

**INTERNATIONAL
TD 7 SERIES E
CRAWLER TRACTOR**

**FORM
PC-TD7EA
(Serial Number 009501 and up)**

JULY, 1981

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INDEX**SECTION
FICHE**

INTRODUCTION	1
MISCELLANEOUS	2
AIR	3
BRAKES	4
STEERING	5
COOLING	6
DRIVE TRAIN	7
ELECTRICAL	8
FRAME	9
HYDRAULICS	10
INSTRUMENTS	11
POWER	12
SUPERSTRUCTURE	13
SUSPENSION	14
WHEELS AND TRACTION	15
BODY-BOWL	16
MOUNTED EQUIPMENT	17
NUMERICAL INDEX	



**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

INTRODUCTION

GENERAL

This catalog lists chassis service parts for the machine shown on the title page. Engine parts are listed in a separate catalog. Refer to the page entitled CONSTRUCTION EQUIPMENT PUBLICATIONS INFORMATION in this section.

International Harvester Company reserves the right to make changes or add improvements at any time without incurring any obligation to install such changes on products previously sold.

ILLUSTRATIONS

Illustrated items are given reference numbers which correspond to the same number in the parts list. Reference numbers may point to more than one identical item. The quantity of items shipped will depend on the quantity ordered. Illustrations are of typical parts only.

METHOD OF LISTING

- (1) **ASSEMBLIES.** When possible, parts of an assembly will be shown under the assembly number at the head of the list or in the illustration by a bracket.

When several similar assemblies or attachments are shown in the same parts list, the assembly or attachment will be shown at the head of the list and identified by letters "A", "B", "C", etc. Individual parts will be tied to their respective assembly by the same identifying letters which follow their descriptions. Parts without identifying letters are common to all assemblies.

- (2) **QUANTITIES.** The quantity of each part follows its description. When no quantity is shown, the quantity is one. Quantities of assemblies indicate the number of assemblies per machine. Quantities of individual parts indicate the number of those parts per assembly.

- (3) **SYMBOLS.** The following symbols will be used. The meanings of the symbols are as follows:

NOTE 1 – Field Application - Order through regular service parts channels.

NOTE 2 – Field Application - Order on Machine Order Form.

NOTE 3 – Attachment no longer available. Service parts will be furnished.

\$ – Indicates parts which are not individually available as service parts. Such parts are available only as a part of an assembly, kit, package or attachment.

– Serial number not available.

(x) – As required. (Used when quantities are variable.)

Other symbols may be used throughout the catalog. In each case, an explanation of the symbol will be given.

- (4) **COMMON HARDWARE.** Mounting hardware to include clamps, clips, bolts, nuts, cotter pins and so forth are not illustrated. Instead, it is indented beneath the items attached. Size of common hardware will be shown only when more than one size is used to attach a part. Only one dimension will be shown to enable the user to differentiate between two such parts.

NOTE: Hardware with six digit C1 or R1 part numbers are designed for a specific use and must not be replaced with common hardware.

ORDERING PARTS

The owner and/or operator must replace any and all safety and warning product graphics if they are defaced or removed from the machine.

When ordering parts, always give the following information:

- (a) The complete part number, including prefix or suffix letters, the name of the part and the quantity required.
- (b) The complete chassis and engine serial number of the machine, including the Kind, Variation and Country of Origin codes and the serial sequence number. See SERIAL NUMBERS which follows.

INTRODUCTION

ORDERING PARTS – Continued

(c) When ordering parts for items which have their own serial numbers (such as transmissions, torque converters or axles) also include the serial numbers of the transmission, torque converter and/or axle. We recommend that you write the serial numbers of your machine and all major components in the spaces provided below.

TRACTOR SERIAL NO. _____

ENGINE SERIAL NO. _____

TRANSMISSION S/N _____

SERIAL NUMBERS

MACHINE MODEL	MODEL CODE (KIND)	VARIATION CODE	COUNTRY OF ORIGIN	SERIAL SEQUENCE NUMBER
TD-7E Power Shift w/G-7 Bullgrader	441	0019	U (U.S.A.)	009501

ReNEWed COMPONENTS AVAILABLE FOR THE TD7E

Components	Engine	HP	RPM	Serial Number	New Service Part Number	ReNEW Service Part Number
Injection Pump *Brake Horse Power	D239	*71	250		3 144 367 R92 (EP/VA4/1004 1250 CR89)	735 119 C91
Water Pump					3 144 456 R93	735 103 C91
Brake Shoes						
Steering Clutch					621 021 C91	748 370 C91
Steering Clutch Back					621 037 C1	748 371 C91

ALPHABETICAL INDEX

DESCRIPTION	PAGE	FICHE	DESCRIPTION	PAGE	FICHE
A			D - Continued		
Adapter, Gearmatic Winch	17-16		Drum, Winch	17-22	
Air Cleaner and Connections	12-2		E		
Alarm, Back-up	8-10		Electric Starting and Lighting	8-3	
Alternator	8-16		Engine Enclosure	13-3	
Alternator Connections	8-13		Engine Mounts	12-3	
Arms (Model 7G2 Bullgrader)			Ether Injector Bracket and Nozzle . .	12-5	
Angle Push	17-5		Exhaust, Muffler	12-3	
Pivot and Lift	17-6		Extinguisher, Fire	2-9	
B			F		
Batteries and Mounting	8-2		Fairlead, Three Roller	17-10	
Belt, Fan	6-2		Fan	6-2	
Blade			Filters		
Model 7G2 Bullgrader	17-4		Suction	10-8	
Model G7H Bullgrader	17-2		Transmission Pressure	10-7	
Brake Shoes and Levers	4-2		Forestry Package	2-9	
C			Fork, Front	14-4	
Canopy			Frame		
Protective w/Seat Belt	13-5		Angling (Model G7H Bull-		
Circuit			grader)	17-3	
Rear Auxiliary	10-19		"C" Frame		
Rear Auxiliary w/Diverter	10-17		Model 7G2 Bullgrader	9-11	
Clutch, Winch	17-24		Model G7H Bullgrader	9-10	
Controls			Front	9-2	
Brake	4-3		Mounting		
Decelerator	12-10		Model 7G2 Bullgrader	9-8	
Engine and Governor	12-8		Model G7H Bullgrader	9-6	
Equipment	17-7		Rear Main	9-4	
Hydraulic			Track	14-2	
One Spool	17-8		Fuel Tank	12-6	
Two Spool	17-8		G		
Steering	10-34		Guard		
Winch, Gearmatic Master	17-28		Crankcase	9-5	
Cooler, Oil			Fan	6-2	
Transmission	6-3		Front Lamp	8-8	
Counterweight, Front Idler	14-5			8-9	
Cranking Motor	8-11		Fuel Tank Bottom	12-7	
Crossbar			Sprocket Drive	7-7	
Front	14-2		Transmission	9-5	
Rear	14-3		H		
Cylinder, Hydraulic			Headlight	8-7	
Angle (Model G7H Bullgrader)	10-5			8-8	
Lift	10-3		Hood and Platforms	13-2	
Lift, Ripper	10-6		Hood Side Doors	13-3	
Steering	10-2		Horn, Electric Warning	8-7	
Tilt	10-4		Housing, Gearmatic Winch	17-18	
Winch, Brake Cylinder	17-20		I		
D			Idler		
Dash	13-7		Front	14-4	
Decelerator	12-10		Track	14-7	
Door, Heavy Duty Radiator	9-3		Instruments and Instrument Panel . . .	11-2	
Drawbar			J		
Rigid	9-2				
Drive					
Planetary	7-5				
Sprocket	7-7				
Steering	7-5				

ALPHABETICAL INDEX

DESCRIPTION	PAGE	FICHE	DESCRIPTION	PAGE	FICHE
K			R - Continued		
L			Ripper (Model 395)	17-11	
Light, Head and Rear	8-7		Ripper Piping	10-20	
Lock, Master Switch	8-8		S		
Lock, Radiator Filler Cap	8-15		Scraper, Front Idler	14-5	
Locking Cap	6-5		Seat and Mounting	13-4	
Logging Arch (Model 78)	2-9		Seat Belt	13-5	
Lubricator	17-9		Shaft, Winch Pinion	17-26	
Hand Type	2-7		Shroud, Fan	6-2	
Tank Type	2-7		Sprocket	7-7	
M			Switch		
Mounts, Engine	12-3		Light	8-15	
Mounting, LH Rear Lamp	8-9		Master	8-14	
Muffler, Exhaust	12-3		Starting and Ether	8-15	
N			T		
O			Teeth, Additional Ripper	17-11	
Oil Filler	12-3		Tools and Tool Box	2-6	
Oil Level Gauge	12-3		Torque Converter	7-2	
P			Track		
Padlock with Keys	2-7		Adjuster	14-4	
Piping	8-15		Chain	15-2	
Air Cleaner Indicator	11-4		Frame	14-2	
Fuel Tank	12-6		Frame Cover	14-2	
Instrument	11-6		Idler	14-7	
Oil Cooler	6-3		Roller	14-6	
Rear Auxiliary Circuit	10-19		Roller and Sprocket Shield	14-7	
Rear Auxiliary Circuit			Shoes	15-4	
w/Diverter	10-17		Spring	14-4	
Steering	10-10		Transmission		
Tractor Equipment	10-11		Case	7-13	
Hydraulic Blade			Controls	7-21	
Model 7G2 Bullgrader	10-15		Countershaft	7-20	
Model G7H Bullgrader	10-13		Input Clutch and Shaft	7-15	
Hydraulic Control Unit	10-11		Input Shaft	7-20	
Transmission	7-9		Output Clutch and Shaft	7-18	
Transmission	7-11		Pressure Filter Indicator	11-8	
Transmission Pressure Filter			Reverse Idler Shaft	7-21	
Indicator	11-8		Speed Clutch Pack	7-18	
Transmission and Torque			U		
Converter	7-9		Universal Joint	7-4	
Product Graphics	2-5		V		
Pumps			Valve		
Tractor Equipment	10-9		Diverter	10-30	
Transmission Hydraulic	10-8		Rear Auxiliary Circuit	10-17	
Q			Modulating	7-24	
R			Pilot Control	10-22	
Radiator and Connections	6-4		Range Selector	7-23	
Rear Light	8-7		Regulator	7-22	
Reservoir, Hydraulic	8-8		Steering Control	10-21	
	10-32		Tractor Equipment Control	10-24	
			Section Inlet	10-26	
			Section Standard and		
			Outlet	10-27	
			Seal Kit	10-29	
			Voltage Regulator	8-14	

ALPHABETICAL INDEX

DESCRIPTION	PAGE	FICHE		DESCRIPTION	PAGE	FICHE
W						
Weights, Ripper Saddle	17-11					
Winch, Gearmatic (No. 19)	17-14					
X						
Y						
Z						

INTRODUCTION

ATTACHMENTS

The following attachments are available for the TD-7E

Description	Page
Alarm, Back-up	8-10
Bit, Cast End	17-2
Canopy	
Protective with Seat Belt	13-5
Circuit	
Rear Auxiliary	10-19
Rear Auxiliary with Diverter Valve	10-17
Counterweight, Front Idler	14-5
Door, Heavy Duty Radiator	9-3
Drawbar, Rigid	9-2
Drawbar, Swinging	17-15
Engine Enclosure	13-3
Extension, Exhaust Pipe	12-4
Fairlead, Three Roller	17-10
Guard, Fuel Tank Bottom	12-7
Horn, Warning	8-7
Indicator, Transmission Pressure Filter	11-8
Logging Arch (Model 78)	17-9
Mount, Canopy	13-5
Ripper	17-11
Screen, Rear	13-5
Sweeps, Canopy	13-5
Teeth, Additional Ripper	17-11
Track	
Frame Cover	14-2
Roller and Sprocket Shield	14-7
Shoes	15-4
Winch, Gearmatic (No. 19)	17-15

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

MISCELLANEOUS

PACKAGES AND KITS

NOTE: For detailed list of parts, refer to section indicated.

Section 2 - Miscellaneous

636 117 C91	PACKAGE, identification product graphics
622 805 C91	PACKAGE, instructional product graphics
632 753 C91	PACKAGE, forestry

Section 7 - Drive Train

625 878 C91	KIT, seal and spring (For Directional Clutch Pack)
625 877 C91	KIT, seal and spring (For Speed Clutch Pack)
655 473 C91	KIT, belleville washer service
625 879 C93	KIT, torque converter shim, seal and gasket
622 781 C91	PACKAGE, bevel gear bearing carrier shim
622 249 C91	PACKAGE, drive bevel gear and pinion shaft gear
622 784 C91	PACKAGE, input shaft support shim
629 836 C91	PACKAGE, planet gear needle bearing service
622 782 C92	PACKAGE, sprocket carrier shaft shim
622 783 C91	PACKAGE, transmission case mounting shim
628 028 C92	PACKAGE, transmission sealing ring

Section 8 - Electrical

663 188 C1	PACKAGE, terminals
1 945 923	PACKAGE, brush support
1 959 832	PACKAGE, battery terminal
1 962 629	PACKAGE, shock bracket (For Voltage Regulator)
1 959 834	PACKAGE, terminal

Section 9 - Frame

626 174 C1	PACKAGE, tie bar shim (For Model 7G2 Bullgrader Mounting Frame)
626 174 C1	PACKAGE, tie bar shim (For Model G7H Bullgrader Mounting Frame)
628 485 C91	PACKAGE, pivot clamp service (For Model 7G2 Bullgrader Mounting Frame)
628 485 C91	PACKAGE, pivot clamp service (For Model G7H Bullgrader Mounting Frame)

MISCELLANEOUS

PACKAGES AND KITS – Continued

NOTE: For detailed list of parts, refer to section indicated.

Section 10 - Hydraulics

625 912 C1	KIT, between sections seal (For Hydraulic Equipment Valves)
625 914 C2	KIT, lower anticavitation seal (For Three and Two Spool Hydraulic Equipment Valves)
625 909 C2	KIT, master seal (For One Spool Hydraulic Equipment Valve)
625 910 C2	KIT, master seal (For Two Spool Hydraulic Equipment Valve)
625 911 C2	KIT, master seal (For Three Spool Hydraulic Equipment Valve)
625 915 C1	KIT, master seal relief (For Hydraulic Equipment Valves)
67 055 C1	KIT, pump repair major seal (For Tractor Equipment Pump)
625 903 C1	KIT, internal section seal
625 913 C2	KIT, upper optional port seal (For Hydraulic Equipment Valves)
883 170 C91	KIT, vacuum pressure relief seal repair
626 199 C1	PACKAGE, angle cylinder sealing ring
626 199 C2	PACKAGE, cylinder sealing ring
622 829 C91	PACKAGE, pilot control valve sealing ring service
637 441 C91	KIT, relief valve ring repair
679 248 C91	PACKAGE, steering cylinder sealing ring
627 275 C1	KIT, major seal repair (For Tractor Equipment Group)
622 831 C91	PACKAGE, steering control valve sealing ring service

Section 13 - Superstructure

636 105 C91	PACKAGE, sweeps
636 106 C91	PACKAGE, sweeps

Section 14 - Suspension

606 132 C91	PACKAGE, oil seal field service
606 252 C91	PACKAGE, oil seal field service (For Track Idler)
606 625 C91	PACKAGE, oil seal reunitization field service
606 627 C91	KIT, oil seal reunitization field service (For Track Idler)
655 972 C91	PACKAGE, reunitization field service
655 974 C91	PACKAGE, oil seal service
622 826 C91	PACKAGE, track adjuster seal

PACKAGES AND KITS – Continued

NOTE: For detailed list of parts, refer to section indicated.

Section 15 - Wheels and Traction

739 370 C91	PACKAGE, track pin service
739 371 C91	PACKAGE, track bushing service
739 372 C91	PACKAGE, track seal service

Section 17 - Mounted Equipment

886 015 C1	KIT, brake cylinder repair (For Gearmatic Winch Brake Cylinder)
893 396 C1	KIT, clutch cylinder repair (For Gearmatic Winch Clutch Cylinder)
886 014 C1	KIT, master winch control repair
636 801 C91	PACKAGE, angling frame field improvement
632 768 C91	PACKAGE, blade and angling frame field improvement
636 802 C91	PACKAGE, blade field improvement

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PRODUCT GRAPHICS					1 PRODUCT GRAPHIC, "Hydraulic Oil" \$
	636 117 C91	PACKAGE, identification product graphics (Consists of the following -			1 PRODUCT GRAPHIC, loader control \$
		2 PRODUCT GRAPHIC, "International" (On hood) \$			1 PRODUCT GRAPHIC, master switch "On-Off" \$
		1 PRODUCT GRAPHIC, "International" (On rear stripe) \$			1 PRODUCT GRAPHIC, "Made in U.S.A." \$
		1 PRODUCT GRAPHIC, "IH" monogram (On fuel tank) \$			1 PRODUCT GRAPHIC, ripper control \$
		1 PRODUCT GRAPHIC, "IH" monogram (On instrument panel guard) \$			1 PRODUCT GRAPHIC, safety bar \$
		2 PRODUCT GRAPHIC, "TD7E" model symbol \$)	77 582 C91	PACKAGE, I.H. trademark (Consists of -	1 PRODUCT GRAPHIC, safety lock \$)
				2 PRODUCT GRAPHIC, I.H. trademark \$	
				2 PRODUCT GRAPHIC, I.H. trademark \$	
				2 PRODUCT GRAPHIC, I.H. trademark \$)	
	622 805 C91	PACKAGE, instructional product graphics (Consists of the following -	547 496 R92	PACKAGE, international trademark (Consists of -	
		1 NAMEPLATE, ether injector \$		2 PRODUCT GRAPHIC, international \$	
		1 NAMEPLATE, start switch \$		2 PRODUCT GRAPHIC, international \$	
		1 PRODUCT GRAPHIC, air cleaner instruction \$		2 PRODUCT GRAPHIC, international \$	
		1 PRODUCT GRAPHIC, alternator instruction \$		2 PRODUCT GRAPHIC, international \$)	
		1 PRODUCT GRAPHIC, angle control \$			
		1 PRODUCT GRAPHIC, backhoe mounting warning \$	547 498 R92	PACKAGE, model designation (Consists of -	
		1 PRODUCT GRAPHIC, "Be Careful" operator's safety \$		2 PRODUCT GRAPHIC, model designation \$	
		1 PRODUCT GRAPHIC, clam control \$		2 PRODUCT GRAPHIC, model designation \$)	
		1 PRODUCT GRAPHIC, "Cold Start Position" \$	626 239 C1	PRODUCT GRAPHIC, angle control (For all models w/three spool tractor equipment control valve)	
		1 PRODUCT GRAPHIC, diesel \$			
		1 PRODUCT GRAPHIC, diverter angle and ripper control \$	2 753 190 R1	PRODUCT GRAPHIC, "Made in U.S.A." (For units shipped outside U.S.A. only)	
		1 PRODUCT GRAPHIC, diverter clam and ripper control \$			
		1 PRODUCT GRAPHIC, diverter control \$	622 808 C1	PRODUCT GRAPHIC, backhoe diverter control (For backhoe models)	
		1 PRODUCT GRAPHIC, dozer control \$			
		1 PRODUCT GRAPHIC, dozer control with tilt \$	626 238 C1	PRODUCT GRAPHIC, dozer control (For all models w/three spool tractor equipment control valve)	
		1 PRODUCT GRAPHIC, ether start warning (Diesel) \$			
		1 PRODUCT GRAPHIC, engine fan position for backhoe \$	626 271 C1	PRODUCT GRAPHIC, dozer control (For all models with one or two spool tractor equipment control valve)	

MISCELLANEOUS

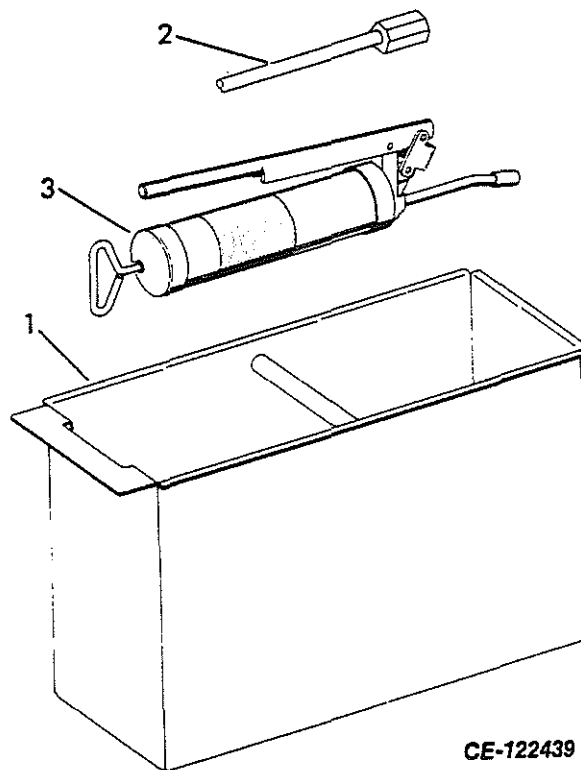
REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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PRODUCT GRAPHICS – Continued

TOOLS AND TOOL BOX

715 896 C1	PRODUCT GRAPHIC, pressure filter indicator (Part of ATTACHMENT, 636 807 C91, 679 042 C91 and 679 383 C91)
1 124 918	PRODUCT GRAPHIC, general caution
667 460 C1	PRODUCT GRAPHIC, engine compartment caution
2 752 018 R1 142 862	PRODUCT GRAPHIC, I.H. (2) SCREW (2)
2 754 367 R1	PRODUCT GRAPHIC, international
2 754 034 R1	PRODUCT GRAPHIC, model designation



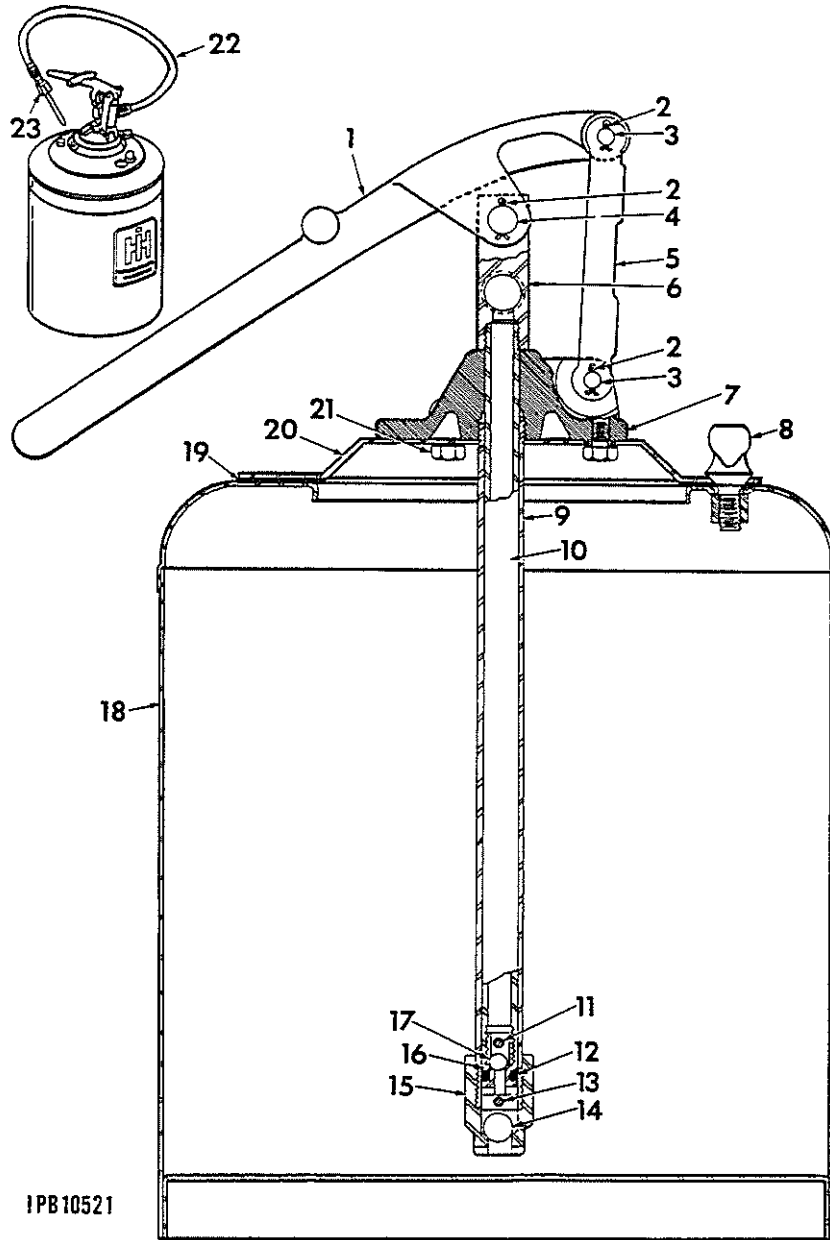
CE-122439

1	709 428 C1	BOX, tool
2	310 944 R91	NOZZLE, track roller lubricator
3	999 677 R91	LUBRICATOR, hand type (15 oz. size) (Part of ATTACHMENT, 999 677 R91)
	622 242 C1	EXTENSION, 12" curved grease gun
	999 819 R91	COUPLER, hydraulic
	715 423 C1	COUPLING, female (Used w/QUICK DISCONNECT PLUG, 715 370 C1)
	999 677 R91	ATTACHMENT, lubricator hand type (Consists of LUBRICATOR, 999 677 R91) (See NOTE 3)
	543 965 R92	ATTACHMENT, stabilizer check valve (Consists of VALVE, 543 965 R92) (See NOTE 3)

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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LUBRICATOR

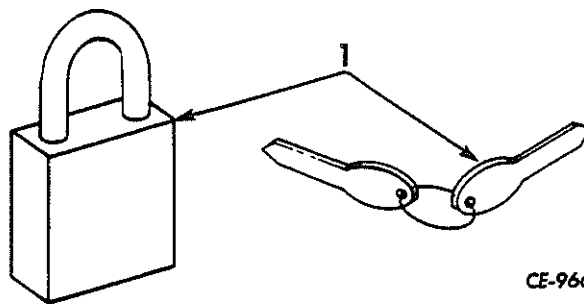


1PB10521

	309 015 R91	LUBRICATOR ASSEMBLY (Composed of -		5	277 153 R1	TOGGLE
1	55 482 D	HANDLE, lever		6	53 202 D	OUTLET, pump
2	103 372	PIN, cotter (3)		7	310 923 R1	BODY, pump
3	40 638 D	PIN, toggle (2)		8	55 479 D	SCREW, container cover (3)
4	40 635 D	PIN, handle		9	53 206 D	TUBE, pump

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
LUBRICATOR – Continued			PADLOCK WITH KEYS		
10	53 205 D	ROD, piston			
11	53 200 D	PIN, piston			
12	53 203 D	PACKING, piston			
13	53 201 D	PIN, foot valve			
14	17 014 R1	BALL, check			
15	53 199 D	BODY, foot valve			
16	53 198 D	PISTON, piunger			
17	39 659 D	BALL, pump check			
18	53 209 D	CONTAINER w/GASKET, 278 919 R1 and three SCREW, 55 479 D	1	650 382 C91	PADLOCK w/KEYS
19	278 919 R1	GASKET, container cover			
20	310 924 R91	COVER, container			
21	179 790 115 547	SCREW, hex-hd cap (3) WASHER, internal tooth lock (3)			
22	53 207 D	HOSE, lubricator (3 ft. long)			
23	310 944 R91	NOZZLE, lubricator			



MISCELLANEOUS

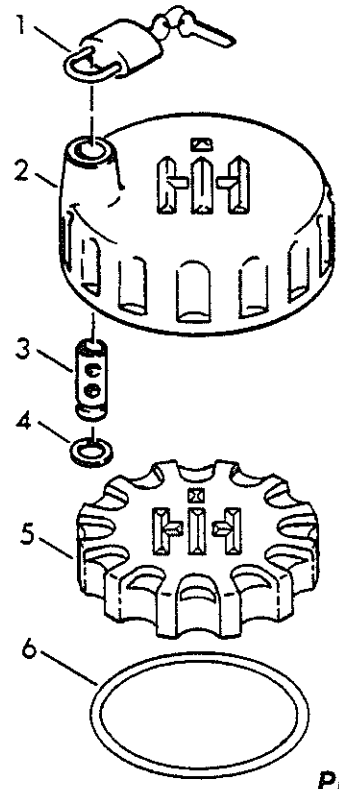
REF. NO.	PART NUMBER	DESCRIPTION
FORESTRY PACKAGE		
632 753 C91		PACKAGE, forestry (Machine must be equipped with ROPS canopy, blower fan, armored core radiator and radiator cap lock) (Not used with backhoe) (See NOTE 2) (Consists of -
1	ATTACHMENT, roof extension 632 563 C91	
1	ATTACHMENT, canopy rear screen 632 564 C91	
1	ATTACHMENT, canopy front sweeps 632 565 C92	
1	ATTACHMENT, exhaust pipe extension 632 746 C92	
1	ATTACHMENT, engine enclosure 632 750 C91	
1	ATTACHMENT, heavy duty radiator door 706 090 C91	
1	ATTACHMENT, fuel tank bottom guard 706 165 C91)	

SUPPORT PARTS PACKAGE

PACKAGE, support parts
(Consists of -

3	ELEMENT	398 080 R2
3	RING	3 051 337 R1
2	ELEMENT, hydraulic filter	615 447 C2
2	RING	3 042 934 R1
2	RING	3 132 193 R1
2	ELEMENT, fuel filter	3 132 428 R2
1	RING	254 098 R1
1	GASKET	623 012 C1
1	ELEMENT	623 017 C1
1	ELEMENT, outer cleaner	625 041 C1
1	ELEMENT, inner cleaner	625 042 C1
1	GASKET	3 138 638 R1)

REF. NO.	PART NUMBER	DESCRIPTION
FUEL AND HYDRAULIC LOCKING CAP		

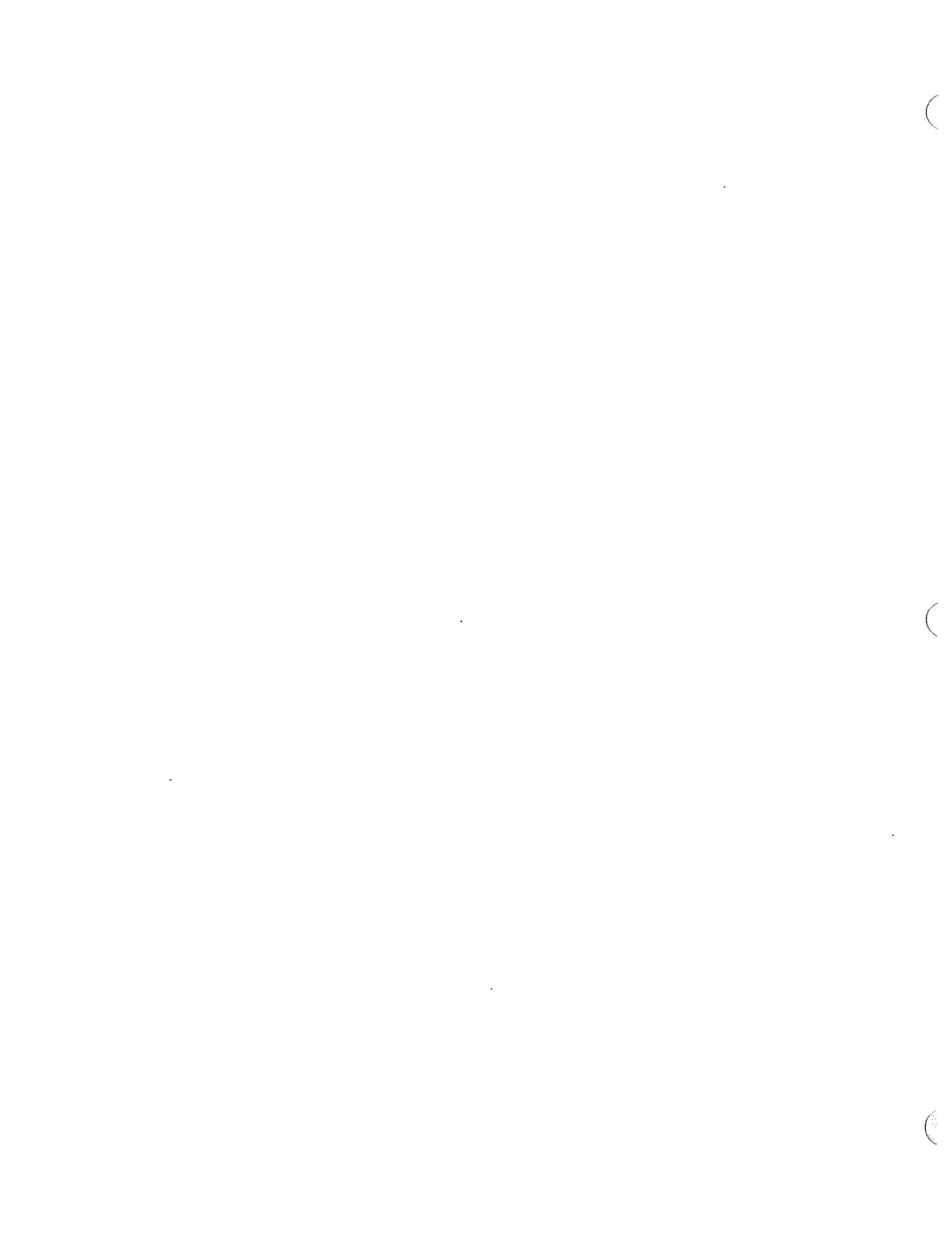


PL-116433

	628 156 C91	CAP, outer locking
1	650 382 C91	PADLOCK w/KEYS
2	618 825 C2	CAP, outer locking
3	618 826 C2	PIN
4	23 221 R1	RING, retaining
5		CAP (Not part of CAP, 628 156 C91) (Refer to "FUEL TANK" or "HYDRAULIC RESERVOIR")
6	309 056 R1	RING, retaining (Optional w/RING, 300 027 R1)
6	300 027 R1	RING, retaining (Optional w/RING, 309 056 R1)

FIRE EXTINGUISHER

549 973 C91	EXTINGUISHER, fire
120 361	NUT (4)
120 221	SCREW (4)
115 707	WASHER (4)



AIR

3

NOT USED ON THIS MACHINE

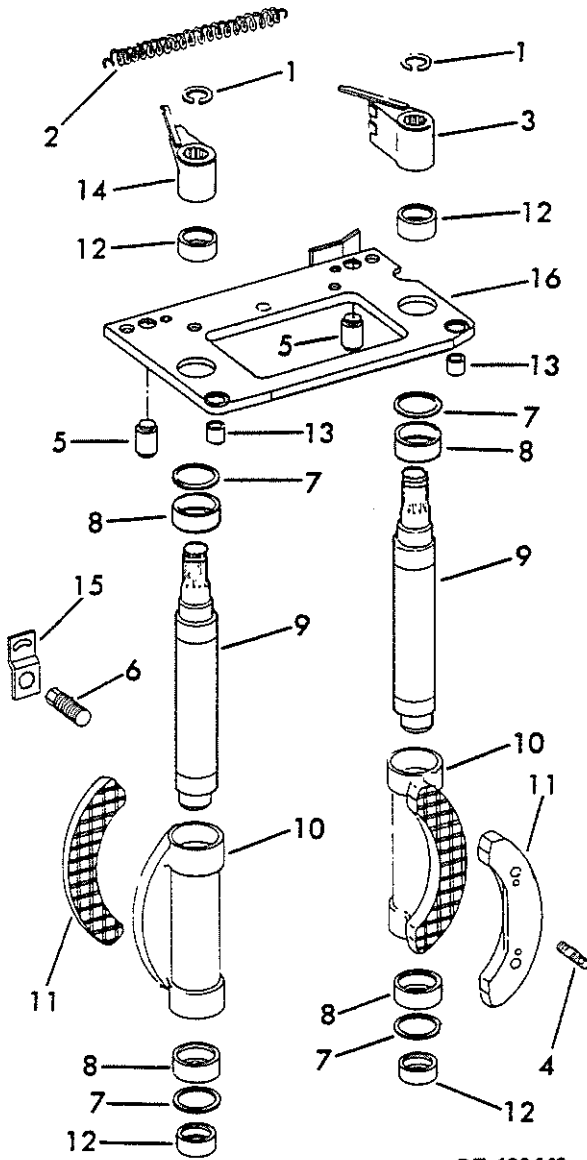
Printed in United States of America.



**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

BRAKES

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE SHOES AND LEVERS					
			6	621 039 C1	SCREW, clutch back-up shoe adjustment (2)
			7	621 026 C1	WASHER, actuating shoe thrust (8)
			8	675 708 R91	BEARING, needle (8)
			9	621 025 C1	SHAFT, brake and clutch actuating shoe eccentric (4)
			10	621 021 C91	SHOE w/two BEARING, 675 708 R91, brake clutch actuating (4)
			11	621 037 C1	SHOE, brake and clutch back-up (4)
			12	621 090 C91	BEARING, needle (8)
			13	733 227 C1	SPACER (4)
			14	621 027 C1	LEVER-LH, steering clutch
			14	621 028 C1	LEVER-RH, steering clutch
			15	621 822 C1	PLATE, lock (2)
				24 839 R1	SCREW, hex-hd cap (2)
				120 930	WASHER, lock (2)
			16	733 233 C91	PLATE w/two BEARING, 621 090 C91 and two DOWEL, 621 087 C1, LH, steering shaft support (Used w/REAR MAIN FRAME ASSEMBLY, 733 288 C91)
			16	733 234 C91	PLATE w/two BEARING, 621 090 C91 and two DOWEL, 621 087 C1, RH, steering shaft support (Used w/REAR MAIN FRAME ASSEMBLY, 733 288 C91)
				24 864 R1	BOLT (4)
				25 546 R1	WASHER (4)



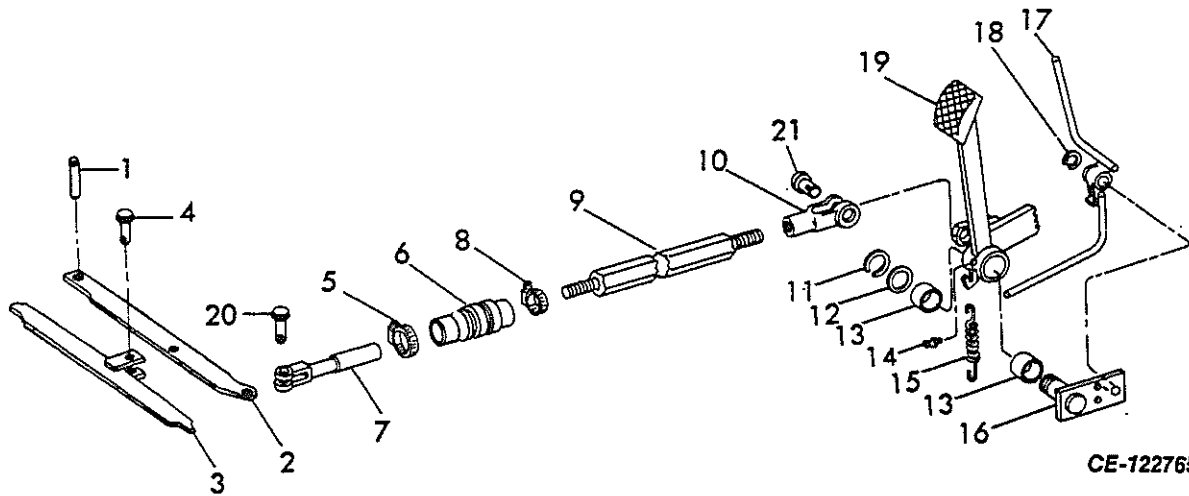
CE-122440

1	621 036 C1	RING, lever retaining (4)
2	360 677 R1	SPRING, shoe return (2)
3	621 032 C1	LEVER-LH, steering brake
3	621 033 C1	LEVER-RH, steering brake
4	621 040 C1	SCREW, brake back-up shoe seal (2)
	219 760	NUT, 1 NF hex jam (2)
5	621 087 C1	DOWEL (4)

BRAKES

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BRAKE CONTROLS (FOOT PEDAL)



CE-122765

1	621 319 C1	PIN, brake actuator pivot	12	514 161 R1	WASHER, brake pedal shaft
2	621 318 C1	BAR, brake actuator	13	621 307 C1	BUSHING (2)
3	621 310 C1	BAR, brake equalizer	14	126 152	FITTING, brake pedal lubrication
4	103 498	PIN, brake actuator rod end	15	333 074 R1	SPRING, brake pedal return
	103 385	PIN, cotter	16	621 302 C1	PLATE, brake pedal mounting
5	681 896 C1	CLAMP, brake boot (Large)		25 274 R1	BOLT (3)
6	652 829 C1	BOOT, brake		116 121	WASHER, lock (3)
7	652 827 C1	CLEVIS, brake rod rear	17	632 350 C1	PAWL, brake lock
	114 496	NUT, NF jam		25 536 R1	WASHER, flat
8	122 316 R91	CLAMP, brake boot (Small)	18	269 192 R1	RING, brake lock pawl snap (2)
9	667 543 C1	ROD, brake	19	621 300 C91	PEDAL w/two BUSHING, 621 307 C1, brake
10	19 457 R1	CLEVIS, rod end adjustment (Short LH)	20	103 499	PIN, rod end
	145 406	NUT, NF LH jam		103 385	PIN, cotter
11	347 421 R1	RING, brake pedal shaft snap	21	103 498	PIN, rod end
				103 385	PIN, cotter



NOT USED ON THIS MACHINE



**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

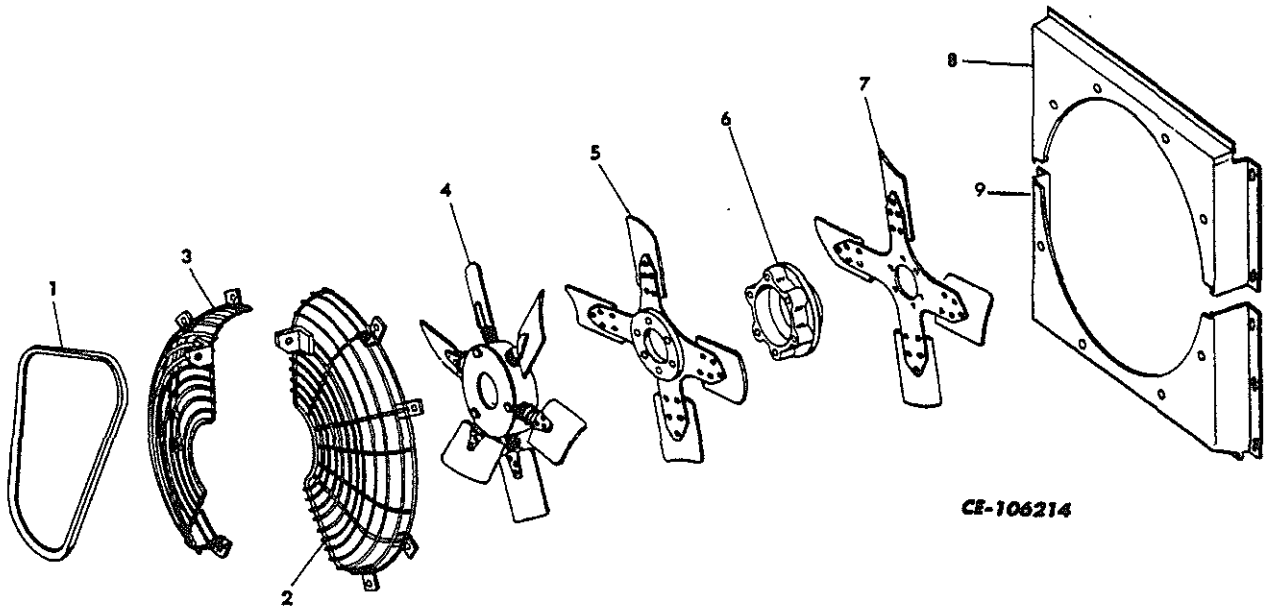
COOLING

6

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FAN, FAN BELT AND RELATED PARTS

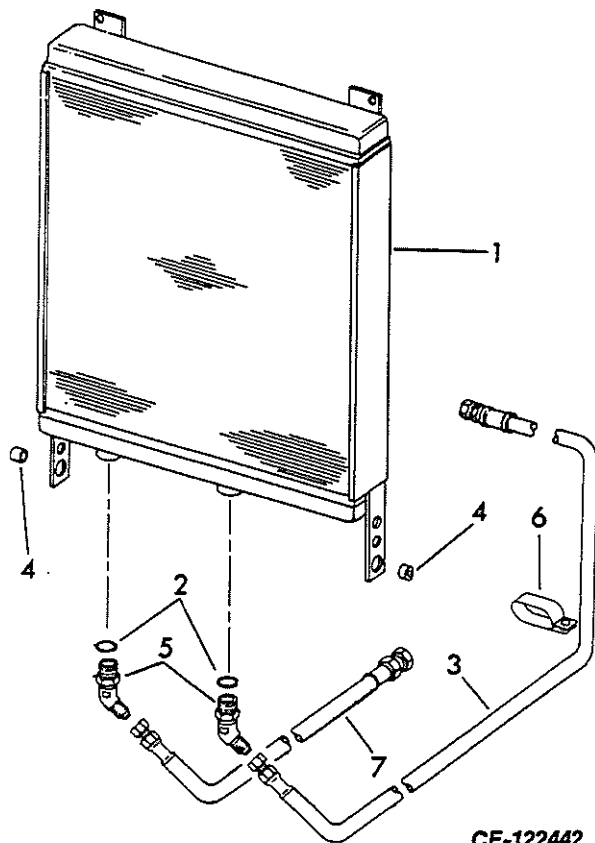


1	621 770 C1	BELT, fan and water pump	6	3 055 300 R1	SPACER, fan (For use with suction fan)
2	622 514 C1	GUARD, RH fan	7	619 921 C1	FAN, suction
	25 522 R1	NUT		25 750 R1	SCREW, hex-hd cap (6)
	24 839 R1	SCREW, hex-hd cap (5)		116 120	WASHER, lock (6)
	115 093	WASHER, lock (5)			
	103 341	WASHER, flat (5)	8	668 481 C1	SHROUD, upper fan
3	622 513 C1	GUARD, LH fan		24 839 R1	SCREW, hex-hd cap (4)
	24 839 R1	SCREW, hex-hd cap (4)		115 093	WASHER, lock (4)
	115 093	WASHER, lock (4)		103 341	WASHER, flat (4)
	103 341	WASHER, flat (4)	9	668 482 C1	SHROUD, lower fan (Modine)
4	619 985 C1	FAN, reversible (It is recommended that armored core radiator be used with reversible fan)		24 839 R1	SCREW, hex-hd cap (6)
	25 751 R1	SCREW, hex-hd cap (6)		115 093	WASHER, lock (6)
	116 120	WASHER, lock (6)		103 341	WASHER, flat (6)
5	625 383 C1	FAN, blower			
	25 493 R1	SCREW, hex-hd cap (6)			
	116 120	WASHER, lock (6)			

COOLING

REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION OIL COOLER AND PIPING



REF. NO.	PART NUMBER	DESCRIPTION
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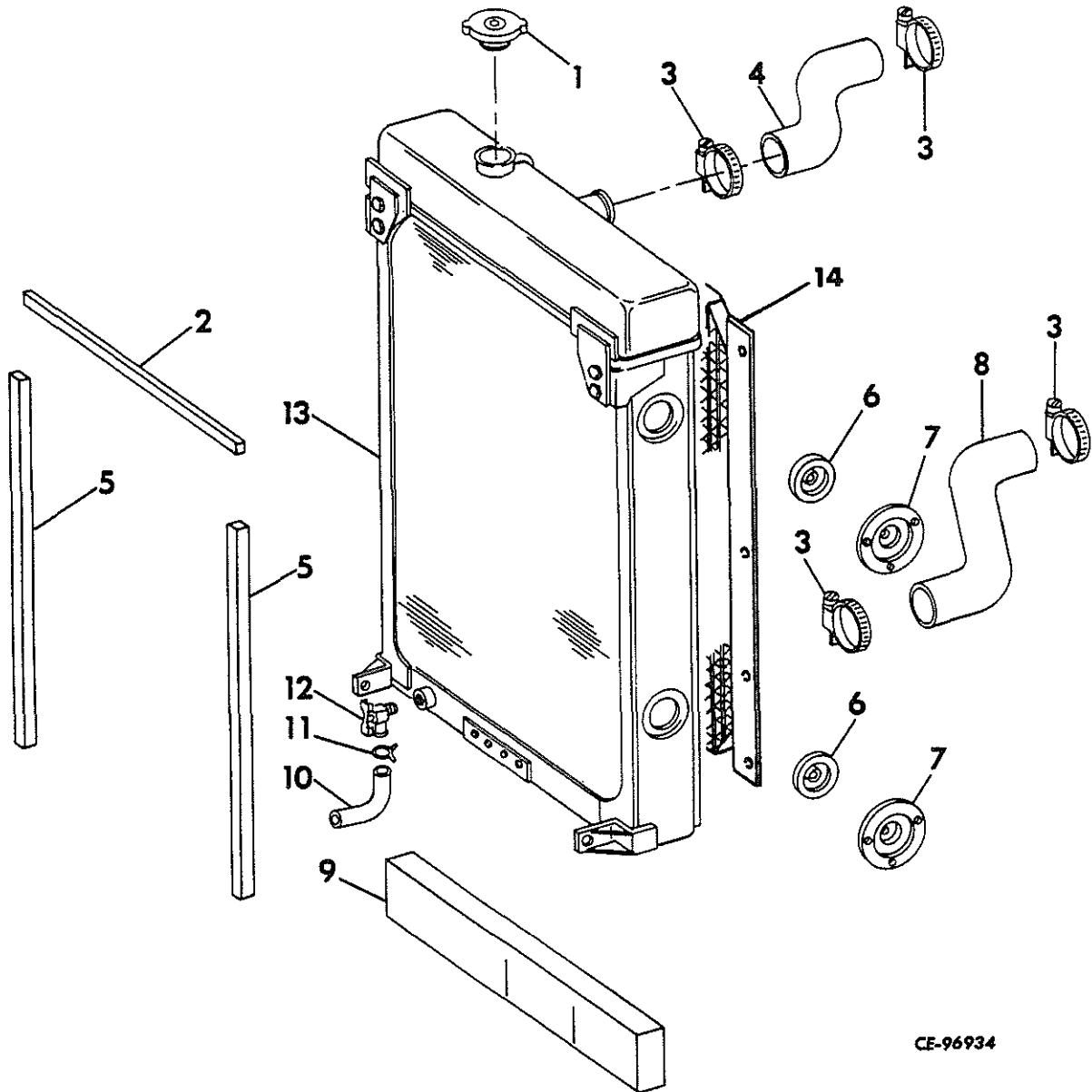
- | | | |
|---|--------------------------------------|--|
| 6 | 317 262 R1
24 839 R1
25 534 R1 | CLAMP, oil cooler hose
BOLT
WASHER |
| 7 | 713 372 C1 | HOSE, torque converter to oil cooler (Hose, 5/8" ID x 55' long including fittings) |
| | 622 450 C1
103 341
9 413 379 | CABLE, oil cooler support
WASHER (2)
NUT (2) |
| | 327 273 R91 | STRAP, cooler inlet and outlet hose (2) |

- | | | |
|---|-------------|---|
| 1 | 637 361 C2 | COOLER, transmission oil (Optional w/COOLER, 661 181 C91) |
| 1 | 661 181 C91 | COOLER, transmission oil (Optional w/COOLER, 637 361 C2) |
| | 24 840 R1 | BOLT, 3/8" dia. (2) |
| | 24 861 R1 | BOLT, 1/2" dia. (2) |
| | 25 526 R1 | NUT (2) |
| | 25 544 R1 | WASHER, hardened (2) |
| | 103 343 | WASHER, 17/32" flat (2) |
| | 116 121 | WASHER, 1/2" lock (2) |
| 2 | 368 269 R1 | RING, cooler elbow sealing (2) |
| 3 | 733 105 C1 | HOSE, cooler out to transmission lubrication port on output shaft (Hose, 5/8" ID x 72" long including fittings) |
| 4 | 474 074 R1 | SPACER, cooler hinge (2) |
| 5 | 9 411 107 | ELBOW, cooler inlet and outlet (2) |

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR AND CONNECTIONS



CE-96934

1	713 389 C2	CAP, radiator	7	622 456 C1	BRACKET, radiator mounting (4)
2	622 460 C1	SEAL, radiator top air		24 859 R1	SCREW, hex-hd (12)
3	279 038 R91	CLAMP, radiator inlet and outlet hose (4)		116 121	WASHER, lock (12)
4	663 374 C1	HOSE, radiator inlet	8	667 267 C1	HOSE, radiator outlet
5	622 465 C1	SEAL, radiator side air (2)	9	622 461 C1	SEAL, radiator bottom air
6	274 287 R2	MOUNTING, radiator rubber (4)	10	622 462 C1	HOSE, radiator drain
			11	210 511 R1	CLAMP, drain hose

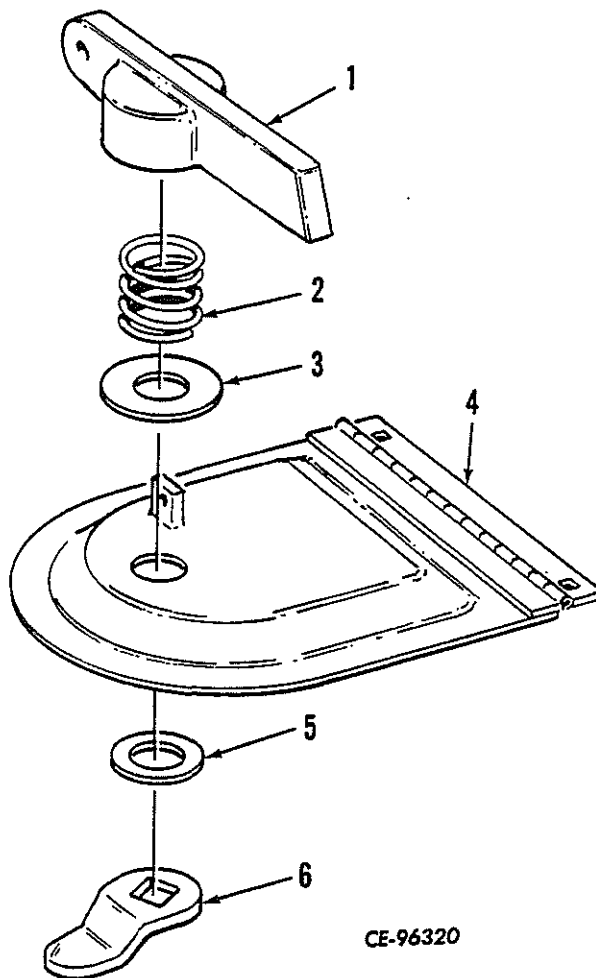
COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR AND CONNECTIONS — Continued

12	148 344	VALVE, radiator drain
13	619 927 C91	RADIATOR ASSEMBLY, armored core (Perfex) (Not used with sand shield) (%)
13	652 113 C92	RADIATOR ASSEMBLY, armored core (Modine) (Not used with sand shield) (%)
14		NOT USED IN THIS APPLICATION
	140 581	CLAMP, radiator overflow tube (3)

RADIATOR FILLER CAP LOCK



CE-96320

1	622 539 C1	HANDLE, locking
2	562 008 R1	SPRING, handle
3	92 779 R1	WASHER, handle thrust
4	622 535 C2	DOOR, radiator cap access
	24 839 R1	SCREW, hex-hd cap (2)
	25 522 R1	NUT (2)
	115 093	WASHER, lock (2)
5	Q 3 481	WASHER, flat locking pawl spacer
6	622 759 C1	PAWL, access door locking
	24 839 R1	SCREW, hex-hd cap
	114 606	WASHER, lock
	28 035 K	WASHER, flat

(%) - Two radiators are available. One is manufactured by Modine and the other by Perfex. Modine radiators can be identified by the manufacturer's name tag soldered on the upper radiator tank, next to the water inlet. Perfex radiators can be identified by the manufacturer's name plate located in the middle of the radiator core, on the side facing the engine.



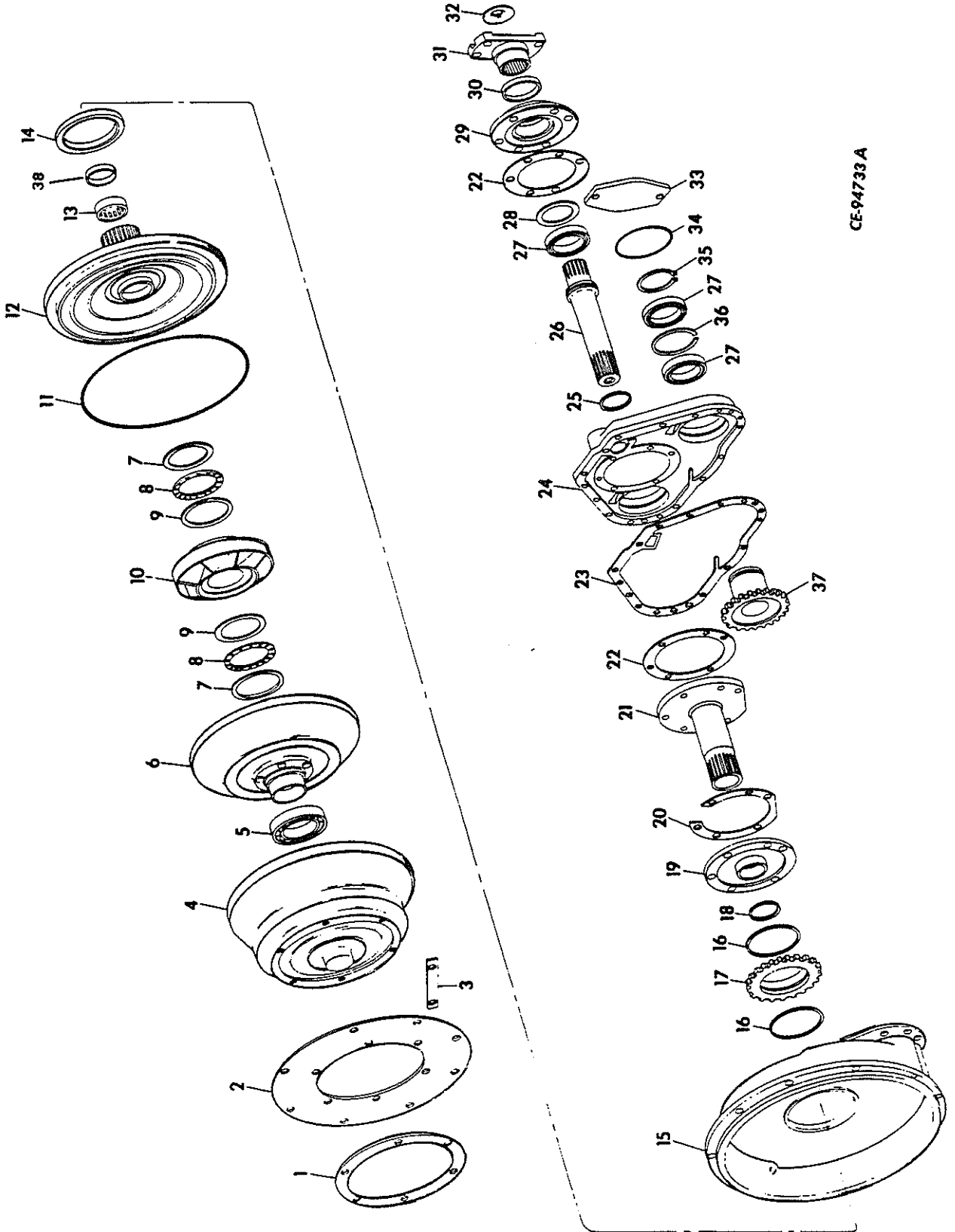
REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS

DRIVE TRAIN

7

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TORQUE CONVERTER AND RELATED PARTS



CE-94733 A

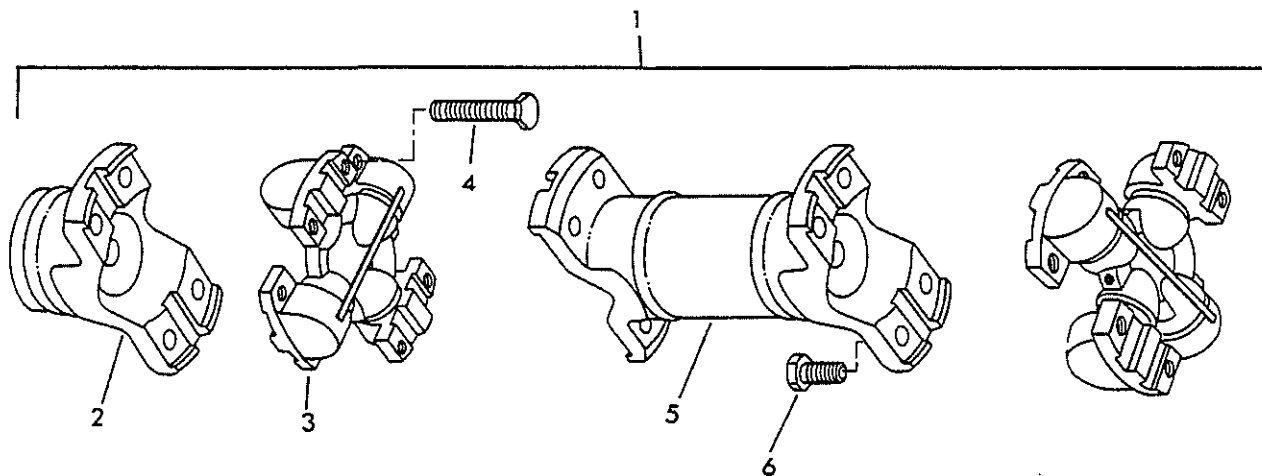
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND RELATED PARTS –			24	619 967 C1	COVER, power take-off
Continued				179 840	SCREW, hex-hd cap (15)
				108 580	WASHER, heavy lock (15)
	619 915 C91	CONVERTER ASSEMBLY, torque	25	619 972 C1	RING, ground sleeve hub seal
	25 497 R1	SCREW, 3/8" dia. hex-hd cap (12)	26	619 959 C1	SHAFT, turbine output
	25 534 R1	WASHER, lock (12)	27	ST 205 A	BEARING, output shaft ball (5)
	26 316 R1	SCREW, 1/2" dia. hex-hd cap (8)	28		SHIM, output shaft bearing (Order KIT, 625 879 C93)
	25 536 R1	WASHER (8) (Composed of -	29	619 961 C1	RETAINER, output shaft bearing
1	619 951 C1	PLATE, lock		273 062 R1	WASHER, seal (6)
	25 769 R1	BOLT (6)		179 849	BOLT (6)
2	619 966 C2	DISC, flexible flywheel	30	619 982 C91	OIL SEAL, output shaft bearing
3	619 952 C1	STRIP, clamp (4)	31	619 962 C1	FLANGE, output
4	619 963 C1	HOUSING, converter drive		179 859	SCREW, hex-hd cap
5	606 265 C91	BEARING, turbine hub		103 322	WASHER, lock
6	619 949 C91	TURBINE	32	619 899 C1	WASHER, flange retainer
7	374 041 R1	WASHER, thrust (2)	33	621 269 C1	COVER, equipment pump drive (Not part of converter assembly)
8	625 060 C91	BEARING, thrust (2)		24 861 R1	SCREW, hex-hd cap (2)
9	619 893 C1	WASHER, thrust (2)		116 121	WASHER, lock (2)
10	619 953 C1	STATOR	34	468 339 R1	RING, pump drive cover seal (Not part of converter assembly)
11	627 193 C1	RING, seal	35	659 380 R1	RING, external snap (2)
12	619 950 C91	IMPELLER w/BEARING,	36	625 916 C1	RING, internal snap (2)
	27 347 R1	625 885 C91, converter	37	619 955 C1	GEAR, accessory driven (2)
	631 944 C1	BOLT (12)	38		SLEEVE, impeller wear (Order KIT, 625 879 C93)
		WASHER (12)		347 554 R1	PLUG, pipe
13	625 885 C91	BEARING, impeller hub		625 879 C93	KIT, torque converter shim, seal, and gasket (Consists of -
14	619 621 C91	SEAL, oil			2 GASKET 619 956 C1
15	619 968 C1	HOUSING, converter			1 GASKET 619 957 C1
	149 212 H1	PIN, dowel (2)			1 GASKET 619 965 C1
16	202 451 H1	RING, output shaft external snap (2)			2 RING 202 451 H1
17	619 954 C1	GEAR, accessory drive			1 RING 619 972 C1
18	625 062 C1	RING, output shaft piston hook type seal			1 RING 625 062 C1
19	619 958 C1	BLOCK, retainer			1 RING 627 193 C1
20	619 957 C1	GASKET, ground sleeve			1 SEAL 619 621 C91
21	619 964 C1	HUB, ground sleeve			1 SEAL 619 982 C91
22	619 956 C1	GASKET, output shaft bearing retainer (2)			2 SHIM (.005) S
23	619 965 C1	GASKET, power take-off cover			2 SHIM (.010) S
					1 SHIM (.020) S
					1 SLEEVE S)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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UNIVERSAL JOINT



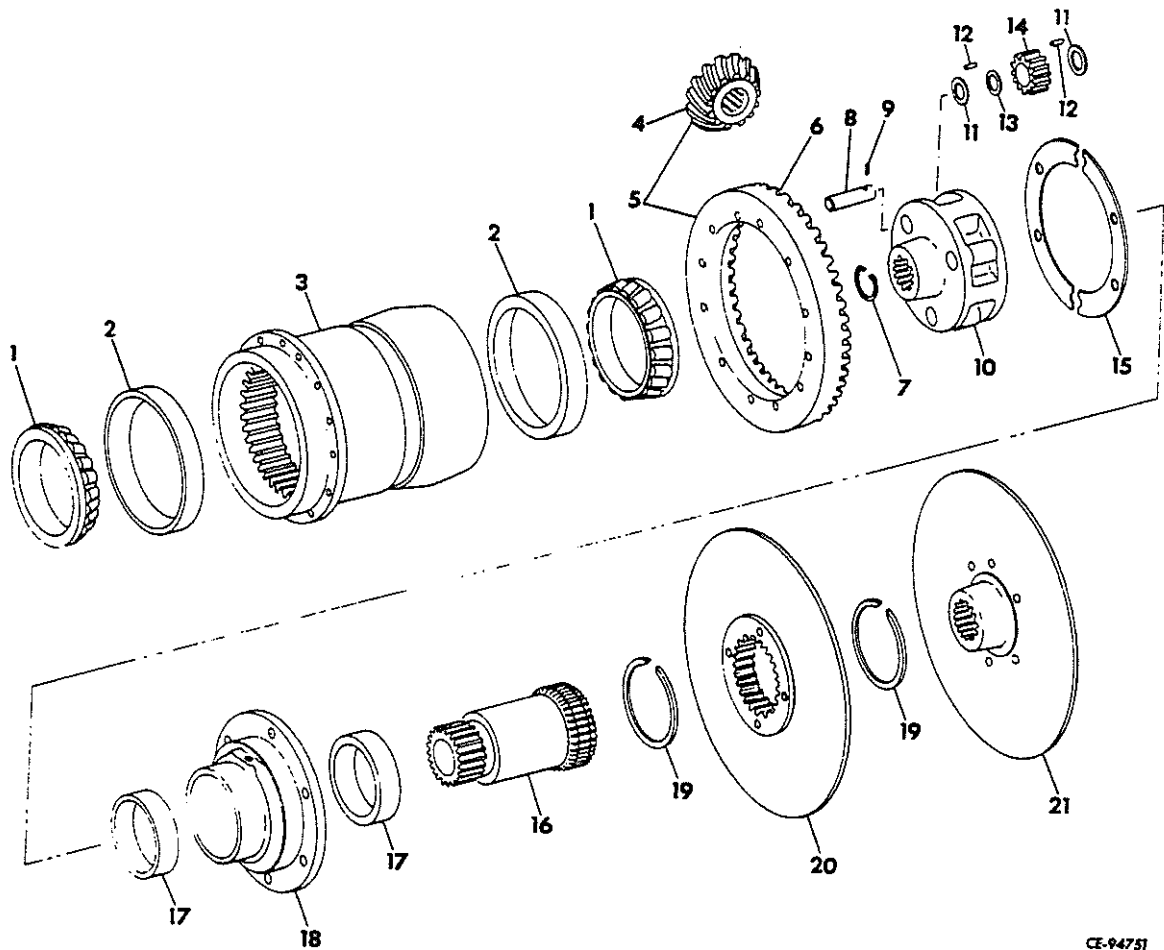
CE-122526

1	705 097 C91 27 366 R1	JOINT ASSEMBLY, universal BOLT (4) (Composed of -	4	27 366 R1	BOLT (4)
2	705 385 C1	FITTING, yoke assembly	5	\$	TUBE ASSEMBLY
3	634 830 C91	SPIDER w/BEARINGS (2)	6	634 829 C1	BOLT (8)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PLANETARY AND STEERING DRIVE



CE-94751

1	ST 2 094	CONE, bevel gear carrier roller bearing (2)	11	659 543 C1	WASHER, planet gear thrust (12)
2	ST 983	CUP, bevel gear carrier roller bearing (2)	12	629 836 C91	PACKAGE, planet gear needle bearing service (Consists of twenty needle bearings) (Two required to service one planet gear)
3	621 059 C1 26 973 R1	CARRIER, bevel gear BOLT (12)	13	629 838 C1	SPACER, planet gear needle bearing (6)
4	705 081 C1	GEAR, bevel pinion	14	629 839 C1	GEAR, planet (6)
5	629 248 C91	PACKAGE, drive bevel and pinion gear (Matched set)	15		SHIM-HALF, bevel gear bearing carrier (.005) (Order PACKAGE, 622 781 C91) (12)
6	705 080 C1	GEAR, bevel	15		SHIM-HALF, bevel gear bearing carrier (.007) (Order PACKAGE, 622 781 C91) (16)
7	194 298 R1	RING, snap (2)			
8	716 939 C1	SHAFT, planet gear (6)			
9	19 955 R1	PIN, planet gear shaft (6)			
10	716 938 C1	CARRIER, planet gear (2)			

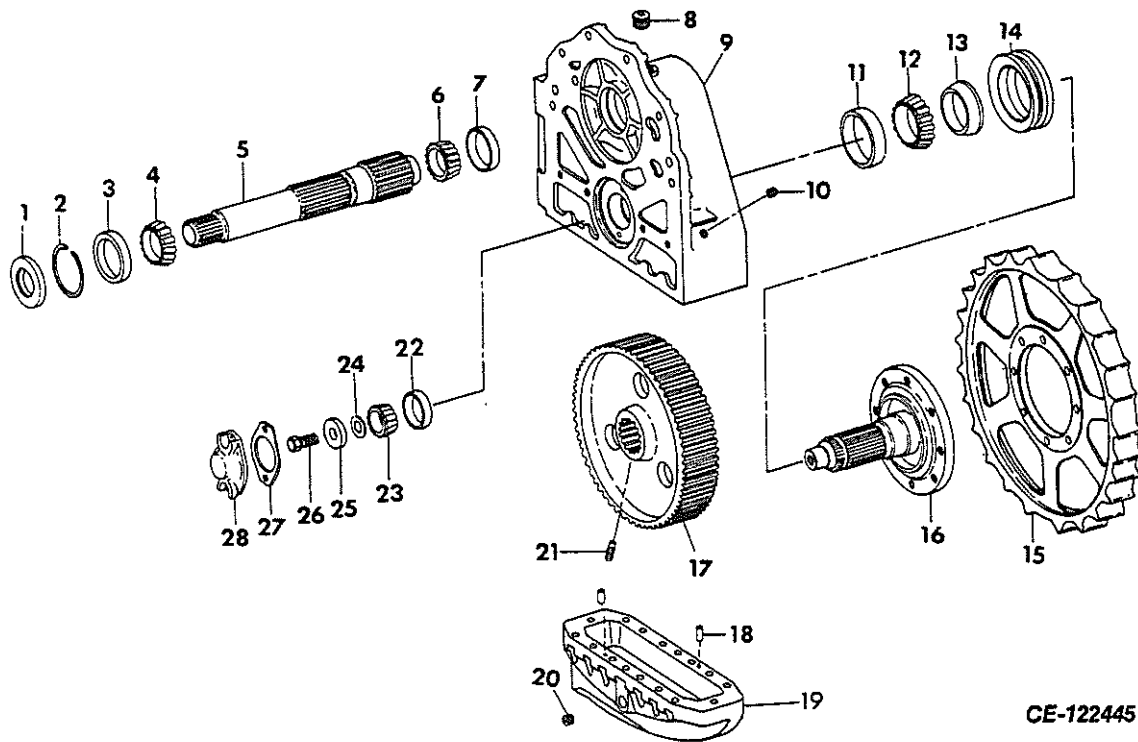
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PLANETARY AND STEERING DRIVE – Continued					
15		SHIM-HALF, bevel gear bearing carrier (.020) (Order PACKAGE, 622 781 C91) (32)			
16	621 068 C2	GEAR, sun (2)			
17	621 066 C1	BUSHING, sun gear (4)			
18	621 064 C91	CAGE w/two BUSHING, 621 066 C1, bevel gear carrier bearing (2)			
	26 974 R1	SCREW, hex-hd cap (12)			
	25 545 R1	WASHER, hardened (12)			
19	621 069 C1	RING, sun gear retainer (4)			
20	621 070 C91	DISC, steering clutch (2)			
21	621 073 C91	DISC, steering brake (2)			
	622 781 C91	PACKAGE, bevel gear bearing carrier shim (Consists of six half-shim (.005), eight half-shim (.007) and sixteen half-shim (.020)) (For servicing one bevel gear bearing carrier)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SPROCKET AND SPROCKET DRIVE



CE-122445

1	621 113 C92	SEAL, pinion shaft oil (2)	9	621 106 C92	HOUSING w/two PIN, 367 478 R1, CORK, 104 939, and PLUG, 270 835 R1, RH sprocket drive
2	621 140 C1	RING, pinion shaft inner bearing snap (.109 thick) (2 or x)		26 322 R1	BOLT, 2" long (5)
2	621 112 C1	RING, pinion shaft inner bearing snap (.101 thick) (2 or x)		24 878 R1	BOLT, 2-3/4" long (2)
2	705 474 C1	RING, pinion shaft inner bearing snap (.117" thick) (2 or x)		734 324 C1	STUD (2)
				25 695 R1	BOLT, 6-1/2" long
				25 528 R1	NUT (2)
				25 537 R1	WASHER (10)
3	659 458 R91	CONE, pinion shaft inner roller bearing (2)	10	270 835 R1	PLUG, 3/4 sq-soc filler pipe (2)
4	659 459 R1	CUP, pinion shaft inner roller bearing (2)	11	622 337 C1	CUP, sprocket shaft outer roller bearing (2)
5	621 111 C1	SHAFT, sprocket drive pinion (2)	12	622 336 C1	CONE, sprocket shaft outer roller bearing (2)
6	ST 987	CUP, pinion shaft outer roller bearing (2)	13	622 566 C3	SPACER, sprocket shaft outer bearing locating (2)
7	ST 2 118	CONE, pinion shaft outer roller bearing (2)	14	655 473 C91	SEAL w/two WIPERS and INSTALLATION INSTRUCTIONS, sprocket carrier (2)
8	601 244 C1	PLUG, pipe (Used with housing w/cored tapped hole) (2)	14	716 720 C91	KIT, Belleville washer service (Consists of two washer, two wiper and installation instructions) (x)
9	621 105 C92	HOUSING w/two PIN, 367 478 R1, CORK, 104 939, and PLUG, 270 835 R1, LH sprocket drive			

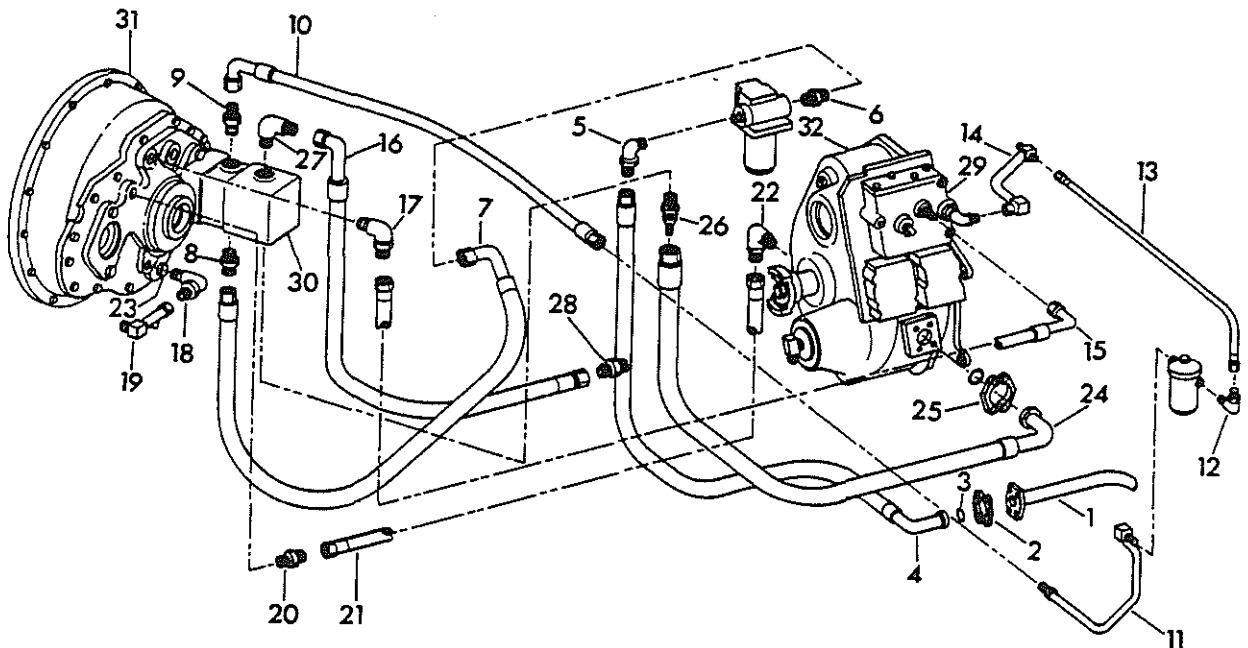
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SPROCKET AND SPROCKET DRIVE – Continued					
15	621 137 C1	SPROCKET (2)			
	25 355 R1	SCREW, hex-hd cap (16)			
	25 538 R1	WASHER, flat (16)			
16	622 247 C2	SHAFT, sprocket carrier (2)			
17	621 109 C2	GEAR, sprocket drive (2)			
18	367 478 R1	PIN, dowel (4)			
19	716 898 C1	COVER, LH sprocket drive housing			
19	716 899 C1	COVER, RH sprocket drive housing			
	24 862 R1	BOLT (14)			
	116 121	WASHER (14)			
20	270 835 R1	PLUG, housing drain (2)			
21	621 110 C2	SCREW, sprocket drive gear re- taining (2)			
	454 522 R1	NUT, lock (2)			
22	ST 987	CUP, sprocket shaft inner roller bearing (2)			
23	ST 2 118	CONE, sprocket shaft inner roller bearing (2)			
24		SHIM, sprocket carrier shaft (.005) (Order PACKAGE, 622 782 C92) (8)			
24		SHIM, sprocket carrier shaft (.007) (Order PACKAGE, 622 782 C92) (8)			
24		SHIM, sprocket carrier shaft (.020) (Order PACKAGE, 622 782 C92) (8)			
25	621 102 C1	WASHER, sprocket carrier shaft re- tainer (2)			
26	25 355 R1	BOLT, sprocket carrier shaft (2)			
27	621 103 C1	GASKET, sprocket carrier shaft cover (2)			
28	621 104 C1	COVER, sprocket carrier shaft (2)			
	70 427 R1	SCREW, hex-hd cap (4)			
	115 314	WASHER, lock (4)			
	622 782 C92	PACKAGE, sprocket carrier shaft shim (Consists of four shim (.005), four shim (.007) and six shim (.020)) (For servicing one sprocket carrier shaft)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION AND TORQUE CONVERTER PIPING



CE-122539

1	709 475 C1 343 909 R1	TUBE, rear main frame suction RING, sealing	11	732 453 C1 296 247 R1	TUBE, pressure filter inlet RING, sealing
2	877 949 C2 24 621 R1 115 093	CLAMP, suction tube (2) BOLT (4) WASHER (4)	12	150 776 C91 296 247 R1	ELBOW, 90° pressure filter outlet RING, sealing
3	343 906 R1	RING, sump to suction filter	13	732 454 C1	HOSE w/FITTINGS, pressure filter to tube on regulator valve (3/4" ID x 34" long including fittings)
4	710 660 C1	HOSE w/FITTINGS, sump to suction filter (1" ID x 34" long including fittings)	14	710 654 C1	TUBE, regulator valve (M)
5	9 410 981 296 247 R1	ELBOW, 90° suction filter inlet RING, sealing	15	710 741 C1	HOSE w/FITTINGS, regulator valve (C) to torque converter inlet (3/4" ID x 28" long including fittings)
6	9 410 207 296 247 R1	ADAPTER, suction filter outlet RING, sealing	16	710 741 C1	HOSE w/FITTINGS, scavenge pump to rear main frame (3/4" ID x 28" long including fittings)
7	702 755 C1	HOSE w/FITTINGS, suction filter to pump (1" ID x 35" long including fittings)	17	9 410 979 368 269 R1	ELBOW, 90° torque converter inlet RING, sealing
8	9 410 207 296 247 R1	ADAPTER, charge pump inlet RING, sealing	18	9 410 979 368 269 R1	ELBOW, 90° torque converter outlet RING, sealing
9	9 410 205 368 269 R1	CONNECTOR, 37° charge pump outlet RING, sealing	19	713 371 C1	TUBE, torque converter
10	656 556 C1	HOSE w/FITTINGS, pump to pressure filter inlet	20	9 410 205 368 269 R1	CONNECTOR, 37° torque con- verter drain RING, sealing

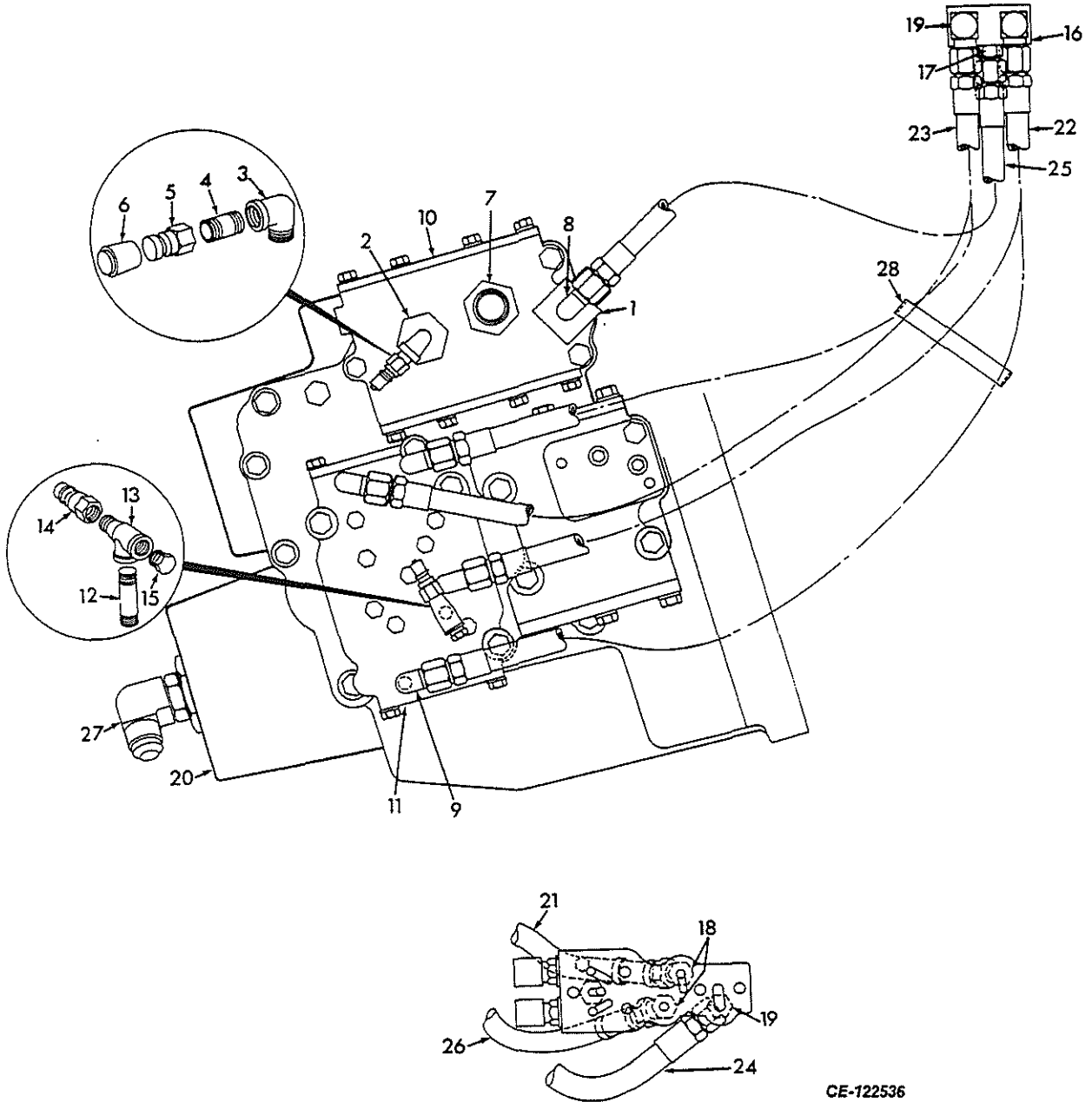
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION AND TORQUE CONVERTER PIPING – Continued				314 798 R1	CLIP, filter inlet tube
				327 273 R91	STRAP, hose (5)
21	336 627 R91	HOSE w/FITTINGS, torque con- verter drain to transmission (3/4" ID x 28" long including fittings)			
22	9 410 979 368 269 R1	ELBOW, 90° torque converter drain to transmission RING, sealing			
23	9 410 361 368 269 R1	PLUG, torque converter lube drain RING, sealing			
24	708 792 C1	HOSE w/FITTINGS, transmission scavenge to pump (1-1/4" ID x 37" long including fittings)			
25	290 045 R1 343 909 R1 27 411 R1 115 314	FLANGE, split (2) RING, sealing BOLT (4) WASHER (4)			
26	706 770 C1 307 915 R1	STRAINER, scavenge pump inlet fitting RING, sealing			
27	150 776 C91 296 247 R1	ELBOW, 90° scavenge pump outlet RING, sealing			
28	9 410 205 368 269 R1	CONNECTOR, 37° rear frame scavenge hose RING, sealing			
29		REGULATOR (Refer to "REG- ULATOR VALVE")			
30		PUMP (Refer to "TRANS- MISSION AND TORQUE CON- VERTER PUMP")			
31		CONVERTER (Refer to "TORQUE CONVERTER")			
32		TRANSMISSION (For components refer to "TRANSMISSION")			
	308 872 R1	CLAMP, hose (On RH plate of front frame) (Used w/HOSE, 656 556 C1)			
	24 839 R1	BOLT			
	120 382	WASHER, lock			
	25 544 R1	WASHER, flat			
	308 882 R1	CLAMP, filter outlet tube			
	24 863 R1	BOLT			
	25 526 R1	NUT			
	25 555 R1	WASHER, flat (2)			
	116 121	WASHER, lock			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION PIPING



1	708 417 C1 296 247 R1	ELBOW, regulator (M port) RING, sealing
2	667 958 C1 296 247 R1	PLUG, regulator (L port) RING, sealing
3	105 422	ELBOW, 90° street
4	105 404	NIPPLE, pipe regulator test

5	715 370 C1	COUPLING, regulator test
6	715 477 C1	PLUG, protective (2)
7	380 633 R1 296 247 R1	UNION, regulator (C port) RING, sealing
8	585 694 R1	ELBOW, 90° (Regulator main to manifold)

CE-122536

DRIVE TRAIN

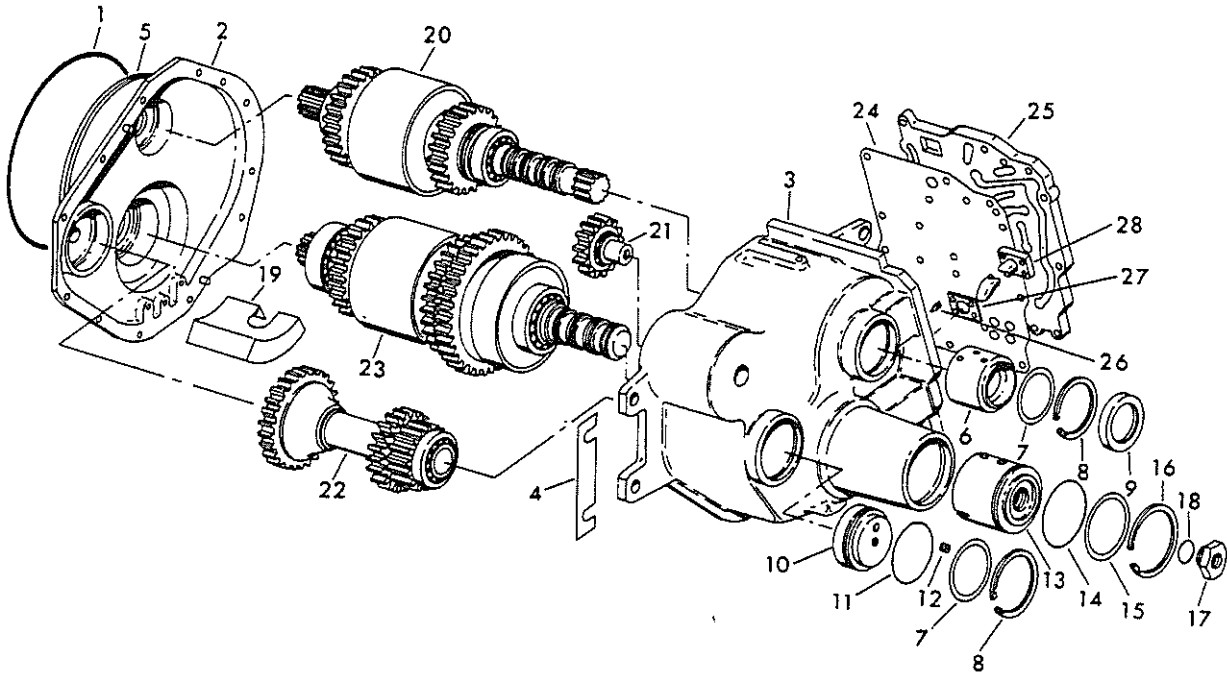
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION PIPING – Continued			27	9 410 979	ELBOW, 90° (On output shaft of transmission)
				368 269 R1	RING, sealing
9	585 694 R1	ELBOW, 90° (1st, 2nd, forward and reverse manifold hoses in range selector valve) (4)	28	327 273 R91	STRAP, hose
10		VALVE ASSEMBLY (Refer to "REGULATOR VALVE")		444 613	PLUG, pipe
11		VALVE ASSEMBLY (Refer to "RANGE SELECTOR VALVE")		333 934 R1	ELBOW, 90°, pilot valve drain in rear frame
12	121 211	NIPPLE, range selector test			
13	444 252	TEE, coupling and pressure gauge			
14	715 370 C1	COUPLING, range selector test			
15	444 613	PLUG, pipe			
16	666 153 C2	MANIFOLD, pilot valve			
17	9 410 202	CONNECTOR, swivel (Main on pilot valve manifold)			
	364 839 R1	RING, sealing			
18	9 411 104	ELBOW, 45° (1st and 2nd speed on pilot valve manifold) (2)			
	364 839 R1	RING, sealing (2)			
19	9 410 976	ELBOW, 90° (Forward, reverse and drain on pilot valve manifold) (3)			
	364 839 R1	RING, sealing (3)			
20		TRANSMISSION ASSEMBLY (Refer to "TRANSMISSION")			
21	708 845 C1	HOSE w/FITTINGS, range selector valve to pilot manifold (2nd) (5/16" ID x 31" long including fittings)			
22	708 845 C1	HOSE w/FITTINGS, range selector valve to pilot manifold (Forward) (5/16" ID x 31" long including fittings)			
23	708 845 C1	HOSE w/FITTINGS, range selector valve to pilot manifold (Reverse) (5/16" ID x 31" long including fittings)			
24	346 944 R91	HOSE w/FITTINGS, pilot manifold to rear main frame cover (Drain) (5/16" ID x 25" long including fittings)			
25	346 944 R91	HOSE w/FITTINGS, pilot manifold to regulator valve (M) (5/16" ID x 25" long including fittings)			
26	708 847 C1	HOSE w/FITTINGS, pilot manifold to range selector valve (1st) (5/16" ID x 35" long including fittings)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION

Transmission Case, Cover and Shafts



CE-121021

	716 969 C91	TRANSMISSION ASSEMBLY (Consists of all parts listed on the following pages under "TRANSMISSION" except "TRANSMISSION CONTROLS")		6	709 895 C1 20 040 R1	MANIFOLD, input shaft PIN, guide
	24 889 R1	BOLT (4)		7	705 495 C1	SHIM, input shaft mounting (.005") (8)
	632 287 C1	BOLT (5)		7	705 496 C1	SHIM, input shaft mounting (.007") (8)
	25 538 R1	WASHER (4)		7	705 497 C1	SHIM, input shaft mounting (.030") (8)
1	705 092 C1	"O" RING, transmission case pilot sealing (*)		8	28 099 R1	RING, retaining (2)
2	709 589 C1	COVER, transmission case BOLT (12) WASHER (12)		9	619 586 C91	SEAL, radial lip
3	709 896 C91	CASE w/two DOWEL, 19 904 R1, transmission		10	705 055 C1	COVER, countershaft
4	621 156 C1	SHIM, transmission mounting (.002") (4) (*)		11	22 410 R1	RING, sealing
4	621 157 C1	SHIM, transmission mounting (.007") (4) (*)		12	444 661	PLUG, socket hd (2)
4	621 158 C1	SHIM, transmission mounting (.020") (8) (*)		13	705 499 C1 20 040 R1	MANIFOLD, output shaft PIN, guide
5	19 904 R1	DOWEL, transmission case		14	259 246 R1	RING, sealing

(*) - Not part of "Transmission Assembly".

DRIVE TRAIN

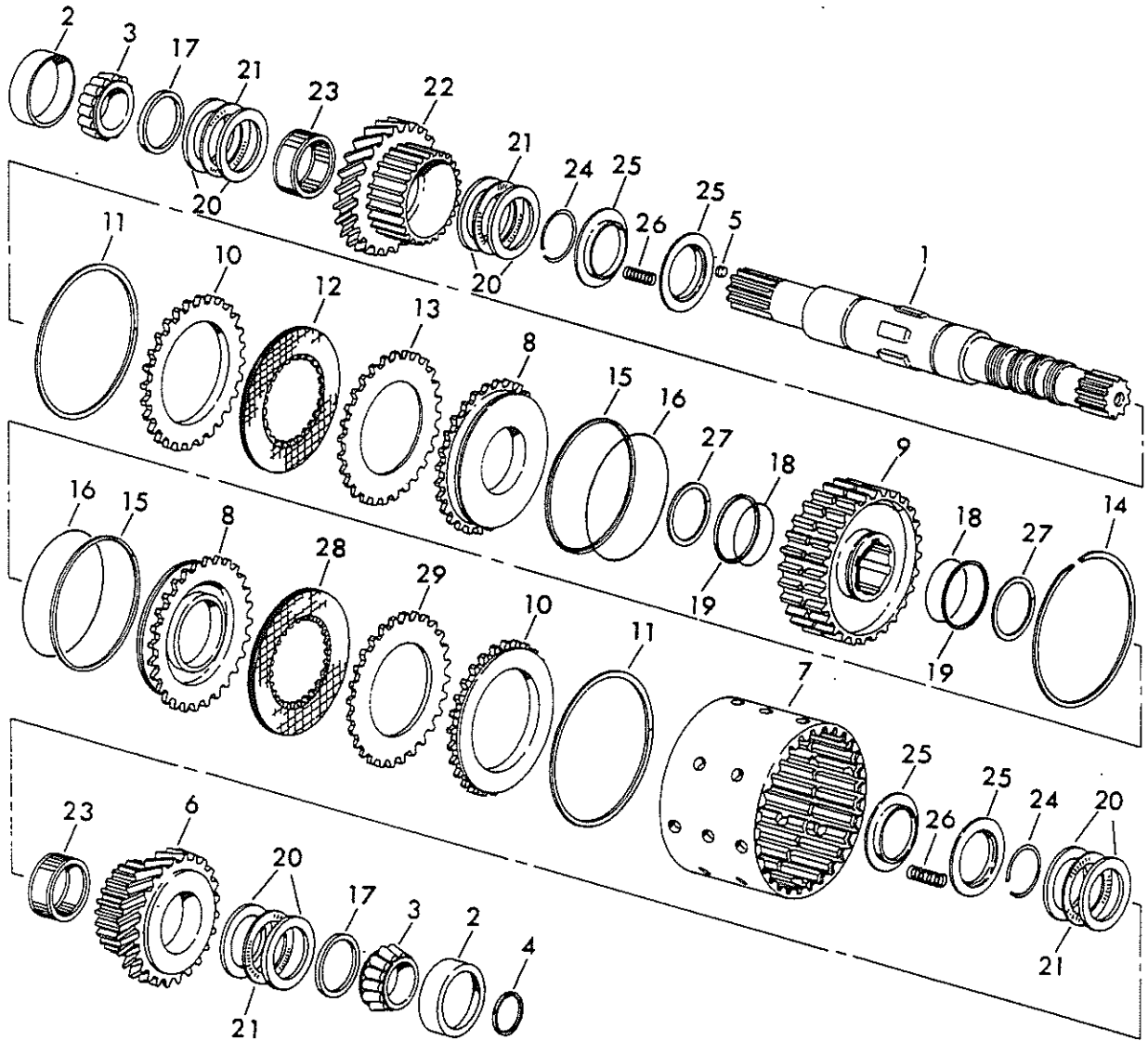
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION – Continued					
Transmission Case, Cover and Shafts					
15	709 492 C1	SHIM, output shaft mounting (.005") (4)			
15	709 493 C1	SHIM, output shaft mounting (.007") (4)			
15	709 494 C1	SHIM, output shaft mounting (.030") (4)			
16	28 101 R1	RING, retaining			
17	716 979 C1	ADAPTER, output shaft			
18	301 016 R1	"O" RING, sealing lube			
19	709 798 C1 26 309 R1 25 534 R1	BAFFLE, scavenge BOLT (3) WASHER (3)			
20		SHAFT, input (Refer to "TRANS- MISSION INPUT CLUTCH AND SHAFT")			
21		SHAFT, reverse idler (Refer to "TRANSMISSION REVERSE IDLER SHAFT")			
22		COUNTERSHAFT (Refer to "TRANSMISSION COUNTER- SHAFT")			
23		SHAFT, output (Refer to "TRANS- MISSION OUTPUT CLUTCH AND SHAFT")			
24	716 912 C1	GASKET, manifold (*)			
25	716 911 C1 24 843 R1 24 841 R1 25 534 R1	MANIFOLD, transmission (*) BOLT (3) BOLT (8) WASHER (11)			
26	738 058 C1	STRAINER ASSEMBLY (*)			
27	734 040 C1	GASKET, scavenge tube (*)			
28	709 590 C1	TUBE, scavenge (*)			
	9 410 358	PLUG, pump housing (On trans- mission manifold) (*)			
	364 839 R1	RING, sealing			

(*) - Not part of "Transmission
Assembly".

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION INPUT CLUTCH AND SHAFT



CE-121019

	716 833 C91	INPUT CLUTCH AND SHAFT ASSEMBLY (Composed of -		4	716 841 C1	RING, sealing (4) (*)
					OR	
				4	327 090 R2	RING, sealing (4) (*)
1	709 601 C91	SHAFT w/three PIN, 21 277 R1 and two PIN, 28 265 R1, input	5	21 277 R1	PIN, dowel (3)	
2	376 463 C1	CUP, input shaft front and rear (2) (*)	6	709 618 C1	GEAR w/HUB, reverse drive	
			6	709 790 C1	OR GEAR w/HUB, reverse drive	
3	631 170 C91	CONE, input shaft front and rear (2) (*)	7	716 836 C1	DRUM, forward-reverse clutch	
						(*) - Not part of "Input Shaft Assembly".

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION INPUT CLUTCH AND SHAFT –					
Continued					
8	709 837 C1	PISTON, clutch (2)			
9	709 839 C1	HOUSING, forward-reverse clutch			
10	1 212 818 C1	PLATE, clutch support (2)			
11	627 398 C1	RING, retaining (2)			
12	709 777 C1	DISC, friction (6)			
13	716 719 C1	PLATE, drive (5)			
14	1 212 814 C1	RING, internal snap			
15	709 631 C1	SEAL, piston (Large) (2)			
16	709 632 C1	RING, piston seal (2)			
17	716 907 C1	SPACER, bearing (2)			
18	659 910 C1	SEAL, piston (Small) (2)			
19	659 913 C1	RING, piston seal (2)			
20	659 907 C1	BEARING, thrust-race (8)			
21	374 011 R9†	BEARING, thrust (4)			
22	709 617 C1	GEAR w/HUB, forward drive			
	OR				
22	709 789 C1	GEAR w/HUB, forward drive			
23	610 766 C9†	BEARING ASSEMBLY, forward and reverse drive gear (2)			
24	632 341 C1	RING, clutch spring retaining (2)			
25	1 212 820 C1	RETAINER, spring (4)			
26	1 212 816 C1	SPRING, clutch (2)			
27	366 694 C1	RING, piston housing retaining (2)			
28	709 777 C1	DISC, friction (6)			
29	716 719 C1	PLATE, drive (5)			
	28 265 R1	PIN, coil spring (For retaining forward and reverse gear w/hub) (2)			

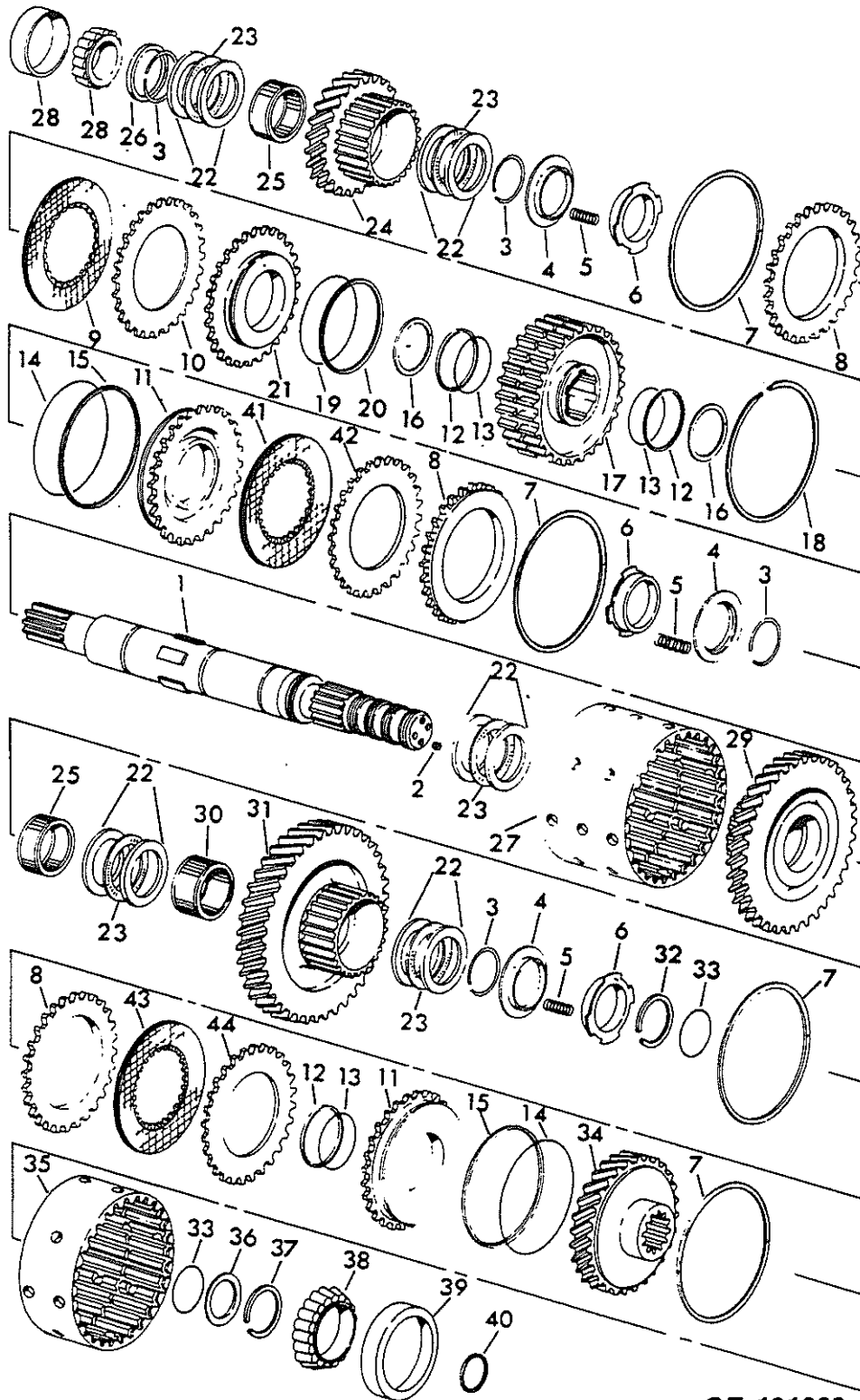
(*) - Not part of "Input Shaft Assembly".

DRIVE TRAIN

MEMORANDA

DRIVE TRAIN

TRANSMISSION OUTPUT CLUTCH AND SHAFT



CE-121009

DRIVE TRAIN

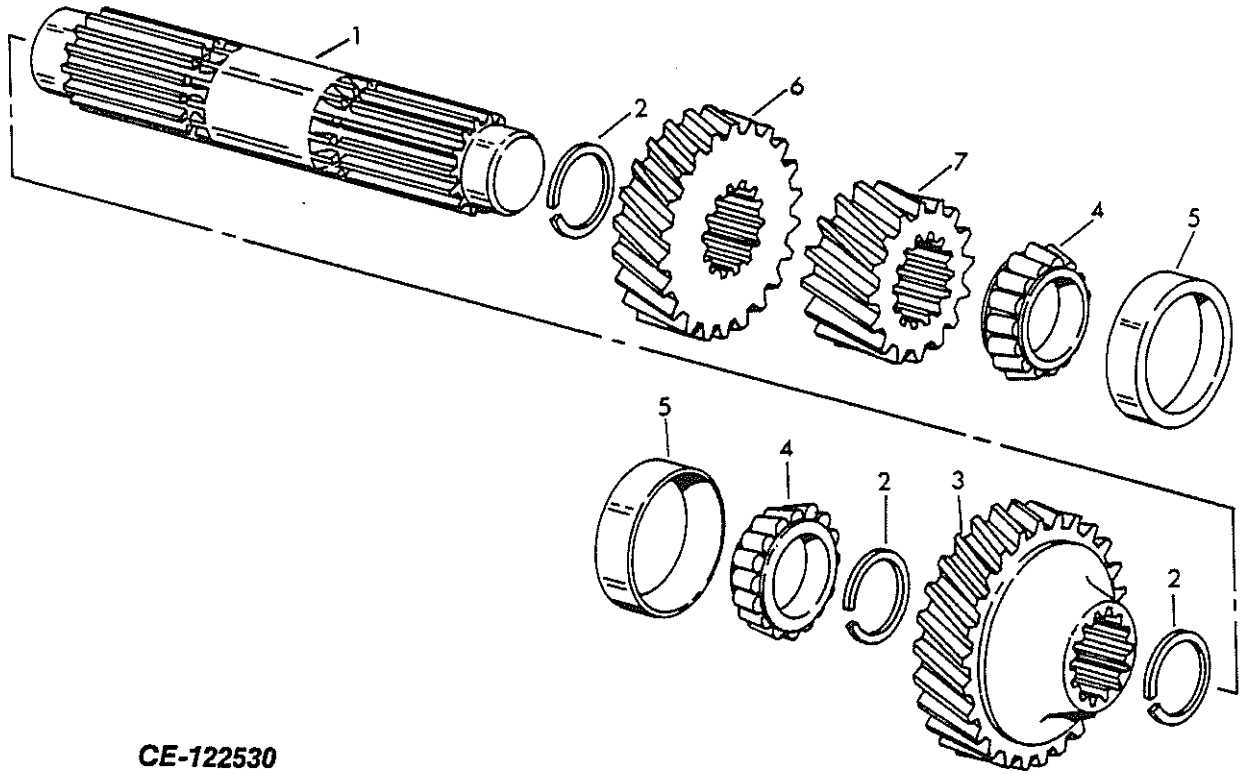
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION OUTPUT CLUTCH AND SHAFT – Continued			27	716 838 C1	DRUM, 2nd and 3rd speed
			28	55 490 R91	BEARING, output shaft rear (*)
	716 834 C91	OUTPUT CLUTCH AND SHAFT ASSEMBLY (Composed of -	29	709 792 C1	GEAR w/HUB, 2nd speed
1	709 784 C91	SHAFT w/three PIN, 21 277 R1 and three PIN, 28 265 R1, output	30	659 906 C91	BEARING, needle (1st speed gear)
2	21 277 R1	PIN, dowel (3)	31	709 621 C1 OR	GEAR w/HUB, 1st speed
3	632 341 C1	RING, retaining (4)	31	709 791 C1	GEAR w/HUB, 1st speed
4	1 212 820 C1	RETAINER, spring (3)	32	317 942 R1	RING, retaining
5	1 212 816 C1	SPRING, clutch (3)	33	21 924 R1	RING, sealing (2)
6	709 609 C1	SLEEVE, lube (3)	34	709 838 C1	HOUSING, 1st speed piston
7	627 398 C1	RING, retaining (4)	35	716 837 C1	DRUM, 1st speed clutch
8	1 212 818 C1	PLATE, clutch support (3)	36	716 835 C1	SPACER, 1st speed clutch
9	709 777 C1	DISC, friction (7)	37	258 400 C1	RING, retaining
10	716 719 C1	PLATE, drive (6)	38	630 694 C91	CONE, output shaft front (*)
11	709 837 C1	PISTON, clutch (1st and 2nd speed) (2)	39	630 695 C1	CUP, output shaft front (*)
12	659 910 C1	SEAL, piston (Small) (3)	40	716 840 C1	RING, sealing (4) (*)
13	659 913 C1	RING, seal (3)	41	709 777 C1	DISC, friction (7)
14	709 632 C1	RING, seal (2)	42	716 719 C1	PLATE, drive (6)
15	709 631 C1	SEAL, piston (Large) (2)	43	709 777 C1	DISC, friction (8)
16	366 694 C1	RING, piston housing retaining (2)	44	716 719 C1	PLATE, drive (7)
17	709 821 C1	HOUSING, 2nd and 3rd speed piston		28 265 R1	PIN, coil spring (For retaining gear w/hub, 1st, 2nd and 3rd speed) (3)
18	1 212 814 C1	RING, retaining			
19	659 726 C1	RING, sealing			
20	659 720 C1	"O" RING, 3rd speed piston (Large)			
21	709 822 C1	PISTON, clutch (3rd speed)			
22	659 907 C1	BEARING, thrust race (10)			
23	374 011 R91	BEARING, thrust (5)			
24	709 619 C1 OR	GEAR w/HUB, 3rd speed			
24	709 793 C1	GEAR w/HUB, 3rd speed			
25	610 766 C1	BEARING ASSEMBLY, 2nd and 3rd speed gear (2)			
26	709 630 C1	SPACER, bearing			

(*) - Not part of "Output Shaft Assembly".

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION COUNTERSHAFT



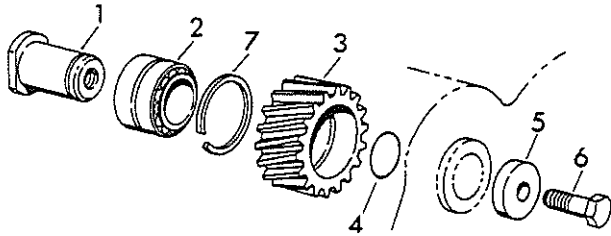
CE-122530

1	709 577 C1	COUNTERSHAFT	5	376 463 C1	CUP, countershaft front and rear bearing (2)
2	324 051 R1	RETAINER, gear (3)	6	709 576 C1	GEAR, second speed drive
3	709 575 C1	GEAR, third speed drive	7	709 579 C1	GEAR, first speed drive
4	631 170 C91	CONE, countershaft front and rear bearing (2)			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION REVERSE IDLER SHAFT



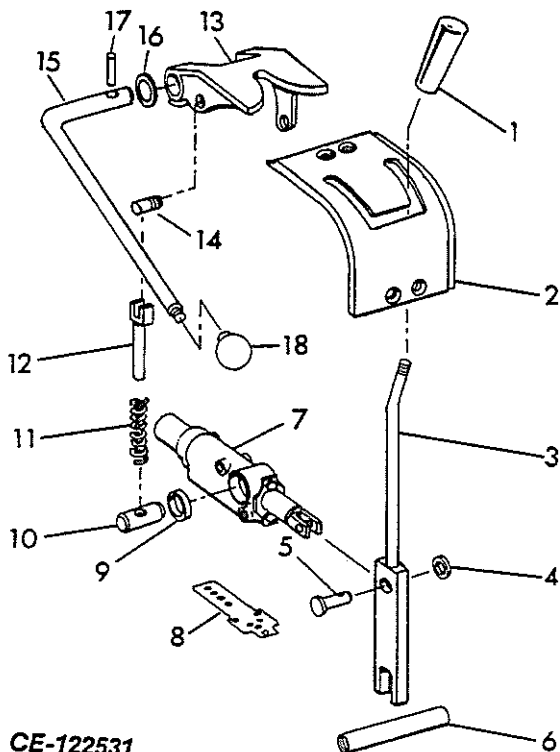
CE-122529

1	705 075 C1	SHAFT, reverse idler
2	627 094 C91	BEARING, reverse gear
3	705 033 C1	GEAR, reverse idler
4	707 253 R1	RING, sealing
5	659 919 C1	RETAINER, reverse idler shaft
6	27 432 R1	BOLT, patch
7	627 095 C1	SPACER, bearing

REF. NO.	PART NUMBER	DESCRIPTION
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1	347 768 R1	HANDLE, control lever
2	709 291 C1	GATE, transmission control
	25 767 R1	BOLT, 1/2" (2)
	24 840 R1	BOLT, 1" (2)
	120 382	WASHER (4)
3	733 264 C1	LEVER, pilot control hand
4	52 917 R1	WASHER, rod end pin
5	27 128 H	PIN, rod end
	103 384	PIN, cotter
6	617 112 C1	PIN, pilot control lever pivot
	24 839 R1	BOLT
	115 093	WASHER
7		VALVE ASSEMBLY, pilot control (Refer to "PILOT CONTROL VALVE")
8	666 154 C1	GASKET, pilot valve manifold
9	617 068 C1	BUSHING, safety lock pivot
10	327 910 R2	PIN, safety lock pivot
11	331 953 R2	SPRING, safety lock
12	327 912 R4	GUIDE, safety lock spring
13	713 259 C91	LOCK w/PIN, 616 270 C1, start switch safety
	223 155	BOLT
	25 933 R1	NUT
	116 121	WASHER
14	616 270 C1	PIN, safety lock
15	733 263 C1	LEVER, safety lock
16	713 274 C1	WASHER, lever spring (2)
17	364 436 R1	PIN, spring
18	307 839 R1	KNOB, safety lock lever
	327 273 R91	STRAP, transmission hose (2)
	651 569 C1	CLAMP
	24 839 R1	BOLT
	25 534 R1	WASHER

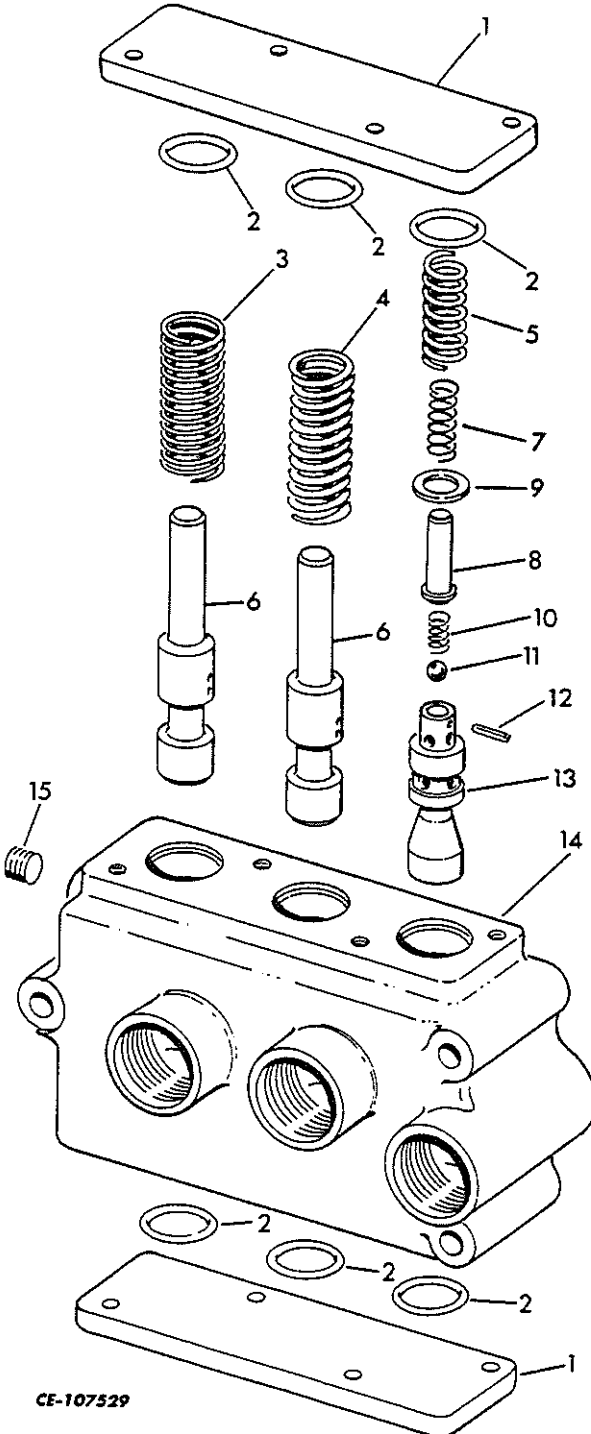
TRANSMISSION CONTROLS



CE-122531

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REGULATOR VALVE			706 715 C91	VALVE ASSEMBLY, regulator	
			24 845 R1	BOLT (3)	
			25 534 R1	WASHER (3)	
			(Consists of the following parts -		
1	662 296 C1	COVER, regulator valve (2)	25 955 R1	SCREW, hex-hd cap (8)	
	116 120	WASHER, lock (8)			
2	382 137 R1	"O" RING, plug sealing (6)			
3	706 658 C1	SPRING, lube valve			
4	706 722 C1	SPRING, converter valve			
5	666 019 C2	SPRING, main valve (Outer) (2)			
6	\$	PISTON, regulator valve (2)			
7	666 018 C2	SPRING, regulator valve (Inner)			
8	662 290 C1	PIN, spool spring guide			
9	662 294 C1	SHIM, regulator valve (x) (Maximum 3)			
10	662 291 C2	SPRING, regulator			
11	17 010 R1	BALL, main spool (Replaces 16 010 R1)			
12	17 067 R1	PIN, spring			
13	\$	SPOOL			
14	\$	BODY			
15	444 692	PLUG, socket pipe			
	372 821 R1	"O" RING, 1-1/16" ID (2) (*)			
	252 707 R1	"O" RING, 3/4" ID (2) (*)			

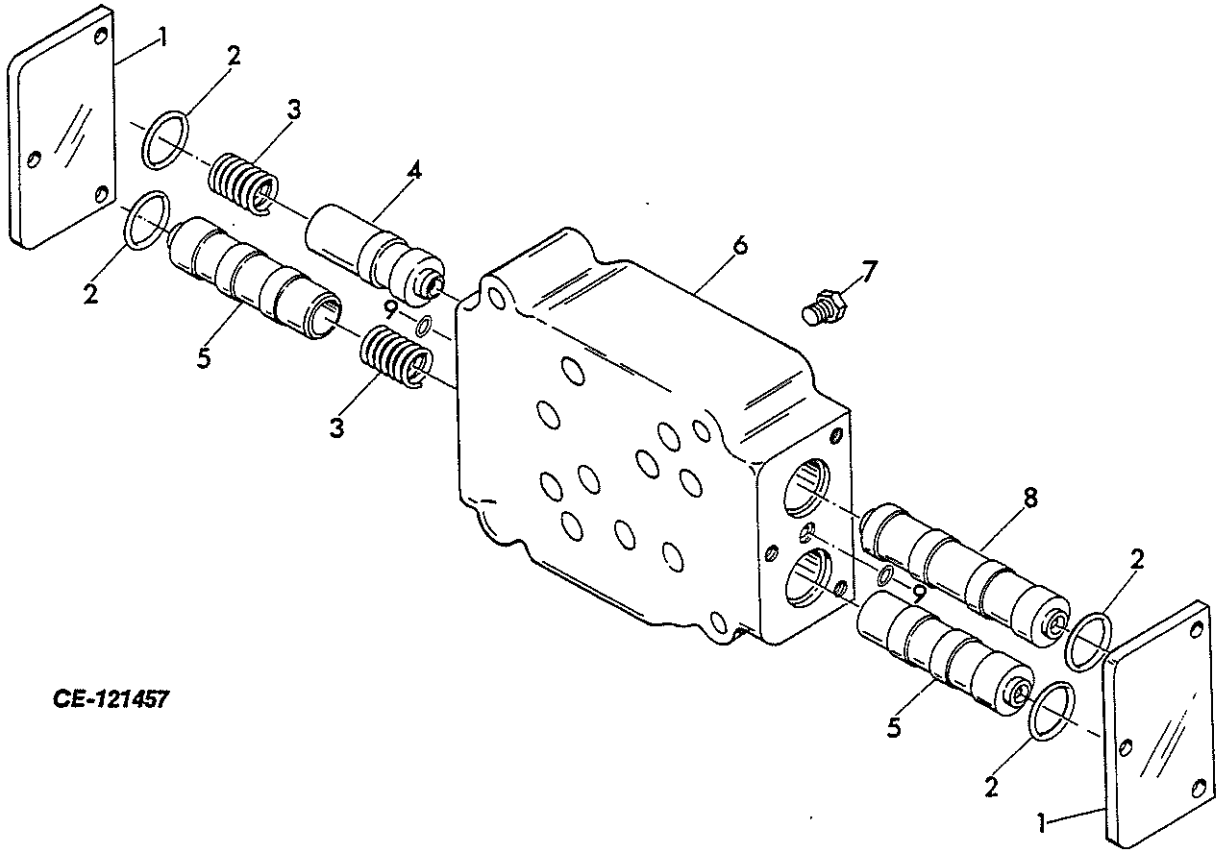


(*) - Not part of "Valve Assembly".

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RANGE SELECTOR VALVE



CE-121457

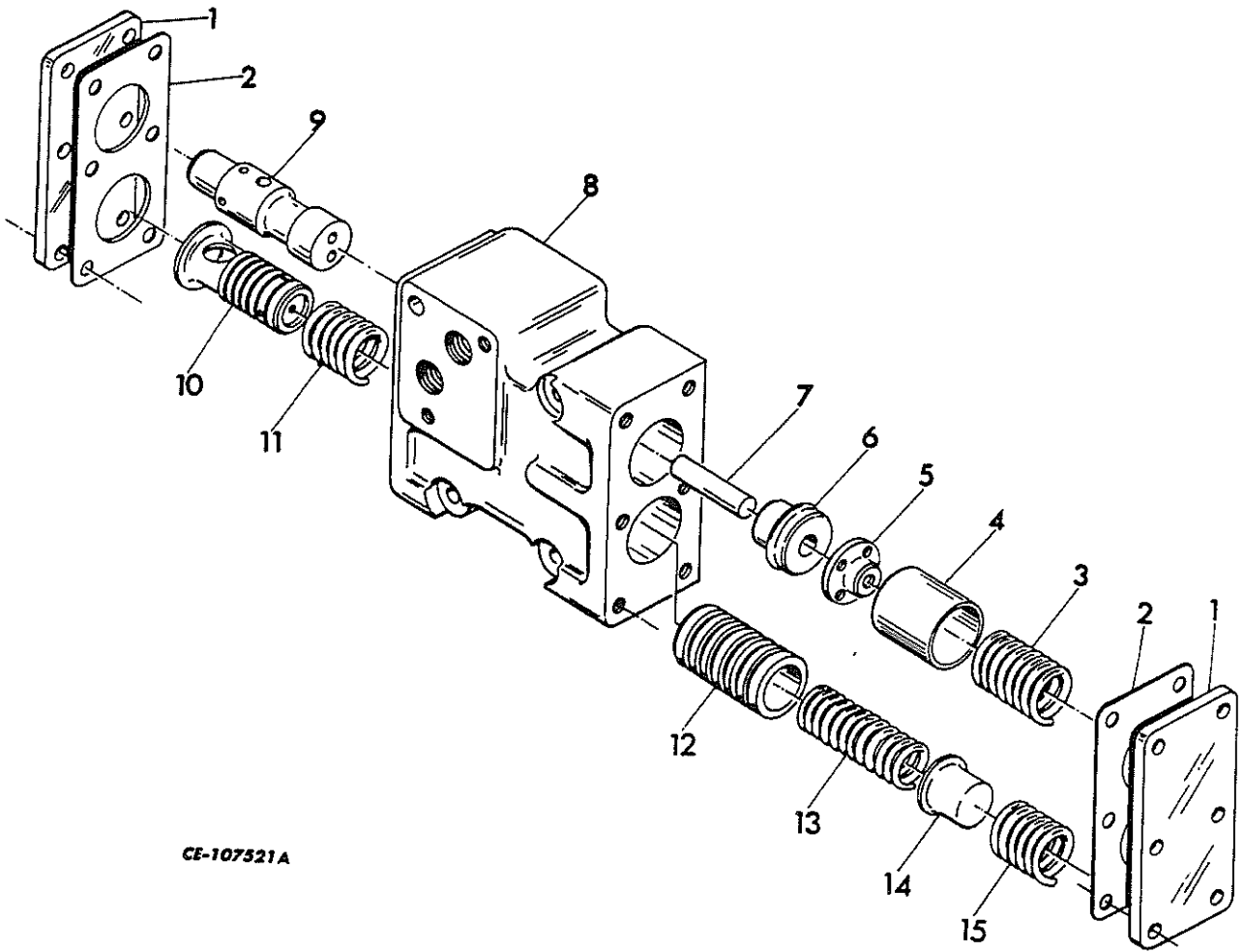
	662 246 C91	VALVE ASSEMBLY, range selector	5	\$	SPOOL, clutch selector (2)
	25 501 R1	BOLT (3)	6	\$	BODY, valve
	25 534 R1	WASHER (3)	7	444 613	PLUG, pipe (Press pick-up ports) (10)
		(Consists of the following parts -			
1	662 241 C1	PLATE, end (2)	8	\$	SPOOL, range selector
	25 228 R1	SCREW, hex-hd cap (6)	9	252 738 R1	RING, sealing (2)
	116 120	WASHER, lock (6)		252 707 R1	RING, sealing (10) (*)
2	372 821 R1	RING, valve sealing (4)			
3	662 245 C1	SPRING, range selector (2)			
4	\$	SPOOL, range selector			

(*) - Not part of "Valve Assembly".

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MODULATING VALVE (RATE OF RISE)



CE-107521A

	657 923 C93	VALVE ASSEMBLY, modulating	8	\$	BODY
	275 804 R1	BOLT			
	25 501 R1	BOLT (3)	9	\$	SPOOL, sequence
	25 534 R1	WASHER (4)			
		(Consists of the following parts -	10	\$	SPOOL, reducing
1	657 950 C1	COVER, valve (2)	11		654 330 C1 SPRING, reducing
	24 840 R1	BOLT (12)			
	115 093	WASHER, lock (12)	12	\$	PISTON, modulating
2	654 333 C1	GASKET, end cover (2)	13		657 944 C2 SPRING, (Inner) piston
3	657 945 C1	SPRING, sequence valve	14		657 942 C1 RETAINER, piston spring
4	657 946 C1	TUBE, spacer	15		657 943 C2 SPRING, (Outer) piston
5	657 947 C1	DISC, sequence spool			444 661 PLUG, socket head (In valve body) (2)
6	657 948 C1	SPACER, sequence valve			657 951 C2 GASKET, valve mounting (*)
7	19 942 R1	PIN, dowel			

(*) - Not part of "Valve Assembly".

REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS

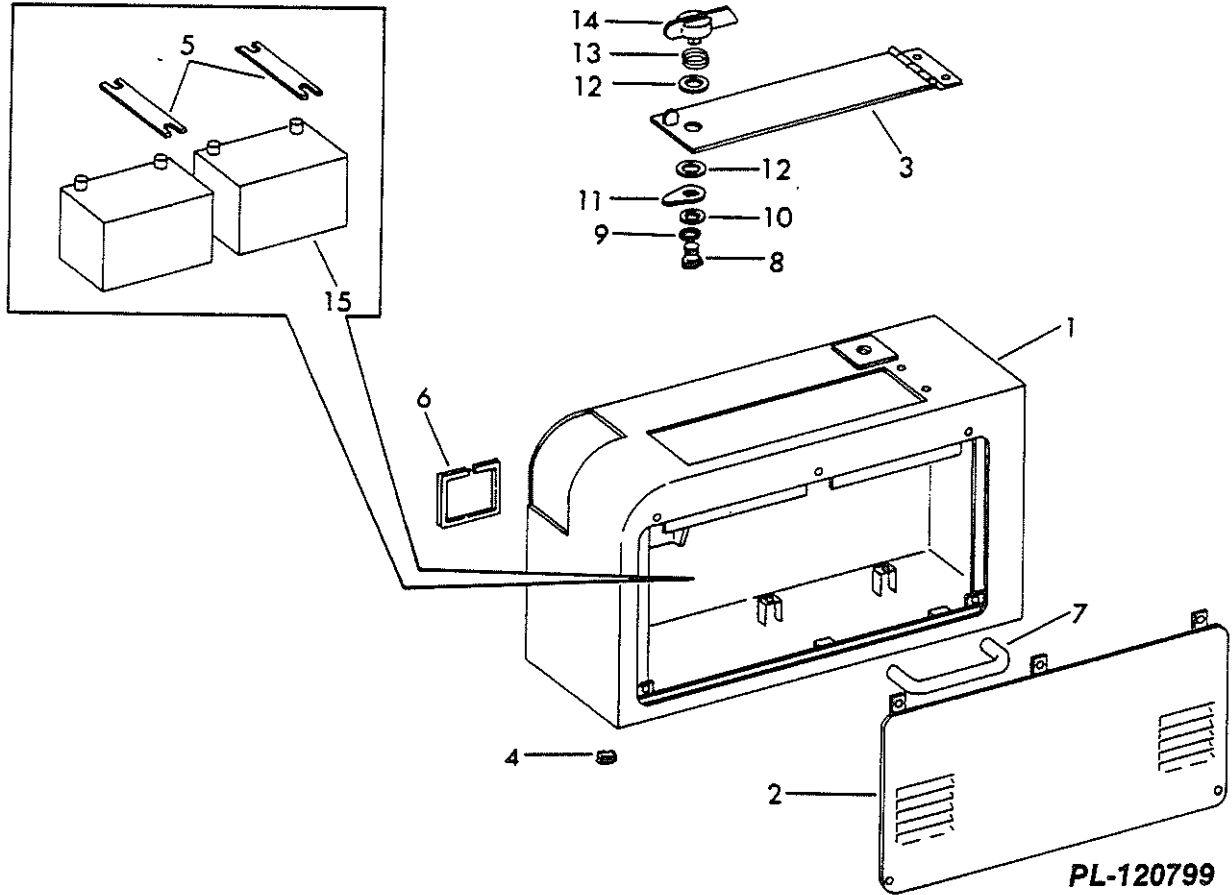
ELECTRICAL

8

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BATTERIES AND MOUNTING



1	706 466 C1 24 873 R1 25 537 R1	BOX, battery BOLT (4) WASHER (4)	9	115 093	WASHER, lock
2	713 059 C1 24 839 R1 25 534 R1 115 093	DOOR, battery box side BOLT (5) WASHER, flat (5) WASHER, lock (5)	10	25 534 R1	WASHER, flat
3	709 281 C1 24 839 R1 25 534 R1 115 093	DOOR, battery box access BOLT (2) WASHER, flat (2) WASHER, lock (2)	11	622 541 C1	PAWL, locking
4	432 496	PLUG, button (On bottom of battery box) (1-3/8")	12	92 779 R1	WASHER, handle spacer (2)
5	739 587 C1 28 125 R1 25 544 R1	BAR, battery hold down (2) BOLT (4) WASHER (4)	13	562 008 R1	SPRING, locking handle
6	668 290 C1	TRIM, moulding (16" long)	14	622 539 C1 24 839 R1 115 093 25 534 R1	HANDLE, access door locking BOLT WASHER, lock WASHER, hardened
7	621 629 C1	HANDLE, assist	15	IHMF 24	BATTERY, wet charged (Cold starting)
8	24 839 R1	BOLT, access handle		OR	
			15	IHMF 24 H	BATTERY, wet charged (Not cold starting)
				142 150	PLUG, 17/32" button (3)
				432 496	PLUG, 1-3/8" button

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING			15		CABLE, regulator mounting bolt to dash connector (Black) (Part of dash harness)
REFER TO FOLDOUT NO. 1 IN THE REAR OF THE BOOK			16		CABLE, "R" terminal on alternator to dummy cable (Black) (Part of dash harness)
<u>CABLES</u>			17		CABLE, start switch to dash connector (White) (Part of instrument harness)
1	648 742 C1	CABLE, master switch to ground bolt to rear of battery box (Black)	18		CABLE, "H" terminal on light switch to dash connector (Dark green) (Part of instrument harness)
	427 566	BOLT	19		CABLE, ether start switch to dash connector (Pink) (Part of instrument harness)
	120 378	NUT	20		CABLE, "R" terminal on light switch to dash connector (Dark blue) (Part of instrument harness)
	390 307 C1	WASHER	21		CABLE, ground screw on instrument panel to dash connector (Black) (Part of instrument harness)
2	736 159 C1	CABLE, master switch to negative on battery (Black)	22		CABLE, negative terminal on ammeter to engine oil pressure switch (Yellow) (Part of instrument harness)
3	736 158 C1	CABLE, "B" terminal on solenoid to positive on battery (Red)	23		CABLE, positive terminal on ammeter to dash connector (Red) (Part of instrument harness)
4		CABLE, "B" terminal on solenoid to dash connector (Red) (Part of dash harness)	24		CABLE, negative terminal on ammeter to dash connector (Brown) (Part of instrument harness)
5		CABLE, "B" terminal on solenoid to magnetic switch (Orange) (Part of dash harness)	28		CABLE, "H" terminal on light switch to instrument panel lamps (Gray) (Refer to lamp harness)
6		CABLE, "S" terminal on solenoid to magnetic switch (White) (Part of dash harness)	29	650 639 C1	CABLE, positive terminal on ammeter to start switch (Black)
7		CABLE, dash connector to safety switch connector (White) (Part of dash harness)	30	709 064 C1	CABLE, LH rear lamp to LH rear lamp connector (W/o ROPS canopy) (Black)
8		CABLE, "F" terminal on alternator to "F" terminal on regulator (Light green) (Part of dash harness)	31	709 063 C1	CABLE, LH rear lamp to LH rear lamp connector (W/ROPS canopy) (Black) (Part of ATTACHMENT, 706 274 C91 and 715 510 C91)
9		CABLE, mounting bolt of regulator to alternator "G" terminal connector (Black) (Part of dash harness)	32		CABLE, safety switch connector to safety start switch (White) (Part of safety switch harness)
10		CABLE, "B" terminal on alternator to dash connector (Brown) (Part of dash harness)			
11		CABLE, No. 2 terminal on regulator to engine oil pressure switch (Light blue) (Part of dash harness)			
13		CABLE, dash connector to front lamps connector (Dark green) (Part of dash harness)			
14		CABLE, dash connector to safety switch connector (Dark blue) (Part of dash harness)			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued			49	709 155 C1	CABLE, horn switch to horn connector (Black) (Part of ATTACHMENT, 736 185 C91)
<u>CABLES – Continued</u>			50	739 763 C1	CABLE, horn connector to horn positive terminal (Black) (Part of ATTACHMENT, 736 185 C91)
33		CABLE, safety switch connector to safety start switch (White) (Part of safety switch harness)	51		CABLE, magnetic switch to regulator mounting bolt (Black) (Part of dash harness)
35		CABLE, safety switch connector to rear lamp connector (Dark blue) (Part of safety switch harness)	52		CABLE, safety start switch connector to magnetic switch (White) (Part of dash harness)
36	709 268 C1	CABLE, hourmeter connector negative terminal to instrument panel ground screw (Black)	53		CABLE, No. 3 terminal on regulator to magnetic switch (Orange) (Part of dash harness)
37	624 666 C1	CABLE, front lamp connector to LH front lamp (Black) (Part of ATTACHMENT, 715 510 C91)	54	622 999 C1	CABLE, bottom hole on LH ROPS rear post to hole on battery box (Part of ATTACHMENT, 706 274 C91 and 715 510 C91)
37	624 647 C1	CABLE, front lamp connector to LH front lamp (Black) (Part of ATTACHMENT, 706 274 C91)	55	650 894 C1	CABLE, "G" terminal on alternator to connector (Black) (Preassembled on alternator)
38	628 027 C1	CABLE, LH front lamp to RH front lamp (Black) (Part of ATTACHMENT, 715 510 C91)	<u>CLIPS, CLAMPS AND GROMMETS</u>		
38	663 113 C1	CABLE, LH front lamp to RH front lamp (Black) (Part of ATTACHMENT, 706 274 C91)	76	363 444 R1	CLIP, back of alternator pivot mounting bolt
39		CABLE, rear lamp connector to LH rear lamp connector (Dark blue) (Part of safety switch harness)	77	384 554 R1	CLIP, on LH outer upper bolt of crankcase front cover
41	621 813 C91	CABLE, fuse housing to "B" terminal on light switch (Black)	78	363 444 R1	CLIP, on forward two crankcase bosses – LH side (2)
42	621 813 C1	CABLE, fuse housing to negative terminal on ammeter (Black)		24 838 R1 115 093	BOLT WASHER
43		CABLE, ether injector to dash connector (Pink) (Part of dash harness)	79	622 963 C1	CLIP, on flywheel housing inspection cover top two bolts (2)
44		CABLE, ether injector to ether injector mounting bolt (Black)	80	363 660 R1	CLIP, on bottom of dash LH side
45	266 098 R91	CABLE, ether start switch to start switch (Black)		24 839 R1 25 522 R1 115 093	BOLT NUT WASHER
47	709 267 C1	CABLE, hourmeter connector positive terminal to engine oil pressure switch (Red)	81		CLIP, welded (Dash RH top)
48	650 639 C1	CABLE, ether switch to horn switch (Black) (Also part of ATTACHMENT, 736 185 C91)	82	622 963 C1	CLIP, on top LH side of torque converter rear housing
			83	622 963 C1	CLIP, on lower two inspection cover mounting bolts (2)
			84		CLIP, welded (On dash LH center) (2)

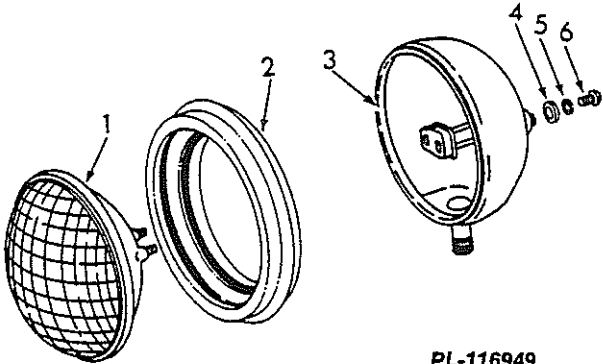
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued				299 609 C1	CLIP (On bottom hole on ROPS rear post) (Part of ATTACHMENT, 715 510 C91 and 706 274 C91)
CLIPS, CLAMPS AND GROMMETS — Continued				211 216 R1	BOLT
85	622 963 C1	CLIP, on two tapped blocks on LH side of front frame (2)		25 526 R1	NUT
				25 645 R1	WASHER
86	267 787 R91	CLIP, on front mounting bolt of LH platform support		276 956 R91	CLIP (On lower inside mounting hole on front lamp guards) (Part of ATTACHMENT, 706 274 C91)
87	363 444 R1	CLIP, on tapped block on LH side of front frame			
	24 838 R1	BOLT			
	115 093	WASHER			
					MAIN COMPONENTS
88		CLIP, welded (Inside battery box) (4)	A		LIGHT, LH and RH front (Refer to "HEADLIGHT AND REAR LIGHT") (2)
89	366 460 R1	CLIP, on fan shroud LH top and bottom fan guard mounting bolts (2)	B		ALTERNATOR ASSEMBLY (Refer to "ALTERNATOR")
90	263 717 R91	CLIP, on lamp bracket lower mounting bolt (Part of ATTACHMENT, 715 510 C91) (2)	C		REGULATOR ASSEMBLY, voltage (Refer to "VOLTAGE REGULATOR")
91	384 558 R1	CLIP, on bottom hole of front lamp guard mounting angle (Part of ATTACHMENT, 715 510 C91) (2)	D		MOTOR ASSEMBLY, cranking (Refer to "CRANKING MOTOR")
			E	706 124 C2	SWITCH, magnetic
				25 222 R1	SCREW (2)
				115 109	WASHER, lock (2)
92	63 323 D	GROMMET, lower RH corner of battery box		120 214	WASHER, 5/16" lock (2)
				120 376	NUT, 5/16" (2)
				120 217	WASHER, No. 10 lock (2)
93	176 027 H1	GROMMET, on dash near center		120 614	NUT, No. 10 (2)
95	617 259 C1	GROMMET, on top rear of battery box cover (Part of ATTACHMENT, 706 274 C91 and 715 510 C91)	F		INJECTOR, electric ether (Refer to "BRACKET AND NOZZLES")
96	52 062 D	GROMMET, lower RH corner of battery box	G	739 761 C1	HORN, electric warning (Part of ATTACHMENT, 736 185 C91)
				23 086 R1	BOLT (2)
				390 305 C1	NUT (2)
97	338 064 R1	GROMMET, on lamp guards LH and RH side of radiator guard (Part of ATTACHMENT, 715 510 C91) (2)		21 333 R1	WASHER (2)
			H		SWITCH, engine oil pressure (Refer to "INSTRUMENTS AND INSTRUMENT PANEL")
	299 609 C1	CLIP (On RH rear hole on top of battery box) (Part of ATTACHMENT, 715 510 C91 and 706 274 C91)	J		HOURMETER (Refer to "INSTRUMENTS AND INSTRUMENT PANEL")
	24 859 R1	BOLT			
	25 526 R1	NUT	K		AMMETER (Refer to "INSTRUMENTS AND INSTRUMENT PANEL")
	116 121	WASHER			
	299 609 C1	CLIP (On bottom of rear lamp bracket) (Part of ATTACHMENT, 715 510 C91 and 706 274 C91)	L		SWITCH, light (Refer to "LIGHTING SWITCH")

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued			709 269 C1		HARNESS, safety start switch (Consists of cables 32, 33 and 35)
<u>MAIN COMPONENTS – Continued</u>			<u>MISCELLANEOUS</u>		
M		SWITCH, starting (Refer to "STARTING AND ETHER STARTING SWITCH")	706 412 C91		ATTACHMENT, electric rear light (For use w/ROPS w/rear screen) (See NOTE 1) (Consists of -
N		SWITCH, ether start (Refer to "STARTING AND ETHER STARTING SWITCH")			1 LAMP 668 292 C91 1 NUT 21 330.R1 1 WASHER 102 384)
P		SWITCH, horn (Part of ATTACHMENT, 736 185 C91) (Refer to "STARTING AND ETHER STARTING SWITCH")	706 274 C91		ATTACHMENT, electric light (For use on machines equipped w/ROPS, sweeps) (See NOTE 1) (Consists of -
R	621 771 C91	SWITCH, neutral safety starting			1 BOLT 21 176 R1 1 BOLT 21 329 R1
S		BATTERIES (Refer to "BATTERIES AND MOUNTING")			1 BOLT 24 859 R1 4 BOLT 25 007 R1 2 BOLT 186 277
T		SWITCH, master (Refer to "MASTER SWITCH")			2 BOLT 211 216 R1 1 BOLT 236 485 R1 1 BRACKET 709 314 C1
U	23 872 R1	LAMP, instrument gauge (5)			1 CABLE 622 999 C1 1 CABLE 624 647 C1
V		LIGHT, LH rear (Refer to "HEADLIGHT AND REAR LIGHT")			1 CABLE 663 113 C1 1 CABLE 709 063 C1 2 CLIP 276 956 R91 3 CLIP 299 609 C1 1 GUARD 663 061 C1 2 GROMMET 617 259 C1 3 LAMP 625 657 C91
W	376 852 R91 432 664	HOUSING, fuse FUZE			2 NUT 21 330 R1 6 NUT 25 526 R1 2 NUT 102 635 1 PAD 668 460 C1 3 SWIVEL 303 706 R1 3 WASHER 25 645 R1 4 WASHER 25 846 R1 2 WASHER 111 328 1 WASHER 116 121 4 WASHER 120 383 4 WASHER 120 384 3 WASHER 138 530 1 WASHER 180 447)
<u>HARNESSES</u>					
	709 270 C1	HARNESS, dash (Consists of cables 4 thru 16, 43, 44, 51, 52 and 53) For mounting harness to alternator			
	121 744	WASHER, No. 12 lock			
	121 743	NUT, No. 12			
	120 217	WASHER, No. 10 lock			
	120 614	NUT, No. 10 For mounting harness to cranking motor			
	120 382 25 522 R1	WASHER, 3/8" lock NUT, 3/8"			
	120 217 120 614	WASHER, No. 10 lock NUT, No. 10			
	621 820 C1	HARNESS, instrument panel (Consists of cables 17 thru 24) For mounting instrument panel to ground cable			
	436 734	SCREW			
	178 378	WASHER, int. lock (2)			
	120 217	WASHER, lock			
	120 361	NUT (2)			
	715 631 C1	HARNESS, lamp (Consists of cable 28)			

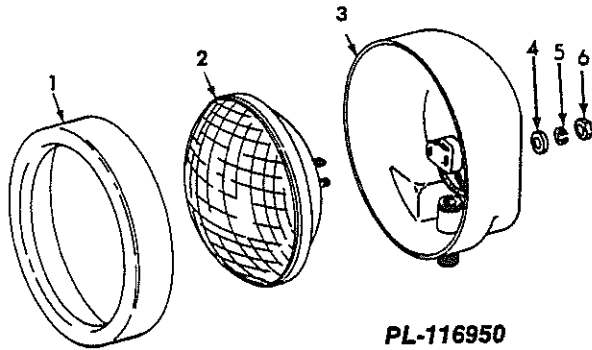
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued					
<u>MISCELLANEOUS – Continued</u>					
715 510 C91		ATTACHMENT, electric lighting (For use w/ROPS canopy) (See NOTE 1) (Consists of -			
	2	ANGLE 715 507 C1			
	1	BOLT 21 176			
	1	BOLT 21 329 R1			
	1	BOLT 24 859			
	2	BOLT 211 216			
	3	BOLT 236 485			
	2	BOLT 427 566			
	2	BOLT 454 998			
	4	BOLT 455 000			
	1	BRACKET 709 314 C1			
	1	CABLE 622 999 C1			
	1	CABLE 624 666 C1			
	1	CABLE 628 027 C1			
	1	CABLE 709 063 C1			
	3	CLAMP 299 609 C1			
	2	CLIP 384 558 R1			
	2	CLIP 263 717 R91			
	2	GROM- MET 338 064 R1			
	1	GROM- MET 617 259 C1			
	2	GUARD 668 262 C1			
	3	LAMP 625 657 C91			
	13	NUT 21 330 R1			
	1	NUT 25 526 R1			
	3	SWIVEL 303 706 R1			
	10	WASHER 25 645 R1			
	1	WASHER 116 121			
	12	WASHER 120 384			
	3	WASHER 138 530			
	5	WASHER 180 447)			
736 185 C91		ATTACHMENT, electric warning horn (See NOTE 1) (Consists of -			
	2	BOLT 23 086 R1			
	1	BRACKET 739 760 C1			
	1	CABLE 650 639 C1			
	1	CABLE 709 155 C1			
	1	CABLE 739 763 C1			
	1	HORN 739 761 C1			
	1	NUT 197 420 H2			
	2	NUT 21 333 R1			
	1	NAME- PLATE 740 353 C1			
	1	SWITCH 1 996 098			
	1	WASHER 138 566			
	2	WASHER 390 305 C1)			
109 941		CORK, No. 5 head lamp guard mounting hole (On radiator guard) (Not used on models equipped with headlights) (4)			
			106 623		CORK, No. 8 front lamp cable grommet hole (On radiator guard) (Not used on models equipped with headlights) (2)
			HEADLIGHT AND REAR LIGHT		
					
			A	668 292 C1	LIGHT ASSEMBLY, rear (Part of ATTACHMENT, 706 412 C91)
				21 330 R1	NUT
				120 384	WASHER, lock
			B	625 657 C91	LIGHT ASSEMBLY, front and rear (Part of ATTACHMENT, 706 274 C91 and 715 510 C91) (3) (Optional w/LIGHT, 621 827 C91) (3)
				21 330 R1	NUT (3)
				120 384	WASHER, lock (3) (Composed of -
			1	27 133 R1	UNIT, sealed (12 volt) (A)
			1	373 662 R91	UNIT, sealed (12 volt) (B)
			2	631 595 C1	RETAINER, sealed unit (A)
			2	625 679 C1	RETAINER, sealed unit (B)
			3	\$	BODY
			4	\$	WASHER, lock
			5	138 530	WASHER, lock (Not part of light assembly)
			6	\$	SCREW

ELECTRICAL

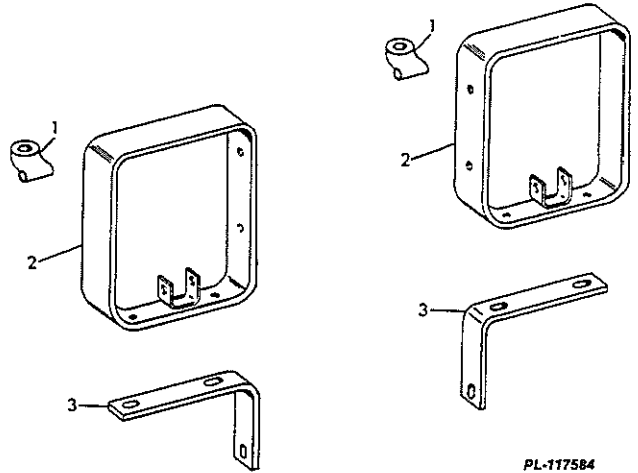
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HEADLIGHT AND REAR LIGHT



A	621 827 C91	LIGHT ASSEMBLY, front and rear (Part of ATTACHMENT, 706 274 C91 and 715 510 C91) (Optional w/LIGHT, 625 657 C91) (3)
	21 330 R1	NUT (3)
	120 384	WASHER, lock (3)
B	621 827 C91	LIGHT ASSEMBLY, RH rear auxiliary (Optional w/625 657 C91)
	21 330 R1	NUT
	120 384	WASHER, lock (Composed of -
1	676 078 R1	RETAINER, light
2	373 662 R91	UNIT, sealed (12 volt)
3	\$	BODY
4	\$	WASHER, lock
5	138 530	WASHER, lock (Not part of light assembly)
6	\$	NUT

FRONT LAMP GUARDS (Part of ATTACHMENT, 715 510 C91)



1	303 706 R1	SWIVEL, lamp (2)
	236 485 R1	BOLT (2)
	21 330 R1	NUT (2)
	180 447	WASHER, lock (2)
2	668 262 C1	GUARD, lamp (2)
	454 998	BOLT, 1" long (2)
	455 000	BOLT, 1-1/4" long (4)
	21 330 R1	NUT (4)
	25 645 R1	WASHER, flat (4)
	180 447	WASHER, int-th lock (2)
	120 384	WASHER, lock (6)
3	715 507 C1	ANGLE, front lamp guard mount- ing (2)
	427 566	BOLT (2)
	25 645 R1	WASHER, flat (2)
	120 384	WASHER, lock (2)

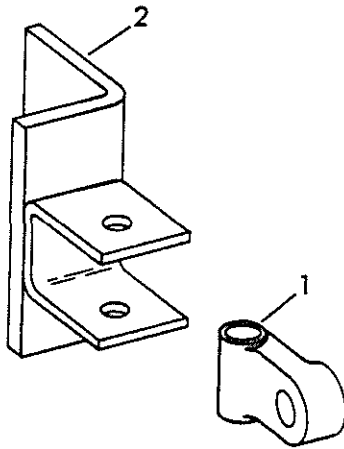
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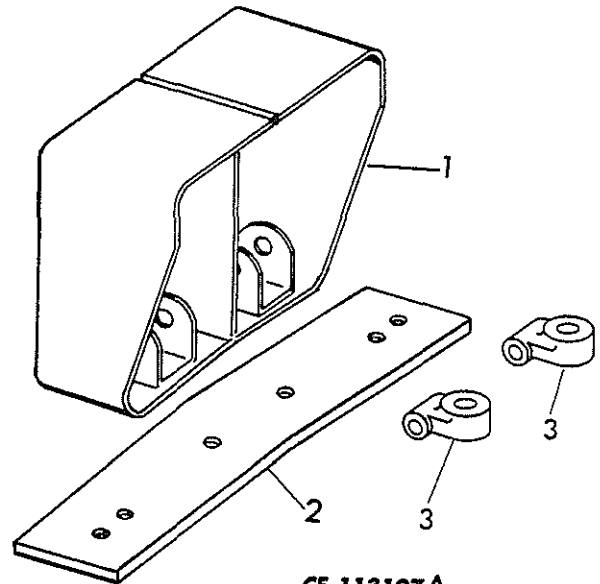
LH REAR LAMP MOUNTING
(Part of ATTACHMENT, 706 274 C91 and 715 510 C91)

FRONT LAMP GUARD
(Part of ATTACHMENT, 706 274 C91)



CE-122447

- | | | |
|---|------------|-----------------------------|
| 1 | 303 706 R1 | SWIVEL, lamp |
| | 236 485 R1 | BOLT |
| | 21 330 R1 | NUT |
| | 180 447 | WASHER, lock |
| 2 | 709 314 C1 | BRACKET, rear lamp mounting |
| | 21 329 R1 | BOLT (2) |
| | 21 330 R1 | NUT (2) |
| | 25 645 R1 | WASHER (4) |



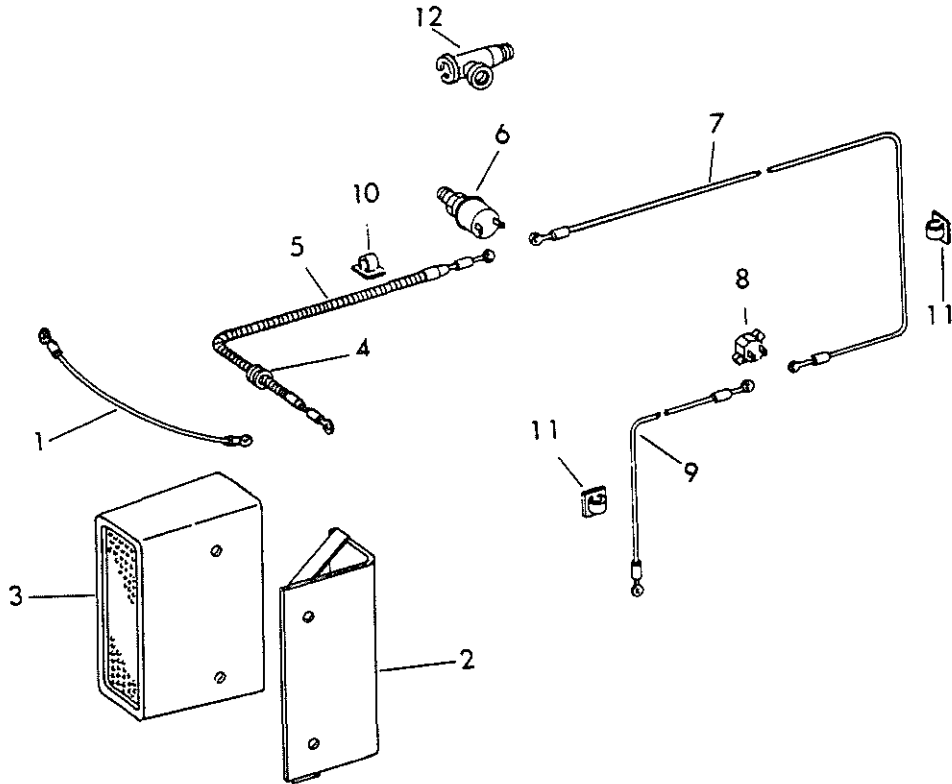
CE-113197 A

- | | | |
|---|------------|--------------------------|
| 1 | 663 061 C1 | GUARD, front lamp |
| | 25 007 R1 | BOLT (4) |
| | 120 383 | WASHER, lock (4) |
| | 25 846 R1 | WASHER, flat (4) |
| 2 | 668 460 C1 | PAD, lamp guard mounting |
| 3 | 303 706 R1 | SWIVEL, lamp (2) |
| | 186 277 | BOLT (2) |
| | 102 635 | NUT (2) |
| | 111 328 | WASHER, lock (2) |

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACK-UP ALARM



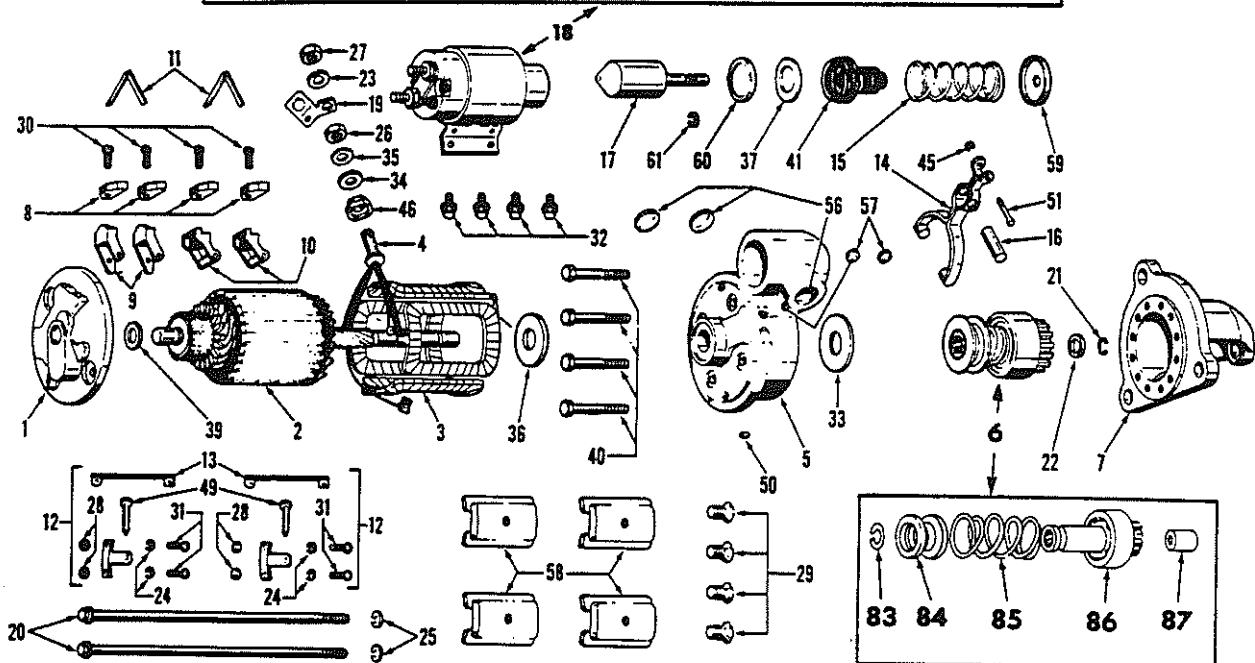
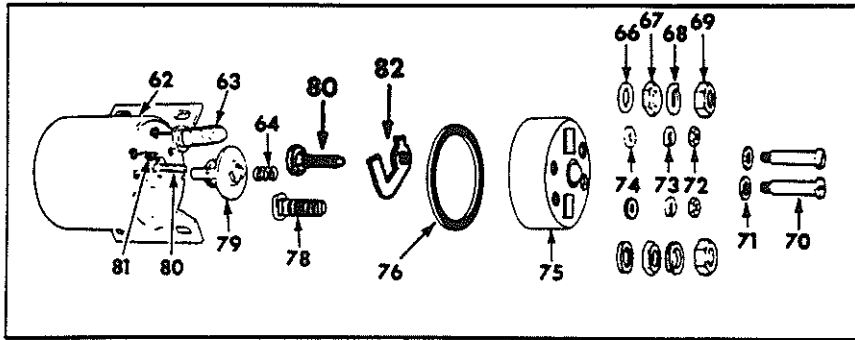
CE-122766

	737 157 C91	ATTACHMENT, back-up alarm (See NOTE 1) (Consists of -		6 740 986 C1	SWITCH, pressure
				7 663 187 C1	CABLE, pressure switch to circuit breaker
1	266 770 R91	CABLE, alarm to alarm mounting bolt		8 740 150 C1	BREAKER, circuit
2	740 293 C1	BRACKET, alarm mounting		110 495	BOLT (2)
	455 000	BOLT (2)		106 497	WASHER, lock (2)
	21 330 R1	NUT (2)		120 391	WASHER, flat (2)
	25 710 R1	WASHER, hardened (4)		110 633	NUT (2)
3	737 188 C1	ALARM, back-up		9 663 187 C1	CABLE, circuit breaker to power source
	OR				
3	736 131 C1	ALARM, back-up		10 663 185 C1	CLAMP (10)
	27 606 R1	BOLT (2)		11 663 189 C1	CLAMP (15)
	25 534 R1	WASHER, flat (2)		12 444 253	TEE, pressure switch
4	109 390	GROMMET (On battery box) (Used w/BRACKET, 740 293 C1)		663 188 C1	PACKAGE, terminals
5	663 186 C1	CABLE, alarm to pressure switch			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CRANKING MOTOR



CE-94872

1	1 113 690	MOTOR ASSEMBLY, cranking (12 volts) (Always give Cranking Motor Assembly Number when ordering parts)	5	1 942 241	HOUSING ASSEMBLY, lever (Composed of -
	140 483 H	BOLT (3)		1	BUSHING 1 933 999
	115 093	WASHER, lock (3) (Composed of -		2	PLUG 9 411 375
				2	PLUG 9 419 572
				1	PLUG 9 427 882
				1	WICK 1 947 350)
1	1 945 617	FRAME ASSEMBLY, commutator end	6	1 877 355	DRIVE ASSEMBLY, motor
2	1 967 045	ARMATURE	7	1 947 803	HOUSING w/PLUG, 9 427 822 and WICK, 1 916 439, drive
3	1 946 386	COIL w/STUD, 1 933 879, field (Four coils)	8	1 906 987	BRUSH (4)
4	1 933 879	STUD, terminal	9	1 940 477	HOLDER, brush ground (2)

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CRANKING MOTOR — Continued			37	1 942 259	WASHER, retainer spring
10	1 950 546	HOLDER, brush insulated (2)	39	1 914 842	WASHER, spacer, commutator end
11	1 945 620	SPRING, brush (2)	40	122 077	BOLT, drive housing attaching (4)
12	1 945 923	PACKAGE, brush support (2) (Consists of -	41	801 077	BOOT
	1 LEAD	1 930 694	45	1 938 376	RING, lever attaching pin snap
	2 NUT	120 361	46	1 931 783	BUSHING, insulating terminal stud
	1 PIN	1 938 058	49	1 938 058	PIN, brush holder (2)
	2 SCREW	445 639	50	809 593	PIN, dowel, drive housing
	2 WASHER	453 435)	51	1 942 253	PIN, lever attaching
13	1 930 694	LEAD, ground (2)	56	9 411 375	PLUG, expansion, lever housing (1-3/16" dia.) (2)
14	1 942 245	LEVER, shift	57	9 419 572	PLUG, expansion lever housing (1/2" dia.) (2)
15	1 948 521	SPRING, lever	58	1 934 478	SHOE, pole (4)
16	1 942 255	SHAFT, lever	59	1 948 526	RETAINER, spring (13/32" hole)
17	1 942 250	PLUNGER	60	1 942 256	RETAINER, spring (1-13/64" hole)
18	1 115 510	SWITCH ASSEMBLY, solenoid starting	61	9 415 235	RING, spring retainer snap
19	1 946 394	CONNECTOR, switch	62	\$	CASE and COIL
20	1 883 865	BOLT, thru (2)	63	1 956 427	STUD, motor terminal
21	1 928 022	RING, pinion stop retainer	64	1 853 342	SPRING, contact return
22	1 928 021	COLLAR, pinion stop	66	805 790	WASHER, insulating terminal (2)
23	9 421 425	WASHER, lock, terminal stud	67	1 904 419	NUT, 3/8" terminal (2)
24	453 435	WASHER, lock (4)	68	9 421 425	WASHER, 3/8" terminal lock (2)
25	9 421 424	WASHER, thru bolt lock (2)	69	134 566	NUT, 3/8" terminal (2)
26	805 258	NUT, terminal stud	70	1 943 225	SCREW, cover attaching (2)
27	134 566	NUT, terminal stud	71	1 923 935	WASHER, cover attaching screw (2)
28	120 361	NUT (4)	72	453 996	NUT, No. 8 hex terminal (2)
29	1 968 396	SCREW, pole shoe (4)	72	453 284	NUT, No. 10 NF (2)
30	1 959 514	SCREW, brush attaching (4)	73	1 946 143	WASHER, No. 8 terminal lock
31	445 639	SCREW (4)	73	453 435	WASHER, No. 10 lock
32	1 917 084	SCREW, switch attaching (4)	74	1 950 071	WASHER, insulating
33	821 453	WASHER, brake (Between lever housing and motor drive)	74	1 950 063	WASHER, insulating
34	1 950 029	WASHER, insulating terminal stud (2)	75	1 965 624	COVER
35	805 790	WASHER, terminal stud plain			
36	1 946 395	WASHER, space (Between lever housing and armature)			

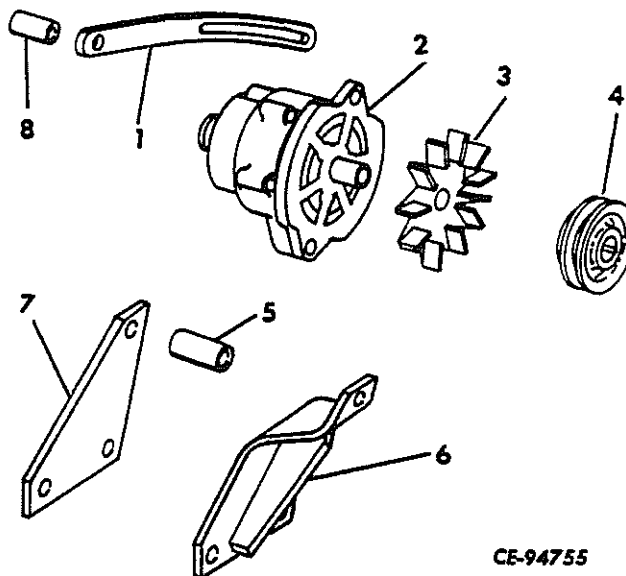
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
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CRANKING MOTOR – Continued

76	1 965 625	GASKET, cover
78	800 487	STUD, battery terminal
79	1 917 119	CONTACT and ROD
80	1 960 248	STUD, terminal switch
80	1 961 333	STUD, resistor or return terminal
81	1 958 278	CLIP, terminal
82	1 935 645	BLADE, contact
83	1 904 436	LOCKWIRE
84	\$	COLLAR, motor drive
85	801 198	SPRING, motor drive
86	\$	GEAR and SHAFT
87	1 873 796	BUSHING
	1 872 678	BUSHING, commutator end
	1 933 999	BUSHING, lever housing
	1 914 873	INSULATION, field coil
	134 566	NUT, connector attaching
	9 427 882	PLUG, commutator end pipe
	9 427 882	PLUG, drive end pipe
	9 427 882	PLUG, lever housing pipe (1/8" dia.)
	810 819	PLUG, commutator end expansion
	9 421 425	WASHER, connector attaching nut
	815 540	WASHER, No. 8 lock
	1 856 056	WASHER, No. 10 lock
	1 950 064	WASHER, terminal stud sealing (2)
	1 916 439	WICK, oil (2)
	1 947 350	WICK, lever housing oil

ALTERNATOR CONNECTIONS



CE-94755

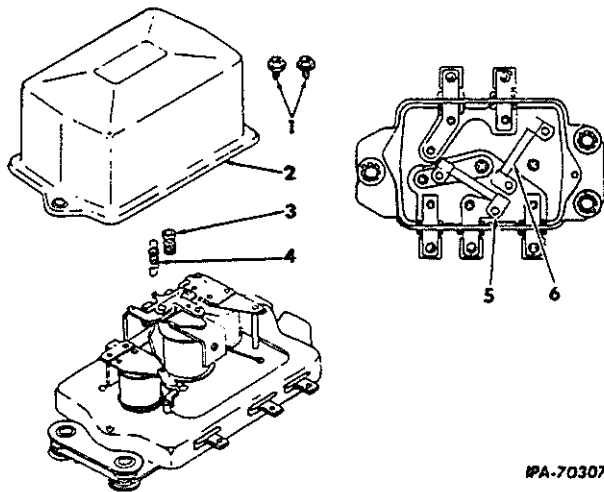
1	621 764 C1	BRACE, alternator
	26 031 R1	SCREW, 5/16" dia. hex-hd cap
	24 849 R1	SCREW, 7/16" dia. hex-hd cap
	116 120	WASHER, 5/16" lock
	115 314	WASHER, 7/16" lock
	280 185 R1	WASHER, flat
2		ALTERNATOR ASSEMBLY (Refer to "ALTERNATOR")
3	221 425 R1	FAN, alternator
4	740 850 C1	PULLEY, alternator
	120 377	NUT
	25 500 R1	SCREW, hex-hd cap
	115 093	WASHER, lock
5	621 769 C1	SPACER, alternator support
6	621 765 C1	BRACKET, alternator front
	277 732 R1	SCREW, hex-hd cap (2)
	25 522 R1	NUT (2)
	115 093	WASHER, lock (2)
7	621 768 C1	BRACKET, alternator rear
8	359 105 R1	SPACER, alternator

ELECTRICAL

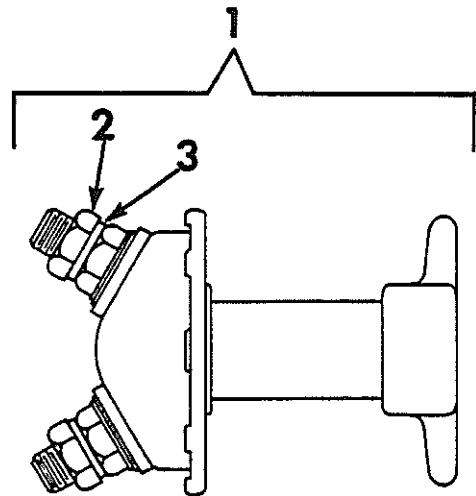
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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VOLTAGE REGULATOR

MASTER SWITCH



IPA-70307



CE-99944

1	119 513	REGULATOR w/PACKAGE, 1 962 629 and REGULATOR ASSEMBLY, 1 119 507, voltage (Note - Always give Cranking Motor Assembly Number when ordering parts)	1	728 154 C1	SWITCH ASSEMBLY, master
	120 375	NUT (2)		25 519 R1	NUT (2)
	120 423	WASHER, int-tooth lock	2	\$	NUT, terminal (2)
	120 380	WASHER, lock (2)		25 222 R1	BOLT (2)
				115 109	WASHER, lock (2)
	1 119 507	REGULATOR ASSEMBLY, voltage (Consists of Ref. Nos. 1 thru 6) (Furnished as part of REGULATOR, 1 110 513)	3	\$	WASHER, terminal nut lock (2)
1	1 943 386	SCREW, cover attaching (2)			
2	1 958 151	COVER, regulator			
3	1 958 148	SCREW, adjusting			
4	1 958 137	SPRING, adjusting screw			
5	1 941 431	RESISTOR			
6	1 960 347	RESISTOR			
	1 962 629	PACKAGE, shock bracket			
	9 421 423	WASHER, terminal screw lock			

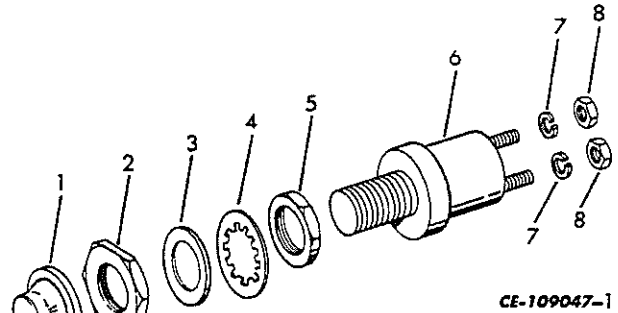
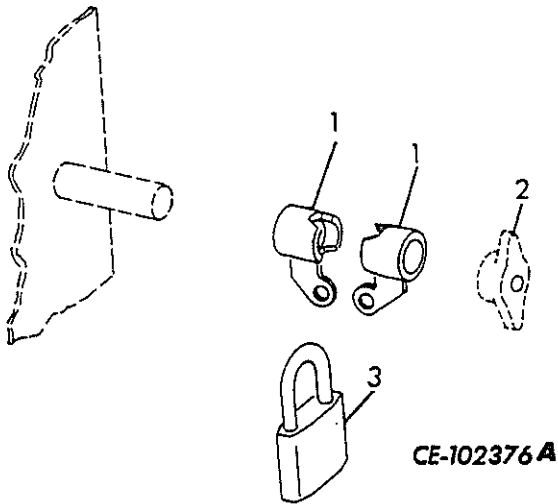
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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MASTER SWITCH LOCK AND PADLOCK WITH KEYS

STARTING AND OTHER STARTING SWITCH

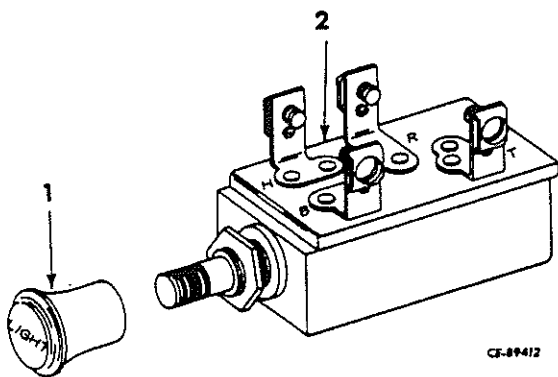


453 453 C1 SWITCH (Service parts not available)
 OR
 627 670 C1 SWITCH ASSEMBLY (Also part of ATTACHMENT, 736 185 C91) (Consists of the following parts -

1	650 937 C1	SLEEVE, lock (2)
2		KNOB, master switch (Reference only)
3	650 382 C91	PADLOCK w/KEYS

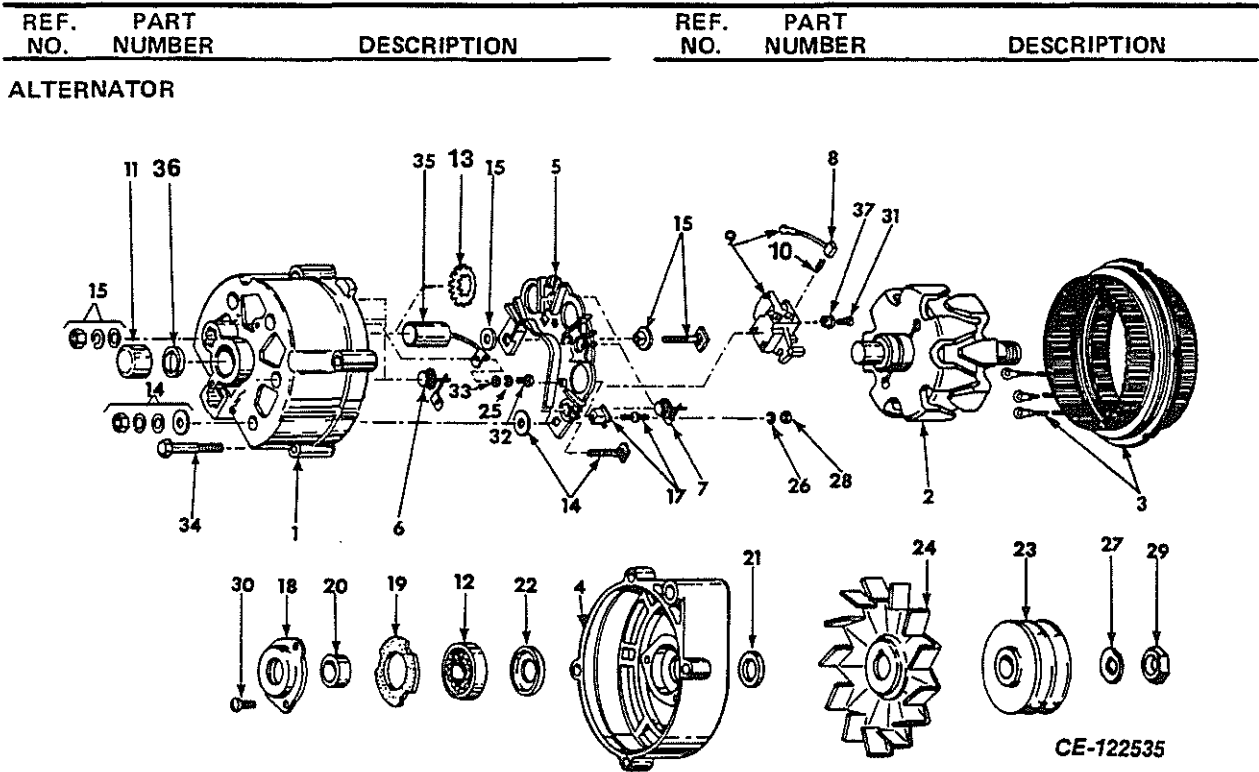
1	\$	CAP
2	1 968 171	NUT
3	1 913 828	WASHER
4	138 557	WASHER, internal tooth lock
5	1 914 379	NUT, hex
6	\$	BODY
7	453 435	WASHER, terminal lock (2)
8	453 433	NUT, terminal hex (2)

LIGHTING SWITCH



1	606 299 C91	KNOB, lighting switch
2	606 298 C91 131 718	SWITCH, lighting WASHER, lock

ELECTRICAL



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ALTERNATOR					
1	100 827	ALTERNATOR ASSEMBLY (12v - 42 AMP) (Always give Alternator Assembly Number when ordering parts)	6	1 852 928	DIODE, negative (3)
	24 847 R1	BOLT, 5" long	7	1 852 929	DIODE, positive (3)
	25 751 R1	BOLT, 1-1/4" long	8	\$	BRUSH
	17 044 R1	NUT (2)	9	1 964 682	BRUSH HOLDER and BRUSH ASSEMBLY
	25 708 R1	WASHER, 5/16"	10	1 964 117	SPRING, brush
	25 709 R1	WASHER, 3/8"	11	7 451 931	BEARING, slip ring end
		(Consists of -	12	908 019	BEARING, drive end
1	1 970 918	FRAME, slip ring end (Composed of -	13	1 960 750	SPRING, capacitor retaining
		1 BEARING 7 451 931	14	1 959 832	TERMINAL, package battery
		3 DIODE 1 852 928	15	1 959 833	TERMINAL, package ground
		1 RETAIN-ER 1 961 323	16	1 961 323	RETAINER, slip ring end
		1 SPRING 1 960 750)	17	1 959 834	PACKAGE, terminal
2	1 891 596	ROTOR ASSEMBLY	18	1 971 993	RETAINER, D.E. bearing
3	1 959 381	STATOR ASSEMBLY w/three CLIP	19	1 912 008	GASKET, retainer
4	1 970 595	FRAME, drive end	20	1 963 139	COLLAR, inside
5	1 959 828	HEAT SINK ASSEMBLY (Composed of -	21	1 959 991	COLLAR, outside
		3 DIODE 1 852 929	22	800 832	SLINGER, grease
		1 NUT 453 434			
		1 TERMINAL PACKAGE 1 959 834			
		1 WASHER 1 947 933)			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ALTERNATOR - Continued					
23		PULLEY (Refer to "ALTERNATOR AND CONNECTIONS")			
24		FAN (Refer to "ALTERNATOR AND CONNECTIONS")			
25	1 947 933	WASHER, lock			
26	1 947 933	WASHER, lock			
27	1 941 978	WASHER, D.E. shaft nut			
28	453 434	NUT, diode junction terminal			
29	1 915 172	NUT, D.E. shaft			
30	1 965 104	SCREW, ball bearing retainer			
31	1 957 501	SCREW, brush holder			
32	132 768	SCREW, heat sink			
33	815 540	WASHER, plain			
34	1 956 975	BOLT, thru			
35	1 959 455	CAPACITOR			
36	1 970 033	SEAL, slip ring end			
37	1 959 389	INSULATOR, capacitor terminal screw			
	1 966 617	SHIELD, slip ring end			

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**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

FRAME

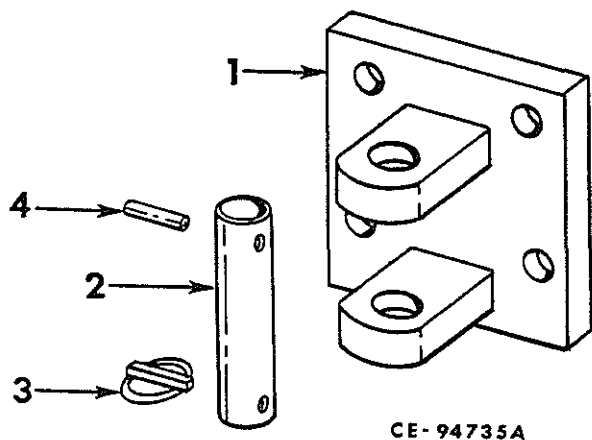
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Printed in United States of America.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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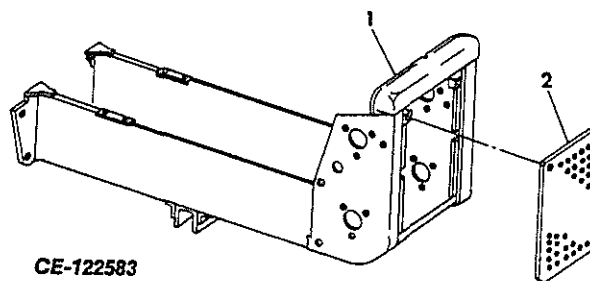
RIGID DRAWBAR



CE- 94735A

- | | | |
|---|---|---|
| A | 621 786 C91 | ATTACHMENT, rigid drawbar (For all models except backhoe and models equipped w/ripper) (See NOTE 1) |
| B | 622 618 C91 | ATTACHMENT, rigid drawbar (For backhoe and models equipped w/ripper) (See NOTE 1) (Consists of - |
| 1 | 621 018 C1
24 889 R1
25 515 R1
25 538 R1 | DRAWBAR
BOLT (4 for A)
BOLT (4 for B)
WASHER (4 for A) |
| 2 | 621 005 C1 | PIN, drawbar clevis |
| 3 | 621 006 C1 | PIN, quick attaching |
| 4 | 19 998 R1 | PIN, coiled spring |

FRONT FRAME



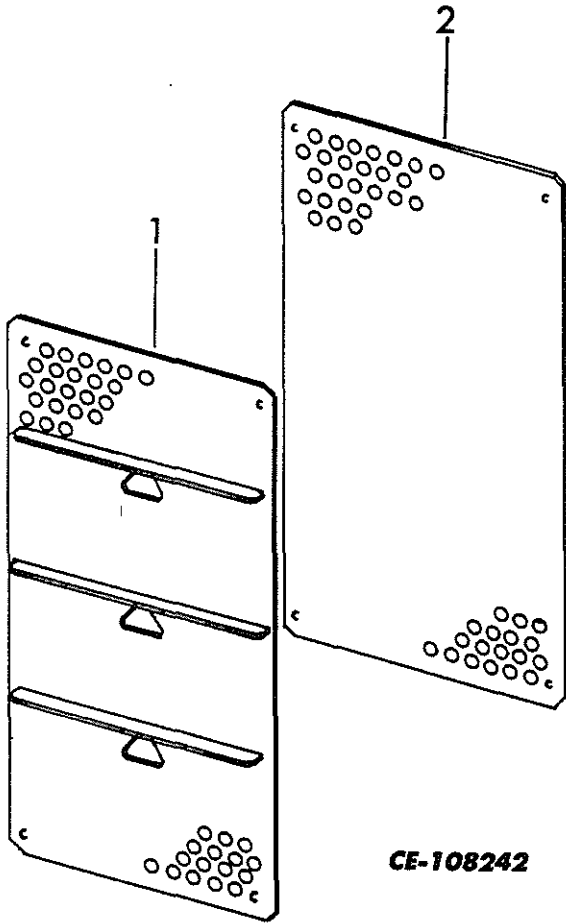
CE-122583

- | | | |
|---|--|---|
| 1 | | FRAME, front (Service frame will be available on special order only on clearance with engineering department)
BOLT (6) |
| 2 | 25 738 R1
621 519 C1
26 317 R1
26 318 R1
25 710 R1 | DOOR, radiator guard (For all models except backhoe)
BOLT, patch (4)
BOLT (4)
WASHER (4) |

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HEAVY DUTY RADIATOR DOOR

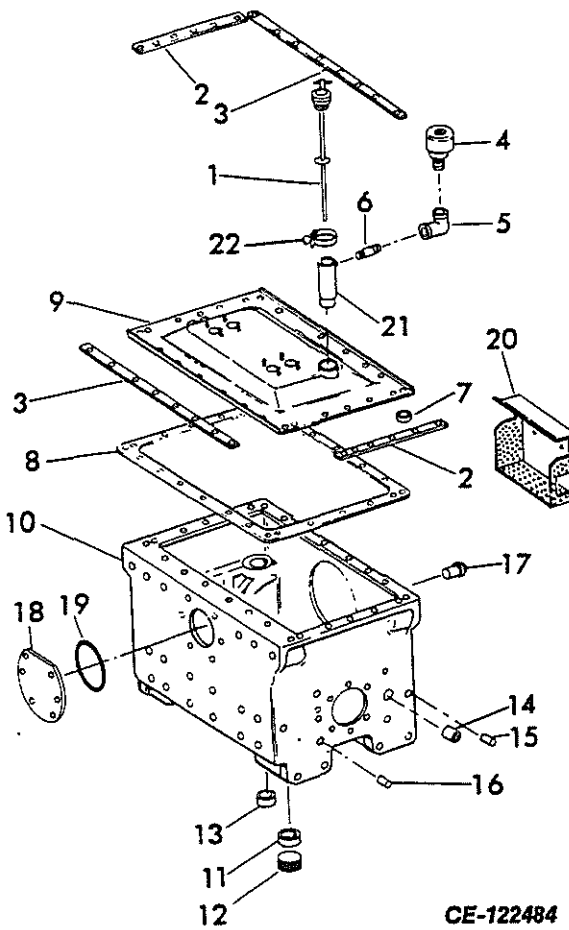


CE-108242

- 706 090 C91 ATTACHMENT, heavy duty radiator door (Part of FORESTRY PACKAGE, 632 753 C91) (See NOTE 1)
- 1 706 073 C91 DOOR w/PLATE, 706 075 C1, heavy duty radiator
26 318 R1 BOLT (4)
- 2 706 075 C1 PLATE, radiator door lap

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REAR MAIN FRAME			7	\$	SPACER (Required as part of GASKET, 717 260 C1) (26)
			8	717 260 C1	GASKET, rear main frame cover
			9	710 892 C1	COVER, rear main frame
				24 841 R1	BOLT (25)
				25 534 R1	WASHER (25)
			10	\$	FRAME ASSEMBLY, rear main (Composed of -
				4 BEARING	621 090 C1
				1 FRAME	\$
				8 CORK	104 942
				4 CORK	117 926
				8 DOWEL	621 546 C1
				4 DOWEL	621 547 C1
				2 INSERT	621 549 C1
				1 PLUG	271 647 R1
				4 PLUG	613 908 C1
				1 TUBE	652 817 C1)
			11	621 090 C91	BEARING, needle (4)
			12	613 908 C1	PLUG, NPTF (4)
			13	271 647 R1	PLUG, drain
			14	621 549 C1	INSERT, brake adjusting screw (2)
			15	621 547 C1	DOWEL, sprocket drive (4)
			16	621 546 C1	DOWEL, brake shoe (8)
			17	652 817 C1	TUBE, brake rod
			18	733 040 C2	COVER, rear P.T.O.
				26 957 R1	BOLT (6)
			19	259 190 R1	RING, sealing
			20	706 443 C1	BAFFLE, rear main frame sump tube
				24 854 R1	BOLT (2)
				25 536 R1	WASHER (2)
			21	628 071 C2	TUBE, rear main frame oil filler
			22	623 761 C1	CLAMP, rear main frame oil level gauge lock (Used w/GAUGE, 733 339 C1)
1	733 340 C1	GAUGE, rear main frame oil level (Not for use w/lock)			
1	733 339 C1	GAUGE, rear main frame oil level (For use w/lock)			
2	621 575 C1	STIFFENER, side, rear main frame cover (2)			
3	621 576 C1	STIFFENER, front and rear, rear main frame cover (2)			
4	662 250 C1	BREATHER, rear frame		104 942	CORK, No. 6 (8)
	OR			117 926	CORK, No. 12 (4)
4	666 134 C1	BREATHER, rear frame			
	OR				
4	666 156 C1	BREATHER, rear frame			
5	105 413	ELBOW, 90°, breather			
6	105 407	NIPPLE			



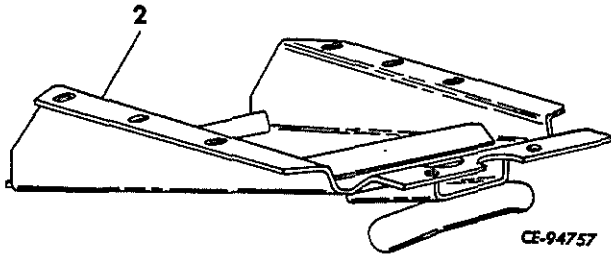
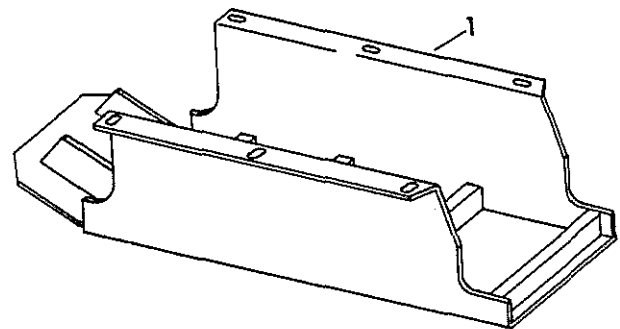
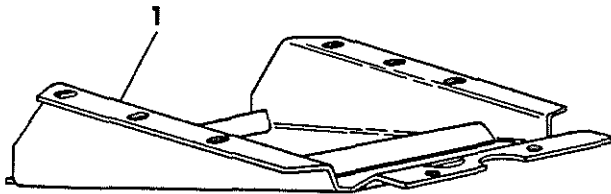
FRAME

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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CRANKCASE GUARDS

TRANSMISSION GUARD



CE-122532

ATTACHMENT, crankcase guard w/pull hook (See NOTE 3)
(Consists of -

- | | | |
|---|------------|---|
| 1 | 734 635 C1 | GUARD ASSEMBLY, transmission
(Used w/o swinging drawbar) |
| 1 | 734 636 C1 | GUARD ASSEMBLY, transmission
(Used w/swinging drawbar) |
| | 24 861 R1 | BOLT (6) |
| | 25 546 R1 | WASHER (6) |

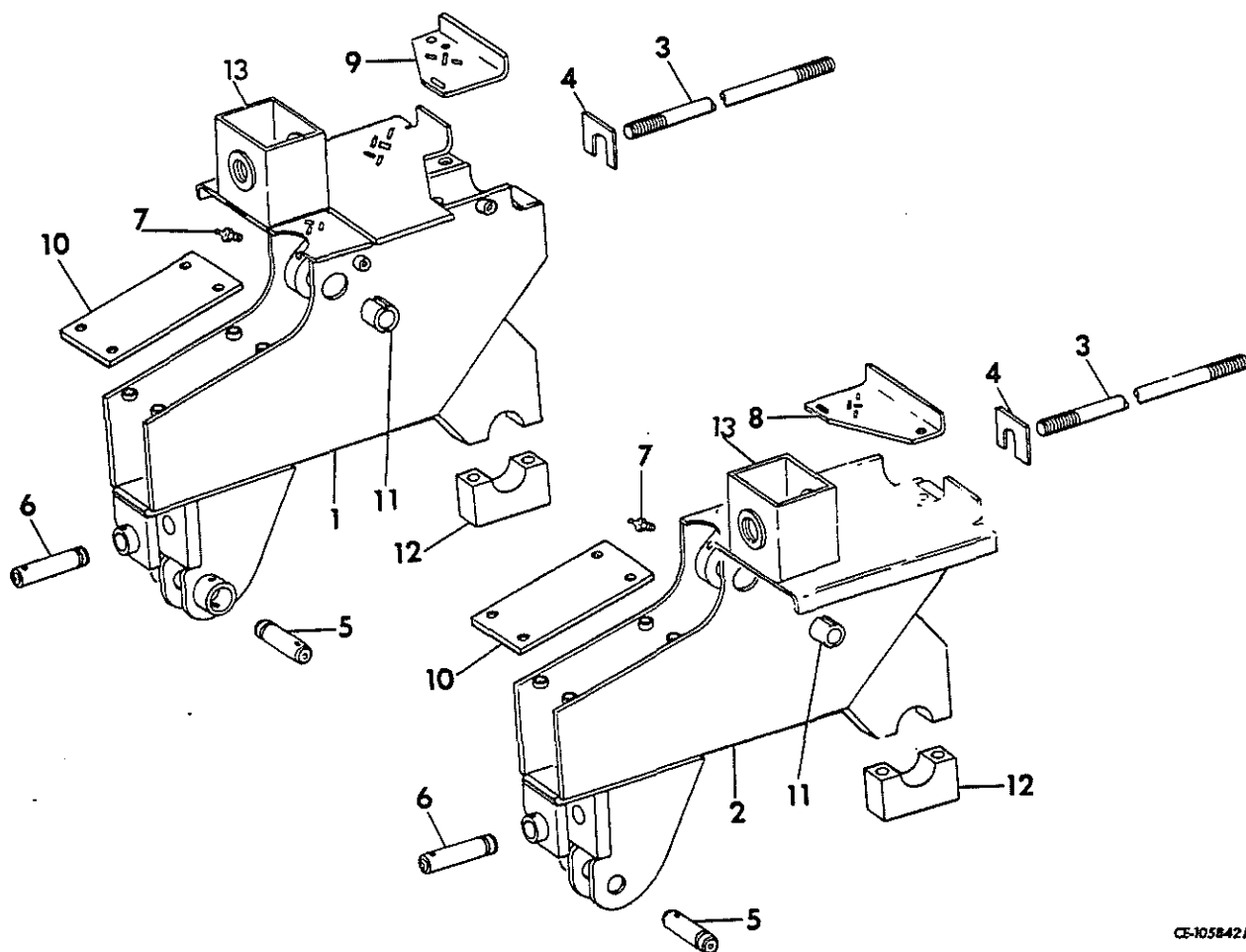
1 NOT USED IN THIS APPLICATION

2 621 670 C2 GUARD w/PULL HOOK, crankcase
 24 861 R1 BOLT (9)
 25 546 R1 WASHER, hardened (9)

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MOUNTING FRAME AND RELATED PARTS (For Model G7H Inside Arm Hydraulic Bullgrader)



CE-105842A

1	620 875 C95	FRAME w/BUSHING, 618 988 C1, CLAMP, 628 485 C91, two SCREW, 24 009 R1 and WASH-ER, 277 606 R1, RH carrying	4		SHIM, carrying frame (.0299") (Order SHIM PACKAGE, 626 174 C1)
2	620 874 C95	FRAME w/BUSHING, 618 988 C1, CLAMP, 628 485 C91, two SCREW, 24 009 R1 and WASH-ER, 277 606 R1, LH carrying	5	620 873 C2 25 285 R1 9 412 230	PIN, trunnion (2) SCREW, hex-hd cap (2) NUT, lock (2)
3	620 869 C1 341 811 R1 25 762 R1 620 862 C1 717 704 C1	BAR, tie (2) WASHER (2) NUT (2) SPACER (2) NUT, tie bolt (2)	6	620 873 C2 25 285 R1 9 412 230	PIN, frame mounting (2) SCREW, hex-hd cap (2) NUT, lock
4		SHIM, carrying frame (.0149") (Order SHIM PACKAGE, 626 174 C1)	7	120 467 H	FITTING, lubrication (2) (Optional with FITTING, 110 146 R91)
4		SHIM, carrying frame (.0598") (Order SHIM PACKAGE, 626 174 C1)	7	110 146 R91	FITTING, lubrication (2) (Optional with FITTING, 102 467 H)
			8	620 863 C1 24 840 R1 115 093 118 775	PLATE, LH access SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)

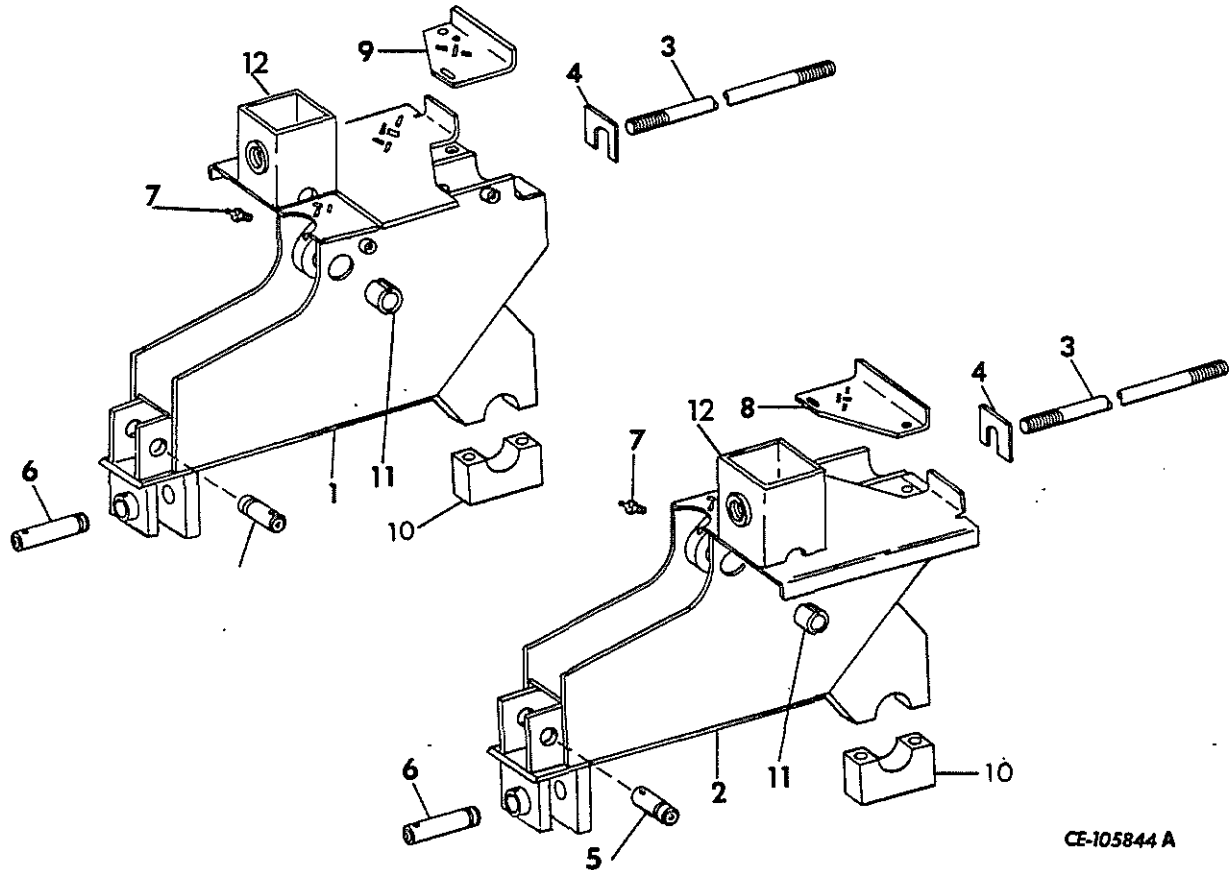
FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MOUNTING FRAME AND RELATED PARTS — Continued (For Model G7H Inside Arm Hydraulic Bullgrader)					
9	620 864 C1	PLATE, RH access			
	24 840 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	118 775	WASHER, flat (2)			
10	620 865 C2	PLATE, cover (2)			
	26 310 R1	BOLT (8)			
	115 093	WASHER, lock (8)			
11	618.988 C1	BUSHING, carrying frame (2)			
12		CLAMP, mounting (Order PACKAGE, 628 485 C91)			
	24 009 R1	SCREW, hex-hd cap (2)			
	277 606 R1	WASHER (2)			
13	668 693 C1	SOCKET ASSEMBLY (2)			
	628 485 C91	PACKAGE, pivot clamp service (Composed of one clamp and eight shim)			
	626 174 C1	PACKAGE, tie bar shim (Composed of ten shim)			

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MOUNTING FRAME AND RELATED PARTS (For Model 7G2 Outside Arm Hydraulic Bullgrader)



CE-105844 A

1	645 203 C94	FRAME w/BUSHING, 618 988 C1, CLAMP, 628 485 C91, two SCREW, 24 009 R1 and WASH-ER, 277 606 R1, RH carrying	4		SHIM, carrying frame (.0299") (Order SHIM PACKAGE, 626 174 C1) (2)
2	645 202 C94	FRAME w/BUSHING, 618 988 C1, CLAMP, 628 485 C91, two SCREW, 24 009 R1 and WASH-ER, 277 606 R1, LH carrying	5	620 562 C1 9 413 979 277 232 R1	PIN, radius arm pivot (2) NUT, lock (2) SCREW, hex-hd cap (2)
3	620 869 C1 341 811 R1 25 762 R1 620 862 C1 717 704 C1	BAR, tie (2) WASHER (2) NUT (2) SPACER (2) NUT, tie bolt (2)	6	620 873 C2 9 412 230 25 285 R1	PIN, frame mounting (2) NUT, lock (2) SCREW, hex-hd cap (2)
4		SHIM, carrying frame (.0149") (Order SHIM PACKAGE, 626 174 C1) (6)	7	102 467 H	FITTING, lubrication (Optional with FITTING, 110 146 R91) (2)
4		SHIM, carrying frame (.0598") (Order SHIM PACKAGE, 626 174 C1) (2)	7	110 146 R91	FITTING, lubrication (Optional with FITTING, 102 467 H) (2)
			8	620 863 C1 24 840 R1 115 093 118 775	PLATE, LH access SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)

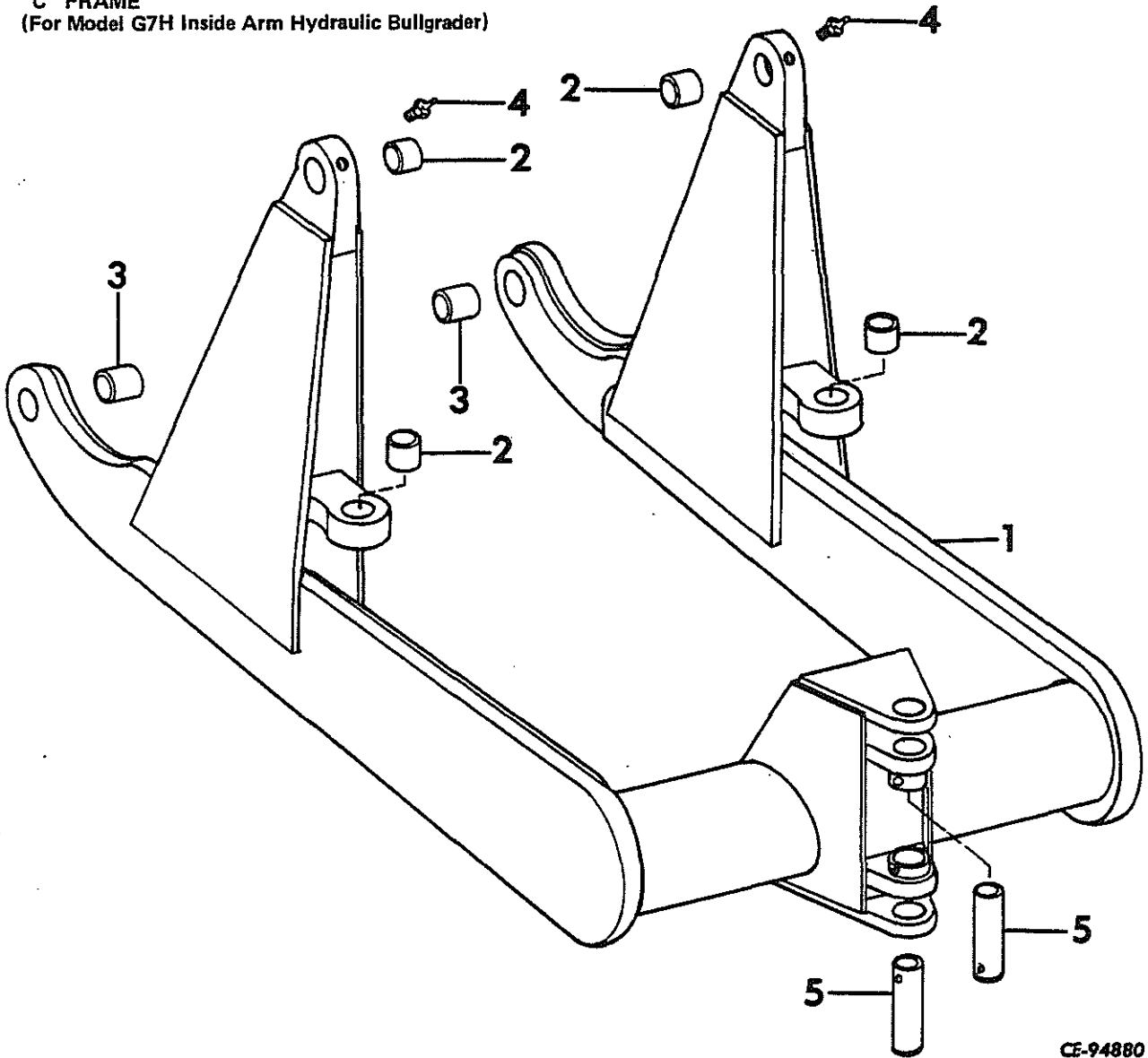
FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MOUNTING FRAME AND RELATED PARTS – Continued (For Model 7G2 Outside Arm Hydraulic Bullgrader)					
9	620 864 C1	PLATE, RH access			
	24 840 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	118 775	WASHER, flat (2)			
10		CLAMP, pivot (Order PACKAGE, 628 485 C91)			
	24 009 R1	SCREW, hex-hd cap (2)			
	277 606 R1	WASHER, flat (2)			
11	618 988 C1	BUSHING, carrying frame (2)			
12	668 693 C1	SOCKET ASSEMBLY (2)			
	626 174 C1	PACKAGE, tie bar shim (Com- posed of ten shim)			
	628 485 C91	PACKAGE, pivot clamp service (Composed of one clamp and eight shim)			

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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"C" FRAME
(For Model G7H Inside Arm Hydraulic Bullgrader)



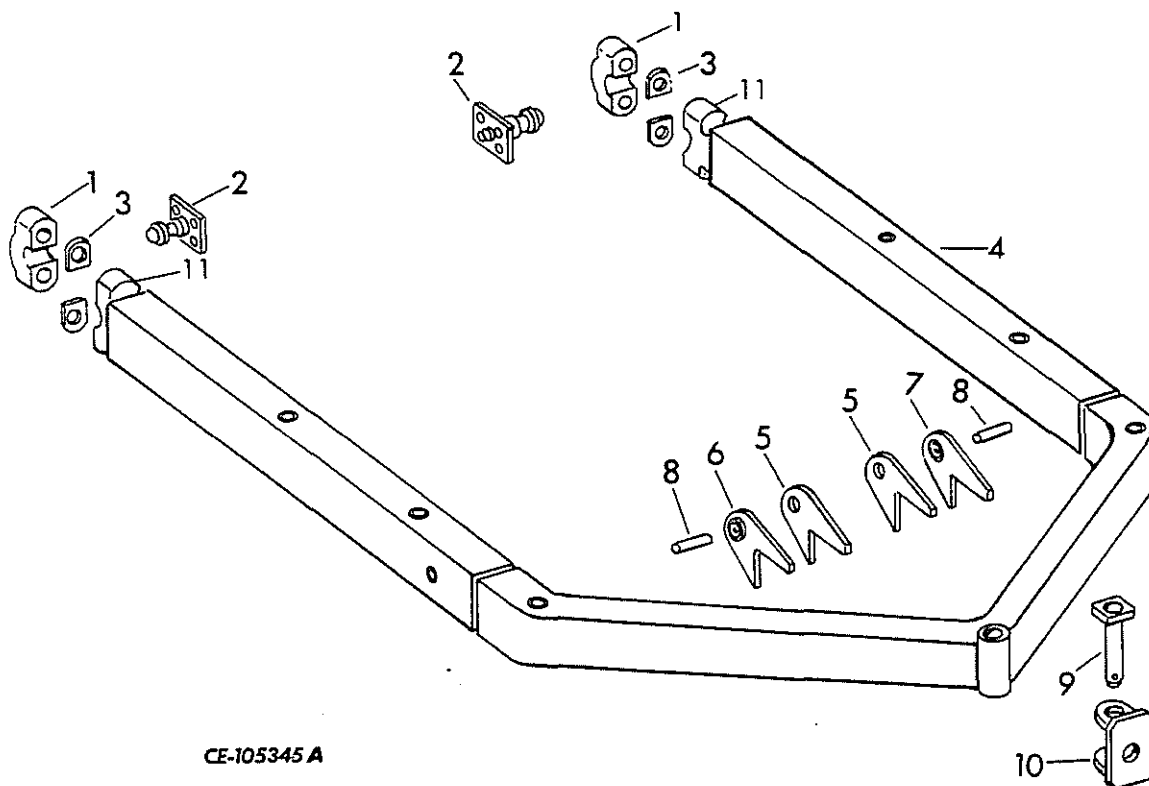
CE-94880

1	620 539 C93	"C" FRAME w/four BUSHING, 618 988 C1, and two BUSHING, 620 564 C1	4	109 461	FITTING, lubrication (2)
2	618 988 C1	BUSHING, cylinder lug (4)	5	620 562 C1 277 232 R1 9 413 979	PIN, angle frame pivot (2) BOLT (2) NUT, lock (2)
3	620 564 C1	BUSHING, trunnion (2)			

FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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"C" FRAME
(For Model 7G2 Outside Arm Hydraulic Bullgrader)



CE-105345 A

1	292 929 R1	CAP, trunnion bearing (2)	5	668 550 C1	PLATE, lift lug (2)				
2	647 430 C2	TRUNNION (2)	8	21 318 R1	PIN, lift arm mounting (2)				
	26 053 R1	BOLT (8)							
	25 539 R1	WASHER, flat (8)							
3	292 931 R1	SHIM, trunnion bearing cap (16)	11	647 171 C1	BEARING, trunnion (2)				
4	647.306 C91	"C" FRAME w/bearing caps	9	9 413 979	NUT, lock (2)				
		(Composed of -							
		2 BEARING 647 171 C1				9	647 166 C2	PIN, main	
		2 CAP 292 929 R1					24 843 R1	BOLT	
		1 FRAME \$					9 413 949	NUT, lock	
		1 PLATE 647 164 C2					10	647 218 C1	PIVOT, block
		1 PLATE 647 165 C2							
		2 PLATE 668 550 C1							
		16 SHIM 292 931 R1)							
		24 895 R1				BOLT (4)			
		25 538 R1				WASHER, flat (4)			
		292 930 R1				NUT (4)			



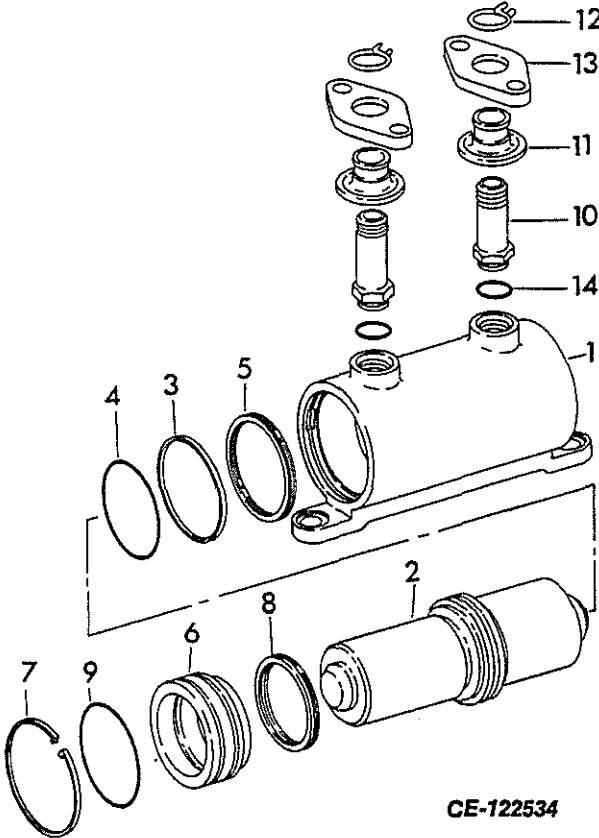
**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

HYDRAULICS

10

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING CYLINDER					
11	652 341 C1	BOOT, steering cylinder (Also part of PACKAGE, 679 248 C91) (4)	12	112 700 R1	CLAMP, hose (Also part of PACKAGE, 679 248 C91) (4)
13	628 095 C1	FLANGE, steering cylinder seal (4)	13	9 413 979	NUT (8)
	25 534 R1	WASHER (8)	14	570 828 R1	"O" RING (Also part of PACKAGE, 679 248 C91) (4)
	679 248 C91	PACKAGE, steering cylinder ring (Services one cylinder) (x) (Consists of -			
	2	BOOT		652 341 C1	
	2	CLAMP		112 700 R1	
	2	"O" RING		570 828 R1	
	1	RING, piston		\$	
	1	RING, piston		\$	
	1	RING, quad		\$	
	1	RING, sealing		\$	
	1	RING, sealing		\$	

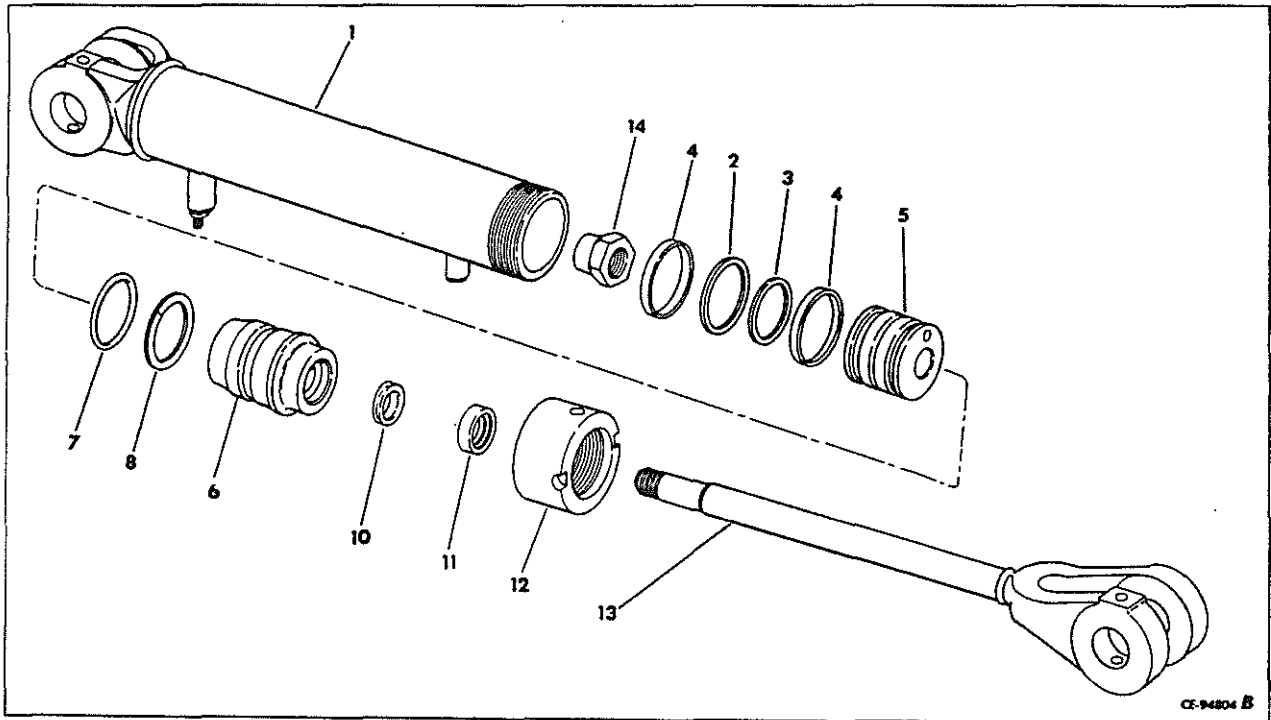


1	666 229 C1	CYLINDER, steering (2)
	690 693 R1	PIN, spring (2)
	24 861 R1	BOLT (4)
	25 536 R1	WASHER (4)
2	666 230 C1	PISTON, steering cylinder (2)
3	\$	RING, piston (Order PACKAGE, 679 248 C91) (2)
4	\$	RING, sealing (Order PACKAGE, 679 248 C91) (2)
5	\$	RING, quad (Order PACKAGE, 679 248 C91)
6	666 231 C1	CAP, cylinder end (2)
7	381 873 C1	RING, retaining (2)
8	\$	RING, piston (Clutch end) (Order PACKAGE, 679 248 C91) (2)
9	\$	RING, sealing (Order PACKAGE, 679 248 C91) (2)
10	9 410 229	UNION (4)

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE LIFT CYLINDERS
 (For Model G7H Inside Arm Hydraulic Bullgrader)
 (For Model 7G2 Outside Arm Hydraulic Bullgrader)



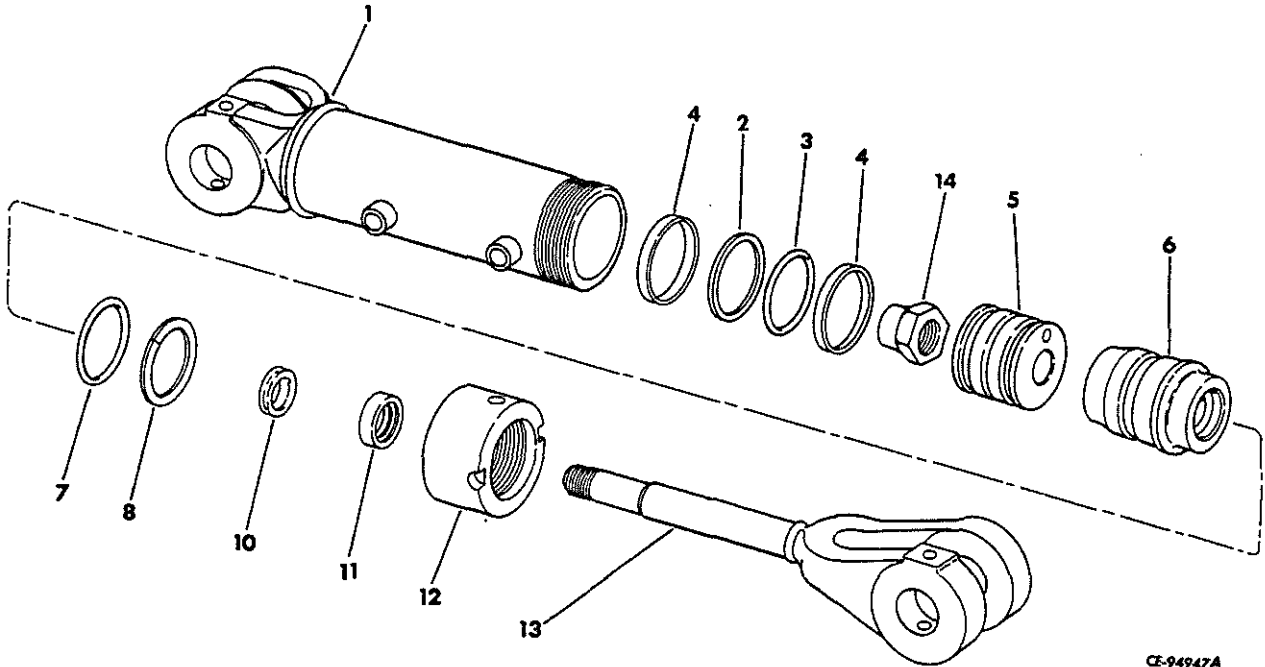
	620 610 C92	CYLINDER ASSEMBLY, hydraulic lift (2)	10	%	SEAL, rod
	620 621 C1	PIN, cylinder mounting (3)	11	%	SEAL
	734 760 C1	PIN, cylinder mounting			
	9 413 979	NUT (4)	12	387 375 R1	RING, retainer
	24 844 R1	BOLT (4)			
		(Composed of -	13	620 613 C1	ROD, piston
1	620 611 C1	HOUSING, cylinder	14	25 126 R1	NUT, piston rod lock
2	%	RING, seal		626 199 C2	PACKAGE, cylinder sealing ring (Services one cylinder) (x)
3	%	"O" RING			(Consists of -
4	%	RING, wear (2)			2 RING \$
5	620 607 C1	PISTON			1 RING \$
6	620 609 C2	HEAD, front cylinder			1 RING \$
7	%	"O" RING			1 RING \$
8	%	RING, back-up			1 SEAL \$
					1 SEAL \$)

% - Order PACKAGE, 626 199 C2

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE TILT CYLINDER
 (For Model G7H Inside Arm Hydraulic Bullgrader)
 (For Model 7G2 Outside Arm Hydraulic Bullgrader)



CE-94947A

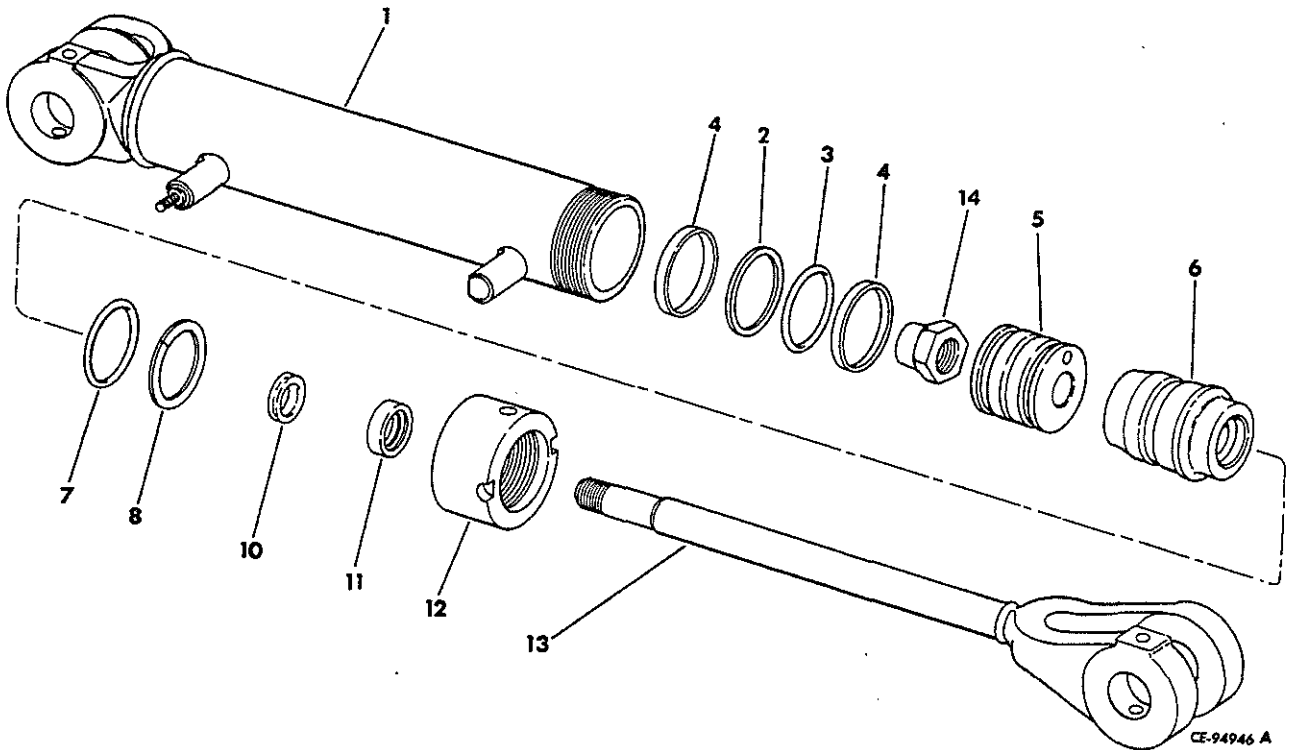
	620 615 C92	CYLINDER ASSEMBLY, blade tilt	10	+	SEAL, rod
	620 621 C1	PIN, cylinder mounting (2)			
	24 844 R1	BOLT (2)		+	SEAL
	9 413 979	NUT (2)			
		(Composed of -			
			12		387 375 R1 RING, retainer
1	620 616 C1	HOUSING, cylinder	13		620 619 C1 ROD, piston
2	+	RING, seal	14		25 126 R1 NUT, piston rod lock
3	+	"O" RING			626 199 C2 PACKAGE, cylinder sealing ring (x)
4	+	RING, wear (2)			(Consists of -
5	620 607 C1	PISTON			2 RING \$
6	620 609 C2	HEAD, front cylinder			1 RING \$
7	+	"O" RING			1 RING \$
8	+	RING, back-up			1 RING \$
					1 SEAL \$
					1 SEAL \$)

+ - Order PACKAGE, 626 199 C2

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE ANGLE CYLINDER
(For Model G7H Inside Arm Hydraulic Bullgrader)



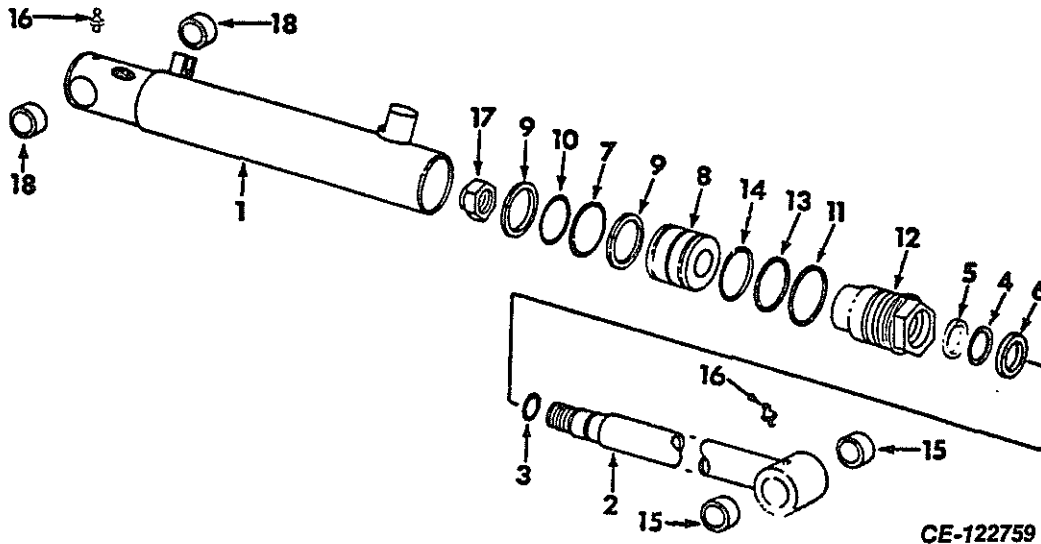
	620 600 C92	CYLINDER ASSEMBLY, blade angle (2)	8	@	RING, back-up
	620 621 C1	PIN, cylinder mounting (3)	10	@	SEAL, rod
	734 760 C1	PIN, cylinder mounting			
	24 844 R1	BOLT (4)	11	@	SEAL
	9 413 979	NUT (4)			
		(Composed of -	12	387 375 R1	RING, retainer
1	620 601 C1	HOUSING, cylinder	13	620 604 C1	ROD, piston
2	@	RING, seal	14	25 126 R1	NUT, piston rod lock
3	@	"O" RING		626 199 C2	PACKAGE, cylinder sealing ring (Services one cylinder) (x)
4	@	RING, wear (2)			(Consists of -
5	620 607 C1	PISTON			2 RING \$
6	620 609 C2	HEAD, front cylinder			1 RING \$
7	@	"O" RING			1 RING \$
					1 RING \$
					1 SEAL \$
					1 SEAL \$)

@ - Order PACKAGE, 626 199 C2

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIPPER LIFT CYLINDER
(Part of Ripper Attachment)



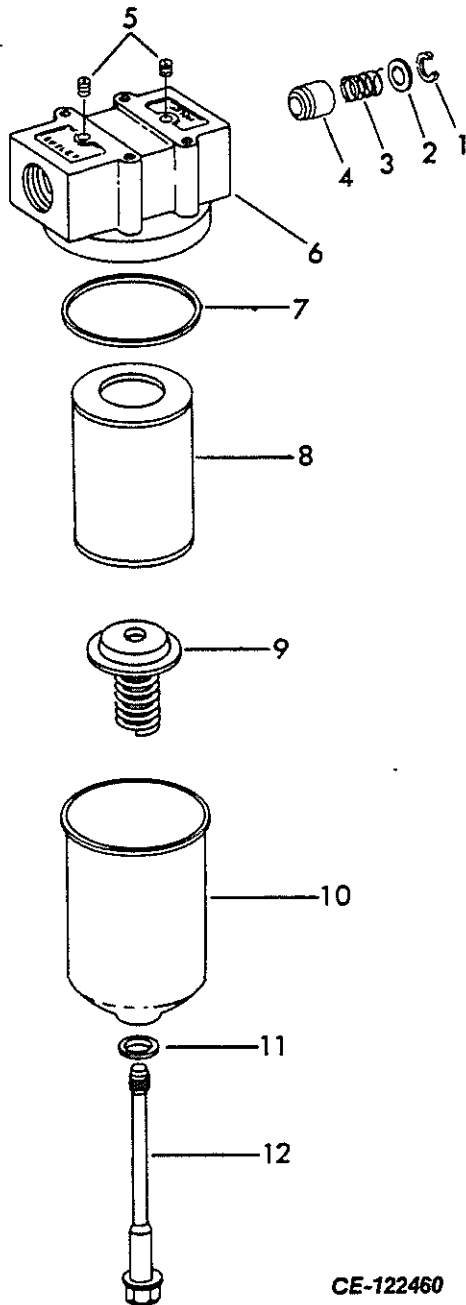
	529 789 R91	CYLINDER, ripper lift (2)	13	387 370 R1	WASHER, frt head static "O" ring back-up (%)
1	529 841 R1	BODY, hyd cyl	14	3 044 436 R1	"O" RING (Frt Head Static) (%)
2	529 844 R1	ROD, piston	15	378 478 R1	BUSHING, rod end (2)
3	350 818 R1	"O" RING (Piston Static Seal) (%)	16	109 461	FITTING, str lub (2 in each cyl assembly) (4)
4	387 399 R2	WASHER, piston rod quad ring back-up (%) (2)	17	20 251 R1	NUT, hex lock
5	400 745 R1	RING, piston rod quad (%)	18	378 478 R1	BUSHING, rear head (2)
6	403 844 R1	WIPER, piston rod (%)		391 905 R93	PACKAGE, hyd cyl service
7	387 373 R1	RING, piston seal (%)			(Consists of -
8	387 371 R1	PISTON, cyl			2 "O" RING 387 374 R1
9	387 374 R1	RING, piston brg (%) (2)			1 "O" RING 350 818 R1
10	383 017 R1	"O" RING (Piston Seal) (%)			1 RING 387 373 R1
11	381 873 R1	RING, retaining			1 "O" RING 383 017 R1
12	529 847 R1	HEAD, hyd cyl frt			1 "O" RING 3 044 436 R1
					1 WASHER 387 370 R1
					1 RING 400 745 R1
					2 WASHER 387 399 R2
					1 WIPER 403 844 R1)

(%) - Also part of PACKAGE, 391 905 R93.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION PRESSURE FILTER



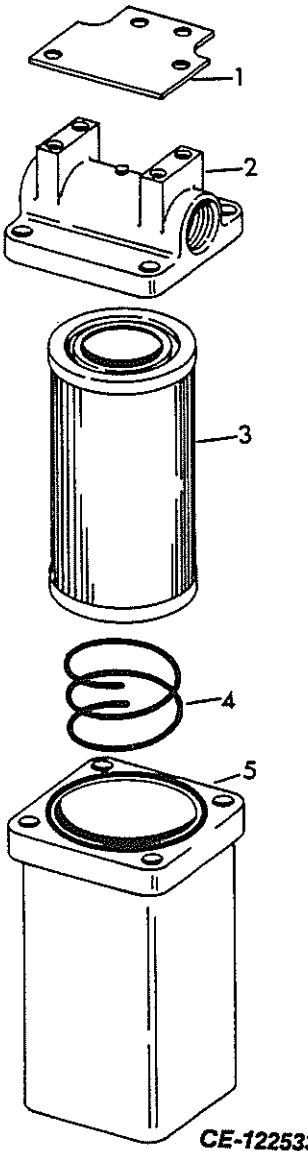
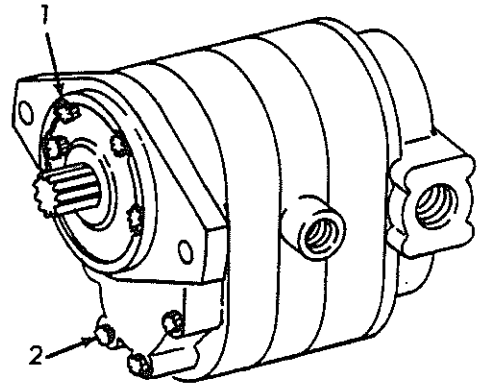
2	103 343	WASHER, flat (@)			
3	622 663 C2	SPRING, by-pass valve (@)			
4	706 950 C1	VALVE, filter by-pass (@)			
5	444 692	PLUG, 1/4" soc. pipe (2)			
6	1 140 137 C91	BASE ASSY, oil filter (Composed of -			
	1	RING	338 835 R1		
	1	SPRING	622 663 C2		
	1	VALVE	706 950 C1		
	1	WASHER	103 343)	
7	3 042 934 R1	"O" RING			
8	1 140 079 C2	ELEMENT, oil filter			
9	741 240 C1	RETAINER, element			
10	631 145 C1	BODY, oil filter			
11	619 814 C1	GASKET, oil filter body bolt			
12	631 143 C1	BOLT, oil filter hold down			

(@) - Also part of BASE ASSY,
1 140 137 C91

1 140 046 C92 FILTER ASSY, transmission oil
 24 840 R1 BOLT (4)
 25 544 R1 WASHER (4)

1 338 835 R1 RING, retaining (@)

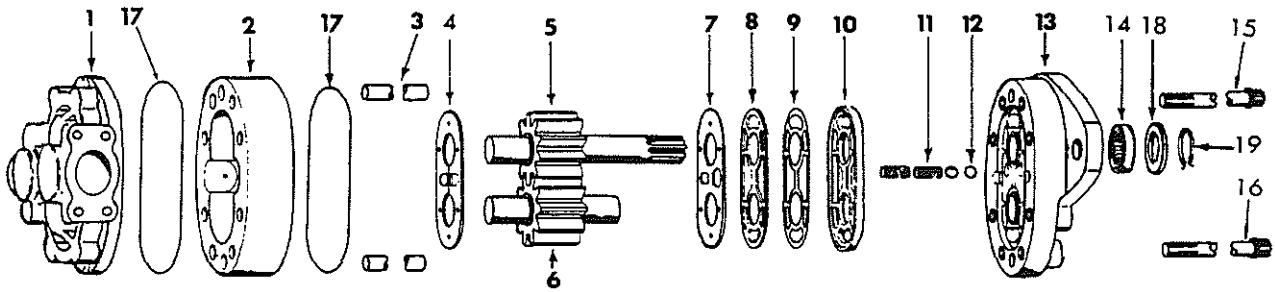
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SUCTION FILTER			4	346 822 R1	SPRING
			5	\$	BODY, filter
				444 684	PLUG, orifice
			CE-122533		
1	709 176 C1	BRACKET, suction filter (Not part of filter assembly)			
	24 839 R1	BOLT (2)			
	25 534 R1	WASHER (2)			
		(Composed of -			
	659 065 C91	FILTER ASSEMBLY, suction			
	24 840 R1	BOLT (2)			
	25 534 R1	WASHER (2)			
2	\$	HEAD, filter			
3	619 214 C1	ELEMENT, filter			
			TRANSMISSION AND TORQUE CONVERTER PUMP		
					
			CE-122540		
	706 980 C91	PUMP, transmission and torque converter			
	468 339 R1	"O" RING			
	25 506 R1	BOLT (2)			
	103 343	WASHER, flat (2)			
	116 121	WASHER, lock (2)			
1	27 713 R1	BOLT, 7" (4)			
2	27 712 R1	BOLT, 6-3/4" (4)			
	637 937 C91	KIT, major seal repair			
		(Consists of -			
	2	BALL			\$
	2	DIA-PHRAGM			\$
	2	GASKET, protector			\$
	2	GASKET, back-up			\$
	4	"O" RING			\$
	2	PLATE, thrust			\$
	1	RING, snap			\$
	2	SEAL, diaphragm			\$
	1	SEAL, shaft			\$
	2	SPRING			\$

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACTOR EQUIPMENT PUMP



PL-117723

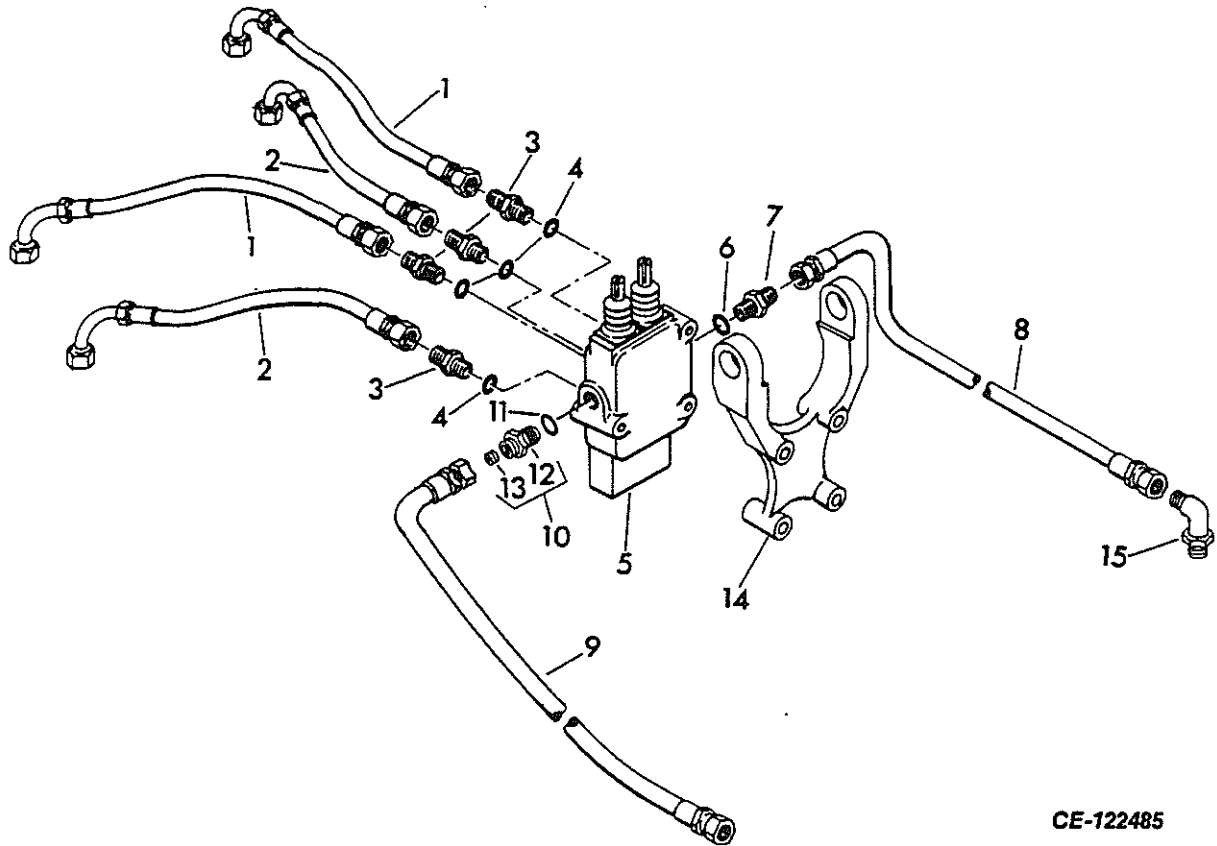
	623 088 C92	PUMP, tractor equipment	14	%	SEAL, shaft	
	468 339 R1	"O" RING				
	24 861 R1	BOLT (2)	15	202 206 H1	SCREW, cap (4)	
	103 343	WASHER, lock (2)				
	116 121	WASHER, flat (2)	16	347 757 R1	SCREW, cap (4)	
		(Composed of -				
1	\$	PLATE, back	17	%	"O" RING (2)	
2	\$	BODY	18	%	WASHER, special	
3	\$	PIN, dowel (2)	19	%	RING, retaining	
4	%	PLATE, thrust				
5	\$	GEAR, drive			67 055 C1	KIT, major seal repair
6	\$	GEAR, idler				(Consists of -
7	%	DIAPHRAGM				2 BALL \$
8	%	GASKET, back-up				1 DIAPHRAGM \$
9	%	GASKET, protector				1 GASKET, back-up \$
10	%	SEAL, diaphragm				1 GASKET, protector \$
11	%	SPRING, check (2)				2 "O" RING \$
12	%	BALL, steel (2)				1 PLATE, thrust \$
13	\$	PLATE, front				1 RING, retaining \$
						1 SEAL, diaphragm \$
						1 SEAL, shaft \$
						2 SPRING \$
						1 WASHER \$)

% - Order KIT, 67 055 C1

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC STEERING PIPING



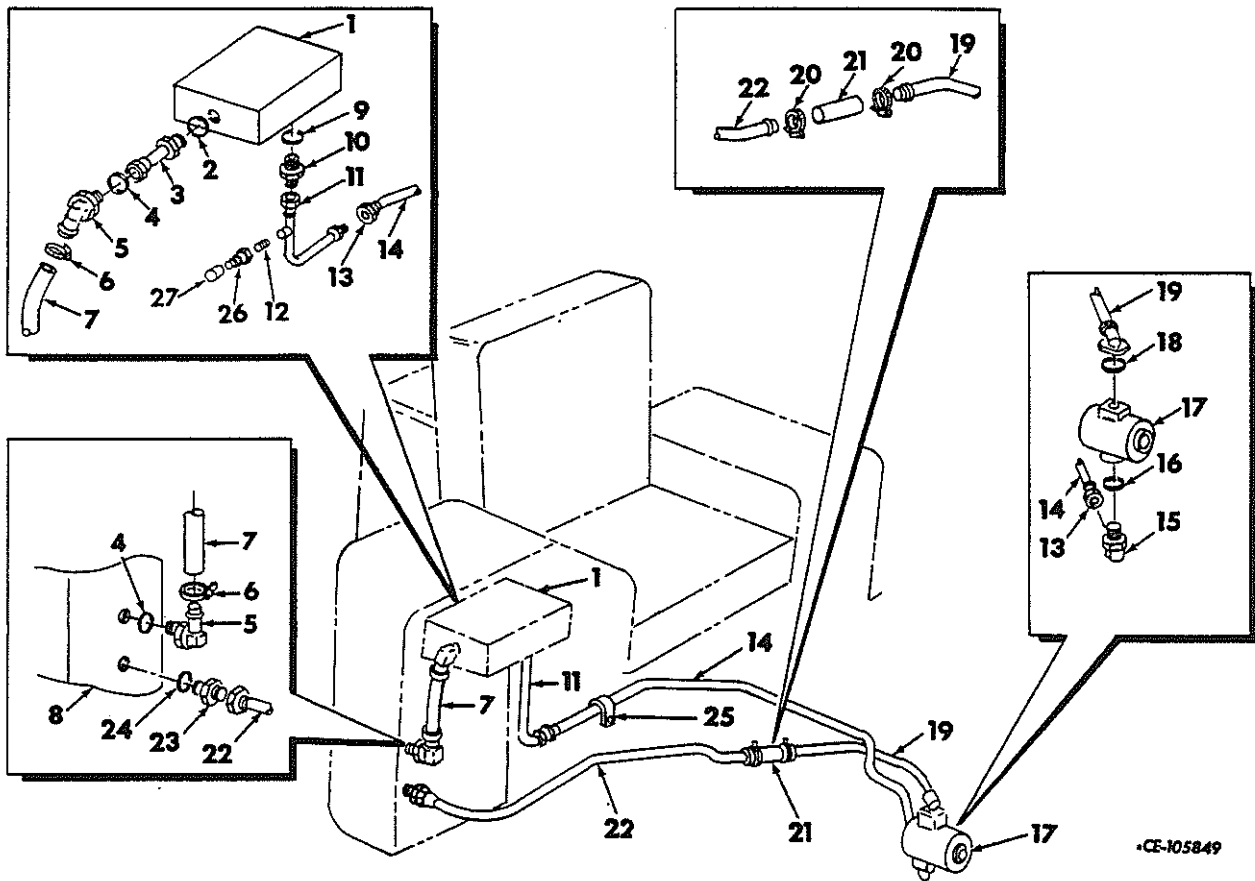
CE-122485

1	628 097 C1	HOSE w/FITTING, steering valve brake port to steering cylinder brake port (Hose, 3/8" ID x 15" long including fittings) (2)	8	708 849 C1	HOSE w/FITTINGS (1/2" ID x 18" long including fittings)
2	656 541 C1	HOSE w/FITTINGS (3/8" ID x 12" long including fittings) (2)	9	647 084 C1	HOSE w/FITTINGS (1/2" ID x 20" long including fittings)
3	9 410 203	CONNECTOR, steering valve clutch and brake ports (4)	10	710 657 C91	FITTING w/CONNECTOR and PLUG, 706 833 C1, steering valve inlet
4	570 828 R1	"O" RING, valve port connector sealing (4)	11	570 828 R1	"O" RING, steering valve inlet elbow seal
5		VALVE ASSEMBLY, steering control (Refer to "STEERING CONTROL VALVE")	12	\$	CONNECTOR, swivel
6	570 828 R1	"O" RING, valve outlet connector sealing	13	706 833 C1	PLUG, orifice
7	9 410 203	CONNECTOR, steering valve outlet	14	621 803 C1 25 520 R1 25 750 R1 116 120	SUPPORT, steering valve NUT SCREW, hex-hd cap WASHER, lock
			15	9 402 865	ELBOW, 90°, steering valve drain in rear frame

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACTOR EQUIPMENT PIPING



•CE-105849

1		VALVE ASSEMBLY, tractor equipment control (Refer to "TRACTOR EQUIPMENT CONTROL VALVE")	11	710 868 C1	TUBE, pressure (At valve)
2	296 247 R1	"O" RING (For models equipped w/one spool valve)	12	105 404	NIPPLE, pipe
3	645 104 C1	TUBE, return (For models equipped w/one spool valve)	13		FITTING, female swivel hose (Order HOSE ASSEMBLY, 645 334 C1)
4	296 247 R1	"O" RING (2)	14	653 561 C1	HOSE w/FITTINGS, pump to tube (Hose, 3/4" ID x 43" long including fittings)
5	391 806 R1	FITTING, 90° (2)	15	150 776 C91	ELBOW, 90°
6	690 062 C1	CLAMP, hose (2)	16	296 247 R1	"O" RING
7	653 513 C1	HOSE, return	17		PUMP ASSEMBLY, tractor equipment (Refer to "TRACTOR EQUIPMENT PUMPS")
8		RESERVOIR, tractor equipment hydraulics (Refer to "RESERVOIR AND RELATED PARTS")	18	707 253 R1	"O" RING
9	296 247 R1	"O" RING	19	710 870 C1	TUBE, suction (At pump)
10	380 633 R1	CONNECTOR, male		24 850 R1	SCREW, hex-hd cap (4)
				115 314	WASHER, lock (4)
			20	690 063 C1	CLAMP, hose (2)

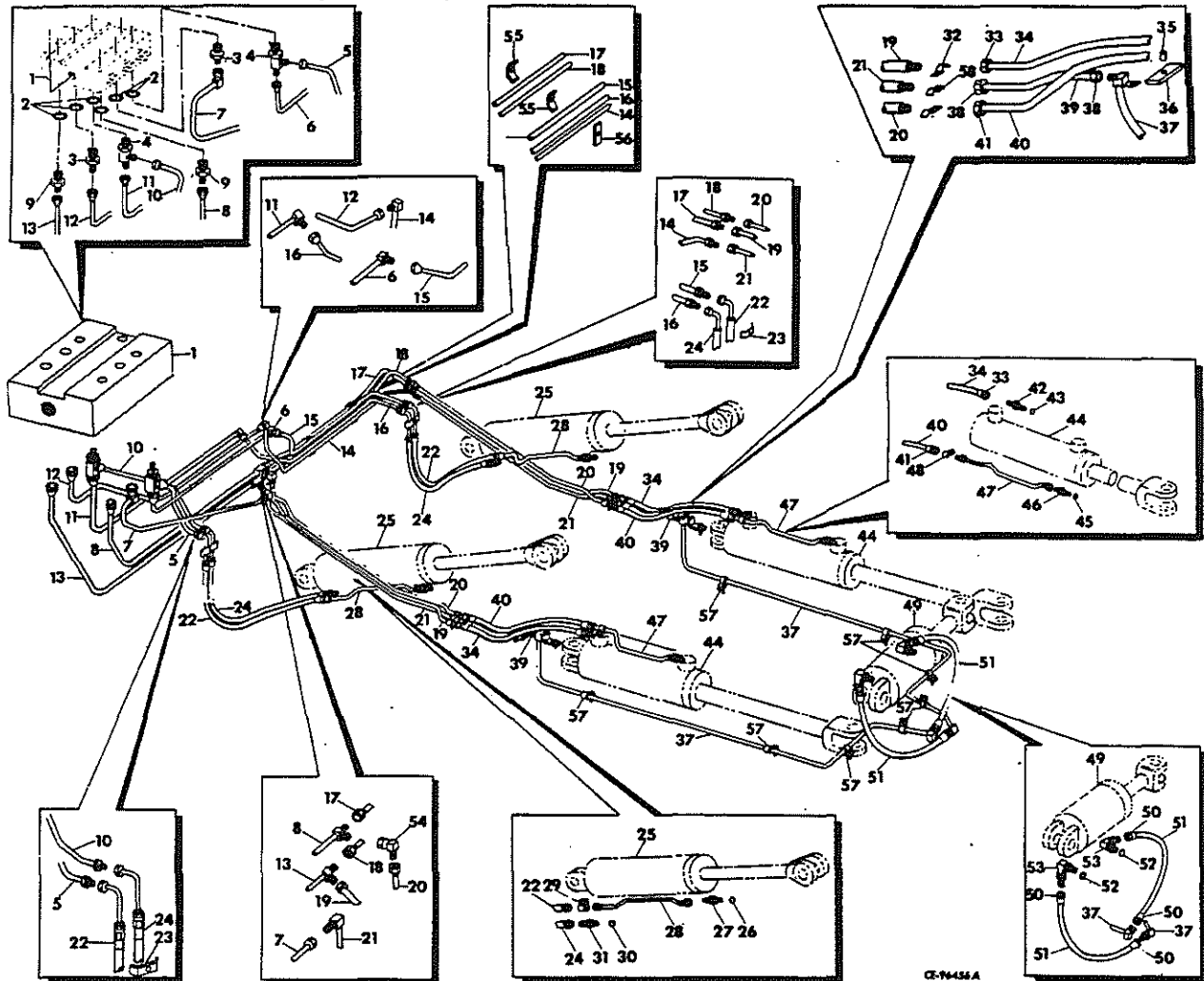
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACTOR EQUIPMENT PIPING – Continued					
21	645 097 C1	HOSE, connector			
22	710 871 C1	TUBE, suction (At tank)			
23	9 410 209	CONNECTOR, male			
24	301 016 R1	"O" RING			
25	308 581 R1	CLAMP, hose			
	24 843 R1	BOLT			
26	715 370 C1	PLUG, quick connective			
27	715 477 C1	COVER, protective			
	610 213 C91	STRAP, hose			
S	5 375	SPACER, 3/8" pipe			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACTOR EQUIPMENT PIPING (For Model G7H Inside Arm Hydraulic Bullgrader)



1		VALVE ASSEMBLY, tractor equipment control (Refer to "TRACTOR EQUIPMENT CONTROL VALVE")	11	645 330 C1	TUBE, head port at valve
2	296 247 R1	"O" RING (6)	12	705 615 C1	TUBE, head end (LH)
3	333 457 R1	CONNECTOR, tilt (2)	13	645 086 C1	TUBE, valve
4	645 060 C1	TEE, life connector (2)	14	645 077 C1	TUBE, head end crossover
5	645 061 C1	TUBE, lift rod port	15	645 064 C1	TUBE, rod port crossover
6	645 331 C1	TUBE, rod port at valve	16	645 065 C1	TUBE, head port crossover
7	705 616 C1	TUBE, rod end (RH)	17	645 083 C1	TUBE, head port crossover
8	645 082 C1	TUBE, valve	18	645 087 C1	TUBE, rod port crossover
9	222 648 H1	CONNECTOR (2)	19	645 085 C1	TUBE, head port (LH)
10	645 063 C1	TUBE, lift head port	19	645 088 C1	TUBE, head port (RH)
			20	645 089 C1	TUBE, rod port (LH)
			20	645 084 C1	TUBE, rod port (RH)

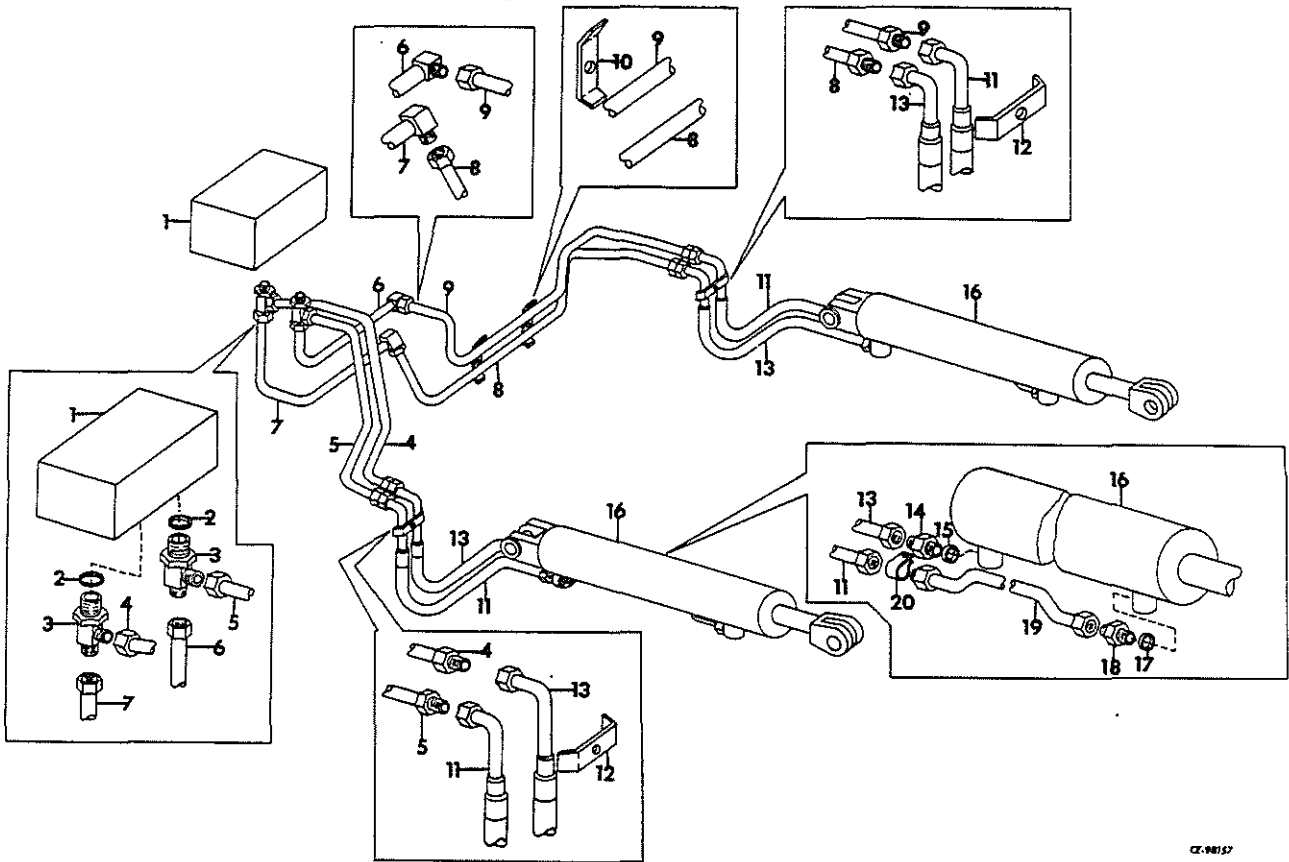
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACTOR EQUIPMENT PIPING – Continued (For Model G7H Inside Arm Hydraulic Bullgrader)			38		FITTING, jig swivel (Order HOSE, 645 283 C1)
21	645 078 C1	TUBE, head end (LH)	39	645 283 C1	HOSE w/FITTINGS, tilt (Hose, 3/8" ID x 33-1/2" long including fittings) (2)
21	645 072 C1	TUBE, rod port (RH)	40	645 090 C1	HOSE w/FITTINGS, angle (Hose, 3/8" ID x 43" long including fittings) (2)
22	645 062 C1	HOSE w/FITTINGS, lift (Hose, 3/8" ID x 29" long including fittings) (2)	41		FITTING, jig swivel (Order HOSE, 645 090 C1)
23	645 093 C1	CLAMP, tube (2)	42	9 410 203	CONNECTOR, angle cylinder (2)
	24 841 R1	SCREW, hex-hd cap (2)	43	570 828 R1	"O" RING (2)
	115 093	WASHER, lock (2)	44		CYLINDER ASSEMBLY, angle (Refer to "BLADE ANGLE CYLINDER") (2)
24	645 062 C1	HOSE w/FITTINGS, lift (Hose, 3/8" ID x 29" long including fittings) (2)	45	570 828 R1	"O" RING (2)
25		CYLINDER ASSEMBLY, lift (For components, refer to "BLADE LIFT CYLINDERS")	46	9 410 203	CONNECTOR, angle cylinder (2)
26	570 828 R1	"O" RING (2)	47	645 091 C1	TUBE, cylinder extension (LH)
27	9 410 203	CONNECTOR, lift cylinder (2)	47	645 092 C1	TUBE, cylinder extension (RH)
28	645 066 C1	TUBE, cylinder extension (LH)	48	645 272 C1	CLAMP, tube (2)
28	645 067 C1	TUBE, cylinder extension (RH)		25 522 R1	NUT (2)
29	308 581 R1	CLAMP, tube (2)		115 093	WASHER, lock (2)
	25 522 R1	NUT (2)	49		CYLINDER ASSEMBLY, tilt (Refer to "BLADE TILT CYLINDER")
	115 093	WASHER, lock (2)	50		FITTING, jig swivel (Order HOSE, 645 248 C1)
30	570 828 R1	"O" RING (2)	51	645 284 C1	HOSE w/FITTINGS (Hose, 3/8" ID x 22" long including fittings) (2)
31	9 410 203	CONNECTOR, lift cylinder (2)	52	570 828 R1	"O" RING (2)
32	311 500 R1	CLAMP, tube (4)	53	9 410 977	ELBOW, tilt cylinder (2)
	25 522 R1	NUT (4)	54	9 410 281	ELBOW, 90° swivel
	140 483 H	SCREW, hex-hd cap (4)	55	645 069 C1	CLAMP, tube (4)
	115 093	WASHER, lock (4)		25 522 R1	NUT (2)
33		FITTING, jig swivel (Order HOSE, 645 090 C1)		277 232 R1	SCREW, hex-hd cap (2)
34	645 090 C1	HOSE w/FITTINGS, angle (Hose, 3/8" ID x 43" long including fittings) (2)		115 093	WASHER, lock (2)
35	135 523 R1	SPACER (2)		118 775	WASHER, flat (4)
36	645 374 C1	CLAMP, angle hose (2)	56	645 068 C1	SPACER, tube mounting (2)
	24 843 R1	SCREW, hex-hd cap (2)	57	343 608 R1	CLAMP, tube (8)
	115 093	WASHER, lock (2)		26 099 R1	SCREW, hex-hd cap (8)
37	645 079 C1	TUBE, "C" frame tilt (LH)		115 093	WASHER, lock (8)
37	645 074 C1	TUBE, "C" frame tilt (RH)	58	343 608 R1	CLAMP, tube (2)
	24 842 R1	SCREW, hex-hd cap			
	115 093	WASHER, lock			
	118 775	WASHER, flat			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACTOR EQUIPMENT PIPING (For Model 7G2 Outside Arm Bulldozer)



1		VALVE ASSEMBLY, tractor equipment control (Refer to "TRACTOR EQUIPMENT CONTROL VALVE")	11	645 062 C1	HOSE w/FITTINGS, lift (Hose, 3/8" ID x 29" long including fittings) (2)
2	296 247 R1	"O" RING (2)	12	645 093 C1 24 841 R1 115 093	CLAMP, tube (2) SCREW, hex-hd cap (2) WASHER, lock (2)
3	645 060 C1	TEE, lift connector (2)	13	645 062 C1	HOSE w/FITTINGS, lift (Hose, 3/8" ID x 29" long including fittings) (2)
4	645 063 C1	TUBE, lift head port	14	9 410 203	CONNECTOR, lift cylinder (2)
5	645 061 C1	TUBE, lift rod port	15	570 828 R1	"O" RING (2)
6	645 331 C1	TUBE, rod port at valve	16		CYLINDER ASSEMBLY, lift (Refer to "BLADE LIFT CYLINDER")
7	645 330 C1	TUBE, head port at valve	17	570 828 R1	"O" RING (2)
8	645 065 C1	TUBE, head port crossover	18	9 410 203	CONNECTOR, lift cylinder (2)
9	645 064 C1	TUBE, rod port crossover			
10	645 069 C1 25 522 R1 24 842 R1 115 093 118 775	CLAMP, tube (2) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (4)			

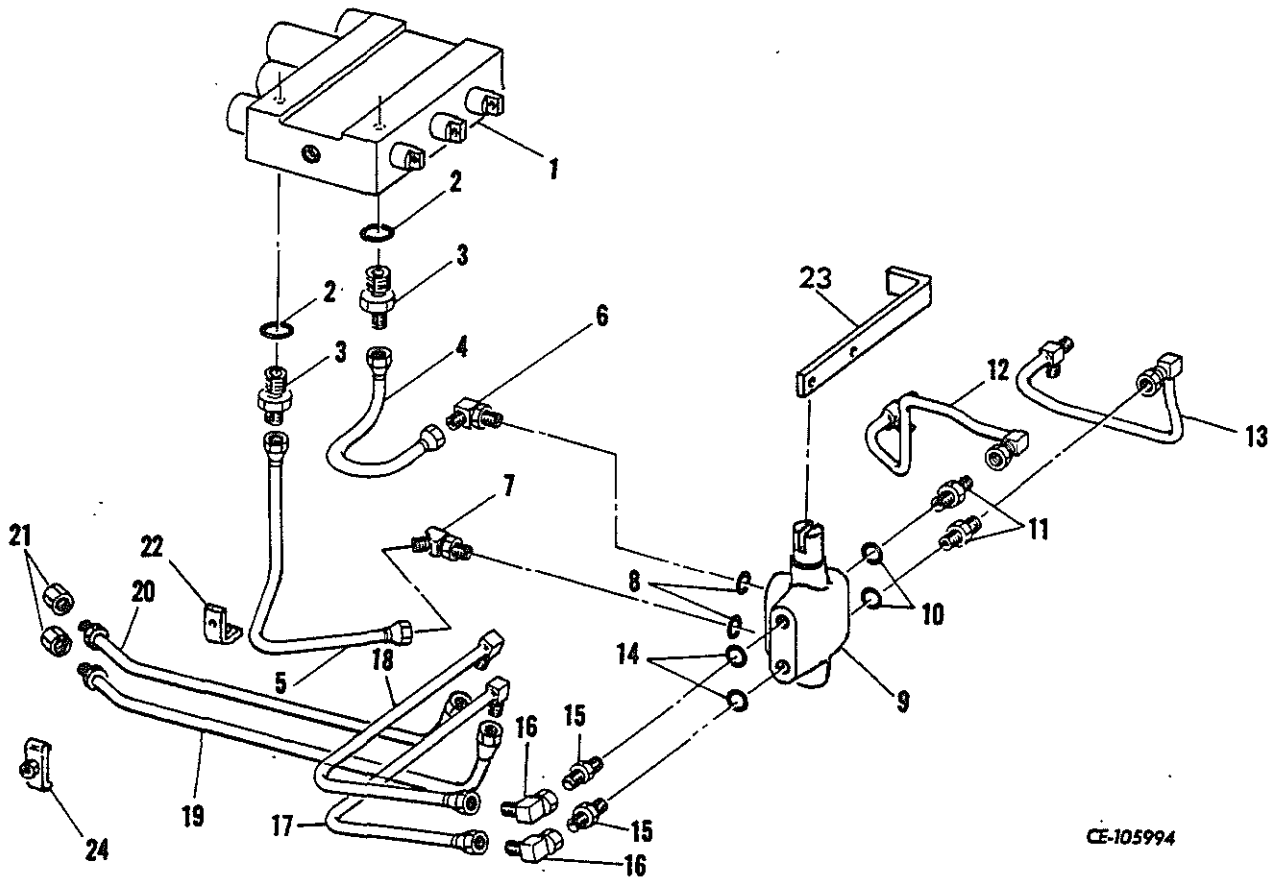
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACTOR EQUIPMENT PIPING – Continued (For Model 7G2 Outside Arm Bullgrader)					
19	645 067 C1	TUBE, cylinder extension (RH)			
19	645 066 C1	TUBE, cylinder extension (LH)			
20	645 272 C1	CLAMP, tube (2)			
	25 522 R1	NUT (2)			
	115 093	WASHER, lock (2)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REAR AUXILIARY CIRCUIT WITH DIVERTER VALVE



CE-105994

	622 873 C91	ATTACHMENT, rear auxiliary circuit w/diverter valve (Used with three spool tractor equipment control valve) (If a ROPS canopy is to be used with this attachment, only arched canopy mount is compatible) (See NOTE 2) (Consists of -		8	368 269 R1	"O" RING (2)
				9		VALVE ASSEMBLY, diverter (Refer to "DIVERTER VALVE")
				10	368 269 R1	"O" RING (2)
				11	573 206 R1	CONNECTOR (2)
1		VALVE ASSEMBLY, equipment control (Refer to "EQUIPMENT CONTROL VALVE") (Not part of attachment)		12	645 132 C1	TUBE, diverter to angle circuit
2	296 247 R1	"O" RING (2)		13	645 133 C1	TUBE, diverter to angle circuit
3	380 633 R1	CONNECTOR (2)		14	368 269 R1	"O" RING (2)
4	645 129 C1	TUBE, valve to diverter (Main A)		15	9 410 205	CONNECTOR (2)
5	645 130 C1	TUBE, valve to diverter (Main B)		16	9 410 283	ELBOW, 90° (2)
6	9 410 979	ELBOW, 90°		17	645 135 C1	TUBE, converter to ripper circuit
7	9 411 107	ELBOW, 45°		18	645 134 C1	TUBE, diverter to ripper circuit
				19	645 633 C1	TUBE, ripper

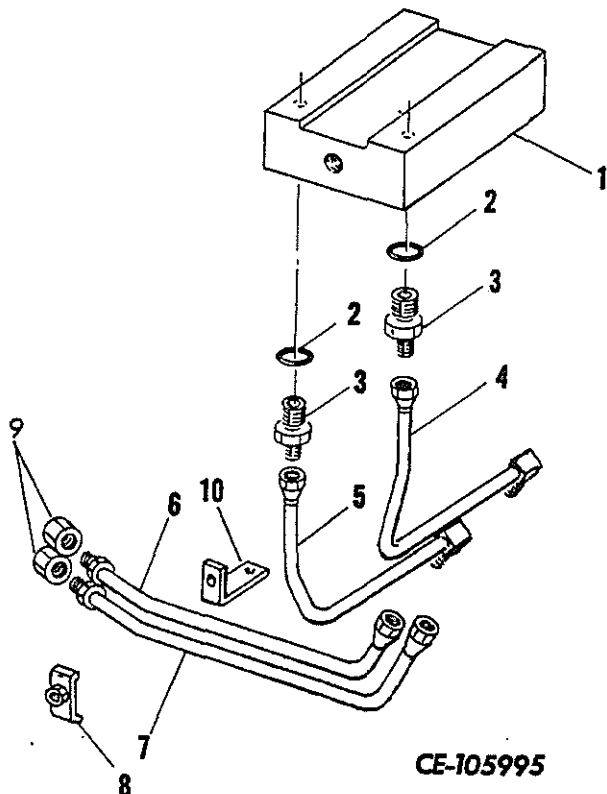
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REAR AUXILIARY CIRCUIT WITH DIVERTER VALVE – Continued					
20	645 632 C1	TUBE, ripper			
21	9 403 374	CAP, 37° flared tube (2)			
22	653 698 C1	ANGLE, tube clamp			
	24 842 R1	SCREW, hex-hd cap			
	63 115 D	WASHER, flat			
23	623 792 C1	LEVER, diverter valve			
	42 947 V	PIN, rod end			
	119 117	PIN, 3/32" cotter			
	119 981	PIN, 1/16" cotter			
24	653 508 C1	CLAMP, tube			
	24 842 R1	SCREW, hex-hd cap			
	115 093	WASHER, lock			
	652 434 C1	PRODUCT GRAPHIC, diverter control			
	626 235 C1	PRODUCT GRAPHIC, ripper control			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REAR AUXILIARY CIRCUIT



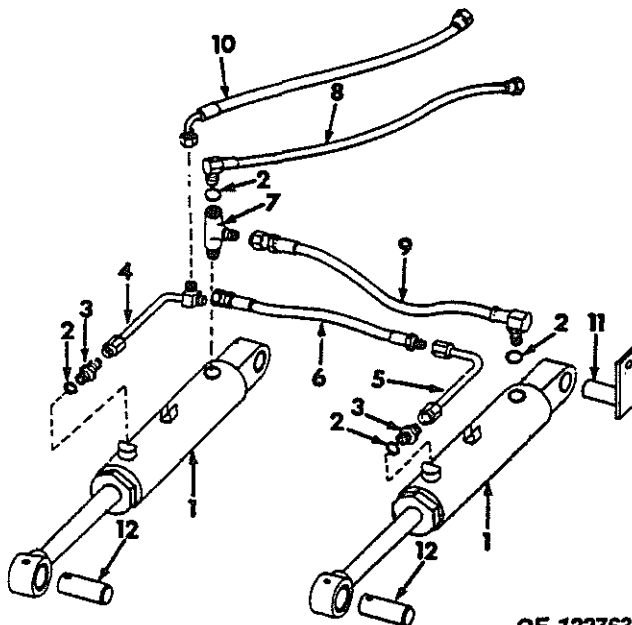
5	645 145 C1	TUBE, valve to ripper (Port A) (A)
5	645 144 C1	TUBE, valve to ripper (Port A) (B)
6	645 633 C1	TUBE, ripper
7	645 632 C1	TUBE, ripper
8	653 508 C1 24 842 R1 115 093	CLAMP, tube SCREW, hex-hd cap WASHER, lock
9	9 403 374	CAP, 37° flared tube (2)
10	653 698 C1	ANGLE, tube clamp (A)
10	653 696 C1 24 842 R1 63 115 D	ANGLE, tube clamp (B) SCREW, hex-hd cap WASHER, flat
	626 235 C1	PRODUCT GRAPHIC, ripper control

- A 622 874 C91 ATTACHMENT, rear auxiliary circuit (Used with two spool tractor equipment control valve) (If a ROPS canopy is to be used with this attachment, only arched canopy is compatible) (See NOTE 2)
- B 645 164 C91 ATTACHMENT, rear auxiliary circuit (Used with two spool tractor equipment control valve) If a ROPS canopy is to be used with this attachment, only arched canopy is compatible) (See NOTE 2) (Composed of -
- 1 VALVE ASSEMBLY, equipment control (Refer to "EQUIPMENT CONTROL VALVE") (Not part of attachment)
- 2 296 247 R1 "O" RING (2)
- 3 380 633 R1 CONNECTOR (2)
- 4 645 146 C1 TUBE, valve to ripper (Port B) (A)
- 4 645 143 C1 TUBE, valve to ripper (Port B) (B)

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIPPER PIPING
(Part of Ripper Attachment)



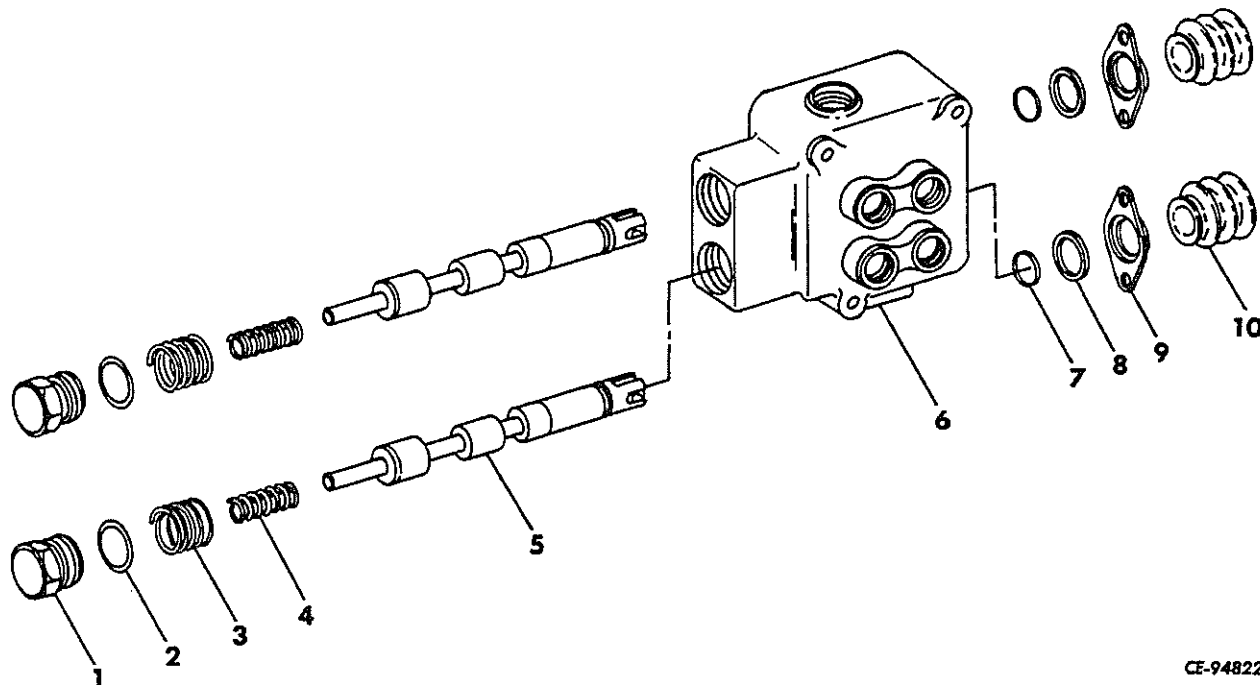
CE-122763

1		CYLINDER, lift (Refer to "RIPPER LIFT CYLINDER") (2)	8	541 011 R1	HOSE, tractor to cylinder
2	364 885 R1	"O" RING (4)	9	541 009 R1	HOSE ASSEMBLY, cylinder (Piston side)
3	9 410 204	CONNECTOR, short swivel (2)	10	541 010 R1	HOSE, tractor to cylinder
4	541 006 R1	TUBE, rod end	11	541 004 R1	PIN, ripper cylinder front (2)
5	541 012 R1	TUBE, rod end		180 179	BOLT (2)
6	541 008 R1	HOSE, cylinder (Rod side)		120 384	WASHER, lock (2)
7	9 411 132	TEE		120 378	NUT, hex (2)
			12	851 506 C1	PIN, cylinder rear (2)
				378 484 R1	PIN, std-hd (2)
				12 235 R1	PIN, cotter (2)

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STEERING CONTROL VALVE



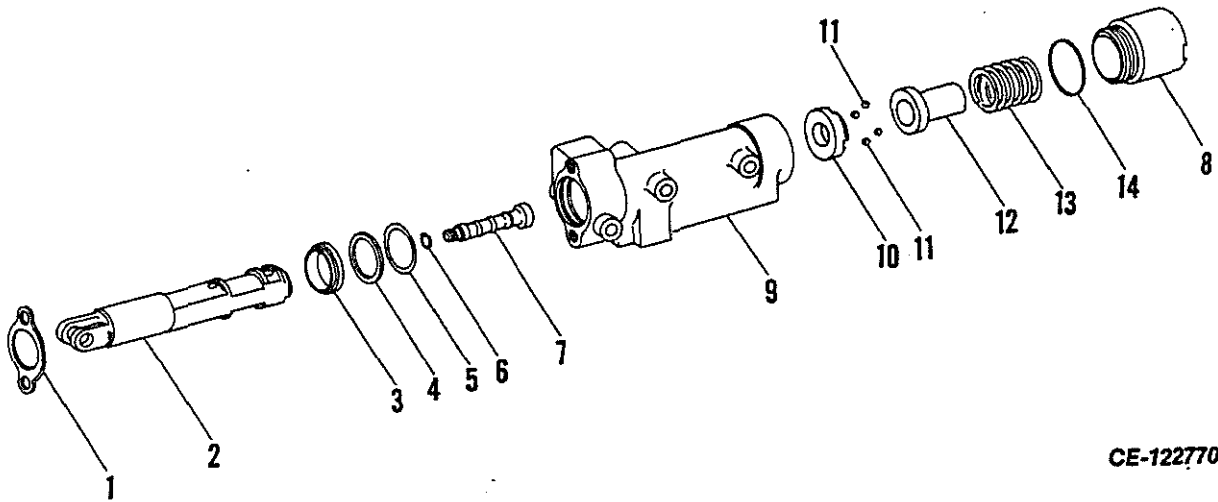
CE-94822

	621 804 C91	VALVE ASSEMBLY, steering control	6	\$	BODY
	25 494 R1	BOLT (3)	7		RING, spool sealing (Order PACKAGE, 622 831 C91) (2)
	116 120	WASHER, lock (3)			
	25 520 R1	NUT (3)	8		BREATHER (Order PACKAGE, 622 831 C91) (2)
		(Composed of -			
1	622 684 C1	PLUG, valve (2)	9	622 680 C1	RETAINER, breather and dust seal (2)
2	350 667 R1	"O" RING, plug sealing (2)		20 991 R1	SCREW, pan hd mach (4)
3	622 683 C1	SPRING, outer (2)			
4	622 682 C1	SPRING, inner (2)	10		SEAL, dust (Order PACKAGE, 622 831 C91) (2)
5	\$	SPOOL, valve (2)		622 831 C91	PACKAGE, steering control valve sealing ring service (x)
					(Consists of -
					2 BREATHER \$
					2 RING 350 667 R1
					2 RING \$
					2 SEAL \$)

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PILOT CONTROL VALVE



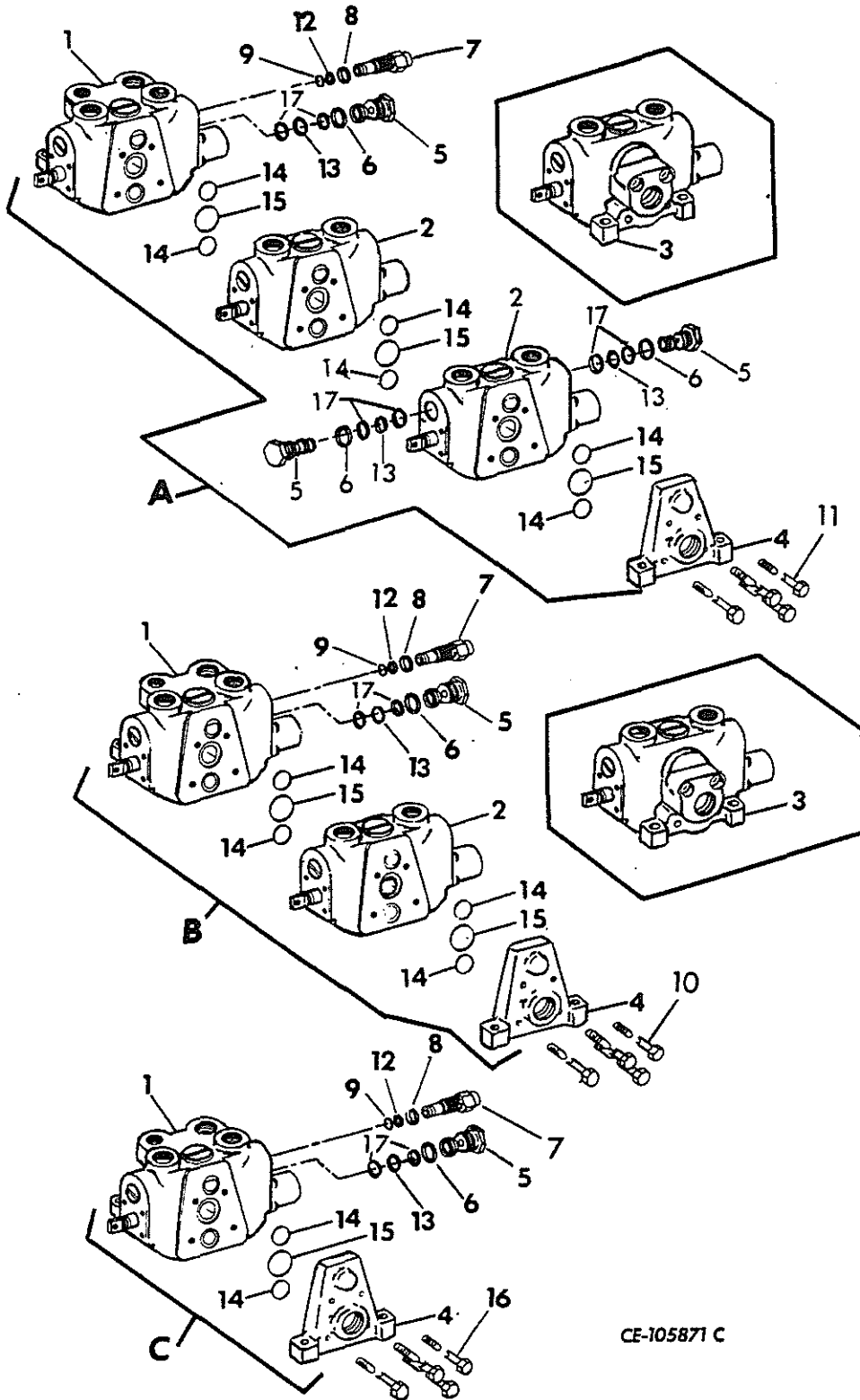
	666 151 C92	VALVE ASSEMBLY, pilot control	8	622 232 C1	HOUSING, detent
	617 113 C1	SPACER, mounting (4)			
	24 841 R1	SCREW, hex-hd cap (4)	9		HOUSING (Not furnished separately)
	115 093	WASHER, lock (4) (Composed of -			
1	617 051 C1	RETAINER, spool seal	10	622 329 C1	RETAINER, detent ball
	25 653 R1	SCREW, hex-hd cap (2)	11	17 010 R1	BALL, detent (4)
2	\$	SPOOL	12	622 330 C1	SLEEVE, detent
3		WIPER, spool (Order PACKAGE, 622 829 C91)	13	659 017 C1	SPRING, detent
4		RING, square sealing (Order PACKAGE, 622 829 C91)	14		RING, detent housing sealing (Order PACKAGE, 622 829 C91)
5		RING, spool sealing (Order PACKAGE, 622 829 C91)		622 829 C91	PACKAGE, pilot control valve sealing ring service (x) (Consists of -
6		RING, detent cam sealing (Order PACKAGE, 622 829 C91)			4 RING \$
					1 WIPER \$)
7	622 328 C1	CAM, detent			

HYDRAULICS

MEMORANDA

HYDRAULICS

TRACTOR EQUIPMENT CONTROL VALVES



CE-105871 C

HYDRAULICS

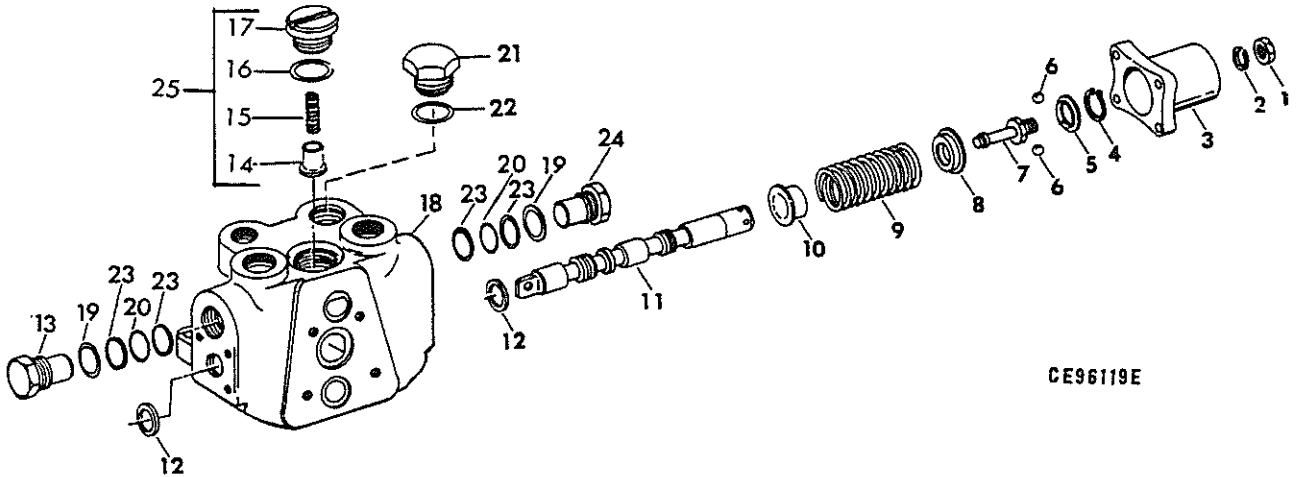
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACTOR EQUIPMENT CONTROL VALVES – Continued			14	384 376 R1	RING, seal (6 for A) (4 for B) (2 for C) (See NOTE at end of list)
A		SERVICE PARTS, for three spool equipment control valve	15	391 733 R1	RING, seal (3 for A) (2 for B) (1 for C) (See NOTE at end of list)
B		SERVICE PARTS, for two spool equipment control valve	16	179 847 120 381	BOLT (4 for C) WASHER, lock (4)
C		SERVICE PARTS, for single spool control valve	17	631 240 C1	RING, back-up (See NOTE at end of list)
	25 526 R1	NUT (3)			
	24 865 R1	BOLT (3)			
	116 121	WASHER, flat (3)	9 410 363		PLUG (Not furnished as part of valve) (2 for B)
	25 536 R1	WASHER (3) (Composed of -			
1		SECTION, inlet (Refer to "EQUIPMENT CONTROL VALVE INLET SECTION")	296 247 R1		"O" RING (Not furnished as part of valve) (2 for B)
2		SECTION, standard (Refer to "EQUIPMENT CONTROL VALVE STANDARD AND OUTLET SECTION") (2 for A) (1 for B)			
3		SECTION, outlet (Refer to "EQUIPMENT CONTROL VALVE STANDARD AND OUTLET SECTION") (A) (B)			
4	625 194 C91	PLATE, end			
5	631 241 C1	VALVE ASSEMBLY, anti-cavitation upper w/two seal rings, two back-up rings, one ball and seat (1 for B and C, 3 for A)			
6	343 900 R1	RING, seal (See NOTE at end of list)			
7	625 908 C1	CARTRIDGE, relief			
8	297 459 R1	RING, seal (See NOTE at end of list)			
9	393 349 R1	RING, seal (See NOTE at end of list)			
10	186 284 120 381	BOLT (4 for B) WASHER, lock (4)			
11	187 491 120 381	BOLT (4 for A) WASHER, lock (4)			
12	877 737 C1	RING, back-up (See NOTE at end of list)			
13	625 096 C1	RING, seal (See NOTE at end of list)			

NOTE: Not furnished separately. Part number listed to show location of part. Order seal kit required. See "Alphabetical Index" for location of seal kits.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACTOR EQUIPMENT CONTROL VALVE INLET SECTION



CE96119E

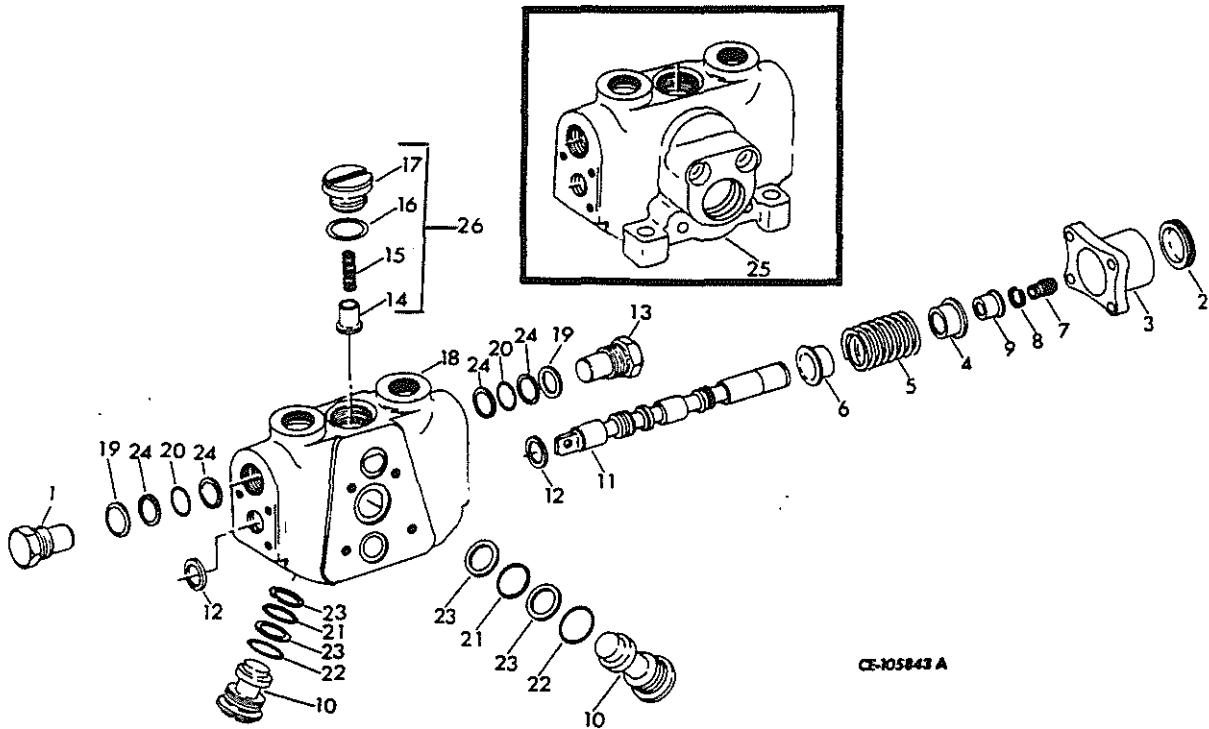
	625 900 C92	SECTION, equipment control valve inlet (Composed of -	16		RING, seal (Order KIT, 625 903 C1)
1	272 122	NUT, jam	17	\$	PLUG, lift check
2	121 621	WASHER, lock	18	\$	BODY, valve
3	625 179 C1 114 357 121 637	BONNET, float SCREW, fl-soc-hd mach (4) WASHER, lock (4)	19	343 900 R1	RING, seal (See NOTE at end of list) (2)
4	269 181 R1	RING, snap	20	625 096 C1	RING, seal (See NOTE at end of list) (2)
5	625 180 C1	RETAINER, detent ball	21	625 191 C1	PLUG, outlet
6	17 007 R1	BALL, detent (4)	22	625 192 C1	SEAL, plug
7	625 182 C2	ADAPTER, float detent	23	631 240 C1	RING, back-up (See NOTE at end of list) (4)
8	625 181 C1	COLLAR, detent stop	24	631 924 C1	PLUG, upper port option (Shipping)
9	625 183 C1	SPRING, centering	25	631 932 C92	CHECK VALVE ASSEMBLY, load
10	625 184 C1	COLLAR, stop		625 903 C1	KIT, internal section seal (Consists of -
11	\$	SPOOL, float			2 SEAL \$
12		SEAL, quad ring (Order KIT, 625 903 C1) (2)			1 RING \$)
13	631 924 C1	PLUG, upper port option (If equipped) (2)			
14	\$	POPPET, lift check			
15	\$	SPRING, lift check			

NOTE: Not furnished separately. Part number listed to show location of part. Order seal kit required. See "Alphabetical Index" for location of seal kits.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACTOR EQUIPMENT CONTROL VALVE STANDARD AND OUTLET SECTION



CE-105843 A

	631 770 C91	SECTION, equipment control valve standard (Composed of -	13	631 924 C1	PLUG, upper port
			14	\$	POPPET, lift check
1	631 924 C1	PLUG, upper port	15	\$	SPRING, lift check
2	625 309 C1	DIAPHRAGM, bonnet	16		RING, seal (Order KIT, 625 903 C1)
3	625 312 C1	BONNET, float	17	\$	PLUG, lift check
	114 357	SCREW, fl-soc-hd mach (4)	18		BODY, valve (Order SECTION, 631 770 C91)
	121 637	WASHER, lock (4)	19	343 900 R1	RING, seal (See NOTE at end of list) (2)
4	625 314 C1	COLLAR, stop	20	625 096 C1	RING, seal (See NOTE at end of list) (2)
5	625 319 C1	SPRING, centering	21	384 943 R1	RING, seal (See NOTE at end of list) (2)
6	625 314 C1	COLLAR, stop	22	393 349 R1	RING, seal (See NOTE at end of list) (2)
7	426 368	SCREW, hex-soc-hd			
8	625 317 C1	WASHER, lock			
9	625 313 C1	COLLAR, spool			
10	631 928 C1	PLUG, lower anti-cavitation (If equipped) (2)			
11	\$	SPOOL, float			
12		SEAL, quad ring (Order KIT, 625 903 C1) (2)			

NOTE: Not furnished separately. Part number listed to show location of part. Order seal kit required. See "Alphabetical Index" for location of seal kits.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACTOR EQUIPMENT CONTROL VALVE STANDARD AND OUTLET SECTION — Continued					
23	631 243 C1	WASHER (See NOTE at end of list) (4)			
24	631 240 C1	WASHER (See NOTE at end of list) (4)			
25		NOT USED IN THIS APPLICATION			
26	631 932 C92	CHECK VALVE ASSEMBLY, load			
	625 903 C1	KIT, internal section seal (Consists of -			
		2 RING	625 176 C1		
		1 RING	669 588 R1)		

NOTE: Not furnished separately.
Part number listed to show location of part. Order seal kit required. See "Alphabetical Index" for location of seal kits.

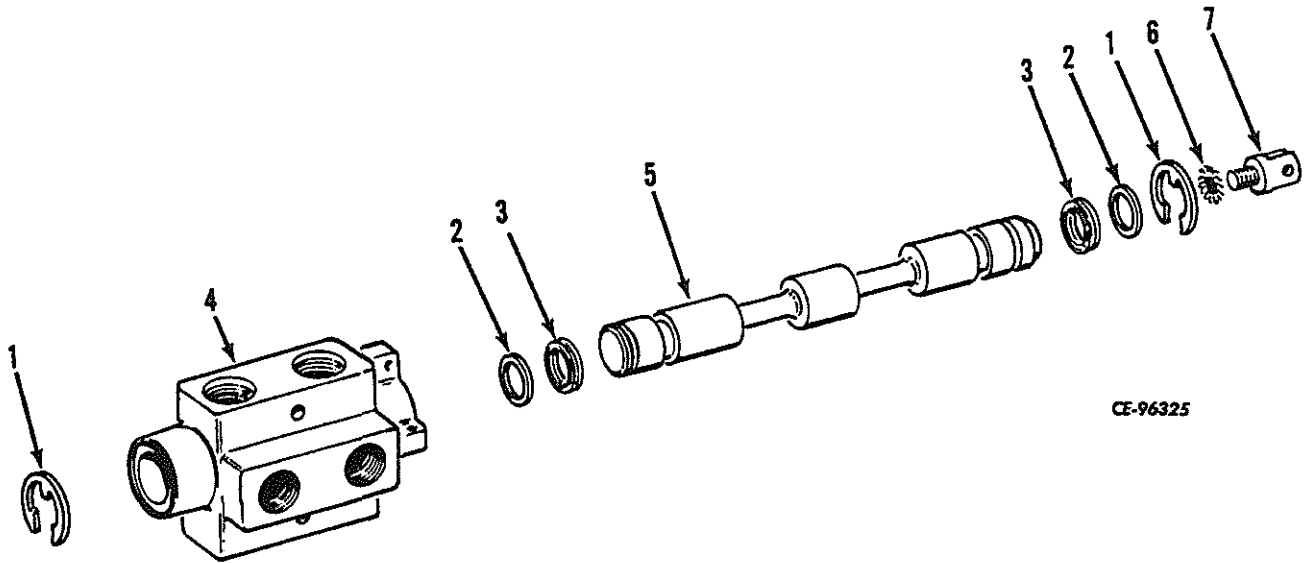
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACTOR EQUIPMENT CONTROL VALVE SEAL KIT			625 912 C1		KIT, between sections seal (2 for three spool, 1 for two spool, 1 for one spool)
625 911 C2		KIT, master seal (For three spool valves)			(Consists of -
		(Consists of -			2 RING 384 376 R1
		1 RING 625 192 C1			1 RING 391 733 R1)
		3 RING 669 588 R1	625 914 C2		KIT, lower anti-cavitation seal
		1 RING 625 186 C1			(2 for three spool, 1 for two spool)
		1 RING 355 966 R1			(Consists of -
		1 RING 877 737 C1			1 RING 384 943 R1
		2 RING 187 518 H1			1 RING 187 518 H1
		4 RING 343 900 R1			2 RING 631 243 C1)
		4 RING 625 096 C1	625 915 C1		KIT, master seal relief
		2 RING 384 376 R1			(Consists of -
		1 RING 391 733 R1			1 RING 625 192 C1
		4 RING 625 176 C1			1 RING 669 588 R1
		1 RING 384 943 R1			1 RING 625 186 C1
		8 RING 631 240 R1			1 RING 355 966 R1
		2 RING 631 243 C1)			1 RING 877 737 C1
625 910 C2		KIT, master seal (For two spool valves)			1 RING 187 518 H1)
		(Consists of -			
		1 RING 625 192 C1			
		3 RING 669 588 R1			
		1 RING 625 186 C1			
		1 RING 355 966 R1			
		1 RING 877 737 C1			
		2 RING 187 518 H1			
		4 RING 343 900 R1			
		4 RING 625 096 C1			
		2 RING 384 376 R1			
		1 RING 391 733 R1			
		4 RING 625 176 C1			
		1 RING 384 943 R1			
		8 RING 631 240 C1			
		2 RING 631 243 C1)			
625 909 C2		KIT, master seal (For one spool valves)			
		(Consists of -			
		1 RING 625 192 C1			
		2 RING 669 588 R1			
		1 RING 625 186 C1			
		1 RING 355 966 R1			
		1 RING 877 737 C1			
		1 RING 187 518 H1			
		2 RING 343 900 R1			
		2 RING 625 096 C1			
		2 RING 384 376 R1			
		1 RING 391 733 R1			
		2 RING 625 176 C1			
		2 RING 631 240 C1)			
625 913 C2		KIT, upper option port seal (6 for three spool valve, 4 for two spool valve, 2 for one spool valve)			
		(Consists of -			
		1 RING 343 900 R1			
		1 RING 625 096 C1			
		2 RING 631 240 C1)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DIVERTER VALVE



CE-96325

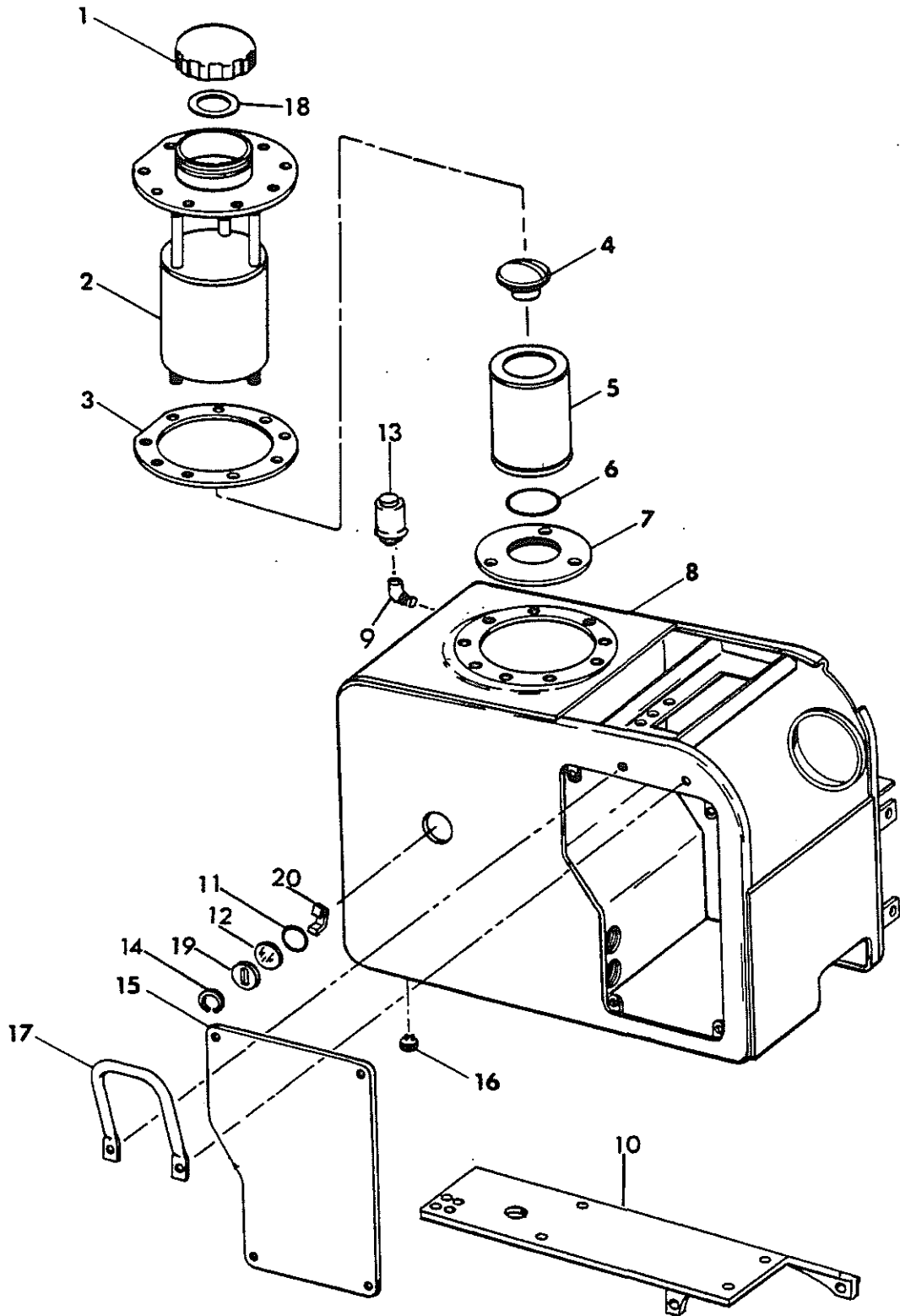
	625 094 C91	VALVE ASSEMBLY, diverter (For rear auxiliary circuit w/diverter valve)	3	669 544 R1	SEAL, quad ring (2)
	277 232 R1	BOLT (2)	4	\$	BODY
	9 413 953	NUT (2) (Composed of -	5	\$	SPOOL
1	669 545 R1	RING, snap (2)	6	138 489	WASHER, lock
2	634 856 C1	WASHER, back-up (2)	7	669 547 R1	ADAPTER, handle

HYDRAULICS

MEMORANDA

HYDRAULICS

HYDRAULIC RESERVOIR



CE-122537

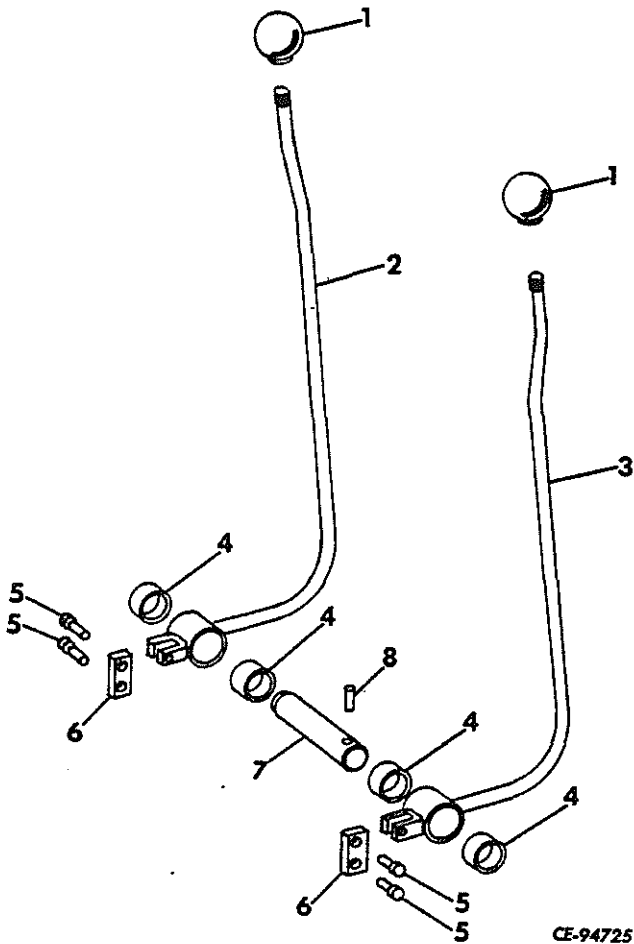
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC RESERVOIR – Continued			883 170 C91	KIT, seal repair (For VALVE, 657 882 C91) (Consists of -	
1	701 922 C2	CAP w/GASKET, 618 688 C2, filler		1 RING, lock	\$
2	623 011 C1	SHROUD, filter		1 SEAL, filter	\$
	140 483 H	SCREW, hex-hd cap (9)		1 SEAL, poppet	\$
	115 093	WASHER, lock (9)		1 SEAL, sleeve	\$)
3	623 012 C1	GASKET, shroud			
4	386 121 R92	VALVE, by-pass			
5	623 017 C1	ELEMENT, filter			
6	254 091 R1	"O" RING			
7	656 340 C1	PLATE, filter retainer			
	18 423 R1	NUT, Esna lock (3)			
8	706 825 C1	RESERVOIR, hydraulic			
	24 873 R1	SCREW, hex-hd cap (4)			
	25 537 R1	WASHER, flat (4)			
9	141 621	ELBOW			
10	668 199 C3	BRACKET, reservoir support			
	24 890 R1	BOLT (4)			
	25 548 R1	WASHER, hardened (4)			
11	22 288 R1	"O" RING			
12	656 104 C2	LENSE, sight gauge			
13	657 882 C91	VALVE, vacuum pressure relief (For service of seals order KIT, 883 170 C91)			
	OR				
13	659 078 C91	VALVE, vacuum pressure relief			
14	23 914 R1	RING, snap			
15	706 827 C1	PLATE, access			
	25 496 R1	SCREW, hex-hd cap (4)			
	115 093	WASHER, lock (4)			
16	280 668 R91	PLUG, magnetic			
17	621 629 C1	HANDLE, assist			
	25 496 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
18	618 688 C2	GASKET, filler cap			
19	656 105 C1	WASHER, guard			
20	656 106 C1	REFLECTOR			
	9 410 363	PLUG, 1" tube			
	296 247 R1	"O" RING, plug			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STEERING CONTROLS



1	264 097 R2	BALL, hand lever (2)
2	622 033 C91	LEVER w/two BEARING, 621 050 C91, LH steering hand
3	622 034 C91	LEVER w/two BEARING, 621 050 R91, RH steering hand
4	621 050 C91	BEARING (4)
5	432 759 435 864	PIN, rod end (4) PIN, cotter (4)
6	621 052 C1	LINK, steering lever (2)
7	621 051 R1	SHAFT, hand lever
8	357 557 R1	PIN, coil

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

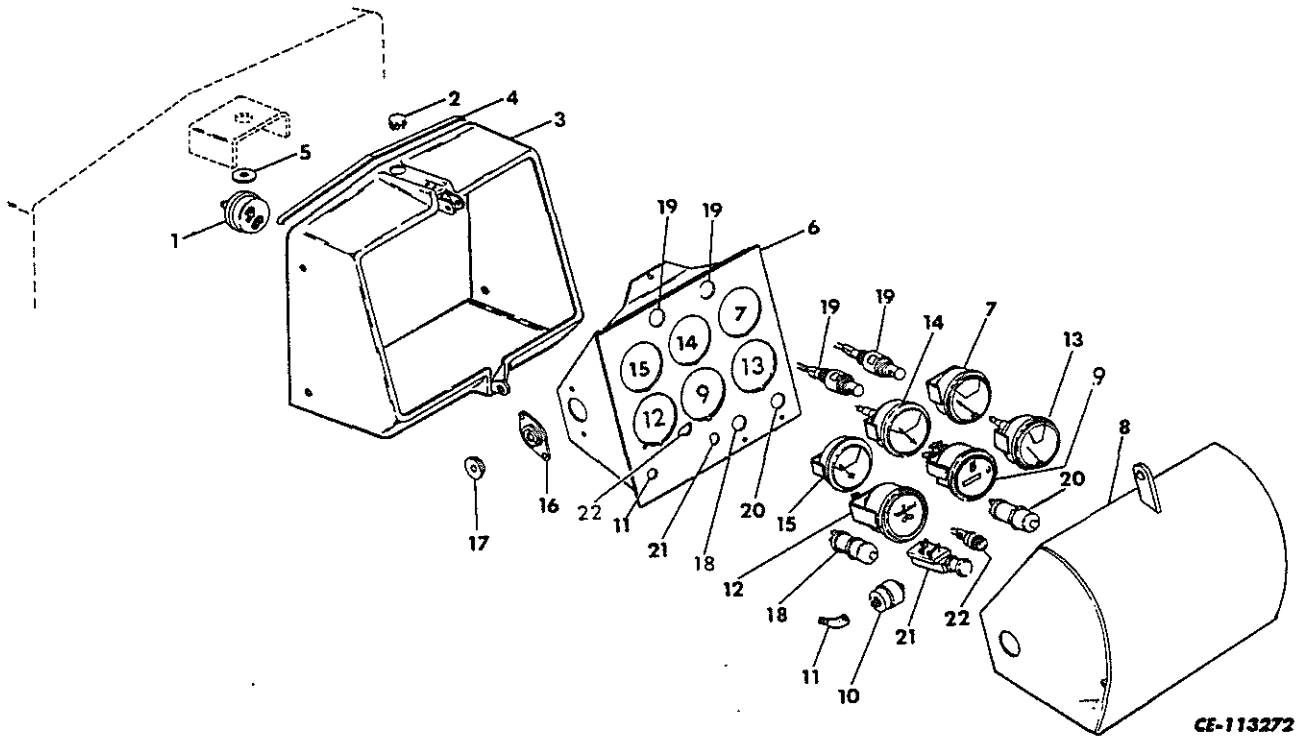
INSTRUMENTS

11

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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INSTRUMENTS AND INSTRUMENT PANEL



CE-113272

1	663 392 C1	SWITCH, hourmeter pressure	8	621 653 C1	GUARD, instrument panel
2	432 327	PLUG, instrument panel opening	9	709 152 C2	HOURMETER
3	621 639 C91	HOUSING w/SEAL, 621 646 C1, instrument panel	9	740 543 C1	HOURMETER
	26 309 R1	BOLT (4)	10	702 686 C1	INDICATOR, air cleaner filter
	25 534 R1	WASHER, flat (4)		142 619 H	WASHER, flat
4	621 646 C1	SEAL, housing	11	444 476	ELBOW, 90°
5	300 657 R1	WASHER, instrument panel	12	740 928 C1	AMMETER
6	668 411 C1	PANEL, instrument	13	739 692 C1	GAUGE, engine temperature
	19 592 R1	NUT (3)		384 559 R1	CLIP, water capillary tube (2)
	24 485 R1	BOLT, 1-1/4" long	14	668 499 C1	GAUGE, torque converter oil temperature
	25 487 R1	BOLT, 1-1/2" long (2)		OR	
7	713 167 C1	GAUGE, engine oil pressure (Optional with GAUGE, 706 003 C1)	14	715 670 C1	GAUGE, torque converter oil temperature
7	706 003 C1	GAUGE, engine oil pressure (Optional with GAUGE, 713 167 C1)	15	713 262 C1	GAUGE, clutch oil pressure
				OR	
			15	715 624 C1	GAUGE, clutch oil pressure

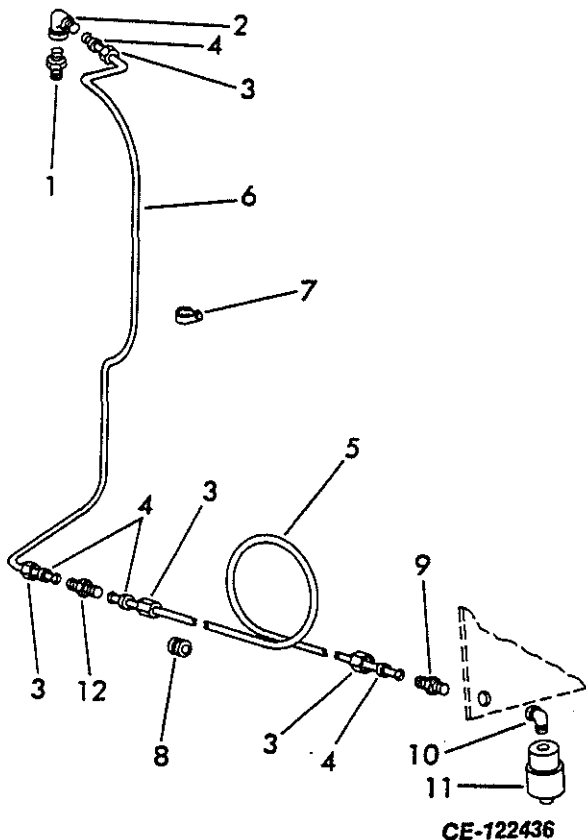
INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENTS AND INSTRUMENT PANEL – Continued					
16	621 651 C1	MOUNT, vibration (3)			
	103 092	NUT (6)			
	132 760	SCREW, hex-hd cap (6)			
	115 544	WASHER, lock (6)			
17	621 652 C1	SPACER, guard (2)			
18		SWITCH, ether starting (Refer to "STARTING AND ETHER STARTING SWITCH")			
19		LAMP, instrument panel (Refer to "ELECTRIC STARTING AND LIGHTING")			
20		SWITCH, starting (Refer to "STARTING AND ETHER STARTING SWITCH")			
21		SWITCH, lighting (Refer to "LIGHTING SWITCH")			
22		HOUSING, fuse (Refer to "ELEC- TRIC STARTING AND LIGHT- ING")			
	384 559 R1	CLIP, oil temperature gauge capil- lary tube (On TC housing mount- ing flange 2nd from top and bottom on LH side) (2)			
	118 833	GROMMET, capillary tube			

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER INDICATOR PIPING



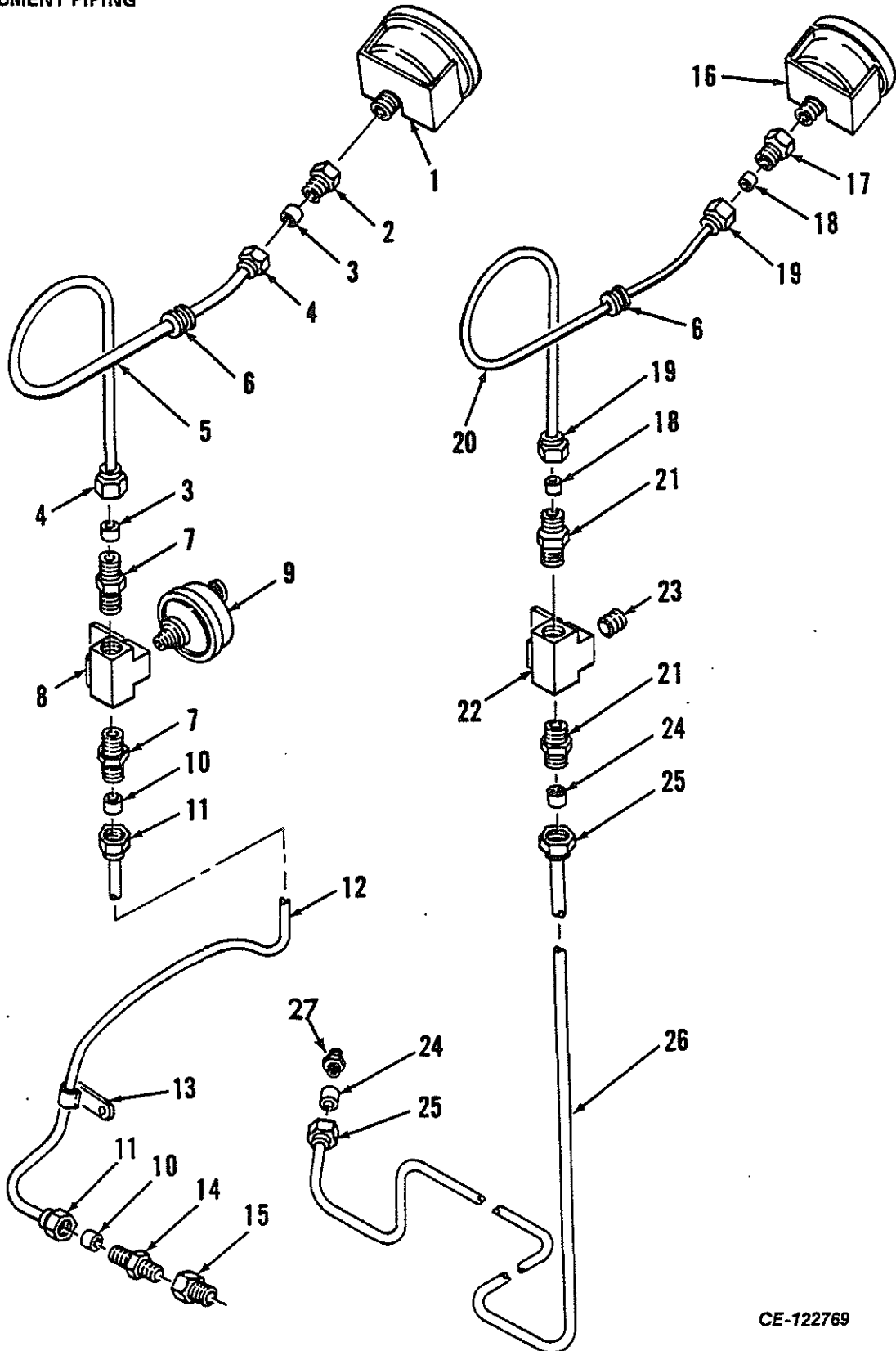
10		ELBOW (Refer to "INSTRUMENTS AND INSTRUMENT PANEL")			
11		INDICATOR, air cleaner (Refer to "INSTRUMENTS AND INSTRUMENT PANEL")			
12	739 798 C1	UNION			

1	1 104 135 C1	ADAPTER, air cleaner filter indicator			
2	610 040 C1	ELBOW, air cleaner indicator tube			
3	606 925 C1	NUT, tube (4)			
4	606 926 C1	SLEEVE, tube (4)			
5	739 800 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, upper air cleaner filter indicator			
6	739 799 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, lower air cleaner filter indicator			
7	366 460 R1	CLAMP, tube (On rear ether injector mounting bracket bolt)			
8	63 323 D	GROMMET			
9	606 999 C1	CONNECTOR			

INSTRUMENTS

MEMORANDA

INSTRUMENT PIPING



CE-122769

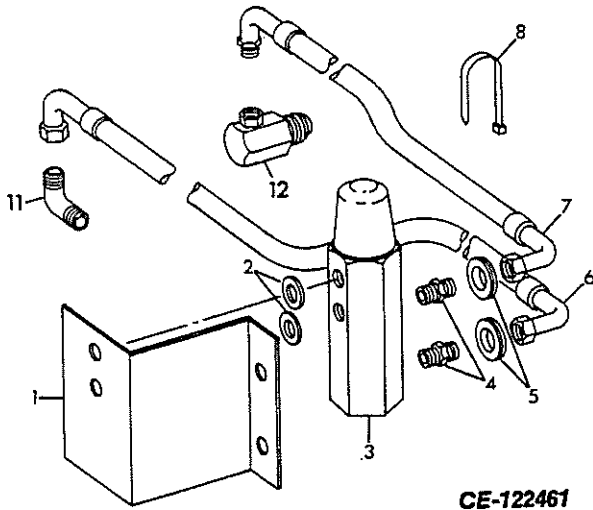
INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENT PIPING -- Continued			22	622 702 C1 25 752 R1 115 109	TEE, clutch oil pressure BOLT WASHER, lock
1		GAUGE, engine oil pressure (Refer to "INSTRUMENTS AND INSTRUMENT PANEL")	23	444 652	PLUG, sq-soc-hd pipe
2	610 858 C1	ADAPTER, engine oil pressure gauge	24	606 926 C1	SLEEVE, tube (2)
3	606 926 C1	SLEEVE, tube (2)	25	606 925 C1	NUT, tube (2)
4	606 925 C1	NUT, tube (2)	26	733 091 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, lower clutch oil pressure
5	621 660 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, upper engine oil pressure	27	606 927 C1	ELBOW, lower clutch oil pressure tube to regulator valve tee
6	63 323 D	GROMMET (2)			
7	606 999 C1	CONNECTOR, engine oil pressure tube to tee (2)			
8	622 702 C1 25 752 R1 115 109	TEE, engine oil pressure BOLT WASHER, lock			
9		SWITCH, hourmeter pressure (Refer to "INSTRUMENTS AND INSTRUMENT PANEL")			
10	606 926 C1	SLEEVE, tube (2)			
11	606 925 C1	NUT, tube (2)			
12	622 998 C92	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, lower engine oil pressure			
13	384 554 R1	CLIP, tube			
14	606 999 C1	CONNECTOR, lower engine oil pressure tube			
15	444 024	BUSHING, reducing			
16		GAUGE, clutch oil pressure (Refer to "INSTRUMENTS AND INSTRUMENT PANEL")			
17	610 858 C1	ADAPTER, clutch oil pressure gauge			
18	606 926 C1	SLEEVE, tube (2)			
19	606 925 C1	NUT, tube (2)			
20	621 660 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, upper clutch oil pressure			
21	606 999 C1	CONNECTOR, clutch oil pressure tube to tee (2)			

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSMISSION PRESSURE FILTER INDICATOR AND PIPING



10		ELBOW, pressure filter outlet (Refer to "TRANSMISSION AND TORQUE CONVERTER PIPING")			
11	346 737 R1	ELBOW, 90°, at filter inlet			
12	293 349 R91	ELBOW, on filter outlet			
		PRODUCT GRAPHIC, pressure filter indicator (Refer to "PRODUCT GRAPHICS")			

679 383 C91 ATTACHMENT, pressure filter indicator (See NOTE 1)

1	715 883 C1	BRACKET, indicator mounting			
	25 222 R1	BOLT, 3/4" long (2)			
	26 673 R1	BOLT, 1/2" long (2)			
	25 519 R1	NUT (2)			
	25 542 R1	WASHER, flat (4)			
	115 109	WASHER, lock (2)			
2	715 753 C1	WASHER, insulator (2)			
3	715 647 C1	INDICATOR, pressure filter			
4	9 402 706	CONNECTOR, tube at indicator and filter (2)			
5	617 259 C1	GROMMET, on dash behind indicator (2)			
6	736 065 C1	HOSE w/FITTINGS, filter inlet to "HI" on indicator (Hose, 3/16" ID x 94" long including fittings)			
7	653 526 C2	HOSE w/FITTINGS, filter outlet to "LO" on indicator (Hose, 3/16" ID x 99" long including fittings)			
8	306 132 C1	STRAP, indicator to filter hose (8)			
9		CONNECTOR, pressure filter inlet (Refer to "TRANSMISSION AND TORQUE CONVERTER PIPING")			

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

This section contains service parts for engine mounting, fuel tank and lines and certain accessories. For engine parts not found in this catalog, refer to the EPC-239 Parts catalog.

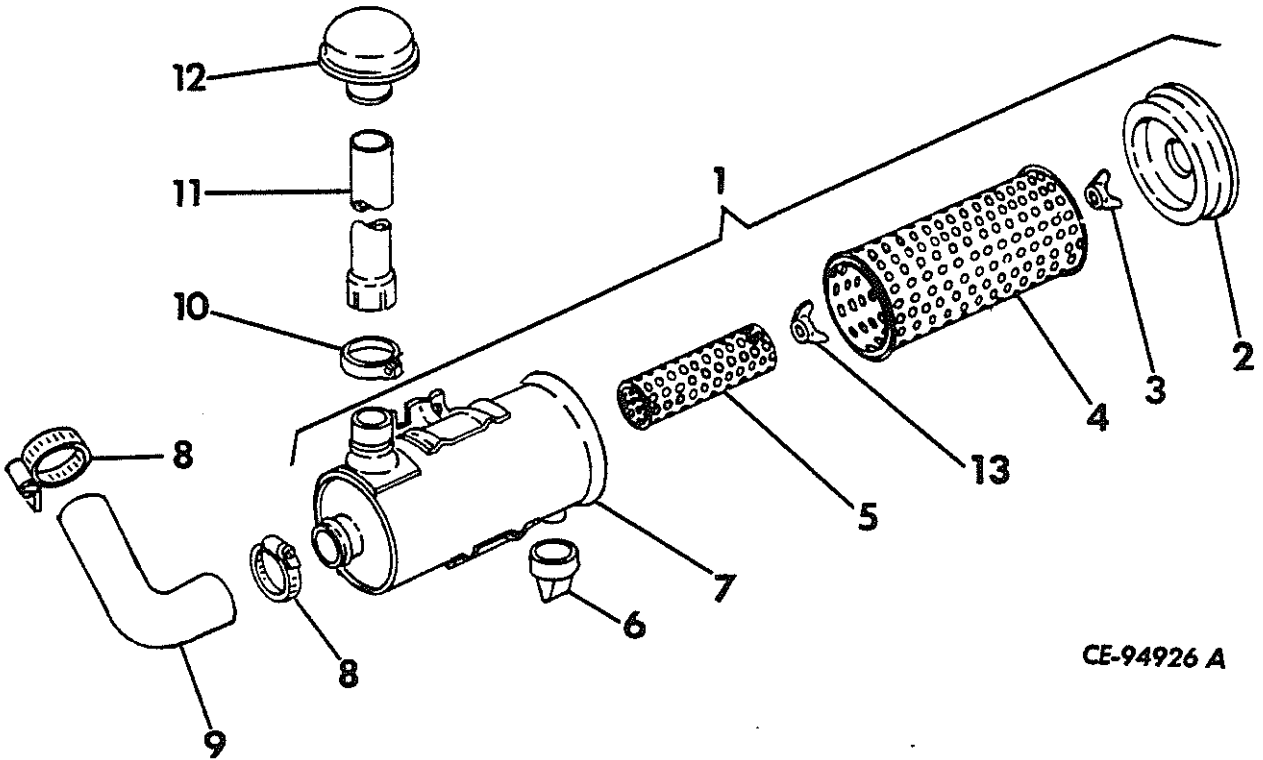
POWER

12

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER AND CONNECTIONS



CE-94926 A

1	622 041 C91	CLEANER ASSEMBLY, air	8	690 106 C1	CLAMP, air cleaner outlet elbow (2)
	24 849 R1	BOLT (4)			
	25 524 R1	NUT (2)			
	115 314	WASHER, lock (4)	9	685 794 C2	HOSE, air cleaner outlet
	25 545 R1	WASHER, flat (4)			
2	625 040 C1	COVER w/NUT, element	10	663 432 C1	CLAMP, air intake pipe
3	381 342 R92	NUT w/GASKET, element wing		24 841 R1	SCREW, hex-hd cap
4	625 041 C1	ELEMENT, outer		115 093	WASHER, lock
5	625 042 C1	ELEMENT, inner		25 522 R1	NUT
6	850 470 C1	VALVE, vacuator	11	622 043 C1	PIPE, air intake extension
7	\$	BODY	12	49 464 DA	CAP, weather
			13	381 342 R92	NUT w/GASKET, element wing

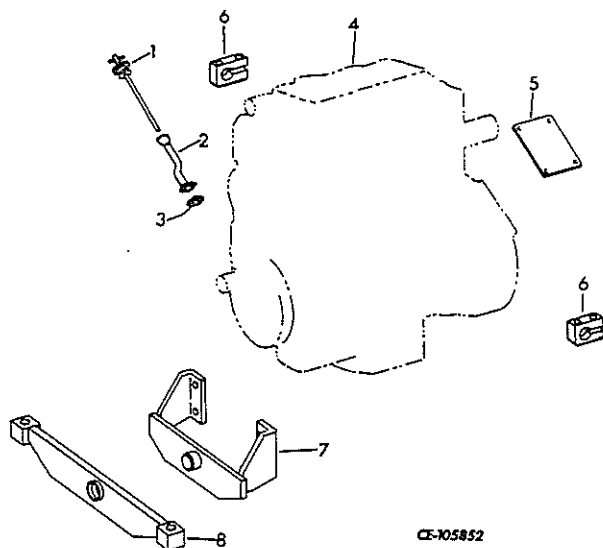
POWER

REF. NO.	PART NUMBER	DESCRIPTION
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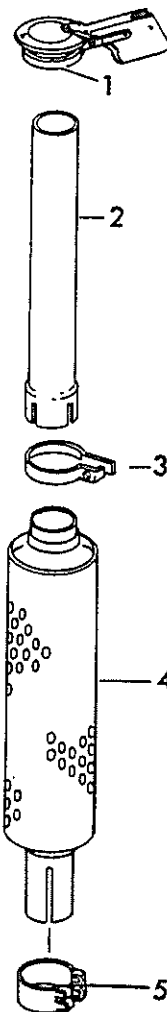
REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE MOUNTS, OIL FILLER AND GAUGE

ENGINE EXHAUST



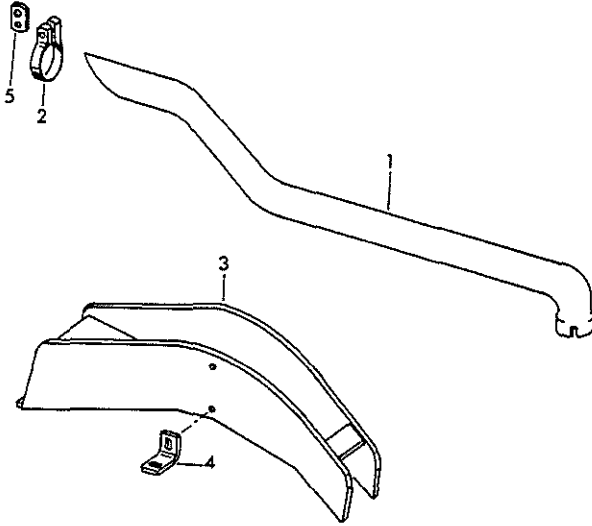
- 1 672 520 C1 GAUGE, oil level
- 2 672 512 C1 TUBE, oil filler and oil level gauge dipstick
 24 840 R1 SCREW, hex-hd cap (2)
 115 093 WASHER, lock (2)
- 3 672 515 C1 GASKET, oil filler tube
- 4 D-239 ENGINE, for service parts refer to Engine Parts Catalog EPC-239
- 5 621 711 C1 COVER, flywheel housing inspection
 24 839 R1 SCREW, hex-hd cap (4)
 115 093 WASHER, lock (4)
- 6 621 719 C1 BLOCK, rear engine mounting (2)
 25 739 R1 SCREW, hex-hd cap (4)
 25 546 R1 WASHER (4)
- 7 621 712 C2 BRACKET, engine front support
 25 336 R1 SCREW, hex-hd cap (4)
 25 547 R1 WASHER, flat (4)
- 8 621 720 C1 SUPPORT, front engine
 25 340 R1 SCREW, hex-hd cap (2)
 25 547 R1 WASHER, flat (2)



- 1 734 400 C91 CAP, lockable exhaust rain
- 2 706 490 C2 PIPE, exhaust
- 3 527 704 R2 CLAMP, exhaust pipe
- 4 652 499 C3 MUFFLER
- 4 688 066 C2 MUFFLER, spark arresting
- 5 685 795 C1 CLAMP, exhaust muffler
 277 232 R1 BOLT
 25 522 R1 NUT
 25 896 R1 WASHER, flat (4)
 115 093 WASHER, lock (2)
- 632 290 C91 ATTACHMENT, lockable exhaust rain cap
 (Consists of CAP, 717 396 C91)

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
EXHAUST PIPE EXTENSION			5	652 869 C2	PLATE, hanger
				625 875 C1	MOUNT (%)
				709 242 C1	BUSHING, hanger plate
				24 844 R1	SCREW, hex-hd cap
				25 553 R1	WASHER, .406" flat (2)
				25 538 R1	WASHER, .812" flat
				103 326	WASHER, 3/8" lock
				9 413 979	NUT, 3/8" lock
				25 522 R1	NUT, 3/8" (%)



CF-100916

632 746 C92 ATTACHMENT, exhaust pipe extension (Machine must be equipped w/ROPS canopy) (Part of FORESTRY PACKAGE, 632 753 C91) (See NOTE 1) (Consists of -

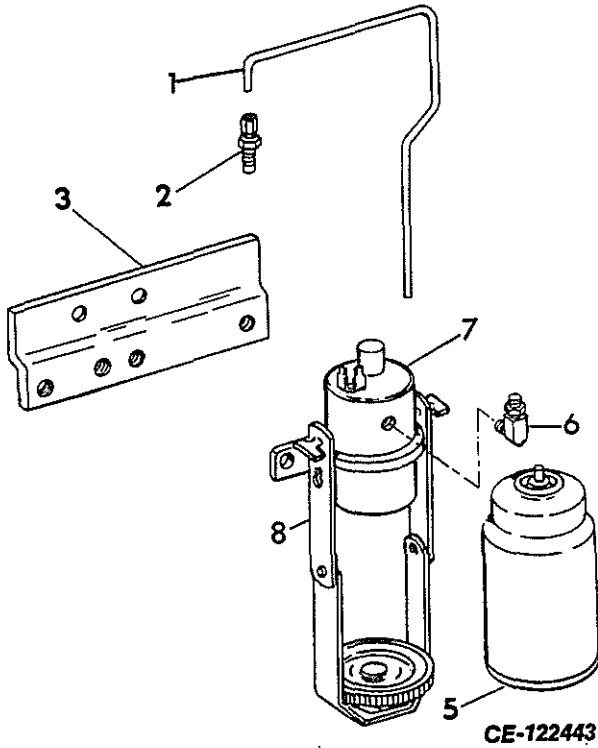
- 1 706 049 C3 EXTENSION, exhaust pipe
- 2 652 868 C1 CLAMP, exhaust pipe
 - 275 804 R1 BOLT
 - 25 544 R1 WASHER, .406" flat (2)
 - 709 271 C1 WASHER, .390" spring
 - 25 896 R1 WASHER, .406" flat
 - 9 413 979 NUT, 3/8" lock
 - 25 522 R1 NUT, 3/8" (%)
- 3 652 862 C3 GUARD, exhaust pipe
 - 24 861 R1 SCREW, hex-hd cap (2)
 - 25 536 R1 WASHER, flat (2)
 - 25 526 R1 NUT (2)
- 4 708 000 C1 ANGLE, mounting (2)
 - 24 861 R1 SCREW, 1-1/4" long hex-hd cap (4)
 - 25 526 R1 NUT (4)
 - 25 546 R1 WASHER, flat (4)

(%) - Used with EXHAUST PIPE EXTENSION ATTACHMENT, 632 746 C91.

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ETHER INJECTOR, BRACKET AND NOZZLE

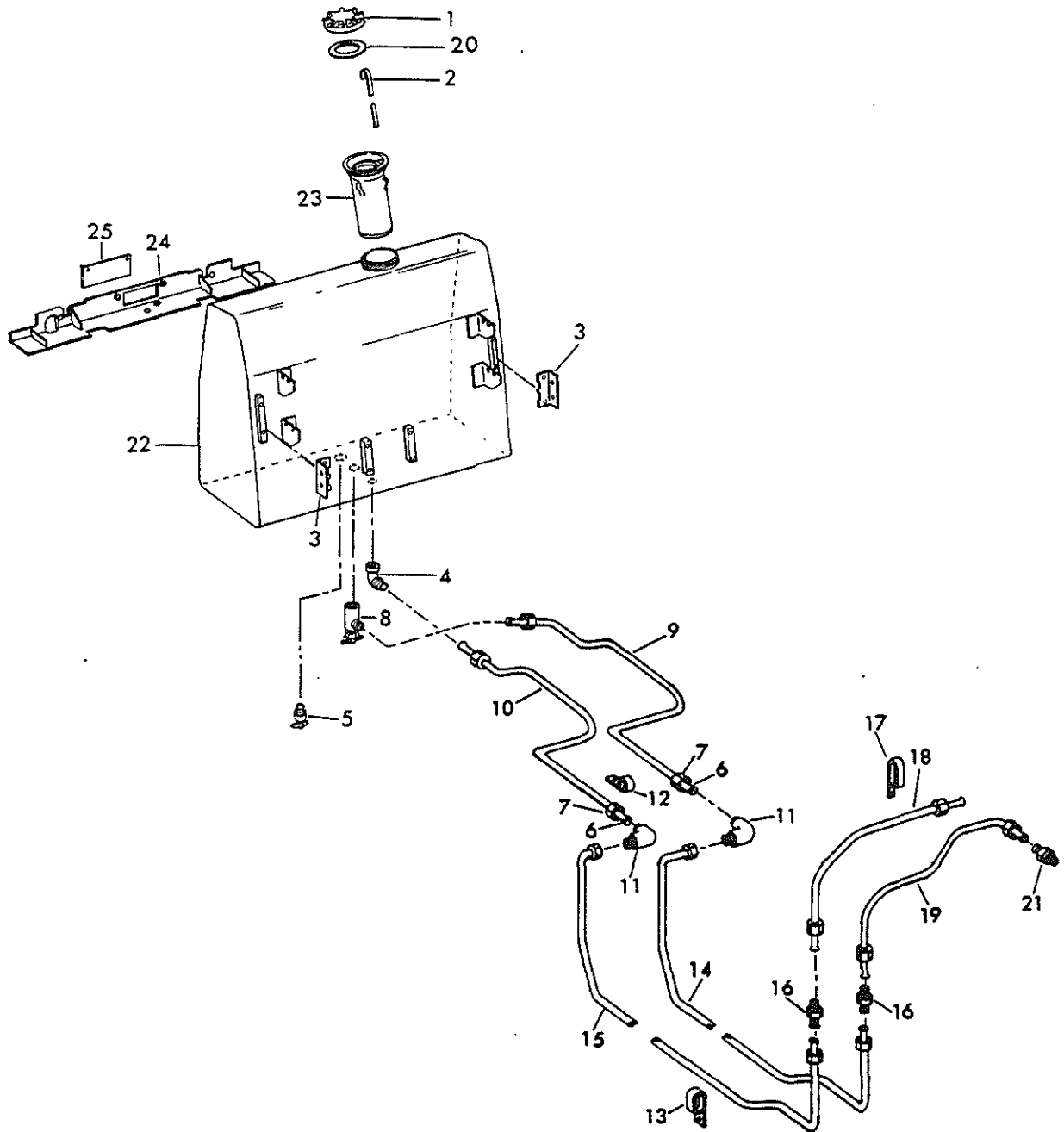


1	622 980 C1	TUBE, ether
2	650 866 C1	NOZZLE, ether (Mounted on intake manifold)
3	628 113 C1	BRACKET, ether injector mount
	24 841 R1	SCREW, hex-hd cap (2)
	115 093	WASHER, lock (2)
	617 113 C1	SPACER, ether bracket (2)
4	736 459 C92	INJECTOR, electric ether
	25 493 R1	BOLT (2)
	116 120	WASHER, lock (2)
5		CAN, starting fluid (Pressurized) (Order Part No. 1213 form Precision Specialties Division, 199 East Second Street, Mineola, New York, 11501)
6	\$	ELBOW, check valve
7	736 459 C92	INJECTOR w/BAIL, 736 473 C1 and check valve elbow
	25 493 R1	BOLT (2)
	116 120	WASHER, lock (2)
8	736 473 C1	BAIL, ether solenoid

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FUEL TANK, MOUNTING AND PIPING



CE-122538

1	701 922 C2	CAP w/GASKET, 618 688 C2, fuel tank filler	4	333 774 R1	ELBOW, fuel return tube at tank
2	611 409 C1	DIPSTICK, fuel tank	5	31 729 D	VALVE, fuel tank drain
3	621 626 C1	ANGLE, tank mounting (2)	6	265 204 R1	SLEEVE, tube (12)
	25 547 R1	WASHER, hardened (8)	7	265 205 R1	NUT, tube (12)
	24 872 R1	SCREW, hex-hd cap (8)			

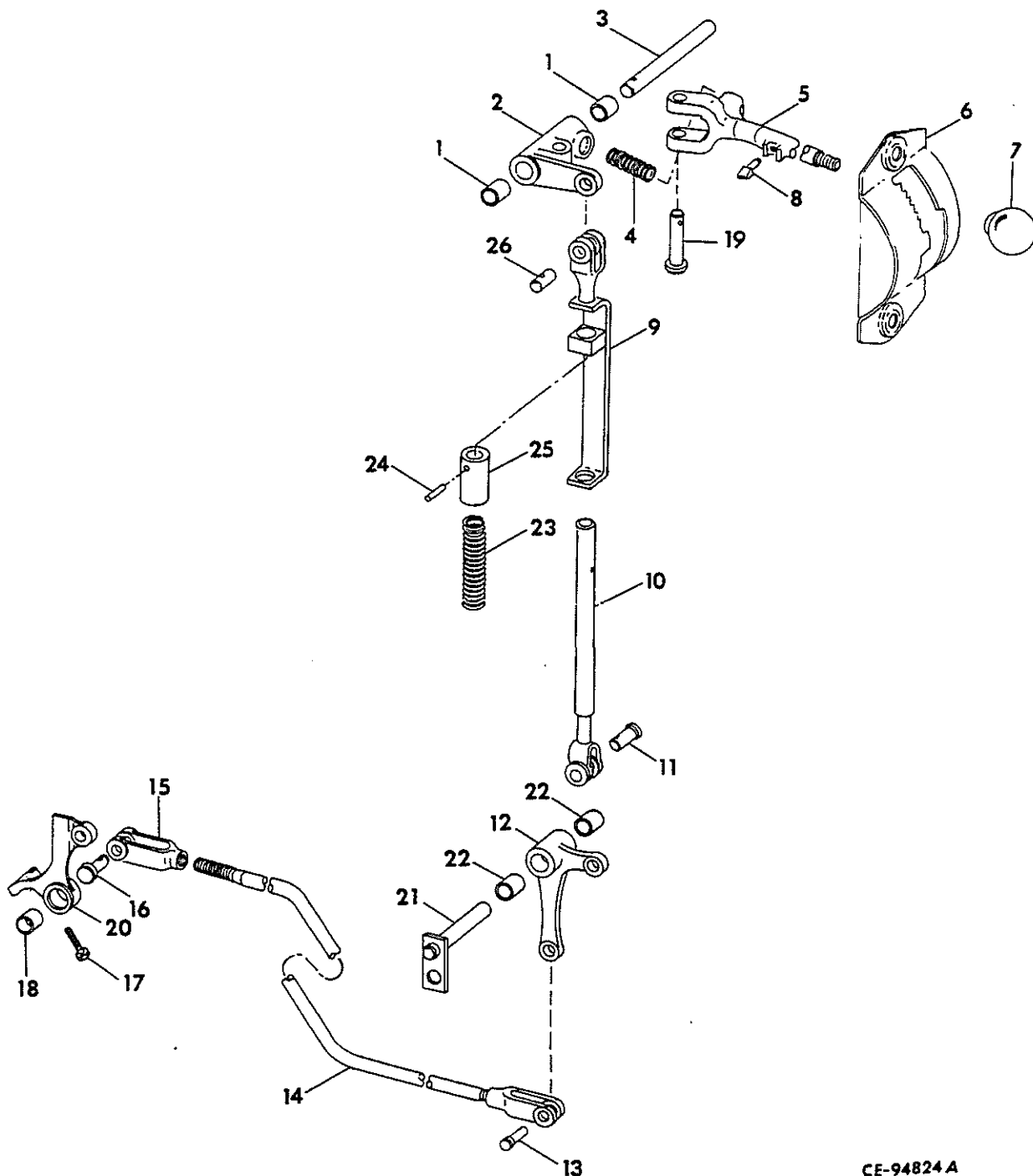
POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK, MOUNTING AND PIPING – Continued			24		COVER, rear sheet (Order ATTACHMENT, 706 165 C91)
8	650 443 C92	VALVE, fuel tank shut-off		275 635 R1	SCREW, hex-hd cap (2)
				25 546 R1	WASHER, flat (2)
				525 927 R2	SPACER (2)
9	710 773 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, rear fuel supply	25	706 158 C1	COVER, access (Part of ATTACHMENT, 706 165 C91)
				26 310 R1	SCREW, hex-hd cap (2)
				25 534 R1	WASHER (2)
10	710 774 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, rear fuel return		706 165 C91	ATTACHMENT, fuel tank bottom guard (Part of FORESTRY PACKAGE, 632 753 C91) (See NOTE 1)
11	610 694 C1	ELBOW, fuel return and supply tubes (2)			
12	299 404 C1	CLAMP, tube (2)			
	24 843 R1	BOLT			
S	5 375	SPACER			
	115 093	WASHER, lock			
13	706 333 C1	CLAMP, fuel tubes (2)			
	24 838 R1	BOLT (2)			
	115 093	WASHER, lock (2)			
14	710 772 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, middle fuel supply			
15	710 771 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, middle fuel return			
16	603 867 C1	UNION, fuel return and supply tubes (2)			
17	608 244 C1	CLAMP, tube (On air cleaner support plate)			
	24 839 R1	BOLT			
	25 522 R1	NUT			
	115 093	WASHER			
18	713 036 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel return			
	632 207 C1	HOSE, tube protector			
19	713 034 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, front fuel supply			
	632 207 C1	HOSE, tube protector			
20	618 688 C2	GASKET, fuel tank filler cap			
21	606 819 C1	CONNECTOR, fuel tube to filter			
22	621 578 C92	TANK w/CAP, 701 922 C2, fuel			
	24 886 R1	SCREW, hex-hd cap (2)			
	13 611 VA	WASHER, flat (2)			
23	732 432 C1	STRAINER, fuel tank filler			
	354 836 R1	"O" RING			

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE AND GOVERNOR CONTROLS



CE-94824 A

1	622 085 C1	BUSHING, hand lever hub (2)	4	261 650 R1	SPRING, hand lever
2	622 083 C91	HUB w/two BUSHING, 622 085 C1, hand lever	5	622 081 C91	LEVER w/PAWL, 251 846 R1, governor control hand
3	622 086 C1 103 386	SHAFT, hand lever hub PIN, cotter	6	622 107 C1 25 524 R1 115 314	HOUSING, governor control NUT (2) WASHER, lock (2)

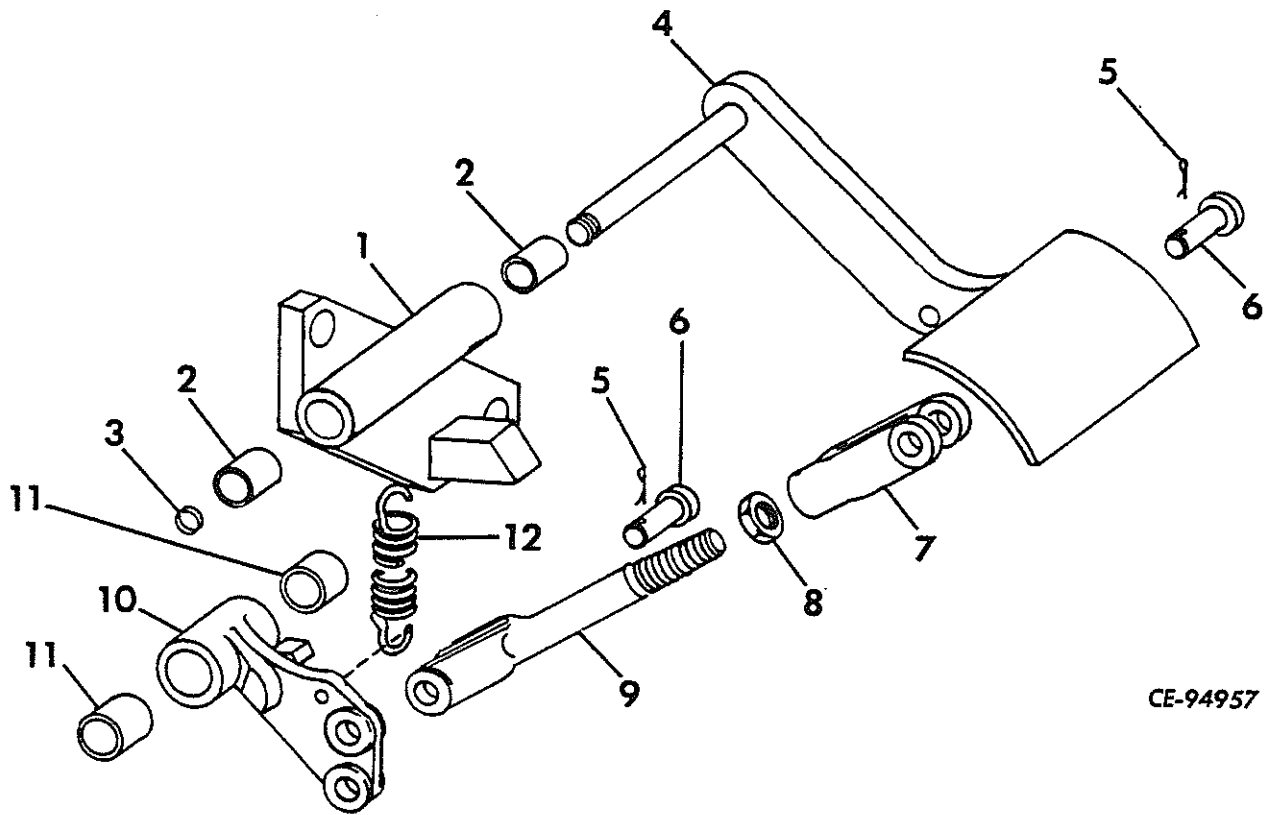
POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE AND GOVERNOR CONTROLS – Continued					
7	264 097 R2	KNOB, governor control hand lever			
8	251 846 R1	PAWL, hand lever			
9	622 087 C1	BODY, control lever override			
10	622 109 C1	ROD, governor control lever override			
11	103 496 107 762	PIN, override to bellcrank PIN, cotter			
12	622 112 C91	BELLCRANK w/two BUSHING, 622 085 C1, governor control			
13	103 496 107 762	PIN, injection pump rod at bellcrank PIN, cotter			
14	706 011 C1	ROD, injection pump			
15	104 038 25 934 R1	CLEVIS, injection pump rod NUT, jam			
16	103 496 107 762	PIN, injection pump rod clevis PIN, cotter			
17	652 442 C1 25 930 R1	BOLT, lever adjusting NUT, jam			
18	622 085 C1	BUSHING, injection pump lever			
19	35 229 H 107 762	PIN, governor control lever rod end PIN, cotter			
20	632 717 C91 103 385 18 927 H	LEVER w/BUSHING, 622 085 C1, injection pump PIN, cotter WASHER, flat			
21	622 114 C1 25 522 R1 115 093	SHAFT, bellcrank NUT WASHER, lock			
22	622 085 C1	BUSHING, governor control bellcrank (2)			
23	652 435 C1	SPRING, lever override compression			
24	19 938 R1	PIN, override stop block spring roll			
25	622 093 C1	BLOCK, override spring stop			
26	622 090 C1 103 386	PIN, override to control lever PIN, cotter			

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DECELERATOR



CE-94957

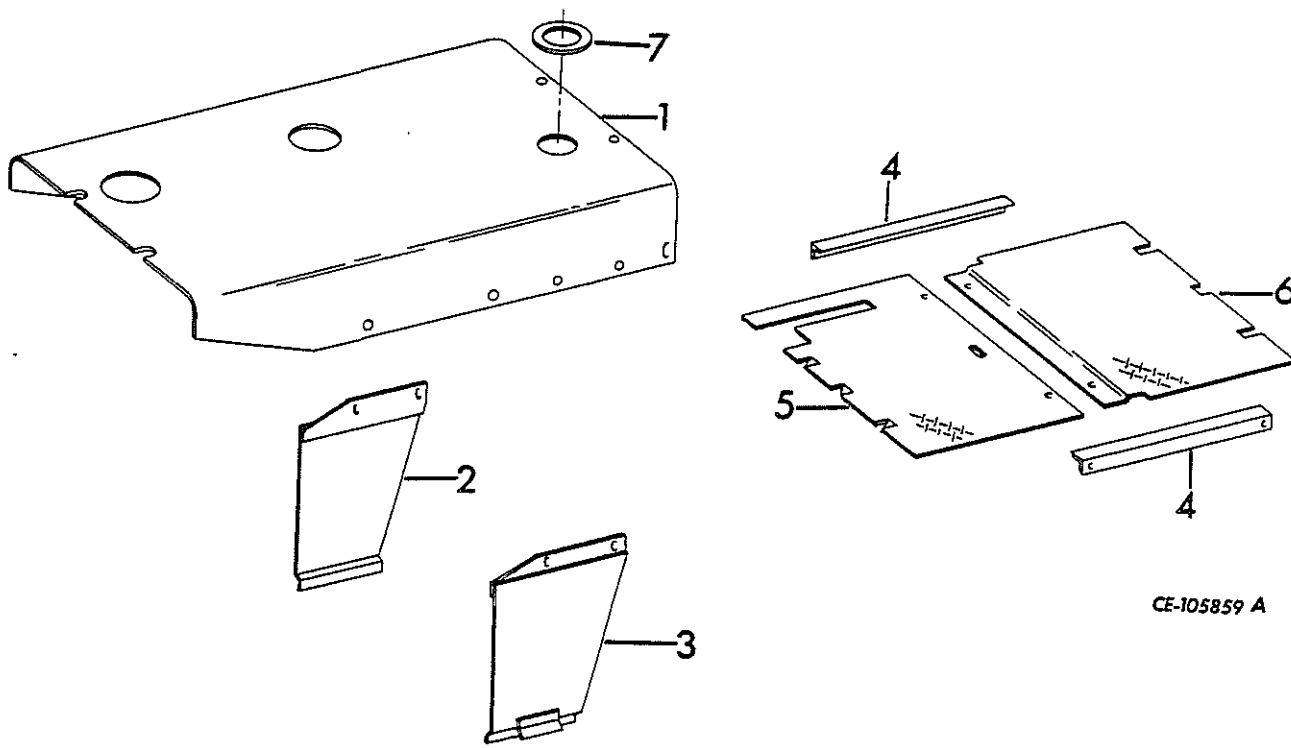
1	622 755 C91	SUPPORT w/two BUSHING, 327 465 R1, decelerator pedal	7	104 038	CLEVIS, adjustable
	24 861 R1	BOLT (2)	8	25 934 R1	NUT, jam
	25 526 R1	NUT (2)	9	622 127 C1	ROD, foot pedal
	116 121	WASHER, lock (2)	10	622 129 C91	LEVER w/two BUSHING, 622 085 C1, override actuating
2	327 465 R1	BUSHING, support (2)	11	622 085 C1	BUSHING, lever (2)
3	324 653 R1	RING, snap	12	300 486 R1	SPRING, foot pedal return
4	652 019 C1	PEDAL, decelerator			
5	107 762	PIN, cotter (2)			
6	103 496	PIN, rod end (2)			

**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HOOD AND PLATFORMS



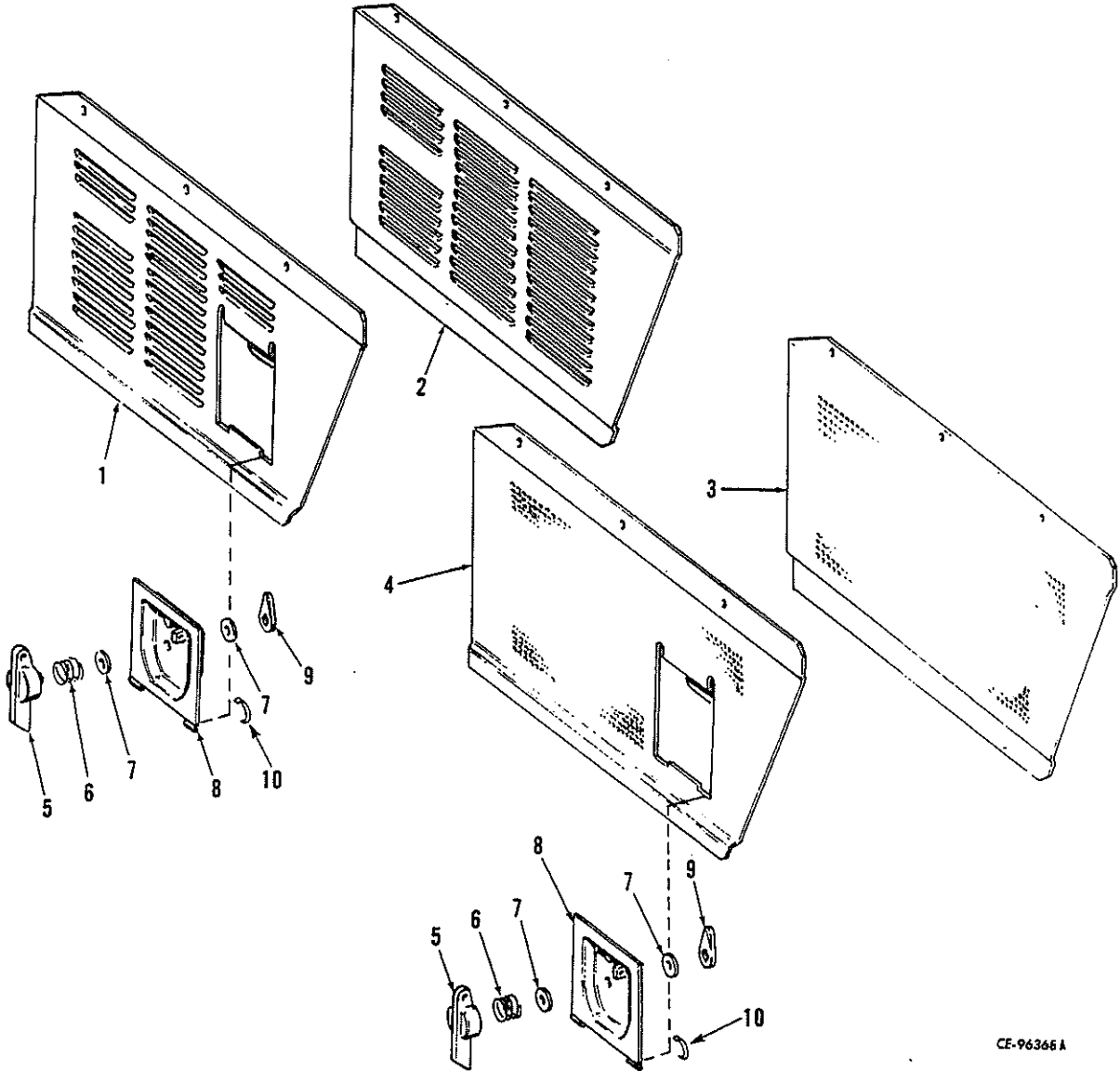
CE-105859 A

1	663 370 C2	HOOD (Not perforated)	4	621 984 C1	ANGLE, platform support (2)
1	663 372 C2	HOOD (Perforated) (Part of ATTACHMENT, 632 750 C91) (Not for backhoe models)	26 316 R1	BOLT (4)	
	334 951 R1	WASHER, hood sheet pilot (2)	25 536 R1	WASHER, hardened (4)	
	26 317 R1	BOLT, patch			
	116 121	WASHER, lock (4)	5	663 148 C1	PLATFORM, front
	25 555 R1	WASHER, hardened (6)	26 316 R1	BOLT (2)	
			25 555 R1	WASHER, hardened (2)	
2		NOT USED IN THIS APPLICATION	6	663 147 C1	PLATFORM, rear
3		NOT USED IN THIS APPLICATION	7	679 070 C1	SEAL, air stack

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HOOD SIDE DOORS

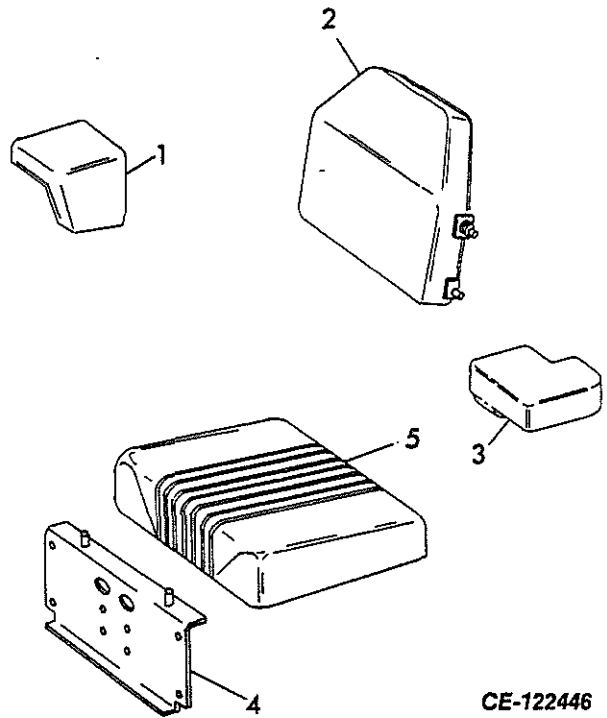


CE-96366 A

1	622 467 C91 - DOOR-RH, hood side (Composed of -		2	622 466 C1 DOOR-LH, hood side	
	1 DOOR	\$		26 309 R1 BOLT (3)	
	1 HANDLE	622 539 C1		25 553 R1 WASHER, flat (3)	
	1 PAWL	622 541 C1	3	622 551 C1 DOOR-LH, hood side (For forestry enclosure) (Part of ATTACHMENT, 632 750 C91) (Not for backhoe models)	
	1 SPRING	562 008 R1		26 309 R1 BOLT (3)	
	1 SPRING	652 104 C1		25 553 R1 WASHER, flat (3)	
	2 WASHER	622 540 C1)			
	26 309 R1 BOLT (3)				
	25 553 R1 WASHER, flat (3)				

SUPERSTRUCTURE

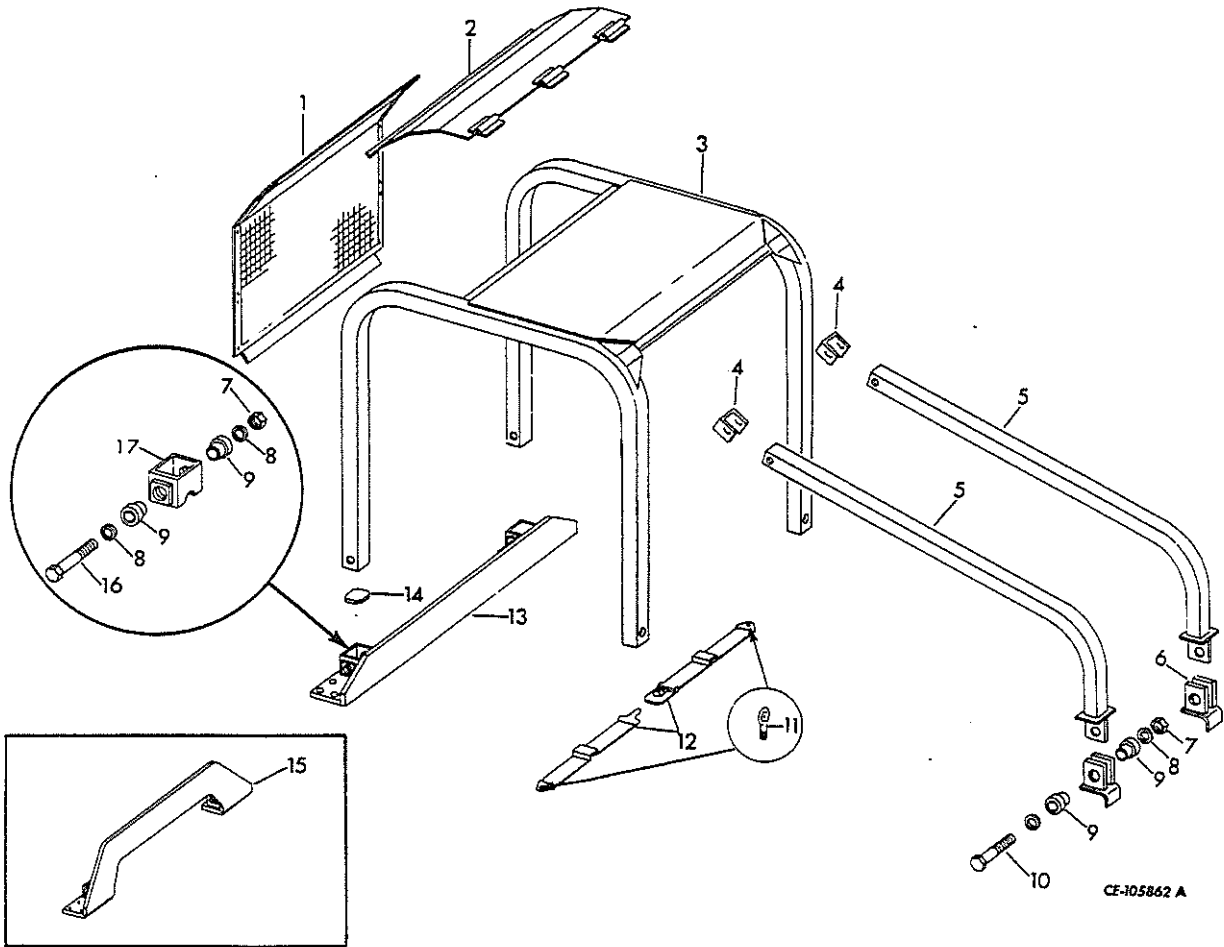
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HOOD SIDE DOORS — Continued			SEAT AND MOUNTING		
4	622 552 C91	DOOR-RH, hood side (For forestry enclosure) (Part of ATTACHMENT, 632 750 C91) (Not for backhoe models) (Composed of - 1 DOOR \$ 1 PAWL 622 541 C1 1 HANDLE 622 539 C1 1 SPRING 562 008 R1 1 SPRING 652 104 C1 2 WASHER 622 540 C1) 26 309 R1 BOLT (3) 25 553 R1 WASHER, flat (3)			
5	622 539 C1	HANDLE, locking			
6	562 008 R1	SPRING, locking handle			
7	92 779 R1	WASHER, locking handle (2)			
8	632 262 C91	DOOR w/HINGE ENGINE SIDE ENCLOSURE ACCESS (Composed of - 1 DOOR w/HINGE \$ 1 HANDLE 622 539 C1 1 PAWL 622 541 C1 1 SCREW 24 839 R1 1 SPRING 562 008 R1 1 WASHER 28 035 K 2 WASHER 92 779 R1 1 WASHER 114 606) 24 860 R1 BOLT 25 526 R1 NUT 180 491 WASHER, heavy int. tooth lock			
9	622 541 C1	PAWL, locking			
	24 839 R1	BOLT			
	114 606	WASHER, lock			
	28 035 K	WASHER, flat			
10	652 104 C1	SPRING, access door			
	632 750 C91	ATTACHMENT, engine enclosure (Part of FORESTRY PACKAGE, 632 753 C91) (See NOTE 1) (Composed of - 6 BOLT 26 309 R1 1 DOOR 622 551 C1 1 DOOR 622 552 C91 1 HOOD 663 372 C2 1 SEAL 679 070 C1 6 WASHER 25 553 R1 1 PAM-PHLET 1 084 015 R1)			
					CE-122446
			1	621 622 C1	CUSHION-RH, seat side
				24 840 R1	BOLT (2)
				115 093	WASHER, lock (2)
				25 534 R1	WASHER, flat (2)
			2	621 620 C1	CUSHION, seat back
			3	709 283 C1	CUSHION-LH, seat side
				24 840 R1	SCREW, hex-hd cap (2)
				115 093	WASHER, lock (2)
				25 534 R1	WASHER, flat (2)
			4	621 494 C1	SUPPORT-Front seat
				24 860 R1	SCREW, hex-hd cap (4)
				116 121	WASHER, lock (4)
				103 343	WASHER, flat (4)
			5	621 619 C1	CUSHION, seat bottom



SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CANOPY, FRONT SWEEP, MOUNTS AND SAFETY SEAT BELT



CE-105862 A

A	622 509 C91	ATTACHMENT, seat belt (See NOTE 3)	G	632 563 C91	ATTACHMENT, roof extension (Part of FORESTRY PACKAGE, 632 753 C91) (See NOTE 3)
B	632 566 C91	ATTACHMENT, canopy (Rollover protective structure) w/seat belt (See NOTE 2)	1	705 550 C1	SCREEN, rear (F)
C	632 561 C91	ATTACHMENT, canopy rear mount (Standard) (See NOTE 3)		24 869 R1	BOLT (6)
D	632 562 C91	ATTACHMENT, canopy rear mount (Arched) (See NOTE 2)		26 555 R1	WASHER (12)
E	632 565 C92	ATTACHMENT, front sweeps (Part of FORESTRY PACKAGE, 632 753 C91) (See NOTE 2)		25 526 R1	NUT (6)
F	632 564 C91	ATTACHMENT, rear screen (Part of FORESTRY PACKAGE, 632 753 C91) (See NOTE 2)	2	705 551 C1	PLATE, roof extension (G)
				24 869 R1	BOLT (2)
				25 555 R1	WASHER, flat (6)
				25 526 R1	NUT (2)
			3	\$	CANOPY (Rollover protective structure) (B)
				145 373	SCREW (2)

SUPERSTRUCTURE

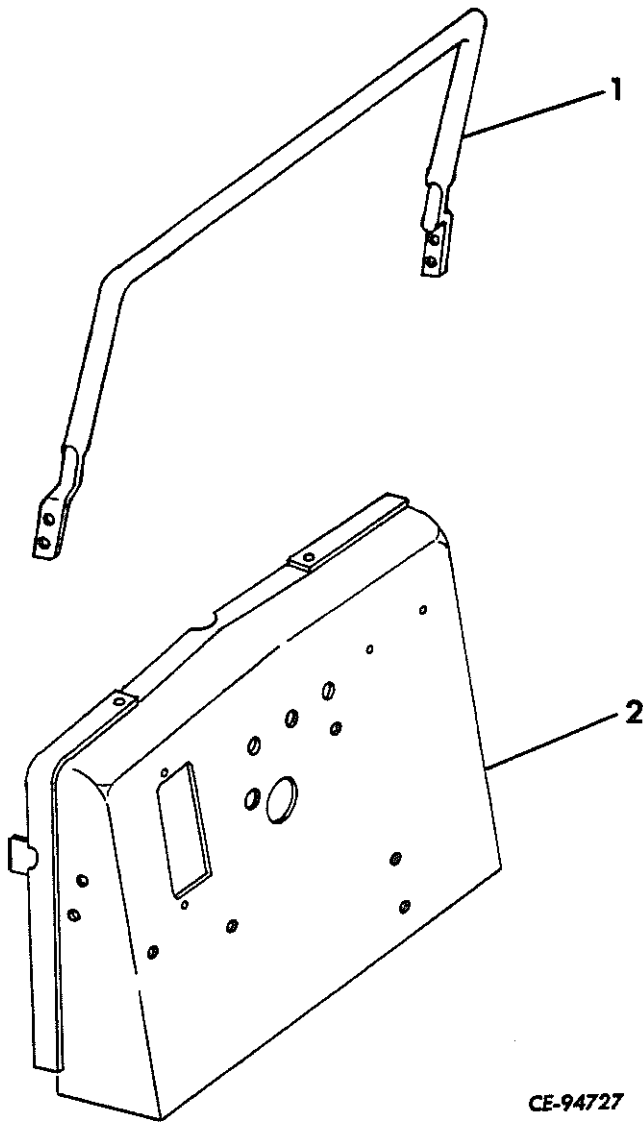
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CANOPY, FRONT SWEEP, MOUNTS AND SAFETY SEAT BELT - Continued			16	25 696 R1	BOLT (4 for B)
4	668 768 C1	CHANNEL, sweeps (Order the following parts - (2 for E) 1 BOLT 24 896 R1 1 CHAN- NEL 712 620 C1 1 DRAW- ING CZG-1917 1 DRAW- ING CZG-3123 1 NUT 9 413 983 2 WASHER 25 538 R1)	17	668 693 C1	SOCKET ASSEMBLY (2 for C and D)
4	712 620 C1 24 896 R1 9 413 983 25 538 R1	CHANNEL, sweeps (2 for E) BOLT (2) NUT, lock (2) WASHER, flat (4)	636 105 C91	PACKAGE, sweeps (Consists of - 2 WASHER 25 538 R1 1 BOLT 24 896 R1 1 CHAN- NEL 712 620 C1 1 DRAW- ING CZG-3193 1 DRAW- ING CZG-1917 1 NUT 9 413 983)	
5	668 762 C1	SWEEPS, front (Order the following parts - (2 for E) 1 BOLT 24 896 R1 1 CHAN- NEL 712 620 C1 1 DRAW- ING CZG-1917 1 NUT 9 413 983 1 SWEEPS 668 762 C2 1 WASHER 25 538 R1)	636 106 C91	PACKAGE, sweeps (Consists of - 2 WASHER 25 538 R1 1 CHAN- NEL 712 620 C1 1 DRAW- ING CZG-1917 1 NUT 9 413 983 1 SWEEPS 668 762 C2 1 BOLT 24 896 R1)	
5	668 762 C2	SWEEPS, front (2 for E)			
6	668 771 C1	ANGLE, lug (2 for E)			
7	9 412 231	NUT, lock (2 for E) (4 for B)			
8	M 22 352	WASHER (4 for E) (8 for B)			
9	153 343 H1	INSULATOR, socket (4 for E) (8 for B)			
10	24 882 R1	BOLT (2 for E)			
11	619 894 C1 273 896 25 555 R1	BOLT, seat belt eye (A and B) (2) NUT, lock (2) WASHER, hardened (2)			
12	636 888 C1 25 797 R1 9 412 231 26 272 R1	BELT, seat (A and B) BOLT (2) NUT (2) WASHER, flat (3)			
13	668 690 C1 24 892 R1 25 548 R1 25 529 R1	MOUNT, canopy standard (C) BOLT (8) WASHER, flat (16) NUT (8)			
14	951 360 R1	PAD, socket (4 for B)			
15	668 753 C1 24 892 R1 25 548 R1 25 529 R1	MOUNT, canopy arched (D) BOLT (8) WASHER, flat (16) NUT (8)			

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DASH

- | | |
|---------|--|
| 432 610 | PLUG, dash button (Optional w/PLUG, 432 607) (Not used w/transmission pressure filter indicator attachments) (2) |
| 432 439 | PLUG, 15/32" button (2) |



- | | | | |
|---|------------|--|--|
| 1 | 622 050 C1 | HANDLE, assist | |
| | 25 524 R1 | NUT (4) | |
| | 24 849 R1 | SCREW, hex-hd cap (4) | |
| | 115 314 | WASHER, lock (4) | |
| 2 | 622 016 C4 | DASH | |
| | 24 849 R1 | SCREW, hex-hd cap (4) | |
| | 397 455 R1 | WASHER, hardened (4) | |
| | 432 607 | PLUG, dash button (Optional w/PLUG, 432 610) (Not used w/transmission pressure filter indicator attachments) (2) | |



**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

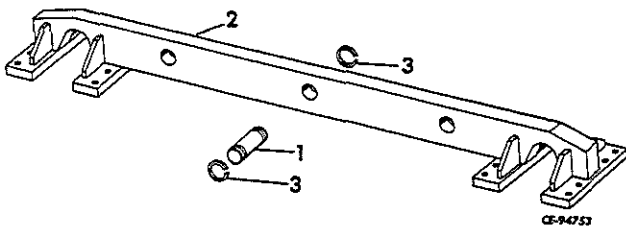
SUSPENSION

14

Printed in United States of America.

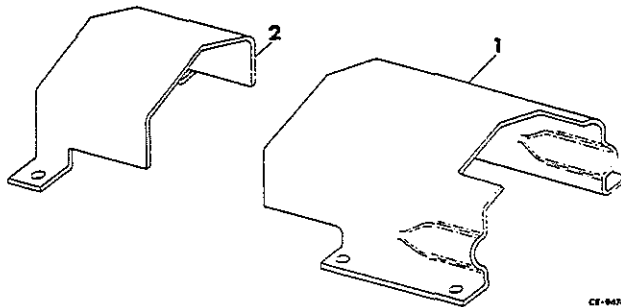
SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FRONT CROSSBAR					
3	622 221 C1	BAR, front idler guide (4)			
4	621 338 C1	BAR, front idler wear (4)			
7	662 650 C1	BRACKET, track idler (2)			



- 1 621 554 C1 PIN, front crossbar mounting
- 2 621 550 C2 CROSSBAR, front
24 889 R1 SCREW, hex-hd cap (16)
25 548 R1 WASHER, flat (16)
- 3 338 159 R1 RING, front crossbar mounting (2)

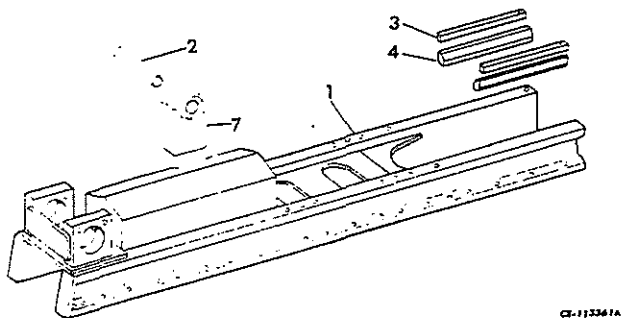
TRACK FRAME COVER



- 621 522 C91 ATTACHMENT, track frame cover
(See NOTE 3)
(Consists of -

- 1 621 523 C1 COVER-Front, track frame (2)
24 860 R1 SCREW, hex-hd cap (8)
116 121 WASHER, lock (8)
- 2 621 524 C1 COVER-Rear, track frame (2)
24 860 R1 SCREW, hex-hd cap (8)
116 121 WASHER, lock (8)
- 103 343 WASHER, flat (For use w/bolt for mounting front idler scraper) (4)

TRACK FRAME

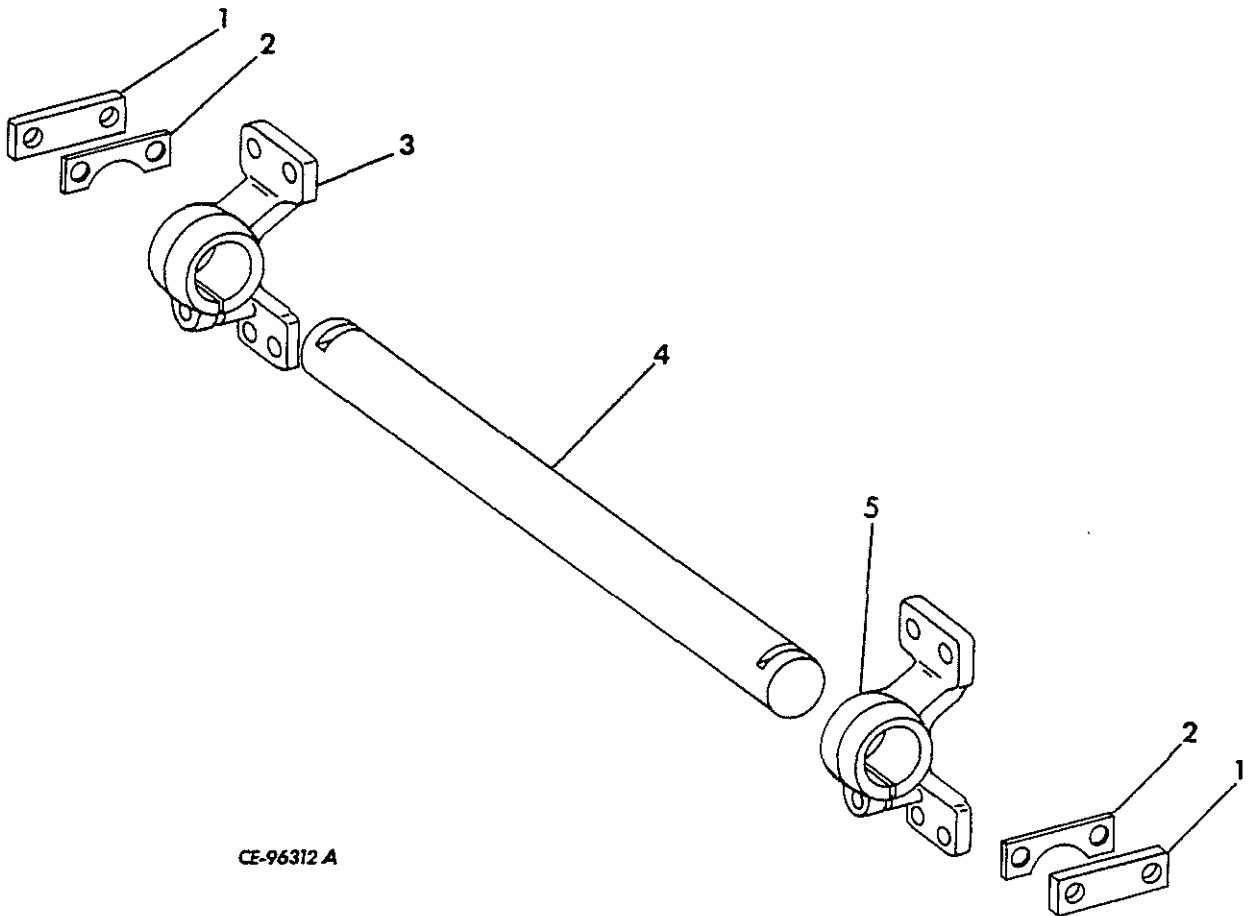


- 1 645 679 C94 FRAME ASSEMBLY, LH track
(Composed of -
2 BAR 622 221 C1
2 BAR 621 338 C1
1 BRACKET 662 650 C1
1 FRAME \$
1 PLATE, mounting \$
1 SHAFT 621 341 C1)
- 1 645 680 C94 FRAME ASSEMBLY, RH track
(Composed of -
2 BAR 622 221 C1
2 BAR 621 338 C1
1 BRACKET 662 650 C1
1 FRAME \$
1 PLATE, mounting \$
1 SHAFT 621 341 C1)
- 2 621 341 C1 SHAFT, track idler (2)

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REAR CROSSBAR



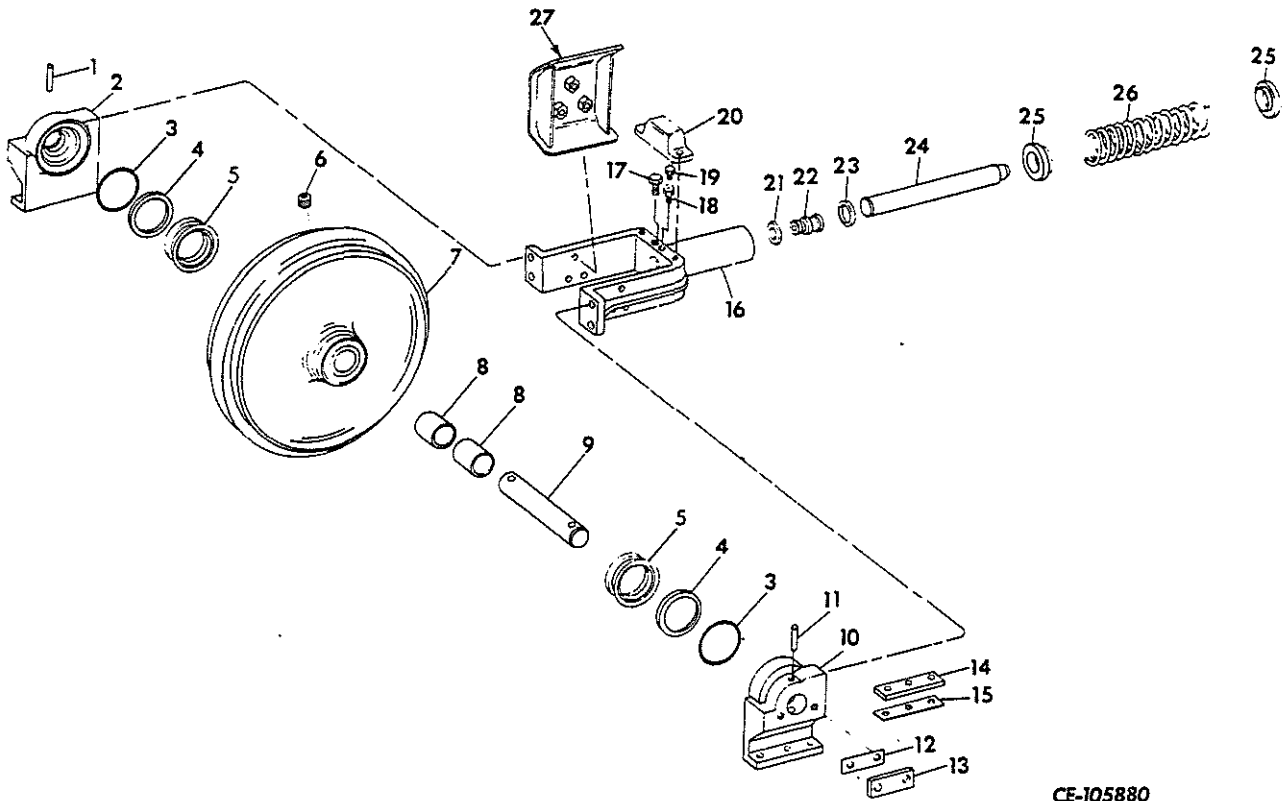
CE-96312 A

1	621 410 C1	PLATE, crossbar lock (2)	4	621 407 C1	CROSSBAR, rear rigid
	24 875 R1	BOLT (4)		5	621 405 C1
	25 537 R1	WASHER, flat (4)			25 880 R1
					25 740 R1
2	621 411 C1	SHIM, crossbar lock plate (x)			25 549 R1
3	621 406 C1	SUPPORT - RH, crossbar			25 556 R1
	25 740 R1	SCREW, 7/8" dia. hex-hd cap (4)			
	25 880 R1	SCREW, 1" dia. hex-hd cap			
	25 549 R1	WASHER, hardened (4)			
	25 556 R1	WASHER, hardened			

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FRONT IDLER, FORK, TRACK ADJUSTER AND TRACK SPRING



CE-105880

1	19 424 R1	PIN, coiled (2)	11	19 424 R1	PIN, coiled (2)
2	621 421 C1	SUPPORT, front idler (RH) (2)	12	621 427 C1	SHIM, front idler side (12)
3	655 266 C1	RING, support sealing (4)	13	621 424 C1	PLATE, front idler thrust, side (4)
4	621 419 C1	WASHER, thrust (4)		24 872 R1	BOLT (8)
5	740 915 C91	SEAL w/two WIPER and INSTRUCTION PAMPHLET, 1 085 897 R1, oil (2)		25 537 R1	WASHER, hardened (8)
	OR		14	622 044 C1	BAR, front idler wear (4)
5	740 923 C91	SEAL w/two WIPER and INSTRUCTION PAMPHLET, 1 085 897 R1, oil (2)		205 079 R1	BOLT (12)
				115 314	WASHER, lock (12)
6	268 996 R1	PLUG (2)	15	621 423 C1	SHIM, front idler bottom (8)
7	621 415 C92	IDLER w/two BUSHING, 621 417 C4, front (2)	16	736 160 C1	FORK, front idler (1.88" dia. bore) (2)
8	621 417 C4	BUSHING, front idler (4)	17	662 799 C1	PLUG, track adjuster bleeder (2)
9	621 418 C1	SHAFT, front idler (2)		OR	
10	621 420 C1	SUPPORT, front idler (LH) (2)	17	635 286 C91	PLUG, track adjuster bleeder
				50 410 DA	PLUG, pipe (2)
			18	319 628 R91	VALVE, track adjuster check (2)
			19	109 461	FITTING, lubrication (2)

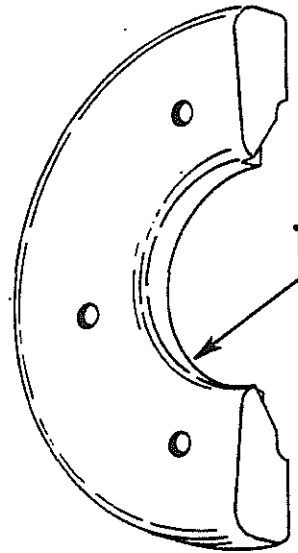
SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION
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FRONT IDLER, FORK, TRACK ADJUSTER AND TRACK SPRING – Continued

20	621 430 C1 24 860 R1 116 121	SHIELD, track adjuster valve (2) SCREW, hex-hd cap (4) WASHER, lock (4)
21		SEAL, track adjuster (Order PACKAGE, 622 825 C91) (2)
22	622 049 C1	BODY, track adjuster piston (2)
23		SCRAPER, track adjuster (Order PACKAGE, 622 825 C91) (2)
24	621 448 C3	ROD, track adjuster (2)
25	621 434 C2	RETAINER, track spring (4)
26	736 180 C1	SPRING, track (2)
27	621 535 C1 24 862 R1 116 121	SCRAPER, front idler (Not used with front idler counterweight) (4) SCREW, hex-hd cap (12) WASHER, lock (12)
	622 825 C91	PACKAGE, track adjuster seals (Consists of one scraper and one seal) (x)

FRONT IDLER COUNTERWEIGHT



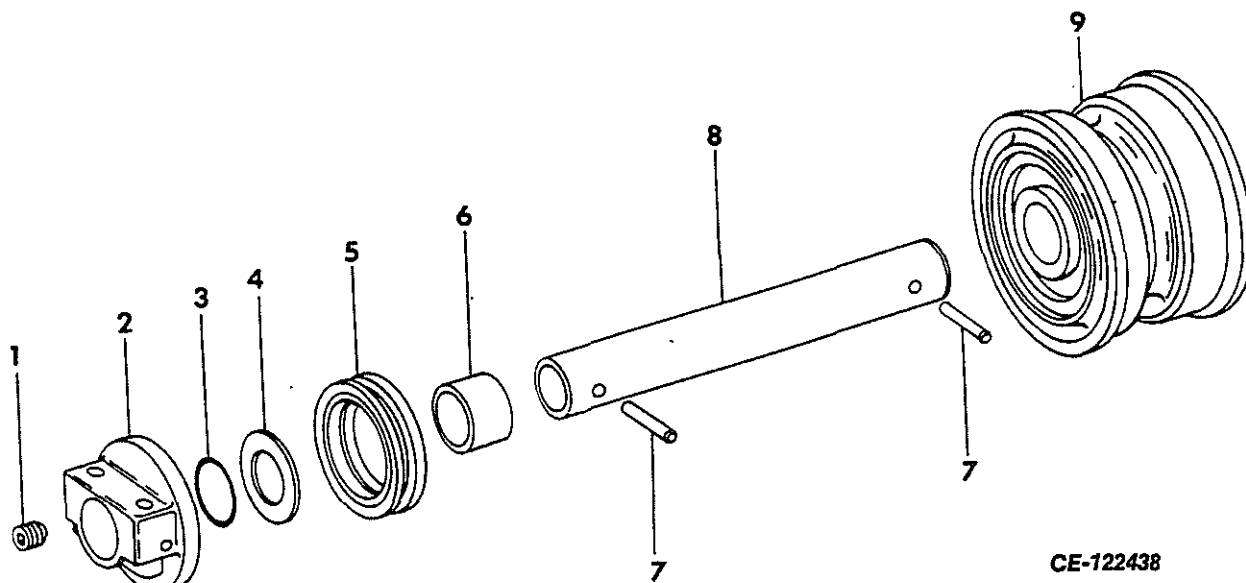
CE-94717

	621 540 C91	ATTACHMENT, front idler counterweight (Not used w/front idler scraper) (See NOTE 2)
1	621 541 C2	COUNTERWEIGHT, front idler (8)
	9 412 230	NUT (12)
	24 867 R1	BOLT (12)
	25 555 R1	WASHER, hardened (12)

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK ROLLER



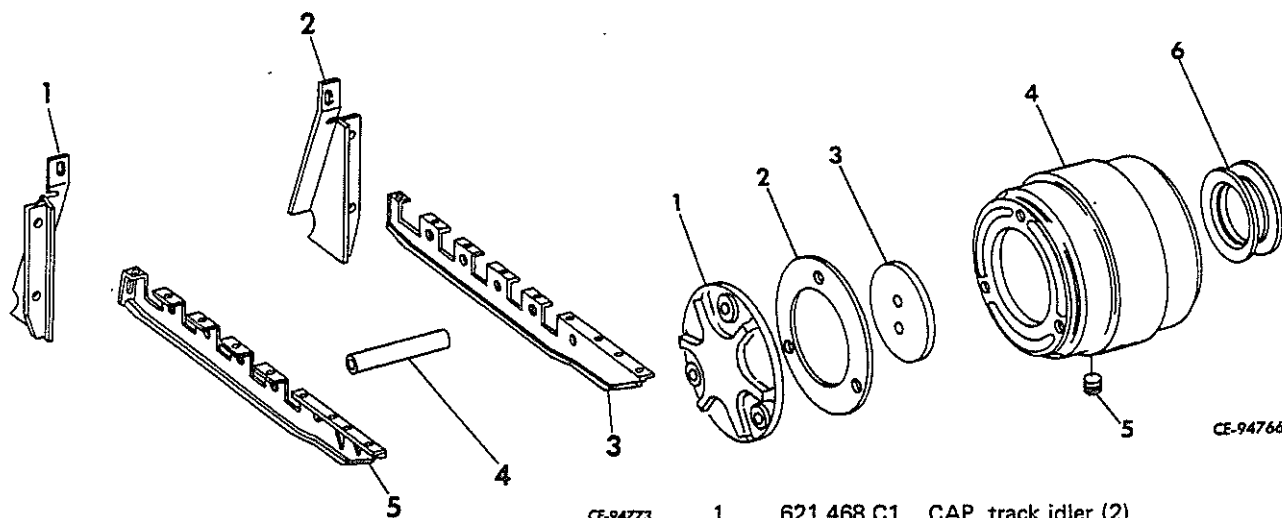
	621 462 C94	ROLLER, track (10)		5	740 915 C91	SEAL w/two WIPER and INSTRUCTION PAMPHLET, 1 085 897 R1, oil (2)
	275 635 R1	BOLT (40)			OR	
	25 536 R1	WASHER, lock (40) (Consists of -		5	740 923 C91	SEAL w/two WIPER and INSTRUCTION PAMPHLET, 1 085 897 R1, oil (2)
1	444 660	PLUG, shaft		6	621 458 C3	BUSHING (2)
2	621 463 C1	BRACKET (2)		7	19 424 R1	PIN (2)
3	655 266 C1	RING, bracket sealing (2)		8	621 459 C1	SHAFT
4	621 419 C1	WASHER, thrust (2)		9	621 455 C94	ROLLER w/two BUSHING, 621 458 C3, track

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK ROLLER AND SPROCKET ROCK SHIELD

TRACK IDLER



	621 791 C91	ATTACHMENT, track roller and sprocket rock shield (See NOTE 2) (Consists of -
1	621 349 C1	DEFLECTOR - RH, sprocket rock (2)
	24 874 R1	SCREW, hex-hd cap (6)
	25 547 R1	WASHER, hardened (6)
	25 528 R1	NUT (6)
2	621 348 C1	DEFLECTOR - LH, sprocket rock (2)
	24 874 R1	SCREW, hex-hd cap (6)
	25 547 R1	WASHER, hardened (6)
	25 528 R1	NUT (6)
3	621 353 C1	SHIELD - LH, track roller (2)
	24 872 R1	SCREW, hex-hd cap (18)
	621 175 C1	WASHER, hardened (18)
4	621 360 C1	SPACER, roller shield (10)
	25 924 R1	SCREW, hex-hd cap (18)
	9 413 983	NUT (10)
	39 422 D	WASHER, hardened flat (40)
5	621 354 C1	SHIELD - RH, track roller (2)
	24 872 R1	SCREW, hex-hd cap (10)
	671 175 C1	WASHER, hardened (18)

	1	621 468 C1	CAP, track idler (2)
		101 896 R1	SCREW, hex-hd cap (6)
		25 534 R1	WASHER, lock (6)
2	621 467 C1	GASKET, track idler cap (2)	
3	621 466 C1	PLATE, track idler thrust (2)	
	24 849 R1	SCREW, hex-hd cap (4)	
	26 272 R1	WASHER, lock (4)	
4	621 465 C2	IDLER, track (2)	
5	444 660	PLUG, track idler (2)	
6	736 071 C91	OIL SEAL w/PAMPHLET, track idler (2)	
		OR	
6	740 919 C91	OIL SEAL w/PAMPHLET, track idler (2)	

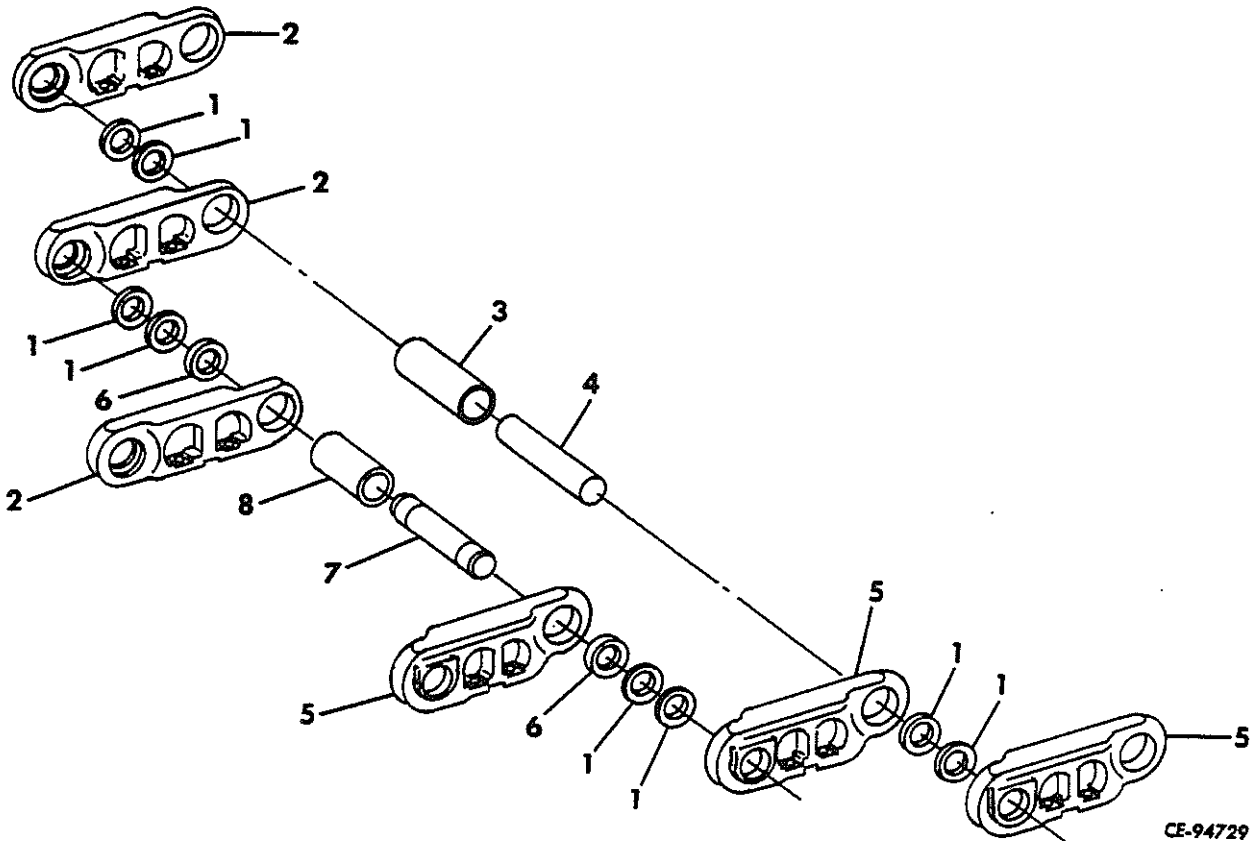


**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

WHEELS AND TRACTION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK CHAIN AND TRACK CHAIN WITH SHOES



621 295 C91 CHAIN ASSEMBLY, less shoes, track (2)
(Consists of Ref. Nos. 1 thru 8)

- | | | |
|---|------------|---|
| 1 | 616 178 C1 | WASHER, belleville (148) (Part of PACKAGE, 739 372 C91) |
| 2 | 622 150 C1 | LINK - LH, track (37) |
| 3 | 621 296 C1 | BUSHING, track link (36) (Part of PACKAGE, 739 371 C91) |
| 4 | 263 943 R1 | PIN, track link (36) (Part of PACKAGE, 739 370 C91) |
| 5 | 622 151 C1 | LINK - RH, track (37) |
| 6 | 616 180 C1 | SPACER, master bushing (2) |
| 7 | 616 181 C1 | PIN, track link master |
| 8 | 621 297 C1 | BUSHING, track link master |

636 529 C91 CHAIN ASSEMBLY, w/15" clipped corner shoes, track (Services one side of tractor. When both sides are to be serviced order two assemblies)
(Composed of -

148	BOLT	414 053 C1
1	CHAIN	621 295 C91
148	NUT	616 192 C1
37	SHOE	636 527 C1)

636 540 C91 CHAIN ASSEMBLY, w/15" clipped corner open center shoes, track (Services one side of tractor. When both sides are to be serviced order two assemblies)
(Composed of -

148	BOLT	414 053 C1
1	CHAIN	621 295 C91
148	NUT	616 192 C1
37	SHOE	636 537 C1)

739 370 C91 PACKAGE, track pin service
(Contains 72 PIN, 263 943 R1)

WHEELS AND TRACTION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK CHAIN AND TRACK CHAIN WITH SHOES –
Continued

739 371 C91 PACKAGE, track bushing service (Contains 72 BUSHING, 621 296 C1)

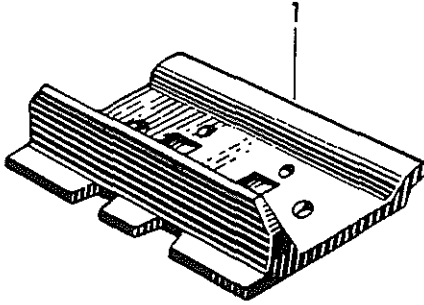
739 372 C91 PACKAGE, track seal service (Contains 296 WASHER, 616 178 C1)

WHEELS AND TRACTION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRACK SHOES

636 534 C91 ATTACHMENT, 17" offset track shoe (Not used w/outside arm bullgrader) (Includes 37 SHOE, 636 532 C1, 37 SHOE, 636 533 C1, 296 BOLT, 414 053 C1 and 296 NUT, 616 192 C1) (See NOTE 3)



CE-122437

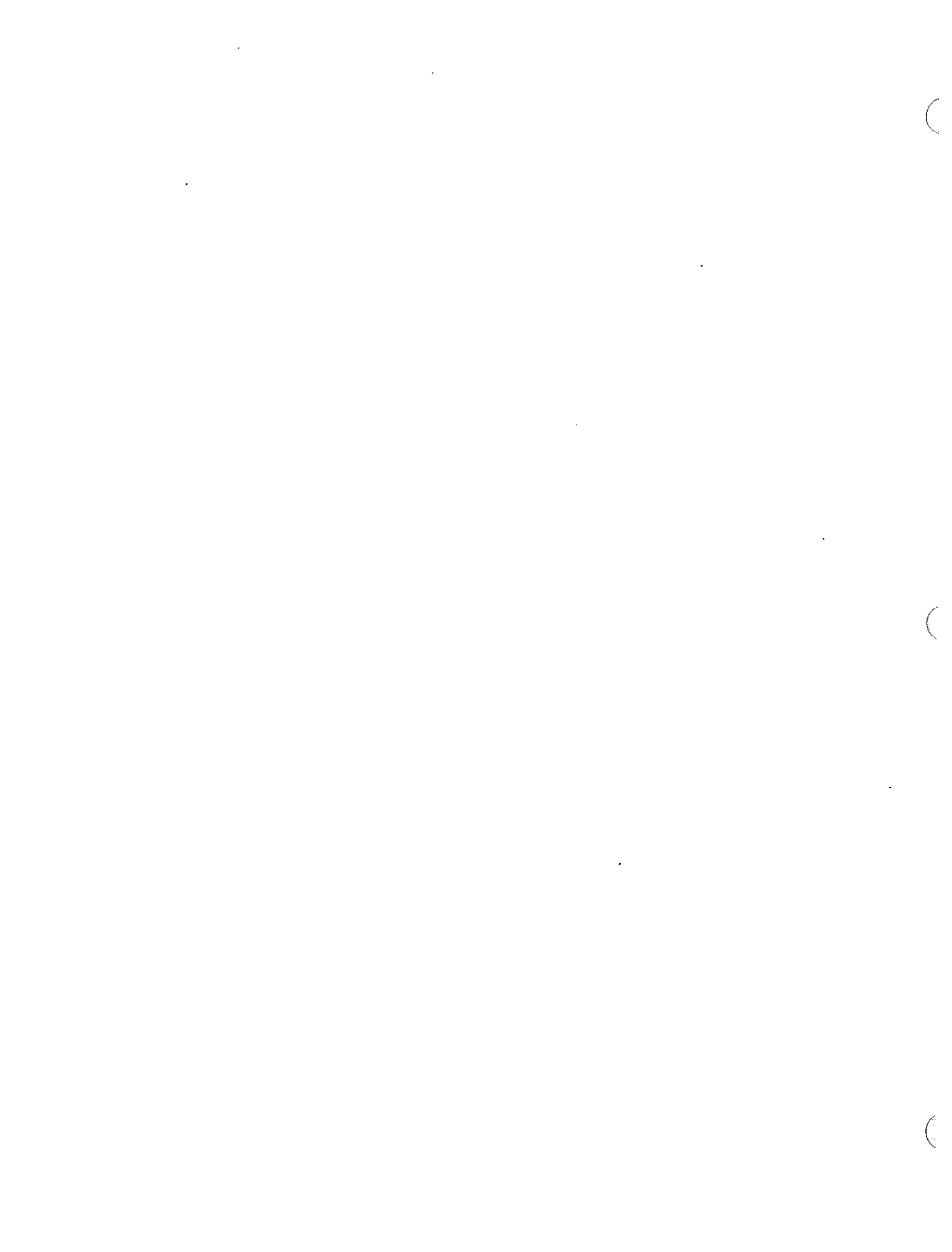
- 1 636 525 C1 SHOE, square corner track - 12" (Part of ATTACHMENT, 636 526 C91) (74)
- 1 636 527 C1 SHOE, square corner track - 15" (Part of ATTACHMENT, 636 530 C91) (74)
- 1 636 537 C1 SHOE, square corner track - 15" w/mud relief (Part of ATTACHMENT, 636 538 C91) (74)
- 1 636 532 C1 SHOE, square corner LH track - 17" (Part of ATTACHMENT, 636 534 C91) (37)
- 414 053 C1 BOLT (296)
- 616 192 C1 NUT (296)
- 636 526 C91 ATTACHMENT, 12" square corner track shoe (Includes 74 SHOE, 636 525 C1, 296 BOLT, 414 053 R1 and 296 NUT, 616 192 C1) (See NOTE 3)
- 636 530 C91 ATTACHMENT, 15" square corner track shoe (Includes 74 SHOE, 636 527 C1, 296 BOLT, 414 053 C1 and 296 NUT, 616 192 C1) (See NOTE 1)
- 636 534 C91 ATTACHMENT, 17" offset track shoe (Not used w/outside arm bullgrader) (Includes 37 SHOE, 636 532 C1, 37 SHOE, 636 533 C1, 296 BOLT, 414 053 C1 and 296 NUT, 616 192 C1) (See NOTE 3)
- 636 538 C91 ATTACHMENT, 15" square corner w/mud relief track shoe (Includes 74 SHOE, 636 537 C1, 296 BOLT, 414 053 C1 and 296 NUT, 616 192 C1) (See NOTE 3)

NOT USED ON THIS MACHINE

BODY-BOWL

16

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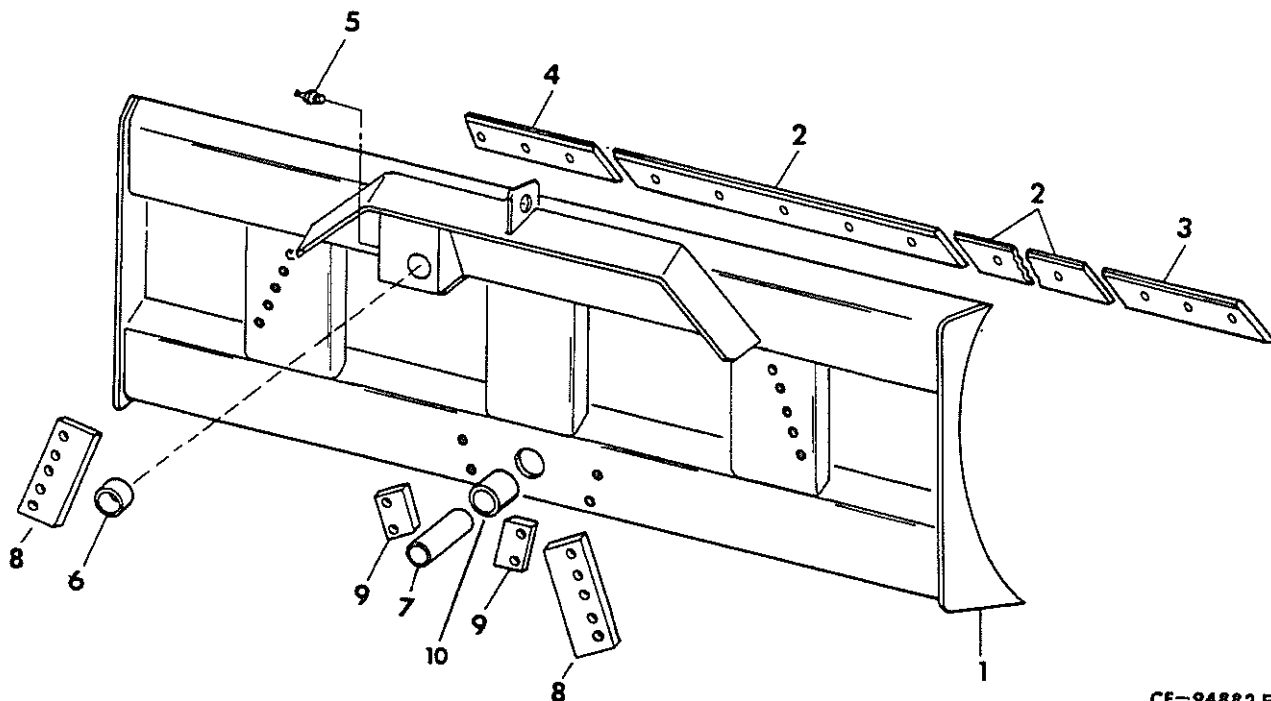


REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
----------	-------------	-------------	----------	-------------	-------------

BLADE
(For Model G7H Inside Arm Hydraulic Bullgrader)



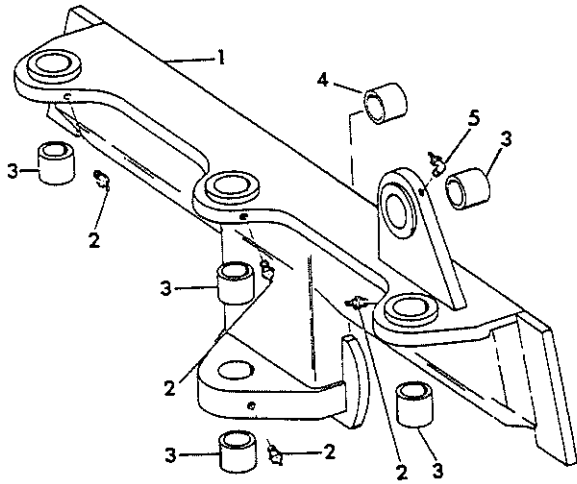
CE-94882 E

1	632 766 C93	BLADE ASSEMBLY (Composed of - 1 BIT 620 529 C1 1 BIT 620 530 C1 1 BLADE \$ 1 BUSHING 618 988 C1 2 EDGE 620 563 C1)	5	109 461	FITTING, lubrication
			6	618 988 C1	BUSHING
			7	620 528 C2	PIN, main
			8	705 740 C1	PLATE, upper retainer (2)
				24 888 R1	BOLT (10)
				705 741 C1	SHIM, side channel (10)
2	620 563 C1	EDGE, cutter (2)	9	646 670 C1	PLATE, lower retainer (2)
	646 534 C1	BOLT, plow (10)		24 888 R1	BOLT (4)
	25 529 R1	NUT (10)		646 669 C1	SHIM, lower retainer (10)
3	620 529 C1	BIT - LH, end	10	705 746 C1	BUSHING, main pin
3	627 583 C1	BIT - LH, end cast (Part of AT- TACHMENT, 626 567 C91)		626 567 C91	ATTACHMENT, cast end bit (Consists of BIT, 627 583 C1 and BIT, 627 584 C1) (See NOTE 1)
	646 534 C1	BOLT, plow (3)			
	25 529 R1	NUT (3)			
4	620 530 C1	BIT - RH, end			
4	627 584 C1	BIT - RH, end cast (Part of AT- TACHMENT, 626 567 C91)			
	646 534 C1	BOLT, plow (3)			
	25 529 R1	NUT (3)			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ANGLING FRAME
(For Model G7H Inside Arm Hydraulic Bullgrader)



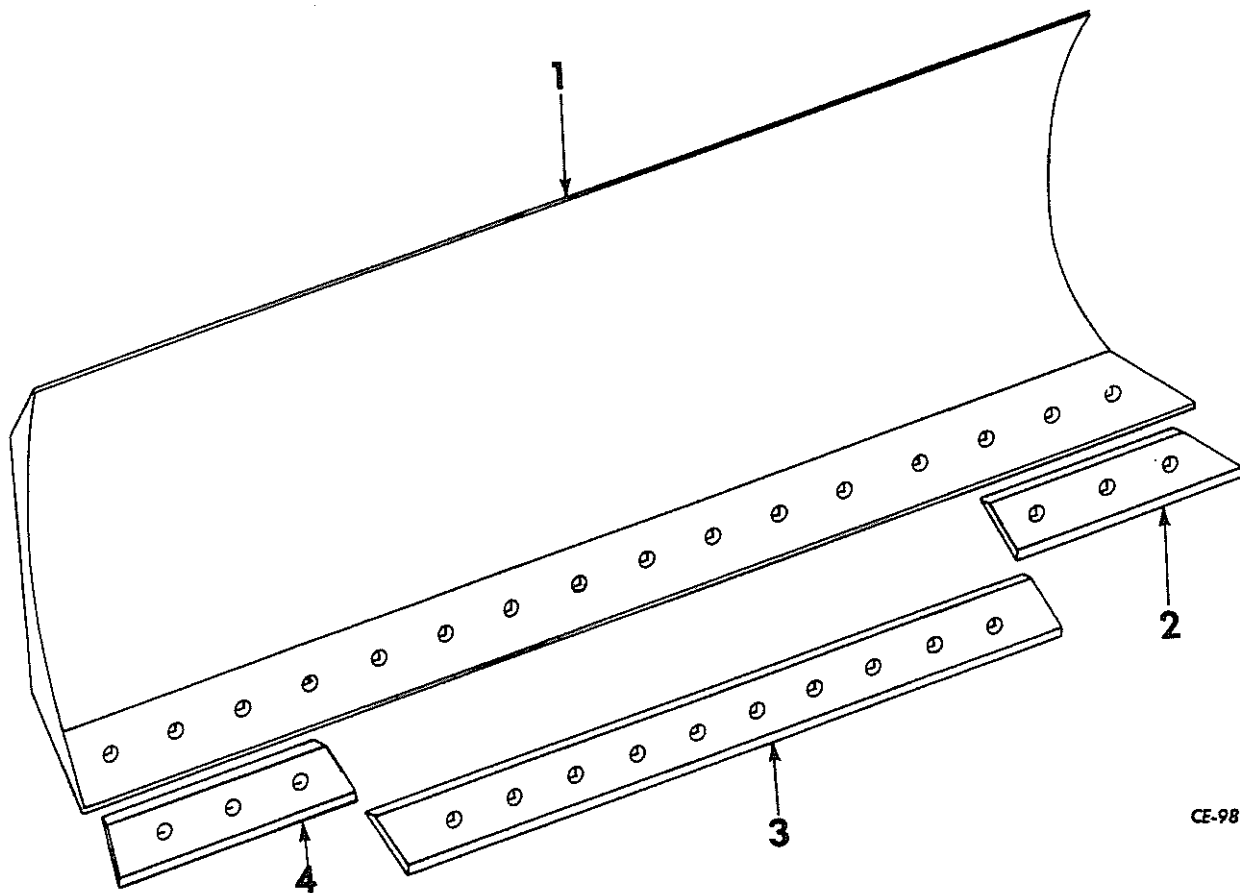
CE-94881 B

1	705 781 C91	FRAME w/five BUSHING, 618 988 C1, angling
2	109 461	FITTING, lube (4)
3	618 988 C1	BUSHING, angling frame (5)
4	705 746 C1	BUSHING
5	109 462	FITTING, lube

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BLADE
(For Model 7G2 Outside Arm Hydraulic Bullgrader)



CE-98190

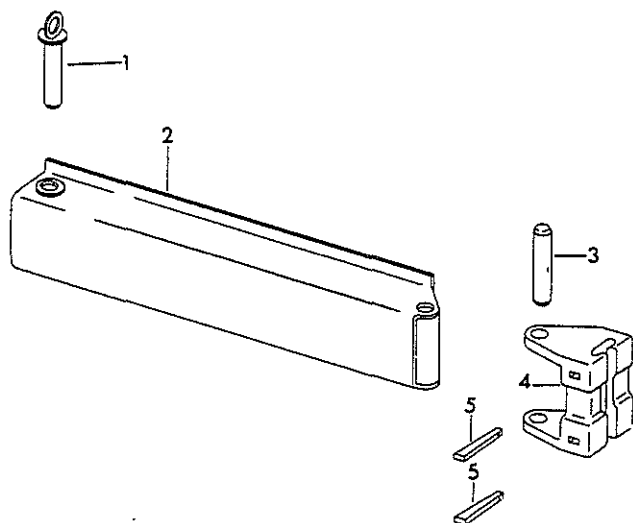
<p>1 647 280 C91 BLADE w/CUTTING EDGE ASSEMBLY (Composed of - 1 BLADE \$ 1 EDGE 623 994 C1 1 EDGE 954 490 R1 1 EDGE 954 491 R1)</p>	<p>3 623 994 C1 EDGE, center blade 25 529 R1 NUT (10) 292 845 R1 BOLT, plow (10)</p>
<p>2 954 490 R1 EDGE, LH tip cutting 25 529 R1 NUT (3) 292 845 R1 BOLT, plow (3)</p>	<p>4 954 491 R1 EDGE, LH tip cutting 25 529 R1 NUT (3) 646 534 R1 BOLT, plow (3)</p>

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ANGLE PUSH ARM

(For Model 7G2 Outside Arm Hydraulic Bullgrader)



CE-105306

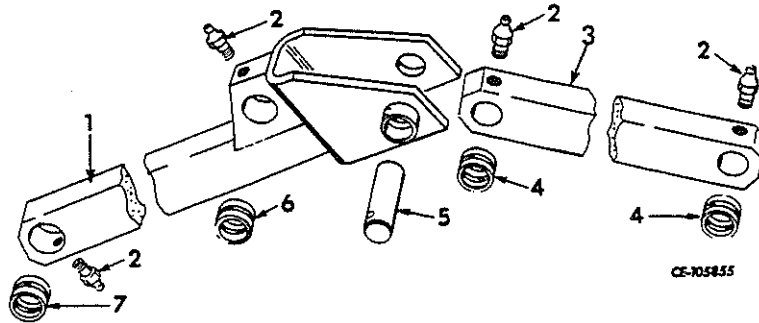
1	647 139 C2 24 843 R1 9 413 979	PIN, strut (2) SCREW, hex-hd cap (2) NUT, lock (2)
2	647 096 C1	ARM, push (2)
3	647 149 C1 9 412 230 275 635 R1	PIN (2) NUT, lock (2) SCREW, hex-hd cap (2)
4	647 180 C2	CASTING, pusharm pivot (2)
5	647 012 C1 142 544	WEDGE, tilt adjusting (4) PIN, long groove (4)

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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PIVOT AND LIFT ARMS

(For Model 7G2 Outside Arm Hydraulic Bullgrader)

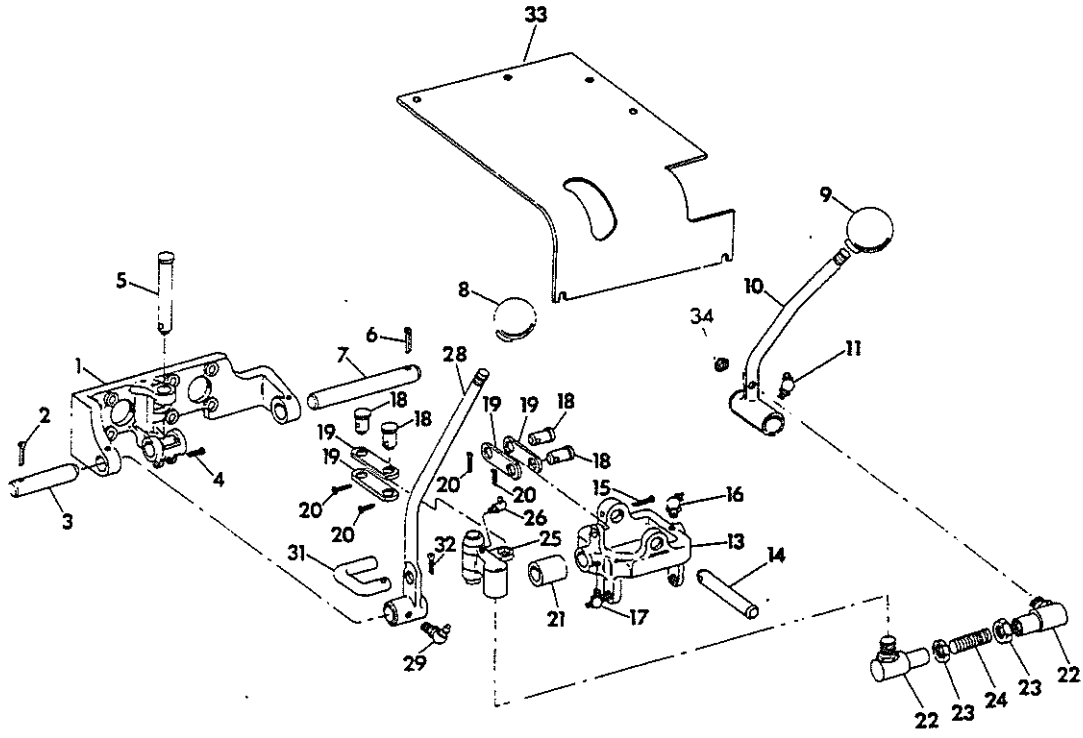


1	646 399 C94	ARM w/BUSHING, 618 988 C1 and BUSHING, 952 666 R1 assembly, LH radius	4	952 666 R1	BUSHING (4)
1	646 400 C94	ARM w/BUSHING, 618 988 C1 and BUSHING, 952 666 R1 assembly, RH radius	5	620 621 C1	PIN, radius arm (2)
				9 413 979	NUT, lock (2)
				21 318 R1	SCREW, hex-hd cap (2)
2	110 146 R91	FITTING, lubrication (8)	6	618 988 C1	BUSHING (2)
3	647 019 C91	ARM w/two BUSHING, 952 666 R1 assembly, lift (2)	7	952 666 R1	BUSHING (2)

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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EQUIPMENT CONTROLS (For Three Spool Models)



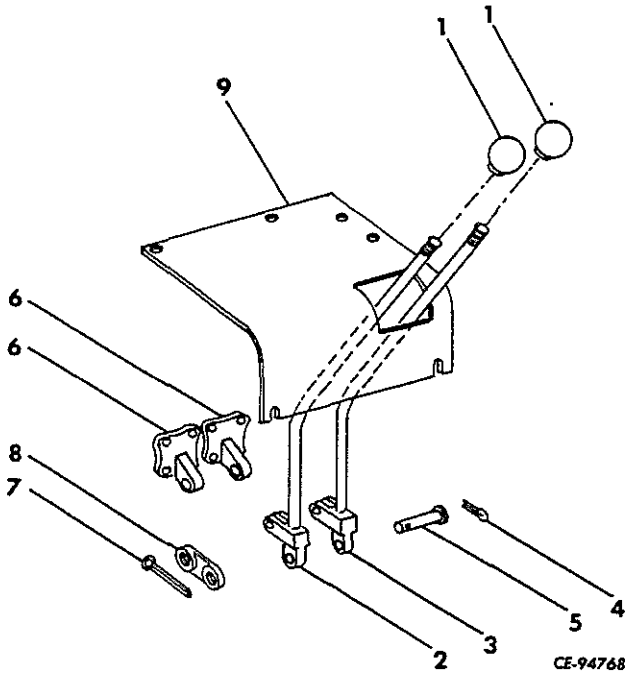
CE-122444

1	623 031 C1 25 483 R1 115 109	BRACKET, control mounting BOLT (4) WASHER, lock (4)	15	137 209	PIN, cotter
2	20 328 R1	PIN, cotter	16	117 175	FITTING, lubrication
3	623 034 C1	SHAFT, control	17	16 964 R91	FITTING, lubrication
4	119 120	PIN, cotter	18	103 495	PIN, rod end (4)
5	623 043 C1	PIN, rod end	19	645 011 C2	LINK, valve (4)
6	20 328 R1	PIN, cotter	20	103 379	PIN, cotter (4)
7	623 033 C1	SHAFT, control support	21	623 036 C1	TUBE, spacer
8	264 097 R2	KNOB, lever	22	653 867 C1	JOINT, control ball (2)
9	264 055 R2	KNOB, lever	23	114 494	NUT, jam (2)
10	667 010 C1	LEVER, control	24	257 264 C1	ROD, control
11	117 175	FITTING, lubrication	25	623 041 C2	BELLCRANK, control
13	623 032 C1	SUPPORT, linkage	26	117 175	FITTING, lubrication
14	623 035 C1	PIN, lever	28	667 119 C1	LEVER, control
			29	16 964 R91	FITTING, lubrication

MOUNTED EQUIPMENT

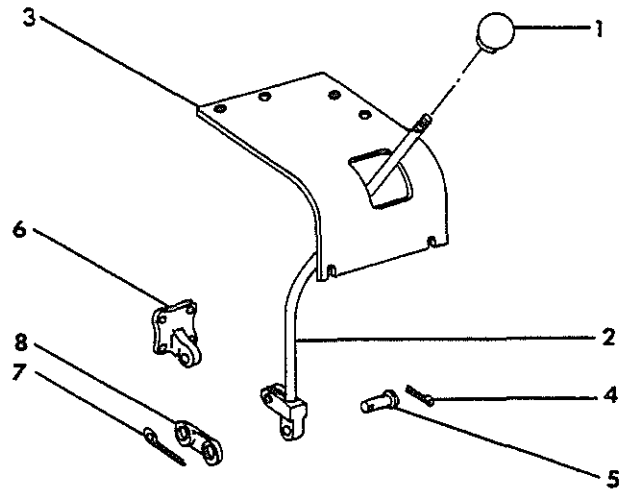
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
EQUIPMENT CONTROLS – Continued (For Three Spool Models)					
31	623 037 C2	LINK, valve	7	103 365	PIN, cotter (2)
32	107 763	PIN, cotter	8	623 079 C1	LINK, pin (2)
33	629 775 C1	COVER, control linkage	9	710 225 C1	COVER, control
	OR			24 839 R1	SCREW, hex-hd cap (4)
33	705 941 C1	COVER, control linkage		115 093	WASHER, lock (4)
	24 839 R1	BOLT (4)		103 341	WASHER, flat (2)
	115 093	WASHER, lock (4)			
	103 341	WASHER, flat (2)			
34	9 413 980	NUT			

EQUIPMENT CONTROLS (For Two Spool Models)



1	264 097 R2	KNOB, control lever (2)
2	623 076 C1	LEVER, control
3	623 078 C1	LEVER, control
4	119 117	PIN, cotter (2)
5	139 541 H	PIN, rod end (2)
6	623 074 C1	BRACKET, mounting (2)
	132 264	SCREW, hex-hd cap (8)
	121 637	WASHER, lock (8)

EQUIPMENT CONTROLS (For One Spool Models)

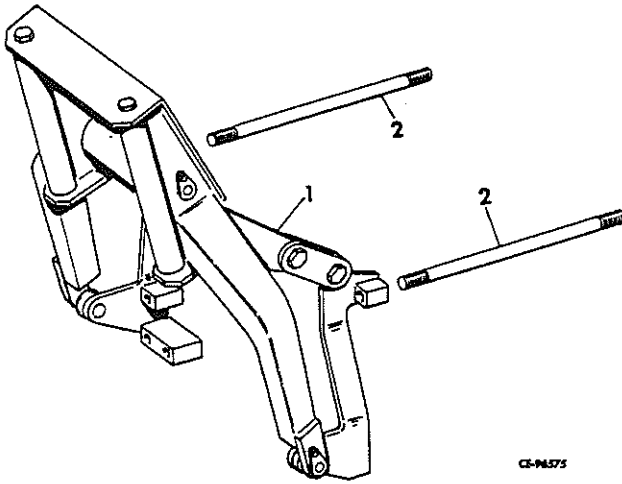


1	264 097 R2	KNOB, control lever
2	623 078 C1	LEVER, control
3	710 224 C1	COVER, control
	24 839 R1	SCREW, hex-hd cap (4)
	115 093	WASHER, lock (4)
	103 341	WASHER, flat (2)
4	119 117	PIN, cotter
5	139 541 H	PIN, rod end
6	623 074 C1	BRACKET, control lever
	132 264	SCREW, hex-hd cap (4)
	121 637	WASHER, lock (4)
7	103 365	PIN, cotter
8	623 079 C1	LINK, pin

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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LOGGING ARCH (MODEL 78)



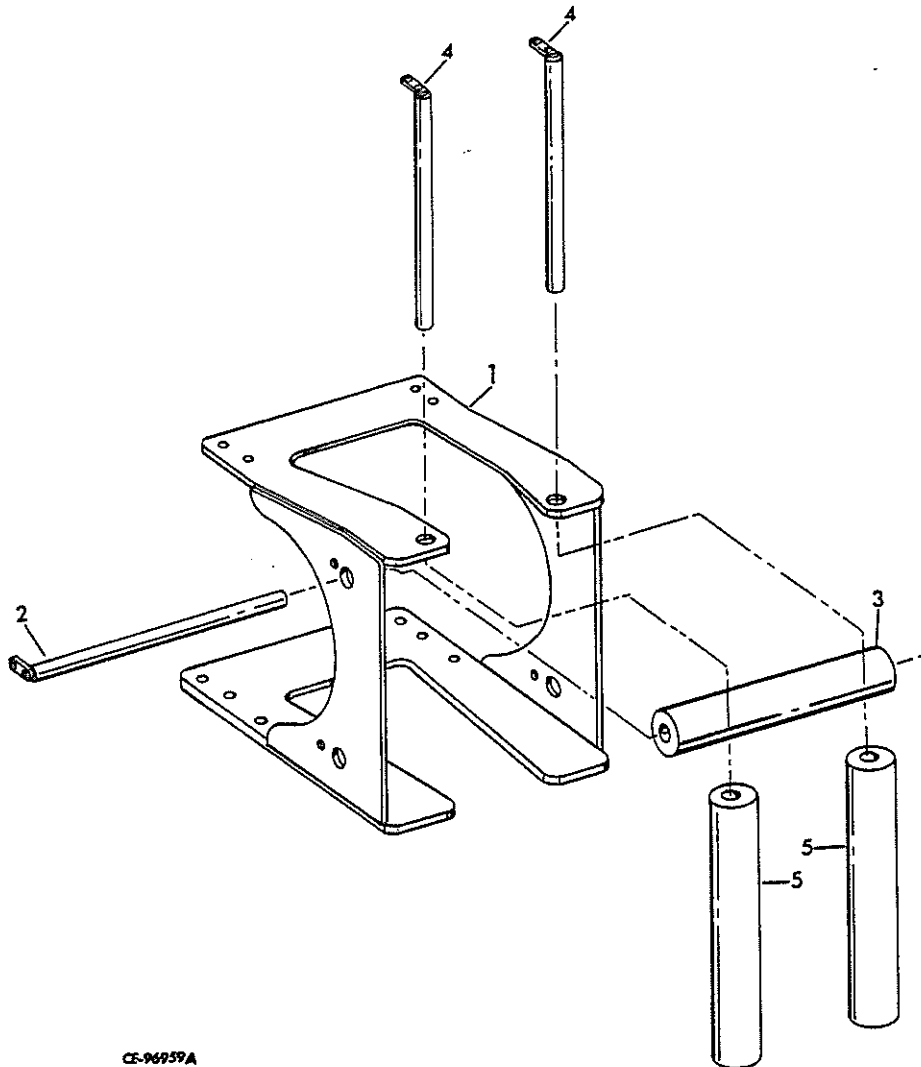
622 932 C91 ATTACHMENT, logging arch
 (Model 78) (For use on models
 equipped with Gearmatic #19
 winch) (See NOTE 2)
 (Consists of -

- 1 622 930 C91 ARCH, Model 78 logging
- 2 622 429 C1 BAR, tie (2)

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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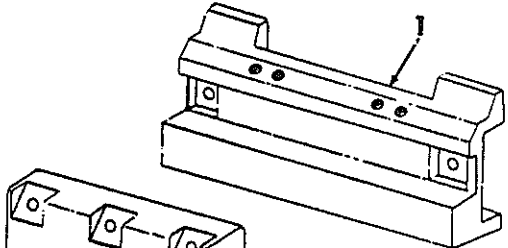
THREE ROLLER FAIRLEAD



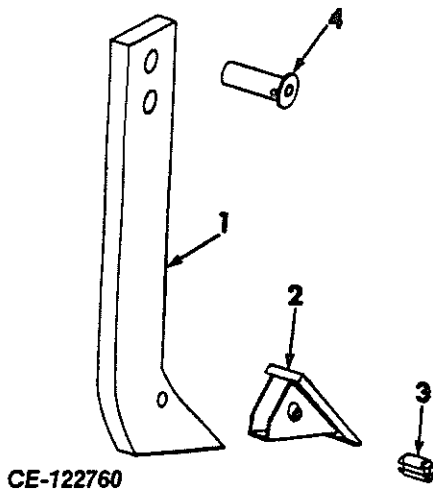
CS-96959A

	627 395 C91	ATTACHMENT, gearmatic three roller fairlead (For use on models equipped with gearmatic #19 winch) (Not used on models equipped with logging arch) (See NOTE 2) (Consists of -		2	631 847 C91	SHAFT, upper roller	
					179 812	SCREW, hex-hd cap	
					103 320	WASHER	
					3	631 848 C91	ROLLER, upper
					4	631 846 C91	SHAFT, side roller (2)
					179 812	SCREW, hex-hd cap (2)	
					103 320	WASHER (2)	
1	\$	BODY		5	631 845 C91	ROLLER, side (2)	
	271 611	SCREW, hex-hd cap (10)					
	103 326	WASHER (10)					

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RIPPER (MODEL 395)			1	540 976 R93	TOOTH ASSEMBLY, ripper (Composed of - 1 PIN 492 406 R1 1 POINT 547 315 R1 1 SHANK \$)
701 484 C91		ATTACHMENT, ripper w/mounting plate (Must be used w/rear auxiliary circuit or rear auxiliary circuit w/diverter valve) (Cannot be used w/swinging drawbar or winch) (Not for backhoe models) (Replaces 541 082 R91) (See NOTE 2) (Consists of -	2	547 315 R1	POINT
		CYLINDER, ripper (Refer to "RIPPER LIFT CYLINDER", Section 10)	3	492 406 R1	PIN, flex
		FRAME, ripper stabilizer and mounting (Refer to "RIPPER FRAME AND STABILIZERS", Section 17)	4	492 472 R1 180 044 23 911 R1	PIN, headed BOLT NUT, nylon insert
		PIPING, ripper (Refer to "RIPPER PIPING", Section 10)	WEIGHTS (Ripper Saddle)		
		TEETH, ripper (Refer to "RIPPER FRAME AND STABILIZERS", Section 17) (Also refer to ATTACHMENT, 701 494 C91)	 <p style="text-align: right;">CE-122761</p>		
		PRODUCT GRAPHIC (Refer to "PRODUCT GRAPHICS")			

ADDITIONAL RIPPER TEETH



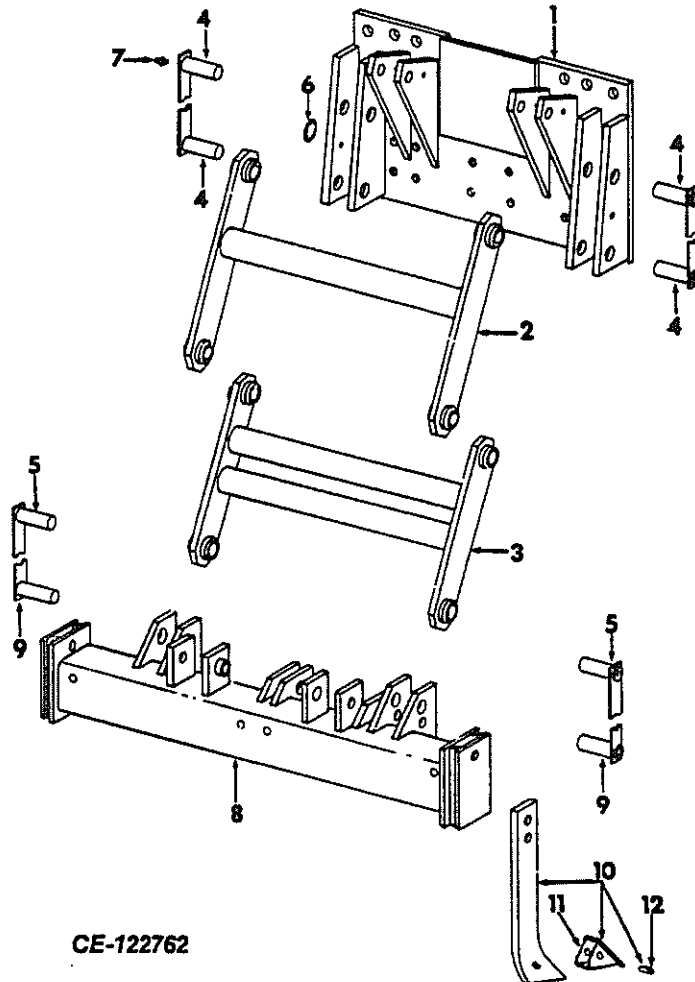
1	541 024 R1 271 748 121 574	WEIGHT, frame bar saddle (2) BOLT (4) WASHER (4)
2	541 026 R1 21 613 R1 131 048	WEIGHT, auxiliary BOLT (2) WASHER (2)

701 794 C91 ATTACHMENT, ripper tooth (For use on models equipped w/ripper. A maximum of five teeth total can be mounted on ripper at one time. One of two additional tooth attachments may be used on basic ripper) (See NOTE 2) (Consists of -

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RIPPER FRAME AND STABILIZERS (MODEL 395)
(Part of Ripper Attachment)



CE-122762

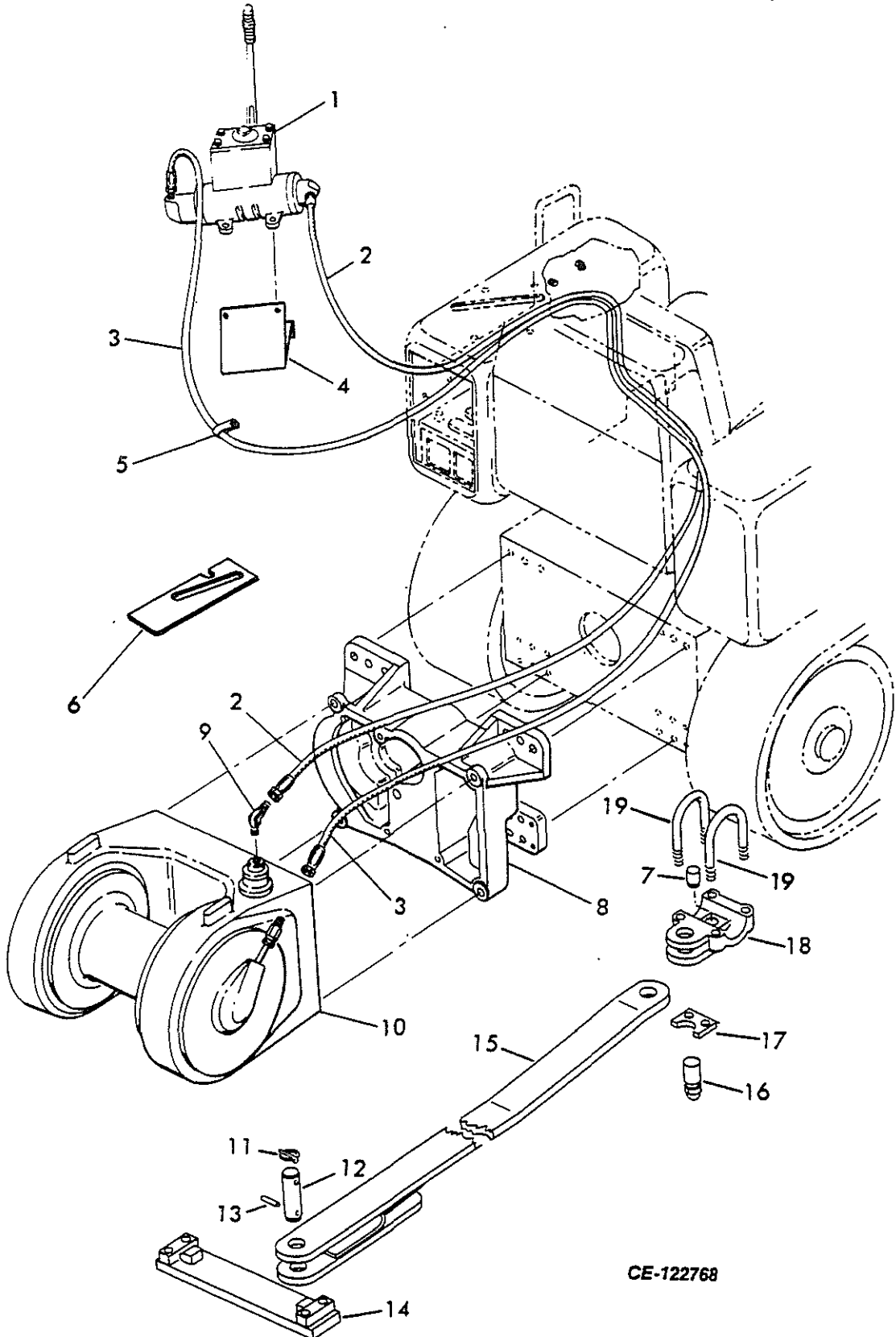
1	541 013 R3	PLATE, back	5	540 998 R1	PIN, link rear (2)
	23 380 R1	BOLT, 1-1/8 (4)		271 547	BOLT (2)
	131 049	WASHER, 1-1/8 lock (4)		121 574	WASHER, lock (2)
	21 610 R1	BOLT, 3/4-10 (8)		492 389 R1	SPACER (2)
	131 046	WASHER, lock (8)		23 276 R1	WASHER (2)
2	540 983 R1	BRACKET, ripper upper	6	541 003 R1	RING, cord (16)
	540 986 R1	BUSHING, ripper link front (4)	7	109-461	FITTING, str-lub (8)
	540 987 R1	BUSHING, ripper link rear (4)			
3	540 990 R1	BRACKET, ripper lower	8	540 968 R1	SUPPORT
	540 986 R1	BUSHING, ripper link front (4)	9	541 001 R1	PIN, ripper link rear (2)
	540 987 R1	BUSHING, ripper link rear (4)			
4	540 994 R91	PIN, ripper link front (4)			
	121 574	WASHER, lock (2)			
	271 547	BOLT (2)			
	492 389 R1	SPACER (2)			
	23 276 R1	WASHER (2)			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RIPPER FRAME AND STABILIZERS (MODEL 395) -					
Continued					
(Part of Ripper Attachment)					
10	540 976 R93	TOOTH ASSEMBLY, ripper (%) (3)			
	392 158 R1	PIN, std-hd			
	180 033	BOLT (3)			
	23 911 R1	NUT, nylon insert (3)			
	540 982 R1	PIN, tooth attaching outer (2)			
	609 836 R1	WASHER, flat (2)			
	20 248 R1	BOLT (6)			
11	547 315 R1	POINT (%) (3)			
12	492 406 R1	PIN, flex (%) (3)			

(%) - Also part of ATTACHMENT,
701 494 C91.

GEARMATIC WINCH AND DRAWBAR



CE-122768

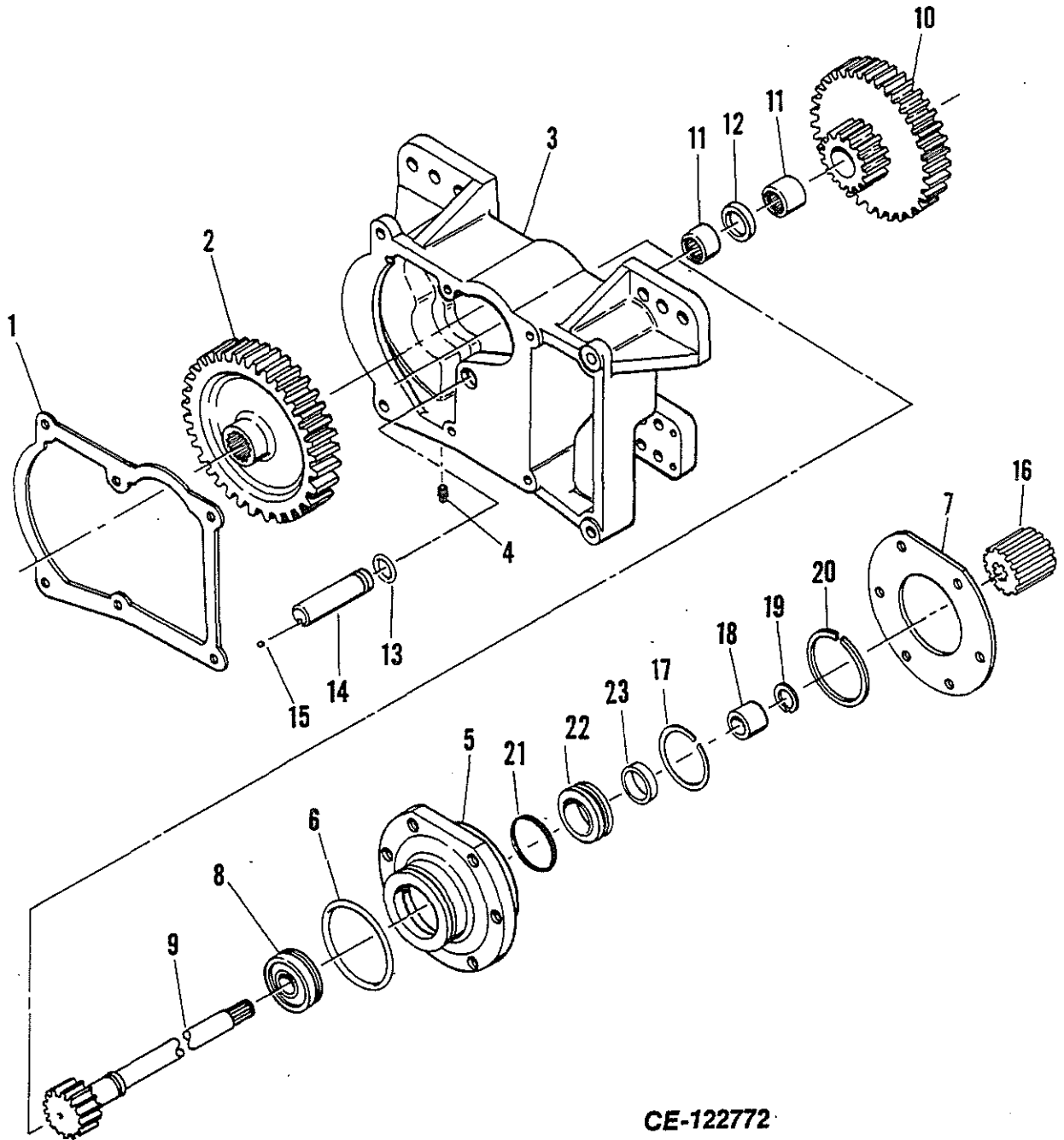
MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARMATIC WINCH AND DRAWBAR – Continued			13	19 998 R1	PIN, coiled spring (A)
A	738 602 C91	ATTACHMENT, swinging drawbar (Used with winch and no rigid drawbar) (See NOTE 2)	14	652 701 C1 652 706 C1 24 896 R1 25 538 R1	HANGER, drawbar (A) SPACER, drawbar plate (2) BOLT (4) WASHER (4)
B	734 780 C91	ATTACHMENT, gearmatic No. 19 winch (Not used with drawbar or ripper and only with ROPS with arched canopy)	15	668 726 C1	DRAWBAR (A)
1		CONTROL ASSEMBLY, winch-master (Refer to "GEARMATIC WINCH MASTER CONTROL") (B)	16	621 010 C1	PIN, drawbar pivot (A)
2	627 286 C1	HOSE w/FITTINGS, brake port on control to brake post on winch (Hose, 1/4" ID x 102" long including fittings) (B)	17	345 552 R1 25 534 R1 24 840 R1	PLATE, pivot pin lock (A) WASHER, flat (2) BOLT (2)
3	627 286 C1	HOSE w/FITTING, clutch port on control to clutch port on winch (Hose, 1/4" ID x 102" long including fittings) (B)	18	621 008 C1	BRACKET, drawbar pivot (A)
4	734 920 C1 24 839 R1 24 840 R1 25 522 R1 25 534 R1 25 544 R1	BRACKET, control support (B) BOLT, 3/4" long (2) BOLT, 1" long (2) NUT (2) WASHER (6) WASHER (2)	19	621 009 C1 25 536 R1 25 526 R1	"U" BOLT, pivot bracket (A) (2) WASHER, flat (4) NUT (4)
5	308 575 R1	CLAMP, hose (B)	327 272 R91		STRAP, hose (B) (2)
6	734 937 C1 24 840 R1 115 093 103 341	PLATE, battery cover (B) SCREW, hex-hd cap WASHER, lock WASHER, flat			
7	323 395 R1	PIN, pivot bracket dowel (A)			
8		ADAPTER ASSEMBLY, winch (Refer to "GEARMATIC WINCH ADAPTER") (B)			
9	9 402 823	ELBOW, 45° (B port) (B)			
10		WINCH ASSEMBLY (Refer to "GEARMATIC WINCH HOUSING AND COVER, GEARMATIC BRAKE CYLINDER AND HYDRAULIC TUBE, GEARMATIC WINCH DRUM AND BRAKE BAND, GEARMATIC WINCH CLUTCH, GEARMATIC WINCH RING GEAR AND PINION SHAFT") (B)			
11	621 006 C1	PIN, quick attaching (A)			
12	621 005 C1	PIN, drawbar clevis (A)			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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GEARMATIC WINCH ADAPTER



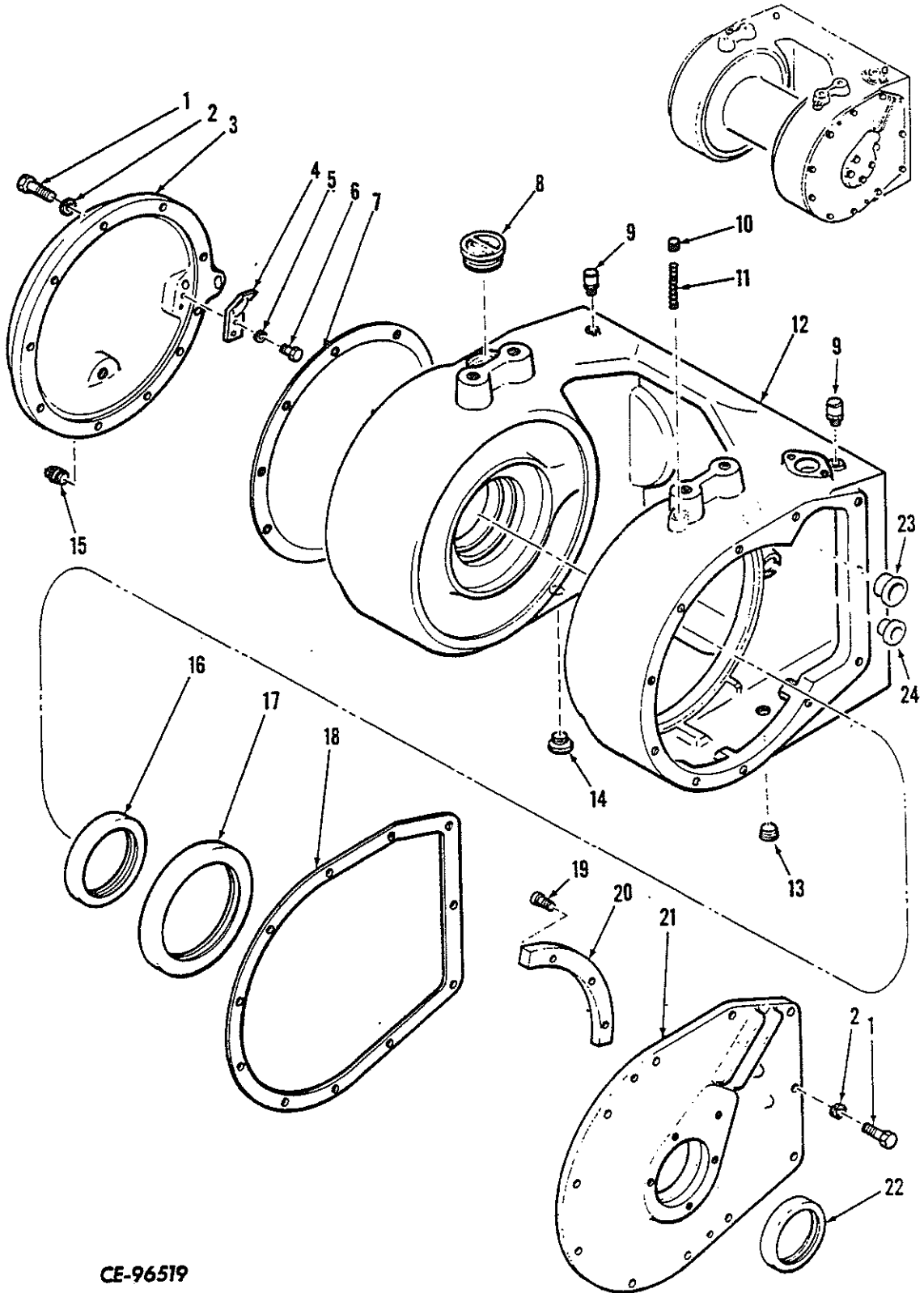
CE-122772

	734 777 C91	ADAPTER ASSEMBLY, winch (Composed of -	2	627 378 C1	GEAR, pinion
1	627 379 C1	GASKET, adapter to winch			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARMATIC WINCH ADAPTER – Continued					
3	637 292 C1	HOUSING, adapter			
	271 635	BOLT, 3/4 x 2-1/4" hex-hd cap (4)			
	271 612	BOLT, 3/4 x 2-1/2" hex-hd cap (4)			
	271 556	BOLT, 5/8 x 1-1/4" hex-hd cap (6)			
	323 213 R1	BOLT, 1-1/8" hex-hd cap (4)			
	20 094 R1	BOLT, 3/4 x 2-1/2" hex-hd cap (2)			
	218 404	NUT (6)			
	627 387 C1	STUD, mounting (6)			
	103 326	WASHER, 3/4" lock (16)			
	120 731	WASHER, 1-1/8 lock (4)			
	103 325	WASHER, 5/8" lock (4)			
4	25 004 R1	PLUG, pipe (2)			
5	627 381 C1	HOUSING, bearing			
6	257 642 R1	"O" RING			
7	627 382 C1	GASKET, bearing housing			
8	ST 256	BEARING, ball			
9	637 291 C1	SHAFT, P.T.O.			
	103 390	PIN, cotter			
10	627 377 C1	GEAR, cluster			
11	627 447 C91	BEARING, needle (2)			
12	627 375 C1	SPACER, bearing			
13	293 739 R1	"O" RING			
14	627 376 C1	PIN, idler			
15	17 008 R1	BALL, steel			
16	637 293 C1	COUPLING, P.T.O. shaft			
	26 153 R1	RING, snap			
17	634 102 C1	RING, snap			
18	627 384 C1	RING, oil seal			
19	233 041 R1	RING, snap			
20	267 743 C1	RING, snap			
21	354 836 R1	"O" RING			
22	634 100 C1	RING, seal			
23	634 101 C1	SEAL, oil			

GEARMATIC WINCH HOUSING AND COVER

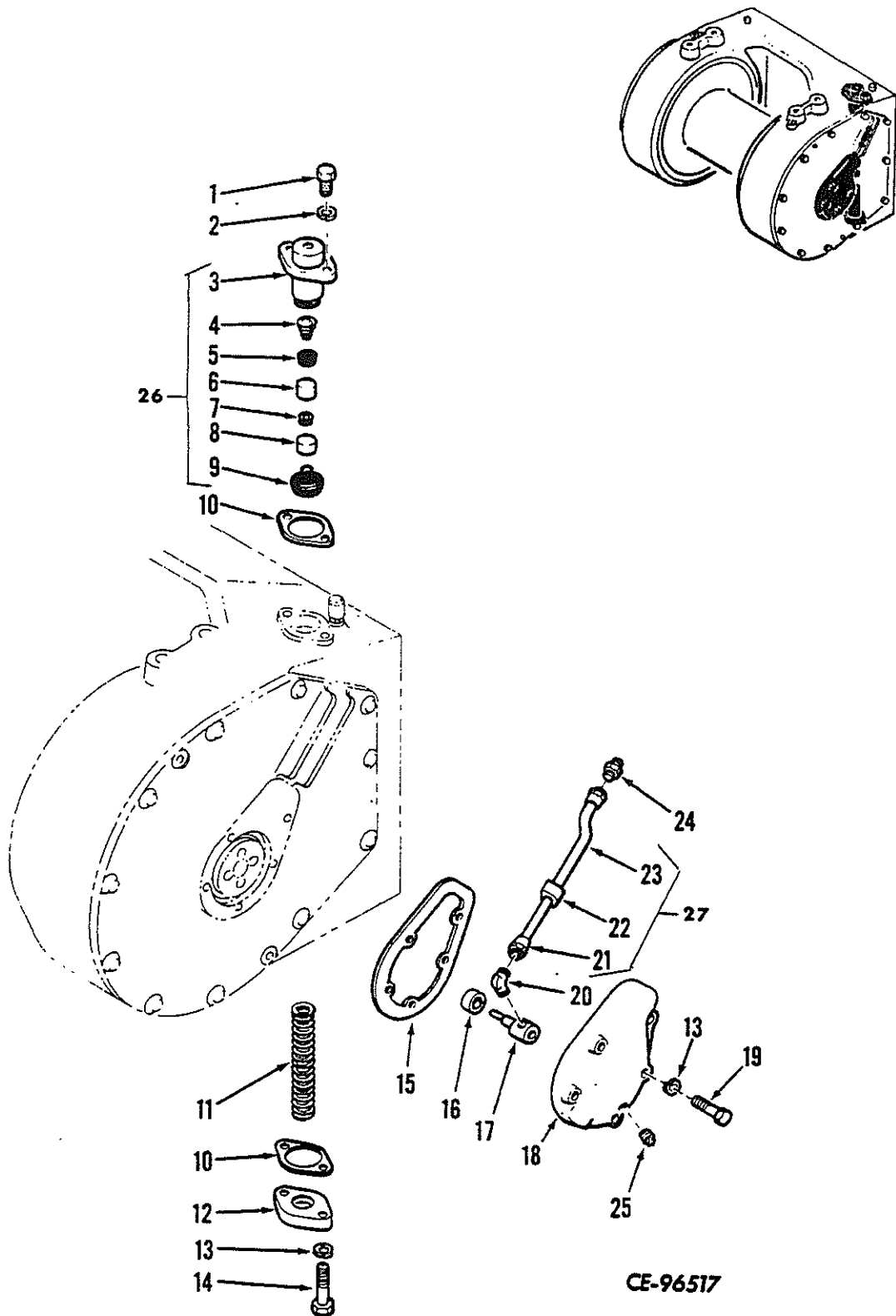


CE-96519

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARMATIC WINCH HOUSING AND COVER –					
Continued					
1	179 883	BOLT (21)			
2	103 323	WASHER, lock (21)			
3	217 635 H1	COVER, gear			
4	217 638 H1	WIPER, oil			
5	120 214	WASHER, lock (2)			
6	25 955 R1	BOLT (2)			
7	217 629 H1	GASKET, gear cover			
8	202 490 H1	PLUG, barrel			
9	217 503 H1	VENT, housing (2)			
10		SCREW, set 7/16 x 7/16" hex-soc set			
11	876 735 C1	SPRING			
12	217 424 H1	HOUSING, winch			
13	444 538	PLUG, pipe			
14	202 491 H1	PLUG, barrel			
15	444 588	PLUG, pipe 3/4"			
16	217 640 H1	SEAL, oil			
17	217 639 H1	SEAL, oil			
18	217 653 H1	GASKET, clutch cover			
19	174 589 H1	BOLT, guide ring			
20	217 679 H1	RING, guide			
21	217 654 H1	COVER, clutch			
22	876 384 C91	SEAL, oil			
23	893 398 C1	PLUG, brake lever			
24	893 397 C1	PLUG, brake lever			

GEARMATIC WINCH BRAKE CYLINDER AND HYDRAULIC TUBE



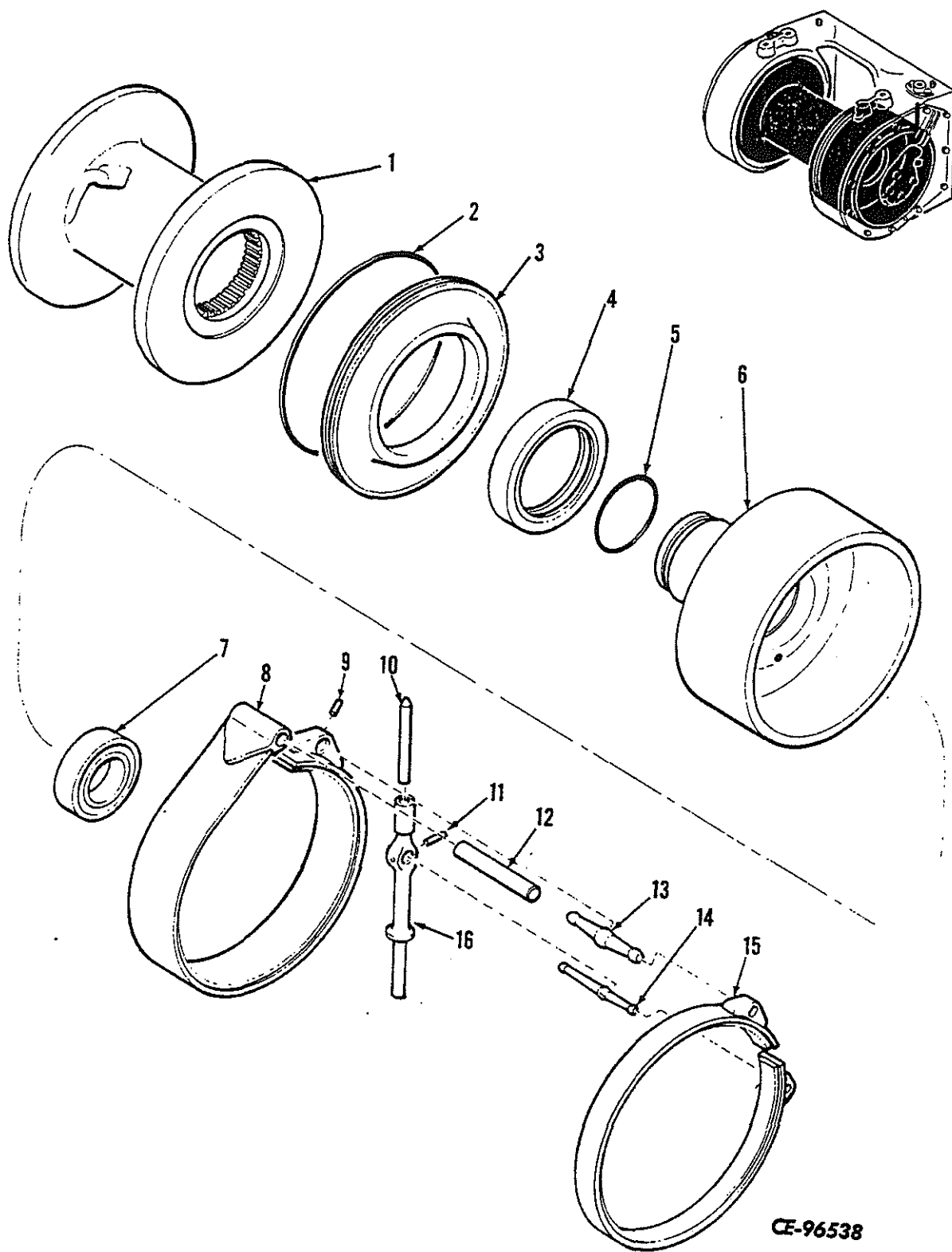
CE-96517

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARMATIC WINCH BRAKE CYLINDER AND HYDRAULIC TUBE – Continued			27	217 663 H1	TUBE ASSEMBLY
				886 015 C1	KIT, brake cylinder assembly repair
					(Consists of -
1	24 840 R1	BOLT (2)		1 BOOT	202 492 H1
2	115 093	WASHER, lock (2)		1 CAPSULE	
3	217 505 H1	CYLINDER, brake		LUBRI-CATING	
4	202 484 H1	SPRING, brake cylinder (+)		FLUID	\$
5	202 476 H1	“U” CUP, brake cylinder (+)		1 GASKET	217 504 H1
6	217 506 H1	PISTON, primary (+)		1 PISTON	217 506 H1
7	217 458 H1	SPRING, piston (+)		1 PISTON	202 477 H1
8	202 477 H1	PISTON, brake cylinder (+)		1 SPRING	202 484 H1
9	202 492 H1	BOOT, brake cylinder (+)		1 SPRING	217 458 H1
10	217 504 H1	GASKET, boot (2) (+)		1 “U” CUP	202 476 H1)
11	217 516 H1	SPRING, brake			
12	217 515 H1	CAP, spring			
13	115 314	WASHER, lock (7)			
14	217 700 H1	BOLT (2)			
15	217 655 H1	GASKET, end cap			
16	217 661 H1	BEARING, ball			
17	217 662 H1	TUBE, hydraulic			
18	217 664 H1	CAP, end			
19	24 850	BOLT (5)			
20	118 753	ELBOW			
21	215 458 H1	NUT, tube (2)			
22	217 524 H1	GROMMET, tube			
23	217 706 H1	TUBE, copper (1/4” OD x 9” long)			
24	217 495 H1	ADAPTER, tube			
25	445 684	PLUG, drain			
26	875 488 C91	CYLINDER ASSEMBLY, brake			

(+)- Also part of KIT, 886 015 C1

GEARMATIC WINCH DRUM AND BRAKE BAND

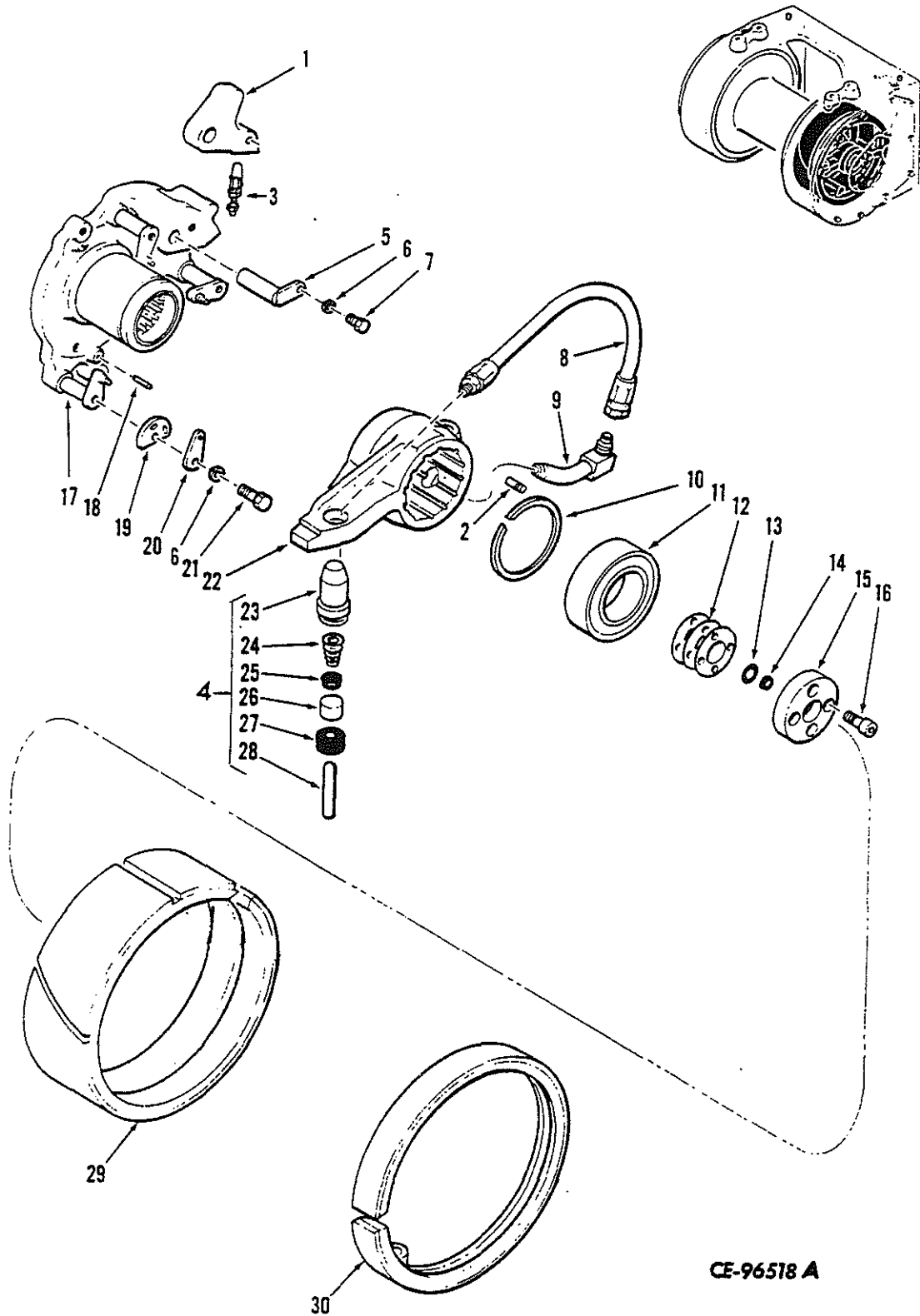


CE-96538

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARMATIC WINCH DRUM AND BRAKE BAND –					
Continued					
1	893 400 C1	DRUM, cable			
2	217 650 H1	“O” RING			
3	217 647 H1	HOUSING, oil seal			
4	217 646 H1	SEAL, oil			
5	217 643 H1	“O” RING			
6	217 649 H1 103 389	DRUM, brake PIN, cotter			
7	217 641 H1	BEARING, ball			
8	217 687 H1	BAND, secondary brake			
9	217 696 H1	PIN, self-lock			
10	217 507 H1	ROD, push			
11	217 689 H1	PIN, self-lock			
12	217 694 H1	PIN, brake anchor			
13	217 695 H1	LEVER, secondary brake			
14	217 688 H1	LEVER, primary brake			
15	217 686 H1	BAND, primary brake			
16	893 399 C1	BLOCK, lever			

GEARMATIC WINCH CLUTCH



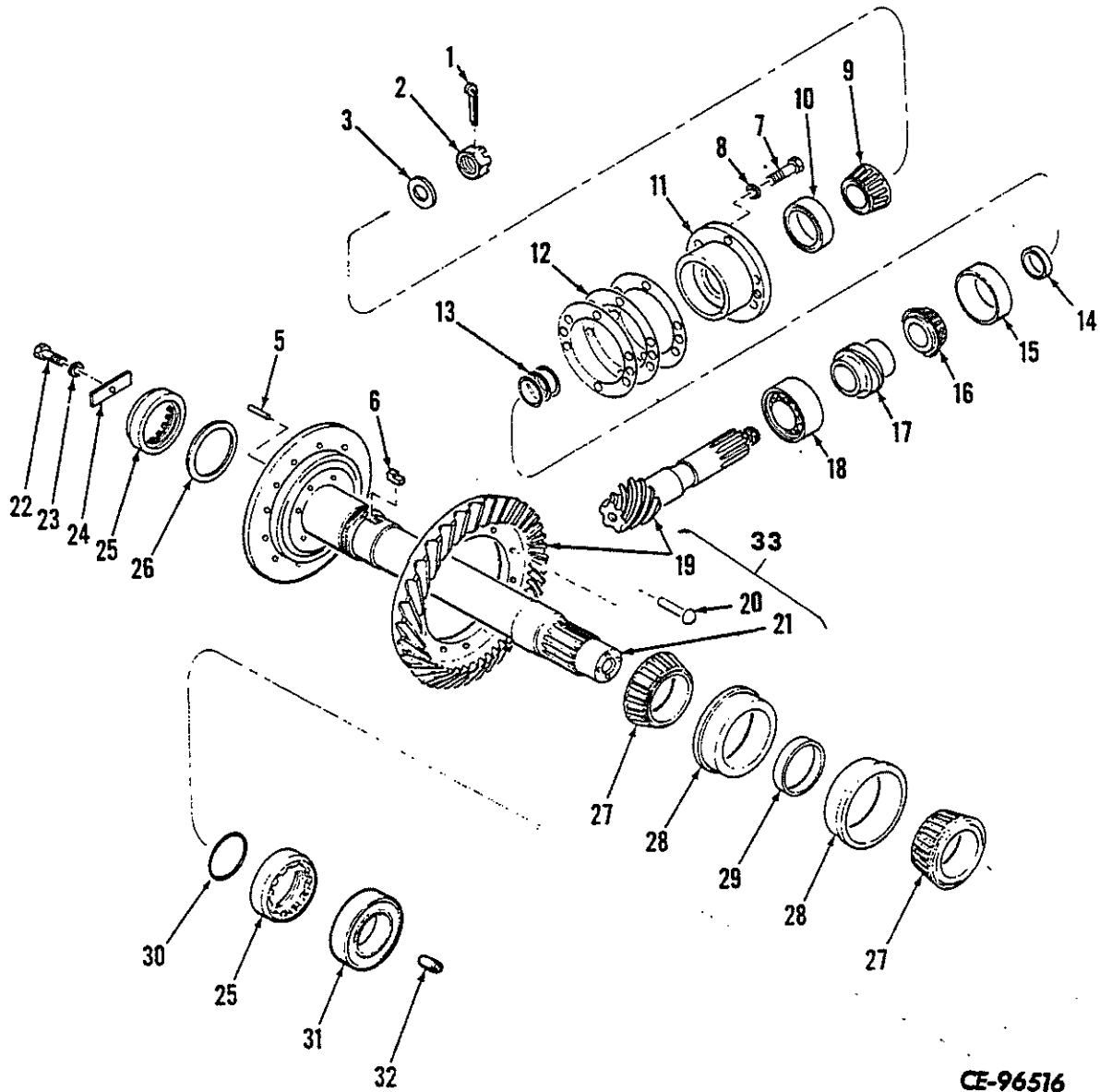
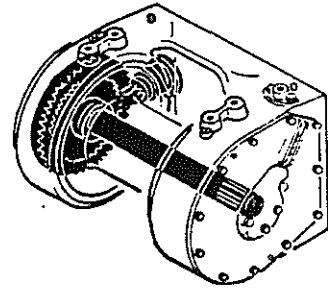
CE-96518 A

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARMATIC WINCH CLUTCH – Continued			27	202 495 H1	BOOT, clutch cylinder (@)
1	881 026 C1	ARM, lever	28	217 692 H1	ROD, clutch push
2		NOT USED	29	217 651 H3	BAND, secondary clutch
3	560 928 C91	ROD, clutch adjusting	30	217 652 H2	BAND, primary clutch
4	893 395 C91	CYLINDER ASSEMBLY, clutch	893 396 C1	KIT, clutch cylinder assembly repair (Consists of -	
5	217 666 H1	PIN, pivot	1	BOOT	202 495 H1
6	115 093	WASHER, lock (7)	1	PISTON	202 481 H1
7	24 839 R1	BOLT	1	SPRING	202 484 H1
8	217 693 H1	HOSE	1	"U" CUP	177 320 H1)
9	890 875 C1	FITTING, hydraulic			
10	169 121 H1	RING, snap			
11	217 656 H1	BEARING, ball			
12	217 658 H1	SHIM, set			
13	217 660 H1	"O" RING			
14	202 462 H1	"U" SEAL			
15	217 659 H1	CAP, gland			
16		SCREW, 3/8" NF x 1-1/4" soc-hd cap (4)			
17	217 648 H2	HUB, clutch			
18	17 175 R1	PIN, self-lock (3)			
19	924 234 C1	CAM, adjusting (6)			
20	217 549 H1	PLATE, lock (6)			
21	24 840 R1	BOLT (6)			
22	881 028 C1	LEVER, clutch			
23	202 480 H1	CYLINDER, clutch			
24	202 484 H1	SPRING, clutch (@)			
25	177 320 H1	"U" CUP (@)			
26	202 481 H1	PISTON, clutch (@)			

(@) - Also part of KIT, 893 396 C1

GEARMATIC WINCH RING GEAR AND PINION SHAFT

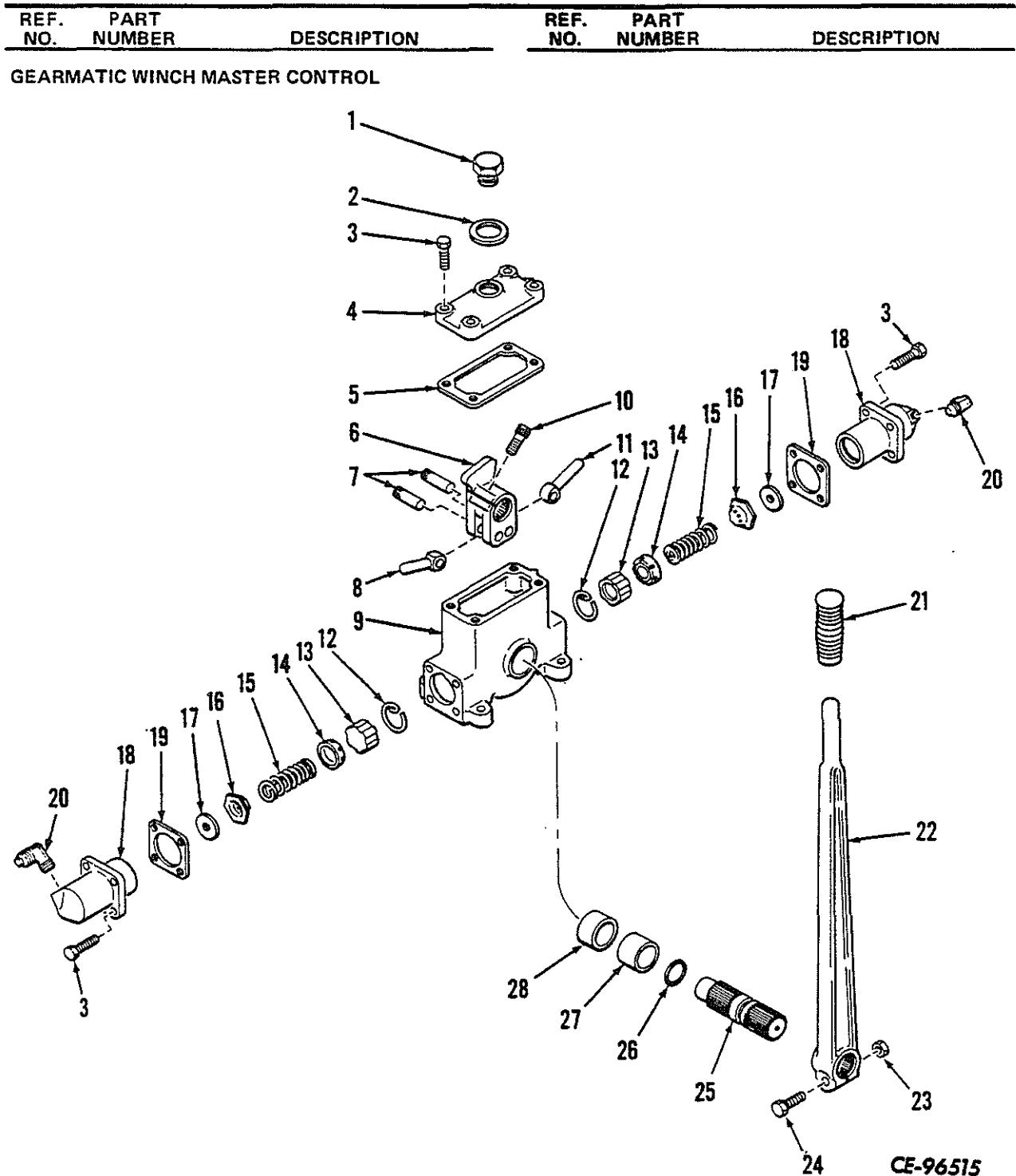


CE-96516

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARMATIC WINCH RING GEAR AND PINION SHAFT – Continued			31	217 641 H1	BEARING, ball
			32	217 522 H1	CUP, retainer (Part of DRUM, 217 705 H1)
1		PIN, 1/8 x 2-1/4" cotter	33	217 630 H1	GEAR PINION and SHAFT ASSEMBLY
2	217 624 H1	NUT, pinion		217 626 H1	HOUSING ASSEMBLY, bearing (Includes Ref. Nos. 9 thru 11 and 13 thru 16)
3	217 623 H1	WASHER, flat			
4		NOT USED			
5	217 631 H1	SET, pinion adjusting (6 matched)			
6	217 691 H1	PLATE, lock			
7	24 874 R1	BOLT (6)			
8		WASHER, 11/16 x 1-3/4" x 10 ga flat (6)			
9	ST 954	CUP, bearing			
10	ST 2 005 A	CONE, bearing			
11	217 709 H1	HOUSING, bearing			
12	217 425 H1	SET, shim			
13	217 711 H1	SET, shim			
14	217 712 H1	SPACER, bearing			
15	ST 957	CUP, bearing			
16	49 372 H	CONE, bearing			
17	217 627 H1	SLEEVE, spacer			
18	495 596 R91	BEARING, roller			
19	217 703 H1	CROWN GEAR and PINION			
20	217 704 H1	RIVET (16)			
21	217 705 H1	DRUM w/CUP, 217 522 H1, shaft			
22		BOLT, 3/8" NF x 3/4" hex-hd cap			
23	115 093	WASHER, lock			
24	217 634 H1	PLATE, lock			
25	217 633 H1	LOCKNUT (2)			
26	217 632 H1	SPACER, thrust			
27	217 708 H1	CONE, bearing (2)			
28	217 707 H1	CUP, bearing (2)			
29	217 637 H1	SPACER, bearing			
30	217 449 H1	"O" RING			

MOUNTED EQUIPMENT



215 334 H1 CONTROL ASSEMBLY, winch master
 25 522 R1 NUT (4)
 24 481 R1 BOLT (4)
 115 093 WASHER, lock (4)
 (Composed of -

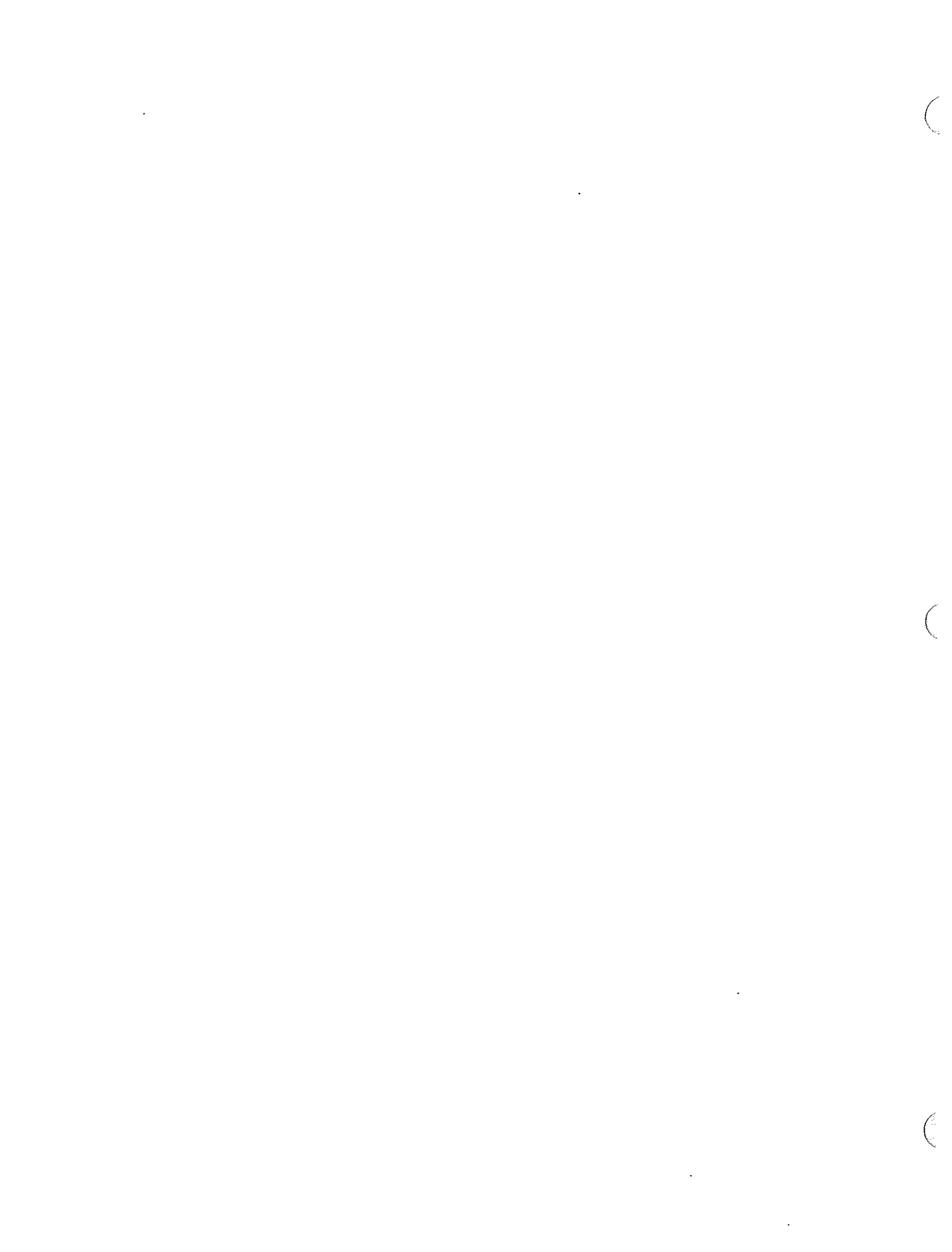
2 202 461 H1 WASHER, fibre
 3 25 492 R1 BOLT (12)
 4 202 513 H1 COVER, housing
 5 202 517 H1 GASKET, cover

1 202 516 H1 CAP, filler

CE-96515

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARMATIC WINCH MASTER CONTROL –					
Continued					
6	202 523 H1	ARM, rocker			
7	202 524 H1	PIN, push rod (2)			
8	892 356 C1	ROD, short push			
9	202 482 H2	HOUSING, winch master control			
10	202 518 H1	BOLT, rocker arm			
11	892 357 C1	ROD, long push			
12	202 530 H1	RING, lock (2)			
13	202 531 H1	PISTON, cylinder (2)			
14	202 532 H1	“U” CUP (2)			
15	202 533 H1	SPRING, cylinder (2)			
16	202 528 H1	VALVE w/WASHER, 875 429 C1, cylinder (2)			
17	875 429 C1	WASHER, rubber (2)			
18	202 534 H1	CYLINDER (2)			
19	202 529 H1	GASKET, cylinder (2)			
20	166 195 H1	ELBOW (2)			
21	202 515 H1	GRIP, hand			
22	202 514 H1	HANDLE, control			
23		NUT, 3/8” NF lock			
24		BOLT, 3/8” NF x 1-3/4”			
25	202 519 H1	SHAFT, control			
26	202 521 H1	“O” RING			
27	202 520 H1	BUSHING, housing			
28	892 377 C1	BUSHING, housing			
	875 485 C91	CYLINDER ASSEMBLY, master winch control (2) (Includes Ref. Nos. 12 thru 18)			
	892 529 C91	HOUSING ASSEMBLY, master winch control (Includes Ref. Nos. 9, 27 and 28)			
	886 014 C1	KIT, cylinder assembly repair (Services one cylinder assembly)			



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NUMERICAL INDEX

NUMERICAL INDEX

PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.
IHMFF 24	8 - 2	49 372 H	17 - 27	120 467 H	9 - 6	217 495 H1	17 - 21
IHMFF 24 H	8 - 2	49 464 OA	12 - 2	121 211	7 - 12	217 503 H1	17 - 19
ST 205 A	7 - 3	52 062 D	8 - 5	121 621	10 - 26	217 504 H1	17 - 21
ST 256	17 - 17	52 917 R1	7 - 21	122 077	8 - 12	217 505 H1	17 - 21
ST 954	17 - 27	53 198 D	2 - 8	122 316 R91	4 - 3	217 506 H1	17 - 21
ST 957	17 - 27	53 199 D	2 - 8	126 152	4 - 3	217 507 H1	17 - 23
ST 983	7 - 5	53 200 D	2 - 8	132 768	8 - 17	217 515 H1	17 - 21
ST 987	7 - 7	53 201 D	2 - 8	134 566	8 - 12	217 516 H1	17 - 21
ST 987	7 - 8	53 202 D	2 - 7	134 566	8 - 13	217 522 H1	17 - 27
ST 2 005 A	17 - 27	53 203 D	2 - 8	135 523 R1	10 - 14	217 524 H1	17 - 21
ST 2 094	7 - 5	53 205 D	2 - 8	137 209	17 - 7	217 549 H1	17 - 25
ST 2 118	7 - 7	53 206 D	2 - 7	138 489	10 - 30	217 623 H1	17 - 27
ST 2 118	7 - 8	53 207 D	2 - 8	138 530	8 - 7	217 624 H1	17 - 27
Q 3 481	6 - 5	53 209 D	2 - 8	138 530	8 - 8	217 626 H1	17 - 27
S 5 375	10 - 12	55 479 D	2 - 7	138 557	8 - 15	217 627 H1	17 - 27
16 964 R91	17 - 7	55 482 D	2 - 7	139 541 H	17 - 8	217 629 H1	17 - 19
17 007 P1	10 - 26	55 490 R91	7 - 19	140 581	6 - 5	217 630 H1	17 - 27
17 008 R1	17 - 17	63 323 D	8 - 5	141 621	10 - 33	217 631 H1	17 - 27
17 010 R1	7 - 22	63 323 D	11 - 4	142 150	8 - 2	217 632 H1	17 - 27
17 010 R1	10 - 22	63 323 D	11 - 7	148 344	6 - 5	217 633 H1	17 - 27
17 014 R1	2 - 8	67 055 C1	10 - 9	150 776 C91	7 - 9	217 634 H1	17 - 27
17 067 R1	7 - 22	77 582 C91	2 - 5	150 776 C91	7 - 10	217 635 H1	17 - 19
17 175 R1	17 - 25	92 779 R1	6 - 5	150 776 C91	10 - 11	217 637 H1	17 - 27
19 424 R1	14 - 4	92 779 P1	8 - 2	153 343 H1	13 - 6	217 638 H1	17 - 19
19 424 R1	14 - 6	92 779 R1	13 - 4	166 195 H1	17 - 29	217 639 H1	17 - 19
19 457 R1	4 - 3	102 467 H	9 - 8	169 121 H1	17 - 25	217 640 H1	17 - 19
19 904 R1	7 - 13	103 323	17 - 19	174 589 H1	17 - 19	217 641 H1	17 - 23
19 938 R1	12 - 9	103 343	10 - 7	176 027 H1	8 - 5	217 641 H1	17 - 27
19 942 R1	7 - 24	103 343	14 - 2	177 320 H1	17 - 25	217 643 H1	17 - 23
19 955 R1	7 - 5	103 365	17 - 8	179 790	2 - 8	217 646 H1	17 - 23
19 998 R1	9 - 2	103 372	2 - 7	179 847	10 - 25	217 647 H1	17 - 23
19 998 R1	17 - 15	103 379	17 - 7	179 883	17 - 19	217 648 H2	17 - 25
20 251 R1	10 - 6	103 495	17 - 7	186 284	10 - 25	217 649 H1	17 - 23
20 328 R1	17 - 7	103 496	12 - 9	187 491	10 - 25	217 650 H1	17 - 23
21 277 R1	7 - 15	103 496	12 - 10	194 298 R1	7 - 5	217 651 H3	17 - 25
21 277 R1	7 - 19	103 498	4 - 3	202 206 H1	10 - 9	217 652 H2	17 - 25
21 924 R1	7 - 19	103 499	4 - 3	202 451 H1	7 - 3	217 653 H1	17 - 19
22 288 R1	10 - 33	104 038	12 - 9	202 461 H1	17 - 28	217 654 H1	17 - 19
M 22 352	13 - 6	104 038	12 - 10	202 462 H1	17 - 25	217 655 H1	17 - 21
22 410 R1	7 - 13	104 942	9 - 4	202 476 H1	17 - 21	217 656 H1	17 - 25
23 221 P1	2 - 9	105 404	7 - 11	202 477 H1	17 - 21	217 658 H1	17 - 25
23 872 R1	8 - 6	105 404	10 - 11	202 480 H1	17 - 25	217 659 H1	17 - 25
23 914 R1	10 - 33	105 407	9 - 4	202 481 H1	17 - 25	217 660 H1	17 - 25
24 839 R1	8 - 2	105 413	9 - 4	202 482 H2	17 - 29	217 661 H1	17 - 21
24 839 R1	17 - 25	105 422	7 - 11	202 484 H1	17 - 21	217 662 H1	17 - 21
24 840 R1	17 - 21	106 623	8 - 7	202 484 H1	17 - 25	217 663 H1	17 - 21
24 840 R1	17 - 25	107 762	12 - 10	202 490 H1	17 - 19	217 664 H1	17 - 21
24 850	17 - 21	107 763	17 - 8	202 491 H1	17 - 19	217 666 H1	17 - 25
24 874 R1	17 - 27	109 390	9 - 10	202 492 H1	17 - 21	217 679 H1	17 - 19
24 882 R1	13 - 6	109 461	8 - 10	202 495 H1	17 - 25	217 686 H1	17 - 23
25 004 R1	17 - 17	109 461	10 - 6	202 513 H1	17 - 28	217 687 H1	17 - 23
25 126 R1	10 - 3	109 461	14 - 4	202 514 H1	17 - 29	217 688 H1	17 - 23
25 126 R1	10 - 4	109 461	17 - 2	202 515 H1	17 - 29	217 689 H1	17 - 23
25 126 R1	10 - 5	109 461	17 - 3	202 516 H1	17 - 28	217 691 H1	17 - 27
25 355 R1	7 - 8	109 461	17 - 12	202 517 H1	17 - 28	217 692 H1	17 - 25
25 492 R1	17 - 28	109 462	17 - 3	202 518 H1	17 - 29	217 693 H1	17 - 25
25 534 R1	8 - 2	109 941	8 - 7	202 519 H1	17 - 29	217 694 H1	17 - 23
25 696 R1	13 - 6	110 146 R91	9 - 6	202 520 H1	17 - 29	217 695 H1	17 - 23
25 934 R1	12 - 10	110 146 R91	9 - 8	202 521 H1	17 - 29	217 696 H1	17 - 23
25 955 R1	17 - 19	110 146 R91	17 - 6	202 523 H1	17 - 29	217 700 H1	17 - 21
27 128 H	7 - 21	112 700 P1	10 - 7	202 524 H1	17 - 29	217 703 H1	17 - 27
27 133 R1	8 - 7	114 494	17 - 7	202 528 H1	17 - 29	217 704 H1	17 - 27
27 366 R1	7 - 4	115 093	8 - 2	202 529 H1	17 - 29	217 705 H1	17 - 27
27 432 R1	7 - 21	115 093	17 - 21	202 530 H1	17 - 29	217 706 H1	17 - 21
27 712 R1	10 - 8	115 093	17 - 25	202 531 H1	17 - 29	217 707 H1	17 - 27
27 713 P1	10 - 8	115 093	17 - 27	202 532 H1	17 - 29	217 708 H1	17 - 27
28 099 R1	7 - 13	115 314	17 - 21	202 533 H1	17 - 29	217 709 H1	17 - 27
28 101 R1	7 - 14	117 175	17 - 7	202 534 H1	17 - 29	217 711 H1	17 - 27
28 265 R1	7 - 16	117 926	9 - 4	210 511 H1	6 - 4	217 712 H1	17 - 27
28 265 R1	7 - 19	118 753	17 - 21	215 334 H1	17 - 28	221 425 R1	8 - 13
31 729 D	12 - 6	118 833	11 - 3	215 458 H1	17 - 21	222 648 H1	10 - 13
35 229 H	12 - 9	119 117	17 - 8	217 424 H1	17 - 19	233 041 H1	17 - 17
39 659 D	2 - 8	119 120	17 - 7	217 425 H1	17 - 27	251 846 H1	12 - 4
40 635 D	2 - 7	120 214	17 - 19	217 449 H1	17 - 27	252 707 H1	7 - 22
40 638 D	2 - 7	120 361	8 - 12	217 458 H1	17 - 21	252 707 H1	7 - 23

NUMERICAL INDEX

PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.
254 091 R1	10 - 33	327 090 R2	7 - 15	386 121 R92	10 - 33	541 013 R3	17 - 12
257 264 C1	17 - 7	327 272 P91	17 - 15	387 370 P1	10 - 6	541 024 P1	17 - 11
257 642 R1	17 - 17	327 273 P91	6 - 3	387 371 R1	10 - 6	541 026 R1	17 - 11
258 400 C1	7 - 19	327 273 P91	7 - 10	387 373 R1	10 - 6	543 965 R92	2 - 6
259 190 R1	9 - 4	327 273 K91	7 - 12	387 374 R1	10 - 6	547 315 R1	17 - 11
259 246 R1	7 - 13	327 273 P91	7 - 21	387 375 W1	10 - 3	547 315 R1	17 - 13
261 650 R1	12 - 8	327 465 R1	12 - 10	387 375 R1	10 - 4	547 496 K92	2 - 5
263 717 R91	8 - 5	327 910 R2	7 - 21	387 375 R1	10 - 5	547 498 R92	2 - 5
263 943 R1	15 - 2	327 912 R4	7 - 21	387 399 R2	10 - 6	549 973 C91	2 - 9
264 055 R2	17 - 7	331 953 R2	7 - 21	391 733 R1	10 - 25	560 928 C91	17 - 25
264 097 R2	10 - 34	333 074 R1	4 - 3	391 806 R1	10 - 11	562 008 R1	6 - 5
264 097 R2	12 - 9	333 457 R1	10 - 13	391 905 R93	10 - 6	562 008 R1	8 - 2
264 097 R2	17 - 7	333 774 R1	12 - 6	393 349 R1	10 - 25	562 008 R1	13 - 4
264 097 R2	17 - 8	333 934 R1	7 - 12	393 349 R1	10 - 27	570 828 P1	10 - 2
265 204 R1	12 - 6	336 627 R91	7 - 10	400 745 W1	10 - 6	570 828 R1	10 - 10
265 205 R1	12 - 6	338 064 R1	8 - 5	403 844 R1	10 - 6	570 828 R1	10 - 14
266 098 R91	8 - 4	338 159 R1	14 - 7	426 368	10 - 27	570 828 R1	10 - 15
266 770 R91	8 - 10	338 835 R1	10 - 7	432 327	11 - 2	573 206 R1	10 - 17
267 743 C1	17 - 17	343 608 R1	10 - 14	432 439	13 - 7	585 694 R1	7 - 11
267 787 R91	8 - 5	343 900 R1	10 - 25	432 496	8 - 2	585 694 R1	7 - 12
268 996 R1	14 - 4	343 900 R1	10 - 26	432 607	13 - 7	601 244 C1	7 - 7
269 181 R1	10 - 26	343 900 R1	10 - 27	432 610	13 - 7	603 867 C1	12 - 7
269 192 R1	4 - 3	343 906 R1	7 - 9	432 759	10 - 34	606 265 C91	7 - 3
270 835 R1	7 - 7	345 552 R1	17 - 15	444 024	11 - 7	606 298 C91	8 - 15
270 835 R1	7 - 8	346 737 R1	11 - 8	444 252	7 - 12	606 299 C91	8 - 15
271 647 P1	9 - 4	346 822 R1	10 - 8	444 253	8 - 10	606 819 C1	19 - 7
272 122	10 - 26	346 944 R91	7 - 12	444 476	11 - 2	606 925 C1	11 - 4
274 287 R2	6 - 4	347 421 R1	4 - 3	444 538	17 - 19	606 925 C1	11 - 7
276 956 R91	8 - 5	347 554 R1	7 - 3	444 588	17 - 19	606 926 C1	11 - 4
277 153 R1	2 - 7	347 757 R1	10 - 9	444 613	7 - 12	606 926 C1	11 - 7
278 919 R1	2 - 8	347 768 R1	7 - 21	444 613	7 - 12	606 927 C1	11 - 7
279 038 R91	6 - 4	350 667 R1	10 - 21	444 652	11 - 7	606 999 C1	11 - 4
280 668 R91	10 - 33	350 818 R1	10 - 6	444 660	14 - 6	606 999 C1	11 - 7
290 045 R1	7 - 10	354 836 R1	17 - 17	444 660	14 - 7	608 244 C1	12 - 7
292 929 R1	9 - 11	357 557 R1	10 - 34	444 661	7 - 13	610 040 C1	11 - 4
292 931 R1	9 - 11	359 105 R1	6 - 13	444 661	7 - 24	610 213 C91	11 - 12
293 349 P91	11 - 8	360 677 R1	4 - 2	444 684	10 - 8	610 694 C1	12 - 7
293 739 R1	17 - 17	363 444 R1	6 - 4	444 692	7 - 22	610 766 C1	7 - 19
296 247 P1	10 - 11	363 444 R1	8 - 5	445 039	8 - 12	610 766 C91	7 - 16
296 247 P1	10 - 13	363 660 R1	8 - 4	445 684	17 - 21	610 858 C1	11 - 7
296 247 P1	10 - 15	364 436 R1	7 - 21	453 284	8 - 12	611 409 C1	19 - 6
296 247 R1	10 - 17	364 885 R1	10 - 20	453 433	8 - 15	613 908 C1	6 - 4
296 247 R1	10 - 19	366 460 P1	6 - 5	453 434	8 - 17	616 176 C1	12 - 2
296 247 R1	10 - 25	366 460 R1	11 - 4	453 435	8 - 12	616 180 C1	12 - 2
297 459 R1	10 - 25	366 694 C1	7 - 14	453 435	8 - 15	616 181 C1	15 - 2
299 404 C1	12 - 7	366 694 C1	7 - 19	453 453 C1	8 - 15	616 270 C1	7 - 21
299 609 C1	8 - 5	367 478 R1	7 - 6	453 996	8 - 12	617 051 C1	10 - 22
300 027 R1	2 - 9	368 269 R1	6 - 3	468 339 P1	7 - 3	617 068 C1	7 - 21
300 486 R1	12 - 10	368 269 R1	10 - 17	474 074 R1	6 - 3	617 112 C1	7 - 21
300 657 P1	11 - 2	372 821 P1	7 - 22	492 406 R1	17 - 11	617 259 C1	5 - 5
301 016 P1	7 - 14	372 821 R1	7 - 23	492 406 R1	17 - 13	617 259 C1	11 - 8
301 016 P1	10 - 12	373 662 P91	8 - 7	492 472 R1	17 - 11	618 688 C2	10 - 33
303 706 R1	8 - 8	373 662 R91	8 - 8	495 596 R91	17 - 27	618 688 C2	12 - 7
303 706 R1	8 - 9	374 011 P91	7 - 16	514 161 R1	4 - 3	618 825 C2	2 - 9
306 132 C1	11 - 8	374 011 P91	7 - 19	527 704 R2	12 - 3	618 826 C2	2 - 9
307 839 R1	7 - 21	374 041 P1	7 - 3	529 789 R91	10 - 6	618 988 C1	9 - 7
308 575 R1	17 - 15	376 463 C1	7 - 15	529 841 R1	10 - 6	618 988 C1	9 - 9
308 581 R1	10 - 12	376 463 C1	7 - 20	529 844 R1	10 - 6	618 988 C1	9 - 10
308 581 R1	10 - 14	376 852 R91	8 - 6	529 847 R1	10 - 6	618 988 C1	17 - 2
308 872 R1	7 - 10	378 478 R1	10 - 6	540 968 R1	17 - 12	618 988 C1	17 - 3
308 882 R1	7 - 10	380 633 R1	7 - 11	540 976 P93	17 - 11	618 988 C1	17 - 6
309 015 R91	2 - 7	380 633 R1	10 - 11	540 976 R93	17 - 13	619 214 C1	17 - 6
309 056 R1	2 - 9	380 633 R1	10 - 17	540 983 R1	17 - 12	619 586 C91	7 - 13
310 923 R1	2 - 7	380 633 R1	10 - 19	540 990 R1	17 - 12	619 621 C91	7 - 3
310 924 R91	2 - 4	381 342 R92	12 - 2	540 994 R91	17 - 12	619 614 C1	17 - 7
310 944 R91	2 - 6	381 873 C1	10 - 2	540 998 R1	17 - 12	619 893 C1	7 - 3
310 944 R91	2 - 8	381 873 R1	19 - 6	541 001 R1	17 - 12	619 894 C1	13 - 6
311 500 R1	10 - 14	382 137 R1	7 - 22	541 003 R1	17 - 12	619 899 C1	7 - 3
314 798 R1	7 - 10	383 017 R1	10 - 6	541 004 R1	10 - 20	619 915 C91	7 - 3
317 262 R1	6 - 3	384 376 P1	10 - 25	541 006 R1	10 - 20	619 921 C1	5 - 2
317 942 P1	7 - 19	384 554 R1	8 - 4	541 008 R1	10 - 20	619 927 C91	6 - 5
319 628 R91	14 - 4	384 554 P1	11 - 7	541 009 P1	10 - 20	619 949 C91	7 - 3
323 395 R1	17 - 15	384 558 R1	8 - 5	541 010 P1	10 - 20	619 950 C91	7 - 3
324 051 R1	17 - 20	384 559 R1	11 - 3	541 011 R1	10 - 20	619 951 C1	7 - 3
324 653 R1	12 - 10	384 943 R1	10 - 27	541 012 R1	10 - 20	619 952 C1	7 - 3

NUMERICAL INDEX

PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.
619 954 C1	7 - 3	621 059 C1	7 - 5	621 540 C91	14 - 5	622 336 C1	7 - 7
619 955 C1	7 - 3	621 064 C91	7 - 6	621 541 C2	14 - 5	622 337 C1	7 - 7
619 956 C1	7 - 3	621 066 C1	7 - 6	621 546 C1	9 - 4	622 429 C1	17 - 9
619 957 C1	7 - 3	621 068 C2	7 - 6	621 547 C1	9 - 4	622 450 C1	6 - 3
619 958 C1	7 - 3	621 069 C1	7 - 6	621 549 C1	9 - 4	622 456 C1	6 - 4
619 959 C1	7 - 3	621 070 C91	7 - 6	621 550 C2	14 - 2	622 460 C1	6 - 4
619 961 C1	7 - 3	621 073 C91	7 - 6	621 554 C1	14 - 2	622 461 C1	6 - 4
619 962 C1	7 - 3	621 087 C1	4 - 2	621 575 C1	9 - 4	622 462 C1	6 - 4
619 963 C1	7 - 3	621 090 C91	4 - 2	621 576 C1	9 - 4	622 465 C1	6 - 4
619 964 C1	7 - 3	621 090 C91	9 - 4	621 578 C92	12 - 7	622 466 C1	13 - 3
619 965 C1	7 - 3	621 102 C1	7 - 8	621 619 C1	13 - 4	622 467 C91	13 - 3
619 966 C2	7 - 3	621 103 C1	7 - 8	621 620 C1	13 - 4	622 509 C91	13 - 5
619 967 C1	7 - 3	621 104 C1	7 - 8	621 622 C1	13 - 4	622 513 C1	6 - 2
619 968 C1	7 - 3	621 105 C92	7 - 7	621 626 C1	12 - 6	622 514 C1	6 - 2
619 972 C1	7 - 3	621 106 C92	7 - 7	621 629 C1	8 - 2	622 535 C2	6 - 5
619 982 C91	7 - 3	621 109 C2	7 - 8	621 629 C1	10 - 33	622 539 C1	6 - 5
619 985 C1	6 - 2	621 110 C2	7 - 8	621 639 C91	11 - 2	622 539 C1	8 - 2
620 528 C2	17 - 2	621 111 C1	7 - 7	621 646 C1	11 - 2	622 539 C1	13 - 4
620 529 C1	17 - 2	621 112 C1	7 - 7	621 651 C1	11 - 3	622 541 C1	8 - 2
620 530 C1	17 - 2	621 113 C92	7 - 7	621 652 C1	11 - 3	622 541 C1	13 - 4
620 539 C93	9 - 10	621 137 C1	7 - 8	621 653 C1	11 - 2	622 551 C1	13 - 3
620 562 C1	9 - 8	621 140 C1	7 - 8	621 660 C91	11 - 7	622 552 C91	13 - 4
620 562 C1	9 - 10	621 156 C1	7 - 13	621 670 C2	9 - 5	622 566 C3	7 - 7
620 563 C1	17 - 2	621 157 C1	7 - 13	621 711 C1	12 - 3	622 618 C91	9 - 2
620 564 C1	9 - 10	621 158 C1	7 - 13	621 712 C2	12 - 3	622 663 C2	10 - 7
620 600 C92	10 - 5	621 269 C1	7 - 3	621 719 C1	12 - 3	622 680 C1	10 - 21
620 601 C1	10 - 5	621 295 C91	15 - 2	621 720 C1	12 - 3	622 682 C1	10 - 21
620 604 C1	10 - 5	621 296 C1	15 - 2	621 764 C1	8 - 13	622 683 C1	10 - 21
620 607 C1	10 - 3	621 297 C1	15 - 2	621 765 C1	8 - 13	622 684 C1	10 - 21
620 607 C1	10 - 4	621 300 C91	4 - 3	621 768 C1	8 - 13	622 702 C1	11 - 7
620 607 C1	10 - 5	621 302 C1	4 - 3	621 769 C1	8 - 13	622 755 C91	12 - 10
620 609 C2	10 - 3	621 307 C1	4 - 3	621 770 C1	6 - 2	622 759 C1	6 - 5
620 609 C2	10 - 4	621 310 C1	4 - 3	621 771 C91	8 - 6	622 781 C91	7 - 6
620 609 C2	10 - 5	621 318 C1	4 - 3	621 786 C91	9 - 2	622 782 C92	7 - 8
620 610 C92	10 - 3	621 319 C1	4 - 3	621 791 C91	14 - 7	622 805 C91	2 - 5
620 611 C1	10 - 3	621 338 C1	14 - 2	621 803 C1	10 - 10	622 808 C1	2 - 5
620 613 C1	10 - 3	621 341 C1	14 - 2	621 804 C91	10 - 21	622 825 C91	14 - 5
620 615 C92	10 - 4	621 348 C1	14 - 7	621 813 C1	8 - 4	622 829 C91	10 - 22
620 616 C1	10 - 4	621 349 C1	14 - 7	621 813 C91	8 - 4	622 831 C91	10 - 21
620 619 C1	10 - 4	621 353 C1	14 - 7	621 820 C1	8 - 6	622 873 C91	10 - 17
620 621 C1	9 - 11	621 354 C1	14 - 7	621 822 C1	4 - 2	622 874 C91	10 - 19
620 621 C1	17 - 6	621 360 C1	14 - 7	621 827 C91	8 - 8	622 930 C91	17 - 9
620 863 C1	9 - 6	621 405 C1	14 - 3	621 984 C1	13 - 2	622 932 C91	17 - 9
620 863 C1	9 - 8	621 406 C1	14 - 3	622 016 C4	13 - 7	622 963 C1	8 - 4
620 864 C1	9 - 7	621 407 C1	14 - 3	622 033 C91	10 - 34	622 963 C1	8 - 5
620 864 C1	9 - 9	621 410 C1	14 - 3	622 034 C91	10 - 34	622 980 C1	12 - 5
620 865 C2	9 - 7	621 411 C1	14 - 3	622 041 C91	12 - 2	622 998 C92	11 - 7
620 869 C1	9 - 6	621 415 C92	14 - 4	622 043 C1	12 - 2	622 999 C1	8 - 4
620 869 C1	9 - 8	621 417 C4	14 - 4	622 044 C1	14 - 4	623 011 C1	10 - 33
620 873 C2	9 - 6	621 418 C1	14 - 4	622 049 C1	14 - 5	623 012 C1	10 - 33
620 873 C2	9 - 8	621 419 C1	14 - 4	622 050 C1	13 - 7	623 017 C1	10 - 33
620 874 C95	9 - 6	621 419 C1	14 - 6	622 081 C91	12 - 8	623 031 C1	17 - 7
620 875 C95	9 - 6	621 420 C1	14 - 4	622 083 C91	12 - 8	623 032 C1	17 - 7
621 005 C1	9 - 2	621 421 C1	14 - 4	622 085 C1	12 - 8	623 033 C1	17 - 7
621 005 C1	17 - 15	621 423 C1	14 - 4	622 085 C1	12 - 9	623 034 C1	17 - 7
621 006 C1	9 - 2	621 424 C1	14 - 4	622 085 C1	12 - 10	623 035 C1	17 - 7
621 006 C1	17 - 15	621 427 C1	14 - 4	622 086 C1	12 - 8	623 036 C1	17 - 7
621 008 C1	17 - 15	621 430 C1	14 - 5	622 087 C1	12 - 9	623 037 C2	17 - 8
621 009 C1	17 - 15	621 434 C2	14 - 5	622 090 C1	12 - 9	623 041 C2	17 - 7
621 010 C1	17 - 15	621 448 C3	14 - 5	622 093 C1	12 - 9	623 043 C1	17 - 7
621 018 C1	9 - 2	621 455 C94	14 - 6	622 107 C1	12 - 8	623 074 C1	17 - 8
621 021 C91	4 - 2	621 458 C3	14 - 6	622 109 C1	12 - 9	623 076 C1	17 - 8
621 025 C1	4 - 2	621 459 C1	14 - 6	622 112 C91	12 - 9	623 078 C1	17 - 8
621 026 C1	4 - 2	621 462 C94	14 - 6	622 114 C1	12 - 9	623 079 C1	17 - 8
621 027 C1	4 - 2	621 463 C1	14 - 6	622 127 C1	12 - 10	623 088 C92	10 - 9
621 028 C1	4 - 2	621 465 C2	14 - 7	622 129 C91	12 - 10	623 761 C1	9 - 4
621 032 C1	4 - 2	621 466 C1	14 - 7	622 150 C1	15 - 2	623 792 C1	10 - 18
621 033 C1	4 - 2	621 467 C1	14 - 7	622 151 C1	15 - 2	623 994 C1	17 - 4
621 036 C1	4 - 2	621 468 C1	14 - 7	622 221 C1	14 - 2	624 647 C1	8 - 4
621 037 C1	4 - 2	621 494 C1	13 - 4	622 232 C1	10 - 22	624 666 C1	8 - 4
621 039 C1	4 - 2	621 519 C1	9 - 2	622 242 C1	2 - 6	625 040 C1	12 - 2
621 040 C1	4 - 2	621 522 C91	14 - 2	622 247 C2	7 - 8	625 041 C1	12 - 2
621 050 C91	10 - 34	621 523 C1	14 - 2	622 328 C1	10 - 22	625 042 C1	12 - 2
621 051 R1	10 - 34	621 524 C1	14 - 2	622 329 C1	10 - 22	625 060 C91	7 - 3
621 052 C1	10 - 34	621 535 C1	14 - 5	622 330 C1	10 - 22	625 062 C1	7 - 3

NUMERICAL INDEX

PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.
625 096 C1	10 - 25	629 836 C91	7 - 5	645 063 C1	10 - 15	647 306 C91	9 - 11
625 096 C1	10 - 26	629 838 C1	7 - 5	645 064 C1	10 - 13	647 430 C2	9 - 11
625 096 C1	10 - 27	629 839 C1	7 - 5	645 064 C1	10 - 15	648 742 C1	8 - 3
625 179 C1	10 - 26	630 694 C91	7 - 19	645 065 C1	10 - 13	650 382 C91	2 - 8
625 180 C1	10 - 26	630 695 C1	7 - 19	645 065 C1	10 - 15	650 382 C91	2 - 9
625 181 C1	10 - 26	631 143 C1	10 - 7	645 066 C1	10 - 14	650 382 C91	8 - 15
625 182 C2	10 - 26	631 145 C1	10 - 7	645 066 C1	10 - 16	650 443 C92	12 - 7
625 183 C1	10 - 26	631 170 C91	7 - 15	645 067 C1	10 - 14	650 639 C1	8 - 3
625 184 C1	10 - 26	631 170 C91	7 - 20	645 067 C1	10 - 16	650 639 C1	8 - 4
625 191 C1	10 - 26	631 240 C1	10 - 25	645 068 C1	10 - 14	650 866 C1	12 - 5
625 192 C1	10 - 26	631 240 C1	10 - 26	645 069 C1	10 - 14	650 894 C1	8 - 4
625 194 C91	10 - 25	631 240 C1	10 - 28	645 069 C1	10 - 15	650 937 C1	8 - 15
625 309 C1	10 - 27	631 241 C1	10 - 25	645 072 C1	10 - 14	651 569 C1	7 - 21
625 312 C1	10 - 27	631 243 C1	10 - 28	645 074 C1	10 - 14	652 019 C1	12 - 10
625 313 C1	10 - 27	631 595 C1	8 - 7	645 077 C1	10 - 13	652 104 C1	13 - 4
625 314 C1	10 - 27	631 770 C91	10 - 27	645 078 C1	10 - 14	652 113 C92	6 - 5
625 317 C1	10 - 27	631 845 C91	17 - 10	645 079 C1	10 - 14	652 341 C1	10 - 2
625 319 C1	10 - 27	631 846 C91	17 - 10	645 082 C1	10 - 13	652 434 C1	10 - 18
625 383 C1	6 - 2	631 847 C91	17 - 10	645 083 C1	10 - 13	652 435 C1	12 - 9
625 657 C91	8 - 7	631 848 C91	17 - 10	645 084 C1	10 - 13	652 442 C1	12 - 9
625 679 C1	8 - 7	631 924 C1	10 - 26	645 085 C1	10 - 13	652 499 C3	12 - 3
625 879 C93	7 - 3	631 924 C1	10 - 27	645 086 C1	10 - 13	652 701 C1	17 - 15
625 885 C91	7 - 3	631 928 C1	10 - 27	645 087 C1	10 - 13	652 817 C1	9 - 4
625 900 C92	10 - 26	631 932 C92	10 - 26	645 088 C1	10 - 13	652 827 C1	4 - 3
625 903 C1	10 - 26	631 932 C92	10 - 28	645 089 C1	10 - 13	652 829 C1	4 - 3
625 903 C1	10 - 28	632 262 C91	13 - 4	645 090 C1	10 - 14	652 862 C3	12 - 4
625 908 C1	10 - 25	632 290 C91	12 - 3	645 091 C1	10 - 14	652 868 C1	12 - 4
625 909 C2	10 - 29	632 361 C1	7 - 16	645 092 C1	10 - 14	652 869 C2	12 - 4
625 910 C2	10 - 29	632 361 C1	7 - 19	645 093 C1	10 - 14	653 508 C1	10 - 18
625 911 C2	10 - 29	632 350 C1	4 - 3	645 093 C1	10 - 15	653 508 C1	10 - 19
625 912 C1	10 - 29	632 561 C91	13 - 5	645 097 C1	10 - 12	653 513 C1	10 - 11
625 913 C2	10 - 29	632 562 C91	13 - 5	645 104 C1	10 - 11	653 526 C2	11 - 8
625 914 C2	10 - 29	632 563 C91	13 - 5	645 129 C1	10 - 17	653 561 C1	10 - 11
625 915 C1	10 - 29	632 564 C91	13 - 5	645 130 C1	10 - 17	653 696 C1	10 - 19
625 916 C1	7 - 3	632 565 C92	13 - 5	645 132 C1	10 - 17	653 698 C1	10 - 18
626 174 C1	9 - 7	632 566 C91	13 - 5	645 133 C1	10 - 17	653 698 C1	10 - 19
626 174 C1	9 - 9	632 717 C91	12 - 9	645 134 C1	10 - 17	653 867 C1	17 - 7
626 199 C2	10 - 3	632 746 C92	12 - 4	645 135 C1	10 - 17	654 330 C1	7 - 24
626 199 C2	10 - 4	632 750 C91	13 - 4	645 143 C1	10 - 19	654 333 C1	7 - 24
626 199 C2	10 - 5	632 753 C91	2 - 9	645 144 C1	10 - 19	655 266 C1	14 - 4
626 235 C1	10 - 18	632 766 C93	17 - 2	645 145 C1	10 - 19	655 266 C1	14 - 6
626 235 C1	10 - 19	634 100 C1	17 - 17	645 146 C1	10 - 19	655 473 C91	7 - 7
626 238 C1	2 - 5	634 101 C1	17 - 17	645 164 C91	10 - 19	656 104 C2	10 - 33
626 239 C1	2 - 5	634 102 C1	17 - 17	645 202 C94	9 - 8	656 105 C1	10 - 33
626 271 C1	2 - 5	634 829 C1	7 - 4	645 203 C94	9 - 8	656 106 C1	10 - 33
626 567 C91	17 - 2	634 830 C91	7 - 4	645 272 C1	10 - 14	656 340 C1	10 - 33
627 094 C91	7 - 21	634 856 C1	10 - 30	645 272 C1	10 - 16	656 541 C1	10 - 10
627 095 C1	7 - 21	635 286 C91	14 - 4	645 283 C1	10 - 14	656 556 C1	7 - 9
627 193 C1	7 - 3	636 105 C91	13 - 6	645 284 C1	10 - 14	657 882 C91	10 - 33
627 286 C1	17 - 15	636 106 C91	13 - 6	645 330 C1	10 - 13	657 923 C93	7 - 24
627 375 C1	17 - 17	636 117 C91	2 - 5	645 330 C1	10 - 15	657 942 C1	7 - 24
627 376 C1	17 - 17	636 525 C1	15 - 4	645 331 C1	10 - 13	657 943 C2	7 - 24
627 377 C1	17 - 17	636 526 C91	15 - 4	645 331 C1	10 - 15	657 944 C2	7 - 24
627 378 C1	17 - 16	636 527 C1	15 - 4	645 374 C1	10 - 14	657 945 C1	7 - 24
627 379 C1	17 - 14	636 529 C91	15 - 2	645 632 C1	10 - 18	657 946 C1	7 - 24
627 381 C1	17 - 17	636 530 C91	15 - 4	645 632 C1	10 - 19	657 947 C1	7 - 24
627 382 C1	17 - 17	636 532 C1	15 - 4	645 633 C1	10 - 17	657 948 C1	7 - 24
627 384 C1	17 - 17	636 534 C91	15 - 4	645 633 C1	10 - 19	657 950 C1	7 - 24
627 395 C91	17 - 10	636 537 C1	15 - 4	645 679 C94	14 - 2	657 951 C2	7 - 24
627 398 C1	7 - 16	636 538 C91	15 - 4	645 680 C94	14 - 2	659 017 C1	10 - 22
627 398 C1	7 - 19	636 540 C91	15 - 2	646 399 C94	17 - 6	659 065 C91	10 - 8
627 447 C91	17 - 17	636 888 C1	13 - 6	646 400 C94	17 - 6	659 078 C91	10 - 33
627 583 C1	17 - 2	637 291 C1	17 - 17	646 670 C1	17 - 2	659 380 C1	7 - 3
627 584 C1	17 - 2	637 292 C1	17 - 17	647 012 C1	17 - 5	659 458 C91	7 - 7
627 670 C1	8 - 15	637 293 C1	17 - 17	647 019 C91	17 - 6	659 459 C1	7 - 7
628 027 C1	8 - 4	637 361 C2	6 - 3	647 084 C1	10 - 10	659 543 C1	7 - 5
628 071 C2	9 - 4	637 937 C91	10 - 4	647 096 C1	17 - 5	659 720 C1	7 - 19
628 095 C1	10 - 2	645 011 C2	17 - 7	647 139 C2	17 - 5	659 726 C1	7 - 19
628 097 C1	10 - 10	645 060 C1	10 - 13	647 164 C2	9 - 11	659 906 C91	7 - 19
628 113 C1	12 - 5	645 060 C1	10 - 15	647 165 C2	9 - 11	659 907 C1	7 - 16
628 156 C91	2 - 9	645 061 C1	10 - 13	647 166 C2	9 - 11	659 907 C1	7 - 19
628 485 C91	9 - 7	645 061 C1	10 - 15	647 171 C1	9 - 11	659 910 C1	7 - 16
628 485 C91	9 - 9	645 062 C1	10 - 14	647 180 C2	17 - 5	659 910 C1	7 - 19
629 248 C91	7 - 5	645 062 C1	10 - 15	647 218 C1	9 - 11	659 913 C1	7 - 16
629 775 C1	17 - 8	645 063 C1	10 - 13	647 280 C91	17 - 4	659 913 C1	7 - 19

NUMERICAL INDEX

PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.
661 181 C91	6 - 3	688 066 C2	12 - 3	709 291 C1	7 - 21	715 631 C1	8 - 6
662 241 C1	7 - 23	690 062 C1	10 - 11	709 314 C1	8 - 9	715 647 C1	11 - 8
662 245 C1	7 - 23	690 063 C1	10 - 11	709 428 C1	2 - 6	715 670 C1	11 - 2
662 246 C91	7 - 23	690 106 C1	12 - 2	709 475 C1	7 - 9	715 753 C1	11 - 8
662 250 C1	9 - 4	701 484 C91	17 - 11	709 492 C1	7 - 14	715 883 C1	11 - 8
662 290 C1	7 - 22	701 794 C91	17 - 11	709 493 C1	7 - 14	715 896 C1	2 - 6
662 291 C2	7 - 22	701 922 C2	10 - 33	709 494 C1	7 - 14	716 719 C1	7 - 16
662 294 C1	7 - 22	701 922 C2	12 - 6	709 575 C1	7 - 20	716 719 C1	7 - 19
662 296 C1	7 - 22	702 686 C1	11 - 2	709 576 C1	7 - 20	716 720 C91	7 - 7
662 650 C1	14 - 2	702 755 C1	7 - 9	709 577 C1	7 - 20	716 833 C91	7 - 15
662 799 C1	14 - 4	705 033 C1	7 - 21	709 579 C1	7 - 20	716 834 C91	7 - 19
663 061 C1	8 - 9	705 055 C1	7 - 13	709 589 C1	7 - 13	716 835 C1	7 - 19
663 113 C1	8 - 4	705 075 C1	7 - 21	709 590 C1	7 - 14	716 836 C1	7 - 15
663 147 C1	13 - 2	705 080 C1	7 - 5	709 601 C91	7 - 15	716 837 C1	7 - 19
663 148 C1	13 - 2	705 081 C1	7 - 5	709 609 C1	7 - 19	716 838 C1	7 - 19
663 185 C1	8 - 10	705 092 C1	7 - 13	709 617 C1	7 - 16	716 840 C1	7 - 19
663 186 C1	8 - 10	705 097 C91	7 - 4	709 618 C1	7 - 15	716 841 C1	7 - 15
663 187 C1	8 - 10	705 305 C1	7 - 4	709 619 C1	7 - 19	716 898 C1	7 - 8
663 188 C1	8 - 10	705 474 C1	7 - 7	709 621 C1	7 - 19	716 899 C1	7 - 8
663 189 C1	8 - 10	705 495 C1	7 - 13	709 630 C1	7 - 19	716 907 C1	7 - 16
663 370 C2	13 - 2	705 496 C1	7 - 13	709 631 C1	7 - 16	716 911 C1	7 - 14
663 372 C2	13 - 2	705 497 C1	7 - 13	709 631 C1	7 - 19	716 912 C1	7 - 14
663 374 C1	6 - 4	705 499 C1	7 - 13	709 632 C1	7 - 16	716 938 C1	7 - 5
663 392 C1	11 - 2	705 550 C1	13 - 5	709 632 C1	7 - 19	716 939 C1	7 - 5
663 432 C1	12 - 2	705 551 C1	13 - 5	709 777 C1	7 - 16	716 969 C91	7 - 13
666 018 C2	7 - 22	705 615 C1	10 - 13	709 777 C1	7 - 19	716 979 C1	7 - 14
666 019 C2	7 - 22	705 616 C1	10 - 13	709 784 C91	7 - 19	717 260 C1	9 - 4
666 134 C1	9 - 4	705 740 C1	17 - 2	709 789 C1	7 - 16	728 154 C1	8 - 14
666 151 C92	10 - 22	705 746 C1	17 - 2	709 790 C1	7 - 15	732 432 C1	12 - 7
666 153 C2	7 - 12	705 746 C1	17 - 3	709 791 C1	7 - 19	732 450 C2	10 - 7
666 154 C1	7 - 21	705 781 C91	17 - 3	709 792 C1	7 - 19	732 453 C1	7 - 9
666 156 C1	9 - 4	705 941 C1	17 - 8	709 793 C1	7 - 19	732 454 C1	7 - 9
666 229 C1	10 - 2	706 003 C1	11 - 2	709 798 C1	7 - 14	733 040 C2	9 - 4
666 230 C1	10 - 2	706 011 C1	12 - 9	709 821 C1	7 - 19	733 091 C91	11 - 7
666 231 C1	10 - 2	706 049 C3	12 - 4	709 822 C1	7 - 19	733 105 C1	6 - 3
667 010 C1	17 - 7	706 073 C91	9 - 3	709 837 C1	7 - 16	733 227 C1	4 - 2
667 119 C1	17 - 7	706 075 C1	9 - 3	709 837 C1	7 - 19	733 233 C91	4 - 2
667 267 C1	6 - 4	706 090 C91	9 - 3	709 838 C1	7 - 19	733 234 C91	4 - 2
667 460 C1	2 - 6	706 124 C2	8 - 5	709 839 C1	7 - 16	733 263 C1	7 - 21
667 543 C1	4 - 3	706 158 C1	12 - 7	709 895 C1	7 - 13	733 264 C1	7 - 21
667 958 C1	7 - 11	706 165 C91	12 - 7	709 896 C91	7 - 13	733 339 C1	9 - 4
668 199 C3	10 - 33	706 274 C91	8 - 6	710 224 C1	17 - 8	733 340 C1	9 - 4
668 262 C1	8 - 8	706 333 C1	12 - 7	710 225 C1	17 - 8	734 040 C1	7 - 14
668 290 C1	8 - 2	706 412 C91	8 - 6	710 654 C1	7 - 9	734 400 C91	12 - 3
668 292 C1	8 - 7	706 443 C1	9 - 4	710 657 C91	10 - 10	734 635 C1	9 - 5
668 411 C1	11 - 2	706 466 C1	8 - 2	710 660 C1	7 - 9	734 636 C1	9 - 5
668 460 C1	8 - 9	706 490 C2	12 - 3	710 741 C1	7 - 9	734 777 C91	17 - 16
668 481 C1	6 - 2	706 658 C1	7 - 22	710 771 C91	12 - 7	734 780 C91	17 - 15
668 482 C1	6 - 2	706 715 C91	7 - 22	710 772 C91	12 - 7	734 920 C1	17 - 15
668 499 C1	11 - 2	706 722 C1	7 - 22	710 773 C91	12 - 7	734 937 C1	17 - 15
668 550 C1	9 - 11	706 770 C1	7 - 10	710 774 C91	12 - 7	736 065 C1	11 - 8
668 690 C1	13 - 6	706 825 C1	10 - 33	710 868 C1	10 - 11	736 071 C91	14 - 7
668 693 C1	9 - 7	706 827 C1	10 - 33	710 870 C1	10 - 11	736 131 C1	8 - 10
668 693 C1	9 - 9	706 833 C1	10 - 10	710 871 C1	10 - 12	736 156 C1	8 - 3
668 693 C1	13 - 6	706 950 C1	10 - 7	710 892 C1	9 - 4	736 159 C1	8 - 3
668 726 C1	17 - 15	706 980 C91	10 - 8	712 620 C1	13 - 6	736 160 C1	14 - 4
668 753 C1	13 - 6	707 253 R1	7 - 21	713 034 C91	12 - 7	734 180 C1	14 - 5
668 762 C1	13 - 6	707 253 R1	10 - 11	713 036 C91	12 - 7	736 185 C91	8 - 7
668 762 C2	13 - 6	708 000 C1	12 - 4	713 059 C1	8 - 2	736 459 C92	12 - 5
668 768 C1	13 - 6	708 417 C1	7 - 11	713 167 C1	11 - 2	736 473 C1	12 - 5
668 771 C1	13 - 6	708 792 C1	7 - 10	713 259 C91	7 - 21	737 157 C91	8 - 10
669 544 R1	10 - 30	708 845 C1	7 - 12	713 262 C1	11 - 2	737 188 C1	8 - 10
669 545 P1	10 - 30	708 847 C1	7 - 12	713 274 C1	7 - 21	738 058 C1	7 - 14
669 547 P1	10 - 30	708 849 C1	10 - 10	713 371 C1	7 - 9	738 602 C91	17 - 15
672 512 C1	12 - 3	709 063 C1	8 - 3	713 372 C1	6 - 3	739 370 C91	15 - 2
672 515 C1	12 - 3	709 064 C1	8 - 3	713 389 C2	6 - 4	739 371 C91	15 - 3
672 520 C1	12 - 3	709 152 C2	11 - 2	715 370 C1	7 - 11	739 372 C91	15 - 3
675 708 R91	4 - 2	709 155 C1	8 - 4	715 370 C1	7 - 12	734 567 C1	8 - 2
676 078 P1	8 - 8	709 176 C1	10 - 4	715 370 C1	10 - 12	739 692 C1	11 - 2
679 078 C1	13 - 2	709 267 C1	8 - 4	715 423 C1	2 - 6	739 761 C1	8 - 5
679 248 C91	10 - 2	709 268 C1	8 - 4	715 477 C1	7 - 11	739 763 C1	8 - 4
679 383 C91	11 - 6	709 269 C1	8 - 6	715 477 C1	10 - 12	739 798 C1	11 - 4
681 896 C1	4 - 3	709 270 C1	8 - 6	715 507 C1	8 - 8	739 799 C91	11 - 4
685 794 C2	12 - 2	709 281 C1	8 - 2	715 510 C91	8 - 7	739 800 C91	11 - 4
685 795 C1	12 - 3	709 283 C1	13 - 4	715 624 C1	11 - 2	740 150 C1	8 - 10

NUMERICAL INDEX

PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.	PART NUMBER	PAGE No.
740 543 C1	11 - 2	1 856 056	8 - 13	1 960 347	8 - 14		
740 850 C1	8 - 13	1 872 678	8 - 13	1 960 750	8 - 16		
740 915 C91	14 - 4	1 873 796	8 - 13	1 961 323	8 - 16		
740 915 C91	14 - 6	1 877 355	8 - 11	1 961 333	8 - 13		
740 919 C91	14 - 7	1 883 865	8 - 12	1 962 629	8 - 14		
740 923 C91	14 - 4	1 891 596	8 - 16	1 963 139	8 - 16		
740 923 C91	14 - 6	1 904 419	8 - 12	1 964 117	8 - 16		
740 928 C1	11 - 2	1 904 43b	8 - 13	1 964 682	8 - 16		
740 986 C1	8 - 10	1 906 987	8 - 11	1 965 104	8 - 17		
800 487	8 - 13	1 912 008	8 - 16	1 965 624	8 - 12		
800 832	8 - 16	1 913 828	8 - 15	1 965 625	8 - 13		
801 077	8 - 12	1 914 379	8 - 15	1 966 617	8 - 17		
801 198	8 - 13	1 914 842	8 - 12	1 967 045	8 - 11		
805 258	8 - 12	1 914 873	8 - 13	1 968 171	8 - 15		
805 790	8 - 12	1 915 172	8 - 17	1 968 396	8 - 12		
809 593	8 - 12	1 916 439	8 - 13	1 970 033	8 - 17		
810 819	8 - 13	1 917 084	8 - 12	1 970 595	8 - 16		
815 540	8 - 13	1 917 119	8 - 13	1 970 918	8 - 16		
815 540	8 - 17	1 923 935	8 - 12	1 971 943	8 - 16		
821 453	8 - 12	1 928 021	8 - 12	2 752 018 W1	2 - 6		
850 470 C1	12 - 2	1 928 022	8 - 12	2 753 190 W1	2 - 5		
851 506 C1	10 - 20	1 930 694	8 - 12	2 754 034 R1	2 - 6		
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875 485 C91	17 - 29	1 933 879	8 - 11	3 042 934 R1	10 - 7		
875 488 C91	17 - 21	1 933 999	8 - 13	3 044 436 R1	10 - 6		
876 384 C91	17 - 19	1 934 478	8 - 12	3 055 300 P1	6 - 2		
876 735 C1	17 - 19	1 935 645	8 - 13	7 451 931	8 - 16		
877 737 C1	10 - 25	1 938 058	8 - 12	9 402 706	11 - 8		
877 949 C2	7 - 9	1 938 376	8 - 12	9 402 823	17 - 15		
881 026 C1	17 - 25	1 940 477	8 - 11	9 402 865	10 - 10		
881 028 C1	17 - 25	1 941 431	8 - 14	9 403 374	10 - 18		
883 170 C91	10 - 33	1 941 978	8 - 17	9 403 374	10 - 19		
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886 015 C1	17 - 21	1 942 245	8 - 17	9 410 203	10 - 10		
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892 356 C1	17 - 29	1 942 253	8 - 12	9 410 203	10 - 15		
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1 119 507	8 - 14	1 950 546	8 - 12	9 411 107	6 - 3		
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1 212 818 C1	7 - 16	1 959 514	8 - 12	9 421 425	8 - 13		
1 212 818 C1	7 - 19	1 959 828	8 - 16	9 427 882	8 - 13		
1 212 820 C1	7 - 16	1 959 832	8 - 16				
1 212 820 C1	7 - 19	1 959 833	8 - 16				
1 852 928	8 - 16	1 959 834	8 - 16				
1 852 929	8 - 16	1 959 991	8 - 16				
1 853 342	8 - 12	1 960 248	8 - 13				



PROPOSAL FOR MANUAL REVISION

FOR INTERNAL USE ONLY - No. PMR

P R O P O S E R	NAME OF COMPANY:	LOCATION:
		PHONE NO:
	DEPARTMENT:	DATE:
	NAME:	

MANUAL NAME:			
MANUAL NO:			
MACHINE MODEL: S/N IF APPLICABLE:			

PAGE NO:

PROBLEM:

Attach photo or sketch.
 If more space is needed, use another sheet.

FOR INTERNAL USE ONLY

CORRECTIVE ACTION:

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