

PAY LINE DIVISION OF INTERNATIONAL HARVESTER

PARTS CATALOG

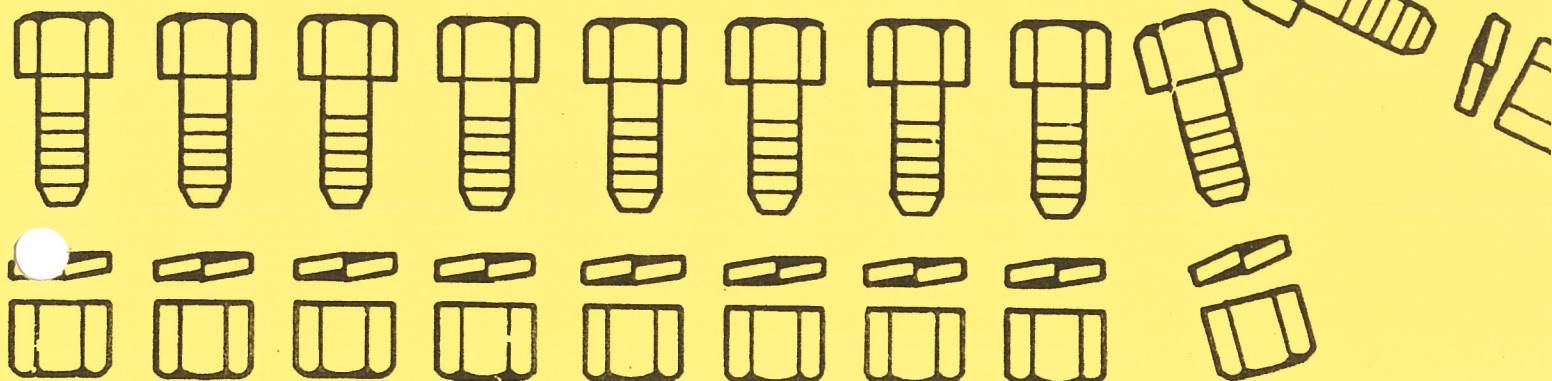
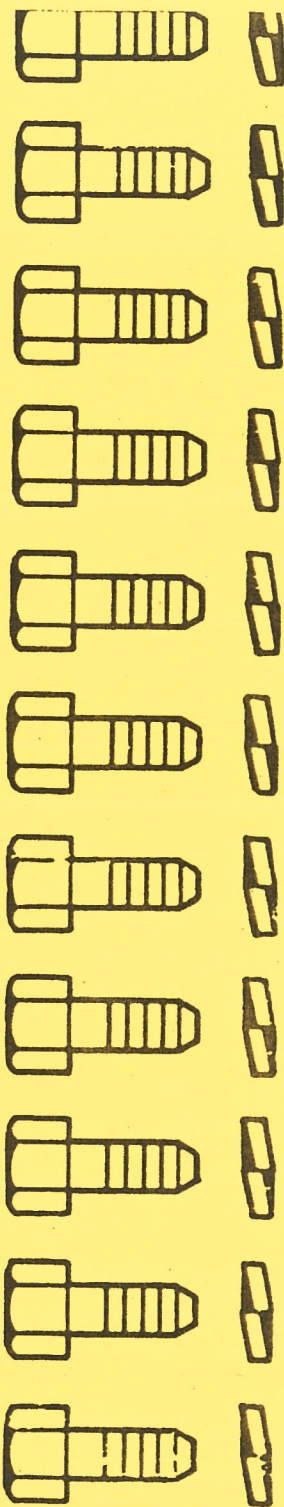
MODEL TD-15C

PAYDOZER

FORM PC-TD-15C-4

FEBRUARY, 1980

(Supersedes FORM PC-TD-15C-3)



Due to a continuous program of research and development, some procedures, specifications and parts may be altered in a constant effort to improve machines.

Periodic revisions may be made to this publication and mailed automatically to distributors. It is recommended that customers contact their distributor for information on the latest revision.

MODEL TD-15C

PAYDOZER

FORM PC-TD-15C-4

FEBRUARY, 1980

(Supersedes FORM PC-TD-15C-3)

PAYLINE PUBLICATIONS INFORMATION

The following basic publications are available for additional information on this particular machine. Special publications, other than the basic publications shown below, can be ordered from the PAYLINE Index and Price List. (*) Please tear out this page and check the publications desired. Fill in ALL the information requested and mail to:

International Harvester Company, Printing and Distribution Services, 807 Blackhawk Drive, Westmont, Illinois 60559
Attn: PAYLINE CUSTOMER SALES

Please send me (Check items in box):

	<u>FORM NO.</u>	<u>DESCRIPTION</u>	<u>Price</u>
☐	EPC-400 (DT-466 Engine)	Engine Parts Catalog	\$ 6.50
☐	EPC-400B (DT-466B Engine)	Engine Parts Catalog	5.90
☐		Chassis Parts Catalog	
☐		Chassis Parts Catalog	
☐	OM-TD15C	Operator's Manual	11.60
☐		Operator's Manual	
☐	ISS-1524	Engine Service Manual	15.00
☐		Engine Service Manual	
☐	ISS-1528	Chassis Service Manual	30.00
☐		Chassis Service Manual	
☐	1 085 882 R1	Chassis Safety Manual	1.00
(*) ☐	1 019 104 R12 (Or later)	PAYLINE Index and Price List	2.00
		(List of all PAYLINE publications available)	

Prices subject to change without notice.

NOTE: Enclose check or money order payable to International Harvester Company. DO NOT SEND CASH. (Please allow up to 30 days for delivery.)

TYPE or PRINT information in the spaces below.

Date _____ Amount Enclosed \$ _____

Name _____

Address _____

City _____ State _____ Zip _____

IMPORTANT: THE FOLLOWING IS YOUR RETURN SHIPPING LABEL. PLEASE FILL OUT COMPLETELY AND LEGIBLY. DO NOT DETACH!

FROM: International Harvester Company
Printing and Distribution Services
807 Blackhawk Drive
Westmont, Illinois 60559

TO: Name _____

Address _____

City _____ State _____ Zip _____

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The black tabs shown on the right-hand side of this page line up with the corresponding tabs in the manual. Tabs are quickly located by bending the manual.

The Importance of ADEQUATE PARTS and SERVICE



The wise purchaser of a new machine gives consideration to the following factors:

1. *Original quality*
2. *Availability of service parts*
3. *Availability of adequate service facilities*

In many cases the machine becomes the only means of performing certain tasks that must be done in a limited period of time. Wear is to be expected and under extreme conditions even breakage of parts may occur. However, the user can still be assured of getting his work done on time if service parts and adequate service facilities are available.

Foresighted International Harvester dealers make every effort to provide good service and maintain a completely adequate stock of service parts.

When in need of parts, always give the International Construction Equipment distributor or dealer authorized to sell or service this machine your serial numbers. We suggest that you write this serial number in the space provided below, for ready reference when parts are required.

CHASSIS SERIAL NO. _____
(Stamped on the model plate attached to the left-hand seat side also on upper right-hand side near face of rear main frame)

ENGINE SERIAL NO. _____
(Stamped on the upper left-hand side of the engine block near the center below the intake manifold)

BULLGRADER SERIAL NO. _____
(IF EQUIPPED) (Stamped on top right-hand corner in back of blade)

BULLDOZER SERIAL NO. _____
(IF EQUIPPED) (Stamped on top right-hand corner in back of blade)

15-260 CABLE CONTROL UNIT SERIAL NO. _____
(IF EQUIPPED) (Stamped on name plate on left-hand side cover)

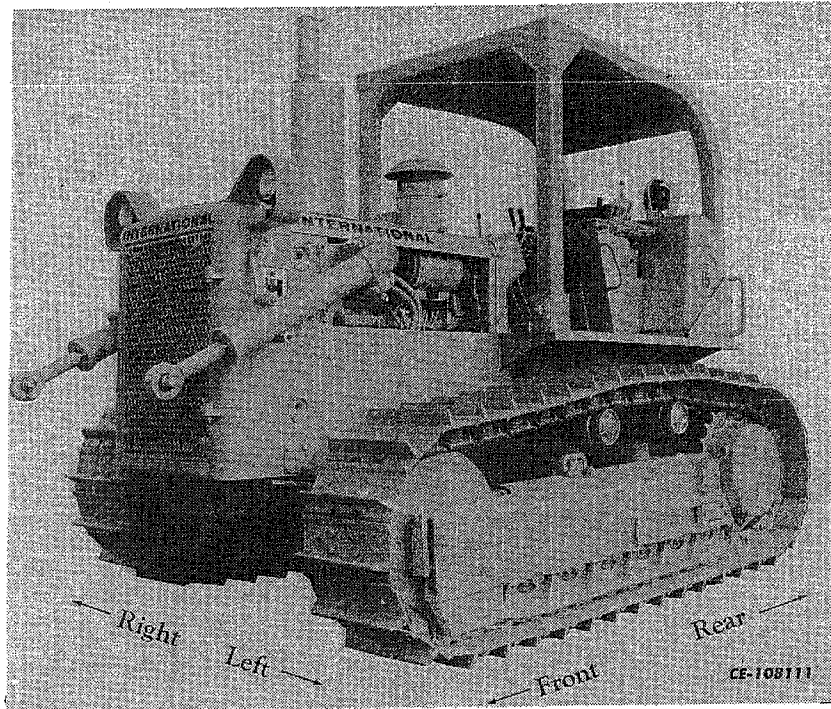
INSTRUCTIONS FOR ORDERING PARTS

- (a) All parts orders should be sent to parts depot when so instructed. Give complete address, state the county and railroad station (when shipping point is different than post office), also whether shipment is to go by parcel post, express, truck or freight.
- (b) When ordering parts, give the IH part number, including suffix or prefix letters. To facilitate identification of these parts, "Complete Serial Numbers" (including letters and numerals) assigned to machines, if any, should be furnished.
- (c) Parts should be ordered on the standard parts order blank. The parts should be arranged in sequence by part numbers to facilitate service on orders at the parts depot.
- (d) Claims for shortage or error in the handling of an order for parts must be made upon receipt of goods.

It is the policy of International Harvester Company to improve its products whenever it is possible and practical to do so.

We reserve the right to make changes or add improvements in the design or construction of parts at any time without incurring the obligation to install such changes on products previously delivered.

INTRODUCTION



TD-15 SERIES C Crawler Tractor

INTRODUCTION

MEMORANDA

INTRODUCTION

This catalog contains a list of chassis parts for the following:

CRAWLER TRACTORS

TD-15 SERIES C	Manual Shift
TD-15 SERIES C	Manual Shift Custom Application
TD-15 SERIES C	Power Shift
TD-15 SERIES C	Power Shift (Low Ground Pressure)

These crawler tractors have a DT-466 six-cylinder 4-3/10 x 5-11/32 inch turbocharged diesel engine. For service parts, refer to Parts Catalog EPC-400 for DT-466 engine or EPC-400B for DT-466B engine.

HYDRAULIC OPERATED BULLGRADERS AND BULLDOZERS

Model 15C D-2	Bulldozer
Model 15C G-2	Bullgrader

CABLE CONTROL UNIT

Model 15-260 Double drum rear mounted

Following is a brief summary of the system used in compiling this catalog. It is to your advantage to carefully study this summary.

This catalog is divided into major sections which, in turn, are sub-divided into units. A listing of the major sections are shown on the flyleaf prefacing this publication. The tabs on the right-hand side of the first page of each of these indexes correspond to the tabs shown on the flyleaf. A numerical index at the back of the catalog contains a listing of part numbers showing the section and page number where each part is listed and described.

Illustrations, in the form of exploded views, are provided to aid in locating and identifying parts. Reference numbers in the illustration tie-in each simple part, assembly or group of parts with a list of parts following each illustration. Parts are listed in reference number order as shown in the illustration, followed by the noun name of the part with the modifying descriptive information which serves to specifically identify the item. Parts not shown in the illustrations appear at the end of the unit list affected. Parts listed are for all applications unless otherwise indicated (by serial number or other means).

NOTE: Refer frequently to the alphabetical index to save time in locating the proper unit.

CAUTION: Reference numbers should not be used when ordering parts. Always use IH part numbers or description when ordering.

Throughout this catalog the term "Front" indicates the radiator end. Whenever the terms "Right" or "Left" are used, it should be understood to mean from a rear position looking toward the radiator end.

The quantity of each item is shown following the description of the item. Where no quantity is shown, this indicates that only "-1-" is required.

In many parts lists, it is possible to include more than one assembly or attachment. The assemblies or attachments are listed at the beginning of the parts lists with the letters A, B, C, etc., preceding the part number of the assembly or attachment. The number required information is shown in parenthesis following the description of the parts. When letters (A, B, C, etc.,) are shown without a quantity, it should be understood to mean only one (1) is required. Parts without letters after the description indicate the part is used for all assemblies or attachments listed in the heading.

ASSEMBLIES AND ATTACHMENTS. Wherever possible, the component parts of assemblies or attachments are shown in the "exploded views" by use of boxes, brackets or arrows. Component parts of assemblies or attachments are listed by one of the following methods.

- The listings are fully covered by descriptions for simple assemblies and attachments.
- When four or more parts are contained in the assemblies or attachments, the listing of components immediately follows the description with the wording "(Composed of-)."
- Assemblies or attachments consisting of many parts shows the assembly or attachment number at the beginning of the unit list, followed by the listing of the components.

Exceptions to the above methods are explained by footnotes in the text.

Individual parts of an assembly which are not available for service are marked with a symbol S. In some instances, such parts are listed with a notation giving the information which is to be used for ordering.

MISCELLANEOUS PARTS. Standard bolts, screws, nuts, etc. — are not identified by a reference number. These parts are known as COMMON HARDWARE items and appear in abbreviated nomenclature and are shown indented under the major items with which they are used. They should be ordered as listed, since they are not component parts of the pieces they attach.

WARNING: Attaching parts especially made for their location should never be substituted with regular standard parts.

INTRODUCTION

SERIAL NUMBERS.

(A) CRAWLER TRACTORS:

Following is a list of starting serial numbers for these units:

<u>Crawler Tractor</u>	<u>Chassis Starting Serial Number (*)</u>
TD-15 Series C Manual Shift	4240001U000501
TD-15 Series C Manual Shift Custom Application	4240003U000501
TD-15 Series C Power Shift	4240002U000501
TD-15 Series C Power Shift (Low Ground Pressure)	4240007U004717

The chassis serial number are stamped on the model plate attached to the left-hand seat side, also, on upper right-hand side near face of rear main frame. On later machines the chassis serial numbers are stamped on the model plate attached to the right-hand front side of the dash in engine compartment.

(B) ENGINES FOR CRAWLER TRACTORS:

For location and starting serial number, on DT-466 engine, refer to Parts Catalog EPC-400; on DT-466B engine, refer to Parts Catalog EPC-400B.

(C) BULLGRADERS AND BULLDOZERS:

Following is a list of starting serial numbers for these units.

<u>Model</u>	<u>Starting Serial Number</u>
Straight Blade Hydraulic Bulldozer	15CD2 9050
Semi "U" Blade Hydraulic Bulldozer	15CD2U8229
Hydraulic Bullgrader	15CG 8674

The serial numbers are stamped on the top right-hand corner in back of blade.

(D) CABLE CONTROL UNIT.

Following is the starting serial number for this unit.

<u>Model</u>	<u>Starting Serial Number</u>
15-260 Double-Drum Rear Cable Control Unit	15-260 501

The serial numbers are stamped on the nameplate on left-hand side cover.

Customers should be urged to supply the serial numbers for the units listed above, when ordering parts.

HOW TO USE THIS CATALOG

There are several ways to find any part quickly, using the major sections listing, various indexes, and illustrations. The following instructions and examples are given as a guide.

(a) If only the description or name of the part is known, turn to the major section index on flyleaf prefacing this catalog, and determine the section in which the part is most likely to be listed.

(b) If only the location or function of the part in the unit is known, follow steps outlined in (a) above.

(c) If the part number of the part is known -

1. Refer to the proper part number in the numerical index at the back of the catalog.

2. Turn to the section and page shown opposite part number.

Refer to Section Two for "Quick Reference List for Filters and Filter Elements."

(*) - Only the sequence number of the complete serial number is listed in this catalog to identify parts.

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

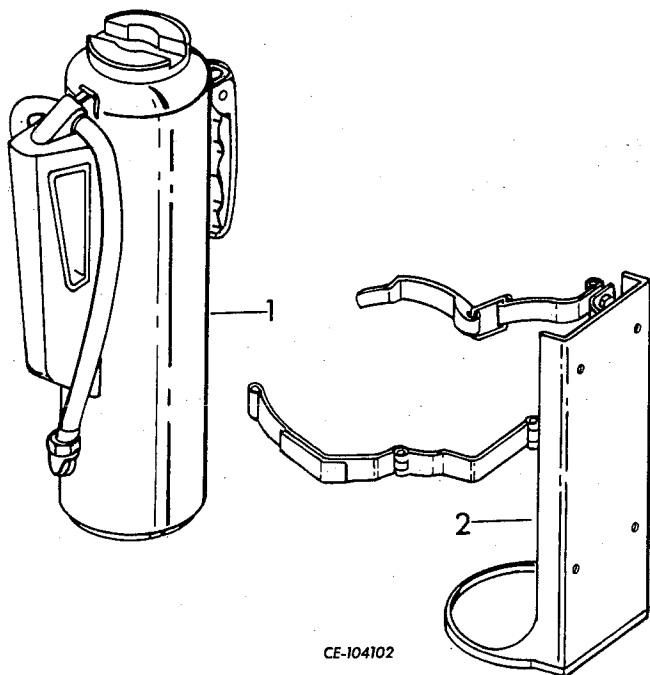
ATTACHMENTS

THE FOLLOWING ATTACHMENTS ARE
AVAILABLE FOR TD-15C

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ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FIRE EXTINGUISHER			ANTI-VANDALISM		
			632 168 C91	ATTACHMENT, anti-vandalism (For machines equipped with 2" ID oil filler tube) (See NOTE 3) (Consists of -	
			2	fuel and hydraulic reservoir cap w/lock 628 156 C91	
			1	ATTACHMENT, exhaust lockable rain cap 628 166 C91	
			1	ATTACHMENT, engine oil level dipstick and oil filler cap lock 632 161 C91	
			5	PADLOCK w/KEYS (One required for each of the following - radiator cap, exhaust rain cap, tool box, hood access door and instrument panel) 650 382 C91)	
			636 797 C91	ATTACHMENT, anti-vandalism (For machines equipped with 1-5/8" ID oil filler tube) (See NOTE 3) (Consists of -	
			2	fuel and hydraulic reservoir cap w/lock 628 156 C91	
			1	ATTACHMENT, exhaust lockable rain cap 628 166 C91	
			1	ATTACHMENT, engine oil level dipstick and oil filler cap lock 636 795 C91	
			5	PADLOCK w/KEYS (One required for each of the following - radiator cap, exhaust rain cap, tool box, hood access door and instrument panel) 650 382 C91)	
629 554 C91	ATTACHMENT, fire extinguisher (See NOTE 4) (Consists of -				
1	630 823 C91	EXTINGUISHER, fire			
2	630 824 C91	BRACKET, fire extinguisher)			



REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PRODUCT GRAPHICS					
603 289 C93		PACKAGE, product identification product graphic (@) (Consists of - § 2 PRODUCT GRAPHIC, I.H. monogram § 1 PRODUCT GRAPHIC, I.H. monogram § 1 PRODUCT GRAPHIC, I.H.C. of Canada § 5 PRODUCT GRAPHIC, "International" § 2 PRODUCT GRAPHIC, "SERIES B" § 2 PRODUCT GRAPHIC, "SERIES C" § 2 PRODUCT GRAPHIC, "TD-15" Model Symbol § 2 PRODUCT GRAPHIC, Custom Application § 2 PRODUCT GRAPHIC, 175B Model Symbol § 2 PRODUCT GRAPHIC, "175" Model Symbol)			§ 1 PRODUCT GRAPHIC caution — hydraulic track adjuster § 1 PRODUCT GRAPHIC grapple warning § 1 PRODUCT GRAPHIC clam control diagram § 1 PRODUCT GRAPHIC ripper control diagram § 1 PRODUCT GRAPHIC loader control diagram (two lever) § 1 PRODUCT GRAPHIC loader control diagram (single lever) § 1 PRODUCT GRAPHIC caution — start engine § 1 PRODUCT GRAPHIC transmission and steering diagram (power shift) (foot steering) § 1 PRODUCT GRAPHIC hydraulic oil § 1 PRODUCT GRAPHIC parking brake instruction
629 300 C92		PACKAGE, instructional product graphic (##) (Consists of - § 1 PRODUCT GRAPHIC, Alternator Instructions § 1 PRODUCT GRAPHIC on-off master switch § 1 PRODUCT GRAPHIC oil pressure warning § 1 PRODUCT GRAPHIC operator safety § 1 PRODUCT GRAPHIC air cleaner § 1 PRODUCT GRAPHIC engine running w/tractor stopped § 1 PRODUCT GRAPHIC transmission and steering diagram (power shift) § 1 PRODUCT GRAPHIC transmission and steering diagram (manual shift) (TD-15C) § 1 PRODUCT GRAPHIC (TD-15 CA) ground speed § 1 PRODUCT GRAPHIC safety bar instructions § 1 PRODUCT GRAPHIC caution — read manual § 1 PRODUCT GRAPHIC oil level § 1 PRODUCT GRAPHIC caution — safety bar § 1 PRODUCT GRAPHIC caution— engine compartment door	547 495 R1		PACKAGE, "International" trademark (%)

(@) — For models painted I.H. yellow.

(%) — For models painted other than I.H. yellow.

(§) — Not furnished separately.

MISCELLANEOUS

PRODUCT GRAPHICS—Continued

The following identification and instructional Product Graphics are available for Crawler Tractors.

626 271 C1	PRODUCT GRAPHIC, dozer control (For use with single spool valve) (@)	661 547 C1	PRODUCT GRAPHIC, lubrication chart (For manual shift and custom application)
2 753 001 R2	PRODUCT GRAPHIC, dozer control (For use with triple spool valve) (@)	661 548 C1	PRODUCT GRAPHIC, lubrication chart (For power shift)
2 751 374 R2	PRODUCT GRAPHIC, TD-15 model symbol (%) (3)	312 552 R1	PRODUCT GRAPHIC, turbocharger warning (Plate)
25 195 R1	PRODUCT GRAPHIC, "International" (%)	145 373	SCREW, blunt drive (4)
628 073 C1	PRODUCT GRAPHIC, "Custom Application" (%) (2)	2 751 900	PRODUCT GRAPHIC, oil level
2 754 310 R2	PRODUCT GRAPHIC, Series "C" (%) (3)	622 750 C1	NAME PLATE, starting switch
2 751 201 R1	PRODUCT GRAPHIC, adjusting (CCU)	604 021 C1	TREAD, safety walk (4)
2 752 600 R1	PRODUCT GRAPHIC, oil level (CCU)	145 373	SCREW, blunt drive (Used to attach number plate) (4)
2 753 005 R1	PRODUCT GRAPHIC, scarifier control	732 379 C1	PRODUCT GRAPHIC, L.G.P. (@)(2)
2 754 281 R1	PRODUCT GRAPHIC, "Fuel" (Not for custom application)	732 380 C1	PRODUCT GRAPHIC, L.G.P. (%) (2)
653 282 C1	PRODUCT GRAPHIC, operator safety		
629 402 C1	PRODUCT GRAPHIC, operator safety (For power shift)		
27 775 R1	PRODUCT GRAPHIC, "I.H." monogram (3)		
2 753 190 R1	PRODUCT GRAPHIC, "Made in United States of America"		

@ - For models painted I.H. yellow.

% - For models painted other than I.H. yellow.

§ - Not furnished separately.

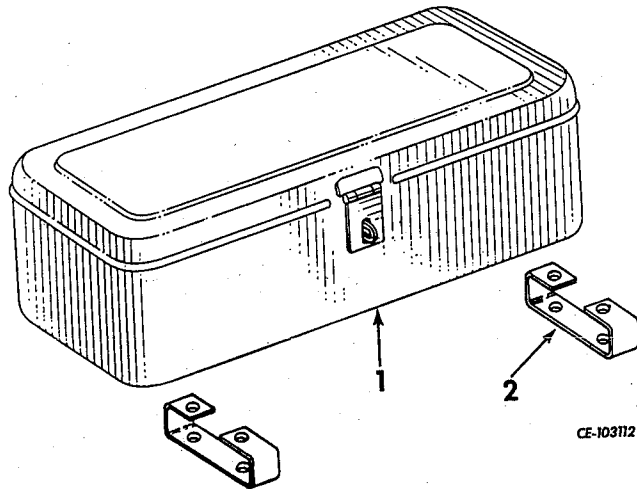
MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PACKAGES AND KITS					
					Page
603 289 C93		PACKAGE, product identification product graphic			2-3
629 300 C92		PACKAGE, instructional product graphic			2-3
547 495 R1		PACKAGE, "International" trademark			2-3
662 600 C91		KIT, sprocket carrier seal (Crane)			7-41
	or				
662 594 C91		KIT, sprocket carrier seal (Chicago Rawhide)			7-41
	or				
662 587 C92		KIT, sprocket carrier seal (Cartriseal)			7-45
604 741 C92		PACKAGE, transmission gasket field service (For power shift)			7-12
604 743 C91		PACKAGE, torque converter gasket field service (For power shift)			7-28
331 910 R91		PACKAGE, brake shoe lining field service			7-36
603 467 C91		PACKAGE, panel lamp service (Less bulbs)			8-7
620 322 C91		PACKAGE, booster, piston and valve field service			10-4
636 235 C91		PACKAGE, cylinder seal ring			10-5
636 131 C91		PACKAGE, cylinder seal ring			10-15,10-16
883 170 C91		KIT, seal repair (For pressure vacuum relief valve)			10-30
925 262 C91		KIT, seal repair (For pressure vacuum relief valve)			10-30
636 140 C91		PACKAGE, cylinder seal ring			10-48
636 143 C91		PACKAGE, cylinder seal ring			10-48A,
					10-49
710 461 C91		PACKAGE, air conditioner-heater and support.			13-14
635 576 C1		PACKAGE, connectors and terminals.			13-16
647 678 C91		KIT, roof seal			13-23
647 677 C91		KIT, door latch			13-26
634 802 C91		KIT, mounting hardware.			13-26
662 689 C91		PACKAGE, track idler support service			14-12
662 687 C91		PACKAGE, track idler support gusset service			14-12
662 688 C91		PACKAGE, track idler front support service.			14-12
662 622 C91		PACKAGE, oil seal service			14-4
655 970 C91		PACKAGE, oil seal service			14-4
655 971 C91		PACKAGE, reunitization field service.			14-4
606 132 C91		PACKAGE, track idler oil seal field service.			14-6,14-7
606 625 C91		PACKAGE, track idler reunitization band field service.			14-6,14-7
606 972 C91					14-6,14-7
606 974 C91					14-6,14-7
703 599 C91		PACKAGE, track frame front idler guide and wear bar field service			14-12
323 656 R91		PACKAGE, oil seal and wear sleeve service (CCU)			17-9
323 657 R91		PACKAGE, oil seal and wear sleeve service (CCU)			17-9

MISCELLANEOUS

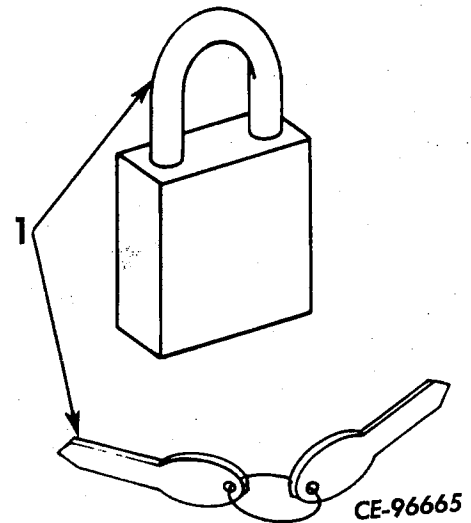
REF. NO.	PART NUMBER	DESCRIPTION

TOOL BOX



REF. NO.	PART NUMBER	DESCRIPTION

PADLOCK WITH KEYS



A	609 782 C91	ATTACHMENT, tool box (21") (See NOTES 1 and 3)
B	629 456 C91	ATTACHMENT, tool box (21") (For use on models equipped w/Hydraulic Tilt Attachment) (For Power Shift) (See NOTE 3)
1	325 479 R91	BOX, tool (21") or
1	636 114 C1	BOX, tool (21")
	24 840 R1	SCREW, hex-hd cap (4)
	115 093	WASHER, lock (4)
	103 341	WASHER, flat (4)
	25 522 R1	NUT (4 for B)
2	609 784 C1	BRACKET, tool box (2 for B)
	24 840 R1	SCREW, hex-hd cap (4)
	115 093	WASHER, lock (4)
	25 522 R1	NUT (4)
	715 423 C1	COUPLING, female quick disconnect

1	650 382 C91	PADLOCK w/KEYS

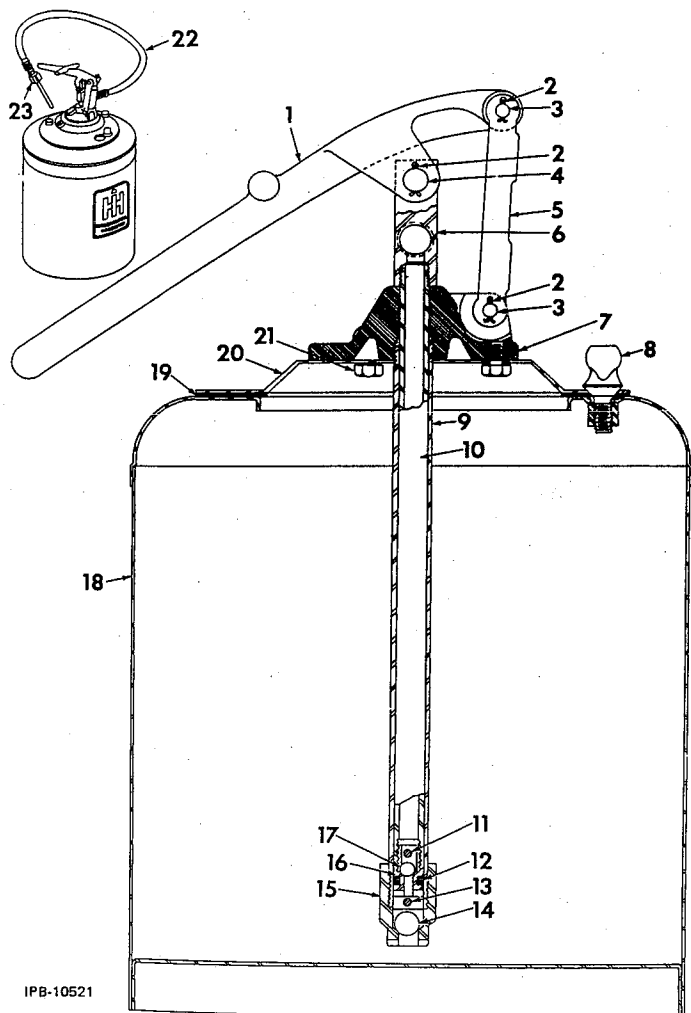
NOTE 1: Factory Application - Order on Machine Order Form.

NOTE 3: Field Application - Order Through Regular Parts Channels.

MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION

LUBRICATOR (Tank Type)



REF. NO.	PART NUMBER	DESCRIPTION

8	55 479 D	SCREW, container cover (3)
9	53 206 D	TUBE, pump
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, plunger
17	39 659 D	BALL, pump check
18	53 209 D	CONTAINER w/GASKET, 278 919 R1 and three SCREW, 55 479 D
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

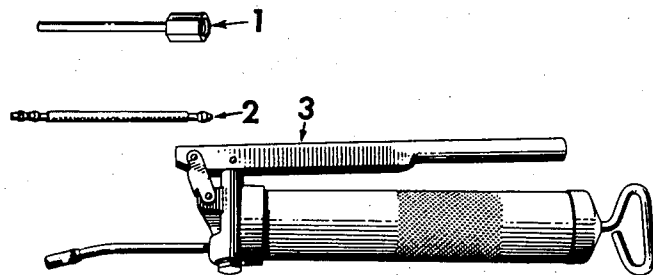
309 015 R91 LUBRICATOR ASSY (Consists of the following parts -

1	55 482 D	HANDLE, lever
2	103 372	PIN, cotter (3)
3	40 638 D	PIN, toggle (2)
4	40 635 D	PIN, handle
5	277 153 R1	TOGGLE
6	53 202 D	OUTLET, pump
7	310 923 R1	BODY, pump

MISCELLANEOUS

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

TOOLS



CE-103100

1	310 944 R91	NOZZLE, lubricator tank
2	619 581 C91	EXTENSION, grease gun flexible
3	999 677 R91	GUN, hand type grease (15-oz. size) (Part of ATTACHMENT, 999 677 C91)
	999 677 C91	ATTACHMENT, lubricator hand gun (Consists of GUN, 999 677 R91) (See NOTES 1 and 3)

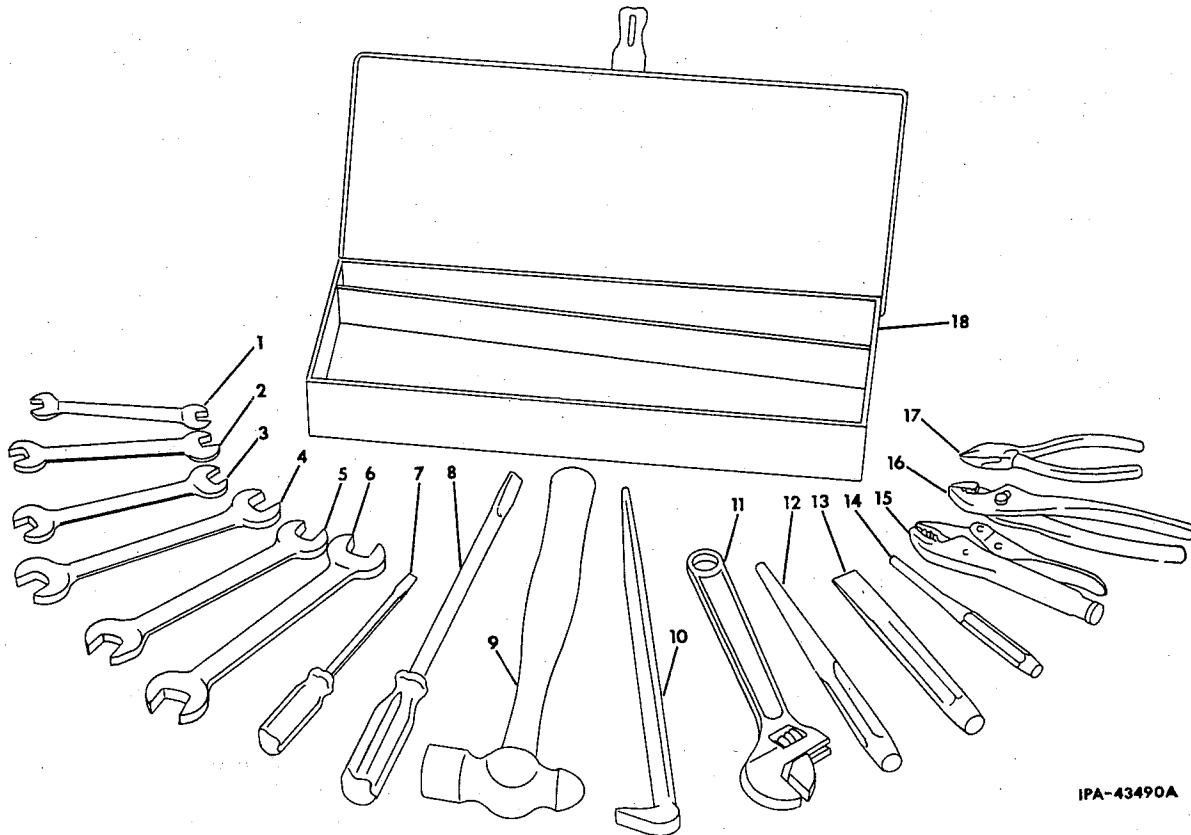
NOTE 1: Factory Application - Order on Machine Order Form.

NOTE 3: Field Application - Order through regular parts channels.

MISCELLANEOUS

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

TOOL SET



TOOL SET (Consists of seventeen tools and tool box) (Also see "Tools" listed in "Miscellaneous Equipment" Section of catalog) (See NOTE) (I.H. part number 276 820 R91)

1	E-1416	WRENCH, end (7/16 x 1/2")	13	CC-24	CHISEL (7/8" bit x 8" long)
2	E-1820	WRENCH, end (9/16 x 5/8")	14	PP-6	PUNCH (3/16" bit x 10" long)
3	E-2022	WRENCH, end (5/8 x 11/16")	15	735	WRENCH, vise grip (7")
4	E-2426	WRENCH, end (3/4 x 13/16")	16	712-A	PLIER (Slip joint, 8")
5	E-2628	WRENCH, end (13/16 x 7/8")	17	700-B	CUTTER, diagonal (6")
6	E-3032	WRENCH, end (15/16 x 1")	18	H-190	BOX, tool
7	SS-83	SCREWDRIVER (1/4" shank)			
8	SS-123	SCREWDRIVER (3/8" shank)			
9	BP-32	HAMMER (Ball peen)			
10	PB-43	BAR, pry (9/16" rd. x 16" long)			
11	DA-12	WRENCH (12" adjustable)			
12	TP-24	PUNCH (5/16" bit x 10" long)			

NOTE:

Order individual tools and complete tool sets from:
Service Tools
P.O. Box 314
Owatonna, Minnesota 55060

AIR

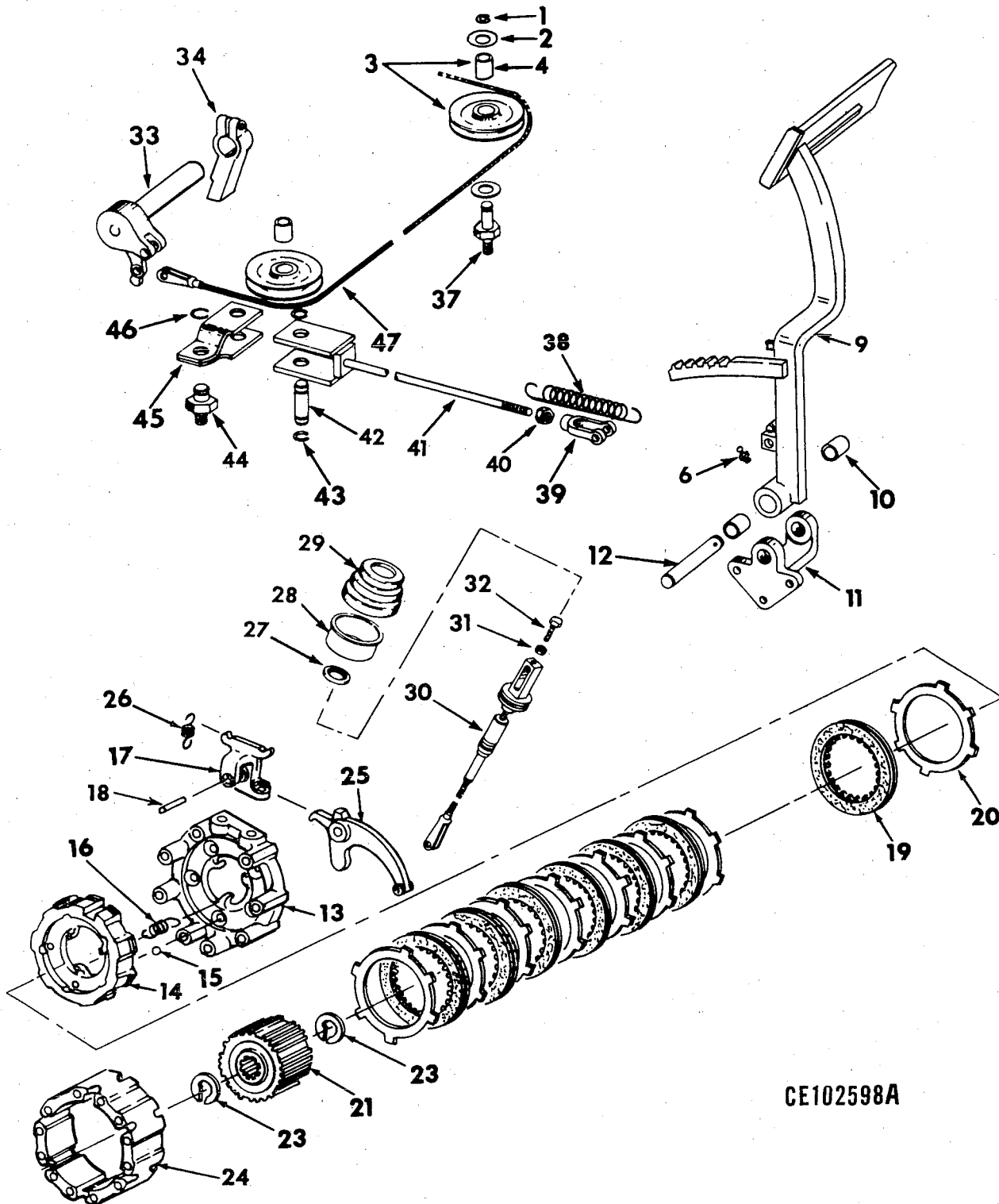
3

NOT USED ON THIS MACHINE

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

BRAKES

BRAKES AND CONTROLS



CE102598A

BRAKES

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKES AND CONTROLS — Continued					
1	631 530 R1	RING, snap	18	654 079 C1	SHAFT, brake actuating lever pivot (2)
2	452 971 R1	SPACER, idler pulley (2)	19	619 200 C1	DISC, brake friction (14) 2078 and below
3	325 558 R11	PULLEY w/BUSHING, 307 434 R1, foot brake actuating cable (2)	19	705 105 C2	DISC, brake friction (14) 2079 and up
4	307 434 R1	BUSHING, pulley (2)	20	324 452 R1	PLATE, friction disc separator (16)
6	109 461	FITTING, brake pedal lubrication straight (Used with PEDAL, 628 227 C91)	21	654 690 C1	HUB, brake retaining (2)
6	126 152	FITTING, brake pedal lubrication, 45° (Used with PEDAL, 652 715 C91)	23	324 051 R1	RING, brake hub retaining (4)
9	628 227 C91	PEDAL w/two BUSHING, 325 180 R1, brake 2321 and below (Order the following parts - 1 DRAWING CZG-936 1 DRAWING CZG-1603 1 PEDAL 652 715 C91 1 SPACER 345 568 R1)	24	654 691 C1 277 232 R1	RETAINER, clutch plate (2) SCREW, hex-hd cap (16)
9	652 715 C91	PEDAL w/two BUSHING, 325 180 R1, brake 2322 and up	25	654 700 C1	LEVER, brake actuating
10	325 180 R1	BUSHING, brake pedal (2)	26	654 080 C1	SPRING, brake actuating lever return
11	325 569 R1 25 526 R1 345 568 R1 24 863 R1 116 121	BRACKET, brake pedal mounting NUT (3) SPACER, brake locking SCREW, hex-hd cap (3) WASHER, lock (3)	27	324 103 R91	SEAL, brake actuating cable guide (2)
12	325 570 R1 576 484 R1	SHAFT, brake pedal PIN, roll	28	338 276 R2	SLEEVE, brake guide boot (2)
13	654 673 C1 24 846 R1	PLATE, brake actuator pressure (2) SCREW, hex-hd cap (16)	29	338 277 R3	BOOT, brake cable (2)
14	654 674 C1	ACTUATOR, brake (2)	30	654 124 C1 103 385 27 128 H 98 724 H	CABLE, brake actuating (2) PIN, cotter (4) PIN, rod end (2) PIN, rod end (2)
15	17 100 R1	BALL, chrome steel brake actuating (10)	31	25 524 R1	NUT, 7/16" (2)
16	654 675 C1	SPRING, actuator return (6)	32	191 967	SCREW, sq. hd set brake actuating cable (2)
17	654 707 C1 24 873 R1 25 547 R1	SUPPORT, brake actuating lever (2) SCREW, hex-hd cap (4) WASHER, hardened (4)	33	609 850 C11	BELLCRANK, LH brake actuating
			33	609 851 C11 109 461	BELLCRANK, RH brake actuating FITTING, brake actuating bellcrank lubrication (2)
			34	334 872 R1 24 863 R1 116 121 124 557	LEVER, pivot brake pick-up (2) SCREW, hex-hd cap (2) WASHER, lock (2) KEY, (Woodruff No. C) (6)
			37	325 559 R2	SHAFT, foot brake actuating cable pulley stud
			38	272 536 R1	SPRING, brake pedal return
			39	104 039 103 498 103 385	CLEVIS, short adjustable PIN, rod end PIN, cotter
			40	118 627	NUT, NF
			41	325 563 R92	YOKE, brake pulley pull rod

BRAKES

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

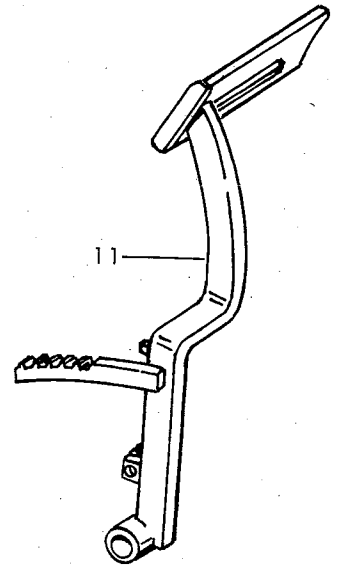
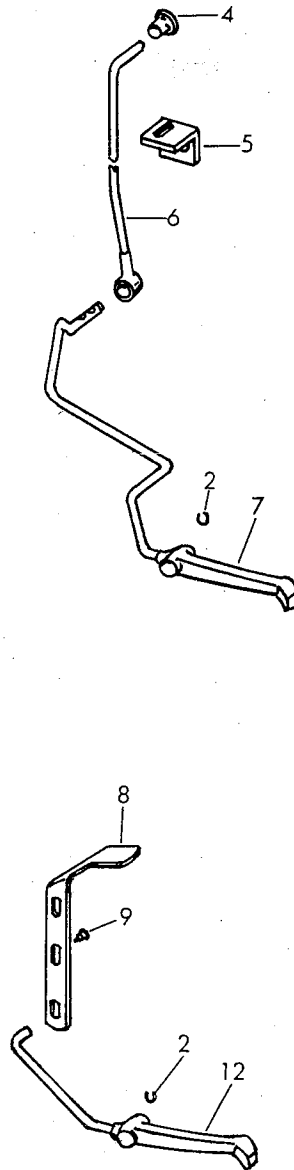
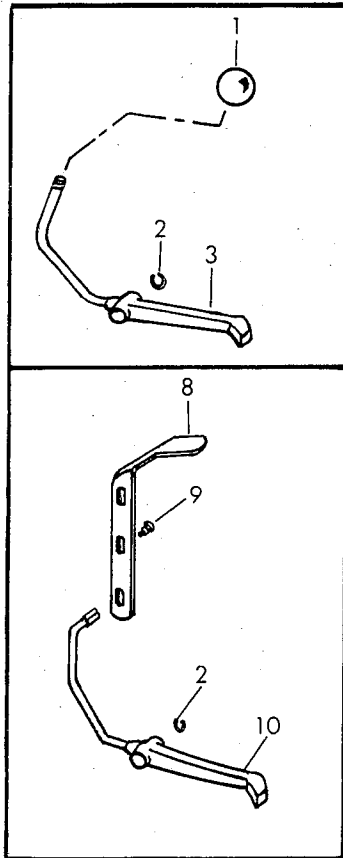
BRAKES AND CONTROLS — Continued

42	325 567 R2	SHAFT, pulley			
43	631 530 R1	RING, snap (2)			
44	325 562 R2	STUD, pulley support			
45	330 705 R91	SUPPORT, pulley			
46	631 530 R1	RING, snap			
47	325 554 R93	CABLE, w/two PIN, foot brake actuating			
	103 385	PIN, 1/8 x 1" cotter (2)			
	108 636	PIN, 3/32 x 1-1/8" cotter (2)			
	84 727 H	PIN, rod end (2)			

BRAKES

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

MANUAL BRAKE PEDAL PAWL



CE-115151

A	MANUAL BRAKE PEDAL PAWL 3751 and below	D	MANUAL BRAKE PEDAL PAWL (Manual shift and power shift w/blade equipment) 3752 and up
B	MANUAL BRAKE PEDAL PAWL (Manual shift and power shift w/o blade equipment) 3752 to *	E	MANUAL BRAKE PEDAL PAWL (Custom application) 3752 and up
C	MANUAL BRAKE PEDAL PAWL (Manual shift and power shift w/o blade equipment) * and up	1	307 839 R1 KNOB, brake locking pawl (A)
		2	373 692 R1 RING, gear

* Serial Number not Available

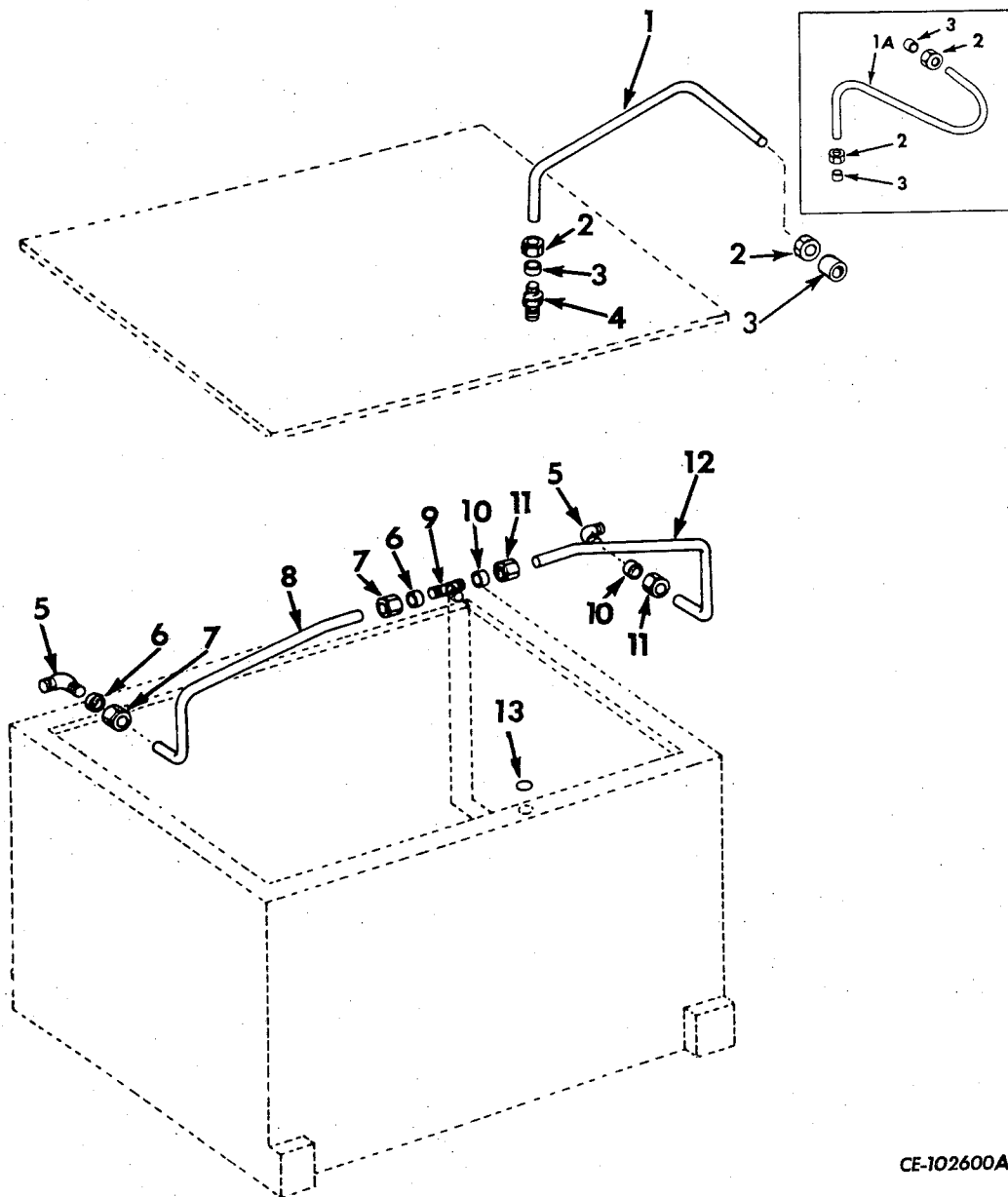
BRAKES

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MANUAL BRAKE PEDAL PAWL - Continued.					
3	652 714 C1	PAWL, manual brake pedal (A) (Order the following parts) (For manual shift and power shift w/blade equipment) 1 CZG1911 DRAWING 1 652 724 C1 PAWL 1 657 052 C2 ROD 2 103 374 PIN 1 652 726 C1 BRACKET 1 24 839 R1 BOLT 1 25 534 R1 WASHER 1 25 522 R1 NUT) (For manual shift and power shift w/o blade equipment) 1 334 217 R92 PAWL 1 604 198 C1 LEVER 2 603 475 C1 GUIDE 2 25 532 R1 WASHER 2 25 519 R1 NUT 2 300 657 R1 WASHER) (For custom application) 1 650 199 C1 PAWL 1 604 198 C1 LEVER 2 603 475 C1 GUIDE 2 25 532 R1 WASHER 2 25 519 R1 NUT 2 300 657 R1 WASHER)			
4	359 108 R2	KNOB (C, D)			
5	652 726 C1 24 839 R1 25 534 R1 25 522 R1	BRACKET, brake pawl (C, D) BOLT WASHER NUT			
6	657 052 C2 103 374	ROD, brake pawl release (C, D) PIN, cotter			
7	652 724 C1	PAWL, brake locking (C, D)			
8	604 198 C1	LEVER, brake pawl operating (B, E)			
9	603 475 C1 25 532 R1 25 519 R1 300 657 R1	GUIDE, manual brake pedal pawl operating lever (2 for B, E) WASHER (2) NUT (2) WASHER (2)			
10	334 217 R92	PAWL, manual brake pedal (B)			
11		PEDAL, manual brake (Refer to "Brakes and Controls")			
12	650 199 C1	PAWL, manual brake pedal (E)			

BRAKES

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

BRAKE OIL COOLING PIPING



CE-102600A

1	624 996 C91	TUBE w/two NUT, 265 205 R1, and two SLEEVE, 265 204 R1, regulator to rear main frame cover (Power shift)	3	265 204 R1	SLEEVE (2)
1A	611 152 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, transmission case tee to rear main frame cover (Manual shift and custom)	4	606 819 C1	CONNECTOR, rear main frame cover tube
2	265 205 R1	NUT (2)	5	610 473 C2	ELBOW, brake cooling oil inlet restrictor (Inside of main frame) (2)
			6	265 204 R1	SLEEVE (2)

BRAKES

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE OIL COOLING PIPING — Continued					
7	265 205 R1	NUT (2)			
8	611 153 C11	TUBE w/two SLEEVE, 265 204 R1, and two NUT, 265 205 R1, LH brake cooling oil 1556 and below			
8	661 322 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, LH brake cooling oil 1557 and up			
9	610 472 C1	TEE, brake cooling oil inlet (Inside main frame)			
10	265 204 R1	SLEEVE (2)			
11	265 205 R1	NUT (2)			
12	611 154 C11	TUBE w/two SLEEVE, 265 204 R1 and two NUT, 265 205 R1, RH brake cooling oil 1556 and below			
12	661 323 C91	TUBE w/two NUT, 265 205 R1, and two SLEEVE, 265 204 R1, RH brake cooling oil 1557 and up			
13	628 387 C1	RING, oil port sealing			

NOT USED ON THIS MACHINE

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

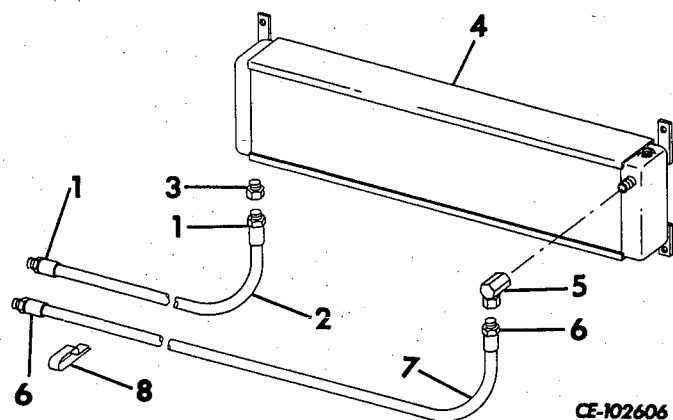
COOLING

6

COOLING

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

ENGINE CLUTCH OIL COOLER AND PIPING (For Manual Shift and Custom Application)



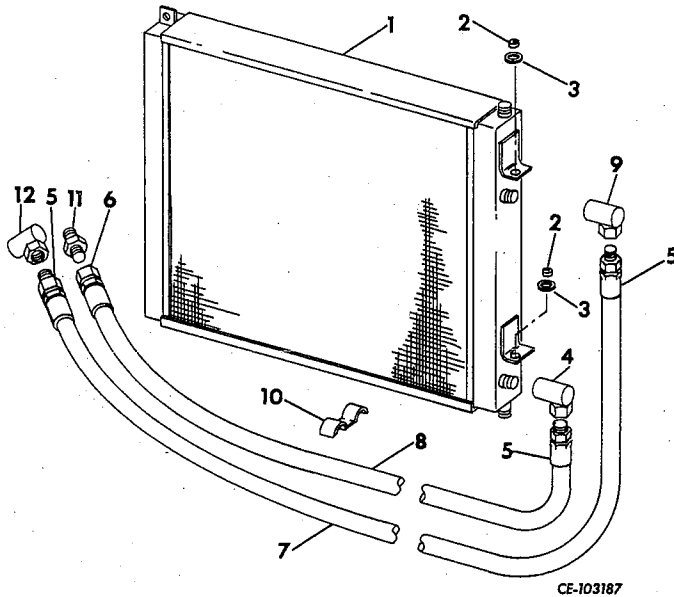
1		FITTING, hose (Order HOSE, 610 548 C91) (*) (2)
2	610 548 C91	HOSE w/two FITTING, regulator outlet to oil cooler inlet (HOSE, 1/2"ID x 136" long including FITTINGS) (*)
3	364 890 R91	ADAPTER, oil cooler inlet (*)
4	637 356 C1 25 772 R1 115 093 103 341	COOLER, engine clutch oil (*) SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (4)
5	347 518 R91	ELBOW, cooler outlet (*)
6		FITTING, hose (Order HOSE, 606 001 C91) (*) (2)
7	606 001 C91	HOSE w/two FITTING, oil cooler to clutch housing (HOSE, 1/2"ID x 120" long including FITTINGS) (*)
8	326 078 R1 25 768 R1 115 093 103 341	CLAMP, cooler hose (On front frame) (2) SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)
8	326 078 R1 25 522 R1 24 840 R1 115 093 103 341	CLAMP, cooler hose (On front frame tube bracket) NUT SCREW, hex-hd cap WASHER, lock WASHER, flat

(*) - Not used with Clutch Oil Cooler Attachment.

COOLING

REF. NO.	PART NUMBER	DESCRIPTION

HINGED OIL COOLER (Manual Shift and Custom Application)



REF. NO.	PART NUMBER	DESCRIPTION
10	600 859 C1	CLAMP, cooler inlet and outlet hose (2)
	102 635	NUT
	179 847	SCREW, hex-hd cap
	103 321	WASHER, lock
11	9 402 711	CONNECTOR, regulator outlet
12	630 349 C1	ELBOW, 90° clutch inlet
	628 243 C91	ATTACHMENT, hinged oil cooler (See NOTE 3) (Consists of -
	1	BAFFLE - LH 661 500 C1
	1	BAFFLE - RH 661 502 C1
	2	CLAMP 600 859 C1
	1	CONNECTOR 9 402 711
	1	COOLER 637 358 C1
	1	ELBOW 9 402 906
	1	ELBOW 297 248 R1
	1	ELBOW 630 349 C1
	3	FITTING 319 753 R91
	1	FITTING 100 798 R91
	1	HOSE 658 867 C1
	1	HOSE 658 860 C1)

1	637 358 C2	COOLER, oil
	102 637	NUT (2)
	179 885	SCREW, 1/2" hex-hd cap (2)
	180 145	SCREW, 7/16" hex-hd cap (2)
	11 002 VA	WASHER, 11/32" flat (2)
	103 323	WASHER, 1/2" lock (2)
	103 322	WASHER, 7/16" lock (2)
	103 342	WASHER, 15/32" flat (2)
2	312 565 R1	BUSHING, cooler hinge (2)
3	270 711 R1	SHIM, cooler hinge (x)
4	297 248 R1	ELBOW, cooler inlet
5		FITTING, hose (Not furnished separately) (3)
6		FITTING, hose (Not furnished separately)
7	658 867 C1	HOSE w/two FITTING, cooler to clutch (HOSE, 3/4" ID x 126" long including FITTINGS)
8	658 860 C1	HOSE w/FITTING, regulator to cooler (HOSE, 3/4" ID x 138" long including FITTINGS)
9	297 248 R1	ELBOW, cooler outlet

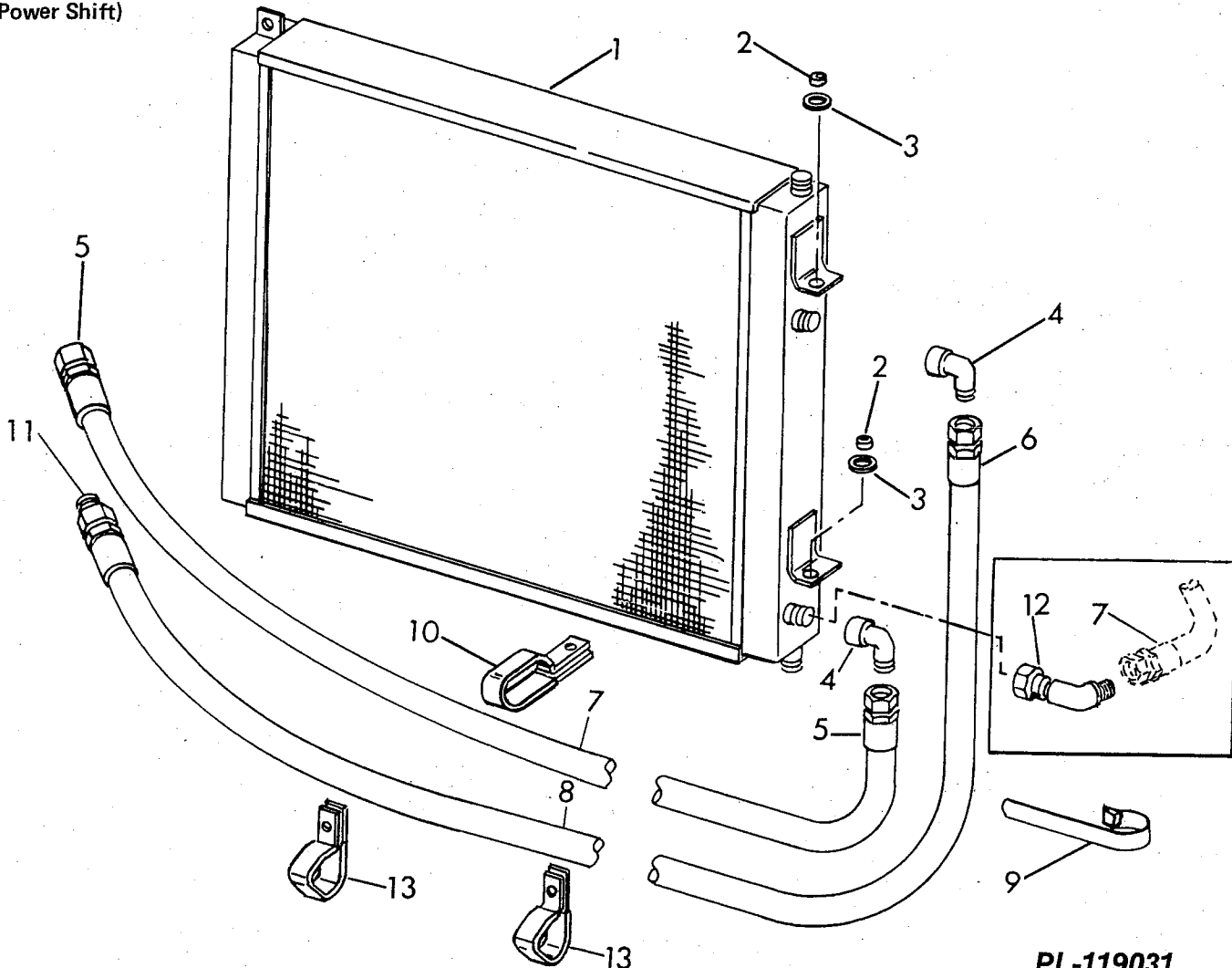
(x) - As Required.

NOTE 3: Field Application - Order through Regular Parts Channels.

COOLING

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

OIL TO AIR COOLER AND PIPING (Power Shift)



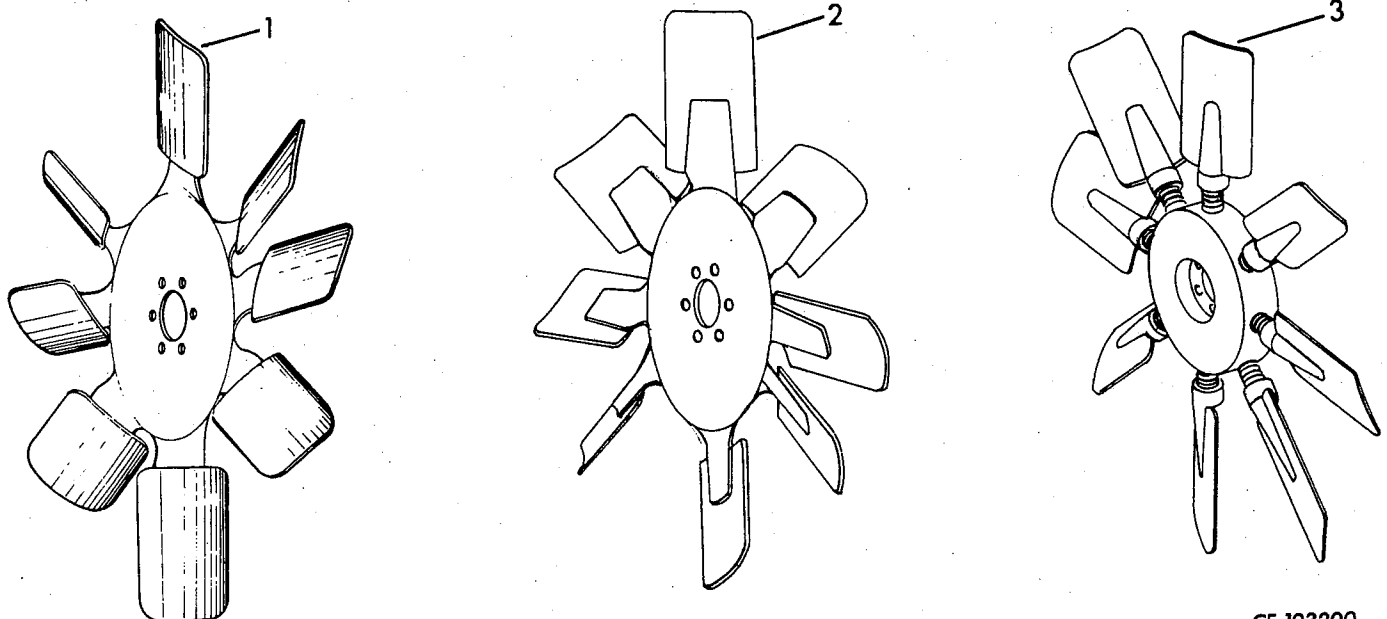
PL-119031

1	667 019 C91	COOLER, oil to air	7	661 485 C1	HOSE w/FITTINGS, torque converter to oil cooler (HOSE, 3/4" ID x 96" long w/FITTINGS)
	OR				667 and up
1	637 358 C2	COOLER, oil to air	8	658 860 C1	HOSE w/FITTINGS, oil cooler to regulator inlet (HOSE, 3/4" ID x 138" long including FITTINGS)
	25 526 R1	NUT (2)			
	24 862 R1	SCREW, 1/2" hex-hd cap (2)			
	24 849 R1	SCREW, 7/16" hex-hd cap (2)			
	116 121	WASHER, 1/2" lock (2)			
	115 314	WASHER, 7/16" lock (2)			
	11 002 VA	WASHER, 17/32" flat (2)			
	103 342	WASHER, 15/32" flat (2)			
2	312 565 R1	BUSHING, cooler hinge (2)	9	327 273 R91	STRAP, cooler hose (4)
3	270 711 R1	SHIM, hinge (x)	10	600 859 C1	CLAMP, inlet and outlet hose (2)(%)
4	9 402 906	ELBOW, oil cooler inlet and outlet (2)(%)			1580 and below
5		FITTING, female hose (\$)		25 522 R1	NUT
6		FITTING, hose (\$)		24 843 R1	SCREW, hex-hd cap
7		HOSE w/two FITTINGS, Torque Converter to oil cooler (HOSE, 3/4" ID x 38" long including FITTINGS)(%). 666 and below		115 093	WASHER, lock
			10	361 656 C1	CLAMP, cooler inlet and outlet hose
					(3) 1580 and below
					(2) 1581 and up
				140 483 H	SCREW, 1-1/4" long hex-hd cap
				24 840 R1	SCREW, 1" long hex-hd cap
				315 972 R1	SPACER, clamp
				115 093	WASHER, lock (2)
				25 534 R1	WASHER, flat (2)
					(x) - As Required.
					(\$)- Not furnished separately

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
OIL TO AIR COOLER AND PIPING — Continued (Power Shift)					
11		FITTING, hose (\$)	308 576 R1		CLAMP, cooler to regulator hose (On safety filter bracket) 666 and below
12	9 410 257	ELBOW, oil cooler hose inlet (+)			
13	662 362 C1	CLAMP, cooler to regulator hose (2) (on front frame engine support)(+)	308 882 R1		CLIP, cooler to regulator hose (On pressure filter flange) * and below
	24 840 R1	SCREW, hex-hd (2)			
	25 534 R1	WASHER, hardened (2)			
	115 093	WASHER, lock (2)			
	608 868 C1	CLAMP, regulator inlet hose (%) 1581 and up			(+) - For Low Ground Pressure only.
	140 483 H	SCREW, hex-hd cap			(\$) - Not Furnished Separately.
	315 972 R1	SPACER, clamp			(%) - Not For Low Ground Pressure
	25 534 R1	WASHER, flat			
	115 093	WASHER, lock			

FAN



CE-103200

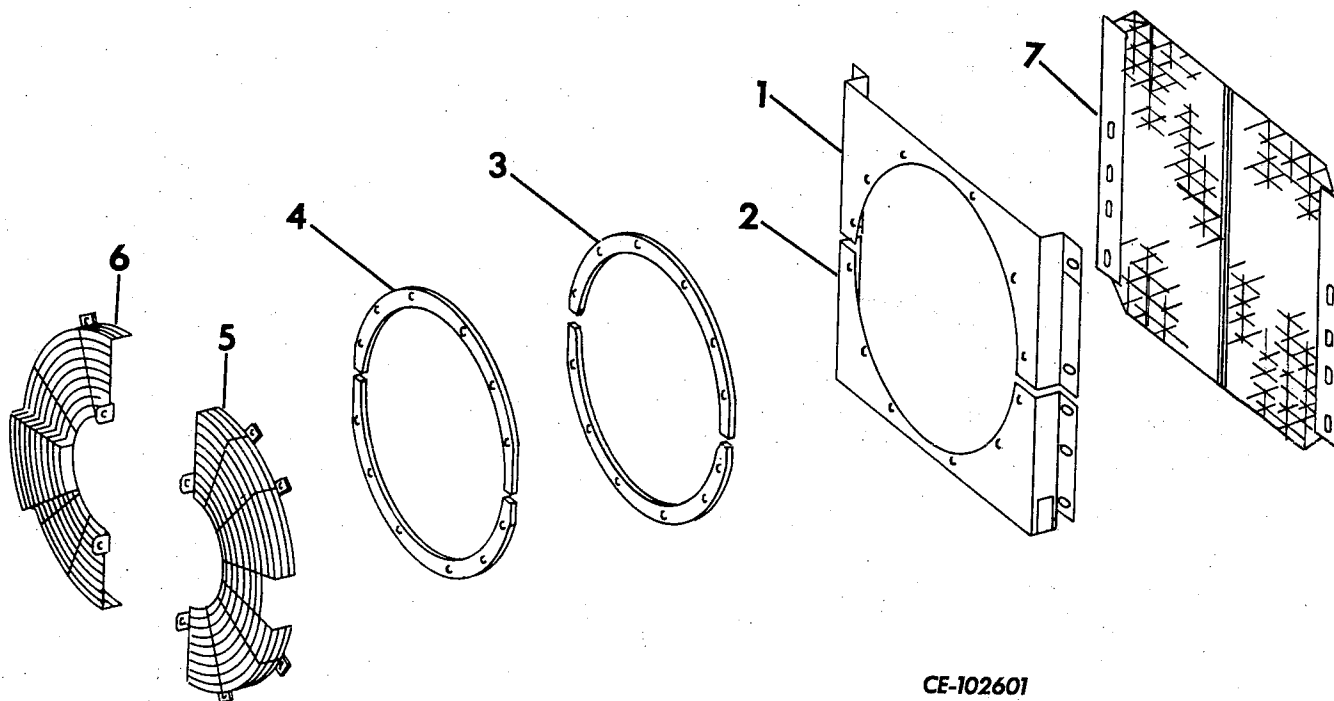
1	338 908 R91	FAN, blower (For manual shift and power shift)	629 471 C91	ATTACHMENT, reversible fan (Not for use on models equipped with radiator core guard) (Consists of FAN, 651 117 C91, six SCREW, 24 840 R1, and six WASHER, 115 093) (See NOTE 4)
	24 840 R1	SCREW, hex-hd cap (6)		
	115 093	WASHER, lock (6)		
2	338 909 R91	FAN, suction (For custom application)		
	24 840 R1	SCREW, hex-hd cap (6)		
	115 093	WASHER, lock (6)		
3	651 117 C91	FAN, reversible (Part of ATTACHMENT, 629 471 C91)		
	24 840 R1	SCREW, hex-hd cap (6)		
	115 093	WASHER, lock (6)		

NOTE 4: Attachment no longer available. Service parts will be furnished.

COOLING

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

FAN SHROUDS AND GUARDS



CE-102601

1	651 026 C1 25 770 R1 115 093 103 341	SHROUD, upper fan SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (3)	6	616 295 C1 25 522 R1 26 310 R1 24 839 R1 115 093	GUARD, LH finger NUT (2) SCREW, 1" long hex-hd cap (4) SCREW, 3/4" long hex-hd cap (2) WASHER, lock (2)
2	651 027 C1 25 770 R1 115 093 103 341	SHROUD, lower fan SCREW, hex-hd cap (6) WASHER, lock (6) WASHER, flat (4)	7	651 438 C1	GRID, radiator core guard (Part of GUARD ATTACHMENT, 629 268 C91)
3	620 415 C1	LINER, fan shroud (2)	OR		
4	620 416 C1 27 768 R1 103 341	STIFFENER, fan shroud liner (2) SCREW, hex-hd cap (4) WASHER, flat (12)	7	668 095 C1	GRID, radiator core guard
5	609 995 C92 26 310 R1	GUARD, RH finger SCREW, hex-hd cap (4)		629 268 C91	ATTACHMENT, radiator core guard (Consists of GRID, 651 438 C1) (For Manual Shift and Power Shift models equipped w/blower fan) (Not for models equipped w/armored core radiator or reversible fan) (See NOTES 1 and 3)

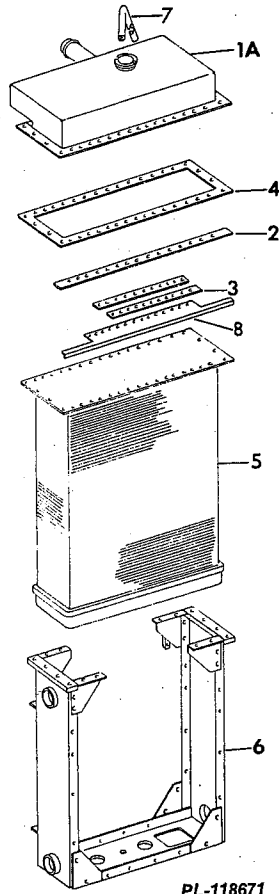
NOTE 1: Factory Application - Order on Machine Order Form.

NOTE 3: Field Application - Order through Regular Parts Channels.

COOLING

REF. NO.	PART NUMBER	DESCRIPTION

RADIATOR (For Low Ground Pressure)



REF. NO.	PART NUMBER	DESCRIPTION
4	627 942 C91	KIT, radiator gasket
5	630 717 C1	CORE and BOTTOM TANK, radiator (A)
5	630 718 C1	CORE and BOTTOM TANK, radiator (B)
6	637 479 C1	FRAME ASSY., radiator core
7	709 330 C1	HOSE, radiator overflow
8	637 480 C1	BAR, header angle (B)

A Service parts for woodscore radiator
engine side enclosure and perforated
(MODINE)

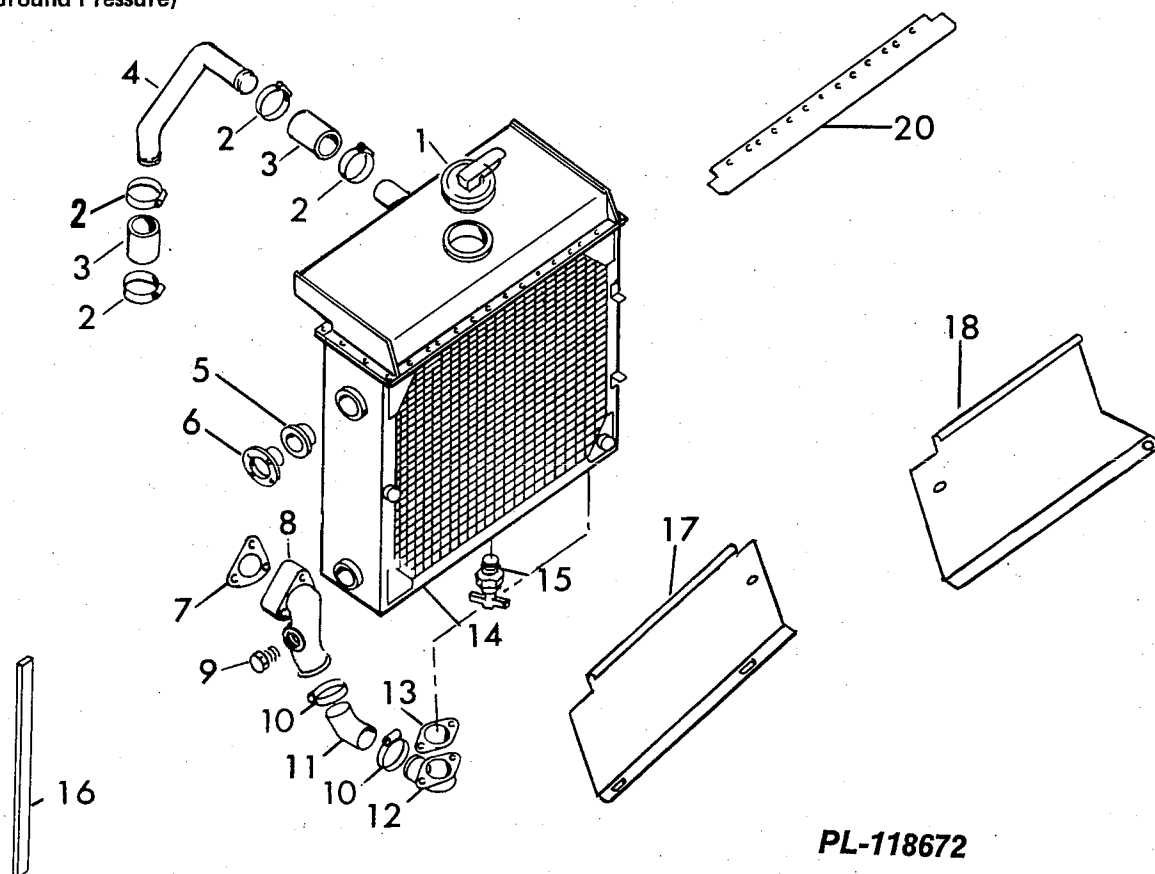
B Service parts for Armored Core
radiator assy. (MODINE)

1	634 653 C1 25 522 R1 24 840 R1 115 093	TANK, radiator top NUT (15) BOLT (38) WASHER, lock (38)
2	630 495 C1	BAR, top tank tapping
3	630 489 C1	BAR, top tank header (2)

COOLING

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

RADIATOR AND CONNECTIONS (For Low Ground Pressure)



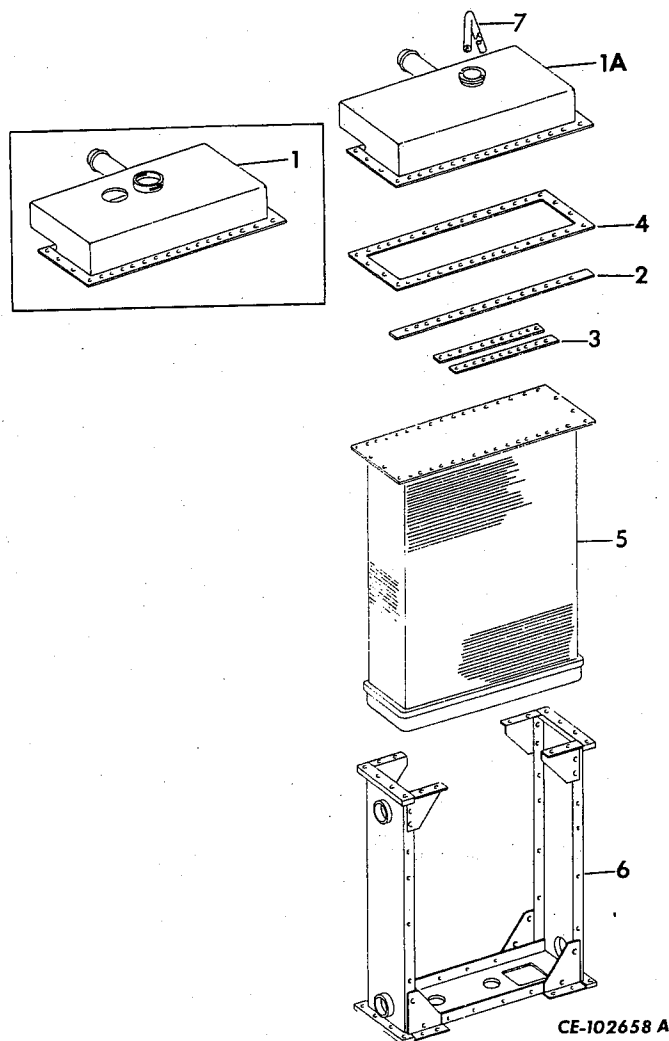
PL-118672

1	713 389 C2	CAP, radiator	13	651 038 C1	GASKET, elbow
2	401 345 R1	CLAMP, radiator inlet hose (4)	14		RADIATOR (For components, see list of parts under details of "RADIATOR")
3	407 010 R1	HOSE, radiator inlet tube (2)	15	31 729 D	VALVE, radiator drain
4	706 415 C1	TUBE, radiator inlet	16	609 683 C1	SEAL, radiator side air (2)
5	274 287 R2	MOUNTING, radiator rubber (4)	17	713 480 C1	BAFFLE, RH radiator lower air
6	311 218 R1	BRACKET, radiator mounting (4)		24 839 R1	SCREW, hex-hd tapping (2)
	616 373 C1	BOLT, radiator mounting (16)		115 093	WASHER, lock (2)
7	673 396 C1	GASKET, elbow		103 341	WASHER, flat (2)
8	651 055 C2	ELBOW, engine water inlet	18	713 479 C1	BAFFLE, LH radiator lower air
	277 232 R1	SCREW, hex-hd cap (3)		24 839 R1	SCREW, hex-hd tapping (3)
	115 093	WASHER, lock (3)		115 093	WASHER, lock (3)
				103 341	WASHER, flat (3)
9	20 990 R1	PLUG, inlet elbow	19	713 482 C1	BAFFLE, radiator top air
10	122 323 R91	CLAMP, radiator outlet hose (2)	20	274 239 R1	CLIP, overflow pipe (Mount on fan shroud screws) (2)
11	651 050 C1	HOSE, radiator outlet elbow			
12	651 037 C1	ELBOW, radiator outlet			
	24 840 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			

COOLING

REF. NO.	PART NUMBER	DESCRIPTION

RADIATOR (Not For Low Ground Pressure)



A	Service parts for Radiator Assy. (For Manual Shift and Custom Application) (MODINE) 3631 and below
B	Service parts for Radiator Assy. (For Power Shift) (MODINE) 3631 and below
C	Service parts for Radiator Assy. (For manual shift and custom application equipped with hinged oil cooler attachment) (MODINE)
D	Service parts for Armored Core Radiator Assy. (For Manual Shift) (MODINE)

REF. NO.	PART NUMBER	DESCRIPTION

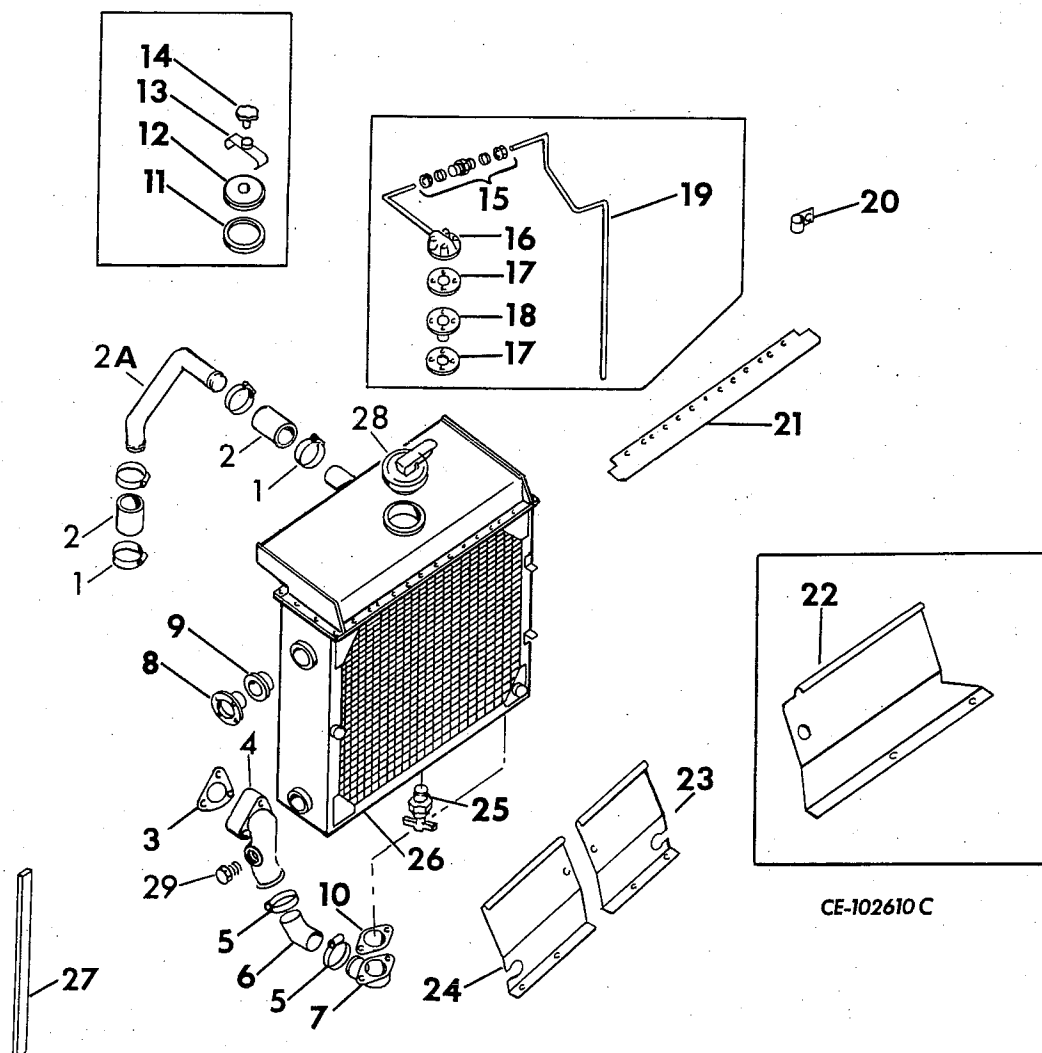
E		Service parts for Armored Core Radiator Assy. (For Power Shift) (MODINE) 3641 and below
F	632 214 C91	ATTACHMENT, wood core radiator (For machines equipped with engine side enclosure and perforated hood) (Power Shift) #and below
G	709 333 C91	ATTACHMENT, wood core radiator (For machines equipped with engine side enclosure and perforated hood) (Power Shift) (MODINE) #and up
H		Service parts for Armored Core Radiator Assy. (For Power Shift) (MODINE) 3642 and up
I		Service parts for Radiator Assy. (For Custom Application) (MODINE) 3632 and up
J		Service parts for Radiator Assy. (For Power Shift) (MODINE) 3632 and up
1	630 714 C1 25 522 R1 24 840 R1 115 093	TANK, radiator top (A, B, C, D, E, F) NUT (15) BOLT (38) WASHER, lock (38)
1A	634 653 C1 25 522 R1 24 840 R1 115 093	TANK, radiator top (A, B, C, D, E, F) NUT (15) BOLT (38) WASHER, lock (38)
2	630 495 C1	BAR, top tank tapping
3	630 489 C1	BAR, top tank header (2)
4	627 942 C91	KIT, radiator gasket
5	630 717 C1	CORE and BOTTOM TANK, radiator (A, B, C, I, J)
5	630 718 C1	CORE and BOTTOM TANK, radiator (D, E, H)
5	634 380 C1	CORE and BOTTOM TANK, radiator (F, G)
6	630 715 C1	FRAME ASSY., radiator core (A, D)
6	630 715 C1	FRAME ASSY., radiator core (B, C, E, F, G, H, I, J)
7	709 330 C1	HOSE, radiator overflow (G, H, I, J)

#- Serial Number Not Available.

COOLING

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

RADIATOR AND CONNECTIONS (Not For Low Ground Pressure)



CE-102610 C

1	401 345 R1	CLAMP, radiator inlet hose (4)	7	651 037 C1 24 840 R1 115 093	ELBOW, radiator outlet SCREW, hex-hd cap (2) WASHER, lock (2)
2	407 010 R1	HOSE, radiator inlet tube (w/clamp 684 072 C1 and Tube 706 415 C1, will work for 651 025 C11) (2)	8	311 218 R1 616 373 C1	BRACKET, radiator mounting (4) BOLT, radiator mounting (16)
2A	706 415 C1	TUBE, radiator inlet	9	274 287 R2	MOUNTING, radiator rubber (4)
3	673 396 C1	GASKET, elbow	10	651 038 C1	GASKET, elbow
4	651 055 C2 277 232 R1 115 093	ELBOW, engine water inlet SCREW, hex-hd cap (3) WASHER, lock (3)	11	620 086 C2	GASKET, radiator cap (x)
5	122 323 R91	CLAMP, radiator outlet hose (2)			
6	651 050 C1	HOSE, radiator outlet elbow			

(x) - For use with TANK 630 714 C1

COOLING

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RADIATOR AND CONNECTIONS -- Continued (Not For Low Ground Pressure)					
12	703 480 C1	CAP, radiator (Use with HANDLE, 703 482 C1) (x) (Order the following - 1 HANDLE 663 165 C1 1 CAP 663 167 C1 1 CLAMP 663 169 C1 1 GASKET 620 086 C2)	24	651 499 C1	BAFFLE, RH radiator lower air (Manual shift and custom application) (Not used with hinged oil cooler attachment, 628 243 C91)
12	663 167 C1	CAP, radiator (Use with HANDLE, 663 165 C1) (x)	24	661 502 C1	BAFFLE, RH radiator lower air (Power shift) (Also part of hinged oil cooler attachment, 628 243 C91)
13	703 481 C1	CLAMP, radiator cap (Use with HANDLE, 703 482 C1) (x) (Order the following - 1 HANDLE 663 165 C1 1 CAP 663 167 C1 1 CLAMP 663 169 C1 1 GASKET 620 086 C2)		24 839 R1 115 093 103 341	SCREW, hex-hd tapping (2) WASHER, lock (2) WASHER, flat (2)
13	663 169 C1	CLAMP, radiator cap (Use with HANDLE, 663 165 C1) (x)	25	31 729 D	VALVE, radiator drain
14	703 482 C1	HANDLE with 1-1/4" long bolt, radiator cap (x) (Order the following - 1 HANDLE 663 165 C1 1 CAP 663 167 C1 1 CLAMP 663 169 C1 1 GASKET 620 068 C2)	26		RADIATOR (For components, see list of parts under details of "RADIATOR")
	17 271 R1	PIN, spring	27	609 683 C1	SEAL, radiator side air (2)
14	663 165 C1	HANDLE, with 1-1/2" long bolt, radiator cap (x)	28	713 389 C2	CAP, radiator (#)
	17 271 R1	PIN, spring (x)		327 393 R1	GROMMET, radiator oil line (For manual shift and custom application)
15	140 302	CONNECTOR, overflow pipe (x)	29	20 990 R1	PLUG, inlet elbow
16	327 777 R91 24 841 R1 115 093	HOUSING, pressure valve (x) SCREW, hex-hd cap (4) WASHER, lock (4)			
17	320 391 R1	GASKET, pressure valve housing (2) (x)			
18	321 149 R92	VALVE, radiator pressure (x)			
19	331 833 R2	PIPE, overflow (x)			
20	274 239 R1	CLIP, overflow pipe (Mount on fan shroud screws) (2)			
21	624 416 C1	BAFFLE, radiator top air			
22	661 500 C1	BAFFLE, LH radiator lower air (For power shift) (Also part of hinged oil cooler attachment, 628 243 C91)			
	24 839 R1 115 093 103 341	SCREW, hex-hd tapping (3) WASHER, lock (3) WASHER, flat (3)			
23	651 497 C1	BRACKET, LH radiator lower air (For manual shift and custom application) (Not used with hinged oil cooler attachment, 628 243 C91)			
	24 839 R1 115 093 103 341	SCREW, hex-hd tapping (3) WASHER, lock (3) WASHER, flat (3)			

(x) - For use with TANK 630 714 C1.
(#) - For use with TANK 634 653 C1.

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

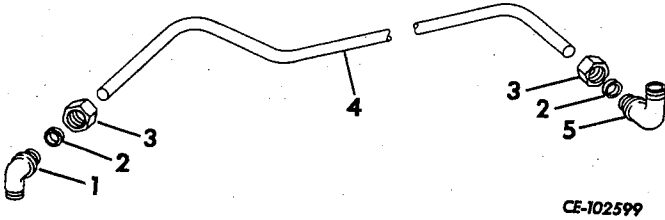
DRIVE TRAIN

7

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION

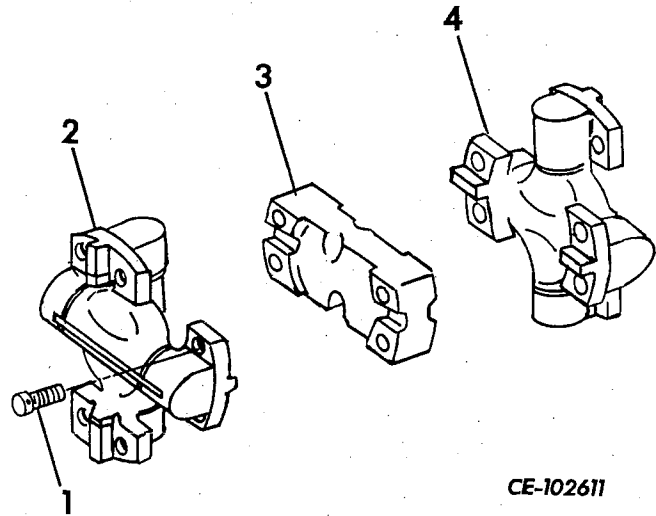
CLUTCH VENT TUBE (For Manual Shift and Custom Applications)



1	606 930 C1	ELBOW, clutch housing vent
2	265 204 R1	SLEEVE, tube (2)
3	265 205 R1	NUT, tube (2)
4	654 398 C91	TUBE w/two NUT, 265 205 R1, and two SLEEVE, 265 204 R1, clutch housing vent
5	606 845 C1	ELBOW, vent tube (In rear main frame cover)

REF. NO.	PART NUMBER	DESCRIPTION

UNIVERSAL JOINT



A	658 396 C91	"U" JOINT ASSY. (For Manual Shift and Custom Applications)
	334 690 R1	SCREW, 12 point flanged (8)
B	654 897 C91	"U" JOINT ASSY. (Order "U" Joint Assy., 654 897 C93) (For Power Shift)
	25 705 R1	SCREW, hex-hd cap (8)
C	654 897 C92	"U" JOINT ASSY. (Order "U" Joint Assy., 654 897 C93 and eight SCREW, 25705 R1) (For Power Shift)
	25 774 R1	SCREW, hex-hd cap (8)
	25 523 R1	NUT (8)
D	654 897 C93	"U" JOINT ASSY. (For Power Shift)
	25 705 R1	SCREW, hex-hd cap (8)
1	630 388 C1	SCREW, ferr-y-hd cap (4 for A)
1	120 001 H1	SCREW, hex-hd cap (8 for B)
1	25 774 R1	SCREW, hex-hd cap (8 for C)
	25 523 R1	NUT (8)
1	25 705 R1	SCREW, hex-hd cap (8 for D)
2	630 386 C91	SPIDER and BEARING ASSY. (A)
2	631 042 C91	SPIDER and BEARING ASSY. (B, C and D)
3	117 463 H1	PLATE, coupling (A)
3		PLATE, coupling (Not furnished separately) (B, C and D)
4	630 385 C91	SPIDER and BEARING ASSY. (A)
4	631 042 C91	SPIDER and BEARING ASSY. (B, C and D)

DRIVE TRAIN

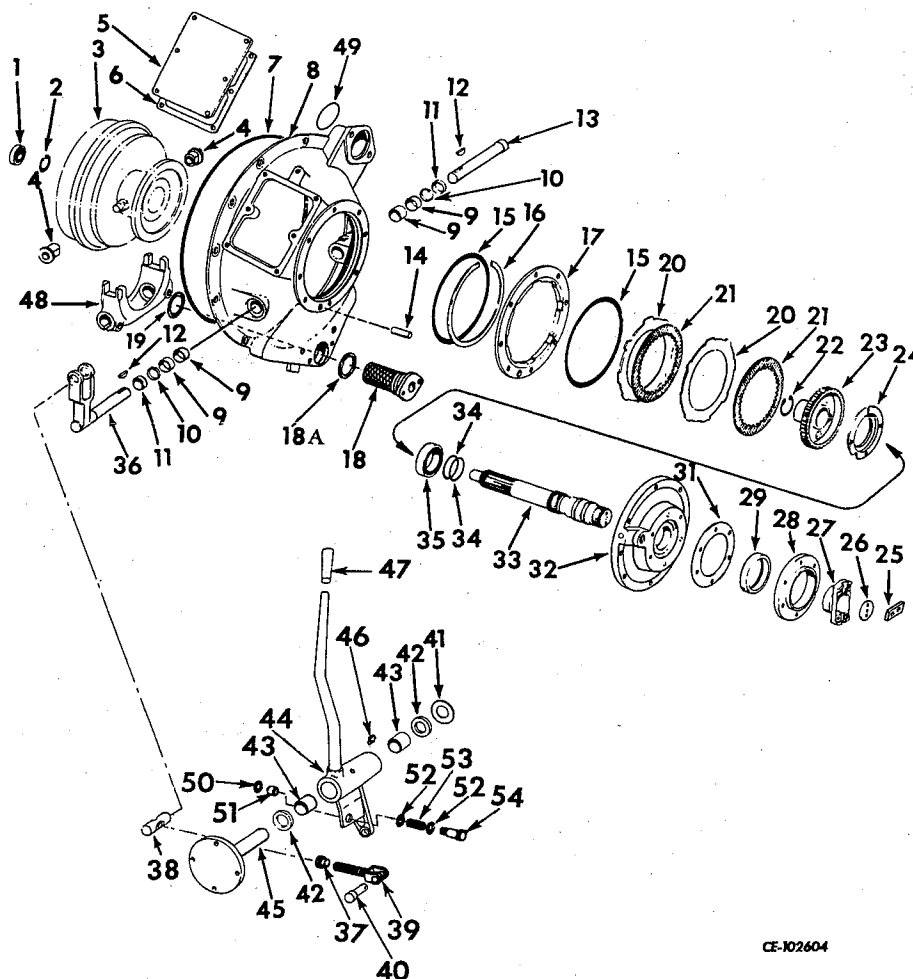
MEMORANDA

DRIVE TRAIN

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

CLUTCH AND CONTROLS

(For Manual Shift and Custom Applications)



CE-102604

1	ST 225B	BEARING, clutch shaft pilot	8	654 178 C91	HOUSING w/four BUSHING, 263 696 R1, and PIN, 19 942 R1, clutch
2	336 000 R1	RING, clutch retaining (2)		70 427 R1	SCREW, 7/16 x 1-1/4" hex-hd cap (10)
3		CLUTCH (For components, see list of parts under details of "Clutch")		115 314	WASHER, lock (12)
	27 403 R1	SCREW, hex-hd cap (12)		24 856 R1	SCREW, 7/16 x 4" hex-hd cap (2)
	232 360 R1	WASHER, clutch mounting (12)	9	263 696 R1	BUSHING, engine clutch release shaft (4)
4	42 298 DB	BUSHING, clutch release shaft shifter pin (2)	10	333 998 R91	SEAL, engine clutch release shaft (2)
5	334 524 R1	COVER, inspection hole	11	336 016 R1	RING, oil seal wear (2)
	24 849 R1	SCREW, hex-hd cap (6)	11	347 392 R1	RING, oil seal wear (2)
	115 314	WASHER, lock (6)	12	114 745	KEY, clutch fork and release shaft (2)
6	334 525 R1	GASKET, inspection hole cover	13	334 554 R12	SHAFT w/RING, 336 016 R1, RH engine clutch release
7	321 988 R1	RING, clutch housing to flywheel housing sealing	14	19 942 R1	PIN, housing locating

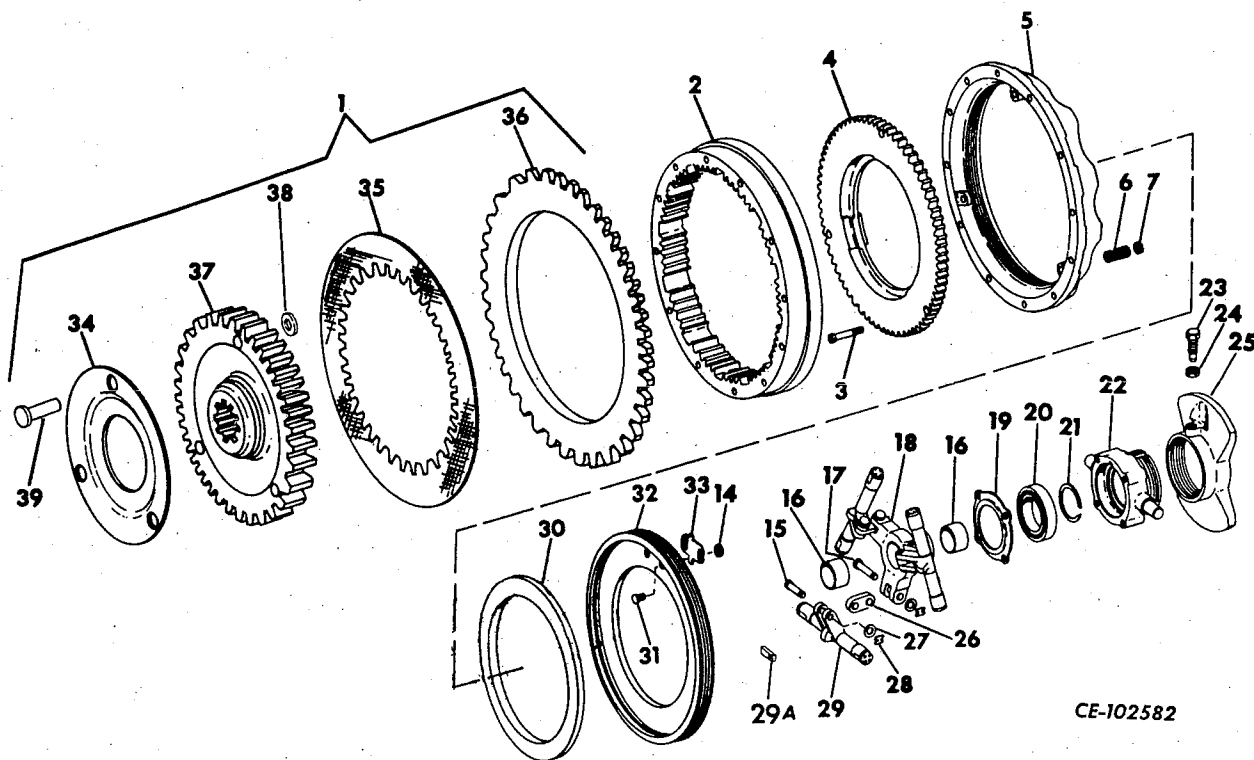
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH AND CONTROLS — Continued (For Manual Shift and Custom Applications)					
15	22 425 R1	"O" RING, retainer (2)	39	278 847 R1	LINK, engine clutch operating
16	334 527 R1	RING, clutch brake disc retaining	40	103 499 103 385	PIN, engine clutch operating link PIN, cotter
17	331 815 R1	RETAINER, outer drive ring	41	49 068 K 69 339 R1	WASHER, engine clutch hand lever RING, engine clutch hand lever snap
18	603 230 C92 70 427 R1 115 314	STRAINER, clutch sump SCREW, hex-hd cap (2) WASHER, lock (2)	42	62 360 C1	SEAL, hand lever hub (2)
18A	383 260 R1	"O" RING, 2-1/2 x 2-7/8 x 3/16" clutch sump strainer	43	95 373 R2	BUSHING, engine clutch hand lever
19	389 578 R1	"O" RING, 3-3/8 x 3-3/4 x 3/16" clutch sump (Mounted in flywheel housing)	44	628 225 C91	LEVER w/two BUSHING, 95 373 R2 and BUSHING, 318 588 R1, engine clutch hand (For Manual Shift)
20	324 452 R1	PLATE, external spline clutch brake (3)	44	628 226 C91	LEVER w/two BUSHING, 95 373 R2 and BUSHING, 318 588 R1, engine clutch hand (For Custom Application)
21	324 456 R1	PLATE, internal spline clutch brake (3)	45	603 338 C2 25 526 R1 24 862 R1 116 121	SHAFT, engine clutch hand lever NUT (4) SCREW, hex-hd cap (4) WASHER, lock (4)
22	202 307 R1	RING, clutch brake hub retaining	46	109 462	FITTING, 1/8 x 90° engine clutch hand lever hub lubrication
23	331 814 R1	HUB, clutch brake	47	619 405 C1	HANDLE, engine clutch hand lever
24	334 534 R1 138 241 114 606	RETAINER, clutch shaft rear bearing SCREW, soc-hd mach (4) WASHER, external tooth lock (4)	48	260 919 R4 24 873 R1	FORK, clutch release SCREW, hex-hd cap (2)
25	334 535 R1 24 848 R1	PLATE, bolt lock SCREW, hex-hd cap (2)	49	370 944 R1	"O" RING, 1-3/8 x 1-1/2 x 1/16" pump drive seal
26	345 605 R1	PLATE, clutch shaft end	50	142 127 R1	WASHER, flat
27	658 397 C1	YOKE, clutch drive	51	318 588 R1	BUSHING, hand lever
28	611 247 C1 24 849 R1 115 314	RETAINER, clutch shaft rear seal SCREW, hex-hd cap (6) WASHER, lock (6)	52	607 895 R1	WASHER, flat (2)
29	610 712 C92	SEAL, clutch shaft rear	53	238 626 R1	SPRING, compression
31	334 529 R1	GASKET, clutch rear seal retainer	54	654 199 C1 125 233 137 175	BOLT, diverter valve actuating NUT, NF hex-slt PIN, cotter
32	331 813 R1 203 762 R1 444 660 115 314	COVER, clutch housing end SCREW, hex-hd cap (8) PLUG, 3/8"NPT WASHER, lock (8)			
33	331 811 R3 444 654	SHAFT, clutch PLUG, pipe			
34	336 001 R1	RING, clutch shaft sealing (2)			
35	205 368 R91	BEARING, clutch shaft rear			
36	611 454 C91	SHAFT w/RING, 336 016 R1, LH engine clutch release			
37	277 549 R1	NUT, engine clutch operating link lock			
38	604 174 C1 109 462	PIN, engine clutch release shaft FITTING, engine clutch release shaft (2)			

DRIVE TRAIN

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

CLUTCH
(Rockford)
(For Manual Shift and Custom Applications)



CE-102582

	702 223 C91	RING ASSY., clutch cover and drive (Consists of -	19	31 242 DA 442 695	PLATE, bearing carrier SCREW, hex-hd cap w/ lock WASHER (4)
1	610 215 C91	DISC ASSY., pack and center (*)	20	590 954 R91	BEARING, ball
2	347 834 R1 179 820 103 320	RING, drive SCREW, hex-hd cap (3) WASHER, lock (pin) (3)	21	29 780 D	RING, external snap
3	324 964 R1	SCREW, fil-hd cap (3)	22	347 831 R1	CARRIER, bearing
4	324 961 R1 261 106 R1 114 604	PLATE, pressure BOLT, fil-hd (6) WASHER (6)	23	347 835 R1	SCREW, camblock adjusting
5	347 828 R1	PLATE, back	24	114 496	NUT, jam
6	347 830 R1	SPRING, return (3)	25	347 825 R91	DISC w/NUT, 114 496 and SCREW, 347 835 R1, brake
7	261 069 R1	NUT, lock (3)	26	43 207 D	LINK, connecting (3)
14	114 494	NUT, NF (2)	27	615 029 R1	WASHER, plain (6)
15	319 620 R1	PIN, connecting link (Short) (3)	28	267 689 R1	WASHER, "X" (Connecting link pin) (6)
16	26 039 DA	BUSHING, release sleeve (2)	29	702 324 C1	PACKAGE, camshaft
17	319 619 R1	PIN, connecting link (Long) (3)			
18	347 824 R91	SLEEVE w/two BUSHING, 26 039 DA, release			

(*) - Not furnished as part of RING ASSY.,
702 223 C91.

DRIVE TRAIN

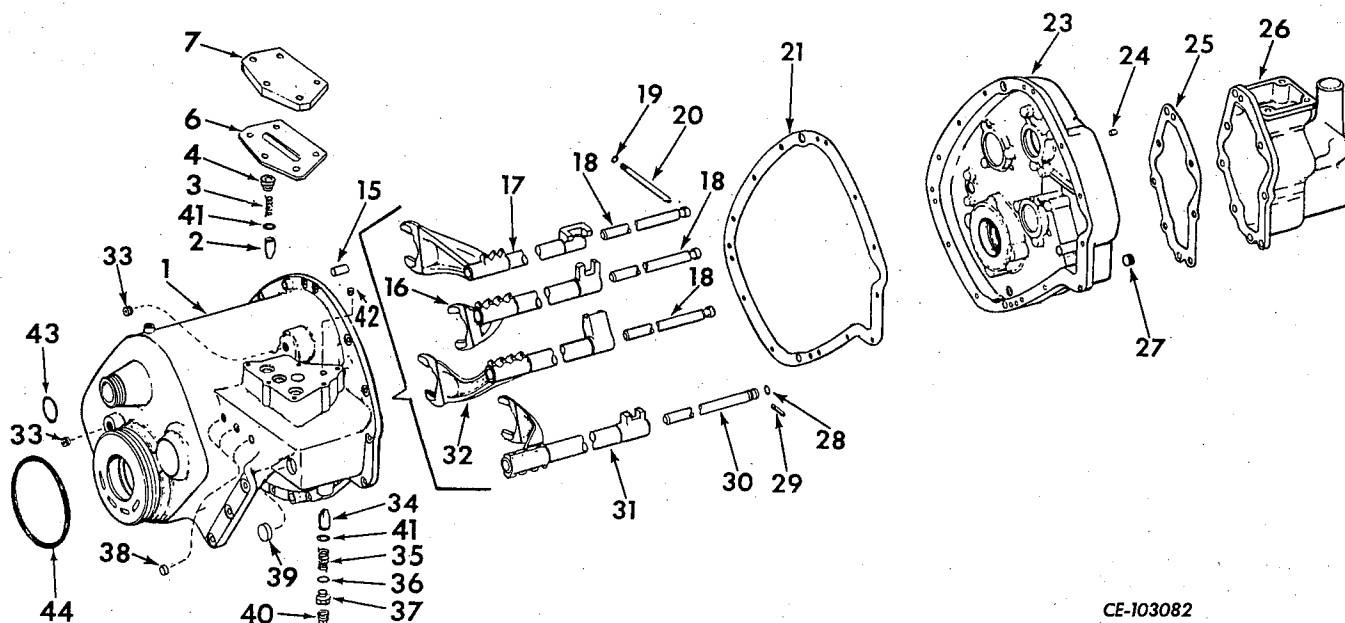
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH — Continued (Rockford) (For Manual Shift and Custom Applications)					
29A	267 665 R91	CAMBLOCK (Set of 6) (Consists of six CAMBLOCKS, six SCREW, 261 106 R1 and six LOCK- WASHER, 114 604)			
	261 106 R1	SCREW, special (6)			
	114 604	WASHER, ext-tooth lock (6)			
30	31 238 DA	PLATE, adjusting			
31	610 204 C1	SCREW, adjustment lock (2)			
	610 205 C1	WASHER, plain (2)			
32	55 371 DA	RING, adjusting			
33	610 203 C1	LOCK, adjustment			
34	610 217 C1	COVER, hub (*)			
35	610 220 C91	DISC w/FACING, inner (*) (3)			
36	610 221 C1	DISC, outer (*) (2)			
37	610 216 C1	CENTER, splined (*)			
38	610 219 C1	WASHER (*) (3)			
39	610 218 C1	RIVET (*) (3)			

(*) - Not furnished as part of RING ASSY.,
702 223 C91.

DRIVE TRAIN

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

TRANSMISSION CASE, COVER AND SHIFTING FORKS (For Manual Shift and Custom Applications)



CE-103082

	654 348 C91	TRANSMISSION ASSY. (For Manual Shift) (Consists of all parts listed under "Transmission for Manual Shift and Custom Applications" except as noted -	15	125 860	DOWEL, 3/4 x 1-1/2" (2)
			16	327 856 R11	FORK, third and fourth gear shifter
			17	327 859 R11	FORK, fifth gear shifter
	654 349 C91	TRANSMISSION ASSY. (For Custom Applications) (Consists of all parts listed under "Transmission for Manual Shift and Custom Applications" except as noted -	18	327 862 R1	SHAFT, gear shifter upper (3)
	27 432 R1	SCREW, hex-hd cap (6)	19	355 967 R1	"O" RING, gear shifter upper shaft lock pin (3/8 x 1/2 x 1/16")
	25 538 R1	WASHER, hardened (6)	20	327 863 R1	PIN, gear shifter upper shaft lock
1	334 847 R31	CASE w/two PLUG, 9 409 949, and four PLUG, 373 553 R1, transmission		25 496 R1	SCREW, hex-hd cap
2	654 200 C1	POPPET, first thru fifth gear shifter (3)		PO 10 532	WASHER, flat
3	269 908 R1	SPRING, first thru fifth gear shifter poppet (3)		115 093	WASHER, lock
4	327 874 R1	PLUG, first thru fifth gear poppet spring retainer (3)	21	334 106 R2	GASKET, transmission cover
6	654 205 C1	GASKET, gear shift lock manifold	23	603 164 C11	COVER w/two DOWEL, 125 860, two DOWEL, 141 279 and PLUG, 270 835 R1, transmission
7	654 204 C1	MANIFOLD, gear shift lock		25 524 R1	NUT (9)
	25 497 R1	SCREW, hex-hd cap (5)		24 851 R1	SCREW, 7/16 x 1-3/4" hex-hd cap (7)
	142 127 R1	WASHER, hardened (5)		115 314	WASHER, lock (9)
				25 262 R1	SCREW, 7/16 x 3-3/4" hex-hd cap (2)
			24	141 279	DOWEL, 1/2 x 3/4" (2)

DRIVE TRAIN

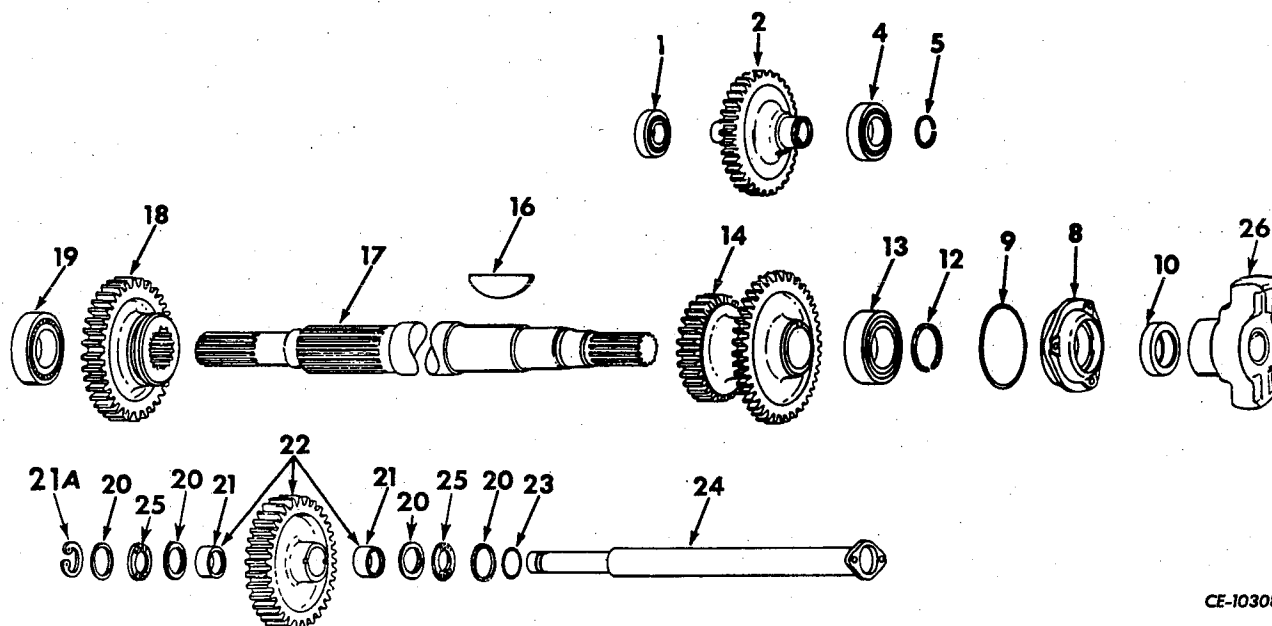
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CASE, COVER AND SHIFTING FORKS (For Manual Shift and Custom Applications) - Continued					
25	334 119 R1	GASKET, gear shifter housing			
26	327 851 R1	HOUSING, gear shifter			
	25 524 R1	NUT (4)			
	70 427 R1	SCREW, 7/16 x 1-1/4" hex-hd cap (3)			
	24 857 R1	SCREW, 7/16 x 4-1/2" hex-hd cap (4)			
	115 314	WASHER, lock (7)			
27	270 835 R1	PLUG, csk pipe			
28	350 667 R1	"O" RING, gear shifter lower shaft (11/16 x 7/8 x 3/32")			
29	19 885 R1	PIN, 1/4 x 1-3/8" spiral			
30	327 866 R2	SHAFT, gear shifter lower			
31	327 864 R11	FORK, forward and reverse gear shifter			
32	327 853 R11	FORK, first and second gear shifter			
33	9 409 949	PLUG, sq-soc pipe (2)			
34	654 200 C1	POPPET, forward and reverse gear shifter			
35	269 908 R1	SPRING, forward and reverse gear shifter poppet			
36	120 428	GASKET, forward and reverse gear shifter poppet plug			
37	654 201 C1	PLUG, forward and reverse gear shifter poppet			
	142 619 H	WASHER, 13/32" flat			
38	373 553 R1	PLUG, transmission case cup (3)			
39	373 553 R1	PLUG, transmission case cup			
40	23 598 R1	BUSHING, poppet plug reducer			
41	574 069 R1	"O" RING, poppet (3/4 x 7/8 x 1/16") (4)			
42	444 655	PLUG, lock plate port			
43	654 746 C1	"O" RING, transmission case upper (2-3/8 x 2-3/4 x 3/16") (*)			
44	654 748 C1	"O" RING, transmission case lower (7-3/4 x 8-1/4 x 1/4") (*)			

(*) - Not part of Transmission Assembly.

DRIVE TRAIN

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

TRANSMISSION
REVERSE IDLER GEAR, INPUT SHAFT
AND FIFTH SPEED IDLER SHAFT
(For Manual and Custom Applications)



CE-103081

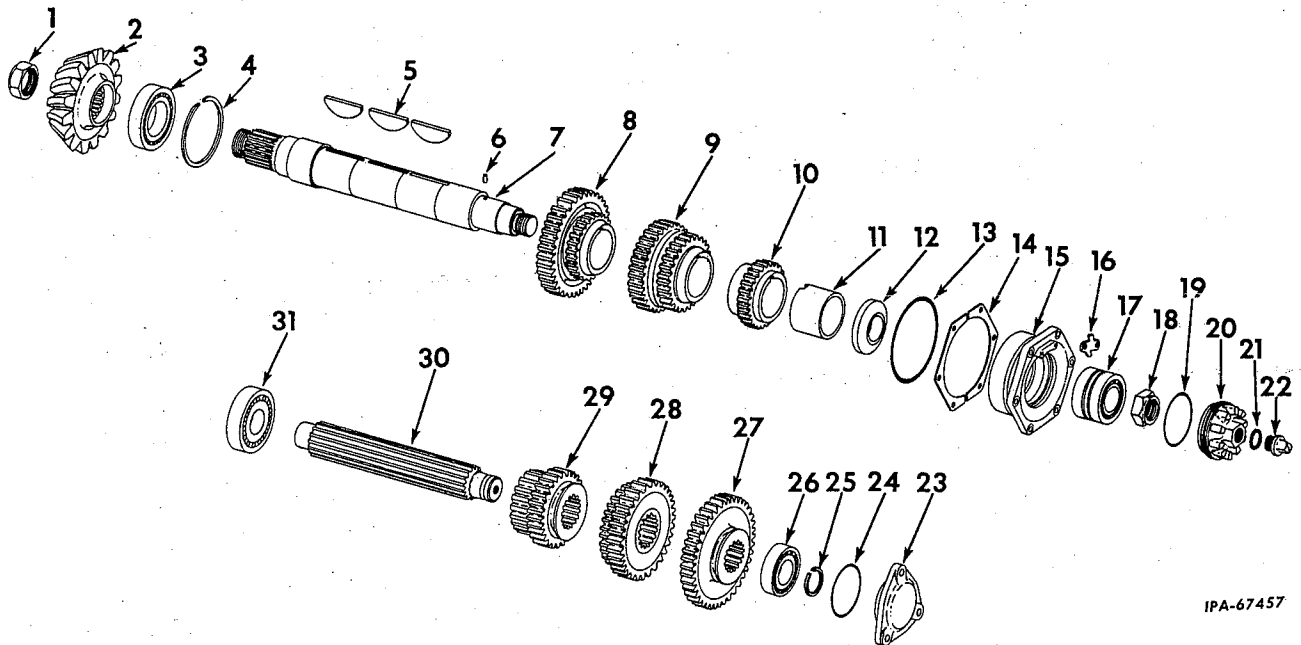
1	606 161 C91	BEARING, reverse idler rear	19	321 966 R91	BEARING, transmission input rear
2	616 460 C1	GEAR, reverse idler	20	864 982 R1	RACE, 5th speed idler gear thrust bearing (4)
4	ST 205 A	BEARING, reverse idler front	21	308 674 R91	BEARING (2)
5	359 141 R1	RING, reverse idler front bearing snap	21A	631 530 R1	RING, 5th speed idler shaft retainer
8	658 105 C1 610 081 C1 115 314	HOUSING, input shaft oil seal BOLT (3) WASHER, lock (3)	22	603 160 C11	GEAR, 5th speed idler
9	610 411 C1	"O" RING, input shaft oil seal housing (3-1/2 x 3-3/4 x 1/8")	23	252 483 R1	"O" RING, 5th speed idler shaft (1-1/4 x 1-1/2 x 1/8")
10	619 586 C91	SEAL and ROTOR, transmission input shaft	24	654 242 C1 70 427 R1 115 314	SHAFT, 5th speed idler SCREW, hex-hd cap (2) WASHER, lock (2)
12	358 236 R1	RING, transmission input shaft bearing snap	25	368 372 R91	BEARING, 5th speed idler gear thrust (2)
13	ST 278	BEARING, transmission input shaft front	26	658 103 C1	YOKE, transmission drive (*)
14	603 162 C1	GEAR, forward and reverse driving			
16	12 484 R1	KEY, forward and reverse driving gear (Woodruff No. 30)			
17	658 106 C1	SHAFT, transmission input			
18	603 161 C1	GEAR, fifth speed driving			

(*) - Not part of Transmission Assy.

DRIVE TRAIN

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

TRANSMISSION BEVEL PINION SHAFT AND SPLINE SHAFT (For Manual Shift and Custom Applications)



IPA-67457

1	19 829 R1	NUT, bevel pinion retainer	13	610 415 C1	"O" RING, bevel pinion shaft bearing cage (4-7/8 x 5-3/8 x 1/4")
2		PINION, bevel (*)	14	334 686 R1	SHIM, bevel pinion shaft (.015") (x)
3	705 320 C91	BEARING, pinion rear	14	334 688 R1	SHIM, bevel pinion shaft (.004") (x)
4	324 049 R1	RING, rear bearing bevel pinion retainer	14	334 687 R1	SHIM, bevel pinion shaft (.007") (x)
5	12 484 R1	KEY, driven gear (3)	15	334 685 R2	CAGE, pinion shaft bearing
6	141 127	PIN, 5/32 x 5/16" dowel		24 850 R1	SCREW, hex-hd cap (6)
7	327 839 R1	SHAFT, bevel pinion		115 314	WASHER, lock (6)
8	654 233 C1	GEAR, first and fifth speed driven (43-26T) (+)	16	325 007 R1	LOCK, bevel pinion shaft front bearing retainer
8	654 140 C1	GEAR, first and fifth speed driven (39-26T) (%)		24 839 R1	SCREW, hex-hd cap (2)
9	603 155 C1	GEAR, second and third speed driven (34-30T) (%)		115 093	WASHER, lock (2)
9	654 232 C1	GEAR, second and third speed driven (38-34T) (+)	17	321 969 R91	BEARING, bevel pinion shaft front
10	603 156 C1	GEAR, fourth speed driven (27T) (%)	18	19 499 R1	NUT, bevel pinion shaft front
10	603 227 C1	GEAR, fourth speed driven (29T) (+)	19	285 723 R1	"O" RING, bevel pinion shaft front bearing retainer (3-1/8 x 3-3/8 x 1/8")
11	325 003 R1	SPACER, bevel pinion shaft rear	20	325 005 R1	RETAINER, bevel pinion shaft front bearing
12	325 004 R1	SPACER, bevel pinion shaft front			

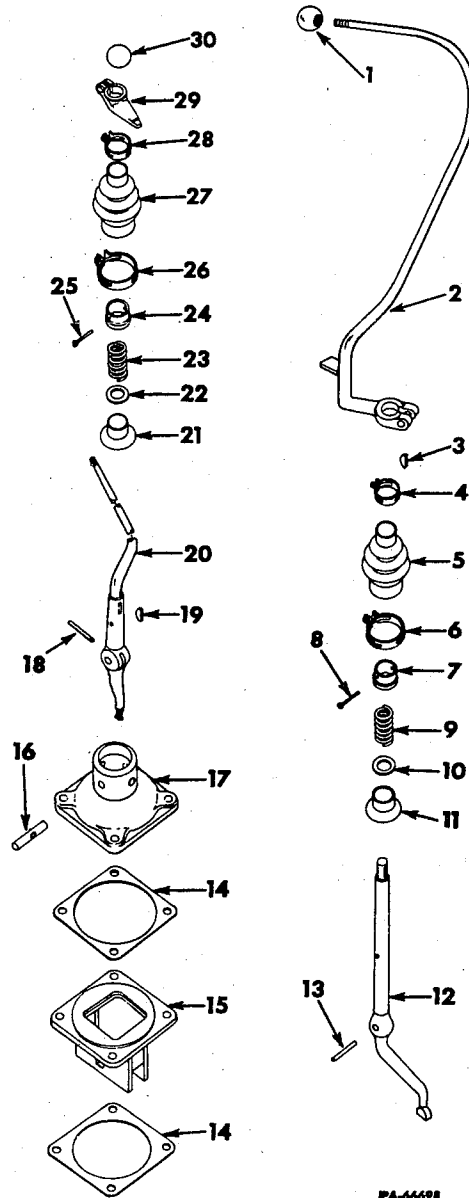
(+) - For Manual Shift.
 (%) - For Custom Applications.
 (*) - Listed and illustrated with "Steering Planetary Drive."
 (x) - As Required.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION		
BEVEL PINION SHAFT AND SPLINE SHAFT - Continued		
(For Manual Shift and Custom Applications) - Continued		

21	269 910 R1	GASKET, bevel pinion shaft front bearing retainer plug
22	269 909 R2	PLUG, bevel pinion shaft front bearing retainer
23	603 206 C1 70 427 R1 115 314	CAP, spline shaft front bearing SCREW, hex-hd cap (3) WASHER, lock (3)
24	259 246 R1	"O" RING, spline shaft front bearing cap (3-7/8 x 4-1/8 x 1/8")
25	359 894 R1	RING, spline shaft front bearing snap
26	ST 203	BEARING, spline shaft front
27	603 159 C1	GEAR, forward and reverse driven (45T)
28	603 229 C1	GEAR, third and fourth speed driving (38-32T) (+)
28	603 158 C1	GEAR, third and fourth speed driving (37-40T) (%)
29	654 231 C1	GEAR, first and second speed driving (27-23T) (+)
29	654 139 C1	GEAR, first and second speed driving (28-33T) (%)
30	603 205 C1	SHAFT, spline
31	631 634 C91	BEARING, spline shaft rear

REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS		
(For Manual Shift and Custom Applications)		
(Not Part of Transmission Assembly)		



PA-66698

1	264 055 R2	BALL, forward and reverse shift lever.
2	650 377 C1	LEVER, forward and reverse (For Custom Applications)
2	651 359 C1	LEVER, forward and reverse (For Manual Shift)
	25 526 R1	NUT
	24 865 R1	SCREW, hex-hd cap
	116 121	WASHER, lock

(+) - For Manual Shift.
(%) - For Custom Application.

DRIVE TRAIN

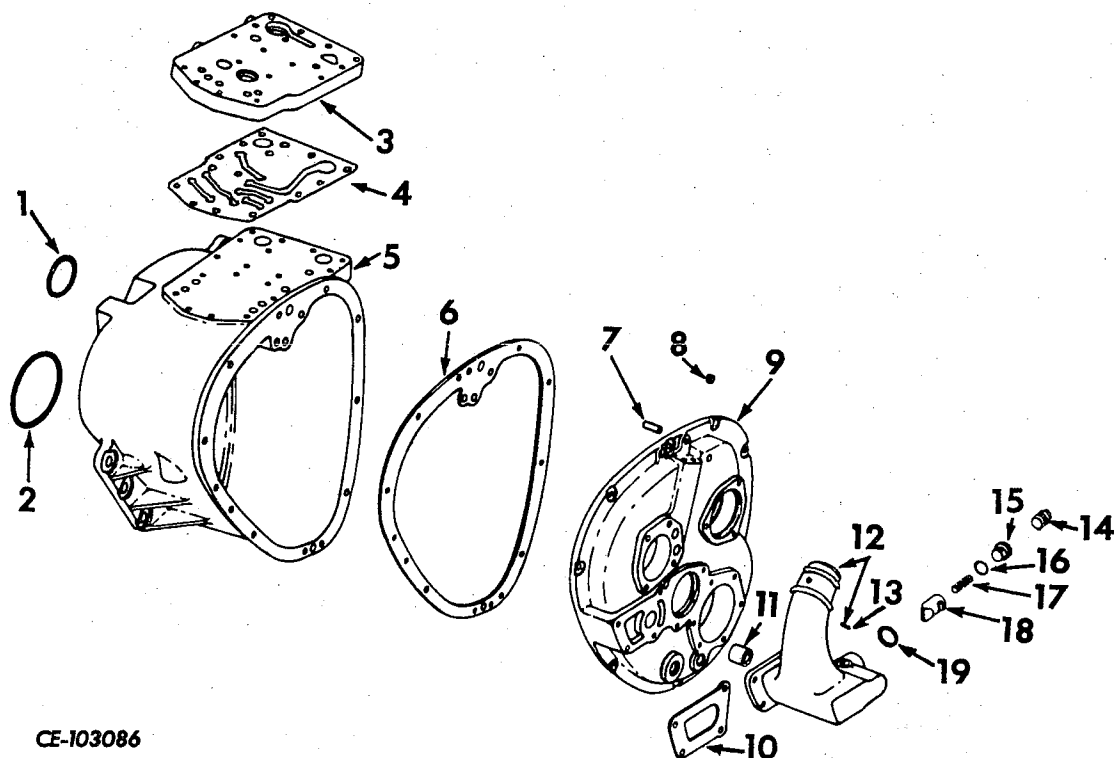
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS — Continued (For Manual Shift and Custom Applications) (Not Part of Transmission Assembly)					
3	124 552	KEY (Woodruff No. 1)	28	252 977 R91	CLAMP, shifter lever boot upper
4	252 977 R91	CLAMP, forward and reverse shift lever upper	29	327 842 R1	LEVER, fifth and reverse gear shift lock out
5	325 029 R1	BOOT, forward and reverse shift lever		24 841 R1	SCREW, hex-hd cap
6	274 088 R91	CLAMP, forward and reverse shift lever lower		115 093	WASHER, lock
7	252 852 R1	STOP, forward and reverse lever swivel cap spring	30	264 055 R2	BALL, shifter lever
8	104 076	RIVET, rd-hd			
9	252 844 R1	SPRING, forward and reverse lever swivel cap			
10	256 141 R1	WASHER, forward and reverse lever swivel cap spring			
11	325 028 R1	CAP, forward and reverse lever swivel			
12	327 846 R1	LEVER, forward and reverse gear shift pivot			
13	306 025 R2	SHAFT, forward and reverse gear shift lever			
14	327 872 R1	GASKET, gear selector (2)			
15	327 868 R91	GATE, gear selector			
16	306 026 R1	SHAFT, shifter lever large			
17	327 873 R1	TOWER, gear selector			
	140 483 H	SCREW, hex-hd cap (4)			
	115 093	WASHER, lock (4)			
18	306 025 R2	SHAFT, shifter lever small			
19	124 549	KEY, (Woodruff No. 9)			
20	650 376 C1	LEVER, gear shift hand (For Custom Applications)			
20	612 576 C1	LEVER, gear shift hand (For Manual Shift)			
21	325 028 R1	CAP, shifter swivel			
22	256 141 R1	WASHER, swivel cap spring			
23	252 844 R1	SPRING, swivel cap			
24	252 852 R1	STOP, swivel cap spring			
25	104 076	RIVET, rd-hd			
26	274 088 R91	CLAMP, shifter lever boot lower			
27	325 029 R1	BOOT, shifter lever			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION

TRANSMISSION CASE AND COVER AND RELATED PARTS (For Power Shift)

REF. NO.	PART NUMBER	DESCRIPTION



CE-103086

628 255 C91	TRANSMISSION ASSY. (Order TRANSMISSION, 658 065 C91 and SHAFT, 23 092 R1) 1460 and below	5	334 848 R21	CASE w/BUSHING, 298 401 R1, four PLUG, 444 873, and two PLUG, 9 409 949, transmission PLUG, 1/2" hex-soc-hd pipe (4) PLUG, 3/4"NPT (2)
658 065 C91	TRANSMISSION ASSY. 1461 and up		444 873	
27 432 R1	SCREW, 3/4 hex-hd cap (6) hex-hd cap (6)	6	325 021 R2	GASKET, transmission cover
140 483 H	SCREW, 3/8" hex-hd cap (2)	7	125 860	DOWEL, 3/4 x 1-1/2" (2)
115 093	WASHER, lock (2)	8	444 873	PLUG, hex-soc-hd pipe (2)
25 538 R1	WASHER, hardened (6) (Consists of all parts listed under "Transmission (For Power Shift)" except as noted -	9	331 778 R11	COVER ASSY., transmission (Composed of -
1	654 746 C1			1 BUSHING 298 401 R1
	"O" RING, transmission case upper (2-3/8 x 2-3/4 x 3/16") (*)			§ 1 COVER
2	654 748 C1			2 DOWEL 125 860
	"O" RING, transmission case lower (7-3/4 x 8-1/4 x 1/4") (*)			2 PLUG 444 873
				1 PLUG 270 835 R1)
3	616 301 C1			25 524 R1 NUT (12)
	SPACER, main regulator and range selector valve			24 851 R1 SCREW, hex-hd cap (10)
	632 287 C1 BOLT, spacer (8)			115 314 WASHER, lock (12)
	116 120 WASHER, lock (8)			270 835 R1 PLUG, countersunk pipe
4	616 302 C1	10	325 022 R1	GASKET, high-low shifter housing
	GASKET, valve spacer			

(*) - Not part of Transmission Assy.
§ - Not Furnished Separately.

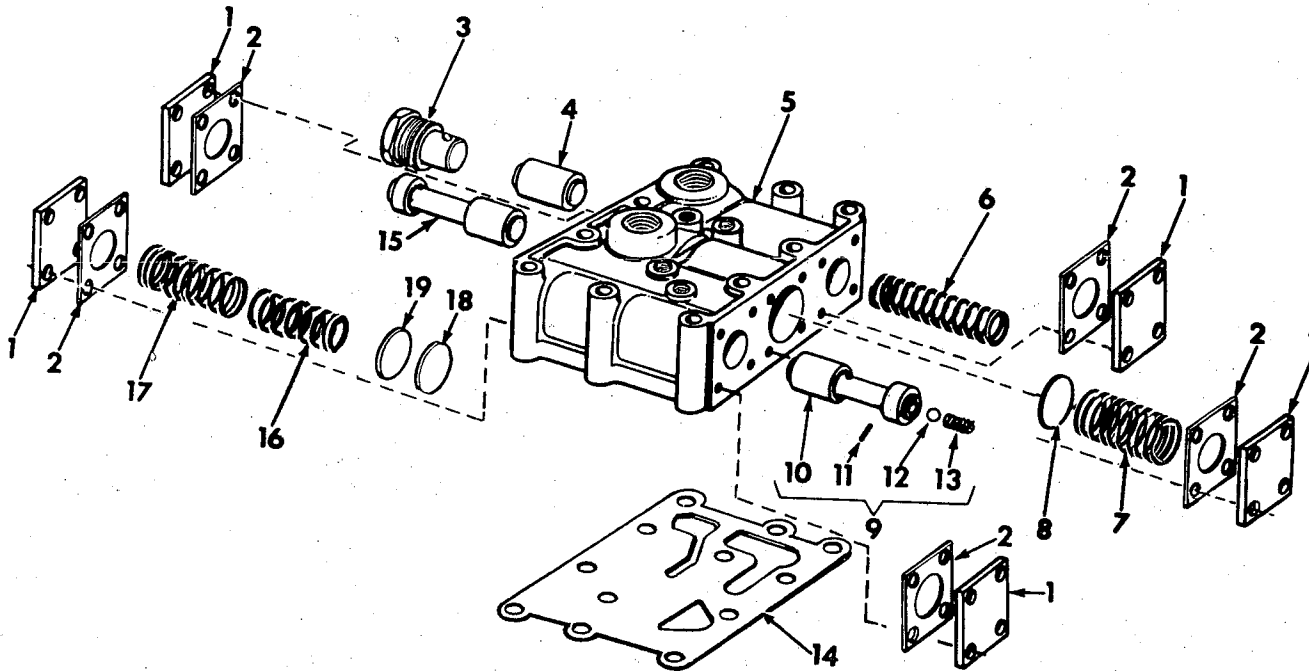
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CASE AND COVER AND RELATED PARTS - Continued (For Power Shift) - Continued			610 415 C1		RING, bevel pinion shaft bearing cage sealing
			324 022 R1		RING, needle bearing retainer and sealing
11	298 401 R1	BUSHING, high-low shifter (2)	350 684 R1		RING, range selector valve shaft sealing
12	628 260 C91	HOUSING ASSY. w/PIN, 141 152, high-low shifter 1460 and below	324 223 R2		RING, accelerating piston sealing (Forward clutch pack) (2)
12	629 698 C91	HOUSING ASSY. w/PIN, 141 152, High-low shifter 1461 and up	324 223 R2		RING, accelerating piston sealing (Reverse clutch pack) (2)
	70 427 R1	SCREW, 1-1/4" long hex-hd cap (2)	627 969 C1		RING, piston and piston housing sealing (Forward clutch pack) (4)
	24 857 R1	SCREW, 4-1/4" long hex-hd cap (2)	627 969 C1		RING, piston and piston housing sealing (Reverse clutch pack) (4)
	115 314	WASHER, lock (2)	324 226 R1		RING, clutch piston sealing (Forward clutch pack)
13	141 152	PIN, 3/16 x 9/16" dowel	324 226 R1		RING, clutch piston sealing (Reverse clutch pack)
14	23 598 R1	BUSHING, reducer	324 227 R1		RING, piston housing sealing (For- ward clutch pack)
15	657 911 C1	PLUG, sq-soc	324 227 R1		RING, piston housing sealing (Reverse clutch pack)
16	142 756	GASKET, annular	325 059 R1		RING, forward clutch shaft rear sealing (4)
17	664 299 R1	SPRING, poppet	325 059 R2		RING, reverse clutch shaft sealing (4)
18	657 910 C1	POPPET, high-low shifter	347 641 R1		RING, range selector valve wiper sealing
19	253 070 R1	"O" RING, poppet sealing (7/8 x 1-1/8 x 1/8")	350 667 R1		RING, reverse clutch shaft hydraulic manifold sealing (2)
	604 741 C92	PACKAGE, transmission gasket field service (Consists of the following GASKETS and RINGS -	654 746 C1		RING, transmission case upper sealing
	142 756	GASKET, annular poppet plug (2)	355 966 R1		RING, transmission selector valve manifold sealing (10)
	269 910 R1	GASKET, bevel pinion shaft front bearing retainer plug	379 181 R1		RING, range selector valve sealing (5)
	321 992 R1	GASKET, valve cover (5)	574 069 R1		RING, tachometer drive plug sealing
	324 019 R1	GASKET, range selector valve	574 069 R1		RING, range selector valve sealing)
	324 021 R1	GASKET, valve plate	345 836 R1		SHIM, reverse clutch shaft (Medium) (3)
	325 021 R2	GASKET, transmission cover	345 837 R1		SHIM, reverse clutch shaft (Heavy) (3)
	325 022 R1	GASKET, high-low shifter housing	615 851 C1		SEAL, range selector valve shaft
	325 040 R2	GASKET, main regulator valve	615 850 C1		WASHER, range selector valve
	325 041 R1	GASKET, hydraulic valve spacer	369 908 R1		RING, (4)
	616 302 C1	GASKET, hydraulic valve spacer			
	285 723 R1	RING, spline shaft bearing cap sealing			
	285 724 R1	RING, forward clutch shaft hydraulic manifold large sealing			
	285 724 R1	RING, reverse clutch shaft hydraulic manifold sealing			
	290 987 R1	RING, rotor sealing			
	654 748 C1	RING, transmission case lower sealing			
	610 411 C1	RING, forward clutch shaft oil seal housing sealing			
	307 915 R1	RING, tachometer cable adapter sealing			

DRIVE TRAIN

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

TRANSMISSION MAIN REGULATOR VALVE (For Power Shift) (Rockford)



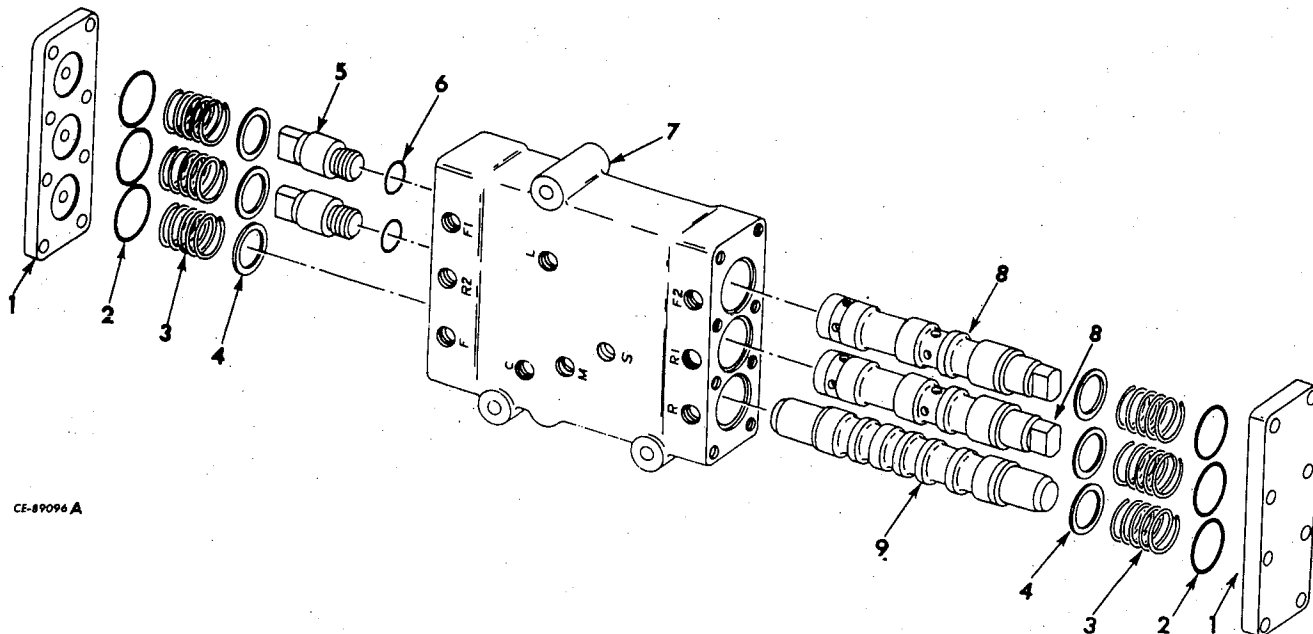
1PA-66252J

610 702 C92	VALVE ASSY., main regulator	10	VALVE, main spool (Not furnished separately)
24 846 R1	SCREW, 3/8 x 4-1/2" hex-hd cap (10)		
115 093	WASHER, lock (11)	11	20 139 R1 PIN, main spool valve
25 684 R1	SCREW, 3/8 x 5-1/2" hex-hd cap	12	346 509 R1 BALL, main spool valve
279 087 R1	SPACER, hose clamp	13	347 243 R1 SPRING, main spool valve
103 341	WASHER, flat		
	(Consists of the following parts -		
1	321 991 R1 COVER, valve (5)	14	325 040 R2 GASKET, main regulator valve body (Not furnished as part of main regulator valve)
	217 233 SCREW, hex-hd cap w/lock		
	WASHER (20)		
2	321 992 R1 GASKET, valve cover (5)	15	186 451 H2 VALVE, by-pass
3	149 423 H2 PLUG	16	324 299 R1 SPRING, main pressure regulator (Inner)
4	321 994 R1 VALVE, lubricating pressure regulator	17	606 512 C1 SPRING, main regulator
5	BODY, main regulator valve (Not furnished separately)	18	606 506 C1 WASHER, spring (x)
6	336 103 R1 SPRING, lubricating valve	19	321 997 R1 WASHER, spring (x)
7	610 703 C1 SPRING, by-pass valve		444 613 PLUG, sq-hd pipe (3)
8	321 997 R1 WASHER		
9	338 651 R94 VALVE ASSEMBLY, main spool		(x) - As Required.

DRIVE TRAIN

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

TRANSMISSION RANGE SELECTOR VALVE (For Power Shift)

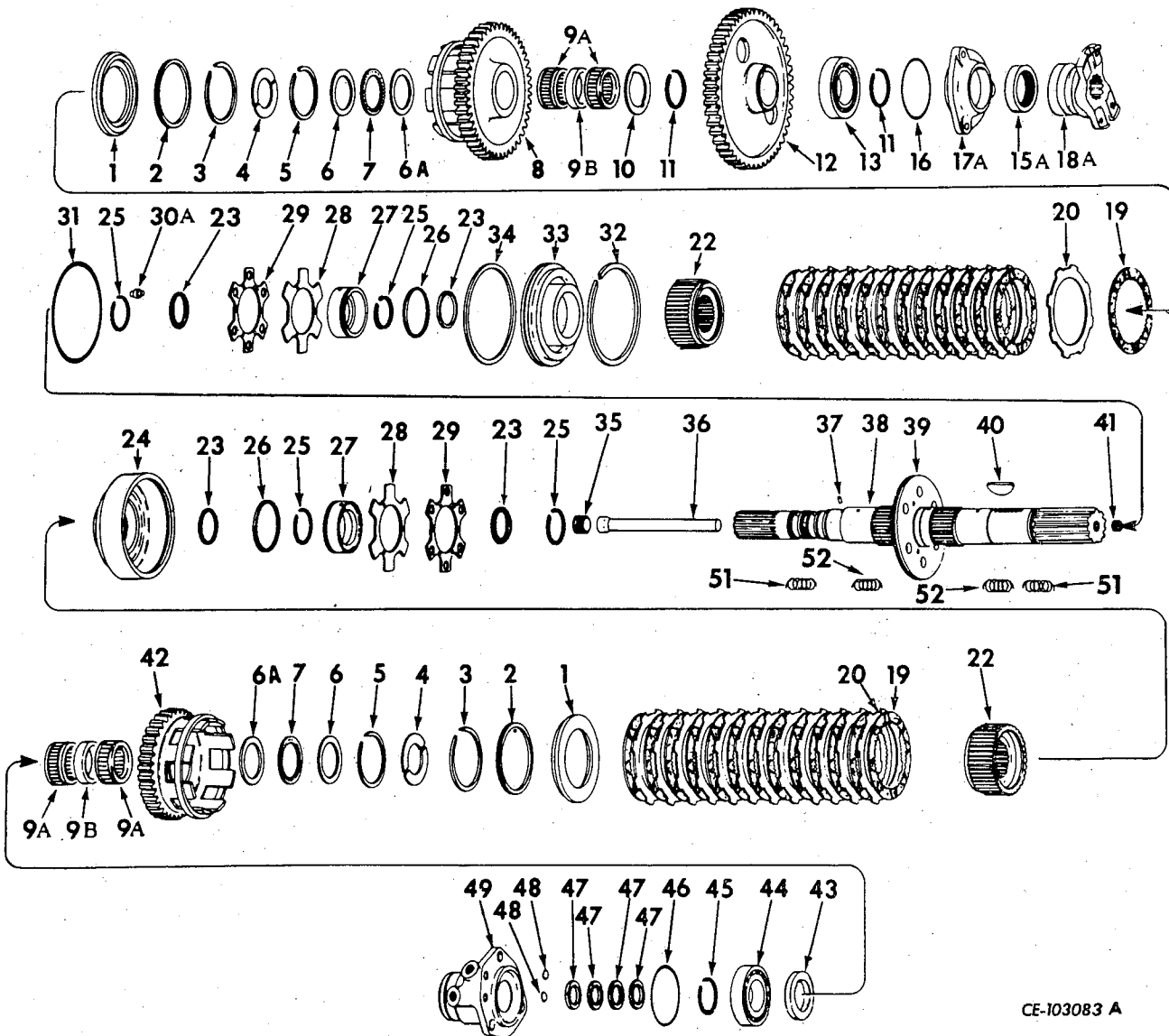


700 021 C93	VALVE ASSY., range selector	3	617 240 C2	SPRING, spool centering (6)
277 232 R1	SCREW, hex-hd cap (3)	4	617 241 C1	SPACER, spring (6)
115 093	WASHER, lock (3)	5	617 239 C1	PLUG, spool (2)
379 181 R1	"O" RING, 5/8 x 3/4 x 1/16" (Valve mounting) (5)	6	369 751 R1	"O" RING, .351 x .495 x .072" (2)
574 069 R1	"O" RING, 3/4 x 7/8 x 1/16" (Valve mounting)	7		BODY, valve (Not furnished separately)
444 614	PLUG, 1/8"NPTF hex-soc-pipe (In "S" port in valve top)	8		SPOOL, forward and reverse (Not furnished separately) (2)
444 652	PLUG, 1/8"NPTF sq-soc-pipe (In F, C and R ports in valve top) (3)	9		SPOOL, signal (Not furnished separately)
or				
444 614	PLUG, 1/8"NPTF hex-hd-pipe (In F, C and R ports in valve top) (3)			
	(Consists of the following parts -			
1	617 242 C1 COVER, body end (2)			
	25 492 R1 SCREW, hex-hd cap (16)			
	116 120 WASHER, lock (16)			
2	370 943 R1 "O" RING, 1-1/8 x 1-1/4 x 1/16" (6)			

DRIVE TRAIN

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

TRANSMISSION FORWARD CLUTCH PACKS (For Power Shift)



CE-103083 A

	625 800 C94	PACK ASSY., final clutch (Composed of all parts except as noted -	4	324 231 R1	RETAINER, clutch hub (4)
			5	324 232 R1	RING, clutch hub snap (Internal) (2)
1	627 365 C1	PLATE, clutch backing (2)	6	584 269 R1	SPACER, washer (2)
2	627 367 C1	RING, snap (Internal) (2)	6A	610 769 C1	WASHER (2)
3	627 366 C1	RING, snap (External) (2)	7	584 268 R91	BEARING, thrust washer (2)
			8	610 767 C92	GEAR, clutch

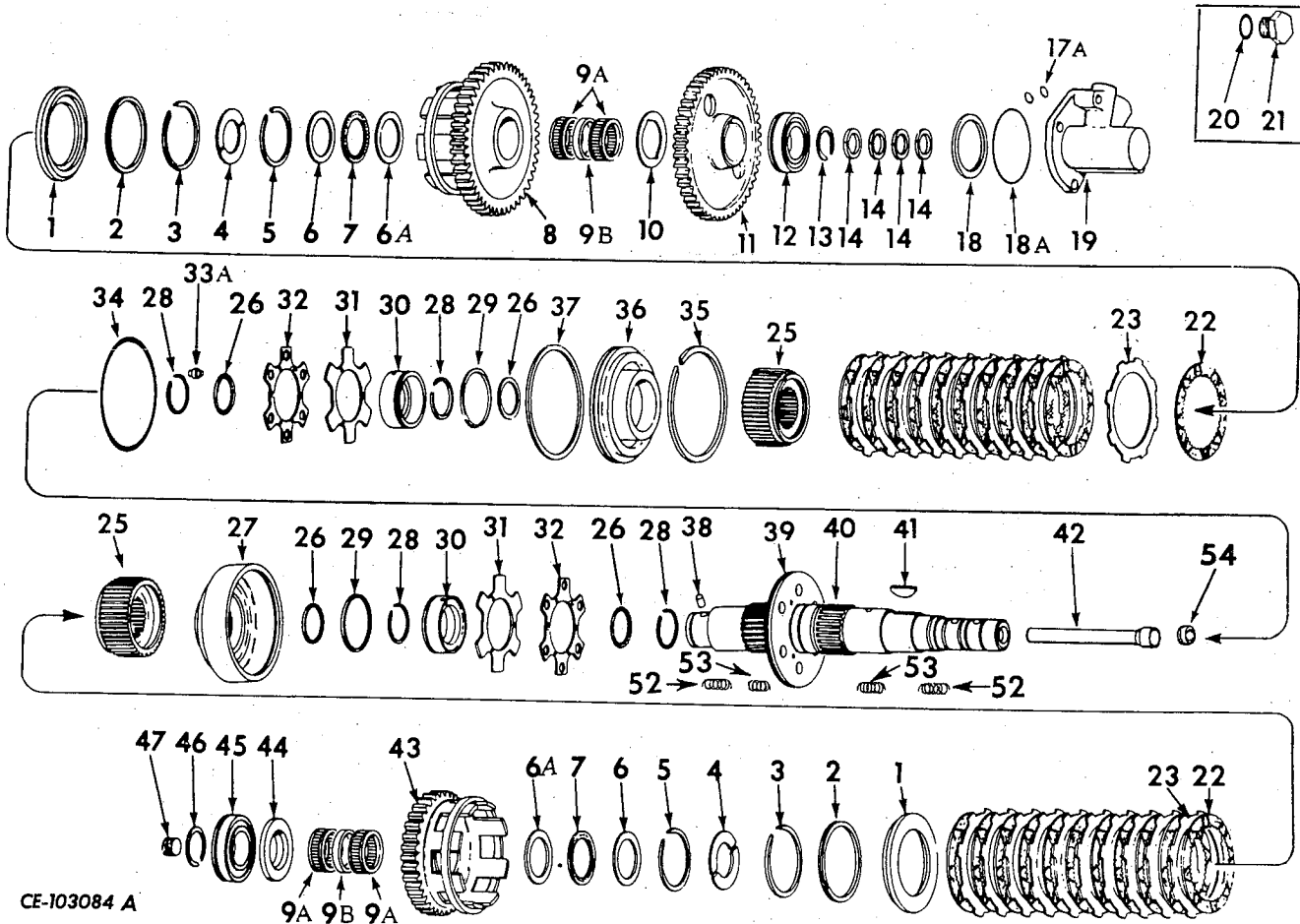
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION FORWARD CLUTCH PACK - Continued (For Power Shift)					
			33	627 668 C2	PISTON, clutch
9A	610 772 C91	BEARING, roller (4)	34	324 226 R1	RING, seal
9B	610 770 C1	SPACER, bearing (2)	35	347 554 R1	PLUG, pipe
10	325 012 R1	WASHER, second speed gear thrust (+)	36		TUBE (Not furnished separately)
11	358 236 R1	RING, forward clutch shaft front bearing snap (+) (2)	37	324 238 R1	PIN, dowel
12	325 013 R1	GEAR, reverse drive (+)	38	627 138 C92	SHAFT ASSY., clutch (Composed of -
13	ST 278	BEARING, forward clutch shaft front (+)			1 PIN 324 238 R1
					2 PIN 17 164 R1
					1 PLATE 627 092 C1
					1 PLUG 734 021 C1
15A	619 586 C91	OIL SEAL, clutch shaft (+)			1 PLUG 347 554 R1
					2 RING 324 222 R1
16	610 411 C1	"O" RING, forward clutch shaft housing (3-1/2 x 3-3/4 x 1/8") (+)		17 164 R1	§ 1 TUBE)
					PIN, roll (2)
17A	609 513 C1	HOUSING, oil seal (+)	39	627 092 C2	PLATE, separator
	610 081 C1	SCREW, hex-hd cap (3)	40	325 014 R1	KEY, reverse drive gear (+)
	115 314	WASHER, lock (3)	41	734 021 C1	PLUG, pipe
18A	654 898 C1	YOKE, transmission drive (*) (+)	42	610 768 C93	GEAR, clutch
19	702 959 C1	PLATE, internal splined (26)	43	611 253 C1	WASHER, first speed forward gear thrust (+)
20	324 241 R1	PLATE, external splined (24)	44	321 966 R92	BEARING, forward clutch shaft rear (+)
22	627 363 C91	HUB ASSY., clutch (2) (Composed of -	45	359 894 R1	RING, forward clutch shaft rear bearing snap (+)
		1 HUB 627 364 C1			
		1 PLATE 627 365 C1			
		1 RING 627 366 C1			
		1 RING 627 367 C1)			
22	627 364 C1	HUB w/SPRING, and two RETAINER, clutch (2)	46	285 724 R1	"O" RING, forward clutch shaft hydraulic manifold large (3-3/8 x 3-5/8 x 1/8") (+)
23	627 969 C1	RING, seal (Piston hook type) (4)	47	325 059 R2	RING, forward clutch shaft rear sealing (+) (4)
24	627 669 C2	HOUSING, clutch piston	48	369 908 R1	"O" RING, forward clutch shaft hydraulic manifold (13/16 x 1 x 3/32") (+) (2)
25	324 222 R1	RING, snap (External) (4)	49	325 060 R2	MANIFOLD, forward clutch shaft hydraulic (+)
26	324 223 R1	"O" RING (2)		444 698	PLUG, hex-soc-hd pipe (2)
27	627 667 C2	PISTON, accelerating (2)		70 427 R1	SCREW, hex-hd cap (3)
28	610 751 C1	VALVE, disc (2)		115 314	WASHER, lock (3)
29	625 205 C1	DISC, reinforcing (2)	51	625 821 C1	SPRING, compression (inner) (6)
30A	627 666 C2	PIN, guide (3)	52	625 206 C1	SPRING, compression (outer) (6)
31	324 227 R1	"O" RING (Separator plate)			
32	347 297 R1	RING, snap (Internal)			
			(*)	-	Not part of Transmission Assy.
			(+)	-	Not part of Pack Assy.
			§	-	Not furnished separately.

DRIVE TRAIN

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

TRANSMISSION REVERSE CLUTCH PACK (For Power Shift)



A	625 801 C92	PACK ASSY., final clutch (Order PACK ASSY., 658 062 C91) 1460 and below	6A	610 769 C1	WASHER, thrust (2)
B	658 062 C91	PACK ASSY., final clutch 1461 and up (Composed of all parts except as noted -	7	584 268 R91	BEARING, thrust washer (2)
1	627 370 C1	PLATE, backing (Part of HUB ASSY., 627 369 C91) (2)	8	610 767 C92	GEAR, clutch
1	627 365 C1	PLATE, backing (Part of HUB ASSY., 627 363 C91) (2)	9A	610 772 C91	BEARING, roller (4)
2	627 367 C1	RING, snap (Internal) (2)	9B	610 770 C1	SPACER, bearing (2)
3	627 366 C1	RING, snap (External) (2)	10	325 012 R1	WASHER, second speed gear thrust (*)
4	324 231 R1	RETAINER, clutch hub (4)	11	325 017 R1	GEAR, reverse driven (*)
5	324 232 R1	RING, snap (Internal) (2)	12	321 966 R92	BEARING, reverse clutch shaft front (*)
6	584 269 R1	SPACER, washer (2)	13	359 894 R1	RING, reverse clutch shaft front bearing snap (*)
			14	325 059 R2	RING, sealing (*) (4)

(*) - Not part of Pack Assembly.

DRIVE TRAIN

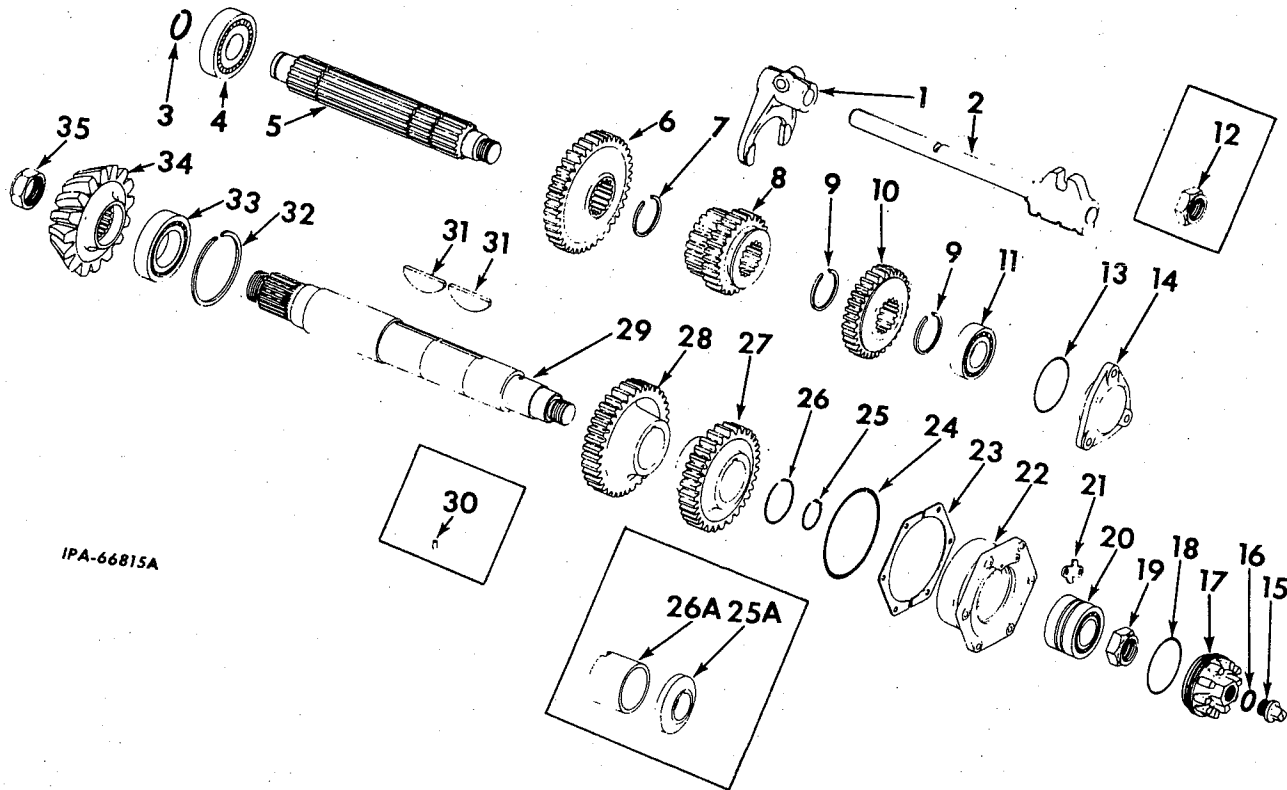
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION REVERSE CLUTCH PACK - Continued (For Power Shift)			32	625 205 C1	DISC, reinforcing (2)
17A	369 908 R1	RING, reverse clutch shaft hydraulic manifold seal (11/16 x 7/8 x 3/32") (*) (2)	33A	627 666 C2	PIN, guide (3)
18	345 836 R1	SHIM, reverse clutch shaft (.010") (x) (*)	34	324 227 R1	"O" RING
18	345 837 R1	SHIM, reverse clutch shaft (.030") (x) (*)	35	347 297 R1	RING, snap (Internal)
18A	285 724 R1	RING, reverse clutch shaft hydraulic manifold sealing (3-3/8 x 3-5/8 x 1/8") (*)	36	627 668 C2	PISTON, clutch
19	604 666 C3	MANIFOLD, reverse clutch shaft hydraulic (*)	37	324 226 R1	RING, seal
	444 698	PLUG, hex-soc-pipe (2)	38	324 238 R1	PIN, dowel
	70 427 R1	SCREW, 7/16 x 1-1/4" hex-hd cap (2)	39	627 092 C2	PLATE, separator
	24 852 R1	SCREW, 7/16 x 2-1/4" hex-hd cap	40	627 139 C91	SHAFT ASSY., clutch (Composed of -
	855 319 R1	SCREW, 7/16 x 3-1/2" hex-hd cap			2 PIN 17 164 R1
	115 314	WASHER, lock (4)			1 PIN 324 238 R1
					1 PLATE 627 092 C1
					1 PLUG 347 554 R1
					1 PLUG 194 363 H2
					2 RING 324 222 R1
					§ 1 TUBE)
20	307 915 R1	RING, tachometer cable adapter (Used with MANIFOLD, 604 666 C1) (*)	17 164 R1		PIN, roll (2)
21	604 667 C1	PLUG, reverse clutch shaft hydraulic manifold (Used w/MANIFOLD, 604 666 C1) (*)	41	118 002	KEY, reserve drive gear (*)
22	702 959 C1	PLATE, internal splined (22 for A) (26 for B)	42		TUBE (Not furnished separately)
23	324 241 R1	PLATE, external splined (20 for A) (24 for B)	43	610 768 C93	GEAR, clutch
25	627 369 C91	HUB ASSY., clutch (2 for A) (Composed of -	44	611 254 C1	WASHER, first speed reverse gear thrust (*)
		1 HUB 627 364 C1	45	272 477 R92	BEARING, reverse clutch shaft rear (*)
		1 PLATE 627 370 C1	46	359 141 R1	RING, reverse clutch shaft rear bearing snap (*)
		1 RING 627 366 C1	47	194 363 R2	PLUG, pipe
		1 RING 627 367 C1)	52	625 821 C1	SPRING, compression (Inner) (6)
25	627 363 C91	HUB ASSY., clutch (2 for B) (Composed of -	53	625 206 C1	SPRING, compression (Outer) (6)
		1 HUB 627 364 C1	54	347 554 R1	PLUG, pipe
		1 PLATE 627 365 C1			
		1 RING 627 366 C1			
		1 RING 627 367 C1)			
25	627 364 C1	HUB w/SPRING and two RETAINER, clutch (2)			
26	627 969 C1	RING, seal (Piston hook type) (4)			
27	627 669 C2	HOUSING, clutch piston			
28	324 222 R1	RING, snap (External) (4)			
29	324 223 R2	"O" RING (Piston hook type) (2)			
30	627 667 C2	PISTON, accelerating (2)			
31	610 751 C1	VALVE, disc (2)			

(x) - As Required.
 (*) - Not part of Pack Assembly.
 § - Not furnished separately.

DRIVE TRAIN

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

TRANSMISSION
BEVEL PINION SHAFT, SPLINE SHAFT
(For Power Shift)



1	325 025 R2 454 522 R1 24 865 R1	FORK, high-low shifter NUT, lock SCREW, hex-hd cap	8	654 429 C1	GEAR, high and low speed driving (21-25T) (+)
2	325 023 R11	SHAFT, high-low shifter (+)	8	658 051 C1	GEAR, high and low speed driving (20-25T) (%)
2	658 057 C2	SHAFT, high-low shifter (%)	9	324 051 R1	RING, second speed driven gear snap (2)
3	359 894 R1	RETAINER, spline shaft rear bearing	10	325 058 R1	GEAR, second speed driven (31T) (Order GEAR, 658 043 C1, SPACER, 659 936 C1 and DRAWING, CZG-1584) (+)
4	272 479 R92	BEARING, spline shaft rear	10	658 043 C1	GEAR, second speed driven (31T) (%)
5	325 081 R1	SHAFT, spline (Order SHAFT, 659 938 C1, BEARING, 327 429 R92 and DRAWING, CZG-1584) (+)	11	321 968 R92	BEARING, spline shaft front (+)
5	659 938 C1	SHAFT, spline (%)	11	327 429 R92	BEARING, spline shaft front (%)
6	325 056 R1	GEAR, first speed driven (42T) (Order GEAR, 658 044 C1, SPACER, 659 935 C1 and DRAWING, CZG-1584) (+)			
6	658 044 C1	GEAR, first speed driven (42T) (%)			
7	324 051 R1	RETAINER, first speed driven gear			
			(+) -	Part of TRANSMISSION, 628 255 C91.	
			(%) -	Part of TRANSMISSION, 658 065 C91.	

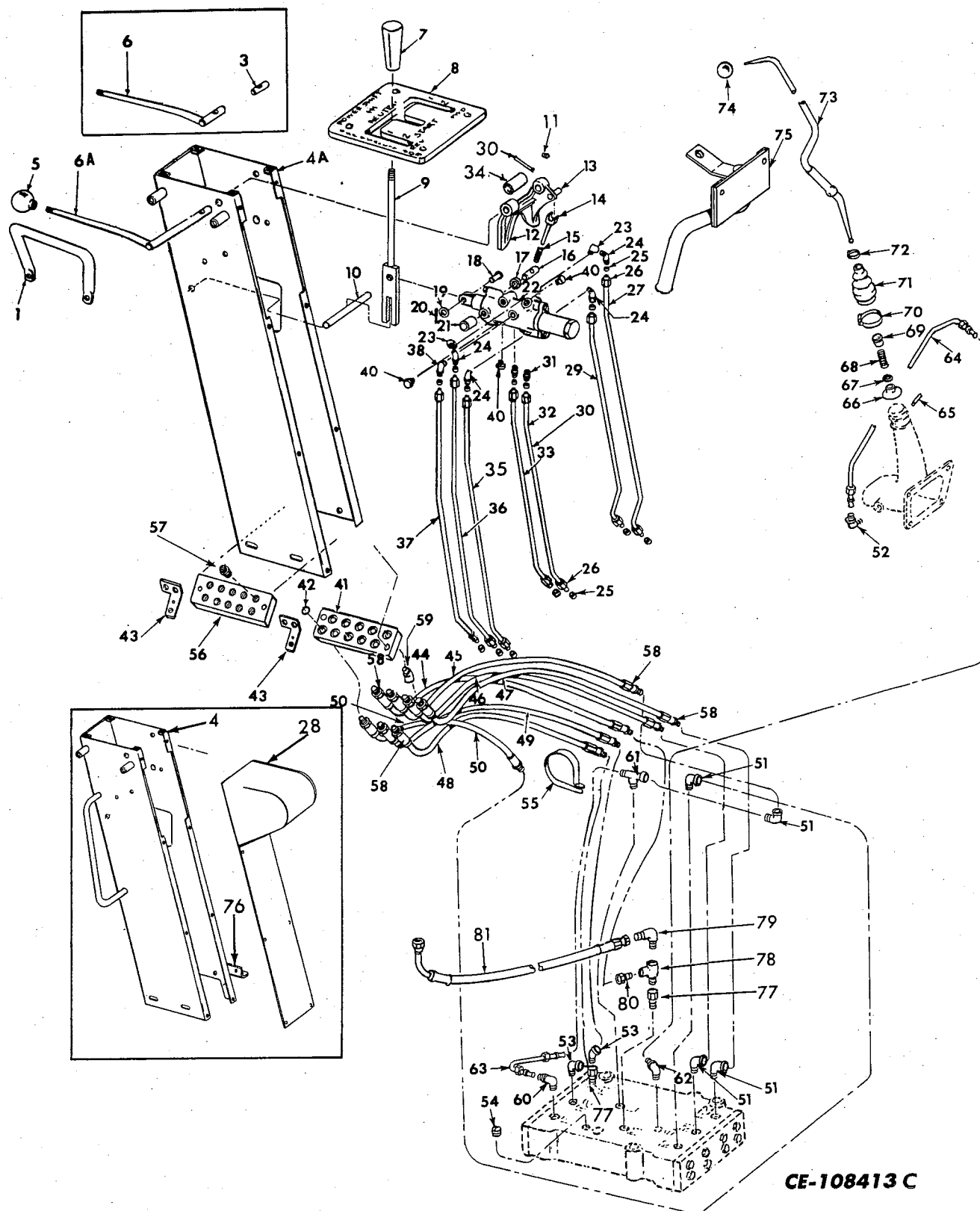
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION BEVEL PINION SHAFT, SPLINE SHAFT - Continued (For Power Shift) - Continued			29	658 055 C1	SHAFT, bevel pinion (26T) (%)
12	19 499 R1	NUT, spline shaft (+)	30	141 127	PIN, dowel (+)
13	285 723 R1	"O" RING, spline shaft bearing cap (3-1/8 x 3-3/8 x 1/8")	31	12 484 R1	KEY, high and low range driven gear (2)
14	325 008 R1 70 427 R1 115 314	CAP, spline shaft bearing SCREW, hex-hd cap (3) WASHER, lock (3)	32	324 049 R1	RING, rear bearing bevel pinion snap
15	269 909 R2	PLUG, bevel pinion shaft front bearing retainer	33	705 320 C91	BEARING, pinion rear
16	269 910 R1	GASKET, bevel pinion shaft front bearing retainer plug	34	325 055 R1	PINION, bevel (*)
17	325 005 R1	RETAINER, bevel pinion shaft front bearing	35	19 829 R1	NUT, bevel pinion retainer
18	285 723 R1	"O" RING, bevel pinion shaft front bearing retainer (3-1/8 x 3-3/8 x 1/8")		659 935 C1	SPACER
19	19 499 R1	NUT, bevel pinion shaft front		659 936 C1	SPACER
20	321 969 R91	BEARING, bevel pinion shaft front			
21	325 007 R1 24 839 R1 115 093	LOCK, bevel pinion shaft front bearing retainer SCREW, hex-hd cap (2) WASHER, lock (2)			
22	334 685 R2 24 850 R1 115 314	CAGE, pinion shaft bearing SCREW, hex-hd cap (6) WASHER, lock (6)			
23	334 686 R1	SHIM, bevel pinion shaft (.015") (x)			
23	334 687 R1	SHIM, bevel pinion shaft (.007") (x)			
23	334 688 R1	SHIM, bevel pinion shaft (.004") (x)			
24	610 415 C1	"O" RING, bevel pinion shaft bearing cage (4-7/8 x 5-3/8 x 1/4")			
25	658 054 C1	RING, bevel pinion shaft front bearing retainer (%)			
25A	325 004 R1	SPACER, bevel pinion shaft front (+)			
26	658 053 C1	RING, high range driven gear retainer (%)			
26A	325 003 R1	SPACER, bevel pinion shaft rear (+)			
27	658 047 C1	GEAR, high range driven (32T)			
28	654 427 C1	GEAR, low range driven (36T) (+)			
28	658 045 C1	GEAR, low range driven (37T) (%)			
29	325 054 R1	SHAFT, bevel pinion (18T) (Order SHAFT, 658 055 C1, RING, 658 053 C1 and RING, 658 054 C1) (+)			

(x) - As Required.
 (+) - Part of TRANSMISSION, 628 255 C91.
 (%) - Part of TRANSMISSION, 658 065 C91.
 (*) - Listed and illustrated with "Steering
 Planetary Drive."

DRIVE TRAIN

TRANSMISSION CONTROLS (For Power Shift)



DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS - Continued (For Power Shift)			18	27 128 H	PIN, rod end
1	334 664 R1 115 314 24 849 R1	GUARD, pilot control valve lever WASHER, lock (2) SCREW, hex-hd cap (2)	19	52 917 R1	WASHER, pilot control valve lever
3	620 048 C1	SHAFT, safety lock 3518 and below	20	103 384	PIN, cotter
4	624 693 C2 70 427 R1 115 314 24 854 R1	HOUSING, control tower 4229 and below SCREW, hex-hd cap (2) WASHER, lock (4) SCREW, 7/16 x 2-3/4" (2)	21	617 113 C1	SPACER, pilot control valve (4)
4A	733 050 C1 24 854 R1 70 427 R1 115 314	HOUSING, control tower 4230 and up BOLT (2) BOLT (2) WASHER, lock (4)	22	24 841 R1 115 093	VALVE ASSY., pilot control (For components, see list of parts under details of "Pilot Control Valve") SCREW, hex-hd cap (4) WASHER, lock (4)
5	307 839 R1	KNOB, safety lock lever	23	9 409 931	ELBOW, street (Pilot control valve) (R1 and F1 positions) (2)
6	622 317 C2	LEVER, safety lock 3518 and below	24	615 307 C1	ELBOW, pilot control valve (R1, F1, F2 and R2 positions) (4)
6A	713 209 C1	LEVER, safety lock 3519 and up	25	915 500 R1	SLEEVE, tube (14)
7	347 768 R1	HANDLE, pilot control valve lever	26	915 499 R1	NUT, tube (14)
8	650 518 C1 25 957 R1 138 544	GATE, gear shifter lever SCREW, pan-hd (4) WASHER, int-tooth lock (4)	27	620 373 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1, ("R1" position on pivot valve to "R1" position on junction block)
9	700 032 C1	LEVER, pilot control valve	28	650 527 C1 24 889 R1 115 093 25 534 R1	COVER, control tower housing 4229 and below SCREW, hex-hd cap (3) WASHER, lock (3) WASHER, flat (3)
10	617 112 C1 24 839 R1 115 093	PIN, pilot control valve lever pilot SCREW, hex-hd cap WASHER, lock	29	620 371 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1 ("F2" position on pilot valve to "F2" position on junction block)
11	617 256 C1	SCREW, safety lock lever set (2) 3518 and below	30	364 436 R1	PIN, safety lock lever spiral spring 3519 and up
12	709 106 C91	CONTACT w/PIN 616 270 C1, safety lock and switch (Order the following parts - 3518 and below 1 CONTACT 709 162 C92 1 DRAWING CZG-2648 1 INSULATOR 713 275 C1 1 LEVER 713 209 C1 1 PIN 364 436 R1)	31	606 885 C1	CONNECTOR, pilot control valve (M and L positions) (2)
12	709 106 C92	CONTACT w/PIN 616 Z to C1, safety lock and switch 3519 and up	32	620 375 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1 ("L" position on pilot control valve to "L" position on junction block)
13	616 270 C1	PIN, safety lock cam bracket	33	620 375 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1 ("M" position on pilot control valve to "M" position on junction block)
14	327 912 R3	GUIDE, safety lock spring	34	713 275 C1	INSULATOR, safety switch 3519 and up
15	331 953 R2	SPRING, safety lock	35	620 379 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1 ("R2" position on pilot control valve to "R2" position on junction block)
16	327 910 R2	SHAFT, safety lock pivot	36	620 381 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1 ("F1" position on pilot control valve to "F1" position on junction block)
17	617 068 C1	BUSHING, safety lock pivot			

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS - Continued (For Power Shift)			52	606 845 C1	ELBOW, hi-lo tube
37	620 377 C91	TUBE w/two NUTS, 915 499 R1 and two SLEEVES, 915 500 R1 ("N" position on pilot control valve to "N" position on junction block)	53	307 989 R91	ELBOW, 90° range selector valve (In "R2" port) (Replaces, 620 386 C91)
38	319 615 R1	ELBOW, pilot control valve ("N" position)	53	620 386 C91	ELBOW, 45° range selector valve (In "F1" port) (Order ELBOW, 307 989 R91 and ADAPTER, 443 998)
40	444 613	PLUG, sq-hd pipe (3)	53	307 989 R91	ELBOW, 90° range selector valve (In "F1" port)
41	620 369 C1	MANIFOLD, transmission selector valve	54	127 950	PLUG, range selector valve (In "C" port)
	179 841	SCREW, hex-hd cap (2)	55	308 872 R1	CLAMP, hose (Regulator valve spacer mounting bolt)
	103 321	WASHER, lock (2)	56	620 368 C1	MANIFOLD, tower
42	355 966 R1	"O" RING, 7/16 x 5/8 x 3/32" (10)	57	606 885 C1	CONNECTOR, tower manifold (7)
43	620 387 C1	BRACKET, tower manifold (2)	58	317 767 R91	FITTING, male pipe (Used w/HOSE, 619 682 C91) (14)
	25 222 R1	SCREW, 1/4" hex-hd cap (2)	59		NOT USED
	24 841 R1	SCREW, 3/8" hex-hd cap (2)	60	319 615 R1	ELBOW, range selector valve (In "F" port)
	24 854 R1	SCREW, 7/16" hex-hd cap (2)	61	610 000 C1	TEE, range selector valve
	115 109	WASHER, 1/4" lock (2)	62	606 930 C1	ELBOW, hi-lo tube (In "S" port)
	115 314	WASHER, 7/16" lock (2)	63	628 212 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, range selector ("L" to "F" ports)
	115 093	WASHER, 3/8" lock (2)		915 499 R1	NUT, tube (2)
44	656 284 C1	HOSE w/two FITTINGS, "M" position on manifold to "M" position on transmission range selector valve (Hose 3/16" ID x 30" long including fittings)		915 500 R1	SLEEVE, tube (2)
45	656 284 C1	HOSE w/two FITTINGS, "L" position on manifold to "L" position on transmission range selector valve (Hose 3/16" ID x 30" long including fittings)	64	628 211 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, range selector "S" to hi-lo housing
46	656 284 C1	HOSE w/two FITTINGS ("R1" position on manifold to "R1" position on transmission range selector valve (HOSE, 3/16" ID x 30" long including FITTINGS)		265 205 R1	NUT, tube (2)
47	656 284 C1	HOSE w/two FITTINGS ("F2" position on manifold to "F2" position on transmission range selector valve) (HOSE, 3/16" ID x 30" long including FITTINGS)		265 204 R1	SLEEVE, tube (2)
48	656 284 C1	HOSE w/two FITTINGS ("R2" position on manifold to "R2" position on transmission range selector valve) (HOSE, 3/16" ID x 30" long including FITTINGS)	65	306 025 R2	SHAFT, shifter lever 1460 and below
49	656 284 C1	HOSE w/two FITTINGS ("F1" position on manifold to "F1" position on transmission range selector valve) (HOSE, 3/16" ID x 30" long including FITTINGS)	65	23 092 R1	SHAFT, hi-lo shifter lever 1461 and up
50	656 284 C1	HOSE w/two FITTINGS ("R" position on manifold to "R" position on transmission range selector valve) (HOSE, 3/16" ID x 30" long including FITTINGS)	66	325 028 R1	CAP, shifter swivel
51	307 989 R91	ELBOW, 90° range selector valve (In "F2, R1, R and L" ports) (4)	67	256 141 R1	WASHER, swivel cap spring
			68	252 844 R1	SPRING, swivel cap
			69	252 852 R1	STOP, swivel cap spring
				104 076	RIVET, rd-hd
			70	274 088 R91	CLAMP, shifter lever boost lower
			71	325 029 R1	BOOT, high-low shifter lever
			72	252 977 R91	CLAMP, shifter lever boot upper

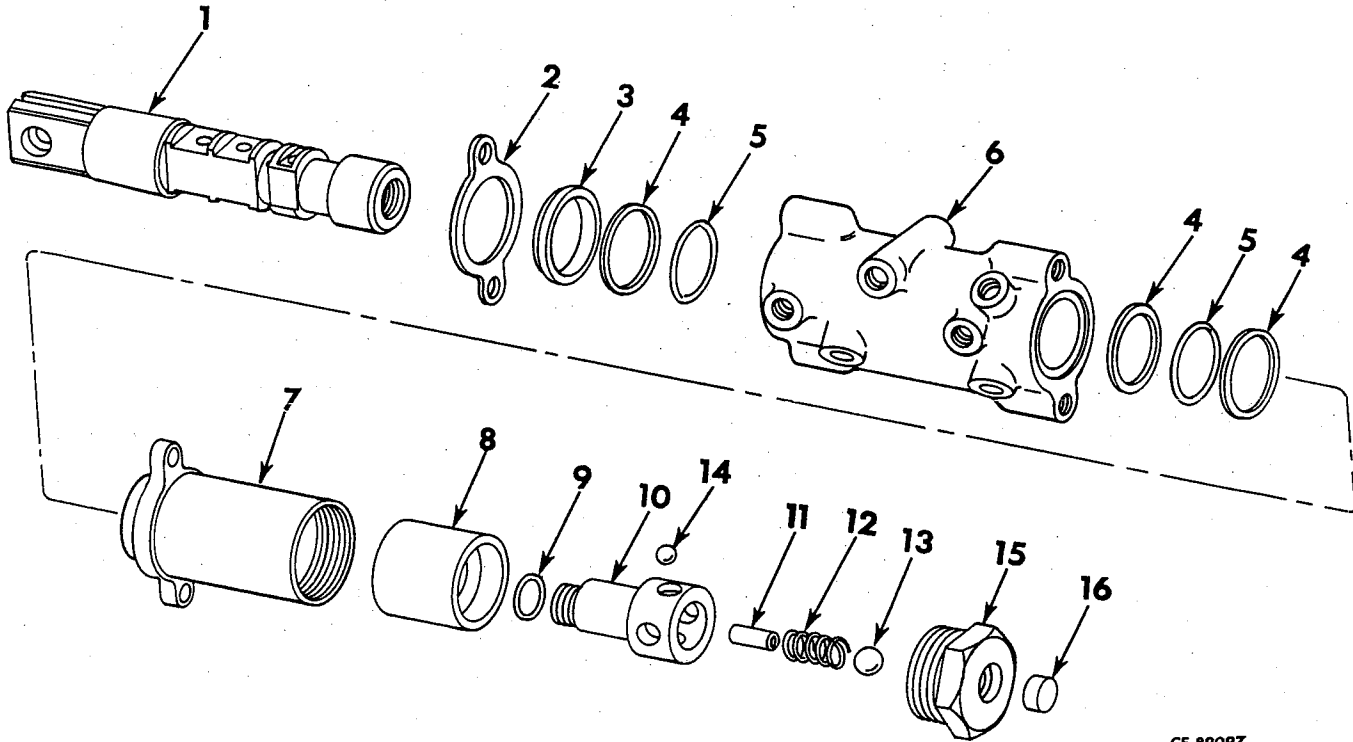
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CONTROLS - Continued (For Power Shift)					
73	325 084 R2	LEVER, high-low shifter 1460 and below			
73	658 061 C1	LEVER, high-low shifter 1461 and up			
74	264 055 R2	BALL, shifter lever			
75	650 507 C1	COVER, switch mounting			
	25 496 R1	SCREW, hex-hd cap (2)			
	103 341	WASHER, flat (2)			
	115 093	WASHER, lock (2)			
76	629 355 C1	BRACKET, control tower support 4229 and below			
	140 483 H	SCREW, hex-hd cap (4)			
	25 522 R1	NUT (4)			
	25 544 R1	WASHER, flat (6)			
	115 093	WASHER, lock (4)			
77	443 998	ADAPTER, pip (In "M and F1" ports of range selector) (2)			
78	9 409 946	TEE, range selector to pilot and steering booster			
79	585 694 R1	ELBOW, 90° range selector to steering booster			
80	294 134 R1	ADAPTER, swivel			
81	710 686 C1	HOSE w/FITTINGS, range selector to booster pressure (HOSE, 3/8" ID x 22" long including FITTINGS)			

DRIVE TRAIN

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

PILOT CONTROL VALVE (For Power Shift)



CE-89097

	700 030 C92	VALVE ASSY., pilot control (Consists of the following parts -			
1	617 007 C1	SPOOL, valve	8	617 018 C1	SLEEVE, detent
2	617 051 C1 25 653 R1	RETAINER, spool seal SCREW, hex-hd cap (2)	9	369 384 R1	"O" RING, .414 x .558 x .072"
3	617 020 C1	RING, spool wiper	10	617 016 C1	EXTENSION, valve spool
4	617 522 C1	RING, back-up (3)	11	17 145 R1	PIN, indexing ball stop
5	356 005 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8" (2)	12	624 355 C1	SPRING, indexing
6		BODY, valve (Not furnished separately)	13	17 014 R1	BALL, indexing
7	617 046 C1 616 268 C1 or 939 323 R1	HOUSING, detent BOLT, detent housing (2) SCREW, detent housing (2)	14	17 011 R1	BALL, poppet (4)
			15	616 269 C11	CAP w/PLUG, 376 429 R1, housing
			16	376 429 R1	PLUG, cap

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PRESSURE TEST CONNECTIONS (For Power Shift)					
1		PLATE, pressure check (Not furnished separately)	11	319 615 R1	ELBOW, regulator valve pressure test (In "L" port)
2	624 211 C1	BRACKET, test manifold 501 to 545	12	659 071 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, converter pressure test 546 and up
2	657 763 C1	BRACKET, test manifold 546 and up			
3	444 614	PLUG, header block test port pipe	12	624 217 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, converter pressure test 501 to 545
4	334 445 R1	BLOCK, test connection header			
	25 751 R1	SCREW, hex-hd cap (2)	13	659 070 C91	TUBE w/two NUT, 915 499 R1, and two SLEEVE, 915 500 R1, lube pressure test 546 and up
	116 120	WASHER, lock (2)			
	102 634	NUT (2)	13	624 998 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, lube pressure test 501 to 545
5	319 615 R1	ELBOW, header block test port (2)			
6	915 500 R1	SLEEVE, tube (6)	14	610 713 C1	TEE, header block (In "M" port)
7	915 499 R1	NUT, tube (6)	15	9 409 934	ELBOW, 1/8" - 90° (2)
8	659 072 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, main pressure test 546 and up	16	105 404	NIPPLE (2)
8	624 219 C91	TUBE w/two NUT, 916 499 R1 and two SLEEVE, 915 500 R1, main pressure test 501 to 545	17	342 775 R91	COUPLING, quick connective (Order PLUG, 715 370 C1 and COVER, 715 477 C1) (2)
9	319 615 R1	ELBOW, regulator valve pressure test (In "M" port)			
10	319 615 R1	ELBOW, regulator valve pressure test (In "C" port)			

DRIVE TRAIN

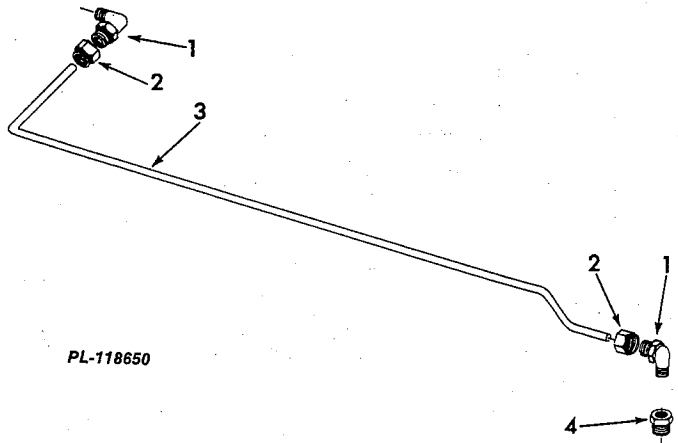
REF. NO.	PART NUMBER	DESCRIPTION

PRESSURE TEST CONNECTIONS —Continued (For Power Shift)

17	715 370 C1	PLUG, quick disconnect (2)
18	715 477 C1	COVER, quick connective plug (Replaces 666 101 C1) (2)
18	738 030 C1	COVER, quick connective plug

REF. NO.	PART NUMBER	DESCRIPTION

TORQUE CONVERTER VENT TUBE (For Power Shift)



1	606 845 C1	ELBOW, torque converter vent tube (2)
2	265 205 R1	NUT, torque converter vent tube elbow (2)
	265 204 R1	SLEEVE, torque converter vent tube (2)
3	628 252 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1
4	144 047	REDUCER, 1/4 x 3/4" torque converter vent tube (In converter)

- Serial Number Not Available

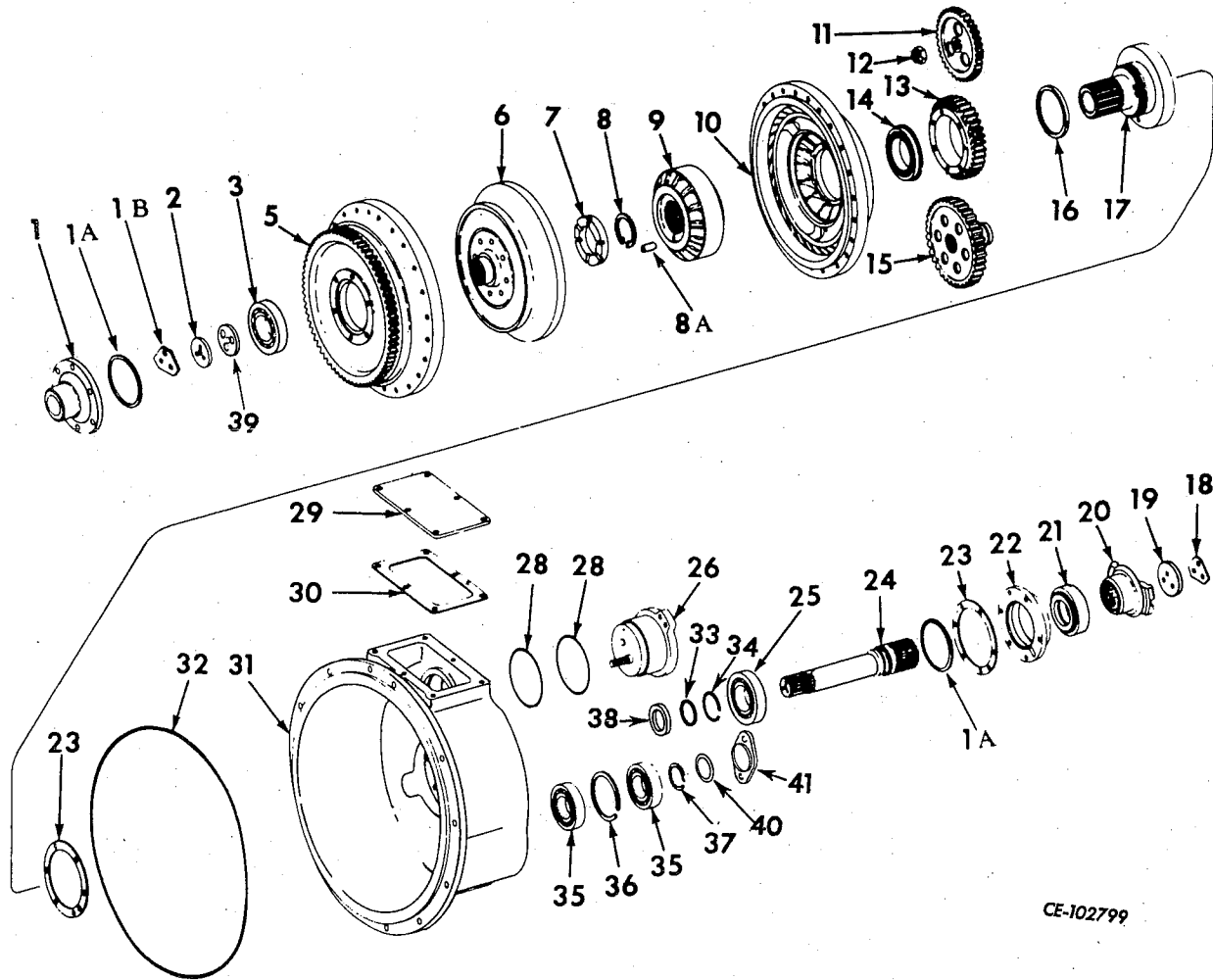
DRIVE TRAIN

MEMORANDA

DRIVE TRAIN

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

TORQUE CONVERTER (For Power Shift)



CE-102799

658 100 C92	CONVERTER ASSY., torque	2	324 088 R1	WASHER, flange retainer
70 427 R1	SCREW, hex-hd cap (12)	3	ST-296	BEARING, turbine hub
115 314	WASHER, lock (12)	5	627 868 C1	HOUSING, converter drive
	(Consists of -	6	627 869 C1	TURBINE
1	627 870 C3	7	324 085 R2	SPACER, converter
	HUB, input drive	8	641 207 R1	RING, snap
	SCREW, hex-hd cap (6)	8A	17 132 R1	PIN, spring
	WASHER, lock (6)	9	327 129 R92	STATOR w/PIN, 17 132 R1 and
1A	199 348 H2			RING, 641 207 R1
	SHIM, impeller hub or shaft bearing	10	625 857 C1	IMPELLER, converter
	retainer (.005") (x)		24 494 R1	WASHER, flat (7)
1A	199 351 H2		27 261 R1	SCREW, 7/16" hex-hd cap (7)
	SHIM, impeller hub or shaft bearing		9 409 225	SCREW, 5/16" hex-hd cap (24)
	retainer (.010") (x)			
1A	199 352 H2			
	SHIM, impeller hub or shaft bearing			
	retainer (.020") (x)			
1A	627 872 C1			
	SHIM, impeller hub or shaft bearing			
	retainer (.050") (x)			
1B	610 256 C1			
	PLATE, output flange locking			
	SCREW, hex-hd cap (3)			
454 869				

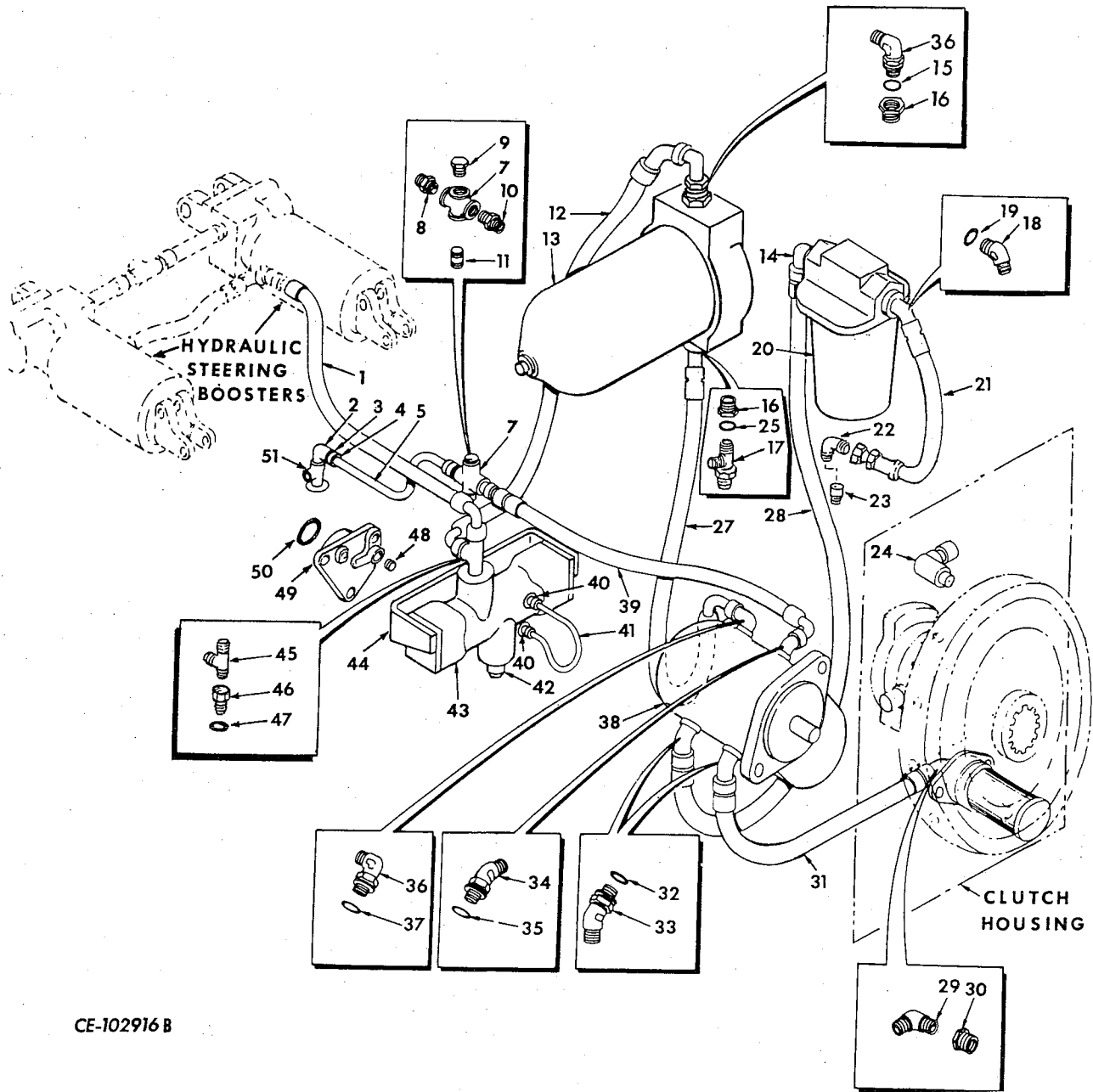
(x) - As Required.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER — Continued (For Power Shift)					
11	603 633 C1	GEAR, input pump drive	39	210 877 H1	SHIM, flange retainer washer (.030") (x)
12	19 263 R1	NUT, elastic stop (Input pump drive gear retaining)	40	22 414 R1	"O" RING, pump drive cover (5 x 5-1/4 x 1/8") (Not used w/ Hydraulic Control Unit)
13	627 882 C1	GEAR, accessory drive	41	326 650 R11	COVER, equipment pump drive (Not used w/Hydraulic Control Unit)
14	324 109 R91	BEARING, impeller hub		604 743 C91	PACKAGE, torque converter gasket field service (Consists of the following GASKETS and RINGS -
15	343 686 R1	GEAR, accessory driven		324 069 R1	GASKET, output shaft bearing retainer (2)
16	324 062 R2	RING, ground sleeve hub seal		324 092 R2	GASKET, pump inspection cover
17	324 061 R1	HUB, ground sleeve (39T)		321 988 R1	RING, torque converter to flywheel housing sealing
18	324 071 R2 454 869	PLATE, output flange locking SCREW, hex-hd cap (3)		324 062 R2	RING, hub sealing
19	324 072 R2	WASHER, flange retainer		156 283 H1	RING, output shaft sealing (Piston hook type)
20	197 976 H1	FLANGE, output		336 970 R1	RING, input pump sealing (2)
21	333 996 R92	SEAL, output shaft bearing		343 927 R1	RING, power take-off cover sealing
22	627 867 C1 179 846 103 321	RETAINER, output shaft bearing SCREW, hex-hd cap (6) WASHER, lock (6)		338 972 R1	SHIM, impeller hub (.005") (3)
23	324 069 R1	GASKET, output shaft bearing retainer (2)		347 089 R1	SHIM, impeller hub (.010") (3)
24	627 880 C1	SHAFT, turbine output		347 090 R1	SHIM, impeller hub (.020") (3)
25	ST-295	BEARING, output shaft ball		637 467 C91	KIT, input pump seal repair (For repair of PUMP, 637 409 C91)
26	637 409 C91 179 842 103 321	PUMP, input SCREW, hex-hd cap (2) WASHER, lock (2)			
28	336 970 R1	"O" RING, input pump (4.359 x 4.637 x 139") (2)			
29	625 854 C1 179 879 103 323	COVER, pump inspection SCREW, hex-hd cap (6) WASHER, lock (6)			
30	627 396 C1	GASKET, pump inspection cover			
31	627 871 C1	HOUSING, converter			
32	321 988 R1	"O" RING, torque converter to flywheel housing (19.725 x 20.145 x .210") (See NOTE)			
33	156 283 H1	RING, output shaft piston hook type seal			
34	24 985 R1	RING, output shaft external snap			
35	ST-201	BEARING, driven gear (2)			
36	197 971 H1	RING, driven gear snap			(x) - As Required.
37	631 255 R1	RING, turbine hub snap			NOTE - Not part of "Converter Assembly."
38	889 615 C1	SPACER			

DRIVE TRAIN

CLUTCH AND TRANSMISSION PIPING (For Manual Shift and Custom Applications)



CE-102916 B

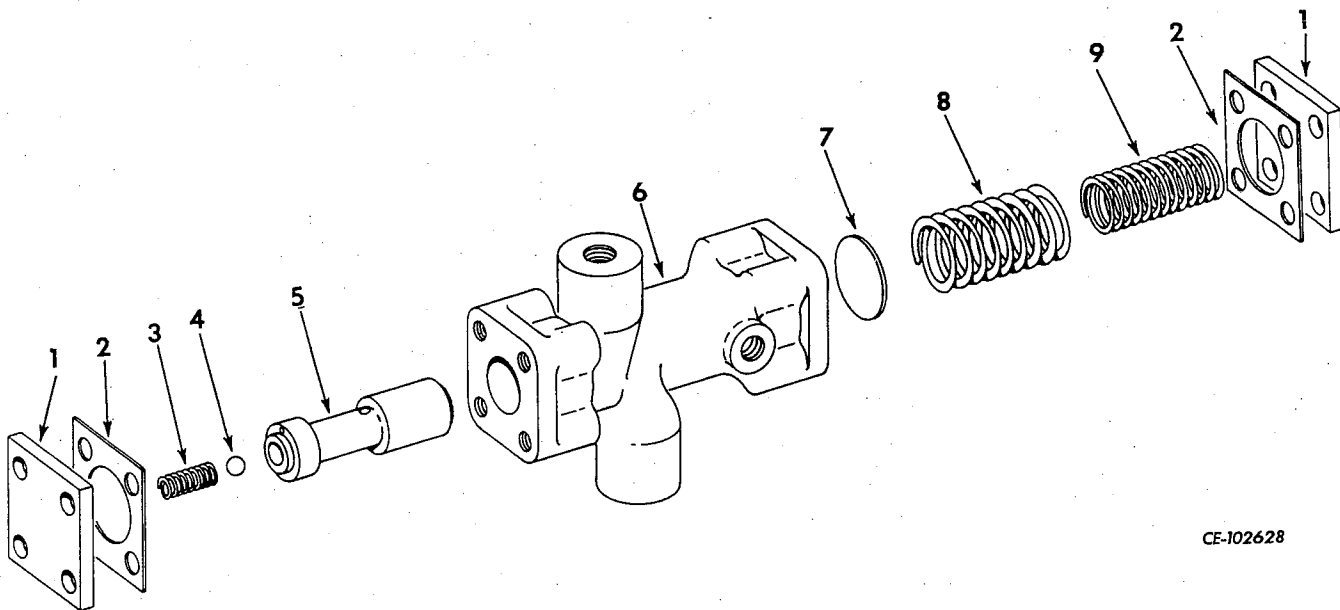
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH AND TRANSMISSION PIPING — Continued (For Manual Shift and Custom Applications)					
1	702 633 C1	HOSE w/FITTINGS, regulator-to-valve (HOSE, 3/8"ID x 38" long including FITTINGS)	27	702 636 C1	HOSE w/FITTINGS, charge pump to pressure filter (HOSE, 1/2"ID x 38" long including FITTINGS)
2	606 845 C1	ELBOW, transmission case tube	28	343 798 R91	HOSE w/FITTINGS, suction filter to charge pump (HOSE, 3/4"ID x 21" long including FITTINGS)
3	265 204 R1	SLEEVE (2)	29	9 402 867	ELBOW, tube (Clutch to pump hose at clutch housing)
4	265 205 R1	NUT (2)	30	144 056	BUSHING, pipe reducer (Clutch housing outlet)
5	616 456 C11	TUBE w/two SLEEVE, 265 204 R1 and two NUT, 265 205 R1, transmission cover-to-case	31	702 634 C1	HOSE w/two FITTINGS, clutch housing to pump (HOSE, 3/4"ID x 21" long including FITTINGS)
7	144 151	CROSS, pipe (In transmission inlet nipple)	32	368 269 R1	RING, elbow sealing (2)
8	606 819 C1	CONNECTOR, (In cross)	33	9 411 107	ELBOW, tube pump inlet (2)
9	20 988 R1	PLUG, pipe (In cross)	34	9 411 105	ELBOW, tube (Scavenging pump outlet)
10	321 359 R1	ADAPTER (Pump to transmission hose at transmission)	35	570 828 R1	RING, elbow sealing
11	334 762 R1	NIPPLE, pipe (Transmission inlet)	36	9 410 977	ELBOW, tube (2)
12	702 637 C1	HOSE w/FITTINGS, pressure filter to regulator tee (HOSE, 1/2"ID x 25" long including FITTINGS)	37	570 828 R1	RING, elbow sealing
13		FILTER ASSY., pressure (For components, see list of parts under details of "Pressure Filters")	38		PUMP ASSY., hydraulic pressure (Refer to "Hydraulic Pressure Pump")
14	662 277 C1	ELBOW, filter outlet	39	702 638 C1	HOSE w/two FITTINGS, scavenging pump to transmission cross (HOSE, 1/2"ID x 14-1/2" long including FITTINGS)
15	570 828 R1	RING, elbow sealing	40	606 819 C1	CONNECTOR, regulator overflow tube (2)
16	619 019 C1	REDUCER, pressure filter inlet and outlet (2)	41	616 459 C11	TUBE w/two SLEEVE, 265 204 R1 and two NUT, 265 205 R1, regulator overflow
	296 247 C1	"O" RING (2)		265 205 R1	NUT (2)
17	9 411 131	TEE, filter to regulator hose		265 204 R1	SLEEVE (2)
18	659 074 C1	ELBOW	42	338 784 R91	ADAPTER, pipe (Regulator outlet)
19	296 247 C1	RING, elbow sealing (2)	43		REGULATOR, pressure (Refer to "Pressure Regulator")
20		FILTER ASSY., charge pump suction (Refer to "Suction Filter")		24 851 R1	SCREW, 7/16 x 1-3/4" hex-hd cap
21	702 634 C1	HOSE w/FITTINGS, rear frame to suction filter (HOSE, 3/4"ID x 21" long including FITTINGS)		24 849 R1	SCREW, 7/16 x 1" hex-hd cap
22	9 402 867	ELBOW, filter hose at rear main frame		115 314	WASHER, lock (2)
23	144 059	ADAPTER, reducing rear main frame outlet	44	616 458 C1	BRACKET, regulator support
24	293 351 R91	ELBOW, pipe (Clutch housing inlet)		25 493 R1	SCREW, hex-hd cap (4)
25	570 828 R1	RING, elbow sealing		116 120	WASHER, lock (4)
			45	619 020 C1	TEE, regulator inlet
			46	627 442 C1	ADAPTER, regulator inlet

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH AND TRANSMISSION PIPING — Continued (For Manual Shift and Custom Applications)					
47	297 459 R1	“O” RING, adapter (.351 x .495 x .072”)	50	285 723 R1	“O” RING, regulator adapter (3-1/8 x 3-3/8 x 1/8”)
48	444 691	PLUG, adapter pipe	51	263 804 R1	TEE, transmission case to rear main frame cover
49	616 457 C11	ADAPTER w/PLUG, 444 691, pressure regulator	330 929 R1	CLAMP, charge pump hose (Mount on clutch retainer housing bolt)	
	70 427 R1	SCREW, hex-hd cap (2)			
	115 314	WASHER, lock (2)			

PRESSURE REGULATOR (For Manual Shift and Custom Applications)



CE-102628

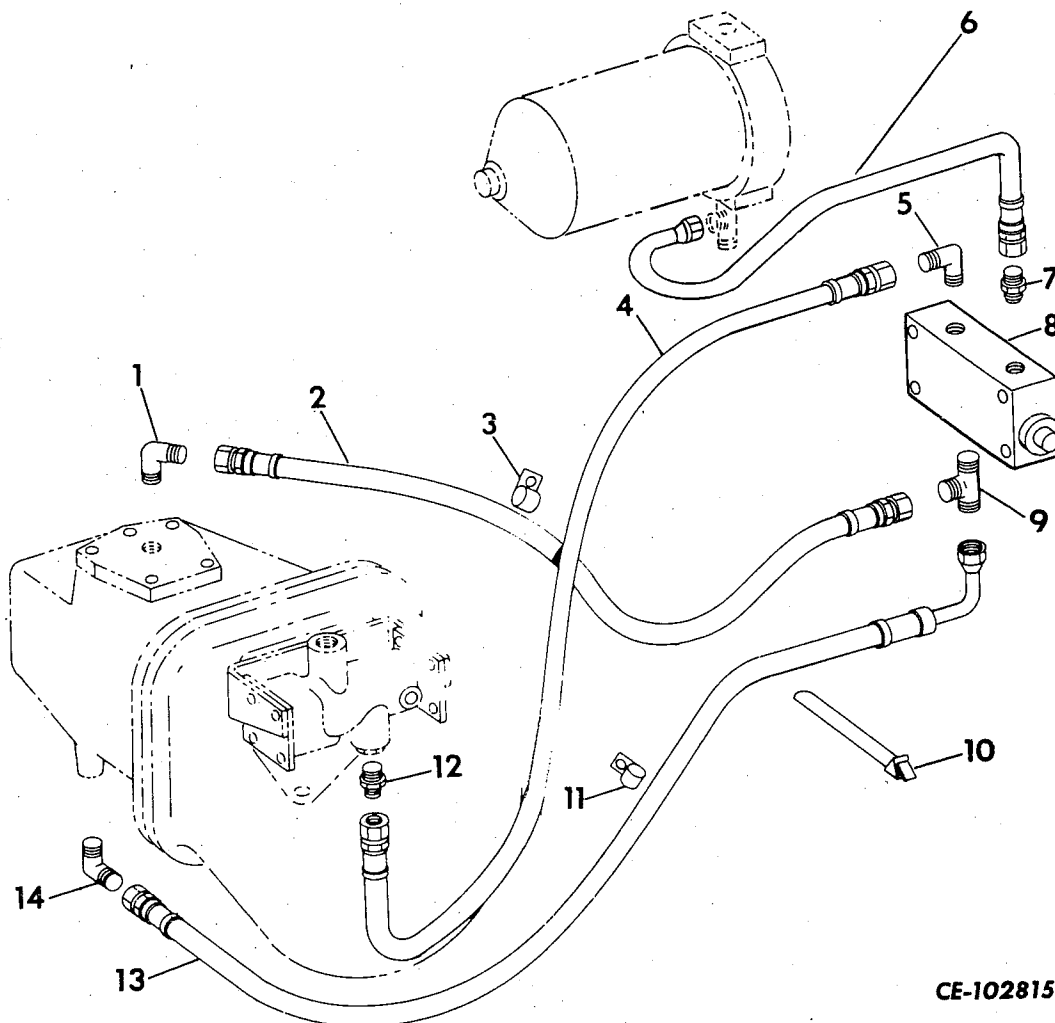
1	321 991 R1	COVER, regulator end (2)	6	609 859 C3	HOUSING, regulator valve
	25 492 R1	SCREW, hex-hd cap (8)	7	321 997 R1	WASHER, spool valve spring support (3)
	116 120	WASHER, lock (8)	8	606 512 C1	SPRING, spool valve outer
2	321 992 R1	GASKET, regulator end (2)	9	324 299 R1	SPRING, spool valve inner
3	347 243 R1	SPRING, valve spool		20 139 R1	PIN, valve spool
4	346 509 R1	BALL, valve spool			
5	338 651 R94	VALVE w/BALL, 346 509 R1, PIN, 20 139 R1 and SPRING, 347 243 R1, spool			

DRIVE TRAIN

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

DIVERTER VALVE PIPING

(For Manual Shift and Custom Applications)



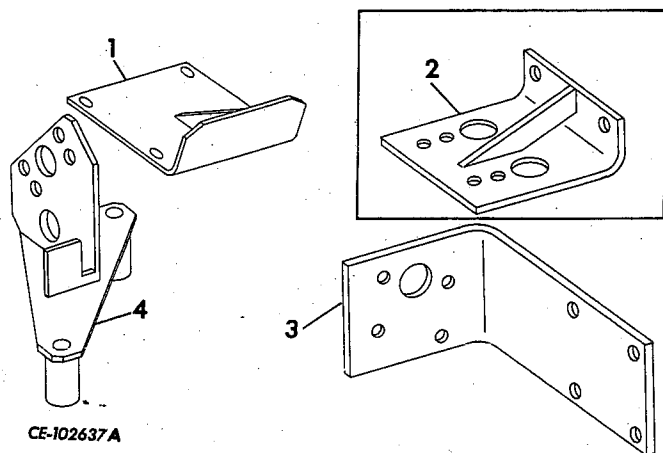
CE-102815A

1	9 402 864	ELBOW, gear shift lock manifold	9	9 403 098	TEE, diverter valve outlet
2	654 209 C1	HOSE w/FITTINGS, diverter valve to manifold (HOSE, 1/4"ID x 38" long including FITTINGS)	10	327 272 R91	STRAP, diverter valve hose
3	299 615 C1	CLAMP, diverter valve to manifold hose	11	299 615 C1	CLAMP, diverter valve to forward and reverse plug hose (On transmission (2))
4	654 210 C1	HOSE w/FITTINGS, diverter valve to regulator drain (HOSE, 1/4"ID x 16" long including FITTINGS)		203 762 R1 446 212	SCREW, hex-hd cap (2) WASHER, flat (4)
5	9 402 864	ELBOW, diverter valve	12	9 402 708	CONNECTOR, regulator drain
6	656 541 C1	HOSE w/FITTINGS, pressure filter to diverter valve tee (HOSE, 3/8"ID x 12" long including FITTINGS)	13	654 208 C1	HOSE w/FITTINGS, diverter valve to forward and reverse poppet plug (HOSE, 1/4"ID x 38" long including FITTINGS)
7	321 359 R1	ADAPTER, diverter valve inlet	14	9 402 864	ELBOW, forward and reverse poppet plug
8		VALVE ASSY., diverter (Refer to "Diverter Valve")			

DRIVE TRAIN

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

FILTER BRACKETS

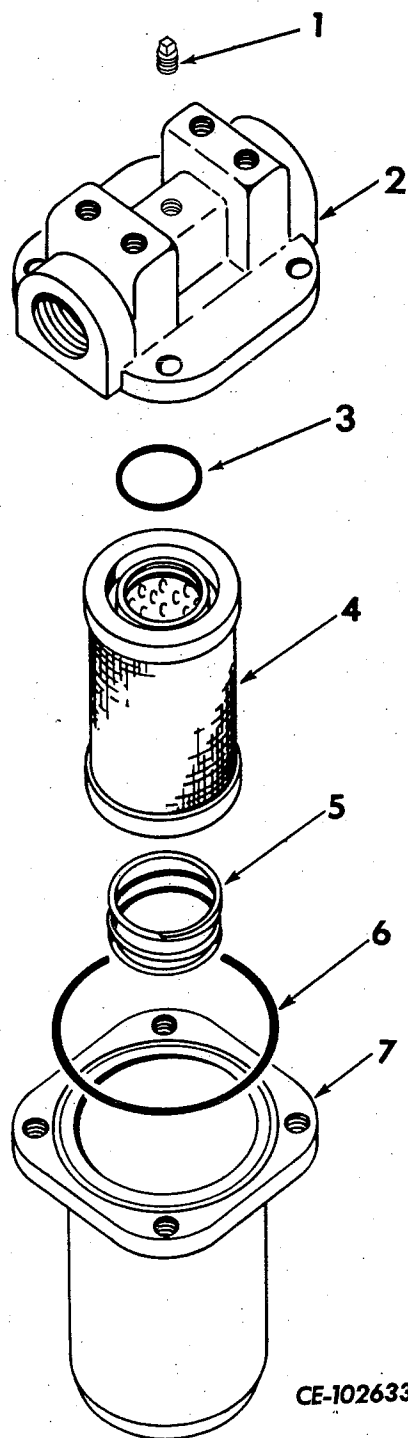


1	624 207 C1	BRACKET, suction filter (For Power Shift) 4229 and below
	24 861 R1	SCREW, hex-hd cap (4)
	151 795 R1	WASHER, flat (4)
2	334 804 R21	BRACKET, safety filter (For Power Shift) 666 and below
	24 849 R1	SCREW, hex-hd cap (2)
	115 314	WASHER, lock (2)
3	620 388 C1	BRACKET, transmission pressure filter mounting (For Power Shift) 4229 and below
	25 526 R1	NUT (4)
	24 862 R1	SCREW, hex-hd cap (4)
	116 121	WASHER, lock (4)
4	658 730 C1	BRACKET, suction filter support (For Manual Shift and Custom Application)
	24 856 R1	SCREW, hex-hd cap (2)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION

SUCTION AND SAFETY FILTERS

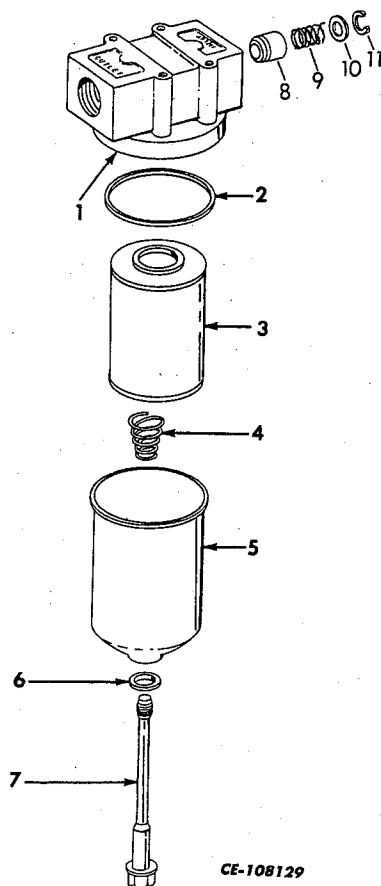


REF. NO.	PART NUMBER	DESCRIPTION
A	659 065 C91	FILTER ASSY. (Suction Filter for Manual Shift and Custom Application) 501 and up (Safety Filter for Power Shift Application) 666 and below
	24 839 R1	SCREW, hex-hd cap (Manual Shift and Custom Application) (4)
	25 496 R1	SCREW, hex-hd cap (Power Shift) (4)
	115 093	WASHER, lock (4)
B	662 138 C91	FILTER ASSY., suction (For Power Shift) 4229 and below
	25 272 R1	SCREW, hex-hd cap (2)
	116 121	WASHER, lock (2)
	103 343	WASHER, flat (2)
C	715 140 C91	FILTER ASSY., suction (For Power Shift) 4230 and up
	24 859 R1	BOLT (3)
	25 546 R1	WASHER, hardened (3)
1	445 684	PLUG, pipe (A) (B)
1	445 684	PLUG, pipe (C) (2)
2		HEAD, filter (Not furnished separately)
3	708 560 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (A)
3	382 432 R1	"O" RING, 2 x 2-1/4 x 1/8" (B)
3		"O" RING (Not furnished separately) (C)
4	619 214 C1	ELEMENT w/"O" RING, 708 560 R1 (A)
4	619 279 C1	ELEMENT w/"O" RING, 382 432 R1 (B)
4	637 463 C91	ELEMENT w/"O" RING (C)
5	346 822 R1	SPRING (A)
5	606 210 C1	SPRING (B)(C)
6	354 836 R1	"O" RING, 3-1/4 x 3-1/2 x 1/8" (A)
6	257 642 R1	"O" RING, 4-1/4 x 4-1/2 x 1/8" (B)(C)
7		BODY, filter (Not furnished separately)
	637 464 C1	MAGNET, plastiform (C) (6)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION

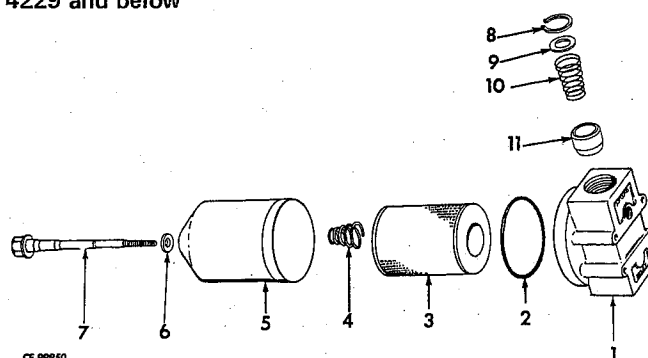
PRESSURE FILTER
(For Manual Shift and Custom Application)
(Deluxe Products Corp.)



A	702 096 C91	FILTER ASSY., pressure (Order FILTER ASSY., 665 728 C91)
B	665 728 C94	FILTER ASSY., pressure
1		BASE, oil filter (Not serviced separately)
2	3 042 934 R1	"O" RING, 5 x 5-1/2 x 1/4"
3	615 447 C2	ELEMENT, oil filter
4	471 633 R1	SPRING, oil filter compression
5	615 443 C1	BODY, oil filter
6	615 445 C1	GASKET, oil filter body bolt (A)
6	610 814 C1	WASHER, seal (B)
7	615 446 C1	BOLT, oil filter holddown
8	706 950 C1	VALVE, filter by-pass
9	622 663 C1	SPRING (B)
10	103 343	WASHER (B)
11	338 835 R1	RING, retaining (B)

REF. NO.	PART NUMBER	DESCRIPTION

PRESSURE FILTER
(For Power Shift)
(Deluxe Products Corp.)
4229 and below



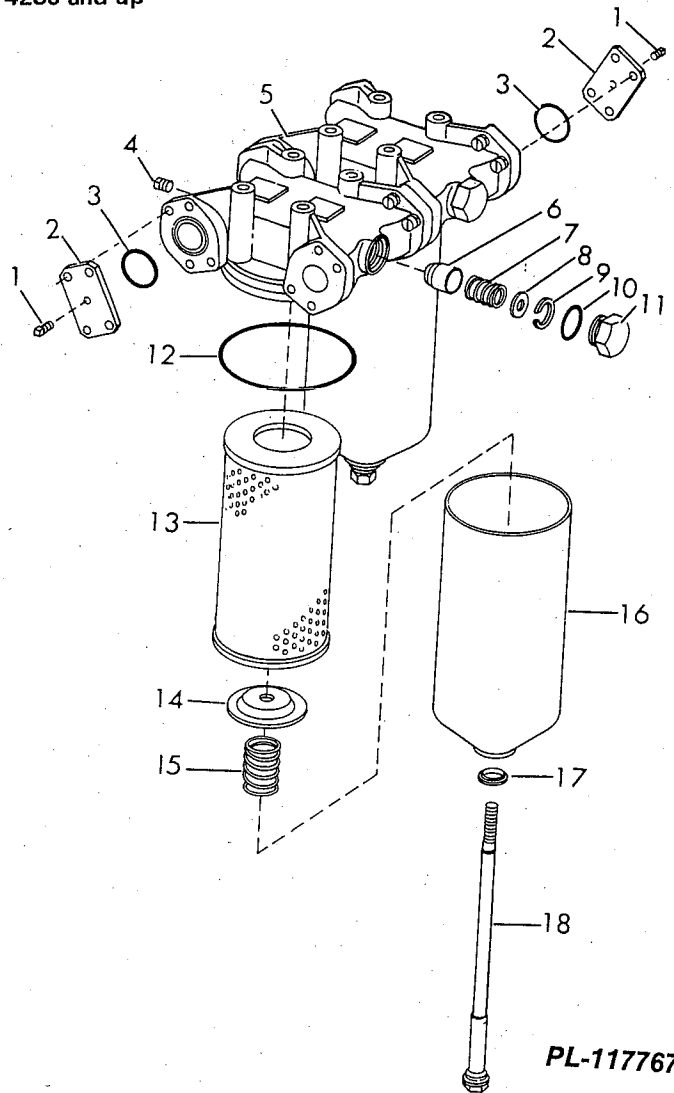
A	619 692 C92	FILTER ASSY., transmission oil pressure (Order filter assy., 707 130 C92) 2429 and below
B	707 130 C92	FILTER ASSY., transmission oil pressure (with indicator port in filter base) 2429 and below, also # and up
C	649 055 C94	FILTER ASSY., transmission oil pressure (without indicator port in filter base) 2430 to #
1		BASE, oil filter (Not furnished separately)
2	3 042 934 R1	"O" RING
3	381 256 R91	ELEMENT, oil filter (A)
3	631 144 C3	ELEMENT, oil filter (B) (C)
4	471 633 R1	SPRING, oil filter compression
5	619 810 C1	BODY, oil filter (A)
5	631 145 C1	BODY, oil filter (B) (C)
6	619 814 C1	WASHER, oil filter body bolt
7	619 812 C1	BOLT, oil filter holddown (A)
7	631 143 C1	BOLT, oil filter holddown (B) (C)
8	338 835 R1	RING, retaining
9	392 953 R1	WASHER (A) (B)
9	103 343	WASHER (C)
10	619 815 C1	SPRING (A) (B)
10	622 663 C1	SPRING (C)
11	381 625 R1	VALVE (A) (B)
11	706 950 C1	VALVE (C)

- Serial Number not available.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION

TRANSMISSION PRESSURE FILTER 4230 and up



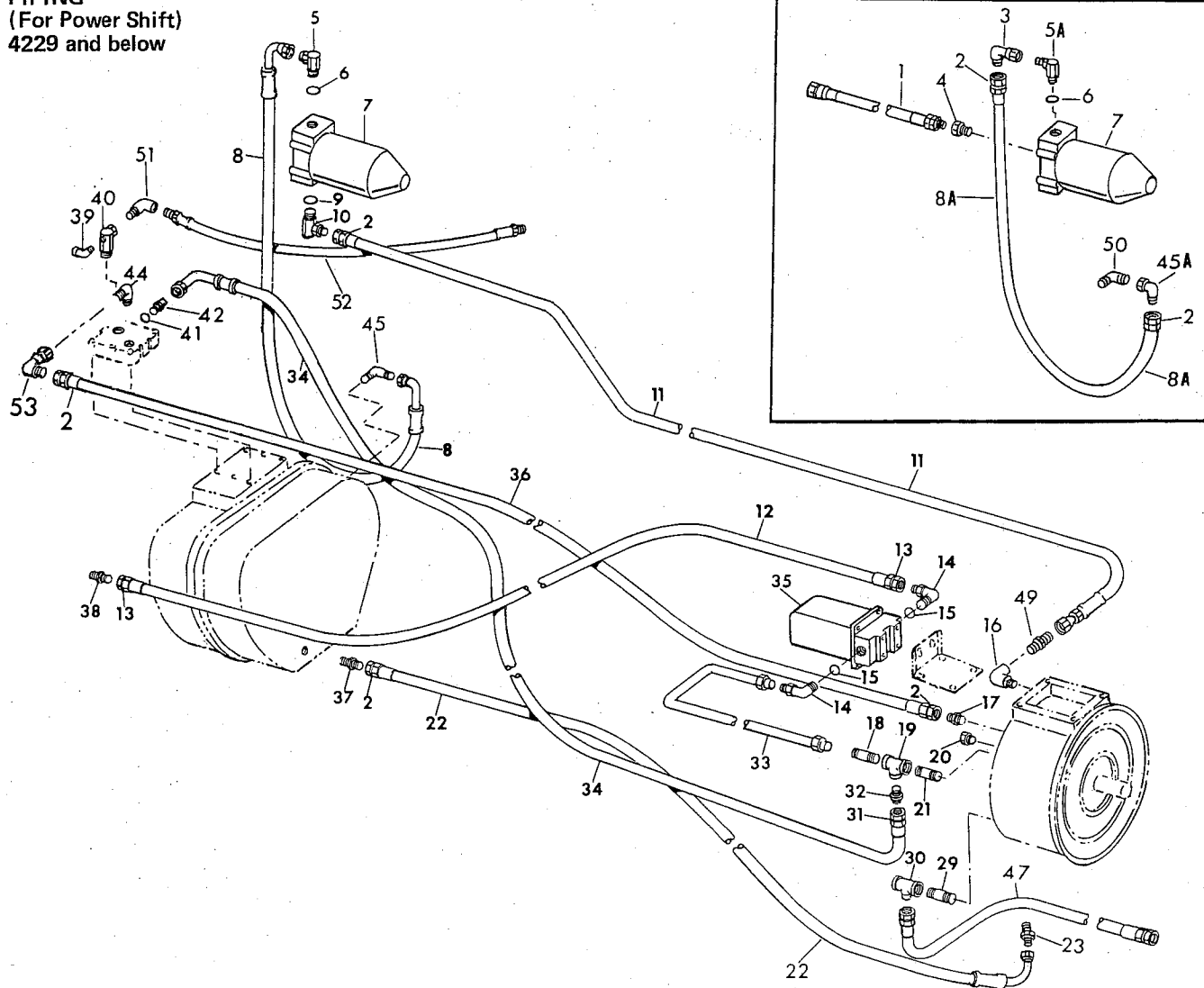
REF. NO.	PART NUMBER	DESCRIPTION
5	715 385 C91	BASE ASSY., filter (2) (Composed of —
		1 BASE \$
		1 RING 338 835 R1
		1 SPRING 622 663 C2
		1 VALVE 706 950 C1
		1 WASHER 103 343)
	24 840 R1	BOLT (6)
	25 544 R1	WASHER, hardened (4)
	343 909 R1	RING, between base sealing (2)
	27 946 R1	SCREW, socket hd, 1-1/2" long (6)
6	706 950 C1	VALVE, filter by-pass (2)
7	622 663 C2	SPRING, by-pass valve (2)
8	103 343	WASHER, flat (2)
9	338 835 R1	RING, retaining (2)
10	296 247 R1	RING, sealing (2)
11	9 410 363	PLUG (2)
12	3 042 934 R1	RING, body sealing (2)
13	1 140 079 C1	ELEMENT, filter (2)
14	1 140 078 C1	SUPPORT, element (2)
15	1 140 077 C1	SPRING, element (2)
16	631 145 C1	BODY, element (2)
17	619 814 C1	WASHER, bolt sealing (2)
18	631 143 C1	BOLT, element body (2)

1	444 692	PLUG (2)
	OR	
1	444 619	PLUG (2)
	OR	
1	444 576	PLUG (2)
2	637 440 C1	COVER, sealing (2)
	27 945 R1	SCREW, socket hd, 3/4" long (2)
	27 946 R1	SCREW, socket hd, 1-1/2" long (6)
	115 314	WASHER, lock (8)
	25 524 R1	NUT (6)
3	343 909 R1	RING, sealing (2)
4	444 692	PLUG (2)

DRIVE TRAIN

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

TORQUE CONVERTER AND TRANSMISSION PIPING (For Power Shift) 4229 and below



CE102966C

1	660 868 C1	HOSE w/two FITTINGS, pressure filter to booster pressure (HOSE, 3/8"ID x 37" long including FITTINGS) (Used with FILTER, 619 692 C92)	4	9 402 708	CONNECTOR, filter outlet to steering booster valve hose 1787 to *
2		FITTING, hose (Not furnished separately)	5	9 410 981	ELBOW, transmission pressure filter outlet w/o pressure filter indicator port (for machines w/o pressure filter indicator or for machines w/the pressure filter indicator ported through the filter header) (used with HOSE 666 364 C1)
3	9 410 283	ELBOW, hose to filter outlet (Used with HOSE, 656 158 C1)			
4	444 000	ADAPTER, pressure filter to booster pressure hose pipe 1786 and below			

* - Serial Number Not Available

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING — Continued (For Power Shift) 4229 and below			15	307 915 R1	RING, suction filter elbow seal (2)
5	666 280 C1	ELBOW, transmission pressure filter outlet w/pressure filter indicator port (also part of ATTACHMENT 636 780 C91) (used with HOSE 666 364 C1)	16	619 670 C1	ELBOW, 90° pump outlet (Used with HOSE, 702 634 C1)
5A	619 717 C1	ELBOW, filter outlet (Used with HOSE, 656 158 C1)	16	454 112	ELBOW, 90° pump outlet (Used with HOSE 630 770 C1 and CONNECTOR, 565 014 R1)
6	296 247 R1	RING, filter outlet elbow seal	17	9 402 711	CONNECTOR, torque converter
7		FILTER ASSY, transmission pressure (Refer to "Pressure Filter")	18	9 402 714	CONNECTOR, pump inlet tee
	140 483 H	BOLT (4)	19	186 553	TEE, pump inlet reducer
	115 093	WASHER, lock (4)	20	444 613	PLUG, decelerator drain tube inlet
	575 807 H1	WASHER, flat (4)	21	127 874	NIPPLE, pump inlet
8	666 364 C1	HOSE w/two FITTINGS, pressure filter to transmission (HOSE, 1" ID x 31" long including FITTINGS) (Used with FILTER, 649 055 C94 or 707 130 C92) * and up	22	702 634 C1	HOSE w/FITTINGS, flywheel housing to transmission (HOSE, 3/4" ID x 21" long including FITTINGS) * and below
8A	656 158 C1	HOSE w/two FITTINGS, pressure filter to transmission (HOSE, 3/4" ID x 26" long including FITTINGS) (Used with FILTER, 619 692 C92) * and below	22	656 158 C1	HOSE w/FITTINGS, flywheel housing to transmission (HOSE, 3/4" ID x 26" long including FITTINGS) * to 1786
9	296 247 R1	RING, filter inlet elbow seal	22	662 438 C1	HOSE w/FITTINGS, flywheel housing to transmission (HOSE, 3/4" ID x 26" long including FITTINGS) 1787 and up
10	619 717 C1	ELBOW, filter inlet (Used with HOSE, 702 634 C1)	23	619 670 C1	ELBOW, 90° flywheel housing outlet (Used w/HOSE, 702 634 C1)
10	9 410 981	ELBOW, transmission pressure filter inlet w/o pressure filter indicator port (used with HOSE 630 770 C1)	23	9 402 828	ELBOW, 45° flywheel housing outlet (Used w/HOSE, 656 158 C1)
10	666 280 C1	ELBOW, transmission pressure filter inlet w/pressure filter indicator port (also part of ATTACHMENT 636 780 C91) (used with HOSE 630 770 C1)	23	9 402 711	CONNECTOR, flywheel housing outlet (Used w/HOSE, 662 438 C1)
11	702 634 C1	HOSE w/two FITTINGS, pump to pressure filter (HOSE, 3/4" ID x 21" long including FITTINGS) * and below	24	308 882 R1	CLAMP, safety filter and regulator inlet hose (2) 666 and below
11	630 770 C1	HOSE w/two FITTINGS, pump to pressure filter (HOSE, 1" ID x 23" long including FITTINGS) (Used * and up		26 099 R1	BOLT (2)
12	702 497 C1	HOSE w/two FITTINGS, sump to suction filter (HOSE, 1-1/4" ID x 32" long including FITTINGS)		115 093	WASHER, lock (2)
13		FITTING, hose (Order HOSE, 702 497 C1) (2)		103 341	WASHER, flat (2)
14	9 410 982	ELBOW, suction filter (2)	25	380 633 R1	CONNECTOR, safety filter hose 666 and below
			26	296 247 R1	RING, hose connector seal (2) 666 and below
			27		FILTER ASSY., safety (For components, see list of parts under details of "Safety Filter") 666 and below
			28	343 797 R91	HOSE w/two FITTINGS; torque converter to safety filter (HOSE, 3/4" ID x 56" long including FITTINGS) 666 and below

* - Serial Number not Available.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING — Continued (For Power Shift) 4229 and below			47		HOSE, torque converter to oil cooler (Refer to "Oil to Air Cooler and Piping") 667 and up
29	190 717	NIPPLE, torque converter outlet	48		FITTING, hose (Order HOSE, 343 797 R91) (2) 666 and below
30	218 251	TEE, torque converter outlet reducing	49	565 014 R1	CONNECTOR, pump elbow outlet (Used with HOSE, 630 770 C1)
31		FITTING, hose (Order HOSE, 619 825 C1)	50	9 402 867	ELBOW, transmission inlet (Used w/HOSE, 656 158 C1)
32	9 402 713	CONNECTOR, regulator drain to pump tee	51	297 581 R91	ELBOW, regulator inlet
33	624 213 C91	TUBE, suction filter to converter	52		HOSE w/two FITTINGS, regulator to cooler (Refer to "Oil to Air Cooler and Piping")
34	619 825 C1	HOSE w/FITTING, regulator drain to torque converter pump (HOSE, 7/8" ID x 50" long including FITTINGS)	53	9 410 283	ELBOW, regulator outlet (Used with HOSE 702 634 C1)
35		FILTER ASSY., suction (For components, see list of parts under details of "Suction Filter")		317 262 R1	CLAMP, regulator hose (On front frame)
36	656 158 C1	HOSE w/FITTINGS, regulator to torque converter (HOSE, 3/4" ID x 26" long including FITTINGS) 1786 and below		26 099 R1	BOLT (2)
				115 093	WASHER, lock (2)
				103 341	WASHER, flat (2)
36	662 438 C1	HOSE w/FITTINGS, regulator to torque converter (HOSE, 3/4" ID x 26" long including FITTINGS) 1787 to *		662 362 C1	CLAMP, regulator inlet hose (2) 667 and up
				24 839 R1	SCREW, hex-hd cap (2)
				115 093	WASHER, lock (2)
				103 341	WASHER, plain (2)
36	702 634 C1	HOSE w/FITTINGS, regulator to Torque Converter (HOSE 3/4" ID x 21" long including FITTINGS) * and up	327 273 R91	STRAP (For cooler hoses) (Below engine support) (2)	
37	9 402 711	CONNECTOR, flywheel housing to transmission hose	327 723 R91	STRAP, safety filter hose 666 and below	
38	9 402 714	CONNECTOR, sump to suction filter hose	679 124 C91	PACKAGE, transmission pressure filter field improvement	
39	606 845 C1	ELBOW, regulator to rear frame cover tube		1 ADAPTER	294 134 R1
40	656 531 C92	ELBOW, regulator inlet swivel		1 ADAPTER	317 783 R1
41	876 109 C1	RING, regulator drain connector seal		1 ANGLE	732 167 C1
42	472 755 R1	CONNECTOR, regulator drain hose		10 BOLT	24 839 R1
43		FITTING, hose (Order HOSE, 619 825 C1)		3 BOLT	24 840 R1
44	9 402 867	ELBOW, regulator outlet		2 BOLT	24 849 R1
45	472 753 R1	ELBOW, pressure filter to transmission (Use with HOSE, 666 364 C1)		4 BOLT	24 850 R1
45A	9 410 283	ELBOW, pressure filter to transmission hose swivel (Used with HOSE, 656 158 C1)		2 BOLT	24 854 R1
				3 BOLT	24 859 R1
				6 BOLT	24 861 R1
				20 BOLT	24 862 R1
				2 BOLT	26 673 R1
				2 BOLT	27 957 R1
				10 BOLT	140 483 H
46	659 074 C1	ELBOW, 45° filter outlet 666 and below		§ 1 BOSS	
				1 BRACKET	732 180 C1
				1 CLAMP	326 296 R1
				2 CLIP	362 666 R1
				1 COVER	732 173 C1
				1 DOOR	732 165 C1

* - Serial Number Not Available

§ - Not furnished separately.

DRIVE TRAIN

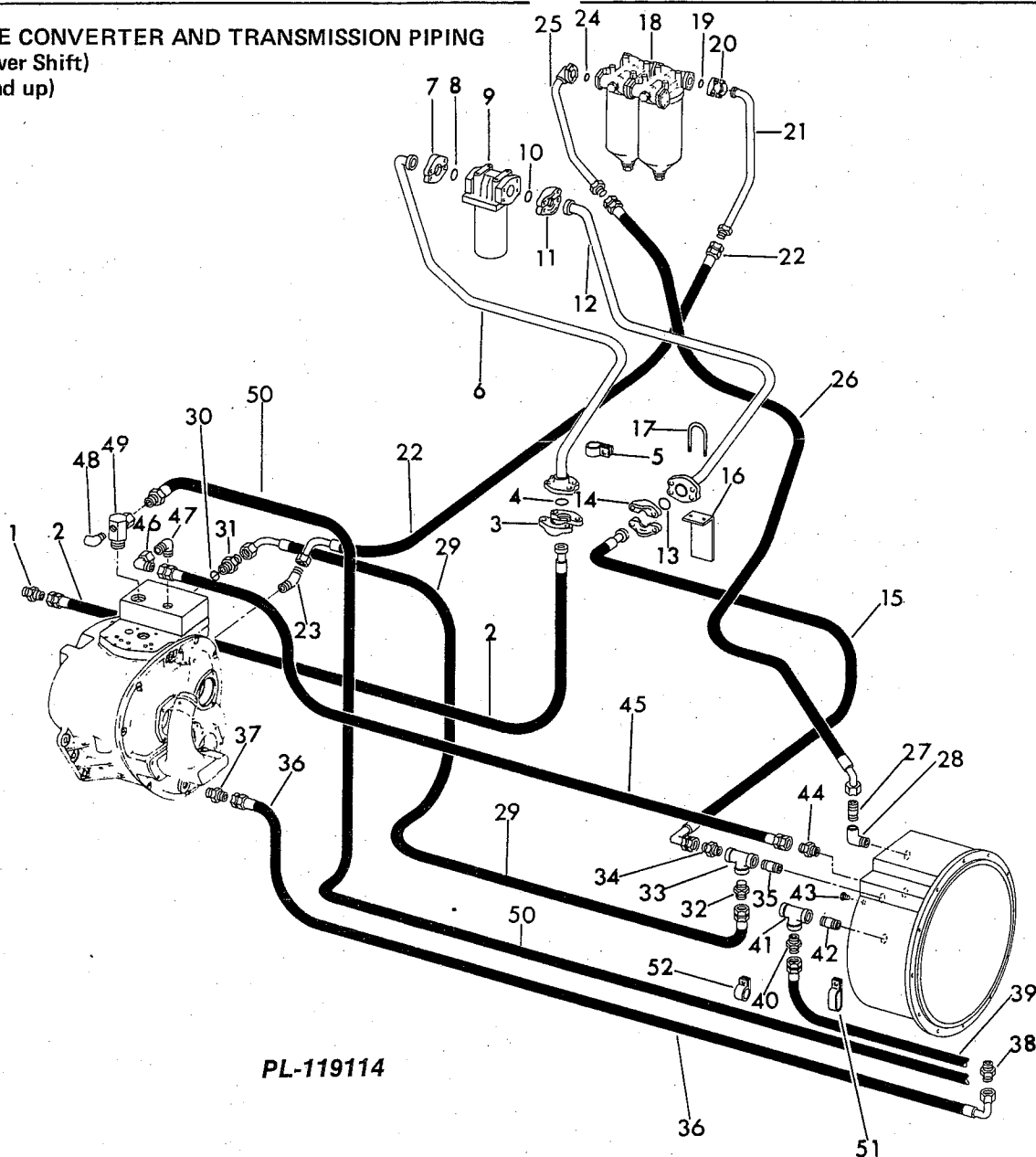
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING					
—Continued					
4229 and below					
	1	DRAWING		CZG 1643	
	1	DRAWING		CZG 3258	
	1	DRAWING		CZG 3369	
	1	DRAWING		CZG 3370	
	1	DRAWING		CZG 3764	
	1	DRAWING		CZG 3765	
	1	DRAWING		IZG 6882	
	1	ELBOW		321 387 R1	
	1	ELBOW		346 737 R1	
	1	ELBOW	9	402 823	
	1	ELBOW	9	409 927	
	1	FILTER		715 140 C91	
	1	FILTER		715 315 C91	
	2	FLANGE		290 045 R1	
	4	FLANGE		300 525 R1	
	4	FLANGE		301 844 R1	
	§ 1	GUSSET			
	1	HANDLE		732 137 C1	
	1	HOSE		653 527 C1	
	1	HOSE		732 496 C1	
	1	HOSE		733 004 C1	
	1	HOSE		733 005 C1	
	1	HOSE		733 443 C1	
	1	HOSE		736 705 C1	
	2	HOSE		740 285 C1	
	1	INDICATOR		715 647 C1	
	2	INSULATOR		715 753 C1	
	12	NUT		25 522 R1	
	6	NUT		25 526 R1	
	§ 3	NUT			
	§ 1	NUT			
	2	"O"RING		343 909 R1	
	2	"O"RING		343 921 R1	
	2	"O"RING		343 923 R1	
	1	PLATE		732 158 C1	
	1	PLATE		740 417 C1	
	§ 1	PLATE			
	1	ROD		637 444 C91	
	1	SHEET		732 156 C1	
	1	SHIELD		732 169 C1	
	5	STRAP		306 132 C1	
	1	SUPPORT		732 162 C1	
	1	SUPPORT		732 164 C1	
	2	TREAD		604 021 C1	
	1	TUBE		732 174 C1	
	1	TUBE		732 175 C1	
	1	TUBE		732 176 C1	
	1	TUBE		732 177 C1	
	1	"U"BOLT		U18 806	
	14	WASHER		25 534 R1	
	2	WASHER		25 542 R1	
	19	WASHER		25 544 R1	
	2	WASHER		25 545 R1	
	19	WASHER		25 546 R1	
	19	WASHER		115 093	
	10	WASHER		115 314	
	16	WASHER		116 121	

§ - Not Furnished Separately.

DRIVE TRAIN

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

TORQUE CONVERTER AND TRANSMISSION PIPING (For Power Shift) (4230 and up)



1	9 402 714	CONNECTOR, sump to suction filter hose	7	300 525 R1 24 862 R1 116 121	FLANGE, half split (2) BOLT (4) WASHER, lock
2	733 004 C1	HOSE w/two FITTINGS, sump to suction filter(HOSE, 1-1/4" ID x 19-1/2' long including FITTINGS)	8	343 923 R1	RING, sealing
3	301 844 R1 24 862 R1 116 121	FLANGE, half, split (2) BOLT (4) WASHER, lock (4)	9		FILTER ASSY, suction (Refer to "Suction Filter")
4	343 921 R1	RING, sealing	10	343 923 R1	RING, sealing
5	326 296 R1 24 839 R1 25 544 R1 115 093	CLAMP, suction filter inlet tube BOLT WASHER, hardened WASHER, lock	11	300 525 R1 24 862 R1 116 121	FLANGE, half split (2) BOLT (4) WASHER, lock (4)
6	732 174 C1	TUBE, hose to suction strainer	12	732 175 C1	TUBE, suction strainer outlet
			13	343 921 R1	RING, sealing

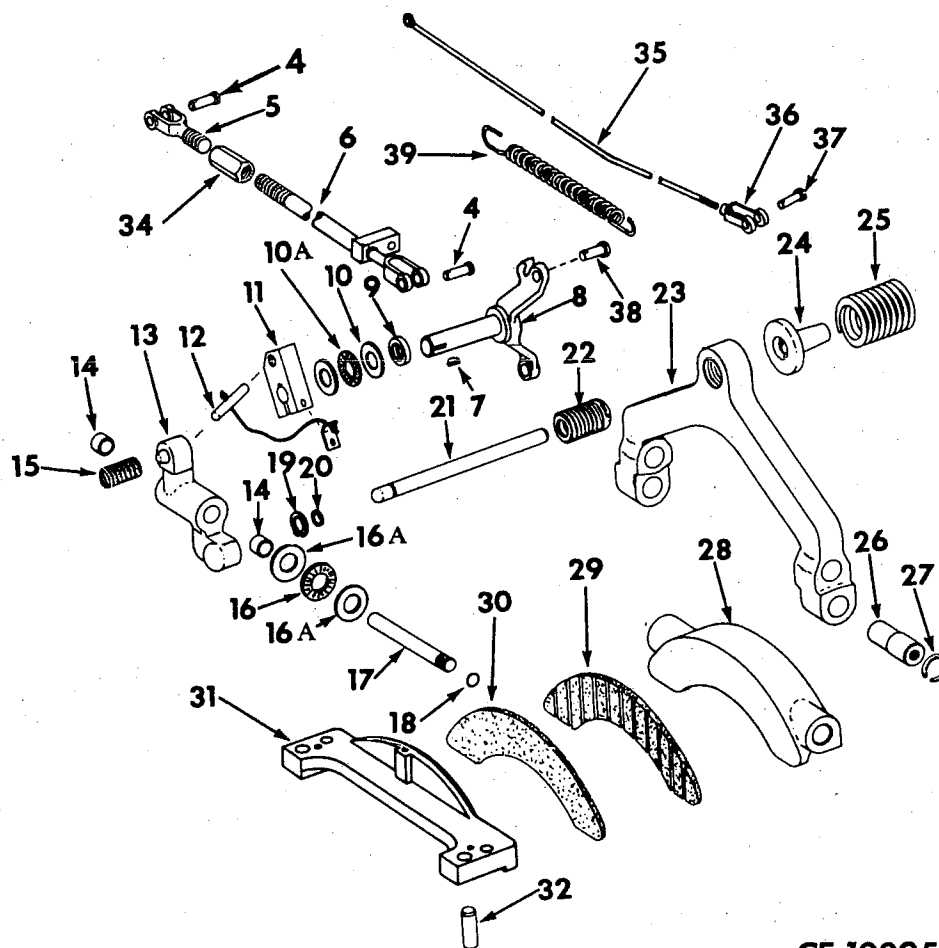
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER AND TRANSMISSION PIPING			31	472 755 R1	CONNECTOR, regulator drain
— Continued			32	9 402 713	CONNECTOR, regulator drain to pump tee
(For Power Shift)			33	186 553	TEE, pump inlet reducer
4230 and up			34	9 402 714	CONNECTOR, pump inlet tee
14	301 844 R1 24 862 R1 116 121	FLANGE, half split (2) BOLT (4) WASHER, lock (4)	35	127 878	NIPPLE, pump inlet
15	733 005 C1	HOSE w/FITTINGS, suction strainer tube to torque converter (HOSE 1-1/4" ID x 14-1/2" long including FITTINGS)	36	662 438 C1	HOSE w/FITTINGS, flywheel housing to transmission (HOSE, 3/4" ID x 26" long including FITTINGS)
16	732 180 C1 24 862 R1 25 526 R1 25 546 R1	BRACKET, suction strainer outlet tube BOLT (2) NUT (2) WASHER, hardened (4)	37	9 402 711	CONNECTOR, flywheel housing to transmission
17	U 18 806 25 522 R1 115 093	"U" BOLT NUT (2) WASHER, lock (2)	38	9 402 711	CONNECTOR, flywheel housing outlet
18	24 839 R1 25 544 R1	FILTER ASSY., transmission pressure (Refer to "Transmission Pressure Filter") BOLT (4) WASHER, hardened (4)	39		HOSE, torque converter to oil cooler (Refer to "Oil to Air Cooler and Piping")
19	343 909 R1	RING, sealing	40	9 402 711	CONNECTOR, tee to oil cooler
20	290 045 R1 24 850 R1 115 314	FLANGE, half split (2) BOLT (4) WASHER, lock (4)	41	218 251	TEE, torque converter outlet reducing
21	732 177 C1	TUBE, pressure filter outlet	42	192 082	NIPPLE, torque converter outlet
22	733 443 C1	HOSE w/FITTINGS, pressure filter to transmission (HOSE 1" ID x 29" long including FITTINGS)	43	444 613	PLUG, decelerator drain tube inlet
23	321 387 R1	ELBOW, 45° transmission inlet	44	9 402 711	CONNECTOR, torque converter inlet
24	343 909 R1	RING, sealing	45	702 634 C1	HOSE w/FITTINGS, regulator to Torque Converter (HOSE, 3/4" ID x 21" long including FITTINGS)
25	732 176 C1 27 957 R1 24 854 R1	TUBE, pressure filter inlet BOLT (2) BOLT (2)	46	9 410 283	ELBOW, regulator outlet swivel
26	736 705 C1	HOSE w/FITTINGS, torque converter to pressure filter (HOSE 1" ID x 46" long including FITTINGS)	47	9 402 867	ELBOW, regulator outlet
27	565 014 R1	CONNECTOR, pump elbow outlet	48	606 845 C1	ELBOW, regulator to rear frame cover tube
28	454 112	ELBOW, 90° pump outlet	49	656 531 C92	ELBOW, regulator cooler inlet
29	619 825 C1	HOSE w/FITTINGS, regulator drain to torque converter pump (HOSE, 7/8" ID x 50" long including FITTINGS)	50		HOSE, cooler to regulator (Refer to "Oil to Air Cooler and Piping")
30	876 109 C1	RING, sealing	51	662 362 C1 140 483 H 315 972 R1 25 534 R1 115 093	CLAMP, regulator inlet and torque converter outlet (On front frame) BOLT SPACER WASHER, flat WASHER, lock
			52	608 868 C1	CLAMP, regulator inlet hose (On front frame)

DRIVE TRAIN

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

STEERING CLUTCHES



CE-102959

4	103 498 103 386	PIN, rod end (4) PIN, 1/8 x 1-1/4" cotter (4)	11	325 182 R1	LEVER, LH bellcrank push rod
5	338 019 R11 219 753	ROD, steering clutch pull (Short) (2) NUT, NF jam (2)	11	325 183 R1 24 864 R1 116 121	LEVER, RH bellcrank push rod SCREW, hex-hd cap (2) WASHER, lock (2)
6	341 719 R91 20 097 R1	ROD, steering clutch pull (Long) (2) NUT, NF jam (LH thread) (2)	12	325 576 R93	ROD and ANCHOR, bellcrank push (2)
7	659 780 C1	KEY, bellcrank push rod lever (2)	13	612 727 C11	BELLCRANK w/two BUSHING, 325 180 R1, LH clutch fork push rod
8	334 825 R11	LEVER, outer LH bellcrank push rod	13	612 728 C11	BELLCRANK w/two BUSHING, 325 180 R1, RH clutch fork push rod
8	334 826 R11	LEVER, outer RH bellcrank push rod	14	325 180 R1	BUSHING, bellcrank clutch fork push rod (4)
9	324 014 R91	OIL SEAL, bellcrank push rod lever (2)	15	325 575 R1	SPRING, steering clutch bellcrank return
10	306 970 R1	RACE, clutch fork bellcrank push rod bearing (4)			
10A	368 372 R91	BEARING, clutch fork bellcrank push rod needle (2)			

DRIVE TRAIN

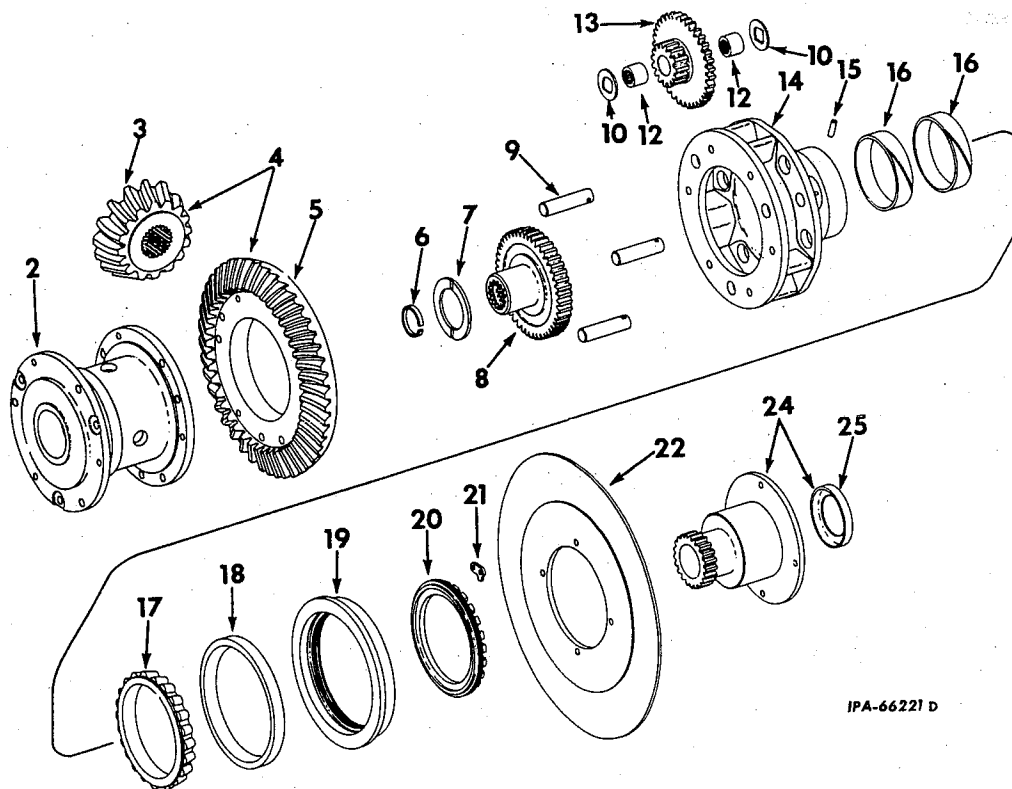
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING CLUTCHES — Continued					
16	368 372 R91	BEARING, clutch fork bellcrank push rod needle (2)	38	33 557 V 103 385	PIN, front booster pivot (2) PIN, cotter (2)
16A	306 970 R1	RACE, clutch fork bellcrank push rod bearing (4)	39	331 988 R1	SPRING, booster piston return (2)
17	325 181 R1	SHAFT, clutch fork push rod bellcrank (2)		331 910 R91	PACKAGE, brake shoe lining field service (Consists of four LINING, 331 911 R21, sixteen RIVET, 20 077 R1 and thirty-two RIVET, 19 685 R1) (x)
	25 496 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	423 181 R1	WASHER, bellcrank shaft retainer (2)		20 077 R1	RIVET, brake shoe (3/16 x 1" tubular) (Part of PACKAGE, 331 910 R91) (16)
18	350 684 R1	"O" RING, bellcrank shaft (3/4 x 1 x 1/8") (2)		19 685 R1	RIVET, brake shoe (Part of PACKAGE, 331 910 R91) (32)
19	321 985 R1	RING, clutch fork push rod bellcrank snap (2)			
20	154 665 R1	RING, clutch fork push rod snap (2)			
21	325 177 R2	ROD, clutch fork push (2)			
22	345 667 R2	SCREW, clutch shoe adjuster (2)			
23	345 668 R2	FORK, steering clutch (2)			
24	325 175 R2	RETAINER, clutch pressure spring (2)			
25	338 132 R4	SPRING, steering clutch pressure (2)			
26	325 173 R3	PIN, clutch fork (8)			
27	324 000 R1	RING, clutch fork pin snap (4)			
28	325 171 R12	SHOE w/LINING, clutch (2)			
29	331 911 R21	LINING, clutch (Part of PACKAGE, 331 910 R91) (2)			
30	331 911 R21	LINING, clutch back-up shoe (Part of PACKAGE, 331 910 R91) (2)			
31	343 074 R12	SHOE w/two DOWEL, 250 868 R1 and LINING, LH clutch back-up			
31	343 075 R12	SHOE w/two DOWEL, 250 868 R1 and LINING, RH clutch back-up			
	24 876 R1	SCREW, 5/8 x 2-1/4" hex-hd cap (4)			
32	19 968 R1	DOWEL, clutch back-up shoe (4)			
34	338 017 R1	TURNBUCKLE, steering clutch pull rod (2)			
35	334 829 R11	ROD, steering booster valve operating (2)			
	103 373	PIN, cotter (2)			
36	104 038	CLEVIS, booster valve operating rod (2)			
	114 494	NUT, NF (2)			
37	103 496	PIN, rod end (2)			
	103 362	PIN, cotter (2)			

(x) - As Required.

DRIVE TRAIN

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

STEERING PLANETARY DRIVE



IPA-66221 D

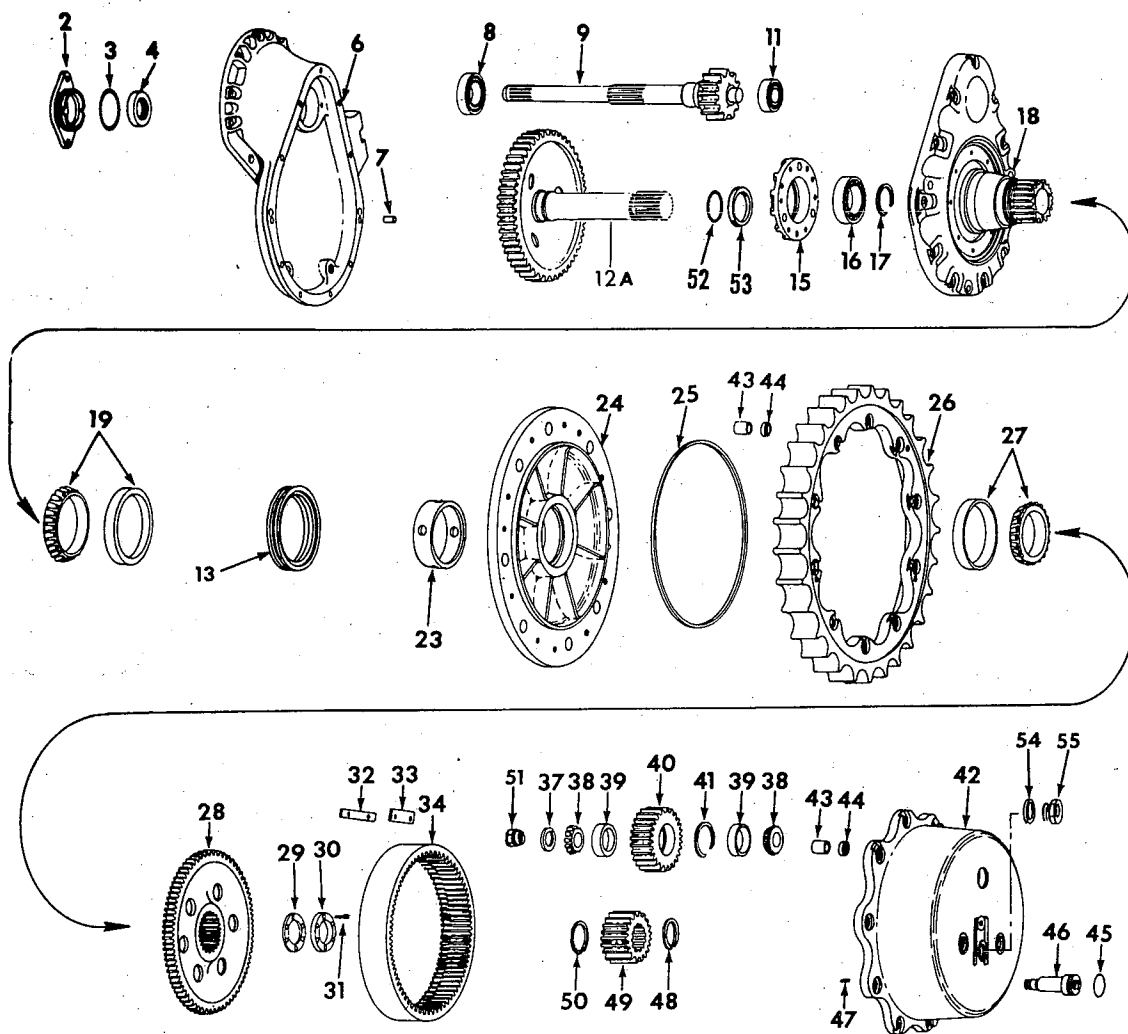
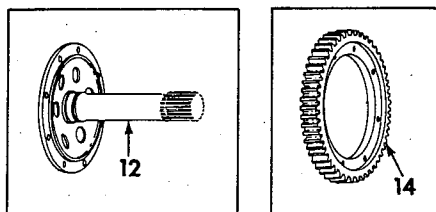
2	624 456 C1 330 912 R1 325 166 R1 325 168 R1 9 412 230	CARRIER, bevel gear BOLT, bevel gear carrier (3) BOLT, planet carrier dowel (3) BOLT, bevel gear dowel (6) NUT, Esna lock (12)	16	325 309 R91	BUSHING, planet gear carrier (4)
3	325 055 R1	PINION, drive bevel (*)	17		CONE, bevel gear carrier roller bearing (Order BEARING, 338 260 R91) (2)
4	331 786 R91	GEAR, 334 226 R1 and PINION, 325 055 R1, drive bevel (Matched set)	18		CUP, bevel gear carrier roller bearing (Order BEARING, 338 260 R91) (2)
5	334 226 R1	GEAR, drive bevel	19	624 452 C1	CAGE, bevel gear carrier bearing (2)
6	325 151 R1	RING, sprocket drive pinion shaft gear snap (2)	20	624 453 C1	NUT, bevel gear carrier adjuster (2)
7	321 975 R1	WASHER, bevel gear carrier thrust (2)	21	325 158 R1	LOCK, bevel gear carrier adjuster nut (2)
8	624 451 C1	GEAR, sprocket drive pinion shaft (2)		25 752 R1 115 109	SCREW, hex-hd cap (4) WASHER, lock (4)
9	325 153 R1	SHAFT, gear cluster (6)	22	325 161 R2 325 162 R1 17 234 R1	DISC, brake (2) BOLT, brake disc dowel (8) NUT, brake disc dowel bolt (8)
10	612 733 C2	WASHER, planet gear cluster thrust (12)	24	700 293 C91	HUB w/RING, 325 163 R1, sun gear and clutch disc (2)
12	321 981 R91	BEARING, planet gear cluster (12)	25	325 163 R1	RING, sun gear and clutch hub oil collector (2)
13	325 152 R1	CLUSTER, planet gear (6)		338 260 R91	BEARING w/CUP and CONE, bevel gear carrier (2)
14	624 455 C91	CARRIER w/two BUSHING, 325 309 R91, planet gear (2)			
15	617 937 R1	PIN, planet gear cluster shaft (6)			

(*) - Also illustrated with "Bevel Pinion Shaft,
Spline Shaft and Related Parts."

DRIVE TRAIN

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

SPROCKET DRIVE AND SPROCKET



CE-102961A

2	325 275 R3 24 861 R1 26 273 R1	RETAINER, pinion gear oil seal (2) SCREW, hex-hd cap (4) WASHER, lock (4)	20 890 R1	SCREW, 2-1/4" long (Nylon pellet) hex-hd cap (14) 1591 to %
3	468 339 R1	"O" RING, pinion gear seal retainer (4 x 4-1/4 x 1/8") (2)	24 889 R1	SCREW, 2-1/4" long (pln) hex-hd cap (14) % and up
4	610 867 C92	OIL SEAL, pinion gear (2)	25 538 R1	WASHER, hardened (14) 1591 and up
6	628 055 C92	CARRIER w/two DOWEL, 19 894 R1 three PLUG, 104 940 and two PLUG, 104 941, LH sprocket drive (Not For Low Ground Pressure)		
	104 940	PLUG, 5/8" (3)		
	104 941	PLUG, 11/16" (2)		
	320 185 C1	PLUG, sq-soc pipe		
	24 888 R1	SCREW, 2" long hex-hd cap (14) 1590 and below		

% - Serial Number not Available.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION

SPROCKET DRIVE AND SPROCKET — Continued

6	628 056 C92	CARRIER w/two DOWEL, 19 894 R1 three PLUG, 104 940 and two PLUG, 104 941, RH sprocket drive (Not For Low Ground Pressure)
	104 940	PLUG, 5/8" (3)
	104 941	PLUG, 11/16" (2)
	320 185 C1	PLUG, 3/4" sq-soc pipe
	24 888 R1	SCREW, 2" long hex-hd cap (14) 1590 and below
	20 890 R1	SCREW, 2-1/4" long (Nylon pellet) hex-hd cap (14) 1591 to %
	24 889 R1	SCREW, 2-1/4" long (pln) hex- hd cap (14) % and up
	25 538 R1	WASHER, hardened (14) 1591 and up
6	716 611 C91	CARRIER w/two DOWEL, 19 894 R1, three PLUG, 104 940 and two PLUG 104 939, LH sprocket drive (For Low Ground Pressure)
	24 889 R1	BOLT (14)
	25 538 R1	WASHER (14)
6	716 612 C91	CARRIER w/two DOWEL, 19 894 R1, three PLUG, 104 940 and two PLUG, 104 939, RH sprocket drive (For Low Ground Pressure)
	24 889 R1	BOLT (14)
	25 538 R1	WASHER (14)
7	19 894 R1	DOWEL (4)
8	631 632 C91	BEARING, pinion gear inner (2)
9	654 718 C1	PINION, sprocket drive (2) (Not For Low Ground Pressure)
9	716 613 C1	PINION, sprocket drive (For Low Ground Pressure) (2)
11	631 634 C91	BEARING, pinion gear outer (2)
12	612 783 C95	CARRIER, sprocket drive gear (Order GEAR w/SHAFT, 716 913 C1)(2)
	24 876 R1	BOLT (32)
	9 412 231	NUT (32)
12A	716 913 C1	GEAR w/SHAFT, sprocket drive (2)
13	662 600 C91	SEAL, sprocket carrier (Crane) (2)
	OR	
13	662 594 C91	SEAL, sprocket carrier (Chicago Rawhide) (2)
	OR	
13	662 587 C92	SEAL, sprocket carrier (Cartriseal) (2)
13	662 633 C91	KIT, sprocket carrier seal (For repair of SEAL, 662 600 C91) (Consists of two WASHERS, two WIPERS and INSTRUCTION PAMPHLET) (x)

REF. NO.	PART NUMBER	DESCRIPTION

13	661 636 C91	KIT, sprocket carrier seal (For repair of SEAL, 662 594 C91) (Consists of two WASHERS, two WIPERS and INSTRUCTION PAMPHLET) (x)
13	662 610 C92	KIT, sprocket carrier seal (For repair of SEAL, 662 587 C92) (Consists of two WASHERS, two WIPERS and INSTRUCTION PAMPHLET) (x)
14	325 276 R2	GEAR, sprocket drive (Order GEAR w/SHAFT, 716 913 C1) (2)
15	325 283 R2	RETAINER, sprocket drive gear bearing (Together with BEARING, 324 027 R91, will work for RETAINER, 325 283 R1) (2)
	25 505 R1	SCREW, hex-hd cap (12)
	114 608	WASHER, ext tooth lock (12)
16	324 027 R91	BEARING, sprocket drive gear (2)
17	331 867 R1	RING, sprocket drive gear bearing snap (2)
18	616 121 C41	COVER w/three PLUG, 104 940, sprocket drive carrier (2) 1626 and below
	104 940	PLUG, No. 4 cork (6)
18	705 164 C91	COVER w/four PLUG, 104 938, sprocket drive carrier (2) 1627 to 2061
18	705 190 C91	COVER w/four PLUG, 104 938, sprocket drive carrier (2) 2062 and up
	104 938	PLUG, No. 2 cork (8)
	24 878 R1	SCREW, hex-hd cap (22)
	25 537 R1	WASHER, hardened (22)
19	338 260 R91	BEARING, sprocket drive inner roller (2)
23	331 869 R1	SPACER, sprocket drive cover bearing (2)
24	616 125 C3	CARRIER, sprocket (2) 2511 and below
24	662 796 C1	CARRIER, sprocket (2) 2512 and up
25	324 044 R1	RING, planet carrier sealing (2)
26	624 498 C91	SPROCKET w/three PLUG, 104 939 and six WASHERS, 25 547 R1) (2) 2511 and below
	609 298 C1	WASHER, hardened (12)
	104 939	PLUG, NO. 4 cork (6)
	24 875 R1	SCREW, 5/8 x 2" hex-hd cap (12)
	24 878 R1	SCREW, 5/8 x 2-3/4" hex-hd cap (8)

% - Serial Number not Available.
(x) - As Required.

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SPROCKET DRIVE AND SPROCKET — Continued					
26	707 720 C91	SPROCKET w/three PLUG, 104 939 (2) 2512 and up	42	709 541 C91	CARRIER w/three PLUG, 104 940, planet gear (2) 2511 and below
	25 693 R1	SCREW, hex-hd cap (10)		320 185 C1	PLUG, sq-soc (2)
	25 539 R1	WASHER, hardened (10)		104 940	PLUG, cork (6)
	104 939	PLUG, No. 4 cork (3)		24 875 R1	BOLT, 2" long (12)
				24 878 R1	BOLT, 2-3/4" long (8)
26	662 553 C91	SPROCKET w/three PLUG, 104 939 and six WASHER, 25 547 R1, narrow pitch (Part of ATTACHMENT, 629 706 C91) (2) 2511 and below	42	662 849 C91	CARRIER w/three PLUG, 104 940, planet gear (Order CARRIER, 662 849 C92 and three SHAFT, 705 483 C1) (2) 2512 to 3610 and 3614
	104 939	PLUG, No. 4 cork (3)		320 185 C1	PLUG, sq-soc (2)
	24 875 R1	SCREW, 2" long hex-hd cap (6)		104 940	PLUG, cork (6)
	24 878 R1	SCREW, 2-3/4" long hex-hd cap (4)		25 693 R1	BOLT (20)
	25 547 R1	WASHER, hardened (6)		25 539 R1	WASHER, hardened (20)
26	707 787 C91	SPROCKET, narrow pitch w/three PLUG, 104 939 (Part of ATTACHMENT, 662 859 C91) (2) 2512 and up	42	662 849 C92	CARRIER w/three PLUG, 104 940, planet gear (2) 3611 and up except 3614
		SCREW, hex-hd cap (20)		320 185 C1	PLUG, sq-soc (2)
		WASHER, hardened (20)		104 940	PLUG, cork (6)
				25 693 R1	BOLT (20)
				25 539 R1	WASHER, hardened (20)
27	343 500 R91	BEARING, outer sprocket drive (2)	43	325 297 R1	DOWEL, planet carrier and sprocket (16) 2511 and below
28	331 870 R2	HUB, sprocket drive ring (2)			
29	331 864 R1	SHIM, bearing retainer (.0149") (x)	44	325 287 R1	WASHER, dowel (16) 2511 and below
29	331 865 R1	SHIM, bearing retainer (.0070") (x)			
29	331 866 R1	SHIM, bearing retainer (.0040") (x)	45	382 432 R1	"O" RING, planet gear shaft (2 x 2-1/4 x 1/8") (6)
30	611 241 C1	PLATE, bearing retainer (2)			
31	25 336 R1	SCREW, hex-hd (12)	46	612 684 C1	SHAFT, planet gear (Order CARRIER, 709 541 C91 and three SHAFT, 705 483 C1) (6) 2511 and below
32	309 816 R1	LOCK, retainer plate bolt (6)			
	24 840 R1	SCREW, hex-hd cap (12)	46	612 684 C1	SHAFT, planet gear (Order CARRIER, 662 849 C92 and three SHAFT, 705 483 C1) (6) 2512 to 3610 and 3614
33	309 815 R1	PLATE, sprocket drive ring gear retainer (6)			
34	331 887 R2	GEAR, sprocket drive ring (2)	46	705 483 C1	SHAFT, planet gear (6) 3611 and up except 3614
37	334 773 R1	SPACER, planet gear bearing (6)			
38	290 808 R91	CONE, planet gear roller bearing (12)	47	141 199	PIN, planet gear shaft lock (6)
39	61 336 R1	CUP, planet gear roller bearing (12)	48	331 867 R1	RING, sun gear retainer snap (2)
40	334 770 R1	GEAR, planet (6)	49	331 871 R2	GEAR, sun (2)
41	336 447 R1	RING, planet gear bearing snap (6)	50	331 867 R1	RING, sun gear retainer snap (2)
42	612 685 C11	CARRIER w/three PLUG, 104 940, planet gear (Order CARRIER, 709 541 C91 and three SHAFT, 705 483 C1) (2) 2511 and below	51	709 928 C1	NUT, planet gear shaft (Esna) (6)
	320 185 C1	PLUG, sq-soc (2)			
	104 940	PLUG, cork (6)			
	24 875 R1	BOLT, 2" long (12)			
	24 878 R1	BOLT, 2-3/4" long (8)			

(x) - As Required.

NOTE 3 - Field application - Order through regular parts channels.

DRIVE TRAIN

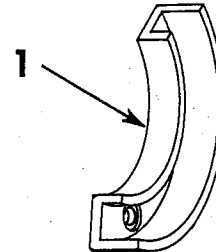
REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION

SPROCKET DRIVE AND SPROCKET - Continued

SPROCKET DRIVE COVER SEAL GUARD (For Manual Shift and Power Shift)

52	707 220 R1	"O" RING, carrier spacer (3 x 3-1/4 x 1/8") (2)
53	628 289 C1	SPACER, carrier (2)
54	272 925 R1	GASKET, oil level plug (2)
55	324 907 R1	PLUG, sq-soc oil level (2)
	319 922 R1 or 360 610 R1	RING, break cooling port seal (2)
	654 706 C1	DAM, oil (2)
	324 045 R1	RING, sprocket drive carrier sealing 1556 and below
	629 706 C91	ATTACHMENT, narrow sprocket (7.5 pitch) (See NOTE 3) 2511 and below (Consists of - 8 DOWEL 325 297 R1 12 SCREW 24 875 R1 8 SCREW 24 878 R1 2 SPROCKET 662 553 C91 8 DOWEL 325 297 R1)
	662 859 C91	ATTACHMENT, narrow sprocket (7.5 pitch) (See NOTE 3) 2512 and up (Consists of - 2 SPROCKET 662 858 C1 20 SCREW 25 693 R1 20 WASHER 277 606 R1)



CE-105829

1	705 173 C1	SECTOR, guard ring (2) 1627 to 2061
	25 272 R1	SCREW, hex-hd cap (8)
1	659 642 C1	SECTOR, guard ring (2) 2062 and up
	25 272 R1	SCREW, hex-hd cap (8)
	629 746 C91	ATTACHMENT, guard ring sector (Consists of two SECTOR, 659 642 C1 and eight SCREW, 25 272 R1) (See NOTES 1 and 3) 2062 and up

NOTE: 1 Factory Application - Order On
Machine Order Form.

NOTE 3: Field application - Order through
regular parts channels.

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

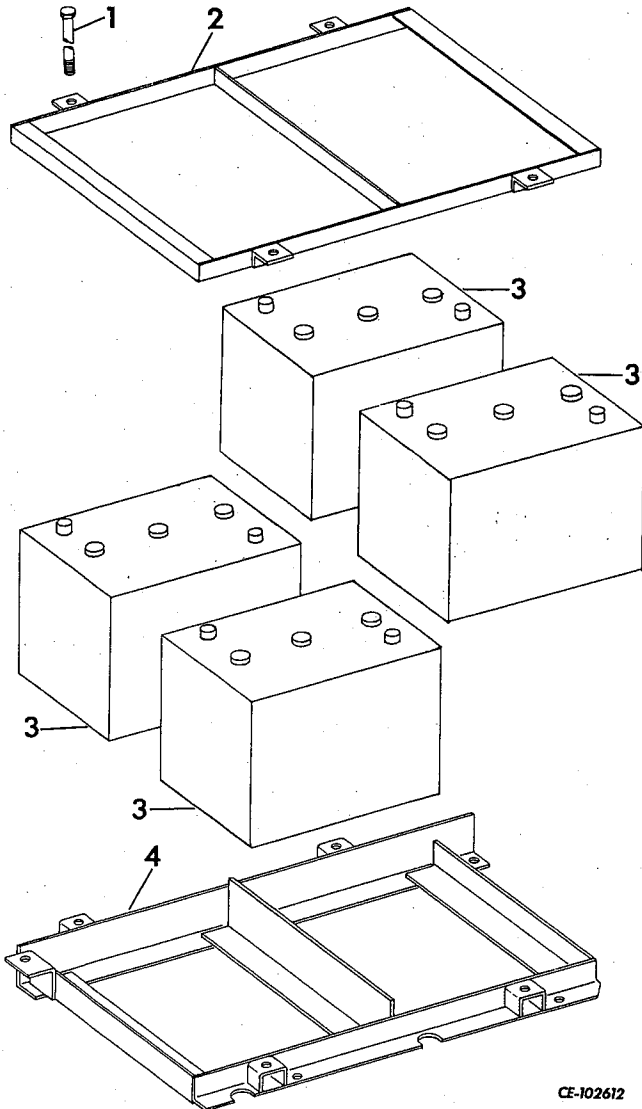
ELECTRICAL

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ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

BATTERIES AND MOUNTING



CE-102612

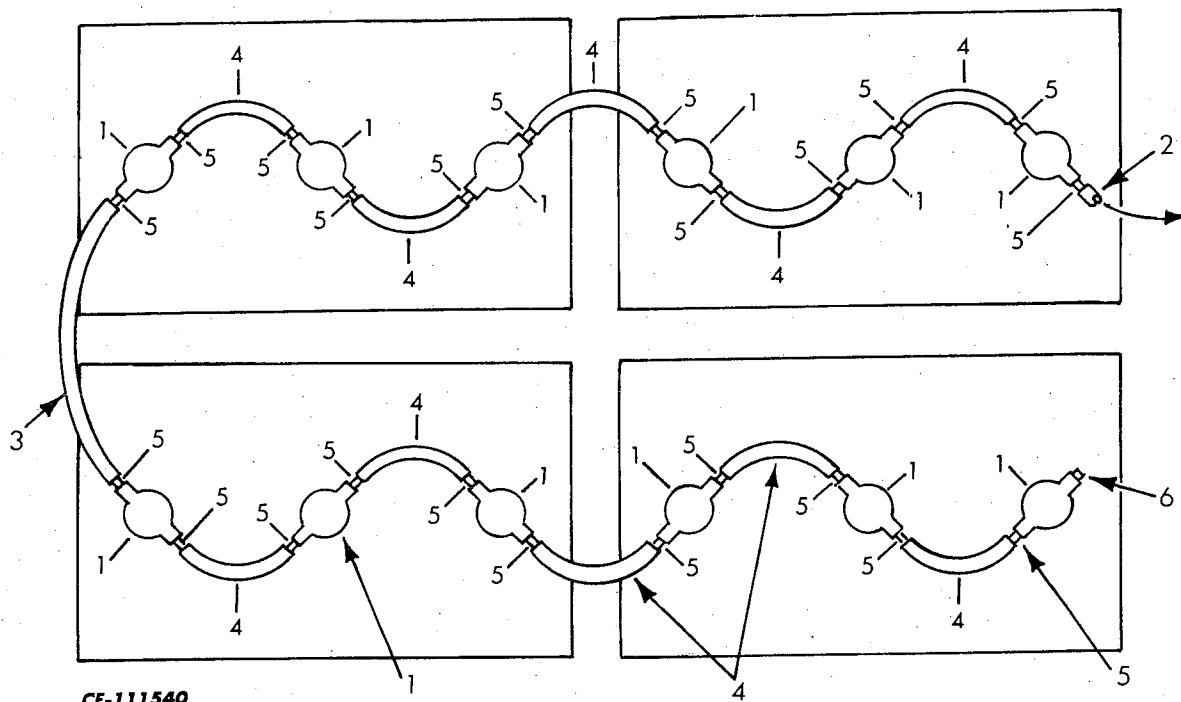
REF. NO.	PART NUMBER	DESCRIPTION

1	25 759 R1 115 093 25 535 R1	BOLT, battery holddown (4) WASHER, lock (4) WASHER, flat (4)
2	603 481 C91	FRAME, battery holddown
3	IHPF2	BATTERY (6 volt)(Dry Charge) (4)
4	603 478 C91 25 524 R1 24 840 R1 70 427 R1 115 314 25 534 R1 25 535 R1 115 093	SUPPORT, battery NUT (2) SCREW, 3/8" hex-hd cap (2) SCREW, 7/16" hex-hd cap (2) WASHER, 7/16" lock (2) WASHER, 15/32" flat (2) WASHER, 7/16" flat (2) WASHER, 3/8" lock (2)

ELECTRICAL

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

BATTERY BOX VENTING (Used w/Machines Equipped w/Cab)



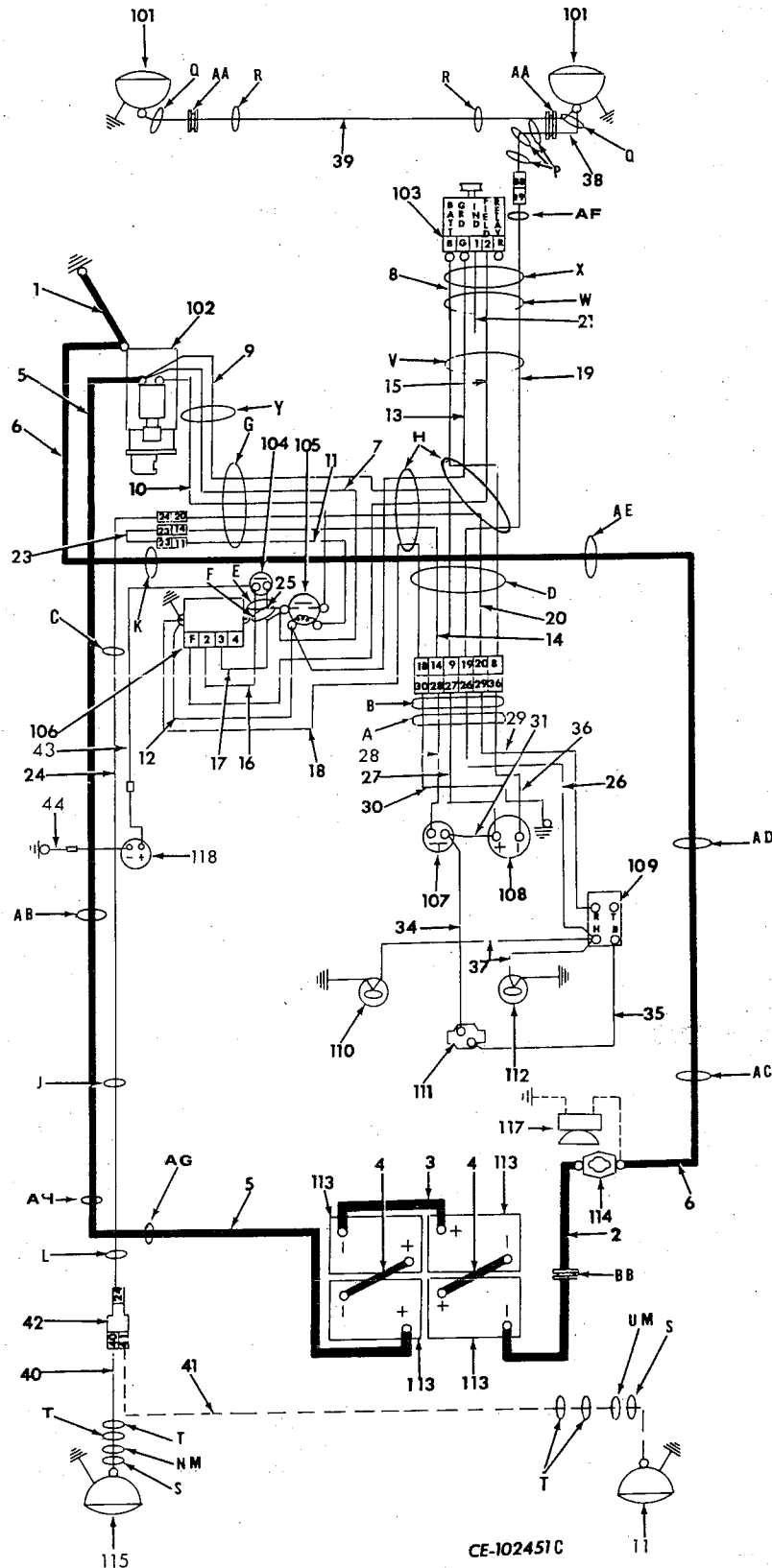
710 463 C91 ATTACHMENT, battery box venting
(See NOTE 2)

- 1 668 100 C1 COVER, battery venting cap (12)
- 2 668 114 C1 HOSE (60" long)
- 3 668 102 C1 HOSE (6" long)
- 4 668 101 C1 HOSE (4" long) (10)
- 5 668 104 C1 CONNECTOR, hose (23)
- 6 668 103 C1 PLUG

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

ELECTRICAL

ELECTRIC STARTING AND LIGHTING (For Manual Shift and Custom Applications Not Equipped with Cab) 3386 and below.



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Manual Shift and Custom Applications Not Equipped with Cab) 3386 and below			23	650 668 C1	CABLE, fender connector to fender connector
		<u>CABLES</u>	24	650 664 C1	CABLE, fender connector to rear lamp connector (Dark Blue)
1	297 909 R92	CABLE, frame terminal on cranking motor to tapped hole in frame in front of cranking motor	25		CABLE, magnetic switch to engine oil pressure switch (%)
	138 549	WASHER, int. tooth lock (2)	26		CABLE, dash connector to "H" terminal on light switch (Dark Green) (*)
2	650 632 C1	CABLE, master switch to negative terminal on battery	27		CABLE, dash connector to positive terminal on ammeter (Red) (*)
3	624 397 C2	CABLE, battery to battery long	28		CABLE, dash connector to starting switch (Black/Red) (*)
4	253 738 R92	CABLE, battery to battery short (2)	29		CABLE, dash connector to "R" terminal on light switch (Dark Blue) (*)
5	650 657 C2	CABLE, positive terminal on battery to "B" terminal on solenoid	30		CABLE, dash connector to instrument panel ground screw (*)
6	345 582 R92	CABLE, master switch to frame terminal on solenoid	31		CABLE, starting switch to positive terminal on ammeter (Red) (*)
7		CABLE, "B" terminal on solenoid to magnetic switch (Red) (%)	34		CABLE, starting switch to circuit breaker (Orange) (*)
8		CABLE, dash connector to "B" terminal on alternator (Brown) (%)	35		CABLE, circuit breaker to "B" terminal on light switch (Orange) (*)
9		CABLE, "B" terminal on solenoid to dash connector (Red) (%)	36		CABLE, dash connector to negative terminal on ammeter (Brown) (*)
10		CABLE, "S" terminal on solenoid to magnetic switch (White) (%)	37		CABLE, instrument panel lamp to "H" terminal on light switch (Order PACKAGE, 603 467 C91) (2)
11		CABLE, fender connector to magnetic switch (White) (%)	38	650 651 C1	CABLE, front lamp connector to RH front lamp (\$)
12		CABLE, magnetic switch to regulator mounting bolt ground (%)	39	703 060 C1	CABLE, RH front lamp to LH front lamp (Not for machines equipped with ROPS Front Sweep) (\$)
13		CABLE, magnetic switch to ground terminal on alternator ground (%)	39	663 113 C1	CABLE, RH front lamp to LH front lamp (For machines equipped with ROPS Front Sweep Attachment) (\$)
14		CABLE, dash connector to fender connector (Black/Red) (%)	40	621 834 C1	CABLE, rear lamp connector to LH rear lamp (\$)
15		CABLE, No. two terminal on alternator to "F" terminal on regulator (Light Green) (%)			
16		CABLE, No. two terminal on regulator to engine oil pressure switch (Light Blue) (%)			
17		CABLE, No. three terminal on regulator to magnetic switch (Orange) (%)			
18		CABLE, dash connector on regulator mounting bolt ground (%)			
19		CABLE, dash connector to front lamp connector (Dark green) (%)			
20		CABLE, dash connector to fender connector (Dark Blue) (%)			
21		CABLE, No. one terminal on alternator — dummy cable (%)			

(%) - Order MAIN HARNESS.

(*) - Order INSTRUMENT HARNESS.

(\$)- Part of Electrical Lighting Attachment.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Manual Shift and Custom Applications Not Equipped with Cab) 3386 and below					
<u>CABLES — Continued</u>					
41	650 653 C1	CABLE, rear lamp connector to RH rear lamp (@) (\$)	114		SWITCH, master (Refer to "MASTER SWITCH")
42	283 983 R91	CONNECTOR, rear lamp cable "Y" (\$)	115		LIGHT ASSY., LH rear (Refer to "HEADLIGHT and REAR LIGHT") (\$)
43	709 155 C1	CABLE, hourmeter to engine oil pressure switch 3337 to 3386	116		LIGHT ASSY., RH rear auxiliary (Refer to "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (@)
44	271 066 R92	CABLE, hourmeter to ground 3337 to 3386	117		ATTACHMENT, back-up alarm (Refer to "ALARM BACK-UP")
			118	709 145 C2	HOURMETER
				OR	3337 to 3386
			118	715 916 C1	HOURMETER
<u>MAIN COMPONENTS</u>			<u>CLIPS AND CLAMPS</u>		
101		LIGHT ASSY., RH and LH front (Refer to "HEADLIGHT and REAR LIGHT") (\$)	A	299 410 C1	CLAMP, instrument harness (On LH bolt of water temperature gauge)
102		MOTOR ASSY., cranking (Refer to Engine Parts Catalog EPC-400)	B		CLIP, welded
103		ALTERNATOR ASSY., (Refer to Engine Parts Catalog EPC-400)	C	267 787 R91	CLIP, (on front MTG bolt of Governor Pivot Bracket)
104	663 392 C1	SWITCH, engine oil pressure	D		CLIP, welded
105	706 125 C1	SWITCH, magnetic	E	366 460 R1	CLIP, main harness (On LH mounted bolt of pressure tube junction block)
	120 376	NUT, 5/16" (4)	F		CLIP, welded
	120 614	NUT, No. 10 (4)	G	604 388 C91	CLIP, main harness (on top mounting bolt of magnetic switch)
	171 034	SCREW, 1" long hex-hd cap (2)	H		CLIP, welded (2)
	25 222 R1	SCREW, 3/4" long hex-hd cap (2)	J	263 717 R91	CLIP, fender connector to rear lamp connector cable (On LH rear bolt of seat frame support cross bar)
	174 878	WASHER, 1/4" int. tooth lock (2)	K	604 388 C91	CLIP, master switch to solenoid (On LH top bolt of clutch housing (Under lug)
	120 214	WASHER, 5/16" lock (4)	L	264 164 R91	CLIP, rear lamp cable (On LH bottom bolt of battery support frame)
	120 217	WASHER, No. 10 lock (4)	M		CLIP, welded (Custom Application)
106		REGULATOR, voltage (Refer to "VOLTAGE REGULATOR")	N		CLIP, welded (Manual Shift)
107		SWITCH, starting (Refer to "STARTING SWITCH")	P	362 120 R1	CLIP, RH front lamp cable (On RH bottom, center and top fan shroud mounting bolts) (3)
108		AMMETER (Refer to "INSTRUMENT and INSTRUMENT PANEL")	Q	263 717 R91	CLIP, front lamp cable (On lamp swivel bolts) (\$) (2)
109		SWITCH, lighting (Refer to "LIGHTING SWITCH")		(@) -	Part of RH auxiliary rear lamp attachment.
110		LAMP, instrument panel (Order PACKAGE, 603 467 C91)		(\$) -	Part of electrical lighting attachment.
111	124 087 H1	BREAKER, circuit (15 amp)			
	110 633	NUT (2)			
	110 490	SCREW, fil-hd-slt (2)			
	106 497	WASHER, lock (2)			
112		LAMP, instrument panel (Order PACKAGE, 603 467 C91)			
113		BATTERIES (Refer to "BATTERY and BATTERY SUPPORT") (4)			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Manual Shift and Custom Applications Not Equipped with Cab) 3386 and below			GROMMETS		
CLIPS AND CLAMPS — Continued			AA	338 065 R1	GROMMET, front lamp cable (On side of radiator guard top header) (\$) (2)
R		CLIP, welded (2)	BB	112 745	GROMMET (On RH seat side sheet) (On hydraulic application only)
S	263 514 R91	CLIP, lamp cable (On rear inner bolt of lamp bracket) (@) (\$) (2)		273 406 R1	GROMMET, panel light (Part of PACKAGE, 603 467 C91) (2)
T	362 120 R1	CLIP, rear lamp cable (On top and bottom rear bolts of seat side sheet) (@) (4)	HARNESS		
U	362 120 R1	CLIP, lamp cable (On top inner bolt on front of fuel tank) (Manual shift) (@)	650 661 C2		HARNESS, main (Consists of Ref. Nos. 7 thru 21 and 25)
V	103 213 H	CLIP (On center bolt on lube filter manifold bottom)	121 743		NUT
W	399 657 R1	CLIP (On breather mounting bolt)	121 744		WASHER, No. 12 flat
X	399 657 R1	CLIP (On alternator bracket rear mounting bolt)	120 217		WASHER, No. 10 flat
Y	363 444 R1	CLIP, main harness (On tapped hole on front frame above cranking motor)	650 655 C2		HARNESS, instrument (Consists of Ref. Nos. 26 thru 31, 34, 35 and 36)
	24 838 R1	SCREW, hex-hd cap	115 999		NUT (2)
	115 093	WASHER, lock	25 662 R1		SCREW
AB	308 581 R1	CLAMP, battery to solenoid cable (On hydraulic cooler hose clamp on LH fender)	115 707		WASHER, lock
AC	267 787 R91	CLIP, master switch to cranking motor cable (On RH bottom bolt of seat frame support cross bar)	178 387		WASHER, int-ext lock (2)
AD	616 282 C1	CLIP, master switch to cranking motor cable (On top bolt on shift housing)	MISCELLANEOUS		
AE	604 388 C91	CLIP, master switch to cranking motor cable (On RH rear bolt of center platform support)	603 467 C91		PACKAGE, panel lamp service (Less bulbs) (Consists of DASH LIGHT, GROMMET, 273 406 R1 and WASHER, 273 405 R1) (2)
AF	362 120 R1	CLIP, main harness (On RH bottom bolt of water pump manifold)	193 093		BULB, instrument panel (2)
AG	308 581 R1	CLIP, battery to cranking motor cable (on bottom rear mounting bolt of governor control housing to seat side sheet)	273 405 R1		WASHER, panel light (Part of PACKAGE, 603 467 C91) (2)
AH	616 282 C1	CLIP, battery to cranking motor cable (On rear bottom bolt of transmission pressure filter mounting bracket)	629 486 C92		ATTACHMENT, electric lighting (Not for machines equipped with ROPS Canopy) (See NOTE 3)
	276 956 R91	CLIP, front lamp cable (On center bolts of front lamp bracket) (\$)	(Consists of -		
				1 CABLE	650 651 C1
				1 CABLE	703 060 C1
				1 CABLE	621 834 C1
				2 CLIP	263 717 R91
				1 CLIP	263 514 R91
				2 GROMMET	338 065 R1
				2 GUARD	624 359 C1
				1 GUARD	651 628 C1
				3 LAMP	338 814 R91
				3 LOCKWASHER	138 530
				4 NUT	271 500
				6 NUT	120 371
				3 SCREW	181 709
				12 SCREW	179 860
				3. SWIVEL	303 706 R1
				12 WASHER	103 322
				8 WASHER	103 342
				4 WASHER	25 637 R1
				6 WASHER	120 384)
			(@) - Part of RH auxiliary rear lamp attachment.		
			(\$) - Part of electrical lighting attachment.		
			NOTE 3 - Field Application - Order through Regular Parts Channels.		

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

ELECTRIC STARTING AND LIGHTING – Continued
(For Manual Shift and Custom Applications
Not Equipped with Cab)
3386 and below

MISCELLANEOUS – Continued

663 156 C91 ATTACHMENT, electric lighting (For
use on machines equipped with
ROPS Canopy but not with Front
Sweep attachment) (See NOTE 3)
(Consists of -

1	BRACKET	651 948 C1
1	CABLE	650 653 C1
1	CABLE	703 060 C1
1	CABLE	621 834 C1
2	CLIP	263 717 R91
1	CLIP	263 514 R91
2	GROMMET	338 065 R1
2	GUARD	624 359 C2
3	LAMP	338 814 R91
3	LOCKWASHER	138 530
2	NUT	271 500
6	NUT	120 371
3	SCREW	181 709
10	SCREW	179 860
3	SWIVEL	303 706 R1
10	WASHER	103 322
8	WASHER	103 342
2	WASHER	25 637 R1
6	WASHER	120 384)

632 304 C91 ATTACHMENT, electric lighting (For
use on machines equipped with
ROPS Front Sweep attachment)
(See NOTE 3)
(Consists of -

1	BRACKET	651 948 C1
1	CABLE	650 653 C1
1	CABLE	663 113 C1
1	CABLE	621 834 C1
1	CLIP	263 514 R91
2	CLIP	276 956 R91
1	DRAWING	CZG-1330
1	GROMMET	338 065 R1
1	GUARD	663 058 C1
3	LAMP	338 814 R91
3	LOCKWASHER	138 530
2	NUT	271 500
6	NUT	120 371
6	SCREW	179 860
3	SCREW	181 709
3	SWIVEL	303 706 R1
6	WASHER	103 322
4	WASHER	103 342
2	WASHER	25 637 R1
6	WASHER	120 384)

REF. NO.	PART NUMBER	DESCRIPTION

628 247 C92 ATTACHMENT, RH auxiliary rear
lamp (Not for machines equipped
w/260 Rear Cable Control Unit or
ROPS Canopy) (See NOTE 4)
(Consists of -

1	CABLE	650 653 C1
2	CLIP	362 120 R1
1	CLIP	263 514 R91
1	CLIP	362 120 R1
1	GUARD	651 628 C1
1	LAMP	338 814 R91
2	NUT	120 371
4	NUT	271 500
4	SCREW	179 860
1	SCREW	181 709
1	SWIVEL	303 706 R1
4	WASHER	25 637 R1
4	WASHER	103 322
2	WASHER	120 384)

663 145 C91 ATTACHMENT, RH rear auxiliary
lamp (For use on machines
equipped with ROPS canopy and
electric lighting) (See NOTE 4)
(Consists of -

1	BRACKET	651 948 C1
1	CABLE	650 653 C1
1	CLIP	263 514 R91
3	CLIP	362 120 R1
1	LAMP	338 814 R91
2	NUT	120 371
2	NUT	271 500
1	SCREW	181 709
2	SCREW	179 860
1	SWIVEL	303 706 R1
2	WASHER	25 637 R1
2	WASHER	120 384)

NOTE 3 - Field Application - Order through
Regular Parts Channels.

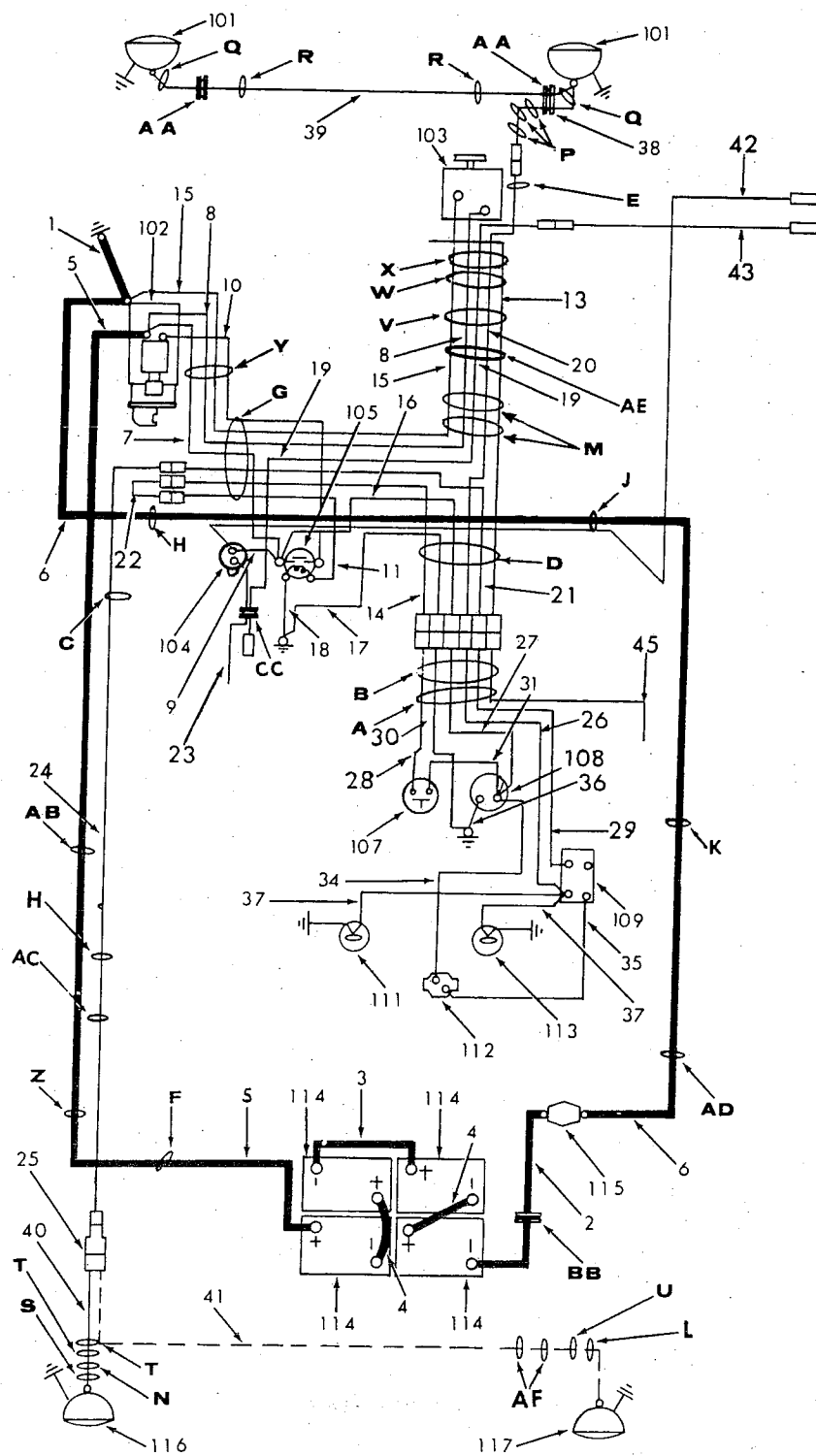
NOTE 4 - Attachment No Longer Available.
Service Parts Will Be Furnished.

ELECTRICAL

MEMORANDA

ELECTRICAL

ELECTRIC STARTING AND LIGHTING (For Manual Shift Equipped with Cab) 3386 and below



CE110428B

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Manual Shift Equipped with Cab) 3386 and below			17		CABLE, dash connector to magnetic switch mounting bolt (%)
			18		CABLE, magnetic switch to magnetic switch mounting bolt (%)
		CABLES	19		CABLE, magnetic clutch connector to cab magnetic clutch connector (Black/Orange) (Only used on Air Conditioned Cabs) (Part of main HARNESS, 632 317 C1)
1	297 909 R92	CABLE, frame terminal on cranking motor to tapped hole in front frame	19	709 130 C1	CABLE, magnetic clutch connector to cab magnetic clutch connector (Only used on Air Conditioned Cabs) (+)
	138 549	WASHER, int. tooth lock (2)	20		CABLE, dash connector to front lamp connector (Dark Blue) (%)
2	650 632 C1	CABLE, master switch to negative terminal on battery	21		CABLE, dash connector to fender connector (Pink) (%)
3	624 397 C2	CABLE, battery to battery long	22	650 668 C1	CABLE, fender connector to fender connector
4	253 738 R92	CABLE, battery to battery short (2)	23		CABLE, cab circuit breaker to cab (To be supplied by cab vendor)
5	650 657 C2	CABLE, positive terminal on battery to "B" terminal on solenoid	24	650 664 C1	CABLE, fender connector to rear lamp connector (Pink)
6	345 582 R92	CABLE, master switch to frame terminal on solenoid	25	283 983 R91	"Y" CONNECTOR
7		CABLE, "B" terminal on solenoid to "H" terminal on magnetic switch (Red) (%)	26		CABLE, dash connector to "H" terminal on light switch (Dark Blue) (*)
8		CABLE, "B" terminal on solenoid to output on alternator (Red) (%)	27		CABLE, dash connector to positive terminal on voltmeter (Red) (*)
9		CABLE, cab circuit breaker to magnetic switch (Red) (Part of HARNESS, 632 317 C1)	28		CABLE, dash connector to starting switch (Black/Red) (*)
9	709 129 C1	CABLE, cab circuit breaker to magnetic switch (+)	29		CABLE, dash connector to "R" terminal on light switch (Pink) (*)
10		CABLE, "S" terminal on solenoid to magnetic switch (White) (%)	30		CABLE, dash connector to instrument panel ground screw (*)
11		CABLE, fender connector to magnetic switch (White) (%)	31		CABLE, starting switch to positive terminal on voltmeter (Red) (*)
12		NOT USED	34		CABLE, positive on voltmeter to circuit breaker (Orange) (*)
13		CABLE, tapped back (Light Blue) (Part of main HARNESS, 706 047 C3)	35		CABLE, circuit breaker to "B" terminal on light switch (Orange) (*)
14		CABLE, dash connector to fender connector (Black/Red) (%)			(%) - Order MAIN HARNESS
15		CABLE, ground terminal on alternator to frame terminal on cranking motor (%)			(*) - Order INSTRUMENT HARNESS
16		CABLE, dash connector to cab circuit breaker (Red) (Part of main HARNESS, 632 317 C1)			(+) - Part of Heavy Duty Alternator Attachment
16		CABLE, dash connector to "H" terminal on magnetic switch (Red) (Order main HARNESS, 706 047 C3)			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Manual Shift Equipped with Cab) 3386 and below		

CABLES - Continued

36		CABLE, negative on voltmeter to instrument panel ground screw (*)
37		CABLE, instrument panel lamp to "H" terminal on light switch (Part of LAMP, 650 381 C2) (+) (2)
38	650 651 C1	CABLE, front lamp connector to RH front lamp (\$)
39	703 060 C1	CABLE, RH front lamp to LH front lamp (\$)
40	621 834 C1	CABLE, rear lamp connector to LH rear lamp (\$)
41	650 653 C1	CABLE, rear lamp connector to RH rear lamp (@)
42	635 578 C1	CABLE, circuit breaker to air conditioner power connector ORANGE (Part of ATTACHMENT 710 462 C91)
43	635 577 C1	CABLE, magnetic clutch connector to air conditioner connector BLACK/ORANGE (Part of ATTACHMENT, 710 462 C91)
44		NOT USED
45		CABLE, tapped back (Light Blue) (*)

MAIN COMPONENTS

101		LIGHT ASSY., RH and LH front (Refer to "HEADLIGHT") (\$)
102		MOTOR ASSY., cranking (Refer to Engine Parts Catalog, EPC-400)
103	690 479 C91	ALTERNATOR ASSY., (Replaces, 683 728 C91) (IH Heavy Duty) (For components see list of parts in "Engine Parts Catalog EPC-400") (+)
	683 729 C1	PULLEY, alternator (+)
104	213 383 H1	BREAKER, circuit (50 amp) (+)
	120 361	NUT (2)
	436 574	SCREW, hex-hd cap (2)
	121 801	WASHER, internal tooth (2)
105	706 125 C2	SWITCH, magnetic
	120 376	NUT, 5/16" (4)
	120 614	NUT, No. 10 (4)
	171 034	SCREW, 1" long hex-hd cap (2)
	25 222 R1	SCREW, 3/4" long hex-hd cap (2)
	174 878	WASHER, 1/4" int. tooth lock (2)
	120 214	WASHER, 5/16" lock (4)
	120 217	WASHER, No. 10 lock (4)
106		NOT USED
107		SWITCH, starting (Refer to "STARTING SWITCH")
108		VOLTMETER (Refer to "INSTRUMENT and INSTRUMENT PANEL") (+)

REF. NO.	PART NUMBER	DESCRIPTION
109		SWITCH, lighting (Refer to "LIGHTING SWITCH")
111	650 381 C2	LAMP, instrument panel (+)
112	124 087 H1	BREAKER, circuit (15 amp)
	110 633	NUT (2)
	110 490	SCREW, fil-hd-slt (2)
	106 497	WASHER, lock (2)
113	650 381 C2	LAMP, instrument panel (+)
114		BATTERIES (Refer to "BATTERY and BATTERY SUPPORT") (4)
115		SWITCH, master (Refer to "MASTER SWITCH")
116		LIGHT ASSY., LH rear (Refer to "HEADLIGHT and REAR LIGHT") (\$)
117		LIGHT ASSY., RH rear auxiliary (Refer to "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (@)

CLIPS AND CLAMPS

A	299 410 C1	CLAMP, instrument harness (On LH bolt of water temperature gauge)
B		CLIP, welded
C	363 444 R1	CLIP, on fender
D		CLIP, welded
E	362 120 R1	CLIP, main harness (On bottom screw of water pump manifold)
F	308 581 R1	CLIP, battery terminal (On bottom RH screw of control tower cover)
G	622 963 C1	CLIP, main harness (On bottom mounting bolt of magnetic switch) (+)
H	604 388 C91	CLIP (on LH top bolt of clutch housing – under lug)
J	604 388 C91	CLIP (on RH rear bolt of center platform support)

(+) - Part of Heavy Duty Alternator Attachment.
 (@) - Part of RH auxiliary rear lamp attachment.
 (\$) - Part of electric lighting attachment.
 (*) - Order INSTRUMENT HARNESS.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

ELECTRIC STARTING AND LIGHTING — Continued (For Manual Shift Equipped with Cab) 3386 and below

CLIPS AND CLAMPS - Continued

K	616 282 C1	CLIP (on top bolt on shift housing — behind shift lever)
L	263 514 R91	CLIP (on rear inner bolt of lamp bracket) (@)
M		CLIP, welded
N		CLIP, welded
P	362 120 R1	CLIP, RH front lamp cable (On RH bottom, center and top fan shroud mounting bolts) (3)
Q	263 717 R91	CLIP, front lamp cable (On lamp swivel bolts) (\$) (2)
R		CLIP, welded (2)
S	263 514 R91	CLIP, lamp cable (On rear inner bolt of lamp bracket (\$) (2))
T	362 120 R1	CLIP, rear lamp cable (On top and bottom rear bolts of seat side sheet) (2)
U	362 120 R1	CLIP, lamp cable (On top inner bolt on front of fuel tank) (@)
V	103 213 H	CLIP (On center bolt on lube filter manifold bottom)
W	399 657 R1	CLIP (On breather tube front mounting bolt)
X	399 657 R1	CLIP (On alternator bracket rear mounting bolt)
Y	363 444 R1	CLIP, main harness (On tapped hole on front frame above cranking motor)
	24 838 R1	SCREW, hex-hd cap
	115 093	WASHER, lock
Z	616 282 C1	CLAMP, battery to solenoid cable (On rear bottom bolt of transmission filter mounting bracket)
	24 838 R1	SCREW, hex-hd cap
	115 093	WASHER, lock
AB	308 581 R1	CLAMP, battery to solenoid cable (On hydraulic cooler hose clamp on LH fender)
AC	263 717 R91	CLIP (on LH rear bolt of seat frame support cross bar)

REF. NO.	PART NUMBER	DESCRIPTION

AD	267 787 R91	CLIP, master switch to cranking motor cable (On RH bottom bolt to seat frame support cross bar)
AE	702 093 C1	STRAP (cable No. 19 to main harness) (+) (10)
AF	362 120 R1	CLIP (on top and bottom rear bolts of seat side sheet) (@) (2)

GROMMETS

AA	338 065 R1	GROMMET, front lamp cable (On sides of radiator guard top header) (2) (\$) (2)
BB	112 745	GROMMET (On RH seat side sheet) (On hydraulic application only)
CC	63 323 D	GROMMET (on LH side of dash) (+)

HARNESS

632 317 C1	HARNESS, main (Consists of Ref. Nos. 7 thru 12 and 14 thru 21) (Order HARNESS 706 047 C1, CABLE 709 129 C1 and CABLE 709 130 C1)
740 707 C1	HARNESS (Replaces, 706 047 C3) main (Consists of Ref. Nos. 7, 8, 10 thru 18, 20 and 21) (+)
121 743	NUT
121 744	WASHER, No. 12 flat
120 217	WASHER, No. 19 flat
668 189 C2	HARNESS, instrument (Consists of Ref. Nos. 26 thru 31, 34, 35, 36 and 45) (+)
115 999	NUT, No. 10 (2)
25 662 R1	SCREW
115 707	WASHER, lock
178 387	WASHER, int-ext tooth lock (2)

(+) - Part of Heavy Duty Alternator Attachment.
 (@) - Part of RH auxiliary rear lamp attachment.
 (\$) - Part of electric lighting attachment.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION

ELECTRIC STARTING AND LIGHTING — Continued
(For Manual Shift Equipped with Cab)
3386 and below

MISCELLANEOUS

663 156 C91	ATTACHMENT, electric lighting (See NOTE 3) (Consists of -	
	1 BRACKET	651 948 C1
	1 CABLE	650 651 C1
	1 CABLE	703 060 C1
	1 CABLE	621 834 C1
	2 CLIP	263 717 R91
	1 CLIP	263 514 R91
	2 GROMMET	338 065 R1
	2 GUARD	624 359 C2
	3 LAMP	338 814 R91
	3 LOCKWASHER	138 530
	2 NUT	271 500
	6 NUT	120 371
	3 SCREW	181 709
	10 SCREW	179 860
	3 SWIVEL	303 706 R1
	10 WASHER	103 322
	8 WASHER	103 342
	2 WASHER	25 637 R1
	6 WASHER	120 384)

709 302 C91	ATTACHMENT, heavy duty alternator (See NOTE 3) (Consists of -	
	1 ALTERNATOR	690 479 C91
	2 BOLT	436 574
	1 BREAKER	213 383 H1
	1 CABLE	709 129 C1
	1 CABLE	709 130 C1
	2 CLIP	604 388 C91
	1 CLIP	622 963 C1
	1 GROMMET	63 323 D
	1 HARNESS	668 189 C2
	1 HARNESS	740 707 C1
	2 LAMP	650 381 C2
	2 NUT	120 361
	1 PLUG	444 571
	1 PULLEY	683 729 C1
	10 STRAP	702 093 C1
	1 TAG	1 085 499 R2
	1 VOLTMETER	651 688 C2
	2 WASHER	121 801)

663 145 C91	ATTACHMENT, RH rear auxiliary lamp (See NOTE 4) (Consists of -	
	1 BRACKET	651 948 C1
	1 CABLE	650 653 C1
	1 CLIP	263 514 R91
	3 CLIP	362 120 R1
	1 LAMP	338 814 R91
	2 NUT	120 371
	2 NUT	271 500
	1 SCREW	181 709
	2 SCREW	179 860
	1 SWIVEL	303 706 R1
	2 WASHER	25 637 R1
	2 WASHER	120 384)

NOTE 3 - Field Application - Order through
Regular Parts Channels.

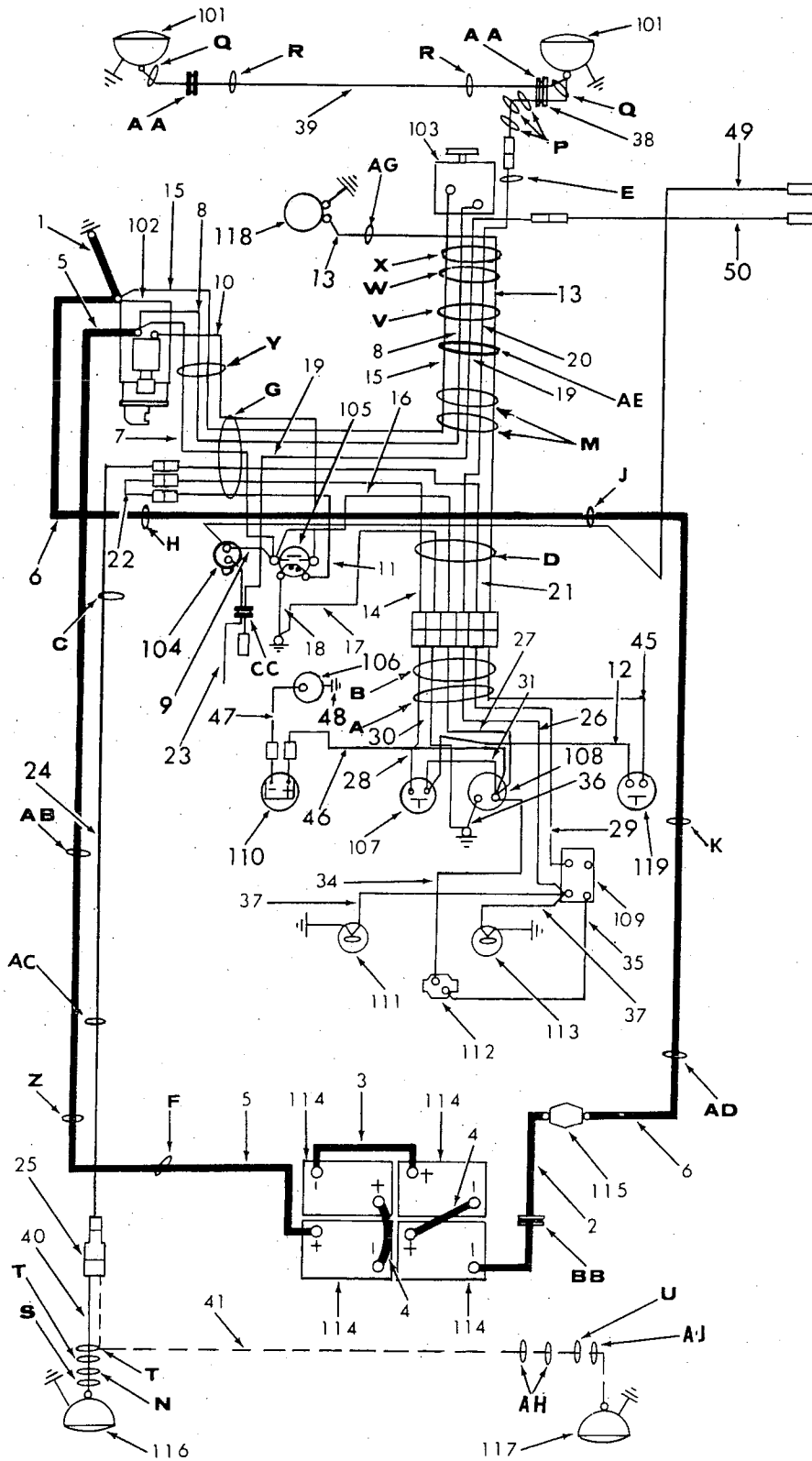
NOTE 4 - Attachment No Longer Available.
Service Parts Will Be Furnished.

ELECTRICAL

MEMORANDA

ELECTRICAL

ELECTRIC STARTING AND LIGHTING (For Manual Shift and Custom Applications) 3387 to 4180



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ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING - Continued (For Manual Shift and Custom Applications) 3387 to 4180			19	709 130 C1	CABLE, magnetic clutch connector to cab magnetic clutch connector (Black & Orange) (Cable used on air conditioning cab only) (+)
		<u>CABLES</u>	20		CABLE, dash connector to front lamp connector (Dark Blue) (%)
1	297 909 R92	CABLE, frame terminal on cranking motor to safety filter mounting bracket	21		CABLE, dash connector to fender connector (Pink) (%)
	138 549	WASHER, int. tooth lock (2)	22	650 668 C1	CABLE, fender connector to fender connector
2	650 632 C1	CABLE, master switch to negative terminal on battery	23		CABLE, cab circuit breaker to cab (To be supplied by cab vendor)
3	624 397 C2	CABLE, battery to battery long	24	650 664 C1	CABLE, fender connector to rear lamp connector (Pink)
4	253 738 R92	CABLE, battery to battery short (2)	25	283 983 R91	"Y" CONNECTOR
5	650 657 C2	CABLE, positive terminal on battery to "B" terminal on solenoid	26		CABLE, dash connector to "H" terminal on light switch (Dark Blue) (*)
6	345 582 R92	CABLE, master switch to frame terminal on solenoid	27		CABLE, dash connector to positive terminal on voltmeter (Red) (*)
7		CABLE, "B" terminal on solenoid to "H" terminal on magnetic switch (Red) (%)	28		CABLE, dash connector to starting switch (Black/Red) (*)
8		CABLE, "B" terminal on solenoid to output on alternator (Red) (%)	29		CABLE, dash connector to "R" terminal on light switch (Pink) (*)
9	709 129 C1	CABLE, cab circuit breaker to magnetic switch (Only used on machines equipped w/Cab) (+)	30		CABLE, dash connector to instrument panel ground screw (*)
10		CABLE, "S" terminal on solenoid to magnetic switch (White) (%)	31		CABLE, starting switch to positive terminal on voltmeter (Red) (*)
11		CABLE, fender connector to magnetic switch (White) (%)	34		CABLE, positive on voltmeter to circuit breaker (Orange) (*)
12		CABLE, start switch to ether switch (White) (Refer to "Ether Injector - Electric")	35		CABLE, circuit breaker to "B" terminal on light switch (Orange) (*)
13		CABLE, dash connector to ether valve (Light Blue) (%)			
14		CABLE, dash connector to fender connector (Black/Red) (%)			
15		CABLE, ground terminal on alternator to frame terminal on cranking motor (%)			
16		CABLE, dash connector to "H" terminal on magnetic switch (Red) (%)			
17		CABLE, dash connector to magnetic switch mounting bolt (%)			
18		CABLE, magnetic switch to magnetic switch mounting bolt (%)			

- (&) - Order SAFETY STARTING SWITCH HARNESS
- (%) - Order MAIN HARNESS
- (*) - Order INSTRUMENT HARNESS
- (+) - Part of Heavy Duty Alternator Attachment

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Manual Shift and Custom Applications) 3387 to 4180		

CABLES - Continued

36		CABLE, negative on voltmeter to instrument panel ground screw (*)
37		CABLE, instrument panel lamp to "H" terminal on light switch (Part of LAMP, 650 381 C2) (2)
38	650 651 C1	CABLE, front lamp connector to RH front lamp (\$)
39	703 060 C1	CABLE, RH front lamp to LH front lamp (\$)
40	621 834 C1	CABLE (Replaces, 650 652 C1), rear lamp connector to LH rear lamp (\$)
41	650 653 C1	CABLE, rear lamp connector to RH rear lamp (@)
42		NOT USED
43		NOT USED
44		NOT USED
45		CABLE, dash connector to ether start switch (Light Blue) (*)
46	709 064 C1	CABLE, voltmeter (pos) to hourmeter (pos) connector
47	709 155 C1	CABLE, hourmeter (neg) to engine oil pressure switch
48	650 407 C1	CABLE, engine oil pressure switch to junction block mounting bolt (Not used with internal grounded pressure switch) 3387 to #
49	635 578 C1	CABLE, circuit breaker to air conditioner power connector ORANGE (Part of ATTACHMENT 710 462 C91)
50	635 577 C1	CABLE, magnetic clutch connector to air conditioner connector BLACK/ORANGE (Part of ATTACHMENT, 710 462 C91)

MAIN COMPONENTS

101		LIGHT ASSY., RH and LH front (Refer to "HEADLIGHT") (\$)
102		MOTOR ASSY., cranking (Refer to Engine Parts Catalog, EPC-400)
103		ALTERNATOR ASSY. (Delco) (For components see list of parts in "Engine Parts Catalog EPC-400")
103	690 479 C91	ALTERNATOR ASSY. (1H Heavy Duty) (For components see list of parts in "Engine Parts Catalog EPC-400") (+)
	683 729 C1	PULLEY, alternator (+)
104	213 383 H1	BREAKER, circuit (50 amp) (+)
	120 361	NUT (2)
	436 574	SCREW, hex-hd cap (2)
	121 801	WASHER, internal tooth (2)

105	706 125 C2	SWITCH, magnetic
	120 376	NUT, 5/16" (4)
	120 614	NUT, No. 10 (4)
	171 034	SCREW, 1" long hex-hd cap (2)
	25 222 R1	SCREW, 3/4" long hex-hd cap (2)
	174 878	WASHER, 1/4" int. tooth lock (2)
	120 214	WASHER, 5/16" lock (4)
	120 217	WASHER, No. 10 lock (4)
106		SWITCH, engine oil pressure (Refer to "Gauge Piping")
107		SWITCH, starting (Refer to "STARTING SWITCH")
108		VOLTMETER (Refer to "INSTRUMENT and INSTRUMENT PANEL")
109		SWITCH, lighting (Refer to "LIGHTING SWITCH")
110		HOURLMETER (Refer to "Instrument Panel and Gauges")
111	650 381 C2	LAMP, instrument panel
112	124 087 H1	BREAKER, circuit (15 amp)
	110 633	NUT (2)
	110 490	SCREW, fil-hd-slt (2)
	106 497	WASHER, lock (2)
113	650 381 C2	LAMP, instrument panel
114		BATTERIES (Refer to "BATTERY and BATTERY SUPPORT") (4)
115		SWITCH, master (Refer to "MASTER SWITCH")
116		LIGHT ASSY., LH rear (Refer to "HEADLIGHT and REAR LIGHT") (\$)
117		LIGHT ASSY., RH rear auxiliary (Refer to "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (@)
118		VALVE, ether starting (Refer to "ETHER INJECTOR - Electric")
119		SWITCH, ether starting (Refer to "ETHER INJECTOR - Electric")

CLIPS AND CLAMPS

A	299 410 C1	CLAMP, instrument harness (On LH bolt of water temperature gauge)
B		CLIP, welded
C	358 902 R1	CLIP, on top front bolt of decelerator mounting bracket
D		CLIP, welded
E	362 120 R1	CLIP, main harness (On bottom screw of water pump manifold)
F	308 581 R1	CLIP, battery terminal (On bottom RH screw of control tower cover)
G	604 388 C91	CLIP, main harness (On top mounting bolt of magnetic switch)
H	604 388 C91	CLIP (on LH top bolt of clutch housing — under lug)
J	604 388 C91	CLIP (on RH rear bolt of center platform support)

(+) - Part of Heavy Duty Alternator Attachment.
 (*) - Order INSTRUMENT HARNESS
 (@) - Part of RH auxiliary rear lamp attachment.
 (\$) - Part of electric lighting attachment
 # - Serial Number Not Available.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Manual Shift and Custom Applications) 3387 to 4180			AD	267 787 R91	CLIP, master switch to cranking motor cable (On RH bottom bolt of seat frame support cross bar)
CLIPS AND CLAMPS - Continued			AE	702 093 C1	STRAP (cable No 19 to main harness) (+) (10)
K	616 282 C1	CLAMP (On top bolt on shift housing - behind shift lever)	AG	702 093 C1	STRAP, ether cable to hose from pump to thermo. housing
M		CLIP, welded	AH	362 120 R1	CLIP, rear lamp cable (on top and bottom rear bolts of RH seat side sheet) (@) (2)
N		CLIP, welded	AJ	263 514 R91	CLIP, lamp cable (on rear inner bolt of lamp bracket) (@)
P	362 120 R1	CLIP, RH front lamp cable (On RH bottom, center and top fan shroud mounting bolts) (3)	GROMMETS		
Q	263 717 R91	CLIP, front lamp cable (On lamp swivel bolts (\$) (2)	AA	338 065 R1	GROMMET, front lamp cable (On sides of radiator guard top header) (2) (\$) (2)
R		CLIP, welded (2)	BB	112 745	GROMMET (On RH seat side sheet) (On hydraulic application only)
S	263 514 R91	CLIP, lamp cable (On rear inner bolt of lamp bracket (\$) (2)	CC	63 323 D	GROMMET (On LH side of dash) (+)
T	362 120 R1	CLIP, rear lamp cable (On top and bottom rear bolts of seat side sheet) (2)	HARNESS		
U	362 120 R1	CLIP, lamp cable (On top inner bolt on front of fuel tank) (@)	706 047 C3	HARNESS, main (Consists of Ref. Nos. 7, 8, 10, 11, 13 thru 18, 20 and 21)	
V	740 110 C1	CLIP (On center bolt on lube filter manifold bottom)	121 743	NUT	
W	740 110 C1	CLIP (On breather tube mounting bolt)	121 744	WASHER, No. 12 flat	
X	740 110 C1	CLIP (On alternator bracket rear mounting bolt)	120 217	WASHER, No. 19 flat	
Y	604 388 C91	CLIP, main harness (On tapped hole on front frame above cranking motor)	668 189 C2	HARNESS, instrument (Consists of Ref. Nos. 26 thru 31, 34, 35, 36 and 45)	
	24 838 R1	SCREW, hex-hd cap	115 999	NUT, No. 10 (2)	
	115 093	WASHER, lock	25 662 R1	SCREW	
Z	616 282 C1	CLAMP, battery to solenoid cable (On rear bottom bolt of transmission filter mounting bracket)	115 707	WASHER, lock	
	24 838 R1	SCREW, hex-hd cap	178 387	WASHER, int-ext tooth lock (2)	
	115 093	WASHER, lock			
AB	308 581 R1	CLAMP, battery to solenoid cable (On hydraulic cooler hose clamp on LH fender)			
AC	263 717 R91	CLIP (On LH rear bolt of seat frame support cross bar)			

(+) - Part of Heavy Duty Alternator Attachment.
 (@) - Part of RH auxiliary rear lamp attachment.
 (\$) - Part of electric lighting attachment.

ELECTRICAL

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

ELECTRIC STARTING AND LIGHTING — Continued
(For Manual Shift and Custom Applications)
3387 to 4180

MISCELLANEOUS

629 486 C92 ATTACHMENT, electric lighting (Not for machines equipped with ROPS Canopy or Cab) (See NOTE 3)
(Consists of -

1	CABLE	650 651 C1
1	CABLE	703 060 C1
1	CABLE	621 834 C1
2	CLIP	263 717 R91
1	CLIP	263 514 R91
2	GROMMET	338 065 R1
2	GUARD	624 359 C2
1	GUARD	651 628 C1
3	LAMP	338 814 R91
3	LOCKWASHER	138 530
4	NUT	271 500
6	NUT	120 371
3	SCREW	181 709
12	SCREW	179 860
3	SWIVEL	303 706 R1
12	WASHER	103 322
8	WASHER	103 342
4	WASHER	25 637 R1
6	WASHER	120 384)

663 156 C91 ATTACHMENT, electric lighting (For use on machines equipped with ROPS Canopy but not with Front Sweep attachment) (Also for machines equipped with cab) (See NOTE 3)
(Consists of -

1	BRACKET	651 948 C1
1	CABLE	650 651 C1
1	CABLE	703 060 C1
1	CABLE	621 834 C1
2	CLIP	263 717 R91
1	CLIP	263 514 R91
2	GROMMET	338 065 R1
2	GUARD	624 359 C2
3	LAMP	338 814 R91
3	LOCKWASHER	138 530
2	NUT	271 500
6	NUT	120 371
3	SCREW	181 709
10	SCREW	179 860
3	SWIVEL	303 706 R1
10	WASHER	103 322
8	WASHER	103 342
2	WASHER	25 637 R1
6	WASHER	120 384

632 304 C91 ATTACHMENT, electric lighting (For use on machines equipped with ROPS Front Sweep attachment) (Not for machines equipped with cab) (See NOTE 3)
(Consists of -

1	BRACKET	651 948 C1
1	CABLE	650 653 C1
1	CABLE	663 113 C1
1	CABLE	621 834 C1
1	CLIP	263 514 R91
2	CLIP	276 956 R91
1	DRAWING	CZG 1330
1	GROMMET	338 065 R1
1	GUARD	663 058 C1
3	LAMP	338 814 R91
3	LOCKWASHER	138 530
2	NUT	271 500
6	NUT	120 371
6	SCREW	179 860
3	SCREW	181 709
3	SWIVEL	303 706 R1
6	WASHER	103 322
4	WASHER	103 342
2	WASHER	25 637 R1
6	WASHER	120 384)

628 247 C92 ATTACHMENT, RH auxiliary rear lamp (Not for machines equipped w/260 Rear Cable Control Unit or ROPS Canopy or Cab) (See NOTE 4)
(Consists of -

1	CABLE	650 653 C1
2	CLIP	362 120 R1
1	CLIP	263 514 R91
1	CLIP	362 120 R1
1	GUARD	651 628 C1
1	LAMP	338 814 R91
2	NUT	120 371
4	NUT	271 500
4	SCREW	179 860
1	SCREW	181 709
1	SWIVEL	303 706 R1
4	WASHER	25 637 R1
4	WASHER	103 322
2	WASHER	120 384)

NOTE 3 - Field Application - Order through Regular Parts Channels.

NOTE 4 - Attachment No Longer Available. Service Parts Will Be Furnished.

ELECTRICAL

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

ELECTRIC STARTING AND LIGHTING — Continued
(For Manual Shift and Custom Applications)
3387 to 4180

MISCELLANEOUS - Continued

- 663 145 C91 ATTACHMENT, RH rear auxiliary
lamp (For use on machines
equipped with ROPS Canopy or
Cab and electric lighting)
(See NOTE 4)
(Consists of -
- | | |
|-----------|-------------|
| 1 BRACKET | 651 948 C1 |
| 1 CABLE | 650 653 C1 |
| 1 CLIP | 263 514 R91 |
| 3 CLIP | 362 120 R1 |
| 1 LAMP | 338 814 R91 |
| 2 NUT | 120 371 |
| 2 NUT | 271 500 |
| 1 SCREW | 181 709 |
| 2 SCREW | 179 860 |
| 1 SWIVEL | 303 706 R1 |
| 2 WASHER | 25 637 R1 |
| 2 WASHER | 120 384) |
- 632 462 C91 ATTACHMENT, heavy duty alternator
(See NOTE 3)
(Consists of -
- | | |
|--------------|--------------|
| 1 ALTERNATOR | 690 479 C91 |
| 2 BOLT | 436 574 |
| 1 BREAKER | 213 383 H1 |
| 1 CABLE | 709 129 C1 |
| 1 CABLE | 709 130 C1 |
| 1 DRAWING | CZG 3362 |
| 1 GROMMET | 63 323 D |
| 2 NUT | 120 361 |
| 1 PULLEY | 683 729 C1 |
| 10 STRAP | 702 093 C1 |
| 1 TAG | 1 085 499 R2 |
| 2 WASHER | 121 801) |

NOTE 3 - Field Application - Order through
Regular Parts Channels.

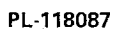
NOTE 4 - Attachment No Longer Available.
Service Parts Will Be Furnished.

ELECTRICAL

ELECTRIC STARTING AND LIGHTING

(For Custom Applications)

4181 and up



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Custom Applications) 4181 and up			19	709 130 C1	CABLE, magnetic clutch connector to cab magnetic clutch connector (Black & Orange) (Cable used on air conditioning cab only)
		CABLES	20		CABLE, dash connector to front lamp connector (Dark Blue) (%)
1	740 184 C1	CABLE, frame terminal on cranking motor to safety filter mounting bracket	21		CABLE, dash connector to fender connector (Pink) (%)
2	650 632 C1	CABLE, master switch to negative terminal on battery	22	650 668 C1	CABLE, fender connector to fender connector
3	624 397 C2	CABLE, battery to battery long	23		CABLE, cab circuit breaker to cab (To be supplied by cab vendor)
4	253 738 R92	CABLE, battery to battery short (2)	24	740 765 C1	CABLE, fender connector to rear lamp connector (Pink)
5	650 657 C2	CABLE, positive terminal on battery to "B" terminal on solenoid	25	715 631 C1	CABLE, instrument lamps to resistor
6	345 582 R92	CABLE, master switch to frame terminal on solenoid	26		CABLE, dash connector to "H" terminal on light switch (Dark Blue) (*)
7		CABLE, "B" terminal on solenoid to "H" terminal on magnetic switch (Red) (%)	27		CABLE, dash connector to positive terminal on voltmeter (Red) (*)
8		CABLE, "B" terminal on solenoid to output on alternator (Red) (%)	28		CABLE, dash connector to starting switch (Black/Red) (*)
9	709 129 C1	CABLE, cab circuit breaker to magnetic switch (Only used on machines equipped w/Air Conditioned Cab)(+)	29		CABLE, dash connector to "R" terminal on light switch (Pink) (*)
10		CABLE, "S" terminal on solenoid to magnetic switch (White) (%)	30		CABLE, dash connector to instrument panel ground screw (*)
11		CABLE, fender connector to magnetic switch (White) (%)	31		CABLE, starting switch to positive terminal on voltmeter (Red) (*)
12		CABLE, start switch to ether switch (White) (Refer to "Ether Injector-Electric")	32	650 357 C1	CABLE, starting switch to horn switch
13		CABLE, dash connector to ether valve (Light Blue) (%)	33	681 723 C1	CABLE, horn switch to horn connector
14		CABLE, dash connector to fender connector (Black/Red) (%)	34		CABLE, positive on voltmeter to circuit breaker (Orange) (*)
15		CABLE, ground terminal on alternator to frame terminal on cranking motor (%)	35		CABLE, circuit breaker to "B" terminal on light switch (Orange) (*)
16		CABLE, dash connector to "H" terminal on magnetic switch (Red) (%)	36		CABLE, negative on voltmeter to instrument panel ground screw (*)
17		CABLE, dash connector to magnetic switch mounting bolt (%)	37	650 638 C1	CABLE, resistor to "H" terminal on light switch
18		CABLE, magnetic switch to magnetic switch mounting bolt (%)	38	650 651 C1	CABLE, front lamp connector to RH front lamp (\$)

(&) - Order SAFETY STARTING SWITCH HARNESS
 (%) - Order MAIN HARNESS
 (*) - Order INSTRUMENT HARNESS

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Custom Applications) 4181 and up		
<u>CABLES – Continued</u>		
39	703 060 C1	CABLE, RH front lamp to LH front lamp (\$)
40	621 834 C1	CABLE, rear lamp connector to LH rear lamp (\$)
41	709 155 C1	CABLE, (@)
44	664 937 C1	CABLE, horn (neg) to horn mounting bolt
45		CABLE, dash connector to ether start switch (Light Blue) (*)
46	709 064 C1	CABLE, voltmeter (pos) to hourmeter (pos) connector
47	709 155 C1	CABLE, hourmeter (neg) to engine oil pressure switch
MAIN COMPONENTS		
101		LIGHT ASSY., RH and LH front (Refer to "HEADLIGHTS") (\$)
102		MOTOR ASSY., cranking (Refer to Engine Parts Catalog,EPC-400)
103		ALTERNATOR ASSY., (Heavy Duty) (For components see list of parts in "Engine Parts Catalog EPC-400 and EPC-400B")
104	213 383 H 120 361 436 574 121 801	BREAKER, circuit (50 amp) NUT (2) SCREW, hex-hd cap (2) WASHER, internal tooth (2)
105	706 125 C2 120 376 120 614 25 222 R1 174 878 120 214 120 217	SWITCH, magnetic NUT, 5/16" (2) NUT, No. 10 (2) SCREW, 3/4" long hex-hd cap(2) WASHER, 1/4" int.tooth lock(2) WASHER, 5/16" lock (2) WASHER, No. 10 lock (2)
106		SWITCH, engine oil pressure (Refer to "Gauge Piping")
107		SWITCH, starting (Refer to "START-ING SWITCH")
108		VOLTMETER (Refer to "INSTRUMENT and INSTRUMENT PANEL")

REF. NO.	PART NUMBER	DESCRIPTION
109		SWITCH, lighting (Refer to "LIGHT-ING SWITCH")
110		HOURLMETER (Refer to "Instrument Panel and Gauges")
111	23 872 R1	LAMP, instrument panel (5)
112	706 142 C1 110 633 110 487 106 497	BREAKER, circuit (15 amp) NUT (2) SCREW, fil-hd-slt (2) WASHER, lock (2)
113	736 130 C1 OR	HORN, electric warning
113	737 365 C1 189 295 21 622 R1 25 534 R1 740 353 C1	HORN, electric warning BOLT (2) NUT (2) WASHER (2) PLATE, name
114		BATTERIES (Refer to "BATTERY and BATTERY SUPPORT") (4)
115		SWITCH, master (Refer to "MASTER SWITCH")
116		LIGHT ASSY., LH rear (Refer to "HEADLIGHT and REAR LIGHT")(\$)
117	683 729 C1	PULLEY, alternator
118		VALVE, ether starting (Refer to "ETHER INJECTOR- Electric")
119		SWITCH, ether starting (Refer to "ETHER INJECTOR - Electric")
120	627 670 C1 OR	SWITCH, horn
120	453 453 C1	SWITCH, horn
121		RESISTOR (Refer to "INSTRUMENT PANEL AND GAUGES")
<u>CLIPS AND CLAMPS</u>		
A	299 410 C1	CLAMP, instrument harness (On LH bolt of water temperature gauge)
C	358 902 R1	CLIP, on top front bolt of decelerator mounting bracket
D	622 965 C1	CLIP, welded
E	362 120 R1	CLIP, main harness (On bottom screw of water pump manifold)
(*) - Order INSTRUMENT HARNESS (\$) - Part of electric lighting attachment		

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Custom Applications) 4181 and up			AB	308 581 R1	CLAMP, battery to solenoid cable (On hydraulic cooler hose clamp on LH fender)
<u>CLIPS AND CLAMPS — Continued</u>			AC	263 717 R91	CLIP (On LH rear bolt of seat frame support cross bar)
F	308 581 R1	CLIP, battery terminal (On bottom RH screw of control tower cover)	AD	267 787 R91	CLIP, master switch to cranking motor cable (On RH bottom bolt of seat frame support cross bar)
G	604 388 C91	CLIP, main harness (On top mounting bolt of magnetic switch)	AE	702 093 C1	STRAP (cable No. 19 to main harness) (10)
H	604 388 C91	CLIP (On LH top bolt of clutch housing — under lug)		702 093 C1	STRAP (4)
J	604 388 C91	CLIP (On RH rear bolt of center platform support)	AG	702 093 C1	STRAP, ether cable to hose from pump to thermostat housing
K	616 282 C1	CLAMP (On top bolt on shift housing — behind shift lever)	<u>GROMMETS</u>		
L	384 554 R1	CLIP, on horn inner mounting bolt(##)	AA	338 065 R1	GROMMET, front lamp cable (On sides of radiator guard top header) (2) (\$)
M	622 965 C1	CLIP, welded	BB	112 745	GROMMET (On RH seat side sheet) (On hydraulic application only)
N	622 966 C1	CLIP, welded	CC	63 323 D	GROMMET (On LH side of dash)
P	362 120 R1	CLIP, RH front lamp cable (On RH bottom, center and top fan shroud mounting bolts) (3)	<u>HARNESS</u>		
Q	263 717 R1	CLIP, front lamp cable (On lamp swivel bolts) (\$) (2)	740 707 C1	HARNESS, main (Consists of Ref.Nos. 7, 8, 10, 11, 13 thru 18, 20 and 21)	
R	264 186 R1	CLIP, welded on radiator guard header plate (2)	121 743	NUT	
S	263 514 R91	CLIP, lamp cable (On rear inner bolt of lamp bracket) (\$)	121 744	WASHER, No. 12 flat	
T	362 120 R1	CLIP, rear lamp cable (On top and bottom rear bolts of seat side sheet) (2)	120 217	WASHER, No. 19 flat	
V	740 110 C1	CLIP (On center bolt on lube filter manifold bottom)	668 189 C3	HARNESS, instrument (Consists of Ref. Nos. 26 thru 31, 34, 35 36 and 45)	
W	740 110 C1	CLIP (On breather tube mounting bolt)	115 999	NUT, No. 10 (2)	
X	740 110 C1	CLIP (on alternator bracket rear mounting bolt)	25 662 R1	SCREW	
Y	604 388 C91	CLIP, main harness (On tapped hole on front frame above cranking motor)	115 707	WASHER, lock	
	24 838 R1	SCREW, hex-hd cap	178 387	WASHER, int-ext tooth lock (2)	
	115 093	WASHER, lock	740 766 C1	HARNESS, fender (Consists of Ref. Nos. 22, 23 and 24)	
Z	616 282 C1	CLAMP, battery to solenoid cable (On rear bottom bolt of transmission filter mounting bracket)	650 515 C1	HARNESS, safety starting switch (Consists of Ref. Nos. 32 and 33)	
	24 838 R1	SCREW, hex-hd cap			
	115 093	WASHER, lock			

(\$) - Part of electric lighting attachment.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

ELECTRIC STARTING AND LIGHTING – Continued (For Custom Applications) 4181 and up

MISCELLANEOUS

629 486 C92 ATTACHMENT, electric lighting (Not
for machines equipped with ROPS
Canopy or Cab)(See NOTE 3)

(Consists of—

1	CABLE	650 651 C1
1	CABLE	703 060 C1
1	CABLE	621 834 C1
2	CLIP	263 717 R91
1	CLIP	263 514 R91
2	GROMMET	338 065 R1
2	GUARD	624 359 C2
1	GUARD	651 628 C1
3	LAMP	338 814 R91
3	LOCKWASHER	138 530
4	NUT	271 500
6	NUT	120 371
3	SCREW	181 709
12	SCREW	179 860
3	SWIVEL	303 706 R1
12	WASHER	103 322
8	WASHER	103 342
4	WASHER	25 637 R1
6	WASHER	120 384)

663 156 C91 ATTACHMENT, electric lighting(For
use on machines equipped with
ROPS Canopy but not with Front
Sweep attachment) (Also for mach-
ines equipped with cab)(See NOTE 3)

(Consists of—

1	BRACKET	651 948 C1
1	CABLE	650 651 C1
1	CABLE	703 060 C1
1	CABLE	621 834 C1
2	CLIP	263 717 R91
1	CLIP	263 514 R91
2	GROMMET	338 065 R1
2	GUARD	624 359 C1
3	LAMP	338 814 R91
2	NUT	271 500
6	NUT	120 371
3	SCREW	181 709
10	SCREW	179 860
3	SWIVEL	303 706 R1
10	WASHER	103 322
8	WASHER	103 342
2	WASHER	25 637 R1
6	WASHER	120 384

632 304 C91 ATTACHMENT, electric lighting (For
use on machines equipped with ROPS
Front Sweep attachment)(Not for
machines equipped with cab)(See
NOTE 3)

(Consists of—

1	BRACKET	651 948 C1
1	CABLE	650 653 C1
1	CABLE	663 113 C1
1	CABLE	621 834 C1
1	CLIP	263 514 R91
2	CLIP	276 956 R91
1	DRAWING	CZG 1330
1	GROMMET	338 065 R1
1	GUARD	663 058 C1
3	LAMP	338 814 R91
2	NUT	271 500
6	NUT	120371
6	SCREW	179 860
3	SCREW	181 709
3	SWIVEL	303 706 R1
6	WASHER	103 322
4	WASHER	103 342
2	WASHER	25 637 R1
6	WASHER	120 384)

NOTE 3: - Field Application — Order through
Regular Parts Channels.

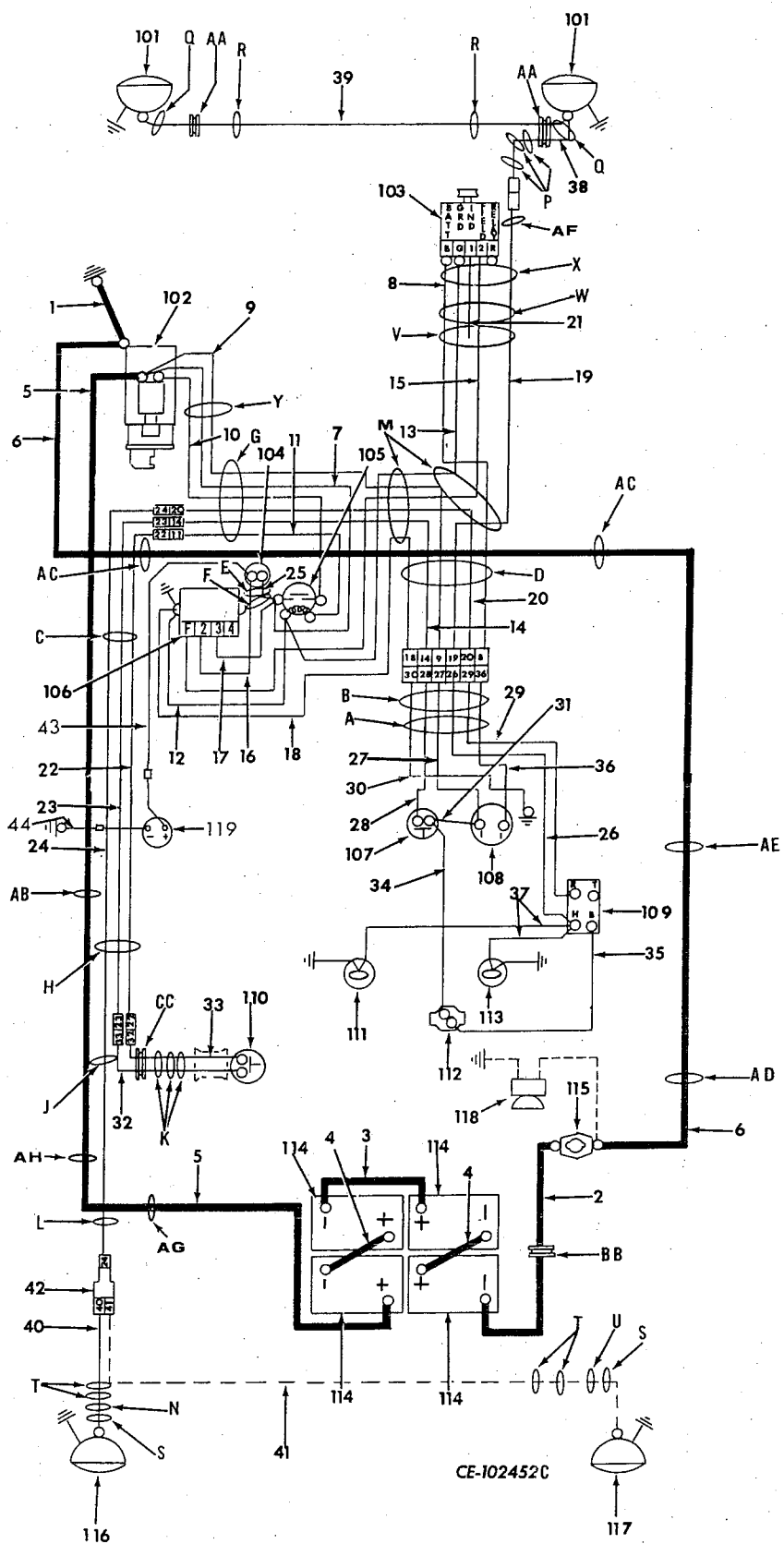
ELECTRICAL

MEMORANDA

ELECTRICAL

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

ELECTRIC STARTING AND LIGHTING (For Power Shift Not Equipped with Cab) 3386 and below



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Power Shift Not Equipped with Cab) 3386 and below			21		CABLE, dummy (%)
			22		CABLE, fender connector to safety starting switch connector (White) (¢)
		<u>CABLES</u>			
1	297 909 R92	CABLE, frame terminal on cranking motor to tapped hole in front frame	23		CABLE, fender connector to safety starting switch connector (Black/Red) (¢)
	138 549	WASHER, int. tooth lock (2)	24		CABLE, fender connector to rear lamp connector (Dark Blue) (¢)
2	650 632 C1	CABLE, master switch to negative terminal on battery	25	283 983 R91	CABLE, magnetic switch to engine oil pressure switch (Yellow) (%)
3	624 397 C2	CABLE, battery to battery long	26		CABLE, dash connector to "H" terminal to light switch (Dark Green) (*)
4	253 738 R92	CABLE, battery to battery short (2)	27		CABLE, dash connector to positive terminal on ammeter (Red) (*)
5	650 657 C2	CABLE, positive terminal on battery to "B" terminal on solenoid	28		CABLE, dash connector to starting switch (Black/Red) (*)
6	345 582 R92	CABLE, master switch to frame terminal on solenoid	29		CABLE, dash connector to "R" terminal on light switch (Dark Blue) (*)
7		CABLE, "B" terminal on solenoid to negative switch (Red) (%)	30		CABLE, dash connector to instrument panel ground screw (*)
8		CABLE, dash connector to "B" terminal on alternator (Brown) (%)	31		CABLE, starting switch to positive terminal on ammeter (Red) (*)
9		CABLE, "B" terminal on solenoid to dash connector (Red) (%)	32		CABLE, safety starting switch connector to starting switch (Black/Red) (&)
10		CABLE, "S" terminal on solenoid to magnetic switch (White) (%)	33		CABLE, safety starting switch connector to starting switch (White) (&)
11		CABLE, fender connector to magnetic switch (White) (%)	34		CABLE, start switch to circuit breaker (Orange) (*)
12		CABLE, magnetic switch to regulator mounting bolt ground (%)	35		CABLE, circuit breaker to "B" terminal on light switch (Orange) (*)
13		CABLE, magnetic switch to ground terminal on alternator ground (%)	36		CABLE, dash connector to negative terminal on ammeter (Brown) (*)
14		CABLE, dash connector to fender connector (Black/Red) (%)	37		CABLE, instrument panel lamp to "H" terminal on light switch (Order PACKAGE, 603 467 C91) (2)
15		CABLE, No. 2 terminal on alternator to "F" terminal on regulator (Light Green) (%)			
16		CABLE, No. 2 terminal on regulator to engine oil pressure switch (Light Blue) (%)			
17		CABLE, No. 3 terminal on regulator to magnetic switch (Orange) (%)			
18		CABLE, dash connector to regulator mounting bolt ground (%)			
19		CABLE, dash connector to front lamp connector (Dark Green) (%)			
20		CABLE, dash connector to fender connector (Dark Blue) (%)			
			(&) -		Order SAFETY STARTING SWITCH HARNESS.
			(¢) -		Order FENDER HARNESS.
			(%) -		Order MAIN HARNESS.
			(*) -		Order INSTRUMENT HARNESS.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Power Shift Not Equipped with Cab) 3386 and below			110	621 771 C91 177 717 R1	SWITCH, safety starting NUT, face
<u>CABLES - Continued</u>			111		LAMP, instrument panel (Order PACKAGE, 603 467 C91)
38	650 651 C1	CABLE, front lamp connector to RH front lamp (\$)	112	124 087 H1 110 633 110 490 106 497	BREAKER, circuit (15 amp) NUT (2) SCREW, fil-hd-slt (2) WASHER, lock (2)
39	703 060 C1	CABLE, RH front lamp to LH front lamp (Not for machines equipped with ROPS Front Sweep Attach- ment) (\$)	113		LAMP, instrument panel (Order PACKAGE, 603 467 C91)
39	663 113 C1	CABLE, RH front lamp to LH front lamp (For machines equipped with ROPS Front Sweep Attachment) (\$)	114		BATTERIES (Refer to "BATTERY and BATTERY SUPPORT") (4)
40	621 834 C1	CABLE, rear lamp connector to LH rear lamp (\$)	115		SWITCH, master (Refer to "MASTER SWITCH")
41	650 653 C1	CABLE, rear lamp connector to RH rear lamp (@) (\$)	116		LIGHT ASSY., LH rear (Refer to "HEADLIGHT and REAR LIGHT") (\$)
42	283 983 R91	CONNECTOR, rear lamp cable "Y" (\$)	117		LIGHT ASSY., RH rear auxiliary (Refer to "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT) (@)
43	709 155 C1	CABLE, hourmeter to engine oil pressure switch 3337 to 3386	118		ATTACHMENT, back-up alarm (Refer to "ALARM BACK-UP")
44	271 066 R92	CABLE, hourmeter to ground 3337 to 3386	119	709 145 C2 OR 715 916 C1	HOURLMETER 3337 to 3386 HOURLMETER
<u>MAIN COMPONENTS</u>			<u>CLIPS AND CLAMPS</u>		
101		LIGHT ASSY., RH and LH front (Refer to "HEADLIGHT") (\$)	A	299 410 C1	CLAMP, instrument harness (On LH bolt of water temperature gauge)
102		MOTOR ASSY., cranking (Refer to Engine Parts Catalog, EPC-400)	B		CLIP, welded
103		ALTERNATOR ASSY. (Refer to Engine Parts Catalog EPC-400)	C	267 787 R91	CLIP, on front MTG bolt of Governor Pivot Bracket
104	663 392 C1	SWITCH, engine oil pressure	D		CLIP, welded
105	706 125 C2 120 376 120 614 171 034 25 222 R1 174 878 120 214 120 217	SWITCH, magnetic NUT, 5/16" (4) NUT, No. 10 (4) SCREW, 1" long hex-hd cap (2) SCREW, 3/4" long hex-hd cap (2) WASHER, 1/4" int. tooth lock (2) WASHER, 5/16" lock (4) WASHER, No. 10 lock (4)	E	366 460 R1	CLIP, main harness (On LH mounting bolt of pressure tube junction block)
106		REGULATOR, voltage (Refer to "VOLTAGE REGULATOR")	F		CLIP, welded
107		SWITCH, starting (Refer to "STARTING SWITCH")	G	604 388 C91	CLIP, main harness (On top mounting bolt of magnetic switch)
108		AMMETER (Refer to "INSTRUMENT and INSTRUMENT PANEL")	H	363 444 R1 25 653 R1 116 120	CLIP, fender harness (On LH fender in front of seat cross bar) BOLT, hex-hd cap WASHER, lock
109		SWITCH, lighting (Refer to "LIGHT- ING SWITCH")	J	363 660 R1 25 534 R1	CLIP, fender harness (On bottom RH control tower cover mounting bolt) WASHER, flat
			K		CLIP, welded (3)

(@) - Part of RH auxiliary rear lamp attachment.
(\$) - Part of electric lighting attachment.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Power Shift Not Equipped with Cab) 3386 and below					
<u>CLIPS AND CLAMPS - Continued</u>					
L	264 164 R91	CLIP, rear lamp cable (On LH bottom battery support frame)	AE	616 282 C1	CLIP, master switch to cranking motor cable (On hole above brake pedal bracket)
M		CLIP, welded		25 522 R1	NUT
N		CLIP, welded		24 840 R1	SCREW, hex-hd cap
P	362 120 R1	CLIP, RH front lamp cable (On RH bottom, center and top fan shroud mounting bolts) (3)		115 093	WASHER, lock
Q	263 717 R91	CLIP, front lamp cable (On lamp swivel bolts (\$) (2)		25 534 R1	WASHER, flat
R		CLIP, welded (2)	AF	362 120 R1	CLIP, main harness (On bottom bolt of water pump manifold)
S	263 514 R91	CLIP, lamp cable (On rear inner bolt of lamp bracket) (@) (\$) (2)	AG	308 581 R1	CLAMP, battery to cranking motor cable (On bottom RH bolt of control tower cover)
T	362 120 R1	CLIP, rear lamp cable (On top and bottom rear bolts of seat side sheet) (@) (4)	AH	616 282 C1	CLIP, battery to cranking motor cable (On rear bottom bolt of transmission pressure filter mounting bracket)
U	362 120 R1	CLIP, lamp cable (On top inner bolt on front of fuel tank) (@)		276 956 R91	CLIP, front lamp cable (On center bolt of front lamp bracket) (\$)
V	103 213 H	CLIP (On center bolt on lube filter manifold bottom)	<u>GROMMETS</u>		
W	399 657 R1	CLIP (On breather tube front mounting bolt)	AA	338 065 R1	, front lamp cable (On sides of radiator guard top header) (\$) (2)
X	399 657 R1	CLIP (On alternator bracket rear mounting bolt)	BB	112 745	GROMMET (On RH seat side sheet) (On hydraulic application only)
Y	363 444 R1	CLIP, main harness (On tapped hole on front frame above cranking motor)	CC	325 453 R2	GROMMET (On front frame rear LH side)
	24 838 R1	SCREW, hex-hd cap		273 406 R1	GROMMET, panel light (Part of PACKAGE, 603 467 C91) (2)
	115 093	WASHER, lock			
AB	308 581 R1	CLAMP, battery to solenoid cable (On hydraulic cooler hose clamp on LH fender)			
AC	604 388 C91	CLIP, master switch to cranking motor cable (On RH and LH upper bolts on torque converter housing) (2)			
AD	267 787 R91	CLIP, master switch to cranking motor cable (On RH bottom bolt to seat frame support cross bar)			

(@) - Part of RH auxiliary rear lamp attachment.

(\$) - Part of electric lighting attachment.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Power Shift Not Equipped with Cab) 3386 and below					
	HARNESS				
650 661 C2		HARNESS, main (Consists of Ref. Nos. 6 thru 21 and 25)	663 145 C91		ATTACHMENT, RH rear auxiliary lamp (For use on machines equipped with ROPS Canopy and Electric Lighting) (See NOTE 4) (Consists of -
121 743		NUT	1	BRACKET	651 948 C1
121 744		WASHER, No. 12 flat	1	CABLE	650 653 C1
120 217		WASHER, No. 19 flat	1	CLIP	263 514 R91
			3	CLIP	362 120 R1
650 655 C2		HARNESS, instrument (Consists of Ref. Nos. 26 thru 31, 34, 35 and 36)	1	LAMP	338 814 R91
115 999		NUT, No. 10 (2)	2	NUT	120 371
25 662 R1		SCREW	2	NUT	271 500
115 707		WASHER, lock	1	SCREW	181 709
178 387		WASHER, int-ext tooth lock (2)	2	SCREW	179 860
			1	SWIVEL	303 706 R1
650 663 C1		HARNESS, fender (Consists of Ref. Nos. 22, 23 and 24)	2	WASHER	25 637 R1
650 515 C1		HARNESS, safety starting switch (Consists of Ref. Nos. 32 and 33)	2	WASHER	120 384)
	MISCELLANEOUS				
603 467 C91		PACKAGE, panel lamp service (Less bulbs) (Consists of DASH LIGHT, GROMMET, 273 406 R1 and WASHER, 273 405 R1) (2)	663 156 C91		ATTACHMENT, electric lighting (For use on machines equipped with ROPS Canopy, but not with Front Sweep Attachment) (See NOTE 3) (Consists of -
193 093		BULB, instrument panel (2)	1	BRACKET	651 948 C1
273 405 R1		WASHER, panel light (Part of PACKAGE, 603 467 C91) (2)	1	CABLE	650 651 C1
628 247 C92		ATTACHMENT, RH auxiliary rear lamp (Not for machines equipped with 260 Rear Cable Control Unit or ROPS Canopy) (See NOTE 4) (Consists of -	1	CABLE	703 060 C1
		1 CABLE 650 653 C1	1	CABLE	621 834 C1
		2 CLIP 362 120 R1	2	CLIP	263 717 R91
		1 CLIP 263 514 R91	1	CLIP	263 514 R91
		1 CLIP 362 120 R1	2	GROMMET	338 065 R1
		1 GUARD 651 628 C1	2	GUARD	624 359 C2
		1 LAMP 338 814 R91	3	LAMP	338 814 R91
		2 NUT 120 371	3	LOCKWASHER	138 530
		4 NUT 271 500	2	NUT	271 500
		4 SCREW 179 860	6	NUT	120 371
		1 SCREW 181 709	3	SCREW	181 709
		1 SWIVEL 303 706 R1	10	SCREW	179 860
		4 WASHER 25 637 R1	3	SWIVEL	303 706 R1
		4 WASHER 103 322	10	WASHER	103 322
		2 WASHER 120 384)	8	WASHER	103 342
			2	WASHER	25 637 R1
			6	WASHER	120 384)

NOTE 3 - Field Application - Order through Regular Parts Channels.

NOTE 4 - Attachment no longer available. Service parts will be furnished.

ELECTRICAL

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

ELECTRIC STARTING AND LIGHTING — Continued
 (For Power Shift Not Equipped with Cab)
 3386 and below

MISCELLANEOUS - Continued

629 486 C92 ATTACHMENT, electric lighting (Not
 for machines equipped with ROPS
 Canopy) (See NOTE 3)
 (Consists of -

1	CABLE	650 651 C1
1	CABLE	703 060 C1
1	CABLE	621 834 C1
2	CLIP	263 717 R91
1	CLIP	263 514 R91
2	GROMMET	338 065 R1
2	GUARD	624 359 C2
1	GUARD	651 628 C1
3	LAMP	338 814 R91
3	LOCKWASHER	
		138 530
4	NUT	271 500
6	NUT	120 371
3	SCREW	181 709
12	SCREW	179 860
3	SWIVEL	303 706 R1
12	WASHER	103 322
8	WASHER	103 342
4	WASHER	25 637 R1
6	WASHER	120 384)

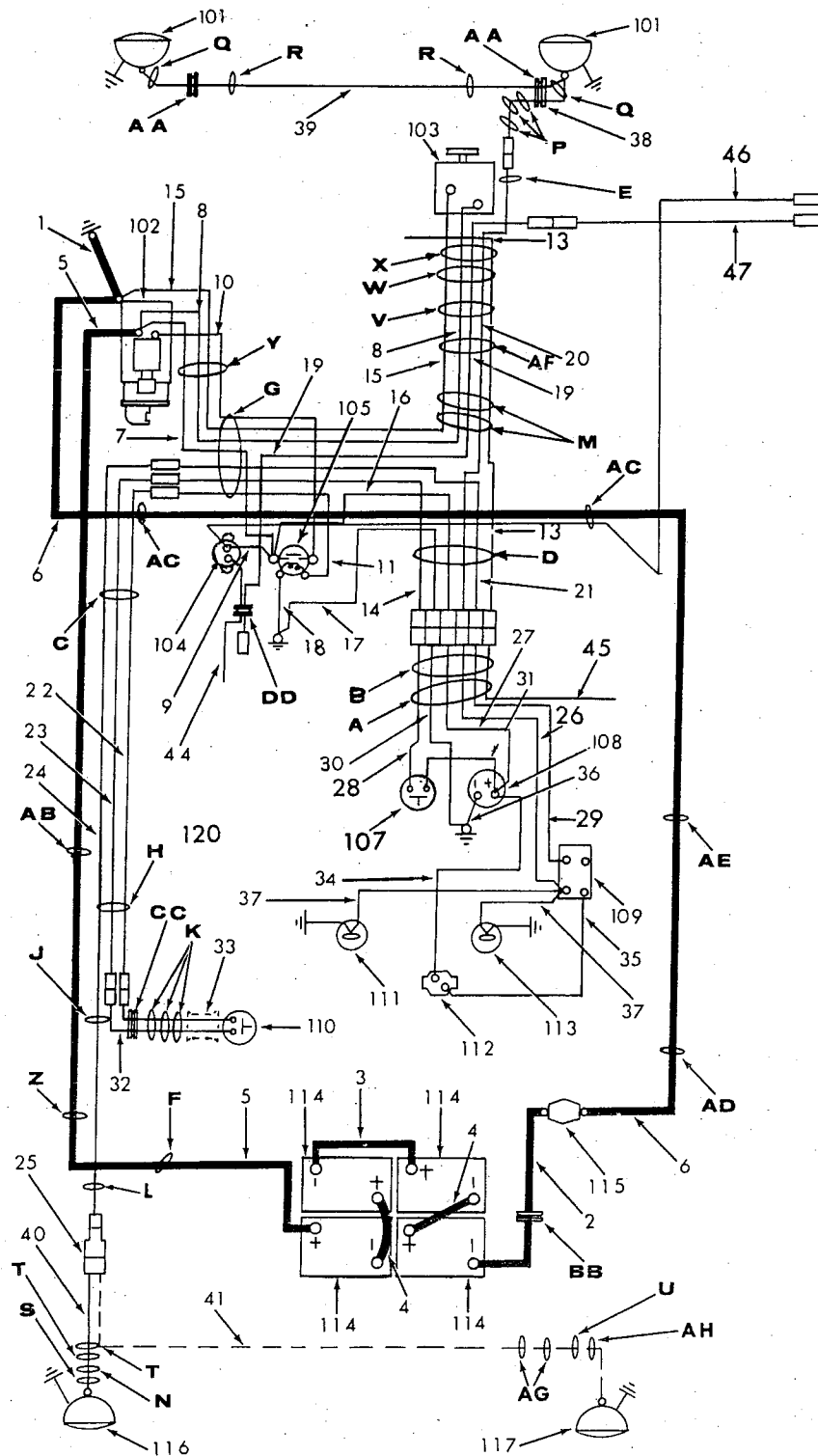
632 304 C91 ATTACHMENT, electric lighting
 (For use on machines equipped
 with ROPS Front Sweep Attach-
 ment) (See NOTE 3)
 (Consists of -

1	BRACKET	651 948 C1
1	CABLE	650 653 C1
1	CABLE	663 113 C1
1	CABLE	621 834 C1
1	CLIP	263 514 R91
2	CLIP	276 956 R91
1	DRAWING	CZG-1330
1	GROMMET	338 065 R1
1	GUARD	663 058 C1
3	LAMP	338 814 R91
3	LOCKWASHER	
		138 530
2	NUT	271 500
6	NUT	120 371
6	SCREW	179 860
3	SCREW	181 709
3	SWIVEL	303 706 R1
6	WASHER	103 322
4	WASHER	103 342
2	WASHER	25 637 R1
6	WASHER	120 384)

NOTE 3 - Field Application — Order through
 Regular Parts Channels.

ELECTRICAL

ELECTRIC STARTING AND LIGHTING (For Power Shift Equipped with Cab) 3386 and below



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Power Shift Equipped with Cab) - Continued 3386 and below			16		CABLE, dash connector to "H" terminal on magnetic switch (Red) (Order main HARNESS, 706 047 C3)
		<u>CABLES</u>	17		CABLE, dash connector to magnetic switch mounting bolt (%)
1	297 909 R92	CABLE, frame terminal on cranking motor to tapped hole in front frame	18		CABLE, magnetic switch to magnetic switch mounting bolt (%)
	138 549	WASHER, int. tooth lock (2)	19		CABLE, magnetic clutch connector to cab magnetic clutch connector (Black/Orange) (Only used on air conditioned cabs) (Part of main HARNESS, 632 317 C1)
2	650 632 C1	CABLE, master switch to negative terminal on battery	19	709 130 C1	CABLE, magnetic clutch connector to cab magnetic clutch connector (Only used on air conditioned cabs) (+)
3	624 397 C2	CABLE, battery to battery long	20		CABLE, dash connector to front lamp connector (Dark Blue) (%)
4	253 738 R92	CABLE, battery to battery short (2)	21		CABLE, dash connector to fender connector (Pink) (%)
5	650 657 C2	CABLE, positive terminal on battery to "B" terminal on solenoid	22		CABLE, fender connector to safety starting switch connector (White) (&)
6	345 582 R92	CABLE, master switch to frame terminal on solenoid	23		CABLE, fender connector to safety starting switch connector (Black/Red) (&)
7		CABLE, "B" terminal on solenoid to circuit breaker (Red) (Part of main HARNESS, 632 317 C1)	24		CABLE, fender connector to rear lamp connector (Pink) (&)
7		CABLE, "B" terminal on solenoid to "H" terminal on magnetic switch (Red) (Order main HARNESS, 706 047 C3)	25	283 983 R91	"Y" CONNECTOR CABLE
8		CABLE, "B" terminal on solenoid to output on alternator (Red) (%)	26		CABLE, dash connector to "H" terminal on light switch (Dark Blue) (*)
9		CABLE, cab circuit breaker to magnetic switch (Red) (Part of main HARNESS, 632 317 C1)	27		CABLE, dash connector to positive terminal on voltmeter (Red) (*)
9	709 129 C1	CABLE, cab circuit breaker to magnetic switch (+)	28		CABLE, dash connector to starting switch (Black/Red) (*)
10		CABLE, "S" terminal on solenoid to magnetic switch (White) (%)	29		CABLE, dash connector to "R" terminal on light switch (Pink) (*)
11		CABLE, fender connector to magnetic switch (White) (%)	30		CABLE, dash connector to instrument panel ground screw (*)
12		NOT USED	31		CABLE, starting switch to positive terminal on voltmeter (Red) (*)
13		CABLE, tapped back (Light Blue) (Part of main HARNESS, 706 047 C3)	32		CABLE, safety starting switch connector to starting switch (Black/Red) (&)
14		CABLE, dash connector to fender connector (Black/Red) (%)	33		CABLE, safety starting switch connector to starting switch (White) (&)
15		CABLE, ground terminal on alternator to frame terminal on cranking motor (%)	34		CABLE, positive on voltmeter to circuit breaker (Orange) (*)
16		CABLE, dash connector to cab circuit breaker (Red) (Part of main HARNESS, 632 317 C1)	(&) - Order SAFETY STARTING SWITCH HARNESS. (&) - Order FENDER HARNESS. (%) - Order MAIN HARNESS. (*) - Order INSTRUMENT HARNESS. (+) - Part of Heavy Duty Alternator Attachment.		

ELECTRICAL

REF. PART
NO. NUMBER DESCRIPTION

ELECTRIC STARTING AND LIGHTING — Continued
(For Power Shift Equipped with Cab) - Continued
3386 and below

CABLES - Continued

35		CABLE, circuit breaker to "B" terminal on light switch (Orange) (*)
36		CABLE, negative on voltmeter to instrument panel ground screw (*)
37		CABLE, instrument panel lamp to "H" terminal on light switch (Part of LAMP, 650 381 C2) (+) (2)
38	650 651 C1	CABLE, front lamp connector to RH front lamp (\$)
39	703 060 C1	CABLE, RH front lamp to LH front lamp (\$)
40	650 652 C1	CABLE, rear lamp connector to LH rear lamp (\$)
41	650 653 C1	CABLE, rear lamp connector to RH rear lamp (@)
42		NOT USED
43		NOT USED
44		CABLE, cab circuit breaker to cab (To be supplied by cab vendor)
45		CABLE, tapped back (Light Blue) (*)
46	635 578 C1	CABLE, circuit breaker to air conditioner power connector ORANGE (Part of ATTACHMENT 710 462 C91)
47	635 577 C1	CABLE, magnetic clutch connector to air conditioner connector BLACK/ORANGE (Part of ATTACHMENT, 710 462 C91)

MAIN COMPONENTS

101		LIGHT ASSY., RH and LH front (Refer to "HEADLIGHT") (\$)
102		MOTOR ASSY., cranking (Refer to Engine Parts Catalog, EPC-400)
103	690 479 C91	ALTERNATOR ASSY., (Replaces 683 728 C91)(IH Heavy Duty)(For components see list of parts in Engine Parts Catalog EPC-400)(+)
	683 729 C1	PULLEY, alternator (+)
104	213 383 H1	BREAKER, circuit (50 amp) (+)
	120 361	NUT (2)
	436 574	SCREW, hex-hd cap (2)
	121 801	WASHER, internal tooth (2)
105	706 125 C2	SWITCH, magnetic
	120 376	NUT, 5/16" (4)
	120 614	NUT, No. 10 (4)
	171 034	SCREW, 1" long hex-hd cap (2)
	25 222 R1	SCREW, 3/4" long hex-hd cap (2)
	174 878	WASHER, 1/4" int. tooth lock (2)
	120 214	WASHER, 5/16" lock (4)
	120 217	WASHER, No. 10 lock (4)
106		NOT USED
107		SWITCH, starting (Refer to "STARTING SWITCH")

REF. NO.	PART NUMBER	DESCRIPTION
108		VOLTMETER (Refer to "INSTRUMENT and INSTRUMENT PANEL") (+)
109		SWITCH, lighting (Refer to "LIGHTING SWITCH")
110	621 771 C91 177 717 R1	SWITCH, safety starting NUT, face
111	650 381 C2	LAMP, instrument panel (+)
112	124 087 H1 110 633 110 490 106 497	BREAKER, circuit (15 amp) NUT (2) SCREW, fil-hd-slt (2) WASHER, lock (2)
113	650 381 C2	LAMP, instrument panel (+)
114		BATTERIES (Refer to "BATTERY and BATTERY SUPPORT") (4)
115		SWITCH, master (Refer to "MASTER SWITCH")
116		LIGHT ASSY., LH rear (Refer to "HEADLIGHT and REAR LIGHT") (\$)
117		LIGHT ASSY., RH rear auxiliary (Refer to "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (@)

CLIPS AND CLAMPS

A	299 410 C1	CLAMP, instrument harness (On LH bolt of water temperature gauge)
B		CLIP, welded
C	363 441 R1	CLIP, on LH fender
D		CLIP, welded
E	362 120 R1	CLIP, main harness (On bottom screw of water pump manifold)
F	308 581 R1	CLIP, battery terminal (On bottom RH screw of control tower cover)
G	622 963 C1	CLIP, main harness (On bottom mounting bolt of magnetic switch)
H	363 444 R1	CLIP, fender harness (On LH fender in front of seat cross bar)
	25 653 R1	BOLT, hex-hd cap
	116 120	WASHER, lock
J	363 660 R1	CLIP, fender harness (On rear RH control tower cover mounting bolt)
	25 534 R1	WASHER, flat

(*) - Order INSTRUMENT HARNESS
 (@) - Part of RH auxiliary rear lamp attachment.
 (\$) - Part of electric lighting attachment
 (+) - Part of Heavy Duty Alternator Attachment.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Power Shift Equipped with Cab) 3386 and below			AD	267 787 R91	CLIP, master switch to cranking motor cable (On RH bottom bolt of seat frame support cross bar)
<u>CLIPS AND CLAMPS - Continued</u>			AE	616 282 C1	CLIP, master switch to cranking motor cable (On bottom bolt of brake pedal bracket)
K		CLIP, welded (3)		25 522 R1	NUT
L	264 164 R91	CLIP, rear lamp cable (On LH bottom battery support frame)		24 840 R1	SCREW, hex-hd cap
M		CLIP, welded		115 093	WASHER, lock
N		CLIP, welded		25 534 R1	WASHER, flat
P	362 120 R1	CLIP, RH front lamp cable (On RH bottom, center and top fan shroud mounting bolts) (3)	AF	702 093 C1	STRAP (Cable No. 19 to main harness (10) (+))
Q	263 717 R91	CLIP, front lamp cable (On lamp swivel bolts (\$) (2))	AG	362 120 R1	CLIP, rear lamp cable (on top and bottom rear bolts of RH seat side sheet) (2) (@)
R		CLIP, welded (2)	AH	263 514 R91	CLIP, lamp cable (on rear inner bolt of lamp bracket) (@)
S	263 514 R91	CLIP, lamp cable (On rear inner bolt of lamp bracket (\$) (2))	<u>GROMMETS</u>		
T	362 120 R1	CLIP, rear lamp cable (On top and bottom rear bolts of seat side sheet) (2)	AA	338 065 R1	GROMMET, front lamp cable (On sides of radiator guard top header) (2) (\$) (2) (2))
U	362 120 R1	CLIP, lamp cable (On top inner bolt on front of fuel tank) (@)	BB	112 745	GROMMET (On RH seat side sheet) (On hydraulic application only)
V	267 788 R91	CLIP (On center bolt on lube filter manifold bottom)	CC	325 453 R2	GROMMET (on front frame rear LH side)
W	399 657 R1	CLIP (On breather tube mounting bolt)	DD	63 323 D	GROMMET (On LH side of dash) (+)
X	399 657 R1	CLIP (On alternator bracket rear mounting bolt)	<u>HARNESS</u>		
Y	267 788 R91	CLIP, main harness (On tapped hole on front frame above cranking motor)	632 317 C1		HARNESS, main (Consists of Ref. Nos. 7 thru 12 and 14 thru 21) (Order HARNESS, 706 047 C1; CABLE, 709 129 C1 and CABLE, 709 130 C1)
	24 838 R1	SCREW, hex-hd cap	706 047 C1		HARNESS, main (Consists of Ref. Nos. 7, 8, 10, 11, 13 thru 18, 20 and 21) (+)
	115 093	WASHER, lock	121 743		NUT
Z	616 282 C1	CLAMP, battery to solenoid cable (On rear bottom bolt of transmission filter mounting bracket)	121 744		WASHER, No. 12 flat
	24 838 R1	SCREW, hex-hd cap	120 217		WASHER, No. 19 flat
	115 093	WASHER, lock			
AB	308 581 R1	CLAMP, battery to solenoid cable (On hydraulic cooler hose clamp on LH fender)			
AC	604 388 C91	CLIP, master switch to cranking motor cable (On RH and LH upper bolts on torque converter housing) (2)			

(+) - Part of Heavy Duty Alternator Attachment.
 (@) - Part of RH auxiliary rear lamp attachment.
 (\$) - Part of electric lighting attachment

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

ELECTRIC STARTING AND LIGHTING — Continued
(For Power Shift Equipped with Cab)
3386 and below

HARNESS - Continued

668 189 C2	HARNESS, instrument (Consists of Ref. Nos. 26 thru 31, 34, 35, 36 and 45) (+)
115 999	NUT, No. 10 (2)
25 662 R1	SCREW
115 707	WASHER, lock
178 387	WASHER, int-ext tooth lock (2)
650 663 C1	HARNESS, fender (Consists of Ref. Nos. 22, 23 and 24)
650 515 C1	HARNESS, safety starting switch (Consists of Ref. Nos. 32 and 33)

MISCELLANEOUS

663 145 C91	ATTACHMENT, RH rear auxiliary lamp (See NOTE 4) (Consists of -
	1 BRACKET 651 948 C1
	1 CABLE 650 653 C1
	1 CLIP 263 514 R91
	3 CLIP 362 120 R1
	1 LAMP 338 814 R91
	2 NUT 120 371
	2 NUT 271 500
	1 SCREW 181 709
	2 SCREW 179 860
	1 SWIVEL 303 706 R1
	2 WASHER 25 637 R1
	2 WASHER 120 384)

663 156 C91	ATTACHMENT, electric lighting (See NOTE 3) (Consists of -
	1 BRACKET 651 948 C1
	1 CABLE 650 651 C1
	1 CABLE 703 060 C1
	1 CABLE 621 834 C1
	2 CLIP 263 717 R91
	1 CLIP 263 514 R91
	2 GROMMET 338 065 R1
	2 GUARD 624 359 C2
	3 LAMP 338 814 R91
	3 LOCKWASHER 138 530
	2 NUT 271 500
	6 NUT 120 371
	3 SCREW 181 709
	10 SCREW 179 860
	3 SWIVEL 303 706 R1
	10 WASHER 103 322
	8 WASHER 103 342
	2 WASHER 25 637 R1
	6 WASHER 120 384)

REF. NO.	PART NUMBER	DESCRIPTION
709 302 C91	ATTACHMENT, heavy duty alternator (See NOTE 3) (Consists of -	
	1 ALTERNATOR 683 728 C91	
	2 BOLT 436 574	
	1 BREAKER 213 383 H1	
	1 CABLE 709 129 C1	
	1 CABLE 709 130 C1	
	2 CLIP 604 388 C91	
	1 CLIP 622 963 C1	
	1 GROMMET 63 323 D	
	1 HARNESS 668 189 C2	
	1 HARNESS 706 047 C1	
	2 LAMP 650 381 C2	
	2 NUT 120 361	
	1 PLUG 444 571	
	1 PULLEY 683 729 C1	
	10 STRAP 702 093 C1	
	1 TAG 1 085 499 R2	
	1 VOLTMETER 651 688 C2	
	2 WASHER 121 801)	

(+) - Part of Heavy Duty Alternator Attachment.

NOTE 3- Field Application - Order through Regular Parts Channels.

NOTE 4 - Attachment no longer available. Service parts will be furnished.

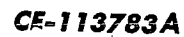
ELECTRICAL

MEMORANDA

ELECTRIC STARTING AND LIGHTING

(For Power Shift)

3387 to 4180



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Power Shift) 3387 to 4180			19	709 130 C1	CABLE, magnetic clutch connector to cab magnetic clutch connector (Black & Orange) (Cable used on air conditioning cab only)
<u>CABLES</u>			20		CABLE, dash connector to front lamp connector (Dark Blue) (%)
1	297 909 R92	CABLE, frame terminal on cranking motor to tapped hole in front frame	21		CABLE, dash connector to fender connector (Pink) (%)
	138 549	WASHER, int. tooth lock (2)	22		CABLE, fender connector to safety starting switch connector (White) (¢)
2	650 632 C1	CABLE, master switch to negative terminal on battery	23		CABLE, fender connector to safety starting switch connector (Black/Red) (¢)
3	624 397 C2	CABLE, battery to battery long	24		CABLE, fender connector to rear lamp connector (Pink) (¢)
4	253 738 R92	CABLE, battery to battery short (2)	25	283 983 R91	“Y” CONNECTOR
5	650 657 C2	CABLE, positive terminal on battery to “B” terminal on solenoid	26		CABLE, dash connector to “H” terminal on light switch (Dark Blue) (*)
6	345 582 R92	CABLE, master switch to frame terminal on solenoid	27		CABLE, dash connector to positive terminal on voltmeter (Red) (*)
7		CABLE, “B” terminal on solenoid to “H” terminal on magnetic switch (Red) (%)	28		CABLE, dash connector to starting switch (Black/Red) (*)
8		CABLE, “B” terminal on solenoid to output on alternator (Red) (%)	29		CABLE, dash connector to “R” terminal on light switch (Pink) (*)
9	709 129 C1	CABLE, cab circuit breaker to magnetic switch (Only used on machines equipped w/Cab) (+)	30		CABLE, dash connector to instrument panel ground screw (*)
10		CABLE, “S” terminal on solenoid to magnetic switch (White) (%)	31		CABLE, starting switch to positive terminal on voltmeter (Red) (*)
11		CABLE, fender connector to magnetic switch (White) (%)	32		CABLE, safety starting switch connector to starting switch (Black/Red) (&)
12		CABLE, start switch to ether switch (White) (Refer to “Ether Injector - Electric”)	33		CABLE, safety starting switch connector to starting switch (White) (&)
13		CABLE, dash connector to ether valve (Light Blue) (%)	34		CABLE, positive on voltmeter to circuit breaker (Orange) (*)
14		CABLE, dash connector to fender connector (Black/Red) (%)	35		CABLE, circuit breaker to “B” terminal on light switch (Orange) (*)
15		CABLE, ground terminal on alternator to frame terminal on cranking motor (%)	36		CABLE, negative on voltmeter to instrument panel ground screw (*)
16		CABLE, dash connector to “H” terminal on magnetic switch (Red) (%)	(&) - Order SAFETY STARTING SWITCH HARNESS. (¢) - Order FENDER HARNESS. (%) - Order MAIN HARNESS. (*) - Order INSTRUMENT HARNESS.		
17		CABLE, dash connector to magnetic switch mounting bolt (%)			
18		CABLE, magnetic switch to magnetic switch mounting bolt (%)			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

ELECTRIC STARTING AND LIGHTING — Continued
(For Power Shift)
3387 to 4180

CABLES - Continued

37		CABLE, instrument panel lamp to "H" terminal on light switch (Part of LAMP, 650 381 C2) (2)
38	650 651 C1	CABLE, front lamp connector to RH front lamp (\$)
39	703 060 C1	CABLE, RH front lamp to LH front lamp (\$)
40	650 652 C1	CABLE, rear lamp connector to LH rear lamp (\$)
41	650 653 C1	CABLE, rear lamp connector to RH rear lamp (@)
42		NOT USED
43		NOT USED
44		CABLE, cab circuit breaker to cab (To be supplied by cab vendor)
45		CABLE, dash connector to ether start switch (Light Blue) (*)
46	709 064 C1	CABLE, voltmeter (pos) to hourmeter (pos) connector
47	709 155 C1	CABLE, hourmeter (neg) to engine oil pressure switch
48	650 407 C1	CABLE, engine oil pressure switch to junction block mounting bolt (Not used with internal grounded pressure switch)
		3387 to #
49	635 578 C1	CABLE, circuit breaker to air conditioner power connector ORANGE (Part of ATTACHMENT, 710 462 C91)
50	635 577 C1	CABLE, magnetic clutch connector to air conditioner connector. BLACK/ORANGE (Part of ATTACHMENT, 710 462 C91)

MAIN COMPONENTS

101		LIGHT ASSY., RH and LH front (Refer to "HEADLIGHT") (\$)
102		MOTOR ASSY., cranking (Refer to "Engine Parts Catalog, EPC-400")
103		ALTERNATOR ASSY., (Delco) (For components see list of parts in "Engine Parts Catalog EPC-400")
103	683 728 C91	ALTERNATOR ASSY., (IH Heavy Duty) (For components see list of parts in "Engine Parts Catalog EPC-400") (+)
	683 729 C1	PULLEY, alternator (+)
104	213 383 H1	BREAKER, circuit (50 amp) (+)
	120 361	NUT (2)
	436 574	SCREW, hex-hd cap (2)
	121 801	WASHER, internal tooth (2)

REF. NO.	PART NUMBER	DESCRIPTION

105	706 125 C2	SWITCH, magnetic
	120 376	NUT, 5/16" (4)
	120 614	NUT, No. 10 (4)
	171 034	SCREW, 1" long hex-hd cap (2)
	25 222 R1	SCREW, 3/4" long hex-hd cap (2)
	174 878	WASHER, 1/4" int. tooth lock (2)
	120 214	WASHER, 5/16" lock (4)
	120 217	WASHER, No. 10 lock (4)
106		SWITCH, engine oil pressure (Refer to "GAUGE PIPING")
107		SWITCH, starting (Refer to "STARTING SWITCH")
108		VOLTMETER (Refer to "INSTRUMENT and INSTRUMENT PANEL")
109		SWITCH, lighting (Refer to "LIGHTING SWITCH")
110	621 771 C91	SWITCH, safety starting
	177 717 R1	NUT, face
111	650 381 C2	LAMP, instrument panel
112	124 087 H1	BREAKER, circuit (15 amp)
	110 633	NUT (2)
	110 490	SCREW, fil-hd-slt (2)
	106 497	WASHER, lock (2)
113	650 381 C2	LAMP, instrument panel
114		BATTERIES (Refer to "BATTERY and BATTERY SUPPORT") (4)
115		SWITCH, master (Refer to "MASTER SWITCH")
116		LIGHT ASSY., LH rear (Refer to "HEADLIGHT and REAR LIGHT") (\$)
117		LIGHT ASSY., RH rear auxiliary (Refer to "HEADLIGHT, REAR LIGHT and AUXILIARY REAR LIGHT") (@)
118		VALVE, ether starting (Refer to "ETHER INJECTOR - Electric")
119		SWITCH, ether starting (Refer to "ETHER INJECTOR - Electric")
120		HOURLMETER (Refer to "INSTRUMENT PANEL and GAUGES")

CLIPS AND CLAMPS

A	299 410 C1	CLAMP, instrument harness (On LH bolt of water temperature gauge)

- Serial Number Not Available.
 (*) - Order INSTRUMENT HARNESS.
 (@) - Part of RH auxiliary rear lamp attachment.
 (\$) - Part of electric lighting attachment.
 (+) - Part of Heavy Duty Alternator Attachment.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING — Continued (For Power Shift) 3387 to 4180			Z	616 282 C1	CLAMP, battery to solenoid cable (On rear bottom bolt of transmission filter mounting bracket)
				24 838 R1	SCREW, hex-hd cap
				115 093	WASHER, lock
CLIPS AND CLAMPS - Continued			AB	308 581 R1	CLAMP, battery to solenoid cable (On hydraulic cooler hose clamp on LH fender)
B		CLIP, welded	AC	604 388 C91	CLIP, master switch to cranking motor cable (On RH and LH upper bolts on torque converter housing) (2)
C	358 902 R1	CLIP, on top front bolt of decelerator mounting bracket	AD	267 787 R91	CLIP, master switch to cranking motor cable (On RH bottom bolt of seat frame support cross bar)
D		CLIP, welded	AE	616 282 C1	CLIP, master switch to cranking motor cable (On bottom bolt of brake pedal bracket)
E	362 120 R1	CLIP, main harness (On bottom screw of water pump manifold)		25 522 R1	NUT
F	308 581 R1	CLIP, battery terminal (On bottom RH screw of control tower cover)		24 840 R1	SCREW, hex-hd cap
G	604 388 C91	CLIP, main harness (On top mounting bolt of magnetic switch)		115 093	WASHER, lock
H	363 444 R1	CLIP, fender harness (On LH fender in front of seat cross bar)		25 534 R1	WASHER, flat
	25 653 R1	BOLT, hex-hd cap	AF	702 093 C1	STRAP (Cable No. 19 to main harness) (10) (+)
	116 120	WASHER, lock	AH	702 093 C1	STRAP, ether cable to hose from pump to thermostat housing
J	363 660 R1	CLIP, fender harness (On bottom RH control tower cover mounting bolt)	AJ	362 120 R1	CLIP, rear lamp cable (On top and bottom rear bolts of seat side sheet) (2) (@)
	25 534 R1	WASHER, flat	AK	263 514 R91	CLIP, rear lamp cable (On rear inner bolt of lamp bracket) (@)
K		CLIP, welded (3)	GROMMETS		
M		CLIP, welded	AA	338 065 R1	GROMMET, front lamp cable (On sides of radiator guard top header) (2) (\$)
N		CLIP, welded	BB	112 745	GROMMET (On RH seat side sheet) (On hydraulic application only)
P	362 120 R1	CLIP, RH front lamp cable (On RH bottom, center and top fan shroud mounting bolts) (3)	CC	325 453 R2	GROMMET (On front frame rear LH side)
Q	263 717 R91	CLIP, front lamp cable (On lamp swivel bolts (\$) (2)	DD	63 323 D	GROMMET (On LH side of dash) (+)
R		CLIP, welded (2)	HARNESS		
S	263 514 R91	CLIP, lamp cable (On rear inner bolt of lamp bracket (\$) (2)		706 047 C3	HARNESS, main (Consists of Ref. Nos. 7, 8, 10, 11, 13 thru 18, 20 and 21)
T	362 120 R1	CLIP, rear lamp cable (On top and bottom rear bolts of seat side sheet) (2)		121 743	NUT
U	362 120 R1	CLIP, lamp cable (On top inner bolt on front of fuel tank) (@)		121 744	WASHER, No. 12 flat
V	740 110 C1	CLIP (On center bolt on lube filter manifold bottom)		120 217	WASHER, No. 19 flat
W	740 110 C1	CLIP (On breather tube mounting bolt)	(@) - Part of RH auxiliary rear lamp attachment.		
X	740 110 C1	CLIP (On alternator bracket rear mounting bolt)	(\$) - Part of electric lighting attachment.		
Y	604 388 C91	CLIP, main harness (On tapped hole on front frame above cranking motor)	(+) - Part of Heavy Duty Alternator Attachment.		
	24 838 R1	SCREW, hex-hd cap			
	115 093	WASHER, lock			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING —Continued (For Power Shift) 3387 to 4180					
<u>HARNESS - Continued</u>					
668 189 C2		HARNESS, instrument (Consists of Ref. Nos. 26 thru 31, 34, 35, 36 and 45)	632 304 C91		ATTACHMENT, electric lighting (For use on machines equipped with ROPS Front Sweep attachment (Not for machines equipped with cab) (See NOTE 3) (Consists of -
115 999		NUT, No. 10 (2)		1 BRACKET	651 948 C1
25 662 R1		SCREW		1 CABLE	621 834 C1
115 707		WASHER, lock		1 CABLE	650 653 C1
178 387		WASHER, int-ext tooth lock (2)		1 CABLE	663 113 C1
650 663 C1		HARNESS, fender (Consists of Ref. Nos. 22, 23 and 24)		1 CLIP	263 514 R91
650 515 C1		HARNESS, safety starting switch (Consists of Ref. Nos. 32 and 33)		2 CLIP	276 956 R91
<u>MISCELLANEOUS</u>				1 DRAWING	CZG-1330
629 486 C92		ATTACHMENT, electric lighting (Not for machines equipped with ROPS Canopy or Cab) (See NOTE 3) (Consists of -		1 GROMMET	338 065 R1
		1 CABLE		1 GUARD	663 058 C1
		1 CABLE		3 LAMP	338 814 R9
		1 CABLE		3 LOCKWASHER	138 530
		1 CONNECTOR		2 NUT	271 500
		2 CLIP		6 NUT	120 371
		1 CLIP		6 SCREW	179 860
		2 GROMMET		3 SCREW	181 709
		2 GUARD		3 SWIVEL	303 706 R1
		1 GUARD		6 WASHER	103 322
		3 LAMP		4 WASHER	103 342
		3 LOCKWASHER		2 WASHER	25 637 R1
		4 NUT		6 WASHER	120 384)
		6 NUT	628 247 C92		ATTACHMENT, RH auxiliary rear lamp (Not for machines equipped w/260 Rear Cable Control Unit or ROPS Canopy or Cab) (See NOTE 4) (Consists of -
		3 SCREW		1 CABLE	650 653 C1
		12 SCREW		2 CLIP	362 120 R1
		3 SWIVEL		1 CLIP	263 514 R91
		12 WASHER		1 CLIP	362 120 R1
		8 WASHER		1 GUARD	651 628 C1
		4 WASHER		1 LAMP	338 814 R91
		6 WASHER		2 NUT	120 371
663 156 C91		ATTACHMENT, electric lighting (For use on machines equipped with ROPS Canopy but not with Front Sweep attachment) (Also for machines equipped with cab) (See NOTE 3) (Consists of -		4 NUT	271 500
		1 BRACKET		4 SCREW	179 860
		1 CABLE		1 SCREW	181 709
		1 CABLE		1 SWIVEL	303 706 R1
		1 CABLE		4 WASHER	25 637 R1
		2 CLIP		4 WASHER	103 322
		1 CLIP		2 WASHER	120 384)
		1 CONNECTOR			
		2 GROMMET			
		2 GUARD			
		3 LAMP			
		3 LOCKWASHER			
		2 NUT			
		6 NUT			
		3 SCREW			

NOTE 3 - Field Application - Order through Regular Parts Channels.

NOTE 4 - Attachment No Longer Available. Service Parts Will Be Furnished.

ELECTRICAL

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

ELECTRIC STARTING AND LIGHTING —Continued (For Power Shift) 3387 to 4180

MISCELLANEOUS - Continued

663 145 C91	ATTACHMENT, RH rear auxiliary lamp (For use on machines equipped with ROPS Canopy or cab and electric lighting) (See NOTE 4) (Consists of -				
	1 BRACKET	651 948 C1			
	1 CABLE	650 653 C1			
	1 CLIP	263 514 R91			
	3 CLIP	362 120 R1			
	1 LAMP	338 814 R91			
	2 NUT	120 371			
	2 NUT	271 500			
	1 SCREW	181 709			
	2 SCREW	179 860			
	1 SWIVEL	303 706 R1			
	2 WASHER	25 637 R1			
	2 WASHER	120 384)			
632 462 C91	ATTACHMENT, heavy duty alternator (See NOTE 2) (Consists of -				
	1 ALTERNATOR	683 728 C91			
	2 BOLT	436 574			
	1 BREAKER	213 383 H1			
	1 CABLE	709 129 C1			
	1 CABLE	709 130 C1			
	1 DRAWING	CZG 3362			
	1 GROMMET	63 323 D			
	2 NUT	120 361			
	1 PULLEY	683 729 C1			
	10 STRAP	702 093 C1			
	1 TAG	1 085 499 R2			
	2 WASHER	121 801)			

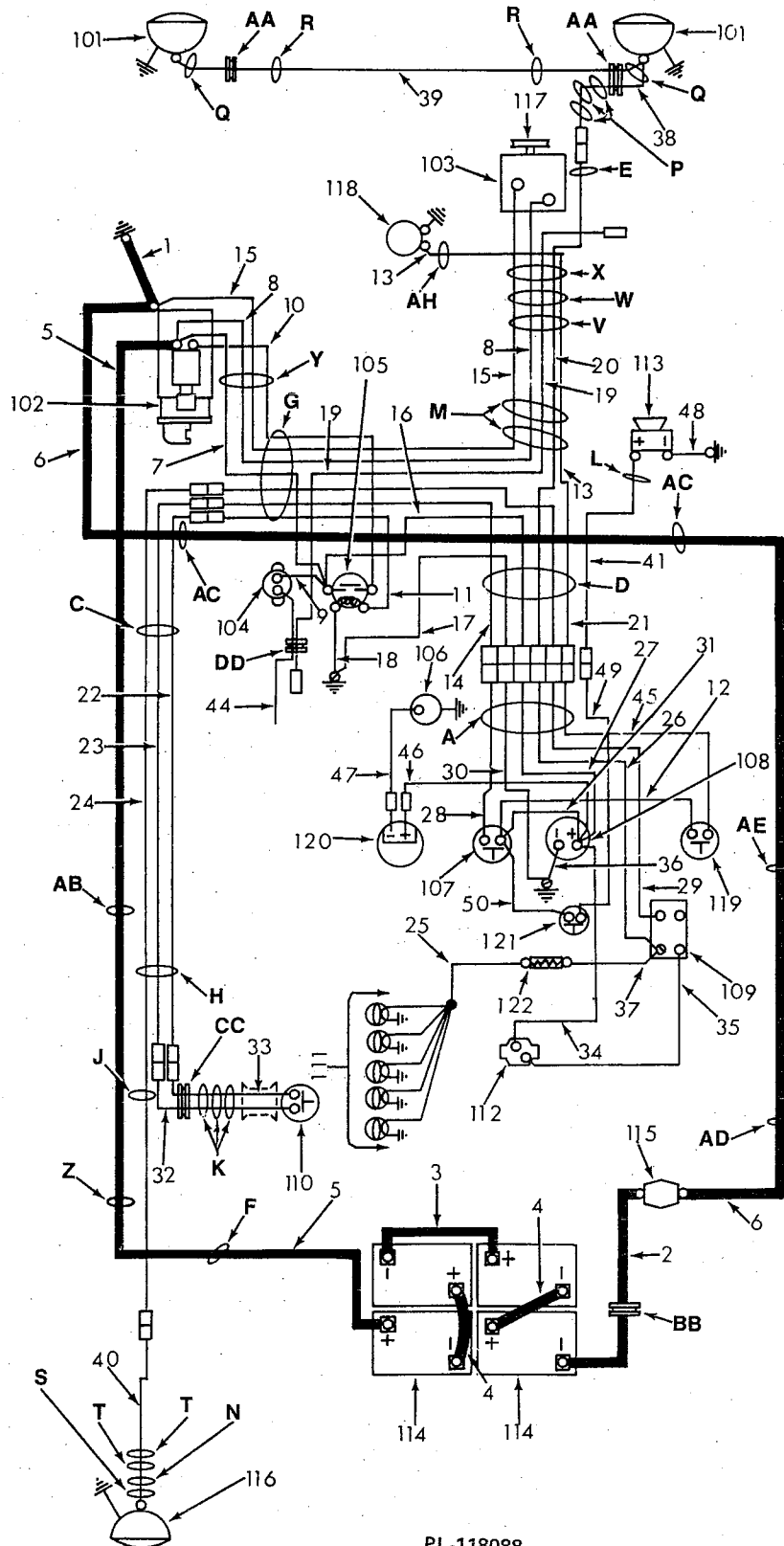
NOTE 2: - Field Application - Order on Machine Order Form.

NOTE 4 - Attachment No Longer Available.
Service Parts Will Be Furnished.

ELECTRICAL

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

ELECTRIC STARTING AND LIGHTING – Continued (For Power Shift) 4181 and up



PL-118088

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Power Shift) 4181 and up			19	709 130 C1	CABLE, magnetic clutch connector to cab magnetic clutch connector (Black & Orange) (Cable used on air conditioning cab only)
<u>CABLES</u>			20		CABLE, dash connector to front lamp connector (Dark Blue) (%)
1	740 184 C1	CABLE, frame terminal on cranking motor to tapped hole inside wall of frame	21		CABLE, dash connector to fender connector (Pink) (%)
2	650 632 C1	CABLE, master switch to negative terminal on battery	22		CABLE, fender connector to safety starting switch connector(White)(%)
3	624 397 C2	CABLE, battery to battery long	23		CABLE, fender connector to safety starting switch connector(Black/Red) (%)
4	253 738 R92	CABLE, battery to battery short (2)	24		CABLE, fender connector to rear lamp connector (Pink) (%)
5	650 657 C2	CABLE, positive terminal on battery to "B" terminal on solenoid	25	715 631 C1	CABLE, instrument lamps to resistor
6	345 582 R92	CABLE, master switch to frame terminal on solenoid	26		CABLE, dash connector to "H" terminal on light switch (Dark Blue)(*)
7		CABLE, "B" terminal on solenoid to "H" terminal on magnetic switch (Red) (%)	27		CABLE, dash connector to positive terminal on voltmeter (Red) (*)
8		CABLE, "B" terminal on solenoid to output on alternator (Red) (%)	28		CABLE, dash connector to starting switch (Black/Red) (*)
9	709 129 C1	CABLE, cab circuit breaker to magnetic switch(Only used on machines equipped w/Cab)	29		CABLE, dash connector to "R" terminal on light switch (Pink) (*)
10		CABLE, "S" terminal on solenoid to magnetic switch (White) (%)	30		CABLE, dash connector to instrument panel ground screw (*)
11		CABLE, fender connector to magnetic switch (White) (%)	31		CABLE, starting switch to positive terminal on voltmeter (Red) (*)
12		CABLE, start switch to ether switch (White) (Refer to "Ether Injector-Electric")	32		CABLE, safety starting switch connector to starting switch (Black/Red)(%)
13		CABLE, dash connector to ether valve (Light Blue) (%)	33		CABLE, safety starting switch connector to starting switch (White) (%)
14		CABLE, dash connector to fender connector (Black/Red) (%)	34		CABLE, positive on voltmeter to circuit breaker (Orange) (*)
15		CABLE, ground terminal on alternator to frame terminal on cranking motor (%)	35		CABLE, circuit breaker to "B" terminal on light switch (Orange) (*)
16		CABLE, dash connector to "H" terminal on magnetic switch (Red) (%)	36		CABLE, negative on voltmeter to instrument panel ground screw (*)
17		CABLE, dash connector to magnetic switch mounting bolt (%)	37	650 638 C1	CABLE, resistor to "H" terminal on light switch
18		CABLE, magnetic switch to magnetic switch mounting bolt (%)	38	650 651 C1	CABLE, front lamp connector to RH front lamp (\$)
			(&) - Order SAFETY STARING SWITCH HARNESS.		
			(\$) - Order FENDER HARNESS.		
			(%) - Order MAIN HARNESS.		
			(*) - Order INSTRUMENT HARNESS.		

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Power Shift) 4181 and up			106		SWITCH, engine oil pressure (Refer to "GAUGE PIPING")
			107		SWITCH, starting (Refer to "START-ING SWITCH")
			108		VOLTMETER (Refer to "INSTRU-MENT and INSTRUMENT PANEL")
		<u>CABLES – Continued</u>	109		SWITCH, lighting (Refer to "LIGHT-ING SWITCH")
39	703 060 C1	CABLE, RH front lamp to LH front lamp (\$)	110	621 771 C91 177 717 R1	SWITCH, safety starting NUT, face
40	621 834 C1	CABLE, rear lamp connector to LH rear lamp (\$)	111	23 872 C1	LAMP, instrument panel (5)
41	709 155 C1	CABLE, horn connector to horn positive	112	706 142 C1 110 633 110 487 106 497	BREAKER, circuit (15 amp) NUT (2) SCREW, fil-hd-slt (2) WASHER, lock (2)
44		CABLE, cab circuit breaker to cab (To be supplied by cab vendor)	113	736 130 C1 OR	HORN, electric warning
45		CABLE, dash connector to ether start switch (Light Blue) (*)	113	737 365 C1 189 295 21 622 R1 25 534 R1 740 353 C1	HORN, electric warning BOLT (2) NUT (2) WASHER (2) PLATE, name
46	709 064 C1	CABLE, voltmeter (pos) to hourmeter (pos) connector	114		BATTERIES (Refer to "BATTERY and BATTERY SUPPORT") (4)
47	709 155 C1	CABLE, hourmeter (neg) to engine oil pressure switch	115		SWITCH, master (Refer to "MASTER SWITCH")
48	664 937 C1	CABLE, horn (neg) to horn mounting bolt	116		LIGHT ASSY., LH rear (Refer to "HEADLIGHT and REAR LIGHT")(\$)
49	681 723 C1	CABLE, horn switch to horn connector	117	683 729 C1	PULLEY, alternator
50	650 357 C1	CABLE, horn switch to starting switch	118		VALVE, ether starting (Refer to "ETHER INJECTOR - Electric")
		<u>MAIN COMPONENTS</u>	119		SWITCH, ether starting (Refer to "ETHER INJECTOR-Electric")
101		LIGHT ASSY., RH and LH front (Refer to "HEADLIGHT") (\$)	120		HOURLMETER (Refer to "INSTRU-MENT PANEL and GAUGES")
102		MOTOR ASSY., cranking (Refer to "Engine Parts Catalog, EPC-400")	121	627 670 C1 OR	SWITCH, horn
103		ALTERNATOR ASSY., (Heavy Duty) (For components see list of parts in "Engine Parts Catalog EPC-400 and EPC-400B")	121	453 453 C1	SWITCH, horn
104	213 383 H 120 361 436 574 121 801	BREAKER, circuit (50 amp) NUT (2) SCREW, hex-hd cap (2) WASHER, internal tooth (2)	122		RESISTOR (Refer to "INSTRU-MENT PANEL and GAUGES")
105	706 125 C2 120 376 120 614 25 222 R1 174 878 120 214 120 217	SWITCH, magnetic NUT, 5/16" (2) NUT, No. 10 (2) SCREW, 3/4" long hex-hd cap (2) WASHER, 1/4" int. tooth lock (2) WASHER, 5/16" lock (2) WASHER, No. 10 lock (2)	(*) - Order INSTRUMENT HARNESS. (@) - Part of RH auxiliary rear lamp attachment. (\$) - Part of electric lighting attachment.		

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ELECTRIC STARTING AND LIGHTING – Continued (For Power Shift) 4181 and up					
CLIPS AND CLAMPS					
A	299 410 C1	CLAMP, instrument harness (On LH bolt of water temperature gauge)	W	740 110 C1	CLIP (On breather tube mounting bolt)
C	358 902 R1	CLIP, on top front bolt of decelerator mounting bracket	X	740 110 C1	CLIP (On alternator bracket rear mounting bolt)
D	622 965 C1	CLIP, welded	Y	604 388 C91	CLIP, main harness (On tapped hole on front frame above cranking motor)
E	362 120 R1	CLIP, main harness (On bottom screw of water pump manifold)		24 838 R1	SCREW, hex-hd cap
F	308 581 R1	CLIP, battery terminal (On bottom RH screw of control tower cover)		115 093	WASHER, lock
G	604 388 C91	CLIP, main harness (On top mounting bolt of magnetic switch)	Z	616 282 C1	CLAMP, battery to solenoid cable (On rear bottom bolt of transmission filter mounting bracket)
H	363 444 R1	CLIP, fender harness (On LH fender in front of seat cross bar)		24 838 R1	SCREW, hex-hd cap
	25 653 R1	BOLT, hex-hd cap		115 093	WASHER, lock
	116 120	WASHER, lock	AB	308 581 R1	CLAMP, battery to solenoid cable (On hydraulic cooler hose clamp on LH fender)
J	363 660 R1	CLIP, fender harness (On bottom RH control tower cover mounting bolt)	AC	604 388 C91	CLIP, master switch to cranking motor cable (On RH and LH upper bolts on torque converter housing) (2)
	25 534 R1	WASHER, flat	AD	267 787 R91	CLIP, master switch to cranking motor cable (On RH bottom bolt of seat frame support cross bar)
K	622 962 C1	CLIP, welded (3)	AE	616 282 C1	CLIP, master switch to cranking motor cable (On bottom bolt of brake pedal bracket)
L	384 554 C1	CLIP, on horn mounting bolt		25 522 R1	NUT
M	622 965 C1	CLIP, welded		24 840 R1	SCREW, hex-hd cap
N	622 965 C1	CLIP, welded		115 093	WASHER, flat
P	362 120 R1	CLIP, RH front lamp cable (On RH bottom, center and top fan shroud mounting bolts) (3)		25 534 R1	WASHER, flat
Q	263 717 R91	CLIP, front lamp cable (On lamp swivel bolts (\$) (2)	AF	702 093 C1	STRAP (Cable No. 19 to main harness)(10)
R	264 186 R1	CLIP, welded (2)	AH	702 093 C1	STRAP, ether cable to hose from pump to thermo housing
S	263 514 R91	CLIP, lamp cable (On rear inner bolt of lamp bracket) (\$) (2)		702 093 C1	STRAP (4)
T	362 120 R1	CLIP, rear lamp cable (On top and bottom rear bolts of seat side sheet)(2)	GROMMETS		
V	740 110 C1	CLIP (On center bolt on lube filter manifold bottom)	AA	338 065 R1	GROMMET, front lamp cable (On sides of radiator guard top header) (2) (\$) (2)
			BB	112 745	GROMMET (On RH seat side sheet) (On hydraulic application only)
			CC	325 453 R2	GROMMET (On front frame rear LH side)
			DD	63 323 D	GROMMET (On LH side of dash)

(\$) - Part of electric lighting attachment.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

ELECTRIC STARTING AND LIGHTING — Continued (For Power Shift) 4181 and up

HARNESS

740 707 C1	HARNESS, main (Consists of Ref.Nos. 7, 8, 10, 11, 13 thru 18, 20 and 21)
121 743	NUT
121 744	WASHER, No. 12 flat
120 217	WASHER, No. 19 flat
668 189 C3	HARNESS, instrument (Consists of Ref. Nos. 26 thru 31, 34, 35, 36 and 45)
115 999	NUT, No. 10 (2)
25 662 R1	SCREW
115 707	WASHER, lock
178 387	WASHER, int-ext tooth lock (2)
740 766 C1	HARNESS, fender (Consists of Ref. Nos. 22, 23 and 24)
650 515 C1	HARNESS, safety starting switch (Consists of Ref. Nos. 32 and 33)

MISCELLANEOUS

629 486 C92	ATTACHMENT, electric lighting (Not for machines equipped with ROPS Canopy or Cab) (See NOTE 3) (Consists of—
1	CABLE 650 651 C1
1	CABLE 703 060 C1
1	CABLE 621 834 C1
1	CONNECTOR 283 983 R91
2	CLIP 263 717 R91
1	CLIP 263 514 R91
2	GROMMET 338 065 R1
2	GUARD 624 359 C2
3	LAMP 338 814 R91
3	LOCKWASHER 138 530
4	NUT 271 500
6	NUT 120 371
3	SCREW 181 709
12	SCREW 179 860
3	SWIVEL 303 706 R1
12	WASHER 103 322
8	WASHER 103 342
4	WASHER 25 637 R1
6	WASHER 120 384)

REF. NO.	PART NUMBER	DESCRIPTION

663 156 C91	ATTACHMENT, electric lighting (For use on machines equipped with ROPS Canopy but not with Front Sweep attachment)(Also for mach- ines equipped with cab)(See NOTE 3) (Consists of—
1	BRACKET 651 948 C1
1	CABLE 650 651 C1
1	CABLE 703 060 C1
1	CABLE 621 834 C1
2	CLIP 263 717 R91
1	CLIP 263 514 R91
1	CONNECTOR 283 983 R91
2	GROMMET 338 065 R1
2	GUARD 624 359 C2
3	LAMP 338 814 R91
3	LOCKWASHER 138 530
2	NUT 271 500
6	NUT 120 371
3	SCREW 181 709
10	SCREW 179 860
3	SWIVEL 303 706 R1
10	WASHER 103 322
8	WASHER 103 342
2	WASHER 25 637 R1
6	WASHER 120 384)

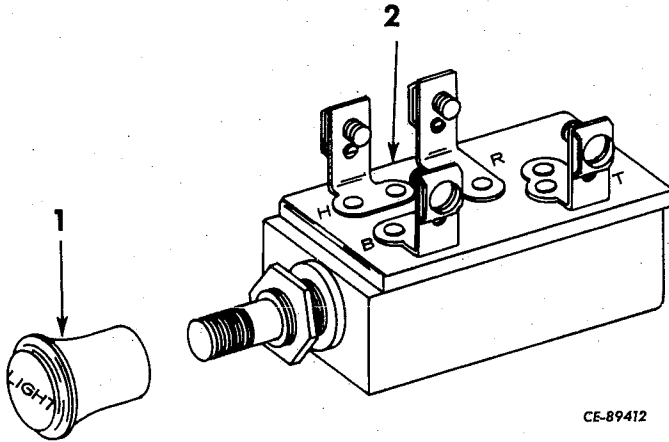
632 304 C91	ATTACHMENT, electric lighting (For use on machines equipped with ROPS Front Sweep attachment)(Not for machines equipped with cab) (See NOTE 3) (Consists of—
1	BRACKET 651 948 C1
1	CABLE 650 653 C1
1	CABLE 663 113 C1
1	CABLE 621 834 C1
1	CLIP 263 514 R91
2	CLIP 276 956 R91
1	DRAWING CZG 1330
1	GROMMET 338 065 R1
1	GUARD 663 058 C1
3	LAMP 338 824 R91
3	LOCKWASHER 138 530
2	NUT 271 500
6	NUT 120 371
6	SCREW 179 860
3	SCREW 181 709
3	SWIVEL 303 706 R1
6	WASHER 103 322
4	WASHER 103 342
2	WASHER 25 637 R1
6	WASHER 120 384)

NOTE 3: - Field Application - Order through
Regular Parts Channels.

ELECTRICAL

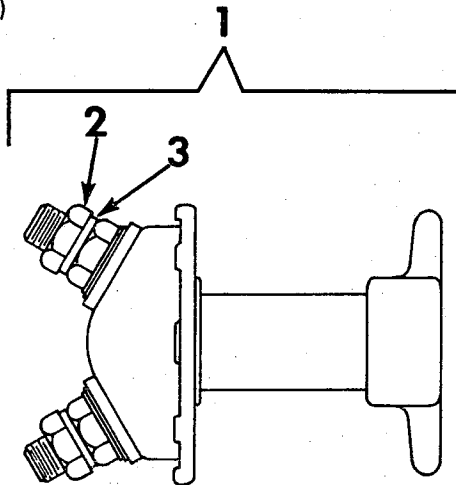
REF. NO.	PART NUMBER	DESCRIPTION

LIGHTING SWITCH



1	606 299 C91	KNOB, lighting switch
2	606 298 C91 138 547	SWITCH, lighting WASHER, internal-tooth lock

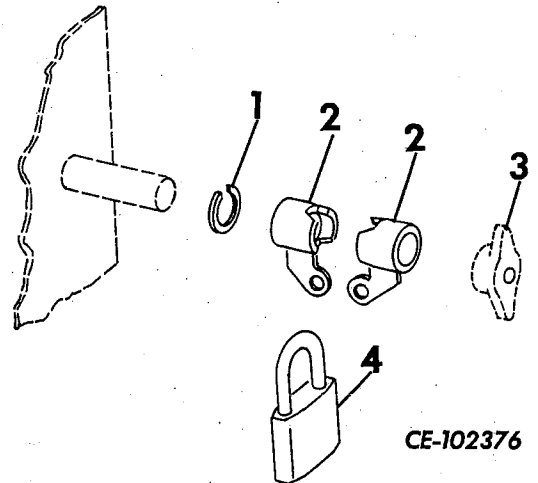
MASTER SWITCH (Douglas)



1	728 154 C1	SWITCH ASSY., master (Replaces 1 996 496)
	25 529 R1	NUT (2)
	25 483 R1	SCREW, hex-hd cap (2)
	115 109	WASHER, lock (2)
2	453 787	NUT, terminal (2)
3	9 421 425	WASHER, terminal nut lock (2)

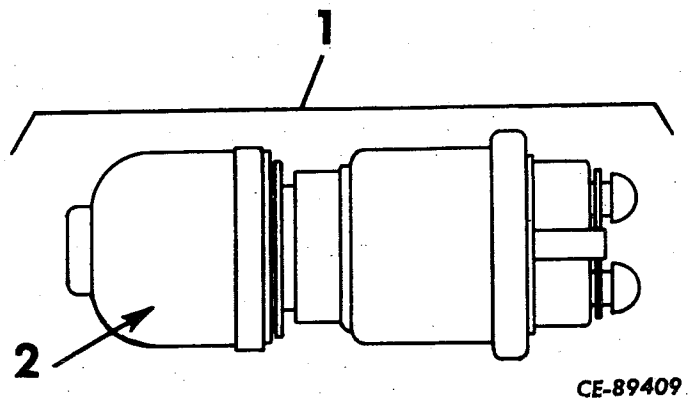
REF. NO.	PART NUMBER	DESCRIPTION

MASTER SWITCH LOCK AND PADLOCK WITH KEYS



1		NOT USED
2	650 937 C1	SLEEVE, lock (2)
3		KNOB, master switch (Reference only)
4	650 382 C91	PADLOCK w/KEYS

STARTING SWITCH (2636 and below)

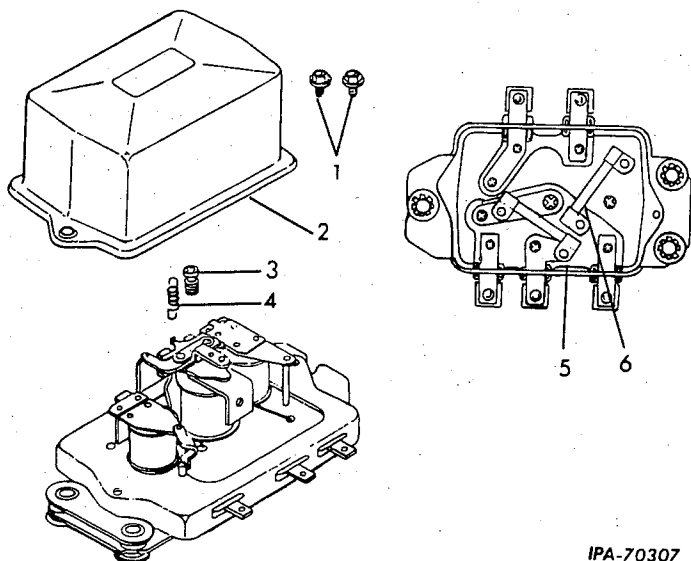


1	700 395 C91	SWITCH w/CAP and face NUT, 702 268 C1, starting
2	702 268 C1	CAP and FACE NUT

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

VOLTAGE REGULATOR (Delco-Remy)

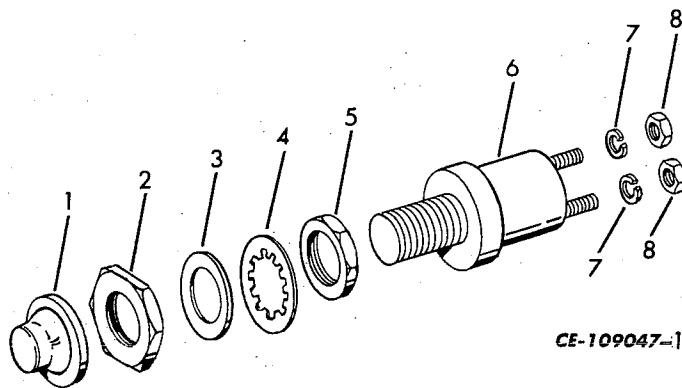


Illustrations are of Typical Parts Only

1 119 518	REGULATOR ASSY., voltage (Consists of Ref. Nos. 1 thru 6)
22 798 R1	SCREW, hex-hd cap (2)
120 380	WASHER, lock (2)
174 878	WASHER, int-ext tooth lock (LH side)
	(Composed of -
1 1 943 386	SCREW, cover attaching (2)
2	COVER, regulator (Not furnished separately)
3 1 958 148	SCREW, adjusting
4 1 958 137	SPRING, adjusting screw
5 1 956 235	RESISTOR
6 1 960 347	RESISTOR

REF. NO.	PART NUMBER	DESCRIPTION

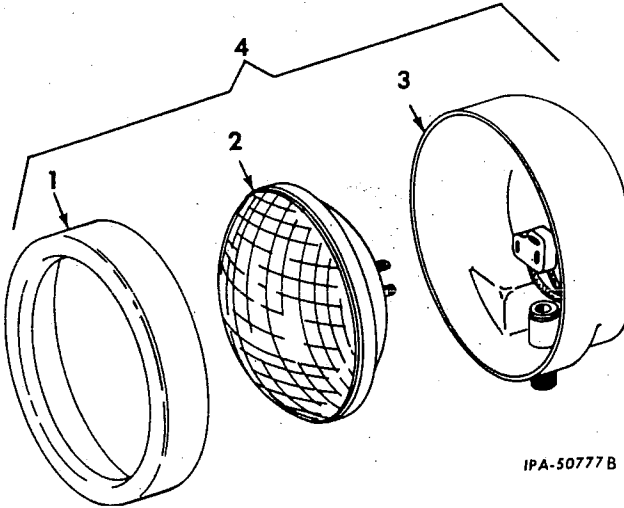
STARTING SWITCH (Delco Remy) (2637 and up)



1 996 098	SWITCH ASSY., starting (Consists of the following parts -
1	CAP (Not furnished separately)
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 (Not furnished separately)
7 120 217	WASHER, terminal lock (2)
8 453 284	NUT, terminal hex (2)

ELECTRICAL

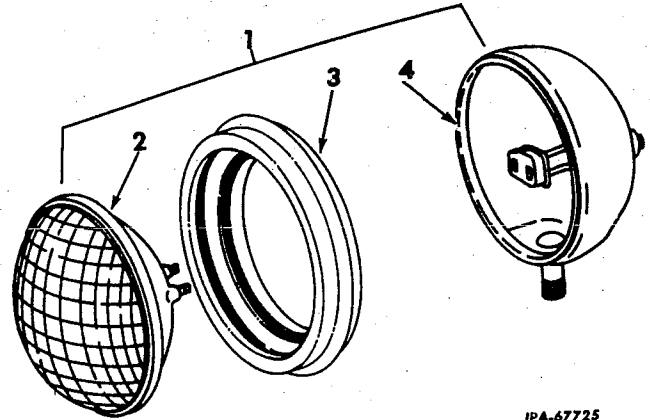
REF. NO.	PART NUMBER	DESCRIPTION
		HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT (Part of Lighting Attachments, and RH Rear Auxiliary Light Attachment) (Hobbs)



IPA-50777 B

1	313 957 R1	RETAINER, light (4)
2	273 560	UNIT, sealed (4)
3		SHELL (Not furnished separately) (4)
4	327 189 R91	HEADLIGHT, REAR LIGHT and RH AUXILIARY REAR LIGHT ASSY. (Optional with 338 814 R91) (4)
	120 371	NUT, NF (4)
	120 384	WASHER, lock (4)
	446 229	WASHER, upper (Used with GUARD, 330 714 R11) (4)
	600 658 C1	WASHER, lower (Used with GUARD, 330 714 R11) (4)

REF. NO.	PART NUMBER	DESCRIPTION
		HEADLIGHT, REAR LIGHT AND RH AUXILIARY REAR LIGHT (Part of Lighting Attachments, and RH Rear Auxiliary Light Attachment) (Guide Lamp)



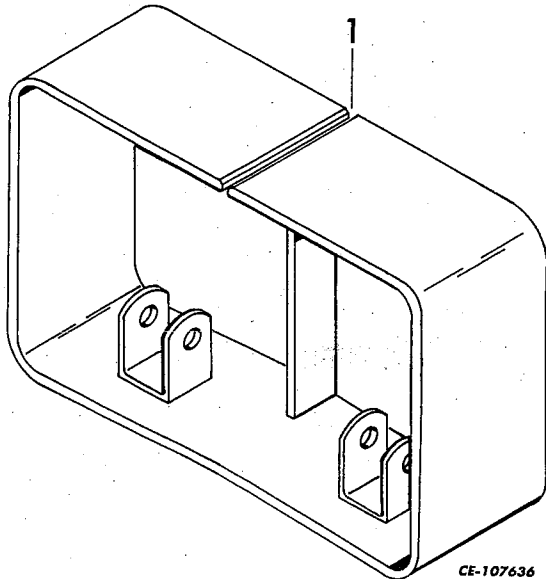
IPA-67725

1	338 814 R91	HEADLIGHT, REAR LIGHT and RH AUXILIARY REAR LIGHT ASSY. (Optional with 327 189 R91) (4)
	120 371	NUT, NF (4)
	120 384	WASHER, lock (4)
	446 229	WASHER, upper (Used with GUARD, 330 714 R11) (4)
	600 658 C1	WASHER, lower (Used with GUARD, 330 714 R11) (4)
2	273 560	UNIT, sealed (4)
3	338 896 R1	RETAINER, light (4)
4		SHELL (Not furnished separately) (4)

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION

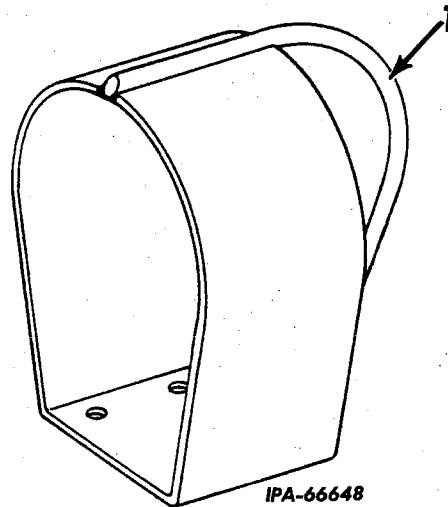
FRONT LAMP GUARD
(Part of Electric Lighting Attachment)
(For use on Machines Equipped with ROPS Front Sweep Attachment)



1	663 058 C1	GUARD, front lamp
	179 860	SCREW, hex-hd cap (4)
	103 322	WASHER, lock (4)
	103 342	WASHER, flat (4)

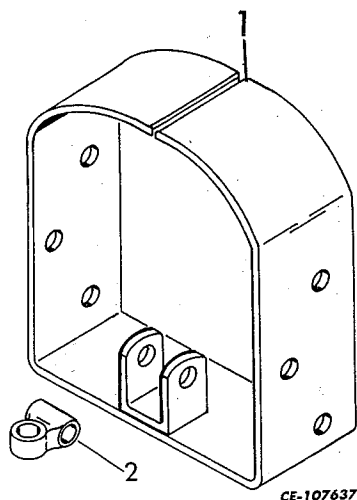
REF. NO.	PART NUMBER	DESCRIPTION

REAR LIGHT BRUSH GUARD
(Part of Electric Lighting Attachment and RH Auxiliary Rear Light Attachment)



1	330 714 R11	GUARD, light (Order the following parts -
	1	GUARD 651 628 C1
	1	NUT 120 371
	1	SCREW 181 709
	1	SWIVEL 303 706 R1
	1	WASHER 120 384)
	179 860	SCREW, hex-hd cap (4)
	103 322	WASHER, lock (4)
	271 500	NUT (4)

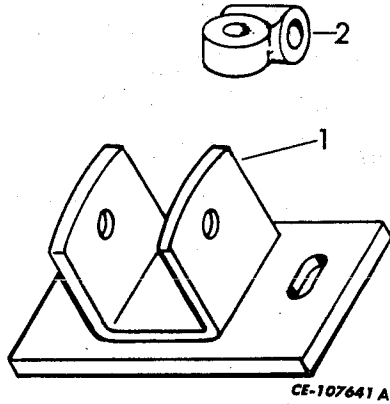
REAR LIGHT BRUSH GUARD
(Part of Electric Lighting Attachment and RH Auxiliary Rear Light Attachment)
(For use on Machines not Equipped with ROPS Canopy)



1	651 628 C1	GUARD, light
2	303 706 R1	SWIVEL, light
	120 371	NUT
	181 709	SCREW, hex-hd cap
	120 384	WASHER, lock

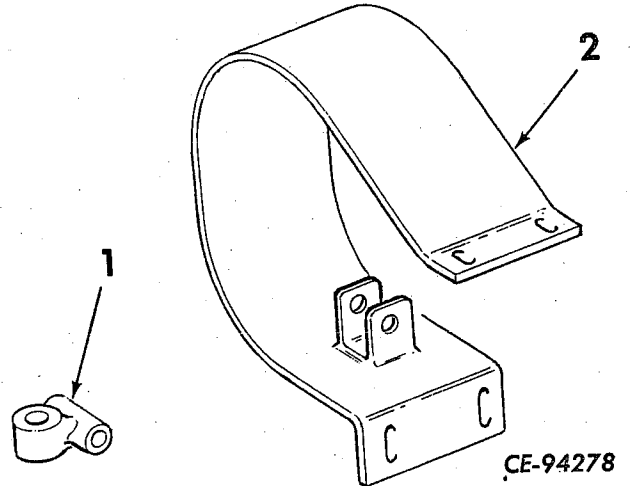
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
REAR LIGHT BRACKET		
(Part of Electric Lighting Attachment and RH Auxiliary Rear Light Attachment)		
(For Machines Equipped with ROPS Canopy)		



1	651 948 C1	BRACKET, lamp mounting
	271 500	NUT (2)
	179 860	SCREW, hex-hd cap (2)
	103 322	WASHER, lock (2)
	25 637 R1	WASHER, flat (2)
2	303 706 R1	SWIVEL, lamp
	120 371	NUT
	181 709	SCREW, hex-hd cap
	120 384	WASHER, lock

REF. NO.	PART NUMBER	DESCRIPTION
HEADLIGHT BRUSH GUARD		
(Part of Electric Lighting Attachment)		

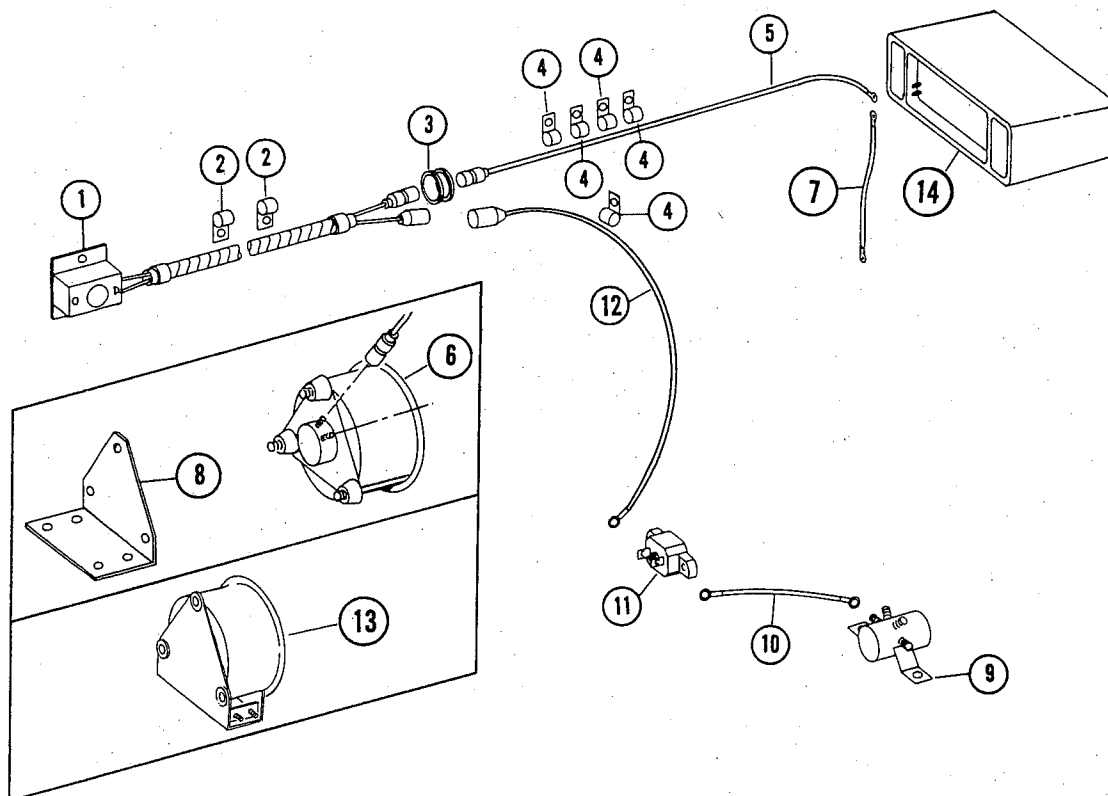


1	303 706 R1	SWIVEL, light (2)
	181 709	SCREW, hex-hd cap (2)
	120 384	WASHER, lock (2)
	120 371	NUT (2)
2	624 359 C2	GUARD, light (2)
	179 860	SCREW, hex-hd cap (8)
	103 342	WASHER, flat (8)
	103 322	WASHER, lock (8)

ELECTRICAL

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

ELECTRIC WARNING HORN 4576 and below



CE-103224 C

	663 104 C91	ATTACHMENT, electric warning horn (See NOTE 3) (Consists of the following parts -	9		SWITCH, magnetic (Not furnished as part of Attachment)
1	663 101 C1 167 084 120 217	SWITCH, push button SCREW, pan-hd tapping (2) WASHER, lock (2)	10	624 231 C1	CABLE, "H" terminal on magnetic switch to circuit breaker
2	362 121 R1	CLIP, cable (2)	11	740 150 C1	BREAKER, circuit (Replaces, 683 072 C1)(2 amps)
3	617 259 C1	GROMMET		110 495 106 497 120 391 110 633	SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2) NUT (2)
4	362 120 R1	CLIP, cable (5)	12	651 835 C1	CABLE, circuit breaker to push button switch ground
5	663 103 C1	CABLE, push button switch connector to horn terminal	13	668 080 C2	HORN w/BRACKET, electric (Not used w/BRACKET, 663 062 C1)
6	663 093 C1	HORN, electric warning(Used w/ BRACKET, 663 062 C1)		109 084 179 799 120 392 174 878	NUT, hex (4) SCREW, hex-hd cap (4) WASHER, flat (4) WASHER, int-tooth lock (4)
7	663 063 C1	CABLE, horn ground terminal to mounting bolt	14	736 130 C1	HORN, electric warning
8	663 062 C1	BRACKET, horn mounting(Used w/ HORN, 663 093 C1)	OR		
	180 126 120 382 120 377	SCREW, hex-hd cap (4) WASHER, lock (4) NUT (4)	14	737 365 C1 21 622 R1 189 295 25 534 R1	HORN, electric warning NUT (2) BOLT (2) WASHER (2)
NOTE 3 - Field Application - Order through Regular Parts Channels.					

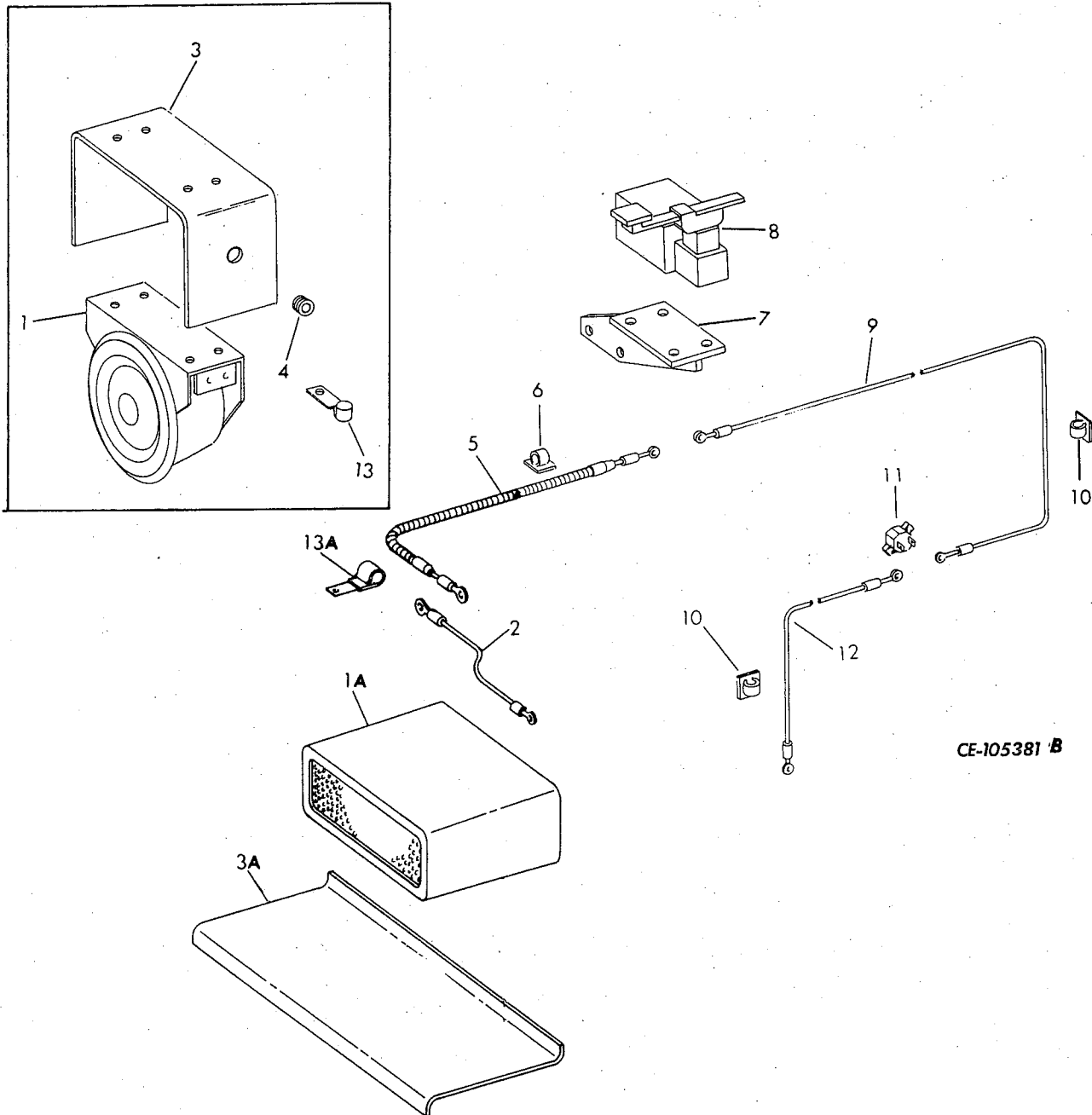
ELECTRICAL

MEMORANDA

ELECTRICAL

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

BACK-UP ALARM (Manual Shift and Custom Application)



CE-105381 B

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACK-UP ALARM —Continued (Manual Shift and Custom Application)					
A	629 994 C1	ATTACHMENT, back-up alarm(Order Attachment, 629 997 C1) (See NOTE 4)	9	663 187 C1	CABLE, pressure switch to circuit breaker
B	629 997 C91	ATTACHMENT, back-up alarm (See NOTES 1 and 3) (Consists of the following parts—	10	663 189 C1	CLAMP (15)
1	663 478 C2	ALARM, back-up (Used w/GUARD, 663 485 C1)(A)	11	740 150 C1	CIRCUIT BREAKER (Replaces, 683 072 C1) (2 amp)
	109 084	NUT (4)		110 633	NUT (2)
	179 795	SCREW, hex-hd cap (4)		110 495	SCREW, hex-hd cap (2)
	120 392	WASHER, flat (8)		106 497	WASHER, lock
	103 319	WASHER, lock (4)		120 391	WASHER, flat (2)
1A	736 131 C1	ALARM, back-up	12	663 187 C1	CABLE, circuit breaker to power source
	OR		13	363 660 R1	CLIP, on RH rear bolt of alarm(Used w/ALARM, 663 478 C1)(A)
1A	737 188 C1	ALARM, back-up	13A	384 558 R1	CLIP, on mounting bolt of alarm bracket(Used w/BRACKET, 740 301 C1) (B)
	27 606 R1	BOLT (2)			
	25 522 R1	NUT (2)			
	25 534 R1	WASHER, flat (2)			
2	266 770 R91	CABLE, alarm to alarm mounting bolt		663 188 C1	PACKAGE, terminals
3	663 485 C1	GUARD, alarm(Used w/ALARM, 663 478 C2)(A)		663 182 C1	BRACKET, switch mounting (Not used on TD-15C)
	179 837	SCREW, hex-hd cap (4)			
	103 321	WASHER, lock (4)			
	120 394	WASHER, flat (4)			
3A	740 302 C1	BRACKET, alarm mounting (A)			
3A	740 301 C1	BRACKET, alarm mounting (B)			
	208 491 R1	BOLT (4)			
	9 418 646	NUT (4)			
	25 710 R1	WASHER, flat (4)			
4	108 827 R1	GROMMET, on RH side of alarm guard (Used w/GUARD, 663 485 C1) (A)			
5	663 186 C1	CABLE, alarm to pressure switch			
6	663 185 C1	CLAMP (10)			
7	651 784 C1	BRACKET, switch mounting assembly			
	25 480 R1	SCREW, hex-hd cap (4)			
	115 109	WASHER (4)			
8	663 181 C1	SWITCH, limit			
	651 798 C1	GRIP, switch cable			

NOTE 1: - Factory Application - Order on Machine Order Form.

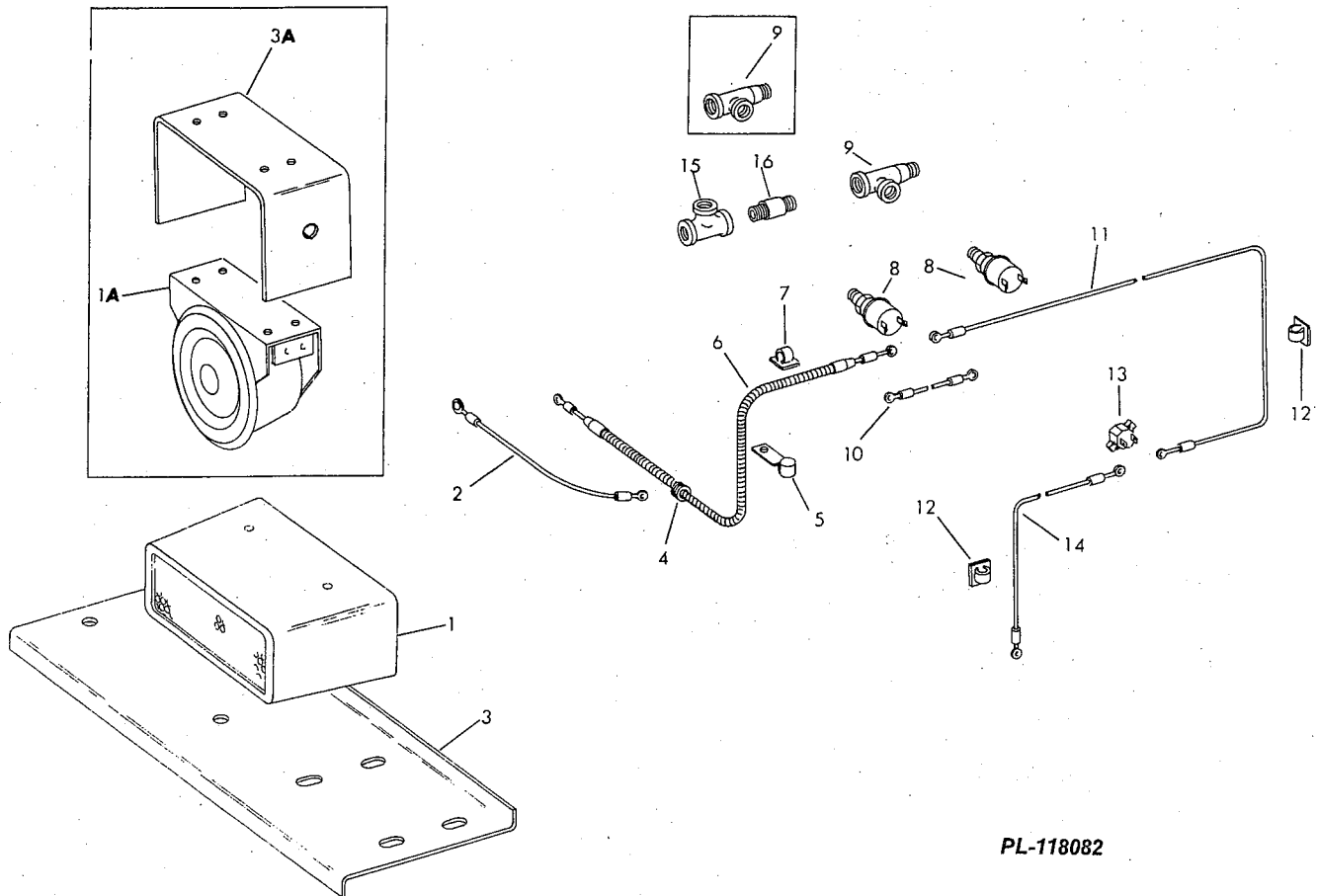
NOTE 3: - Field Application - Order through Regular Parts Channels.

NOTE 4: - Attachment No Longer Available - Service Parts Will Be Furnished.

ELECTRICAL

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

BACK-UP ALARM (Power Shift)



PL-118082

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACK-UP ALARM (Power Shift)					
A	632 119 C91	ATTACHMENT, back-up alarm(Or- der ATTACHMENT, 737 156 C91) (See NOTE 4)	9	444 253	TEE, pressure switch (2 for A and B) (1 for C)
B	629 995 C91	ATTACHMENT, back-up alarm(Or- der ATTACHMENT, 737 156 C91) (See NOTE 4)	10	650 354 C1	CABLE, switch to switch (2)
C	737 156 C91	ATTACHMENT, back-up alarm(See NOTES 1 and 3)	11	663 187 C1	CABLE, pressure switch to circuit breaker
1A	663 478 C2	ALARM, back-up (Used w/GUARD, 663 485 C1) (A)	12	663 189 C1	CLAMP (15)
	179 795	BOLT (4)	13	740 150 C1	CIRCUIT BREAKER (Replaces 683 072 C1) (2 amps)
	109 084	NUT (4)		110 633	NUT (2)
	120 392	WASHER, flat (8)		110 495	SCREW, hex-hd cap (2)
	103 319	WASHER, lock (4)		106 497	WASHER, lock (2)
				120 391	WASHER, flat (2)
1	737 188 C1	ALARM, back-up (Used w/BRACKET 740 301 C1)(Replaces,715 662 C1) (B AND C)	14	663 187 C1	CABLE, circuit breaker to power source
	OR		15	9 409 935	TEE (C)
1	736 131 C1	ALARM, back-up (Used w/BRACKET 740 301 C1) (B AND C)	16	118 985	NIPPLE (C)
	27 606 R1	BOLT (2)			
	25 522 R1	NUT (2)			
	25 534 R1	WASHER, flat (2)			
2	266 770 R91	CABLE, alarm to alarm mounting bolt			
3	740 301 C1	BRACKET, alarm mounting (Used w/ ALARM, 737 188 C1 or 736 131 C1) (B AND C)			
	208 491 R1	BOLT (4)			
	9 418 646	NUT (4)			
	25 710 R1	WASHER (4)			
3A	663 485 C1	GUARD, alarm (Used w/ALARM, 663 478 C2) (A)			
	179 837	BOLT (4)			
	103 321	WASHER, lock (4)			
	120 394	WASHER, flat (4)			
4	108 827 R1	GROMMET, on RH side of alarm guard (A)			
5	384 558 R	CLIP, on mounting bolt of alarm bracket			
6	663 186 C1	CABLE, alarm to pressure switch			
7	663 185 C1	CLAMP (10)			
8	740 985 C1	SWITCH, pressure (Replaces 651 828 C1) (2)			

NOTE 1: - Factory Application - Order on Machine Order Form.

NOTE 3: - Field Application - Order through Regular Parts Channels.

NOTE 4: - Attachment No Longer Available - Service Parts Will Be Furnished.

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

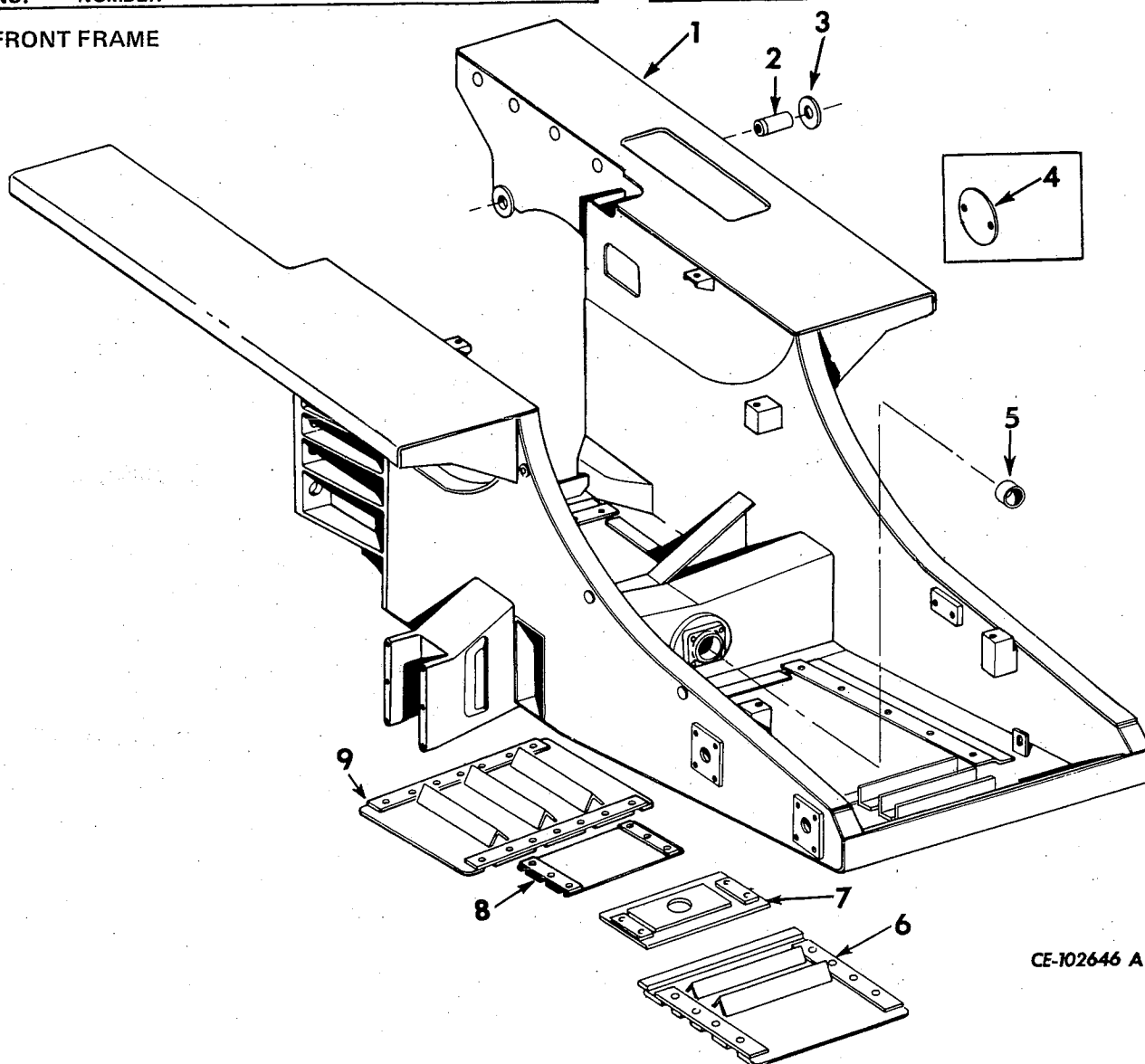
FRAME

9

FRAME

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

FRONT FRAME



CE-102646 A

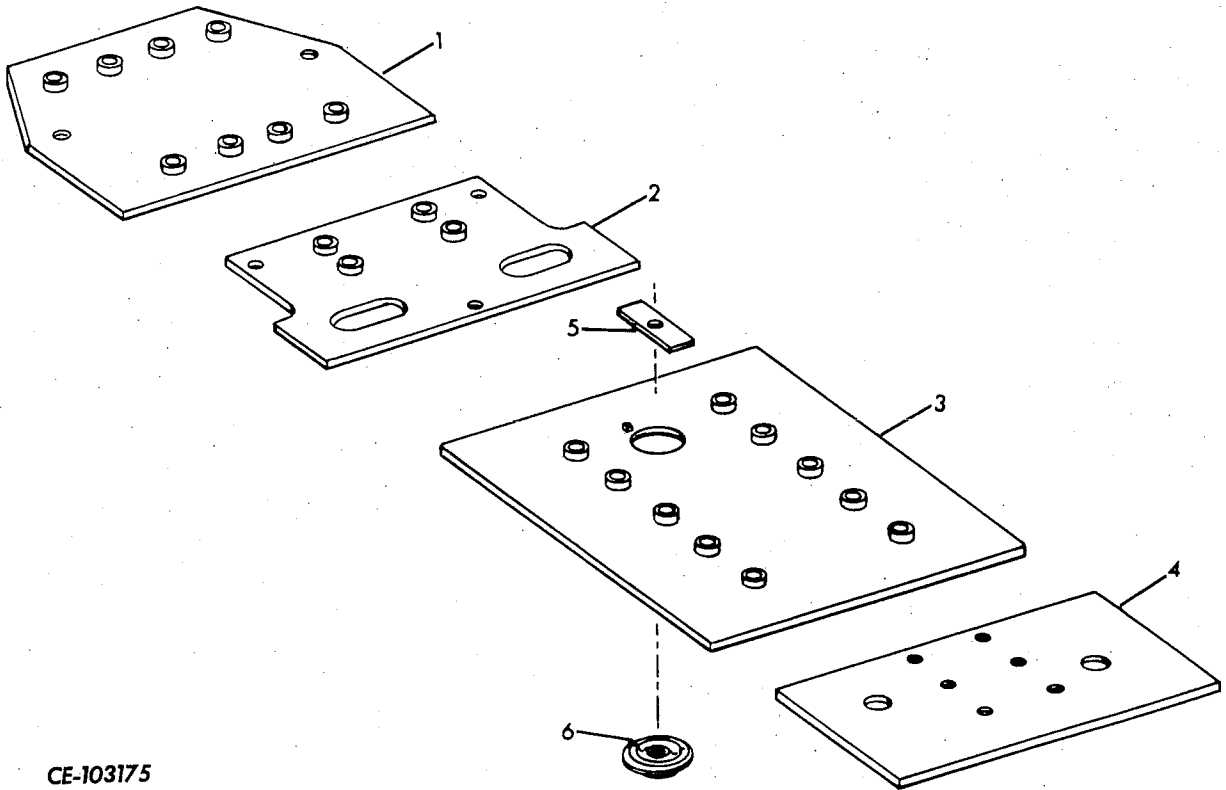
1	25 646 R1	FRONT FRAME (See NOTE) BOLT, 1-1/8" dia. front frame (4) BOLT, 1-1/4" dia. front frame (4) WASHER, 1" hardened (4) WASHER, 1-1/4" hardened (4)	6	624 558 C1	DOOR, front, front frame bottom (Not For Low Ground Pressure) SCREW, hex-hd cap (6)
	25 726 R1			24 872 R1	
	25 550 R1			604 977 C1	DOOR, front, front frame bottom (For Low Ground Pressure)(2) SCREW, hex-hd cap (12)
	25 528 R1			24 872 R1	
2	325 655 R2	DOWEL, front frame to rear frame (2)	7	651 110 C1	DOOR, oil pan SCREW, hex-hd cap (4)
	24 895 R1			24 872 R1	
4	481 540 R1	PLATE (For FRAME equipped w/ clutch mounting hole) NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)	8	334 394 R21	DOOR, center, front frame bottom (Not used with swinging drawbar) SCREW, hex-hd cap (4)
	25 526 R1			24 885 R1	
	24 861 R1			331 901 R13	DOOR, rear, front frame bottom SCREW, hex-hd cap (8)
	116 121			24 872 R1	
5	603 281 C1	BUSHING, equalizer bar pivot shaft support (2)			

NOTE — Service frame will be available
on special order only on clearance
with engineering department.

FRAME

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

FRONT FRAME BOTTOM GUARD DOORS (Severe Service)



CE-103175

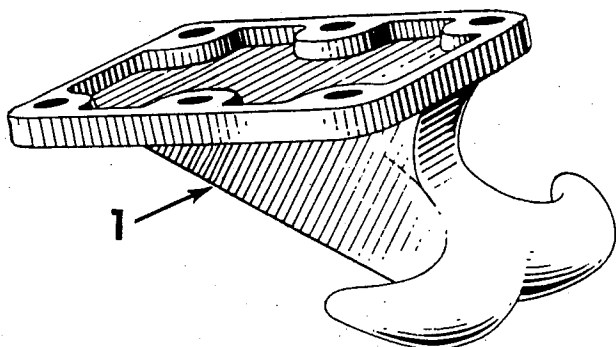
	629 461 C91	ATTACHMENT, front frame bottom guard door (Severe service) (Not for models equipped with swinging drawbar or front pull hook) (See NOTE 3) (Consists of the following parts -	4	650 630 C1 25 764 R1 25 550 R1	GUARD, front SCREW, hex-hd cap (Not used w/front pull hook) (6) WASHER, hardened (Not used w/front pull hook) (6)
1	650 173 C1 26 322 R1 25 547 R1	GUARD, rear SCREW, hex-hd cap (8) WASHER, hardened (8)	5	650 374 C1	SUPPORT, oil pan drain cover
2	650 171 C1 24 890 R1 25 548 R1	GUARD, center rear SCREW, hex-hd cap (4) WASHER, hardened (4)	6	5 977 DA 24 863 R1 M42 296 25 536 R1	COVER, oil pan drain SCREW, hex-hd cap SPACER, drain cover WASHER, hardened
3	650 424 C2 21 371 R1 25 547 R1	GUARD, center front SCREW, hex-hd cap (10) WASHER, hardened (10)			

NOTE 3 - Field Application - Order through Regular Parts Channels.

FRAME

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

FRONT PULL HOOK



IPA-67563

A	629 481 C91	ATTACHMENT, front pull hook (For use on models equipped w/front frame bottom guard door attachment) (See NOTE 3) (Not For Low Ground Pressure)
B	334 517 R91	ATTACHMENT, front pull hook (Not for use on models equipped w/front frame bottom guard door attachment) (See NOTES 1 and 3) (For Low Ground Pressure)
1	5 980 D	HOOK, front pull
	25 740 R1	SCREW, 7/8 x 2" hex-hd cap (6 for B)
	25 760 R1	SCREW, 7/8 x 3-1/4" hex-hd cap (6 for A)

NOTE 1 - Factory Application - Order on Machine Order Form.

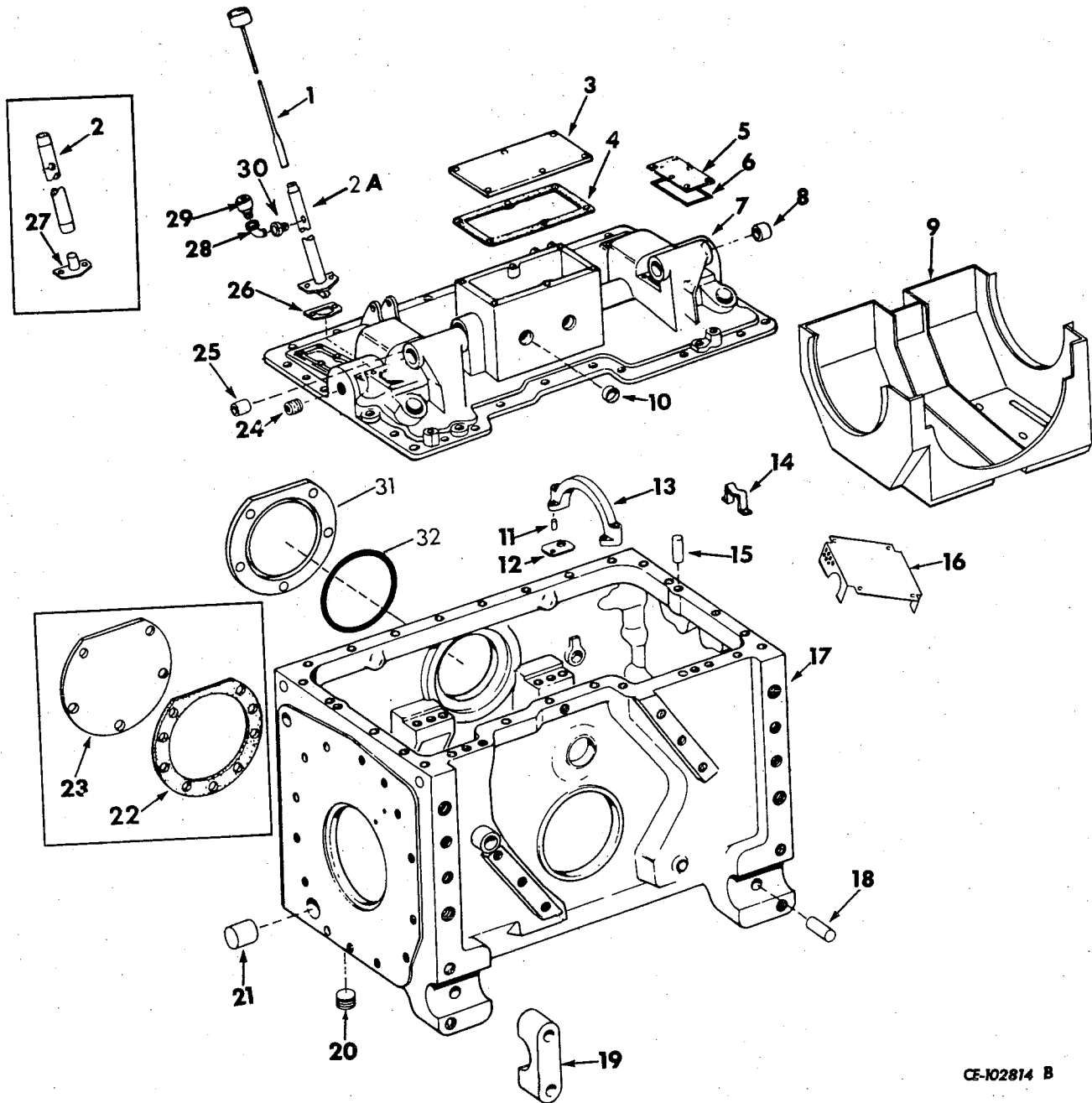
NOTE 3 - Field Application - Order through Regular Parts Channels.

FRAME

MEMORANDA

FRAME

REAR FRAME (For Manual Shift and Power Shift)



CE-102814 B

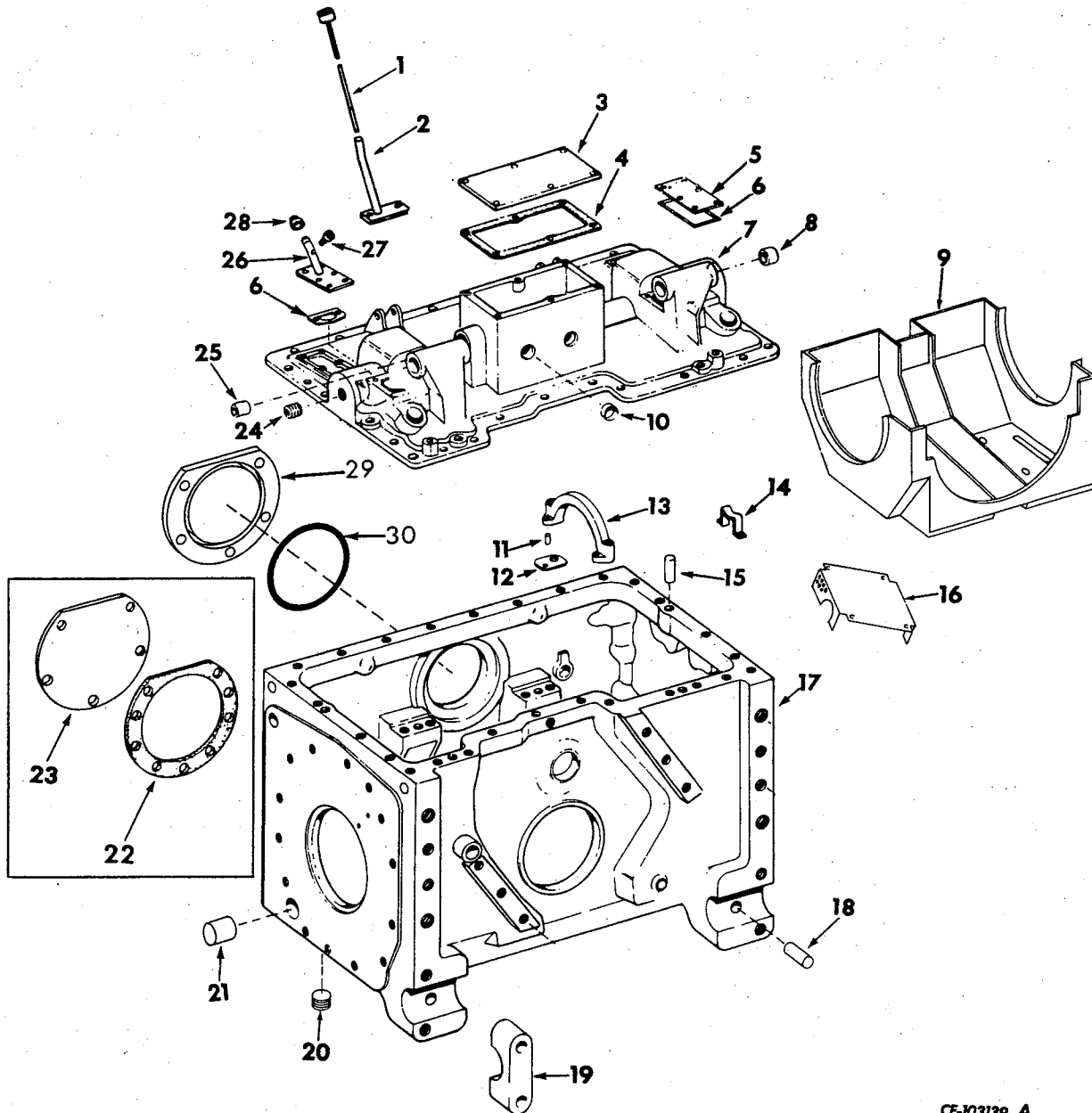
FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REAR FRAME — Continued (For Manual Shift and Power Shift)			16	661 302 C1	SCREEN, rear main frame sump (Used w/FRAME ASSY., 661 313 C91) 1557 and up
1	609 954 C21	ROD, rear main frame oil level (Not used w/Hydraulic Control Unit)	17	611 218 C92	FRAME ASSY., rear (Order FRAME, 661 313 C91 TUBE, 661 322 C91, TUBE, 661 323 C91, SCREEN, 661 302 C1 and four SCREW, 321 872 R1) 1556 and below
1	609 955 C22	ROD, rear main frame oil level (Used w/Hydraulic Control Unit and also Low Ground Pressure)	17	661 313 C91	FRAME ASSY., rear 1557 and up (Composed of - 2 CAP 345 625 R11 2 CAP 611 222 C1 4 CORK 104 940 8 CORK 106 623 4 CORK 117 926 2 CORK 117 928 2 DOWEL 325 406 R1 1 DOWEL 323 395 R1 § 1 FRAME 4 PIN 250 868 R1 1 PLUG 271 647 R1)
2	616 237 C1	PIPE, rear frame oil level (Not used w/Hydraulic Control Unit)	18	323 395 R1	DOWEL, pivot shaft to rear main frame
2	616 236 C1	PIPE, rear frame oil level (Use w/ Hydraulic Control Unit and also Low Ground Pressure)(Order 733 017 C1)	19	611 222 C1	CAP, pivot shaft (Inner) (2)
2A	733 017 C1	PIPE, rear frame oil level	20	271 647 R1	PLUG, drain
	24 873 C1	BOLT (2)	21	325 406 R1	DOWEL, sprocket drive carrier (2)
3	616 235 C1	COVER, planetary inspection	22	325 429 R1	GASKET, rear power take-off cover plate (Used w/PLATE, 253 174 R2)
	24 840 R1	SCREW, hex-hd cap (6)	23	253 174 R2	PLATE, rear power take-off cover (Order PLATE, 733 039 C1 and RING, 22 420 R1) 25 694 R1 SCREW, hex-hd cap (5)
	115 093	WASHER, lock (6)	24	21 502 R1	PLUG, brake fork adjusting hole (2)
4	325 422 R1	GASKET, planetary inspection cover	25	345 974 R2	BUSHING, push rod lever shaft (2)
5	612 578 C1	COVER, brake inspection (2)	26	612 582 C1	GASKET, rear main frame filler pipe
	24 840 R1	SCREW, hex-hd cap (12)	27	612 580 C91	PIPE, rear frame filler (Used w/PIPE 6 162 361 24 873 R1 SCREW, hex-hd cap (2)
	115 093	WASHER, lock (12)	28	105 423	ELBOW, rear frame breather
6	612 579 C1	GASKET, brake inspection cover (2)	29	662 250 C1	BREATHER, rear frame
7	612 577 C31	COVER ASSY., rear frame (Composed of - 4 BUSHING 279 247 R1 2 BUSHING 345 974 R2 § 1 COVER 2 PLUG 318 300 R1 4 SCREW 138 869)	29	666 134 C1	BREATHER, rear frame
	610 163 C1	BOLT	29	666 156 C1	BREATHER, rear frame
	651 530 C1	BOLT (3)	30	444 000	ADAPTER, pipe
	24 875 R1	SCREW, 5/8 x 2" hex-hd cap (15)		117 928	PLUG, No. 14 cork (1-1/4) (2)
	24 888 R1	SCREW, 3/4 x 2" hex-hd cap (7)		117 926	PLUG, No. 12 cork (4 or as required)
	138 869	SCREW, 5/8 x 5/8" hex-soc set (4)		104 940	PLUG, No. 4 cork (4 or as required)
	25 537 R1	WASHER, flat (15)		106 623	PLUG, No. 8 cork (8 or as required)
	25 538 R1	WASHER, hardened (7)		444 654	PLUG, booster drain hole 1/4" pipe (For Manual Shift)
8	279 247 R1	BUSHING, pivot brake pick-up lever shaft (4)	31	733 039 C1	PLATE, rear power take-off cover
9	629 550 C1	BAFFLE, rear main frame		26 957 R1	SCREW, hex-hd cap (5)
	26 311 R1	SCREW, hex-hd cap (4)	32	22 420 R1	RING, power take-off sealing (Used w/PLATE, 733 039 C1)
	103 341	WASHER (4)			
	16 135 DA	WASHER (4)			
10	318 300 R1	PLUG, bellcrank push rod shaft (2)			
11	325 411 R1	PIN, bearing cap dowel (6)			
12	345 639 R1	SHIM, thick (.010") (8 or as required)			
12	345 640 R1	SHIM, thin (.003") (10 or as required)			
13	345 625 R11	CAP w/three PIN, 325 411 R1, four SHIM, 345 639 R1, and five SHIM, 345 640 R1, planet carrier bearing (2) 25 507 R1 SCREW, hex-hd cap (4) 116 121 WASHER, lock (4)			
14	325 417 R1	BRACKET, brake fork push rod support(2			
	25 752 R1	SCREW, hex-hd cap (4)			
	115 109	WASHER, lock (4)			
15	19 968 R1	PIN, rear frame to cover dowel (4)			
16	611 207 C2	SCREEN, rear main frame sump (Used w/FRAME ASSY., 611 218 C92) 1556 and below			

§ - Not furnished separately.

FRAME

REAR FRAME (For Custom Applications)



CE-103139 A

FRAME

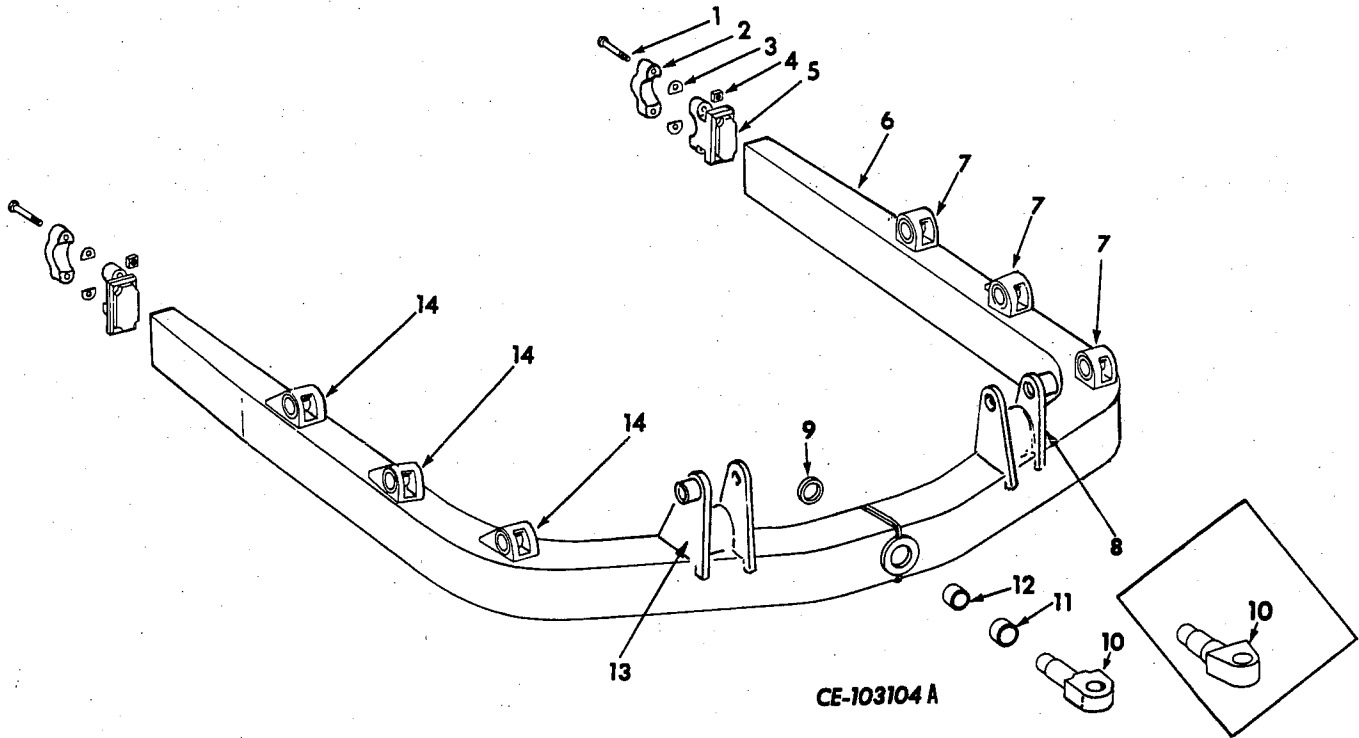
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
REAR FRAME — Continued (For Custom Applications)					
1	650 238 C2	ROD, rear main frame oil level	17	661 313 C91	FRAME ASSY., rear (Composed of -
2	650 235 C1 24 873 R1	COVER, oil dipstick SCREW, hex-hd cap (2)		2 CAP	345 625 R11
3	616 235 C1 24 840 R1 115 093	COVER, planetary inspection SCREW, hex-hd cap (6) WASHER, lock (6)		2 CAP	611 222 C1
4	325 422 R1	GASKET, planetary inspection cover		4 CORK	104 940
5	612 578 C1 24 840 R1 115 093	COVER, brake inspection SCREW, hex-hd cap (6) WASHER, lock (6)		8 CORK	106 623
6	612 579 C1	GASKET, brake inspection cover (2)		4 CORK	117 926
7	612 577 C31	COVER ASSY., rear frame (Composed of -		2 CORK	117 928
		4 BUSHING 279 247 R1		2 DOWEL	325 406 R1
		2 BUSHING 345 974 R2		1 DOWEL	323 395 R1
		§ 1 COVER		§ 1 FRAME	
		2 PLUG 318 300 R1		4 PIN	250 868 R1
		4 SCREW 138 869)		1 PLUG	271 647 R1)
	610 163 C1	BOLT (2)	18	323 395 R1	DOWEL, pivot shaft to rear main frame
	651 530 C1	BOLT (3)	19	611 222 C1	CAP, pivot shaft (Inner) (2)
	25 336 R1	SCREW, 5/8 x 1-7/8" hex-hd cap (15)		25 507 R1	SCREW, hex-hd cap (4)
	25 514 R1	SCREW, 3/4 x 1-7/8" hex-hd cap (6)		116 121	WASHER, lock (4)
	138 869	SCREW, 5/8 x 5/8" hex-soc set (4)		25 741 R1	SCREW, hex-hd cap (4)
8	279 247 R1	BUSHING, pivot brake pick up lever shaft (4)	20	271 647 R1	PLUG, drain
9	629 550 C1 26 311 R1 103 341	BAFFLE, rear main frame SCREW, hex-hd cap (4) WASHER, 13/32 x 13/16 x 16 ga. (4)	21	325 406 R1	DOWEL, sprocket drive carrier (2)
	16 135 DA	WASHER (4)	22	325 429 R1	GASKET, rear power take-off cover plate (Used w/PLATE, 253 174 R2)
10	318 300 R1	PLUG, bellcrank push rod shaft (2)	23	253 174 R2	PLATE, rear power take-off cover (Order PLATE, 733039 C1 and RING, 22 420 R1)
11	325 411 R1	PIN, bearing cap dowel (6)		25 694 R1	SCREW, hex-hd cap (5)
12	345 639 R1	SHIM, thick (.010") (8 or as required)	24	21 502 R1	PLUG, brake fork adjusting hole (2)
12	345 640 R1	SHIM, thin (.003") (10 or as required)	25	345 974 R2	BUSHING, push rod lever shaft (2)
13	345 625 R11	CAP w/three PIN, 325 411 R1, four SHIM, 345 639 R1, and five SHIM, 345 640 R1, planet carrier bearing (2)	26	650 231 C1 24 840 R1 115 093	COVER, oil filler SCREW, hex-hd cap (6) WASHER, lock (6)
	25 507 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)	27	662 250 C1	BREATHER, rear frame
14	325 417 R1	BRACKET, brake fork push rod sup- port (2)	28	650 234 C1	CAP, rear main frame oil filler
	25 752 R1	SCREW, hex-hd cap (4)		20 998 R1	PLUG, torque converter vent tube hole
	115 109	WASHER, lock (4)		104 940	PLUG, No. 4 cork (4 or as required)
15	19 968 R1	PIN, rear frame to cover dowel (4)		106 623	PLUG, No. 8 cork (8 or as required)
16	661 302 C1	SCREEN, rear main frame sump		117 926	PLUG, No. 12 cork (4 or as required)
				117 928	PLUG, No. 14 cork (1-1/4") (2)
				444 654	PLUG, booster drain hole, 1/4" pipe
			29	733 039 C1 26 957 R1	PLATE, rear power take-off cover SCREW, hex-hd cap (5)
			30	22 420 R1	RING, power take-off sealing (Used w/PLATE, 733 039 C1)

§ - Not furnished separately.

FRAME

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

BULLGRADER "C" FRAME



1	26 632 R1	SCREW, hex-hd cap (Replaces, 25 996 R1) (Used w/CAP, 717 740 C1) (4)	9	319 469 R1	RING, retainer (used on machines equipped with "C" FRAME, 620 949 C91) (3.75" OD)
2	717 740 C1	CAP, trunnion bearing (Replaces 608 031 C1) (Used w/SCREW, 25 996 R1)	9	668 733 C1	RING, retainer (used on machines equipped with "C" FRAME, 620 949 C92) (5" OD)
3	290 257 R1	SHIM, trunnion bearing (16)	10	668 730 C1	PIN, crosshead swivel (used on machines equipped with "C" FRAME, 620 949 C92)
4	290 256 R2	NUT (4)	10A	620 911 C1	PIN, crosshead swivel (used on machines equipped with "C" FRAME, 620 949 C91)
5	342 211 R1	BEARING, trunnion (2)	11	620 912 C2	BUSHING, crosshead swivel pin (used on machines equipped with "C" FRAME, 620 949 C91) (3.5" OD)
6	620 949 C92	"C" FRAME w/TRUNNION BEARING CAPS, hydraulic (Composed of - 2 BEARING 342 211 R1 2 BOLT 26 632 R1 3 BRACKET 293 998 R1 3 BRACKET 293 999 R1 1 BRACKET 618 573 C1 1 BRACKET 618 574 C1 2 BUSHING 317 499 R1 or 2 BUSHING 603 937 C1 2 CAP 717 740 C1 s 1 FRAME 2 NUT 290 256 R1 1 PIN 668 730 C1 1 RING 668 733 C1 16 SHIM 290 257 R1)	11	317 499 R1	BUSHING, crosshead swivel pin
			11	603 937 C1	BUSHING, crosshead swivel pin (used on machines equipped with "C" FRAME, 620 949 C92) (4.0" OD)
			12	319 471 R1	BUSHING, crosshead swivel pin (used on machines equipped with "C" FRAME, 620 949 C91) (3.0" OD)
7	293 998 R1	BRACKET, LH strut (3)			
8	618 573 C1	BRACKET, LH hydraulic lift			

s - Not furnished separately.

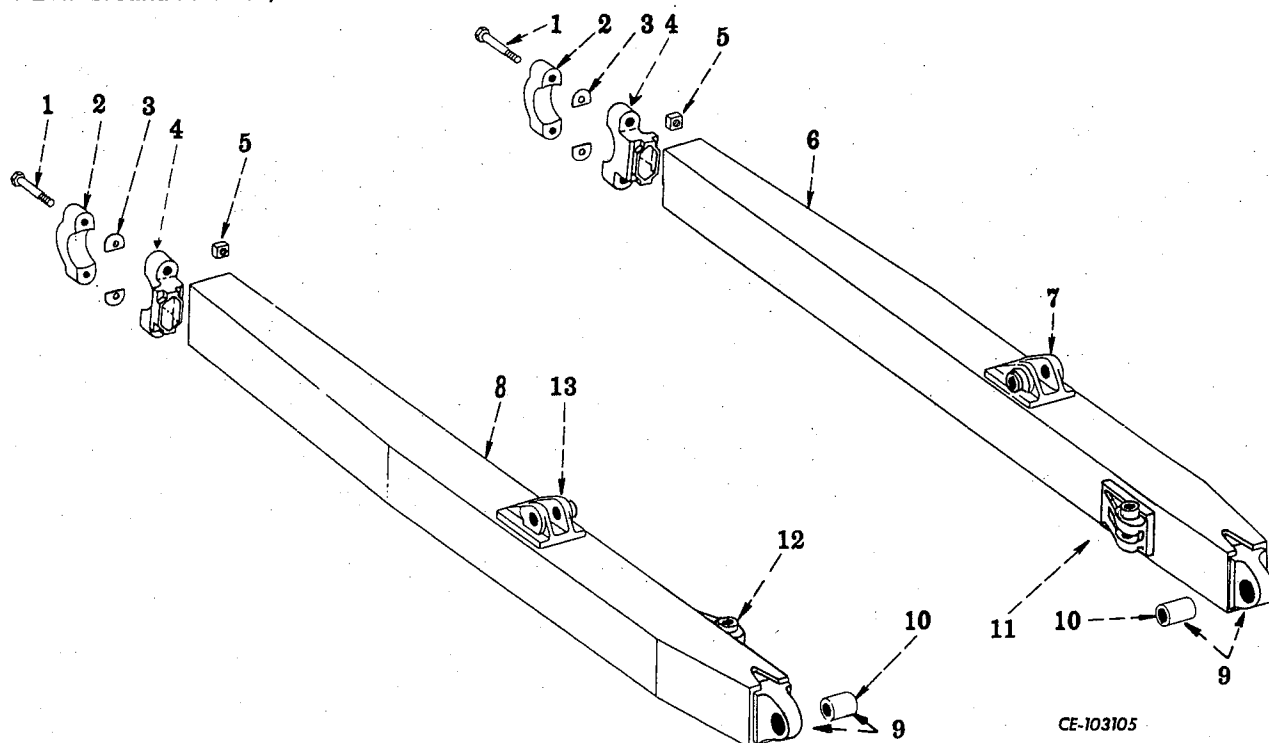
FRAME

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLGRADER "C" FRAME — Continued					
12	317 499 R1	BUSHING, crosshead swivel pin			
12	603 937 C1	BUSHING, crosshead swivel pin used on machines equipped with "C" FRAME, 620 949 C92) (4.0" O D)			
13	618 574 C1	BRACKET, RH hydraulic lift			
14	293 999 R1	BRACKET, RH strut (3)			
	632 277 C91	PACKAGE, "C" frame field improve- ment (for machines equipped with "C" FRAME, 620 949 C91) (Composed of -			
		2 BUSHING		317 499 R1	
		or			
		2 BUSHING		603 937 C1	
		1 DRAWING		CZG-1630	
		1 DRAWING		CZG-1631	
		1 PIN		668 730 C1	
		1 RING		668 733 C1)	

FRAME

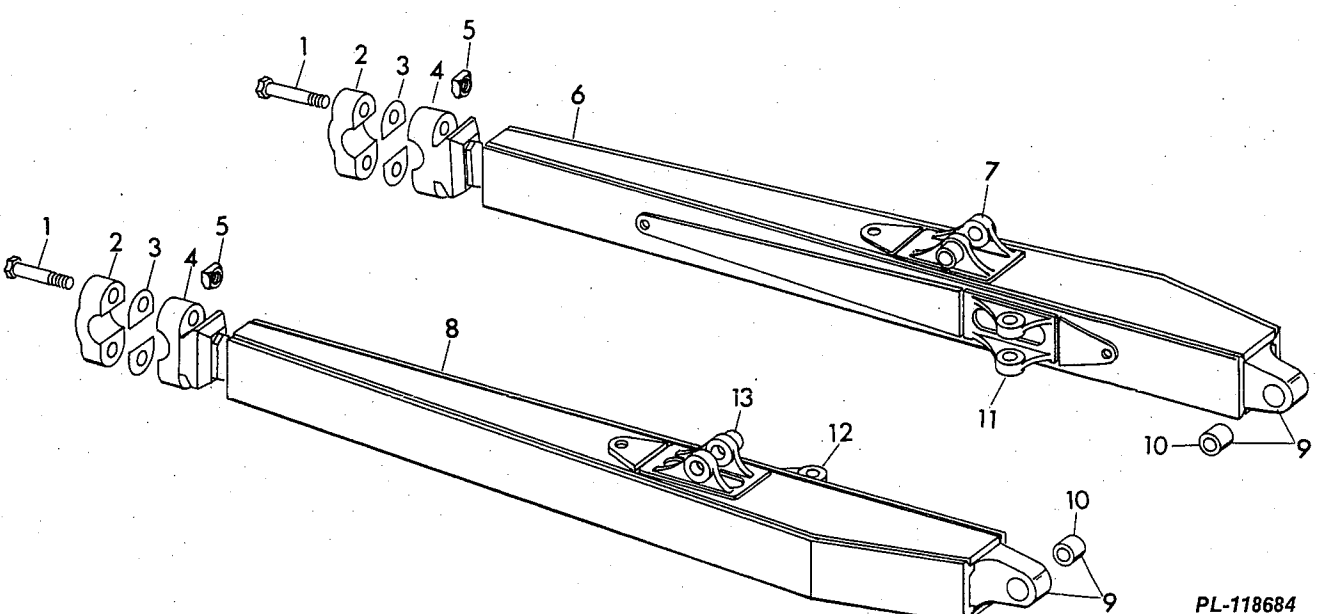
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION

BULLDOZER PUSH ARMS
(Not for Semi "U" Blades)
(Not For Low Ground Pressure)



1	26 632 R1	SCREW, hex-hd cap (Replaces 25 996 R1) (Used w/CAP, 717 740 C1) (4)	8	333 290 R91	ARM w/CAP ASSEMBLY, RH push (Composed of -
2	717 740 C1	CAP, trunnion bearing (Replaces, 608 031 C1)(Used w/SCREW, 25 996 R1)		1	BEARING 293 046 R1
3	290 257 R1	SHIM, trunnion bearing cap (16)		2	BOLT 26 632 R1
4	293 046 R1	BEARING, trunnion (2)		1	BRACKET 333 294 R91
5	290 256 R2	NUT, trunnion bearing cap (4)		1	BRACKET 333 295 R91
6	333 289 R91	ARM w/CAP ASSEMBLY, LH push (Composed of -		1	CAP 717 740 C1
	1	BEARING 293 046 R1		2	NUT 290 256 R2
	2	BOLT 26 632 R1		1	PIVOT 320 875 R11
	1	BRACKET 333 294 R91		8	SHIM 290 257 R1)
	1	BRACKET 333 295 R91			
	1	CAP 717 740 C1			
	2	NUT 290 256 R2			
	1	PIVOT 320 875 R11			
	8	SHIM 290 257 R1)			
7	333 295 R91	BRACKET, strut	9	320 875 R11	PIVOT w/BUSHING, 290 267 R2, push arm (2)
			10	290 267 R2	BUSHING, push arm pivot (2)
			11	333 294 R91	BRACKET, strut
			12	333 295 R91	BRACKET, strut
			13	333 294 R91	BRACKET, strut

FRAME

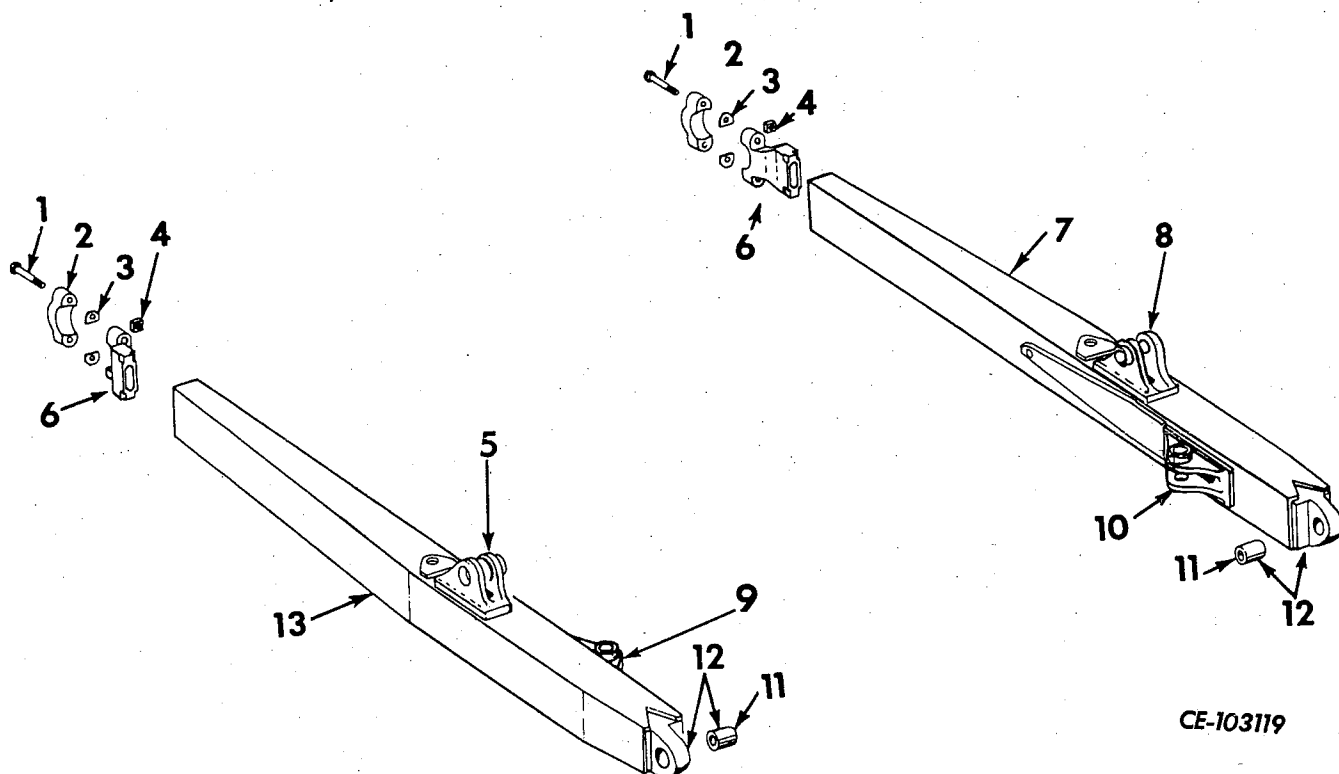
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER PUSH ARMS (Not For Semi "U" Blades) (For Low Ground Pressure)					
					
1	26 632 R1	SCREW, hex-hd cap (4)	8	711 555 C91	ARM w/CAP ASSY., RH push (Composed of —
2	717 740 C1	CAP, trunnion bearing (2)		1 BEARING	608 094 C1
3	290 257 R1	SHIM, trunnion bearing cap (16)		2 BOLT	26 632 R1
4	608 094 C1	BEARING, trunnion (2)		1 BRACKET	608 024 C91
5	290 256 R2	NUT, trunnion bearing cap (4)		1 BRACKET	608 028 C91
6	711 554 C91	ARM w/CAP ASSY., LH push (Composed of —		1 CAP	717 740 C1
		1 BEARING		2 NUT	290 256 R2
		2 BOLT		1 PIVOT	320 726 R11
		1 BRACKET		8 SHIM	290 257 R1)
		1 BRACKET			
		1 CAP			
		2 NUT			
		1 PIVOT			
		8 SHIM			
7	608 023 C91	BRACKET, upper strut LH	9	320 726 R11	PIVOT w/BUSHING, 320 726 R1 push arm (2)
			10	320 726 R1	BUSHING, push arm pivot (2)
			11	608 027 C91	BRACKET, diagonal strut LH
			12	608 028 C91	BRACKET, diagonal strut RH
			13	608 024	BRACKET, upper strut RH

PL-118684

FRAME

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

BULLDOZER PUSHARMS
(For Semi "U" Blades)
(Not For Low Ground Pressure)



CE-103119

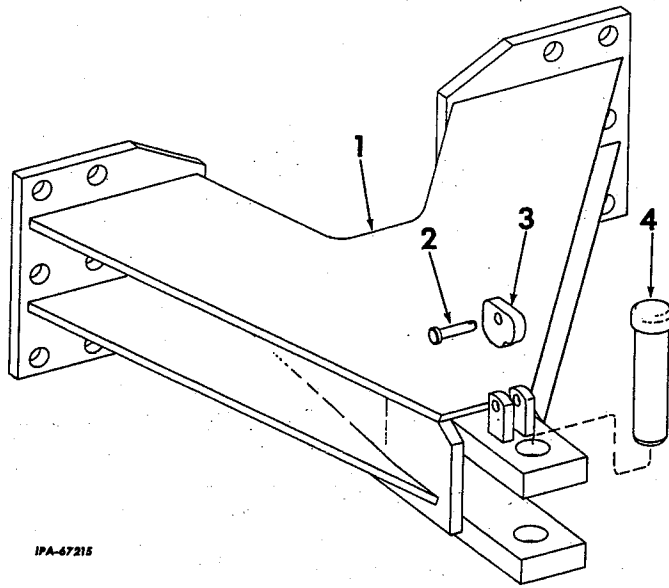
1	26 632 R1	SCREW, hex-hd cap trunnion bearing cap (Replaces 25 996 R1)(Used w/CAP, 717 740 C1) (4)	10	608 027 C91	BRACKET, diagonal strut
2	717 740 C1	CAP, trunnion bearing (Replaces, 608 031 C1)(Used w/SCREW, 25 996 R1) (2)	11	290 267 R2	BUSHING, pusharm pivot (2)
3	290 257 R1	SHIM, trunnion bearing cap (16)	12	320 726 R11	PIVOT w/BUSHING, 290 267 R2, pusharm (2)
4	290 256 R2	NUT, trunnion bearing cap bolt (4)	13	608 098 C91	ARM ASSY., RH push (Composed of -
5	608 024 C91	BRACKET, upper strut	§ 1 ARM		
6	608 094 C1	BEARING, trunnion (2)	1	BEARING	608 094 C1
7	608 097 C91	ARM ASSY., LH push (Composed of -	2	BOLT	26 632 R1
§ 1 ARM			1	BRACKET	608 023 C91
1	BEARING	608 094 C1	1	BRACKET	608 027 C91
2	BOLT	26 632 R1	1	CAP	717 740 R1
1	BRACKET	608 023 C91	2	NUT	290 256 R2
1	BRACKET	608 027 C91	1	PIVOT	320 726 R11
1	CAP	717 740 R1	8	SHIM	290 257 R1)
2	NUT	290 256 R2			
1	PIVOT	320 726 R11			
8	SHIM	290 257 R1)			
8	608 023 C91	BRACKET, upper strut			
9	608 028 C91	BRACKET, diagonal strut			

§ - Not furnished separately.

FRAME

REF. NO.	PART NUMBER	DESCRIPTION

RIGID DRAWBAR

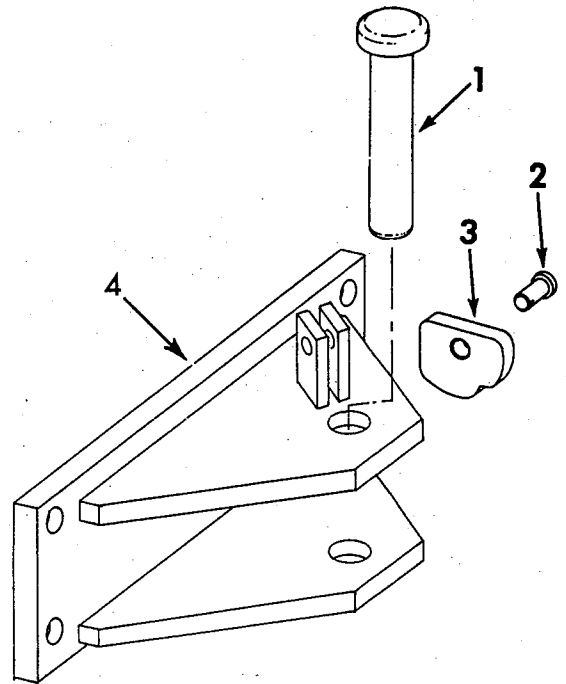


629 427 C91 ATTACHMENT, rigid drawbar
(See NOTE 3)
(Consists of -

1	327 800 R92	DRAWBAR	
	25 646 R1	SCREW, hex-hd cap	(8)
	620 142 C1	WASHER, hardened	(8)
2	33 558 V	PIN, clevis cam lock	
	103 384	PIN, cotter	
3	278 112 R1	CAM, clevis pin lock	
4	325 096 R1	PIN, drawbar	

REF. NO.	PART NUMBER	DESCRIPTION

RECOVERY HITCH



CE-109050

632 189 C91 ATTACHMENT, recovery hitch
(See Note 3)
(Consists of -

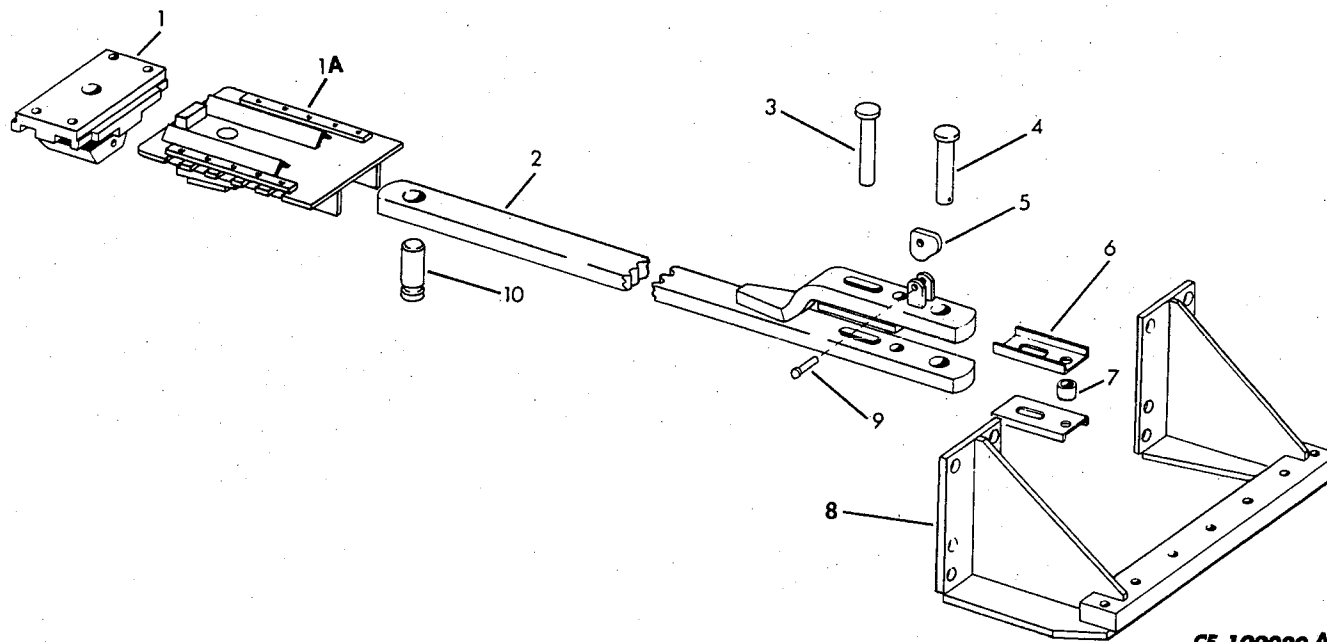
1	274 325 R1	PIN, drawbar	
2	33 558 V	PIN, clevis cam lock	
	103 384	PIN, cotter	
3	278 112 R1	CAM, clevis pin lock	
4	663 172 C1	DRAWBAR	
	26 053 R1	SCREW, hex-hd cap	(4)
	25 549 R1	WASHER, flat	(4)

NOTE 3 - Field Application - Order through
Regular Parts Channels.

FRAME

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

SWINGING DRAWBAR



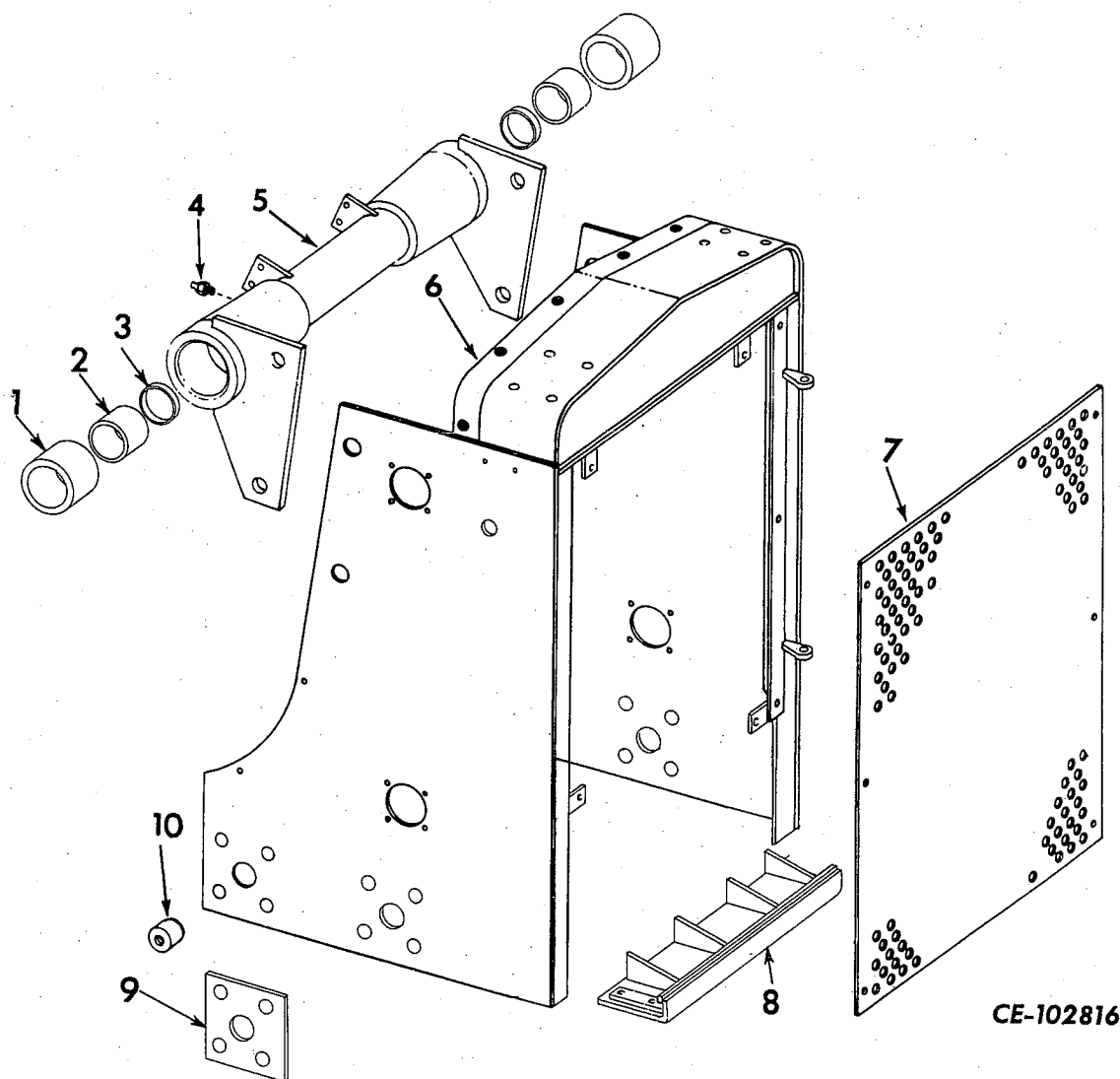
CE-109020 A

1	334 232 R2	BRACKET, drawbar pivot (Not For Low Ground Pressure)	7	304 754 R1	SPACER, wear plate
	24 888 R1	SCREW, hex-hd cap (4)		26 015 R1	SCREW, hex-hd cap
	277 606 R1	WASHER, hardened (4)		25 677 R1	NUT
1A	717 330 C1	DOOR, w/DRAWBAR, pivot center (For Low Ground Pressure)	8	334 234 R92	BRACKET, drawbar guide
	24 872 R1	BOLT (10)		25 845 R1	SCREW, hex-hd cap (10)
2	334 233 R13	DRAWBAR	9	33 558 V	PIN, cam lock
3	325 096 R1	PIN, drawbar pivot		103 384	PIN, cotter
4	304 755 R1	PIN, drawbar stop	10	334 235 R1	PIN, drawbar pivot (Not For Low Ground Pressure)
	103 423	PIN, cotter		27 507 R1	SCREW, hex-hd cap
5	278 112 R1	CAM, clevis pin lock		116 121	WASHER, lock
6	53 977 D	PLATE, drawbar clevis wear (2)	10	651 431 C1	PIN, drawbar pivot (For Low Ground Pressure)

FRAME

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

RADIATOR GUARD
(Not For Low Ground Pressure)



1	289 255 R2	BUSHING, outer (2)	6	651 401 C1	GUARD, hydraulic radiator (For manual shift and power shift equipped with bulldozer or bullgrader)
2	345 971 R2	BUSHING, inner (2)			
3	336 238 R1	PLUG, cup (2)			(Composed of -
4	126 152	FITTING, lubrication (2)			2 BUSHING 289 255 R1
					2 BUSHING 345 971 R1
					1 CROSSTUBE 620 476 C91
5	620 476 C91	CROSS TUBE with two BUSHING, 289 255 R2, two BUSHING, 345 971 R2, two PLUG, 336 238 R1			§ 1 GUARD
					2 PLUG 336 238 R1
					* 2 CLAMP 326 239 R1)
	24 841 R1	SCREW, hex-hd cap (Hydraulic cylinder hanger) (2)	6	651 155 C1	GUARD, radiator (For manual shift and power shift not equipped with bulldozer or bullgrader, also for custom application)
		NUT, stover lock (Hydraulic cylinder hanger) (2)			

§ - Not furnished separately.
 * - Optional w/705 573 C1.

FRAME

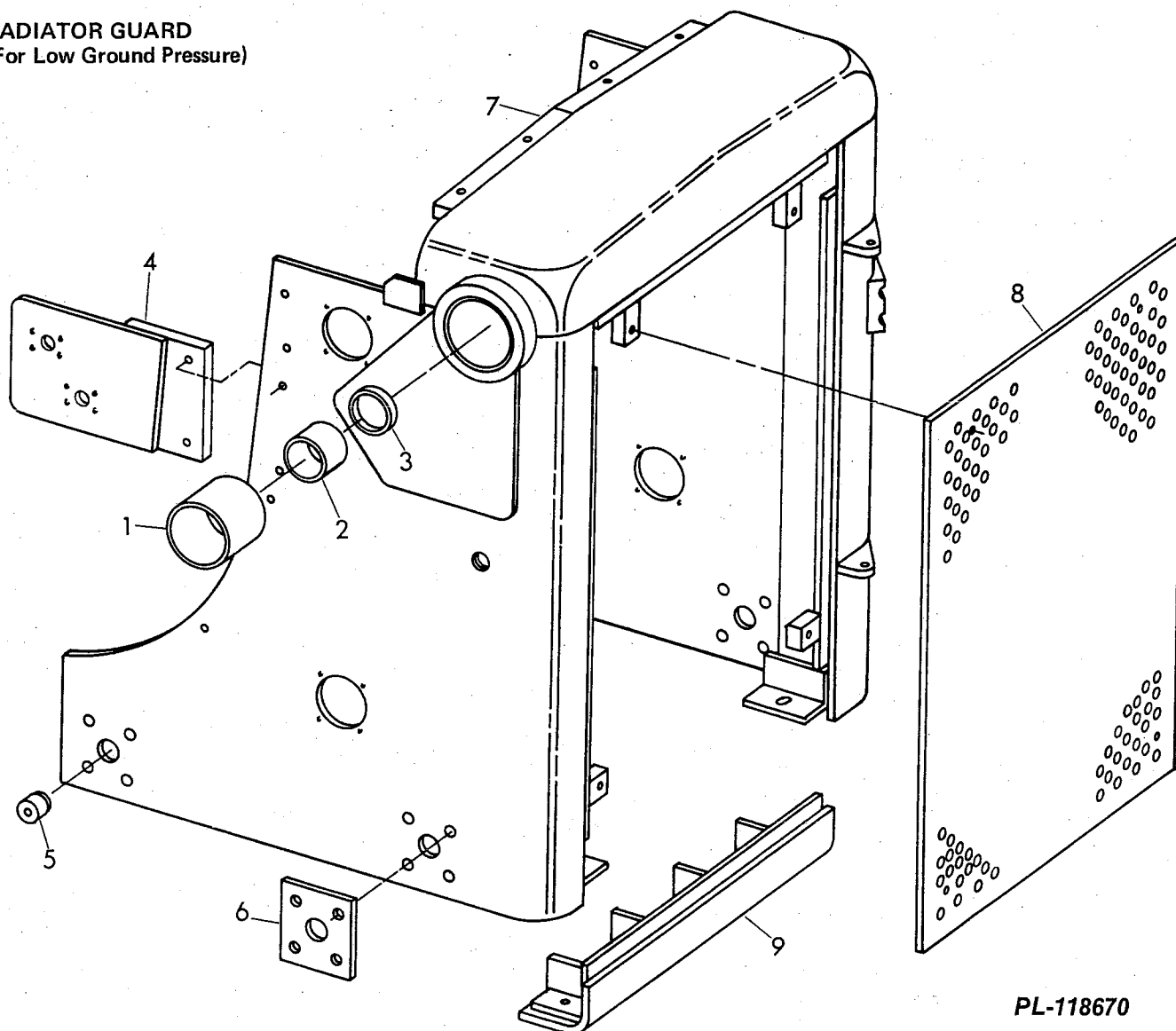
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RADIATOR GUARD — Continued (Not For Low Ground Pressure)					
7	651 171 C1	DOOR, radiator guard			
	9 413 983	NUT, lock (2)			
	24 889 R1	SCREW, 3/4 x 2-1/4" hex-hd cap (2)			
	27 432 R1	SCREW, 3/4 x 1-3/4" hex-hd cap (4)			
	62 177 V	WASHER, flat (4)			
8	651 161 C1	ANGLE, radiator guard lower cross			
	25 528 R1	NUT (4)			
	24 875 R1	SCREW, hex-hd cap (4)			
	524 443 R1	WASHER, flat (4)			
9	650 887 C1	PLATE, dowel retainer and screw washer (4)			
	24 872 R1	SCREW, 5/8 x 1-1/4" hex-hd cap (4)			
	25 764 R1	SCREW, 7/8 x 2-1/4" hex-hd cap (16)			
10	334 407 R1	DOWEL, mounting (4)			
	104 937	CORK, No. 1 (Front lamp bracket mounting hole) (8)			
	104 942	CORK, No. 6 (Grommet hole in radiator guard) (2)			
	628 492 C91	ATTACHMENT, hydraulic radiator guard (For manual shift and power shift) (See NOTE 3) (Consists of -			
		2 BUSHING 345 971 R1			
		2 BUSHING 289 255 R1			
		§ 1 CROSS TUBE 620 476 C91			
		2 FITTING 126 152			
		2 NUT 9 413 953			
		2 PIN 617 584 C1			
		2 PLUG 336 283 R1			
		2 SCREW 24 841 R1			
		2 SLEEVE 243 301 R1)			

NOTE 3 - Field Application - Order through
Regular Parts Channels.

FRAME

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

RADIATOR GUARD (For Low Ground Pressure)



PL-118670

1	289 255 R2	BUSHING, outer (2)	7	713 464 C1	GUARD w/CROSSTUBE, hydraulic radiator
2	345 971 R2	BUSHING, inner (2)	8	651 171 C1	DOOR, radiator guard
3	336 238 R1	PLUG, cup (2)	9	413 983	NUT, lock (2)
4	732 053 C1	PLATE, RH bulk head		24 890 R1	SCREW, 2-1/2" long (2)
	24 874 R1	SCREW, hex-hd cap (2)		24 887 R1	SCREW, 1-3/4" long (4)
	25 547 R1	WASHER, flat (2)		25 557 R1	WASHER, flat (4)
4	732 052 C1	PLATE, LH bulk head	9	713 467 C1	ANGLE, radiator guard lower cross
	24 874 R1	SCREW, hex-hd cap (2)		25 528 R1	NUT (2)
	25 547 R1	WASHER, flat (2)		24 874 R1	SCREW, hex-hd cap (2)
				25 547 R1	WASHER, flat (2)
5	334 407 R1	DOWEL, mounting (4)	104 937		CORK, No. 1 (front lamp bracket mounting hole) (4)
6	650 887 C1	PLATE, dowel retainer and screw washer (4)	104 942		CORK, No. 6 (lamp cable grommet hole)
	24 872 R1	SCREW, 1-1/4" long (4)			
	25 764 R1	SCREW, 2-1/4" long (16)			

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

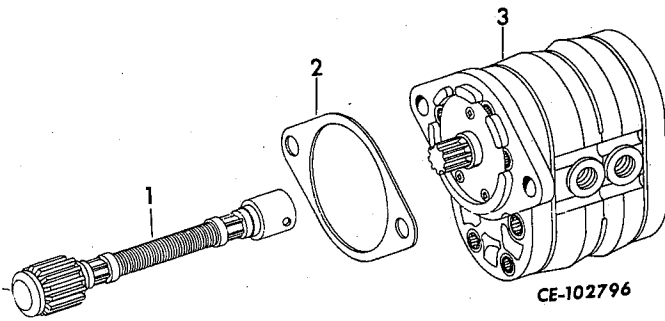
HYDRAULICS

10

HYDRAULICS

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

PRESSURE PUMP AND DRIVE SHAFT (For Manual Shift and Custom Application)

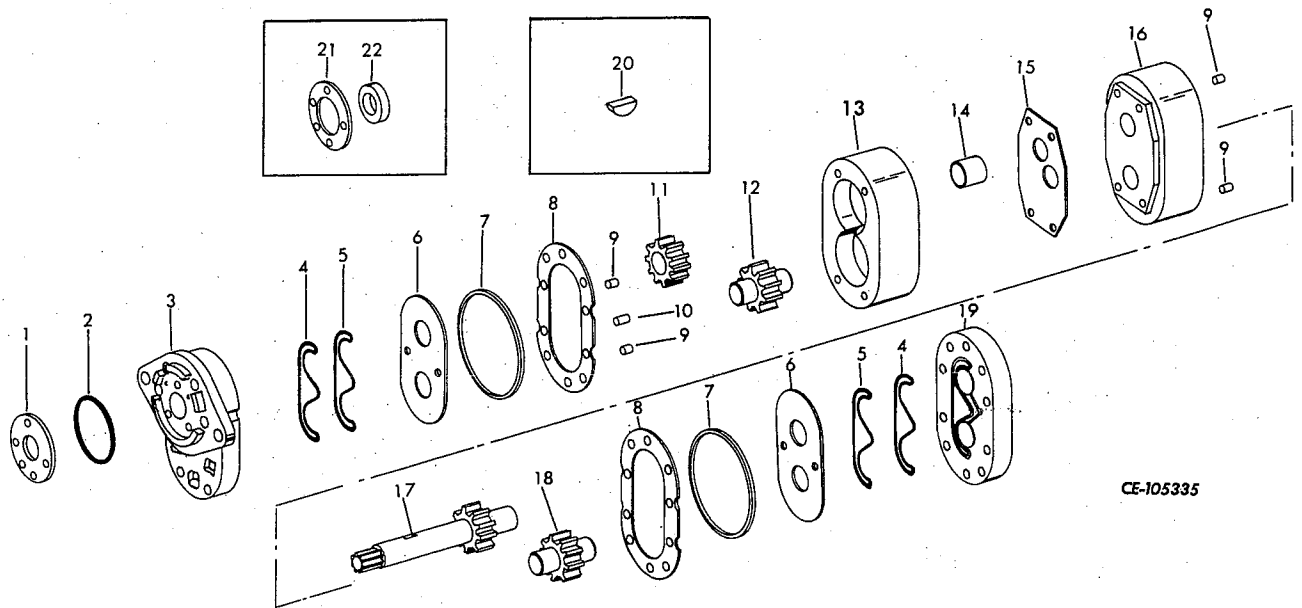


1	654 824 C1	SHAFT, hydraulic pump drive
2	345 606 R1	GASKET, hydraulic pump
3		PUMP, hydraulic pressure (Refer to "HYDRAULIC PUMP")
	101 896 R1	SCREW, hex-hd cap (2)
	115 093	WASHER, lock (2)

HYDRAULICS

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

HYDRAULIC PUMP (Webster)
(For Manual Shift and Custom Application)



CE-105335

	702 632 C91	PUMP ASSEMBLY, hydraulic pressure (Order Pump Assy, 631 304 C91)	8	631 299 C1	PLATE, retainer (2)
	631 304 C91	PUMP ASSEMBLY, hydraulic pressure (Consists of the following parts -	9	625 465 C1	PIN, dowel (4)
1		RETAINER ASSY., seal (%) SCREW, pan-hd (%) (3)	10	631 296 C1	PIN, drive (Use with SHAFT, 631 291 C1)
2		RING, seal (%)	11	625 455 C1	GEAR, drive (Order SHAFT, 631 291 C1, GEAR, 631 295 C1, and PIN, 631 296 C1)
3	625 452 C91	BODY, with two BEARING SLEEVE, 625 442 C1 (Order BODY, 631 286 C1, KIT, 631 290 C91 and PLATE, 631 299 C1)	11	631 295 C1	GEAR, drive
	886 037 C1	SCREW, pan-hd (3)	12	625 456 C1	SHAFT with GEAR, idler
	179 843	SCREW, 1-1/2" long hex-hd cap (8)	13	625 457 C91	COVER, with bearing sleeve
	179 820	SCREW, 1-1/4" long hex-hd cap (4)	14	625 463 C1	SLEEVE, idler
	186 270	SCREW, 3-1/2" long hex-hd cap (4)	15		GASKET, cover (%)
	179 835	WASHER, 3/8" (8) WASHER, 5/16" (8)	16	625 462 C91	COVER, with bearing sleeve
3	631 286 C1	BODY ASSY., with sleeve	17	625 460 C1	SHAFT and GEAR ASSY., drive (Order SHAFT, 631 291 C1, GEAR, 631 295 C1, and PIN, 631 296 C1)
	138 244	SCREW, 3/8" dia. hex-soc-hd (8)	17	631 291 C1	SHAFT and GEAR ASSY., drive
	21 040 R1	SCREW, 1-1/4" long hex-soc-hd (4)	18	625 461 C1	SHAFT with gear idler
	625 464 C1	SCREW, 3-1/2" long hex-soc-hd (4)	19	625 459 C91	COVER, with two SLEEVE, 625 442 C1 (Order COVER, 631 298 C1, KIT, 631 290 C91 and PLATE, 631 299 C1)
4		SEAL, preload (%) (2)			
5		SEAL, load (%) (2)			
6		PLATE, wear (%) (2)			
7		RING, sealing (%) (2)			
8	625 453 C1	PLATE, with seal (Order PLATE, 631 299 C1 and KIT, 631 290 C91) (2)			

(%) - Order KIT, 631 290 C91.

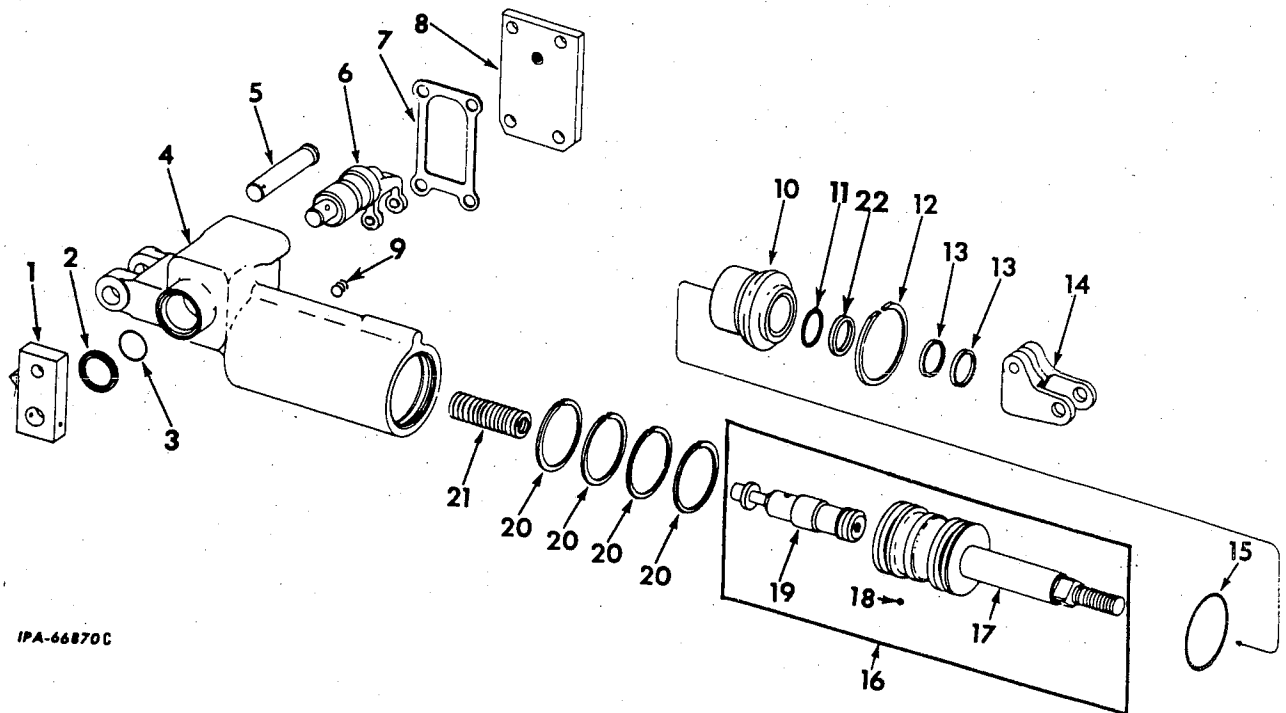
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC PUMP (Webster) — Continued (For Manual Shift and Custom Application)					
19	631 298 C1	COVER, with sleeve			
20	103 646	KEY, (Woodruff) (Use with SHAFT, 625 460 C1)			
21	625 451 C1	RETAINER, seal (Order KIT, 631 290 C1)			
22	177 431 H1	SEAL, oil (Order KIT, 631 290 C1)			
	631 290 C91	KIT, repair (Consists of Reference Numbers 1, 2, 4, 5, 6, 7 and 15)			
	625 442 C1	BEARING, sleeve (Used with SHAFT, 625 460 C1) (Not used with Pump Assy, 631 304 C91) (8)			

HYDRAULICS

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

STEERING BOOSTER



IPA-66870C

	334 810 R93	BOOSTER ASSY., LH hydraulic steering	8	334 822 R11 24 839 R1 115 093	COVER, booster housing SCREW, hex-hd cap (4) WASHER, lock (4)
	334 811 R93	BOOSTER ASSY., RH hydraulic steering (Consists of -	9	445 684	PLUG, sq-hd pipe (2)
1	331 973 R91 17 084 R1	LEVER, valve operating fork PIN, roll	10	334 817 R2	SUPPORT, piston rod
2		SEAL and WIPER, valve operating fork (Order PACKAGE, 636 235 C91)	11	350 818 R1	"O" RING, piston rod (1 x 1-1/4 x 1/8") (Also part of PACKAGE, 636 235 C91)
3	369 908 R1	"O" RING, valve operating fork (13/16 x 1 x 3/32") (Also part of PACKAGE, 636 235 C91)	12	562 025 R1	RING, piston rod support snap
4	334 812 R3	HOUSING, LH booster	13		SEAL and WIPER, piston rod (Order PACKAGE, 636 235 C91) (2)
4	334 813 R3	HOUSING, RH booster	14	331 974 R1 70 427 R1 115 314	CLEVIS, hydraulic booster piston SCREW, hex-hd cap WASHER, lock
5	53 783 H 103 385	PIN, booster pivot rear (*) PIN, cotter	15	379 961 R1	"O" RING, piston rod support (2-1/16 x 2-1/4 x 3/32") (Also part of PACKAGE, 636 235 C91)
6	334 820 R2	FORK, LH valve operating	16	620 322 C91	PACKAGE, booster piston and valve field service
6	334 821 R2	FORK, RH valve operating			
7	334 818 R1	GASKET, housing cover			

(*) - Not furnished as part of Booster Assy.

HYDRAULICS

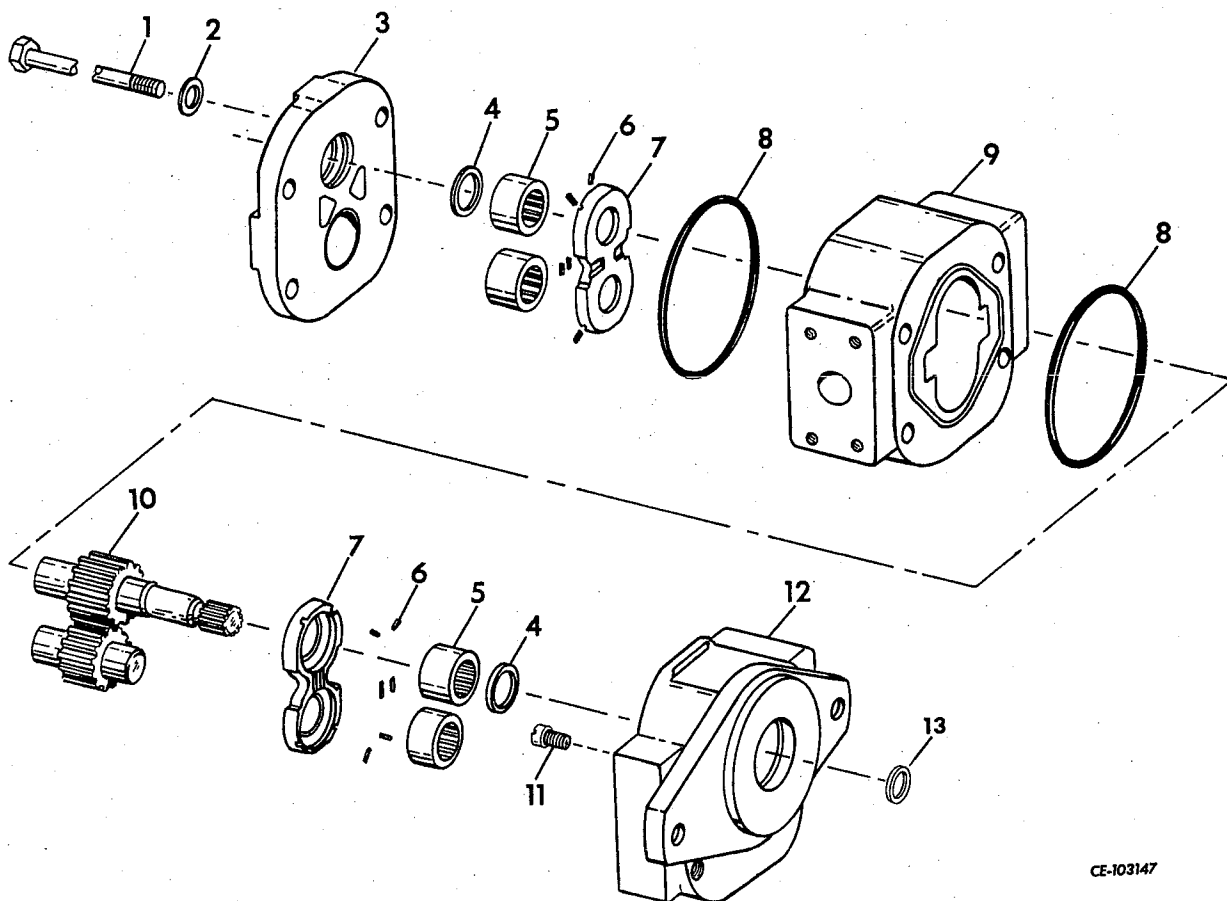
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING BOOSTER — Continued					
17		PISTON, booster (Not furnished separately)			
18	341 922 R1	BALL, piston booster			
19		VALVE, booster piston (Not furnished separately)			
20		RING, piston sealing (Order PACKAGE, 636 235 C91) (4)			
21	620 321 C1	SPRING, piston valve return			
22	625 776 C1	RING, piston rod back-up (Also part of PACKAGE, 636 235 C91)			
	636 235 C91	PACKAGE, cylinder seal ring (Services one cylinder (x) (Consists of -			
		1 RING		350 818 R1	
		1 RING		369 908 R1	
		1 RING		379 961 R1	
		1 RING		625 776 C1	
		§ 4 RING, piston sealing			
		§ 3 SEAL and WIPER			

(x) - As required.
§ - Not furnished separately.

HYDRAULICS

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

EQUIPMENT PUMP



CE-103147

A	657 704 C91	PUMP ASSY., hydraulic (For Manual Shift)	8		"O" RING, 4-1/4 x 4-1/2 x 1/8"(+)(2)
	25 526 R1	NUT, 1/2" (2)	9	613 810 C1	HOUSING, gear
B	657 735 C91	PUMP ASSY., hydraulic (For power shift)	10	630 416 C1	SET, drive and driven gear
	24 874 R1	SCREW, hex-hd cap (2)	11	625 322 C1	PLUG
1	272 552	SCREW, hex-hd cap (4)	12	630 417 C1	COVER, shaft end (A)
2	524 443 R1	WASHER (4)	12	627 661 C1	COVER, shaft end (B)
3	627 660 C1	COVER, port end	13		SEAL, oil (+)
4	627 657 C1	SEAL SHAFT (2)			
5	610 247 C91	BEARING (4)			
6		SEAL, pocket (+) (12)			
7	610 228 C2	PLATE, thrust (2)			

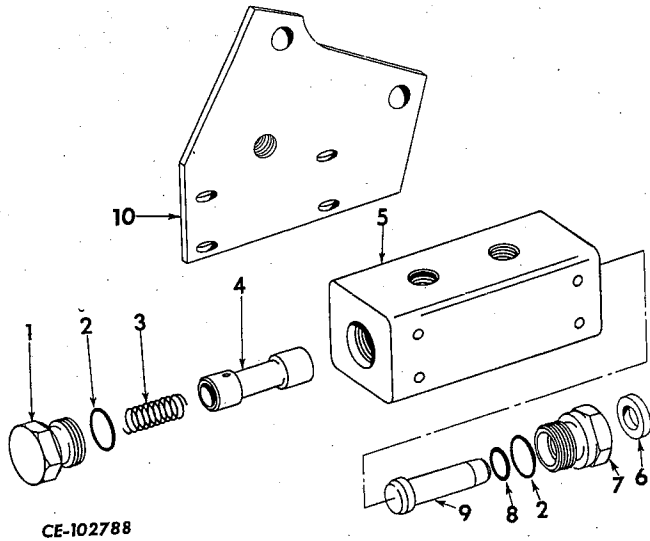
(+) - Order KIT, 637 470 C91

637 470 C91 KIT, seal repair
(Consists of —
\$ 2 "O" RING
\$ 1 SEAL
\$ 1 SEAL

HYDRAULICS

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

DIVERTER VALVE (For Manual Shift and Custom Application) (Webster Electric Co.)

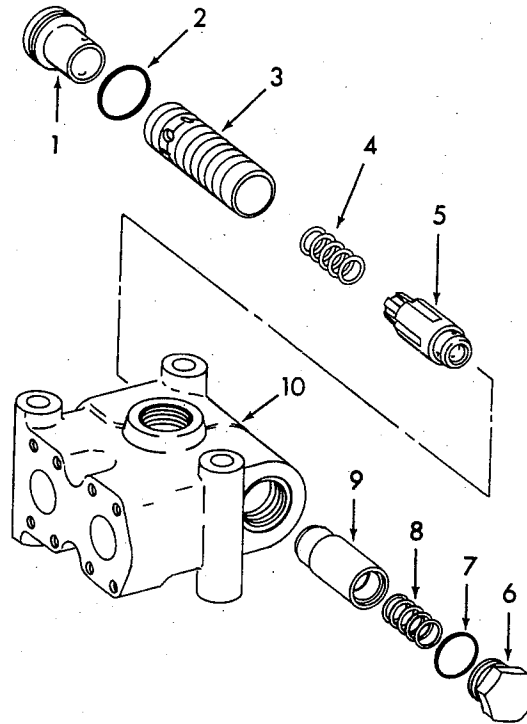


654 180 C91	DIVERTER VALVE ASSEMBLY
25 672 R1	SCREW, hex-hd cap (4)
120 392	WASHER, flat (4)
19 592 R1	NUT (4)
	(Consists of the following parts -
1	627 710 C1 PLUG
2	364 885 R1 "O" RING (2)
3	627 709 C1 SPRING
4	SPOOL (Not furnished separately)
5	HOUSING (Not furnished separately)
6	398 691 R91 SEAL
7	627 708 C91 PLUG w/SEAL, 398 691 R91
8	627 711 C1 "O" RING (.50 x .62 x .070")
9	SPOOL (Not furnished separately)
10	654 206 C1 SUPPORT, diverter valve
	25 526 R1 NUT (2)
	24 860 R1 SCREW, 1/2 x 1" hex-hd cap
	24 866 R1 SCREW, 1/2 x 2-1/2" hex-hd cap
	(2)
613 454 C1	WASHER (3)

HYDRAULICS

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

BLADE EQUIPMENT QUICK DROP VALVE



CE-104830 A

	656 169 C91	VALVE ASSY., quick drop	7	296 247 R1	"O" RING, 1.171 x 1.403 x .116"
	9 413 981	NUT, lock (3)	8	300 761 R1	SPRING, check valve
	24 858 R1	SCREW, hex-hd cap (3)	9	616 514 C1	POPPET
	118 776	WASHER, flat (3)	10		BODY (Not furnished separately)
1	605 261 C1	(Consists of - SLEEVE		608 366 C92	BRACKET, valve mounting (Not part of Valve Assy.) (% and below)(+)
2	328 249 R1	"O" RING, 1-5/8 x 1-3/4 x 1/16"		25 526 R1	NUT (2)
3		SPOOL (Not furnished separately)		24 861 R1	SCREW, hex-hd cap (2)
4	656 266 C2	SPRING, spool		116 121	WASHER, lock (2)
5	656 167 C1	STOP, spool			
6	9 410 363	PLUG			

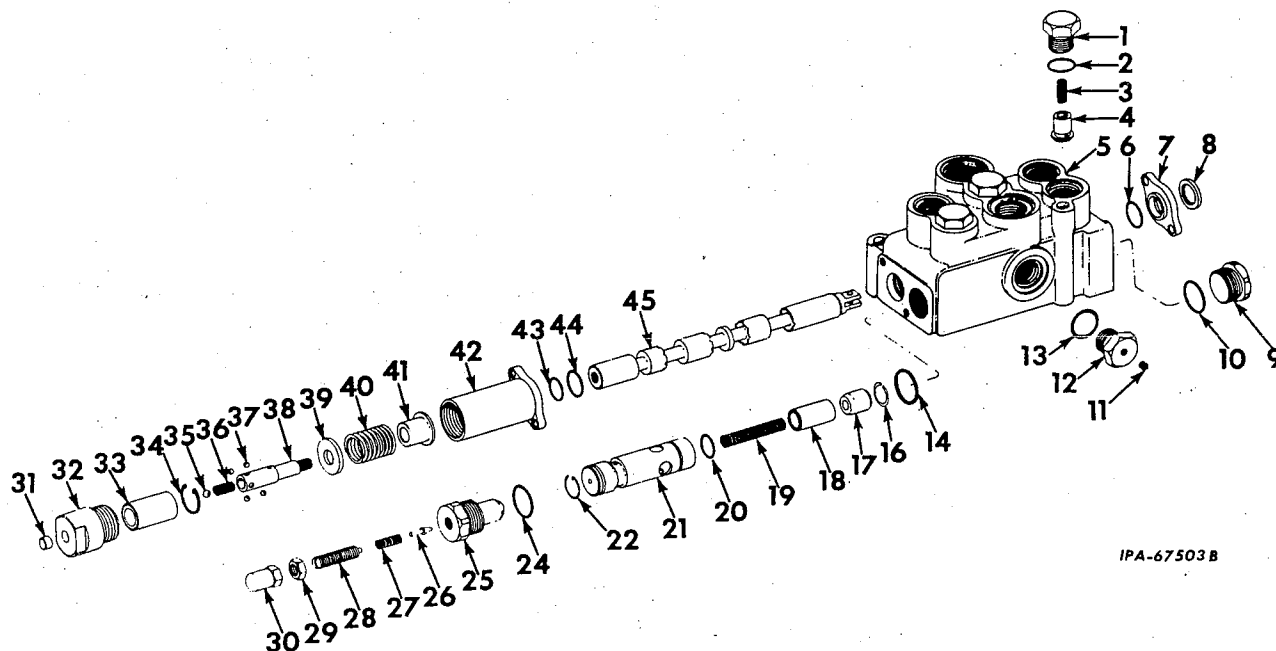
(+) - Not For Low Ground Pressure.

(%) - Serial number not available.

HYDRAULICS

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

HYDRAULIC CONTROL VALVE (Single Spool) (For Manual Shift and Power Shift)



IPA-67503 B

	332 975 R94	VALVE ASSY., hydraulic (Single spool)	13	307 915 R1	"O" RING (1.475 x 1.711 x .118") (2)
9	413 956	NUT, stover lock (3)	14	343 902 R1	"O" RING (1-1/4 x 1-3/8 x 1/16")
	24 867 R1	SCREW, 1/2 x 3-1/2" hex-hd cap (2)	16	342 008 R1	RING, poppet retaining
	25 687 R1	SCREW, 1/2 x 6" hex-hd cap (Consists of -	17	342 005 R1	SEAT, valve
1	335 579 R1	CAP, valve (2)	18	342 006 R11	POPPET, relief
2	296 247 R1	"O" RING (1.171 x 1.403 x .116") (2)	19	342 004 R1	SPRING, pilot relief
3	335 618 R1	SPRING, valve (2)	20	343 900 R1	"O" RING (1-1/16 x 1-3/16 x 1/16")
4	335 617 R1	PLUNGER, valve (2)	21	342 010 R3	HOUSING, pilot relief
5		BODY (Not furnished separately)	22	342 007 R1	WIRE, pilot relief
6	350 818 R1	"O" RING (1 x 1-1/4 x 1/8")	24	252 483 R1	"O" RING (1-1/4 x 1-1/2 x 1/8")
7	335 613 R1	PLATE, wiper	25	342 327 R1	CAP, relief valve
	25 493 R1	SCREW, hex-hd cap (2)	26	342 011 R2	POPPET
8	277 181 R91	SEAL, wiper	27	605 031 C1	SPRING
9	342 016 R1	PLUG, relief valve	28	342 014 R1	SCREW, adjusting
10	310 928 R1	"O" RING (1-1/4 x 1-1/2 x 1/8")		59 657 D	WASHER (2)
11	444 612	PLUG, pipe (2)	29	114 496	NUT, NF jam
12	335 633 R1	PLUG, port (2)	30	342 015 R1	COVER, adjusting screw

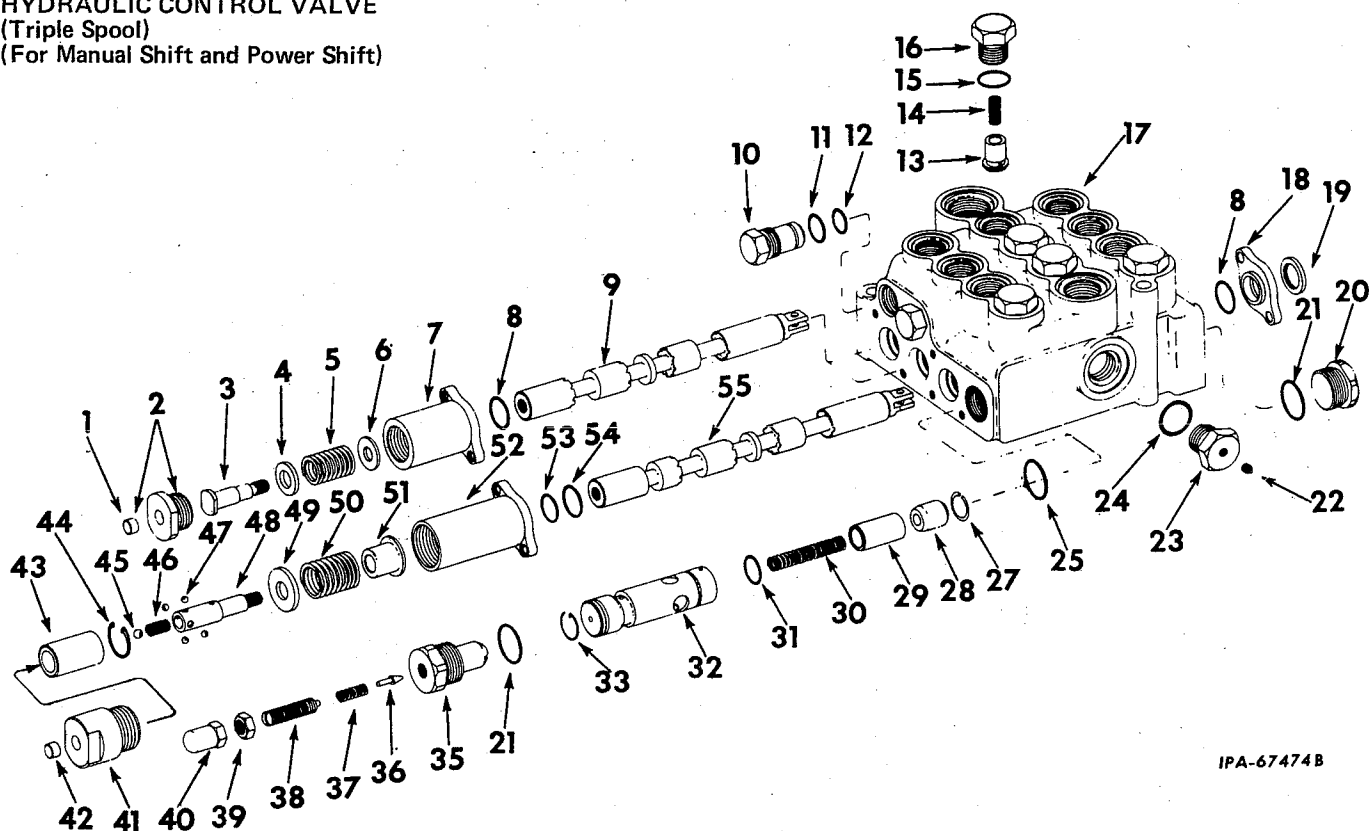
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL VALVE — Continued (Single Spool) (For Manual Shift and Power Shift)					
31	376 429 R1	FILTER, bronze			
32	335 595 R1	CAP			
33	342 019 R1	SLEEVE, detent			
34	301 230 R1	RING, snap			
35	17 014 R1	BALL, steel			
36	342 018 R1	SPRING, detent			
37	17 011 R1	BALL, 11/32" steel (4)			
38	602 013 C1	PIN			
39	335 598 R2	SPACER, spring			
40	335 599 R2	SPRING, centering			
41	335 601 R1	HOLDER, spring			
42	335 602 R11 21 035 R1	PLATE, retaining SCREW, hex-soc-hd cap (2)			
43	350 818 R1	"O" RING (1 x 1-1/4 x 1/8")			
44	298 382 R1	"O" RING (1-5/16 x 1-7/16 x 1/16")			
45		SPOOL (Not furnished separately)			

HYDRAULICS

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

HYDRAULIC CONTROL VALVE (Triple Spool) (For Manual Shift and Power Shift)



IPA-67474B

346 183 R92	VALVE ASSY., hydraulic (Triple spool)	11	368 269 R1	"O" RING (.924 x 1.156 x .116") (4)
9 413 956	NUT, 1/2" stover lock (3)	12	364 840 R1	"O" RING (13/16 x 15/16 x 1/16") (4)
24 867 R1	SCREW, 1/2 x 3-1/2" hex-hd cap (2)	13	335 617 R1	PLUNGER, valve (4)
25 687 R1	SCREW, 1/2 x 6" hex-hd cap (Consists of -	14	335 618 R1	SPRING, valve (4)
1	376 429 R1 FILTER, detent cap bronze (2)	15	296 247 R1	"O" RING (1.171 x 1.403 x .116") (4)
2	335 606 R11 CAP w/FILTER, 376 429 R1, detent (2)	16	335 579 R1	CAP, valve (4)
3	335 607 R1 PIN (2)	17		BODY, valve (Not furnished separately)
4	335 608 R2 SPACER (2)	18	335 613 R1	PLATE, wiper (3)
5	335 609 R1 SPRING, centering (2)	21 035 R1		SCREW, hex-soc-hd cap (6)
6	335 611 R2 SPACER (2)	19	277 181 R91	SEAL, wiper (3)
7	342 002 R1 HOUSING, detent (2)	20	342 016 R1	PLUG
21 035 R1	SCREW, hex-soc-hd cap (4)	21	252 483 R1	"O" RING (1-1/4 x 1-1/2 x 1/8") (2)
8	350 818 R1 "O" RING (1 x 1-1/4 x 1/8") (5)	22	444 612	PLUG, 1/8" pipe (2)
9	SPOOL, double acting (Not furnished separately)	23	335 633 R1	PLUG, 1-1/4" port (2)
10	342 020 R1 PLUG (4)	24	307 915 R1	"O" RING (1.475 x 1.711 x .188") (2)

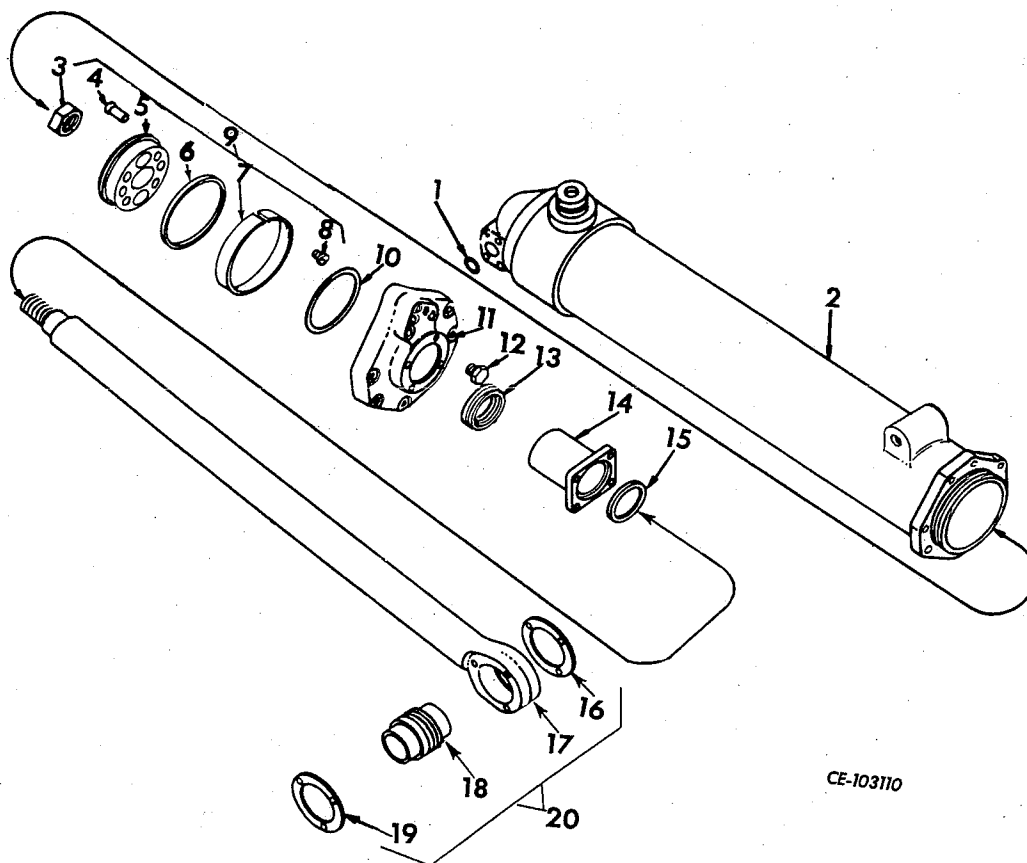
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROL VALVE — Continued (Triple Spool) (For Manual Shift and Power Shift)					
			343 521 R1	PLATE, number	
25	343 902 R1	"O" RING (1-1/4 x 1-3/8 x 1-1/16")	40 329 DA	RIVET, plate securing (2)	
27	342 008 R1	RING, poppet retaining			
28	342 005 R1	SEAT, valve			
29	342 006 R11	POPPET, relief			
30	342 004 R1	SPRING, pilot relief			
31	343 900 R1	"O" RING (1-1/16 x 1-3/16 x 1/16")			
32	342 010 R3	HOUSING, pilot relief			
33	342 007 R1	WIRE, pilot relief			
35	342 327 R1	CAP, relief valve			
36	342 011 R2	POPPET, pilot relief			
37	605 031 C1	SPRING			
38	342 014 R1 59 657 D	SCREW, adjusting WASHER (2)			
39	114 505	NUT, 1/2" jam			
40	342 015 R1	COVER, adjusting			
41	335 595 R1	CAP			
42	376 429 R1	FILTER, bronze			
43	342 019 R1	SLEEVE, detent			
44	383 878 R1	RING, snap			
45	17 014 R1	BALL, 7/16" dia. steel			
46	602 014 C1	SPRING, detent			
47	17 011 R1	BALL, 11/32" dia. (4)			
48	602 013 C1	PIN			
49	335 598 R2	SPACER, spring			
50	335 599 R2	SPRING, centering			
51	335 601 R1	HOLDER, spring			
52	602 881 C1 179 818	PLATE, retaining SCREW, 5/16 x 1" hex-hd cap (PLN Type 5) (2)			
53	350 818 R1	"O" RING (1 x 1-1/4 x 1/8")			
54	347 070 R1	"O" RING (1-5/16 x 1-7/16 x 1/16")			
55		SPOOL, float (Not furnished separately)			

HYDRAULICS

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

BLADE LIFT CYLINDER 2362 and below



CE-103110

704 018 C91 CYLINDER ASSY., hydraulic lift (2)			(For LH application bulldozer, order -		
	1 CYLINDER	707 177 C91		1 CYLINDER	707 177 C91
	1 TUBE	662 298 C91		1 TUBE	632 333 C91
	1 TUBE	662 300 C91)		1 TUBE	632 335 C91)
(For LH application bulldozer, order -			(For RH application bulldozer, order -		
	1 CYLINDER	707 177 C91		1 CYLINDER	707 177 C91
	1 TUBE	632 333 C91		1 TUBE	662 299 C91
	1 TUBE	632 335 C91)		1 TUBE	662 301 C91)
(For RH application bulldozer, order -			(For RH application bulldozer, order -		
	1 CYLINDER	707 177 C91		1 CYLINDER	707 177 C91
	1 TUBE	662 299 C91		1 TUBE	632 336 C91
	1 TUBE	662 301 C91)		1 TUBE	632 334 C91)
(For RH application bulldozer, order -			3	27 137 R1	NUT
	1 CYLINDER	707 177 C91	4		STEM, relief valve (Order VALVE, 296 590 R91) (2)
	1 TUBE	632 336 C91	5		PISTON, hydraulic cylinder (Order PISTON ASSY., 623 823 C92)
	1 TUBE	632 334 C91)	6		RING, piston seal (Order PACKAGE, 679 325 C91)
1	708 560 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"	7		RING, piston wear (Order PACKAGE, 679 325 C91) (2)
2	704 014 C1	HOUSING, cylinder	8		END, relief valve (Order VALVE, 296 590 R91) (2)
		(For LH application bulldozer, order -			
	1 CYLINDER	707 177 C91			
	1 TUBE	662 298 C91			
	1 TUBE	662 300 C91)			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE LIFT CYLINDER — Continued					
2362 and below					
9	623 823 C92	PISTON ASSY., hydraulic cylinder (Composed of - § 2 END § 1 PISTON § 1 RING, piston seal § 2 RING, wear § 2 STEM 1 VALVE 296 590 R91)	679 325 C91	PACKAGE, cylinder seal ring (Services on cylinder) (x) (Consists of — § 1 PACKING, rod 1 RING 343 926 R1 1 RING 666 381 C1 § 2 RING, wear § 1 RING, piston seal § 1 SEAL, rod wiper	
10	343 926 R1 666 381 C1	"O" RING, 4-7/8 x 5-1/8 x 1/8" Also part of PACKAGE, 679 325 C91) RING, back-up (Also part of PACKAGE, 679 325 C91)			
11	333 275 R2 24 852 R1 70 428 R1	CAP, cylinder SCREW, 7/16 x 2-1/4" hex-hd cap (6) SCREW, 7/16 x 3-1/4" hex-hd cap (2)			
12	444 824	PLUG, NPT hex-hd			
13		PACKING, rod (Order PACKAGE, 679 325 C91)			
14	333 276 R1 25 505 R1 116 121	GLAND, packing SCREW, hex-hd cap (4) WASHER, lock (4)			
15		SEAL, rod wiper (Order PACKAGE, 679 325 C91)			
16	320 742 R1 179 891	PLATE, inner locking SCREW, hex-hd cap (3)			
17		ROD, cylinder piston (Order ROD ASSY., 333 356 R11)			
18	321 247 R91	BEARING, piston rod			
19	320 741 R1	PLATE, outer locking			
20	333 356 R11	ROD ASSY., piston (Composed of - 1 BEARING 321 247 R91 1 FITTING 109 461 1 PLATE 320 741 R1 1 PLATE 320 742 R1 § 1 ROD)			
	109 461	FITTING, lubrication (3)			
	343 905 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"			
	296 590 R91	VALVE w/END and STEM, relief (x)			

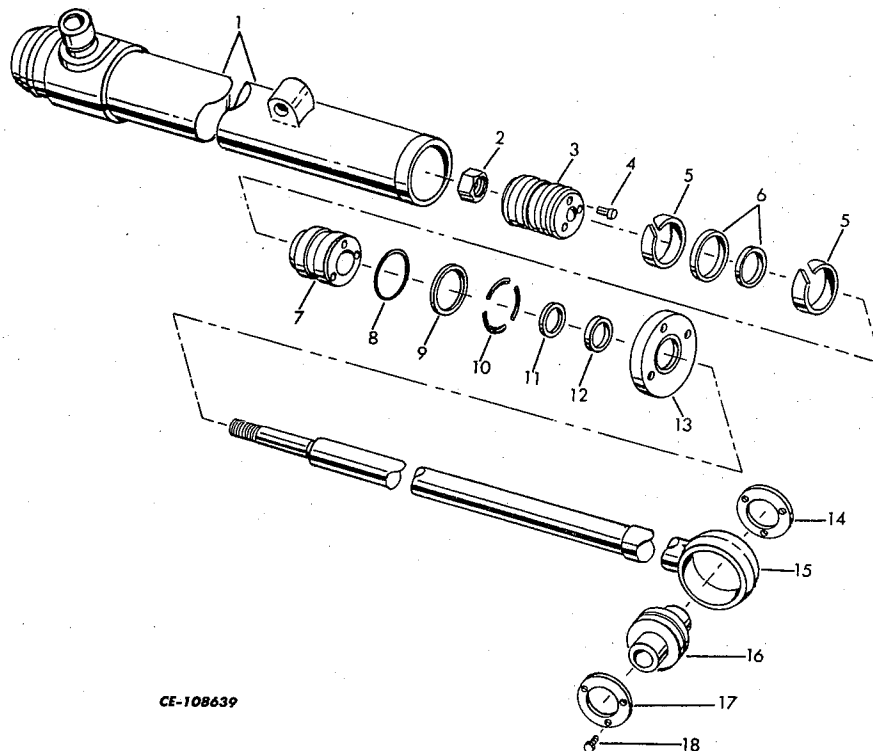
(x) - As Required.

§ - Not Furnished Separately.

HYDRAULICS

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

BLADE LIFT CYLINDER 2363 and up



CE-108639

A	658 501 C91	CYLINDER ASSY., hydraulic lift (Order CYLINDER, 707 177 C91) (2) (+)	8	347 914 R1	"O" RING (%) (Also part of PACKAGE, 636 131 C91)
B	707 177 C91	CYLINDER ASSY., hydraulic lift (2)(+)	9	629 274 C1	RING, back-up (%)
C	707 161 C91	CYLINDER ASSY., hydraulic lift (2) (For Low Ground Pressure)	10	174 299 H1	RING, locking (3)
1	658 503 C1	HOUSING, cylinder (w/cast hanger support) (Order CYLINDER ASSY., 707 177 C91) (A)	11		SEAL, rod (%)
1	707 176 C1	HOUSING, cylinder (w/welded hanger support) (B)	12		SEAL, rod wiper (%)
	109 461	FITTING, lube (2)	13	657 983 C1 656 442 C1	COVER (w/3 screw holes) (A) GASKET, cover (part of PACKAGE, 636 131 C91)
1	707 151 C1	HOUSING, cylinder (w/welded hanger support) (C)		26 679 R1 25 533 R1	SCREW, hex-hd cap (3) WASHER, flat (3)
	109 461	FITTING, lube (2)	13	707 153 C1	COVER, cylinder (w/6 screw holes) (B and C)
2	27 137 R1 214 757 R2	NUT WASHER, flat		347 914 R1 26 679 R1 25 533 R1	RING, cover sealing (%) SCREW, hex-hd cap (6) WASHER, flat (6)
3	657 985 C2	PISTON	14	320 741 R1	PLATE, outer locking
4	656 307 C1	POPPET (6)			
5		RING, wear (%) (2)			
6		SEAL, piston (%)			
7	657 984 C1	CAP, cylinder (w/6 screw holes) (B and C)			
7	707 156 C2	CAP, cylinder (w/6 screw holes) (B)			

(%) - Part of PACKAGE, 636 131 C91)

(+) - Not For Low Ground Pressure.

§ - Not Furnished Separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE LIFT CYLINDER — Continued 2363 and up					
15	658 508 C91	ROD ASSY., piston (A and B) (Composed of -			
		1 BEARING	321 246 R91		
		1 FITTING	109 461		
		1 PLATE	320 741		
		1 PLATE	320 742		
		§ 1 ROD			
		3 SCREW	24 866 R1)		
	109 461	FITTING, lube			
15	657 981 C91	ROD ASSY., piston (C) (Composed of -			
		1 BEARING	321 246 R91		
		1 FITTING	109 461		
		1 PLATE	320 741		
		1 PLATE	320 742		
		§ 1 ROD			
		3 SCREW	24 866 R1)		
16	321 246 R91	BEARING, rod			
	OR				
16	321 247 R91	BEARING, rod			
	OR				
16	717 719 C91	BEARING, rod			
17	320 742 R91	PLATE, inner locking			
	24 866 R1	SCREW, hex-hd cap (3)			
18	24 866 R1	SCREW, hex-hd cap (3)			
	636 131 C91	PACKAGE, cylinder seal ring (Services one cylinder) (x) (Consists of -			
		1 GASKET	656 442 C1		
		1 RING	347 914 R1		
		1 RING,back-up	629 274 C1		
		§ 2 RING,wear			
		§ 1 RING, piston seal			
		§ 1 SEAL, rod wiper			
		§ 1 SEAL, rod			)

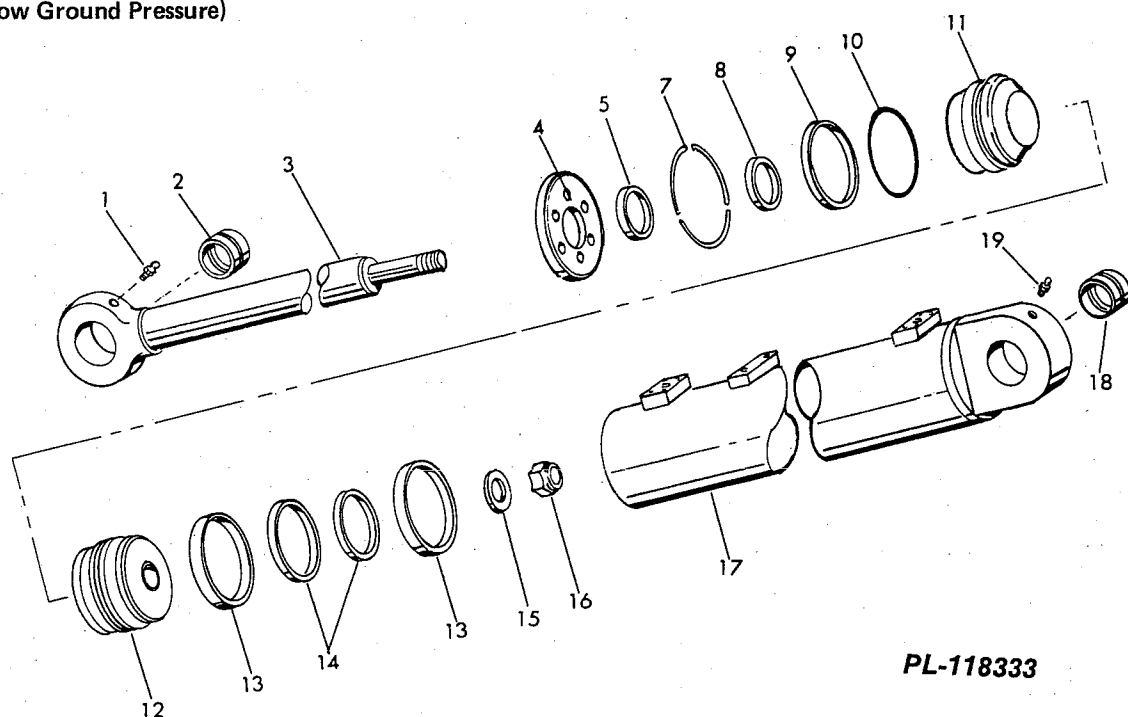
(x) - As required.

§ - Not furnished separately.

HYDRAULICS

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

RIPPER LIFT CYLINDER (Not For Low Ground Pressure)



PL-118333

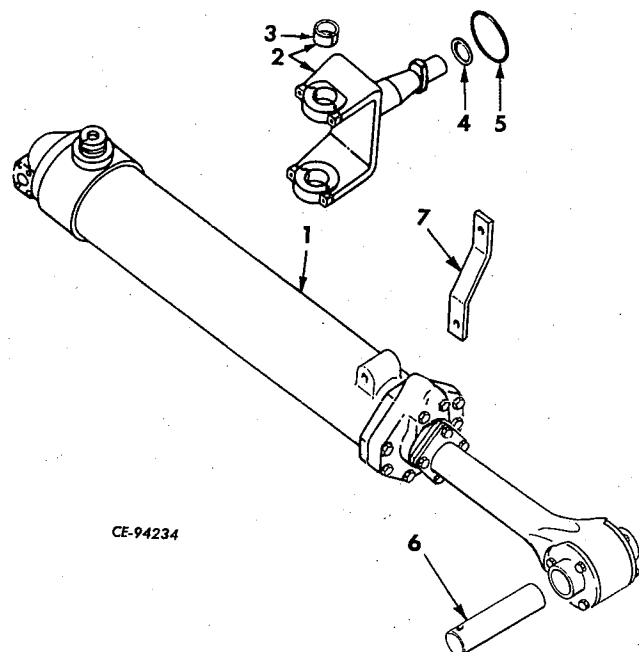
	706 812 C91	CYLINDER ASSY., ripper hydraulic lift (Consists of the following parts except Ref. Nos. 1 and 19)	13		RING, piston wear (Order PACKAGE, 636 149 C91) (2)
1	109 461	FITTING, lube (Not part of Cylinder Assembly)	14		SEAL, piston (Order PACKAGE, 636 149 C91)
2	710 158 C1	BUSHING	15	26 609 R1	WASHER, flat hardened
3	706 818 C91	ROD w/BUSHING, 710 158 C1, piston	16	20 513 R1	NUT
4	706 821 C1 27 406 R1 25 536 R1	COVER, cylinder cap SCREW, hex-hd cap (6) WASHER, hardened (6)	17	706 813 C91	TUBE w/BUSHING, 710 158 C1, cylinder
5		SEAL, rod wiper (Order PACKAGE, 636 149 C91)	18	710 158 C1	BUSHING
7	626 085 C1	SEGMENT, lock ring (3)	19	126 152	FITTING, lube (Not part of Cylinder Assembly)
8		SEAL, piston rod (Order PACKAGE, 636 149 C91)		636 149 C91	PACKAGE, cylinder seal ring (Services one cylinder) (x) (Consists of -
9	606 419 C1	RING, back-up (Also part of PACKAGE, 636 149 C91)			1 RING 343 913 R1 1 RING 606 419 C1
10	343 913 R1	RING, sealing (Also part of PACKAGE, 636 149 C91)			§ 2 RING, wear § 1 SEAL, rod wiper § 1 SEAL, piston § 1 SEAL, rod
11	706 820 C1	CAP, cylinder			
12	706 719 C1	PISTON			

§ - Not furnished separately.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION

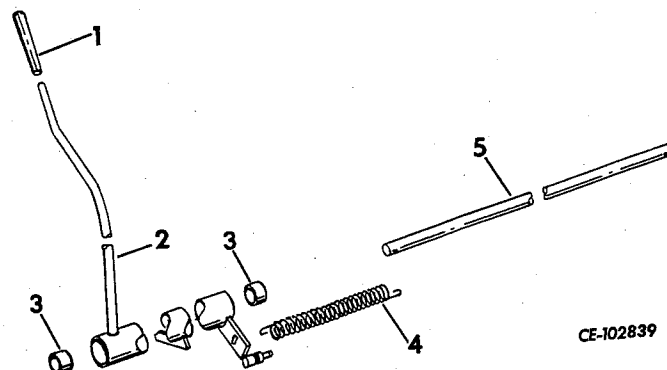
LIFT CYLINDER YOKE



1		CYLINDER ASSY., lift (Refer to "Blade Lift Cylinder") (2)
2	623 401 C93	YOKE and CAP w/two BUSHINGS, 294 684 R1 and two PIN, 19 407 R1, lift cylinder (2)
	24 875 R1	SCREW, hex-hd cap (4)
3	294 684 R1 19 407 R1	BUSHING, lift yoke and cap (4) PIN, bushing retainer (4)
4	294 799 R1	WASHER, thrust (2) (Not For Low Ground Pressure) 2953 and below
5	717 982 C1 19 910 R1 28 210 R1 22 652 R1	RING, (Replaces, 176 916 H1) cord NUT (x) SCREW, hex-hd cap (x) WASHER, flat (x)
6	320 788 R1 9 412 230 275 635 R1	PIN, cylinder mounting (2) NUT, lock (2) SCREW, hex-hd cap (2)
7	616 694 C1 9 413 983 25 900 R1	PLATE, cylinder hanger (2) (Not For Low Ground Pressure) NUT, lock (2) SCREW, hex-hd cap (2)
7	711 797 C1	BAR, cylinder hanger (2) (For Low Ground Pressure)

REF. NO.	PART NUMBER	DESCRIPTION

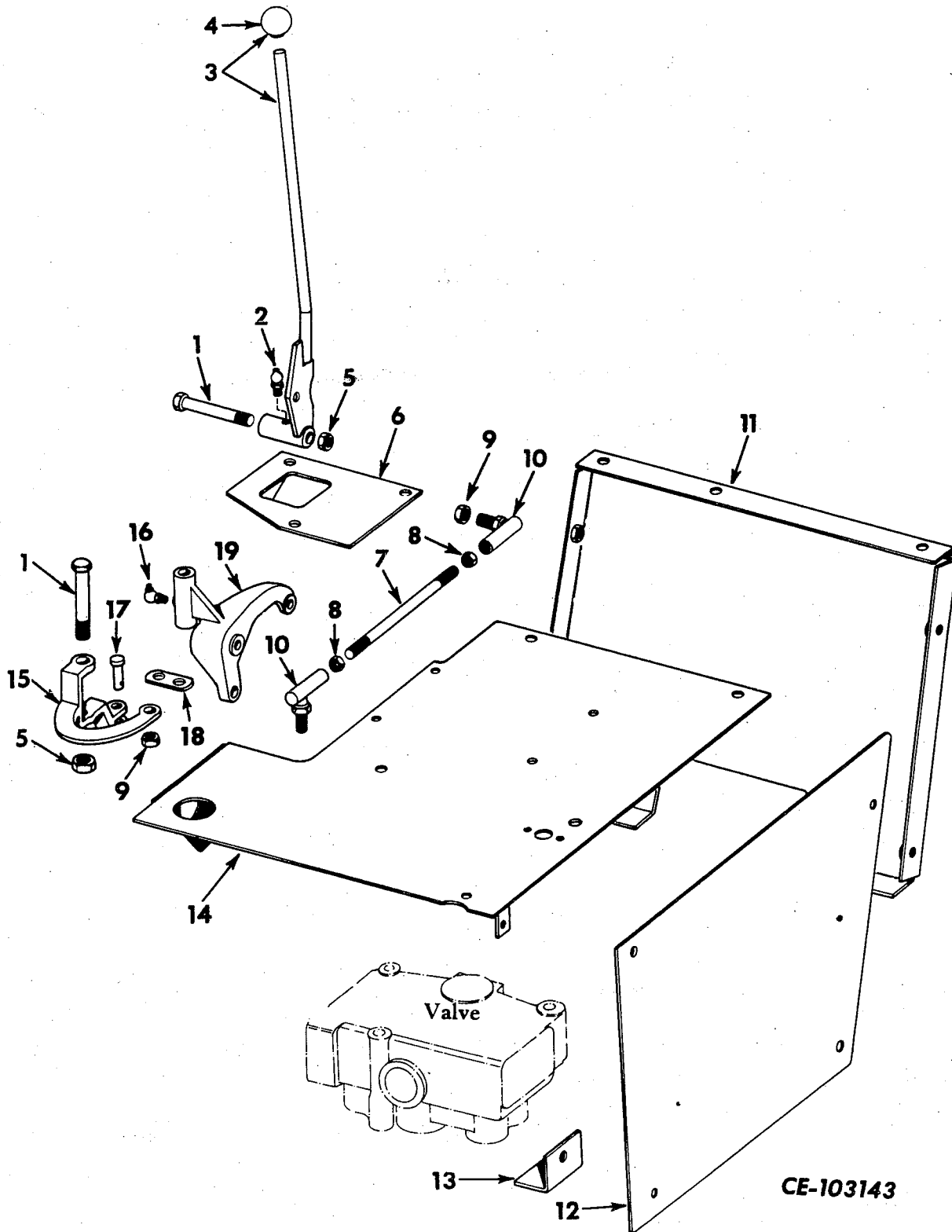
STEERING LEVERS



1	347 768 R1	HANDLE, steering lever (2)
2	651 872 C92	LEVER w/two BUSHING, 604 151 C1 and FITTING, 109 461, LH steering hand (For manual shift and power shift)
2	651 874 C92	LEVER w/two BUSHING, 604 151 C1 and FITTING, 109 461, LH steering hand (For custom application)
2	651 873 C92	LEVER w/two BUSHING, 604 151 C1 and FITTING, 109 461, RH steering hand (For manual shift and power shift)
2	651 875 C92	LEVER w/two BUSHING, 604 151 C1 and FITTING, 109 461, RH steering hand (For custom application)
3	604 151 C1	BUSHING, steering hand lever (4)
4	620 300 C1	SPRING, hand lever return (2)
5	325 193 R1 657 196 R1	SHAFT, hand lever PIN, roll
	109 461	FITTING, lub. (2)

HYDRAULICS

HYDRAULIC CONTROLS (For use with Single Spool Valve) (For Manual Shift and Power Shift)

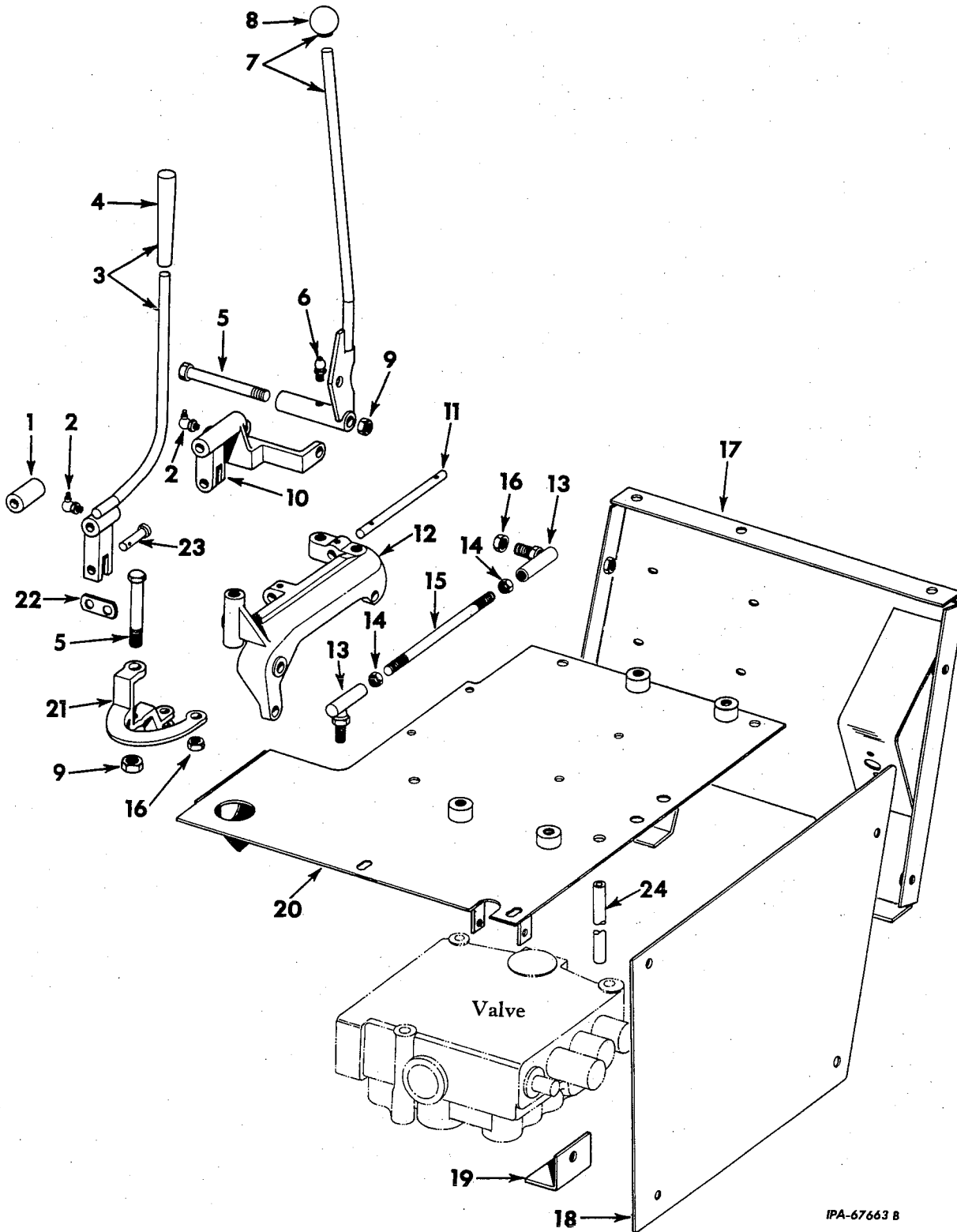


HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROLS — Continued (For use with Single Spool Valve) (For Manual Shift and Power Shift)					
1	333 795 R1	BOLT (2)	17	103 496 118 775 103 373	PIN, rod end (2) WASHER, flat (2) PIN, cotter (2)
2	126 152	FITTING, straight lubrication	18	342 490 R1	LINK, valve control (4)
3	333 057 R91	LEVER w/HANDLE, 264 097 R2, lift and tilt	19	337 461 R3 24 861 R1 116 121	BRACKET, control SCREW, hex-hd cap (3) WASHER, lock (3)
4	264 097 R2	HANDLE, lift and tilt lever			
5	9 413 957	NUT, NF stover lock (2)			
6	333 197 R91 25 526 R1 24 861 R1 116 121	BRACKET, control handle NUT (3) SCREW, hex-hd cap (3) WASHER, lock (3)			
7	337 817 R1	STUD			
8	9 413 957	NUT, NF stover lock (2)			
9	114 496	NUT, NF jam (2)			
10	702 131 R1	JOINT, ball (2)			
11	646 250 C1	BRACKET, support (For Power Shift)			
11	602 057 C11	BRACKET, support (For Manual Shift)			
	25 522 R1	NUT, 3/8" (2)			
	25 526 R1	NUT, 1/2"			
	24 861 R1	SCREW, 1/2" hex-hd cap			
	24 840 R1	SCREW, 3/8" hex-hd cap (2)			
	103 343	WASHER, 17/32" flat			
	103 341	WASHER, 13/32" flat (2)			
	115 093	WASHER, 3/8" lock (2)			
	116 121	WASHER, 1/2" lock			
12	333 071 R1 24 840 R1 115 093 615 031 R1	PLATE, side cover SCREW, hex-hd cap (4) WASHER (4) WASHER (4)			
13	333 069 R2 25 526 R1 24 861 R1 116 121	ANGLE NUT (2) SCREW, hex-hd cap (2) WASHER, lock (2)			
14	602 802 C12 25 526 R1 24 860 R1 116 121 24 839 R1 115 093 25 522 R1 24 862 R1 103 343	PLATE, mounting NUT, 1/2" (3) SCREW, 1/2 x 1" hex-hd cap WASHER, 1/2" lock (3) SCREW, 3/8" hex-hd cap (2) WASHER, 3/8" lock (2) NUT, 3/8" (2) SCREW, 1/2 x 1-1/2" hex-hd cap (2) WASHER, flat (4)			
15	337 816 R2	BELLCRANK			
16	109 462	FITTING, lubrication			

HYDRAULICS

HYDRAULIC CONTROLS (For use with Triple Spool Valve) (For Manual Shift and Power Shift)



IPA-67663 B

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC CONTROLS – Continued (For use with Triple Spool Valve) (For Manual Shift and Power Shift)			17	602 057 C11	BRACKET, support (A and B) (For Manual Shift)
				25 522 R1	NUT, 3/8" (2)
				25 526 R1	NUT, 1/2"
				24 861 R1	SCREW, 1/2 x 1-1/4" hex-hd cap
				24 840 R1	SCREW, 3/8 x 1" hex-hd cap (2)
				103 343	WASHER, 17/32" flat
				103 341	WASHER, 13/32" flat (2)
				115 093	WASHER, 3/8" lock (2)
				116 121	WASHER, 1/2" lock
A		Service parts for Hydraulic Controls (For use with Model D-2 or G-2 with ripper and with or without tilt or Model G-2 with ripper)	18	333 071 R1	PLATE, side cover (A and B)
				24 840 R1	SCREW, hex-hd cap (4)
B		Service parts for Hydraulic Controls (For use with tilt)		615 031 R1	WASHER, flat (4)
				115 093	WASHER, lock (4)
C	602 159 C91	ATTACHMENT, auxiliary control (See NOTE 3) (+)	19	333 069 R1	ANGLE (A and B)
				25 526 R1	NUT (2)
				24 861 R1	SCREW, hex-hd cap (2)
				116 121	WASHER, lock (2)
1	335 567 R1	SPACER (B)	20	602 802 C12	PLATE, mounting (A and B)
2	109 462	FITTING, lubrication (3 for A, 2 for B, 1 for C)		25 526 R1	NUT, 1/2" (4)
				24 860 R1	SCREW, 1/2 x 1" hex-hd cap (2)
3	335 556 R91	LEVER w/HANDLE, 619 405 C1, ripper (A and C)		116 121	WASHER, 1/2" lock (4)
				24 839 R1	SCREW, 3/8 x 3/4" hex-hd cap (2)
4	619 405 C1	HANDLE, ripper (A and C)		115 093	WASHER, 3/8" lock (2)
				25 522 R1	NUT, 3/8" (2)
5	333 795 R1	BOLT (2 for A and B)		24 862 R1	SCREW, 1/2 x 1-1/2" hex-hd cap (2)
6	126 152	FITTING, 1/8" straight lubrication (A and B)		103 343	WASHER, flat (4)
7	333 057 R91	LEVER w/HANDLE, 264 097 R2, lift and tilt (A and B)	21	337 816 R2	BELLCRANK (A and B)
8	264 097 R2	HANDLE, lift and tilt lever (A and B)	22	342 490 R1	LINK, control valve (12 for A, 8 for B, 4 for C)
9	9 413 957	NUT, NF stover lock (2 for A and B)	23	103 496	PIN, rod end (6 for A, 4 for B, 2 for C)
				103 373	PIN, cotter (6 for A, 4 for B, 2 for C)
10	337 815 R2	ARM, control (Lift and tilt) (A and B)		118 775	WASHER, flat (3 for A, 2 for B, 1 for C)
11	333 053 R1	SHAFT, main control (A and B)	24		BAR (Not used)
12	337 814 R3	BRACKET, control (A and B)		333 800 R1	BOLT (2)
	318 625 R1	BOLT, 1/2"NF x 2-1/4" (2)			
	114 496	NUT, NF jam (2)			
	24 861 R1	SCREW, 1/2 x 1-1/4" hex-hd cap (3)			
	116 121	WASHER, lock (3)			
13	702 131 C1	JOINT, ball (2 for A and B)			
14	114 496	NUT, NF jam (2 for A and B)			
15	337 817 R1	STUD (A and B)			
16	9 413 957	NUT, NF stover lock (2 for A and B)			
17	646 250 C1	BRACKET, support (A and B) (For Power Shift)			

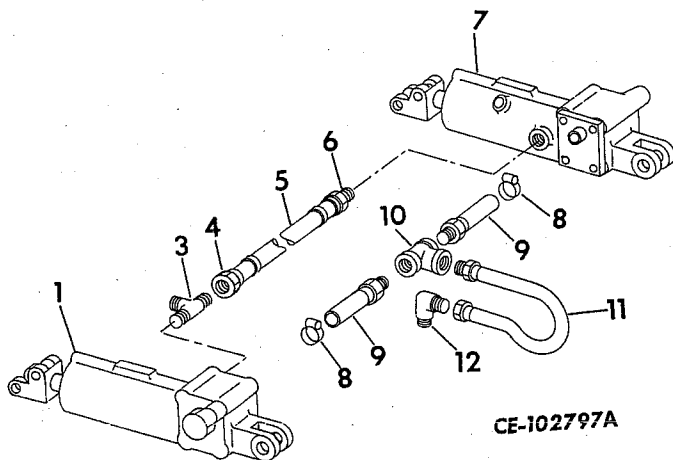
NOTE 3 - Field Application - Order through
Regular Parts Channels.

(+) - Not For Low Ground Pressure.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION

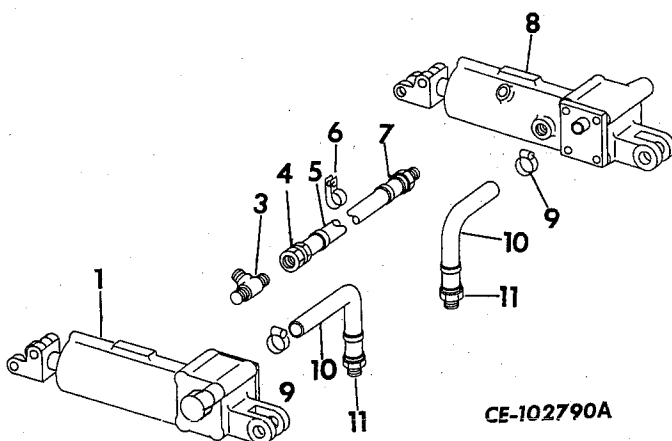
STEERING PIPING (For Manual Shift and Custom Application)



1		VALVE, LH hydraulic steering booster (Refer to "Hydraulic Steering Booster and Related Parts")
3	9 403 098	TEE, booster valve inlet
4		FITTING, hose (Order HOSE, 610 850 C91)
5	610 850 C91	HOSE w/FITTING, booster valve to booster valve (HOSE, 3/4" ID x 11-1/4" long including FITTINGS)
6		FITTING, hose (Order HOSE, 610 850 C91)
7		VALVE, RH hydraulic steering booster (Refer to "Hydraulic Steering Booster and Related Parts")
8	279 025 R91	CLAMP, valve drain hose (2)
9	606 175 C91	HOSE, valve drain (2)
10	144 083	TEE, pipe (Booster valve drain)
11	606 858 C91	HOSE, drain tee to rear frame
12	9 402 864	ELBOW, rear frame inlet
	341 985 R1	CLAMP, filter to valve hose (On planetary inspection cover bolt)

REF. NO.	PART NUMBER	DESCRIPTION

STEERING PIPING (For Power Shift)



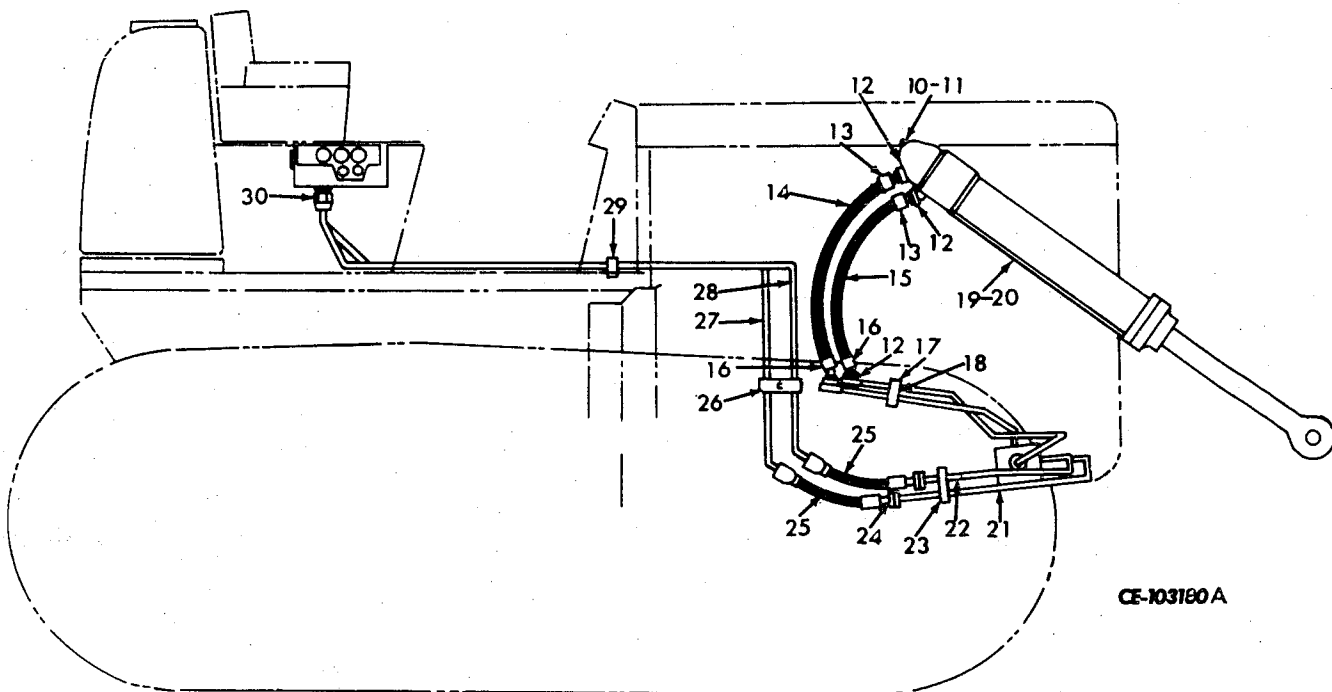
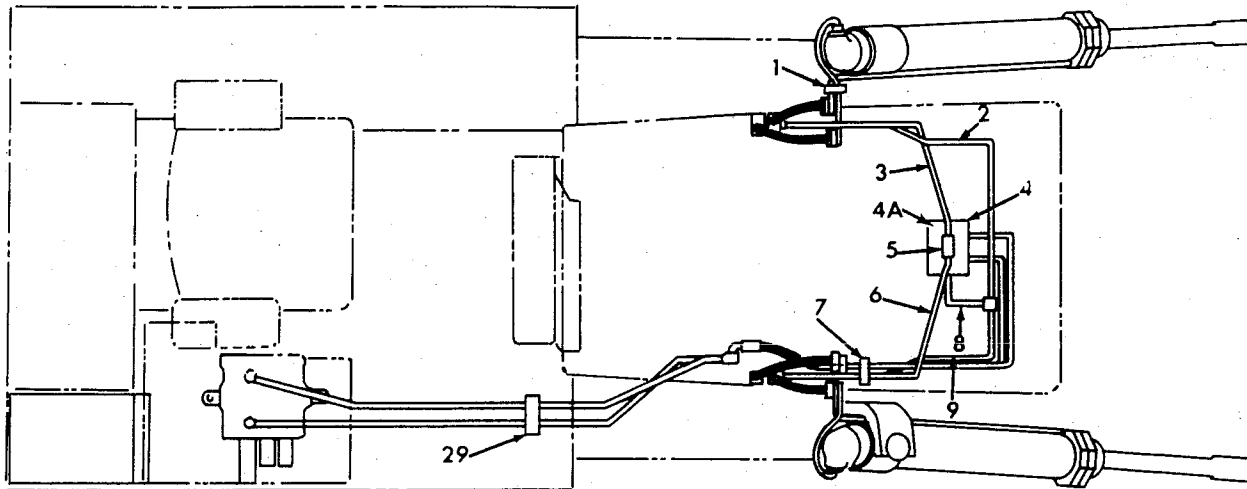
1		VALVE, LH hydraulic steering (Refer to "Hydraulic Steering Booster and Related Parts")
3	9 403 098	TEE, booster valve inlet
4		FITTING, hose (Order HOSE, 610 850 C91)
5	610 850 C91	HOSE w/FITTING, booster valve to booster valve (HOSE, 3/4" ID x 11-1/4" long including FITTINGS)
6	308 581 R1	CLAMP, booster valve hose (2)
7		FITTING, hose (Order HOSE, 610 850 C91)
8		VALVE, RH hydraulic steering booster (For components, see list of parts under details of "Hydraulic Steering Booster and Related Parts")
9	279 025 R91	CLAMP, valve drain hose (2)
10	338 918 R91	HOSE w/FITTING, valve drain (HOSE, 3/8" ID x 7-1/4" long including FITTING) (2)
11		FITTING, hose (Order HOSE, 338 918 R91) (2)
	341 985 R1	CLAMP, filter to valve hose (On planetary inspection cover bolt)

HYDRAULICS

MEMORANDA

HYDRAULICS

BLADE EQUIPMENT TUBING AND HOSES — VALVE TO CYLINDERS (Manual Shift)



HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT TUBING AND HOSES – Continued					
VALVE TO CYLINDERS					
(Manual Shift)					
1	608 354 C1 24 840 R1 115 093 25 522 R1	CLAMP, tube (4) SCREW, hex-hd cap (2) WASHER, lock (2) NUT (2)	11	632 334 C91 140 483 H 24 621 R1 115 093	TUBE, RH head (Bullgrader) (*) 2363 and up SCREW, 1-1/4" long hex-hd cap (2) SCREW, 2-1/4" long hex-hd cap (2) WASHER, lock (4)
2	645 788 C1 140 483 H 115 093 343 906 R1	TUBE, LH rod SCREW, hex-hd cap (4) WASHER, lock (4) "O" RING, 1-5/16 x 1-9/16 x 1/8" (2)	12	283 172 R1 140 483 H 115 093 343 906 R1	FLANGE, half, split (16) SCREW, hex-hd cap (32) WASHER, lock (32) "O" RING, 1-5/16 x 1-9/16 x 1/8"
3	645 790 C1	TUBE, LH head	13		FITTING, hose (Not furnished separately)
4		VALVE ASSY., quick drop (Refer to "Blade Equipment Quick Drop Valve")		380 794 R1	"O" RING, 1 x 1-1/4 x 1/8" (4)
4A	9 410 363 296 247 R1	PLUG "O" RING (.301 x .429 x .064")	14	619 624 C1	HOSE w/FITTING, long (HOSE, 3/4" ID x 30-1/2" long including FITTINGS) (2)
5	9 411 122 296 247 R1	TEE "O" RING (.301 x .429 x .064")	15	619 622 C1	HOSE w/FITTING, short (HOSE, 3/4" ID x 25" long including FITTINGS) (2)
6	645 791 C1	TUBE, RH head	16		FITTING, hose (Not furnished separately)
7	646 015 C1 24 860 R1 116 121 118 777	ANGLE, tube mounting SCREW, hex-hd cap WASHER, lock WASHER, flat		380 794 R1	"O" RING, 1 x 1-1/4 x 1/8" (4)
8	645 783 C1 24 862 R1 116 121 343 921 R1	TUBE; tee SCREW, hex-hd cap (4) WASHER, lock (4) "O" RING, 1-7/8 x 2-1/8 x 1/8"	17	608 359 C1 315 972 R1 24 841 R1 608 361 C1 24 843 R1 115 093 118 775 25 522 R1	BRACKET, LH lift tube SPACER SCREW, 1-1/2" hex-hd cap (2) CLAMP SCREW, 2" hex-hd cap WASHER, lock (3) WASHER, flat (3) NUT
9	645 789 C1 140 483 H 115 093	TUBE, RH rod SCREW, hex-hd cap (4) WASHER, lock (4)	18	608 360 C1 315 972 R1 24 841 R1 608 361 C1 24 843 R1 115 093 118 775 25 522 R1	BRACKET, RH lift tube SPACER (2) SCREW, 1-1/2" hex-hd cap (2) CLAMP SCREW, 2" hex-hd cap WASHER, lock (3) WASHER, flat (3) NUT
10	608 372 C91	TUBE, LH head (Bulldozer) (+) 2362 and below	19	701 667 C1	TUBE, LH rod (Bulldozer) (+) 2362 and below
10	608 352 C91 140 483 H 115 093	TUBE, LH head (Bullgrader) (+) 2362 and below SCREW, hex-hd cap (4) WASHER, lock (4)	19	623 160 C1 25 500 R1 115 093 368 269 R1 608 350 C1 608 351 C1 24 840 R1 574 018 R1	TUBE, LH rod (Bullgrader) (+) 2362 and below SCREW, 3-1/4" hex-hd cap (+) (2) WASHER, lock (+) (4) "O" RING CLAMP, inner tube CLAMP, outer tube SCREW, hex-hd cap (2) CONNECTOR (*)
10	662 300 C91	TUBE, LH head (Bulldozer) (*) 2363 and up			
10	632 333 C91 140 483 H 24 621 R1 115 093	TUBE, LH head (Bullgrader) (*) 2363 and up SCREW, 1-1/4" long hex-hd cap (2) SCREW, 2-1/4" long hex-hd cap (2) WASHER, lock (4)			
11	608 373 C91	TUBE, RH head (Bulldozer) (+) 2362 and below			
11	608 353 C91 140 483 H 115 093	TUBE, RH head (Bullgrader) (+) 2362 and below SCREW, hex-hd cap (4) WASHER, lock (4)			
11	662 301 C91	TUBE, RH head (Bulldozer) (*) 2363 and up			

(*) - Used with Lift Cylinder, 658 501 C91.
(+) - Used with Lift Cylinder, 704 018 C91.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT TUBING AND HOSES – Continued					
VALVE TO CYLINDERS					
(Manual Shift)					
19	662 298 C91	TUBE, LH rod (Bulldozer) (*) 2363 and up	29	333 506 R1	CLAMP, tube
				25 526 R1	NUT
19	632 335 C91	TUBE, LH rod (Bullgrader) (*) 2363 and up		275 635 R1	SCREW, hex-hd cap
				342 314 R1	SPACER
				116 121	WASHER, lock
20	701 668 C1	TUBE, RH rod (Bulldozer) (+) 2362 and below	30	9 410 207	CONNECTOR, straight (2)
				296 247 R1	"O" RING, .301 x .429 x .064" connector (2)
20	623 161 C1	TUBE, RH rod (Bullgrader) (+) 2362 and below			
	25 500 R1	SCREW, 3-1/4" hex-hd cap (+) (2)			
	115 093	WASHER, lock (+) (4)			
	368 269 R1	"O" RING			
	608 350 C1	CLAMP, inner tube			
	608 351 C1	CLAMP, outer tube			
	24 840 R1	SCREW, hex-hd cap (2)			
	574 018 R1	CONNECTOR (*)			
20	662 299 C91	TUBE, RH rod (Bulldozer) (*) 2363 and up			
20	632 336 C91	TUBE, RH (Bullgrader) (*) 2363 and up			
21	645 785 C1	TUBE			
	24 850 R1	SCREW, hex-hd cap (4)			
	115 314	WASHER, lock			
	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"			
22	645 784 C1	TUBE			
	24 850 R1	SCREW, hex-hd cap (4)			
	115 314	WASHER, lock (4)			
	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"			
23	645 793 C1	CLAMP, tube			
	25 526 R1	NUT			
	24 866 R1	SCREW, hex-hd cap			
24	877 949 C2	FLANGE HALF, split (8)			
	140 483 H	SCREW, hex-hd cap (16)			
	105 093	WASHER, lock (16)			
25	646 238 C1	HOSE w/FITTING (HOSE, 1"ID x 20" long including FITTINGS) (2)			
	343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (4)			
26	645 793 C1	CLAMP			
	645 794 C1	PLATE, spacer (2)			
	25 285 R1	SCREW, hex-hd cap			
	266 964 R1	SPACER			
	116 121	WASHER, lock			
27	645 786 C91	TUBE, inboard (At valve)			
28	645 787 C91	TUBE, outboard (At valve)			

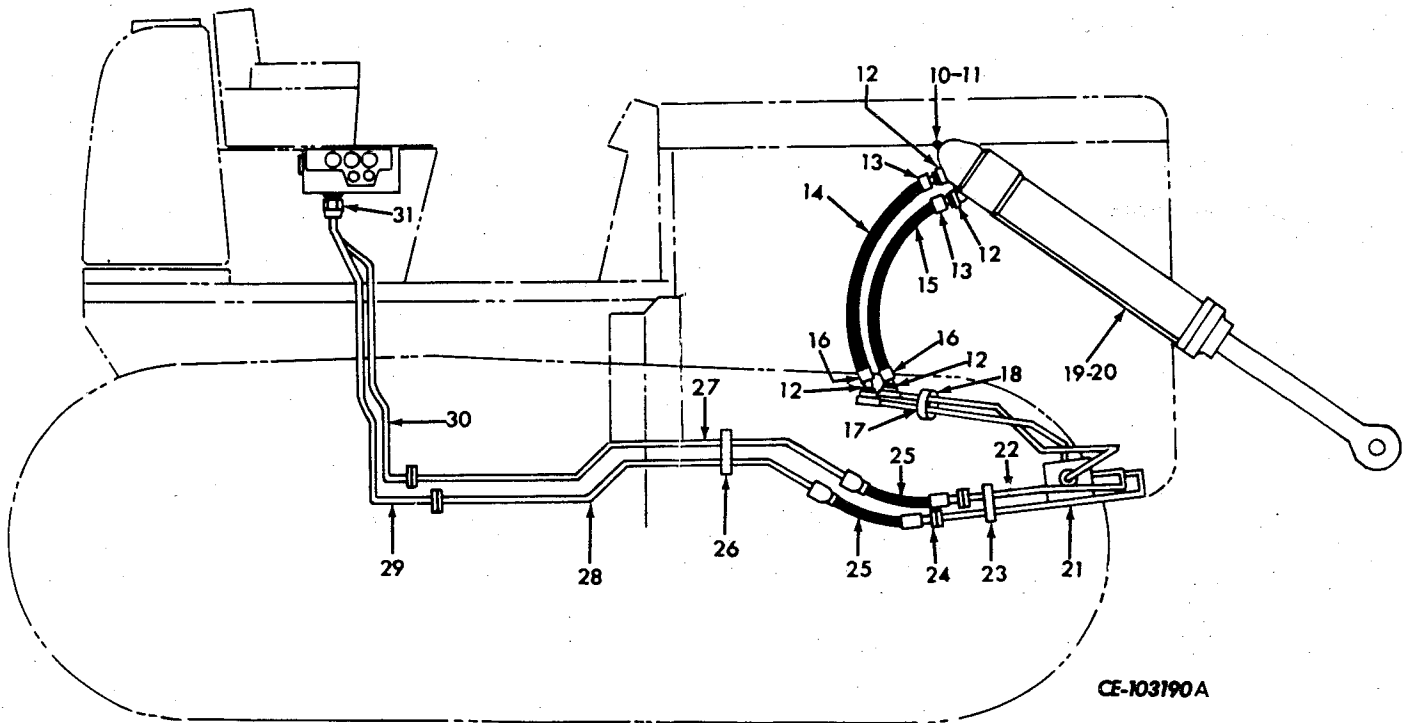
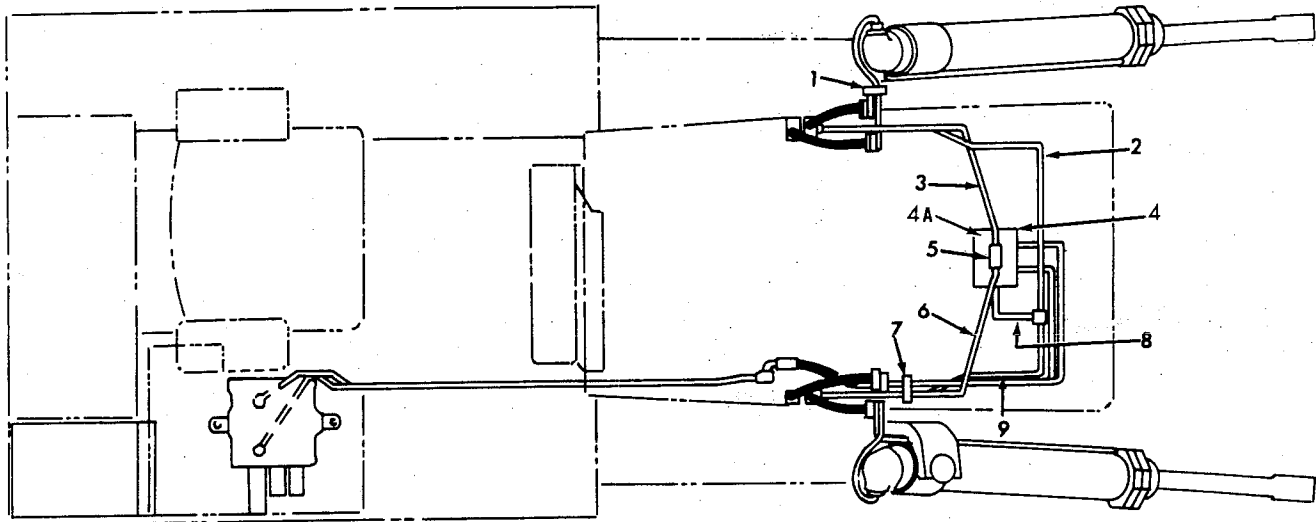
(*) - Used with Lift Cylinder, 658 501 C91.
(+) - Used with Lift Cylinder, 704 018 C91.

HYDRAULICS

MEMORANDA

HYDRAULICS

BLADE EQUIPMENT TUBING AND HOSES – VALVE TO CYLINDERS (Power Shift) % and below (Not For Low Ground Pressure)



CE-103190A

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT TUBING AND HOSES – Continued					
VALVE TO CYLINDERS					
(Power Shift) % and below					
(Not For Low Ground Pressure)					
1	608 354 C1 24 840 R1 115 093 25 522 R1	CLAMP, tube (4) SCREW, hex-hd cap (2) WASHER, lock (2) NUT (2)	11	662 301 C91	TUBE, RH head (Bulldozer) (*) 2363 to %
2	645 788 C1 140 483 H 115 093 343 906 R1	TUBE, LH rod SCREW, hex-hd cap (4) WASHER, lock (4) "O" RING, 1-3/16 x 1-9/16 x 1/8" (2)	11	632 334 C91 140 483 H 24 621 R1 115 093	TUBE, RH head (Bullgrader) (*) 2363 to % SCREW, 1-1/4" long hex-hd cap (2) SCREW, 2-1/4" long hex-hd cap (2) WASHER, lock (4)
3	645 790 C1	TUBE, LH head	12	283 172 R1 140 483 H 115 093 343 906 R1	FLANGE, half, split (16) SCREW, hex-hd cap (32) WASHER, lock (32) "O" RING, 1-5/16 x 1-9/16 x 1/8"
4		VALVE ASSY., quick drop (Refer to "Blade Equipment Quick Drop Valve")	13		FITTING, hose (Not furnished separately) (4)
4A	9 410 363 296 247 R1	PLUG "O" RING (.301 x .429 x .064")		380 794 R1	"O" RING, 1 x 1-1/4 x 1/8" (4)
5	9 411 122 296 247 R1	TEE "O" RING (.301 x .429 x .064")	14	619 624 C1	HOSE w/FITTING, long (HOSE, 3/4" ID x 30-1/2" long including FITTINGS) (2)
6	645 791 C1	TUBE, RH head	15	619 622 C1	HOSE w/FITTING, short (HOSE, 3/4" ID x 25" long including FITTINGS) (2)
7	646 015 C1 24 860 R1 116 121 118 777	ANGLE, tube mounting SCREW, hex-hd cap WASHER, lock WASHER, flat	16		FITTING, hose (Not furnished separately) (4)
8	645 783 C1 24 862 R1 116 121 343 921 R1	TUBE, tee SCREW, hex-hd cap (4) WASHER, lock (4) "O" RING, 1-7/8 x 2-1/8 x 1/8"		380 794 R1	"O" RING, 1 x 1-1/4 x 1/8" (4)
9	645 789 C1 140 483 H 115 093	TUBE, RH rod SCREW, hex-hd cap (4) WASHER, lock (4)	17	608 359 C1 315 972 R1 24 841 R1 608 361 C1 24 843 R1 115 093 118 775 25 522 R1	BRACKET, LH lift tube SPACER SCREW, 1-1/2" hex-hd cap (2) CLAMP SCREW, 2" hex-hd cap WASHER, lock (3) WASHER, flat (3) NUT
10	608 372 C91	TUBE, LH head (Bulldozer) (+) 2362 and below	18	608 360 C1 315 972 R1 24 841 R1 608 361 C1 24 843 R1 115 093 118 775 25 522 R1	BRACKET, RH lift tube SPACER (2) SCREW, 1-1/2" hex-hd cap (2) CLAMP SCREW, 2" hex-hd cap WASHER, lock (3) WASHER, flat (3) NUT
10	608 352 C91 140 483 H 115 093	TUBE, LH head (Bullgrader) (+) 2362 and below SCREW, hex-hd cap (4) WASHER, lock (4)	19	701 667 C1	TUBE, LH rod (Bulldozer) (+) 2362 and below
10	662 300 C91	TUBE, LH head (Bulldozer) (*) 2363 to %			
10	632 333 C91 140 483 H 24 621 R1 115 093	TUBE, LH head (Bullgrader) (*) 2363 to % SCREW, 1-1/4" long hex-hd cap (2) SCREW, 2-1/4" long hex-hd cap (2) WASHER, lock (4)			
11	608 373 C91	TUBE, RH head (Bulldozer) (+) 2362 and below			
11	608 353 C91 140 483 H 115 093 343 906 R1	TUBE, RH head (Bullgrader) (+) 2362 and below SCREW, hex-hd cap (4) WASHER, lock (4) "O" RING, 1-5/16 x 1-9/16 x 1/8"			

% - Unavailable Serial Number.

(*) - Used with Lift Cylinder, 658 501 C91.

(+) - Used with Lift Cylinder, 704 018 C91.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT TUBING AND HOSES – Continued					
VALVE TO CYLINDERS					
(Power Shift) % and below					
(Not For Low Ground Pressure)					
19	623 160 C1	TUBE, LH rod (Bullgrader) (+) 2362 and below	27	645 795 C1	TUBE, top
	25 500 R1	SCREW, 3-1/4" hex-hd cap (+) (2)		140 483 H	SCREW, hex-hd cap (4)
	115 093	WASHER, lock (+) (4)		115 093	WASHER, lock (4)
	343 905 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"		343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"
	608 350 C1	CLAMP, inner tube	28	645 796 C1	TUBE, bottom
	608 351 C1	CLAMP, outer tube		140 483 H	SCREW, hex-hd cap (4)
	24 840 R1	SCREW, 1" hex-hd cap (2)		115 093	WASHER, lock (4)
19	662 298 C91	TUBE, LH rod (Bulldozer) (*) 2363 to %		343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8"
19	632 335 C91	TUBE, LH rod (Bullgrader) (*) 2363 to %	29	611 676 C91	TUBE, inboard (At valve)
20	701 668 C1	TUBE, RH rod (Bulldozer) (+) 2362 and below	30	611 677 C91	TUBE, outboard (At valve)
20	623 161 C1	TUBE, RH rod (Bullgrader) (+) 2362 and below	31	9 410 207	CONNECTOR, straight (2)
	25 500 R1	SCREW, 3-1/4" hex-hd cap (+) (2)		296 247 R1	"O" RING (.301 x .429 x .064" connector (2)
	115 093	WASHER, lock (+) (4)			
	343 905 R1	"O" RING, 1-1/8 x 1-3/8 x 1/8"			
	608 350 C1	CLAMP, inner tube			
	608 351 C1	CLAMP, outer tube			
	24 840 R1	SCREW, 1" hex-hd cap (2)			
20	662 299 C91	TUBE, RH rod (Bulldozer) (*) 2363 to %			
20	632 336 C91	TUBE, RH rod (Bullgrader) (*) 2363 to %			
21	645 785 C1	TUBE			
	24 850 R1	SCREW, hex-hd cap (4)			
	115 314	WASHER, lock			
	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"			
22	645 784 C1	TUBE			
	24 850 R1	SCREW, hex-hd cap (4)			
	115 314	WASHER, lock (4)			
	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"			
23	645 793 C1	CLAMP, tube			
	25 526 R1	NUT			
	24 866 R1	SCREW, hex-hd cap			
24	877 949 C2	FLANGE HALF, split (8)			
	140 483 H	SCREW, hex-hd cap (16)			
	105 093	WASHER, lock (16)			
25	646 238 C1	HOSE w/FITTING (HOSE, 1" ID x 20" long including FITTINGS) (2)			
	343 906 R1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (4)			
26	605 609 C1	CLAMP, tube (2)			
	266 964 R1	SPACER (2)			
	24 843 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			

% - Unavailable Serial Number

(*) - Used with Lift Cylinder, 658 501 C91.

(+) - Used with Lift Cylinder, 704 018 C91.

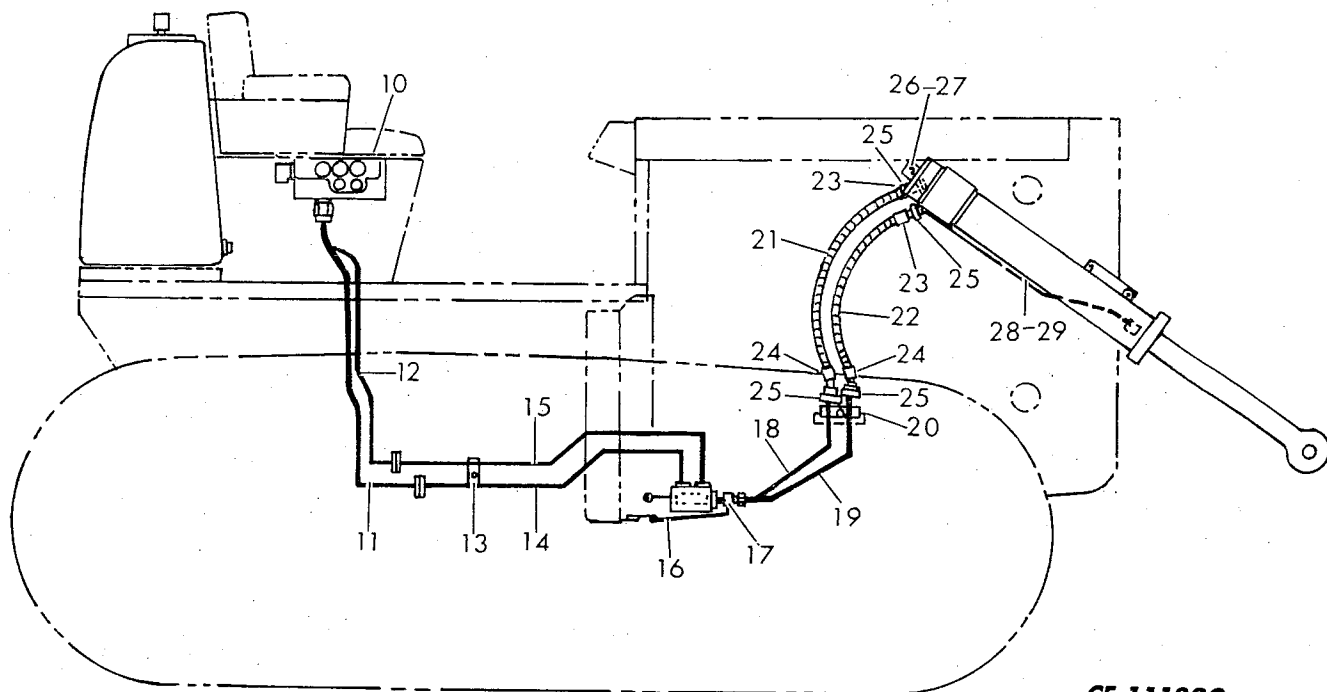
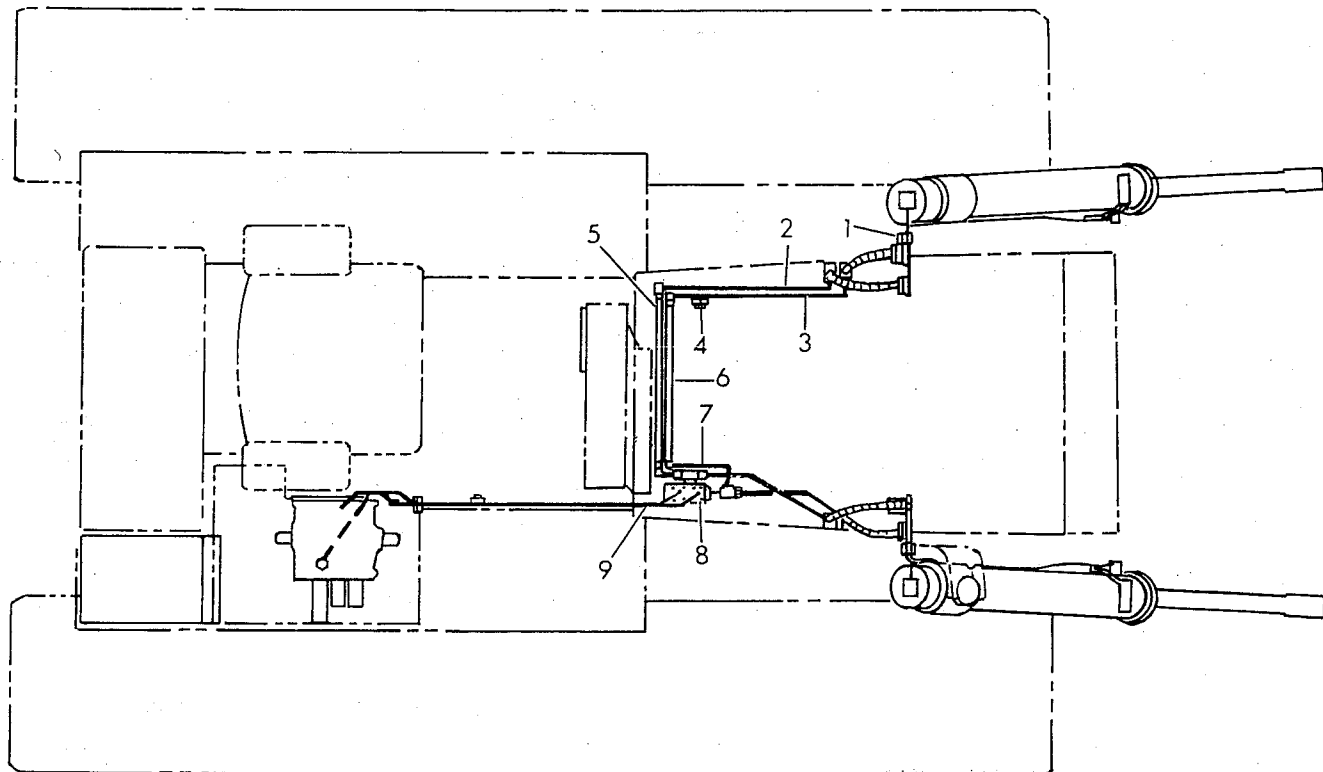
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HYDRAULICS

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

BLADE EQUIPMENT TUBING AND HOSES –
VALVE TO CYLINDERS
(Power Shift) % and Up
(Not For Low Ground Pressure)



CE-111332

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT TUBING AND HOSES — Continued					
VALVE TO CYLINDERS					
(Power Shift) % and Up					
(Not For Low Ground Pressure)					
1	608 354 C1 24 840 R1 115 093 25 522 R1	CLAMP, tube (4) SCREW, hex-hd cap (2) WASHER, lock (2) NUT (2)	16	705 627 C1 24 840 R1 118 775 25 522 R1	TUBE, rod crossover SCREW, hex-hd cap WASHER, flat NUT
2	705 625 C1	GUBE, head end LH	17	705 622 C1 24 862 R1 116 121 343 921 R1	TUBE, quick drop valve SCREW, hex-hd cap (4) WASHER, lock (4) "O" RING
3	705 626 C1	TUBE, rod end LH	18	705 628 C1	TUBE, head end- RH
4	605 609 C1 24 842 R1	CLAMP, tube SCREW, hex-hd cap	19	705 629 C1	TUBE, rod end - RH
5	705 683 C1	HOSE, head crossover	20	605 605 C2 705 638 C1 24 621 R1 25 522 R1 118 775	CLAMP, tube (2) SPACER, tube (2) SCREW, hex-hd cap (2) NUT (2) WASHER, flat (4)
6	705 682 C1	HOSE, rod crossover	21	619 624 C1	HOSE, w/FITTING, long (HOSE, 3/4" ID x 30-1/2" long including FITTINGS) (2)
7	9 411 122 296 247 R1	TEE "O" RING (.301 x .429 x .064")	22	619 622 C1	HOSE, w/FITTING, short (HOSE, 3/4" ID x 25" long including FITTINGS) (2)
8		VALVE ASSY., quick drop (Refer to "Blade Equipment Quick Drop Valve")	23		FITTING, hose (Not furnished separately) (2) "O" RING, (1 x 1-1/4 x 1/8")(4)
9	9 410 363 296 247 R1	PLUG "O" RING, (.301 x .429 x .064")	24		FITTING, hose (Not furnished separately) (2) "O" RING, (1 x 1-1/4 x 1/8")(4)
10	9 410 207 R1 296 247 R1	CONNECTOR, straight (2) "O" RING (.031 x .429 x .064")	25	283 172 R1 140 483 H 115 093 343 906	FLANGE, half, split (16) SCREW, hex-hd cap (32) WASHER, lock (32) "O" RING, (1-5/16 x 1-9/16 x 1/8") (2)
11	611 676 C91	TUBE-INBOARD (At Valve)	26	632 333 C91	TUBE, LH Head (Bullgrader)
12	611 677 C91	TUBE-OUTBOARD (At Valve)	26	662 300 C91 140 483 H 115 093 24 861 R1	TUBE, LH head (Bulldozer) SCREW, 1-1/4" long hex-hd cap (2) WASHER, lock (4) SCREW, 2-1/4" long hex-hd cap (2)
13	605 609 C1 266 964 R1 24 843 R1 115 093	CLAMP, tube SPACER SCREW, hex-hd cap WASHER, lock	27	632 334 C91	TUBE, RH head (Bullgrader)
14	705 624 C1 140 483 H 24 850 R1 115 093 115 314 343 906 343 909	TUBE-LOWER SCREW, 3/8" dia. hex-hd cap (4) SCREW, 7/16" dia. hex-hd cap (4) WASHER, 3/8" lock (4) WASHER, 7/16" lock (4) "O" RING, (1-5/16 x 1-9/16 x 1/8") "O" RING, (1-1/2 x 1-3/4 x 1/8")	27	662 301 C91 140 483 H 115 093 24 621 R1	TUBE, RH head (Bulldozer) SCREW, 1-1/4" long hex-hd cap (2) WASHER, lock (4) SCREW, 2-1/4" long hex-hd cap (2)
15	705 623 C1 140 483 H 24 850 R1 115 093 115 314 343 906 343 909	TUBE-RAISE SCREW, 3/8" dia. hex-hd cap (4) SCREW, 7/16" dia. hex hd cap (4) WASHER, 3/8" lock (4) WASHER, 7/16" lock (4) "O" RING, (1-5/16 x 1-9/16 x 1/8") "O" RING, (1-1/2 x 1-3/4 x 1/8")			

% - Unavailable Serial Number

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT TUBING AND HOSES -- Continued					
VALVE TO CYLINDERS					
(Power Shift) % and Up					
(Not For Low Ground Pressure)					
28	632 335 C91	TUBE, LH rod (Bullgrader)			
28	662 298 C91	TUBE, LH rod (Bulldozer)			
	140 483 H	SCREW, 1-1/4" long hex-hd cap (2)			
	24 621 R1	SCREW, 2-1/4" long hex-hd cap (2)			
	115 093	WASHER, lock (4)			
	343 905 R1	"O" RING, (1-1/8 x 1-3/8 x 1/8")			
29	632 336 C91	TUBE, RH rod (Bullgrader)			
29	662 299 C91	TUBE, RH rod (Bulldozer)			
	140 483 H	SCREW, 1-1/4" long hex-hd cap (2)			
	24 621 R1	SCREW, 2-1/4" long hex-hd cap (2)			
	115 093	WASHER, lock (4)			
	343 905 R1	"O" RING, (1-1/8 x 1-3/8 x 1/8")			
	608 350 C1	CLAMP, rod inner tube (2)			
	608 351 C1	CLAMP, rod outer tube (2)			
	24 840 R1	SCREW, hex-hd cap (4)			
	115 093	WASHER, lock (4)			

% - Unavailable Serial Number.

HYDRAULICS

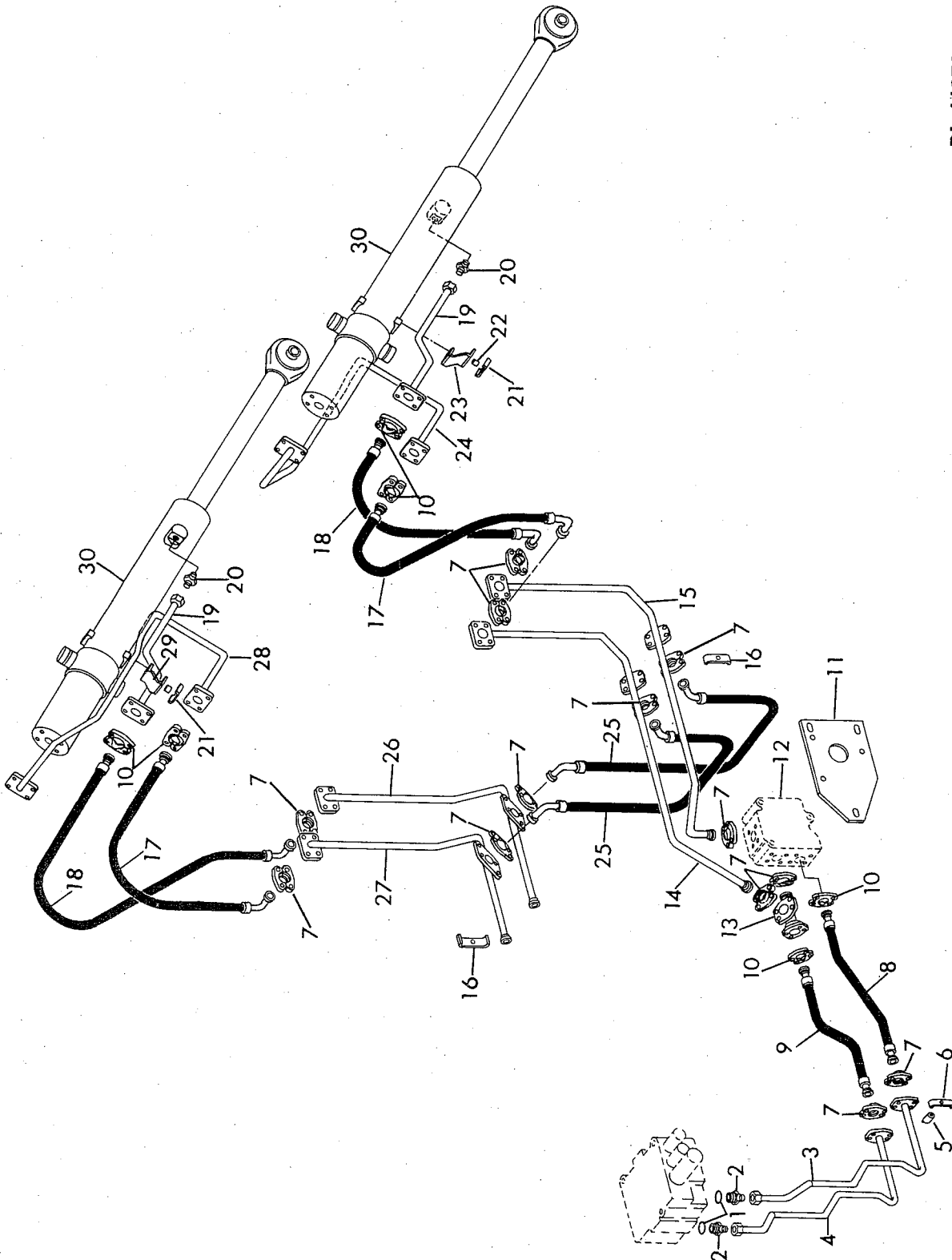
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HYDRAULICS

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

BLADE EQUIPMENT TUBING AND HOSES
VALVE TO CYLINDER
(For Low Ground Pressure)

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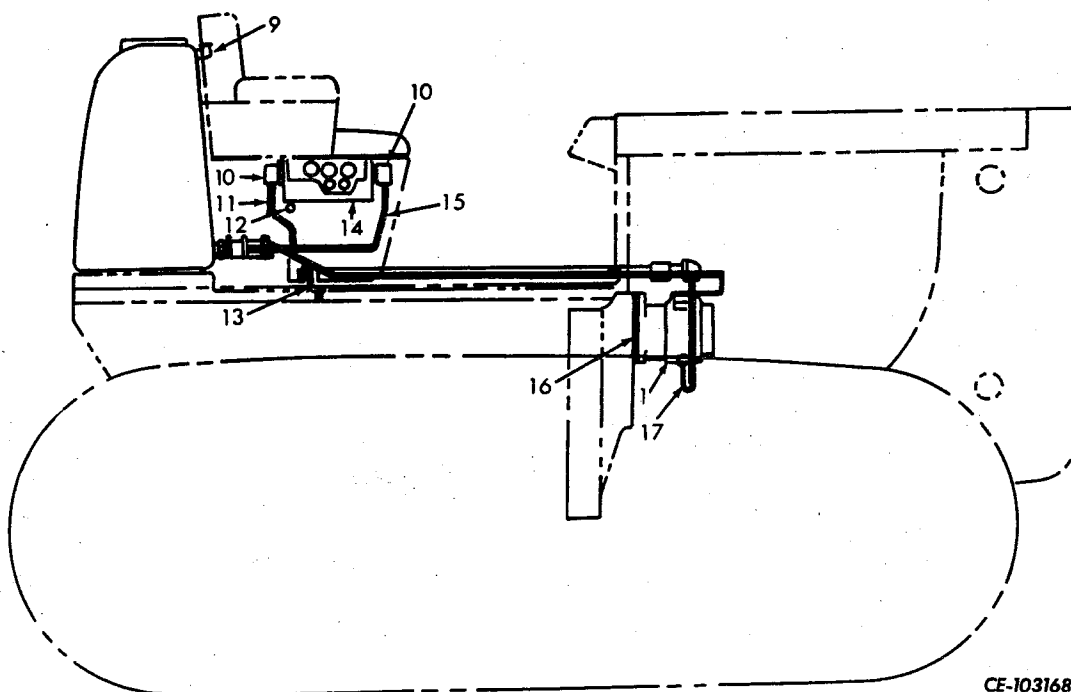
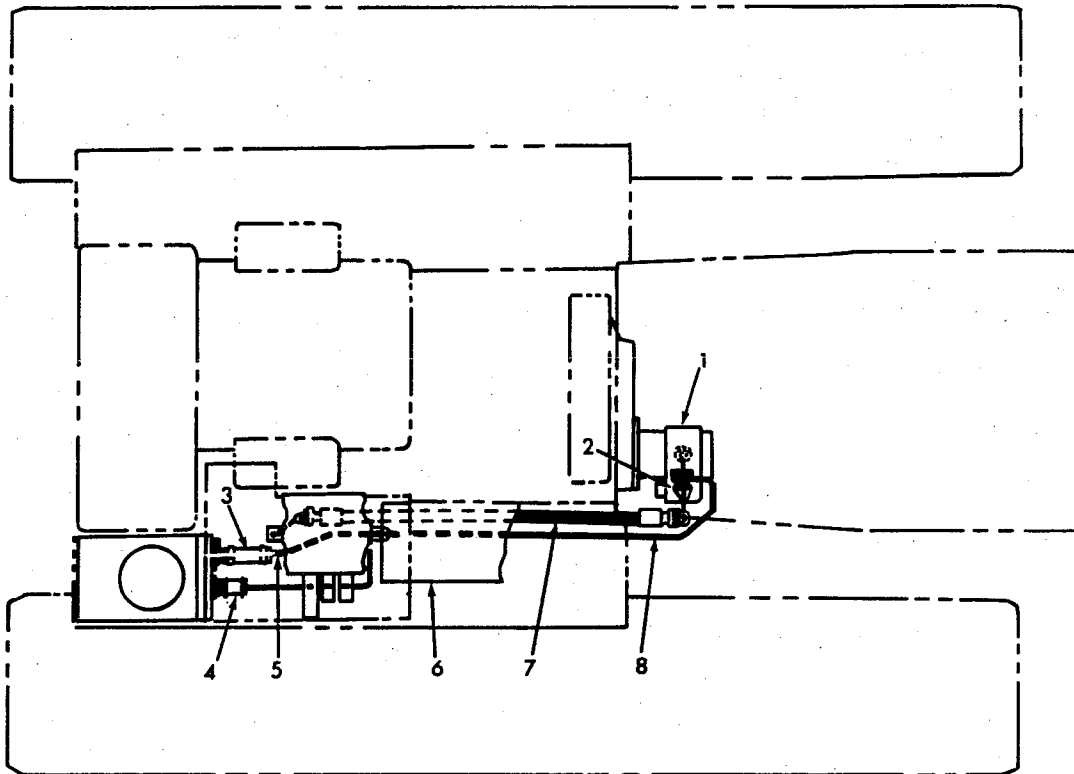


HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT TUBING AND HOSES			17	711 697 C1	HOSE w/FITTINGS (1" ID x 40" long including FITTINGS) head end to cylinder (2)
VALVE TO CYLINDER — Continued				343 909 R1	RING, sealing (2)
(For Low Ground Pressure)			18	711 696 C1	HOSE w/FITTINGS (1" ID x 38" long including FITTINGS) rod end to cylinder (2)
1	296 247 R1	RING, seal (2)		343 909 R1	RING, sealing (2)
2	9 410 207	ADAPTER, fitting (2)	19	711 711 C1	TUBE, cylinder rod end (2)
3	611 676 C91	TUBE, rod end at control valve	20	574 018 R1	CONNECTOR, reducer (2)
4	611 677 C91	TUBE, head end at control valve		368 269 R1	RING, sealing (2)
5	266 964 R1	SPACER	21	605 605 C2	CLAMP (2)
6	618 094 C1	CLAMP		25 235 R1	BOLT (2)
	24 621 R1	BOLT		25 522 R1	NUT (2)
	25 544 R1	WASHER		25 544 R1	WASHER (2)
7	290 045 R1	FLANGE, half split (26)	22	266 964 R1	SPACER (2)
	24 850 R1	BOLT, 1-1/2" long (36)		25 534 R1	WASHER (2)
	24 853 R1	BOLT, 2-1/2" long (8)	23	711 715 C1	BRACKET, RH cylinder tube support
	24 855 R1	BOLT, 3" long (8)		24 840 R1	BOLT (2)
	25 524 R1	NUT (16)		25 544 R1	WASHER (2)
8	711 698 C1	HOSE w/FITTINGS (1" ID x 35" long including FITTINGS) rod end at quick drop valve	24	711 713 C1	TUBE, RH cylinder head end
	343 906 R1	RING, sealing		140 483 H	BOLT, 1-1/4" long (2)
9	738 515 C1	HOSE w/FITTINGS (1" ID x 32-1/2" long including FITTINGS) head end at quick drop valve		24 621 R1	BOLT, 2-1/4" long (2)
				343 906 R1	RING, sealing
10	877 949 C2	FLANGE, half split (12)	25	711 708 C1	HOSE w/FITTINGS (1" ID x 44" long including FITTINGS) crossover
	140 483 H	BOLT (24)		343 909 R1	RING, sealing (4)
	343 909 R1	RING, sealing	26	711 709 C1	TUBE, LH rod end from crossover
11	711 701 C1	PLATE, valve mounting		343 909 R1	RING, sealing
	24 861 R1	BOLT (3)	27	711 710 C1	TUBE, LH head end from crossover
	25 546 R1	WASHER, hardened (3)		343 909 R1	RING, sealing
12		VALVE ASSY., quick drop (Refer to "Blade Equipment Quick Drop Valve")	28	711 712 C1	TUBE, LH cylinder head end
				140 483 H	BOLT, 1-1/4" long (2)
				24 621 R1	BOLT, 2-1/4" long (2)
				343 906 R1	RING, sealing
13	711 704 C1	TEE, quick drop valve	29	711 714 C1	BRACKET, LH cylinder tube support
	343 909 R1	RING, sealing		24 840 R1	BOLT (2)
14	711 706 C1	TUBE, RH head end from quick drop valve		25 544 R1	WASHER (2)
	343 909 R1	RING, sealing (2)	30		CYLINDER ASSY., hydraulic lift (Refer to "Blade Lift Cylinder") (2)
15	711 705 C1	TUBE, RH rod end from quick drop valve			
	343 909 R1	RING, sealing (2)			
16	711 707 C1	CLAMP, tube (2)			
	24 860 R1	BOLT (2)			
	25 536 R1	WASHER (2)			

HYDRAULICS

BLADE EQUIPMENT TUBING AND HOSES —
VALVE TO PUMP AND RESERVOIR
(For Manual Shift)



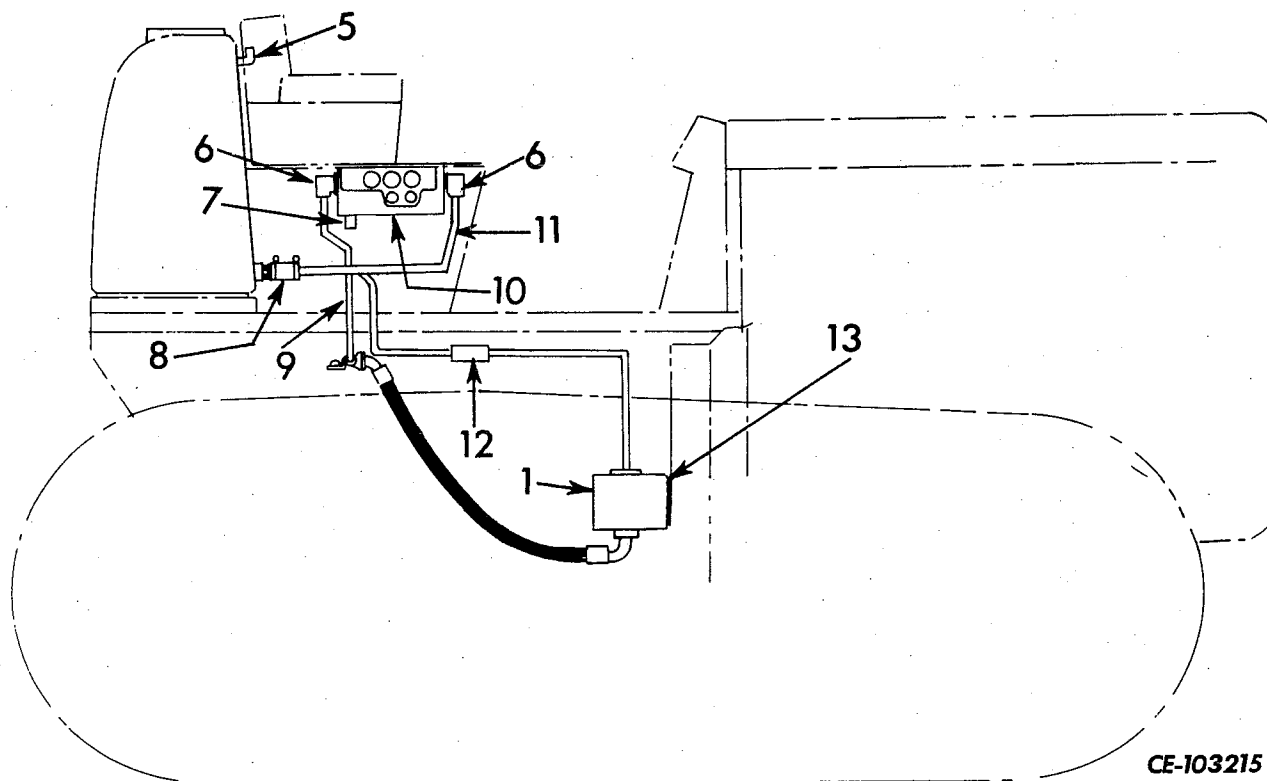
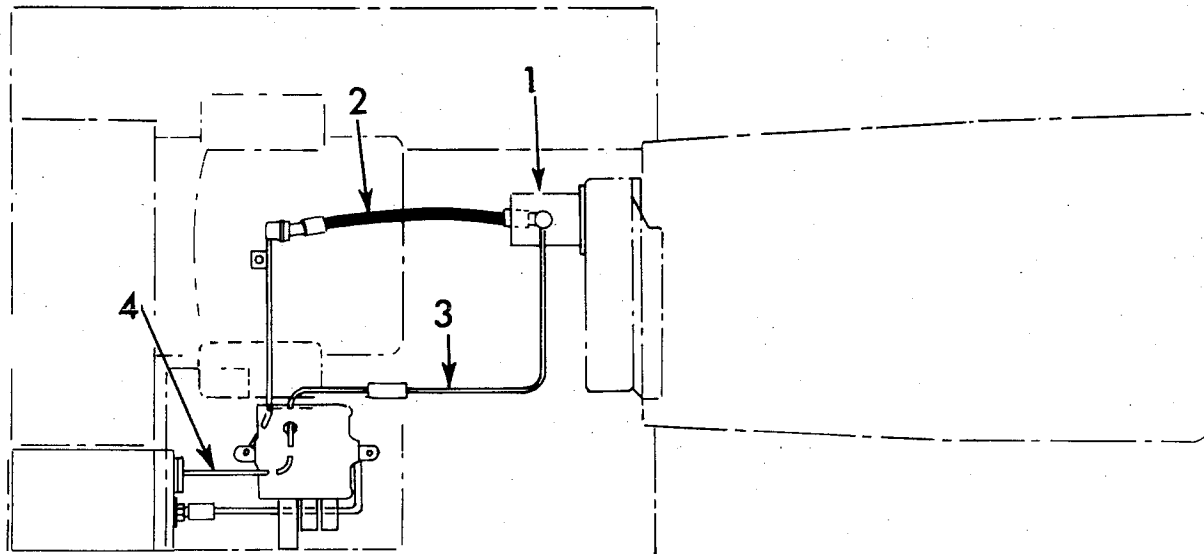
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HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT TUBING AND HOSES — Continued					
VALVE TO PUMP AND RESERVOIR					
(For Manual Shift)					
1		PUMP ASSY., (For components, see list of parts under details of "Hydraulic Pump")	13	646 246 C1 24 840 R1 115 093 103 341 25 522 R1	BRACKET, angle SCREW, hex-hd cap WASHER, lock WASHER, flat NUT
2	646 252 C1	BRACKET, pump pressure hose mounting	14		VALVE ASSY. (Refer to "Hydraulic Valve")
	24 861 R1	SCREW, 1/2 x 1-1/4" hex-hd cap	15	646 406 C1	TUBE, return (For models equipped with triple spool valve)
	24 864 R1	SCREW, 1/2 x 2" hex-hd cap	15	646 407 C2	TUBE, return (For models equipped with single spool valve)
	25 285 R1	SCREW, 1/2 x 3-1/4" hex-hd cap			
	116 121	WASHER, lock			
	103 343	WASHER, flat			
3	618 081 C1	HOSE, tank suction	16	25 465 R1	"O" RING, pump mounting (4 x 4-1/4 x 1/8")
	22 021 R1	CLAMP, hose (2)			
4	614 138 C2	HOSE, tank return	17	645 761 C1	TUBE, pressure (At pump)
	307 915 R1	"O" RING (1.475 x 1.711 x .118")		343 909 R1	"O" RING (1-1/2 x 1-3/4 x 1/8")
	690 062 C1	CLAMP, hose (2)		290 045 R1	CLAMP-HALF, split flange (2)
	325 327 R91	CONNECTOR, stem		24 850 R1	SCREW, hex-hd cap (4)
				115 314	WASHER, lock (4)
5	646 244 C1	TUBE, tank suction			
	293 726 R1	"O" RING (2-1/4 x 2-1/2 x 1/8")			
	300 525 R1	CLAMP-HALF, split flange (2)			
	24 862 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)			
6	342 310 R31	COVER, tubes			
	24 840 R1	SCREW, hex-hd cap (3)			
	115 093	WASHER, lock (3)			
	25 522 R1	NUT (3)			
7	646 243 C1	HOSE w/two FITTINGS, pressure (HOSE, 1" ID x 43" long including FITTINGS)			
	343 906 R1	"O" RING (1-5/16 x 1-9/16 x 1/8" (2)			
	877 949 C2	CLAMP-HALF, split flange (4)			
	140 483 H	SCREW, hex-hd cap (8)			
	115 093	WASHER, lock (8)			
8	645 762 C2	TUBE, suction			
	343 921 R1	"O" RING (1-7/8 x 2-1/8 x 1/8")			
	24 862 R1	SCREW, 1/2 x 1-1/2" hex-hd cap			
	25 281 R1	SCREW, 1/2 x 2-3/4" hex-hd cap			
	116 121	WASHER, lock (2)			
9		ELBOW, pressure vacuum relief valve (Refer to "Reservoir and Filters")			
10	9 410 982	CONNECTOR (2)			
	307 915 R1	"O" RING (1.475 x 1.711 x .118") (2)			
11	646 245 C1	TUBE, pressure (At valve)			
12	105 422	ELBOW			
	105 404	NIPPLE, pipe			
	715 370 C1	PLUG, quick disconnect			
	738 030 C1	COVER, quick disconnective			
	OR				
	715 477 C1	COVER, quick disconnective			

HYDRAULICS

BLADE EQUIPMENT TUBING AND HOSES –
VALVE TO PUMP AND RESERVOIR
(For Power Shift)



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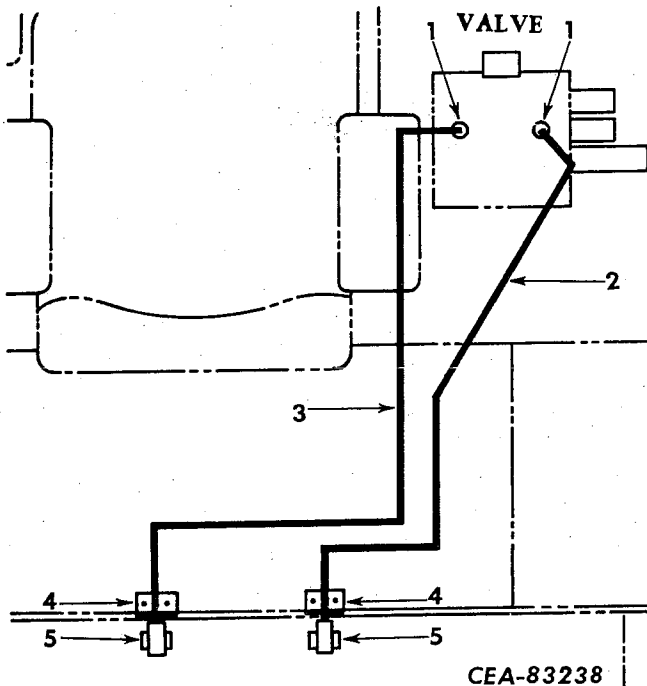
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE EQUIPMENT TUBING AND HOSES – Continued					
VALVE TO PUMP AND RESERVOIR					
(For Power Shift)					
1		PUMP ASSY. (Refer to "Hydraulic Pump")	12	618 081 C1 22 021 R1	HOSE, tank suction CLAMP, hose (2)
2	666 102 C1	HOSE w/FITTING, pump pressure (HOSE, 1" ID x 31" long including FITTINGS)	13	343 927 R1	"O" RING, pump mounting (5 x 5-1/4 x 1/8")
	343 906 R1	RING, sealing			
	343 909 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"			
	290 045 R1	CLAMP-HALF, split flange (2)			
	24 850 R1	SCREW, hex-hd cap (4)			
	115 314	WASHER, lock (4)			
	877 949 C2	CLAMP-HALF, split flange (2)			
	115 093	WASHER, lock (4)			
	140 483 H	SCREW, hex-hd cap (4)			
3	646 241 C1	TUBE, suction (At pump)			
	343 921 R1	"O" RING (1-7/8 x 2-1/8 x 1/8")			
	301 844 R1	CLAMP-HALF, split flange (2)			
	24 862 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)			
4	646 240 C1	TUBE, suction (At tank)			
	293 726 R1	"O" RING (2-1/4 x 2-1/2 x 1/8")			
	300 525 R1	CLAMP-HALF, split flange (2)			
	24 862 R1	SCREW, hex-hd cap (4)			
	116 121	WASHER, lock (4)			
5		ELBOW, pressure vacuum relief valve (Listed and illustrated w/"Reservoir and Filters")			
6	9 410 982	CONNECTOR (2)			
	307 915 R1	"O" RING (1.475 x 1.711 x .118") (2)			
7	105 422	ELBOW, 90°			
	105 404	NIPPLE, pipe			
	715 370 C1	PLUG, quick disconnect			
	715 477 C1	COVER, plug protective			
8	614 138 C2	HOSE, tank return			
	307 915 R1	"O" RING (1.475 x 1.711 x .118")			
	327 080 R91	CLAMP, hose (2)			
	325 327 R91	CONNECTOR, stem			
9	646 239 C2	TUBE, pressure (At valve) (Together with CLAMP, 308 882 R1, SCREW, 24 879 R1, SPACER, 521 426 R1 and WASHER, 25 537 R1, will work for TUBE, 646 239 C1)			
	308 882 R1	CLAMP, tube			
	24 879 R1	SCREW, hex-hd cap			
	521 426 R1	SPACER			
	25 537 R1	WASHER, flat			
10		VALVE ASSY. (Refer to "Hydraulic Valve")			
11	646 406 C1	TUBE, return (For models equipped with triple spool valve)			
11	646 407 C2	TUBE, return (For models equipped with single spool valve)			

HYDRAULICS

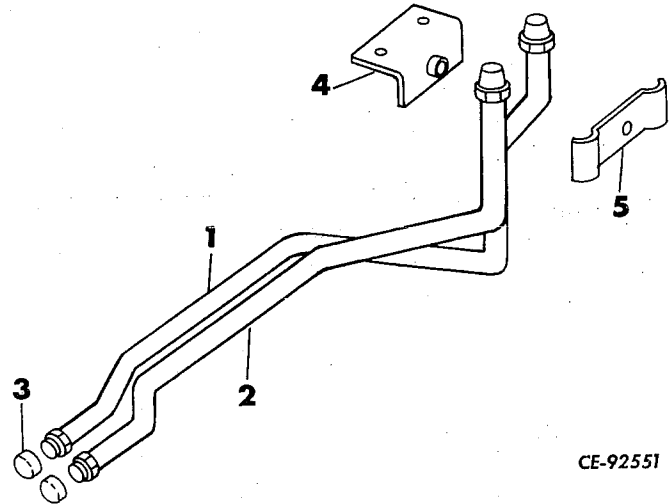
REF. NO.	PART NUMBER	DESCRIPTION

REAR EQUIPMENT TUBING AND HOSES (Not For Low Ground Pressure)



REF. NO.	PART NUMBER	DESCRIPTION

REAR HYDRAULIC PLUMBING ATTACHMENT (Single Spool) (For Manual Shift and Power Shift)



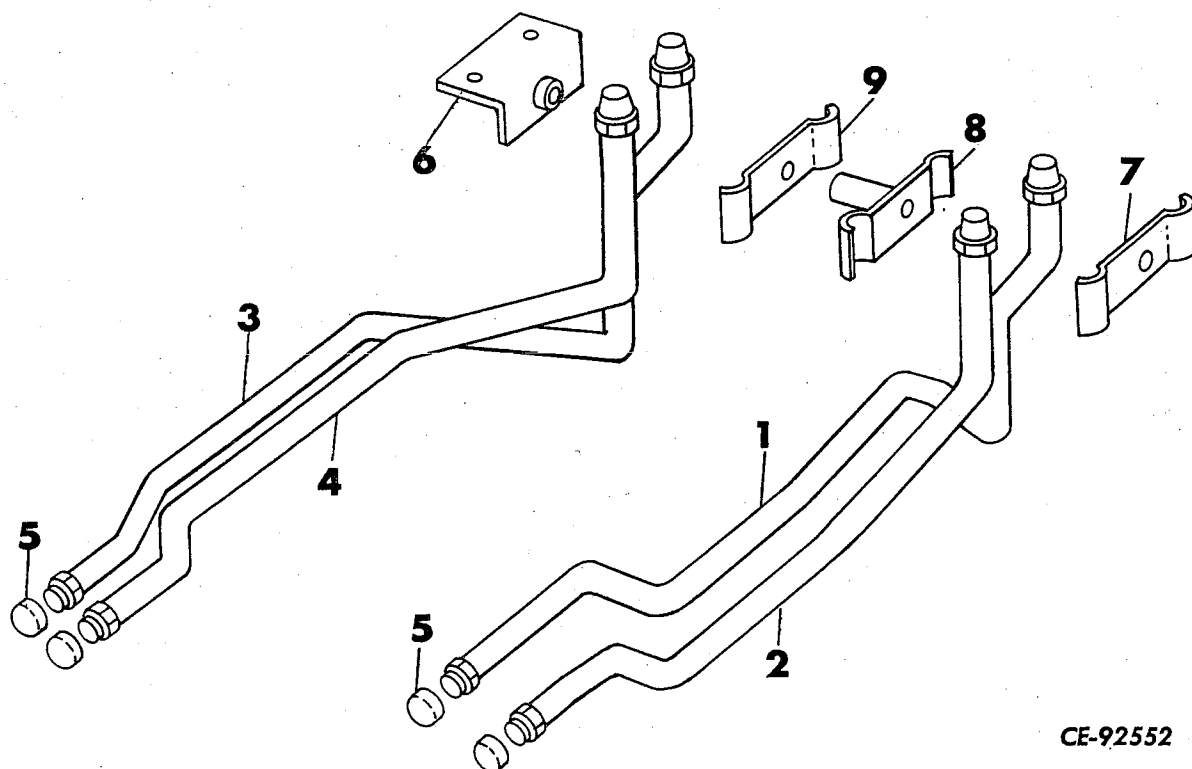
A	SERVICE PARTS (For use with Bulldozer with Ripper with or without Tilt or Bullgrader with Ripper)		614 253 C91 ATTACHMENT, rear hydraulic plumbing (Applicable to Bulldozer and Bullgrader if no blade is used) (See NOTE 4) (Consists of -	
	B			
1	9 410 207 296 247 R1	CONNECTOR, tube (2) "O" RING (1.475 x 1.171 x .118") (2)	1	614 236 C1 TUBE, inboard
2	602 834 C91	TUBE, head end	2	614 237 C1 TUBE, outboard
3	602 833 C92	TUBE, rod end	3	119 102 CAP, pipe (2)
4	602 832 C1 602 449 C1 25 522 R1 24 840 R1 115 093	BRACKET, tube support (2) CLAMP, tube support (2) NUT (8) SCREW, hex-hd cap (8) WASHER, lock (8)	4	614 238 C91 BRACKET 140 483 H SCREW, hex-hd cap (2) 115 093 WASHER, lock (2) 25 522 R1 NUT (2) 67 498 D SPACER (2)
5	877 949 C2 343 906 R1 140 483 H 115 093	CLAMP-HALF, split flange (4) "O" RING (1-5/16 x 1-9/16 x 1/8") (2) SCREW, hex-hd cap (8) WASHER, lock (8)	5	614 242 C1 CLAMP, tube 24 861 R1 SCREW, hex-hd cap 116 121 WASHER, lock
	602 249 C1 24 840 R1 115 093 25 522 R1	GUSSET (2) (B) BOLT (8) WASHER, lock (8) NUT (8)	IZG-8218 DRAWING, rear hydraulic plumbing installation	
	603 517 C1	PLUG, flange (Used for shipping purposes only) (2)	DRAWING, rear cover sheet rework	

NOTE 4: Attachment no longer available. Service Parts will be furnished as ordered.

HYDRAULICS

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

REAR HYDRAULIC PLUMBING ATTACHMENT (Triple Spool) (For Manual Shift and Power Shift)

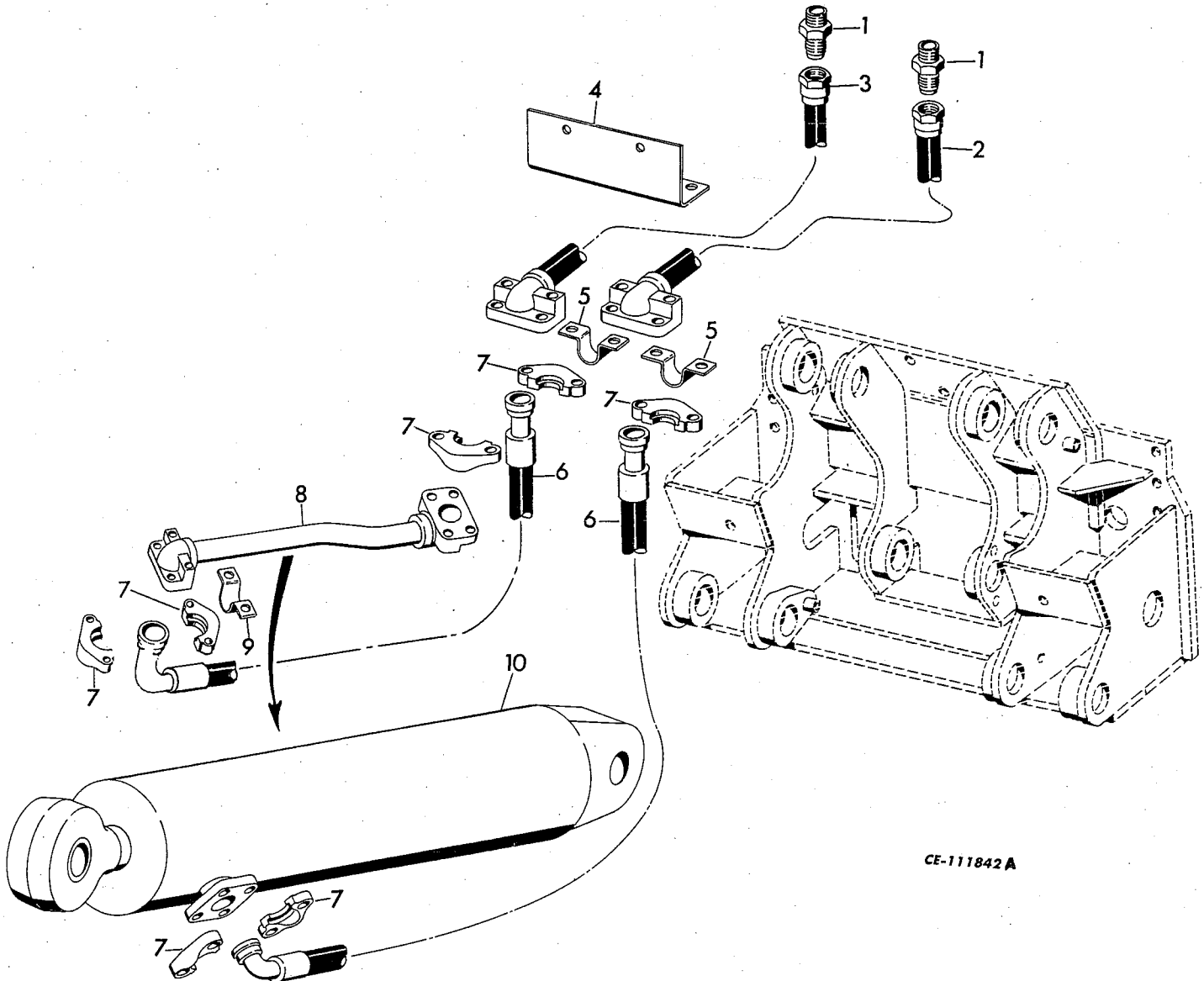


A	614 254 C91	ATTACHMENT, rear hydraulic plumbing (For Bulldozer) (See NOTE 4)	7	614 242 C1 179 882 103 323	CLAMP, tube (A) SCREW, hex-hd cap WASHER, lock
B	629 678 C91	ATTACHMENT, rear hydraulic plumbing (ATTACHMENT, 614 254 C91 must be used in conjunction with this attachment) (For Bulldozer) (See NOTE 4)	8	614 249 C91	CLAMP, tube (B)
1	614 244 C1	TUBE, inboard (A)	9	614 242 C1 24 870 R1 116 121	CLAMP, tube (B) SCREW, hex-hd cap WASHER, lock
2	614 245 C1	TUBE, outboard (A)	IZG-8218		DRAWING, rear hydraulic plumbing installation
3	623 292 C1	TUBE, inboard (B)			DRAWING, rear cover sheet rework
4	614 248 C1	TUBE, outboard (B)			
5	119 102	CAP, pipe (2)			
6	614 238 C91	BRACKET (A)			
	179 841	SCREW, hex-hd cap (2)			
	103 321	WASHER, lock (2)			
	102 635	NUT (2)			
	67 498 D	SPACER (2)			

NOTE 4: Attachment no longer available.
Service Parts will be furnished as ordered.

HYDRAULICS

RIPPER PIPING (Not For Low Ground Pressure)

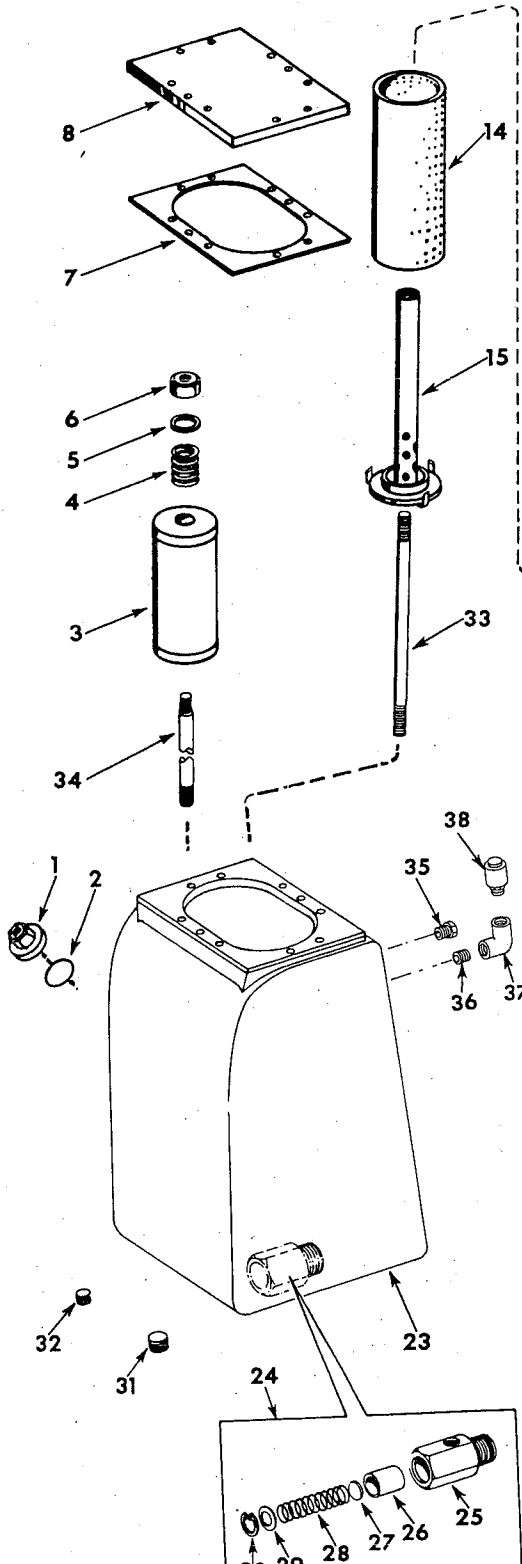


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HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RIPPER PIPING - Continued (Not For Low Ground Pressure)					
1	9 410 207 296 247 R1	CONNECTOR (2) RING, sealing (2)			
2	710 417 C1	TUBE, rod end			
3	710 418 C1	TUBE, headend			
4	710 417 C1 140 483 H 67 498 D 25 522 R1 115 093	BRACKET, tube support SCREW, hex hd cap (2) WASER, beveled (2) NUT (2) WASHER, lock (2)			
5	602 449 C1 140 483 H 710 420 C1 25 522 R1 115 093	CLAMP (2) SCREW, hex-hd cap (4) SPACER (2) NUT (4) WASHER, lock (4)			
6	710 416 C1 380 794 R1	HOSE (2) RING, sealing (4)			
7	283 172 R1 140 483 H 115 093	FLANGE, half split (8) SCREW, hex-hd cap (16) WASHER, lock (16)			
8	710 127 C1 140 483 H 24 893 H 115 093 380 794 R1	TUBE, ripper cylinder manifold SCREW, 1-1/4" long hex-hd cap (2) SCREW, 2" long hex-hd cap (2) WASHER, lock (4) RING, sealing			
9	602 449 C1 25 768 R1 115 093	CLAMP SCREW, hex hd cap (2) WASHER, lock (2)			
10		CYLINDER, hydraulic (Refer to "Ripper Lift Cylinder")			

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC RESERVOIR (501 to 518, 533 to 537, 539 to 548)			1	294 118 R2	PLUG, hydraulic oil filler
			2	253 172 R1	"O" RING (1.250 x 1.600 x .75")
			3	662 342 C1	FILTER
			4	250 567 R1	SPRING, suction strainer
			5	103 343	WASHER
			6	454 522 R1	NUT, lock
			7	335 776 R2	GASKET, cover
			8	335 777 R1 179 840	COVER, tank SCREW, hex-hd cap (10)
			9	17 161 R1	NUT, lock
			10	335 778 R91	SHROUD
			11	335 775 R1	RETAINER, spring
			12	605 049 C1	SPRING, compression
			13	335 770 R91	SUPPORT, filter
			14	336 670 R5 or 666 219 C1	ELEMENT, filter ELEMENT, filter
			15	335 769 R92	BASE, filter
			23	602 800 C92 179 841	TANK, hydraulic SCREW, 3/8 x 1-1/4" hex-hd cap (3)
				103 321	WASHER, 3/8" lock (3)
				179 885	SCREW, 1/2 x 1-1/2" hex-hd cap (3)
				103 323	WASHER, 1/2" lock (3)
				103 343	WASHER, 17/32 x 1-1/16" x 13 ga. (3)
				103 341	WASHER, 13/32 x 13/16" x 16 ga. (3)
				106 265	SHIM, 9/16" flat (x)
			24	335 321 R92	VALVE ASSY., surge
			25		HOUSING (Not furnished separately)
			26	335 322 R2	POPPET
			27	321 997 R1	SPACER (x)
			28	328 253 R1	SPRING
			29	103 347	WASHER
			30	631 449 R1	RING, snap
			31	271 849 R1	PLUG, pipe
			32	444 577	PLUG, pipe

CE-105425

(x) - As Required.

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC RESERVOIR — Continued (501 to 518, 533 to 537, 539 to 548)					
33	335 764 R1	STUD, return tube filter (Mounted on return tube in hydraulic tank)			
34	335 768 R1	STUD, strainer			
	102 635	NUT			
	179 839	SCREW, hex-hd cap			
	103 321	WASHER, lock			
35	444 654	PLUG, NPT			
36	121 207	NIPPLE, NPT			
37	217 984	ELBOW, NPT			
38	657 882 C91	VALVE, pressure vacuum relief (Also see seal repair KIT, 883 170 C91 for service)			
	883 170 C91	KIT, seal repair (for VALVE, 657 882 C91) (Consists of - § 1 RING, lock § 1 SEAL, filter § 1 SEAL, poppet § 1 SEAL, sleeve)			

§ - Not furnished separately.

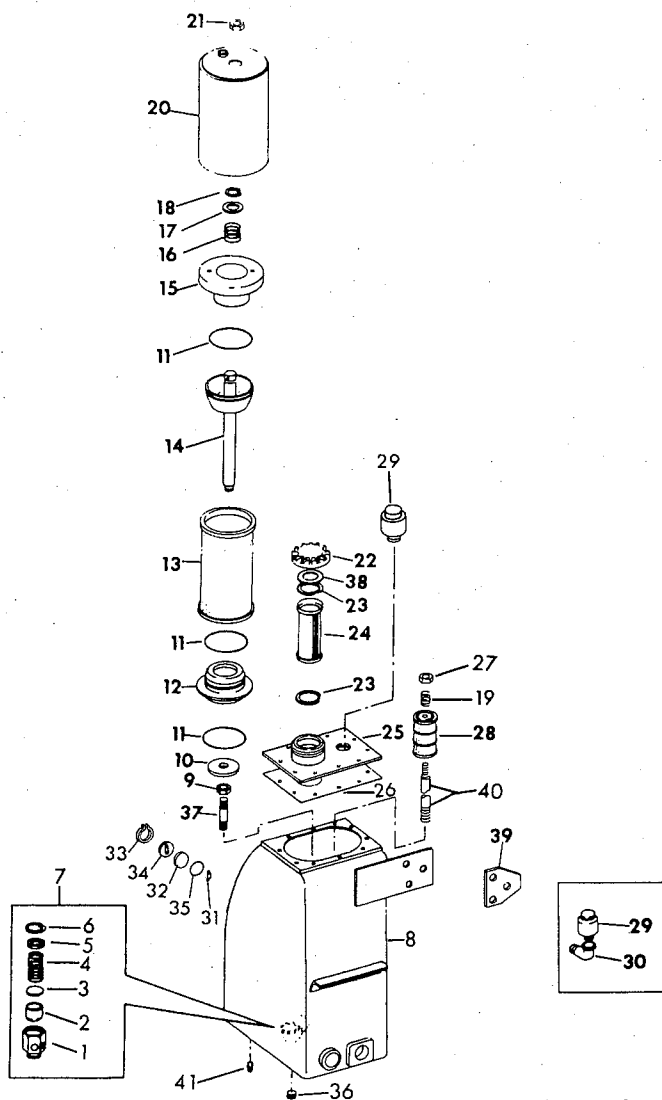
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION

HYDRAULIC RESERVOIR

(519 to 532, 538, 540 to 547 and 549 and up)



CE-102535 G

1		HOUSING, surge valve (Not furnished separately)
2	335 322 R2	POPPET, valve
3	321 997 R1 OR 738 070 C1	SPACER, valve (x)
4	605 059 C1	SPRING, valve
5	103 347	WASHER, flat
6	631 449 R1	RING, valve snap
7	605 058 C91	VALVE ASSY., surge

8	658 995 C4	RESERVOIR w/STUD, 656 930 C1, hydraulic
	24 841 R1	SCREW, 3/8 x 1-1/2" hex-hd cap (3)
	115 093	WASHER, 3/8" lock (3)
	24 862 R1	SCREW, 1/2 x 1-1/2" hex-hd cap (3)
	25 536 R1	WASHER, 17/32 x 1-1/16" x 13 ga. flat (3)
	116 121	WASHER, 1/2" lock (3)
	106 265	WASHER, 9/16 x 1-3/8" x 12 ga. flat (4 or as required)
9	666 001 C1	NUT
10	656 391 C1	PLATE, filter
11	252 556 R1	"O" RING (5-1/4 x 5-1/2 x 1/8") (3)
12	658 982 C2	BASE, filter
13	336 670 R5	ELEMENT, filter
13	666 219 C1	ELEMENT, filter
14	656 923 C1	SUPPORT, filter
15	656 489 C1	RETAINER, filter
16	618 582 C1	SPRING, filter
17	Q-3 483	WASHER, flat
18	199 037 H1	RING, snap
19	250 567 R1	SPRING, suction strainer
20	629 284 C1	SHROUD, filter
21	17 161 R1	NUT, lock
22	701 922 C2	CAP w/GASKET, 618 688 C2, filler
23	317 943 R1	RING, snap (2)
24	733 455 C1	STRAINER (Replaces 658 989 C1) filler
25	658 990 C2	COVER and FILLER NECK (Together with PLUG, 9 409 949, will work for COVER, 658 990 C1)
	26 311 R1	SCREW, hex-hd cap (10)
26	335 776 R2	GASKET, cover and filler neck
27	454 522 R1 25 536 R1	NUT, lock WASHER, flat
28	662 342 C1	STRAINER, suction
29	657 882 C91	VALVE, pressure vacuum relief (Also see SEAL REPAIR KIT, 883 170 C91 for service)
	or	
29	659 078 C91	VALVE, pressure vacuum relief (Also see SEAL REPAIR KIT, 925 262 C91 for service)
		(x) - As Required.

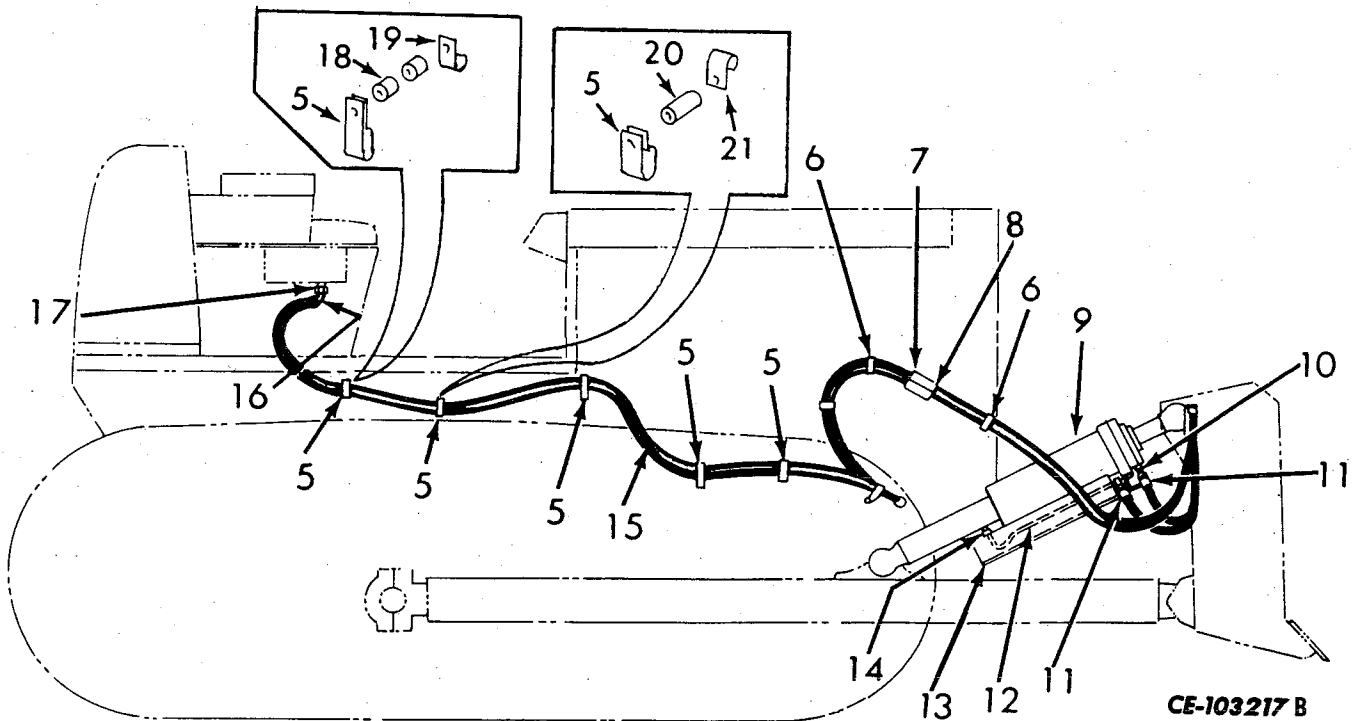
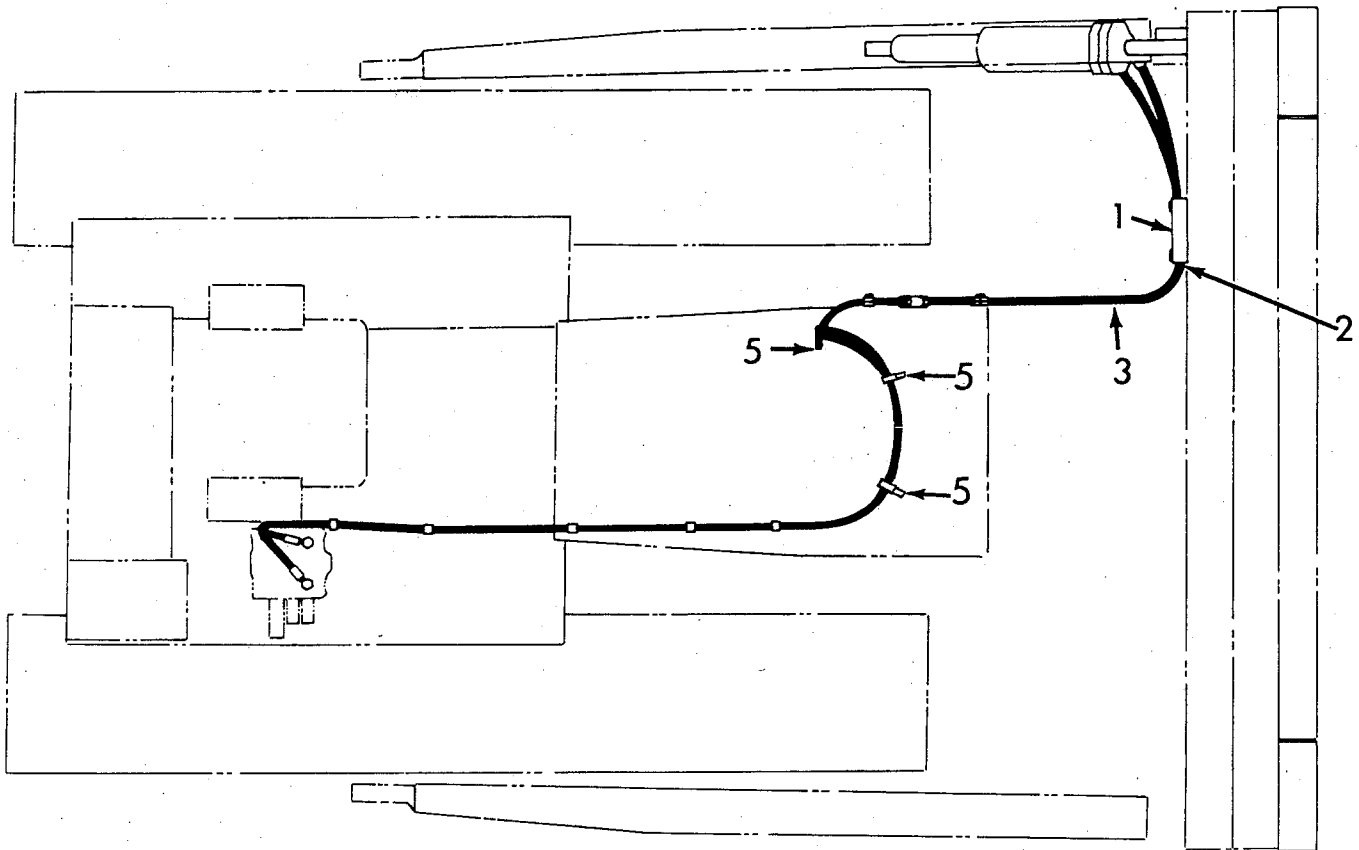
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC RESERVOIR — Continued (519 to 532, 538, 540 to 547 and 549 and up)					
30	141 621	ELBOW, pressure vacuum relief valve 1374 and below			
31	656 106 C1	REFLECTOR			
32	656 104 C2	LENSE, hydraulic reservoir			
33	23 914 R1	RING, snap			
34	656 105 C1	WASHER			
35	22 288 R1	"O" RING (1-1/2 x 1-1/8 x 7/16")			
36	280 668 R91	PLUG, magnetic			
37	656 930 C2	STUD, filter			
38	618 688 C2	GASKET, filler cap			
39	651 709 C1	PLATE, bolt mounting			
40	658 988 C1	STUD, strainer			
41	444 577	PLUG # and below			
	883 170 C91	KIT, seal repair (For VALVE, 657 882 C91) (Consists of three SEALS and one "O" RING)			
	925 262 C91	KIT, seal repair (For VALVE, 659 078 C91) (Consists of two GASKETS and one "O" RING)			
	9 409 949	PLUG, cover and filler neck			

- Serial Number not available.

HYDRAULICS

HYDRAULIC TILT (Bulldozer) (Not For Low Ground Pressure)



CE-103217 B

HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TILT — Continued (Bulldozer) (Not For Low Ground Pressure)			12	326 235 R91	TUBE, cylinder (Used w/CYLINDER ASSY., 326 233 C91)
	628 440 C91	ATTACHMENT, hydraulic tilt (For models equipped with Bulldozer blade) (See NOTE) (Consists of -		101 826 R1	SCREW, hex-hd cap (2)
				115 093	WASHER, lock (2)
1	326 241 R11	GUARD, hose	13	326 236 R11	GUARD, cylinder tube (Used w/CYLINDER ASSY., 326 233 C91)
	24 863 R1	SCREW, hex-hd cap (2)		25 526 R1	NUT
	116 121	WASHER, lock (2)		25 290 R1	SCREW, hex-hd cap
2	326 239 R1	CLAMP, tapped half (Optional w/705 573 C1) (2)		116 121	WASHER, lock
2	705 573 C1	CLAMP, tapped half (Optional w/326 239 R1) (2)		120 390	WASHER, flat (2)
3	702 425 C1	HOSE w/FITTINGS (HOSE, 3/8" ID x 111" long including FITTINGS) (2)	13	645 883 C1	GUARD, cylinder tube (Used w/CYLINDER ASSY., 658 582 C91)
5	612 354 C1	CLAMP, double hose (8)		25 696 R1	SCREW (2)
	25 522 R1	NUT (2)		9 412 231	NUT, lock (2)
	27 768 R1	SCREW, 3/8 x 7/8" hex-cap (2)	14	9 410 203	CONNECTOR
	24 840 R1	SCREW, 3/8 x 1" hex-hd cap		570 828 R1	"O" RING, 2.337 x 2.573 x .118"
	25 501 R1	SCREW, 3-3/4" long hex-hd cap	15	702 981 C1	HOSE w/FITTINGS (HOSE, 3/8" ID x 171" long including FITTINGS) (2)
	277 232 R1	SCREW, 2-3/4" long hex-hd cap	16		FITTING, hose (Not furnished separately) (2)
	24 860 R1	SCREW, 1/2 x 1" hex-hd cap (2)	17	333 457 R1	CONNECTOR, straight boss (2)
	24 866 R1	SCREW, 1/2 x 2-1/2" hex-hd cap		296 247 R1	"O" RING, .301 x .429 x .064" (2)
	115 093	WASHER, 3/8" lock (3)	18		SPACER (1/2" extra strong pipe x 9/16" long) (Obtain locally) (2)
	116 121	WASHER, 1/2" lock (2)	19	267 787 R91	CLIP (For battery cable) *
	118 775	WASHER, 13/32 x 13/16" x 16 ga. (4)	20		SPACER (1/2" extra strong pipe x 2-7/16" long) (Obtain locally) *
6	705 574 C1	CLAMP, tapped half (Optional w/326 240 R1)	21	616 282 C1	CLIP (For battery cable) *
6	326 240 R1	CLAMP, drilled half (Optional w/705 574 C1) (2)			
	24 862 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			
7		FITTING, hose (Not furnished separately) (2)			
8		FITTING, hose (Not furnished separately) (2)			
9		CYLINDER, tilt (Refer to "Tilt Cylinder Bulldozer")			
10	9 411 105	ELBOW, 45° (Used w/CYLINDER ASSY, 326 233 C91)			
	570 828 R1	"O" RING, 2.337 x 2.573 x .118" (Used w/ELBOW, 9 411 105)			
10	481 352 R1	CONNECTOR, short reducer (Used w/CYLINDER ASSY., 658 582 C91)			
11		FITTING, hose (Not furnished separately) (2)			

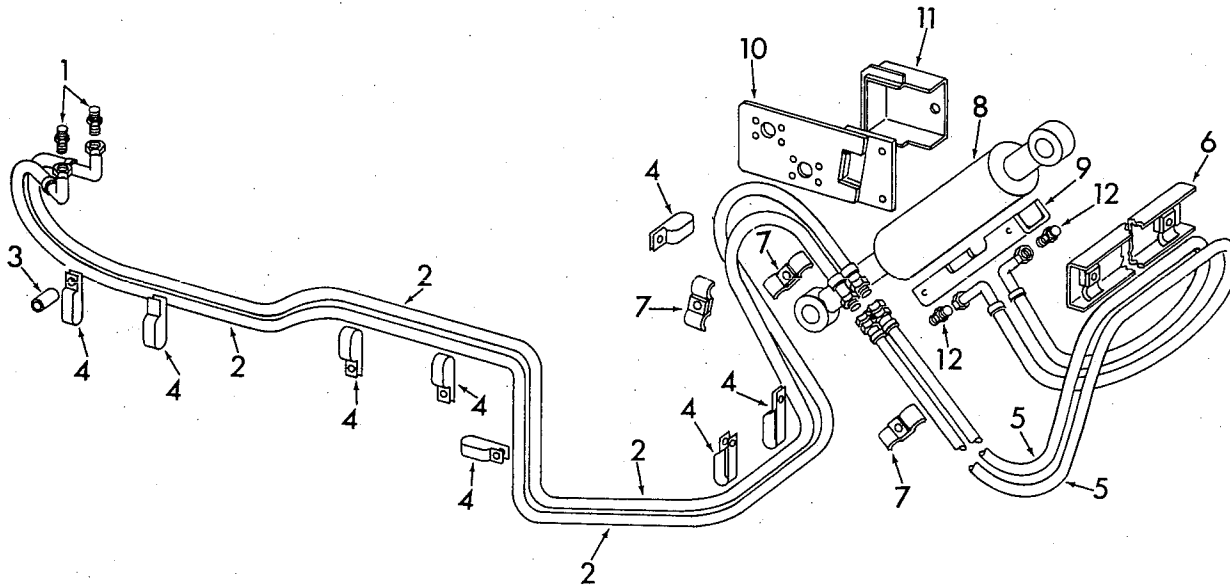
* - Not Part of Attachment.

NOTE — Field Application - Order on Machine Order Form.

HYDRAULICS

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

HYDRAULIC TILT (BULLDOZER) (For Low Ground Pressure)



PL-118859

1	333 457 R1 296 247 R1	CONNECTOR, straight boss (2) RING, sealing (2)	7	326 240 R1 OR 705 574 C1	CLAMP, hose (3) CLAMP, hose (3)
2	702 981 C1	HOSE w/FITTINGS (3/8" ID x 171" long including FITTINGS) (2)	7	24 862 R1 25 536 R1	SCREW, hex-hd cap (2) WASHER, hardened (2)
3	259 342 R1 24 866 R1 25 536 R1	SPACER, pipe SCREW, hex-hd cap WASHER, hardened	8		CYLINDER, hydraulic tilt (Refer to "Tilt Cylinder Bulldozer")
4	612 354 C1 25 522 R1 277 232 R1 24 840 R1 24 860 R1 27 768 R1 25 534 R1 25 536 R1	CLAMP, hose (8) NUT SCREW, 2-3/4" long hex-hd cap SCREW, 3/8 x 1" long hex-hd cap SCREW, 1/2 x 1" long hex-hd cap SCREW, 7/8" long hex-hd cap (2) WASHER, 3/8" hardened (2) WASHER, 1/2" hardened	9	645 883 C1 9 412 231 25 696 R1	GUARD, cylinder tube NUT, lock (2) SCREW, hex-hd cap (2)
5	711 576 C1	HOSE w/FITTINGS (3/8" ID x 147" long including FITTINGS) tilt cy- linder (2)	10	732 495 C1	PLATE, LH mounting equipment plumbing
6	711 578 C1 24 863 R1 25 536 R1	GUARD, hose SCREW, hex-hd cap (2) WASHER, hardened (2)	11	717 441 C1 24 863 R1 25 555 R1	CLOSURE, hydraulic tilt SCREW, hex-hd cap WASHER, hardened
			12	481 352 R1 364 885 R1	UNION, "O" ring boss (2) RING, sealing (2)

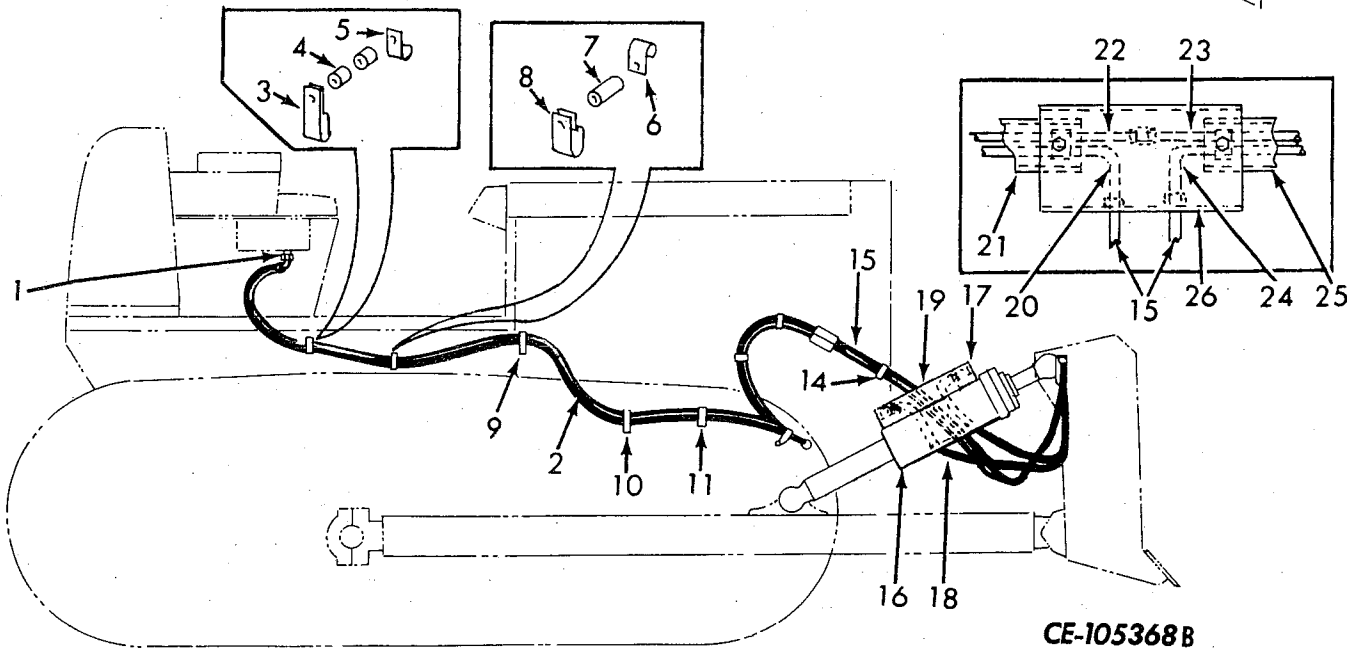
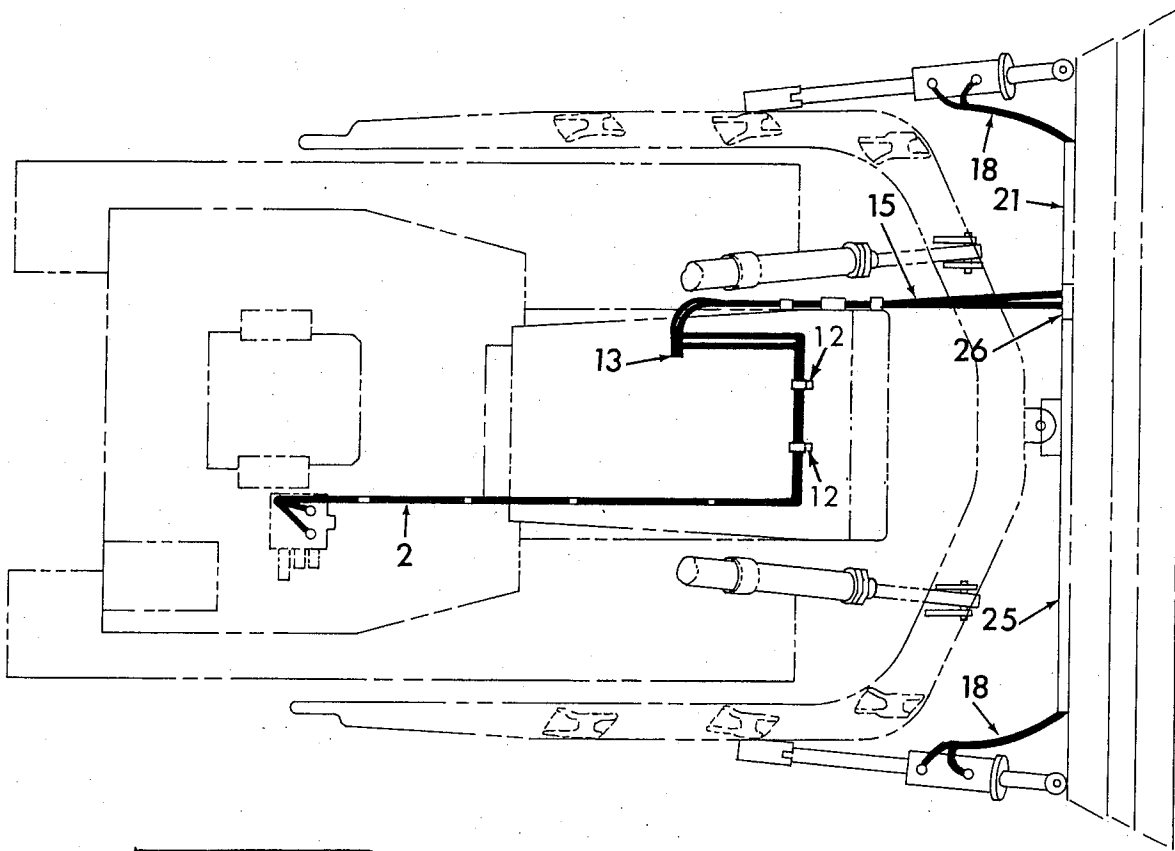
HYDRAULICS

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

MEMORANDA

HYDRAULICS

HYDRAULIC TILT (Bullgrader) (Not For Low Ground Pressure)



CE-105368B

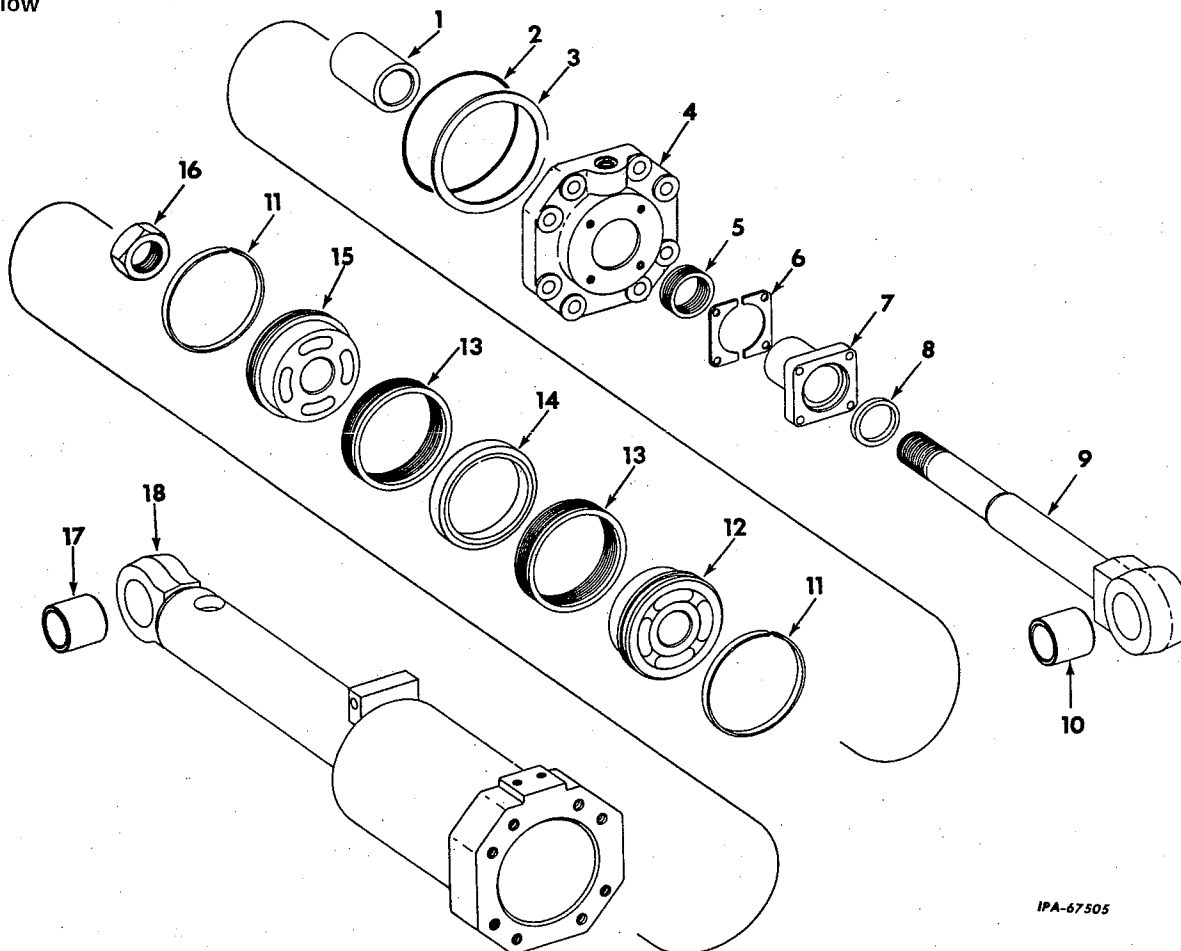
HYDRAULICS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TILT — Continued (Bullgrader) (Not For Low Ground Pressure)			16		CYLINDER, hydraulic tilt (Refer to "Tilt Cylinder - Bullgrader Hydraulic Tilt") (2)
	629 732 C91	ATTACHMENT, hydraulic tilt (For use on Manual Shift and Power Shift Tractors equipped with Hydraulic Bullgrader Blade) (See NOTE 2) (Consists of -		105 404 342 775 R91	NIPPLE, pipe (2) PLUG, bleeder (2)
1	333 457 R1 296 247 R1	CONNECTOR, reducer (2) "O" RING (2)	17	481 352 R1 364 885 R1	CONNECTOR, reducer (4) "O" RING (4)
2	702 981 C1	HOSE w/FITTING (HOSE, 3/8" ID x 171" long including FITTINGS) (2)	18	646 568 C1	HOSE w/FITTING (HOSE, 3/8" ID x 45" long including FITTINGS) (4)
3	612 354 C1 24 860 R1 116 121	CLAMP, hose SCREW, hex-hd cap WASHER, lock	19	645 883 C1 9 412 231 25 696 R1	PLATE, cylinder guard (2) NUT, lock (4) SCREW, hex-hd cap (4)
4	259 342 R1	SPACER	20	645 888 C1	TUBE, head side - short
5	267 787 R91 24 866 R1 116 121 R1	CLAMP, battery cable * SCREW, hex-hd cap WASHER, lock	21	645 880 C1 24 839 R1 25 506 R1 116 121 196 556 R1	GUARD, short tube SCREW, 3/8" dia. hex-hd cap SCREW, 1/2" dia. hex-hd cap WASHER, lock WASHER, tube clamping
6	616 282 C1 25 522 R1 25 501 R1 115 093 12 201 R1	CLAMP, battery cable * NUT SCREW, hex-hd cap WASHER, lock WASHER, flat	22	646 977 C1	TUBE, rod crossover 100" long (Order TUBE, 646 977 C2 and TUBE, 629 817 C1)
7	650 546 R2	SPACER *	22	646 977 C2	TUBE, rod crossover (50" long)
8	612 354 C1	CLAMP, hose	23	629 817 C1	TUBE, rod crossover
9	612 354 C1 25 522 R1 24 840 R1 115 093 118 775	CLAMP, hose NUT SCREW, hex-hd cap WASHER, lock WASHER, flat	24	645 886 C1	TUBE, head side - long
10	612 354 C1 24 860 R1 116 121	CLAMP, hose SCREW, hex-hd cap WASHER, lock	25	645 877 C1 25 506 R1 24 839 R1 196 556 R1 116 121	GUARD, long tube SCREW, 1/2" dia. hex-hd cap (3) SCREW, 3/8" dia. hex-hd cap WASHER, tube clamping WASHER, lock (3)
11	612 354 C1	CLAMP, hose	26	645 882 C1 25 278 R1 116 121	PLATE, cover SCREW, hex-hd cap (2) WASHER, lock (2)
12	612 354 C1	CLAMP, hose (2)		612 354 C1 27 768 R1 118 775	CLAMP, hose (2) SCREW, hex-hd cap (2) WASHER, flat (2)
13	612 354 C1 25 522 R1 277 232 R1 115 093 118 775	CLAMP, hose NUT SCREW, hex-hd cap WASHER, lock WASHER, flat	1 085 654 R1		PAMPHLET, installation instructions
14	705 573 C1 or 326 239 R1 326 240 R1 24 862 R1 116 121	CLAMP, tapped half (2) CLAMP, tapped half (2) CLAMP, drilled half (2) SCREW, hex-hd cap (2) WASHER, lock (2)	* - Not Part Of Attachment		
15	646 569 C1	HOSE w/two FITTINGS, 324 695 R91 (HOSE, 3/8" ID x 92" long including FITTINGS)	NOTE 2 - Field Application - Order on Machine Order Form.		

HYDRAULICS

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

TILT CYLINDER
(Bulldozer)
% and below



IPA-67505

326 233 R92 CYLINDER ASSEMBLY, hydraulic
tilt (Order the following parts -
1 CYLINDER 658 582 C91
2 HOSE 702 425 C1
1 GUARD 645 883 C1
2 BOLT 25 696 R1
2 NUT 9 412 231)
(Consists of -

7 294 514 R2 GLAND, cylinder cap packing
179 886 SCREW, hex-hd cap (4)
103 323 WASHER, lock (4)

8 SEAL, rod wiper (Order PACKAGE,
636 140 C91)

9 317 096 R91 ROD w/BUSHING, 290 290 R2,
piston

10 290 290 R2 BUSHING, piston rod

11 RING, piston wear (Order PACKAGE,
636 140 C91) (2)

12 317 097 R1 PISTON, split front

13 PACKING, piston (Order PACKAGE,
636 140 C91) (2)

14 SPACER, packing (Order PACKAGE,
636 140 C91)

15 317 097 R1 PISTON, split rear

1 317 126 R1 SPACER, piston rod
2 22 292 R1 "O" RING, 4-3/4 x 5-1/4 x 1/4" (Also
part of PACKAGE, 636 140 C91)
3 603 507 C1 RING, back-up (Also part of PACK-
AGE, 636 140 C91)
4 326 234 R1 CAP, cylinder
179 911 SCREW, hex-hd cap (8)
5 SEAL, piston rod (Order PACKAGE,
636 140 C91)
6 294 515 R1 SHIM, cylinder cap packing gland
(Order PACKAGE, 636 140 C91)(30)

HYDRAULICS

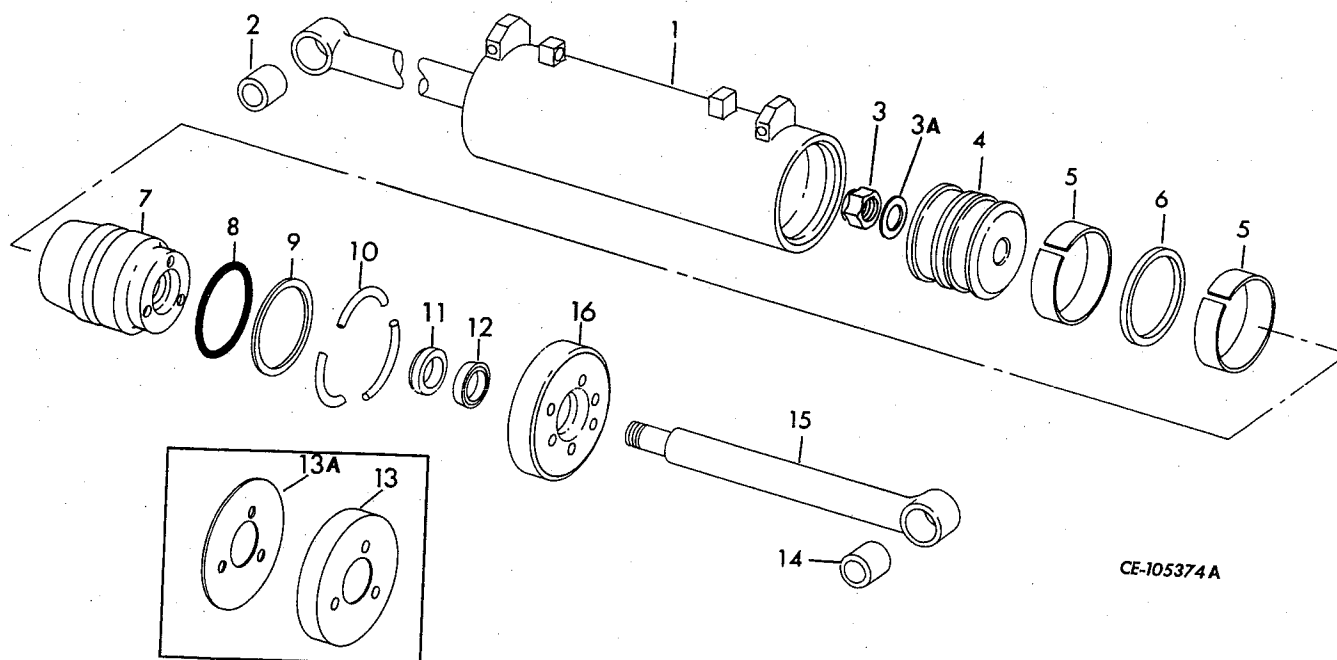
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TILT CYLINDER — Continued (Bulldozer) % and below					
16	27 137 R1 595 750 R1	NUT, elastic stop WASHER, hardened			
17	290 290 R2	BUSHING, cylinder housing			
18	317 092 R91	HOUSING w/BUSHING, 290 290 R2, cylinder (Order the following parts - 1 CYLINDER 658 582 C91 2 HOSE 702 425 C1 1 GUARD 645 883 C1 2 BOLT 25 696 R1 2 NUT 9 412 231)			
	636 140 C91	PACKAGE, cylinder seal ring (Services one cylinder) (x) (Consists of - § 1 PACKING, piston § 2 RING, piston wear 1 RING 603 507 C1 1 RING 22 292 R1 § 1 SEAL, rod (Will work for PACKING, 294 512 R92 and SHIM, 294 515 R1) § 1 SEAL, rod wiper			

(x) - As Required.
§ - Not Furnished Separately.

HYDRAULICS

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

TILT CYLINDER (Bulldozer) % and up



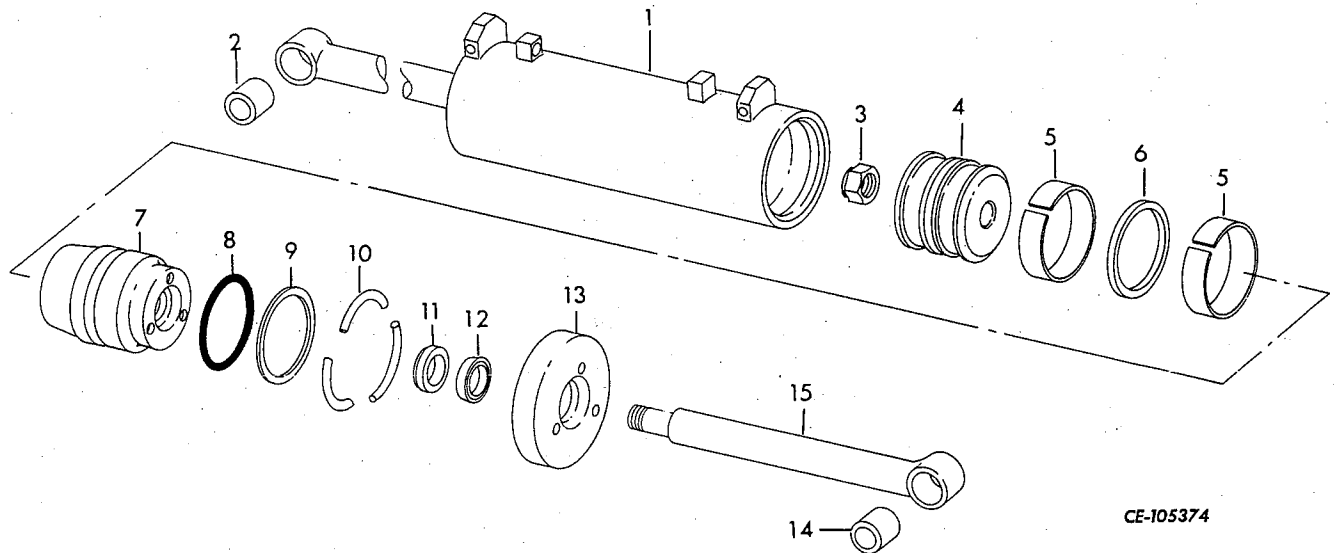
CE-105374A

	658 582 C91	CYLINDER ASSEMBLY, hydraulic tilt(Order CYLINDER ASSY., 707 148 C91)	10	214 767 H2	SEGMENT, lock ring (3)
	707 148 C91	CYLINDER ASSEMBLY, hydraulic tilt (Consists of—	11		SEAL, rod (Order PACKAGE, 636 143 C91)
1	658 583 C91	HOUSING w/BUSHING, 290 290 R2, cylinder	12		SEAL, rod wiper (Order PACKAGE, 636 143 C91)
2	290 290 R2	BUSHING, housing	13	656 638 C1	COVER, cylinder (Used w/CYLINDER ASSY., 658 582 C91)
3	634 251 C1	NUT	13A	614 720 C1	GASKET, cover (Also part of PACKAGE, 636 143 C91)
3A	28 129 R1	WASHER, flat		26 311 R1	BOLT (3)
4	706 804 C1	PISTON		25 534 R1	WASHER, flat (3)
5		RING, piston wear (Order PACKAGE, 636 143 C91) (2)	14	290 290 R2	BUSHING, piston rod
6		RING, piston seal (Order PACKAGE, 636 143 C91)	15	657 878 C91	ROD w/BUSHING, 290 290 R2, piston
7	657 877 C1	CAP(Used w/CYLINDER ASSY., 658 582 C91)	16	706 853 C1	COVER, cylinder (Used w/CYLINDER ASSY., 707 148 C91)
7	707 093 C1	CAP (Used w/CYLINDER ASSY., 707 148 C91)		26 311 R1	BOLT (6)
8	343 912 R1	"O" RING (Also part of PACKAGE, 636 143 C91)		25 534 R1	WASHER, flat (6)
9	336 620 R2	RING, back-up (Also part of PACKAGE, 636 143 C91)		636 143 C91	PACKAGE, cylinder seal ring (Consists of -
					1 GASKET 614 720 C1
					1 RING 336 620 R2
					1 RING 343 912 R1
					§ 1 RING, piston seal
					§ 2 RING, wear, 3/16" thk
					+ § 2 RING, wear, 1/8" thk
					§ 1 SEAL, rod
					§ 1 SEAL, rod wiper
			(+)		- Not used in this cylinder.
			§		- Not furnished separately.

HYDRAULICS

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

TILT CYLINDER (Bullgrader) (Not For Low Ground Pressure)



CE-105374

	657 870 C91	CYLINDER ASSEMBLY, hydraulic tilt (Part of Bullgrader Hydraulic Tilt Attachment)(Order CYLINDER ASSY., 707 134 C91)	11		SEAL, rod (Order PACKAGE, 636 143 C91)
	707 134 C91	CYLINDER ASSEMBLY, hydraulic tilt (Consists of—	12		WIPER, seal (Order PACKAGE, 636 143 C91)
1	657 871 C91	HOUSING w/BUSHING, 290 290 R2, cylinder	13	656 638 C1	COVER, cylinder (Used w/CYLINDER ASSY., 657 870 C91)
2	290 290 R2	BUSHING, housing	13A	614 720 C1	GASKET, cover (Also part of PACKAGE, 636 143 C91)
3	634 251 C1 27 424 R1	NUT WASHER, hardened		26 311 R1 25 534 R1	BOLT (3) WASHER, flat (3)
4	656 741 C2	PISTON (Order PISTON, 706 804 C1 and PACKAGE, 636 143 C91)	14	290 290 R2	BUSHING, piston rod
4	706 804 C1	PISTON	15	657 878 C91	ROD w/BUSHING, 290 290 R2, piston
5		RING, piston wear (Order PACKAGE, 636 143 C91)	16	706 853 C1	COVER, cylinder (Used w/CYLINDER ASSY., 707 134 C91)
6		RING, seal (Order PACKAGE, 636 143 C91)		26 311 R1 25 534 R1	BOLT (6) WASHER (6)
7	657 877 C1	CAP(Used w/CYLINDER ASSY., 657 870 C91)		636 143 C91	PACKAGE, cylinder seal ring (Services one cylinder) (x) (Consists of -
7	707 093 C91	CAP (Used w/CYLINDER ASSY., 707 134 C91)			1 GASKET 614 720 C1
8	343 912 R1	"O" RING (Also part of PACKAGE, 636 143 C91)			1 RING 336 620 R2
9	336 620 R2	RING, back-up (Also part of PACKAGE, 636 143 C91)			1 RING 343 912 R1
10	214 767 H2	SEGMENT, lock ring (3)			§ 1 RING, piston seal
					§ 2 RING, wear, 3/16" thk (Use w/PISTON, 706 804 C1)
					§ 2 RING, wear, 1/8" thk (Use w/PISTON, 656 741 C2)
					§ 1 SEAL, rod
					§ 1 SEAL, rod wiper)

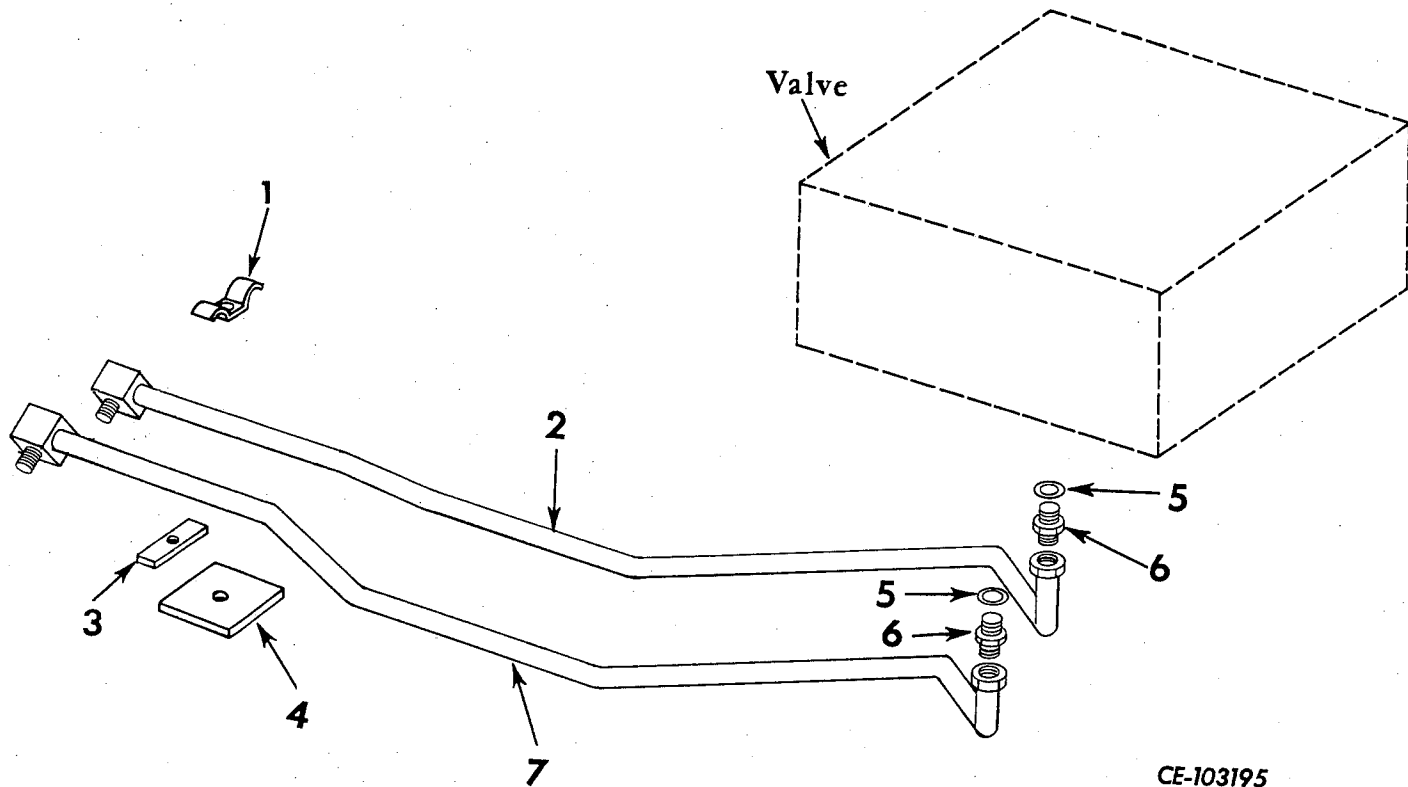
(x) - As required.

§ - Not furnished separately.

HYDRAULICS

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

SCARIFIER HYDRAULICS (For Manual Shift and Power Shift)



CE-103195

ATTACHMENT, scarifier hydraulic
(For models equipped with Auxiliary
Control, Three Spool Hydraulic
Control Unit and Drott Scarifier)
(Not used with Drawbar) (See
NOTE 4)
(Consists of -

1 600 859 C1 CLAMP
102 635 NUT
179 848 SCREW, hex-hd cap
103 321 WASHER, lock

2 618 159 C1 TUBE, inner

3 602 183 C1 SPACER
4 600 865 C1 PLATE
5 296 247 R1 "O" RING (.301 x .429 x .064") (2)
6 380 633 R1 CONNECTOR (2)
7 618 160 C1 TUBE, outer
2 753 005 R1 PRODUCT GRAPHIC, scarifier
control

NOTE 4 - Attachment no longer available.
Service parts will be furnished.

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

INSTRUMENTS

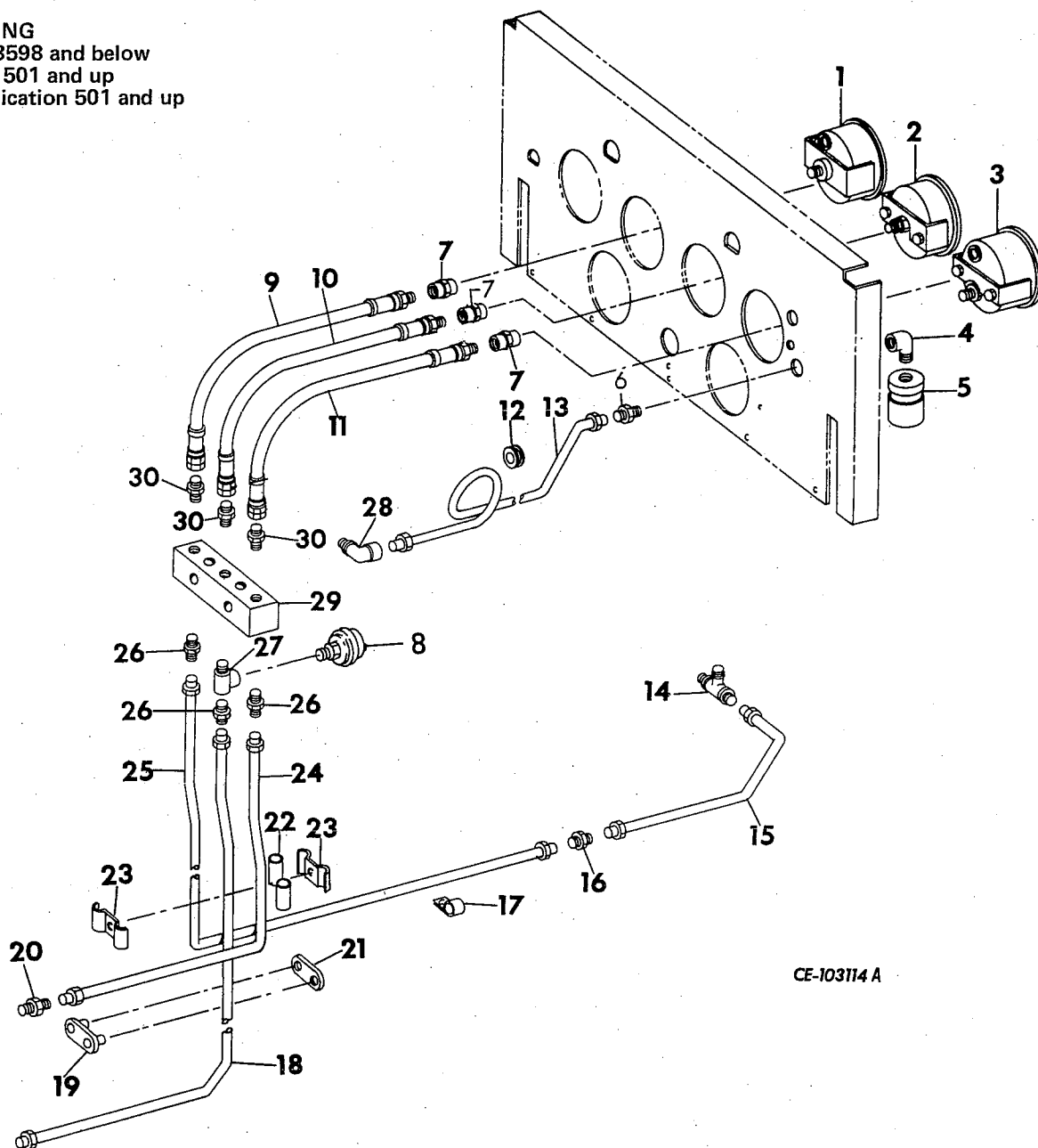
11

INSTRUMENTS

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

GAUGE PIPING

Power Shift 3598 and below
Manual Shift 501 and up
Custom Application 501 and up



1		GAUGE, clutch oil pressure (For Power Shift) (*)	7	444 094	CONNECTOR, gauge (2 for Manual Shift and Custom Applications) (3 for Power Shift)
2		GAUGE, engine oil pressure (*)	8	663 392 C1	SWITCH, engine oil pressure (external ground) (for use w/pressure switch ground cable) # and below
3		GAUGE, fuel oil pressure (*)	8	610 288 C92	SWITCH, engine oil pressure (internal ground) (not used w/pressure switch ground cable) # and up
4		ELBOW, filter indicator (*)			
5		INDICATOR, air cleaner filter (*)			
6	606 999 C1	CONNECTOR, filter indicator elbow			

- Serial Number not available.

(*) - Refer to "Instrument Panel and Gauges."

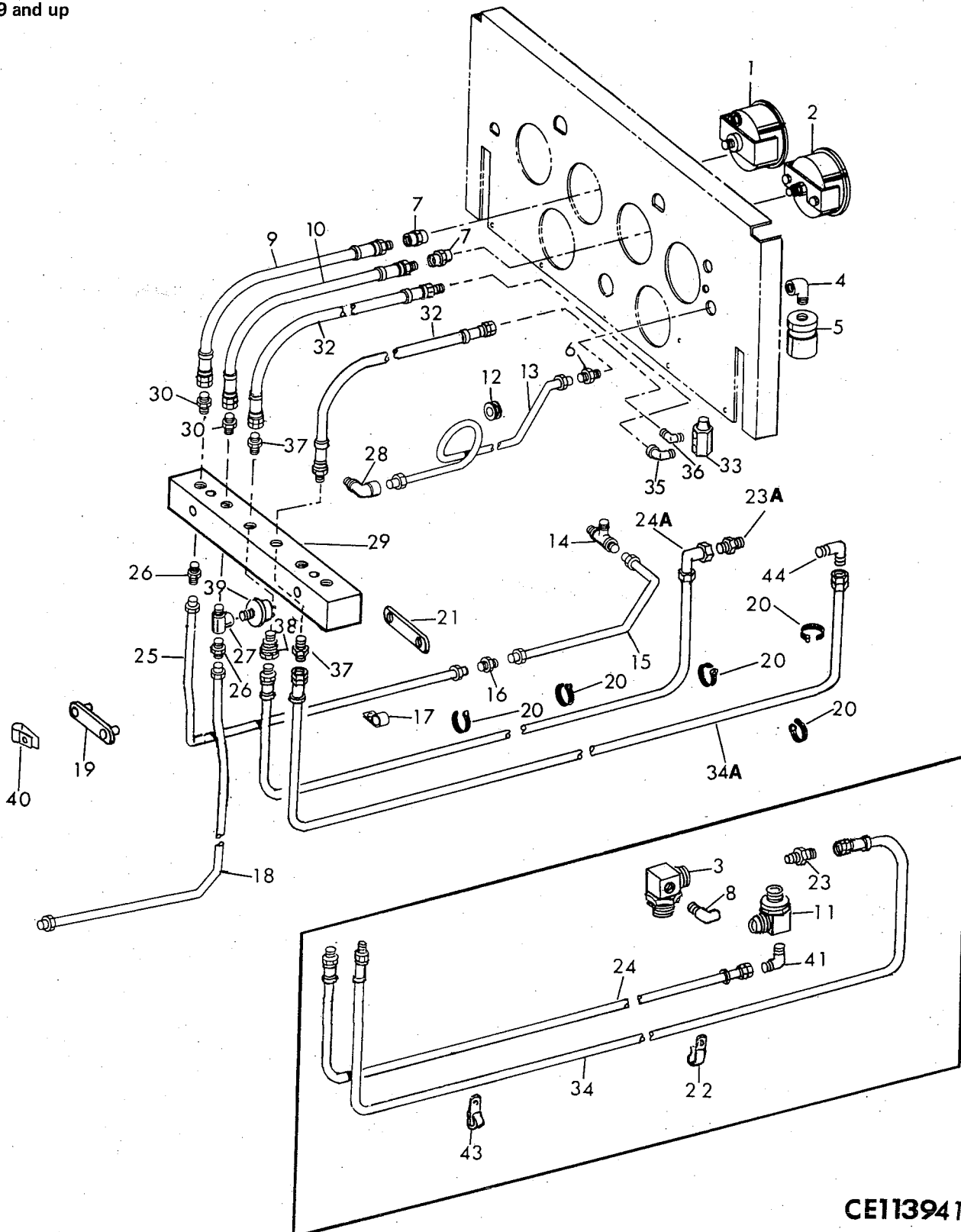
INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GAUGE PIPING — Continued Power Shift 3598 and below Manual Shift 501 and up Custom Application 501 and up			23	66 362 D	CLAMP, pressure gauge tube (2) (Manual Shift 800 and below) (Power Shift 2731 and below)
9	651 800 C1	HOSE w/FITTINGS, clutch oil pressure gauge to junction block (HOSE, 3/16" ID x 9-1/2" long including FITTINGS) (For Power Shift)		25 222 R1	SCREW, hex-hd cap
				115 109	WASHER, lock
				25 519 R1	NUT
10	651 800 C1	HOSE w/FITTING, engine oil pressure gauge to junction block (HOSE, 3/16" ID x 9-1/2" long including FITTINGS)	24	650 922 C91	TUBE w/two NUT, 915 499 R1, and two SLEEVE, 915 500 R1, fuel oil pressure gauge (Manual Shift 2800 and below) (Power Shift 2731 and below)
11	651 800 C1	HOSE w/FITTINGS, fuel oil pressure gauge to junction block (3/16" ID x 9-1/2" long including FITTINGS) (Manual Shift 2800 and below) (Power Shift 2731 and below)		915 499 R1	NUT, tube (2)
				915 500 R1	SLEEVE, tube (2)
12	617 259 C1	GROMMET (On dash support)	25	650 920 C91	TUBE w/two NUT, 915 499 R1, and two SLEEVE, 915 500 R1, clutch oil pressure upper (For Power Shift)
13	650 925 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner indicator		915 499 R1	NUT, tube (2)
	606 925 C1	NUT, tube (2)		915 500 R1	SLEEVE, tube (2)
	606 926 C1	SLEEVE, tube (2)	26	606 885 C1	CONNECTOR, tube to junction block (2 for Manual Shift and Custom Applications) (3 for Power Shift)
14	610 713 C1	TEE, clutch pressure (At test connection header block) (For Power Shift)	27	9 409 943	TEE, engine oil pressure switch
15	650 916 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure lower (For Power Shift)	28	610 040 C1	ELBOW, air cleaner indicator tube (At air cleaner)
	915 499 R1	NUT, tube (2)	29	334 445 R1	BLOCK, junction
	915 500 R1	SLEEVE, tube (2)		25 485 R1	SCREW, hex-hd cap (2)
				115 109	WASHER, lock (2)
16	606 049 C1	CONNECTOR, pressure tubes (For Power Shift)	30	9 402 680	CONNECTOR, hose to junction block (2 for Manual Shift and Custom Applications) (3 for Power Shift)
17	263 717 R1	CLIP, upper tube (On LH rear bolt of torque converter inspection cover) (For Power Shift)		702 093 C1	STRAP, TC hoses and capillary tube retaining (Power Shift)
18	650 918 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure gauge		636 780 C91	ATTACHMENT, pressure filter indicator (For Power Shift) (See NOTE.3)
	915 499 R1	NUT, tube (2)			(Consists of the following parts -
	915 500 R1	SLEEVE, tube (2)			1 BRACKET 715 765 C1
					2 CONNECTOR 9 402 706
					1 CLIP 362 666 R1
					1 CLIP 616 282 C1
					1 DRAWING CZG-3126
					2 ELBOW 666 280 C1
					2 ELBOW 9 402 862
					1 GROMMET 115 329 R1
					2 HOSE 715 766 C1
					1 INDICATOR 715 647 C1
					2 NUT 25 519 R1
					1 PRODUCT-
					GRAPHIC 715 896 C1
					2 SCREW 25 483 R1
					2 SCREW 26 673 R1
					6 STRAP 306 132 C1
					2 WASHER 115 109
					6 WASHER 25 551 R1
					2 WASHER 715 753 C1
19	278 834 R21	CLAMP w/two PIN, 19 387 R1, tube	NOTE 3: Field Application - Order through Regular Service Parts Channels.		
	19 387 R1	PIN, slotted spring (2)			
	25 483 R1	SCREW, hex-hd cap (2)			
	115 109	WASHER, lock (2)			
20	606 885 C1	CONNECTOR, fuel pressure gauge tube (Manual Shift 2800 and below) (Power Shift 2731 and below)			
21	278 836 R2	PAD, tube clamp			
22	341 660 R1	CUSHION, tube clamp (2) (Manual Shift 2800 and below) (Power Shift 2731 and below)			

INSTRUMENTS

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

GAUGE PIPING
Power Shift
3599 and up



CE113941A

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GAUGE PIPING — Continued			16	606 049 C1	CONNECTOR, pressure tubes
Power Shift			17	263 717 R1	CLIP, upper tube (On LH rear bolt of torque converter inspection cover)
3599 and up			18	650 918 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, engine oil pressure gauge
1		GAUGE, clutch oil pressure (*)		915 499 R1	NUT, tube (2)
2		GAUGE, engine oil pressure (*)		915 500 R1	SLEEVE, tube (2)
3		ELBOW, transmission pressure filter outlet (Refer to "TORQUE CONVERTER and TRANSMISSION PIPING, 4229 and below" # and below	19	278 834 R21	CLAMP w/two PIN, 19 387 R1, tube
4		ELBOW, filter indicator (*)		19 387 R1	PIN, slotted spring (2)
5		INDICATOR, air cleaner filter (*)		25 483 R1	SCREW, hex-hd cap (2)
6	606 999 C1	CONNECTOR, filter indicator elbow		115 109	WASHER, lock (2)
7	444 094	CONNECTOR, gauge (2)	20	306 132 C1	STRAP, indicator hose 3599 to 4229 (1) 4230 and up (5)
8	9 409 931	ELBOW, transmission pressure filter outlet 3599 to 3801	21	278 836 R2	PAD, tube clamp
9	651 800 C1	HOSE w/FITTINGS, clutch oil pressure gauge to junction block (HOSE, 3/16" ID x 9-1/2" long including FITTINGS) 4576 and below	22	616 282 C1	CLIP, hose (On rear mounting bolt on decelerator pedal mounting bracket) 3599 to 4229
9	736 129 C1	HOSE w/FITTINGS, clutch oil pressure gauge to junction block (3/16 ID x 11" long including FITTINGS) 4577 and up	23	317 783 R1	CONNECTOR (On outlet side of filter base) 3802 to 4229
10	651 800 C1	HOSE w/FITTING, engine oil pressure gauge to junction block (HOSE, 3/16" ID x 9-1/2" long including FITTINGS) 4576 and below	23A	317 783 R1	CONNECTOR (On high of filter base) 4230 and up
10	736 129 C1	HOSE w/FITTINGS, engine oil pressure gauge to junction block (3/16 ID x 11" long including FITTINGS) 4577 and up	24	715 756 C1	HOSE, w/FITTINGS, inlet on filter to junction block (3/16" ID x 57" long including FITTINGS)
11		ELBOW, transmission pressure filter inlet (Refer to "TORQUE CONVERTER and TRANSMISSION PIPING 4229 and below")	24A	653 527 C1	HOSE w/FITTINGS, high in filter base to junction block (3/16 ID x 93" long including FITTINGS) 4230 and up
12	617 259 C1	GROMMET (On dash support)	25	650 920 C91	TUBE w/two NUT, 915 499 R1, and two SLEEVE, 915 500 R1, clutch oil pressure upper
13	650 925 C91	TUBE w/two NUT, 606 925 C1 and two SLEEVE, 606 926 C1, air cleaner indicator		915 499 R1	NUT, tube (2)
	606 925 C1	NUT, tube (2)		915 500 R1	SLEEVE, tube (2)
	606 926 C1	SLEEVE, tube (2)	26	606 885 C1	CONNECTOR, tube to junction block (3)
14	610 713 C1	TEE, clutch pressure (At test connection header block)	27	9 409 943	TEE, engine oil pressure switch
15	650 916 C91	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1, clutch oil pressure lower		OR	
	915 499 R1	NUT, tube (2)		444 550	TEE, engine oil pressure switch
	915 500 R1	SLEEVE, tube (2)		OR	
				444 253	TEE, engine oil pressure to switch
			28	610 040 C1	ELBOW, air cleaner indicator tube (At air cleaner)
			29	275 131 R1	BLOCK, junction
				25 485 R1	SCREW, hex-hd cap (2)
				115 109	WASHER, lock (2)

(*) - Refer to "Instrument Panel and Gauges."

INSTRUMENTS

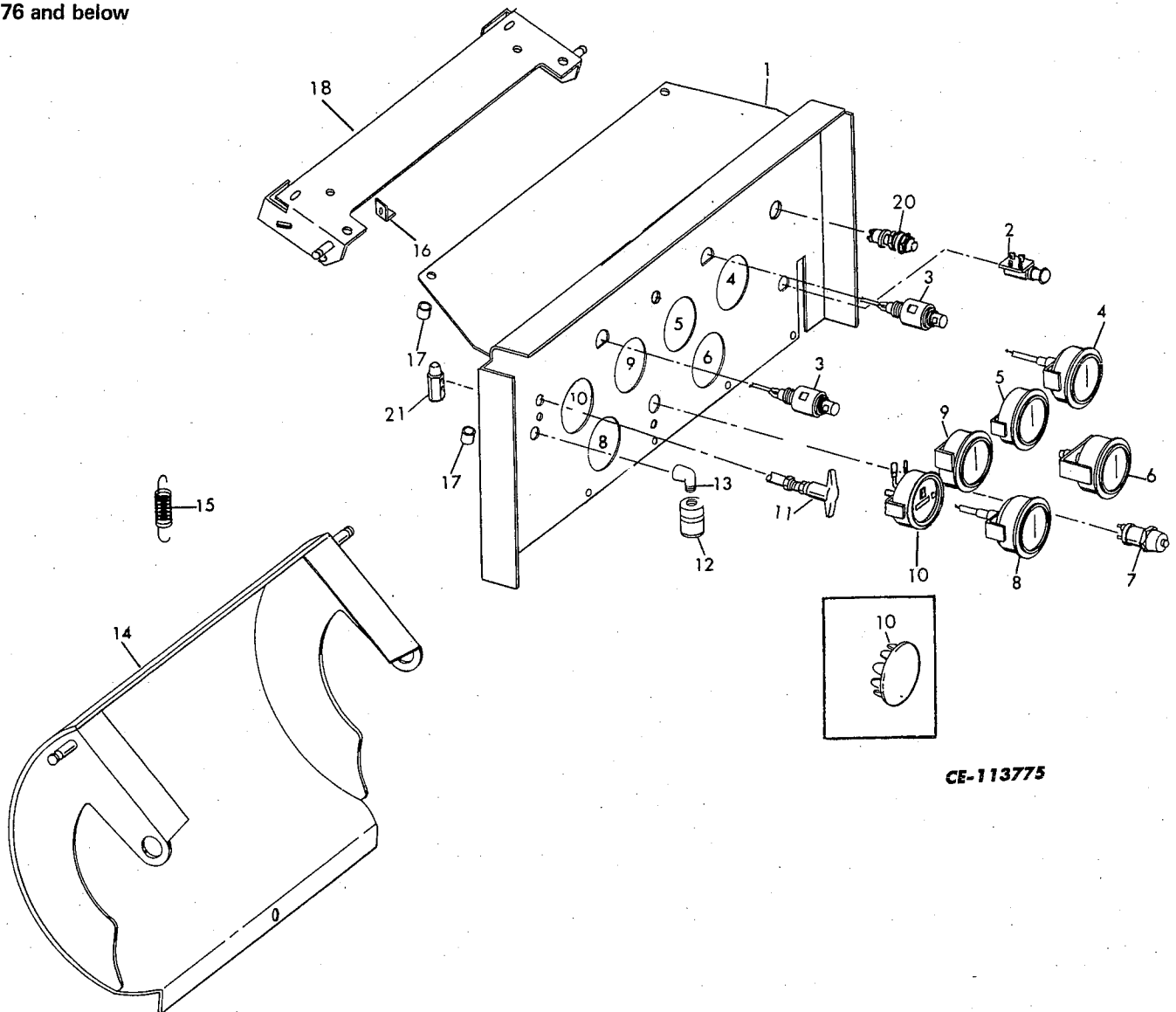
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GAUGE PIPING — Continued Power Shift 3599 and up			43	363 660 R1	CLIP, hose (On second bolt down on LH side of Torque Converter housing flange (2) 3599 to 4229
30	9 402 706	CONNECTOR, hose to junction block (3)	44	346 737 R1	ELBOW, filter head low pressure 4230 and up
31		FITTING, hose (Not furnished separately) (3)			
32	740 285 C1	HOSE, w/FITTINGS, transmission pressure filter indicator to junction block (3/16" ID x 11-1/2" long including FITTINGS) (2)	702 093 C1		STRAP, TC hoses and capillary tube retaining
33	715 647 C1	INDICATOR, transmission pressure filter	399 657 R1		CLIP, capillary mounting (On breather tube front mounting bolt)
	715 753 C1	WASHER, insulator	103 213 H		CLIP, capillary mounting (On center bolt of lube filter manifold)
	25 542 R1	WASHER, hardened	366 460 R1		CLIP (On top RH bolt of Torque Converter housing)
	26 673 R1	BOLT, torque (2)			
34	653 532 C1	HOSE, w/FITTINGS, outlet in filter base to junction block (3/16" ID x 66" long including FITTINGS) 3599 to 4229	263 514 R91		CLIP, temp. gauges (On top RH instrument support mounting bolt and mtg on operator sides)
34	715 756 C1	HOSE, w/FITTINGS, filter outlet elbow to junction block (3/16" ID x 57" long including FITTINGS) 3599 to 4229	300 920 R1		CLIP, capillary mounting (On RH side of bottom angle of dash support)
34A	732 496 C1	HOSE w/FITTINGS, low in filter base to junction block (3/16 ID x 102" long including FITTINGS) 4230 and up			
35	9 402 823	ELBOW, transmission pressure filter indicator (low)			
36	9 409 927	ELBOW, transmission pressure filter indicator (high)			
37	9 402 706	CONNECTOR (2)			
38	294 134 R1	ADAPTER			
39	663 392 C1	SWITCH, engine oil pressure (external ground) (for use w/pressure switch ground cable) # and below			
39	610 288 C92	SWITCH, engine oil pressure (internal ground) (not used w/pressure switch ground cable) # and up			
40	362 666 R1	CLIP, on instrument tubes clamp			
41	9 402 862	ELBOW, transmission pressure filter inlet 3599 to 4229			

- Serial Number Not Available.

INSTRUMENTS

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

INSTRUMENT PANEL AND GAUGES 4576 and below



1	650 548 C3	PANEL, instrument	6	651 688 C2	VOLTMETER (3387 and up, also 3386 and below equipped w/Cab)
2		SWITCH, lighting (Refer to "Lighting Switch")	6	702 284 C1	AMMETER (3386 and below not equipped w/Cab)
3		LAMP, instrument panel (Refer to "Electric Starting and Lighting") (2)	7		SWITCH, starting (Refer to "Starting Switch")
4	619 674 C91	GAUGE, torque converter oil temperature (For Power Shift)	8	702 222 C1	GAUGE, engine water temperature
4	432 577	PLUG (For Manual Shift and Custom Applications)	9	713 167 C1 OR	GAUGE, engine oil pressure
5	706 005 C1	GAUGE, clutch oil pressure (For Power Shift)	9	706 003 C1	GAUGE, engine oil pressure
5	432 577	PLUG (For Manual Shift)	10	663 407 C1	GAUGE, fuel oil pressure (Gear Drive 1800 and below) (Power Shift 1731 and below)

INSTRUMENTS

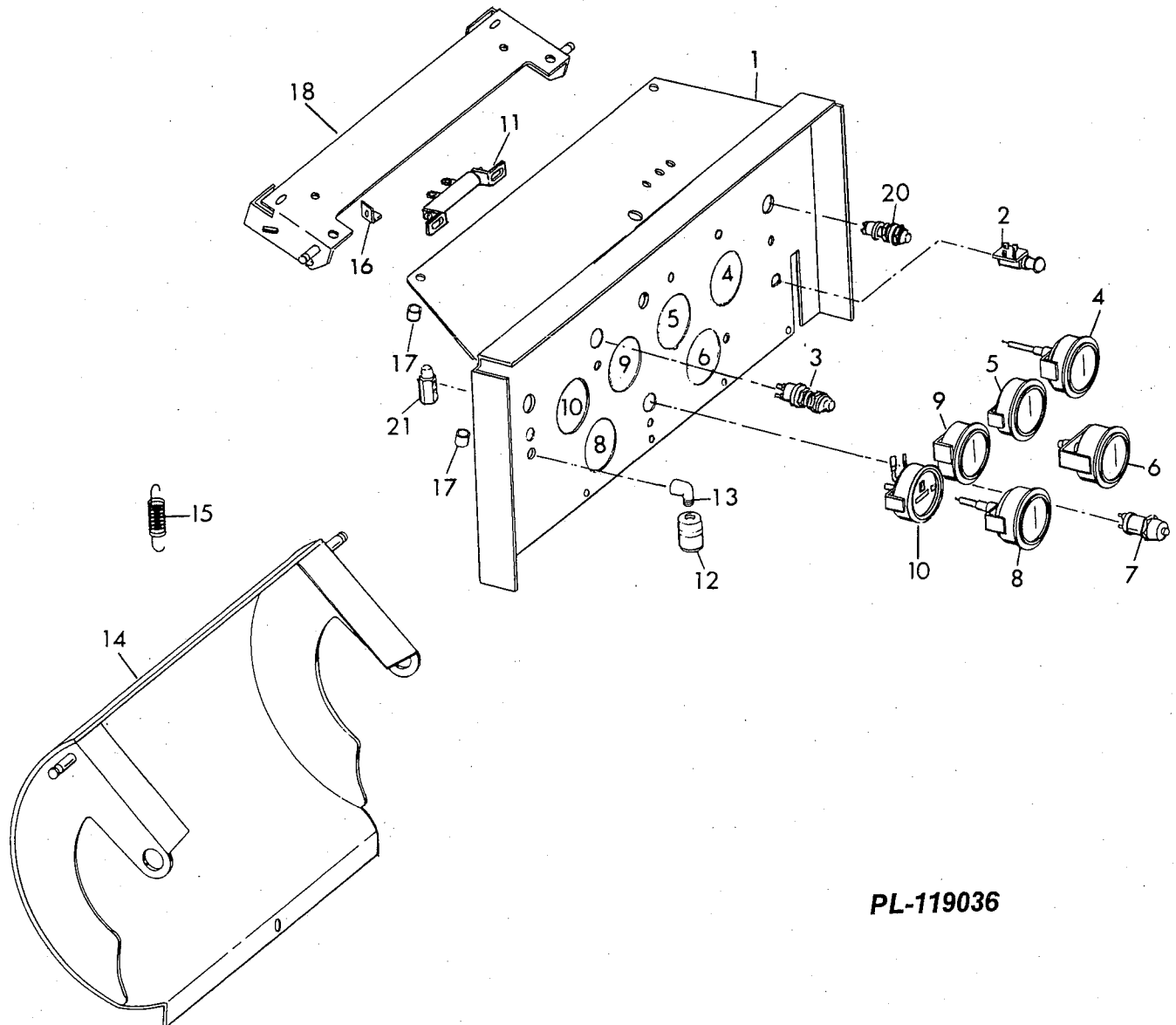
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENT PANEL AND GAUGES – Continued					
4576 and below					
10	142 016	PLUG, instrument panel (Gear Drive 2801 to 3336) (Power Drive 2732 to 3336)	432 498		PLUG, instrument panel button
	OR		OR		
10	432 453	PLUG, instrument panel (Gear Drive 2801 to 3336) (Power Drive 2732 to 3336)	142 142		PLUG, instrument panel button (3/8") (When not equipped w/ Manual Ether Injection)
10	709 145 C2	HOURLMETER	650 864 C1		PLUG, instrument panel button (When not equipped w/Electric Ether Injector)
	OR	3337 and up			# and up
10	715 916 C1	HOURLMETER	21	715 647	INDICATOR, transmission pressure filter
11		CABLE w/KNOB, ether injector control (Refer to "Ether Injector – Manual") (Part of Ether Injector Attachment)			3599 and up
		# and below			
12	366 078 C1	INDICATOR, air cleaner filter			
13	444 476	ELBOW, 90° filter indicator			
	21 872 R1	WASHER, flat			
14	650 553 C2	GUARD, instrument panel (Not used on machines equipped w/CAB)			
	25 526 R1	NUT (2)			
	26 316 R1	BOLT, patch (2)			
	25 536 R1	WASHER, hardened (2)			
15	651 524 C1	SPRING, instrument panel guard (Not used on machines equipped with CAB) (2)			
16	624 336 C1	STOP, instrument panel guard (Not used on machines equipped with CAB) (2)			
	24 840 R1	SCREW, hex-hd cap (2)			
	25 534 R1	WASHER, hardened (2)			
	178 551	WASHER, int-ext tooth lock (2)			
17	702 439 C1	MOUNTING, instrument panel vibration isolation (4)			
	25 519 R1	NUT (8)			
	115 109	WASHER, lock (8)			
	178 521	WASHER, int-ext tooth lock (8)			
18	650 621 C2	BRACKET, panel and guard mounting			
	26 316 R1	SCREW, hex-hd cap (6)			
	25 536 R1	WASHER, hardened (6)			
	25 526 R1	NUT (6)			
20		SWITCH, ether (Refer to "Ether Injector – Electric")			
		# and up			

- Serial Number Not Available

INSTRUMENTS

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

INSTRUMENT PANEL AND GAUGES 4577 and up



PL-119036

1	740 360 C1	PANEL, instrument	5	668 496 C1 OR	GAUGE, engine water temperature
2		SWITCH, lighting (Refer to "Lighting Switch")	5	713 170 C1	GAUGE, engine water temperature
3		SWITCH, electric horn (Refer to "Electric Starting and Lighting")	6	715 691 C1	VOLTMETER
4	668 499 C1	GAUGE, torque converter oil temperature (For Power Shift)	7		SWITCH, starting (Refer to "Starting Switch")
4	432 577	PLUG (For Manual Shift and Custom Applications)	8	713 167 C1 OR	GAUGE, engine oil pressure
			8	706 003 C1	GAUGE, engine oil pressure

INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENT PANEL AND GAUGES —Continued 4577 and up					
9	706 005 C1	GAUGE, clutch oil pressure (For Custom Applications)	650 864 C1		PLUG, instrument panel button (When not equipped w/Electric Ether Injector and Electric Horn) (2)
9	OR 715 668 C1	GAUGE, clutch oil pressure (For Custom Applications)	432 498		PLUG, instrument panel button
9	432 577	PLUG, (For Manual Shift)	OR 142 142		PLUG, instrument panel button (3/8") (When not equipped w/Manual Ether Injection)
10	709 145 C2	HOURLMETER	142 016		PLUG, button
11	740 273 C1	RESISTOR			
	110 633	NUT (2)			
	110 487	SCREW (2)			
	106 497	WASHER (2)			
12	366 078 C1	INDICATOR, air cleaner filter			
13	444 476	ELBOW, 90° filter indicator			
	21 872 R1	WASHER, flat			
14	650 553 C2	GUARD, instrument panel (Not used on machines equipped w/CAB			
	25 526 R1	NUT (2)			
	26 316 R1	BOLT, patch (2)			
	25 536 R1	WASHER, hardened (2)			
15	346 019 R1	SPRING, instrument panel guard (Not used on machines equipped w/CAB) (2)			
16	624 336 C1	STOP, instrument panel guard (Not used on machines equipped w/CAB) (2)			
	24 840 R1	SCREW, hex-hd cap (2)			
	25 534 R1	WASHER, hardened (2)			
	178 551	WASHER, int-ext. tooth lock (2)			
17	702 439 C1	MOUNTING, instrument panel vibration isolation (4)			
	25 519 R1	NUT (8)			
	115 109	WASHER, lock (8)			
	178 521	WASHER, int-ext tooth lock (8)			
18	650 621 C2	BRACKET, panel and guard mounting			
	24 861 R1	SCREW, hex-hd cap (6)			
	116 121	WASHER, lock (6)			
	25 536 R1	WASHER, hardened (6)			
	25 526 R1	NUT (6)			
20		SWITCH, ether (Refer to "Ether Injector - Electric")			
21	715 647	INDICATOR, transmission pressure			

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

POWER

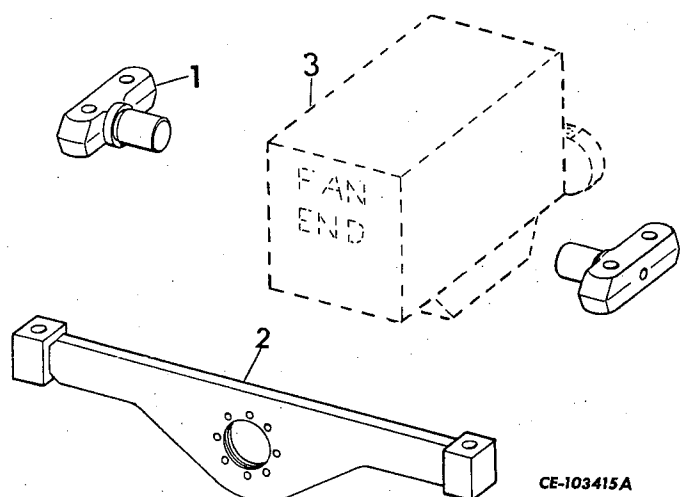
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NOTE: This section does not contain engine service parts. For a list of engine service parts refer to Parts Catalog EPC-400.

POWER

REF. NO.	PART NUMBER	DESCRIPTION

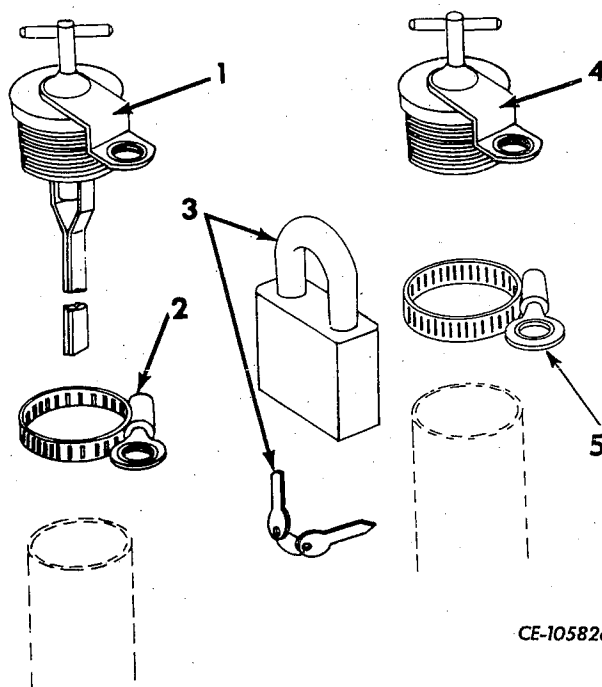
ENGINE MOUNTING



1	657 350 C1 24 893 R1 26 068 R1	SHAFT, trunnion mounting (2) SCREW, hex-hd cap (4) WASHER, flat (4)
2	651 046 C1 347 756 R1 24 894 R1 63 115 D 26 068 R1	SUPPORT, front engine 4292 and below SCREW, 3/8" hex-hd cap (2) SCREW, 3/4" hex-hd cap (2) WASHER, hardened (8) WASHER, .812 x 1.5 x .179" thick (2)
2		SUPPORT, front engine (Refer to Parts Catalog EPC-400B) 4293 and up
3		ENGINE (For service parts on DT-466 engine - refer to Parts Catalog EPC-400; For service parts on DT-466B engine - refer to Parts Catalog EPC-400B)

REF. NO.	PART NUMBER	DESCRIPTION

ENGINE OIL DIPSTICK AND FILLER CAP LOCK



A	636 795 C91	ATTACHMENT, engine oil level dipstick and oil filler cap lock (For use on 1-5/8" ID oil filler tube) (See NOTE 3)
B	632 161 C91	ATTACHMENT, engine oil level dipstick and oil filler cap lock (For use on 2" ID oil filler tube) (See NOTE 3) (Consists of -
1	683 131 C1	DIPSTICK, oil level
2	703 459 C1	CLAMP, oil level dipstick lock (Replaces 623 761 C1)
3	650 382 C91	PADLOCK w/KEYS (2)
4	688 090 C91	CAP, oil filler (A)
4	683 350 C91	CAP, oil filler (B)
5	688 091 C91	CLAMP, oil filler lock (A)
5	703 460 C1	CLAMP, oil filler lock (B)

NOTE 3 — Field Application - Order through Regular Parts Channels.

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CLEANER AND CONNECTIONS (Donaldson)					
1	627 936 C91	COVER ASSY w/GASKET, 630 691 C1, element	11	680 691 C2	TUBE, aspirator
2	630 691 C1	GASKET, cover seal		661 128 C2	SEAL, aspirator tube 3045 AND UP
3	634 859 C1	WING NUT, primary element (Replaces 412 078 C2)	12	279 027 R91	CLAMP, aspirator hose (2) 3044 AND BELOW
4	627 934 C1	ELEMENT, air cleaner primary	12	681 207 C1	CLAMP, aspirator hose 3045 AND UP
5	634 858 C1	LOCKNUT, safety element (Replaces WINGNUT 412 078 C1)	12A	27 337 R1	CLAMP, aspirator hose 3045 AND UP
	189 796	PIN, cotter (Not required when LOCKNUT 634 858 C1 is used to replace WINGNUT 412 078 C1)	13	680 528 C1	HOSE, aspirator (At precleaner) 3044 AND BELOW
6	627 935 C1	ELEMENT, air cleaner safety	13	686 792 C1	HOSE, aspirator 3045 AND UP
7		BODY (Not furnished separately)	14	690 068 C1	CLAMP, (Replaces, 683 402 C1) turbo-charger inlet hose (2)
8	674 433 C92	CLEANER ASSY., air	15	690 018 C1	HOSE, elbow to turbocharger inlet
	24 840 R1	SCREW, hex-hd cap (4)	16	673 784 C2	ELBOW, air cleaner outlet (Order the following parts —
	115 093	WASHER, lock (4)			1 BOLT 101 896 R1
9	653 243 C91	PRECLEANER, air			1 CLAMP 538 150 R1
9A	630 722 C91	PRECLEANER, hood			1 ELBOW 689 447 C1
10	681 797 C1	CLAMP, aspirator (At muffler)			1 EYE 675 455 C1
	25 522 R1	NUT			2 NUT 9 413 979
	140 483 H	SCREW, hex-hd cap			1 SUPPORT 690 176 C1
	115 093	WASHER, lock			3 WASHER 25 896 R1
11	681 799 C1	TUBE, aspirator (Order TUBE, 680 691 C2, HOSE, 686 792 C1 and (2) CLAMPS, 681 209 C1			1 WASHER 115 093
				24 842 R1	SCREW, hex-h cap
				115 093	WASHER, lock
				103 341	WASHER, flat

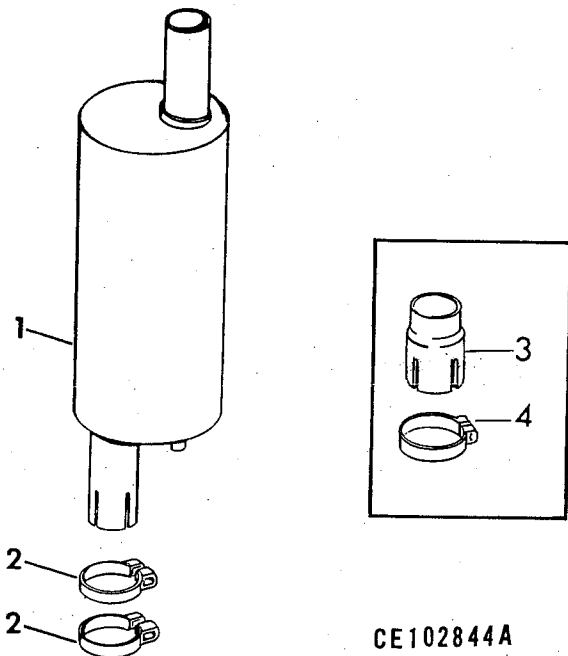
POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CLEANER AND CONNECTIONS —Continued (Donaldson)					
16A	689 447 C1	ELBOW, air cleaner outlet			
17	690 069 C1	CLAMP (Replaces, 23 179 C1) outlet hose (2)			
18	690 098 C1	HOSE, (Replaces, 334 129 R1) air cleaner outlet (At air cleaner)			
20	690 176 C1	SUPPORT, air outlet pipe (Used w/ ELBOW, 689 447 C1)			
21	538 150 R1	CLAMP, "U" bolt (Used w/ELBOW, 689 447 C1)			
	9 413 979	NUT (2)			
	25 896 R1	WASHER, hardened (2)			
22	675 455 C1	EYE, lifting			

POWER

REF. NO.	PART NUMBER	DESCRIPTION

EXHAUST SYSTEM

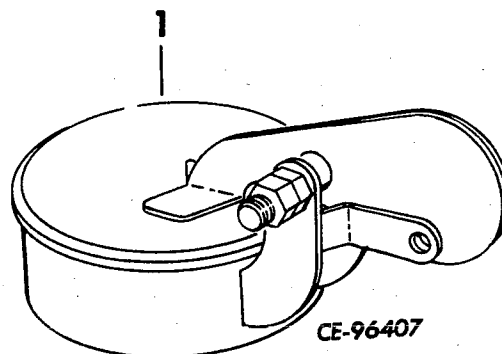


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1	680 690 C4	MUFFLER, exhaust
2	674 502 C1	CLAMP, exhaust muffler (2)
	25 522 R1	NUT (2)
	25 500 R1	SCREW, hex-hd cap (2)
	115 093	WASHER, lock (2)
	25 544 R1	WASHER, flat (4)
3	710 014 C2	PIPE, exhaust extension
4	649 563 C1	CLAMP, exhaust extension
	710 013 C91	ATTACHMENT, exhaust pipe extension (Machine must be equipped with AIR CONDITIONER-HEATER) (Also part of PACKAGE, 710 461 C91) (See NOTE 3) (Consists of PIPE, 710 014 C2 and CLAMP, 649 563 C1)

REF. NO.	PART NUMBER	DESCRIPTION

LOCKABLE EXHAUST RAIN CAP



	628 166 C91	ATTACHMENT, lockable exhaust rain cap (See NOTES 1 and 3) (Consists of -
1	650 429 C92	CAP, lockable exhaust rain

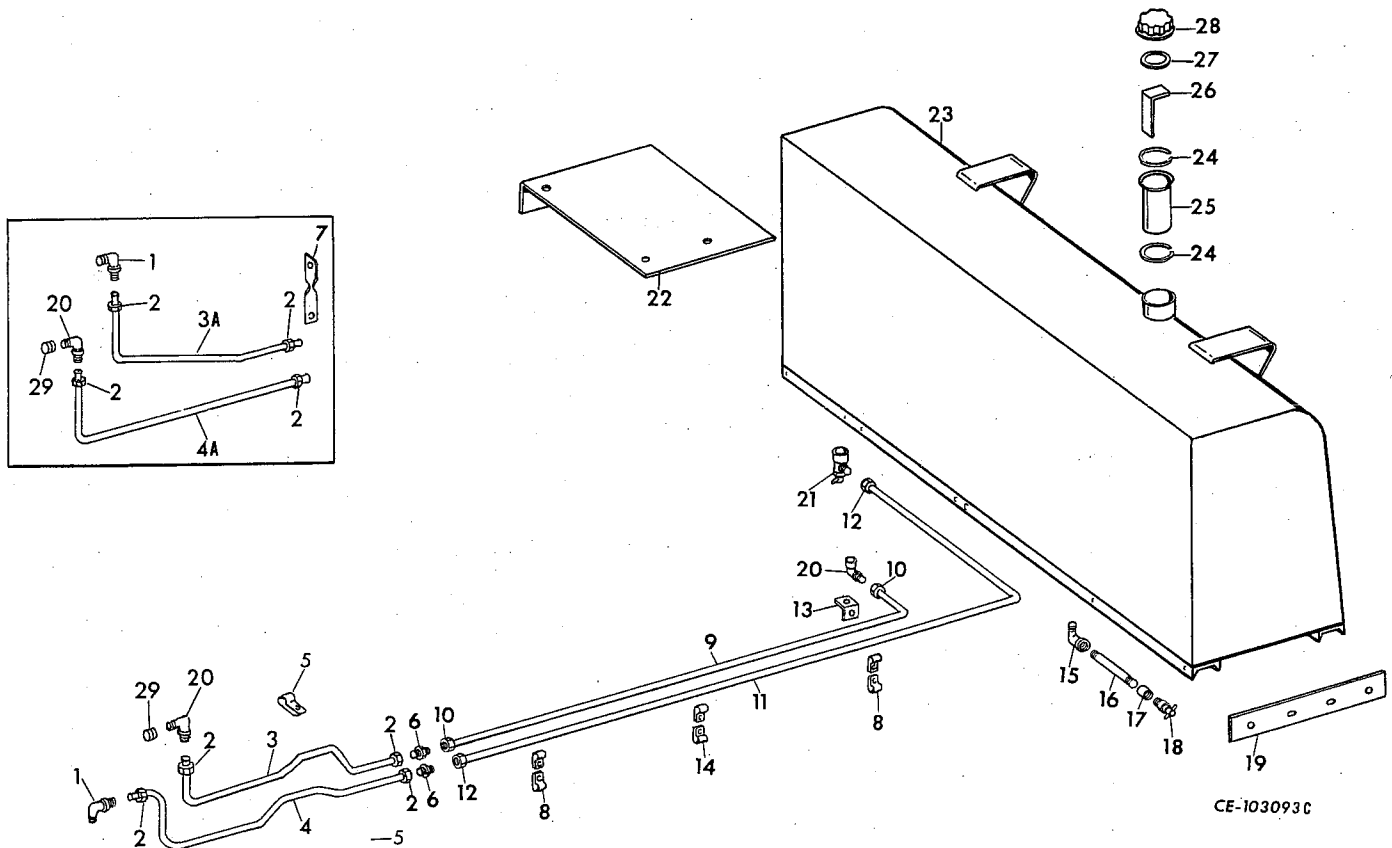
NOTE 1 - Factory Application - Order on Machine Order Form.

NOTE 3 - Field Application - Order through Regular Parts Channels.

POWER

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

FUEL TANK, FUEL PIPES AND RELATED PARTS



1	606 845 C1	ELBOW, supply tube front (At engine)	6	603 867 C1	UNION, fuel supply and return tubes (2)
2	265 205 R1 265 204 R1	NUT (4) SLEEVE (4)	7	651 267 C1	BRACKET, front fuel tube clip (Mount on platform support channel) (Used w/TUBES 651 405 C91 and 651 406 C91)
3	710 592 C91	TUBE, w/two NUT 265 205 R1 and two SLEEVE 265 204 R1, front fuel supply		25 522 R1 24 839 R1 115 093	NUT SCREW, hex-hd cap WASHER, lock
3A	651 405 C91	TUBE, w/two NUT 265 205 R1 and two SLEEVE 265 204 R1 front fuel supply (Order TUBE 710 592 C91 and two CLAMP 299 609 C1)	8	327 071 R1	CLIP, fuel tube (Order CLAMP 299 404 C1) (6)
4	710 590 C91	TUBE, w/two NUT 265 205 R1 and two SLEEVE 265 204 R1, front fuel return		25 522 R1 24 839 R1 115 093	NUT (3) BOLT (3) WASHER, lock (3)
4A	651 406 C91	TUBE, w/two NUT 265 205 R1 and two SLEEVE 265 204 R1, front fuel return (Order TUBE 710 590 C91 and two CLAMP 299 609 C1)	8	299 404 C1 25 522 R1 24 839 R1 115 093	CLAMP, fuel tube (4) NUT (2) BOLT (2) WASHER, lock (2)
5	299 609 C1	CLAMP, tube (Used w/TUBES 710 590 C91 and 710 592 C91) (2)	9	651 404 C91	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, fuel return

POWER

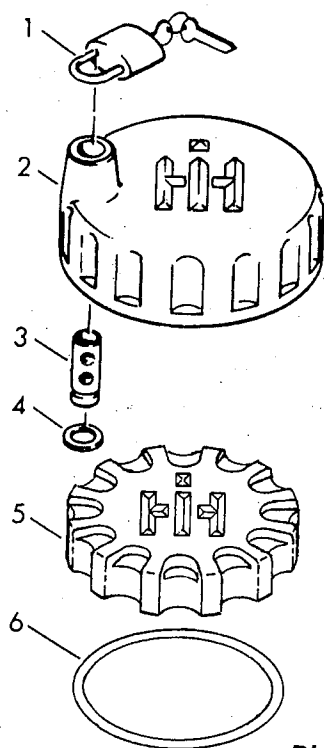
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK, FUEL PIPES AND RELATED PARTS - Continued					
10	265 205 R1 265 204 R1	NUT (2) SLEEVE (2)	23	628 412 C91	TANK, fuel (Custom Application) 1492 and below (Composed of - 1 CAP 701 922 C2 1 COVER 341 923 R1 1 DIPSTICK 611 409 C1 2 RING 317 943 R1 1 STRAINER 624 478 C1 § 1 TANK)
11	651 403 C91	TUBE w/two NUT, 265 205 R1, and two SLEEVE, 265 204 R1, rear fuel supply			
12	265 205 R1 265 204 R1	NUT (2) SLEEVE (2)	23	629 705 C92	TANK, fuel (Custom Application) 1493 and up (Composed of - 1 CAP 701 922 C2 1 DIPSTICK 611 409 C1 2 RING 317 943 R1 1 STRAINER 624 478 C1 § 1 TANK)
13	651 266 C1	BRACKET, fuel tube clip (Mount on planetary inspection cover)		25 530 R1	NUT (2)
14	327 071 R1	CLIP, fuel tube (For Power Shift) (2)		25 693 R1	SCREW, 2" long hex-hd cap (2)
15	454 104	ELBOW, fuel tank drain		25 844 R1	SCREW, 1-3/4" long hex-hd cap (6)
16	190 699	PIPE, fuel tank drain		25 549 R1	WASHER, hardened
17	187 396	COUPLING, tank drain valve		285 048 R1	SHIM, fuel tank mounting (x)
18	31 729 D	VALVE, drain	24	317 943 R1	RING, fuel strainer snap (2)
19	341 923 R1 24 839 R1 115 093 25 534 R1	COVER, LH fuel tank support 1492 and below SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)	25	624 478 C1	STRAINER, fuel
20	333 774 R1	ELBOW, fuel tube (2)	26	611 409 C1	STICK, fuel tank dip
21	650 443 C92	VALVE, fuel shut-off	27	618 688 C2	GASKET, fuel tank cap
22	334 753 R1 25 522 R1 24 840 R1 115 093 103 341	COVER, RH fuel tank support (For Manual Shift and Power Shift) (Not used w/Hydraulic Control Unit) NUT (3) SCREW, hex-hd cap (3) WASHER, lock (3) WASHER, flat (3)	28	701 922 C2	CAP w/GASKET, 618 688 C2, fuel tank
23	628 413 C91	TANK, fuel (Manual Shift and Power Shift) 1492 and below (Composed of - 1 CAP 701 922 C2 1 COVER 341 923 R1 1 DIPSTICK 611 409 C1 2 RING 317 943 R1 1 STRAINER 624 478 C1 § 1 TANK)	29	120 286	NIPPLE, pipe (At engine)
				104 937	CORK, No. 1 (Rear lamp bracket mounting bolt holes) (8)
23	629 704 C92	TANK, fuel (Manual Shift and Power Shift) 1493 and up (Composed of - 1 CAP 701 922 C2 1 DIPSTICK 611 409 C1 2 RING 317 943 R1 1 STRAINER 624 478 C1 § 1 TANK)			

§ - Not Furnished Separately.
(x) - As Required.

POWER

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

FUEL AND HYDRAULIC LOCKING CAP



PL-116433

628 156 C91 CAP, outer locking (Part of ATTACHMENT, 632 168 C91 and 636 797 C91)

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 AND CONNECTIONS" or "HYDRAULIC EQUIPMENT RESERVOIR")
6	309 056 R1	RING, retaining

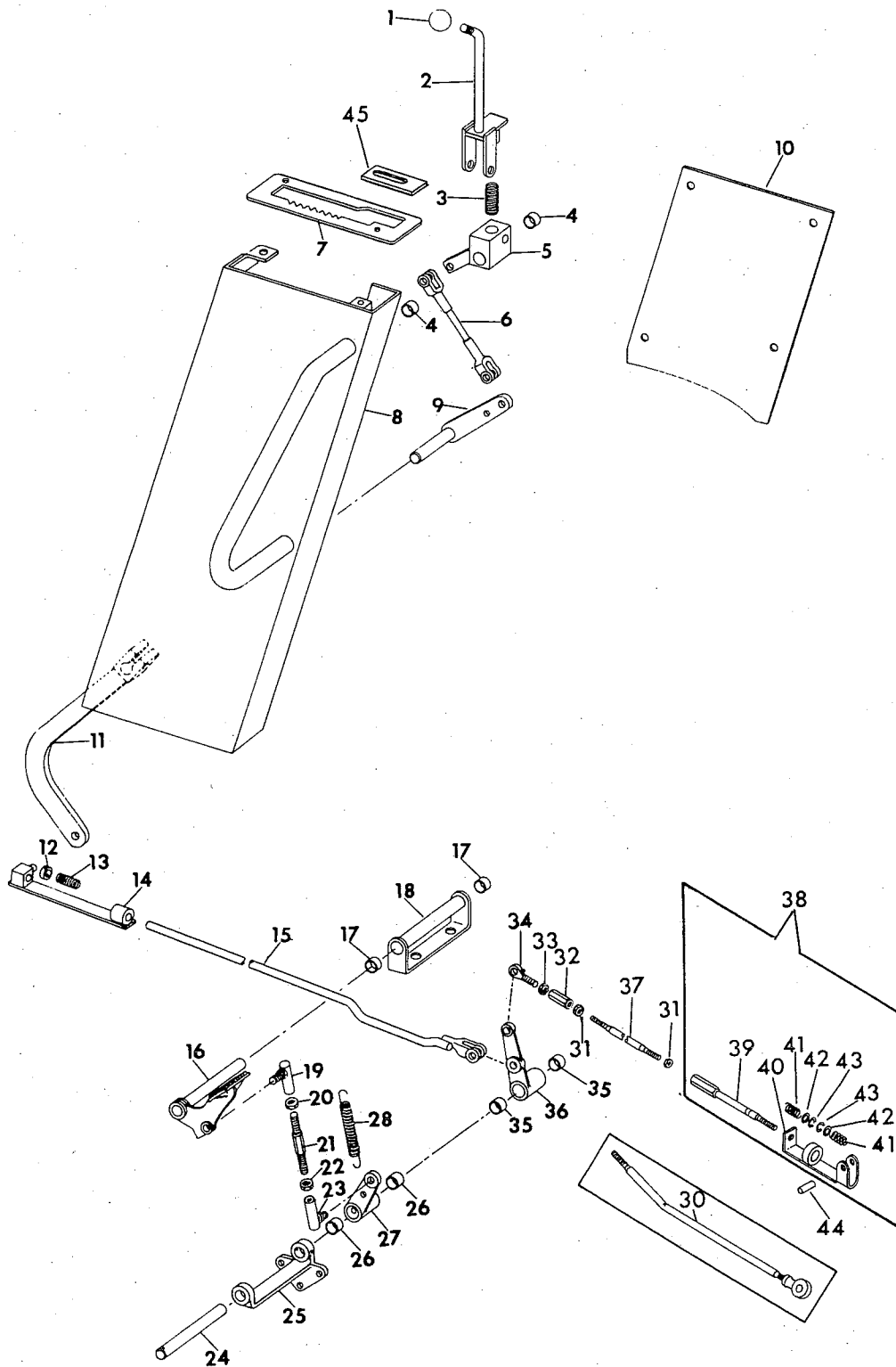
POWER

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

MEMORANDA

POWER

ENGINE CONTROLS (For Manual Shift and Custom Application)



CE103107B

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CONTROLS — Continued (For Manual Shift and Custom Application)			18	650 110 C92	SUPPORT w/two BUSHING, 327 465 R1, decelerator pedal
				24 840 R1	SCREW, hex-hd cap (2)
				115 093	WASHER, 3/8" lock (2)
				106 263	WASHER, 7/16" lock (2)
1	264 097 R2	KNOB, throttle control hand lever	19	702 131 C1	JOINT, decelerator rod upper
2	651 096 C1	LEVER, throttle control hand		25 527 R1	NUT
	88 924 H	PIN, rod end (Hand lever to throttle hub)		25 536 R1	WASHER, lock
	103 343	WASHER, flat	20	25 922 R1	NUT, jam
	108 630	PIN, cotter	21	651 081 C1	ROD, decelerator (Used w/DT-466 Engine)
3	382 306 R1	SPRING, hand lever tension	21	711 901 C1	ROD, decelerator (Used w/DT-466B Engine)
4	298 216 R1	BUSHING, hub pivot (2)	22	26 010 R1	NUT, jam (LH thread)
5	624 707 C91	HUB w/two BUSHING, 298 216 R1, throttle	23	653 873 C1	JOINT, decelerator rod lower
	103 346	WASHER, flat		125 996	NUT, (LH thread)
	269 181 R1	RING, external snap		103 323	WASHER, lock
6	651 099 C1	LINK, throttle	24	653 342 C1	SHAFT, lever pivot
	103 496	PIN, 3/8" (2)		553 686 R1	PIN, 3/16 x 1/2" roll
	103 373	PIN, 3/32" (2)	25	624 722 C1	BRACKET, governor control and decelerator lever
7	624 702 C3	GATE, throttle control guide (Replaces 651 083 C1)		25 536 R1	NUT (3)
	25 222 R1	SCREW, hex-hd cap (2)		24 862 R1	SCREW, hex-hd cap (3)
	115 109	WASHER, lock (2)		116 121	WASHER, lock (3)
	103 339	WASHER, flat (2)	26	298 216 R1	BUSHING, decelerator lever (2)
8	651 101 C1	TOWER, throttle control	27	628 230 C91	LEVER, w/two BUSHING, 298 216 R1 decelerator (Used w/DT-466 Engine)
	24 840 R1	SCREW, hex-hd cap (4)		120 613	NUT, jam
	25 534 R1	WASHER, flat (3)		12 496 R1	SCREW, oval point set
	115 093	WASHER, lock (4)		109 461	FITTING, decelerator lever lubrication
9	624 711 C2	LEVER w/SHAFT, pivot	27	733 100 C91	LEVER w/two BUSHING, 298 216 R1 decelerator (Used w/DT-466B Engine)
10	651 105 C1	PLATE, control tower side		120 613	NUT, jam
	26 099 R1	SCREW, hex-hd cap (4)		28 232 R1	SCREW, hex soc.
	115 093	WASHER, lock (4)		109 461	FITTING, decelerator lever lubrication
11	651 091 C1	LEVER, throttle (Manual Shift)	28	351 210 R1	SPRING, decelerator lever
11	651 093 C1	LEVER, throttle (Custom Application)	30	717 064 C1	ROD, governor control front (Used w/DT-466 Engine)(Replaces, 651 361 C2)
	124 549	KEY, Woodruff		25 931 R1	NUT (2)
	18 526 R1	NUT		115 109	WASHER, lock (2)
	24 851 R1	SCREW, hex-hd cap		709 153 C1	BOLT, shouldered (2)
12	331 150 R1	COLLAR, stop	31	25 931 R1	NUT (2 for ROD, 670 934 R1)
	142 507	PIN, groove	32	668 131 C2	TURNBUCKLE
	651 129 C1	SPACER, throttle lever	33	455 332	NUT, (LH thread)
13	661 865 C1	SPRING (Used w/DT-466 Engine)	34	706 099 C1	END, rear spherical bearing rod
13	712 033 C1	SPRING (Used w/DT-466B Engine)	35	298 216 R1	BUSHING (2)
14	318 581 R92	TRUNNION			
	103 498	PIN, 1/2" rod end			
	103 385	PIN, 1/8" cotter (2)			
	103 343	WASHER, flat			
	114 496	NUT, jam			
15	651 065 C1	ROD, rear governor control			
16	651 060 C2	PEDAL, decelerator foot			
	324 653 R1	RING, pedal snap			
	355 476 R1	WASHER, pedal			
17	327 465 R1	BUSHING, decelerator pedal pivot (2)			

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CONTROLS — Continued (For Manual Shift and Custom Application)					
36	628 232 C92	LEVER w/two BUSHING, 298 216 R1, governor control throttle	629 458 C91	ATTACHMENT, decelerator (For Manual Shift and Custom Application) (See NOTE 3) 4292 and below (Consists of -	
	109 461	FITTING, throttle lever lubrication		1 FITTING	109 461
37	733 098 C1	ROD, governor control front (Used w/DT-466B Engine)		1 JOINT	653 873 C1
	25 485 R1	BOLT, 1-1/4" long		1 JOINT	702 131 C1
	25 483 R1	BOLT, 1" long		1 LEVER	628 230 C91
	25 519 R1	NUT		1 PEDAL	651 060 C2
38	670 933 C91	TRUNNION ASSY., (Used w/DT-466B Engine) (Composed of -		1 PLATFORM	651 088 C1
		2 RING 23 697 R1		1 ROD	651 081 C1
		1 ROD 670 934 R1		1 SPRING	351 210 R1
		2 SPRING 690 535 C1		1 SUPPORT	650 110 C92)
		1 TRUNNION 670 936 C1	679 227 C91	ATTACHMENT, decelerator (For Custom Application) (See NOTE 3) 4293 and up (Consists of -	
		2 WASHER 103 340)		1 JOINT	653 873 C1
39	670 934 C1	ROD ASSY., trunnion (Used w/DT- 466B Engine)		1 JOINT	702 131 C1
40	670 936 C1	TRUNNION (Used w/DT-466B Engine)		1 LEVER	733 100 C91
41	690 535 C1	SPRING, governor control (Used w/ DT-466B Engine) (2)		1 PEDAL	651 060 C2
42	103 340	WASHER, plain (Used w/DT-466B Engine) (2)		1 PLATFORM	651 081 C1
43	23 697 R1	RING, retaining (Used w/DT-466B Engine) (2)		1 RING	324 653 R1
44	685 189 C1	SLEEVE, throttle linkage (Used w/ DT-466B Engine)		1 ROD	711 901 C1
45	733 099 C1	PLATE, idle stop		1 SPRING	351 210 R1
	25 483 R1	BOLT (3)		1 SUPPORT	650 110 C92)
	25 532 R1	WASHER, flat (3)			
	120 380	WASHER, lock (3)			

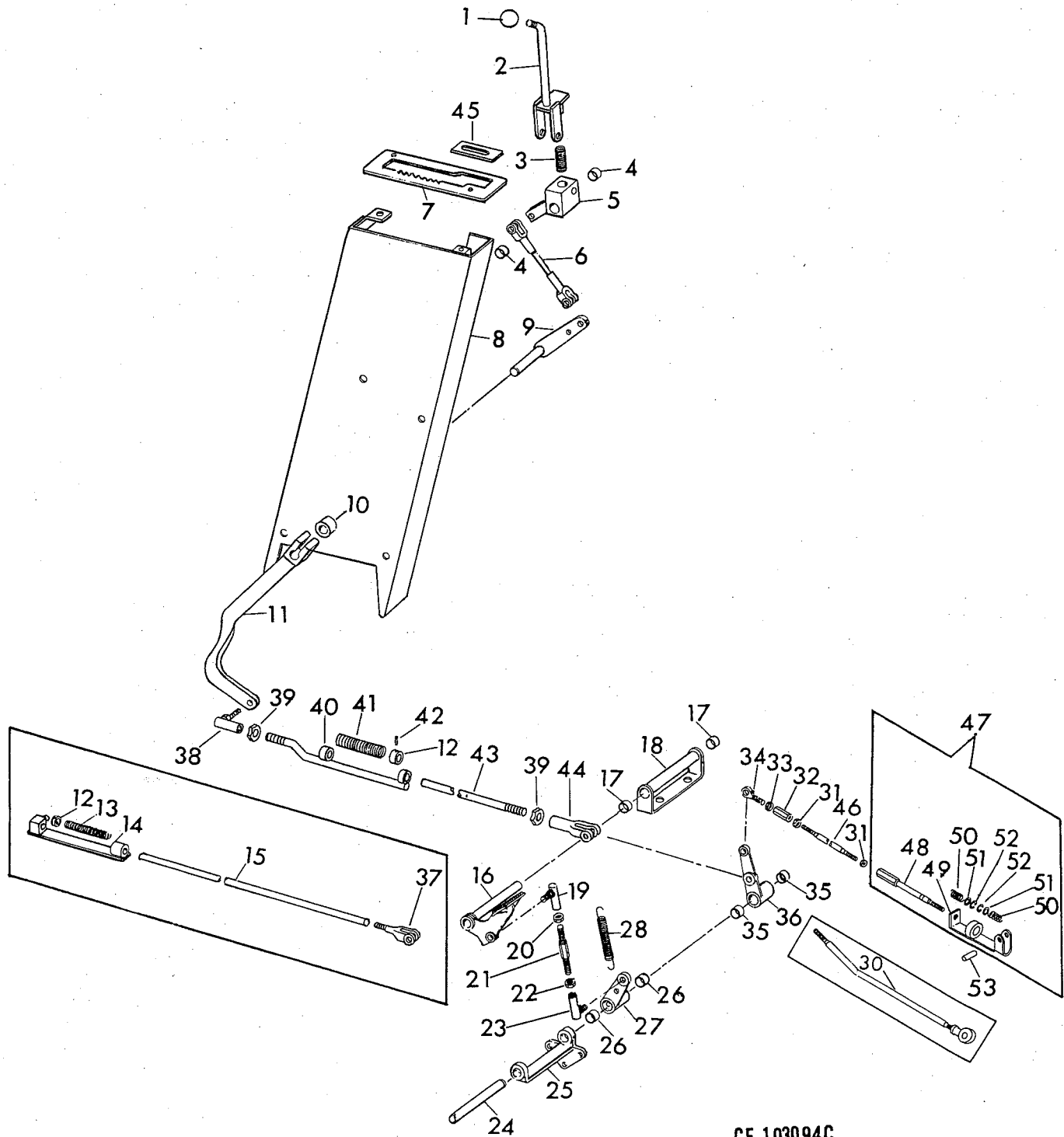
NOTE 3: Field Application - Order through
Regular Parts Channels.

POWER

MEMORANDA

POWER

ENGINE CONTROLS (For Power Shift)



CE 103094C

POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CONTROLS — Continued (For Power Shi ft)					1 SPRING 710 809 C1 1 STOP 331 150 R1)
1	264 097 R2	KNOB, throttle control hand lever	16	651 060 C2 324 653 R1 355 476 R1	PEDAL, decelerator foot RING, pedal snap WASHER, pedal
2	624 703 C1 88 924 H 103 343 108 630	LEVER, throttle control hand PIN, rod end (Hand lever to throttle hub) WASHER, flat PIN, cotter	17	327 465 R1	BUSHING, decelerator pedal pivot (2)
3	382 306 R1	SPRING, hand lever tension	18	650 110 C92 24 840 R1 115 093 106 263	SUPPORT w/two BUSHING 327 465 R1, decelerator pedal SCREW, hex-hd cap (2) WASHER, 3/8" lock (2) WASHER, 7/16" lock (2)
4	298 216 R1	BUSHING, hub pivot (2)	19	702 131 C1 25 527 R1 25 536 R1	JOINT, decelerator rod upper NUT WASHER, hardened
5	624 707 C91 103 346 269 181 R1	HUB w/two BUSHING, 298 216 R1, throttle WASHER, flat RING, external snap	20	25 922 R1	NUT, jam
6	651 099 C1 103 496 103 373	LINK, throttle PIN, 3/8" (2) PIN, 3/32" (2)	21	651 081 C1	ROD, decelerator (Used w/DT-466 engine)
7	624 702 C3 26 094 R1 115 109 103 339	GATE, throttle control guide (Replaces 651 083 C1) SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)	21	711 901 C1	ROD, decelerator (Used w/DT-466B Engine)
8	628 231 C92 24 839 R1 115 093 25 534 R1	TOWER w/two BUSHING, 298 216 R1, throttle control SCREW, 3/8" hex-hd cap (3) WASHER, 3/8" lock (3) WASHER, flat (3)	22	26 010 R1	NUT, jam (LH thread)
9	624 711 C2	LEVER w/SHAFT, pivot	23	653 873 C1 25 527 R1 25 536 R1	JOINT, decelerator rod lower NUT, (LH thread) WASHER, hardened
10	298 216 R1	BUSHING, pivot lever (2)	24	653 342 C1 553 686 R1	SHAFT, lever pivot PIN, roll
11	651 091 C1 124 549 18 526 R1 24 851 R1	LEVER, throttle KEY, Woodruff NUT, nylok SCREW, hex-hd cap	25	624 722 C1 25 536 R1 24 862 R1 116 121	BRACKET, governor control and decelerator lever NUT (3) SCREW, hex-hd cap (3) WASHER, lock (3)
12	331 150 R1 364 437 R1 651 129 C1	COLLAR, stop PIN, spring SPACER, throttle lever	26	298 216 R1	BUSHING, decelerator lever (2)
13	661 865 C1	SPRING (Used w/TRUNNION, 318 581 R92)	27	628 230 C91 120 613 12 496 R1 109 461	LEVER w/two BUSHING, 298 216 R1, decelerator (Used w/DT-466 Engine) NUT, jam SCREW, oval point set FITTING, decelerator lever lubrication
14	318 581 R92 103 498 103 385 103 343 114 496	TRUNNION (Used w/ROD, 668 464 C1) PIN, 1/2" rod end PIN, 1/8" cotter (2) WASHER (pin) NUT, jam	27	733 100 C91 120 613 28 232 R1 109 461	LEVER w/two BUSHING, 298 216 R1 decelerator (Used w/DT-466B Engine) NUT, jam SCREW, hex soc. FITTING, decelerator lever lubri- cation
15	668 464 C1	ROD, rear governor control (Together with NUT, 25 922 R1 and CLEVIS 116 538, will work for ROD, 651 064 C1) (Order the following parts — 1 BODY 712 039 C1 1 CLEVIS 104 039 1 JOINT 702 131 C1 2 NUT 114 496 1 PIN 364 437 R1 1 ROD 712 036 C1	28	351 210 R1	SPRING, decelerator lever
			30	717 064 C91 25 519 R1 115 109 709 153 C1	ROD, governor control front (Used w/ DT-466 Engine)(Replaces 651 361 C2) NUT (2) WASHER, lock (2) BOLT, shouldered (2)

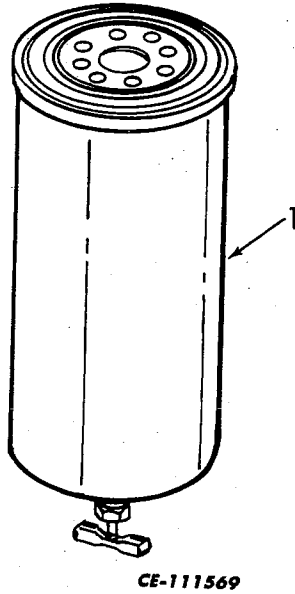
POWER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE CONTROLS — Continued (For Power Shift)			48	670 934 C1	ROD ASSY., trunnion (Used w/DT-466B Engine)
31	25 931 R1	NUT (2 for ROD, 670 934 R1)	49	670 936 C1 709 153 C1 25 519 R1	TRUNNION (Used w/DT-466B Engine) BOLT, shouldered NUT
32	668 131 C1	TURNBUCKLE	50	690 535 C1	SPRING, governor control (Used w/DT-466B Engine) (2)
33	455 332	NUT (LH thread)	51	103 340	WASHER, plain (Used w/DT-466B Engine) (2)
34	651 084 C1	END, rear spherical bearing rod	52	23 697 R1	RING, retaining (Used w/DT-466B Engine) (2)
35	298 216 R1	BUSHING (2)	53	685 189 C1	SLEEVE, throttle linkage (Used w/DT-466B Engine)
36	628 232 C92 109 461	LEVER w/two BUSHING, 298 216 R1, governor control throttle FITTING, throttle lever lubrication			
37	116 538 25 922 R1 or 114 496	CLEVIS, adjustable (Used with ROD, 668 464 C1) NUT, NF jam NUT, NF jam			
38	702 131 C1	JOINT, ball			
39	114 496	NUT, jam (2)			
40	712 039 C1	BODY, over-ride rod			
41	710 809 C1	SPRING (Used w/BODY, 712 039 C1)			
42	364 437 R1	PIN, spring			
43	712 036 C1	ROD, over-ride (Used w/BODY, 712 039 C1)			
44	104 039	CLEVIS, adj. rod end (Used W/ROD, 712 036 C1)			
45	733 099 C1 25 483 R1 25 532 R1 120 380	PLATE, idle stop BOLT 93) WASHER, flat (3) WASHER, lock (3)			
46	733 098 C1 25 485 R1 25 483 R1 25 519 R1	ROD, governor control front (Used w/ DT466B Engine) BOLT, 1-1/4" long BOLT, 1" long NUT			
47	670 933 C1	TRUNNION ASSY., (Used w/DT-466B Engine) (Consists of — 2 RING 23 697 R1 1 ROD 670 934 R1 2 SPRING 690 535 R1 1 TRUNNION 670 936 C 2 WASHER 103 340)			

POWER

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

WATER SEPARATOR



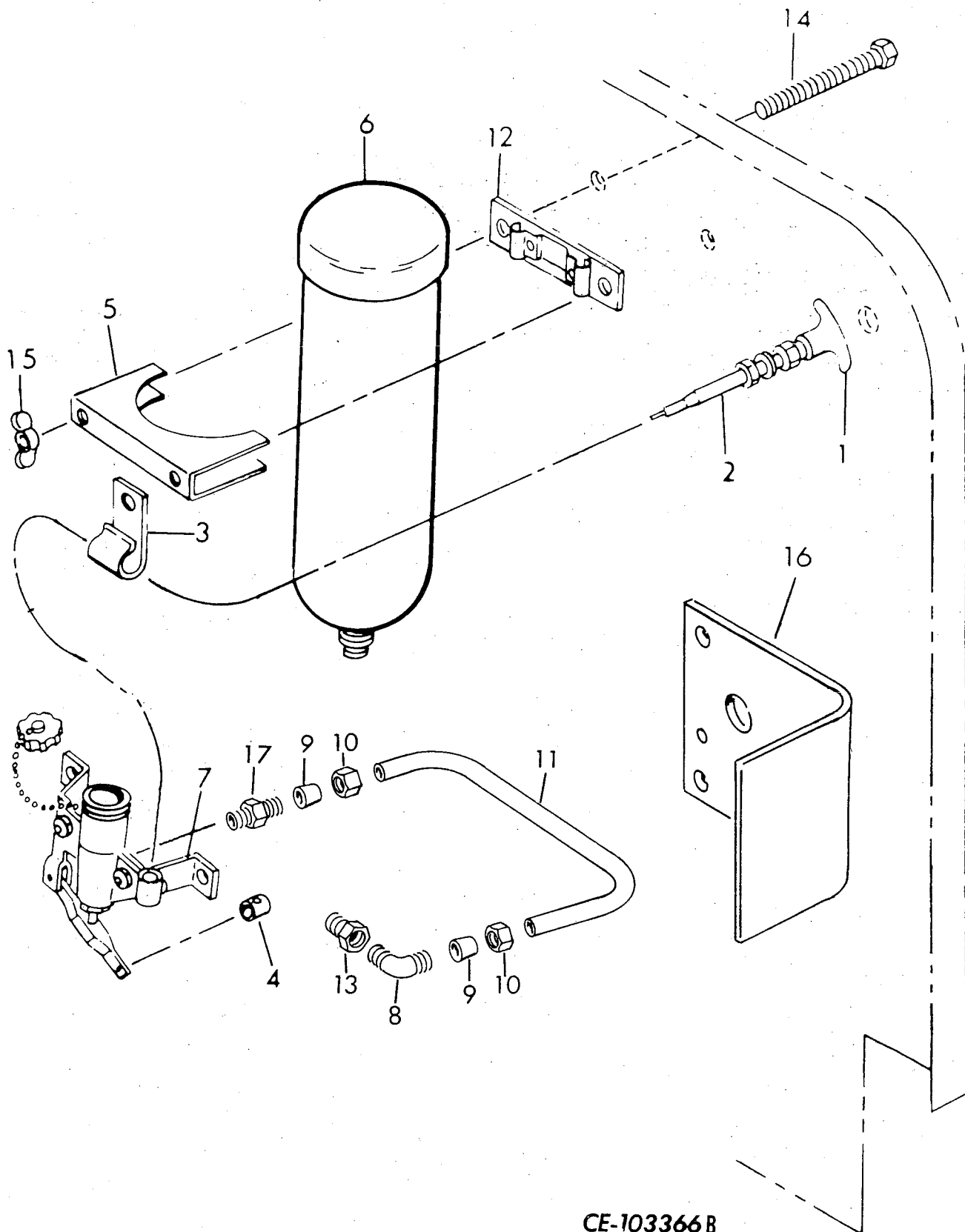
629 493 C91 ATTACHMENT, water separator
(See NOTE 3)

1 702 255 C1 FILTER

NOTE 3: Field Application - Order through
Regular Service Parts Channels.

POWER

ETHER INJECTOR — MANUAL
3629 and below
(Not For Low Ground Pressure)



CE-103366B

POWER

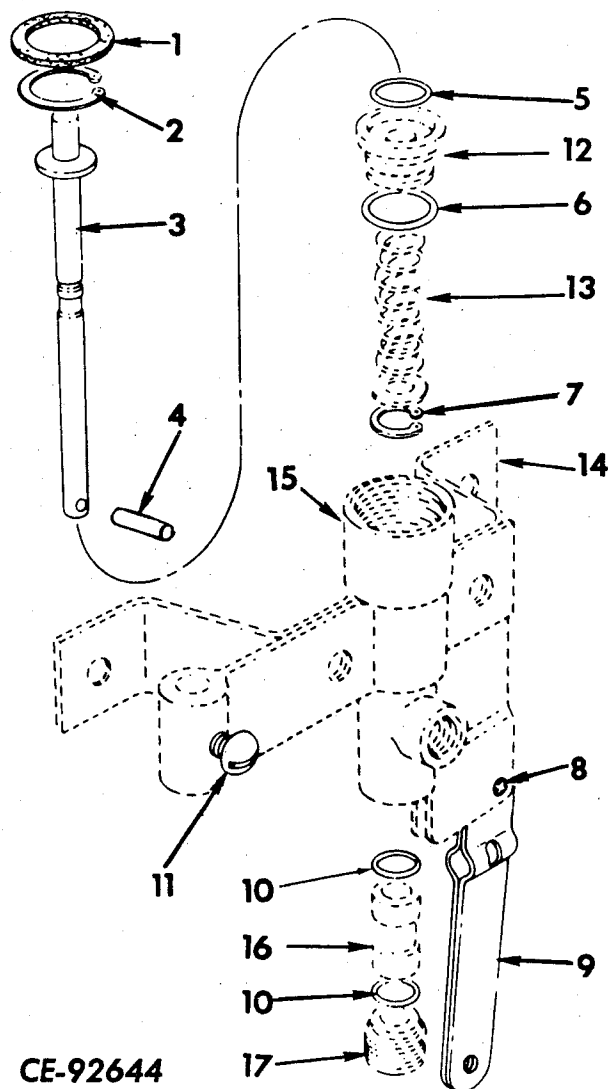
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ETHER INJECTOR — MANUAL — Continued					
3629 and below					
(Not For Low Ground Pressure)					
	629 483 C91	ATTACHMENT, ether injector (See NOTE 3) (Consists of the following parts -			
1		KNOB (Not furnished separately)			
2	650 650 C1	CABLE w/KNOB, ether injector control			
3	384 559 R1	CLIP, control cable			
4	288 219 C1 436 748	STOP, control cable SCREW, pan-slt-hd cap			
5	215 331 R1 116 120	CLAMP, cylinder WASHER, lock (2)			
6		CYLINDER, starting fluid (Pressurized) (Not furnished as part of Attachment. Order Part No. LP-535-1 from: Turner Corporation, 821 Park Avenue, Sycamore, Illinois, 60178)			
7		VALVE ASSY., ether starting (Refer to "Ether Starting Valve")			
8	140 303	ELBOW			
9	121 322	SLEEVE, ball (2)			
10	121 220	NUT, ball sleeve tube (2)			
11	650 915 C1	TUBE, ether			
12	398 305 C1 25 520 R1 116 120 103 340 303 890 C1 22 859 R1	CLAMP, saddle NUT (2) WASHER, 5/16" lock (2) WASHER, 11/32" flat (2) WASHER, clamp WASHER, 5/16" flat			
13	269 635 R91	NOZZLE (In intake manifold)			
14	650 166 C1	SCREW, hex-hd cap (2)			
15	103 128	NUT, wing (2)			
16	650 649 C1 24 840 R1 115 093 25 522 R1	SHIELD, heat SCREW, hex-hd cap (2) WASHER, lock (2) NUT (2)			
17	140 284	CONNECTOR, ether tube			
	622 751 C1 120 386	PLATE, ether name WASHER, flat			
	2 754 455 R1	PRODUCT GRAPHIC, ether injector			
	1 085 597 R1	PAMPHLET, installation instruction			

NOTE 3: Field Application - Order Stet through
Regular Service Parts Channels.

POWER

REF. NO.	PART NUMBER	DESCRIPTION

ETHER STARTING VALVE – MANUAL 3629 and below (Not For Low Ground Pressure)



CE-92644

REF. NO.	PART NUMBER	DESCRIPTION

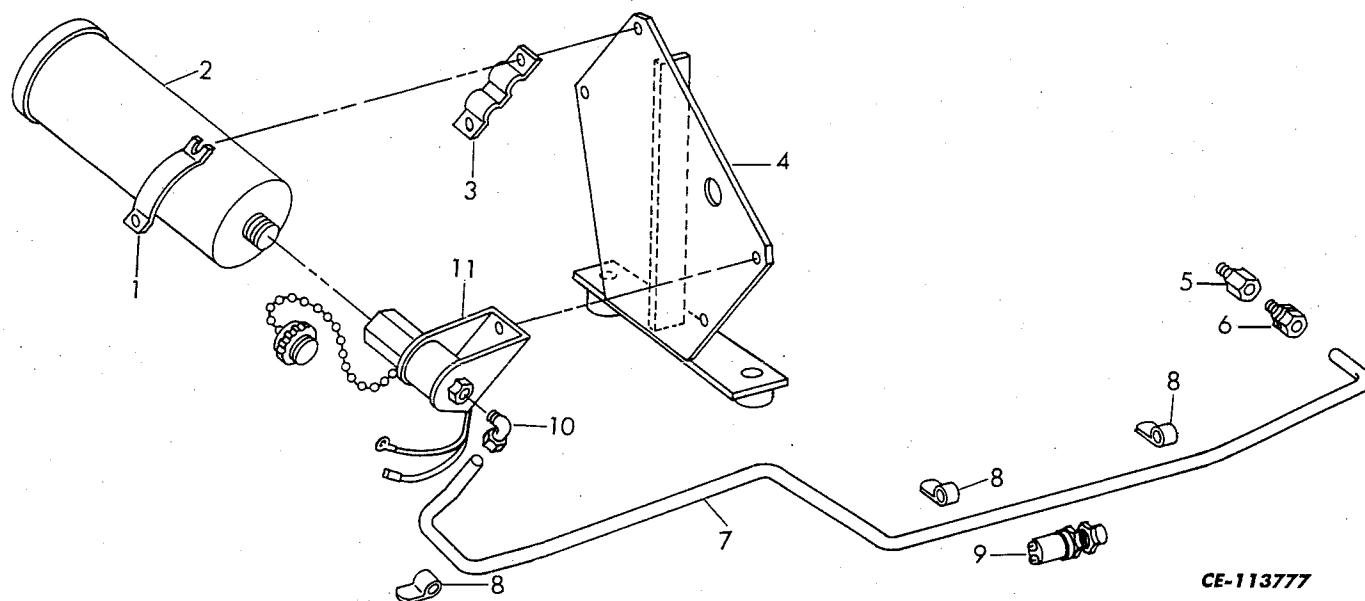
408 076 C91	VALVE ASSY., ether starting
25 519 R1	NUT (2)
25 485 R1	SCREW, hex-hd cap (2)
115 109	WASHER, lock (2)
22 859 R1	WASHER, flat
	(Consists of -

1	256 049 C1	GASKET, valve
2	374 790 R1	RING, snap
3	256 401 C91	ROD, push valve
4	17 164 R1	PIN, roll
5	256 403 C1	"O" RING (1/4 x 3/8 x 1/16")
6	256 402 C1	"O" RING, seal
7	268 552 R1	RING, snap
8	442 929	PIN, hinge
9	257 796 C91	LEVER, valve control
10	256 404 C1	"O" RING, seal (2)
11		SCREW, rd-hd-slt mach.
12		CAP, valve (Not furnished separately)
13		SPRING, valve (Not furnished separately)
14		BRACKET, valve (Not furnished separately)
15		BODY, valve (Not furnished separately)
16		PLUNGER, valve (Not furnished separately)
17		CAP, valve (Not furnished separately)

POWER

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

ETHER INJECTOR — ELECTRIC 3630 and up



	706 437 C91	ATTACHMENT, electric ether injector (See NOTE 3) (Consists of the following parts except Ref. 2 —	7	685 786 C1	TUBE, ether injector
1	672 593 C1 144 239 116 120 27 326 R1	CLAMP, ether cylinder NUT, wing (2) WASHER, lock (2) WASHER, hardened (2)	8	266 306 C1 26 311 R1 25 896 R1	CLAMP, tube (2) BOLT (2) WASHER (2)
2		CYLINDER, ether (Not furnished with attachment) (Order No. LP535-1 from Turner Corp., 821 Park Ave., Sycamore, Illinois 60178)	9	627 670 C1 OR 453 453 C1	SWITCH, ether SWITCH, ether
3	398 305 C1 672 592 C1 27 326 R1 25 520 R1	SADDLE, clamp STUD (2) WASHER, hardened (4) NUT (4)	9	453 453 C1	SWITCH, ether
4	685 606 C1 25 498 R1 25 316 R1 25 896 R1 27 516 R1	BRACKET, ether injector BOLT BOLT WASHER, hardened WASHER, hardened	10	140 304	ELBOW, 90°, with sleeve and nut
5	269 635 R91	NOZZLE, ether injection	11	685 819 C91 22 470 R1 25 707 R1 174 916 25 402 R1	VALVE and COIL BOLT (2) WASHER, hardened (3) WASHER, lock NUT (2)
6	140 285	CONNECTOR, ball sleeve tube		650 666 C1	CABLE, ether switch to start switch (Illustrated with "Electric Starting and Lighting")
				622 751 C1	NAME PLATE
				2 753 630 R1	PRODUCT GRAPHIC

NOTE 3: Field Application - Order through
Regular Service Parts Channels.

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

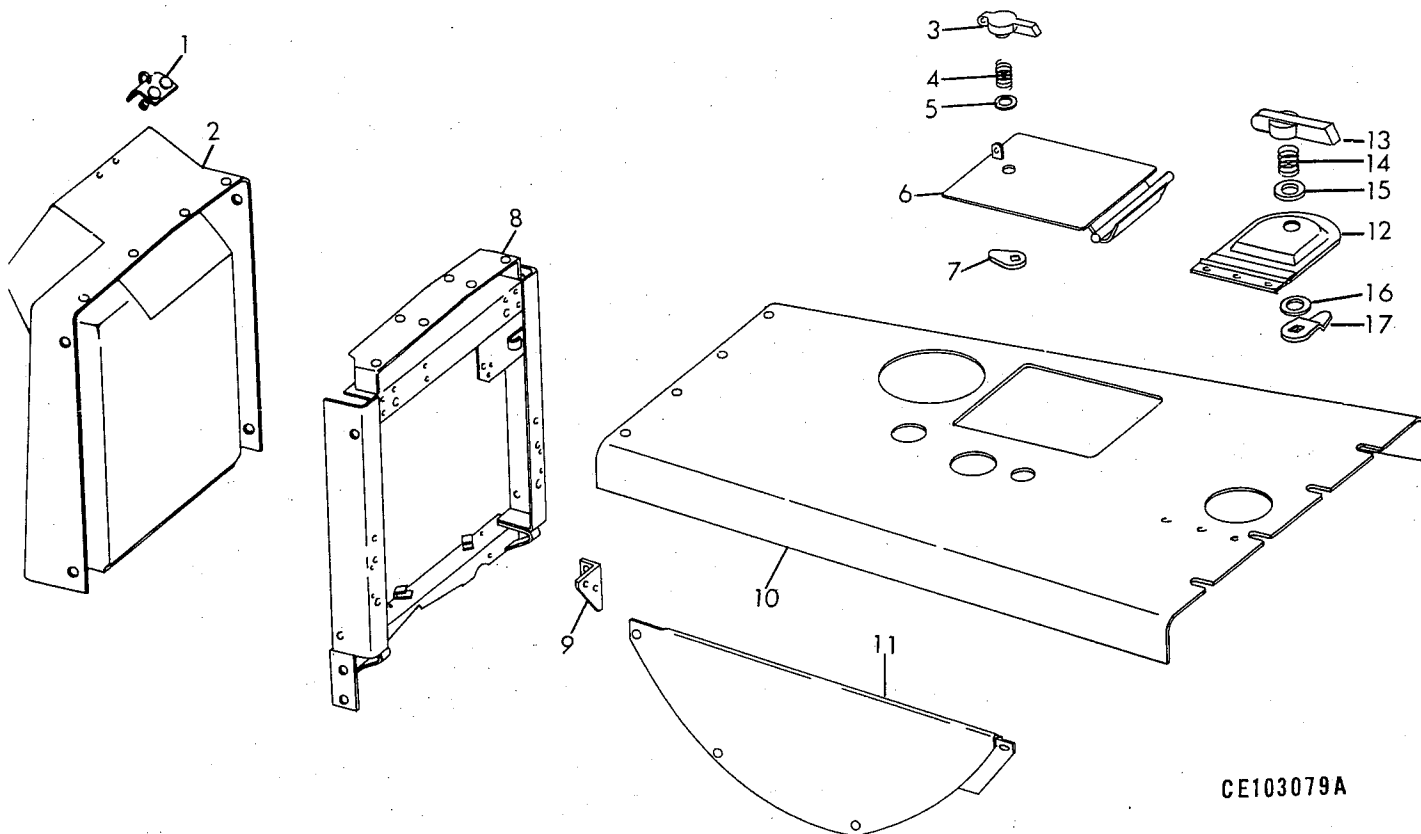
SUPERSTRUCTURE

13

SUPERSTRUCTURE

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

HOOD, DASH AND SUPPORTS



CE103079A

1	651 076 C1 120 394 115 093 25 522 R1	PLATE, instrument panel lock WASHER, flat (2) WASHER, lock (2) NUT (2)	10	628 463 C92	HOOD w/DOOR, 651 111 C1 (Solid) (Replaces 651 030 C91) 3647 and below
2	651 068 C1 24 861 R1 116 121 446 229	DASH SCREW, hex-hd cap (6) WASHER, lock (6) WASHER, flat (6)	10	709 336 C91	HOOD w/DOOR, 651 111 C1 (Solid) 3648 and up
3	622 539 C1	HANDLE, access door locking		24 861 R1	BOLT (10)
4	562 008 R1	SPRING, locking handle		114 608	WASHER, ext-tooth lock (10)
5	92 779 R1	WASHER, locking handle thrust		334 950 R2	WASHER, hood pilot (4)
6	651 111 C1	DOOR, hood access		357 020 R1	WASHER (6)
7	622 541 C1 24 839 R1 115 093 103 341	PAWL, access door locking SCREW, hex-hd cap WASHER, lock WASHER, flat		138 496	SHIM (x)
8	651 069 C1 24 872 R1 24 862 R1 116 121 103 343 25 526 R1	SUPPORT, dash SCREW, 5/8" hex-hd cap (2) SCREW, 1/2" hex-hd cap (2) WASHER, lock (2) WASHER, flat (2) NUT (2)	10	651 386 C91	HOOD w/DOOR, 651 111 C1 (Perforated) (For Manual Shift and Power Shift) 3647 and below
9	334 438 R1 24 872 R1 25 528 R1	BRACKET, dash support SCREW, hex-hd cap (2) NUT (2)	10	709 236 C91	HOOD w/DOOR, 651 111 C1 (Perforated) (For Manual Shift and Power Shift) 3648 and up
				24 861 R1	BOLT (10)
				334 951 R1	WASHER, hood pilot (4)
				200 835 R1	WASHER (6)

(x) - As Required.

SUPERSTRUCTURE

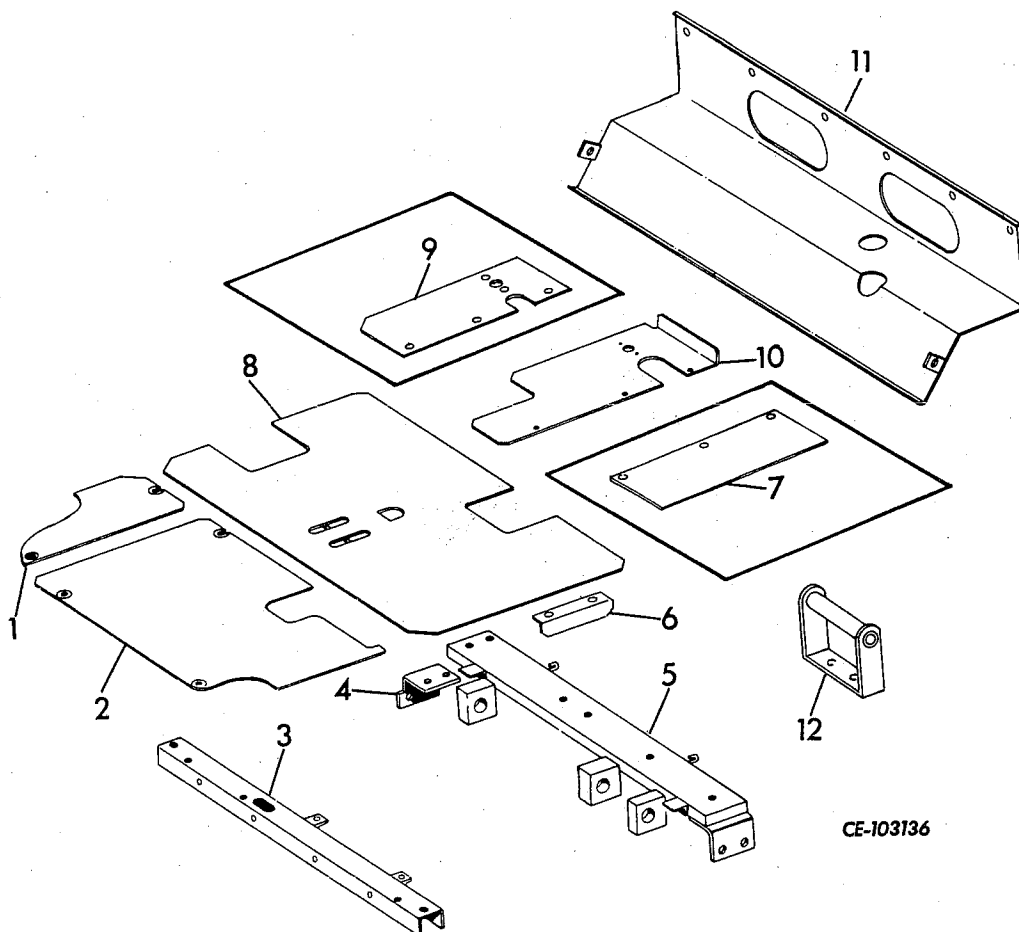
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HOOD, DASH AND SUPPORTS — Continued			629 576 C91	ATTACHMENT, perforated hood (For Manual Shift and Power Shift) (See NOTE 3) (Consists of HOOD, 651 386 C91, ten SCREW, 24 861 R1, four WASHER, 334 951 R1 and six WASHER, 200 835 R1) 3647 and below	
10	651 386 C91	HOOD w/DOOR, 651 111 C1 (Perforated) (For Manual Shift and Power Shift) 3647 and below			
10	709 236 C92	HOOD w/DOOR, 651 111 C1 (Perforated) (For Manual Shift and Power Shift) 3648 to 4229	709 332 C91	ATTACHMENT, perforated hood (For Manual Shift and Power Shift) (See NOTE 3) (Consists of HOOD, 709 236 C91) 3648 to 4229	
	24 861 R1	BOLT (10)			
	334 951 R1	WASHER, hood pilot (4)			
	200 835 R1	WASHER (6)			
10	717 379 C91	HOOD w/DOOR, 651 111 C1 (Per- forated) (For Low Ground Pres- sure)	12	622 535 C2	DOOR, radiator cap access
				24 840 R1	BOLT (3)
				25 534 R1	WASHER (6)
				25 522 R1	NUT (3)
10	733 150 C91	HOOD w/DOOR, 651 111 C1 (Solid) (For Low Ground Pressure)	13	622 539 C1	HANDLE, access door
11	661 637 C1	SHEET, LH engine side (Not used W/Engine Side Enclosure)(Not For Low Ground Pressure)	14	562 008 R1	SPRING
11	661 638 C1	SHEET, RH engine side (Not used W/Engine Side Enclosure)(Not For Low Ground Pressure)	15	92 779 R1	WASHER
	24 871 R1	SCREW, 5/8 x 1" hex-hd cap (6)	16	Q 3481	WASHER, flat
	24 873 R1	SCREW, 5/8 x 1-1/2" hex-hd cap (2)	17	622 759 C1	PAWL, access door locking
	334 951 R1	WASHER, pilot (8)		24 839 R1	BOLT
	19 508 R1	NUT, 5/8" lock (2)		114 606	WASHER, lock
				28 035 K	WASHER
11	717 386 C1	SHEET, LH engine side(For Low Ground Pressure)			
	24 872 R1	BOLT, 1-1/4" long (3)			
	24 874 R1	BOLT, 1-3/4" long (2)			
	25 537 R1	WASHER, flat (2)			
	334 951 R1	WASHER, pilot (5)			
11	717 387 C1	SHEET, RH engine side (For Low Ground Pressure)			
	24 872 R1	BOLT, 1-1/4" long (3)			
	24 874 R1	BOLT, 1-3/4" long (2)			
	25 537 R1	WASHER, flat (2)			
	334 951 R1	WASHER, pilot (5)			

NOTE 3: Field Application - Order through
Regular Parts Channels.

SUPERSTRUCTURE

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

PLATFORMS AND SUPPORTS



CE-103136

1	651 089 C1 26 309 R1 115 093 25 534 R1	PLATFORM, RH front SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)	4	325 593 R1 26 317 R1 116 121 103 343 25 526 R1	BRACKET, platform support bar SCREW, hex-hd cap (4) WASHER, lock (4) WASHER, flat (2) NUT (2)
2	651 088 C1	PLATFORM, LH front (For Power Shift)	5	651 880 C1	BAR, platform support (For Manual Shift and Power Shift)
2	651 090 C1 26 309 R1 25 534 R1 613 058 C1	PLATFORM, LH front (For Manual Shift and Custom Applications) SCREW, hex-hd cap (4) WASHER, flat WASHER, platform retainer		24 860 R1 116 121 103 343	SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2)
3	607 821 C21 24 840 R1 115 093 103 341 25 522 R1	CHANNEL, platform support SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2) NUT (2)	5	651 881 C1 24 860 R1 116 121 103 341 R1 25 526 R1	BAR, platform support (For Custom Applications) SCREW, hex-hd cap (2) WASHER, lock (2) WASHER, flat (2) NUT (2)
			6	334 750 R1 26 310 R1 25 534 R1 25 522 R1	PLATFORM, center auxiliary (For Manual Shift and Custom Applications) SCREW, hex-hd cap (2) WASHER, lock (2) NUT (2)

SUPERSTRUCTURE

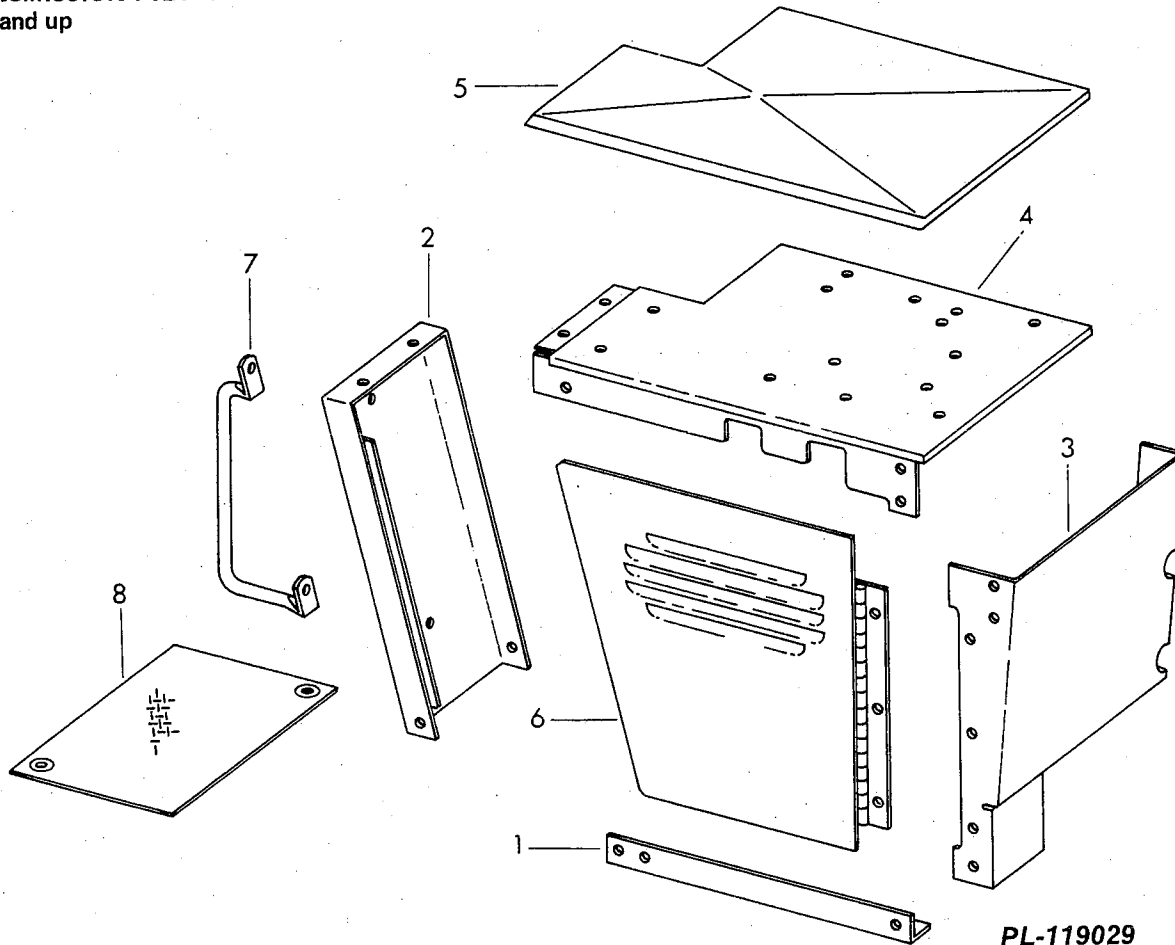
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PLATFORMS AND SUPPORTS — Continued					
7	650 228 C1	PLATFORM, LH rear (For Custom Applications)			
	26 309 R1	SCREW, hex-hd cap (3)			
	25 534 R1	WASHER, flat (3)			
8	609 746 C22	PLATFORM, center (For Manual Shift)			
8	609 745 C32	PLATFORM, center (For Power Shift)			
8	650 211 C3	PLATFORM, center (For Custom Applications)			
9	650 226 C1	PLATFORM, RH rear (For Custom Applications)			
	26 309 R1	SCREW, hex-hd cap (5)			
	25 534 R1	WASHER, flat (5)			
10	334 748 R11	PLATFORM, rear (For Manual Shift and Power Shift) (Not used with Hydraulic Control Unit)			
	26 309 R1	SCREW, hex-hd cap (5)			
	115 093	WASHER, lock (5)			
11	629 395 C1	SHEET, rear cover (Perforated) (Not used with 15 260 Cable Control Unit or Rear Hydraulic Plumbing)			
	140 483 H	SCREW, 1-1/4" long hex-hd cap (2)			
	24 842 R1	SCREW, 1-3/4" long hex-hd cap (2)			
	25 553 R1	WASHER, flat (4)			
12	331 195 R91	REST, foot (Part of ATTACHMENT, 624 519 C91)			
	25 526 R1	NUT (2)			
	26 316 R1	SCREW, hex-hd cap (2)			
	116 121	WASHER, lock (2)			
	624 519 C91	ATTACHMENT, foot rest (For Manual Shift and Custom Applications) (Not used with Decelerator) (Consists of REST, 331 195 R91) (See NOTE 3)			

NOTE 3: Field Application - Order through Regular Parts Channels.

SUPERSTRUCTURE

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

TRANSMISSION FILTER ENCLOSURE 4230 and up



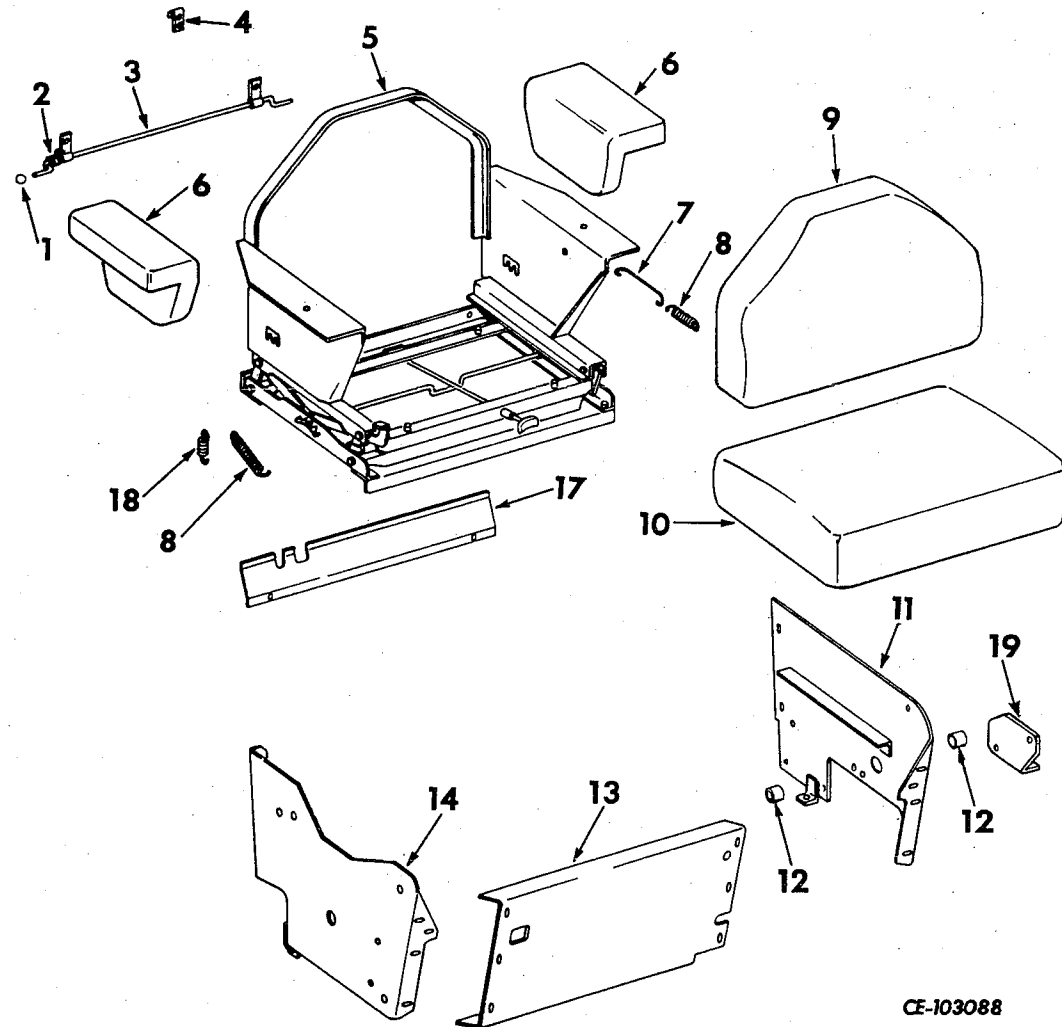
PL-119029

1	732 167 C1	ANGLE, filter housing side	25 534 R1	WASHER, flat (4)	
	24 862 R1	BOLT (2)	25 544 R1	WASHER, hardened (6)	
	25 526 R1	NUT (2)	115 093	WASHER, lock (4)	
	25 546 R1	WASHER, hardened (2)			
2	732 162 C1	SUPPORT, filter housing front	5	732 169 C1	SHIELD, heat
	24 840 R1	BOLT		24 839 R1	BOLT (5)
	140 483 H	BOLT (2)		25 544 R1	WASHER, hardened (5)
	25 522 R1	NUT (2)		115 093	WASHER, lock (5)
	25 534 R1	WASHER, flat (2)	6	732 165 C1	DOOR, filter access
	25 544 R1	WASHER, hardened (3)		24 849 R1	BOLT (2)
3	115 093	WASHER, lock (3)		140 483 H	BOLT (3)
	732 164 C1	SUPPORT, rear		25 522 R1	NUT (3)
	24 861 R1	BOLT (2)		25 534 R1	WASHER, flat (6)
	140 483 H	BOLT		25 545 R1	WASHER, hardened (2)
	25 522 R1	NUT		115 093	WASHER, lock (3)
	25 534 R1	WASHER, flat (2)		115 314	WASHER, lock (2)
	25 546 R1	WASHER, hardened (2)	7	732 137 C1	HANDLE, assist
	115 093	WASHER, lock		24 861 R1	BOLT (2)
4	732 158 C1	PLATE, filter housing top		25 526 R1	NUT (2)
	24 840 R1	BOLT (2)		25 546 R1	WASHER, hardened (4)
	140 483 H	BOLT (4)	8	732 173 C1	COVER, LH fender
	25 522 R1	NUT (4)		24 861 R1	BOLT (2)
				25 546 R1	WASHER, hardened (2)

SUPERSTRUCTURE

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

SEAT, AIR BAFFLE, SIDE SHEETS AND SUPPORT



CE-103088

1	148 689 R1	KNOB, plastic (2)	2	SCREW	155 348
2	603 909 C1	SPRING, rod torsion	2	SPRING	383 296 R1
3	603 908 C91	ROD w/SPRING, 603 909 C1, cushion adjuster	1	SPRING	603 913 C1
	160 541	SCREW, cr-rec-hd (2)	2	WASHER	103 319
	103 319	WASHER, lock (2)	2	WASHER	147 577)
	147 577	WASHER, flat (2)			
4	603 907 C1	CLIP, back cushion (2)	6	702 471 C1	CUSHION, seat side (2)
	155 348	SCREW, cr-rec-hd (4)		25 228 R1	SCREW, hex-hd cap (4)
	115 109	WASHER, lock (4)		116 120	WASHER, lock (4)
5	702 468 C92	BASE and FRAME ASSY., seat	7	603 912 C1	EXTENSION, spring wire
	24 849 R1	SCREW, hex-hd cap (2 not used w/Safety Seat Belt) (4)	8	383 296 R1	SPRING, linkage (2)
	115 314	WASHER, lock (4)	9	702 470 C1	CUSHION, seat back
	103 342	WASHER, flat (4)	10	702 469 C2	CUSHION, seat bottom
		(Composed of -	11	628 228 C91	SHEET w/two BUSHING, 298 216 R1 (For Manual Shift)
		1 EXTENSION			
		1 KNOB			
		1 ROD			

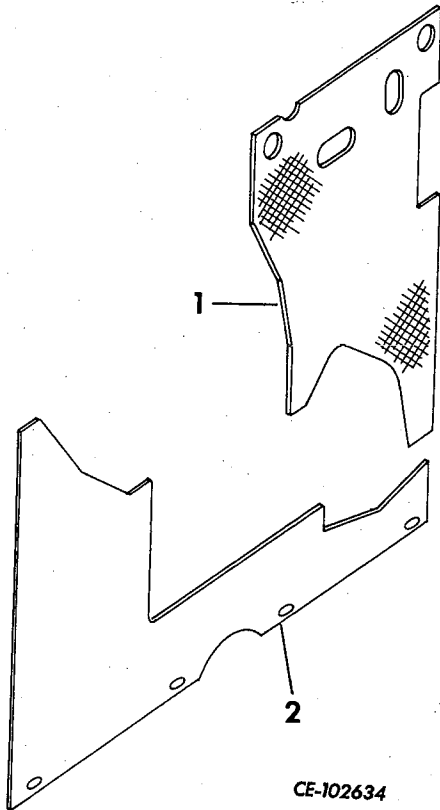
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SEAT, AIR BAFFLE, SIDE SHEETS AND SUPPORT — Continued					
11	345 908 R51	SHEET, LH seat side (For Power Shift) 4229 and below			
11	732 156 C1	SHEET, LH seat side (For Power Shift) 4230 and up			
11	628 229 C91	SHEET, w/two BUSHING, 298 216 R1, LH seat side (For Custom Applications)			
	24 840 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
	103 341	WASHER, flat (2)			
	25 522 R1	NUT (4)			
12	298 216 R1	BUSHING, side sheet (For Manual Shift and Custom Applications) (2)			
13	345 907 R2	SUPPORT, front seat			
	25 522 R1	NUT, 3/8" (8)			
	24 840 R1	SCREW, 3/8" hex-hd cap (12)			
	115 093	WASHER, 3/8" lock (10)			
	103 341	WASHER, 13/32" flat (18)			
	103 342	WASHER, 15/32" flat (4)			
	24 849 R1	SCREW, 7/16" hex-hd cap (4)			
	25 524 R1	NUT, 7/16" (4)			
14	604 150 C21	SHEET, RH seat side (For Manual Shift and Power Shift) (Not used with Hydraulic Control Unit)			
14	345 910 R41	SHEET, RH seat side (Used with Hydraulic Control Unit)			
14	650 224 C1	SHEET, RH seat side (For Custom Applications) (Not used with Hydraulic Control Unit)			
	24 840 R1	SCREW, hex-hd cap (6)			
	115 093	WASHER, lock (6)			
	103 341	WASHER, flat (8)			
	25 522 R1	NUT (6)			
17	345 916 R11	BAFFLE, rear air 1539 and below			
	25 768 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			
18	603 913 C1	SPRING, linkage arm			
19	651 366 C1	COVER, LH side sheet opening (For Manual Shift and Custom Applications)			
	26 099 R1	SCREW, hex-hd cap (2)			
	115 093	WASHER, lock (2)			

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION

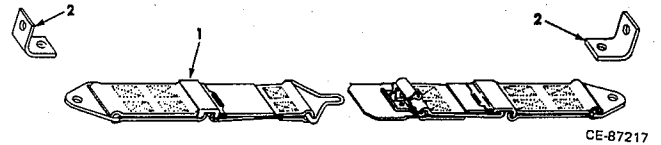
ENGINE CLUTCH AIR BAFFLE (For Custom Applications)



1	651 125 C1 BAFFLE, top air 24 862 R1 SCREW, 1/2 x 1-1/2" hex-hd cap 24 863 R1 SCREW, 1/2 x 1-3/4" hex-hd cap 116 121 WASHER, lock (3) 283 856 C1 WASHER, flat (2) 446 484 WASHER, 1/2 x 1-5/8" x 16 ga. flat (2)
2	651 124 C1 BAFFLE, bottom air 24 838 R1 SCREW (4) 115 093 WASHER, lock (4)

REF. NO.	PART NUMBER	DESCRIPTION

SAFETY SEAT BELT



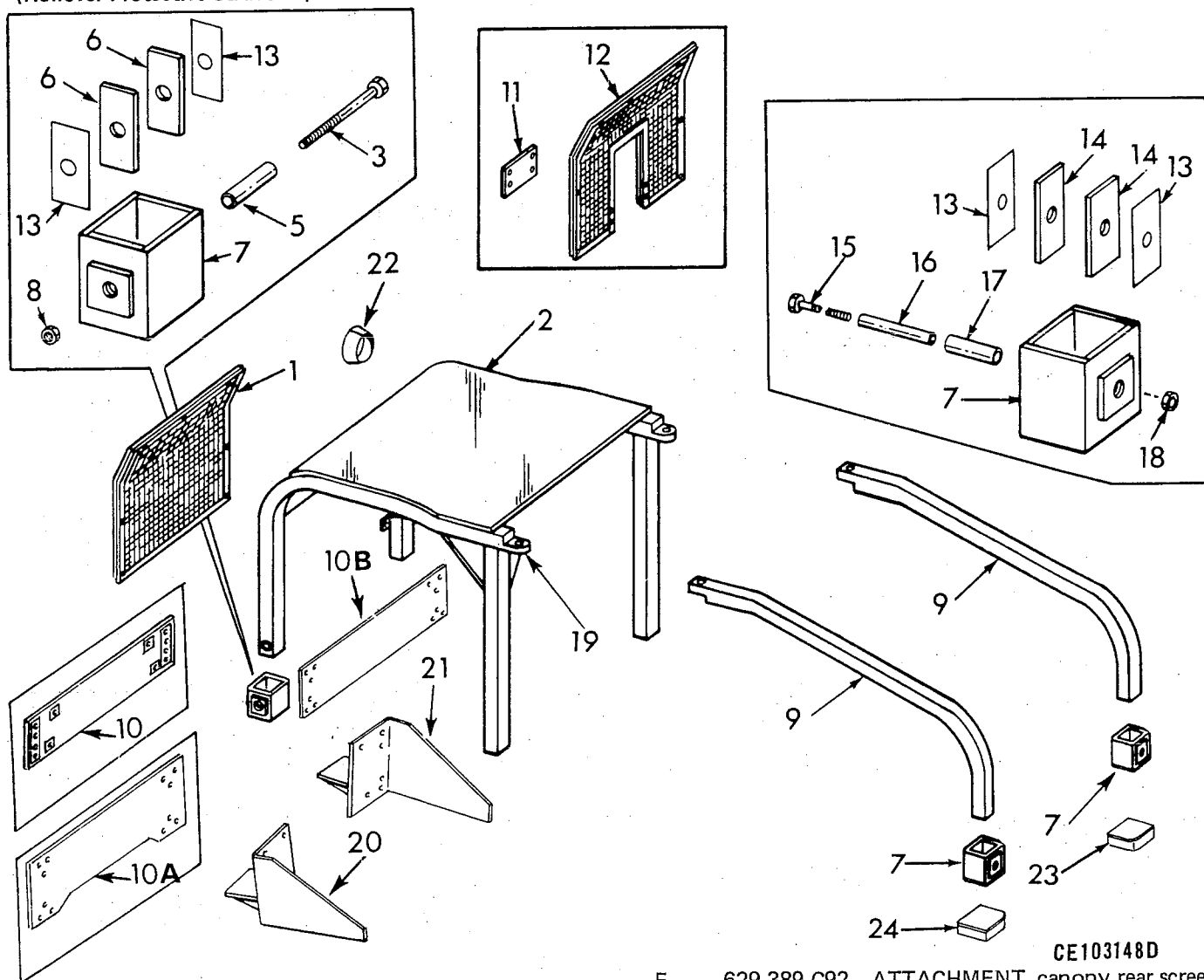
		629 450 C91 ATTACHMENT, safety seat belt (See NOTE 3) (Consists of -
1	636 888 C1 BELT, seat (Replaces, 702 248 C3) 9 412 230 NUT (2) 26 315 SCREW, hex-hd cap (2) 25 555 R1 WASHER, lock (2)	
2	616 166 C1 BRACKET, seat belt holddown (2) 70 427 R1 SCREW, hex-hd cap (2)	
		1 085 320 R1 PAMPHLET, installation

NOTE 3: Field Application — Order through Regular Parts Channels.

SUPERSTRUCTURE

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

CANOPY AND CANOPY FRONT SWEEP (Rollover Protective Structure)



- A 629 707 C91 ATTACHMENT, offset arched canopy with seat belt ROPS (Tractor must be equipped with canopy mounts) (See NOTE 4) +
- B 635 044 C91 ATTACHMENT, straight canopy with seat belt ROPS (Tractor must be equipped with canopy mounts) (See NOTE 2)
- C 647 046 C92 ATTACHMENT, canopy rear screen (For models equipped with Roll-over Protective Structure Canopy) (Used w/ATTACHMENT A) (See NOTE 3) +
- D 635 046 C91 ATTACHMENT, canopy rear screen (For models equipped with Roll-over Protective Structure Canopy) (Used w/ATTACHMENT B) (See NOTES 1 and 2)

- E 629 389 C92 ATTACHMENT, canopy rear screen (For models equipped with Roll-over Protective Structure Canopy and 15-260 Rear Cable Control Unit) (See NOTE 4) +
- F 628 262 C91 ATTACHMENT, canopy front sweep (For models equipped with Rollover Protective Structure Canopy) (See NOTES 1 and 3)
- G 647 250 C91 ATTACHMENT, canopy mounts (Used w/ATTACHMENT A) (See NOTE 4) +

- NOTE 1: Factory Application - Order on Machine Order Form.
- NOTE 2: Field Application - Order on Machine Order Form.
- NOTE 3: Field Application - Order through Regular Parts Channels.
- NOTE 4: Attachment No Longer Available. Service Parts Will Be Furnished As Ordered.
- + - Not For Low Ground Pressure.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CANOPY AND CANOPY FRONT SWEEP - Continued (Rollover Protective Structure)					
H	635 047 C91	ATTACHMENT, canopy mounts (Used w/ATTACHMENT B) (See See NOTE 2)	12	646 223 C1 24 865 R1 19 605 R1 25 536 R1	SCREEN, rear (E) SCREW, hex-hd cap (7) NUT (7) WASHER, flat (14)
1	705 717 C1	SCREEN, rear (D)	13	646 992 C1	SHIM (.060") (A,B and D) (*) (x)
1	645 944 C1 24 865 R1 25 536 R1 19 605 R1	SCREEN, rear (C) SCREW, hex-hd cap (7) WASHER, flat (14) NUT (7)	14	646 070 C1	SHEET, shock mount (8 for A) (4 for F) (Order the following parts - 1 DRAWING CZG-945 1 INSULATOR 646 989 C1 1 NUT 20 787 R1 1 SCREW 646 988 C1 4 SHIM 646 992 C1 2 SHEET 646 991 C1)
2		CANOPY (Not Serviced Separately) (A)			
2		CANOPY (Not Serviced Separately) (B)			
3	646 988 C1	BOLT, canopy socket (4 for A and B) (2 for F)	15	26 011 R1	BOLT, front mounting (4 for A) (2 for F) (Used with TUBE, 646 068 C1) WASHER, hardened (4)
5	705 614 C1	INSULATOR, shock mount (4 for A and B) (2 for F)	16	25 550 R1 646 068 C1	TUBE, shock mount (4 for A) (2 for F) (Order the following parts - 1 DRAWING CZG-945 1 INSULATOR 646 989 C1 1 NUT 20 787 R1 1 SCREW 646 988 C1 4 SHIM 646 992 C1 2 SHEET 646 991 C1)
6	646 991 C1	SHEET, shock mount (8 for A and B) (4 for F)			
7	646 065 C1	SOCKET, canopy rear and center mounting (4 for A and B) (2 for F)			
8	20 787 R1	NUT, 1-1/4" (Nylon insert) (4 for A and B) (2 for F)	17	646 069 C1	INSULATOR, shock mount (4 for A) (2 for F) (Order the following parts - 1 DRAWING CZG-945 1 INSULATOR 646 989 C1 1 NUT 20 787 R1 1 SCREW 646 988 C1 4 SHIM 646 992 C1 2 SHEET 646 991 C1)
9	646 259 C1 645 938 C1 272 080 103 415 646 071 C1 557 274 R1	SWEEP, front (2 for F) BOLT, sweep to canopy mounting (2) NUT, slotted (2) PIN, cotter (2) WASHER (2) WASHER (2)			
10	645 756 C1 24 886 R1 62 177 V	PLATE, rear tie (G) SCREW, hex-hd cap (12) WASHER, hardened (12)	18	19 515 R1	NUT (4 for A) (2 for F) (Used with BOLT, 26 011 R1)
10A	705 903 C2 24 886 R1 62 177 V	PLATE, rear tie % and Below (H) SCREW, hex hd cap (12) WASHER, hardened (12)	19	646 073 C2	BRACKET, front sweep mounting to canopy (Not furnished separately) (2 for F)
10B	711 822 C1 24 886 R1 62 177 V	PLATE, rear tie % and Up (H) SCREW, hex hd cap (12) WASHER, hardened (12)	20		MOUNT, RH, rear canopy (Not furnished separately) (G and H)
11	646 228 C1 24 864 R1 19 605 R1	PLATE, screen tie (E) SCREW, hex-hd cap (4) NUT (4)			

% - Unavailable Serial Number

(x) - As Required

(*) - Maximum quantity of 8 shims to be used.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CANOPY AND CANOPY FRONT SWEEP - Continued (Rollover Protective Structure)					
21		MOUNT, LH, rear canopy (Not furnished separately) (G and H)			
22	651 950 C1 427 313 R91 or 24 763 R1	SHIELD, rear lamp (2 for C,D and E) CLAMP, lamp shield (2) CLAMP, lamp shield (2)			
23	645 752 C1	MOUNT, LH, front sweep (F)			
24	645 753 C1	MOUNT, RH, front sweep (F)			
		BELT, seat (Listed and illustrated under "Safety Seat Belt") (A and B)			
		BRACKET, seat belt (Listed and illustrated under "Safety Seat Belt") (A and B)			
	1 085 613 R1	PAMPHLET, instruction (B)			

SUPERSTRUCTURE

MEMORANDA

SUPERSTRUCTURE

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

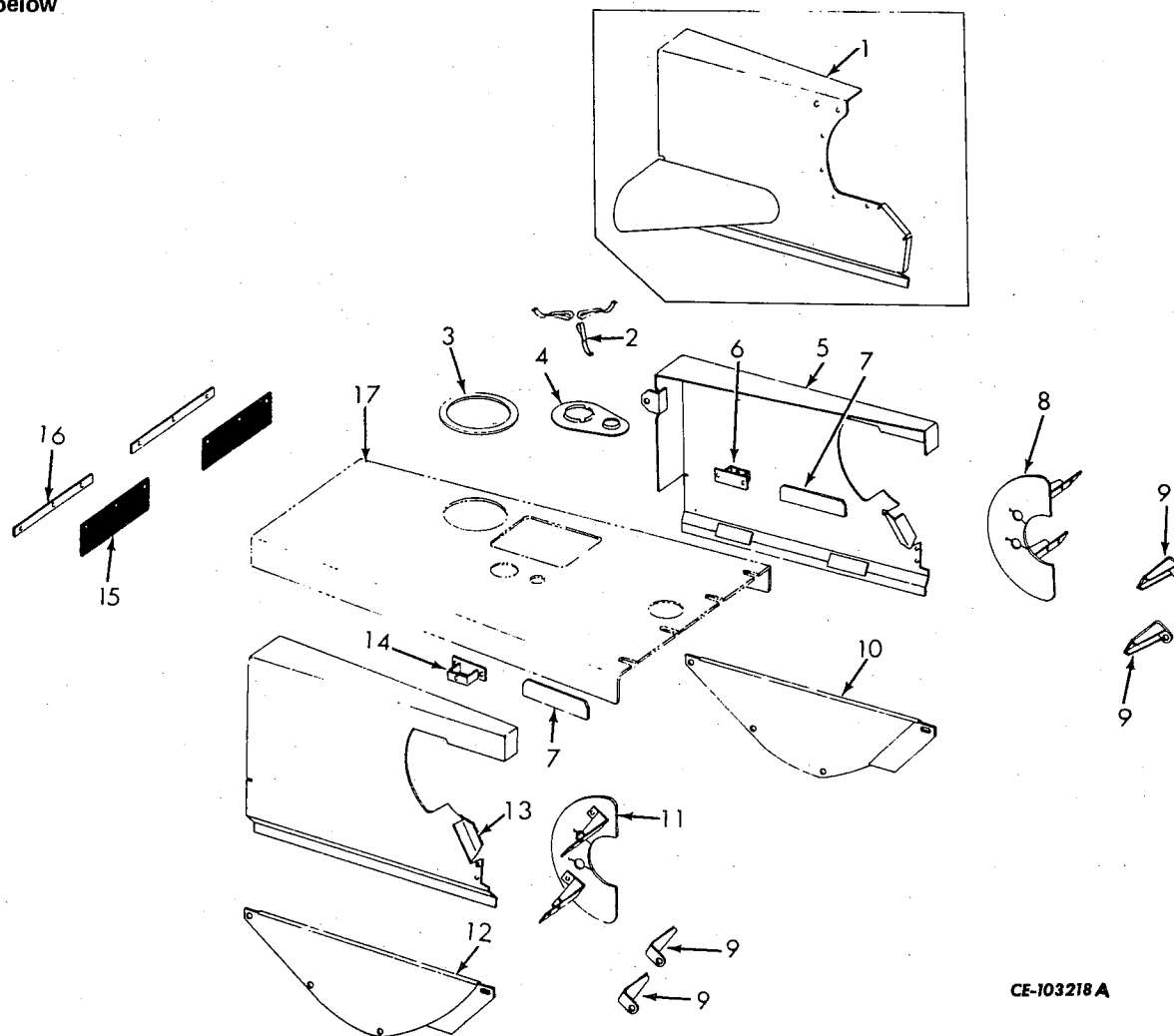
ENGINE SIDE ENCLOSURE

(For Models equipped with Hydraulic Radiator Guard)

(For Models not equipped with Bullgrader Blade)

(Not For Low Ground Pressure)

4229 and below



CE-103218 A

A	629 577 C91	ATTACHMENT, engine side enclosure w/perforated hood (For Power Shift) (See NOTE 3) 3647 and below	F	629 580 C91	ATTACHMENT, engine side enclosure (For Manual Shift models equipped w/solid hood) (See NOTE 3)
B	709 338 C91	ATTACHMENT, engine side enclosure w/perforated hood (For Power Shift) (See NOTE 3) 3648 to 4229	1	628 462 C1 24 860 R1 24 865 R1 25 536 R1	DOOR, RH (C, D, F) SCREW, 1/2 x 1" hex-hd cap (2) SCREW, 1/2 x 2-1/4" hex-hd cap WASHER, flat (3) SPACER (1/2 x 1.375") (obtain locally)
C	629 579 C91	ATTACHMENT, engine side enclosure w/perforated hood (For Manual Shift)(See NOTE 3) 3647 and below	2	657 122 C1	SPRING, cover retainer (3)
D	709 339 C91	ATTACHMENT, engine side enclosure w/perforated hood (For Manual Shift) (See NOTE 3) 3648 to 4229	3	657 314 C1	SEAL, air stack
E	629 578 C91	ATTACHMENT, engine side enclosure (For Power Shift models equipped w/solid hood) (See NOTE 3)	4	651 389 C1	COVER, exhaust tube hood closure
			NOTE 3: Field Application - Order through Regular Parts Channels.		

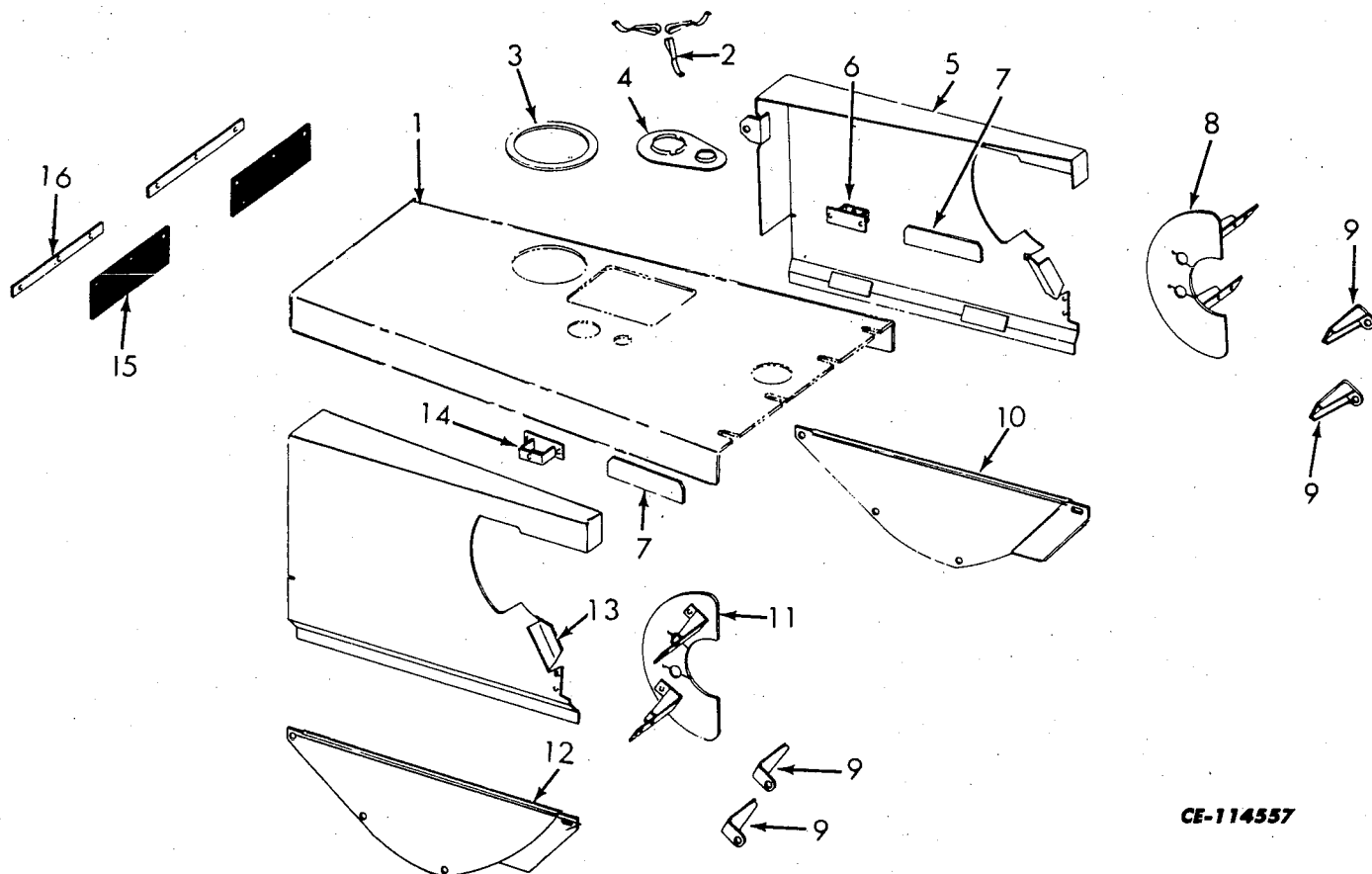
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE SIDE ENCLOSURE — Continued (For Models equipped with Hydraulic Radiator Guard) (For Models not equipped with Bullgrader Blade) (Not For Low Ground Pressure)					
4229 and below					
5	628 460 C1	DOOR, LH (Perforated)			
	24 860 R1	SCREW, 1/2 x 1" hex-hd cap (2)			
	24 865 R1	SCREW, 1/2 x 2-1/4" hex-hd cap			
	25 536 R1	WASHER (3)			
		SPACER (1/2 x 1.375") (Obtain locally)			
6	651 381 C1	BRACKET, LH door mounting			
	25 526 R1	NUT (2)			
	24 860 R1	SCREW, hex-hd cap (2)			
	25 536 R1	WASHER, flat (2)			
7	651 402 C1	SEAL, hood and radiator guard (2)			
8	661 671 C1	SEAL, LH hydraulic tube opening			
9	661 676 C1	BRACKET, seal support (4)			
	24 840 R1	SCREW, hex-hd cap (8)			
	25 534 R1	WASHER, flat (8)			
10	651 165 C1	SHEET, LH engine side			
11	661 672 C1	SEAL, RH hydraulic tube opening			
12	651 166 C1	SHEET, RH engine side			
13	628 461 C1	DOOR, RH (Perforated) (A, B, E)			
	24 860 R1	SCREW, 1/2 x 1" hex-hd cap (2)			
	24 865 R1	SCREW, 1/2 x 2-1/4" hex-hd cap			
	25 536 R1	WASHER, flat (3)			
		SPACER (1/2 x 1.375") (Obtain locally)			
14	651 382 C1	BRACKET, RH door mounting			
	25 526 R1	NUT (2)			
	24 860 R1	SCREW, hex-hd cap (2)			
	25 536 R1	WASHER, flat (2)			
15	657 300 C1	COVER, rear cover sheet access (2)			
16	657 301 C1	STRIP, access cover stiffener (2)			
	24 840 R1	SCREW, hex-hd cap (4)			
	25 534 R1	WASHER, flat (4)			
17		HOOD, perforated (Refer to "HOOD DASH and SUPPORTS") (A, B, C, D)			
	629 584 C1	CLAMP, RH door lower (B, D)			
	661 770 C1	CLAMP, RH door lower (A, C, E, F)			
	25 522 R1	NUT (2)			
	25 496 R1	SCREW, hex-hd cap (2)			
	25 534 R1	WASHER, flat (2)			
	629 583 C1	CLAMP, LH door lower (B, D)			
	661 769 C1	CLAMP, LH door lower (A, C, E, F)			
	25 522 R1	NUT (2)			
	25 496 R1	SCREW, hex-hd cap (2)			
	25 534 R1	WASHER, flat (2)			
		DRAWING, hood rework (E, F)			
	661 289 C2	SEAL, aspirator tube			

SUPERSTRUCTURE

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

ENGINE SIDE ENCLOSURE
(For Models equipped with Bullgrader Blade)
(Not For Low Ground Pressure)
4229 and below



CE-114557

A	636 198 C91	ATTACHMENT, engine side enclosure (For Power Shift models equipped w/solid hood) (See NOTE 3)	2	657 122 C1	SPRING, cover retainer (3)
B	636 225 C91	ATTACHMENT, engine side enclosure (For Power Shift models equipped w/perforated hood) (See NOTE 3)	3	657 314 C1	SEAL, air stack
1		HOOD, perforated (Refer to "Hood, Dash and Supports") (B)	4	651 389 C1	COVER, exhaust tube hood closure

NOTE 3: Field Application - Order through
Regular Parts Channels.

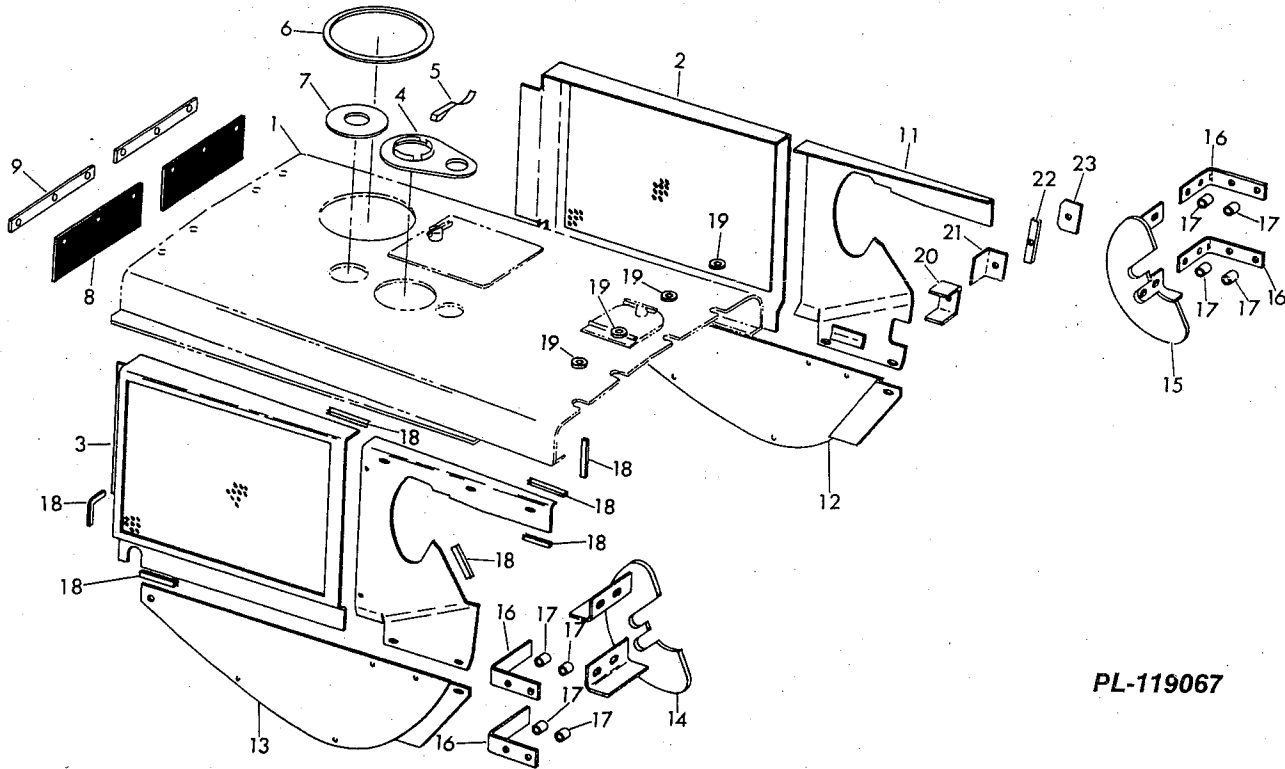
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE SIDE ENCLOSURE — Continued (For Models equipped with Bullgrader Blade) (Not For Low Ground Pressure) 4229 and below					
5	628 460 C1	DOOR, LH (Perforated)			
	24 860 R1	SCREW, 1/2 x 1" hex-hd cap (2)			
	24 865 R1	SCREW, 1/2 x 2-1/4" hex-hd cap			
	25 536 R1	WASHER (3)			
		SPACER (1/2 x 1.375") (Obtain locally)			
6	651 381 C1	BRACKET, LH door mounting			
	25 526 R1	NUT (2)			
	24 860 R1	SCREW, hex-hd cap (2)			
	25 536 R1	WASHER, flat (2)			
7	651 402 C1	SEAL, hood and radiator guard (2)			
8	668 090 C1	SEAL, LH tube opening			
9	661 676 C1	BRACKET, seal support (4)			
	24 840 R1	SCREW, hex-hd cap (8)			
	25 534 R1	WASHER, flat (8)			
10	651 165 C1	SHEET, LH engine side			
11	668 091 C1	SEAL, RH tube opening			
12	651 166 C1	SHEET, RH engine side			
13	628 461 C1	DOOR, RH (Perforated)			
	24 860 R1	SCREW, 1/2 x 1" hex-hd cap (2)			
	24 865 R1	SCREW, 1/2 x 2-1/4" hex-hd cap			
	25 536 R1	WASHER, flat (3)			
		SPACER (1/2 x 1.375") (Obtain locally)			
14	651 382 C1	BRACKET, RH door mounting			
	25 526 R1	NUT (2)			
	24 860 R1	SCREW, hex-hd cap (2)			
	25 536 R1	WASHER, flat (2)			
15	657 300 C1	COVER, rear cover sheet access (2)			
16	657 301 C1	STRIP, access cover stiffener (2)			
	24 840 R1	SCREW, hex-hd cap (4)			
	25 534 R1	WASHER, flat (4)			
17		HOOD, perforated (Refer to "HOOD, DASH and SUPPORTS") (B)			
	629 584 C1	CLAMP, RH door lower			
	25 522 R1	NUT (2)			
	25 496 R1	SCREW, hex-hd cap (2)			
	25 534 R1	WASHER, flat (2)			
	629 583 C1	CLAMP, LH door lower			
	25 522 R1	NUT (2)			
	25 496 R1	SCREW, hex-hd cap (2)			
	25 534 R1	WASHER, flat (2)			
	661 289 C2	SEAL, aspirator tube			

SUPERSTRUCTURE

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

ENGINE SIDE ENCLOSURE (Not For Low Ground Pressure) 4230 and up



PL-119067

A	679 306 C91	ATTACHMENT, engine side enclosure (For Power Shift models equipped w/solid hood) (See NOTE 3) (+)	F	679 312 C91	ATTACHMENT, cover with tilt engine enclosure (For Power Shift models equipped with engine enclosure and Hydraulic Tilt) (See NOTE 3)
B	679 309 C91	ATTACHMENT, engine side enclosure (For Power Shift models equipped w/perforated hood) (See NOTE 3)(+)	1		HOOD (Refer to "Hood, Dash and Supports") (A, B, C and D)
C	679 307 C91	ATTACHMENT, engine side enclosure (For Power Shift models equipped w/solid hood)(See NOTE 3) (%)	2	709 111 C1	DOOR, LH engine side enclosure (A, B, C and D)
D	679 308 C91	ATTACHMENT, engine side enclosure (For Power Shift models equipped w/perforated hood)(SeeNOTE 3)(%)		24 861 R1	BOLT (4)
E	679 310 C91	ATTACHMENT, cover without tilt eng- ine enclosure (For Power Shift models equipped w/engine enclos- ure)(Not For Use With Hydraulic Tilt) (See NOTE 3)		25 555 R1	WASHER (4)
			3	709 112 C1	DOOR, RH engine side enclosure (A, B, C, and D)
				24 861 R1	BOLT (4)
				25 555 R1	WASHER (4)
			4	651 389 C1	COVER, hood opening exhaust tube (A, B, C and D)

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE SIDE ENCLOSURE — Continued (Not For Low Ground Pressure) 4230 and up			20	709 094 C1	CLOSURE, lower (LH enclosure tilt line access hole) (F)
				25 278 R1	BOLT
				25 555 R1	WASHER
5	657 122 C1	SPRING, retainer exhaust tube cover (3) (A, B, C and D)	21	709 384 C1	CLOSURE, upper (LH enclosure tilt line access hole) (F)
6	657 314 C1	SEAL, pre-cleaner (A, B, C and D)	22	650 374 C1	SUPPORT (E)
7	661 289 C2	SEAL, aspirator tube (2)(A,B,C and D)	23	709 093 C1	CLOSURE (E)
8	657 300 C1	COVER, access rear cover sheet (2) (A, B, C and D)		24 863 R1	BOLT
				25 555 R1	WASHER
9	657 301 C1	STRIP, access cover stiffener (2)(A, B, C and D)			
	24 840 R1	BOLT (4)			
	25 534 R1	WASHER (4)			
	104 941	PLUG, rad. guard crosstube mounting bracket (4)			
10	709 110 C1	ENCLOSURE, RH front engine side (A, B, C and D)			
	24 861 R1	BOLT (5)			
	25 555 R1	WASHER (5)			
11	709 109 C1	ENCLOSURE, LH front engine side (A, B, C and D)			
	24 861 R1	BOLT (5)			
	25 555 R1	WASHER (5)			
12	709 107 C1	SHEET, LH engine side (A,B,C and D)			
13	709 108 C1	SHEET, RH engine side (A,B,C and D)			
14	709 305 C1	SEAL, RH hyd. tube opening(A & B)			
	24 862 R1	BOLT (4)			
	25 555 R1	WASHER (4)			
14	709 286 C1	SEAL, RH hyd. tube opening (C & D)			
15	709 304 C1	SEAL, LH hyd. tube opening (A & B)			
	24 862 R1	BOLT (4)			
	25 555 R1	WASHER (4)			
15	709 285 C1	SEAL, LH hyd. tube opening (C & D)			
16	709 289 C1	BRACKET, yoke cap (4) (A, B, C & D)			
17	621 784 R1	SPACER, pipe (8) (A, B, C and D)			
	24 880 R1	BOLT (8)			
	25 556 R1	WASHER (8)			
18	668 290 C1	TRIM (x) (A,B, C and D)			
19	334 950 R2	WASHER, hood shaft pilot (4) (A & C)			
19	334 951 R1	WASHER, hood shaft pilot (4) (B & D)			

NOTE 3: Field Application — Order Through Regular Parts Channels.

+ - For Models equipped with Bullgrader Blade and Engine Enclosure Cover
(%) - For Models equipped with Hydraulic Radiator Guard and Engine Enclosure Cover. Not For Use w/Bullgrade Blade.

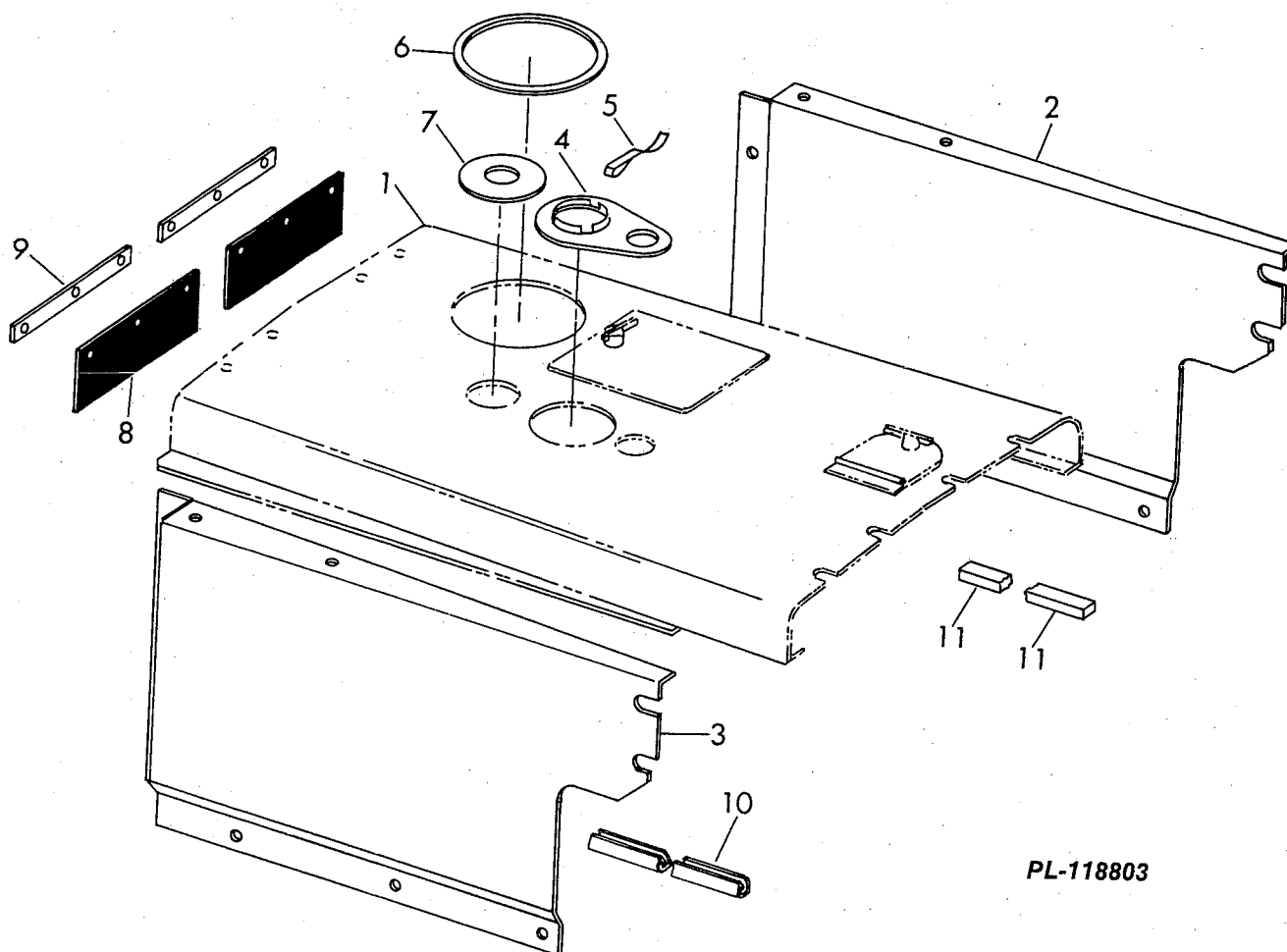
SUPERSTRUCTURE

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

ENGINE SIDE ENCLOSURE

(For Models Equipped with or without Hydraulic Tilt)

(For Low Ground Pressure)



PL-118803

1		HOOD (refer to "Hood, Dash and Supports")	5	657 122 C1	SPRING, retainer exhaust tube cover
2	717 382 C1	DOOR, LH engine side enclosure	6	657 314 C1	SEAL, air stack
	24 861 R1	SCREW, hex-h cap (9)	7	661 289 C2	SEAL, aspirator tube
	25 555 R1	WASHER, hardened (9)	8	657 300 C1	COVER, access rear cover sheet (2)
	334 951 R1	SPACER (2)	9	657 301 C1	STRIP, access cover stiffener (2)
3	717 383 C1	DOOR, RH engine side enclosure		24 840 R1	SCREW, hex-hd cap (4)
	24 861 R1	SCREW, hex-hd cap (9)		25 534 R1	WASHER, hardened (4)
	25 555 R1	WASHER, hardened (9)	10	668 290 C1	TRIM, door and hood (x)
	334 951 R1	SPACER (2)	11	732 056 C1	SEAL, hood and guard (2)
4	651 389 C1	COVER, hood opening exhaust tube			

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CAB AND RELATED ATTACHMENTS			710 461 C91	PACKAGE, air conditioner-heater and support (Machines must be equipped with CAB) (See NOTE 2)(Not used w/CAB HEATER ATTACHMENT) (Consists of -	
711 975 C91	ATTACHMENT, cab (Must be equipped w/offset arched Canopy and Battery Venting Box) (Consists of CAB, 711 979 C91) (*) (See NOTE 4)			1 ATTACHMENT, air conditioning heater and piping (%) 710 462 C91	
740 024 C91	ATTACHMENT, cab (must be equipped w/straight Canopy and Battery Venting Box) (Consists of CAB, 740 025 C91) (*) (See NOTE 4) 4229 and below			1 ATTACHMENT, air conditioning freon compressor (%) 710 465 C91	
736 020 C91	ATTACHMENT, cab (Must be equipped w/straight Canopy and Battery Venting Box) (Consists of CAB, 736 021 C91) (*) (See NOTE 2) 4230 and up			1 ATTACHMENT, heater plumbing (%) 632 461 C91	
668 900 C91	ATTACHMENT, fan defroster (Must be equipped with heavy duty alternator) (Consists of Defroster Fan, 668 901 C91) (*) (See NOTE 3)		736 021 C91	CAB ASSY., (Part of ATTACHMENT, 736 020 C91) (*) 4230 and up	
668 892 C91	ATTACHMENT, cab heater (Must be equipped w/Cab, Heater Piping and Heavy Duty Alternator) (Consists of CAB HEATER, 668 893 C91) (*) (See NOTE 4)				
740 275 C91	ATTACHMENT, cab heater (Must be equipped w/Cab, Heater Piping and Heavy Duty Alternator) (Consists of CAB HEATER, 740 276 C91)(*) (See NOTE 3) 4230 and up				
668 894 C91	ATTACHMENT, cab light dome (Must be equipped with heavy duty alternator) (Consists of CAB LIGHT DOME, 668 895 C91) (*) (See NOTE 3)				
668 896 C91	ATTACHMENT, windshield wiper (Must be equipped with heavy duty alternator) (Consists of WINDSHIELD WIPER, 668 897 C91) (*) (See NOTE 3)				

* - For service parts contact:
CAMPBELL CAB CORP.
120 West Kent Avenue
Wauconda, Illinois 60084

% - Attachments Listed And Illustrated Throughout Catalog.

NOTE 2 - Field Application - Order On Machine Order Form.

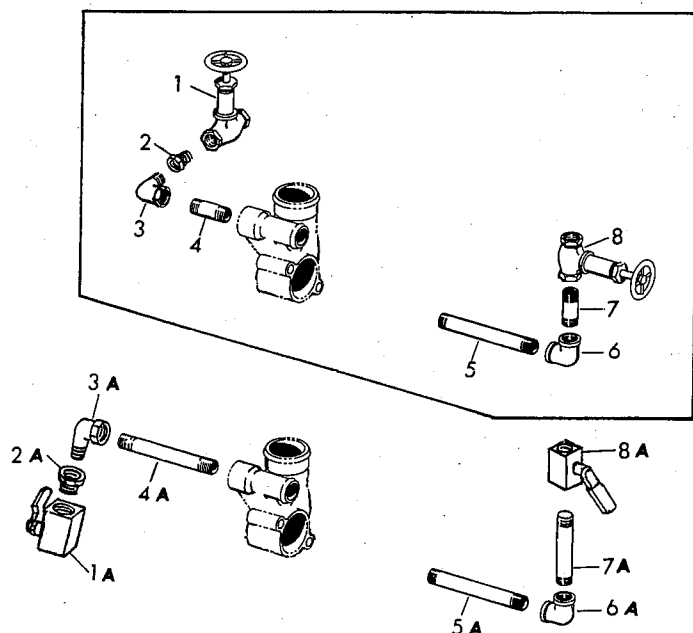
NOTE 3 - Field Application - Order through regular service parts channels.

NOTE 4 - Attachment No Longer Available - Service Parts Will Be Furnished.

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION

PLUMBING, CAB HEATER



CE-109048 A

REF. NO.	PART NUMBER	DESCRIPTION
5	187 249	NIPPLE, heater inlet
6	192 651	ELBOW, heater inlet (Used w/NIPPLE, 190 717) (@)
6A	119 098	ELBOW, heater inlet (Used w/NIPPLE, 219 333) (##)
7	190 717	NIPPLE, heater inlet (3/4 x 2'') (@)
7A	219 333	NIPPLE, heater inlet (1/2 x 4-1/2'') (##)
8	647 610 C1	VALVE, heater inlet (3/4'')
8A	711 925 C1	VALVE, heater inlet (1/2'')

632 461 C91 ATTACHMENT, plumbing cab heater
(Must be equipped with cab heater)
(See NOTE 3)(Part of PACKAGE,
710 461 C91)
(Consists of -

1	647 610 C1	VALVE, heater outlet (3/4'')
1A	711 925 C1	VALVE, heater outlet (1/2'')
2	115 224	ADAPTER, reducing (3/4 x 3/8'') (Used w/ELBOW, 120 063) (@)
2A	120 322	ADAPTER, reducing (1/2 x 3/8'') (Used w/ELBOW, 120 063) (##)
3	141 621	ELBOW, heater outlet (3/4'') (Used w/ NIPPLE, 187 249) (@)
3A	120 063	ELBOW, heater outlet (3/8'') (Used w/ ADAPTER, 120 322) (@) (##)
4	126 168	NIPPLE, heater outlet (3/4 x 3'') (Used w/ELBOW, 141 621) (@)
4	144 603	NIPPLE, heater outlet (3/8 x 3'') (Used w/ELBOW, 120 063) (@)
4A	191 296	NIPPLE, heater outlet (3/8 x 4-1/2'') (Used w/ELBOW, 120 063) (##)

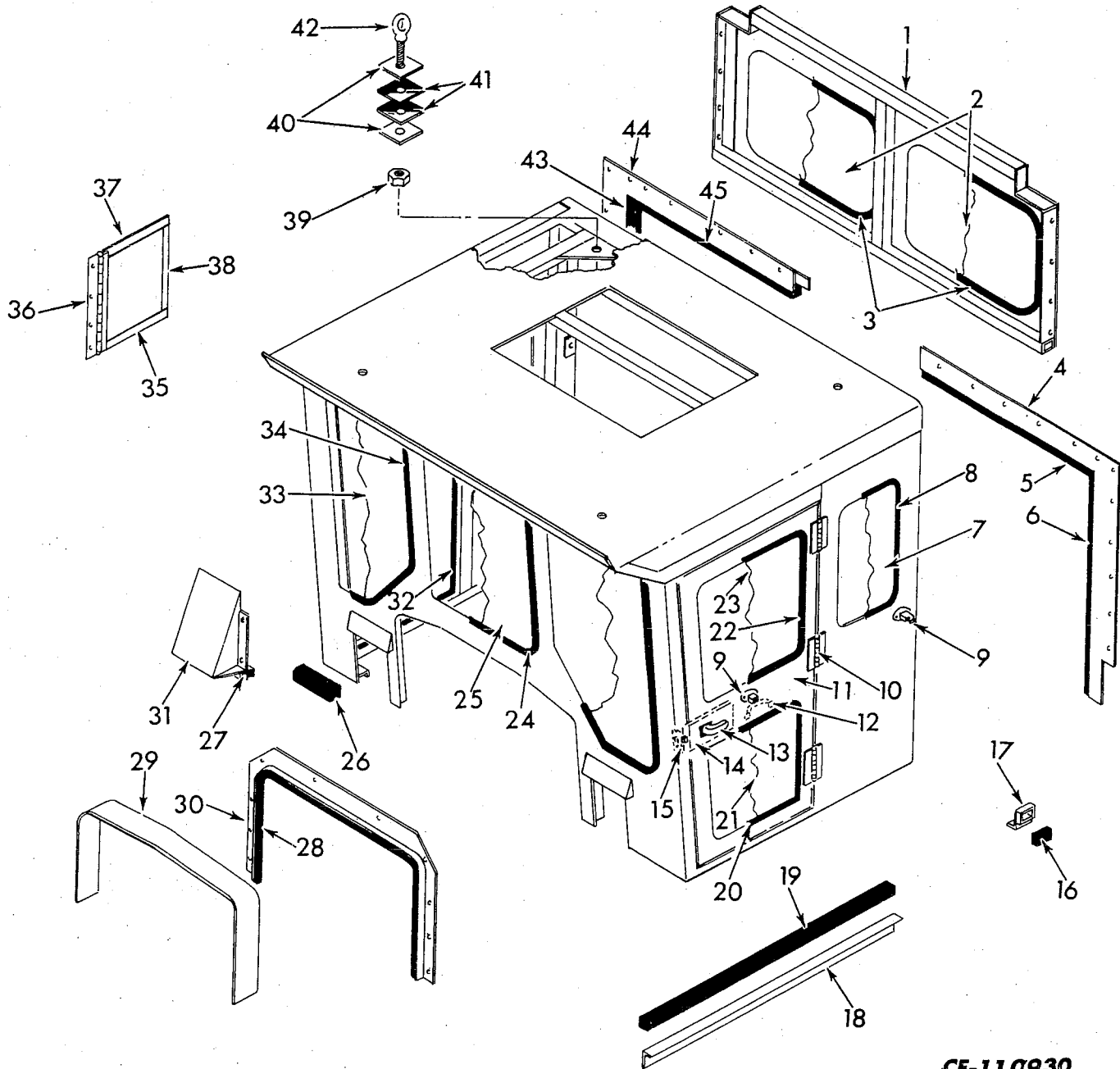
(@) - Used w/VALVE, 647 610 C1
(##) - Used W/VALVE, 711 925 C1

SUPERSTRUCTURE

MEMORANDA

SUPERSTRUCTURE

CAB ASSEMBLY
4229 and below



CE-110930

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CAB ASSEMBLY — Continued			27	40 006-1	GASKET, boot bottom (3/4 x 2 x 13") (2)
4229 and below			28	40 005-12	STRIP, sponge
A	740 025 C91	CAB ASSY. (Part of ATTACHMENT, 740 024 C91) (See NOTE)	29	50 488	EXTENSION, front cowl
B	711 974 C91	CAB ASSY. (Part of ATTACHMENT, 711 975 C91) (See NOTE) (Consists of the following parts -	30	90 119	PANEL, front filler
1	90 270	PANEL ASSY., rear window (A)	31	90 041	BOOT ASSY., front R.O.P.S. (2)
1	90 049	PANEL ASSY., rear window (B)	32	40 015-1	GASKET, door (Standard door) (2)
2	20 009-31	GLASS, rear panel (2)	33	20 010-1	GLASS, front panel - LH/RH (2)
3	40 014-9	RUBBER, window - RH/LH (2)	34	40 014-11	RUBBER, window - LH/RH (2)
4	90 308	PANEL, rear filler - LH	35	40 017-6	STRIP, vinyl seal
5	40 005-15	STRIP, sponge	36	90 107	DOOR ASSY., hydraulic access
6	40 005-15	STRIP, sponge	37	40 017-6	STRIP, vinyl seal
7	20 009-21	GLASS, quarter panel (2)	38	40 017-5	STRIP, vinyl seal
8	40 014-8	RUBBER, window - RH/LH (2)	39	60 014	NUT, 3/4-10 elastic stop (4)
9	60 008	HOLD-BACK, door (Set) (2)	40	50 286	WASHER, steel flat (8)
10	60 015	HINGE, door (6)	41	40 001	PAD, rubber (8)
11	90 143-1	DOOR ASSY., LH	42	60 011	EYEBOLT, 3/4-10 x 4-1/2" (4)
11	90 143	DOOR ASSY., RH	43	40 005-15	STRIP, sponge
12	60 009	PULL, door (Inside) (2)	44	90 309	PANEL, rear filler - RH
13	60 018	HANDLE, door (Outside) (2)	45	40 005-15	STRIP, sponge
14	60 017	LATCH ASSY., door - LH and RH (2)			
15	60 023	PLATE, door latch (2)			
16	40 012-1	RUBBER, stop block (4)			
17	90 087	BRACKET, stop block (4)			
18	50 487	ANGLE, cab support - RH/LH (2)			
19	40 011-4	RUBBER, 40 Duro (2)			
20	40 014-1	RUBBER, window - RH/LH (2)			
21	20 011-1	GLASS, standard door - lower (2)			
22	40 014-2	RUBBER, window - RH/LH (2)			
23	20 011-3	GLASS, standard door - upper (2)			
24	40 014-10	RUBBER, window			
25	20 009-55	GLASS, front panel - center			
26	40 011-5	RUBBER, 40 Duro (2)			

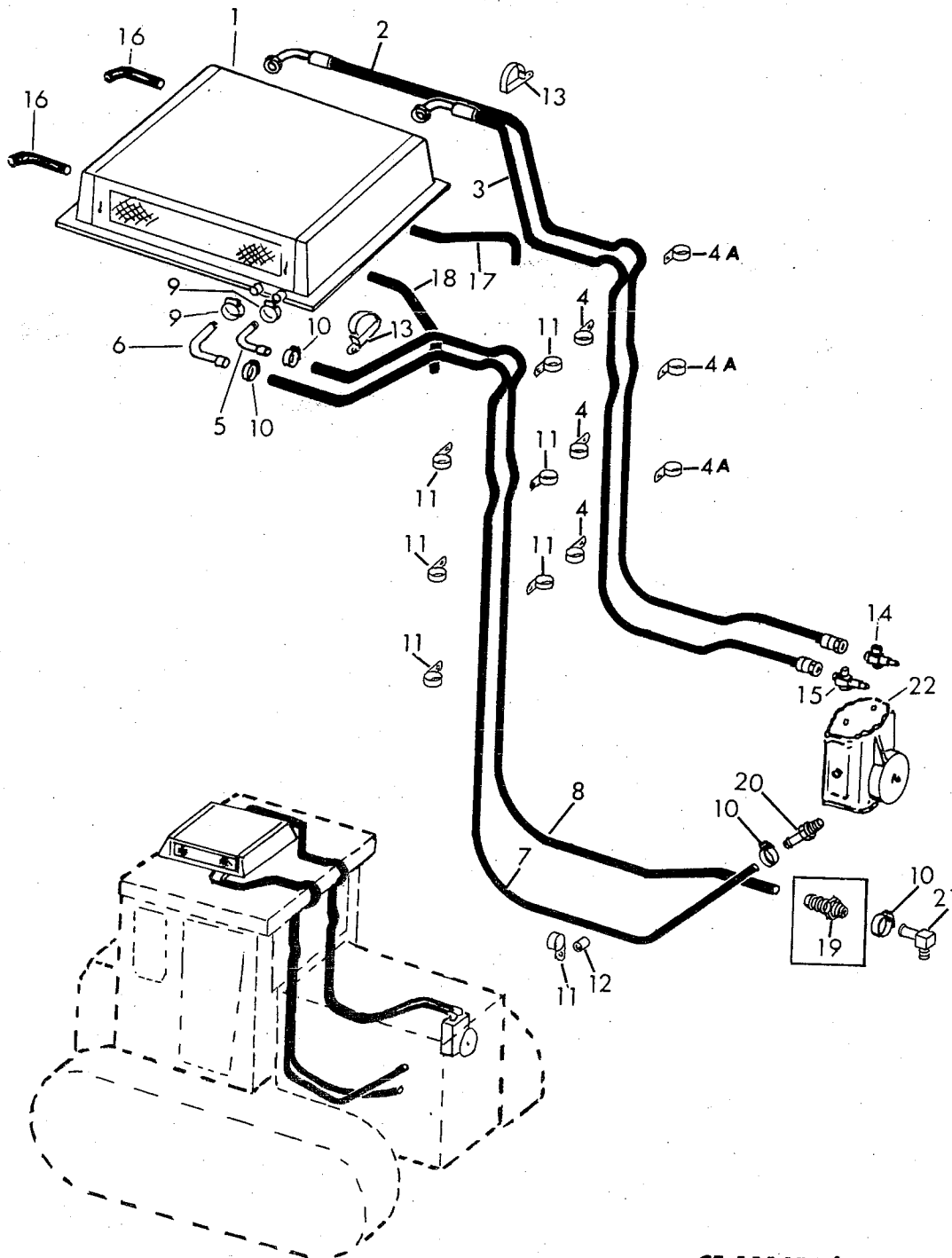
NOTE - For Service Parts Contact:

CAMPBELL CAB CORP.
120 West Kent Avenue
Wauconda, Illinois 60084

SUPERSTRUCTURE

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

AIR CONDITIONER PIPING AND RELATED PARTS (For Machines Equipped with Cab)



CE-111650 A

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER PIPING AND RELATED PARTS - Continued (For Machines Equipped with Cab)					
	710 462 C91	ATTACHMENT, air conditioner/ heater and piping (Also part of PACKAGE, 710 461 C91) (See NOTE 2) (Consists of the following parts -	18	647 897 C1	HOSE, air conditioner drain
1	668 589 C92	AIR CONDITIONER AND HEATER ASSY (Consists of all parts listed under "Air Conditioner")	19	864 444 R1	NIPPLE, heater hose (Used w/VALVE, 647 610 C1)
	25 526 R1	NUT, hex (12)	20	864 441 R1	NIPPLE, heater hose (Used w/VALVE, 711 925 C1)
	24 862 R1	SCREW, hex-hd cap (12)	21	864 459 R1	ELBOW, heater hose (Used w/VALVE, 711 925 C1)
	25 546 R1	WASHER, flat (12)		317 262 R1	CLAMP (2)
	116 121	WASHER, lock (12)	22		COMPRESSOR, Freon (Refer to "Freon Compressor and Related Parts")
2	710 063 C2	HOSE w/FITTINGS, compressor dis- charge (HOSE, 13/32" ID x 153" long including FITTINGS)		635 577 C1	CABLE, magnetic clutch connector to A/C connector (%)
3	710 065 C2	HOSE w/FITTINGS, compressor suc- tion (HOSE, 1/2" ID x 125" long including FITTINGS)		635 578 C1	CABLE, circuit breaker to A/C power connector (%)
4	301 819 R1	CLAMP, compressor (3)		635 576 C1	PACKAGE, connectors and terminals (Consists of § 2 CONNECTORS § 2 TERMINALS)
	171 121	SCREW, hex-hd cap (3)		702 093 C1	STRAP
	25 534 R1	WASHER, flat (3)			
4A	308 581 R1	CLAMP, compressor (3)			
5	710 050 C1	TUBE, heater outlet			
6	710 051 C1	TUBE, heater inlet			
7	740 583 C1	HOSE, heater inlet (3/4 ID x 140" long)(Replaces, 711 803 C1)			
8	740 584 C1	HOSE, heater outlet (3/4 ID x 125" long)(Replaces, 711 803 C1)			
9	122 316 R91	CLAMP, heater tube (2)			
10	27 723 C1	CLAMP, heater hose (4)			
	171 121	SCREW, tapping (3)			
	25 534 R1	WASHER, flat (3)			
11	892 033 C1	CLAMP, heater hose (on cab) (7)			
13	610 213 C91	STRAP, compressor and heater hose (2)			
14	399 419 R1	VALVE, rotolock compressor dis- charge			
15	175 086 C1	VALVE, rotolock compressor suction			
16	647 895 C1	HOSE, air conditioner drain (2)			
17	647 896 C1	HOSE, air conditioner drain			

§ - Not Furnished Separately.

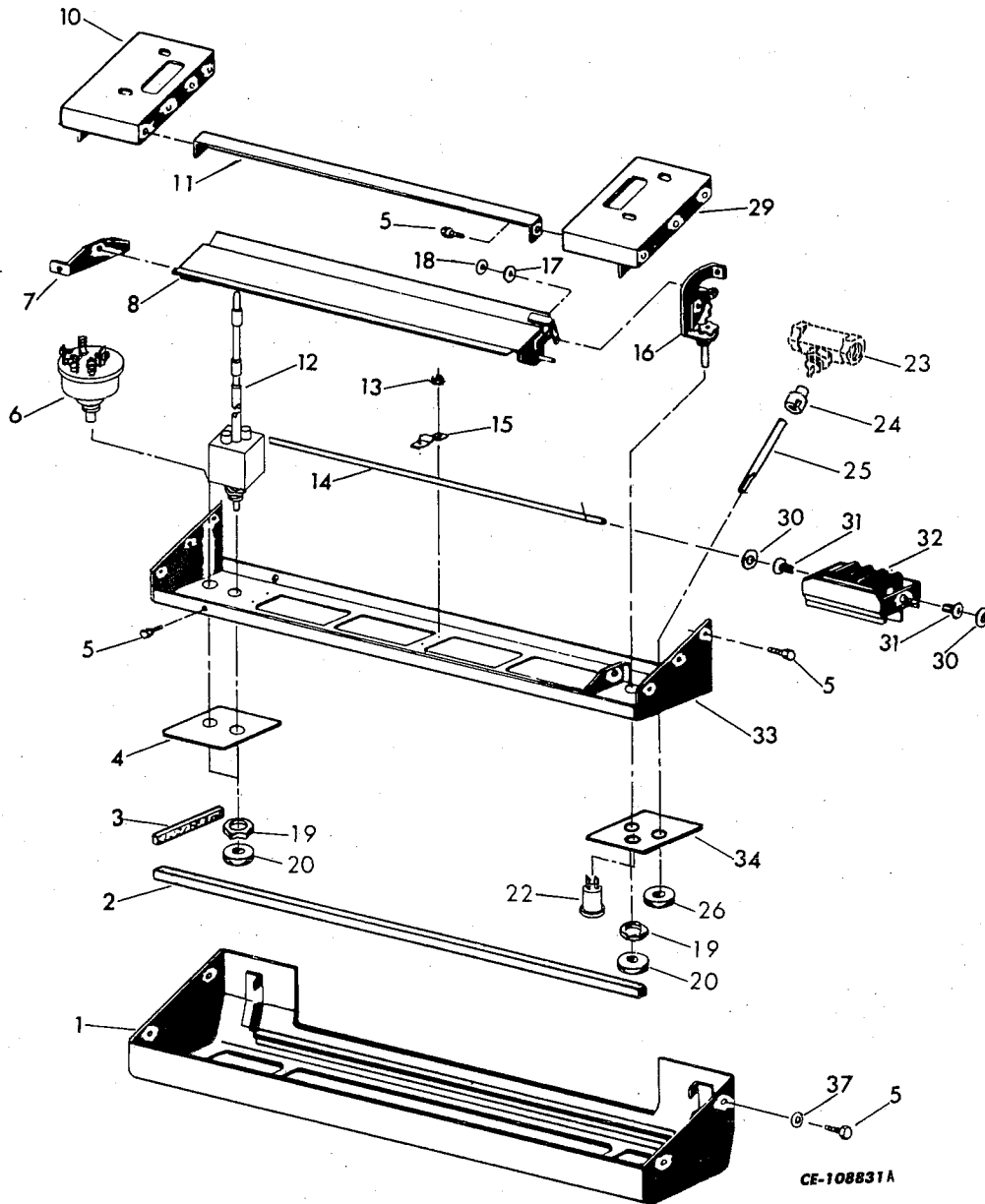
% - Also Listed And Illustrated With Electric
Starting and Lighting For Machines
Equipped With Cab.

NOTE 2 - Field Application - Order On Machine
Order Form.

SUPERSTRUCTURE

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

AIR CONDITIONER (Air Discharge Console)



1	\$	COVER	7	\$	BRACKET, air discharge
2	\$	SEAL, foam	8	\$	DIRECTOR, air
3	\$	SEAL, foam	10	\$	BRACKET, RH mounting
4	\$	PLATE, bezel trim	11	\$	DEFLECTOR, defrost
5	21 026 R1	BOLT (16)	12		SWITCH, thermostat (Refer to "AIR CONDITIONER WIRING")
6		SWITCH, blower (Refer to "AIR CONDITIONER WIRING")			

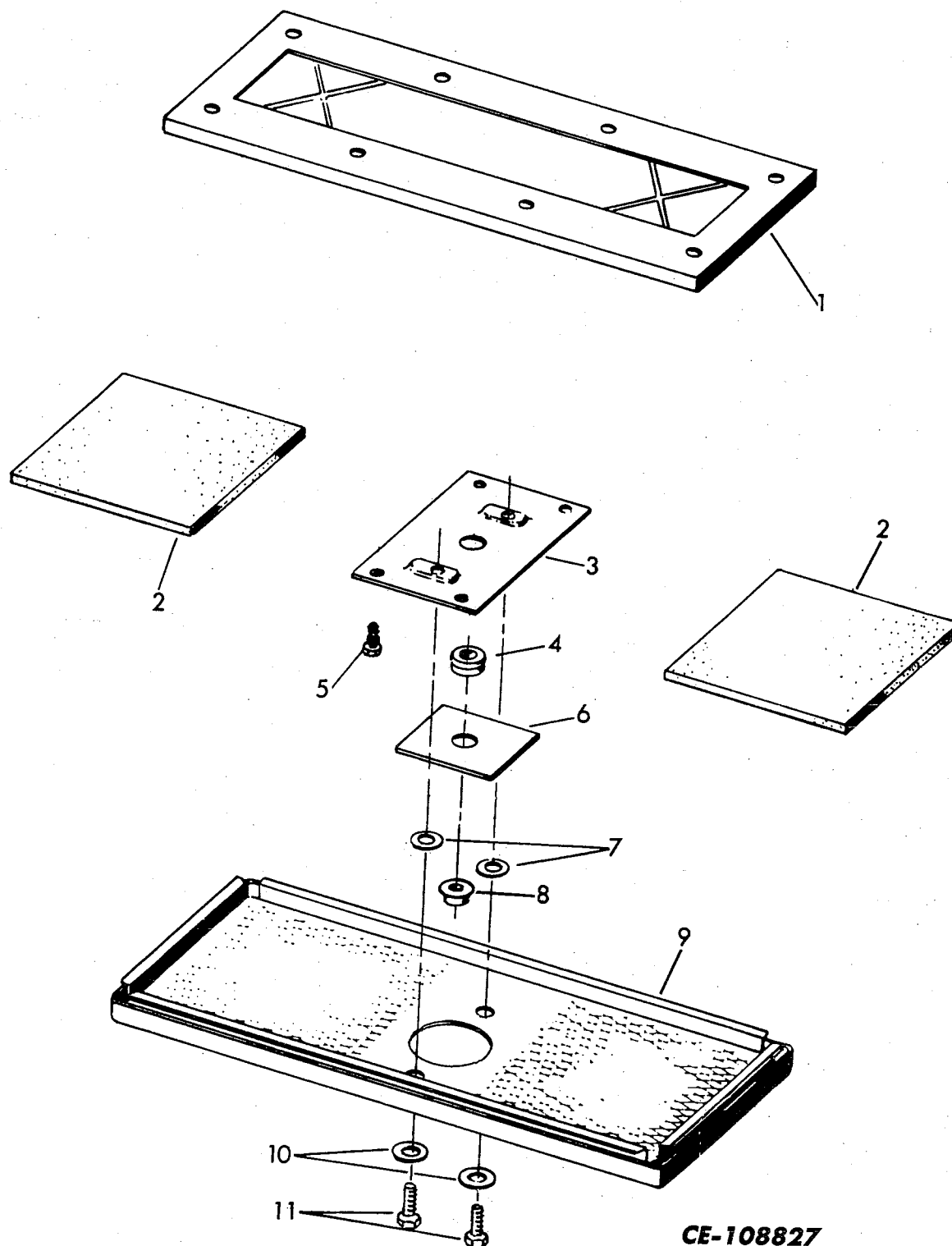
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER - Continued (Air Discharge Console)					
13	\$	NUT w/lock WASHER (6)			
14	\$	SHAFT			
15	\$	STRAP			
16	\$	CONTROL, air director			
17	\$	WASHER, felt			
18	668 737 C1	NUT, spring			
19	\$	NUT, hex (3)			
20	\$	KNOB w/set SCREW			
21	118 664	WASHER (4)			
22		LIGHT, indicator (Refer to "AIR CONDITIONING WIRING")			
23		VALVE, water (Refer to "CONDEN- SER and EVAPORATOR")			
24	\$	COUPLING			
25	647 854 C1	SHAFT, load			
26	\$	KNOB			
29	\$	BRACKET, LH mounting			
30	\$	WASHER, flat (8)			
31	\$	CLIP, tubular (8)			
32	\$	REGISTER (4)			
33	\$	PLATE, register			
34	\$	PLATE, bezel trim			

SUPERSTRUCTURE

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

AIR CONDITIONER
(Return Air Console)



CE-108827

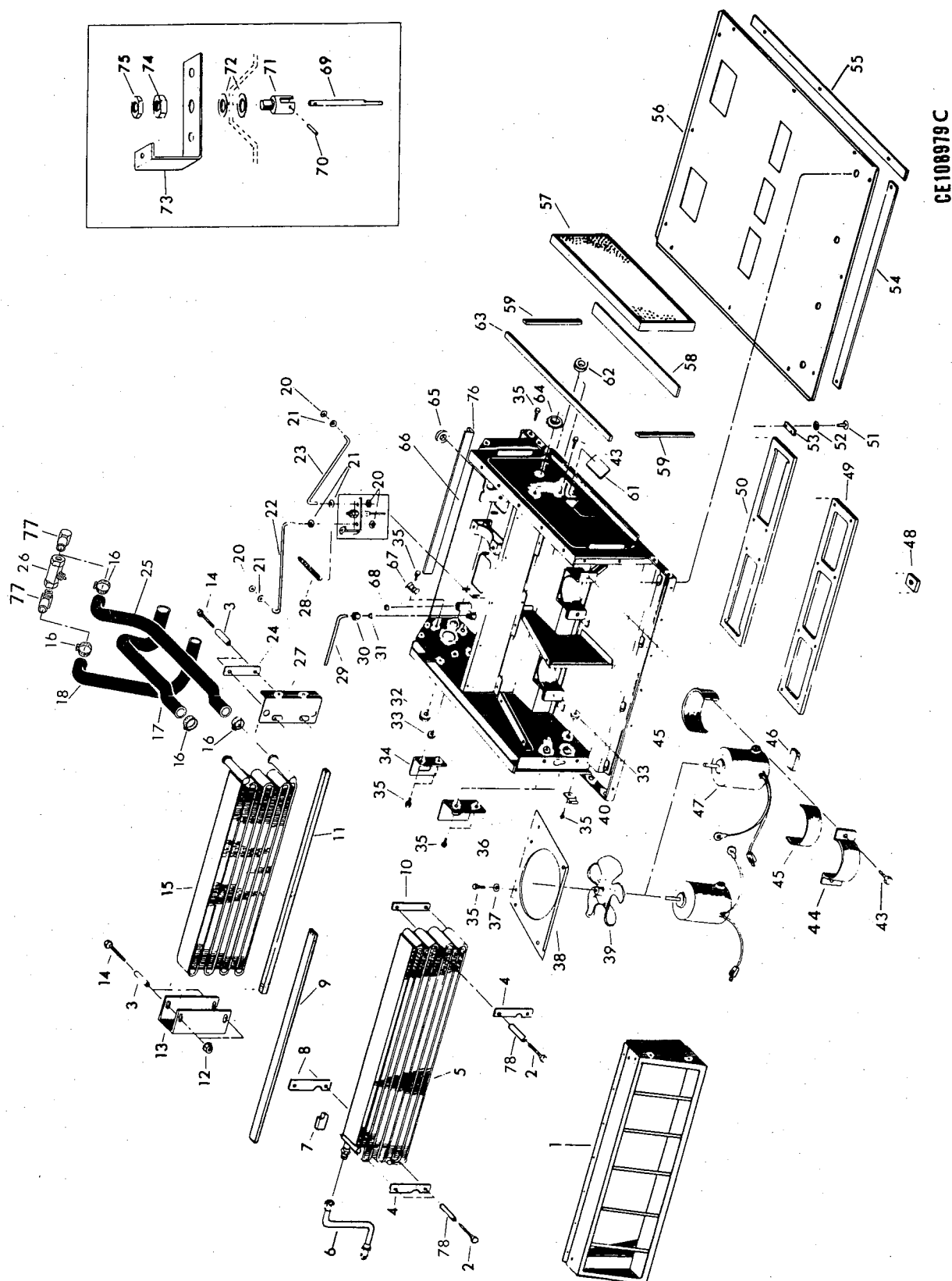
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER - Continued (Return Air Console)					
1	647 815 C1	FRAME, inner			
2	647 673 C1	FILTER (2)			
3	647 817 C1	PLATE			
4	42 723 H	GROMMET (Replaces 647 876 C1)			
5	26 976 R1	BOLT (4)			
6	\$	PLATE, bezel trim			
7	\$	RETAINER, push nut (2)			
8	\$	KNOB w/set SCREW			
9	647 819 C91	COVER and FRAME ASSY.			
10	\$	WASHER, flat (2)			
11	\$	BOLT (2)			

SUPERSTRUCTURE

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

AIR CONDITIONER (Condenser and Evaporator)



SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER - Continued (Condenser and Evaporator)					
1	647 826 C1	CAP, rear end	31	\$	NUT, compression
2	\$	BOLT (4)	32	117 975	GROMMET
3	120 511 H	SPACER (4)	33	443 850	GROMMET (2)
4	\$	PLATE, back-up (2)	34	\$	BRACKET, bottle
5	647 663 C91	COIL, condenser	35	26 976 R1	BOLT (32)
6	647 832 C91	TUBE, condenser	36	\$	BRACKET, bottle mounting
7	\$	SEAL, foam	37	\$	WASHER, flat (17)
8	\$	PLATE, LH condenser mounting	38	\$	SHROUD, condenser fan (2)
9	\$	SEAL, foam	39	647 672 C1	FAN (2)
10	\$	PLATE, RH condenser mounting	40	\$	CLAMP
11	\$	SEAL, rubber	43	25 056 R1	BOLT (14)
12	\$	NUT, hex (2)	44	647 841 C1	STRAP, motor mounting (2)
13	\$	BRACKET, heater mounting, LH	45	\$	PAD, rubber (2)
14	\$	BOLT (4)	46	\$	PAD, rubber (2)
15	631 969 C1	COIL, heater	47		MOTOR, condenser (Refer to "AIR CONDITIONER WIRING")
16	\$	CLAMP (4)		631 999 C1	PAD, rubber (Condenser motor mounting) (4)
17	631 974 C1	HOSE, heater	48	736 101 C1	SEAL, rubber (Replaces 647 866 C1) (4)
18	631 974 C1	HOSE, heater	49	647 865 C1	SEAL, rubber (Order SEAL, 736 100 C1 and SEAL, 736 099 C1)
20	\$	NUT, spring (4)	49	736 100 C1	SEAL, rubber
21	\$	WASHER, flat (12)	50	647 864 C1	SEAL, rubber (Order SEAL, 736 099 C1 and SEAL, 736 100 C91)
22	\$	ARM, LH door	50	736 099 C1	SEAL, rubber
23	\$	ARM, RH door	51	\$	RIVET, pop (8)
24	\$	PLATE, back-up	52	\$	DIAPHRAGM, rubber (4)
25		HOSE, heater (Cut length 13" long from bulk HOSE, 117 724 C1)	53	647 882 C1	WASHER, flat (12)
26	736 091 C1	VALVE, water (Replaces 631 970 C91)	54		SEAL (Order KIT, 647 678 C91)
27	\$	BRACKET, heater mounting, RH	55		SEAL (Order KIT, 647 678 C91)
28	647 851 C1	SPRING	56	647 869 C1	PAN, mounting
29	\$	TUBE, guide	57	736 087 C1	FILTER w/GASKET, air (Replaces 647 671 C91) (2)
30	\$	SLEEVE, tube			

SUPERSTRUCTURE

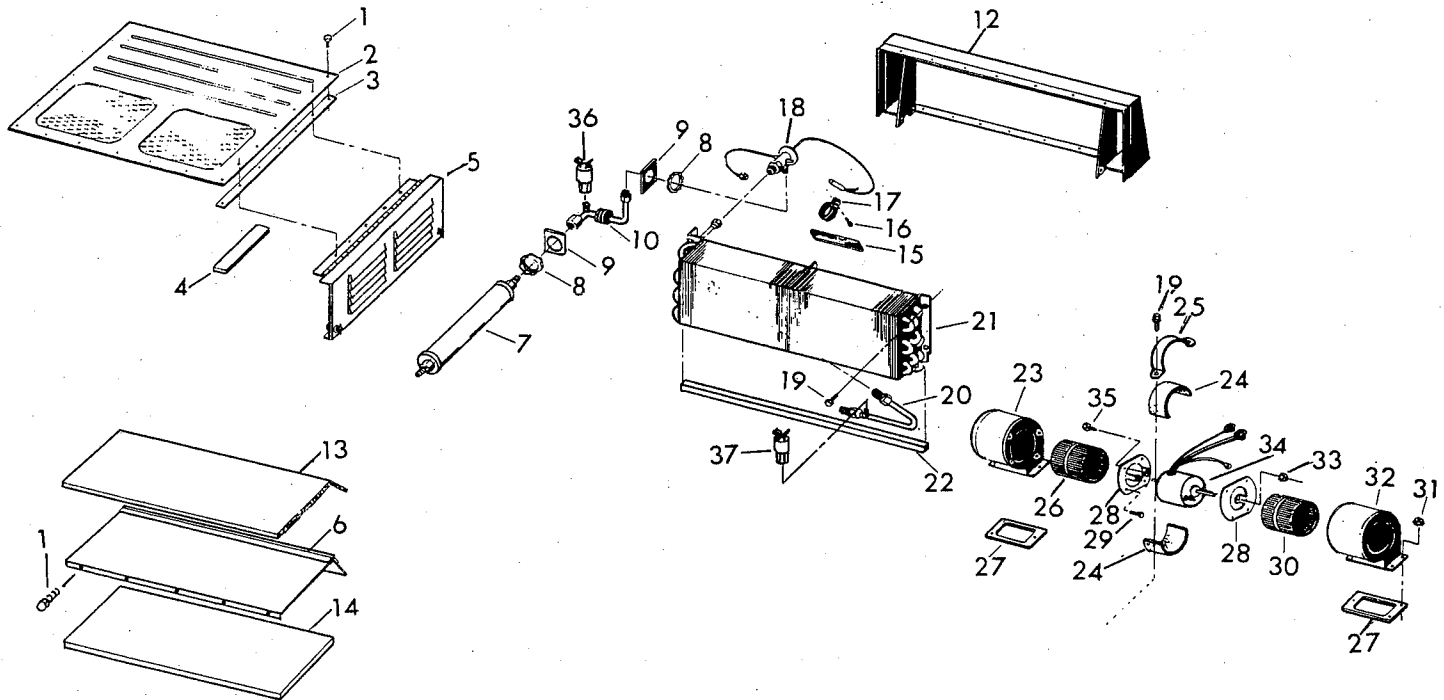
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONER - Continued (Condenser and Evaporator)					
58	\$	SEAL, foam (2)			
59	647 861 C1	SEAL, foam (Order FILTER, 736 087 C1) (4)			
61	\$	SEAL, foam (2)			
62	115 329 R1	GROMMET (Replaces 631 973 C1)(4)			
63	647 860 C1	SEAL, foam (Order FILTER, 736 087 C1) (2)			
64	\$	PLUG, button (2)			
65	115 329 R1	GROMMET (Replaces,631 982 C1)(2)			
66	\$	CHASSIS			
67	\$	BUSHING (2)			
69	647 854 C1	SHAFT, knob			
70	\$	ROLL PIN			
71	\$	COUPLING			
72	\$	WASHER, flat (2)			
73	\$	ARM, pivot			
74	\$	NUT, hex			
75	\$	NUT, hex-jam			
76	736 095 C1	BRACKET, bottom pan extension			
77	864 456 R1	ELBOW, 90° hose (2)			
78	80 438 R1	SPACER			
	117 724 C1	HOSE, bulk (5/8" ID)(#)(x)			
	647 678 C91	KIT, roof seal (2)			

- Part Number Covers One Foot Of Hose.
x - As Required.

SUPERSTRUCTURE

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

AIR CONDITIONER (Condenser and Evaporator)



CE108978 A

1	\$	SCREW, hex-hd cap (24)	15	\$	TAP, rubberized asphalt
2	647 821 C1	COVER, top	16	\$	SCREW, spinlock
3	\$	SEAL, foam (2)	17	\$	CLAMP, bulb
4	\$	SEAL, foam (2)	18	647 667 C91	VALVE, expansion
5	736 092 C91	DOOR w/KIT, 647 677 C91, filter (Replaces, 647 676 C91) (2)	19	26 056 R1	SCREW, hex-hd cap (6)
6	647 825 C1	COVER, evaporator	20	736 102 C1	TUBE, bulkhead (Replaces, 647 830 C1)
7	647 668 C91	RECEIVER, dehydrator	21	647 664 C91	COIL, evaporator
8	647 878 C1	LOCK NUT (2)	22	\$	SEAL, rubber
9	\$	PLATE, bulk head mounting (2)	23	\$	HOUSING, LH blower
10	736 098 C1	TUBE, w/SIGHT GLASS (Replaces, 647 828 C1)	24	631 993 C1	PAD, rubber (2)
12	647 824 C1	CAP, front end	25	647 844 C1	STRAP, motor mounting
13	\$	INSULATION, foam	26	644 319 C1	WHEEL, blower, clockwise
14	\$	SEAL, foam	27	\$	SEAL, rubber (2)

SUPERSTRUCTURE

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

AIR CONDITIONER - Continued (Condenser and Evaporator)

28	\$	PLATE, blower mounting (2)			
29	26 976 R1	SCREW, hex-hd cap (8)			
30	644 318 C1	WHEEL, blower, counterclockwise			
31	\$	NUT, hex (6)			
32	\$	HOUSING, RH blower			
33	\$	NUT and LOCKWASHER			
34		MOTOR, evaporator (Refer to "AIR CONDITIONER WIRING")			
35	\$	SCREW and LOCKWASHER (2)			
36		SWITCH, hi pressure (Refer to "AIR CONDITIONER WIRING")			
37		SWITCH, lo pressure (Refer to "AIR CONDITIONER WIRING")			
	647 677 C91	KIT, door latch (2)			

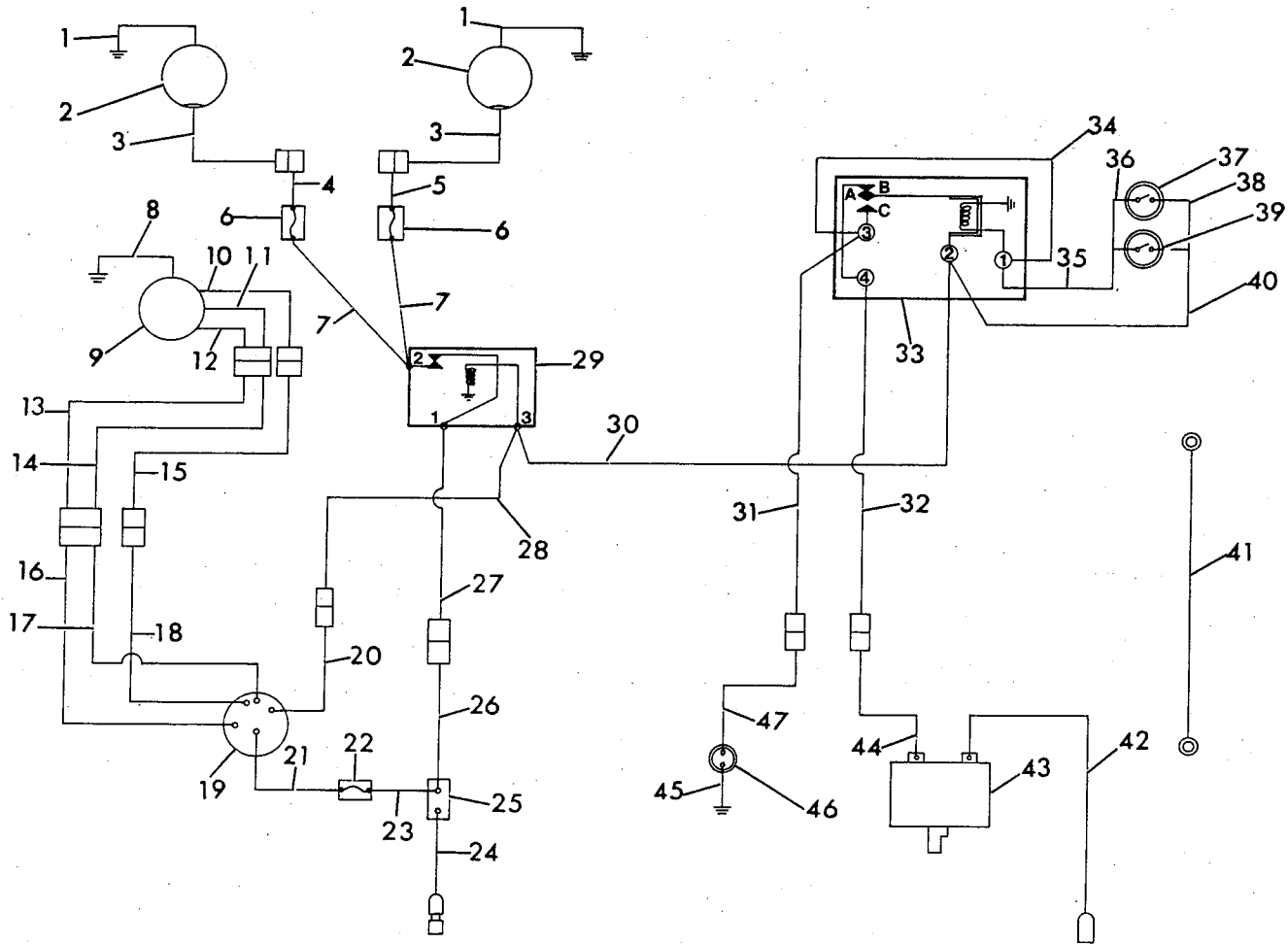
SUPERSTRUCTURE

MEMORANDA

SUPERSTRUCTURE

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

AIR CONDITIONING WIRING



PL-117623

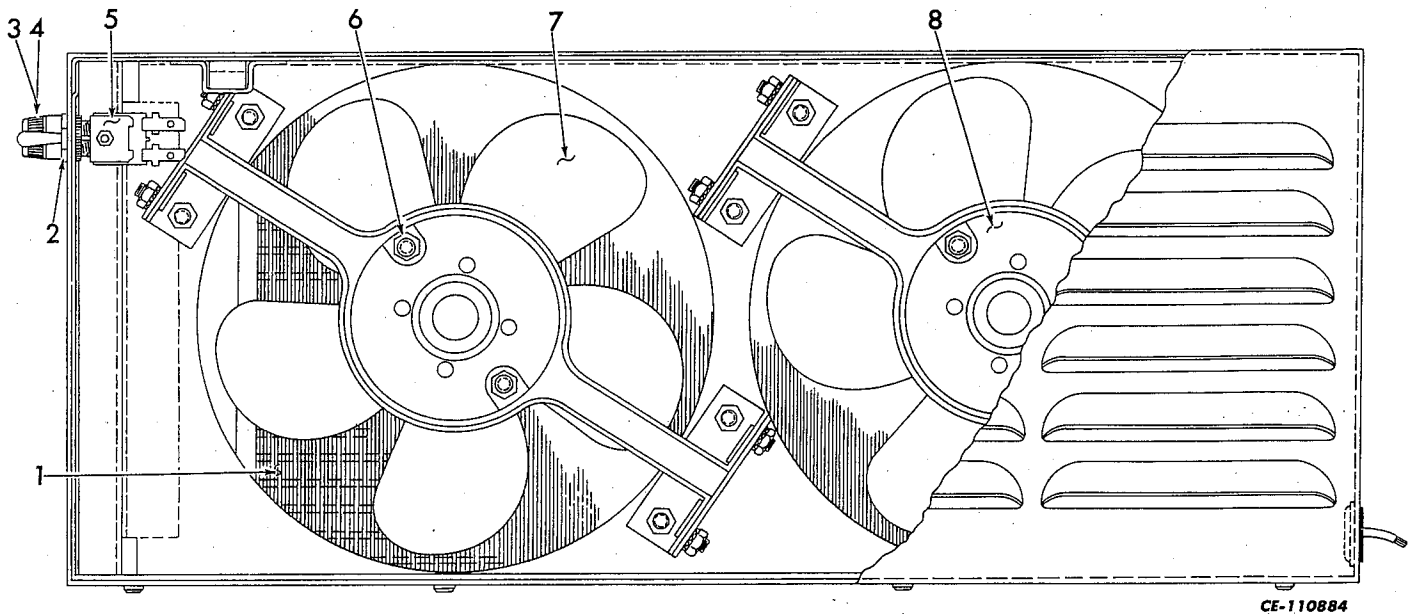
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONING WIRING – Continued			23	\$	CABLE, junction block to circuit breaker (Red)
1		CABLE, condenser motor ground (Black)(Part of condenser motor)	24	\$	CABLE, power feed
2	647 670 C91	MOTOR, condenser (2)	25	\$	BLOCK, junction
3		CABLE, condenser motor power lead (Black)(Part of condenser motor)	26	\$	CABLE, junction block to condenser motor relay No. 1 terminal (Red)
4	\$	CABLE, circuit breaker to condenser motor	27	\$	CABLE, junction block to condenser motor relay No. 1 terminal (Red)
5	\$	CABLE, circuit breaker to condenser motor	28		CABLE, blower switch to condenser motor relay No. 3 terminal (Black) (Part of HARNESS)
6	739 525 C1	BREAKER, circuit (2)	29	251 644 C91	RELAY, condenser motor
7	\$	CABLE, condenser motor relay No. 2 terminal to circuit breaker (2)	30		CABLE, condenser motor relay No. 3 terminal to safety control relay No. 2 terminal (Part of HARNESS)
8		CABLE, evaporator motor ground (Black)(Part of evaporator motor)	31		CABLE, safety control relay No. 3 terminal to signal light (White) (Part of HARNESS)
9	631 991 C91	MOTOR, evaporator	32		CABLE, safety control relay No. 4 terminal to thermostat switch (Black and Orange)(Part of HARNESS)
10		CABLE, evaporator motor medium speed (Green)(Part of evaporator motor)	33	736 088 C1	RELAY, safety control
11		CABLE, evaporator motor high speed (Orange)(Part of evaporator motor)	34		CABLE, safety control relay No. 1 terminal to No. 3 terminal (Part of HARNESS)
12		CABLE, evaporator motor low speed (Blue) (Part of evaporator motor)	35		CABLE, low pressure switch to safety control relay No. 1 terminal (Part of HARNESS)
13		CABLE, blower switch low speed (Light Blue)(Part of HARNESS)	36		CABLE, high pressure switch to low pressure switch (Part of HARNESS)
14		CABLE, blower switch high speed (Orange)(Part of HARNESS)	37	740 012 C1	SWITCH, high pressure
15		CABLE, blower switch medium speed (Dark Green)(Part of HARNESS)	38		CABLE, low pressure switch to high pressure switch (Part of HARNESS)
16	\$	CABLE, blower switch low speed(Blue)	39	740 013 C1	SWITCH, low pressure
17	\$	CABLE, blower switch high speed (Orange)	40		CABLE, safety control relay No. 2 terminal to low pressure switch (Part of HARNESS)
18	\$	CABLE, blower switch medium speed (Green)	41		CABLE, ground (Black)(Part of HARNESS)
19	715 655 C1	SWITCH, blower	42	\$	CABLE, thermostat switch to clutch (Black and Orange)
20	\$	CABLE, blower switch to condenser motor relay No. 3 terminal	43	715 902 C1	SWITCH, thermostat
21	\$	CABLE, circuit breaker to blower switch (Red)			
22	1 132 147	BREAKER, circuit			

SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CONDITIONING WIRING — Continued			46	736 085 C1	LIGHT, signal
			47	\$	CABLE, safety control relay No. 3 terminal to signal light (White)
44	\$	CABLE, safety control relay No. 4 terminal to thermostat switch (Black and Orange)			
45	\$	CABLE, signal light ground			

HEATER ASSEMBLY



CE-110884

740 276 C91 HEATER ASSY., (Part of ATTACH-
MENT, 740 275 C91) (Not illust-
rated) (See NOTE)
4230 and up

5	5 257	SWITCH
6	6 076	NUT (20)
7	5 114	FAN (2)
8	20 228	MOTOR, 12 volt (2)

668 893 C92 HEATER ASSY. (Part of ATTACH-
MENT, 668 892 C92) (See
NOTE)
4229 and below
(Consists of the following parts -

1	1 052	CORE
2	5 029	VALVE, bleeder
3	5 247	FUSE
4	5 246	HOLDER, fuse

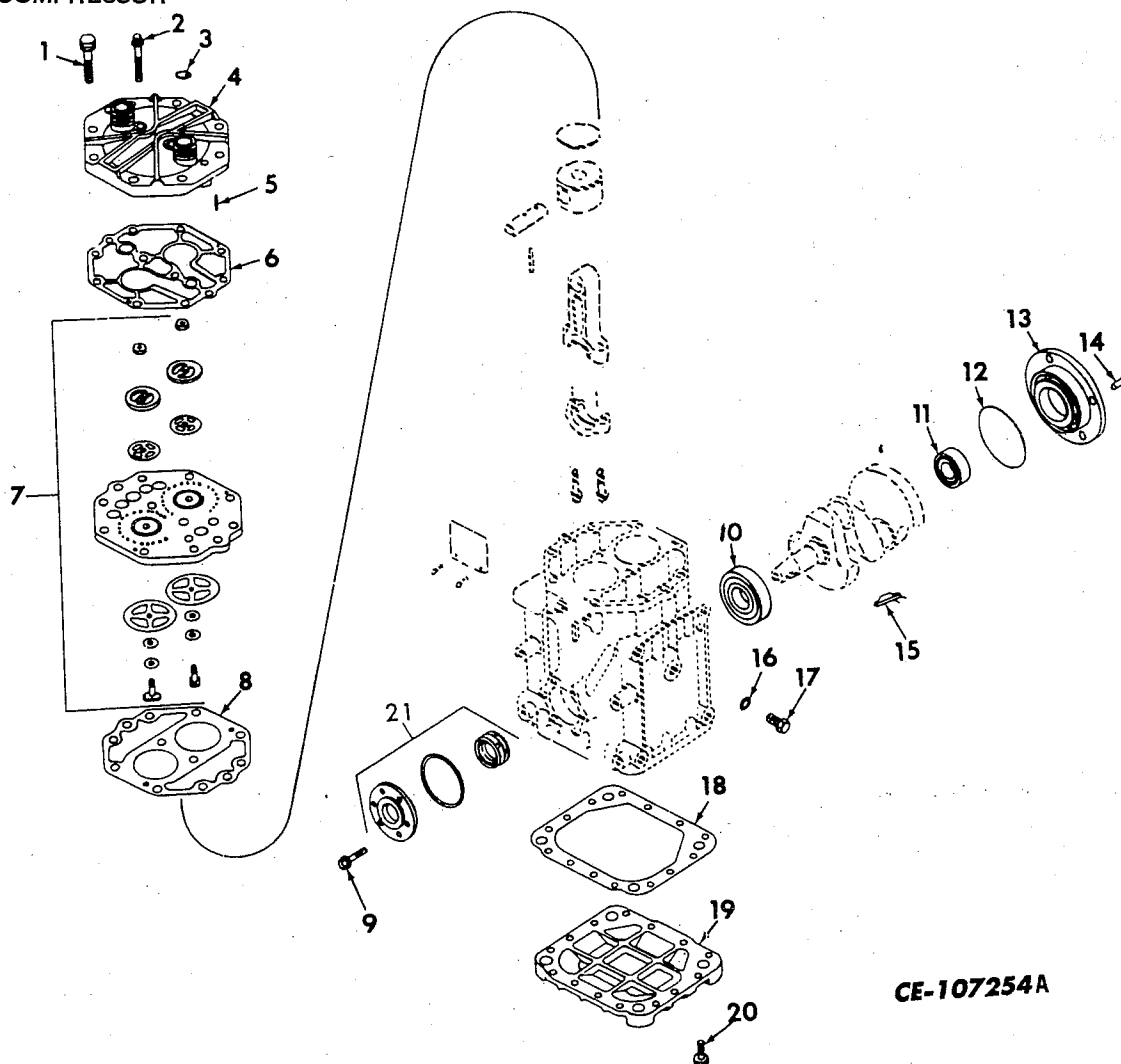
NOTE - For Service Parts Contact:

CAMPBELL CAB CORP.
120 West Kent Avenue
Wauconda, Illinois 60084

SUPERSTRUCTURE

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

FREON COMPRESSOR



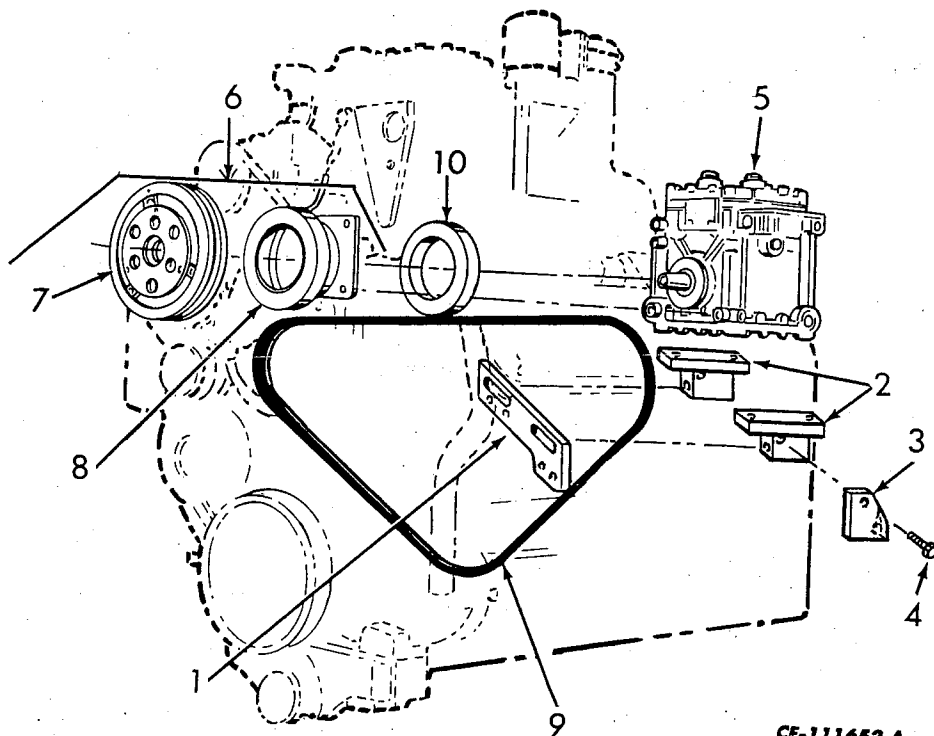
CE-107254A

	683 596 C91	COMPRESSOR ASSY., Freon(Part of ATTACHMENT, 710 465 C91) (Consists of—	11	432 398 C1	BEARING, rear
			12	431 763 C1	“O” RING
1	20 641 R1	BOLT (8)	13	431 757 C1	HOUSING, rear bearing
2	374 805 R1	BOLT, 12 point-hd (4)	14	120 585	SCREW, flanged-crescent-recessed hd (4)
3	118 469 C1	GASKET, service valve (2)	15	124 546	KEY, woodruff
4	431 758 C1	HEAD, cylinder	16	431 764 C1	“O” RING
5	21 274 R1	PIN, dowel (2)	17	445 073	PLUG
6	431 756 C1	GASKET, head	18	431 760 C2	GASKET, base plate
7	394 430 C91	PLATE, w/VALVES, compressor	19	431 755 C1	PLATE, base
8	431 761 C1	GASKET, valve plate	20	21 024 R1	BOLT (14)
9	443 874	BOLT (6)	21	428 606 C91	KIT, seal
10	432 399 C1	BEARING, front		432 418 C1	CAP, dust

SUPERSTRUCTURE

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

FREON COMPRESSOR AND RELATED PARTS (For Machines Equipped w/Cab and Air Conditioning)



CE-111652 A

	710 465 C91	ATTACHMENT, air conditioner FREON compressor and related parts (Also part of PACKAGE, 710 461 C91) (See Note 3) (Consists of -	7	634 801 C1	PULLEY, clutch
1	683 775 C1	PLATE, freon compressor support (2)	8	634 349 C1	COIL, clutch
2	683 769 C1	SUPPORT, freon compressor (2)	9	683 846 C1	BELT, compressor
	24 844 R1	SCREW, hex-hd cap (5)	10	70 833 C1	SEAL, dust
	25 544 R1	WASHER, hardened (10)		634 802 C91	KIT, mounting hardware (Part of CLUTCH, 683 708 C91) (Consists of
	25 522 R1	NUT (5)			§ 1 SCREW
3	683 772 C1	SUPPORT, compressor adjusting			§ 4 SCREW
	26 312 R1	SCREW, hex-hd cap			§ 1 WASHER)
	25 544 R1	WASHER, hardened (2)			
	25 522 R1	NUT			
4	683 100 C1	BOLT, compressor adjusting			
	25 534 R1	WASHER, flat			
	25 932 R1	NUT, jam			
5		COMPRESSOR, freon(Refer to "FREON COMPRESSOR")			
	271 329 R1	STUD, compressor mounting (4)			
	25 534 R1	WASHER, flat (4)			
	9 413 980	NUT (4)			
6	683 708 C91	CLUTCH w/COIL, 634 349 C1, PULLEY, 634 801 C1 and KIT, 634 802 C91, magnetic			

§ - Not furnished separately

NOTE 3- Field Application - Order
Through Regular Service Parts Channels.

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

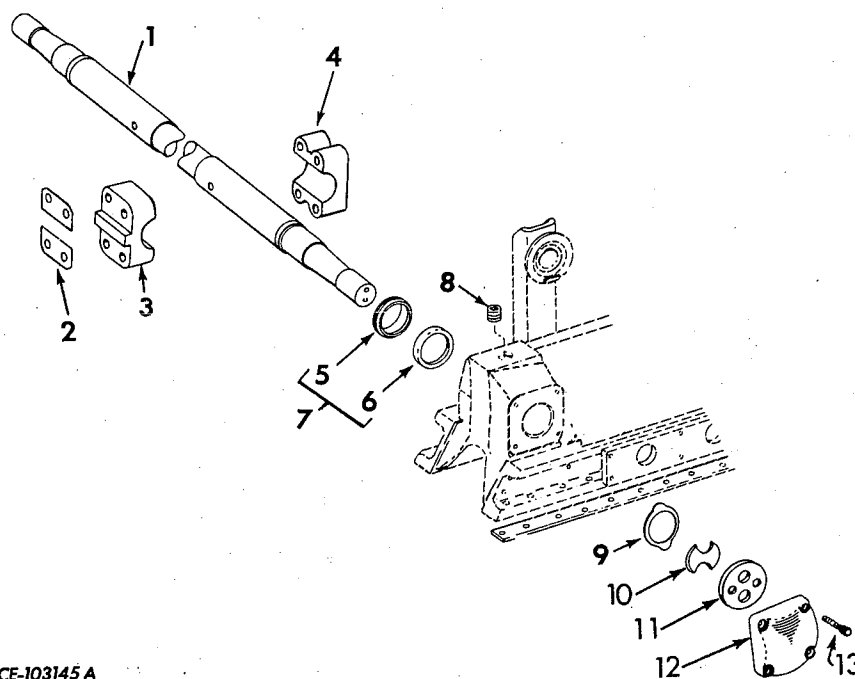
SUSPENSION

14

SUSPENSION

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

PIVOT SHAFT (Not For Low Ground Pressure)



CE-103145 A

1	334 169 R5	SHAFT, track frame pivot	11	334 173 R3 25 356 R1	PLATE, track frame thrust (2) SCREW, hex-hd cap (4)
2	334 838 R1	SHIM, shaft spacer (.060") (x)	12	707 585 C1	COVER, pivot shaft (With four SCREW 25 053 R1, four WASHER 25 537 R1, and two PLATE 330 690 R2, will work for COVER 330 689 R1) (With two PLATE 330 690 R2 will work for COVER 655 691 C1) (2)
2	334 839 R1	SHIM, shaft spacer (.054") (x)			
2	334 840 R1	SHIM, shaft spacer (.048") (x) ✓			
2	334 841 R1	SHIM, shaft spacer (.042") (x) ✓			
2	612 709 C1	SHIM, shaft spacer (.002") (x)			
3		SPACER, pivot shaft (Order CAP and SPACER, 343 028 R91) (2)	13	25 053 R1 25 537 R1	SCREW, hex-hd cap (Used with COVER, 655 691 C1) (8) WASHER, flat (8)
4		CAP, pivot shaft (Order CAP and SPACER, 343 028 R91) (2)	13	330 559 R1	SCREW, pivot shaft cover (Use with COVER, 330 689 R1) (8)
5		SEAL, oil (Order SEAL w/SLEEVE, 341 986 R91) (2)		343 028 R91 26 015 R1	CAP and SPACER, pivot shaft SCREW, 1 x 7-1/2" hex-hd cap (8)
6		SLEEVE, oil seal (Order SEAL with SLEEVE, 341 986 R92) (2)		109 461	FITTING, lube (For use on COVERS 330 689 R1 and 655 691 C1)
7	341 986 R92	SEAL w/SLEEVE, pivot shaft oil (x)			
8	270 835 R1	PLUG, pivot shaft housing filler (2)			
9	330 690 R2	PLATE, pivot shaft wear (4)			
10	331 931 R2	SHIM, pivot shaft (.060") (2)			
10	334 174 R2	SHIM, pivot shaft (.007") (x)			

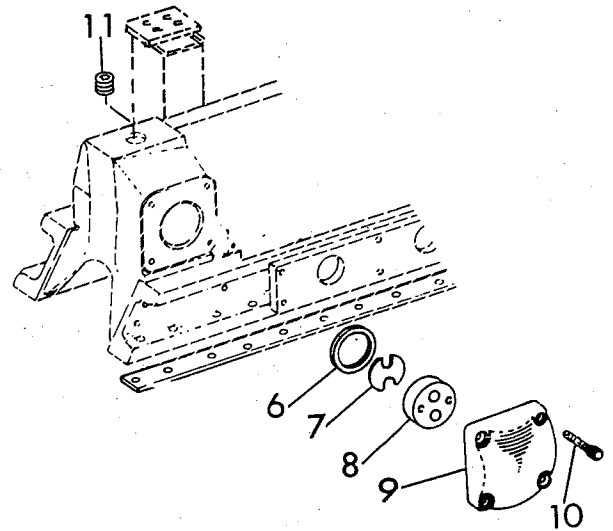
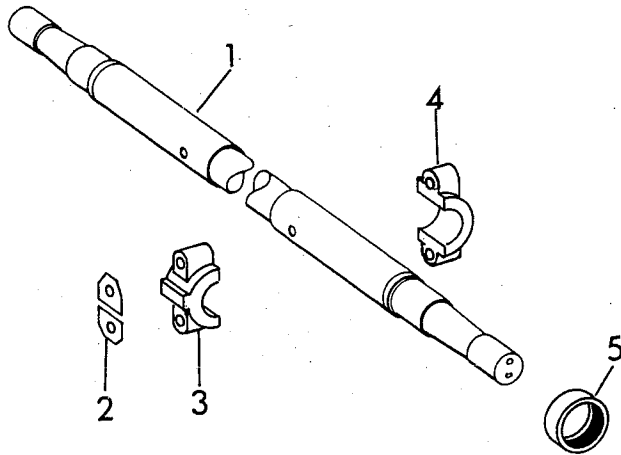
(x) - As Required.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION

PIVOT SHAFT (For Low Ground Pressure)



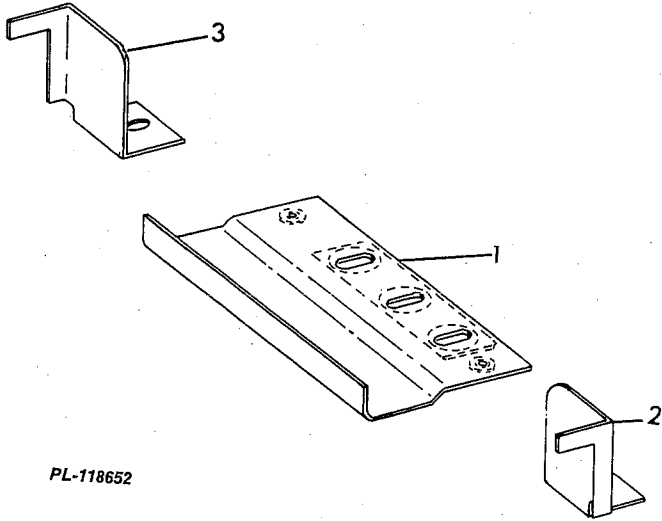
PL118332

1	715 580 C1	SHAFT, track frame pivot	7	331 931 R2	SHIM, pivot shaft (.060") (2)
2	334 964 R1	SHIM, shaft spacer (.060") (4)	7	334 174 R2	SHIM, pivot shaft (.007") (2)
2	334 965 R1	SHIM, shaft spacer (.054") (4)	8	334 173 R3	PLATE, track frame thrust (2)
2	334 966 R1	SHIM, shaft spacer (.048") (4)	25 356 R1		SCREW, hex-hd
2	334 967 R1	SHIM, shaft spacer (.042") (4)	9	707 585 C1	COVER, pivot shaft
2	612 710 R1	SHIM, shaft spacer (.002") (4)	10	24 876 R1	SCREW, hex-hd cap (8)
3		SPACER, pivot shaft (Order CAP and SPACER, 715 600 C1) (2)	25 537 R1		WASHER, flat (8)
4		CAP, pivot shaft (Order CAP and SPACER, 715 600 C1) (2)	11	270 835 R1	PLUG, pivot shaft housing filler (2)
5	715 542 C1	SEAL, pivot shaft oil (2)	715 600 C1		CAP and SPACER, pivot shaft (2)
6	330 690 R2	PLATE, pivot shaft wear (4)	25 992 R1		BOLT (4)
			25 541 R1		WASHER, hardened (4)

SUSPENSION

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

PIVOT SHAFT AREA GUARD
(Not used with Swinging Drawbar)
(For Low Ground Pressure)

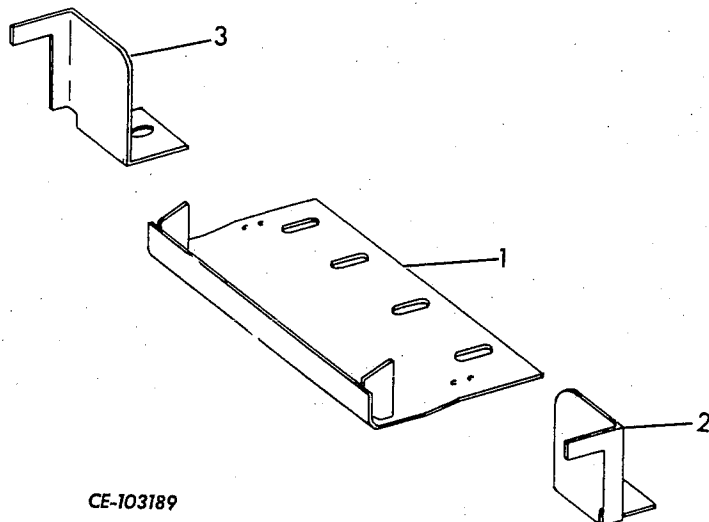


1	717 355 C1	GUARD, pivot shaft area
	27 434 R1	SCREW, hex-hd (3)
	611 789 C1	WASHER, hardened (3)
2	717 358 C1	GUARD, LH side
	24 840 R1	SCREW, 3/8 x 1" hex-hd cap
	115 093	WASHER, lock
	618 209 C1	WASHER, hardened
3	717 359 C1	GUARD, RH side
	24 840 R1	SCREW, 3/8 x 1" hex-hd cap(A)
	115 093	WASHER, lock
	618 209 C1	WASHER, hardened

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION

PIVOT SHAFT AREA GUARD
(Not used with Swinging Drawbar)
(Not For Low Ground Pressure)



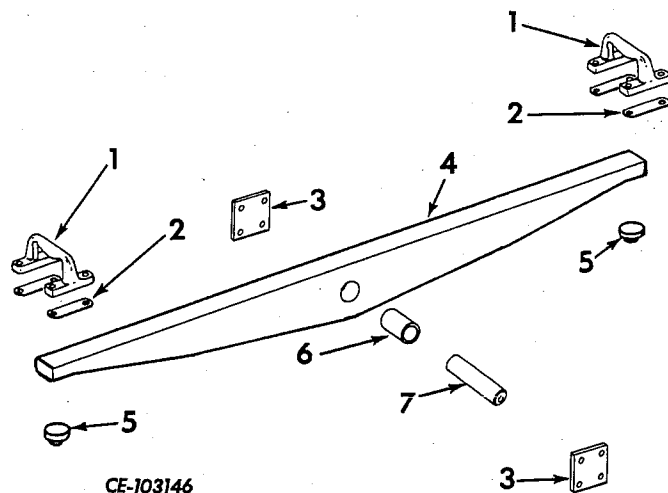
CE-103189

A	629 474 C91	ATTACHMENT, pivot shaft area guard (Not for models equipped with severe service front frame bottom guard door attachment) (See NOTE 3)
B	629 476 C91	ATTACHMENT, pivot shaft area guard (For models equipped with severe service front frame bottom guard door attachment) (See NOTE 3)
1	650 952 C1 27 434 R1 24 879 R1 611 789 C1	GUARD, pivot shaft area SCREW, 5/8 x 2-1/4" hex-hd cap nylok (A) (4) SCREW, 5/8 x 3" hex-hd cap (B) (4) WASHER, hardened (4)
2	650 950 C1 24 840 R1 24 842 R1 650 955 C1 115 093 618 209 C1	GUARD, LH side SCREW, 3/8 x 1" hex-hd cap (A) SCREW, 3/8 x 1-3/4" hex-hd cap (B) SPACER, side guard (B) WASHER, lock WASHER, hardened
3	650 951 C1 24 840 R1 24 842 R1 650 955 C1 115 093 618 209 C1	GUARD, RH side SCREW, 3/8 x 1" hex-hd cap (A) SCREW, 3/8 x 1-3/4" hex-hd cap (B) SPACER, side guard (B) WASHER, lock WASHER, hardened

NOTE 3: Field Application - Order through Regular Parts Channels.

REF. NO.	PART NUMBER	DESCRIPTION

STABILIZING LINKAGE



CE-103146

1	707 916 C1 24 873 R1 25 537 R1	BRACKET, equalizer bar rebound Replaced 330 688 R3 (2) SCREW, hex-hd cap (8) WASHER, flat (8)
2	330 692 R1	SHIM, rebound bracket (x)
3	603 282 C1 24 873 R1	PLATE, equalizer bar pivot shaft (2) SCREW, hex-hd cap (8)
4	609 624 C91	BAR, equalizer (Not For Low Ground Pressure) (Composed of - § 1 BAR 1 BUSHING 334 844 R2 1 DRAWING, IZG-6791 rework § 2 PAD, wear, 1/4" § 2 PAD, wear, 1/2"
4	740 228 C91	BAR w/BUSHING, 334 844 R2, equalizer (For Low Ground Pressure)
5	8 493 DA	PAD, equalizer bar (2)
6	334 844 R2	BUSHING, pivot shaft
7	603 279 C1	SHAFT, equalizer bar pivot

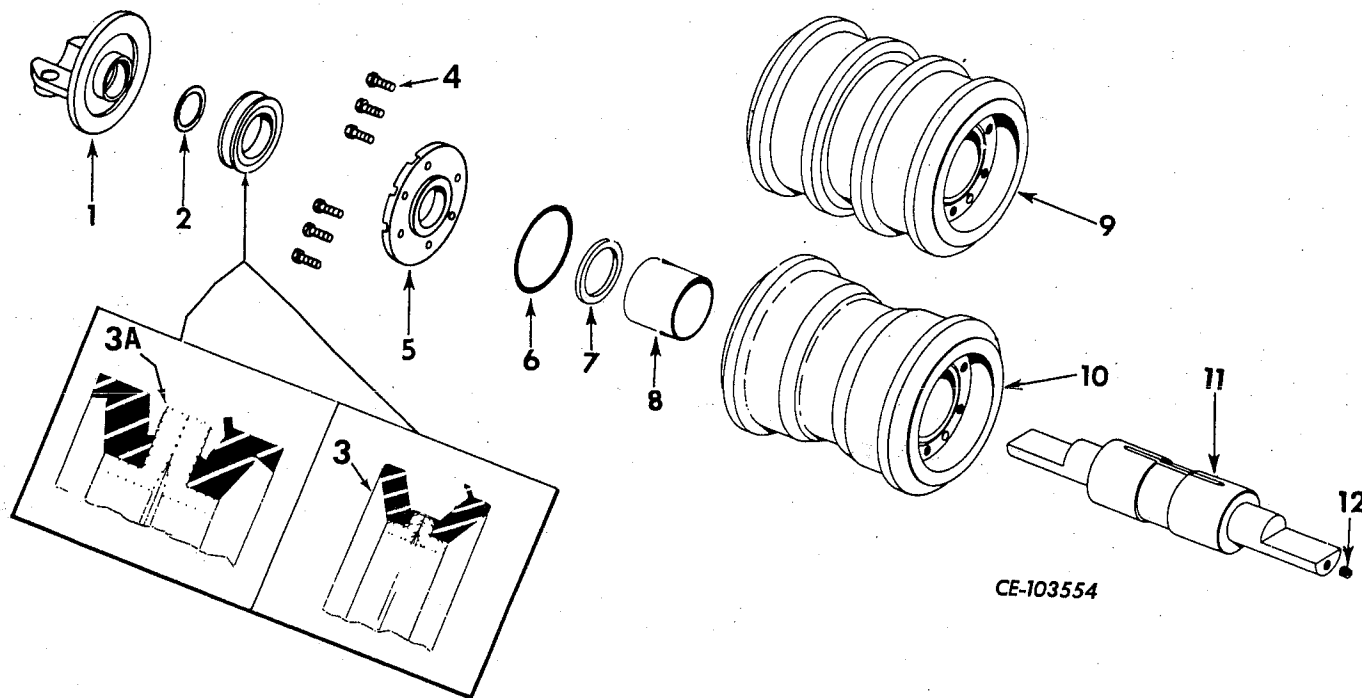
§ - Not Furnished Separately.

(x) - As Required.

SUSPENSION

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

TRACK ROLLER



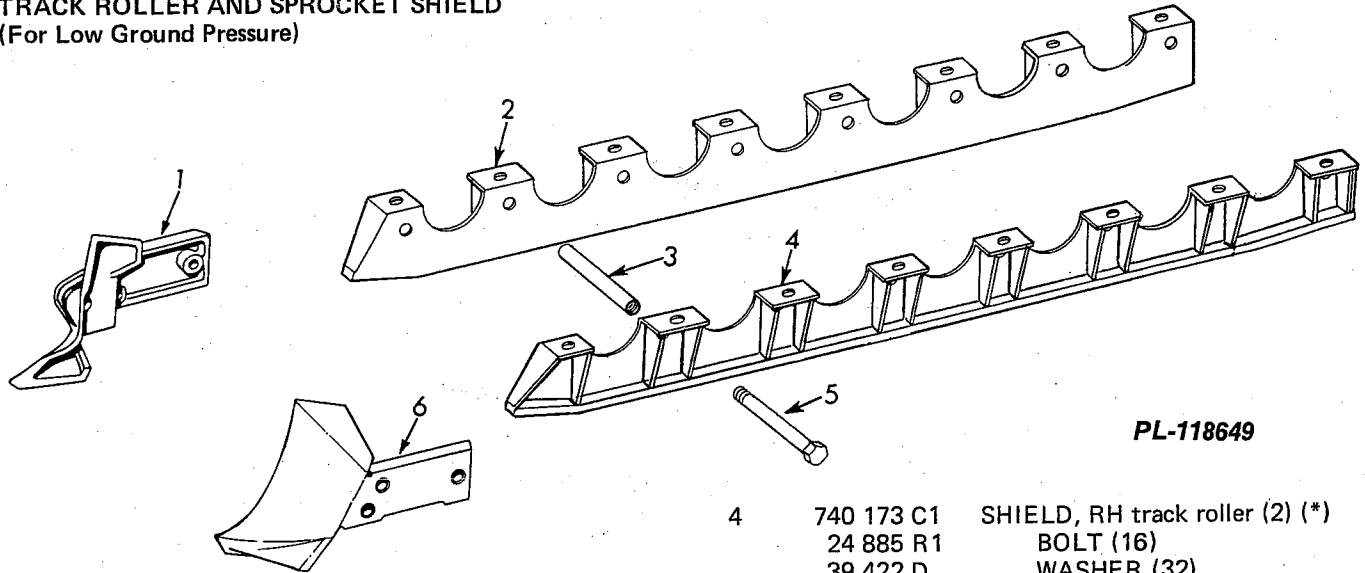
A	655 045 C92	ROLLER and SHAFT ASSY., track (Single Flange) (6)	9	655 044 C93	ROLLER, track with two BUSHING, 305 535 R3 (Double flange) (B)
B	655 046 C92	ROLLER and SHAFT ASSY., track (Double flange) (6 for standard) (8 for Low Ground Pressure)	10	655 043 C93	ROLLER, track w/two BUSHING, 305 535 R3 (Single flange) (A)
1	604 933 C2 19 885 R1 24 889 R1 39 422 D	BRACKET, track roller shaft (2) PIN, coiled spring (2) BOLT (4) WASHER (4)	11	305 533 R92	SHAFT, track roller
2	364 145 R1	"O" RING (2-1/8 x 2-5/16 x 3/32") (2)	12	268 996 R1	PLUG, track roller lubrication
3	662 590 C91	SEAL w/two WIPER and INSTRUCTION PAMPHLET, oil (Optional with SEAL, 655 969 C91) (2)		662 622 C91	PACKAGE, oil seal service (Consists of two RETAINER, two WASHER two WIPER and INSTRUCTION PAMPHLET (For service of SEAL, 662 590 C91) (x)
3A	655 969 C91	SEAL w/two WIPER and INSTRUCTION PAMPHLET, 1 085 226 R3 (Optional with SEAL, 662 590 C91) (2)		655 970 C91	PACKAGE, oil seal service (Consists of two RING, two RETAINER, two WIPER and INSTRUCTION PAMPHLET, 1 019 085 R2) (For service of SEAL, 655 969 C91) (x)
4	604 932 C1	BOLT, bushing retainer (2)		655 971 C91	PACKAGE, reunition field service (Consists of fifty plastic retainer bands) (For service of SEAL, 655 969 C91) (x)
5	604 931 C1	RETAINER, bushing (2)			
6	259 246 R1	"O" RING (3-7/8 x 4-1/8 x 1/8") (2)			
7	624 760 C1	WASHER, thrust (2)			
8	305 535 R3	BUSHING, track roller (2)			
8	305 542 R1	BUSHING, track roller (.030" oversize) (x)			

(x) - As Required.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION

TRACK ROLLER AND SPROCKET SHIELD (For Low Ground Pressure)



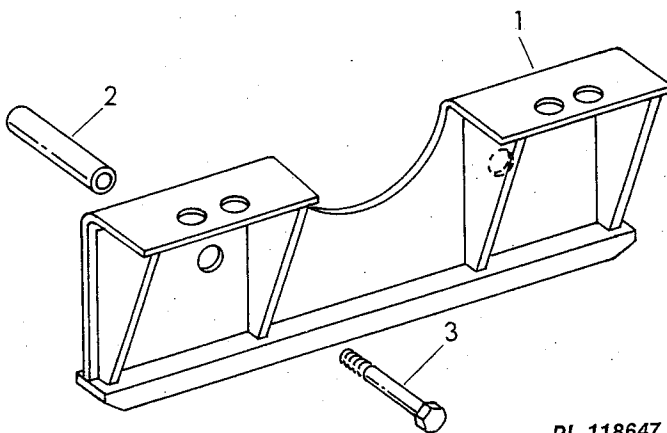
PL-118649

1	334 229 R2 24 892 R1 39 422 D	SHIELD, LH outer and RH inner sprocket rock (2) BOLT (6) WASHER (6)
2	740 172 C1 24 885 R1 39 422 D	SHIELD, LH track roller (2) (*) BOLT (16) WASHER (32)
3	616 462 C1	SPACER, track roller shield (16) (*)

4	740 173 C1 24 885 R1 39 422 D	SHIELD, RH track roller (2) (*) BOLT (16) WASHER (32)
5	25 990 R1 25 529 R1	BOLT, 12" long (16) (*) NUT (16)
6	334 230 R2 24 892 R1 39 422 D	SHIELD, RH outer and LH inner sprocket rock (2) (*) BOLT (6) WASHER (6)

(*) - Not Used With Track Frame Center Guard.

TRACK FRAME CENTER GUARD (For Low Ground Pressure) (Not used w/Track Roller Shield)



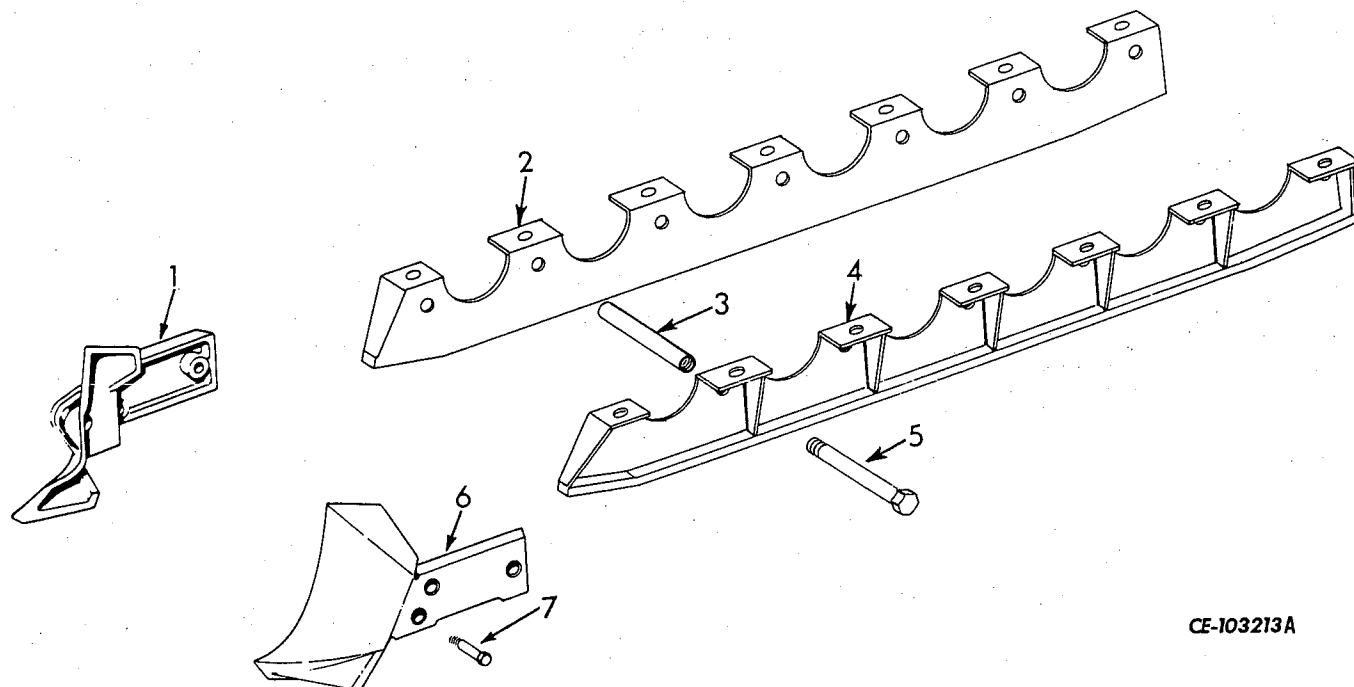
PL-118647

1	715 595 C1 24 885 R1 39 422 D	GUIDE, track chain (4) SCREW, hex-hd cap (16) WASHER (16)
2	616 462 C1	SPACER, track chain guide (4)
3	25 990 R1 25 529 R1	BOLT, track chain guide (4) NUT, (4)

SUSPENSION

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

TRACK ROLLER AND SPROCKET SHIELD (Not For Low Ground Pressure)



CE-103213A

	655 584 C91	ATTACHMENT, track roller and sprocket shield (See NOTES 1 and 3)	5	24 886 R1	SCREW, 1-1/2" long hex-hd cap (Used with SPACER, 655 246 C1) (28)
1	334 229 R2	SHIELD, LH outer and RH inner sprocket rock (2)		39 422 D111	WASHER, flat (28)
2	655 549 C1	SHIELD, LH track roller (2)	5	25 990 R1	SCREW, 12" long hex-hd cap (Used with SPACER, 616 462 C1) (14)
	24 886 R1	SCREW, hex-hd cap (14)		25 529 R1	NUT (14)
	39 422 D	WASHER, hardened (14)		39 422 D	WASHER, flat (14)
3	616 462 C1	SPACER, track roller shield (Together with NUT, 25 529 R1 and SCREW, 25 990 R1, will work for SPACER, 655 246 C1) (14)	6	334 230 R2	SHIELD, RH outer and LH inner sprocket rock (2)
4	655 550 C1	SHIELD, RH track roller (2)	7	24 892 R1	BOLT, sprocket shield (12)
	24 886 R1	SCREW, hex-hd cap (14)		39 422 D	WASHER, flat (12)
	39 422 D	WASHER, flat (14)			

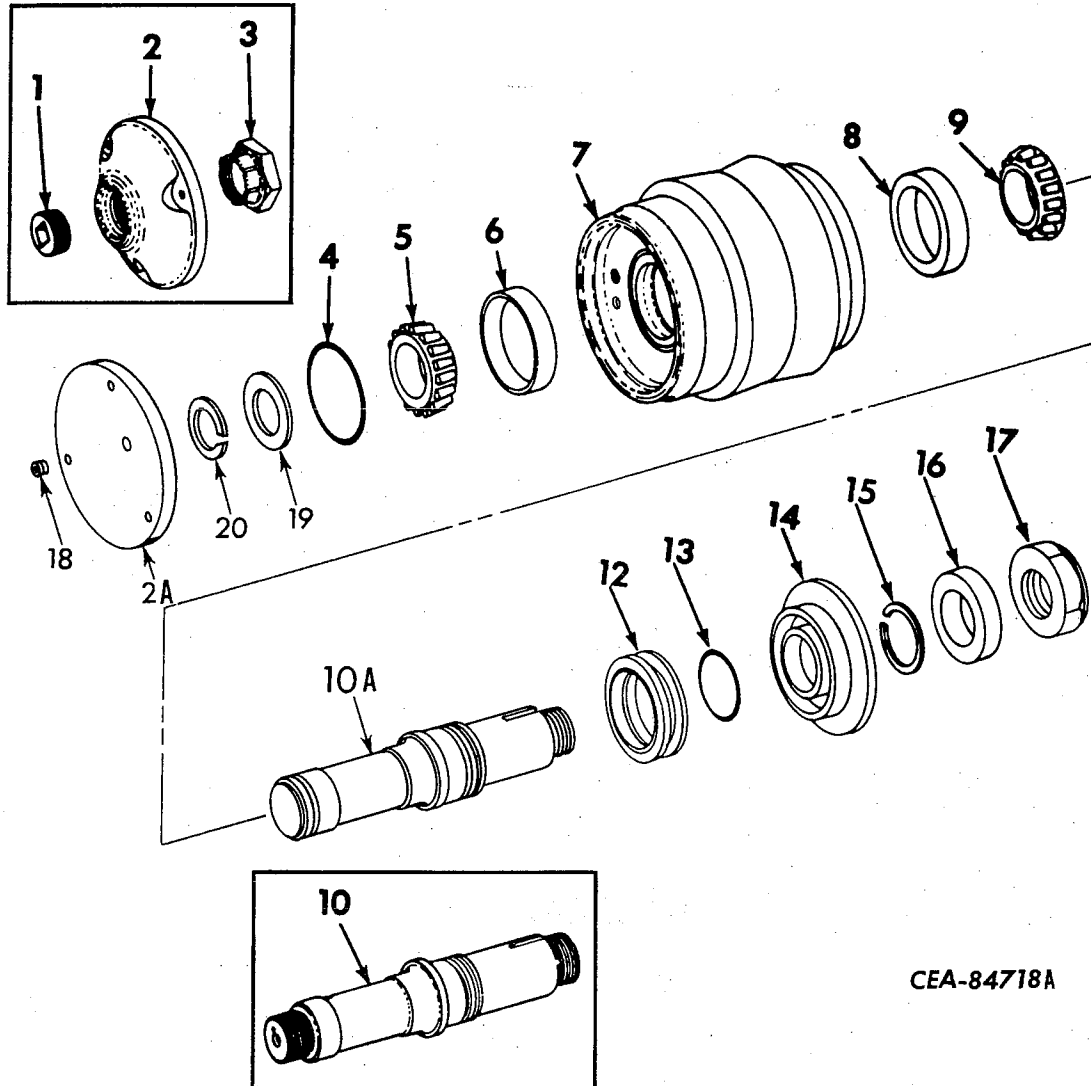
NOTE 1: Factory Application - Order on Machine Order Form.

NOTE 3: Field Application - Order through Regular Parts Channels.

SUSPENSION

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

TRACK IDLER (Not For Low Ground Pressure)



CEA-84718A

609 600 C93	IDLER ASSY., track (4) (Consists of -	7	609 599 C91	IDLER
1	271 647 R1 PLUG, cap(Used w/CAP,325 202 R1)	8	ST 970	CUP, inner bearing
2	325 202 R1 CAP(Used w/SHAFT,609 602 C1)	9	321 547 R91	CONE, inner bearing
	24 840 R1 SCREW, hex-hd cap (3)	10	609 602 C1	SHAFT,track idler
	115 093 WASHER, lock (3)			(Order the following parts—
2A	636 622 C1 COVER, track idler (Used w/SHAFT, 636 621 C1)			1 RING 258 400 C1
	24 840 R1 SCREW, hex-hd cap (3)			1 SHAFT 636 621 C1
	115 093 WASHER, lock (3)			1 SPACER 636 623 C1
3	325 201 R1 NUT(Used w/SHAFT,609 602 C1)			1 SPACER 636 624 C1
	103 388 PIN, cotter			1 SPACER 636 650 C1)
4	259 246 R1 "O" RING (3-7/8 x 4-1/8 x 1/8")	10A	636 621 C1	SHAFT, track idler
5	298 029 R91 CONE, outer bearing	12	655 973 C91	SEAL w/two WIPER and INSTRU- TION PAMPHLET, 1 085 226 R3 oil (Optional w/SEAL 662 591 C91) (2)
6	ST 970 CUP, outer bearing			

SUSPENSION

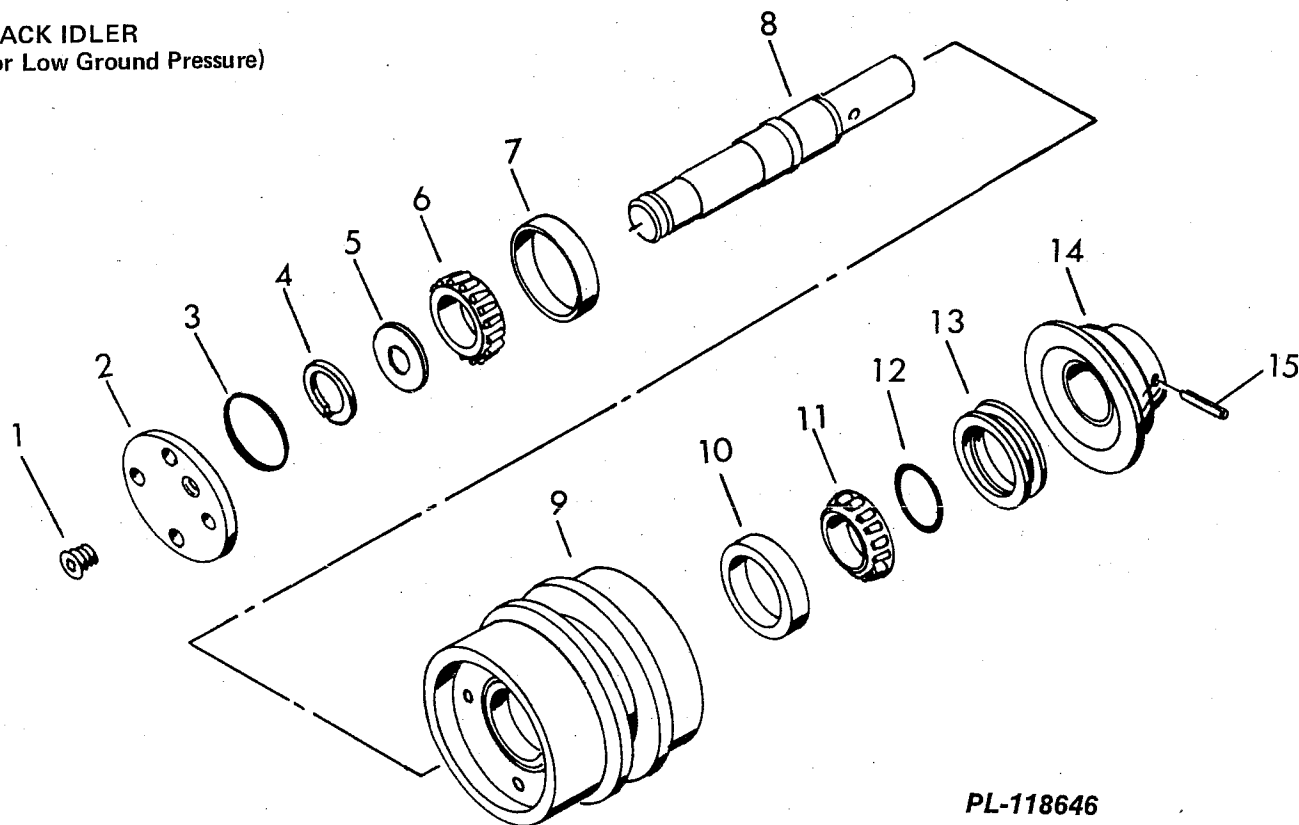
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK IDLER—Continued (Not For Low Ground Pressure)					
12	662 591 C91	SEAL w/two WIPER and INSTRUCTION PAMPHLET, oil (Optional w/SEAL, 655 973 C91) (2)			
13	293 726 R1	"O" RING (2-1/4 x 2-1/2 x 1/8")			
14	607 907 C2	RETAINER, seal			
15	606 936 C1	RING, snap			
16	331 994 R1	WASHER, track idler			
17	18 583 R1	NUT, Esna			
18	268 996 R1	PLUG, cap(Used w/CAP,636 622 C1)			
19	636 623 C1	SPACER(.088)(Used w/SHAFT, 636 621 C1) (x)			
19	636 624 C1	SPACER (.091) (Used w/SHAFT, 636 621 C1) (x)			
19	636 650 C1	SPACER (.094) (Used w/SHAFT, 636 621 C1) (x)			
20	258 400 C1	RING, snap ring (Used w/SHAFT, 636 621 C1)			
	655 972 C91	PACKAGE, reunitization field service (Consists of fifty plastic retainer bands) (For service of SEAL, 655 973 C91) (x)			
	655 974 C91	PACKAGE, oil seal service (Consists of two rubber "J" RINGS, two RETAINER TAPES, two WIPERS and INSTRUCTION PAMPHLET, 1 019 085 R2) (For service of SEAL, 655 973 C91) (x)			
	606 625 C91	PACKAGE, reunitization field service (Consists of fifty plastic retainer bands) (For service of SEAL, 662 591 C91) (x)			
	606 132 C91	PACKAGE, oil seal service (Consists of two rubber "J" RINGS, two RETAINER TAPES, two WIPERS and INSTRUCTION PAMPHLET, 1 019 085 R2) (For service of SEAL, 662 591 C91) (x)			

(x) - As Required.

SUSPENSION

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

TRACK IDLER (For Low Ground Pressure)



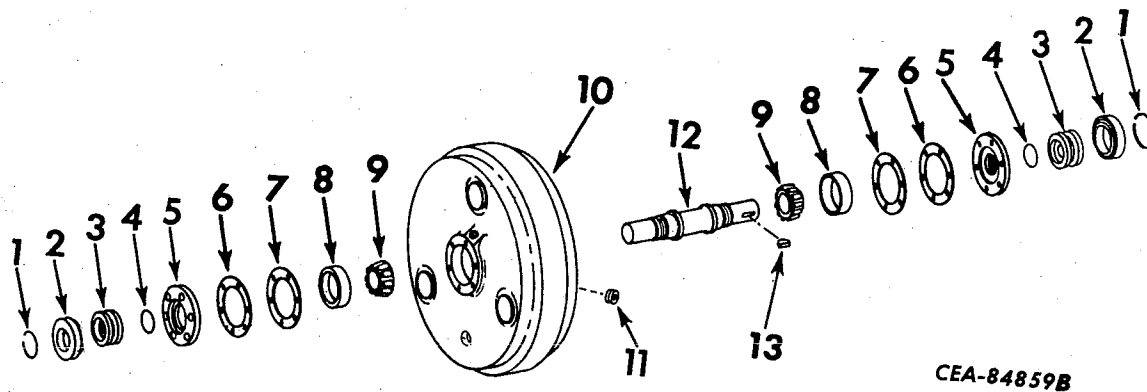
PL-118646

	707 870 C91	IDLER ASSY., track (4) (Consists of—	10	625 743 C1	CUP, inner bearing
1	268 996 R1	PLUG, cap	11	625 742 C1	CONE, inner bearing
2	636 884 C1	COVER, track idler	12	384 377 R1	RING, sealing
	24 840 R1	BOLT (4)	13	655 973 C91	OIL SEAL w/PAMPHLET, track idler
	115 093	WASHER, lock (4)	13	662 591 C91	OIL SEAL w/PAMPHLET, track idler
3	317 923 R1	RING, sealing	14	636 881 C2	RETAINER, seal
4	327 068 R1	RING, snap	15	25 566 R1	PIN, coiled spring
5	636 885 C1	SPACER, top idler bearing (.088"O			
5	636 886 C1	SPACER, top idler bearing(.091")(x)			
5	636 887 C1	SPACER, top idler bearing(.094")(x)			
6	631 170 C91	CONE, outer bearing			
7	376 463 C1	CUP, outer bearing			
8	707 872 C1	SHAFT, top idler			
9	707 871 C1	IDLER, top idler			

SUSPENSION

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

FRONT IDLERS



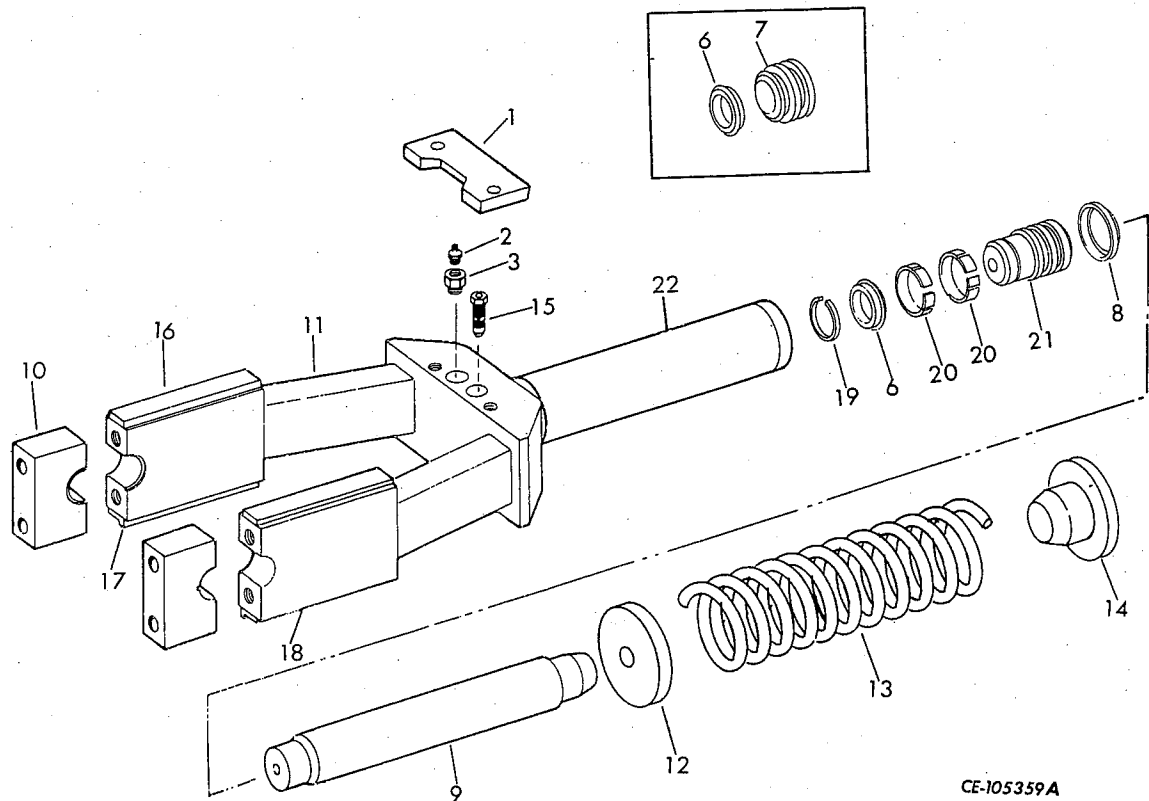
1	606 936 C1	RING, snap (4)	655 972 C91	PACKAGE, reunitionization field service (Consists of fifty plastic RETAINER BANDS) (For service of SEAL, 655 973 C91) (x)	
2	620 119 C2	RETAINER, oil seal (4)	655 974 C91	PACKAGE, oil seal service (Consists of two rubber "J" RINGS, two RETAINER TAPES, two WIPERS and INSTRUCTION PAMPHLET, 1 019 085 R2) (For service of SEAL, 655 973 C91) (x)	
3	655 973 C91	SEAL w/two WIPER and INSTRUCTION PAMPHLET, 1 085 226 R3, oil (Optional w/SEAL, 662 591 C91) (2)	606 625 C91	PACKAGE, reunitionization field service (Consists of fifty plastic RETAINER BANDS) (For service of SEAL, 662 591 C91) (x)	
3	662 591 C91	SEAL w/two WIPER and INSTRUCTION PAMPHLET, oil (Optional w/SEAL, 655 973 C91) (2)	606 132 C91	PACKAGE, oil seal service (Consists of two rubber "J" RINGS, two RETAINER TAPES, two WIPERS and INSTRUCTION PAMPHLET, 1 019 085 R2) (For service of SEAL, 662 591 C91) (x)	
4	293 726 R1	RING, sealing (4)			
5	620 120 C1	RETAINER, bearing (4)			
	27 002 R1	SCREW, hex-hd cap (24)			
	116 121	WASHER, lock (24)			
6	609 605 C1	SHIM, bearing retainer (.030") (8)			
7	609 604 C1	SHIM, bearing retainer (.0075") (x)			
8	13 363 D	CUP (4)			
9	ST 2 007 A	CONE (4)			
10	325 236 R31	IDLER w/PLUG, 270 835 R1, front (2)			
11	270 835 R1	PLUG (2)			
12	609 606 C3	SHAFT (2)			
13	117 996	KEY (No. 24 Woodruff) (2)			

(x) - As Required.

SUSPENSION

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

HYDRAULIC TRACK ADJUSTING FORK AND RELATED PARTS (1450 and Below)



CE-105359A

1	609 618 C1	SCRAPER, front idler (2) SCREW, hex-hd cap (4)	9	330 693 R2	ROD, hydraulic track adjusting (Not for Manual Shift Custom) (2)
2	109 461	FITTING, hydraulic track adjusting piston lubrication (2)	10	624 465 C1 117 996	CAP, front idler fork (4) KEY
3	319 628 R91	BALL CHECK, crossplate lubrication inlet (2)	11	703 321 C1	FORK, front idler (2) (Order the following -
6	609 616 C1	SEAL, hydraulic track adjuster piston (2)			2 BAR 620 121 C2
7	609 615 C1	BODY, hydraulic track adjuster piston (Order the following -			1 BLOCK 655 804 C1
		1 PISTON 629 256 C1			1 BLOCK 655 805 C1
		1 SEAL 609 616 C1			1 DRAWING CZG-1311
		2 RING 325 249 R1			1 DRAWING IZG-8913
		1 RING 336 000 R1)			1 DOOR 655 961 C1
					1 FORK 662 502 C1
					1 KEY 117 985
					4 PIN 19 838 R1)
8	609 617 C1	SCRAPER, hydraulic track adjuster piston (2)		117 985 271 618	KEY, woodruff SCREW, hex-hd (8)
9	337 650 R2	ROD, hydraulic track adjusting (For Manual Shift Custom) (2)	12	337 646 R1	SEAT, front track spring (2)
			13	325 223 R2	SPRING, track (2)
			14	337 647 R1	SEAT, rear track spring (2)

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC TRACK ADJUSTING FORK AND RELATED PARTS — Continued (1450 and below)					
15	662 799 C1	PLUG, hydraulic adjuster bleeder (Order Relief Valve 707 271 C1) (2)			DOOR, hydraulic track adjuster (Refer to "Front Idler Fork and Hydraulic Track Adjuster") SCREW, hex-hd cap (2)
	or				
15	319 628 R91	PLUG, hydraulic adjuster bleeder (Order Relief Valve 707 271 C1)(2)	24 875 R1		
	50 410 DA	PLUG, pipe			
15	707 271 C1	VALVE, relief (2)			
16	607 915 C1	PLATE, wear (Part of PACKAGE, 620 319 C91)			
16	620 319 C91	PACKAGE, front idler fork wear plate service (Consists of Plate, Wear, 607 915 C1, IZG-8999 front idler fork and wear bar location, and IZG-7408 weld instructions (Each package contains one bar)			
17	620 318 C91	PACKAGE, front idler guide bar service (Consists of Guide Wear Bar, IZG-8999 front idler wear bar location and IZG-7408 weld instructions) (Each package con- tains one wear bar)			
18		BLOCK (Not furnished separately)			
19	336 000 R1	RING, piston seal retainer (2)			
20	325 249 R1	RING, guide (4)			
21	629 256 C1	PISTON, hydraulic track adjusting (2)			
22	609 609 C1	CYLINDER, hydraulic track adjuster			
	624 839 C91	PACKAGE, front idler LH block and cap (Consists of Block LH front idler shaft, cap, 624 465 C1, two bolt, 3/4 x 1-3/4" and print fork assy.)			
	624 840 C91	PACKAGE, front idler RH block and cap (Consists of Block RH front idler shaft, Cap, 624 465 C1, two Bolt, 3/4 x 1-3/4" and print fork assy.)			
	662 643 C91	PACKAGE, front idler fork improve- ment (For use on idler without track frame covers) (See NOTE 3)			
	§ 1	COVER			
	1	DOOR 740 182 C1			
	1	DRAWING CZG-1311			
	1	DRAWING CZG-1312			
	1	DRAWING CZG-1903)			

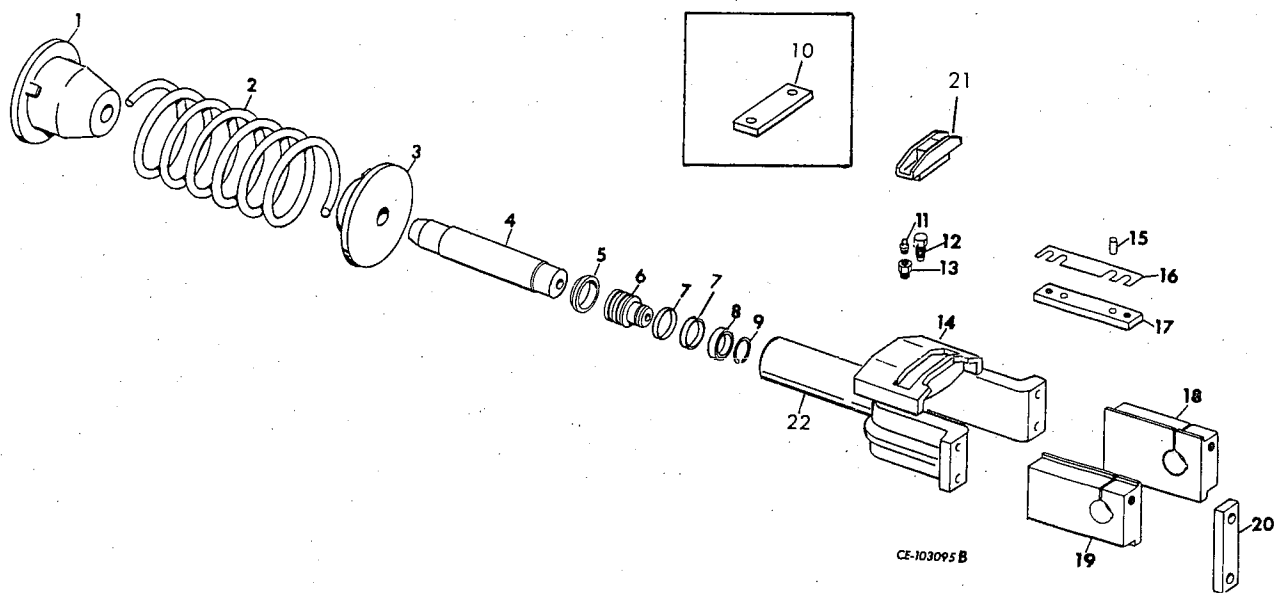
§ - Not Furnished Separately.

NOTE 3: Field Application - Order through
Regular Parts Channels.

SUSPENSION

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

FRONT IDLER FORK AND HYDRAULIC TRACK ADJUSTER (1451 and up)



1	337 647 R1	SEAT, rear track spring (2)	13	319 628 R91	VALVE, lubrication inlet check (2)
2	325 223 R2	SPRING, track (2)	14	662 502 C2	FORK w/COVER and CYLINDER, 609 609 C1, front idler (Together with DOOR, 655 961 C1, will work for FORK, 655 822 C1) (2)
3	337 646 R1	SEAT, front track spring (2)		24 889 R1	SCREW, hex-hd cap (8)
4	655 540 C1	ROD, hydraulic track adjuster (2)(+)		62 177 V	WASHER, hardened (8)
4	611 394 C2	ROD, hydraulic track adjuster (2) (For Low Ground Pressure)	15	19 838 R1	PIN, dowel (8)
5	609 617 C1	SCRAPER, track adjusting rod (2)	16	620 123 C1	SHIM, idler guide and wear bar (x)
6	629 256 C1	PISTON, hydraulic track adjusting (2)	17	620 121 C2	BAR, upper front idler guide and wear (4)
7	325 249 R1	RING, guide (4)		24 873 R1	SCREW, hex-hd cap (8)
8	609 616 C1	SEAL (2)	18	655 804 C1	BLOCK, LH front idler guide (Outside for LH idler and inside for RH idler) (2)
9	336 000 R1	RING, piston seal retainer (2)		25 908 R1	SCREW, hex-hd cap (2)
10	655 963 C2	SHIELD, hydraulic track adjuster valve (Use with FORK, 655 822 C1) (2)(+)		232 359 R1	WASHER, hardened (2)
	24 871 R1	SCREW, hex-hd cap (4)	19	655 805 C1	BLOCK, RH front idler guide (Inside for LH idler and outside for RH idler) (2)
	25 537 R1	WASHER (4)		25 908 R1	SCREW, hex-hd cap (2)
11	109 461	FITTING, crossplate lubrication (2)		232 359 R1	WASHER, hardened (2)
12	319 628 R91	PLUG, hydraulic adjuster bleeder (Order VALVE, 707 270 C91) (2)	20	612 539 C1	STOP, front idler (4)
	50 410 DA	PLUG, pipe		39 422 D	SCREW, hex-hd cap (8)
12	707 270 C91	VALVE, safety relief (2) (Composed of—			
		1 BALL 17 007 R1			
		§ 1 BODY			
		1 PLUG 26 839 D			
		1 SCREW 617 256 C1			
		1 SPRING 662 519 C1)			

(x) - As Required.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FRONT IDLER FORK AND HYDRAULIC TRACK ADJUSTER – Continued (1451 and up)					
21	655 961 C2	DOOR, hydraulic track adjuster(Order DOOR, 740 182 and DRAWING, CZG 3859)			
	24 875 R1	SCREW, hex-hd cap (4)			
	25 537 R1	WASHER (4)			
21	740 182 C1	DOOR, hydraulic track adjuster			
	24 875 R1	BOLT (4)			
	25 537 R1	WASHER (4)			
22	609 609 C1	CYLINDER, hydraulic track adjuster (For FORK, 662 502 C2 or 655 822 C1)			

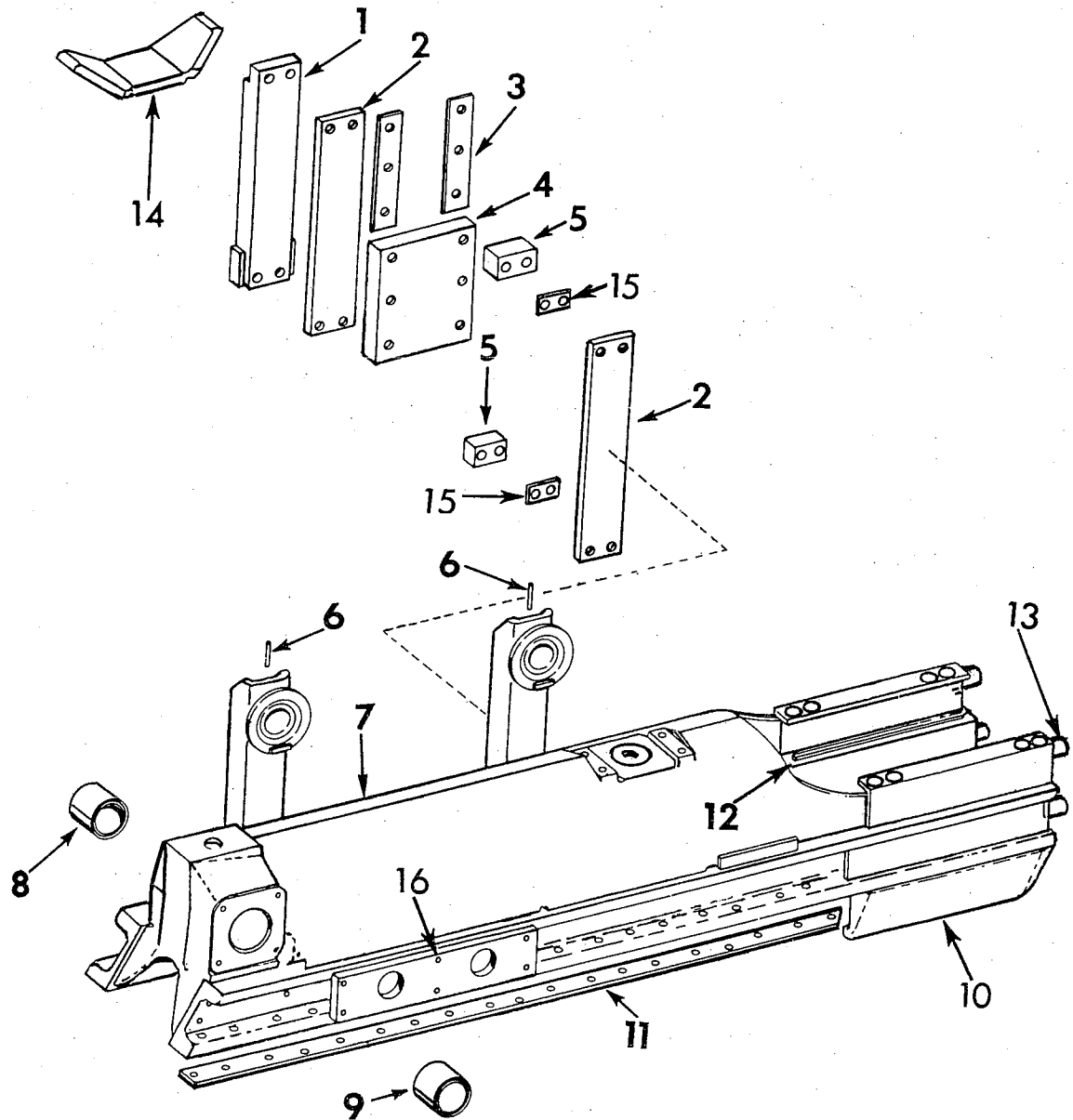
(+) - Not For Low Ground Pressure
(x) - As Required.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION

TRACK FRAME
(Not For Low Ground Pressure)



1	612 508 C11	RETAINER, track frame guide (2)
	25 911 R1	SCREW, hex-hd cap (8)
	277 606 R1	WASHER, hardened (8)
2	330 599 R1	PLATE, track frame guide wear (4)
3	604 012 C1	SHIM, light guide plate (x)
3	604 013 C1	SHIM, medium guide plate (x)
3	604 014 C1	SHIM, heavy guide plate (x)
4	612 509 C1	PLATE, track frame guide (Order PLATE, 612 509 C2 and two SHIMS, 655 682 C1) (2) 501 to 930

4	612 509 C2	PLATE, track frame guide (Together with two SHIMS, 655 682 C1, will work for PLATE, 612 509 C1) (2) 931 and up
	25 357 R1	SCREW, hex-hd cap (8)
5	616 177 C1	SPACER, track frame guide (Order SPACER, 616 184 C2 and four SHIMS, 655 682 C1) (4) 501 to 930
5	616 184 C2	SPACER, track frame guide (4) 931 up

CE-103111-D

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK FRAME — Continued (Not For Low Ground Pressure)					
6	141 239	PIN, track idler bracket (4)			
7	655 532 C91	FRAME w/BUSHING, 607 931 C1, BUSHING, 609 579 C1, BLOCK, 612 538 C1, GUARD, 707 514 C1 and PLATE 655 547 C1, LH track			
7	655 533 C91	FRAME w/BUSHING, 607 931 C1, BUSHING, 609 579 C1, BLOCK, 612 538 C1, GUARD, 707 514 C1 and PLATE 655 547 C1, RH track			
8	607 931 C2	BUSHING, inner pivot shaft (2)			
9	609 579 C2	BUSHING, outer pivot shaft (2))			
10	620 455 C1	GUIDE, track chain (2)			
11	655 539 C1	SPACER, track roller mounting (4)			
12	703 599 C91	PACKAGE, track frame front idler guide and wear bar field service (Consists of Idler Bar Guide and Wear Guide, IZG-8809, Wear Bar Installation and IZG-7408 Weld Instruction)			
13	612 538 C1	BLOCK, front idler stop tapping (8)			
14	707 514 C1	GUARD, track frame guide (2)			
15	655 682 C1	SHIM, track frame guide (20)			
16	655 547 C1	PLATE, mounting (2)			
	662 689 C91	PACKAGE, track idler rear support service (Consists of the following parts - 1 PACKAGE 662 687 C91 1 PIN 141 239 § 1 SUPPORT)			
	662 687 C91	PACKAGE, track idler support gusset service (Consists of DRAWING, CZG-1351 and GUSSET)			
	662 688 C91	PACKAGE, track idler front support service (Consists of the following parts - 2 BOLT 25 911 R1 1 PACKAGE 662 687 C91 1 PIN 141 239 § 1 SUPPORT)			
	25 911 R1	BOLT, track frame guide (Part of PACKAGE, 662 688 C91) (2)			
	141 239	PIN, track idler bracket (Part of PACKAGE, 662 689 C91)			

§ - Not Furnished Separately.

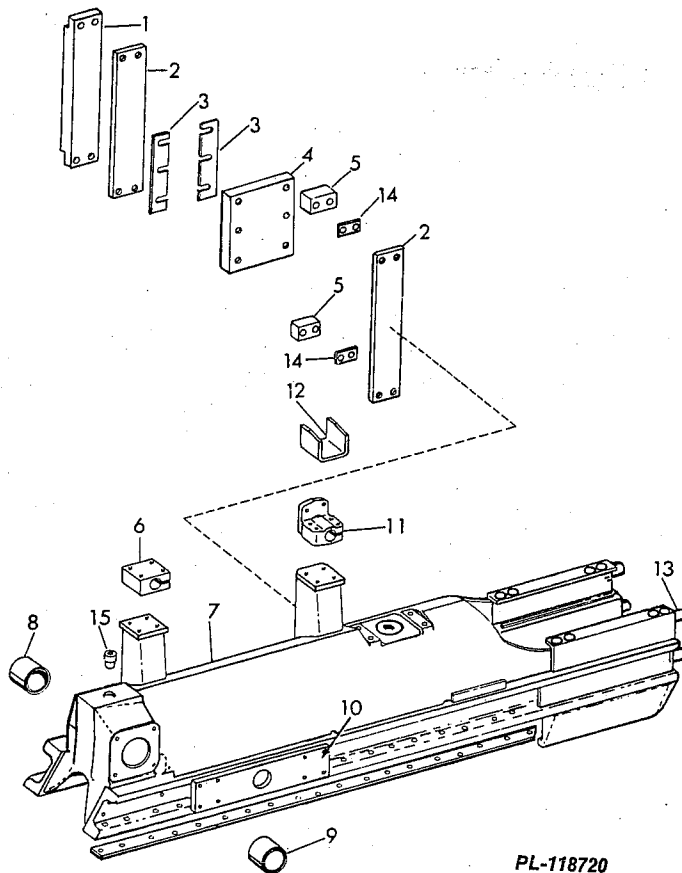
(x) - As Required.

SUSPENSION

REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION

TRACK FRAME (For Low Ground Pressure)



PL-118720

1	715 591 C1 25 909 R1 25 540 R1	RETAINER, track frame guide (2) SCREW, hex-hd cap (8) WASHER, hardened (8)
2	715 590 C1	PLATE, track frame guide wear (4)
3	740 265 C1	SHIM, track frame guide plate (20)
4	611 295 C2 26 028 R1 25 539 R1	PLATE, track frame guide (2) SCREW, hex-hd cap (12) WASHER, flat (12)
5	616 184 C2	SPACER, track frame guide (4)
6	740 217 C1 25 964 39 422 D	BLOCK, rear idler mounting (2) BOLT (8) WASHER (8)

7	715 607 C91	FRAME, LH track (Composed of— 4 BLOCK 612 538 R1 1 BUSHING 609 579 C2 1 BUSHING 655 340 C1 1 GUARD 740 218 C1 1 PLATE 740 170 C1 1 PLUG 9 409 949
7	715 608 C91	FRAME, RH track (Composed of— 4 BLOCK 612 538 R1 1 BUSHING 609 579 C2 1 BUSHING 655 340 C1 1 GUARD 740 218 C1 1 PLATE 740 170 C1 1 PLUG 9 409 949
8	655 340 C1	BUSHING, inner pivot shaft (2)
9	609 579 C2	BUSHING, outer pivot shaft (2)
10	740 170 C1	PLATE, mounting (2)
11	715 599 C1 24 894 R1 39 422 D	BRACKET, to idler mounting (2) BOLT (8) WASHER (8)
12	740 218 C1	GUARD, track frame guide (2)
13	612 538 C1	BLOCK, front idler stop tapping (8)
14	655 682 C1	SHIM, track frame guide (20)
15	9 409 949	PLUG, 3/4 NPT

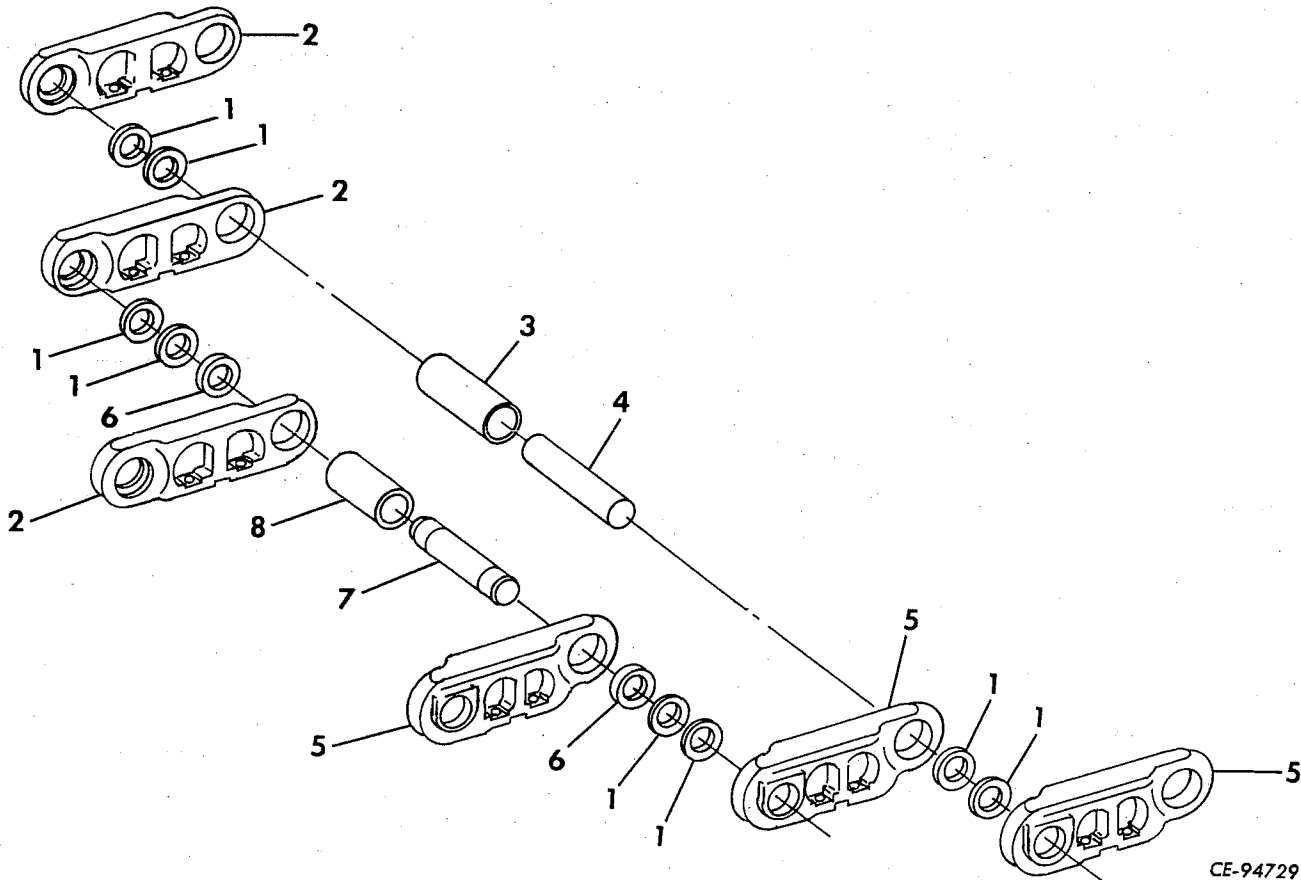
**REFER TO ALPHABETICAL INDEX
FOR COMPLETE LISTING OF PARTS**

WHEELS AND TRACTION 15

WHEELS AND TRACTION

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

TRACK CHAIN AND TRACK CHAIN WITH SHOES

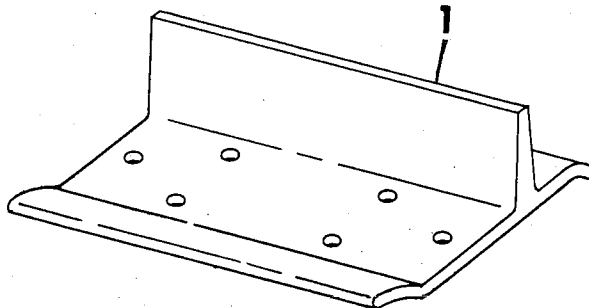


A	655 531 C92	TRACK ASSY., (Less shoes)(+)(2) (Consists of
B	715 611 C91	TRACK ASSY., (Less shoes)(For Low Ground Pressure)(2)
1	616 203 C1	WASHER, belleville(156 for A)(176 for B)
2	624 845 C3	LINK, RH track (39 for A)(44 for B)
3	655 008 C1	BUSHING, track link (38 for A)(43 for B)
4	655 006 C1	PIN, track link(38 for A)(43 for B)
5	624 844 C3	LINK, LH track(39 for A)(44 for B)
6	616 205 C1	SPACER, master bushing (2)
7	655 007 C1	PIN, track master
8	655 009 C1	BUSHING, track master
	636 593 C91	CHAIN, track (With shoes)(18" square corner shoe)(Replaces,662 513 C91) (*) (+) (Composed of - 156 BOLT 624 848 C1 156 NUT 616 226 C1

	39 SHOE 636 584 C1 1 TRACK 655 531 C92)
636 597 C91	CHAIN, track(With shoes)(20" square corner shoe)(Replaces,662 514 C91) (*) (+) (Composed of - 156 BOLT 624 848 C1 156 NUT 616 226 C1 39 SHOE 636 587 C91 1 TRACK 655 531 C92)
636 599 C91	CHAIN, track(With shoes)(22" square corner shoe)(Replaces,662 515 C91) (*) (+) (For models w/semi-"U" blade, also for models w/o semi- "U" blade that do not require max- imum track oscillation) (Composed of - 156 BOLT 624 848 C1 156 NUT 616 226 C1 39 SHOE 636 589 C1 1 TRACK 655 531 C92)

(+) - Not For Low Ground Pressure.
(*) - Above Chains Service One Side of Tractor.
When Both Sides are to be Serviced, Order
Two Assemblies.

WHEELS AND TRACTION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRACK SHOES					
					
CE-103096					
1	715 579 C1	SHOE, clipped corner track 37" extreme(88)(For Low Ground Pressure)	629 431 C91	ATTACHMENT, clipped corner track shoe 18"(Consists of 312 BOLT, 624 848 C1, 312 NUT, 616 226 C1, and 78 SHOE, 655 560 C1)(See NOTE 4) (+)	
1	655 546 C1	SHOE, clipped corner track 18" (Part of ATTACHMENT, 629 431 C91)(78)(Order SHOE, 636 584 C1)	636 585 C91	ATTACHMENT, square corner track shoe 18"(Consists of 312 BOLT, 624 948 C1, 312 NUT, 616 226 C1, and 78 SHOE, 636 584 C1)(See NOTE 4) (+)	
1	636 584 C1	SHOE, square corner track 18"(Part of ATTACHMENT, 636 585 C91)(78)	629 432 C91	ATTACHMENT, clipped corner track shoe 20" (Consists of 312 BOLT, 624 848 C1, 312 NUT, 616 226 C1, and 78 SHOE, 655 560 C1) (See NOTE 4)(+)	
1	655 560 C1	SHOE, clipped corner track 20"(Part of ATTACHMENT, 629 432 C91)(78)	636 590 C91	ATTACHMENT, square corner track shoe 20"(Consists of 312 BOLT, 624 848 C1, 312 NUT, 616 226 C1 and 78 SHOE, 636 587 C1)(See NOTE 4) (+)	
1	636 587 C1	SHOE, square corner track 20"(Part of ATTACHMENT, 636 590 C91)(78)	629 496 C91	ATTACHMENT, clipped corner track shoe 22"(Consists of 312 BOLT, 624 848 C1, 312 NUT, 616 226 C1 and 78 SHOE, 655 561 C1)(See NOTE 4) (+)	
1	655 561 C1	SHOE, clipped corner track 22"(Part of ATTACHMENT, 629 496 C91)(78 }	636 598 C91	ATTACHMENT, square corner track shoe 22"(Consists of 312 BOLT, 624 848 C1, 312 NUT, 616 226 C1 and SHOE, 636 589 C1)(See NOTE 4)(+)	
1	636 589 C1	SHOE, square corner track 22"(Part of ATTACHMENT, 636 598 C91)(78)	629 498 C91	ATTACHMENT, clipped corner track shoe 24" (For Custom Application) (Consists of 312 BOLT, 624 848 C1 312 NUT, 616 226 C1 and 78 SHOE, 655 747 C1)(See NOTE 4)	
1	665 747 C1	SHOE, clipped corner track 24"(Part of ATTACHMENT, 629 498 C91) (For Custom Applications)(78)	636 600 C91	ATTACHMENT, square corner track shoe 24"(For Custom Applications) (Consists of 312 BOLT, 624 848 C1, 312 NUT, 616 226 C1 and 312 SHOE, 636 595 C1)(See NOTE 4)	
1	636 595 C1	SHOE, square corner track 24" (Part of ATTACHMENT, 636 600 C91)(78)			
	624 848 C1	BOLT, track shoe (312)(352 for Low Ground Pressure)			
	616 226 C1	NUT, track shoe bolt (312)(352 For Low Ground Pressure)			
					(+) - Not For Low Ground Pressure.

(+) - Not For Low Ground Pressure.

NOTE 4: Attachments No Longer Available. Service Parts Will Be Furnished.

NOT USED ON THIS MACHINE

BODY-BOWL

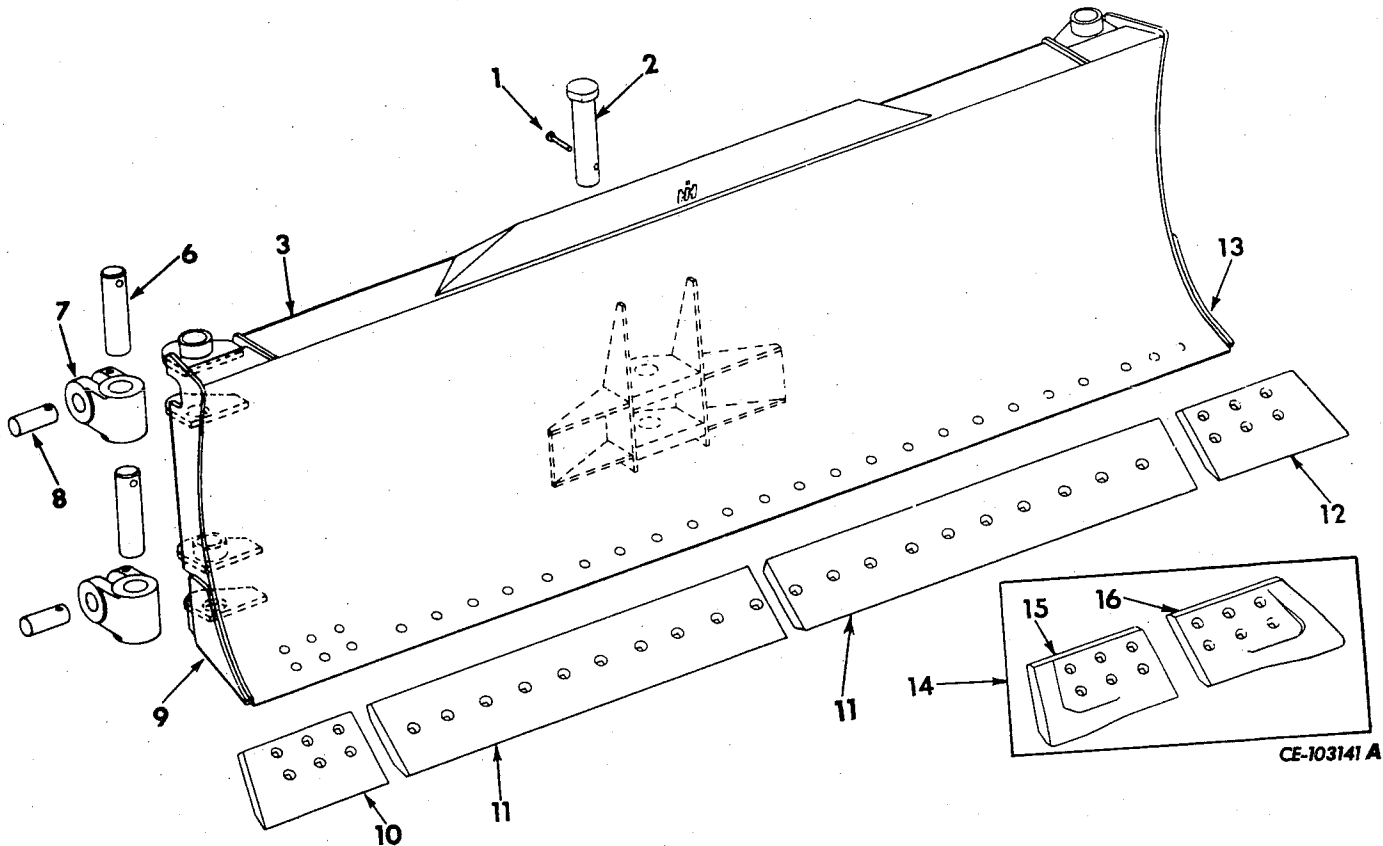
16

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

MOUNTED EQUIPMENT

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

BULLGRADER BLADE (Not For Low Ground Pressure)



1	49 127 H 137 185	PIN, rod end PIN, cotter	10	626 002 C1 327 226 R1	BIT, RH end BOLT, 2-1/2" long plow (No. 3 hd) (3)
2	600 671 C1	PIN, crosshead clevis	326 223 R1		BOLT, 3-1/2" long plow (No. 3 hd) (3)
3	711 535 C91	BLADE w/EDGE and BITS ASSY., (Replaces, 705 706 C91) (Composed of -	220 081		NUT (6)
	1	BIT	626 001 C1		
	1	BIT	626 002 C1		
	§ 1	BLADE			
	26	BOLT	327 226 R1		
	6	BOLT	326 223 R1		
	2	EDGE	623 991 C1		
	32	NUT	220 081		
	1	PLATE	320 756 R1		
	1	PLATE	320 757 R1)		
6	319 453 R1 9 412 230 24 867 R1	PIN, strut swivel (4) NUT, lock (4) SCREW, hex-hd cap (4)	11	623 991 C1 327 226 R1 220 081	EDGE, cutting (2) BOLT, plow (No. 3 hd) (20) NUT (20)
7	319 452 R1	CLEVIS, strut swivel (4)	12	626 001 C1 327 226 R1	BIT, LH end BOLT, 2-1/2" long plow (No. 3 hd) (3)
8	319 454 R1 9 413 981 25 504 R1	PIN, strut clevis (4) NUT, lock (4) SCREW, hex-hd cap (4)	326 223 R1		BOLT, 3-1/2" long (No. 3 hd) (3)
9	320 757 R1	PLATE, wear RH	220 081		NUT (6)
			13	320 756 R1	PLATE, wear LH
			14	629 454 C91	ATTACHMENT, end bits (Cast steel) (See NOTE 3)

NOTE 3: Field Application - Order through Regular Parts Channels.

§ - Not furnished separately.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION

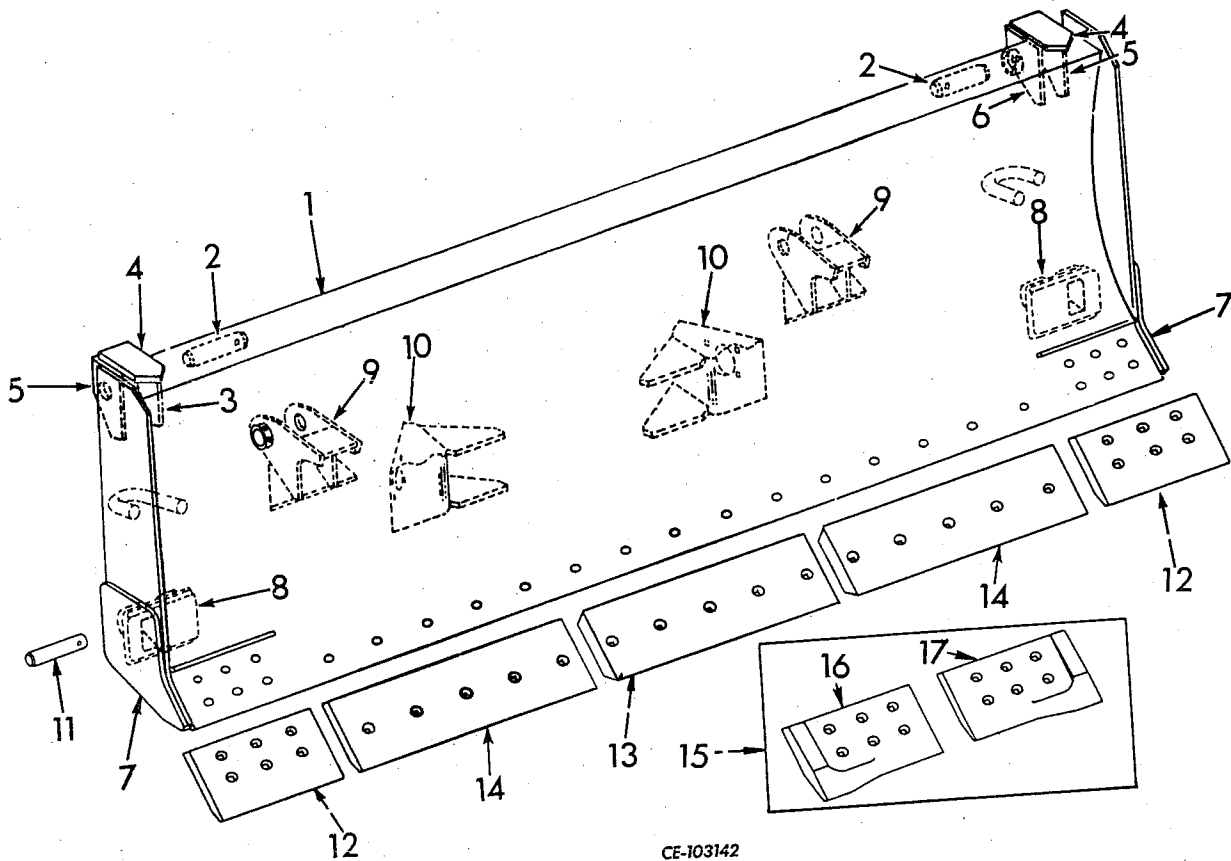
BULLGRADER BLADE - Continued (Not For Low Ground Pressure)

15	619 564 C1	BIT, RH end
	327 226 R1	BOLT, 2-1/2" long plow (No. 3 hd) (3)
	326 223 R1	BOLT, 3-1/2" long plow (No. 3 hd) (3)
	25 529 R1	NUT (6)
16	619 563 C1	BIT, LH end
	327 226 R1	BOLT, 2-1/2" long plow (No. 3 hd) (3)
	326 223 R1	BOLT, 3-1/2" long plow (No. 3 hd) (3)
	25 529 R1	NUT (6)

MOUNTED EQUIPMENT

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

BULLDOZER BLADE
(Not Semi - "U")
(Not For Low Ground Pressure)



CE-103142

1	704 021 C92	BLADE w/EDGE and BIT ASSEMBLY: (Composed of - § 1 BLADE 6 BOLT 21 BOLT 2 BRACKET 2 BRACKET 1 EDGE 2 EDGE 2 FITTING 1 LUG 1 LUG 2 LUG 2 PLATE 2 PLATE 2 SOCKET	626 003 C1 324 616 R1 327 226 R1 320 798 R91 704 019 C1 623 988 C1 623 987 C1 109 461 315 089 R91 315 090 R91 315 091 R91 618 243 C1 315 092 R1 320 832 R2)	7	618 243 C1	PLATE, wear (2)
2	315 506 R1 9 412 230 25 285 R1	PIN, upper strut front (2) NUT, lock (2) SCREW, hex-hd cap (2)		8	320 798 R91	BRACKET, push arm (2)
3	315 090 R91	LUG, RH upper strut		9	704 019 C1	BRACKET, hydraulic (2)
4	315 092 R1	PLATE, upper strut lug (2)		10	320 832 R2	SOCKET, diagonal strut (2)
5	315 091 R1	LUG, upper strut (2)		11	309 789 R2 9 412 230 24 867 R1	PIN, push arm bracket (2) NUT, lock (2) SCREW, hex-hd cap (2)
6	315 089 R91	LUG, LH upper strut		12	626 003 C1 342 616 R1 327 226 R1 220 081	BIT, end (2) BOLT, 3/4 x 4-1/2" plow (No. 3 hd) (6) BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (6) NUT (12)
				13	623 988 C1 220 081 327 226 R1	EDGE, cutting NUT (5) BOLT, plow (No. 3 hd) (5)

§ - Not Furnished Separately.

MOUNTED EQUIPMENT

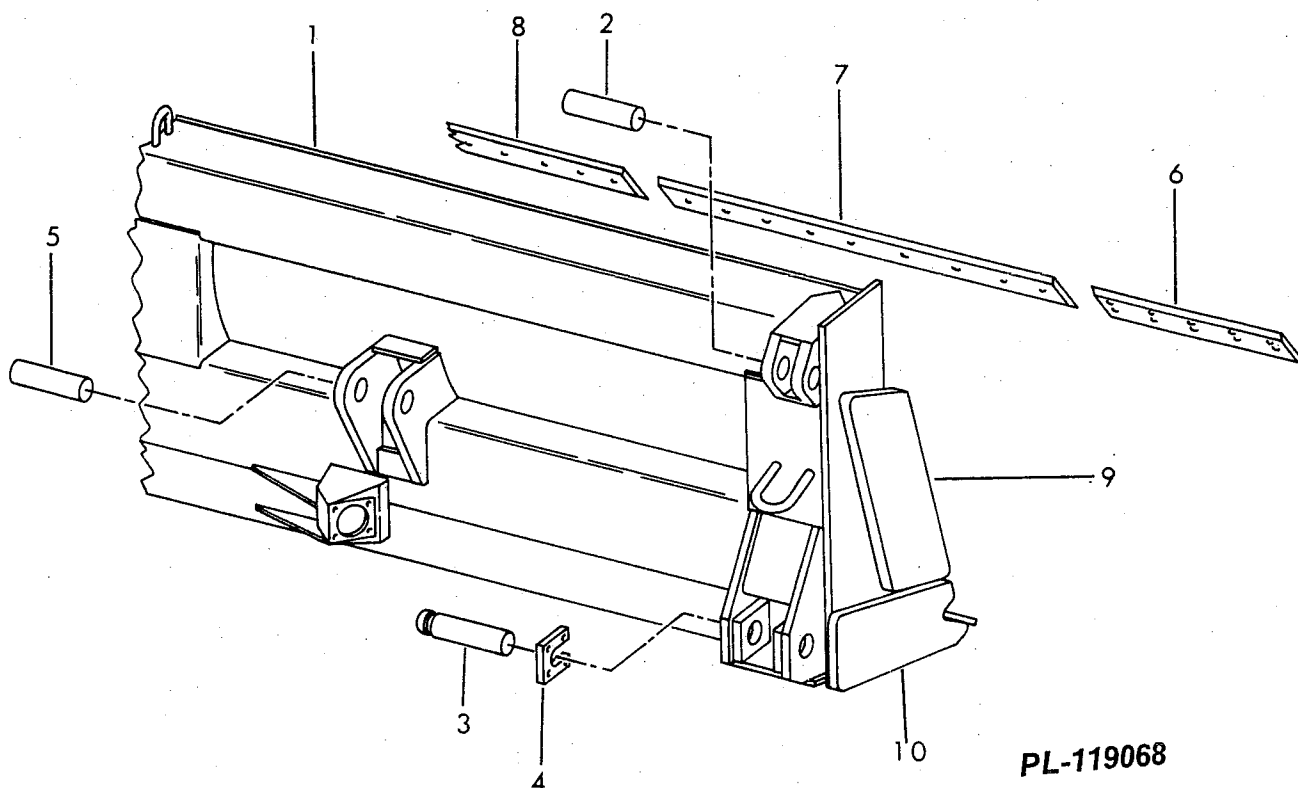
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER BLADE — Continued (Not Semi - "U") (Not For Low Ground Pressure)					
14	623 987 C1 327 226 R1 220 081	EDGE, cutting (2) BOLT, plow (No. 3 hd) (10) NUT (10)			
15	629 453 C91	ATTACHMENT, end bit (Cast steel) (See NOTE 3)			
16	619 559 C1 342 616 R1 327 226 R1 25 529 R1	BIT, LH end BOLT, 3/4 x 4-1/2" plow (No. 3 hd) (3) BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3) NUT (6)			
17	619 560 C1 342 616 R1 327 226 R1 25 529 R1 109 461	BIT, RH end BOLT, 3/4 x 4-1/2" plow (No. 3 hd) (3) BOLT, 3/4 x 2-1/2" plow (No. 3 hd) (3) NUT (6) FITTING, lubrication (2)			

NOTE 3: Field Application - Order through
Regular Parts Channels.

MOUNTED EQUIPMENT

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

BULLDOZER BLADE
(Not Semi-"U")
(For Low Ground Pressure)



PL-119068

1	711 594 C91	BLADE w/EDGE and BIT ASSY., (Composed of— 2 BIT § 1 BLADE 31 BOLT 2 CUTTER 1 EDGE 2 EDGE 26 NUT 2 PLATE	626 003 C1 327 226 R1 608 172 C1 623 989 C1 712 742 C1 25 529 R1 711 591 C1)	4	711 517 C1	RETAINER, pusharm pin (2)
2	315 506 R1 25 285 R1 9 412 230	PIN, upper strut front (2) BOLT (2) NUT (2)		6	626 003 C1 327 226 R1 342 616 R1 25 529 R1	BIT, end (2) BOLT, 2-1/2" long (6) BOLT, 4-1/2" long (6) NUT (12)
3	710 423 C1	PIN, push arm (2)		7	712 742 C1 327 226 R1 25 529 R1	EDGE, cutting (2) BOLT (14) NUT (14)
				8	623 989 C1 327 226 R1 25 529 R1	EDGE, cutting BOLT (5) NUT (5)
				9	608 172 C1	CUTTER, side (2)
				10	711 591 C1	PLATE, lower wear (2)

MOUNTED EQUIPMENT

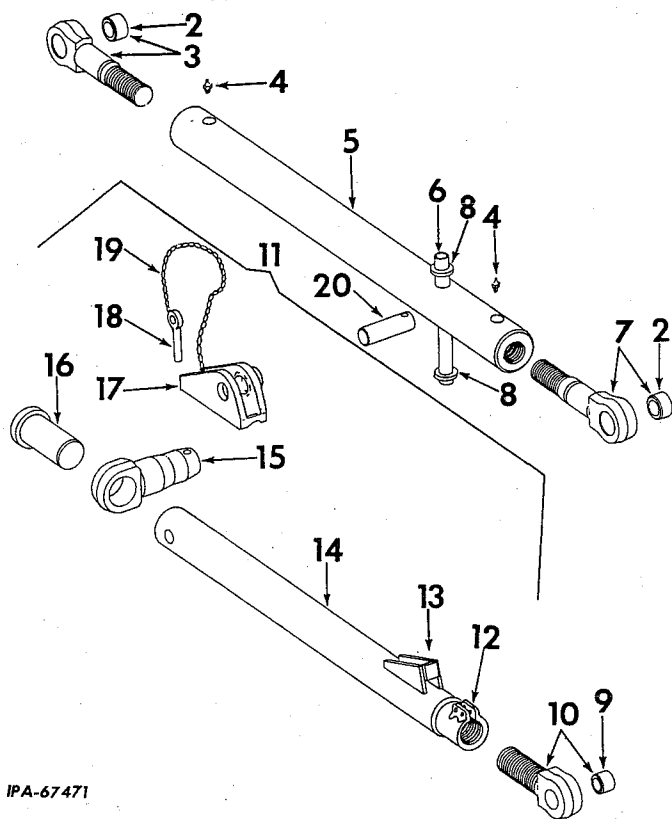
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER BLADE (Semi - "U") (Not For Low Ground Pressure)					
1	315 506 R1	PIN, strut (2)	11	611 655 C91	BRACKET, LH upper strut
	9 412 230	NUT, lock (2)	12	608 072 C91	BRACKET, LH push arm(Used w/ BLADE, 700 861 C92)
	25 285 R1	SCREW, hex-hd cap (2)	12	710 466 C1	BRACKET, LH push arm(Used w/ BLADE, 711 820 C91)
2	309 789 R2	PIN, push arm(Used w/BLADE, 700 861 C92) (2)	13	700 861 C92	BLADE w/EDGE (Order the following—
	9 412 230	NUT, lock (2)			1 BLADE 711 820 C91
	24 867 R1	SCREW, hex-hd cap (2)			8 BOLT 24 861 R1
3	646 334 C1	BIT, LH end			2 PIN 710 423 C1
	327 226 R1	BOLT, plow (No. 3 hd) (6)			2 RETAINER 711 517 C1)
	220 081	NUT (6)	13	711 820 C91	BLADE w/EDGE (Composed of -
4	623 989 C1	EDGE, cutting (2)			1 BIT 646 334 C1
5	623 990 C1	EDGE, cutting			1 BIT 646 335 C1
	327 226 R1	BOLT, plow (No. 3 hd) (16)			§ 1 BLADE
	220 081	NUT (16)			2 BRACKET 700 856 C1
6	646 335 C1	BIT, RH end			1 BRACKET 611 655 C91
	327 226 R1	BOLT, plow (No. 3 hd) (6)			1 BRACKET 710 466 C1
	220 081	NUT (6)			1 BRACKET 710 467 C1
7	611 656 C91	BRACKET, RH upper strut			1 CUTTER 608 172 C1
8	700 856 C1	BRACKET, hydraulic cylinder (2)			1 EDGE 623 990 C1
9	605 996 C1	SOCKET, diagonal strut (2)			2 EDGE 623 989 C1
10	608 053 C1	PLATE, wear (2)			1 LH MOLD

§ - Not Furnished Separately.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER BLADE — Continued (Semi - "U") (Not For Low Ground Pressure)					
		BOARD 608 054 C2	17	710 467 C1	BRACKET, RH push arm(Used w/ BLADE, 711 820 C91)
		1 MOLD BOARD 608 043 C2	18	608 172 C1	CUTTER, side (2)
		2 PLATE 608 053 C1	19	608 054 C2	MOLD BOARD, LH side
		1 RH MOLD BOARD 608 055 C2	20	608 043 C2	MOLD BOARD
		2 SOCKET 605 996 C1)	21	608 055 C2	MOLD BOARD' RH side
14	628 398 C91	ATTACHMENT, end bit (Cast steel) (See NOTE 3)	22	710 423 C1	PIN, push arm(Used w/BLADE, 711 820 C91) (2)
15	619 561 C1	BIT, LH end	23	711 517 C1	RETAINER, pin(Used w/BLADE, 711 820 C91) (2)
16	619 562 C1	BIT, RH end	NOTE 3: Field Application - Order through Regular Parts Channels.		
17	608 073 C91	BRACKET, RH push arm(Used w/ BLADE, 700 861 C92)			

BULLGRADER STABILIZERS



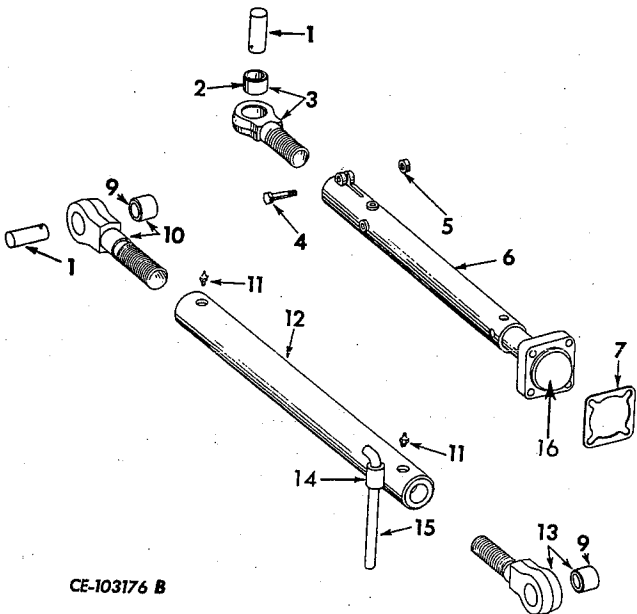
IPA-67471

4	109 461	FITTING, lubrication (4)
5	315 182 R2	BODY, upper strut (2)
6	323 647 R1	BAR, lock (2)
7	315 180 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut, front (2)
8	M 73 125	TUBE, strut locking pin (1 x 3/8" long) (4)
9	290 290 R2	BUSHING, strut eyebolt (2)
10	293 001 R11	EYEBOLT w/BUSHING, 290 290 R2, lower strut (2)
	102 639	NUT (4)
	271 563	SCREW, hex-hd cap (4)
11	315 475 R92	STRUT ASSEMBLY, lower LH
11	315 476 R92	STRUT ASSEMBLY, lower RH
12	290 283 R2	NUT, lower strut (2)
13	323 642 R11	RETAINER, strut lock (2)
14	290 532 R2	BODY, lower strut (2)
15	290 284 R1	TRUNNION (2)
16	290 285 R1	PIN, trunnion swivel (2)
17	315 445 R91	BRACKET, lower strut LH
17	315 446 R91	BRACKET, lower strut RH
18	19 643 R1	PIN, trunnion (2)
19	290 287 R2	CHAIN, trunnion (2)
20	315 103 R1	PIN, upper strut rear (2)
	9 412 230	NUT, lock (2)
	275 635 R1	SCREW, hex-hd cap (2)
2	290 290 R2	BUSHING, strut eyebolt (4)
3	309 907 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut rear (2)

MOUNTED EQUIPMENT

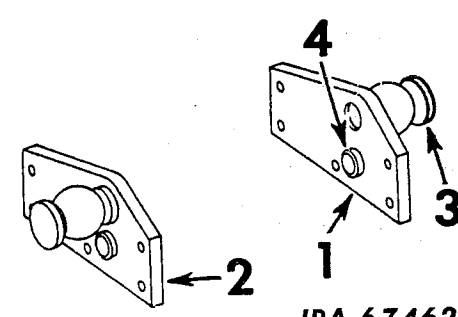
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BLADE CONVERSION ATTACHMENTS					
647 935 C91		ATTACHMENT, blade conversion, straight to semi-"U" (See NOTE 2)(+) (Consists of - 1 ARM 608 097 C91 1 ARM 608 098 C91 § 1 BLADE 2 PIN 309 789 R2 6 PIN 315 506 R1 8 SHIM 320 764 R1 § 4 STRUT)			
647 936 C91		ATTACHMENT, blade-conversion, semi-"U" or grader to straight blade (See NOTE 2)(+) (Consists of - 1 ARM 333 289 R91 1 ARM 332 290 R91 1 BLADE 704 021 C92 2 PIN 309 789 R2 4 PIN 315 103 R1 2 PIN 315 506 R1 8 SHIM 320 764 R1 § 4 STRUT)			
647 937 C92		ATTACHMENT, blade conversion straight or semi-"U" to grader (See NOTE 2)(+) (Consists of - 1 BLADE 320 744 R93 4 CLEVIS 319 452 R1 1 FRAME 620 949 C91 2 PIN 315 103 R1 4 PIN 319 453 R1 4 PIN 319 454 R1 1 PIN 600 671 C1 § 4 STRUT For machines equipped with lift CYLINDER, 704 018 C91, use the following - 1 TUBE 608 352 C91 1 TUBE 608 353 C91 1 TUBE 623 160 C1 1 TUBE 623 161 C1 For machines equipped with lift CYLINDER, 658 501 C91, use the following - 1 TUBE 632 333 C91 1 TUBE 632 334 C91 1 TUBE 632 335 C91 1 TUBE 632 336 C91)			
(+) - Not For Low Ground Pressure. § - Not Furnished Separately. NOTE 2: Field Application - Order on Machine Order Form.					

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BULLDOZER STABILIZERS					
					
7	320 764 R1	SHIM, diagonal strut (10)	9	290 290 R2	BUSHING, upper strut eyebolt (4)
	24 891 R1	SCREW, hex-hd cap (8)	10	309 907 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut rear (2)
	25 538 R1	WASHER, hardened (8)	11	109 461	FITTING, lubrication (4)
12	315 176 R11	STRUT, upper (2 for A)	12	608 100 C11	STRUT, upper (2 for B and C)
13	315 180 R11	EYEBOLT w/BUSHING, 290 290 R2, upper strut front (2)	14	M 73 125	TUBE, upper strut locking pin (1 x 3/8" long) (2)
15	315 177 R1	PIN, upper strut locking (2)	16	605 632 C2	BALL, diagonal strut (2)
(+) – Not For Low Ground Pressure.					

CE-103176 B

TRUNNIONS

A	STRUT, bulldozer blade (Not for Semi-"U") (+)				
B	STRUT, bulldozer blade (For Semi-"U") (+)				
C	STRUT, bulldozer blade (Not for Semi-"U") (For Low Ground Pressure)				
1	315 103 R1	PIN, rear strut bracket (2 for A)			
	9 412 230	NUT, lock (2)			
	25 285 R1	SCREW, hex-hd cap (2)			
1	315 103 R1	PIN, diagonal strut rear (2 for A)	IPA-67462		
	9 412 230	NUT, lock (2)			
	25 285 R1	SCREW, hex-hd cap (2)			
1	315 506 R1	PIN, upper strut (2 for B and C)	1	701 655 C93	TRUNNION, 294 552 R3, w/PILOT, 294 555 R1 (LH) (+)
	9 412 230	NUT, lock (2)		25 738 R1	SCREW, hex-hd cap (5)
	25 285 R1	SCREW, hex-hd cap (2)	2	701 656 C91	TRUNNION, 294 552 R1 w/PILOT, 294 555 R1, (RH) (+)
2	290 290 R2	BUSHING, diagonal strut eyebolt (2)		25 738 R1	SCREW, hex-hd cap (5)
3	293 001 R11	EYEBOLT w/BUSHING, 290 290 R2, diagonal strut (2)	3	294 552 R3	TRUNNION (2) (+)
4	25 340 R1	SCREW, hex-hd cap (2)	3	711 553 C92	TRUNNION (2) (For Low Ground Pressure)
5	9 412 231	NUT, stover lock (2)		25 777 R1	BOLT (16)
6	320 761 R13	STRUT, diagonal (2 for A)		25 540 R1	WASHER (16)
6	320 877 R11	STRUT, diagonal (2 for B)	4	294 555 R1	PILOT, trunnion (2) (+)
6	711 572 C1	STRUT, diagonal (2 for C)	(+) - Not for Low Ground Pressure		

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
15-260 REAR CABLE CONTROL UNIT HOUSING					

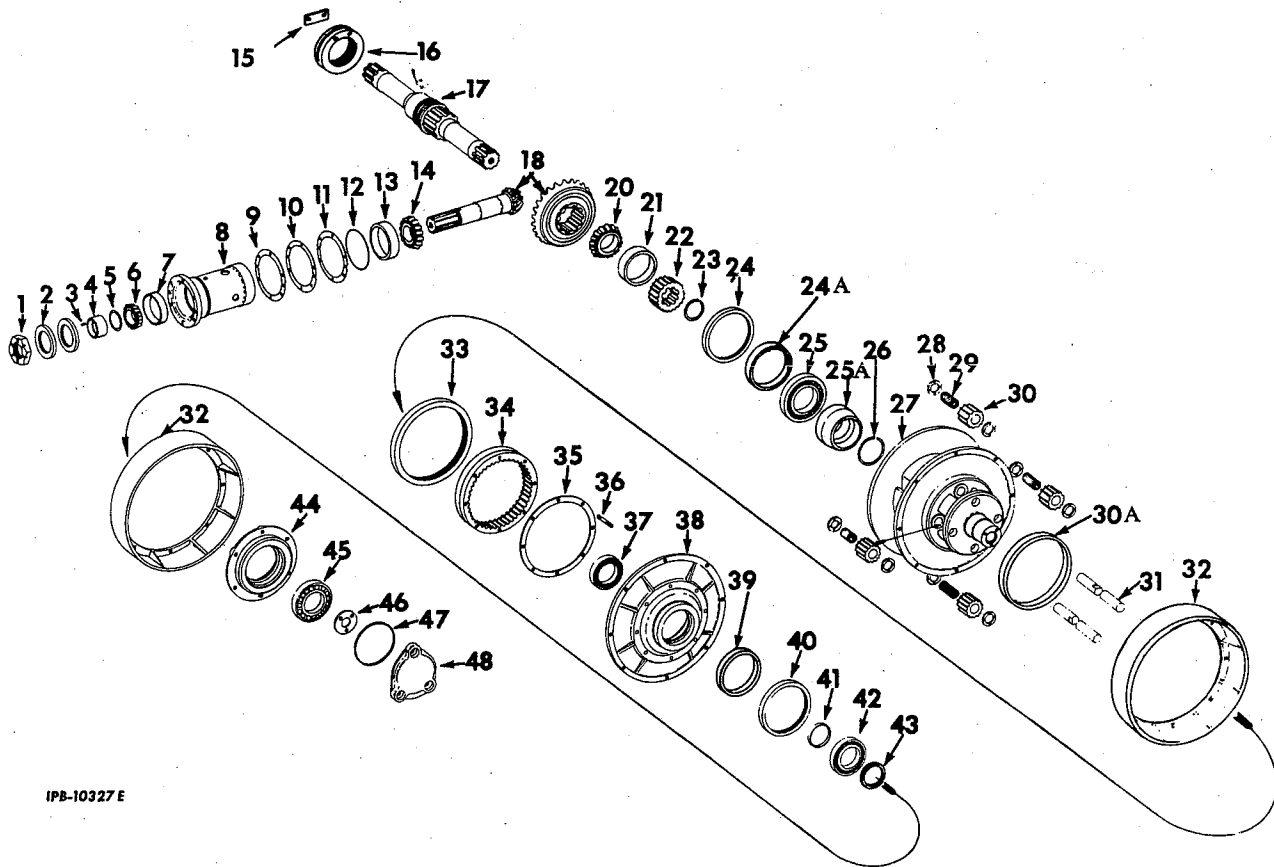
IPB-10304 D

1	701 803 C1	SUPPORT w/RING, RH outboard bearing	10	286 556 R1 179 843	WEDGE, cable (Spare) (6) SCREW, hex-hd cap (2)
	271 554	SCREW, 5/8 x 1" hex-hd cap (4)	11	298 552 R3 271 556	HOUSING, main SCREW, hex-hd cap (14)
	271 556	SCREW, 5/8 x 1-1/4" hex-hd cap (5)	12	297 781 R1	GASKET, main housing access cover
2	286 958 R1	PIN, dowel outer housing (8)	13	297 780 R1 179 839 103 321	COVER, main housing access SCREW, hex-hd cap (13) WASHER, lock (13)
3	297 787 R2	HOUSING, RH outer	14	9 409 949	PLUG, csk-hd pipe (stl)
3A	307 833 R1	SLEEVE, oil seal wear (2)	15	297 786 R2	HOUSING, LH outer
4	326 450 R11	QUILL w/SLEEVE, 307 833 R1, drum (2)	16	611 740 C11	SUPPORT w/RING, LH outboard bearing
	25 125 D	STUD, drum quill (12)		271 554	SCREW, hex-hd cap (6)
	120 378	NUT (12)		271 556	SCREW, hex-hd cap (7)
5	286 355 R1	SHIM, drum quill (.005") (6 or as required)		308 701 R1	RING, inner collector (2)
6	286 356 R1	SHIM, drum quill (.007") (6 or as required)			WIRE, filler pipe breather hole locking (Order 278 027 R1)
7	286 357 R1	SHIM, drum quill (.020") (2 or as required)		278 027 R1	WIRE, bulk lock (No. 16 ga.) (.0625") (Customer must specify amount required)
8	108 689	CAP, pipe			
9	297 782 R1	PIPE, filler			

MOUNTED EQUIPMENT

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

15-260 REAR CABLE CONTROL UNIT TRANSMISSION



IPB-10327 E

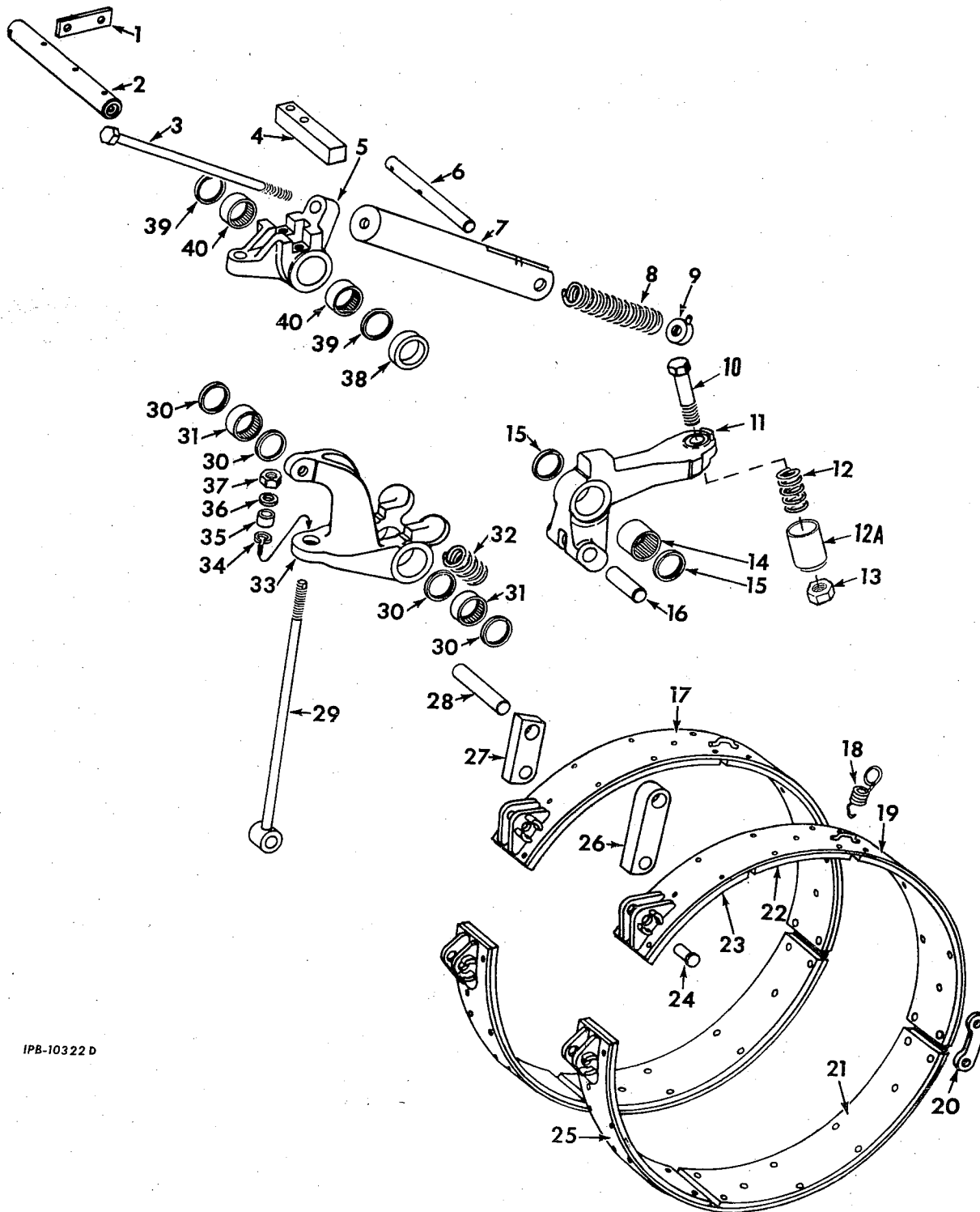
1	37 608 H 103 413	NUT, spiral bevel pinion lock PIN, cotter	11	286 338 R1	SHIM, pinion cage (.020") (2 or as required)
2	338 904 R91	OIL SEAL, spiral bevel pinion (2)	12	297 801 R1	GASKET, pinion cage
3	297 806 R1	KEY, spiral bevel pinion oil seal sleeve	13	107 577 R1	CUP, rear spiral bevel pinion tapered roller bearing
4	297 804 R2	SLEEVE, spiral bevel pinion oil seal	14	107 576 R91	CONE, rear spiral bevel pinion tapered roller bearing
5	297 805 R1	GASKET, spiral bevel pinion oil seal sleeve	15	331 774 R1 179 881	PLATE, lock SCREW, hex-hd cap (2)
6	298 194 R91	CONE, front spiral bevel pinion tapered roller bearing	16	311 731 R1	NUT, lock
7	170 254 R1	CUP, front spiral bevel pinion tapered roller bearing	17	311 728 R1	SHAFT, spiral bevel gear
8	333 402 R1 179 840 103 321	CAGE, pinion SCREW, hex-hd cap (6) WASHER, lock (6)	18	333 403 R92	SHAFT, bevel pinion (Matched set)
9	286 336 R1	SHIM, pinion cage (.005") (6 or as required)	20	298 197 R91	CONE, spiral bevel gear shaft tapered roller bearing (2)
10	286 337 R1	SHIM, pinion cage (.007") (6 or as required)	21	13 390 D	CUP, spiral bevel gear shaft tapered roller bearing (2)
			22	286 361 R1	GEAR, sun (20-T) (2)

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
15-260 REAR CABLE CONTROL UNIT — Continued TRANSMISSION			46	297 816 R2	RETAINER, brake drum hub bearing (2)
23	297 811 R1	RING, sun gear snap (2)		179 839	SCREW, hex-hd cap (6)
24		OIL SEAL (Order PACKAGE, 323 656 R91)		103 321	WASHER, lock (6)
24A	307 833 R1	SLEEVE, oil seal wear (2)	47	297 820 R1	GASKET, end cover (2)
25	298 190 R91	BEARING, cable drum cylindrical roller (2)	48	8 232 DB	COVER, end (2)
25A	326 451 R1	BLOCK, guide (2)		179 881	SCREW, hex-hd cap (6)
26	324 738 R1	RING, cable drum bearing snap (2)		324 739 R91	BEARING, planetary housing (Consists of Ref. Nos. 37, 41 and 42) (2)
27	326 306 R11	DRUM w/SLEEVE, 307 832 R1, cable (2)		311 524 R1	GASKET, cable drum (2)
28	286 514 R1	WASHER, planet pinion gear thrust (16)		323 656 R91	PACKAGE, oil seal and wear sleeve service (Consists of OIL SEAL and SLEEVE, 307 833 R1) (x)
29	74 348 R91	BEARING, planet pinion gear journal roller (8)		323 657 R91	PACKAGE, oil seal and wear sleeve service (Consists of OIL SEAL and SLEEVE, 307 832 R1) (x)
30	286 513 R1	GEAR, planet pinion (8)		308 782 R1	SHIM, outer bearing retainer (.020") (2 or as required)
30A	307 832 R1	SLEEVE, oil seal wear (2)		308 783 R1	SHIM, outer bearing retainer (.007") (6 or as required)
31	286 515 R1 600 584 C1	SHAFT, planet pinion gear (8) PIN, cotter (8)		308 784 R1	SHIM, outer bearing retainer (.005") (6 or as required)
32	297 813 R1 179 882	DRUM, brake (4) SCREW, hex-hd cap (32)		311 627 R1	SHIM, roller bearing (.005") (x)
33		OIL SEAL (Order PACKAGE, 323 657 R91)		311 628 R1	SHIM, roller bearing (.007") (x)
34	286 981 R1	GEAR, ring (2)			
35	286 521 R1	GASKET, ring gear (2)			
36	286 520 R1 17 234 R1	STUD, NF ring head (16) NUT, NF elastic stop (16)			
37		BEARING, planetary housing inner (Order, 324 739 R91) (2)			
38	326 307 R11	HOUSING w/SLEEVE, 307 833 R1, planetary (2)			
39	307 833 R1	SLEEVE, oil seal wear (2)			
40		OIL SEAL (Order PACKAGE, 323 656 R91)			
41		SPACER, planetary housing bearing (Order 324 739 R91) (2)			
42		BEARING, planetary housing outer (Order 324 739 R91) (2)			
43	326 308 R1	SPACER, brake drum hub bearing (2)			
44	297 814 R2	HUB, brake drum (2)			(x) - As Required.
45	ST 274	BEARING, brake drum hub (2)			

MOUNTED EQUIPMENT

15-260 REAR CABLE CONTROL UNIT OPERATING LEVERS AND BRAKE BAND



IPB-10322 D

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
15-260 REAR CABLE CONTROL UNIT OPERATING LEVERS AND BRAKE BAND — Continued					
1	298 273 R1 179 814 103 320	PLATE, operating lever shaft lock (2) SCREW, hex-hd cap (4) WASHER, lock (4)	19	299 516 R92	BAND w/LINING, 297 704 R1, LINING, 299 714 R1, LINING, 299 715 R1 and twenty RIVET, 21 407 H, RH clutch (Upper) (Not for heavy duty lining arrangement)
2	297 719 R1	SHAFT, operating lever (2)	19	611 644 C91	BAND w/three LINING, 323 562 R1, LINING, 299 714 R1 and twenty RIVET, 21 407 H, LH clutch (Upper) (For heavy duty lining arrangement) (*)
3	297 721 R1	SCREW, brake adjusting (2)			
4	297 716 R1 179 885	BAR, brake lever (2) SCREW, hex-hd cap (4)	19	611 646 C91	BAND w/three LINING, 323 562 R1, LINING, 299 714 R1 and twenty RIVET, 21 407 H, RH clutch (Upper) (For heavy duty lining arrangement) (*)
5	297 715 R2	LEVER, brake (2)			
6	297 723 R1 103 408	PIN, brake spring housing PIN, cotter (4)	20	297 706 R1	LINK, brake band connecting (4)
7	297 720 R11	HOUSING, brake spring (2)	21	297 704 R1	LINING, brake and clutch (2 used with BAND ASSY., 297 705 R92, 1 used with BAND ASSY., 298 926 R92 and 299 516 R92)
8	287 015 R2	SPRING, brake (2)		21 407 H	RIVET (70)
9	297 722 R11	BLOCK w/DOWEL, brake spring guide end (2)	22	299 715 R1	LINING, clutch (1 used with BAND ASSY., 298 926 R92 and 299 516 R92)
10	271 570	SCREW, hex-hd cap (Brake release lever) (2)		21 407 H	RIVET, 3/16 x 7/16" (5)
11	297 718 R1 265 923 R1	LEVER, brake release (2) PIN, roll	22	323 562 R1	LINING, brake and clutch (15 used with ATTACHMENT, 323 560 R91 4 used with BAND ASSY., 611 643 C91, 3 used with BAND ASSY., 611 644 C91 and 611 646 C91)
12	287 020 R1 103 345	SPRING, brake release lever (2) WASHER, flat (2)		21 407 H	RIVET, 3/16 x 7/16" (90 used with ATTACHMENT, 323 560 R91, 20 used with BAND ASSY., 611 643 C91, 611 644 C91 and 611 646 C91)
12A	623 485 C1	STOP, brake release lever	23	299 714 R1 21 407 H	LINING, metallic clutch (2) RIVET, 3/16 x 7/16" (5)
13	114 507	NUT, jam (2)	23	299 714 R1 21 407 H	LINING, metallic (Part of ATTACH- MENT, 323 560 R91) RIVET (5)
14	914 455 R91	BEARING, brake release lever needle (2)	24	297 707 R1	PIN, brake bank connecting link (8) PIN, cotter (8)
15	287 058 R91	OIL SEAL, brake release lever bearing (4)	24	297 707 R1	PIN, brake anchor lower (2) PIN, cotter (2)
16	297 709 R1	PIN, clutch anchor upper (2)	24	297 707 R1	PIN, clutch anchor lower (2) PIN, cotter (2)
17	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, brake (Not for heavy duty lining arrangement) (4)	24	297 707 R1 103 388	PIN, tension rod lower (4) PIN, cotter (4)
17	611 643 C91	BAND w/four LINING, 323 562 R1 and twenty RIVET, 21 407 H, brake (For heavy duty lining arrangement) (*) (4)			
18	309 944 R1	SPRING, extension (4)			
19	298 926 R92	BAND w/LINING, 297 704 R1, LINING, 299 714 R1, LINING, 299 715 R1 and twenty RIVET, 21 407 H, LH clutch (upper) (Not for heavy duty lining arrangement)			

(*) - Not used when fine grading is the major application of machine.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
15-260 REAR CABLE CONTROL UNIT					
OPERATING LEVERS AND BRAKE BAND — Continued					
25	297 705 R92	BAND w/two LINING, 297 704 R1 and twenty RIVET, 21 407 H, clutch (Lower) (Not for heavy duty lining arrangement) (2)			
25	611 643 C91	BAND w/four LINING, 323 562 R1 and twenty RIVET, 21 407 H clutch (Lower) (For heavy duty lining arrangement) (*) (2)			
26	297 708 R2	PAWL, clutch anchor (2)			
27	297 710 R2	PAWL, brake anchor (2)			
28	297 711 R1	PIN, brake anchor upper (2)			
29	297 712 R2	ROD, tension (4)			
30	287 058 R91	OIL SEAL, clutch lever bearing (8)			
31	298 175 R91	BEARING, clutch lever needle (4)			
32	287 009 R1	SPRING, clutch (2)			
33	297 717 R1	LEVER, clutch (2)			
34	238 627 R1	RING, clutch lever bushing snap (2)			
35	298 098 R91	BUSHING, clutch lever self-aligning (2)			
35	298 098 R91	BUSHING, brake lever self-aligning (4)			
36	297 714 R1	SPACER, tension rod (6)			
37	454 522 R1	NUT, elastic stop (4)			
38	298 274 R1	SPACER, brake lever (2)			
39	287 058 R91	OIL SEAL, brake lever bearing (4)			
40	298 175 R91	BEARING, brake lever needle (4)			
	323 560 R91	ATTACHMENT, heavy duty lining (Consists of fifteen LINING, 323 562 R1, LINING, 299 714 R1 and ninety RIVET, 21 407 H) (For one side of 15-260 rear cable control drum) (See NOTE 3)			
	114 505	NUT, jam (4)			
	445 671	PLUG, sq-hd pipe (2)			
	138 806	SCREW, hex-soc ov-pt set (4)			

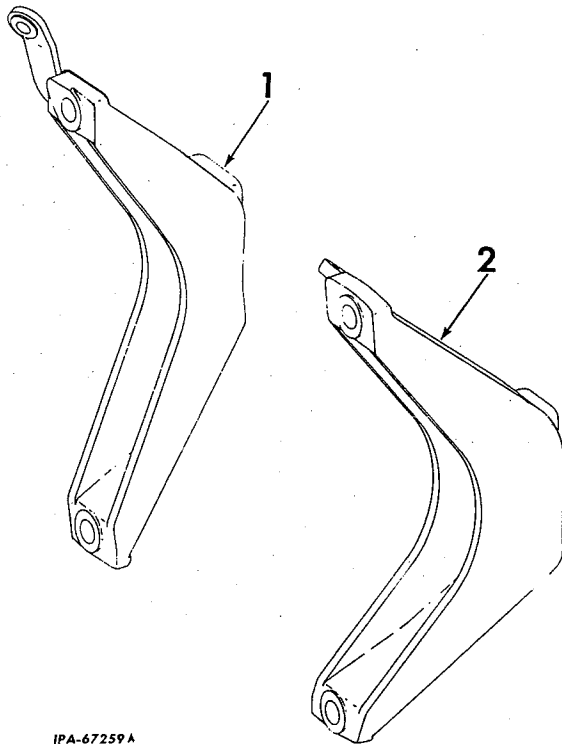
(*) - Not used when fine grading is the major application of the machine.

NOTE 3: Field Application - Order through Regular Parts channels.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION

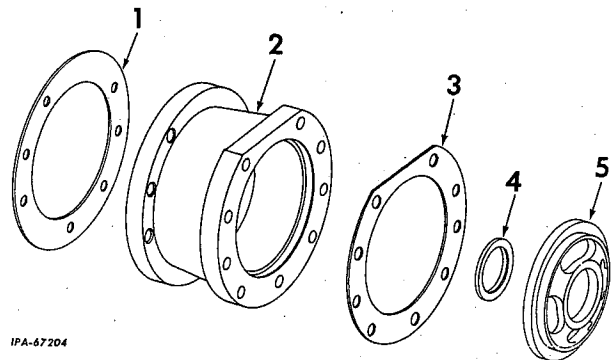
15-260 REAR CABLE CONTROL UNIT MOUNTING BRACKET



1	600 666 C1 271 652 274 185	BRACKET, LH mounting SCREW, 7/8" hex-hd cap (2) SCREW, 1-1/8" hex-hd cap (2)
2	335 961 R2 271 658 274 185	BRACKET, RH mounting SCREW, 7/8" hex-hd cap (2) SCREW, 1-1/8" hex-hd cap (2)

REF. NO.	PART NUMBER	DESCRIPTION

15-260 REAR CABLE CONTROL UNIT ADAPTER AND RELATED PARTS

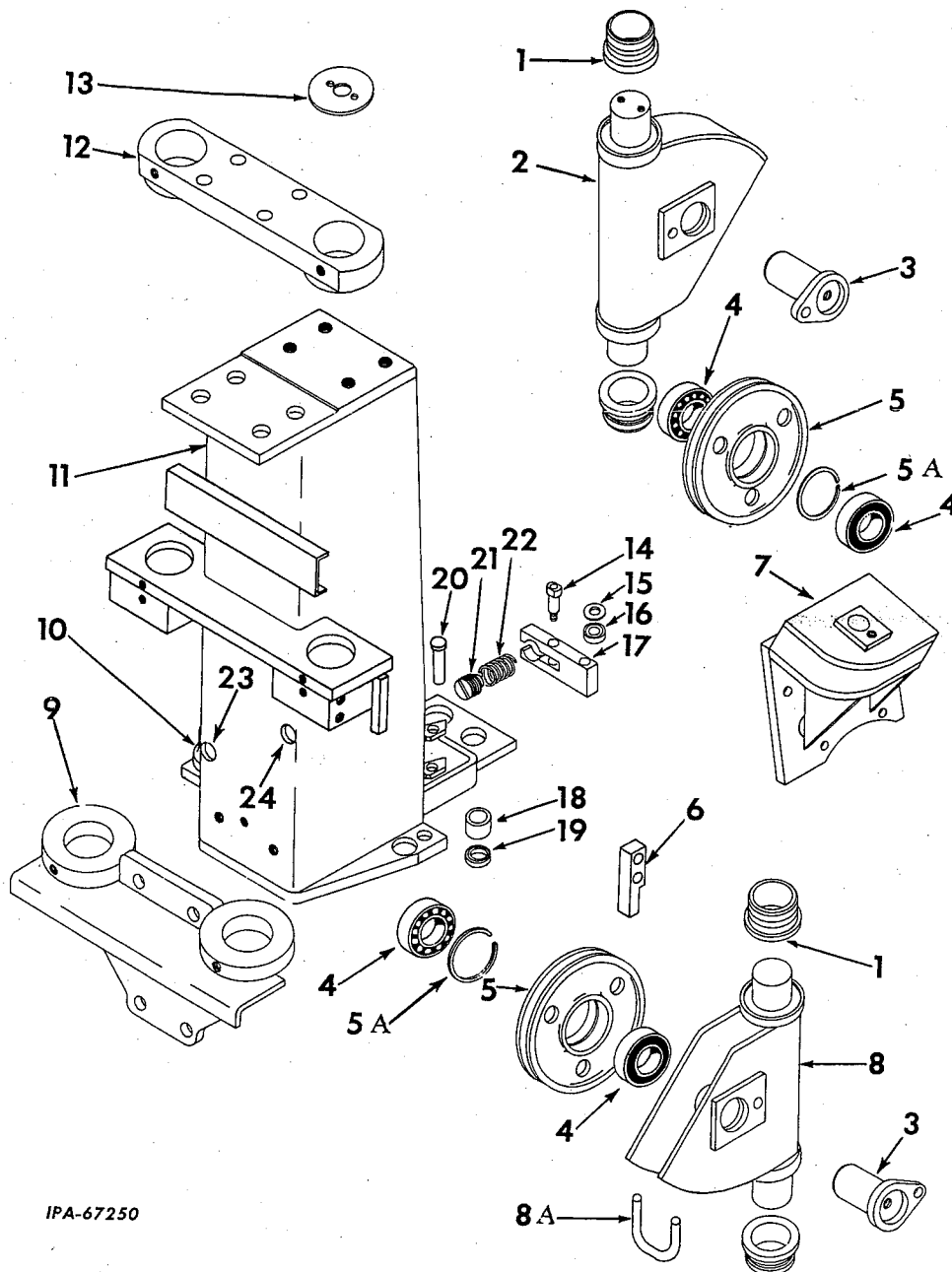


1	286 442 R1	GASKET, adapter to gear case
2	335 959 R1 102 639 271 559 271 563	ADAPTER NUT (7) SCREW, 5/8 x 1-5/8" hex-hd cap (9) SCREW, 5/8 x 2-1/4" hex-hd cap (7)
3	325 429 R1	GASKET, adapter to tractor
4	286 450 R1	WASHER, thrust
5	286 449 R1	PLATE, centering

MOUNTED EQUIPMENT

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

15-260 REAR CABLE CONTROL UNIT FAIRLEAD



IPA-67250

1	286 385 R1	BUSHING, fairlead frame (8)	6	326 122 R1 271 562	STOP, lower movable sheave SCREW, hex-hd cap (2)
2	308 770 R91	FRAME, upper fairlead (2)	7	333 413 R91 271 560	HOUSING, side sheave SCREW, hex-hd cap (4)
3	289 273 R11 271 554	SHAFT, fairlead sheave (4) SCREW, hex-hd cap (4)	8	308 769 R91	FRAME w/STIFFENER, 308 802 R2, lower fairlead (2)
4	ST 596	BEARING, fairlead sheave (8)	8A	308 802 R2	STIFFENER, lower, fairlead frame (2)
5	294 866 R1	SHEAVE, fairlead (4)			
5A	290 358 R1	RING, sheave bearing retainer (4)			

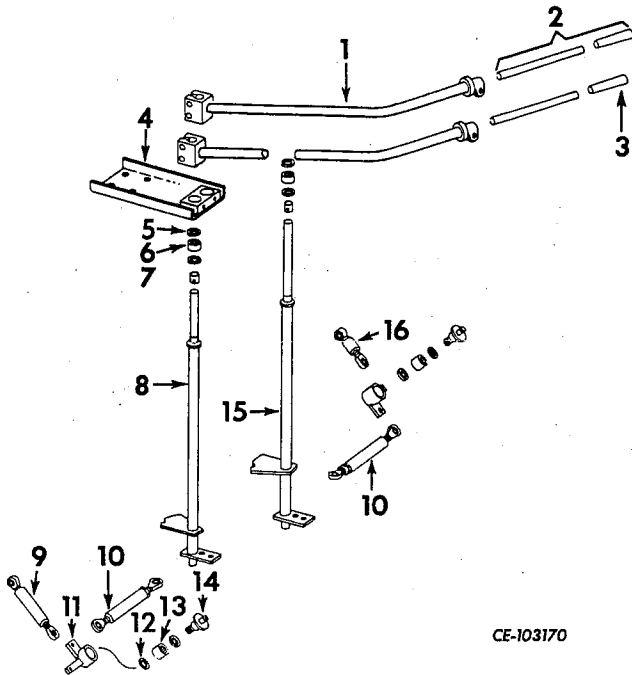
MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
15-260 REAR CABLE CONTROL UNIT — Continued FAIRLEAD					
9	308 765 R11	SUPPORT, tower lower bearing			
	220 081	NUT (2)			
	271 611	SCREW, hex-hd cap (4)			
10	286 552 R91	CUTTER, cable (Refer to "Cable Cutter")			
11	620 720 C91	TOWER w/CUTTER, 286 552 R91, side and fairlead sheave			
	271 611	SCREW, hex-hd cap (4)			
12	308 764 R11	SUPPORT, tower upper bearing			
	220 081	NUT (4)			
	271 614	SCREW, hex-hd cap (4)			
13	286 464 R1	SHIELD, fairlead frame bushing dust (2)			
	179 791	SCREW, hex-hd cap (4)			
	103 319	WASHER, lock (4)			
14	308 762 R1	SHAFT, tower tiller lockout follower (2)			
	102 635	NUT (2)			
	103 321	WASHER, lock (2)			
15	308 761 R1	WASHER, tower tiller lockout follower thrust (4)			
16	309 059 R91	BEARING, tower tiller lockout roller follower (2)			
17	308 760 R1	FOLLOWER, tower tiller lockout spring (2)			
18	298 175 R91	BEARING, tower tiller support needle (2)			
19	287 058 R91	OIL SEAL, tower tiller support bearing (4)			
20	309 749 R1	PIN, end (2)			
	108 630	PIN, cotter (2)			
21	308 763 R1	ADJUSTMENT, tower tiller lockout spring (2)			
22	287 009 R1	SPRING, tower tiller lockout (2)			
23		(Screw adjustment hole)			
24		(Screw adjustment hole)			
	109 461	FITTING, lubrication, 1/8" (12)			
	109 462	FITTING, lubrication (2)			

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION

15-260 REAR CABLE CONTROL UNIT CABLE OPERATING CONTROLS



1	342 491 R11 102 639 271 564	LEVER, tower tiller (2) NUT (4) SCREW, hex-hd cap (4)
2	293 808 R91 179 883 103 323	HANDLE w/GRIP, 619 405 C1, tower tiller lever (2) SCREW, hex-hd cap (2) WASHER, heavy lock (pln) (2)
3	619 405 C1	GRIP, tower tiller lever handle (2)
4	308 807 R11 271 556	SUPPORT, tower tiller upper SCREW, hex-hd cap (4)
5	287 058 R91	OIL SEAL, tower tiller upper bearing oil (4)
6	298 175 R91	BEARING, tower tiller upper (2)
7	308 813 R1	RACE, tower tiller post inner (4)
8	308 810 R12	POST w/two RACE, 308 813 R1, tower tiller bowl
9	308 820 R91 103 028 181 431 181 433	LINK, control, long NUT, NF (2) SCREW, 1/2"NF x 1-1/2" hex-hd cap SCREW, 1/2"NF x 1-3/4" hex-hd cap

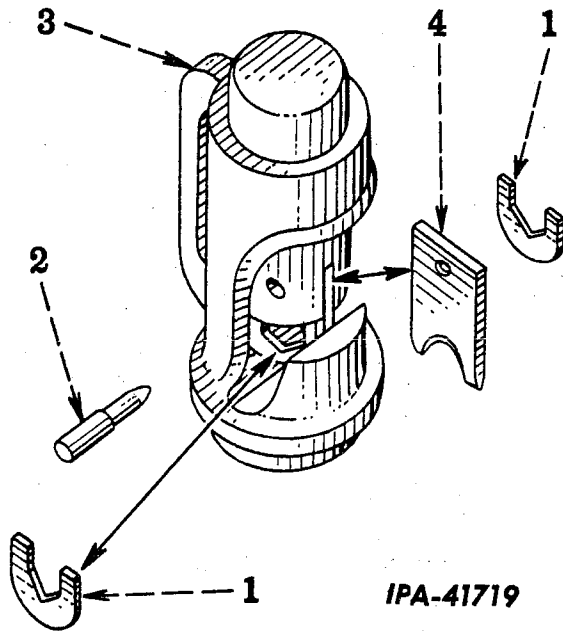
REF. NO.	PART NUMBER	DESCRIPTION

10	308 822 R91 103 028 181 431	LINK, control adjustable (2) NUT, NF (4) SCREW, hex-hd cap (4)
11	308 815 R91	BELLCRANK, control link (2)
12	287 058 R91	OIL SEAL, control link bellcrank bearing (4)
13	914 455 R91	BEARING, control link bellcrank (2)
14	308 818 R11 218 443	BOLT, control link bellcrank (2) NUT, jam (2)
15	308 809 R12	POST w/two RACE, 308 813 R1, tower tiller - ejector
16	308 819 R91 103 028 181 433 181 431	LINK, control short NUT, NF (2) SCREW, 1/2"NF x 1-3/4" hex- hd cap SCREW, 1/2"NF x 1-1/2" hex- hd cap
	109 460	FITTING, lubrication (4)
	102 467 H	FITTING, straight lubrication (Optional with 110 146 R91) (4)
	110 146 R91	FITTING, straight lubrication (Optional with 102 467 H) (4)
	109 462	FITTING, lubrication (2)
	273 352	FITTING, lubrication (2)
	117 175	FITTING, lubrication (4)

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION

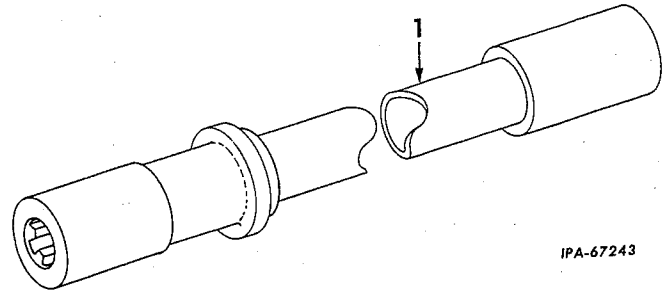
15-260 REAR CABLE CONTROL UNIT
CABLE CUTTER



IPA-41719

REF. NO.	PART NUMBER	DESCRIPTION

15-260 REAR CABLE CONTROL UNIT
POWER TAKE-OFF SHAFT



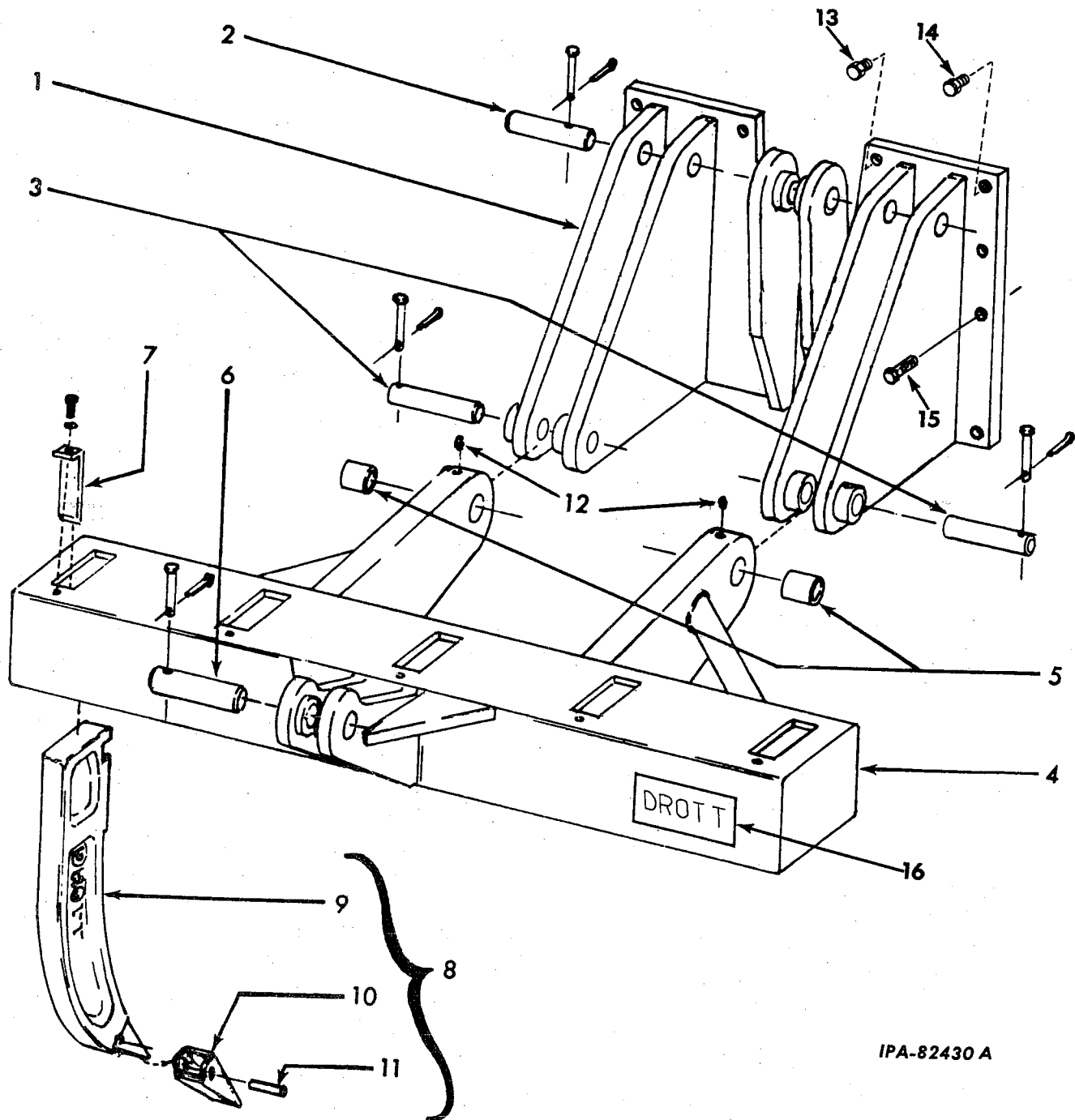
IPA-67243

1 333 425 R11 SHAFT, power take-off

1	289 203 R1	BLADE, bottom (2)
2	289 204 R1	PIN, top cutting blade locking
3	286 552 R91	CUTTER ASSEMBLY, cable (Composed of -
	1 BLADE	289 202 R1
	2 BLADE	289 203 R1
	1 PIN	265 923 R1
	1 PIN	289 204 R1)
4	289 202 R1	BLADE, top cutting
	265 923 R1	PIN, roll

MOUNTED EQUIPMENT

SCARIFIER (Drott)



IPA-82430 A

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SCARIFIER — Continued (Drott) (See NOTE)					
1	52 461	HITCH, scarifier			
2	41 490 10 833 4 627	PIN, cylinder to hitch PIN, clevis PIN, cotter			
3	42 725 10 816 4 627	PIN, hitch to frame (2) PIN, clevis (2) PIN, cotter (2)			
4	52 462	FRAME, scarifier (Includes 2 of Ref. No. 5)			
5	41 460	BUSHING, frame (2)			
6	41 777 10 833	PIN, cylinder to frame PIN, clevis			
7	63 018 2 137	LOCK, tooth to frame (3) SCREW, NF cap (3)			
8	200 961	TOOTH, scarifier (Consists of Ref. No. 9 through 11) (3)			
9	33 065	SHANK, tooth (3)			
10	160 161 H1	TIP, replaceable (3)			
11	7 895	PIN, roll (3)			
12	12 031	FITTING, lubrication (2)			
13	2 304	CAPSCREW, NF (2)			
14	2 649	CAPSCREW (4)			
15	2 622	CAPSCREW (8)			
16	23 893	"DROTT," nameplate (Welded on)			

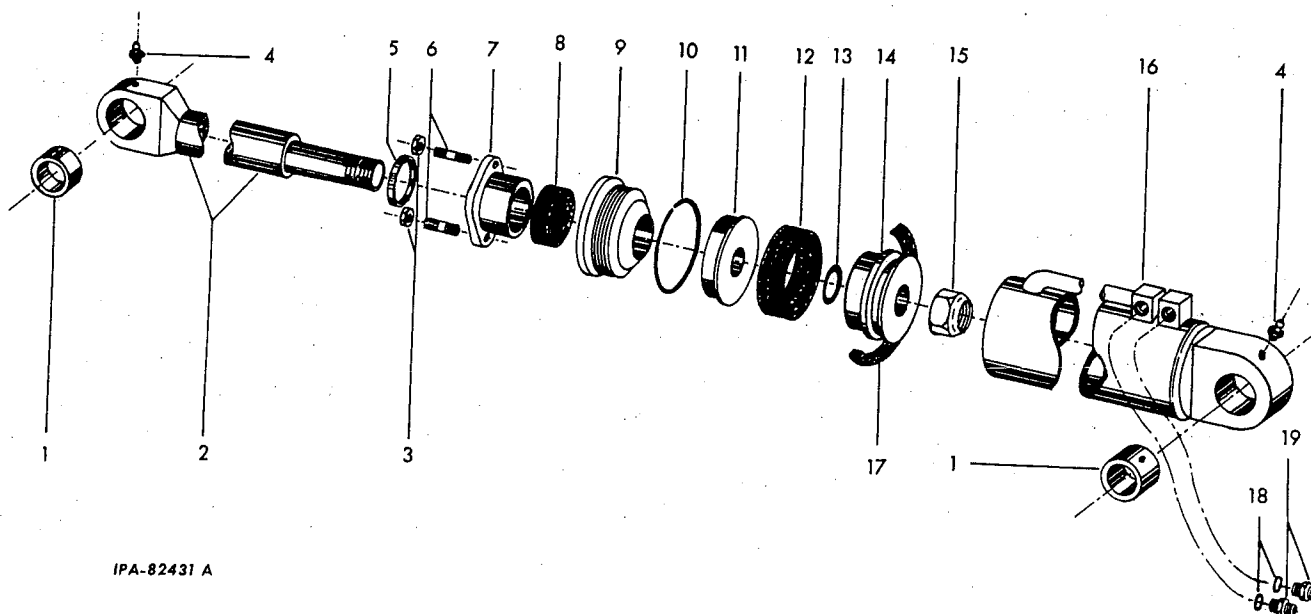
NOTE: DOMESTIC USE: Order Drott parts from Drott Manufacturing Corp., Wausau, Wisconsin, through your I.H. Pay Line Division Distributor.

OVERSEAS AFFILIATES AND DISTRIBUTORS - Order through your Parts Distribution Center.

MOUNTED EQUIPMENT

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

SCARIFIER CYLINDER (Drott)



IPA-82431 A

	33 445 M1	CYLINDER, scarifier (See NOTE) (Consists of Reference Nos. 1 thru 17)	10	6 022	"O" RING, 4-31/32"ID x 5-1/2"OD
			11	25 946	PISTON
1	20 045	BUSHING (2)	12	25 943 M1	"V" RING ASSY., cut
2	29 758	ROD, piston	13	5 811	"O" RING, 1-15/64"ID x 1-1/2"OD
3	17 155	NUT, self-locking, 1/2"NF (2)	14	28 302	PISTON w/"O" RING SEAT
4	12 031	FITTING, grease (2)	15	23 007	NUT, self-locking, 1-1/4"NF
5	22 940	RING, wiper	16	202 552	TUBE, cylinder
6	22 452	STUD, NF (2)	17	23 694 M1	RING, piston wear
7	28 213	FLANGE, packing	18	6 061	"O" RING, 41/64"ID x 59/64"OD (2)
8	28 514	PACKING, "V" ring	19	7 982	ADAPTER, straight male (2)
9	28 215 M1	HEAD, cylinder			

NOTE:

DOMESTIC USE: Order Drott Parts from Drott Manufacturing Corp., Wausau, Wisconsin, through your I.H. Pay Line Division Distributor.

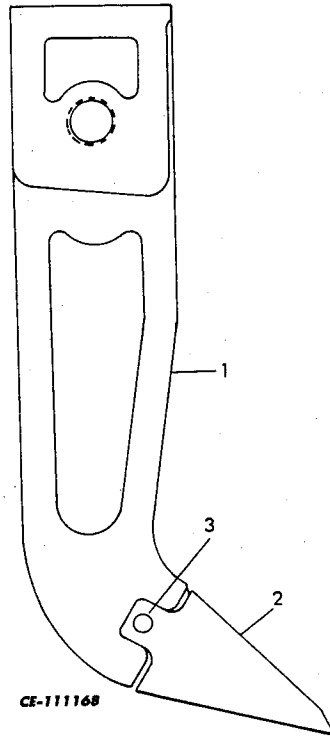
OVERSEAS AFFILIATES AND DISTRIBUTORS: Order through your Parts Distribution Center.

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION

SHANK (Forged)
(Used with Ripper Attachment and Shank Mounting Pin Attachment)

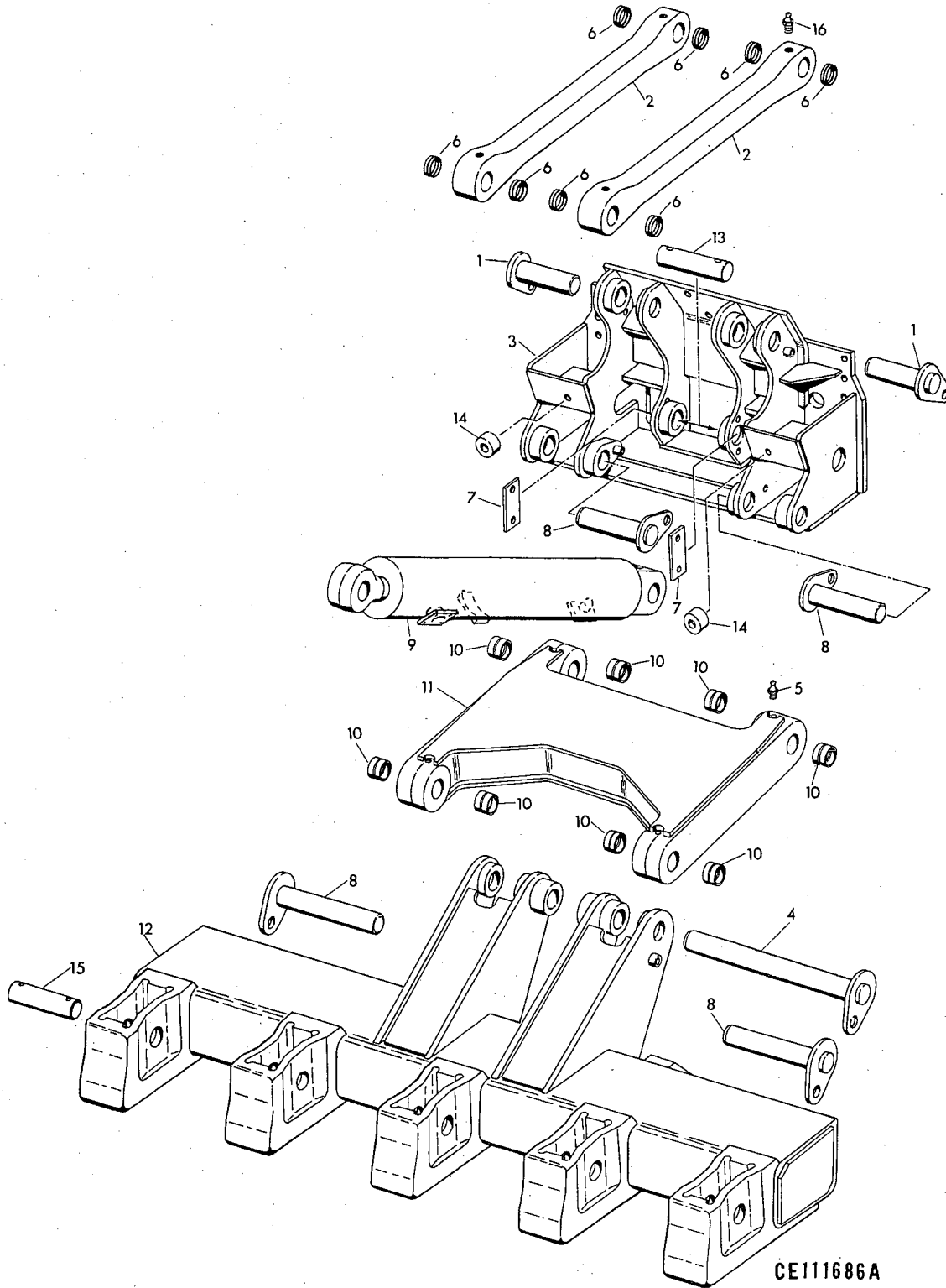


	635 335 C91	ATTACHMENT, ripper shank w/tip (Forged) (See NOTE 2)	
1	717 869 C91	SHANK w/tip ripper(Replaces, 710 182 C91) (Composed of—	
	1	PIN	710 185 C1
	1	POINT	710 184 C2
	§ 1	SHANK	)
2	710 184 C2	POINT	
3	710 185 C1	PIN, flex	

NOTE 2: Field Application. Order on Machine Order Form.

MOUNTED EQUIPMENT

RIPPER



CE111686A

MOUNTED EQUIPMENT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RIPPER - Continued (Not For Low Ground Pressure)			635 484 C91	ATTACHMENT, ripper (Model 15R5) (For use on machines w/3 section valve, 2 lever HCU or 3 section valve, 1 lever HCU, plus auxiliary control) (Not for Low Ground Pressure) (Consists of the following parts which are listed and illustrated throughout this catalog) (See NOTE 2)	
1	710 133 C1 24 859 R1 25 555 R1 116 121	PIN, strut (2) SCREW, hex-hd cap (2) WASHER, hardened (2) WASHER, lock (2)		1 BEAM	710 106 C1
2	710 156 C91	STRUT w/four bushing 710 158 C1 and two fitting 109 461 (2)		2 BOLT	24 843 R1
3	710 138 C1 25 845 R1 26 035 R1 25 550 R1 25 862 R1	FRAME, basic mounting SCREW, 1" dia. hex hd cap (12) SCREW, 1-1/8" dia. hex hd cap (4) WASHER, 1" hardened (12) WASHER, 1-1/8" hardened (4)		7 BOLT	24 859 R1
4	710 101 C1 24 859 R1 25 555 R1 116 121	PIN SCREW, hex-hd cap WASHER, hardened WASHER, lock		4 BOLT	24 860 R1
5	109 461	FITTING, lube (4)		2 BOLT	24 865 R1
6	710 158 C1	BUSHING (8)		2 BOLT	25 555 R1
7	710 132 C1 24 860 R1 116 121	PLATE, pin retainer (2) SCREW, hex-hd cap (4) WASHER, lock (4)		2 BOLT	25 768 R1
8	710 103 C1 24 859 R1 25 555 R1 116 121	PIN, (4) SCREW, hex hd cap (2) WASHER, hardened (2) WASHER, lock (2)		12 BOLT	25 845 R1
9		CYLINDER, hydraulic lift (Refer to "Hydraulic Ripper Lift Cylinder")		4 BOLT	26 035 R1
10	710 160 C1	BUSHING, draft frame (8)		23 BOLT	140 483 H
11	710 159 C91	DRAFT FRAME w/eight BUSHING, 710 160 C1 and four FITTING, 109 461		3 CLAMP	602 449 C1
12	710 106 C1	BEAM, basic tool		2 CONNECTOR	9 410 207
13	710 131 C1	PIN, cylinder mounting		1 CYLINDER	706 812 C91
14	712 591 C1 24 865 R1 25 536 R1 9 412 230 712 592 C1	PLATE, stop (2) SCREW, hex hd cap (2) WASHER, flat (2) NUT, stover lock (2) SHIM, stop (8)		1 FITTING	109 461
15	710 128 C1 12 505 R1	PIN, shank mounting (Part of ATTACHMENT, 635 336 C91) PIN, cotter (2)		1 FITTING	126 152
16	109 461	FITTING, lube (4)		8 FLANGE	283 172 R1
	635 336 C91	ATTACHMENT, shank mounting pin (Not part of "Ripper Attachment") (Used with Ripper and Shank Attachments) (Consists of - 1 PIN 710 128 C1 2 PIN 12 505 R1)		1 FRAME	710 138 C1
				1 FRAME	710 159 C91
				2 HOSE	710 416 C1
				6 NUT	25 522 R1
				2 NUT	9 412 230
				1 PIN	710 101 C1
				2 PIN	710 103 C1
				1 PIN	710 131 C1
				2 PIN	710 133 C1
				1 PLATE	710 132 C1
				2 PLATE	712 591 C1
				2 RING	296 247 R1
				5 RING	380 794 R1
				8 SHIM	712 592 C1
				2 SPACER	710 420 C1
				2 STRUT	710 156 C91
				1 TUBE	710 127 C1
				1 TUBE	710 418 C1
				1 TUBE	710 419 C1
				2 WASHER	25 536 R1
				12 WASHER	25 550 R1
				5 WASHER	25 555 R1
				4 WASHER	25 862 R1
				2 WASHER	674 980
				28 WASHER	115 093
				17 WASHER	116 121

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