

570LXT and 580L Series 2 Parts Catalog

Bur 7-3341

NOTE: This catalog replaces Bur 7-3340.



BS97N024

This unit first became available January, 1998.

1-2

570LXT and 580L Series 2

LOCATION OF SERIAL AND PRODUCT IDENTIFICATION NUMBERS

Please use the horizontal lines provided to record these important serial numbers, product identification number, and part number.

PRODUCT IDENTIFICATION NUMBER

(Above loader lift arm pivot point)

ROPS CANOPY SERIAL NUMBER

(Right-hand side of canopy)

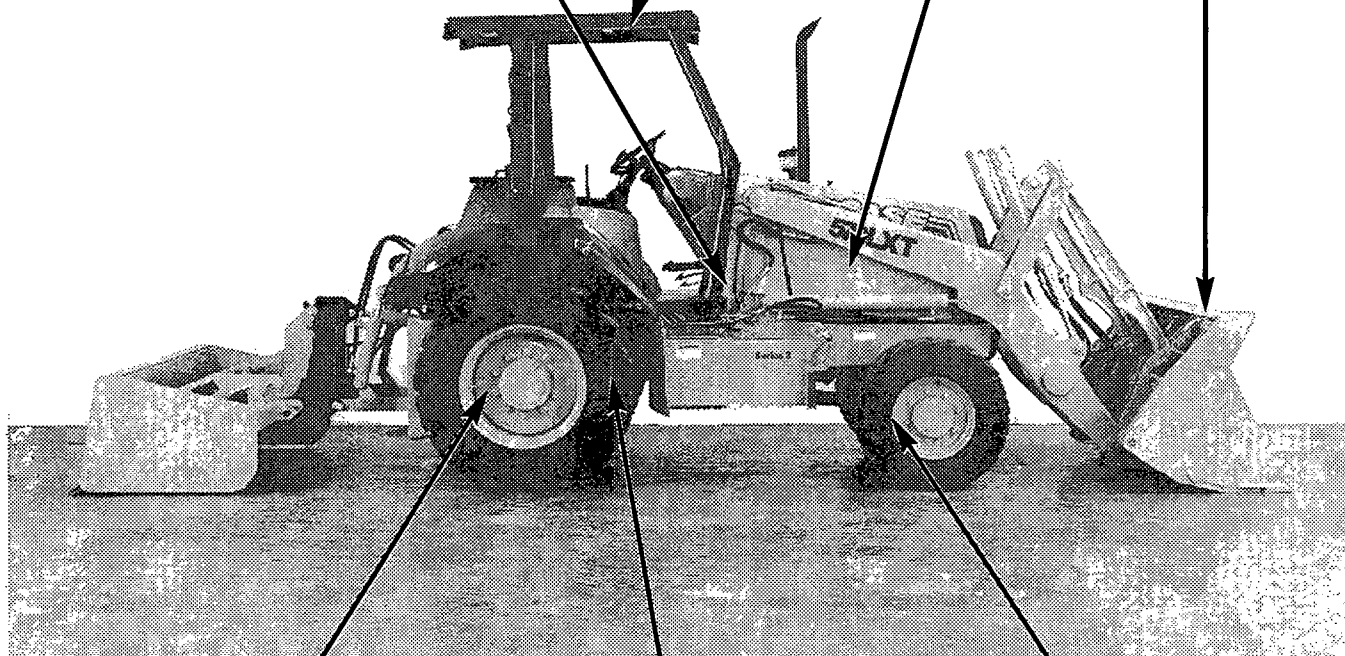
CAB SERIAL NUMBER

(Left-hand side of front console)

ENGINE SERIAL NUMBER

LOADER BUCKET

PART NUMBER



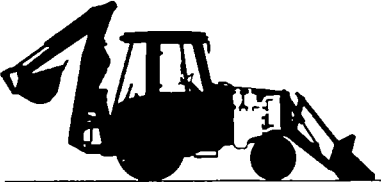
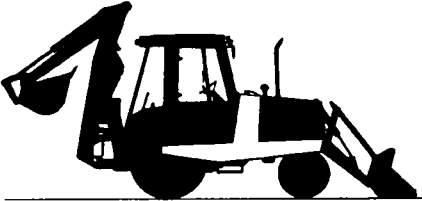
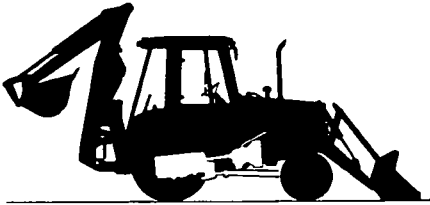
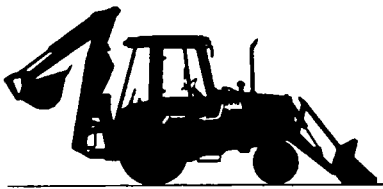
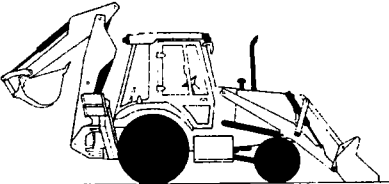
BS97N025

REAR AXLE
SERIAL NUMBER

TRANSMISSION
SERIAL NUMBER

FRONT DRIVE AXLE
SERIAL NUMBER

PICTORIAL SECTION INDEX

	GENERAL	1
	ENGINE	2
	FUEL SYSTEM	3
	ELECTRICAL	4
	TRACKS/ STEERING	5
	POWER TRAIN	6
	BRAKES	7
	HYDRAULIC	8
	CHASSIS	9
	NUMERICAL INDEX	10

GENERAL INFORMATION**Indexes**

Section 1 of this catalog contains a SN and P.I.N. location guide, alphabetical index, pictorial index of the sections included, and pictorial index(es) for quick location of hoses and tubes (and other system components in some catalogs). An alphabetical index also appears at the beginning of each section. Section 10 is the Numerical Index which lists all part numbers in alpha/numeric order with their page location and reference number.

Illustrations

The arrangement of this parts catalog is for easy identification of parts. All parts are illustrated in "exploded views" in proper relation to each other. Reference numbers used in the illustrations refer to those on the text pages. The text pages list reference number, part number, part description and the quantity required.

Abbreviations

P.I.N. "Product Identification Number"

SN "Serial Number"

NSS "Not Serviced Separately" in the part number column indicates this part is not available for service.

REF "Reference" in the part number column indicates this part has special service information. The page where this information can be found is given in the part description column.

UAR "Use As Required" in the quantity required column indicates the number of parts used is determined by service needs.

Right-Hand and Left-Hand Identification

The reference to right-hand and left-hand in this catalog is identified by the operator standing at the rear of the basic unit (without rear attachment), looking toward the front of the machine (in normal forward travel). For pages covering any machine attachments, right-hand and left-hand are defined by the operator sitting in the position for proper operation of the attachment.

Catalog Revisions and Supplements

Changes to the product may make it necessary to revise or add pages to this catalog. A cover sheet will list all pages released in a revision or supplement. Each new or revised page will have a new issue date. All revised and new pages must be put into the parts catalog as soon as they are received.

Parts Orders

Orders must specify product model, all necessary serial numbers, correct part number, complete description, quantity required, method of shipment, and shipping address.

Text Format Explanation

An assembly may contain service items. The component parts of an assembly or subassembly are indented. The quantity required column lists the number of assemblies required for a completed machine, and the number of components required in a complete assembly or subassembly.

The example below illustrates the use of indents and other text page elements explained on this page.

HYDRAULIC FILTER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D4356734	FILTER ASSEMBLY - hydraulic oil, P.I.N. 7534840 and after	1
	D61903	HEAD ASSEMBLY - filter	1
2	NSS	HEAD - filter, order D61903 head assembly	1
3	D58199	VALVE - bypass	1
	D43800	KIT - filter element, replaces D35700 element kit	1
4	NSS	ELEMENT - filter, order D43800 element kit	1
5	A27994	O-RING - filter	1
6	D61948	HOUSING -filter	1
7	REF	CANOPY - ROPS, order from Machinery Price List	1
8	843065C1	HOSE - 3353 mm (132 inch) long, reservoir to pump	1
9	113-323	BOLT - hex, 7/16 NC x 1-3/4 inch	2
10	814-8030	BOLT - hex, 8 - 1.25 x 30 mm	4

ALPHABETICAL INDEX

A

Accumulator, Ride Control.....	8-135
Air Cleaner.....	2-13
Air Cleaner Mounting.....	2-9, 2-11
Air Conditioner	
Blower.....	9-161
Compressor and Mounting.....	9-169
Condenser.....	9-167
Controls.....	9-149
Drain Lines.....	9-161
Evaporator Core.....	9-165
Filter - air.....	9-159
Receiver-Drier.....	9-167
Ventilation Ducts.....	9-161
Alarm - backup.....	4-45
Alarm - warning, engine, oil and water.....	4-19
Alarm - warning, parking brake.....	4-19
Alternator and Mounting.....	4-7,4-9
Antenna - radio and fleet management.....	4-49,4-53
Antirollback - loader.....	9-11
Auxiliary Hydraulics	
Backhoe.....	4-51,8-47 - 8-51,9-43
Hand Held.....	4-21,8-37 - 8-45
Axle - Front - four wheel drive	
Differential.....	6-15
Drive Shaft.....	6-19
Housing.....	6-5
Mounting.....	6-3
Planetary.....	6-13
Ring and Pinion.....	6-17
Shafts.....	6-11
Steering Cylinder.....	6-9
Swivel Housing.....	6-7
Axle - Front - two wheel drive.....	5-15
Axle - Rear Drive	
Differential.....	6-65
Differential Brake.....	7-3
Differential Lock.....	6-61,6-69
Drive Shaft.....	6-73
Housing.....	6-63
Mounting.....	6-59
Parking Brake.....	7-5
Planetary.....	6-71
Ring and Pinion Gear Set.....	6-67

B

Backhoe	
Boom.....	9-49,9-51
Boom Latch.....	9-53
Boom Lock.....	8-53,8-55
Buckets.....	9-63 - 9-75
Controls (See Controls)	
Control Tower and Covers.....	9-25,9-27

B

Backhoe-Cont.	
Coupler - bucket.....	9-55 - 9-59
Dipper.....	9-55,9-57
Extendable Dipper.....	9-59,9-61
Frost Point Assembly.....	9-77
Hydraulics (See Hydraulic Systems)	
Stabilizers.....	9-45
Swing Tower.....	9-47
Valves (See Valves)	
Backhoe Auxiliary Hydraulics.....	8-47 - 8-51
Baffle Plates - front covers.....	9-101,9-103
Battery.....	4-13,4-1,4-53
Battery Box.....	9-93,9-95
Beacon - rotating.....	4-47
Bearings - front wheel.....	5-17
Belts - fan, alternator, and	
compressor.....	2-3,2-5,4-9,9-169
Block - cylinder.....	2-45 - 2-51
Boom - backhoe.....	9-49,9-51
Boom Latch.....	9-53
Boom Lock.....	8-53,8-55
Boots	
Accelerator Pedal.....	3-9
Backhoe Levers.....	9-25
Boom Latch Lever.....	9-53
Brake Master Cylinder.....	7-11
Lamp Socket, instrument	
cluster.....	4-27
Loader Lever.....	9-3,9-5,9-7
Transmission Gear Shift Lever.....	6-25
Transmission Shifter Mechanism.....	6-37
Transmission Shuttle Shift Lever - FNR.....	4-17
Box - tool.....	9-95
Brake - differential, rear axle.....	7-3
Brake - parking, lever.....	7-13
Brake - parking, rear axle.....	7-5
Brake Alarm - parking.....	4-19
Brake Master Cylinder	
Assembly.....	7-11
Hydraulic Circuit.....	7-9
Mounting.....	7-7
Brake Pedals.....	7-7
Buckets - backhoe.....	9-63 - 9-75
Buckets - loader.....	9-15 - 9-19

C

Cab	
Air Conditioner.....	9-159 - 9-169
Air Filter.....	9-159
Blower Housing.....	9-161
Covers - interior.....	9-137
Doors and Windows.....	9-135 - 9-147

ALPHABETICAL INDEX

C

Cab-Cont.	
Drain Lines - air conditioning	9-161
Electrical and Lighting	4-33,9-149
Frame	9-137
Glass	9-135
Headliner, Louvers, and Dome Lamp	9-157
Heater	9-161,9-163
Insulation	9-137
Panel - cab control	9-149
Ventilation Ducts	9-161
Windshield Washers	9-151
Windshield Wipers	9-153,9-155
Canopy - ROPS	9-171,9-173
Chaff Screen	9-107
Chassis - tractor	9-91
Cluster - instrument	4-27
Clutch Cutout	4-11,4-21
Coat Hook	9-137,9-171
Cold Start	2-19,4-15
Column - steering	5-9
Controls	
Antirollback - loader	9-11
Backhoe	
Excavator Control Pattern	9-39
Foot Swing	9-29 - 9-33
Hand Swing	9-35,9-37,9-41
Backhoe Auxiliary	9-43
Boom Latch	9-53
Boom Lock	8-53,8-55
Brake	7-7,7-13
Clutch Cutout	4-11,4-21
Differential Lock - rear axle	6-61,6-69
Extendable Dipper	9-33,9-41
Hand Held Auxiliary	8-45
Loader	
Bucket	9-3
Clam	9-5,9-7
Lift	9-3
Self-Leveling	9-9
Parking Brake	7-13
Return-to-Dig - loader	9-11
Ride Control	8-57,8-59
Self-Leveling - loader	9-9
Steering	5-3
Three-Point Hitch	9-79
Throttle	3-7,3-9
Transmission Gear Shift	6-25
Transmission Shifter Mechanism	6-37,6-39
Transmission Shuttle Shift (F/N/R)	4-17
Control Tower and Covers- backhoe	9-25,9-27
Cooler - fuel	3-5
Cooler - hydraulic oil	6-21,6-23,8-9

C

Cooling Systems	
Engine	2-3,2-5
Engine Oil	2-33
Hydraulic Oil	8-9
Transmission	6-21,6-23
Counterweight - front and rear	9-87,9-89
Coupler - backhoe bucket	9-55 - 9-59
Coupler - quick, loader hydraulic tool	9-23,9-23B
Couplings - auxiliary, hand held	8-41,8-43
Couplings - hydraulic line disconnect	8-3
Couplings - hydraulic pump to engine	8-3
Covers	
Anti-Vandalism	
Instrument Panel - front	4-23
Instrument Panel - side	4-25
Auxiliary Hydraulic Control	9-25
Backhoe Control Tower	9-25
Baffle Plates - front	9-101,9-103
Battery Box	9-93,9-95
Cab Interior	9-137
Chassis Upright	9-107
Cylinder Head	2-37
Fender - plastic/velcro	9-113
Front Gear	2-25
Instrument Panel	4-23,4-25
Loader Control	4-25
Loader Tubes Above Tanks	3-3,9-93
Pump Guard - front	9-99
Rear Closure Panel - canopy	9-111 - 9-115
ROPS Canopy Post	9-171,9-173
Steering Column	4-23
Cylinder - brake master	7-11
Cylinder Block	2-45 - 2-51
Cylinder Head	2-37
Cylinders - hydraulic	
Boom - backhoe	8-149
Bucket - backhoe	8-153
Bucket - loader	8-141
Clam - loader	8-143
Dipper - backhoe	8-151
Dipper Extension - backhoe	8-155
Lift - loader	8-139
Lift - three-point hitch	8-157,8-157B
Pitch - three-point hitch	8-161
Stabilizer - backhoe	8-145
Steering - 2WD	5-13
Steering - 4WD	6-9
Swing - backhoe	8-147
Tilt - three-point hitch	8-159

D

Decals	9-179 - 9-183

ALPHABETICAL INDEX

D

Differential and Differential Lock - rear axle	6-61,6-65,6-69
Differential - front axle	6-15
Dipper	9-55,9-57
Dipper - extendable	9-59,9-61
Dipsticks	
Oil Level - engine	2-47,2-51
Transmission	6-25
Dome Lamp	9-157
Drawbar - three-point hitch	9-85
Drive Shaft	6-19,6-73
Drive Shaft Guards	6-3

E

Electrical Circuits and Components	
Alarm - warning, engine	4-19
Alternator	4-7
Backhoe Auxiliary Hydraulics	4-51
Backup Alarm	4-45
Battery	4-13,4-15
Blower - cab	9-161
Boom Lock	8-53,8-55
Cold Start System	2-19,4-15
Compressor - air conditioner	9-169
Control Panel - cab	9-149
Coupler - quick, loader hydraulic tool	8-61
Fleet Management System	4-53
Hand Held Auxiliary Hydraulics	4-21
Harness - engine	4-11
Harness - front console	4-17
Harness - lamp, cab	4-33
Harness - lamp, canopy	4-29,4-31
Harness - side console	4-19,4-21
Horn	4-45
Instrument Cluster	4-27
Lamp - cab	4-37,4-43
Lamp - ROPS canopy	4-35 - 4-41
Outlet - power plug	4-21
Radio Ready Package	4-49
Return-to-Dig	9-11
Ride Control	8-57,8-59
Rotating Beacon	4-47
Starter	4-3,4-5
Washer - Windshield	9-151
Wipers	9-153,9-155
Engine and Fuel Injection Components	
Camshaft	2-43
Crankshaft	2-53
Cylinder Block/Block Heater	2-45 - 2-51
Cylinder Head and Cover/Thermostat	2-37
Flywheel and Housing	2-55
Fuel Filter	3-13

E

Engine and Fuel Injection Components-Cont.	
Fuel Injection Nozzle	3-19,3-21
Fuel Injection Pump and Drive	3-15,3-17
Fuel Injection System	3-11
Gasket Kits	2-61,2-63
Gear Cover	2-25
Heater - engine oil	2-35
Manifolds	2-27
Oil Filter and Cooler	2-33
Oil Pump and Pan	2-35
Pistons/Connecting Rods	2-57,2-59
Turbocharger Assembly	2-31
Turbocharger System	2-29
Valve Mechanism	2-39,2-41
Water Pump Systems	2-23
Engine Mounting	2-21
Equipment Pump	
Assembly	8-69
Mounting	8-3
Exhaust/Intake Manifolds	2-27
Exhaust System and Muffler	2-15,2-17

F

Fans	
Alternator	4-7
Engine Cooling	2-3,2-5
Fenders - cab and canopy	9-111 - 9-115
Filters	
Air - engine	2-11,2-13
Cab Air	9-159
Engine Oil	2-33
Fuel	3-13
Fuel - In-line	3-3
Hydraulic Oil	8-137
Precleaner	2-11,2-13
Transmission Oil	6-29
Fleet Management System	4-53
Floor Plates and Mats	9-109
Frame	
Backhoe (See Backhoe)	
Cab	9-137
Canopy	9-171,9-173
Coupler - quick, loader tool	9-23
Doors - cab	9-135 - 9-147
Hitch - three-point	9-81,9-83
Loader	9-11
Tractor (chassis)	9-91
Frost Point Assembly	9-77
Fuel Cooler	3-5
Fuel Filter	3-13
Fuel Injection Nozzle	3-19
Fuel Injection Pump	3-15

ALPHABETICAL INDEX

F

Fuel Injection System	3-11
Fuel Level Sensor	3-3
Fuel Reservoir Lines	3-3
Fuses	
Auxiliary Hydraulics - backhoe	4-51
Auxiliary Hydraulics - hand held	4-21,8-39
Boom Lock	8-53
Coupler - quick, loader hydraulic tool	8-63
Instruments and Equipment	4-19
Ride Control	8-59
Seat - deluxe air suspension	9-127D

G

Gaskets - engine	2-61,2-63
Gauges	
Cylinder Head Bolt Length - engine	
gaskets	2-61
Instrument Panel Cluster	4-27
Oil Level - sight	9-95
Grille - chaff screen	9-107
Grille Unit	9-107
Guards	
Baffle Plates	9-101,9-103
Drive Shaft	6-3
Loader Crossover Tube on Lift Frame	8-15
Loader Self-Leveling Cable	9-9
Loader Tubes Above Tanks	3-3,9-93
Mud	9-117
Pump	9-99
Valve - loader control	9-21

H

Hand Held Auxiliary Hydraulics .	4-21,8-37 - 8-45
Harness - electrical	
Adapter - cab and engine	4-19
Backhoe Auxiliary Hydraulics	4-51
Backup Alarm	4-45
Blower Jumper	9-161
Boom Lock	8-53,8-55
Cab	4-33
Canopy	4-29,4-31
Chassis Options	4-19,4-51,8-59,8-63
Coupler - quick, loader hydraulic tool	8-63
Engine	4-11
Front Console	4-17
Hand Held Auxiliary Hydraulics	4-21
Horn	4-45
Optional Equipment - chassis and side	
console	4-19
Radio	4-49
Ride Control	8-59
Seat - operators	9-121,9-123

H

Harness-Cont.	
Side Console	4-19,4-21
Side Console Options	4-19,4-51,8-59,8-63
Transmission Lever - clutch cutout	4-11
Headliner - cab	9-157
Heater - cab	9-161,9-163
Heater - engine block	2-47,2-51
Heater - engine oil	2-35
Hitch - three-point	
Controls	9-79
Counterweight	9-89
Cylinders	8-157 - 8-161
Drawbar	9-85
Frame	9-81,9-83
Hydraulic Circuit	8-67
Lock Valve Service Kit	8-67B
Valve	8-121 - 8-133
Hood and Latch Release	9-107
Hook - coat	9-137,9-171
Horn - electric	4-45
Hub - front wheel	5-17
Hydraulic Systems	
Auxiliary	
Backhoe	8-47 - 8-51
Hand Held	8-37 - 8-45
Backhoe Boom	8-25
Backhoe Boom Lock	8-53,8-55
Backhoe Bucket	8-29,8-31
Backhoe Dipper	8-27
Backhoe Dipper Extension	8-33
Backhoe Stabilizer	8-21
Backhoe Swing	8-23
Brake Master Cylinder	7-9
Coupler - quick, loader hydraulic tool	8-61
Differential Lock - rear axle	6-61
Equipment Primary	
Oil Cooler Lines and Filter	8-9
Pump and Loader Valve to	
Backhoe Valve	8-7
Reservoir to Loader Valve	
and Loader Valve to Filter	8-3,8-5
Return Lines	8-9
Loader Bucket	8-13,8-15
Loader Clam	8-17,8-19
Loader Lift	8-11
Loader Valve to Backhoe Valve -	
without auxiliary hydraulics	
and with standard or	
extendable dipper	8-35
Ride Control	8-57,8-59
Steering	5-5,5-7
Three-Point Hitch	8-67,8-67B

ALPHABETICAL INDEX

I

Injection Nozzle - fuel	3-19,3-21
Injection Pump - fuel	3-15,3-17
Injection System - fuel	3-11
Injector Nozzle - ether	2-19
Instrument Cluster	4-27
Instrument Panels and Covers	4-23,4-25
Intake/Exhaust Manifolds	2-27

K

Kits	
Axle, Kingpin - two-wheel drive front.....	5-15
Backhoe Control - excavator control pattern	9-39
Boom Lock	8-53,8-55
Boom Lock Solenoid Valve	8-119
Brake Discs	7-3
Brake Master Cylinder	7-11
Brake Self-Adjuster - Rear Drive Axle.....	7-3
Cylinders (See Cylinder - Hydraulic)	
Equipment Pump	8-69
Filter, Oil - hydraulic	8-137
Harness - non-air conditioned to	
air conditioned	4-19
Mirror - rear view	9-175
Radio Ready Package	4-25,4-49,9-157
Seat (See Seat - Operators)	
Steering Control Valve - low torque	5-11
Steering Cylinder - front drive axle.....	6-9
Steering Cylinder - two wheel drive axle...	5-13
Three-Point Hitch Lock Valve	8-67B
Transmission	
Oil Pump Piston Valve.....	6-35
Synchronizer	6-37,6-39,6-43 - 6-47
Universal Joint - drive shaft.....	6-19,6-73
Valve (See Valves)	
Wheel Bearing, front axle.....	5-17

L

Lamp - dome, cab.....	9-157
Lamps - tractor	4-35 - 4-43
Latch Release - hood	9-107
Levers - control (See Controls)	
Loader	
Antirollback	9-11
Bucket and Cylinder Links	9-13
Buckets	9-15 - 9-19
Controls (see Controls)	
Hydraulics (See Hydraulic Systems)	
Lift Frame	9-11
Return-to-Dig	9-11
Self-Leveling	9-9
Support Strut	9-11

L

Loader-Cont.	
Tool Quick Coupler.....	9-23,9-23B
Valve Guard	9-21
Valves (See Valves)	
Louvers - cab	9-157

M

Manifold - intake/exhaust	2-27
Master Cylinder and Mounting	7-7,7-11
Mats and Floor Plates	9-109
Mirror - rear view	9-135,9-171,9-173,9-175
Mobile Data Collection Device	4-53
Motor - wiper	9-153,9-155
Mud Guard	9-117
Muffler - engine exhaust	2-15,2-17

N

Nozzle - ether injection, cold start.....	2-19
Nozzle - fuel injection	3-19,3-21
Nozzle - windshield washers.....	9-151

O

Oil Cooler - engine	2-33
Oil Cooler - hydraulic	6-21,6-23,8-9
Oil Filter - engine.....	2-33
Oil Filter - hydraulic	8-137
Oil Filter - transmission	6-29
Oil Pump - transmission.....	6-35
Oil Pump and Pan - engine	2-35
Outlet - power plug.....	4-21

P

Pads - stabilizers.....	9-45
Pan - oil.....	2-35
Panel - cab control	9-149
Panel - closure, rear.....	9-111,9-115
Panel - engine side	9-105
Panel - instrument, front and side	4-23,4-25
Parking Brake	7-5,7-13
Pedals	
Accelerator	3-9
Brake	7-7
Extendahoe Control.....	9-41
Swing.....	9-31
Plate - pump guard	9-99
Plates - baffle, front covers	9-101,9-103
Plates - floor and mats	9-109
Plug - power outlet	4-21
Precleaner.....	2-13
Pulley	
Alternator	4-7
Compressor Drive	9-169

ALPHABETICAL INDEX

P

Pulley-Cont.	
Crankshaft.....	2-53
Fan and Water Pump.....	2-23
Pump	
Engine Oil	2-35
Fuel Injection.....	3-11,3-15
Fuel Transfer.....	3-13
Hydraulic Equipment.....	8-69
Transmission Oil	6-35
Water	2-23
Windshield Washer.....	9-151
Pump Guard	9-99

R

Radiator - engine	2-3 - 2-7
Radiator Shroud	9-97
Radio Ready Package.....	4-25,4-49,9-157
Reflector - red.....	9-179
Relays.....	4-19
Reservoir	
Brake Master Cylinder	7-9
Coolant Recovery Bottle	2-3,2-5
Fuel.....	3-3,3-5
Hydraulic Oil.....	9-93
Radiator	2-7
Windshield Washer.....	9-151
Reservoir Lines - fuel.....	3-3,3-5
Return-to-Dig.....	9-11
Ride Control.....	8-57,8-59
Roll Over Protective	
Structure	9-137,9-171,9-173
Rotating Beacon.....	4-47

S

Screen - chaff	9-107
Seat - operators, 570LXT	9-129 - 9-133F
Seat - operators, 580L.....	9-119 - 9-127F
Self-Leveling Control	9-9
Sender	
Air Filter Restriction.....	2-7
Transmission Temperature	4-11
Water Coolant Temperature - engine	4-11
Sensor - fuel level.....	3-3
Shift Lever - FNR - transmission	4-17
Shifter Mechanism - transmission	6-37,6-39
Shroud - radiator wrapper.....	9-97
Side Panels - engine	9-105
Slow Moving Vehicle Emblem	9-177
Solenoids	
Boom Lock	8-119
Coupler - quick, loader hydraulic tool.....	8-61
Four Wheel Drive - transmission.....	6-55

S

Solenoids-Cont.	
Fuel Injection Pump.....	3-15
Ride Control	8-57
Speakers.....	4-49
Spindles - front axle	5-15
Stabilizers	9-45
Starter - engine and mounting	4-3,4-5,4-9
Steering	
Column	5-9
Control Valve.....	5-11
Cylinder.....	5-13
Hydraulic Circuit	5-5,5-7
Wheel	5-3
Steps.....	3-3,9-93,9-95
Sunvisor	9-137,9-171
Swing Tower - backhoe	9-47
Switches	
Air Cleaner Restriction	2-11,2-13,4-11
Air Conditioning Control	9-149,9-165
Backhoe Auxiliary Hydraulics	4-51
Blower	9-149
Boom Lock	8-53
Brake Lamps	4-17,7-5,7-7
Clutch Cutout - gear shift lever handle	4-11
Cold Start	2-19
Coupler - quick, loader hydraulic tool	8-63
Declutch and Differential Lock.....	4-21
Dome Lamp.....	4-17
Four-Wheel Drive	4-21
Hand Held Auxiliary Hydraulics	4-21,8-39
High Pressure Cutout - air conditioner	9-167
Horn.....	4-17
Key and Starter	4-21
Lamps - driving, work and flood	4-21
Lamps - hazard, flasher.....	4-17,4-19
Low Pressure - air conditioner.....	9-165
Oil Pressure.....	4-11
Parking Brake.....	7-5
Return-To-Dig.....	4-11,9-11
Ride Control	8-59
Rotating Beacon.....	4-25,4-47
Seat - operators, limit	9-119,9-121
Temperature - engine coolant	4-11
Temperature - oil, rear axle	6-63
Transmission Control Solenoid	4-11,6-37,6-39
Transmission Shuttle Shift (FNR).....	4-17
Turn Signal	4-17
Windshield Washers.....	9-151
Windshield Wiper	9-149,9-155

T

Tachometer - electric	4-27

ALPHABETICAL INDEX

T

Tank - fuel.....	3-3,3-5
Tank - hydraulic oil	9-93
Tank - windshield washer	9-151
Teeth - buckets.....	9-63 - 9-75
Thermostat - engine	2-37
Throttle - engine	3-7,3-9
Tires and Wheels.....	5-19,6-57
Tool Box	9-95
Tool Coupler - quick disconnect	9-23,9-23B
Tool Tray	9-137
Tower - backhoe control	9-27
Tower - swing	9-47
Transmission	
Cooling System.....	6-21,6-23
Dipstick	6-25
Filter - oil	6-29
Housing.....	6-31,6-33
Idle and Primary Shaft	6-41
Input Shaft.....	6-43
Mounting	6-25,6-27
Output Shaft.....	6-49
Pump - oil.....	6-35
Secondary Shaft	6-45,6-47
Shift Lever.....	6-25
Shifter Mechanism	6-37,6-39
Valve - control	6-51,6-53
Valve - solenoid	6-55
Turbocharger and System	2-29,2-31
Turn Signal Switch.....	4-17

V

Valve Mechanism - engine	2-39,2-41
Valves	
Auxiliary - backhoe.....	8-117B
Auxiliary - hand held	8-115,8-117
Backhoe Control	
Assembly - with auxiliary hydraulics.....	8-89,8-93
Assembly - with extendable dipper.....	8-91
Assembly - without extendable dipper.....	8-87
Mounting.....	8-21
Sections	
Auxiliary Option.....	8-113
Boom	8-103,8-105
Bucket.....	8-97
Dipper	8-99
Dipper Extension	8-111
Inlet/Outlet	8-95
Stabilizer	8-101
Swing	8-107,8-109

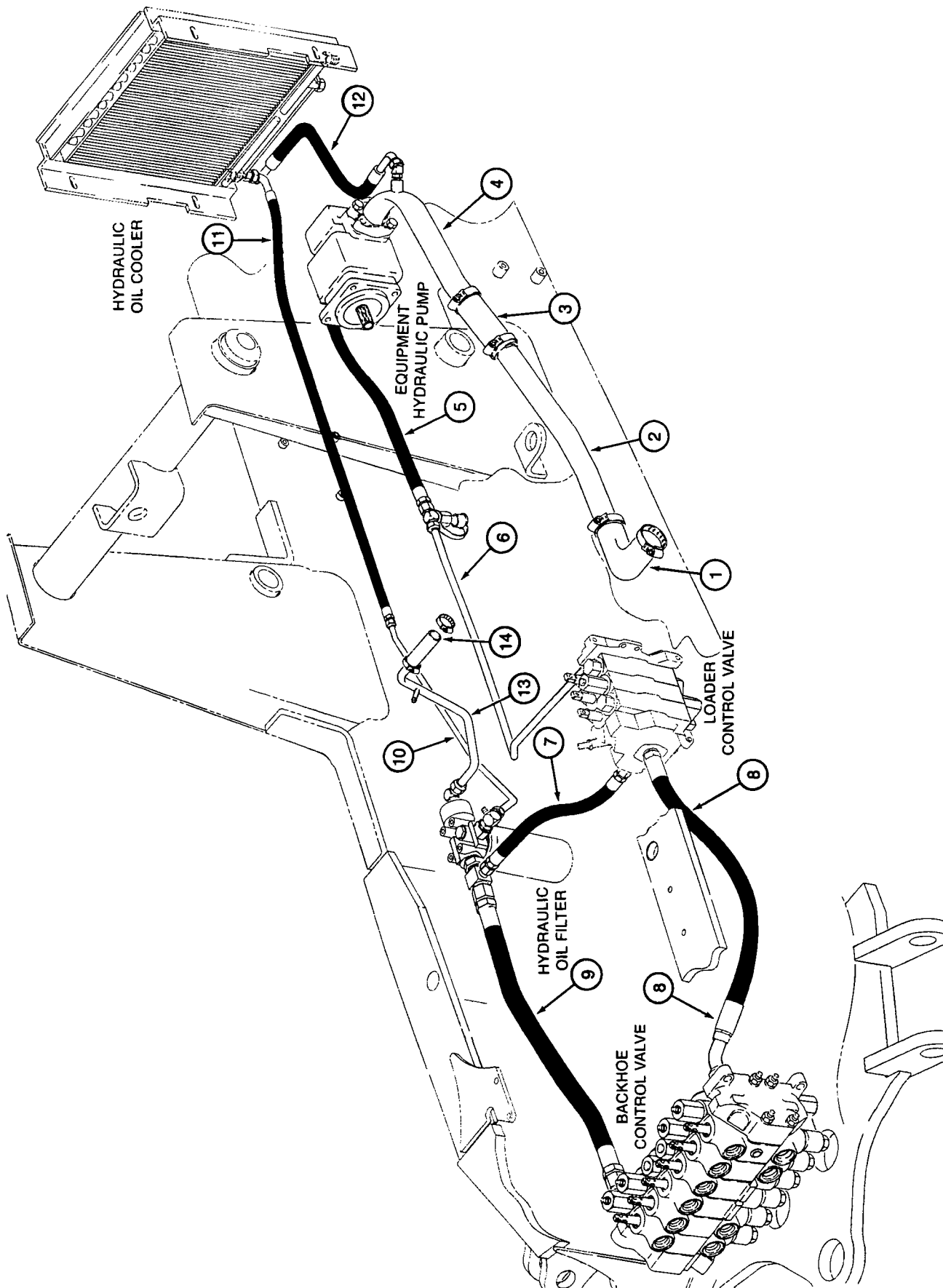
V

Valves-Cont.	
Hitch - three point	
Assembly	8-121
Circuit Relief	8-133
Main Relief.....	8-125
Mounting.....	9-79
Sections	
Auxiliary.....	8-131
Inlet/Outlet.....	8-123
Lift	8-127
Pitch/Tilt/Implement.....	8-129
Hitch - three-point lock valve	8-67B
Loader Control	
Assembly - three spool	8-73
Assembly - two spool.....	8-71
Circuit Relief - bucket section	8-85
Guard - loader valve	9-21
Mounting.....	9-3
Sections	
Bucket	8-77
Clam.....	8-83
Inlet	8-75
Lift	8-79
Outlet.....	8-81
Solenoid Valve	
Auxiliary Hydraulics, Hand Held	8-37
Boom Lock.....	8-119
Coupler - quick, loader hydraulic tool ...	8-61
Differential Lock - rear axle.....	6-61
Four-Wheel Drive - transmission	6-55
Ride Control.....	8-57
Three-Point Hitch Lock	8-67B
Steering Control	5-11
Transmission Control	6-51
Valve Stem - wheel	5-19,6-57
Vents - louvers, cab	9-157
Visor - sun.....	9-137,9-171

W

Washer - Windshield.....	9-151
Wheel - steering.....	5-3
Wheel Hub and Bearings	5-17
Wheels and Tires	5-19,6-57
Window Frames and	
Glass	9-135 - 9-147
Wiper - cab window.....	9-153,9-155

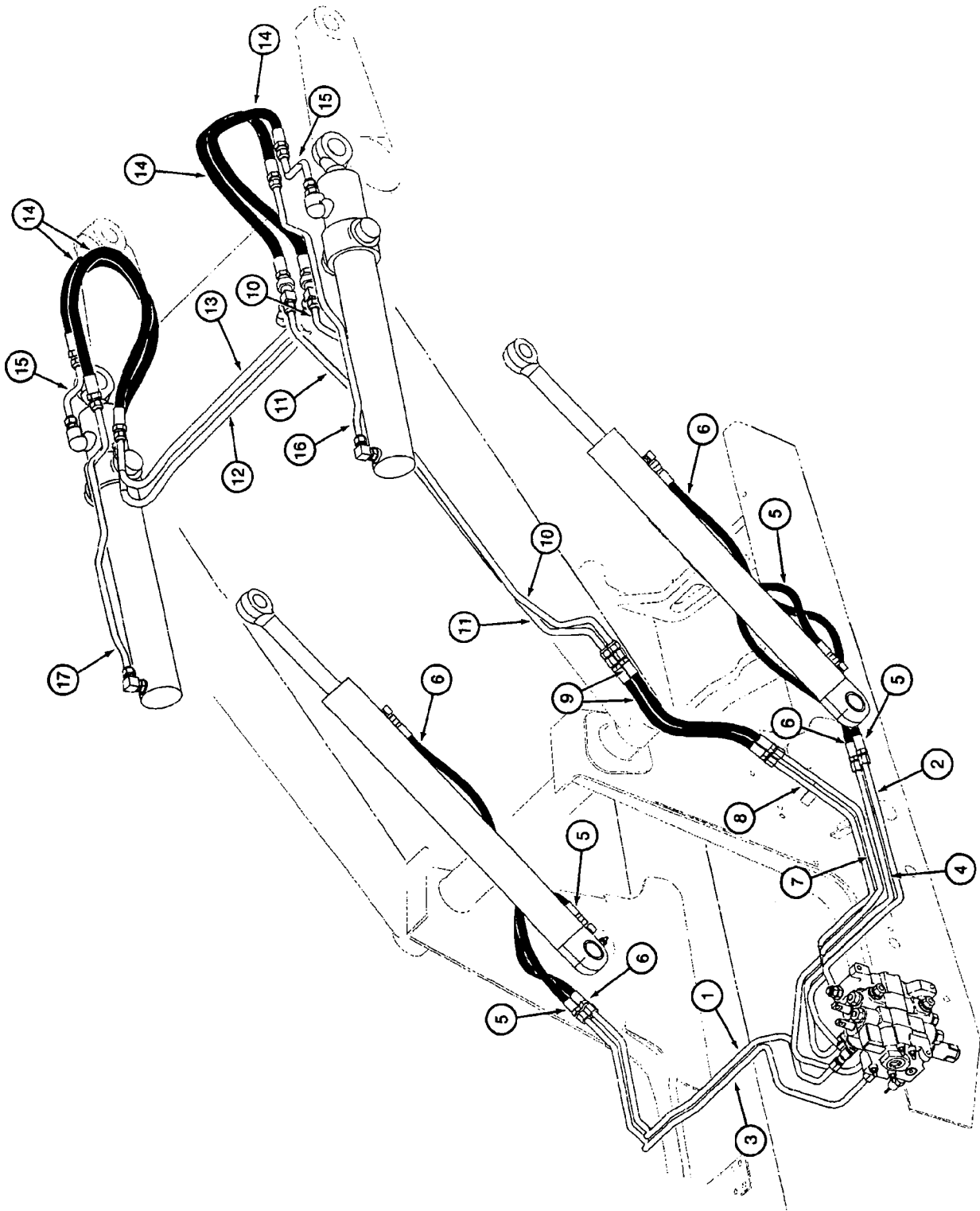
1-12



PICTORIAL INDEX
EQUIPMENT HYDRAULICS
HYDRAULIC PUMP TO OIL FILTER, CONTROL VALVES
AND RETURN TO TANK

REF.	DESCRIPTION	PAGE
1	Suction hose at hydraulic tank	8-3
2	Suction tube at hydraulic tank	8-3
3	Coupler hose	8-3
4	Suction tube at hydraulic equipment pump	8-3
5	Hose at large pump section port	8-3,8-7
6	Tube at tee to loader control valve inlet	8-3,8-7
7	Loader valve to filter hose	8-5
8	Hose at loader valve power beyond port to backhoe control valve inlet	8-7
9	Return hose at backhoe control valve to filter	8-9,8-35
10	Oil filter to oil cooler tube	8-9
11	Hose at oil cooler	8-9
12	Oil cooler return hose	8-9
13	Return to tank tube	8-9
14	Return to tank hose	8-9

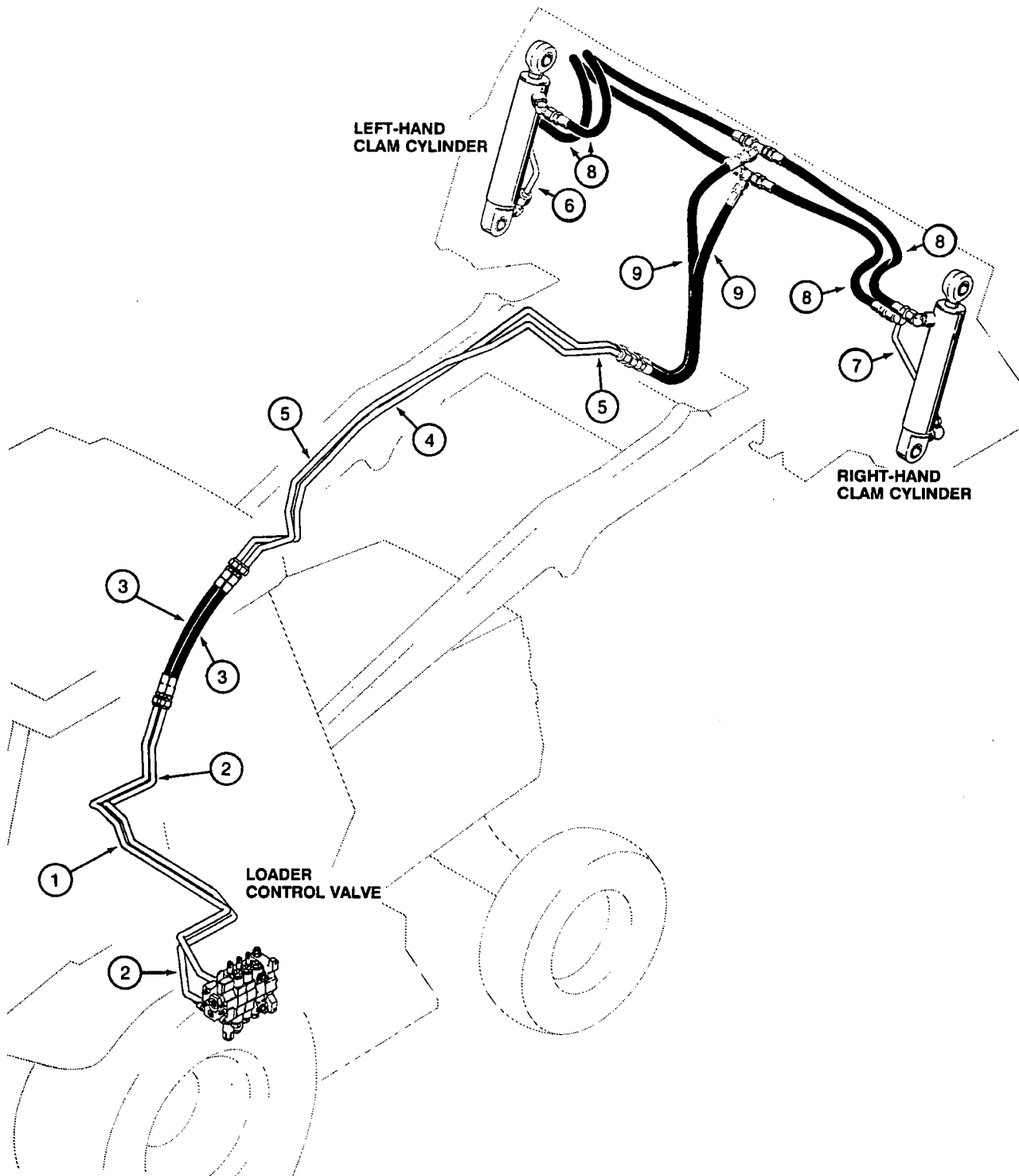
1-14



PICTORIAL INDEX
LOADER HYDRAULICS
LIFT AND BUCKET CYLINDERS

REF.	DESCRIPTION	PAGE
1	Tube from upper lift port of loader control valve to rod end of left-hand lift cylinder	8-11
2	Tube from lower lift port of loader control valve to closed end of right-hand lift cylinder	8-11
3	Tube from lower lift port of loader control valve to closed end of left-hand lift cylinder	8-11
4	Tube from upper lift port of loader control valve to rod end of right-hand lift cylinder	8-11
5	Hoses at lift cylinder closed end	8-11
6	Hose at upper port of control valve to lift cylinder rod end	8-11
7	Tube at bucket section upper port	8-13
8	Tube at bucket section lower port	8-13
9	Hose at loader arm pivot	8-13
10	Lower tube on right-hand lift arm from bucket section upper port to closed end of bucket cylinders	8-13
11	Upper tube on right-hand lift arm from bucket section lower port to bucket cylinder rod end	8-13
12	Rear crossover tube at upper lift frame tube to rod end of bucket cylinder	8-13
13	Front crossover tube at lower lift frame tube to bucket cylinder closed end	8-13
14	Hose at bucket cylinders	8-13
15	Tube at bucket cylinder rod end	8-13
16	Tube to right-hand bucket cylinder closed end	8-13
17	Tube at left-hand bucket cylinder closed end	8-13

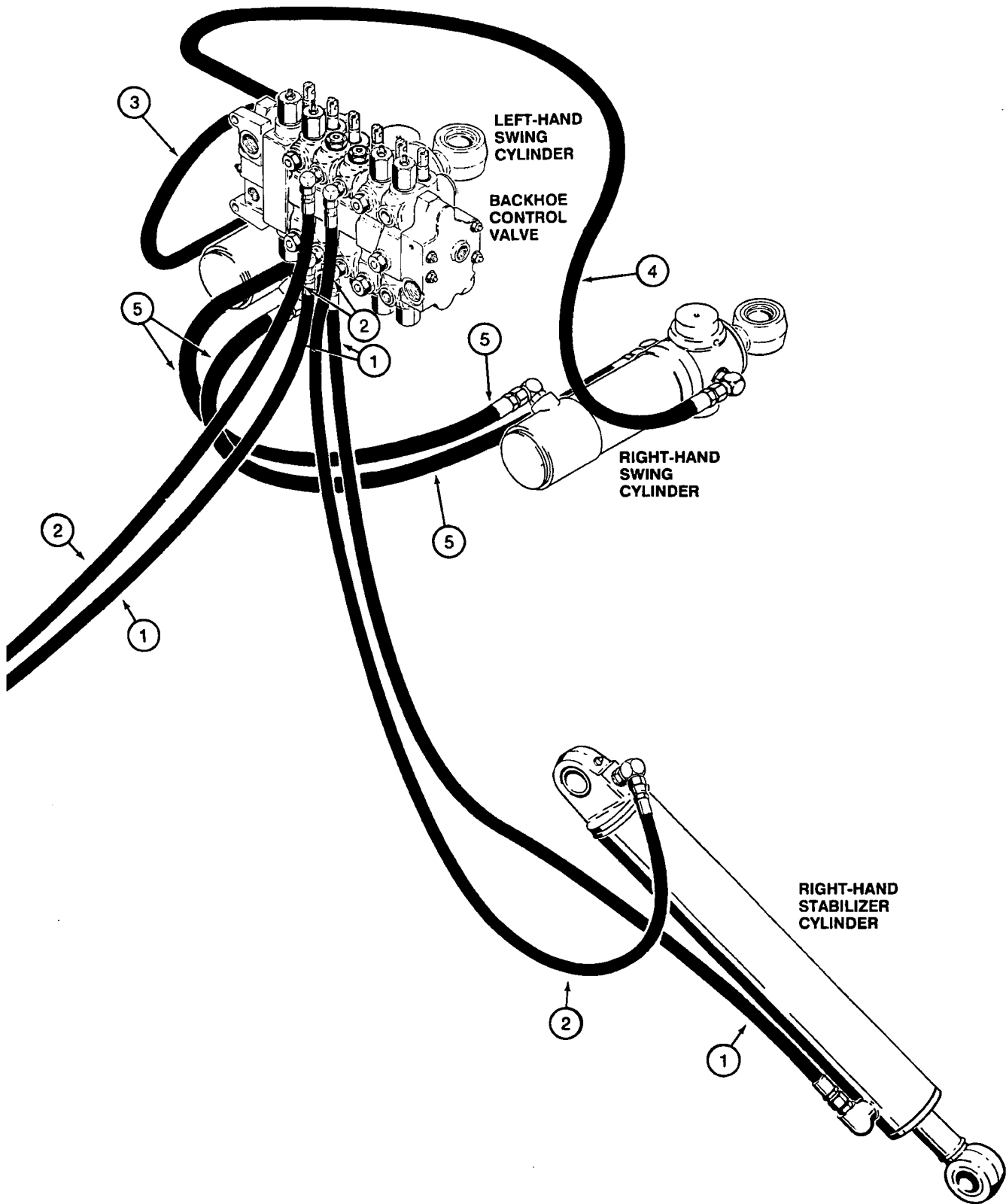
1-16



**PICTORIAL INDEX
LOADER HYDRAULICS
CLAM CYLINDER**

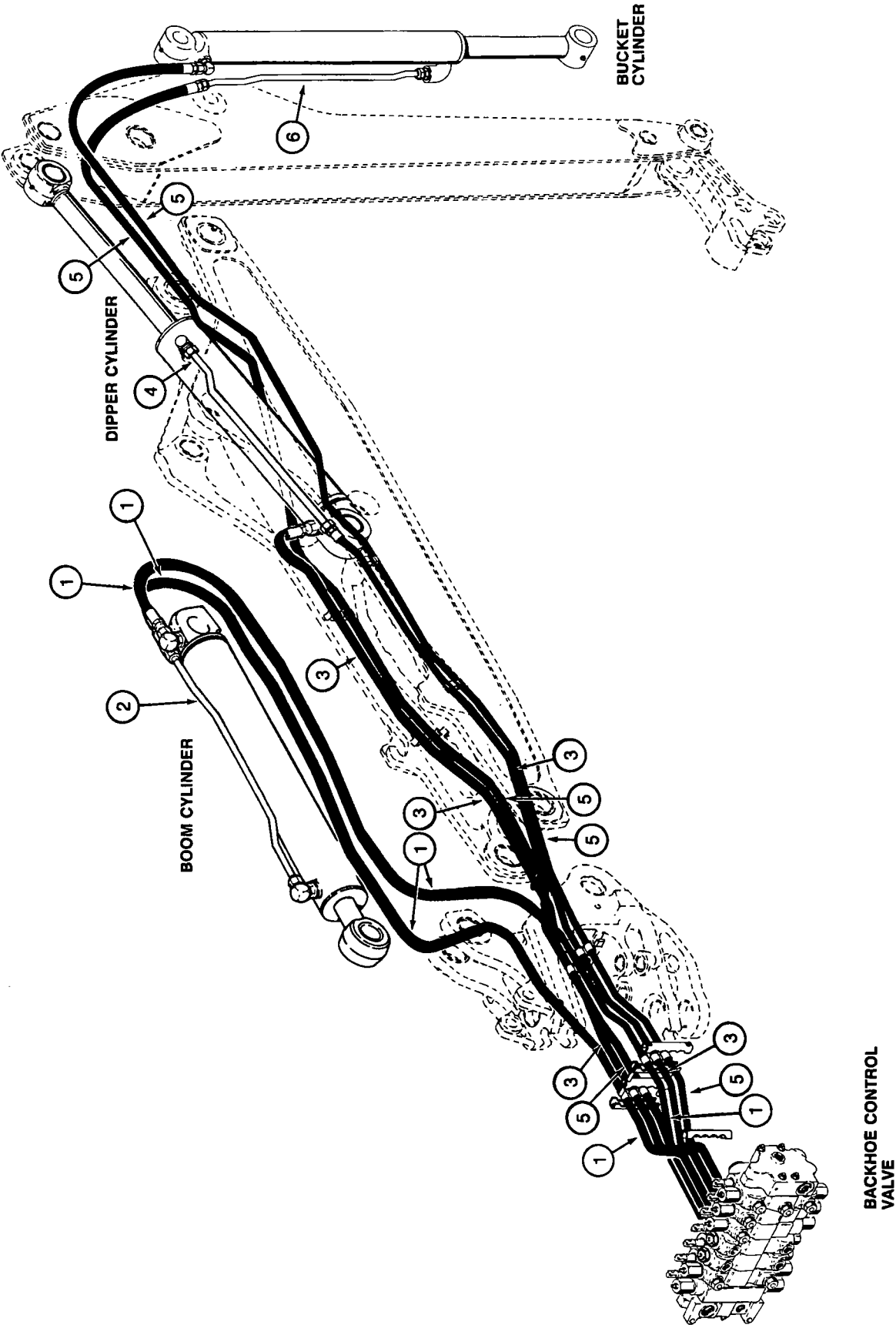
REF.	DESCRIPTION	PAGE
1	Tube at upper port auxiliary section of loader control valve to hose at loader arm pivot	8-17
2	Tube at lower port auxiliary section of loader control valve to hose at loader arm pivot	8-17
3	Hose at loader arm pivot.....	8-17
4	Lower tube on loader lift frame	8-17
5	Upper tube on loader lift frame	8-17
6	Tube at left-hand clam cylinder.....	8-19
7	Tube at right-hand clam cylinder.....	8-19
8	Right-hand and left-hand clam cylinder hoses.....	8-19
9	Lift arm hoses	8-19

1-18



**PICTORIAL INDEX
BACKHOE HYDRAULICS
STABILIZER CYLINDER AND SWING CYLINDER**

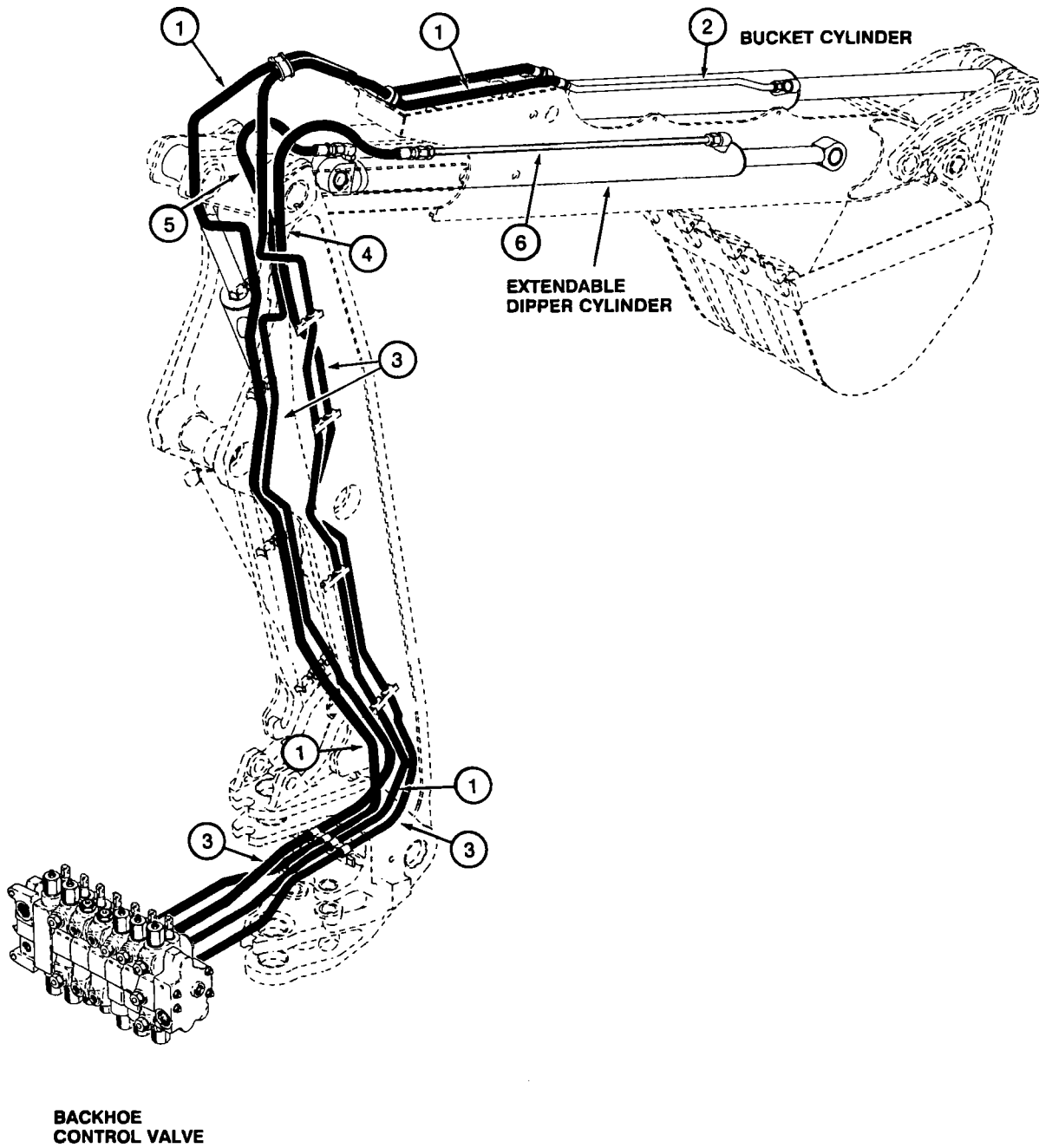
REF.	DESCRIPTION	PAGE
1	Hose at stabilizer cylinder rod ends to backhoe control valve stabilizer section lower ports	8-21
2	Hose at stabilizer cylinder closed ends to backhoe control valve stabilizer section upper ports.....	8-21
3	Hose at backhoe control valve swing section upper port to outer rod end of left-hand swing cylinder	8-23
4	Hose at backhoe control valve swing section lower port to outer rod end of right-hand swing cylinder.....	8-23
5	Crossover hose.....	8-23



PICTORIAL INDEX
BACKHOE HYDRAULICS
***BOOM, DIPPER, AND BUCKET**

REF.	DESCRIPTION	PAGE
1	Hoses at control valve through swing tower to boom cylinder	8-25
2	Boom cylinder rod end tube	8-25
3	Hoses at control valve through swing tower to boom for dipper cylinder	8-27
4	Hose at dipper cylinder rod end	8-27
5	Hoses at control valve through swing tower to boom for bucket cylinder	8-29
6	Bucket cylinder rod end tube	8-29

***NOTES:** See page 1-23 for tubes and hoses used on
models with extendable dipper.



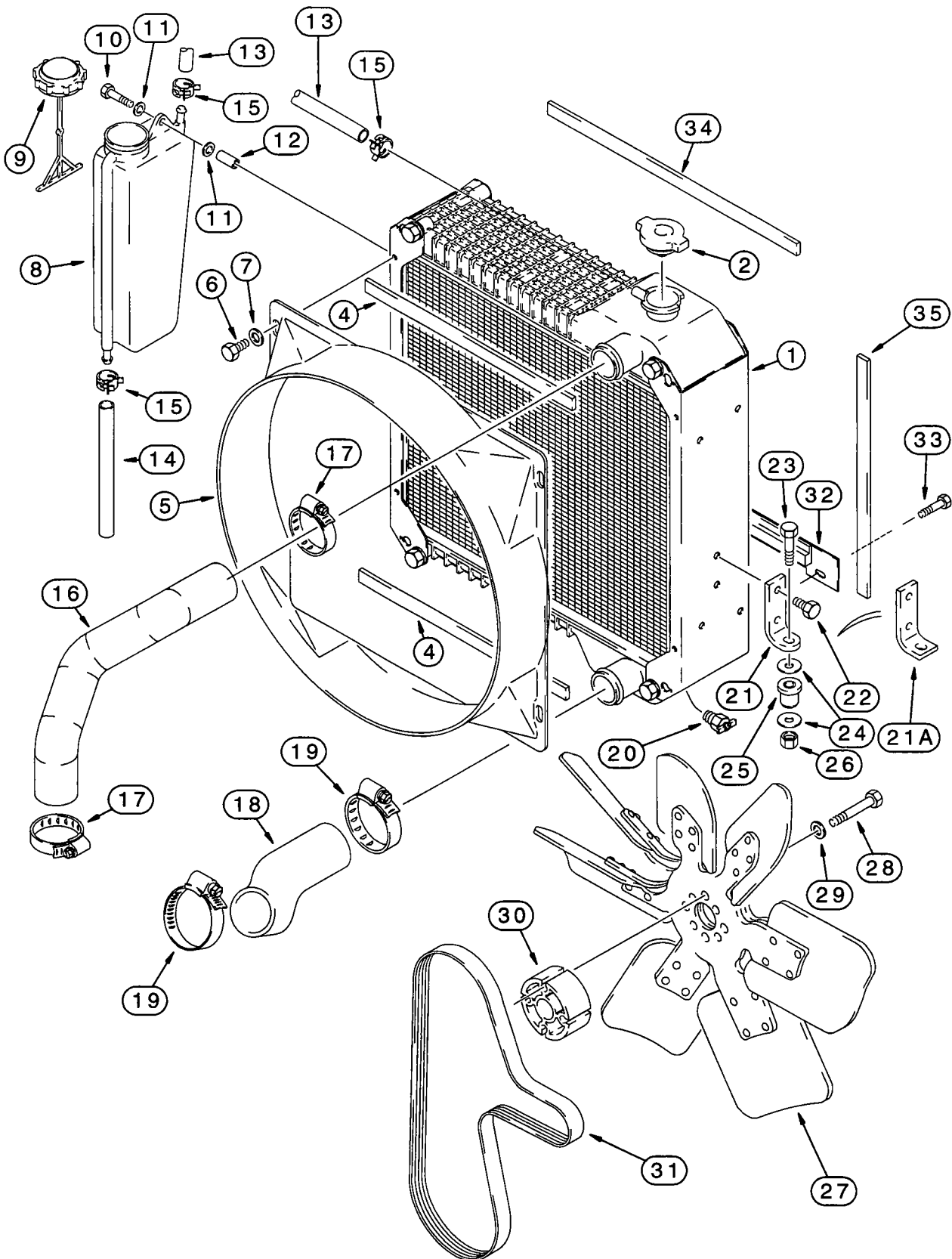
PICTORIAL INDEX
BACKHOE HYDRAULICS
EXTENDABLE DIPPER

REF.	DESCRIPTION	PAGE
1	Hoses at control valve through swing tower to bucket cylinder.....	8-31
2	Bucket cylinder rod end tube	8-31
3	Hoses at control valve through swing tower to boom for extendable dipper circuit	8-33
4	Hose at extendable dipper cylinder rod end tube	8-33
5	Hose at extendable dipper cylinder closed end	8-33
6	Tube at extendable dipper cylinder rod end.....	8-33

**ALPHABETICAL INDEX
ENGINE**

DESCRIPTION	PAGE
Air Cleaner and Air Intake Parts	2-9,2-11
Air Cleaner Assembly	2-13
Camshaft	2-43
Cold Start System.....	2-19
Cooler - Oil	2-33
Cover - Gear, Front.....	2-25
Crankshaft	2-53
Cylinder Block and Block Heater	2-45 - 2-51
Cylinder Head and Valve Mechanism.....	2-39,2-41
Cylinder Head Cover and Thermostat	2-37
Engine Mounting.....	2-21
Fan	2-3,2-5
Filter - Oil	2-33
Flywheel and Housing	2-55
Gasket Kits	2-61,2-63
Heater	
Engine Block	2-47,2-51
Engine Oil	2-35
Manifold - Exhaust/Intake	2-27
Muffler and Exhaust System.....	2-15,2-17
Pan - Oil.....	2-35
Pistons and Connecting Rods	2-57,2-59
Precleaner Assembly.....	2-13
Pump	
Oil.....	2-35
Water.....	2-23
Radiator and Mounting Parts.....	2-3,2-5
Radiator Assembly	2-7
Thermostat	2-37
Turbocharger Assembly.....	2-31
Turbocharger System	2-29

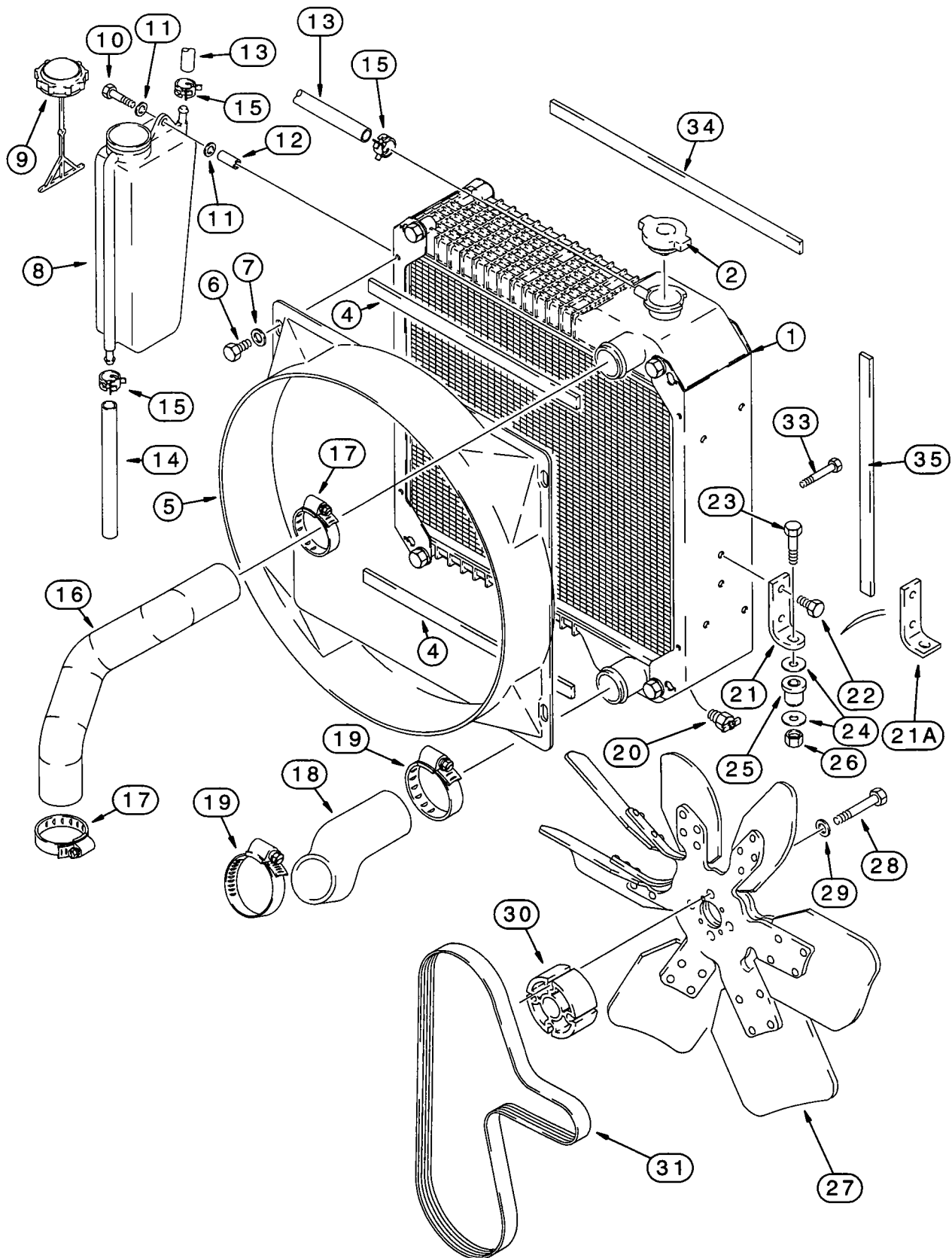
2-2



570LXT and 580L Series 2
2-3

**RADIATOR, FAN AND MOUNTING PARTS
USED WITH 233817A1 OIL COOLER
(SEE PAGE 6-21 FOR COOLER)
MODELS WITHOUT AIR CONDITIONING**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	234876A1	RADIATOR ASSEMBLY - engine coolant, 4 row, parts list page 2-7, replaces 129264A1 cooler, used with 233817A1 oil cooler, see page 6-21 for cooler and baffles, models without air conditioning	1
2	A170241	CAP - radiator, 15 psi	1
4	233272A1	SEAL - adhesive-backed, 6 (1/4) x 20 (25/32) x 404 mm (15-29/32 inch) long, radiator to shroud, upper and lower	2
5	186433A1	SHROUD - fan	1
6	806-8016	BOLT - hex, self-locking, 8 - 1.25 x 16 mm, class 10.9	4
7	895-15008	WASHER - flat, 9 x 20 x 1.6 mm	4
8	131084A1	RESERVOIR - coolant recovery bottle	1
9	1547924C1	CAP - recovery bottle	1
10	806-8050	BOLT - hex, self-locking, 8 - 1.25 x 50 mm, class 10.9, ...	2
11	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	4
12	132215A1	SPACER - bottle	2
13	132218A1	HOSE - 591 mm (23-1/4 inch) long, coolant recovery, cut from L126767 hose	1
14	132217A1	HOSE - 125 mm (4-15/16 inch) long, coolant overflow	1
15	A171099	CLAMP - spring-type, hose, retaining	3
16	232366A1	HOSE - radiator, upper	1
17	214-1432	CLAMP - adj, 1-9/16 - 2-1/2 inch dia	2
18	141513A1	HOSE - radiator, lower.	1
19	214-1440	CLAMP - adj, 2-1/16 - 3 inch dia	2
20	217-92	VALVE - drain, 1/4 inch PT, drain	1
21	121501A1	BRACKET - radiator mounting, lower, see page 9-97 for upper bracket that attaches to the radiator shroud, no longer available, order 121501A2	2
21A	121501A2	BRACKET - radiator mounting.	2
22	614-8016	BOLT - hex, full threads, 8 - 1.25 x 16 mm	4
23	814-10050	BOLT - hex, 10 - 1.5 x 50 mm	2
24	K691987	WASHER - flat, special	4
25	D52276	INSULATOR - rubber, mount, radiator	2
26	832-10410	NUT - hex, self-locking, 10 mm - 1.5	2
27	127181A1	FAN - engine cooling, with orange identification dot, models without turbocharged engine	1
27	228133A1	FAN - engine cooling, with white identification dot, models with turbocharged engine	1
28	814-10070	BOLT - hex, 10 - 1.5 x 70 mm	4
29	496-21041	WASHER - flat, 13/32 x 13/16 x 3/32 inch, hardened	4
30	A184545	SPACER - fan	1
31	J925953	BELT - fan, V-ribbed, alternator and fan, see page 9-169 for belt used on air conditioning compressor	1
32	185384A1	PLATE - anti-recirculation, if used, may be replaced by Ref 34 and 35	1
33	614-8016	BOLT - hex, full threads, 8 - 1.25 x 16 mm	2
34	235040A2	SEAL - foam, adhesive-backed, 20 (25/32) x 542 (21-11/32) x 6 mm (1/4 inch), horizontal, radiator to cooler	2
35	235038A2	SEAL - foam, adhesive-backed, 20 (25/32) x 490 (19-5/16) x 8 mm (5/16 inch), vertical, radiator to cooler	2
	L126767	HOSE - bulk, 8 (5/16) ID x 2336 mm (92 inch) long	1

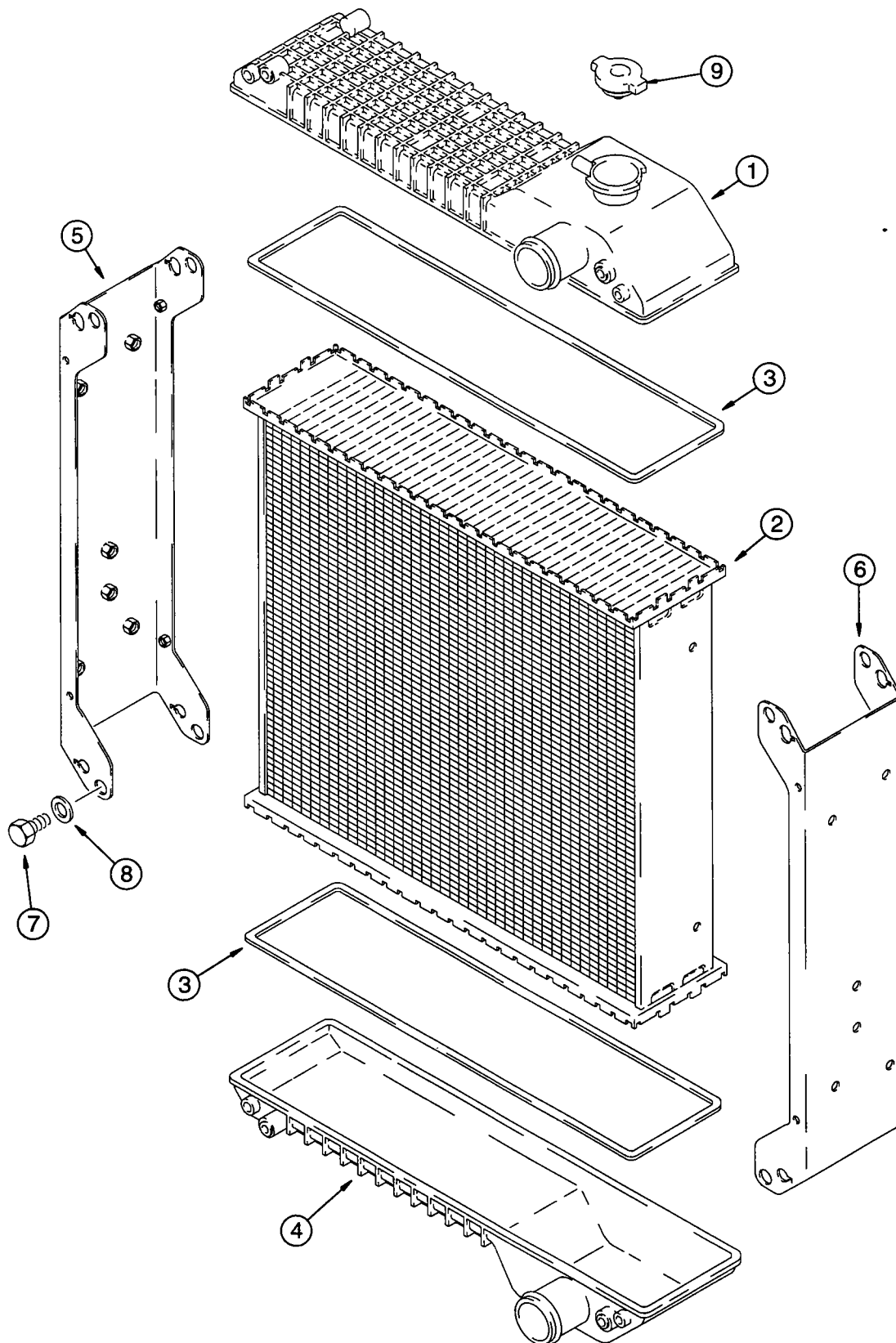


570LXT and 580L Series 2
2-5

**RADIATOR, FAN AND MOUNTING PARTS
USED WITH 291288A1 HEAVY DUTY OIL COOLER
(SEE PAGE 6-23 FOR COOLER)
MODELS WITH AIR CONDITIONING**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	239739A1	RADIATOR ASSEMBLY - engine coolant, heavy duty, 5 row, parts list page 2-7, used with 291288A1 heavy duty oil cooler, see page 6-23 for cooler and baffles, models with air conditioning	1
2	A170241	CAP - radiator, 15 psi	1
4	233272A1	SEAL - adhesive-backed, 6 (1/4) x 20 (25/32) x 404 mm (15-29/32 inch) long, radiator to shroud, upper and lower	2
5	186433A1	SHROUD - fan	1
6	806-8016	BOLT - hex, self-locking, 8 - 1.25 x 16 mm, class 10.9	4
7	895-15008	WASHER - flat, 9 x 20 x 1.6 mm	4
8	131084A1	RESERVOIR - coolant recovery bottle	1
9	1547924C1	CAP - recovery bottle	1
10	806-8050	BOLT - hex, self-locking, 8 - 1.25 x 50 mm, class 10.9, ...	2
11	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	4
12	132215A1	SPACER - bottle	2
13	132218A1	HOSE - 591 mm (23-1/4 inch) long, coolant recovery, cut from L126767 hose	1
14	132217A1	HOSE - 125 mm (4-15/16 inch) long, coolant overflow	1
15	A171099	CLAMP - spring-type, hose, retaining	3
16	232366A1	HOSE - radiator, upper	1
17	214-1432	CLAMP - adj, 1-9/16 - 2-1/2 inch dia	2
18	141513A1	HOSE - radiator, lower.	1
19	214-1440	CLAMP - adj, 2-1/16 - 3 inch dia	2
20	217-92	VALVE - drain, 1/4 inch PT, drain	1
21	121501A1	BRACKET - radiator mounting, lower, see page 9-97 for upper bracket that attaches to the radiator shroud, no longer available, order 121501A2	2
21A	121501A2	BRACKET - radiator mounting.	2
22	614-8016	BOLT - hex, full threads, 8 - 1.25 x 16 mm	4
23	814-10050	BOLT - hex, 10 - 1.5 x 50 mm	2
24	K691987	WASHER - flat, special	4
25	D52276	INSULATOR - rubber, mount, radiator	2
26	832-10410	NUT - hex, self-locking, 10 mm - 1.5	2
27	127181A1	FAN - engine cooling, 27 degree, with orange identification dot, models without turbocharged engine	1
27	228133A1	FAN - engine cooling, 39 degree, with white identification dot, models with turbocharged engine	1
28	814-10070	BOLT - hex, 10 - 1.5 x 70 mm	4
29	496-21041	WASHER - flat, 13/32 x 13/16 x 3/32 inch, hardened	4
30	A184545	SPACER - fan	1
31	J925953	BELT - fan, V-ribbed, alternator and fan, see page 9-169 for belt used on air conditioning compressor	1
33	614-8016	BOLT - hex, full threads, 8 - 1.25 x 16 mm, if used	2
34	235040A2	SEAL - foam, adhesive-backed, 20 (25/32) x 542 (21-11/32) x 6 mm (1/4 inch), horizontal, radiator to cooler	2
35	235038A2	SEAL - foam, adhesive-backed, 20 (25/32) x 490 (19-5/16) x 8 mm (5/16 inch), vertical, radiator to cooler	2
	L126767	HOSE - bulk, 8 (5/16) ID x 2336 mm (92 inch) long	1

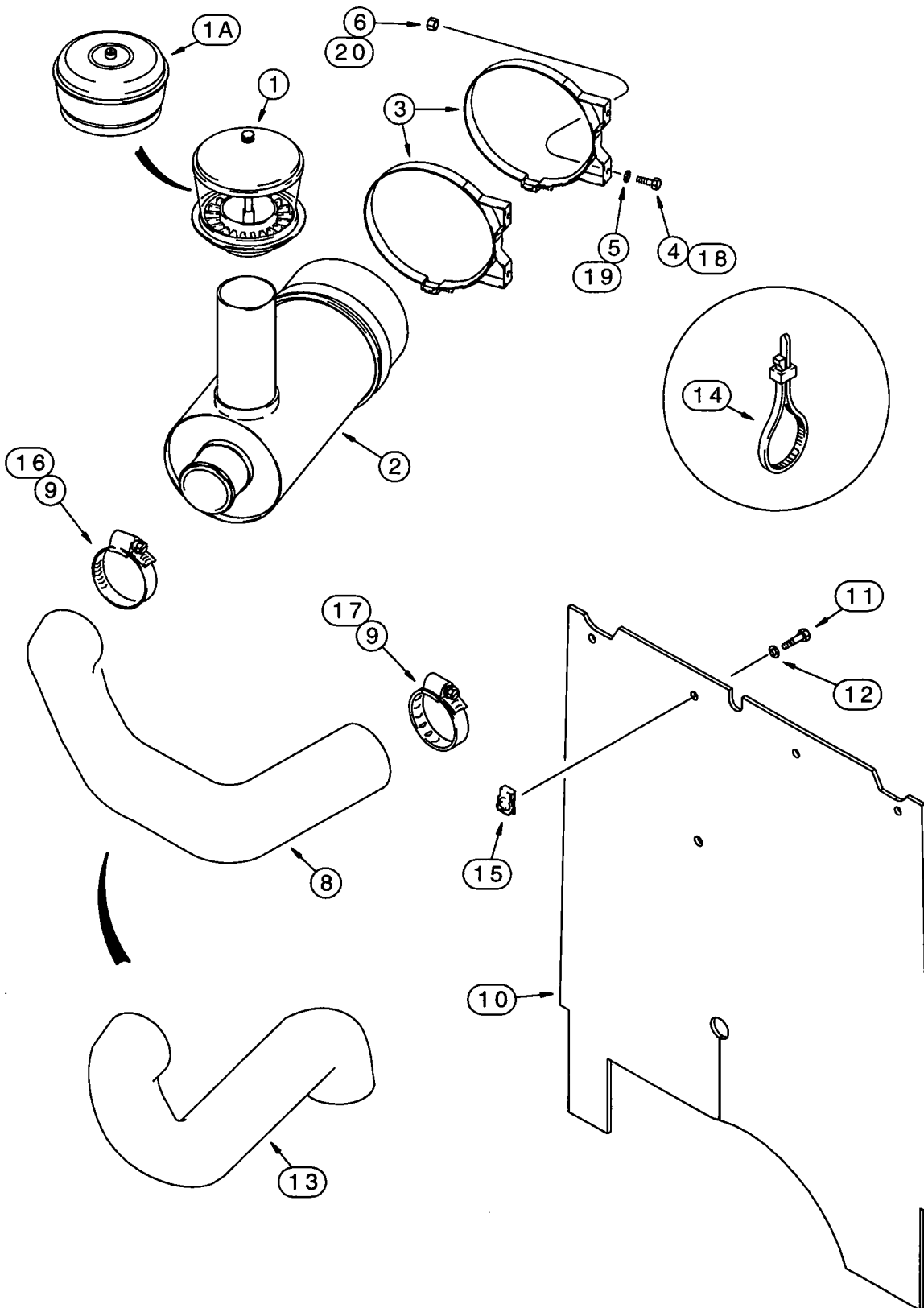
2-6



**570LXT and 580L Series 2
RADIATOR ASSEMBLIES****2-7**

REF.	PART NO.	DESCRIPTION	REQ'D.
	234876A1	RADIATOR ASSEMBLY - engine coolant, 4 row, if used, used with 233817A1 oil cooler, see page 6-21 for cooler	1
1	175161A1	TANK - upper	1
2	181148A1	CORE - radiator, 4 row.	1
3	175163A1	GASKET - core, upper and lower.	2
4	175162A1	TANK - lower	1
5	175164A1	BRACKET - left-hand, radiator.	1
6	175165A1	BRACKET - right-hand, radiator.	1
7	614-8012	BOLT - hex, full threads, 8 - 1.25 x 12 mm	8
8	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	8
9	A170241	CAP - radiator, 15 psi.	1
10	NSS	SEAL - foam, side channel brackets, not shown	2
	239739A1	RADIATOR ASSEMBLY - engine coolant, heavy duty, 5 row, if used, used with 291288A1 heavy duty oil cooler, see page 6-23 for cooler	1
1	175161A1	TANK - upper	1
2	257434A1	CORE - radiator, 5 row.	1
3	175163A1	GASKET - core, upper and lower.	2
4	175162A1	TANK - lower	1
5	175164A1	BRACKET - left-hand, radiator.	1
6	175165A1	BRACKET - right-hand, radiator.	1
7	614-8012	BOLT - hex, full threads, 8 - 1.25 x 12 mm	8
8	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	8
9	A170241	CAP - radiator, 15 psi.	1
10	NSS	SEAL - foam, side channel brackets, not shown	2
11	NSS	SEAL - foam, corners, side channel brackets, not shown	4

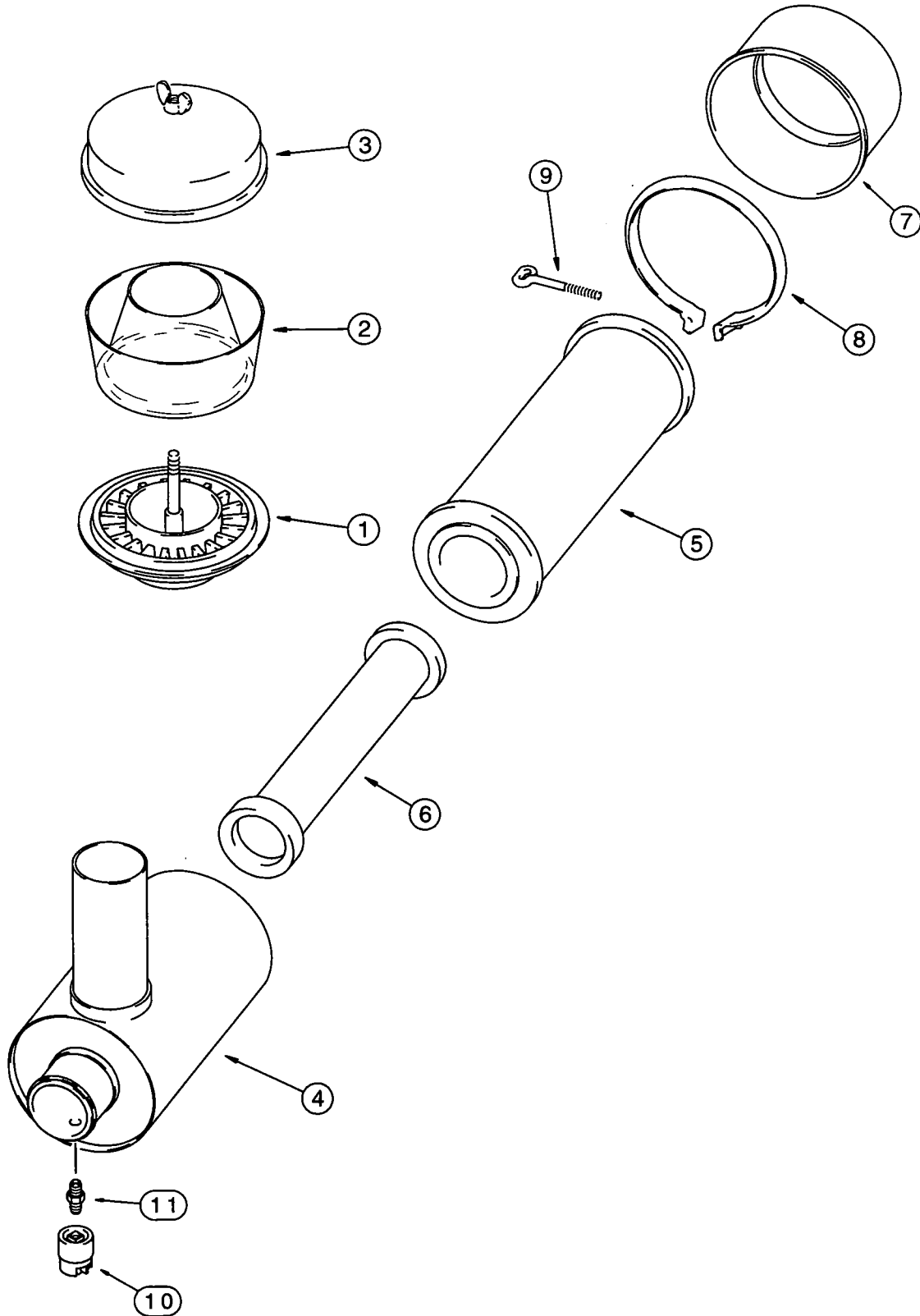
2-8



570LXT and 580L Series 2
2-9
AIR CLEANER AND AIR INTAKE PARTS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	193867A1	PRECLEANER ASSEMBLY - air, parts list page 2-11, models without turbocharged engine	1
1A	228120A1	PRECLEANER ASSEMBLY - air cleaner, parts list page 2-13, models with turbocharged engine	1
2	293568A1	CLEANER ASSEMBLY - air, engine, parts list page 2-11, models without turbocharged engine	1
2	293571A1	CLEANER ASSEMBLY - air, engine, parts list page 2-13, models with turbocharged engine	1
3	L113910	CLAMP - air cleaner mounting, includes hardware, models without turbocharged engine	2
3	70973	BAND - air cleaner mounting, includes hardware, models with turbocharged engine	2
4	614-10020	BOLT - hex, full threads, 10 - 1.5 x 20 mm, models without turbocharged engine	4
5	895-11010	WASHER - flat, 11 x 20 x 2 mm, models without turbocharged engine	4
6	829-1410	NUT - hex, 10 mm - 1.5, class 10.9, models without turbocharged engine	4
8	223944A1	HOSE - air cleaner to engine, models with turbocharged engine	1
9	214-1456	CLAMP - adj, 3-1/16 - 4 inch dia, models without turbocharged engine	2
10	275464A1	PAD - heat and noise reduction.	1
11	806-8025	BOLT - hex, self-locking, 8 - 1.25 x 25 mm, class 10.9	4
12	895-15008	WASHER - flat, 9 x 20 x 1.6 mm	4
13	144269A1	HOSE - air cleaner to engine, models without turbocharged engine.	1
14	L18337	STRAP - tie, 15 inch, barrier curtain	2
15	833-40408	NUT - U-type, 8 mm - 1.25	4
16	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia, models with turbocharged engine	1
17	214-1456	CLAMP - adj, 3-1/16 - 4 inch dia, models with turbocharged engine.	1
18	614-8020	BOLT - hex, full threads, 8 - 1.25 x 20 mm	4
19	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	4
20	829-1408	NUT - hex, 8 mm - 1.25, class 10	4

2-10



570LXT and 580L Series 2

2-11

**AIR CLEANER AND PRECLEANER ASSEMBLIES
MODELS WITHOUT TURBOCHARGED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.

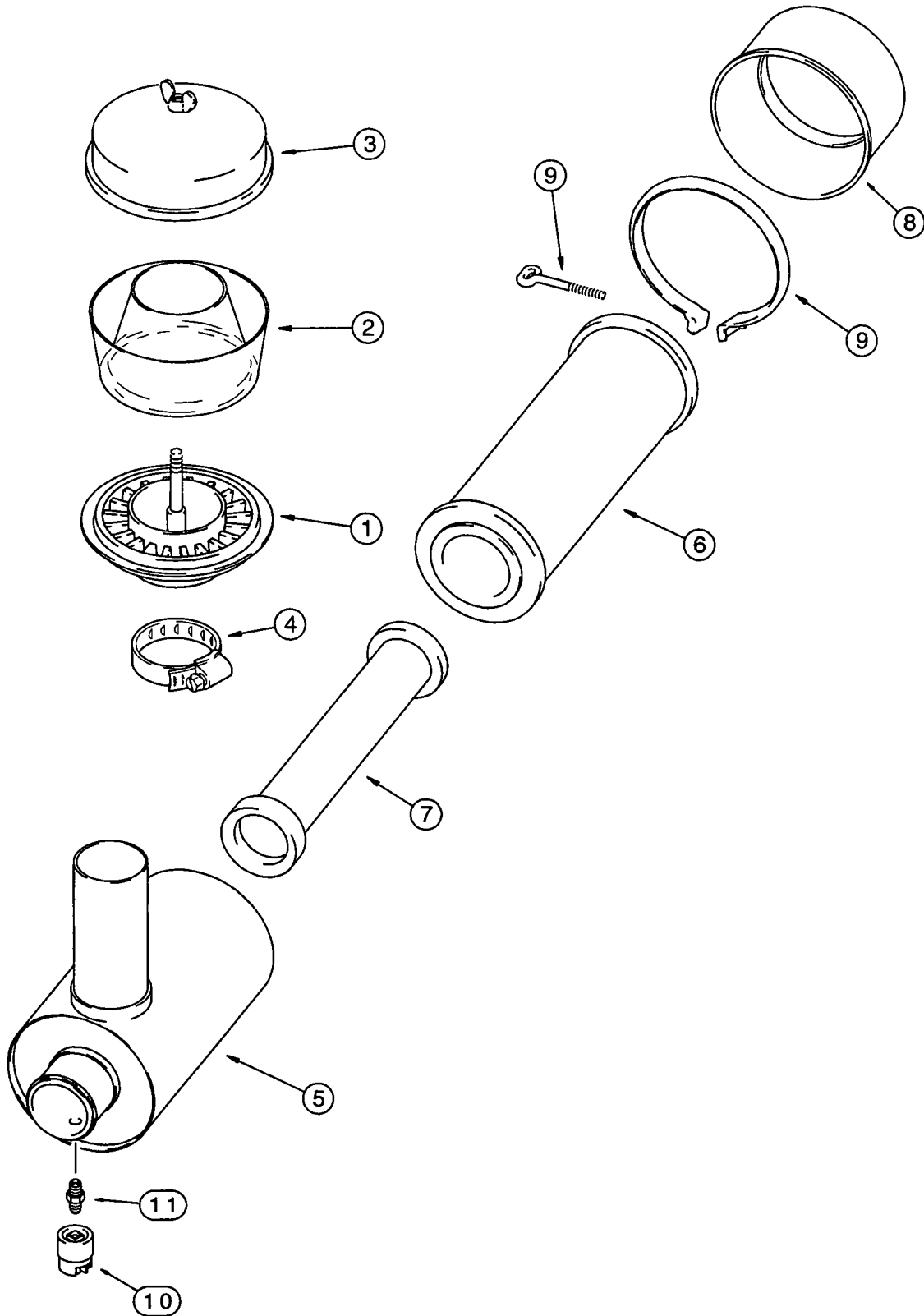
PRECLEANER ASSEMBLY

	193867A1	PRECLEANER ASSEMBLY - air	1
1	NSS	BODY - precleaner	1
2	365413R1	BOWL - precleaner	1
3	365412R91	COVER - precleaner	1
3A	214-1448	CLAMP - adj, 2-9/16 - 3-1/2 inch dia, not shown, 193867A1 precleaner	1

AIR CLEANER ASSEMBLY

	293568A1	CLEANER ASSEMBLY - air, engine	1
	128783A1	CLEANER ASSEMBLY - air, engine	1
4	NSS	HOUSING - air cleaner	1
5	128781A1	ELEMENT - primary	1
6	128782A1	ELEMENT - secondary	1
7	142540A1	COVER - end	1
8	142539A1	CLAMP - air cleaner, housing to end cover	1
9	L30338	BOLT - eye, special	1
10	292740A1	SWITCH - air restriction	1
11	D36264	ADAPTER - air restriction indicator	1

2-12



570LXT and 580L Series 2

2-13

**AIR CLEANER AND PRECLEANER ASSEMBLIES
MODELS WITH TURBOCHARGED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.

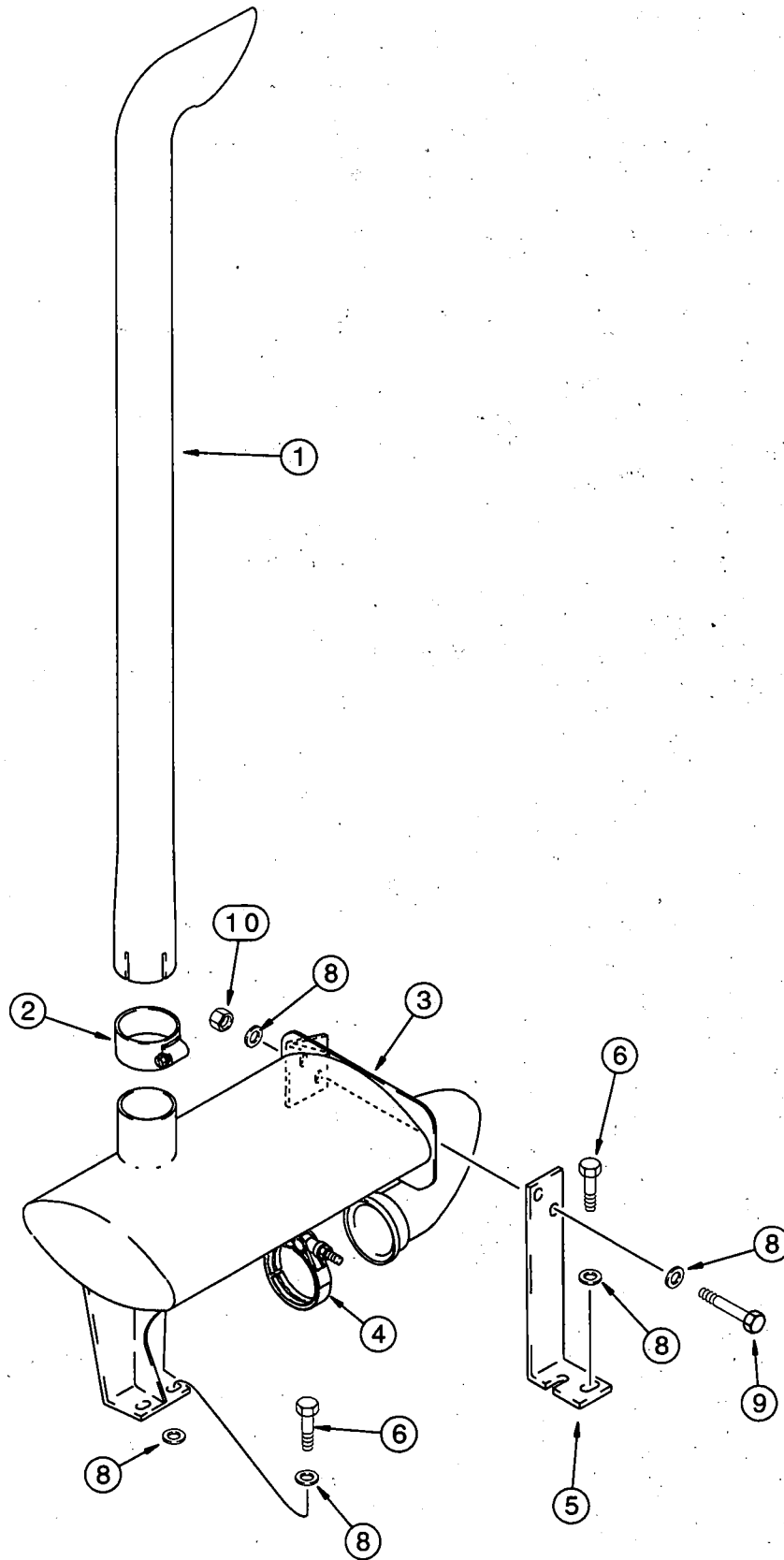
PRECLEANER ASSEMBLY

	228120A1	PRECLEANER ASSEMBLY - air cleaner	1
1	NSS	BODY - precleaner	1
2	277377R1	BOWL - precleaner	1
3	A42281	COVER - precleaner	1
4	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia	1

AIR CLEANER ASSEMBLY

	293571A1	CLEANER ASSEMBLY - air, engine	1
	226378A1	CLEANER ASSEMBLY - air, engine	1
5	NSS	HOUSING - air cleaner	1
6	222421A1	ELEMENT - primary	1
7	222422A1	ELEMENT - secondary	1
8	247743A1	COVER - end cap	1
9	R21391	CLAMP - band, includes hardware, housing to end cover, includes bolt	1
10	292740A1	SWITCH - air restriction	1
11	D36264	ADAPTER - air restriction indicator	1

2-14



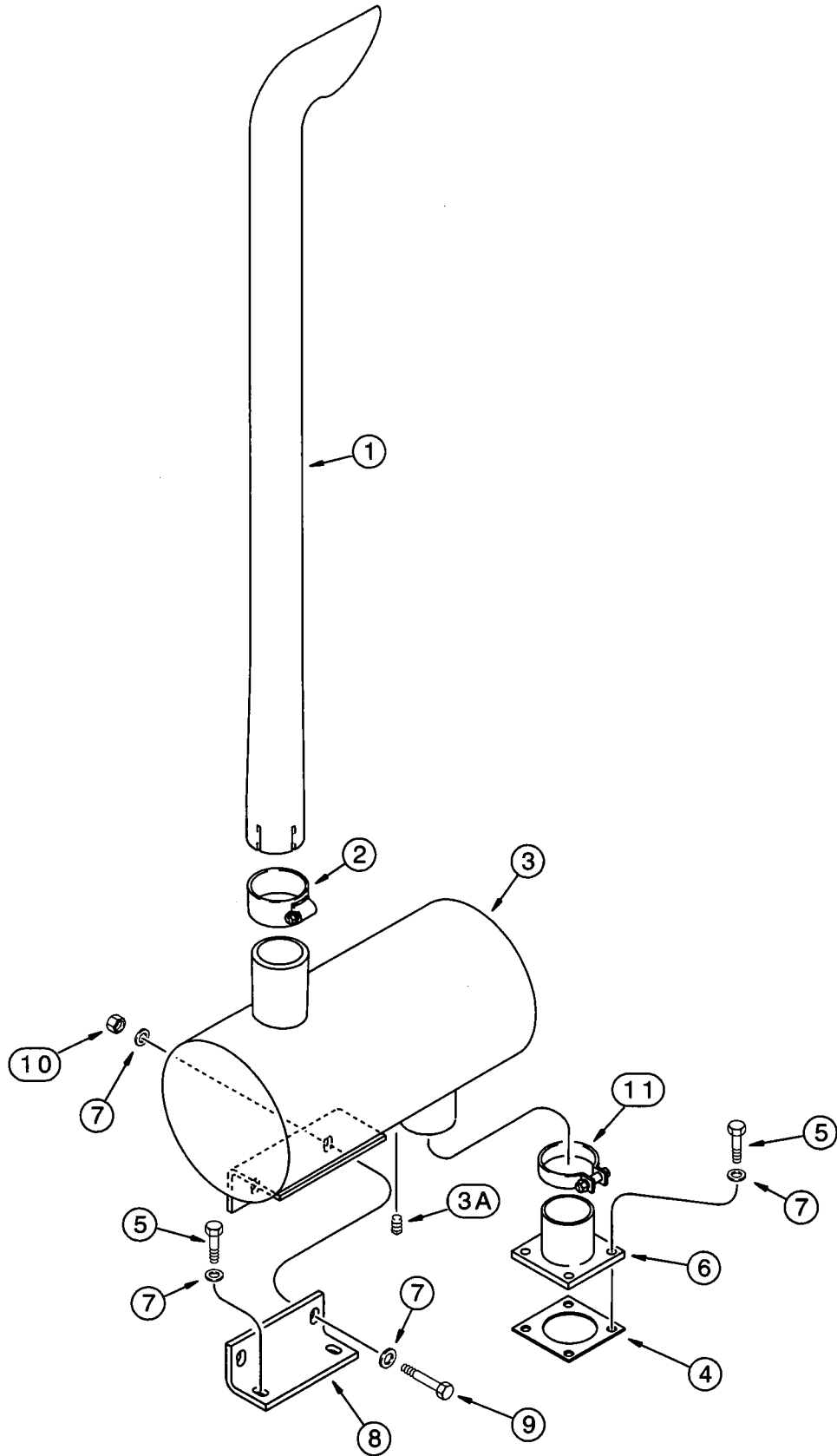
570LXT and 580L Series 2

2-15

**MUFFLER AND EXHAUST SYSTEM
MODELS WITH TURBOCHARGED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	275967A2	PIPE - exhaust, muffler extension	1
2	176437A1	CLAMP - exhaust pipe to muffler, includes hardware	1
3	227293A1	MUFFLER - engine exhaust	1
4	A170467	CLAMP - includes hardware, muffler tube to engine	1
5	225033A1	BRACKET - muffler, front	1
6	627-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm, class 10.9	4
8	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	10
9	627-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm, class 10.9	2
10	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	2

2-16



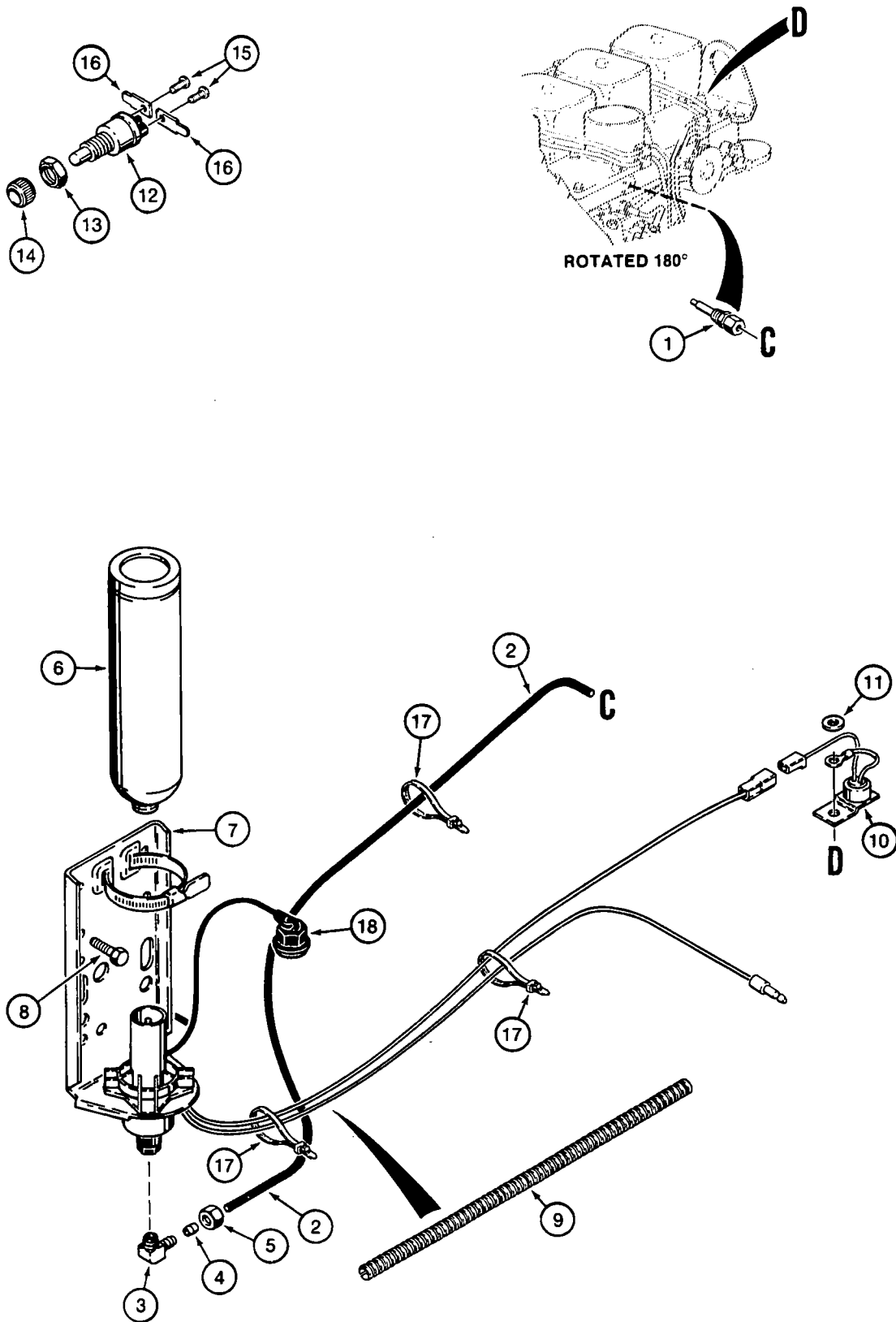
570LXT and 580L Series 2

2-17

**MUFFLER AND EXHAUST SYSTEM
MODELS WITHOUT TURBOCHARGED ENGINE**

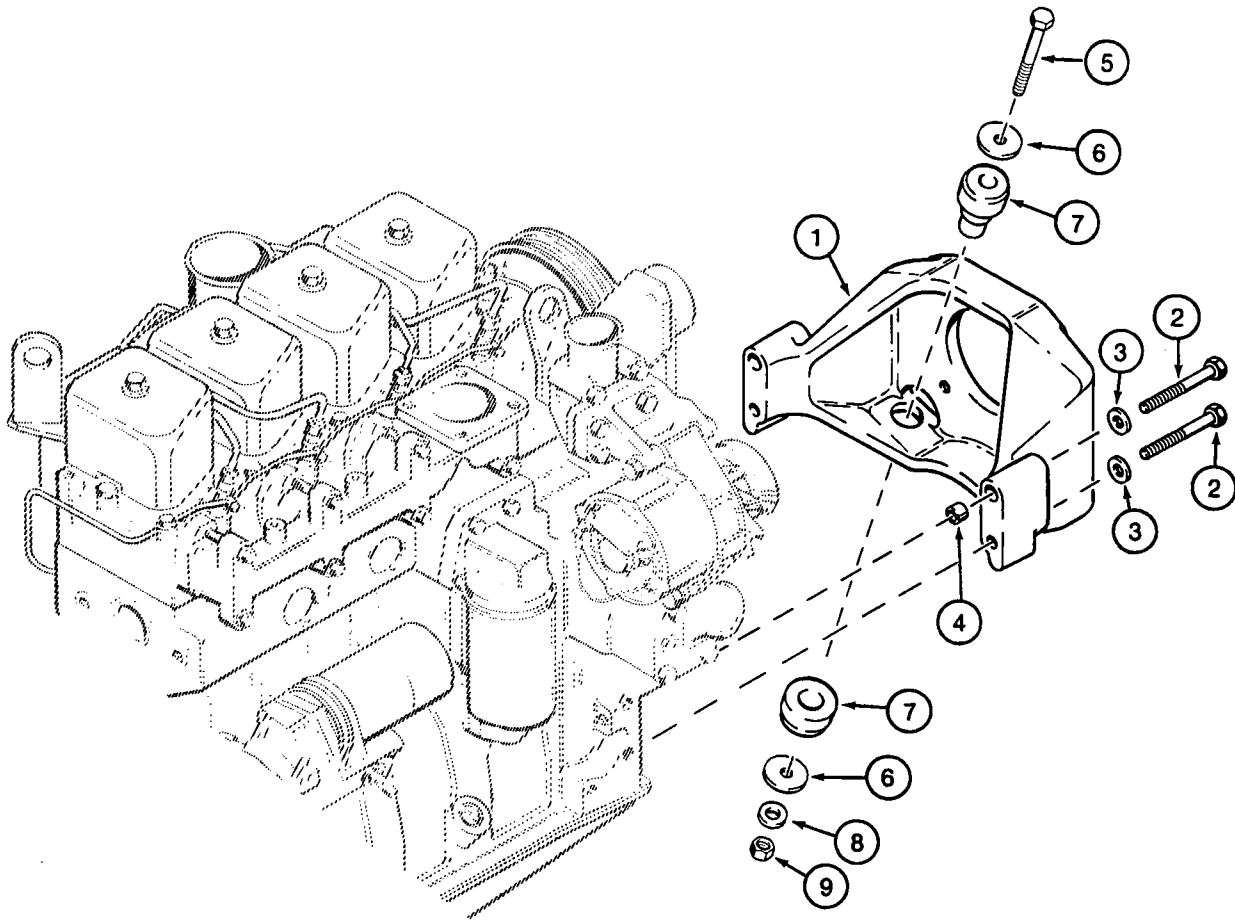
REF.	PART NO.	DESCRIPTION	REQ'D.
1	275967A2	PIPE - exhaust, muffler extension	1
2	176437A1	CLAMP - exhaust pipe to muffler, includes hardware	1
3	192928A1	MUFFLER - engine exhaust, spark arrester	1
3A	217-77	PLUG - square, 3/8 inch PT, brass	1
4	J912220	GASKET - muffler to manifold, steel	1
5	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	6
6	L129963	ADAPTER - engine to muffler	1
7	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	10
8	121421A1	BRACKET - muffler support.	1
9	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	2
10	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	2
11	176437A1	CLAMP - exhaust pipe to muffler, includes hardware	1

2-18



570LXT and 580L Series 2**2-19****COLD START SYSTEM**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A189154	NOZZLE ASSEMBLY - cold start injector, .008 dual orifice nozzle, component parts not serviced separately	1
2	D145367	TUBE - 762 mm (30 inch) long, cut from L60539X bulk tube, valve to injector nozzle, see below	1
	222-615	ELBOW - 90 degree, compression, 1/8 tube OD x 1/8 inch PT.	1
3	NSS	BODY - elbow.	1
4	222-650	SLEEVE - tapered, 1/8 inch tube OD	1
5	222-660	NUT - hex, 1/8 tube OD x 5/16-24 inch	1
6	A171940	CYLINDER - starting fluid, ether	1
7	A172116	VALVE ASSEMBLY - cold start, 3 cc, starting fluid injection, component parts not serviced separately, mounts to inner left-hand chassis upright	1
8	276-24916	SCREW - self-tapping, hex head, 3/8 NC x 1 inch	2
9	D128402	SLEEVE - wire guard, 380 mm (15 inch) long	1
10	A187923	SWITCH - temperature, circuit breaking, includes lead wires, uses existing intake manifold mounting hardware	1
11	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch.	1
	L72776	SWITCH ASSEMBLY - push button, cold start, must also order (2) L59682 blade terminals (item 16)	1
12	NSS	SWITCH - cold start	1
13	H275784	NUT - hex, special	1
14	D73741	NUT - hex, special	1
15	174-93	SCREW - machine, round head slotted, No. 10 NF x 1/4 inch.	2
16	L59682	TERMINAL - blade, straight, use with L72776 switch	2
17	L18337	STRAP - tie, 15 inch, nylon	UAR
18	254729A1	KIT - cap and cord, 1 inch threaded cap	1
	L60539X	TUBE - bulk, nylon, 3 (1/8) ID x 4267 mm (168 inch) long	1



570LXT and 580L Series 2

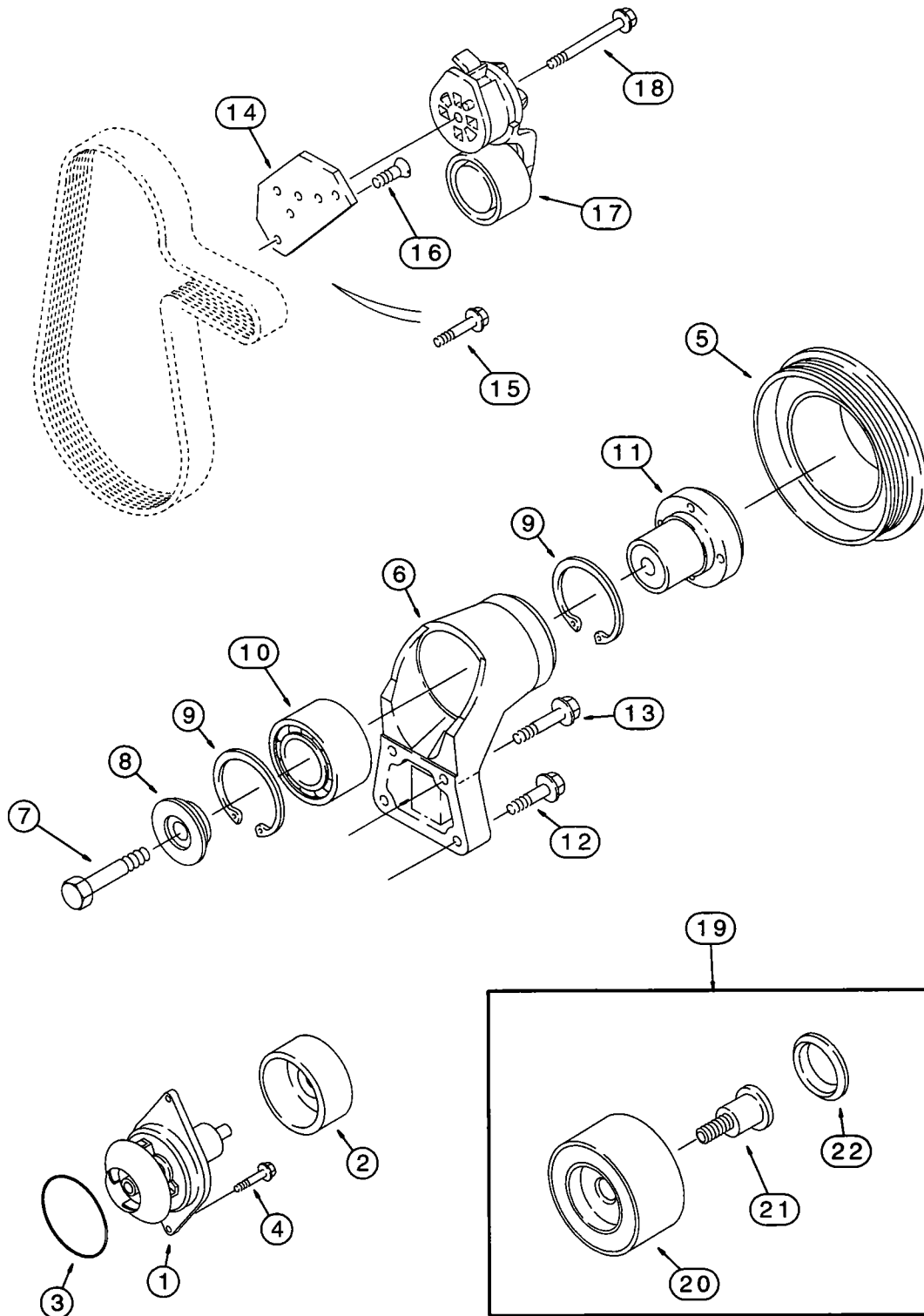
2-21

ENGINE MOUNTING

REF.	PART NO.	DESCRIPTION	REQ'D.
1	175637A1	SUPPORT - engine, front	1
2	814-12110	BOLT - hex, 12 - 1.75 x 110 mm	4
3	896-15012	WASHER - flat, 13.5 x 28 x 4 mm, hardened	4
4	A170309	SPACER - engine mount, upper bolt holes	2
5	814-12085	BOLT - hex, 12 - 1.75 x 85 mm	2
6	496-81018	WASHER - flat, 33/64 x 2 x 1/8 inch, hardened.	4
7	117844A1	INSULATOR - engine mount, front	2
8	896-15012	WASHER - flat, 13.5 x 28 x 4 mm, hardened	2
9	832-10412	NUT - hex, self-locking, 12 mm - 1.75	2

NOTE: See page 6-25 for rear engine/transmission mounts.

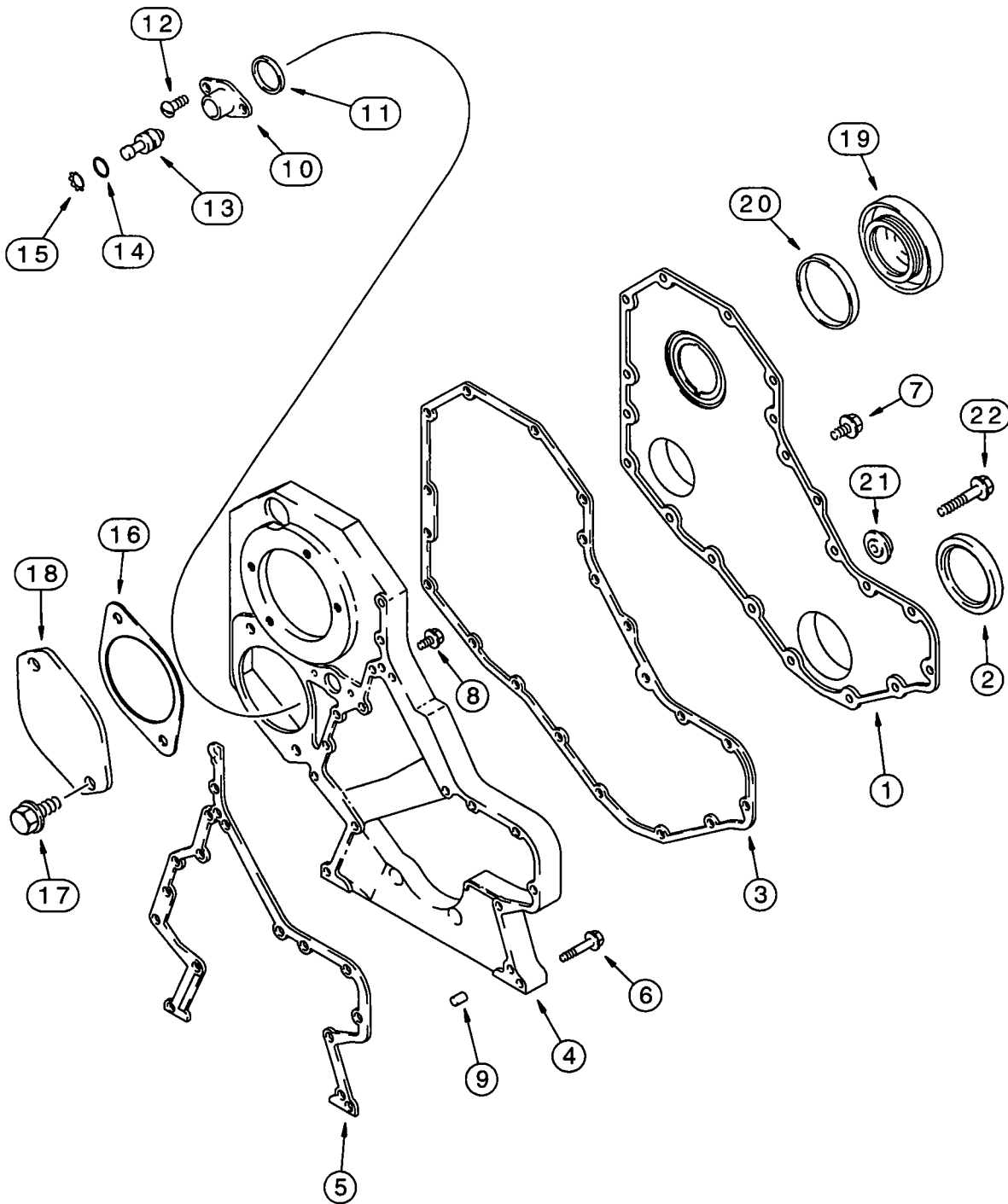
2-22



570LXT and 580L Series 2**2-23****WATER PUMP SYSTEM****4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	J802358	KIT - water pump	1
1	NSS	PUMP ASSEMBLY - water.	1
2	NSS	PULLEY - water pump	1
3	238-5341	O-RING - 3-1/2 ID x 3/16 inch wide	1
4	J900227	BOLT - hex, special, 8 - 1.25 x 22 mm	2
5	J914462	PULLEY - fan, 1.1 to 1 ratio.	1
6	J911205	SUPPORT - fan	1
7	J907769	BOLT - hex, special, 10 - 1.5 x 70 mm, class 12.9.	1
8	J923044	RETAINER - fan hub	1
9	100-21250	RING - internal retaining, No. 250	2
10	J910739	BEARING - ball	1
11	J911924	HUB - fan	1
12	845-8040	BOLT - heavy hex flange, 8 - 1.25 x 40 mm	2
13	845-8030	BOLT - heavy hex flange, 8 - 1.25 x 30 mm	2
14	J925195	BRACKET - belt tensioner.	1
15	845-8025	BOLT - heavy hex flange, 8 - 1.25 x 25 mm	1
16	J925186	SCREW - flat head cap, torx, special, 8 - 1.25 x 25 mm	1
17	J918944	TENSIONER - belt.	1
18	854-10070	BOLT - heavy hex flange, 10 - 1.5 x 70 mm, class 10.9	1
19	A77817	KIT - belt tensioner pulley, used to replace pulley of J918944 belt tensioner, item 17	1
20	NSS	PULLEY - belt tensioner.	1
21	NSS	BOLT - pulley	1
22	NSS	SEAL - dust	1

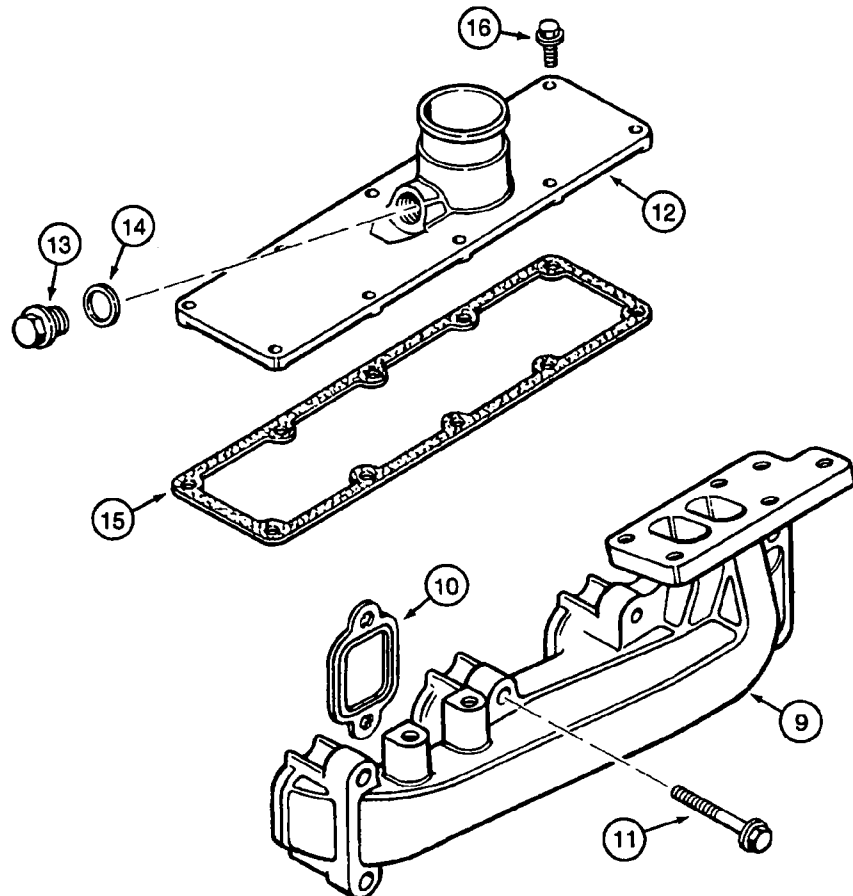
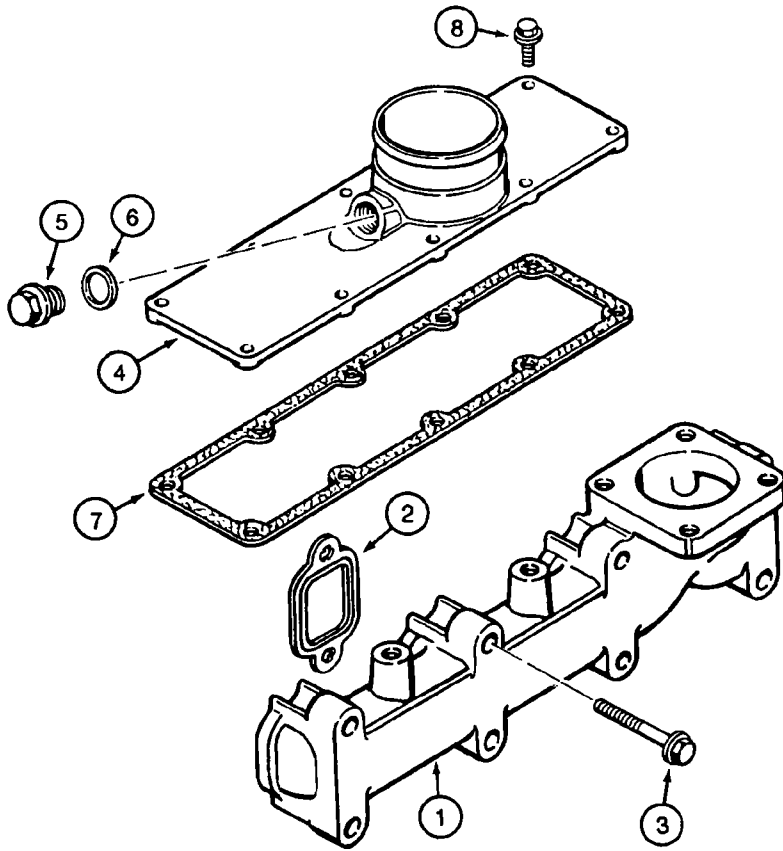
2-24



570LXT and 580L Series 2**2-25****FRONT GEAR COVER****4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	J918675	COVER - gear, front	1
2	NSS	SEAL - oil, crankcase front, order A77889 seal kit on page 2-53	1
3	J918673	GASKET - front cover	1
4	J932120	HOUSING - timing gear	1
5	J931351	GASKET - gear housing	1
6	845-8050	BOLT - heavy hex flange, 8 - 1.25 x 50 mm	10
7	J924962	BOLT - hex flange, special, 8 - 1.25 x 16 mm, external, retains item 1 to item 4	8
8	J924962	BOLT - hex flange, special, 8 - 1.25 x 16 mm, internal, retains item 4 to block	5
9	J900257	PIN - dowel, 16 mm long, locating	2
10	J919683	HOUSING - timing pin	1
11	J915772	RING - quad, timing pin housing	1
12	J907998	SCREW - round head cap, torx, special, 5 - 0.8 x 17 mm	2
13	J903924	PIN - timing	1
14	J913994	O-RING - sealing	1
15	J904849	RING - retaining, timing pin	1
16	J929751	GASKET - access cover plate	1
17	854-12025	BOLT - heavy hex flange, 12 - 1.75 x 25 mm, class 10.9	2
18	J914868	PLATE - access cover, flat	1
19	J903463	COVER - front access, fuel pump drive gear	1
20	J903475	SEAL - front access cover, fuel pump drive gear	1
21	J912772	RETAINER - bolt	1
22	845-8060	BOLT - heavy hex flange, 8 - 1.25 x 60 mm	1

2-26



570LXT and 580L Series 2

2-27

MANIFOLDS - EXHAUST AND INTAKE

REF.	PART NO.	DESCRIPTION	REQ'D.

EXHAUST - 4-390 EMISSIONS CERTIFIED ENGINE

1	J901223	MANIFOLD - exhaust, Naturally Aspirated	1
2	J905443	GASKET - exhaust manifold	4
3	854-10065	BOLT - heavy hex flange, 10 - 1.50 x 65 mm, class 10.9	8

INTAKE - 4-390 EMISSIONS CERTIFIED ENGINE

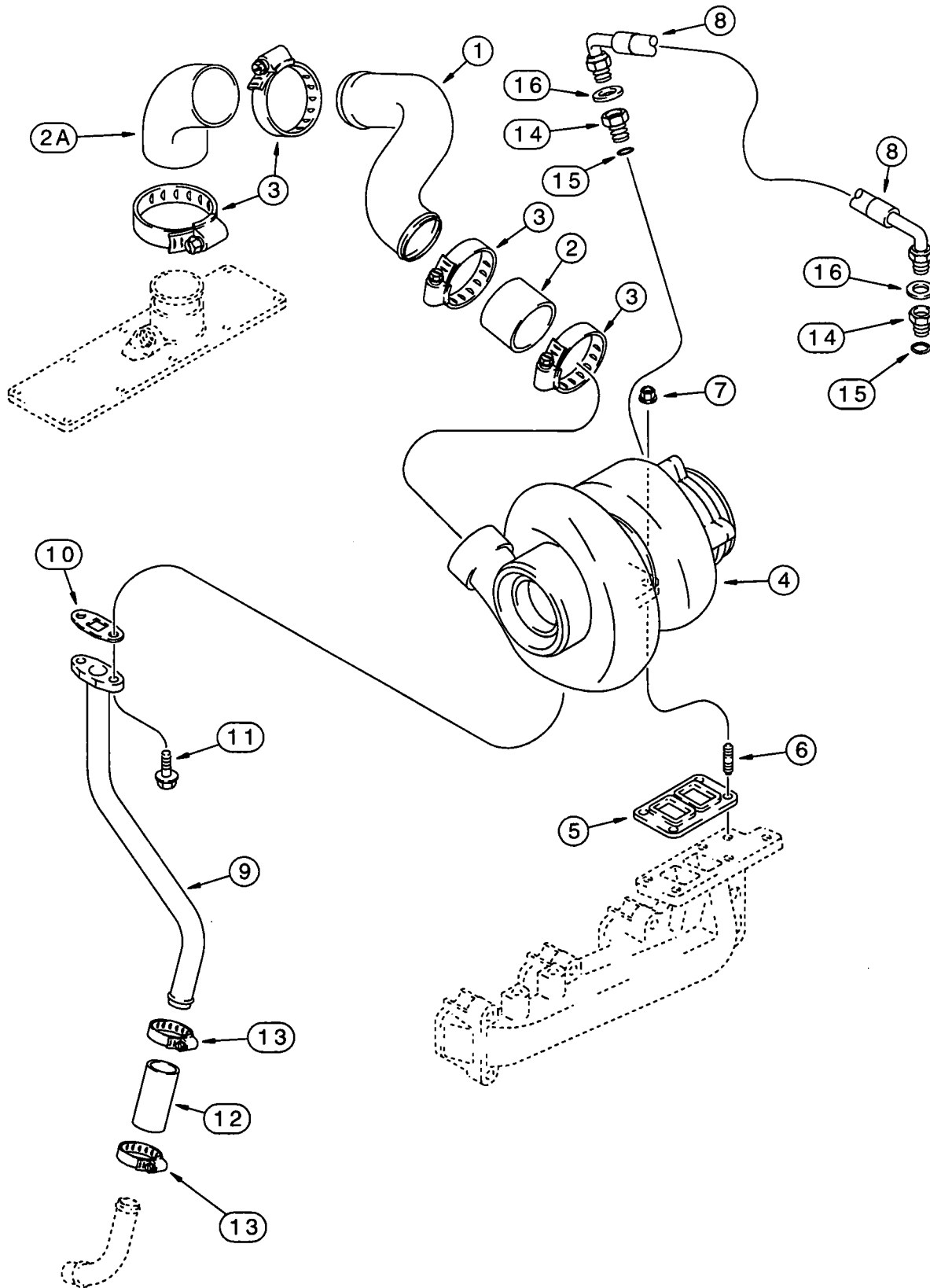
	A77415	KIT - intake manifold, Naturally Aspirated, no longer available, order items 4 - 6	1
4	J904340	COVER - intake	1
5	J907185	PLUG - manifold, remove to install cold start	1
6	J906773	WASHER - plug sealing	1
7	J931605	GASKET - intake manifold	1
8	J918109	BOLT - hex flange, special, 8 - 1.25 x 25 mm	10

EXHAUST - 4T-390 EMISSIONS CERTIFIED ENGINE

9	J901919	MANIFOLD - exhaust, Turbocharged	1
10	J905443	GASKET - exhaust manifold	4
11	854-10065	BOLT - heavy hex flange, 10 - 1.50 x 65 mm, class 10.9	8

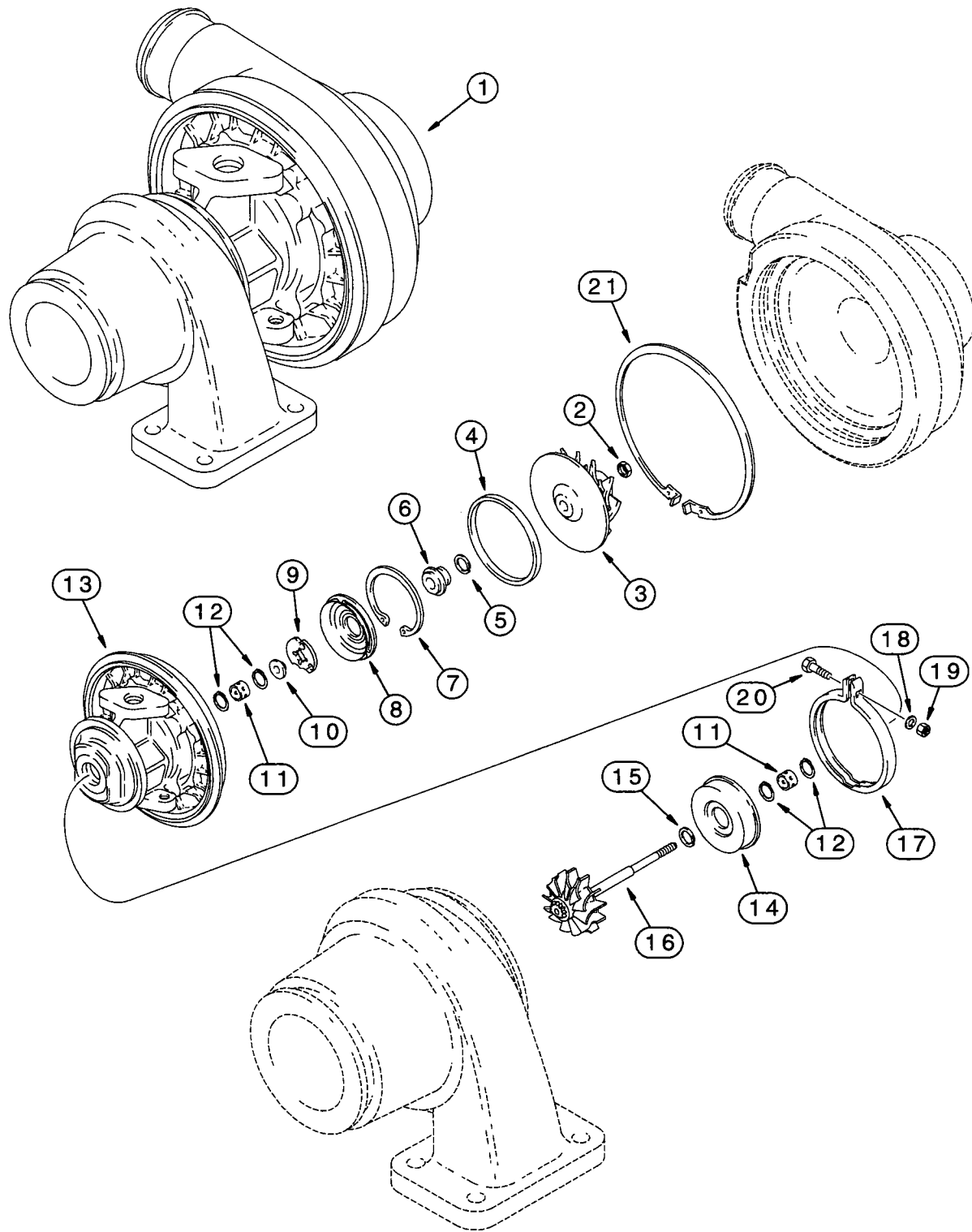
INTAKE - 4T-390 EMISSIONS CERTIFIED ENGINE

	A77416	KIT - intake manifold, Turbocharged, no longer available, order items 12 - 14.	1
12	J904339	COVER - intake	1
13	J907185	PLUG - manifold, remove to install cold start	1
14	J906773	WASHER - plug sealing	1
15	J931605	GASKET - intake manifold	1
16	J918109	BOLT - hex flange, special, 8 - 1.25 x 25 mm	10



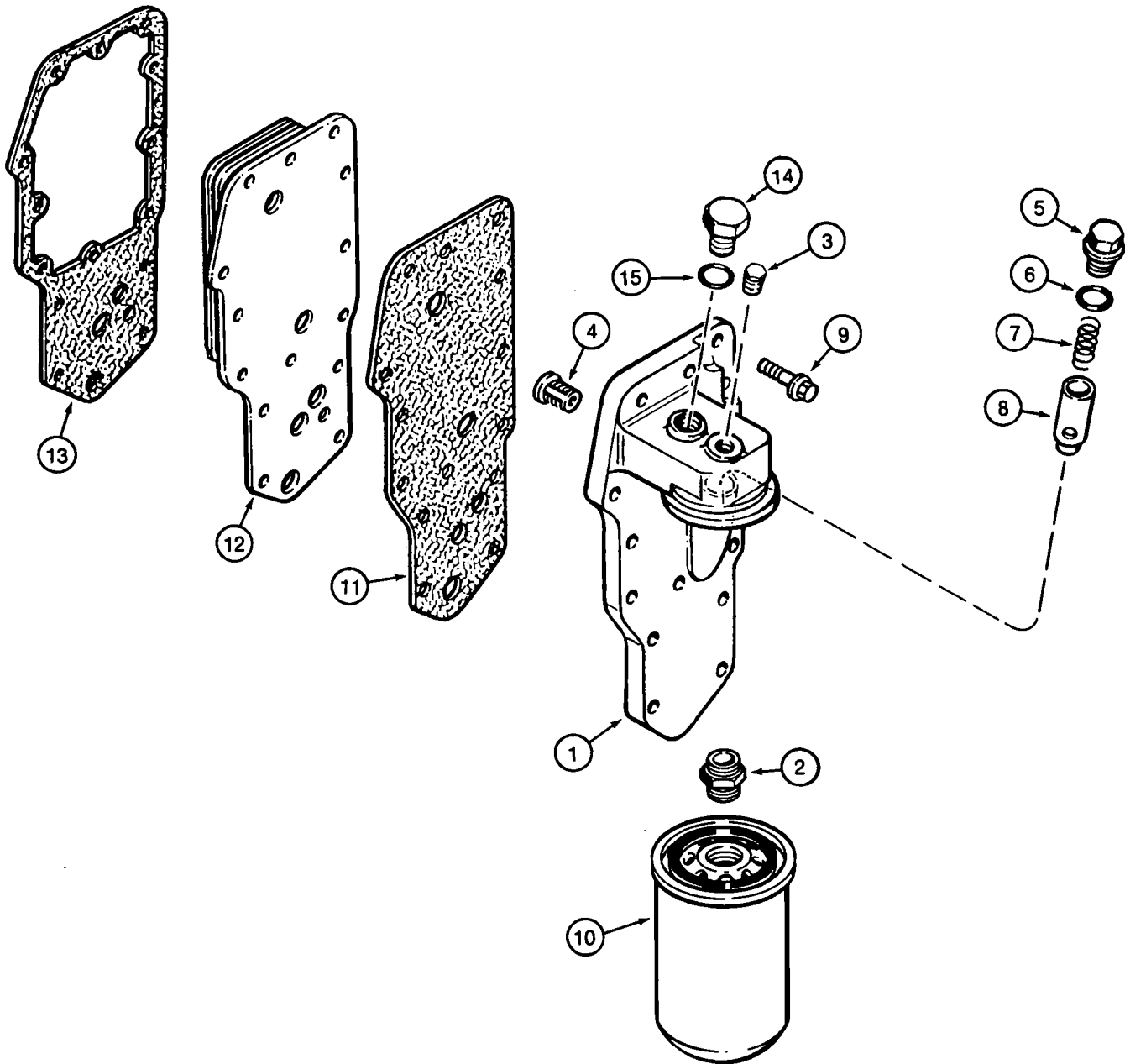
570LXT and 580L Series 2**2-29****TURBOCHARGER SYSTEM
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	J931784	TUBE - crossover	1
2	J916438	HOSE - 80 mm (3-1/8 inch) long, air intake	1
2A	J933026	HOSE - 76 mm (3 inch) long, air intake	1
3	214-3240	CLAMP - adj, 1-3/4 - 2-5/8 inch dia	4
4	REF	TURBOCHARGER ASSEMBLY - engine, new, see page 2-31 for correct assembly and component parts.	1
5	J919369	GASKET - turbocharger to manifold	1
6	J818823	STUD - turbocharger mounting	1
7	J818824	NUT - hex flange, special, 10 mm - 1.5, stud	4
8	J913759	HOSE - turbocharger oil supply	1
9	J903740	TUBE - turbocharger oil drain	1
10	J931350	GASKET - turbo oil drain tube	1
11	845-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm	2
12	J931970	HOSE - 76 mm (3 inch) long, turbocharger oil drain	1
13	214-1416	CLAMP - adj, 13/16 - 1-1/2 inch dia, hose	2
14	J919687	ADAPTER - female hex, special (1) used to connect turbocharger oil supply hose to turbocharger, (1) used to connect turbocharger oil supply hose to J918954 oil filter head.	2
15	238-5013	O-RING - 7/16 ID x 1/16 inch wide.	1
16	222-993	GASKET - flare, copper, 3/8 inch tube OD	2



570LXT and 580L Series 2**2-31****TURBOCHARGER ASSEMBLY
4T-390 EMISSIONS CERTIFIED ENGINE**

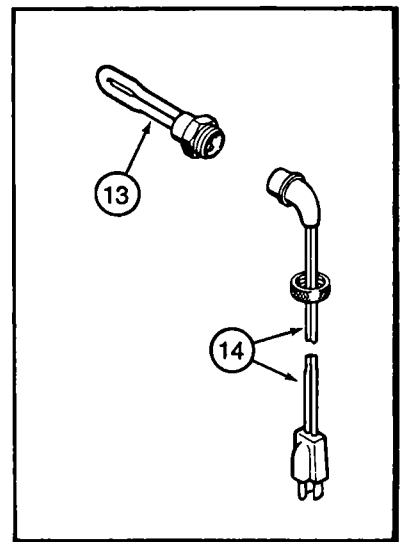
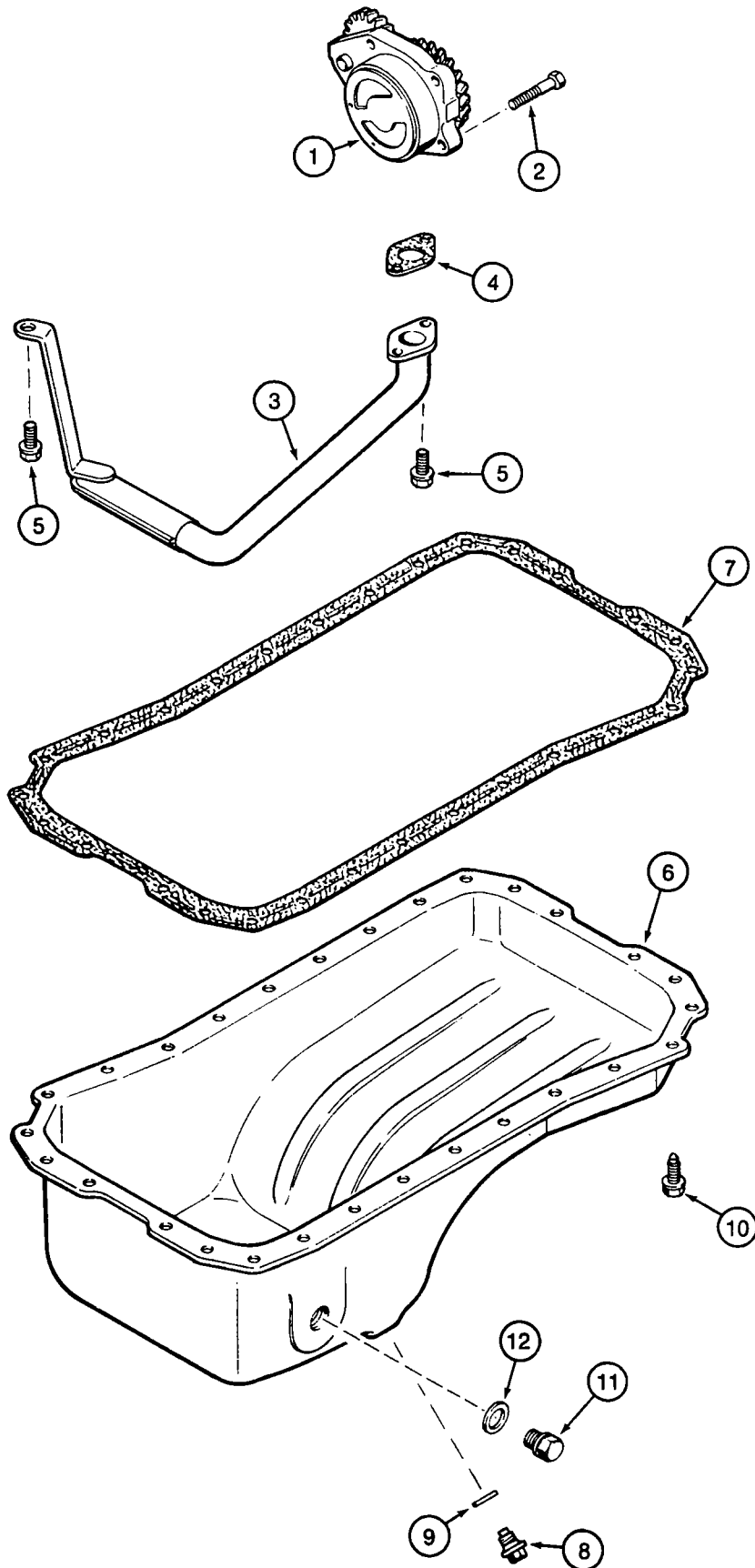
REF.	PART NO.	DESCRIPTION	REQ'D.
	JR802908	KIT - turbocharger, engine, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC537886	RETURN NUMBER - use this part number to return turbocharger core for credit when using a remanufactured assembly	1
	J802908	KIT - turbocharger, large frame, includes new turbocharger assembly, (1) J519807 turbo oil drain tube gasket and (1) J709861 turbocharger mounting gasket, not shown	1
1	J580234	CENTER HOUSING ASSEMBLY - turbocharger	1
2	*NSS	NUT - hex, lock	1
3	NSS	IMPELLER - turbocharger	1
4	NSS	SEAL - plate	1
5	*NSS	SEAL - slit ring	1
6	NSS	SLINGER - oil	1
7	*NSS	RING - snap	1
8	*NSS	BAFFLE - oil	1
9	*NSS	BEARING - turbocharger thrust	1
10	NSS	COLLAR - thrust	1
11	*NSS	BEARING - turbocharger	2
12	*NSS	RING - retaining	4
13	NSS	HOUSING - turbo bearing	1
14	NSS	SHIELD - turbo heat	1
15	*NSS	SEAL - split ring	1
15A	*NSS	SEAL - oil, not shown	1
16	NSS	ROTOR ASSEMBLY - with shaft	1
17	J531670	CLAMP - adjustable	1
18	J535971	WASHER - flat, special	1
19	*J531582	NUT - hex	1
20	*J531598	BOLT - hex	1
21	J535800	RING - snap	1
	*J575205	KIT - overhaul, turbocharger, includes all items with an asterisk.	1



570LXT and 580L Series 2**2-33****OIL FILTER AND COOLER****4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	J918954	HEAD ASSEMBLY - oil filter and cooler	1
1	NSS	HEAD - lube oil filter	1
2	J909355	ADAPTER - filter head	1
3	J906619	PLUG - hex, 1/8 inch PT	1
4	J927622	VALVE - relief, pressure	1
5	J915787	PLUG - threaded, pipe	1
6	J929457	O-RING - plug	1
7	J925009	SPRING - compression	1
8	J918428	PLUNGER - regulator, pressure	1
9	845-8035	BOLT - heavy hex flange, 8 - 1.25 x 35 mm	14
10	J908616	FILTER - engine oil, cartridge, if used	1
10	J934429	FILTER - engine oil, cartridge, premium oil filter, if used	1
11	J929792	GASKET - filter head	1
12	J921557	CORE - cooler, oil	1
13	J942914	GASKET - oil cooler core	1
14	J919686	PLUG ASSEMBLY - hex, 12 mm threaded, used on engines without a turbocharger oil supply	1
15	238-5013	O-RING - 7/16 ID x 1/16 inch wide	1

2-34



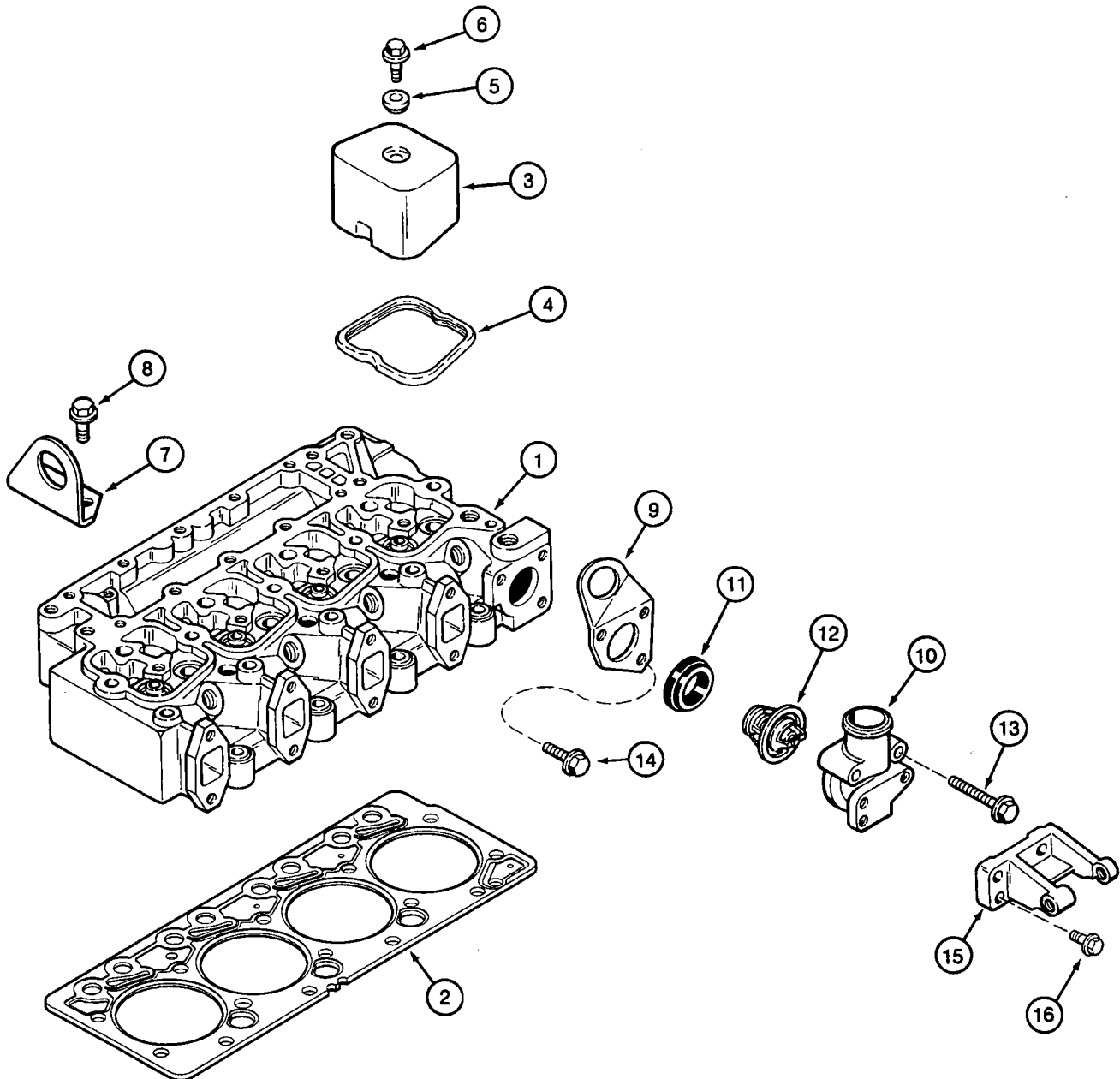
570LXT and 580L Series 2
2-35
OIL PUMP AND OIL PAN
**4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	JR932449	PUMP - oil, remanufactured, North America only, 4-390 engine	1
	JR930336	PUMP - oil, remanufactured, North America only, 4T-390 engine	1
	JC932449	RETURN NUMBER - use this part number to return pump core for credit when using a remanufactured assembly, 4-390 engine	1
	JC926202	RETURN NUMBER - use this part number to return pump core for credit when using a remanufactured assembly, 4T-390 engine	1
1	J932449	PUMP - oil, engine, new, used on 4-390 engine	1
1	J930336	PUMP - oil, engine, new, used on 4T-390 engine	1
2	J900677	BOLT - hex, full threads, 8 - 1.25 x 30 mm	4
3	J905206	TUBE - suction, oil	1
4	*J931349	GASKET - mounting, oil suction tube	1
5	845-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm	3
6	J901049	PAN - oil, engine	1
7	*NSS	GASKET - oil pan, order A77673 gasket kit for service	1
8	J924147	PLUG - hex magnetic, special, 12 mm - 1.5, drain, oil	1
9	*J920773	WASHER - sealing, drain plug	1
10	J920400	SCREW - hex flange cap, special, 8 - 1.25 x 25 mm	28
11	J924148	PLUG - hex magnetic, special, 22 mm - 1.5, pipe, heater hole	1
12	**J902425	WASHER - sealing, plug	1
	*A77673	KIT - gasket, oil pan, includes all items shown above with an asterisk	1

ENGINE OIL HEATER

	**A77490	KIT - heater, engine oil	1
13	NSS	ELEMENT - heater, 120 volt	1
14	196466A1	CABLE - engine block heater	1

****NOTE:** When engine oil heater kit is ordered, item 12, J902425 washer must also be ordered.



570LXT and 580L Series 2

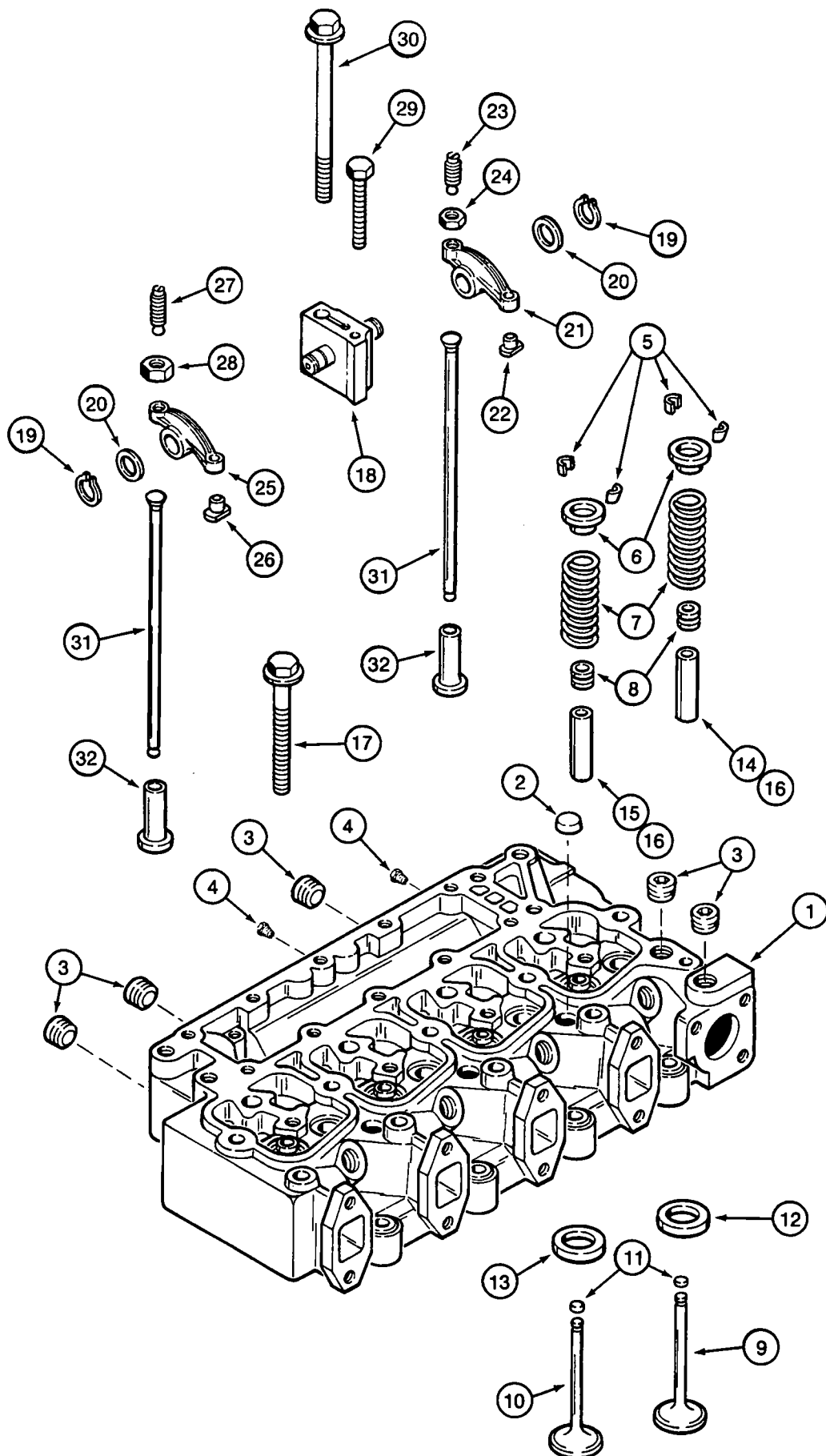
2-37

CYLINDER HEAD COVERS
4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	HEAD - cylinder, see page 2-39 or 2-41 for correct cylinder head and parts list	1
2	J283333	GASKET - head, standard	1
2	J283336	GASKET - head, 2 notches, 0.25 mm overthick	1
2	J283338	GASKET - head, 3 notches, 0.50 mm overthick	1
3	J928404	COVER - rocker arm	4
4	J930906	SEAL - rocker arm cover	4
5	J928406	ISOLATOR - noise	4
6	J907049	BOLT - hex flange, special, 8 - 1.25 x 21.25 mm	4
7	J908118	BRACKET - lifting, rear	1
8	854-12025	BOLT - heavy hex flange, 12 - 1.75 x 25 mm, class 10.9	2

THERMOSTAT AND HOUSING

9	J903757	BRACKET - lifting, front	1
	A77736	KIT - coolant thermostat	1
10	J923331	GASKET - thermostat housing	1
11	NSS	THERMOSTAT - coolant	1
12	J914409	HOUSING - thermostat	1
13	845-8070	BOLT - heavy hex flange, 8 - 1.25 x 70 mm	2
14	845-8035	BOLT - heavy hex flange, 8 - 1.25 x 35 mm	1
15	J923387	SUPPORT - alternator mounting	1
16	845-8025	BOLT - heavy hex flange, 8 - 1.25 x 25 mm	3

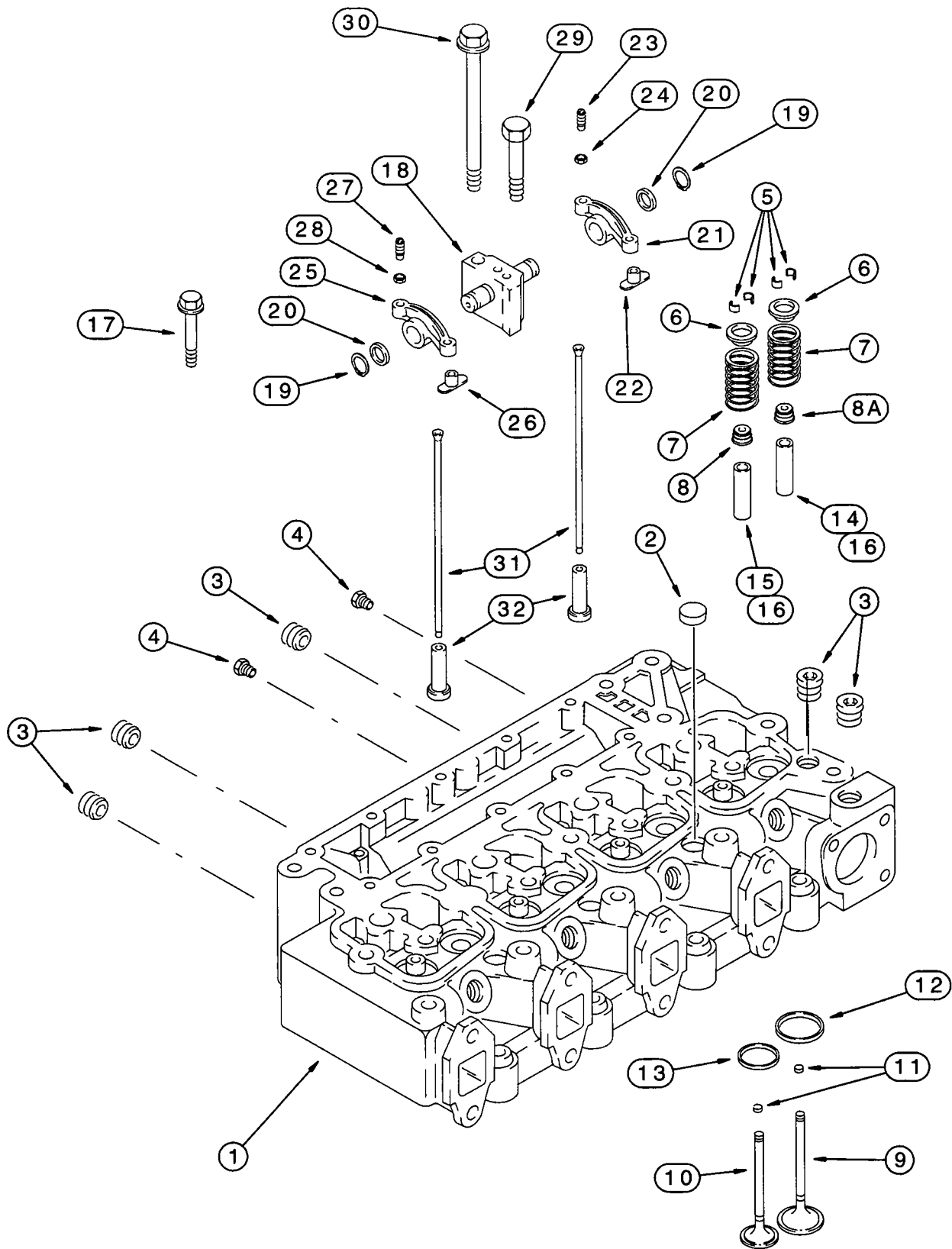


570LXT and 580L Series 2**2-39****CYLINDER HEAD AND VALVE MECHANISM****4-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	JR933494	HEAD ASSEMBLY - cylinder, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC929736	RETURN NUMBER - use this part number to return head for credit when using a remanufactured assembly	1
1	J933494	HEAD ASSEMBLY - cylinder, new, with valves	1
1	J920005	HEAD ASSEMBLY - cylinder, new, without valves	1
2	A77783	PLUG - expansion, 21 mm OD	3
3	217-466	PLUG - square socket headless, 1/2 inch PT, one removed to install temperature sending unit	5
4	J906619	PLUG - hex, 1/8 inch PT	2
5	J900250	KEEPER - valve	16
6	J900299	RETAINER - valve spring	8
7	J932453	SPRING - valve	8
8	J901097	SEAL - valve	8
9	J920867	VALVE - intake	4
10	J920868	VALVE - exhaust	4
11	J280911	PAD - wear, service repair only for valve stem tip, for use on intake and exhaust valves	UAR
12	J906854	SEAT - insert, intake valve, service repair only	4
13	J904105	SEAT - insert, exhaust valve, service repair only	4
14	*J904408	GUIDE - valve, intake, service repair only, 14 mm OD	4
15	*J904409	GUIDE - valve, exhaust, service repair only, 14 mm OD	4
16	*J906206	GUIDE - valve, intake and exhaust, service repair only, 11 mm OD	8
17	J920779	BOLT - cylinder head, 70 mm long	4
17	J920780	BOLT - cylinder head, 120 mm long	10
18	J922488	SUPPORT AND SHAFT ASSEMBLY - rocker arm	4
19	J900242	RING - retaining, rocker arm	8
20	J900245	WASHER - thrust, rocker arm	8
21	J910811	ARM ASSEMBLY - rocker, intake	4
22	NSS	INSERT - rocker arm	1
23	J900706	SCREW - slotted set, adjusting, special	1
24	425-116	NUT - hex, 3/8 inch NF	1
25	J910810	ARM ASSEMBLY - rocker, exhaust	4
26	NSS	INSERT - rocker arm	1
27	J900706	SCREW - slotted set, adjusting, special	1
28	425-116	NUT - hex, 3/8 inch NF	1
29	814-8075	BOLT - hex, 8 - 1.25 x 75 mm	4
30	J920781	BOLT - rocker arm and cylinder head, 180 mm long	4
31	J923262	ROD - push, rocker arm	8
32	J931623	TAPPET - valve, push rod	8

*** NOTE:** These parts are semi-finished valve guides.

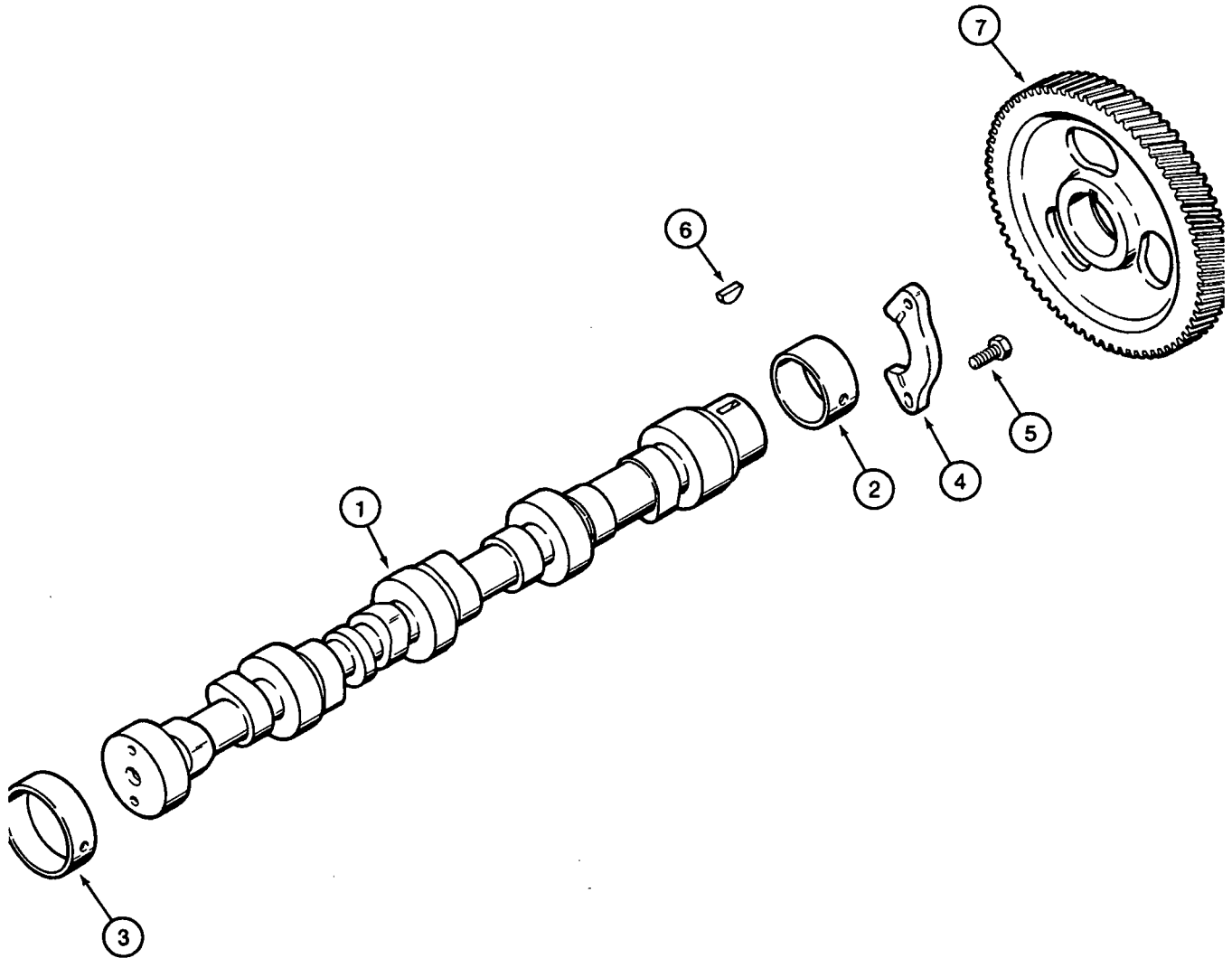
2-40



570LXT and 580L Series 2**2-41****CYLINDER HEAD AND VALVE MECHANISM
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	JR927330	HEAD ASSEMBLY - cylinder, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC927330	RETURN NUMBER - use this part number to return head for credit when using a remanufactured assembly	1
1	J927330	HEAD ASSEMBLY - cylinder, new, with valves	1
1	J917433	HEAD ASSEMBLY - cylinder, new, without valves	1
2	A77783	PLUG - expansion, 21 mm OD	3
3	217-466	PLUG - square socket headless, 1/2 inch PT, one removed to install temperature sending unit	5
4	J906619	PLUG - hex, 1/8 inch PT	2
5	J900250	KEEPER - valve	16
6	J900299	RETAINER - valve spring	8
7	J926700	SPRING - valve	8
8	J901097	SEAL - valve	4
8A	J921640	SEAL - valve	4
9	J920867	VALVE - intake	4
10	J920868	VALVE - exhaust	4
11	J280911	PAD - wear, service repair only for valve stem tip, for use on intake and exhaust valves	UAR
12	J906854	SEAT - insert, intake valve, service repair only	4
13	J904105	SEAT - insert, exhaust valve, service repair only	4
14	*J904408	GUIDE - valve, intake, service repair only, 14 mm OD	4
15	*J904409	GUIDE - valve, exhaust, service repair only, 14 mm OD	4
16	*J906206	GUIDE - valve, intake and exhaust, service repair only, 11 mm OD	8
17	J920779	BOLT - cylinder head, 70 mm long	4
17	J920780	BOLT - cylinder head, 120 mm long	10
18	J922488	SUPPORT AND SHAFT ASSEMBLY - rocker arm	4
19	J900242	RING - retaining, rocker arm	8
20	J900245	WASHER - thrust, rocker arm	8
21	J910811	ARM ASSEMBLY - rocker, intake	4
22	NSS	INSERT - rocker arm	1
23	J900706	SCREW - slotted set, adjusting, special	1
24	425-116	NUT - hex, 3/8 inch NF	1
25	J910810	ARM ASSEMBLY - rocker, exhaust	4
26	NSS	INSERT - rocker arm	1
27	J900706	SCREW - slotted set, adjusting, special	1
28	425-116	NUT - hex, 3/8 inch NF	1
29	814-8075	BOLT - hex, 8 - 1.25 x 75 mm	4
30	J920781	BOLT - rocker arm and cylinder head, 180 mm long	4
31	J923262	ROD - push, rocker arm	8
32	J931623	TAPPET - valve, push rod	8

*** NOTE:** These parts are semi-finished valve guides.



570LXT and 580L Series 2

2-43

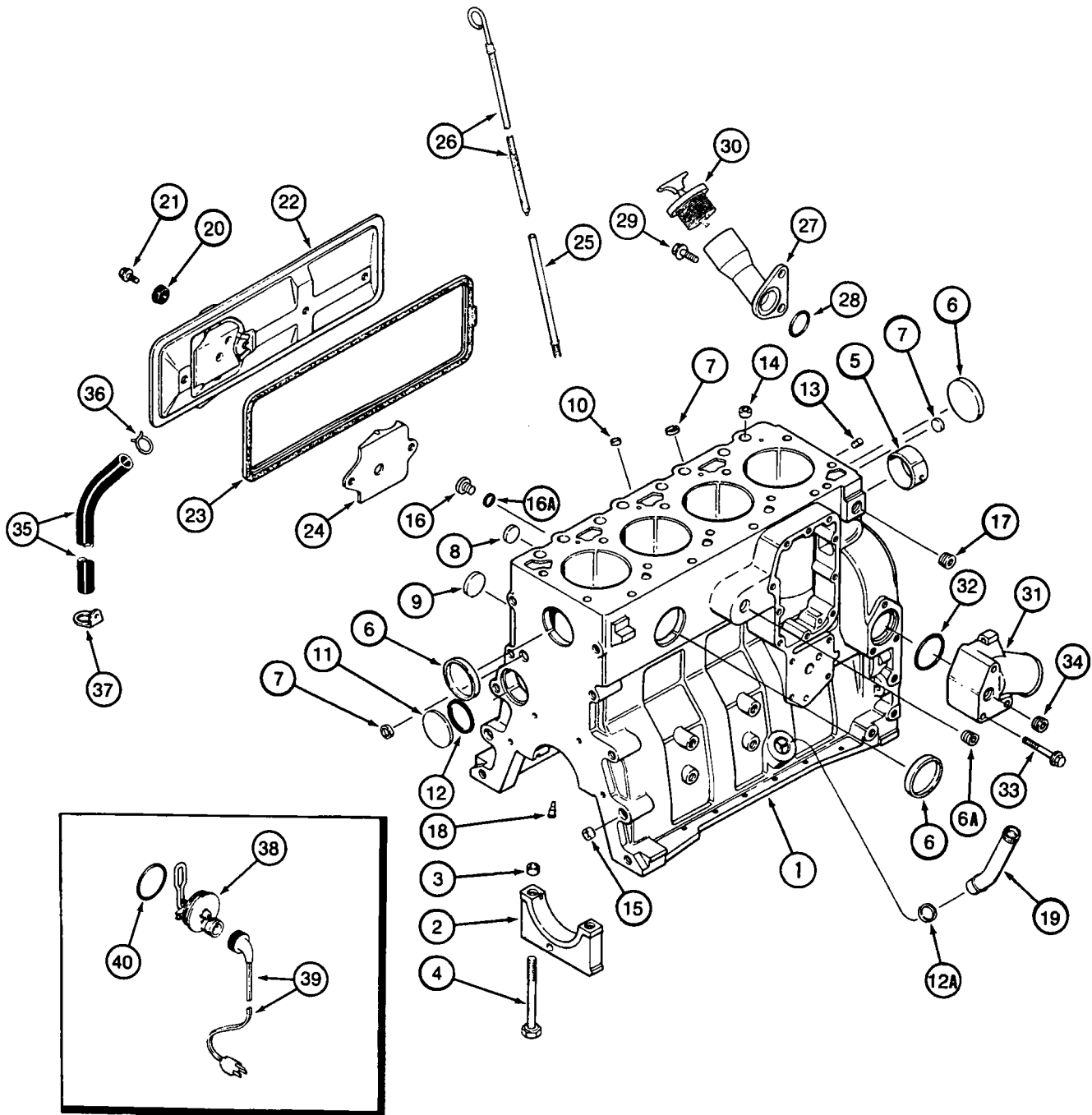
CAMSHAFT

**4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	J929039	CAMSHAFT - engine, used on 4-390 engine	1
1	J929885	CAMSHAFT - engine, used on 4T-390 engine	1
2	J940059	BUSHING - camshaft, front	1
3	*J903242	BUSHING - camshaft, intermediate and rear, service repair only	4
4	J927155	SUPPORT - thrust, camshaft.	1
5	J900227	BOLT - hex, special, 8 - 1.25 x 22 mm	2
6	836-4065	KEY - Woodruff, 4 x 6.5 mm, camshaft gear	1
7	J929030	GEAR - camshaft, used on 4-390 engine	1
7	J929028	GEAR - camshaft, used on 4T-390 engine	1

*** NOTE:** When the intermediate and rear cylinder block camshaft bores are reamed in engine repair, order and install item 3, J903242 bushings shown above.

2-44



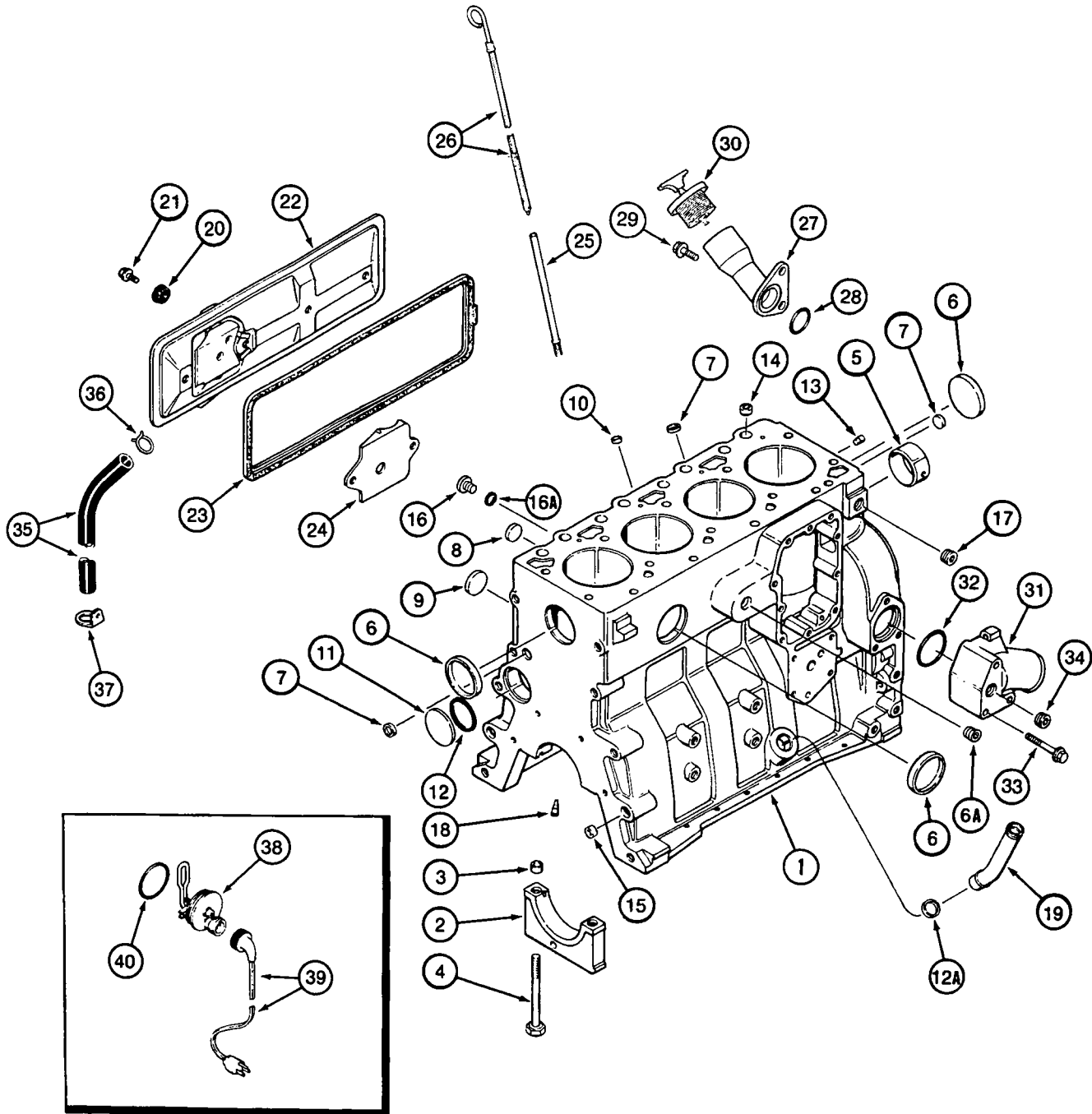
570LXT and 580L Series 2**2-45****CYLINDER BLOCK****4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	*256510A1	ENGINE ASSEMBLY - 4T-390 Emissions Certified, complete, for service order 234277A2 basic engine below	1
	234277A2R	ENGINE ASSEMBLY - basic, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	234277A1C	RETURN NUMBER - use this part number to return basic engine core for credit when using a remanufactured assembly	1
	234277A2	ENGINE ASSEMBLY - basic, includes all parts except starter, alternator, fan, fan belt, air cleaner, muffler, exhaust manifold, flywheel and housing, oil fill and dipstick, fuel injection pump, injectors and lines, front pulley, belt tensioner, turbocharger and aftercooler	1
	JR933648	BLOCK ASSEMBLY - short, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	AC77862	RETURN NUMBER - use this part number to return short block core for credit when using a remanufactured assembly	1
	J933648	BLOCK ASSEMBLY - short, new, includes stripped block, pistons, connecting rods and bearings, crankshaft and bearings	1
1	J932012	BLOCK ASSEMBLY - stripped, engine, order J933220 block hardware kit shown below also	1
2	J900967	CAP - main bearing.	5
3	J900068	RING - dowel, 18 mm OD, main bearing cap to block	10
4	J927948	BOLT - hex flange, main bearing cap, special	10
5	REF	BUSHING - camshaft front, see page 2-43, item 2.	1
6	A77782	PLUG - expansion, 58 mm OD.	1
6A	A77505	PLUG - hex socket, 3/4 inch PT	1
7	J900956	PLUG - expansion, 18 mm OD.	3
8	41-1616	PLUG - cup, 1 inch diameter, expansion	2
	J933220	KIT - block hardware, includes items 9 - 18.	1
9	J900958	PLUG - expansion, 32 mm OD.	2
10	J900955	PLUG - expansion, 10 mm OD.	1
11	172599	PLUG - expansion, Welch, 60 mm OD.	1
12	J926047	O-RING - sealing, 57 mm ID	1
12A	J920706	PLUG - expansion, 22 mm OD, not used in this application, item 19, J903744 turbocharger oil drain tube is installed in this port	1
13	J900257	PIN - dowel, 16 mm long, locating	2
14	J902343	RING - dowel, 16 mm OD	2
15	J900068	RING - dowel, 18 mm OD	2
16	J678923	PLUG - hex socket, 10 mm	3
16A	637-72081	O-RING - 8.1 ID x 1.6 mm wide, plug	1
17	A77429	PLUG - hex socket, 1/2 inch PT.	1
17A	**J678921	PLUG - hex socket, 14 mm, not shown	1
17B	**J678912	O-RING - sealing, not shown	1
17C	**J932296	PLUG - timing sensor hole, not shown.	1
17D	**J330478	O-RING - sealing, not shown	1
17E	**844-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm, not shown	1

***NOTE:** The engine part number is stamped on a metal tag which is mounted on the front gear cover.

****NOTE:** Items 17A - 17E are not used in this application.

Continued on next page



570LXT and 580L Series 2**2-47****CYLINDER BLOCK
4T-390 EMISSIONS CERTIFIED ENGINE**

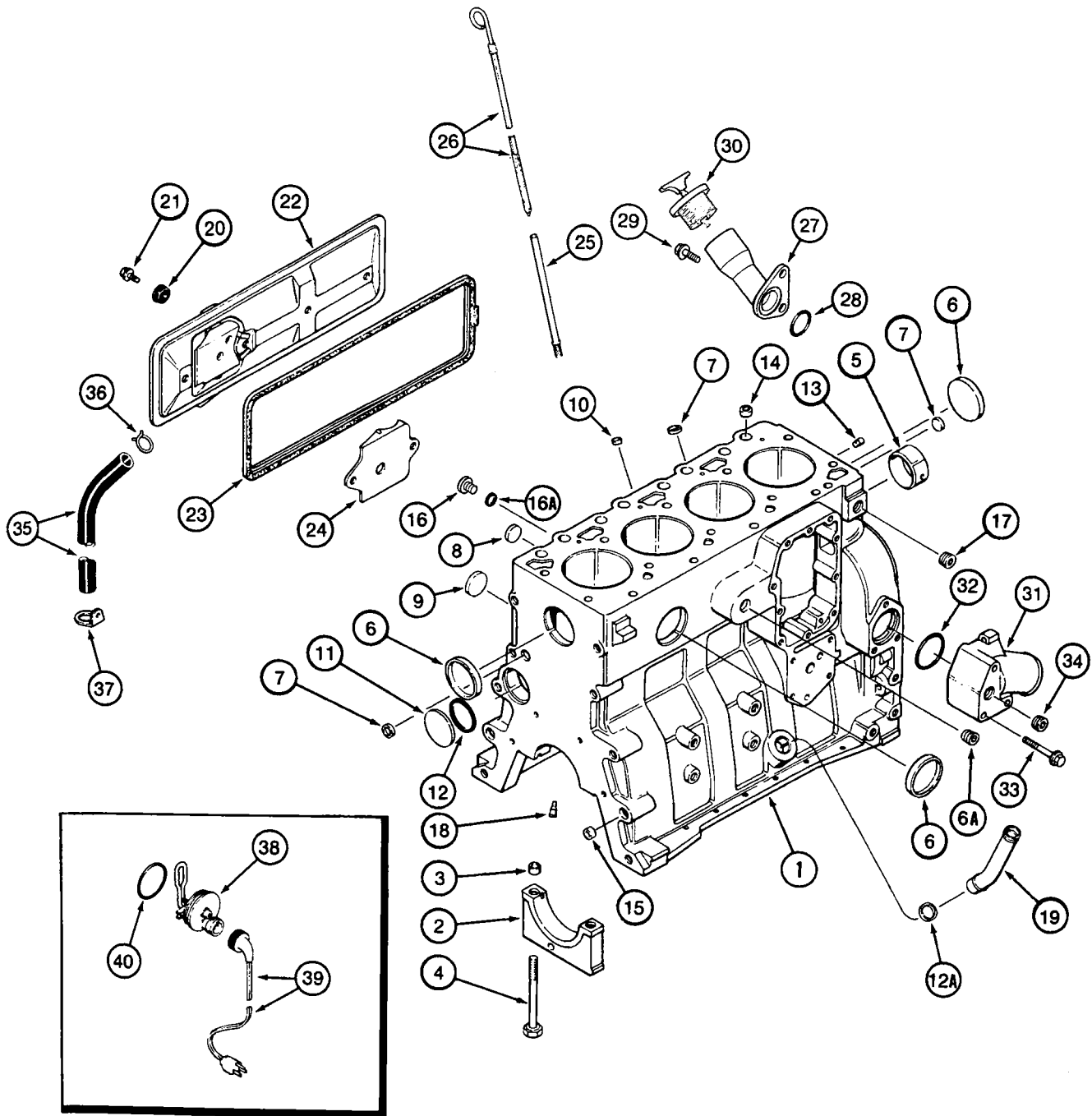
REF.	PART NO.	DESCRIPTION	REQ'D.
18	J930139	NOZZLE - piston cooling	4
19	J903744	TUBE - turbocharger oil drain	1
20	J928759	SEAL - cover bolt	4
21	845-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm	2
22	J925680	COVER - tappet	1
23	J283767	GASKET - tappet cover	1
24	J907586	BAFFLE - tappet cover	1
25	J905127	TUBE - dipstick	1
26	J904287	DIPSTICK - oil level gauge	1
27	J934190	TUBE - oil fill	1
28	J906696	O-RING - 38 mm (1-1/2 inch) ID	1
29	854-12025	BOLT - heavy hex flange, 12 - 1.75 x 25 mm, class 10.9	2
30	A77424	CAP - oil fill tube	1
31	J903102	CONNECTION - water inlet	1
32	J906697	O-RING - sealing, 50 mm ID	1
33	854-10075	BOLT - heavy hex flange, 10 - 1.5 x 75 mm, class 10.9	3
34	A77429	PLUG - hex socket, 1/2 inch PT	2
35	J918612	HOSE - 360 mm (14-3/16 inch) long, breather	1
36	J904230	CLAMP - spring, hose	1
37	J928989	CLIP - retaining	1

ENGINE BLOCK HEATER

	196803A1	KIT - engine block heater	1
38	NSS	ELEMENT - engine heater, 120 volt.	1
39	196466A1	CABLE - engine block heater	1
40	J910517	O-RING - heater sealing.	1

ENGINE OVERHAUL KIT

	A77887	KIT - engine overhaul, includes items 41 - 48, not shown	1
41	J802747	KIT - piston, standard, see page 2-57	4
42	J919053	PIN - piston, see page 2-57	4
43	A77465	KIT - bearing, upper and lower set, standard, see page 2-57	4
44	A77405	BEARING - main, upper and lower set, standard, see page 2-53	4
45	A77406	BEARING - main thrust, upper and lower set, standard, see page 2-53	1
46	A77870	KIT - gasket, valve grind, see page 2-61	1
47	J283333	GASKET - head, standard, see page 2-37.	1
48	A77673	KIT - gasket, oil pan, see page 2-35	1



570LXT and 580L Series 2**2-49****CYLINDER BLOCK****4-390 EMISSIONS CERTIFIED ENGINE**

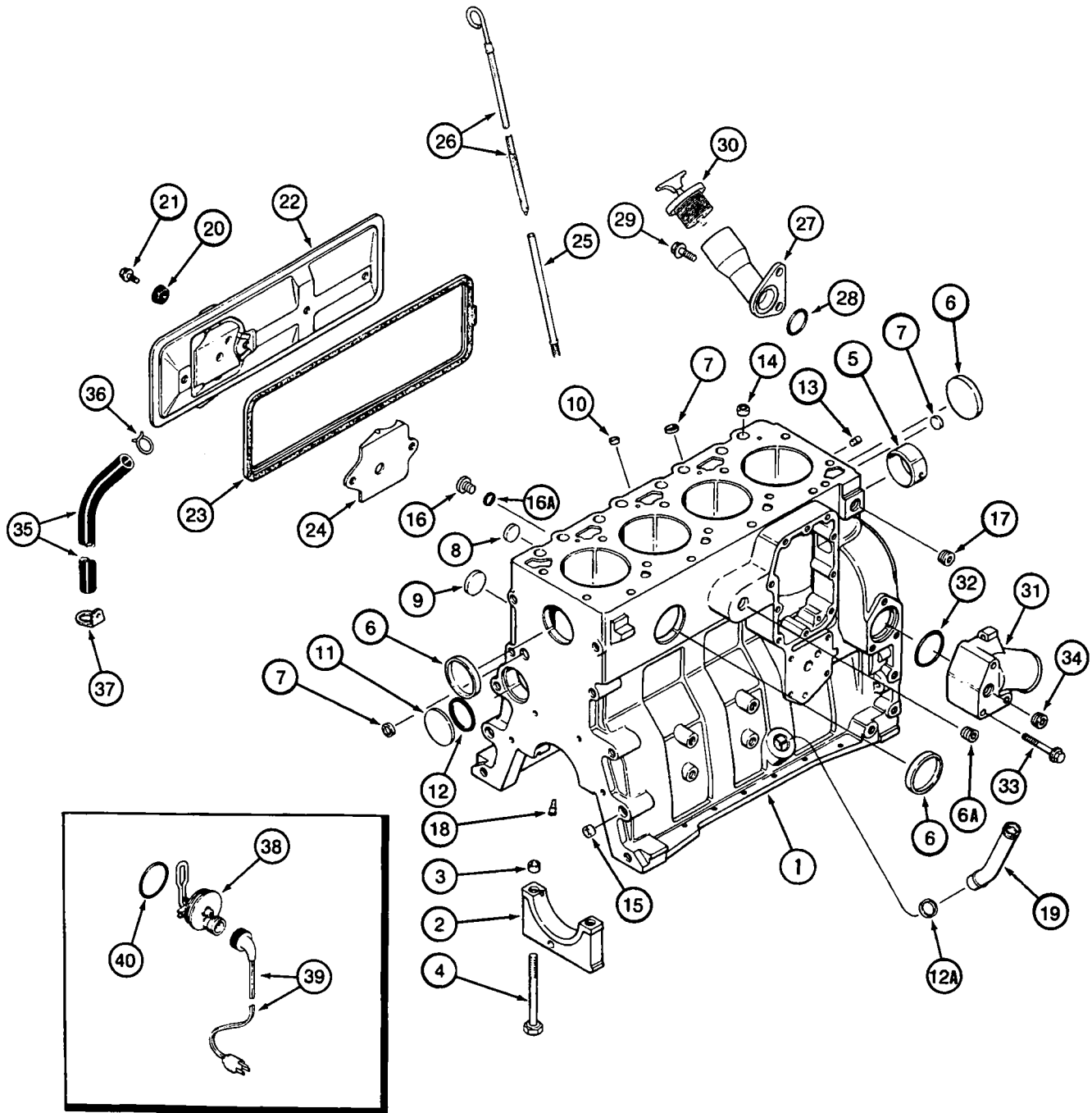
REF.	PART NO.	DESCRIPTION	REQ'D.
	*236302A1	ENGINE ASSEMBLY - 4-390 Emissions Certified, complete, for service order 302562A1 basic engine below	1
	302562A1R	ENGINE ASSEMBLY - basic, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	302562A1C	RETURN NUMBER - use this part number to return basic engine core for credit when using a remanufactured assembly	1
	302562A1	ENGINE ASSEMBLY - basic, includes all parts except starter, alternator, fan, fan belt, air cleaner, muffler, exhaust manifold, flywheel and housing, oil fill and dipstick, fuel injection pump, injectors and lines, front pulley and belt tensioner	1
	JR933649	BLOCK ASSEMBLY - short, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC933649	RETURN NUMBER - use this part number to return short block core for credit when using a remanufactured assembly	1
	J933649	BLOCK ASSEMBLY - short, new, includes stripped block, pistons, connecting rods and bearings, crankshaft and bearings	1
1	J932012	BLOCK ASSEMBLY - stripped, engine, order J933220 block hardware kit shown below also	1
2	J900967	CAP - main bearing.	5
3	J900068	RING - dowel, 18 mm OD, main bearing cap to block	10
4	J927948	BOLT - hex flange, main bearing cap, special	10
5	REF	BUSHING - camshaft front, see page 2-43, item 2.	1
6	A77782	PLUG - expansion, 58 mm OD.	1
6A	A77505	PLUG - hex socket, 3/4 inch PT	1
7	J900956	PLUG - expansion, 18 mm OD.	3
8	41-1616	PLUG - cup, 1 inch diameter, expansion	2
	J933220	KIT - block hardware, includes items 9 - 18.	1
9	J900958	PLUG - expansion, 32 mm OD.	2
10	J900955	PLUG - expansion, 10 mm OD.	1
11	172599	PLUG - expansion, Welch, 60 mm OD.	1
12	J926047	O-RING - sealing, 57 mm ID	1
12A	J920706	PLUG - expansion, 22 mm OD.	1
13	J900257	PIN - dowel, 16 mm long, locating	2
14	J902343	RING - dowel, 16 mm OD	2
15	J900068	RING - dowel, 18 mm OD	2
16	J678923	PLUG - hex socket, 10 mm	3
16A	637-72081	O-RING - 8.1 ID x 1.6 mm wide, plug	1
17	A77429	PLUG - hex socket, 1/2 inch PT	1
17A	**J678921	PLUG - hex socket, 14 mm, not shown	1
17B	**J678912	O-RING - sealing, not shown	1
17C	**J932296	PLUG - timing sensor hole, not shown.	1
17D	**J330478	O-RING - sealing, not shown	1
17E	**844-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm, not shown	1

* **NOTE:** The engine part number is stamped on a metal tag which is mounted on the front gear cover.

** **NOTE:** Items 17A - 17E are not used in this application.

Continued on next page

2-50



570LXT and 580L Series 2**2-51****CYLINDER BLOCK
4-390 EMISSIONS CERTIFIED ENGINE**

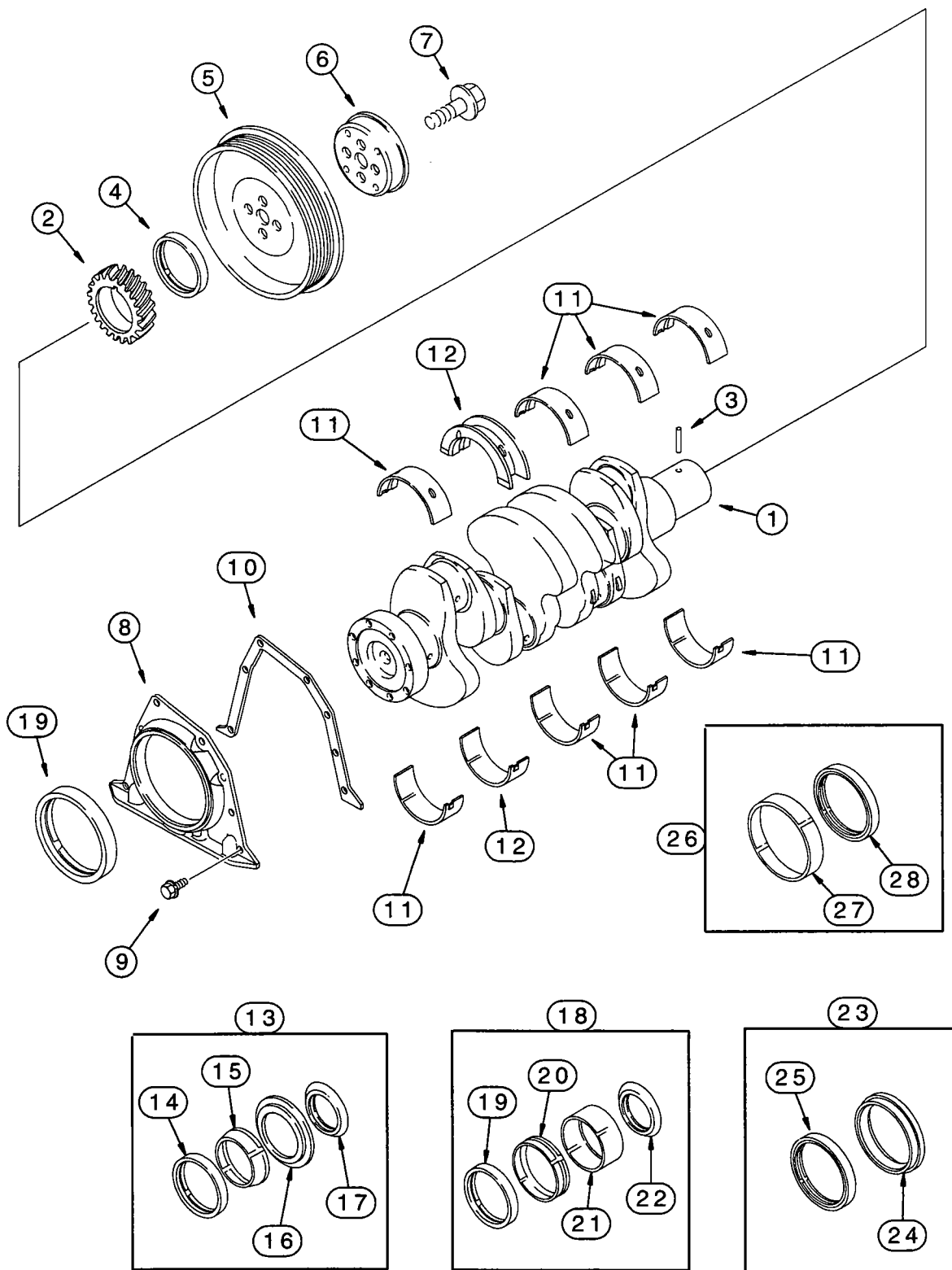
REF.	PART NO.	DESCRIPTION	REQ'D.
18	J930139	NOZZLE - piston cooling	4
19	J903744	TUBE - turbocharger oil drain, not used in this application, item 12A plug is installed in this port	1
20	J928759	SEAL - cover bolt	4
21	845-8016	BOLT - heavy hex flange, 8 - 1.25 x 16 mm	2
22	J925680	COVER - tappet	1
23	J283767	GASKET - tappet cover	1
24	J907586	BAFFLE - tappet cover	1
25	J905127	TUBE - dipstick	1
26	J904287	DIPSTICK - oil level gauge	1
27	J934190	TUBE - oil fill	1
28	J906696	O-RING - 38 mm (1-1/2 inch) ID	1
29	854-12025	BOLT - heavy hex flange, 12 - 1.75 x 25 mm, class 10.9	2
30	A77424	CAP - oil fill tube	1
31	J903102	CONNECTION - water inlet	1
32	J906697	O-RING - sealing, 50 mm ID	1
33	854-10075	BOLT - heavy hex flange, 10 - 1.5 x 75 mm, class 10.9	3
34	A77429	PLUG - hex socket, 1/2 inch PT	2
35	J918612	HOSE - 360 mm (14-3/16 inch) long, breather	1
36	J904230	CLAMP - spring, hose	1
37	J928989	CLIP - retaining	1

ENGINE BLOCK HEATER

	196803A1	KIT - engine block heater	1
38	NSS	ELEMENT - engine heater, 120 volt.	1
39	196466A1	CABLE - engine block heater	1
40	J910517	O-RING - heater sealing	1

ENGINE OVERHAUL KIT

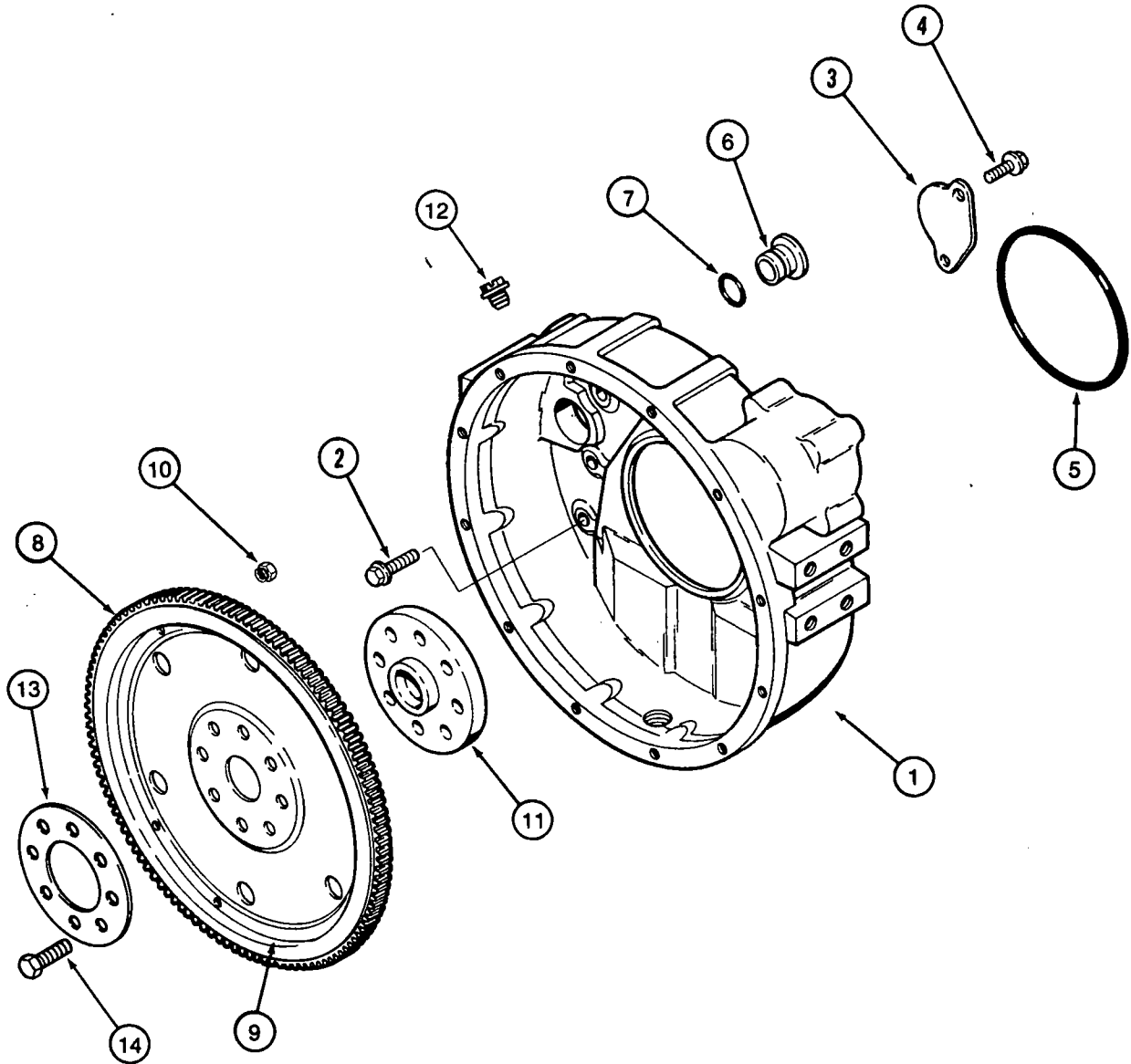
	A77893	KIT - engine overhaul, includes items 41 - 48, not shown	1
41	J804980	KIT - piston, standard, see page 2-59	4
42	J919053	PIN - piston, see page 2-59	4
43	A77894	KIT - bearing, upper and lower set, standard, see page 2-59	4
44	J804940	BEARING - main, upper and lower set, standard, see page 2-53	4
45	A77895	BEARING - main thrust, upper and lower set, standard, see page 2-53	1
46	A77870	KIT - gasket, valve grind, see page 2-61	1
47	J283333	GASKET - head, standard, see page 2-37.	1
48	A77673	KIT - gasket, oil pan, see page 2-35	1



570LXT and 580L Series 2**2-53****CRANKSHAFT****4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	JR908031	CRANKSHAFT - engine, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly, for service order J908031 crankshaft assembly, item 1	1
	JC908031	RETURN NUMBER - use this part number to return crankshaft for credit when using a remanufactured assembly	1
1	J908031	CRANKSHAFT ASSEMBLY - engine	1
2	J929027	GEAR - crankshaft	1
3	J904483	PIN - dowel	1
4	NSS	SEAL - oil, crankshaft front, order item 13, A77889 kit	1
5	J914494	PULLEY - crankshaft vibration damper	1
6	J905820	FLANGE - adapter, pulley	1
7	J903857	BOLT - hex flange, special, 12 - 1.25 x 36 mm	4
8	J921043	RETAINER - seal, rear cover	1
9	845-6015	BOLT - heavy hex flange, 6 - 1.0 x 15 mm	6
10	J928493	GASKET - rear cover retainer	1
11	J804940	BEARING - main, upper and lower set, standard, 4-390 Engine	4
11	A77405	BEARING - main, upper and lower set, standard, 4T-390 Engine	4
11	A77472	BEARING - main, upper and lower set, 0.25 mm undersize	4
11	A77474	BEARING - main, upper and lower set, 0.50 mm undersize	4
11	A77476	BEARING - main, upper and lower set, 0.75 mm undersize	4
11	A77478	BEARING - main, upper and lower set, 1.00 mm undersize	4
12	A77895	BEARING - main thrust, upper and lower set, standard, 4-390 Engine	1
12	A77406	BEARING - main thrust, upper and lower set, standard, 4T-390 Engine	1
12	A77473	BEARING - main thrust, upper and lower set, 0.25 mm undersize	1
12	A77475	BEARING - main thrust, upper and lower set, 0.50 mm undersize	1
12	A77477	BEARING - main thrust, upper and lower set, 0.75 mm undersize	1
12	A77479	BEARING - main thrust, upper and lower set, 1.00 mm undersize	1
12	A77841	BEARING - main thrust, upper and lower set, 0.50 mm undersize, 0.50 mm oversize thrust	1
12	A77840	BEARING - main thrust, upper and lower set, 1.00 mm undersize, 1.00 mm oversize thrust	1
13	A77889	KIT - oil seal, crankshaft front	1
14	NSS	SEAL - oil, front	1
15	NSS	TOOL - installation	1
16	NSS	TOOL - installation	1
17	NSS	SHIELD - dust	1
18	A77890	KIT - oil seal, crankshaft front, includes wear sleeve	1
19	NSS	SEAL - oil, front	1
20	NSS	SLEEVE - wear, not shown	1
21	NSS	TOOL - installation	1
22	NSS	SHIELD - dust	1
23	A77809	KIT - oil seal, crankshaft rear	1
24	NSS	TOOL - installation	1
25	NSS	SEAL - oil, rear	1
26	A77810	KIT - oil seal, crankshaft rear, includes wear sleeve	1
27	NSS	SLEEVE - wear	1
28	NSS	SEAL - oil, rear	1

2-54



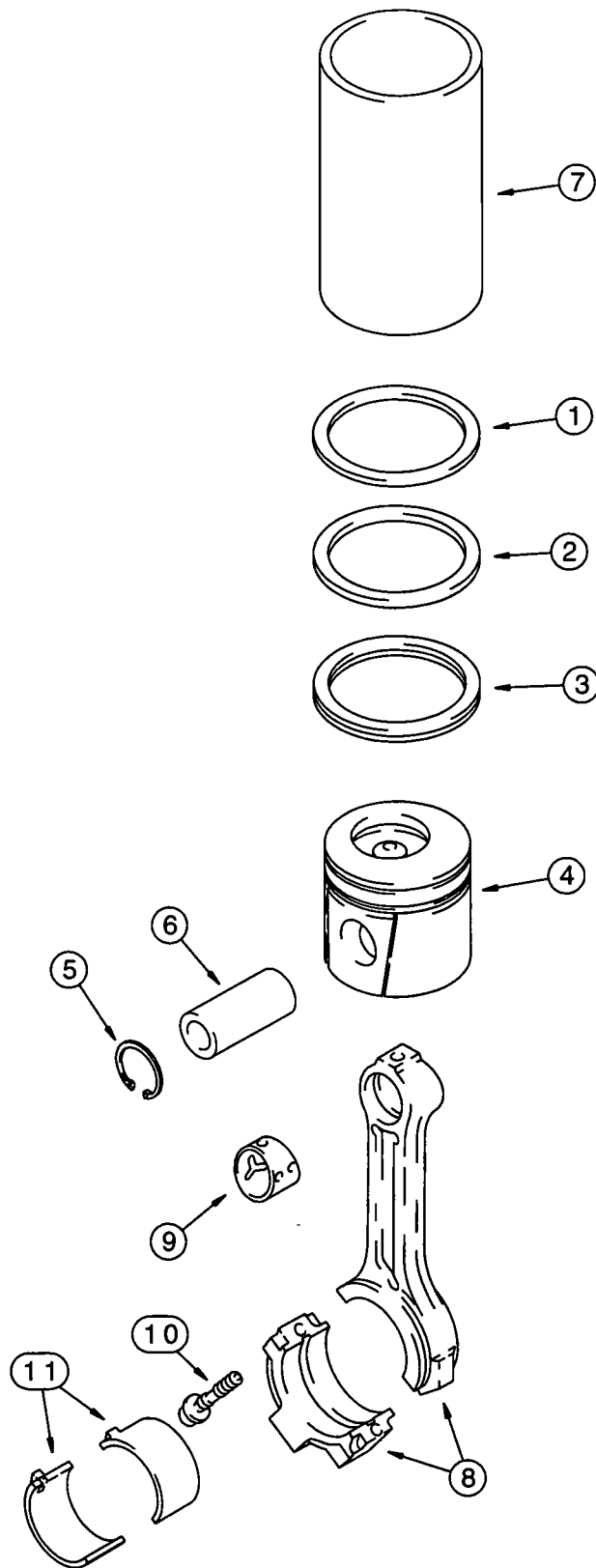
570LXT and 580L Series 2

2-55

FLYWHEEL AND HOUSING
4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	J930886	HOUSING - flywheel	1
2	854-12040	BOLT - heavy hex flange, 12 - 1.75 x 40 mm, class 10.9	8
3	J925234	PLATE - cover	1
4	613-8016	BOLT - hex, 8 - 1.25 x 16 mm, plate retaining	2
5	J912473	O-RING - flywheel housing to block.	1
6	J910248	PLUG - flywheel housing	1
7	238-5212	O-RING - 7/8 ID x 1/8 inch wide, sealing.	1
	J922595	PLATE ASSEMBLY - flex	1
8	NSS	GEAR - ring, flywheel	1
9	NSS	PLATE - flex	1
10	NSS	NUT - sealing	6
11	J913689	ADAPTER - crankshaft	1
12	353-225	PLUG - slotted hex, 3/4 inch NF	1
13	J904361	RING - clamping	1
14	J901395	BOLT - hex, special, 12 - 1.25 x 32 mm	8

2-56



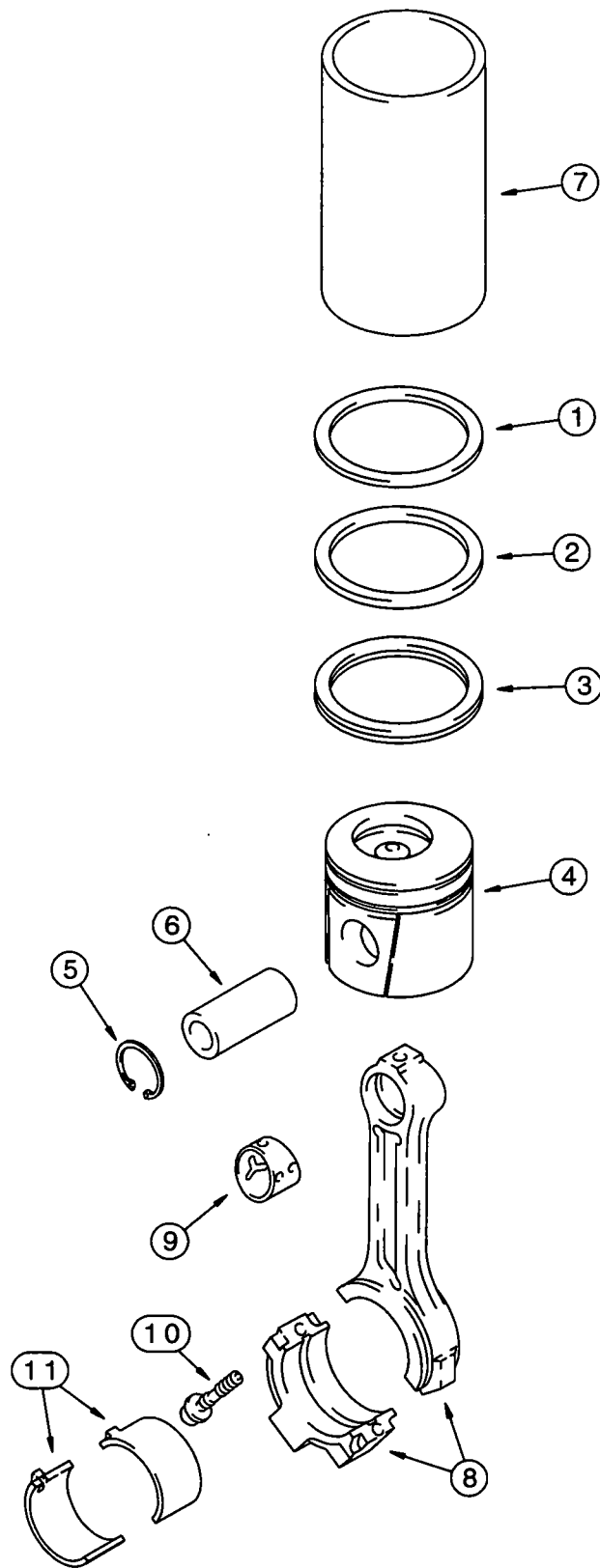
570LXT and 580L Series 2**2-57****PISTONS AND CONNECTING RODS****4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
PISTONS			
	J802747	KIT - piston, standard	4
	J802746	KIT - ring, standard	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, standard	1
5	J901706	RING - snap	2
6	J919053	PIN - piston	1
	J802764	KIT - piston, 0.5 mm oversize	4
	J802422	KIT - ring, 0.5 mm oversize	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, 0.5 mm oversize	1
5	J901706	RING - snap	2
6	J919053	PIN - piston	1
	J802765	KIT - piston, 1.0 mm oversize	1
	J802423	KIT - ring, 1.0 mm oversize	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, 1.0 mm oversize	1
5	J901706	RING - snap	2
6	J919053	PIN - piston	1
7	J904166	LINER - piston, used only in engine block repair (When liner is installed, use J802747 standard piston kit).	UAR

CONNECTING RODS

	JR942581	ROD ASSEMBLY - connecting, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC901569	RETURN NUMBER - use this part number to return connecting rod for credit when using a remanufactured assembly	1
	J942581	ROD ASSEMBLY - connecting, new, includes both halves	4
8	NSS	ROD - connecting	1
9	J941476	BUSHING - connecting rod	1
10	J900919	BOLT - hex, special	2
11	A77465	KIT - bearing, upper and lower set, standard	4
11	A77466	KIT - bearing, upper and lower set, 0.25 mm oversize	4
11	A77467	KIT - bearing, upper and lower set, 0.50 mm oversize	4
11	A77468	KIT - bearing, upper and lower set, 0.75 mm oversize	4
11	A77469	KIT - bearing, upper and lower set, 1.00 mm oversize	4

2-58



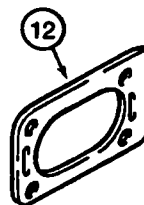
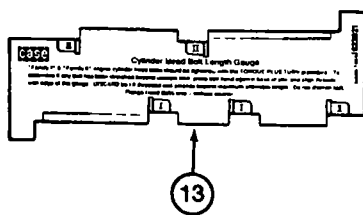
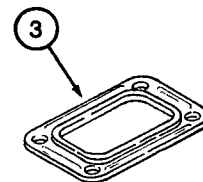
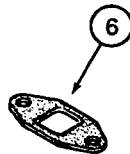
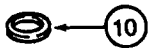
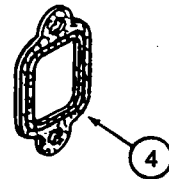
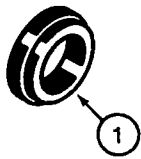
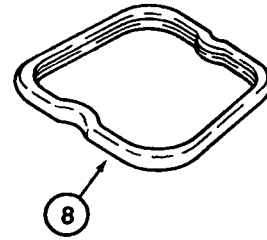
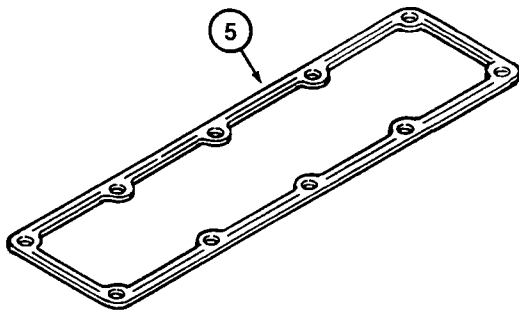
570LXT and 580L Series 2
2-59
PISTONS AND CONNECTING RODS
4-390 EMISSIONS CERTIFIED ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D.
PISTONS			
	J804980	KIT - piston, standard	4
	J804930	KIT - ring, standard	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, standard	1
5	J901706	RING - snap	2
6	J919053	PIN - piston	1
	J804981	KIT - piston, 0.5 mm oversize	4
	J804931	KIT - ring, 0.5 mm oversize	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, 0.5 mm oversize	1
5	J901706	RING - snap	2
6	J919053	PIN - piston	1
	J804982	KIT - piston, 1.0 mm oversize	4
	J804932	KIT - ring, 1.0 mm oversize	1
1	NSS	RING - compression, top	1
2	NSS	RING - compression, middle	1
3	NSS	RING - oil, bottom	1
4	NSS	PISTON - cylinder, 1.0 mm oversize	1
5	J901706	RING - snap	2
6	J919053	PIN - piston	1
7	J904166	LINER - piston, used only in engine block repair (When liner is installed, use J804980 standard piston kit)	UAR

CONNECTING RODS

	JR942581	ROD ASSEMBLY - connecting, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly	1
	JC901569	RETURN NUMBER - use this part number to return connecting rod for credit when using a remanufactured assembly	1
	J942581	ROD ASSEMBLY - connecting, new, includes both halves	4
8	NSS	ROD - connecting	1
9	J941476	BUSHING - connecting rod	1
10	J900919	BOLT - hex, special	2
11	A77894	KIT - bearing, upper and lower set, standard	4
11	A77466	KIT - bearing, upper and lower set, 0.25 mm oversize	4
11	A77467	KIT - bearing, upper and lower set, 0.50 mm oversize	4
11	A77468	KIT - bearing, upper and lower set, 0.75 mm oversize	4
11	A77469	KIT - bearing, upper and lower set, 1.00 mm oversize	4

2-60



570LXT and 580L Series 2

2-61

GASKET KIT

4-390 EMISSIONS CERTIFIED ENGINE

4T-390 EMISSIONS CERTIFIED ENGINE

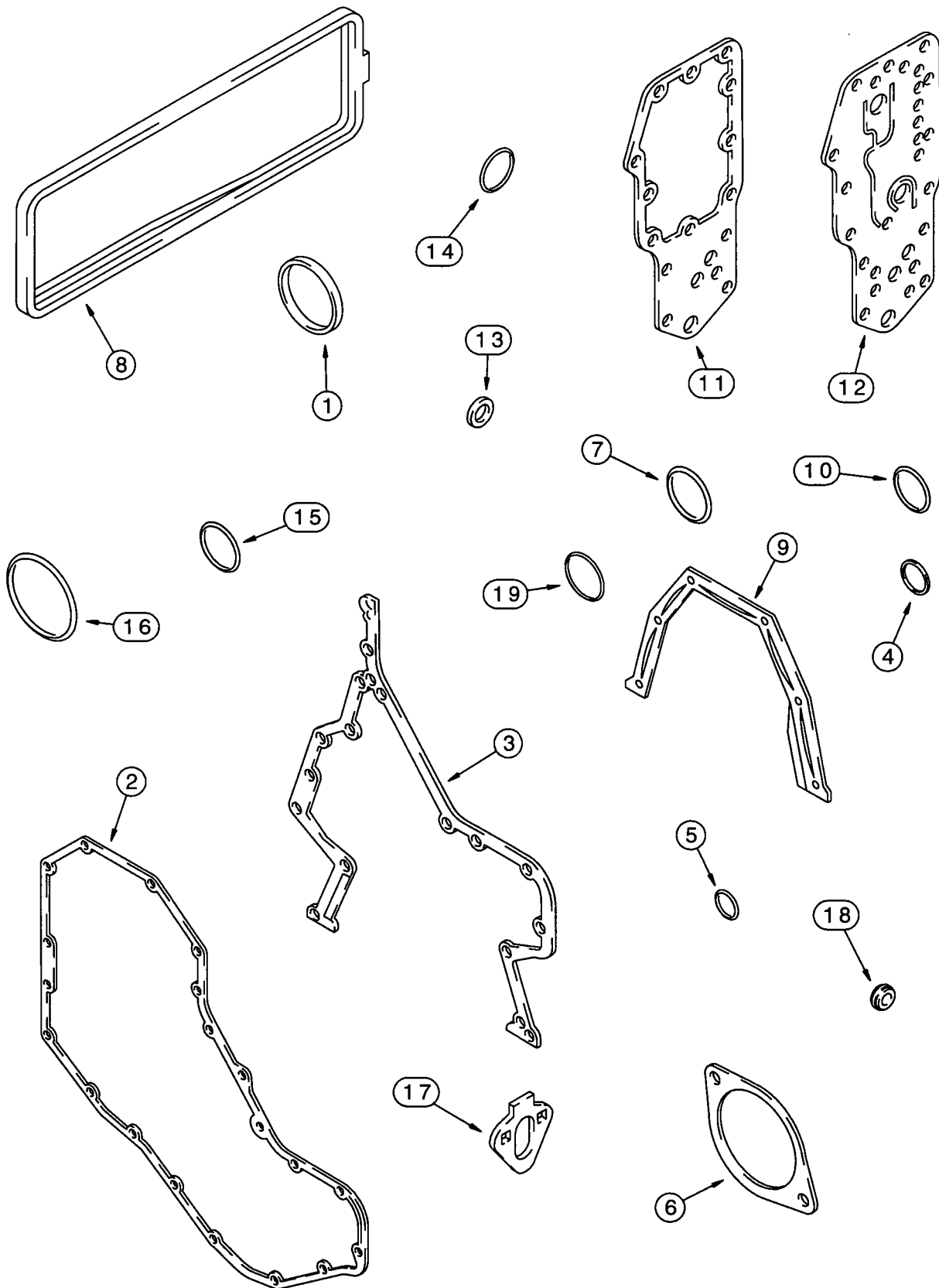
REF.	PART NO.	DESCRIPTION	REQ'D.

VALVE GRIND

	*A77870	KIT - gasket, valve grind	1
1	J923331	GASKET - thermostat housing	1
2	J901097	SEAL - valve, intake, identified by color black with orange band	4
2	J921640	SEAL - valve, identified by color orange with silver band	4
3	J919369	GASKET - turbocharger to manifold	1
4	J905443	GASKET - exhaust manifold	4
5	J931605	GASKET - intake manifold	1
6	J931350	GASKET - turbo oil drain tube	1
8	J930906	SEAL - rocker arm cover	4
9	J903380	SEAL - connector, fuel drain manifold tube	4
10	J906659	SEAL - injector nozzle, 7 mm injector tip	4
11	J909356	O-RING - sealing, body to nut	4
12	J914856	GASKET - air crossover connection	1
13	J823921	GAUGE - cylinder head, bolt length	1
15	J928406	ISOLATOR - noise, rocker arm cover	4

***NOTE:** When just the valve grind gasket kit is used, also order the required cylinder head gasket, item 2, page 2-37.

2-62



570LXT and 580L Series 2

2-63

GASKET KIT

**4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.

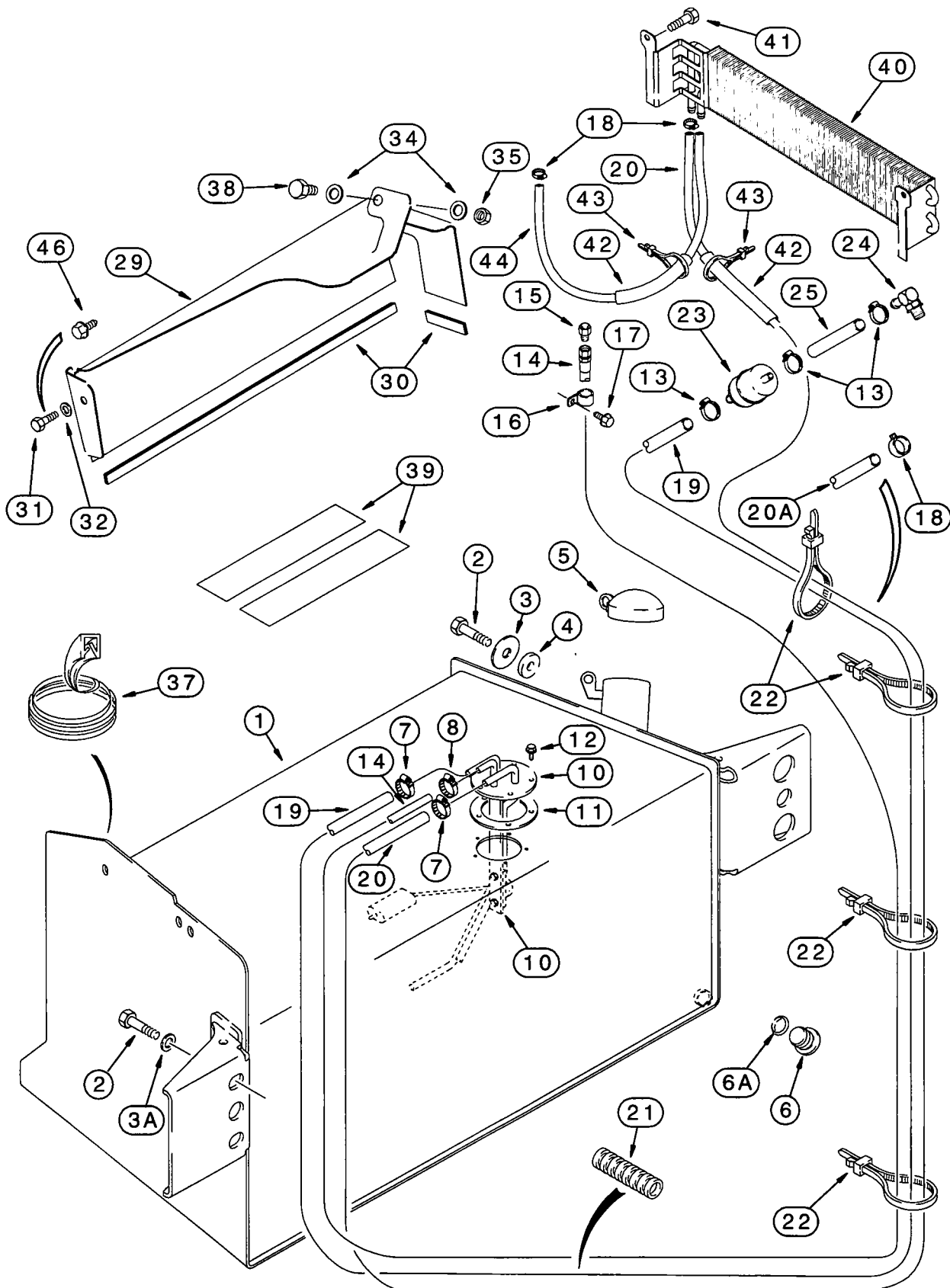
CYLINDER BLOCK

	*A77864	KIT - gasket, cylinder block	1
1	J903475	SEAL - front access cover	1
2	J918673	GASKET - front cover, to housing	1
3	J931351	GASKET - gear housing, timing	1
4	J915772	RING - quad, timing pin housing	1
5	J913994	O-RING - sealing, timing pin	1
6	J929751	GASKET - access cover plate, accessory drive.	1
7	238-5341	O-RING - 3-1/2 ID x 3/16 inch wide, water pump to cylinder block	1
8	J283767	GASKET - tappet cover	1
9	J928493	GASKET - rear cover retainer, crankshaft	1
10	J906697	O-RING - sealing, 50 mm ID, water inlet connection	1
11	J942914	GASKET - oil cooler core	1
12	J929792	GASKET - filter head, oil	1
13	J902425	WASHER - sealing, plug, oil pan	1
14	J906696	O-RING - 38 mm (1-1/2 inch) ID, engine oil fill tube.	1
15	J929457	O-RING - oil filter plug	1
16	J912473	O-RING - flywheel housing to block	1
17	J931348	GASKET - mounting, fuel transfer pump	1
18	J928759	SEAL - cover bolt	4
19	J930993	O-RING - sealing	1

*** NOTE:** For complete engine overhaul, order 1 - cylinder block kit, 1 - valve grind kit on page 2-61, 1 - oil pan kit on page 2-35, 1 - front and rear crankshaft seal kit on page 2-53 and the required cylinder head gasket on page 2-37.

**ALPHABETICAL INDEX
FUEL SYSTEM**

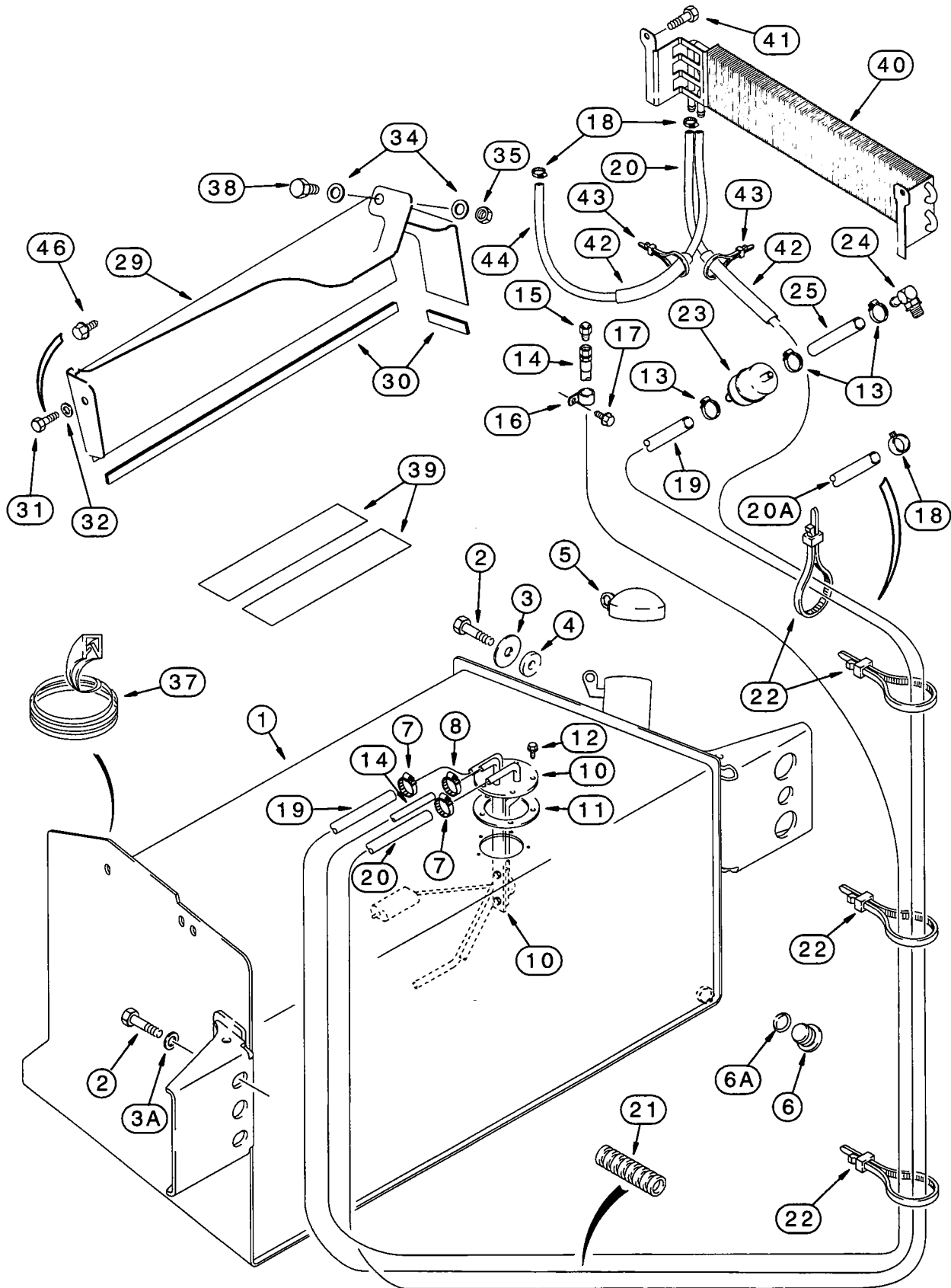
DESCRIPTION	PAGE
Filter.....	3-13
Fuel Cooler.....	3-5
Fuel Reservoir	3-3,3-5
Fuel Reservoir Lines.....	3-3,3-5
Injection System	3-11
Nozzle - Injection	3-19,3-21
Pump and Drive - Injection	3-15,3-17
Sensor - Fuel Level	3-3,3-5
Throttle Control Linkage	
Foot Controls	3-9
Hand Control	3-7



570LXT and 580L Series 2
3-3
FUEL RESERVOIR AND FUEL LEVEL SENSOR

REF.	PART NO.	DESCRIPTION	REQ'D.
1	284041A3	TANK - fuel reservoir, 31 gallon, includes left-hand steps, mounts to left-hand side of chassis, also includes Ref 6 plug	1
1A	281819A4	TANK - fuel reservoir, 40 gallon, optional, includes left-hand steps, mounts to left-hand side of chassis, includes Ref 6 plug, if used, not shown	1
2	627-20040	BOLT - hex, full threads, 20 - 2.5 x 40 mm, class 10.9	4
3	302358A1	WASHER - flat, hardened, special.	2
3A	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	2
4	185926A1	SPACER - bushing, left-hand side of tank.	2
5	130049A1	CAP - fuel tank, non-vented.	1
6	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss, drain, included with Ref 1 or 1A fuel tank	1
6A	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
7	214-1708	CLAMP - adj, 1/2 - 29/32 inch dia	2
8	214-1704	CLAMP - adj, 1/4 - 5/8 inch dia, center hose	1
10	284431A1	SENSOR - fuel level, includes grounding nut, lock washer and flat washer, 31 gallon tank, Ref 1	1
10	298463A1	SENSOR - fuel level, includes grounding nut, lock washer and flat washer, 40 gallon tank, Ref 1A	1
11	188311A2	GASKET - fuel sensor	1
12	D75465	SCREW - self-tapping, hex washer head, special, No. 10 NF x 5/8 inch	4
13	196252A1	CLAMP - hose	3
14	234892A1	HOSE - 1100 mm (43-5/16 inch) long, vent.	1
15	130047A1	VENT - fuel, 1/4 inch PTF short.	1
16	515-23127	CLAMP - P-type, 1/2 inch ID	1
17	121856A1	BOLT - hex washer, special, 10 - 1.5 x 30 mm	1
18	1348264C1	CLAMP - hose, 3/8 inch.	1-3
19	234888A1	HOSE - 1280 mm (50-7/16 inch) long, fuel supply, to fuel lift pump	1
20	244552A1	HOSE - 2550 mm (100-7/16 inch) long, fuel return, fuel cooler to tank, models without turbocharged engine.	1
20A	284452A2	HOSE - 1900 mm (74-13/16 inch) long, fuel return, attaches to injector return line on engine, models with turbocharged engine, without air conditioning	1
21	130048A1	SLEEVE - 203 mm (8 inch) long, fuel line hose guard	1
22	L18337	STRAP - tie, 15 inch, nylon, retaining	UAR
23	194199A1	FILTER - fuel, in-line	1
24	217-372	ELBOW - 90 degree, 1/2 stem end x 1/4 inch PT, to engine fuel lift pump	1
25	196247A1	HOSE - 13 (1/2) x 20 (25/32) x 78 mm (3-5/64 inch) long, fuel filter to lift pump	1
29	189602A2	COVER - left-hand loader lift frame tubing, mounted above fuel reservoir, models without clam bucket or auxiliary hydraulics, replaces 189602A1 cover.	1
29A	188009A2	COVER - left-hand loader lift frame tubing, mounted above fuel reservoir, models with clam bucket, not shown, replaces 188009A1 cover	1

Continued on next page



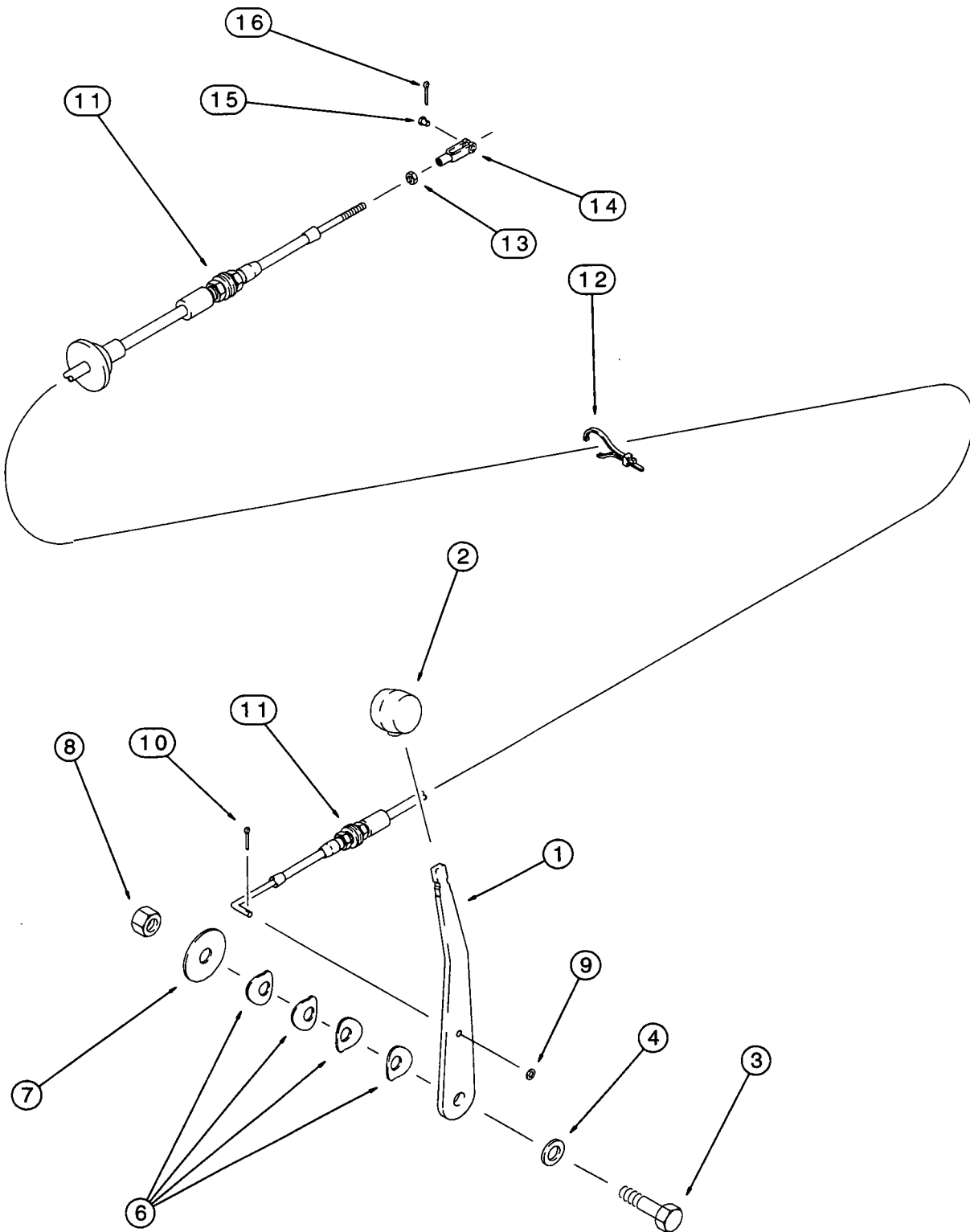
570LXT and 580L Series 2
3-5
FUEL RESERVOIR AND FUEL LEVEL SENSOR

REF.	PART NO.	DESCRIPTION	REQ'D.
30	*191046A1	TRIM - edge, 650 mm (25-19/32 inch) long, cut from A165860 bulk trim	1
31	614-8016	BOLT - hex, full threads, 8 - 1.25 x 16 mm, if used	1
32	895-15008	WASHER - flat, 9 x 20 x 1.6 mm, if used	1
34	895-11010	WASHER - flat, 11 x 20 x 2 mm	1-2
35	829-1410	NUT - hex, 10 mm - 1.5, class 10.9, 189602A1 cover	1
37	D40442	TRIM - edge, 305 mm (12 inch) long, cut from F42827 bulk trim	1
38	814-10045	BOLT - hex, 10 - 1.5 x 45 mm, used with 188009A2 cover on models with three spool valve	1
38	614-10020	BOLT - hex, full threads, 10 - 1.5 x 20 mm, used with 189602A2 cover on models with two spool valve	1
39	307348A1	PAD - anti-skid, 700 mm (27-9/16 inch) long	2
40	**241685A1	COOLER - fuel	1
41	**614-8016	BOLT - hex, full threads, 8 - 1.25 x 16 mm	2
42	**143219A1	GUARD - hose sleeve	2
43	**L18337	STRAP - tie, 15 inch	4
44	**303922A1	HOSE - 1225 mm (48-1/4 inch) long, injection pump to fuel cooler	1
46	307577A1	BOLT - hex washer, self-aligning, 8 - 1.25 x 20 mm	1
	A165860	TRIM - edge, bulk, 696 mm (27-3/8 inch) long	1
	F42827	TRIM - edge, bulk, 2946 mm (116 inch) long	UAR

*** NOTE:** Apply 75 mm (3 inch) of trim to front lower edge and 570 mm (22-7/16 inch) of trim to outside lower edge of cover.

**** NOTE:** Reference items 40 through 44 are used on models without turbocharged engine.

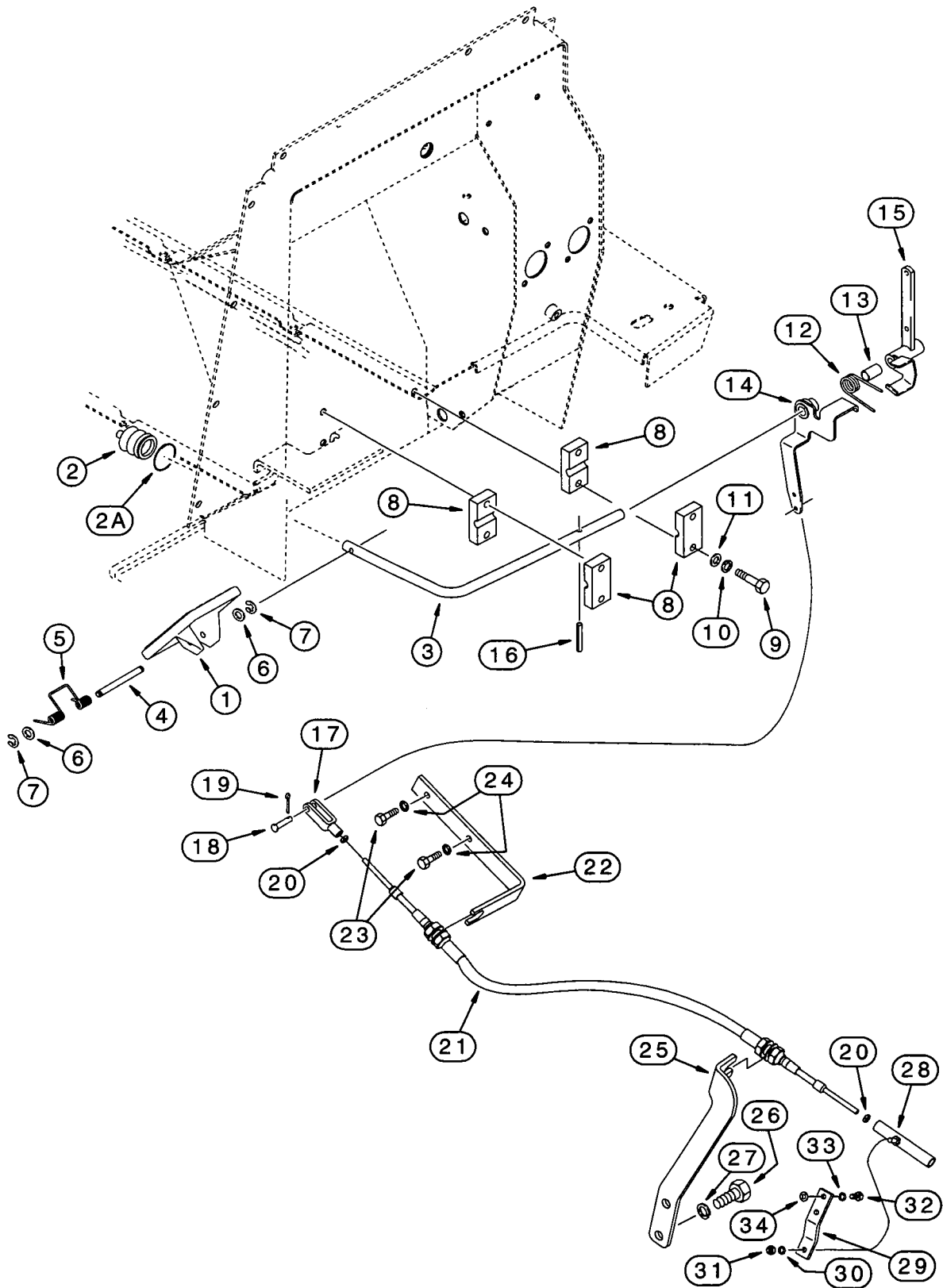
3-6



570LXT and 580L Series 2
THROTTLE CONTROL LINKAGE
HAND CONTROL
580L MODELS

3-7

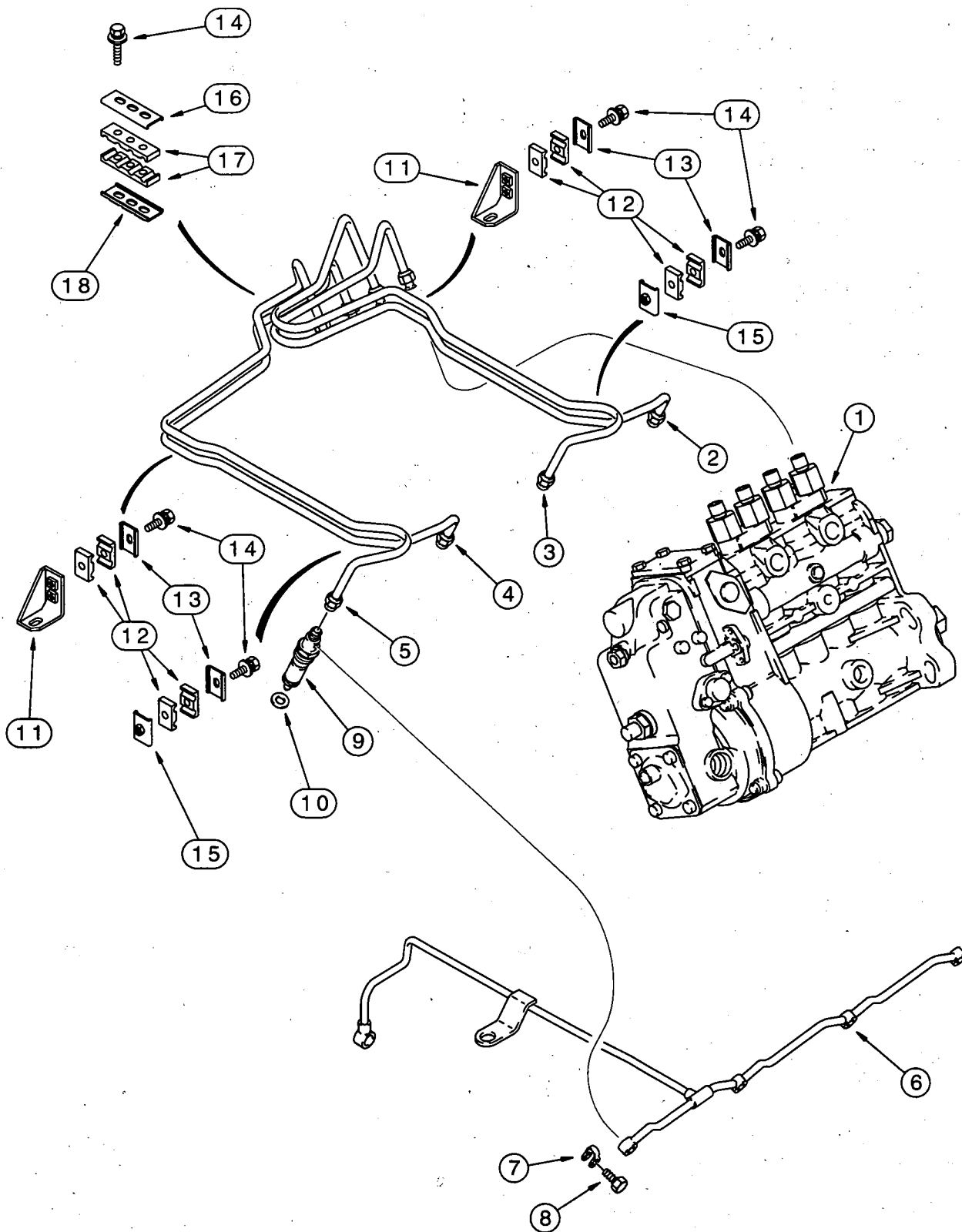
REF.	PART NO.	DESCRIPTION	REQ'D.
1	305067A1	LEVER - hand throttle	1
2	A177435	KNOB - lever, lever	1
3	814-12045	BOLT - hex, 12 - 1.75 x 45 mm	1
4	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	1
6	D148962	WASHER - Belleville	4
7	496-81018	WASHER - flat, 33/64 x 2 x 1/8 inch, hardened.	1
8	832-10412	NUT - hex, self-locking, 12 mm - 1.75	1
9	495-31022	WASHER - flat, 7/32 x 1/2 x 3/64 inch.	1
10	432-48	PIN - cotter, 1/16 x 1/2 inch	1
11	121335A1	CABLE - control, hand throttle	1
12	L18337	STRAP - tie, 15 inch, nylon, retaining	1
13	225-14210	NUT - hex, No. 10 NF	1
14	213-123	CLEVIS - adjustable, No. 10 NF	1
15	427-3058	PIN - clevis, 3/16 x 9/16 inch, hardened	1
16	432-48	PIN - cotter, 1/16 x 1/2 inch	1



570LXT and 580L Series 2**3-9****THROTTLE CONTROL LINKAGE
FOOT CONTROLS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	282242A1	PEDAL - accelerator, plastic	1
2	132931A1	BOOT - 1/2 inch rod, accelerator pedal rod	1
2A	189109A1	RETAINER - boot spring	1
3	282931A1	ROD - accelerator pedal shaft	1
4	255291A1	PIN - throttle pedal	1
5	256776A1	SPRING - 1/16 x 1/2 inch	1
6	895-11005	WASHER - flat, 5.5 x 10 x 1 mm	2
7	800-435	RING - E-type, external retaining, No. 5	2
8	D124857	BLOCK - cross shaft	4
9	814-8050	BOLT - hex, 8 - 1.25 x 50 mm	4
10	892-11008	WASHER - lock, 8 mm	4
11	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	4
12	123558A1	SPRING - throttle return	1
13	123392A1	SPACER - spring retaining	1
14	245287A1	BRACKET - spring return	1
15	302846A1	LEVER - throttle control	1
16	838-3640	PIN - roll, 6 x 40 mm	1
17	213-123	CLEVIS - adjustable, No. 10 NF	1
18	427-3058	PIN - clevis, 3/16 x 9/16 inch, hardened	1
19	432-48	PIN - cotter, 1/16 x 1/2 inch	1
20	225-14210	NUT - hex, No. 10 NF	1
21	275454A1	CABLE - throttle, to injection pump	1
22	275456A1	BRACKET - throttle, mounts on firewall weld nuts	1
23	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm	2
24	892-11008	WASHER - lock, 8 mm	2
25	275455A1	BRACKET - throttle	1
26	627-12030	BOLT - hex, full threads, 12 - 1.75 x 30 mm, class 10.9	2
27	892-11012	WASHER - lock, 12 mm	2
28	278183A1	JOINT - ball	1
29	275457A1	BAR - throttle lever	1
30	492-11025	WASHER - lock, 1/4 inch	1
31	425-154	NUT - hex, jam, 1/4 inch NF	1
32	614-6016	BOLT - hex, full threads, 6 - 1.0 x 16 mm	2
33	892-11006	WASHER - lock, 6 mm	2
34	895-11006	WASHER - flat, 6.6 x 12 x 1.6 mm	2

3-10



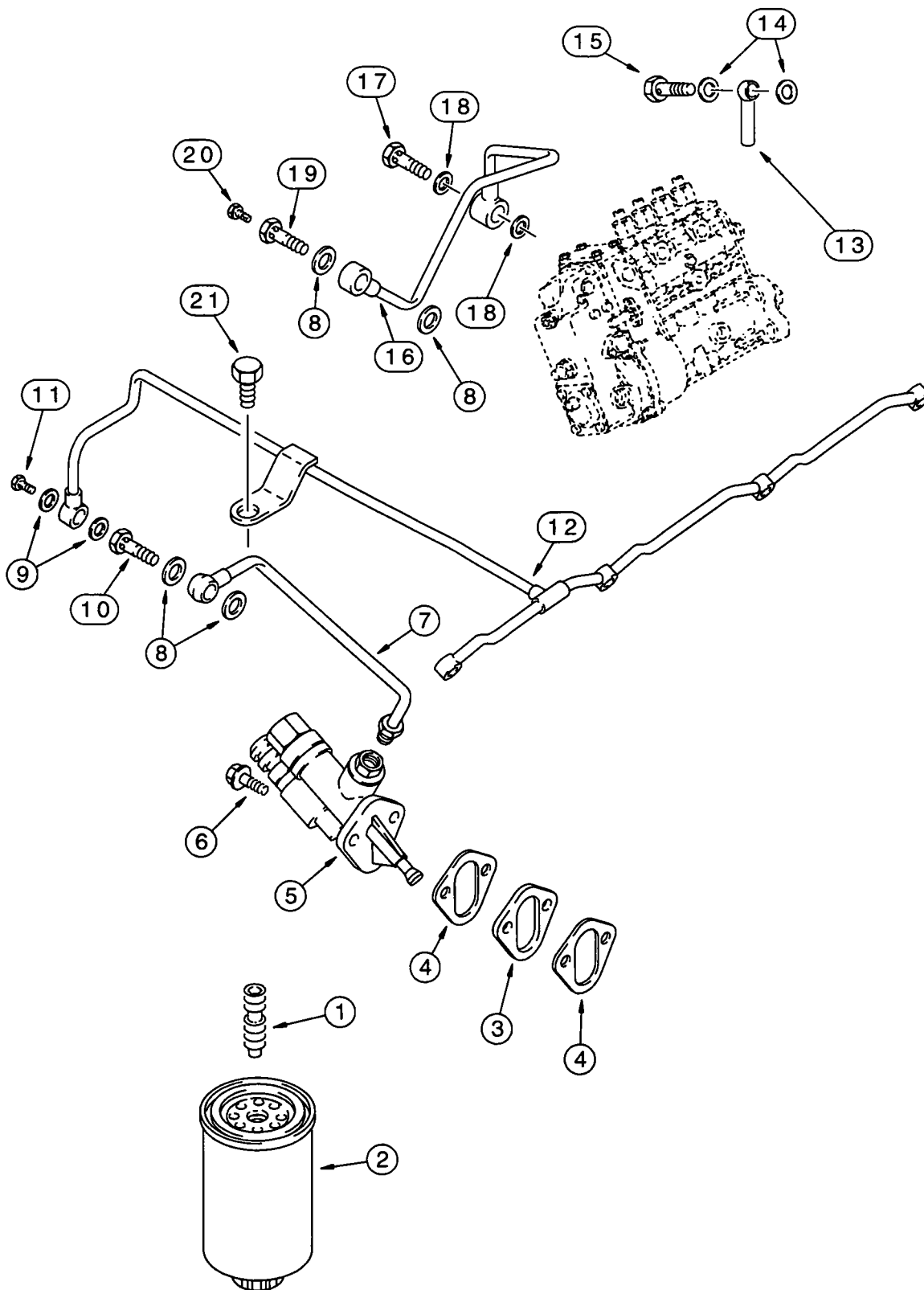
570LXT and 580L Series 2

3-11

FUEL INJECTION SYSTEM
4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D.
1	J930143	PUMP ASSEMBLY - fuel injection, without aneroid, 4-390 engine, parts list page 3-15	1
1	J930154	PUMP ASSEMBLY - fuel injection, without aneroid, 4T-390 engine, parts list page 3-15B	1
2	J929393	TUBE - fuel injector, No. 1 cylinder	1
3	J929394	TUBE - fuel injector, No. 2 cylinder	1
4	J929395	TUBE - fuel injector, No. 3 cylinder	1
5	J929396	TUBE - fuel injector, No. 4 cylinder	1
6	J927633	TUBE - manifold, fuel.	1
7	J903380	SEAL - connector.	4
8	J905307	BOLT - banjo drain, special.	4
9	J929490	NOZZLE ASSEMBLY - fuel injection, parts list page 3-19	4
10	J906659	SEAL - injector nozzle, 7 mm injector tip	4
11	J920414	BRACE - fuel tube	2
12	J917746	CLAMP - fuel tube	8
13	J904711	BRACKET - fuel tube.	4
14	J920854	BOLT - hex, captive washer, special, 5 - 0.8 x 20 mm	7
15	J917717	BRACKET - fuel tube.	2
16	J918785	BRACE - tube	1
17	J918786	CLAMP - vibration	2
18	J918784	BRACE - tube	1

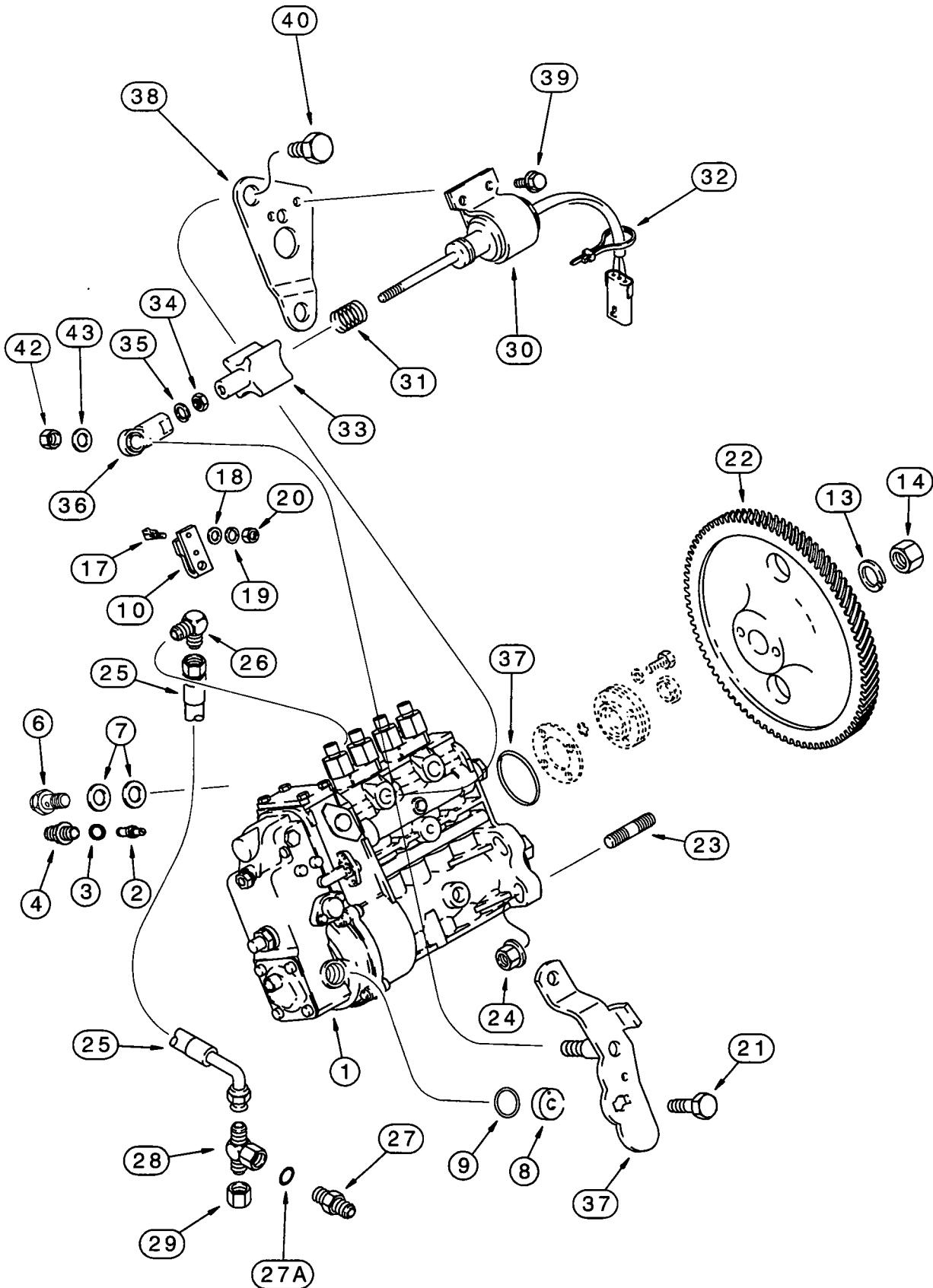
3-12



570LXT and 580L Series 2**3-13****FUEL FILTER****4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	J925955	ADAPTER - fuel filter	1
2	J931062	FILTER - fuel	1
3	J914284	SPACER - fuel transfer pump mounting	1
4	J931348	GASKET - mounting, fuel transfer pump	1
5	J933254	PUMP - fuel transfer	1
6	845-8025	BOLT - heavy hex flange, 8 - 1.25 x 25 mm	2
7	J917280	TUBE - supply	1
8	J918191	WASHER - sealing, special, 12 x 18 x 1 mm.	4
9	J918188	WASHER - sealing	2
10	J916361	BOLT - banjo connector, 12 - 1.5 x 24 mm	1
11	J924726	VALVE - check.	1
12	J927633	TUBE - manifold, fuel.	1
13	J933250	BOLT - banjo connector.	1
14	J918192	WASHER - sealing, special, 14 x 20 x 1 mm.	2
15	J912886	VALVE - overflow.	1
16	J932035	TUBE - supply, fuel	1
17	J924725	BOLT - banjo connector.	1
18	J918192	WASHER - sealing, special, 14 x 20 x 1 mm.	2
	J905860	BOLT ASSEMBLY - banjo hex, special.	1
19	J911446	BOLT - banjo connector, 12 - 1.50 x 24 mm	1
20	J905403	SCREW - hex, special, vent.	1
21	844-8025	BOLT - heavy hex flange, 8 - 1.25 x 25 mm	1

3-14

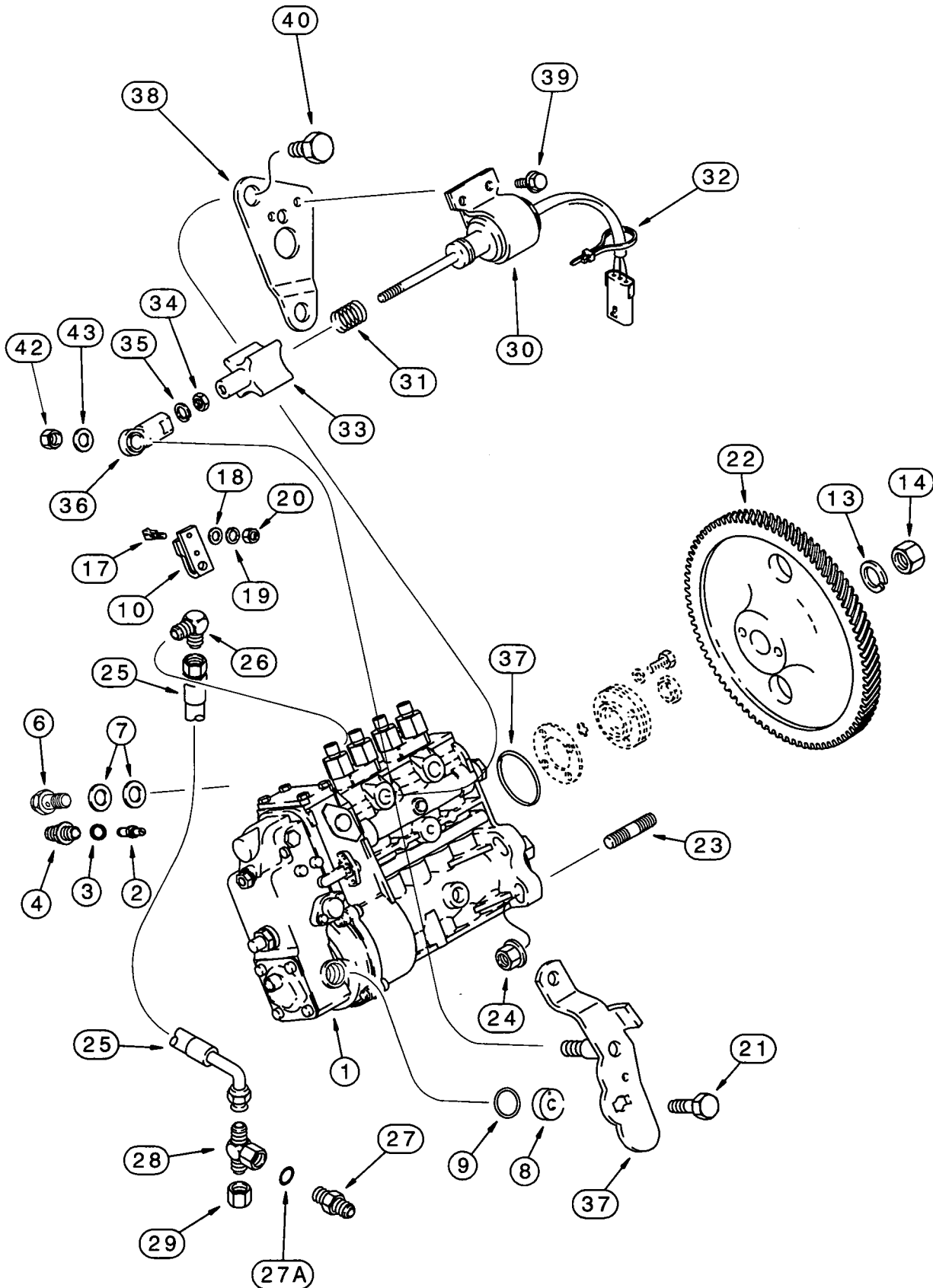


570LXT and 580L Series 2**3-15****FUEL INJECTION PUMP AND DRIVE****4-390 EMISSIONS CERTIFIED ENGINE****4T-390 EMISSIONS CERTIFIED ENGINE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	JR930143	PUMP ASSEMBLY - fuel injection, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly, 4-390 engine, for service order J930143 pump assembly	1
	JR930154	PUMP ASSEMBLY - fuel injection, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly, 4T-390 engine, for service order J930154 pump assembly	1
	JC930143	RETURN NUMBER - use this part number to return pump core for credit when using a remanufactured assembly	1
1	J930143	PUMP ASSEMBLY - fuel injection, without aneroid, used on 4-390 engine	1
1	J930154	PUMP ASSEMBLY - fuel injection, without aneroid, used on 4T-390 engine	1
2	A77720	PIN - timing	1
3	J928981	WASHER - lock, timing plug	1
4	J912888	PLUG - timing	1
6	J932096	VALVE - overflow	1
7	933697R1	WASHER - valve sealing	2
8	691292C1	HOUSING - spring return	1
9	680187C1	O-RING - sealing, special	1
10	1808728C1	LEVER - throttle control	1
13	A77775	WASHER - lock	1
14	A41852	NUT - hex, self-locking	1
17	1808822C1	BOLT - throttle lever	1
18	895-11006	WASHER - flat, 6.6 x 12 x 1.6 mm	1
19	892-11006	WASHER - lock, 6 mm	1
20	829-1306	NUT - hex, 6 mm - 1.0, class 10	1
21	628-6016	BOLT - hex, full threads, 6 - 1.0 x 16 mm, class 10.9	1
22	J931450	GEAR - fuel pump	1
23	J915036	STUD - pump mounting	4
24	825-2410	NUT - hex flange, 10 mm - 1.5	4
25	J918536	HOSE - flexible	1
26	A77512	ELBOW - 90 degree	1
27	J941472	NIPPLE - hex, 7/16-20 inch flare x 10 - 1.0 mm str thread	1
27A	637-72081	O-RING - 8.1 ID x 1.6 mm wide	1
28	J933291	TEE - 7/16-20 flare x flare x fem swivel	1
29	218-752	CAP - hex, 7/16-20 inch	1
30	J932529	SOLENOID - fuel shutoff, 12 volt	1
31	NSS	SPRING - return, plunger	1
32	NSS	STRAP - tie, boot to solenoid	1
33	NSS	BOOT - protective, plunger	1
34	NSS	NUT - hex, jam	1
35	NSS	WASHER - lock	1
36	NSS	JOINT - ball	1
37	J930993	O-RING - sealing	1
38	J930590	BRACKET - solenoid mounting	1
39	845-6012	BOLT - heavy hex flange, 6 - 1.0 x 12 mm	2

Continued on next page

3-16



570LXT and 580L Series 2

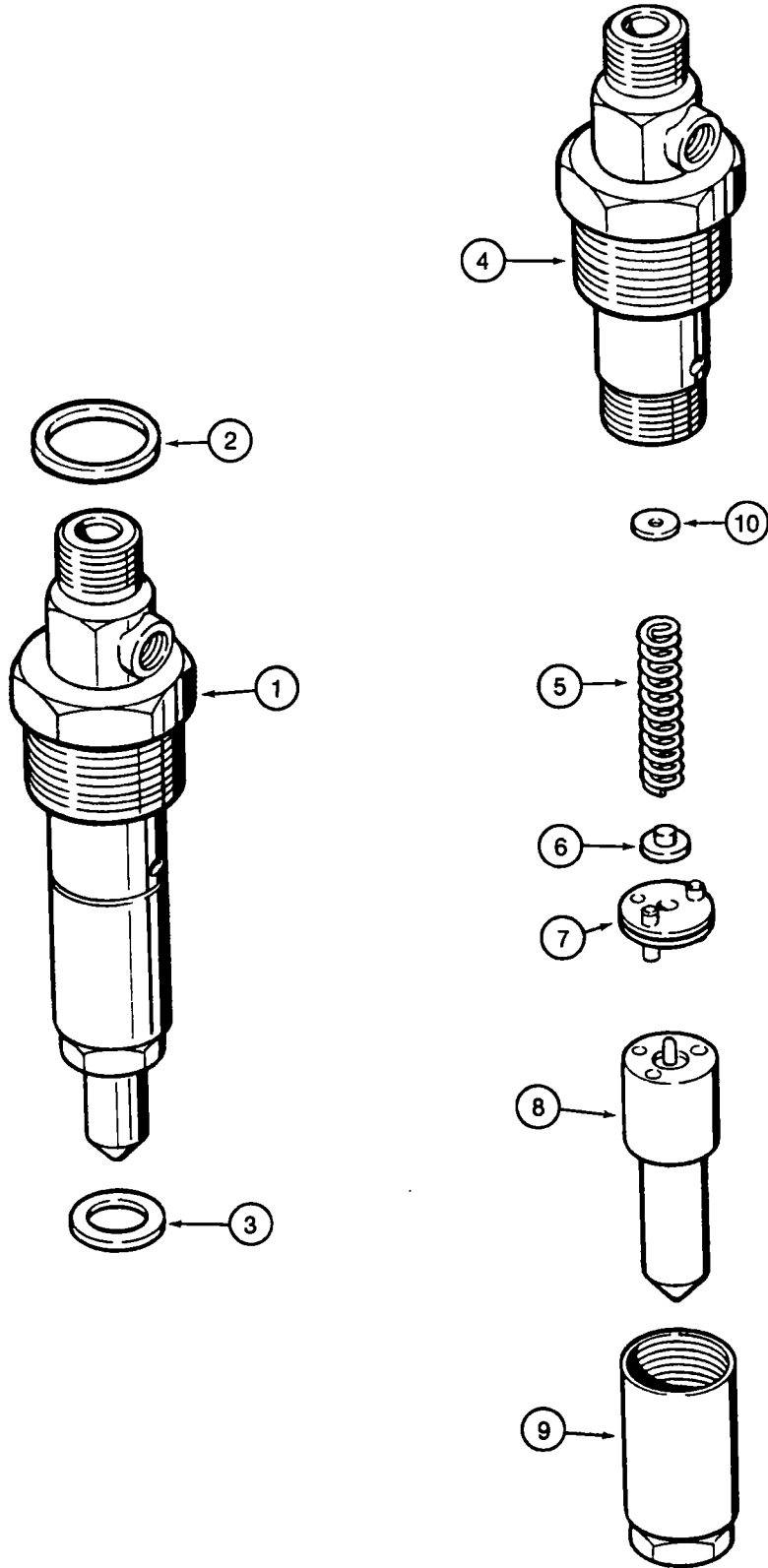
3-17

FUEL INJECTION PUMP AND DRIVE

4-390 EMISSIONS CERTIFIED ENGINE

4T-390 EMISSIONS CERTIFIED ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D.
40	J929456	BOLT - hex, 16 - 2.0 x 12 mm	2
	J802998	KIT - pump shutoff lever	1
41	NSS	LEVER - pump shutoff	1
42	832-41306	NUT - hex, self-locking, 6 mm - 1.0, class 10.	1
43	J934022	WASHER - flat, special	1



570LXT and 580L Series 2

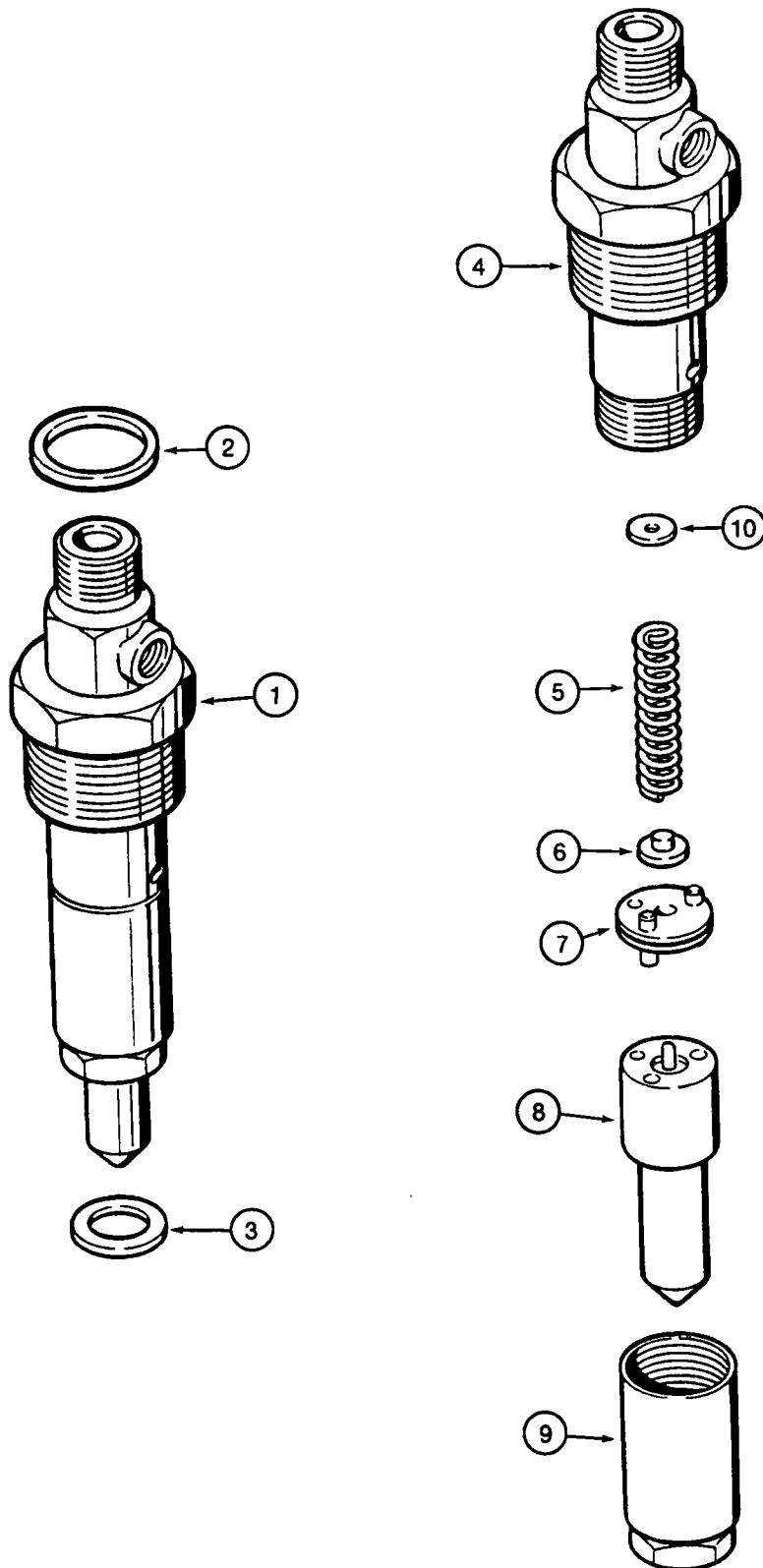
3-19

FUEL INJECTION NOZZLE
4-390 EMISSIONS CERTIFIED ENGINE
4T-390 EMISSIONS CERTIFIED ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D.
	JR929490	NOZZLE ASSEMBLY - fuel injection, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly, 4T-390 engine	4
	JR930573	NOZZLE ASSEMBLY - fuel injection, remanufactured, North America only, component parts shown on this page do not apply to the remanufactured assembly, 4-390 engine	4
	JC929490	RETURN NUMBER - use this part number to return nozzle assembly core for credit when using a remanufactured assembly, 4T-390 engine	4
	JC930573	RETURN NUMBER - use this part number to return nozzle assembly core for credit when using a remanufactured assembly, 4-390 engine	4
1	J929490	NOZZLE ASSEMBLY - fuel injection, used on 4T-390 engine	4
1	J930573	NOZZLE ASSEMBLY - fuel injection, used on 4-390 engine	4
2	J909356	O-RING - sealing, body to nut	1
3	*J906659	SEAL - injector nozzle, 7 mm injector tip	1
4	NSS	BODY - injector	1
5	NSS	SPRING - nozzle pressure	1
6	NSS	SEAT - nozzle pressure spring	1
7	NSS	STOP - nozzle valve	1
8	NSS	TIP - nozzle injector	1
9	NSS	NUT - cap, nozzle tip	1
10	1806233C1	SHIM - nozzle, 1.00 mm.	UAR
10	1806234C1	SHIM - nozzle, 1.04 mm.	UAR
10	1806235C1	SHIM - nozzle, 1.08 mm.	UAR
10	1806236C1	SHIM - nozzle, 1.10 mm.	UAR
10	1806237C1	SHIM - nozzle, 1.14 mm.	UAR
10	1806238C1	SHIM - nozzle, 1.18 mm.	UAR
10	1806239C1	SHIM - nozzle, 1.20 mm.	UAR
10	1806240C1	SHIM - nozzle, 1.24 mm.	UAR
10	1806241C1	SHIM - nozzle, 1.28 mm.	UAR
10	1806242C1	SHIM - nozzle, 1.30 mm.	UAR
10	1806243C1	SHIM - nozzle, 1.34 mm.	UAR
10	1806244C1	SHIM - nozzle, 1.38 mm.	UAR
10	1806245C1	SHIM - nozzle, 1.40 mm.	UAR
10	1806246C1	SHIM - nozzle, 1.44 mm.	UAR
10	1806247C1	SHIM - nozzle, 1.48 mm.	UAR
10	1806248C1	SHIM - nozzle, 1.50 mm.	UAR
10	1806249C1	SHIM - nozzle, 1.54 mm.	UAR
10	1806250C1	SHIM - nozzle, 1.58 mm.	UAR

***NOTE:** Whenever a nozzle is removed from the cylinder head, J906659 seal must be replaced before nozzle is installed in cylinder head.

Continued on next page



570LXT and 580L Series 2

3-21

FUEL INJECTION NOZZLE

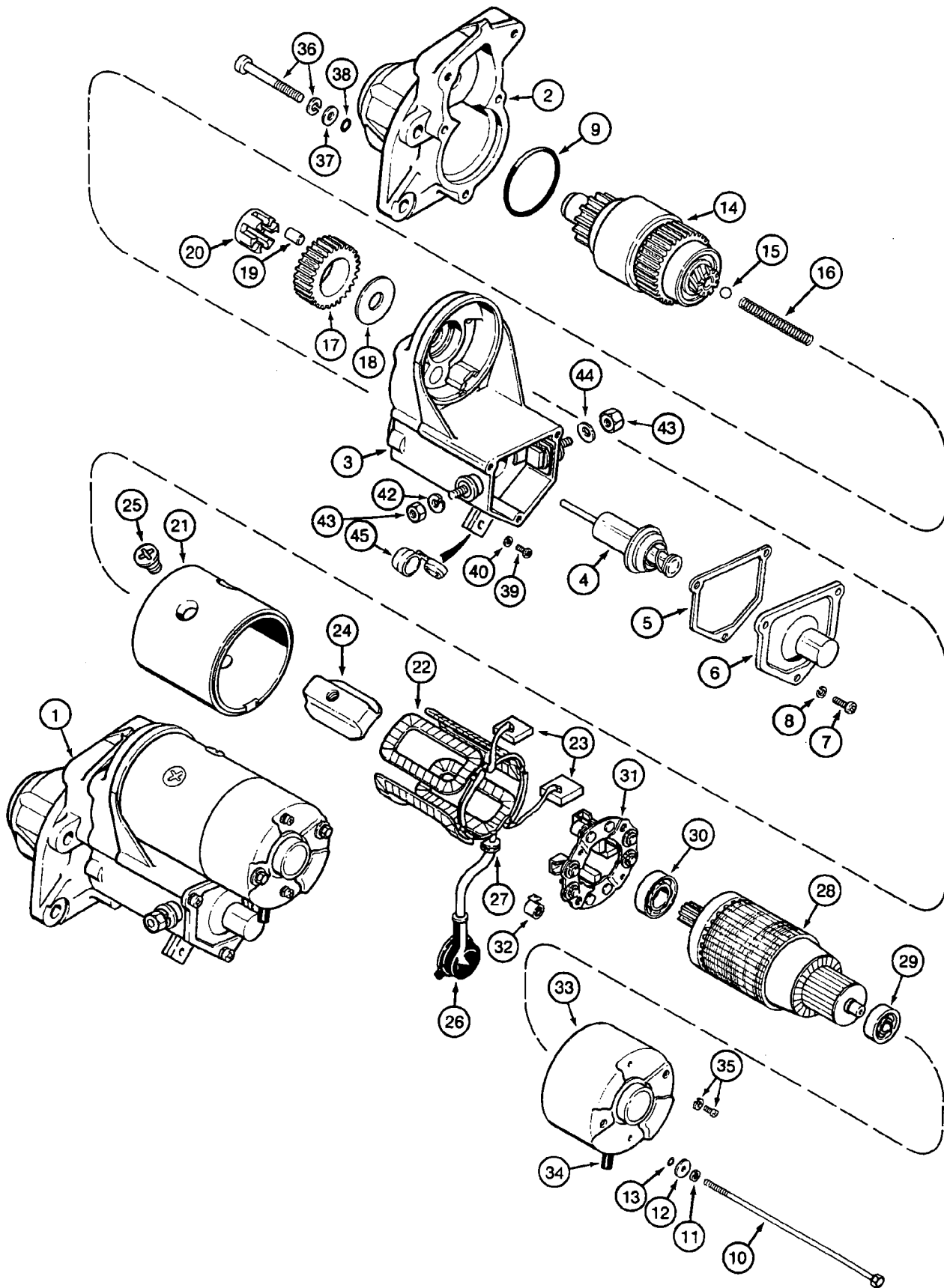
4-390 EMISSIONS CERTIFIED ENGINE

4T-390 EMISSIONS CERTIFIED ENGINE

REF.	PART NO.	DESCRIPTION	REQ'D.
10	1806251C1	SHIM - nozzle, 1.60 mm.	UAR
10	1806252C1	SHIM - nozzle, 1.64 mm.	UAR
10	1806253C1	SHIM - nozzle, 1.68 mm.	UAR
10	1806254C1	SHIM - nozzle, 1.70 mm.	UAR
10	1806255C1	SHIM - nozzle, 1.74 mm.	UAR
10	1806256C1	SHIM - nozzle, 1.78 mm.	UAR
10	1806257C1	SHIM - nozzle, 1.80 mm.	UAR
10	1806258C1	SHIM - nozzle, 1.84 mm.	UAR
10	1806259C1	SHIM - nozzle, 1.88 mm.	UAR
10	1806260C1	SHIM - nozzle, 1.90 mm.	UAR
10	1806261C1	SHIM - nozzle, 1.94 mm.	UAR
10	1806262C1	SHIM - nozzle, 1.98 mm.	UAR

**ALPHABETICAL INDEX
ELECTRICAL**

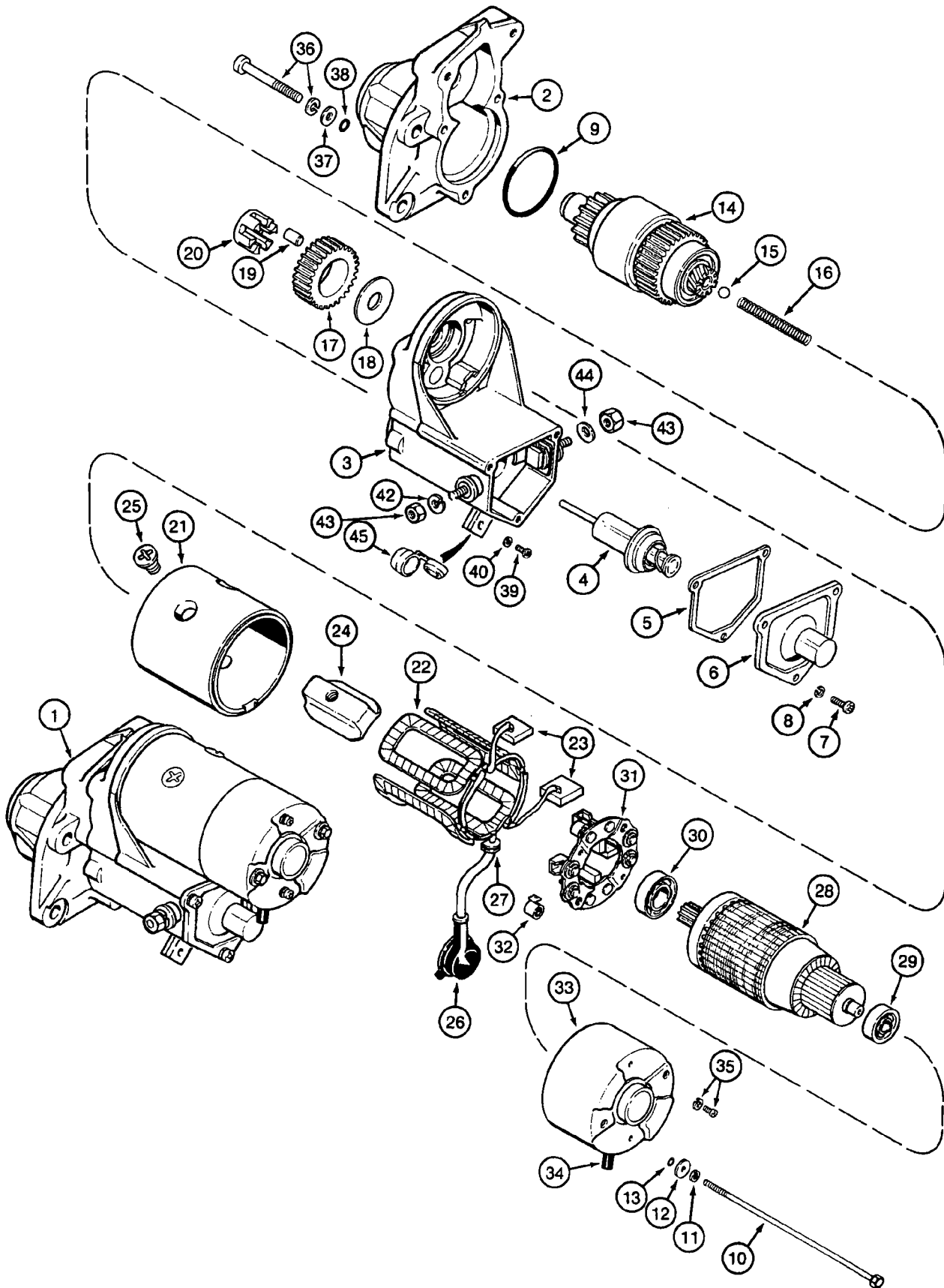
DESCRIPTION	PAGE
Alarm - Backup	4-45
Alternator	4-7
Alternator Mounting	4-9
Antenna - Fleet Management System	4-53
Antenna - Radio.....	4-49
Batteries and Cables	
Models With Cold Start	4-15
Models Without Cold Start	4-13
Beacon - Rotating.....	4-47
Cluster - Instrument	4-27
Consoles - Instrument	4-23,4-25
Electrical Circuits	
Auxiliary Hydraulics - Backhoe	4-51
Engine.....	4-11
Front Console	4-17
Side Console.....	4-19,4-21
Tractor Lamp - Cab	4-33
Tractor Lamp - Canopy	4-29,4-31
Fleet Management System.....	4-53
Harness - Electrical	
Adapter - Cab.....	4-19
Adapter - Engine	4-19
Auxiliary Hydraulics - Backhoe	4-51
Auxiliary Hydraulics - Hand Held	4-21
Cab	4-33
Canopy.....	4-29,4-31
Clutch Cutout	
Transmission Gear Shift	4-11
Loader Control Lever.....	4-21
Creeper Drive and PTO	4-19
Engine.....	4-11
Front Console	4-17
Optional Equipment - Side and Chassis	4-19
Radio.....	4-49
Side Console.....	4-19,4-21
Horn.....	4-45
Instrument Cluster	4-27
Instrument Panel and Covers - Front	4-23
Instrument Panel and Covers - Side.....	4-25
Lamps - Cab	4-37,4-43
Lamps - Canopy	4-35 - 4-41
Outlets - Power Plug.....	4-21
Radio Ready Kit.....	4-49
Starter.....	4-3,4-5
Starter Mounting	4-9



570LXT and 580L Series 2**4-3****STARTER**

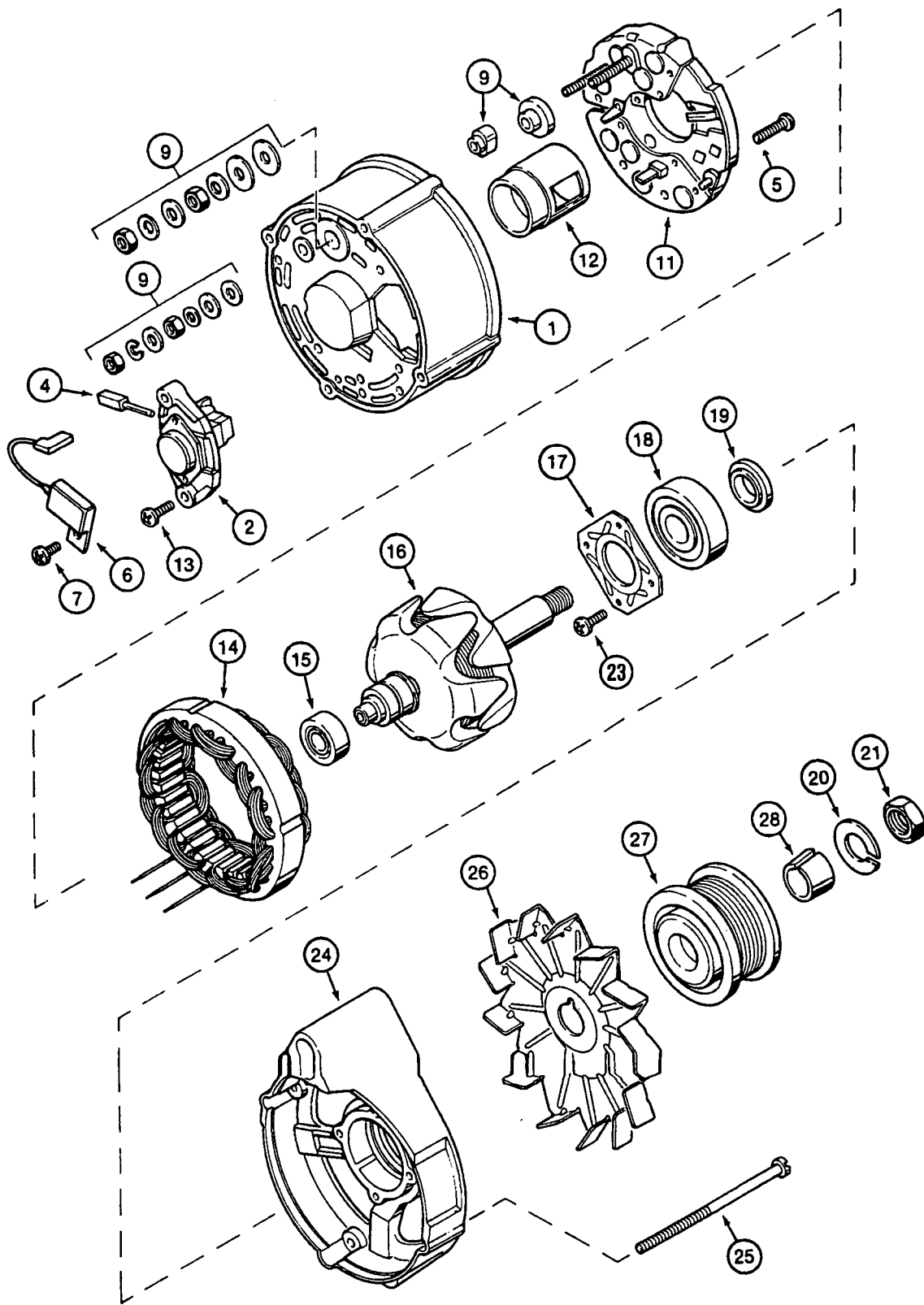
REF.	PART NO.	DESCRIPTION	REQ'D.
1	1987559C1	STARTER ASSEMBLY - engine, new	1
2	A46948	HOUSING - drive end	1
3	104588A1	SWITCH ASSEMBLY - magnetic, includes items 4-8	1
4	NSS	SOLENOID - switch	1
5	NSS	GASKET - solenoid cover	1
6	NSS	COVER - solenoid	1
7	NSS	SCREW - cover to switch	3
8	NSS	WASHER - cover screw	3
9	1546500C1	O-RING - 47 ID x 2.4 mm wide, switch to housing	1
	A47243	BOLT ASSEMBLY - through	2
10	A47128	BOLT - tie, starter, through	1
11	892-11006	WASHER - lock, 6 mm	1
12	495-81252	WASHER - flat, 1/4 x 9/16 x 1/16 inch	1
13	A47127	O-RING - bolt seal	1
14	104587A1	CLUTCH - drive	1
15	211-1311	BALL - chrome alloy steel, 11/32 inch, grade 200	1
16	A47232	SPRING - compression, 2-13/16 inch free length, clutch drive	1
17	A47233	PINION - idler	1
18	A47234	WASHER - thrust, idler pinion	1
19	A47235	ROLLER - pinion bearing, idler	5
20	A47236	RETAINER - roller bearing	1
	A47240	HOUSING ASSEMBLY - with coil and brushes	1
21	NSS	HOUSING - starter	1
22	NSS	COIL - field	1
23	NSS	BRUSHES - starter	2
24	NSS	SHOE - pole	4
25	NSS	SCREW - pole shoes	4
26	NSS	BOOT - magnetic switch terminal	1
27	A47241	PLATE - lock	1

Continued on next page



570LXT and 580L Series 2**4-5****STARTER**

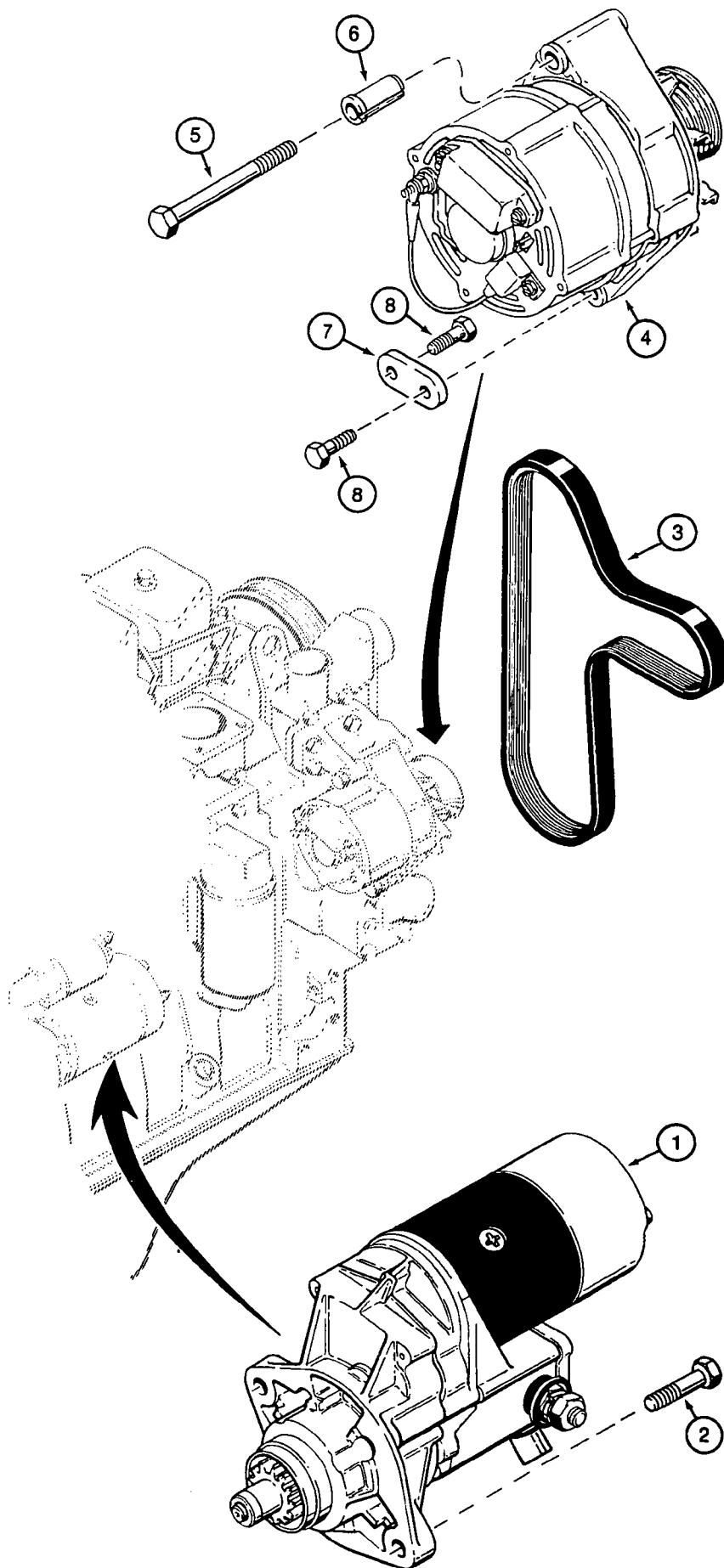
REF.	PART NO.	DESCRIPTION	REQ'D.
	REF	STARTER ASSEMBLY - engine, continued from previous page	1
28	A47242	ARMATURE ASSEMBLY - starter	1
29	452698C1	BEARING - ball	1
30	A47247	BEARING - drive end	1
31	A47239	HOLDER ASSEMBLY - brush (Includes 2 brushes)	1
32	A47249	SPRING - brush tension	4
33	A47237	FRAME - commutator end	1
34	A47238	COVER - end frame	1
35	A47244	SCREW ASSEMBLY - with washer, brush retaining, brush holder to cover.	2
	A47230	BOLT ASSEMBLY - commutator end cover to drive end housing	3
36	A47129	BOLT ASSEMBLY - with washer	1
37	195-2015	WASHER - flat, 1/4 x 1-3/4 x 1/16 inch.	1
38	A47130	O-RING - bolt seal	1
39	A46950	SCREW - terminal, special, 5 x 8 mm	1
40	892-11005	WASHER - lock, 5 mm.	1
42	892-11010	WASHER - lock, 10 mm.	1
43	825-1410	NUT - hex, 10 mm - 1.5, field coil terminal.	2
44	A10454	WASHER - spring, field coil terminal	1
45	104589A1	BUSHING - insulation.	1



570LXT and 580L Series 2**4-7****ALTERNATOR**

REF.	PART NO.	DESCRIPTION	REQ'D.
	A187873	ALTERNATOR ASSEMBLY - engine, 65 ampere, electrical	1
1	A187903	HOUSING - collector ring end	1
2	A187906	REGULATOR - voltage	1
4	1964968C1	BRUSH - alternator, set of two	1
5	1530431C1	BOLT - with washer, rectifier bridge retaining	2
6	3079134R1	CAPACITOR - alternator	1
7	1964969C1	SCREW - special, Fillister, capacitor retaining	1
9	A187904	SET - hardware, terminal	1
11	A187917	RECTIFIER - alternator	1
12	A187899	SHIELD - alternator	1
13	A187504	BOLT - hex flange, special, voltage regulator retaining	2
14	1964966C1	STATOR - alternator	1
15	A186186	BEARING - ball, rotor, collector ring end	1
16	1964964C1	ROTOR - alternator	1
17	A187901	PLATE - bearing retaining	1
18	A186183	BEARING - ball, rotor, drive end	1
	3078897R1	KIT - rotor retaining	1
19	NSS	RING - spacer	1
20	NSS	WASHER - rotor shaft	1
21	NSS	NUT - rotor shaft	1
22	NSS	KEY - pulley retainer, not used in A187873 alternator	1
23	NSS	SCREW - bearing retaining plate	4
24	A186182	HOUSING - drive end	1
25	A186193	BOLT - slotted, special, cover retaining	4
26	221425R1	FAN - alternator, not included with alternator assembly, order separately	1
27	J908560	PULLEY - drive, not included with alternator assembly, order separately	1
28	J908563	RETAINER - pulley, not included with alternator assembly, order separately	1

4-8

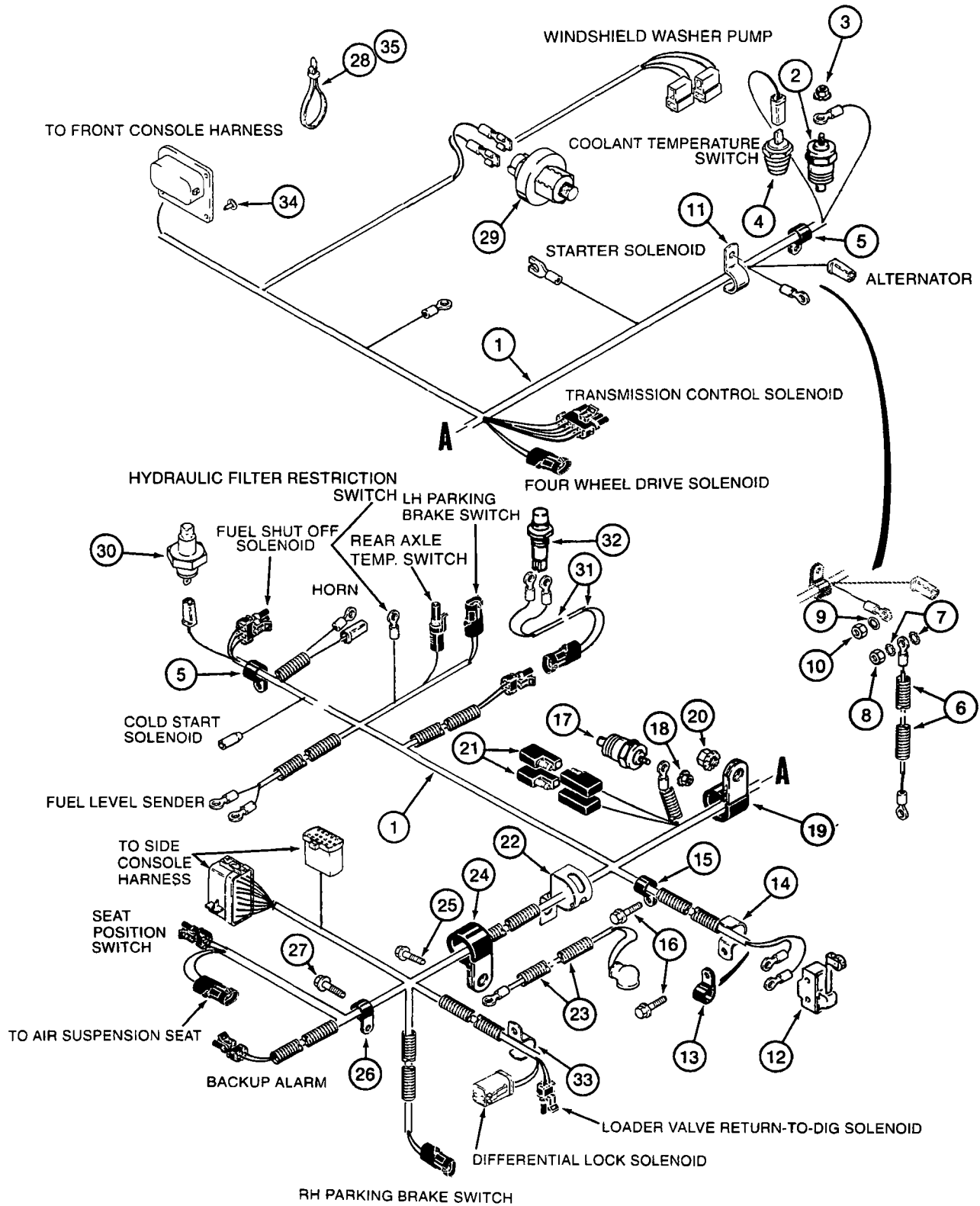


570LXT and 580L Series 2

4-9

STARTER AND ALTERNATOR MOUNTING

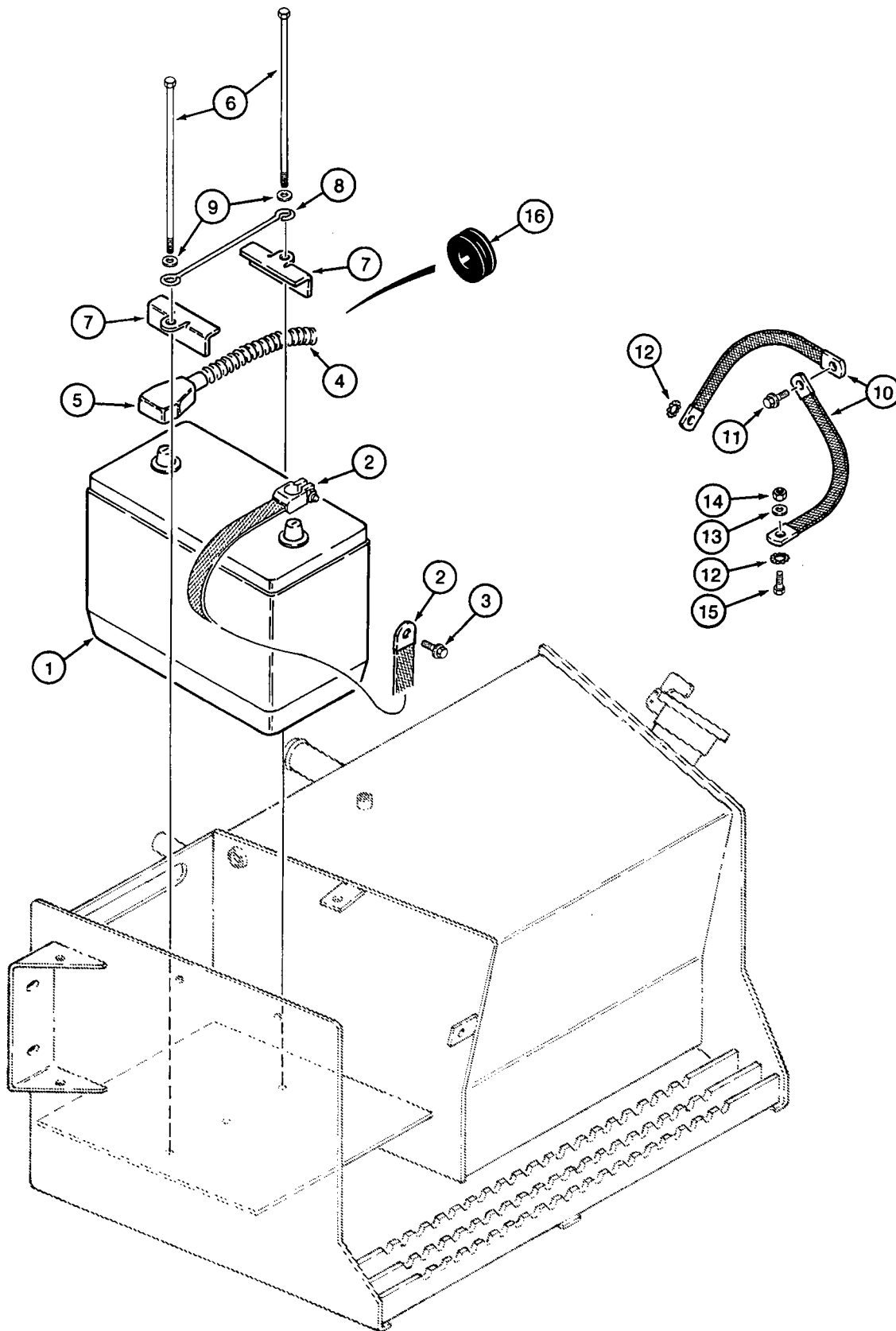
REF.	PART NO.	DESCRIPTION	REQ'D.
1	1987559C1	STARTER ASSEMBLY - engine, new, parts list pages 4-3 and 4-5	1
2	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	2
3	J925953	BELT - fan, V-ribbed, alternator and fan	1
4	A187873	ALTERNATOR ASSEMBLY - engine, 65 ampere, parts list page 4-7	1
5	814-10100	BOLT - hex, 10 - 1.5 x 100 mm	1
6	J902469	SPACER - alternator mounting	1
7	J903089	BRACE - alternator mounting	1
8	614-8020	BOLT - hex, full threads, 8 - 1.25 x 20 mm	2



570LXT and 580L Series 2**4-11****ENGINE WIRING HARNESS AND CONNECTIONS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	282015A3	HARNESS - engine, main, models without air conditioning	1
1A	282016A3	HARNESS - engine, main, models with air conditioning, not shown, used in production, for service order 282015A3 engine harness above and 186607A1 air conditioning adapter harness on page 4-19.	1
2	A166057	SENDER - engine water coolant temperature	1
3	193-1000	NUT - hex, with external tooth lock washer, No. 10 NF.	1
4	1345488C3	SWITCH - coolant temperature	1
5	515-23127	CLAMP - P-type, 1/2 inch ID, uses existing engine hardware	2
6	D143830	WIRE - 675 mm long, alternator to starter	1
7	493-21033	WASHER - internal tooth lock, 5/16 inch	2
8	829-1408	NUT - hex, 8 mm - 1.25, class 10	1
9	493-21020	WASHER - internal tooth lock, 3/16 inch	1
10	824-1405	NUT - hex, 5 mm - 0.8	1
11	D147383	CLAMP - J-type, uses existing engine hardware	1
12	D137363	SWITCH - return-to-dig, see page 9-11 for switch mounting	1
13	515-23127	CLAMP - P-type, 1/2 inch ID	1
14	D147383	CLAMP - J-type	1
15	515-23127	CLAMP - P-type, 1/2 inch ID	1
16	844-10020	BOLT - heavy hex flange, 10 - 1.5 x 20 mm	2
17	A166057	SENDER - transmission temperature	1
18	193-1000	NUT - hex, with external tooth lock washer, No. 10 NF.	1
19	242999A1	CLAMP - P-type, double	1
20	829-2410	NUT - hex, flange, 10 mm - 1.5, class 10	1
21	L71879	DIODE - harness, isolation	2
22	192196A2	CLAMP - P-type, spring lock	1
23	184188A1	WIRE - power, starter to fuseblock, see page 4-21 item 8 for nut at relay block	1
24	49773	CLAMP - P-type, 1-1/4 inch ID	1
25	844-10025	BOLT - heavy hex flange, 10 - 1.5 x 25 mm	1
26	515-23127	CLAMP - P-type, 1/2 inch ID, see page 7-13, Ref 29 for brake cable bracket.	1
27	814-10060	BOLT - hex, 10 - 1.5 x 60 mm, see page 7-13, Ref 29 for brake cable support bracket and additional hardware.	1
28	L18337	STRAP - tie, 15 inch, nylon, retaining	27
29	1983233C1	SWITCH - restriction, air cleaner	1
30	277016A1	SENDER - oil pressure, 10 mm - 1 O-ring thread (part number is stamped on sender).	1
30A	637-62081	O-RING - 8.1 ID x 1.6 mm wide, 277016A1 sender, not shown.	1
31	123809A2	HARNESS - clutch cutout, transmission gear shift lever	1
32	123097A1	SWITCH - push-button, clutch cutout, gear shift lever, see page 6-25 for lever and knob	1
33	D147383	CLAMP - J-type, uses existing loader valve mounting hardware	1
34	781-24613	BOLT - hex flange, self-tapping, 6 - 1.0 x 13 mm	2
35	305342A1	STRAP - tie, 450 mm (18 inch) long, air filter restriction branch to air filter inlet tube	1

4-12

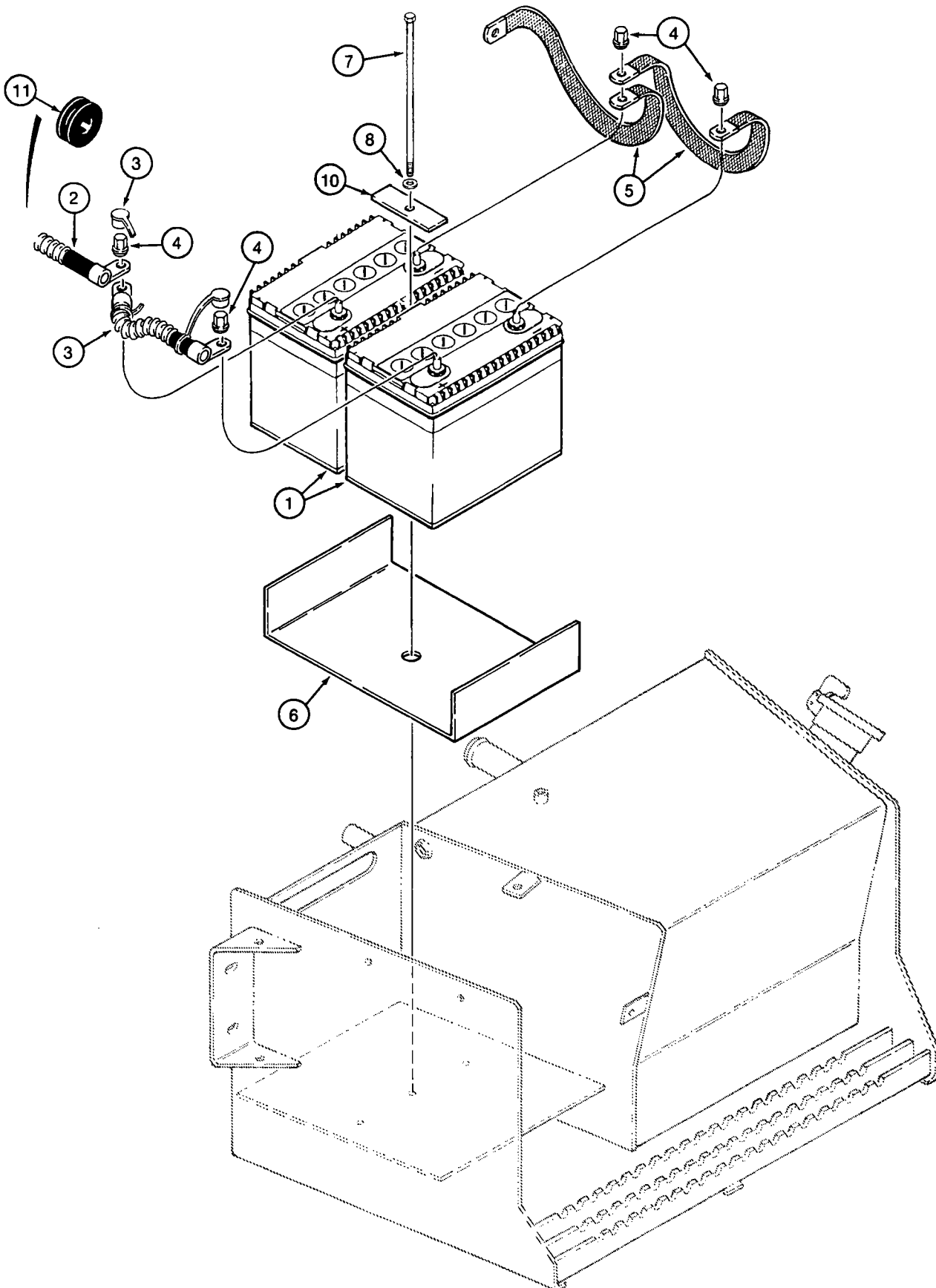


570LXT and 580L Series 2**4-13****BATTERY AND BATTERY CABLES
MODELS WITHOUT COLD START**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	BMF31E	BATTERY - dry, 12 volt, dry, models without cold start.	1
2	D83485	STRAP - battery, negative ground.	1
3	844-10020	BOLT - heavy hex flange, 10 - 1.5 x 20 mm, negative battery cable ground bolt to chassis	1
4	144171A1	CABLE - positive, 1500 mm long.	1
5	383619R1	BOOT - positive battery cable	1
6	814-10245	BOLT - hex, 10 - 1.5 x 245 mm	2
7	D125079	BRACKET - battery hold-down	2
8	D55561	RETAINER - battery	1
9	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch.	2
10	D127018	STRAP - ground	2
11	844-10025	BOLT - heavy hex flange, 10 - 1.5 x 25 mm	1
12	493-11039	WASHER - internal-external tooth lock, 3/8 inch.	2
13	895-15008	WASHER - flat, 9 x 20 x 1.6 mm	1
14	829-1408	NUT - hex, 8 mm - 1.25, class 10	1
15	814-8035	BOLT - hex, 8 - 1.25 x 35 mm	1
16	257279A1	GROMMET - battery cable, mounts in chassis side channel	2

NOTE: See page 9-93 for battery box.

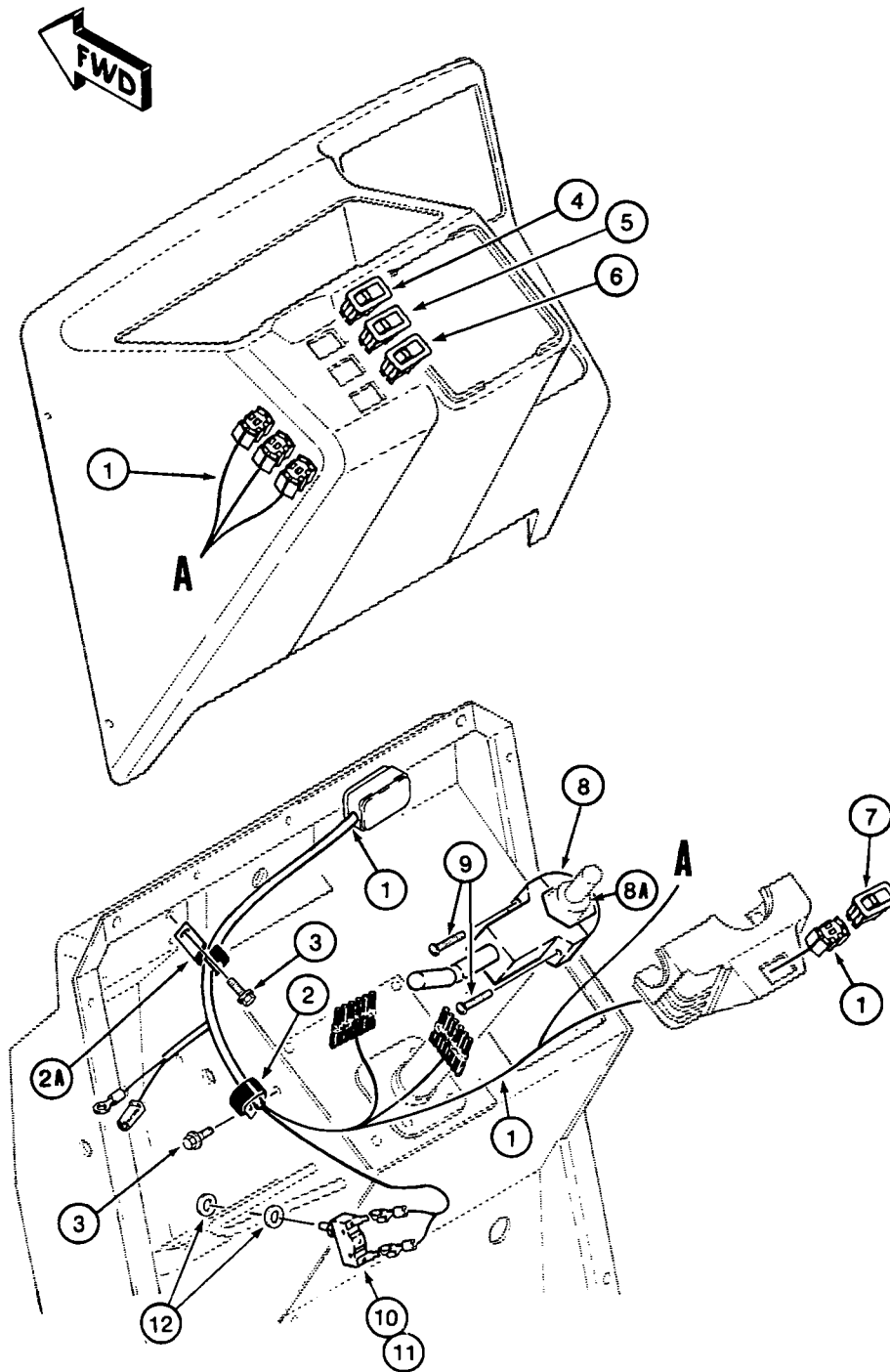
4-14



570LXT and 580L Series 2
DUAL BATTERY COLD START

4-15

REF.	PART NO.	DESCRIPTION	REQ'D.
1	BMF28S	BATTERY - dry charged, 12 volt, models with cold start.	2
2	184498A1	CABLE - positive, 1460 mm long.	1
3	184497A1	CABLE - positive jumper, 227 mm long.	1
4	D126409	NUT - hex, special, 3/8 inch NC, battery terminal	4
5	D73383	STRAP - ground, flat	2
6	181338A1	PLATE - battery mounting, no longer required	1
7	814-10245	BOLT - hex, 10 - 1.5 x 245 mm	1
8	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch.	1
10	250854A1	RETAINER - battery plate, top.	1
11	257279A1	GROMMET - battery cable, mounts in chassis side channel	2

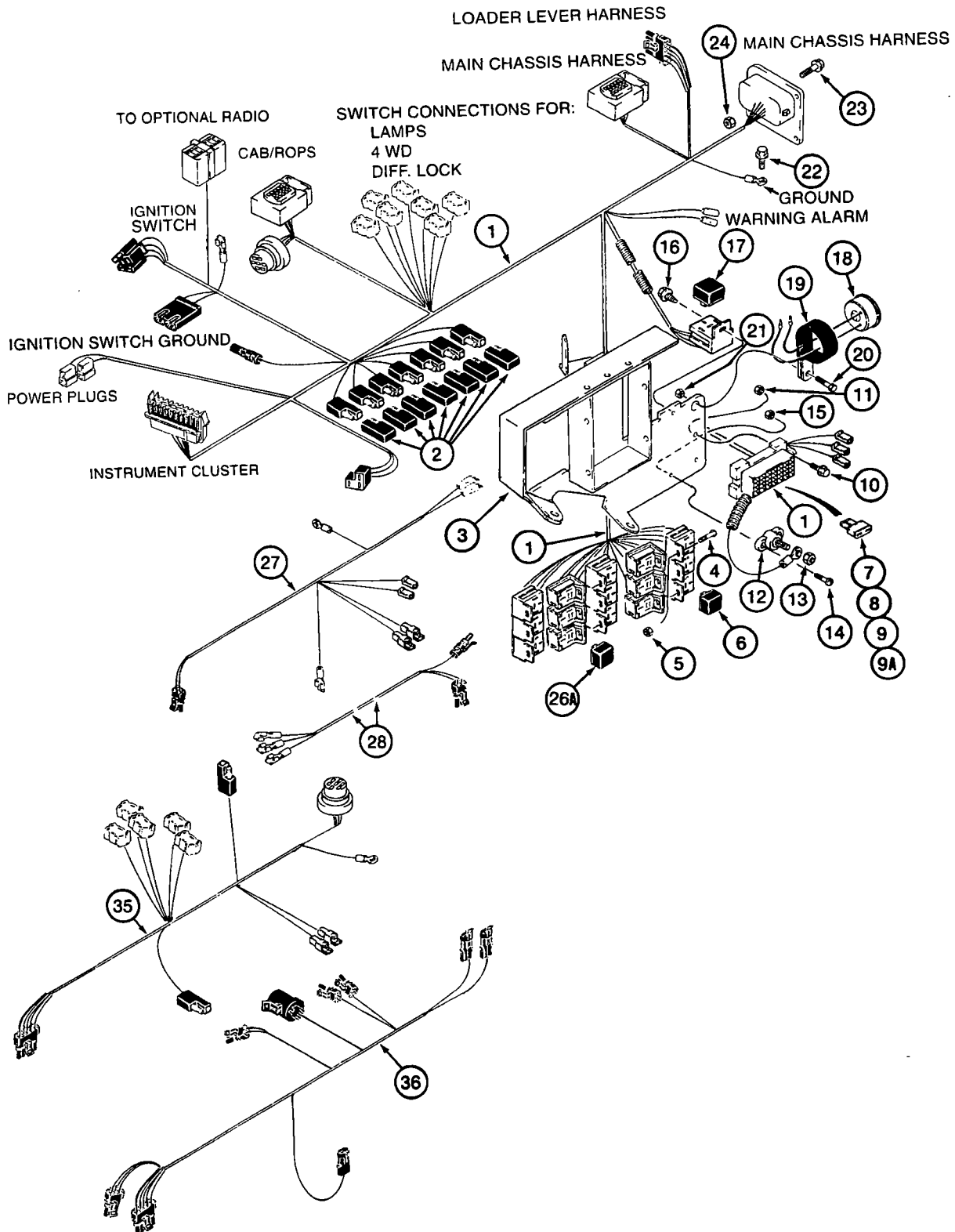


570LXT and 580L Series 2

4-17

FRONT CONSOLE WIRING HARNESS AND CONNECTIONS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	282014A2	HARNESS - front console	1
2	D147383	CLAMP - J-type, harness to firewall	1
2A	515-23254	CLAMP - P-type, 1 inch ID.	1
3	781-24820	BOLT - hex flange, self-tapping, 8 - 1.25 x 20 mm	2
4	123538A1	SWITCH - rocker, dome lamp, if used, see page 4-23 for plug used in place of switch	1
5	122736A1	SWITCH - rocker, hazard, flasher lamps	1
6	131691A1	SWITCH - rocker, turn signal	1
7	122740A1	SWITCH - rocker, horn	1
8	278328A1	LEVER - shuttle shift, transmission, forward/neutral/reverse switch	1
8A	236521A1	COLLAR - shuttle lever, includes clamp and (2) nuts	1
	279520A1	BOOT - rubber, handle, shuttle shift lever, not shown	1
9	840-1535	SCREW - machine, pan Phillips, 5 - 0.8 x 35 mm	2
10	D148108	SWITCH - rocker, brake lamp	1
11	A187990	TERMINAL - male	2
12	495-81153	WASHER - flat, 15/32 x 3/4 x 1/32 inch.	2



570LXT and 580L Series 2
4-19
SIDE CONSOLE INSTRUMENT HARNESS

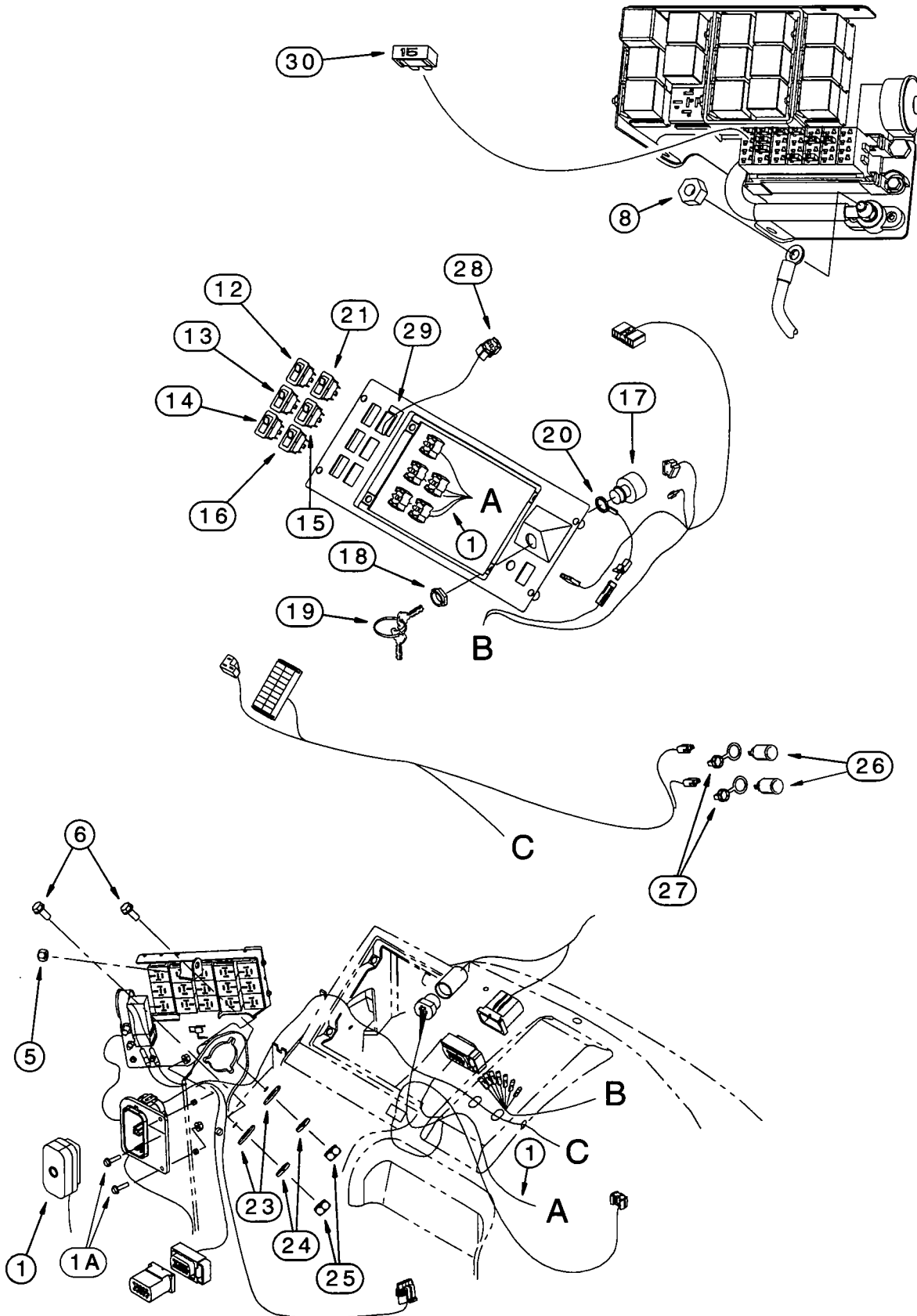
REF.	PART NO.	DESCRIPTION	REQ'D.
1	282013A3	HARNESS - side instrument console, used with Ref 26A relay	1
2	L71879	DIODE - harness, isolation	7
3	304898A1	BRACKET - fuse and relay mounting	1
4	490-1108	SCREW - machine, pan Phillips, No. 10 NF x 1/2 inch	6
5	193-1000	NUT - hex, with external tooth lock washer, No. 10 NF.	6
6	D128310	RELAY - 30 ampere, mini, 12 volt	13
7	121412A1	FUSE - mini, 10 ampere, red	5
8	121414A1	FUSE - mini, 20 ampere, yellow	1
9	121413A1	FUSE - mini, 15 ampere, blue	2
9A	121416A1	FUSE - mini, 30 ampere, green.	2
10	844-6025	BOLT - heavy hex flange, 6 - 1.0 x 25 mm	1
11	832-10406	NUT - hex, self-locking, 6 mm - 1.0	1
12	184277A1	BLOCK - junction, power	1
13	425-106	NUT - hex, 3/8 inch NC	1
14	490-1108	SCREW - machine, pan Phillips, No. 10 NF x 1/2 inch	2
15	193-1000	NUT - hex, with external tooth lock washer, No. 10 NF.	2
16	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch	1
17	D147166	SWITCH - flasher, hazard and turn signal	1
18	D137468	ALARM - warning, for engine water temperature, engine oil pressure and parking brake	1
19	D120561	CLAMP - P-type, warning alarm mounting to bracket	1
20	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
21	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	1
22	844-10020	BOLT - heavy hex flange, 10 - 1.5 x 20 mm, ground at loader control bracket brace	1
23	844-6025	BOLT - heavy hex flange, 6 - 1.0 x 25 mm	2
24	832-10406	NUT - hex, self-locking, 6 mm - 1.0	2
26	L18337	STRAP - tie, 15 inch	UAR
26A	278665A4	RELAY - sealed time delay, shuttle interlock timing relay	1
	133041A1	KIT - harness, field, to install air conditioning on units not presently equipped with air conditioning, order items 27 and 28	1
27	130876A1	HARNESS - adapter, cab, attaches to side console instrument harness for air conditioning connections	1
28	186607A1	HARNESS - adapter, engine, attaches to side console instrument harness for air conditioning connections	1

***OPTIONAL EQUIPMENT HARNESSES**

35	* 296508A2	HARNESS - side console options	1
36	* 302803A2	HARNESS - chassis options, replaces 302803A1 harness.	1

***NOTE:** Optional equipment consists of ride control, hand held auxiliary hydraulics, auxiliary backhoe hydraulics and hydraulic quick coupler.

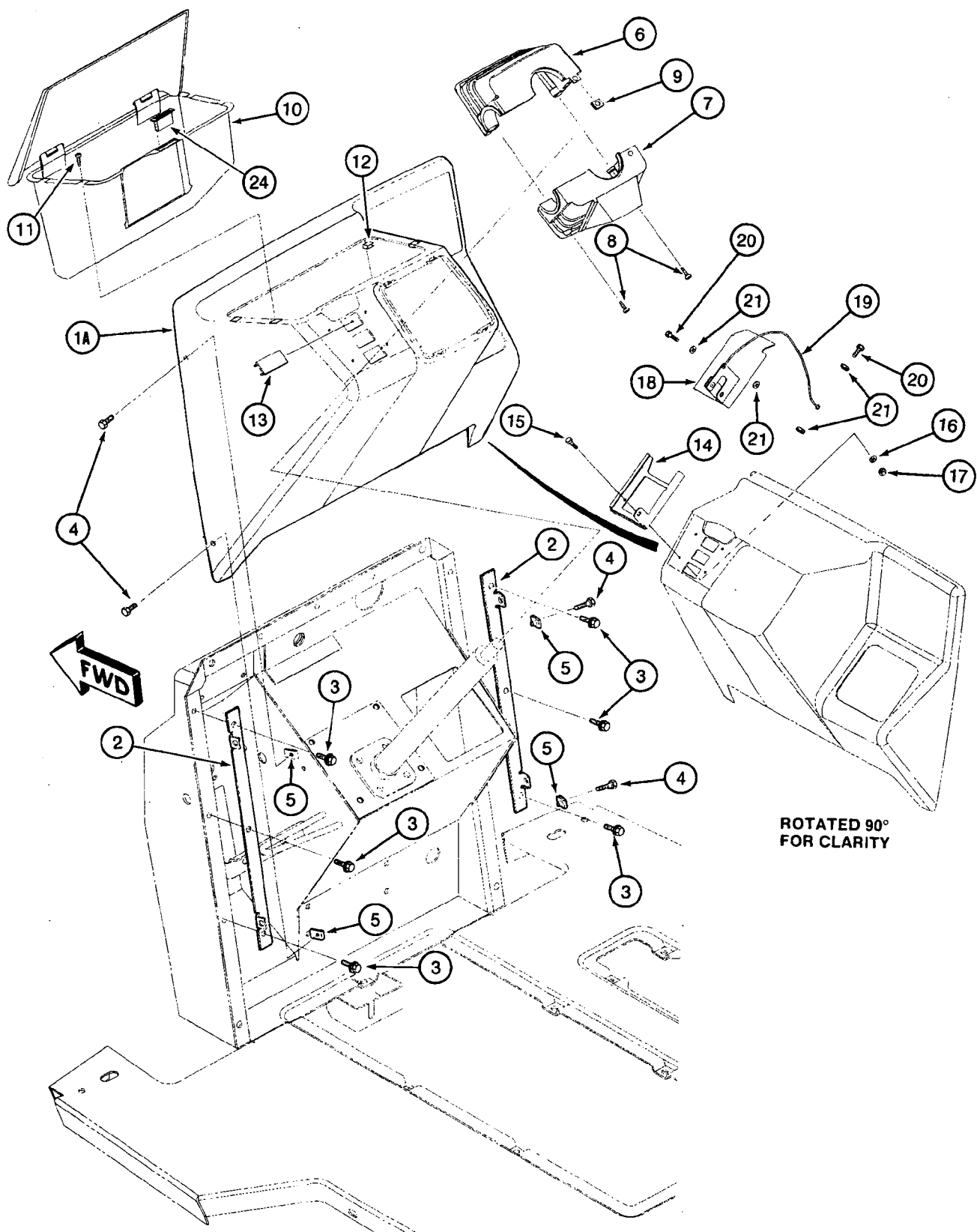
NOTE: See page 4-21 for additional side console instrument harness and connections.



570LXT and 580L Series 2**4-21****SIDE CONSOLE INSTRUMENT HARNESS AND CONNECTIONS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	282013A3	HARNESS - side instrument console	1
1A	844-6025	BOLT - heavy hex flange, 6 - 1.0 x 25 mm	2
5	832-10408	NUT - hex, self-locking, 8 mm - 1.25, attaches fuse and relay mounting bracket to parking brake lever mounting bolt.	1
6	844-8025	BOLT - heavy hex flange, 8 - 1.25 x 25 mm	2
8	425-106	NUT - hex, 3/8 inch NC, attaches power wire from starter, item 23 on page 4-11, to power junction block	1
12	133711A1	SWITCH - rocker, driving lamps	1
13	133713A1	SWITCH - rocker, front work lamps	1
14	133716A1	SWITCH - rocker, four-wheel drive, if used, see page 4-25 for plug used in place of switch	1
15	133715A1	SWITCH - rocker, rear flood lamps	1
16	283167A3	SWITCH - rocker, differential lock, 570LXT models only, see page 4-25 for plug used in place of switch	1
	282775A1	SWITCH ASSEMBLY - ignition, includes keys	1
17	NSS	SWITCH - key, without keys.	1
18	NSS	NUT - hex, special, key switch mounting	1
19	NSS	KEY - set of two, padded	1
20	D137820	WIRE - ignition switch to ground	1
21	191532A1	SWITCH - rocker, hand held auxiliary hydraulics, if used, see page 4-25 for plug used in place of switch	1
23	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch.	2
24	892-11008	WASHER - lock, 8 mm	2
25	829-1408	NUT - hex, 8 mm - 1.25, class 10	2
26	283779A1	OUTLET - power plug	2
27	283781A1	CAP - power plug outlet.	2
28	296508A2	HARNESS - side console options, hand held	1
29	192299A1	DECAL - auxiliary hydraulics	1
30	121413A1	FUSE - mini, 15 ampere, auxiliary hydraulics	1

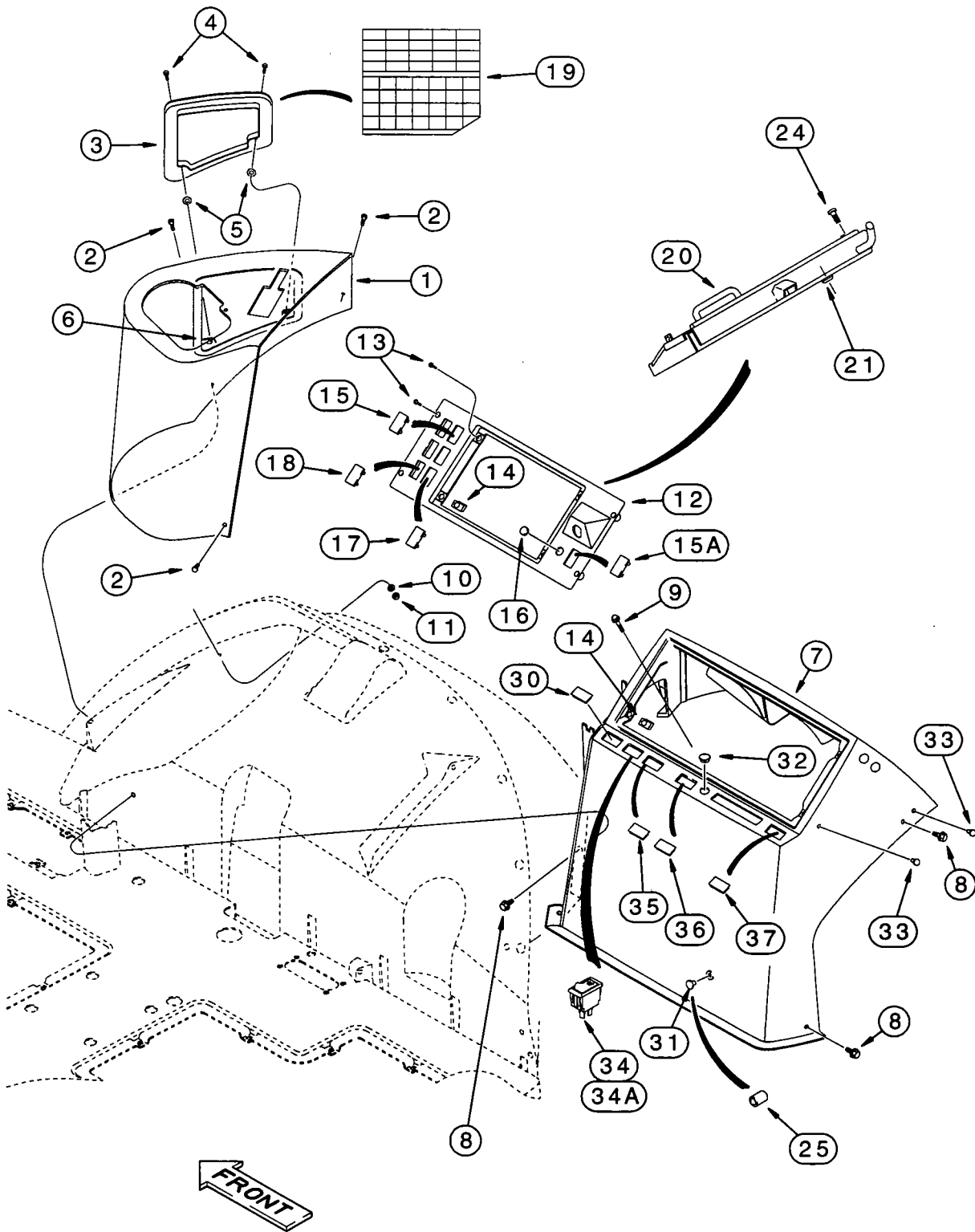
NOTE: See page 4-25 for location of rotating beacon switch.



570LXT and 580L Series 2**4-23****FRONT INSTRUMENT PANEL AND COVERS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	119266A1	PANEL - instrument, front, cab models, item 1A shown	1
1A	181316A1	PANEL - instrument, front, ROPS canopy models, with four bolt holes for anti-vandalism cover.	1
2	137851A1	PLATE - bar, front console mounting to firewall, not included in cab frame	2
3	844-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm	10
4	555-2	BOLT - heavy hex flange, 6 - 1.0 x 20 mm, special, instrument panel to firewall	4
5	833-40406	NUT - U-type, 6 mm - 1.0	4
6	119267A2	COVER - upper, steering column	1
7	119268A1	COVER - lower, steering column	1
8	140-107	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch	3
9	131-861	CLAMP - U-type, No. 10 NC	1
10	177164A1	BOX - storage compartment (service with 122641A1 box and 120029A1 cover, not shown)	1
11	140-107	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch	4
12	176857A1	NUT - J-type, No. 10	4
13	126844A1	PLUG - upper, used in place of dome lamp switch, if used	1
14	136450A1	BRACKET - front instrument panel, anti-vandalism, ROPS canopy models	1
15	140-106	SCREW - machine, pan head Phillips, No. 10 NC x 1/2 inch	4
16	495-31022	WASHER - flat, 7/32 x 1/2 x 3/64 inch.	4
17	225-14110	NUT - hex, No. 10 NC	4
18	136454A1	COVER - anti-vandalism, front instrument panel, ROPS canopy models	1
19	D126821	CORD - manual retaining, anti-vandalism cover	1
20	151-522	RIVET - break mandrel, 3/16 x 9/16 inch.	2
21	495-31022	WASHER - flat, 7/32 x 1/2 x 3/64 inch.	4
24	D127335	RETAINER - magnetic catch, storage compartment	1

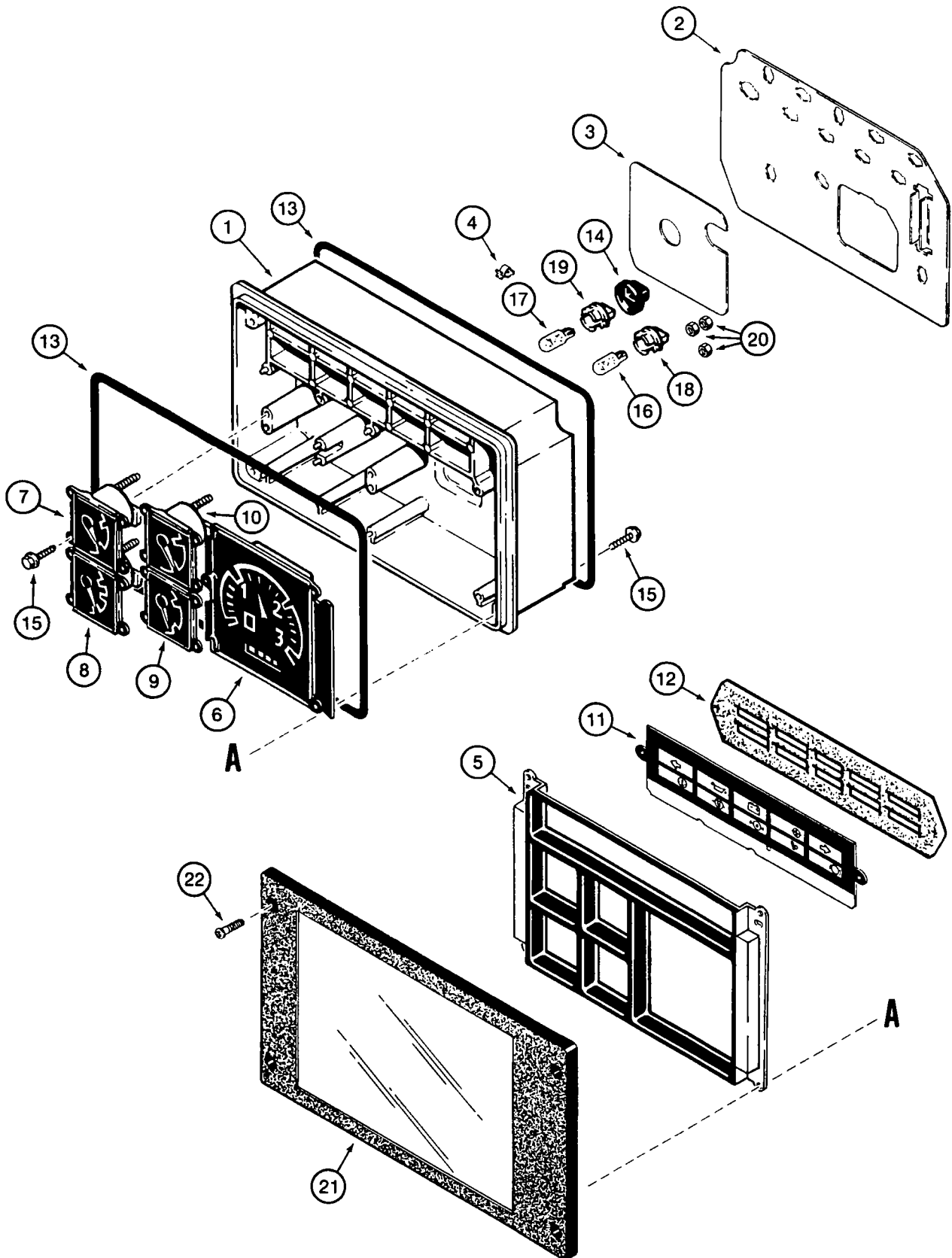
4-24



570LXT and 580L Series 2
4-25
SIDE INSTRUMENT PANEL AND COVERS

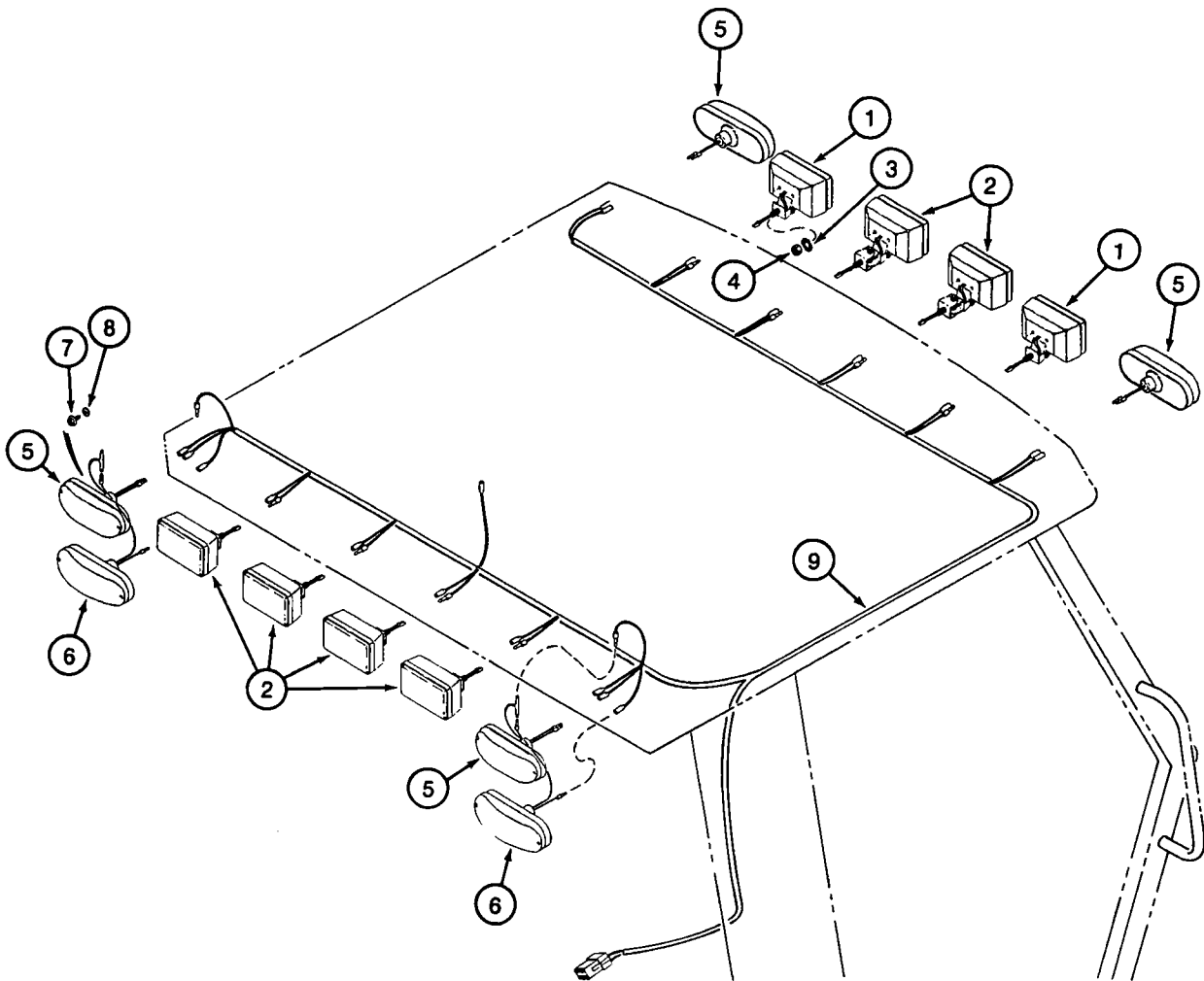
REF.	PART NO.	DESCRIPTION	REQ'D.
1	245891A2	COVER - loader control	1
2	555-2	BOLT - heavy hex flange, 6 - 1.0 x 20 mm	3
3	120032A1	PANEL - fuse access.	1
4	182276A1	SCREW - special, No. 10 NC x 3/4 inch	2
5	127009A1	RETAINER - screw, push-on	2
6	131-861	CLAMP - U-type, No. 10 NC	1
7	295378A1	PANEL - instrument, side, models without radio, if used, also order (1) 181385A1 threaded insert	1
7A	*294792A1	PANEL - instrument, side, models with radio, if used, also order (1) 181385A1 threaded insert, not shown	1
8	555-2	BOLT - heavy hex flange, 6 - 1.0 x 20 mm	3
9	844-6025	BOLT - heavy hex flange, 6 - 1.0 x 25 mm	1
10	895-15006	WASHER - flat, 6.6 x 25 x 1.6 mm	1
11	832-10406	NUT - hex, self-locking, 6 mm - 1.0	1
12	123615A2	PANEL - instrument cluster mounting	1
13	140-106	SCREW - machine, pan head Phillips, No. 10 NC x 1/2 inch	8
14	131-619	NUT - J-type, No. 10 NC	8
15	126844A1	PLUG - auxiliary hydraulics, if used	1
15A	126844A1	PLUG - accessory option, if used	1
16	353-406	PLUG - button, 5/8 inch, nylon, used in place of cold start button, if used	1
17	126844A1	PLUG - used in place of differential lock switch, if used	1
18	126844A1	PLUG - used in place of four-wheel drive switch, if used	1
19	REF	DECAL - fuses and relays, see page 9-181, Ref 4 for decal	1
	129586A1	COVER ASSEMBLY - instrument cluster panel, anti-vandalism, uses existing hardware, ROPS canopy models	1
20	NSS	COVER - instrument cluster panel	1
21	F22426	BUMPER - rubber	3
24	140-119	SCREW - machine, pan head Phillips, No. 10 NC x 1-1/4 inch	4
25	181385A1	INSERT - threaded, 8 mm - 1.25, if used	1
30	*126844A1	PLUG - ride control location shown, if used	1
31	*1340319C1	PLUG - flat face, pry out, 7/16 inch diameter, if used, replaces 353-425 plug	1
32	*353-429	PLUG - flat face, pry out, 11/16 inch diameter	1
33	*353-401	PLUG - button, 5/16 inch	2
34	133714A1	SWITCH - rocker, rotating beacon	1
34A	126844A1	PLUG - rotating beacon, if used, not shown	1
35	126844A1	PLUG - quick coupler, if used	1
36	126844A1	PLUG - accessory, if used	1
37	126844A1	PLUG - low flow, if used	1
	F42827	TRIM - edge, bulk, 2946 mm (116 inch) long	1
	*292654A1	PACKAGE - radio-ready, order from Machinery Price List, includes above items marked with an asterisk, plus see parts on pages 4-49 and 9-157	1

NOTE: See page 4-21 for side console switches.



**570LXT and 580L Series 2
INSTRUMENT CLUSTER****4-27**

REF.	PART NO.	DESCRIPTION	REQ'D.
	A187965	CLUSTER ASSEMBLY - instrument, tractor	1
	A191114	HOUSING ASSEMBLY - instrument cluster.	1
1	N13545	HOUSING - instrument cluster	1
2	H422774	BOARD - circuit, printed, instrument cluster	1
3	H422758	GASKET - housing	1
4	H422766	CLIP - gauges	12
5	A45007	COVER - instrument cluster	1
6	N13543	GAUGE - tachometer, includes hourmeter.	1
7	N13542	GAUGE - water temperature	1
8	A47688	GAUGE - fuel level	1
9	N6807	GAUGE - voltmeter	1
10	N13546	GAUGE - oil temperature	1
11	D146335	LENS - identification, warning lamps	1
12	D71342	GASKET - lens	1
13	D71343	GASKET - instrument cluster	2
14	D71344	BOOT - rubber, lamp socket	3
15	A45093	SCREW - special	12
16	D71346	BULB - lamp, No. 168	8
17	W10478	BULB - lamp, No. 194	3
18	A47123	SOCKET - lamp	8
19	A47125	SOCKET - lamp, green	3
20	225-14106	NUT - hex, No. 6 NC	3
21	N14225	SHIELD - instrument cluster.	1
22	140-106	SCREW - machine, pan head Phillips, No. 10 NC x 1/2 inch	4



570LXT and 580L Series 2

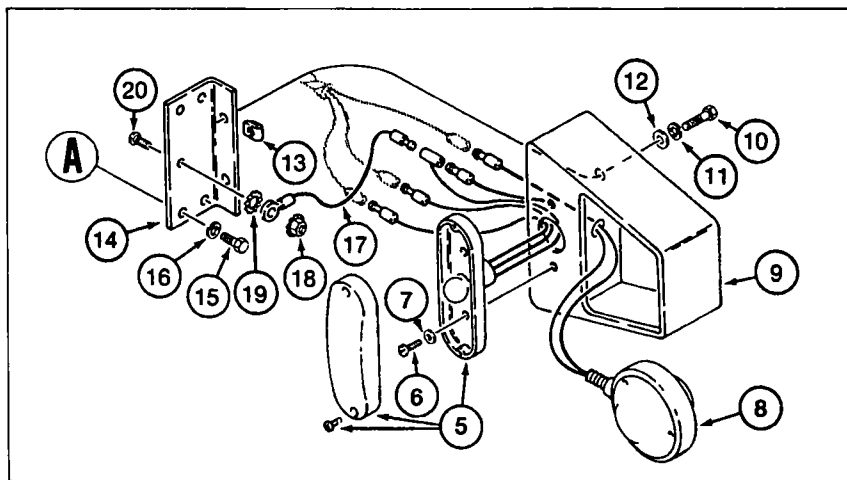
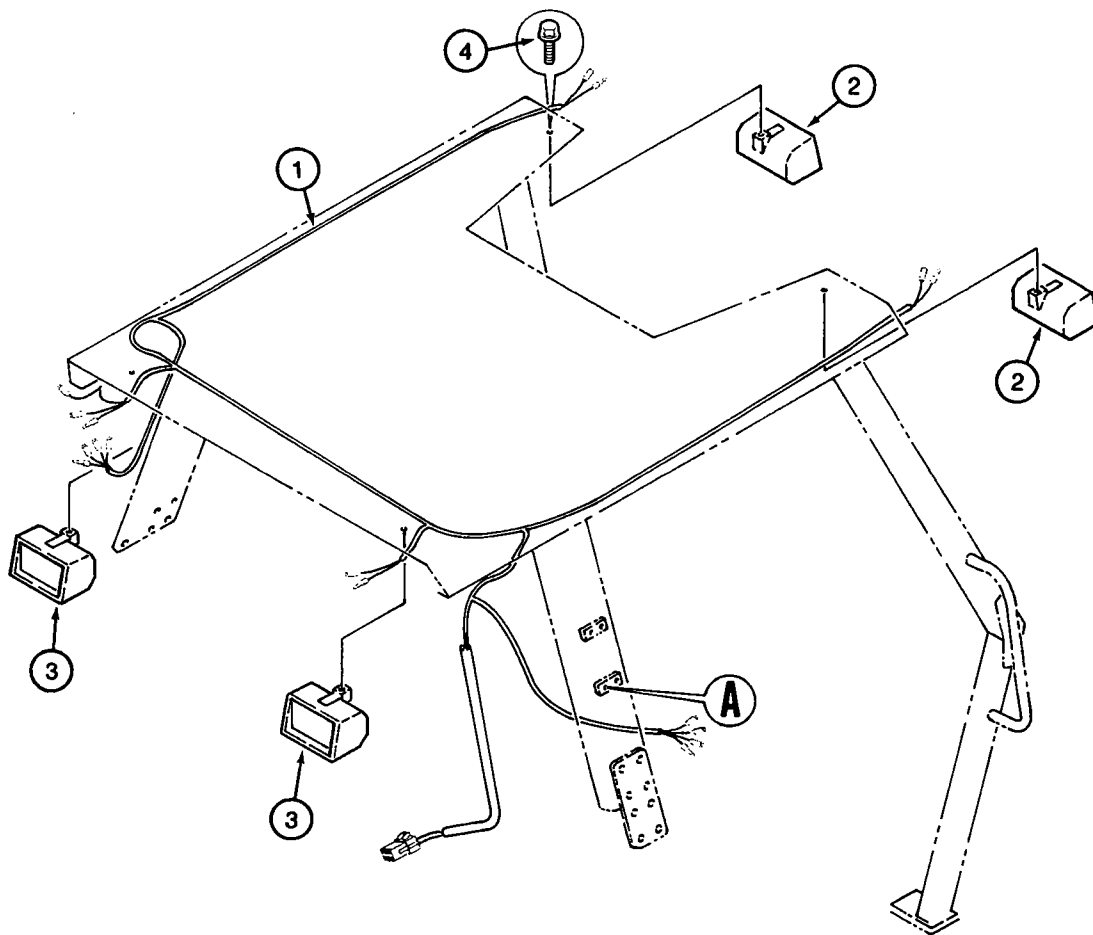
4-29

**TRACTOR LAMP ELECTRICAL CIRCUIT
580L OR 570LXT STANDARD ROPS CANOPY MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D132681	LAMP ASSEMBLY - front driving, outer, parts list page 4-35, no longer available, order ZAA7376350 lamp package.	2
2	D132682	LAMP ASSEMBLY - flood and work, rear flood (outer) and center front and rear work lamps, parts list page 4-35, no longer available, order ZAA7376150 lamp package and ZAA8066600 mounting kit.	6
3	493-11052	WASHER - internal-external tooth lock, 1/2 inch.	8
4	425-148	NUT - hex, jam, 1/2 inch NC.	8
5	D135384	LAMP ASSEMBLY - turn signal and flasher, amber, front and rear, parts list page 4-39.	4
6	D121152	LAMP ASSEMBLY - stop and tail, red, rear, parts list page 4-39.	2
7	281-4556	SCREW - self-tapping, hex washer head, No. 10 NC x 3/8 inch.	12
8	495-31022	WASHER - flat, 7/32 x 1/2 x 3/64 inch.	12
9	*283001A1	HARNESS - ROPS canopy, lamps, attaches to side console instrument harness, see page 9-171 or 9-173 for harness cover and clamps that mount to the right-hand ROPS post.	1

NOTE: See side console harness page 4-19 for lamp fuses and page 4-21 for lamp switches.

***NOTE:** See page 4-31 for harness used on 570LXT short ROPS canopy with minimal roof.

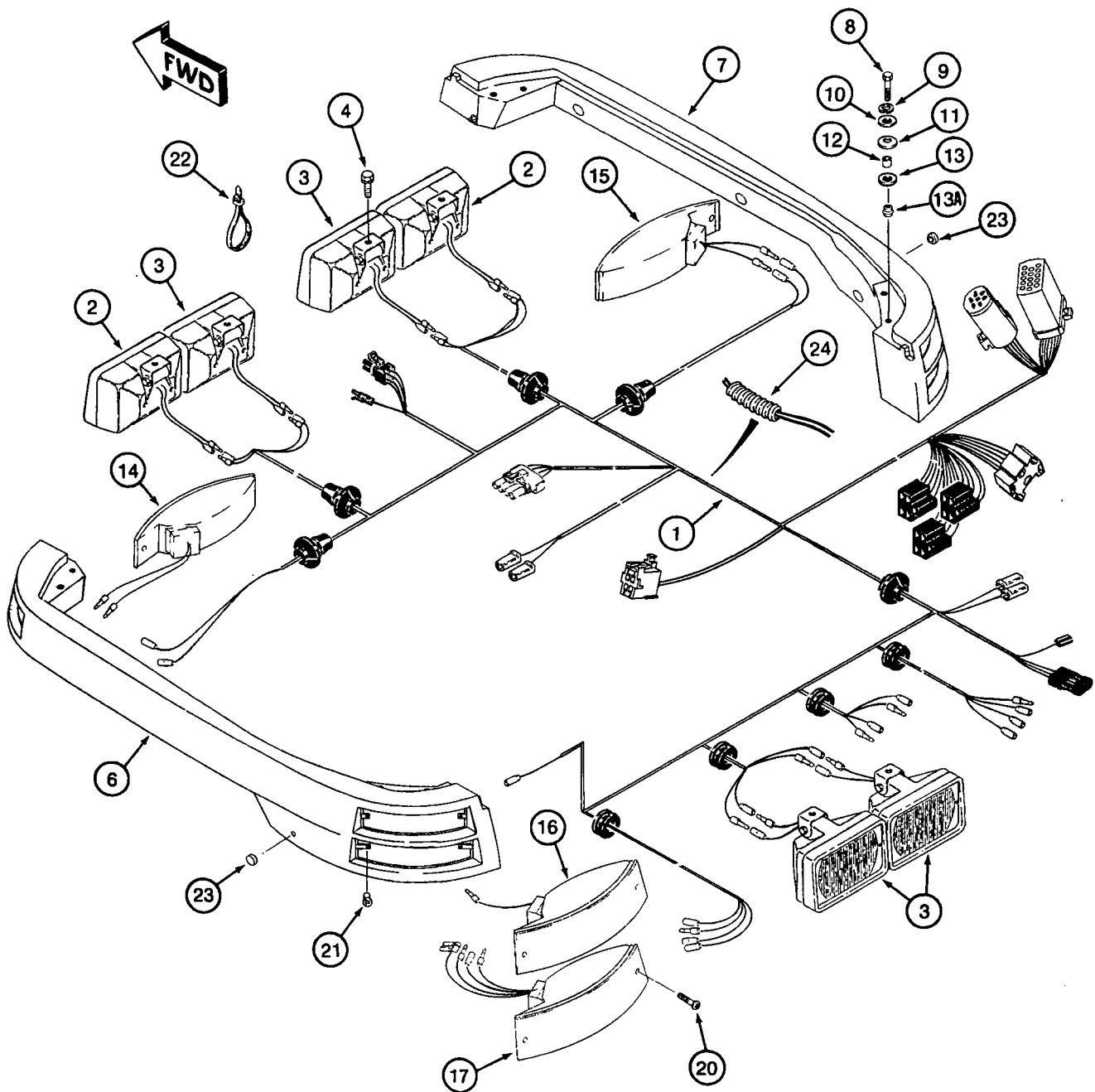


570LXT and 580L Series 2

4-31

TRACTOR LAMP ELECTRICAL CIRCUIT
570LXT SHORT ROPS CANOPY WITH MINIMAL ROOF

REF.	PART NO.	DESCRIPTION	REQ'D.
1	295065A1	HARNESS - ROPS canopy, lamps, 570LXT short ROPS canopy models with minimal roof, attaches to side console harness	1
2	109080A1	LAMP ASSEMBLY - front driving, parts list page 4-37	2
3	109081A1	LAMP ASSEMBLY - flood and work, rear, parts list page 4-37	2
4	409-768	BOLT - hex serrated flange, 3/8 NC x 1/2 inch	4
5	D121152	LAMP ASSEMBLY - stop and tail, red, parts list page 4-39	2
6	187-1917	SCREW - self-tapping, pan head Phillips, No. 8-16 x 5/8 inch	4
7	495-21019	WASHER - flat, 3/16 x 7/16 x 3/64 inch	4
8	D122121	LAMP ASSEMBLY - turn signal and flasher, parts list page 4-41	2
9	D120124	BRACKET - side lamps	2
10	413-516	BOLT - hex, 5/16 NC x 1 inch	4
11	492-11031	WASHER - lock, 5/16 inch	4
12	495-21038	WASHER - flat, 3/8 x 7/8 x 3/32 inch	4
13	131-636	NUT - J-type, 5/16 inch NC	4
14	D134875	BRACKET - mounting, side lamp bracket to canopy	2
15	413-510	BOLT - hex, 5/16 NC x 5/8 inch	4
16	492-11031	WASHER - lock, 5/16 inch	4
17	D134918	WIRE - ground, flasher and stop and tail lamps, to canopy mounting bracket	2
18	193-1000	NUT - hex, with external tooth lock washer, No. 10 NF	2
19	493-11020	WASHER - internal-external tooth lock, 3/16 inch	2
20	459-1106	SCREW - machine, pan head slotted, No. 10 NF x 3/8 inch	2

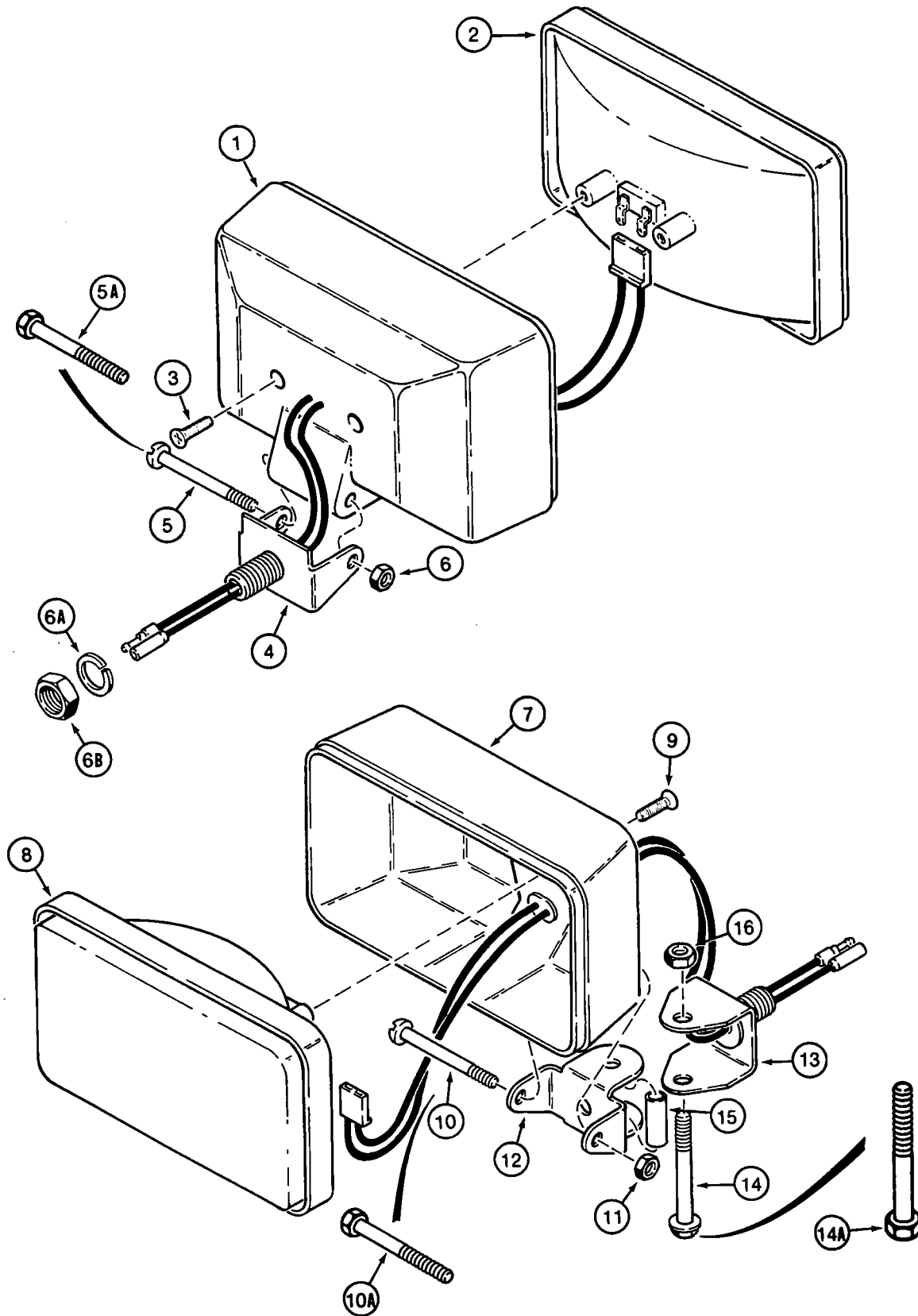


570LXT and 580L Series 2**4-33****TRACTOR LAMP ELECTRICAL CIRCUIT
WITH CAB**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	282017A2	HARNESS - cab, models without air conditioning, attaches to side console instrument harness.	1
1A	282018A2	HARNESS - cab, models with air conditioning, not shown, attaches to side console instrument harness, used in production, for service order 282017A2 cab harness (item 1) and 130876A1 adapter harness, item 27 on page 4-19.	1
2	109080A1	LAMP ASSEMBLY - front driving, parts list page 4-37	2
3	109081A1	LAMP ASSEMBLY - flood and work, rear flood and front and rear work lamps, parts list page 4-37.	6
4	409-768	BOLT - hex serrated flange, 3/8 NC x 1/2 inch	8
6	187834A1	BRACKET - left-hand lamp, includes inserts, (4) Ref 13A and (6) Ref 21, cab models	1
7	187836A1	BRACKET - right-hand lamp, includes inserts, (4) Ref 13A and (6) Ref 21, cab models	1
8	814-8035	BOLT - hex, 8 - 1.25 x 35 mm, lamp bracket to cab frame	8
9	892-11008	WASHER - lock, 8 mm	8
10	495-81001	WASHER - flat, 3/8 x 1-1/8 x 1/16 inch	8
11	186756A1	WASHER - Belleville	8
12	183598A2	SPACER - cab lamp bracket mounting	8
13	495-21056	WASHER - flat, 9/16 x 1-3/8 x 7/64 inch	8
13A	181385A1	INSERT - threaded, 8 mm - 1.25	8
14	131797A1	LAMP ASSEMBLY - turn signal and flasher, amber lens, left-front, parts list page 4-43	1
15	131796A1	LAMP ASSEMBLY - turn signal and flasher, amber lens, right front, parts list page 4-43	1
16	183504A1	LAMP ASSEMBLY - turn signal and flasher, amber lens, left rear, upper, parts list page 4-43	1
17	131795A1	LAMP ASSEMBLY - stop and tail, red lens, left rear, lower, parts list page 4-43.	1
18	183505A1	LAMP ASSEMBLY - turn signal and flasher, amber lens, right rear, upper, not shown, parts list page 4-43.	1
19	131794A1	LAMP ASSEMBLY - stop and tail, red lens, right rear, lower, not shown, parts list page 4-43	1
20	190-105	SCREW - machine, pan Phillips, No. 10 NF x 1-3/4 inch, lamp to bracket	12
21	181459A1	INSERT - No. 10 NF	12
22	L18337	STRAP - tie, 15 inch, nylon, retaining	7
23	L60224	BUMPER - rubber	2
24	1202956C1	CONDUIT - convoluted insulation, 16 (5/8) x 21 (53/64) x 889 mm (35 inch) long, windshield	1

NOTE: See side console harness page 4-19 for lamp fuses and page 4-21 for lamp switches.

4-34



570LXT and 580L Series 2**4-35**

CANOPY TRACTOR LAMPS
580L OR 570LXT STANDARD CANOPY MODELS
FRONT DRIVING, REAR FLOOD, AND
FRONT AND REAR WORK LAMPS

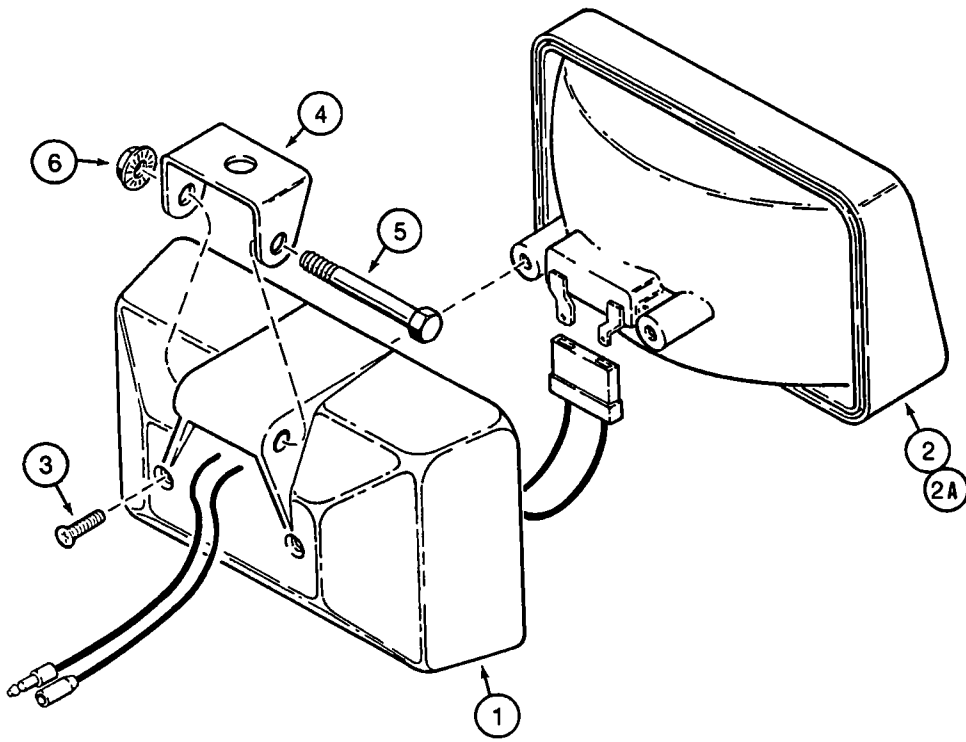
REF.	PART NO.	DESCRIPTION	REQ'D.

FRONT DRIVING LAMP ASSEMBLY

	D132681	LAMP ASSEMBLY - front driving, no longer available, order ZAA7376350 lamp package	2
1	NSS	HOUSING - lamp	1
2	91946C1	BULB - sealed beam	1
3	273-10510	SCREW - self-tapping, flat head slotted, No. 10-16 x 5/8 inch.	2
4	N14284	BRACKET - lamp	1
5	70-12532	SCREW - machine, pan head slotted, 1/4 NC x 2 inch, housing to bracket, production.	1
5A	413-432	BOLT - hex, 1/4 NC x 2 inch, service	1
6	231-1444	NUT - hex, self-locking, 1/4 inch NC	1
6A	492-11050	WASHER - lock, 1/2 inch	1
6B	425-108	NUT - hex, 1/2 inch NC	1

REAR FLOOD LAMP ASSEMBLY AND FRONT AND REAR WORK LAMPS

	D132682	LAMP ASSEMBLY - flood and work, rear flood (outer) and center front and rear work lamps, no longer available, order ZAA7376150 lamp package and ZAA8066600 mounting kit package	6
7	NSS	HOUSING - lamp	1
8	91947C1	BULB - sealed beam	1
9	273-10510	SCREW - self-tapping, flat head slotted, No. 10-16 x 5/8 inch.	2
10	70-12532	SCREW - machine, pan head slotted, 1/4 NC x 2 inch, housing to bracket, production.	1
10A	413-432	BOLT - hex, 1/4 NC x 2 inch, service	1
11	231-1444	NUT - hex, self-locking, 1/4 inch NC	1
12	N14285	BRACKET - lamp, mounting.	1
13	A52216	BRACKET - mounting, lamp, includes stud	1
14	121-119	BOLT - hex serrated flange, 5/16 NC x 2-1/4 inch, black, special, used in production, for service order item 14A.	1
14A	413-536	BOLT - hex, 5/16 NC x 2-1/4 inch, service.	1
15	65881H	SPACER - tubular, 1/4 x 1-1/4 inch	1
16	231-1445	NUT - hex, self-locking, 5/16 inch NC	1



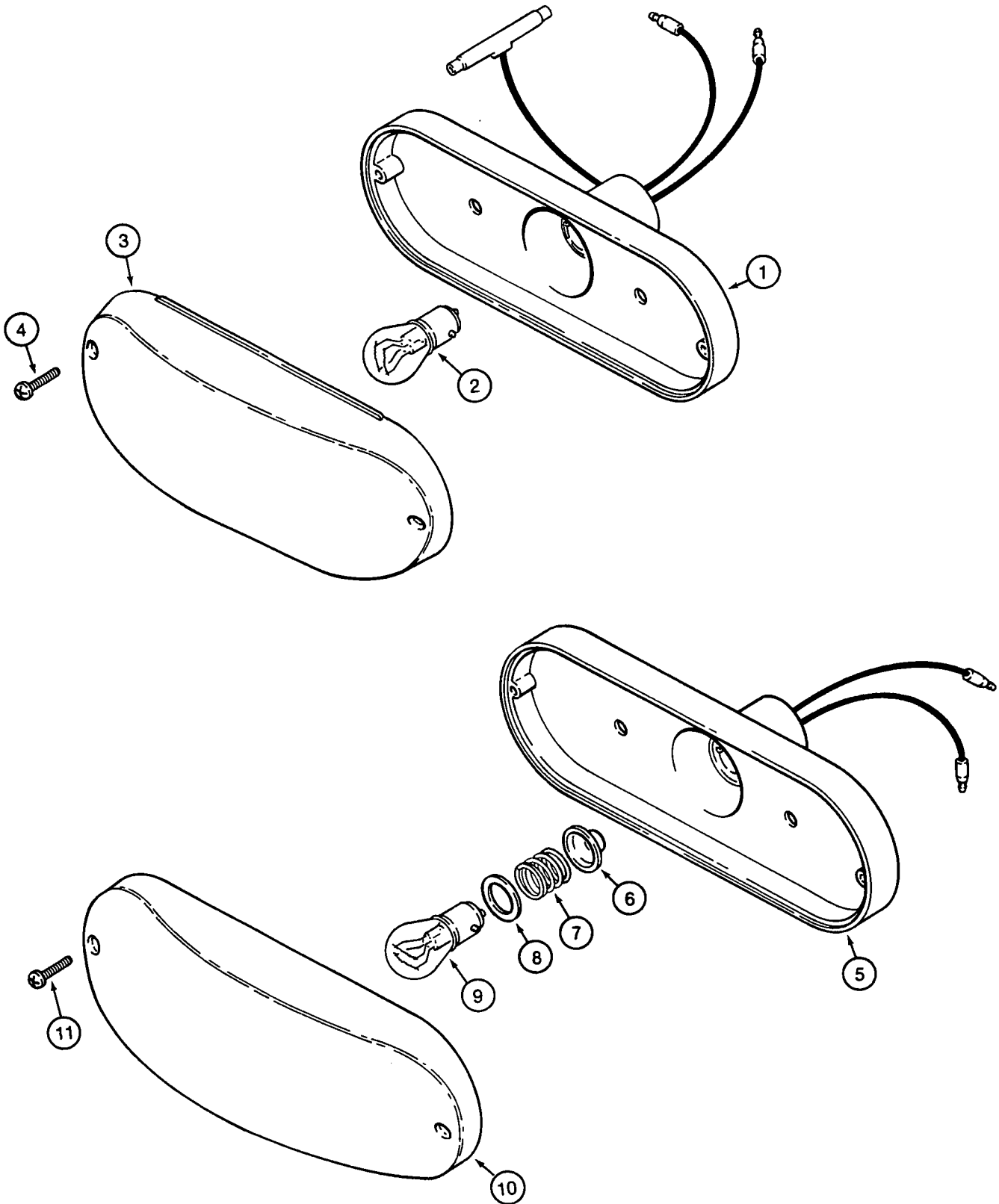
570LXT and 580L Series 2

4-37

TRACTOR LAMPS
CAB MODELS OR 570LXT SHORT ROPS CANOPY MODELS
WITH MINIMAL ROOF
FRONT DRIVING, REAR FLOOD, AND
FRONT AND REAR WORK LAMPS

REF.	PART NO.	DESCRIPTION	REQ'D.
	109080A1	LAMP ASSEMBLY - front driving.	2
	109081A1	LAMP ASSEMBLY - flood and work, rear flood and front and rear work lamps.	6
1	NSS	HOUSING - lamp	1
2	A187912	LAMP - sealed beam, 109080A1 lamp.	1
2A	A187911	LAMP - sealed beam, 109081A1 lamp.	1
3	273-5048	SCREW - self-tapping, flat head slotted, No. 8-18 x 1/2 inch.	2
4	A187914	BRACKET - mounting, lamp.	1
5	413-432	BOLT - hex, 1/4 NC x 2 inch	1
6	231-5144	NUT - hex serrated flange, 1/4 inch NC	1

4-38



570LXT and 580L Series 2
CANOPY TRACTOR LAMPS
580L OR 570LXT MODELS
STOP AND TAIL LAMPS AND
TURN SIGNAL AND FLASHER LAMPS

4-39

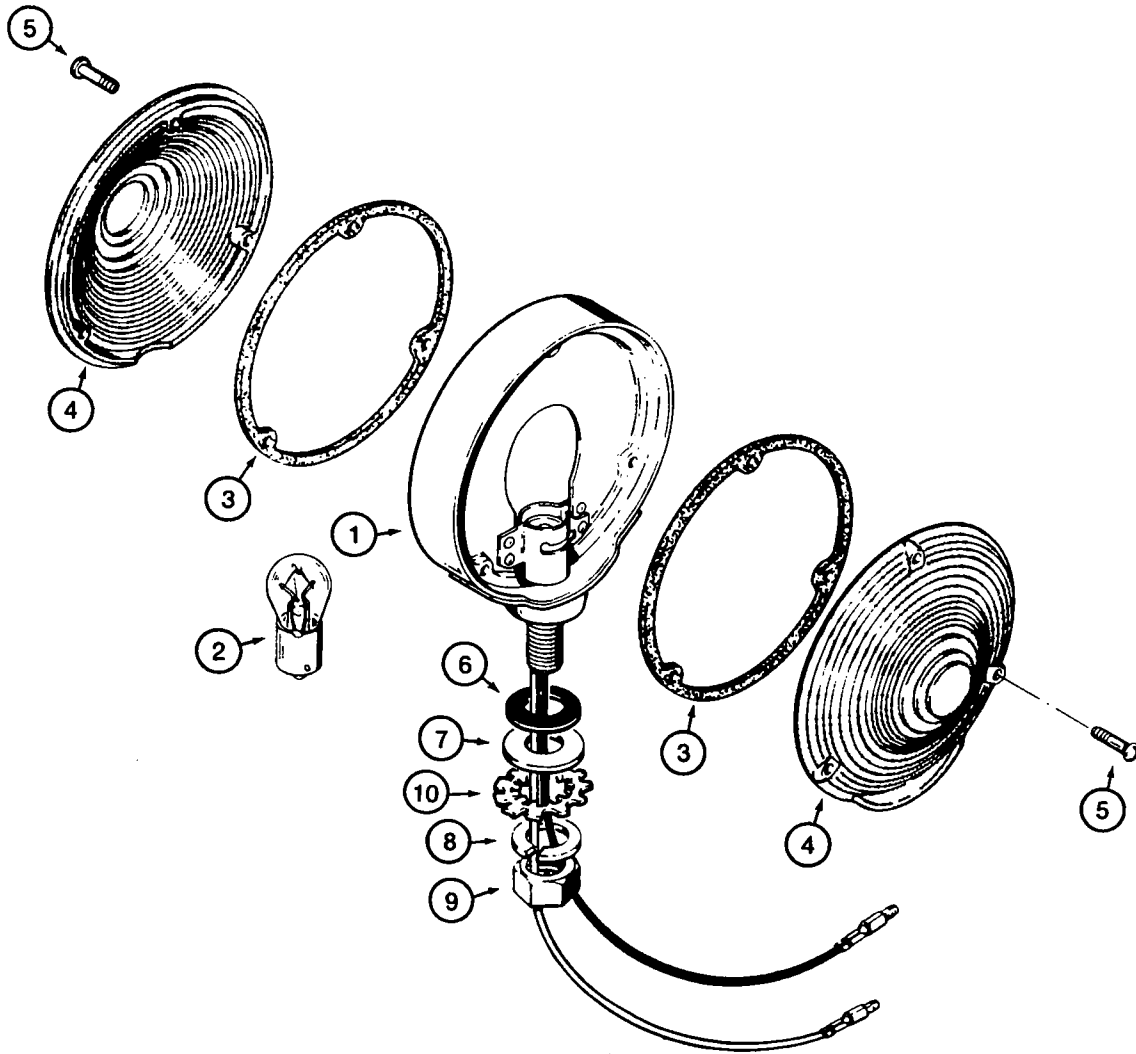
REF.	PART NO.	DESCRIPTION	REQ'D.

STOP AND TAIL LAMP

	D121152	LAMP ASSEMBLY - stop and tail, red.	2
1	NSS	BODY - lamp, complete	1
2	T34857	BULB - lamp, No. 1157, stop and tail.	1
3	N6836	LENS - red, lamp	1
4	261-14310	SCREW - self-tapping, pan Phillips, No. 6 NC x 5/8 inch.	2

TURN SIGNAL AND FLASHER

	D135384	LAMP ASSEMBLY - turn signal and flasher, amber	4
5	NSS	BODY AND SOCKET - lamp	1
6	NSS	SEAL - rubber, spring retaining	1
7	NSS	SPRING - lamp.	1
8	NSS	INSULATOR - lamp	1
9	A41264	BULB - lamp, 12 volt, No. 1156, turn signal and flasher	1
10	N14283	LENS - amber, lamp.	1
11	261-14310	SCREW - self-tapping, pan Phillips, No. 6 NC x 5/8 inch.	2



570LXT and 580L Series 2

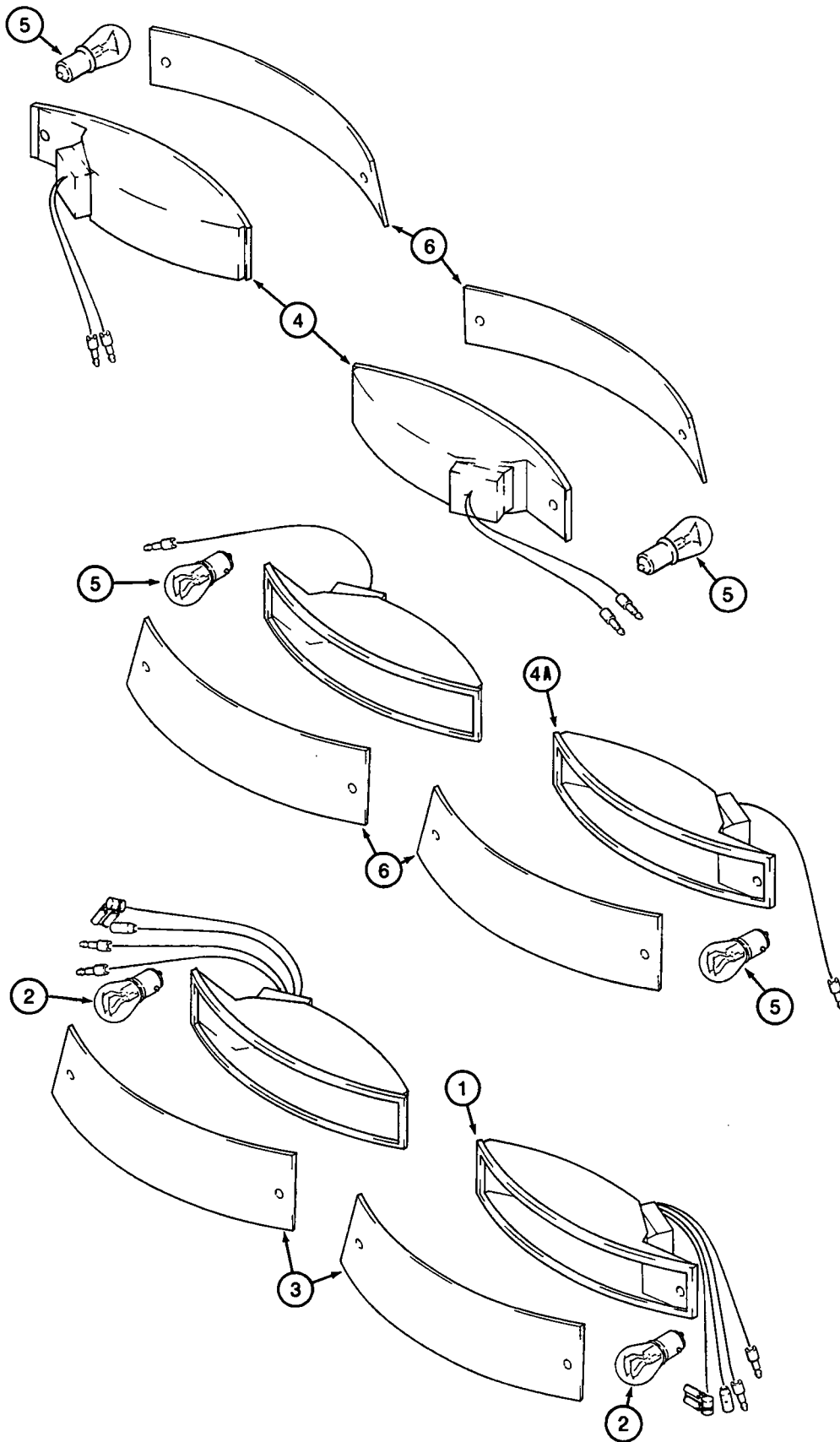
4-41

CANOPY TRACTOR LAMPS

**570LXT SHORT ROPS CANOPY WITH MINIMAL ROOF
TURN SIGNAL AND FLASHER LAMPS**

REF.	PART NO.	DESCRIPTION	REQ'D.
TURN SIGNAL AND FLASHER LAMP			
	D122121	LAMP ASSEMBLY - turn signal and flasher, for service order 197594A1 kit, see below	2
1	NSS	BODY - signal and flasher lamp	1
2	A41264	BULB - lamp, 12 volt, No. 1156	1
	L32214	KIT - lens replacement	2
3	NSS	GASKET - lens	1
4	NSS	LENS - amber	1
5	182-47	SCREW - machine, pan head slotted, No. 6 NC x 5/8 inch	3
6	L32256	BUSHING - rubber	1
7	495-21056	WASHER - flat, 9/16 x 1-3/8 x 7/64 inch	1
8	492-11050	WASHER - lock, 1/2 inch	1
9	425-118	NUT - hex, 1/2 inch NF	1
10	193-87	WASHER - internal-external tooth lock, 1/2 inch	2
	197594A1	KIT - service, includes D122121 lamp assembly, plus (2) 56698R1 terminal and an instruction sheet	2

4-42



570LXT and 580L Series 2

4-43

**CAB TRACTOR LAMPS
STOP AND TAIL LAMPS AND
TURN SIGNAL AND FLASHER LAMPS**

REF.	PART NO.	DESCRIPTION	REQ'D.

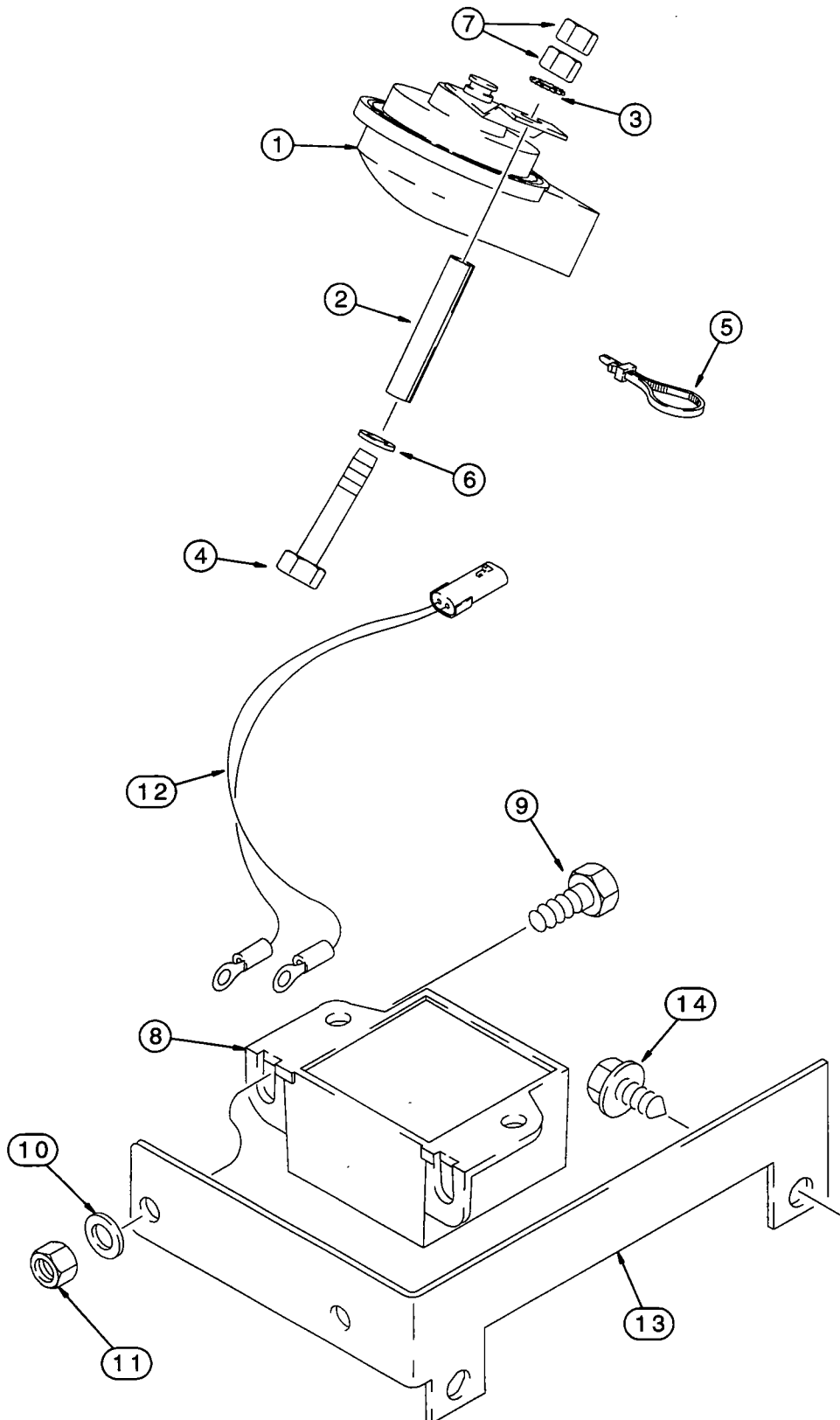
STOP AND TAIL LAMP

	131794A1	LAMP ASSEMBLY - stop and tail, red lens, right rear, lower	1
	131795A1	LAMP ASSEMBLY - stop and tail, red lens, left rear, lower	1
1	NSS	BODY - lamp, complete	1
2	T34857	BULB - lamp, No. 1157, stop and tail	1
3	183749A1	LENS - lamp, red	1

TURN SIGNAL AND FLASHER

	131796A1	LAMP ASSEMBLY - turn signal and flasher, amber lens, right front	1
	183505A1	LAMP ASSEMBLY - turn signal and flasher, amber lens, right rear, upper.	1
	131797A1	LAMP ASSEMBLY - turn signal and flasher, amber lens, left front	1
	183504A1	LAMP ASSEMBLY - turn signal and flasher, amber lens, left rear, upper.	1
4	NSS	BODY - 131796A1 or 131797A1 lamp	1
4A	NSS	BODY - 183504A1 or 183505A1 lamp	1
5	A41264	BULB - lamp, 12 volt, No. 1156, turn signal and flasher	1
6	183748A1	LENS - lamp, amber.	1

4-44



570LXT and 580L Series 2
HORN AND BACKUP ALARM

4-45

REF.	PART NO.	DESCRIPTION	REQ'D.

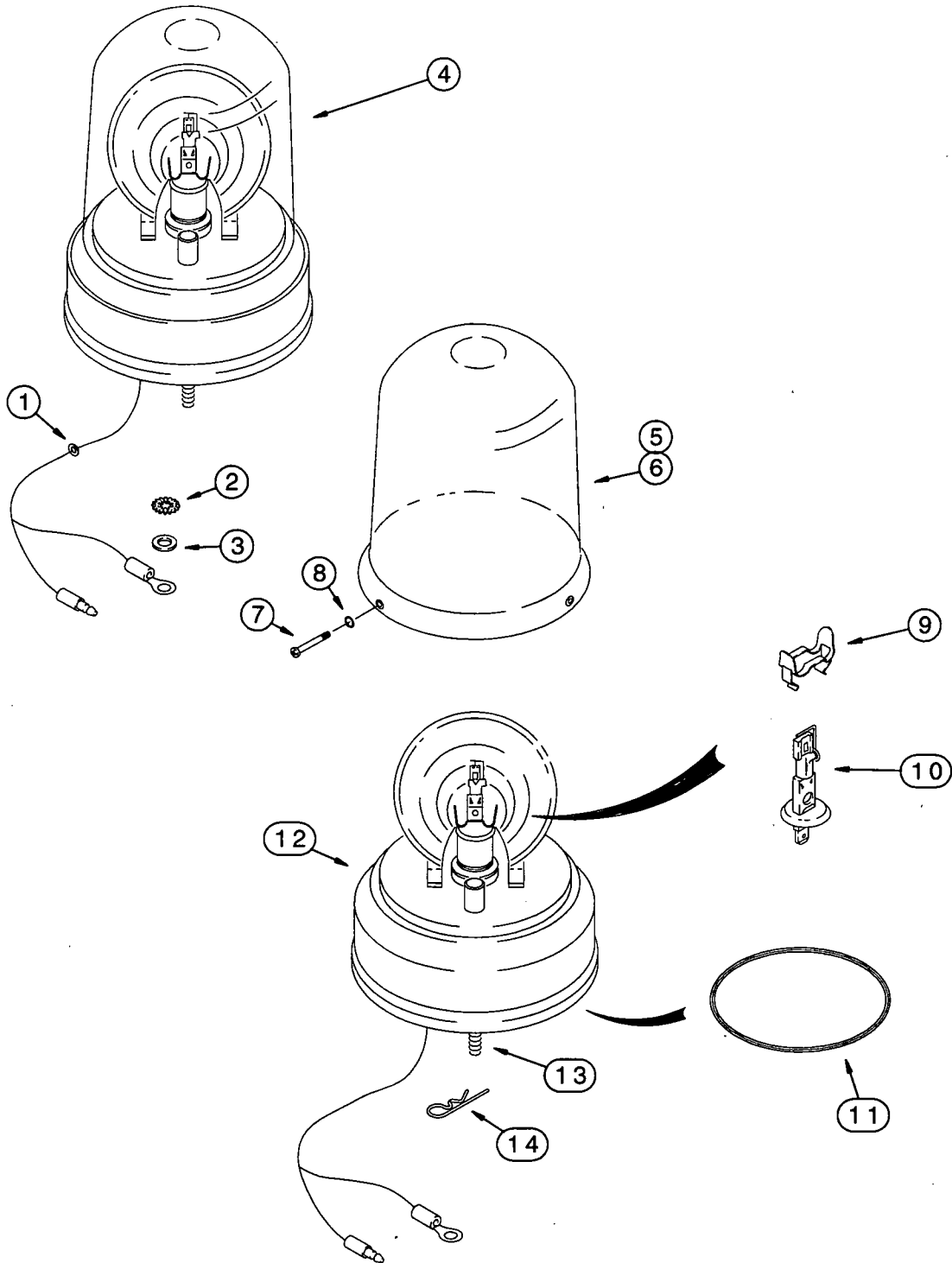
HORN

1	190155A1	HORN - 12 volt, includes mounting bracket.	1
2	116423A1	SPACER - split	1
3	893-11008	WASHER - external tooth lock, 8 mm	1
4	814-8110	BOLT - hex, 8 - 1.25 x 110 mm	1
5	L18337	STRAP - tie, 15 inch	4
6	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	1
7	829-1408	NUT - hex, 8 mm - 1.25, class 10	2

BACKUP ALARM

8	109511A1	ALARM - backup, attaches to main engine harness, see page 4-11 for engine harness options	1
9	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm	2
10	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	2
11	832-10408	NUT - hex, self-locking, 8 mm - 1.25	2
12	D139175	WIRE - pigtail, attaches main engine harness to alarm.	1
13	227120A1	BRACKET - backup alarm mounting, 570LXT models only, mounts to right-hand rear chassis side plate	1
14	121856A1	BOLT - hex washer, special, 10 - 1.5 x 30 mm	2

NOTE: See front console instrument harness page 4-17 for horn switch.



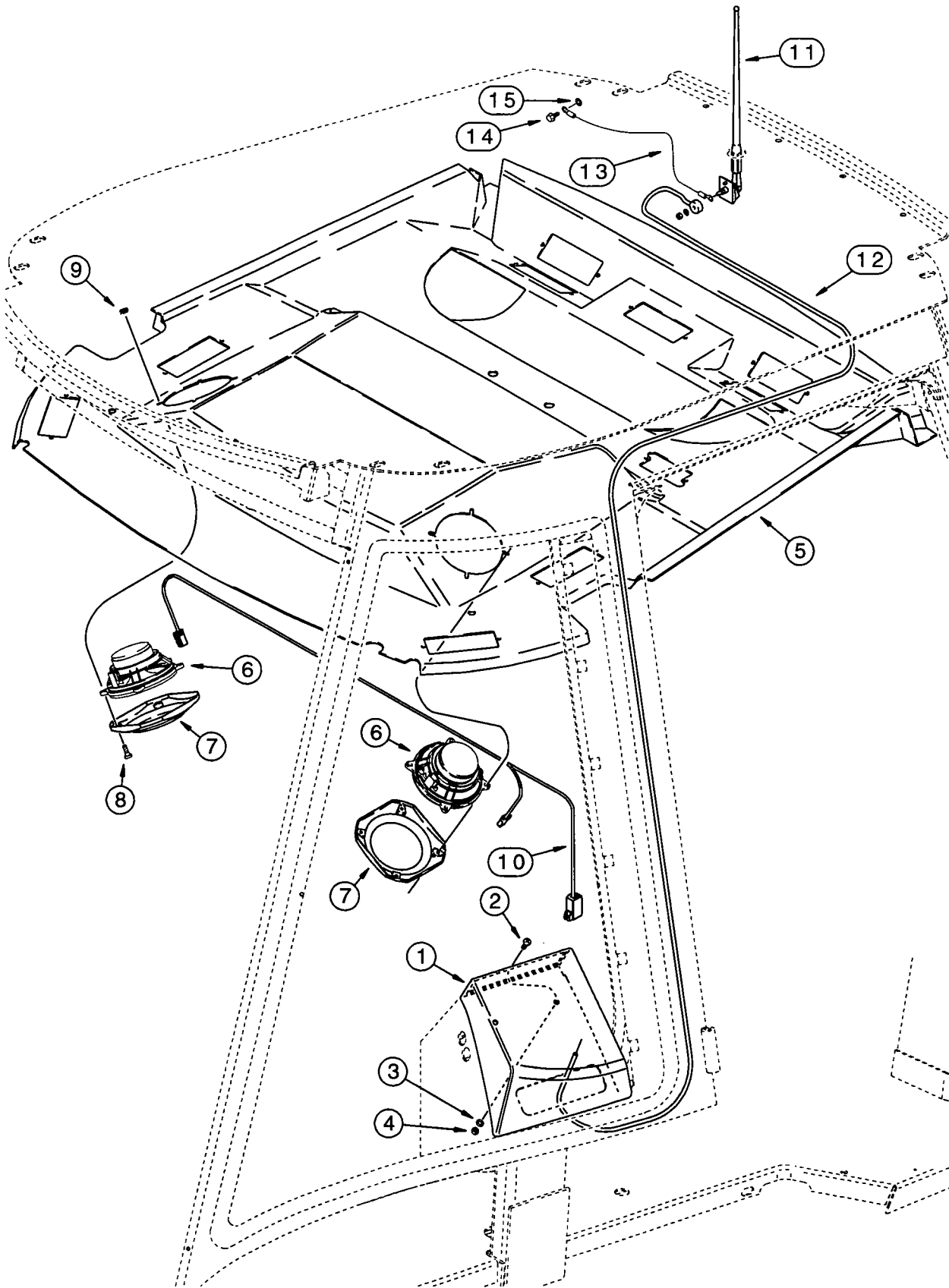
570LXT and 580L Series 2

4-47

**ROTATING BEACON
USED ON CAB OR CANOPY MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A23870	GROMMET - wire	1
2	493-11026	WASHER - internal-external tooth lock, 1/4 inch, ground	1
3	495-21031	WASHER - flat, 5/16 x 3/4 x 1/16 inch, ground	1
4	108366A1	BEACON ASSEMBLY - rotating, attaches to cab or canopy harness	1
5	A187542	LENS - beacon, amber, if used	1
6	127158A1	LENS - beacon, blue, if used	1
7	168-71	SCREW - drive, round head, No. 8 x 1/2 inch, lens mounting	3
8	238-5005	O-RING - 3/32 ID x 1/16 inch wide, lens mounting screw	3
9	101531A1	CLIP - bulb	1
10	3125705R1	LAMP - beacon, 12 volt, 55 watt	1
11	A187575	BELT - drive motor, rotating beacon	1
12	NSS	BASE - with drive motor	1
13	614-6020	BOLT - hex, full threads, 6 - 1.0 x 20 mm	3
14	136-54	PIN - cotter, hair, 1/4 x 11/16 inch, bolt retaining	3
15	133714A1	SWITCH - rocker, rotating beacon, not shown	1

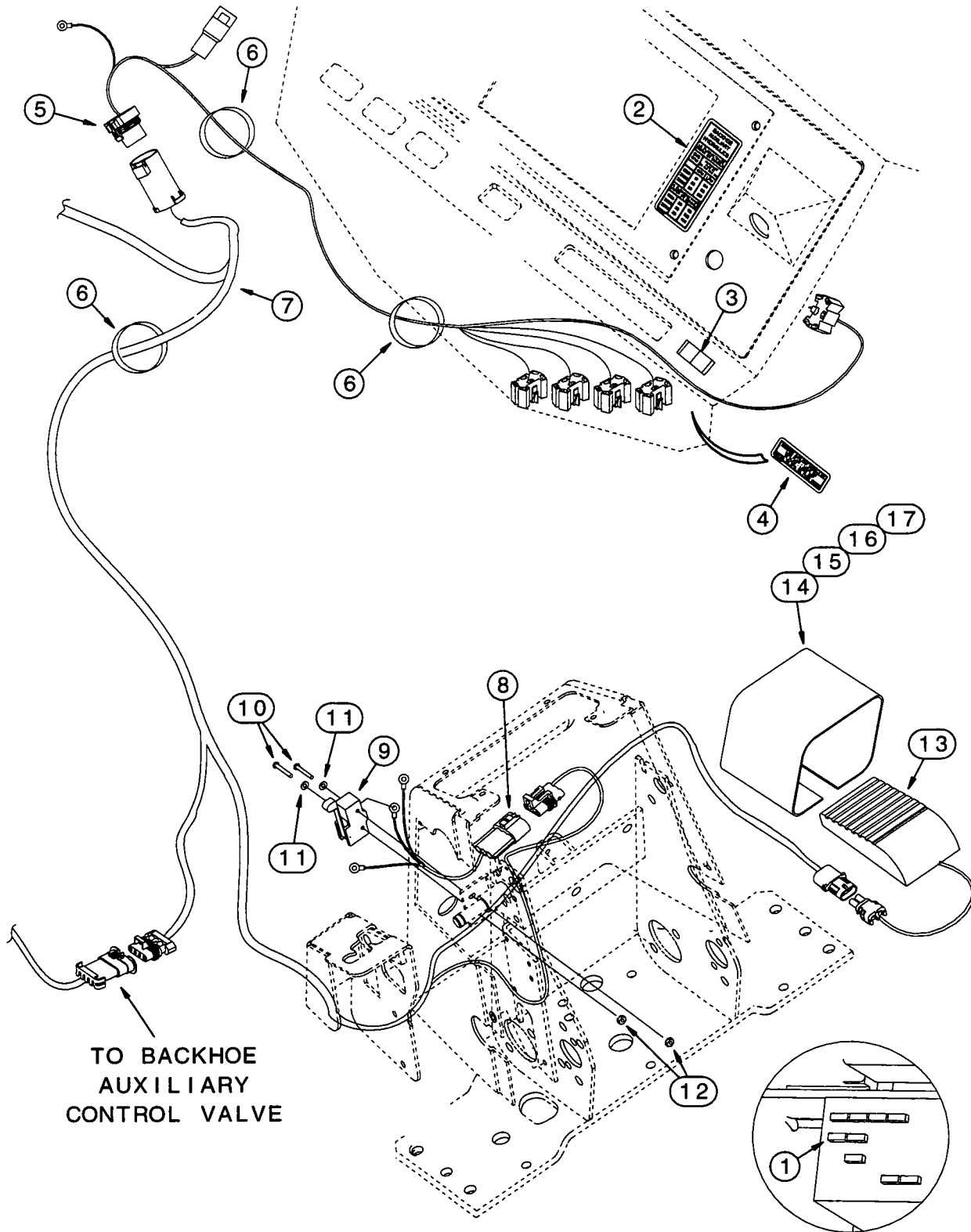
NOTE: See side console instrument panel page 4-25 for beacon switch location and page 4-19 for fuse.



570LXT and 580L Series 2
4-49
***RADIO MOUNTING BOX, ANTENNA AND SPEAKERS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	*292654A1	PACKAGE - radio-ready, order from Machinery Price List, also includes right-hand side instrument panel, see page 4-25	1
1	221418A1	BOX - radio mounting.	1
2	161-115	SCREW - hex socket button head, 1/4 NC x 3/4 inch	2
3	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch	2
4	231-1444	NUT - hex, self-locking, 1/4 inch NC	2
	300701A1	HEADLINER ASSEMBLY - cab, models with radio-ready package, see page 9-157 for headliner components.	1
5	300157A1	HEADLINER ASSEMBLY - cab, models with radio-ready package	1
6	182721A2	SPEAKER - radio, 5-1/4 inch, round.	2
7	187281A1	GRILLE - speaker cover	2
8	761-17325	SCREW - self-tapping, pan Phillips, 4.2 - 1.4 x 25 mm	8
9	177269A1	NUT - U-type, spring	8
10	298228A1	HARNESS - speaker	1
11	197745A1	ANTENNA - radio, includes flat washer and nut which are not serviced separately	1
12	284549A1	CABLE - antenna	1
13	291010A1	WIRE - antenna ground, ground eyelet must be mounted on cab side of antenna cable or am radio will not operate	1
14	760-14413	SCREW - self-tapping, pan Phillips, 4.8 - 1.8 x 13 mm	1
15	893-11005	WASHER - external tooth lock, 5 mm	1

*** NOTE:** Does not include radio. Parts Buyers Guide 98-9 advises that ZAE1000, ZAE2000, ZAE3000 or ZAE50 radios may be used with the above package and also advises that ZAE1121875 adapter kit is needed to mount these radios on units. If unit is not equipped with the above radio-ready package, then order ZAE900LKT radio kit.



570LXT and 580L Series 2

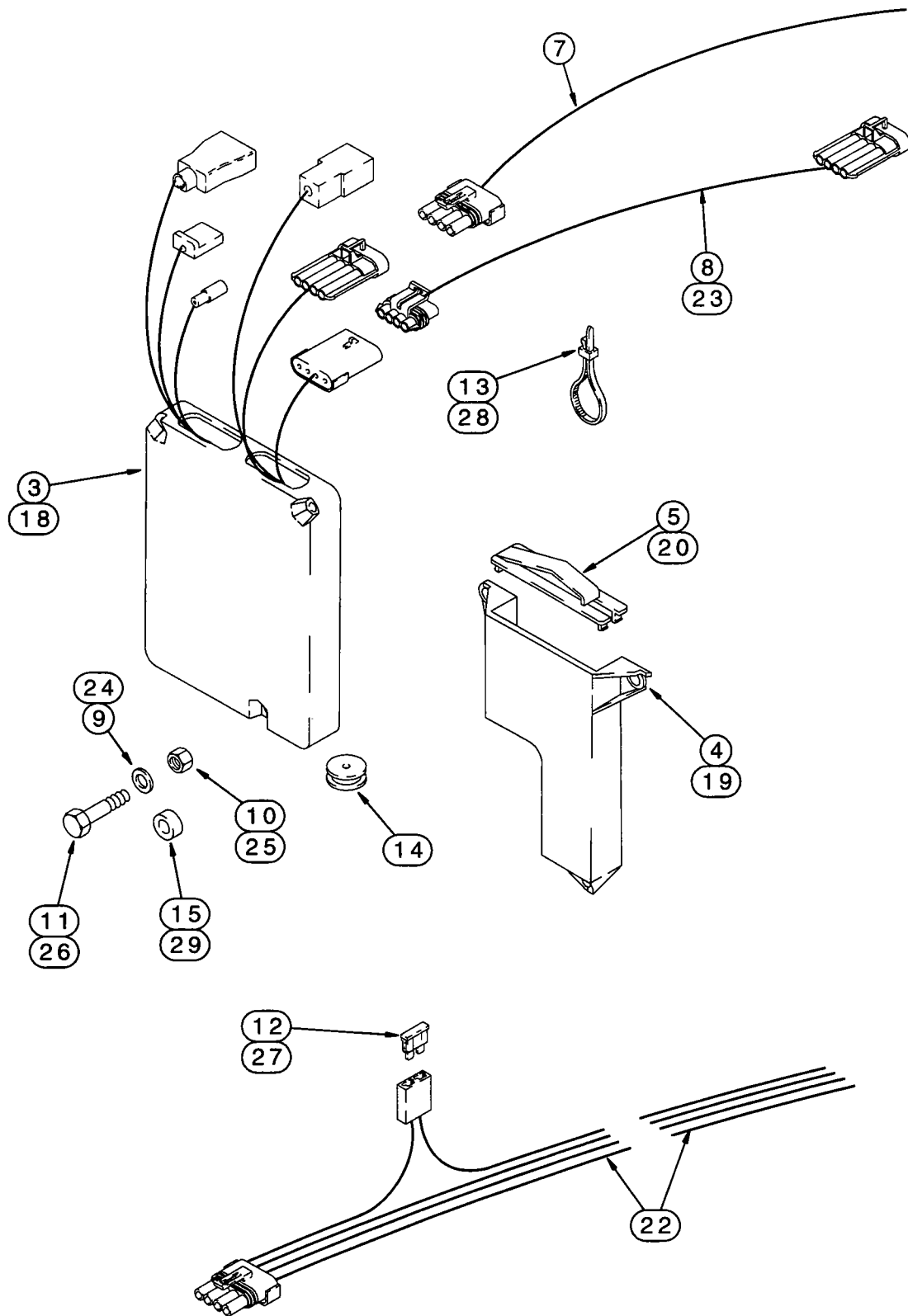
4-51

BACKHOE AUXILIARY HYDRAULIC ELECTRICAL CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	121413A1	FUSE - mini, 15 ampere	1
2	284481A1	DECAL - backhoe auxiliary hydraulics, rpm/gpm/lpm	1
3	284058A1	SWITCH - rocker, backhoe auxiliary hydraulics, was mounted below key switch, now mounts behind throttle slot.	1
4	284627A1	DECAL - backhoe auxiliary hydraulics, low flow - light on/hi flow - light off	1
5	296508A2	HARNESS - side console options, attaches to side console harness and chassis options harness	1
6	L18337	STRAP - tie, 15 inch	4
7	302803A2	HARNESS - chassis options, replaces 302803A1 harness.	1
8	298681A1	HARNESS - pigtail, detent lever	1
9	D137363	SWITCH - contact, limit	1
10	440-10616	SCREW - machine, pan Phillips, No. 6 NC x 1 inch	2
11	895-11004	WASHER - flat, 4.4 x 9 x 0.8 mm	2
12	193-1003	NUT - hex, with external tooth lock washer, No. 6 NC	2
13	137219A1	SWITCH - foot, backhoe auxiliary hydraulics	1
14	300030A1	GUARD - foot switch	1
15	843-1516	SCREW - machine, flat Phillips, 5 - 0.8 x 16 mm	2
16	892-11005	WASHER - lock, 5 mm	2
17	824-1405	NUT - hex, 5 mm - 0.8	2

NOTE: See pages 8-47 - 8-51 for backhoe auxiliary hydraulics, page 9-43 for auxiliary control lever and page 9-25 for the backhoe control tower cover used with auxiliary hydraulics.

4-52



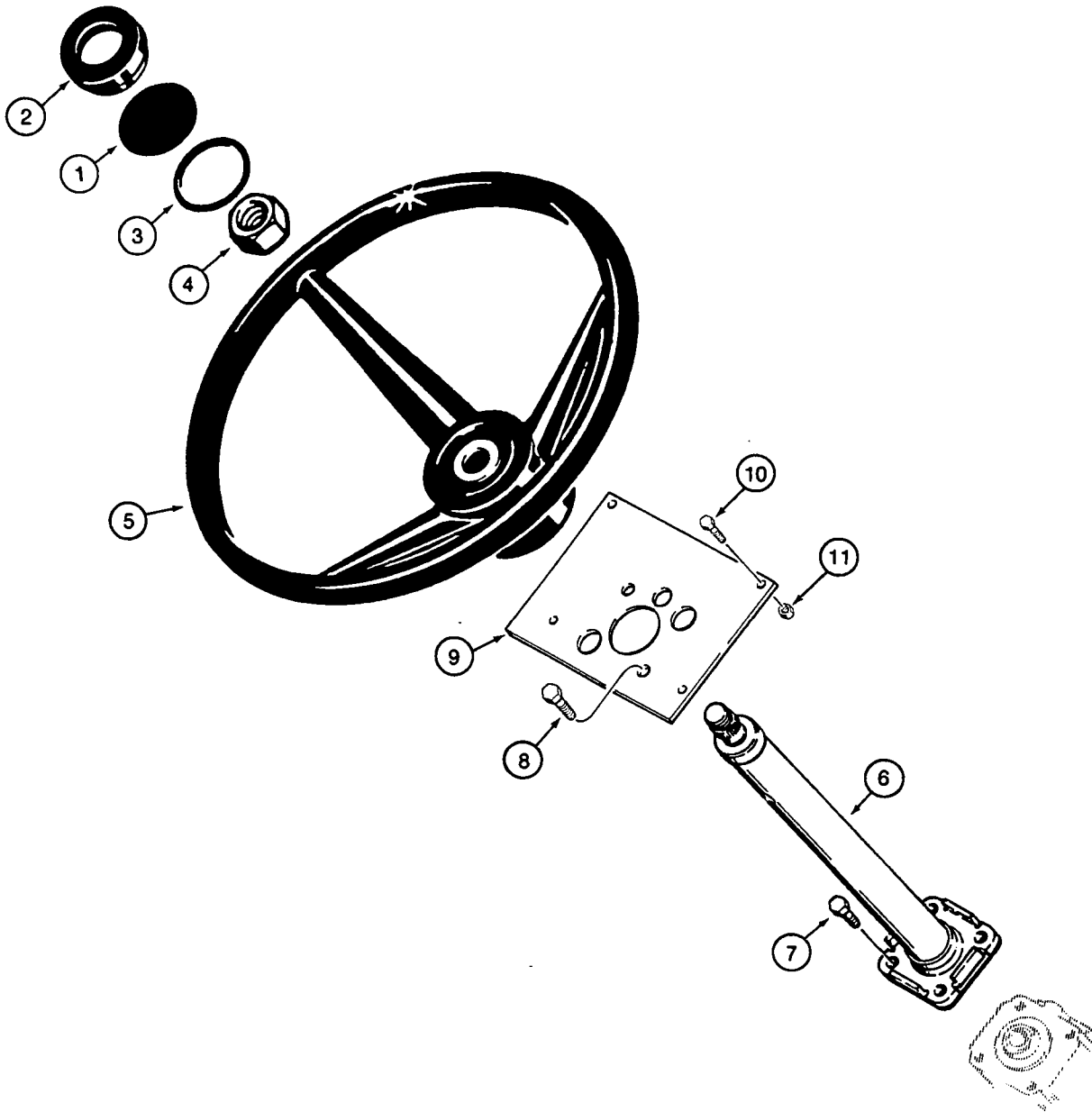
570LXT and 580L Series 2**4-53****FLEET MANAGEMENT SYSTEM
(MOBILE DATA COLLECTION DEVICE FOR
REMOTE ACCESS VISIBILITY)**

REF.	PART NO.	DESCRIPTION	REQ'D.
	304327A3	PACKAGE - fleet management, L Series tractors, includes instructions, mounts on right-hand fender under right-hand console, order through Parts and Components	1
1	304319A1	ANTENNA - global positioning system (GPS), mounts on right-hand ROPS post, not shown	1
2	304320A1	ANTENNA - cellular, mounts on floor next to right-hand console, not shown	1
3	304321A1	BOX - remote access visibility (RAV) module	1
4	304322A1	BRACKET - battery housing.	1
5	304323A1	COVER - battery cap	1
6	304325A1	BATTERY - remote access visibility (RAV) module, not shown.	1
7	296508A2	HARNESS - side console options	1
8	304125A1	HARNESS - extension	1
9	895-15006	WASHER - flat, 6.6 x 25 x 1.6 mm.	3
10	832-10406	NUT - hex, self-locking, 6 mm - 1.0	3
11	614-6050	BOLT - hex, full threads, 6 - 1.0 x 50 mm	3
12	121412A1	FUSE - mini, 10 ampere.	1
13	L18337	STRAP - tie, 15 inch.	6
14	314896A1	GROMMET - GPS antenna	1
15	315326A1	SPACER - plastic, 6.4 x 10.5 x 7.50 mm	3
	304326A3	PACKAGE - fleet management, universal kit for equipment other than Case L Series tractors, includes instructions, order through Parts and Components	1
16	304319A1	ANTENNA - global positioning system (GPS), not shown	1
17	304320A1	ANTENNA - cellular, not shown	1
18	304321A1	BOX - remote access visibility (RAV) module	1
19	304322A1	BRACKET - battery housing.	1
20	304323A1	COVER - battery cap	1
21	304325A1	BATTERY - remote access visibility (RAV) module, not shown.	1
22	304124A1	HARNESS - power, universal.	1
23	304125A1	HARNESS - extension	1
24	895-15006	WASHER - flat, 6.6 x 25 x 1.6 mm.	3
25	832-10406	NUT - hex, self-locking, 6 mm - 1.0	3
26	614-6050	BOLT - hex, full threads, 6 - 1.0 x 50 mm	3
27	A149800	FUSE - red, 10 ampere, auto type	1
28	L18337	STRAP - tie, 15 inch.	6
29	315326A1	SPACER - plastic, 6.4 x 10.5 x 7.50 mm	3

ALPHABETICAL INDEX
STEERING

DESCRIPTION	PAGE
Axle and Spindles	5-15
Column - Steering.....	5-9
Cylinder - Two Wheel Drive	5-13
Hub and Bearings	5-17
Hydraulic Circuit	5-5,5-7
Valve - Steering Control.....	5-11
Wheel - Steering	5-3
Wheels and Tires.....	5-19

5-2



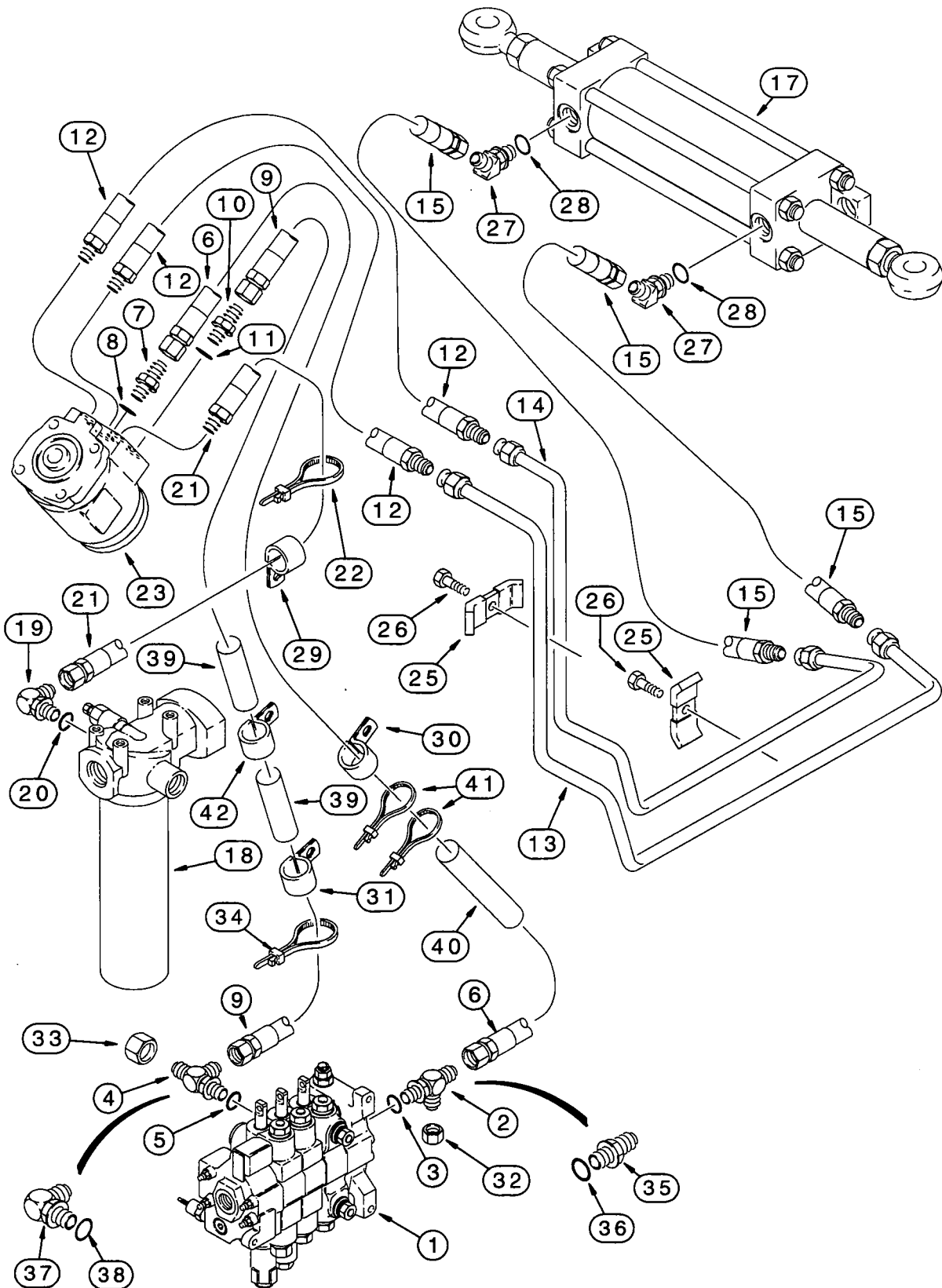
570LXT and 580L Series 2

5-3

STEERING WHEEL AND STEERING COLUMN

REF.	PART NO.	DESCRIPTION	REQ'D.
1	1342054C1	INSERT - plastic, black	1
2	114882A1	CAP - steering wheel	1
3	238-5227	O-RING - 2-1/8 ID x 1/8 inch wide, cap	1
4	1959509C1	NUT - lock, special, steering wheel retaining.	1
5	A65544	WHEEL - steering, tractor	1
6	142930A1	COLUMN ASSEMBLY - steering, parts list page 5-9	1
7	614-10020	BOLT - hex, full threads, 10 - 1.5 x 20 mm	2
8	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	2
9	183085A2	PLATE - mounting, steering column	1
10	614-8020	BOLT - hex, full threads, 8 - 1.25 x 20 mm	4
11	829-1408	NUT - hex, 8 mm - 1.25, class 10	4

NOTE: See page 4-17 for turn signal rocker switch.

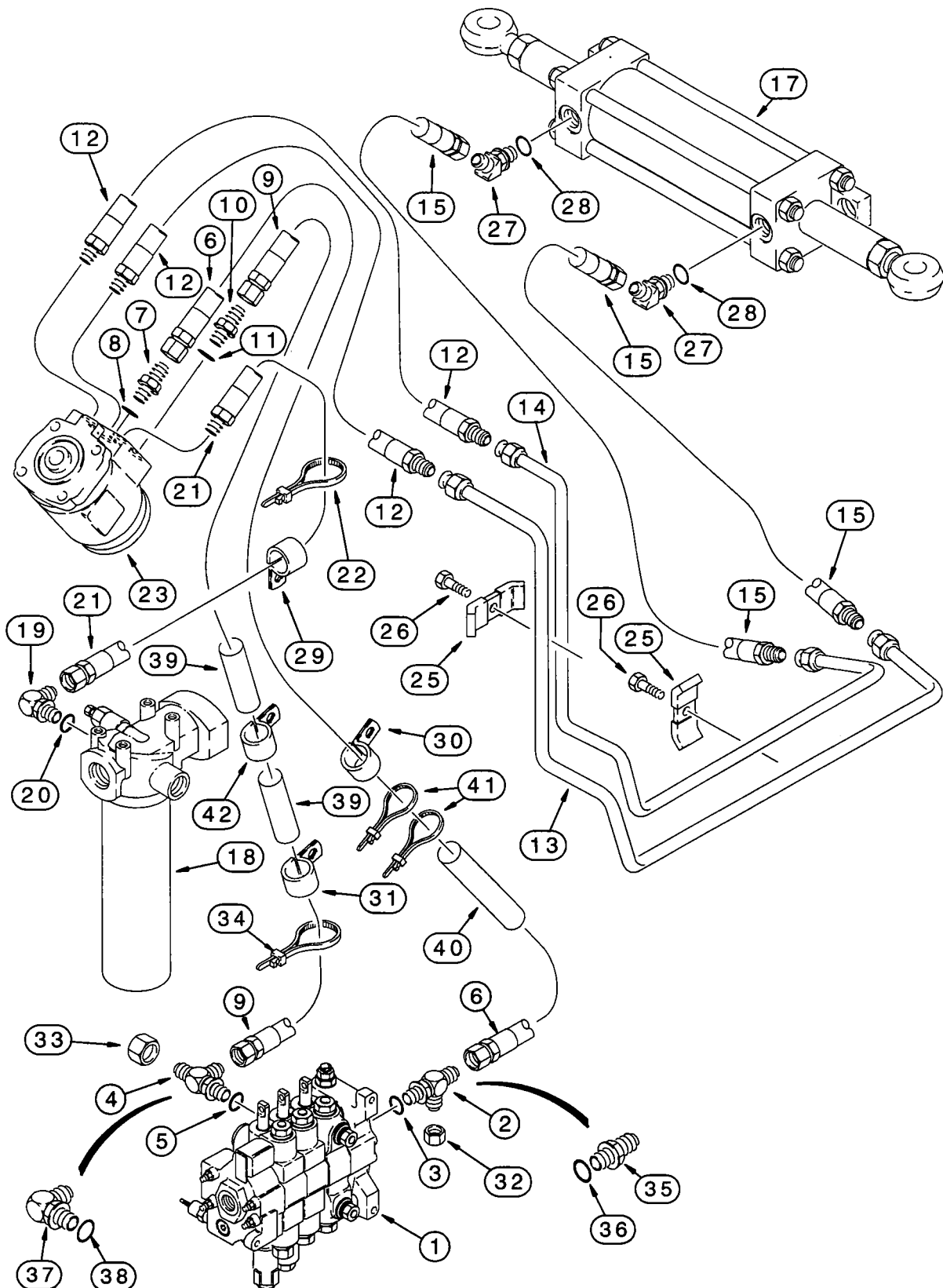


570LXT and 580L Series 2
STEERING HYDRAULIC CIRCUIT

5-5

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - loader control, for correct assembly and components, see page 8-71 or 8-73	1
2	282428A1	VALVE - steering check, models with hand held auxiliary hydraulics, if used.	1
3	237-6006	O-RING - 15/32 ID x 5/64 inch wide.	1
4	218-5576	TEE - 3/4-16 fl branch x 1-1/16-12 fl x 7/8-14 inch adj O-ring, lower inlet port, for 45 degree elbow used with this tee on models with ride control, see page 8-57	1
5	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
6	144221A1	HOSE - 1275 mm (50-3/16 inch) long, steering pilot, steering control valve small center port to loader control valve.	1
7	218-5053	ADAPTER - straight, 7/16-20 flare x O-ring boss	1
8	237-6004	O-RING - 23/64 ID x 5/64 inch wide.	1
9	224423A1	HOSE - 1300 mm (51-3/16 inch) long, steering pressure, loader control valve to steering control valve lower right-hand port	1
10	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss.	1
11	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
12	132929A1	HOSE - 730 mm (28-3/4 inch) long, steering control valve upper and lower left-hand ports to tubes	2
13	120386A1	TUBE - lower, to steering cylinder right-hand port hose	1
14	120388A1	TUBE - upper, to steering cylinder left-hand port hose	1
15	144219A1	HOSE - 485 mm (19-3/32 inch) long, to right-hand and left-hand port of steering cylinder.	2
17	G107720	CYLINDER ASSEMBLY - 70 (2-3/4) ID x 170 mm (6-45/64 inch) stroke, steering, parts list page 5-13	1
18	122536A1	FILTER ASSEMBLY - hydraulic oil, parts list page 8-137	1
19	218-5280	ELBOW - 90 degree, 3/4-16 flare x 9/16-18 inch adj O-ring boss	1
20	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1

Continued on next page

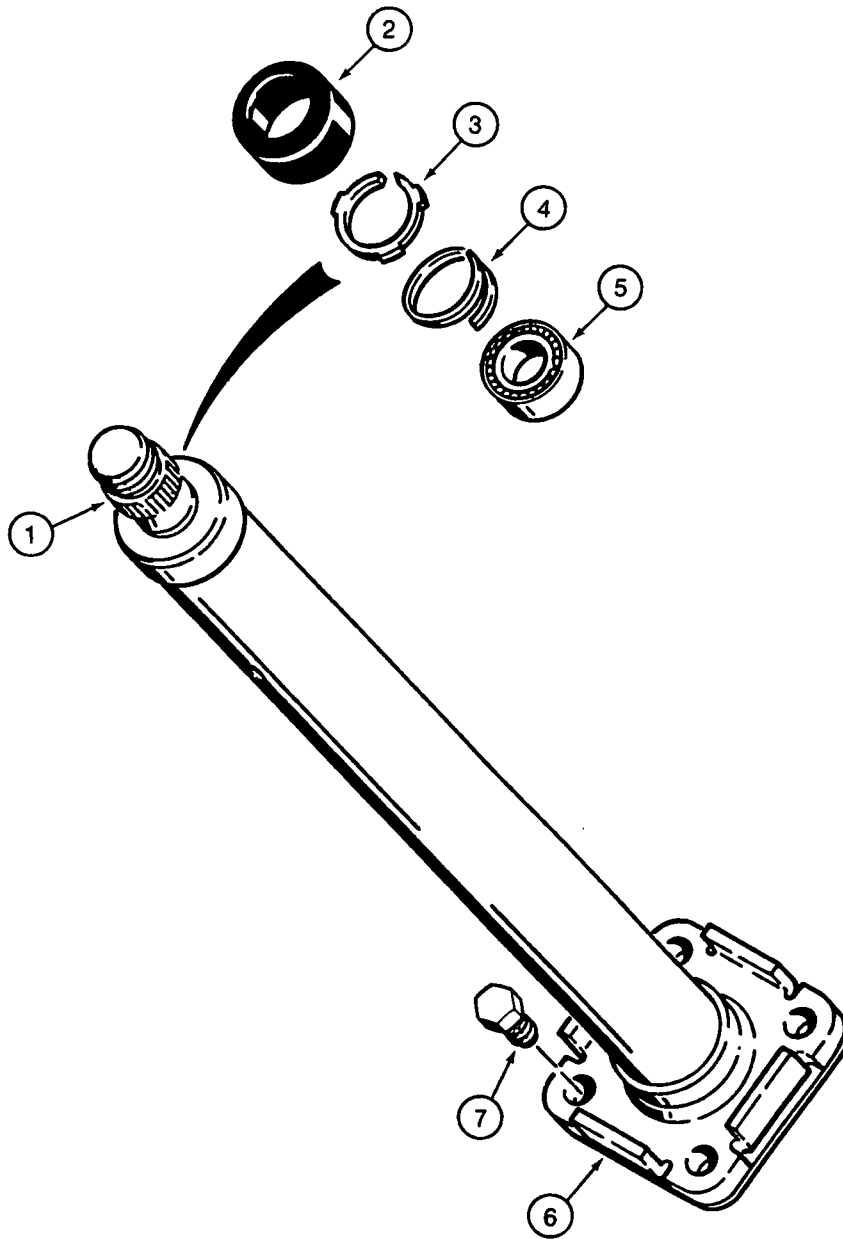


570LXT and 580L Series 2
STEERING HYDRAULIC CIRCUIT

5-7

REF.	PART NO.	DESCRIPTION	REQ'D.
21	176328A1	HOSE - 1730 mm (68-1/8 inch) long, steering return, steering control valve upper right-hand port to hydraulic oil filter	1
22	L18337	STRAP - tie, 15 inch, nylon, retaining, use (1) to tie return hose, item 21, to corner of crossover tube, item 2, shown on page 7-9, use (1) to tie pilot hose, item 6, and pressure hose, item 9, together.	5
23	120421A2	VALVE ASSEMBLY - steering control, parts list page 5-11	1
25	D40236	CLAMP - tube	2
26	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	2
27	218-5136	ELBOW - 45 degree, 3/4-16 inch flare x adj O-ring boss, for fittings used on four-wheel drive, see page 6-3	2
28	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
29	515-23190	CLAMP - P-type, 3/4 inch ID	1
30	515-22127	CLAMP - P-type, 1/2 inch ID	1
31	515-23159	CLAMP - P-type, 5/8 inch ID	1
32	218-754	CAP - hex, 9/16-18 inch, if used	1
33	218-756	CAP - hex, 7/8-14 inch, if used	1
34	L18337	STRAP - tie, 15 inch	1
35	218-5057	ADAPTER - straight, 9/16-18 inch flare x O-ring boss, may be used on models without auxiliary hydraulics, if used.	1
36	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
37	218-5121	ELBOW - 90 degree, 3/4-16 flare x 7/8-14 inch adj O-ring boss, may be used on models without auxiliary hydraulics, if used.	1
38	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
39	D132982	SLEEVE - hose guard	2
40	191704A1	SLEEVE - hose guard, 460 mm (18-1/8 inch) long	1
41	L18337	STRAP - tie, 15 inch	2
42	49773	CLAMP - P-type.	1

5-8



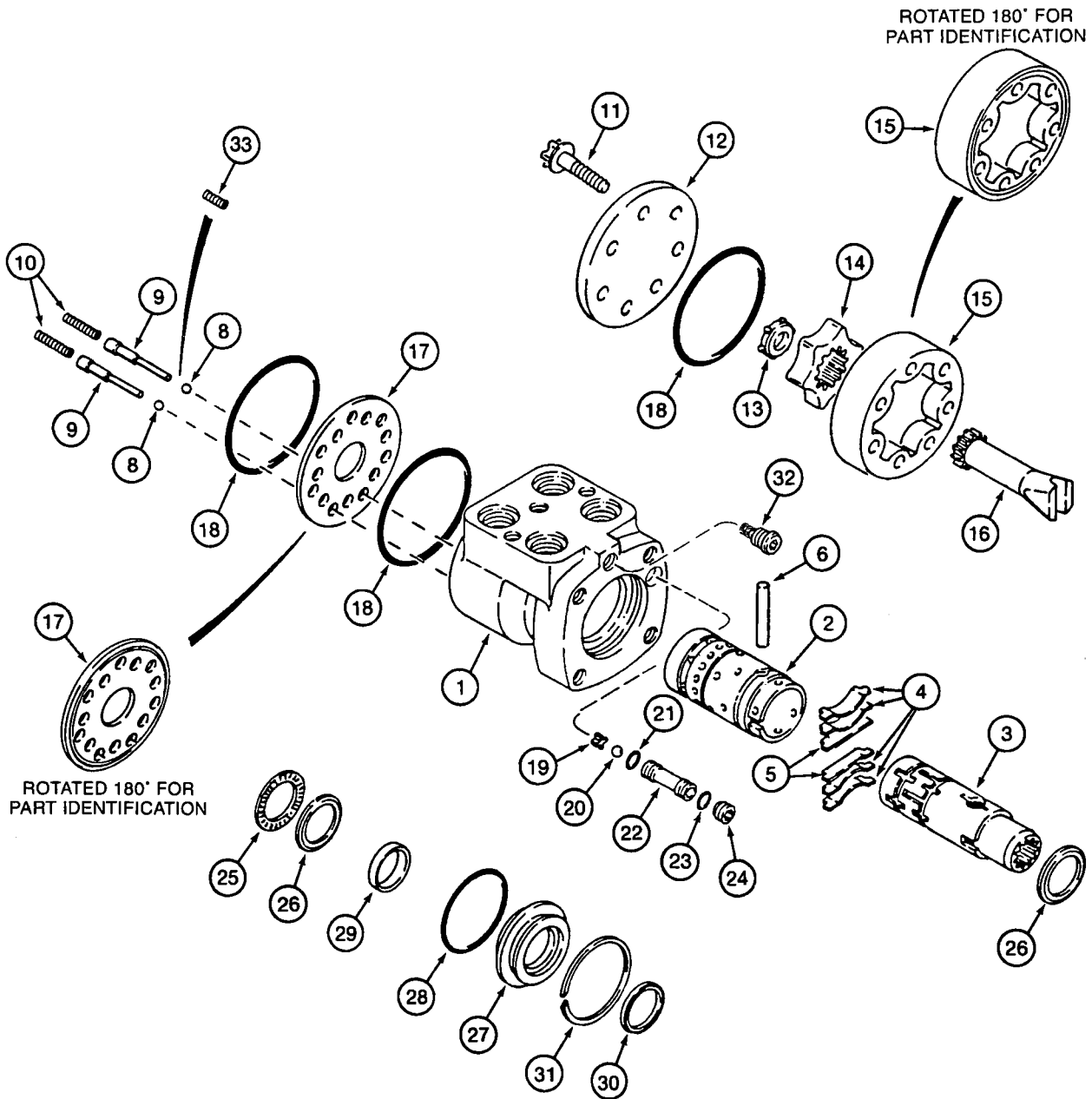
570LXT and 580L Series 2

5-9

STEERING COLUMN

REF.	PART NO.	DESCRIPTION	REQ'D.
	142930A1	COLUMN ASSEMBLY - steering.	1
1	NSS	COLUMN - steering shaft.	1
2	S115351	CAP - shaft.	1
3	NSS	RETAINER - bearing.	1
4	102-1387	RING - external spiral retaining, No. 87, bearing.	1
5	L30881	BEARING - roller, steering shaft.	1
6	NSS	FLANGE - tube.	1
7	614-10020	BOLT - hex, full threads, 10 - 1.5 x 20 mm.	2

5-10



570LXT and 580L Series 2

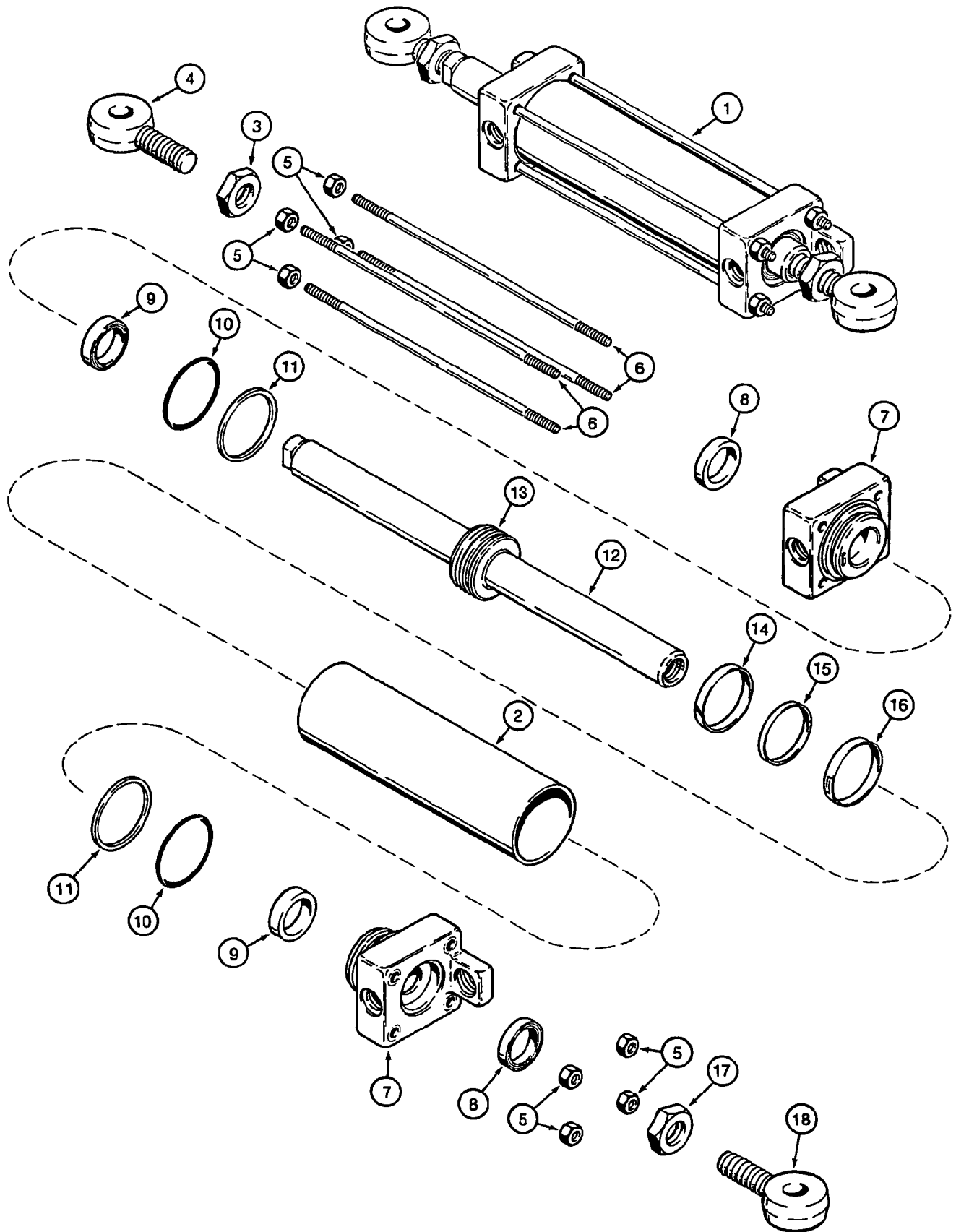
STEERING CONTROL VALVE

5-11

REF.	PART NO.	DESCRIPTION	REQ'D.
	120421A2	VALVE ASSEMBLY - steering control	1
1	#NSS	HOUSING - control valve	1
2	NSS	SLEEVE - control valve	1
3	NSS	SPOOL - control valve	1
	N14250	KIT - centering spring	1
4	L30889	SPRING - spool, centering, 6 in kit, order N14250 kit.	4
5	NSS	SPACER - spring	2
6	L30888	PIN - roll, centering.	1
8	211-1006	BALL - chrome alloy steel, 3/16 inch, grade 24, anticavitation.	2
9	136494A1	RETAINER - spring, anticavitation	2
10	N14763	SPRING - anticavitation	2
11	143717A1	BOLT - 12 point flange, special, 5/16 NC x 2 inch	7
12	135867A1	CAP - end, without O-ring groove	1
13	143723A1	SPACER - gerotor, drive shaft	1
	143721A1	GEROTOR - pump, control valve.	1
14	NSS	ROTOR - control valve	1
15	NSS	STATOR - control valve	1
16	L30878	SHAFT - drive, gerotor, steering control valve	1
17	135869A1	PLATE - spacer, with O-ring groove.	1
18	*238-5040	O-RING - 2-7/8 ID x 1/16 inch wide, cover and housing	3
19	L35368	RETAINER - check ball	1
20	211-1010	BALL - chrome alloy steel, 5/16 inch, grade 24, check	1
21	*L30893	O-RING - 7/16 inch ID, seat, inner	1
22	D82806	SEAT - ball, check	1
23	*238-5012	O-RING - 3/8 ID x 1/16 inch wide, seat, outer	1
24	D82805	SCREW - set, hex socket, special	1
25	G13609	BEARING - needle, spool.	1
26	D82804	RACE - thrust, bearing, bearing	2
27	S110170	GLAND - seal, spool, seal	1
28	*238-5225	O-RING - 1-7/8 ID x 1/8 inch wide, seal retainer	1
29	*NSS	SEAL - spool, inner	1
30	*697494R91	SEAL - 1 inch ID, spool, outer	1
31	S110169	RING - retaining, seal.	1
32	NSS	VALVE ASSEMBLY - relief, factory preset, do not remove	1
33	196087A1	SPRING - detent, check ball	2
	*1343658C3	KIT - seal, low torque, includes above items marked with an asterisk	1

#NOTE: Housing may have a 5/16 - 24 inch hole tapped next to the center hole (steering pilot pressure). The 5/16 inch hole has a Parker Hannifin fitting #2 hp50n-2 installed in it. This is a hollow hex straight thread O-ring plug. The plug must be purchased from Parker Hannifin with the O-ring or use 218-5205 plug with 237-6002 O-ring.

5-12



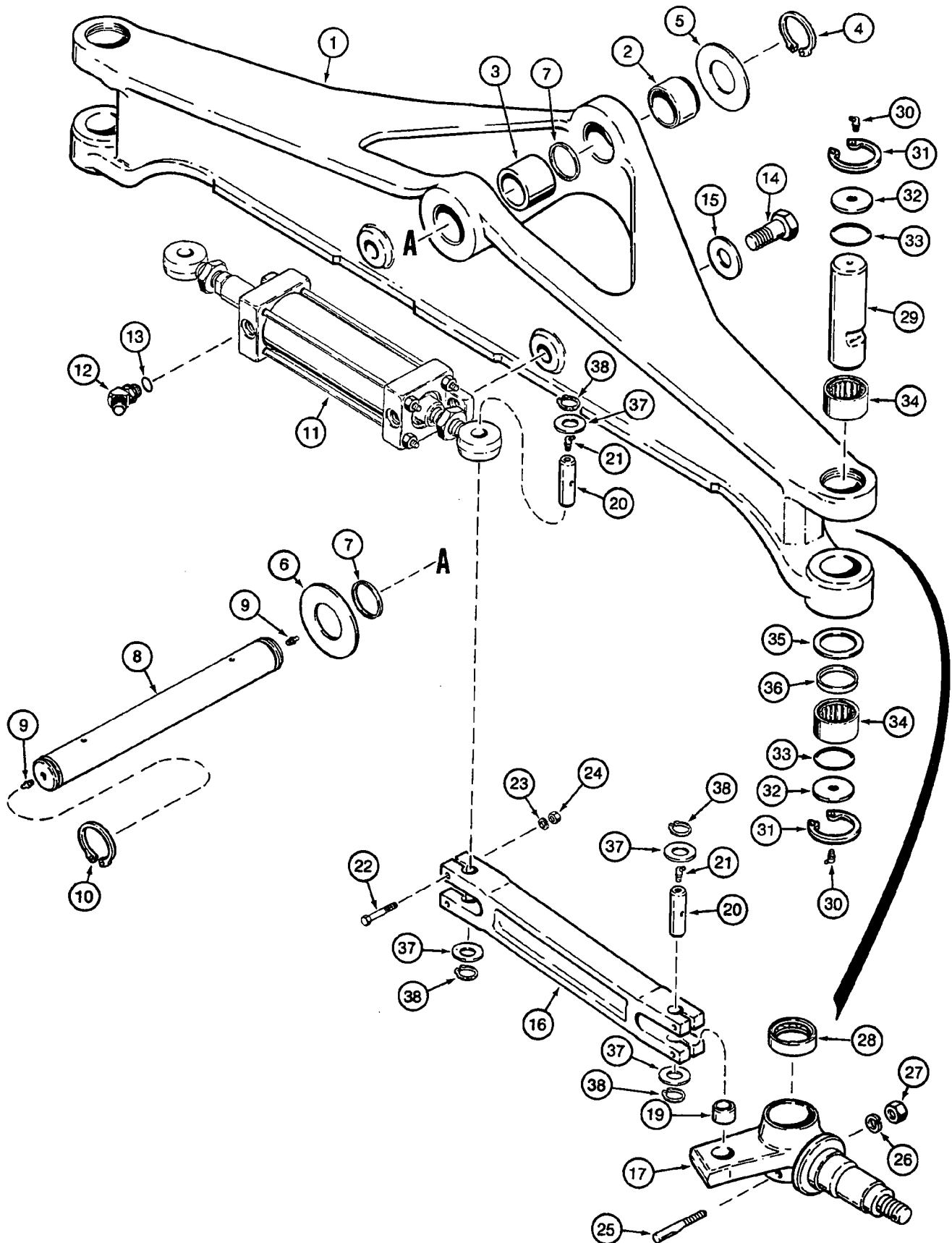
570LXT and 580L Series 2**5-13****STEERING CYLINDER*****TWO WHEEL DRIVE FRONT AXLE**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	G107720	CYLINDER ASSEMBLY - 70 (2-3/4) ID x 170 mm (6-45/64 inch) stroke, see footnote, steering, two wheel drive front axle	1
2	G106808	TUBE - cylinder	1
3	129-369	NUT - hex, jam, left-hand thread, 7/8 inch NF	1
4	G106832	EYE - rod, left-hand thread.	1
5	425-106	NUT - hex, 3/8 inch NC	8
6	G106817	ROD - tie, 338 mm (13-5/16 inch) long, cylinder	4
7	G106810	GLAND - cylinder	1
8	**D95142	WIPER - piston rod, outer	1
9	**G107921	SEAL - U-cup, piston rod, wide, with O-ring.	1
10	**238-5230	O-RING - 2-1/2 ID x 1/8 inch wide, gland.	1
11	**G32129	RING - backup, gland O-ring	1
	G107721	ROD ASSEMBLY - piston, 38 mm (1-1/2 inch) diameter.	1
12	NSS	ROD - piston	1
13	NSS	PISTON - cylinder.	1
14	**G105187	RING - wear, piston	1
15	**G104439	RING - seal, inner.	1
16	**G104454	SEAL - piston, expandable, outer.	1
17	425-1514	NUT - hex, jam, 7/8 inch NF.	1
18	G106813	EYE - rod, right-hand thread	1
	**G110045	KIT - seal, includes all items with an asterisk	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

***NOTE:** See page 6-9 for the four-wheel drive front axle steering cylinder.

5-14

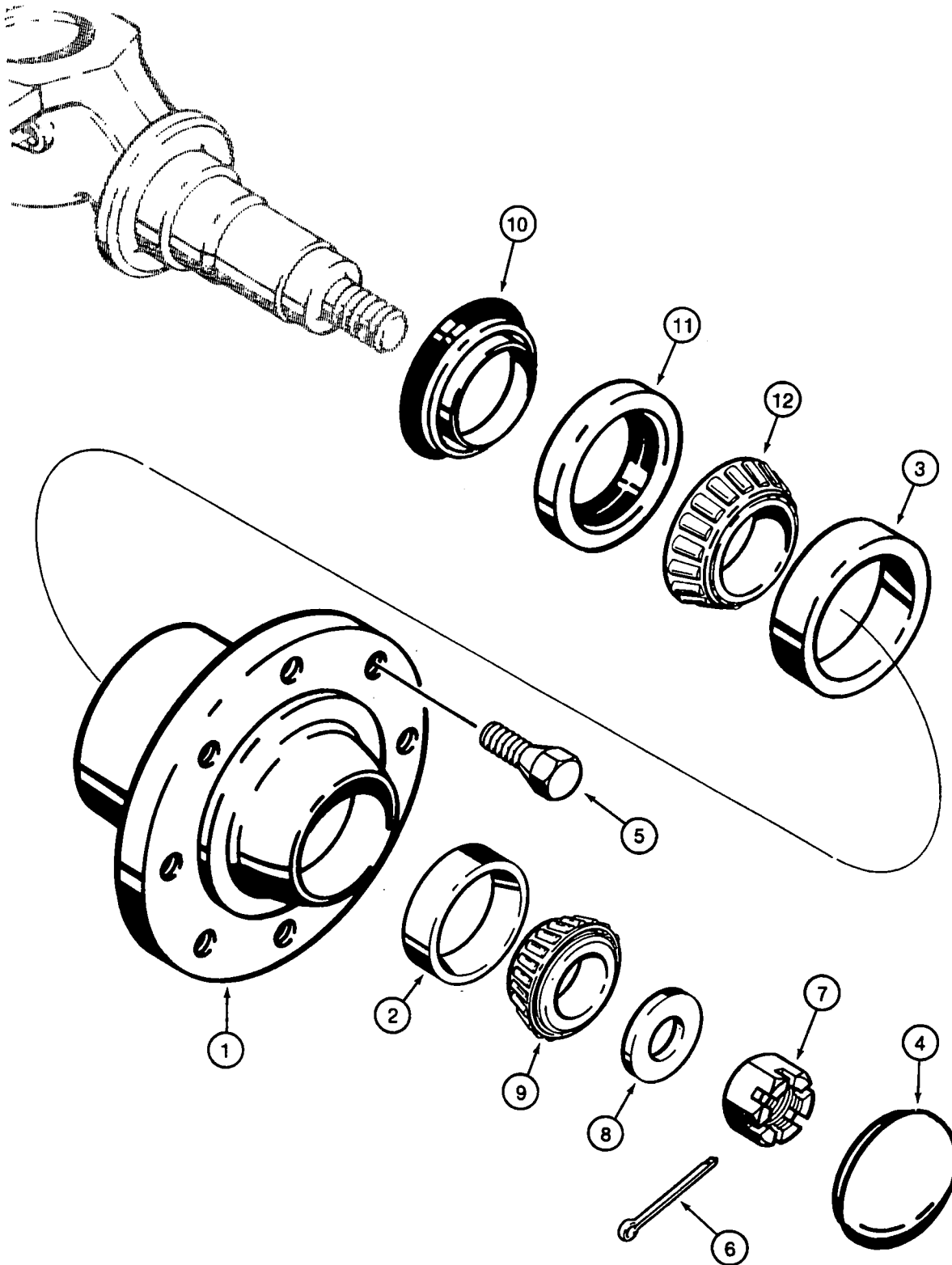


570LXT and 580L Series 2
FRONT AXLE AND SPINDLES
TWO WHEEL DRIVE MODELS

5-15

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D138954	AXLE ASSEMBLY - front, with single rear bushing	1
2	D137345	BUSHING - axle, front	1
3	D138047	BUSHING - 54 mm (2-1/8 inch) long, axle, rear	1
4	800-44050	RING - external retaining, No. 50, axle pivot pin retaining, front	1
5	191796A1	WASHER - flat, special, used as spacer	UAR
6	D123684	WASHER - thrust, 2-1/16 x 4-1/2 x 3/16 inch, front	1
7	D123655	SEAL - grease	2
8	138616A1	PIN - axle pivot	1
9	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
10	800-44050	RING - external retaining, No. 50, axle pivot pin retaining, rear	1
11	G107720	CYLINDER ASSEMBLY - 70 (2-3/4) ID x 170 mm (6-45/64 inch) stroke, two wheel drive front axle, parts list page 5-13	1
12	218-5136	ELBOW - 45 degree, 3/4-16 inch flare x adj O-ring boss	2
13	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
14	13-1638	BOLT - hex, 1 NC x 2-3/8 inch	2
15	D36505	WASHER - flat, special, 1-1/16 x 1-7/8 x 9/64 inch, 1-1/16 x 1-7/8 x 9/64 inch, hardened	2
16	D123806	LINK - steering	2
17	D125340	SPINDLE ASSEMBLY - right-hand	1
18	D125341	SPINDLE ASSEMBLY - left-hand, not shown	1
19	D127507	BUSHING - spindle, used on D125340 or D125341 spindle	1
20	D150155	PIN - steering link	4
21	219-89	FITTING - grease, 45 degree, 1/8 PT self-tap x 25/32 inch	4
22	413-632	BOLT - hex, 3/8 NC x 2 inch	8
23	492-11038	WASHER - lock, 3/8 inch	8
24	425-106	NUT - hex, 3/8 inch NC	8
25	*D57486	PIN - kingpin lock	2
26	492-11050	WASHER - lock, 1/2 inch	2
27	425-118	NUT - hex, 1/2 inch NF	2
28	*A27602	BEARING - roller, steering knuckle, spindle	2
29	*D123865	KINGPIN - front axle	2
30	*219-89	FITTING - grease, 45 degree, 1/8 PT self-tap x 25/32 inch	4
31	*100-21237	RING - internal retaining, No. 237, bearing retaining	4
32	*D72371	SPACER - kingpin	4
33	*238-5139	O-RING - 2-3/16 ID x 3/32 inch wide, kingpin seal	4
34	*A28230	BEARING - needle, kingpin	4
35	*D72372	WASHER - thrust, bearing	2
36	*D61297	SEAL - oil	2
37	495-11094	WASHER - flat, 15/16 x 1-3/4 x 1/8 inch	8
38	103-1687	RING - heavy external retaining, No. 87, pin	8
	*D103626	KIT - kingpin, includes items marked with an asterisk, quantity in kit services one side of axle	1

5-16



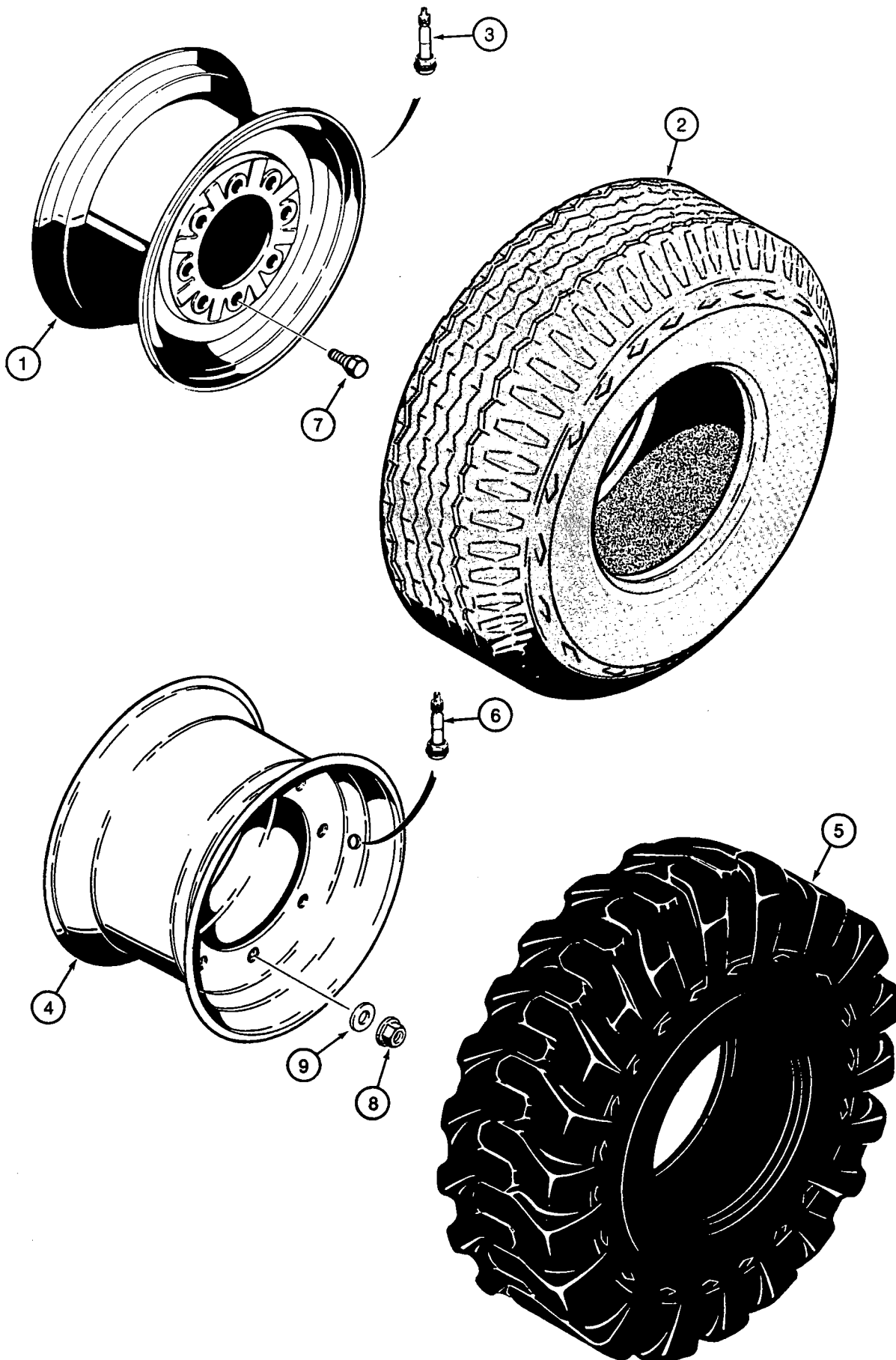
570LXT and 580L Series 2

5-17

FRONT WHEEL HUB AND BEARINGS

REF.	PART NO.	DESCRIPTION	REQ'D.
	D75103	HUB ASSEMBLY - front wheel, order items 1-3	2
1	A66759	HUB - front wheel	1
2	*619387R1	CUP - tapered roller bearing, 3-1/16 inch OD, outer, tapered roller bearing	1
3	*625743C1	CUP - tapered roller bearing, 3-35/64 inch OD, inner, tapered roller bearing	1
4	D143405	CAP - hub	2
5	A38208	BOLT - wheel retaining	16
6	432-1232	PIN - cotter, 3/16 x 2 inch	2
7	425-1918	NUT - hex, thick slotted, 1-1/8 inch NF	2
8	D74949	WASHER - flat, special, 1-1/8 inch	2
9	*G15215	BEARING - tapered roller, outer	2
10	*A61449	SEAL - spindle	2
11	*A61448	SEAL - hub	2
12	*A61447	CONE - tapered roller bearing, 2-1/16 inch ID, inner.	2
	*B93222	KIT - wheel bearing, includes above items marked with an asterisk, two kits required per tractor	1

5-18



570LXT and 580L Series 2
FRONT WHEELS AND TIRES

5-19

REF.	PART NO.	DESCRIPTION	REQ'D.

FOR 11L x 16 - 10 PR F3 TIRES
TWO WHEEL DRIVE MODELS

1	D125223	WHEEL - rim	2
2	REF	TIRE - front, purchase locally	2
3	A38261	VALVE - stem, tire inflation	2

FOR 12 x 16.5 - 8 PR TIRES
FOUR WHEEL DRIVE MODELS

4	119243A1	WHEEL - rim, 8-hole pattern	2
5	REF	TIRE - front, purchase locally	2
6	A38261	VALVE - stem, tire inflation	2

WHEEL BOLTS
TWO WHEEL DRIVE MODELS

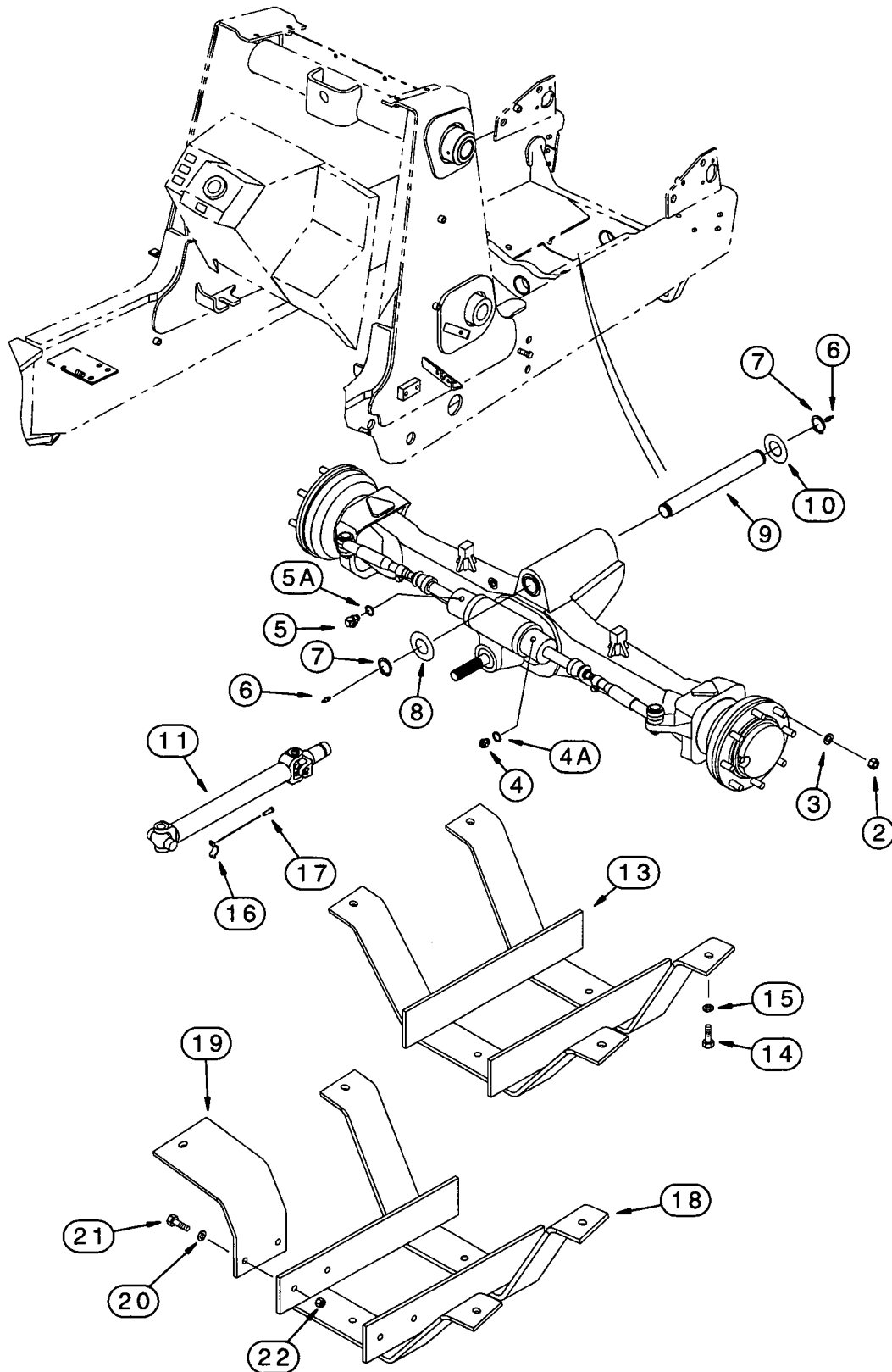
7	A38208	BOLT - wheel retaining	16

WHEEL NUTS
FOUR WHEEL DRIVE MODELS

8	825-11418	NUT - hex, 18 mm - 1.5, special	16
9	496-81000	WASHER - flat, 25/32 x 1-3/8 x 1/8 inch, hardened	16

ALPHABETICAL INDEX
POWER TRAIN

DESCRIPTION	PAGE
Axle - Front Four-Wheel Drive	
Cylinder - Steering	6-9
Differential	6-15
Drive Shaft - to Transmission	6-19
Housing	6-5
Mounting	6-3
Planetary	6-13
Ring and Pinion Gear Set	6-17
Shafts	6-11
Swivel Housing	6-7
Axle - Rear Drive	
Differential	6-65
Differential Lock	6-61,6-69
Drive Shaft - to Transmission	6-73
Housing	6-63
Mounting	6-59
Planetary	6-71
Ring and Pinion Gear Set	6-67
Cooling System	6-21,6-23
Drive Shaft - Front Drive Axle to Transmission	6-19
Drive shaft - Rear Drive Axle to Transmission	6-73
Transmission	
Dipstick	6-25
Filter - Oil	6-29
Housing	6-31,6-33
Idler and Primary Shaft	6-41
Input Shaft	6-43
Mounting	6-25,6-27
Output Shaft	6-49
Pump - Oil	6-35
Secondary Shaft	6-45,6-47
Shift Lever	6-25
Shifter Mechanism	6-37,6-39
Valve - Control	6-51,6-53
Valve - Solenoid	6-55
Wheels and Tires - Rear	6-57

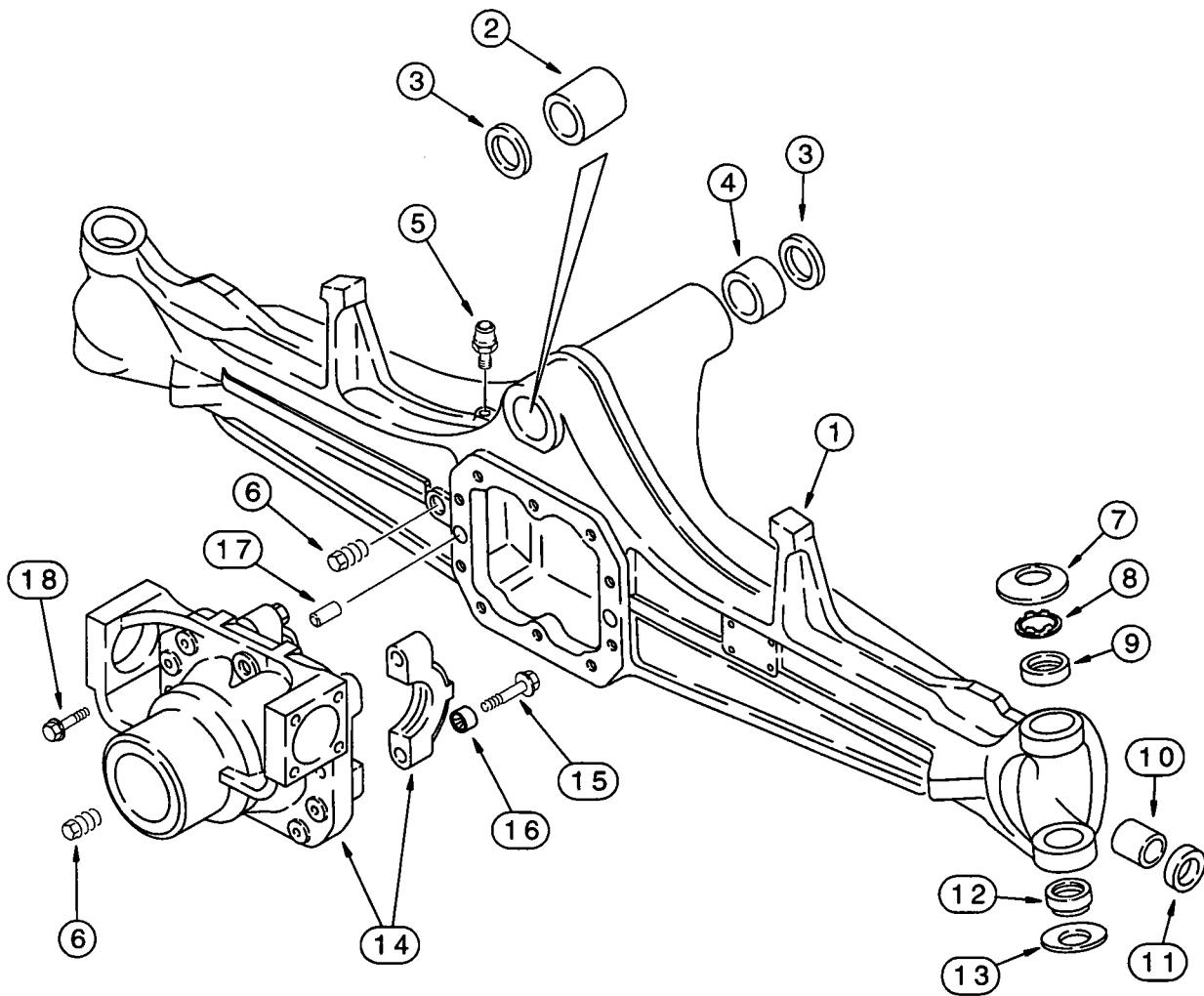


570LXT and 580L Series 2**6-3****FRONT DRIVE AXLE MOUNTING AND DRIVE SHAFT**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	113561A1	AXLE ASSEMBLY - front drive, parts list pages 6-5 - 6-17	1
2	825-11418	NUT - hex, 18 mm - 1.5	16
3	496-81000	WASHER - flat, 25/32 x 1-3/8 x 1/8 inch, hardened	16
4	*218-5351	ADAPTER - straight, 3/4-16 flare x 9/16-18 inch O-ring boss	1
4A	237-6006	O-RING - 15/32 ID x 5/64 inch wide.	1
5	*218-5280	ELBOW - 90 degree, 3/4-16 flare x 9/16-18 inch adj O-ring boss	1
5A	237-6006	O-RING - 15/32 ID x 5/64 inch wide.	1
6	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
7	800-44050	RING - external retaining, No. 50, 50 mm	2
8	191796A1	WASHER - flat, special, 2-1/32 ID x 4 OD x 1/16 inch thick	UAR
9	138616A1	PIN - axle pivot	1
10	D123684	WASHER - thrust, 2-1/16 x 4-1/2 x 3/16 inch	UAR
11	284713A1	SHAFT ASSEMBLY - drive, front drive axle, parts list page 6-19	1
13	137223A2	GUARD - drive shaft, used on models with 31 gallon fuel tank.	1
14	827-12045	BOLT - hex, 12 - 1.75 x 45 mm, class 10.9	4
15	495-21056	WASHER - flat, 9/16 x 1-3/8 x 7/64 inch	4
16	90-6682T1	RETAINER - drive shaft, strap.	2
17	D137627	BOLT - special.	4
18	282038A2	GUARD - drive shaft, used on models with 40 gallon fuel tank.	1
19	282033A1	BRACKET - guard	1
20	495-21056	WASHER - flat, 9/16 x 1-3/8 x 7/64 inch	8
21	827-12045	BOLT - hex, 12 - 1.75 x 45 mm, class 10.9	6
22	829-1412	NUT - hex, 12 mm - 1.75, class 10	2

* **NOTE:** See page 5-5 for fittings used on two wheel drive steering hydraulics.

6-4

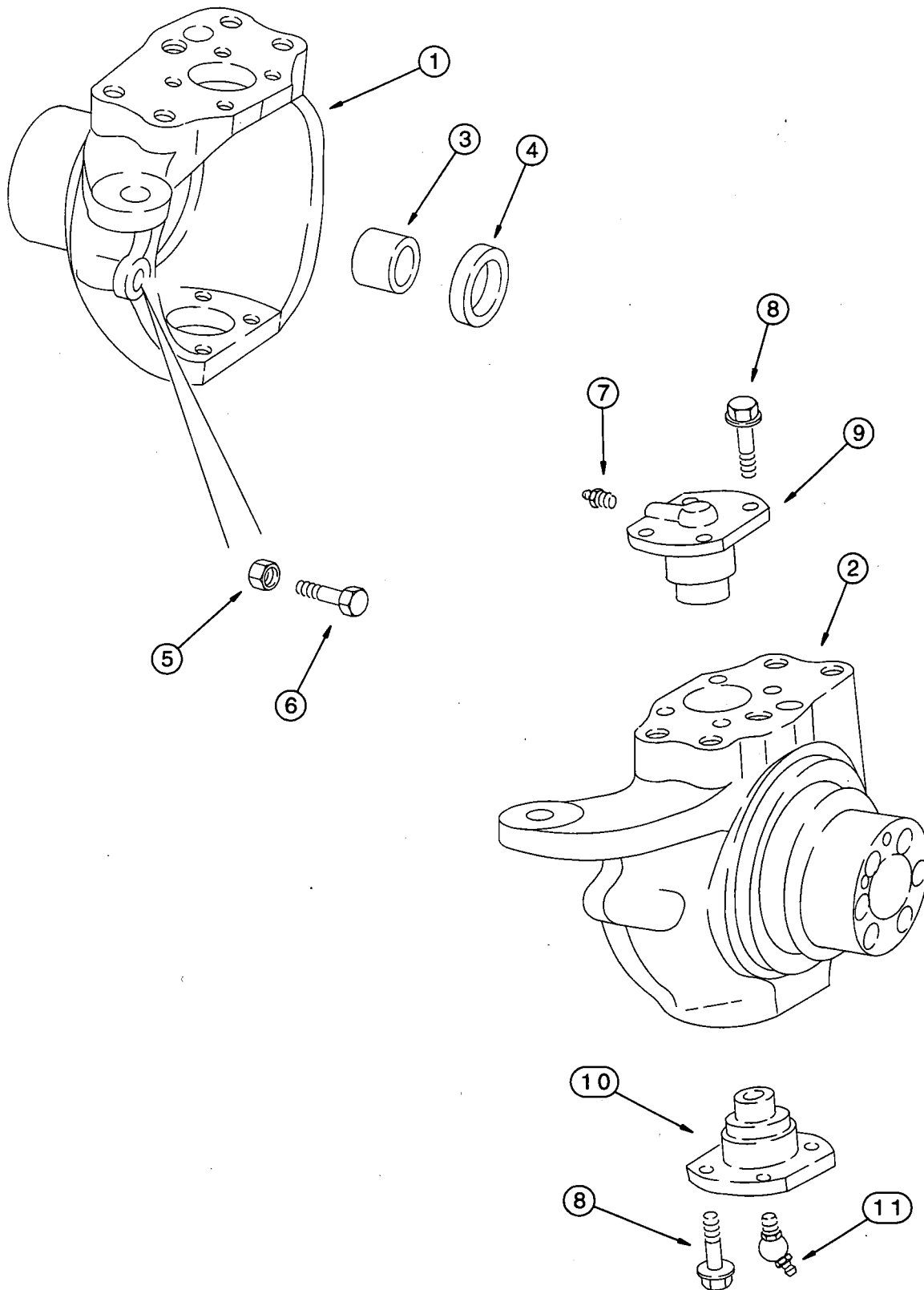


570LXT and 580L Series 2**6-5****FRONT DRIVE AXLE****AXLE HOUSING**

REF.	PART NO.	DESCRIPTION	REQ'D.
	113561A1	AXLE ASSEMBLY - front drive, Carraro No. 131204, parts list pages 6-5 - 6-17	1
1	144453A1	HOUSING - front axle	1
2	D149725	BUSHING - rear pivot	1
3	N14367	SEAL - bushing, front and rear	2
4	D149726	BUSHING - front pivot	1
5	1966149C1	BREATHER - axle housing	1
6	A156873	PLUG - drain, 22 mm, housing and carrier	2
7	122270A1	WASHER - Belleville, upper	2
8	136990A1	WASHER - spacer, front axle	2
9	100522A1	BUSHING - housing	2
10	1966186C1	BUSHING - housing	2
11	1966191C1	SEAL - oil	2
12	100520A1	BUSHING - spherical, housing, lower	2
13	122268A1	WASHER - Belleville, lower	2
	144454A1	CARRIER ASSEMBLY - differential	1
14	NSS	CARRIER - differential	1
15	S301065	BOLT - hex, special, 14 mm x 75 mm.	4
16	1966136C1	BUSHING - centering, carrier	4
17	1966138C1	PIN - dowel, housing to carrier	2
18	S301064	BOLT - hex flange, 12 x 33 mm, class 12.9, carrier to housing	10
	B17575	SEALANT - black RTV silicone, 89 ml (3 ounce) tube, differential carrier to axle housing, not shown	UAR

NOTE: See page 6-3 for axle mounting.

6-6



570LXT and 580L Series 2

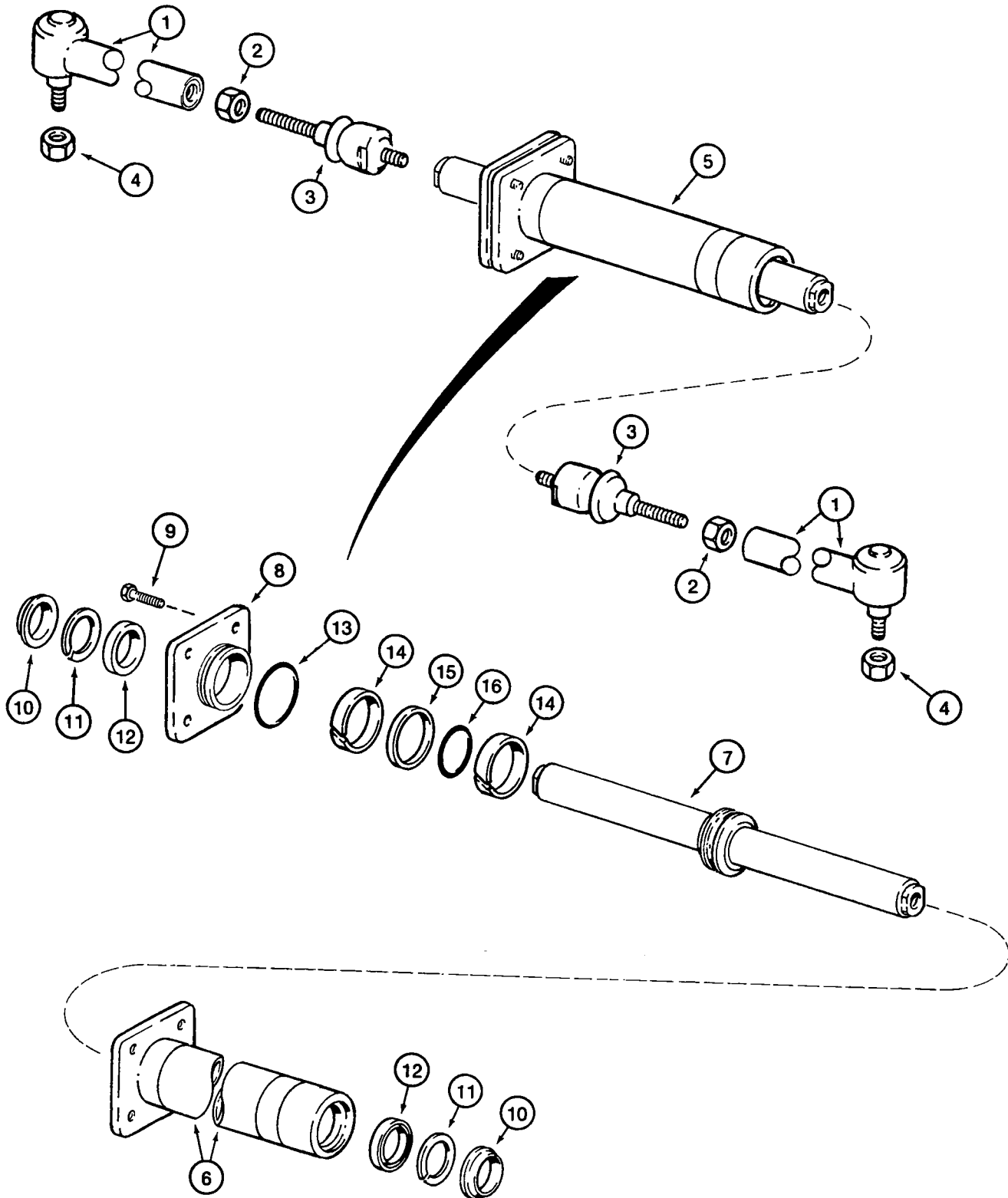
6-7

FRONT DRIVE AXLE

SWIVEL HOUSING

REF.	PART NO.	DESCRIPTION	REQ'D.
	113561A1	AXLE ASSEMBLY - front drive, Carraro No. 131204, parts list pages 6-5 - 6-17	1
1	144455A1	HOUSING - swivel, left-hand, includes item 3, 100532A1 bushing	1
2	144456A1	HOUSING - swivel, right-hand	1
3	100532A1	BUSHING - swivel housing, used with right-hand or left-hand swivel housing.	1
4	100529A1	SEAL - oil, swivel housing	2
5	1537663C1	NUT - hex, special, 16 mm.	2
6	1537664C1	BOLT - special, steering stop, 16 mm	2
7	712998R91	FITTING - grease, straight, swivel cap.	2
8	100533A1	BOLT - hex, special, 12 - 1.75 x 30 mm.	16
9	122265A1	PIN - king, swivel housing cap, upper	2
10	122264A1	PIN - king, swivel housing cap, lower.	2
11	N13505	FITTING - grease, 45 degree, special, swivel cap	2
	B17575	SEALANT - black RTV silicone, 89 ml (3 ounce) tube, wear ring to swivel housing, not shown	UAR

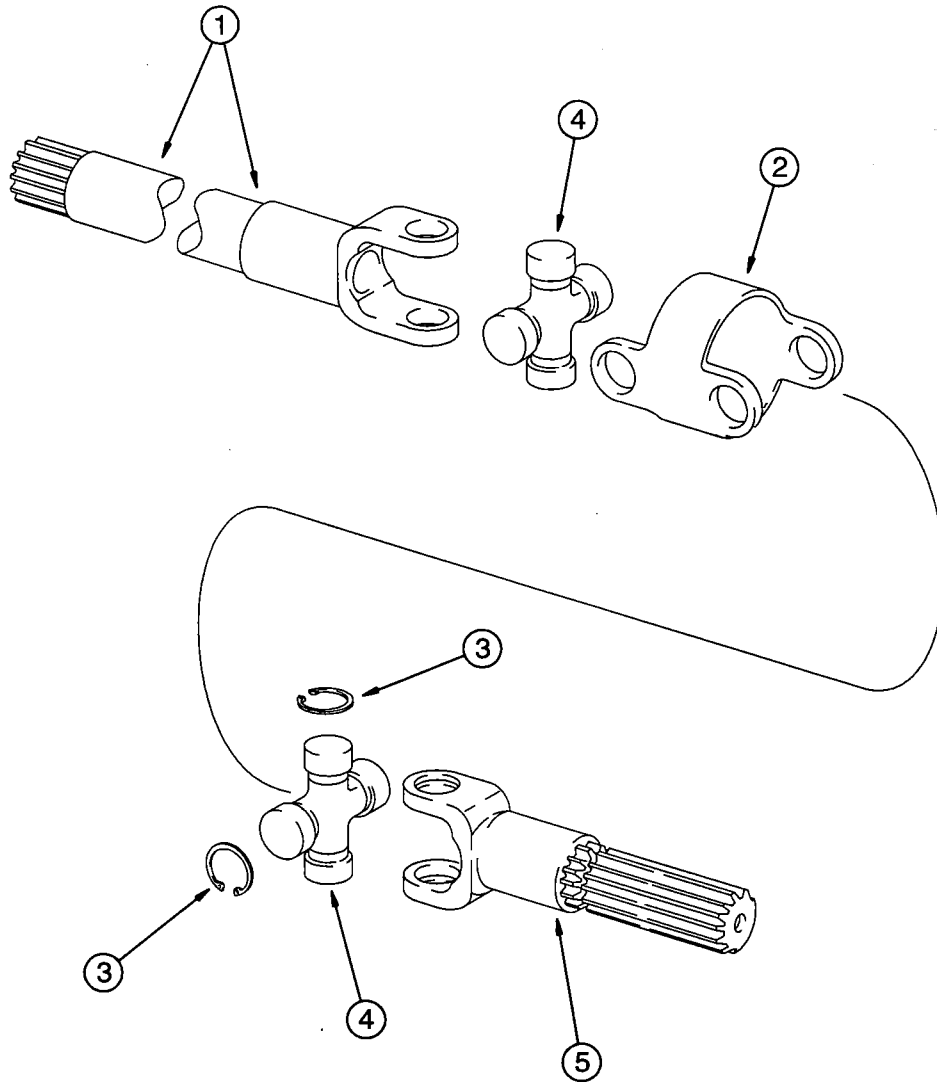
6-8



570LXT and 580L Series 2**6-9****FRONT DRIVE AXLE****STEERING CYLINDER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	113561A1	AXLE ASSEMBLY - front drive, Carraro No. 131204, parts list pages 6-5 - 6-17	1
	144457A1	ARM ASSEMBLY - steering	2
1	NSS	JOINT - ball, swivel side	1
2	934727R1	NUT - hex, special	1
3	112509A1	JOINT - ball, right-hand threads	1
4	905839R1	NUT - hex, self-locking, 18 x 1.5 mm	2
5	144458A1	CYLINDER ASSEMBLY - steering, order D149739 kit to service seals, see below.	1
6	D149738	TUBE - cylinder.	1
7	144459A1	ROD - piston	1
8	D149737	GLAND - cylinder	1
9	114296A1	BOLT - self-locking, special, steering cylinder, for service order 100524A1 bolt and 892-11012 washer	4
10	*NSS	WIPER - rod	2
11	*NSS	RING - backup	2
12	*NSS	SEAL - rod	2
13	*NSS	O-RING - gland	1
14	*NSS	RING - wear	2
15	*NSS	SEAL - piston	1
16	*NSS	O-RING - expander	1
	*D149739	KIT - seal, steering cylinder, for rod, gland, and piston, includes all items with an asterisk.	1
	B17575	SEALANT - black RTV silicone, 89 ml (3 ounce) tube, cylinder flange to cylinder, not shown	UAR

6-10



570LXT and 580L Series 2

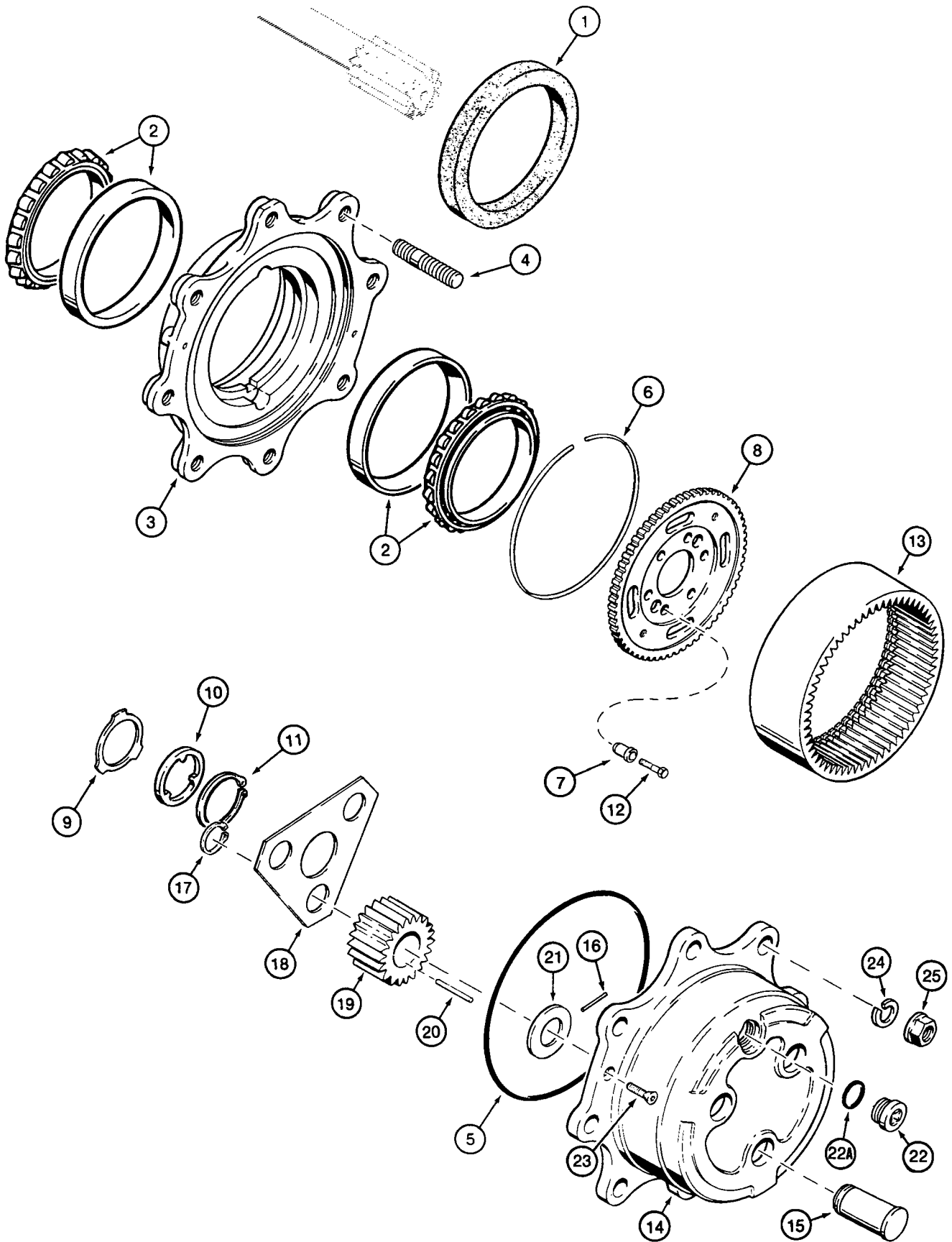
6-11

FRONT DRIVE AXLE

AXLE SHAFTS

REF.	PART NO.	DESCRIPTION	REQ'D.
	113561A1	AXLE ASSEMBLY - front drive, Carraro No. 131204, parts list pages 6-5 - 6-17, see page 6-3 for mounting	1
	144461A1	SHAFT ASSEMBLY - axle, front and rear, order items 1-5	2
1	144462A1	SHAFT - axle, differential side, long	2
2	195213A1	BODY - connecting, replaces 144464A1	2
3	N14410	RING - snap, universal joint	16
4	144465A1	JOINT - universal, axle shaft, cross, includes Ref 3	4
5	144463A1	SHAFT - axle, wheel side, short	2

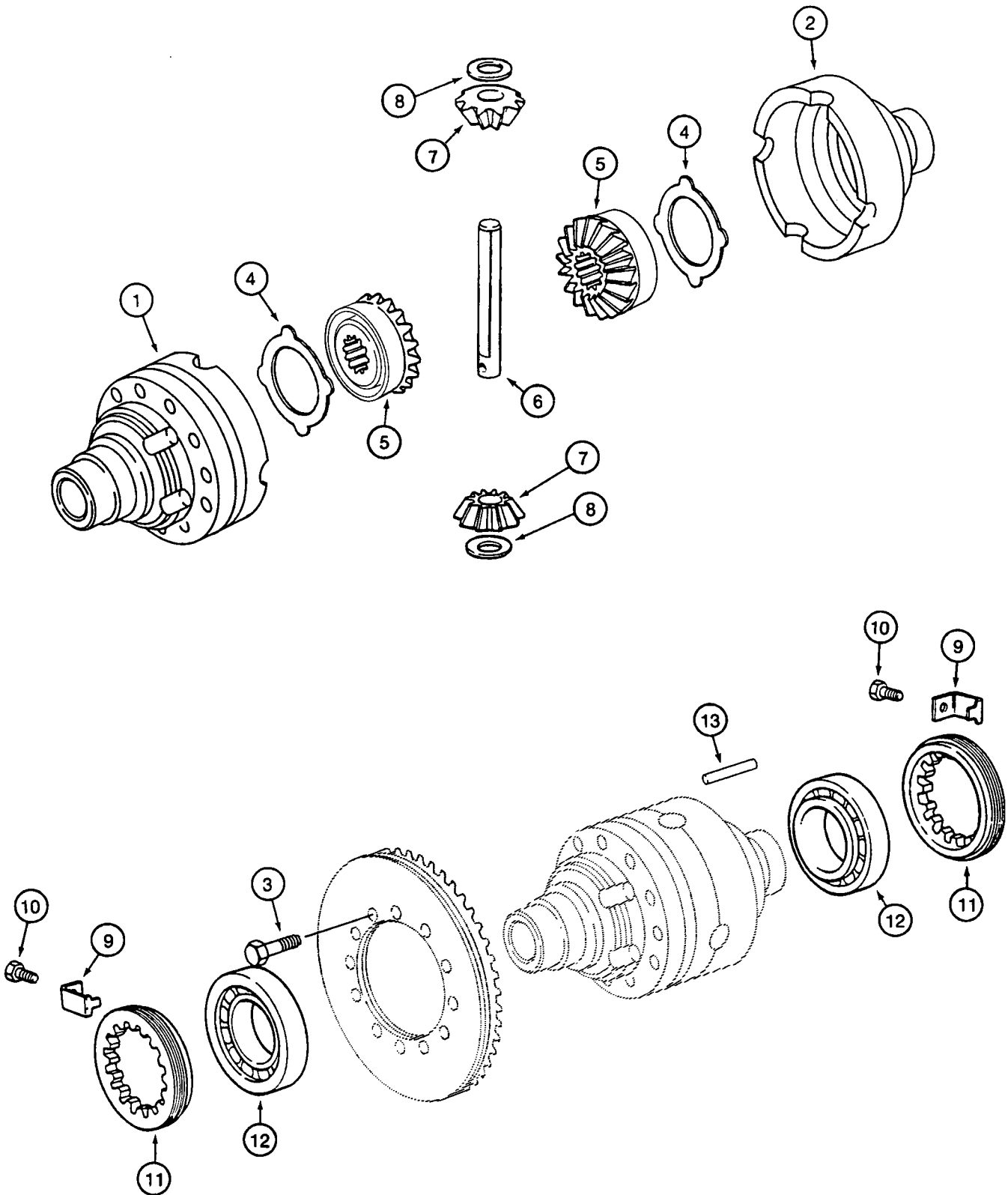
6-12



570LXT and 580L Series 2**6-13****FRONT DRIVE AXLE****PLANETARY**

REF.	PART NO.	DESCRIPTION	REQ'D.
	113561A1	AXLE ASSEMBLY - front drive, Carraro No. 131204, parts list pages 6-5	
		- 6-17	1
1	1984938C1	SEAL - oil, hub	2
2	1966169C1	BEARING - tapered roller, hub.	4
	144466A1	HUB ASSEMBLY - front drive axle.	2
3	NSS	HUB - wheel attaching	1
4	100556A1	STUD - hub, special	8
5	100552A1	O-RING - wheel hub.	2
6	100559A1	RING - backup, wheel hub O-ring	2
7	116426A1	BUSHING - carrier	12
8	116427A1	CARRIER - ring gear	2
9	190684A1	WASHER - thrust	2
10	190682A1	WASHER - thrust	2
11	A48041	RING - snap	2
12	116425A1	BOLT - hex, self-locking, special	12
13	100561A1	GEAR - ring, planetary	2
	100554A1	PLANETARY ASSEMBLY - front drive axle.	2
	100553A1	CARRIER ASSEMBLY - planetary	2
14	NSS	CARRIER - planetary	1
15	NSS	SHAFT - pinion gear	3
16	K395093	PIN - locking	1
17	800-1134	RING - external retaining, No. 34	6
18	100555A1	RETAINER - pinion gear.	2
19	100562A1	GEAR - pinion, planetary	6
20	114295A1	BEARING - needle, planetary gear, packet of 10	18
21	K395091	WASHER - thrust, pinion gear, outer	6
22	100557A1	PLUG - drain.	2
22A	238-6121	O-RING - 1-1/16 ID x 3/32 inch wide.	1
23	905876R1	SCREW - special, planetary cover plate	4
24	496-81000	WASHER - flat, 25/32 x 1-3/8 x 1/8 inch, hardened, purchase separately	16
25	825-11418	NUT - hex, 18 mm - 1.5, purchase separately.	16
	B17575	SEALANT - black RTV silicone, 89 ml (3 ounce) tube, planetary cover to hub, not shown	UAR

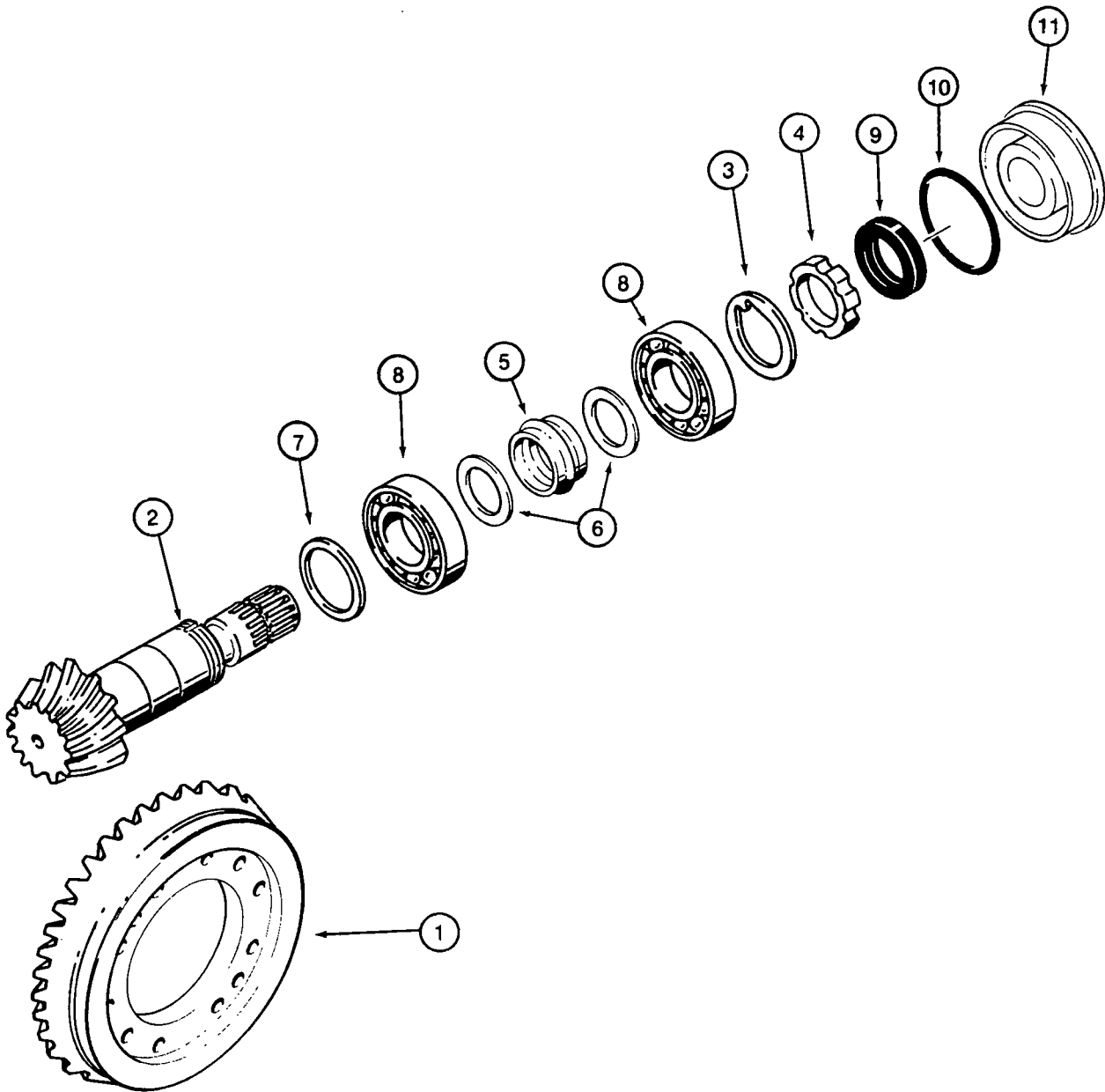
6-14



570LXT and 580L Series 2**6-15****FRONT DRIVE AXLE****DIFFERENTIAL**

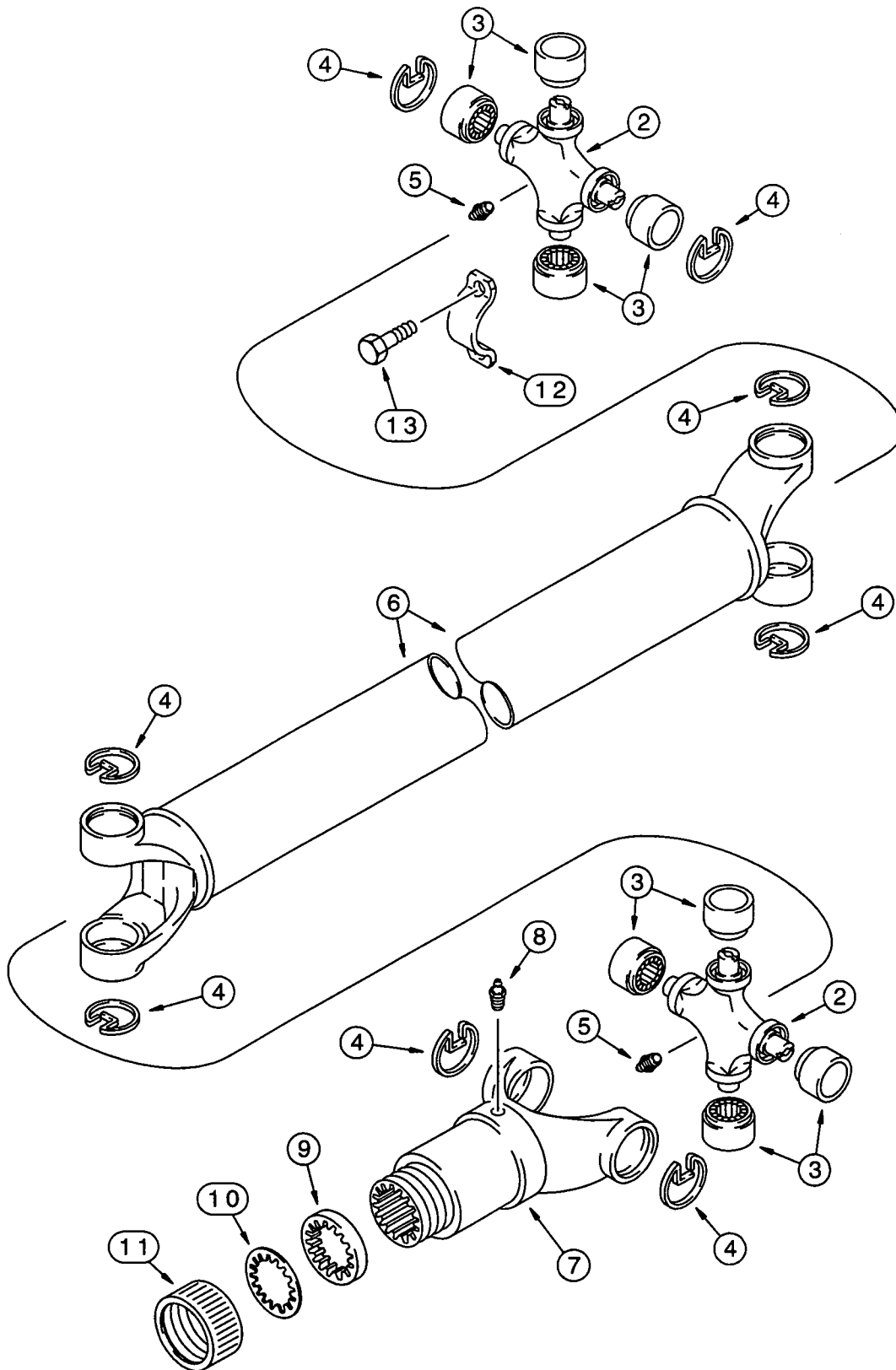
REF.	PART NO.	DESCRIPTION	REQ'D.
	113561A1	AXLE ASSEMBLY - front drive, Carraro No. 131204, parts list pages 6-5 - 6-17	1
	294933A1	HOUSING ASSEMBLY - differential	1
1	NSS	HOUSING - differential, flange half	1
2	NSS	HOUSING - differential, plain half	1
3	827-10075	BOLT - hex, 10 - 1.5 x 75 mm, class 10.9	12
4	1967003C1	WASHER - thrust, differential housing	2
5	*N14407	GEAR - side, differential, no longer available, for service order 231397A1 set	2
6	*K395087	SHAFT - pinion gear, no longer available, for service order 231397A1 set	1
7	*N14408	GEAR - pinion, differential, no longer available, for service order 231397A1 set	2
8	*K395075	WASHER - thrust, pinion gear, no longer available, for service order 231397A1 set	2
9	1966153C1	BRACKET - lock.	2
10	112486A1	BOLT - hex, self-locking, special, 6 - 1 x 12 mm	2
11	1966559C1	RING - locking, threaded	2
12	K395027	BEARING - tapered roller, differential	2
13	*K395086	PIN - dowel, no longer available, for service order 231397A1 set	1
	B17575	SEALANT - black RTV silicone, 89 ml (3 ounce) tube, bolt to differential housing, not shown	UAR
	*231397A1	SET - gear, differential, service replacement, includes Ref 5-8 and 13.	1

6-16



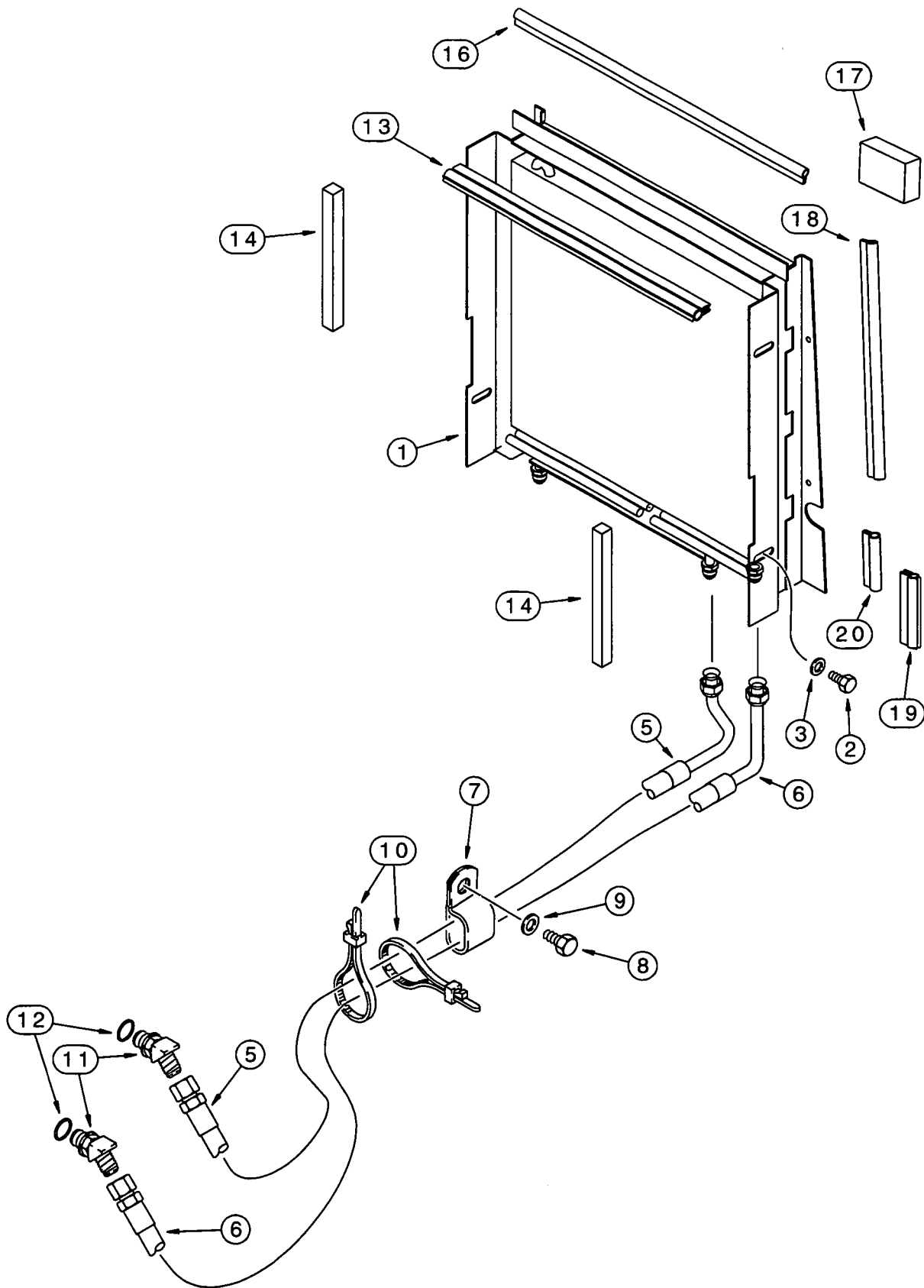
570LXT and 580L Series 2**6-17****FRONT DRIVE AXLE
RING AND PINION GEAR SET**

REF.	PART NO.	DESCRIPTION	REQ'D.
	113561A1	AXLE ASSEMBLY - front drive, Carraro No. 131204, parts list pages 6-5 - 6-17	1
	144460A1	GEAR - set, ring and pinion	1
1	NSS	GEAR - ring, differential	1
2	NSS	GEAR - pinion, differential	1
3	K261065	WASHER - special	1
4	K261014	RING - nut, pinion gear	1
5	1349058C1	SPACER - collapsible	1
6	1349059C1	WASHER - spacer	2
7	140954A1	SHIM - 2.5 mm (0.098 inch) thick	UAR
7	140953A1	SHIM - 2.6 mm (0.102 inch) thick	UAR
7	140951A1	SHIM - 2.7 mm (0.106 inch) thick	UAR
7	140949A1	SHIM - 2.8 mm (0.110 inch) thick	UAR
7	140948A1	SHIM - 2.9 mm (0.114 inch) thick	UAR
7	140943A1	SHIM - 3.0 mm (0.118 inch) thick	UAR
7	140944A1	SHIM - 3.1 mm (0.122 inch) thick	UAR
7	140945A1	SHIM - 3.2 mm (0.125 inch) thick	UAR
7	140946A1	SHIM - 3.3 mm (0.129 inch) thick	UAR
7	140947A1	SHIM - 3.4 mm (0.133 inch) thick	UAR
8	K395090	BEARING - tapered roller, pinion gear	2
9	K262143	SEAL - oil	1
10	238-5152	O-RING - 3-1/4 ID x 3/32 inch wide	1
11	128570A1	COVER - differential	1
	B17575	SEALANT - black RTV silicone, 89 ml (3 ounce) tube, differential cover to differential carrier, not shown.	UAR



570LXT and 580L Series 2**6-19****DRIVE SHAFT FOR FRONT DRIVE AXLE
FRONT DRIVE AXLE TO TRANSMISSION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	284713A1	SHAFT ASSEMBLY - drive, front drive axle	1
	144278A1	KIT - universal joint.	2
2	NSS	JOINT - universal, drive shaft	1
3	NSS	BEARING - universal joint.	4
4	NSS	RING - retaining	4
5	219-10	FITTING - grease, straight, 1/4-28 taper x 11/16 inch	2
6	NSS	SHAFT - drive, transmission to rear axle	1
7	144279A1	YOKE - tube, splined, to rear axle	1
8	219-10	FITTING - grease, straight, 1/4-28 taper x 11/16 inch	1
	D149860	KIT - dust cap.	1
9	NSS	WASHER - cork	1
10	NSS	WASHER - steel	1
11	NSS	CAP - dust seal retaining	1
12	90-6682T1	RETAINER - drive shaft, strap, not included with the drive shaft assembly, purchase separately	2
13	D137627	BOLT - special.	4

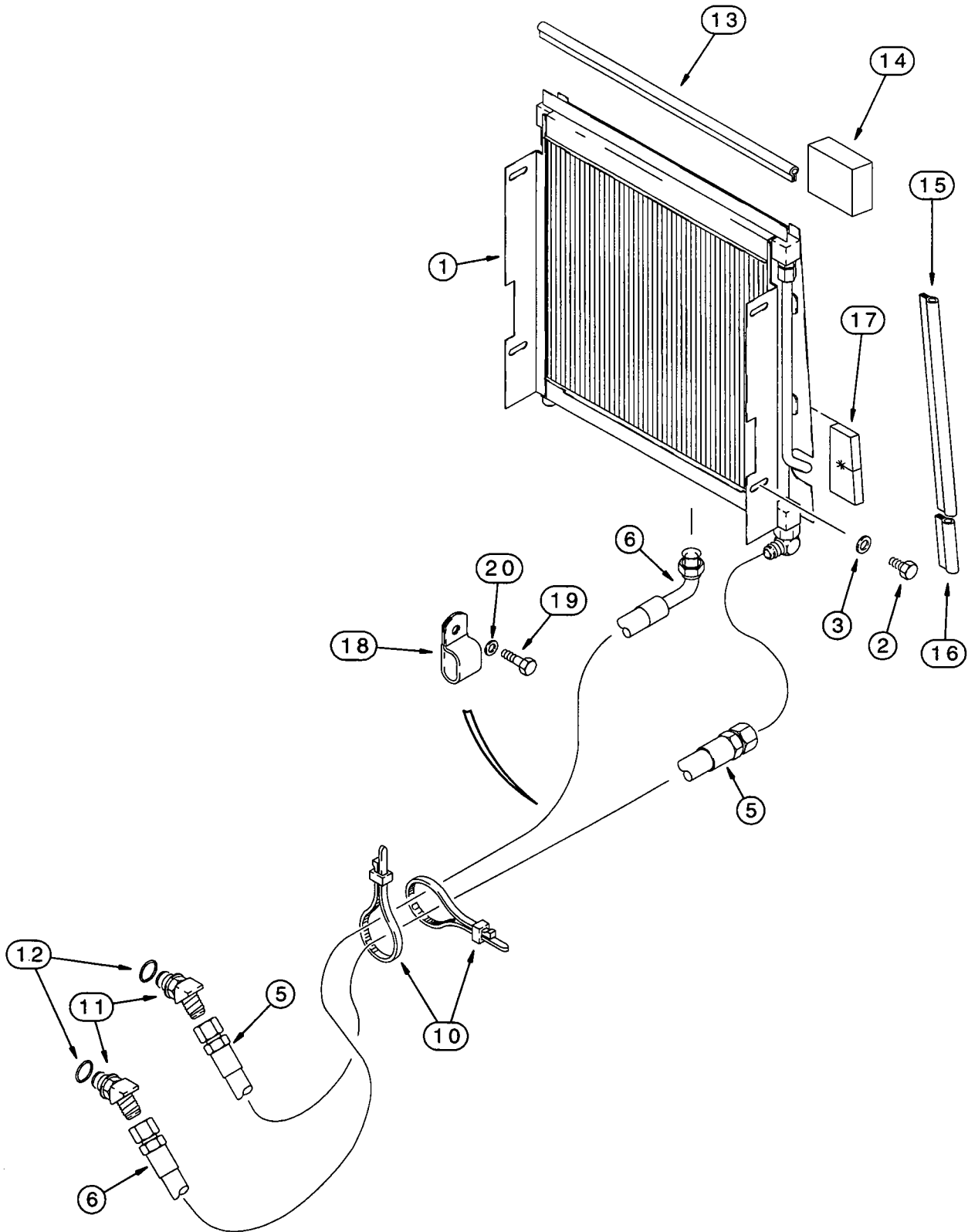


570LXT and 580L Series 2
6-21

**TRANSMISSION COOLING SYSTEM
USED WITH 234876A1 RADIATOR ASSEMBLY
(SEE PAGE 2-3 FOR RADIATOR)
MODELS WITHOUT AIR CONDITIONING**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	*233817A1	COOLER - hydraulic oil, with steel flanges, used with 234876A1 radiator on page 2-3, uses radiator upper mounting bolts, see page 9-97 for hardware and page 8-9 for additional cooler hydraulic routing	1
2	614-10020	BOLT - hex, full threads, 10 - 1.5 x 20 mm	2
3	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
5	188829A1	HOSE - 1215 mm (47-7/8 inch) long, transmission to cooler inlet.	1
6	188830A1	HOSE - 1525 mm (60 inch) long, cooler outlet to transmission.	1
7	D39696	CLAMP - P-type, double, 1 inch	1
8	614-12025	BOLT - hex, full threads, 12 - 1.75 x 25 mm	1
9	895-11012	WASHER - flat, 13.5 x 24 x 2.5 mm	1
10	L18337	STRAP - tie, 15 inch, nylon, retaining	3
11	218-5137	ELBOW - 45 degree, 7/8-14 inch flare x adj O-ring boss	2
12	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
13	183735A1	SEAL - radiator to oil cooler, no longer used.	1
14	233311A1	SEAL - adhesive back, 20 x 20 x 270 mm long, radiator to oil cooler, no longer used	2
16	233972A1	SEAL - 564 mm (22-7/32 inch) long, cooler to wrapper.	1
17	234719A1	SEAL - 70 x 100 x 32 mm, top corner block, used with 345-44 adhesive	2
	345-44	ADHESIVE - spray can, 3M No. 74, 23 ounce	1
18	258746A1	SEAL - 390 mm (15-3/8 inch) long, cooler side.	2
19	258747A1	SEAL - 132 mm (5-7/32 inch) long, cooler slot	2
20	258748A1	SEAL - 100 mm (3-15/16 inch) long, cooler side, bottom	2

*** NOTE:** Part number is stamped on top of oil coolers.

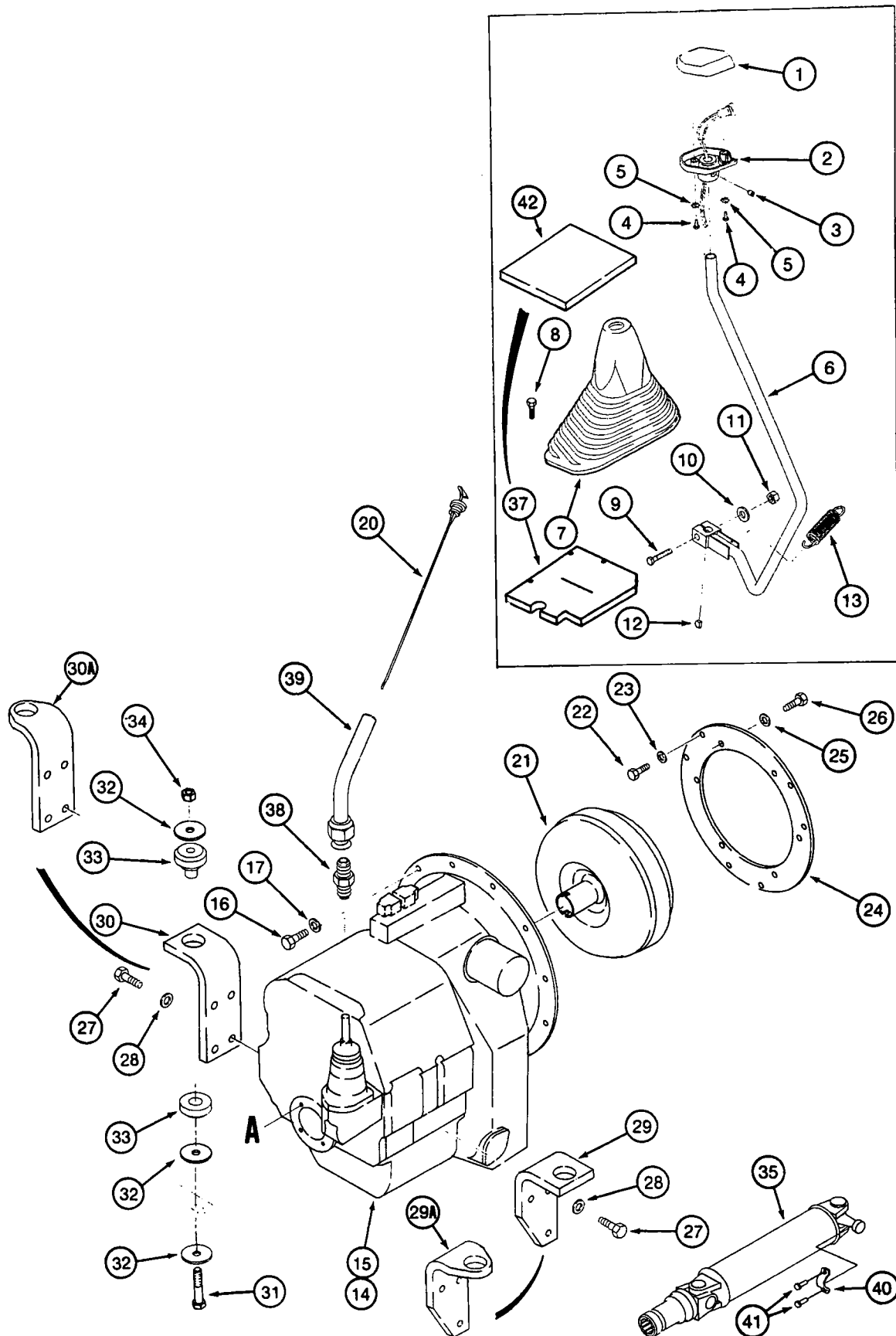


570LXT and 580L Series 2**6-23**

**TRANSMISSION COOLING SYSTEM
USED WITH 239739A1 HEAVY DUTY RADIATOR ASSEMBLY
(SEE PAGE 2-5 FOR RADIATOR)
MODELS WITH AIR CONDITIONING**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	291288A1	COOLER - hydraulic oil, heavy duty, used with 239739A1 heavy duty radiator on page 2-5, uses radiator upper mounting bolts, see page 9-97 for hardware and page 8-9 for additional cooler hydraulic routing, includes Ref 17	1
	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss	3
	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss	1
	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	316717A1	TUBE - cooler, right-hand.	1
	316718A1	TUBE - cooler, left-hand.	1
2	614-10020	BOLT - hex, full threads, 10 - 1.5 x 20 mm	2
3	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
5	292962A1	HOSE - 1240 mm (48-7/8 inch) long, transmission to cooler inlet.	1
6	243805A2	HOSE - 1563 mm (61-9/16 inch) long, cooler outlet to transmission.	1
10	L18337	STRAP - tie, 15 inch, nylon, retaining	3
11	218-5137	ELBOW - 45 degree, 7/8-14 inch flare x adj O-ring boss	2
12	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
13	233972A1	SEAL - 564 mm (22-7/32 inch) long, horizontal, cooler to wrapper.	1
14	234719A1	SEAL - 70 x 100 x 32 mm, upper corner	2
	345-44	ADHESIVE - spray can, 3M No. 74, 23 ounce	UAR
15	233970A1	SEAL - 472 mm (18-5/8 inch) long, vertical, cooler to wrapper.	2
16	233971A1	SEAL - 103 mm (4-1/16 inch) long, lower corner.	2
17	234499A1	SEAL - 45 x 120 x 15 mm, furnished with cooler.	2
18	D39696	CLAMP - P-type, double	1
19	614-12025	BOLT - hex, full threads, 12 - 1.75 x 25 mm	1
20	895-11012	WASHER - flat, 13.5 x 24 x 2.5 mm	1

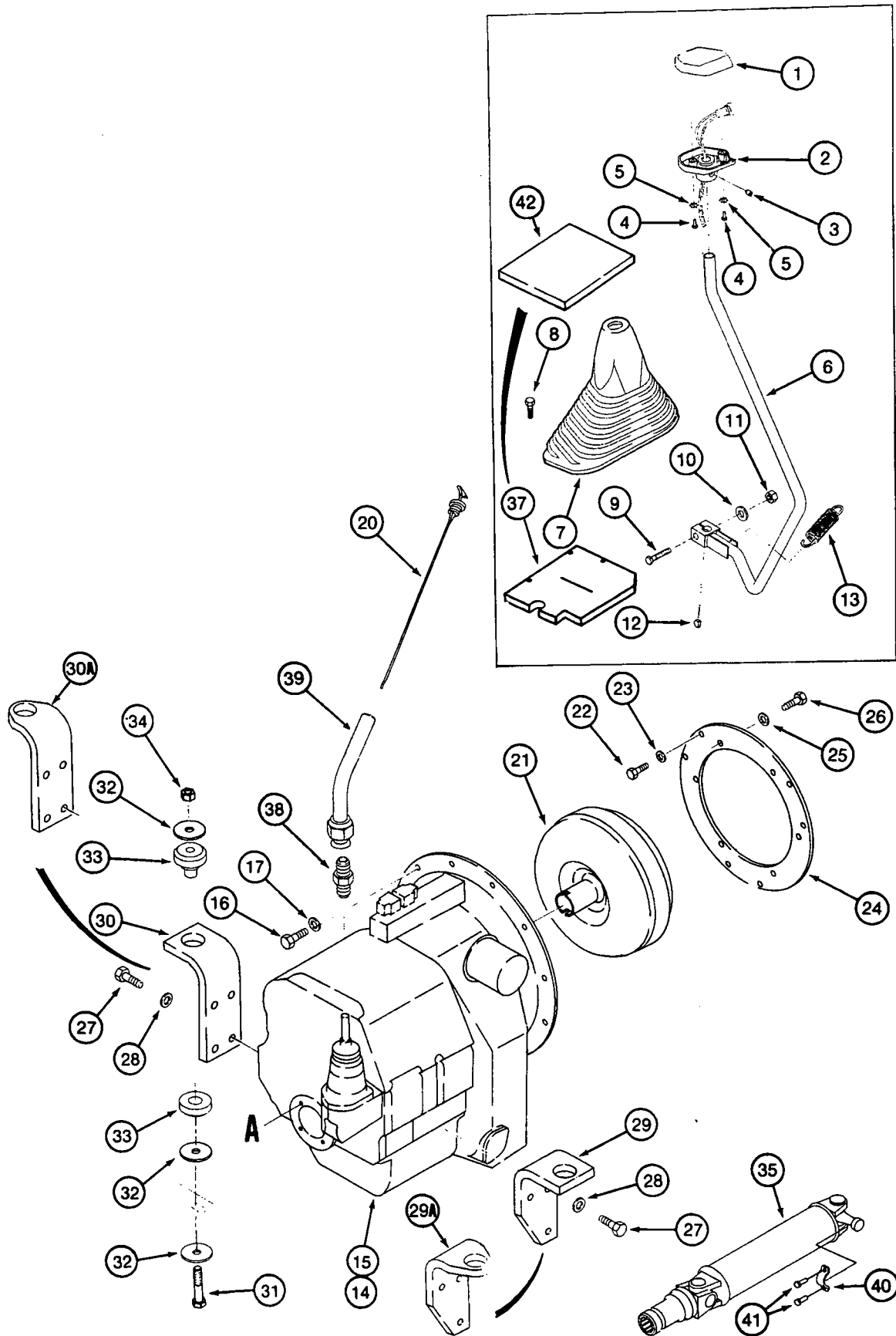
6-24



570LXT and 580L Series 2
6-25
**TRANSMISSION MOUNTING, DRIVE SHAFT, DIPSTICK
AND GEAR SHIFT LEVER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	309747A1	KNOB ASSEMBLY - transmission gear shift lever, includes Ref 1, 2, 4 and 5	1
	310965A1	GASKET - paper divider	2
1	187714A1	KNOB - upper, cover	1
2	187715A1	KNOB - lower	1
3	484-6316	SCREW - set, hex socket headless, 5/16 NF x 3/8 inch, half dog point	1
4	459-11014	SCREW - machine, pan head slotted, No. 10 NF x 7/8 inch	2
5	493-41020	WASHER - external tooth lock, 3/16 inch	2
6	179689A1	LEVER - transmission gear shift, see page 4-11 for clutch cutout harness and switch	1
7	190618A1	BOOT - transmission gear shift lever	1
8	280-16516	SCREW - self-tapping, hex washer head, No. 10 - 16 x 1 inch	4
9	828-12055	BOLT - hex, 12 - 1.75 x 55 mm, class 10.9	1
10	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	1
11	832-10412	NUT - hex, self-locking, 12 mm - 1.75	1
12	126-116	KEY - Woodruff, 3/16 x 3/4 inch	1
13	143370A1	SPRING - return, shift lever	1
14	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
14	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
15	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
15	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
16	627-10035	BOLT - hex, full threads, 10 - 1.5 x 35 mm, class 10.9	12
17	496-21041	WASHER - flat, 13/32 x 13/16 x 3/32 inch, hardened	12
20	121658A1	DIPSTICK - oil level, transmission	1
21	1995135C1	CONVERTER - torque, new	1
21	1995135C1C	RETURN NUMBER - torque converter core, use this part number to return torque converter for credit when using a remanufactured assembly	1
21	1995135C1R	CONVERTER - torque, remanufactured, North America only, component parts not serviced separately	1
22	428-510	BOLT - hex, 5/16 NF x 5/8 inch, grade 8	6
23	A15672	WASHER - flat, hardened, special	6
24	A178706	PLATE - adapter, torque converter to engine flywheel	1
25	496-21041	WASHER - flat, 13/32 x 13/16 x 3/32 inch, hardened	6
26	626-10016	BOLT - hex, full threads, 10 - 1.5 x 16 mm, class 10.9	6
27	614-12040	BOLT - hex, full threads, 12 - 1.75 x 40 mm	7
28	896-15012	WASHER - flat, 13.5 x 28 x 4 mm, hardened	7
29	284641A1	BRACKET - mounting, transmission, right-hand, no longer available, order 284641A2 bracket	1
29A	284641A2	BRACKET - mounting, transmission, right-hand	1
30	284723A1	BRACKET - mounting, transmission, left-hand, no longer available, order 284723A2 bracket	1
30A	284723A2	BRACKET - mounting, transmission, left-hand	1

Continued on next page

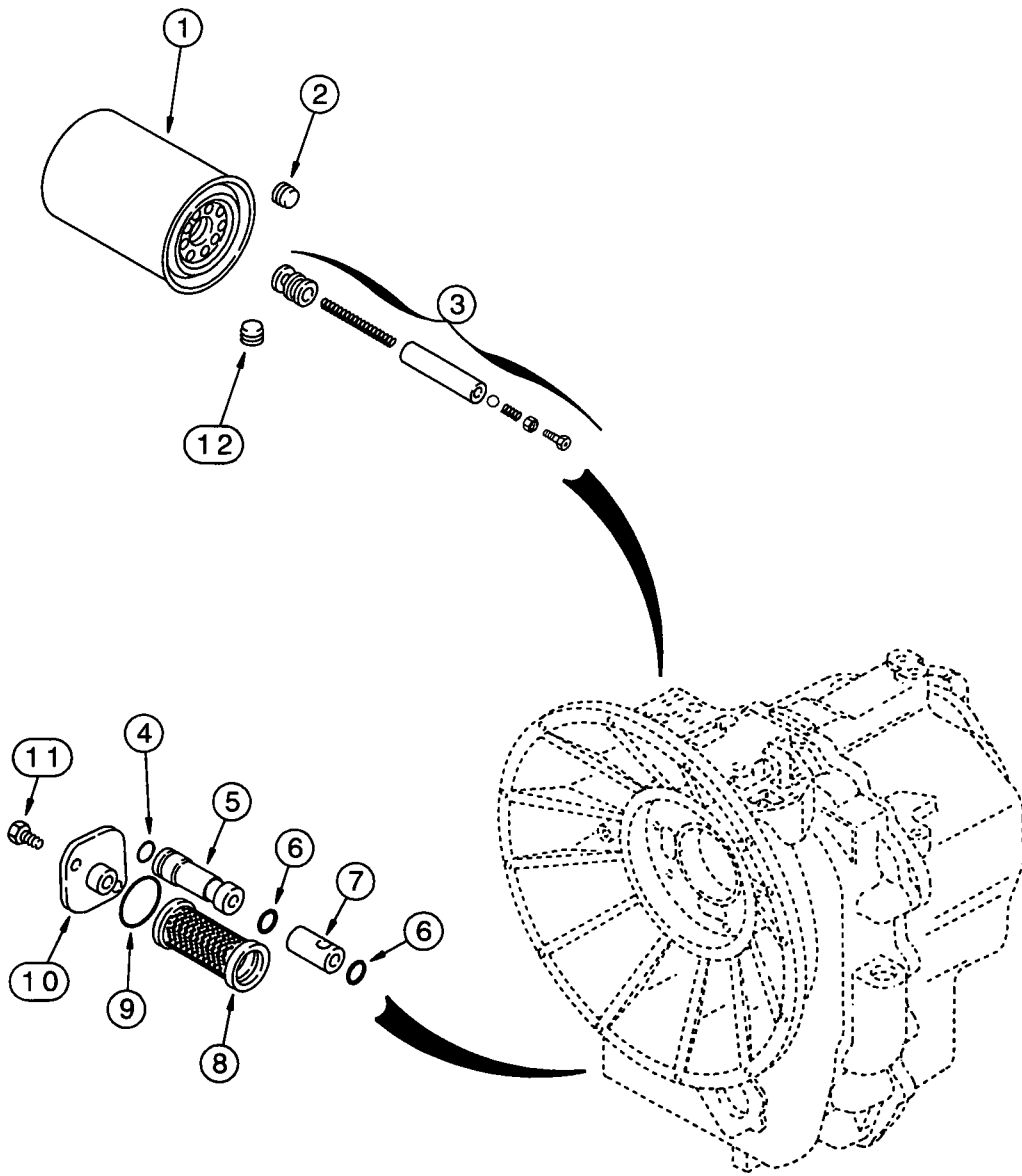


570LXT and 580L Series 2

6-27

**TRANSMISSION MOUNTING, DRIVE SHAFT, DIPSTICK
AND GEAR SHIFT LEVER**

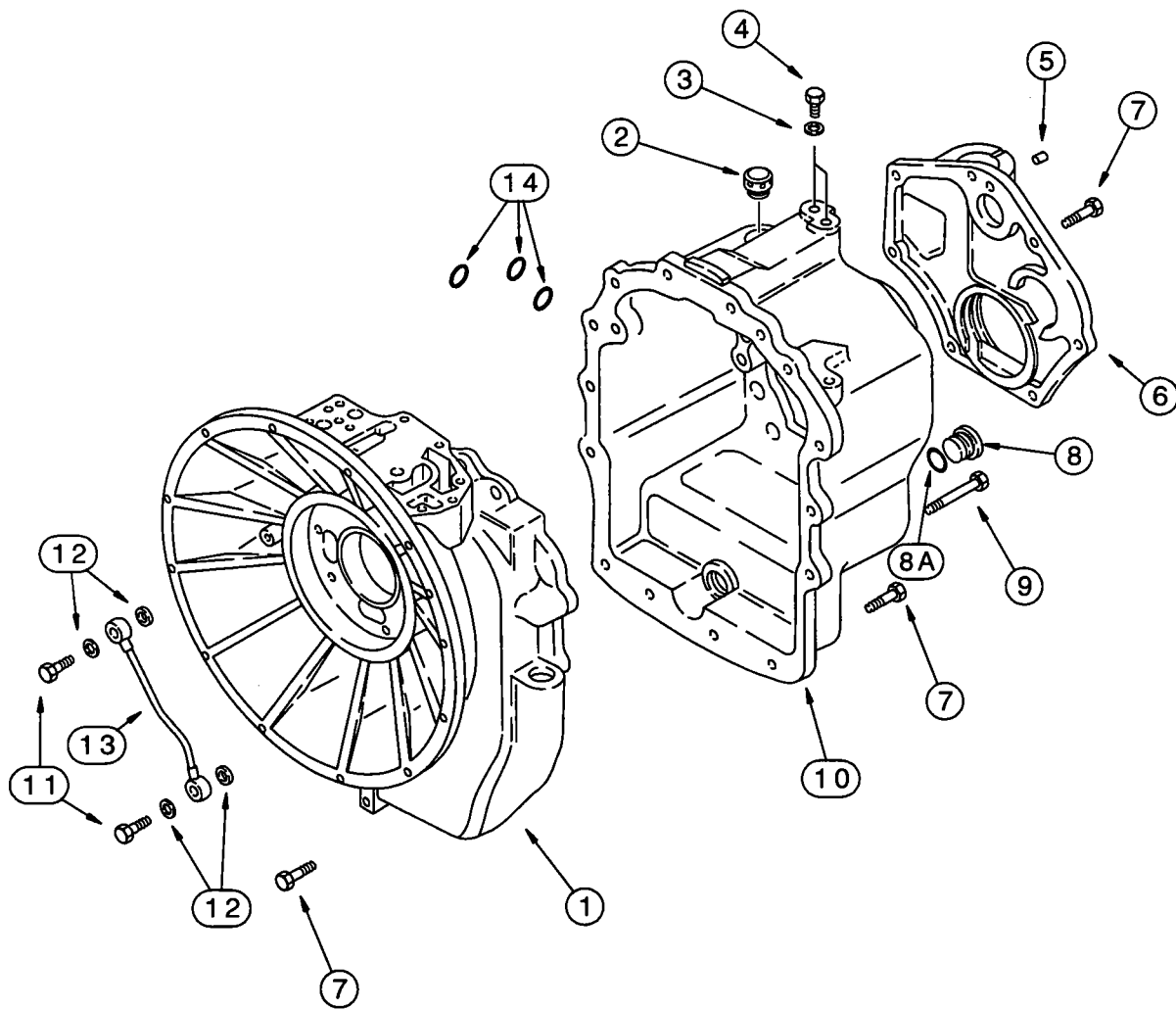
REF.	PART NO.	DESCRIPTION	REQ'D.
31	814-16110	BOLT - hex, 16 - 2.0 x 110 mm	2
32	D35009	WASHER - flat, special, 5/8 inch, hardened	6
33	117846A1	INSULATOR - engine mount, rear	2
34	832-10416	NUT - hex, self-locking, 16 mm - 2.0	2
35	284712A1	SHAFT ASSEMBLY - drive, transmission to rear axle, parts list page 6-73	1
37	298394A1	SEAL - foam, transmission control lever, installed between firewall and flange on four speed shift lever boot, cab models only	1
38	218-459	ADAPTER - straight, 1-5/16-12 flare x 3/4 inch PT	1
39	237948A1	TUBE - transmission dipstick.	1
40	90-6682T1	RETAINER - drive shaft, strap.	2
41	D137627	BOLT - special	4
42	292514A1	SEAL - foam, noise reduction, cab models	1



570LXT and 580L Series 2**6-29****TRANSMISSION ASSEMBLY****OIL FILTERS****TWO WHEEL AND FOUR WHEEL DRIVE**

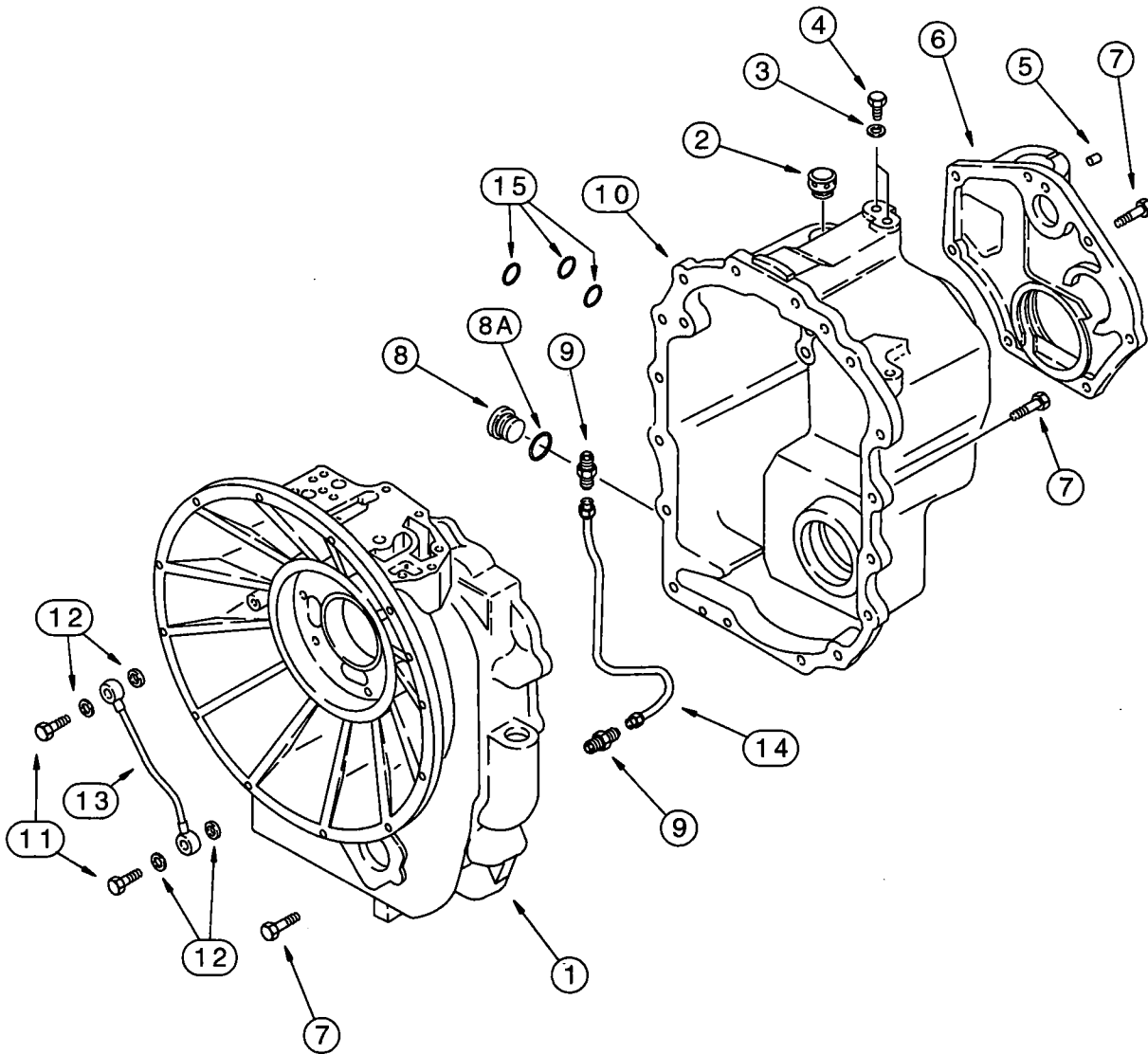
REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, new, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, new, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, new, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, new, parts list pages 6-29 - 6-55	1
1	254686A1	FILTER - oil, cartridge, transmission, 152 mm (6 inch) long	1
2	181101A1	PLUG - oil, 14 - 1.5 mm, used on four wheel drive models only	1
3	181274A1	KIT - valve, used on four wheel drive models only	1
4	181141A1	O-RING - small, used on four wheel drive models only	1
5	181196A1	PLUG - bypass valve, used on four wheel drive models only	1
6	190426A1	O-RING - bypass valve, cylinder, one (1) used at each end of item 7, cylinder bypass valve, used on four wheel drive models only	2
7	190433A1	CYLINDER - bypass valve, used on four wheel drive models only	1
8	278534A1	FILTER - oil	1
9	100748A1	O-RING - sealing	1
10	181219A1	COVER - access, oil filter	1
11	614-8018	BOLT - hex, full threads, 8 - 1.25 x 18 mm	2
12	181102A1	PLUG - oil, used on four wheel drive models only	1

6-30



570LXT and 580L Series 2**6-31****TRANSMISSION ASSEMBLY****TRANSMISSION HOUSING - TWO WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
1	310768A1	HOUSING - front half, use with Loctite 510 or 518 as a gasket eliminator	1
2	1530028C1	BREATHER - housing	1
	310772A1	PIPE - oil, breather, 18 OD x 42 mm long, not shown	1
3	934667R1	WASHER - flat, copper, special, 10 x 14 x 1.5 mm	2
4	181100A1	PLUG - housing	2
5	K260177	PIN - dowel, special, 10 x 25 mm	3
6	181197A1	COVER - housing, rear half, use with Loctite 510 or 518 as a gasket eliminator	1
7	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	23
8	100557A1	PLUG - drain	1
8A	238-6121	O-RING - 1-1/16 ID x 3/32 inch wide	1
9	814-10150	BOLT - hex, 10 - 1.5 x 150 mm	2
10	310767A1	HOUSING - rear half, use with Loctite 510 or 518 as a gasket eliminator	1
11	181179A1	BOLT - hex, special	2
12	181105A1	WASHER - flat, copper, special, 14 x 20 x 1.5 mm	4
13	181232A1	TUBE - oil lubrication	1
14	181141A1	O-RING - housing	3

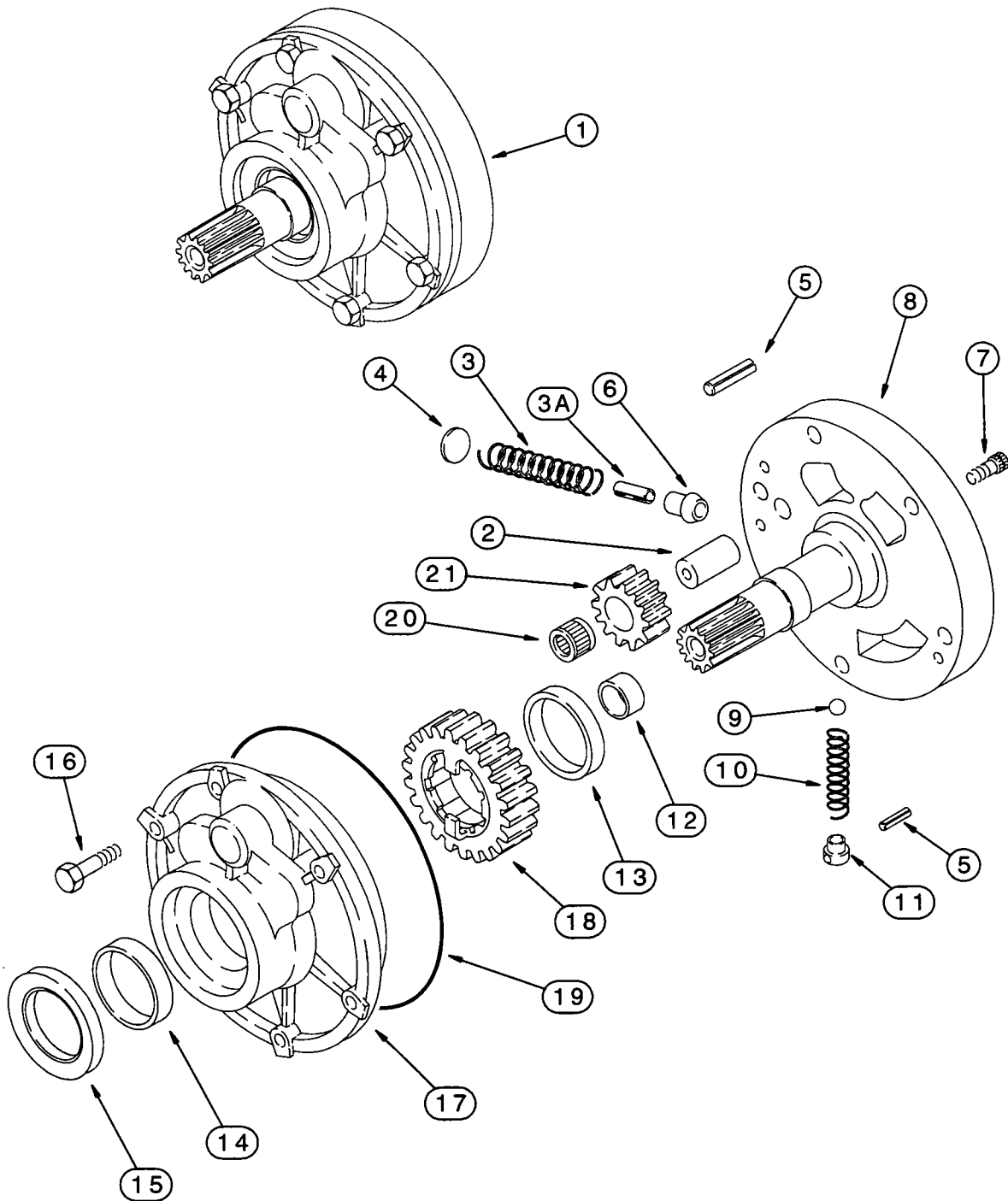


570LXT and 580L Series 2**6-33**

TRANSMISSION ASSEMBLY **TRANSMISSION HOUSING - FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
1	310766A1	HOUSING - front half, use with Loctite 510 or 518 as a gasket eliminator	1
1A	239606A1	PLUG - housing, oil passage port, not shown	1
2	1530028C1	BREATHER - housing	1
	310772A1	PIPE - oil, breather, 18 OD x 42 mm long, not shown	1
3	934667R1	WASHER - flat, copper, special, 10 x 14 x 1.5 mm	2
4	181100A1	PLUG - housing	2
5	K260177	PIN - dowel, special, 10 x 25 mm.	3
6	181197A1	COVER - housing, rear half, use with Loctite 510 or 518 as a gasket eliminator	1
7	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	23
8	100557A1	PLUG - drain	1
8A	238-6121	O-RING - 1-1/16 ID x 3/32 inch wide	1
9	218-1023	ADAPTER - straight, 1/2-20 flare x 1/4 inch PT	2
10	310765A1	HOUSING - rear half, use with Loctite 510 or 518 as a gasket eliminator	1
11	181179A1	BOLT - hex, special	2
12	181105A1	WASHER - flat, copper, special, 14 x 20 x 1.5 mm	4
13	181232A1	TUBE - oil lubrication	1
14	181176A1	TUBE - oil	1
15	181141A1	O-RING - housing	3

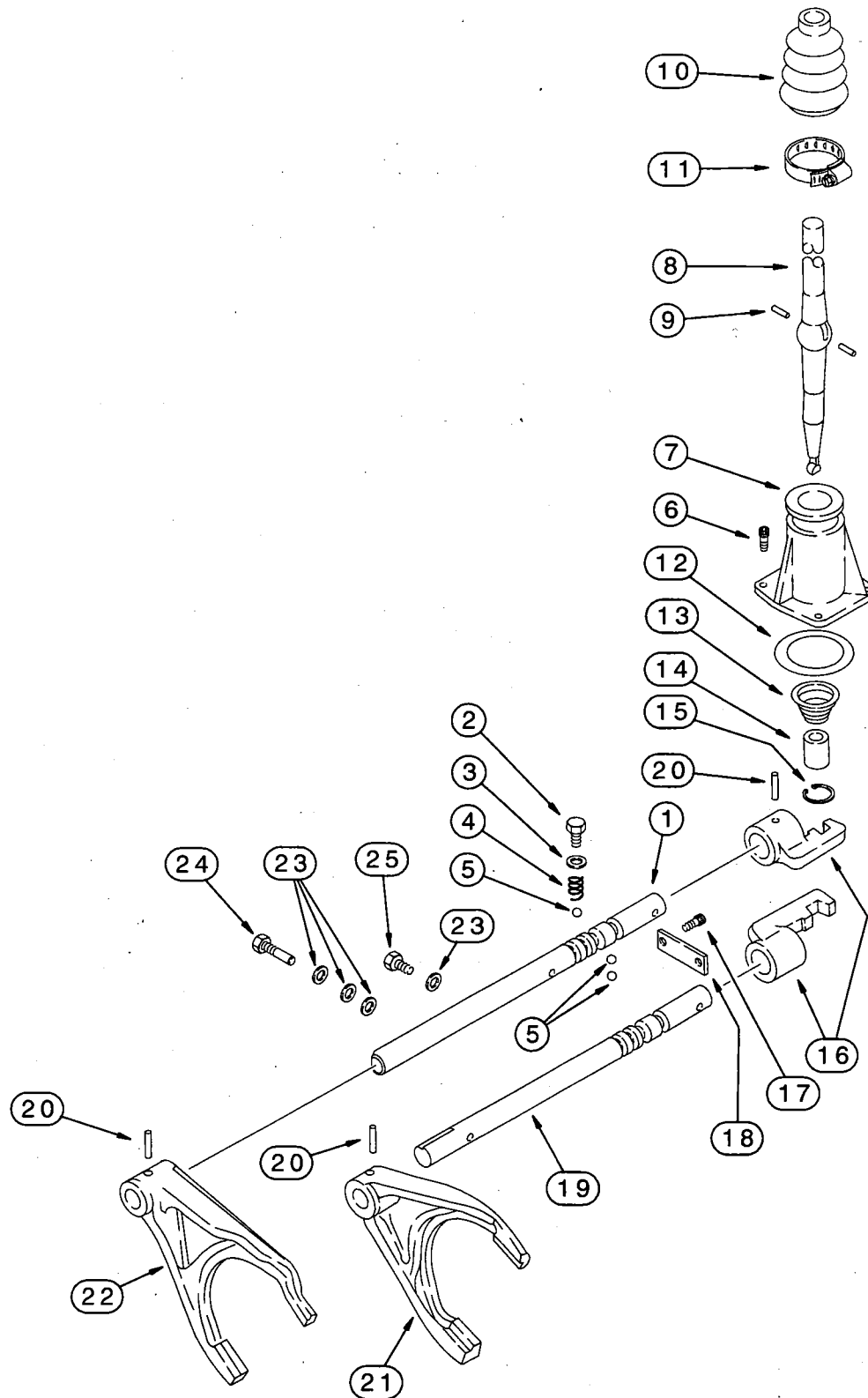
6-34



570LXT and 580L Series 2
TRANSMISSION ASSEMBLY
OIL PUMP
TWO WHEEL OR FOUR WHEEL DRIVE

6-35

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
1	181199A4	PUMP ASSEMBLY - oil, transmission, Carraro No. CA134725	1
2	247744A1	SHAFT - small, not available for service, order 181199A4 pump	1
3	181270A1	SPRING - detent, not available for service, order 181199A4 pump	1
3A	%NSS	PIN - valve, order 247749A1 piston valve kit below	1
4	198713A1	STOP - spring, not available for service, order 181199A4 pump	1
5	181109A1	PIN - roll, 5 x 22 mm, not available for service, order 181199A4 pump	2
6	%NSS	VALVE - piston, order 247749A1 piston valve kit below	1
7	864-6025	BOLT - hex socket, 6 - 1.0 x 25 mm, not available for service, order 181199A4 pump	2
8	NSS	SUPPORT - pump	1
9	181145A1	BALL - check, not available for service, order 181199A4 pump	1
10	181214A1	SPRING - detent, not available for service, order 181199A4 pump	1
11	198712A1	GUIDE - spring, not available for service, order 181199A4 pump	1
12	181215A1	BUSHING - pump support, small, not available for service, order 181199A4 pump	1
13	247746A1	BUSHING - pump support, large, not available for service, order 181199A4 pump	1
14	181216A1	BUSHING - pump housing	1
15	181205A1	SEAL - oil, pump housing	1
16	814-8060	BOLT - hex, 8 - 1.25 x 60 mm	6
17	NSS	HOUSING - oil pump	1
18	247748A1	GEAR - 23 teeth, charge pump, large, not available for service, order 181199A4 pump	1
19	181142A1	O-RING - pump housing	1
20	246767A1	BEARING - needle, not available for service, order 181199A4 pump	1
21	181218A1	GEAR - small, 12 teeth, not available for service, order 181199A4 pump	1
	%247749A1	KIT - piston valve, not available for service, order 181199A4 pump	1



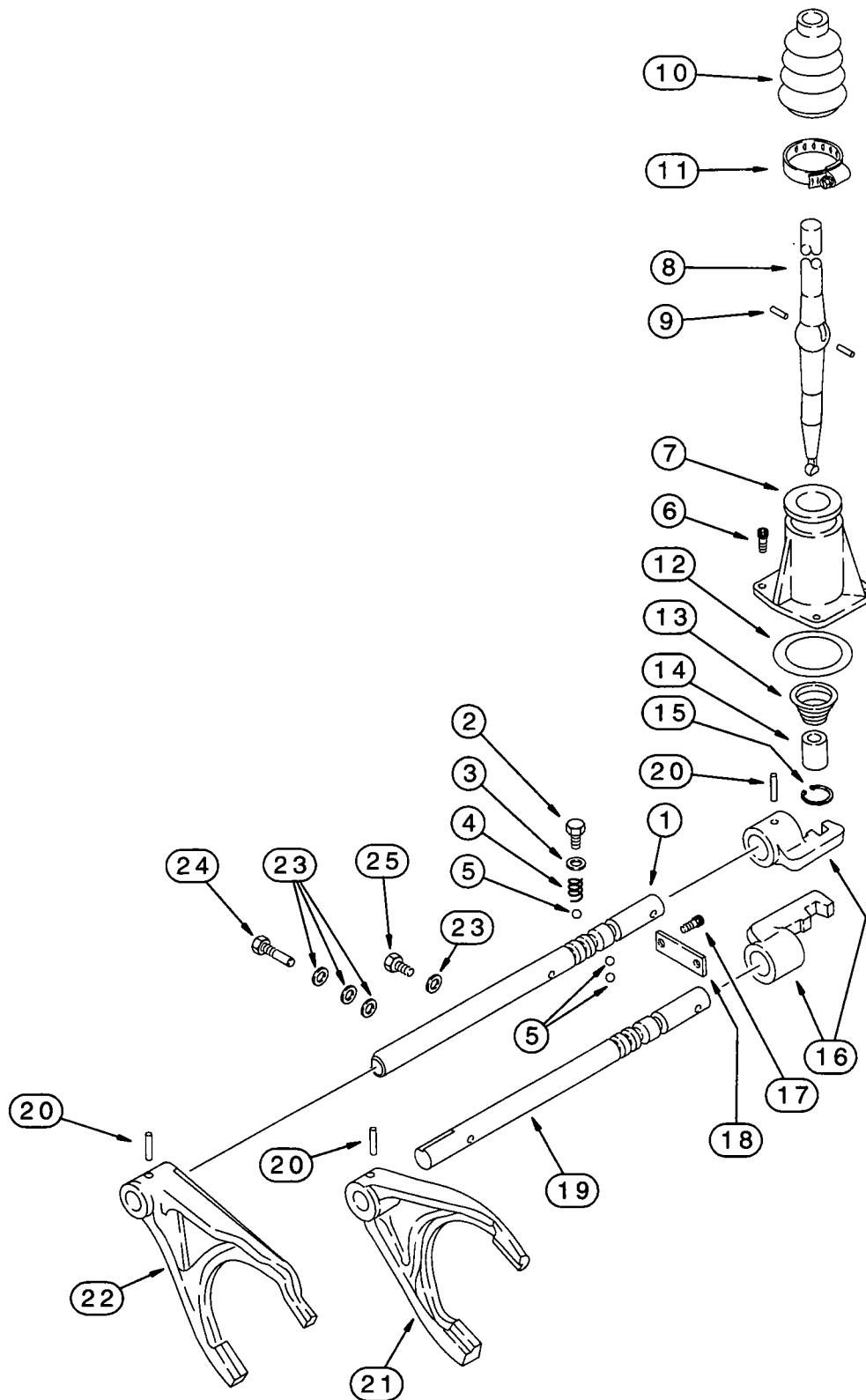
570LXT and 580L Series 2
6-37

**TRANSMISSION ASSEMBLY
TRANSMISSION SHIFTER MECHANISM
TWO WHEEL OR FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
1	%NSS	RAIL - shifter fork, third and fourth, no longer included in transmission assembly, order 256888A3 synchronizer kit, see below	1
2	614-12016	BOLT - hex, full threads, 12 - 1.75 x 16 mm	3
3	1966835C1	WASHER - flat, special, 12 x 16 x 1.5 mm.	3
4	1966993C1	SPRING - detent	2
5	181139A1	BALL - detent	4
6	864-8025	BOLT - hex socket, 8 - 1.25 x 25 mm.	3
7	181171A1	COVER - shift lever	1
8	%NSS	LEVER - shift, replaces 190428A1, 190428A2 and 190428A3 lever, includes bushing and retaining ring, no longer included in transmission assembly, order 256888A3 synchronizer kit, see below	1
9	%NSS	PIN - shift lever, replaces 1967585C1 pin, no longer included in transmission assembly, order 256888A3 synchronizer kit, see below	2
10	%NSS	BOOT - rubber, replaces 1967581C1 boot, no longer included in transmission assembly, order 256888A3 synchronizer kit, see below	1
11	181177A1	CLAMP - adjustable	1
12	181138A1	O-RING - sealing	1
13	%NSS	SPRING - shift lever, replaces 1967586C1 and 190436A1 spring, no longer included in transmission assembly, order 256888A3 kit	1
14	NSS	BUSHING - shift lever, replaces 181180A1 bushing, no longer included in transmission assembly, bushing is now part of 190428A3 lever, Ref 8, which is not serviced separately, order 256888A3 kit	1
15	NSS	RING - external retaining, replaces 800-1115 ring, no longer included in transmission assembly, ring is now part of 190428A3 lever, Ref 8, which is not serviced separately, order 256888A3 kit	1
16	181173A1	SHIFTER - rail	2
	%256888A3	KIT - synchronizer service, includes parts on pages 6-37, 6-39, 6-43 and 6-45, also includes (1 each) 278531A1 washer, 278532A1 bushing, 278533A1 spring and 279039A1 shift lever snap ring which are not serviced separately and not shown	1

Continued on next page

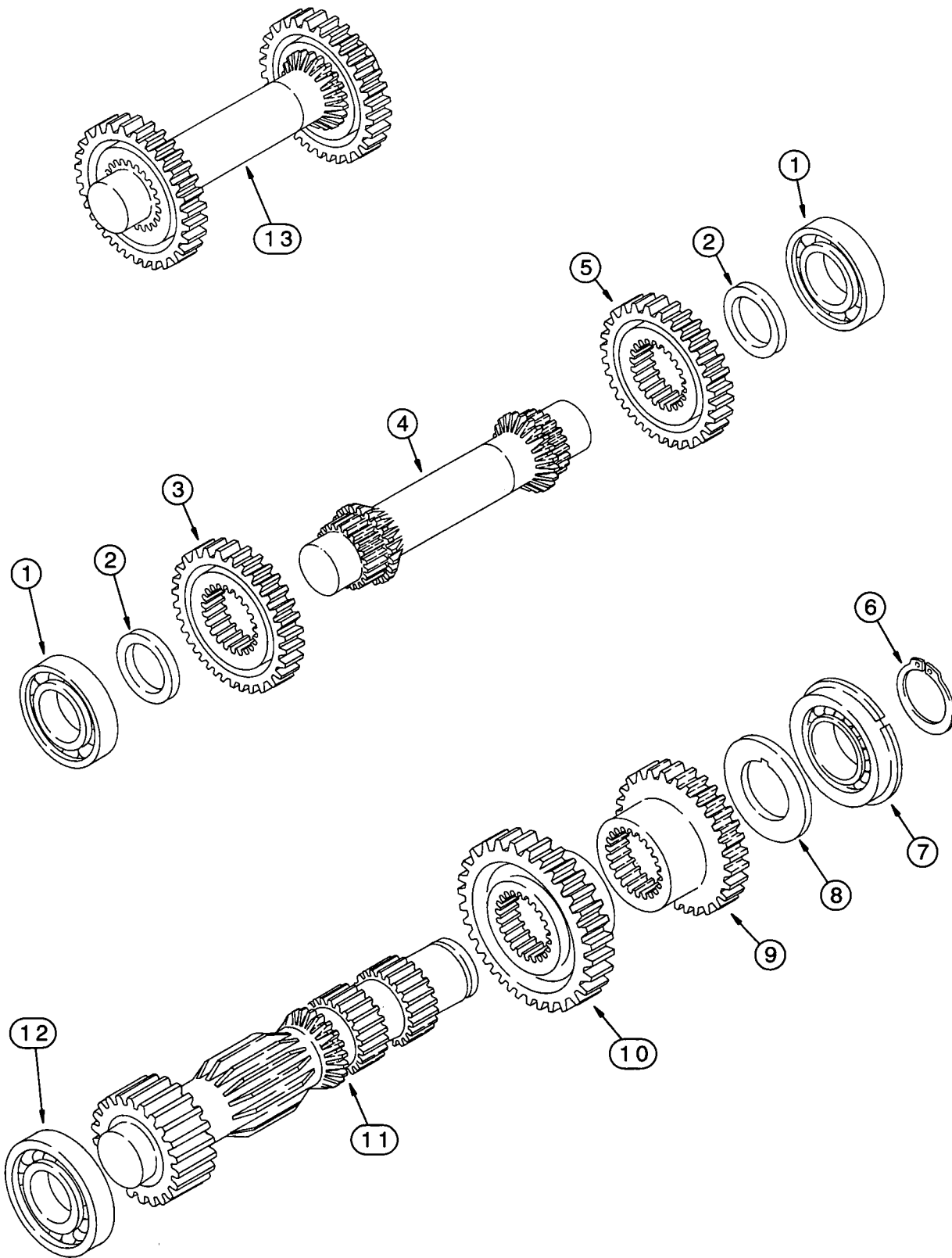
6-38



570LXT and 580L Series 2**6-39****TRANSMISSION ASSEMBLY
TRANSMISSION SHIFTER MECHANISM
TWO WHEEL OR FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
17	864-10025	BOLT - hex socket, 10 - 1.5 x 25 mm.	2
18	181175A1	PLATE - retainer, detent ball	1
19	181245A2	RAIL - shifter fork, first and second	1
20	%905794R1	PIN - roll, 6 x 30 mm.	2-4
21	181203A1	FORK - gear shift, first and second	1
22	%NSS	FORK - gear shift, third and fourth, replaces 181174A1 and 181174A2 fork, no longer included in transmission assembly, order 256888A3 kit	1
23	181104A1	WASHER - sealing, copper	4
24	181275A1	BOLT - hex, special	1
25	614-8016	BOLT - hex, full threads, 8 - 1.25 x 16 mm	1
	%256888A3	KIT - synchronizer service, includes parts on pages 6-37, 6-39, 6-43 and 6-45, also includes (1 each) 278531A1 washer, 278532A1 bushing, 278533A1 spring and 279039A1 shift lever snap ring which are not serviced separately and not shown	1

6-40

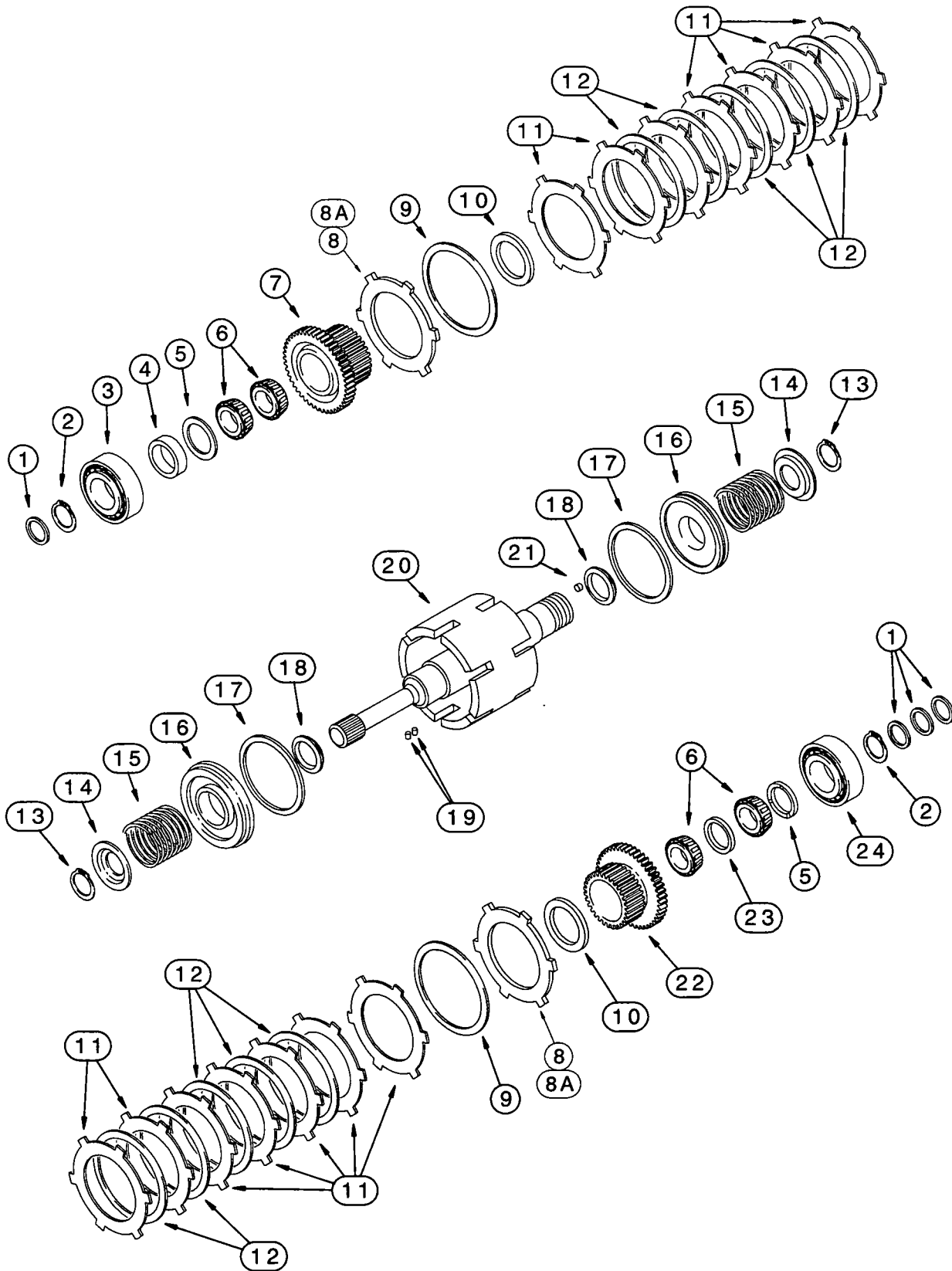


570LXT and 580L Series 2**6-41**

**TRANSMISSION ASSEMBLY
IDLER AND PRIMARY SHAFT
TWO WHEEL OR FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
1	ST205A	BEARING - ball	2
2	181151A1	SHIM - bearing, 52 x 35.1 x 4 mm, if used	2
3	181186A1	GEAR - idler, 27 teeth, 580L models, no longer available, 580L models order 310613A1 one-piece gear shaft, Ref 13	1
3	181225A1	GEAR - idler, 27 teeth, 570LXT models, no longer available, 570LXT models order 310614A1 one-piece gear shaft, Ref 13	1
4	181181A1	SHAFT - idler, no longer available, 580L models order 310613A1 one-piece gear shaft or 570LXT models order 310614A1 one-piece gear shaft, Ref 13	1
5	181186A1	GEAR - idler, 27 teeth, no longer available, 580L models order 310613A1 one-piece gear shaft or 570LXT models order 310614A1 one-piece gear shaft, Ref 13	1
6	A48041	RING - snap	1
7	181128A1	BEARING - ball	1
8	181154A1	WASHER - thrust, 65 x 45 mm	1
9	181188A1	GEAR - drive, third, 28 teeth	1
10	181187A1	GEAR - drive, fourth, 39 teeth	1
11	181184A1	SHAFT - primary	1
12	181132A1	BEARING - roller	1
13	310613A1	SHAFT - gear, idler, one-piece, replaces Ref 2 through 5 on 580L models, 181151A1 shim (Ref 2) is not required with 310613A1 one-piece gear shaft	1
13	310614A1	SHAFT - gear, idler, one-piece, replaces Ref 2 through 5 on 570LXT models, 181151A1 shim (Ref 2) is not required with 310614A1 one-piece gear shaft	1

6-42



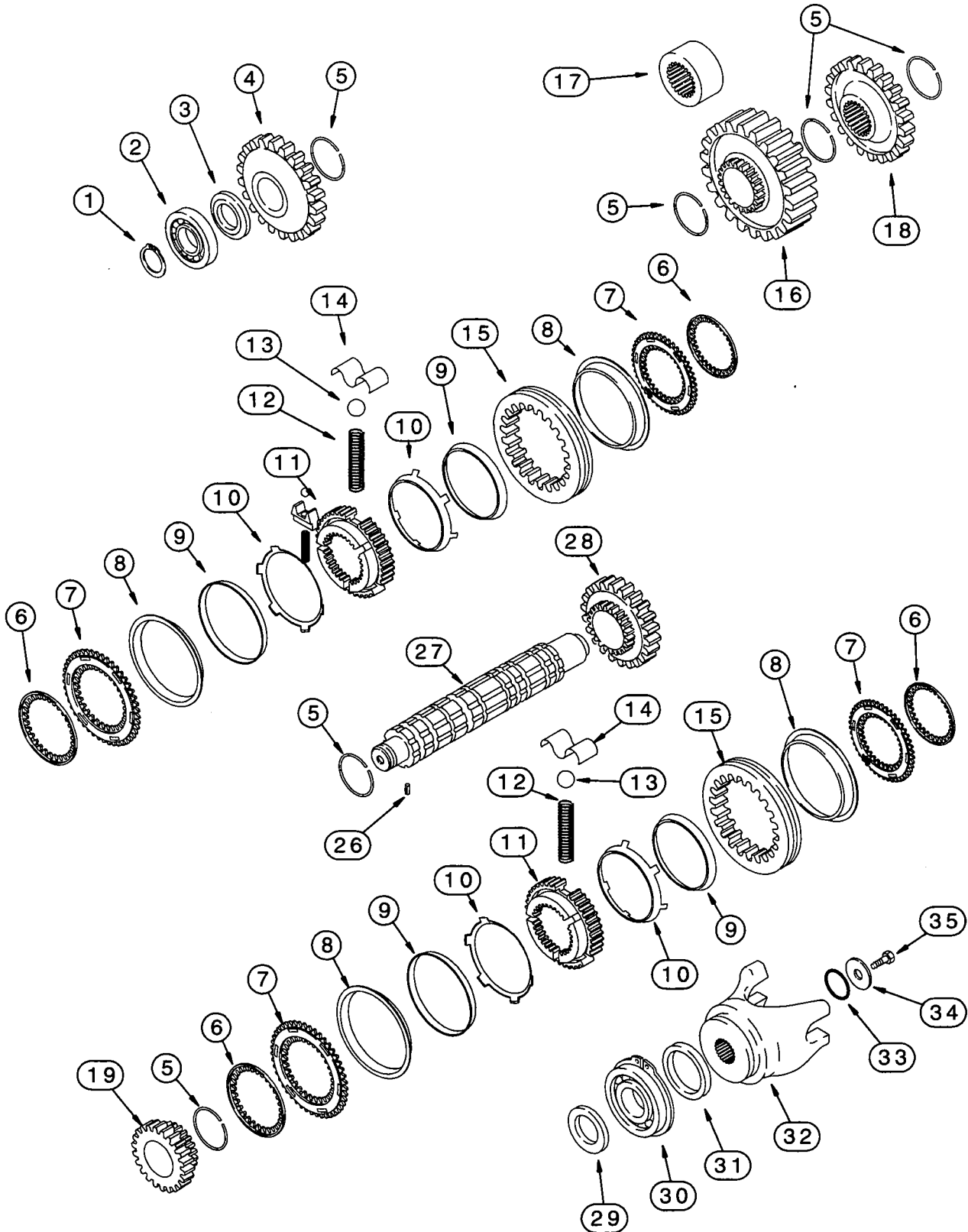
570LXT and 580L Series 2
6-43

**TRANSMISSION ASSEMBLY
INPUT SHAFT
TWO WHEEL OR FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
1	181152A3	SEAL - oil	4
2	A48041	RING - snap	2
3	181128A1	BEARING - ball	1
4	181153A1	SPACER - bearing	1
5	181154A1	WASHER - thrust, 65 x 45 mm.	2
6	181135A1	BEARING - needle	4
7	181228A2	GEAR - input shaft, 35 teeth, 580L models	1
7	181229A1	GEAR - input shaft, 29 teeth, 570LXT models	1
8	*181162A1	PLATE - thrust, 3.7 mm thick tabs, no longer used, order Ref 8A	2
8A	*310519A1	PLATE - thrust, 6.2 mm thick tabs	2
9	181116A1	RING - lock	2
10	181163A1	WASHER - thrust	2
11	*181159A1	PLATE - disc, intermediate.	14-16
12	181158A1	PLATE - disc, clutch	12
13	181111A1	RING - snap	2
14	181161A1	PLATE - pressure	2
15	%NSS	SPRING - detent, replaces 181160A1 and 181160A2 spring, no longer included in transmission assembly, order 256888A3 synchronizer kit, see below	2
16	%NSS	PISTON - input shaft, replaces 181155A1 and 181155A2 piston, no longer included in transmission assembly, order 256888A3 synchronizer kit, see below	2
17	181157A3	RING - seal.	2
18	181156A3	RING - seal, small	2
19	181108A1	PIN - roll	4
20	298203A1	SHAFT - input.	1
21	D142898	PLUG - input shaft	1
22	181227A2	GEAR - shaft, 29 teeth	1
23	181164A1	SPACER - bearing	1
24	181126A1	BEARING - ball	1
	%256888A3	KIT - synchronizer service, replaces 256888A2 kit, includes parts on pages 6-37, 6-39, 6-43 and 6-45, also includes (1 each) 278531A1 washer, 278532A1 bushing, 278533A1 spring and 279039A1 shift lever snap ring which are not serviced separately and not shown	1

*** NOTE:** When replacing 181162A1 plate (3.7 mm thick tabs) with thicker 310519A1 plate (6.2 mm thick tabs), two less disc plates (Ref 11) are required per transmission.

6-44

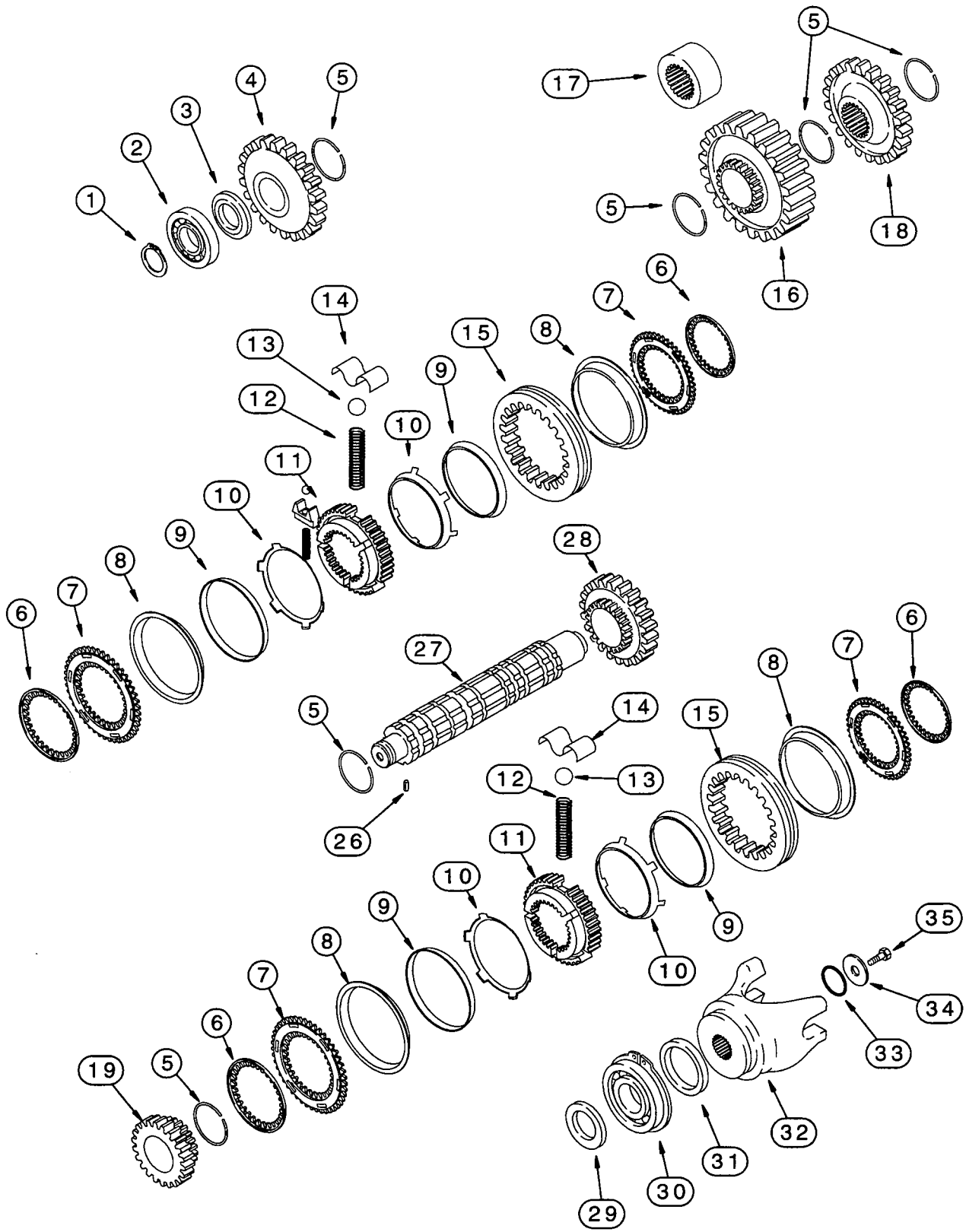


570LXT and 580L Series 2
TRANSMISSION ASSEMBLY
SECONDARY SHAFT
TWO WHEEL OR FOUR WHEEL DRIVE

6-45

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
1	181118A1	RING - lock	1
2	181132A1	BEARING - roller	1
3	181193A1	WASHER - thrust, 64 x 40 mm.	1
4	181190A1	GEAR - driven, second, 43 teeth	1
5	181114A1	RING - snap	6
	%190427A1	KIT - synchronizing service	2
6	%244109A1	SPACER - gear to synchronizer ring	4
7	NSS	RING - synchronizer	2
8	NSS	RING - synchronizer, flanged	2
9	NSS	SPACER - hub	2
10	NSS	RETAINER - spacer	2
11	NSS	HUB - synchronizer	1
12	NSS	SPRING - hub	3
13	NSS	BALL - hub	3
14	NSS	PLATE - spring	3
15	NSS	SLEEVE - hub	1
16	181189A1	GEAR - driven, first, 49 teeth	1
17	181226A1	SPACER - gear, two-wheel drive models.	1
18	181224A1	GEAR - drive, MFD, 44 teeth, 580L models.	1
18	181220A1	GEAR - drive, 43 teeth, 570LXT models, no longer available, order 308485A1 gear set, which includes 181224A1 drive gear above and 181223A1 driven gear, Ref 11 on page 6-49	1
19	181192A1	GEAR - driven, fourth, 23 teeth	1
	%256888A3	KIT - synchronizer service, includes parts on pages 6-37, 6-39, 6-43 and 6-45, also includes (1 each) 278531A1 washer, 278532A1 bushing, 278533A1 spring and 279039A1 shift lever snap ring which are not serviced separately and not shown	1

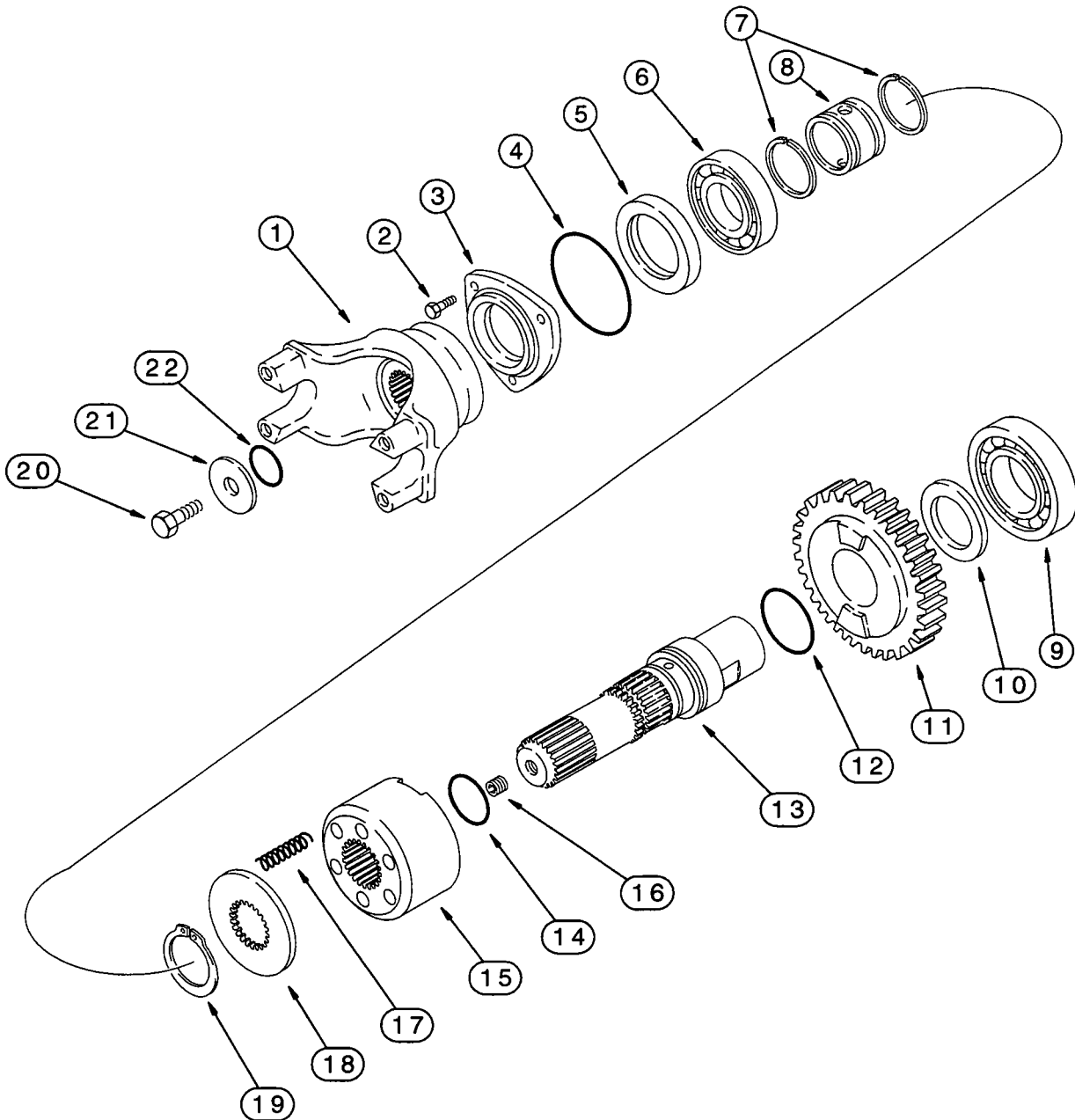
Continued on next page



570LXT and 580L Series 2**6-47****TRANSMISSION ASSEMBLY
SECONDARY SHAFT
TWO WHEEL OR FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
26	181108A1	PIN - roll	1
27	181183A1	SHAFT - secondary	1
28	181191A1	GEAR - driven, third, 33 teeth	1
29	181154A1	WASHER - thrust, 65 x 45 mm.	1
30	181130A1	BEARING - ball	1
31	181123A1	SEAL - oil, 60 x 75 x 8 mm.	1
32	233284A1	YOKE - shaft, rear	1
33	181144A1	O-RING - flange sealing	1
34	181165A1	WASHER - flat, special, 52 x 12.5 x 5 mm.	1
35	P3533055	SCREW - locking, special, 12 - 1.25 x 25 mm	1

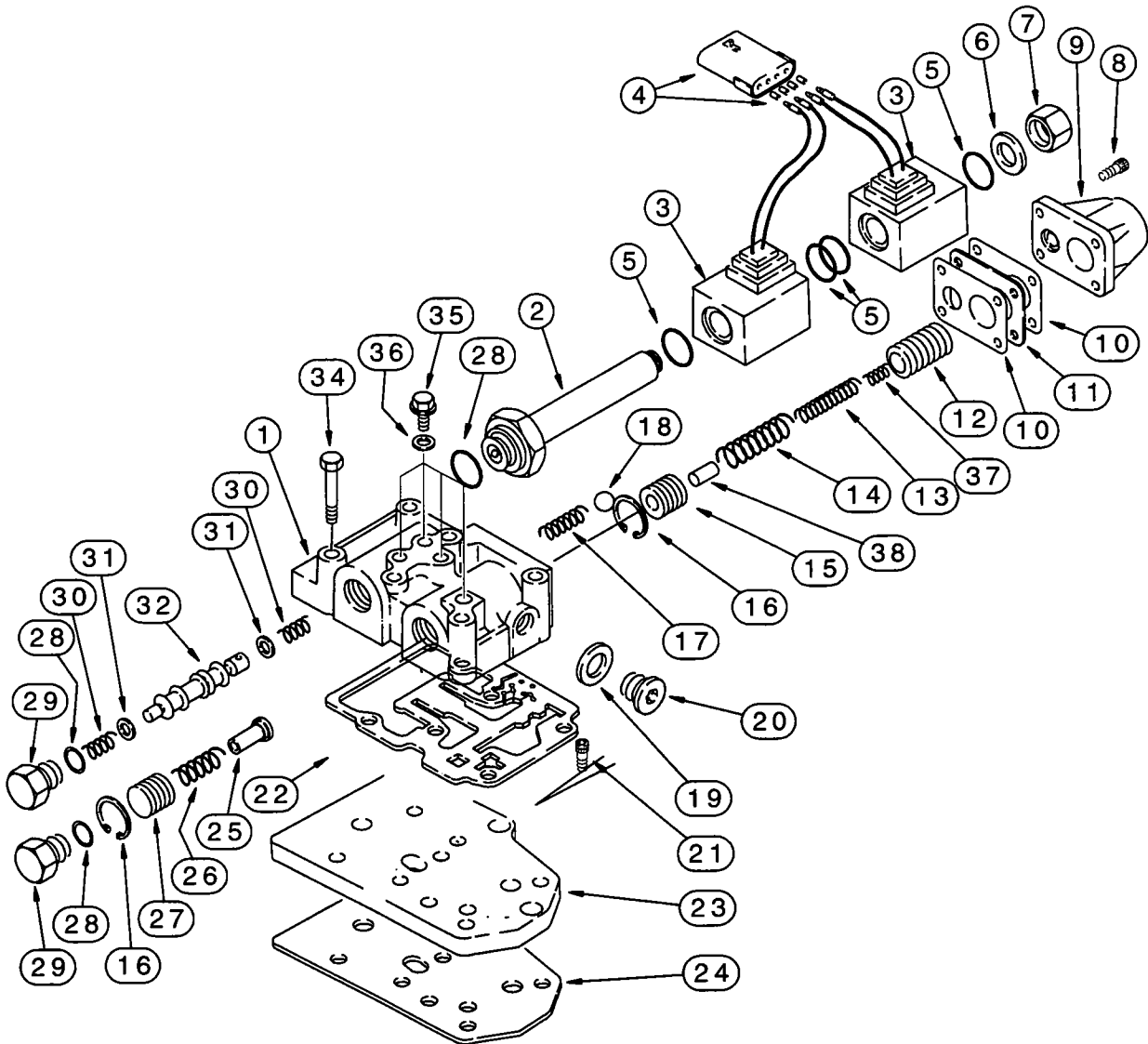
6-48



570LXT and 580L Series 2**6-49****TRANSMISSION ASSEMBLY
FOUR WHEEL DRIVE OUTPUT SHAFT**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
1	233283A1	YOKE - shaft, front	1
2	614-8022	BOLT - hex, full threads, 8 - 1.25 x 22 mm	3
3	181198A1	COVER - front	1
4	112517A1	O-RING - cover	1
5	181122A1	SEAL - oil, 50 x 65 x 8 mm.	1
6	ST205A	BEARING - ball	1
7	181152A3	SEAL - oil	2
8	181194A1	BUSHING - grooved.	1
9	181126A1	BEARING - ball	1
10	181154A1	WASHER - thrust, 65 x 45 mm.	1
11	181221A1	GEAR - driven, MFD, 37 teeth, 130787A2 transmission, 570LXT models, no longer available, order 308485A1 gear set, which includes 181224A1 drive gear, Ref 18 on page 6-45 and 181223A1 driven gear below.	1
11	181223A1	GEAR - driven, MFD, 36 teeth, 123843A2 transmission, 580L models	1
12	100747A1	O-RING - shaft, large	1
13	181182A1	SHAFT - output	1
14	100748A1	O-RING - shaft, small.	2
15	181248A1	SLEEVE - shaft	1
16	D142898	PLUG - shaft, 10 x 1 mm	1
17	100753A1	SPRING - sleeve	6
18	181276A1	WASHER - flat, special	1
19	181120A1	RING - snap	1
20	P3533055	SCREW - locking, special, 12 - 1.25 x 25 mm	1
21	P2745466	WASHER - flat, special	1
22	238-8217	O-RING - 1-3/16 ID x 1/8 inch wide	1

6-50

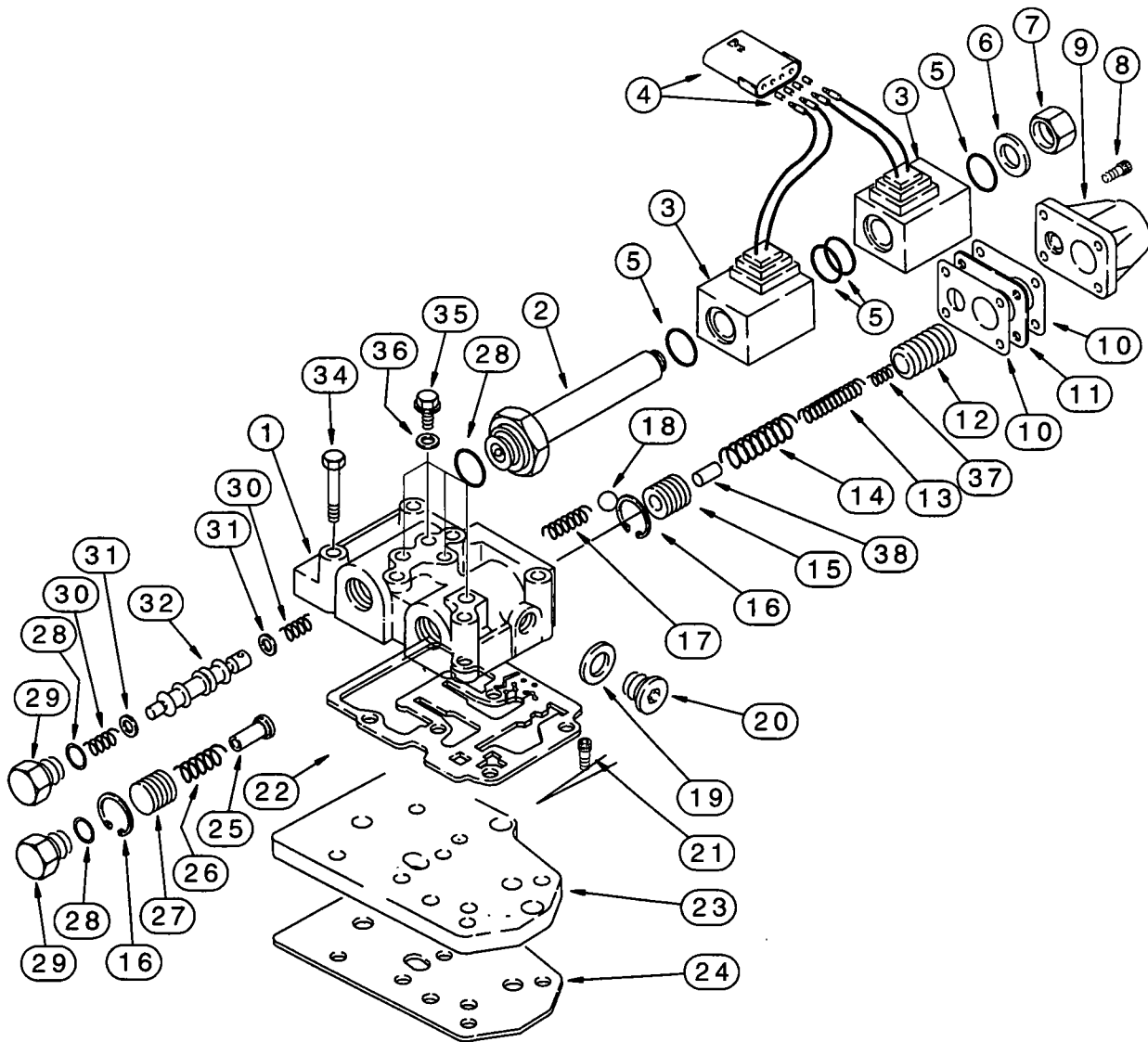


570LXT and 580L Series 2**6-51****TRANSMISSION ASSEMBLY
TRANSMISSION CONTROL VALVE
TWO WHEEL OR FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
	190434A1	VALVE ASSEMBLY - transmission control	1
1	NSS	BODY - transmission control valve	1
2	190442A1	PLUNGER - solenoid	1
3	190443A1	COIL - solenoid	2
4	190437A1	CONNECTOR - solenoid	1
5	181136A1	O-RING - sealing	4
6	181273A1	WASHER - sealing, steel	1
7	181272A1	PLUG - hex, cap	1
8	864-6020	BOLT - hex socket, 6 - 1.0 x 20 mm	4
9	181251A1	COVER - modulation	1
10	181256A1	GASKET - cover	2
11	190439A1	SPACER - gasket	1
12	190438A1	PISTON - modulation, outer	1
13	190435A1	SPRING - inner	1
14	190441A1	SPRING - outer	1
15	181234A1	PISTON - modulation, inner	1
16	299324A1	RING - snap	2
17	181261A1	SPRING - check	1
18	181146A1	BALL - check	1
19	181107A1	WASHER - sealing, copper	1
20	181103A1	PLUG - oil	1
21	864-8020	BOLT - hex socket, 8 - 1.25 x 20 mm	3
22	181166A1	GASKET - body to valve plate	1
23	181207A1	PLATE - valve	1
24	181208A1	GASKET - valve plate to transmission housing	1
25	181254A1	SHAFT - flow divider	1
26	181260A1	SPRING - piston	1
27	181255A1	PISTON - flow divider	1
28	181137A1	O-RING - plug	3

Continued on next page

6-52



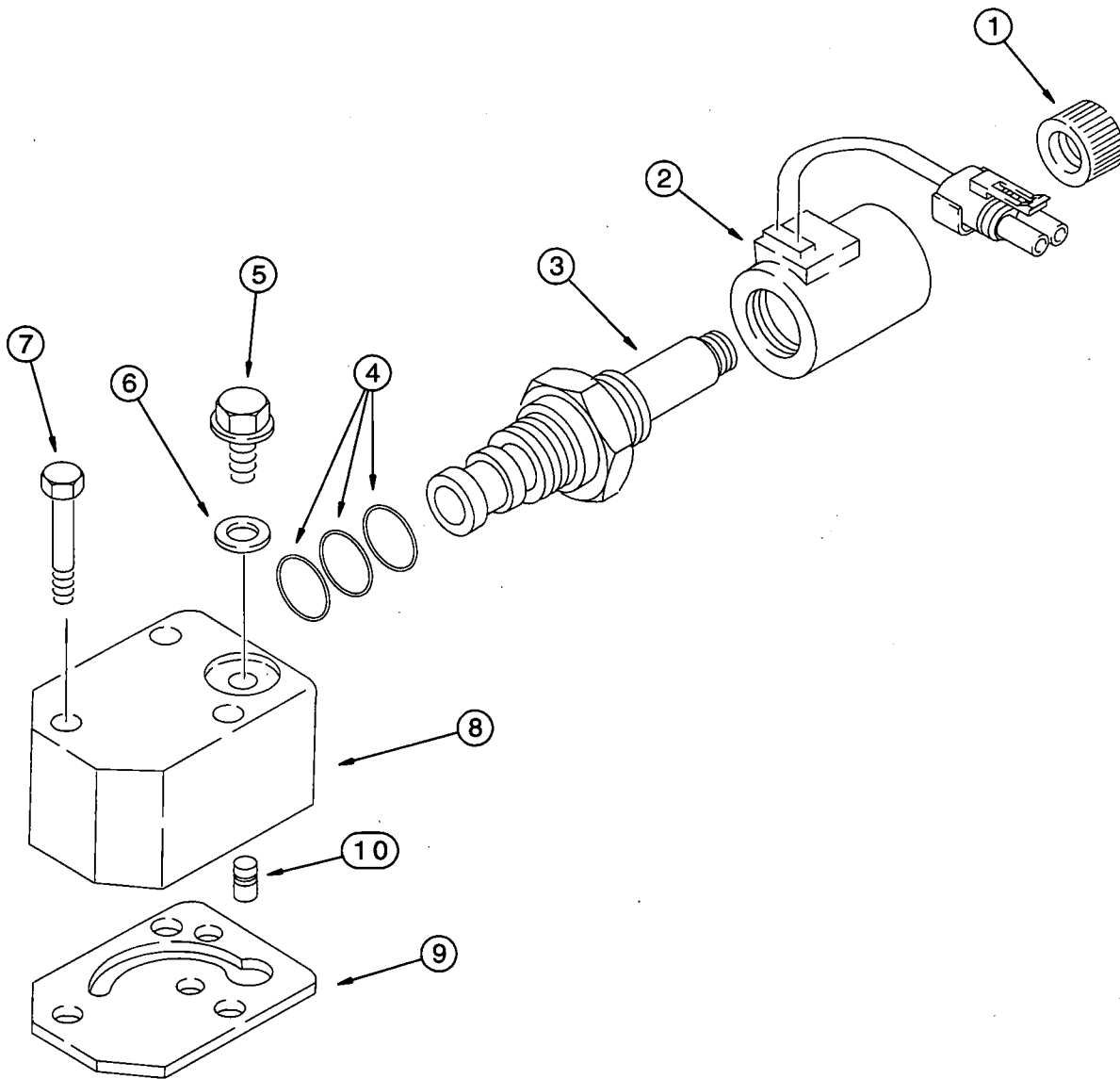
570LXT and 580L Series 2

6-53

**TRANSMISSION ASSEMBLY
TRANSMISSION CONTROL VALVE
TWO WHEEL OR FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123842A2	TRANSMISSION ASSEMBLY - two wheel drive, 580L models, parts list pages 6-29 - 6-53	1
	130786A2	TRANSMISSION ASSEMBLY - two wheel drive, 570LXT models, parts list pages 6-29 - 6-53	1
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
	190434A1	VALVE ASSEMBLY - transmission control, continued from previous page	1
29	181258A1	PLUG - valve.	2
30	181262A1	SPRING - spool	2
31	181253A1	SPACER - spring	2
32	190444A1	SPOOL - forward/reverse	1
34	814-8080	BOLT - hex, 8 - 1.25 x 80 mm.	6
35	181100A1	PLUG - valve.	4
36	934667R1	WASHER - flat, copper, special, 10 x 14 x 1.5 mm	4
37	190436A1	SPRING - piston, outer modulation.	1
38	190440A1	PIN - piston, inner modulation.	1

6-54



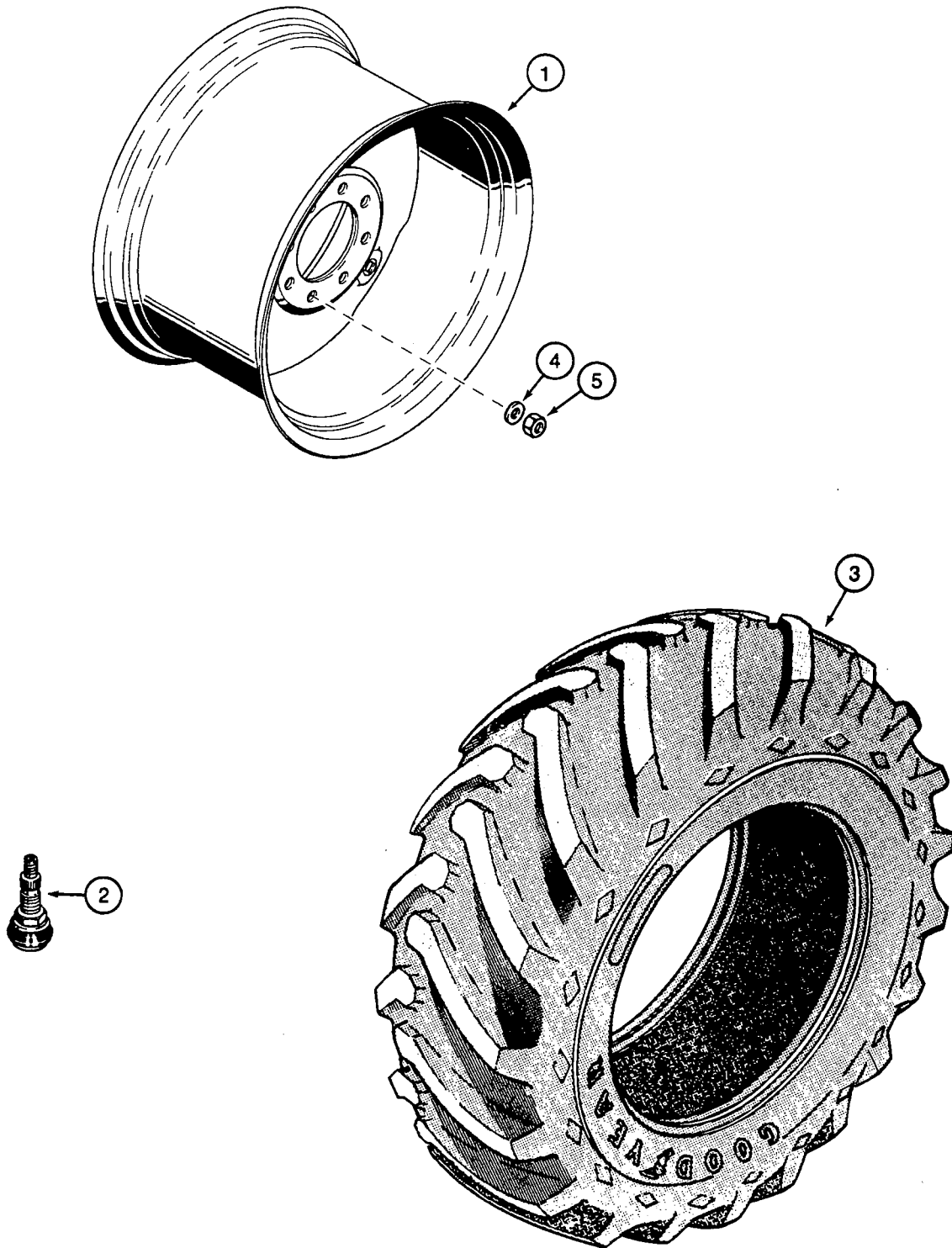
570LXT and 580L Series 2

6-55

**TRANSMISSION ASSEMBLY
SOLENOID VALVE - FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	123843A2	TRANSMISSION ASSEMBLY - four wheel drive, 580L models, parts list pages 6-29 - 6-55	1
	130787A2	TRANSMISSION ASSEMBLY - four wheel drive, 570LXT models, parts list pages 6-29 - 6-55	1
	190432A1	VALVE ASSEMBLY - solenoid	1
1	NSS	NUT - cap	1
2	NSS	COIL - solenoid	1
3	NSS	VALVE - solenoid	1
4	181149A1	KIT - seal, solenoid, includes (1 each) 238-5014, 238-5015 and 237-6010 O-ring, not available for service, order 190432A1 valve	1
5	181100A1	PLUG - valve	2
6	934667R1	WASHER - flat, copper, special, 10 x 14 x 1.5 mm	2
7	814-8060	BOLT - hex, 8 - 1.25 x 60 mm	3
8	190429A1	BODY - solenoid valve	1
9	190430A1	GASKET - body to transmission housing	1
10	190431A1	VALVE - solenoid, installed between item 8 and item 9	1

6-56



570LXT and 580L Series 2

6-57

**REAR WHEELS AND TIRES
TWO WHEEL OR FOUR WHEEL DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.

19.5L x 24 TIRES - 10 PLY

1	104907A1	WHEEL - rim	2
2	A20058	VALVE - stem, wheel.	2
3	REF	TIRE - rear, purchase locally	2

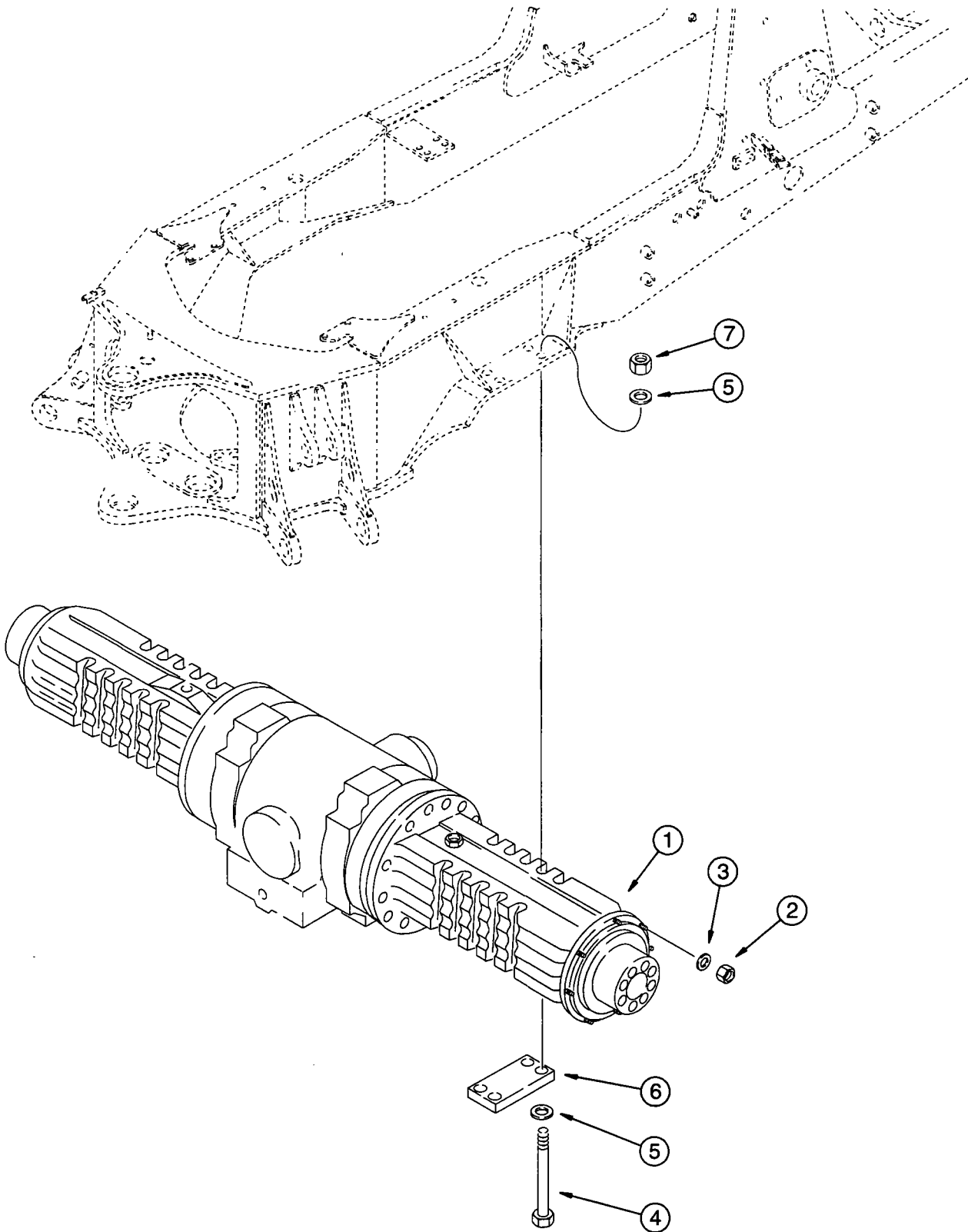
17.5L x 24 TIRES - 10 PLY

1	119241A1	WHEEL - rim	2
2	A20058	VALVE - stem, wheel.	2
3	REF	TIRE - rear, purchase locally	2

WHEEL NUTS

4	D138380	WASHER - flat, hardened, special.	20
5	D138492	NUT - hex, special, 22 mm - 1.5	20

6-58

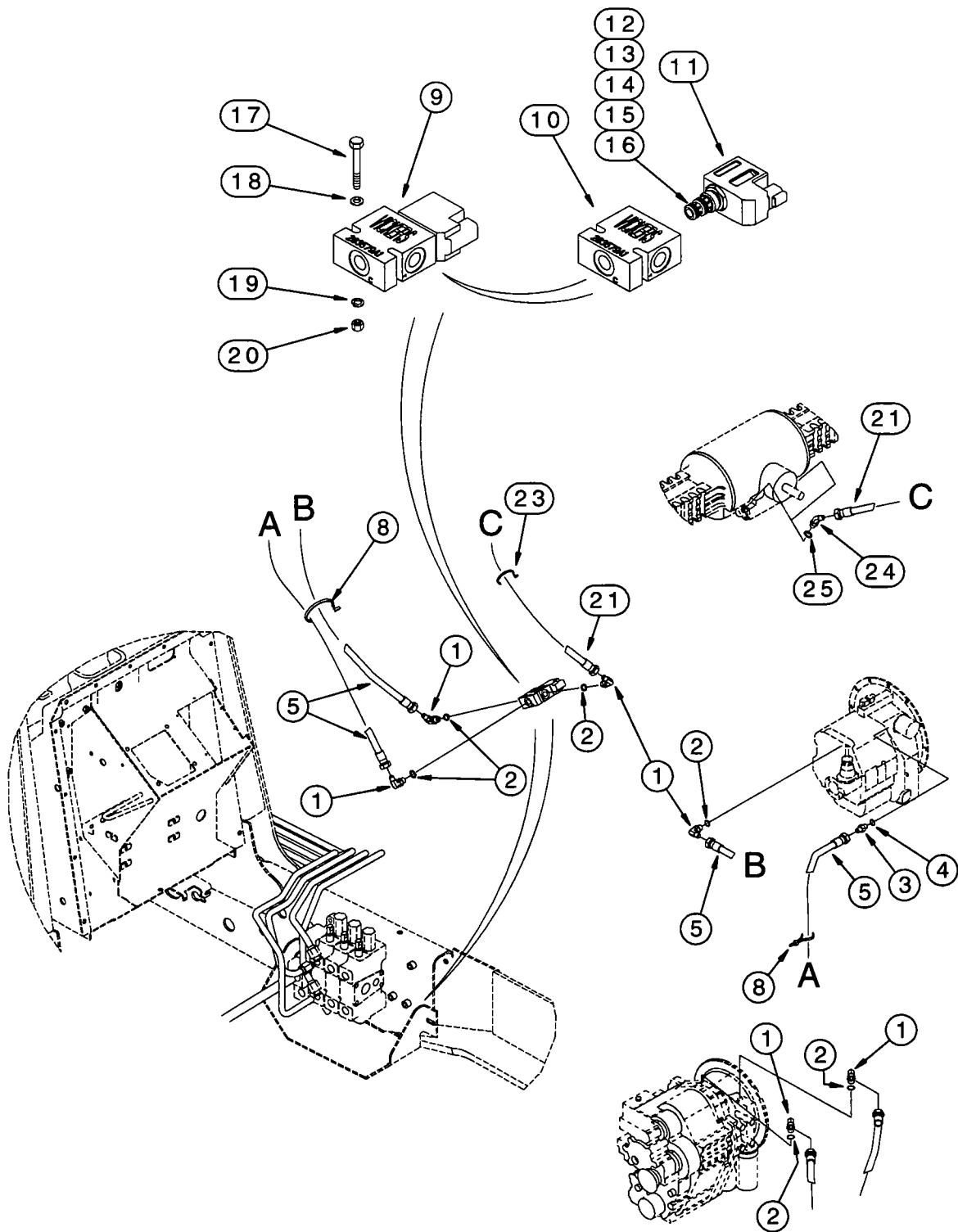


570LXT and 580L Series 2

6-59

REAR DRIVE AXLE MOUNTING

REF.	PART NO.	DESCRIPTION	REQ'D.
1	279172A1	AXLE ASSEMBLY - rear drive, parts list pages 6-63 - 6-71, 7-3 and 7-5	1
2	D138492	NUT - hex, special, 22 mm - 1.5	20
3	D138380	WASHER - flat, hardened, special.	20
4	827-20230	BOLT - hex, 20 - 2.5 x 230 mm, class 10.9	8
5	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	16
6	117933A1	PLATE - axle mounting	2
7	829-1420	NUT - hex, 20 mm - 2.5, class 10	8

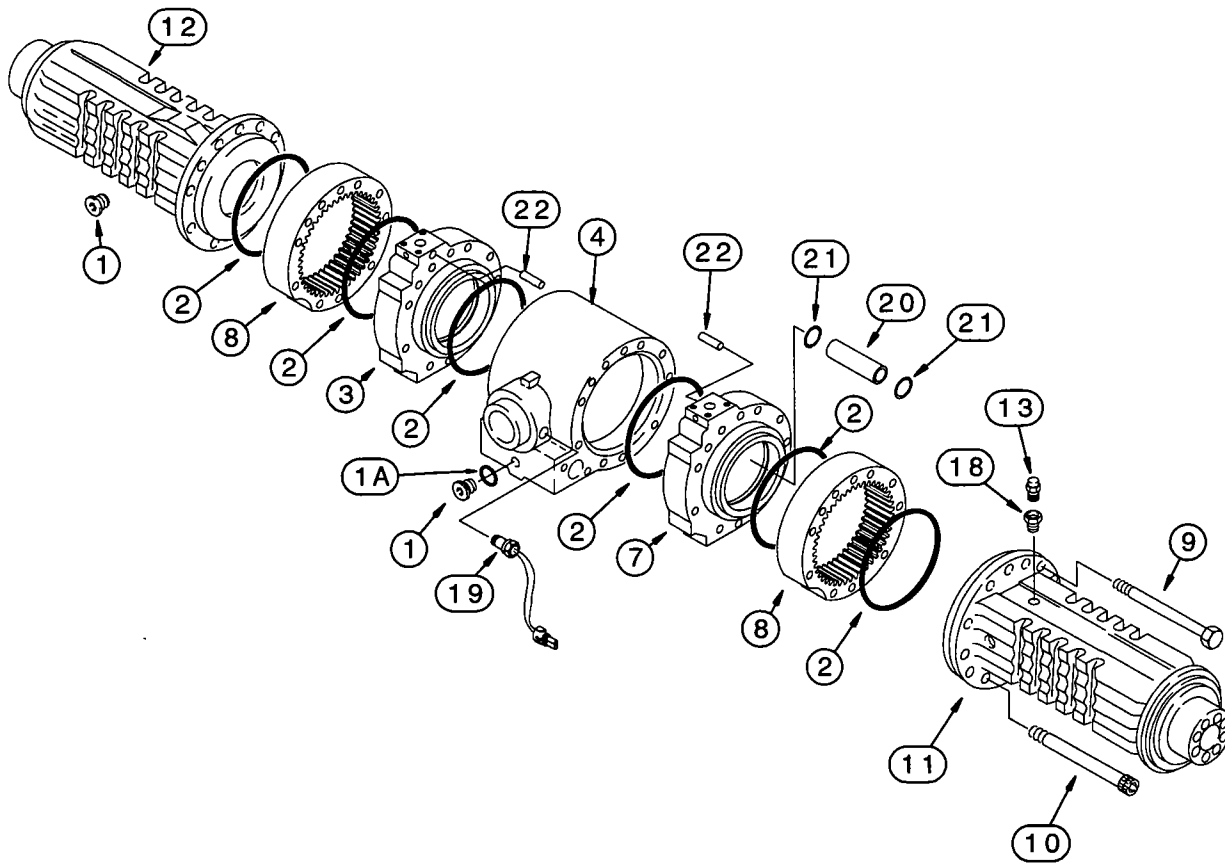


570LXT and 580L Series 2**6-61****REAR AXLE DIFFERENTIAL LOCK**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	218-5105	ELBOW - 90 degree, 9/16-18 inch flare x adj O-ring boss	4
2	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
3	218-5057	ADAPTER - straight, 9/16-18 inch flare x O-ring boss	1
4	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
5	304019A1	HOSE - 1200 mm (47-1/4 inch) long, transmission supply and return lines, transmission to solenoid valve	2
8	L18337	STRAP - tie, 15 inch	2
9	283579A1	VALVE ASSEMBLY - solenoid, differential lock	1
10	297255A1	MANIFOLD - valve	1
11	184505A1	SOLENOID ASSEMBLY - valve, 12 volt	1
12	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
13	238-5013	O-RING - 7/16 ID x 1/16 inch wide	1
14	238-5014	O-RING - 1/2 ID x 1/16 inch wide	1
15	NSS	VALVE - solenoid, cartridge, component parts are not serviced separately	1
16	NSS	COIL - solenoid	1
17	614-6050	BOLT - hex, full threads, 6 - 1.0 x 50 mm	2
18	895-11006	WASHER - flat, 6.6 x 12 x 1.6 mm	2
19	892-11006	WASHER - lock, 6 mm	2
20	829-1406	NUT - hex, 6 mm - 1.0, class 10	2
21	304020A1	HOSE - 625 mm (24-5/8 inch) long, solenoid valve to rear axle	1
23	L18337	STRAP - tie, 15 inch	1
24	218-5135	ELBOW - 45 degree, 9/16-18 inch flare x adj O-ring boss	1
25	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1

6-62

ART ROTATED
180 DEGREES



570LXT and 580L Series 2

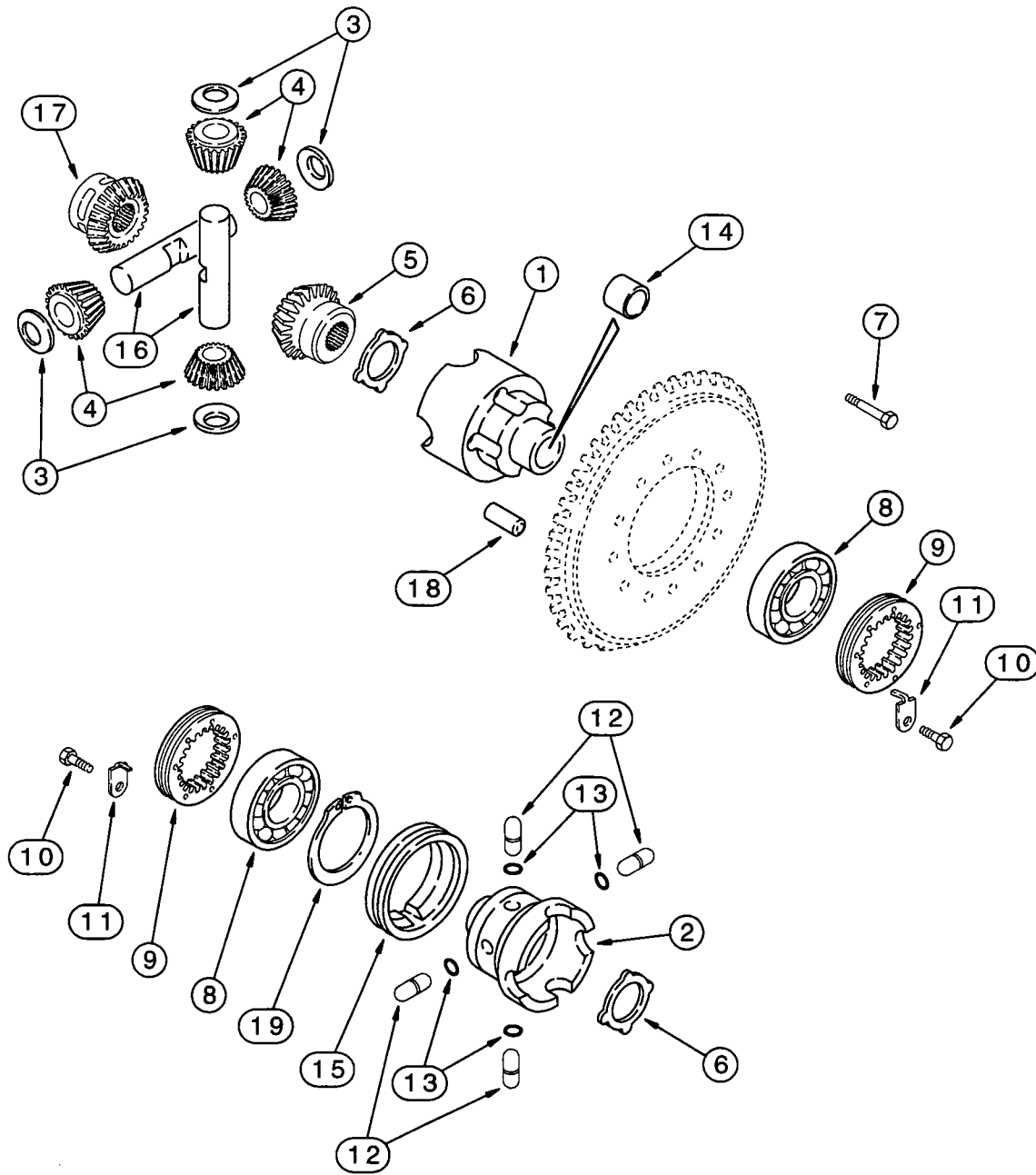
6-63

REAR DRIVE AXLE

AXLE HOUSING

REF.	PART NO.	DESCRIPTION	REQ'D.
	279172A1	AXLE ASSEMBLY - rear drive, parts list pages 6-63 - 6-71, 7-3 and 7-5	1
1	100557A1	PLUG - drain	2
1A	238-6121	O-RING - 1-1/16 ID x 3/32 inch wide	1
2	238-5270	O-RING - 9 ID x 1/8 inch wide	6
3	190457A2	CYLINDER - brake, right-hand	1
4	222689A1	HOUSING - center, axle	1
7	190458A2	CYLINDER - brake, left-hand	1
8	190459A1	SLEEVE - gear housing	2
9	814-14140	BOLT - hex, 14 - 2.0 x 140 mm	22
10	864-12130	BOLT - hex socket, 12 - 1.75 x 130 mm.	4
11	295574A1	HOUSING - axle, left-hand side	1
12	295573A1	HOUSING - axle, right-hand side	1
13	1966149C2	BREATHER - axle housing	1
18	E135750	EXTENSION - breather	1
19	192481A1	SWITCH - oil temperature, may have one or two wires	1
20	222688A1	TUBE - internal.	1
21	100760A1	O-RING - sealing, tube.	2
22	D142898	PLUG - sealing, hole	2

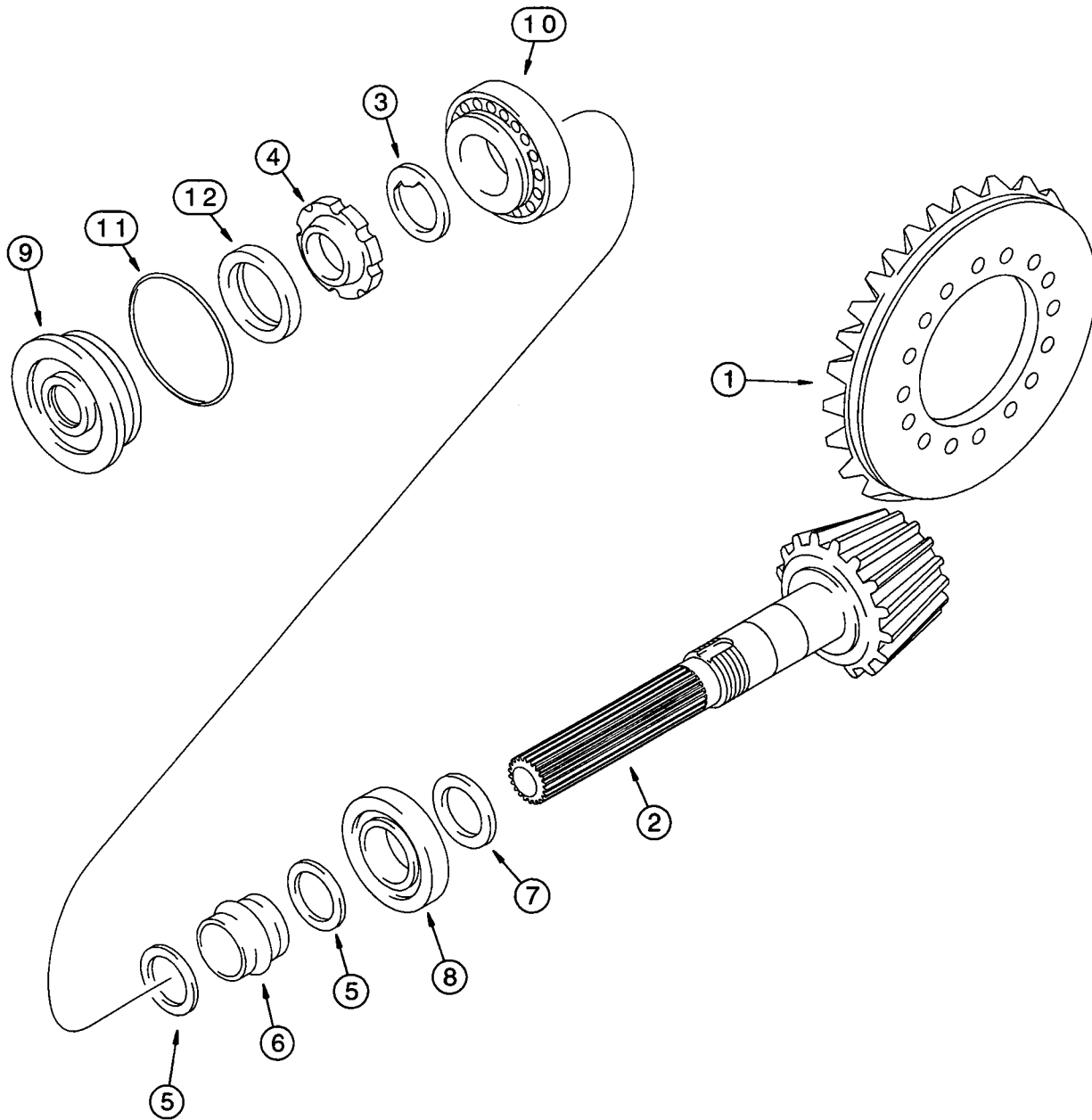
6-64



570LXT and 580L Series 2**6-65****REAR DRIVE AXLE****DIFFERENTIAL**

REF.	PART NO.	DESCRIPTION	REQ'D.
	279172A1	AXLE ASSEMBLY - rear drive, parts list pages 6-63 - 6-71, 7-3 and 7-5	1
	292268A1	HOUSING ASSEMBLY - differential	1
1	NSS	HOUSING - differential, flange half	1
2	NSS	HOUSING - differential, plain half	1
3	*E135777	WASHER - thrust	4
4	*190471A1	GEAR - sun, 12 teeth, no longer sold separately, must be replaced as a set, for service order 294192A1 gear set, see below	4
5	*D142971	GEAR - side, pinion, no longer sold separately, must be replaced as a set, for service order 294192A1 gear set, see below	1
6	*190469A1	WASHER - thrust	2
7	S300976	BOLT - hex, special, 12 - 1.75 x 90 mm, class 12.9.	10
8	E135785	BEARING - cup and cone	2
9	P3034505	RING - locking, threaded	2
10	112486A1	BOLT - hex, self-locking, special, 6 - 1 x 12 mm	2
11	175959A1	BRACKET - lock.	2
12	292207A1	PIN - housing	4
13	292208A1	O-RING - pin	4
14	190452A1	BUSHING - housing	2
15	191067A1	SLEEVE - housing	1
16	*190468A1	SHAFT - sun gear, no longer sold separately, must be replaced as a set, for service order 294192A1 gear set, see below	2
17	*292890A1	GEAR - side pinion, no longer sold separately, must be replaced as a set, for service order 294192A1 gear set, see below	1
18	D143033	PIN - dowel, 12 x 40 mm	2
19	175961A1	RING - lock.	1
	*294192A1	SET - gear, differential, service replacement, includes items 3-6, 16 and 17.	1

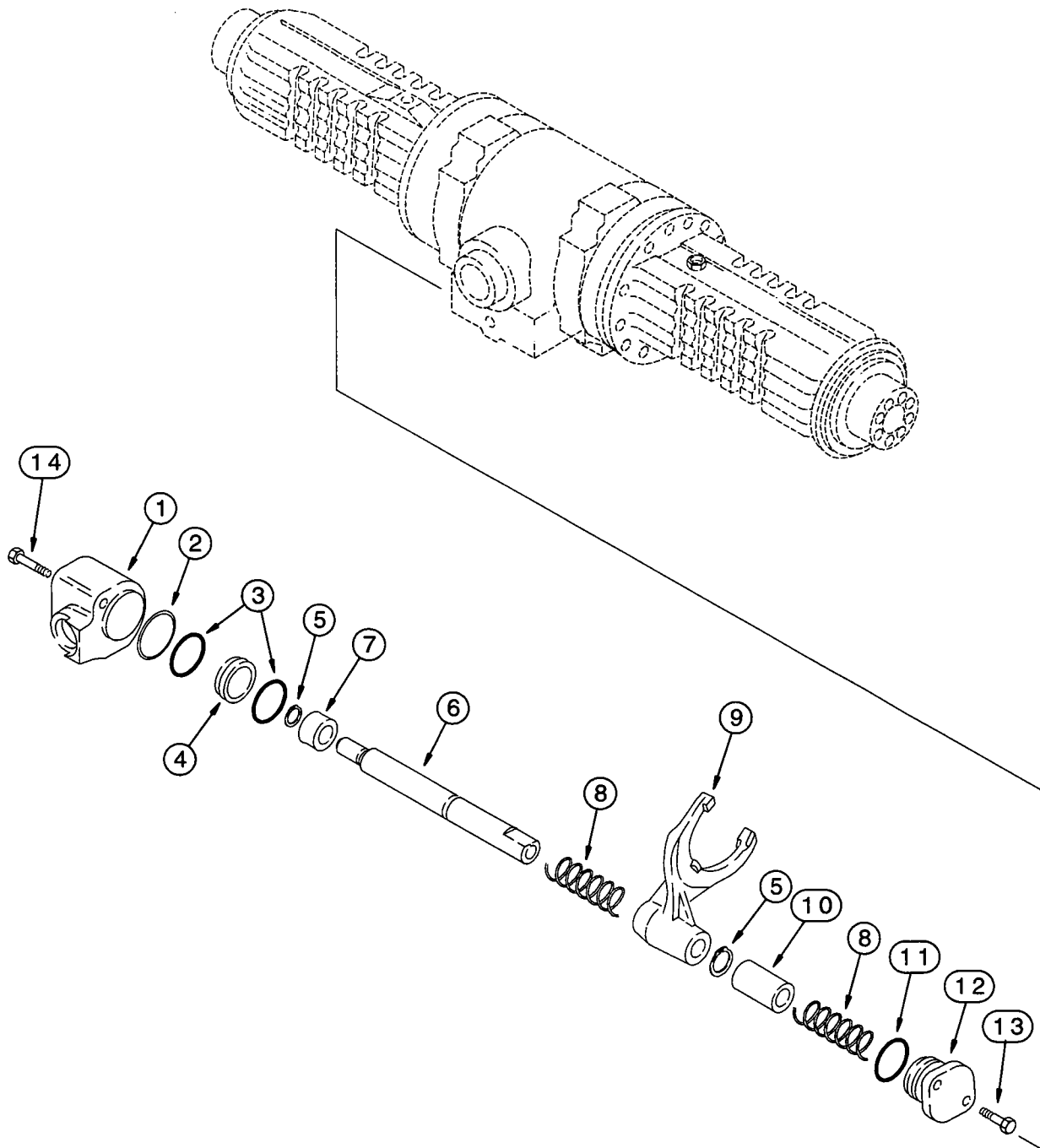
6-66



570LXT and 580L Series 2**6-67****REAR DRIVE AXLE
RING AND PINION GEAR SET**

REF.	PART NO.	DESCRIPTION	REQ'D.
	279172A1	AXLE ASSEMBLY - rear drive, parts list pages 6-63 - 6-71, 7-3 and 7-5	1
	175956A1	GEAR - set, ring and pinion	1
1	NSS	GEAR - ring, differential	1
2	NSS	GEAR - pinion, differential	1
3	K261065	WASHER - special	1
4	K261014	RING - nut, pinion gear	1
5	1349059C1	WASHER - spacer	2
6	175957A1	SPACER - collapsible	1
7	190506A1	SHIM - 2.5 mm (0.098 inch) thick	UAR
7	190508A1	SHIM - 2.6 mm (0.102 inch) thick	UAR
7	190509A1	SHIM - 2.7 mm (0.106 inch) thick	UAR
7	190510A1	SHIM - 2.8 mm (0.110 inch) thick	UAR
7	190511A1	SHIM - 2.9 mm (0.114 inch) thick	UAR
7	190512A1	SHIM - 3.0 mm (0.118 inch) thick	UAR
7	190513A1	SHIM - 3.1 mm (0.122 inch) thick	UAR
7	190514A1	SHIM - 3.2 mm (0.125 inch) thick	UAR
7	190515A1	SHIM - 3.3 mm (0.129 inch) thick	UAR
7	190516A1	SHIM - 3.4 mm (0.133 inch) thick	UAR
8	E135762	BEARING - 45 x 100 mm, pinion gear	1
9	128570A1	COVER - differential	1
10	K395090	BEARING - tapered roller, pinion gear	1
11	238-5152	O-RING - 3-1/4 ID x 3/32 inch wide, cover	1
12	K262143	SEAL - oil	1

6-68



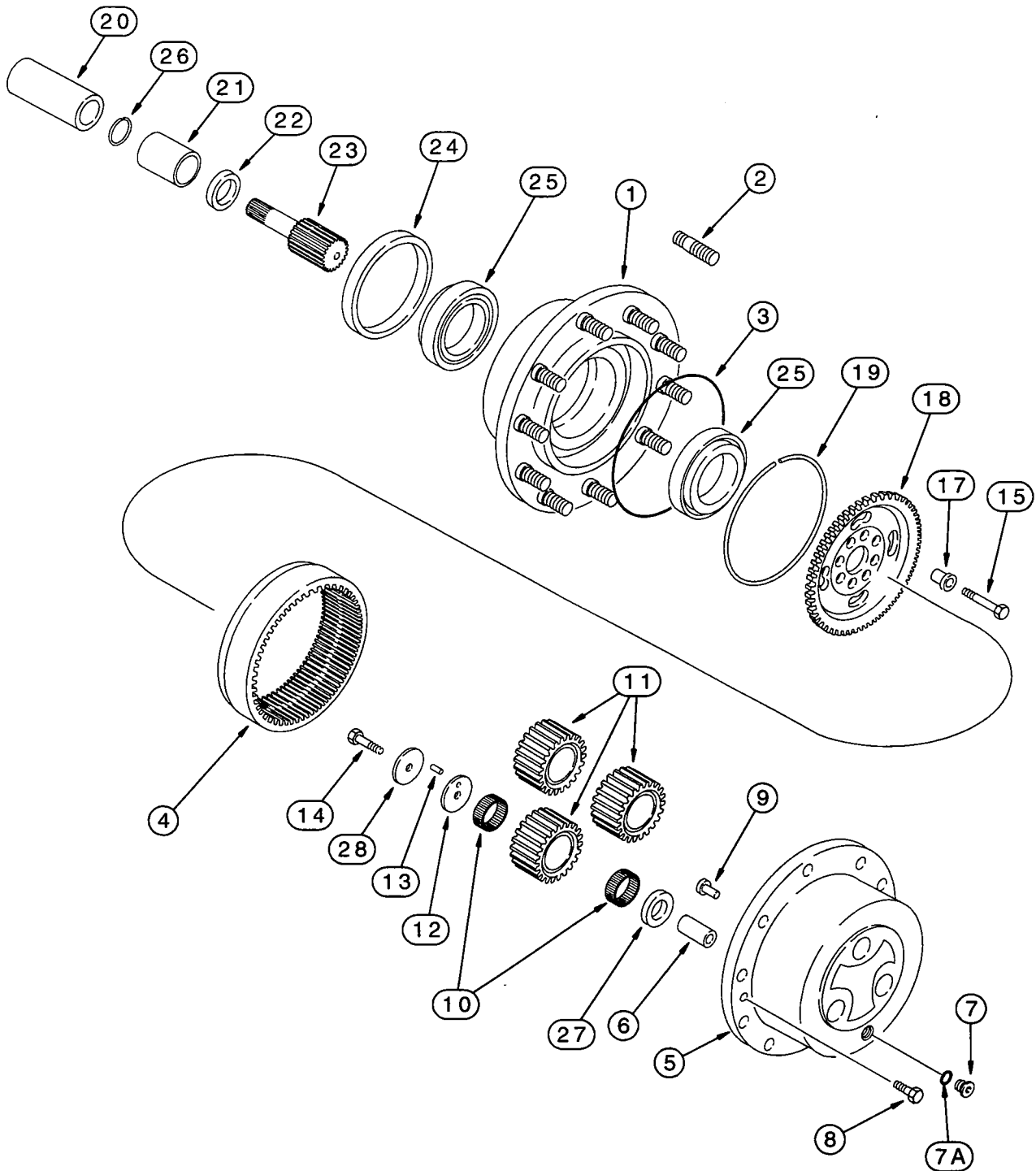
570LXT and 580L Series 2

6-69

**REAR DRIVE AXLE
DIFFERENTIAL LOCK**

REF.	PART NO.	DESCRIPTION	REQ'D.
	279172A1	AXLE ASSEMBLY - rear drive, parts list pages 6-63 - 6-71, 7-3 and 7-5	1
1	292213A1	CYLINDER - differential lock	1
2	305152A1	O-RING - cylinder	1
3	292210A1	O-RING - seal, external, piston	2
4	292212A1	PISTON - differential lock	1
5	800-5120	RING - external heavy retaining, No. 20	2
6	292214A1	SHAFT - rail, shifter fork	1
7	292902A1	BUSHING - shaft	1
8	175966A1	SPRING - shaft	2
9	175964A2	FORK - shift	1
10	175965A1	BUSHING - rail	1
11	128376A1	O-RING - cover	1
12	175968A1	COVER - housing	1
13	614-8030	BOLT - hex, full threads, 8 - 1.25 x 30 mm	2
14	814-8080	BOLT - hex, 8 - 1.25 x 80 mm	2

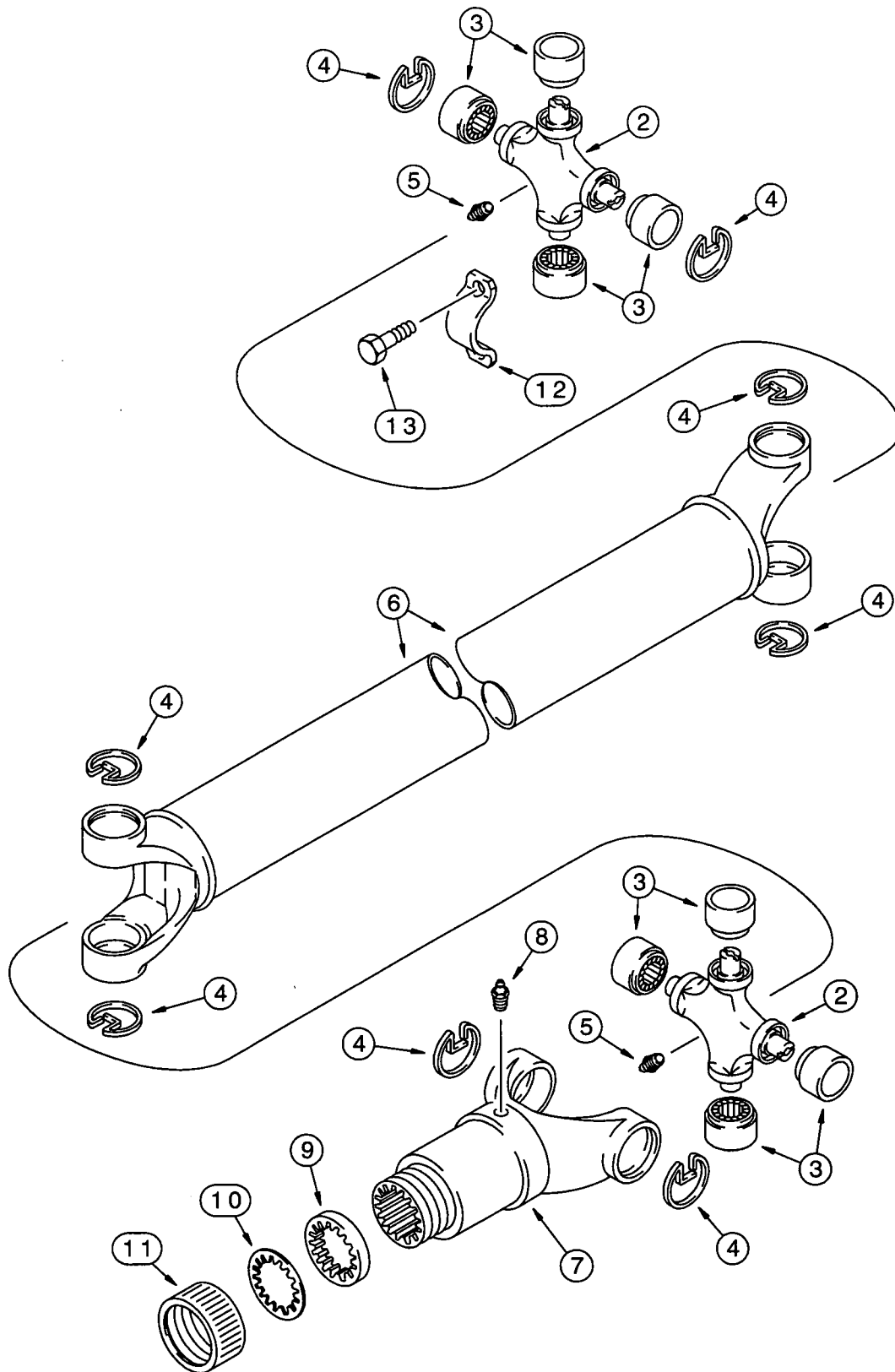
6-70



570LXT and 580L Series 2**6-71****REAR DRIVE AXLE****PLANETARY**

REF.	PART NO.	DESCRIPTION	REQ'D.
	279172A1	AXLE ASSEMBLY - rear drive, parts list pages 6-63 - 6-71, 7-3 and 7-5	1
1	175974A1	HUB ASSEMBLY - wheel attaching	2
2	D142986	STUD - special, without flanged collar	20
2	196090A1	STUD - special, with collar, for recessed bolt holes, if used	20
3	P2930467	O-RING - sealing	2
4	175976A1	GEAR - ring, planetary	2
5	175977A1	CARRIER ASSEMBLY - planetary	2
6	NSS	SHAFT - pinion gear	6
7	100557A1	PLUG - drain	2
7A	238-6121	O-RING - 1-1/16 ID x 3/32 inch wide	1
8	K395082	SCREW - special, planetary cover plate	4
9	K395093	PIN - locking, planetary carrier	2
10	175978A1	BEARING - needle (package of 10 needles) (168 needles required) planetary gear	17
11	175979A1	GEAR - pinion, planetary	6
12	175980A1	WASHER - thrust, pinion gear	6
13	247550A1	BEARING - needle (package of 10 used as pins)(6 required)	1
14	175982A1	BOLT - hex, self-locking, special, 10 - 1.25 x 50 mm, class 10.9	6
15	K395131	BOLT - hex head, special, 14 - 1.50 x 65 mm, self-locking	16
17	107071A1	BUSHING - centering, 20 mm OD	16
18	295580A1	HUB - ring gear, with four extraction holes	2
19	175984A1	RING - lock	2
20	175985A1	COUPLING - drive	2
21	196065A1	BUSHING - axle housing, drive	2
22	196066A1	SEAL - oil, axle housing	2
23	175986A1	SHAFT - drive	2
24	247877A1	SEAL - oil, cassette	2
25	K395101	BEARING - ball, hub	4
26	175988A1	RING - lock	2
27	175989A1	WASHER - thrust, pinion gear, outer	6
28	175990A1	WASHER - thrust, pinion gear, inner	6

6-72



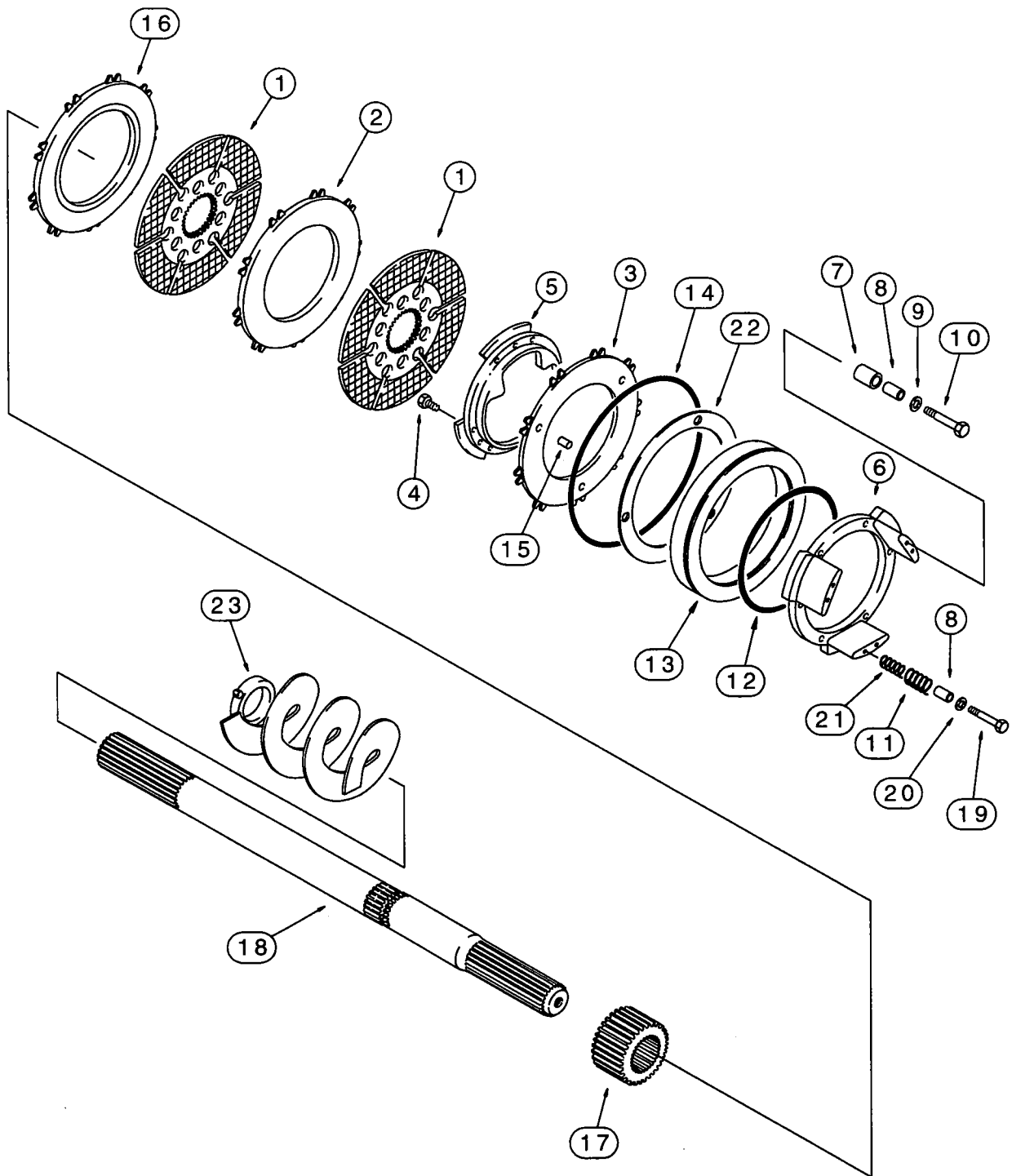
570LXT and 580L Series 2**6-73****DRIVE SHAFT FOR REAR DRIVE AXLE
REAR DRIVE AXLE TO TRANSMISSION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	284712A1	SHAFT ASSEMBLY - drive	1
	144278A1	KIT - universal joint.	2
2	NSS	JOINT - universal, drive shaft	1
3	NSS	BEARING - universal joint.	4
4	NSS	RING - retaining	4
5	219-10	FITTING - grease, straight, 1/4-28 taper x 11/16 inch	2
6	NSS	SHAFT - drive, transmission to rear axle	1
7	144279A1	YOKE - tube, splined, to rear axle	1
8	219-10	FITTING - grease, straight, 1/4-28 taper x 11/16 inch	1
	D149860	KIT - dust cap.	1
9	NSS	WASHER - cork	1
10	NSS	WASHER - steel	1
11	NSS	CAP - dust seal retaining	1
12	90-6682T1	RETAINER - drive shaft, strap, not included in drive shaft assembly, purchase separately	2
13	D137627	BOLT - special.	4

ALPHABETICAL INDEX BRAKES

DESCRIPTION	PAGE
Differential Brake - Rear Axle	7-3
Hydraulic Circuit	7-9
Master Cylinder	7-11
Master Cylinder Mounting.....	7-7
Parking Brake - Rear Axle	7-5
Parking Brake Lever and Linkage	7-13
Pedals.....	7-7

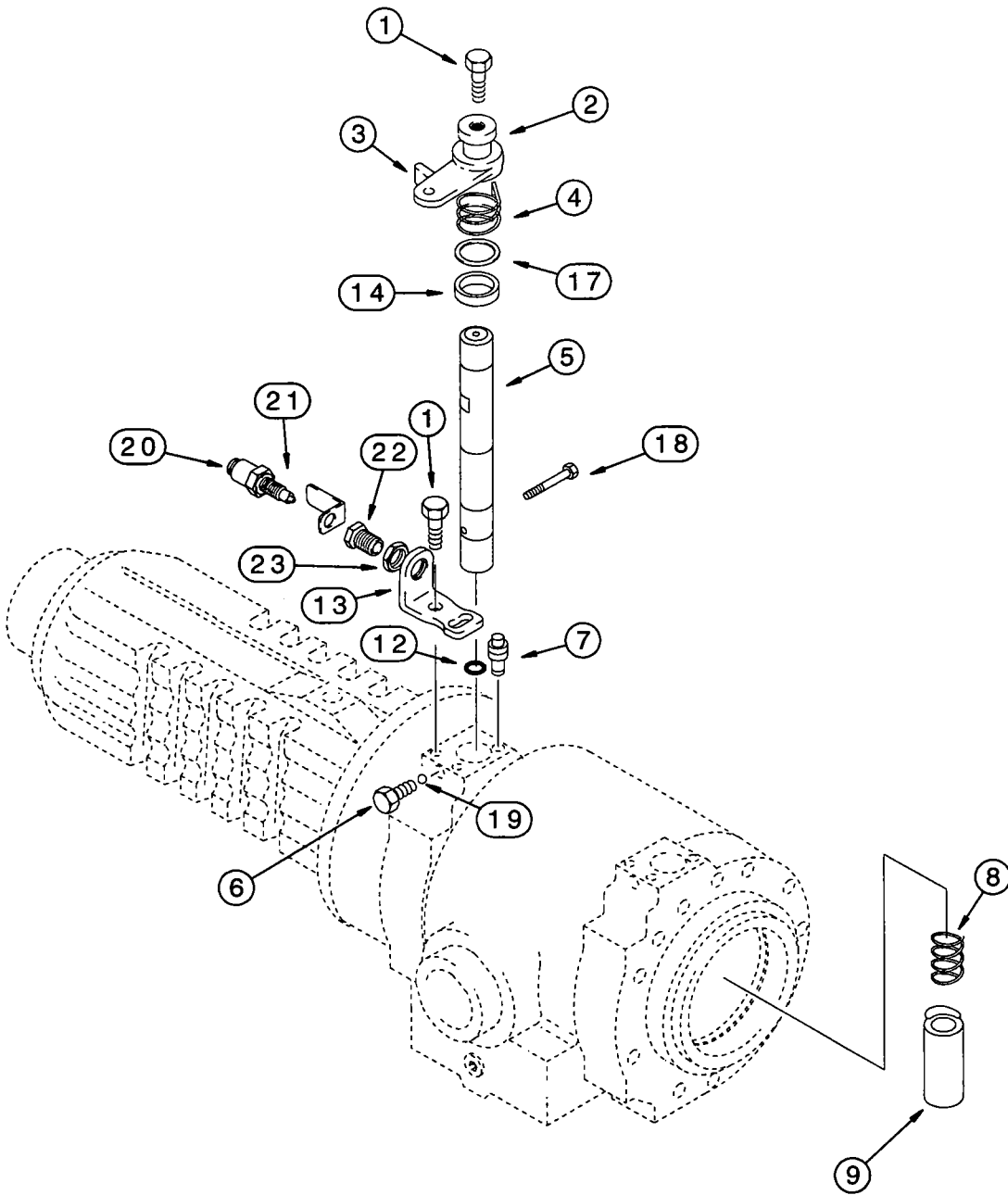
7-2



570LXT and 580L Series 2
7-3
**REAR DRIVE AXLE
DIFFERENTIAL BRAKE**

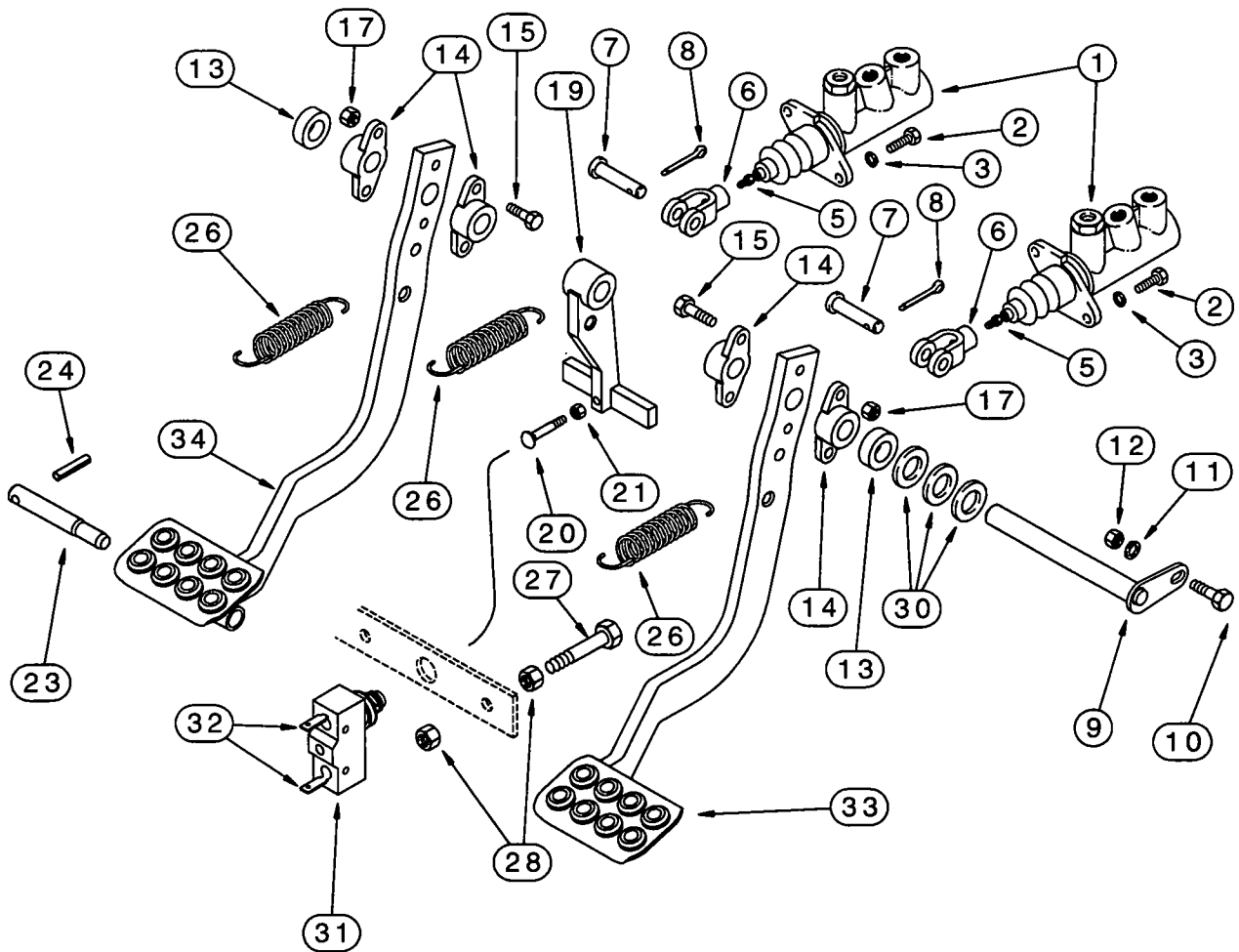
REF.	PART NO.	DESCRIPTION	REQ'D.
	279172A1	AXLE ASSEMBLY - rear drive, parts list pages 6-63 - 6-71, 7-3 and 7-5	1
1	*237021A1	DISC - brake.	4
2	*237022A1	PLATE - friction, inner	2
3	*237023A1	PLATE - piston	2
4	864-8016	BOLT - hex socket, 8 - 1.25 x 16 mm.	18
5	190461A1	FLANGE - inner	2
6	190460A1	FLANGE - outer	2
7	+190449A1	SPACER - split, 18 x 20 mm, no longer sold separately, order 248071A1 kit below	6
8	+295032A1	BUSHING - spacer, no longer sold separately, order 248071A1 kit below	12
9	190450A1	WASHER - flat, special	6
10	814-6035	BOLT - hex, 6 - 1.0 x 35 mm	6
11	*237026A1	SPRING - outer	6
12	190492A1	O-RING - small.	2
13	190502A1	PISTON - brake	2
14	190493A1	O-RING - large.	2
15	190447A1	PIN - split, 6 x 14 mm.	6
16	*237024A1	PLATE - friction, outer	2
17	190453A1	SLEEVE - splined.	2
18	295111A1	SHAFT - splined.	2
19	864-6035	BOLT - hex socket, 6 - 1.0 x 35 mm.	6
20	190500A1	COVER - spring	6
21	*237025A1	SPRING - inner	6
22	190504A1	GASKET - piston	2
23	295112A1	AUGER - oil, right-hand, includes weld-on clamp and bolt	1
24	295113A1	AUGER - oil, left-hand, includes weld-on clamp and bolt, not shown	1
25	863-6020	BOLT - hex socket, 6 - 1.0 x 20 mm, class 12.9, not shown, right-hand or left-hand auger	2
	+248071A1	KIT - brake self adjuster, includes spacer and bushing, plus an instruction sheet.	1
	243893A1	KIT - brake disc and plates, service replacement, includes above items marked with an asterisk ()	1

7-4



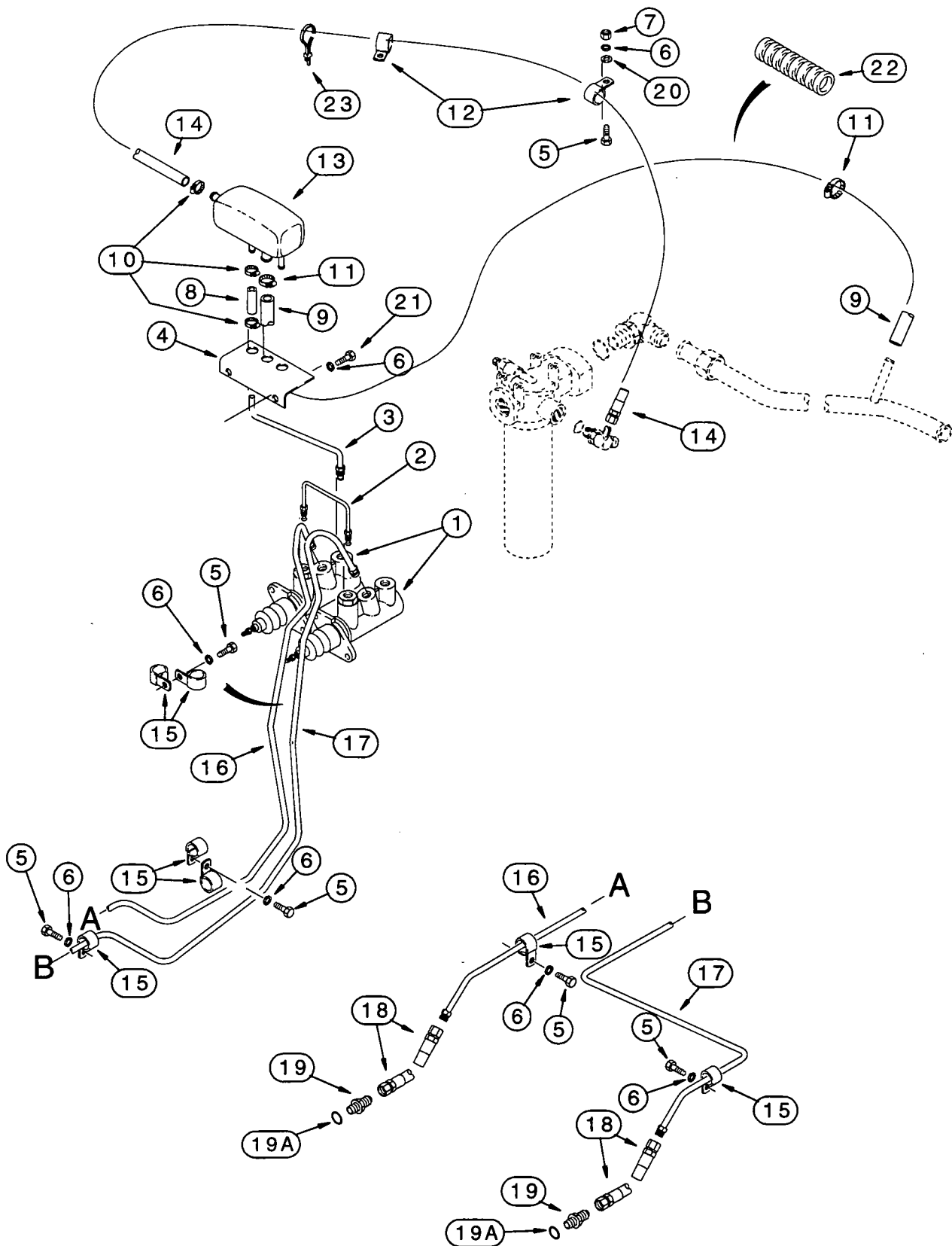
570LXT and 580L Series 2**7-5****REAR DRIVE AXLE****PARKING BRAKE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	279172A1	AXLE ASSEMBLY - rear drive, parts list pages 6-63 - 6-71, 7-3 and 7-5	1
1	190451A1	BOLT - special, 8 x 20 mm.	6
2	190463A1	WASHER - flat	2
3	280436A1	LEVER - brake, 100 mm	2
4	190476A2	SPRING - left-hand, shown	1
4	190477A2	SPRING - right-hand, not shown	1
5	256483A1	SHAFT - brake control	2
6	283462A1	BOLT - special, 8 - 1.0 x 23.5 mm	2
7	E135810	PLUG - brake bleeder, brake housing	2
8	190473A1	SPRING - cam	2
9	190456A1	CAM - brake	2
12	190448A1	O-RING - special	2
13	256478A1	BRACKET - stop	2
14	256481A1	BUSHING - shaft	2
17	256482A1	SHIM - shaft	2
18	256485A1	BOLT - special, 6 x 16 mm.	2
19	283466A1	BALL - 6.5 mm	2
	281952A1	KIT - switch, park brake	2
20	280450A1	SWITCH - brake	1
21	280452A1	BRACKET - switch guard, lever	1
22	280457A1	SLEEVE - switch.	1
23	281960A1	NUT - special, 16 mm - 1.5.	1



570LXT and 580L Series 2**7-7****BRAKE PEDALS AND BRAKE MASTER CYLINDER MOUNTING**

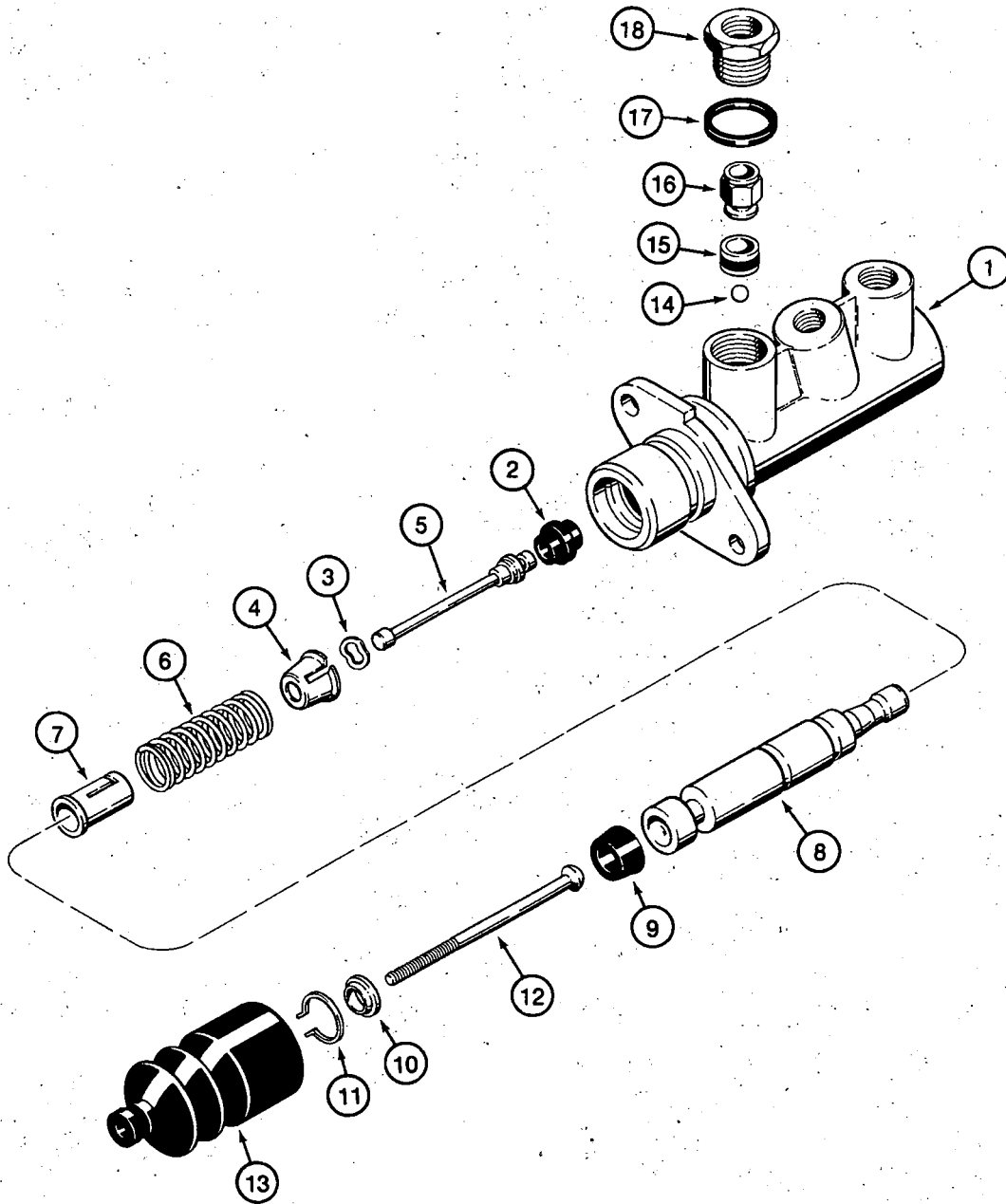
REF.	PART NO.	DESCRIPTION	REQ'D.
1	182445A1	CYLINDER ASSEMBLY - brake master, parts list page 7-11	2
2	614-8030	BOLT - hex, full threads, 8 - 1.25 x 30 mm	4
3	892-11008	WASHER - lock, 8 mm	4
5	425-156	NUT - hex, jam, 3/8 inch NF	2
6	D137077	CLEVIS - female, master cylinder	2
7	L26209	PIN - clevis, 3/8 inch	2
8	432-612	PIN - cotter, 3/32 x 3/4 inch	2
9	D140035	SHAFT - brake pedal	1
10	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
11	892-11010	WASHER - lock, 10 mm	1
12	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
13	D124529	SPACER - brake shaft, pedal	2
14	A77310	BEARING - pivot, foot pedal	4
15	814-8040	BOLT - hex, 8 - 1.25 x 40 mm	4
17	832-10408	NUT - hex, self-locking, 8 mm - 1.25	4
19	D124528	LEVER - brake lamp	1
20	121-145	BOLT - flat countersunk head, 5/16 NC x 2-1/2 inch, special, brake switch actuator.	1
21	425-105	NUT - hex, 5/16 inch NC	1
23	D124530	PIN - pedal lock	1
24	438-12040	PIN - roll, 5/16 x 2-1/2 inch	1
26	230973A1	SPRING - pedal and lever return, attaches to brake pedal spring rod in firewall frame	3
27	614-8045	BOLT - hex, full threads, 8 - 1.25 x 45 mm, attaches to brake pedal stop bar in firewall frame	2
28	829-1408	NUT - hex, 8 mm - 1.25, class 10	4
30	495-81261	WASHER - flat, 13/16 x 1-1/2 x 1/16 inch, use as a shim	UAR
31	D148108	SWITCH - rocker, brake lamp, attaches to front console wiring harness, mounts in brake pedal stop bar in firewall frame	1
32	A187990	TERMINAL - male	2
33	234623A1	PEDAL - brake, right-hand	1
34	234622A1	PEDAL - brake, left-hand	1



570LXT and 580L Series 2
7-9
BRAKE MASTER CYLINDER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	182445A1	CYLINDER ASSEMBLY - brake master, parts list page 7-11	2
2	D136430	TUBE - crossover	1
3	142003A1	TUBE - reservoir to master cylinder	2
4	121730A2	BRACKET - brake reservoir support, attaches to firewall	1
5	614-8030	BOLT - hex, full threads, 8 - 1.25 x 30 mm	6
6	892-11008	WASHER - lock, 8 mm	8
7	829-1408	NUT - hex, 8 mm - 1.25, class 10	1
8	121729A1	HOSE - 50 mm (2 inch) long, reservoir to master cylinder	2
9	296171A1	HOSE - 1225 mm (48-1/4 inch) long, reservoir outlet, attaches to return to tank tube, item 22 on page 8-9	1
10	214-1704	CLAMP - adj, 1/4 - 5/8 inch dia	5
11	214-1706	CLAMP - adj, 7/16 - 3/4 inch dia, worm screw, attaches to return to tank tube	2
12	515-22127	CLAMP - P-type, 1/2 inch ID	2
13	1976943C1	RESERVOIR - brake master cylinder	1
14	131676A1	HOSE - 1590 mm (62-5/8 inch) long, reservoir inlet, attaches to tee at hydraulic oil filter, item 9 on page 8-9	1
15	515-23127	CLAMP - P-type, 1/2 inch ID	7
16	276743A1	TUBE - brake, left-hand	1
17	276746A1	TUBE - brake, right-hand	1
18	142007A1	HOSE - 625 mm (24-5/8 inch) long, brake tube to adapter on rear axle	2
18	247570A1	HOSE - 430 mm (16-15/16 inch) long, brake tube to adapter on rear axle, used in production, for service order 142007A1 hose	2
19	218-5053	ADAPTER - straight, 7/16-20 flare x O-ring boss	2
19A	237-6004	O-RING - 23/64 ID x 5/64 inch wide	1
20	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	1
21	614-8016	BOLT - hex, full threads, 8 - 1.25 x 16 mm	2
22	D132982	SLEEVE - hose guard	1
23	L18337	STRAP - tie, 15 inch, if used	1

7-10

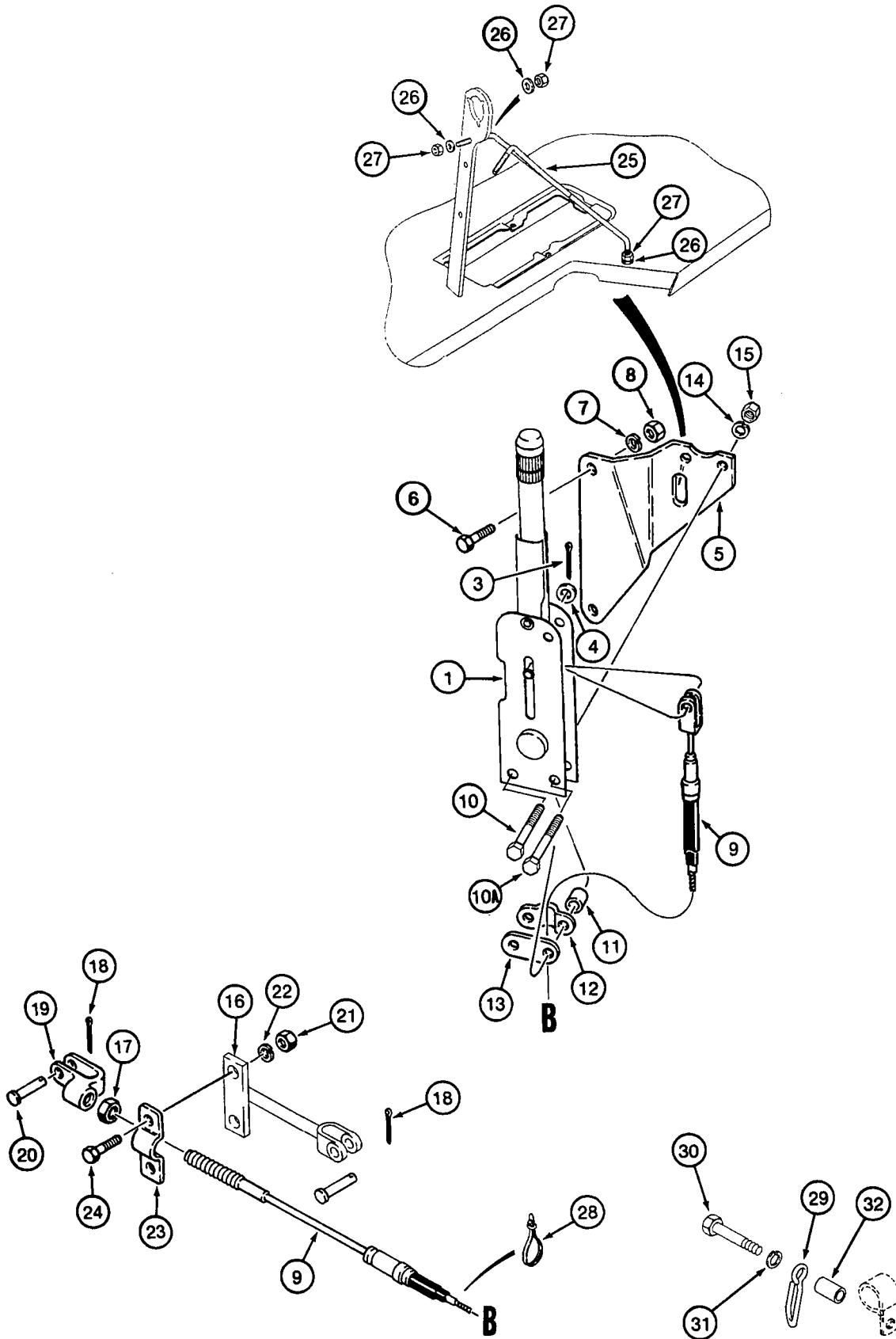


570LXT and 580L Series 2
BRAKE MASTER CYLINDER

7-11

REF.	PART NO.	DESCRIPTION	REQ'D.
	182445A1	CYLINDER ASSEMBLY - brake master	2
1	NSS	BODY - master cylinder	1
2	*NSS	SEAL - plunger	1
3	*NSS	WASHER - special	1
4	NSS	SEAT - spring, short	1
5	NSS	PLUNGER - piston	1
6	NSS	SPRING - return	1
7	NSS	SEAT - spring, long	1
8	NSS	PISTON - master cylinder	1
9	*NSS	SEAL - piston	1
10	NSS	WASHER - seal, special.	1
11	*NSS	RING - retaining, washer	1
12	NSS	ROD - push	1
13	*NSS	BOOT - push rod	1
14	*NSS	BALL - flow valve	1
15	*NSS	SEAL - flow valve	1
16	NSS	VALVE - flow	1
17	*NSS	GASKET - flow valve	1
18	NSS	ADAPTER - flow valve	1
	*N14784	KIT - seal, cylinder, service, includes all items marked with an asterisk	1

7-12

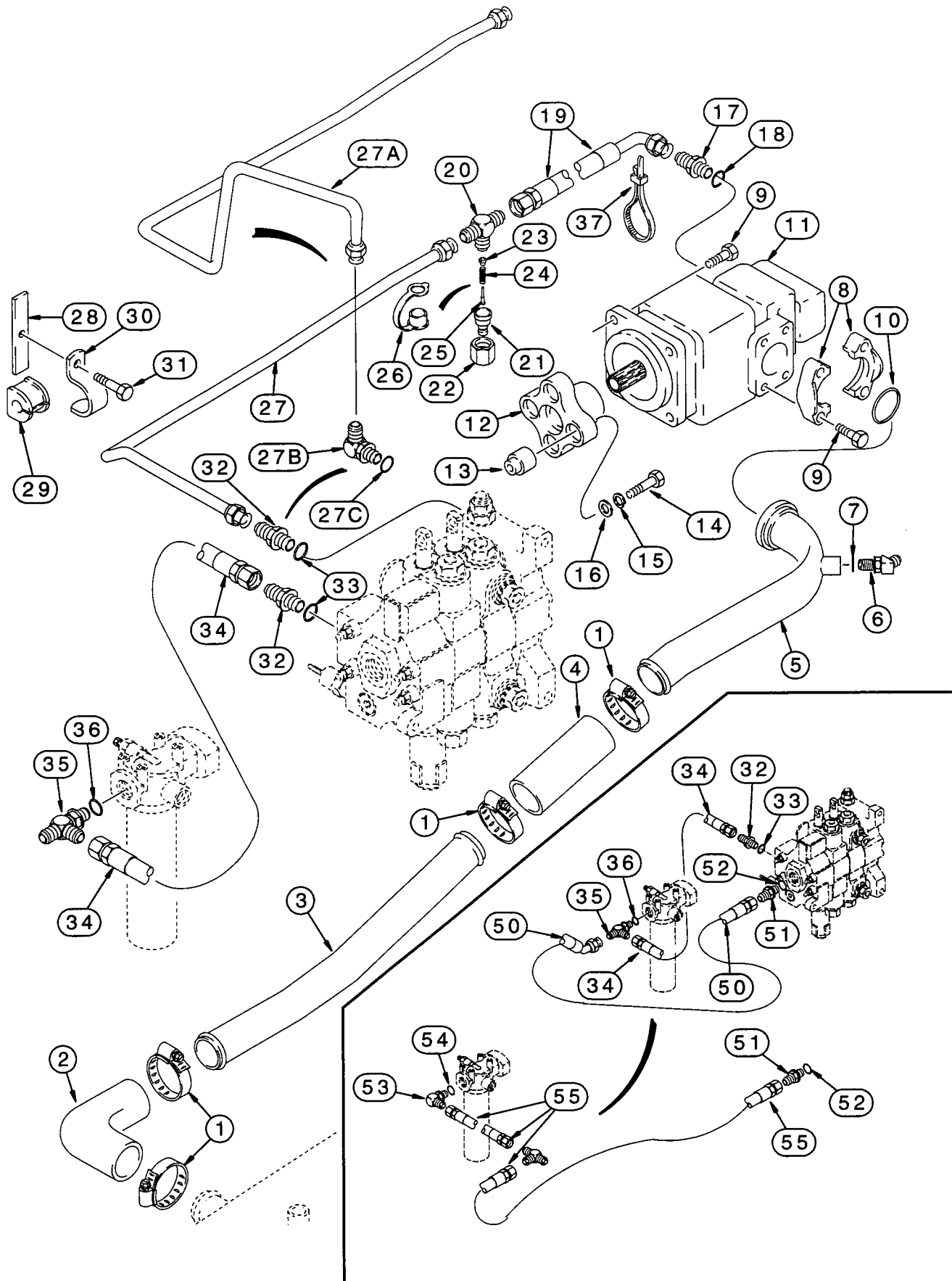


570LXT and 580L Series 2
7-13
PARKING BRAKE LEVER AND LINKAGE

REF.	PART NO.	DESCRIPTION	REQ'D.
	279261A2	LEVER ASSEMBLY - parking brake, with bossed hole for brake switch, 18-5/8 (474 mm) long, replaces 279261A1 lever.	1
1	NSS	LEVER - 279261A1 parking brake	1
2	NSS	PIN - clevis, lever to brake cable	1
3	432-612	PIN - cotter, 3/32 x 3/4 inch	1
4	495-21038	WASHER - flat, 3/8 x 7/8 x 3/32 inch	1
5	124646A1	BRACKET - mounting, parking brake lever	1
6	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	2
7	892-11010	WASHER - lock, 10 mm	2
8	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	2
9	280681A1	CABLE - parking brake, 1325 mm (52-3/16 inch) long	1
10	827-8050	BOLT - hex, 8 - 1.25 x 50 mm, class 10.9	1
10A	827-8060	BOLT - hex, 8 - 1.25 x 60 mm, class 10.9	1
11	D150633	SPACER - split, clamp	2
12	D121608	CLAMP - cable	1
13	D129747	PLATE - oval spacer, plated	1
14	892-11008	WASHER - lock, 8 mm	2
15	829-1408	NUT - hex, 8 mm - 1.25, class 10	2
16	280886A1	YOKE - cable, 110 mm (4-3/8 inch) long	1
17	425-156	NUT - hex, jam, 3/8 inch NF	1
18	432-612	PIN - cotter, 3/32 x 3/4 inch	2
19	L11182	CLEVIS - offset, 3/8 inch	1
20	D149288	PIN - clevis	2
21	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	2
22	892-11010	WASHER - lock, 10 mm	2
23	A188028	CLAMP - cable	1
24	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	2
25	180801A1	BRACE - loader control bracket	1
26	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	6
27	425-106	NUT - hex, 3/8 inch NC	6
28	L18337	STRAP - tie, 15 inch, if used	1
29	223722A1	BRACKET - combination, yield support, brake cable, mounts with P-clamp (Ref 26, page 4-11) to chassis frame	1
30	814-10060	BOLT - hex, 10 - 1.5 x 60 mm	1
31	895-11010	WASHER - flat, 11 x 20 x 2 mm	1
32	130245A1	SPACER - bracket	1

**ALPHABETICAL INDEX
HYDRAULICS**

DESCRIPTION	PAGE
Accumulator Assembly - Ride Control	8-135
Cylinders	
Boom - Backhoe	8-149
Bucket - Backhoe	8-153
Bucket - Loader	8-141
Clam - Loader	8-143
Dipper - Backhoe	8-151
Dipper Extension - Backhoe	8-155
Lift - Loader	8-139
Lift - Three-Point Hitch	8-157
Pitch - Three-Point Hitch	8-161
Stabilizer - Backhoe	8-145
Swing - Backhoe	8-147
Tilt - Three-Point Hitch	8-159
Equipment Hydraulic System	
Equipment Pump and Loader Valve to Backhoe Valve	8-7
Oil Cooler Lines, Return Lines, and Filter	8-9
Reservoir to Loader Valve and Loader Valve to Filter	8-3,8-5
Filter - Hydraulic Oil	8-137
Hydraulic Circuits	
Auxiliary	
Backhoe	8-47 - 8-51
Hand Held	8-37- 8-45
Boom Cylinder - Backhoe	8-25
Boom Lock	8-53,8-55
Bucket Cylinder - Backhoe, With Extendable Dipper	8-31
Bucket Cylinder - Backhoe, Without Extendable Dipper	8-29
Bucket Cylinder - Loader	8-13,8-15
Clam Cylinder - Loader	8-17,8-19
Dipper Cylinder - Backhoe	8-27
Extendable Dipper - Backhoe	8-33
Hitch - Three Point	8-67
Hitch - Three Point, Lock Valve	8-67B
Lift Cylinder - Loader	8-11
Loader Valve to Backhoe Valve - Without Auxiliary	
Hydraulics and With Standard or Extendable Dipper	8-35
Quick Coupler - Loader Hydraulic Tool	8-61 - 8-65
Ride Control	8-57,8-59
Stabilizer Cylinder - Backhoe	8-21
Swing Cylinder - Backhoe	8-23
Pump - Equipment	8-69
Valves	
Auxiliary	8-115,8-117
Backhoe Control	8-87 - 8-113
Boom Lock Solenoid	8-119
Hitch - Three Point	8-121 - 8-133
Loader Control	8-71 - 8-85

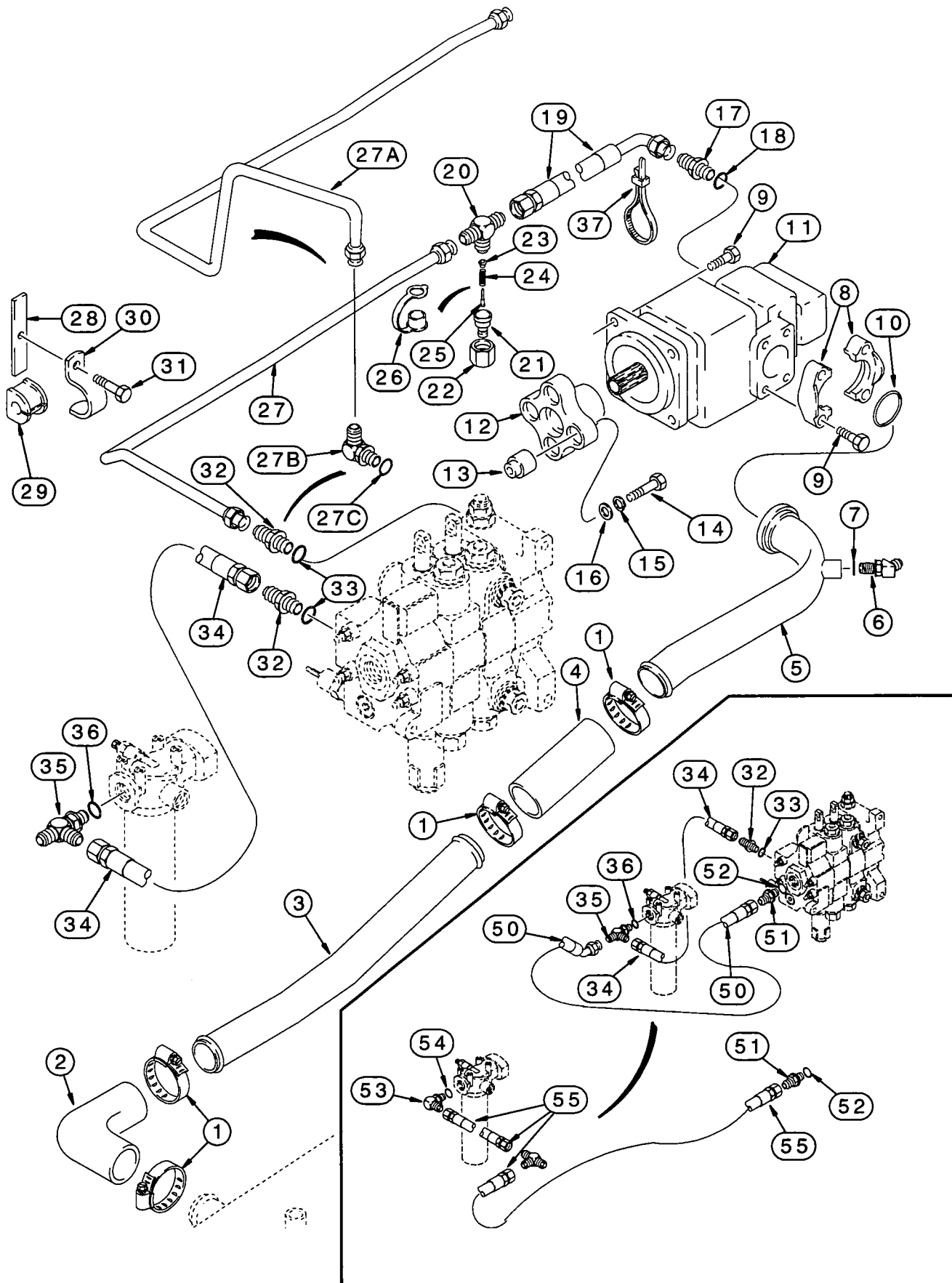


570LXT and 580L Series 2**8-3**

**EQUIPMENT HYDRAULIC SYSTEM
RESERVOIR TO LOADER CONTROL VALVE AND
LOADER VALVE TO FILTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	259044A1	CLAMP - tube	4
2	282497A1	HOSE - suction, at hydraulic tank	1
3	131586A1	TUBE - suction.	1
4	282496A1	HOSE - coupler	1
5	121817A1	TUBE - suction, at hydraulic equipment pump	1
6	218-5137	ELBOW - 45 degree, 7/8-14 inch flare x adj O-ring boss, to cooler return hose	1
7	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
8	A14141	FLANGE - split, 2 inch	2
9	614-12035	BOLT - hex, full threads, 12 - 1.75 x 35 mm	8
10	238-5228	O-RING - 2-1/4 ID x 1/8 inch wide	1
11	257953A1	PUMP ASSEMBLY - hydraulic equipment, with 17 teeth shaft gear set, parts list page 8-69	1
	257948A1	COUPLING - flex, 17 teeth, with steel plug	1
12	NSS	COUPLING - pump	1
13	N14330	BUSHING - coupling	4
14	413-728	BOLT - hex, 7/16 NC x 1-3/4 inch	4
15	492-11044	WASHER - lock, 7/16 inch.	4
16	A30013	WASHER - special, hardened	4
17	218-5077	ADAPTER - straight, 1-1/16-12 flare x 1-5/16-12 inch O-ring boss.	1
18	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
19	144215A1	HOSE - 576 mm (22-11/16 inch) long, large pump section port	1
20	218-587	TEE - 1-1/16-12 flare branch x 1-5/16-12 inch flare x flare, pump outlet hose to loader valve inlet tube	1
	D137625	COUPLING - quick disconnect	1
21	NSS	BODY - coupling.	1
22	425-1120	NUT - hex, 1-1/4 inch NF	1
23	NSS	SEAT - spring.	1
24	NSS	SPRING - coupling	1
25	NSS	POPPET - coupling	1
26	H434163	CAP - dust, coupler	1
27	122125A1	TUBE - tee to loader control valve inlet, see page 8-13, items 19-23 for tube clamps near loader valve, used with Ref 32 adapter, used on 580L models without hydraulic tool quick coupler	1
27A	229341A1	TUBE - tee to loader control valve inlet, see page 8-13 items 19-23 or items 48-54 on page 8-15 for tube clamps near loader valve, used with Ref 27B elbow on 570LXT models without hydraulic tool quick coupler, see page 8-61 for tube used with hydraulic tool quick coupler	1
27B	218-5110	ELBOW - 90 degree, 1-5/16-12 inch flare x adj O-ring boss, if used, see page 8-61 for hydraulic tool quick coupler.	1
27C	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
28	115507A1	PLATE - mounting	1
29	D67297	INSULATOR - rubber, tube	1

Continued on next page



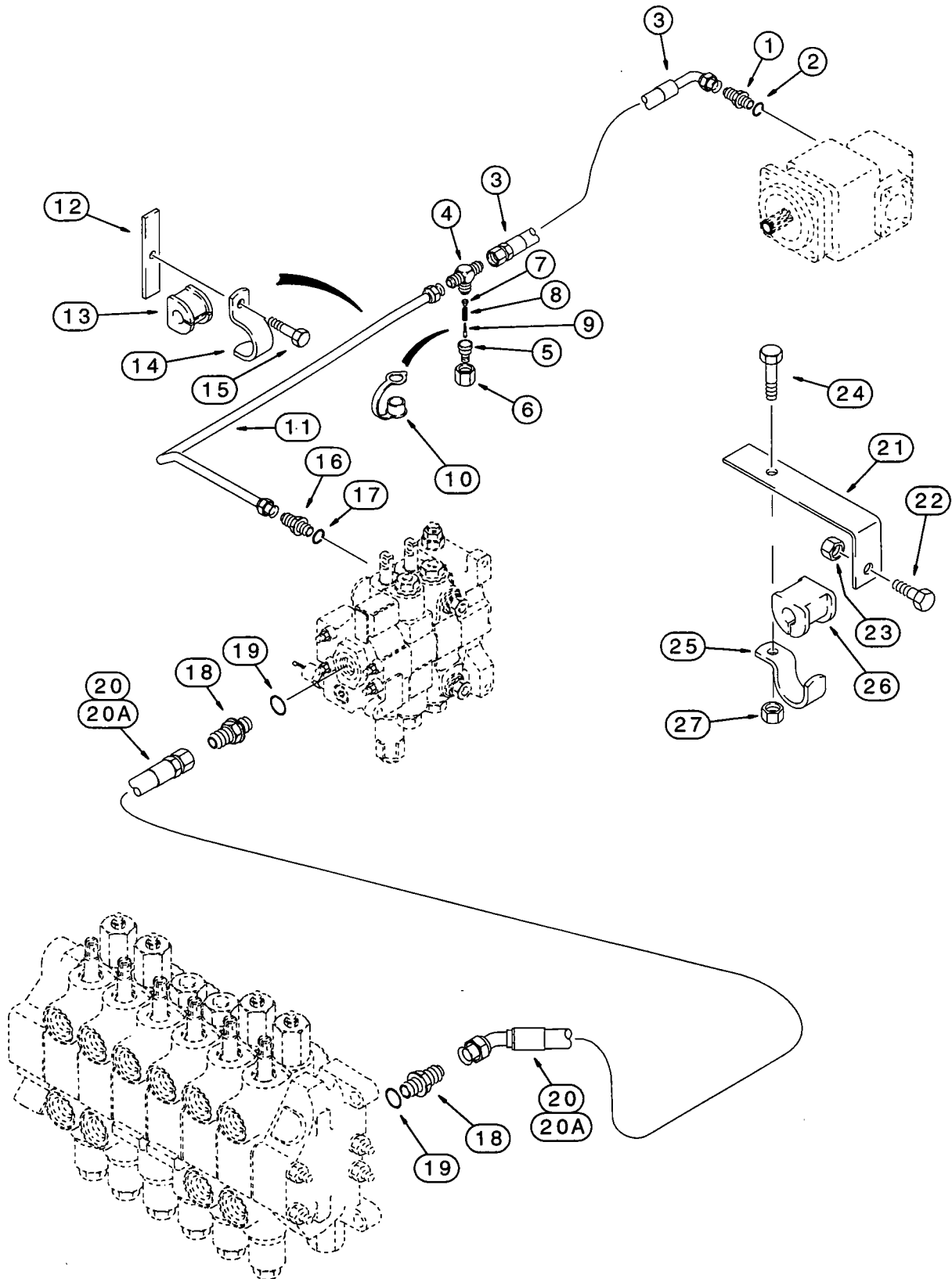
570LXT and 580L Series 2
8-5

**EQUIPMENT HYDRAULIC SYSTEM
RESERVOIR TO LOADER CONTROL VALVE AND
LOADER VALVE TO FILTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
30	D143410	CLAMP - tube	1
31	814-10050	BOLT - hex, 10 - 1.5 x 50 mm	1
32	218-5069	ADAPTER - straight, 1-5/16-12 inch flare x O-ring boss, at loader valve inlet and outlet ports, adapter at upper port is replaced by a tee on models with loader hydraulic tool quick coupler, see page 8-61, Ref 10	1-2
33	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
34	144227A1	HOSE - 520 mm (20-15/32 inch) long, loader valve to filter, models without ride control, see page 8-57 for parts used on models with ride control and page 8-67 for models with three-point hitch	1
35	218-5245	TEE - 1-5/16-12 inch flare branch x flare x adj O-ring boss, loader valve to filter and filter to backhoe control valve	1
36	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
37	L18337	STRAP - tie, 15 inch, if used	1

PARTS USED ON LOADER ONLY MODELS

50	144241A1	HOSE - 977 mm (38-15/32 inch) long, filter to loader valve power beyond port, if used	1
51	218-5069	ADAPTER - straight, 1-5/16-12 inch flare x O-ring boss, loader valve power beyond port	1
52	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
53	218-5110	ELBOW - 90 degree, 1-5/16-12 inch flare x adj O-ring boss, at filter to loader valve power beyond port, if used	1
54	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
55	236116A1	HOSE - 430 mm (16-15/16 inch) long, loader valve to filter, if used	2

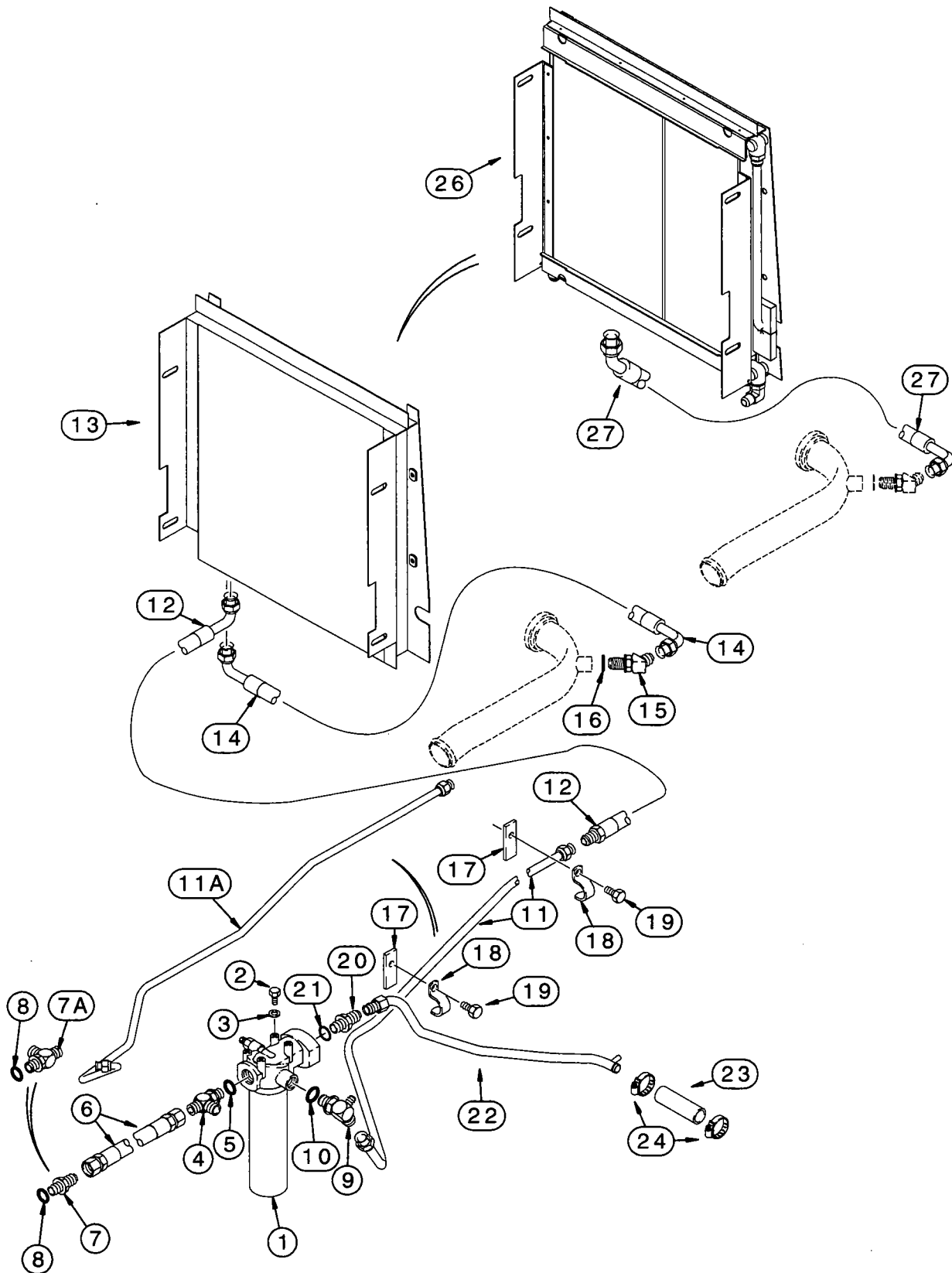


570LXT and 580L Series 2
8-7

**EQUIPMENT HYDRAULIC SYSTEM
EQUIPMENT PUMP AND LOADER CONTROL VALVE
TO BACKHOE CONTROL VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	218-5077	ADAPTER - straight, 1-1/16-12 flare x 1-5/16-12 inch O-ring boss	1
2	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
3	144215A1	HOSE - 576 mm (22-11/16 inch) long, large pump section port	1
4	218-587	TEE - 1-1/16-12 flare branch x 1-5/16-12 inch flare x flare	1
	D137625	COUPLING - quick disconnect	1
5	NSS	BODY - coupling	1
6	425-1120	NUT - hex, 1-1/4 inch NF	1
7	NSS	SEAT - spring	1
8	NSS	SPRING - coupling	1
9	NSS	POPPET - coupling	1
10	H434163	CAP - dust, coupler	1
11	122125A1	TUBE - tee to loader control valve inlet	1
12	115507A1	PLATE - mounting	1
13	D67297	INSULATOR - rubber, tube	1
14	D143410	CLAMP - tube	1
15	814-10050	BOLT - hex, 10 - 1.5 x 50 mm	1
16	218-5069	ADAPTER - straight, 1-5/16-12 inch flare x O-ring boss	1
17	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
18	218-5069	ADAPTER - straight, 1-5/16-12 inch flare x O-ring boss	2
19	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
20	*144240A1	HOSE - 1028 mm (40-1/2 inch) long, loader valve power beyond port to backhoe control valve inlet, models with two spool loader control valve	1
20A	*144241A1	HOSE - 977 mm (38-15/32 inch) long, loader valve power beyond port to backhoe control valve inlet, models with three spool loader control valve	1
21	136008A1	BRACKET - mounting, hose	1
22	614-12035	BOLT - hex, full threads, 12 - 1.75 x 35 mm	1
23	829-1412	NUT - hex, 12 mm - 1.75, class 10	1
24	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
25	144479A1	CLAMP - isolation	1
26	144477A1	INSULATOR - rubber	1
27	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1

***NOTE:** See page 8-67 for hose used on models with three-point hitch.

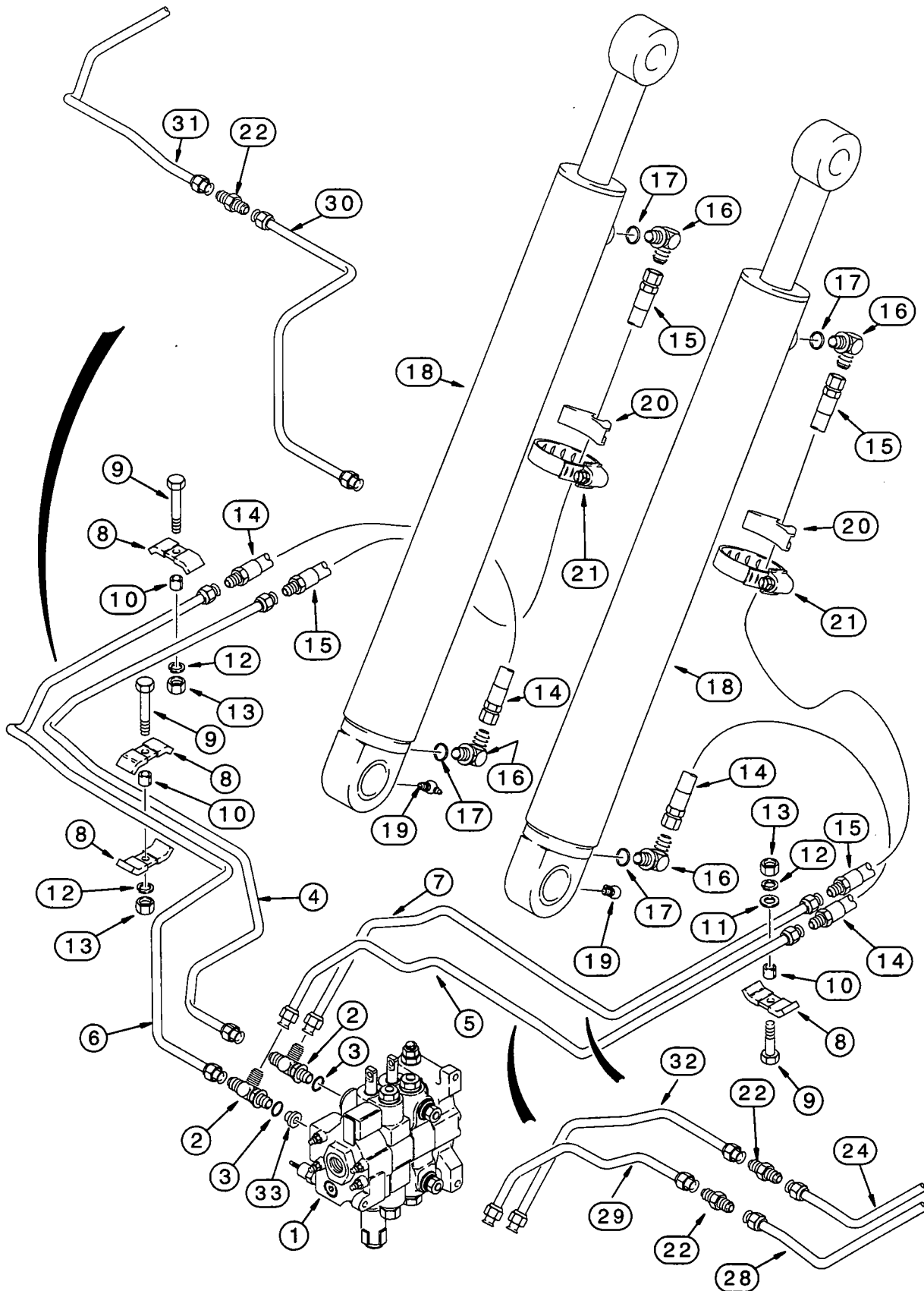


570LXT and 580L Series 2
8-9
**EQUIPMENT HYDRAULIC SYSTEM
OIL COOLER LINES, RETURN LINES, AND FILTER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	122536A1	FILTER ASSEMBLY - hydraulic oil, parts list page 8-137	1
2	614-10020	BOLT - hex, full threads, 10 - 1.5 x 20 mm	4
3	895-11010	WASHER - flat, 11 x 20 x 2 mm	4
4	218-5245	TEE - 1-5/16-12 inch flare branch x flare x adj O-ring boss, loader valve to filter and filter to backhoe control valve, see page 8-67 for relocation of tee on models with three-point hitch	1
5	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
6	*144233A1	HOSE - 890 mm (35 inch) long, return, backhoe control valve to filter	1
7	*218-5069	ADAPTER - straight, 1-5/16-12 inch flare x O-ring boss, backhoe control valve outlet port, models without extendable dipper	1
7A	*218-5245	TEE - 1-5/16-12 inch flare branch x flare x adj O-ring boss, backhoe control valve outlet port, models with extendable dipper, if used	1
8	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide, 218-5069 or 218-5245 fitting	1
9	228959A1	TEE - special	1
10	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
11	122176A1	TUBE - filter to cooler, 580L models, if used	1
11A	227286A2	TUBE - filter to cooler, 570LXT models, if used	1
12	144220A1	HOSE - 595 mm (23-7/16 inch) long, filter to cooler	1
13	233817A1	COOLER - hydraulic oil, see page 6-21 for cooler mounting hardware, models without air conditioning	1
14	144214A1	HOSE - 573 mm (22-9/16 inch) long, cooler return, used with 233817A1 cooler, models without air conditioning	1
15	218-5137	ELBOW - 45 degree, 7/8-14 inch flare x adj O-ring boss	1
16	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
17	115633A1	PLATE - mounting	2
18	D143430	CLAMP - tube	2
19	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	2
20	218-5086	ADAPTER - straight, 1-5/16-12 flare x 1-5/8 inch O-ring	1
21	237-6020	O-RING - 1-15/32 ID x 1/8 inch wide	1
22	295172A1	TUBE - return to tank	1
23	D38435	HOSE - 89 mm (3-1/2 inch) long, cut from S118383X bulk hose, return tube to tank, see page 7-9 for attaching brake line clamp	1
24	214-1420	CLAMP - adj, 13/16 - 1-3/4 inch dia.	2
26	291288A1	COOLER - hydraulic oil, heavy duty, see page 6-23 for cooler mounting hardware and component parts, models with air conditioning	1
27	236231A1	HOSE - 300 mm (11-13/16 inch) long, used with 291288A1 cooler, Ref 26 on models with air conditioning	1
	S118383X	HOSE - bulk, 25 (1) x 38 (1-1/2) x 4877 mm (192 inch) long	1

*** NOTE:** See page 8-67 for hose used on models with three-point hitch.

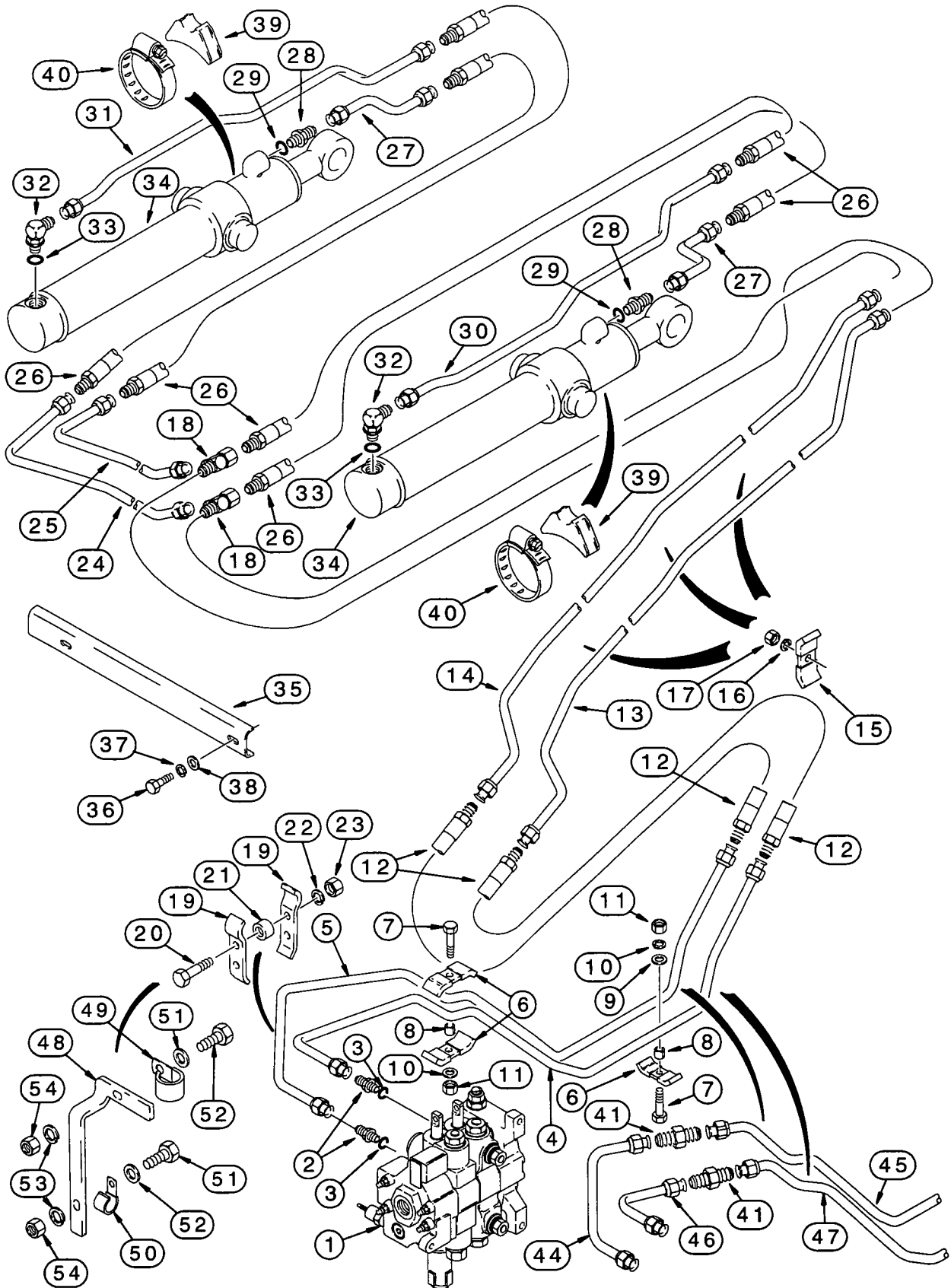
8-10



570LXT and 580L Series 2
8-11
LOADER LIFT CYLINDER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - loader control, for correct assembly and components, see page 8-71 or 8-73	1
2	218-5241	TEE - 7/8-14 inch flare branch x flare x adj O-ring boss	2
3	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
4	225330A1	TUBE - upper lift port to left-hand loader lift cylinder rod end, used in production (services itself, for service order 225330A1 tube, Ref 4); models without ride control, see page 8-57 for parts used on models with ride control	1
5	231984A1	TUBE - lower lift port to right-hand loader lift cylinder closed end, used in production (for service order 221158A1 and 232929A1 tubes and 218-435 connector, Ref 22, 28 and 29).	1
6	225332A1	TUBE - lower lift port to left-hand loader lift cylinder closed end, used in production (for service order 232939A1 and 232941A1 tubes and 218-435 connector, Ref 22, 30 and 31); models without ride control, see page 8-57 for parts used on models with ride control	1
7	231982A1	TUBE - upper lift port to right-hand loader lift cylinder rod end, used in production (for service order 221162A1 and 232931A1 tubes and 218-435 connector, Ref 22, 24 and 32).	1
8	D138055	CLAMP - tube	4
9	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	3
10	120303A1	SPACER - tube	3
11	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	1
12	892-11010	WASHER - lock, 10 mm	3
13	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	3
14	187535A1	HOSE - 720 mm (28-11/32 inch) long, lift cylinder closed end	2
15	187536A1	HOSE - 1090 mm (43 inch) long, upper port of control valve to lift cylinder rod end	2
16	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss	4
17	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
18	131417A1	CYLINDER ASSEMBLY - 76 (3) ID x 766 mm (30-5/32 inch) stroke, loader lift, parts list page 8-139	2
19	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch	2
20	D142787	INSULATOR - rubber.	2
21	214-1472	CLAMP - adj, 4-1/16 - 5 inch dia	2
22	218-435	CONNECTOR - straight, large hex, 7/8-14 inch flare	1-3
24	221162A1	TUBE - right-hand loader lift cylinder rod end	1
28	221158A1	TUBE - right-hand loader lift cylinder closed end	1
29	232929A1	TUBE - lower lift port to right-hand loader lift cylinder	1
30	232939A1	TUBE - lower lift port to left-hand loader lift cylinder, models without ride control, see page 8-57 for parts used on models with ride control	1
31	232941A1	TUBE - left-hand loader lift cylinder closed end, models without ride control, see page 8-57 for parts used on models with ride control	1
32	232931A1	TUBE - upper lift port to right-hand loader lift cylinder.	1
33	232556A1	RESTRICTOR - drop rate orifice	1

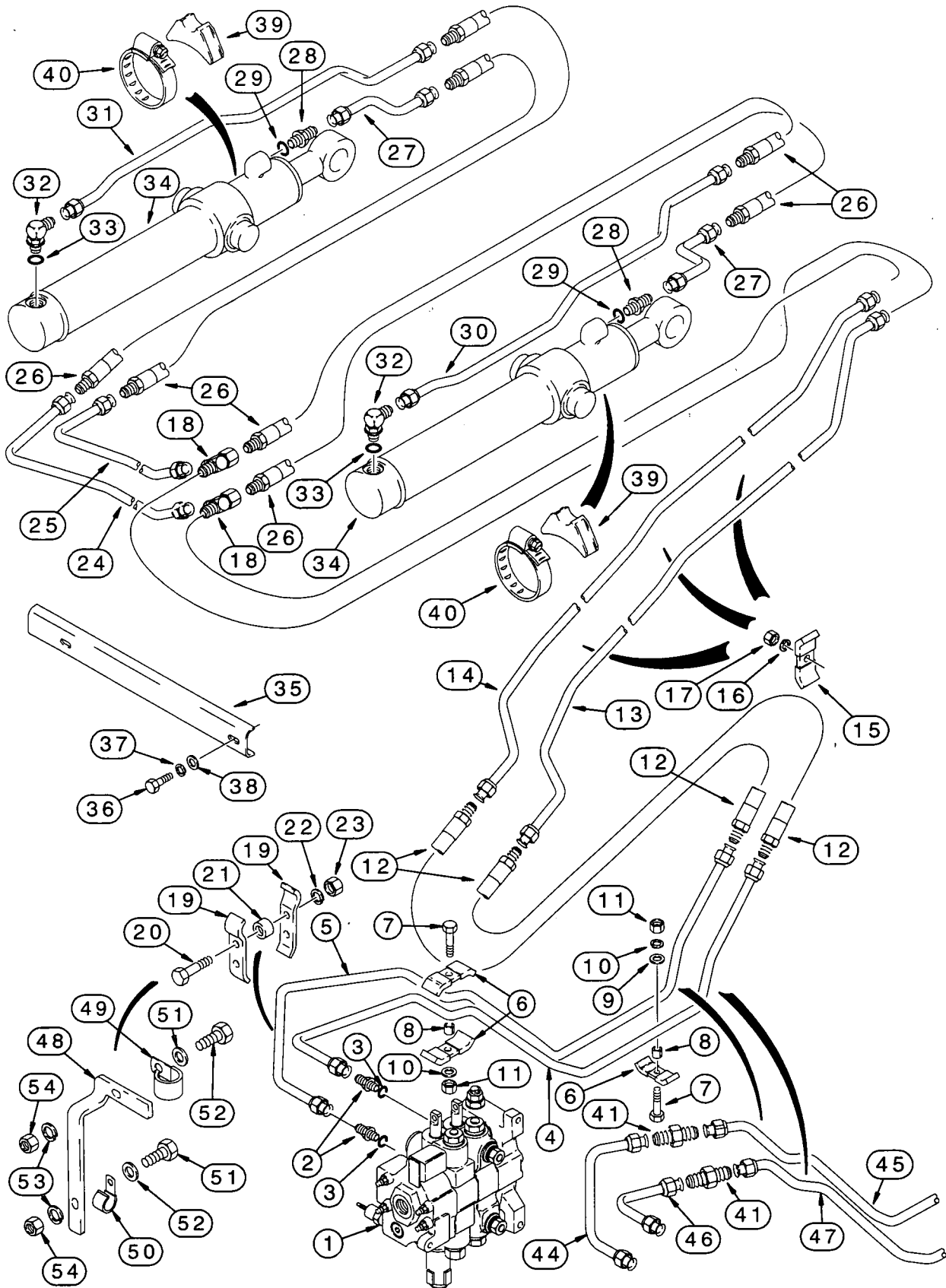
NOTE: See pages 3-3 and 9-93 for hydraulic tubing covers above fuel and hydraulic oil reservoirs.



570LXT and 580L Series 2**8-13****LOADER BUCKET CYLINDER HYDRAULIC CIRCUIT**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - loader control, for correct assembly and components, see page 8-71 or 8-73, for mounting see page 9-3	1
2	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss.	2
3	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
4	232447A1	TUBE - bucket section upper port, used in production (for service order 232934A1 and 232936A1 tubes and 218-435 connector, Ref 41, 46 and 47 on page 8-15)	1
5	220169A1	TUBE - bucket section lower port, used in production (for service order 221143A1 and 221146A1 tubes and 218-435 connector, items 41, 44 and 45 on page 8-15)	1
6	D138055	CLAMP - tube	2
7	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	2
8	120303A1	SPACER - tube	2
9	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	2
10	892-11010	WASHER - lock, 10 mm	2
11	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	2
12	138467A1	HOSE - 680 mm (26-3/4 inch) long, at loader arm pivot	2
13	196817A1	TUBE - lower, on right-hand lift arm, from bucket section upper port to closed end of bucket cylinders.	1
14	196819A1	TUBE - upper, on right-hand lift arm, from bucket section lower port to bucket cylinder rod end	1
15	D138055	CLAMP - tube	3
16	892-11010	WASHER - lock, 10 mm	3
17	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	3
18	218-5220	TEE - swivel, 7/8-14 inch flare branch x flare x swivel, at upper lift frame crossover tube	2
19	221733A1	CLAMP - tube, attaches to item 5 tube above and item 27 tube on page 8-3	2
20	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	2
21	120303A1	SPACER - tube	2
22	892-11010	WASHER - lock, 10 mm	2
23	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	2
24	196815A1	TUBE - crossover, rear, upper lift frame tube to rod end of bucket cylinder	1

Continued on next page



570LXT and 580L Series 2**8-15****LOADER BUCKET CYLINDER HYDRAULIC CIRCUIT**

REF.	PART NO.	DESCRIPTION	REQ'D.
25	196813A1	TUBE - crossover, front, lower lift frame tube to bucket cylinder closed end.	1
26	136226A1	HOSE - 840 mm (33 inch) long, at bucket cylinders	4
27	192152A1	TUBE - bucket cylinder rod end.	2
28	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss.	2
29	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
30	192156A1	TUBE - right-hand bucket cylinder closed end	1
31	192154A1	TUBE - left-hand bucket cylinder closed end.	1
32	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss	2
33	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
34	175238A1	CYLINDER ASSEMBLY - 70 (2-3/4) ID x 522 mm (20-9/16 inch) stroke, loader bucket, parts list page 8-141.	2
35	250648A1	GUARD - crossover tube, 3 mm thick	1
36	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	2
37	892-11010	WASHER - lock, 10 mm	2
38	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
39	L79937	SPACER - rubber, tube	2
40	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia	2
41	218-435	CONNECTOR - straight, large hex, 7/8-14 inch flare	1
44	221143A1	TUBE - bucket section lower port at valve.	1
45	221146A1	TUBE - bucket section lower port tube to hose	1
46	232934A1	TUBE - bucket section upper port at valve	1
47	232936A1	TUBE - bucket section upper port tube to hose.	1
48	253111A1	BRACKET - tube mounting, 570LXT models, if used	1
49	252831A1	CLAMP - 1 inch tube, 570LXT models, if used	1
50	252833A1	CLAMP - 5/8 inch tube, 570LXT models, if used.	1
51	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm, 570LXT models, if used	2
52	895-11008	WASHER - flat, 9 x 17 x 1.6 mm, 570LXT models, if used	2
53	892-11008	WASHER - lock, 8 mm, 570LXT models, if used.	2
54	829-1408	NUT - hex, 8 mm - 1.25, class 10, 570LXT models, if used	2

NOTE: See pages 3-3 and 9-93 for hydraulic tubing covers above fuel and hydraulic oil reservoirs.

8-16

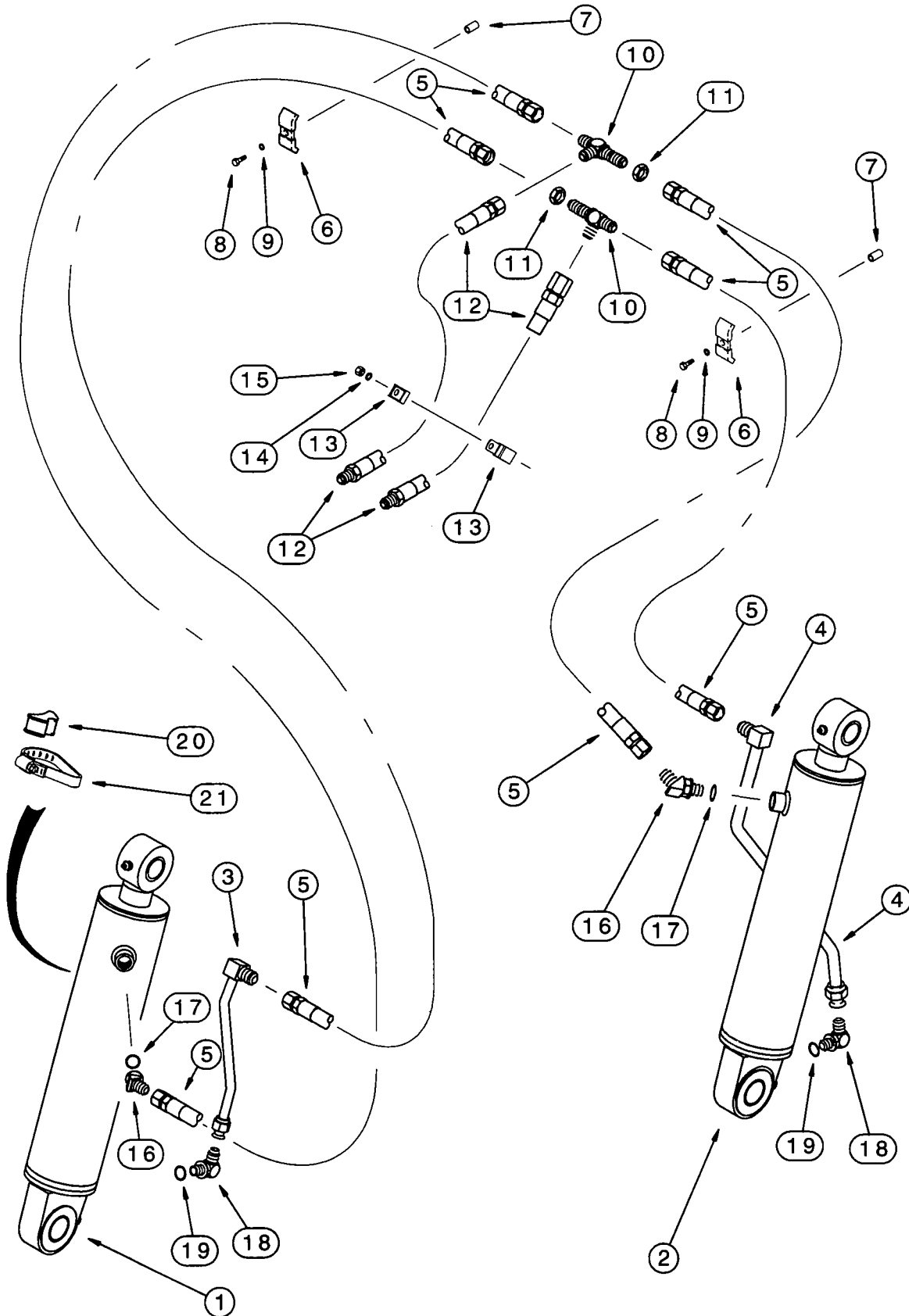


570LXT and 580L Series 2**8-17****LOADER CLAM CYLINDER HYDRAULIC CIRCUIT**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	113785A4	VALVE ASSEMBLY - loader control, three-spool, parts list page 8-73, for mounting hardware see page 9-3.	1
2	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss.	2
3	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
4	225326A1	TUBE - upper port loader valve clam section to hose at loader arm pivot (services itself).	1
5	225328A1	TUBE - lower port loader valve clam section to hose at loader arm pivot, used in production (for service order 232945A1 and 232947A1 tubes and 218-435 connector, Ref 19-21).	1
6	814-10040	BOLT - hex, 10 - 1.5 x 40 mm, mm.	2
7	D138055	CLAMP - tube.	2
8	120303A1	SPACER - tube.	2
9	892-11010	WASHER - lock, 10 mm.	2
10	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	2
11	138467A1	HOSE - 680 mm (26-3/4 inch) long, at loader arm pivot.	2
12	196824A1	TUBE - lower, on loader lift frame, port A.	1
13	196821A1	TUBE - upper, on loader lift frame, port B.	1
14	D138055	CLAMP - tube.	4
15	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	4
16	892-11010	WASHER - lock, 10 mm.	4
17	218-776	PLUG - hex, 7/8-14 inch flare, not used on models with clam bucket, if used.	2
18	188058A1	RESTRICTOR - check.	1
19	232945A1	TUBE - lower port at loader valve.	1
20	218-435	CONNECTOR - straight, large hex, 7/8-14 inch flare.	1
21	232947A1	TUBE - lower port at loader valve.	1

NOTE: See pages 3-3 and 9-93 for hydraulic tubing covers above fuel and hydraulic oil reservoirs.

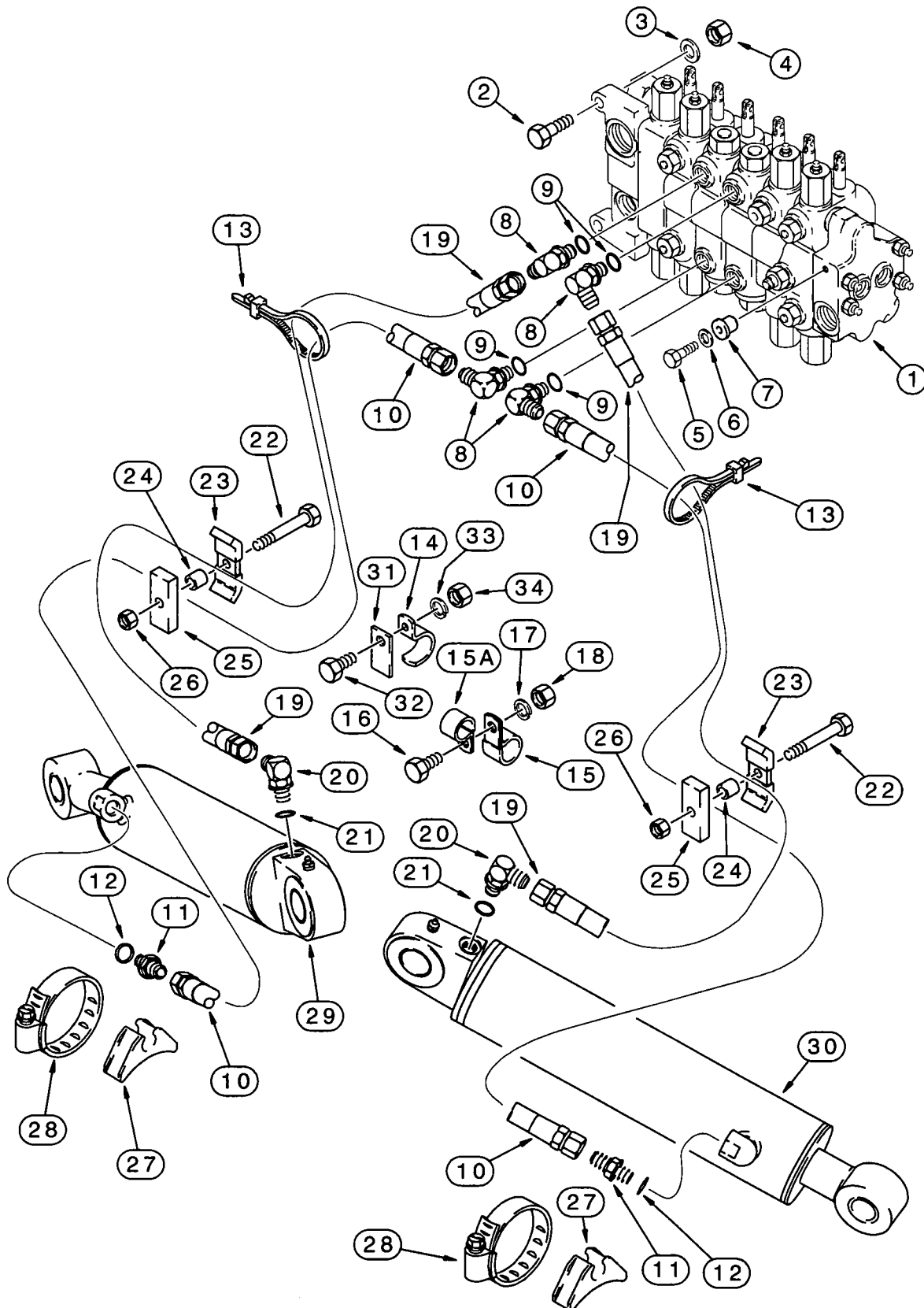
8-18



570LXT and 580L Series 2**8-19****LOADER CLAM CYLINDER HYDRAULIC CIRCUIT
AT LOADER BUCKET**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	1346190C1	CYLINDER ASSEMBLY - 76 (3) ID x 231 mm (9 inch) stroke, clam, left-hand, parts list page 8-143	1
2	1346189C1	CYLINDER ASSEMBLY - 76 (3) ID x 231 mm (9 inch) stroke, clam, right-hand, parts list page 8-143	1
3	192352A1	TUBE - left-hand cylinder.	1
4	192345A1	TUBE - right-hand cylinder	1
5	144242A1	HOSE - 1120 mm (44-3/32 inch) long, right-hand and left-hand cylinders	4
6	D40236	CLAMP - horizontal hose.	2
7	R46493	SPACER - split, 22 mm (7/8 inch) long	2
8	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	2
9	892-11010	WASHER - lock, 10 mm	2
10	218-1237	TEE - 7/8-14 inch flare branch x flare x bulkhead flare, connecting horizontal and vertical tubes and hoses	2
11	218-1251	NUT - hex, lock, bulkhead, 7/8 inch NF.	2
12	144243A1	HOSE - 1167 mm (46 inch) long, lift arms	2
13	515-25254	CLAMP - P-type, 1 inch ID, vertical hoses.	2
14	895-11010	WASHER - flat, 11 x 20 x 2 mm	1
15	832-10410	NUT - hex, self-locking, 10 mm - 1.5	1
16	218-5137	ELBOW - 45 degree, 7/8-14 inch flare x adj O-ring boss, clam cylinders, rod end.	2
17	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
18	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss, clam cylinders, closed end	2
19	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
20	D38648	SPACER - rubber, clamp.	2
21	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia, clam cylinder tubing	2

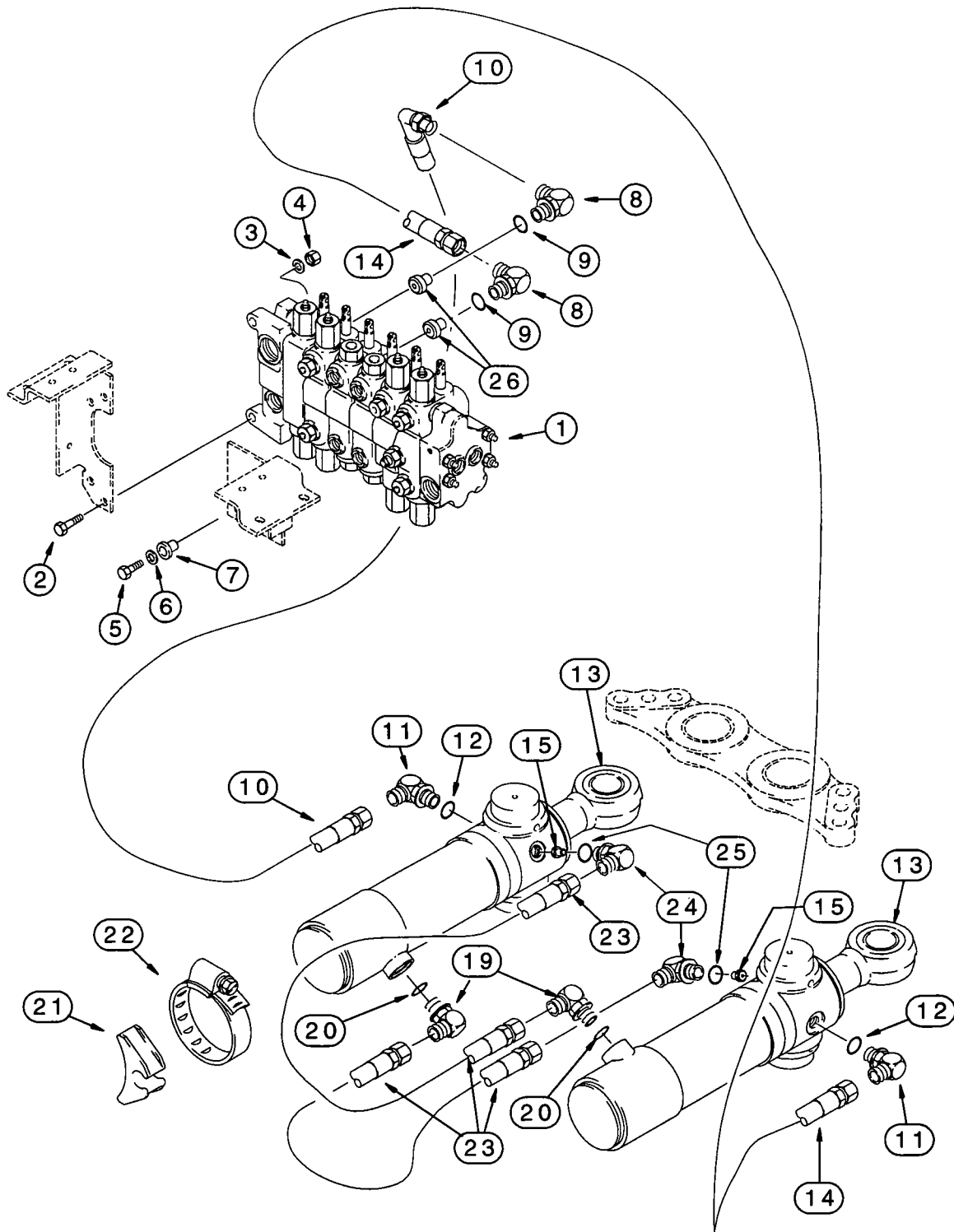
NOTE: To complete the clam cylinder hydraulic circuit see page 8-17.



570LXT and 580L Series 2**8-21****BACKHOE STABILIZER CYLINDER HYDRAULIC CIRCUIT**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see pages 8-87 - 8-93	1
2	814-12045	BOLT - hex, 12 - 1.75 x 45 mm	2
3	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	2
4	829-1412	NUT - hex, 12 mm - 1.75, class 10	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
6	D52275	WASHER - flat, special, 25/64 x 1-1/4 x 7/64 inch, hardened	1
7	D52276	INSULATOR - rubber.	1
8	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss, stabilizer section upper and lower ports	4
9	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
10	144251A1	HOSE - 1240 mm (48-13/16 inch) long, stabilizer cylinder rod ends to stablizer section lower ports	2
11	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss, stabilizer cylinder rod ends.	2
12	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
13	L18337	STRAP - tie, 15 inch, nylon, retaining	2
14	D143411	CLAMP - P-type, 3/4 inch ID	1
15	515-23254	CLAMP - P-type, 1 inch ID.	1
15A	515-23190	CLAMP - P-type, 3/4 inch ID	1
16	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm	1
17	892-11008	WASHER - lock, 8 mm	1
18	829-1408	NUT - hex, 8 mm - 1.25, class 10	1
19	143384A1	HOSE - 1025 mm (40-3/8 inch) long, stabilizer section upper ports to closed ends of stabilizer cylinders	2
20	218-5121	ELBOW - 90 degree, 3/4-16 flare x 7/8-14 inch adj O-ring boss, stabilizer cylinder closed ends.	2
21	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
22	814-10065	BOLT - hex, 10 - 1.5 x 65 mm	2
23	D40236	CLAMP - hose	2
24	D146035	SPACER - hose clamps.	2
25	D150099	PLATE - spacer	2
26	829-2410	NUT - hex, flange, 10 mm - 1.5, class 10	2
27	D142787	INSULATOR - rubber.	2
28	214-14104	CLAMP - adj, 6-1/8 - 7 inch dia	2
29	195504A1	CYLINDER ASSEMBLY - 102 (4) ID x 553 mm (21-3/4 inch) stroke, left-hand stabilizer, parts list page 8-145.	1
30	195503A1	CYLINDER ASSEMBLY - 102 (4) ID x 553 mm (21-3/4 inch) stroke, right-hand stabilizer, parts list page 8-145.	1
31	191758A1	PLATE - spacer, clamp	1
32	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	1
33	892-11010	WASHER - lock, 10 mm	1
34	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	1

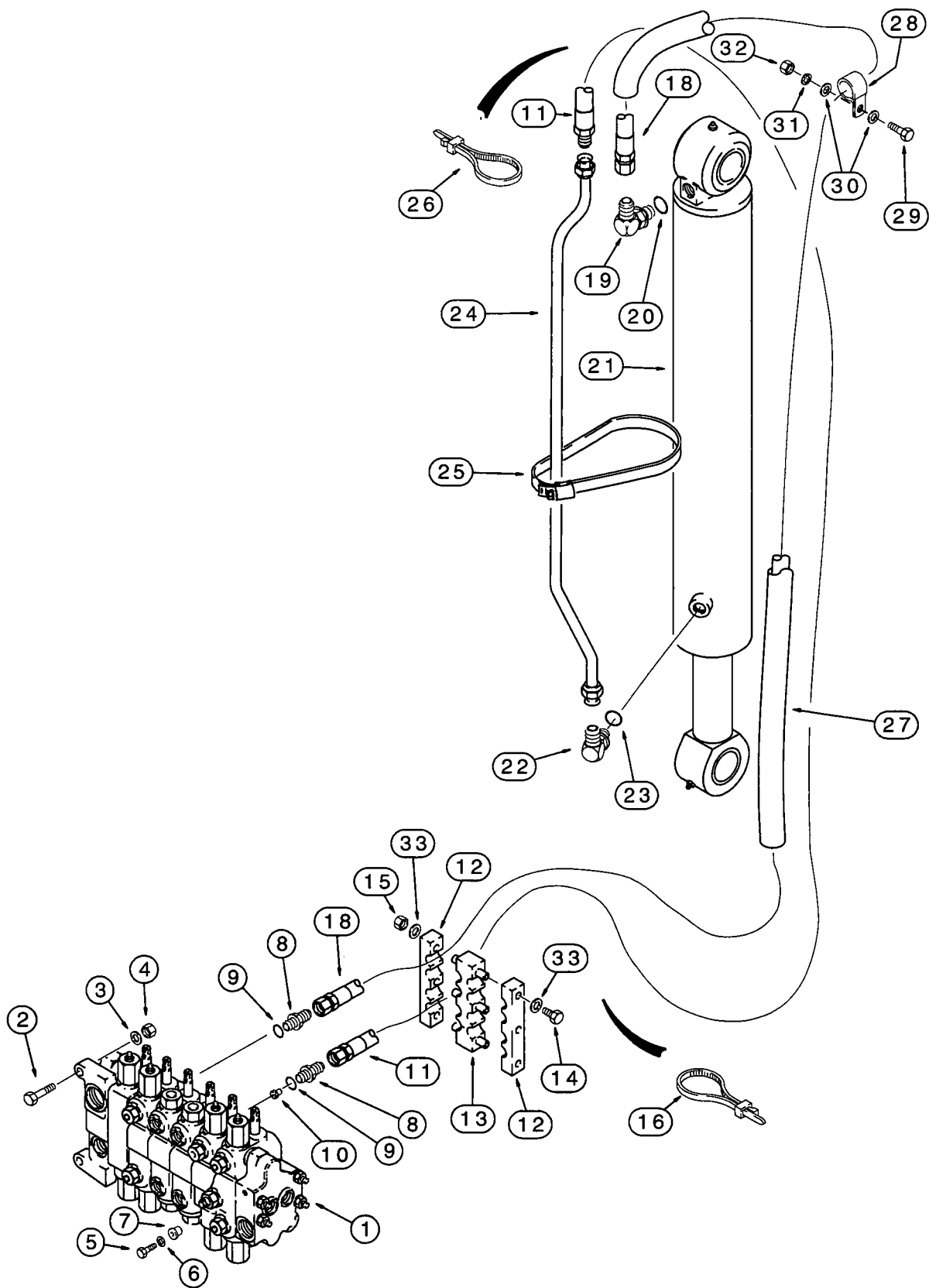
8-22



570LXT and 580L Series 2
8-23
BACKHOE SWING CYLINDER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see pages 8-87 - 8-93	1
2	814-12045	BOLT - hex, 12 - 1.75 x 45 mm	2
3	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	2
4	829-1412	NUT - hex, 12 mm - 1.75, class 10	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
6	D52275	WASHER - flat, special, 25/64 x 1-1/4 x 7/64 inch, hardened	1
7	D52276	INSULATOR - rubber.	1
8	218-5119	ELBOW - 90 degree, 7/8-14 flare x 1-1/16-12 inch adj O-ring boss, swing section upper and lower ports	2
9	237-6012	O-RING - 59/64 ID x 7/64 inch wide.	1
10	196278A1	HOSE - 700 mm (27-9/16 inch) long, includes hose guard, swing section upper port to outer rod end of left-hand swing cylinder	1
11	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss, outer rod end of swing cylinders	2
12	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
13	188027A2	CYLINDER ASSEMBLY - 95 (3-3/4) ID x 292 mm (11-1/2 inch) stroke, swing, parts list page 8-147.	2
14	183243A1	HOSE - 1400 mm (55-1/8 inch) long, right-hand swing cylinder outer rod end to swing section lower port	1
15	192971A1	RESTRICTOR - check.	2
19	218-5119	ELBOW - 90 degree, 7/8-14 flare x 1-1/16-12 inch adj O-ring boss	2
20	237-6012	O-RING - 59/64 ID x 7/64 inch wide.	1
21	D142787	INSULATOR - rubber.	2
22	214-1488	CLAMP - adj, 5-1/8 - 6 inch dia	2
23	255659A1	HOSE - 815 mm (32-3/32 inch) long, 1/2 inch ID, includes hose guard, crossover	2
24	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss	2
25	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
26	182222A1	RESTRICTOR - check, 4.36 mm orifice	2

8-24

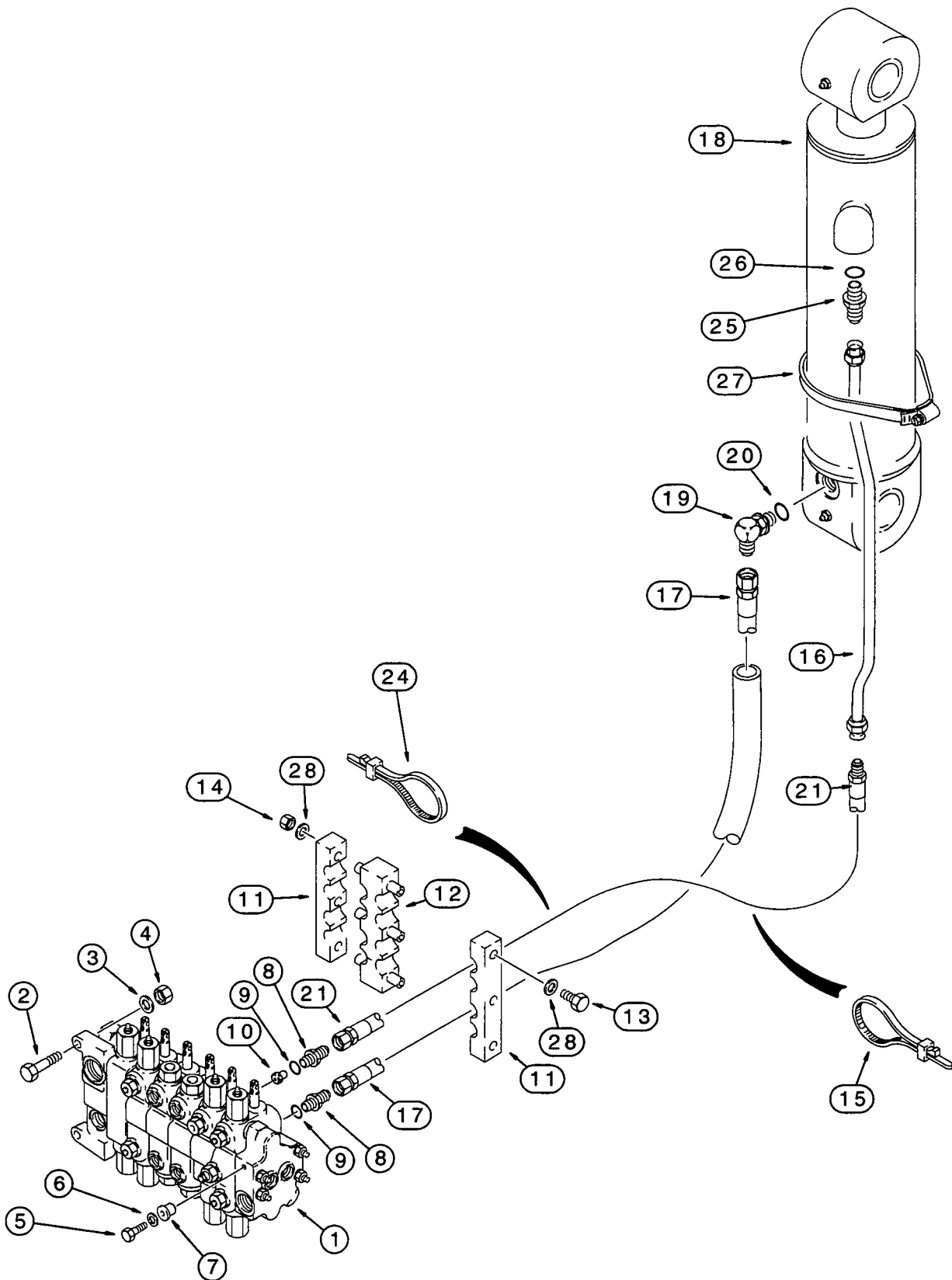


570LXT and 580L Series 2
8-25
***BACKHOE BOOM CYLINDER HYDRAULIC CIRCUIT**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see pages 8-87 - 8-93	1
2	814-12045	BOLT - hex, 12 - 1.75 x 45 mm	2
3	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	2
4	829-1412	NUT - hex, 12 mm - 1.75, class 10	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
6	D52275	WASHER - flat, special, 25/64 x 1-1/4 x 7/64 inch, hardened	1
7	D52276	INSULATOR - rubber.	1
8	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring boss, boom section upper and lower ports	2
9	237-6012	O-RING - 59/64 ID x 7/64 inch wide.	1
10	D140183	RESTRICTOR - check, boom section lower port, remove restrictor if equipped with boom lock valve circuit	1
11	227504A1	HOSE - 3470 mm (136-5/8 inch) long, includes hose guard and clamp, control valve through swing tower to boom	1
12	178951A1	CLAMP - hose, outer	2
13	178952A1	CLAMP - hose, center	1
14	814-10120	BOLT - hex, 10 - 1.5 x 120 mm	3
15	832-10410	NUT - hex, self-locking, 10 mm - 1.5	3
16	L18337	STRAP - tie, 15 inch, nylon, retaining	4
18	227507A1	HOSE - 3495 mm (137-5/8 inch) long, includes hose guard and clamp, boom cylinder closed end	1
19	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss, boom cylinder closed end, for models with boom lock valve, see page 8-55	1
20	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
21	189653A1	CYLINDER ASSEMBLY - 114 (4-1/2) ID x 981 mm (38-5/8 inch) stroke, boom, parts list page 8-149	1
22	218-5123	ELBOW - 90 degree, 1-1/16-12 flare x 7/8-14 inch adj O-ring boss, boom cylinder rod end	1
23	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
24	187778A1	TUBE - boom cylinder rod end	1
25	214-1488	CLAMP - adj, 5-1/8 - 6 inch dia, tube to cylinder	2
26	L18337	STRAP - tie, 15 inch, nylon retaining.	4
27	224057A1	SLEEVE - 1000 mm (39-3/8 inch) long	2
28	515-23254	CLAMP - P-type, 1 inch ID.	1-2
28	R24840	CLAMP - P-type, 1-1/8 inch ID, 5/8 inch hose	1
29	614-10035	BOLT - hex, full threads, 10 - 1.5 x 35 mm	2
30	895-11010	WASHER - flat, 11 x 20 x 2 mm	2-4
31	892-11010	WASHER - lock, 10 mm	2
32	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	2
33	895-11010	WASHER - flat, 11 x 20 x 2 mm	6

*** NOTE:** See pages 8-53 and 8-55 for boom lock hydraulic and electrical circuit.

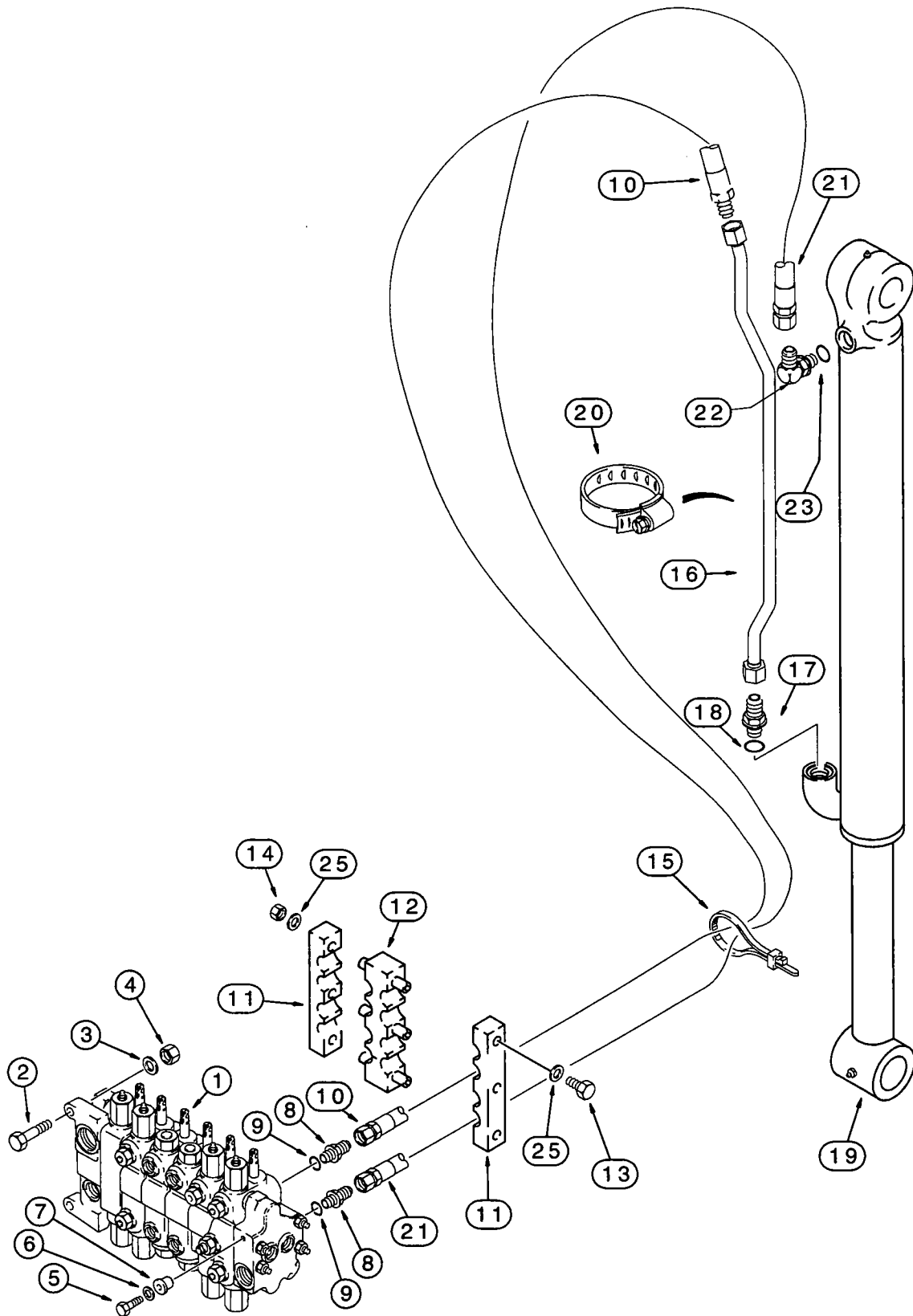
8-26



570LXT and 580L Series 2**8-27****BACKHOE DIPPER CYLINDER HYDRAULIC CIRCUIT**

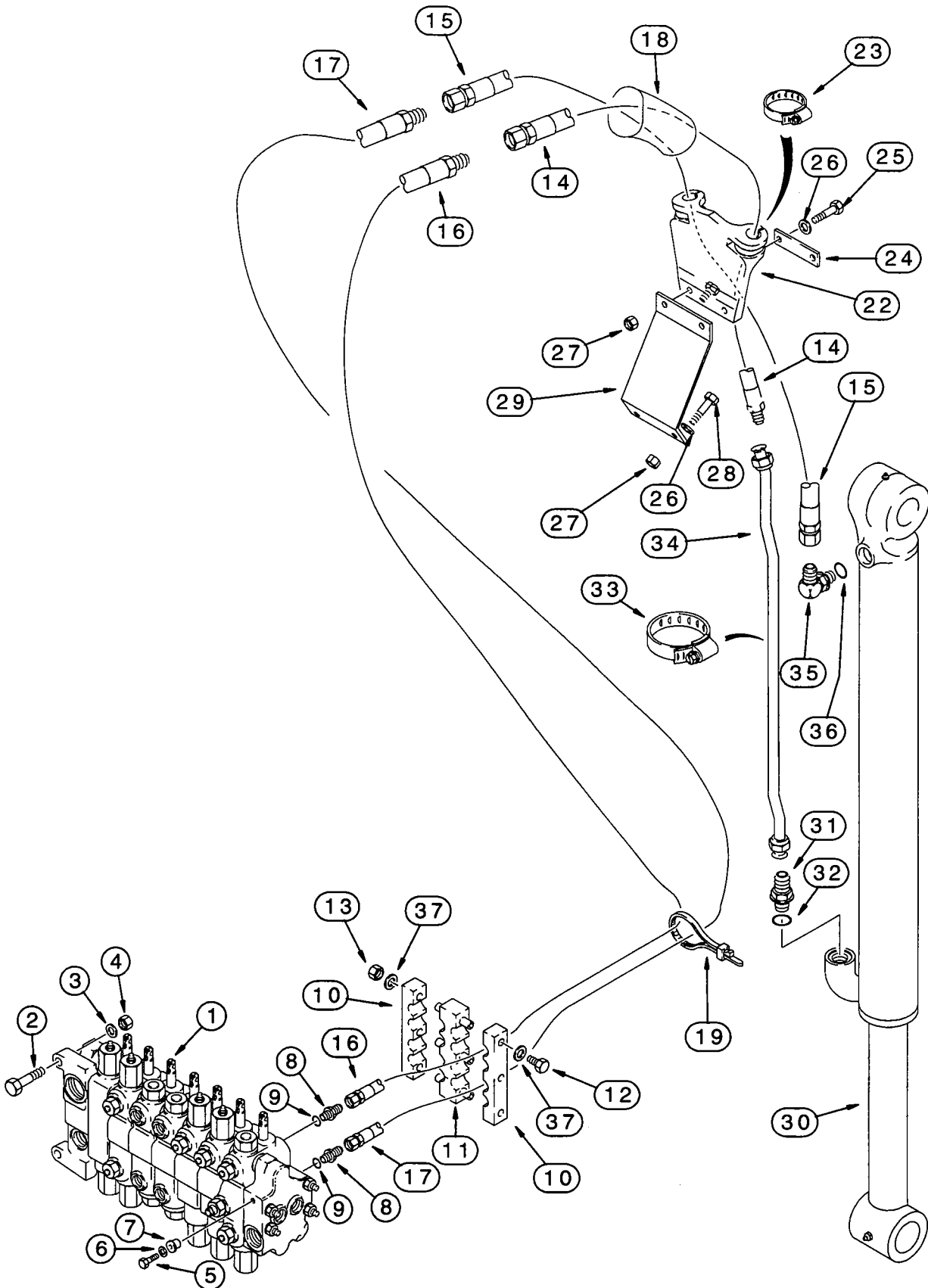
REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see pages 8-87 - 8-93	1
2	814-12045	BOLT - hex, 12 - 1.75 x 45 mm	2
3	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	2
4	829-1412	NUT - hex, 12 mm - 1.75, class 10	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
6	D52275	WASHER - flat, special, 25/64 x 1-1/4 x 7/64 inch, hardened	1
7	D52276	INSULATOR - rubber	1
8	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring boss, dipper section upper and lower ports	2
9	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
10	184254A1	RESTRICTOR - check, dipper section upper port	1
11	178951A1	CLAMP - hose, outer	2
12	178952A1	CLAMP - hose, center	1
13	814-10120	BOLT - hex, 10 - 1.5 x 120 mm	3
14	832-10410	NUT - hex, self-locking, 10 mm - 1.5	3
15	L18337	STRAP - tie, 15 inch, nylon, retaining	4
16	185497A1	TUBE - to dipper cylinder rod end	1
17	227514A1	HOSE - 2025 mm (79-3/4 inch) long, includes hose guard and clamp, dipper cylinder closed end	1
18	REF	CYLINDER ASSEMBLY - 108 (4-1/4) ID x 686 mm (27 inch) stroke, dipper, parts list page 8-151	1
19	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss	1
20	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
21	227513A1	HOSE - 2025 mm (79-3/4 inch) long, includes hose guard and clamp, dipper cylinder rod end	1
24	L18337	STRAP - tie, 15 inch, nylon, retaining	2-4
25	218-5065	ADAPTER - straight, 1-1/16-12 flare x 7/8-14 inch O-ring boss	1
26	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
27	214-1488	CLAMP - adj, 5-1/8 - 6 inch dia	1
28	895-11010	WASHER - flat, 11 x 20 x 2 mm	6

8-28



570LXT and 580L Series 2**8-29****BACKHOE BUCKET CYLINDER HYDRAULIC CIRCUIT
MODELS WITHOUT EXTENDABLE DIPPER**

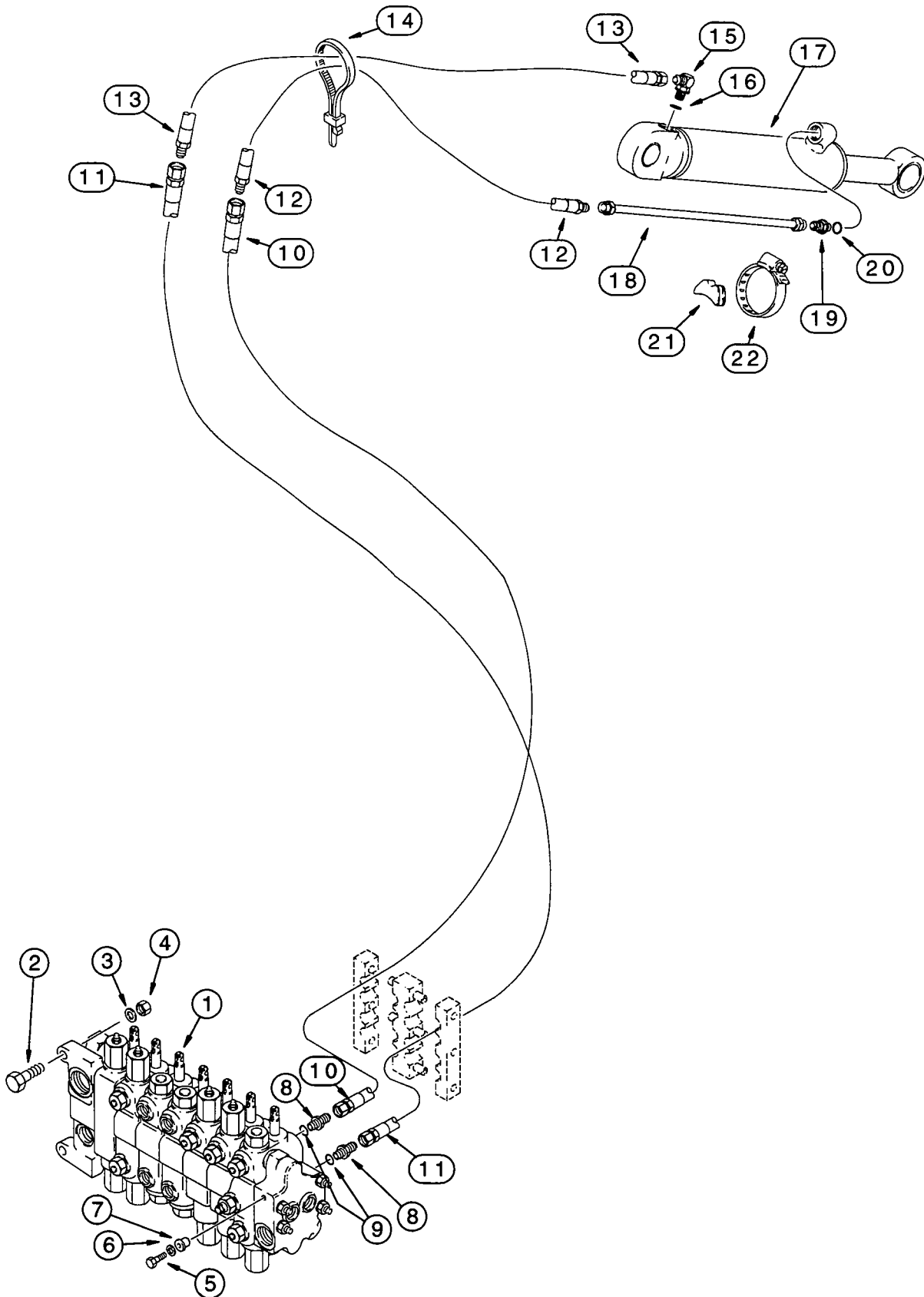
REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see pages 8-87 and 8-89	1
2	814-12045	BOLT - hex, 12 - 1.75 x 45 mm	2
3	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	2
4	829-1412	NUT - hex, 12 mm - 1.75, class 10	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
6	D52275	WASHER - flat, special, 25/64 x 1-1/4 x 7/64 inch, hardened	1
7	D52276	INSULATOR - rubber	1
8	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring boss, bucket section upper and lower ports	2
9	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
10	194158A1	HOSE - 3860 mm (152 inch) long, includes hose guard and clamp, to bucket cylinder rod end	1
11	178951A1	CLAMP - hose, outer	2
12	178952A1	CLAMP - hose, center	1
13	814-10120	BOLT - hex, 10 - 1.5 x 120 mm	3
14	832-10410	NUT - hex, self-locking, 10 mm - 1.5	3
15	L18337	STRAP - tie, 15 inch, nylon, retaining	2-4
16	256091A1	TUBE - bucket cylinder rod end	1
17	218-5065	ADAPTER - straight, 1-1/16-12 flare x 7/8-14 inch O-ring boss, bucket cylinder rod end	1
18	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
19	128760A1	CYLINDER ASSEMBLY - 83 (3-1/4) ID x 872 mm (34-5/16 inch) stroke, bucket, parts list page 8-153	1
20	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia	2
21	194159A1	HOSE - 3860 mm (152 inch) long, includes hose guard and clamp, to bucket cylinder closed end	1
22	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss	1
23	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
25	895-11010	WASHER - flat, 11 x 20 x 2 mm	6



570LXT and 580L Series 2**8-31****BACKHOE BUCKET CYLINDER HYDRAULIC CIRCUIT
MODELS WITH EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see pages 8-91 and 8-93	1
2	814-12045	BOLT - hex, 12 - 1.75 x 45 mm	2
3	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	2
4	829-1412	NUT - hex, 12 mm - 1.75, class 10	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
6	D52275	WASHER - flat, special, 25/64 x 1-1/4 x 7/64 inch, hardened	1
7	D52276	INSULATOR - rubber.	1
8	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring boss, bucket section upper and lower ports	2
9	237-6012	O-RING - 59/64 ID x 7/64 inch wide.	1
10	178951A1	CLAMP - hose, outer.	2
11	178952A1	CLAMP - hose, center.	1
12	814-10120	BOLT - hex, 10 - 1.5 x 120 mm	3
13	832-10410	NUT - hex, self-locking, 10 mm - 1.5	3
14	143401A1	HOSE - 2052 mm (80-3/4 inch) long, to tube at rod end of bucket cylinder	1
15	143400A1	HOSE - 2052 mm (80-3/4 inch) long, to closed end of bucket cylinder.	1
16	194160A1	HOSE - 3048 mm (120 inch) long, includes hose guard and clamp, upper hose to rod end of bucket cylinder.	1
17	194161A1	HOSE - 3048 mm (120 inch) long, includes hose guard and clamp, lower hose to closed end of bucket cylinder	1
18	183322A1	SLEEVE - 2000 mm (78-3/4 inch) long	1
19	L18337	STRAP - tie, 15 inch, nylon, retaining	2-5
22	184297A1	SUPPORT - hose	1
23	214-3132	CLAMP - adj, 1-1/4 - 2-1/8 inch dia	2
24	101479A1	PLATE - hose support	1
25	814-10045	BOLT - hex, 10 - 1.5 x 45 mm	2
26	895-11010	WASHER - flat, 11 x 20 x 2 mm	4
27	832-10410	NUT - hex, self-locking, 10 mm - 1.5	4
28	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	2
29	183736A1	PLATE - hose support	1
30	128760A1	CYLINDER ASSEMBLY - 83 (3-1/4) ID x 872 mm (34-5/16 inch) stroke, bucket, parts list page 8-153	1
31	218-5065	ADAPTER - straight, 1-1/16-12 flare x 7/8-14 inch O-ring boss, bucket cylinder rod end	1
32	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
33	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia	2
34	136436A1	TUBE - bucket cylinder rod end.	1
35	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss	1
36	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
37	895-11010	WASHER - flat, 11 x 20 x 2 mm	6

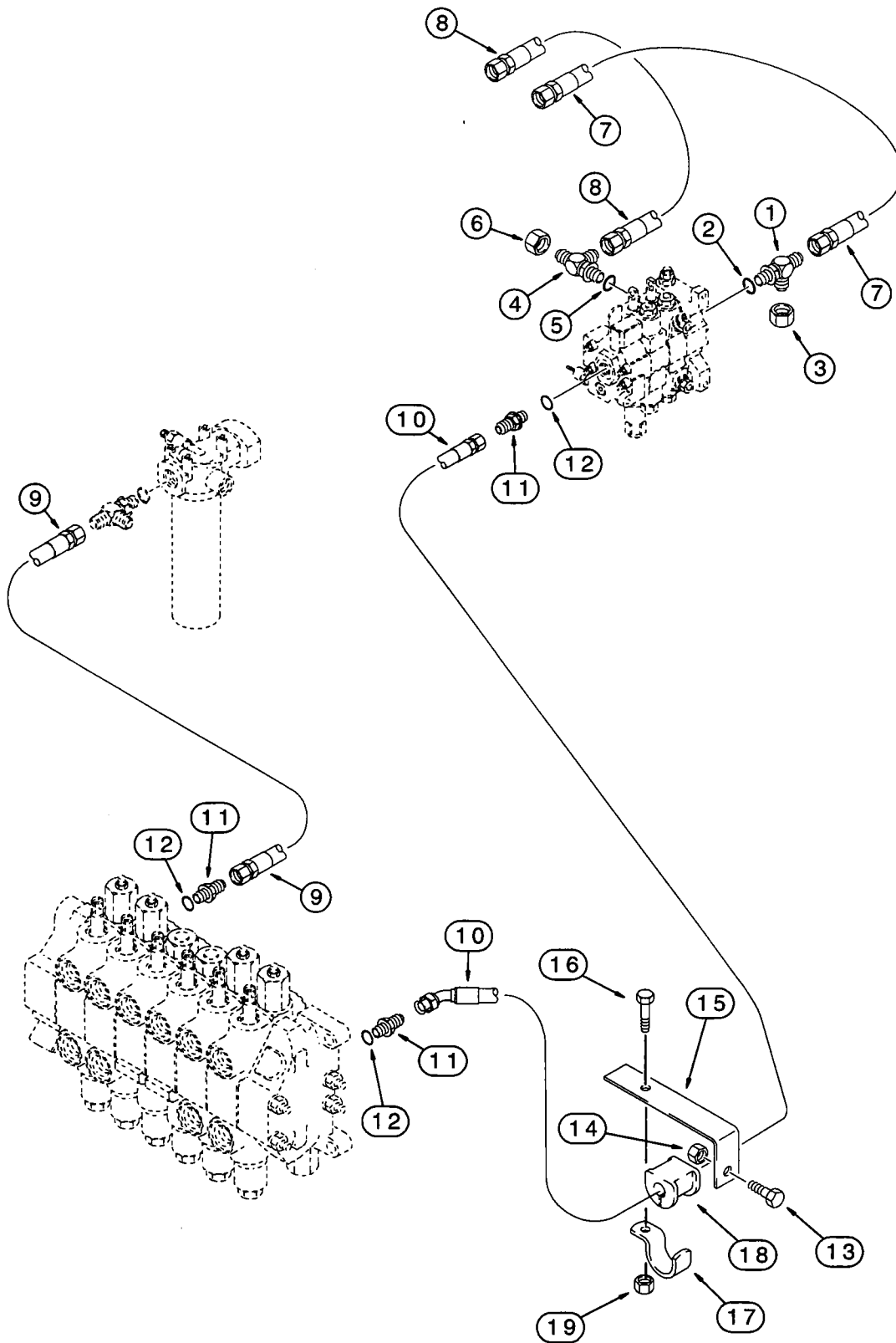
8-32



570LXT and 580L Series 2
8-33
BACKHOE EXTENDABLE DIPPER HYDRAULIC CIRCUIT

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see pages 8-91 or 8-93	1
2	814-12045	BOLT - hex, 12 - 1.75 x 45 mm	2
3	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	2
4	829-1412	NUT - hex, 12 mm - 1.75, class 10	2
5	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	1
6	D52275	WASHER - flat, special, 25/64 x 1-1/4 x 7/64 inch, hardened	1
7	D52276	INSULATOR - rubber.	1
8	218-5063	ADAPTER - straight, 7/8-14 flare x 1-1/16-12 inch O-ring boss, extendable dipper section upper and lower ports	2
9	237-6012	O-RING - 59/64 ID x 7/64 inch wide.	1
10	143358A1	HOSE - 3073 mm (121 inch) long, includes hose guard and clamp, in boom, to extendable dipper cylinder rod end.	1
11	143359A1	HOSE - 3073 mm (121 inch) long, includes hose guard and clamp, in boom, to extendable dipper cylinder closed end	1
12	184617A1	HOSE - 850 mm (33-1/2 inch) long, includes hose guard and clamp, extendable dipper cylinder rod end	1
13	184616A1	HOSE - 700 mm (27-9/16 inch) long, includes hose guard and clamp, extendable dipper cylinder closed end	1
14	L18337	STRAP - tie, 15 inch, nylon, retaining	2-4
15	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss, extendable dipper cylinder closed end.	1
16	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
17	1340969C2	CYLINDER ASSEMBLY - 76 (3) ID x 1068 mm (42 inch) stroke, extendable dipper, parts list page 8-155	1
18	D140706	TUBE - at extendable dipper cylinder rod end.	1
19	218-5062	ADAPTER - straight, 7/8-14 inch flare x O-ring boss, extendable dipper cylinder rod end.	1
20	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
21	D38648	SPACER - rubber	1
22	214-1464	CLAMP - adj, 3-9/16 - 4-1/2 inch dia	1

8-34



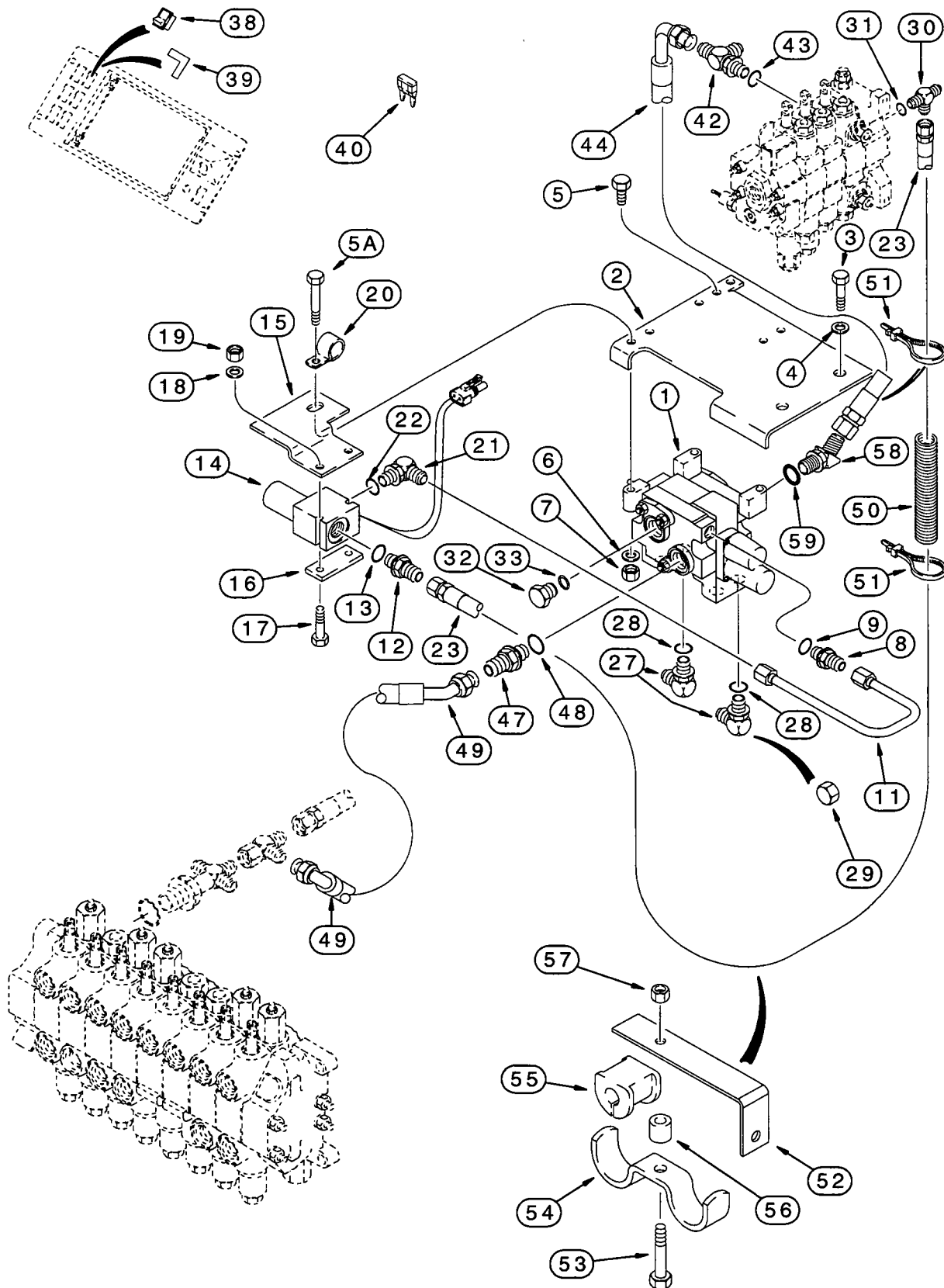
570LXT and 580L Series 2**8-35**

LOADER VALVE TO BACKHOE VALVE HYDRAULIC CIRCUIT
MODELS WITH STANDARD DIPPER OR EXTENDABLE DIPPER
WITHOUT AUXILIARY HYDRAULICS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	218-5243	TEE - 9/16-18 inch flare branch x flare x adj O-ring boss	1
2	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
3	218-754	CAP - hex, 9/16-18 inch.	1
4	218-5576	TEE - 3/4-16 fl branch x 1-1/16-12 fl x 7/8-14 inch adj O-ring	1
5	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
6	218-756	CAP - hex	1
7	144221A1	HOSE - 1275 mm (50-3/16 inch) long, steering pilot, steering control valve small center port to loader control valve, see item 6 on page 5-5	1
8	224423A1	HOSE - 1300 mm (51-3/16 inch) long, steering pressure, loader control valve to steering control valve lower right-hand port	1
9	*144233A1	HOSE - 890 mm (35 inch) long, return, backhoe control valve to filter	1
10	*144241A1	HOSE - 977 mm (38-15/32 inch) long, loader valve power beyond port to backhoe control valve inlet	1
11	218-5069	ADAPTER - straight, 1-5/16-12 inch flare x O-ring boss	3
12	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
13	614-12035	BOLT - hex, full threads, 12 - 1.75 x 35 mm	1
14	829-1412	NUT - hex, 12 mm - 1.75, class 10	1
15	136008A1	BRACKET - mounting, hose	1
16	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
17	144479A1	CLAMP - isolation	1
18	144477A1	INSULATOR - rubber.	1
19	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	1

***NOTE:** See pages 8-37 - 8-51 for auxiliary hydraulics and page 8-67 for hose used on models with three-point hitch.

8-36



570LXT and 580L Series 2**8-37**

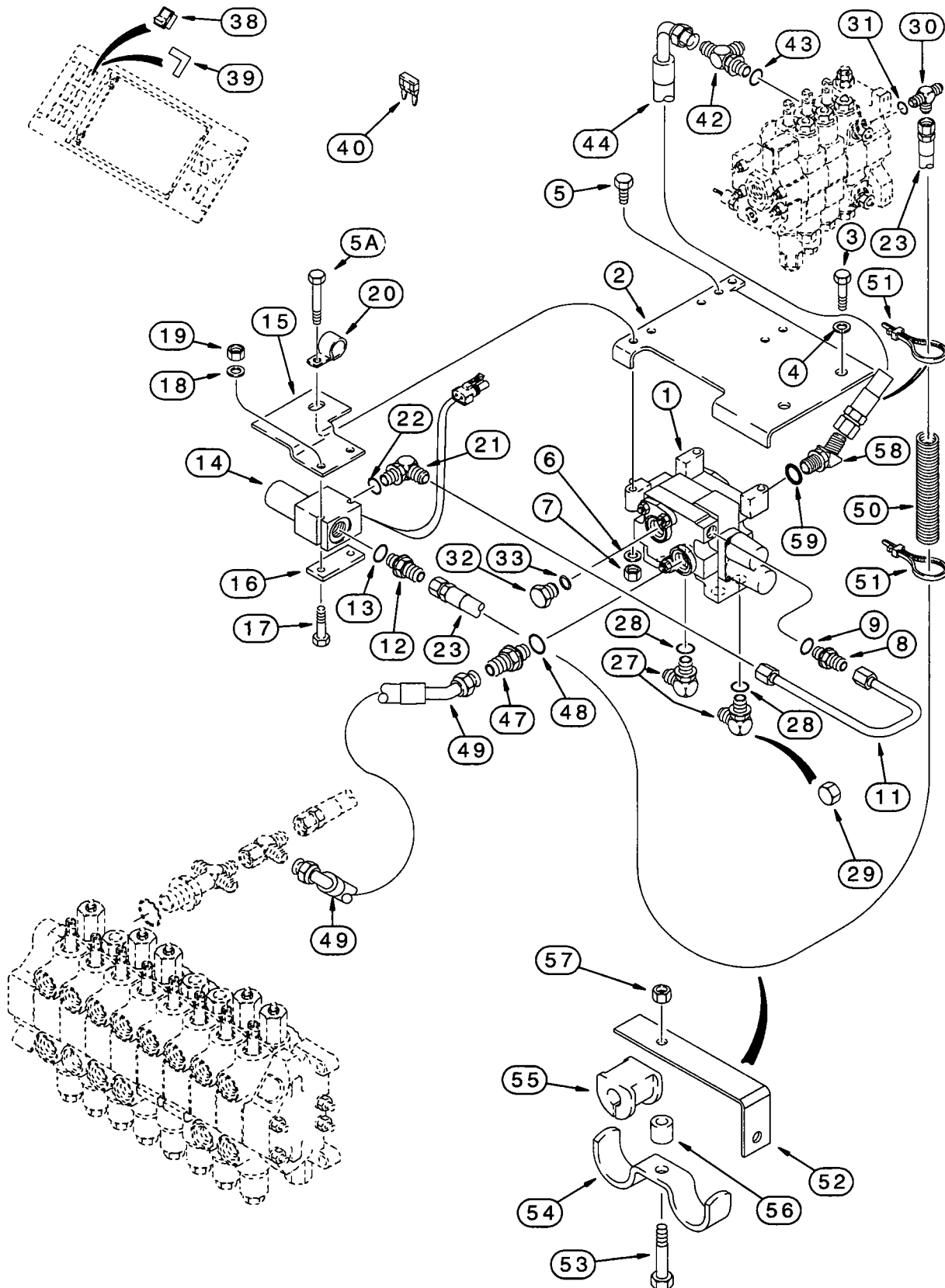
HAND HELD AUXILIARY HYDRAULICS

MODELS WITH OR WITHOUT EXTENDABLE DIPPER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	121741A1	VALVE ASSEMBLY - auxiliary, hand held, one spool, parts list page 8-115	1
2	224788A2	BRACKET - auxiliary valve mounting to chassis	1
3	814-12050	BOLT - hex, 12 - 1.75 x 50 mm	2
4	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	2
5	814-10060	BOLT - hex, 10 - 1.5 x 60 mm	3
5A	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
6	895-11010	WASHER - flat, 11 x 20 x 2 mm	4
7	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	4
8	218-5057	ADAPTER - straight, 9/16-18 inch flare x O-ring boss	1
9	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
11	300983A1	TUBE - auxiliary valve to solenoid valve inlet	1
12	218-5058	ADAPTER - straight, 9/16-18 flare x 3/4-16 inch O-ring boss	1
13	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
14	137012A1	VALVE ASSEMBLY - solenoid, component parts are not serviced separately, attaches to chassis options harness, Ref 36 on page 4-19	1
15	137713A1	BRACKET - solenoid mounting	1
16	136977A1	PLATE - solenoid valve mounting	1
17	814-6060	BOLT - hex, 6 - 1.0 x 60 mm	2
18	895-11006	WASHER - flat, 6.6 x 12 x 1.6 mm	2
19	829-1406	NUT - hex, 6 mm - 1.0, class 10	2
20	515-2379	CLAMP - P-type, 5/16 inch ID	1
21	218-5128	ELBOW - 90 degree, 9/16-18 flare x 3/4-16 inch adj O-ring boss	1
22	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
23	192693A1	HOSE - 1490 mm (58-11/16 inch) long, solenoid valve outlet to check valve at loader control valve inlet section	1
27	218-5107	ELBOW - 90 degree, 7/8-14 inch flare x adj O-ring boss, hand held section of auxiliary valve, see hand held hydraulics on page 8-41 or 8-43 for attaching hoses	2
28	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
29	218-756	CAP - hex, if used, not required when hydraulic hoses for hand held hydraulics are attached to fittings	2
30	282428A1	VALVE - steering check, loader valve inlet section, see page 5-5 for attaching steering hose	1
31	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
32	218-5158	PLUG - hex, 1-1/16-12 inch O-ring boss, auxiliary valve inlet port	1
33	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1

Continued on next page

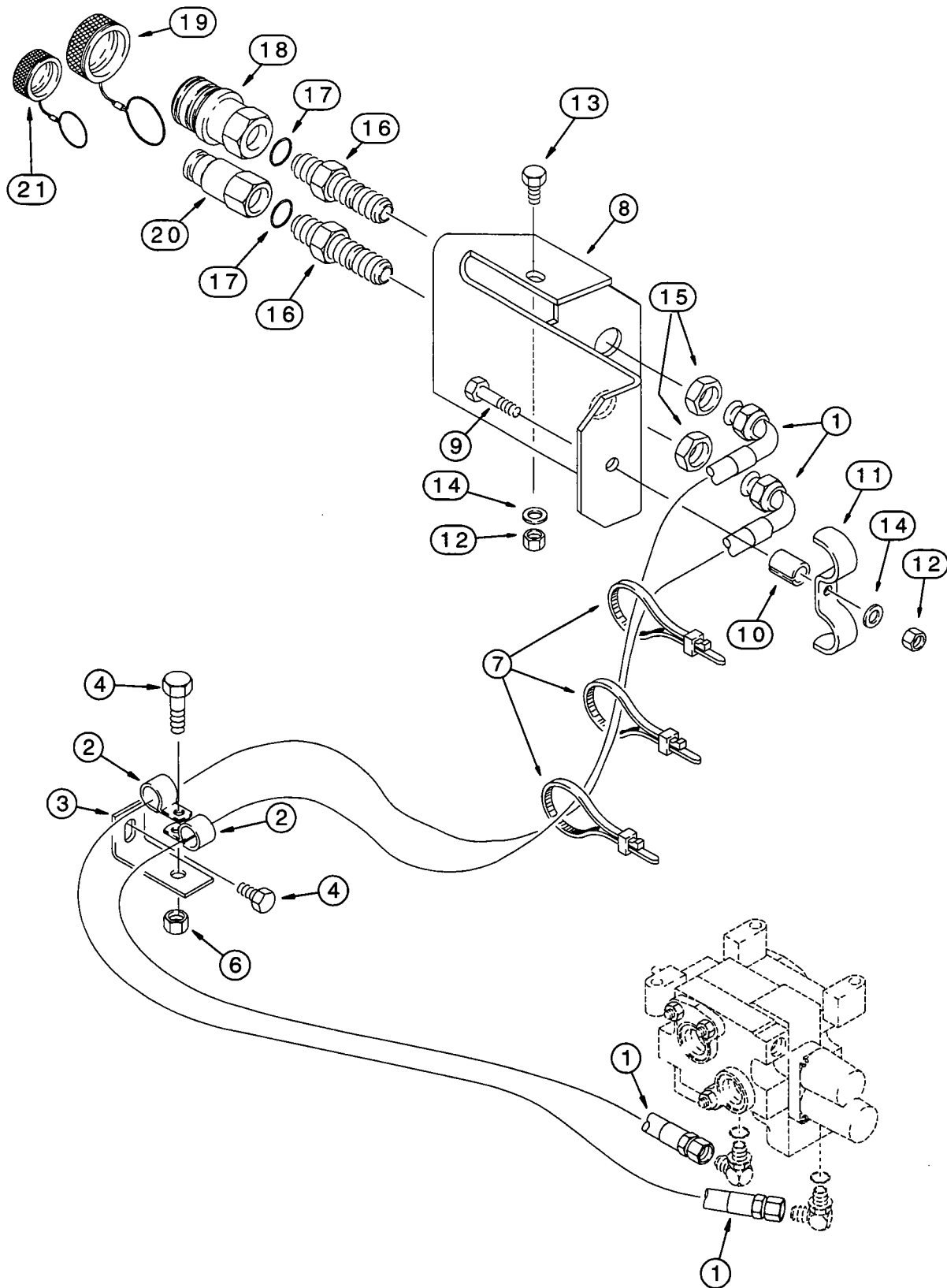
8-38



570LXT and 580L Series 2**8-39****HAND HELD AUXILIARY HYDRAULICS
MODELS WITH OR WITHOUT EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
38	191532A1	SWITCH - rocker, auxiliary hydraulics, attaches to side options harness, Ref 35 on page 4-19	1
39	192299A1	DECAL - auxiliary hydraulics, switch on instrument panel, see page 9-181 for decal.	1
40	121413A1	FUSE - mini, 15 ampere	1
42	218-5576	TEE - 3/4-16 fl branch x 1-1/16-12 fl x 7/8-14 inch adj O-ring, at loader valve inlet section lower port, see page 5-5 for attaching steering hose	1
43	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
44	243338A1	HOSE - 910 mm (35-7/8 inch) long, loader valve inlet section lower port to auxiliary valve port.	1
47	218-5064	ADAPTER - straight, 1-1/16-12 inch flare x O-ring boss	1
48	237-6012	O-RING - 59/64 ID x 7/64 inch wide.	1
49	302474A1	HOSE - 500 mm (19-11/16 inch) long, return, auxiliary valve outlet port to tee at backhoe control valve	1
50	D132982	SLEEVE - hose guard	2
51	L18337	STRAP - tie, 15 inch	4
52	136008A1	BRACKET - mounting	1
53	814-10050	BOLT - hex, 10 - 1.5 x 50 mm	1
54	D143422	CLAMP - double tube	1
55	D143797	INSULATOR - 5/8 inch	1
56	R46493	SPACER - split, 22 mm (7/8 inch) long	1
57	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	1
58	218-5138	ELBOW - 45 degree, 1-1/16-12 inch flare x adj O-ring boss	1
59	237-6012	O-RING - 59/64 ID x 7/64 inch wide.	1

8-40



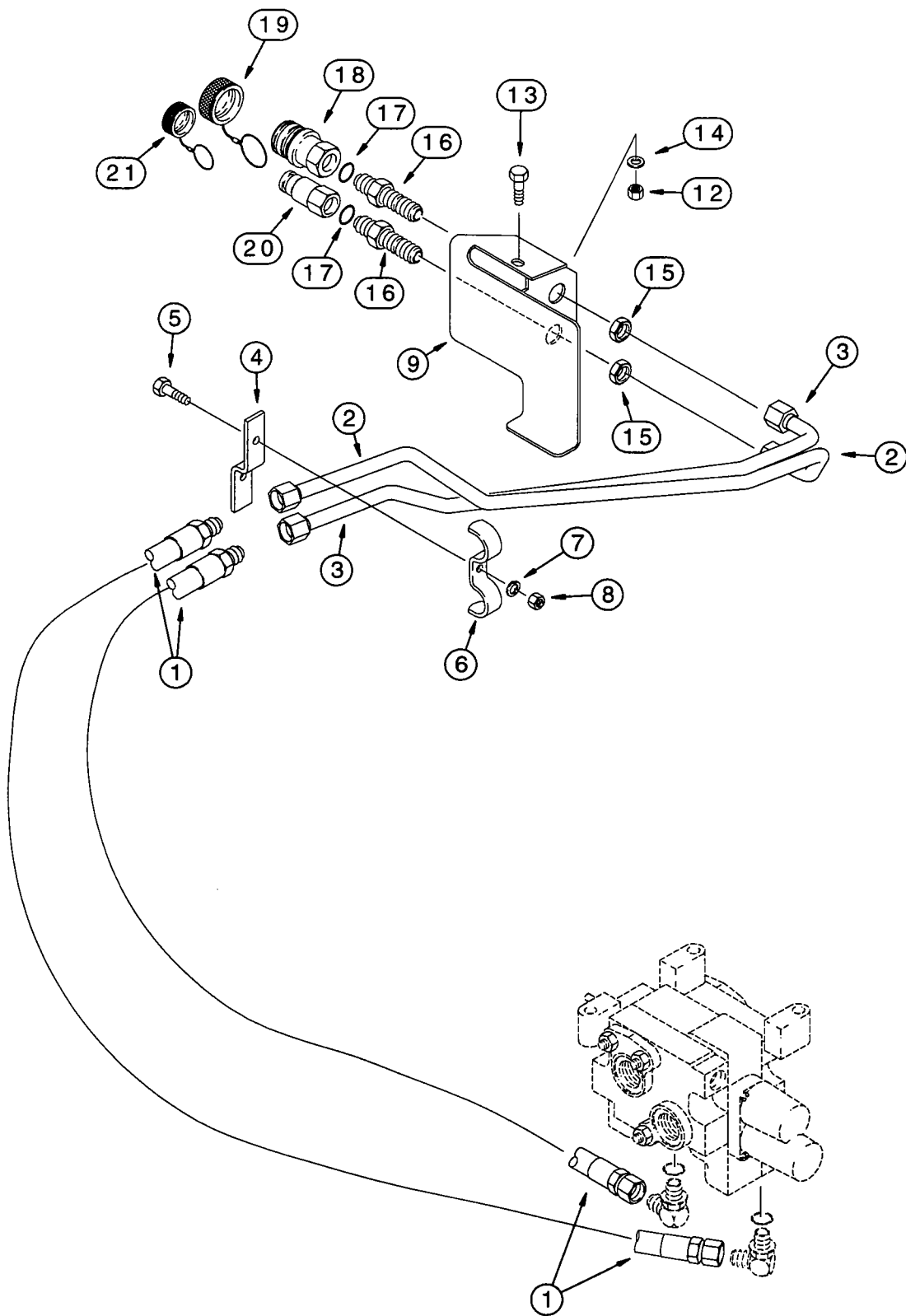
570LXT and 580L Series 2
8-41

***HAND HELD AUXILIARY HYDRAULICS
AUXILIARY VALVE TO QUICK DISCONNECT COUPLINGS
MODELS WITH 31 GALLON FUEL TANK**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	191215A1	HOSE - 2460 mm (96-7/8 inch) long, auxiliary valve to quick disconnect couplings, see page 8-37 for 218-5107 elbows at auxiliary valve	2
2	D34033	CLAMP - P-type, 1-3/16 inch ID	2
3	180318A1	BRACKET - hose support	1
4	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
6	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
7	L18337	STRAP - tie, 15 inch	3
8	297635A1	BRACKET - hose support to quick disconnect couplings	1
9	827-10050	BOLT - hex, 10 - 1.5 x 50 mm, class 10.9	1
10	131600A1	SPACER - clamp	1
11	191075A1	CLAMP - double	1
12	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	2
13	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
14	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
15	218-1256	NUT - hex, lock, bulkhead, 1-1/16 inch NF	2
16	126155A1	CONNECTOR - straight, bulkhead	2
17	237-6012	O-RING - 59/64 ID x 7/64 inch wide	2
18	122179A1	COUPLING - quick disconnect, female, component parts are not serviced separately	1
19	137343A1	CAP - female coupling, aluminum, if used	1
19	193261A1	CAP - female coupling, black rubber, if used	1
20	122178A2	COUPLING - quick disconnect, male, component parts are not serviced separately	1
21	137344A1	CAP - male coupling, aluminum, if used	1
21	193262A1	CAP - male coupling, black rubber, if used	1

***NOTE:** For a continuation of special parts used on models with hand held auxiliary hydraulics, control cables to auxiliary valve, see page 8-45.

8-42



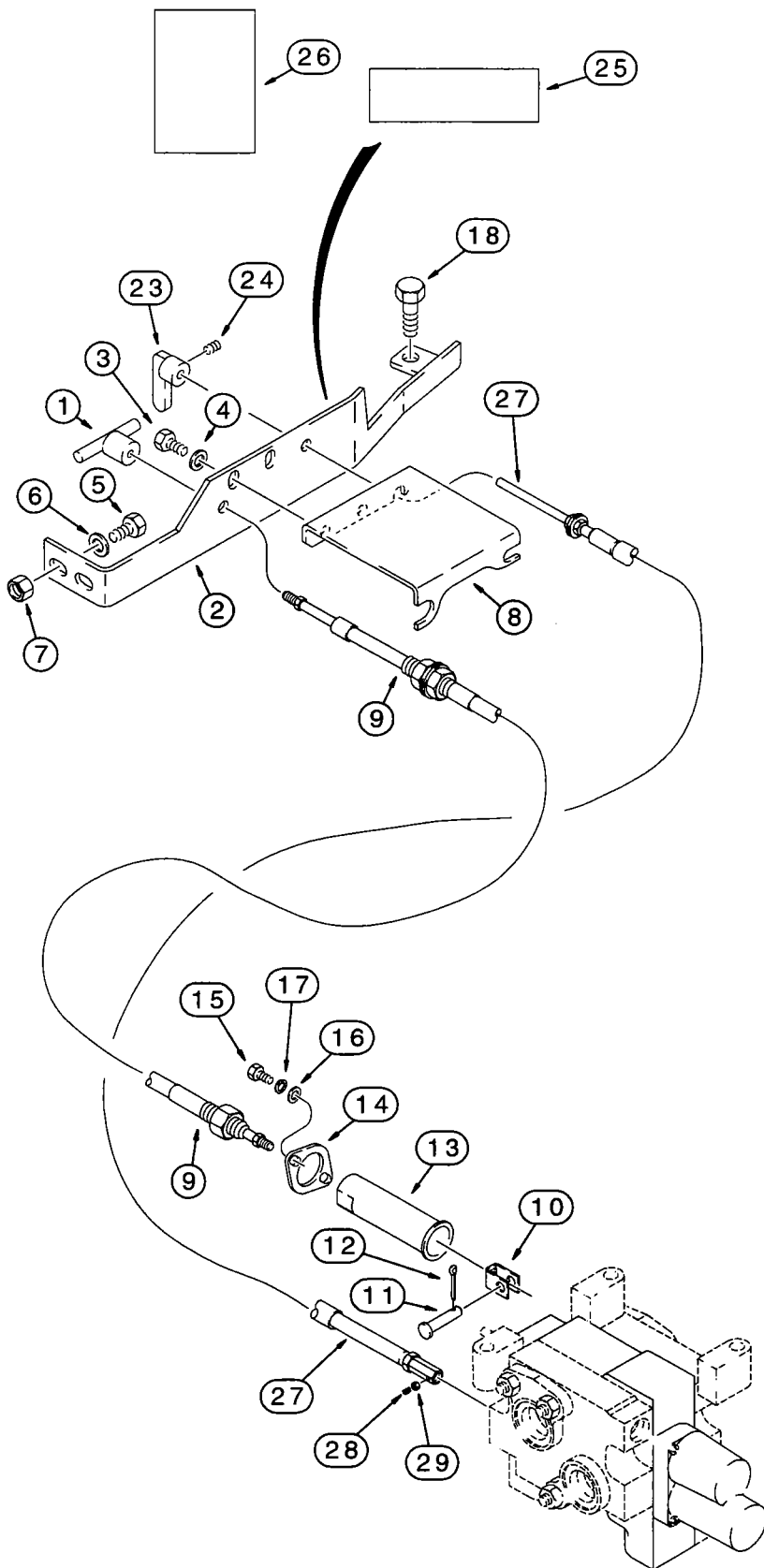
570LXT and 580L Series 2**8-43**

***HAND HELD AUXILIARY HYDRAULICS**
AUXILIARY VALVE TO QUICK DISCONNECT COUPLINGS
MODELS WITH 40 GALLON FUEL TANK

REF.	PART NO.	DESCRIPTION	REQ'D.
1	302501A1	HOSE - 1340 mm (52-13/16 inch) long, auxiliary valve to quick disconnect couplings, see page 8-37 for 218-5107 elbows at auxiliary valve	2
2	301700A1	TUBE - to male coupling	1
3	301698A1	TUBE - to female coupling	1
4	301355A1	BRACKET - tube mounting	1
5	814-10050	BOLT - hex, 10 - 1.5 x 50 mm	1
6	D42833	CLAMP - tube	1
7	892-11010	WASHER - lock, 10 mm	1
8	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
9	300490A1	BRACKET - hose support to quick disconnect couplings	1
12	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
13	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
14	895-11010	WASHER - flat, 11 x 20 x 2 mm	1
15	218-1256	NUT - hex, lock, bulkhead, 1-1/16 inch NF	2
16	126155A1	CONNECTOR - straight, bulkhead	2
17	237-6012	O-RING - 59/64 ID x 7/64 inch wide	2
18	122179A1	COUPLING - quick disconnect, female, component parts are not serviced separately	1
19	137343A1	CAP - female coupling, aluminum, if used	1
19	193261A1	CAP - female coupling, black rubber, if used	1
20	122178A2	COUPLING - quick disconnect, male, component parts are not serviced separately	1
21	137344A1	CAP - male coupling, aluminum, if used	1
21	193262A1	CAP - male coupling, black rubber, if used	1

*** NOTE:** For a continuation of special parts used on models with hand held auxiliary hydraulics, control cables to auxiliary valve, see page 8-45.

8-44

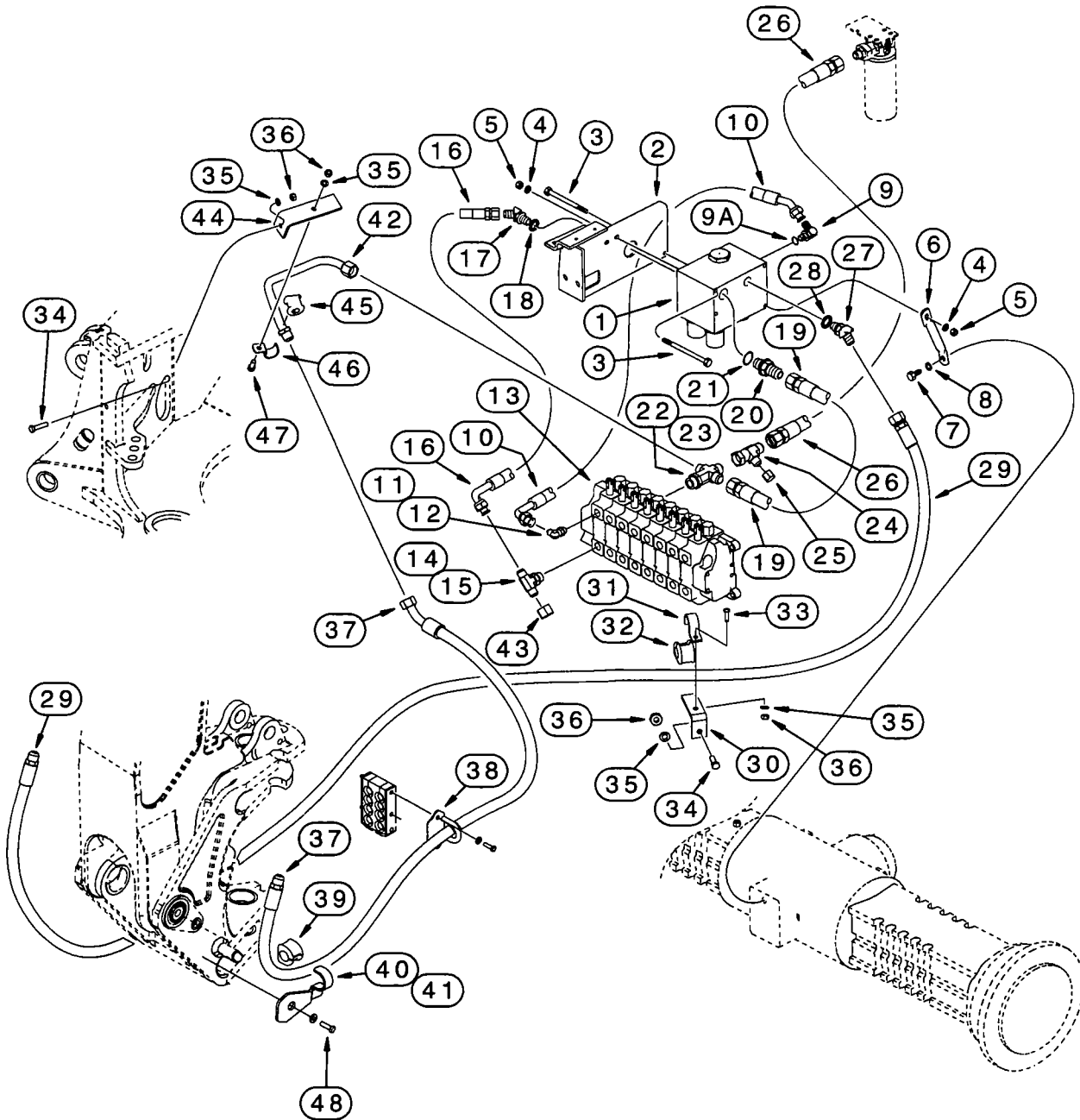


570LXT and 580L Series 2**8-45**

***HAND HELD AUXILIARY HYDRAULICS
CONTROL CABLES TO AUXILIARY VALVE
MODELS WITH 31 OR 40 GALLON FUEL TANK**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	139227A1	KNOB - push pull, detent	1
2	191076A1	PLATE - control panel, hand held auxiliary hydraulics, left-hand mounting hole uses existing mounting hardware.	1
3	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm	2
4	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	2
5	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	2
6	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
7	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	2
8	139043A1	BRACKET - cable support	1
9	123942A1	CABLE - push pull detent, lower auxiliary valve spool	1
10	96790C2	CLEVIS - cable, push pull cable end	1
11	96846C2	PIN - clevis	1
12	733-2012	PIN - cotter, 2 x 12 mm	1
13	1340478C1	HOUSING - cable, lower auxiliary valve spool	1
14	1280055C2	FLANGE - cable support	1
15	614-6020	BOLT - hex, full threads, 6 - 1.0 x 20 mm	2
16	895-11006	WASHER - flat, 6.6 x 12 x 1.6 mm	2
17	892-11006	WASHER - lock, 6 mm	2
18	814-10045	BOLT - hex, 10 - 1.5 x 45 mm	1
23	139230A1	KNOB - rotary, flow control	1
24	83-1108	SCREW - set, hex socket headless, No. 10 NC x 1/2 inch, cup point, flow control knob	1
25	179683A1	DECAL - hand held auxiliary hydraulics, control panel plate, see page 9-181 for decal	1
26	192300A1	DECAL - remote auxiliary hydraulics, inside left-hand door on side of steering wheel panel, see page 9-181 for decal	1
27	123943A1	CABLE - flow control, rotary, upper auxiliary valve spool	1
28	84-2106	SCREW - set, hex socket headless, No. 10 NF x 3/8 inch, cone point	1
29	225-14210	NUT - hex, No. 10 NF	1

***NOTE:** For a continuation of special parts used on models with hand held auxiliary hydraulics, auxiliary valve to quick disconnect couplings, see page 8-41 or 8-43.



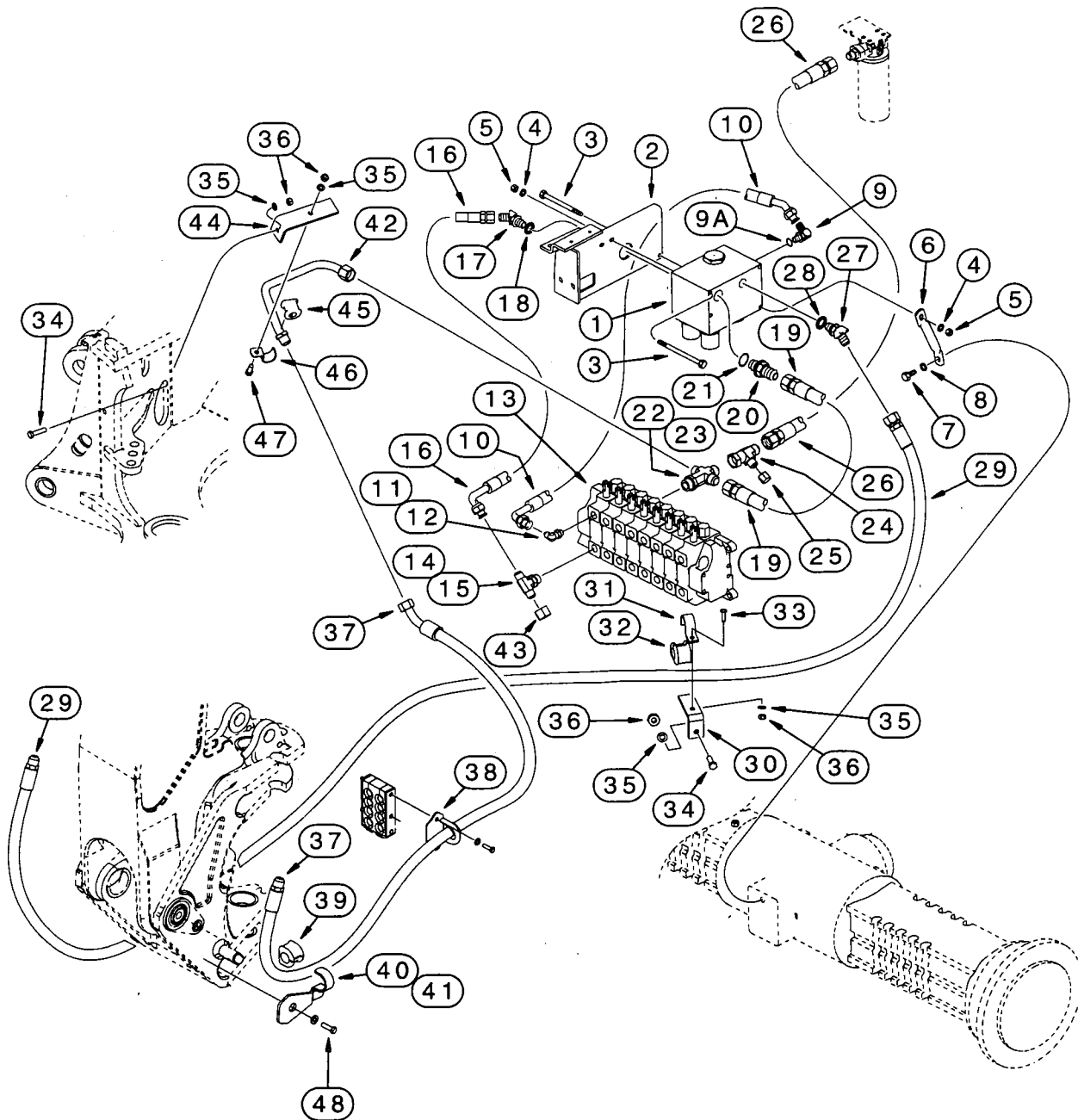
570LXT and 580L Series 2**8-47**

BACKHOE AUXILIARY HYDRAULICS
AUXILIARY AND BACKHOE CONTROL VALVES
TO SWING TOWER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	301132A1	VALVE ASSEMBLY - auxiliary, backhoe, parts list page 8-117B	1
2	300580A1	BRACKET - mounting	1
3	814-10180	BOLT - hex, 10 - 1.5 x 180 mm	2
4	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
5	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	2
6	302641A1	BRACKET - support	1
7	614-18035	BOLT - hex, full threads, 18 - 2.0 x 35 mm	1
8	892-11018	WASHER - lock, 18 mm	1
9	218-5108	ELBOW - 90 degree, 1-1/16-12 inch flare x adj O-ring boss	1
9A	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
10	300905A1	HOSE - 610 mm (24 inch) long, auxiliary valve to upper port of auxiliary section of backhoe control valve	1
11	218-5108	ELBOW - 90 degree, 1-1/16-12 inch flare x adj O-ring boss	1
12	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
13	REF	VALVE ASSEMBLY - backhoe control, 7 or 8 spool with auxiliary hydraulics, for correct assembly and components, see page 8-89 or 8-93	1
14	218-5185	TEE - 1-1/16-12 inch adj O-ring branch x flare x flare	1
15	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
16	300906A1	HOSE - 460 mm (18-1/8 inch) long	1
17	218-5137	ELBOW - 45 degree, 7/8-14 inch flare x adj O-ring boss	1
18	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
19	300907A1	HOSE - 720 mm (28-3/8 inch) long, return	1
20	218-5069	ADAPTER - straight, 1-5/16-12 inch flare x O-ring boss	1
21	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
22	302097A1	CROSS - special	1
23	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
24	218-5490	TEE - 7/8-14 flare branch x 1-5/16-12 inch flare x swivel	1
25	218-756	CAP - hex, if used, not required on models with hand held auxiliary hydraulics	1
26	293269A1	HOSE - 755 mm (29-3/4 inch) long, main return	1
27	218-5138	ELBOW - 45 degree, 1-1/16-12 inch flare x adj O-ring boss	1
28	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
29	302472A1	HOSE - 2603 mm (102-1/2 inch) long, includes hose guard and (2) banded clamps, pressure port	1
30	256412A1	BRACKET - mounting	1
31	144479A1	CLAMP - isolation	1
32	144477A1	INSULATOR - rubber	1
33	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	1
34	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	2
35	892-11010	WASHER - lock, 10 mm	4
36	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	4

NOTE: For a continuation of the backhoe auxiliary hydraulics at boom and dipper, see page 8-51. For backhoe auxiliary hydraulics control lever see page 9-43 and page 9-25 for backhoe control tower cover used with auxiliary hydraulics. Electric foot control switch is on page 4-51.

Continued on next page

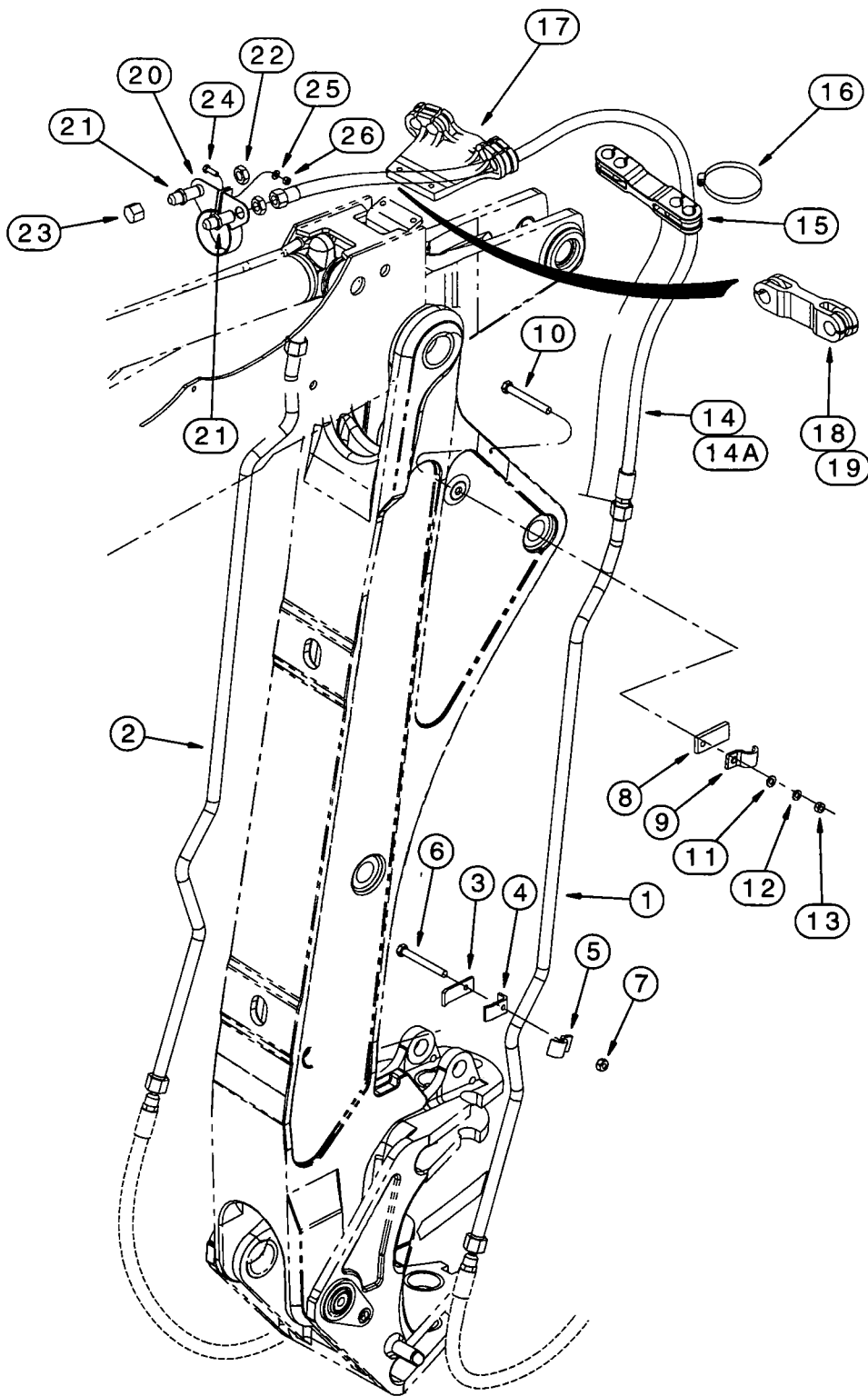


570LXT and 580L Series 2**8-49****BACKHOE AUXILIARY HYDRAULICS
AUXILIARY AND BACKHOE CONTROL VALVES
TO SWING TOWER**

REF.	PART NO.	DESCRIPTION	REQ'D.
37	253740A1	HOSE - 1760 mm (69-5/16 inch) long, includes hose guard and (2) banded clamps, lower port of backhoe control valve auxiliary section to left-hand side of dipper	1
38	252737A1	CLAMP - auxiliary hose, at pivot block	2
39	144477A1	INSULATOR - rubber, at swing tower	2
40	294781A1	CLAMP - hose, left-hand, at swing tower	1
41	294838A1	CLAMP - hose, right-hand, at swing tower	1
42	300939A1	TUBE - low pressure return	1
43	218-335	CAP - hex, 1-1/16-12 inch	1
44	282842A1	BRACKET - mounting, tube	1
45	D74182	INSULATOR - tube	1
46	D143411	CLAMP - P-type, 3/4 inch ID	1
47	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
48	604-20045	BOLT - hex, self-locking, 20 - 2.5 x 45 mm	2

NOTE: For a continuation of the backhoe auxiliary hydraulics at boom and dipper, see page 8-51. For backhoe auxiliary hydraulics control lever see page 9-43 and page 9-25 for backhoe control tower cover used with auxiliary hydraulics. Electric foot control switch is on page 4-51.

8-50

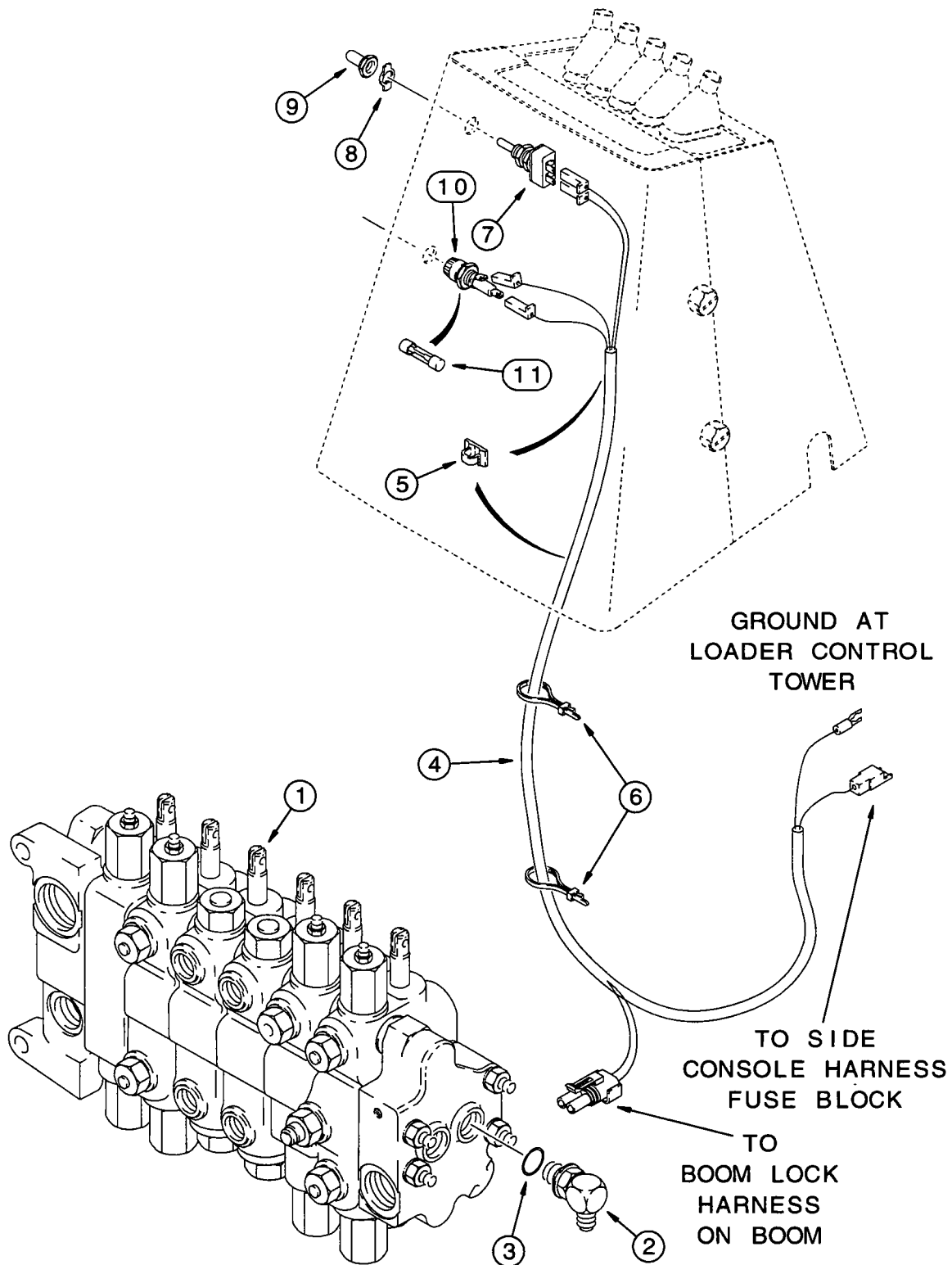


570LXT and 580L Series 2
8-51
**BACKHOE AUXILIARY HYDRAULICS
AT BOOM AND DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	*243404A1	TUBE - on boom, left-hand side	1
2	*243300A1	TUBE - on boom, right-hand side	1
3	D149309	CLAMP - tube	2
4	243298A1	CLAMP - tube	2
5	242459A1	CLAMP - tube	2
6	814-10060	BOLT - hex, 10 - 1.5 x 60 mm	2
7	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	2
8	243398A1	PLATE - clamp.	2
9	242459A1	CLAMP - tube	2
10	814-10050	BOLT - hex, 10 - 1.5 x 50 mm, not required with standard dipper.	2
11	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
12	892-11010	WASHER - lock, 10 mm	2
13	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	2
14	243679A1	HOSE - 2625 mm (103-3/8 inch) long, includes hose guard and (2) banded clamps, models with extendable dipper	2
14A	256210A1	HOSE - 1325 mm (52-3/16 inch) long, includes hose guard and (2) banded clamps, models without extendable dipper.	2
15	246158A1	SUPPORT - hose, models with extendable dipper	1
16	214-3156	CLAMP - adj, 2-3/4 - 3-5/8 inch dia, models with extendable dipper.	4
17	246151A1	SUPPORT - hose, models with extendable dipper	1
18	103670A1	CLAMP - rubber.	1
19	214-3132	CLAMP - adj, 1-1/4 - 2-1/8 inch dia	2
20	243415A1	CLAMP - quick coupler	1
21	218-676	ADAPTER - straight, 1-1/16-12 inch flare x bulkhead flare	2
22	218-1256	NUT - hex, lock, bulkhead, 1-1/16 inch NF	2
23	218-335	CAP - hex, 1-1/16-12 inch	2
24	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	1
25	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	1
26	832-10410	NUT - hex, self-locking, 10 mm - 1.5	1

*** NOTE:** Left-hand and right-hand are designated from sitting in the operator's seat facing the backhoe.

NOTE: For a continuation of the backhoe auxiliary hydraulics at the auxiliary and backhoe control valves, see pages 8-47 and 8-49. For backhoe auxiliary hydraulics control lever see page 9-43 and page 9-25 for backhoe control tower cover used with auxiliary hydraulics. Electric foot control switch is on page 4-51.



570LXT and 580L Series 2

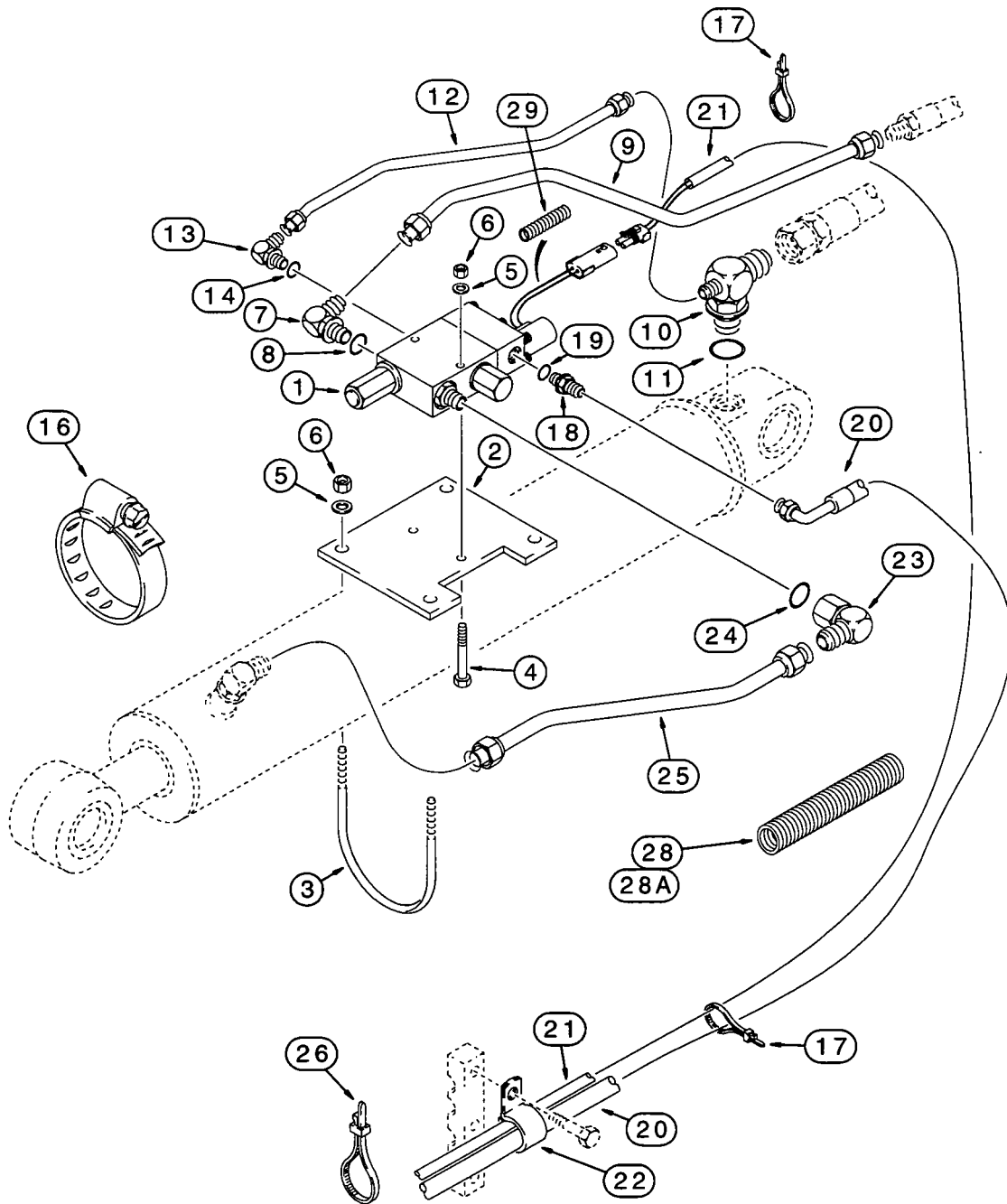
8-53

**BACKHOE BOOM LOCK HYDRAULIC
AND ELECTRICAL CIRCUIT
AT CONTROL TOWER AND BACKHOE VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	190544A1	KIT - backhoe boom lock, also includes parts on page 8-55, L111356 decal on page 9-183 and an instruction sheet, order components separately and 7-50120 instruction sheet	1
1	* REF	VALVE ASSEMBLY - backhoe control, for correct assembly and components, see pages 8-87 - 8-93, for valve mounting see page 8-23	1
2	189414A1	ELBOW - 90 degree, adjustable, see page 8-55 for attaching hose	1
3	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
4	189601A1	HARNESS - boom lock, at control tower to fuse block on side console harness	1
5	L100659	CLIP - harness	2
6	L18337	STRAP - tie, 15 inch.	2
7	D67251	SWITCH - toggle, boom lock	1
8	L105735	PLATE - trim.	1
9	L101998	BOOT - toggle switch	1
10	376852R91	HOLDER - fuse, includes cap, at backhoe control tower	1
11	223-26	FUSE - 3AG, 5 ampere, boom lock	1

NOTE: See page 8-55 for continuation of backhoe boom lock hydraulic and electrical circuit.

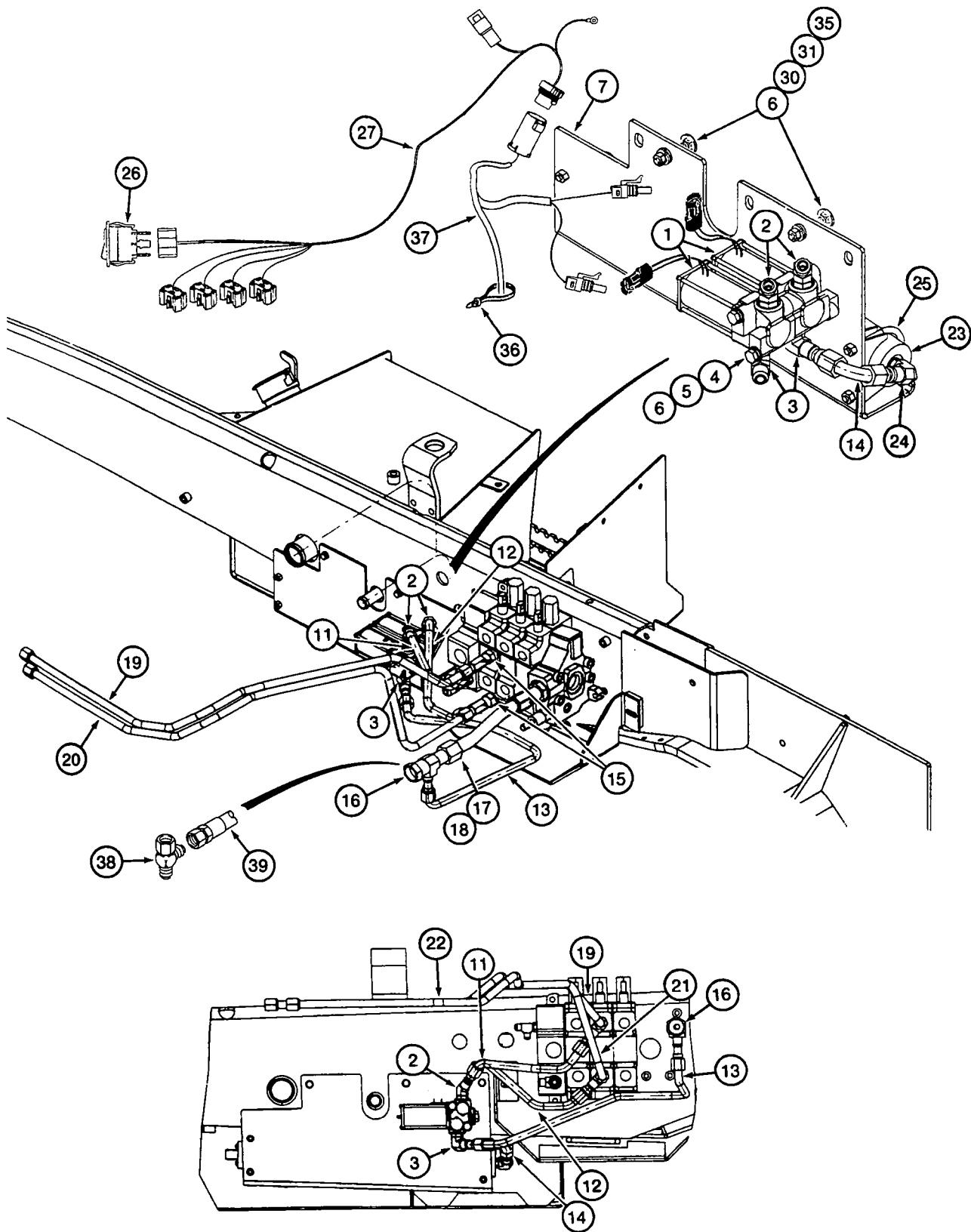
*** NOTE:** Not included in 190544A1 kit, purchase separately.



570LXT and 580L Series 2**8-55**

BACKHOE BOOM LOCK HYDRAULIC AND ELECTRICAL CIRCUIT AT BOOM CYLINDER

REF.	PART NO.	DESCRIPTION	REQ'D.
	190544A1	KIT - backhoe boom lock, continued from previous page, order components	1
1	189957A1	VALVE ASSEMBLY - solenoid, backhoe boom lock, includes (2) 321-6046 warning decals, parts list page 8-119.	1
2	D150054	PLATE - valve mounting.	1
3	D150053	U-BOLT - 3/8 inch	2
4	413-648	BOLT - hex, 3/8 NC x 3 inch	2
5	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch	6
6	231-1446	NUT - hex, self-locking, 3/8 inch NC	6
7	218-5118	ELBOW - 90 degree, 1-1/16-12 flare x 1-5/16-12 inch adj O-ring boss	1
8	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
9	191756A1	TUBE - valve port, attaches to item 11 hose on page 8-25	1
10	191063A1	TEE - reducer, boom cylinder closed end, attaches to item 18 hose on page 8-25	1
11	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
12	191790A1	TUBE - pilot port.	1
13	218-5283	ELBOW - 90 degree, 7/16-20 flare x 9/16-18 inch adj O-ring boss	1
14	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
16	214-31104	CLAMP - adj, 5-3/4 - 6-5/8 inch dia	1
17	L18337	STRAP - tie, 15 inch.	7
18	218-5359	ADAPTER - straight, 7/16-20 flare x 3/4-16 inch O-ring boss	1
19	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
20	189103A1	HOSE - 3700 mm (145-11/16 inch) long, return, attaches to elbow at backhoe valve, see item 2 on page 8-53	1
21	189263A1	HARNESS - boom lock valve to control tower harness	1
22	515-25190	CLAMP - P-type, 3/4 inch ID, return hose	1
23	218-5382	ELBOW - 90 degree, 1-1/16-12 flare x 1-5/16-12 inch swivel	1
24	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
25	187612A1	TUBE - boom lock valve to boom cylinder rod end, see page 8-25, item 22 for elbow	1
26	D147773	STRAP - tie	1
28	220276A1	SLEEVE - hose guard, 610 mm long, item 20 hose and item 21 harness at swing tower.	1
28A	220275A1	SLEEVE - hose guard, 250 mm long, item 20 hose and item 21 harness on boom	1
29	D121385	GUARD - harness protection	1



570LXT and 580L Series 2

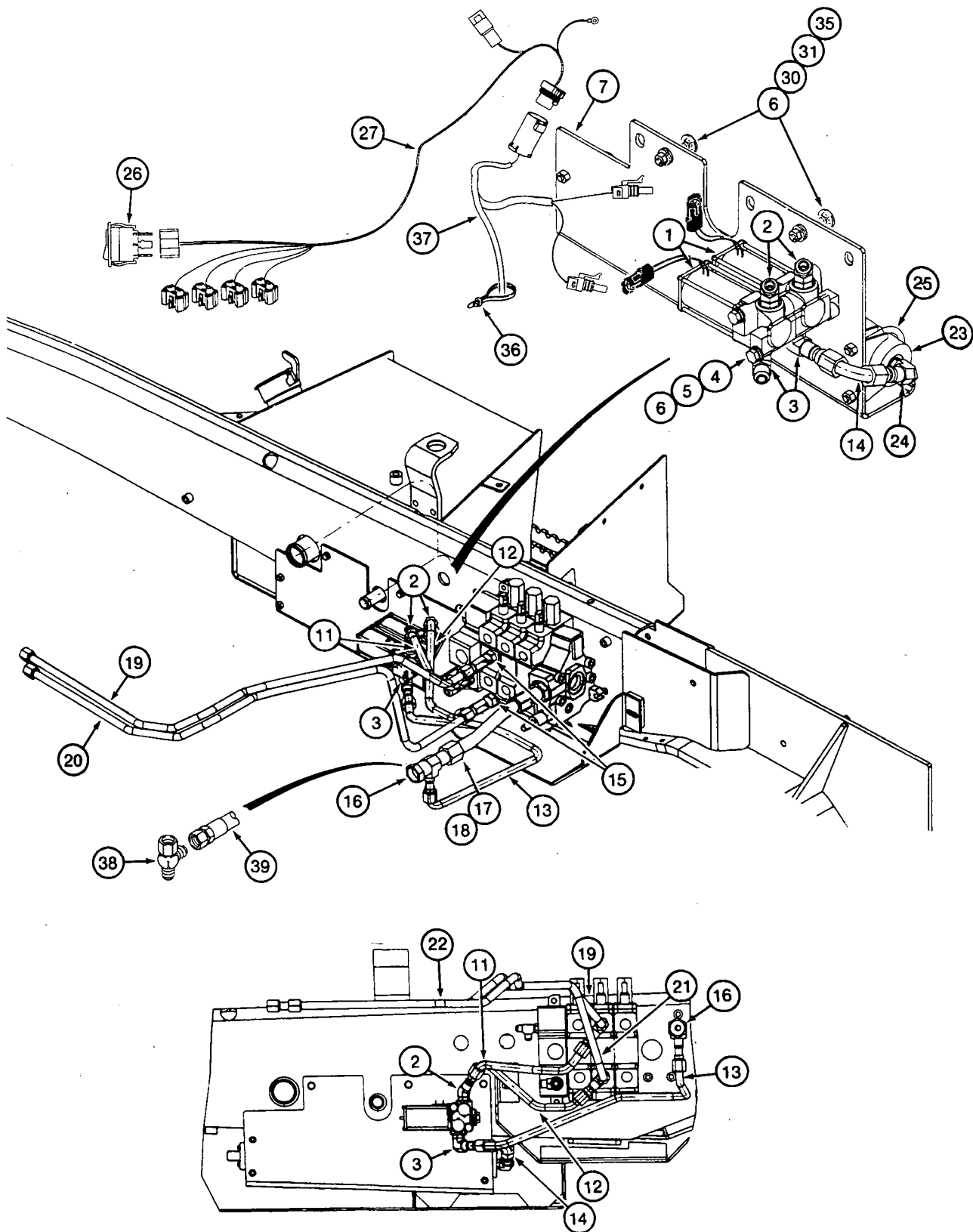
RIDE CONTROL HYDRAULIC AND ELECTRICAL CIRCUIT

8-57

REF.	PART NO.	DESCRIPTION	REQ'D.
1	297977A2	VALVE ASSEMBLY - solenoid, two-way, ride control, dual (includes two valves)	1
	313310A1	KIT - seal, includes (4) O-rings which are not serviced separately (one kit per valve)	2
	313311A1	KIT - repair, includes (1) poppet, (2) springs, (1) guide tube and case assembly and 237896A1 coil which are not serviced separately (one kit per valve)	2
	237896A1	COIL - solenoid	1
2	218-5145	ELBOW - 45 degree, 7/8-14 flare x 3/4-16 inch adj O-ring, upper port of solenoid valves	2
2A	237-6008	O-RING - 41/64 ID x 3/32 inch wide, not shown	1
3	218-5117	ELBOW - 90 degree, 7/8-14 flare x 3/4-16 inch adj O-ring boss, lower port of solenoid valves	2
3A	237-6008	O-RING - 41/64 ID x 3/32 inch wide, not shown	1
4	814-10140	BOLT - hex, 10 - 1.5 x 140 mm	2
5	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
6	892-11010	WASHER - lock, 10 mm	4
7	240693A2	PLATE - mounting, two-way solenoid valve	1
11	240709A4	TUBE - left-hand solenoid valve upper port to tee at loader control valve lift section upper port	1
12	240711A4	TUBE - right-hand solenoid valve upper port to tee at loader control valve lift section lower port.	1
13	240706A2	TUBE - left-hand solenoid valve lower port to tee at filter, models with ride control but without hydraulic tool quick coupler, see Ref 39 for models with both	1
14	240703A2	TUBE - accumulator to right-hand solenoid valve lower port.	1
15	218-5220	TEE - swivel, 7/8-14 inch flare branch x flare x swivel, attaches to tees at loader control valve lift section, see page 8-11 for tee at lift section upper and lower ports	2
16	218-5490	TEE - 7/8-14 flare branch x 1-5/16-12 inch flare x swivel, attaches to existing tee at filter (Ref 35, page 8-5).	1
17	230078A2	HOSE - 415 mm (16-3/8 inch) long, 570LXT models with three point hitch and without ride control; 580L models with ride control, replaces existing hose from loader valve to filter (Ref 34, page 8-5)	1
18	238565A2	HOSE - 383 mm (15-1/8 inch) long, 570LXT models without three point hitch and with ride control, replaces existing hose from loader valve to filter (Ref 34, page 8-5)	1
19	230072A1	TUBE - replaces existing tube (page 8-11) at loader valve upper lift port to left-hand loader lift cylinder rod end.	1
20	230073A1	TUBE - replaces existing tube (page 8-11) at loader valve lower lift port to left-hand loader lift cylinder closed end	1

Continued on next page

8-58

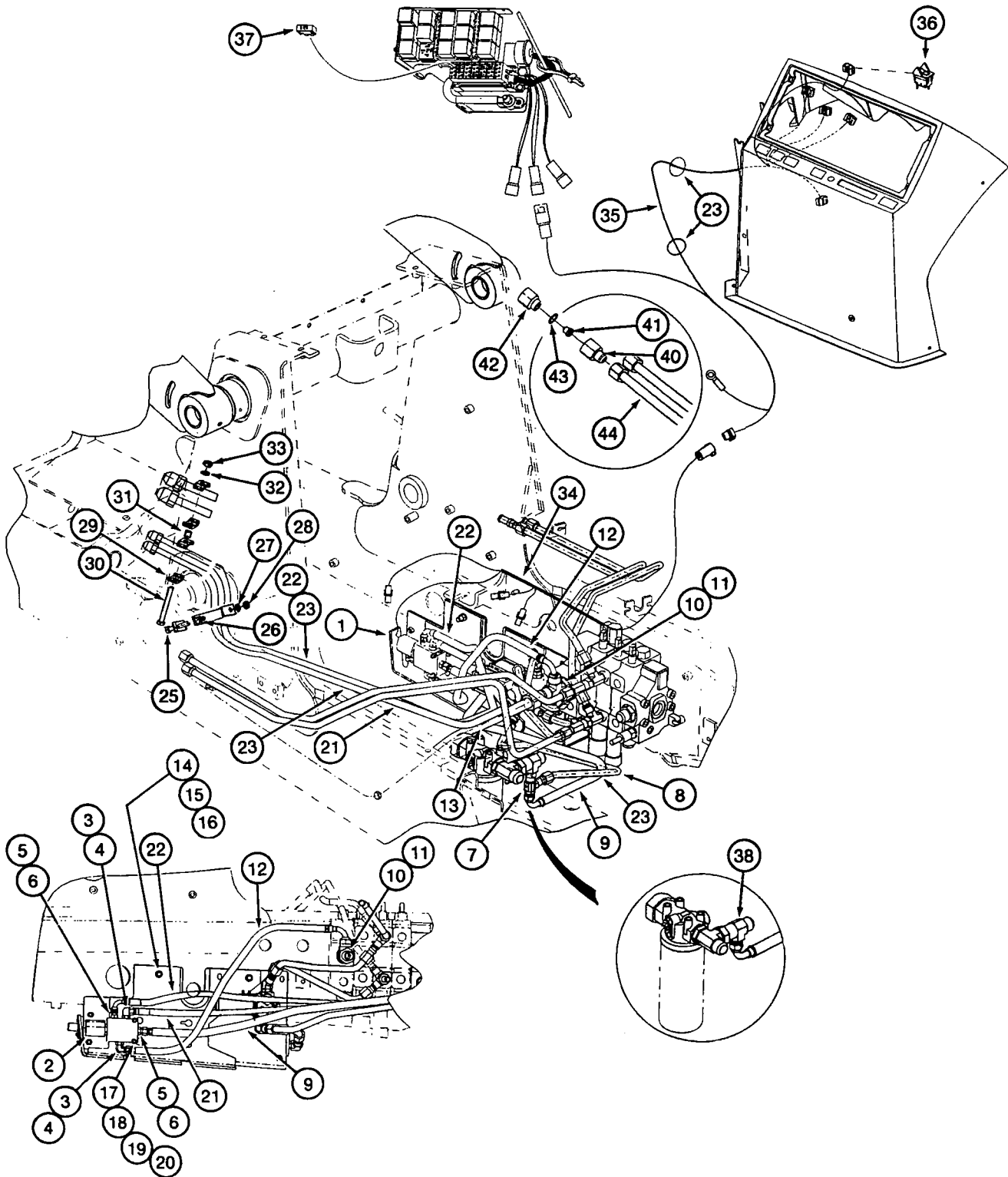


570LXT and 580L Series 2

RIDE CONTROL HYDRAULIC AND ELECTRICAL CIRCUIT

8-59

REF.	PART NO.	DESCRIPTION	REQ'D.
23	234412A1	ACCUMULATOR ASSEMBLY - hydraulic, ride control, parts list page 8-135	1
24	218-5600	ELBOW - 90 degree, 7/8-14 flare x 3/4-16 inch adj O-ring boss	1
24A	237-6008	O-RING - 41/64 ID x 3/32 inch wide, not shown	1
25	A13240	CLAMP - two piece, includes hardware.	2
26	235002A1	SWITCH - ride control, mounts in side instrument panel console	1
27	296508A2	HARNESS - side console options, ride control switch to chassis options harness and fuse block	1
30	711-10030	BOLT - carriage, 10 - 1.5 x 30 mm	2
31	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	2
32	121413A1	FUSE - mini, 15 ampere, not shown	1
33	255927A1	DECAL - Warning, do not turn the ride control on, if the loader arms and bucket are holding the front of the machine off the ground, mounts on console by ride control switch, not shown, see page 9-183 for decal	1
34	256318A1	DECAL - Warning, pressure accumulator in loader hydraulic system, mounts on accumulator mounting plate, not shown, see page 9-183 for decal	1
35	895-15010	WASHER - flat, 11 x 24 x 2 mm	2
36	L18337	STRAP - tie, 15 inch	2
37	302803A2	HARNESS - chassis options, connects to side console options harness, replaces 302803A1 harness	1
38	218-5220	TEE - swivel, 7/8-14 inch flare branch x flare x swivel, models with both ride control and hydraulic tool quick coupler	1
39	293037A1	TUBE - left-hand solenoid valve lower port to tee at filter, models with both ride control and hydraulic tool quick coupler	1

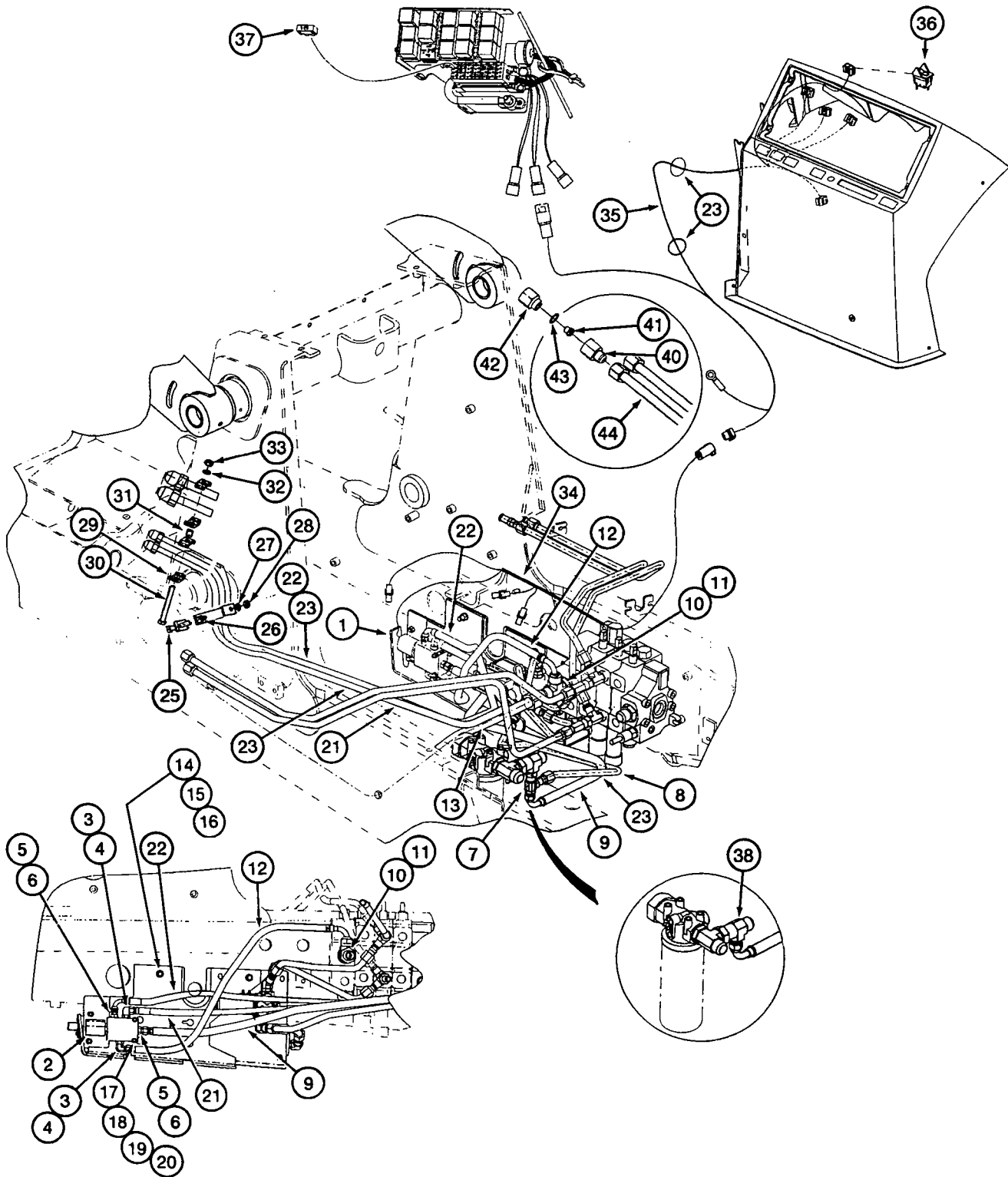


570LXT and 580L Series 2**8-61****LOADER HYDRAULIC TOOL QUICK COUPLER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	259777A3	PLATE - mounting, solenoid valve.	1
2	277320A1	VALVE ASSEMBLY - solenoid, four-way, two position, quick coupler, component parts not serviced separately.	1
3	218-5105	ELBOW - 90 degree, 9/16-18 inch flare x adj O-ring boss.	2
4	237-6006	O-RING - 15/32 ID x 5/64 inch wide.	1
5	218-5057	ADAPTER - straight, 9/16-18 inch flare x O-ring boss.	2
6	237-6006	O-RING - 15/32 ID x 5/64 inch wide.	1
7	218-5220	TEE - swivel, 7/8-14 inch flare branch x flare x swivel, used only on models with both ride control and hydraulic tool quick coupler.	1
8	293037A1	TUBE - left-hand ride control solenoid valve to tee at filter, replaces Ref 13 on page 8-57 on models with both ride control and hydraulic tool quick coupler.	1
9	292528A1	HOSE - 1220 mm (48-1/32 inch) long, return, filter to quick coupler solenoid valve.	1
10	218-5577	TEE - 3/4-16 flare branch x 1-5/16-12 flare x adj O-ring, at inlet section upper port of loader control valve.	1
11	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide.	1
12	276962A1	HOSE - 810 mm (31-29/32 inch) long, quick coupler solenoid valve lower port to tee at inlet section of loader control valve.	1
13	292436A1	TUBE - tee at loader valve inlet upper port to large pump section.	1
14	711-10040	BOLT - carriage, 10 - 1.5 x 40 mm.	2
15	892-11010	WASHER - lock, 10 mm.	2
16	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	2
17	711-6050	BOLT - carriage, 6 - 1.0 x 50 mm.	2
18	895-11006	WASHER - flat, 6.6 x 12 x 1.6 mm.	2
19	892-11006	WASHER - lock, 6 mm.	2
20	829-1406	NUT - hex, 6 mm - 1.0, class 10.	2
21	301008A2	HOSE - 2677 mm (105-13/32 inch) long, includes hose guard, (2) banded clamps and white tie strap, quick coupler solenoid valve to loader lift frame.	1
22	301009A2	HOSE - 2677 mm (105-13/32 inch) long, includes hose guard and (2) banded clamps, quick coupler solenoid valve to loader lift frame.	1
23	L18337	STRAP - tie, 15 inch.	14
24	D138055	CLAMP - tube.	1
25	828-10060	BOLT - hex, 10 - 1.5 x 60 mm, class 10.9.	1
26	120303A1	SPACER - clamp.	1
27	892-11010	WASHER - lock, 10 mm.	1
28	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	1

NOTE: Also uses loader bucket tube clamping (Ref 19-23, page 8-13) and 139235A1 right-hand bucket cylinder link and D121194 bucket position pointer (Ref 13 and 6, page 9-13).

Continued on next page

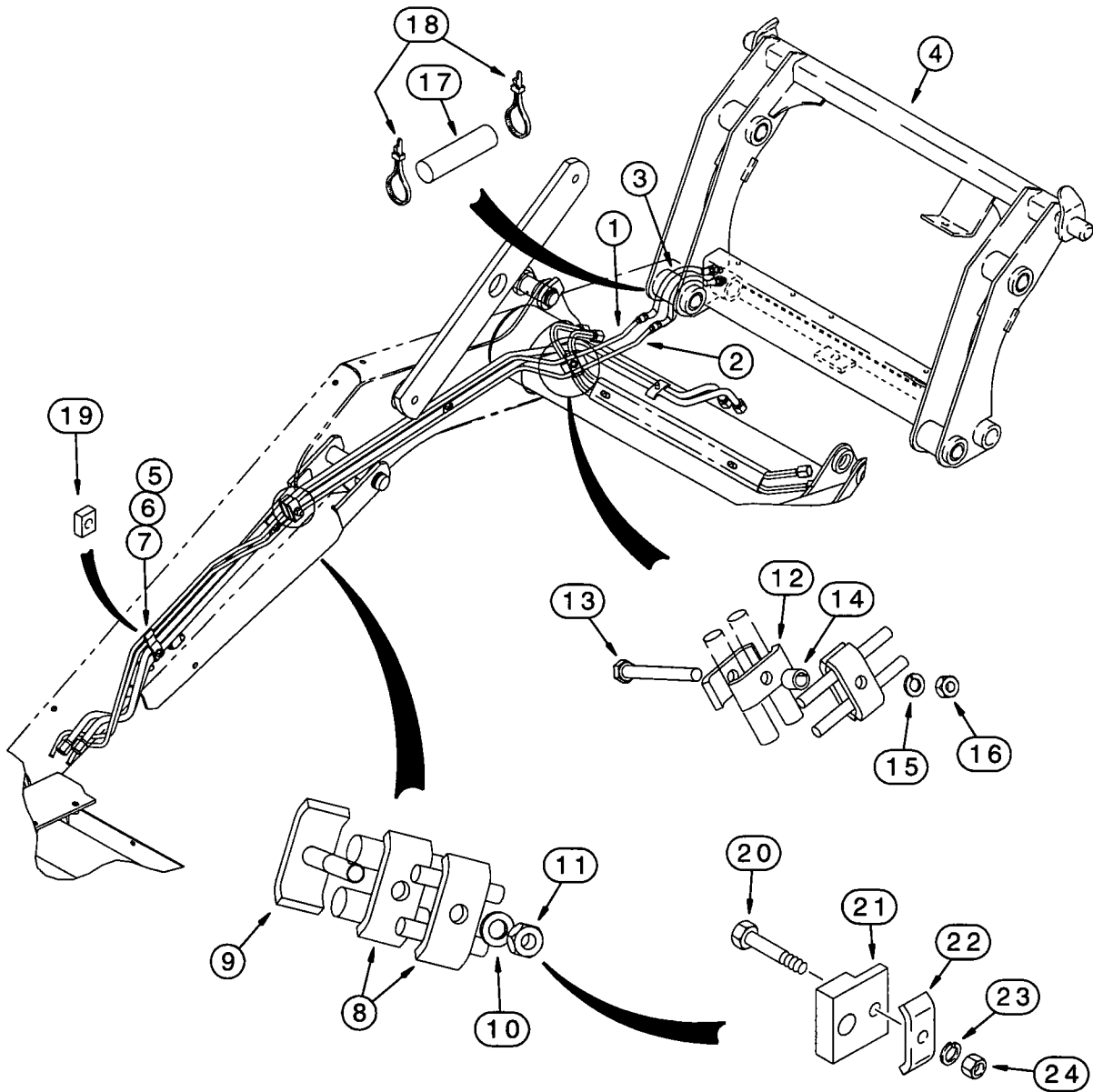


570LXT and 580L Series 2**8-63****LOADER HYDRAULIC TOOL QUICK COUPLER**

REF.	PART NO.	DESCRIPTION	REQ'D.
29	D138055	CLAMP - tube	4
30	828-10090	BOLT - hex, 10 - 1.5 x 90 mm, class 10.9	1
31	120303A1	SPACER - clamp, 381 mm (15 inch) long	1
32	892-11010	WASHER - lock, 10 mm	1
33	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
34	302803A2	HARNESS - chassis options, connects to side console options harness, replaces 302803A1 harness	1
35	296508A2	HARNESS - side console options, connects to chassis options harness and fuse block	1
36	275488A2	SWITCH - rocker, yellow rocker and amber lens, quick coupler	1
37	121413A1	FUSE - mini, 15 ampere	1
38	218-5490	TEE - 7/8-14 flare branch x 1-5/16-12 inch flare x swivel, models without ride control	1
40	304424A1	CONNECTOR - straight.	1
41	*304890A1	RESTRICTOR - check.	1
42	309674A1	ADAPTER - straight, 7/8-14 inch male x female	1
43	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
44	309673A1	TUBE - loader arm, bucket port A to closed end of right-hand bucket cylinder	1

***NOTE:** Install restrictor on inner most dump cylinder tube, connects to closed end of cylinder.

8-64

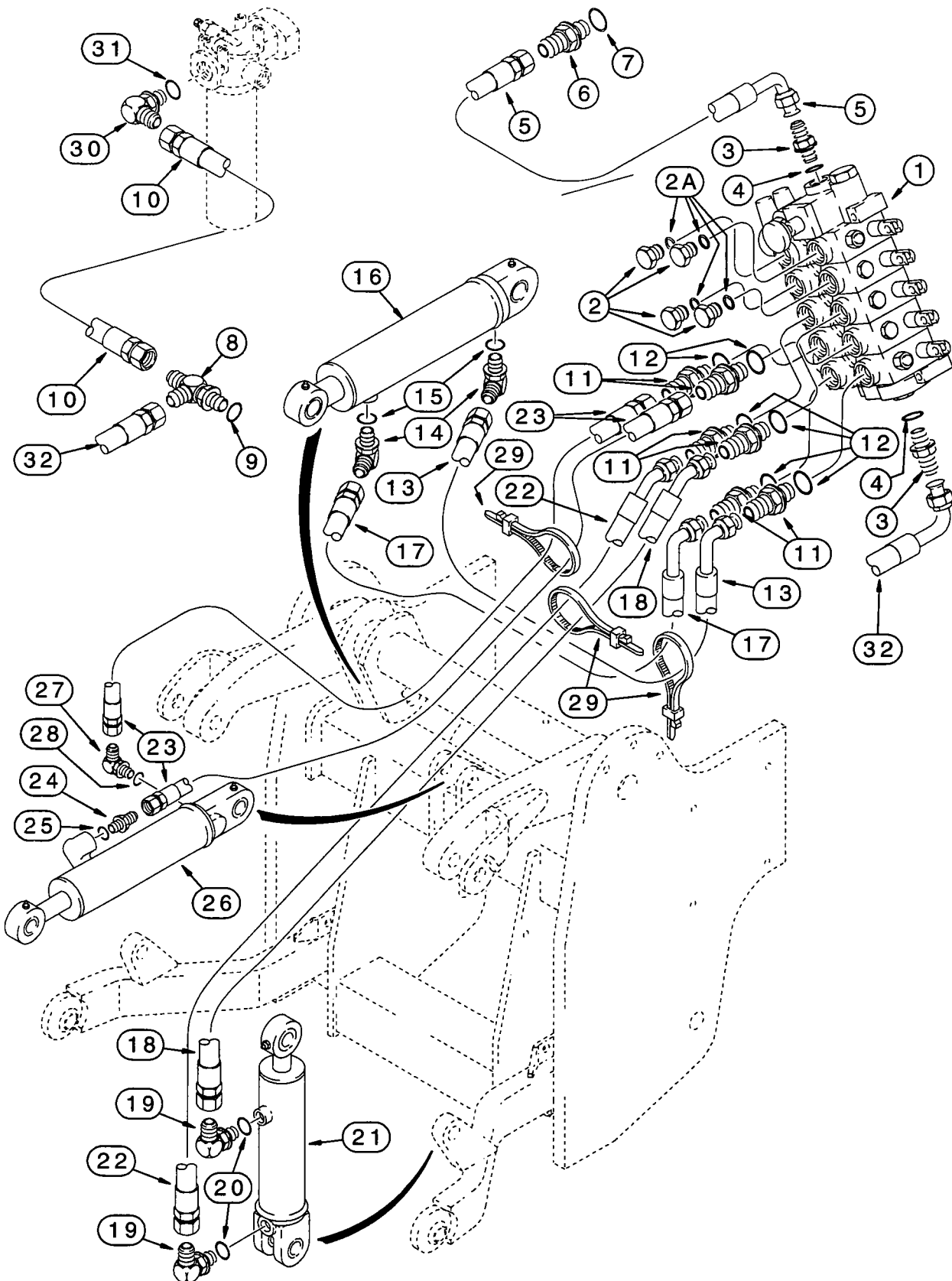


570LXT and 580L Series 2**8-65****LOADER HYDRAULIC TOOL QUICK COUPLER
AT LOADER LIFT FRAME**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	304572A1	TUBE - loader lift frame to tool quick coupler frame	1
2	304574A1	TUBE - loader lift frame to tool quick coupler frame	1
3	300996A2	HOSE - 812 mm (32 inch) long, at tool quick coupler frame	2
4	292969A2	COUPLER - quick, tool, loader, hydraulic, for complete assembly see parts list page 9-23, order from Machinery Price List, use standard loader bucket pins to mount coupler	1
5	302820A1	CLAMP - extension	1
6	892-11010	WASHER - lock, 10 mm	1
7	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
8	D138055	CLAMP - tube	2
9	302821A1	CLAMP - stud	1
10	892-11010	WASHER - lock, 10 mm	1
11	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
12	D138055	CLAMP - tube	4
13	814-10090	BOLT - hex, 10 - 1.5 x 90 mm	1
14	120303A1	SPACER - clamp, 381 mm (15 inch) long	1
15	892-11010	WASHER - lock, 10 mm	1
16	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
17	307277A1	SLEEVE - hose guard	1
18	L18337	STRAP - tie, 15 inch	2
19	*303804A1	BLOCK - spacer, if used	1
20	*627-10035	BOLT - hex, full threads, 10 - 1.5 x 35 mm, class 10.9	1
21	*303806A1	BLOCK - spacer.	1
22	*D138055	CLAMP - tube	1
23	*892-11010	WASHER - lock, 10 mm	1
24	*829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1

NOTE: Also uses loader bucket tube clamping (Ref 19-23, page 8-13) and 139235A1 right-hand bucket cylinder link and D121194 bucket position pointer (Ref 13 and 6, page 9-13).

***NOTE:** Replaces loader auxiliary hydraulic tubes on models without loader auxiliary hydraulics (clam bucket), if used.

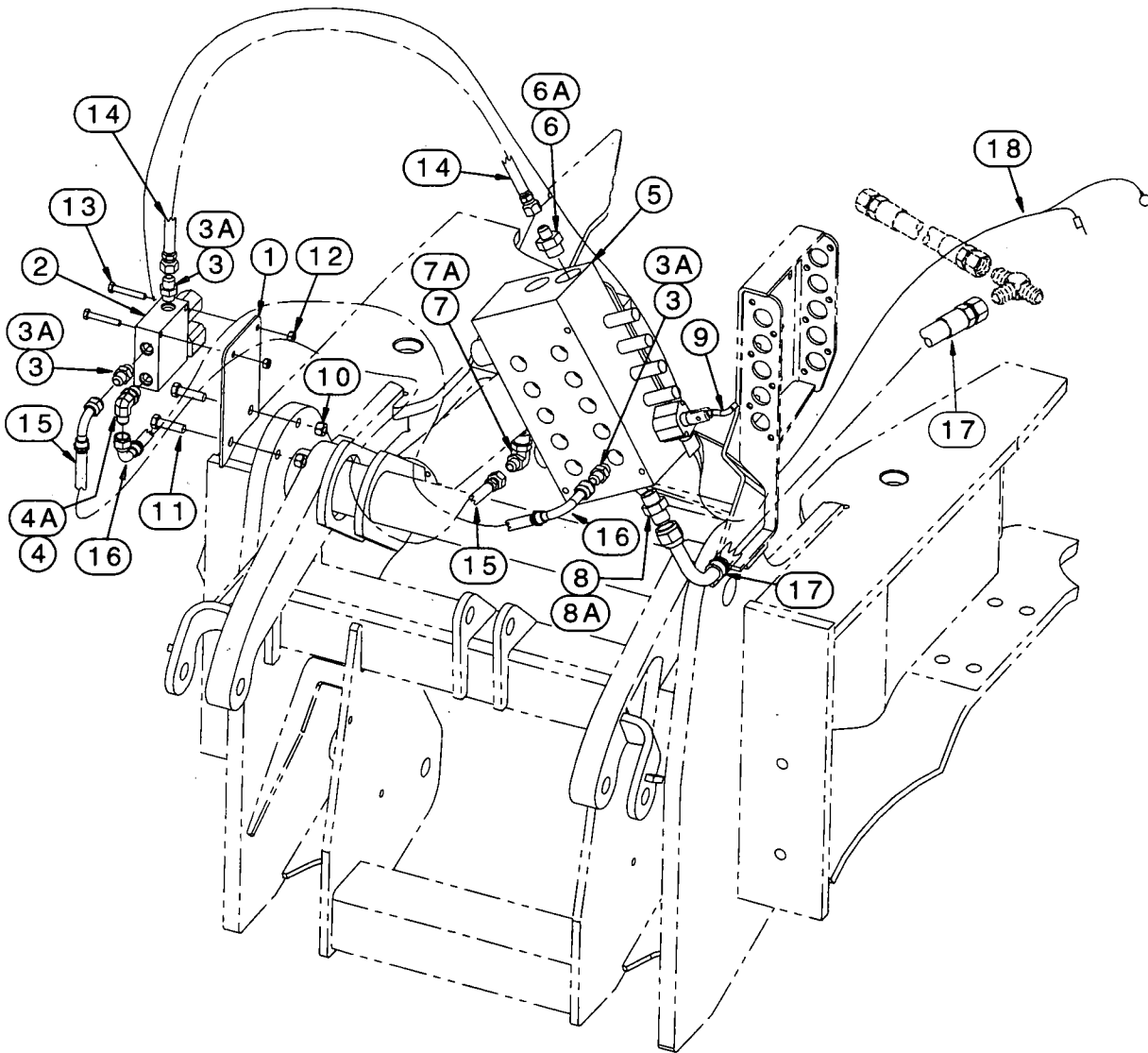


570LXT and 580L Series 2**8-67**

THREE-POINT HITCH CYLINDER HYDRAULIC CIRCUIT
(RETURN LINE AT BOTTOM OF HITCH VALVE)

REF.	PART NO.	DESCRIPTION	REQ'D.
1	142252A2	VALVE ASSEMBLY - three-point hitch control, parts list page 8-121, see page 9-79 for valve mounting	1
2	218-5156	PLUG - hex, 3/4-16 inch O-ring boss.	4
2A	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
3	218-5064	ADAPTER - straight, 1-1/16-12 inch flare x O-ring boss	2
4	237-6012	O-RING - 59/64 ID x 7/64 inch wide.	1
5	181504A1	HOSE - 1575 mm (62 inch) long, includes hose guard, loader control valve power beyond port to three-point hitch control valve inlet port.	1
6	218-5069	ADAPTER - straight, 1-5/16-12 inch flare x O-ring boss, at loader control valve power beyond port	1
7	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
8	218-5245	TEE - 1-5/16-12 inch flare branch x flare x adj O-ring boss.	1
9	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
10	236116A1	HOSE - 430 mm (16-15/16 inch) long, loader valve to filter, see page 8-9 for tee, now tee attaches to return port on loader valve	1
11	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss.	6
12	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
13	181499A1	HOSE - 950 mm (37-13/32 inch) long, includes hose guard, upper port of lift section to closed end of lift cylinder	1
14	218-5121	ELBOW - 90 degree, 3/4-16 flare x 7/8-14 inch adj O-ring boss, lift cylinder	2
15	237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
16	REF	CYLINDER ASSEMBLY - 76 (3) ID x 207 mm (8-5/32 inch) stroke, lift, parts list page 8-157 or 8-157B	1
17	181498A1	HOSE - 635 mm (25 inch) long, includes hose guard, lower port of lift section to rod end of lift cylinder	1
18	181501A1	HOSE - 925 mm (36-7/16 inch) long, upper port tilt section to rod end of tilt cylinder	1
19	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss, tilt cylinder	2
20	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
21	137912A1	CYLINDER ASSEMBLY - 64 (2-1/2) ID x 160 mm (6-19/64 inch) stroke, tilt, parts list page 8-159.	1
22	181500A1	HOSE - 1205 mm (47-7/16 inch) long, tilt cylinder closed end to tilt section lower port.	1
23	181502A1	HOSE - 755 mm (29-3/4 inch) long, upper and lower pitch section ports to rod and closed end of pitch cylinder	2
24	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss, pitch cylinder rod end.	1
25	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
26	138235A1	CYLINDER ASSEMBLY - 64 (2-1/2) ID x 178 mm (7 inch) stroke, pitch, parts list page 8-161	1
27	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss, pitch cylinder closed end	1
28	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
29	L18337	STRAP - tie, 15 inch	6
30	218-5110	ELBOW - 90 degree, 1-5/16-12 inch flare x adj O-ring boss	1
31	237-6016	O-RING - 1-11/64 ID x 7/64 inch wide	1
32	246636A1	HOSE - 960 mm (37-13/16 inch) long, return	1

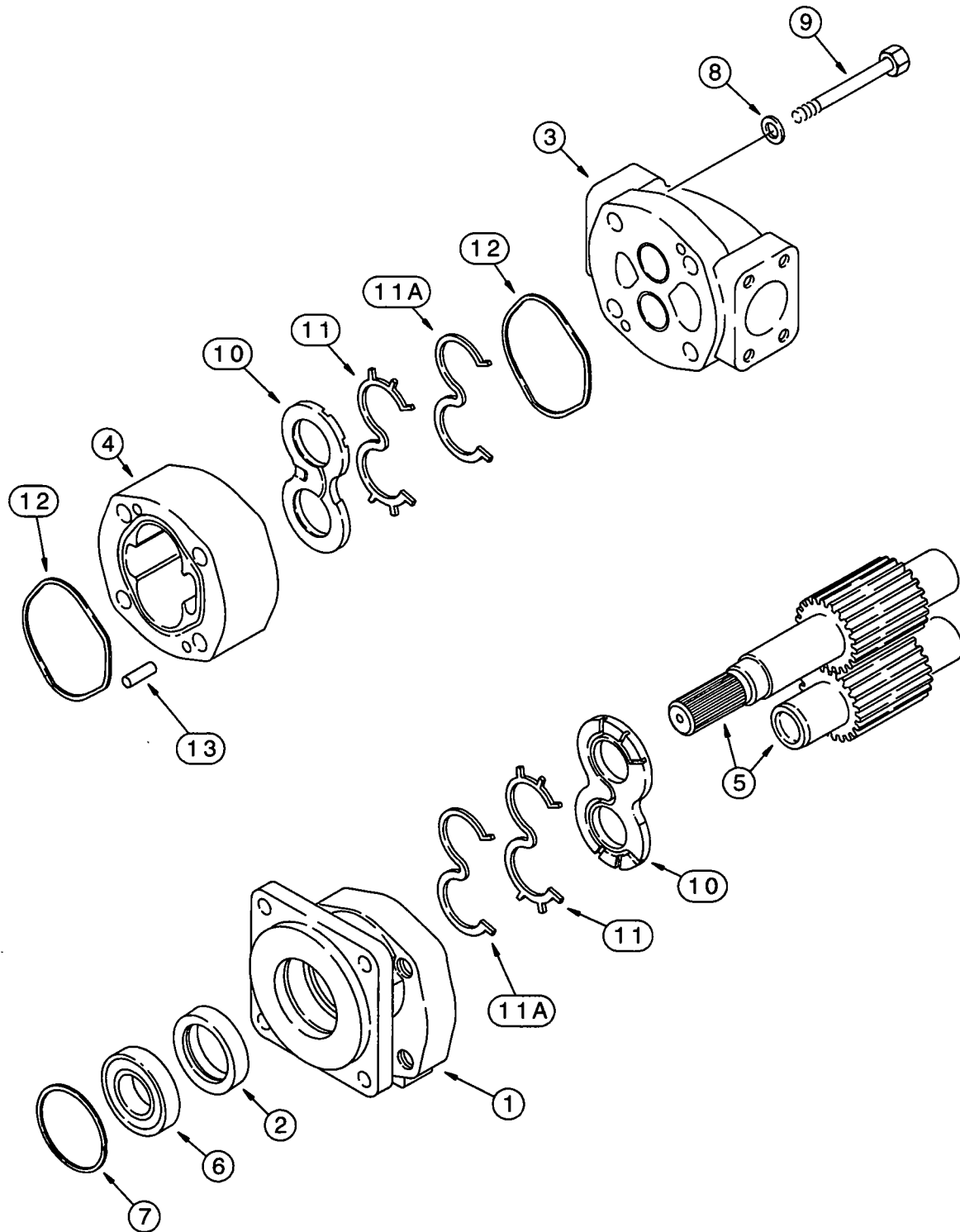
8-67A



570LXT and 580L Series 2**8-67B****THREE-POINT HITCH LOCK VALVE SERVICE KIT**

REF.	PART NO.	DESCRIPTION	REQ'D.
	313917A1	KIT - hitch lock valve, order from Parts and Components	1
1	311592A1	PLATE - valve mounting.	1
2	311588A1	VALVE ASSEMBLY - solenoid, component parts list not available at time of printing	1
3	218-5059	ADAPTER - straight, 3/4-16 inch flare x O-ring boss	3
3A	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
4	218-5106	ELBOW - 90 degree, 3/4-16 inch flare x adj O-ring boss	1
4A	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
5	311585A1	VALVE ASSEMBLY - three-point hitch control, component parts list not available at time of printing.	1
6	218-5070	ADAPTER - straight, 3/4-16 flare x 1-1/16-12 inch O-ring boss	1
6A	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
7	218-5121	ELBOW - 90 degree, 3/4-16 flare x 7/8-14 inch adj O-ring boss	1
7A	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
8	218-5064	ADAPTER - straight, 1-1/16-12 inch flare x O-ring boss	1
8A	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
9	311593A1	ROD - lift control.	1
10	829-1412	NUT - hex, 12 mm - 1.75, class 10.	2
11	614-12040	BOLT - hex, full threads, 12 - 1.75 x 40 mm	2
12	829-1408	NUT - hex, 8 mm - 1.25, class 10.	2
13	814-8050	BOLT - hex, 8 - 1.25 x 50 mm	2
14	311589A1	HOSE - 743 mm (29-1/4 inch) long, solenoid to tank.	1
15	311590A1	HOSE - 1080 mm (42-17/32 inch) long, solenoid to cylinder	1
16	311591A1	HOSE - 953 mm (37-17/32 inch) long, solenoid to valve	1
17	246636A1	HOSE - 960 mm (37-13/16 inch) long, valve to tank	1
18	311596A1	HARNES - three-point hitch lock	1

8-68

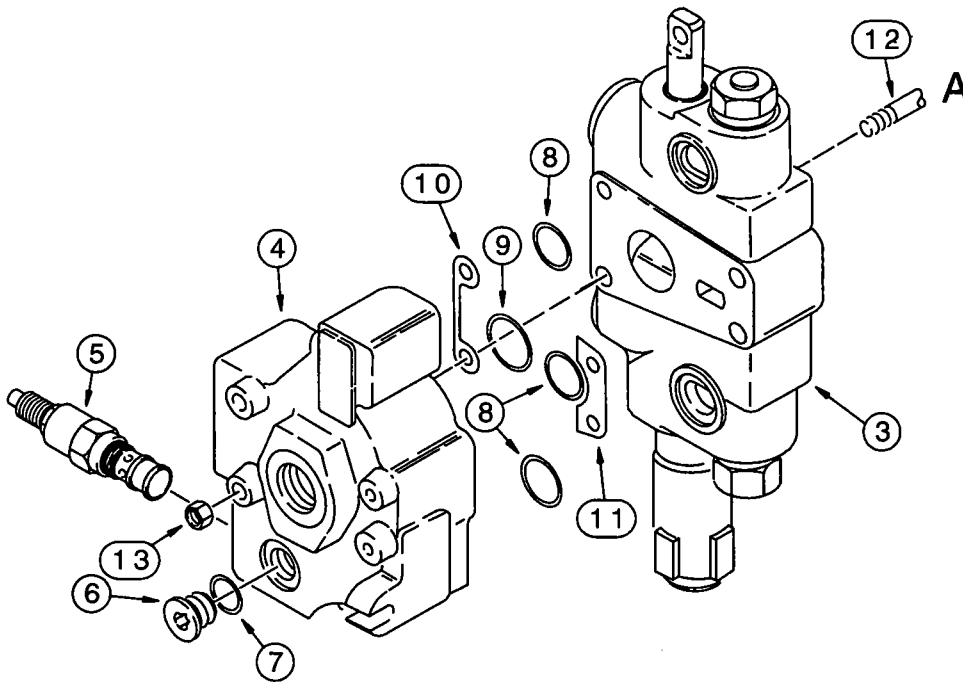
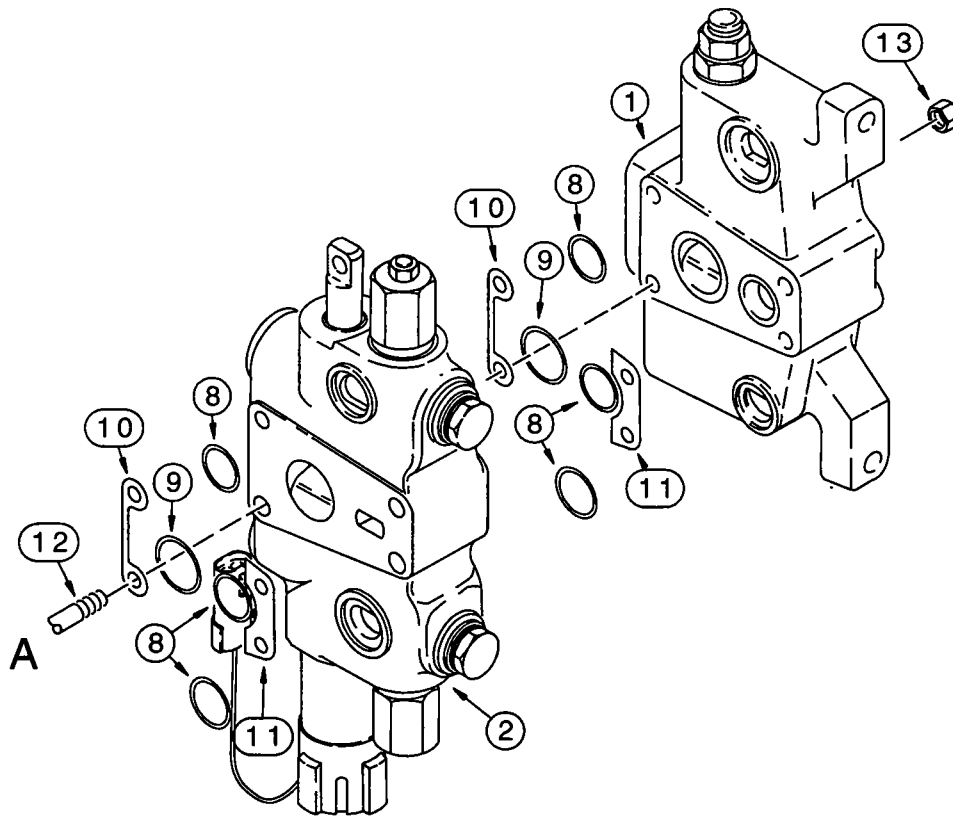


570LXT and 580L Series 2
EQUIPMENT HYDRAULIC PUMP

8-69

REF.	PART NO.	DESCRIPTION	REQ'D.
	257953A1	PUMP ASSEMBLY - hydraulic equipment, 17 teeth shaft gear set, used with 257948A1 flex coupling on page 8-3, without high flow	1
1	NSS	COVER - shaft end	1
2	+L32318	SEAL - shaft	1
3	NSS	COVER - closed end	1
4	NSS	HOUSING - gear, shaft end	1
5	NSS	SET - gear, shaft end, 17 teeth, 1-1/8 inch diameter shaft spline	1
6	S88754	BEARING - ball, sealed	1
7	102-23283	RING - internal spiral retaining, No. 283, retaining, spring lock	1
8	19-488	WASHER - flat	4
9	326-1080	BOLT - hex, 5/8 NC x 5 inch, grade 8	4
10	+111589A1	PLATE - thrust, shaft end	2
11	+293926A1	SEAL - used with 293925A1 backup seal	2
11A	+293925A1	SEAL - backup, used with 293926A1 seal	2
12	+111592A1	SEAL - square ring, 4-31/64 ID x 1/8 inch wide, shaft end	2
13	W16323	PIN - dowel, shaft end	4
	+293923A1	KIT - seal, includes above items marked with a + ...	1

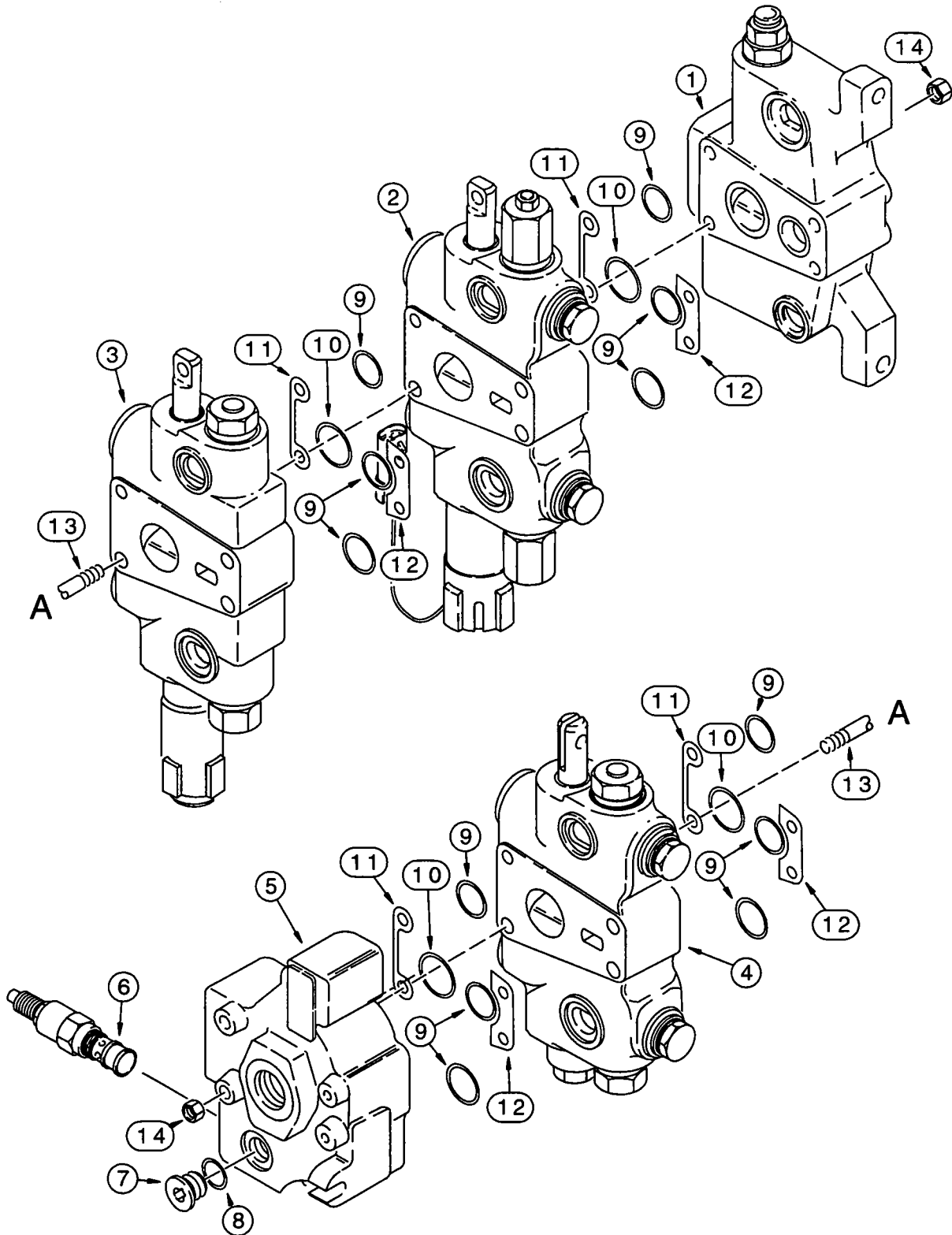
8-70



570LXT and 580L Series 2
LOADER CONTROL VALVE
TWO SPOOL

8-71

REF.	PART NO.	DESCRIPTION	REQ'D.
	302965A1	VALVE ASSEMBLY - control, loader, two spool	1
1	121736A2	SECTION ASSEMBLY - inlet, with pilot relief valve, parts list page 8-75	1
2	302964A1	SECTION ASSEMBLY - bucket, with magnetic detent and circuit relief valve, parts list page 8-77	1
3	113793A4	SECTION ASSEMBLY - lift, with manual detent, parts list page 8-79	1
4	132004A2	SECTION ASSEMBLY - valve, outlet, parts list page 8-81	1
5	129842A2	VALVE ASSEMBLY - main relief, components parts are not serviced separately, for service of external seals order G110098 seal kit	1
6	218-5207	PLUG - hex socket, 7/16-20 inch O-ring boss, outlet section diagnostic port	1
7	237-6004	O-RING - 23/64 ID x 5/64 inch wide	1
8	*238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small	9
9	*238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large	3
10	G107251	SHIM - section, port side of control valve	3
11	G33965	SHIM - section, non-port side of control valve	3
12	G108870	STUD - tie, 3/8 NC x 9-3/4 inch	4
13	425-106	NUT - hex, 3/8 inch NC	8
	*1346108C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

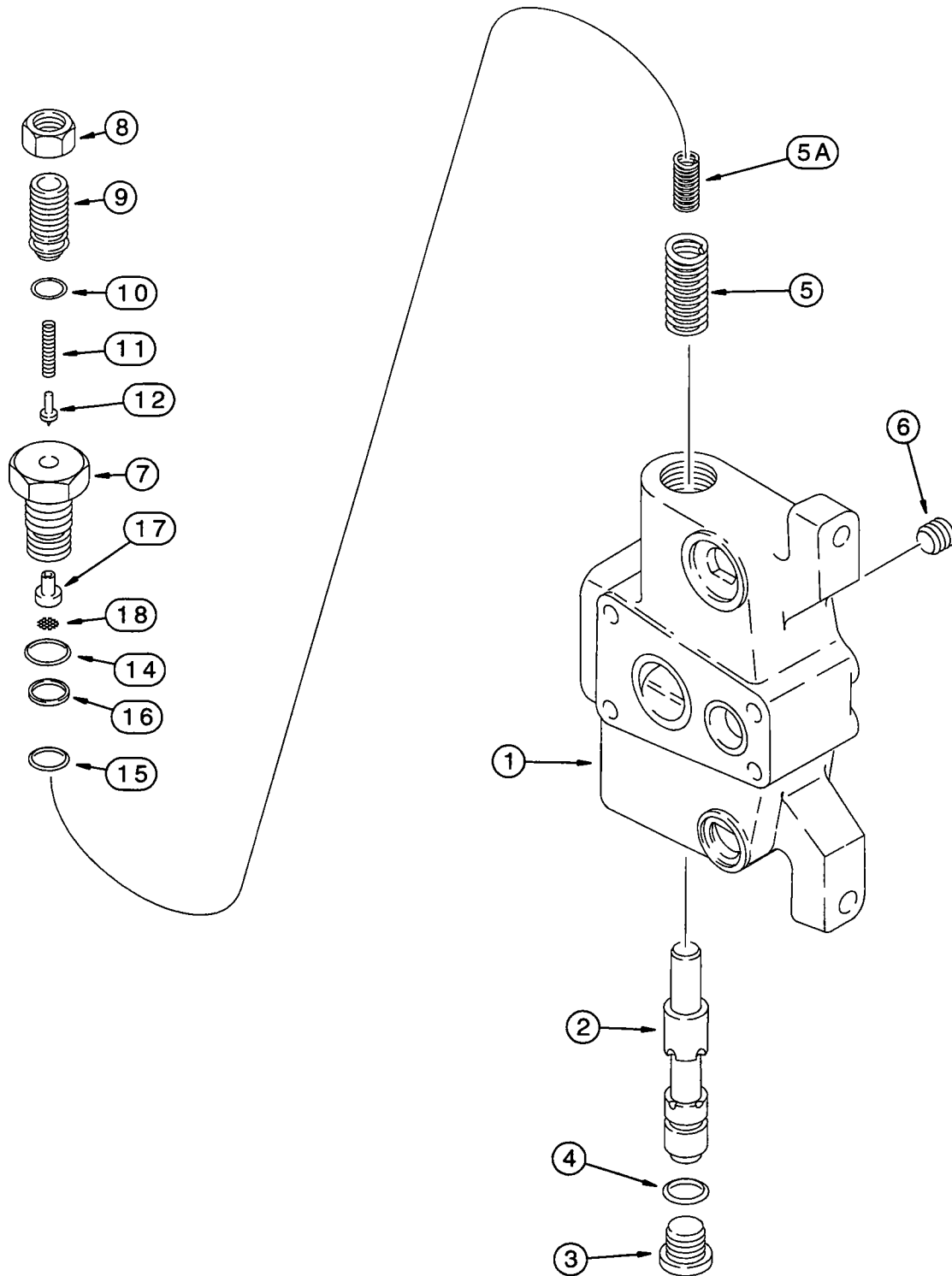


570LXT and 580L Series 2
LOADER CONTROL VALVE
THREE SPOOL

8-73

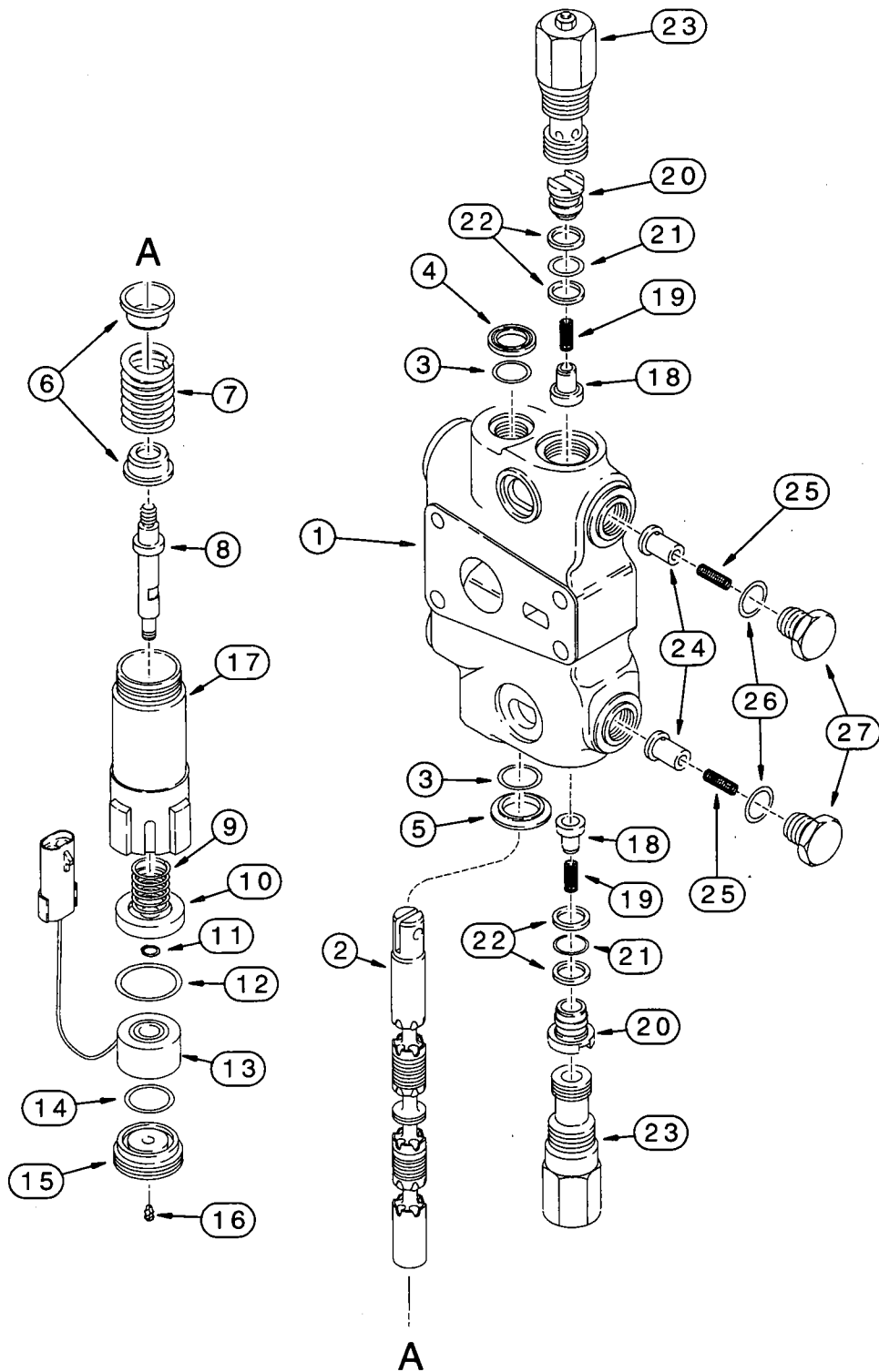
REF.	PART NO.	DESCRIPTION	REQ'D.
	302966A1	VALVE ASSEMBLY - loader control, three-spool	1
1	121736A2	SECTION ASSEMBLY - inlet, with pilot relief valve, parts list page 8-75	1
2	302964A1	SECTION ASSEMBLY - bucket, with magnetic detent and circuit relief valve, parts list page 8-77	1
3	113793A4	SECTION ASSEMBLY - lift, with manual detent, parts list page 8-79	1
4	113794A4	SECTION ASSEMBLY - clam, all valves, parts list page 8-83.	1
5	132004A2	SECTION ASSEMBLY - outlet, parts list page 8-81	1
6	129842A2	VALVE ASSEMBLY - main relief, component parts are not serviced separately, for service of external seals order G110098 seal kit	1
7	218-5207	PLUG - hex socket, 7/16-20 inch O-ring boss, outlet section diagnostic port	1
8	237-6004	O-RING - 23/64 ID x 5/64 inch wide	1
9	*238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small	12
10	*238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large	4
11	G107251	SHIM - section, port side of control valve.	4
12	G33965	SHIM - section, non-port side of control valve	4
13	G108805	STUD - tie, 3/8 NC x 11-3/4 inch	4
14	425-106	NUT - hex, 3/8 inch NC	8
	*1346108C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

8-74



570LXT and 580L Series 2**8-75****LOADER CONTROL VALVE
INLET SECTION - WITH STEERING RELIEF VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	121736A2	SECTION ASSEMBLY - inlet, with pilot relief valve	1
1	NSS	HOUSING - inlet section	1
2	NSS	SPOOL - inlet section	1
3	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss	1
4	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
5	122140A1	SPRING - outer	1
5A	122141A1	SPRING - inner	1
6	114903A1	PLUG - orifice, steering port.	1
	130060A2	VALVE ASSEMBLY - relief, pilot, with screen filter (Ref 18)	1
7	G108866	BODY - pilot relief, valve.	1
8	425-1510	NUT - hex, jam, 5/8 inch NF	1
9	G108867	PLUG - adjusting, relief valve	1
10	238-6012	O-RING - 3/8 ID x 1/16 inch wide	1
11	130059A1	SPRING - pilot relief	1
12	G108556	POPPET - relief, pilot	1
14	237-6012	O-RING - 59/64 ID x 7/64 inch wide, housing, large.	1
15	238-6018	O-RING - 3/4 ID x 1/16 inch wide, housing, small	1
16	G35540	RING - backup, small O-ring, housing	1
17	196095A1	SEAT - poppet, relief valve, used with Ref 18 screen filter.	1
18	196096A1	SCREEN - relief valve, filter	1

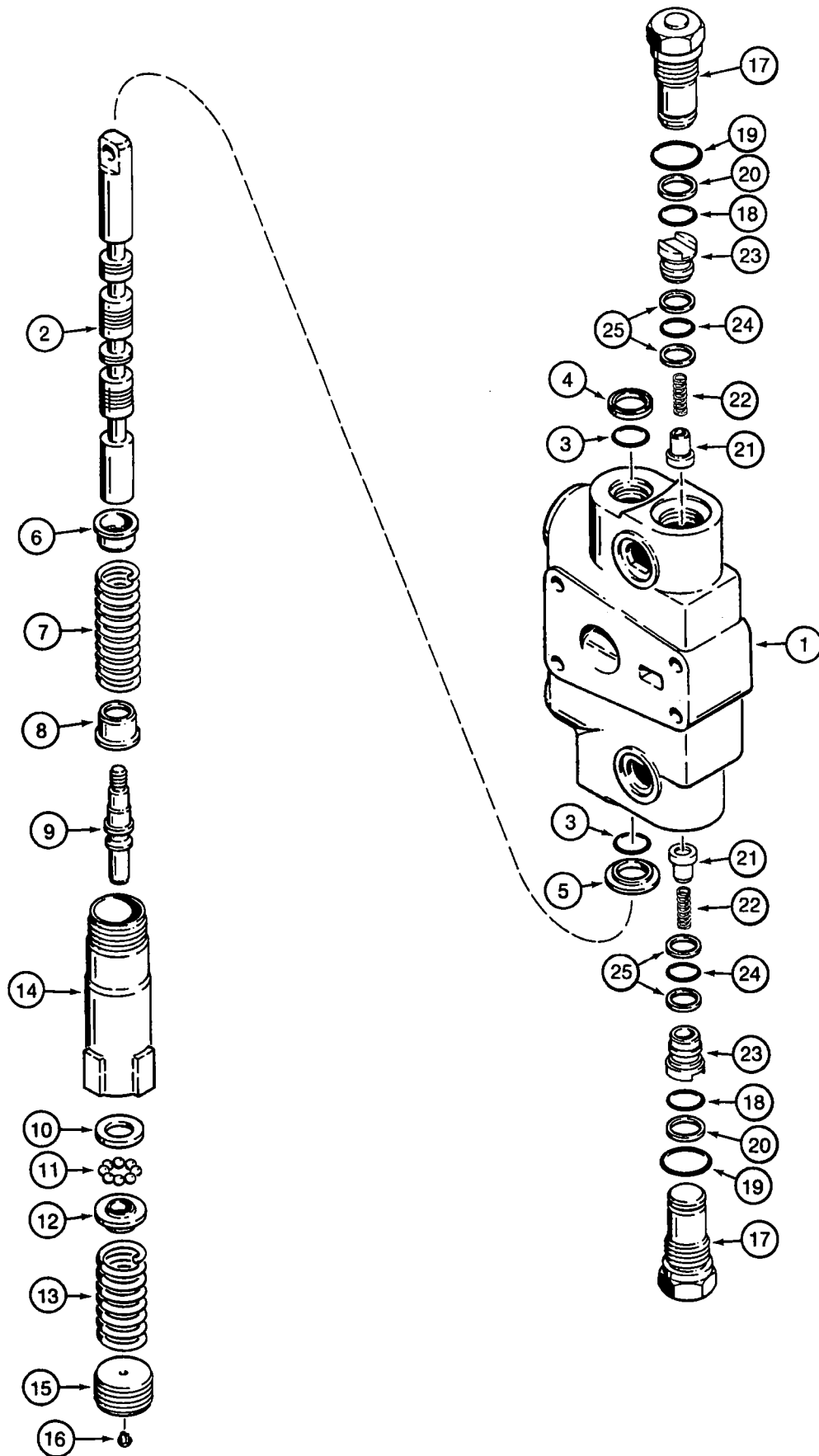


570LXT and 580L Series 2**8-77**

LOADER CONTROL VALVE
BUCKET SECTION - WITH MAGNETIC DETENT
AND CIRCUIT RELIEF VALVE

REF.	PART NO.	DESCRIPTION	REQ'D.
	302964A1	SECTION ASSEMBLY - bucket, with magnetic detent and circuit relief valves.	1
1	NSS	HOUSING - bucket section	1
2	NSS	SPOOL - bucket section.	1
3	* 1994608C1	O-RING - spool.	2
4	* 65457C1	SEAL - oil, spool.	1
5	G102711	RETAINER - O-ring	1
6	G33075	SEAT - centering spring	2
7	302326A1	SPRING - centering, spool.	1
8	307214A1	SHAFT - magnetic detent, with Loctite.	1
9	G107447	SPRING - detent washer	1
10	G109295	WASHER - detent	1
11	100-1125	RING - external retaining, No. 25, washer retaining.	1
12	238-5127	O-RING - 1-7/16 ID x 3/32 inch wide	1
13	120148A2	MAGNET - with connector	1
14	238-5120	O-RING - 1 ID x 3/32 inch wide	1
15	122330A1	PLUG - magnetic detent.	1
16	G107780	PLUG - check, magnetic detent	1
17	113787A3	HOUSING - magnetic detent	1
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin.	2
18	1343777C1	POPPET - hollow poppet pin with orifice	1
19	1346175C1	SPRING - load check	1
20	1343708C1	PLUG - load check	1
21	* 238-6016	O-RING - 5/8 ID x 1/16 inch wide	1
22	* G103862	RING - backup, plug O-ring	2
23	G109391	VALVE ASSEMBLY - circuit relief, 3200 psi, one piece cap, used in production, parts list page 8-85, order G109449 circuit relief valve kit for service, see page 8-85 for kit	2
	129735A2	VALVE ASSEMBLY - anticavitation	2
24	129698A1	POPPET - anticavitation	1
25	G34458	SPRING - anticavitation	1
26	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
27	129699A1	PLUG - anticavitation	1
	* 1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

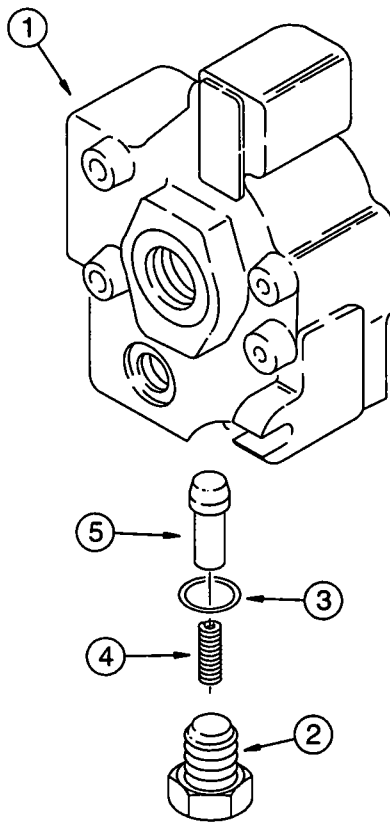
8-78



570LXT and 580L Series 2**8-79****LOADER CONTROL VALVE****LIFT SECTION
WITH MANUAL DETENT**

REF.	PART NO.	DESCRIPTION	REQ'D.
	113793A4	SECTION ASSEMBLY - lift, with manual detent	1
1	NSS	HOUSING - lift section	1
2	NSS	SPOOL - lift section	1
3	*1994608C1	O-RING - spool.	2
4	*65457C1	SEAL - oil, spool.	1
5	G102711	RETAINER - O-ring	1
6	G33075	SEAT - centering spring, upper, small	1
7	1986612C1	SPRING - centering, spool.	1
8	G106395	SEAT - centering spring, lower, large.	1
9	307215A1	SHAFT - detent, with Loctite	1
10	G109127	WASHER - detent, ball retainer	1
11	211-1009	BALL - chrome alloy steel, 9/32 inch, grade 24	8
12	G106398	RETAINER - ball stop.	1
13	1986568C1	SPRING - detent	1
14	G106425	HOUSING - detent	1
15	G109384	PLUG - detent housing.	1
16	G107780	PLUG - check, detent plug.	1
	G33122	PLUG ASSEMBLY - load check valve port	2
17	NSS	PLUG - load check valve	1
18	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, small.	1
19	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, large	1
20	*G35540	RING - backup, small O-ring.	1
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin.	2
21	1343777C1	POPPET - hollow poppet pin with orifice, load check.	1
22	1346175C1	SPRING - load check	1
23	1343708C1	PLUG - load check	1
24	*238-6016	O-RING - 5/8 ID x 1/16 inch wide, plug.	1
25	*G103862	RING - backup, plug O-ring	2
	*1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

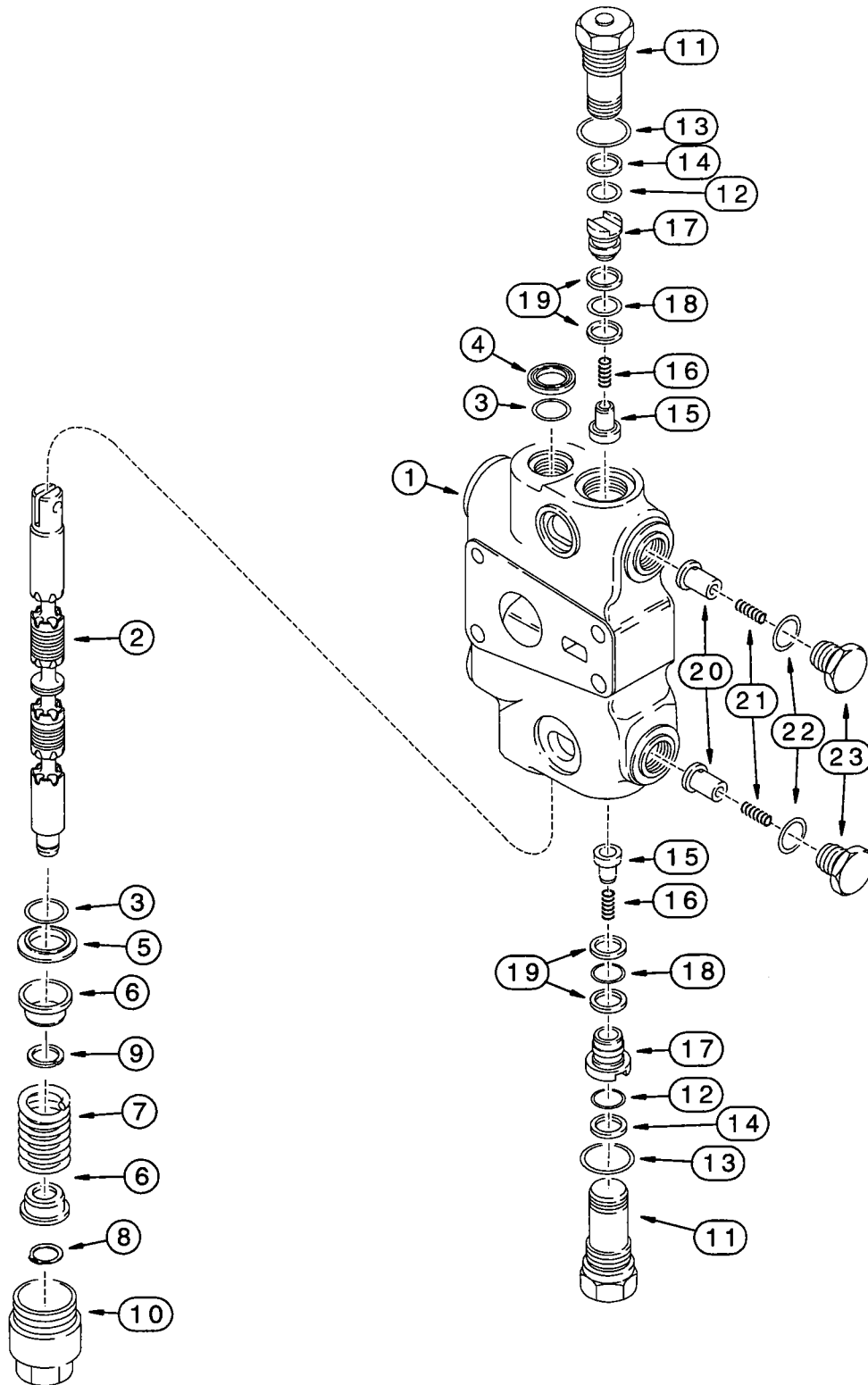
8-80



570LXT and 580L Series 2
LOADER CONTROL VALVE
OUTLET SECTION

8-81

REF.	PART NO.	DESCRIPTION	REQ'D.
	132004A2	SECTION ASSEMBLY - outlet	1
1	NSS	HOUSING - outlet section	1
2	G109644	PLUG - load check	1
3	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
4	G109646	SPRING - load check	1
5	283417A1	POPPET - load check	1

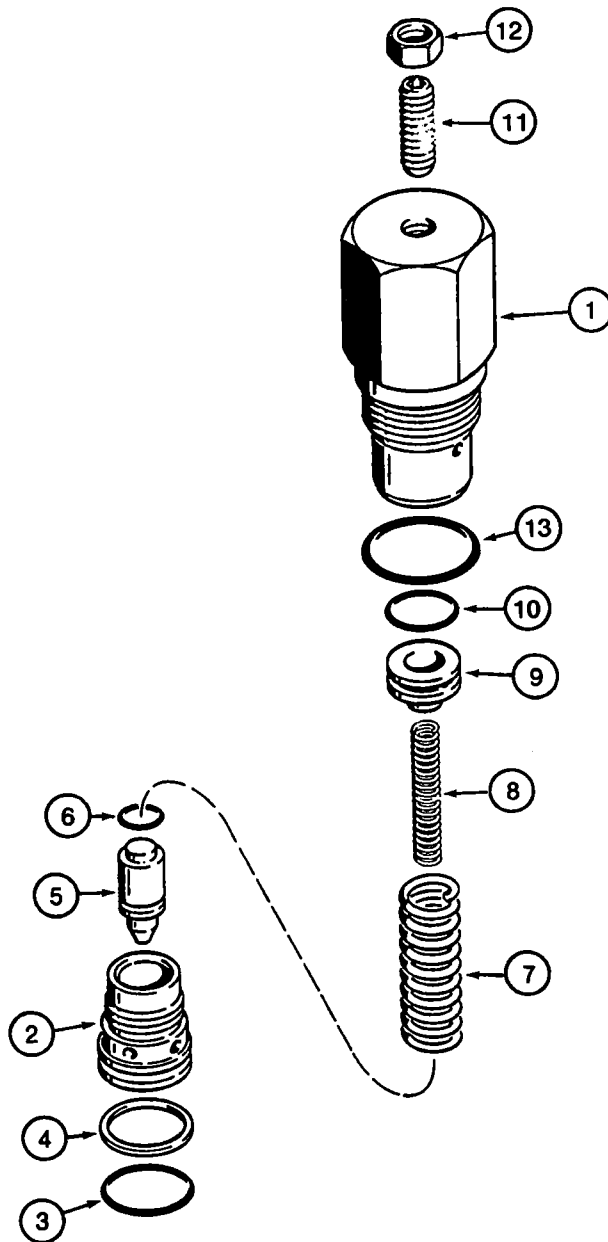


570LXT and 580L Series 2
LOADER CONTROL VALVE
CLAM SECTION

8-83

REF.	PART NO.	DESCRIPTION	REQ'D.
	113794A4	SECTION ASSEMBLY - clam, three spool valve	1
1	NSS	HOUSING - clam section	1
2	NSS	SPOOL - clam section	1
3	*1994608C1	O-RING - spool	2
4	*65457C1	SEAL - oil, spool	1
5	G102711	RETAINER - O-ring	1
6	G33075	SEAT - centering spring	2
7	1994596C1	SPRING - centering, purple, 2-15/16 inch free length, spool, clam section	1
8	100-1647	RING - heavy external retaining, No. 47	1
9	G106410	SPACER - screw	1
10	G33080	CAP - centering spring, spool end, lower	1
	G33122	PLUG ASSEMBLY - load check valve port	2
11	NSS	PLUG - load check valve	1
12	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, small	1
13	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, large	1
14	*G35540	RING - backup, small O-ring	1
	1346219C2	VALVE ASSEMBLY - load check, hollow poppet pin	2
15	1343777C1	POPPET - hollow poppet pin with orifice, load check	1
16	1346175C1	SPRING - load check	1
17	1343708C1	PLUG - load check	1
18	*238-6016	O-RING - 5/8 ID x 1/16 inch wide, plug	1
19	*G103862	RING - backup, plug O-ring	2
	129735A1	VALVE ASSEMBLY - anticavitation	2
20	129698A1	POPPET - anticavitation	1
21	G34458	SPRING - anticavitation	1
22	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
23	129699A1	PLUG - anticavitation	1
	*1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

8-84

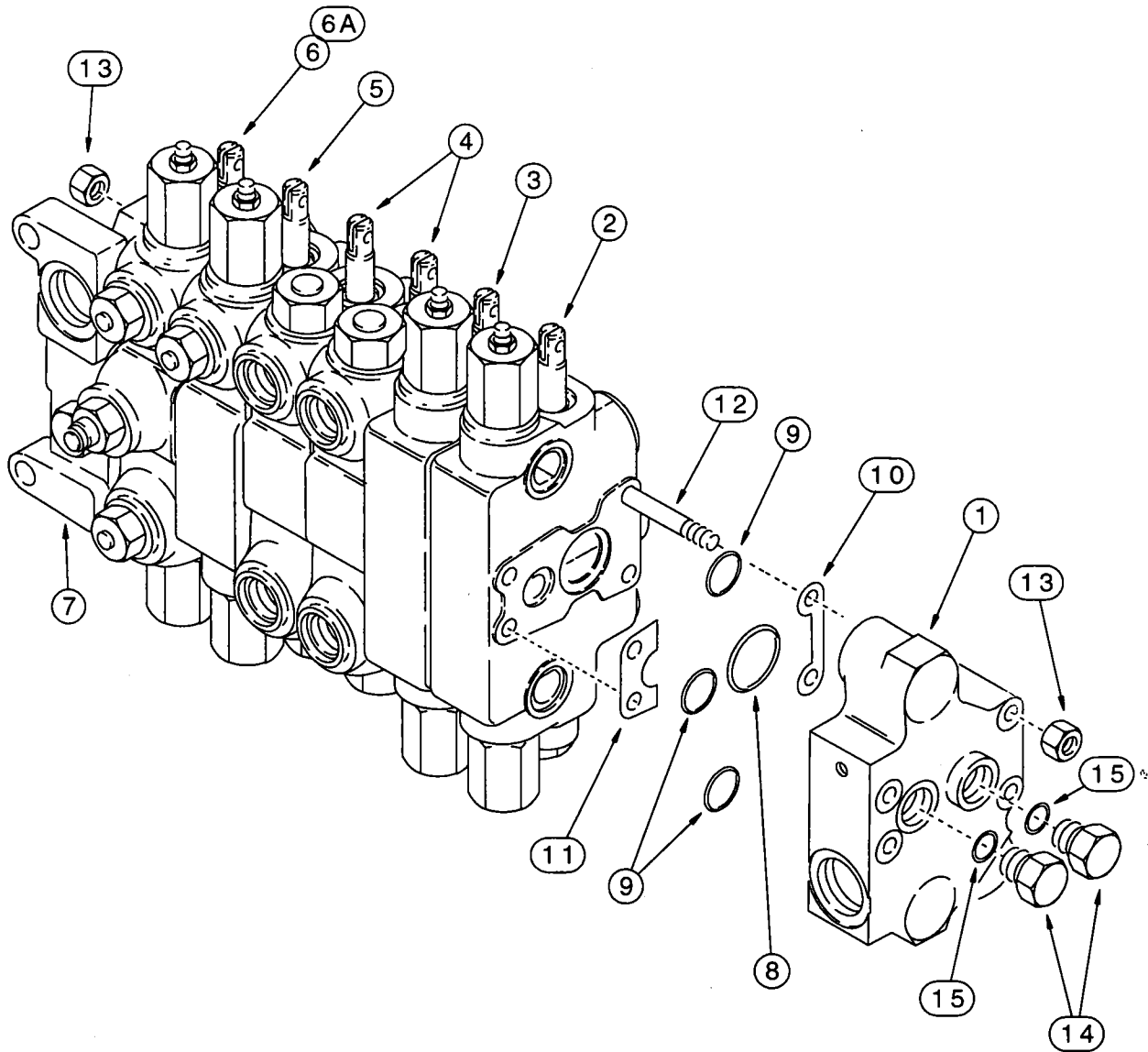


570LXT and 580L Series 2**8-85****LOADER CONTROL VALVE
BUCKET SECTION CIRCUIT RELIEF VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	*G109391	VALVE ASSEMBLY - circuit relief, 3200 psi, one piece cap, used in production, order G109449 kit for service	2
1	NSS	HOUSING - circuit relief valve	1
2	NSS	SEAT - circuit relief valve	1
3	238-6018	O-RING - 3/4 ID x 1/16 inch wide	1
4	G35540	RING - backup	1
5	NSS	POPPET - circuit relief valve	1
6	NSS	O-RING - poppet	1
7	NSS	SPRING - relief, outer	1
8	NSS	SPRING - relief, inner.	1
9	NSS	PISTON - circuit relief valve	1
10	NSS	O-RING - piston	1
11	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point	1
12	425-155	NUT - hex, jam, 5/16 inch NF	1
13	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
	*G109449	KIT - service, for G109391 circuit relief valve, kit includes an instruction sheet and G109447 circuit relief valve (items 1-13) which is the same as G109391 except with a different pressure setting	1

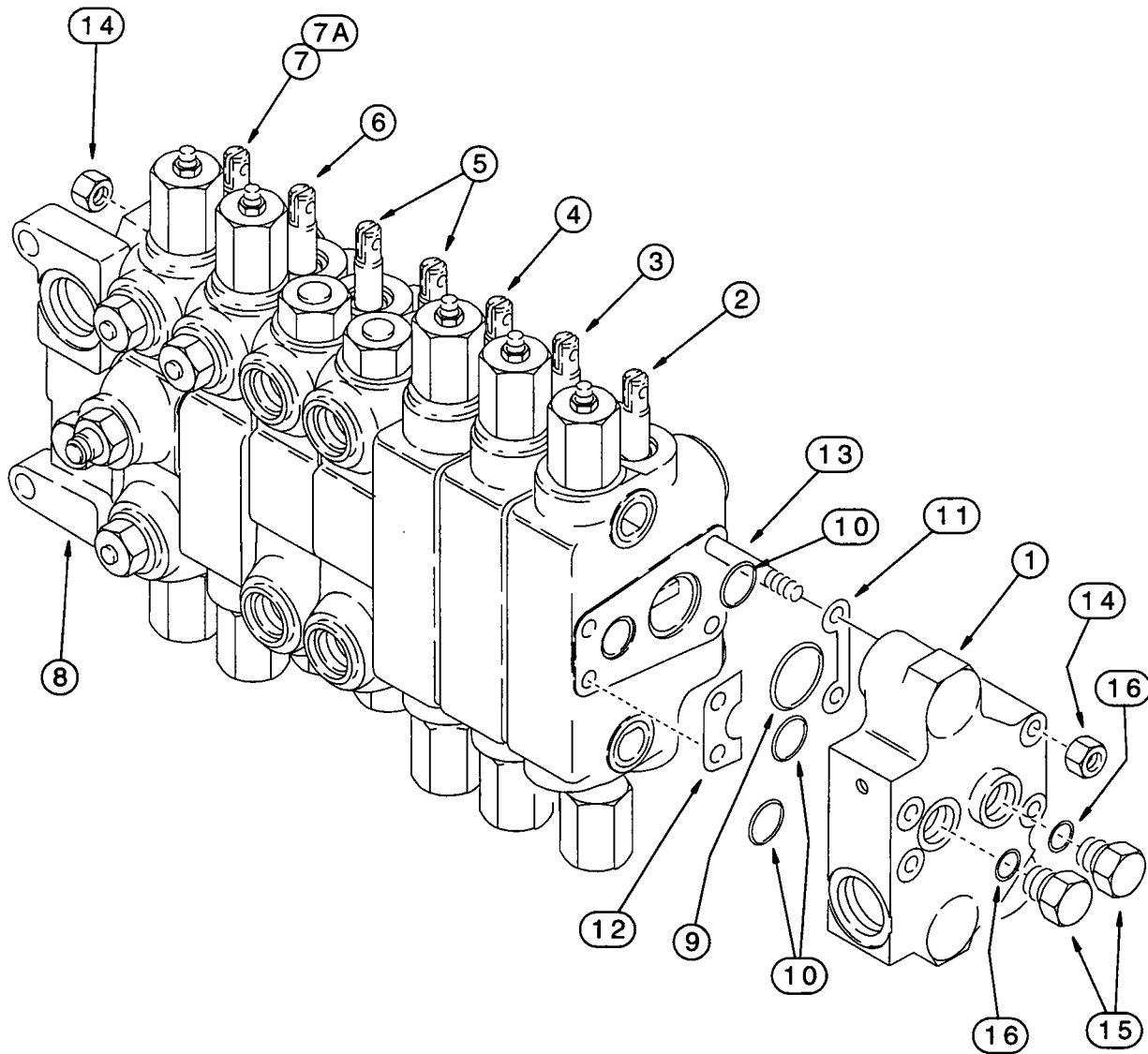
NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

8-86



570LXT and 580L Series 2**8-87****BACKHOE CONTROL VALVES
MODELS WITHOUT EXTENDABLE DIPPER
AND WITHOUT AUXILIARY HYDRAULICS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	144325A3	VALVE ASSEMBLY - backhoe control, 6 spool, foot swing	1
	144326A3	VALVE ASSEMBLY - backhoe control, 6 spool, hand swing	1
1	113248A2	SECTION ASSEMBLY - outlet, parts list page 8-95	1
2	129864A4	SECTION ASSEMBLY - bucket, parts list page 8-97.	1
3	136610A5	SECTION ASSEMBLY - dipper, parts list page 8-99	1
4	253989A2	SECTION ASSEMBLY - stabilizer, left-hand and right-hand, parts list page 8-101	2
5	144321A5	SECTION ASSEMBLY - boom, parts list pages 8-103 and 8-105	1
6	144681A5	SECTION ASSEMBLY - swing, foot swing control valve, parts list pages 8-107 and 8-109	1
6A	144682A5	SECTION ASSEMBLY - swing, hand swing control valve, parts list pages 8-107 and 8-109	1
7	1542829C1	SECTION ASSEMBLY - inlet, parts list page 8-95.	1
8	* 238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large	7
9	* 238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small	21
10	G107251	SHIM - section	7
11	G33965	SHIM - section	7
12	G108900	STUD - tie, 3/8 NC x 16-15/16 inch	4
13	425-106	NUT - hex, 3/8 inch NC	8
14	218-5157	PLUG - hex, 7/8-14 inch O-ring boss, outlet section	2
15	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	* 1346107C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required in this application	1

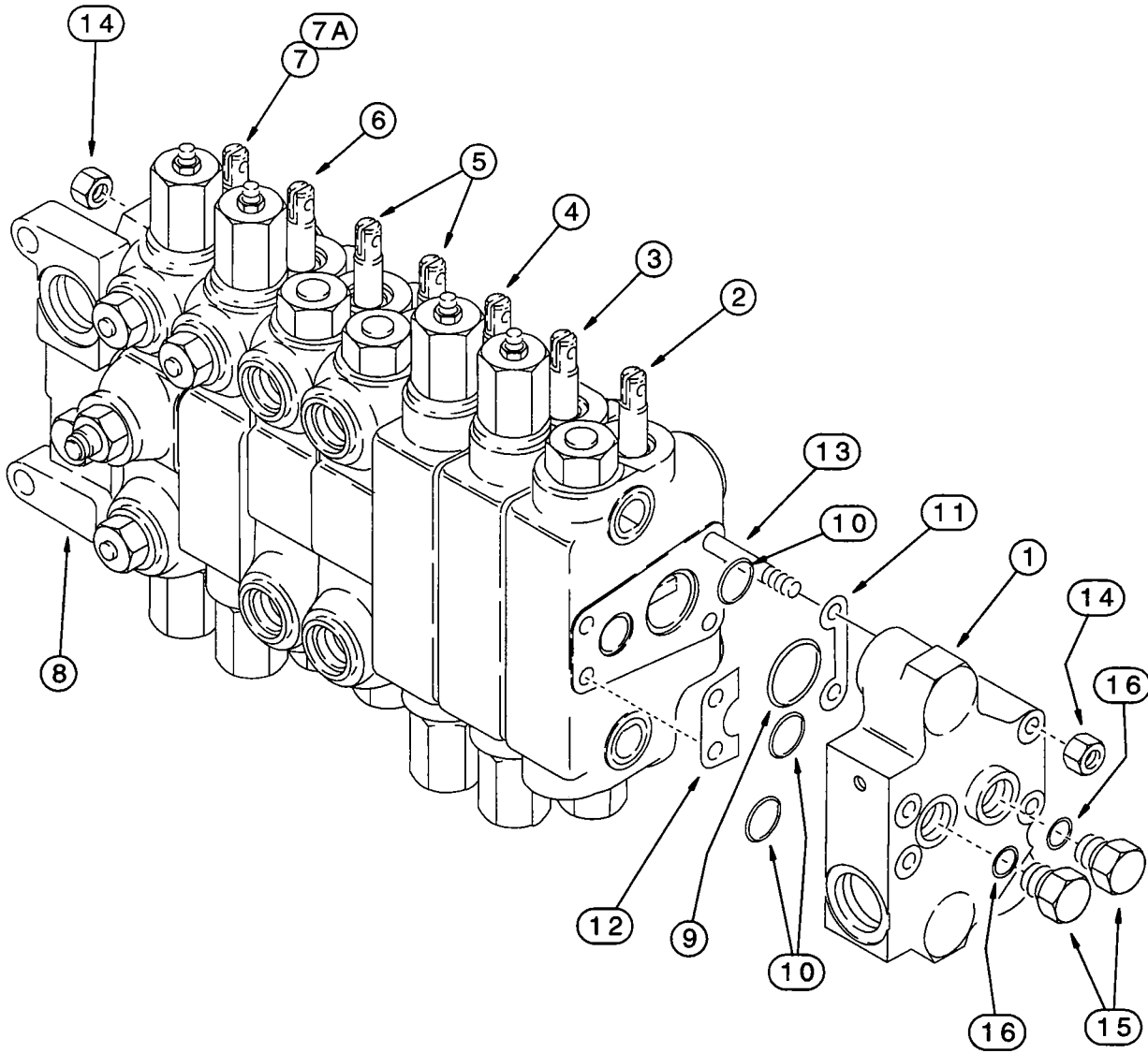


570LXT and 580L Series 2**8-89**

**BACKHOE CONTROL VALVES
MODELS WITHOUT EXTENDABLE DIPPER
WITH AUXILIARY HYDRAULICS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	242690A2	VALVE ASSEMBLY - backhoe control, 7 spool, foot swing	1
	242653A2	VALVE ASSEMBLY - backhoe control, 7 spool, hand swing	1
1	113248A2	SECTION ASSEMBLY - outlet, parts list page 8-95	1
2	294198A1	SECTION ASSEMBLY - options, auxiliary hydraulics, parts list page 8-113	1
3	129864A4	SECTION ASSEMBLY - bucket, parts list page 8-97.	1
4	136610A5	SECTION ASSEMBLY - dipper, parts list page 8-99.	1
5	253989A2	SECTION ASSEMBLY - stabilizer, left-hand and right-hand, parts list page 8-101	2
6	144321A5	SECTION ASSEMBLY - boom, parts list pages 8-103 and 8-105	1
7	144681A5	SECTION ASSEMBLY - swing, foot swing control valve, parts list pages 8-107 and 8-109	1
7A	144682A5	SECTION ASSEMBLY - swing, hand swing control valve, parts list pages 8-107 and 8-109	1
8	1542829C1	SECTION ASSEMBLY - inlet, parts list page 8-95.	1
9	* 238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large	8
10	* 238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small	24
11	G107251	SHIM - section	8
12	G33965	SHIM - section	8
13	G108899	STUD - tie, 3/8 NC x 18-15/16 inch	4
14	425-106	NUT - hex, 3/8 inch NC	8
15	218-5157	PLUG - hex, 7/8-14 inch O-ring boss	2
16	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	* 1346107C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

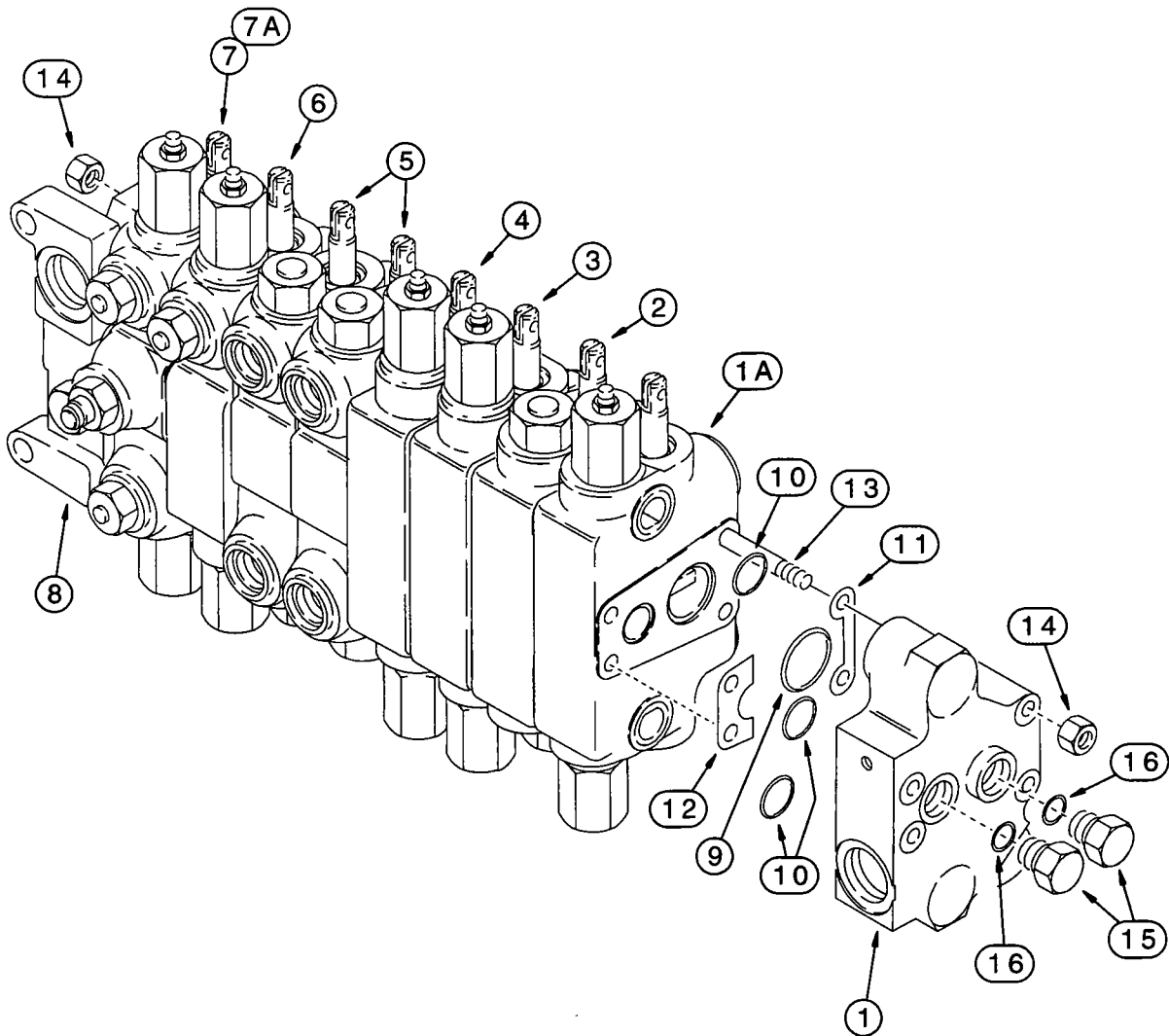
8-90



570LXT and 580L Series 2**8-91****BACKHOE CONTROL VALVES
MODELS WITH EXTENDABLE DIPPER
WITHOUT AUXILIARY HYDRAULICS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	144332A3	VALVE ASSEMBLY - backhoe control, 7 spool, foot swing	1
	144331A3	VALVE ASSEMBLY - backhoe control, 7 spool, hand swing	1
1	113248A2	SECTION ASSEMBLY - outlet, parts list page 8-95	1
2	144324A4	SECTION ASSEMBLY - dipper extension, parts list page 8-111	1
3	129864A4	SECTION ASSEMBLY - bucket, parts list page 8-97	1
4	136610A5	SECTION ASSEMBLY - dipper, parts list page 8-99	1
5	253989A2	SECTION ASSEMBLY - stabilizer, left-hand and right-hand, parts list page 8-101	2
6	144321A5	SECTION ASSEMBLY - boom, parts list pages 8-103 and 8-105	1
7	144681A5	SECTION ASSEMBLY - swing, foot swing control valve, parts list pages 8-107 and 8-109	1
7A	144682A5	SECTION ASSEMBLY - swing, hand swing control valve, parts list pages 8-107 and 8-109	1
8	1542829C1	SECTION ASSEMBLY - inlet, parts list page 8-95	1
9	* 238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large	8
10	* 238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small	24
11	G107251	SHIM - section	8
12	G33965	SHIM - section	8
13	G108899	STUD - tie, 3/8 NC x 18-15/16 inch	4
14	425-106	NUT - hex, 3/8 inch NC	8
15	218-5157	PLUG - hex, 7/8-14 inch O-ring boss	2
16	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	* 1346107C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

8-92

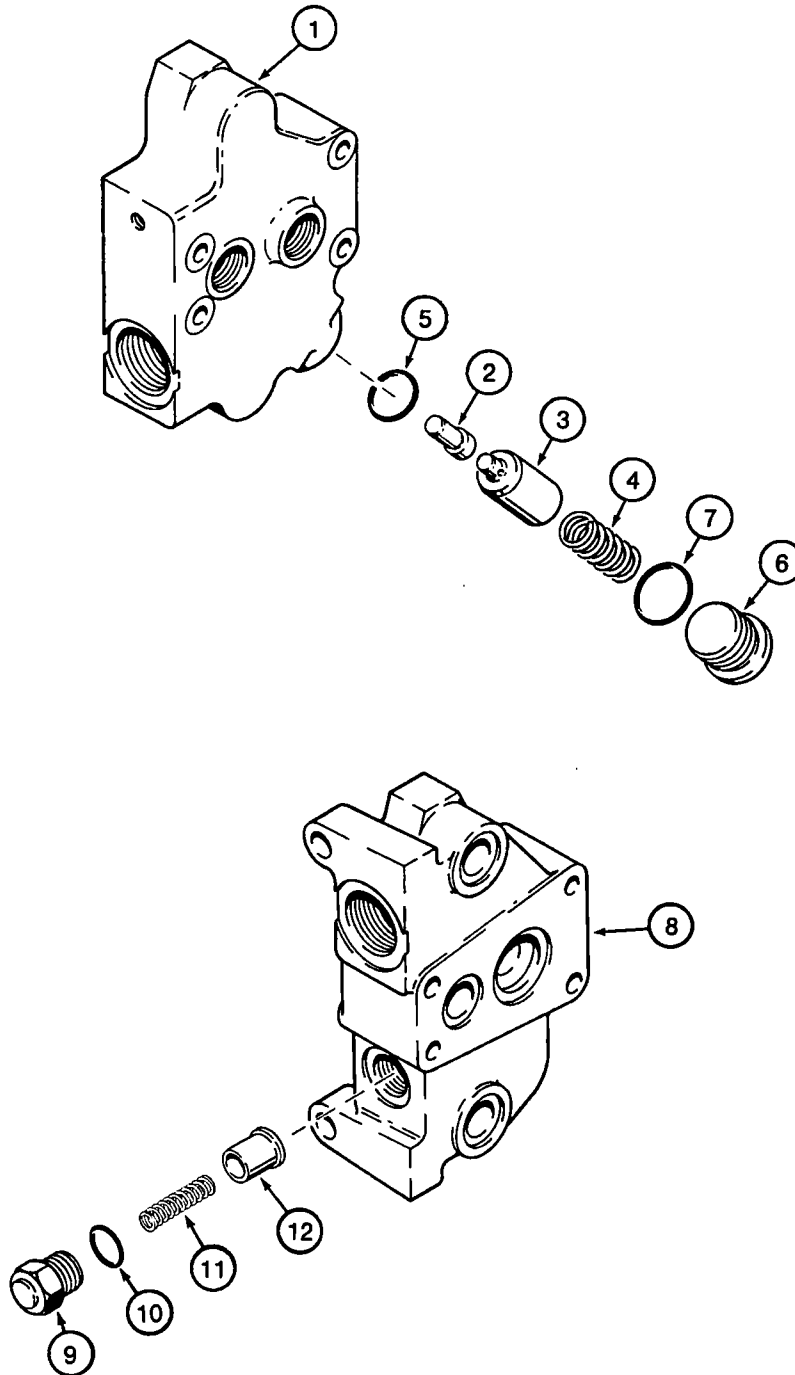


570LXT and 580L Series 2**8-93**

**BACKHOE CONTROL VALVES
MODELS WITH EXTENDABLE DIPPER
WITH AUXILIARY HYDRAULICS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	242692A2	VALVE ASSEMBLY - backhoe control, 8 spool, foot swing	1
	242691A2	VALVE ASSEMBLY - backhoe control, 8 spool, hand swing	1
1	113248A2	SECTION ASSEMBLY - outlet, parts list page 8-95	1
1A	294198A1	SECTION ASSEMBLY - options, auxiliary hydraulics, parts list page 8-113	1
2	144324A4	SECTION ASSEMBLY - dipper extension, parts list page 8-111	1
3	129864A4	SECTION ASSEMBLY - bucket, parts list page 8-97	1
4	136610A5	SECTION ASSEMBLY - dipper, parts list page 8-99	1
5	253989A2	SECTION ASSEMBLY - stabilizer, left-hand and right-hand, parts list page 8-101	2
6	144321A5	SECTION ASSEMBLY - boom, parts list pages 8-103 and 8-105	1
7	144681A5	SECTION ASSEMBLY - swing, foot swing control valve, parts list pages 8-107 and 8-109	1
7A	144682A5	SECTION ASSEMBLY - swing, hand swing control valve, parts list pages 8-107 and 8-109	1
8	1542829C1	SECTION ASSEMBLY - inlet, parts list page 8-95	1
9	*238-6127	O-RING - 1-7/16 ID x 3/32 inch wide, section ports, large	9
10	*238-6119	O-RING - 15/16 ID x 3/32 inch wide, section ports, small	27
11	G107251	SHIM - section	9
12	G33965	SHIM - section	9
13	229684A1	STUD - tie	4
14	425-106	NUT - hex, 3/8 inch NC	8
15	218-5157	PLUG - hex, 7/8-14 inch O-ring boss	2
16	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
	*1346107C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application	1

8-94



570LXT and 580L Series 2
BACKHOE CONTROL VALVE
INLET AND OUTLET SECTIONS

8-95

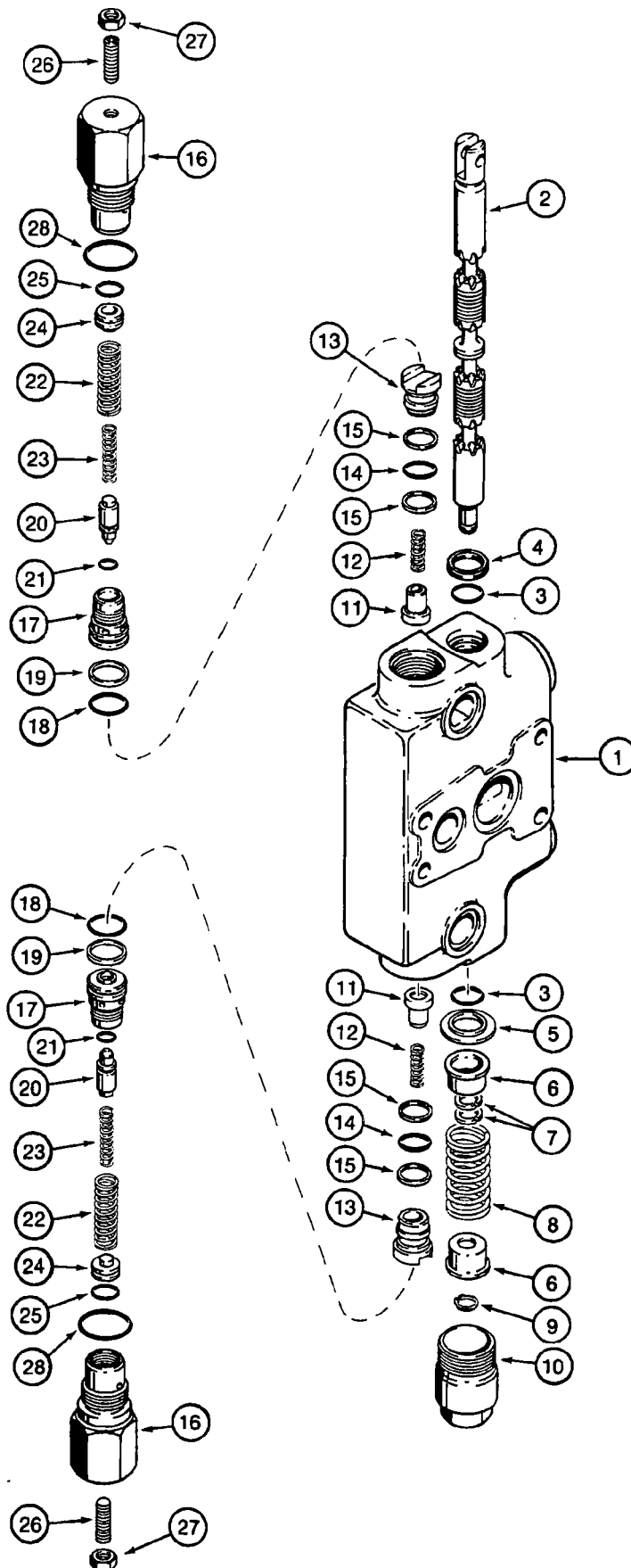
REF.	PART NO.	DESCRIPTION	REQ'D.

OUTLET SECTION

	113248A2	SECTION ASSEMBLY - outlet	1
1	NSS	MANIFOLD - section body	1
2	G108902	PISTON - regeneration sensing	1
3	G34586	SPOOL - regeneration	1
4	G33112	SPRING - regeneration spool	1
5	238-5118	O-RING - 7/8 ID x 3/32 inch wide	1
6	218-5213	PLUG - hex socket, 1-3/16-12 inch O-ring boss	1
7	237-6014	O-RING - 1-3/64 ID x 7/64 inch wide	1

INLET SECTION

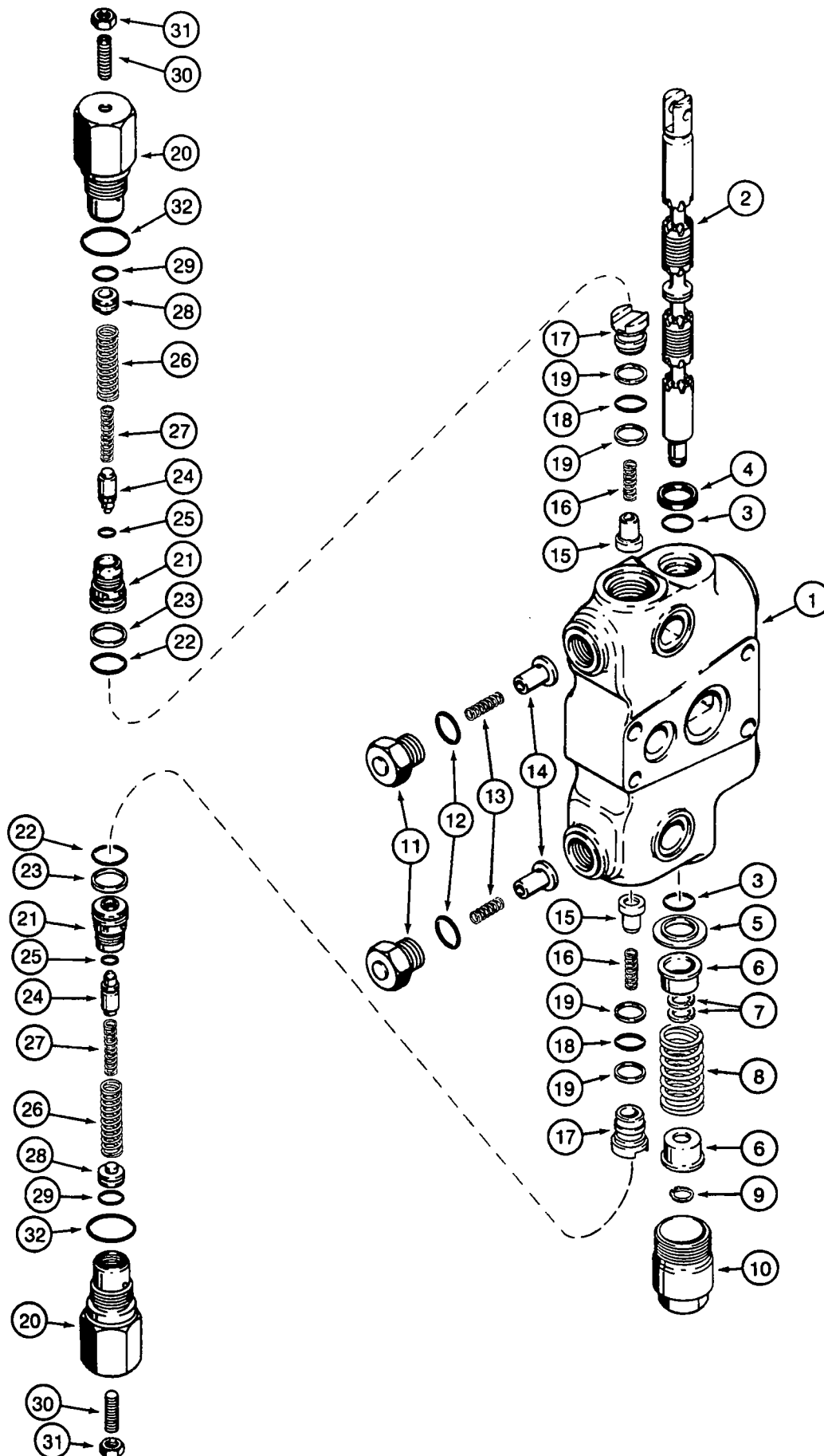
	1542829C1	SECTION ASSEMBLY - inlet	1
8	NSS	MANIFOLD - section body	1
	1346221C2	VALVE ASSEMBLY - anticavitation (order items 9-12)	1
9	G34937	PLUG - check valve	1
10	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
11	G34458	SPRING - check valve	1
12	G34938	POPPET - check valve	1



570LXT and 580L Series 2
8-97
**BACKHOE CONTROL VALVE
BUCKET SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	129864A4	SECTION ASSEMBLY - bucket, with circuit relief valves	1
1	NSS	HOUSING - bucket section	1
2	NSS	SPOOL - bucket section	1
3	*1994608C1	O-RING - spool	2
4	*65457C1	SEAL - oil	1
5	G102711	RETAINER - O-ring	1
6	G33075	SEAT - centering spring	2
7	G106410	SPACER - spool	2
8	1994596C1	SPRING - centering, purple, 2-15/16 inch free length, spool	1
9	100-1647	RING - heavy external retaining, No. 47, spool end	1
10	G33080	CAP - centering spring, spool end	1
	1346219C3	VALVE ASSEMBLY - load check, hollow poppet pin	2
11	1343777C1	POPPET - hollow poppet pin with orifice, load check	1
12	1346175C1	SPRING - load check	1
13	1343708C1	PLUG - load check	1
14	*238-6016	O-RING - 5/8 ID x 1/16 inch wide, plug	1
15	*G103862	RING - backup, plug O-ring	2
	**129861A1	VALVE ASSEMBLY - circuit relief, bucket section, used in production, order G110077 kit for service	2
16	NSS	HOUSING - circuit relief valve	1
17	NSS	SEAT - circuit relief valve	1
18	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, circuit relief valve seat	1
19	*G35540	RING - backup, seat O-ring	1
20	NSS	POPPET - circuit relief valve	1
21	NSS	O-RING - poppet	1
22	NSS	SPRING - relief, outer	1
23	NSS	SPRING - relief, inner	1
24	NSS	PISTON - circuit relief valve	1
25	NSS	O-RING - 1/2 ID x 1/16 inch wide	1
26	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point	1
27	425-155	NUT - hex, jam, 5/16 inch NF	1
28	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, housing	1
	*1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application	1
	**G110077	KIT - service, for 129861A1 circuit relief valve, kit includes an instruction sheet and G110078 circuit relief valve (items 16-28) which is the same as 129861A1 except with a different pressure setting	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.



570LXT and 580L Series 2

BACKHOE CONTROL VALVE

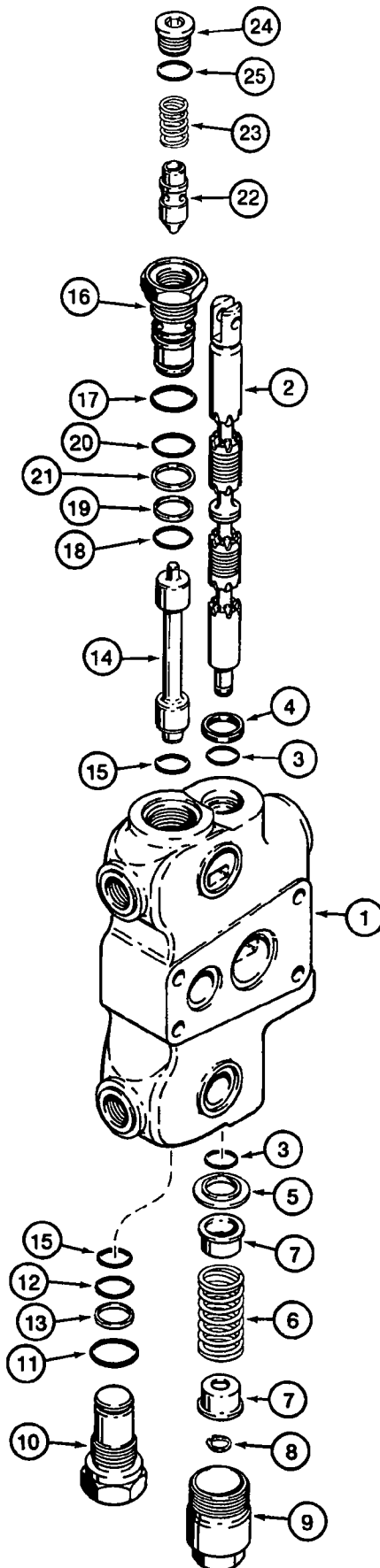
DIPPER SECTION

8-99

REF.	PART NO.	DESCRIPTION	REQ'D.
	136610A5	SECTION ASSEMBLY - dipper, with circuit relief valves and anticavitation valves.	1
1	NSS	HOUSING - dipper section.	1
2	NSS	SPOOL - dipper section.	1
3	* 1994608C1	O-RING - spool.	2
4	* 65457C1	SEAL - oil, spool.	1
5	G102711	RETAINER - O-ring.	1
6	G33075	SEAT - centering spring.	2
7	G106410	SPACER - spool.	2
8	1994596C1	SPRING - centering, purple, 2-15/16 inch free length, spool.	1
9	100-1647	RING - heavy external retaining, No. 47, spool end.	1
10	G33080	CAP - centering spring, spool end.	1
	1346221C2	VALVE ASSEMBLY - anticavitation (order items 11-14)	2
11	G34937	PLUG - anticavitation valve.	1
12	* 237-6010	O-RING - 3/4 ID x 3/32 inch wide.	1
13	G34458	SPRING - anticavitation valve.	1
14	G34938	POPPET - anticavitation valve.	1
	1346219C3	VALVE ASSEMBLY - load check, hollow poppet pin.	2
15	1343777C1	POPPET - hollow poppet pin with orifice, load check.	1
16	1346175C1	SPRING - load check.	1
17	1343708C1	PLUG - load check.	1
18	* 238-6016	O-RING - 5/8 ID x 1/16 inch wide, plug.	1
19	* G103862	RING - backup, plug O-ring.	2
	** 129861A1	VALVE ASSEMBLY - circuit relief, dipper section, used in production, order G110077 kit for service.	2
20	NSS	HOUSING - circuit relief valve.	1
21	NSS	SEAT - circuit relief valve.	1
22	* 238-6018	O-RING - 3/4 ID x 1/16 inch wide, circuit relief valve seat.	1
23	* G35540	RING - backup, seat O-ring.	1
24	NSS	POPPET - circuit relief valve.	1
25	NSS	O-RING - poppet.	1
26	NSS	SPRING - relief, outer.	1
27	NSS	SPRING - relief, inner.	1
28	NSS	PISTON - circuit relief valve.	1
29	NSS	O-RING - piston.	1
30	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point.	1
31	425-155	NUT - hex, jam, 5/16 inch NF.	1
32	* 237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, housing.	1
	* 1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required in this application.	1
	** G110077	KIT - service, for 129861A1 circuit relief valve, kit includes an instruction sheet and G110078 circuit relief valve (items 20-32) which is the same as 129861A1 except with a different pressure setting.	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

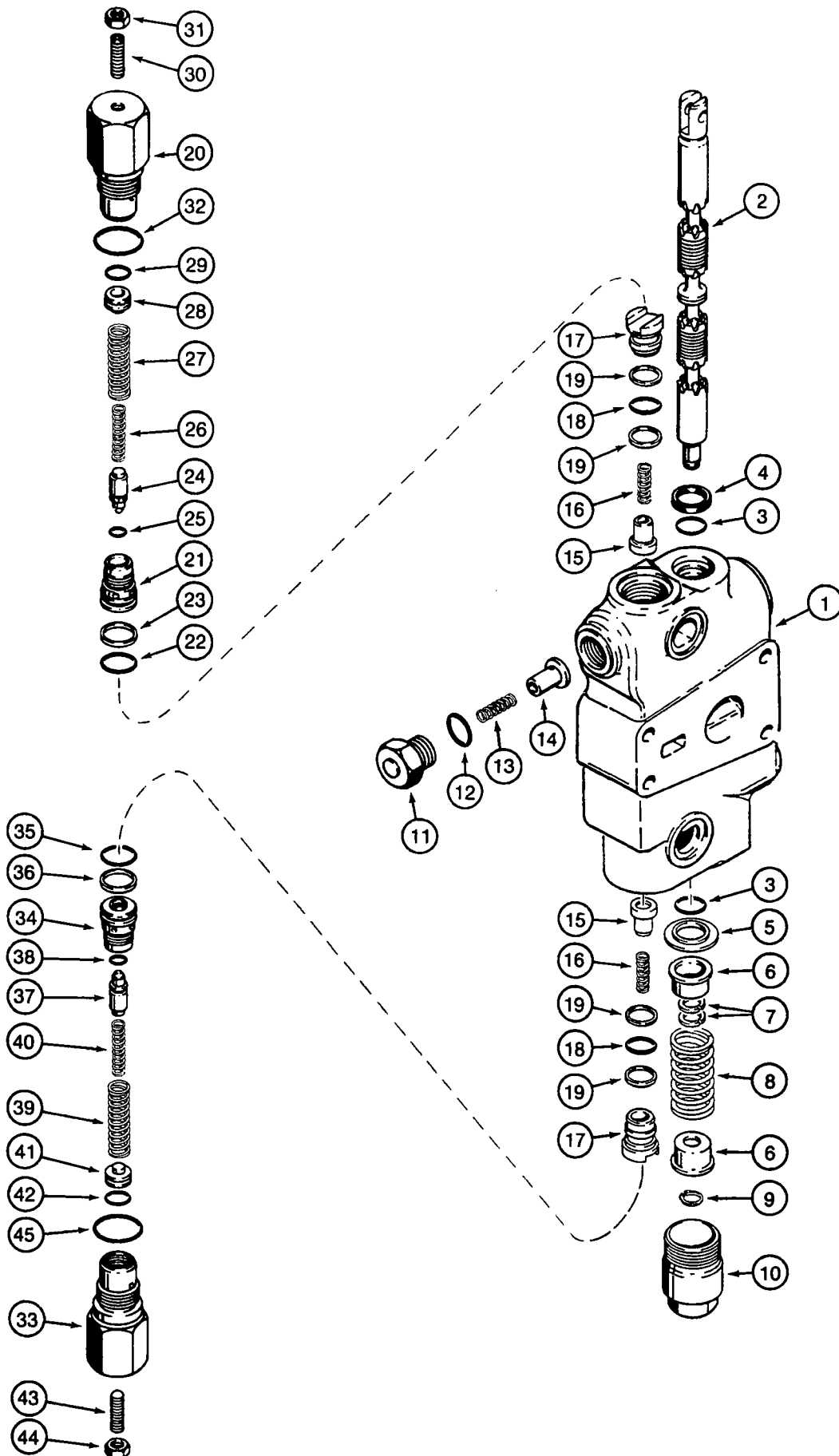
8-100



570LXT and 580L Series 2**8-101****BACKHOE CONTROL VALVE****LEFT-HAND AND RIGHT-HAND STABILIZER SECTIONS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	253989A2	SECTION ASSEMBLY - left-hand and right-hand stabilizer, with lock check	2
1	NSS	HOUSING - left-hand and right-hand stabilizer sections	1
2	NSS	SPOOL - left-hand and right-hand stabilizer sections	1
3	* 1994608C1	O-RING - spool.	2
4	* 65457C1	SEAL - oil, spool.	1
5	G102711	RETAINER - O-ring	1
6	G34463	SPRING - centering, spool.	1
7	G33075	SEAT - centering spring	2
8	100-1647	RING - heavy external retaining, No. 47, spool end.	1
9	G33080	CAP - centering spring, spool end	1
	G33122	PLUG ASSEMBLY - relief	1
10	NSS	PLUG - relief	1
11	* 237-6012	O-RING - 59/64 ID x 7/64 inch wide, large	1
12	* 238-6018	O-RING - 3/4 ID x 1/16 inch wide, small.	1
13	G35540	RING - backup, small O-ring.	1
14	1986754C1	SPOOL - shuttle, lock check	1
15	* 238-6018	O-RING - 3/4 ID x 1/16 inch wide, shuttle spool.	2
	G109627	PLUG ASSEMBLY - lock check	1
16	NSS	SEAT - lock check body	1
17	* 237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, seat plug end	1
18	* 238-6018	O-RING - 3/4 ID x 1/16 inch wide, small, seat lock check end	1
19	* G35540	RING - backup, small O-ring.	1
20	* 238-6019	O-RING - 13/16 ID x 1/16 inch wide, seat, center.	1
21	* G110468	RING - backup, center O-ring	1
22	NSS	POPPET - lock check	1
23	G109630	SPRING - lock check	1
24	218-5210	PLUG - hex socket, 3/4-16 inch O-ring boss	1
25	237-6008	O-RING - 41/64 ID x 3/32 inch wide	1
	* 1346106C1	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

8-102



570LXT and 580L Series 2

BACKHOE CONTROL VALVE

BOOM SECTION

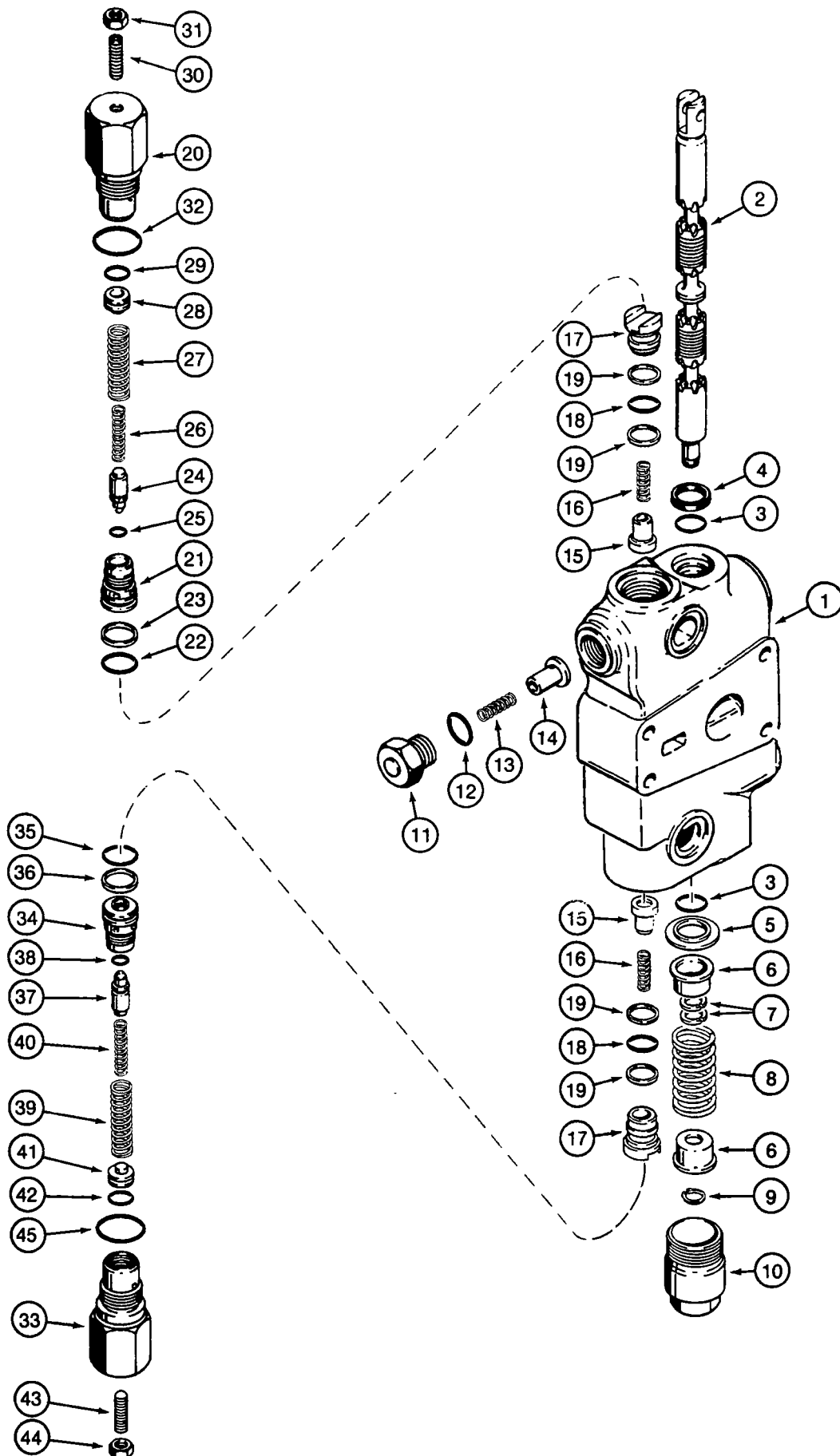
8-103

REF.	PART NO.	DESCRIPTION	REQ'D.
	144321A5	SECTION ASSEMBLY - boom, with circuit relief valves and anticavitation valve	1
1	NSS	HOUSING - boom section	1
2	NSS	SPOOL - boom section	1
3	*1994608C1	O-RING - spool.	2
4	*65457C1	SEAL - oil, spool.	1
5	G102711	RETAINER - O-ring	1
6	G33075	SEAT - centering spring	2
7	G106410	SPACER - spool.	2
8	1994596C1	SPRING - centering, purple, 2-15/16 inch free length, spool.	1
9	100-1647	RING - heavy external retaining, No. 47, spool end.	1
10	G33080	CAP - centering spring, spool end	1
	1346221C2	VALVE ASSEMBLY - anticavitation (order items 11-14)	1
11	G34937	PLUG - anticavitation valve.	1
12	*237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
13	G34458	SPRING - anticavitation valve.	1
14	G34938	POPPET - anticavitation valve	1
	1346219C3	VALVE ASSEMBLY - load check, hollow poppet pin	2
15	1343777C1	POPPET - hollow poppet pin with orifice, load check	1
16	1346175C1	SPRING - load check	1
17	1343708C1	PLUG - load check	1
18	*238-6016	O-RING - 5/8 ID x 1/16 inch wide, plug.	1
19	*G103862	RING - backup, plug O-ring	2
	**G109391	VALVE ASSEMBLY - circuit relief, 3200 psi, upper, boom section, used in production, order G109449 kit for service	1
20	NSS	HOUSING - circuit relief valve	1
21	NSS	SEAT - circuit relief valve	1
22	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, circuit relief valve seat	1
23	*G35540	RING - backup, seat O-ring	1
24	NSS	POPPET - circuit relief valve.	1
25	NSS	O-RING - poppet.	1
26	NSS	SPRING - relief, outer.	1
27	NSS	SPRING - relief, inner	1
28	NSS	PISTON - circuit relief valve	1
29	NSS	O-RING - piston	1
30	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point	1
31	425-155	NUT - hex, jam, 5/16 inch NF	1
32	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, housing.	1
	*1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required in this application	1
	**G109449	KIT - service, for G109391 circuit relief valve, kit includes an instruction sheet and G109447 circuit relief valve (items 20-32) which is the same as G109391 except with a different pressure setting.	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

Continued on next page

8-104



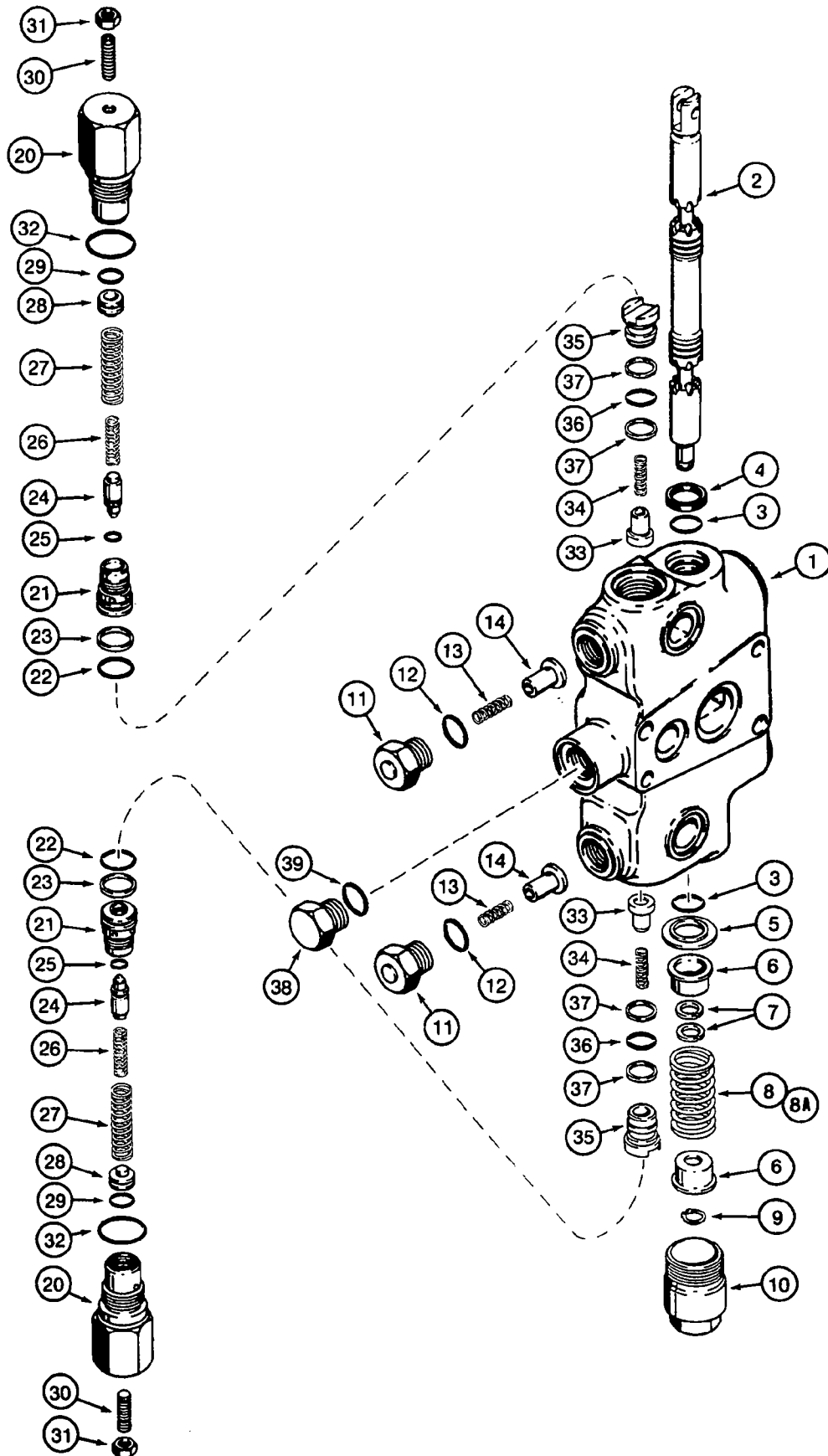
570LXT and 580L Series 2
BACKHOE CONTROL VALVE
BOOM SECTION

8-105

REF.	PART NO.	DESCRIPTION	REQ'D.
	144321A5	SECTION ASSEMBLY - boom, with circuit relief and anticavitation valves, continued from previous page	1
	* 1346023C1	VALVE ASSEMBLY - circuit relief, lower, boom section, used in production, order G110077 kit for service	1
33	NSS	HOUSING - circuit relief valve	1
34	NSS	SEAT - circuit relief valve	1
35	** 238-6018	O-RING - 3/4 ID x 1/16 inch wide, circuit relief valve seat	1
36	** G35540	RING - backup, seat O-ring	1
37	NSS	POPPET - circuit relief valve	1
38	NSS	O-RING - poppet	1
39	NSS	SPRING - relief, outer	1
40	NSS	SPRING - relief, inner	1
41	NSS	PISTON - circuit relief valve	1
42	NSS	O-RING - piston	1
43	484-43120	SCREW - set, hex socket headless, 5/16 NF x 1-1/4 inch, oval point	1
44	425-155	NUT - hex, jam, 5/16 inch NF	1
45	** 237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, housing	1
	* G110077	KIT - service, for 1346023C1 circuit relief valve, kit includes an instruction sheet and G110078 circuit relief valve (items 33-45) which is the same as 1346023C1 except with a different pressure setting	1
	** 1346105C2	KIT - seal, includes above items marked with a double asterisk, plus additional O-rings not required for this application	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

8-106



570LXT and 580L Series 2

BACKHOE CONTROL VALVE

SWING SECTIONS

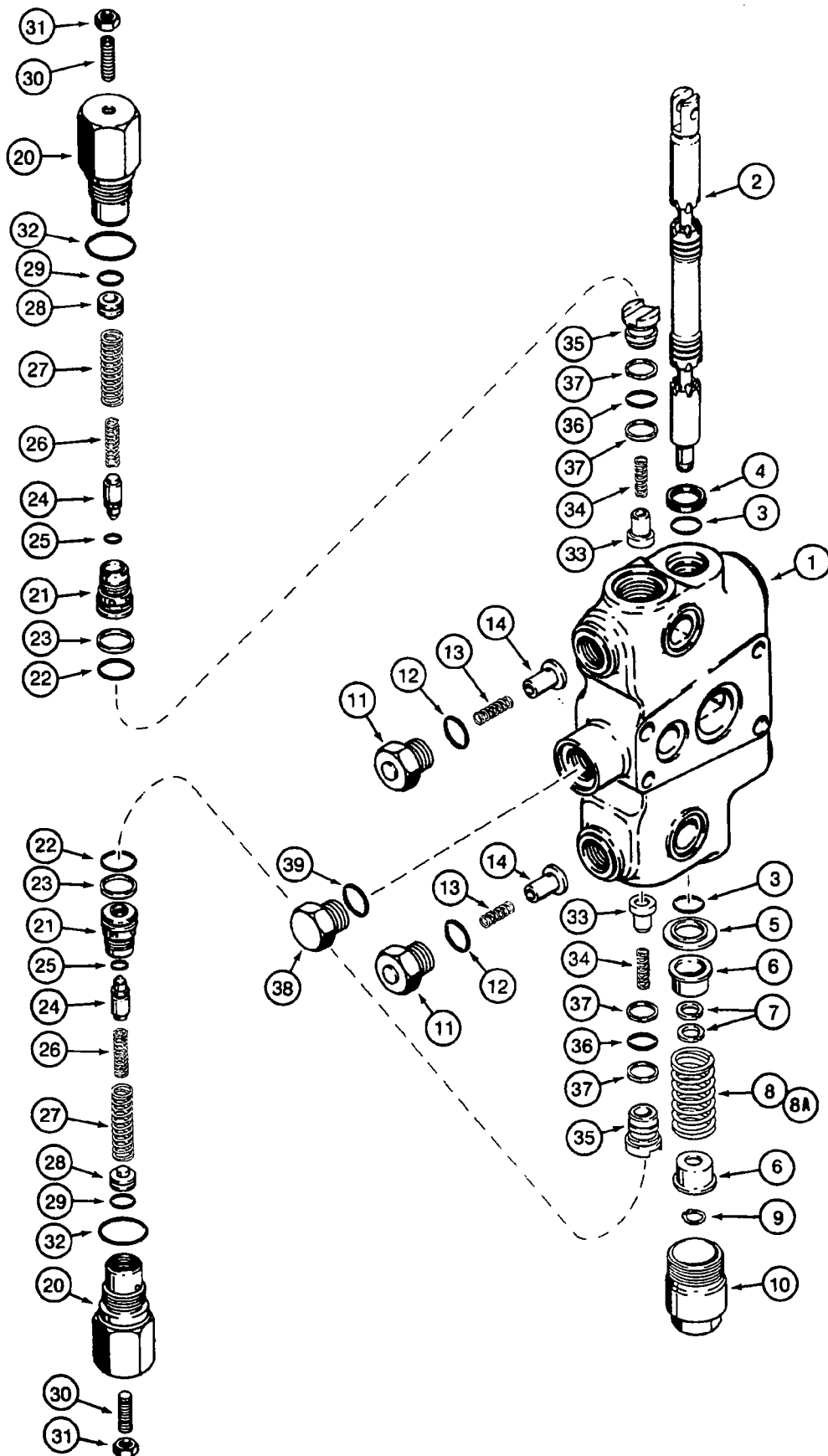
8-107

REF.	PART NO.	DESCRIPTION	REQ'D.
	144681A5	SECTION ASSEMBLY - swing, uses item 8 spring, foot swing control valves, with circuit relief and anticavitation valves.	1
	144682A5	SECTION ASSEMBLY - swing, uses item 8A spring, hand swing control valves, with circuit relief and anticavitation valves.	1
1	NSS	HOUSING - swing section	1
2	NSS	SPOOL - swing section	1
3	* 1994608C1	O-RING - spool.	2
4	* 65457C1	SEAL - oil, spool.	1
5	G102711	RETAINER - O-ring	1
6	G33075	SEAT - centering spring	2
7	G106410	SPACER - spool.	2
8	1986722C1	SPRING - centering, 2-1/4 inch free length, spool, used in 144681A5 swing section	1
8A	1994596C1	SPRING - centering, purple, 2-15/16 inch free length, spool, used in 144682A5 swing section	1
9	100-1647	RING - heavy external retaining, No. 47, spool end.	1
10	G33080	CAP - centering spring, spool end	1
	1346221C2	VALVE ASSEMBLY - anticavitation (order items 11-14)	2
11	G34937	PLUG - anticavitation valve.	1
12	* 237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
13	G34458	SPRING - anticavitation valve.	1
14	G34938	POPPET - anticavitation valve	1
	** G107786	VALVE ASSEMBLY - circuit relief, swing section, used in production, order G109449 kit for service	2
20	NSS	HOUSING - circuit relief valve	1
21	NSS	SEAT - circuit relief valve	1
22	* 238-6018	O-RING - 3/4 ID x 1/16 inch wide	1
23	* G35540	RING - backup, seat O-ring	1
24	NSS	POPPET - circuit relief valve.	1
25	NSS	O-RING - poppet.	1
26	NSS	SPRING - relief, inner	1
27	NSS	SPRING - relief, outer	1
28	NSS	PISTON - circuit relief valve	1
29	NSS	O-RING - piston	1
30	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point	1
31	425-155	NUT - hex, jam, 5/16 inch NF	1
32	* 237-6012	O-RING - 59/64 ID x 7/64 inch wide, large, housing.	1
	* 1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1
	** G109449	KIT - service, for G107786 circuit relief valve, kit includes an instruction sheet and G109447 circuit relief valve (items 20-32) which is the same as G107786 except with a different pressure setting.	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

Continued on next page

8-108



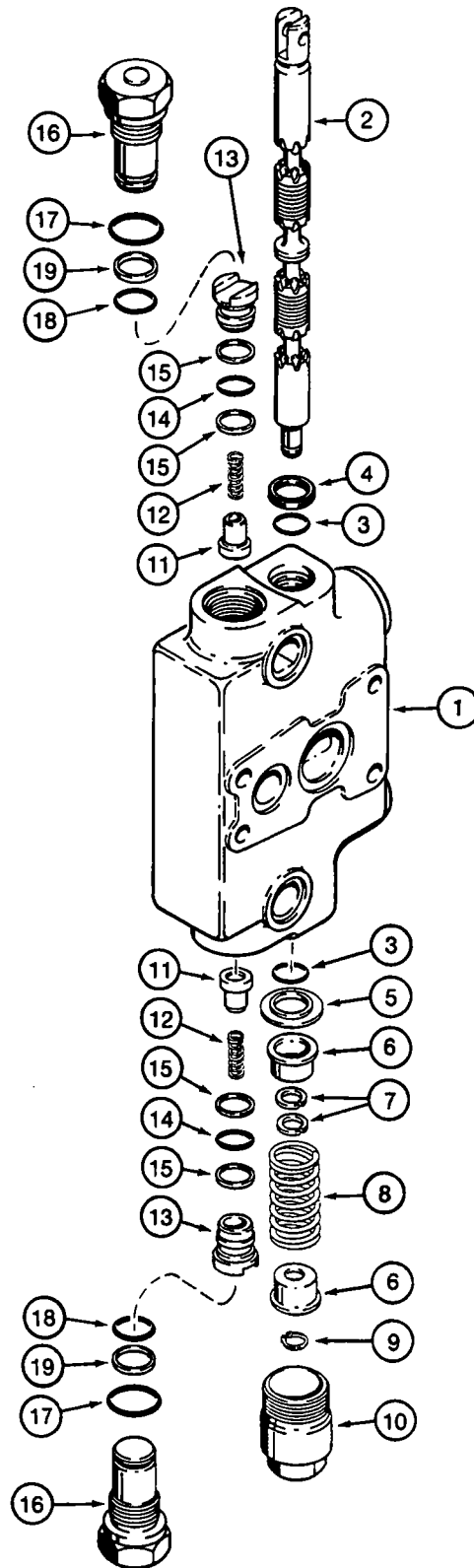
570LXT and 580L Series 2
BACKHOE CONTROL VALVE
SWING SECTION

8-109

REF.	PART NO.	DESCRIPTION	REQ'D.
	REF	SECTION ASSEMBLY - swing, continued from previous page.	1
	1346219C3	VALVE ASSEMBLY - load check, hollow poppet pin.	2
33	1343777C1	POPPET - hollow poppet pin with orifice, load check.	1
34	1346175C1	SPRING - load check.	1
35	1343708C1	PLUG - load check.	1
36	* 238-6016	O-RING - 5/8 ID x 1/16 inch wide.	1
37	* G103862	RING - backup, plug O-ring.	2
38	218-5156	PLUG - hex, 3/4-16 inch O-ring boss, outlet section.	1
39	237-6008	O-RING - 41/64 ID x 3/32 inch wide.	1
	* 1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

8-110

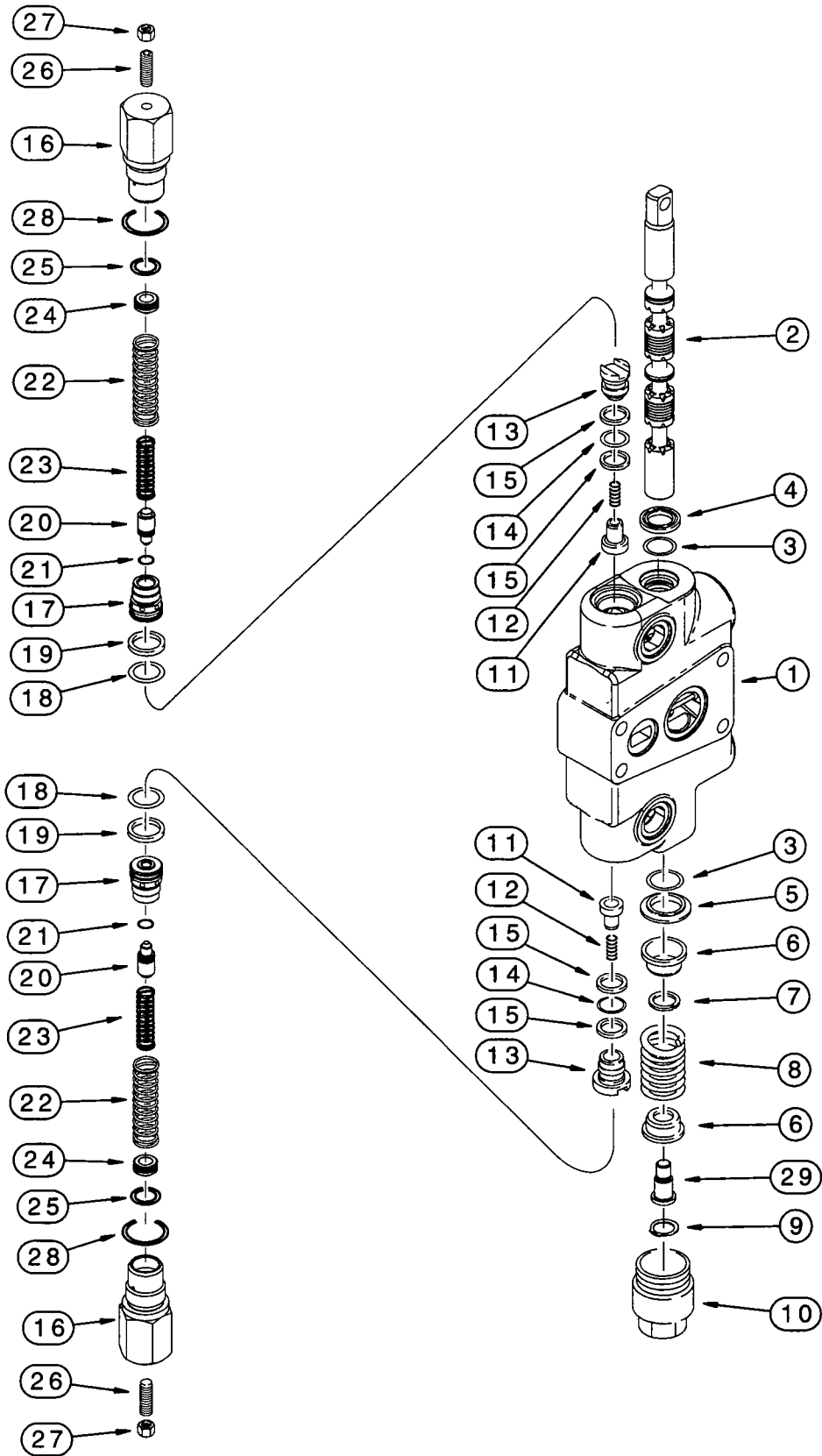


570LXT and 580L Series 2
BACKHOE CONTROL VALVE
DIPPER EXTENSION SECTION

8-111

REF.	PART NO.	DESCRIPTION	REQ'D.
	144324A4	SECTION ASSEMBLY - dipper extension.	1
1	NSS	HOUSING - dipper extension.	1
2	NSS	SPOOL - dipper extension	1
3	*1994608C1	O-RING - spool.	2
4	*65457C1	SEAL - oil, spool.	1
5	G102711	RETAINER - O-ring	1
6	G33075	SEAT - centering spring	2
7	G106410	SPACER - spool.	2
8	1994596C1	SPRING - centering, purple, 2-15/16 inch free length, spool	1
9	100-1647	RING - heavy external retaining, No. 47, spool end.	1
10	G33080	CAP - centering spring, spool end	1
	1346219C3	VALVE ASSEMBLY - load check, hollow poppet pin.	2
11	1343777C1	POPPET - hollow poppet pin with orifice, load check.	1
12	1346175C1	SPRING - load check	1
13	1343708C1	PLUG - load check	1
14	*238-6016	O-RING - 5/8 ID x 1/16 inch wide	1
15	*G103862	RING - backup, plug O-ring	2
	G33122	PLUG ASSEMBLY - relief	2
16	NSS	PLUG - relief	1
17	*237-6012	O-RING - 59/64 ID x 7/64 inch wide, plug, large.	1
18	*238-6018	O-RING - 3/4 ID x 1/16 inch wide, plug, small	1
19	*G35540	RING - backup, small O-ring.	1
	*1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1

8-112



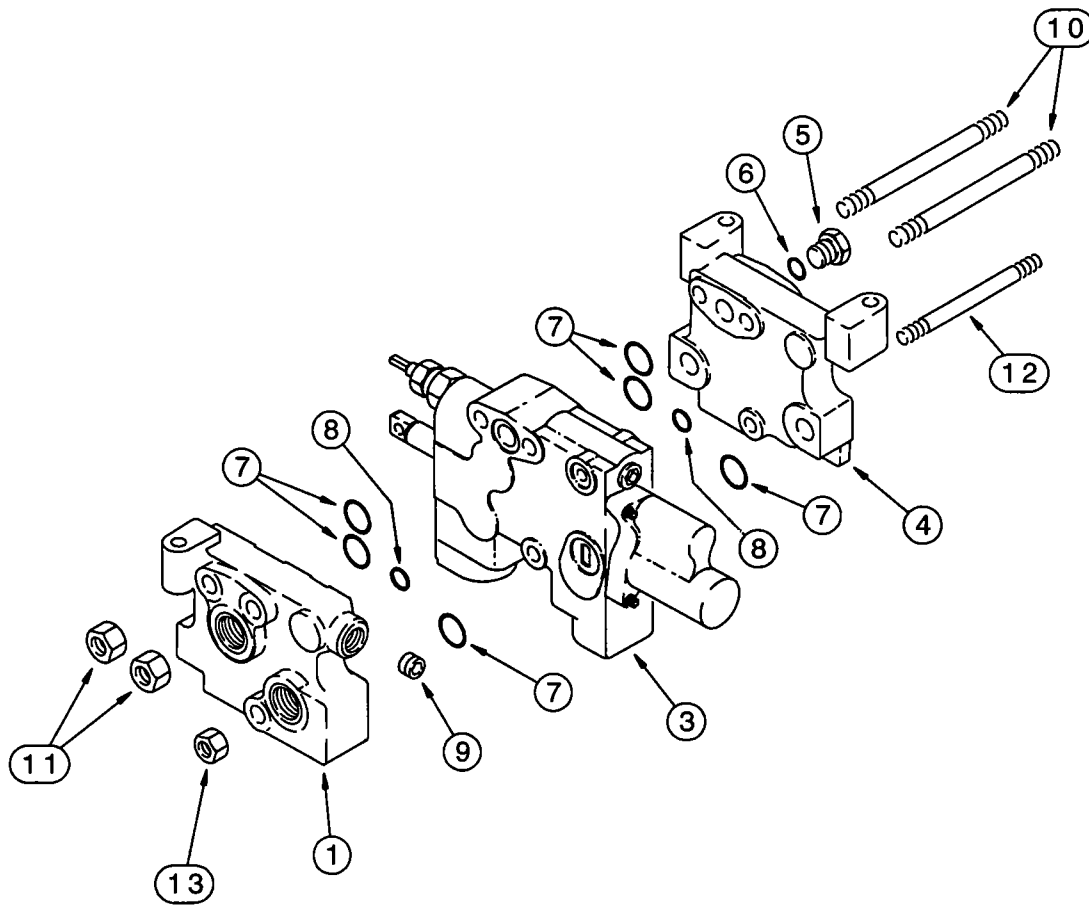
570LXT and 580L Series 2**8-113**

BACKHOE CONTROL VALVE **OPTIONS, AUXILIARY HYDRAULICS SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	294198A1	SECTION ASSEMBLY - options, auxiliary hydraulics, with circuit relief valves.	1
1	NSS	HOUSING - bucket section	1
2	NSS	SPOOL - bucket section.	1
3	* 1994608C1	O-RING - spool.	2
4	* 65457C1	SEAL - oil	1
5	G102711	RETAINER - O-ring	1
6	G33075	SEAT - centering spring	2
7	G106410	SPACER - spool.	1
8	1994596C1	SPRING - centering, purple, 2-15/16 inch free length, spool	1
9	100-1647	RING - heavy external retaining, No. 47, spool end.	1
10	G33080	CAP - centering spring, spool end	1
	1346219C3	VALVE ASSEMBLY - load check, hollow poppet pin.	2
11	1343777C1	POPPET - hollow poppet pin with orifice, load check.	1
12	1346175C1	SPRING - load check	1
13	1343708C1	PLUG - load check	1
14	* 238-6016	O-RING - 5/8 ID x 1/16 inch wide, plug.	1
15	* G103862	RING - backup, plug O-ring	2
	** G109391	VALVE ASSEMBLY - circuit relief, 3200 psi, options section, used in production, order G109449 kit for service	2
16	NSS	HOUSING - circuit relief valve	1
17	NSS	SEAT - circuit relief valve	1
18	* 238-6018	O-RING - 3/4 ID x 1/16 inch wide, circuit relief valve seat	1
19	* G35540	RING - backup, seat O-ring	1
20	NSS	POPPET - circuit relief valve.	1
21	NSS	O-RING - poppet.	1
22	NSS	SPRING - relief, outer	1
23	NSS	SPRING - relief, inner	1
24	NSS	PISTON - circuit relief valve	1
25	NSS	O-RING - 1/2 ID x 1/16 inch wide	1
26	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point	1
27	425-155	NUT - hex, jam, 5/16 inch NF	1
28	* 237-6012	O-RING - 59/64 ID x 7/64 inch wide, housing.	1
29	G106409	SCREW - spool end.	1
	* 1346105C2	KIT - seal, includes above items marked with an asterisk, plus additional O-rings not required for this application.	1
	** G109449	KIT - service, for G109391 circuit relief valve, kit includes an instruction sheet and G109447 circuit relief valve (items 16-28) which is the same as G109391 except with a different pressure setting.	1

NOTE: The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve or according to the service manual.

8-114



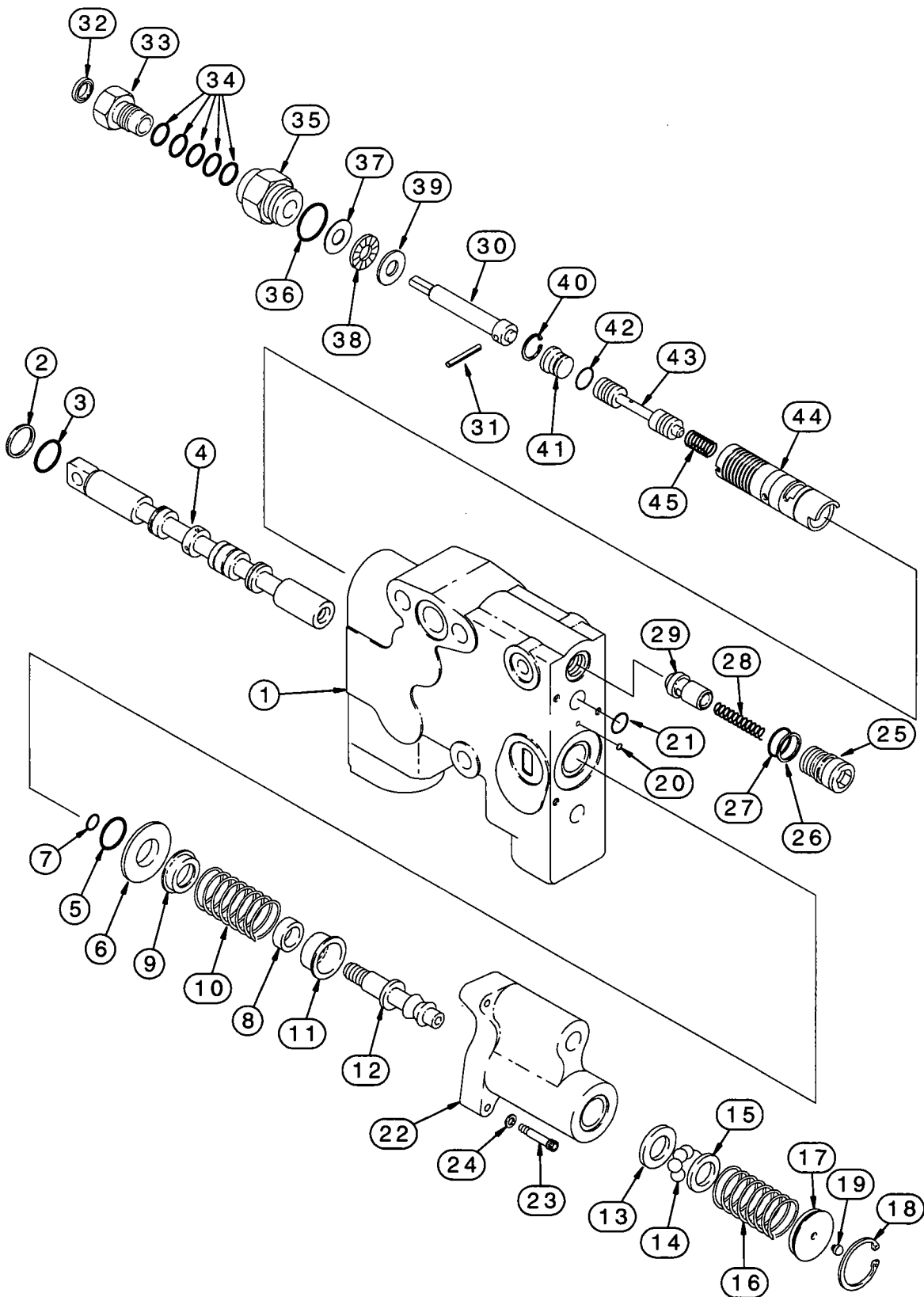
570LXT and 580L Series 2

8-115

**AUXILIARY VALVE
HAND HELD HYDRAULICS
ONE SPOOL**

REF.	PART NO.	DESCRIPTION	REQ'D.
	121741A1	VALVE ASSEMBLY - auxiliary, for hand held hydraulics	1
1	121638A2	MANIFOLD - cover, inlet/outlet	1
3	131197A1	SECTION ASSEMBLY - hand held auxiliary hydraulics, parts list page 8-117	1
4	121639A2	MANIFOLD - cover, power beyond	1
5	218-5158	PLUG - hex, 1-1/16-12 inch O-ring boss	1
6	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
7	238-6117	O-RING - 13/16 ID x 3/32 inch wide, section ports, large	6
8	238-6112	O-RING - 1/2 ID x 3/32 inch wide, section ports, small	2
9	137039A1	PLUG - hex socket	1
10	1346129C3	STUD - tie	2
11	829-1312	NUT - hex, 12 mm - 1.75, class 10	4
12	1346128C3	STUD - tie	1
13	829-1310	NUT - hex, 10 mm - 1.5, class 10.9	2

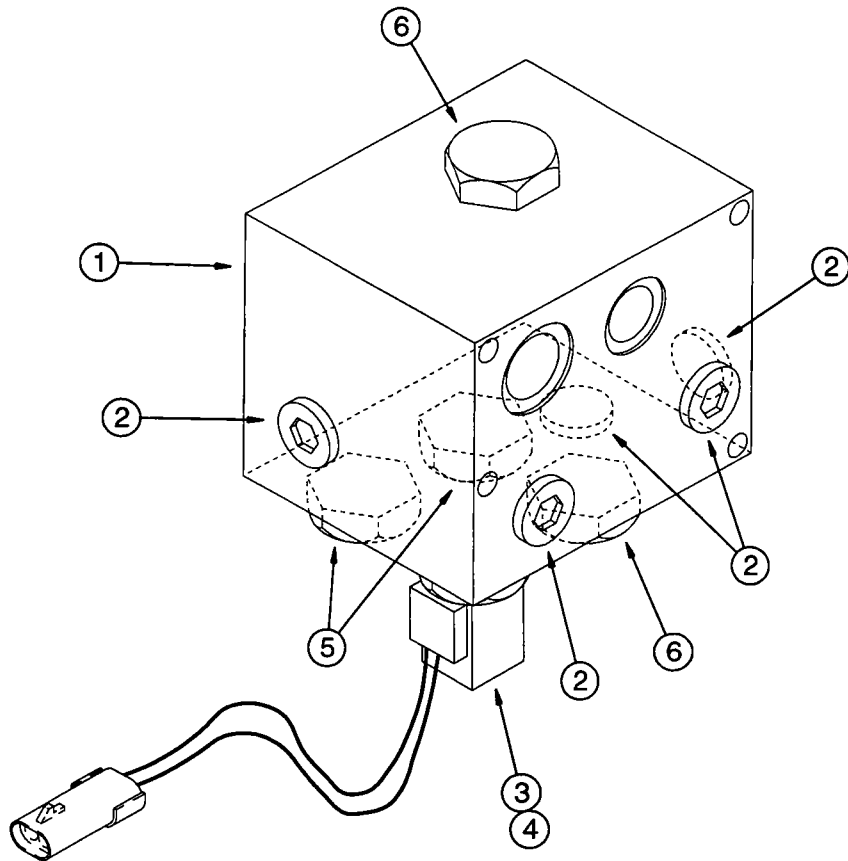
8-116



570LXT and 580L Series 2**8-117****AUXILIARY VALVE
HAND HELD SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	131197A1	SECTION ASSEMBLY - hand held auxiliary hydraulics	1
1	NSS	HOUSING - section	1
2	71121	WIPER - shaft seal	1
3	G110391	O-RING - spool	1
	131196A1	SPOOL ASSEMBLY - detent	1
4	NSS	SPOOL - detent	1
5	G110391	O-RING - spool	1
6	G108630	RETAINER - O-ring	1
7	237-6002	O-RING - 1/4 ID x 1/16 inch wide	1
8	1980085C1	STOP - spool	1
9	G108914	SEAT - spring, upper	1
10	130932A1	SPRING - centering	1
11	G108913	SEAT - spring, lower	1
12	307208A1	SHAFT - detent, with Loctite	1
13	G108912	WASHER - detent, ball	1
14	211-1007	BALL - chrome alloy steel, 7/32 inch, grade 24	8
15	G108911	WASHER - detent, ball	1
16	130919A1	SPRING - detent	1
17	1341975C1	RETAINER - detent, spring	1
18	100-21118	RING - internal retaining, No. 118	1
19	G107780	PLUG - check valve	1
20	238-6011	O-RING - 5/16 ID x 1/16 inch wide	1
21	238-6015	O-RING - 9/16 ID x 1/16 inch wide	1
22	129391A1	HOUSING - detent	1
23	61-31016	BOLT - hex socket, 10 NC x 1 inch, detent housing retaining	3
24	495-11022	WASHER - flat, 7/32 x 7/16 x 3/64 inch	3
	1542563C1	VALVE ASSEMBLY - check	1
25	NSS	PLUG - load check	1
26	G108723	RING - backup	1
27	238-6015	O-RING - 9/16 ID x 1/16 inch wide	1
28	1994581C1	SPRING - load check	1
29	1543329C1	PLUG - poppet	1
	1343791C2	KIT - flow control adjustment, includes an instruction sheet (order items 30-39)	1
30	1980302C2	ROD ASSEMBLY - adjusting, flow control	1
31	38-1812	PIN - roll, 1/8 x 3/4 inch	1
32	G101066	SEAL - oil, adjusting rod	1
33	1980227C1	NUT - compression	1
34	1986628C1	O-RING - 3/8 ID x 9/16 inch wide, rod seal	5
35	1980226C1	PLUG - adjusting, flow	1
36	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
37	G108956	RACE - bearing, thin	1
38	F13537	BEARING - thrust	1
39	G108957	RACE - bearing, thick	1
	1994677C1	SLEEVE ASSEMBLY - control	1
40	100-2156	RING - internal retaining, No. 56	1
41	1346312C2	PLUG - sleeve	1
42	238-6012	O-RING - 3/8 ID x 1/16 inch wide	1
43	1957856C1	SPOOL - flow control, select fit with item 44 sleeve, must retain together	1
44	1957855C3	SLEEVE - flow control	1
45	1957887C1	SPRING - control, flow control, not included in sleeve assembly	1

8-117A

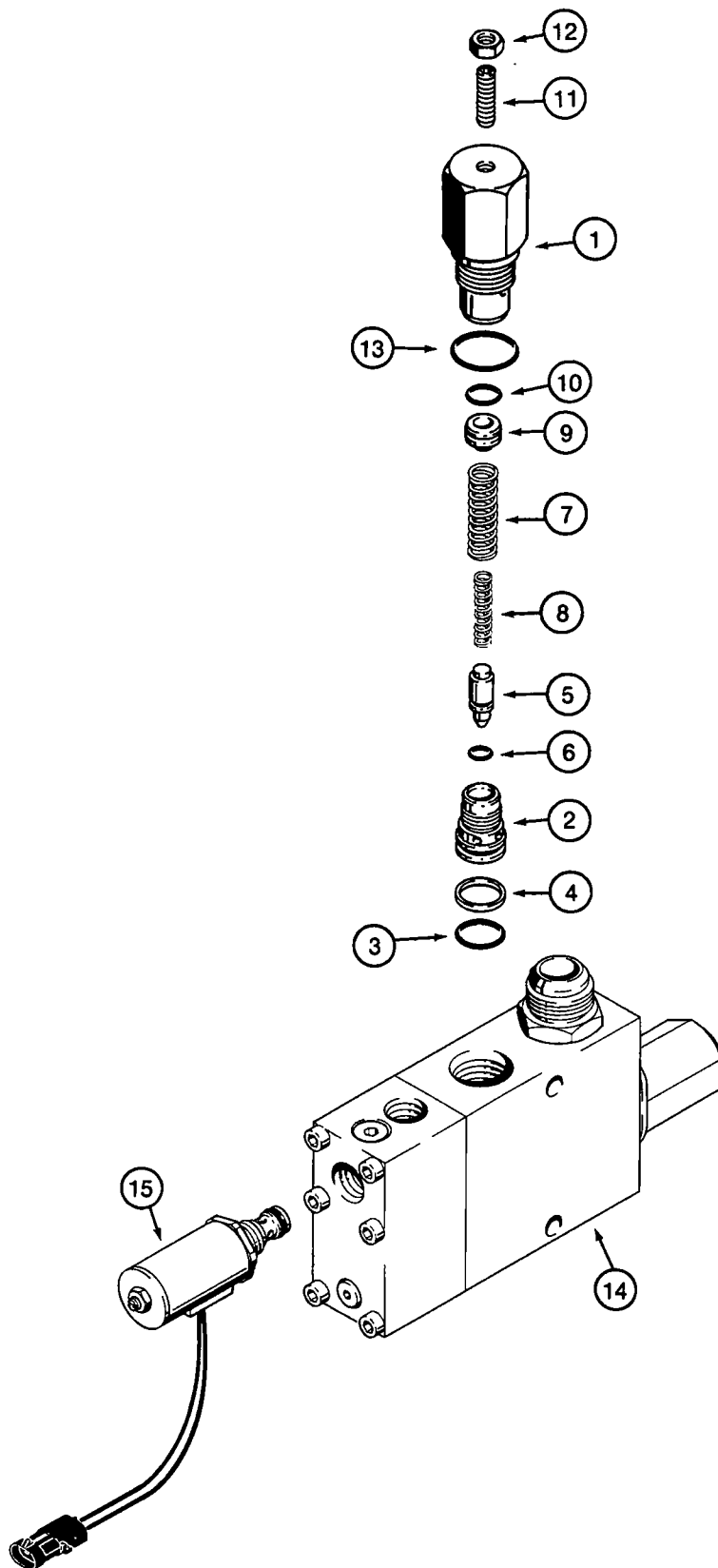


570LXT and 580L Series 2
AUXILIARY BACKHOE VALVE

8-117B

REF.	PART NO.	DESCRIPTION	REQ'D.
	301132A1	VALVE ASSEMBLY - auxiliary, backhoe	1
1	NSS	BODY - valve	1
2	NSS	PLUG - hex socket	5
3	309790A1	VALVE - solenoid, two way, normally open, component parts not serviced separately	1
4	309791A1	COIL - solenoid	2
5	309789A1	VALVE - check, component parts not serviced separately	2
6	309788A1	VALVE - check, component parts not serviced separately	1
7	309784A1	VALVE - solenoid, two way, normally open, component parts not serviced separately	1
	309787A1	KIT - seal, includes (2) O-rings and (1) backup ring which are not serviced separately, not shown	5

8-118



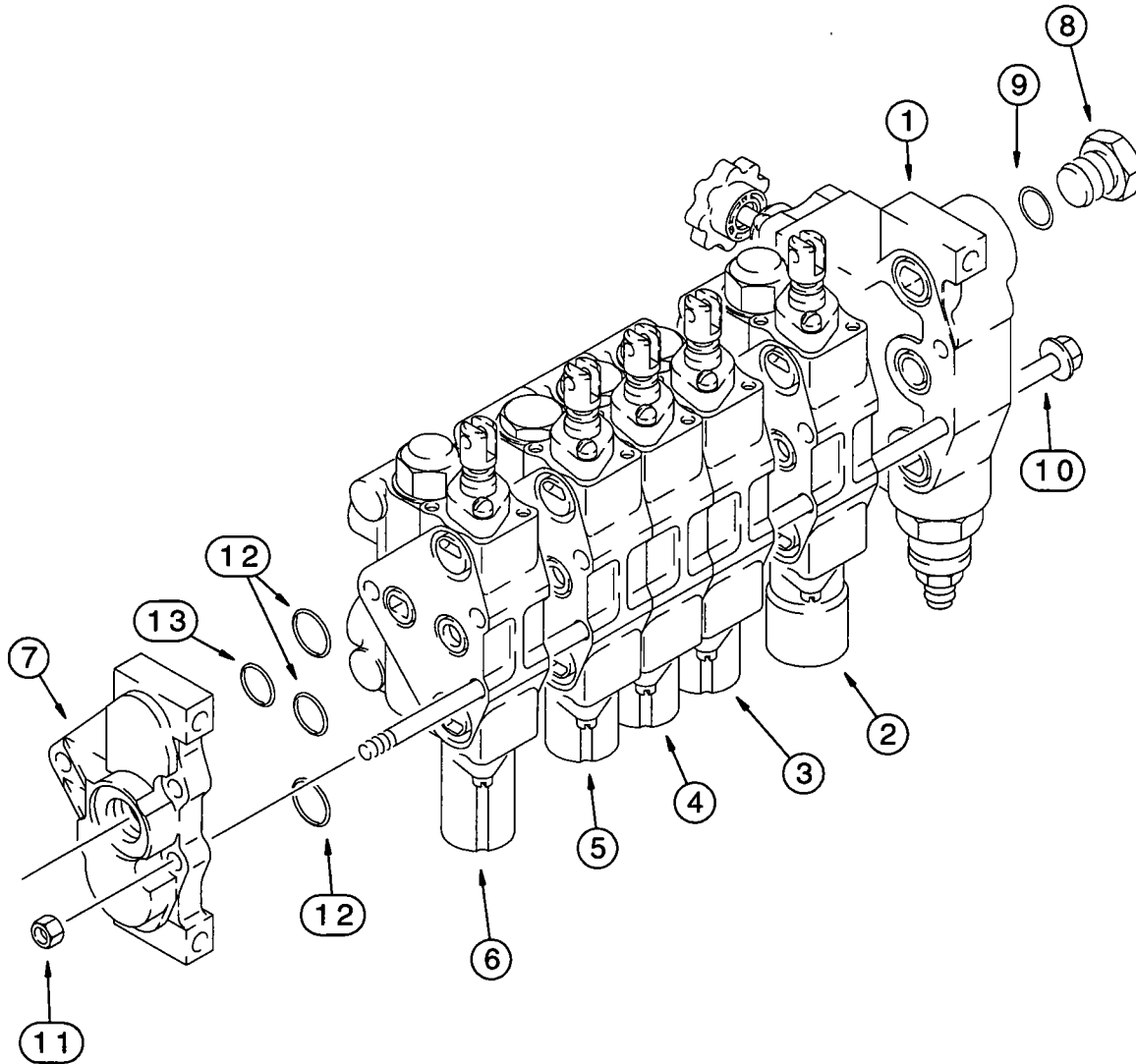
570LXT and 580L Series 2
BOOM LOCK SOLENOID VALVE

8-119

REF.	PART NO.	DESCRIPTION	REQ'D.
	189957A1	VALVE ASSEMBLY - solenoid, backhoe boom lock, includes (2) 321-6046 warning decals, see page 9-183 for decal.	1
	* G110467	RELIEF ASSEMBLY - circuit, solenoid, used in production, order G110077 kit for service	1
1	NSS	BODY - relief valve	1
2	NSS	SEAT - relief valve	1
3	238-6018	O-RING - 3/4 ID x 1/16 inch wide, relief valve seat	1
4	G35540	RING - backup, seat O-ring	1
5	NSS	POPPET - relief valve	1
6	NSS	O-RING - poppet	1
7	NSS	SPRING - relief, outer	1
8	NSS	SPRING - relief, inner	1
9	NSS	PISTON - relief valve	1
10	NSS	O-RING - piston	1
11	484-43116	SCREW - set, hex socket headless, 5/16 NF x 1 inch, oval point	1
12	425-155	NUT - hex, jam, 5/16 inch NF	1
13	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
14	NSS	BODY - solenoid.	1
15	221168A1	SOLENOID - relief, with connector, 12 volt	1
	D150781	KIT - repair, includes (3) springs, (1) ball, (1) poppet, and (1) plug which are not serviced separately and D150810 seal kit, not shown.	1
	D150810	KIT - seal, includes (9) O-rings and (2) backup rings which are not service separately, not shown.	1
	* G110077	KIT - service, for G110467 circuit relief valve, includes G110078 circuit relief valve assembly (items 1 through 13) and an instruction sheet.	1

*** NOTE:** The pressure setting of the repair circuit relief valve is not preset for this application. Adjust the setting according to the instructions sent with the repair valve.

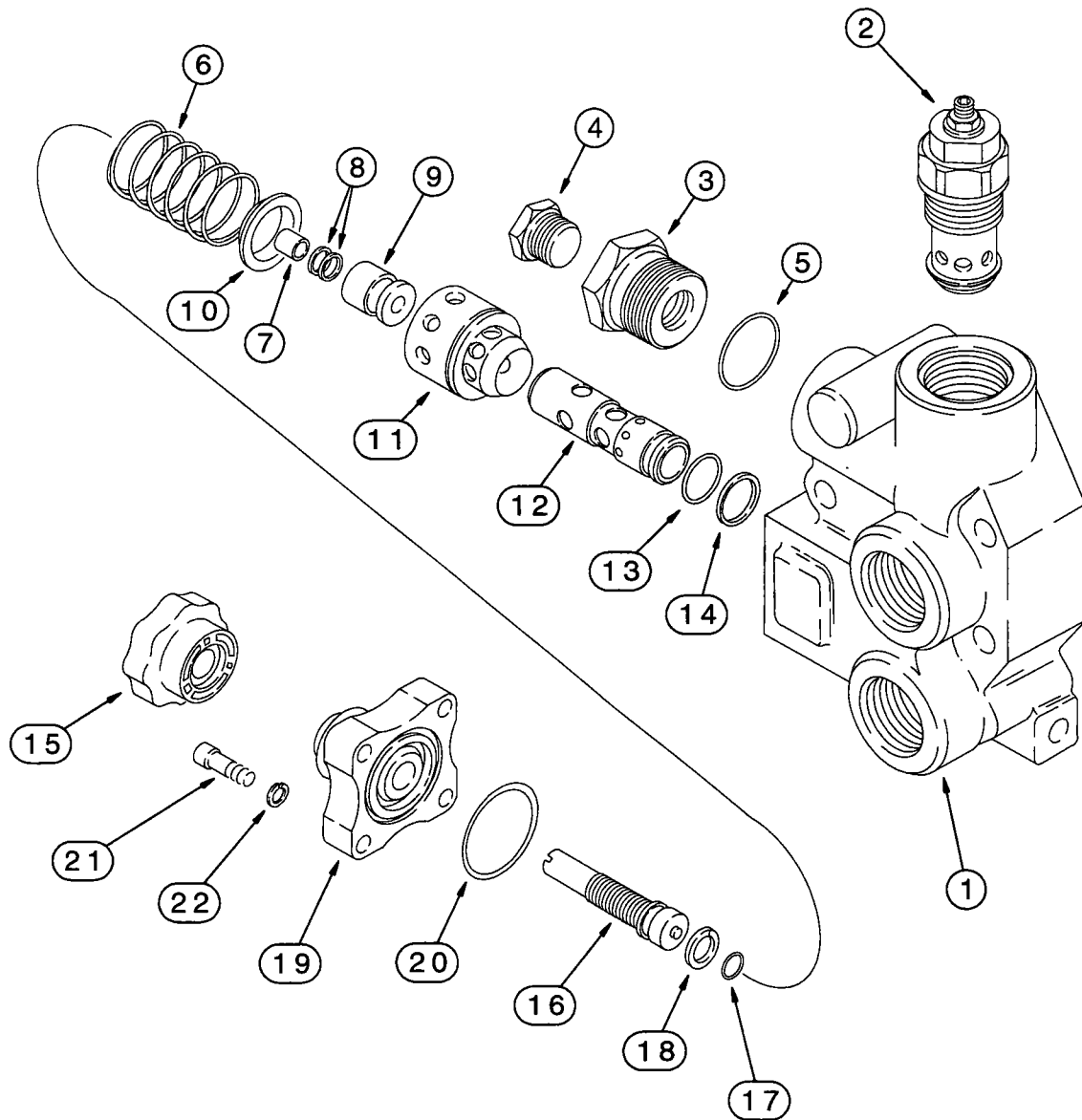
8-120



570LXT and 580L Series 2**8-121****THREE-POINT HITCH CONTROL VALVE
FIVE SPOOL VALVE ASSEMBLY**

REF.	PART NO.	DESCRIPTION	REQ'D.
	142252A2	VALVE ASSEMBLY - three-point hitch control, five spool.	1
1	224452A1	SECTION ASSEMBLY - inlet/outlet, parts list page 8-123.	1
2	224453A1	SECTION ASSEMBLY - auxiliary, parts list page 8-131	1
3	224454A1	SECTION ASSEMBLY - implement, parts list page 8-129.	1
4	224454A1	SECTION ASSEMBLY - tilt, parts list page 8-129, this section may also be a tilt section on some models, see note.	1
5	224454A1	SECTION ASSEMBLY - pitch, parts list page 8-129, this section may also be a pitch section on some models, see note.	1
6	224455A1	SECTION ASSEMBLY - lift, parts list page 8-127	1
	D122553	SECTION ASSEMBLY - end, cover plate	1
7	NSS	PLATE - cover.	1
8	218-5158	PLUG - hex, 1-1/16-12 inch O-ring boss.	1
9	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
10	18-1038	BOLT - tie, 3/8 NF x 11-1/4 inch.	3
11	425-116	NUT - hex, 3/8 inch NF.	3
12	*238-5119	O-RING - 15/16 ID x 3/32 inch wide.	18
13	*238-6117	O-RING - 13/16 ID x 3/32 inch wide.	6
	*S302092	KIT - seal, between sections, includes seals for one section, both 1/16 and 3/32 inch wide.	UAR

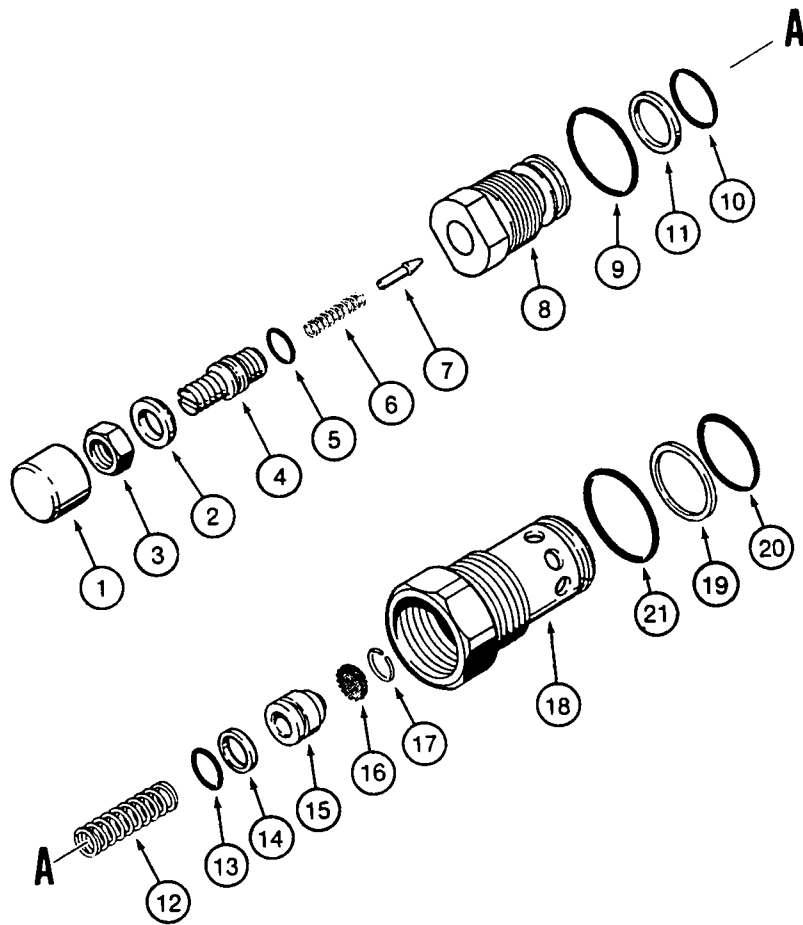
8-122



570LXT and 580L Series 2**8-123****THREE-POINT HITCH CONTROL VALVE
INLET/OUTLET SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	224452A1	SECTION ASSEMBLY - inlet/outlet, flow control.	1
1	NSS	HOUSING - inlet/outlet section.	1
2	N8191	VALVE ASSEMBLY - main relief, parts list page 8-125.	1
	N7109	PLUG ASSEMBLY - section ports	1
3	NSS	PLUG - section port	1
4	221-841	PLUG - hex socket, 1/4 inch PT	1
5	237-6012	O-RING - 59/64 ID x 7/64 inch wide	1
	N7110	CONTROL ASSEMBLY - flow	1
6	L35302	SPRING - flow control.	1
7	NSS	SLEEVE - piston	1
8	NSS	SHIM - sleeve	UAR
9	NSS	PISTON - flow control	1
10	L35301	COLLAR - metering sleeve	1
11	NSS	SLEEVE - metering.	1
12	NSS	GUIDE - sleeve, flow control.	1
13	238-6016	O-RING - 5/8 ID x 1/16 inch wide	1
14	L35297	RING - backup	1
	N7111	REGULATOR ASSEMBLY - flow control	1
15	D54188	KNOB - regulator assembly	1
16	NSS	SCREW - adjusting	1
17	238-6012	O-RING - 3/8 ID x 1/16 inch wide	1
18	S99877	RING - backup	1
19	NSS	COVER - regulator	1
20	A16755	O-RING - cover	1
21	61-32514	BOLT - hex socket, 1/4 NC x 7/8 inch.	4
22	492-11025	WASHER - lock, 1/4 inch	4

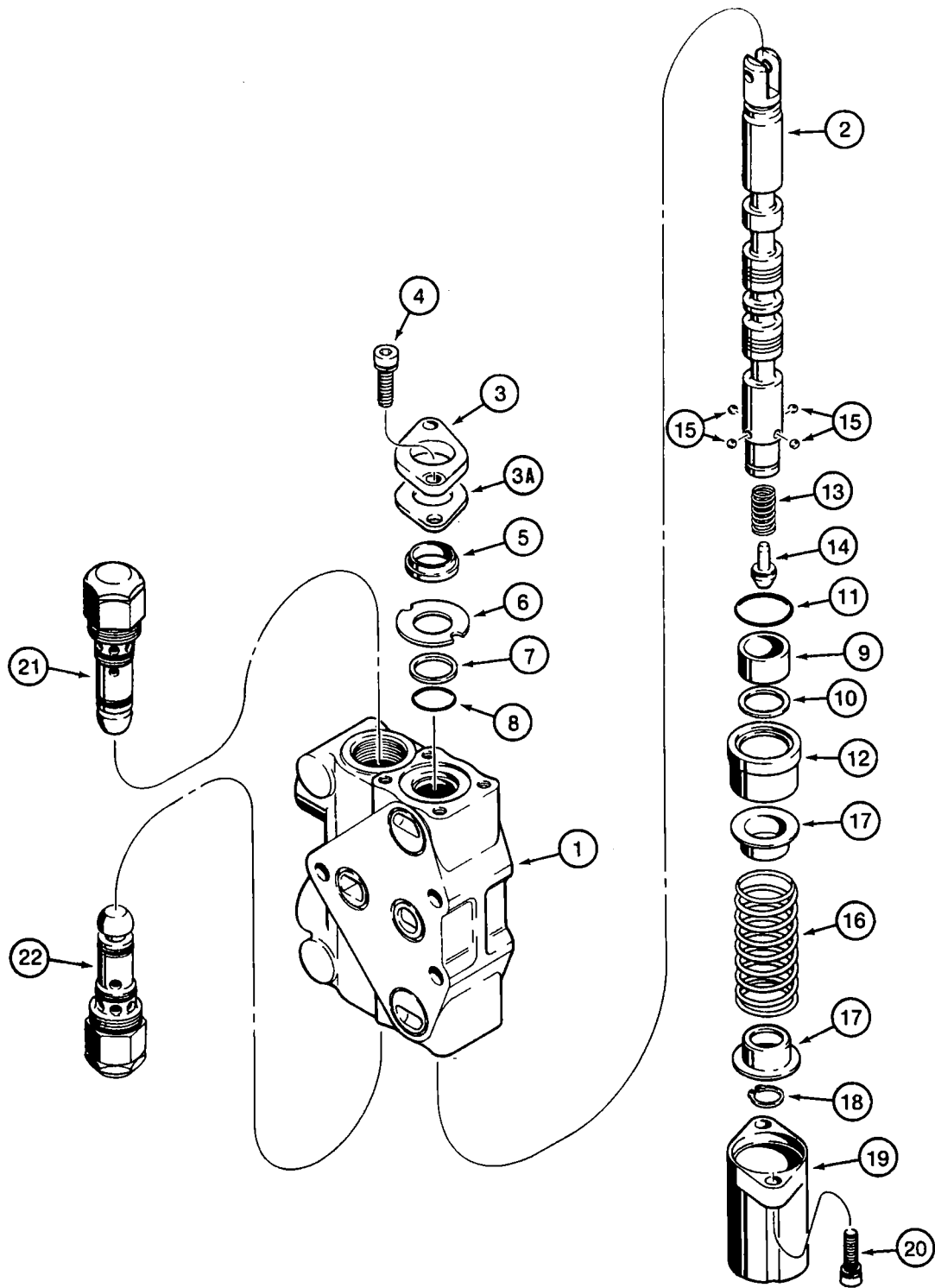
8-124



570LXT and 580L Series 2**8-125****THREE-POINT HITCH CONTROL VALVE
INLET/OUTLET SECTION MAIN RELIEF VALVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	N8191	VALVE ASSEMBLY - main relief, inlet/outlet section	1
1	NSS	COVER - tamper proof, if used	1
2	N9475	WASHER - special	1
3	425-156	NUT - hex, jam, 3/8 inch NF.	1
4	N9463	SCREW - adjusting	1
5	*238-5012	O-RING - 3/8 ID x 1/16 inch wide.	1
6	N9465	SPRING - poppet	1
7	N9464	POPPET - relief valve	1
8	N9769	BODY - pilot plunger	1
9	*238-5019	O-RING - 13/16 ID x 1/16 inch wide, pilot body, large	1
10	*A55911	O-RING - pilot body, small	1
11	*N9768	RING - backup, small O-ring	1
12	S300250	SPRING - poppet, poppet	1
13	*238-7113	O-RING - 9/16 ID x 3/32 inch wide.	1
14	*S84196	RING - backup	1
15	S300249	POPPET - relief valve	1
16	S300248	SCREEN - poppet, poppet	1
17	N9473	RING - retaining	1
18	NSS	BODY - relief valve.	1
19	*N8197	RING - backup	1
20	*238-6022	O-RING - 1 ID x 1/16 inch wide	1
21	*238-6023	O-RING - 1-1/16 ID x 1/16 inch wide	1
	*106721A1	KIT - seal, includes above items marked with an asterisk.	1

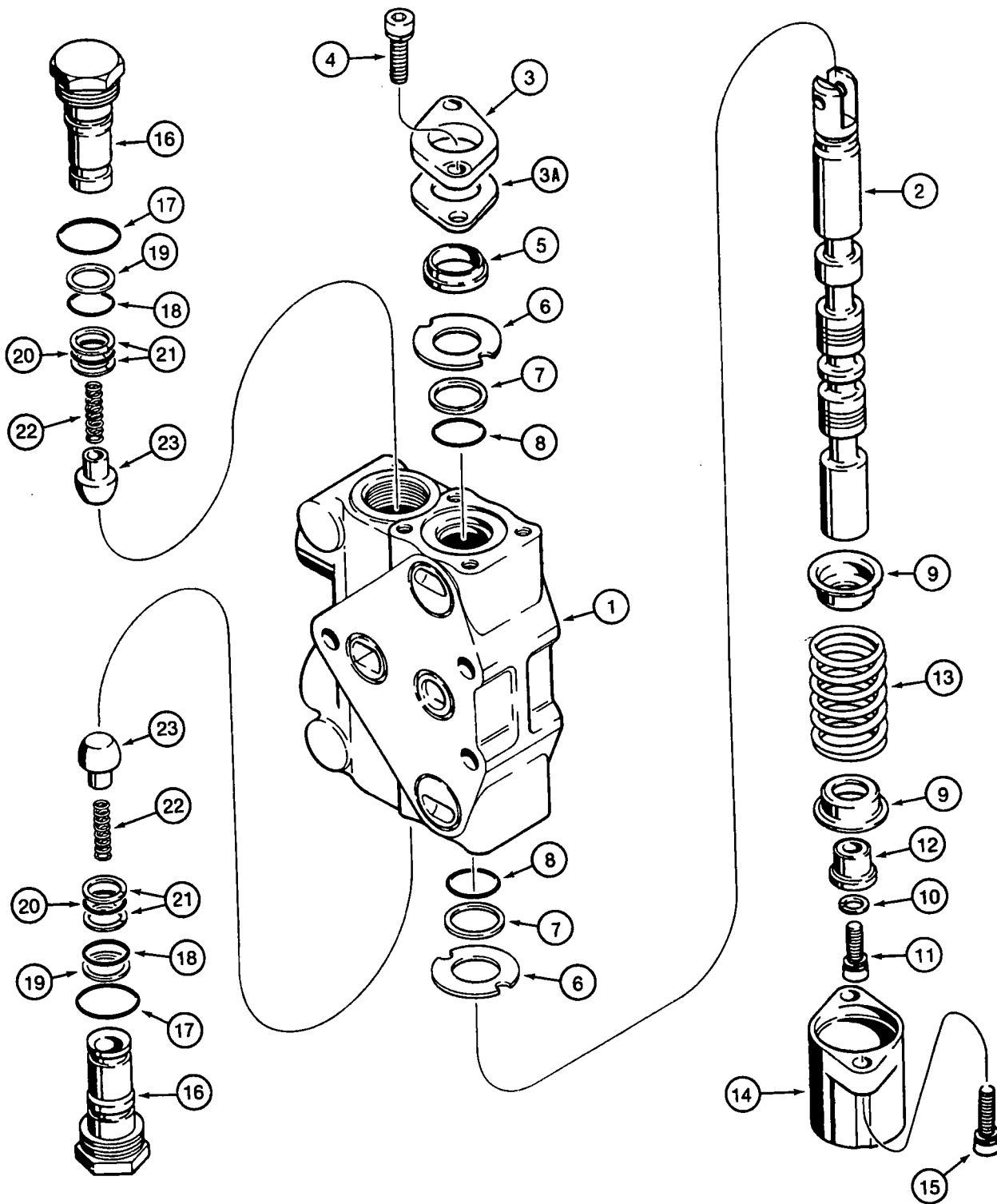
8-126



**THREE-POINT HITCH CONTROL VALVE
LIFT SECTION WITH TWO CIRCUIT RELIEF VALVES**

REF.	PART NO.	DESCRIPTION	REQ'D.
	224455A1	SECTION ASSEMBLY - hitch lift, with two circuit relief valves	1
1	NSS	HOUSING - valve section.	1
2	NSS	SPOOL - valve section.	2
3	N8194	PLATE - retainer, seal, outer	1
3A	N7030	PLATE - retainer, seal, inner	1
4	193-558	SCREW - slotted, with split lockwasher, 1/4 NC x 7/8 inch	2
5	N7029	WIPER - spool	1
6	D88730	RETAINER - seal	1
	N8880	KIT - seal, spool	1
7	D88729	RING - backup, spool O-ring, only one required.	2
8	N13962	SEAL - lip, only one required	2
9	N7038	SLEEVE - spool	1
10	N7036	SEAL - ring, square section	1
11	S301098	O-RING - detent sleeve	1
12	N7034	SLEEVE - detent	1
13	N7037	SPRING - detent	1
14	N7035	POPPET - detent	1
15	211-1007	BALL - chrome alloy steel, 7/32 inch, grade 24	4
16	N7032	SPRING - centering, spool.	1
17	N7033	SEAT - spring.	2
18	100-1162	RING - external retaining, No. 62, lower spring seat retaining.	1
19	N7031	CAP - valve spool.	1
20	193-558	SCREW - slotted, with split lockwasher, 1/4 NC x 7/8 inch	2
21	224841A1	VALVE ASSEMBLY - circuit relief, upper port, 2550 psi (17237 kPa), parts list page 8-133.	1
22	224794A1	VALVE ASSEMBLY - circuit relief, lower port, 1000 psi (6895 kPa), parts list page 8-133.	1

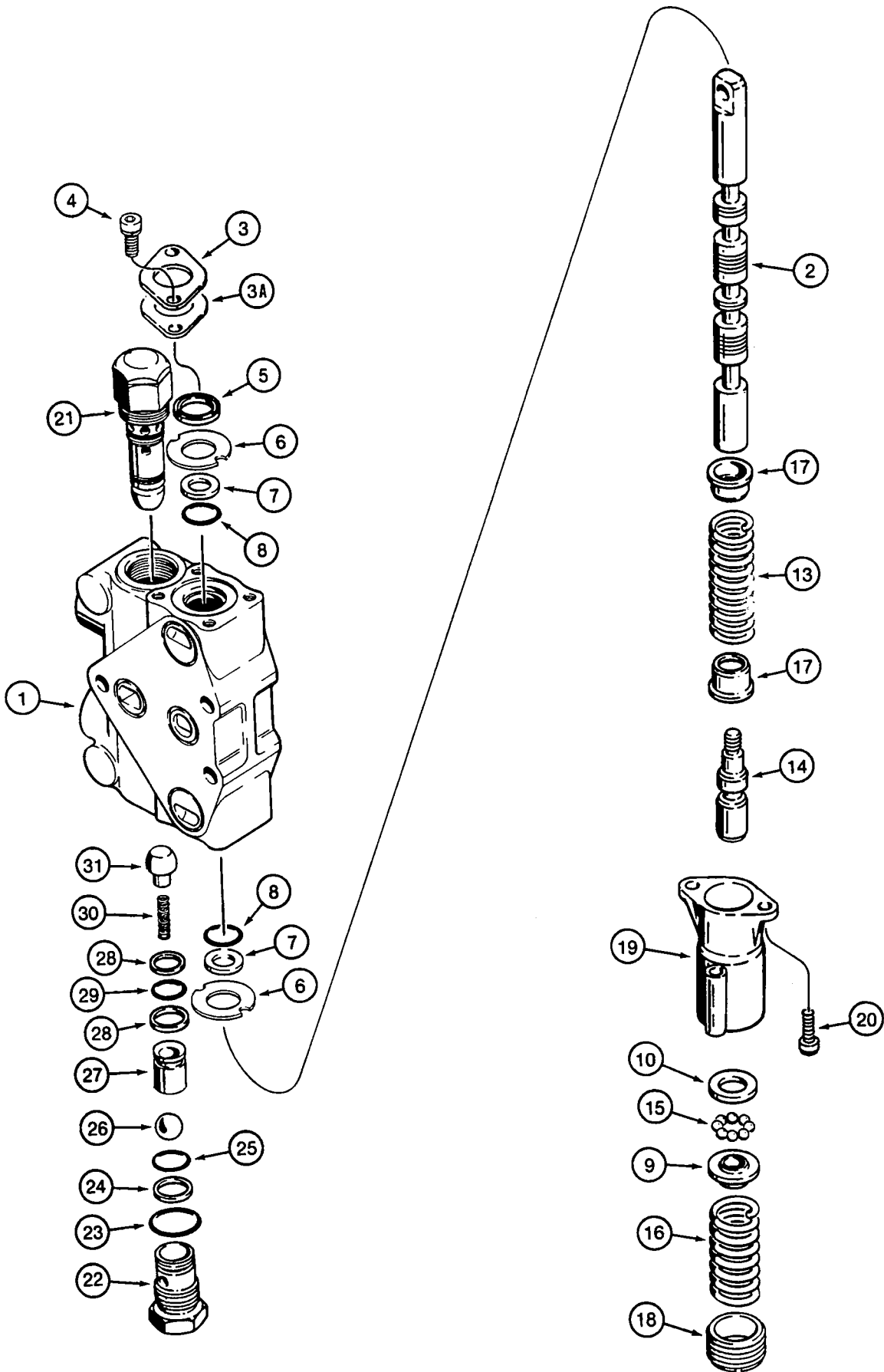
8-128



**THREE-POINT HITCH CONTROL VALVE
PITCH, TILT AND IMPLEMENT SECTIONS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	224454A1	SECTION ASSEMBLY - hitch pitch, tilt and implement.	3
1	NSS	HOUSING - valve section.	1
2	NSS	SPOOL - valve section.	1
3	N8194	PLATE - retainer, seal, outer	1
3A	N7030	PLATE - retainer, seal, inner	1
4	193-558	SCREW - slotted, with split lockwasher, 1/4 NC x 7/8 inch	2
5	N7029	WIPER - spool	1
6	D88730	RETAINER - seal	2
	N8880	KIT - seal, spool	1
7	D88729	RING - backup, spool O-ring.	2
8	N13962	SEAL - lip	2
	S300253	CAP ASSEMBLY - valve spool positioner	1
9	H267591	SEAT - spring	2
10	492-11025	WASHER - lock, 1/4 inch	1
11	61-32528	BOLT - hex socket, 1/4 NC x 1-3/4 inch	1
12	N14593	BOLT - special, collar	1
13	D87306	SPRING - centering, spool	1
14	S300258	CAP - valve spool	1
15	193-558	SCREW - slotted, with split lockwasher, 1/4 NC x 7/8 inch	2
	N8884	VALVE ASSEMBLY - load check.	2
16	NSS	PLUG - load check valve	1
17	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
18	238-6016	O-RING - 5/8 ID x 1/16 inch wide	1
19	L35297	RING - backup	1
20	238-5015	O-RING - 9/16 ID x 1/16 inch wide	1
21	D88725	RING - backup	2
22	H268730	SPRING - poppet	1
23	D28576	POPPET - load check.	1

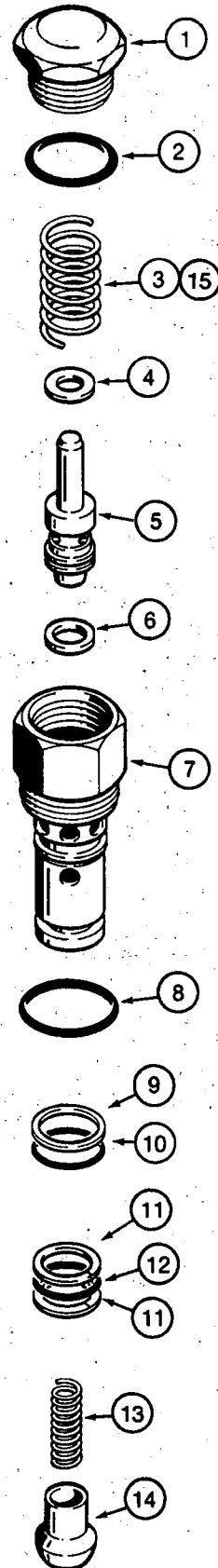
8-130



570LXT and 580L Series 2**8-131****THREE-POINT HITCH CONTROL VALVE
AUXILIARY SECTION**

REF.	PART NO.	DESCRIPTION	REQ'D.
	224453A1	SECTION ASSEMBLY - hitch auxiliary	1
1	NSS	HOUSING - valve section.	1
2	NSS	SPOOL - valve section.	1
3	N8194	PLATE - retainer, seal, outer	1
3A	N7030	PLATE - retainer, seal, inner	1
4	193-558	SCREW - slotted, with split lockwasher, 1/4 NC x 7/8 inch	2
5	N7029	WIPER - spool	1
6	D88730	RETAINER - seal	2
	N8880	KIT - seal, spool	1
7	D88729	RING - backup	2
8	N13962	SEAL - lip	2
9	224975A1	RACE - ball.	1
10	224976A1	PLATE - thrust	1
13	224977A1	SPRING - centering, detent	1
14	224979A1	SCREW - detent.	1
15	211-1007	BALL - chrome alloy steel, 7/32 inch, grade 24	12
16	224978A1	SPRING - detent	1
17	H267591	SEAT - spring	2
18	224980A1	CAP - adjusting	1
19	224974A1	CAP - valve spool.	1
20	193-557	SCREW - slotted, with split lockwasher, 1/4 NC x 5/8 inch	2
21	224794A1	VALVE ASSEMBLY - circuit relief, upper port, 1000 psi (6895 kPa), parts list page 8-133.	1
	H593616	VALVE ASSEMBLY - anti-cavitation	1
22	NSS	HOUSING - valve	1
23	*237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
24	*L35297	RING - backup	1
25	*238-6016	O-RING - 5/8 ID x 1/16 inch wide	1
26	211-1014	BALL - chrome alloy steel, 7/16 inch, grade 24	1
27	NSS	SHUTTLE - sleeve, anti-cavitation	1
28	*D88725	RING - backup	2
29	*238-5015	O-RING - 9/16 ID x 1/16 inch wide	1
30	H268730	SPRING - poppet	1
31	D28576	POPPET - load check.	1
	*N8883	KIT - seal, includes above items marked with an asterisk.	1

8-132

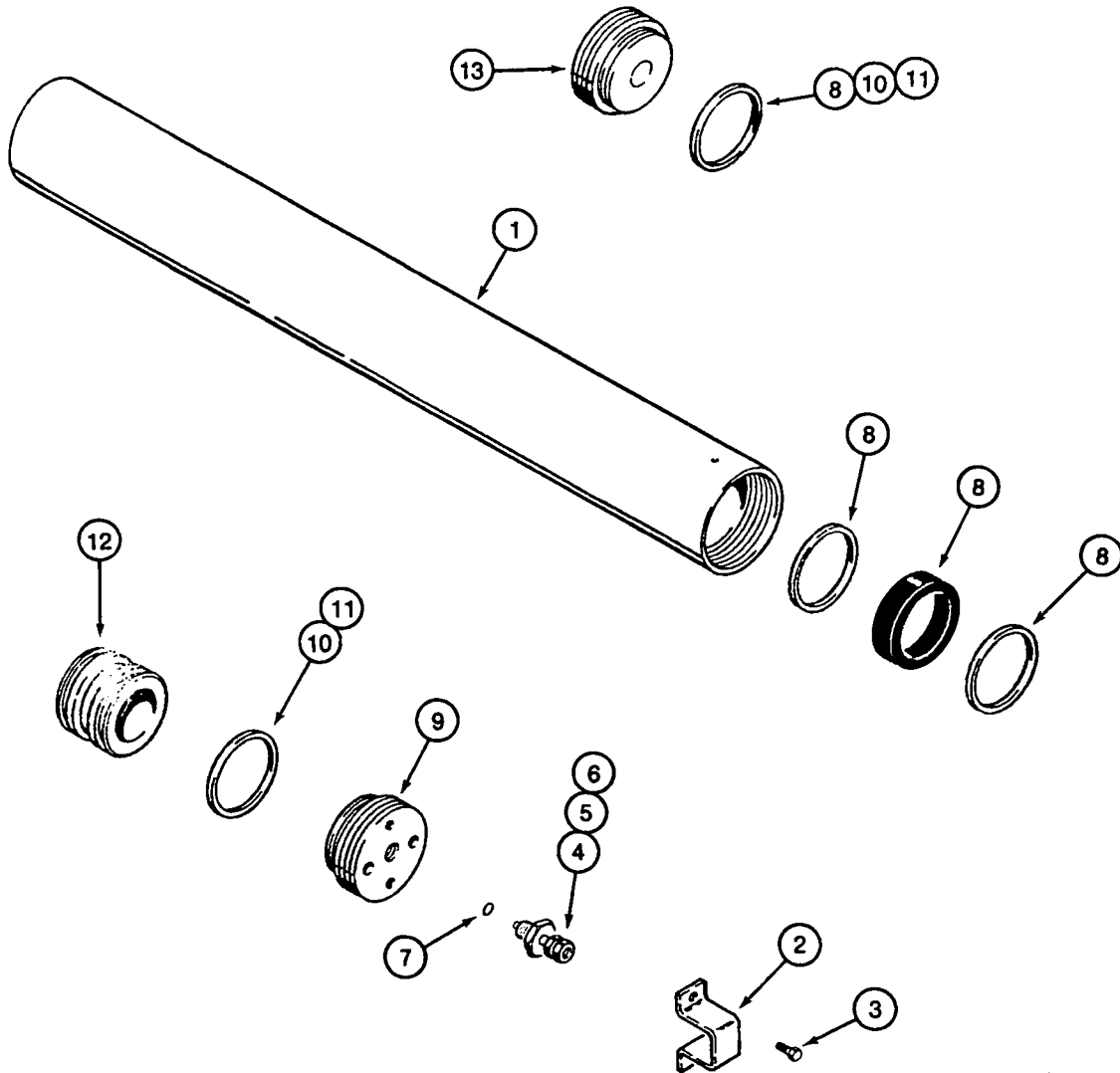


THREE-POINT HITCH CONTROL VALVE
LIFT AND AUXILIARY SECTION CIRCUIT RELIEF VALVES

REF.	PART NO.	DESCRIPTION	REQ'D.
	*224841A1	VALVE ASSEMBLY - circuit relief, 2550 psi, lift section upper port	1
	*224794A1	VALVE ASSEMBLY - circuit relief, 1000 psi, lift section lower port; auxiliary section upper port	1
1	D39716	CAP - circuit relief valve	1
2	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
3	224840A1	SPRING - outer, 224841A1 valve only, upper port	1
4	A55893	SHIM - 1.016 mm (.04 inch) thick	UAR
4	A55894	SHIM - 0.508 mm (.02 inch) thick	UAR
4	D39712	SHIM - 0.254 mm (.01 inch) thick	UAR
	18-1417	KIT - poppet, relief	1
5	NSS	PLUNGER - body	1
6	D39714	SEAL - double lip, plunger	1
7	NSS	BODY - valve	1
8	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
9	L35297	RING - backup	1
10	238-6016	O-RING - 5/8 ID x 1/16 inch wide	1
11	D88725	RING - backup	2
12	238-5015	O-RING - 9/16 ID x 1/16 inch wide	1
13	H268730	SPRING - poppet	1
14	D28576	POPPET - load check	1
15	224837A1	SPRING - outer, 224794A1 valve only, lower port	1

***NOTE:** The 1000 psi (6895 kPa) circuit relief valve must be installed in spool cap end of the lift section, the 2550 psi (17582 kPa) circuit relief valve must be installed in the spool eye end of the lift section.

8-134

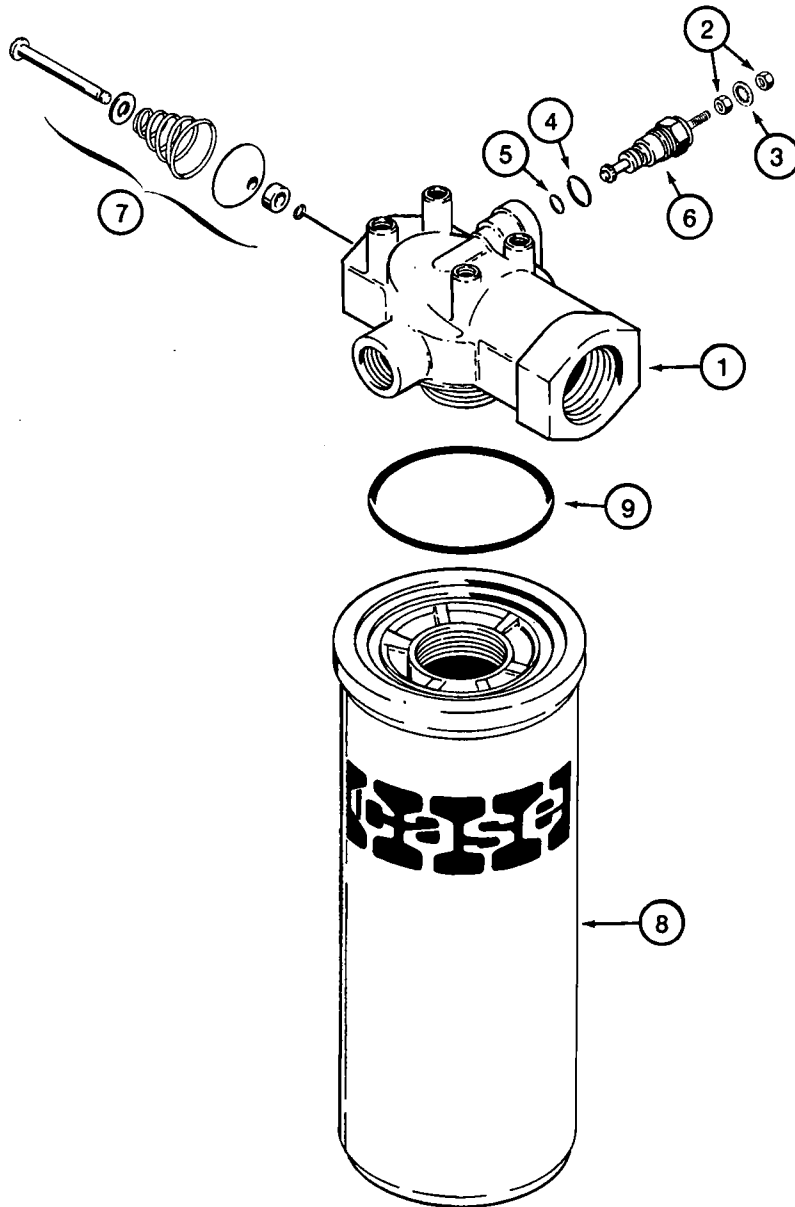


570LXT and 580L Series 2
ACCUMULATOR ASSEMBLY
RIDE CONTROL

8-135

REF.	PART NO.	DESCRIPTION	REQ'D.
	234412A1	ACCUMULATOR ASSEMBLY - hydraulic, ride control	1
1	NSS	BODY - accumulator, tube	1
2	192895A1	GUARD - valve	1
3	276-2456	SCREW - self-tapping, hex head, No. 10 NC x 3/8 inch	2
	1978142C1	VALVE ASSEMBLY - charge, gas	1
4	NSS	VALVE - accumulator charging	1
5	1978143C1	CORE - valve	1
6	1978144C1	CAP - valve	1
7	1978158C1	O-RING - valve	1
8	1978141C1	KIT - seal, includes (1) V-type O-ring, (2) Teflon bearing rings and (1) body end seal ring	1
9	NSS	GLAND - gas valve	1
10	NSS	O-RING - gland	2
11	NSS	RING - backup, if used	2
12	NSS	PISTON - accumulator	1
13	NSS	GLAND - end cap	1
14	L129440	DECAL - hydraulic accumulator application instructions, mounts on accumulator, not shown, see page 9-183 for decal	1

8-136

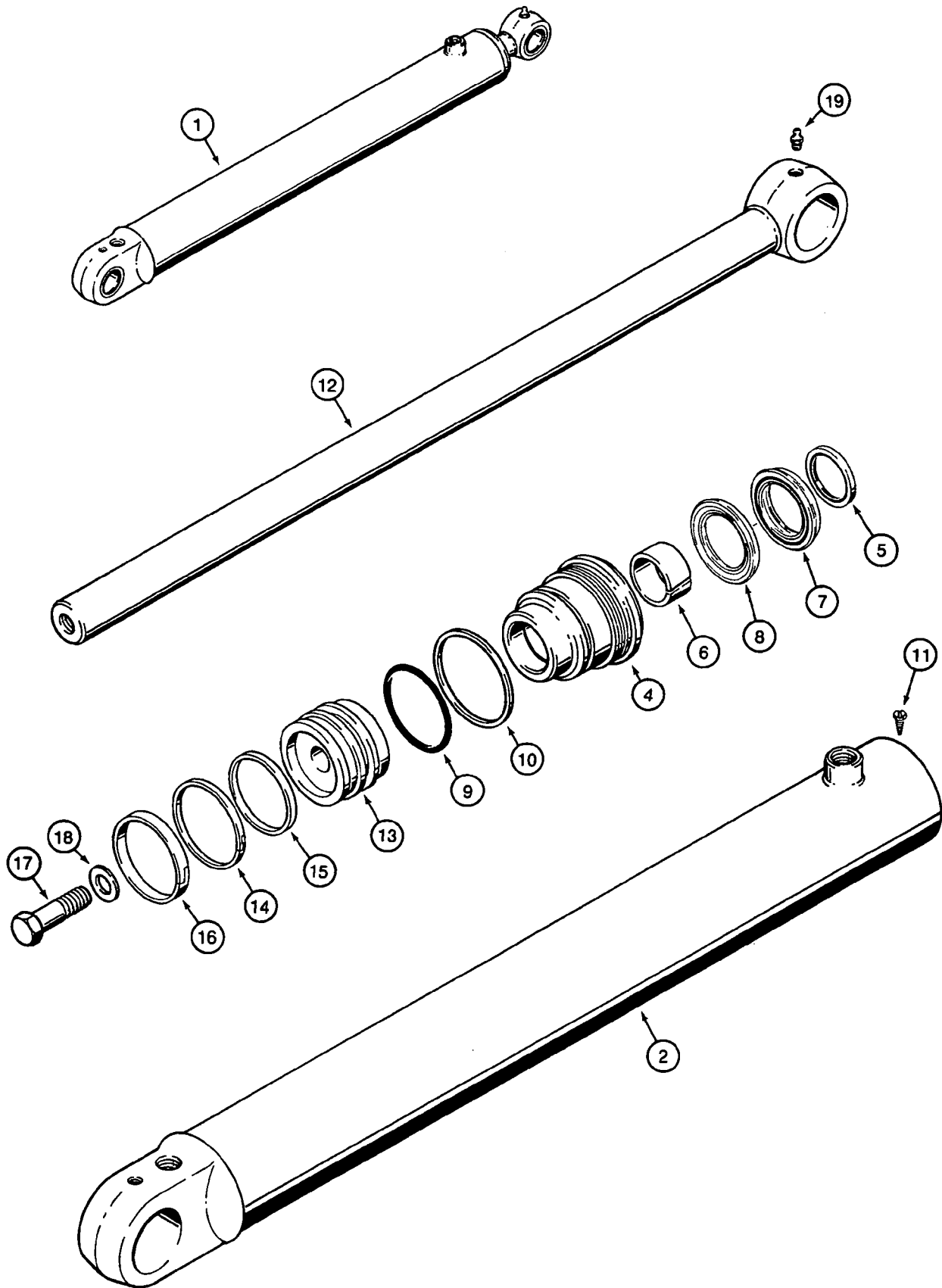


**570LXT and 580L Series 2
HYDRAULIC OIL FILTER**

8-137

REF.	PART NO.	DESCRIPTION	REQ'D.
	122536A1	FILTER ASSEMBLY - hydraulic oil	1
1	NSS	HEAD - filter	1
	N6755	INDICATOR ASSEMBLY - restriction, electric	1
	N6941	KIT - restriction indicator repair (order items 2-5)	1
2	129-667	NUT - hex, left-hand thread, No. 10 NF.	2
3	493-21020	WASHER - internal tooth lock, 3/16 inch.	1
4	237-6006	O-RING - 15/32 ID x 5/64 inch wide, outer	1
5	238-5011	O-RING - 5/16 ID x 1/16 inch wide, inner	1
6	NSS	INDICATOR - restriction, electric	1
7	NSS	VALVE - bypass	1
	N9025	ELEMENT ASSEMBLY - filter	1
8	NSS	ELEMENT - filter	1
9	238-5230	O-RING - 2-1/2 ID x 1/8 inch wide, filter to head	1

8-138

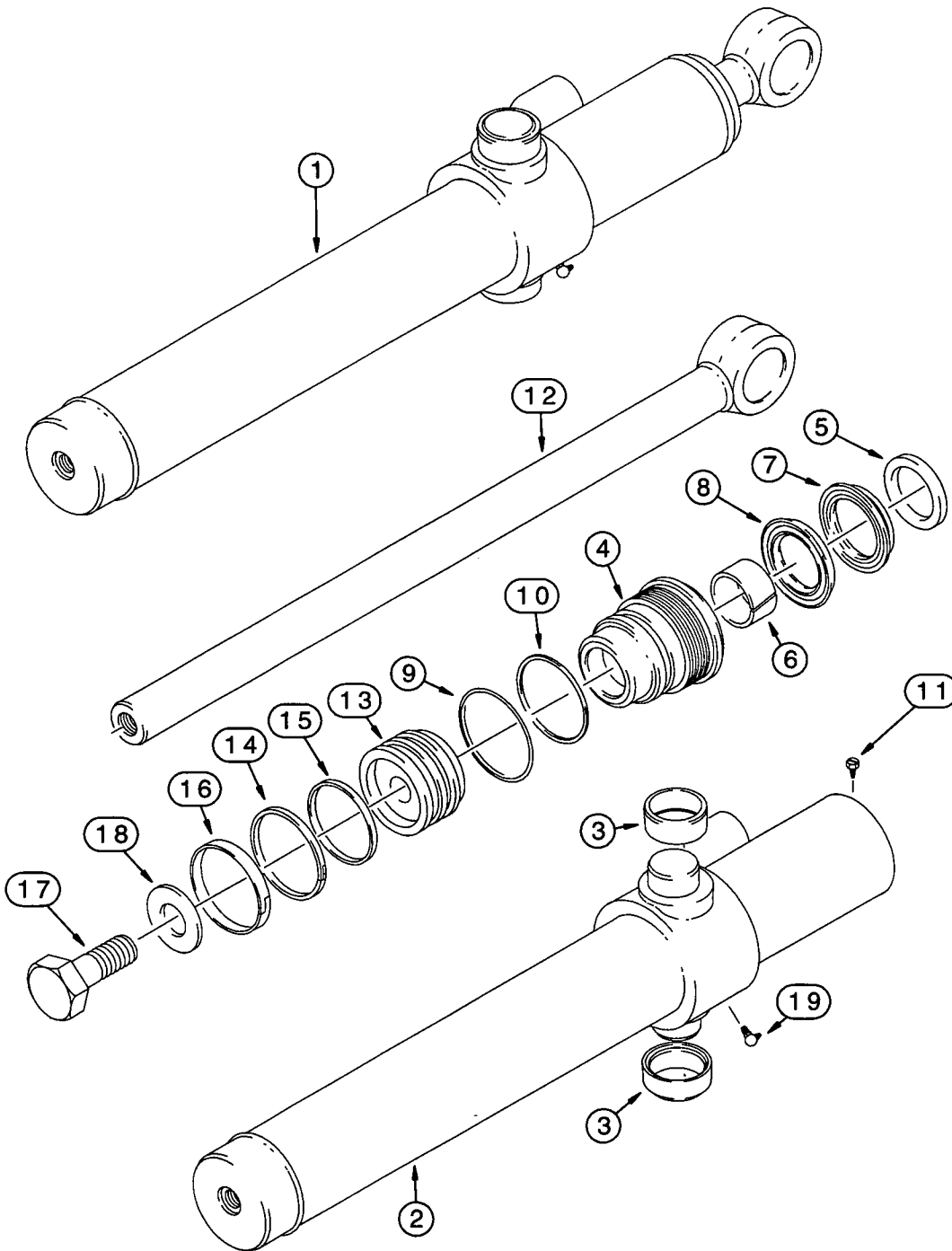


**570LXT and 580L Series 2
LOADER LIFT CYLINDERS****8-139**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	131417A1	CYLINDER ASSEMBLY - 76 (3) ID x 766 mm (30-5/32 inch) stroke, lift, right-hand and left-hand, see note.	2
2	131418A1	TUBE - cylinder	1
	NSS	GLAND ASSEMBLY - cylinder	1
4	1340795C2	GLAND - cylinder	1
5	*D95143	WIPER - piston rod	1
6	*G102425	BUSHING - center	1
	*1542875C1	KIT - seal, NSS, order 1543267C1 kit below	1
7	1542999C1	SEAL - rod, NSS, order 1543267C1 kit below.	1
8	1542998C1	SEAL - buffer, NSS, order 1543267C1 kit below.	1
9	*238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland	1
10	*G109298	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	133083A1	ROD - piston, 44 mm (1-3/4 inch) diameter, cylinder, without bushings.	1
13	133097A1	PISTON - cylinder	1
14	*G102288	SEAL - piston	1
15	*G100444	RING - backup, piston seal	1
16	*G100449	RING - wear, piston	1
17	25974R1	BOLT - hex, 1 NF x 2-1/2 inch, grade 8	1
18	G32303	WASHER - flat, special, 1 inch, hardened	1
19	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
	*1543267C1	KIT - seal, includes all items with an asterisk and an instruction sheet.	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-140



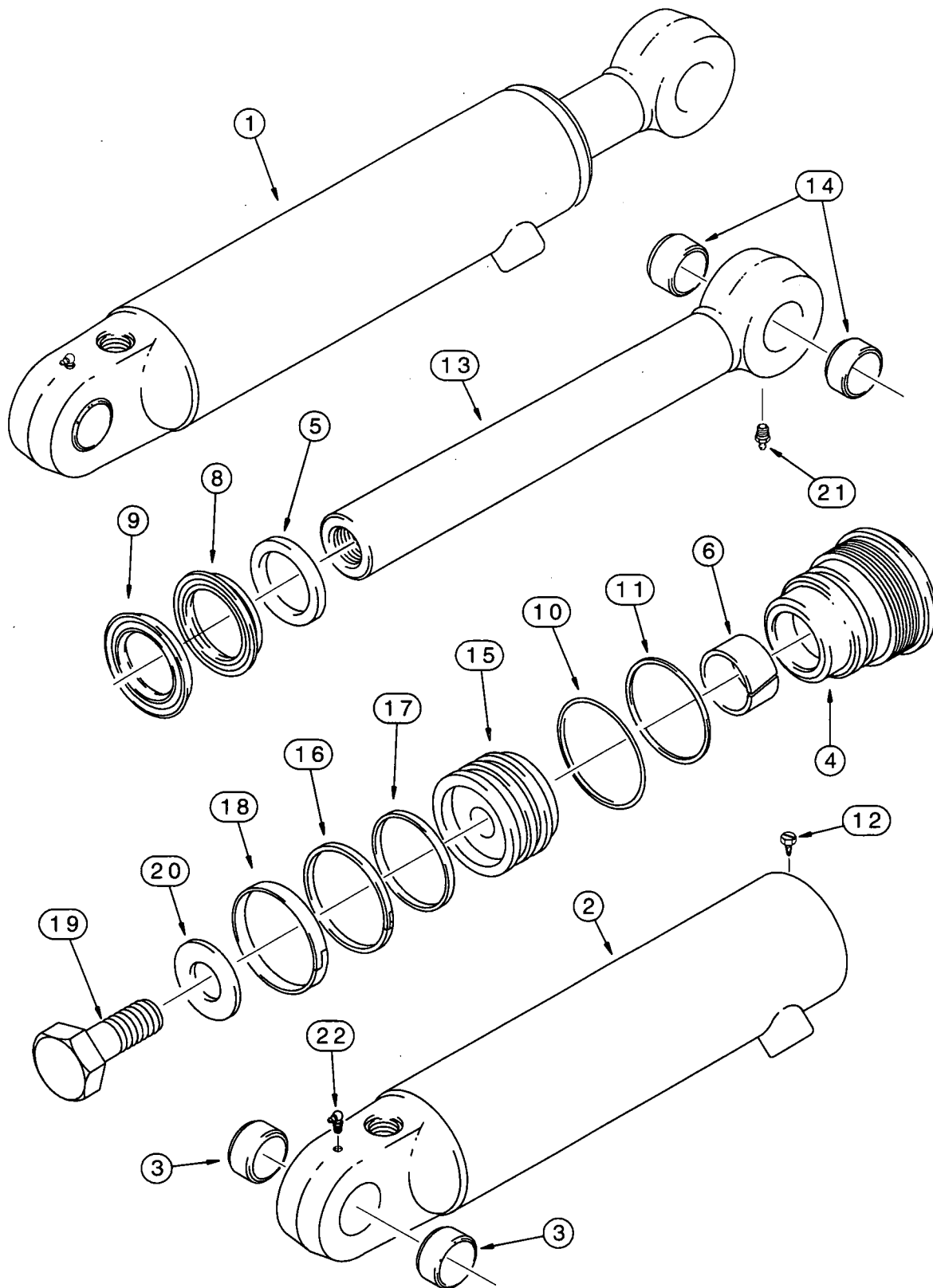
570LXT and 580L Series 2 LOADER BUCKET CYLINDERS

8-141

REF.	PART NO.	DESCRIPTION	REQ'D.
1	175238A1	CYLINDER ASSEMBLY - 70 (2-3/4) ID x 522 mm (20-9/16 inch) stroke, bucket, left-hand and right-hand	2
2	175239A1	TUBE ASSEMBLY - cylinder	1
3	G108512	BUSHING - tube	2
	NSS	GLAND ASSEMBLY - cylinder	1
4	175247A2	GLAND - cylinder	1
5	*D95142	WIPER - piston rod	1
6	*G102424	BUSHING - center, gland	1
	*1542874C1	KIT - seal, NSS, order 175251A1 kit below	1
7	1542997C1	SEAL - rod, NSS, order 175251A1 kit below.	1
8	1542996C1	SEAL - buffer, NSS, order 175251A1 kit below.	1
9	*238-5230	O-RING - 2-1/2 ID x 1/8 inch wide, gland	1
10	*G32129	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	110307A1	ROD - piston, 38 mm (1-1/2 inch) diameter, without bushings in eye	1
13	175250A1	PISTON - cylinder	1
14	*G104454	SEAL - piston, expandable, outer.	1
15	*G104439	RING - seal, piston seal	1
16	*G105187	RING - wear, piston, piston	1
17	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8	1
18	S94643	WASHER - flat, special, hardened	1
19	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch	1
	*175251A1	KIT - seal, includes all items with an asterisk and an instruction sheet.	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-142



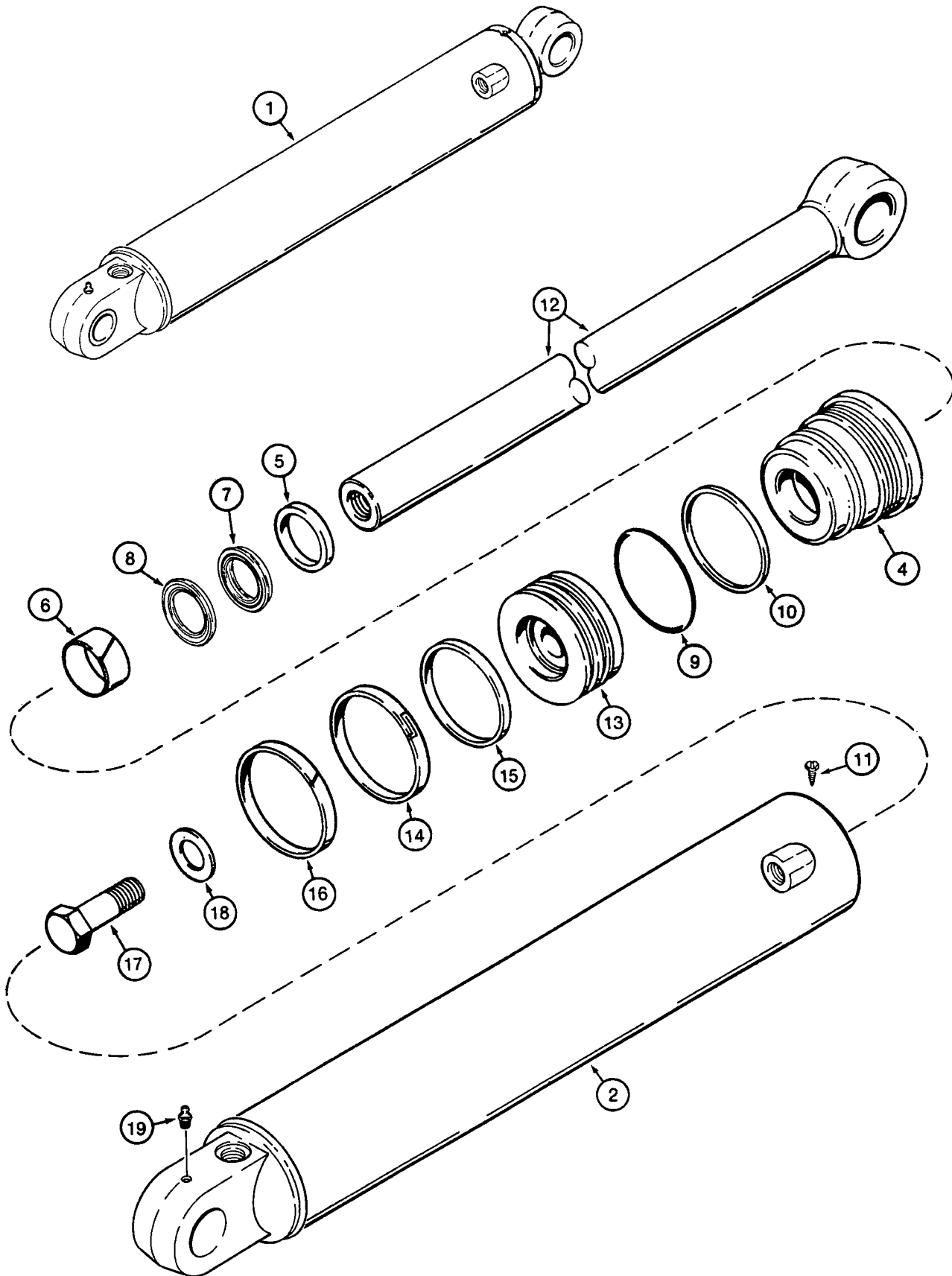
570LXT and 580L Series 2 LOADER CLAM CYLINDERS

8-143

REF.	PART NO.	DESCRIPTION	REQ'D.
1	1346189C1	CYLINDER ASSEMBLY - 76 (3) ID x 231 mm (9 inch) stroke, clam, right-hand, see note.	1
1	1346190C1	CYLINDER ASSEMBLY - 76 (3) ID x 231 mm (9 inch) stroke, clam, left-hand, see note.	1
2	1346191C1	TUBE ASSEMBLY - cylinder, right-hand	1
2	1346192C1	TUBE ASSEMBLY - cylinder, left-hand	1
3	30634	BUSHING - 1346191C1 or 1346192C1 tube	2
	NSS	GLAND ASSEMBLY - cylinder.	1
4	G109884	GLAND - cylinder	1
5	*D95143	WIPER - piston rod	1
6	*G102425	BUSHING - center	1
	*1542875C1	KIT - seal, NSS, order 1543267C1 kit below	1
8	1542999C1	SEAL - rod, NSS, order 1543267C1 kit below.	1
9	1542998C1	SEAL - buffer, NSS, order 1543267C1 kit below.	1
10	*238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland	1
11	*G109298	RING - backup, gland O-ring	1
12	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
13	1346195C1	ROD ASSEMBLY - piston, 44 mm diameter	1
14	30634	BUSHING -	2
15	1340798C1	PISTON - cylinder	1
16	*G102288	SEAL - piston	1
17	*G100444	RING - backup, piston seal	1
18	*G100449	RING - wear, piston	1
19	25974R1	BOLT - hex, 1 NF x 2-1/2 inch, grade 8	1
20	G32303	WASHER - flat, special, 1 inch, hardened	1
21	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
22	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch	1
	*1543267C1	KIT - seal, includes all items with an asterisk and an instruction sheet.	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-144

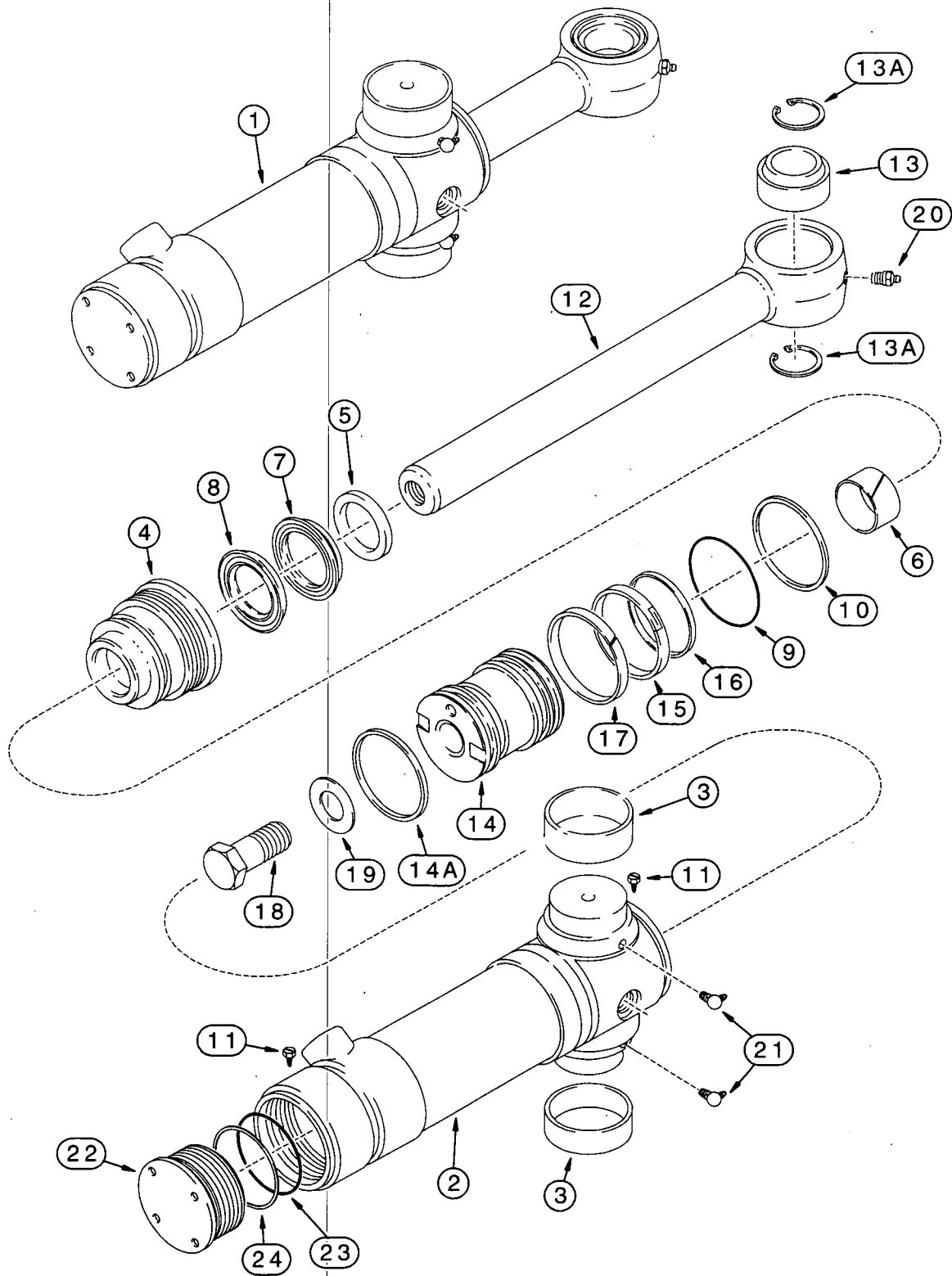


570LXT and 580L Series 2**8-145****BACKHOE STABILIZER CYLINDER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	195503A1	CYLINDER ASSEMBLY - 102 (4) ID x 553 mm (21-3/4 inch) stroke, stabilizer, right-hand	1
1	195504A1	CYLINDER ASSEMBLY - 102 (4) ID x 553 mm (21-3/4 inch) stroke, stabilizer, left-hand.	1
2	195505A1	TUBE - cylinder, right-hand	1
2	195506A1	TUBE - cylinder, left-hand	1
	NSS	GLAND ASSEMBLY - cylinder.	1
4	128135A1	GLAND - cylinder	1
5	*D95144	WIPER - piston rod	1
6	*G101533	BUSHING - center	1
	*1542876C1	KIT - seal, NSS, order 1543269C1 kit below	1
7	1543001C1	SEAL - rod, NSS, order 1543269C1 kit below.	1
8	1543000C1	SEAL - buffer, NSS, order 1543269C1 kit below.	1
9	*238-5239	O-RING - 3-5/8 x 1/8 inch wide, gland	1
10	*G109299	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	123726A1	ROD - piston, 51 mm (2 inch) diameter	1
13	G108123	PISTON - cylinder	1
14	*G102285	SEAL - piston	1
15	*G100440	RING - backup, piston seal	1
16	*G100448	RING - wear, piston	1
17	28-2044	BOLT - hex, 1-1/4 NF x 2-3/4 inch, grade 8.	1
18	G104989	WASHER - flat, hardened, special, 1-1/32 x 2-3/8 x 3/16 inch.	1
19	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
	*1543269C1	KIT - seal, includes all items with an asterisk and an instruction sheet.	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-146



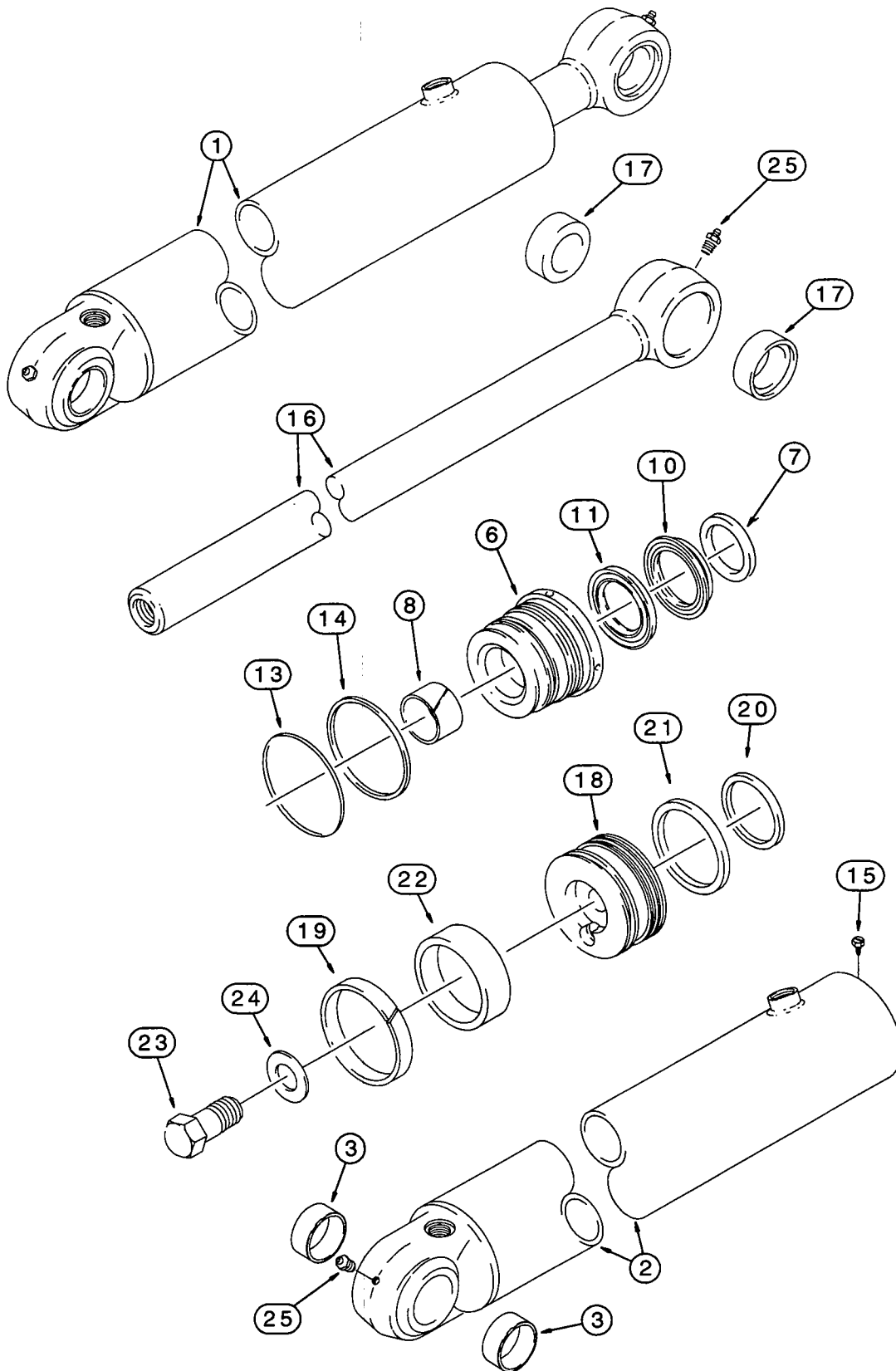
570LXT and 580L Series 2 BACKHOE SWING CYLINDER

8-147

REF.	PART NO.	DESCRIPTION	REQ'D.
1	188027A2	CYLINDER ASSEMBLY - 95 (3-3/4) ID x 292 mm (11-1/2 inch) stroke, swing, see note	2
2	220165A2	TUBE ASSEMBLY - cylinder, 188027A2 cylinder, includes 188028A2 tube, 188035A1 end cap assembly (Ref 22-24) and (1) 276-2446 screw (Ref 11), if used, not available as an assembly, order components	1
2	188028A2	TUBE ASSEMBLY - cylinder, 188027A2 cylinder, does not include 188035A1 end cap assembly (Ref 22-24) or (1) 276-2446 screw (Ref 11), if used	1
3	124568A2	BUSHING - tube, external	2
	NSS	GLAND ASSEMBLY - cylinder	1
4	188032A1	GLAND - cylinder	1
5	*D95144	WIPER - piston rod	1
6	*G101533	BUSHING - center	1
	*1542876C1	KIT - seal, NSS, order 122535A1 kit below	1
7	1543001C1	SEAL - rod, NSS, order 122535A1 kit below	1
8	1543000C1	SEAL - buffer, NSS, order 122535A1 kit below	1
9	*238-5237	O-RING - 3-3/8 ID x 1/8 inch wide, gland	1
10	*G32126	RING - backup	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	2
12	177518A1	ROD ASSEMBLY - piston, 51 mm (2 inch) diameter	1
13	137248A1	BUSHING - piston rod, self-aligning	1
13A	100-21315	RING - internal retaining, No. 315.	2
14	188034A2	PISTON - cylinder, replaces 188034A1 piston.	1
14A	*191252A1	RING - cast iron	1
15	*1340764C1	SEAL - piston	1
16	*1340763C1	RING - backup, piston seal	1
17	*1980245C1	RING - wear, piston	1
18	28-1664	BOLT - hex, 1-14 x 4 inch, grade 8	1
19	G32303	WASHER - flat, special, 1 inch, hardened	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
21	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch	2
	188035A1	CAP ASSEMBLY - end, order items 22-24	1
22	188036A1	CAP - end	1
23	*238-5239	O-RING - 3-5/8 x 1/8 inch wide.	1
24	*G109299	RING - backup	1
	*191747A1	KIT - seal, includes all items with an asterisk and an instruction sheet.	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-148



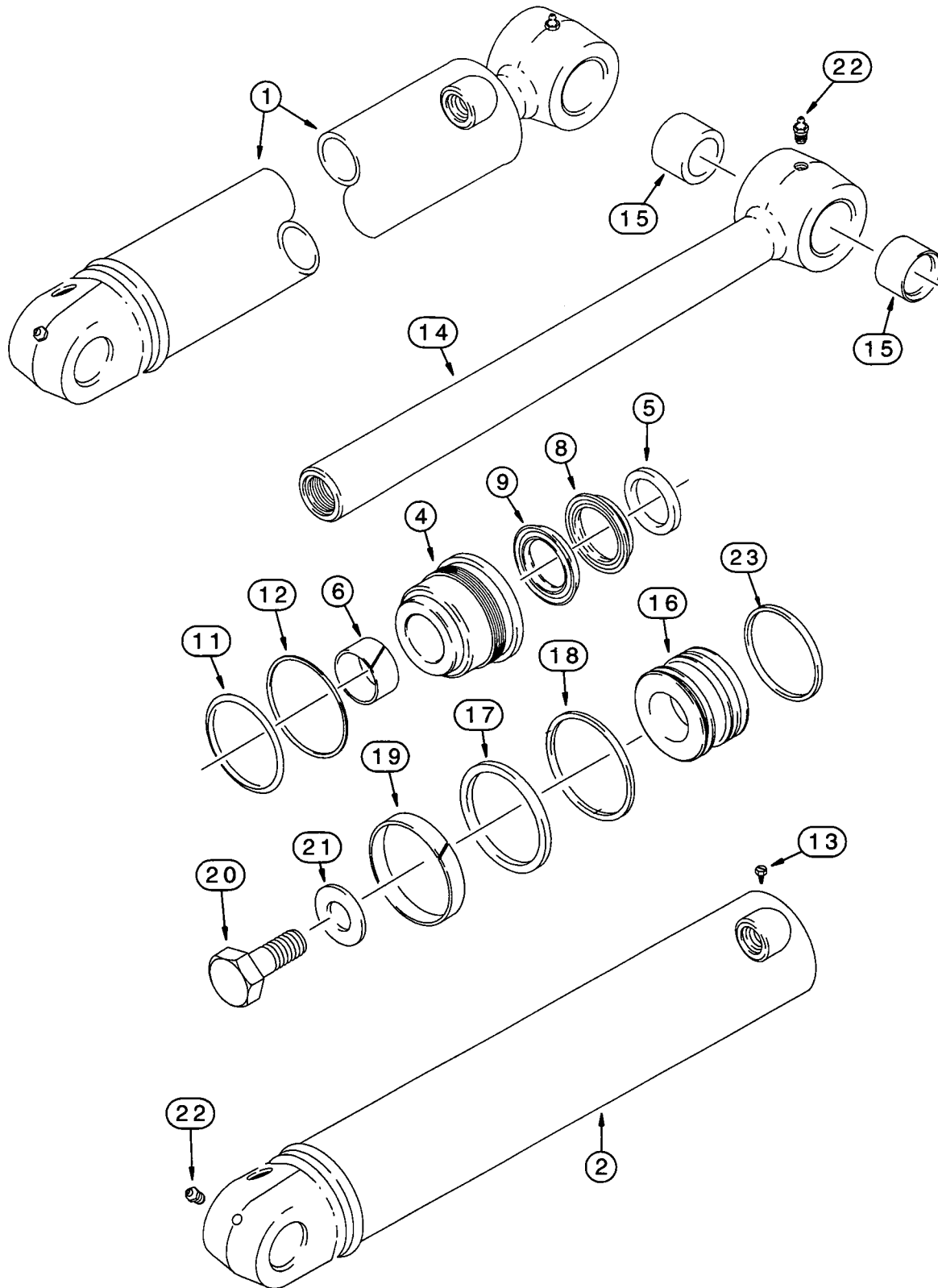
570LXT and 580L Series 2
BACKHOE BOOM CYLINDER

8-149

REF.	PART NO.	DESCRIPTION	REQ'D.
1	189653A1	CYLINDER ASSEMBLY - 114 (4-1/2) ID x 981 mm (38-5/8 inch) stroke, boom, see note	1
2	189654A1	TUBE - cylinder	1
3	D149079	BUSHING - 50 x 34 mm long, tube	2
	NSS	GLAND ASSEMBLY - cylinder	1
6	127862A1	GLAND - cylinder, has identification groove on outer lip	1
7	*D95145	WIPER - piston rod	1
8	*G102426	BUSHING - center	1
	*1542877C1	KIT - seal, NSS, order 182218A1 kit below	1
10	1542929C1	SEAL - rod, NSS, order 182218A1 kit below	1
11	1542928C1	SEAL - buffer, NSS, order 182218A1 kit below	1
13	*238-5243	O-RING - 4-1/4 ID x 1/8 inch wide, gland	1
14	*G109300	RING - backup, gland O-ring	1
15	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
16	182109A1	ROD - piston, 57 mm (2-1/4 inch) diameter	1
17	D149079	BUSHING - 50 x 34 mm long, rod	2
18	189657A1	PISTON - cylinder	1
19	*182116A1	RING - cast iron	1
20	*G101995	RING - backup, piston seal	1
21	*G101994	SEAL - piston	2
22	*G101996	RING - wear, piston	1
23	28-2052	BOLT - hex, 1-1/4 NF x 3-1/4 inch, grade 8	1
24	G104989	WASHER - flat, hardened, special, 1-1/4 inch	1
25	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
	*182218A1	KIT - seal, includes all items with an asterisk and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-150



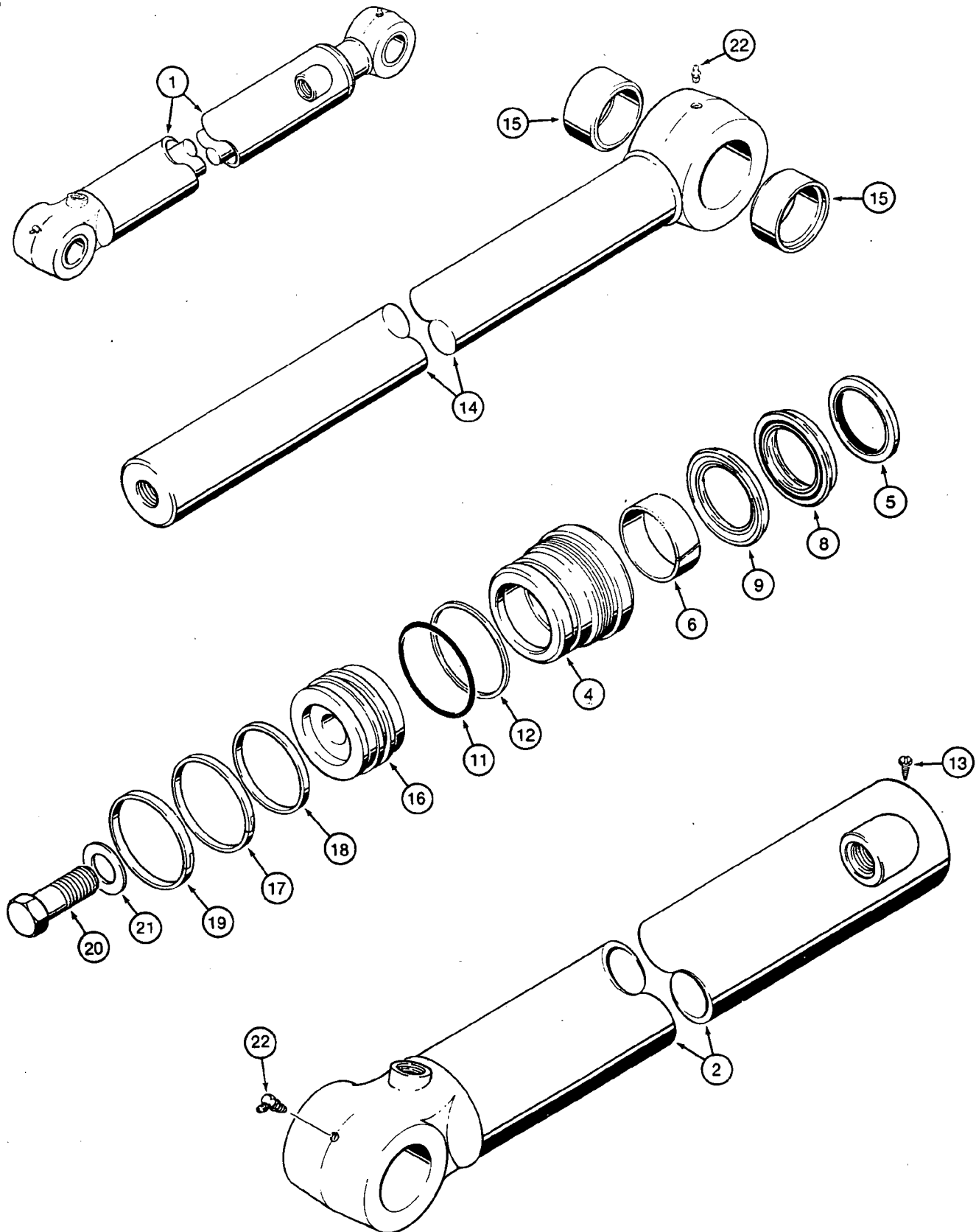
570LXT and 580L Series 2 BACKHOE DIPPER CYLINDER

8-151

REF.	PART NO.	DESCRIPTION	REQ'D.
1	233114A1	CYLINDER ASSEMBLY - 108 (4-1/4) ID x 686 mm (27 inch) stroke, dipper, see note, no longer available, order 233114A2 cylinder	1
1	233114A2	CYLINDER ASSEMBLY - 108 (4-1/4) ID x 686 mm (27 inch) stroke, dipper, see note	1
2	297952A1	TUBE - cylinder, replaces 233000A1 tube	1
	NSS	GLAND ASSEMBLY - cylinder	1
4	234141A2	GLAND - cylinder, replaces 234141A1 gland	1
5	*D95145	WIPER - piston rod	1
6	*G102426	BUSHING - center	1
	*1542877C1	KIT - seal, NSS, order 234844A1 kit below	1
8	1542929C1	SEAL - rod, NSS, order 234844A1 kit below	1
9	1542928C1	SEAL - buffer, NSS, order 234844A1 kit below	1
11	*238-5241	O-RING - 3-7/8 ID x 1/8 inch wide, gland	1
12	*G32176	RING - backup, gland O-ring	1
13	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
14	175778A1	ROD ASSEMBLY - piston, 57 mm (2-1/4 inch) diameter, cylinder	1
15	D149079	BUSHING - 50 x 34 mm long	2
16	233110A2	PISTON - cylinder, replaces 233110A1 piston	1
17	*G110531	SEAL - piston	1
18	*G110529	RING - backup, piston seal	1
19	*G110530	RING - wear, piston	1
20	28-2256	BOLT - hex, 1-3/8 NF x 3-1/2 inch, grade 8	1
21	G32559	WASHER - flat, special, 1-3/8 inch	1
22	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
23	*233104A1	RING - piston, cast iron	1
	*234844A1	KIT - seal, includes all items with an asterisk, also a seal and wiper not used in this application, and an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-152



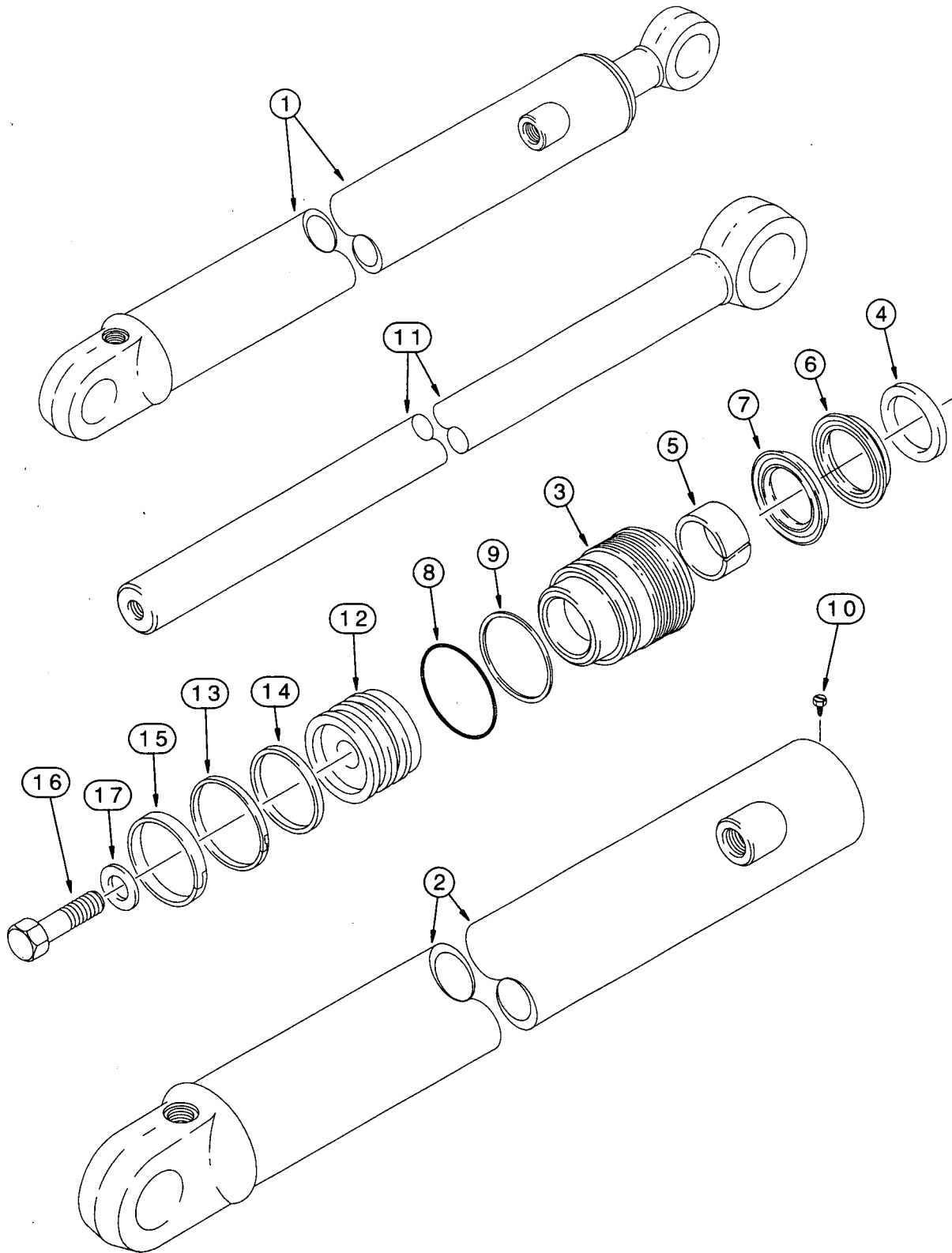
570LXT and 580L Series 2 BACKHOE BUCKET CYLINDER

8-153

REF.	PART NO.	DESCRIPTION	REQ'D.
1	128760A1	CYLINDER ASSEMBLY - 83 (3-1/4) ID x 872 mm (34-5/16 inch) stroke, bucket, see note	1
2	128761A1	TUBE - cylinder	1
	NSS	GLAND ASSEMBLY - cylinder	1
4	128770A1	GLAND - cylinder	1
5	*D95145	WIPER - piston rod	1
6	*1346476C1	BUSHING - center	1
	*1542877C1	KIT - seal, NSS, order 131750A1 kit below	1
8	1542929C1	SEAL - rod, NSS, order 131750A1 kit below	1
9	1542928C1	SEAL - buffer, NSS, order 131750A1 kit below	1
11	*238-5233	O-RING - 2-7/8 ID x 1/8 inch wide, gland	1
12	*G32122	RING - backup	1
13	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
14	198033A1	ROD ASSEMBLY - piston, 57 mm (2-1/4 inch) diameter, cylinder.	1
15	D140029	BUSHING - 50 x 60 x 25.5 mm long, piston rod	2
16	128772A1	PISTON - cylinder	1
17	*G102287	SEAL - piston	1
18	*S109444	RING - backup, piston seal	1
19	*S109445	RING - wear, piston	1
20	28-2048	BOLT - hex, 1-1/4 NF x 3 inch, grade 8	1
21	G104989	WASHER - flat, hardened, special, 1-1/4 inch	1
22	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
23	219-36	FITTING - grease, 45 degree, 1/8 PT x 7/8 inch	
	*131750A2	KIT - seal, includes all items with an asterisk and an instruction sheet, replaces 131750A1 kit	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-154

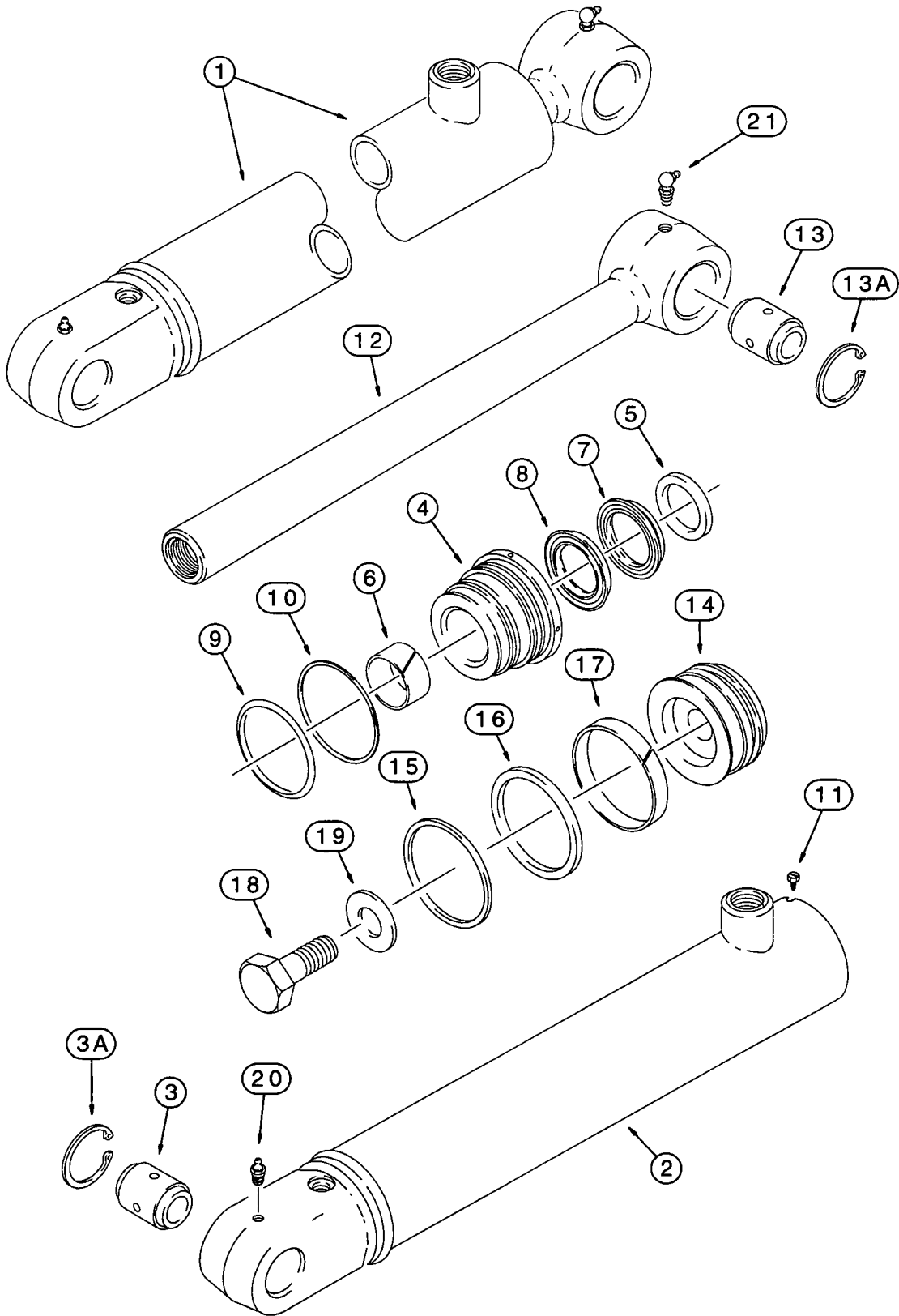


570LXT and 580L Series 2
8-155
BACKHOE DIPPER EXTENSION CYLINDER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	1340969C2	CYLINDER ASSEMBLY - 76 (3) ID x 1068 mm (42 inch) stroke, dipper extension, see note	1
2	1340970C1	TUBE - cylinder, without bushing	1
	NSS	GLAND ASSEMBLY - cylinder	1
3	G109884	GLAND - cylinder	1
4	*D95143	WIPER - piston rod	1
5	*G102425	BUSHING - center	1
	*1542875C1	KIT - seal, NSS, order 1543267C1 kit below	1
6	1542999C1	SEAL - rod, NSS, order 1543267C1 kit below.	1
7	1542998C1	SEAL - buffer, NSS, order 1543267C1 kit below.	1
8	*238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland	1
9	*G109298	RING - backup, gland O-ring	1
10	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
11	1980296C1	ROD - piston, 44 mm (1-3/4 inch) diameter, without bushing	1
12	G107277	PISTON - cylinder	1
13	*G102288	SEAL - piston	1
14	*G100444	RING - backup, piston seal	1
15	*G100449	RING - wear, piston	1
16	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8	1
17	S94643	WASHER - flat, special, hardened	1
	*1543267C1	KIT - seal, includes all items with an asterisk and an instruction sheet.	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-156

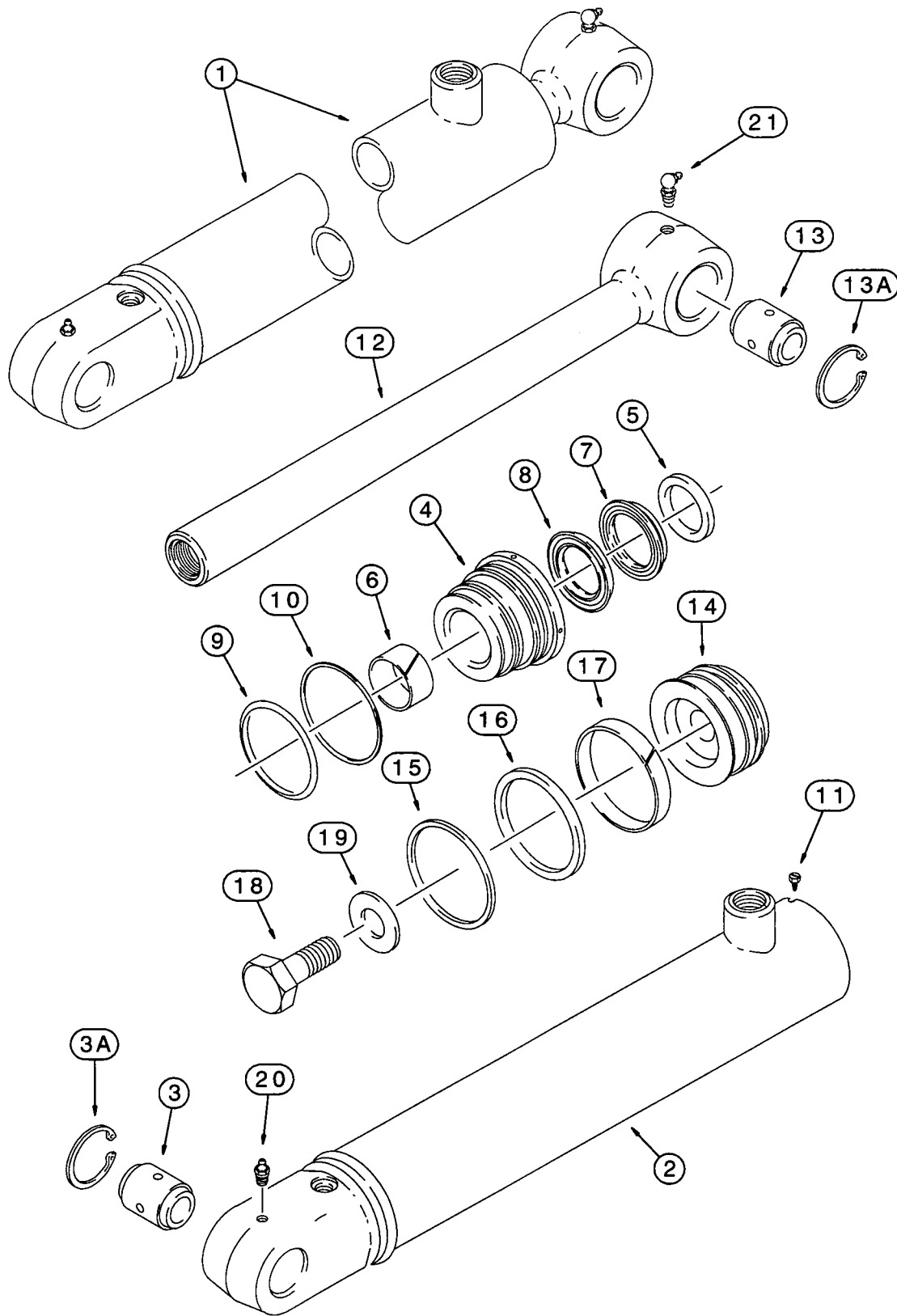


570LXT and 580L Series 2**8-157****THREE-POINT HITCH LIFT CYLINDER****570LXT MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	196832A1	CYLINDER ASSEMBLY - 76 (3) ID x 207 mm (8-5/32 inch) stroke, lift, see note, no longer available, order 296715A1 cylinder on page 8-157B	1
2	196833A1	TUBE ASSEMBLY - cylinder, no longer available, order 296715A1 cylinder on page 8-157B	1
3	D46620	BUSHING - tube	1
3A	103-21200	RING - internal retaining, No. 200.	2
	NSS	GLAND ASSEMBLY - cylinder	1
4	G109881	GLAND - cylinder	1
5	* D95142	WIPER - piston rod	1
6	* G102424	BUSHING - center, gland	1
	* 1542874C1	KIT - seal, NSS, order 1543256C1 kit below	1
7	1542997C1	SEAL - rod, NSS, order 1543256C1 kit below.	1
8	1542996C1	SEAL - buffer, NSS, order 1543256C1 kit below.	1
9	* 238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland	1
10	* G109298	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	196836A1	ROD ASSEMBLY - piston, 38 mm (1-1/2 inch) diameter, no longer available, order 296715A1 cylinder on page 8-157B	1
13	D46620	BUSHING - piston rod.	1
13A	103-21200	RING - internal retaining, No. 200.	2
14	G108518	PISTON - cylinder	1
15	* G102288	SEAL - piston	1
16	* G100444	RING - backup, piston	1
17	* G100449	RING - wear, piston	1
18	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8	1
19	G32317	WASHER - flat, hardened, special	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
21	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch, rod eye end.	1
	* 1543256C1	KIT - seal, includes all items with an asterisk, plus an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-157A

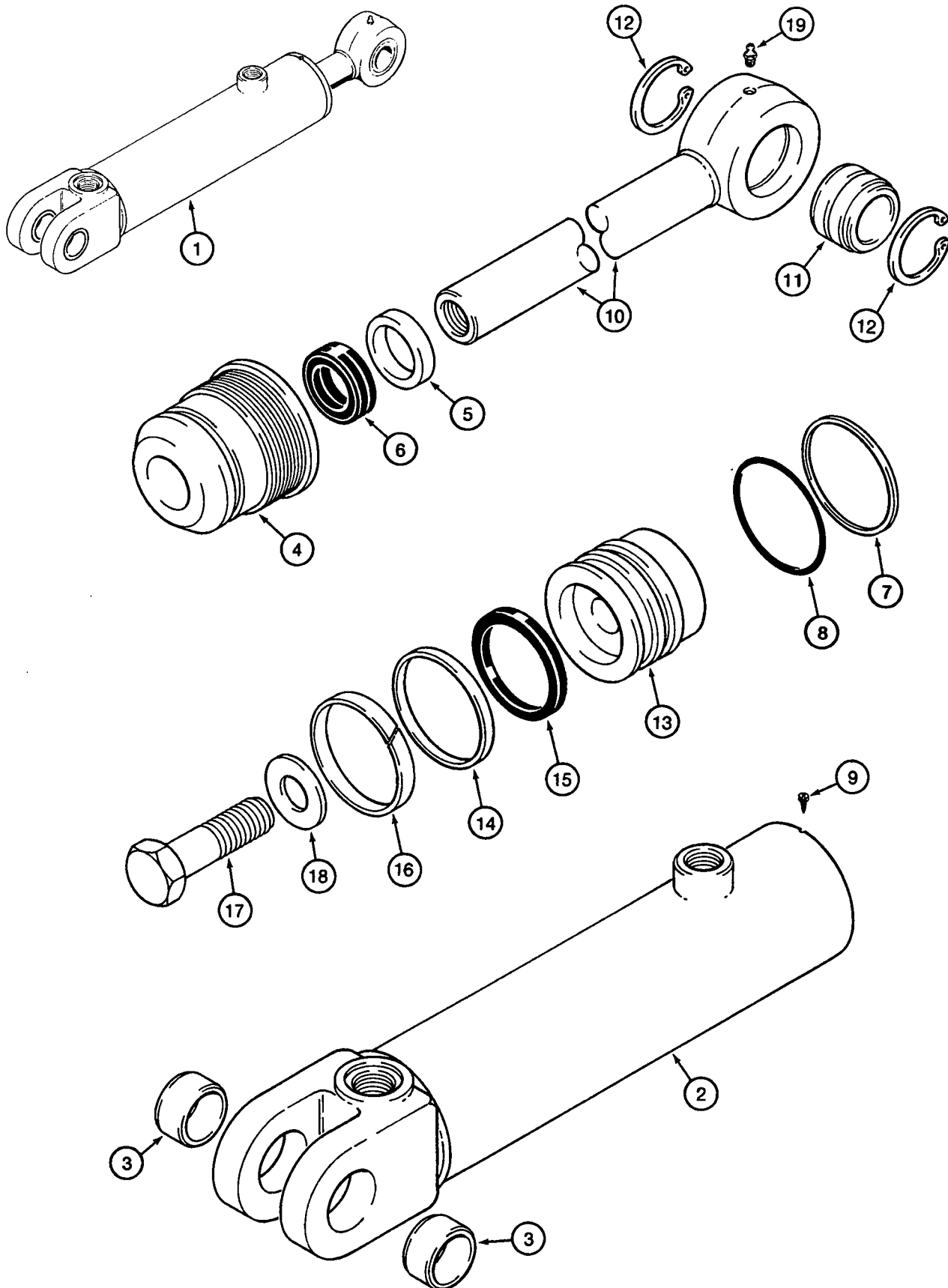


570LXT and 580L Series 2**8-157B****THREE-POINT HITCH LIFT CYLINDER****570LXT MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	296715A1	CYLINDER ASSEMBLY - 76 (3) ID x 207 mm (8-5/32 inch) stroke, lift, see note	1
2	296716A1	TUBE ASSEMBLY - cylinder	1
3	D46620	BUSHING - tube	1
3A	103-21200	RING - internal retaining, No. 200.	2
	NSS	GLAND ASSEMBLY - cylinder	1
4	297280A1	GLAND - cylinder	1
5	*D95142	WIPER - piston rod	1
6	*G102424	BUSHING - center, gland	1
	*1542874C1	KIT - seal, NSS, order 1543256C1 kit below	1
7	1542997C1	SEAL - rod, NSS, order 1543256C1 kit below.	1
8	1542996C1	SEAL - buffer, NSS, order 1543256C1 kit below.	1
9	*238-5231	O-RING - 2-5/8 ID x 1/8 inch wide, gland	1
10	*G109298	RING - backup, gland O-ring	1
11	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
12	296720A1	ROD ASSEMBLY - piston, 38 mm (1-1/2 inch) diameter	1
13	D46620	BUSHING - piston rod.	1
13A	103-21200	RING - internal retaining, No. 200.	2
14	296723A1	PISTON - cylinder	1
15	*G102288	SEAL - piston	1
16	*G100444	RING - backup, piston	1
17	*G100449	RING - wear, piston	1
18	25863R1	BOLT - hex, 3/4 NF x 2-1/2 inch, grade 8	1
19	G32317	WASHER - flat, hardened, special	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
21	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch, rod eye end	1
	*1543256C1	KIT - seal, includes all items with an asterisk, plus an instruction sheet	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-158

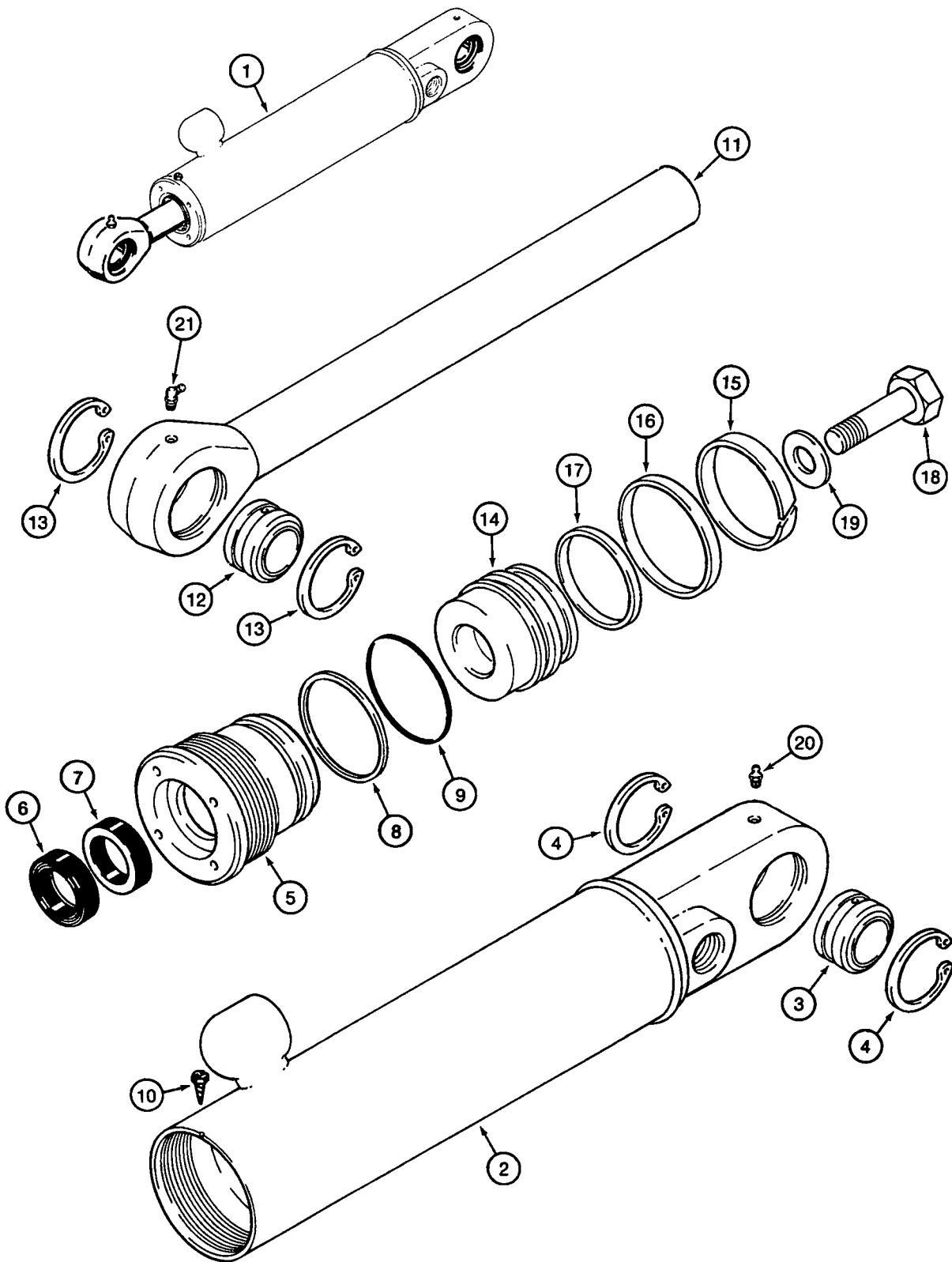


570LXT and 580L Series 2**8-159****THREE-POINT HITCH TILT CYLINDER****570LXT MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	137912A1	CYLINDER ASSEMBLY - 64 (2-1/2) ID x 160 mm (6-19/64 inch) stroke, tilt, see note	1
2	137913A1	TUBE ASSEMBLY - cylinder	1
3	D34359	BUSHING - tube	2
	NSS	GLAND ASSEMBLY - cylinder	1
4	118115A1	GLAND - cylinder	1
5	*D95141	WIPER - piston rod	1
6	*D36968	SEAL - U-cup, piston rod	1
7	*G109297	RING - backup, gland O-ring	1
8	*238-5228	O-RING - 2-1/4 ID x 1/8 inch wide	1
9	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
10	137917A1	ROD ASSEMBLY - piston, 32 mm (1-1/4 inch) diameter, cylinder.	1
11	D22200	BUSHING - piston rod.	1
12	100-21162	RING - internal retaining, No. 162	2
13	137528A1	PISTON - cylinder	1
14	*G102289	SEAL - piston	1
15	*G100713	RING - backup, piston seal	1
16	*G100714	RING - wear, piston	1
17	28-1232	BOLT - hex, 3/4 NF x 2 inch, grade 8.	1
18	G32317	WASHER - flat, hardened, special	1
19	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
	*183286A1	KIT - seal, includes all items with an asterisk and an instruction sheet.	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

8-160



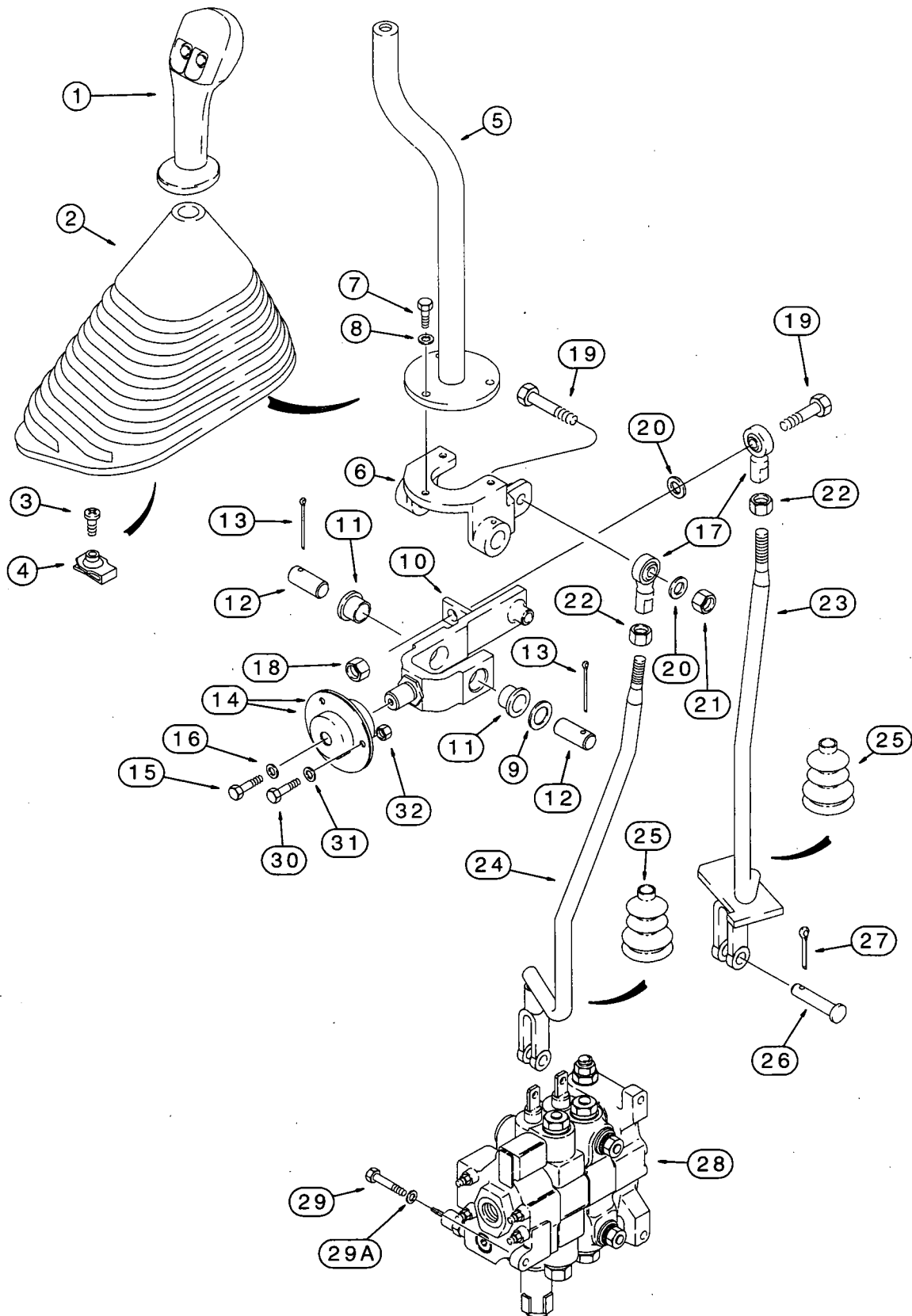
570LXT and 580L Series 2
8-161
THREE-POINT HITCH PITCH CYLINDER
570LXT MODELS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	138235A1	CYLINDER ASSEMBLY - 64 (2-1/2) ID x 178 mm (7 inch) stroke, pitch, see note	1
2	138236A1	TUBE ASSEMBLY - cylinder	1
3	D22200	BUSHING - tube	1
4	100-21162	RING - internal retaining, No. 162, bushing retaining	2
	NSS	GLAND ASSEMBLY - cylinder	1
5	118115A1	GLAND - cylinder	1
6	*D95141	WIPER - piston rod	1
7	*D36968	SEAL - U-cup, piston rod	1
8	*G109297	RING - backup, gland O-ring	1
9	*238-5228	O-RING - 2-1/4 ID x 1/8 inch wide	1
10	276-2446	SCREW - self-tapping, hex head, No. 8 NC x 3/8 inch	1
11	138847A1	ROD ASSEMBLY - piston, 32 mm (1-1/4 inch) diameter, cylinder.	1
12	D22200	BUSHING - piston rod.	1
13	100-21162	RING - internal retaining, No. 162, bushing retaining	2
14	137528A1	PISTON - cylinder	1
15	*G100714	RING - wear, piston	1
16	*G102289	SEAL - piston	1
17	*G100713	RING - backup, piston seal	1
18	28-1232	BOLT - hex, 3/4 NF x 2 inch, grade 8.	1
19	G32317	WASHER - flat, hardened, special	1
20	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
21	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch, rod eye end.	1
	*183286A1	KIT - seal, includes all items with an asterisk and an instruction sheet.	1

NOTE: The cylinder assembly part number is stamped on some cylinder glands or tubes.

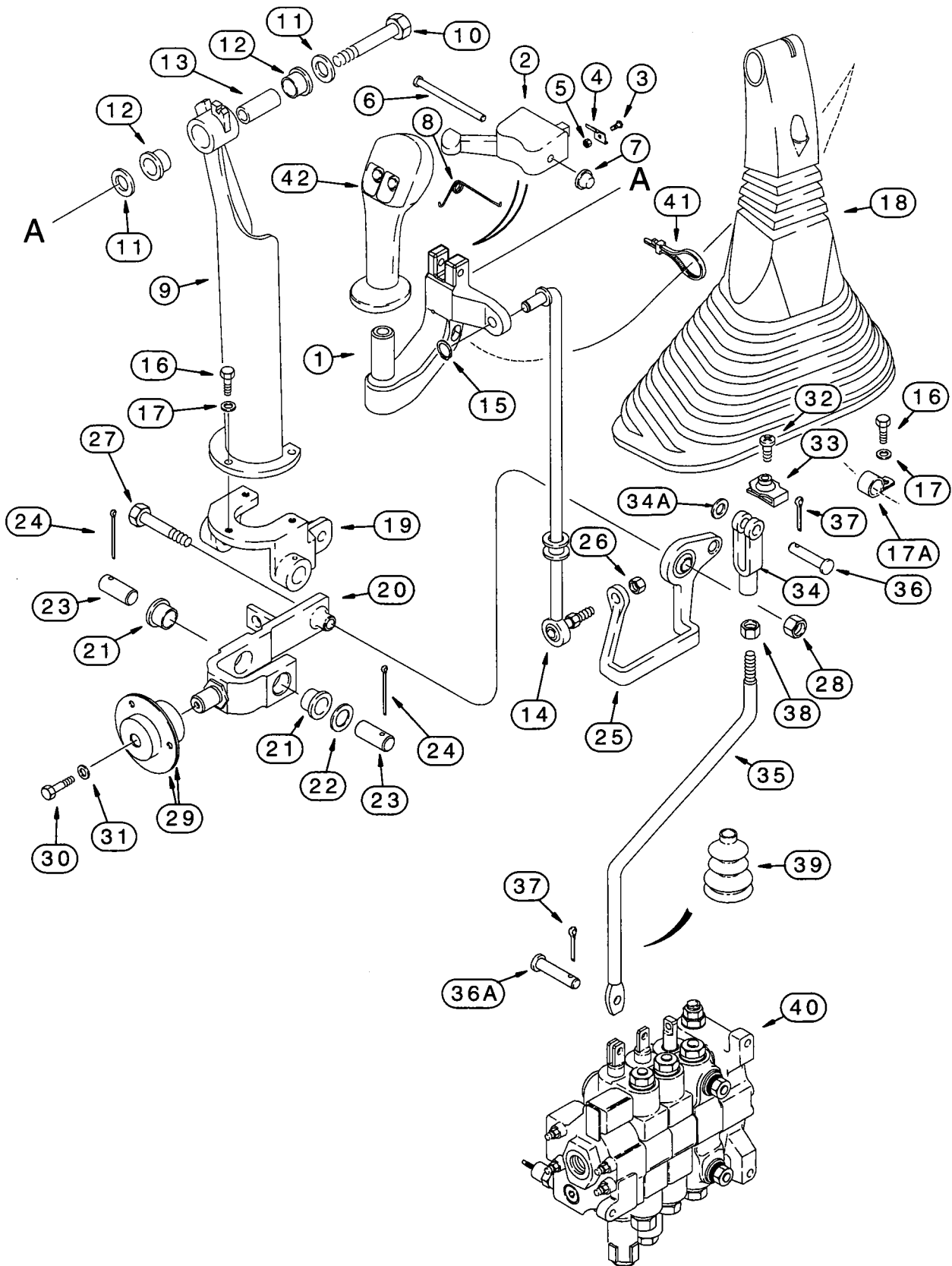
**ALPHABETICAL INDEX
CHASSIS**

DESCRIPTION	PAGE
Backhoe	
Boom.....	9-49,9-51
Boom Latch.....	9-53
Buckets	9-63 - 9-75
Control Tower and Covers	9-25,9-27
Controls.....	9-29 - 9-41
Controls - Backhoe Auxiliary.....	9-43
Controls - Excavator Control Pattern	9-39
Dipper and Bucket	9-55,9-57
Extendable Dipper	9-59,9-61
Stabilizers, Plates, and Pads	9-45
Swing Cylinders and Swing Tower.....	9-47
Battery Box and Right-Hand Step	9-93,9-95
Cab	
Air Conditioner, Heater, and Blower	9-161 - 9-169
Air Filter.....	9-159
Control Panel and Wiring	9-149
Doors and Mounting.....	9-139 - 9-143
Frame, Covers and Insulation.....	9-137
Glass.....	9-135
Headliner, Louvers, and Dome Lamp	9-157
Rear Window	9-145,9-147
Windshield Washers and Wipers	9-151 - 9-155
Canopy - ROPS.....	9-171,9-173
Chassis.....	9-91
Counterweights.....	9-87,9-89
Couplers - Quick, Loader Hydraulic Tool	9-23,9-23B
Decals.....	9-179 - 9-183
Drawbar	9-85
Fenders and Rear Closure Panels	9-111 - 9-115
Floor Plates and Mats.....	9-109
Frost Point Assembly.....	9-77
Guard - Mud	9-117
Guard - Pump and Baffle Plates.....	9-99 - 9-103
Hitch - Three-Point	9-79 - 9-83
Hood, Engine Side Panels, and Grille Unit.....	9-105,9-107
Loader	
Antirollback Control / Return-To-Dig Control	9-11
Buckets	9-15 - 9-19
Clam Controls	9-5,9-7
Frame and Mounting Parts	9-11
Guard - Loader Valve.....	9-21
Lift and Bucket Controls.....	9-3
Links - Bucket and Cylinder	9-13
Self-Leveling Control.....	9-9
Mirror - Rear View.....	9-175
Radiator Wrapper	9-97
Seats and Seat Mounting Parts.....	9-119 - 9-133F
Slow Moving Vehicle Emblem	9-177
Tank - Hydraulic Oil	9-93



570LXT and 580L Series 2**9-3****LOADER LIFT AND BUCKET CONTROLS**

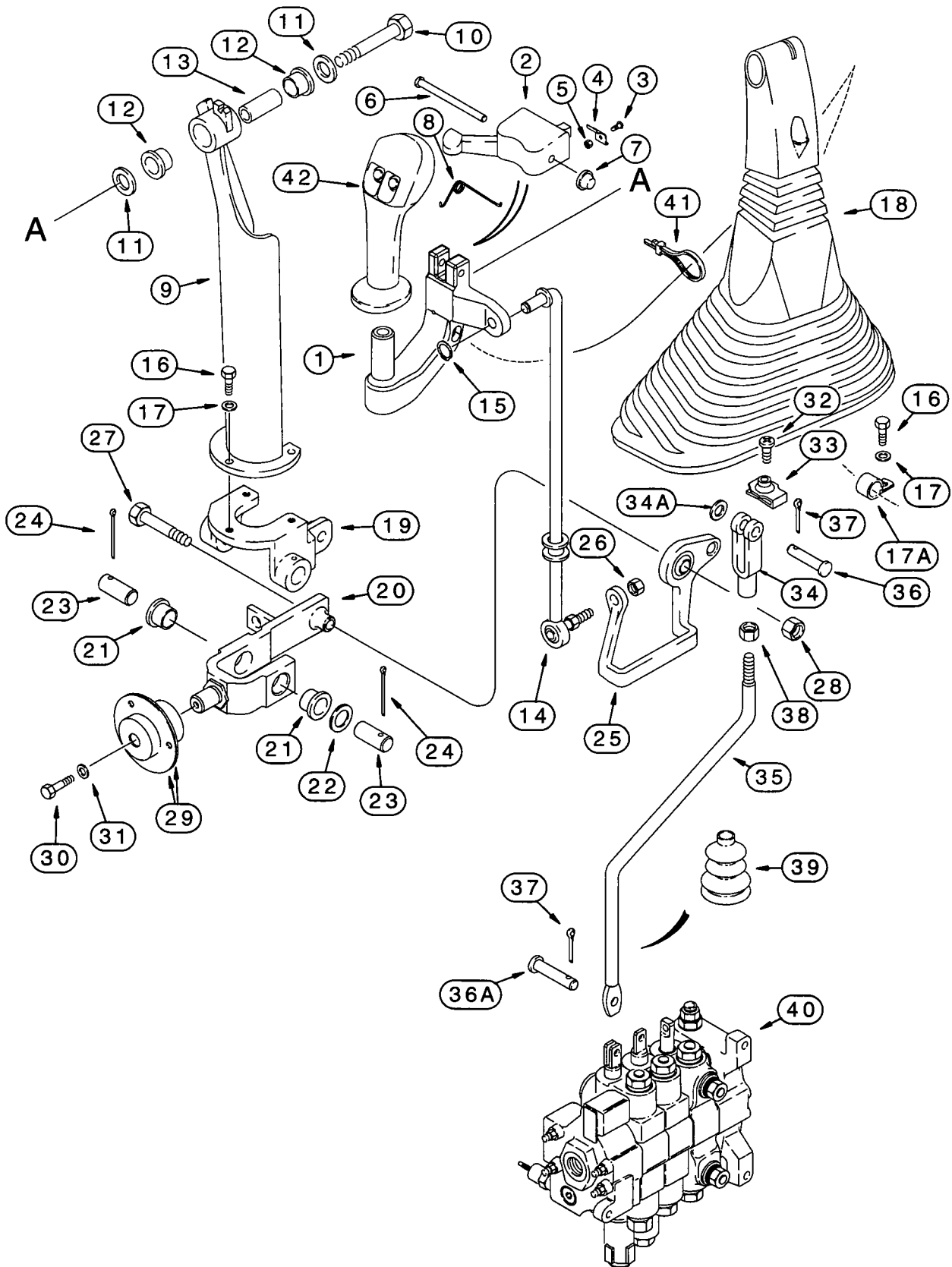
REF.	PART NO.	DESCRIPTION	REQ'D.
1	292904A1	HANDLE - control lever, loader, two button, declutch and differential lock switches	1
	256347A1	CONNECTOR - harness	1
	258616A1	LOCK - four-pin	1
	298176A1	PLUG - cavity	1
	345-133	ADHESIVE - Superbonder 409, 1 ml.	UAR
2	133615A1	BOOT - control lever, models without clam control lever, see page 9-7 for boot used on models with clam control lever	1
3	140-107	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch	1
4	131-861	CLAMP - U-type, No. 10 NC	1
5	132661A1	LEVER - control, loader lift and bucket control	1
6	195615A1	BRACKET - control lever to bellcrank	1
7	614-6016	BOLT - hex, full threads, 6 - 1.0 x 16 mm	3
8	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch.	3
9	495-81184	WASHER - flat, 21/32 x 1-1/2 x 1/32 inch, use as a spacer	1
10	176311A1	BELLCRANK - control, loader lift and bucket control	1
11	108088A1	BUSHING - flanged, bellcrank	2
12	102761A1	PIN - bellcrank to control lever bracket	2
13	432-828	PIN - cotter, 1/8 x 1-3/4 inch	2
14	112380A1	RETAINER - bearing	2
14A	465004R91	BEARING - ball	11
15	614-6016	BOLT - hex, full threads, 6 - 1.0 x 16 mm	1
16	396-41028	WASHER - flat, 9/32 x 7/8 x 3/32 inch, hardened	1
17	D136773	JOINT - ball, 3/8 inch NF	2
18	231-1446	NUT - hex, self-locking, 3/8 inch NC	1
19	413-628	BOLT - hex, 3/8 NC x 1-3/4 inch	2
20	496-21041	WASHER - flat, 13/32 x 13/16 x 3/32 inch, hardened	2
21	425-106	NUT - hex, 3/8 inch NC	2
22	425-116	NUT - hex, 3/8 inch NF	2
23	122359A1	ROD - bucket control	1
24	120204A1	ROD - lift control	1
25	132931A1	BOOT - 1/2 inch rod, at loader valve	2
26	D149288	PIN - clevis, special	2
27	432-612	PIN - cotter, 3/32 x 3/4 inch	2
28	302965A1	VALVE ASSEMBLY - control, loader, two spool, parts list page 8-71	1
29	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	3
29A	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	3
30	614-6020	BOLT - hex, full threads, 6 - 1.0 x 20 mm	3
31	396-41028	WASHER - flat, 9/32 x 7/8 x 3/32 inch, hardened	3
32	829-1406	NUT - hex, 6 mm - 1.0, class 10	3



**570LXT and 580L Series 2
LOADER CLAM CONTROL****9-5**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	297615A1	HANDLE - control lever	1
2	123815A1	LATCH - clam lock.	1
3	170-104	SCREW - machine, pan head Phillips, No. 5 NC x 3/8 inch	2
4	129914A1	SPRING - leaf, clam lock.	2
5	225-14105	NUT - hex, No. 5 NC	2
6	439-5436	PIN - headed, 1/4 x 2-1/4 inch.	1
7	143210A1	CAP - push, 1/4 inch	1
8	124243A1	SPRING - torsion, latch	1
9	123493A1	LEVER - control, loader clam	1
10	413-632	BOLT - hex, 3/8 NC x 2 inch	1
11	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	2
12	108088A1	BUSHING - flanged, control lever	2
13	133989A1	SLEEVE - pivot	1
14	239306A1	ROD - control, clam.	1
15	103-1437	RING - heavy section external retaining, No. 37	1
16	614-6016	BOLT - hex, full threads, 6 - 1.0 x 16 mm	3
17	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch.	3
17A	515-2295	CLAMP - P-type, 3/8 inch ID, clutch cutout control harness to control lever.	1
18	133617A1	BOOT - control lever, clam	1
19	195615A1	BRACKET - control lever to bellcrank	1
20	176311A1	BELLCRANK - control, loader	1
21	108088A1	BUSHING - flanged, bellcrank	2
22	495-81184	WASHER - flat, 21/32 x 1-1/2 x 1/32 inch, use as a spacer	1
23	102761A1	PIN - bellcrank to control lever bracket	2
24	432-828	PIN - cotter, 1/8 x 1-3/4 inch	2
25	112382A1	BELLCRANK - control, loader clam.	1
26	425-116	NUT - hex, 3/8 inch NF	1
27	413-632	BOLT - hex, 3/8 NC x 2 inch	1
28	231-1446	NUT - hex, self-locking, 3/8 inch NC	1
29	112380A1	RETAINER - bearing	2

Continued on next page

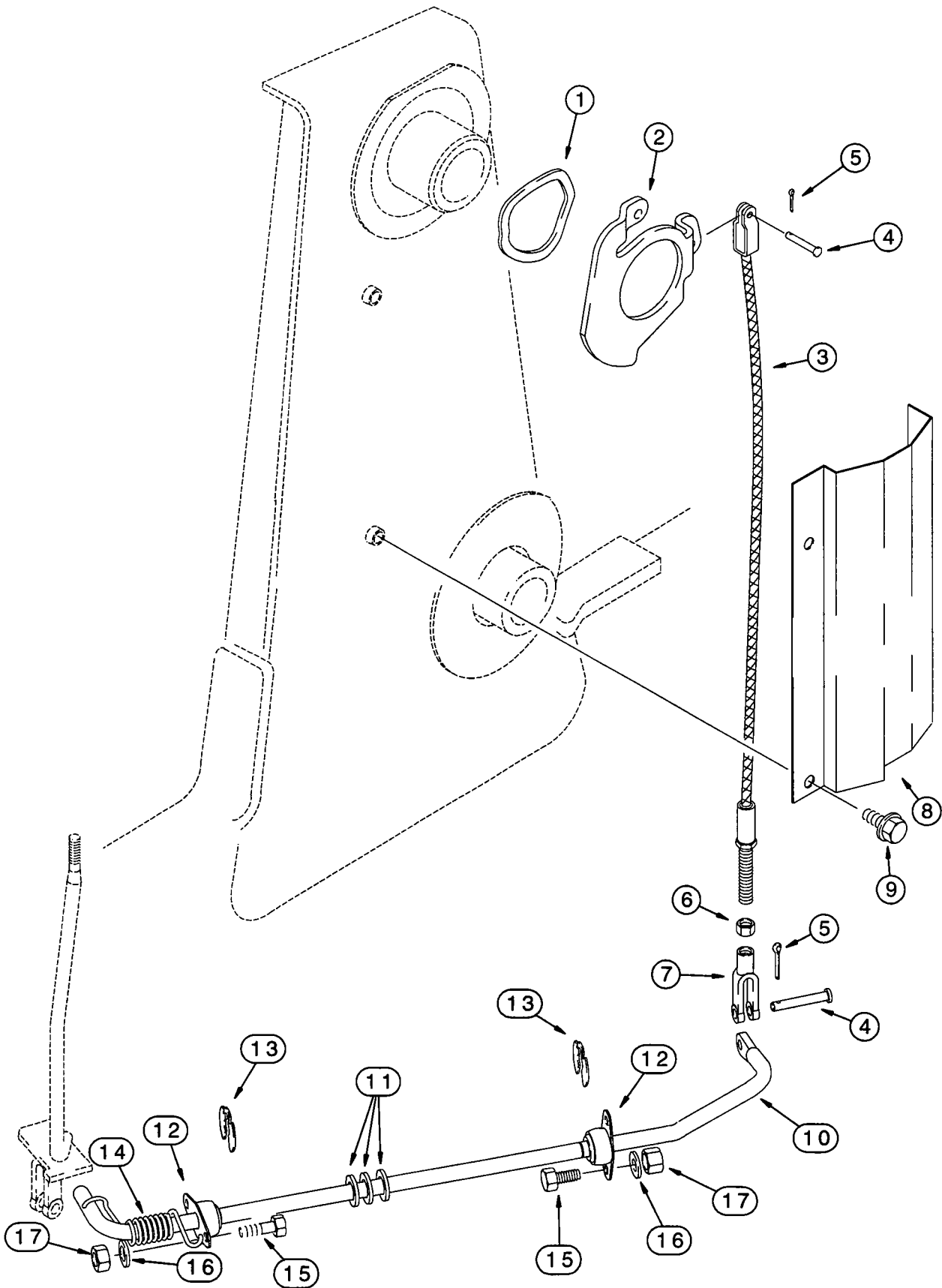


570LXT and 580L Series 2
LOADER CLAM CONTROL

9-7

REF.	PART NO.	DESCRIPTION	REQ'D.
30	614-6016	BOLT - hex, full threads, 6 - 1.0 x 16 mm	1
31	396-41028	WASHER - flat, 9/32 x 7/8 x 3/32 inch, hardened	1
32	140-107	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch	1
33	131-861	CLAMP - U-type, No. 10 NC	1
34	213-126	CLEVIS - adjustable, 3/8 inch NF	1
34A	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch, between clevis and bellcrank.	1
35	187438A1	ROD - control, clam, at loader valve	1
36	D149288	PIN - clevis, special, upper	1
36A	D149287	PIN - clevis, special, 5/16 x 15/16 inch, hardened, clam control rod lower clevis	1
37	432-612	PIN - cotter, 3/32 x 3/4 inch	2
38	425-116	NUT - hex, 3/8 inch NF	1
39	132873A1	BOOT - 3/8 inch rod, at loader valve	1
40	302966A1	VALVE ASSEMBLY - loader control, three-spool, parts list page 8-73	1
41	L18337	STRAP - tie, 15 inch, if used	1
42	292904A1	HANDLE - control lever, two button, declutch and differential lock	1
	256347A1	CONNECTOR - harness	1
	258616A1	LOCK - four-pin	1
	298176A1	PLUG - cavity.	1
	345-133	ADHESIVE - Superbonder 409, 1 ml.	UAR

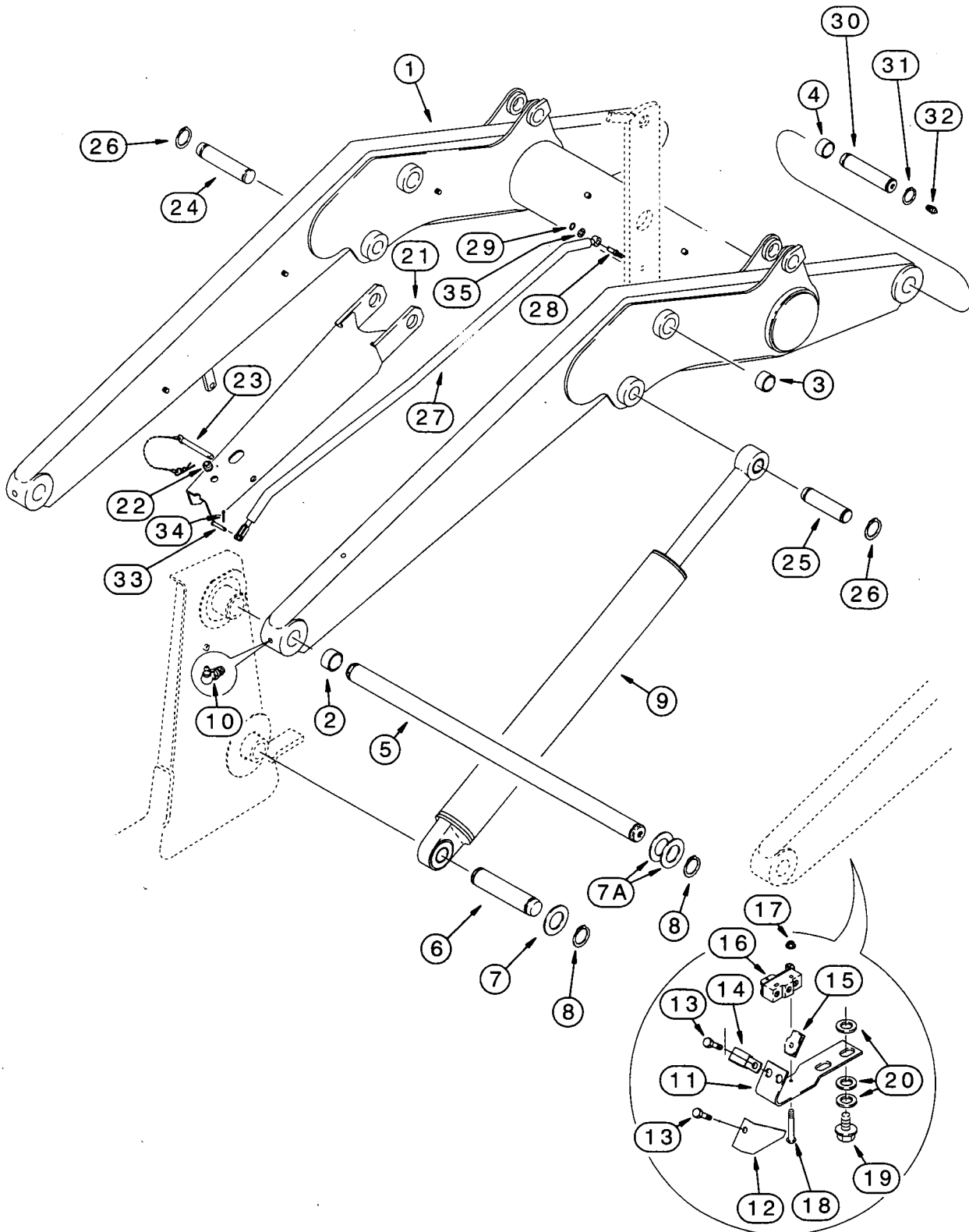
9-8



570LXT and 580L Series 2**9-9****LOADER SELF-LEVELING CONTROL**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	137283A1	WASHER - wave, at upright, loader arm pivot.	1
2	142404A1	CAM - self-leveling.	1
3	193854A1	CABLE - bucket level.	1
4	D149287	PIN - clevis, special, 5/16 x 15/16 inch, hardened.	2
5	432-612	PIN - cotter, 3/32 x 3/4 inch.	2
6	425-115	NUT - hex, 5/16 inch NF.	1
7	213-125	CLEVIS - adjustable, 5/16 inch NF.	1
8	139865A1	GUARD - cable.	1
9	844-10020	BOLT - heavy hex flange, 10 - 1.5 x 20 mm.	2
	128580A1	ROD ASSEMBLY - bucket level.	1
10	NSS	ROD - bucket level.	1
11	A30881	WASHER - special, hardened, flat, used as shim between bearing and snap ring.	3
12	L15401	BEARING - pivot, self-aligning, 5/8 inch.	2
13	D95096	RING - retaining, 5/8 inch, shaft retaining, special.	2
14	124721A1	SPRING - coil.	1
15	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm.	4
16	895-11008	WASHER - flat, 9 x 17 x 1.6 mm.	4
17	829-1408	NUT - hex, 8 mm - 1.25, class 10.	4

9-10

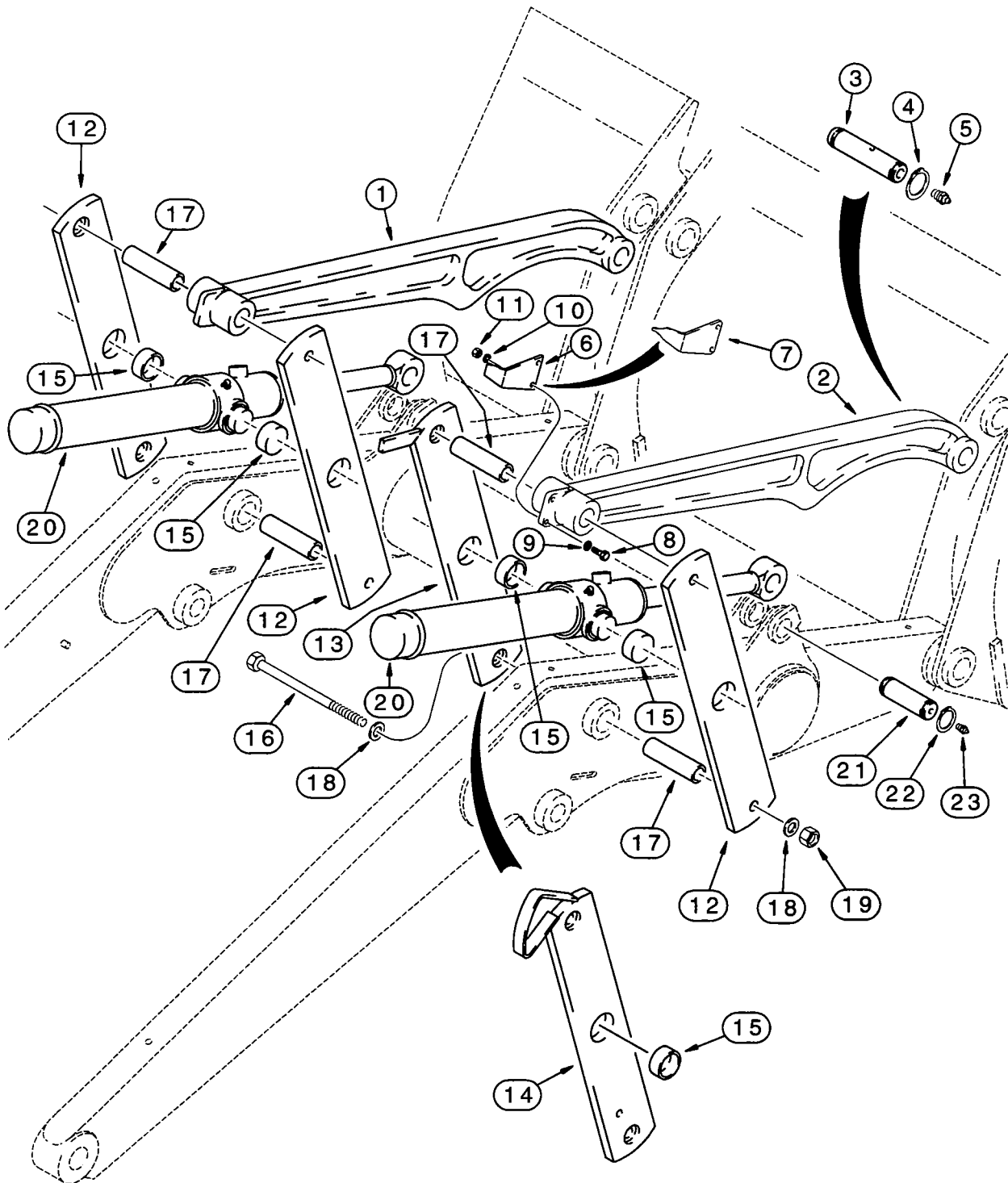


570LXT and 580L Series 2
9-11

**LOADER LIFT FRAME AND MOUNTING PARTS
LIFT CYLINDER, SUPPORT STRUT, RETURN-TO-DIG AND
ANTIROLLBACK**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	141324A1	FRAME - loader lift	1
2	D127542	BUSHING - loader frame pivot	4
3	100696A1	BUSHING - bucket cylinder link pivot, no longer included with frame, purchase separately	4
4	109268A1	BUSHING - bucket mounting	4
5	111522A1	SHAFT - loader lift frame pivot	1
6	119129A1	PIN - lift cylinder pivot, closed end.	2
7	495-81282	WASHER - flat, 2-1/16 x 3 x 3/32 inch.	4
7A	181842A1	WASHER - special, hardened, install a minimum of one washer per side . . .	UAR
8	800-44050	RING - external retaining, No. 50, 50 mm	6
9	131417A1	CYLINDER ASSEMBLY - 76 (3) ID x 766 mm (30-5/32 inch) stroke, loader lift, parts list page 8-139	2
10	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch	2
11	128818A1	BRACKET - mounting, return-to-dig switch	1
12	142524A1	COVER - return-to-dig switch	1
13	614-6016	BOLT - hex, full threads, 6 - 1.0 x 16 mm	2
14	A62209	CLAMP - P-type.	1
15	833-40406	NUT - U-type, 6 mm - 1.0	2
16	D137363	SWITCH - return-to-dig	1
17	193-1003	NUT - hex, with external tooth lock washer, No. 6 NC	2
18	440-10616	SCREW - machine, pan Phillips, No. 6 NC x 1 inch	2
19	128312A1	BOLT - hex flange, special, 10 x 15 mm	2
20	895-11010	WASHER - flat, 11 x 20 x 2 mm	6
21	242369A1	STRUT - support, loader frame, left-hand lift arm only	1
22	D121047	GROMMET - support strut.	1
23	104824A1	PIN - lock, includes lanyard and hair pin	1
24	118900A1	PIN - left-hand lift cylinder rod end and support strut, mount tapered end to the outside	1
25	113629A1	PIN - 155 mm (6-1/8 inch) long, right-hand lift cylinder rod end	1
26	800-44040	RING - external retaining, No. 40, pin retaining.	4
27	182895A1	ROD - antirollback, attaches to bucket cylinder link	1
28	192815A1	PIN - antirollback rod to bucket cylinder link	1
29	103-3350	RING - E-type, external retaining, No. 50	1
30	118901A1	PIN - loader lift frame to loader bucket	2
31	800-44040	RING - external retaining, No. 40, pin retaining.	4
32	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
33	427-6088	PIN - clevis, 3/8 x 7/8 inch, hardened	1
34	432-612	PIN - cotter, 3/32 x 3/4 inch	1
35	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	1

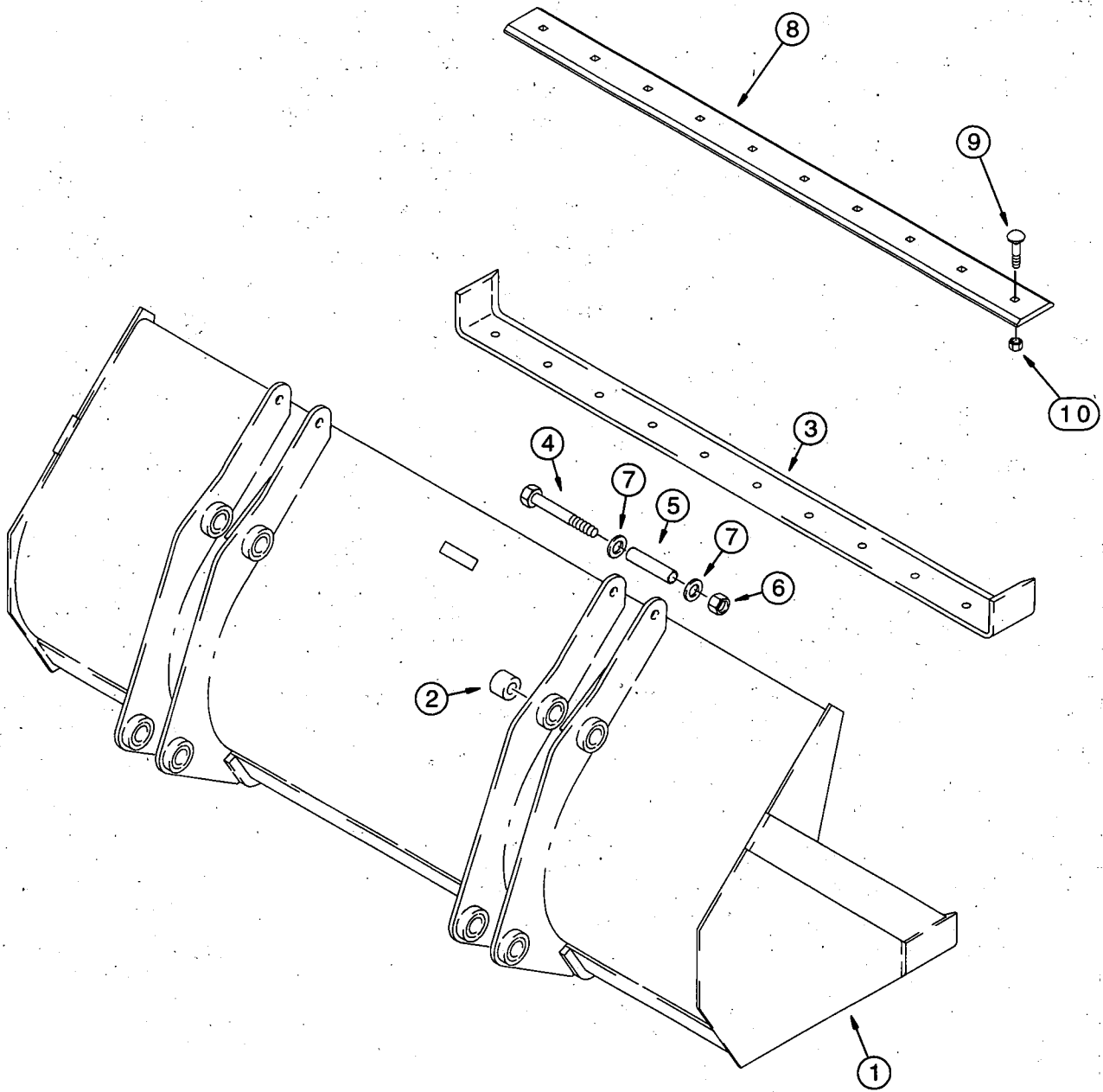
9-12



570LXT and 580L Series 2**9-13****LOADER FRAME BUCKET LINKS AND BUCKET CYLINDER LINKS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	141471A1	LINK - bucket, left-hand, without mounting holes for bucket position pointer, used in production, for service order 141472A1 link, item 2.	1
2	141472A1	LINK - bucket, left-hand or right-hand, with mounting holes for bucket position pointer	1-2
3	118901A1	PIN - bucket links to loader bucket	2
4	800-44040	RING - external retaining, No. 40, pin retaining.	4
5	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
6	D121194	POINTER - bucket position, models without clam bucket	1
7	250851A1	POINTER - bucket position, models with clam bucket	1
8	614-8030	BOLT - hex, full threads, 8 - 1.25 x 30 mm	2
9	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	2
10	892-11008	WASHER - lock, 8 mm	2
11	829-1408	NUT - hex, 8 mm - 1.25, class 10	2
12	139180A1	LINK - bucket cylinder, outer right-hand and inner and outer left-hand, includes item 15 bushing	3
13	139235A1	LINK - bucket cylinder, inner right-hand, with extra hole for antirollback rod, includes item 15 bushing, models without clam bucket, see item 14 link for models with clam bucket	1
14	139195A1	LINK - bucket cylinder, inner right-hand, with extra hole for antirollback rod, includes item 15 bushing, models with clam bucket, see item 13 for models without clam bucket.	1
15	D151034	BUSHING - one per each link, items 12-14	1
16	827-20190	BOLT - hex, 20 - 2.5 x 190 mm, class 10.9	4
17	D132076	BUSHING - spacer, cylinder links	4
18	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	8
19	829-1420	NUT - hex, 20 mm - 2.5, class 10	4
20	175238A1	CYLINDER ASSEMBLY - 70 (2-3/4) ID x 522 mm (20-9/16 inch) stroke, loader bucket, parts list page 8-141.	2
21	116339A1	PIN - bucket cylinder rod end	2
22	800-44040	RING - external retaining, No. 40, pin retaining.	4
23	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2

9-14

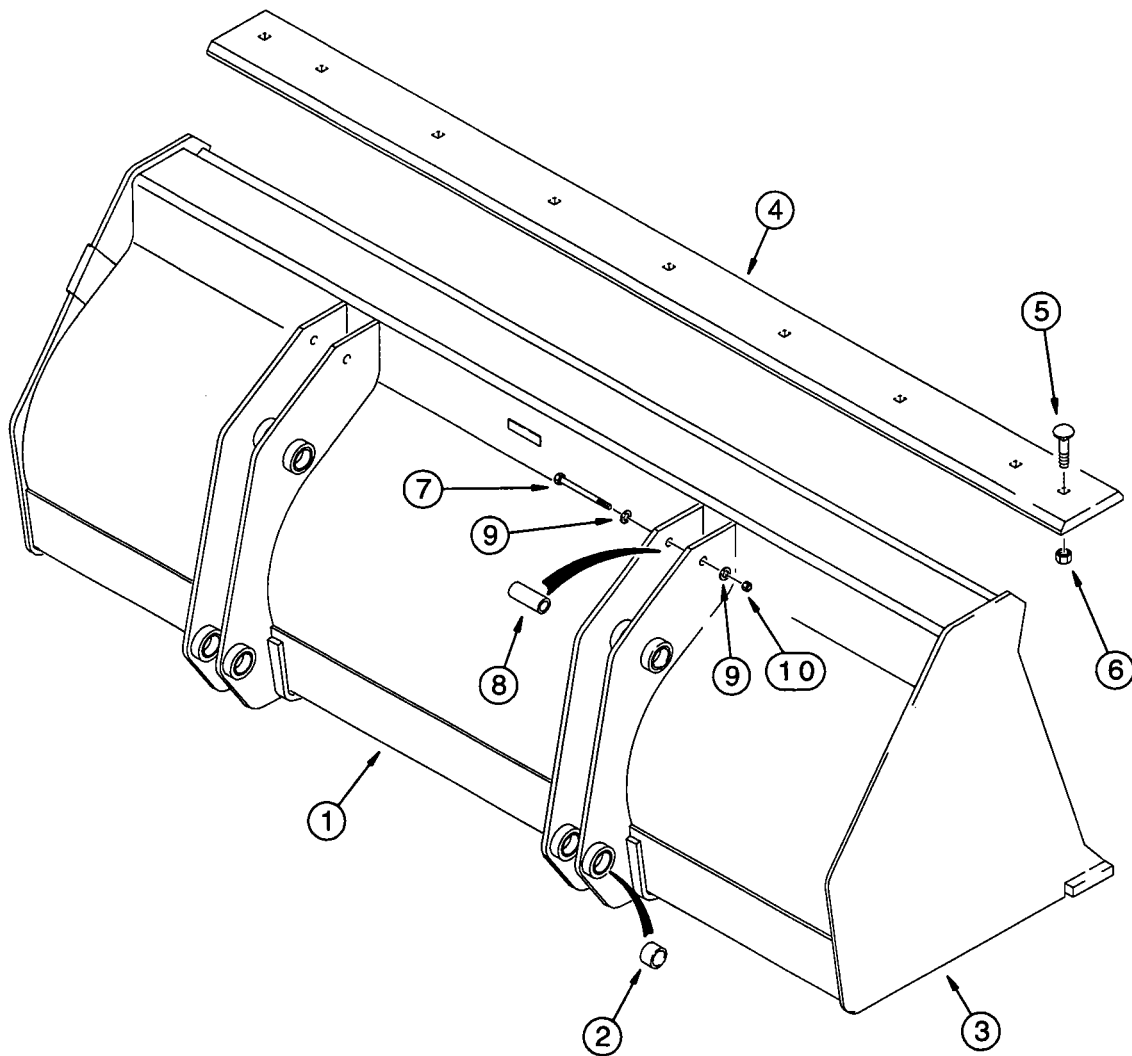


570LXT and 580L Series 2
LOADER LONG LIP BUCKETS

9-15

REF.	PART NO.	DESCRIPTION	REQ'D.
	253125A1	BUCKET ASSEMBLY - loader, without bucket teeth, order from Machinery Price List, 2083 mm (82 inch) wide	1
1	NSS	BUCKET - loader	1
2	D129264	BUSHING - bucket ear	8
3	132988A1	EDGE - cutting, center, 2083 mm (82 inch) bucket	1
4	828-20160	BOLT - hex, 20 - 2.5 x 160 mm, class 10.9	2
5	142538A1	SPACER - chain hook	2
6	832-10420	NUT - hex, self-locking, 20 mm - 2.5	2
7	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	4
8	142300A1	EDGE - cutting, bolt-on, center, 2083 mm (82 inch) bucket	1
9	420-21232	BOLT - plow, 3/4 NC x 2 inch, grade 8	10
10	429-1012	NUT - hex, 3/4 inch NC, grade 8	10
	276317A1	BUCKET ASSEMBLY - loader, without bucket teeth, order from Machinery Price List, 2083 mm (82 inch) wide, with bolt-on cutting edge	1
	253125A1	BUCKET ASSEMBLY - loader, without bucket teeth, order from Machinery Price List, 2083 mm (82 inch) wide	1
1	NSS	BUCKET - loader	1
2	D129264	BUSHING - bucket ear	8
3	132988A1	EDGE - cutting, center, 2083 mm (82 inch) bucket	1
4	828-20160	BOLT - hex, 20 - 2.5 x 160 mm, class 10.9	2
5	142538A1	SPACER - chain hook	2
6	832-10420	NUT - hex, self-locking, 20 mm - 2.5	2
7	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	4
8	142300A1	EDGE - cutting, bolt-on, center, 2083 mm (82 inch) bucket	1
9	420-21232	BOLT - plow, 3/4 NC x 2 inch, grade 8	10
10	429-1012	NUT - hex, 3/4 inch NC, grade 8	10

9-16

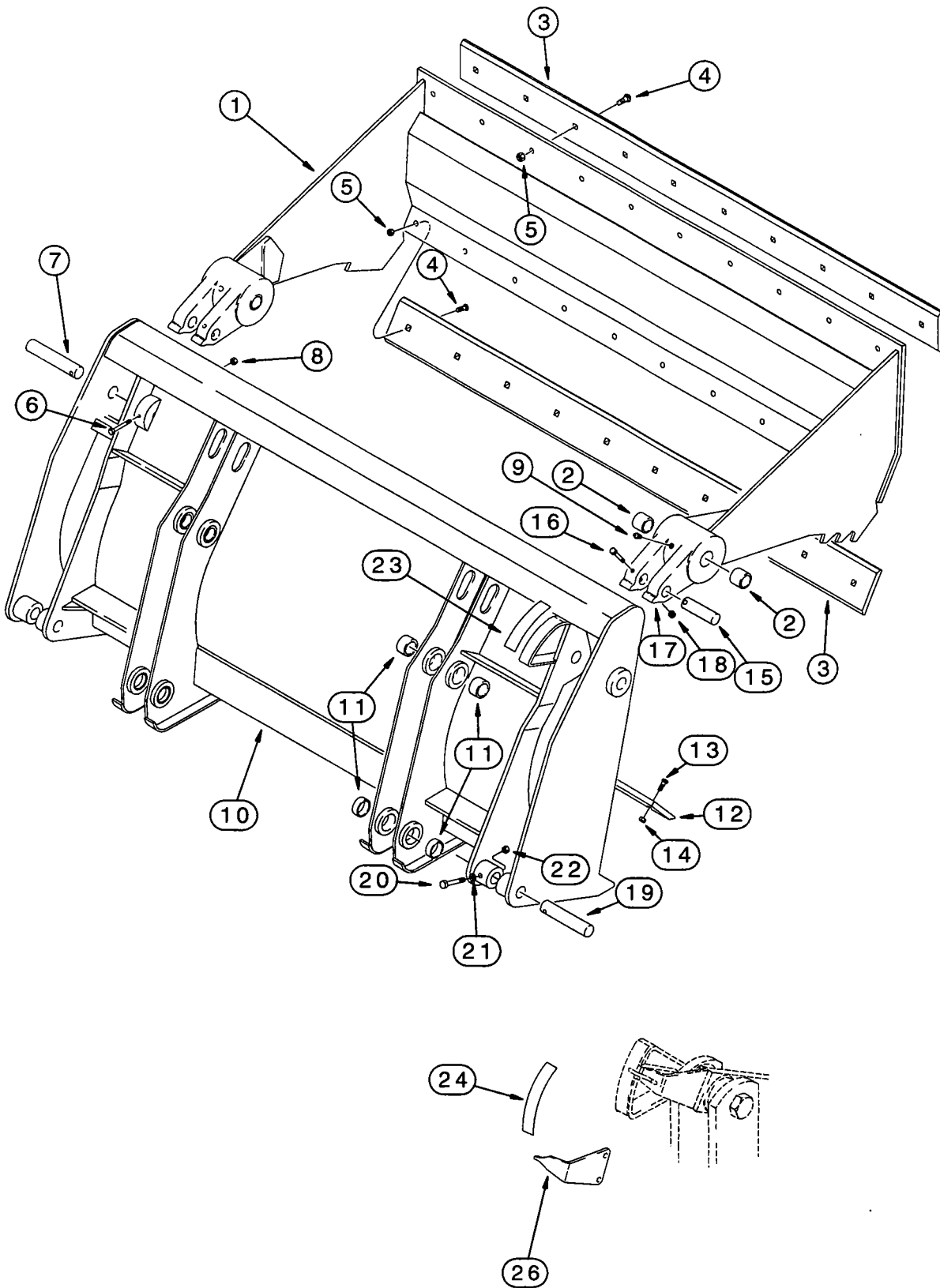


570LXT and 580L Series 2
LOADER LONG LIP BUCKET

9-17

REF.	PART NO.	DESCRIPTION	REQ'D.
	198539A1	BUCKET ASSEMBLY - loader, without bucket teeth, order from Machinery Price List, 2362 mm (93 inch) wide, if used	1
1	NSS	BUCKET - loader	1
2	D129264	BUSHING - bucket ear	8
3	134844A1	EDGE - cutting, weld-on, blade mounting	1
4	185506A1	EDGE - cutting, bolt-on, 93 inch (2362 mm) bucket.	1
5	20-21232	BOLT - plow, 3/4 NC x 2 inch, grade 8.	10
6	429-1012	NUT - hex, 3/4 inch NC, grade 8	10
7	828-20160	BOLT - hex, 20 - 2.5 x 160 mm, class 10.9	2
8	142538A1	SPACER - chain hook	2
9	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	4
10	832-10420	NUT - hex, self-locking, 20 mm - 2.5	2

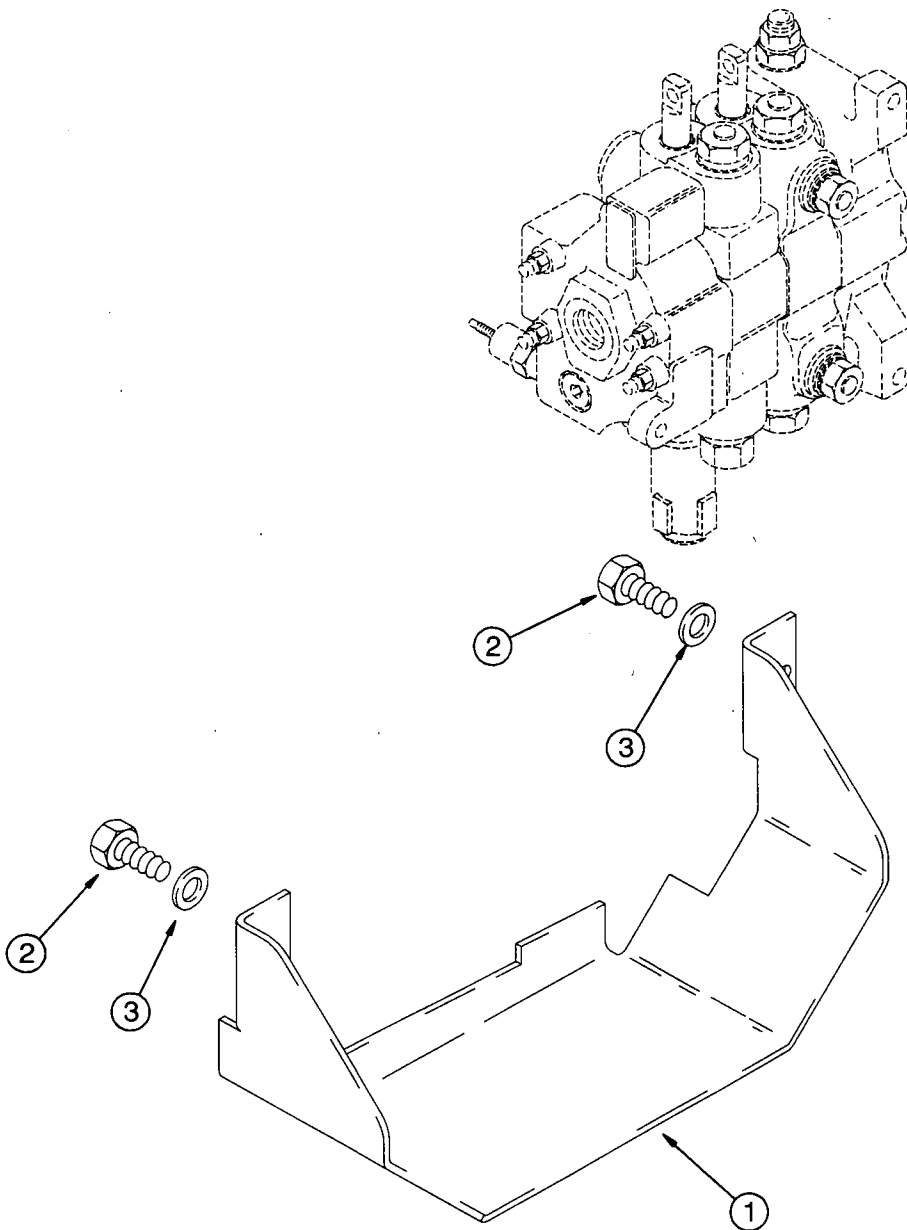
9-18



**570LXT and 580L Series 2
LOADER CLAM BUCKET****9-19**

REF.	PART NO.	DESCRIPTION	REQ'D.
	185488A1	BUCKET ASSEMBLY - clam, order from Machinery Price List, 2083 mm (82 inch) wide	1
	175156A1	CLAM ASSEMBLY - bucket	1
1	NSS	CLAM - bucket	1
2	D31140	BUSHING - 25 mm (1 inch) long, clam pivot	4
3	142300A1	EDGE - cutting, bucket	2
4	20-21232	BOLT - plow, 3/4 NC x 2 inch, grade 8	20
5	29-1012	NUT - hex, 3/4 inch NC, grade 8	20
6	844-10110	BOLT - heavy hex flange, 10 - 1.5 x 110 mm	2
7	D51391	PIN - pivot, clam to blade	2
8	832-10410	NUT - hex, self-locking, 10 mm - 1.5	2
9	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
	175160A1	BLADE ASSEMBLY - clam bucket	1
10	NSS	BLADE - bucket	1
11	D129264	BUSHING - bucket ear	8
12	121920A1	EDGE - cutting, blade	1
13	20-21032	BOLT - plow, 5/8 NC x 2 inch, grade 8	10
14	29-1010	NUT - hex, 5/8 inch NC, grade 8	10
15	D51392	PIN - cylinder mounting, upper	2
16	814-10090	BOLT - hex, 10 - 1.5 x 90 mm	2
17	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
18	832-10410	NUT - hex, self-locking, 10 mm - 1.5	2
19	D51393	PIN - cylinder mounting, lower	2
20	814-10080	BOLT - hex, 10 - 1.5 x 80 mm	2
21	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
22	832-10410	NUT - hex, self-locking, 10 mm - 1.5	2
23	321-1708	DECAL - 0 - 2 - 4, clam bucket opening indicator	1
24	321-1707	DECAL - clam bucket position	1
26	250851A1	POINTER - bucket position, bolts to clam bucket link, see page 9-13 for link and mounting hardware	1

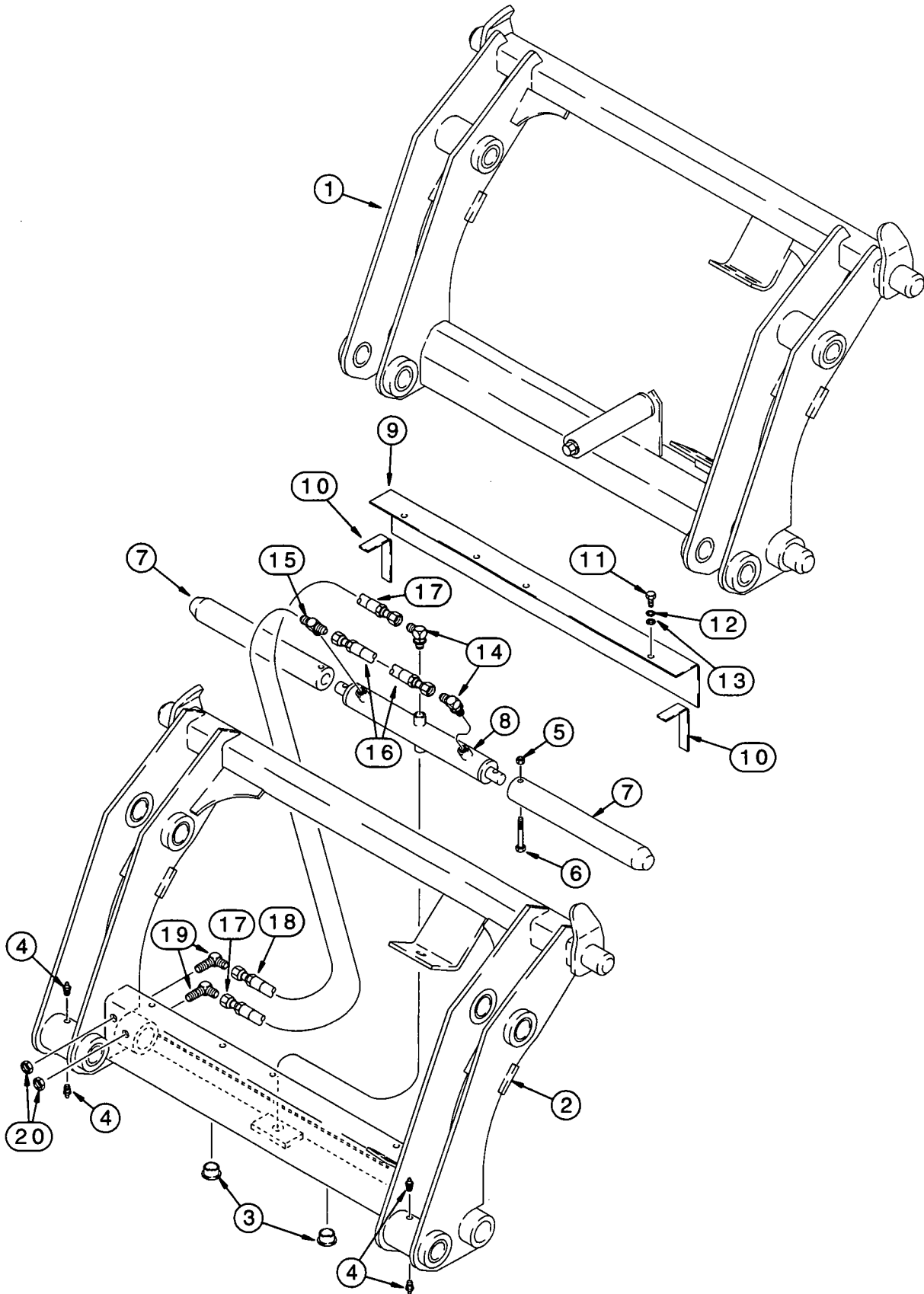
9-20



**570LXT and 580L Series 2
LOADER VALVE GUARD**

9-21

REF.	PART NO.	DESCRIPTION	REQ'D.
1	238048A2	GUARD - valve shield, if used	1
2	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	2
3	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	2



**570LXT and 580L Series 2
TOOL QUICK COUPLERS****9-23**

REF.	PART NO.	DESCRIPTION	REQ'D.

***TOOL QUICK COUPLER, MANUAL**

1	* 191239A1	COUPLER - tool, loader, manual, used with D121194 bucket position pointer and 139235A1 right-hand bucket cylinder link, Ref 6 and 13 on page 9-13 and Ref 40 - 44 on page 8-67, if used	1

TOOL QUICK COUPLER, HYDRAULIC

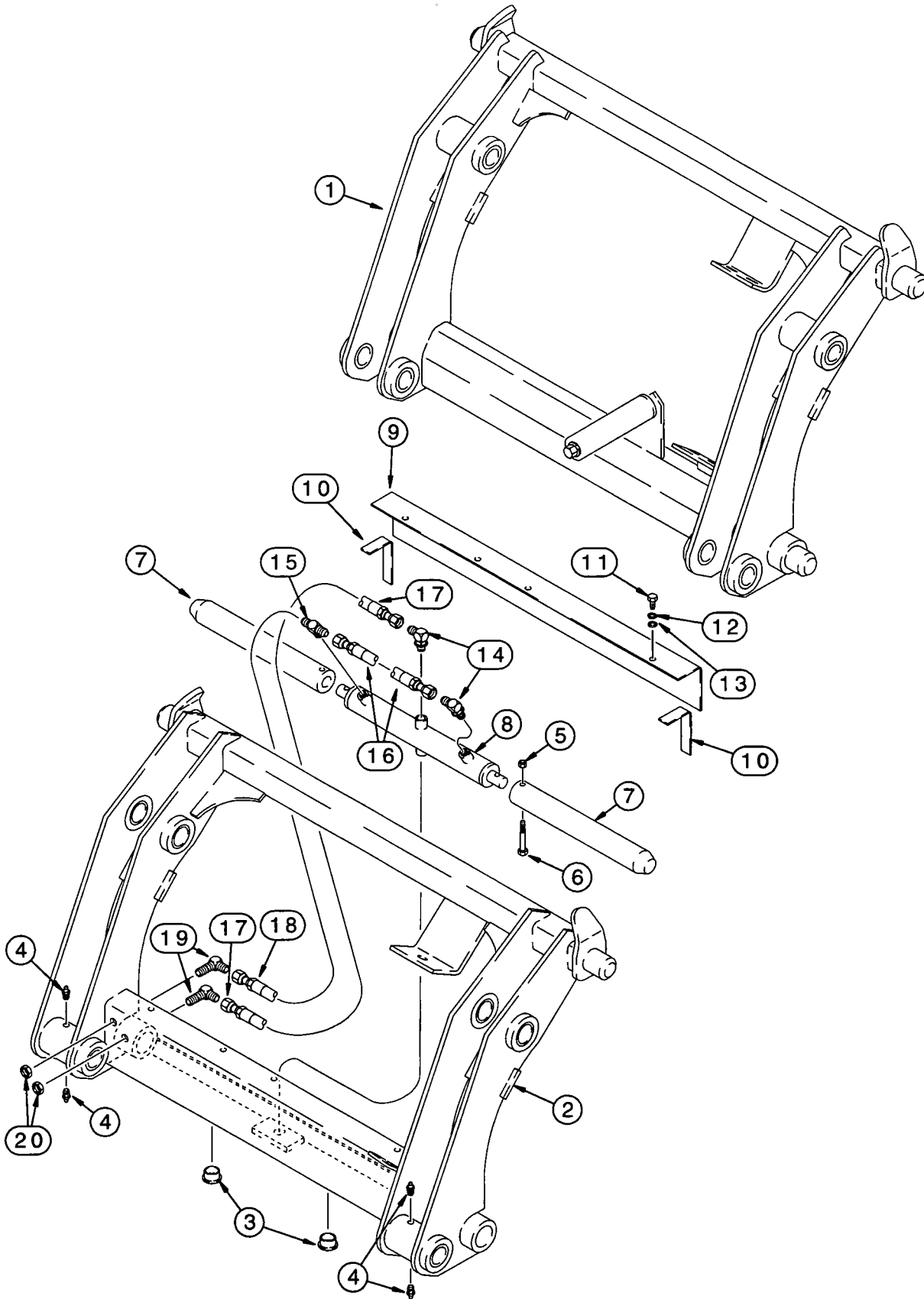
	+ 292969A2	COUPLER - quick, tool, loader, hydraulic, for complete assembly order from Machinery Price List	1
2	NSS	FRAME - quick tool coupler	1
3	305497A1	PLUG - plastic, 1-1/4 ID x 1/2 inch OD.	2
4	219-87	FITTING - grease, straight, 1/4-28 self-tapping x 9/16 inch	4
5	231-4246	NUT - hex, self-locking, 3/8 inch NC	2
6	326-640	BOLT - hex, 3/8 NC x 2-1/2 inch, grade 8	2
7	305496A1	PIN - 1-15/16 OD x 15 inch long	2
8	305499A1	CYLINDER - double acting, component parts not serviced separately	1
9	305495A1	COVER - channel.	1
10	NSS	SEAL - foam.	2
11	413-516	BOLT - hex, 5/16 NC x 1 inch	3
12	492-11031	WASHER - lock, 5/16 inch	3
13	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	3
14	218-5105	ELBOW - 90 degree, 9/16-18 inch flare x adj O-ring boss	2
	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
15	218-5182	TEE - 9/16-18 inch adj O-ring branch x flare x flare	1
	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
16	305492A1	HOSE - 260 mm (10-1/4 inch) long	1
17	305494A1	HOSE - 387 mm (15-1/4 inch) long	1
18	305493A1	HOSE - 235 mm (9-1/4 inch) long	1
19	218-693	ELBOW - 90 degree, 9/16-18 inch flare x bulkhead flare.	2
20	218-1251	NUT - hex, lock, bulkhead, 7/8 inch NF	2
21	305508A1	KIT - decal, includes four decals, not shown	1
	307385A1	HOSE - 387 mm (15-1/4 inch) long, not shown	2
	307386A1	HOSE - 629 mm (24-3/4 inch) long, not shown	1
	307387A1	HOSE - 718 mm (28-1/4 inch) long, not shown	1
	307388A1	SLEEVE - hose guard, 660 mm (26 inch) long, not shown	1
	307389A1	SWIVEL - coupler, not shown	2
	137344A1	CAP - male coupling, not shown	1
	137343A1	CAP - female coupling, not shown	1

***NOTE:** Coupler comes complete, component parts are not serviced separately.

+NOTE: See page 8-61 for hydraulic tool quick coupler hydraulics.

Continued on next page

9-23A



570LXT and 580L Series 2
TOOL QUICK COUPLERS

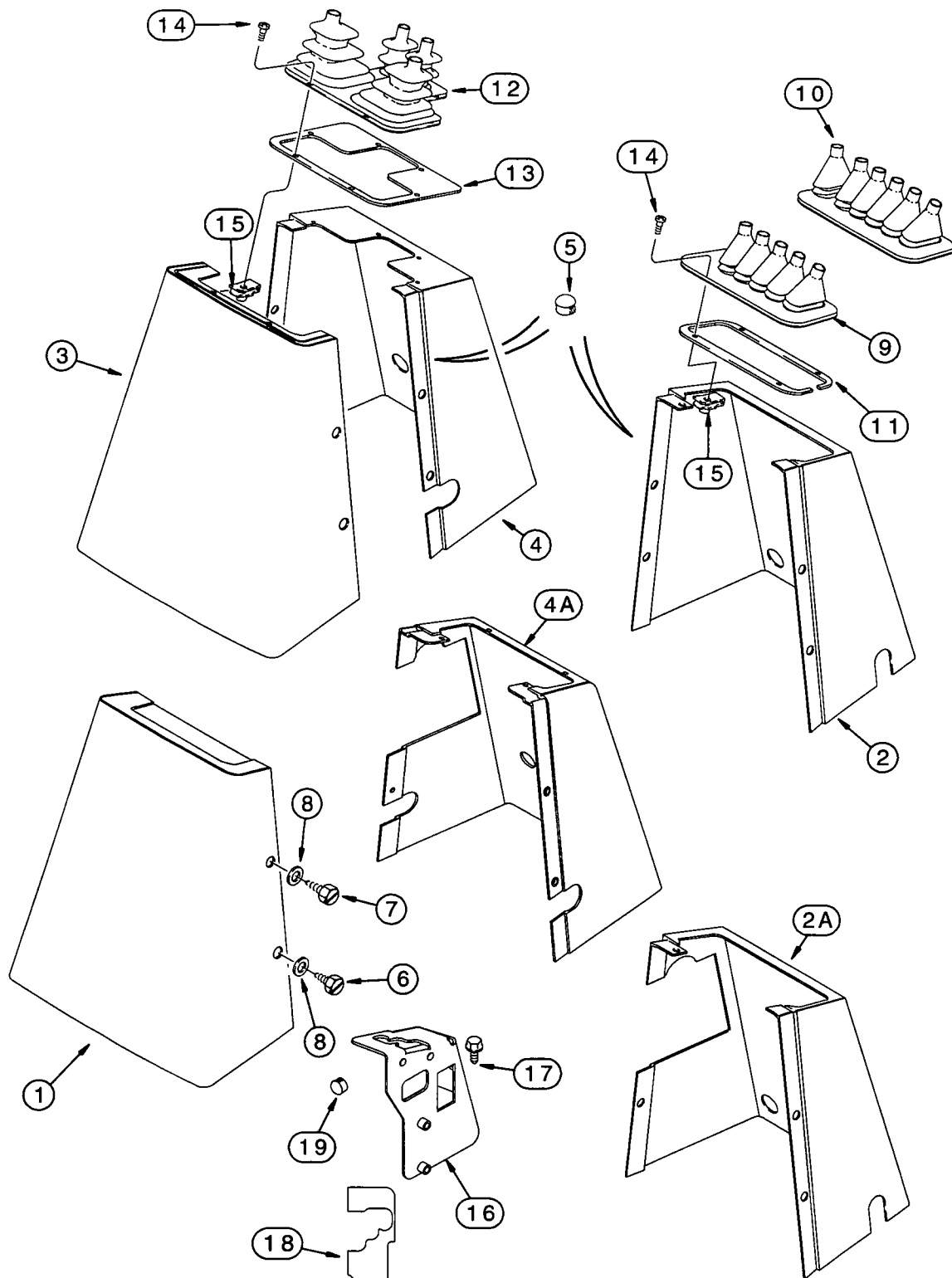
9-23B

REF.	PART NO.	DESCRIPTION	REQ'D.

TOOL QUICK COUPLER, HYDRAULIC

+292969A2	COUPLER - quick, tool, loader, hydraulic, for complete assembly order from Machinery Price List, continued from previous page.....	1
123537A1	COUPLING - quick disconnect, female, not shown	1
245423A1	COUPLER - hydraulic, not shown	1
126155A1	CONNECTOR - straight, bulkhead, not shown	2
218-695	ELBOW - 90 degree, 7/8-14 inch flare x bulkhead flare, not shown	2
218-1256	NUT - hex, lock, bulkhead, 1-1/16 inch NF, not shown	2
218-1279	NUT - hex, lock, 7/8 inch NF, not shown	2
237-6012	O-RING - 59/64 ID x 7/64 inch wide, not shown	2

+ **NOTE:** See page 8-61 for hydraulic tool quick coupler hydraulics.

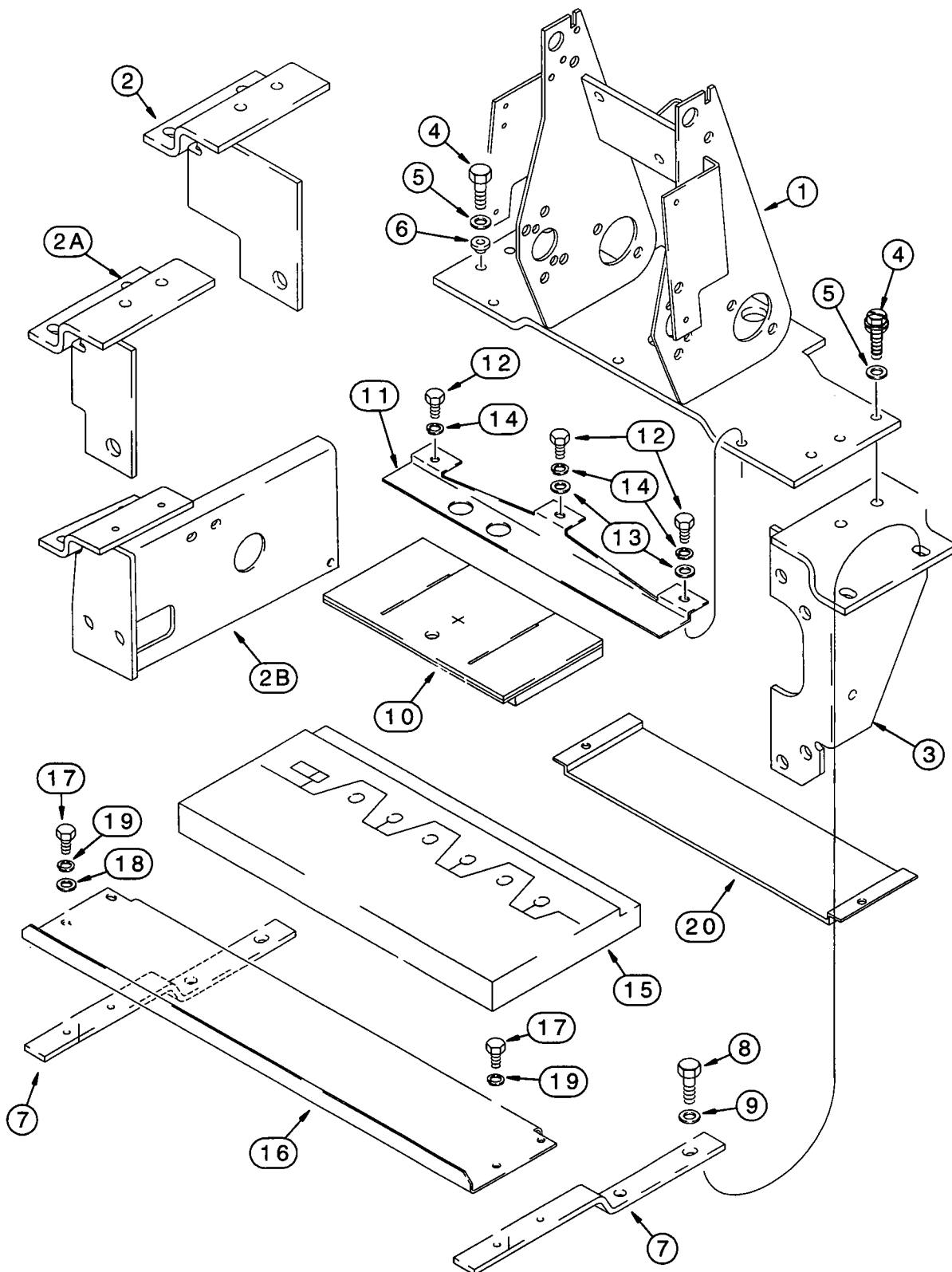


570LXT and 580L Series 2**9-25****BACKHOE CONTROL TOWER COVERS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	128403A1	COVER - rear, console, used on all models with foot swing	1
2	130480A1	COVER - console, front, used on models with foot swing, without auxiliary hydraulics	1
2A	253394A1	COVER - console, front, used on models with foot swing, with auxiliary hydraulics.	1
3	128401A1	COVER - console, rear, used on all models with hand swing	1
4	130479A1	COVER - front, console, used on models with hand swing, without auxiliary hydraulics	1
4A	277187A1	COVER - console, front, used on models with hand swing, with auxiliary hydraulics.	1
5	353-411	PLUG - button, 1 inch, nylon, 1 used with 130479A1 console - 2 used with 130480A1 console cover	1-2
6	281-1878	SCREW - self-tapping, hex washer head, 1/4 NC x 1/2 inch, lower	2
7	281-18712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch, upper	3
8	195-140	WASHER - flat, 9/32 x 5/8 x 1/16 inch.	5
9	D149866	BOOT - used with 130480A1 console cover with 5 control levers.	1
10	D149867	BOOT - used with 130480A1 console cover with 6 control levers.	1
11	136822A1	RETAINER - boot, used with items 9 and 10.	1
12	D149868	BOOT - used with 130479A1 console cover with 4 control levers.	1
13	136824A1	RETAINER - boot, used with item 12 only.	1
14	140-106	SCREW - machine, pan head Phillips, No. 10 NC x 1/2 inch (4) used with 136822A1 retainer, (6) used with 136824A1 retainer.	4-6
15	131-861	CLAMP - U-type, No. 10 NC (4) used with 136822A1 retainer, (6) used with 136824A1 retainer	4-6

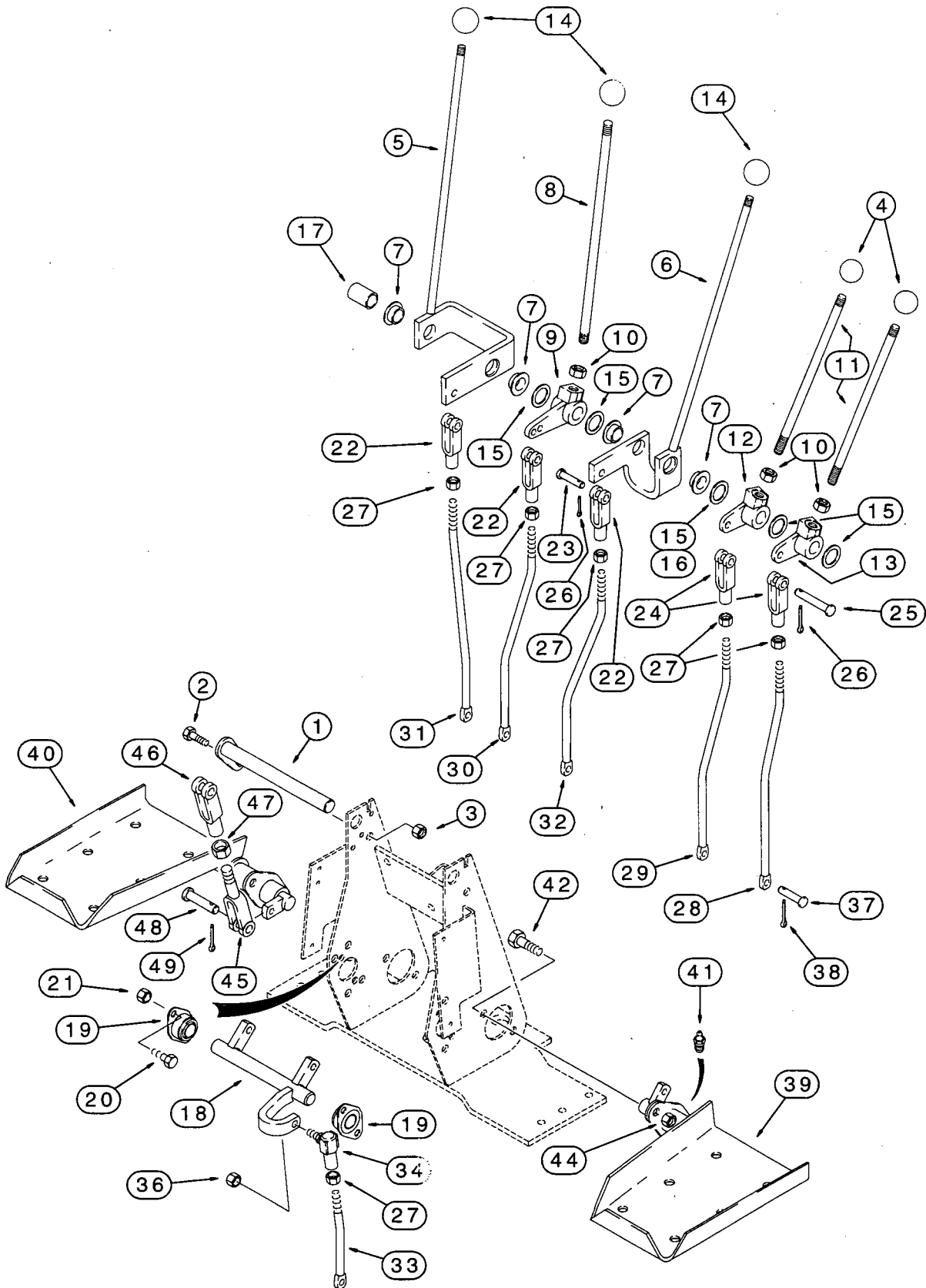
MODELS WITH BACKHOE AUXILIARY HYDRAULICS

16	277184A2	BRACKET - control lever	1
17	281-14716	SCREW - self-tapping, hex washer head, 1/4 NC x 1 inch	2
18	299383A1	DECAL - backhoe auxiliary hydraulic control.	1
19	353-408	PLUG - button, 3/4 inch	1



570LXT and 580L Series 2**9-27****BACKHOE CONTROL TOWER SUPPORT AND SEALS**

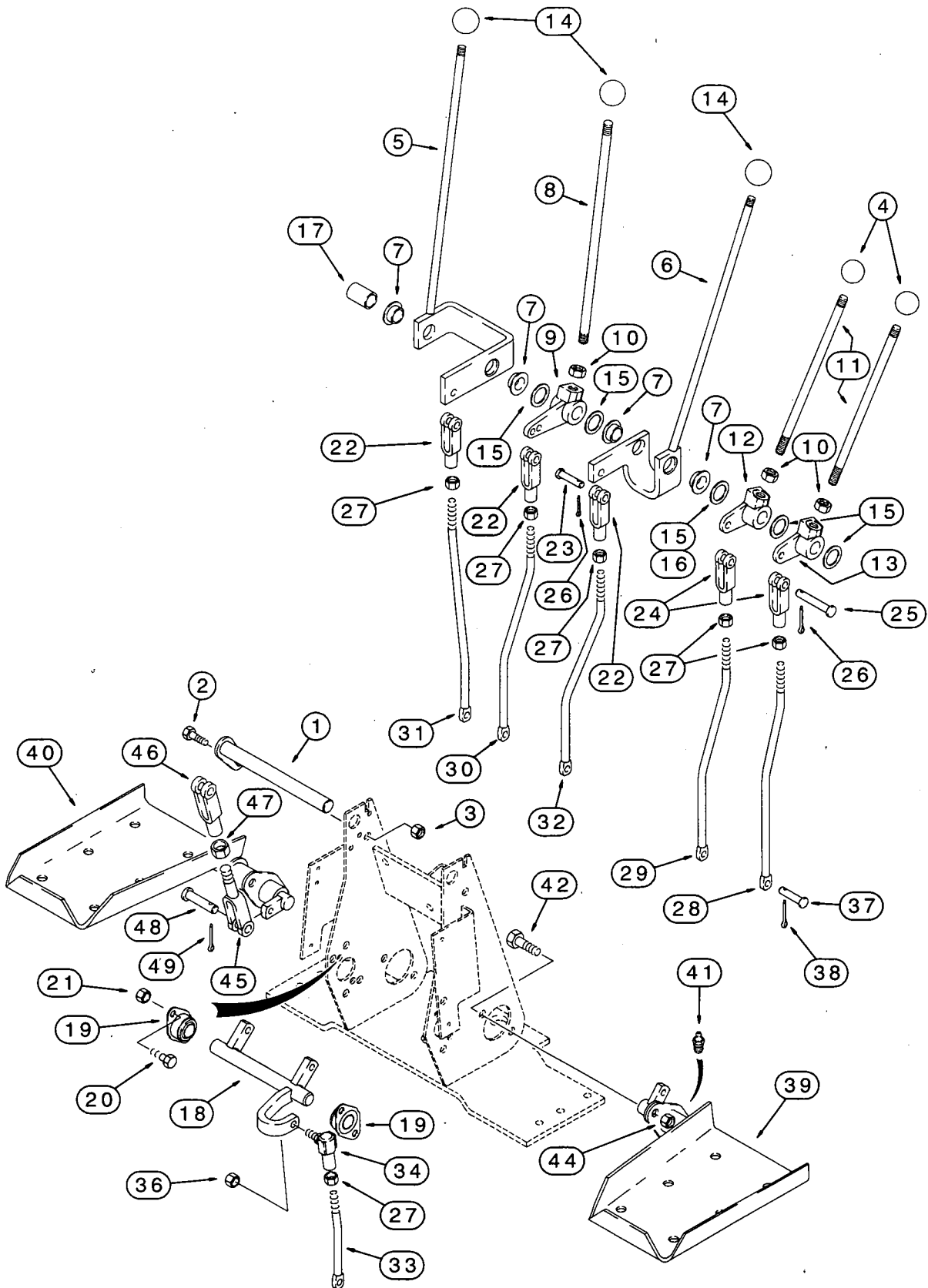
REF.	PART NO.	DESCRIPTION	REQ'D.
1	185975A1	SUPPORT - backhoe control mounting, with 3 mounting holes in base for item 11 seal support bracket	1
2	180376A1	BRACKET - mounting, left-hand, 6 spool valve.	1
2A	180402A1	BRACKET - mounting, left-hand, 7 spool valve, without auxiliary hydraulics.	1
2B	300580A1	BRACKET - mounting, left-hand, 7 or 8 spool valve, with auxiliary hydraulics.	1
3	121519A1	BRACKET - mounting, right-hand, valve mounting	1
4	614-10035	BOLT - hex, full threads, 10 - 1.5 x 35 mm	4
5	496-41041	WASHER - flat, 13/32 x 1-1/8 x 9/64 inch, hardened	4
6	179956A1	MOUNT - console	2
7	184696A1	BRACKET - seal support, front, if used, Ref 20 may replace Ref 7 and 16 on some models	2
8	814-10060	BOLT - hex, 10 - 1.5 x 60 mm	4
9	496-41041	WASHER - flat, 13/32 x 1-1/8 x 9/64 inch, hardened	4
10	182295A1	SEAL - foam, control tower	1
11	184695A1	BRACKET - seal support, front	1
12	614-8020	BOLT - hex, full threads, 8 - 1.25 x 20 mm	3
13	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	2
14	892-11008	WASHER - lock, 8 mm	3
15	232875A1	SEAL - noise reduction, backhoe valve rods	1
16	184694A1	BRACKET - seal support, rear, if used, Ref 20 may replace Ref 7 and 16 on some models	1
17	614-6016	BOLT - hex, full threads, 6 - 1.0 x 16 mm, if used	4
18	895-11006	WASHER - flat, 6.6 x 12 x 1.6 mm, if used	2
19	892-11006	WASHER - lock, 6 mm, if used	4
20	300840A1	BRACKET - foam support, replaces Ref 7 and 16 on some models	1



570LXT and 580L Series 2**9-29****BACKHOE CONTROLS WITH FOOT SWING
WITH NON-EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	129015A1	SHAFT - pivot, control levers	1
2	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm	1
3	832-10408	NUT - hex, self-locking, 8 mm - 1.25	1
4	D59912	KNOB - lever, stabilizer control levers	2
5	136267A1	LEVER - control, boom	1
6	136269A1	LEVER - control, bucket	1
7	D148992	BUSHING - control lever, used with 136267A1 and 136269A1 control levers	2
8	136263A1	LEVER - control, dipper	1
9	D150397	BELLCRANK - dipper control	1
10	425-118	NUT - hex, 1/2 inch NF	3
11	136261A1	LEVER - control, stabilizer	2
12	D150435	BELLCRANK - right-hand stabilizer control	1
13	D150434	BELLCRANK - left-hand stabilizer control	1
14	L54563	KNOB - control lever, boom, dipper and bucket control levers	3
15	A30881	WASHER - special, hardened, flat, used as a shim between control levers	UAR
16	D34666	WASHER - flat, special, 3/4 inch, 3/4 inch, hardened, may be used in place of item 15	1
17	D150486	SPACER - control lever, not used on models with extendable dipper	1
18	D148994	SHAFT - swing control	1
19	D148993	BEARING - self-aligning, shaft	2
20	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm	4
21	832-10408	NUT - hex, self-locking, 8 mm - 1.25	4
22	213-126	CLEVIS - adjustable, 3/8 inch NF	3
23	D149288	PIN - clevis, special	3
24	D150493	CLEVIS - 3/8 inch, stabilizer control rod, special	2
25	427-6088	PIN - clevis, 3/8 x 7/8 inch, hardened	2
26	432-612	PIN - cotter, 3/32 x 3/4 inch	5
27	425-156	NUT - hex, jam, 3/8 inch NF	6
28	189297A1	ROD - left-hand stabilizer control	1
29	189296A1	ROD - right-hand stabilizer control	1
30	189295A1	ROD - dipper control	1
31	189298A1	ROD - boom control	1
32	189294A1	ROD - bucket control	1
33	189299A1	ROD - swing control	1

Continued on next page

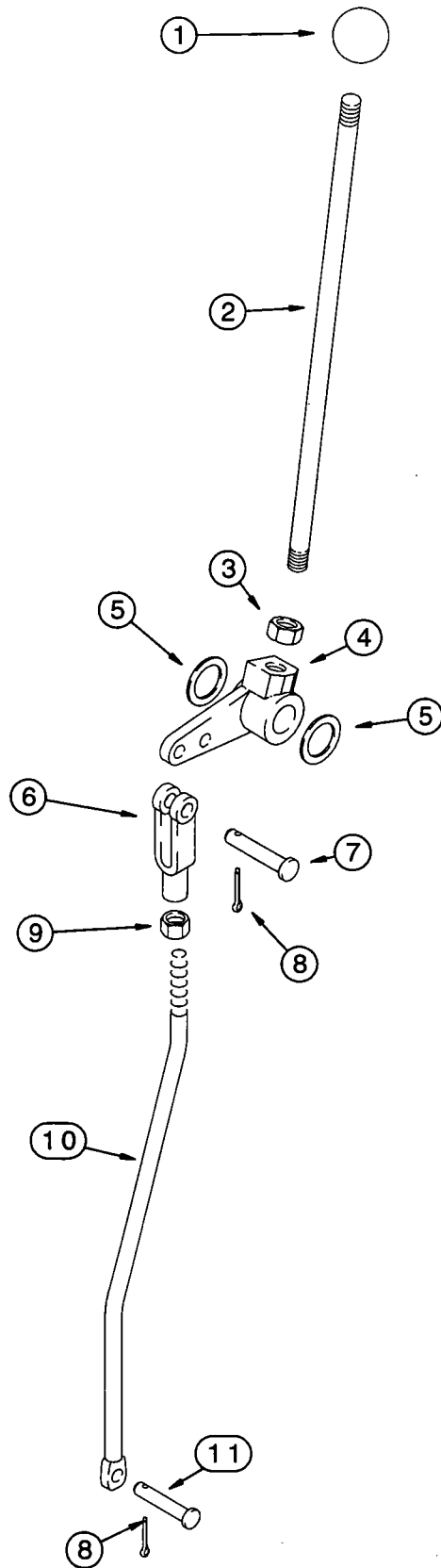


570LXT and 580L Series 2

9-31

**BACKHOE CONTROLS WITH FOOT SWING
WITH NON-EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
34	D149295	JOINT - ball, swing control rod to shaft	1
36	425-116	NUT - hex, 3/8 inch NF	1
37	D149287	PIN - clevis, special, 5/16 x 15/16 inch, hardened, rods to valve	6
38	432-612	PIN - cotter, 3/32 x 3/4 inch	6
39	136271A1	PEDAL - left-hand swing	1
40	136270A1	PEDAL - right-hand swing	1
41	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
42	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	4
44	832-10410	NUT - hex, self-locking, 10 mm - 1.5	4
45	D150503	ROD - with clevis, swing pedal to cross shaft	2
46	D149262	CLEVIS - special, swing pedal rod	2
47	425-156	NUT - hex, jam, 3/8 inch NF	2
48	D149288	PIN - clevis, special, swing pedal rod	4
49	432-612	PIN - cotter, 3/32 x 3/4 inch	4



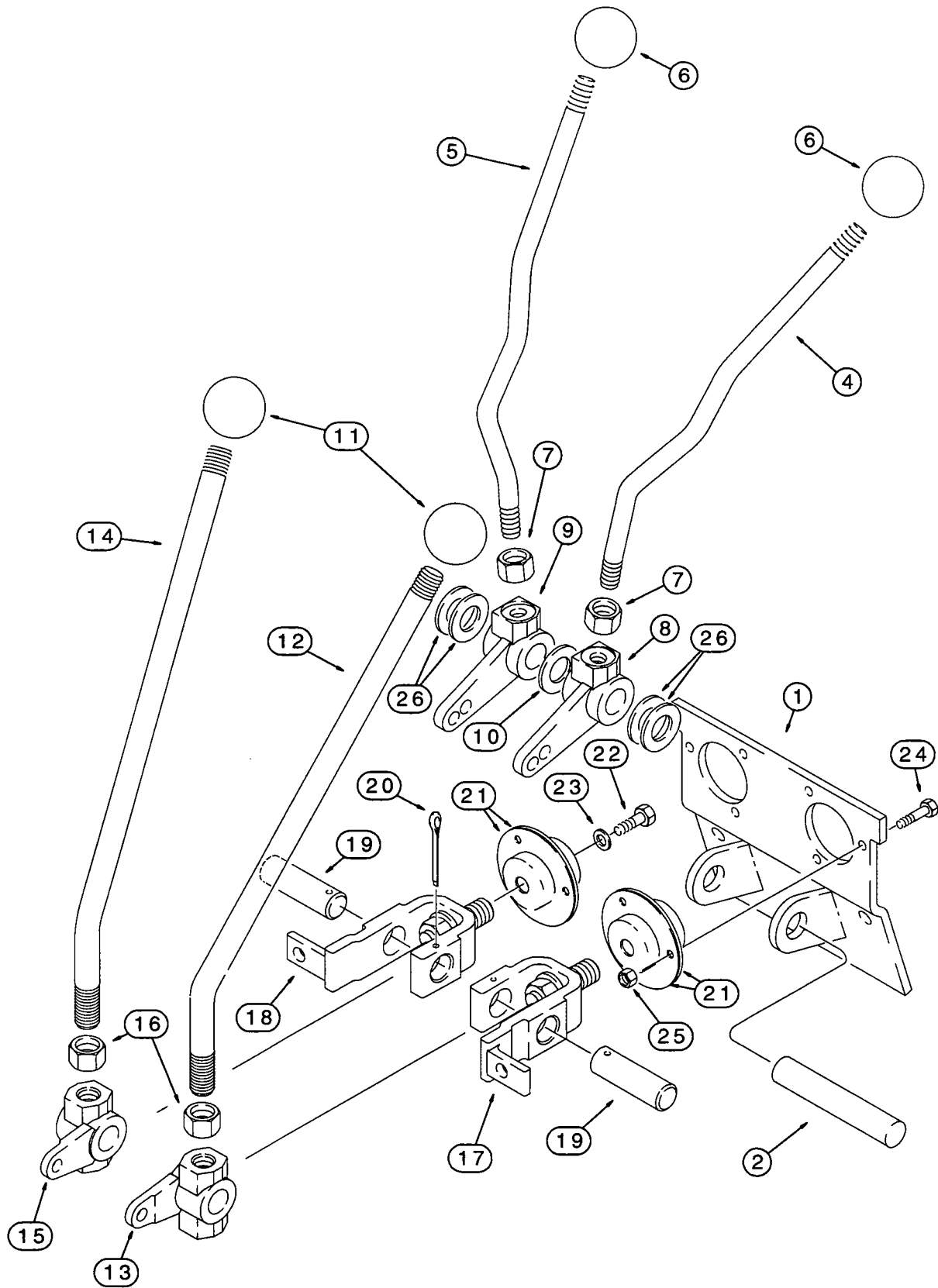
570LXT and 580L Series 2

9-33

**BACKHOE CONTROLS WITH FOOT SWING
PARTS USED WITH EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	L54563	KNOB - control lever, extendahoe	1
2	136263A1	LEVER - control, extendahoe	1
3	425-118	NUT - hex, 1/2 inch NF	1
4	182006A1	BELLCRANK - extendahoe control lever.	1
5	A30881	WASHER - special, hardened, flat, spacer	UAR
6	213-126	CLEVIS - adjustable, 3/8 inch NF	1
7	427-6088	PIN - clevis, 3/8 x 7/8 inch, hardened	1
8	432-612	PIN - cotter, 3/32 x 3/4 inch	2
9	425-156	NUT - hex, jam, 3/8 inch NF	1
10	189293A1	ROD - extendahoe control lever to valve.	1
11	D149287	PIN - clevis, special, 5/16 x 15/16 inch, hardened, rod to valve	1

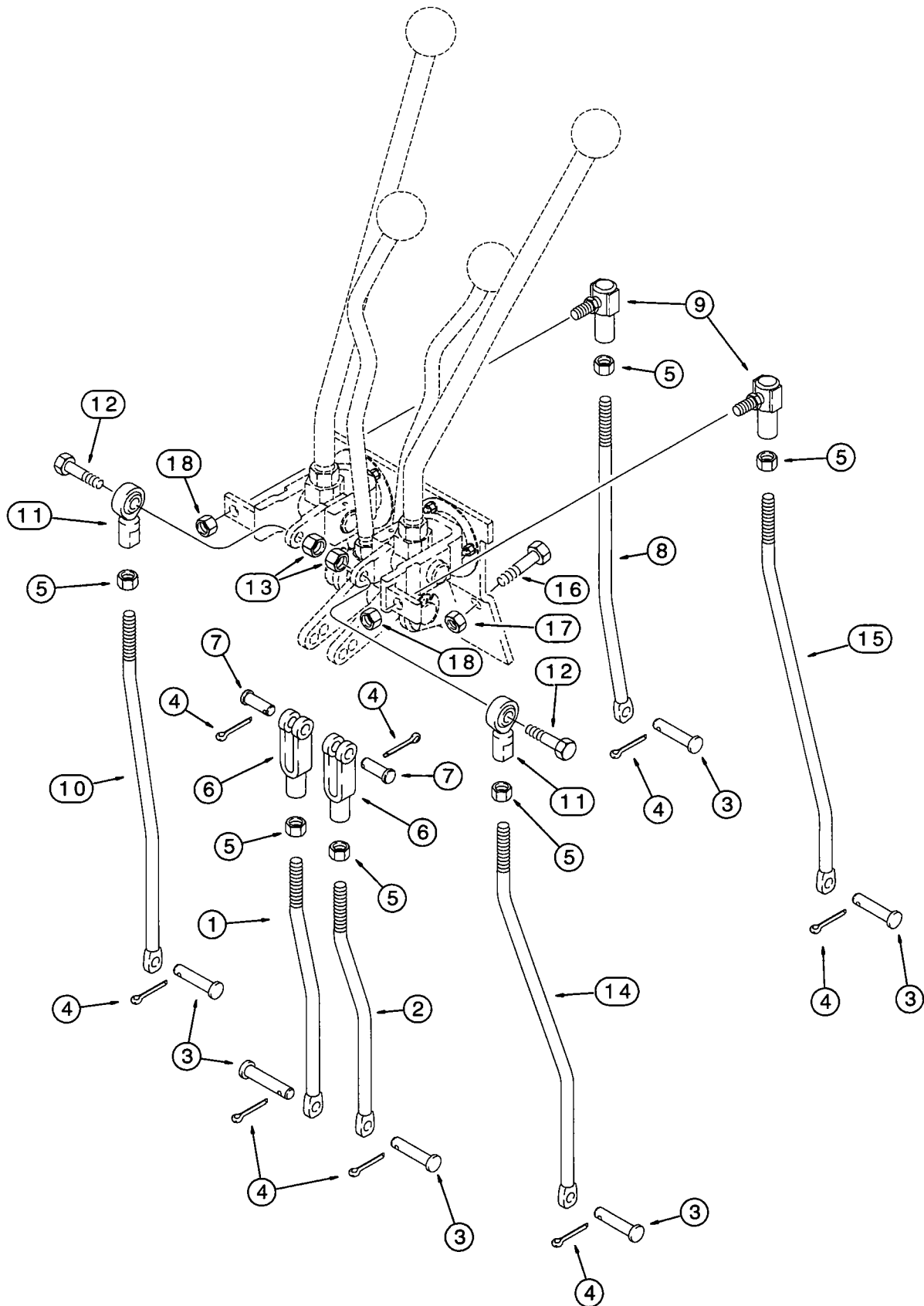
9-34



570LXT and 580L Series 2**9-35****BACKHOE CONTROLS WITH HAND SWING*****UPPER CONTROL LEVERS
WITH NON-EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	108864A1	PLATE - mounting, bearing and bellcrank	1
2	D148947	SHAFT - pivot, stabilizer lever	1
4	109131A1	LEVER - stabilizer, left-hand	1
5	109132A1	LEVER - stabilizer, right-hand	1
6	D59912	KNOB - lever, stabilizer levers	2
7	425-1118	NUT - hex, 1/2 inch NF	2
8	108924A1	BELLCRANK - left-hand stabilizer lever	1
9	108923A1	BELLCRANK - right-hand stabilizer lever	1
10	495-11081	WASHER - flat, 13/16 x 1-15/32 x 1/8 inch	1
11	D39118	KNOB - control lever	2
12	125113A1	LEVER - control, boom and swing	1
13	106989A1	BELLCRANK - left-hand boom and swing lever	1
14	125113A1	LEVER - control, bucket and dipper	1
15	106990A1	BELLCRANK - right-hand bucket and dipper lever	1
16	425-1110	NUT - hex, 5/8 inch NF	2
17	178006A1	BELLCRANK - boom and swing control lever	1
18	178004A1	BELLCRANK - bucket and dipper control lever	1
19	102765A1	PIN - bellcrank	2
20	432-828	PIN - cotter, 1/8 x 1-3/4 inch	2
21	112380A1	RETAINER - bearing	4
22	614-6016	BOLT - hex, full threads, 6 - 1.0 x 16 mm	2
23	396-41028	WASHER - flat, 9/32 x 7/8 x 3/32 inch, hardened	2
24	614-6020	BOLT - hex, full threads, 6 - 1.0 x 20 mm	6
25	829-1406	NUT - hex, 6 mm - 1.0, class 10	6
26	A30881	WASHER - special, hardened	UAR

***NOTE:** See page 9-37 for lower control levers.



570LXT and 580L Series 2

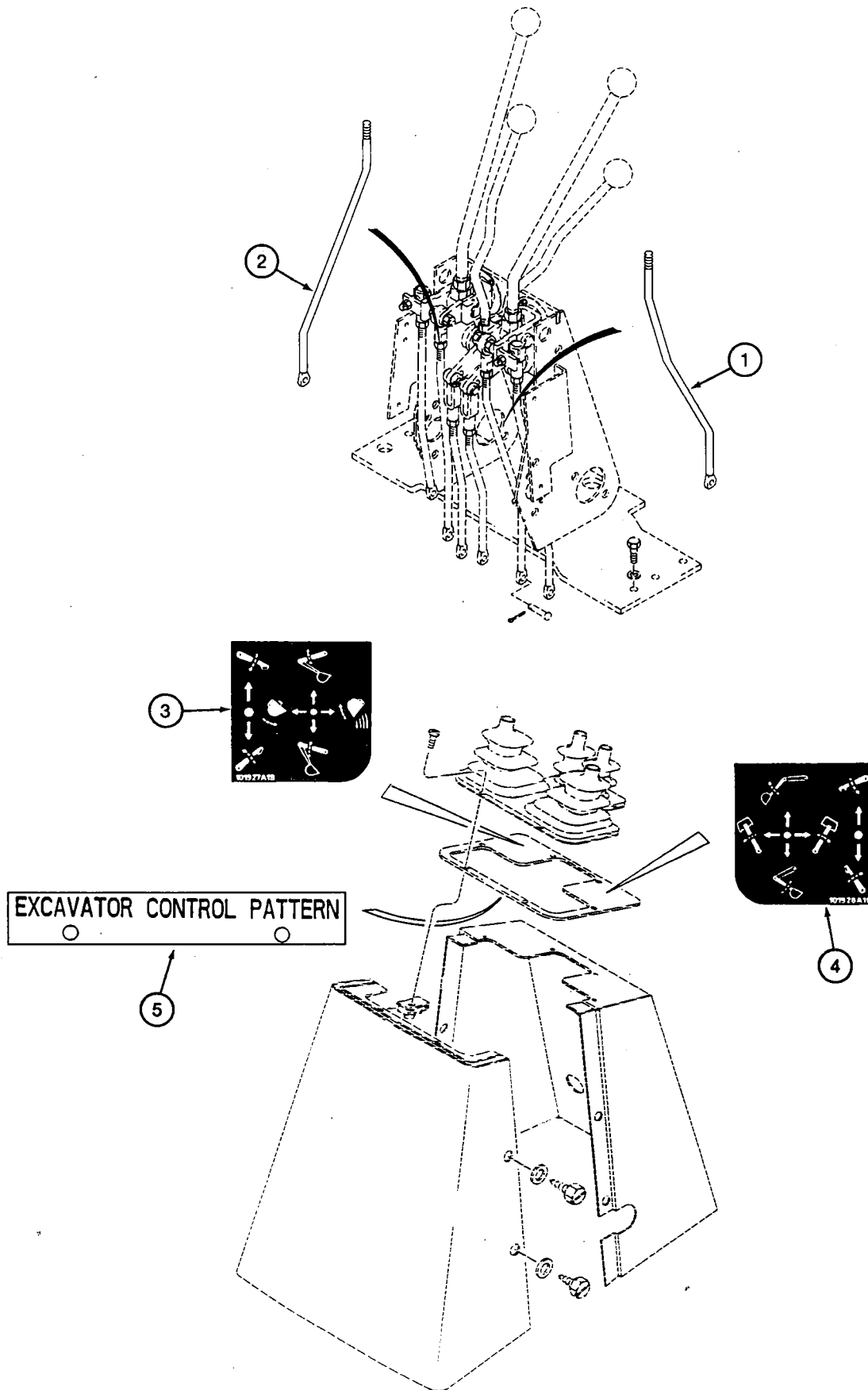
9-37

BACKHOE CONTROLS WITH HAND SWING

***LOWER CONTROL LEVERS
WITH NON-EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	185981A1	ROD - stabilizer, right-hand stabilizer	1
2	185982A1	ROD - stabilizer, left-hand stabilizer	1
3	D149287	PIN - clevis, special, 5/16 x 15/16 inch, hardened, rods to valve	6
4	432-612	PIN - cotter, 3/32 x 3/4 inch	8
5	425-116	NUT - hex, 3/8 inch NF	6
6	213-126	CLEVIS - adjustable, 3/8 inch NF	2
7	D149288	PIN - clevis, special	2
8	185977A1	ROD - bucket control	1
9	D149295	JOINT - ball, control rod.	2
10	185978A1	ROD - dipper control	1
11	D136773	JOINT - ball, 3/8 inch NF, control rods	2
12	413-624	BOLT - hex, 3/8 NC x 1-1/2 inch	2
13	425-106	NUT - hex, 3/8 inch NC	2
14	185979A1	ROD - boom control.	1
15	185980A1	ROD - swing control.	1
16	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	2
17	832-10410	NUT - hex, self-locking, 10 mm - 1.5	2
18	231-2446	NUT - hex, self-locking, 3/8 inch NF	2

***NOTE:** See page 9-35 for upper control levers.



570LXT and 580L Series 2

9-39

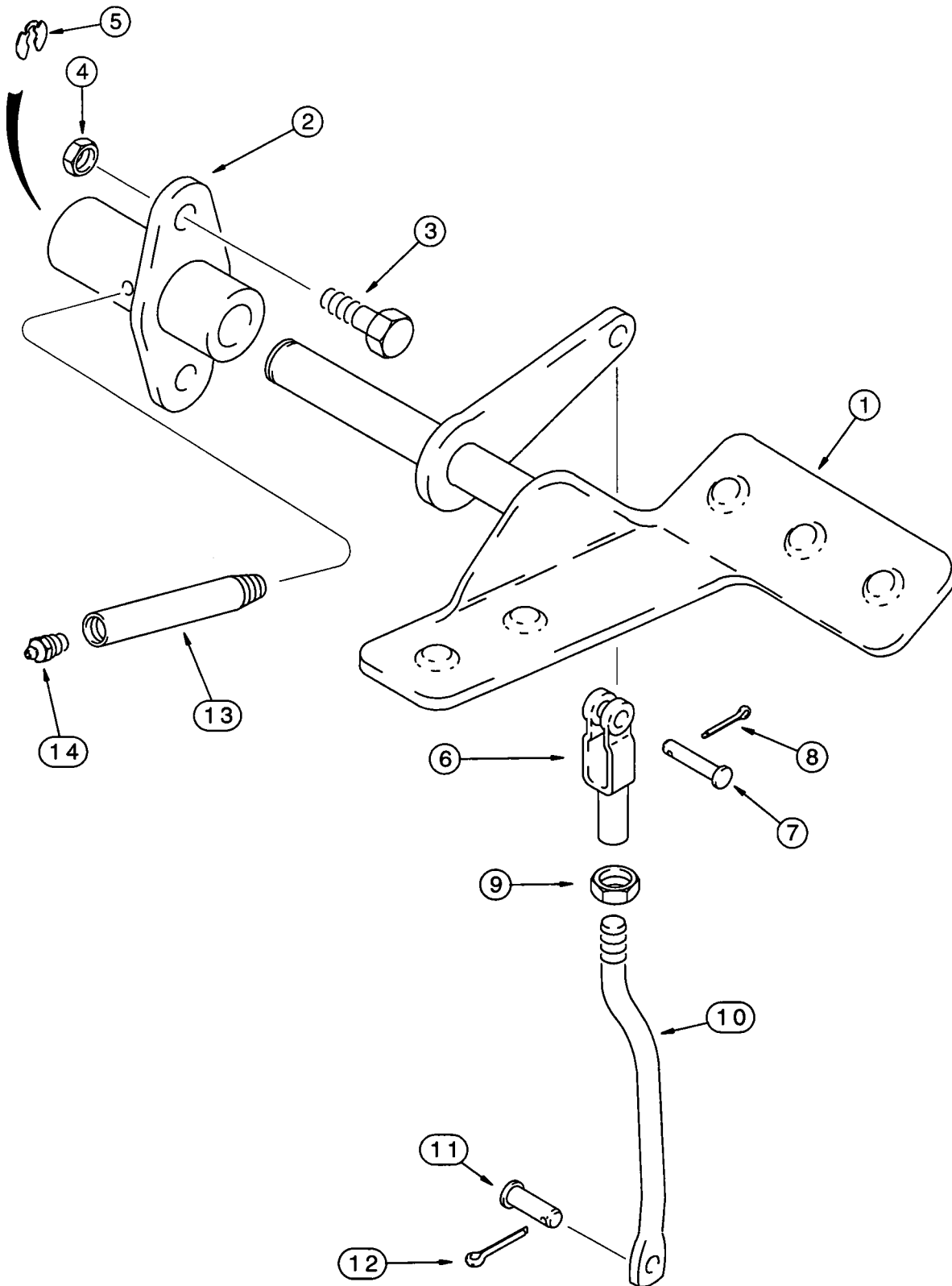
**BACKHOE CONTROLS
IN EXCAVATOR CONTROL PATTERN**

REF.	PART NO.	DESCRIPTION	REQ'D.
	245592A1	KIT - excavator control pattern, purchase from Parts and Components	1
1	* 195030A2	ROD - dipper, replaces existing boom control rod	1
2	* 195032A1	ROD - boom, replaces existing dipper control rod	1
3	E49498	DECAL - control, right-hand	1
4	E49497	DECAL - control, left-hand	1
5	198410A1	PLATE - excavator control pattern	1

*** NOTE:** The right-hand control lever, which used to control the dipper, now controls the boom and the left-hand control lever, which used to control the boom, now controls the dipper.

NOTE: The machine must be equipped with hand swing controls. If your machine is equipped with (Case) foot swing controls, the foot swing to hand swing controls field kit must be ordered and installed before installing this kit.

9-40



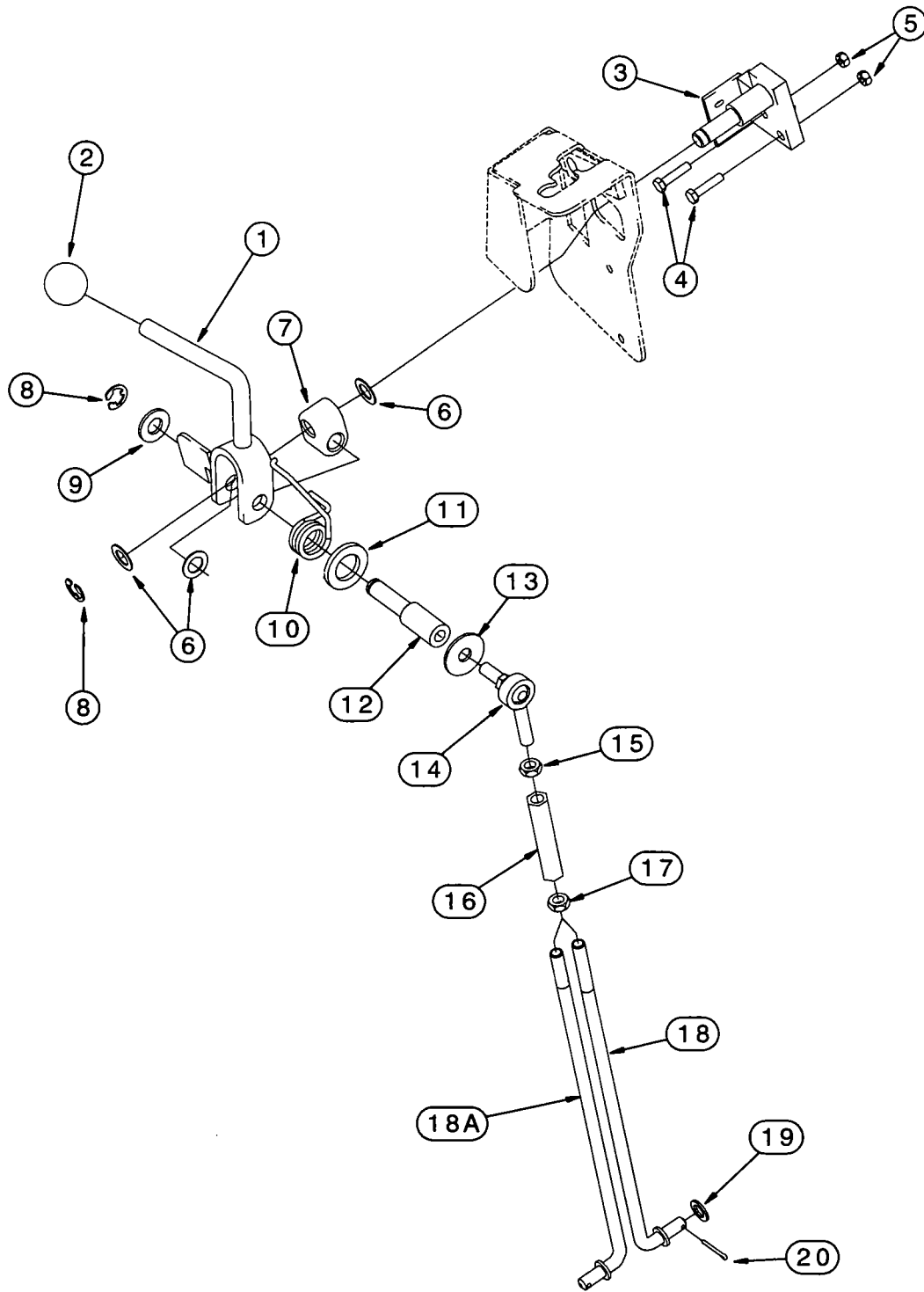
570LXT and 580L Series 2

9-41

**BACKHOE CONTROLS WITH HAND SWING
PARTS USED WITH EXTENDABLE DIPPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	179029A1	PEDAL - extendahoe control, right-hand	1
2	126918A1	SUPPORT - pedal, with hole for tube and grease fitting	1
3	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	2
4	832-10410	NUT - hex, self-locking, 10 mm - 1.5	2
5	D143416	RING - retaining, clip ring, special	1
6	D134900	CLEVIS - special, 3/8 inch	1
7	427-6088	PIN - clevis, 3/8 x 7/8 inch, hardened	1
8	432-612	PIN - cotter, 3/32 x 3/4 inch	1
9	425-156	NUT - hex, jam, 3/8 inch NF	1
10	185976A1	ROD - extendahoe control	1
11	D149287	PIN - clevis, special, 5/16 x 15/16 inch, hardened, rod to valve	1
12	432-612	PIN - cotter, 3/32 x 3/4 inch	1
13	D150032	TUBE - pedal lube	1
14	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1

9-42

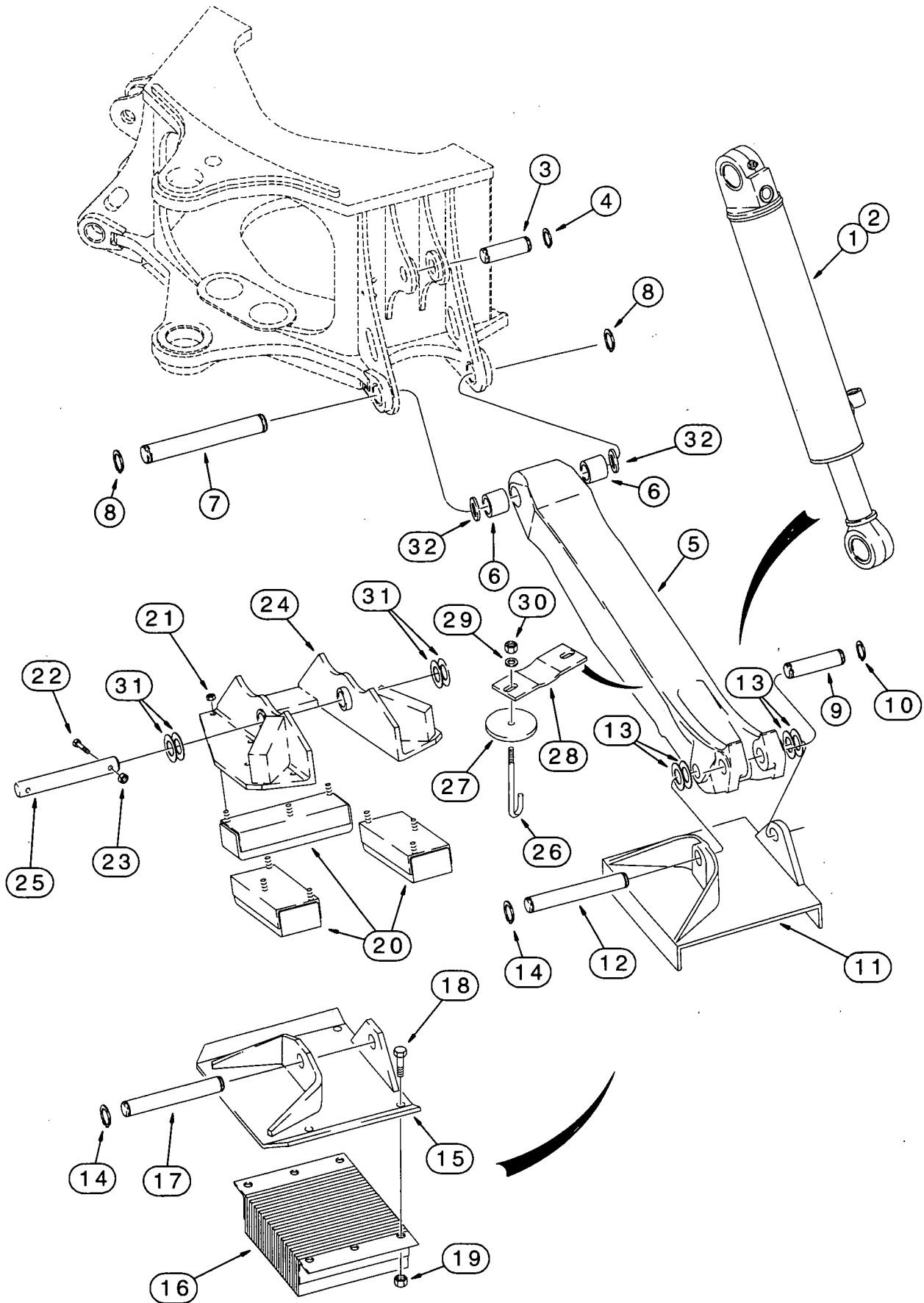


570LXT and 580L Series 2**9-43****BACKHOE AUXILIARY HYDRAULIC CONTROL LEVER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	275820A3	LEVER - auxiliary control, detent lever, backhoe, uni-directional flow, activates flow to the attachment through the use of the foot switch, see page 4-51 for foot switch	1
2	D59912	KNOB - lever	1
3	275677A1	SHAFT - pivot, 7 or 8 spool	1
4	614-6025	BOLT - hex, full threads, 6 - 1.0 x 25 mm	2
5	829-1406	NUT - hex, 6 mm - 1.0, class 10	2
6	195-81013	WASHER - flat, 33/64 x 7/8 1/32 inch, used as a shim	3
7	D136635	BLOCK - shifter pivot	1
8	103-3350	RING - E-type, external retaining, No. 50	2
9	495-11053	WASHER - flat, 17/32 x 1-1/16 x 3/32 inch	1
10	283226A1	SPRING - return	1
11	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	1
12	276070A1	SHAFT - spring pivot	1
13	495-81002	WASHER - flat, 7/16 x 1-3/8 x 5/64 inch	1
14	R47941	JOINT - ball, male, 3/8 inch NF	1
15	425-156	NUT - hex, jam, 3/8 inch NF	1
16	259410A1	TURNBUCKLE - hex	1
17	129-289	NUT - hex, jam, 3/8 inch NF, left-hand thread	1
18	257810A1	ROD - control, 7 spool valve	1
18A	283332A1	ROD - control, 8 spool valve	1
19	895-18010	WASHER - flat, 11 x 18 x 1.6 mm	1
20	432-612	PIN - cotter, 3/32 x 3/4 inch	1

NOTE: See pages 8-47 - 8-51 for backhoe auxiliary hydraulics, page 4-51 for backhoe auxiliary electrical circuit and page 9-25 for the backhoe control tower cover used with auxiliary hydraulics.

9-44



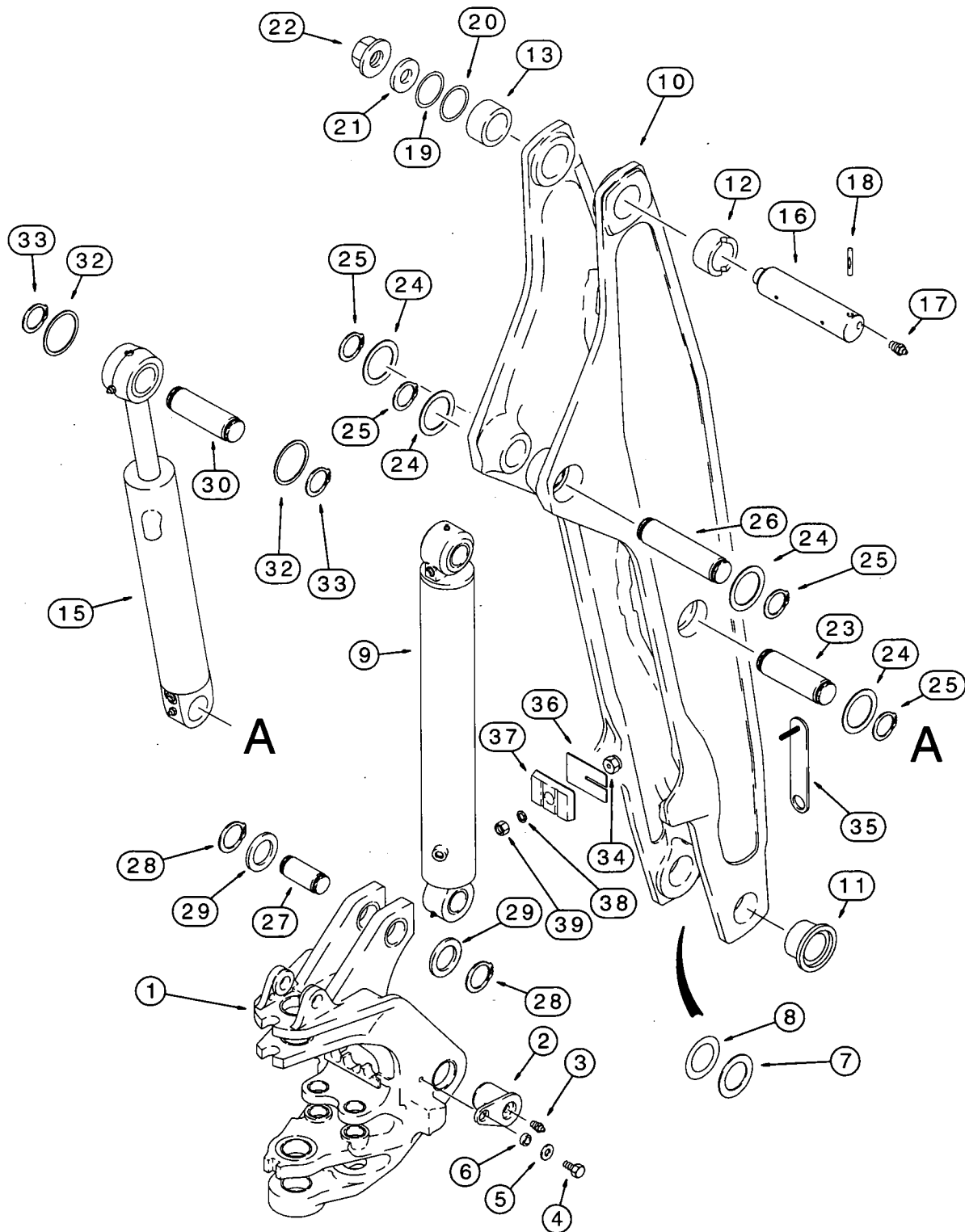
570LXT and 580L Series 2**9-45****BACKHOE STABILIZERS, PLATES AND PADS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	195503A1	CYLINDER ASSEMBLY - 102 (4) ID x 553 mm (21-3/4 inch) stroke, stabilizer, right-hand, parts list page 8-145	1
2	195504A1	CYLINDER ASSEMBLY - 102 (4) ID x 553 mm (21-3/4 inch) stroke, stabilizer, left-hand, parts list page 8-145	1
3	D38907	PIN - stabilizer cylinder to frame	2
4	103-16175	RING - heavy external retaining, No. 175, pin retaining	4
5	D133428	LEG - stabilizer	2
6	D50146	BUSHING - leg to frame	2
7	121665A1	PIN - stabilizer leg to frame	2
8	103-16175	RING - heavy external retaining, No. 175, pin retaining	4
9	D26002	PIN - stabilizer cylinder to leg	2
10	D25279	RING - snap, pin retaining	4
11	D88427	PLATE - stabilizer, cleated, if used	2
12	D28648	PIN - D88427 stabilizer plate to leg	2
13	D143406	WASHER - flat, special, 1-17/32 x 2-23/64 x 1/8 inch, used as a spacer	UAR
14	D25279	RING - snap, pin retaining	4
15	D142519	PLATE - stabilizer, street or cemetery, if used	2
16	D61368	PAD - rubber, if used	2
17	D39256	PIN - 9-3/8 inch (238 mm) long, D142519 plate to leg	2
18	413-1228	BOLT - hex, 3/4 NC x 1-3/4 inch	8
19	425-1012	NUT - hex, 3/4 inch NC	8
	186405A1	PLATE ASSEMBLY - stabilizer flip over, if used	2
20	D142314	PAD - rubber	3
21	231-4247	NUT - hex, self-locking, 7/16 inch NC	9
22	413-632	BOLT - hex, 3/8 NC x 2 inch	2
23	230-4216	NUT - hex, self-locking, 3/8 inch NC	2
24	189955A1	PLATE - stabilizer, flip over	1
25	D149033	PIN - 323.5 mm (12-3/4 inch) long, plate to stabilizer leg	1
26	190035A1	BOLT - J-type	2
27	190967A1	PAD - rubber, round	2
28	190036A1	PLATE - steel	1
29	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	2
30	230-4216	NUT - hex, self-locking, 3/8 inch NC	2
31	D143406	WASHER - flat, special, 1-17/32 x 2-23/64 x 1/8 inch, used as a spacer	UAR
32	495-81282	WASHER - flat, 2-1/16 x 3 x 3/32 inch	UAR



570LXT and 580L Series 2
9-47
BACKHOE SWING CYLINDERS AND SWING TOWER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	129882A1	TOWER ASSEMBLY - backhoe swing	1
2	D149079	BUSHING - 50 x 34 mm long, boom cylinder pivot	2
3	121778A1	BUSHING - inner, boom pivot	2
4	D135741	BUSHING - outer, boom pivot	2
5	D135557	BUSHING - upper, swing tower pivot	1
6	D135559	BUSHING - upper, tower pivot	1
7	D151073	BUSHING - tower pivot	1
8	D151074	BUSHING - 70 x 86 x 28 mm long, lower	1
9	135249A1	BUSHING - upper, swing cylinder pivot, 28.6 mm long	2
10	135248A1	BUSHING - lower, swing cylinder pivot, 38.1 mm long	2
11	188027A2	CYLINDER ASSEMBLY - 95 (3-3/4) ID x 292 mm (11-1/2 inch) stroke, swing, parts list page 8-147	2
12	198976A1	BRACKET - swing cylinder to frame	1
12A	114318A1	BUSHING - 80 mm ID, cylinder pivot	2
13	827-20075	BOLT - hex, 20 - 2.5 x 75 mm, class 10.9	6
14	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	12
15	829-1420	NUT - hex, 20 mm - 2.5, class 10	6
16	135247A1	PIN - swing cylinder rod end to swing tower	2
17	495-81227	WASHER - flat, 2-1/16 x 2-15/16 x 1/16 inch	4
18	103-16200	RING - heavy external retaining, No. 200, pin retaining	4
19	243084A1	WASHER - bearing, special, 5 mm thick, swing tower, top of lower chassis plate	1
20	134167A1	SHIM - 2.05 mm (.08 inch) thick, bottom of lower chassis plate	UAR
21	D151065	PIN - lower, swing tower to frame, grease fitting mounts in top of pin.	1
24	D136392	SHIM - 72 x 89 x 3.0 mm, upper	UAR
25	D136700	SHIM - 67 x 83 x 2.0 mm	2
26	D136391	SHIM - 72 x 89 x 1.6 mm	UAR
27	800-40065	RING - external retaining, No. 65, pin retaining, lower	2
28	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
29	292385A1	PIN - swing tower to frame, upper	1
30	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch	1
31	800-40070	RING - external retaining, No. 70, pin retaining	2
32	D149239	PIN - swing stop, without snap ring	1
33	197718A1	SHIM - swing cylinder spacer, use as required between bracket and ear of main frame, shims may be required on one end or both ends of bracket, if used	UAR
34	293636A1	WASHER - flat, upper	1
35	D144423	WASHER - 2-5/8 x 3-3/8 x 1/8 inch, used as a shim	UAR



570LXT and 580L Series 2**9-49****BACKHOE SWING TOWER AND BOOM**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	SWING TOWER - backhoe, with inner ears, see page 9-47 for swing tower and bushings	1
2	121779A1	PIN - swing tower to boom.	2
3	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
4	604-20040	BOLT - hex, self-locking, 20 - 2.5 x 40 mm, on models with backhoe auxiliary hydraulics use 604-20045	2
5	496-41081	WASHER - flat, 13/16 x 1-3/4 x 7/32 inch, hardened	2
6	122897A1	SPACER - 21 x 32 x 12 mm	2
7	H71514	WASHER - special, boom to swing tower	UAR
8	R32119	SHIM - 71 (2-13/16) ID x 114 mm (4-1/2 inch)	UAR
9	189653A1	CYLINDER ASSEMBLY - 114 (4-1/2) ID x 981 mm (38-5/8 inch) stroke, boom, parts list page 8-149	1
10	129883A1	BOOM - backhoe	1
11	D151071	BUSHING - 70 (2-3/4) ID x 34 mm (1-5/16 inc) long	2
12	D135739	BUSHING - 70 (2-3/4) ID x 44 mm (1-3/4 inch) long, with slot for groove pin, right-hand side of boom at boom to dipper pivot	1
13	D137218	BUSHING - 70 (2-3/4) ID x 44 mm (1-3/4 inch) long, without slot for groove pin, left-hand side of boom at boom to dipper pivot	1
15	REF	CYLINDER ASSEMBLY - 108 (4-1/4) ID x 686 mm (27 inch) stroke, dipper, parts list page 8-151	1
16	D132494	PIN - boom to dipper	1
17	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
18	300013A1	PIN - center groove, 1/2 x 3-1/4 inch, hardened	1
19	D136391	SHIM - 72 x 89 x 1.6 mm, boom to dipper	UAR
20	D136392	SHIM - 72 x 89 x 3.0 mm, boom to dipper	UAR
21	D133632	WASHER - flat, hardened, special.	1
22	181042A1	NUT - hex flange, special, 1-3/4 inch NF	1
23	129040A1	PIN - dipper cylinder closed end to boom	1
24	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	4
25	103-16175	RING - heavy external retaining, No. 175, pin retaining	4
26	129040A1	PIN - boom cylinder closed end to boom	1
27	142842A1	PIN - boom cylinder rod end to swing tower	1

Continued on next page



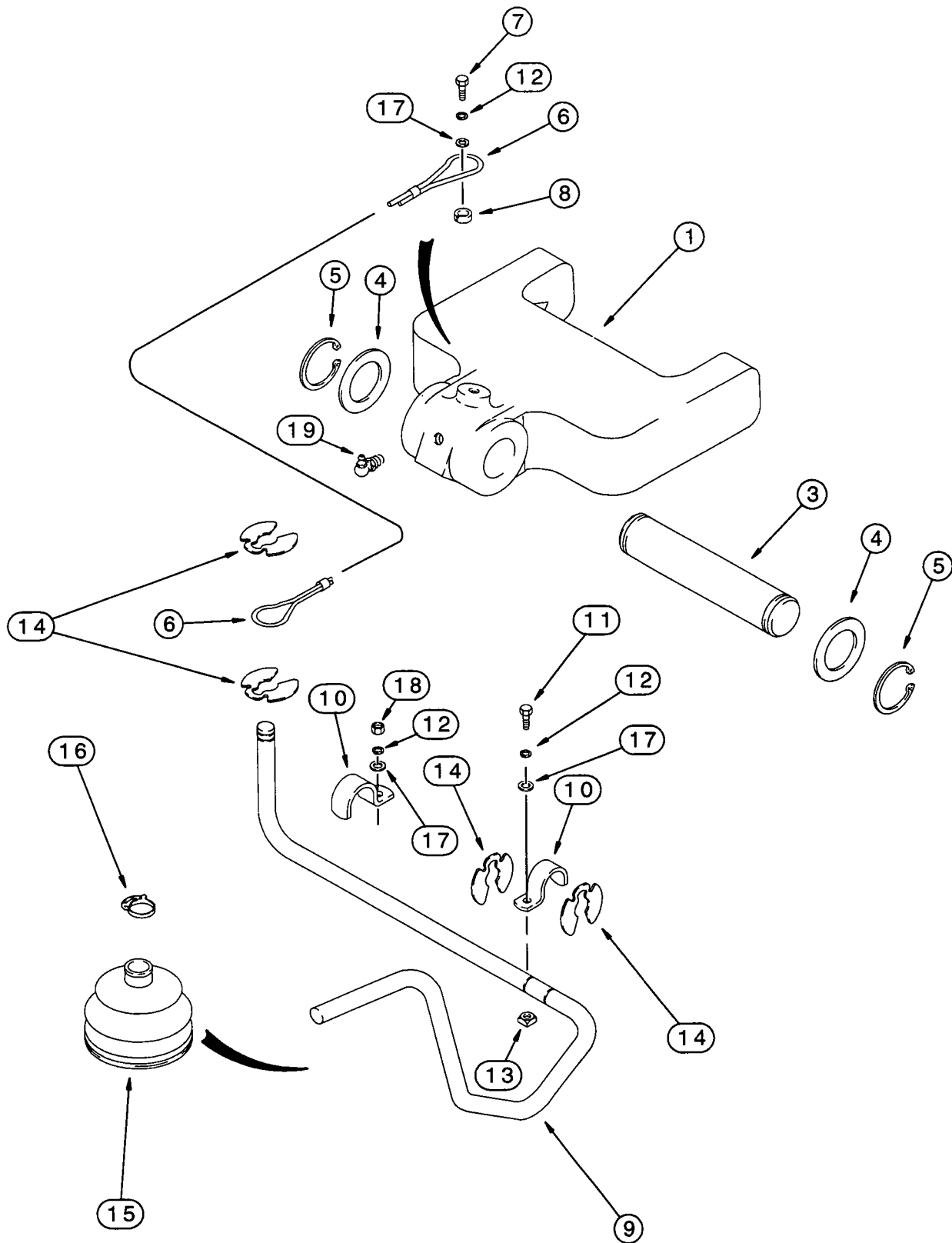
570LXT and 580L Series 2

9-51

BACKHOE SWING TOWER AND BOOM

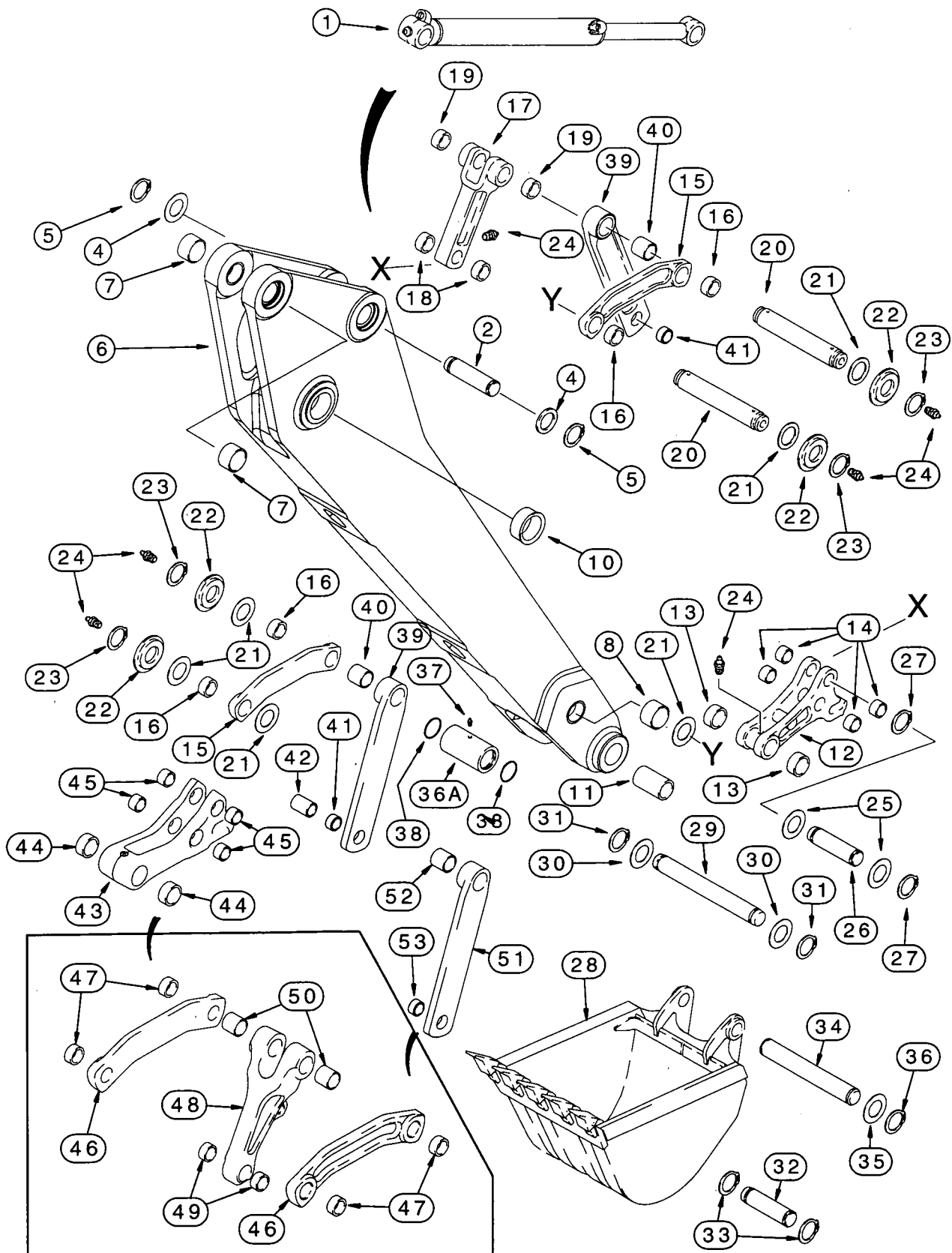
REF.	PART NO.	DESCRIPTION	REQ'D.
28	800-44050	RING - external retaining, No. 50, pin retaining.	2
29	495-81227	WASHER - flat, 2-1/16 x 2-15/16 x 1/16 inch	UAR
30	129041A1	PIN - dipper cylinder rod end to dipper	1
32	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	UAR
33	103-16175	RING - heavy external retaining, No. 175, pin retaining	2
34	184884A1	PLUG - boom bumper	1
35	184723A1	BRACKET - hose sleeve support	1
36	138624A1	SHIM - boom bumper, 1.5 mm thick	UAR
37	183938A1	BUMPER - boom	1
38	892-11010	WASHER - lock, 10 mm	1
39	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	1

9-52



570LXT and 580L Series 2**9-53****BOOM LATCH**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	141057A1	LATCH - backhoe boom	1
3	D129227	PIN - boom latch to swing tower	1
4	D144592	WASHER - flat, special	2
5	800-44040	RING - external retaining, No. 40, pin retaining.	2
6	D129641	CABLE - latch control	1
7	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
8	D143417	SPACER - 10 ID x 16 OD x 6 mm long	1
9	185632A2	ROD - boom latch control	1
10	D143723	CLAMP - rod	2
11	614-10020	BOLT - hex, full threads, 10 - 1.5 x 20 mm	1
12	892-11010	WASHER - lock, 10 mm	3
13	122958A1	NUT - square, special, 10 mm - 1.5.	1
14	D143591	RETAINER - clip ring.	4
15	D86664	BOOT - rod	1
16	D143735	CLAMP - boot	1
17	895-11010	WASHER - flat, 11 x 20 x 2 mm	3
18	829-1410	NUT - hex, 10 mm - 1.5, class 10.9.	1
19	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch	1



570LXT and 580L Series 2
9-55
BACKHOE DIPPER AND BUCKET

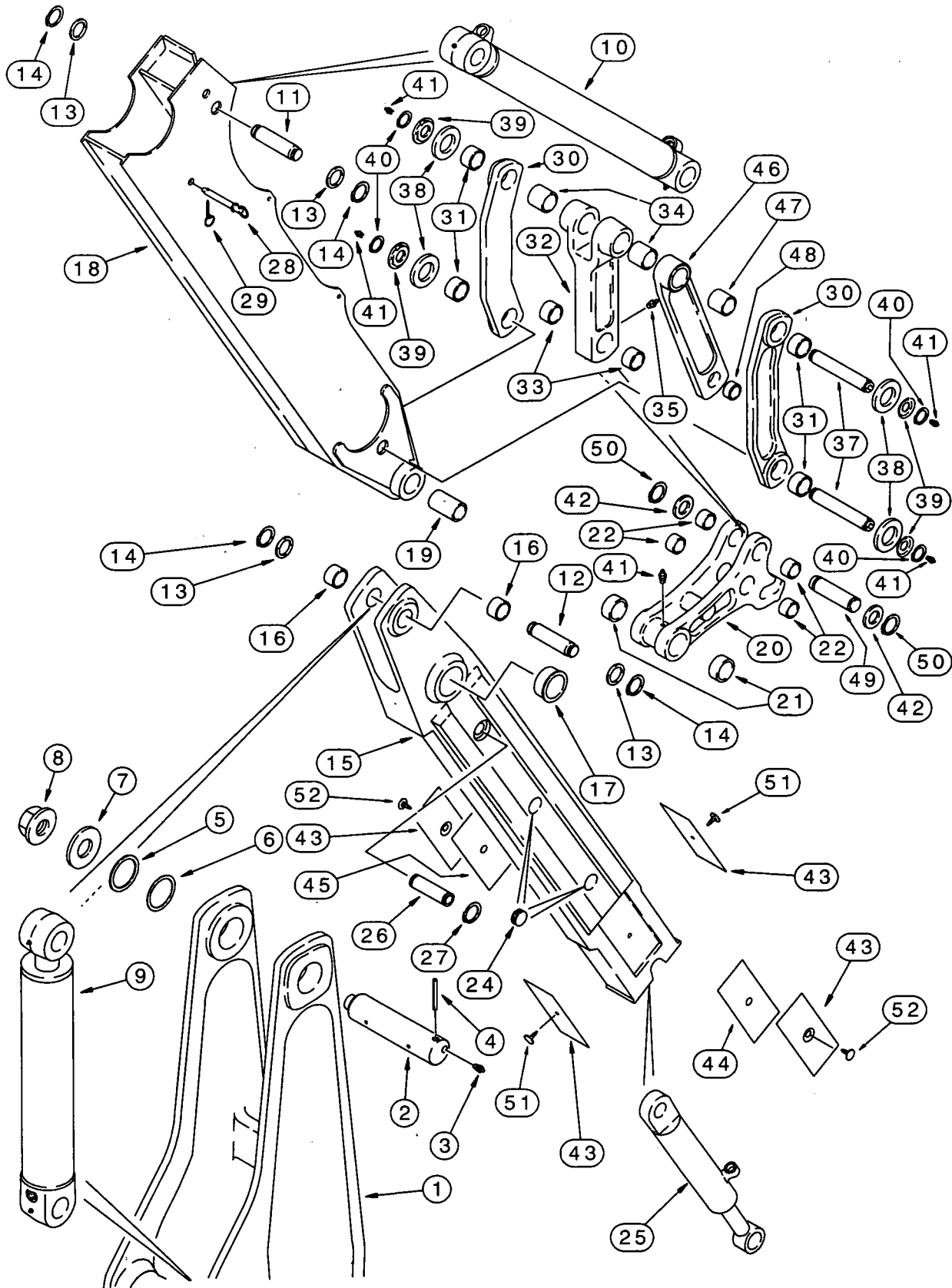
REF.	PART NO.	DESCRIPTION	REQ'D.
1	128760A1	CYLINDER ASSEMBLY - 83 (3-1/4) ID x 872 mm (34-5/16 inch) stroke, bucket, parts list page 8-153	1
2	129041A1	PIN - bucket cylinder closed end to dipper	1
4	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	UAR
5	103-16175	RING - heavy external retaining, No. 175, pin retaining	2
	129884A2	DIPPER ASSEMBLY - backhoe	1
6	NSS	DIPPER - backhoe	1
7	D145978	BUSHING - 50 ID x 30 mm long, dipper.	2
8	D140029	BUSHING - 50 x 60 x 25.5 mm long	2
10	D150121	BUSHING - 70 ID x 36 mm long.	2
11	307186A1	BUSHING - 104 mm long, bucket coupler pivot, not included with dipper assembly, order separately	2
	134437A1	COUPLER ASSEMBLY - bucket, used with Ref 15 and 17 links, if used, see Ref 43 - 50 for optional coupler and links	1
12	NSS	COUPLER - backhoe bucket	1
13	D127167	BUSHING - 30 mm long, special, at dipper	2
14	D127172	BUSHING - 28 mm long, at bucket link	4
15	D150608	LINK - bucket guide, used with 134437A1 coupler, if used, see Ref 43-50 for optional coupler and links.	2
16	D150122	BUSHING - 50 x 60 x 33 mm	2
17	D150080	LINK - bucket dump, with two bushings at forked end, used with 134437A1 coupler, if used, see Ref 43 - 50 for optional coupler and links	1
18	D127172	BUSHING - 28 mm long.	2
19	D138047	BUSHING - 54 mm (2-1/8 inch) long	2
20	D141142	PIN - 306 mm long.	2
21	495-81282	WASHER - flat, 2-1/16 x 3 x 3/32 inch.	UAR
22	D141164	SPACER - 1-13/16 x 3 x 1/8 inch	4
23	103-16175	RING - heavy external retaining, No. 175, pin retaining	4
24	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	6
25	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	2
26	D146288	PIN - dump link to bucket coupler	1
27	103-16175	RING - heavy external retaining, No. 175	2
28	REF	BUCKET - backhoe, see pages 9-63 - 9-75 for bucket options.	1

Continued on next page



570LXT and 580L Series 2**9-57****BACKHOE DIPPER AND BUCKET**

REF.	PART NO.	DESCRIPTION	REQ'D.
29	D37614	PIN - bucket to coupler	1
30	D143324	WASHER - spacer, 38 x 64 x 2 mm	2
31	D25279	RING - snap, pin retaining	2
32	D149298	PIN - dipper to bucket, 305 mm (12 inch) Universal bucket only.	1
33	103-16175	RING - heavy external retaining, No. 175, pin retaining	2
34	D150619	PIN - dipper to bucket, all buckets except 12 inch (305 mm) buckets, for models with 12 inch bucket see item 32 pin	1
35	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	UAR
36	103-16175	RING - heavy external retaining, No. 175, dipper to bucket pin	2
36A	D141076	SPACER - 138 mm (5-7/16 inch) long, dipper.	1
37	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
38	238-5228	O-RING - 2-1/4 ID x 1/8 inch wide	2
39	130823A1	LINK - bucket dump, standard links, used with 134437A1 coupler, if used.	2
40	D138047	BUSHING - 54 mm (2-1/8 inch) long, cylinder pivot at bossed hole	1
41	D31140	BUSHING - 25 mm (1 inch) long, pivot	1
42	D141075	SPACER - 71 mm (2-25/32 inch) long, bucket	1
	281185A1	COUPLER ASSEMBLY - bucket, may replace 134437A1 (Ref 12) coupler on some models, used with Ref 40 and 42 links, if used	1
43	NSS	COUPLER - bucket, if used	1
44	D127167	BUSHING - 30 mm long, special, at dipper	2
45	D127172	BUSHING - 28 mm long, at bucket link	4
46	242562A1	LINK - bucket guide, used with 281185A1 coupler, if used	2
47	D150122	BUSHING - 50 x 60 x 33 mm	2
48	242561A1	LINK - bucket dump, used with 281185A1 coupler, if used.	1
49	D127172	BUSHING - 28 mm long.	2
50	D138047	BUSHING - 54 mm (2-1/8 inch) long	2
51	244790A1	LINK - bucket dump, used with 281185A1 coupler, if used.	2
52	D138047	BUSHING - 54 mm (2-1/8 inch) long	1
53	D31140	BUSHING - 25 mm (1 inch) long	1

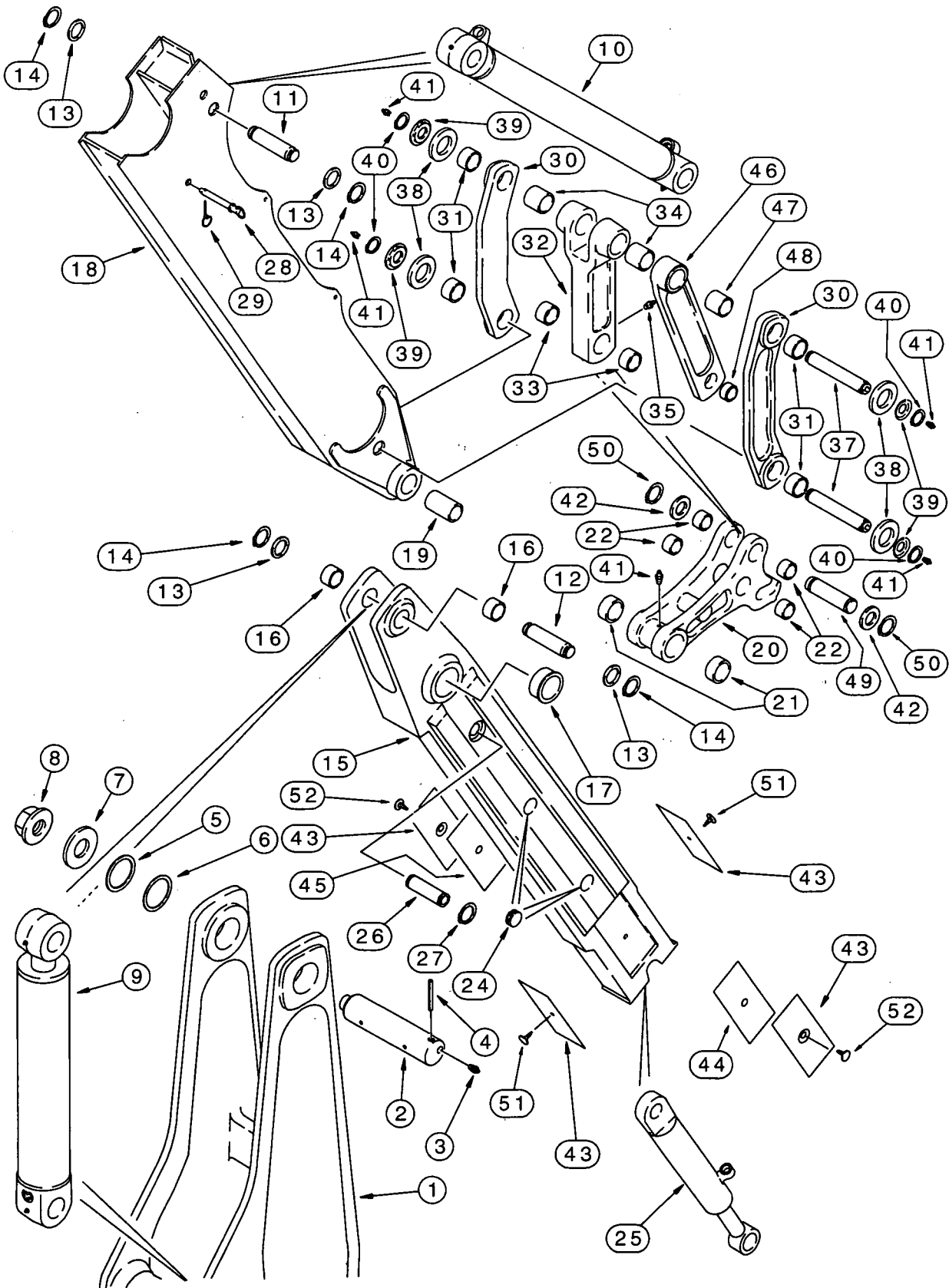


570LXT and 580L Series 2
9-59
EXTENDABLE DIPPER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	BOOM - backhoe, see page 9-49 for boom and bushings	1
2	D132494	PIN - boom to dipper	1
3	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	2
4	300013A1	PIN - center groove, 1/2 x 3-1/4 inch, hardened	1
5	D136391	SHIM - 72 x 89 x 1.6 mm, boom to dipper	UAR
6	D136392	SHIM - 72 x 89 x 3.0 mm	UAR
7	D133632	WASHER - flat, hardened, special.	1
8	181042A1	NUT - hex flange, special, 1-3/4 inch NF.	1
9	REF	CYLINDER ASSEMBLY - 108 (4-1/4) ID x 686 mm (27 inch) stroke, dipper, parts list page 8-151	1
10	128760A1	CYLINDER ASSEMBLY - 83 (3-1/4) ID x 872 mm (34-5/16 inch) stroke, bucket, parts list page 8-153	1
11	D141666	PIN - bucket cylinder closed end	1
12	129041A1	PIN - dipper cylinder rod end to inner dipper extension.	1
13	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	UAR
14	103-16175	RING - heavy external retaining, No. 175, pin retaining	4
	122503A1	DIPPER ASSEMBLY - extension, inner, also includes item 24 plug.	1
15	NSS	DIPPER - inner.	1
16	D145978	BUSHING - 50 ID x 30 mm long, dipper cylinder rod end pivot	2
17	D150121	BUSHING - 70 ID x 36 mm long, to dipper pivot	2
18	129445A1	HOUSING - dipper, outer.	1
19	307186A1	BUSHING - 104 mm long, bucket coupler pivot	2
	* 134437A1	COUPLER ASSEMBLY - bucket, used with Ref 30 and 32 links, if used, see note	1
20	NSS	COUPLER - backhoe bucket	1
21	D127167	BUSHING - 30 mm long, special, at dipper	2
22	D127172	BUSHING - 28 mm long, at bucket link	4
24	D133865	PLUG - plastic, no longer included with 122503A1 inner dipper, item 15, purchase separately	4
25	1340969C2	CYLINDER ASSEMBLY - 76 (3) ID x 1068 mm (42 inch) stroke, dipper extension, parts list page 8-155.	1
26	300588A1	PIN - dipper extension cylinder closed end	1
27	800-44040	RING - external retaining, No. 40, pin retaining.	2
28	D140247	PIN - lock, used at dipper extension cylinder closed end when transporting only, used with item 29 lock pin	1
29	A33509	PIN - lock, 7/16 inch diameter	1
30	* D150608	LINK - 33 mm wide bushing, bucket guide, used with 134437A1 coupler, if used, see note	2
31	D150122	BUSHING - 50 x 60 x 33 mm	2
32	* D150080	LINK - bucket dump, with two bushings at forked end, used with 134437A1 coupler, if used, see note	1
33	D127172	BUSHING - 28 mm long	2
34	D138047	BUSHING - 54 mm (2-1/8 inch) long	2

*** NOTE:** See page 9-57, Ref 43-50 for optional coupler and bucket links.

Continued on next page



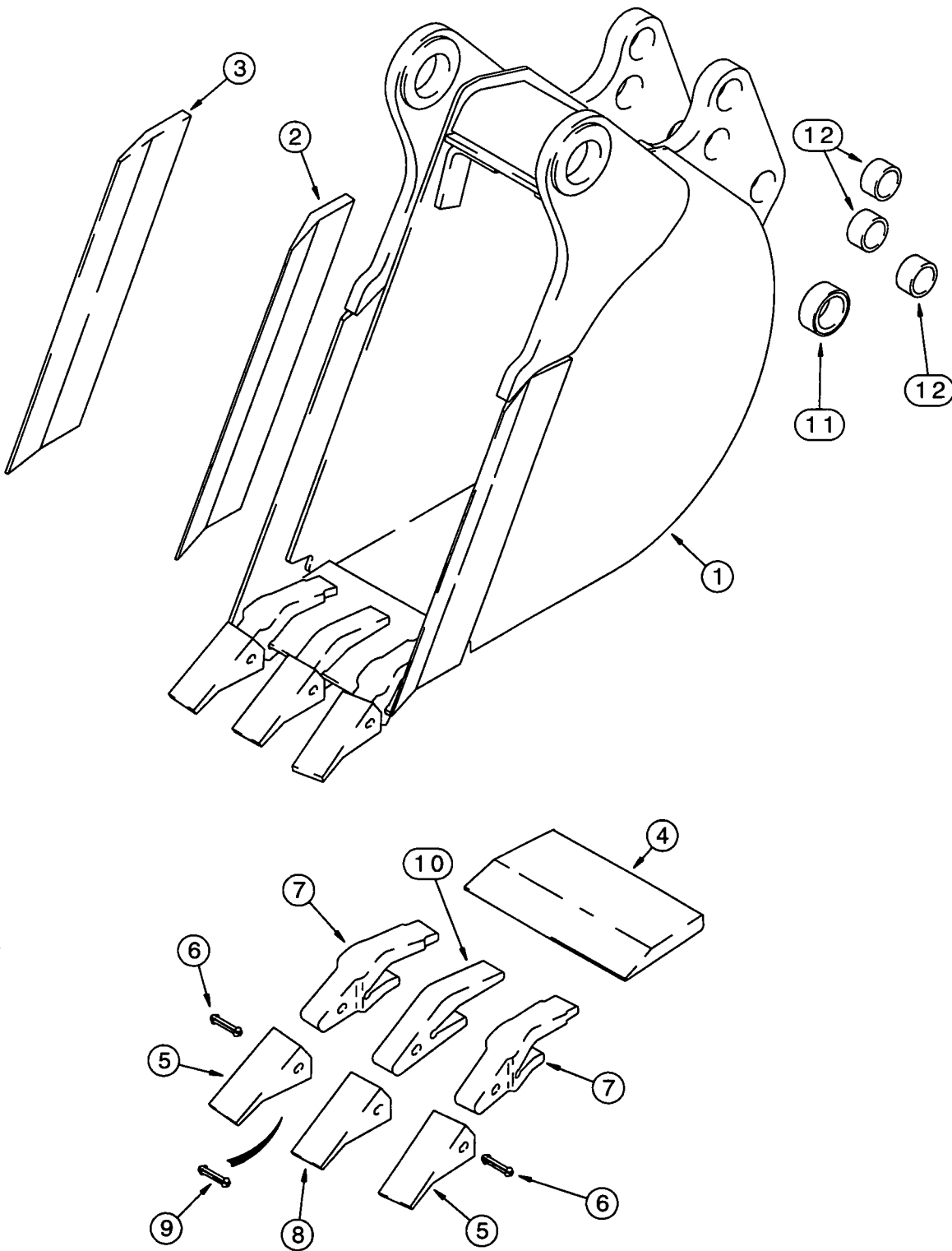
570LXT and 580L Series 2

9-61

EXTENDABLE DIPPER

REF.	PART NO.	DESCRIPTION	REQ'D.
35	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	1
37	D141142	PIN - 306 mm long, bucket cylinder rod end to links and links to dipper	2
38	495-81282	WASHER - flat, 2-1/16 x 3 x 3/32 inch.	4
39	D141164	SPACER - 1-13/16 x 3 x 1/8 inch	4
40	103-16175	RING - heavy external retaining, No. 175, pin retaining	4
41	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch	5
42	495-81226	WASHER - flat, 1-13/16 x 2-1/2 x 1/8 inch	2
43	132716A1	PLATE - wear, outer	4
44	132844A1	SHIM - 0.8 mm thick, wear plate	UAR
45	132842A1	SHIM - 1.6 mm thick, wear plate	UAR
46	130823A1	LINK - bucket dump, standard links.	2
47	D138047	BUSHING - 54 mm (2-1/8 inch) long, cylinder pivot, bossed end	1
48	D31140	BUSHING - 25 mm (1 inch) long	1
49	D146288	PIN - dump link to bucket coupler	1
50	103-16175	RING - heavy external retaining, No. 175, if used	2
51	183443A1	PIN - pine tree, long.	2
52	183509A1	PIN - pine tree, short	2

9-62



570LXT and 580L Series 2
UNIVERSAL BACKHOE BUCKET
305 MM (12 INCH) WIDE

9-63

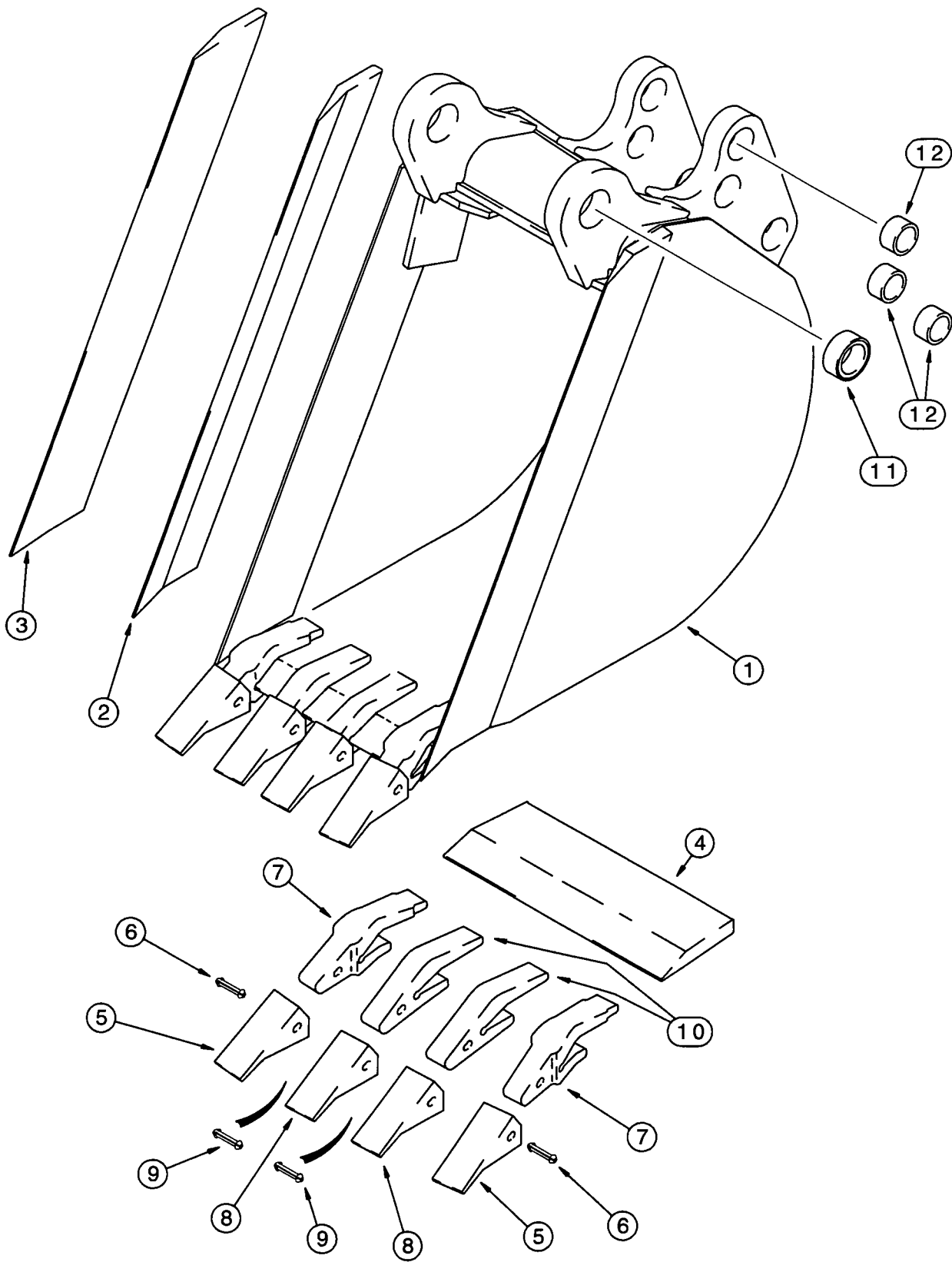
REF.	PART NO.	DESCRIPTION	REQ'D.

305 MM (12 INCH) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

1	* D147418	BUCKET ASSEMBLY - heavy duty trenching, with 3 teeth, order from Machinery Price List, 305 mm (12 inch) wide	1
2	D147411	EDGE - cutting, right-hand side, bucket	1
3	D147410	EDGE - cutting, left-hand side, bucket	1
4	D147409	EDGE - cutting, center, 305 mm (12 inch) bucket	1
	D139851	TOOTH ASSEMBLY - outer corners	2
5	D39093	POINT - tooth, outer corners.	1
6	245466A1	PIN - flex, outer point and shank.	1
7	D138157	SHANK - tooth, outer corners	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10)	1
8	D51750	POINT - tooth, center	1
9	245466A1	PIN - flex, center point and shank.	1
10	D48212	SHANK - tooth, center	1
11	D40243	BUSHING - 1-3/4 x 2-1/4 x 3/4 inch	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

*** NOTE:** See item 32 on page 9-57 for pin used on 12 inch Universal bucket.

9-64



570LXT and 580L Series 2

9-65

**UNIVERSAL BACKHOE BUCKETS
406 MM (16 INCH) AND 457 MM (18 INCH) WIDE**

REF.	PART NO.	DESCRIPTION	REQ'D.

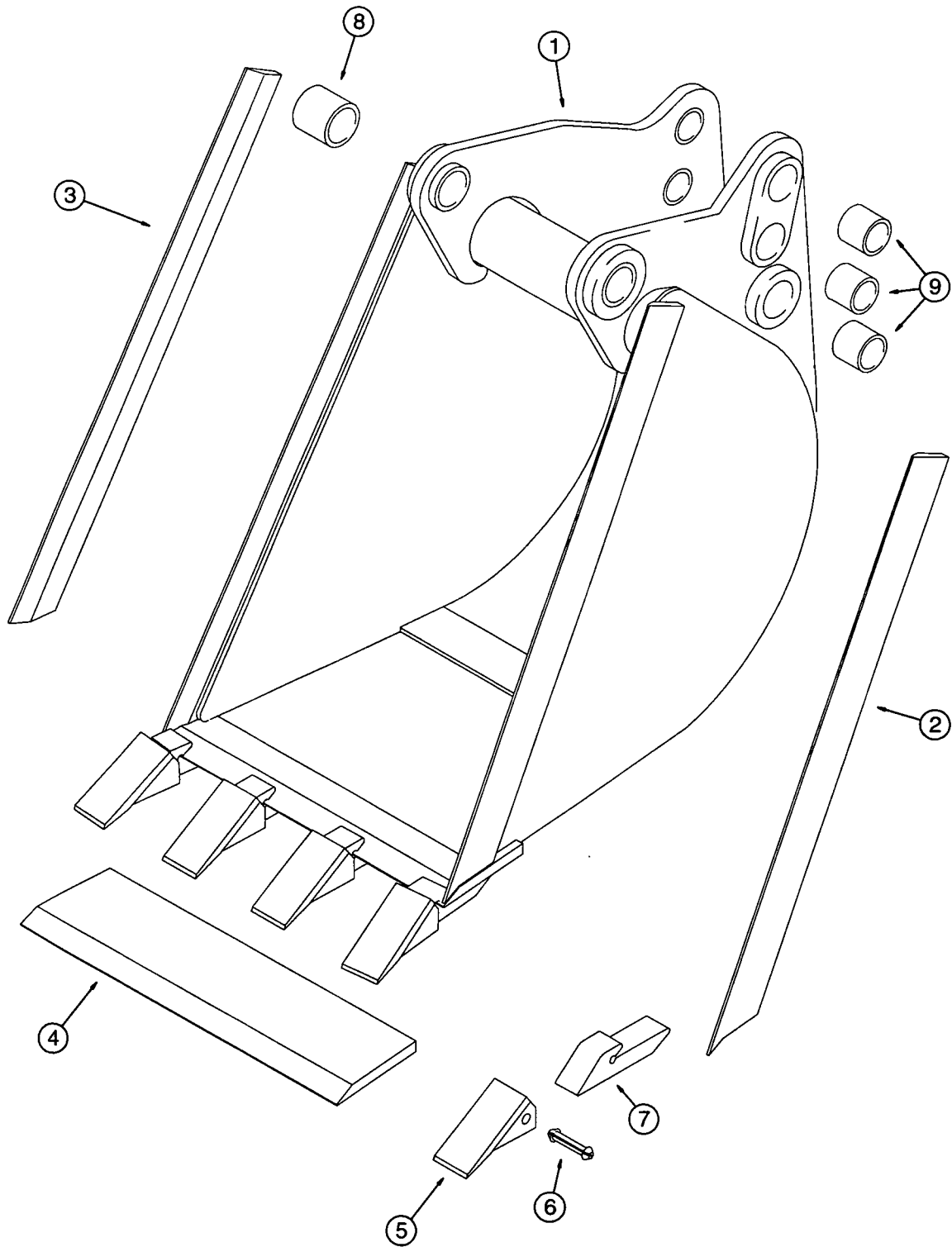
406 MM (16 INCH) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

1	D147247	BUCKET ASSEMBLY - heavy duty trenching, with 3 teeth, order from Machinery Price List, 406 mm (16 inch) wide, not shown	1
2	D146421	EDGE - cutting, right-hand side, bucket	1
3	D146420	EDGE - cutting, left-hand side, bucket	1
4	D147249	EDGE - cutting, center, 406 mm (16 inch) bucket	1
	D139851	TOOTH ASSEMBLY - outer corners	2
5	D39093	POINT - tooth, outer corners	1
6	245466A1	PIN - flex, outer point and shank	1
7	D138157	SHANK - tooth, outer corners	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10)	1
8	D51750	POINT - tooth, center	1
9	245466A1	PIN - flex, center point and shank	1
10	D48212	SHANK - tooth, center	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

457 MM (18 INCH) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

1	D146588	BUCKET ASSEMBLY - heavy duty trenching, with 4 teeth, order from Machinery Price List, 457 mm (18 inch) wide	1
2	D146421	EDGE - cutting, right-hand side, bucket	1
3	D146420	EDGE - cutting, left-hand side, bucket	1
4	D145060	EDGE - cutting, center, 457 mm (18 inch) bucket	1
	D139851	TOOTH ASSEMBLY - outer corners	2
5	D39093	POINT - tooth, outer corners	1
6	245466A1	PIN - flex, outer point and shank	1
7	D138157	SHANK - tooth, outer corners	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10)	2
8	D51750	POINT - tooth, center	1
9	245466A1	PIN - flex, center point and shank	1
10	D48212	SHANK - tooth, center	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

9-66



570LXT and 580L Series 2

9-67

BACKHOE BUCKETS

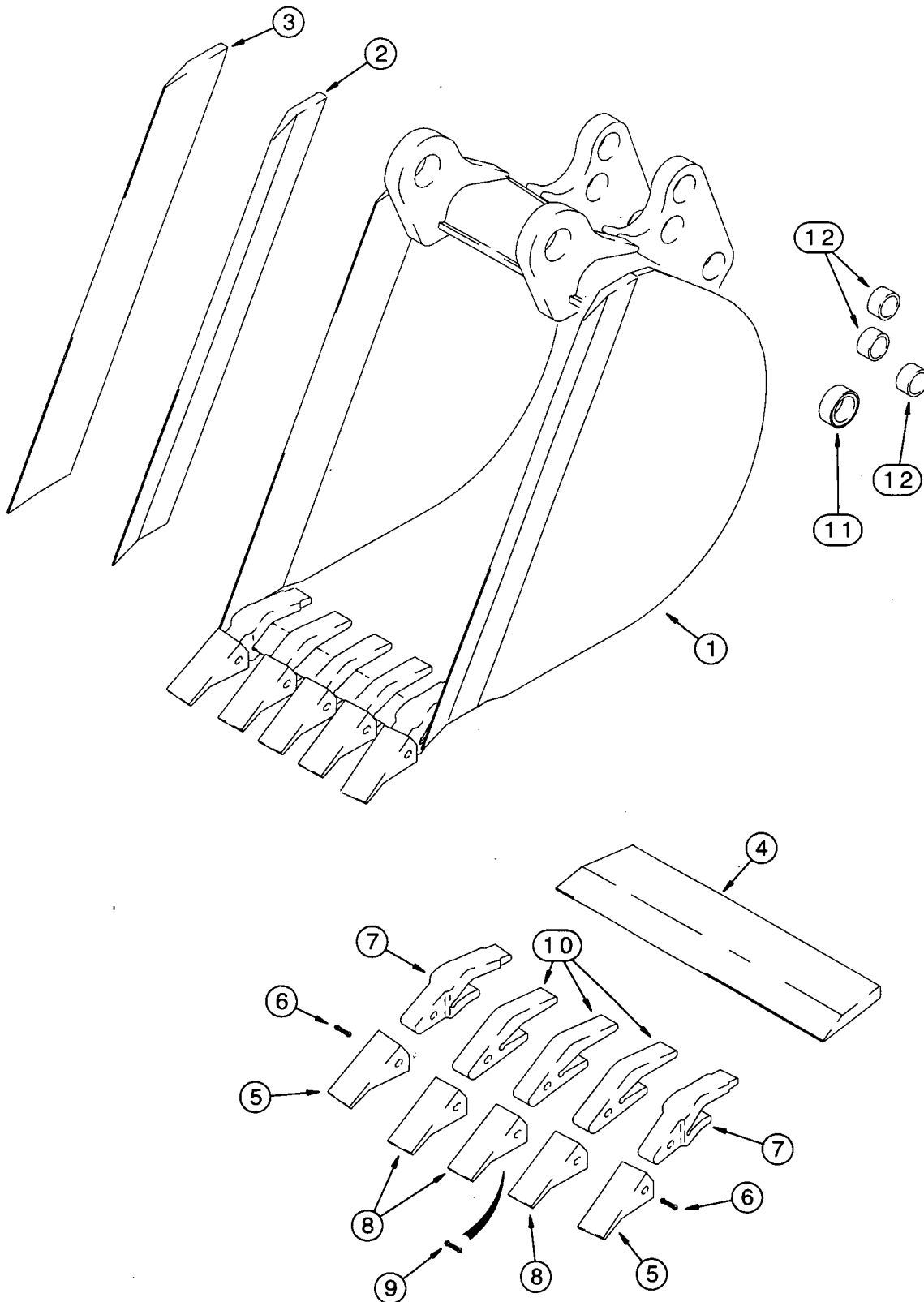
457 MM (18 INCH) WIDE

REF.	PART NO.	DESCRIPTION	REQ'D.

457 MM (18 INCH) WIDE TRENCHING BUCKET

1	183808A1	BUCKET ASSEMBLY - trenching, with 4 teeth, order from Machinery Price List, 457 mm (18 inch) wide, also see page 9-65 for 18 inch Universal bucket	1
2	129894A1	EDGE - cutting, right-hand side, bucket	1
3	129893A1	EDGE - cutting, left-hand side, bucket	1
4	183810A1	EDGE - cutting, center, 457 mm (18 inch) bucket	1
	D41659	TOOTH ASSEMBLY - bucket	4
5	D39093	POINT - tooth	1
6	245466A1	PIN - flex	1
7	NSS	SHANK - tooth	1
8	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
9	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

9-68



570LXT and 580L Series 2
9-69
**UNIVERSAL BACKHOE BUCKETS
610 MM (24 INCH) AND 762 MM (30 INCH) WIDE**

REF.	PART NO.	DESCRIPTION	REQ'D.

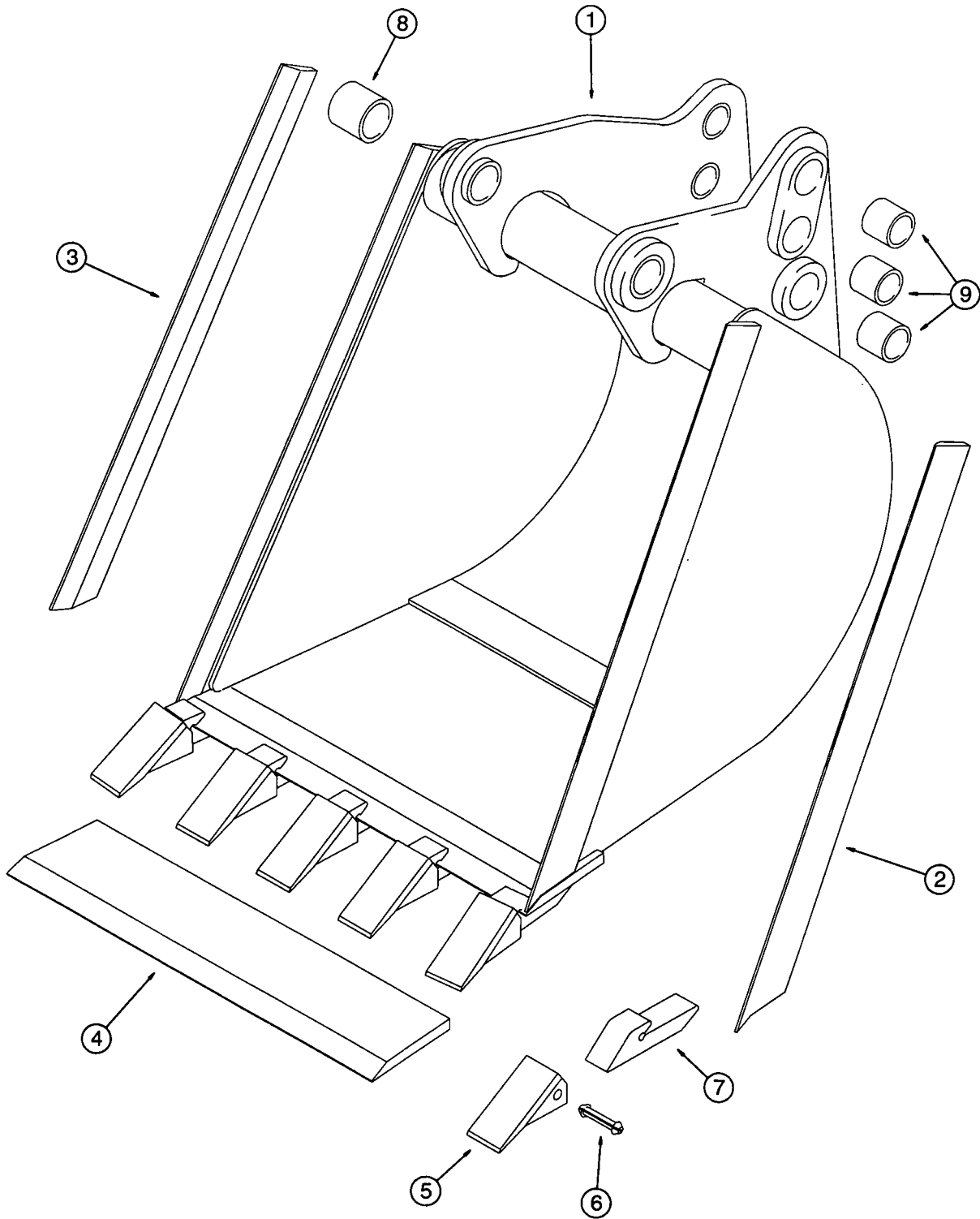
610 MM (24 INCH) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

1	D150348	BUCKET ASSEMBLY - heavy duty trenching, with 5 teeth, order from Machinery Price List, 610 mm (24 inch) wide	1
2	D146421	EDGE - cutting, right-hand side, bucket	1
3	D146420	EDGE - cutting, left-hand side, bucket	1
4	D142012	EDGE - cutting, center, 610 mm (24 inch) bucket	1
	D139851	TOOTH ASSEMBLY - outer corners	2
5	D39093	POINT - tooth, outer corners	1
6	245466A1	PIN - flex, outer point and shank	1
7	D138157	SHANK - tooth, outer corners	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10)	3
8	D51750	POINT - tooth, center	1
9	245466A1	PIN - flex, center point and shank	1
10	D48212	SHANK - tooth, center	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

762 MM (30 INCH) WIDE TRENCHING BUCKET AND TEETH - HEAVY DUTY

1	D150364	BUCKET ASSEMBLY - heavy duty trenching, with 5 teeth, order from Machinery Price List, 762 mm (30 inch) wide, not shown	1
2	D146421	EDGE - cutting, right-hand side, bucket	1
3	D146420	EDGE - cutting, left-hand side, bucket	1
4	D145061	EDGE - cutting, center, 762 mm (30 inch) bucket	1
	D139851	TOOTH ASSEMBLY - outer corners	2
5	D39093	POINT - tooth, outer corners	1
6	245466A1	PIN - flex, outer point and shank	1
7	D138157	SHANK - tooth, outer corners	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10)	3
8	D51750	POINT - tooth, center	1
9	245466A1	PIN - flex, center point and shank	1
10	D48212	SHANK - tooth, center	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

9-70



570LXT and 580L Series 2**9-71****BACKHOE BUCKETS****610 MM (24 INCH) AND 762 MM (30 INCH) WIDE**

REF.	PART NO.	DESCRIPTION	REQ'D.

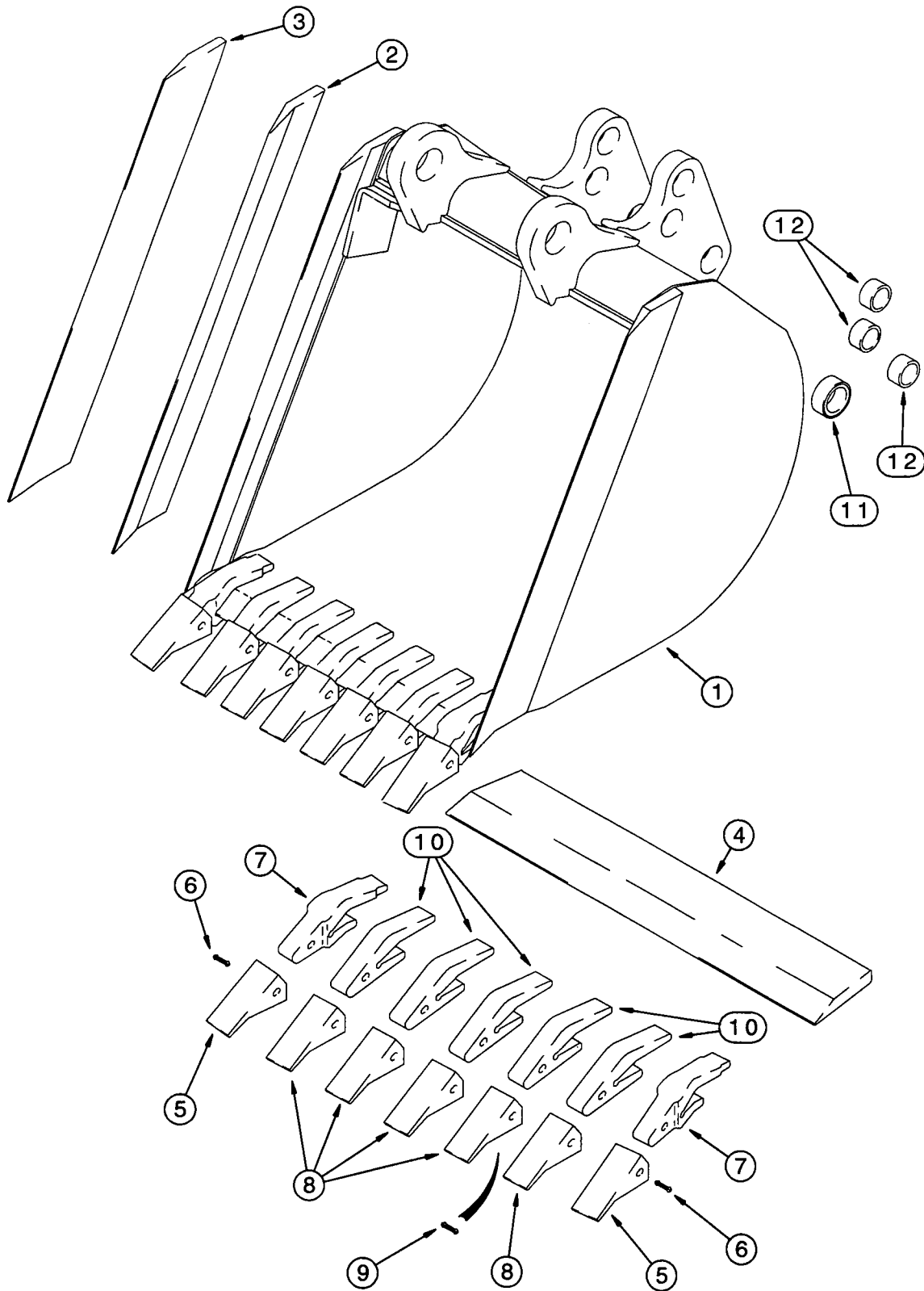
610 MM (24 INCH) WIDE TRENCHING BUCKET

1	129885A1	BUCKET ASSEMBLY - trenching, with 5 teeth, order from Machinery Price List, 610 mm (24 inch) wide, also see page 9-69 for 24 inch Universal bucket	1
2	129894A1	EDGE - cutting, right-hand side, bucket	1
3	129893A1	EDGE - cutting, left-hand side, bucket	1
4	129944A1	EDGE - cutting, center, 610 mm (24 inch) bucket	1
	D41659	TOOTH ASSEMBLY - bucket.	5
5	D39093	POINT - tooth	1
6	245466A1	PIN - flex	1
7	NSS	SHANK - tooth	1
8	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
9	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

762 MM (30 INCH) WIDE TRENCHING BUCKET

1	178015A1	BUCKET ASSEMBLY - trenching, with 6 teeth, order from Machinery Price List, 762 mm (30 inch) wide, not shown, also see page 9-69 for 30 inch Universal bucket.	1
2	129894A1	EDGE - cutting, right-hand side, bucket	1
3	129893A1	EDGE - cutting, left-hand side, bucket	1
4	178019A1	EDGE - cutting, center, 762 mm (30 inch) bucket	1
	D41659	TOOTH ASSEMBLY - bucket.	6
5	D39093	POINT - tooth	1
6	245466A1	PIN - flex	1
7	NSS	SHANK - tooth	1
8	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
9	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

9-72



570LXT and 580L Series 2
UNIVERSAL BACKHOE BUCKETS
914 MM (36 INCH) WIDE

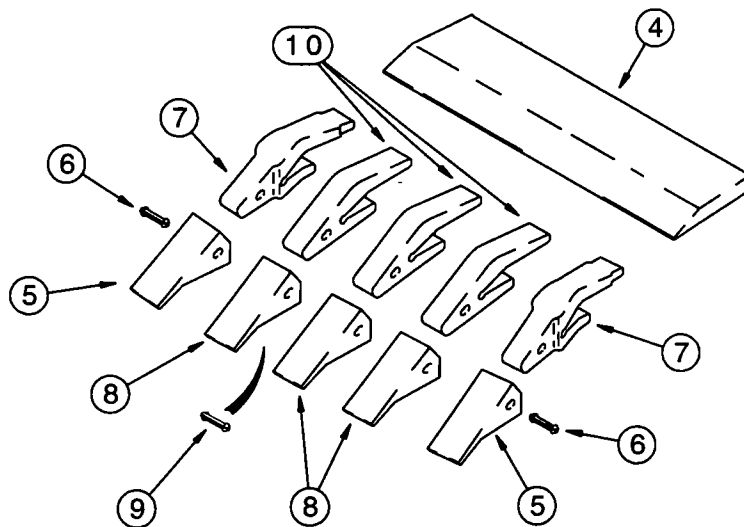
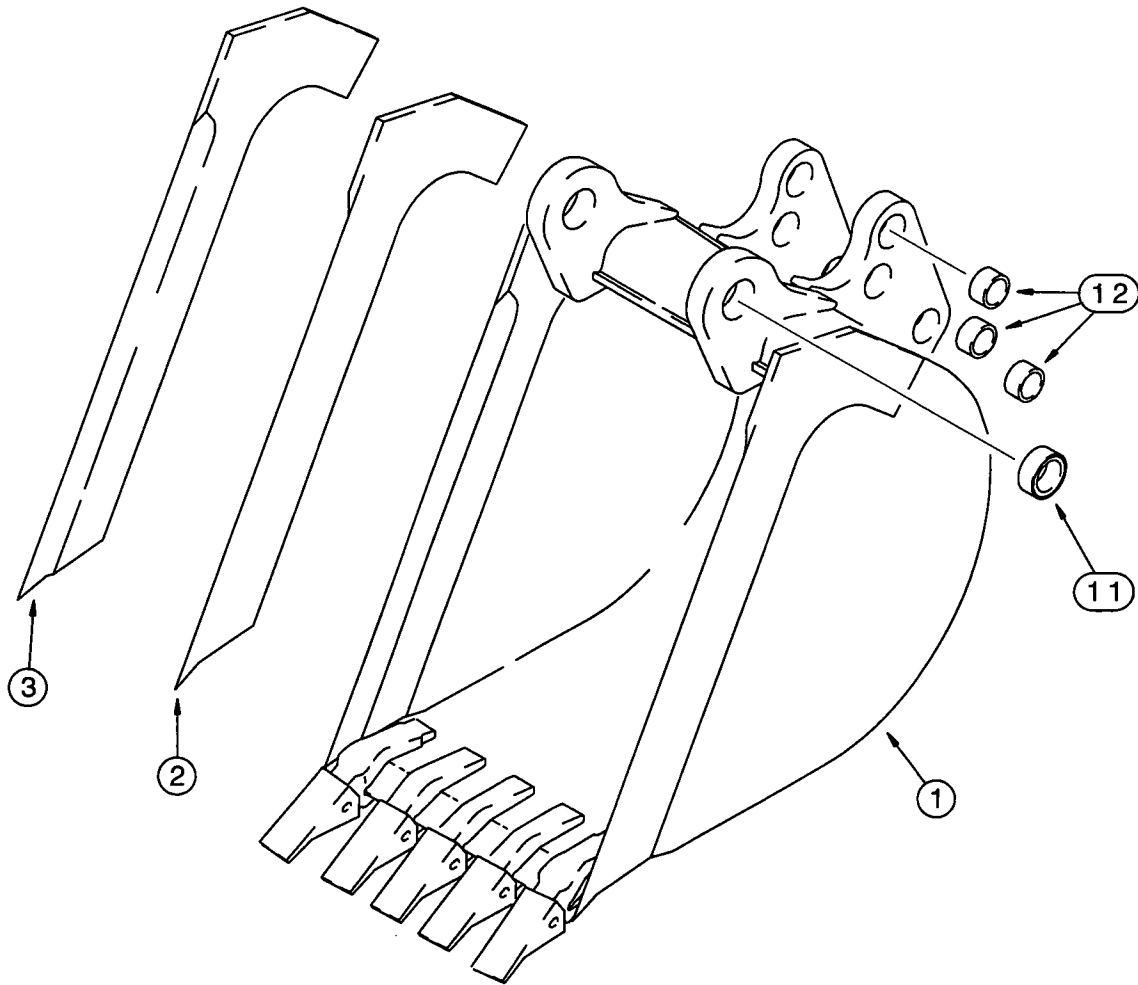
9-73

REF.	PART NO.	DESCRIPTION	REQ'D.

914 MM (36 INCH) WIDE TRENCHING BUCKETS AND TEETH - HEAVY DUTY

1	D150365	BUCKET ASSEMBLY - heavy duty trenching, with 7 teeth, order from Machinery Price List, 914 mm (36 inch) wide	1
2	D146421	EDGE - cutting, right-hand side, bucket	1
3	D146420	EDGE - cutting, left-hand side, bucket	1
4	D145062	EDGE - cutting, center, 914 mm (36 inch) bucket	1
	D139851	TOOTH ASSEMBLY - outer corners	2
5	D39093	POINT - tooth, outer corners.	1
6	245466A1	PIN - flex, outer point and shank.	1
7	D138157	SHANK - tooth, outer corners	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10)	5
8	D51750	POINT - tooth, center	1
9	245466A1	PIN - flex, center point and shank.	1
10	D48212	SHANK - tooth, center	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

9-74



570LXT and 580L Series 2
UNIVERSAL BACKHOE BUCKET
610 MM (24 INCH) WIDE

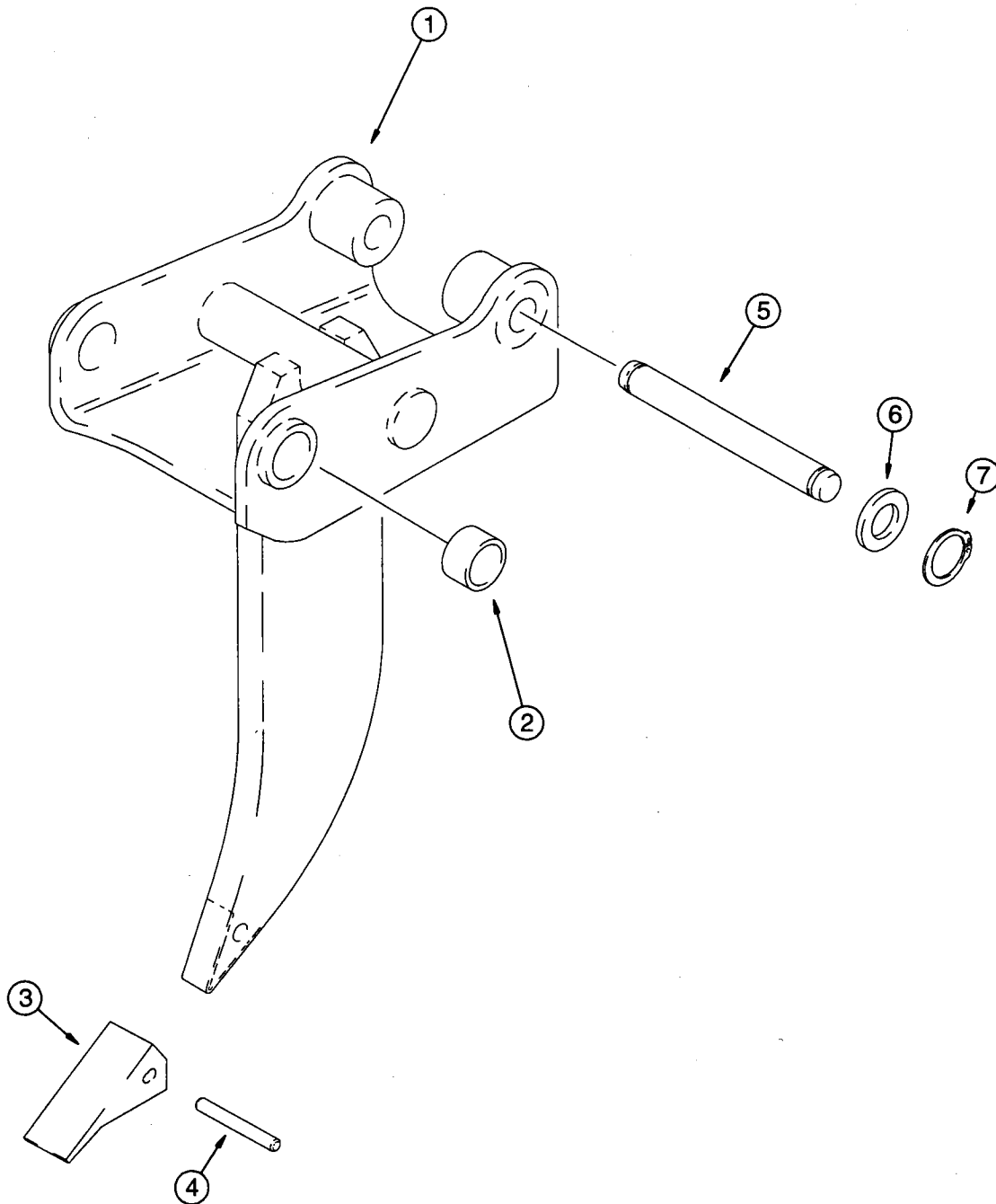
9-75

REF.	PART NO.	DESCRIPTION	REQ'D.

610 MM (24 INCH) WIDE - HIGH CAPACITY TRENCHING BUCKET

1	141232A1	BUCKET ASSEMBLY - high capacity trenching, with 5 teeth, order from Machinery Price List, 610 mm (24 inch) wide	1
2	141234A1	EDGE - cutting, right-hand side, bucket	1
3	141233A1	EDGE - cutting, left-hand side, bucket	1
4	D142012	EDGE - cutting, center, 610 mm (24 inch) bucket	1
	D139851	TOOTH ASSEMBLY - outer corners	2
5	D39093	POINT - tooth, outer corners	1
6	245466A1	PIN - flex, outer point and shank	1
7	D138157	SHANK - tooth, outer corners	1
	D139849	TOOTH ASSEMBLY - center (order items 8-10)	3
8	D51750	POINT - tooth, center	1
9	245466A1	PIN - flex, center point and shank	1
10	D48212	SHANK - tooth, center	1
11	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
12	D30933	BUSHING - 1-1/2 x 1-7/8 x 1-1/4 inch	6

9-76

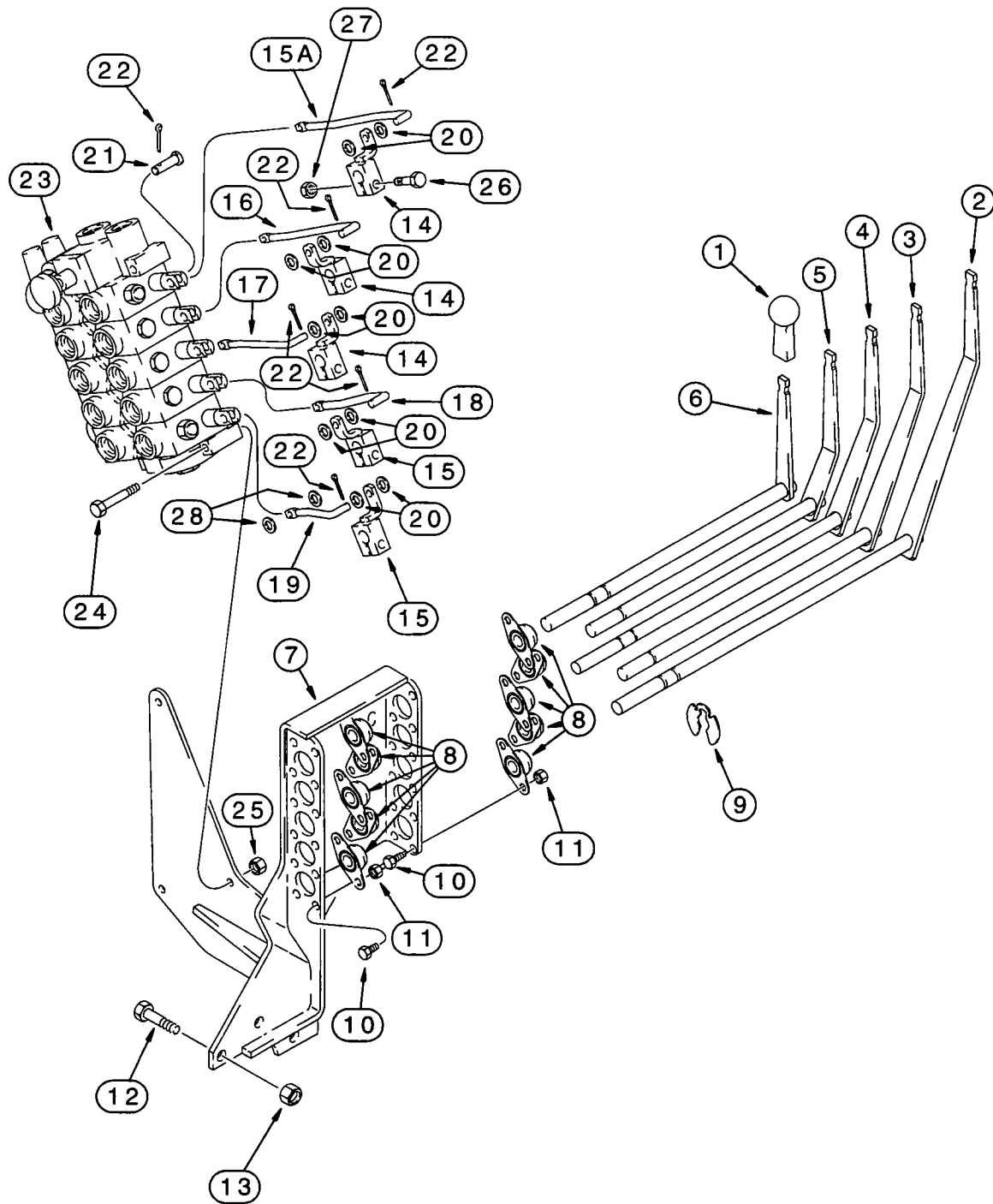


570LXT and 580L Series 2
FROST POINT ASSEMBLY

9-77

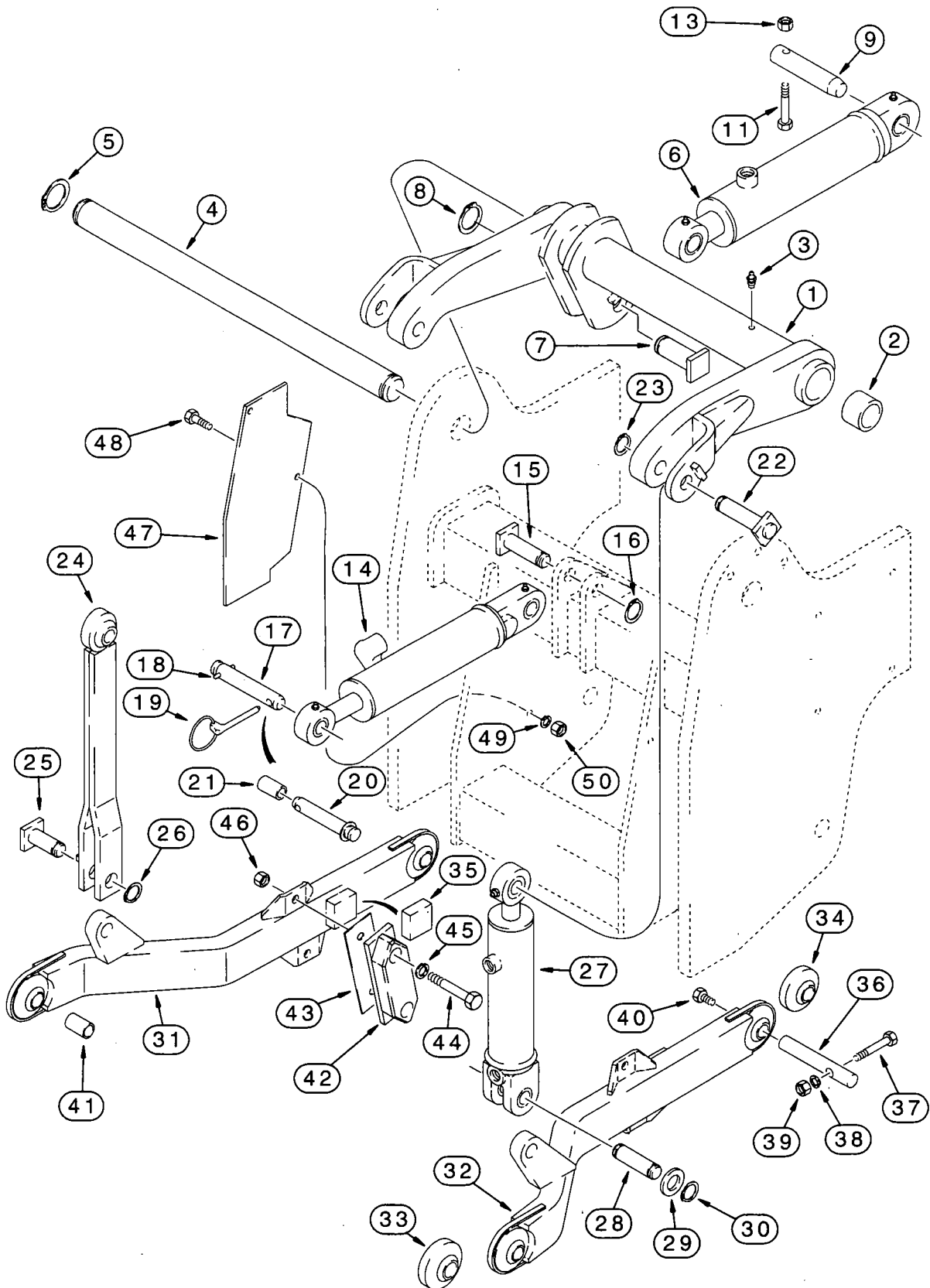
REF.	PART NO.	DESCRIPTION	REQ'D.
	D140679	POINT ASSEMBLY - frost, backhoe, used with 134437A1 coupler assembly, if used, see page 9-55 for coupler	1
1	NSS	BODY - frost point	1
2	D37495	BUSHING - 1-3/4 x 2-1/2 x 1-1/4 inch	2
3	D83306	POINT - tooth	1
4	D43417	PIN - tooth point	1
5	D54218	PIN - link, to frost point	1
6	495-81292	WASHER - flat, 1-9/16 x 3-1/4 x 3/16 inch	2
7	D25279	RING - snap.	2
	319467A1	POINT ASSEMBLY - frost, backhoe, not shown, used with 281185A1 coupler assembly, if used, see page 9-57 for coupler	1

9-78



570LXT and 580L Series 2**9-79****THREE-POINT HITCH CONTROLS**
(THIRD LEVER, REF 4, IS TILT; FOURTH LEVER, REF 3, IS PITCH)
570LXT MODELS

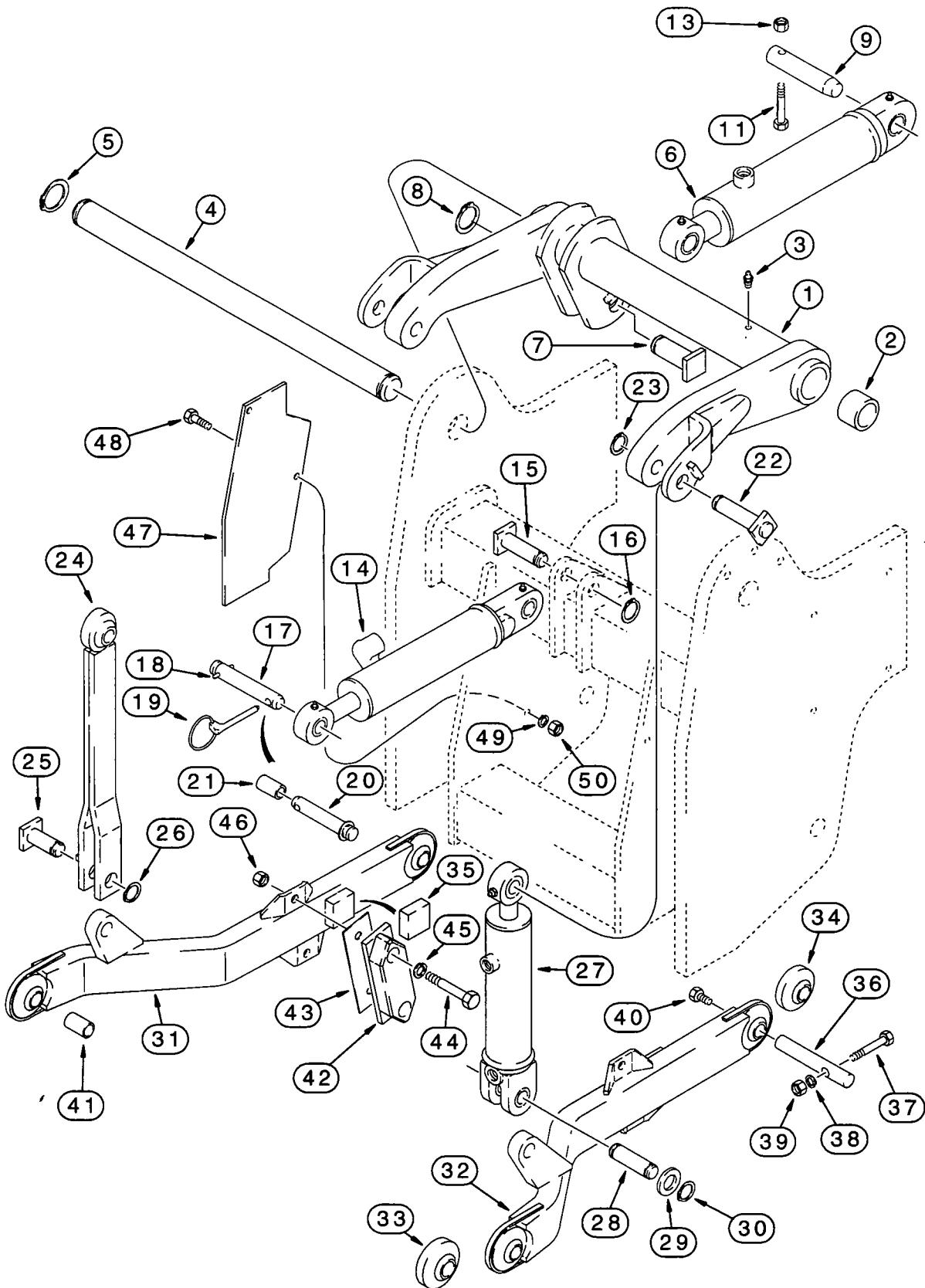
REF.	PART NO.	DESCRIPTION	REQ'D.
1	D135387	KNOB - lever	5
2	227968A1	LEVER - lift control	1
3	227966A1	LEVER - pitch control	1
4	227970A1	LEVER - tilt control	1
5	227973A1	LEVER - implement control, front auxiliary	1
6	227975A1	LEVER - implement control, rear auxiliary	1
7	227963A2	BRACKET - valve and control lever mounting	1
8	L15401	BEARING - pivot, self-aligning, 5/8 inch	10
9	D95096	RING - retaining	8
10	614-8020	BOLT - hex, full threads, 8 - 1.25 x 20 mm	6
11	829-1408	NUT - hex, 8 mm - 1.25, class 10	12
12	814-12045	BOLT - hex, 12 - 1.75 x 45 mm, valve mounting bracket to three-point hitch frame	3
13	829-1412	NUT - hex, 12 mm - 1.75, class 10	3
14	142244A1	RETAINER - short pivot	3
15	142245A2	RETAINER - long pivot	2
15A	181487A1	ROD - implement control, rear auxiliary, shaft to valve	1
16	181486A1	ROD - implement control, front auxiliary shaft to valve	1
17	181485A1	ROD - control, shaft to valve	1
18	181484A1	ROD - control, shaft to valve	1
19	197354A1	ROD - lift control, shaft to valve	1
20	495-11034	WASHER - flat, 11/32 x 11/16 x 1/16 inch	10
21	427-4077	PIN - clevis, 1/4 x 3/4 inch, hardened	5
22	432-412	PIN - cotter, 1/16 x 3/4 inch	10
23	142252A2	VALVE ASSEMBLY - three-point hitch control, five spool, parts list page 8-121	1
24	814-8070	BOLT - hex, 8 - 1.25 x 70 mm, valve mounting	3
25	829-1408	NUT - hex, 8 mm - 1.25, class 10	3
26	814-8040	BOLT - hex, 8 - 1.25 x 40 mm	5
27	829-1408	NUT - hex, 8 mm - 1.25, class 10	5
28	895-11006	WASHER - flat, 6.6 x 12 x 1.6 mm, lift control rod	2



570LXT and 580L Series 2**9-81****THREE-POINT HITCH FRAME, DRAFT ARMS,
LINKAGE, AND CYLINDER MOUNTING
570LXT MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	130113A1	TUBE - rockshaft	1
2	D50146	BUSHING - tube	2
3	219-1	FITTING - grease, straight, 1/8 PT x 21/32 inch, straight	1
4	130228A1	SHAFT - three-point hitch mounting	1
5	103-16175	RING - heavy external retaining, No. 175, rockshaft	2
6	REF	CYLINDER ASSEMBLY - 76 (3) ID x 207 mm (8-5/32 inch) stroke, lift, parts list page 8-157 or 8-157B	1
7	199243A1	PIN - mounting, lift cylinder rod end.	1
8	103-16125	RING - heavy external retaining, No. 125, pin retaining	1
9	244356A1	PIN - lift cylinder closed end to chassis	1
11	814-10070	BOLT - hex, 10 - 1.5 x 70 mm	1
13	832-10410	NUT - hex, self-locking, 10 mm - 1.5	1
14	138235A1	CYLINDER ASSEMBLY - 64 (2-1/2) ID x 178 mm (7 inch) stroke, pitch, parts list page 8-161	1
15	199189A1	PIN - mounting, pitch cylinder closed end at mounting frame	1
16	D25277	RING - snap, pin retaining	1
17	199280A1	PIN - pitch cylinder to equipment, for use with Category II hitch, 1 inch diameter, if used	1
18	38-11628	PIN - roll, 1/4 x 1-3/4 inch.	1
19	D33805	PIN - locking	1
20	D141292	PIN - pitch cylinder to equipment, for use with Category I hitch, 3/4 inch diameter, if used	1
21	D141156	BUSHING - pivot, pitch cylinder rod eye, used with D141292 pin to adapt for use with Category I hitch, if used	1
22	199296A1	PIN - mounting, tilt cylinder and strut, upper	2
23	D25277	RING - snap, pin retaining	2

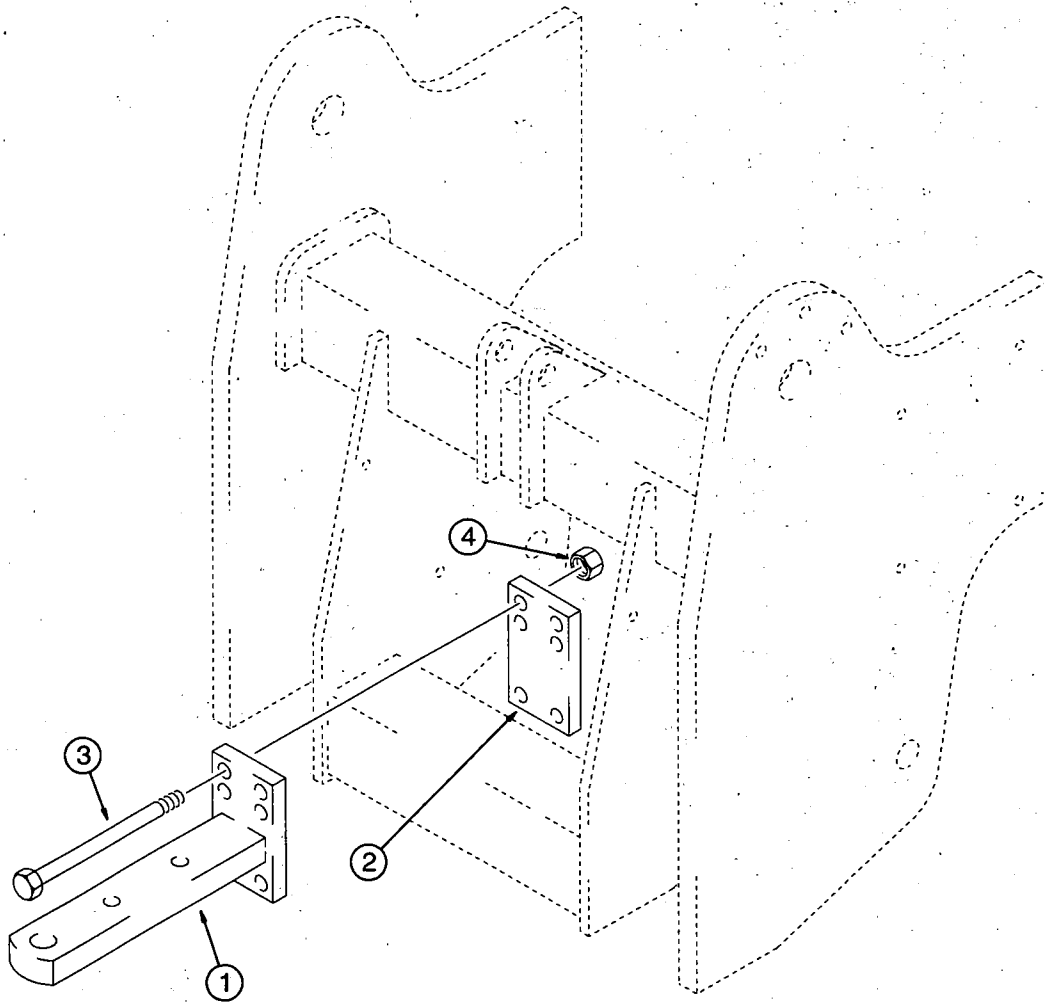
Continued on next page



570LXT and 580L Series 2**9-83****THREE-POINT HITCH, FRAME, DRAFT ARMS,
LINKAGE, AND CYLINDER MOUNTING
570LXT MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
24	D51276	STRUT - stationary	1
25	D51297	PIN - mounting, strut, lower	1
26	D25277	RING - snap, pin retaining	1
27	137912A1	CYLINDER ASSEMBLY - 64 (2-1/2) ID x 160 mm (6-19/64 inch) stroke, tilt, parts list page 8-159.	1
28	D30609	PIN - mounting, tilt cylinder closed end, lower.	1
29	495-11106	WASHER - flat, 1-1/16 x 2 x 1/8 inch.	2
30	D25277	RING - snap, pin retaining	2
31	195611A1	ARM - draft, left-hand, includes items 33-35 below.	1
32	195610A1	ARM - draft, right-hand	1
33	15-18	BUSHING - self-aligning, 1-1/8 inch pin size	1
34	D149451	BUSHING - self-aligning, 1 inch pin size	1
35	D146073	BLOCK - wear	1
36	139100A1	PIN - mounting, draft arm to chassis mounting frame	2
37	814-10070	BOLT - hex, 10 - 1.5 x 70 mm	2
38	892-11010	WASHER - lock, 10 mm	2
39	825-1410	NUT - hex, 10 mm - 1.5	2
40	614-12025	BOLT - hex, full threads, 12 - 1.75 x 25 mm	2
41	D140991	BUSHING - draft arm to equipment, for use with Category I hitch, if used	2
42	130127A1	RETAINER - sway, draft arm.	2
43	130207A1	SHIM - wear, 1.6 mm thick, two per side	4
44	814-12045	BOLT - hex, 12 - 1.75 x 45 mm	4
45	892-11012	WASHER - lock, 12 mm	4
46	829-1412	NUT - hex, 12 mm - 1.75, class 10	4
47	D149504	PLATE - wear	2
48	614-10035	BOLT - hex, full threads, 10 - 1.5 x 35 mm	4
49	892-11010	WASHER - lock, 10 mm	4
50	825-1410	NUT - hex, 10 mm - 1.5	4

9-84



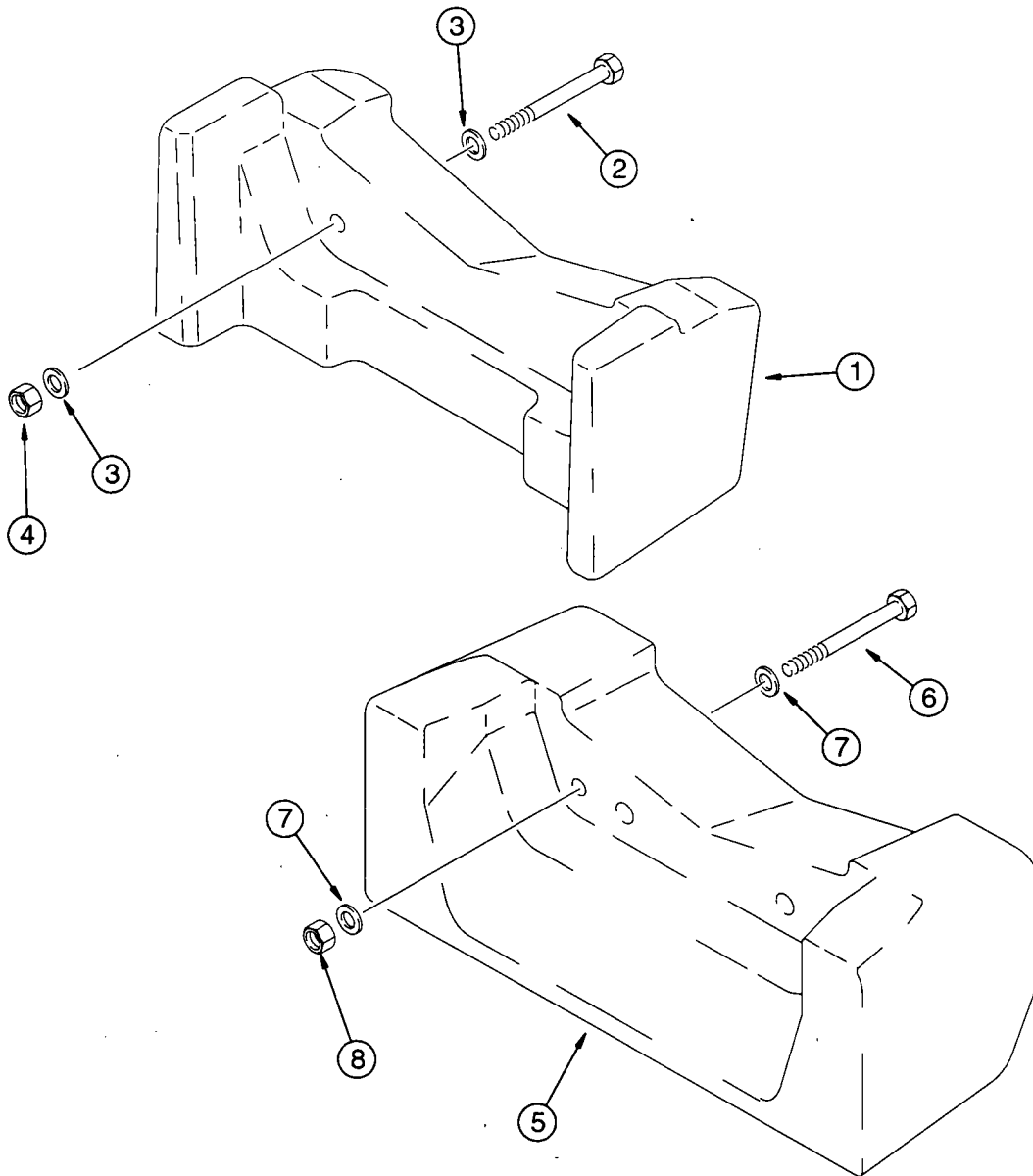
570LXT and 580L Series 2

9-85

**RIGID DRAWBAR
USED WITH THREE-POINT HITCH
570LXT MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D136894	DRAWBAR - rigid, tractor	1
2	D136893	PLATE - mounting	1
3	413-10104	BOLT - hex, 5/8 NC x 6-1/2 inch	4
4	425-1010	NUT - hex, 5/8 inch NC	4

9-86

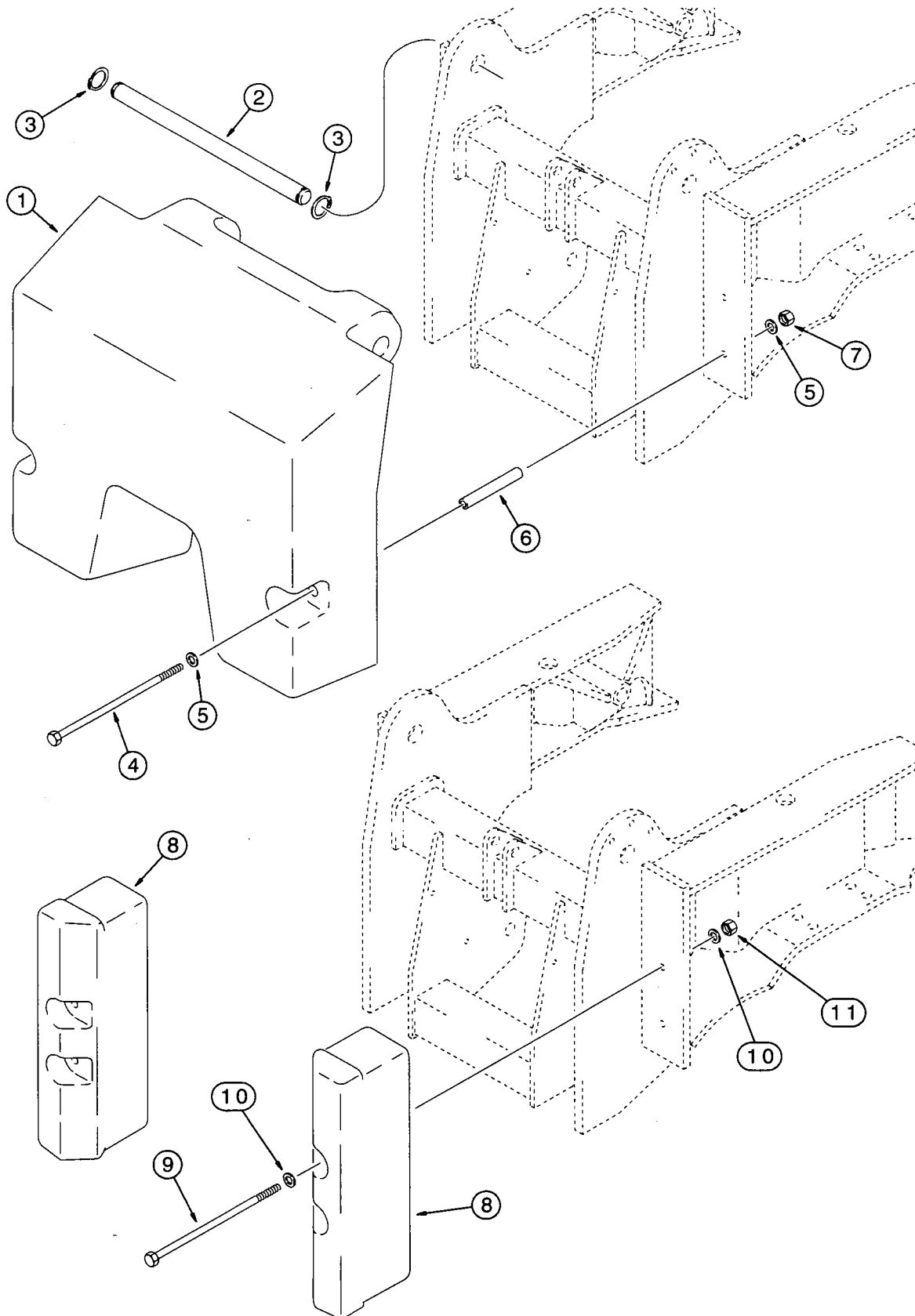


570LXT and 580L Series 2
FRONT COUNTERWEIGHT

9-87

REF.	PART NO.	DESCRIPTION	REQ'D.
1	194520A1	COUNTERWEIGHT - front, 200 kg (441 lbs), if used	1
2	827-20170	BOLT - hex, 20 - 2.5 x 170 mm, class 10.9	2
3	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	4
4	829-1420	NUT - hex, 20 mm - 2.5, class 10	2
5	230513A1	COUNTERWEIGHT - front, 408 kg (900 lbs), if used	1
6	827-20170	BOLT - hex, 20 - 2.5 x 170 mm, class 10.9	2
7	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened	4
8	829-1420	NUT - hex, 20 mm - 2.5, class 10	2

9-88



570LXT and 580L Series 2
REAR COUNTERWEIGHTS
570LXT MODELS

9-89

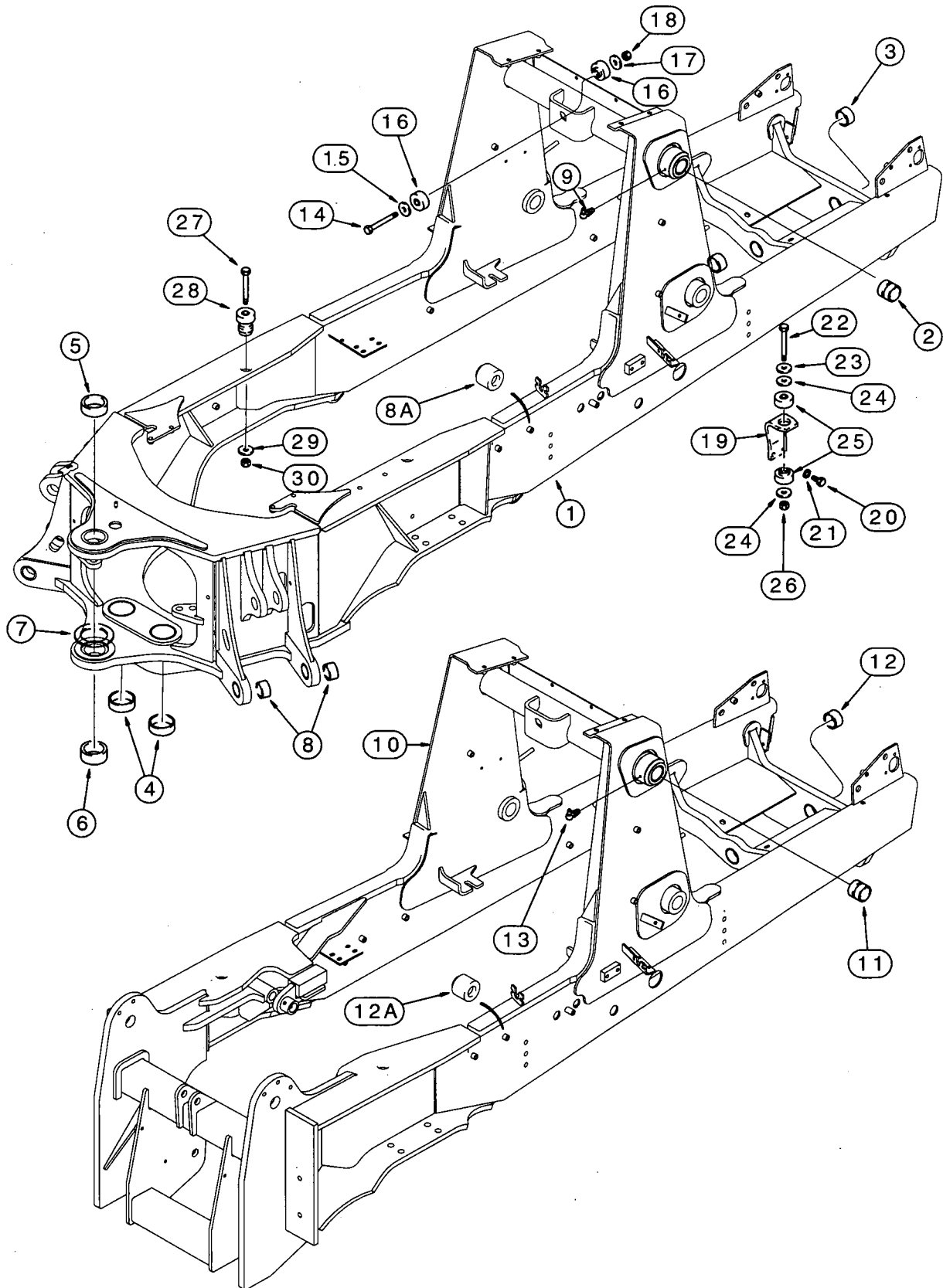
REF.	PART NO.	DESCRIPTION	REQ'D.

USED ON MODELS WITHOUT THREE-POINT HITCH

1	131490A1	COUNTERWEIGHT - rear, 3000 pounds (1361 kg)	1
2	130228A1	SHAFT - counterweight to frame	1
3	103-16175	RING - heavy external retaining, No. 175	2
4	180537A1	BOLT - hex, special, counterweight mounting	2
5	896-16016	WASHER - flat, 17.5 x 34 x 5 mm, hardened	4
6	180510A1	SPACER - counterweight mounting	2
7	829-1416	NUT - hex, 16 mm - 2.0, class 10	2

USED ON MODELS WITH THREE-POINT HITCH

8	134295A1	COUNTERWEIGHT - rear, 300 pounds (136 kg)	2
9	814-16250	BOLT - hex, 16 - 2.0 x 250 mm	4
10	896-16016	WASHER - flat, 17.5 x 34 x 5 mm, hardened	8
11	829-1416	NUT - hex, 16 mm - 2.0, class 10	4



570LXT and 580L Series 2**9-91****CHASSIS AND OPERATOR COMPARTMENT POD MOUNTS**

REF.	PART NO.	DESCRIPTION	REQ'D.

580L CHASSIS

1	299395A1	CHASSIS - loader backhoe, integral	1
2	180427A1	BUSHING - loader frame pivot	2
3	D127542	BUSHING - front axle pivot	2
4	192559A1	BUSHING - 80 mm ID, swing cylinder pivot	2
5	D151069	BUSHING - 70 mm ID, upper, backhoe frame, swing tower mounting	1
6	D151070	BUSHING - 70 mm ID, lower, backhoe frame, swing tower mounting	1
7	220413A1	SPACER - 93 x 135 x 5 mm.	1
8	107124A1	BUSHING - lower, side, backhoe frame, at stabilizer leg mounting	4
8A	185356A1	BOSS - 10 mm, welded to chassis frame.	7
9	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch, loader frame pivot.	2

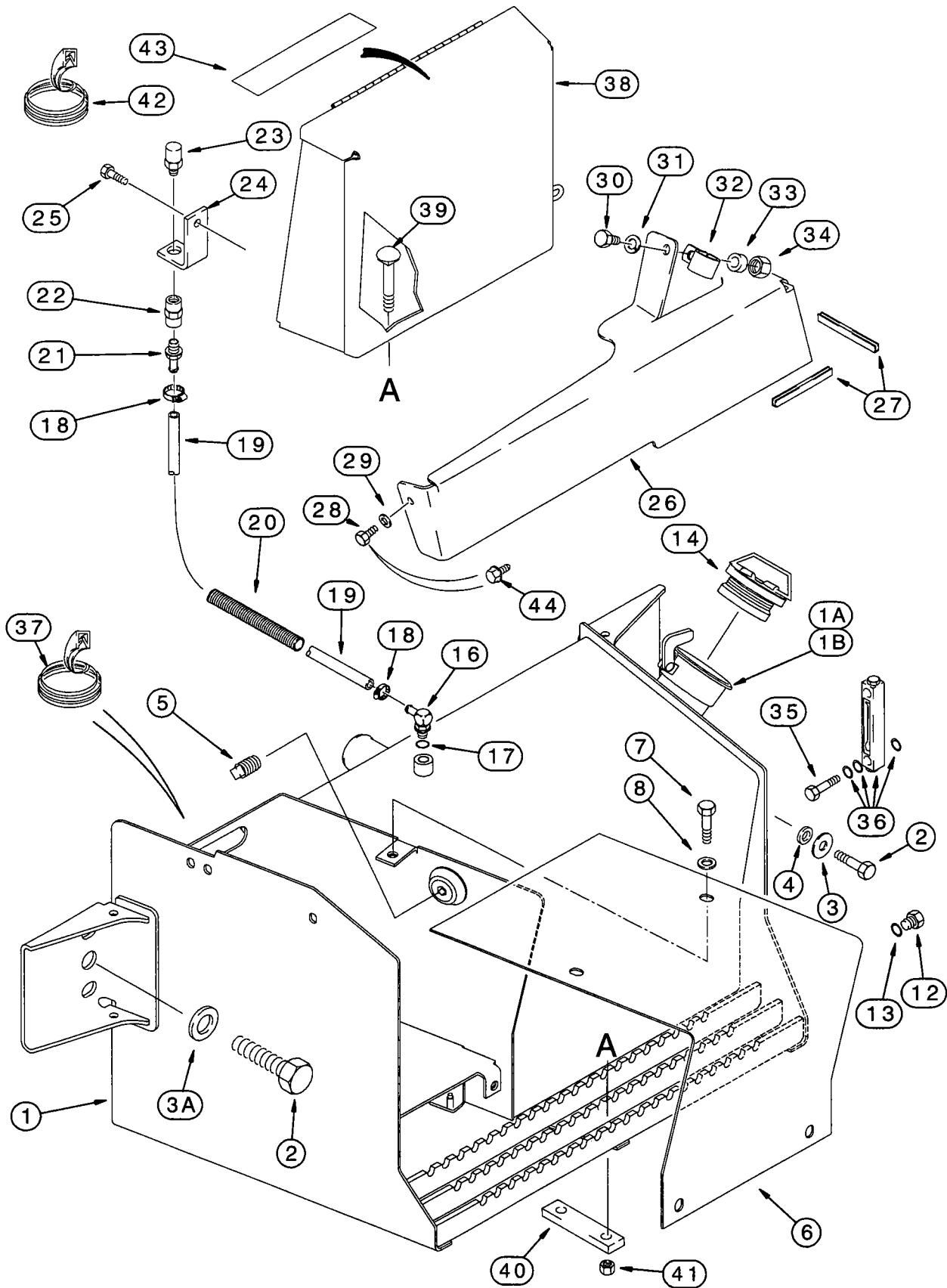
570LXT CHASSIS

10	299396A1	CHASSIS - loader landscaper	1
11	180427A1	BUSHING - loader frame pivot	2
12	D127542	BUSHING - front axle pivot	2
12A	185356A1	BOSS - 10 mm, welded to chassis frame.	7
13	219-55	FITTING - grease, 90 degree, 1/8 PT x 27/32 inch	2

OPERATOR COMPARTMENT POD MOUNTS

14	827-16110	BOLT - hex, 16 - 2.0 x 110 mm, class 10.9	1
15	495-81259	WASHER - flat, 21/32 x 2 x 1/4 inch	1
16	D138565	INSULATOR - mounting, frame, upper, firewall.	2
17	186977A1	WASHER - flat, special	1
18	829-1416	NUT - hex, 16 mm - 2.0, class 10	1
19	141249A1	BRACKET - mounting, frame, right-hand and left-hand	2
20	627-12030	BOLT - hex, full threads, 12 - 1.75 x 30 mm, class 10.9	4
21	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	4
22	827-16110	BOLT - hex, 16 - 2.0 x 110 mm, class 10.9	2
23	495-81259	WASHER - flat, 21/32 x 2 x 1/4 inch	2
24	186977A1	WASHER - flat, special	4
25	D138565	INSULATOR - mounting, frame, lower, front	4
26	829-1416	NUT - hex, 16 mm - 2.0, class 10	2
27	180578A1	BOLT - special.	2
28	A141451	MOUNT - rubber, frame, rear	2
29	186977A1	WASHER - flat, special	2
30	829-1416	NUT - hex, 16 mm - 2.0, class 10	2

9-92



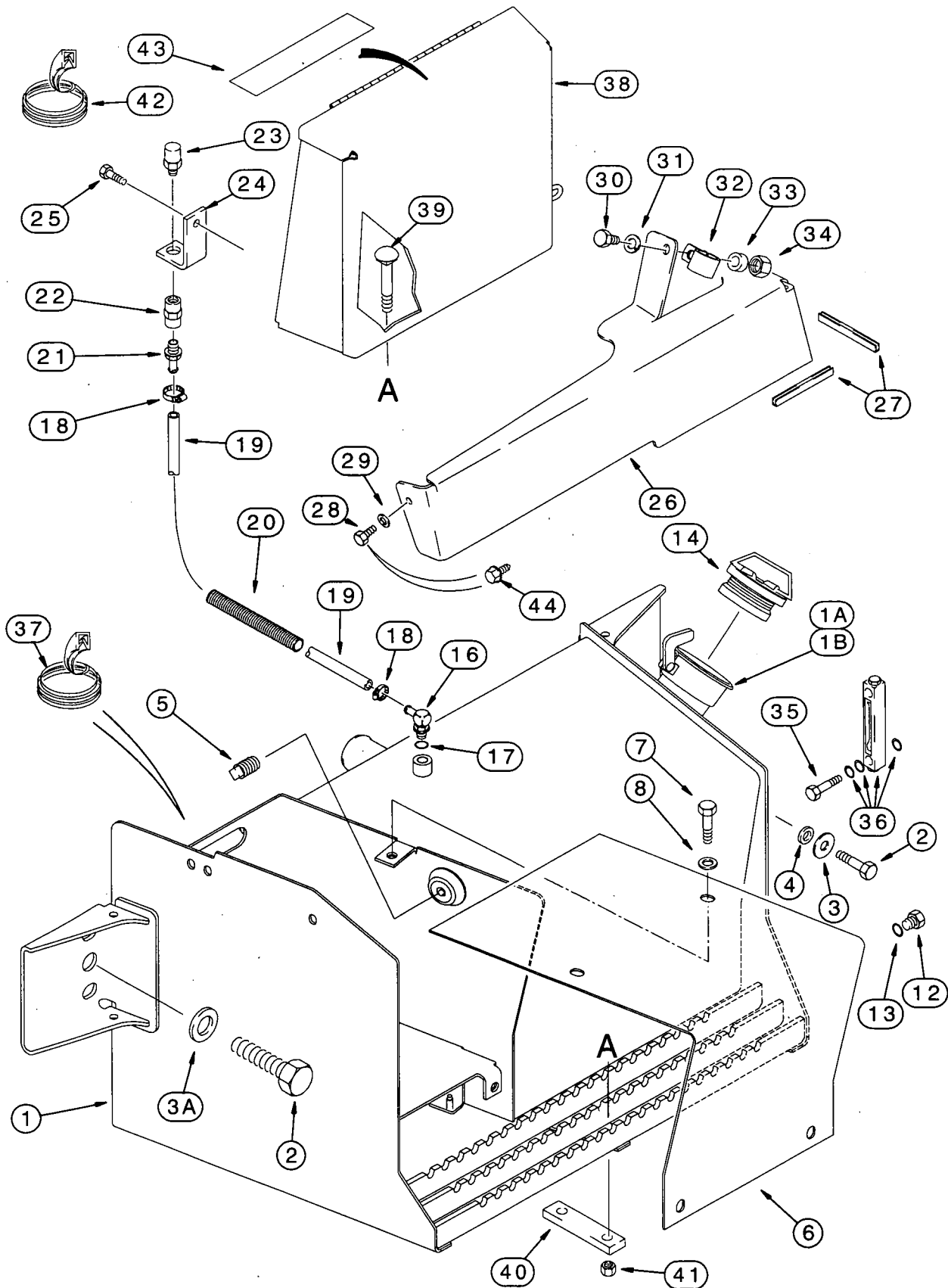
570LXT and 580L Series 2
9-93
**BATTERY BOX, HYDRAULIC OIL TANK
AND RIGHT-HAND STEP**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	283325A3	TANK - hydraulic oil, right-hand side of chassis	1
1A	230857A1	SCREEN - strainer, fill tube	1
1B	440-1066	SCREW - machine, pan Phillips, No. 6 NC x 3/8 inch	2
2	627-20040	BOLT - hex, full threads, 20 - 2.5 x 40 mm, class 10.9	4
3	302358A1	WASHER - flat, hardened, special, right-hand side of tank	2
3A	896-11020	WASHER - flat, 22 x 37 x 4 mm, hardened, left-hand side of tank	2
4	185926A1	SPACER - bushing, right-hand side of tank	2
5	217-436	PLUG - hex socket headless, 3/8 inch PT, if used	1
6	231656A1	COVER - battery, 3 mm thick	1
7	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	4
8	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	4
12	218-5211	PLUG - hex socket, 7/8-14 inch O-ring boss, drain	1
13	237-6010	O-RING - 3/4 ID x 3/32 inch wide	1
14	138595A1	CAP - hydraulic oil tank, nonvented	1
16	217-347	ELBOW - 90 degree, 3/8 stem end x 9/16-18 inch adj O-ring boss	1
17	237-6006	O-RING - 15/32 ID x 5/64 inch wide	1
18	214-1406	CLAMP - adj, 7/16 - 25/32 inch dia	2
19	143218A1	HOSE - 9.5 (3/8) x 15 (19/32) x 735 mm (28-15/16 inch) long, vent	1
20	143219A1	GUARD - hose sleeve	1
21	217-380	ADAPTER - straight, 3/8 inch stem end x PT	1
22	217-1102	COUPLING - pipe, 3/8 inch	1
23	120943A1	BREATHER - pressure vacuum, hydraulic oil tank	1
24	122603A1	BRACKET - breather mounting	1
25	121856A1	BOLT - hex washer, special, 10 - 1.5 x 30 mm	1
26	188008A3	COVER - right-hand loader lift frame tubing, mounted above hydraulic oil tank, replaces 188008A2 cover.	1
27	*191047A1	TRIM - edge, 315 mm (12-13/32 inch) long	1
28	614-8016	BOLT - hex, full threads, 8 - 1.25 x 16 mm, if used	1
29	895-15008	WASHER - flat, 9 x 20 x 1.6 mm, if used	1
30	814-10045	BOLT - hex, 10 - 1.5 x 45 mm	1
31	892-11010	WASHER - lock, 10 mm	1
32	D138055	CLAMP - tube	1
33	120303A1	SPACER - clamp	1
34	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1

***NOTE:** Apply 75 mm (3 inch) of trim to front lower edge and 240 mm (9-7/16 inch) of trim to outside lower edge of cover.

Continued on next page

9-94

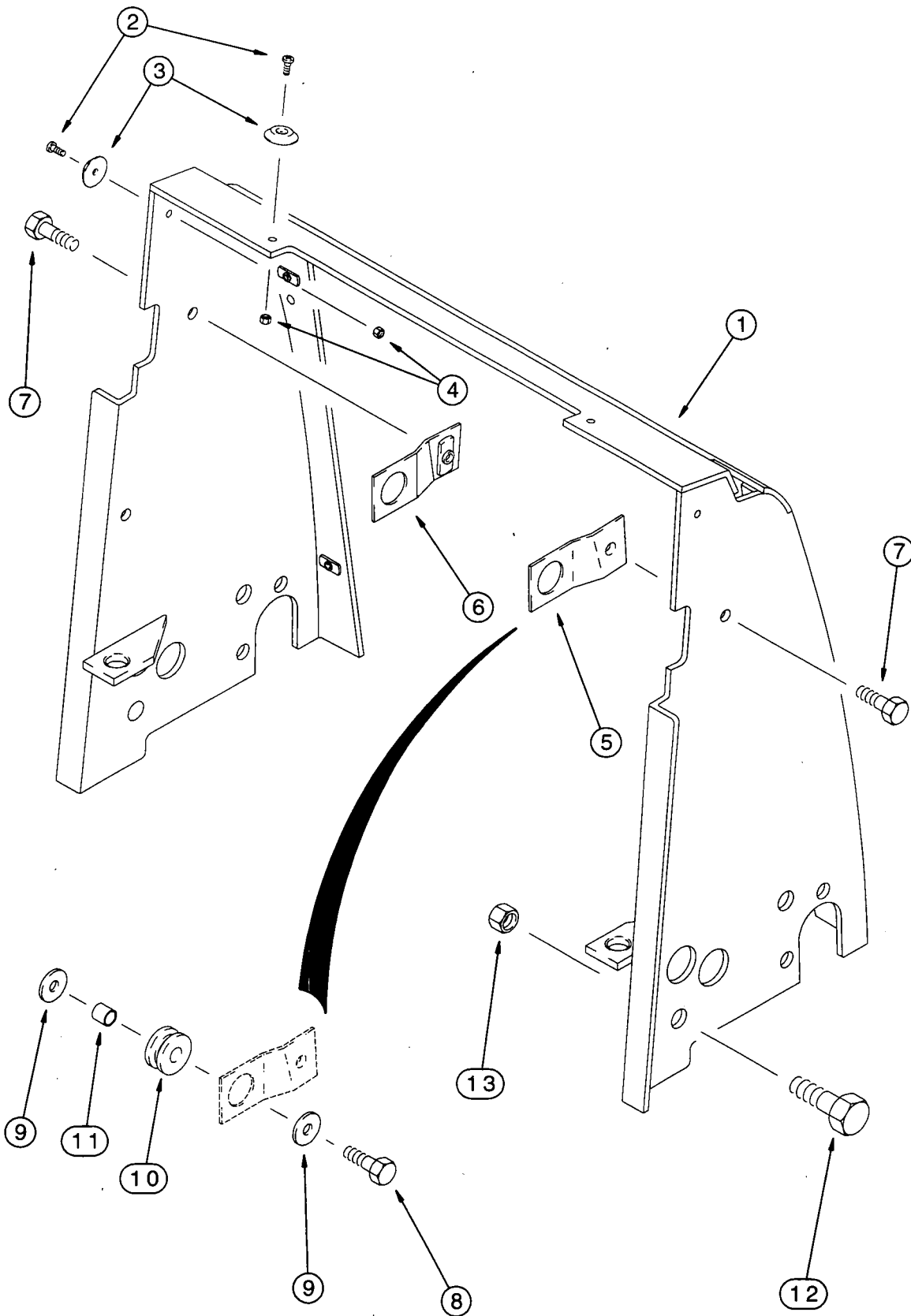


570LXT and 580L Series 2
BATTERY BOX, HYDRAULIC OIL TANK
AND RIGHT-HAND STEP

9-95

REF.	PART NO.	DESCRIPTION	REQ'D.
35	B17576	SEALANT - gasket, RTV No. 595, clear, 300 ml tube	1
36	226456A1	GAUGE ASSEMBLY - sight, hydraulic oil, full/cold lettering, aluminum, includes two hollow head bolts and four O-rings which are not serviced separately, used with Ref 35 sealant.	1
37	D40442	TRIM - edge, 305 mm (12 inch) long, cut from F42827 bulk trim	1
38	284223A1	BOX - tool	1
39	811-10070	BOLT - carriage, 10 - 1.5 x 70 mm	4
40	280164A1	PLATE - mounting	2
41	832-10410	NUT - hex, self-locking, 10 mm - 1.5	4
42	D40442	TRIM - edge, 305 mm (12 inch) long, cut from F42827 bulk trim	1
43	D55216	PAD - anti-skid, 2 x 9 inch	1
44	307577A1	BOLT - hex washer, self-aligning, 8 - 1.25 x 20 mm	1
	F42827	TRIM - edge, bulk, 2946 mm (116 inch) long	UAR

9-96



570LXT and 580L Series 2

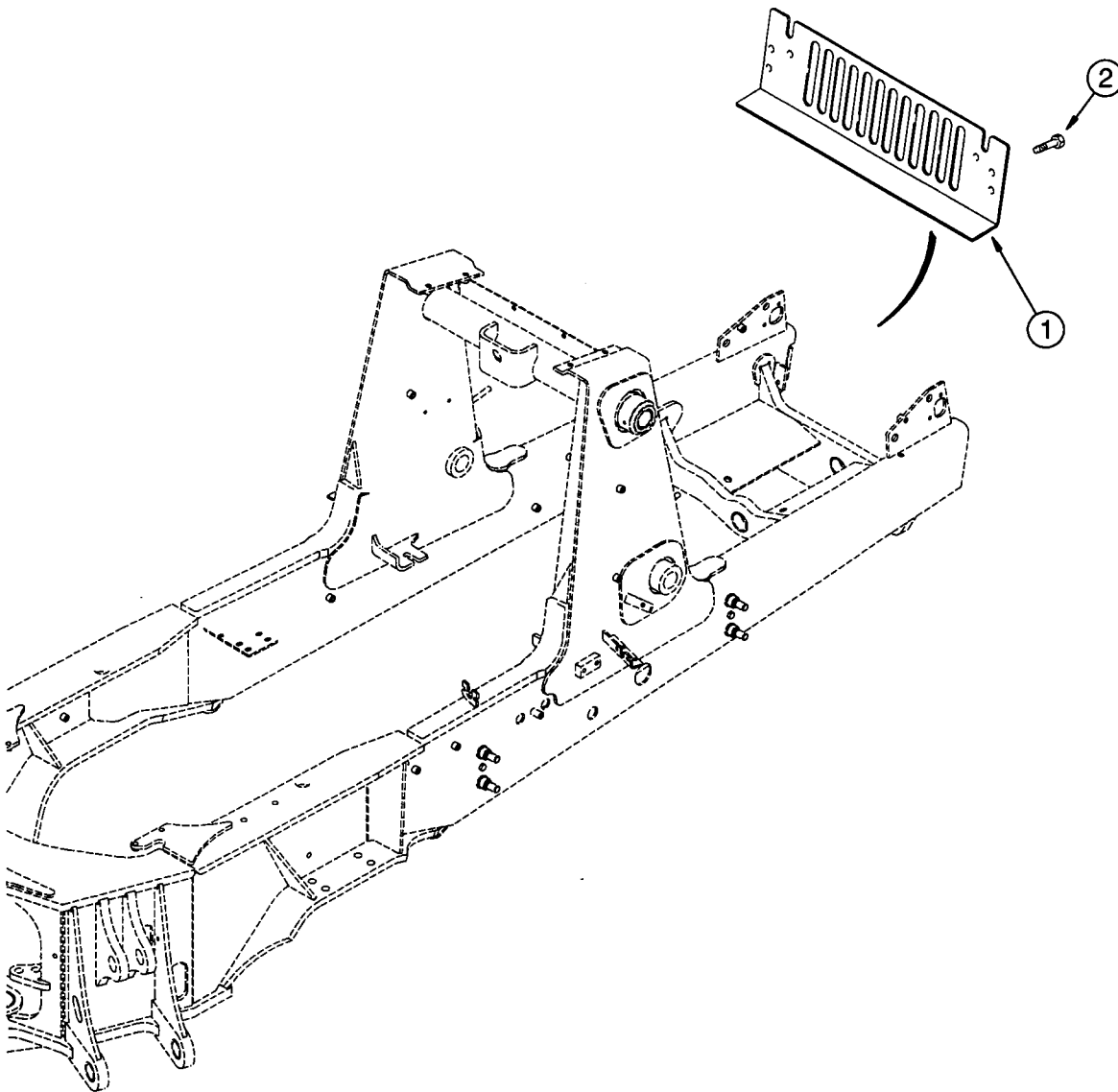
9-97

RADIATOR WRAPPER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	139494A2	SHROUD - radiator wrapper	1
2	440-11010	SCREW - machine, pan Phillips, No. 10 NC x 5/8 inch	4
3	109879A1	SPACER - plastic, hood.	4
4	231-14109	NUT - hex, self-locking, No. 10 NC	4
5	176952A1	BRACKET - right-hand upper radiator mounting to shroud	1
6	176957A1	BRACKET - left-hand, upper radiator mounting to shroud	1
7	614-10020	BOLT - hex, full threads, 10 - 1.5 x 20 mm	2
8	614-10035	BOLT - hex, full threads, 10 - 1.5 x 35 mm	2
9	K691987	WASHER - flat, special	4
10	D132895	GROMMET - upper radiator to shroud mounting.	2
11	D146035	SPACER - upper radiator to shroud	2
12	614-20040	BOLT - hex, full threads, 20 - 2.5 x 40 mm	4
13	829-1420	NUT - hex, 20 mm - 2.5, class 10	4

NOTE: See page 2-3 or 2-5 for radiator mounting parts.

9-98



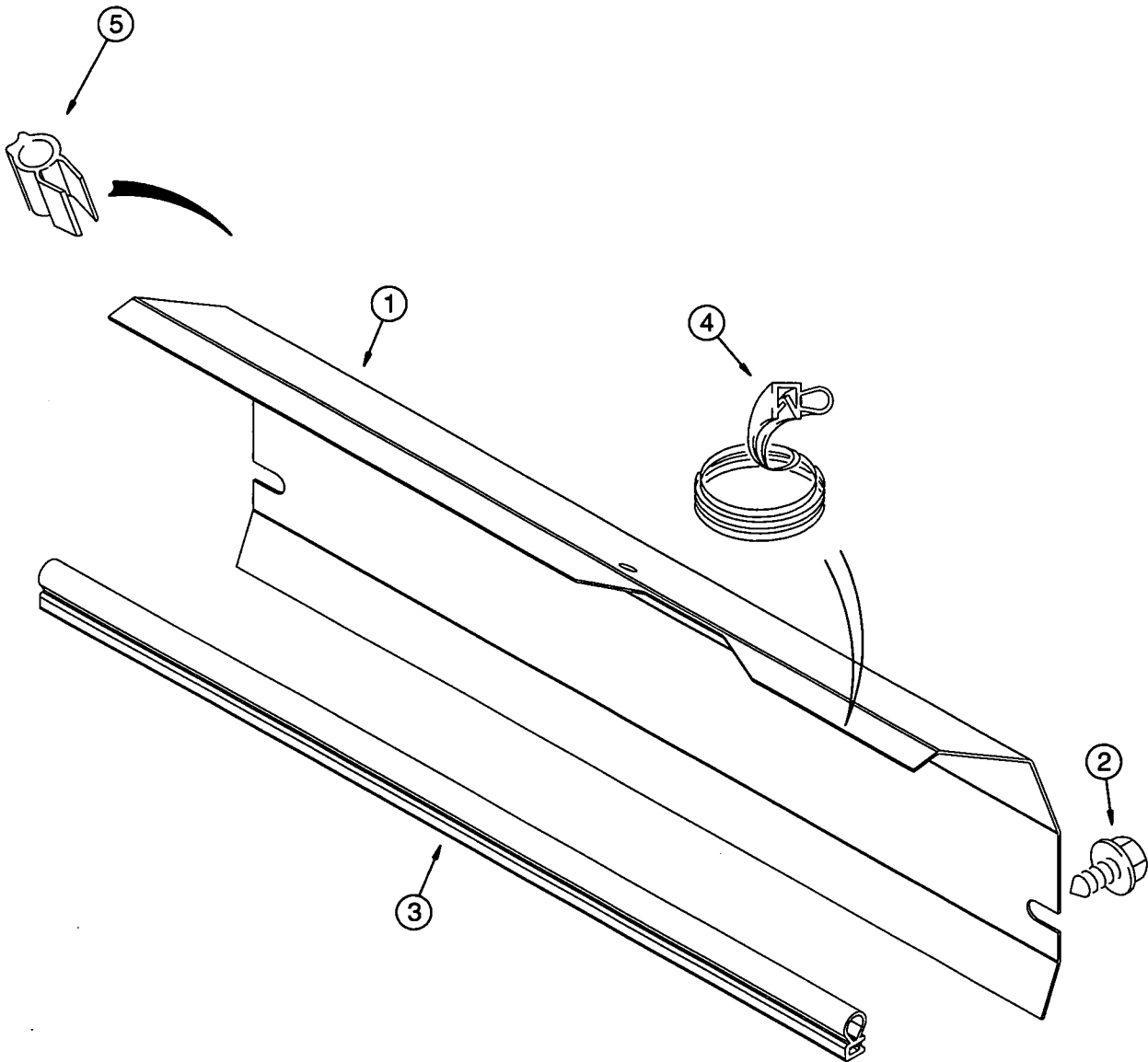
570LXT and 580L Series 2

9-99

PUMP GUARD

REF.	PART NO.	DESCRIPTION	REQ'D.
1	229676A1	GUARD - pump, plate, if used	1
2	121856A1	BOLT - hex washer, special, 10 - 1.5 x 30 mm	2

9-100



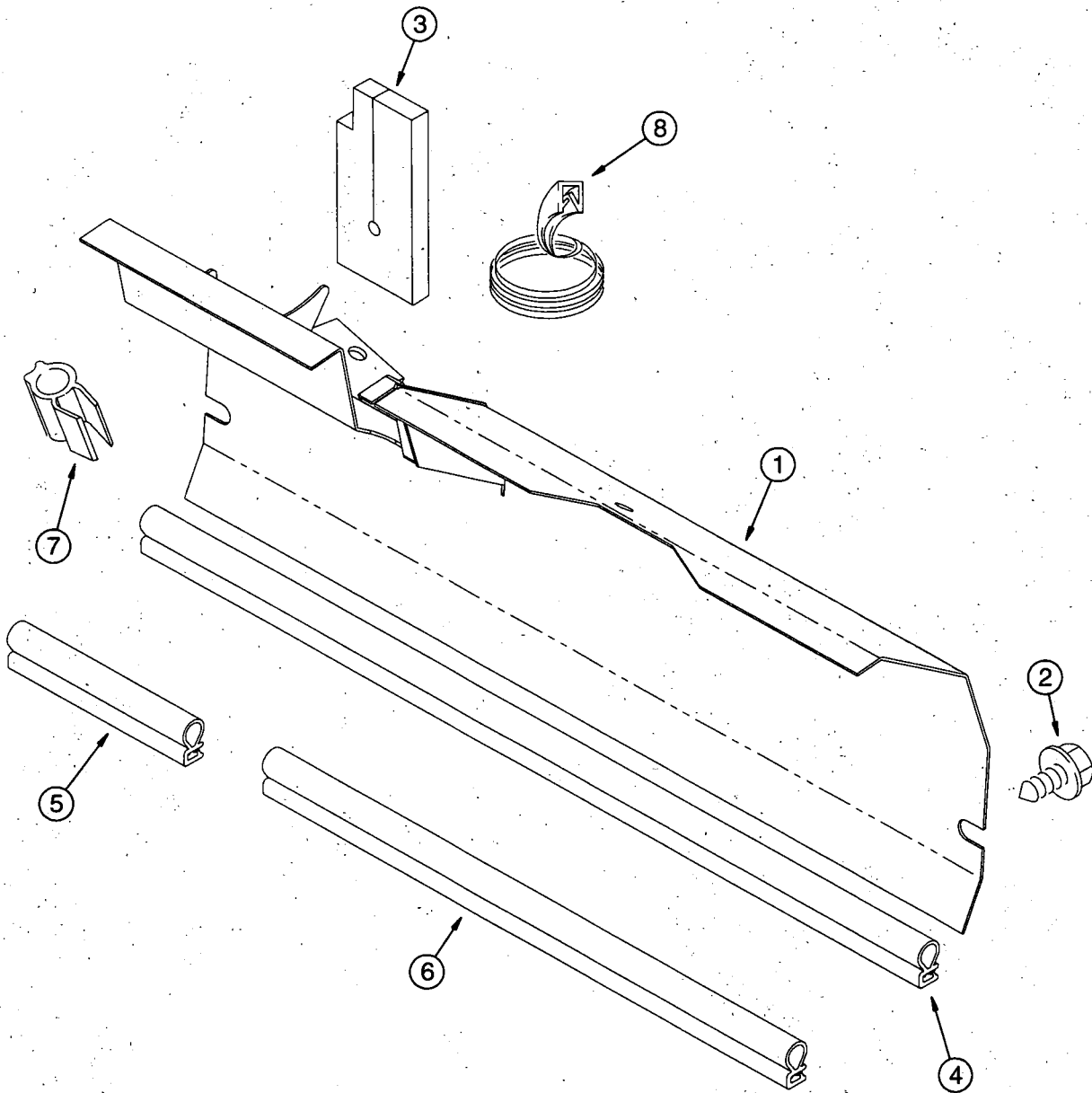
570LXT and 580L Series 2

9-101

**BAFFLE PLATE AND SEALS
WITHOUT AIR CONDITIONING**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	241172A1	PLATE - baffle, standard radiator, if used	1
2	121856A1	BOLT - hex washer, special, 10 - 1.5 x 30 mm	2
3	245450A1	TRIM - edge, 571 mm (22-1/2 inch) long	1
4	277664A1	TRIM - edge, 575 mm (22-5/8 inch) long	1
5	185493A1	TRIM - edge, 160 mm (6-5/16 inch) long, cut from 137315A1 bulk trim	2
	137315A1	TRIM - edge, bulk, 900 mm (35-7/16 inch) long	1

9-102

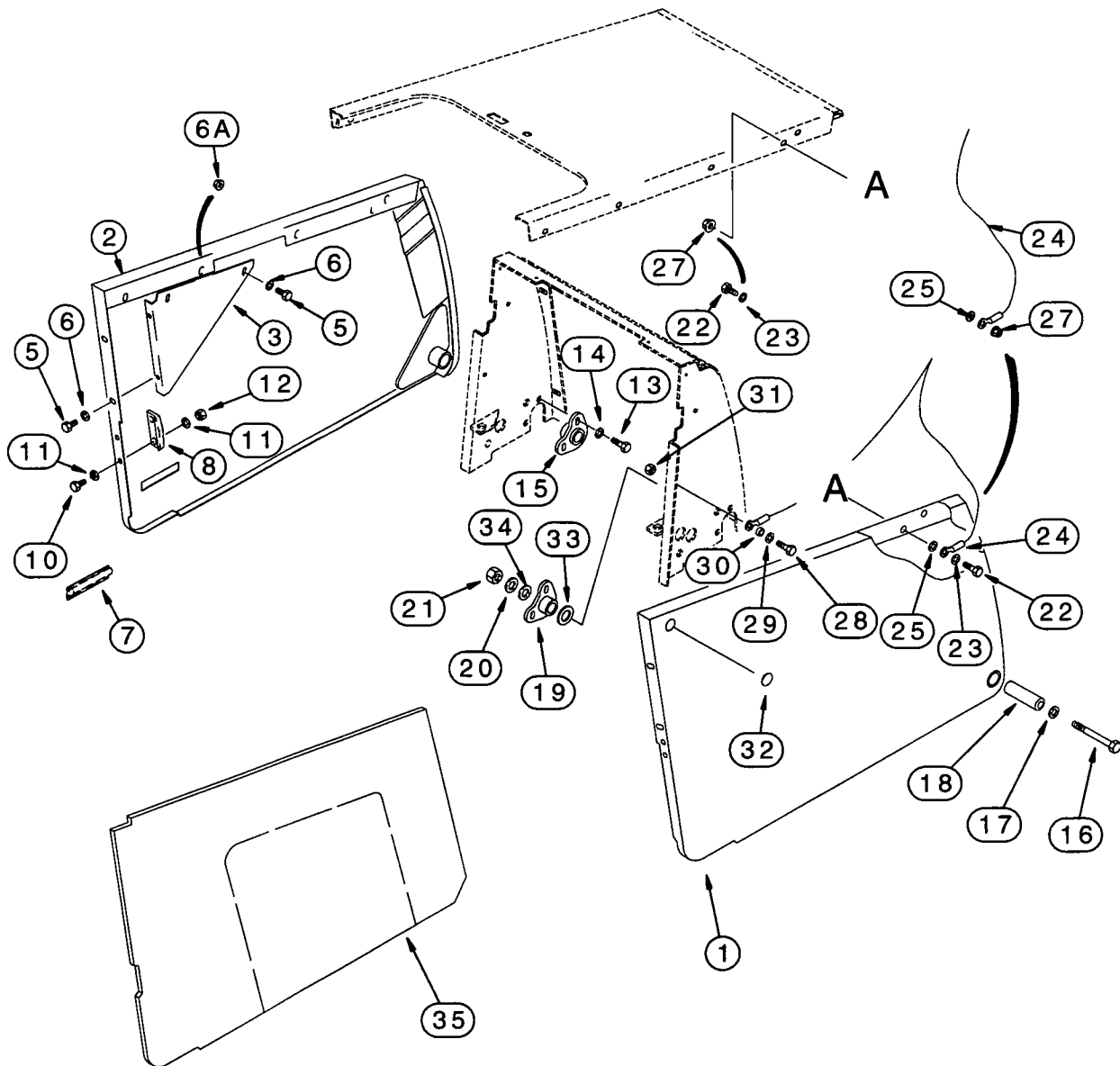


570LXT and 580L Series 2
BAFFLE PLATE AND SEALS
WITH AIR CONDITIONING

9-103

REF.	PART NO.	DESCRIPTION	REQ'D.
1	245011A1	PLATE - baffle, heavy duty, if used	1
2	121856A1	BOLT - hex washer, special, 10 - 1.5 x 30 mm	2
3	305690A1	SEAL - foam, adhesive-backed	1
4	245450A1	TRIM - edge, 571 mm (22-1/2 inch) long	1
5	246063A1	TRIM - edge, 170 mm (6-11/16 inch) long, cut from 233749A1 bulk trim	1
6	246064A1	TRIM - edge, 365 mm (14-3/8 inch) long, cut from 233749A1 bulk trim	1
7	185493A1	TRIM - edge, 160 mm (6-5/16 inch) long, cut from 137315A1 bulk trim	2
8	D36179	TRIM - edge, 108 mm (4-1/2 inch) long, cut from F42827 bulk trim	1
	F42827	TRIM - edge, bulk, 2946 mm (116 inch) long	1
	137315A1	TRIM - edge, bulk, 900 mm (35-7/16 inch) long	1
	233749A1	TRIM - edge, bulk, 76200 mm (3000 inch or 250 feet) long	1

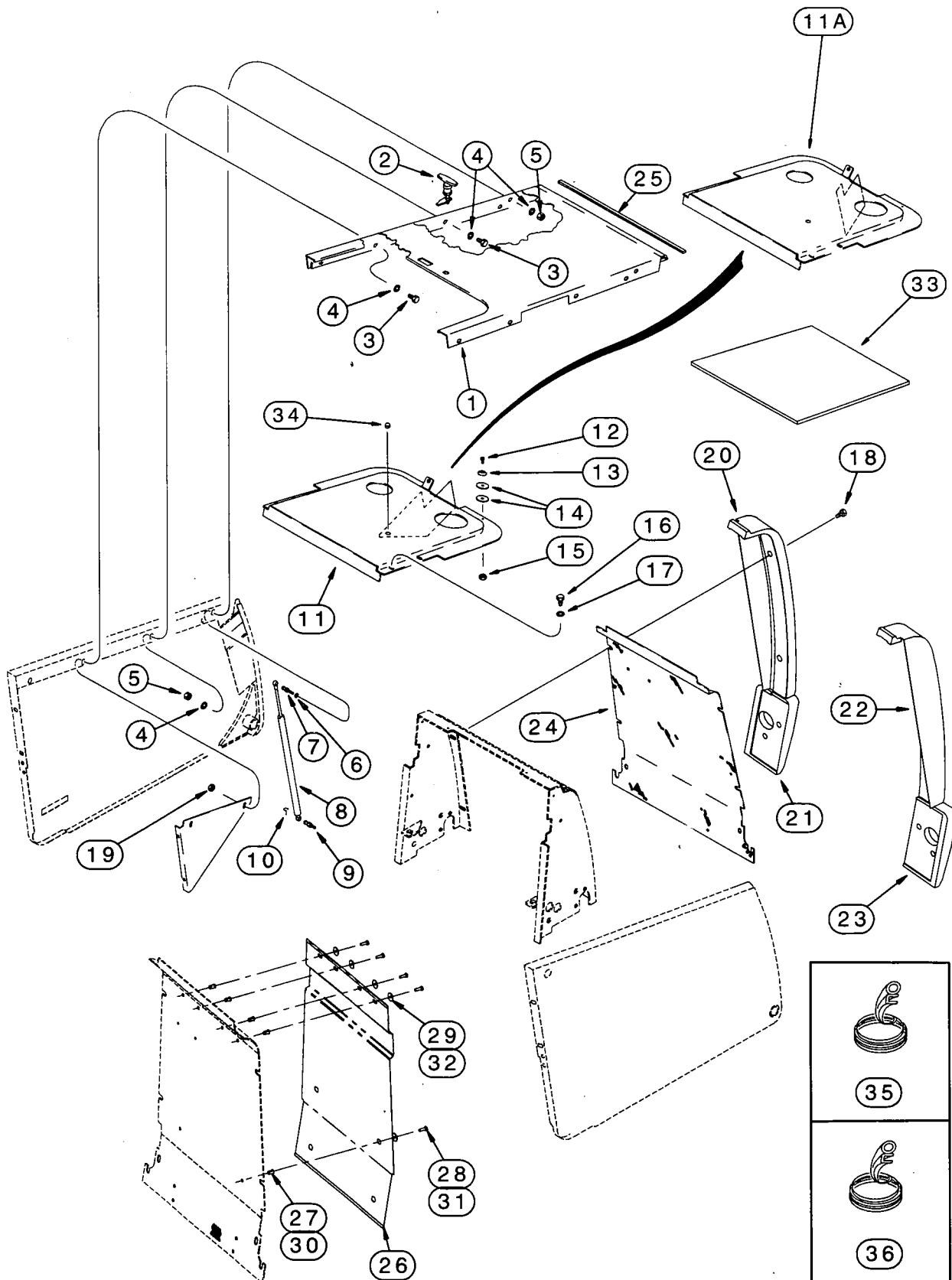
9-104



**570LXT and 580L Series 2
ENGINE SIDE PANELS****9-105**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	195975A2	PANEL - engine, right-hand side, not shown, see item 2 for notch area difference	1
2	195976A2	PANEL - engine, left-hand side	1
3	139492A1	BRACE - side panel, left-hand	1
4	139490A1	BRACE - side panel, right-hand, not shown	1
5	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	8
6	895-11010	WASHER - flat, 11 x 20 x 2 mm	8
6A	825-2410	NUT - hex flange, 10 mm - 1.5	4
7	183168A1	HANDLE - side panel, left-hand	1
8	D143715	BRACKET - side panel, left-hand	1
9	D143714	BRACKET - side panel, right-hand, not shown	1
10	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	4
11	895-11010	WASHER - flat, 11 x 20 x 2 mm	8
12	832-10410	NUT - hex, self-locking, 10 mm - 1.5	4
13	121856A1	BOLT - hex washer, special, 10 - 1.5 x 30 mm	4
14	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	4
15	139835A1	PLATE - pivot, left-hand	1
16	814-12110	BOLT - hex, 12 - 1.75 x 110 mm	2
17	896-15012	WASHER - flat, 13.5 x 28 x 4 mm, hardened	2
18	140428A1	TUBE - pivot	2
19	139834A1	PLATE - pivot, right-hand	1
20	896-15012	WASHER - flat, 13.5 x 28 x 4 mm, hardened	2
21	829-1412	NUT - hex, 12 mm - 1.75, class 10	2
22	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
23	895-11010	WASHER - flat, 11 x 20 x 2 mm	1
24	144908A1	CABLE - hood retaining	1
25	D143417	SPACER - 10 ID x 16 OD x 6 mm long, cable	1
27	825-2410	NUT - hex flange, 10 mm - 1.5	1
28	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
29	895-11010	WASHER - flat, 11 x 20 x 2 mm	1
30	D143417	SPACER - 10 ID x 16 OD x 6 mm long, cable	1
31	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
32	D140267	PLUG - side panel	2
33	495-11106	WASHER - flat, 1-1/16 x 2 x 1/8 inch	2
34	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened	2
35	297837A1	PANEL - noise reduction, insulation, left-hand side	1
36	297836A1	PANEL - noise reduction, insulation, right-hand side, not shown	1

9-106



570LXT and 580L Series 2**9-107****TILT HOOD, UPRIGHT COVER, GRILLE UNIT
AND CHAFF SCREEN**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	139486A2	HOOD - engine, tilt	1
2	175599A1	LATCH - hood	1
3	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	10
4	895-11010	WASHER - flat, 11 x 20 x 2 mm	14
5	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	8
6	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
7	139362A1	STUD - upper ball, 10 mm - 1.5	2
8	114980A1	CYLINDER - spring, counterbalance, hood	2
9	139363A1	STUD - lower ball	2
10	F44883	RETAINER - lock, ball stud retainer	4
11	292784A1	COVER - chassis upright, without turbocharged engine	1
11A	292785A2	COVER - chassis upright, with turbocharged engine	1
12	440-11012	SCREW - machine, pan Phillips, No. 10 NC x 3/4 inch	2
13	109879A1	SPACER - plastic, hood spacer	2
14	185325A1	WASHER - spacer	4
15	231-14109	NUT - hex, self-locking, No. 10 NC	2
16	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	4
17	895-11010	WASHER - flat, 11 x 20 x 2 mm	4
18	121856A1	BOLT - hex washer, special, 10 - 1.5 x 30 mm	8
19	825-2410	NUT - hex flange, 10 mm - 1.5	4
20	139502A1	BUMPER - grille, left-hand upper	1
21	244287A1	BUMPER - grille, left-hand lower	1
22	139500A1	BUMPER - grille, right-hand upper	1
23	244286A1	BUMPER - grille, right-hand lower	1
24	229398A2	GRILLE - radiator shroud, see page 9-139 for Case emblem	1
25	233262A1	SEAL - foam, adhesive-backed, 20 (25/32) x 596 (23-15/32) x 6 mm (1/4 inch), with or without air conditioning, if used	1
26	253889A1	SCREEN - chaff	1
27	255447A1	INSERT - threaded, 1/4 inch, if used	10
28	257381A1	BOLT - hex, 1/4 NC x 3/4 inch, if used	8
29	257382A1	WASHER - flat, 1/4 inch, if used	8
30	255687A1	INSERT - threaded, No. 10, if used	10
31	140-107	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch, if used	8
32	185325A1	WASHER - spacer, flat, No. 10, if used	8
33	187389A1	PANEL - noise reduction, insulation	1
34	353-402	PLUG - button, 3/8 inch, models without windshield washer, if used	1
35	234923A1	TRIM - 150 mm (5-29/32 inch) long, hood, if used	2
36	246228A1	TRIM - 1040 mm (41 inch) long, hood, if used	2



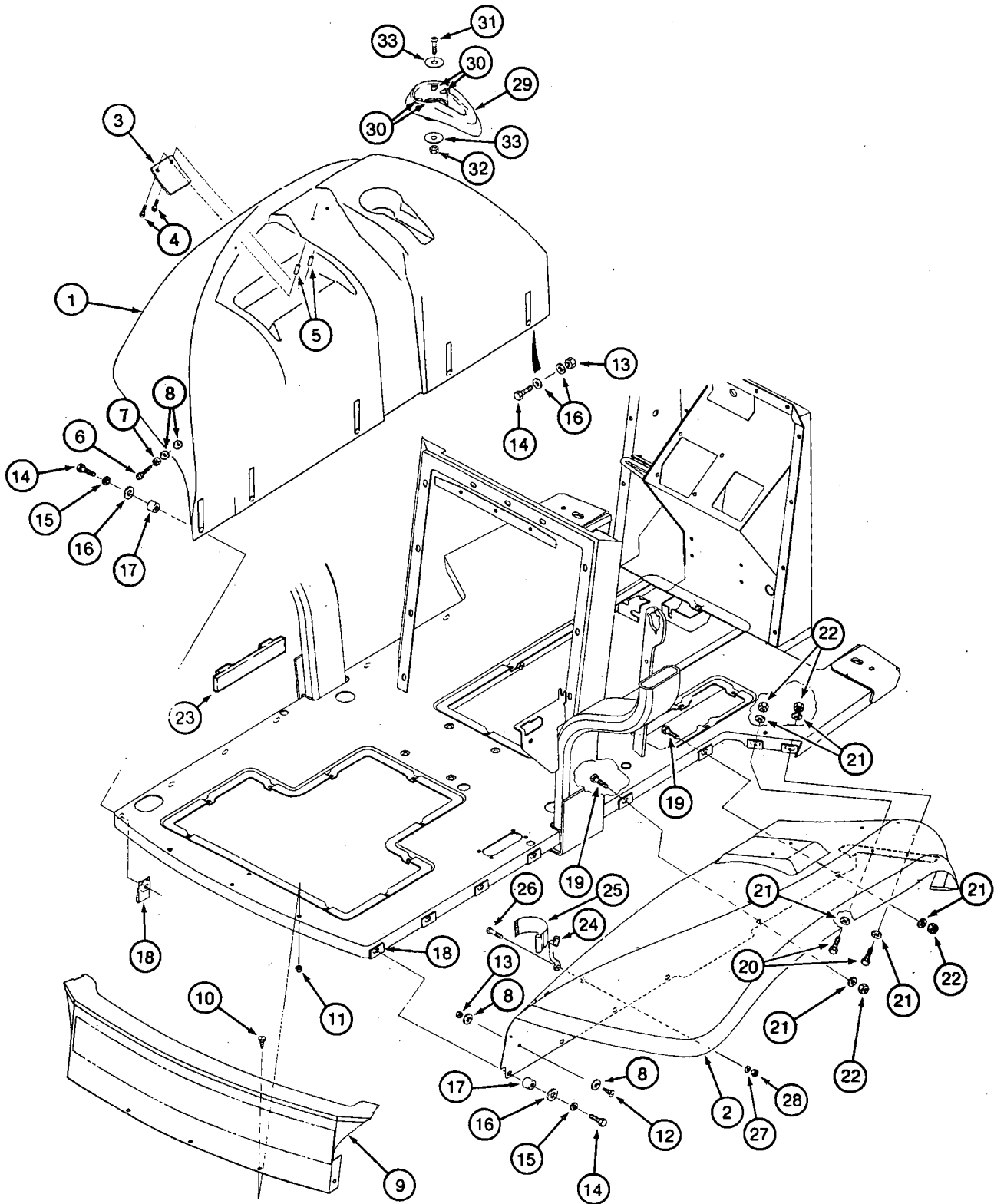
570LXT and 580L Series 2

9-109

FLOOR PLATES AND FLOORMATS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	234913A1	PLATE - floor, front cover	1
2	298449A1	PLATE - floor, rear cover	1
3	127377A1	PLATE - floor, loader control lever mounting	1
6	833-40406	NUT - U-type, 6 mm - 1.0	16-21
7	353-422	PLUG - button, 1-1/4 inch, nylon, used on models without clam bucket	1
8	127378A3	GROMMET - rubber, floor	1
9	243122A1	FLOORMAT - cab models, waffle backed	1
10	182296A1	PAD - foam, floormat, if used	1
12	280-16516	SCREW - self-tapping, hex washer head, No. 10 - 16 x 1 inch	4
15	225101A1	PLATE - floor, rear cover, 570LXT models	1
16	233724A1	BOLT - hex washer, self-aligning, 6 - 1.0 x 25 mm	19
17	223199A1	BRACKET - mounting, heater hoses, if used	1

9-110

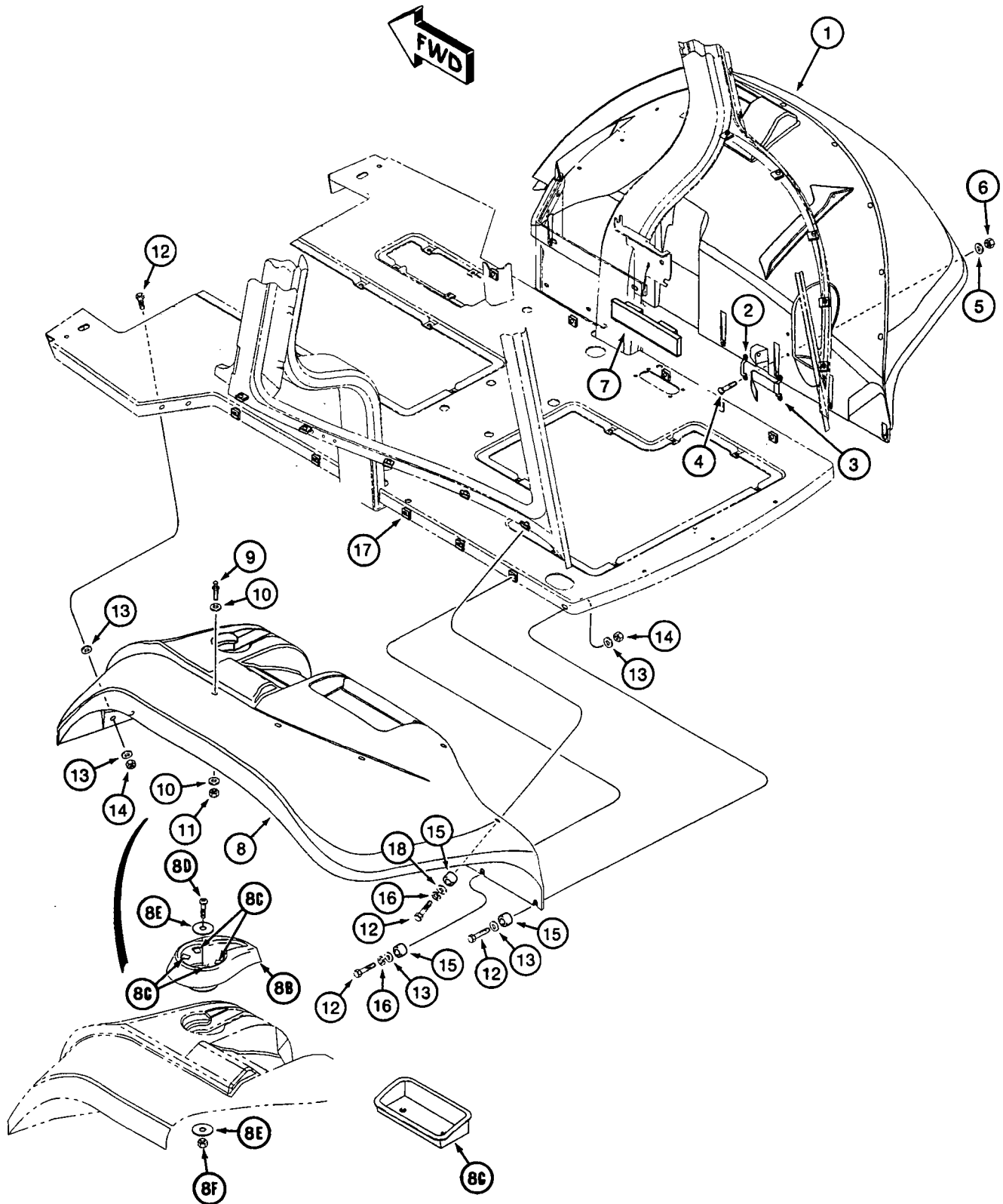


570LXT and 580L Series 2
9-111
REAR FENDERS AND REAR CLOSURE PANEL
570LXT OR 580L ROPS CANOPY MODELS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	133025A1	FENDER - left-hand, see page 9-115 for 570LXT fender supports.	1
2	133024A1	FENDER - right-hand, see page 9-115 for 570LXT fender supports.	1
3	141404A1	PLATE - fender support.	2
4	781-24830	BOLT - hex flange, self-tapping, 8 - 1.25 x 30 mm.	4
5	144282A1	SPACER - 16 x 10 mm long, fender support plate.	4
6	413-516	BOLT - hex, 5/16 NC x 1 inch.	2
7	492-11031	WASHER - lock, 5/16 inch.	2
8	495-21038	WASHER - flat, 3/8 x 7/8 x 3/32 inch.	8
9	136745A1	PANEL - rear closure, 580L models, see page 9-115 for 570LXT rear closure panel.	1
10	112865A1	SCREW - pointed, self-aligning, special, 5/16 NC x 13/16 inch.	3
11	425-285	NUT - hex flange, 5/16 inch NC.	3
12	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm.	2
13	832-10408	NUT - hex, self-locking, 8 mm - 1.25.	4
14	614-8030	BOLT - hex, full threads, 8 - 1.25 x 30 mm.	10-14
15	892-11008	WASHER - lock, 8 mm.	10-12
16	495-81001	WASHER - flat, 3/8 x 1-1/8 x 1/16 inch.	10-14
17	144282A1	SPACER - 16 x 10 mm long.	10-12
18	833-40408	NUT - U-type, 8 mm - 1.25.	12-16
19	614-8045	BOLT - hex, full threads, 8 - 1.25 x 45 mm, mud guard to fender, see page 9-117 for mud guard.	2
20	814-8035	BOLT - hex, 8 - 1.25 x 35 mm, mud guard to fender, see page 9-117 for mud guard.	2
21	895-11008	WASHER - flat, 9 x 17 x 1.6 mm.	6
22	832-10408	NUT - hex, self-locking, 8 mm - 1.25.	4
23	188482A1	SEAL - foam, fender.	2
24	*182594A1	BRACKET - velcro retainer.	2
25	*184726A1	STRAP - velcro, right-hand fender.	1
26	*842-1425	SCREW - machine, oval countersunk Phillips, 4 - 0.7 x 25 mm.	4
27	*895-11004	WASHER - flat, 4.4 x 9 x 0.8 mm.	4
28	*832-10404	NUT - hex, self-locking, 4 mm - 0.7.	4
29	303022A1	INSERT - coffee cup holder, black plastic liner, optional deluxe interior.	1
30	304061A1	BUMPER - rubber.	4
31	140-119	SCREW - machine, pan head Phillips, No. 10 NC x 1-1/4 inch.	1
32	231-14109	NUT - hex, self-locking, No. 10 NC.	1
33	495-61020	WASHER - flat, 13/64 x 3/4 x 1/16 inch.	2

***NOTE:** Not used on 570LXT models.

9-112

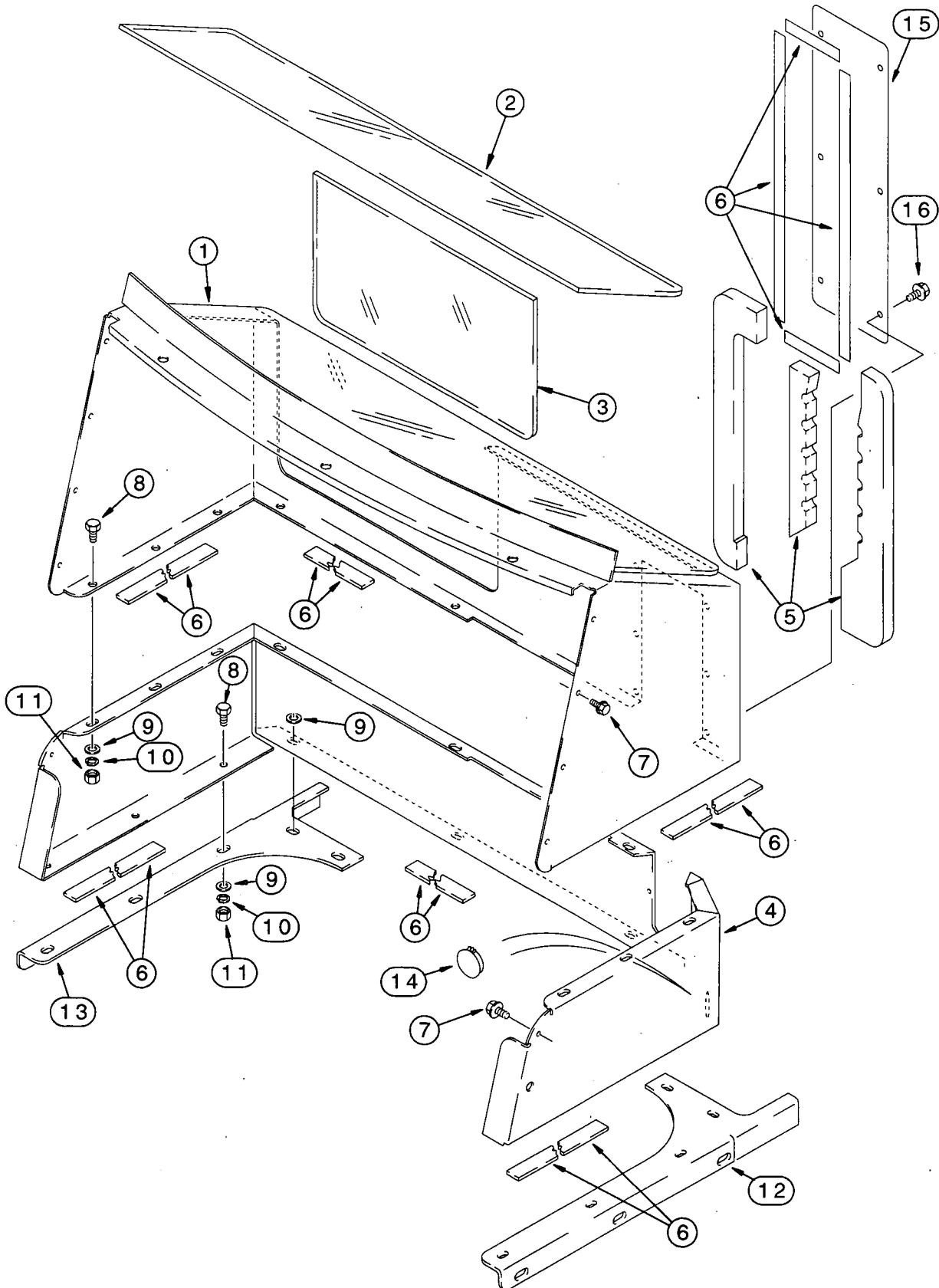


570LXT and 580L Series 2
9-113
REAR FENDERS
CAB MODELS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	132134A1	FENDER - right-hand, gray, for hardware mounting the front of the fender, see mud guard page 9-117	1
1A	181457A2	PANEL - fender, right-hand upper, gray vinyl, optional deluxe interior, not shown, no longer used.	1
1B	131975A2	PANEL - fender, right-hand lower, gray vinyl, optional deluxe interior, not shown	1
2	*182594A1	BRACKET - velcro retainer	2
3	*184726A1	STRAP - velcro, right-hand cab fender	1
4	*842-1425	SCREW - machine, oval countersunk Phillips, 4 - 0.7 x 25 mm	4
5	*895-11004	WASHER - flat, 4.4 x 9 x 0.8 mm	4
6	*832-10404	NUT - hex, self-locking, 4 mm - 0.7	4
7	188482A1	SEAL - foam, ROPS post to fender	2
8	132133A1	FENDER - left-hand, gray	1
8A	304390A1	PANEL - fender, left-hand, gray vinyl, optional deluxe interior, not shown	1
8B	303022A1	INSERT - coffee cup holder, black plastic liner, optional deluxe interior	1
8C	304061A1	BUMPER - rubber	4
8D	140-119	SCREW - machine, pan head Phillips, No. 10 NC x 1-1/4 inch.	1
8E	495-61020	WASHER - flat, 13/64 x 3/4 x 1/16 inch.	2
8F	231-14109	NUT - hex, self-locking, No. 10 NC	1
8G	188411A2	INSERT - tool tray, black plastic liner, optional deluxe interior, not shown, see items 19 and 20 for screw and nut	1
8H	192274A2	COVER - left-hand fender at cab entrance, black plastic, optional deluxe interior, not shown, see items 19 and 20 for screw and nut	1
9	139362A1	STUD - upper ball, 10 mm - 1.5, left-hand fender	1
10	495-81002	WASHER - flat, 7/16 x 1-3/8 x 5/64 inch	2
11	832-10410	NUT - hex, self-locking, 10 mm - 1.5	1
12	614-8030	BOLT - hex, full threads, 8 - 1.25 x 30 mm	22
13	495-81001	WASHER - flat, 3/8 x 1-1/8 x 1/16 inch	16
14	832-10408	NUT - hex, self-locking, 8 mm - 1.25	4
15	144282A1	SPACER - 16 x 10 mm long, fender support plate	22
16	892-11008	WASHER - lock, 8 mm	18
17	833-40408	NUT - U-type, 8 mm - 1.25	20
18	495-21038	WASHER - flat, 3/8 x 7/8 x 3/32 inch.	10
19	140-107	SCREW - machine, pan head Phillips, No. 10 NC x 3/4 inch, retains tool tray and fender cover at cab entrance, not shown.	6
20	231-14109	NUT - hex, self-locking, No. 10 NC, used with item 19, not shown	6

*** NOTE:** Used on 580L cab models only.

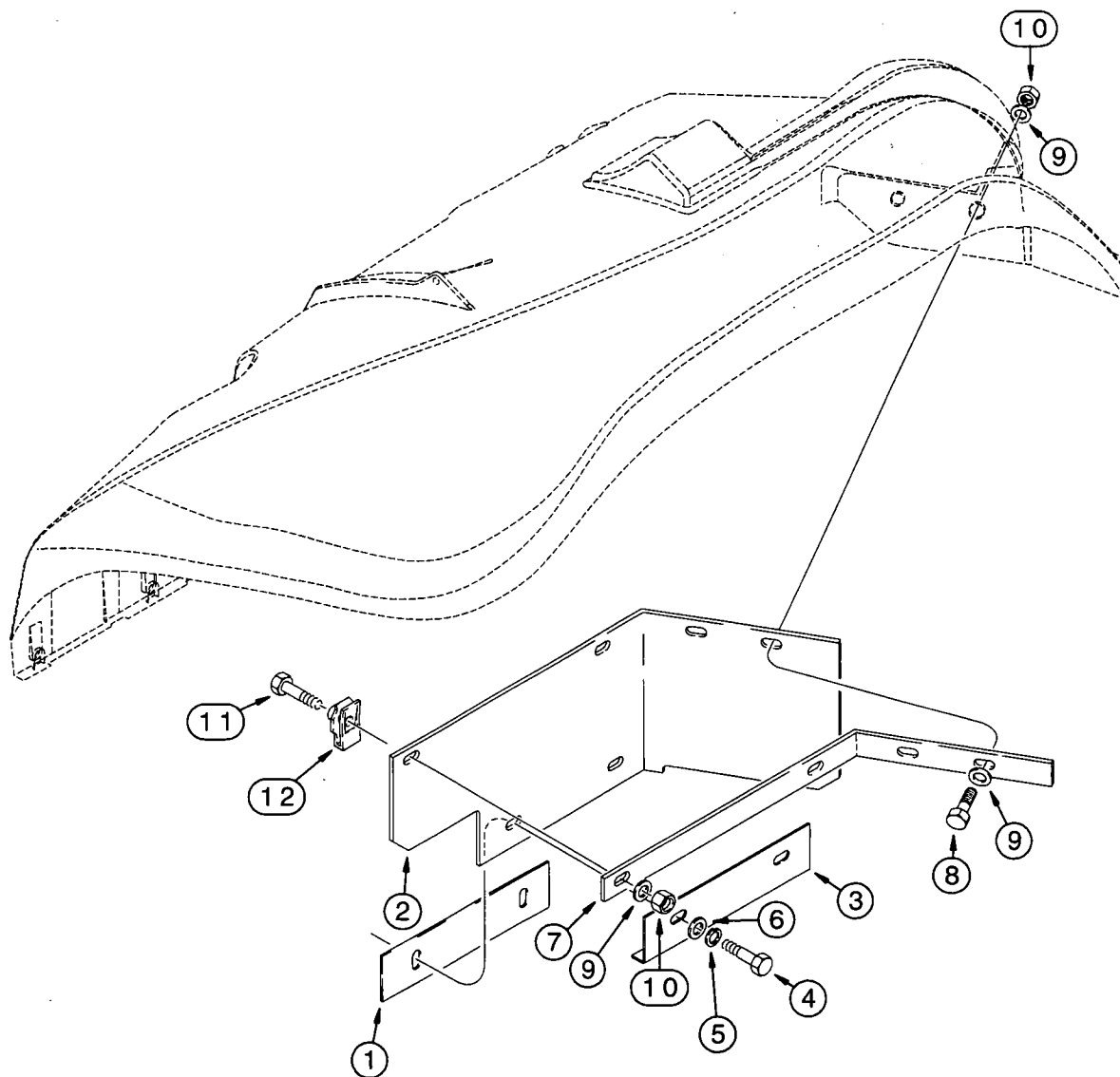
9-114



570LXT and 580L Series 2**9-115****REAR CLOSURE PANELS AND FENDER SUPPORTS****570LXT MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	143305A1	PANEL ASSEMBLY - upper, closure, cab models, includes Ref 1-3 panel and glass	1
2	177585A1	GLASS - upper, closure panel	1
3	177586A1	GLASS - lower, closure panel	1
4	139756A2	PANEL - lower, closure, used with item 1 panel on cab models or used alone on canopy models	1
5	183267A1	SEAL - foam, closure panel	1
6	183415A1	SEAL - adhesive-backed, 5000 mm (196-7/8 inch) long, cut as required	1
7	282-16512	SCREW - self-drilling tapping, hex washer head, No. 10-16 x 3/4 inch, Teflon.	10
8	614-8020	BOLT - hex, full threads, 8 - 1.25 x 20 mm	9-18
9	895-15008	WASHER - flat, 9 x 20 x 1.6 mm	9-21
10	892-11008	WASHER - lock, 8 mm	9-18
11	829-1408	NUT - hex, 8 mm - 1.25, class 10	9-18
12	139446A1	SUPPORT - right-hand fender, canopy models.	1
13	139448A1	SUPPORT - left-hand fender, canopy models.	1
14	353-415	PLUG - button, 1-1/2 inch, black, plastic	1
15	175854A1	PLATE - rear closure cover, used on models with rear counterweight	1
16	280-1478	SCREW - self-tapping, hex washer head, 1/4-14 x 1/2 inch	6

9-116



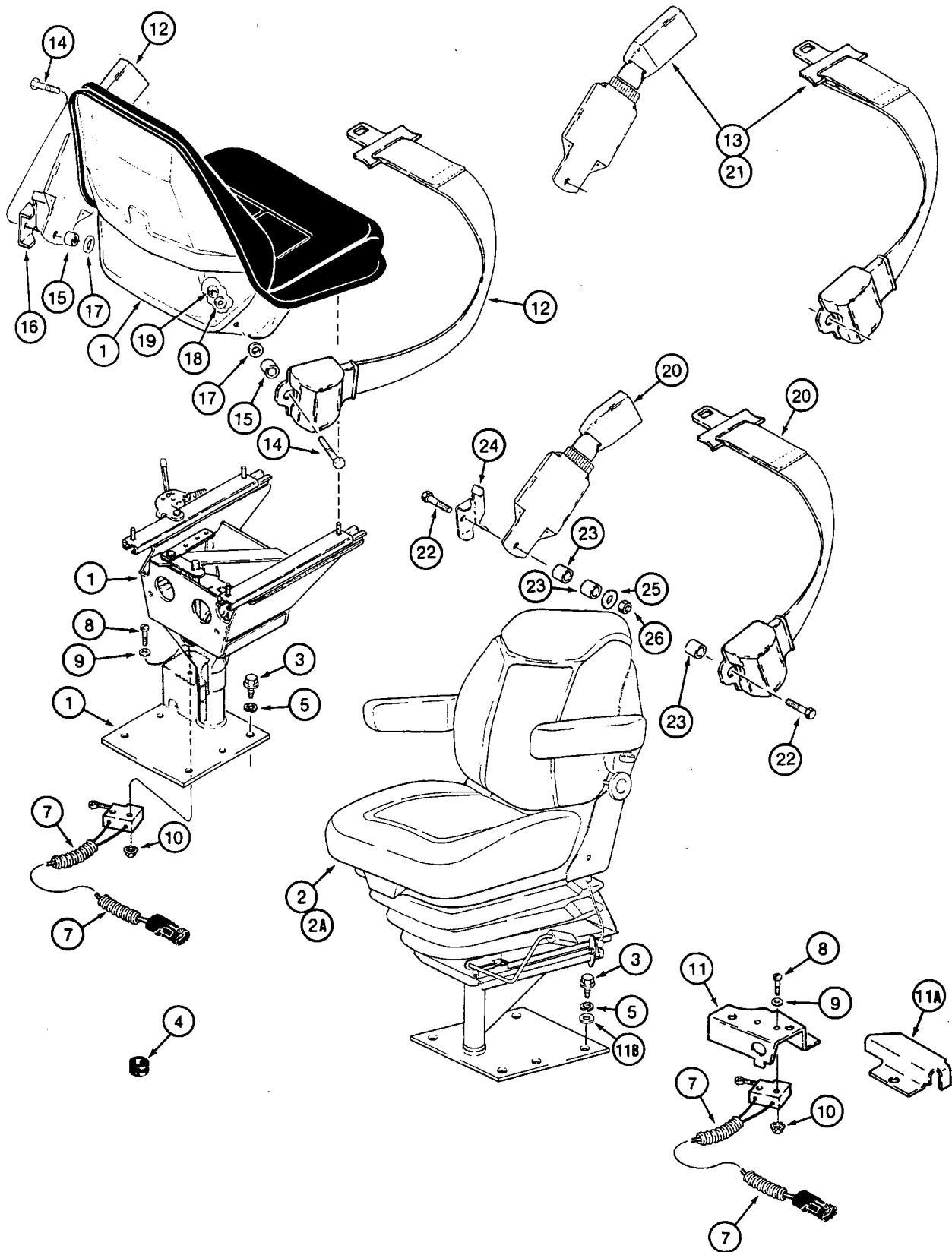
570LXT and 580L Series 2

9-117

MUD GUARD

REF.	PART NO.	DESCRIPTION	REQ'D.
1	137655A3	PLATE - reinforcement	1
2	182396A2	GUARD - mud, mounts at right-hand fender	1
3	136279A2	ANGLE - mud guard	1
4	614-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm	2
5	892-11010	WASHER - lock, 10 mm	2
6	895-11010	WASHER - flat, 11 x 20 x 2 mm	2
7	136280A1	ANGLE - mud guard	1
8	814-8035	BOLT - hex, 8 - 1.25 x 35 mm	2
9	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	6
10	832-10408	NUT - hex, self-locking, 8 mm - 1.25	4
11	614-8045	BOLT - hex, full threads, 8 - 1.25 x 45 mm	2
12	833-40408	NUT - U-type, 8 mm - 1.25, fender to frame	2

9-118



570LXT and 580L Series 2**9-119****SEATS AND MOUNTING PARTS****580L MODELS**

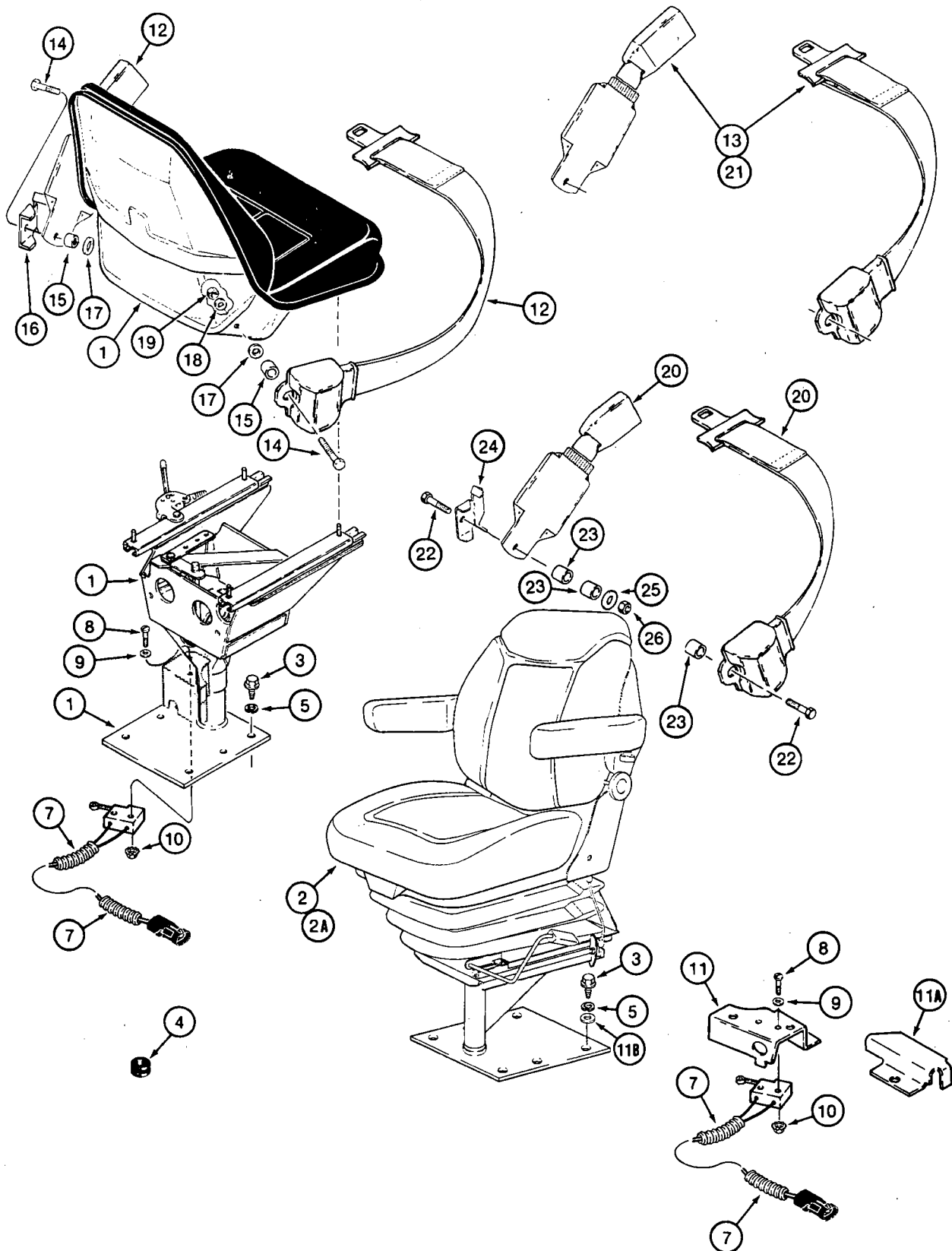
REF.	PART NO.	DESCRIPTION	REQ'D.
1	185156A1	SEAT ASSEMBLY - standard, gray vinyl, without armrests, includes seat, pedestal, and support, see parts list page 9-121 for seat and page 9-123 for support and pedestal	1
	275547A1	SEAT ASSEMBLY - air suspension, cloth, deluxe, complete, includes armrests, parts list pages 9-127D and 9-127F	1
	293021A1	SEAT ASSEMBLY - suspension, gray cloth, complete, includes armrests and mounting hardware (Ref 3-11 and 11B), without seat belts and hardware.	1
2	258313A1	SEAT ASSEMBLY - suspension, gray cloth, includes seat, suspension and pedestal, with armrests, parts list pages 9-125 - 9-127B	1
	293022A1	SEAT ASSEMBLY - suspension, gray vinyl, complete, includes armrests and mounting hardware (Ref 3-11 and 11B), without seat belts	1
2A	259071A1	SEAT ASSEMBLY - suspension, gray vinyl, includes seat, suspension and pedestal, with armrests, parts list pages 9-125 - 9-127B	1
	292262A1	KIT - left-hand armrest, included in 293021A1 or 293022A1 complete seat assembly, component parts not serviced separately	1
	292263A1	KIT - right-hand armrest, included in 293021A1 or 293022A1 complete seat assembly, component parts not serviced separately	1
3	614-12040	BOLT - hex, full threads, 12 - 1.75 x 40 mm, standard or suspension seat.	4
3	614-12030	BOLT - hex, full threads, 12 - 1.75 x 30 mm, deluxe air suspension seat	4
4	L77821	GROMMET - wire, standard or suspension seat.	1
5	892-11012	WASHER - lock, 12 mm	4
7	118769A1	SWITCH - limit, with harness, attaches to side console harness	1
8	470-10620	SCREW - machine, pan head slotted, No. 6 NC x 1-1/4 inch	2
9	495-31016	WASHER - flat, 5/32 x 3/8 x 3/64 inch.	2
10	193-1003	NUT - hex, with external tooth lock washer, No. 6 NC	2
11	119211A1	BRACKET - switch mounting, suspension seat only	1
11A	186351A1	BRACKET - harness guard, seat swivel	1
11B	896-11012	WASHER - flat, 13.5 x 24 x 3 mm, hardened, at switch bracket mounting	1

SEAT BELT MOUNTING - STANDARD SEAT

12	D150377	BELT - seat, 51 mm (2 inch) wide, if used.	1
13	R58418	BELT - seat, retractable, 76 mm (3 inch) wide, if used	1
14	414-724	BOLT - hex, 7/16 NF x 1-1/2 inch	2
15	D150391	SPACER - belt.	2
16	D150392	BRACKET - left-hand belt, outer	1
17	495-81169	WASHER - flat, 17/32 x 2-1/2 x 3/64 inch, not used on deluxe air seat	2
18	496-81010	WASHER - flat, 15/32 x 1 x 7/64 inch, hardened.	4
19	232-4617	NUT - hex, self-locking, 7/16 inch NF	2

Continued on next page

9-119A



570LXT and 580L Series 2
SEATS AND MOUNTING PARTS
580L MODELS

9-119B

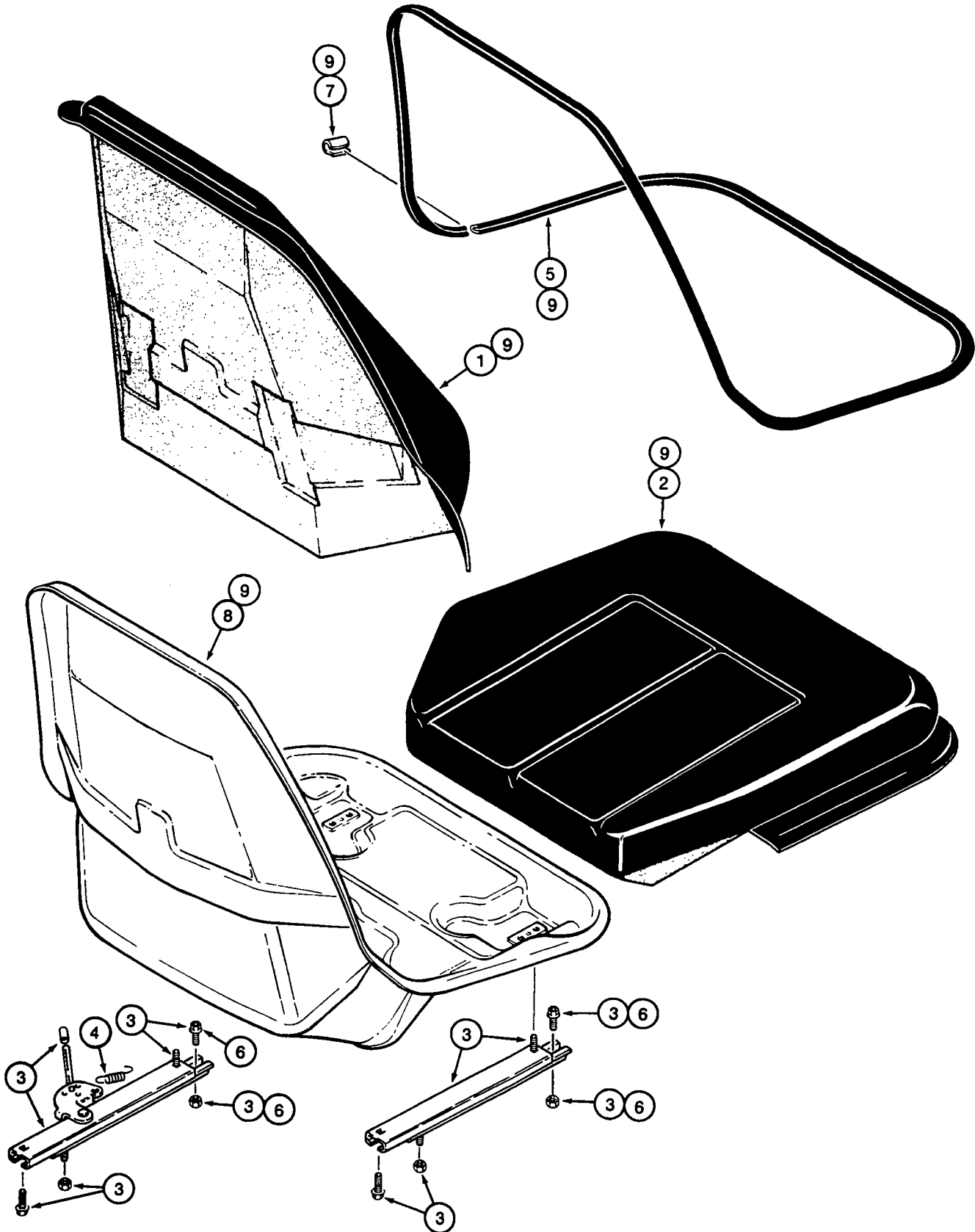
REF.	PART NO.	DESCRIPTION	REQ'D.

SEAT BELT MOUNTING - SUSPENSION SEAT

20	*D150377	BELT - seat, 51 mm (2 inch) wide, if used	1
21	*R58418	BELT - seat, retractable, 76 mm (3 inch) wide, if used	1
22	*414-724	BOLT - hex, 7/16 NF x 1-1/2 inch	2
23	*D150391	SPACER - belt	2
24	*D150392	BRACKET - left-hand belt, outer	1
25	*496-81010	WASHER - flat, 15/32 x 1 x 7/64 inch, hardened.	2
26	*232-4617	NUT - hex, self-locking, 7/16 inch NF	2

***NOTE:** Above parts are also used with the deluxe air suspension seat.

9-120



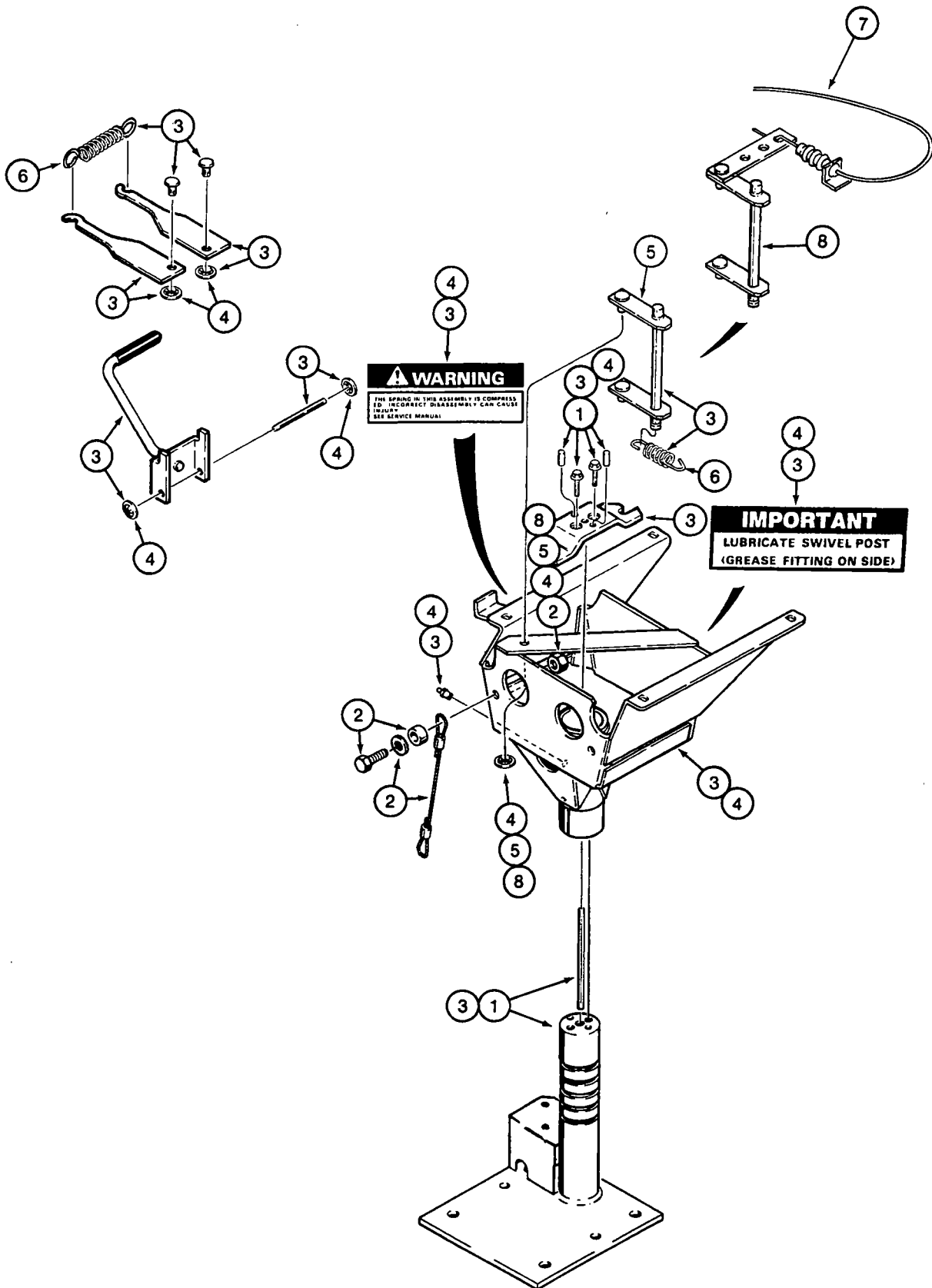
570LXT and 580L Series 2
STANDARD SEAT ASSEMBLY
580L MODELS

9-121

REF.	PART NO.	DESCRIPTION	REQ'D.
	185156A1	SEAT ASSEMBLY - standard, gray vinyl, not serviced as a complete assembly, for service order respective component kits, see page 9-123 for standard support and pedestal.	1
1	176926A1	KIT - backrest cushion, gray.	1
2	176925A1	KIT - seat cushion, gray	1
3	116760A1	KIT - adjuster, seat slide, fore/aft	1
4	119171A1	KIT - spring, seat adjuster slide, also includes vertical latch and extension springs used in the standard pedestal on page 9-123.	1
5	176924A1	TRIM - edging, gray, cushion to shell.	1
6	181169A1	KIT - cable, fore-aft/swivel mechanism, also includes cable on page 9-123	1
7	NSS	CLIP - retainer, order N7802 clip kit, see below	1
8	NSS	SHELL - seat frame, order 234223A1 shell, cushion and trim kit, Ref 9	1
9	234223A1	KIT - seat shell, cushion and trim, includes Ref 1, 2, 5 and 8	1
	N7802	KIT - clip, includes item 7 clip above, plus 6 additional narrow clips	1

NOTE: Each kit includes an instruction sheet.

9-122



570LXT and 580L Series 2

9-123

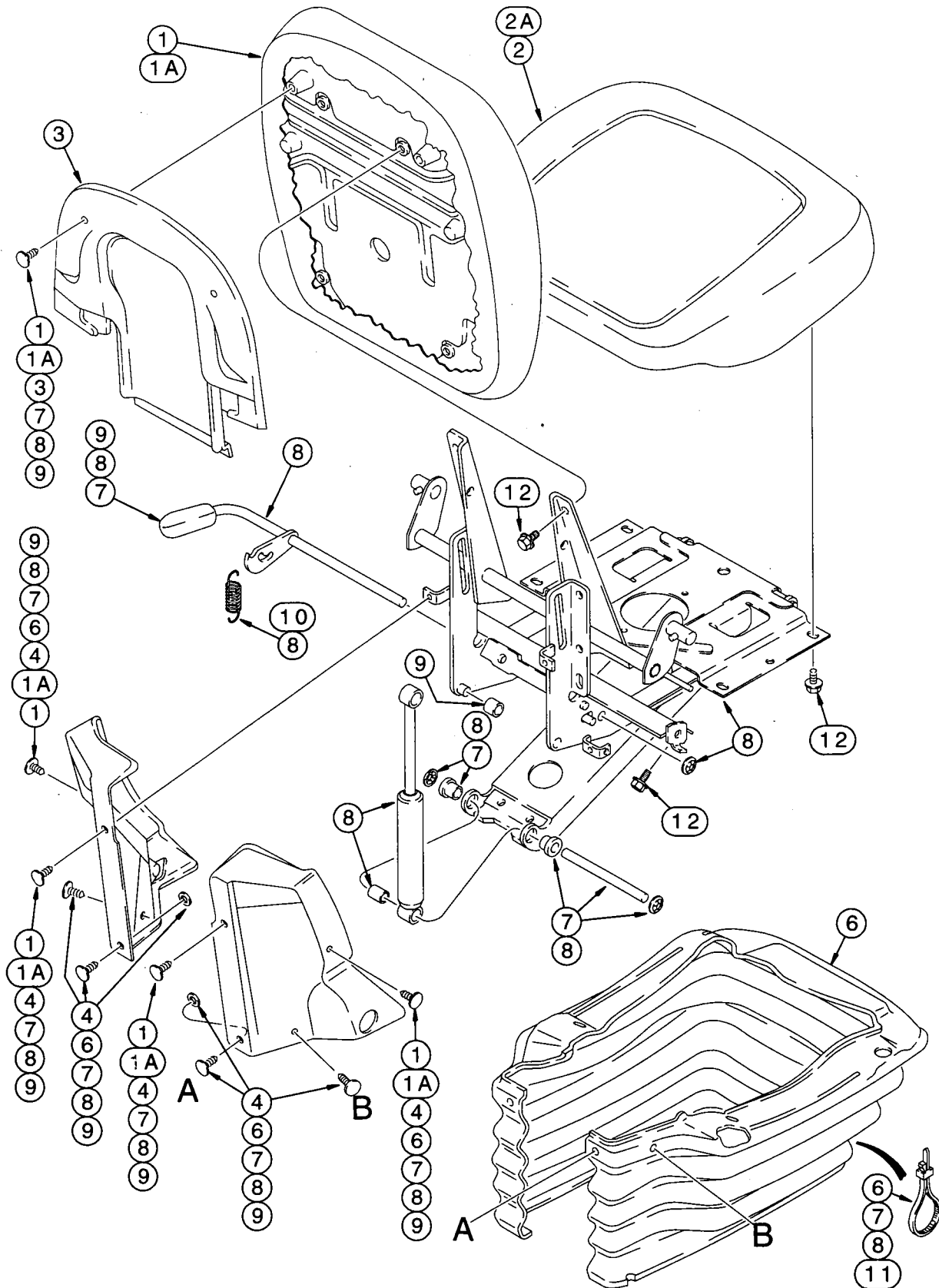
**STANDARD SEAT SUPPORT AND PEDESTAL
580L MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	185156A1	SEAT ASSEMBLY - standard, gray vinyl, includes seat on page 9-121 and support and pedestal below, individual component parts not serviced separately, for service order respective kits	1
1	* 116761A2	KIT - support, base	1
2	116763A1	KIT - cable, anchor, includes hardware for both ends of cable	1
3	* 116764A2	KIT - pedestal, includes 219-16 grease fitting	1
4	* 116766A2	KIT - pedestal box, includes 219-16 grease fitting	1
5	* 116767A1	KIT - swivel latch, includes (6) lock nuts, (1) push nut and (1) swivel latch, if used	1
6	119171A1	KIT - spring, also includes seat slide adjuster spring on page 9-121	1
7	181169A1	KIT - cable, fore-aft/swivel mechanism, also includes (4) nuts on page 9-121	1
8	253209A1	KIT - swivel latch, includes (4) lock nuts, (1) rivet, (1) spacer, (1) washer, (1) push nut and (1) swivel latch, if used	1

NOTE: Each kit includes an instruction sheet.

***NOTE:** Also includes (4) lock nuts for seat adjuster slide on page 9-121.

9-124

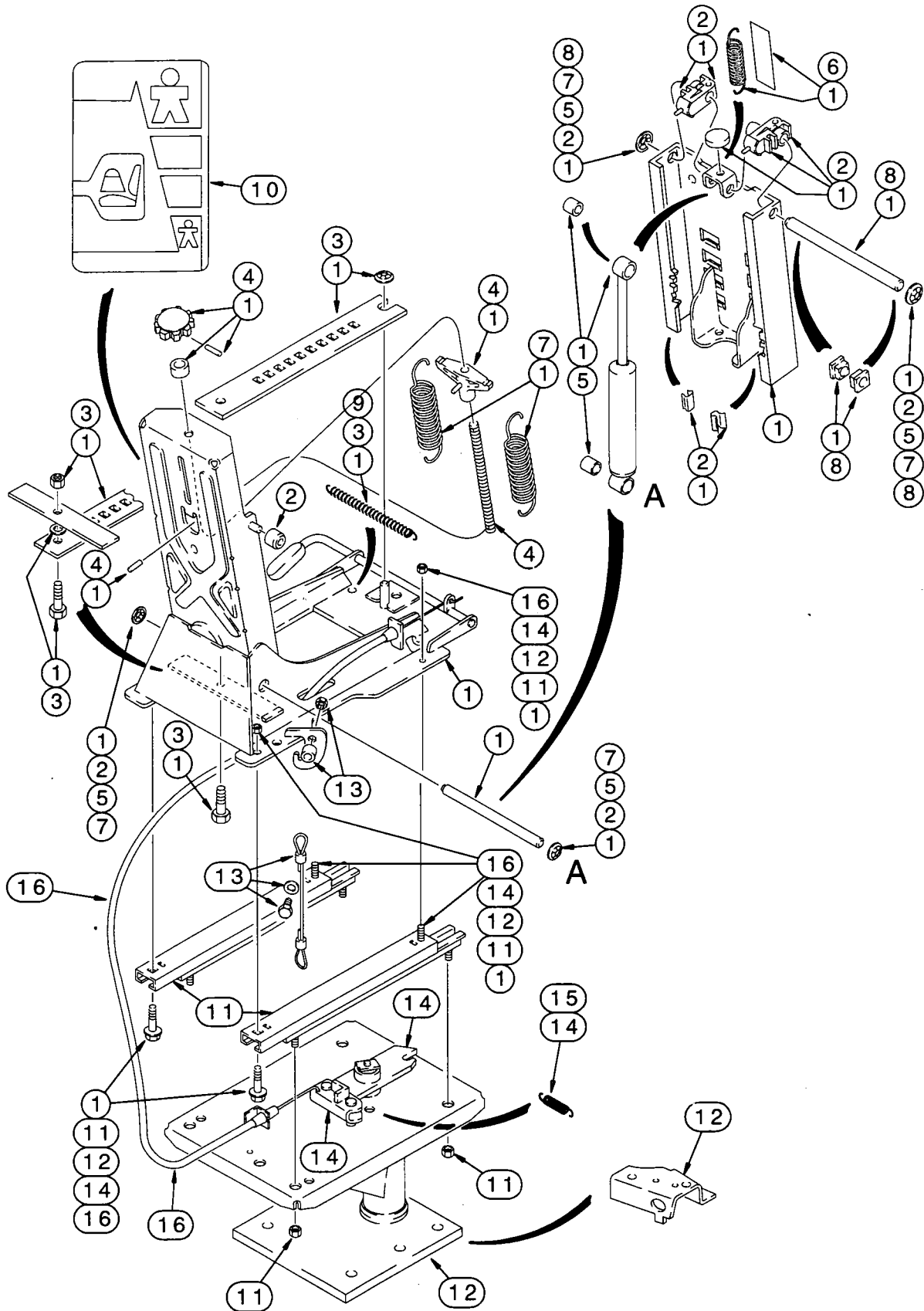


570LXT and 580L Series 2**9-125****SUSPENSION SEAT ASSEMBLIES****580L MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	258313A1	SEAT ASSEMBLY - suspension, gray cloth, includes seat, armrests, suspension, pedestal, and weight adjuster on page 9-127, individual component parts not serviced separately, for service order respective component kits.	1
	259071A1	SEAT ASSEMBLY - suspension, gray vinyl, includes seat, armrests, suspension, pedestal, and weight adjuster on page 9-127, individual component parts not serviced separately, for service order respective component kits.	1
	292262A1	KIT - left-hand armrest	1
	292263A1	KIT - right-hand armrest	1
1	307094A1	KIT - backrest cushion, gray cloth, includes lumbar knob, (6) Christmas tree clips and (4) screws	1
1A	307095A1	KIT - backrest cushion, gray vinyl, includes lumbar knob, (6) Christmas tree clips and (4) screws	1
2	307096A1	KIT - seat cushion, gray cloth, includes (6) screws	1
2A	307097A1	KIT - seat cushion, gray vinyl, includes (6) screws	1
3	307091A1	KIT - backrest shroud, includes (2) Christmas tree clips	1
4	307090A1	KIT - side shroud, left-hand and right-hand, includes (6) Christmas tree clips, (2) washers, (1) height adjustment grip and (1) back angle grip	1
6	307098A1	KIT - boot, rubber, includes (2) ties, (2) washers and (4) Christmas tree clips	1
7	176919A1	KIT - swing arm pivot shaft, includes (2) flanged bearings, (4) push nuts, (10) Christmas tree clips, (2) washers, (1) grip and (2) tie straps	1
8	307092A1	KIT - suspension, includes suspension, back angle adjust, (2) groove pins, (1) handle, (8) screws, (2) springs, (3) washers, (1) rivet, (1) spacer, (2) tie straps, (8) Christmas tree clips, (12) nuts, (1) height adjust grip, (1) back angle grip, (1) rake grip (1) fore/aft/swivel grip and (1) decal, includes parts from seat frame to adjuster slides, see additional kit parts on page 9-127, item 1	1
9	176921A1	KIT - plastic components, includes (2) rollers, (4) downstops, (2) roller guides, (2) bearings, (1) bumper, (4) nuts, (10) Christmas tree clips, (2) washers and (1) grip, also see additional kit parts on page 9-127, item 2	1
10	116547A1	KIT - height adjusting spring, includes (10) shroud plastic retainers, (2) washers, (2) springs and (1) wear strip, see additional kit parts on page 9-127, item 6	1
11	181170A1	KIT - cable, fore-aft/swivel mechanism, includes (2) screws, (2) tie straps, cable and (4) nuts, see page 9-127 for cable and nuts	1
12	NSS	BOLT - 5/16 inch thread, length as needed, purchase locally, seat cushion and backrest.	8

NOTE: Each kit includes an instruction sheet.

9-126



570LXT and 580L Series 2
9-127
SUSPENSION SEAT
**PEDESTAL, WEIGHT ADJUSTER AND SUSPENSION
580L MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	258313A1	SEAT ASSEMBLY - suspension, gray cloth, includes seat, armrests, suspension, pedestal, and weight adjuster on pages 9-125 and 9-127B, individual component parts not serviced separately, for service order respective component kits	1
	259071A1	SEAT ASSEMBLY - suspension, gray vinyl, includes seat, armrests, suspension, pedestal, and weight adjuster on pages 9-125 and 9-127B, individual component parts not serviced separately, for service order respective component kits	1
1	307092A1	KIT - suspension, includes suspension, back angle adjust, (2) groove pins, (1) handle, (8) screws, (2) springs, (3) washers, (1) rivet, (1) spacer, (2) tie straps, (8) Christmas tree clips, (12) nuts, (1) height adjust grip, (1) back angle grip, (1) rake grip (1) fore/aft/swivel grip and (1) decal, includes parts from seat frame to adjuster slides, see additional parts on page 9-125, item 8	1
2	176921A1	KIT - plastic components, includes (2) rollers, (4) downstops, (2) roller guides, (2) bearings, (1) bumper, (4) nuts, (10) Christmas tree clips, (2) washers and (1) grip, also see additional kit parts on page 9-125, item 9	1
3	116521A1	KIT - fore/aft, adjuster latch, includes (1) latch bar, (1) bolt, (1) spacer, (2) nuts, (1) spring and (2) tie straps	1
	131-435	NUT - push-on type, 3/8 inch	UAR
4	*176916A1	KIT - weight adjusting, includes adjusting knob, (1) spacer, (2) roll pins, (1) shaft, (1) spring, (10) Christmas tree clips, (2) washers, (1) grip and (2) tie straps	1
5	*176914A1	KIT - suspension damper, includes damper, (2) spacers, (4) nuts, (10) Christmas tree clips, (2) washers, (1) grip and (2) tie straps	1
6	116547A1	KIT - height adjusting spring, includes (10) shroud plastic retainers, (2) washers, (2) springs and (1) wear strip, see additional kit parts on page 9-125, item 10	1
7	*176920A1	KIT - main extension springs, suspension, includes (2) springs, (4) nuts, (2) washers, (10) Christmas tree clips, (1) grip and (2) tie straps	1
8	116551A1	KIT - upper suspension tower shaft, includes shaft, (2) bearings, (2) nuts, (10) Christmas tree clips and (2) washers.	1
9	116545A1	KIT - fore/aft latch spring, includes (1) spring and (2) tie straps.	1
10	116534A1	KIT - decal, seat weight adjustment, includes instructions, included in seat assembly	1

NOTE: Each kit includes an instruction sheet.

*** NOTE:** Also includes (10) shroud plastic retainers, (2) washers, and (2) tie straps shown on page 9-125.

Continued on next page



570LXT and 580L Series 2

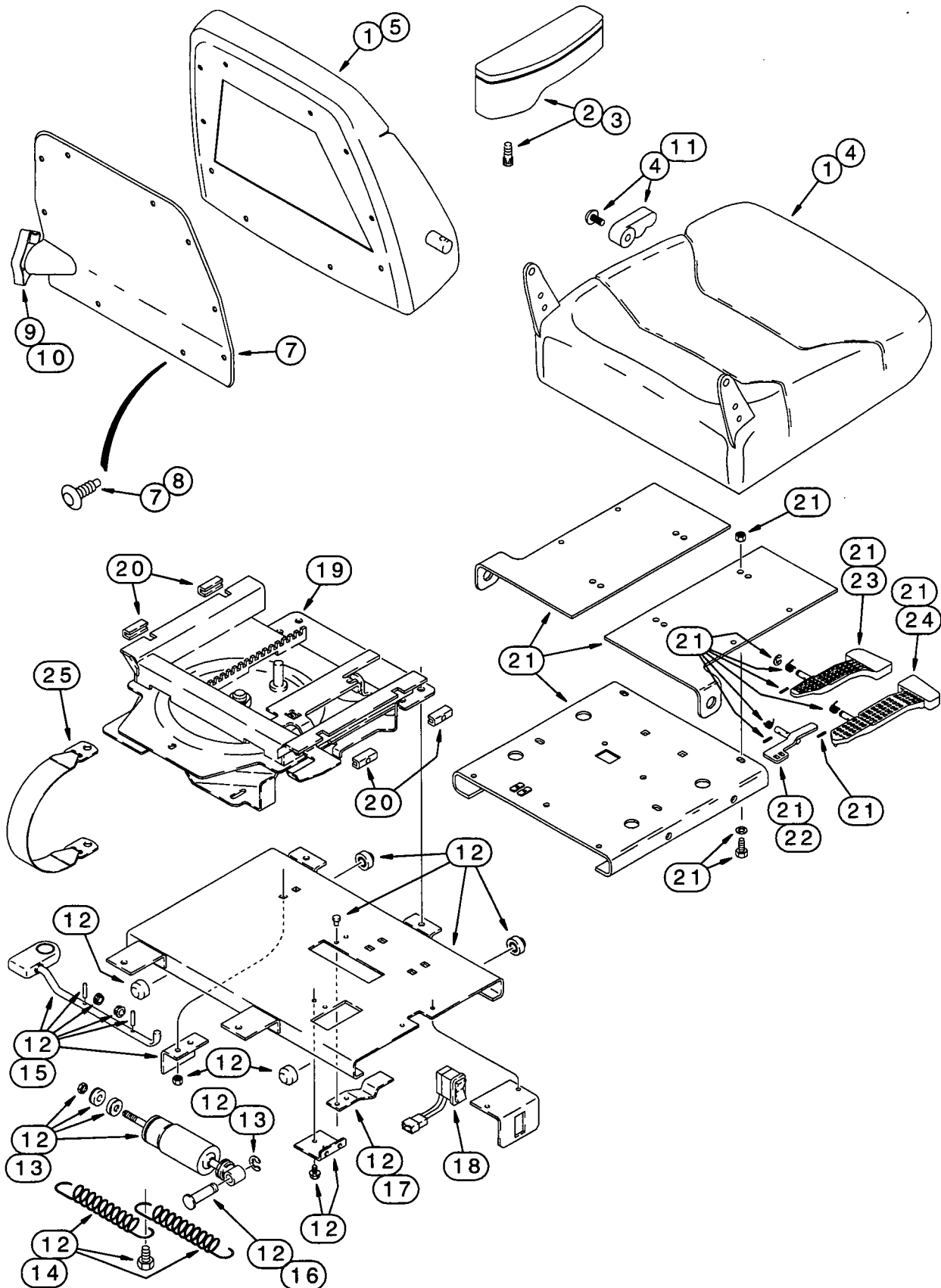
9-127B

SUSPENSION SEAT

**PEDESTAL, WEIGHT ADJUSTER AND SUSPENSION
580L MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
11	116522A2	KIT - fore/aft adjuster slides, includes (2) slave adjusters, (4) screws, (8) nuts and (2) tie straps	1
12	116538A2	KIT - pedestal, seat support, includes pedestal assembly, (4) screws, (4) nuts and 119211A1 switch mounting bracket, see page 9-119, Ref 11 for 119211A1 switch mounting bracket.	1
13	116552A1	KIT - cable, includes (2) cables, (2) screws, (2) spacers, (2) washers and (2) nuts, includes hardware for both ends of cable	1
14	116550A1	KIT - swivel latch bar, pedestal, includes (1) latch bar, (1) spring, (1) retaining ring, (4) screws and (4) nuts	1
15	116548A1	KIT - swivel latch spring only	1
16	181170A1	KIT - cable, fore-aft/swivel mechanism, includes (2) screws, (2) tie straps, cable and (4) nuts.	1

9-127C



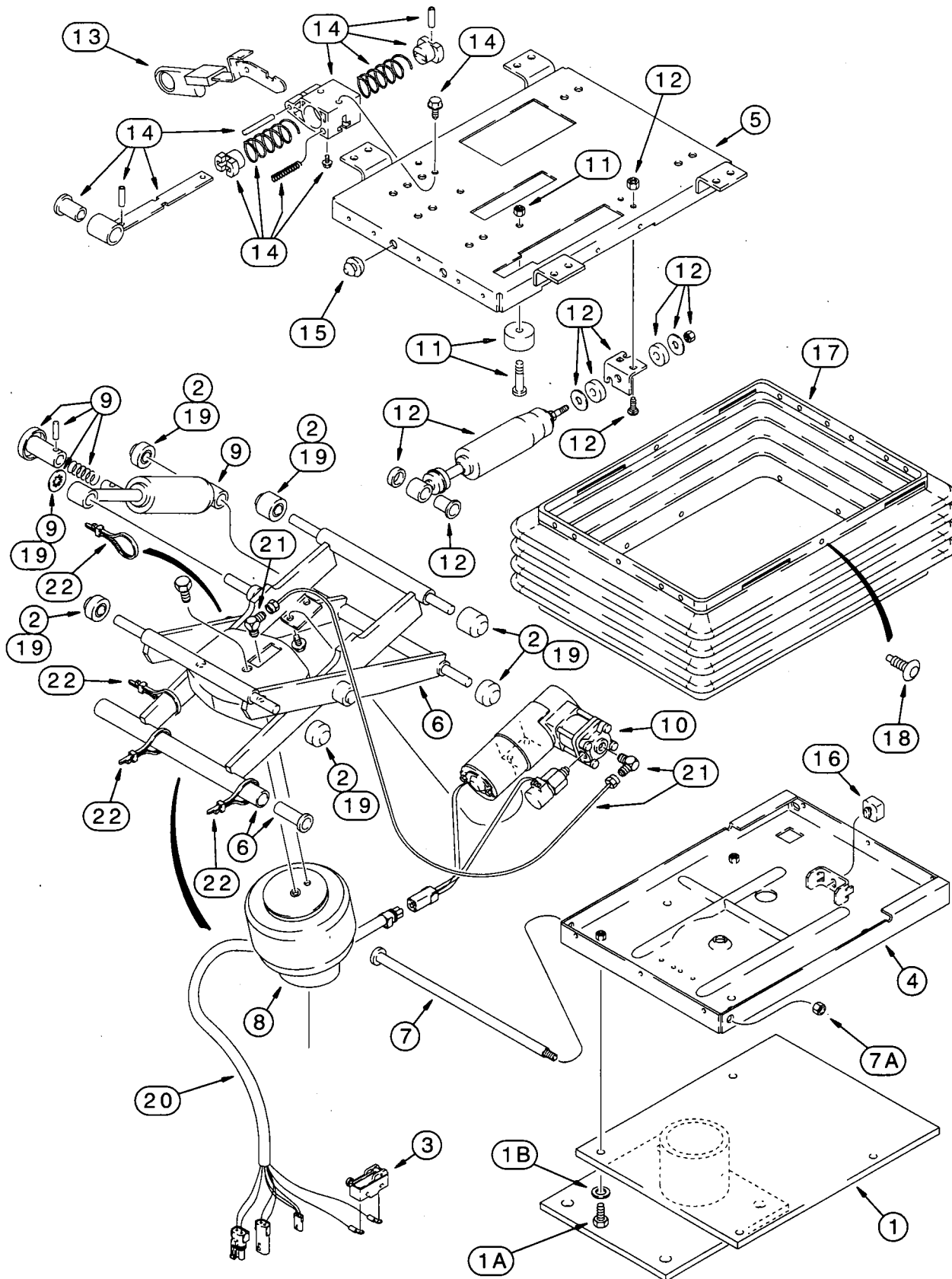
570LXT and 580L Series 2**9-127D**

**DELUXE AIR SUSPENSION SEAT
SEAT, SLIDE AND SWIVEL ASSEMBLY
580L MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	121414A1	FUSE - mini, 20 ampere, not shown	1
	614-12030	BOLT - hex, full threads, 12 - 1.75 x 30 mm	4
	892-11012	WASHER - lock, 12 mm	4
	275547A1	SEAT ASSEMBLY - air suspension, cloth, deluxe, complete with armrests, parts list pages 9-127D and 9-127F	1
1	300657A1	KIT - seat top assembly, without armrests, includes seat and backrest cushions, backrest cover and hardware	1
2	300659A1	KIT - armrest, right-hand, includes armrest knob and shaft, groove pin, pivot stud and screw	1
3	300661A1	KIT - armrest, left-hand, includes armrest knob and shaft, groove pin, pivot stud and screw	1
4	300662A1	KIT - seat cushion, with frame, includes seat frame and cushion, (5) Christmas tree clips, (18) hog rings, (1) screw and recliner handle	1
5	300663A1	KIT - backrest cushion, with frame, includes backrest frame and cushion, (23) hog rings, lumbar, (2) screws and (2) Christmas tree clips	1
6	176091A1	KIT - retaining, hog ring, package of 48 rings for cushions, not shown	1
7	300664A1	KIT - backrest cover, cloth, and clips	1
8	1999693C1	CLIP - christmas tree, package of 14	1
9	300665A1	KIT - lumbar, with knob	1
10	300667A1	KIT - lumbar knob, includes knob, actuator and (2) screws	1
11	1987212C1	KIT - seat cushion back tilt knob, includes knob, recliner handle and (1) screw	1
12	300670A1	KIT - lateral isolator assembly, includes Ref 13 through 17	1
13	1987219C2	KIT - lateral isolator shock, includes shock absorber, (1) bearing, (2) bushings, (1) nut, (2) washers, (1) spacer and (1) retaining ring	1
14	1987290C1	KIT - spring, lateral isolator, includes (2) springs and (1) bolt	1
15	259054A1	KIT - lateral isolator control, lock, includes latch rod, bracket, (2) bearings, knob and (2) roll pins	1
16	1344025C1	PIN - clevis, pivot	1
17	1344026C1	SPRING - latch	1
18	300672A1	SWITCH - rocker, height adjustment	1
	300674A1	HARNESS - swivel switch, not shown	1
19	300675A1	KIT - slide/swivel assembly, includes Ref 21	1
20	300680A1	KIT - slide puck, includes (2) adjustable slider blocks, (2) stationary slider blocks and (2) set screws	1
21	300677A1	KIT - upper slide plate assembly, includes upper slide plate weldment, slide and swivel levers, (3) springs, (3) roll pins, (3) E-rings and slide latch weldment	1
22	300679A1	SLIDE - latch weldment	1
23	300681A1	LEVER - slide control	1
24	300683A1	LEVER - swivel	1
25	300684A1	BELT - tether	1

NOTE: See page 9-119B for seat belts and mounting.

9-127E

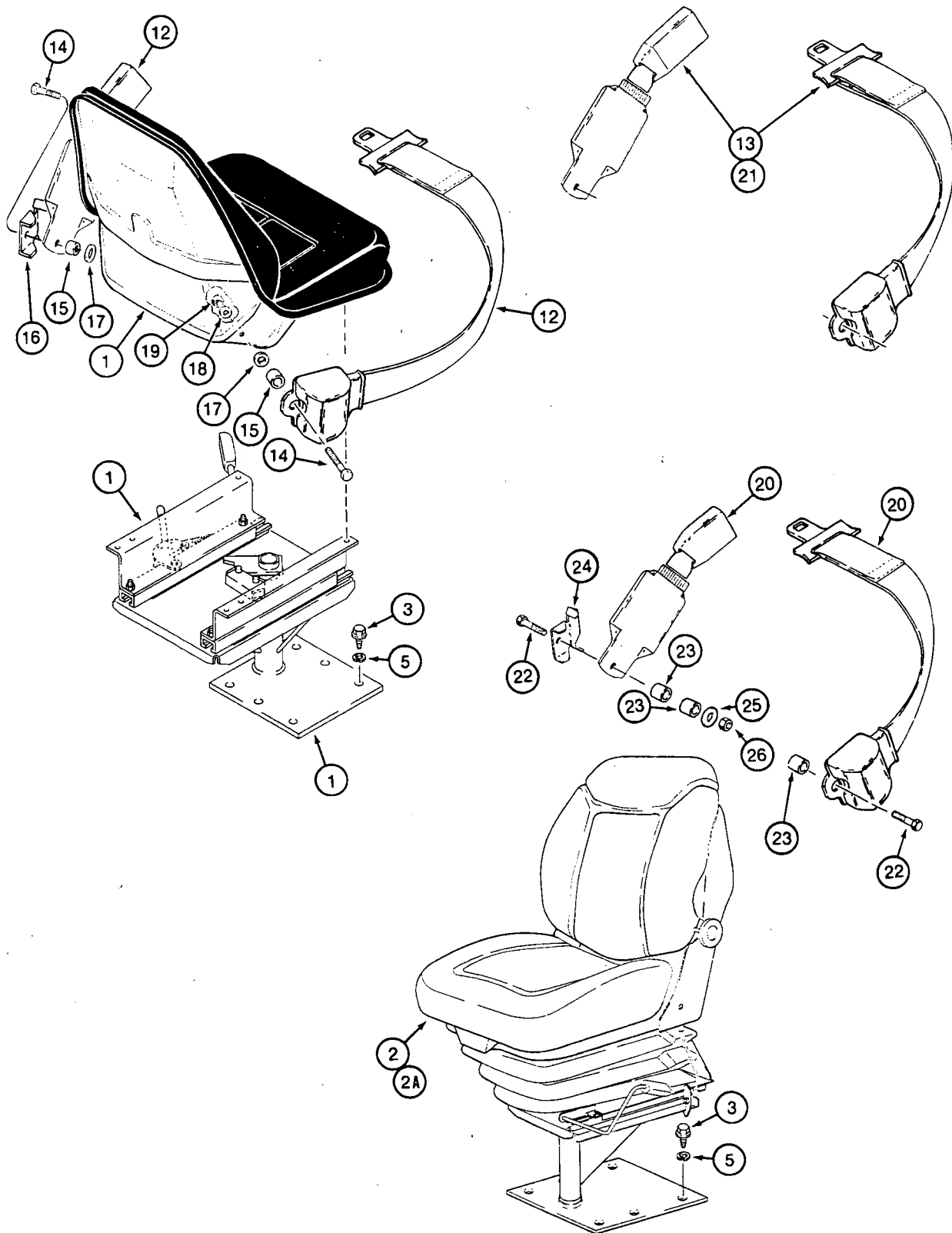


570LXT and 580L Series 2**9-127F****DELUXE AIR SUSPENSION SEAT
SUSPENSION ASSEMBLY AND PEDESTAL
580L MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
	275547A1	SEAT ASSEMBLY - air suspension, cloth, deluxe, complete with armrests, continued from previous page	1
1	300669A1	PEDESTAL - weldment, base	1
1A	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm	4
1B	NSS	WASHER - flat, rear, tether	2
	300685A1	KIT - air suspension assembly, includes parts from upper housing plate to lower housing plate, includes all items shown except for the boot and pedestal, Ref 1 and 17	1
2	135512A3	KIT - roller bearing; isolator, includes (4) narrow rollers, (2) wide rollers, (1) bushing, (1) spacer and (1) retaining ring, isolator	1
3	D137363	SWITCH - contact, swivel limit	1
4	226560A1	HOUSING - lower, with upper stop bracket	1
5	300688A1	HOUSING - upper	1
6	132862A1	ARM - suspension	1
7	143786A1	SHAFT - bearing	1
7A	230-4216	NUT - hex, self-locking, 3/8 inch NC	1
8	197793A1	KIT - air spring, includes air spring, J-clip and (3) tie straps	1
9	132866A1	KIT - shock absorber, includes shock, (2) bearings, fastener, actuator arm, roll pin, bracket and retaining ring	1
	132864A1	KIT - compressor/valve, includes compressor, valve, mount, air line tubing, (2) screws, (2) sleeves and (2) nuts	1
10	300689A1	KIT - compressor and valve	1
	300690A1	MOUNT - compressor	1
11	180593A1	KIT - bumper, includes (2) bumpers, (2) nuts, (2) screws and (2) spacers	1
	231-1444	NUT - hex, self-locking, 1/4 inch NC	2
	340-12520	SCREW - machine, pan Phillips, 1/4 NC x 1-1/4 inch	2
12	300691A1	KIT - fore/aft isolator latch, includes shock absorber, (3) nuts, (2) washers, (2) grommets, (1) bearing and (15) Christmas tree clips	1
13	1981850C1	KNOB - isolator control, fore/aft	1
14	300692A1	KIT - fore/aft isolator latch, includes latch assembly and (2) screws	1
15	133422A1	BUMPER - rubber	2
16	A45054	BUMPER - seat	1
	310242A1	KIT - boot, includes boot, (23) Christmas tree clips and (3) dome nuts	1
17	133421A1	KIT - boot, with pins	1
18	132872A1	KIT - boot pin, package of 23 retainers and 3 dome nuts	1
19	180594A3	KIT - rollers and bearings, includes (2) bushings, (6) rollers, (1) push nut, (5) bearings and (2) spacers	1
	131-425	NUT - push-on type, 1/2 inch	1
20	300896A1	HARNESS - wire, attaches to cab harness	1
21	1990548C4	KIT - air line and fittings, includes (2) elbows, (1) tee, (2) adapters, 3.5 feet nylon tubing, (5) tie straps and (1) J-clip	1
22	L18337	STRAP - tie, 15 inch	5

NOTE: See page 9-119B for seat belts and mounting

9-128



570LXT and 580L Series 2
9-129
***SEATS AND MOUNTING PARTS**
570LXT MODELS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	143795A1	SEAT ASSEMBLY - standard, gray vinyl, swivels to the right only, includes seat, pedestal, and support, see parts list page 9-131 for seat and page 9-133 for support and pedestal	1
2	276151A1	SEAT ASSEMBLY - suspension, gray cloth, without armrests, includes seat, suspension and pedestal, swivels to the right only, parts list pages 9-133B - 9-133F.	1
2A	276148A1	SEAT ASSEMBLY - suspension, gray vinyl, without armrests, includes seat, suspension and pedestal, swivels to the right only, parts list pages 9-133B - 9-133F.	1
3	614-12040	BOLT - hex, full threads, 12 - 1.75 x 40 mm, standard or suspension seat.	4
5	892-11012	WASHER - lock, 12 mm	4

SEAT BELT MOUNTING - STANDARD SEAT

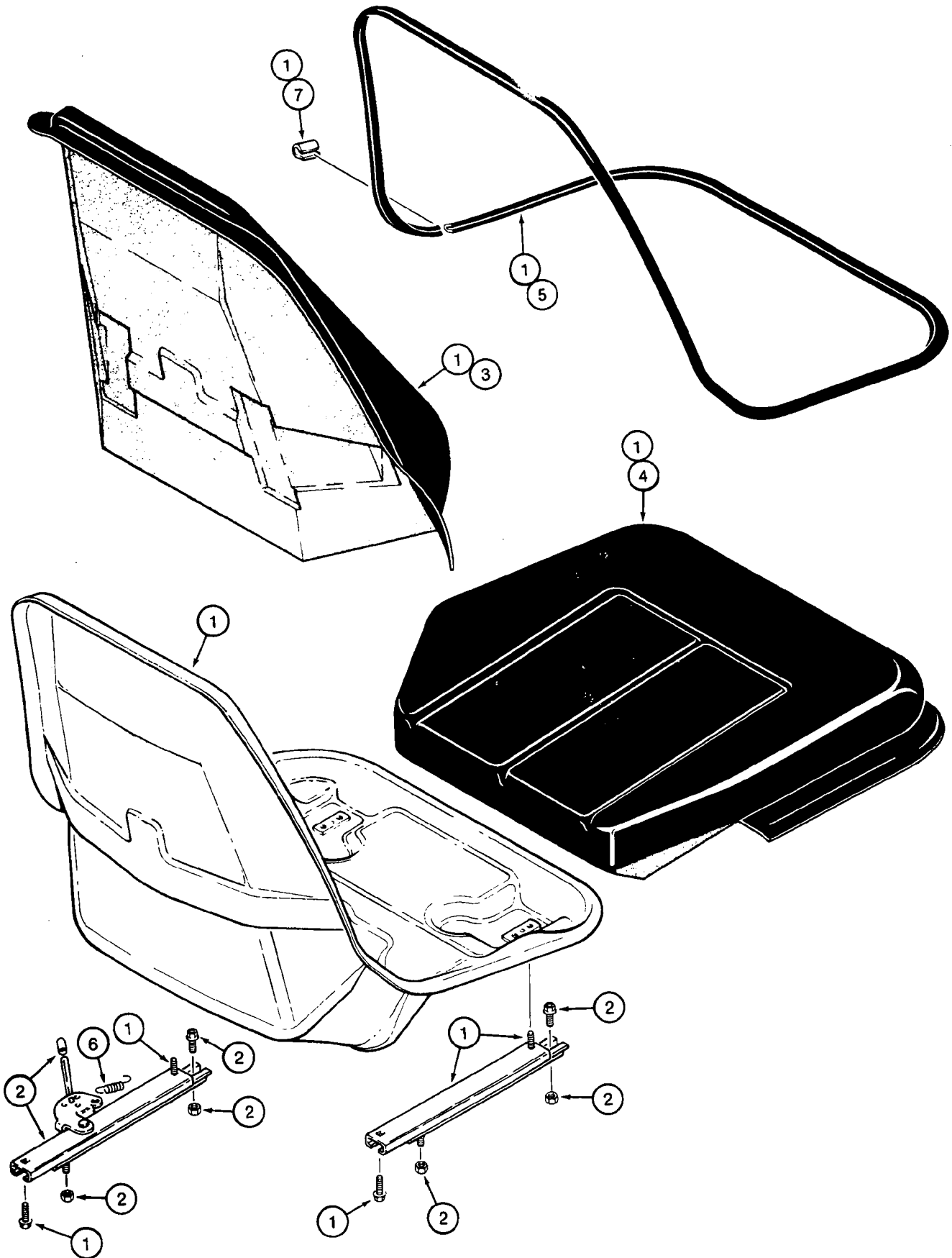
12	D150377	BELT - seat, 51 mm (2 inch) wide, if used.	1
13	R58418	BELT - seat, retractable, 76 mm (3 inch) wide, if used	1
14	414-724	BOLT - hex, 7/16 NF x 1-1/2 inch	2
15	D150391	SPACER - belt.	2
16	D150392	BRACKET - left-hand belt	1
17	495-81169	WASHER - flat, 17/32 x 2-1/2 x 3/64 inch	2
18	496-81010	WASHER - flat, 15/32 x 1 x 7/64 inch, hardened.	4
19	232-4617	NUT - hex, self-locking, 7/16 inch NF	2

SEAT BELT MOUNTING - SUSPENSION SEAT

20	D150377	BELT - seat, 51 mm (2 inch) wide, if used.	1
21	R58418	BELT - seat, retractable, 76 mm (3 inch) wide, if used	1
22	414-724	BOLT - hex, 7/16 NF x 1-1/2 inch	2
23	D150391	SPACER - belt.	2
24	D150392	BRACKET - left-hand belt	1
25	496-81010	WASHER - flat, 15/32 x 1 x 7/64 inch, hardened.	2
26	232-4617	NUT - hex, self-locking, 7/16 inch NF	2

***NOTE:** See page 9-119 through 9-127F for 580L seats.

9-130



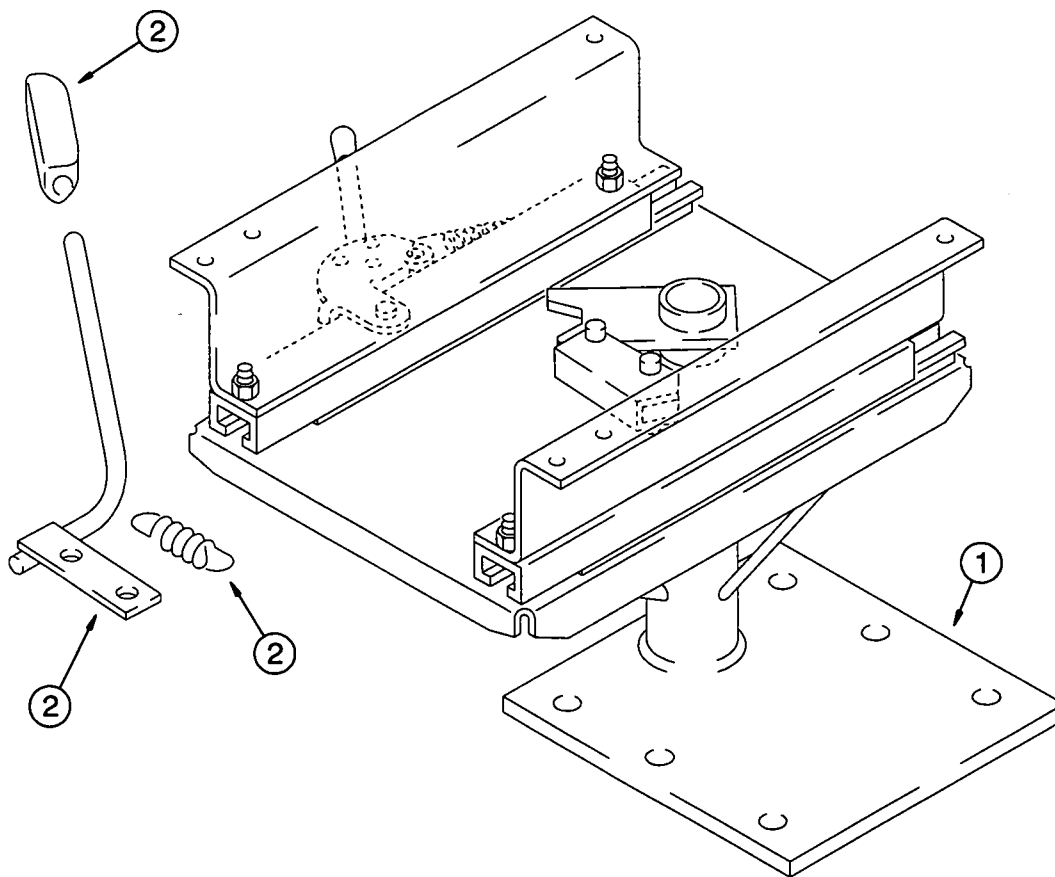
570LXT and 580L Series 2
STANDARD SEAT ASSEMBLY
570LXT MODELS

9-131

REF.	PART NO.	DESCRIPTION	REQ'D.
	143795A1	SEAT ASSEMBLY - standard, gray vinyl, includes seat below and support and pedestal on page 9-133, individual component parts not serviced separately, for service order respective component kits, see page 9-133 for standard support and pedestal	1
1	192307A1	KIT - seat, complete with shell two piece seat and backrest cushions, trim, clip and four screws	1
2	192309A1	KIT - adjuster, seat slide, fore/aft, includes two slides, 8 nuts, grip and 4 screws	1
3	176926A1	KIT - backrest cushion, gray.	1
4	176925A1	KIT - seat cushion, gray	1
5	176924A1	TRIM - edging, gray, cushion to shell.	1
6	119171A1	KIT - spring, seat adjuster slide, includes 3 springs.	1
7	NSS	CLIP - retainer, order N7802 clip kit, see below	1
	N7802	KIT - clip, includes item 7 clip above, plus 6 additional narrow clips	1

NOTE: Each kit includes an instruction sheet.

9-132



570LXT and 580L Series 2

9-133

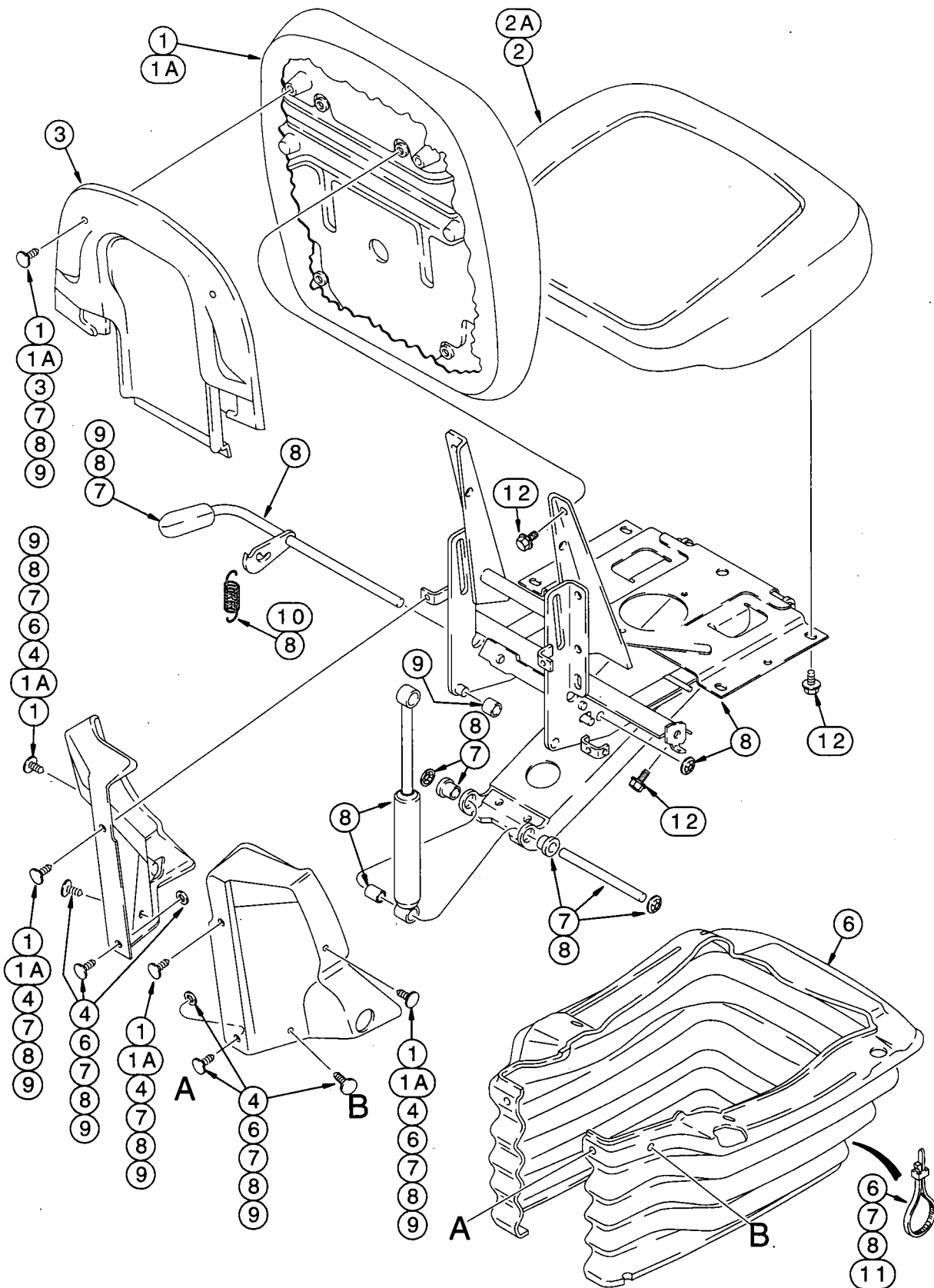
STANDARD SEAT SUPPORT AND PEDESTAL

570LXT MODELS

REF.	PART NO.	DESCRIPTION	REQ'D.
	143795A1	SEAT ASSEMBLY - standard, gray vinyl, includes seat on page 9-131 and support and pedestal below, individual component parts not serviced separately, for service order respective kits	1
1	192308A1	KIT - pedestal, complete, includes pedestal, seat slides, spring, swivel handle, grip, and hardware, see page 9-131 for seat slides	1
2	192310A1	KIT - swivel handle, includes handle, grip, spring, and retaining rings.	1

NOTE: Each kit includes an instruction sheet.

9-133A

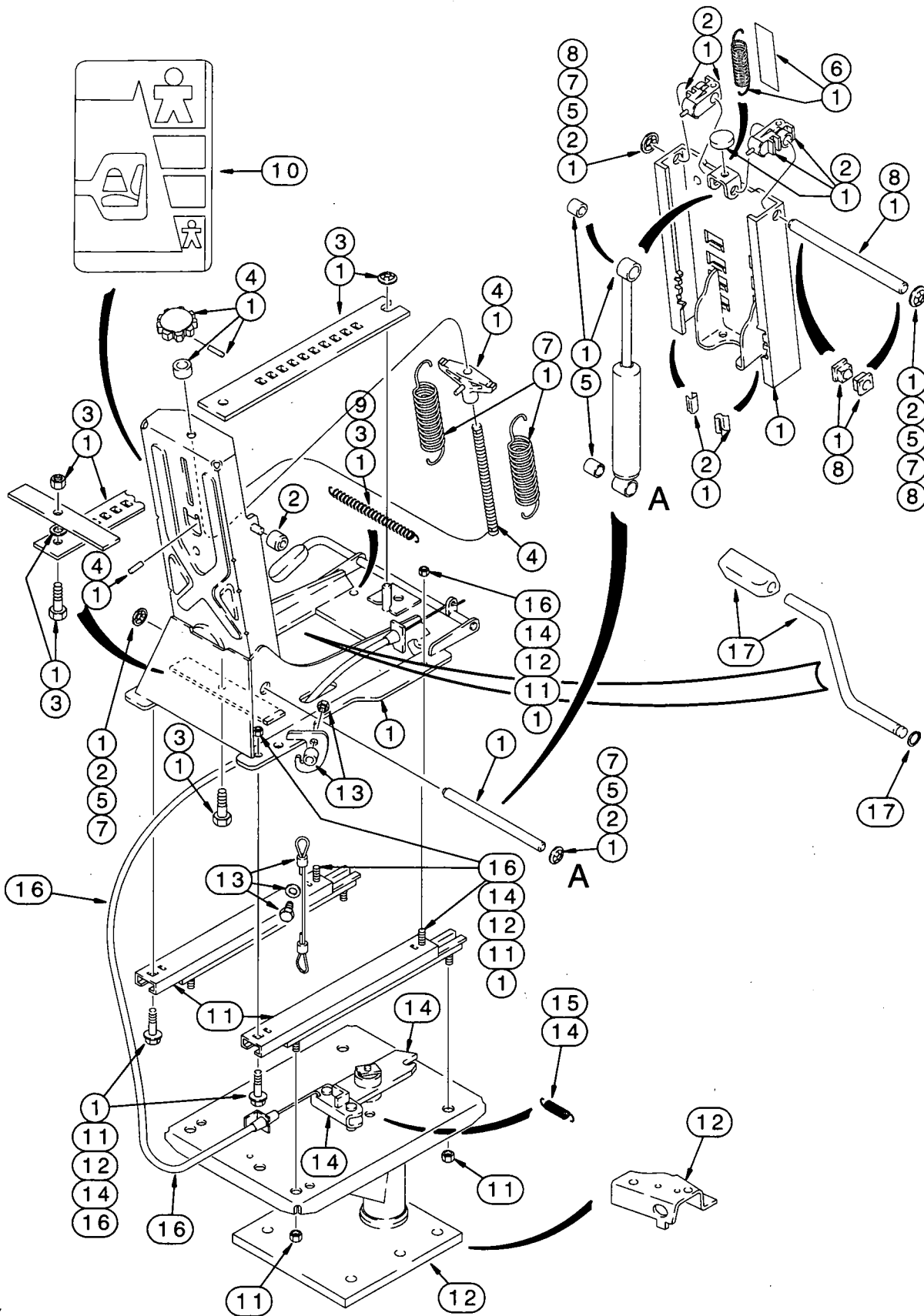


570LXT and 580L Series 2
9-133B
SUSPENSION SEAT ASSEMBLIES
570LXT MODELS

REF.	PART NO.	DESCRIPTION	REQ'D.
	276151A1	SEAT ASSEMBLY - suspension, gray cloth, without armrests, includes seat, suspension, pedestal, and weight adjuster on page 9-133D, individual component parts not serviced separately, for service order respective component kits	1
	276148A1	SEAT ASSEMBLY - suspension, gray vinyl, without armrests, includes seat, suspension, pedestal, and weight adjuster on page 9-133D, individual component parts not serviced separately, for service order respective component kits	1
1	307094A1	KIT - backrest cushion, gray cloth, includes lumbar knob, (6) Christmas tree clips and (4) screws	1
1A	307095A1	KIT - backrest cushion, gray vinyl, includes lumbar knob, (6) Christmas tree clips and (4) screws	1
2	307096A1	KIT - seat cushion, gray cloth, includes (6) screws	1
2A	307097A1	KIT - seat cushion, gray vinyl, includes (6) screws	1
3	307091A1	KIT - backrest shroud, includes (2) Christmas tree clips	1
4	307099A1	KIT - side shroud, left-hand and right-hand, includes (6) Christmas tree clips, (2) washers, (1) height adjust grip and (1) back angle grip	1
6	307098A1	KIT - boot, rubber, includes (2) ties, (2) washers and (4) Christmas tree clips	1
7	176919A1	KIT - swing arm pivot shaft, includes (2) flanged bearings, (4) push nuts, (10) Christmas tree clips, (2) washers, (1) grip and (2) tie straps	1
8	307093A1	KIT - suspension, includes suspension, back angle adjust, (1) handle, (8) screws, (2) springs, (3) washers, (1) rivet, (1) spacer, (2) tie straps, (8) Christmas tree clips, (12) nuts, (1) height adjust grip, (1) back angle grip, (1) rake grip (1) fore/aft/swivel grip and (1) decal, includes parts from seat frame to adjuster slides	1
9	176921A1	KIT - plastic components, includes (2) rollers, (4) downstops, (2) roller guides, (2) bearings, (1) bumper, (4) nuts, (10) Christmas tree clips, (2) washers and (1) grip, also see additional kit parts on page 9-133D, item 2	1
10	116547A1	KIT - height adjusting spring, includes (10) shroud plastic retainers, (2) washers, (2) springs and (1) wear strip, also includes (10) shroud plastic retainers, see additional kit parts on page 9-133D, item 6	1
11	181170A1	KIT - cable, fore-aft/swivel mechanism, includes (2) screws, (2) tie straps, cable and (4) nuts	1
12	NSS	BOLT - 5/16 inch thread, length as needed, purchase locally, seat cushion and backrest	8

NOTE: Each kit includes an instruction sheet.

9-133C



570LXT and 580L Series 2

9-133D

SUSPENSION SEAT

PEDESTAL, WEIGHT ADJUSTER AND SUSPENSION

570LXT MODELS

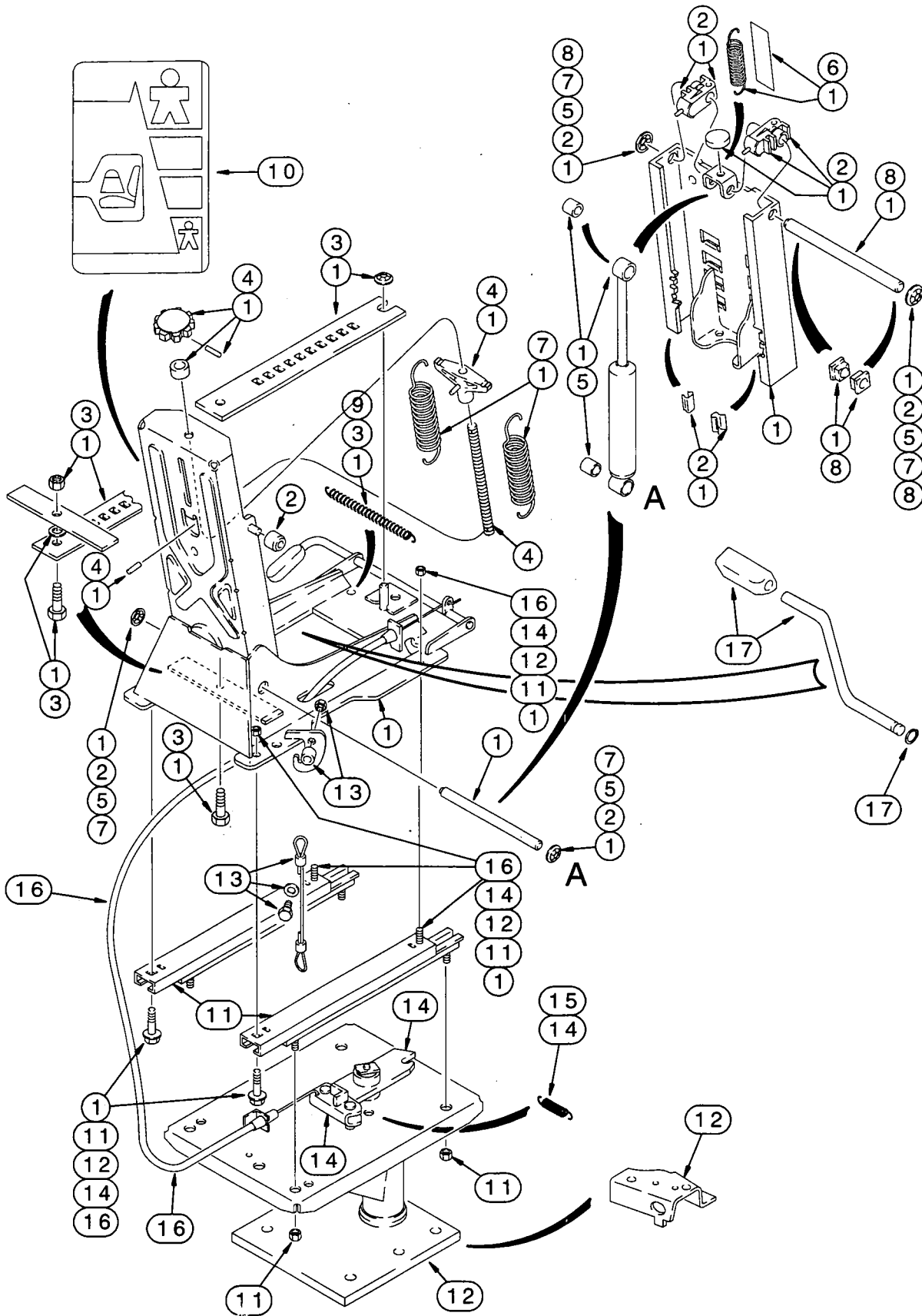
REF.	PART NO.	DESCRIPTION	REQ'D.
	276151A1	SEAT ASSEMBLY - suspension, gray cloth, without armrests, includes seat, suspension, pedestal, and weight adjuster on pages 9-133B and 9-133F, individual component parts not serviced separately, for service order respective component kits	1
	276148A1	SEAT ASSEMBLY - suspension, gray vinyl, without armrests, includes seat, suspension, pedestal, and weight adjuster on pages 9-133B and 9-133F, individual component parts not serviced separately, for service order respective component kits	1
1	307093A1	KIT - suspension, includes suspension, back angle adjust, (1) handle, (8) screws, (2) springs, (3) washers, (1) rivet, (1) spacer, (2) tie straps, (8) Christmas tree clips, (12) nuts, (1) height adjust grip, (1) back angle grip, (1) rake grip (1) fore/aft/swivel grip and (1) decal, includes parts from seat frame to adjuster slides, see additional parts on page 9-133B, item 8	1
2	176921A1	KIT - plastic components, includes (2) rollers, (4) downstops, (2) roller guides, (2) bearings, (1) bumper, (4) nuts, (10) Christmas tree clips, (2) washers and (1) grip, also see additional kit parts on page 9-133B, item 9	1
3	116521A1	KIT - fore/aft, adjuster latch, includes (1) latch bar, (1) bolt, (1) spacer, (2) nuts, (1) spring and (2) tie straps	1
	131-435	NUT - push-on type, 3/8 inch	UAR
4	* 176916A1	KIT - weight adjusting, includes adjusting knob, (1) spacer, (2) roll pins, (1) shaft, (1) spring, (10) Christmas tree clips, (2) washers, (1) grip and (2) tie straps	1
5	* 176914A1	KIT - suspension damper, includes damper, (2) spacers, (4) nuts, (10) Christmas tree clips, (2) washers, (1) grip and (2) tie straps	1
6	116547A1	KIT - height adjusting spring, includes (10) shroud plastic retainers, (2) washers, (2) springs and (1) wear strip, see additional kit parts on page 9-133B, item 10	1
7	* 176920A1	KIT - main extension springs, suspension, includes (2) springs, (4) nuts, (2) washers, (10) Christmas tree clips, (1) grip and (2) tie straps	1
8	116551A1	KIT - upper suspension tower shaft, includes shaft, (2) bearings, (2) nuts, (10) Christmas tree clips and (2) washers	1
9	116545A1	KIT - fore/aft latch spring, includes (1) spring and (2) tie straps	1
10	116534A1	KIT - decal, seat weight adjustment, includes instructions, included in seat assembly	1

NOTE: Each kit includes an instruction sheet.

*** NOTE:** Also includes (10) shroud plastic retainers, (2) washers, and (2) tie straps shown on page 9-133B.

Continued on next page

9-133E



570LXT and 580L Series 2

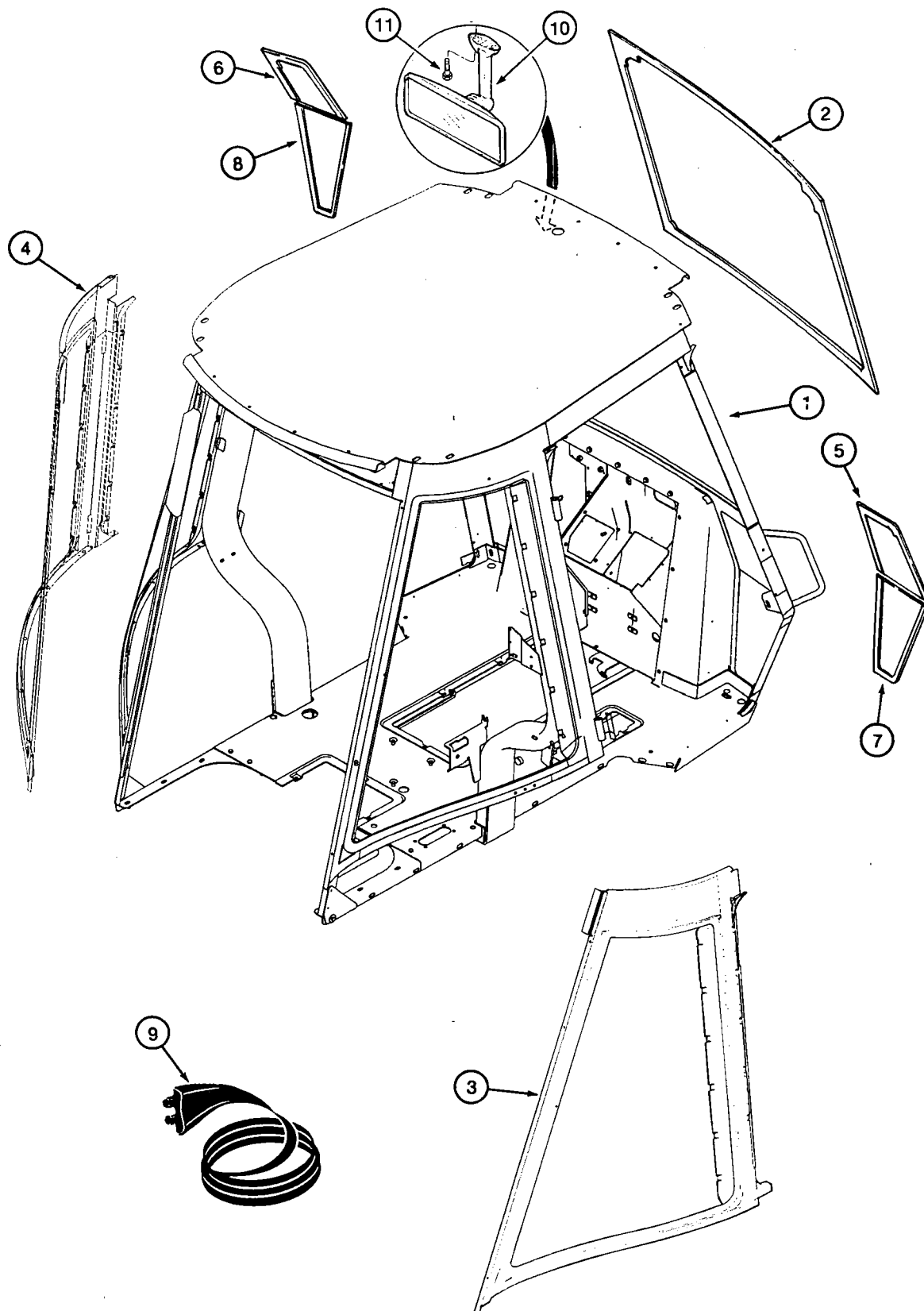
9-133F

SUSPENSION SEAT

**PEDESTAL, WEIGHT ADJUSTER AND SUSPENSION
570LXT MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
11	192305A1	KIT - fore/aft adjuster slides, includes (2) slave adjusters, (4) screws and (8) nuts	1
12	192304A1	KIT - pedestal, seat support, includes pedestal assembly, (4) screws, (8) nuts, (4) retaining rings, tape and label, also includes 119211A1 switch mounting bracket, see page 9-119, Ref 11 for 119211A1 switch mounting bracket.	1
13	116552A1	KIT - cable, includes (2) cables, (2) screws, (2) spacers, (2) washers and (2) nuts, includes hardware for both ends of cable	1
14	116550A1	KIT - swivel latch bar, pedestal, includes (1) latch bar, (1) spring, (1) retaining ring, (4) screws and (4) nuts	1
15	116548A1	KIT - swivel latch spring only	1
16	181170A1	KIT - cable, fore-aft/swivel mechanism, includes (2) screws, (2) tie straps, cable and (4) nuts.	1
17	192306A1	KIT - swivel handle, includes (1) handle, (1) swivel grip and (4) retaining rings	1

9-134



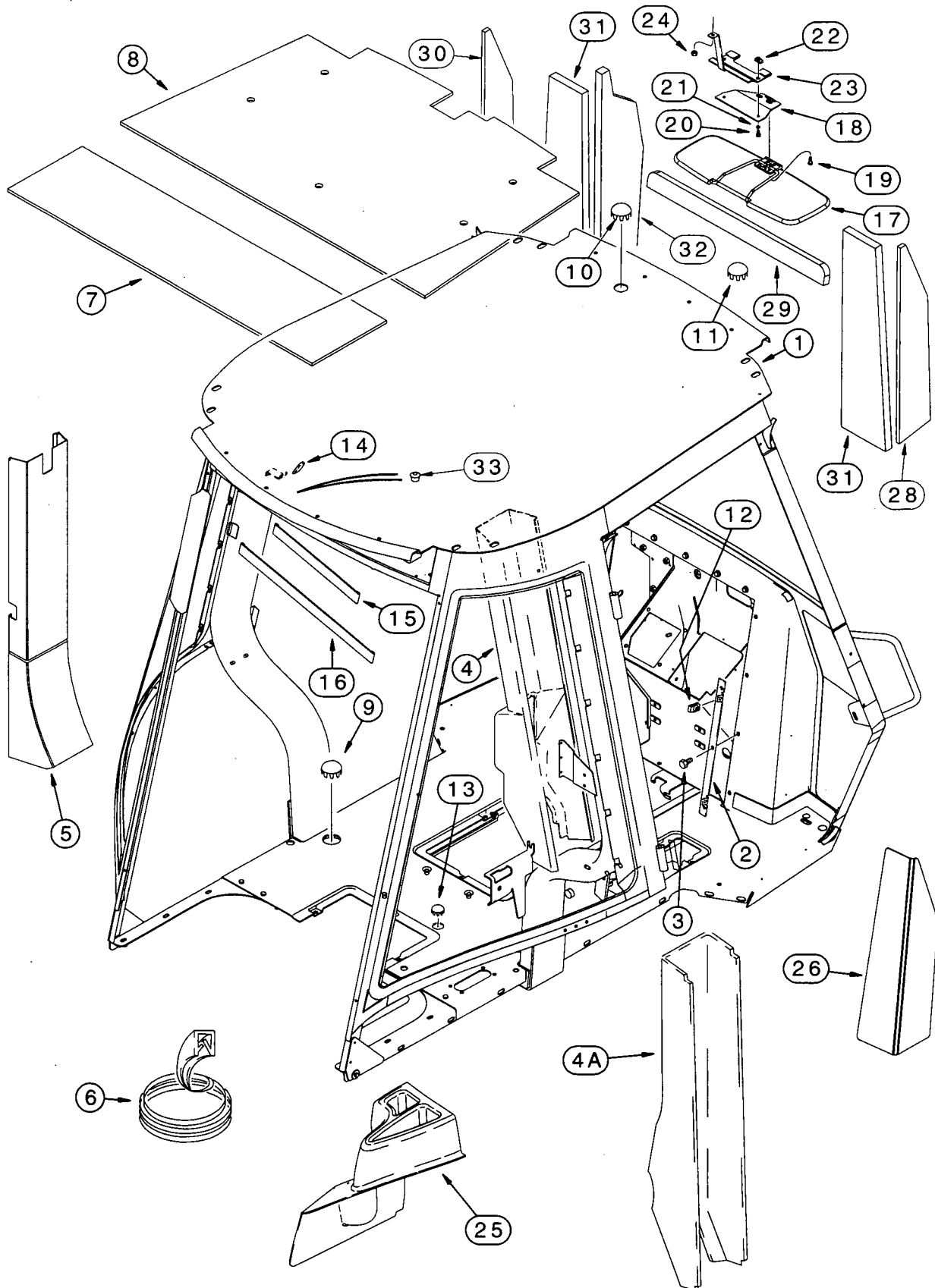
**570LXT and 580L Series 2
ROPS CAB AND GLASS**

9-135

REF.	PART NO.	DESCRIPTION	REQ'D.
1	280995A2	CAB ASSEMBLY - ROPS, operators, complete with heat, order from Machinery Price List, 580L, parts list pages 9-135 thru 9-169.	1
1	280996A2	CAB ASSEMBLY - ROPS, operators, complete with heat and air conditioning, order from Machinery Price List, 580L, parts list pages 9-135 thru 9-169.	1
1	280997A1	CAB ASSEMBLY - ROPS, operators, complete with heat, order from Machinery Price List, 570LXT, not shown, parts list pages 9-135 thru 9-169.	1
1	280998A1	CAB ASSEMBLY - ROPS, operators, complete with heat and air conditioning, order from Machinery Price List, 570LXT, not shown, parts list pages 9-135 thru 9-169.	1
2	97290C1	GLASS - front windshield.	1
3	D126204	GLASS - right-hand rear quarter panel window.	1
4	D126205	GLASS - left-hand rear quarter panel window.	1
5	107230A1	GLASS - knee, upper, right-hand.	1
6	107233A1	GLASS - knee, upper, left-hand.	1
7	107232A1	GLASS - knee, lower, right-hand.	1
8	107234A1	GLASS - knee, lower, left-hand.	1
9	108513A1	SEAL - 290 mm (11-7/16 inch) long, front knee glass.	2
10	143369A2	MIRROR - rear view, interior.	1
11	286-56520	SCREW - self-tapping, Fillister head, No. 10 NC x 1-1/4 inch.	2

NOTE: The grab handles are welded to the cab frame and there is no service replacement for these handles.

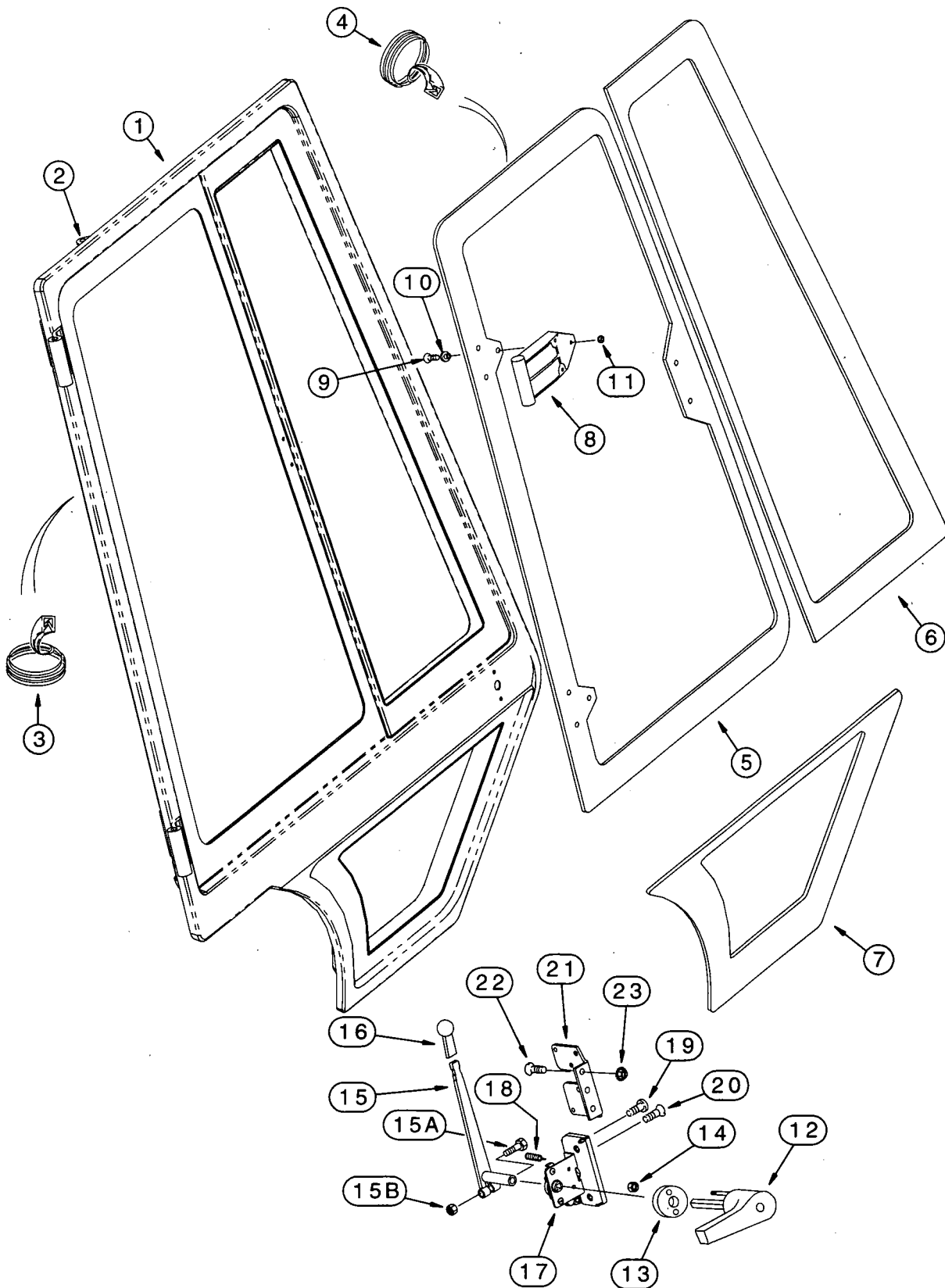
9-136



570LXT and 580L Series 2**9-137****CAB FRAME, COVERS AND INSULATION**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	281009A2	FRAME - ROPS cab, 580L, this frame is not serviced separately.	1
1	281010A1	FRAME - ROPS cab, 570LXT, not shown, this frame is not serviced separately	1
2	137851A1	PLATE - bar, front console mounting to firewall, also shown on page 4-23, no longer included with frame, purchase separately	2
3	844-8020	BOLT - heavy hex flange, 8 - 1.25 x 20 mm, no longer included with frame, purchase separately	13
4	126371A1	COVER - plastic, right-hand post.	1
4A	131977A2	COVER - gray vinyl, right-hand post, optional deluxe interior	1
5	291609A1	COVER - gray vinyl, left-hand post, optional deluxe interior	1
6	108963A1	SEAL - trim, right-hand post	2
7	108797A1	PAD - insulation, rear, 200 x 813 x 6.4 mm, cut from 108794A2 bulk pad	1
8	127021A2	PAD - insulation, front cab roof	1
9	205-129	PLUG - button, 2 inch ID, floor.	2
10	353-415	PLUG - button, 1-1/2 inch, cab roof, models without radio antenna	1
11	353-410	PLUG - button, 7/8 inch, windshield frame, top, models without radio antenna	1
12	833-40406	NUT - U-type, 6 mm - 1.0	4
13	205-33	PLUG - button, 25/32 inch ID.	1
14	294666A1	COVER - coat hook.	1
15	296367A1	STRAP - velcro	1
16	282845A1	STRAP - velcro	1
17	E47027	VISOR - sun shade	1
18	227420A2	BRACKET - visor mounting	1
19	840-1516	SCREW - machine, pan Phillips, 5 - 0.8 x 16 mm	3
20	844-6025	BOLT - heavy hex flange, 6 - 1.0 x 25 mm	2
21	892-11006	WASHER - lock, 6 mm	2
22	833-40406	NUT - U-type, 6 mm - 1.0	2
23	227178A2	BRACKET - visor support	1
24	829-1408	NUT - hex, 8 mm - 1.25, class 10	1
25	292264A1	TRAY - tool, storage, mounts behind right-hand console, optional deluxe interior	1
	833-40406	NUT - U-type, 6 mm - 1.0	2
	233724A1	BOLT - hex washer, self-aligning, 6 - 1.0 x 25 mm	2
	895-15006	WASHER - flat, 6.6 x 25 x 1.6 mm	2
26	299001A1	COVER - right-hand lower front, optional deluxe interior.	1
27	300152A1	COVER - left-hand lower front, optional deluxe interior, not shown	1
28	303106A1	SEAL - noise reduction, insulation, right-hand front firewall	1
29	297913A1	SEAL - noise reduction, insulation, front firewall	1
30	303108A1	SEAL - noise reduction, insulation, left-hand front firewall	1
31	303105A1	SEAL - noise reduction, insulation, front firewall	2
32	303109A1	SEAL - noise reduction, insulation, firewall	1
33	353-407	PLUG - button, 11/16 inch, rear filter plate on models without windshield washer.	1
	108794A2	PAD - bulk, 577 x 813 x 6.4 mm, insulation.	1

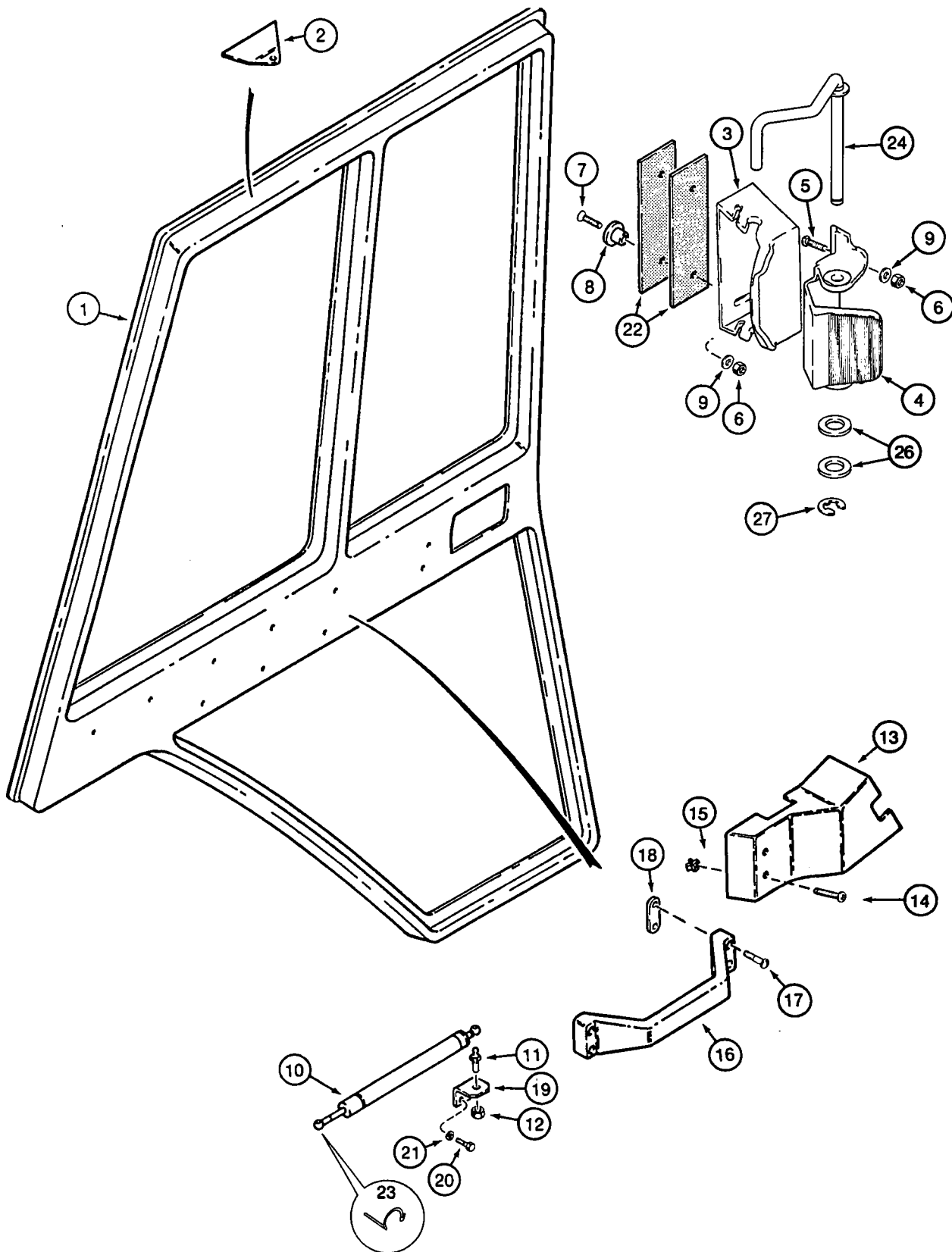
9-138



570LXT and 580L Series 2**9-139****LEFT-HAND AND RIGHT-HAND CAB DOORS - EXTERIOR**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	137869A3	FRAME - right-hand door.	1
1A	137868A3	FRAME - left-hand door, not shown	1
2	R53562	BRACKET - cable, welded to left-hand or right-hand door frame	1
3	187582A2	SEAL - bulb type, with drain holes, 4585 mm (180-1/2 inch) long, with self adhesive	2
4	R53444	SEAL - bulb type, 2689 mm (105-7/8 inch) long, left-hand and right-hand window frames	2
5	R52882	GLASS - right-hand door, rear window, tinted	1
5A	R52881	GLASS - left-hand door, rear, window, tinted, not shown	1
6	R52880	GLASS - right-hand door, front, tinted	1
6A	R52879	GLASS - left-hand door, front, tinted, not shown	1
7	R52884	GLASS - right-hand door, lower, tinted	1
7A	R52883	GLASS - left-hand door, lower, tinted, not shown	1
8	R52917	HINGE - glass, door window	4
9	142-103	SCREW - machine, oval Phillips, No. 10 NC x 3/4 inch, left-hand and right-hand door window hinge	12
10	F64198	SPACER - nylon, black, glass to hinge, left-hand and right-hand door window hinge	12
11	F45165	NUT - hex, self-locking, special, No. 10 NC, Teflon coated, left-hand and right-hand door window hinge	12
12	196675A2	HANDLE - right-hand door, outer	1
12A	196673A2	HANDLE - left-hand door, outer, not shown	1
13	F64342	GASKET - door handle, left-hand and right-hand	2
14	231-14109	NUT - hex, self-locking, No. 10 NC, left-hand and right-hand handles	4
	255450A1	KIT - service, inner door handle, includes (1 each) Ref 15 - 15B, plus instructions.	1
15	255453A1	LEVER - inner left-hand or right-hand door latch handle	1
15A	814-8045	BOLT - hex, 8 - 1.25 x 45 mm	1
15B	832-10408	NUT - hex, self-locking, 8 mm - 1.25	1
16	D135387	KNOB - lever, inner door latch.	2
17	R55000	LATCH ASSEMBLY - door, right-hand, rotary.	1
17A	R55001	LATCH ASSEMBLY - door, left-hand, rotary, not shown.	1
18	A180163	SPRING - extension, left-hand or right-hand door latch.	1
19	265-16512	SCREW - self-tapping, oval Phillips, No. 10-16 x 3/4 inch, left-hand and right-hand door latch	4
20	137731A1	SCREW - machine, flat head Phillips, special, 1/4 NC x 1 inch, left-hand and right-hand door latch.	8
21	1977401C1	BRACKET - latch, right-hand rotary.	1
21A	1977402C1	BRACKET - latch, left-hand rotary, not shown	1
22	443-13112	SCREW - machine, flat Phillips, 5/16 NC x 3/4 inch	6
23	231-5145	NUT - hex serrated flange, 5/16 inch NC.	6

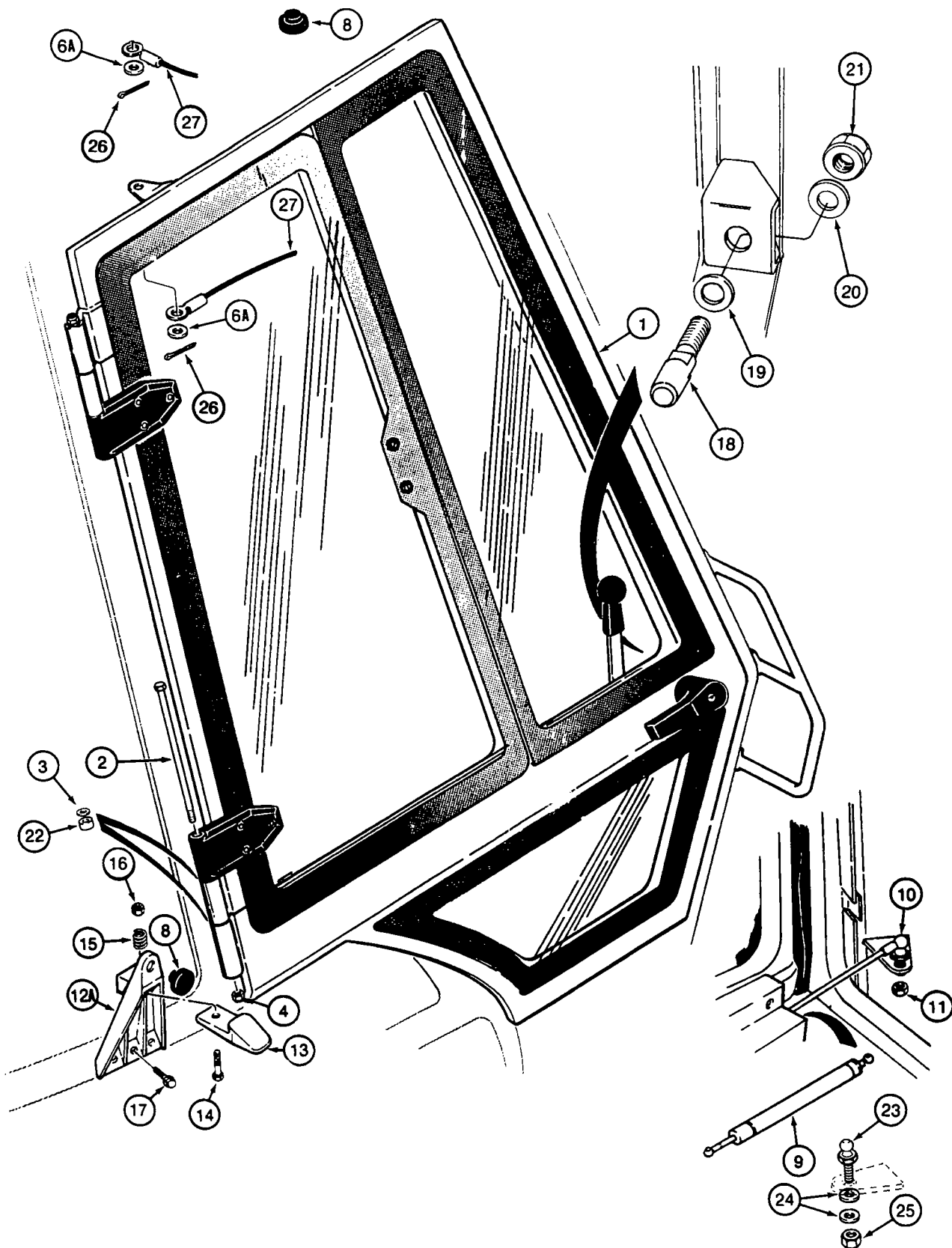
9-140



570LXT and 580L Series 2**9-141****LEFT-HAND AND RIGHT-HAND CAB DOORS - INTERIOR**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	137868A3	FRAME - left-hand door	1
1A	137869A3	FRAME - right-hand door, not shown	1
2	R53562	BRACKET - cable, welded to left-hand or right-hand door frame	1
3	281069A1	HANDLE - door window	2
4	281068A1	LATCH - push type, door window	2
5	140-104	SCREW - machine, pan head Phillips, No. 8 NC x 3/4 inch	4
6	F45165	NUT - hex, self-locking, special, No. 10 NC	8
7	142-103	SCREW - machine, oval Phillips, No. 10 NC x 3/4 inch	4
8	F64198	SPACER - nylon, black, glass to bracket.	4
9	195-81023	WASHER - flat, 1/4 x 9/16 x 3/64 inch.	8
10	F44881	CYLINDER - door, left-hand and right-hand	2
11	1340345C1	STUD - ball, cylinder	2
12	230-4215	NUT - hex, self-locking, 5/16 inch NC	2
13	108938A2	PANEL - left-hand door	1
13A	108936A2	PANEL - right-hand door	1
14	260-16524	SCREW - self-tapping, pan Phillips, No. 10-16 x 1-1/2 inch, black, left-hand and right-hand door panels.	4
15	R53000	RETAINER - screw, left-hand and right-hand door panels	4
16	1958970C1	HANDLE - left-hand and right-hand inner door	2
17	165-129	BOLT - hex socket, self-locking, 1/4 NC x 3/4 inch, black, left-hand and right-hand inner door handles	8
18	1971368C1	PLATE - retainer, left-hand and right-hand inner door handle.	4
19	1977399C1	BRACKET - cylinder	2
20	413-48	BOLT - hex, 1/4 NC x 1/2 inch.	4
21	492-11025	WASHER - lock, 1/4 inch.	4
22	R54047	SHIM - latch bracket, left-hand and right-hand door window	4
23	F44883	RETAINER - lock, clip	2
24	291129A1	ROD - window prop, hold open, left-hand	1
25	280336A1	ROD - window prop, hold open, right-hand, not shown.	1
26	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	4
27	100-3331	RING - E-type, external retaining, No. 31	2

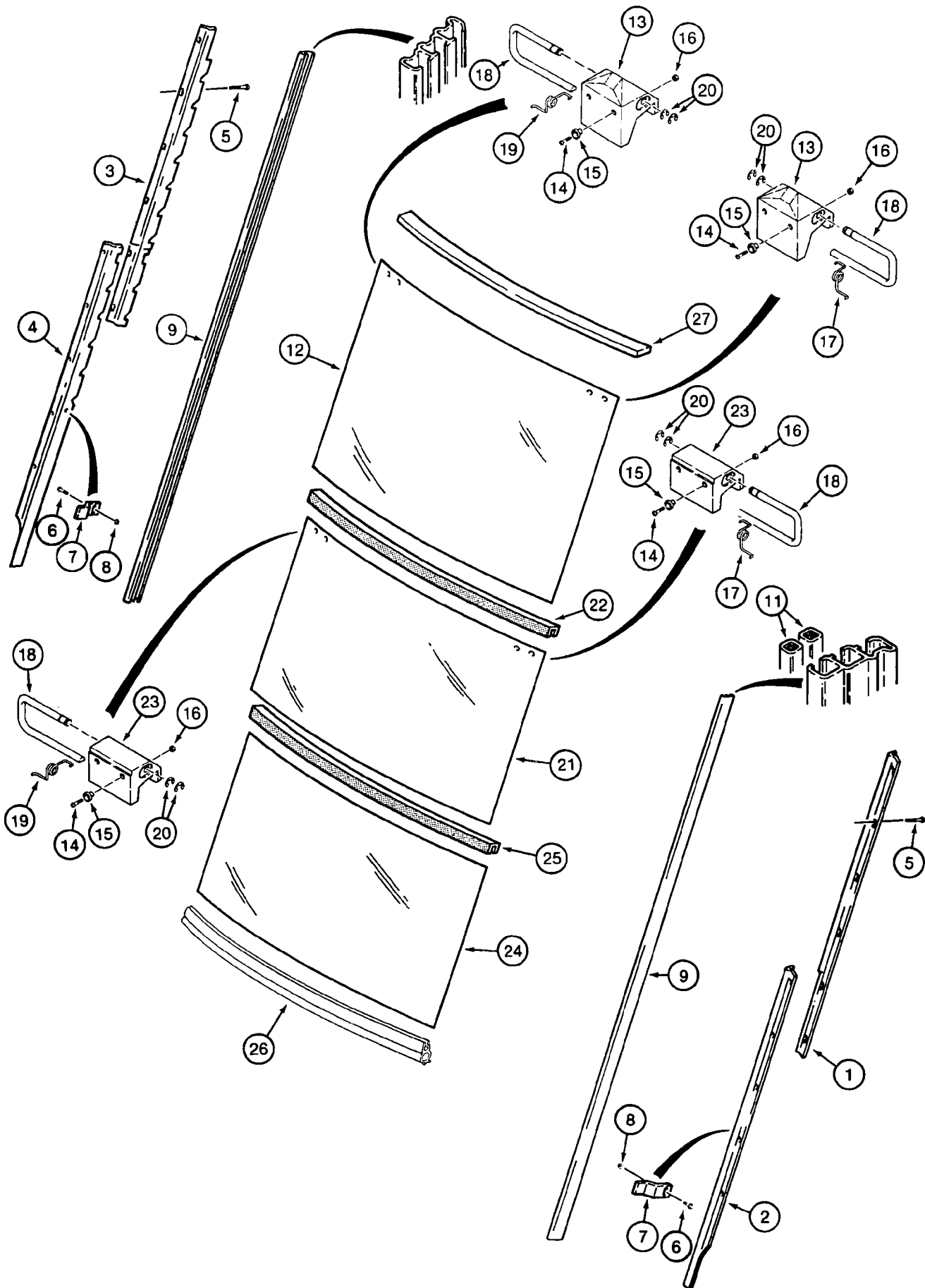
9-142



570LXT and 580L Series 2**9-143****LEFT-HAND AND RIGHT-HAND CAB DOOR MOUNTING**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	REF	DOOR - cab, see page 9-139 through 9-143.	1
2	413-6152	BOLT - hex, 3/8 NC x 9-1/2 inch	4
3	F64046	WASHER - thrust, plastic.	8
4	131-203	NUT - light hex, self locking, 3/8 inch NC	4
6A	495-21038	WASHER - flat, 3/8 x 7/8 x 3/32 inch.	4
8	L60224	BUMPER - rubber, cab door frame and window latch.	4
9	F44881	CYLINDER - door, left-hand and right-hand	2
10	1340345C1	STUD - ball, cylinder, right-hand door	1
11	230-4215	NUT - hex, self-locking, 5/16 inch NC	2
12	230590A1	BRACKET - left-hand cab door window retaining, mounts to frame, black, not shown	1
12A	230589A1	BRACKET - right-hand cab door window retaining, mounts to frame, black	1
13	230588A1	LATCH - door window to cab frame.	2
14	413-420	BOLT - hex, 1/4 NC x 1-1/4 inch, latch to bracket	2
15	D36669	SPRING - compression, left-hand and right-hand window latch release.	2
16	230-4214	NUT - hex, self-locking, 1/4 inch NC	2
17	281-18712	SCREW - self-tapping, hex washer head, 1/4 NC x 3/4 inch, bracket to frame	6
18	R52735	STRIKER - door latch	2
19	F44748	SPRING - Belleville, washer	2
20	495-81148	WASHER - flat, 7/16 x 1-1/4 x 1/8 inch	2
21	230-4217	NUT - hex, self-locking, 7/16 inch NC	2
22	107949A1	BUSHING - door hinge	8
23	139362A1	STUD - upper ball, 10 mm - 1.5, cylinder, left-hand door	1
24	495-71041	WASHER - flat, 13/32 x 1-1/4 x 3/32 inch	2
25	832-10410	NUT - hex, self-locking, 10 mm - 1.5	1
26	136-154	PIN - cotter, hair, 7/64 x 1-1/8 inch, mounts to clevis pin welded to frame	4
27	225059A1	CABLE - door, upper	2
	228689A1	PIN - clevis, welded to cab frame, not shown	4

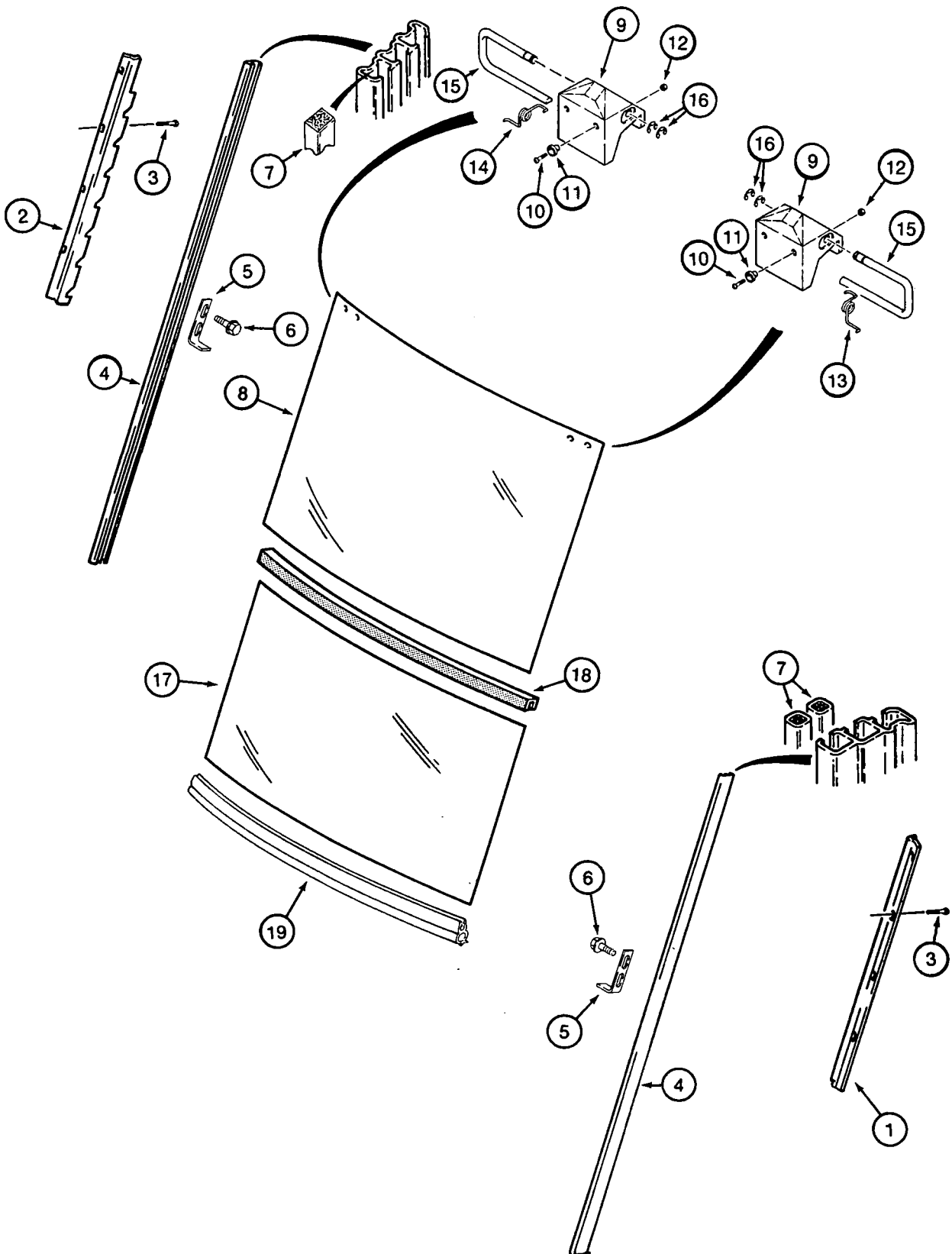
9-144



570LXT and 580L Series 2**9-145****CAB REAR WINDOW****580L MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	97256C3	BRACKET - right-hand, upper	1
2	97257C3	BRACKET - right-hand, lower	1
3	97258C3	BRACKET - left-hand, upper	1
4	97259C3	BRACKET - left-hand, lower	1
5	281-54512	SCREW - self-tapping, hex washer head, No. 10 NC x 3/4 inch	18
6	458-412	BOLT - hex flange, 1/4 NC x 3/4 inch	2
7	D129974	BRACKET - window, lower rear.	2
8	231-5344	NUT - hex flange, self-locking, 1/4 inch NC.	2
9	1989960C1	CHANNEL - track.	2
11	179355A1	SEAL - foam, adhesive-backed, 1536 mm (60-15/32 inch) long, special, track channel both sides	4
12	D129967	GLASS - upper rear window	1
13	97278C1	LATCH - upper rear window only.	2
14	442-11016	SCREW - machine, oval Phillips, No. 10 NC x 1 inch	8
15	F64198	SPACER - nylon, black, special.	8
16	230-42409	NUT - hex, self-locking, No. 10 NC	8
17	1990727C1	SPRING - right-hand latch.	2
18	1344232C1	LEVER - latch, metal, left-hand and right-hand	4
19	1990728C1	SPRING - left-hand latch	2
20	100-3337	RING - E-type, external retaining, No. 37, latch lever	8
21	D129968	GLASS - center rear window	1
22	D126198	SEAL - 912 mm (35-29/32 inch) long, center window glass	1
23	97277C1	LATCH - window, center window.	2
24	D129969	GLASS - lower rear window.	1
25	D126198	SEAL - 912 mm (35-29/32 inch) long, lower window glass	1
26	137315A1	TRIM - edge, bulk, 900 mm (35-7/16 inch) long, lower rear glass.	1
27	106974A1	SEAL - foam, adhesive-backed, 20 x 10 x 912 mm, upper rear glass.	1

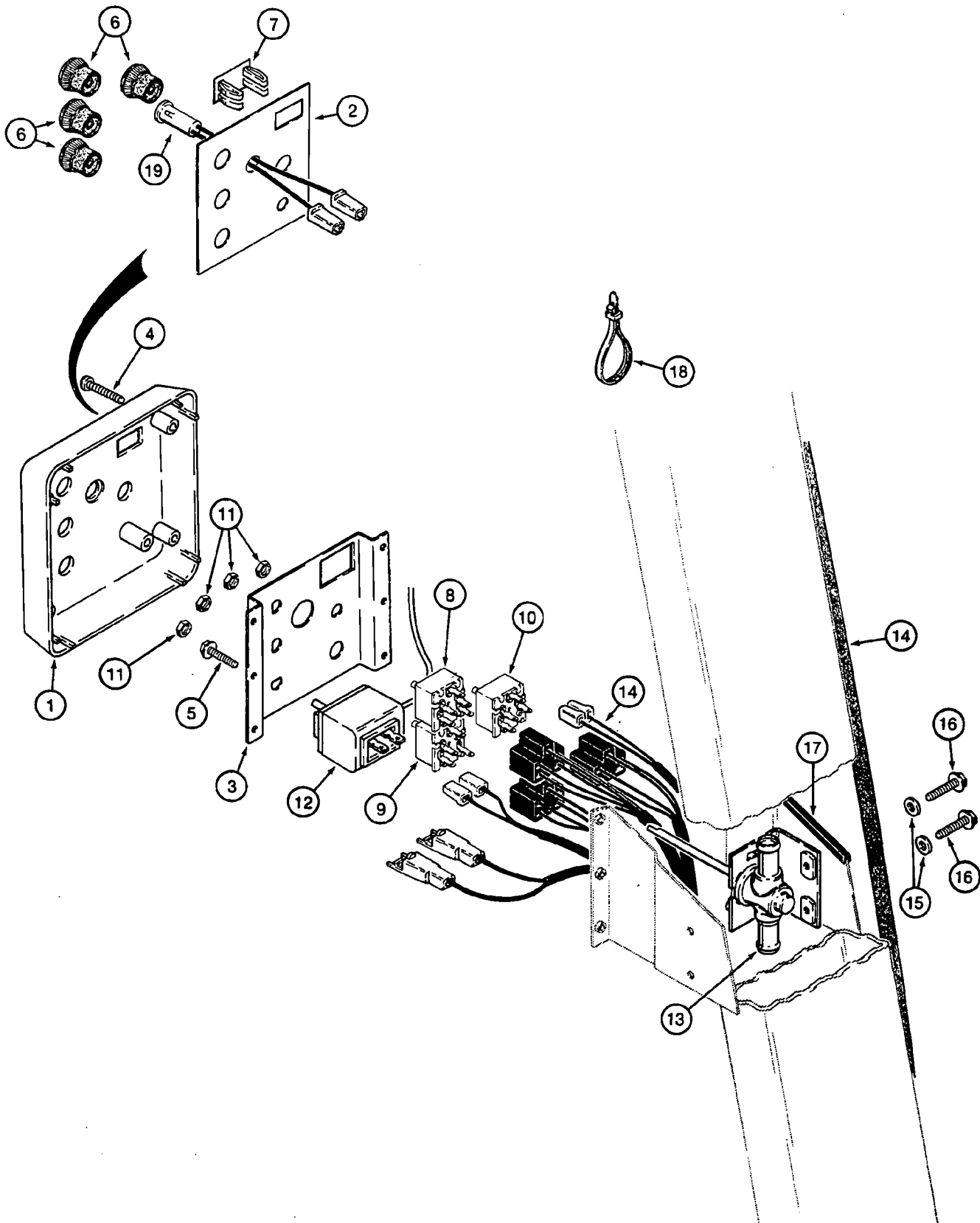
9-146



570LXT and 580L Series 2**9-147****CAB REAR WINDOW****570LXT MODELS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	177252A1	BRACKET - right-hand, upper	1
2	177251A1	BRACKET - left-hand, upper	1
3	281-54512	SCREW - self-tapping, hex washer head, No. 10 NC x 3/4 inch	8
4	177994A2	CHANNEL - track.	2
5	177833A1	BRACKET - window stop, lower rear.	2
6	282-16512	SCREW - self-drilling tapping, hex washer head, No. 10-16 x 3/4 inch, Teflon.	4
7	178130A1	SEAL - foam, rear window, front two track grooves, track channel both sides	4
8	D129967	GLASS - upper rear window	1
9	97278C1	LATCH - upper rear window only.	2
10	442-11016	SCREW - machine, oval Phillips, No. 10 NC x 1 inch	4
11	F64198	SPACER - nylon, black, special.	4
12	230-42409	NUT - hex, self-locking, No. 10 NC	4
13	1990727C1	SPRING - right-hand latch.	1
14	1990728C1	SPRING - left-hand latch	1
15	1344232C1	LEVER - latch, metal, left-hand and right-hand	2
16	100-3337	RING - E-type, external retaining, No. 37, latch lever	4
17	175092A1	GLASS - lower rear window.	1
18	D126198	SEAL - 912 mm (35-29/32 inch) long, lower window glass	1
19	137315A1	TRIM - edge, bulk, 900 mm (35-7/16 inch) long, lower rear glass.	1

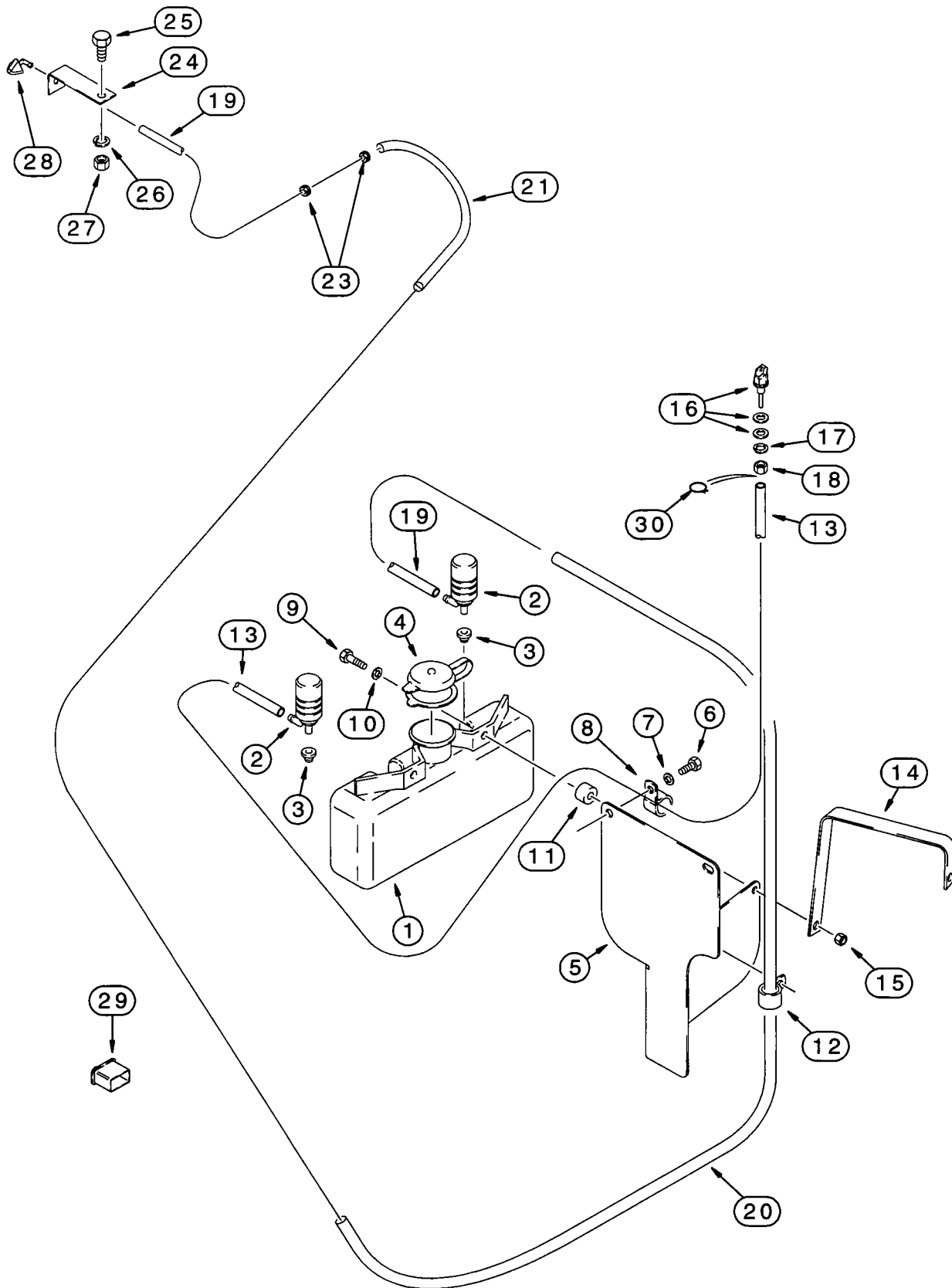
9-148



570LXT and 580L Series 2
9-149
CAB CONTROL PANEL AND WIRING

REF.	PART NO.	DESCRIPTION	REQ'D.
1	135185A1	PANEL - cab control, includes decal, mounts on right-hand ROPS post	1
2	135183A1	DECAL - instrument symbols, wipers and environmental control, item 3 shown on page 9-181	1
3	136036A1	BRACKET - switch support	1
4	286-56520	SCREW - self-tapping, Fillister head, No. 10 NC x 1-1/4 inch.	4
5	281-54512	SCREW - self-tapping, hex washer head, No. 10 NC x 3/4 inch.	2
6	111282C1	KNOB - control, switch, front and rear wiper, heater, blower, and air conditioner.	4-5
7	126844A1	PLUG - cab accessory, see page 9-151 for windshield washer switch	1
8	245258A1	SWITCH - blower.	1
9	R52440	SWITCH - rear wiper	1
	245706C1	PLUG - plastic, rear wiper, blower, windshield wiper, if used, not shown	3
10	R52415	SWITCH - front wiper.	1
11	A42561	NUT - retaining, 7/16 inch NC, switch	4
12	1340287C1	SWITCH - temperature control, air conditioning	1
13	R52483	VALVE - temperature control, heater.	1
14	REF	HARNESS - cab, main, see page 4-33 for cab harness	1
15	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	2
16	458-412	BOLT - hex flange, 1/4 NC x 3/4 inch, mounts heater temperature control valve to ROPS post	2
17	D36179	TRIM - edge, 108 mm (4-1/2 inch) long, cut from F42827 bulk trim, control panel bracket, see below	1
18	473321C1	STRAP - tie	4
19	1964672C1	LIGHT - indicator, amber, 14 volt, air conditioning	1
	F42827	TRIM - edge, bulk, 2946 mm (116 inch) long	1

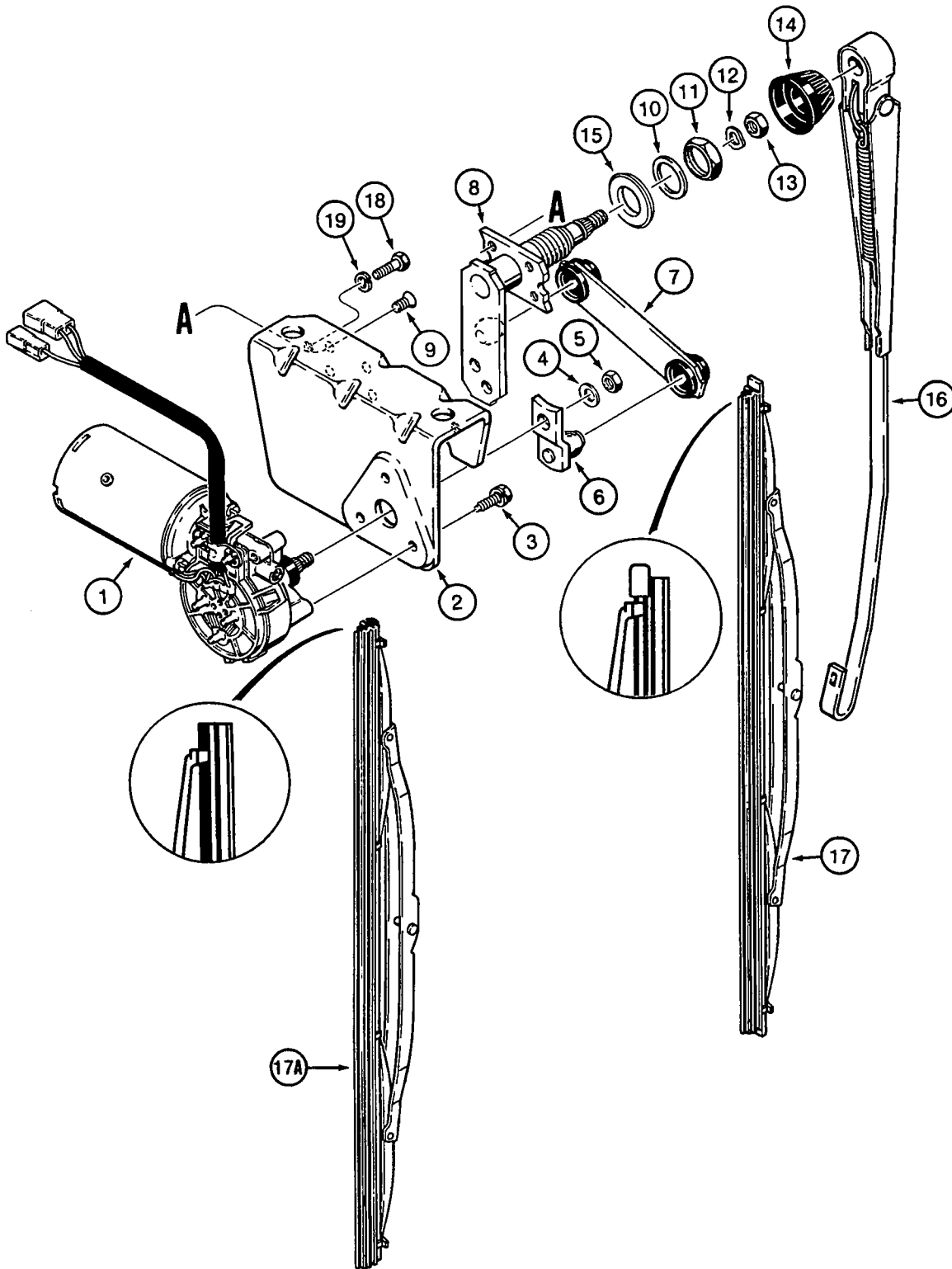
9-150



570LXT and 580L Series 2**9-151****WINDSHIELD WASHERS - FRONT AND REAR**

REF.	PART NO.	DESCRIPTION	REQ'D.
	E46560	RESERVOIR - windshield washer	1
1	NSS	RESERVOIR - windshield washer	1
2	E47238	PUMP - windshield washer	2
3	E47239	GASKET - mounting	2
4	E47240	CAP - reservoir	1
5	226376A1	BRACKET - reservoir mounting, mountings to firewall	1
6	806-8040	BOLT - hex, self-locking, 10 - 1.5 x 40 mm, class 10.9	2
7	895-15008	WASHER - flat, 9 x 20 x 1.6 mm	2
8	515-2295	CLAMP - P-type, 3/8 inch ID	1
9	814-10040	BOLT - hex, 10 - 1.5 x 40 mm	2
10	895-15010	WASHER - flat, 11 x 24 x 2 mm	2
11	E46561	SPACER - plastic	2
12	D147383	CLAMP - J-type, 5/8 inch diameter	1
13	292408A1	HOSE - 850 mm (33-1/2 inch) long, front washer, fixed hood to reservoir pump closest to the firewall	1
14	292202A1	BRACKET - support, uses existing air cleaner mounting hardware, without turbocharged engine	1
14	295597A1	BRACKET - support, uses existing air cleaner mounting hardware, with turbocharged engine	1
15	832-10410	NUT - hex, self-locking, 10 mm - 1.5	2
16	284154A1	NOZZLE - washer, front, includes steel and rubber washer which are not serviced separately	1
17	492-11038	WASHER - lock, 3/8 inch	1
18	425-106	NUT - hex, 3/8 inch NC	1
19	226584A1	HOSE - 5020 mm (197-11/16 inch) long, rear washer, mounts to reservoir pump located the furthest away from the firewall	1
20	226582A1	SLEEVE - hose, 1850 mm (72-7/8 inch), lower hose	1
21	226580A1	SLEEVE - hose, 520 mm (20-1/2 inch), upper hose	1
23	E46524	GROMMET - rubber, 8 (5/16) ID x 23 mm (29/32 inch) OD	2
24	305818A1	BRACKET - rear nozzle mounting	1
25	614-10025	BOLT - hex, full threads, 10 - 1.5 x 25 mm	1
26	892-11010	WASHER - lock, 10 mm	1
27	829-1410	NUT - hex, 10 mm - 1.5, class 10.9	1
28	E43769	NOZZLE - washer, rear, includes rubber gasket which is not serviced separately	1
29	144900A1	SWITCH - rocker, windshield washer, front and rear, mounts in cab control panel	1
30	305578A1	CLAMP - hose	1

9-152

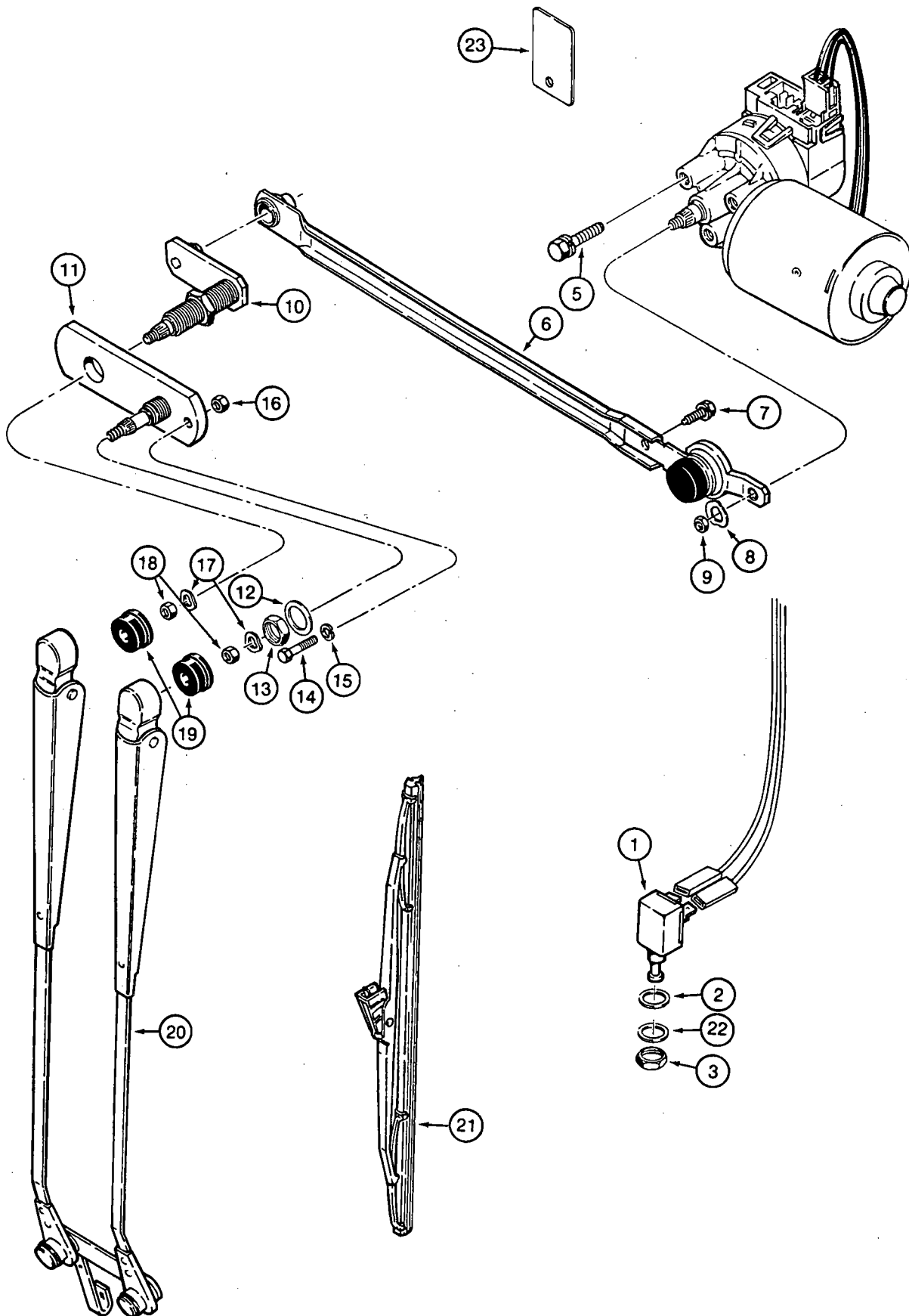


570LXT and 580L Series 2**9-153****CAB FRONT WINDSHIELD WIPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
	A186171	WIPER ASSEMBLY - windshield, 12 volt, with bracket, front windshield wiper	1
1	A186256	MOTOR - wiper, 12 volt, windshield wiper	1
2	N8359	BRACKET - windshield wiper assembly	1
3	N8362	SCREW - with washer, special, motor to bracket.	3
4	N8361	WASHER - Belleville	1
5	L112090	NUT - hex, special	1
6	N8360	ARM - drive	1
7	N8358	LINK - wiper	1
8	N14112	SHAFT - pivot.	1
9	N8356	SCREW - special, pivot shaft to bracket	4
10	L112088	WASHER - special, large, shaft.	1
11	L112087	NUT - special, large, shaft	1
12	L112089	WASHER - wave, special, shaft end	1
13	L112090	NUT - hex, special, shaft end	1
14	L112081	CAP - pivot shaft end.	1
15	R54241	SPACER - pivot shaft	1
16	D128745	ARM - windshield wiper, 570 mm (22-7/16 inch) long, complete.	1
17	*A187909	BLADE - wiper arm, complete, used in production, 500 mm (19-11/16 inch) long, not available for service, for complete blade order item 17A, 132024A1	1
17A	*132024A1	BLADE - wiper arm, complete, for blade only, order 132025A1 blade refill, shown below	1
18	414-412	BOLT - hex, 1/4 NF x 3/4 inch	2
19	492-11025	WASHER - lock, 1/4 inch.	2
	*1983335C1	BLADE - rubber, 500 mm long, refill for A187909 complete blade, see note, no longer available, order item 17A, 132024A1	1
	*132025A1	BLADE - rubber, 500 mm long, refill for 132024A1 complete blade, see note	1

NOTE: See the blade ends in the illustrations for items 17 and 17A to determine which blade to order.

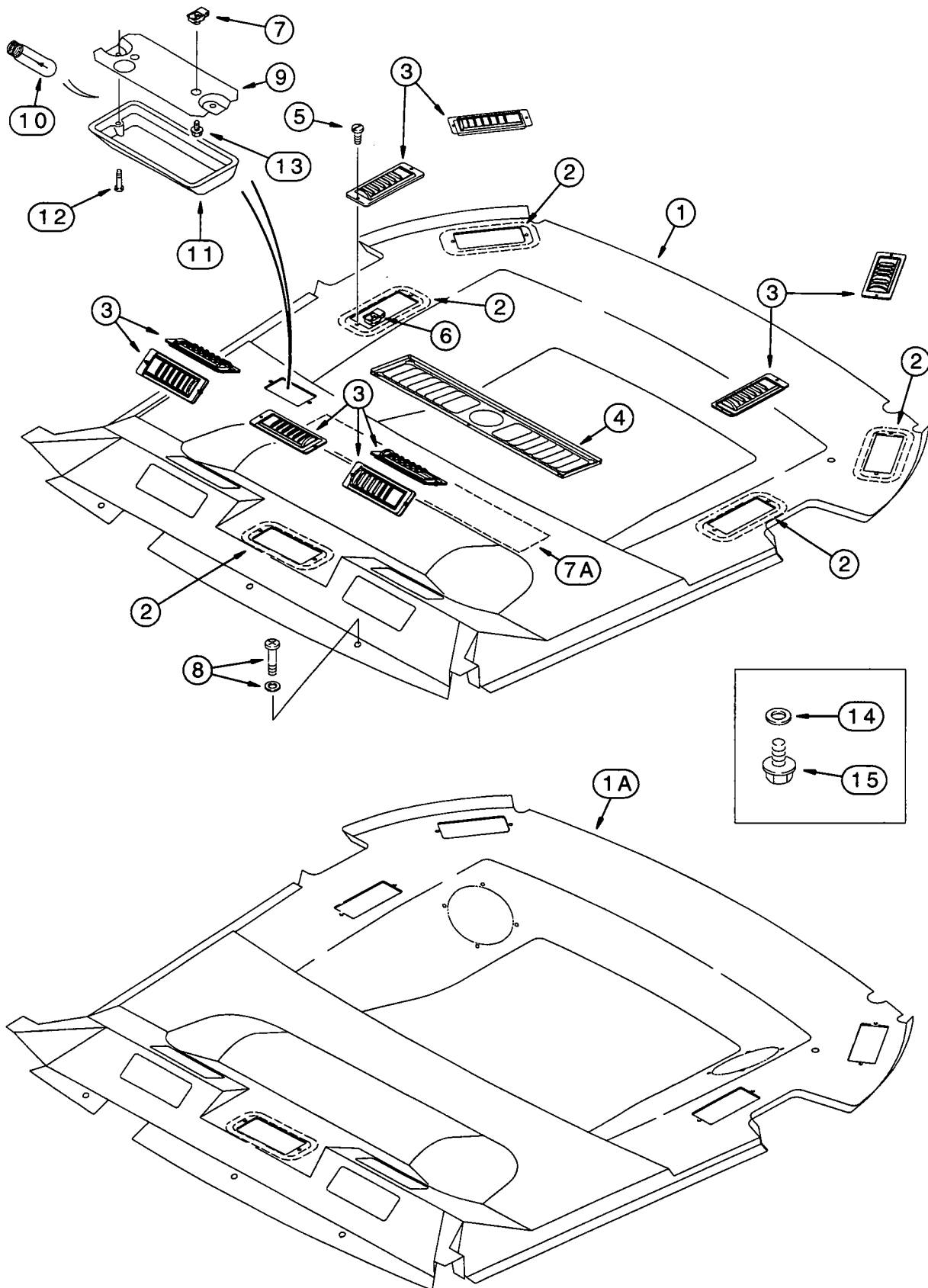
9-154



570LXT and 580L Series 2**9-155****CAB REAR WINDSHIELD WIPER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	A187714	SWITCH - wiper stop, mounts to window frame inside filter compartment	1
2	A165395	WASHER - flat, 1/2 x 1 x 1/16 inch, used as a seal.	1
3	425-157	NUT - hex, jam, 7/16 inch NF	1
4	184118A1	MOTOR - wiper, 12 volt, rear windshield wiper	1
5	N8362	SCREW - with washer, special, motor to cab frame	3
	D128018	LINK ASSEMBLY - wiper, rear motor to wiper pivot shafts	1
6	NSS	LINK - crank	1
7	N8362	SCREW - with washer, special.	1
8	N8361	WASHER - Belleville	1
9	L112090	NUT - hex, special	1
10	D128020	SHAFT - pivot, with ball, includes nut	1
11	D128021	SHAFT - pivot	1
12	L112088	WASHER - special, large, shaft.	1
13	L112087	NUT - special, large, shaft	1
14	413-416	BOLT - hex, 1/4 NC x 1 inch	1
15	492-11025	WASHER - lock, 1/4 inch.	1
16	425-104	NUT - hex, 1/4 inch NC	1
17	L112089	WASHER - wave, special, shaft end	2
18	L112090	NUT - hex, special, shaft end	2
19	L112081	CAP - pivot shaft end.	2
20	R52408	ARM - wiper, rear windshield.	1
21	D128022	BLADE - wiper, rear windshield.	1
22	495-21044	WASHER - flat, 7/16 x 1 x 5/64 inch	1
23	193707A1	PLATE - retainer, harness, mounts on existing wiper motor mounting bolt.	1

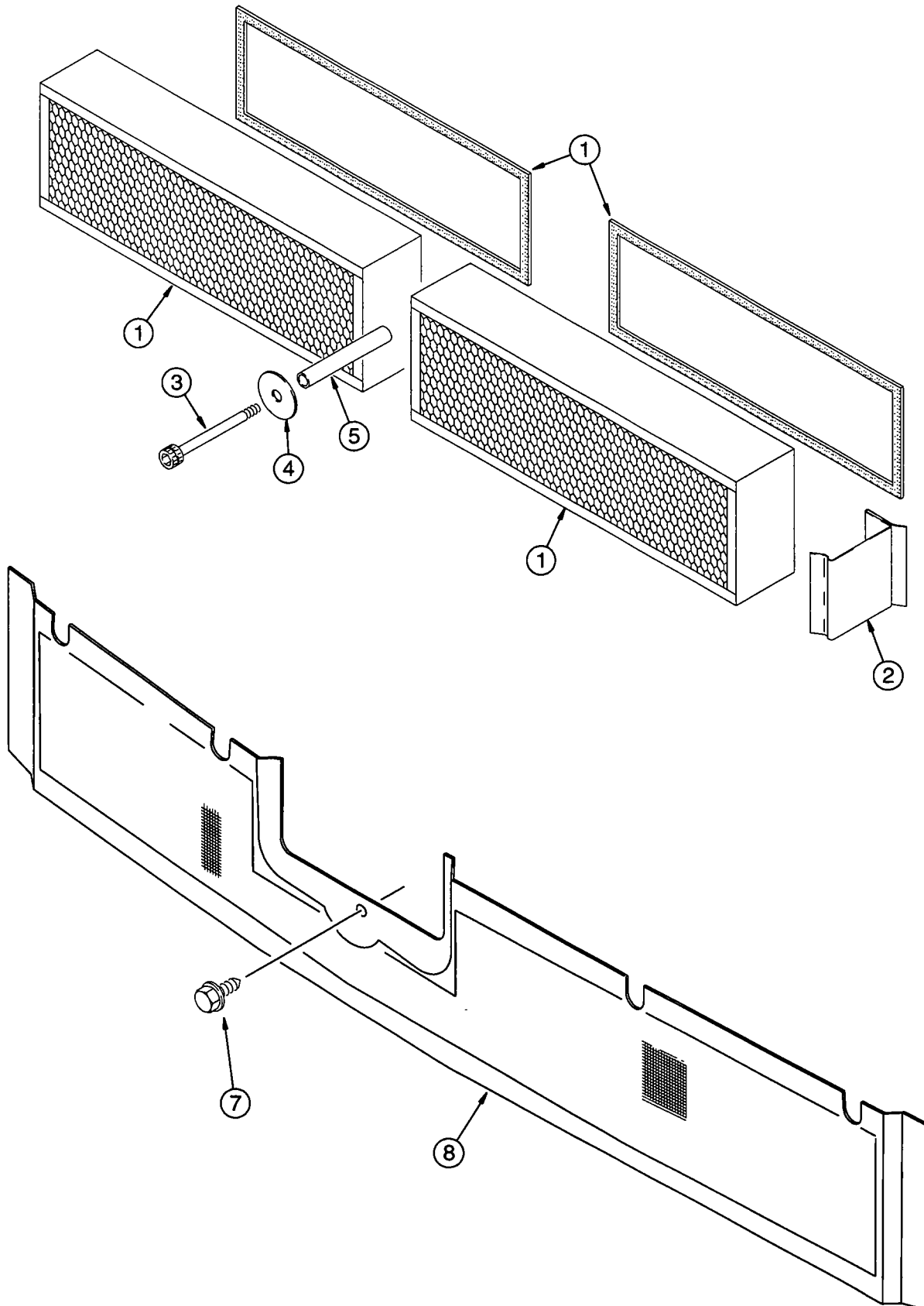
9-156



570LXT and 580L Series 2
9-157
CAB HEADLINER, LOUVERS AND DOME LAMP

REF.	PART NO.	DESCRIPTION	REQ'D.
	137135A1	HEADLINER ASSEMBLY - cab, standard, models without speakers and radio.	1
	*300157A1	HEADLINER ASSEMBLY - cab, models with speakers and radio.	1
1	NSS	HEADLINER - cab, without speakers and radio.	1
1A	NSS	HEADLINER - cab, models with speakers and radio.	1
2	131973A1	SEAL - duct.	5
3	125688A1	LOUVER - headliner, heat and air.	9
4	1331102C2	LOUVER - air recirculation.	1
4A	NSS	KNOB - louver, not shown.	1
5	140-103	SCREW - machine, pan head Phillips, No. 6 NC x 3/4 inch.	24
6	125749A1	NUT - U-type, No. 6 NC.	24
7	131-861	CLAMP - U-type, No. 10 NC, no threads, dome lamp retaining.	2
7A	186797A1	SEAL - adhesive-backed, 19 x 75 x 550 mm, 137135A1 headliner only.	1
8	*F64519	SCREW - self-tapping, special, No. 10-16 x 3/4 inch, with washer, headliner to cab frame, used in production, order F64315 washer and 265-16512 screw for service.	5
	R53755	LAMP ASSEMBLY - dome, 12 volt, see page 4-17 for switch.	1
9	NSS	BASE - dome lamp.	1
10	N14466	BULB - dome lamp.	1
11	N14465	LENS - dome lamp.	1
12	440-1088	SCREW - machine, pan Phillips, No. 8 NC x 1/2 inch, base to lens.	2
13	*281-54512	SCREW - self-tapping, hex washer head, No. 10 NC x 3/4 inch, lamp to headliner.	2
14	*194858A1	WASHER - flat, special.	2
15	*D134923	CAP - bolt, rear headliner.	2
	*292654A1	PACKAGE - radio-ready, order from Machinery Price List, includes above items marked with an asterisk, plus see parts on pages 4-25 and 4-49.	1

9-158



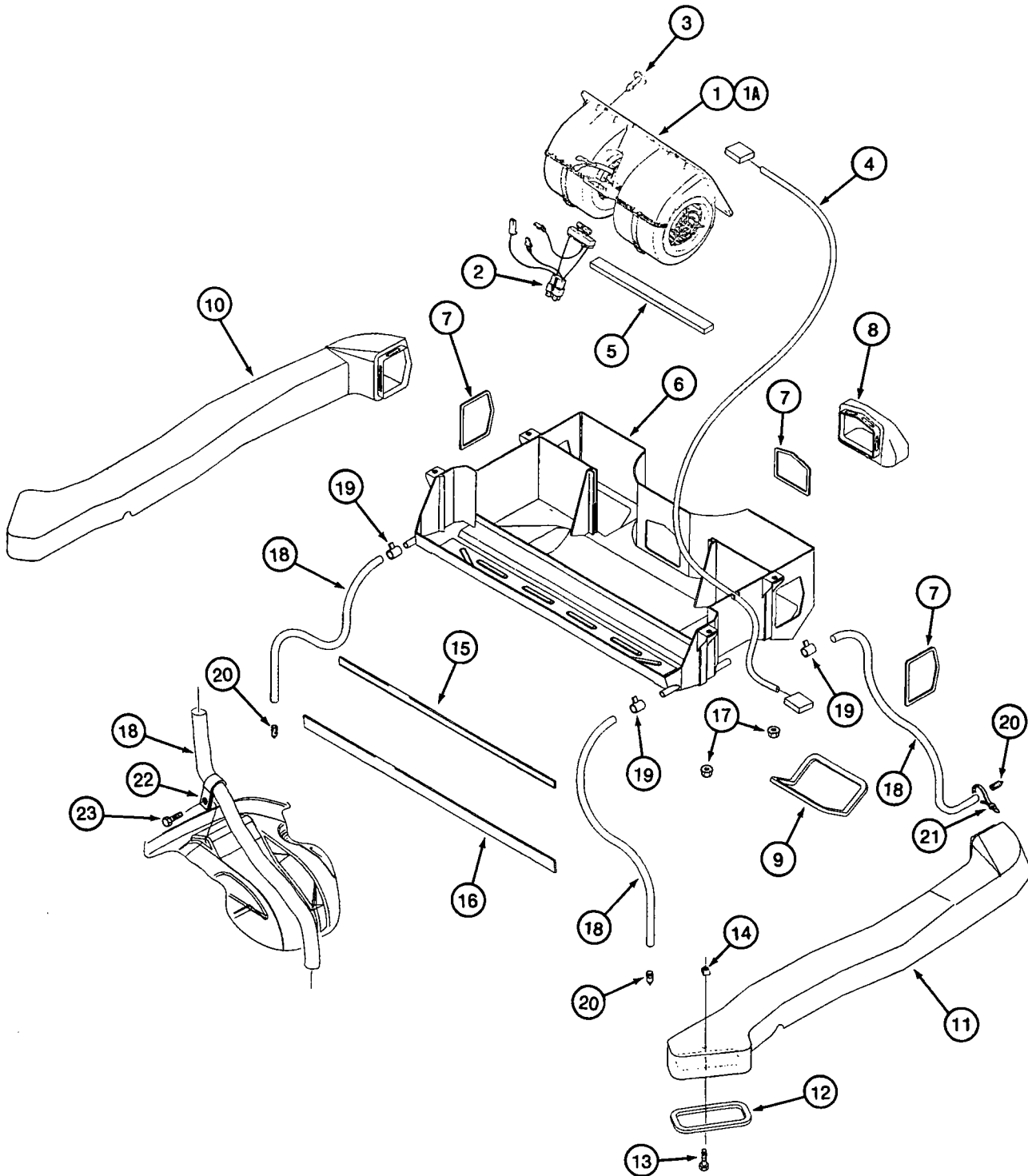
570LXT and 580L Series 2

9-159

CAB AIR FILTER

REF.	PART NO.	DESCRIPTION	REQ'D.
1	139768A1	FILTER - air, complete, includes gasket	2
2	123206A2	BRACKET - right-hand, air filter retainer	1
3	461-33148	BOLT - hex socket, 5/16 NC x 3 inch	1
4	495-81121	WASHER - flat, 11/32 x 1-1/2 x 1/16 inch	1
5	140327A1	SPACER - filter	1
7	281-54712	SCREW - self tapping, hex washer head, 1/4 NC x 3/4 inch	1
8	243603A1	SCREEN - filter, rear	1

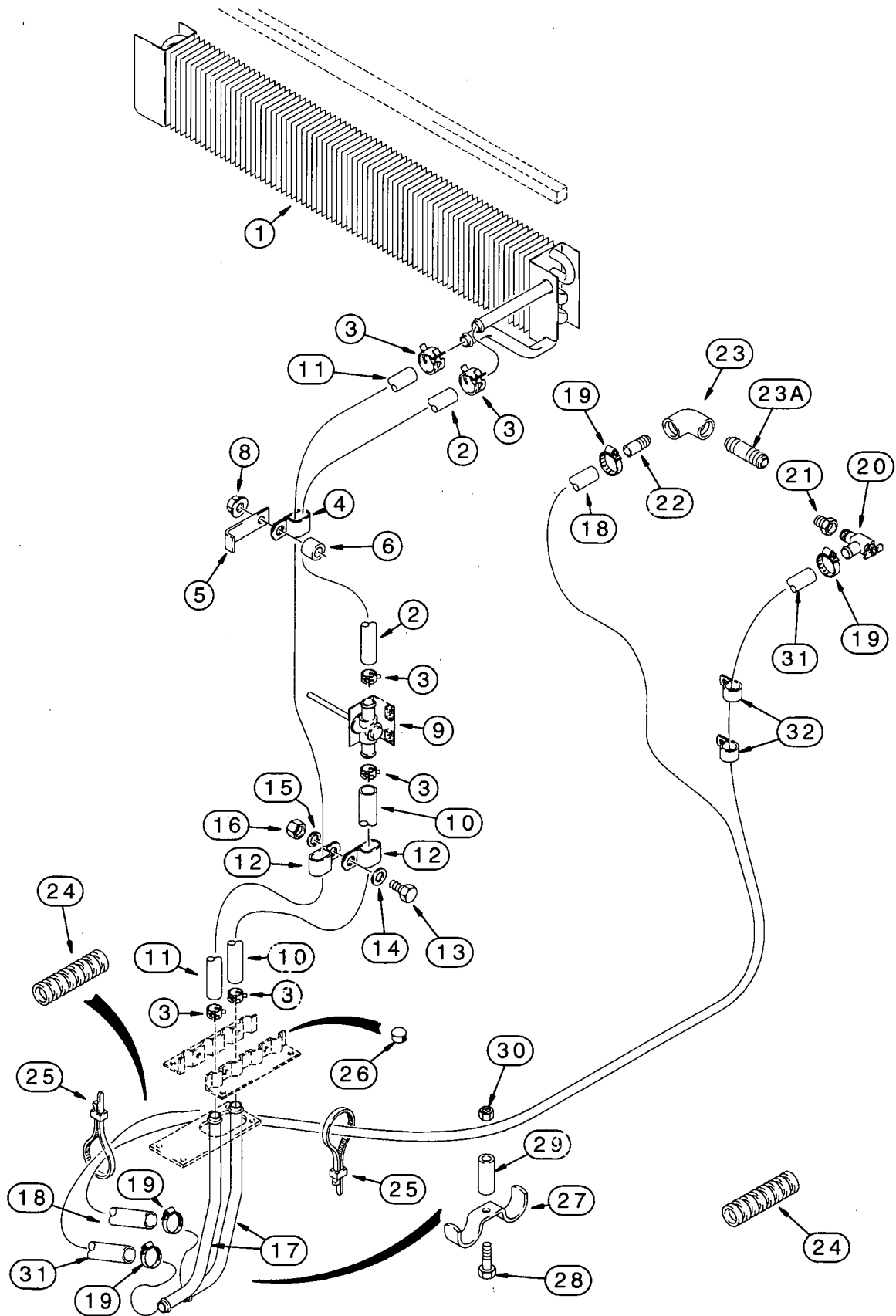
9-160



570LXT and 580L Series 2
9-161
CAB
**BLOWER HOUSING, HEAT AND AIR VENTILATION DUCTS
AND DRAIN LINES**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	1340492C2	BLOWER ASSEMBLY - air, cab, component parts not serviced separately, used in production, for service order 1977564C2 blower assembly and 1343938C1 resistor, items 1A and 2 below	1
1A	1977564C2	BLOWER - cab, air, component parts not serviced separately	1
2	1343938C2	RESISTOR - blower.	1
3	182697A1	RETAINER - plastic fastener	5
4	189404A1	HARNESS - jumper, blower.	1
5	181981A1	SEAL - adhesive-backed, 6 (5/16) x 20 (51/64) x 355 mm (14 inch) long.	1
6	134125A1	HOUSING - ventilation, heat and air	1
7	128406A1	SEAL - ventilation housing to duct.	3
8	131039A1	DUCT - small, front	1
9	131974A1	SEAL - ventilation housing, lower front	2
10	131041A1	DUCT - left-hand, large	1
11	131042A1	DUCT - right-hand, large	1
12	131973A1	SEAL - duct	2
13	845-6020	BOLT - heavy hex flange, 6 - 1.0 x 20 mm	2
14	833-40406	NUT - U-type, 6 mm - 1.0	2
15	1987097C1	SEAL - 9 (23/64) x 19 (3/4) x 735 mm (29 inch) long, air conditioning drain pan	1
16	1987096C1	SEAL - 9 (23/64) x 19 (3/4) x 765 mm (30-1/8 inch) long, air conditioning drain pan	1
17	832-10408	NUT - hex, self-locking, 8 mm - 1.25	4
18	127073A1	HOSE - 13 (1/2) x 16 (5/8) x 2850 mm (112-13/64 inch) long, front and rear drain	4
19	214-1404	CLAMP - adj, 1/4 - 5/8 inch dia	4
20	109239C2	VALVE - check, drain.	4
21	L18337	STRAP - tie, 15 inch, nylon, retaining, retain front drain hoses to hydraulic lines	2
22	184289A1	CLAMP - hose, mounts on left-hand fender	1
23	282-16512	SCREW - self-drilling tapping, hex washer head, No. 10-16 x 3/4 inch, Teflon.	1

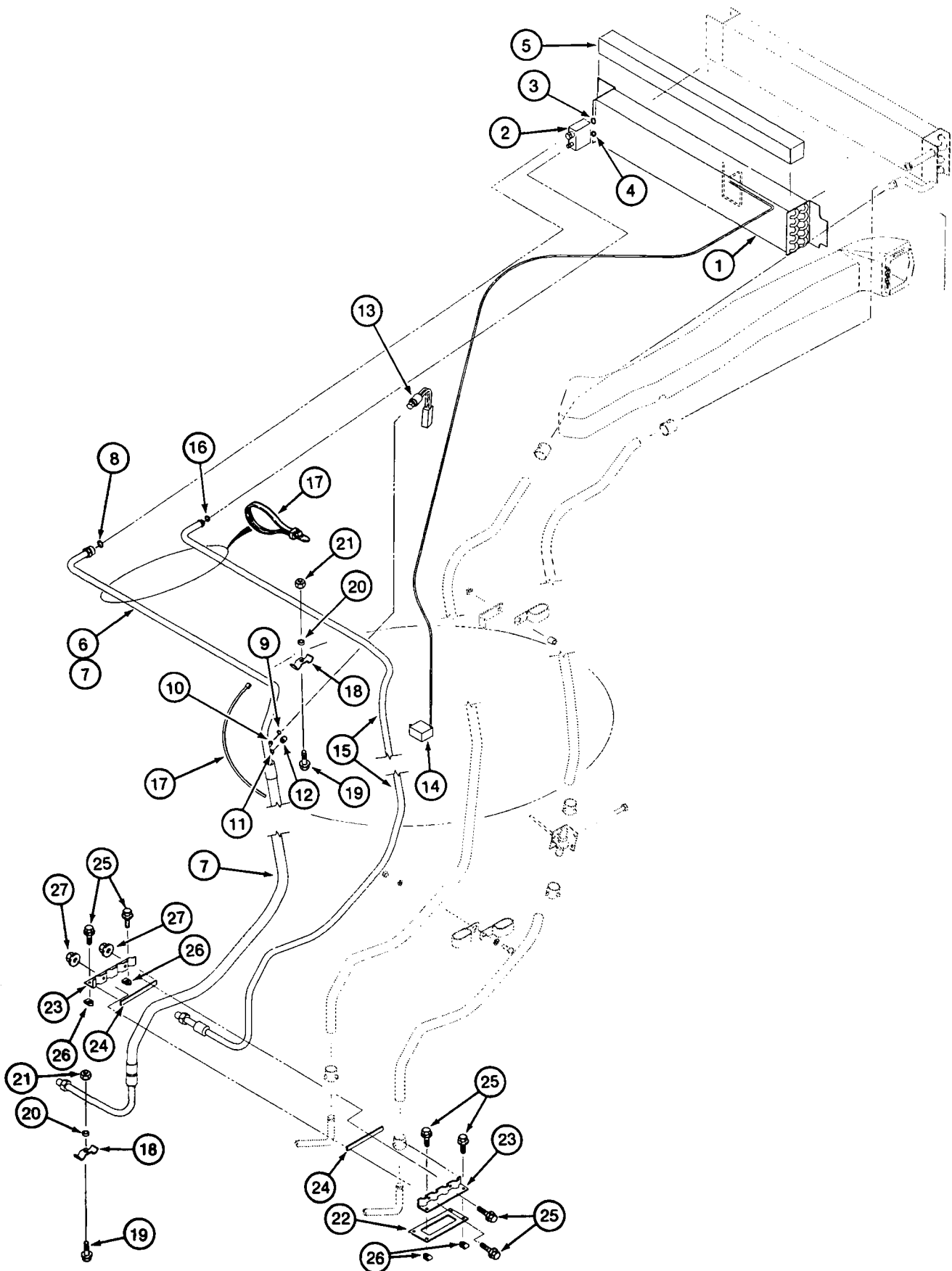
9-162



570LXT and 580L Series 2**9-163****CAB*****HEATER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	131124A1	CORE - heater, mounts in blower housing box, seal mounts on top of heater core on models with heater only, see page 9-165 for seal.	1
2	128412A1	HOSE - 1100 mm (43-5/16 inch) long, cut from 97252CX bulk hose, heater core to temperature control valve.	1
3	1954736C1	CLAMP - adjustable, hose.	6
4	470375C1	CLAMP - double.	2
5	R53634	CLAMP - hose, included in air conditioner package.	2
6	126907A1	SPACER - hose.	2
8	825-2408	NUT - hex flange, 8 mm - 1.25.	2
9	R52483	VALVE - temperature control, heater, see page 9-149 for mounting hardware.	1
10	128410A1	HOSE - 925 mm (36-27/64 inch) long, cut from 97252CX bulk hose, temperature control valve to floor.	1
11	128411A1	HOSE - 2030 mm (79-15/16 inch) long, cut from 97252CX bulk hose, heater core to floor.	1
12	470375C1	CLAMP - double, hose.	2
13	614-8025	BOLT - hex, full threads, 8 - 1.25 x 25 mm.	1
14	895-11008	WASHER - flat, 9 x 17 x 1.6 mm.	1
15	892-11008	WASHER - lock, 8 mm.	1
16	829-1408	NUT - hex, 8 mm - 1.25, class 10.	1
17	190675A1	TUBE - heater elbow at floor.	2
18	307843A1	HOSE - 2120 mm (83-1/2 inch) long, cut from 97252CX bulk hose, floor to left-hand side of engine, short.	1
19	214-1410	CLAMP - adj, 9/16 - 1-1/16 inch dia.	4
20	301803R1	VALVE - shutoff, right-hand side of engine.	1
21	221-89	REDUCER - pipe, 1/2 male x 3/8 inch female, replaces existing plug.	1
22	L17985	NIPPLE - 3/8 inch PT, left-hand side of engine.	1
23	221-1382	ELBOW - street, 90 degree 1/2 x 3/8 inch PT.	1
23A	221-190	NIPPLE - straight, 1/2 PT x 2 inch, replaces existing plug.	1
24	D132982	SLEEVE - hose guard.	4
25	L18337	STRAP - tie, 15 inch, nylon, retaining.	3
26	353-406	PLUG - button, 5/8 inch, air conditioning drain, used on models with heat only.	2
27	D143427	CLAMP - tube.	1
28	614-8030	BOLT - hex, full threads, 8 - 1.25 x 30 mm.	1
29	D143417	SPACER - 10 ID x 16 OD x 6 mm long.	1
30	825-2408	NUT - hex flange, 8 mm - 1.25.	1
31	307844A1	HOSE - 3020 mm (118-29/32 inch) long, cut from 97252CX bulk hose, right-hand side of engine.	1
32	D88052	CLAMP - P-type, 1 inch ID, uses existing bellhousing hardware.	2
	97252CX	HOSE - bulk, 16 (5/8) x 25 (1) x 15240 mm (600 inch) long.	1

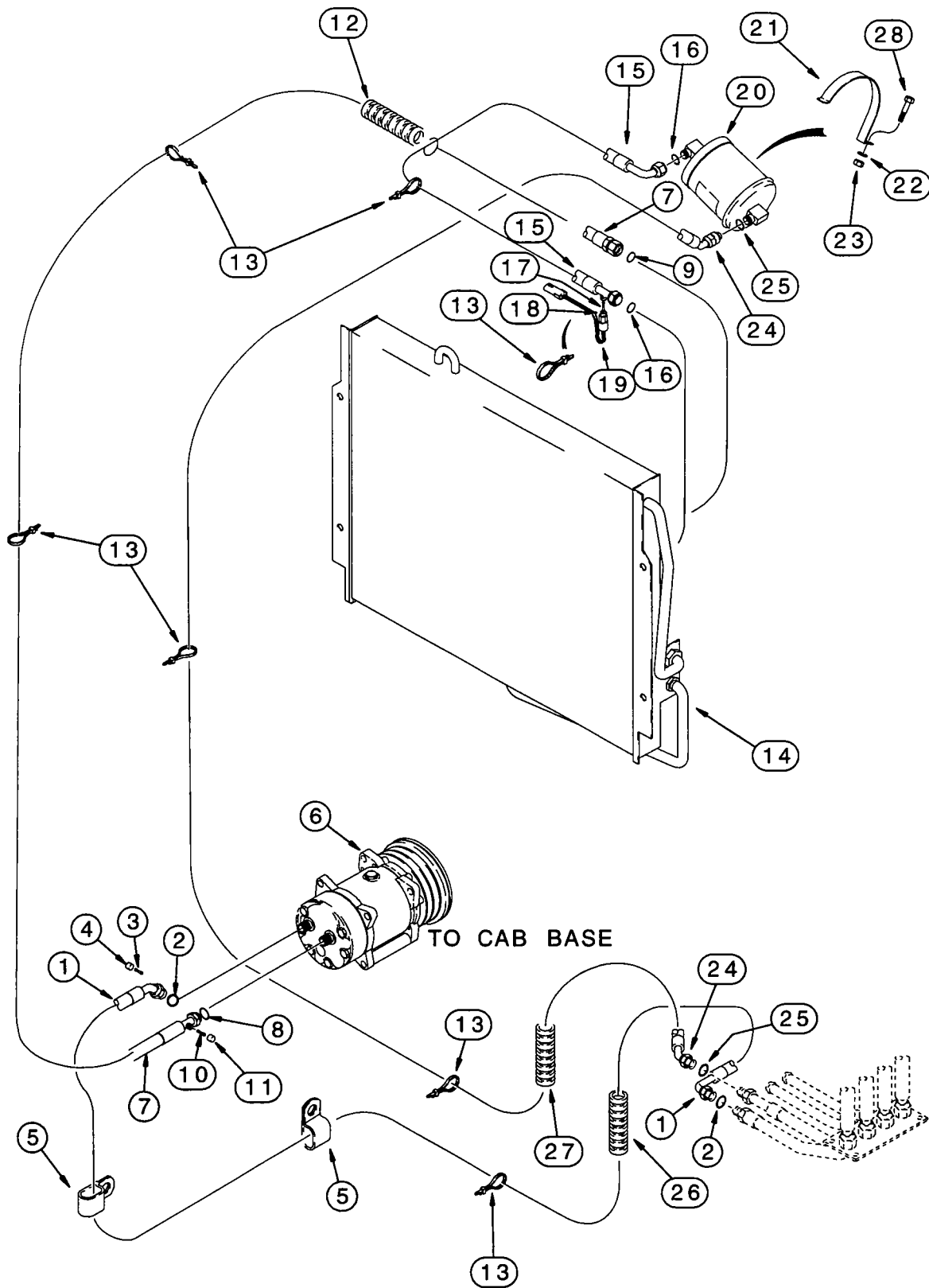
***NOTE:** See page 9-165 for hose clamping at floor plate.



570LXT and 580L Series 2
9-165
CAB
***EVAPORATOR CORE AIR CONDITIONING LINES**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	131127A2	CORE ASSEMBLY - evaporator	1
2	1990756C2	VALVE - expansion	1
3	128485A1	O-RING - 9/16 ID x 1/16 inch wide	1
4	128484A1	O-RING - 7/16 ID x 1/16 inch wide	1
5	181980A1	SEAL - adhesive-backed, 19 (3/4) x 19 (3/4) x 680 mm (26-3/4 inch) long, apply seal to top of evaporator core on models with heat and air conditioning	1
6	83822C1	TAPE - 610 mm (24 inch) long, cut from 1954475C1 bulk tape, insulation, expansion valve and hoses at expansion valve	3
7	190599A1	HOSE - suction	1
8	128485A1	O-RING - 9/16 ID x 1/16 inch wide, hose end	1
9	128483A1	O-RING - 5/16 ID x 1/16 inch wide, hose valve core	1
10	1250594C1	VALVE - core, hose, low pressure switch	1
11	1250594C1	VALVE - core, hose, low side service port	1
12	122553A1	CAP - sealing	1
13	122579A1	SWITCH - low pressure	1
14	1340287C1	SWITCH - temperature control, air conditioning	1
15	124727A1	HOSE - 3200 mm (126 inch) long, pressure, liquid line, attaches to item 24 hose on page 9-167	1
16	128483A1	O-RING - 5/16 ID x 1/16 inch wide, hose end	1
17	L18337	STRAP - tie, 15 inch, nylon, retaining	UAR
18	D143427	CLAMP - tube	2
19	614-8030	BOLT - hex, full threads, 8 - 1.25 x 30 mm	2
20	D143417	SPACER - 10 ID x 16 OD x 6 mm long, hose clamp	2
21	825-2408	NUT - hex flange, 8 mm - 1.25	2
22	124011A1	GASKET - at cab floor, heat or air conditioned models, trim center of gasket for air conditioned units	1
23	123980A1	CLAMP - heater and air conditioning hoses	2
24	181979A1	SEAL - foam	2
25	845-6020	BOLT - heavy hex flange, 6 - 1.0 x 20 mm	6
26	833-40406	NUT - U-type, 6 mm - 1.0	4
27	825-2406	NUT - hex flange, 6 mm - 1	2
	1954475C1	TAPE - bulk, 63.5 (2-1/2) x 9150 (360) x 3 mm (1/8 inch) thick, insulation	1

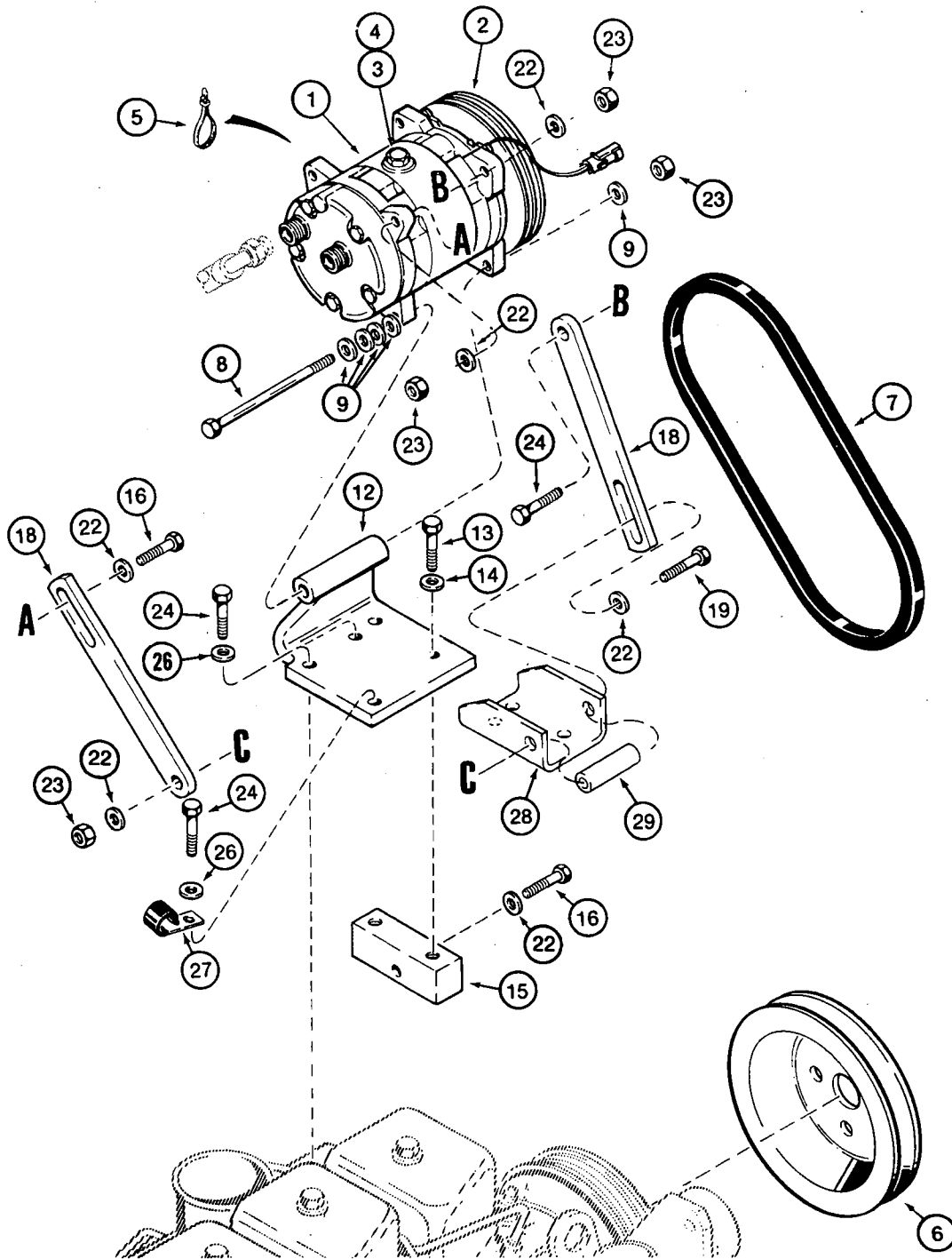
***NOTE:** Also see page 9-163 for hose clamping.



570LXT and 580L Series 2**9-167****AIR CONDITIONING
CONDENSER AND RECEIVER-DRIER**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	305822A1	HOSE - 2855 mm (112-7/16 inch) long, 45 degree hose end, compressor to cab base	1
2	128485A1	O-RING - 9/16 ID x 1/16 inch wide, hose end	2
3	1250594C1	VALVE - core, hose, low side service port	1
4	122553A1	CAP - sealing	1
5	D88052	CLAMP - P-type, 1 inch ID, hose to inner left-hand side of chassis, uses existing hardware, if used	1-2
6	1999755C2	COMPRESSOR ASSEMBLY - air conditioning, parts list page 9-169	1
7	242724A1	HOSE - 2600 mm (102-3/8 inch) long, straight hose end, compressor to condenser	1
8	128485A1	O-RING - 9/16 ID x 1/16 inch wide, hose end, at compressor	1
9	128484A1	O-RING - 7/16 ID x 1/16 inch wide, hose end	1
10	1250594C1	VALVE - core, hose, high side charge port	1
11	122554A1	CAP - sealing	1
12	193913A1	SLEEVE - hose guard, mounts to item 7 hose at hood hinge bolt area	1
13	L18337	STRAP - tie, 15 inch, nylon, retaining	UAR
14	246060A1	CONDENSER - coil, refrigerant cooler, uses existing oil cooler to radiator hardware, used on models with heavy duty 291288A1 oil cooler or 233817A1 standard duty oil cooler, see page 6-21 or 6-23 for coolers.	1
15	138255A1	HOSE - 550 mm (25-11/16 inch) long, condenser to receiver-drier	1
16	128483A1	O-RING - 5/16 ID x 1/16 inch wide, hose ends	2
17	1250594C1	VALVE - core, for high pressure switch	1
18	128483A1	O-RING - 5/16 ID x 1/16 inch wide, hose	1
19	232948A1	SWITCH - high pressure, 400 psi	1
20	1990758C2	RECEIVER-DRIER - air conditioning, refrigerant	1
21	253404A1	CLAMP - receiver-drier	1
22	895-11008	WASHER - flat, 9 x 17 x 1.6 mm	1
23	832-10408	NUT - hex, self-locking, 8 mm - 1.25	1
24	305821A1	HOSE - 3215 mm (126-9/16 inch) long, receiver-drier to cab base.	1
25	128483A1	O-RING - 5/16 ID x 1/16 inch wide, hose ends	2
26	191703A1	SLEEVE - hose guard, 400 mm (15-3/4 inch) long, suction hose, compressor to cab base	1
27	191704A1	SLEEVE - hose guard, 460 mm (18-1/8 inch) long, receiver-drier to cab base hose	1
28	614-8030	BOLT - hex, full threads, 8 - 1.25 x 30 mm	1X

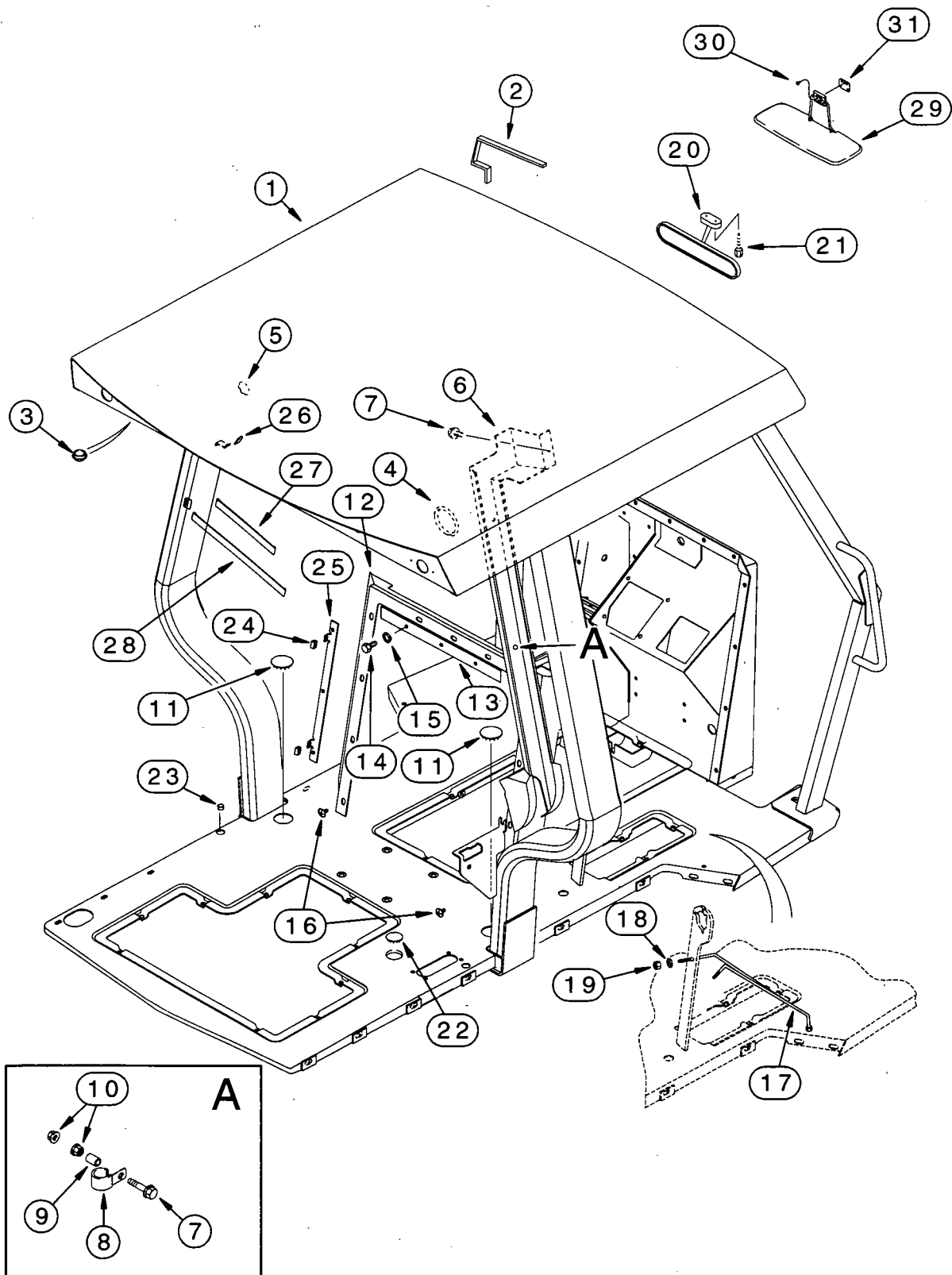
9-168



570LXT and 580L Series 2**9-169****AIR CONDITIONING
COMPRESSOR MOUNTING AND DRIVE**

REF.	PART NO.	DESCRIPTION	REQ'D.
	1999755C2	COMPRESSOR ASSEMBLY - air conditioning	1
1	NSS	COMPRESSOR - air conditioning	1
2	135324A1	CLUTCH ASSEMBLY - compressor	1
3	A49667	PLUG - hex, oil filler	1
4	128483A1	O-RING - 5/16 ID x 1/16 inch wide, plug	1
5	L18337	STRAP - tie, 15 inch, nylon, retaining, compressor wire	2
6	A189284	PULLEY - air conditioner compressor drive.	1
7	277546A1	BELT - drive, compressor	1
8	827-10130	BOLT - hex, 10 - 1.5 x 130 mm, class 10.9	1
9	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	5
12	304530A1	BRACKET - compressor mounting	1
13	627-10030	BOLT - hex, full threads, 10 - 1.5 x 30 mm, class 10.9	2
14	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	2
15	A184614	BLOCK - bracket support.	1
16	827-10040	BOLT - hex, 10 - 1.5 x 40 mm, class 10.9	2
18	304527A1	STRAP - compressor adjusting	2
19	827-10110	BOLT - hex, 10 - 1.5 x 110 mm, class 10.9	1
22	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	6
23	832-10410	NUT - hex, self-locking, 10 mm - 1.5	4
24	627-10035	BOLT - hex, full threads, 10 - 1.5 x 35 mm, class 10.9	4
26	896-11010	WASHER - flat, 11 x 21 x 2.5 mm, hardened	3
27	D147383	CLAMP - J-type, main engine harness to compressor bracket	1
28	304525A1	BRACKET - compressor mounting	1
29	304528A1	SPACER - short.	1

9-170



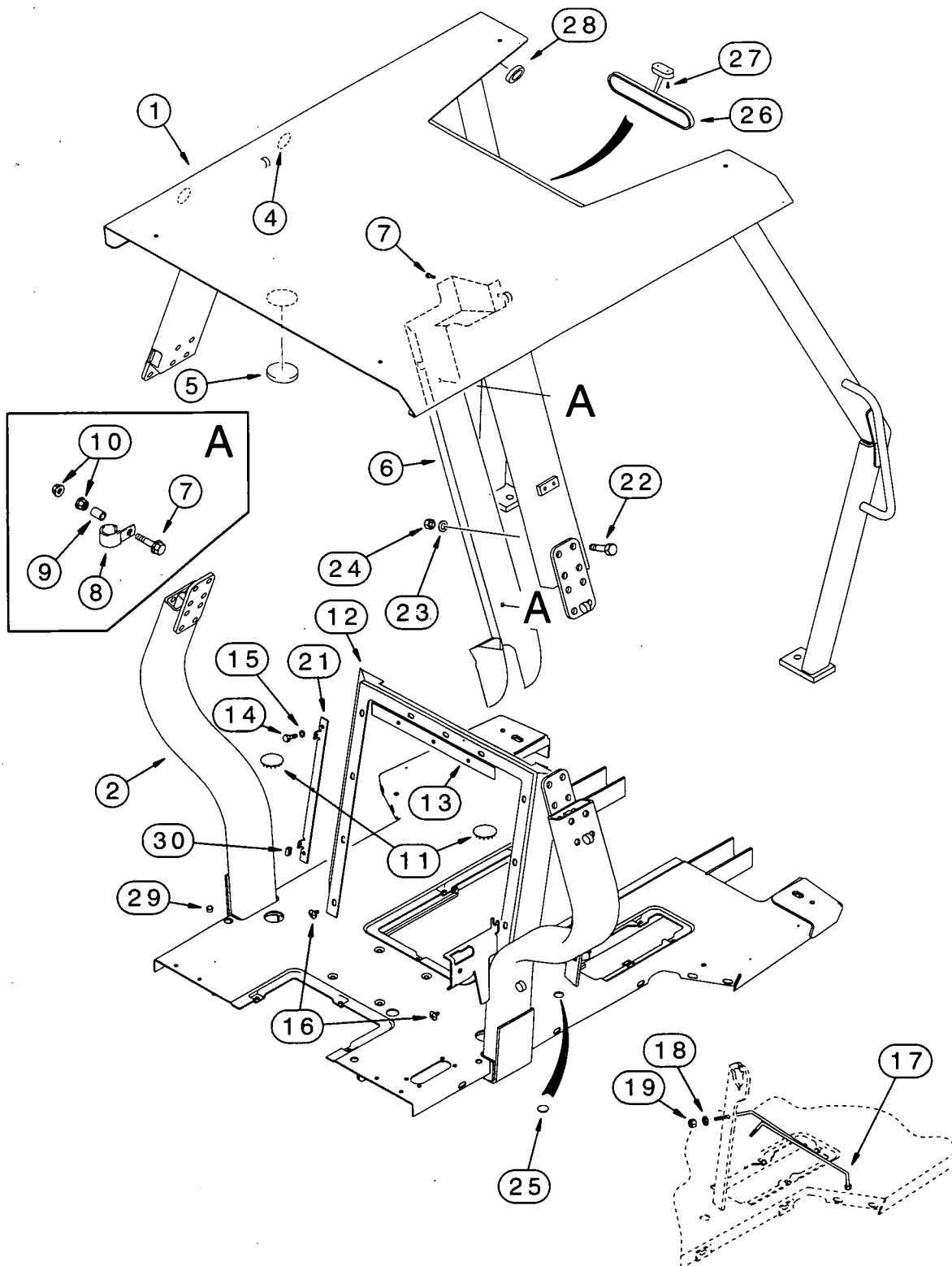
570LXT and 580L Series 2
9-171
**580L OR 570LXT STANDARD ROPS CANOPY
OPERATOR COMPARTMENT**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	281001A1	CANOPY - ROPS, order from Machinery Price List, 580L models, for service order 281004A1 which is the complete ROPS canopy with decals and mounts.	1
1A	*281003A1	CANOPY - ROPS, order from Machinery Price List, 570LXT models, not shown, for service order 281006A1 which is the complete ROPS canopy with decals and mounts.	1
2	D60180	TRIM - edge, 368 mm (14-1/2 inch) long, cut from F42827 bulk trim, if used.	2
	345-133	ADHESIVE - Superbonder 409, attaches wire harness to ROPS post, if used.	1
3	353-405	PLUG - button, 9/16 inch.	4-10
4	1302758C1	PLUG - plastic, 89 mm OD, replaces D93716 plug.	4
5	353-417	PLUG - button, 2 inch, nylon, driving, flood and work lamps.	8
6	127324A1	COVER - wiring, right-hand ROPS post.	1
7	282-16512	SCREW - self-drilling tapping, hex washer head, No. 10-16 x 3/4 inch, Teflon.	3
8	D147383	CLAMP - J-type, canopy harness to ROPS post.	2
9	128265A1	SPACER - clamp.	2
10	825-2408	NUT - hex flange, 8 mm - 1.25.	4
11	205-129	PLUG - button, 2 inch ID, floor.	2
12	143121A1	SEAL - firewall.	1
13	143127A1	PLATE - stiffener, firewall.	1
14	781-24820	BOLT - hex flange, self-tapping, 8 - 1.25 x 20 mm.	9
15	892-11008	WASHER - lock, 8 mm.	9
16	D143242	RETAINER - push-in, plastic.	2
17	180801A1	BRACE - loader control bracket.	1
18	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch.	6
19	425-106	NUT - hex, 3/8 inch NC.	6
20	194513A1	MIRROR - rear view, interior.	1
21	286-56520	SCREW - self-tapping, Fillister head, No. 10 NC x 1-1/4 inch.	2
22	205-33	PLUG - button, 25/32 inch ID.	1
23	353-406	PLUG - button, 5/8 inch, if used.	1
24	127367A1	NUT - U-type, special, 6 mm.	4
25	137851A1	PLATE - bar, front console mounting to firewall.	2
26	294666A1	COVER - coat hook.	1
27	296367A1	STRAP - velcro.	1
28	282845A1	STRAP - velcro.	1
29	E47027	VISOR - sun shade.	1
30	260-14512	SCREW - self-tapping, pan Phillips, No. 10-16 x 3/4 inch.	3
31	307243A1	SHIM - plate, visor mounting.	1
	F42827	TRIM - edge, bulk, 2946 mm (116 inch) long.	1

NOTE: See page 9-91 for operator compartment to chassis mounting hardware.

*** NOTE:** See page 9-173 for 570LXT short ROPS canopy with minimal roof.

9-172

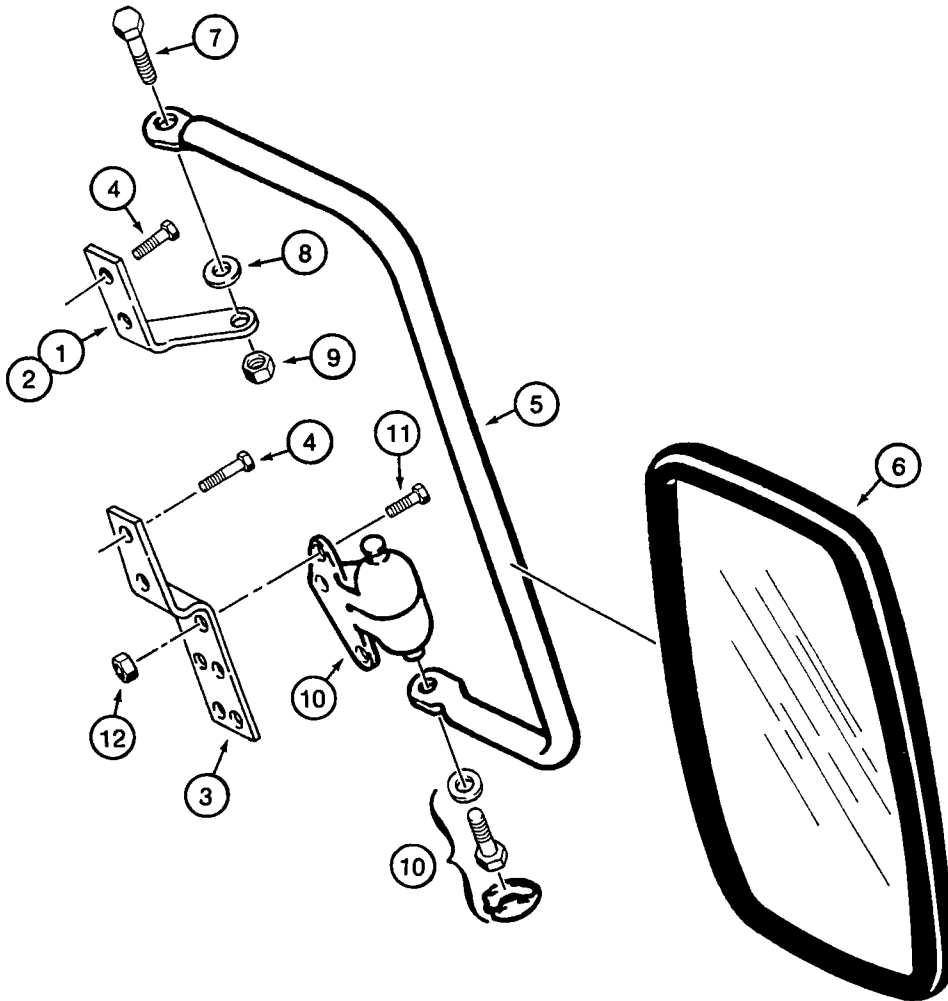


570LXT and 580L Series 2
9-173
**570LXT SHORT ROPS CANOPY
OPERATOR COMPARTMENT WITH MINIMAL ROOF**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	296047A1	CANOPY - upper ROPS, order from Machinery Price List, for service order 281005A1 which is the complete upper and lower ROPS canopy	1
2	281002A1	FRAME - canopy, lower ROPS, order from Machinery Price List, for service order 281005A1 which is the complete upper and lower ROPS canopy	1
4	353-417	PLUG - button, 2 inch, nylon	2
5	1302758C1	PLUG - plastic, 89 mm OD, replaces D93716 plug	3
6	136044A1	COVER - wiring, right-hand ROPS post	1
7	282-16512	SCREW - self-drilling tapping, hex washer head, No. 10-16 x 3/4 inch, Teflon.	3
8	D147383	CLAMP - J-type, canopy harness to ROPS post.	2
9	128265A1	SPACER - clamp	2
10	825-2408	NUT - hex flange, 8 mm - 1.25	4
11	205-129	PLUG - button, 2 inch ID, floor.	2
12	143121A1	SEAL - firewall	1
13	143127A1	PLATE - stiffener, firewall	1
14	781-24820	BOLT - hex flange, self-tapping, 8 - 1.25 x 20 mm	9
15	892-11008	WASHER - lock, 8 mm	9
16	D143242	RETAINER - push-in, plastic	2
17	180801A1	BRACE - loader control bracket.	1
18	495-11041	WASHER - flat, 13/32 x 13/16 x 1/16 inch.	6
19	425-106	NUT - hex, 3/8 inch NC	6
21	137851A1	PLATE - bar, front console mounting to firewall	2
22	827-16090	BOLT - hex, 16 - 2.0 x 90 mm, class 10.9	16
23	896-11016	WASHER - flat, 17.5 x 30 x 4 mm, hardened	16
24	829-1416	NUT - hex, 16 mm - 2.0, class 10	16
25	353-411	PLUG - button, 1 inch, hand throttle cable hole, 570LXT models	1
26	194513A1	MIRROR - rear view, interior	1
27	286-56520	SCREW - self-tapping, Fillister head, No. 10 NC x 1-1/4 inch.	2
28	194262A1	GROMMET - 2 inch diameter	4
29	353-406	PLUG - button, 5/8 inch, black, plastic, if used	1
30	127367A1	NUT - U-type, special, 6 mm	4
	F42827	TRIM - edge, bulk, 2946 mm (116 inch) long	1

NOTE: See page 9-91 for operator compartment to chassis mounting hardware.

9-174



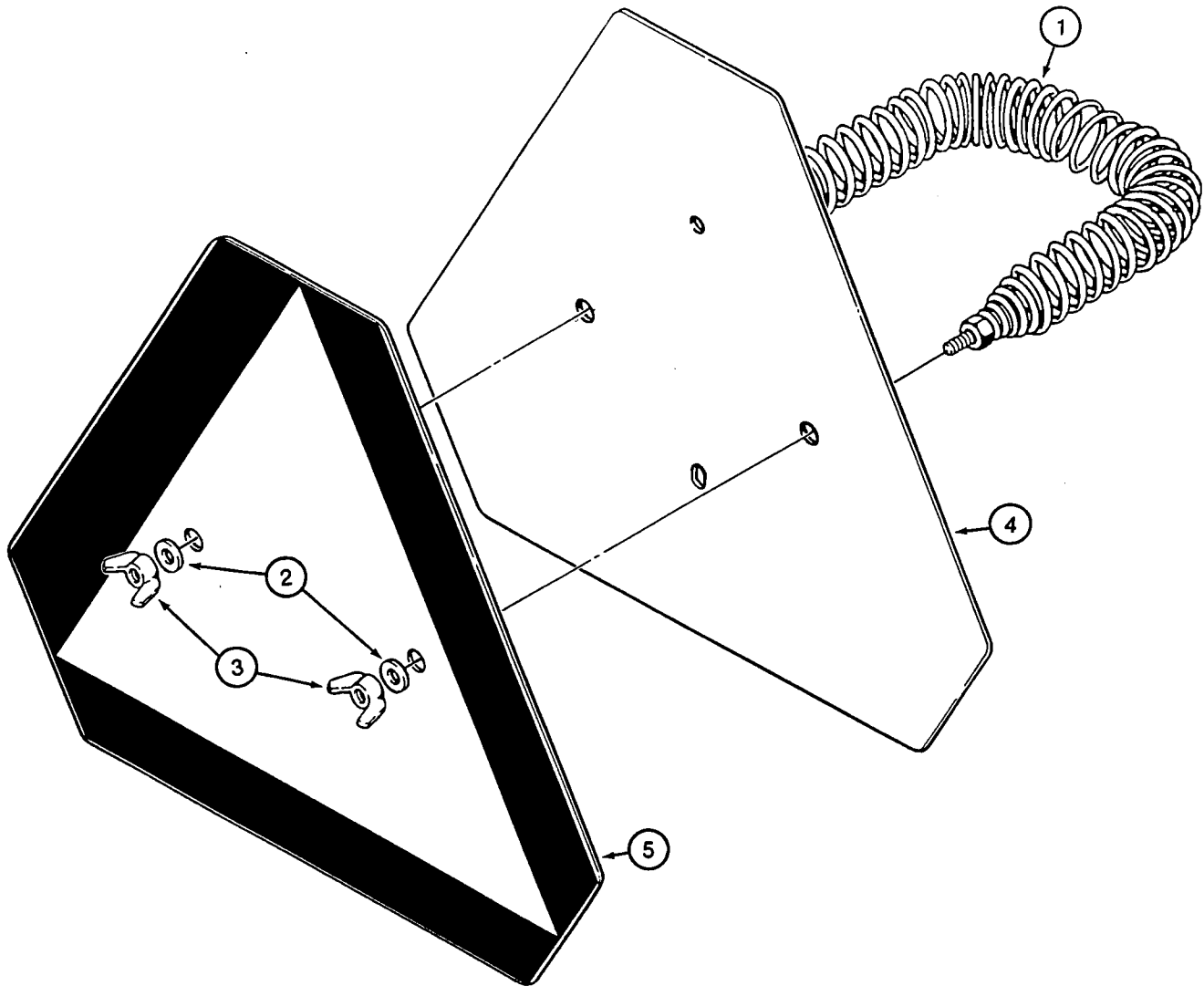
570LXT and 580L Series 2

9-175

**REAR VIEW MIRROR
ROPS CAB MODELS - EXTERIOR**

REF.	PART NO.	DESCRIPTION	REQ'D.
	D102964	KIT - mirror, rear view	1
1	D142084	BRACKET - mirror, right-hand upper	1
2	D142085	BRACKET - mirror, left-hand upper, not shown	1
3	D142083	BRACKET - mirror, lower	2
4	281-54712	SCREW - self tapping, hex washer head, 1/4 NC x 3/4 inch	8
5	D142086	SUPPORT - mirror	2
6	R54682	MIRROR - rear view, exterior	2
7	413-516	BOLT - hex, 5/16 NC x 1 inch	2
8	A167037	WASHER - nylon	2
9	231-4115	NUT - hex, self-locking, 5/16 inch NC	2
10	D142144	KNUCKLE - support pivot, includes hardware	2
11	413-412	BOLT - hex, 1/4 NC x 3/4 inch	6
12	231-1444	NUT - hex, self-locking, 1/4 inch NC	6

9-176



570LXT and 580L Series 2

9-177

SLOW MOVING VEHICLE EMBLEM

REF.	PART NO.	DESCRIPTION	REQ'D.
1	D52564	SPRING - emblem retaining	1
2	495-11028	WASHER - flat, 9/32 x 5/8 x 1/16 inch.	2
3	126177	NUT - wing, 1/4 inch NC	2
4	D123347	EMBLEM - plate and decal, slow moving vehicle	1
5	321-4311	DECAL - SMV emblem.	1

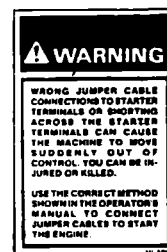
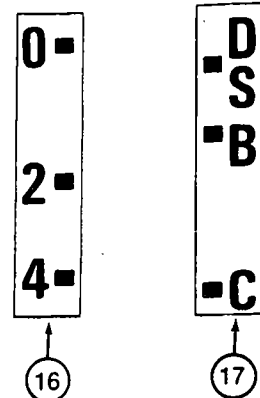
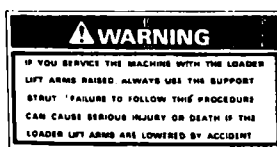
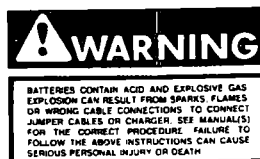
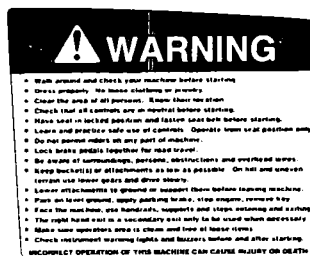
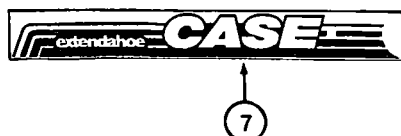
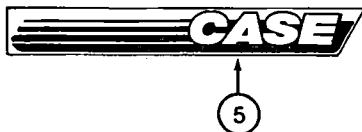
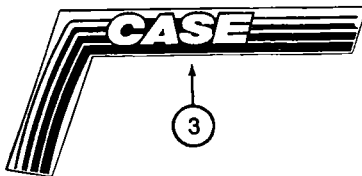
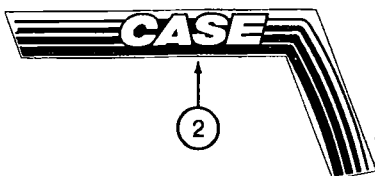
570LXT ^①

580L 

570LXT turbo

580L turbo

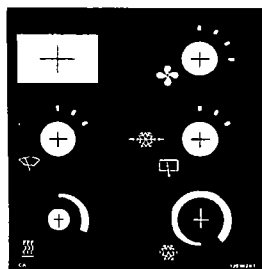
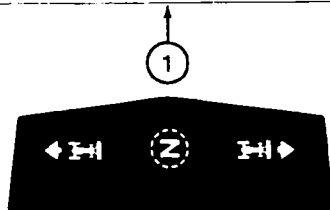
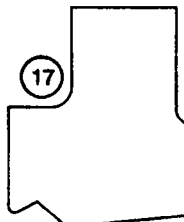
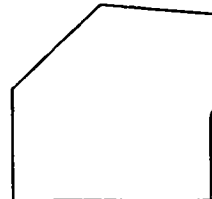
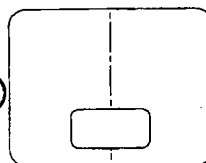
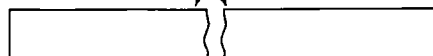
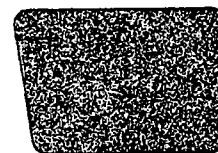
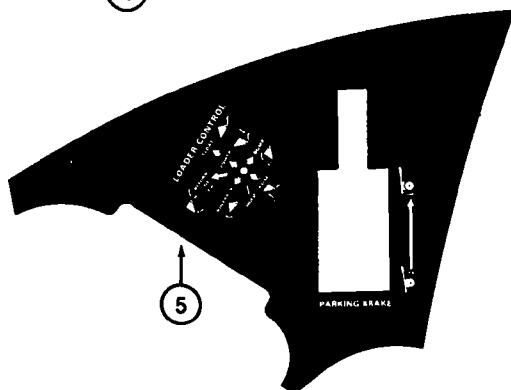
Series 2



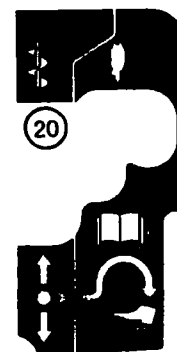
570LXT and 580L Series 2**9-179****DECALS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	182365A1	DECAL - 570LXT	2
1A	182367A1	DECAL - 580L	2
1B	281915A1	DECAL - 570LXT turbo	2
1C	281917A1	DECAL - 580L turbo	2
1D	301343A1	DECAL - Series 2	2
2	183113A1	DECAL - Case, right-hand side of hood	1
3	183112A1	DECAL - Case, left-hand side of hood.	1
4	191096A2	DECAL - Case, with right-hand stripes, standard dipper left-hand side	1
5	191097A2	DECAL - Case, with left-hand stripes, standard dipper right-hand side	1
6	192252A1	DECAL - Case extendahoe, right-hand	1
7	192253A1	DECAL - Case extendahoe, left-hand	1
10	144194A1	DECAL - Warning, walk around and check your machine before starting.	1
12	321-6714	DECAL - Warning, batteries contain acid and explosive gas	1
13	313238A1	DECAL - Danger, crush hazard, keep clear of this area, swinging boom can.	2
14	321-6413	DECAL - Warning, left-hand loader lift arm support strut usage	1
15	321-6671	DECAL - Warning, right-hand chassis channel	1
16	321-1708	DECAL - 0 - 2 - 4, clam bucket opening indicator	1
17	321-1707	DECAL - clam bucket position.	1
18	321-3596	DECAL - Warning, rotating fan and belts.	2
19	321-6872	DECAL - Warning, wrong jumper cable connections to starter terminals	1
20	321-7040	DECAL - Danger, starting in gear can cause death.	1
22	D150899	DECAL - Warning, to avoid inadvertant movement, before operating the backhoe	1

- **Operators manual in box underneath this cover. Do not remove.**
Before operating, read all operators manual(s), safety and instructional signs on this machine.
- **It is your responsibility to follow all laws and regulations and to follow all instructions in the operators manual.**
- **See your Case dealer for additional operators manuals, parts manuals and service manuals.**

[illegible]

BACKHOE AUXILIARY HYDRAULICS		
RPM	GPM	LPM
1500	19	72
2000	25	95
2200	28	106



570LXT and 580L Series 2
9-181
DECALS

REF.	PART NO.	DESCRIPTION	REQ'D.
1	144193A2	DECAL - Important, operator's manual in box underneath this cover, glove box lid, replaces 144193A1 decal	1
2	D137615	DECAL - shuttle shift lever control pattern, on steering column cover	1
3	135183A1	DECAL - instrument symbols, wipers and environmental control	1
4	284482A3	DECAL - fuses and relays, loader control console fuse access panel cover	1
5	137290A1	DECAL - two function loader control, lift and bucket control pattern	1
6	137289A1	DECAL - three function loader control, lift, bucket and clam control pattern	1
7	179683A1	DECAL - hand held auxilliary hydraulics, if used	1
9	D87870	REFLECTOR - red.	2
10	D55216	PAD - anti-skid, 5 used on cab models, 11 used on canopy models, one used on hydraulic oil tank	5-11
11	D80270	PAD - anti-skid, 2 used on cab models, 3 used on canopy models.	2-3
11A	307348A1	PAD - anti-skid, 700 mm (27-9/16 inch) long, 40 gallon fuel tank	2
12	128804A1	STRIP - anti-skid	2
13	192450A1	DECAL - clear vinyl, hood	1
14	192299A1	DECAL - auxiliary hydraulics, at rocker switch on instrument panel, if used	1
16	197345A1	PAD - anti-skid, left-hand, ROPS canopy models	1
17	197346A1	PAD - anti-skid, right-hand, ROPS canopy models	1
18	284627A1	DECAL - backhoe auxiliary hydraulics, low flow - light on/hi flow - light off	1
19	284481A1	DECAL - backhoe auxiliary hydraulics, rpm/gpm/lpm	1
20	299383A1	DECAL - backhoe auxiliary hydraulic control, mounts on control tower	1

**HYDRAULIC
FLUID**

1

**HYDRAULIC
FLUID**

2

DIESEL FUEL

3

WARNING

4

WARNING



AVOID CRUSHING
DO NOT JUMP
IF MACHINE TIPS



USE
SEAT
BELT

8

CAUTION

THIS IS AN INSULATED ROOF SYSTEM
CONSULT YOUR DEALER BEFORE
WELDING ON THE TOP OF THE CAB

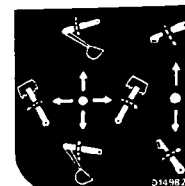
10



11



12



13

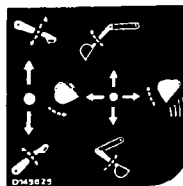
WARNING

EXCESSIVE SPEED CAN CAUSE LOSS OF MACHINE
CONTROL OR MACHINE DAMAGE

DO NOT COAST DOWN A HILL WITH THE TRANSMISSION
IN NEUTRAL OR DO NOT EXCEED 2500 R.P.M.
WHEN DRIVING DOWN A HILL

BEFORE DRIVING DOWN A HILL, SHIFT TO A LOWER
GEAR AND DRIVE SLOWLY. YOU OR OTHERS
AROUND YOU CAN BE INJURED IF THE MACHINE IS
OUT OF CONTROL.

9



14

**B
L
O
C
K**

14A

CAUTION

OPERATE BACKHOE FROM SEAT POSITION ONLY
FOR TRANSPORT AND OVERCENTER POSITION
WITH BUCKET STRAIGHT TO REAR

IMPORTANT

DO NOT PROCEED WITH ANY MAINTENANCE
UNTIL THE BUCKET IS STRAIGHT TO REAR
WHEN SHUTTING DOWN TO PREVENT TILT OR ROLL POSITION

15

CAUTION

IMPORTANT

15A

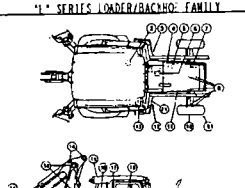
CASE

16



17

MAINTENANCE SCHEDULE
"L" SERIES LOADER/BACKHOE FAMILY



AS REQUIRED	EVERY 1000 HOURS OF OPERATION
1. Check and adjust tire pressure.	1. Check and adjust tire pressure.
2. Check and adjust engine oil level.	2. Check and adjust engine oil level.
3. Check and adjust hydraulic oil level.	3. Check and adjust hydraulic oil level.
4. Check and adjust fuel filter.	4. Check and adjust fuel filter.
5. Check and adjust air filter.	5. Check and adjust air filter.
6. Check and adjust water pump.	6. Check and adjust water pump.
7. Check and adjust battery.	7. Check and adjust battery.
8. Check and adjust lights.	8. Check and adjust lights.
9. Check and adjust horn.	9. Check and adjust horn.
10. Check and adjust PTO.	10. Check and adjust PTO.
11. Check and adjust clutch.	11. Check and adjust clutch.
12. Check and adjust brake.	12. Check and adjust brake.
13. Check and adjust steering.	13. Check and adjust steering.
14. Check and adjust suspension.	14. Check and adjust suspension.
15. Check and adjust engine.	15. Check and adjust engine.
16. Check and adjust transmission.	16. Check and adjust transmission.
17. Check and adjust rear axle.	17. Check and adjust rear axle.
18. Check and adjust front axle.	18. Check and adjust front axle.
19. Check and adjust wheels.	19. Check and adjust wheels.
20. Check and adjust tires.	20. Check and adjust tires.
21. Check and adjust PTO.	21. Check and adjust PTO.
22. Check and adjust clutch.	22. Check and adjust clutch.
23. Check and adjust brake.	23. Check and adjust brake.
24. Check and adjust steering.	24. Check and adjust steering.
25. Check and adjust suspension.	25. Check and adjust suspension.
26. Check and adjust engine.	26. Check and adjust engine.
27. Check and adjust transmission.	27. Check and adjust transmission.
28. Check and adjust rear axle.	28. Check and adjust rear axle.
29. Check and adjust front axle.	29. Check and adjust front axle.
30. Check and adjust wheels.	30. Check and adjust wheels.
31. Check and adjust tires.	31. Check and adjust tires.

LEGEND

1. Check and adjust tire pressure.

2. Check and adjust engine oil level.

3. Check and adjust hydraulic oil level.

4. Check and adjust fuel filter.

5. Check and adjust air filter.

6. Check and adjust water pump.

7. Check and adjust battery.

8. Check and adjust lights.

9. Check and adjust horn.

10. Check and adjust PTO.

11. Check and adjust clutch.

12. Check and adjust brake.

13. Check and adjust steering.

14. Check and adjust suspension.

15. Check and adjust engine.

16. Check and adjust transmission.

17. Check and adjust rear axle.

18. Check and adjust front axle.

19. Check and adjust wheels.

20. Check and adjust tires.

**DO NOT
OPERATE**

**DO NOT REMOVE
THIS TAG!**

See Other Side

CASE CORPORATION

18

WARNING

ROTATING MACHINE PARTS
STAY CLEAR, KEEP SHIELDS INSTALLED
TO HELP PROTECT FROM CLOTHING
ENTANGLEMENT AND INJURY

19

DANGER

ROTATING MACHINE PARTS CAN CAUSE
INJURY. KEEP CLEAR OF THIS AREA WHEN
ENGINE IS RUNNING. STOP ENGINE BEFORE
WORKING IN THIS AREA.

20

21

FLOAT	REARWARD	PITCH	RIGHT DOWN	AUX	LOWER
LOWER	HOLD	HOLD	HOLD	HOLD	HOLD
RAISE	FORWARD	RIGHT UP	RAISE	RAISE	RAISE

22

22

FLOAT	REARWARD	PITCH	RIGHT DOWN	AUX	LOWER
LOWER	HOLD	HOLD	HOLD	HOLD	HOLD
RAISE	FORWARD	RIGHT UP	RAISE	RAISE	RAISE

WARNING

DO NOT TURN THE RIDE CONTROL ON, IF THE
LOADER ARM AND BUCKET ARE HOLDING
THE FRONT OF THE MACHINE OFF THE
GROUND. THE MACHINE CAN DROP CAUSING
SERIOUS INJURY OR DEATH.

23



27

WARNING

IF YOU USE THE BACKHOE TO LIFT
A LOAD THAT IS 1500 LBS OR MORE, THE
MACHINE CAN TIP OVER OR THE
LOAD CAN FALL OUT OF CONTROL.

BEFORE YOU LIFT OBJECTS WITH THE
BACKHOE, SEE THE OPERATOR'S
MANUAL.

LETTING GO THE BACKHOE

DO NOT GO TO THE BACKHOE
UNTIL THE BACKHOE IS
DOWN TO THE GROUND.

6



7

Parker

HYDRAULIC
ACCUMULATOR
APPLICATION
INSTRUCTIONS

CAUTION: DISCHARGE ALL GAS AND
HYDRAULIC PRESSURE BEFORE
DISCONNECTING THE BUCKET LIFT
CABLE FROM THE HYDRAULIC SYSTEM.

PRECHARGE INSTRUCTIONS

1. DISCHARGE ALL GAS AND
HYDRAULIC PRESSURE FROM THE
SYSTEM. DISCONNECT THE BUCKET
LIFT CABLE FROM THE HYDRAULIC
SYSTEM.

2. PRECHARGE THE ACCUMULATOR
WITH NITROGEN GAS TO THE
RECOMMENDED PRECHARGE
PRESSURE.

3. RECONNECT THE BUCKET LIFT
CABLE TO THE HYDRAULIC SYSTEM.

4. CHECK THE SYSTEM FOR
LEAKS AND PROPER OPERATION.

24

WARNING

PRESSURE ACCUMULATOR IN
LOADER HYDRAULIC SYSTEM

DISCHARGE HYDRAULIC PRESSURE
PRIOR TO DISCONNECTING HYDRAULIC
LINES. ESCAPING HYDRAULIC OIL UNDER
PRESSURE COULD CAUSE INJURY.

REFER TO THE SERVICE MANUAL
FOR INSTRUCTIONS ON HOW TO
DISCHARGE THE ACCUMULATOR.

25

WARNING

THE SPRING IN THIS ASSEMBLY IS COMPRESSED.
INCORRECT DISASSEMBLY CAN CAUSE
INJURY.

SEE SERVICE MANUAL.

26

570LXT and 580L Series 2**9-183****DECALS**

REF.	PART NO.	DESCRIPTION	REQ'D.
1	321-229	DECAL - hydraulic fluid, used in production, for service order 321-6376, item 2	1
2	321-6376	DECAL - hydraulic fluid	1
3	321-230	DECAL - diesel fuel	1
4	321-6672	DECAL - Warning, check and service cooling system.	2
5	304940A1	DECAL - maintenance schedule, 580L, supplied by Parts and Components	1
5A	304941A1	DECAL - maintenance schedule, 570LXT, supplied by Parts and Components, not shown	1
6	321-6046	DECAL - Warning, if you use the backhoe to lift a load that is too heavy	1-3
7	116534A1	KIT - decal, seat weight adjustment, includes instructions, included in seat assembly	1
8	321-7030	DECAL - Warning, do not jump - use seat belt	1
9	D150900	DECAL - Warning, excessive speed can cause loss of machine control	1
10	112236A1	DECAL - Caution, this is an insulated roof system, cab models	1
11	D149824	DECAL - standard backhoe control pattern, with foot swing, upper	1
12	D149825	DECAL - extendahoe control pattern, with foot swing, upper	1
13	D149828	DECAL - standard backhoe control pattern, with hand swing, upper, left-hand side of control console	1
14	D149829	DECAL - standard backhoe control pattern, with hand swing, upper, right-hand side of control console	1
14A	L111356	DECAL - boom lock	1
15	D149826	DECAL - Caution, operate backhoe from seat position only, lower, for all models, with foot swing backhoe controls and standard backhoe models with hand swing	1
15A	D149827	DECAL - Caution, operate backhoe from seat position only, lower, for extendahoe backhoe models with hand swing	1
16	186989A1	EMBLEM - Case	1
17	131-431	NUT - push-on type	2
18	321-4614	TAG - do not operate	1
19	321-6715	DECAL - Warning, rotating machine parts, PTO shield, for use on models with PTO, if used.	1
20	321-7007	DECAL - Danger, rotating machine parts can cause injury, for use on models with PTO, if used.	2
21	184122A1	DECAL - three-point hitch control, for use on models with three-point hitch, if used.	1
22	227977A1	DECAL - three-point hitch control, for use on models with three-point hitch, if used.	1
23	255927A1	DECAL - Warning, do not turn the ride control on, if the loader arms and bucket are holding the front of the machine off the ground, mounts on console by ride control switch, models with ride control, if used	1
24	L129440	DECAL - hydraulic accumulator application instructions, mounts on accumulator, models with ride control, if used.	1
25	256318A1	DECAL - Warning, pressure accumulator in loader hydraulic system, mounts on accumulator mounting plate, models with ride control, if used	1
26	321-6774	DECAL - Warning, the spring in this assembly is, seat spring.	1
27	304083A1	DECAL - ride control	2