

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 or dealer for information on the latest revision.

Hyd Filter-FRAM CH 107 PL - WIX 51123
TRANS Filter CH 33 APL - WIX 51136

INTERNATIONAL H-30B
RUBBER TIRED LOADER

FORM PM-H-30B-6
With Partial Revision No. 1

JUNE, 1975
(Includes Partial Revision No. 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:

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☐ PMH-30B-6	Chassis Parts Catalog	15.00
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☐ OM-H-30B-4	Operator's Manual	5.00
☐	Operator's Manual	
☐ ISS-1040-1 (G-263, D-236)	Engine Service Manual	15.00
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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.

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TO THE OWNER

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 AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO INSTALL SUCH CHANGES ON PRODUCTS PREVIOUSLY SOLD.

When ordering parts, always give the following information.

1. The IH part number, including suffix or prefix letters, the name of the part and the quantity needed. Do not include the illustration reference number.
2. The complete chassis and engine serial number of the machine, including the Kind, Variation and Country of Origin codes, and the serial sequence number. (Refer to "INTRODUCTION.")
3. When ordering parts for units which may have their own serial number, such as transmission, torque converter, blade or bucket, drive axle, etc., also include the serial number of such units.

We suggest that you write the serial numbers for your machine in the spaces provided below, for ready reference when parts are needed.

CHASSIS SERIAL NO. _____

ENGINE SERIAL NO. _____

REAR AXLE SERIAL NO. _____

FRONT AXLE SERIAL NO. _____

HYDRAULIC PUMP SERIAL NO. _____

HYDRAULIC VALVE SERIAL NO. _____

POWER TAKE-OFF SERIAL NO. _____

TORQUE CONVERTER SERIAL NO. _____

TRANSMISSION SERIAL NO. _____

INTRODUCTION

CHASSIS SERIAL NUMBER

OLD SERIAL NUMBER SYSTEM

	MODEL NO.	SERIES	POWER	STARTING UNIT NO.
U-240 (I.H.)	10 @ 34 @ 36 @	B B B	H H H	1701 to 2083
G-263 (I.H.)	10 @ 34 @ 36 @	B B B	H H H	2084
D-236 (I.H.)	11 @ 35 @ 37 @	B B B	H H H	1201
3-53 (G.M.)	11 @ 35 @ 37 @	B B B	G G G	1466

@ NOTE: MODELS 10 and 11 are four wheel drive.
MODELS 34 and 35 are front wheel drive.
MODELS 36 and 37 are rear wheel drive.

NEW SERIAL NUMBER SYSTEM

ENGINE MODEL	KIND (MODEL)	ENGINE POWER CODE	COUNTRY OF ORIGIN	STARTING UNIT NO.
G-263 (I.H.)	340 340 340 340 340 340	202 % 202 % 402 % 402 % 602 % 602 %	U (U.S.A.) C (Canada) U (U.S.A.) C (Canada) U (U.S.A.) C (Canada)	2084 3927 2084 3927 2084 3927
D-236 (I.H.)	340 340 340 340 340 340	304 % 304 % 503 % 503 % 703 % 703 %	U (U.S.A.) C (Canada) U (U.S.A.) C (Canada) U (U.S.A.) C (Canada)	1201 3927 1201 3927 1201 3927
3-53 (Detroit Diesel)	340 340 340 340 340 340	306 % 306 % 504 % 504 % 704 % 704 %	U (U.S.A.) C (Canada) U (U.S.A.) C (Canada) U (U.S.A.) C (Canada)	1466 3927 1466 3927 1466 3927

% NOTE: - CODES 202, 304 and 306 are four wheel drive.
CODES 402, 503 and 504 are front wheel drive.
CODES 602, 703 and 704 are rear wheel drive.

INTRODUCTION

Usually, sequence numbers only are supplied in text. When required, Country of Origin and Engine Type (Code) will also be shown. Example:

Sequence number - 01234
Country of Origin - U001234
Engine Type (Code) - 307U001234

IMPORTANT

Each part pictured in this manual is given an identification number which corresponds to the item number in the parts lists of the group. These item numbers are given to identify the part and name of the items wanted. Parts listed herein apply to machines beginning with serial number shown unless otherwise specified in the serial number column or at the top of the page. The quantity required information is shown in parenthesis following the description of the parts. When parts are shown without a quantity, it should be understood to mean only one (1) is required.

The bucket is always considered as the front end of the machine and right (RH) or left hand (LH) sides are determined by the operator's position when sitting in the seat and facing the bucket.

Always give the following information on all repair parts ordered.

1. The Part Number, Name and Quantity of Items needed.
2. The Kind, Power, Country of Origin and Unit Number of the machine.
3. When ordering parts for the Transmission, Drive Axle, Pump, Valve or Engine, be sure to give the Serial Number and Model Number of such units.
4. Give the Destination and Method of Shipment desired along with any special invoicing instructions.

INTRODUCTION

QUICK REFERENCE FOR FILTER ELEMENTS AND BELTS

ELEMENTS

Air Cleaner Filter
 U003904 and Up, C003985 and up
 U003949 thru 04685, also 03942, 43 & 44
 C003985 thru 04700
 U004686 and up)
 C004701 and up) Safety Primary

Engine Lubricating Oil Filter w/Gasket

Fuel System

Auxiliary Pump Filter
 04164 and below
 04165 to +
 + and up

Fuel Filter, Final
 Fuel Filter, Primary
 Fuel Pump, Filter

Torque Converter Oil Filter

Reservoir Filter

BELTS

Fan, Water Pump and Generator
 Fan, Water Pump and Alternator

U-240 ENGINE	G-263 ENGINE	D-236 ENGINE	DETROIT DIESEL 3-53 ENGINE
-	-	-	886 017 C92
-	886 019 C91	886 019 C91	-
-	886 019 C91	886 019 C91	-
-	537 535 R2	537 335 R2	-
-	924 779 C1	924 779 C1	-
323 827 R91	323 827 R91	323 827 R91	*
-	-	313 606 R1	-
-	-	60 351 DA	-
-	-	-	-
-	-	304 101 R91	-
-	-	306 353 R91	*
-	967 640 R21	-	-
302 574 R91	302 574 R91	302 574 R91	302 574 R91
147 046 H1	147 046 H1	147 046 H1	147 046 H1
or	or	or	or
940 122 C1	940 122 C1	940 122 C1	940 122 C1
155 836 H1	188 839 H1	304 436 R1	-
-	192 806 H1	670 261 C1	-

* - Contact the DETROIT DIESEL ENGINE distributor or dealer.

+ - Serial number not available.

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SECTION 1

CHASSIS

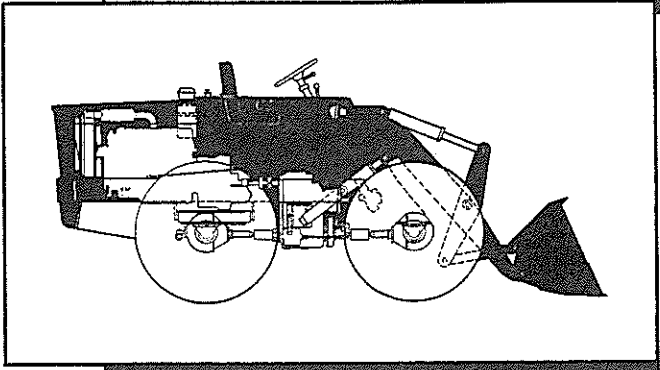
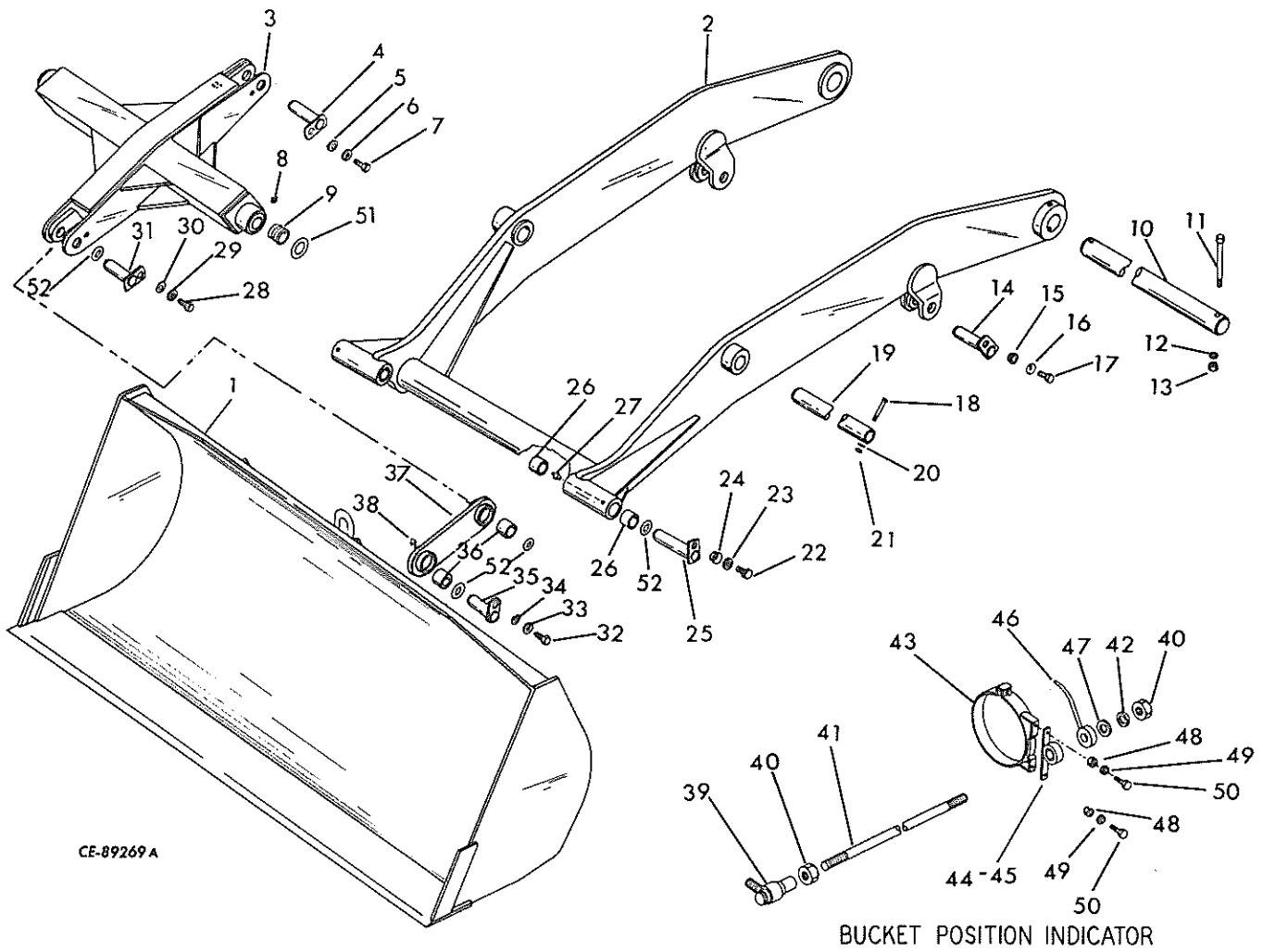


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CHASSIS

BOOM, BUCKET AND LINKAGE



CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM, BUCKET AND LINKAGE — Continued					
1		BUCKET (See "BUCKETS" in Section 14)	22	181 429	SCREW, 1/2 x 1-1/4" NF cap (2)
2	161 432 H2	BOOM w/four BUSHINGS, 148 059 H1 (Not used on units equipped with 8-1/2 ft. or 9 ft. High-Lift Booms or Logger Attachment)	23	103 323	WASHER, 1/2" lock (2)
2	199 856 H1	BOOM w/four BUSHINGS, 148 059 H1 (Used only on units equipped with 9 ft. High-Lift Boom)	24	144 062 H1	SPACER (2)
2	931 393 C1	BOOM w/four BUSHINGS, 148 059 H1 (Used only on units equipped with 8-1/2 ft. High-Lift Boom)	25	160 503 H1	LOCK, pin (2)
2	933 512 C1	BOOM w/four BUSHINGS, 148 059 H1 (Used only on units equipped with Hydraulic Kit for 8-1/2 ft. high Lift Boom)	26	148 059 H1	BUSHING (4)
2	896 971 C1	BOOM, w/four BUSHINGS, 148 059 H1 (Used only on units equipped with Logger Attachment)	27	109 462	FITTING, grease (2)
3	164 753 H2	BELLCRANK, w/two BUSHING, 189 305 H1)	28	181 423	SCREW, 1/2 x 5/8" NF cap
4	164 768 H1	LOCK PIN	29	103 323	WASHER, 1/2" lock
5	106 265	WASHER, 1/2" flat	30	106 265	WASHER, 1/2" flat
6	103 323	WASHER, 1/2" lock	31	164 766 H1	LOCK, pin
7	181 423	SCREW, 1/2 x 5/8" NF cap	32	181 429	SCREW, 1/2 x 1-1/4" NF cap
8	109 461	FITTING, grease (2)	33	103 323	WASHER, 1/2" lock
9	189 305 H1	BUSHING (2)	34	144 062 H1	SPACER
10	157 508 H1	SHAFT, boom pivot	35	157 509 H1	LOCK, pin
11	20 515 R1	SCREW, 1/2 x 5-3/4" NF cap (2)	36	158 833 H1	BUSHING (2)
12	103 323	WASHER, 1/2" lock (2)	37	211 421 H1	LINK (Includes Item 36)
13	103 028	NUT, 1/2" NF (2)	38	109 461	FITTING, grease (2)
14	157 509 H1	LOCK, pin (2)	39	333 805 R1	BALL, joint (%)
15	144 062 H1	SPACER (2)	40	103 028	NUT, 1/2" NF (%) (3)
16	103 323	WASHER, 1/2" lock (2)	41	113 061 H1	ROD, 26-7/8" long (Not used on units equipped with High-Lift Boom or Logger Attachment)
17	179 883	SCREW, 1/2 x 1-1/4" NC cap (2)	41	200 526 H1	ROD, 37-1/2" long (Used only on units equipped with High-Lift Boom)
18	186 335	SCREW, cap (2)	42	103 321	WASHER, 3/8" lock (%) (2)
19	160 521 H1	SHAFT, bellcrank	43	112 329 H1	CLAMP (%)
20	103 323	WASHER, 1/2" lock	44	190 290 H1	GUIDE w/BUSHING, 160 608 H1, two WASHER, 173 862 H1 and two RETAINING RINGS, 173 863 H1 (%)
21	103 028	NUT, 1/2" NF (2)	45	160 608 H1	BUSHING (%)
			46	160 603 H1	INDICATOR (%)
			47	103 343	WASHER, 1/2" flat (%)
			48	103 025	NUT, 5/16" NF (%) (2)

(%) - Not used on units equipped with Logger Attachment.

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM, BUCKET AND LINKAGE — Continued					
49	103 320	WASHER, 5/16"NF lock (%) (2)			
50	181 343	SCREW, 5/16 x 1-1/2"NF cap (%) (2)			
51	160 528 H1	RING, cord (2)			
52	160 529 H1	RING, cord (Solid type) (10)			
	85 490 H	SPACER, guide (5/8"OD x 3/4") (2)			
	173 862 H1	WASHER (Part of GUIDE ASSY., 190 290 H1) (%) (2)			
	173 863 H1	RING, retaining (Part of GUIDE ASSY., 190 290 H1) (%) (2)			
	23 047 R1	SHIM (.06") - Cord ring (x)			

(x) - As Required.

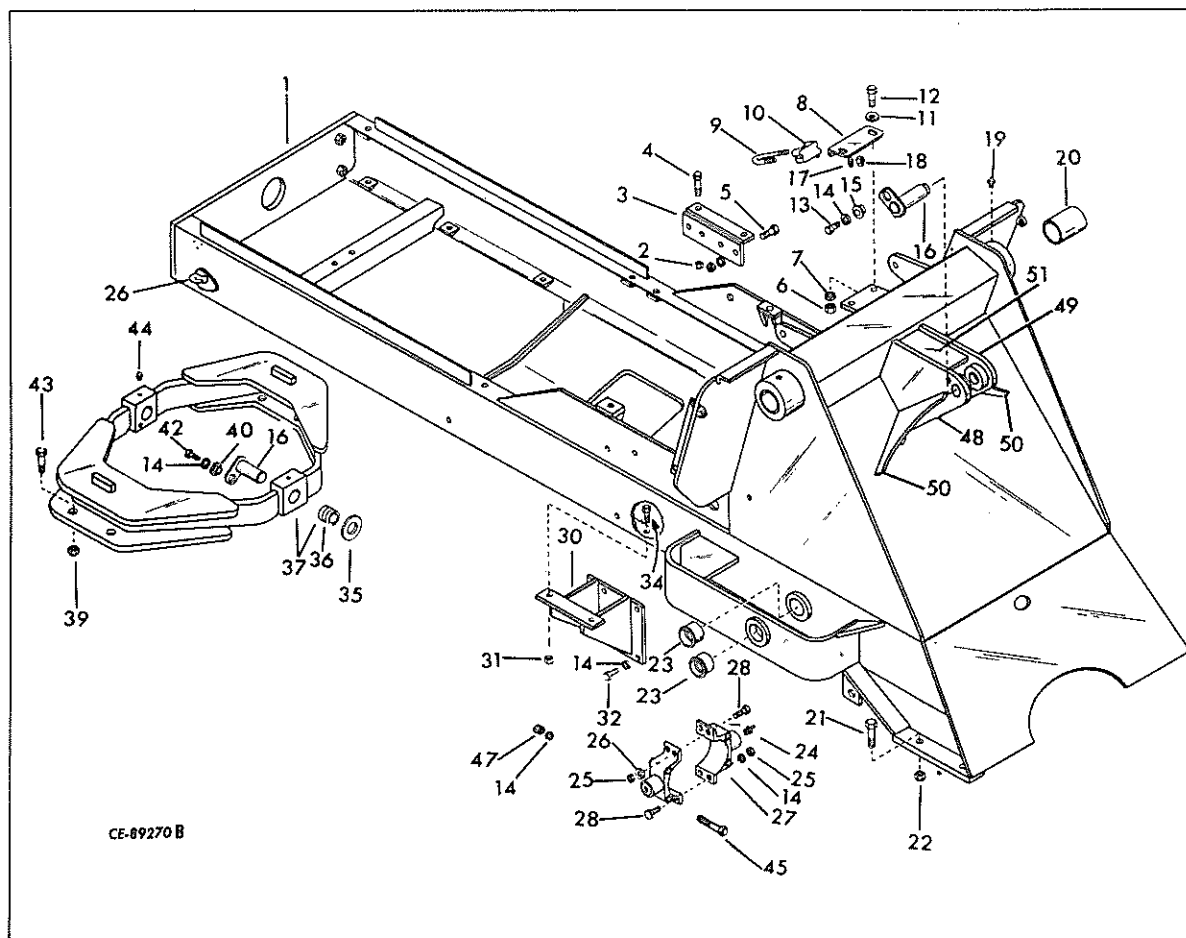
(%) - Not used on units equipped with Logger Attachment.

CHASSIS

MEMORANDA

CHASSIS

MAIN FRAME



CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MAIN FRAME — Continued					
1	174 944 H6	MAIN FRAME (Not used on units equipped with I.H. Backhoe, Rear Pusher Plate, Logger Attachment or Hydraulic Kit for 8-1/2 ft. High Lift) (See NOTE 1)	21	21 197 R1	SCREW, 3/4 x 2-3/4" NF cap (8)
1	203 652 H2	MAIN FRAME (Used on units equipped with I.H. Backhoe) (See NOTE 1)	22	18 595 R1	NUT (8)
1	190 037 H1	MAIN FRAME (Used on units equipped with Rear Pusher Plate (See NOTE 1)	23	157 852 H1	BUSHING (4)
1	896 970 C1	MAIN FRAME (Used on units equipped with Logger Attachment or Hydraulic Kit for 8-1/2 ft. High Lift) (See NOTE 1)	24	109 461	FITTING, grease (4)
2	18 452 R1	NUT, 1/2" - 20 NF (4)	25	103 028	NUT, 1/2" NF hex (16)
3	157 294 H2	BRACKET, LH transmission	26	158 948 H1	HOOK, towing - RH (Not used on units equipped with Backhoe or Rear Pusher Plate)
4	181 435	SCREW, 1/2 x 2" NF cap (2)	26	158 949 H1	HOOK, towing - LH (Not used on units equipped with Backhoe or Rear Pusher Plate)
5	181 435	SCREW, 1/2 x 2" NF cap (4)		271 585	BOLT, 5/8" NF x 1-3/4" (2)
6	102 635	NUT, 3/8" NC hex (2)		103 325	WASHER, 5/8" lock (2)
7	103 321	WASHER, 3/8" lock (2)		103 030	NUT, 5/8" NF hex (2)
8	144 078 H1	BRACKET, steering gear		21 197 R1	BOLT, 3/4" NF x 2-3/4" (2)
9	144 079 H1	BOLT, "U"		103 326	WASHER, 3/4" lock (2)
10	144 068 H1	BLOCK		218 197	NUT, 3/4" NF hex (2)
11	106 263 178 556	WASHER, 3/8" flat (2) WASHER, lock (2)	27	157 525 H1	TRUNNION HALF (4)
12	179 840	SCREW, 3/8 x 1-1/8" NC cap (2)	28	181 433	SCREW, 1/2 x 1-3/4" NF cap (8)
13	179 883	BOLT, 1/2" NC x 1-1/4" (Not used on units equipped with Bucket Leveler Kit)	30	157 293 H1	BRACKET, RH transmission (8)
13	181 429	BOLT, 1/2" NF x 1-1/4" (Use on units equipped with Bucket Leveler Kit)	31	18 452 R1	NUT, 1/2" - 20 NF (8)
14	103 323	WASHER, 1/2" lock (35)	32	179 884	SCREW, 1/2 x 1-3/8" NC cap (7)
15	144 062 H1	SPACER (Not used on units equipped with Bucket Leveler Kit)	34	181 435	SCREW, 1/2 x 2" NF cap (4)
15	193 490 H1	SPACER (Use on units equipped with Bucket Leveler Kit)	35	134 639 H1	SPACER (AR)
16	157 509 H1	PINLOCK (3)	36	158 833 H1	BUSHING (2)
17	103 321	WASHER, 3/8" lock (2)	37	157 406 H2	BOLSTER w/two BUSHING, 158 833 H1 (Use with 12:00, 13:00 and 15:50 tires only)
18	18 423 R1	NUT, 3/8" NC hex (2)	37	895 042 C1	BOLSTER w/two BUSHING, 158 833 H1 (Use with 14:00 tires only)
19	109 461	FITTING, grease (2)	39	209 135 H1	NUT (8)
20	158 843 H1	BUSHING (2)	40	144 062 H1	SPACER (2)
			42	179 883	SCREW, 1/2 x 1-1/4" NC cap (2)

NOTE 1: Service parts will be available on special order with clearance of the Engineering Department. Chassis Serial Number must be furnished when ordering. Order on Machine Order Form.

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MAIN FRAME — Continued					
43	21 197 R1	SCREW, 3/4 x 2-3/4"NF cap (8)			
44	109 462	FITTING, grease (2)			
45	106 335	SCREW, 1/2 x 4-1/4"NF cap (8)			
47	103 028	NUT, 1/2"NF hex (8)			
48	157 880 H1	PLATE, RH			
49	157 881 H1	PLATE, LH			
50	157 885 H1	GUSSET (2)			
51	168 325 H1	GUSSET			
	109 461	FITTING, grease - Trunnion (2)			
	165 338 H1	NUT, plug (6)			
	172 142 H1	SHIM (.06") - Bolster (x)			
	23 047 R1	SHIM, bucket cylinder to frame (4)			
	KIT, frame reinforcement				
	(Order the following -				
	2 BAR	887 176 C1			
	4 GUSSET	121 911 H1			
	1 DRAWING,				
	FGH	10 909)			

(x) - As Required.

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SHEET COWLING					
1	175 402 H1	GRILLE (Not used on units equipped with Back-Up Warning Horn)	7	885 710 C3	HOOD, rear (I.H. Engines with Dry-Type Air Cleaner) (Not used on units equipped with I.H. Backhoe) U004590 thru 04685 C004185 thru 04700
1	939 862 C1	GRILLE (Used on units equipped with Back-up Warning Horn)	7	922 171 C2	HOOD, rear (I.H. Engines with Dry-Type Air Cleaner) (Not used on units equipped with I.H. Backhoe) U004686 and up C004701 and up
181 431		SCREW, 1/2 x 1-1/2" NF cap (Grille Mounting) (2)	8	181 365	SCREW, 3/8 x 1-1/8" NF cap (2)
103 323		WASHER, 1/2" lock (Grille Mounting) (2)	8	181 360	SCREW, 3/8 x 3/4" NF cap (3)
106 265		WASHER, 1/2" flat (Grille Mounting) (2)	9	158 187 H2	PANEL ASSY., LH (Not used on units equipped with I.H. Backhoe) U005177 and Below C004952 and Below
2	139 430 H1	GROMMET	9	875 796 C1	PANEL ASSY., LH (Not used on units equipped with I.H. Backhoe) U005178 and Up C004953 and Up
3	103 026	NUT, 3/8" NF hex (4)	9	206 785 H1	PANEL ASSY., LH (Used on units equipped with I.H. Backhoe)
4	103 321	WASHER, 3/8" lock (4)	10	158 189 H2	PANEL, L.H.
5	103 341	WASHER, 3/8" flat (4)			
6	181 364	SCREW, 3/8 x 1" NF cap (4)			
7	184 856 H1	HOOD, rear (G.M. 3-53 Engine with Oil Bath Air Cleaner)			
7	894 514 C1	HOOD, rear (G.M. 3-53 Engine with Dry-Type Air Cleaner)			
7	175 780 H2	HOOD, rear (I.H. Engines with Oil Bath Air Cleaner)			
7	206 799 H1	HOOD, rear (I.H. Engines with Dry-Type Air Cleaner) (Used on units equipped with I.H. Backhoe)			

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SHEET COWLING — Continued					
11	103 321	WASHER, 3/8" lock (4)	34	HL-3635	LATCH (4) U005178 and up C004953 and up
12	181 360	SCREW, 3/8 x 3/4" NF cap (4)	35	158 186 H2	PANEL ASSY., R.H. (Not used on units equipped with I.H. Backhoe) U005177 and below C004952 and below
13	158 019 H1	COVER	35	875 797 C1	PANEL ASSY., R.H. (Not used on units equipped with I.H. Backhoe) U005178 and up C004953 and up
14	103 321	WASHER, 3/8" lock (2)	35	206 784 H1	PANEL ASSEMBLY., R.H. (Used on units equipped with I.H. Backhoe)
15	181 361	SCREW, 3/8 x 7/8" NF cap (2)	36	121 326	WASHER, 1" lock (4)) Ctwt.
16	166 408 H1	PANEL	37	273 392	SCREW, 1 x 6-1/2" NF cap (4)) Mtg. Use w/ 165 499 H1
17	181 356	SCREW, 3/8 x 5/8" NF cap (2)	38	216 353	NUT, 1" NF hex (4))
18	103 321 106 263	WASHER, lock, plus (2) WASHER, flat (2)	39	175 401 H1	COUNTERWEIGHT (Not used on units equipped with Rear Pusher Plate or Logger Attachment)
19	175 396 H1	PANEL, R.H. (Not used on units equipped with Bucket Leveler Kit)	39	191 511 H1	COUNTERWEIGHT (Used on units equipped with Logger Attachment)
19	196 241 H1	PANEL, R.H. (Used on units equipped with Bucket Leveler Kit)	273 028		SCREW, 3/4 x 6-3/4" NF (*) (4)
20	175 395 H1	PANEL, L.H.	181 930 H1		SLEEVE (*)
21	103 321 106 263	WASHER, 3/8" lock (8) WASHER, 3/8" flat (8)	103 346		WASHER, 3/4" flat (*) (4)
22	181 360	SCREW, 3/8 x 3/4" NF cap (8)	18 558 R1		NUT, 3/4-16" NF Esna (*) (4)
23	158 188 H3	PANEL, center R.H. (Not used on units equipped with I.H. Backhoe)	888 552 C1		PIN, drawbar (Used on units equipped with Logger Attachment)
23	203 560 H1	PANEL, center R.H. (Used on units equipped with I.H. Backhoe)			
24	103 321	WASHER, 3/8" lock (4)			
25	181 360	SCREW, 3/8 x 3/4" NF cap (4)			
26	103 026	NUT, 3/8" NF hex (2)			
27	103 321	WASHER, 3/8" lock (5)			
28	158 185 H3	PANEL			
29	120 622	NUT, 8"-32 hex (4)			
30	121 841	WASHER, No. 8 lock (4)			
31	153 619 H1	BUMPER (4)			
32	132 764	SCREW, machine (4)			
33	368 753 H1	SCREW, drive (12) U005177 and below C004952 and below			
33	121 742	SCREW, slt-rd-hd (8) U005178 and up C004953 and up			
	121 744	WASHER, lock (8)			
	121 743	NUT, hex (8)			
34	153 618 H1	LATCH (4) U005177 and below C004952 and below			

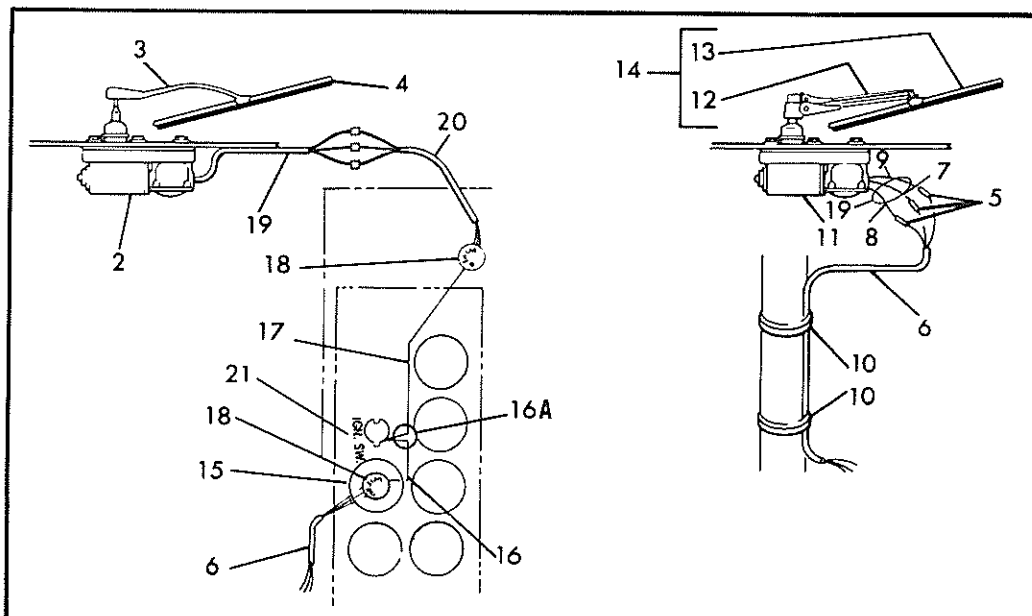
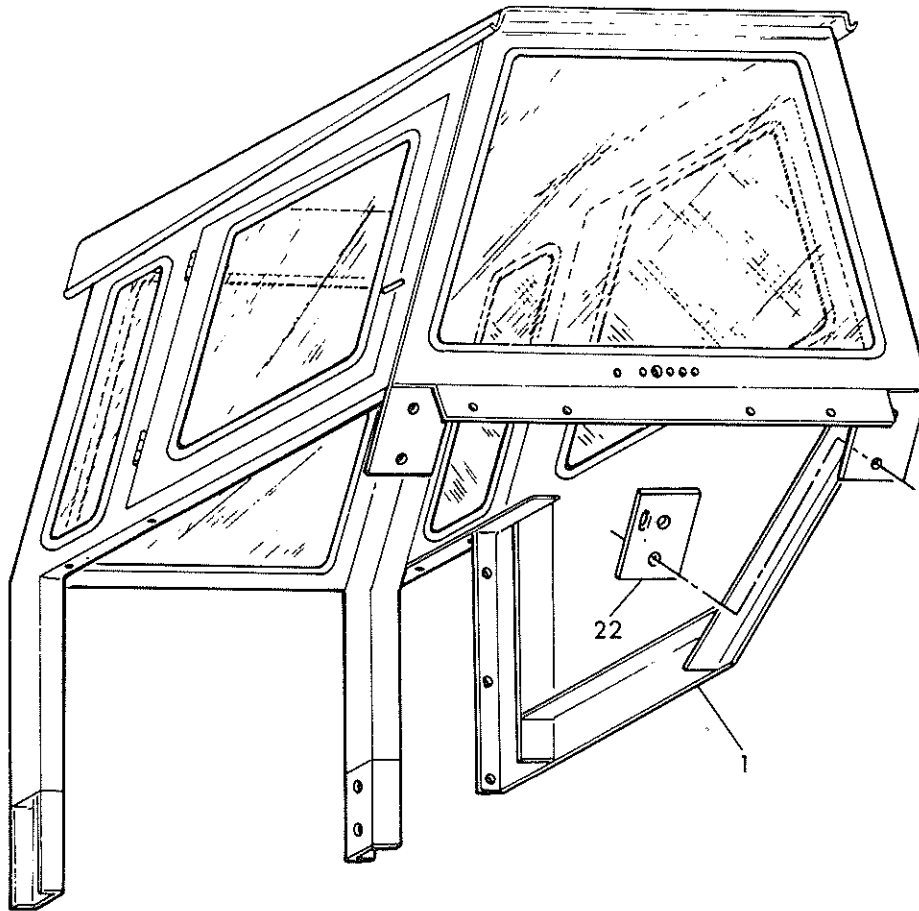
(*) - Ctwt. Mounting. Use w/175 401 H1 and 191 511 H1.

CHASSIS

MEMORANDA

CHASSIS

R.O.P.S. CAB AND RELATED PARTS



CE-104074 B

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
R.O.P.S. CAB AND RELATED PARTS - Continued					
1		CAB ASSEMBLY, roll-over (Refer to R.O.P.S. CAB)	15	183 433 H1	PLUG, button
2		MOTOR and BRACKET ASSY., rear (Refer to "Wiper Motor and Bracket Assembly")	16	139 575 H1	CABLE, ignition switch to front wiper switch (Black) U0* and below C0* and below
	187 184 H1	SPACER	16A	935 844 C1	CABLE, ignition switch to wiper switches U0* and up C0* and up
	181 315	BOLT, 1/4"NF x 1" hex-hd (2)			
	181 317	BOLT, 1/4"NF x 1-1/4" hex-hd			
	103 319	WASHER, 1/4" lock (3)	17	875 456 C1	CABLE, ignition switch to rear wiper switch (Black) U0* and below C0* and below
	103 024	NUT, 1/4"NF hex			
	932 811 C1	SHIM (2)			
3	172 618 H1	ARM ASSY., rear wiper	18	187 905 H1	SWITCH, wiper (2) U0* and below C0* and below
4	172 619 H1	BLADE, rear wiper			
5	113 868 H1	CONNECTOR, front motor to loom (3) S/N U0* and below S/N C0* and below	18	935 793 C91	SWITCH, wiper (2) U0* and up C0* and up
6	183 984 H1	LOOM, connector to front wiper switch U0* and below C0* and below	19		CABLE, loom to wiper switch (Part of Motor and Bracket Assy.) CLIP
6	935 846 C1	LOOM, front wiper to wiper switch U0* and up C0* and up		263 513 R91	
7		WIRE, wiper motor to "P" on wiper switch (Black) (Part of cable on Motor and Bracket Assembly)	20	935 845 C1	LOOM, rear wiper to wiper switch U0* and up C0* and up
8		WIRE, wiper motor to "F" on wiper switch (Green) (Part of cable on Motor and Bracket Assembly)	21		SWITCH, ignition (Refer to "Instrument Panel")
9		WIRE, wiper motor to "A" on wiper switch (Red) (Part of cable on Motor and Bracket Assembly)	22	932 811 C1	SHIM (2)
10	610 213 R91	CLAMP, strap - steering column (2)		928 420 C1	PLATE, serial number
11		MOTOR and BRACKET ASSY., front (Refer to "Wiper Motor and Bracket Assembly")		915 575 H1	STUD (2)
	171 822 H1	SPACER	(*) - Serial Number not yet available.		
	181 315	BOLT, 1/4"NF x 1" hex-hd (3)			
	103 319	WASHER, 1/4" lock (3)			
12	886 254 C1	ARM, pantograph front wiper			
13	924 877 C1	BLADE, front wiper			
14	886 255 C1	KIT, pantograph adapter w/Gaskets - front wiper			

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
R.O.P.S. CAB					
	930 281 C92	CAB ASSEMBLY (Consists of the following parts)		24 876 R1	BOLT, 5/8" NC x 2-1/4" hex-hd (4)
1	938 887 C1	CAB	9 412 231	NUT, 5/8" NC hex (4)	
	24 887 R1	BOLT, 3/4" NC x 1-3/4" hex-hd (4)	24 840 R1	BOLT, 3/8" NC x 1" hex-hd (2)	
	103 326	WASHER, 3/4" lock (4)	24 841 R1	Bolt, 3/8" NC x 1-1/2" hex-hd (4)	
	24 483 R1	BOLT, 1/4" NC x 1" hex-hd (3)	103 341	WASHER, 3/8" flat (6)	
	103 319	WASHER, 1/4" lock (3)	103 321	WASHER, 3/8" lock (6)	
	103 339	WASHER, 1/4" flat (3)	25 522 R1	NUT, 3/8" NC hex (6)	
	25 519 R1	NUT, 1/4" NC hex (3)	25 547 R1	WASHER, 5/8" hardened (8)	
	24 862 R1	BOLT, 1/2" NC x 1-1/2" hex-hd (2)	2	939 253 C1	GLASS, windshield
	103 343	WASHER, 1/2" flat (2)	3	939 233 C1	GASKET, windshield
	103 329	WASHER, 1/2" lock (2)	4	939 231 C1	GASKET, rear window
	25 526 R1	NUT, 1/2" NC hex (2)	5	938 888 C1	GLASS (2)
	24 873 R1	BOLT, 5/8" NC x 1-1/2" hex-hd (2)	6	939 236 C1	GASKET, window (2)
	103 325	WASHER, 5/8" lock (2)	7	939 207 C1	HANDLE (2)
	106 267	WASHER, 5/8" flat (2)			

CHASSIS

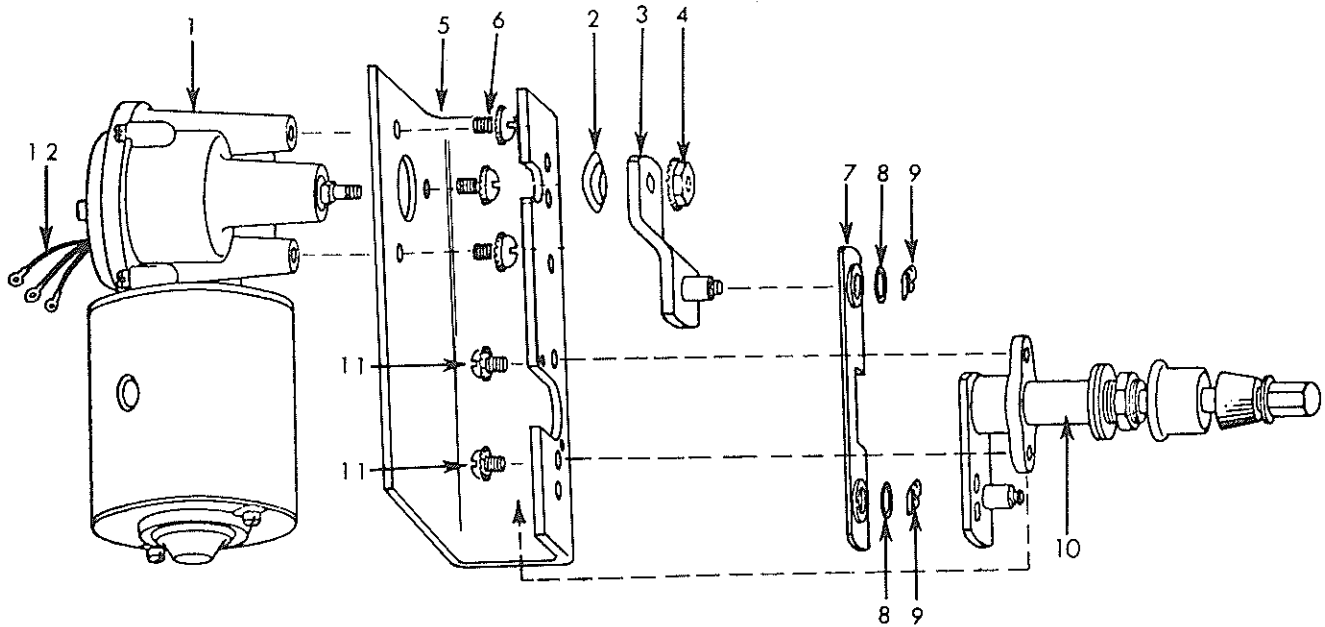
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
R.O.P.S. CAB - Continued					
8	939 516 C1	DOOR, right	32	940 457 C91	JET, washer
9	939 217 C1 180 020 109 084 120 380	LATCH, inside BOLT (4) NUT (4) WASHER (4)	33	929 417 C1	CLIP (3)
10	939 251 C1	GLASS, side panel (2)	34		HOSE (Cut length 108" long from bulk HOSE, 940 454 C1)
11	939 234 C1	GASKET, window (2)	35	940 458 C1 25 483 R1 25 532 R1	PUMP, foot BOLT (2) WASHER (2)
12	939 218 C1 436 574 120 361	RUBBER, door bumper (2) SCREW (2) NUT (2)			ARM, pantograph front wiper (%) BLADE, front wiper (%)
13	939 252 C1	GLASS, rear window	940 569 C1 25 222 R1 120 380 25 519 R1	COVER, rear wiper holes BOLT, (2) WASHER, lock (2) NUT (2)	
14	939 235 C1	GASKET, rear window	629 402 C2	DECAL, operator safety	
15	939 230 C1	STRIP, weather	70 571 C1	DECAL, R.O.P.S. caution	
16	938 890 C1 180 020 26 110 R1	WINDOW, rear BOLT (2) NUT (2)	940 657 C91	KIT, mounting bracket (Consist of- 4 PIN, cotter 2 PIN 1 SUPPORT 2 SUPPORT	103 387 938 867 C1 938 864 C1 938 889 C1)
17	939 214 C1 25 544 R1	KNOB, window hold out (2) WASHER, flat (2)	930 262 C1 930 261 C1	MAT, floor (2) MAT, seat	
18	939 515 C1	DOOR, left		MOTOR and BRACKET ASSY., front (Refer to "WIPER MOTOR and BRACKET ASSEMBLY")	
19	939 219 C1 180 020 109 084 120 380	LATCH, left hand (2) BOLT (8) NUT (8) WASHER, lock (8)	668 766 C1 23 738 R1	PLATE, R.O.P.S. serial number RIVET (4)	
20	939 232 C1	STRIP, weather	938 878 C1 938 668 C1	SHEET, insulator left door SHEET, insulator middle top	
21	938 866 C1 25 222 R1 26 110 R1	SUPPORT (2) BOLT (2) NUT (2)	938 670 C1 938 877 C1 938 879 C1 938 880 C1 939 659 C1 939 660 C1 939 671 C1 938 672 C1 938 871 C1 938 872 C1 938 873 C1 938 874 C1 938 876 C1	STRIP, insulator rear top STRIP, insulator below rear window STRIP, insulator rear window STRIP, insulator front top STRIP, insulator door header left STRIP, insulator door header right STRIP, rubber-front left door STRIP, rubber-front STRIP, rubber-door striker STRIP, rubber-rear STRIP, rubber-bottom left door STRIP, rubber-left door STRIP, rubber-right side	
22	935 268 C1	SPRING (2)			
23	939 229 C1	STRIP, weather			
24	938 869 C1	DOOR, lower			
25	938 867 C1 103 387	PIN, rear mounting (2) PIN, cotter (4)			
26	938 889 C1	SUPPORT (2)			
27	938 864 C1	SUPPORT, door striker filler			
28	940 459 C91	TANK, windshield washer			
29	940 456 C1 25 483 R1 25 532 R1	SUPPORT BOLT (2) WASHER (2)			
30	940 363 C1	ANGLE			
31		HOSE (Cut length 72" long from bulk HOSE, 940 455 C1)			

(%) - Refer to R.O.P.S. CAB and Related Parts.

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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WIPER MOTOR AND BRACKET ASSEMBLY



CE-108014

172 617 H2	WIPER MOTOR and BRACKET ASSEMBLY (2) (Order the following - CABLE 935 844 C1 LOOM 935 846 C1 SWITCH 935 793 C91 MOTOR & BRACKET ASSY. 1 109 541 C91)	4	NUT (Not furnished separately)
1 109 541 C91	WIPER MOTOR and BRACKET ASSEMBLY (Replaces, 935 859 R91) (2) (Consists of the following parts -	5	923 480 C1 BRACKET, mounting
1	MOTOR ASSEMBLY (Not furnished separately)	6	923 479 C1 SCREW w/LOCKWASHER (3)
2	WASHER, spring (Not furnished separately)	7	260 514 C91 LINK, connecting
3	924 968 C1 ARM, crank	8	148 074 R1 WASHER (2)
		9	937 547 C1 CLIP, link to crank and pivot (2)
		10	923 478 C1 SHAFT ASSEMBLY (Replaces 937 548 C1)
		11	923 481 C1 SCREW w/LOCKWASHER (2)
		12	CABLE (Not furnished separately)

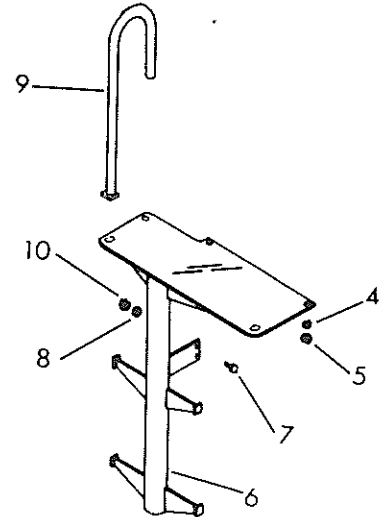
CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FLOORBOARD AND LADDER



CE-89272D

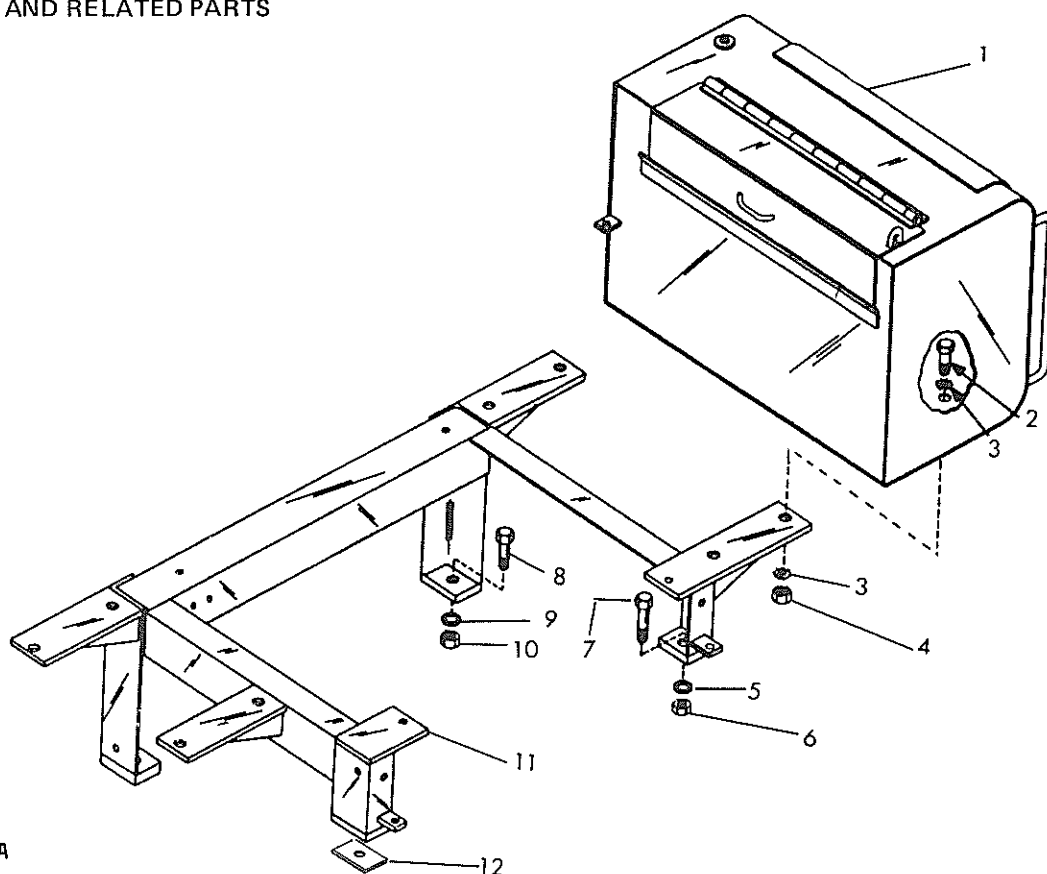


1	177 805 H1	FLOORBOARD, front 001201 thru 002081	4	103 321 106 263	WASHER, 3/8" lock (2) WASHER, 3/8" flat (2)
1	187 570 H2	FLOORBOARD, front 002082 and up	5	103 026	NUT, 3/8"NF hex (2)
	179 880	BOLT, 1/2"NC x 7/8" (3)	6	201 607 H1	LADDER 02084 thru 03741
	179 839	BOLT, 3/8"NC x 1" (2)	6	881 873 C1	LADDER 03742 and up
	103 321	WASHER, 3/8" lock (2)	7	181 433	SCREW, 1/2"NF x 1-3/4" cap (2)
	106 263	WASHER, 3/8" flat (2)	8	103 323	WASHER, 1/2" lock (2)
	455 357	BOLT, 3/8"-24 x 1" (2)	9	201 608 H1	RAIL, ladder
	103 026	NUT, 3/8"NF hex (2)		271 581	BOLT, 5/8"NF x 1-1/4"
	103 321	WASHER, 3/8" lock (2)		103 325	WASHER, 5/8" lock (Used on units equipped with ROPS cab)
	936 977 C1	ROD, threaded) Accelerator		25 537 R1	WASHER, flat hardened (Used on units not equipped with ROPS cab)
	25 520 R1	NUT (2)) Stop	10	103 028	NUT, 1/2"NF hex (2)
	25 543 R1	WASHER (2)		158 170 H1	GROMMET (2)
	930 273 C1	MAT, floor front			
2	162 404 H1	STRIP w/three NUT, 141 566 H1 and NUT, 136 804 H1			
	141 566 H1	NUT, plug (3)			
	136 804 H1	NUT, plug			
3	158 221 H1	FLOORBOARD, rear			
	179 838	BOLT, 3/8"NC x 7/8" (3)			
	103 321	WASHER, 3/8" lock (3)			
	106 263	WASHER, 3/8" flat (3)			
	181 364	BOLT, 3/8"NF x 1" (2)			
	103 321	WASHER, 3/8" lock (2)			
	106 263	WASHER, 3/8" flat (2)			

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BATTERY BOX AND RELATED PARTS



CE-89273A

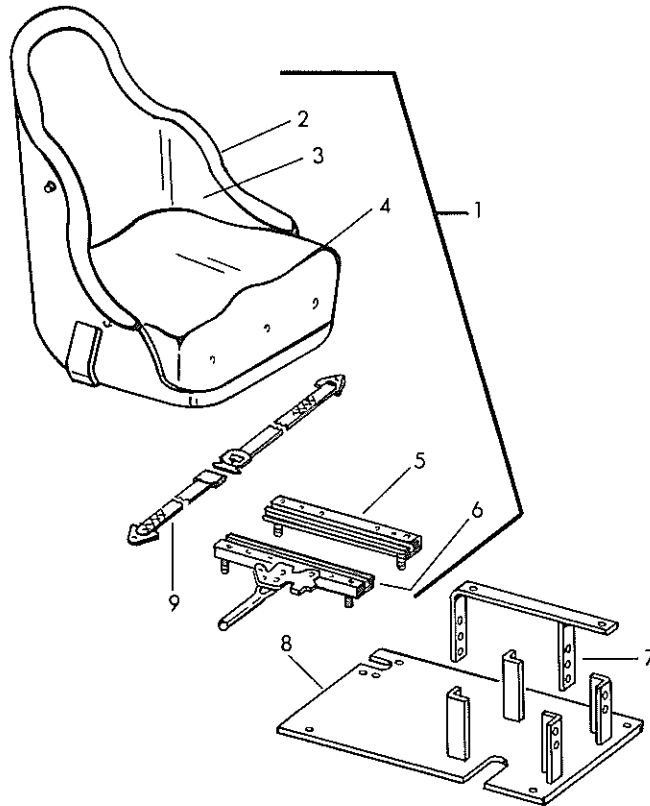
1	189 246 H6	BOX, battery (I.H. Engine) (For units equipped with ROPS cab)	9	103 325	WASHER, 5/8" lock (2)
1	935 956 C1	BOX, battery (I.H. Engine) (For units not equipped with ROPS cab)	10	103 030	NUT, 5/8"NF (2)
1	185 187 H2	BOX, battery (Detroit Diesel 3-53 only)	11	158 198 H1	SUPPORT
2	271 583	SCREW, 5/8 x 1-1/2"NF cap (4)	12	931 085 C1	BAR (x)
3	103 325	WASHER, 5/8" lock (2)		154 049 H1	GROMMET
4	103 030	NUT, 5/8"NF hex (4)		184 628 H1	GROMMET, cable
	106 267	WASHER, 5/8" flat (4)		153 619 H1	BUMPER
5	103 325	WASHER, 5/8" lock (2)		132 768	SCREW, No. 8 NC x 3/4" slt-rd-hd
6	103 030	NUT, 5/8"NF (2)		121 841	WASHER, No. 8 lock
7	271 587	SCREW, 5/8 x 2"NF cap (2)		120 622	NUT, No. 8 NC hex
8	271 588	SCREW, 5/8 x 2-1/4"NF cap (2)			

(x) - As Required.

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SEAT, SAFETY BELT AND MOUNTING (For units equipped with Backhoe refer to "Backhoe Kit")



1	702 760 C92	SEAT ASSY.	8	158 214 H 1	DECK, seat
	25 955 R1	BOLT, hex-hd (11)			U001235 and below
	25 543 R1	WASHER, flat (11)			C0* and below
	25 955 R1	WASHER, lock (13)			(Order the following parts -
	25 520 R1	NUT, hex (6)			8 BOLT 181 340
2		SHELL (Not furnished separately)			1 DECK 186 016 H1
3	619 780 C2	CUSHION, backrest			8 NUT 103 025
4	619 779 C1	CUSHION, seat			1 SUPPORT 186 015 H1
5	56 619 C1	ADJUSTER, LH			8 WASHER 103 320)
6	631 120 C1	ADJUSTER, RH	8	186 016 H1	DECK, seat
7	180 400 H1	SUPPORT, seat (2)			U001236 and up
		U001235 and below			C00* and up
		C0* and below			181 360 BOLT, hex-hd (4)
	181 365	BOLT, hex-hd (4)			103 321 WASHER, lock (4)
	103 321	WASHER, lock (4)	9	931 059 C1	BELT, seat safety
	103 026	NUT, hex (4)		24 861 R1	BOLT, hex-hd (2)
				103 329	WASHER, lock (2)
				25 526 R1	NUT, hex (2)
7	186 015 H1	SUPPORT, seat (2)		930 261 C1	MAT, seat deck
		U001236 and up			
		C0* and up			
	181 340	BOLT, hex-hd (8)			
	103 320	WASHER, lock (8)			
	103 025	NUT, hex (8)			

(*) - Serial Number not available.



SECTION 2

ENGINE

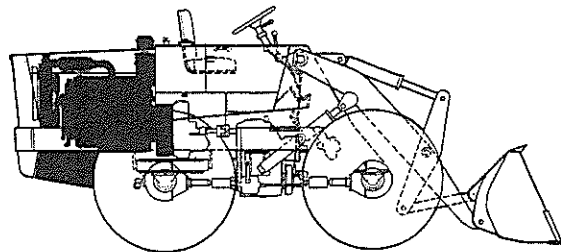
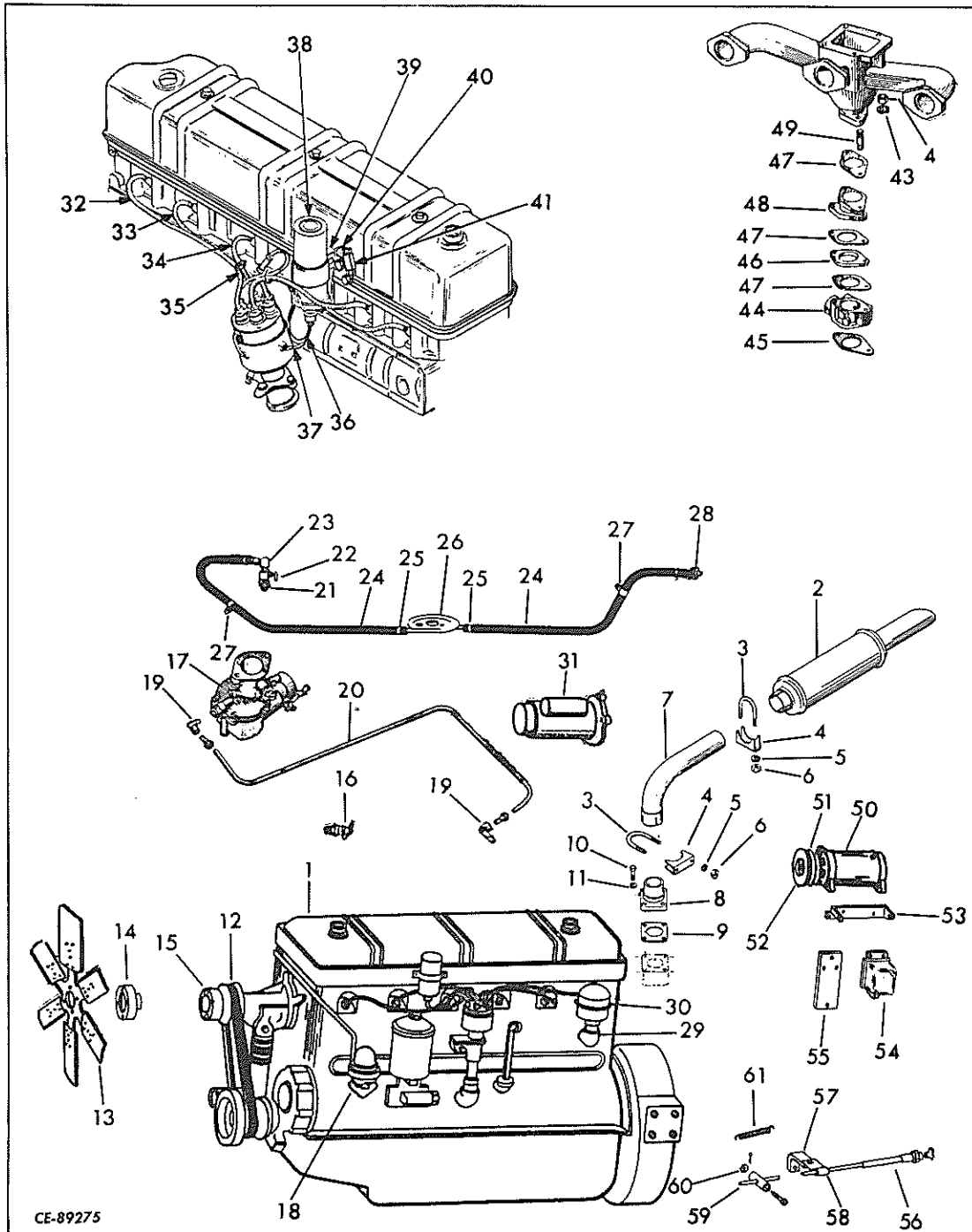


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ENGINE

ENGINE AND MOUNTING (U-240)



ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE AND MOUNTING -- Continued (U-240)					
1		ENGINE, U-240 (For components, see the U-240 Engine Manual) (Used on machines of S/N 1701 thru 2083)	20	155 833 H2 129 668 H1 420 634 119 928	TUBE, fuel pump to carburetor BOLT, fuel pipe to water pump SCREW, fuel tube bracket BUSHING, reducer, 3/8 x 1/4"
2	144 037 H1 103 949 H1	MUFFLER CLAMP ASSEMBLY (Includes items 3 thru 6) (2)	22	132 666 H1	COCK, shut-off
3		BOLT, "U" (Order 103 949 H1)	23	126 989 H1	ADAPTER, 90°
4		SADDLE (Order 103 949 H1)	24	134 181 H1	HOSE (2)
5		WASHER, lock (Order 103 949 H1) (2)	25	279 025 R91	CLAMP (2)
6		NUT (Order 103 949 H1) (2)	26	155 573 H4	EXCHANGER, heat
7	157 374 H1	ELBOW	27	102 818 H1 179 837 103 321	CLAMP (2) SCREW, 3/8 x 3/4" NC cap (Clamp Attaching) (2) WASHER, 3/8" lock (Clamp Attaching) (2)
8	157 376 H1	FLANGE, exhaust	28	144 046	BUSHING, reducer
9	157 377 H1	GASKET	29	165 902 H1 155 848 H1 179 793 103 319	PIPE, oil filler GASKET, pipe SCREW, 1/4 x 5/8" NC cap (Pipe mounting) (2) WASHER, 1/4" lock (Pipe mounting) (2)
10	186 284	SCREW, 3/8 x 3-3/4" NC cap (Flange to mounting) (4)	30	165 903 H1 444 588	CAP, breather PLUG, pipe, cover cylinder head, 1/2"
11	103 321	WASHER, 3/8" lock (Flange to mounting) (4)	31	179 882 103 323	STARTER (See Engine Manual) SCREW, 1/2 x 1-1/8" NC cap (2) WASHER, 1/2" lock (2)
12	155 836 H1	BELT, fan	32	155 841 H1	CABLE, spark plug (1 and 6) (2)
13	268 098 R91	FAN, blower	33	155 842 H1	CABLE, spark plug (2 and 5) (2)
14	175 877 H1 181 321 103 319	SPACER, fan SCREW, 1/4 x 1-3/4" NF cap (4) WASHER, 1/4" lock (4)	34	155 843 H1	CABLE, spark plug (3 and 4) (2)
15	155 837 H2	PULLEY	35	148 003 H1	RING, cable (2)
16	112 002 H1	VALVE, drain	36	148 002 H1	CABLE, distributor to coil
17	147 976 H1 114 494 103 321	CARBURETOR (See Engine Manual) STUD, plain (Carburetor Mounting) (2) NUT, 5/8" NF jam (Carburetor Mounting) (2) WASHER, 3/8" lock (Carburetor Mounting) (2)	37	HA-1000	CABLE, coil to distributor
18	179 820 103 320 612 293 C1 155 835 H1	FUEL PUMP ASSEMBLY (See Engine Manual) SCREW, 5/16 x 1-1/4" NC cap (Fuel pump mounting) (2) WASHER, 5/16" lock (Fuel pump mounting) (2) GASKET (Fuel pump mounting) GASKET (Used with Front or Rear Wheel Drive Only)	38	155 845 H1	COIL, ignition
			39		BRACKET, coil mounting
			40	HA-1000	CABLE, coil to resistor
			41	967 545 R91 179 814 103 320 615 031 R1	RESISTOR SCREW, 5/16 x 5/8" NC cap (2) WASHER, 5/16" lock (2) WASHER, 5/16" flat (2)
19	140 570 H1	ELBOW (2)	42	103 026	NUT, 3/8" NF hex
			43	103 321	WASHER, 3/8" lock

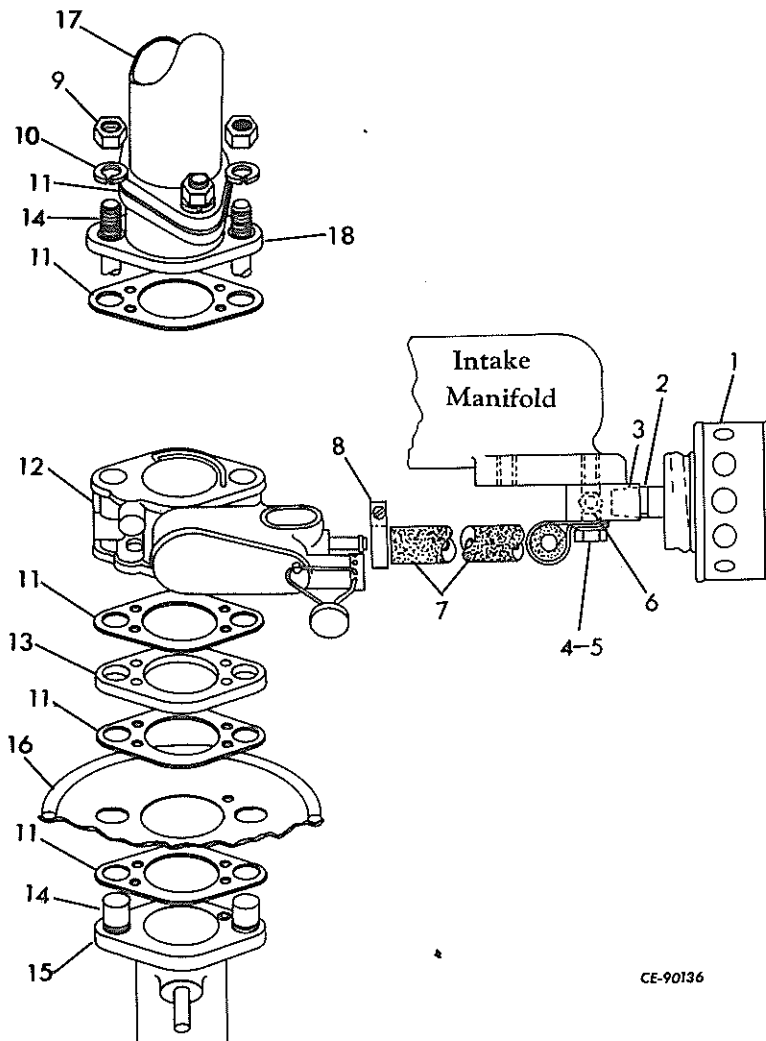
ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE AND MOUNTING — Continued (U-240)			56	215 920 H1	CABLE, choke
44		GOVERNOR (Order GOVERNOR REPLACEMENT KIT, 190 162 H1) (Refer to "Governor Replacement Kit" in this section)	57	183 989 H1	ANGLE, support
	147 996 H1	SEAL, governor	58	140 577	CLAMP
45	186 112 H1	GASKET	59	172 842 H1	FITTING, connector
46	155 829 H1	INSULATOR	60	106 261	WASHER, 1/4"
47	155 828 H1	GASKET (3)		181 360	SCREW, 3/8 x 3/4" NF cap (Clamp to angle support)
48	155 830 H1	ADAPTER		103 026	NUT, 3/8" NF hex (2)
49	41 634 D	STUD (2)		103 321	WASHER, 3/8" lock (2)
50		GENERATOR (See Engine Manual)	61	106 475 H1	SPRING, choke return
51	175 272 H1	FAN, generator (Used with 4 Wheel Drive Only)		174 251 H1	CLAMP, choke cable to exhaust manifold
51	112 681 H1	FAN, generator (Used with Front or Rear Wheel Drive only)			
52	155 852 H1	PULLEY, generator			
53	165 910 H1	BRACKET, generator (Used with Front or Rear Wheel Drive only)			
53	165 919 H1	BRACKET, generator (Used with 4-Wheel Drive only)			
	181 341	SCREW, 5/16 x 1-1/4" NF cap (Generator to bracket) (2)			
	103 025	NUT, 5/16" NF hex (Generator to bracket) (2)			
	103 320	WASHER, 5/16" lock (Generator to bracket) (2)			
	179 858	SCREW, 7/16 x 1" NC cap (Bracket to engine) (2)			
	103 322	WASHER, 7/16" lock (Bracket to engine) (2)			
	179 817	SCREW, 5/16 x 7/8" NC cap (Generator to adjusting strap)			
	103 320	WASHER, 5/16" lock (Generator to adjusting strap)			
	103 340	WASHER, 5/16" flat (Generator to adjusting strap)			
54		REGULATOR, voltage (See Engine Manual)			
55	164 725 H1	PLATE, voltage regulator mounting			
	181 314	SCREW, 1/4 x 7/8" NF cap (Regulator to mounting plate) (3)			
	103 024	NUT, 1/4" NF hex (Regulator to mounting plate) (3)			
	103 319	WASHER, 1/4" lock (Regulator to mounting plate) (3)			
	181 433	SCREW, 1/2 x 1-3/4" NF cap (Front engine mounting) (2)			
	106 265	WASHER, 1/2" flat (Front engine mounting) (2)			
	18 452 R1	NUT, 1/2"-20 NF stop (2)			

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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GOVERNOR REPLACEMENT KIT

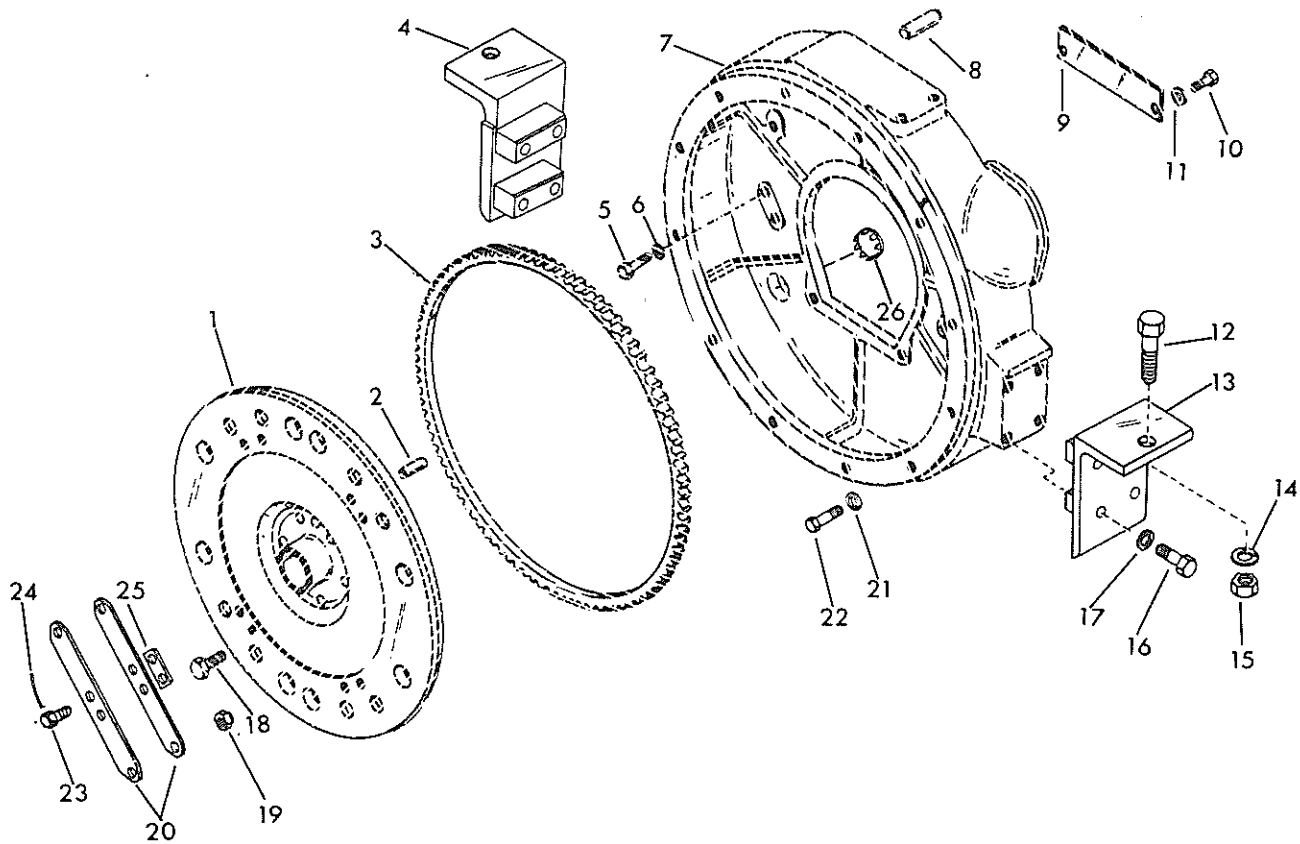


	190 162 H1	KIT, governor replacement (Includes items 1 thru 14)	11	155 828 H1	GASKET (5)
1	189 951 H1	AIR FILTER	12	189 955 H1	GOVERNOR
2	189 952 H1	ADAPTER	13	189 983 H1	SPACER, governor
3	190 042 H1	BLOCK, filter mounting	14	151 168 H1	STUD, carburetor stud (2)
4	179 845	SCREW, cap	15		CARBURETOR (See Engine Manual)
5	103 321	WASHER, lock	16		EXCHANGER, heat (See "Engine and Mounting - U-240" in this section)
6	169 627 H1	NIPPLE	17		MANIFOLD, intake (See Engine Manual)
7	182 062 H1	HOSE, governor to filter	18		ADAPTER (See "Engine and Mounting - U-240" in this section)
8	279 025 R91	CLAMP, governor to filter (2)			
9	103 026	NUT (2)			
10	103 321	WASHER, lock, carburetor stud (2)			

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FLYWHEEL AND HOUSING MOUNTING



CE-89276

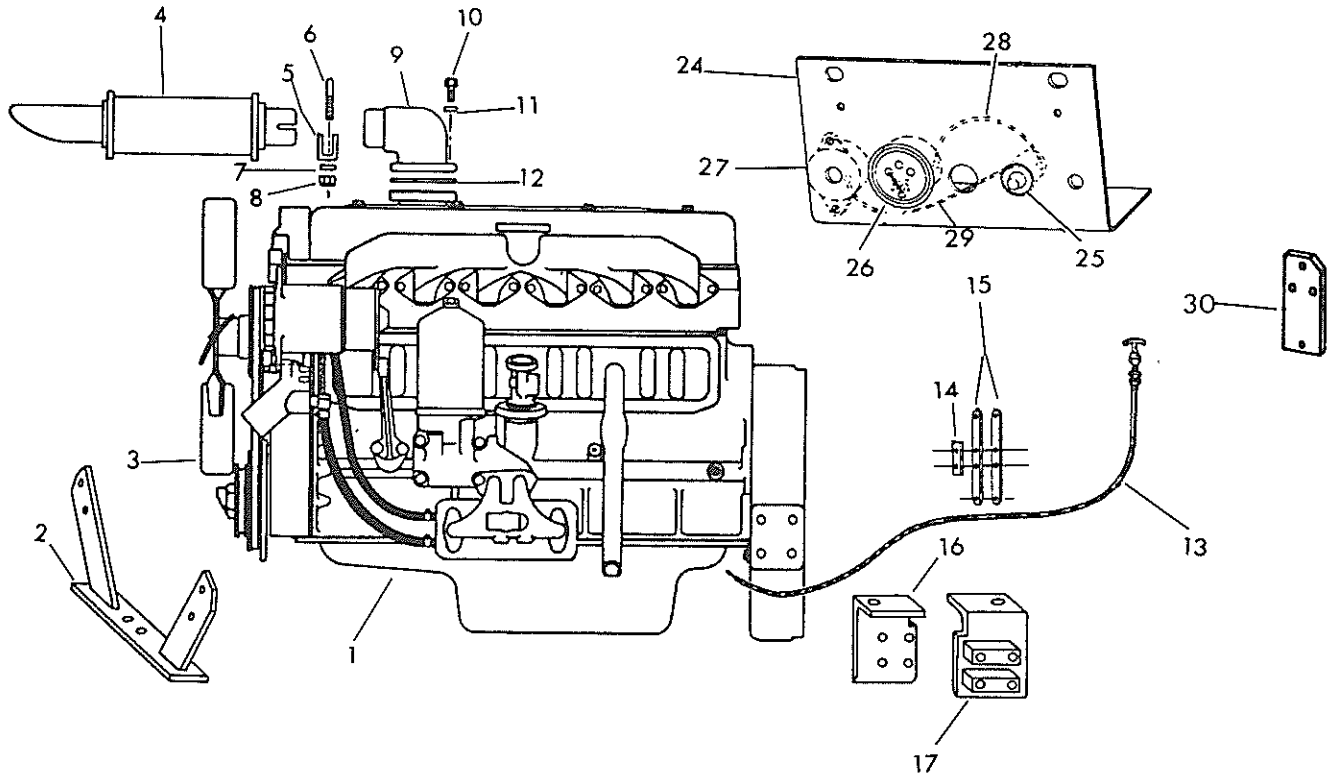
1	FLYWHEEL (*)	15	18 453 R1	NUT, 5/8"-18NF stop (2)
2	PIN (*) (2)	16	231 608 R1	SCREW, cap, self-locking bolts (8)
3	GEAR, spur (*)	18		SCREW, cap (*) (6)
4	157 220 H1 BRACKET, LH	19	130 823 H1	NUT, self-locking (8)
5	SCREW, cap (*) (6)	20	132 850 H1	PLATE, mending (8)
6	WASHER, lock (*) (6)	21	103 321	WASHER, 3/8" lock (Bellhousing to converter housing) (12)
7	HOUSING, flywheel (*)	22	179 840	SCREW, 3/8 x 1-1/8"NC cap (Bellhousing to converter housing) (12)
8	PIN (*) (2)	23	153 230 H1	SCREW, cap (8)
9	SEAL, dust (*)	24	876 006 C1	WIRE, 18 x 8" lock (4)
10	BOLT (*) (2)	25	129 988 H1	SHIM (4)
11	WASHER, flat (*) (2)	26	142 095	PLUG, bellhousing
12	271 588 SCREW, 5/8 x 2-1/4"NF cap (2)			
13	157 219 H1 BRACKET, RH			
14	106 267 WASHER, 5/8" flat (2)			

(*) - See Engine Manual for parts marked with asterisk.

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE AND MOUNTING (D-236)



CE-89277 A

1		ENGINE, I.H.C. D-236 (For components, see the EPC-236 & 282 Engine Manual)	8		NUT (Order 103 949 H1) (2)
2	166 567 H1 24 888 R1	BRACKET, mounting - front SCREW, 3/4" NC x 2" (Bracket to frame) (2)	9	161 480 H1	ELBOW
	106 268	WASHER, 3/4" flat (Bracket to frame) (2)	10	24 840 R1	BOLT (2)
	25 529 R1	NUT, 3/4" NC (Bracket to frame) (2)	11	25 534 R1	WASHER (2)
	25 510 R1	SCREW, 5/8" NC x 3-3/4" (Bracket to engine) (4)	12	369 282 R2	GASKET
	25 528 R1	NUT, 5/8" (Bracket to engine) (4)	13	161 915 H1	CABLE, flexible
	25 537 R1	WASHER, 5/8" lock (Bracket to engine) (4)	14		SPACER (Refer to "Flywheel and Housing Mounting") (4)
3	155 900 H1	FAN, blower (Standard)	15		STRAP, drive (Refer to "Flywheel and Housing Mounting") SCREW, cap - special (Strap to flywheel) (8)
3	158 578 H1	FAN, suction (Optional)			WIRE, lock (4)
4	144 037 H2 103 949 H1	MUFFLER CLAMP ASSEMBLY (Includes items 5 thru 8)			NUT (Converter to straps) (8)
5		SADDLE (Order 103 949 H1)	16	157 219 H1	BRACKET, Rear, RH
6		"U" BOLT (Order 103 949 H1)			
7		WASHER, lock (Order 103 949 H1) (2)			

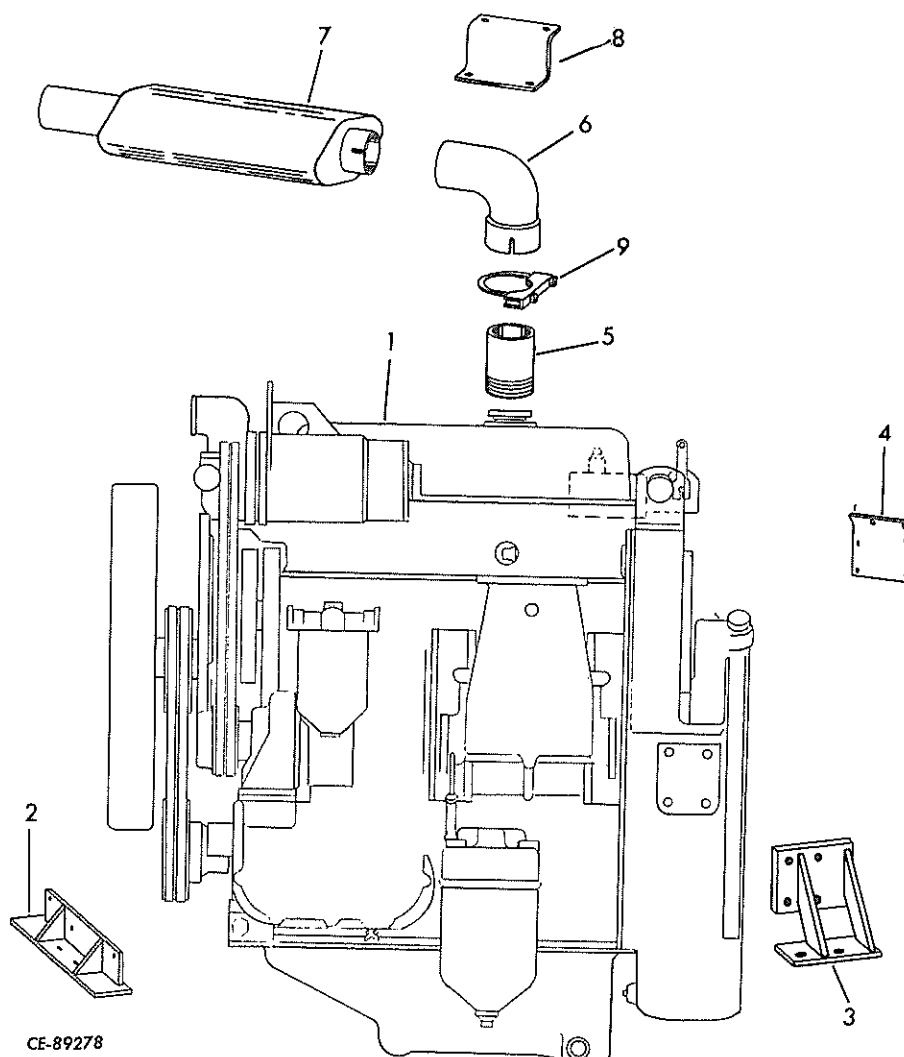
ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE AND MOUNTING — Continued (D-236)					
17	157 220 H1 231 608 R1	BRACKET, Rear, LH BOLT (Bracket to flywheel housing) (8) WASHER, lock (Bracket to flywheel housing) (8)			
	271 588	SCREW, 5/8 x 2-1/4" NF cap (Bracket to frame) (2)			
	18 458 R1	NUT, 5/8" - 18NF stop (Bracket to frame) (2)			
	142 095	PLUG, bellhousing			
24	187 176 H1 24 839 R1 25 522 R1 25 534 R1	BRACKET BOLT (4) NUT (4) WASHER (4)			
25	453 453 C1	SWITCH, P.B. glow plug			
26	154 783 H1	METER, glow plug 1201 thru 1634			
26	702 282 C1	METER, glow plug 1635 and up			
27	177 164 H1 132 915 120 217 102 614	CIRCUIT BREAKER SCREW, machine (Circuit breaker to bracket) WASHER, No. 10 Lock (Circuit breaker to bracket) (2) NUT, 10-32 hex (Circuit breaker to bracket) (2)			
28	139 483 H1	WIRE, switch to glow plug meter			
29	180 868 H1 432 327	WIRE, switch to circuit breaker PLUG BUTTON			
30	164 725 H1 181 314 103 024 103 319 181 314 103 024 103 319	PLATE, voltage regulator mounting SCREW, 1/4 x 7/8" NF cap (Regulator Mounting) (3) NUT, 1/4" NF hex (Regulator mounting) (3) WASHER, 1/4" lock (Regulator mounting) (3) SCREW, 1/4 x 7/8" NF cap (Plate to angle) (2) NUT, 1/4" NF hex (Plate to angle) (2) WASHER, 1/4" lock (Plate to angle) (2)			

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE AND MOUNTING (Detroit Diesel 3-53)



CE-89278

1	184 577 H1	ENGINE, Detroit Diesel 3-53 (See Detroit Diesel Engine Dealer)	3	185 027 H1 279 991 R1	MOUNT, engine housing end (2) BOLT, bracket to flywheel housing (8)
2	185 023 H1 179 862	MOUNT, engine front SCREW, 7/16 x 1-1/2"NC cap (Front engine mount to engine) (2)		271 588	SCREW, 5/8 x 2-1/4"NF cap (Mounts to frame) (4)
	103 322	WASHER, 7/16" lock (Front engine mount to engine) (2)		106 267	WASHER, 5/8" flat (Mounts to frame) (4)
	186 285	SCREW, 3/8 x 4"NC cap (Front engine mount to engine) (2)		18 453 R1	NUT, 5/8"-18NF (Mounts to frame) (4)
	103 321	WASHER, 3/8" lock (Front engine mount to engine) (2)	4	187 614 H1 179 837	BRACKET, voltage regulator SCREW, 3/8 x 3/4"NC cap (Bracket to engine) (2)
	271 634	SCREW, 3/4 x 2"NF cap (Engine mount to frame) (2)		103 321	WASHER, 3/8" lock (Bracket to engine) (2)
	18 558 R1	NUT, 3/4"-16NF (Engine mount to frame) (2)		181 318	SCREW, 1/4 x 1-3/8"NF cap (Regulator to bracket) (4)
				103 319	WASHER, 1/4" lock (Regulator to bracket) (4)
				103 024	NUT, 1/4"NC hex (Regulator to bracket) (4)

ENGINE

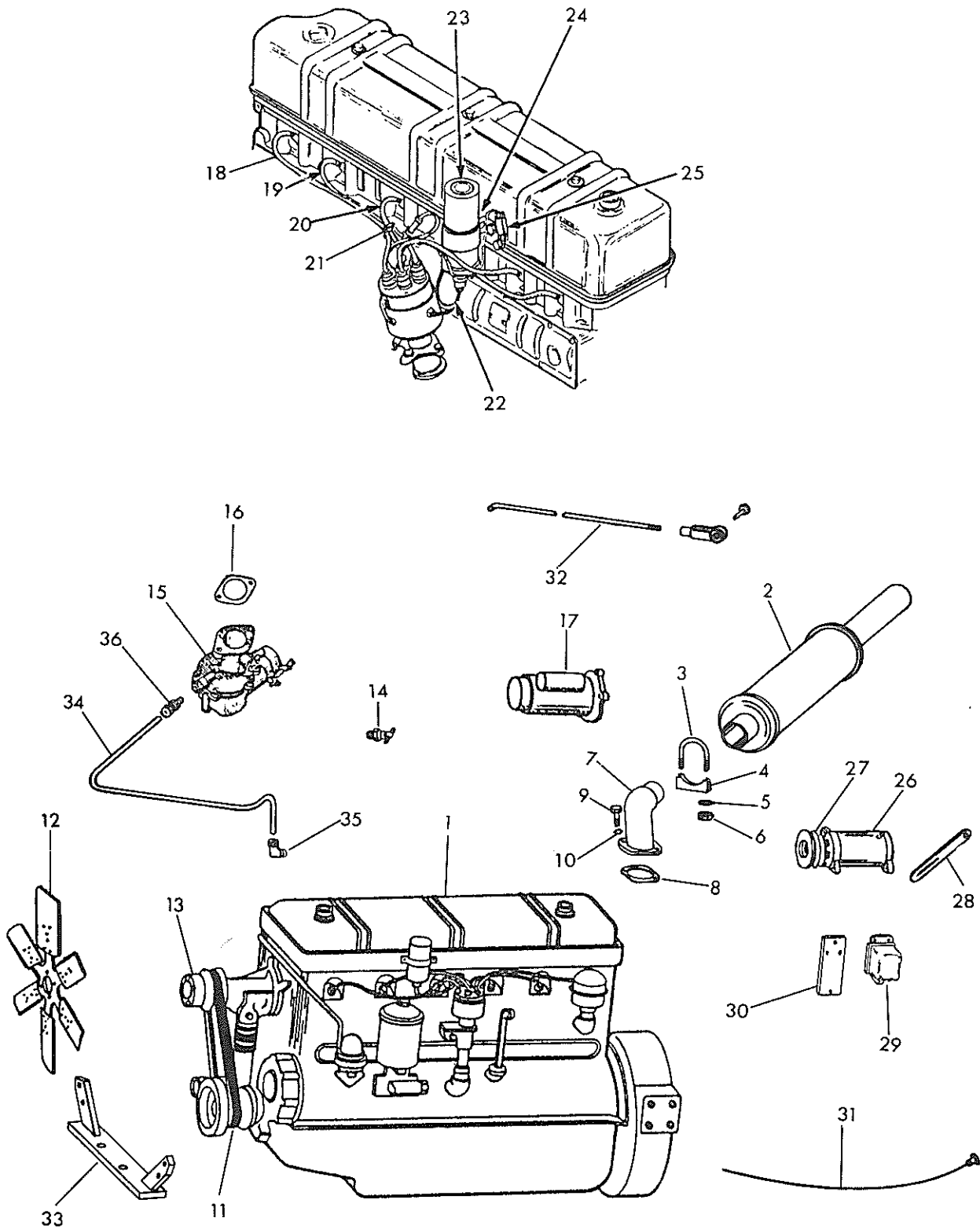
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE AND MOUNTING — Continued (Detroit Diesel 3-53)					
5	150 346 H1	PIPE, exhaust			
6	178 937 H1	ELBOW			
7	176 217 H2	MUFFLER			
8	184 972 H1	BRACKET, support			
9	127 487 H1	CLAMP (2)			
	181 360	SCREW, 3/8 x 3/4" NF cap (Bracket to hood) (2)			
	103 026	NUT, 3/8" NF hex (Bracket to hood) (2)			
	103 321	WASHER, 3/8" lock (Bracket to hood) (2)			
	444 600	PLUG, pipe			
	161 915 H1	CABLE, engine shutdown			
	187 598 H1	FITTING, connector			
	192 868 H1	BUSHING			
	140 577	CLAMP, 1/4" cable			
	185 039 H1	CABLE, emergency shutdown			
	180 533 H1	PLATE, emergency shutdown cable			
	222 334	SCREW, No. 8-32 x 1/4" set			
	110 730	WASHER, 3/8" lock			
	114 494	NUT, 3/8" NF hex			

ENGINE

MEMORANDA

ENGINE

ENGINE AND MOUNTING (G-263)



CE-89279

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE AND MOUNTING — Continued (G-263)					
1		ENGINE, G-263 (For components, see the EPC-263 Engine Manual)	21	148 003 H1	RING, cable (2)
2	191 749 H2 103 949 H1	MUFFLER CLAMP ASSEMBLY (Includes items 3 thru 6) (2)	22	188 989 H2	CABLE, distributor to coil
3		BOLT, "U" (Quantity for 1 Clamp)	23		COIL, ignition (See Engine Manual)
4		SADDLE (Quantity for 1 Clamp)	24		BRACKET, coil mounting (See Engine Manual)
5		WASHER, lock (Quantity for 1 Clamp) (2)		179 812	SCREW, 5/16 x 1/2"NC cap (Coil to bracket)
6		NUT (Quantity for 1 Clamp) (2)		179 814	SCREW, 5/16 x 5/8"NC cap (Coil to bracket)
7	189 165 H1	ELBOW		103 320	WASHER, 5/16" lock (Coil to bracket) (2)
8	369 282 R2	GASKET, exhaust pipe flange		615 031 R1	WASHER, 5/16" flat (Coil to bracket) (2)
9	24 840 R1	BOLT (Elbow mounting) (2)	25	1 957 154	RESISTOR
10	25 534 R1	WASHER, (Elbow mounting) (2)	26		GENERATOR (See "Generator" in Section 12)
11	188 839 H1	BELT, fan and generator	27		PULLY and FAN, generator (See "Generator, Voltage Regulator, Belt and Connections" in Section 12)
11	192 806 H1	BELT, fan and alternator	28		STRAP, generator adjusting (SEE "Generator, Voltage Regulator, Belt and Connections" in Section 12)
12	306 355 R91	FAN, blower (Standard)	29		REGULATOR, voltage (See "Voltage Regulator" in Section 12)
12	158 578 H1	FAN, suction kit (Optional)	30	164 725 H1 181 314 103 024 103 319	PLATE, regulator mounting SCREW, 1/4 x 7/8"NF cap (3) NUT, 1/4"NF hex (3) WASHER, 1/4" lock (3)
13	304 575 R1 19 918 R1 103 319	SPACER, fan SCREW, cap (Fan attaching) (4) WASHER, 1/4" lock (Fan attaching) (4)	31	215 920 H1	CABLE, choke
14	103 647	VALVE, drain	32	189 100 H1	ROD, governor to carburetor (Used with Front or Rear Wheel Drive only)
15		CARBURETOR (See Engine Manual)	32	875 695 C1	ROD, governor to carburetor (Used with 4 Wheel Drive only)
16	66 453 H 11 494 103 321	GASKET, carburetor NUT, 3/8"NF jam (Carburetor mounting) (2) WASHER, 3/8" lock (Carburetor mounting) (2)		103 361 104 036 114 783 103 024	PIN, 1/16 x 1/2" cotter (2) CLEVIS, 1/4" yoke PIN, yoke NUT, 1/4"NF hex
17	188 840 H1 103 321 103 026 308 469 R2 147 137 H1 151 297 H1 187 631 H1	STARTER (See Engine Manual) STUD (Starter attaching) (3) WASHER, 3/8" lock (Starter attaching) (3) NUT, 3/8"NF hex (Starter attaching) (3) SPACER (Starter attaching) NUT, starter solenoid "R" terminal NUT, starter solenoid "S" terminal NUT, starter solenoid, battery terminal			
18	155 841 H1	CABLE, spark plug (1 and 6) (2)			
19	155 842 H1	CABLE, spark plug (2 and 5) (2)			
20	155 843 H1	CABLE, spark plug (3 and 4) (2)			

ENGINE

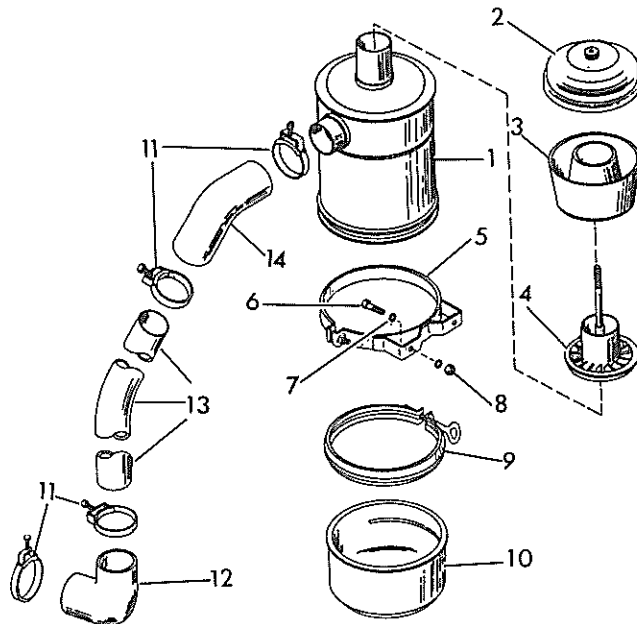
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE AND MOUNTING -- Continued (G-263)					
33	166 567 H1	BRACKET, engine mounting fan end SCREW, cap (Bracket to engine) (4)			
	103 030	NUT, 5/8" NF hex (Bracket to engine) (4)			
	103 325	WASHER, 5/8" lock (Bracket to engine) (4)			
	271 634	SCREW, 3/4" NF x 2" cap (Engine to frame) (2)			
	18 453 R1	NUT, 5/8" NF-18, stop (Engine to frame) (2)			
34	206 978 H1	TUBE, fuel pump to carburetor (Used with 4 Wheel Drive only)			
	29 899 D	NUT, tube			
34	188 998 H1	TUBE, fuel pump to carburetor (Used with Front or Rear Wheel Drive only)			
	29 899 D	NUT, tube			
35	140 570 H1	ELBOW, at fuel pump			
36	35 252 D	CONNECTOR w/o NUT, at carburetor			
	142 095	PLUG, bellhousing			

NOTE: For balance of Engine Mounting Parts,
see "Flywheel and Mounting" in this
section.

ENGINE

REF. PART
NO. NUMBER DESCRIPTION

AIR CLEANER AND PIPING (U-240)

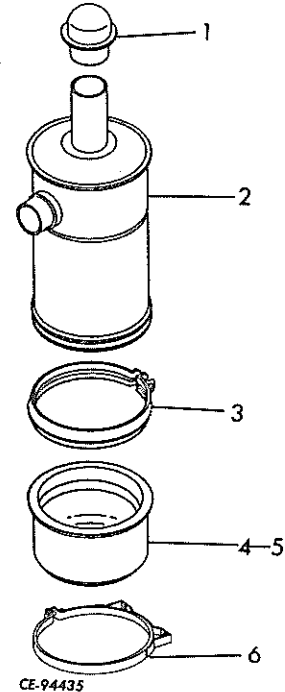


CE-89280

157 379 H1	AIR CLEANER (Includes Items 1, 9 and 10)
1	BODY ASSEMBLY PRE-CLEANER (Includes Items 2, 3 and 4)
134 587 H1	
2	146 624 H1 COVER ASSEMBLY
3	146 625 H1 BODY
4	146 626 H1 SLEEVE ASSEMBLY
5	103 760 H1 CLAMP (2)
6	181 356 SCREW, 3/8 x 5/8" NF cap (4)
7	103 321 WASHER, 3/8" lock (4)
8	103 026 NUT, 3/8" NF hex (4)
9	139 778 H1 CLAMP ASSEMBLY
10	141 221 H1 CUP, oil
11	279 028 R91 CLAMP (4)
12	144 482 H1 HOSE
13	157 380 H1 TUBE
14	113 021 H1 HOSE 615 031 R1 WASHER, 5/16" spacer (8)

REF. PART
NO. NUMBER DESCRIPTION

AIR CLEANER AND MOUNTING (D-236 and G-263) U003948 and below, except 03942, 43 and 44 C003984 and below



CE-94435

A	176 386 H1	AIR CLEANER ASSEMBLY (D-236) (Donaldson No. FGA08-0010) (Consists of Items 2 thru 5)
B	152 835 H1	AIR CLEANER ASSEMBLY (G-263) (Donaldson No. A-72341) (Consists of Items 2 thru 5)
1	109 245 H1	CAP, air cleaner (A)
1	353 018 R92	CAP, air cleaner (B)
2		BODY (Not furnished separately)
3	56 482 D	CLAMP ASSEMBLY, 8" (A)
3	54 269 DA	CLAMP ASSEMBLY, 7" (B)
4	372 493 R1	CUP, oil - inner (A)
4	372 491 R1	CUP, oil - inner (B)
5	172 678 H1	CUP, oil - outer (A)
5	156 904 H1	CUP, oil - outer (B)
6	109 247 H1	BAND, mounting (A) (2)
	179 816	BOLT, 5/16" NC x 3/4" (4)
	103 320	WASHER, 5/16" lock (4)
	102 634	NUT, 5/16" NC hex (4)
6	107 336 H1	BAND, mounting (B) (2)
	133 660 H1	SPACER, 1/2" (4)
	25 493 R1	BOLT (4)
	25 533 R1	WASHER, lock (4)
	25 520 R1	NUT (4)

ENGINE

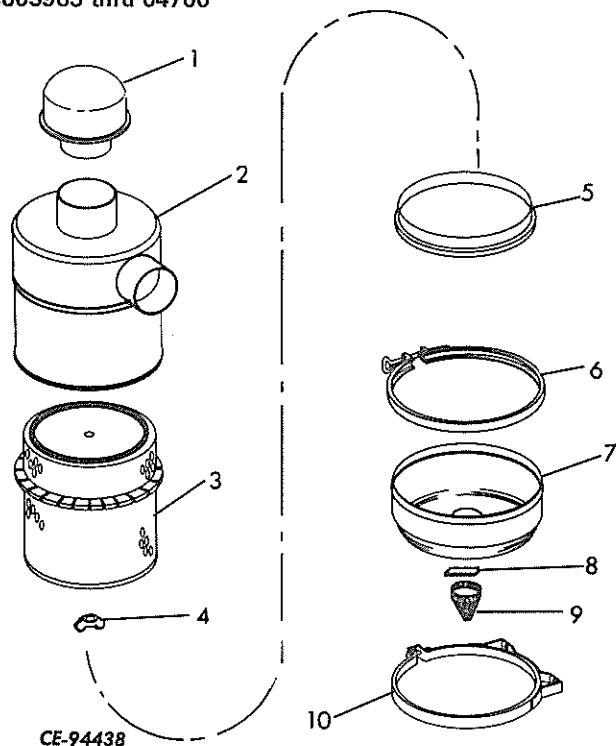
REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER AND MOUNTING

(D-236 and G-263)

U003949 thru 04685, also 03942, 43 and 44

C003985 thru 04700



885 709 C91	AIR CLEANER ASSEMBLY (Donaldson No. FWA08-0031) (Includes items 2 thru 9)
1	49 464 DA CAP, air cleaner (Not part of Air Cleaner Assy.)
2	BODY (Not furnished separately)
3	886 019 C91 ELEMENT
4	381 342 R92 NUT w/GASKET
5	389 265 R1 BAFFLE
6	59 860 D CLAMP ASSEMBLY
7	886 020 C1 CUP
8	387 067 R1 SPRING
9	213 773 H1 VALVE, vacuator
10	109 247 H1 BAND, mounting (2) 181 336 BOLT, 5/16"NF x 3/4" (D-236) (2) 103 320 WASHER, 5/16" lock (4) 103 025 NUT, 5/16"NF hex (4) 615 031 R1 WASHER, spacer (D-236) (8) 181 339 BOLT, 5/16"NF x 1" (G-263) (4)

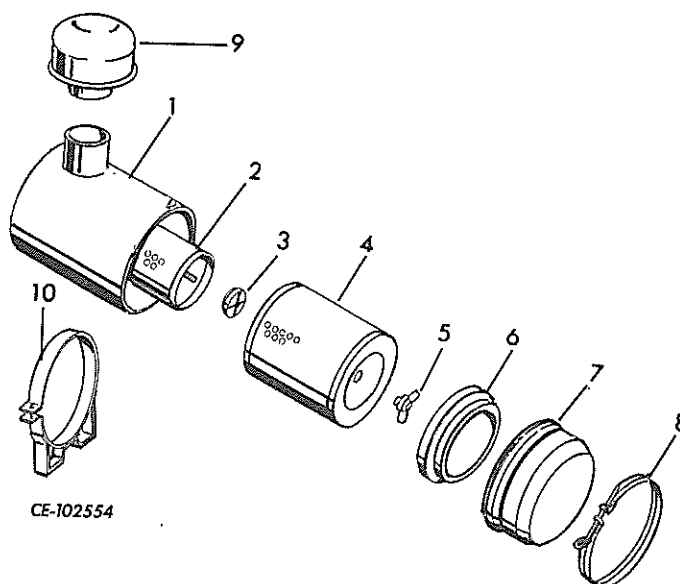
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AIR CLEANER AND MOUNTING

(D-236 and G-263)

U004686 and up

C004701 and up

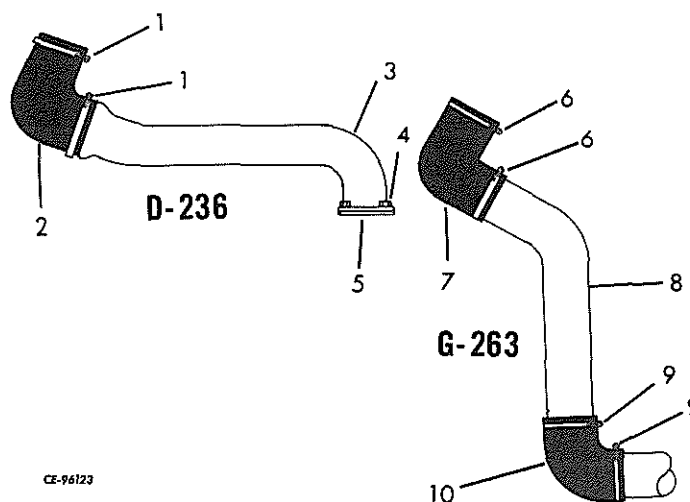


922 024 C92	AIR CLEANER ASSEMBLY (Includes items 1 thru 8)
1	BODY (Not furnished separately)
2	537 335 R2 ELEMENT, safety
3	924 282 C1 NUT, nylon
4	924 779 C2 ELEMENT, primary
5	381 342 R92 NUT ASSEMBLY, wing
6	381 345 R1 BAFFLE
7	675 411 R91 CUP ASSEMBLY
8	381 339 R91 CLAMP ASSEMBLY
9	49 464 DA CAP (Not part of Air Cleaner)
10	103 760 H1 BAND, mounting (Not part of Air Cleaner) (2) 25 493 R1 BOLT (4) 25 520 R1 NUT (4) 25 533 R1 WASHER, flat (12)

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER PIPING (D-236 and G-263)



CE-96123

1	122 322 R91	CLAMP, hose (2)	3	891 811 C1	TUBE (Dry-type Air Cleaner) U004590 thru 04685 C004185 thru 04700
2	109 759 H1	ELBOW (Oil bath Air Cleaner) U00* C003984 and below	3	922 170 C1	TUBE (Dry-type Air Cleaner) U004686 and up C004701 and up
2	129 306 H1	ELBOW (Dry-type Air Cleaner) U004589 and below C003985 thru 04184	4	24 849 R1 25 535 R1	BOLT (2) WASHER, lock (2)
2	891 810 C1	ELBOW (Dry-type Air Cleaner) U004590 thru 04685 C004185 thru 04700	5	369 497 R2	GASKET, tube to engine
2	306 190 R1	ELBOW, (Dry-type Air Cleaner) U004686 thru 04881 C004701 thru 04952	6	279 026 R91	CLAMP, hose (Oil-bath Air Cleaner) (2)
2	930 292 C1	ELBOW (Dry-type Air Cleaner) U004882 and up C004953 and up	6	122 322 R91	CLAMP, hose (Dry-type Air Cleaner) (2)
3	161 533 H1	TUBE (Oil bath Air Cleaner) U00* C003984 and below	7	113 021 H1	ELBOW (Oil-bath Air Cleaner) U00* C003984 and below
3	885 711 C1	TUBE (Dry-Type Air Cleaner) U004589 and below C003985 thru 04184	7	129 306 H1	ELBOW (Dry-type Air Cleaner) U004589 and below C003985 thru 04184

(*) - Serial Number not available.

ENGINE

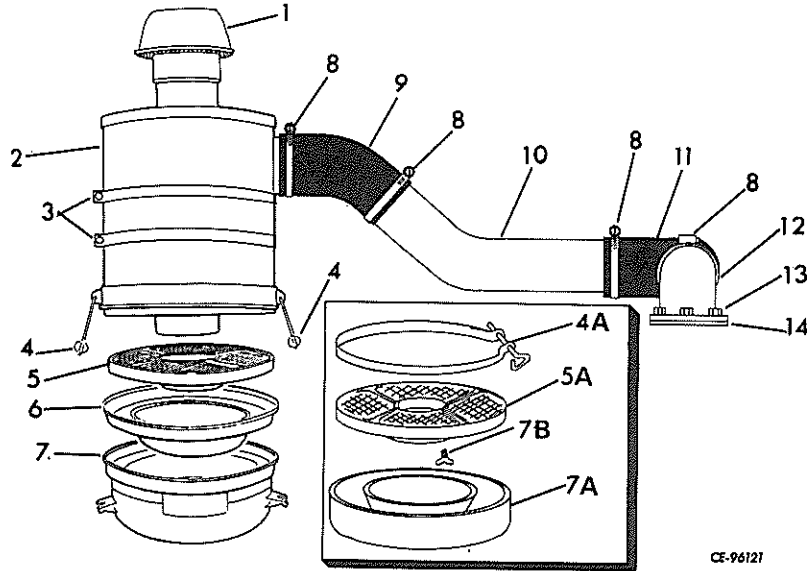
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CLEANER PIPING — Continued (D-236 and G-263)					
7	607 047 C1	ELBOW (Dry-type Air Cleaner) U004590 thru 04685 C004185 thru 04700			
7	306 190 R1	ELBOW (Dry-type Air Cleaner) U004686 thru 04881 C004701 thru 04952			
7	930 292 C1	ELBOW (Dry-type Air Cleaner) U004882 and up C004953 and up			
8	189 143 H1	TUBE (Oil bath Air Cleaner) U00* C003984 and below			
8	890 654 C1	TUBE (Dry-type Air Cleaner) U004589 and below C003985 thru 04184			
8	891 577 C1	TUBE U004590 thru 04685 C004185 thru 04700			
8	922 169 C1	TUBE U004686 and up C004701 and up			
9	279 026 R91	CLAMP (2)			
10	113 021 H1	ELBOW, 90° (On carburetor)			

(*) - Serial Number not yet available.

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER AND PIPING (Detroit Diesel) U003903 and below C003984 and below



CE-96121

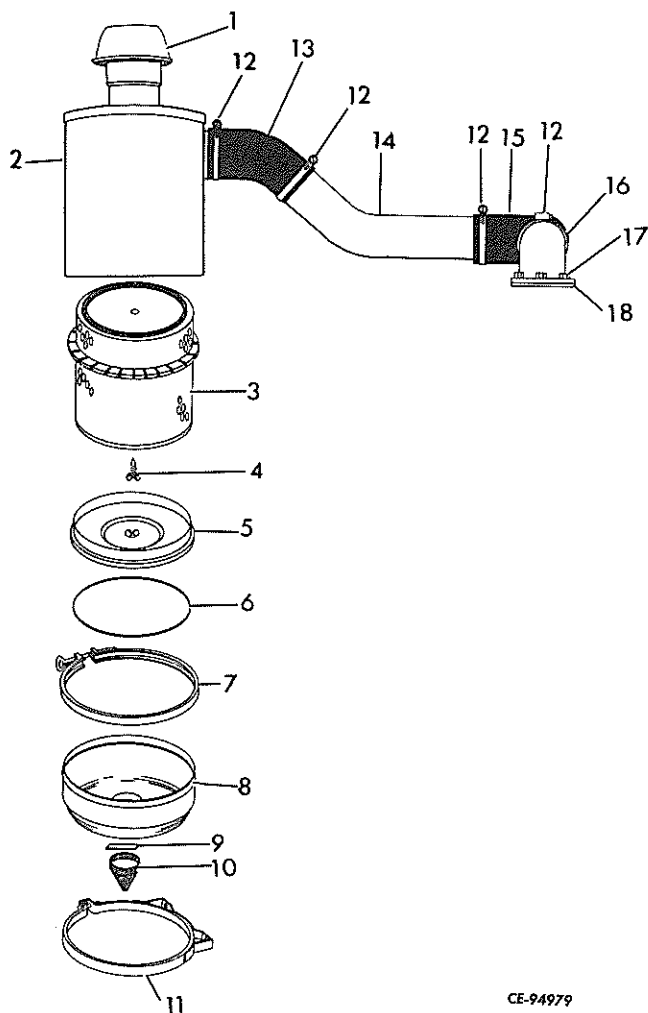
A	184 995 H1	AIR CLEANER ASSEMBLY (Donaldson No. FFA10-4420) (Consists of items 2, 4A, 5A, 7A and 7B) 01983 and below (Order AIR CLEANER ASSY., 206 227 H1)	5A	186 099 H1	HOUSED SCREEN ASSY. (A)
B	206 227 H1	AIR CLEANER ASSEMBLY (Donaldson No. FGA10-0013) (Consists of items 2, 4, 5, 6 and 7) 01984 thru 03904	6	206 578 H1	CUP, inner (B)
1	184 994 H1	CAP, air cleaner (Not part of Air Cleaner Assy.)	7	206 579 H1	CUP, outer (B)
2		BODY (Not furnished separately)	7A	186 100 H1	CUP, oil (A)
3	143 855 H1 181 361 103 321 103 026	BAND, air cleaner mounting (2) BOLT, 3/8"NF x 7/8" (4) WASHER, 3/8" lock (4) NUT, 3/8"NF hex (4)	7B	158 280 H1	NUT, wing (A) (2)
4	195 540 H1	BOLT ASSEMBLY (B) (2)	8	422 688 R91	CLAMP, hose (4)
4A	317 982 R91	CLAMP ASSEMBLY (A)	9	163 450 H1	ELBOW, 45°
5	206 577 H1	ELEMENT (B)	10	185 058 H1	TUBE
			11	150 751 H1	ELBOW, 90°
			12	185 057 H1	TUBE
			13	179 822 103 320	BOLT, 5/16"NC x 1-1/2" (4) WASHER, 5/16" lock (4)
			14	185 204 H1	GASKET, air manifold

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER AND PIPING

(Detroit Diesel)
U003904 and up
C003985 and up



CE-94979

REF. NO.	PART NUMBER	DESCRIPTION
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885 767 C91 AIR CLEANER ASSEMBLY
(Donaldson No. FWA10-0019)
(Consists of items 2 thru 10)

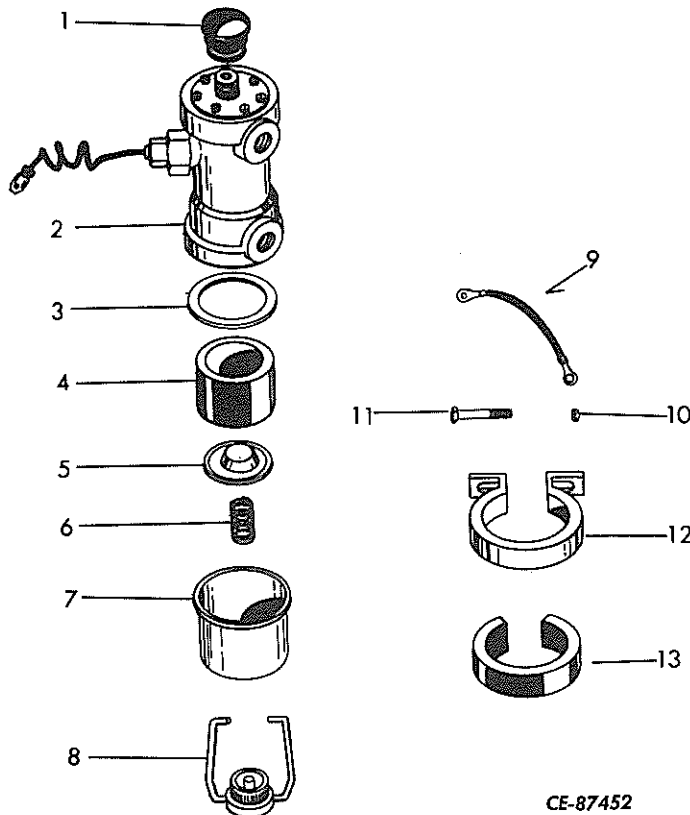
1	184 994 H1	CAP, air cleaner
2		BODY (Not furnished separately)
3	886 017 C92	ELEMENT
4	313 714 R91	BOLT ASSEMBLY
5	343 730 R91	BAFFLE
6	886 018 C1	"O" RING
7	103 283 R11	CLAMP ASSEMBLY
8	886 810 C1	CUP
9	387 067 R1	SPRING
10	213 773 H1	VALVE, vacuator
11	143 855 H1	BAND, air cleaner mounting (2)
	181 361	BOLT, 3/8"NF x 7/8" (4)
	103 321	WASHER, 3/8" lock (4)
	103 026	NUT, 3/8"NF hex (4)
12	422 688 R91	CLAMP, hose (4)
13	163 450 H1	ELBOW, 45°
14	185 058 H1	TUBE
15	150 751 H1	ELBOW, 90°
16	185 057 H1	TUBE
17	179 822	BOLT, 5/16"NC x 1-1/2" (4)
	103 320	WASHER, 5/16" lock (4)
18	185 204 H1	GASKET, air manifold

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION
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AUXILIARY FUEL PUMP — ELECTRIC

(Stewart Warner)
U004164 and below
C004215 and below



183 021 H2 FUEL PUMP ASSEMBLY (Stewart - Warner No. 240-N-12) (Consists of the following parts)
(Order the following parts for units with S/N U003812 thru U004164 C003927 thru C004215

1	PUMP	891 588 C91
1	BAR	893 732 C1
1	FILTER	46 636 DB
1	CLAMP	54 873 D
1	HOSE	183 663 H1
1	ADAPTER	144 043
1	ELBOW	105 423
1	BOLT	181 336
1	WASHER	103 320
1	NUT	103 025
1	DRAWING	FGH-10776
1	DRAWING	FGH-11539)

(For units with S/N 03811 and below
ALSO order the following parts:

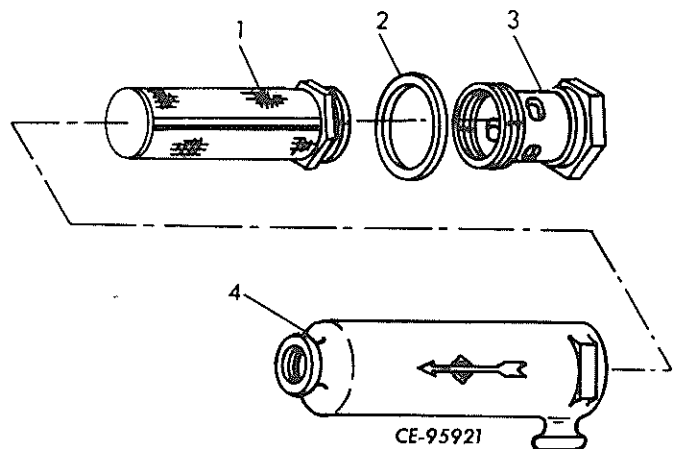
1	TUBE	885 700 C1
1	ADAPTER	876 164 C1
2	BOLT	181 339
2	WASHER	115 548
2	NUT	103 025)

1	313 602 R1	PULSE, chamber
2		BODY (Not furnished separately)
3	888 723 C1	GASKET

REF. NO.	PART NUMBER	DESCRIPTION
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4	313 606 R1	FILTER
5	313 607 R1	BASE, filter
6	313 608 R1	SPRING, filter
7	313 605 R1	BOWL, filter
8	313 603 R91	BAIL ASSEMBLY
9		GROUND LEAD (Not furnished separately)
10	109 084	NUT, 1/4"NC hex
11	179 801	SCREW, 1/4 x 1-1/2"NC cap
12	206 086 H1	BRACKET, mounting
13	186 803 H1	SHOCK PAD

AUXILIARY FUEL PUMP FILTER U004165 to * C004216 to *



46 636 DB FILTER, auxiliary fuel pump
(Order FILTER 1 120 435 C1 and CLAMP 142 846 H1) (Consists of the following -

1	60 351 DA	SCREEN ASSEMBLY
2	60 352 D	GASKET, strainer
3	60 350 D	PLUG, hex
4	60 349 D	BODY, strainer CLAMP (See "FUEL TANK and RELATED PARTS")

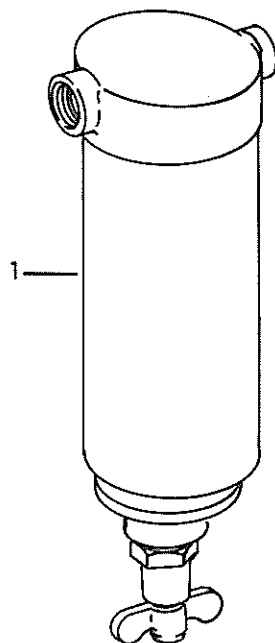
*Serial number not available.

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AUXILIARY FUEL PUMP FILTER

* and up
* and up



CE-114613

- | | | |
|---|--------------|---|
| 1 | 1 120 435 C1 | FILTER, auxiliary fuel pump
CLAMP (See "FUEL TANK and
RELATED PARTS") |
|---|--------------|---|

*Serial number not available.

ENGINE

MEMORANDA

ENGINE

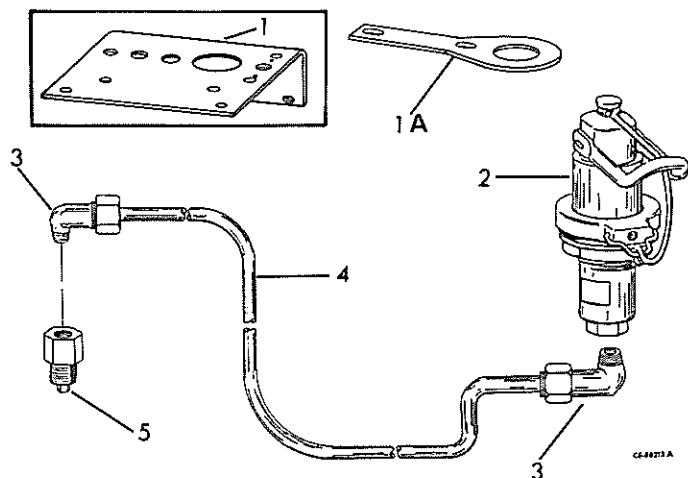
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STARTING AID

(Detroit Diesel)

(Not used on Units Equipped w/Starting Aid Kit)

213 192 H1	TUBE, 1/4"OD x 50 ft. bulk (AR)
36 092 D	NUT, 1/8" tube (2)
29 898 D	NUT, 1/4" tube (2)



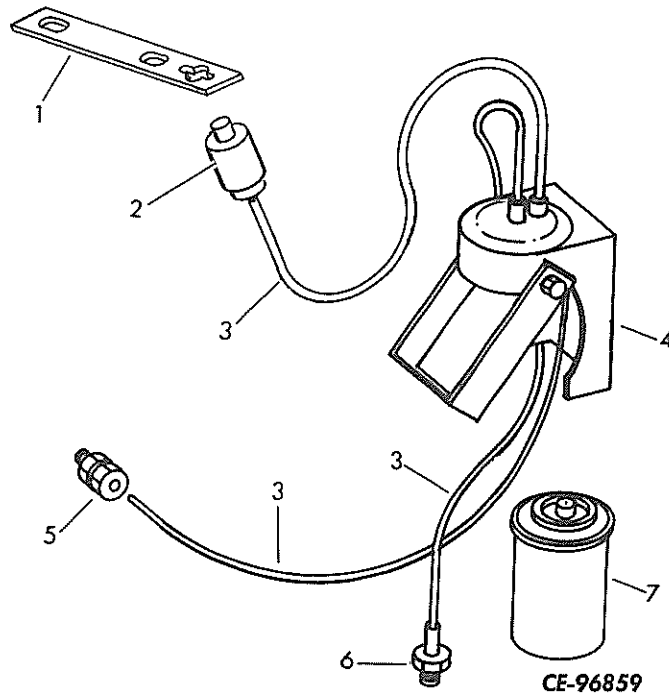
1	175 381 H1	BRACKET, primer mounting (For units w/Primer Mounting on Side of compartment)
1A	882 008 C1	BRACKET, primer mounting (For units w/Primer Mounting on steering column)
2	121 816 H1 136 295	PRIMER, pressure discharger WASHER, 1-1/8" flat (Primer mounting)
3	30 402 D 414 504 C1	ELBOW w/o NUT (Used with 1/4" tubing) (2) INSERT (Used with 1/4" tubing) (2)
3	36 637 D	ELBOW, w/o NUT (Used with 1/8" tubing) (2)
4		TUBE w/o NUTS, (Cut length 1/4"OD x 80" long, cut from bulk TUBING, 213 192 H1) (For units w/Primer Mounting on side of compartment)
	29 898 D	NUT, tube (2)
4		TUBE w/o NUTS (Cut length 1/8"OD x 102" long) (Cut from bulk TUBING, 213 191 H1) (For units w/Primer Mounted on side of compartment)
	36 092 D	NUT, tube (2)
5	122 811 H1	NOZZLE, manifold
	140 578	CLAMP, 1/4" tube (2)
	213 191 H1	TUBE, 1/8"OD x 50 ft. bulk (AR)

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STARTING AID
(Detroit Diesel)
(For Units Equipped w/Starting Aid Kit)

891 387 C1 DECAL, cold weather start
FGH-11583 DRAWING, installation
FGH-11584 DRAWING, panel rework

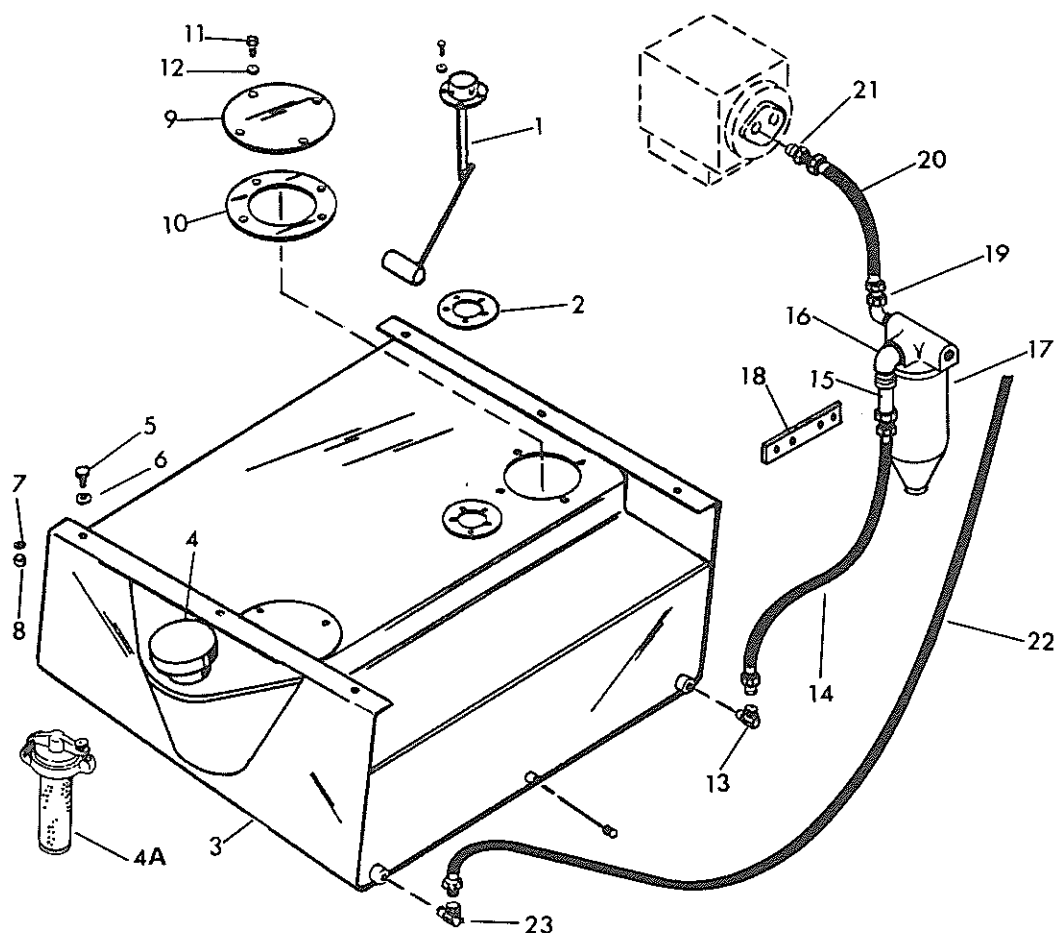


	892 504 C91	KIT, cold weather start (Consists of the following parts -			
1	892 502 C1 179 852	BAR, actuator mounting BOLT, 3/8"NC x 1-3/8" (2)			
2	883 752 C1 132 900	ACTUATOR SCREW, No. 10 x 3/8" slt-rd-hd mach. (2)			
3	883 421 C1	TUBING			
4	884 869 C1 181 313 103 319 103 024	BRACKET BOLT, 1/4"NF x 3/4" (4) WASHER, 1/4" lock (4) NUT, 1/4"NF hex (4)			
5	884 618 C1	NOZZLE			
6	884 617 C1	CONTROL, injection			
7		FLUID, starting (Order from Local Distributor)			
	879 794 C91	KIT, starting (Consists of -			
		1 ACTUATOR	883 752 C1		
		1 BRACKET	884 869 C1		
		1 CONTROL	884 617 C1		
		1 NOZZLE	884 618 C1		
		1 TUBING	883 421 C1)		

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FUEL TANK AND RELATED PARTS (Detroit Diesel 3-53)



CE-89284 A

1	891 421 C1	SENDER, fuel level (Used with Gauge, 187 315 H2)
1	891 418 C1	SENDER, fuel level (Used with Gauge, 885 308 C1)
2	107 755 H1	GASKET
3	157 415 H4	TANK, fuel w/CAP, 193 421 H1
4	193 421 H1	CAP, w/CHAIN
4A	116 493 H1	CAP, fire proof fuel tank (Optional)
5	181 377	SCREW, 3/8"NF x 1-3/4" cap (Fuel tank attaching) (6)
6	106 263	WASHER, 3/8" flat (Fuel tank attaching) (6)
7	120 382	WASHER, 3/8" lock (Fuel tank attaching) (6)
8	103 026	NUT, 3/8"NF hex (Fuel tank attaching) (6)

9	125 751 H1	COVER, hand hole (2)
10	155 932 H1	GASKET (2)
11	25 772	BOLT (8)
12	120 382	WASHER

SUCTION LINE - FUEL TANK TO STRAINER

13	387 297 R91	ELBOW, 90° adapter
14	114 653 H1	HOSE ASSEMBLY
15		CHECK VALVE (See Detroit Diesel Engine Manual)
16	117 383 H1	ELBOW
17		STRAINER, fuel (See Detroit Diesel Engine Manual)

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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FUEL TANK AND RELATED PARTS — Continued (Detroit Diesel 3-53)

SUCTION LINE — FUEL TANK TO STRAINER - Continued

18	187 605 H1	BRACKET, fuel strainer
	179 839	BOLT, 3/8 x 1" NC cap (Strainer to bracket) (2)
	25 772 R1	BOLT, 3/8 x 1" NF cap (Strainer to bracket) (2)
	120 382	WASHER, 3/8" lock (Strainer to bracket) (4)
	103 026	NUT, 3/8" NF hex (Strainer to bracket) (2)

LINE — STRAINER TO FUEL PUMP

19	115 353 H1	ELBOW, 90°
20	185 255 H1	TUBE ASSEMBLY
21	118 750	CONNECTOR

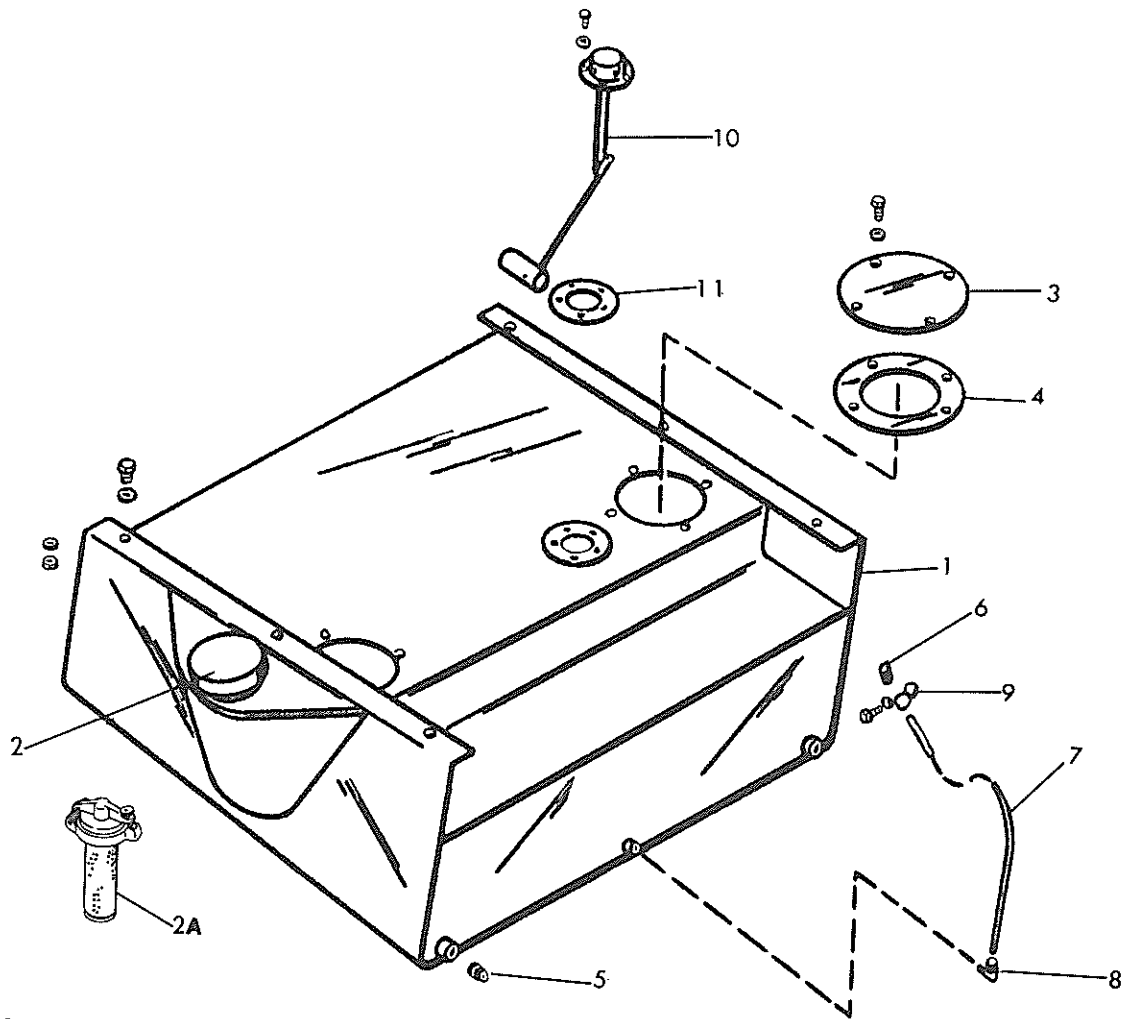
LINE RETURN — ENGINE TO FUEL TANK

22	185 254 H1	HOSE
23	387 297 R91	ELBOW, adapter 90°
	444 576	PLUG, 1/4" pipe tank

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FUEL TANK AND RELATED PARTS (G-263)



CE-89285 A

1	157 415 H4	TANK, fuel w/CAP, 193 421 H1	7	157 623 H1	TUBING, fuel pump to tank
2	193 421 H1	CAP, fuel tank	8	101 497 H1	ELBOW, tubing to tank
2A	116 493 H1	CAP, fire proof fuel tank (Optional)	9	HL-3550 206 978 H1	CLIP, fuel line to tank TUBE, fuel pump to carburetor (Engine)
3	125 751 H1	COVER, handhole (2)		140 570 H1	ELBOW, at fuel pump (Engine)
4	155 932 H2 25 772 R1	GASKET, cover (2) SCREW, 3/8 x 1-1/2" NF cap (Hand hole cover) (8)		35 252 D	CONNECTOR w/o NUT, at carburetor (Engine)
	120 382	WASHER, 3/8" lock (Hand hole cover) (8)		29 899 D	NUT, tube
5	444 588 181 374	PLUG, pipe - tank drain 1/2" (2) SCREW, 3/8 x 1-1/2" NF cap (Fuel tank mounting) (6)	10	891 421 C1	SENDER, fuel level (Used with Gauge, 187 315 H2)
	106 263	WASHER, 3/8" flat (Fuel tank mounting) (6)	10	891 418 C1	SENDER, fuel level (Used with Gauge, 885 308 C1)
	120 382	WASHER, 3/8" lock (Fuel tank mounting) (6)		132 911	SCREW, machine (Fuel sender) (5)
	103 026	NUT, 3/8" NF hex (Fuel tank mounting) (6)		120 217	WASHER, No. 10 lock (Fuel sender) (5)
6	140 570 H1	ELBOW, fuel pump to tubing		120 614	NUT, No. 10-32 hex (Fuel sender) (5)
			11	107 755 H1	GASKET (Fuel sender)

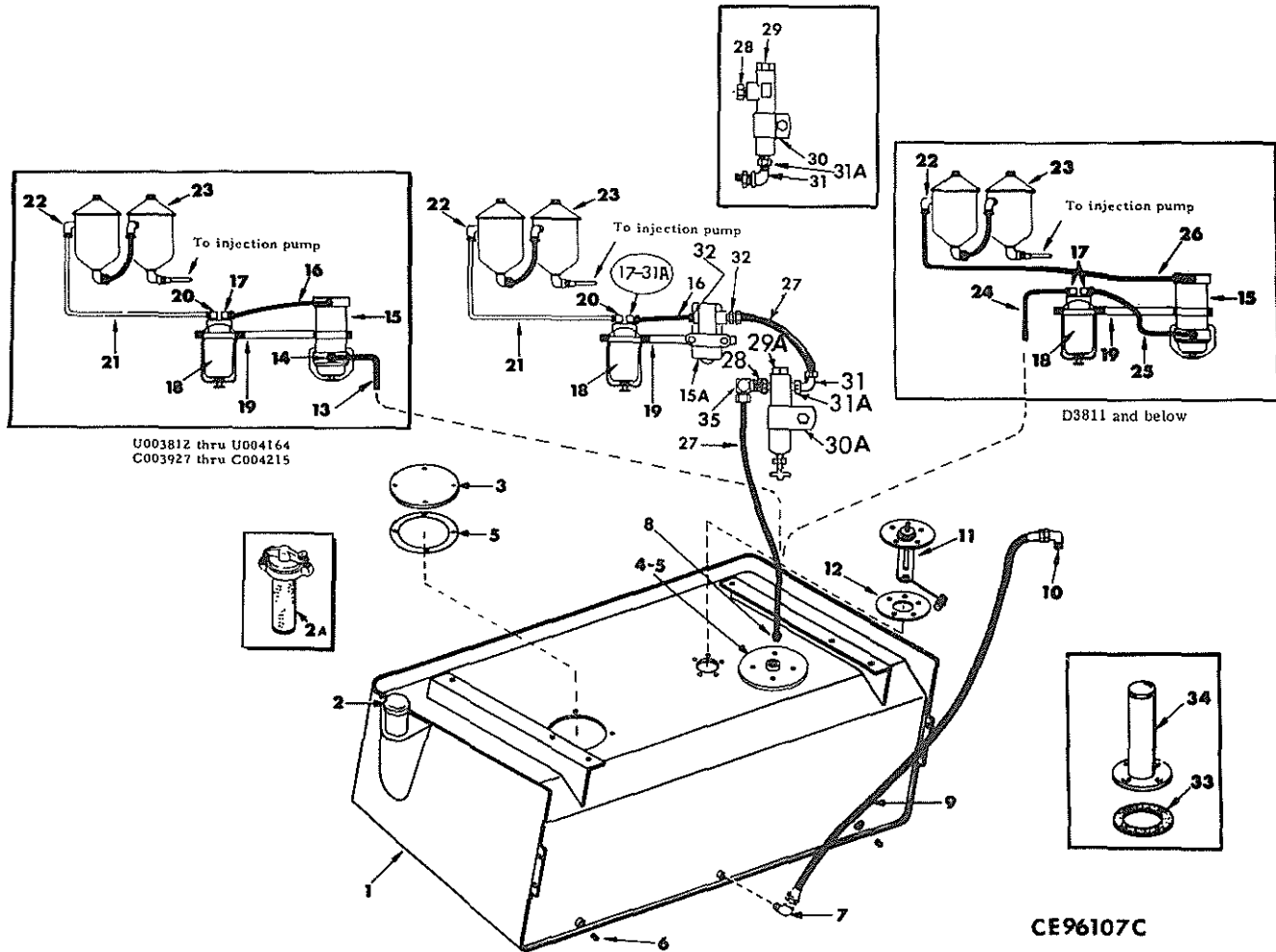
ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND RELATED PARTS (U-240)					
1	157 416 H2	TUBE, filler w/CAP, HA-1279 (Use w/FUEL TANK, 157 415 H1, H2 & H3 only)	8	157 415 H4	TANK, fuel w/CAP, 193 421 H1 (Together w/one COVER PLATE, 125 751 H1, and one GASKET, 155 932 H2, will work for FUEL TANKS, 157 415 H1, H2 and H3)
	25 772 R1	BOLT, 3/8"NF x 1" (4)		181 374	BOLT, 3/8"NF x 1-1/2" (6)
	120 382	WASHER, 3/8" lock (4)		106 263	WASHER, 3/8" flat (6)
2	HA-1279	CAP, filler		120 382	WASHER, 3/8" lock (6)
3	155 932 H2	GASKET (2)		103 026	NUT, 3/8"NF hex (6)
4	125 751 H1	PLATE, access cover (2)	8A	193 421 H1	CAP
	25 772 R1	BOLT, 3/8"NF x 1" (4)	8B	116 493 H1	CAP, fire proof fuel tank (Optional)
	120 382	WASHER, 3/8" lock (4)	9	140 570 H1	ELBOW, fuel pump to tubing
5	444 588	PLUG, 1/2" pipe - fuel tank drain (2)	10	HL-3550	CLAMP
6	891 421 C1	SENDER, fuel level (Used w/GAUGE, 187 315 H2)	11	157 623 H1	TUBING, fuel pump to tank
6	891 418 C1	SENDER, fuel level (Used w/GAUGE, 885 308 C1)	12	101 497 H1	ELBOW
	132 911	SCREW, No. 10-32 machine (5)			
	120 217	WASHER, No. 10 lock (5)			
7	107 755 H1	GASKET			

CE-89286 B

ENGINE

FUEL TANK AND RELATED PARTS (D-236)



ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND RELATED PARTS — Continued (D-236)			10	37 167 D 414 505 C1	ELBOW w/o NUT EYELET U004915 and up C004787 and up
1	157 415 H4	TANK, fuel w/CAP, 193 421 H1 (Together with COVER, 125 751 H1, and GASKET, 155 932 H1, will work for FUEL TANKS, 157 415 H1, H2 and H3)	11	891 421 C1	SENDER, fuel level (Used with GAUGE, 187 315 H2)
	181 374	BOLT, 3/8"NF x 1" (6)	11	891 418 C1	SENDER, fuel level (Used with GAUGE, 885 308 C1)
	106 263	WASHER, 3/8" flat (6)		132 911	SCREW, No. 10-32 x 5/8" machine (5)
	120 382	WASHER, 3/8" lock (6)		120 217	WASHER, No. 10 lock (5)
	103 026	NUT, 3/8"NF hex (6)		120 614	NUT, No. 10-32 hex (5)
2	193 421 H1	CAP w/CHAIN	12	107 755 H1	GASKET, fuel level sender
2A	116 493 H1	CAP, flame arrestor (Optional)	13	183 663 H1	HOSE, fuel tank to pump U003812 thru 4164 C003927 thru 4215
3	125 571 H1 25 772 R1 120 382	COVER, access hole (2) BOLT, 3/8"NF x 1" (4) WASHER, 3/8" lock (4)	14	876 164 C1	ADAPTER, straight U003812 thru 4164 C003927 thru 4215
4	190 487 H1 25 772 R1 120 382	OUTLET, fuel BOLT, 3/8"NF x 1" (4) WASHER, 3/8" lock	15		PUMP, fuel (Stewart-Warner) (See Stewart-Warner Fuel Pump in this section)
5	155 932 H2	GASKET (2)	15A	891 588 C91	PUMP, fuel (AC) (To service Pump, order Repair Kit, 630 644 C91) U004165 and up C004215 and up
6	444 588	PLUG, 1/2" pipe (2)	16	183 663 H1	HOSE ASSY., fuel pump to water trap U003812 thru 04914 C004786 and below
7	105 423	ELBOW, 90° U004914 and below C004786 and below	16		TUBE, nylon w/o tube nuts (Cut length 1/2"OD x 12" long) (Cut from bulk TUBE, 417 200 C2 NUT, 1/2" tube (2) U004915 and up C004787 and up
7	37 323 D 414 505 C1	ELBOW w/o NUT EYELET U004915 and up C004787 and up	17	346 737 R1	ELBOW, 90° (2) U003811 & below (1) U003812 thru 04914
8	144 045	REDUCER, adapter U004914 and below C004786 and below	17	40 876 D 414 506 C1	ELBOW w/o NUT EYELET U004915 and up C004787 and up
8	18 506 R1 414 506 C1	CONNECTOR w/o NUT EYELET U004915 and up C004787 and up	18		TRAP, water (Refer to Engine Manual PMO-236)
9	184 684 H1	HOSE ASSY., fuel tank to water trap U004914 and below C004786 and below	19	191 658 H2	BAR, support (For units with S/N U004164 and below and C004215 and below, equipped w/Stewart- Warner Fuel Pumps and for units with S/N U004165 and up and C004216 and up equipped with AC Fuel Pumps)
	165 207 H1	CLIP			
9		TUBE, nylon w/o tube nuts (Cut length 3/8"OD x 38" long) (Cut from bulk TUBE, 417 199 C2) NUT, 3/8" tube (2) U004915 and up C004787 and up			
	37 165 D				
	140 569	CLIP			
10	137 421	ELBOW, 90° U004914 and below C004786 and below			

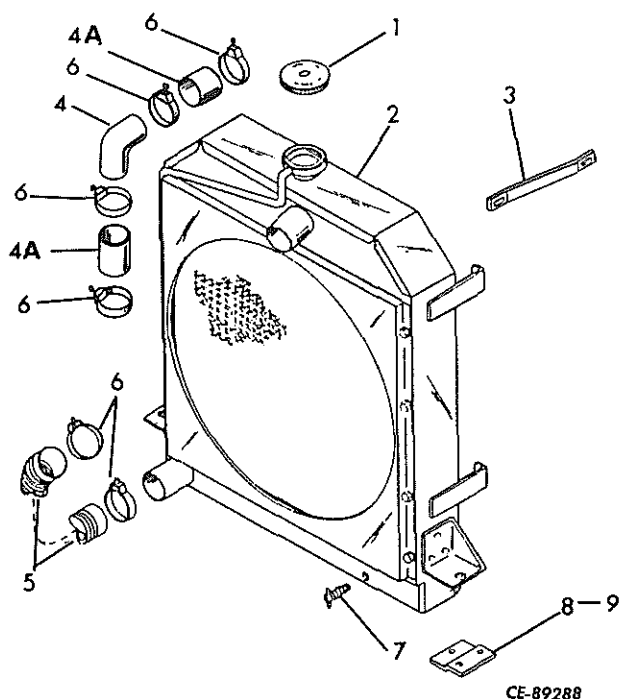
ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK AND RELATED PARTS — Continued (D-236)			30	54 873 D 25 495 R1 120 214 25 521 R1	CLAMP, 1-5/8" BOLT, 5/16"NF x 3/4" WASHER, 5/16" lock NUT, 5/16"NF hex
19	893 732 C1	BAR, support (For units with S/N U004164 and below and C004215 and below and converted to AC Fuel Pumps)	30A	142 846 H1	CLAMP, 1-3/4"
	181 339 115 548 25 521 R1	BOLT, 5/16"NF x 1" (4) WASHER, 5/16" tooth (4) NUT, 5/16"NF hex (4)	31	105 423	ELBOW, 90° U004165 thru 04914 C004216 thru 04786
20	184 654 H1	ELBOW w/NUT U003812 thru 04914 C004786 and below	31	40 876 D 414 506 C1	ELBOW w/o NUT EYELET U004915 and up C004787 and up
20	37 323 D 414 505 C1	ELBOW w/o NUT EYELET U004915 and up C004786 and up	31A	444 014	REDUCER, adapter (2) U004915 and up C004787 and up
21	885 700 C1	TUBE, water trap to filter U003812 thru 04914 C004786 and below	32	876 164 C1	ADAPTER U004165 and up C004216 and up
21		TUBE, nylon w/o NUTS (Cut length 3/8"OD x 30" long) (Cut from bulk TUBE, 417 199 C2)	32	317 783 R1	CONNECTOR, reducer U004165 thru 04914 C004216 thru 04786
	37 165 D	NUT, 3/8" tube (2) U004915 and up C004787 and up	32	941 269 C1 414 506 C1	CONNECTOR w/o NUT (2) EYELET (2) U004915 and up C004787 and up
22	184 654 H1	ELBOW, 90°	33	155 932 H1	GASKET (2)
23		FILTER (See Engine Manual)	34	157 416 H2	TUBE, filler w/CAP, HA-1279 (Used with FUEL TANK, 157 415 H1, H2, and H3 only)
24	18 366 H1	HOSE, fuel tank to water trap 03811 and below	35	346 737 R1	ELBOW, 90° reducer U004165 thru 04914 C004216 thru 04786
25	183 663 H1	HOSE, water trap to filter 03811 and below	35	40 876 D 414 506 C1	ELBOW w/o NUT EYELET U004815 and up C004787 and up
26	184 653 H1	TUBE, fuel pump to filter 03811 and below		630 644 C91	KIT, fuel pump repair (For Pump, 891 588 C91) (Consists of - § 1 CLIP § 1 CONNECTING ROD & BEARING ASSY. § 1 DIAPHRAGM & PULSATOR § 3 GASKET § 1 INSTRUCTIONS § 1 LINK PIN § 2 SPRING § 1 VALVE ASSY.)
27		TUBE, nylon w/o tube nuts (Cut length 1/2"OD x 12" long) (Cut from bulk TUBE, 417 200 C2)		417 199 C2 417 200 C2	TUBING, 3/8"OD x bulk 50 ft. (@)(x) TUBING, 1/2"OD x bulk 50 ft. (@)(x)
	37 288 H	NUT, 1/2" tube (2) U004915 and up C004787 and up			
28	144 043	REDUCER, adapter U004165 thru 04914 C004216 thru 04786			
29		FILTER (See "Auxiliary Fuel Filter" in this section) U004165 to* C004216 to*			
29A		FILTER (See "Auxiliary Fuel Filter" in this section) * and up * and up			

* - Serial number not available
 (@) - Part number and price covers one foot of bulk item.
 (x) - As Required.
 § - Not Furnished separately.

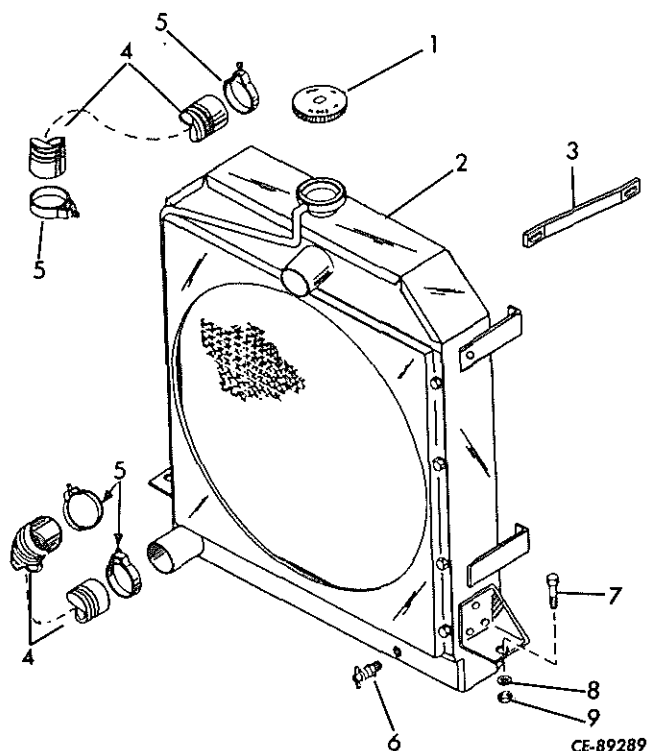
ENGINE

REF. NO.	PART NUMBER	DESCRIPTION
	RADIATOR (G-263 and U-240)	



1	361 705 R91	CAP
2	176 192 H3	RADIATOR w/CAP, 361 705 R91
3	206 421 H1 181 364	SUPPORT (2) SCREW, 3/8 x 1" NF cap (Support attaching) (4)
	103 026	NUT, 3/8" NF hex (Support attaching) (4)
	103 341	WASHER, 3/8" flat (Support attaching) (4)
	103 321	WASHER, 3/8" lock (Support attaching) (4)
4	191 745 H1	TUBE, 45°
4A	262 019 R1	HOSE - Top (2)
5	192 034 H1	HOSE - Bottom
6	279 026 R91	CLAMP (6)
7	112 002 H1	DRAIN
8	181 377	SCREW, 3/8 x 1-3/4" NF cap (Frame attaching) (2)
9	106 263	WASHER, 3/8" flat (Frame attaching) (2)
10	17 234 R1	NUT, 3/8"-24 NF (Frame attaching) (2)

REF. NO.	PART NUMBER	DESCRIPTION
	RADIATOR (D-236)	

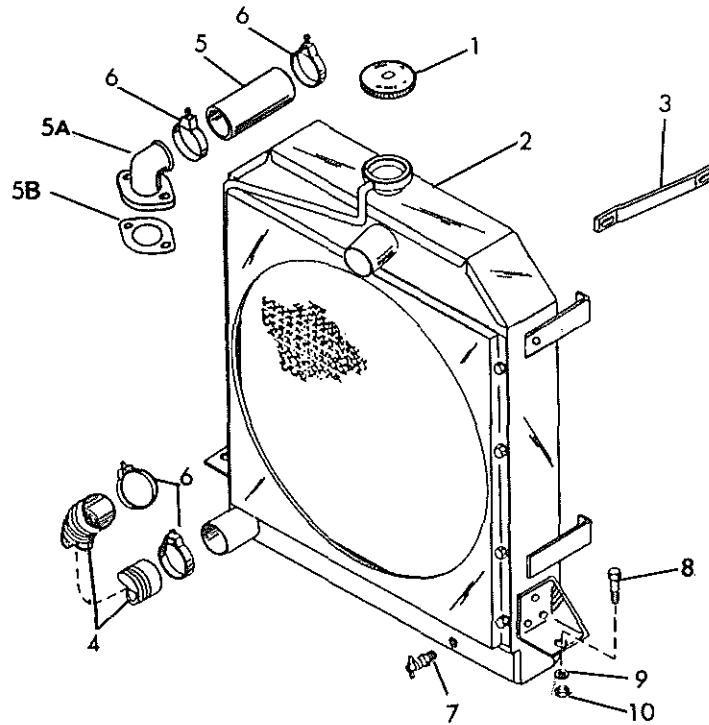


1	361 705 R91	CAP
2	176 192 H3	RADIATOR w/CAP, 361 705 R91
3	206 421 H1 181 364	SUPPORT SCREW, 3/8 x 1" NF cap (Support attaching) (4)
	103 026	NUT, 3/8" NF hex (Support attaching) (4)
	103 341	WASHER, 3/8" flat (Support attaching) (4)
	103 321	WASHER, 3/8" lock (Support attaching) (4)
4	160 629 H1	HOSE - Top and Bottom (2)
5	279 026 R91	CLAMP (4)
6	112 002 H1	DRAIN
7	181 377	SCREW, 3/8 x 1-3/4" NF cap (Frame attaching) (2)
8	106 263	WASHER, 3/8" flat (Frame attaching) (2)
9	17 234 R1	NUT, 3/8"-24 NF (Frame attaching) (2)

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR (Detroit Diesel 3-53)



CE-89290

1	361 705 R91	CAP	5B	188 209 H1	GASKET, elbow	
2	176 192 H3	RADIATOR w/CAP, 361 705 R91		179 839	SCREW, 3/8 x 1"	)
3	206 421 H1	SUPPORT (2)			NC cap (2)	) Elbow
	181 364	SCREW, 3/8 x 1"		103 321	WASHER, 3/8"	) Attaching
		NF cap (4)			lock (2)	)
	103 026	NUT, 3/8" NF hex		6	279 026 R91	CLAMP (4)
		(4)		7	112 002 H1	DRAIN
	103 341	WASHER, 3/8" flat		8	181 377	SCREW, 3/8 x 1-3/4"
		(4)				NF cap (2)
	103 321	WASHER, 3/8"		9	106 263	WASHER, 3/8" lock (2)
		lock (4)				) Frame
4	150 722 H1	HOSE - Lower		10	17 234 R1	NUT, 3/8"-24 NF (2)
5	183 901 H1	HOSE - Upper				) Attaching
5A	184 874 H1	ELBOW - Water outlet				

SECTION 3

ACCESSORY DRIVE & TORQUE CONVERTER

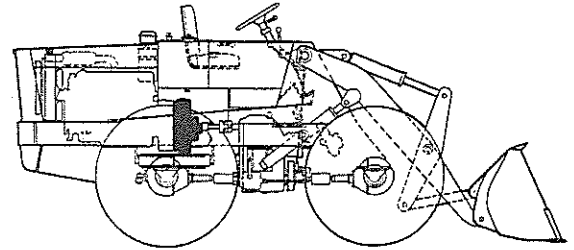
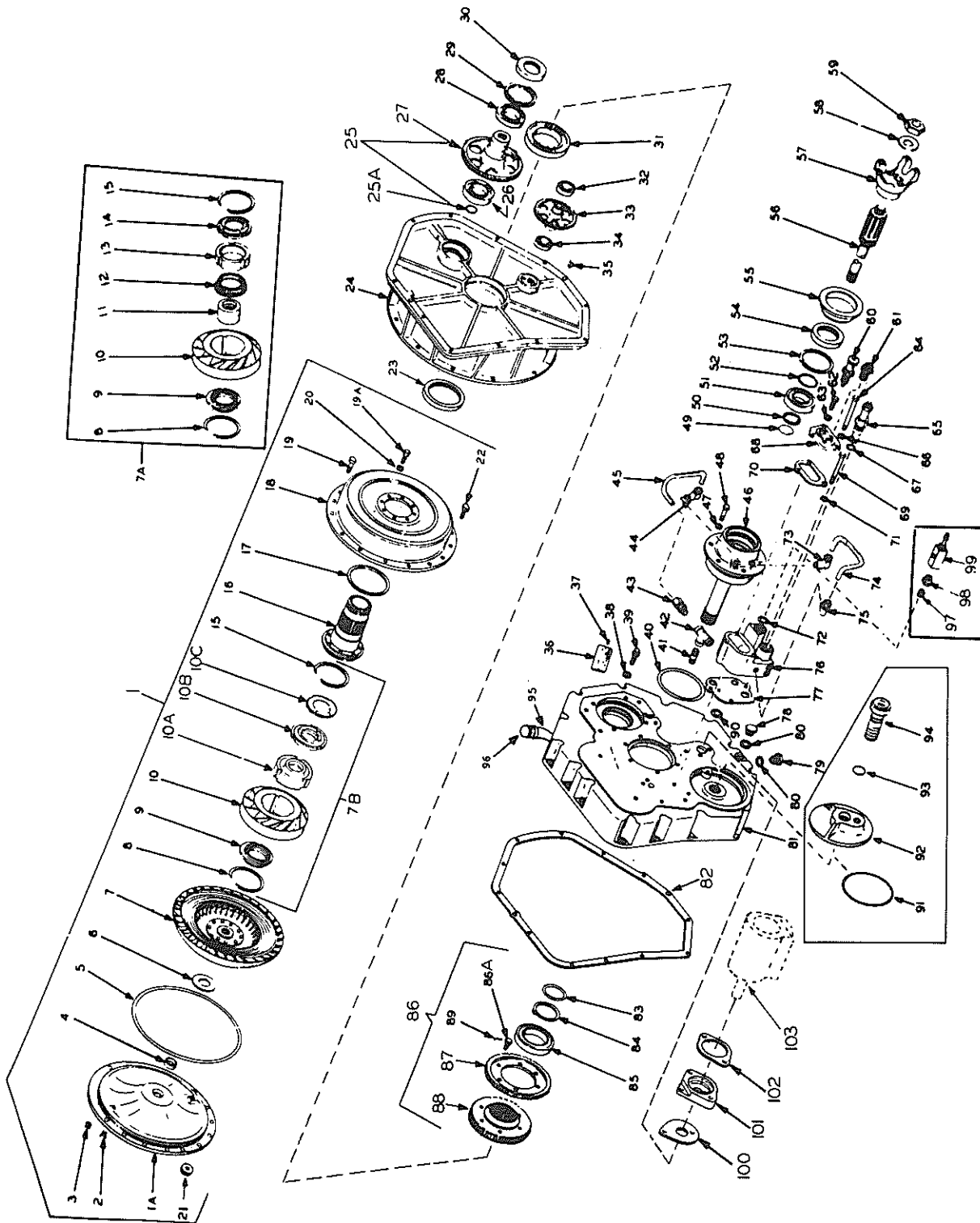


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ACCESSORY DRIVE & TORQUE CONVERTER

ACCESSORY DRIVE AND TORQUE CONVERTER



CE-89235 C

ACCESSORY DRIVE & TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ACCESSORY DRIVE AND TORQUE CONVERTER – Continued					
	176 360 H1	ACCESSORY DRIVE and TORQUE CONVERTER (For use with P-600 Transmission) 1201 thru 2728 except 2055 and 2056	15	119 352 H1	RING, snap
	205 737 H1	ACCESSORY DRIVE and TORQUE CONVERTER (For use with P-600 Transmission) 2729 thru 03422 03715 and up	16	130 002 H2	HUB, impeller
	877 769 C91	ACCESSORY DRIVE and TORQUE CONVERTER (For use w/P-601 Transmission) 03423 thru 03714	17	119 365 H1	RING, seal
1	148 436 H6	TORQUE CONVERTER	18	153 083 H4	IMPELLER ASSEMBLY (Includes Items 16, 17, 19A and 20)
1A	153 085 H1	COVER w/BUSHING and two PIPE PLUG, 444 612	19	119 448 H1	BOLT, cover (To impeller converter attaching) (18)
2	444 612	PLUG, pipe (2)	19A	119 211 H1	SCREW, cap (To impeller converter attaching) (8)
3	119 447 H1	NUT, cover (18)	20	103 319	WASHER, 1/4" lock (To impeller converter attaching) (8)
4	932 751 C1	BUSHING (Order COVER, 153 085 H1)	21	114 493	NUT, 5/16" NF (To impeller converter attaching) (8)
5	119 449 H1	GASKET	22	193 977 H1	SCREW, cap (To impeller converter attaching) (8)
6	119 353 H1	WASHER, flat	23	130 005 H1	SEAL
7	153 084 H1	TURBINE	24	129 710 H2	HOUSING, converter
7A	141 818 H1	STATOR and CLUTCH ASSEMBLY (Used only with 148 436 H4 Torque Converter)	25	207 712 H1	GEAR ASSY.
7B	191 438 H2	STATOR and HUB ASSEMBLY (Used only with 148 436 H5 and H6 Torque Converter)	25	172 545	PLUG, expansion (1")
8	119 352 H1	RING, snap	26	ST-560	BEARING, ball
9	119 452 H1	WASHER, thrust	27	207 692 H1	GEAR
10	119 739 H1	STATOR	28	ST-560	BEARING, ball
10A	191 409 H1	HUB, stator	29	130 009 H1	RING, retaining
10B	215 020 H1	WASHER, stator thrust	30	146 458 H1	SEAL
10C	215 021 H1	WASHER, impeller thrust	31	130 006 H1	BEARING, ball
11	119 225 H1	BEARING, inner race (Used with 148 436 H4 only)	32	ST-541	BEARING, ball
12	150 359 H1	CLUTCH, stator (Used with 148 436 H4 only)	33	130 010 H1	GEAR, spur (Used with 176 360 H1)
13	119 366 H1	BEARING, outer race (Used with 148 436 H4 only)	33	174 518 H1	GEAR, spur (Used with 205 737 H1 and 877 769 C91)
14	119 452 H1	WASHER, thrust (Used with 148 436 H4 only)	34	ST-541	BEARING, ball
			35	19 904 R1	PIN, dowel (2)
			36	887 529 C1	PLATE, identification
			37	123 250 H1	SCREW, drive (2)
			38	103 321	WASHER, 3/8" lock (12)
			39	141 095 H1	SCREW (12)
			40	3 046 999 R1	"O" RING
			41	121 207	NIPPLE, pipe

ACCESSORY DRIVE & TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ACCESSORY DRIVE AND TORQUE CONVERTER — Continued					
42	120 280	TEE, 3/8" pipe	73	152 983 H1	ELBOW
43	143 149 H1 199 161 H1	CONNECTOR SHAFT ASSEMBLY (Includes items 44, 46 and 73)	74	152 982 H1	TUBE, cap to valve
44	152 983 H1	ELBOW ASSEMBLY	75	129 554 H1	ELBOW ASSEMBLY
45	152 981 H1	TUBE, cap to tee	76	153 009 H1 9 402 709 135 081 H1 105 423 444 576	BODY, pressure regulating valve ADAPTER REDUCER ELBOW PLUG, 1/4"
46	152 978 H1	SHAFT ASSEMBLY	77	149 348 H1	GASKET (*)
47	103 321	WASHER, 3/8" lock (6)	78	445 096	PLUG (Not used on later models)
48	179 839	SCREW, 3/8 x 1"NC cap (6)	79	121 508 H1	PLUG, magnetic drain
49	130 031 H1	RING, seal	80	114 851 H1	WASHER, flat (2)
50	130 030 H1	RING, retaining	81	155 448 H2	HOUSING, front (Used with 176 360 H1)
51	ST-215	BEARING, ball	81	205 359 H1	HOUSING, front (Used with 205 737 H1 and 877 769 C91)
52	142 562 H1	GASKET (*)	82	130 021 H1	GASKET (*)
53	659 676 R1	RING, retaining	83	130 018 H1	RING, seal
54	317 549 R1	SEAL	84	300 048 R1	RING, retaining
55	131 193 H1	RETAINER, packing	85	130 016 H1 133 514 H1	BEARING, ball GEAR ASSEMBLY (Includes items 86 thru 89)
56	152 980 H1	SHAFT, converter output	86	130 015 H1	BOLT, drilled head (6)
57	151 797 H1	YOKE, universal joint	87	130 014 H1	GEAR, spur - 82T
58	130 033 H1	WASHER, flat	88	130 013 H1	GEAR, spur - 75T
59	215 617 R1	NUT	89	876 006 C1	WIRE, lock (18 ga. x 8") (3)
60	131 108 H1	SWITCH, T.C. warning (Not used on later models)	90	252 707 R1	"O" RING (x)
61		SENDER, oil temperature (See Section 12)	91	3 046 994 R1	"O" RING (If equipped) (x)
62	141 095 H1	SCREW, cap	92	173 925 H1	CAP, oil filter (If equipped)
63	103 321	WASHER, 3/8" lock (2)	93	254 954 R1	"O" RING (If equipped) (x)
64	188 791 H1	SCREW, cap (2)	94	173 924 H1	SHAFT (If equipped)
65	148 510 H1	VALVE, pressure regulating	95	106 649	ELBOW, 45°
66	103 321	WASHER, 3/8" lock (2)	96	152 127 H1	BREATHER
67	252 707 R1	"O" RING (x)	97	877 771 C1	CONNECTOR (For use w/P-601 Transmission)
68	130 052 H2	COVER			01201 thru 02728, except 02055 and 02056, also 03423 thru 03714
69	179 850	SCREW, 3/8 x 2-3/4"NC cap			
70	130 051 H1	GASKET (*)			
71	103 321	WASHER, lock			
72	352 221 R1	"O" RING (x) (3)			

* - Also part of Gasket Kit, 142 896 H2.
x - Also part of "O" Ring Kit, 142 898 H2.

ACCESSORY DRIVE & TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ACCESSORY DRIVE AND TORQUE CONVERTER —					
Continued					
98	121 207	NIPPLE, 3/8" x 1" (For use w/P-601 Transmission) 01201 thru 02728, except 02055 and 02056, also 03423 thru 03714			
99		VALVE (See "Relief Valve" in this section) (For use w/P-601 Transmission) 01201 thru 02728, except 02055 and 02056, also 03423 thru 03714			
100	174 662 H1 214 423 H1 103 321 186 219 H1 179 796 103 319	ADAPTER, pump mounting BOLT (2) WASHER, 3/8" lock (2) SCREW, 1/4" NF x 3/4" 12-pt. flange BOLT, 1/4 x 7/8" hex-hd (2) WASHER, 1/4" lock (2)			
101	174 660 H1	GASKET, adapter to torque housing (*)			
102	174 663 H1	GASKET, pump to adapter (*)			
103		PUMP, accessory drive (Refer to "Accessory Drive Pump")			
	142 896 H2	KIT, gasket (Consists of - 1 GASKET 130 021 H1 1 GASKET 130 051 H1 1 GASKET 132 259 H1 1 GASKET 142 562 H1 1 GASKET 149 348 H1 1 GASKET 174 660 H1 1 GASKET 174 663 H1)			
	142 898 H2	KIT, "O" Ring (Consists of - 1 "O" RING 22 412 R1 2 "O" RING 252 707 R1 1 "O" RING 254 954 R1 1 "O" RING 293 726 R1 1 "O" RING 304 994 R1 8 "O" RING 352 219 R1 3 "O" RING 352 221 R1)			

* - Also part of Gasket Kit, 142 896 H2.

x - Also part of "O" Ring Kit, 142 898 H2.

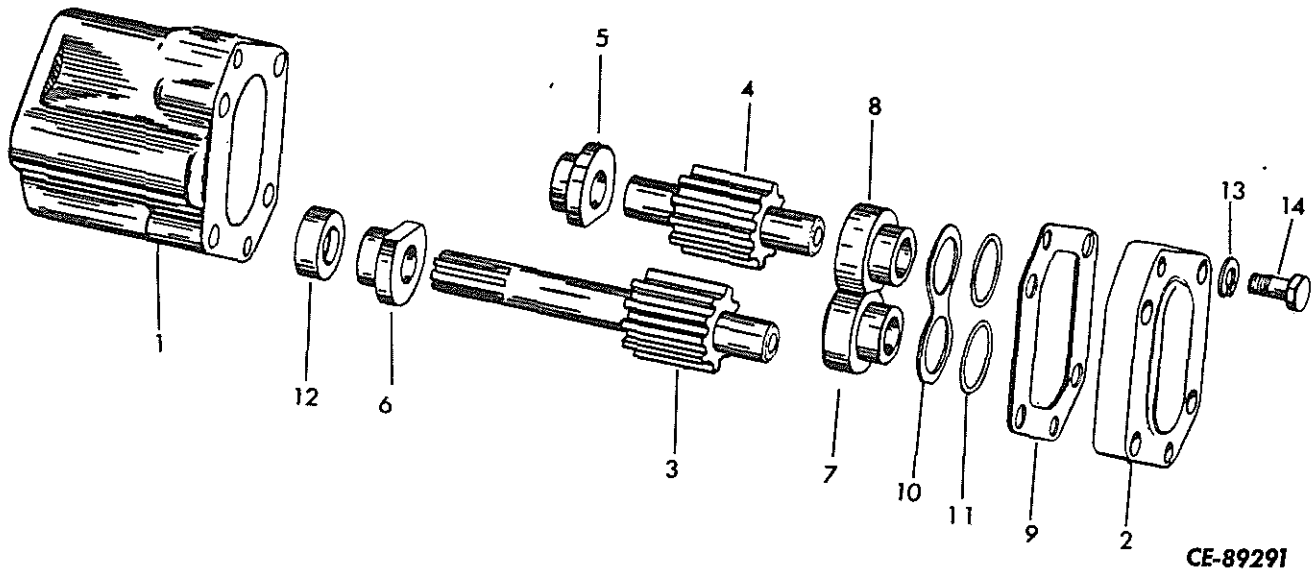
ACCESSORY DRIVE & TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ACCESSORY DRIVE PUMP

Gas - 01701 thru 02728

Diesel - 01201 thru 02059 except 2055 and 2056



	132 258 H1	PUMP ASSY. (Consists of the following -	13	134 839 H1	WASHER (@) (4)
1	134 830 H1	BODY	14	134 842 H1	SCREW, cap (@) (4)
2	134 831 H1	COVER		151 835 H1	MAJOR REPAIR KIT (Includes items 5, 6, 7, 8, 10, 13, 14 and 151 834 H1 Minor Repair Kit)
3		GEAR, drive (Order GEAR KIT, 151 836 H1)		151 834 H1	MINOR REPAIR KIT (Includes items 9, 11 and 12) (*)
4		GEAR, driven (Order GEAR KIT, 151 836 H1)		151 836 H1	GEAR KIT (Includes items 3 and 4)
5		BEARING, body (@)		132 259 H1	GASKET (Pump to Torque Converter)
6		BEARING, body (@)		186 265	SCREW, 1/4 x 3-1/2" NC cap (Pump mounting) (2)
7		BEARING, cover (@)		103 319	WASHER, 1/4" lock (Pump mounting) (2)
8		BEARING, cover (@)			
9		GASKET (%)			
10	361 626 R1	SPRING (@)			
11		"O" RING (%) (2)			
12		SEAL, shaft (%)			

* - Also part of Gasket Kit, 142 896 H2.

@ - Also part of Major Repair Kit, 151 835 H1.

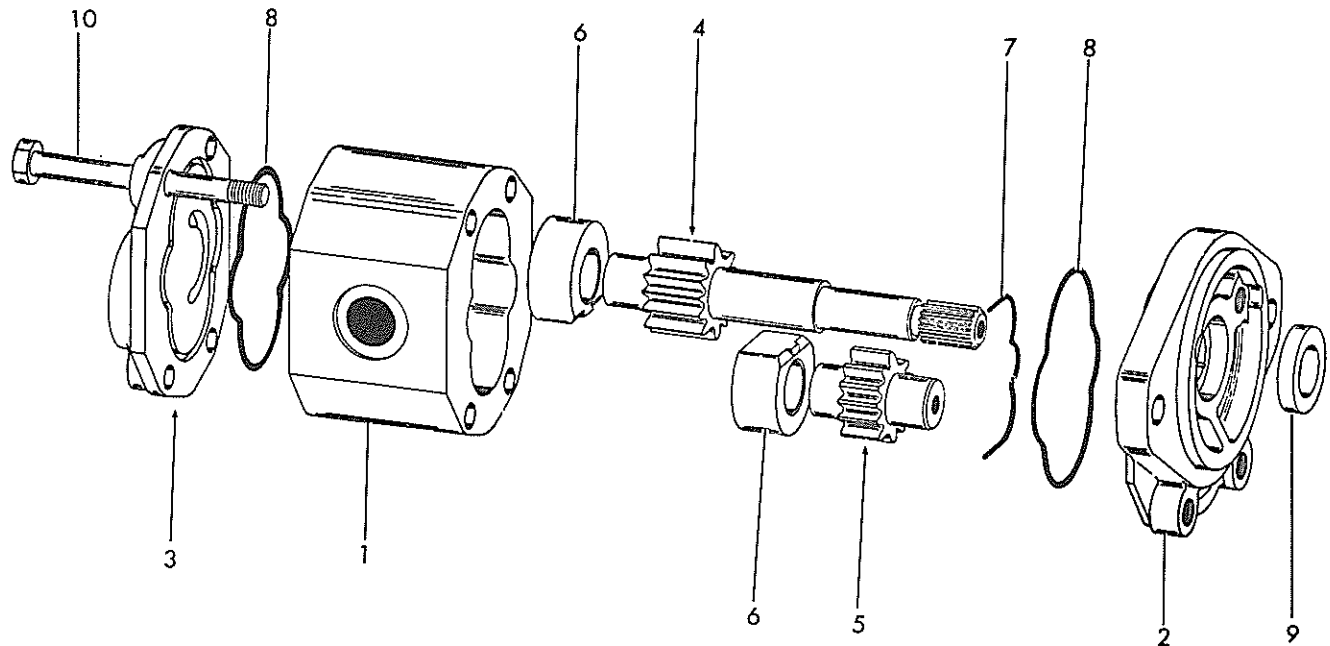
% - Also part of Minor Repair Kit, 151 834 H1.

ACCESSORY DRIVE & TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ACCESSORY DRIVE PUMP

Gas - 02729 thru 03422 and 03715 and up
Diesel - 02060 thru 03422, also 02055, 02056 and 03715 and up



CE-88215

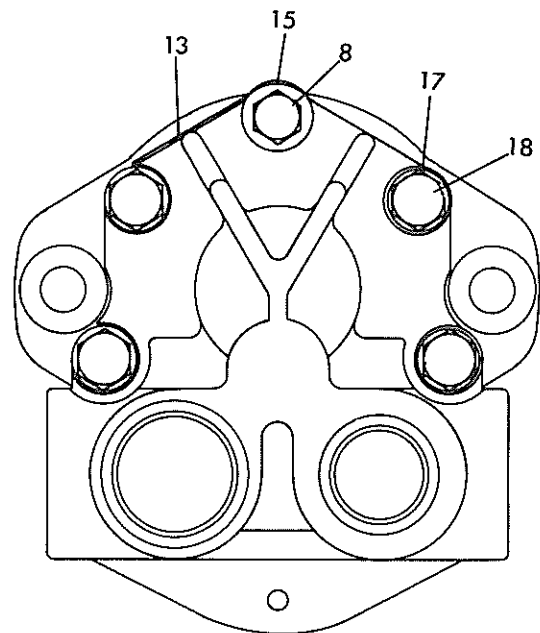
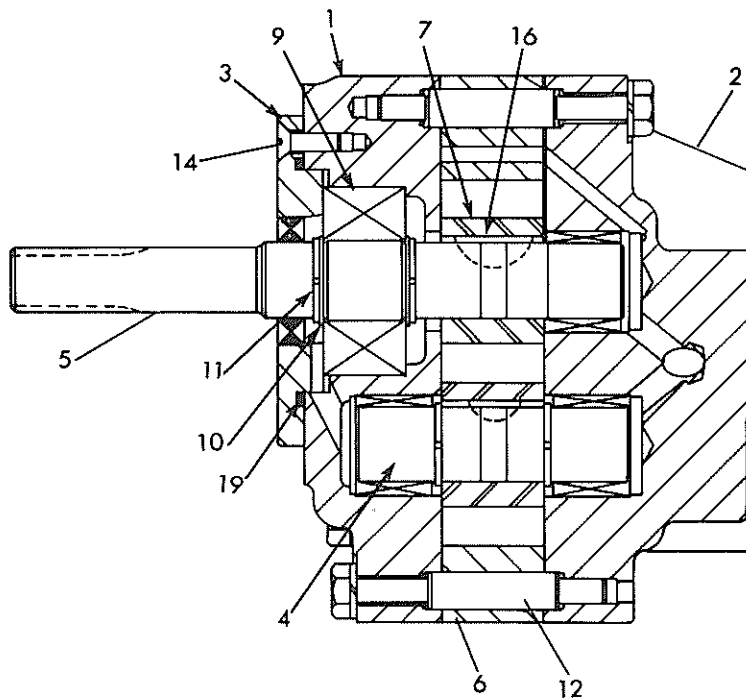
205 256 H1	PUMP ASSY. (Wooster No. P2-7AH5-1-L-01) (Includes items 1 thru 10)	212 527 H1	KIT, major repair (Consists of four BEARING, 185 401 H1, four SCREW, 185 405 H1, and MINOR REPAIR KIT, 212 529 H1)
1	185 396 H1 BODY	212 529 H1	KIT, minor repair (Consists of GASKET, 185 403 H1, two SEAL, 185 404 H1 and SEAL, 185 402 H1)
2	185 397 H1 COVER, front	212 528 H1	KIT, gear (Consists of GEAR, 185 399 H1 and GEAR, 185 400 H1)
3	185 398 H1 COVER, rear		
4	185 399 H1 GEAR, drive (+)		
5	185 400 H1 GEAR, driven (+)		
6	185 401 H1 BEARING, body (@) (4)		
7	185 403 H1 GASKET (%)		
8	185 404 H1 SEAL (%) (2)		
9	185 402 H1 SEAL, shaft (%)		
10	185 405 H1 SCREW, cap (@) (4)		

@ - Also part of Major Repair Kit, 212 527 H1.
% - Also part of Minor Repair Kit, 212 529 H1.
+ - Also part of Gear Kit, 212 528 H1.

ACCESSORY DRIVE & TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ACCESSORY DRIVE PUMP (S/N 3423 thru 3714)



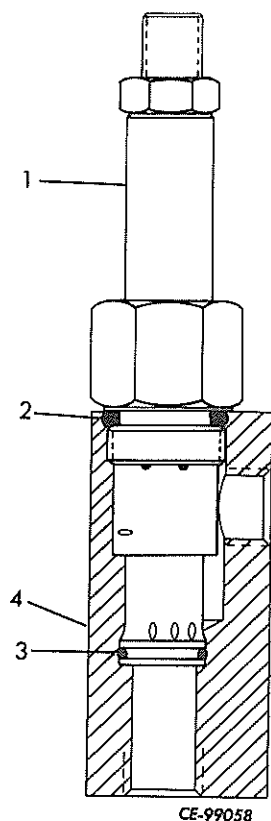
CE-88023

	174 664 H1	PUMP ASSY., (Includes items 1 thru 19)	13	145 362	SCREW, drive (2)
1	180 252 H1	BODY w/BEARING, 152 554 H1	14	133 567	SCREW, 10-24 x 5/8" flat hd mach (3)
2	181 289 H1	COVER w/two BEARING, 152 554 H1	15	120 380	WASHER, 1/4" medium lock (2)
3	180 253 H1	PLATE, pilot w/SEAL, 177 431 H1	16	103 646	KEY, Woodruff
4	181 290 H4	IDLER GEAR ASSEMBLY (Complete with GEAR, SHAFT KEY, and RETAINING RING)	17	120 214	WASHER, 5/16" medium lock (6)
5	181 292 H1	SHAFT, drive	18	454 865	SCREW, 5/16 x 2-1/4" NC hex-hd cap (6)
6	303 072 R1	PLATE, gear	19	364 145 R1	"O" RING
7	177 439 H3	GEAR, drive		152 554 H1	BEARING (Part of COVER, 181 289 H1, and BODY, 180 252 H1) (3)
8	21 190 R1	BOLT (2)		177 431 H1	SEAL (Part of PILOT PLATE, 180 253 H1)
9	177 442 H1	BEARING, ball			
10	276 569 R1	WASHER (2)			
11	276 575 R1	RING, retaining (2)			
12	303 073 R1	PIN, dowel (2)			

ACCESSORY DRIVE & TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RELIEF VALVE



Parts without letters after the description indicates the part is used on all valves listed below: Letters "A" and "B" are used to identify separate valves.

A	153 005 H1	RELIEF VALVE ASSEMBLY (Order VALVE, 153 005 H2)
B	153 005 H2	RELIEF VALVE ASSEMBLY
1	155 522 H2	CARTRIDGE w/"O" RINGS, 254 691 R1 and 392 385 R1
2	254 691 R1	"O" RING
3	352 221 R1	"O" RING (Valve A)
3	392 385 R1	"O" RING (Valve B)
4		BODY (Not serviced separately)



SECTION 4

TRANSMISSION

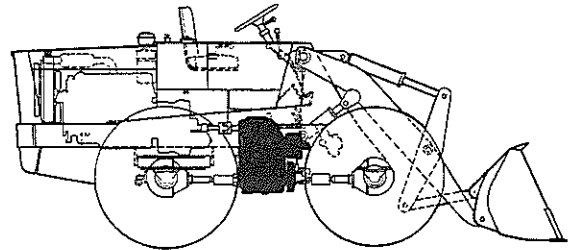


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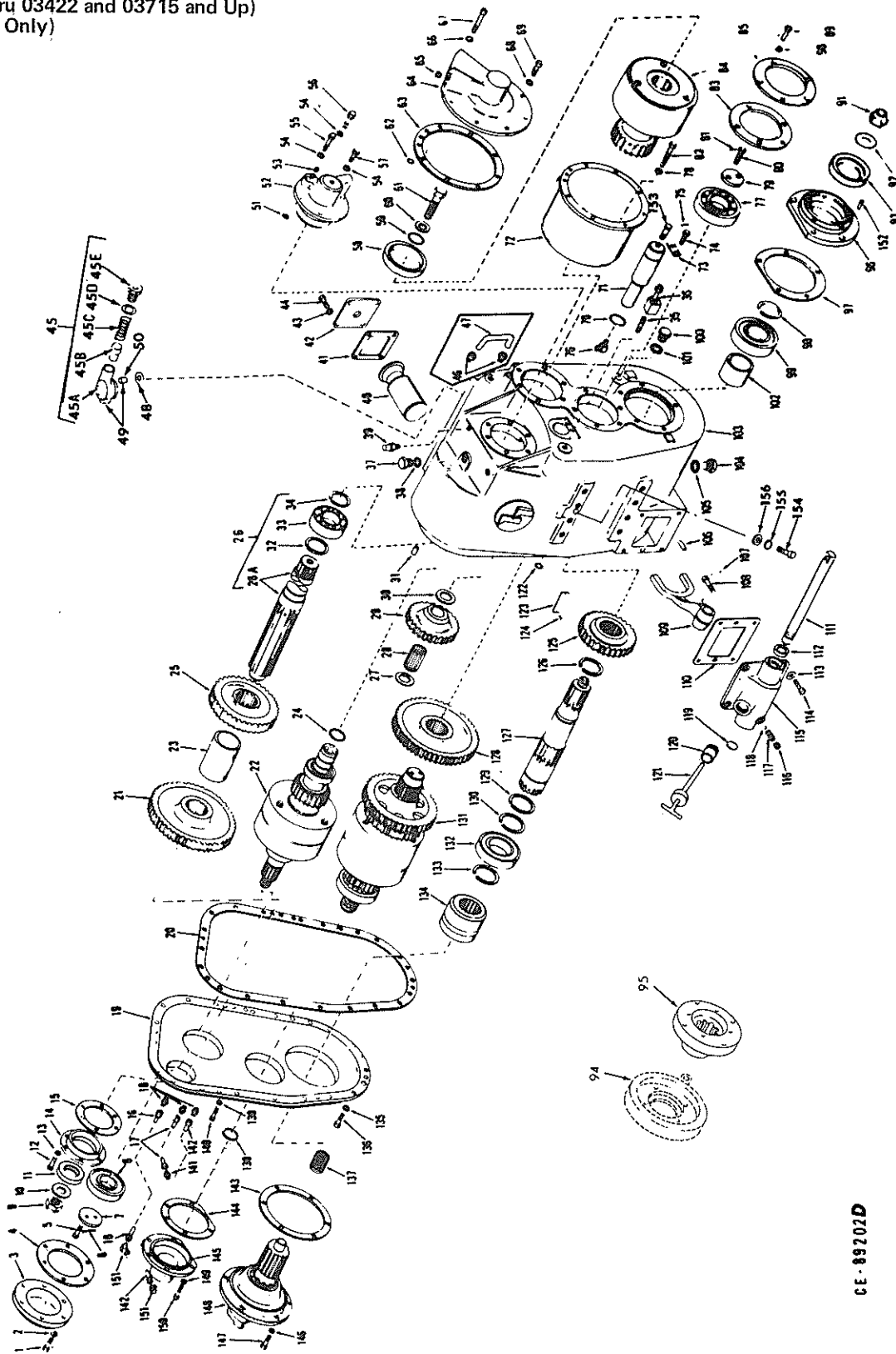
TRANSMISSION

TRANSMISSION

(P-600)

(S/N 01201 thru 03422 and 03715 and Up)

(4-Wheel Drive Only)



CE-89202D

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-600) (4-Wheel Drive Only) (S/N 01201 thru 03422 and 03715 and Up)			26	156 972 H2	COUNTERSHAFT ASSEMBLY (Transmission, S/N T-30-1-1876 and Below) (Order the following parts - 1 COUNTER-SHAFT ASSY. 923 211 C91 1 CYLINDER 189 329 H3 1 WASHER 16 066 R1)
	156 930 H4	TRANSMISSION ASSEMBLY	26	923 211 C91	COUNTERSHAFT ASSEMBLY (Transmission S/N T-30-1-1877 and Up)
1	179 839	SCREW, 3/8 x 1"NC cap (6)	26A	157 196 H2	COUNTERSHAFT (Transmission S/N T-30-1-1876 and Below) (Order the following parts - 1 COUNTER-SHAFT ASSY. 923 211 C91 1 CYLINDER 189 329 H3 1 WASHER 16 066 R1)
2	103 321	WASHER, 3/8" lock (6)	26A	923 212 C1	COUNTERSHAFT (Transmission S/N T-30-1-1877 and Up)
3	116 610 H1	CAP, countershaft	27	150 429 H1	WASHER, flat
4	116 611 H1	GASKET, cap (%)	28	64 849 H	BEARING, roller
5	15 210 D	SCREW, 3/8 x 3/4"NC cap (2)	29	159 653 H1	IDLER GEAR, 30 teeth
6	LW-187	WIRE	30	150 429 H1	WASHER, flat
7	116 623 H1	WASHER, retaining	31	19 904 R1	PIN, dowel (2)
8	ST-296	BEARING, ball	32	125 566 H1	RING, retaining
9	215 617 R1	NUT, lock	33	ST-297	BEARING, ball
10	103 348	WASHER, flat	34	238 604 R1	RING, retaining
11	104 705 H1	SEAL (@)	35	109 421	NIPPLE, pipe
12	179 839	SCREW, 3/8 x 1"NC cap (6)	36		VALVE ASSEMBLY, relief (Refer to "Relief Valve")
13	103 321	WASHER, 3/8" lock (6)	37	445 096	PLUG, filler
14	199 156 H1	CAP, shaft, input w/SEAL, 104 705 H1	38	114 851 H1	WASHER, sealing
15	116 609 H1	GASKET, cap (%)	39	152 127 H1	BREATHER
16	152 125 H1	BENT TUBE, third gear	40	129 569 H1	STRAINER, element, sediment
17	143 052 H1	BENT TUBE, second gear	41	129 570 H1	GASKET, cover (%)
18	129 553 H1	ADAPTER, straight (3)	42	129 568 H1	COVER, strainer
19	143 053 H1	COVER, transmission	43	103 321	WASHER, lock (4)
20	125 524 H1	GASKET (%)	44	179 839	SCREW, 3/8 x 1"NC cap (4)
21	125 563 H1	GEAR, spur, 55 teeth			
22		CLUTCH ASSEMBLY, forward and reverse (Refer to "Forward and Reverse Clutch Assembly")			
23	125 564 H1	SPACER, sleeve			
24	129 509 H1	RING, seal (3)			
25	159 658 H1	GEAR, spur, 37 teeth			

@ - Part of SEAL KIT, 142 899 H1.
% - Part of GASKET KIT, 142 895 H1.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-600) (4-Wheel Drive Only) (S/N 01201 thru 03422 and 03715 and Up)			57	24 840 R1	BOLT, 3/4"NC x 1" (Will work for BOLT, 179 839 and SEAL, 125 003 H1) (4)
45	140 734 H1	MANIFOLD ASSEMBLY (Transmission S/N 6948 and below) (Order MANIFOLD, 922 446 C91 and PLUG, 445 684)	58	299 489 R91	BEARING, roller
45	922 446 C91	MANIFOLD ASSEMBLY (Transmission S/N 6949 and up)	59	129 509 H1	RING, seal (2)
	179 848	BOLT, 3/8"NC x 2-1/2"	60	16 066 R1	WASHER, lock
	125 003 H1	WASHER, sealing	61	129 508 H2	BOLT
45A	129 565 H1	MANIFOLD	62	355 966 R1	"O" RING (x) (4)
45B	134 152 H2	PLUNGER	63	129 513 H1	GASKET (%)
45C	130 553 H1	SPRING	64	156 947 H1	COVER, 1st Gear w/Bearing, 299 489 R91 and two PLUG, 444 854
45D	114 851 H1	WASHER	65	444 854	PLUG, pipe (2)
45E	137 551 H1	PLUG (Transmission S/N 6948 and below)	66	103 321	WASHER, 3/8" lock
45E	922 445 C1	PLUG (Transmission S/N 6949 and up)	67	179 848	SCREW, 3/8 x 2-1/4"NC cap
46	127 302 H1	ADAPTER, straight, pipe to tube (2)	68	103 321	WASHER, 3/8" lock (8)
47	137 572 H1	TUBE, manifold to housing	69	179 841	SCREW, 3/8 x 1-1/4"NC cap (7)
48	293 726 R1	"O" RING (x)	70	707 253 R1	"O" RING (x)
49	130 549 H1	MANIFOLD and TUBE	71	157 209 H1	SHAFT, reverse idler 7322 and below
50	130 548 H1	TUBE	71	923 700 C1	SHAFT, reverse idler 7323 and up
51	355 966 R1	"O" RING (x) (3)	72	881 932 C1 352 221 R1	HOUSING, 1st Gear Clutch "O" RING (x)
52	157 199 H1	CAP w/three PLUG, 444 854	73	125 523 H1	PLATE, lock (Used with SHAFT, 157 209 H1)
53	444 854	PLUG, pipe (3)	74	15 210 D	BOLT (Used w/SHAFT, 157 209 H1)
54	125 003 H1	SEAL, Dyna (Order four BOLT, 24 840 R1, BOLT, 24 842 R1 and BOLT, 24 621 R1) (6)	75		WIRE, locking (18 ga. x 18" long) (Cut from bulk WIRE, 289 509 R1) (Used with SHAFT, 157 209 H1)
55	179 848	BOLT, 3/8"NC x 2-1/4" (Used with Dyna Seal Washer) (Order BOLT, 24 621 R1)	76	137 422	ELBOW (Used w/SHAFT, 157 209 H1)
55	24 621 R1	BOLT, 3/8"NC x 2-1/4" (Will work for BOLT, 179 848 and SEAL, 125 003 H1)	77	336 695 R91	BEARING, roller
56	179 845	BOLT, 3/8"NC x 1-3/4" (Used with Dyna Seal Washer) (Order BOLT, 24 842 R1)	78	103 321	WASHER, 3/8" lock (6)
56	24 842 R1	BOLT, 3/8"NC x 1-3/4" (Will work for BOLT, 179 845 and SEAL, 125 003 H1)	79	116 623 H1	WASHER, retaining
57	179 839	BOLT, 3/8"NC x 1" (Used with Dyna Seal Washer) (Order four BOLT, 24 840 R1) (4)	80	15 210 D	SCREW, 3/8 x 3/4"NC cap (2)

x - Part of "O" RING KIT, 142 897 H2.
% - Part of GASKET KIT, 142 895 H1.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-600) (4-Wheel Drive Only) (S/N 01201 thru 03422 and 03715 and up)			103		HOUSING and TUBE ASSEMBLY (Refer to "Main Housing and Tube Assembly")
81		WIRE, locking (18 ga. x 18" long) (Cut from bulk WIRE, 289 509 R1)	104	113 933 H	PLUG, magnetic
82	179 847	SCREW, 3/8 x 2"NC cap (6)	105	114 851 H1	WASHER, flat
83	129 548 H1	GASKET (%)	106	116 594 H1	PIN, dowel (2) AXLE THROWOUT ASSEMBLY (Includes items 107 thru 109, 111, 112 and 115 thru 119)
84		CLUTCH ASSEMBLY, 1st gear (Refer to "Clutch Assembly - 1st Gear - P-600")	107	LW-187	WIRE
85	129 549 H1	CAP, bearing retainer	108	116 148 H1	SCREW, lock
89	179 839	BOLT, 3/8"NC x 1" (Used with Dyna Seal Washer) (Order five BOLT, 24 840 R1) (5)	109	120 268 H1	FORK, rail
89	24 840 R1	BOLT, 3/8"NC x 1" (Will work for BOLT, 179 839 and SEAL, 125 003 H1) (5)	110	120 275 H1	GASKET (%)
90	125 003 H1	SEAL, dyna (Order five BOLT, 24 840 R1 (x) (5)	111	120 267 H1	RAIL, shifting
91	215 617 R1	NUT	112	116 596 H1	SEAL, oil (@)
92	137 974 H1	WASHER, flat	113	103 321	WASHER, 3/8" lock (4)
93	921 015 C1	SEAL (@)	114	179 838	SCREW, 3/8 x 7/8"NC cap (4)
94		BRAKE ASSY., parking (Refer to "Parking Brake")	115	159 210 H1	HOUSING, shifter
95	151 804 H1 181 377	FLANGE BOLT, 3/8"NF x 1-3/4" hex-hd (4)	116	116 593 H1	SET SCREW
	103 321 103 026	WASHER, 3/8" lock (4) NUT, 3/8"NF hex (4)	117	116 640 H1	SPRING
96	137 663 H1 179 885	ADAPTER, brake drum BOLT (Used w/SEAL, 299 496 R1) (Order BOLT, 24 862 R1	118	9 915 T	BALL, detent
	299 496 R1	SEAL (Used w/BOLT, 179 885) (Order BOLT, 24 862 R1	119	172 548	PLUG, expansion
	24 862 R1	BOLT, (Will work for BOLT, 179 855 and SEAL, 299 496 R1)	120	112 080 H1	NIPPLE, half
97	129 560 H1	GASKET, adapter (%)	121	159 208 H2	CAP and DIPSTICK
98	300 026 R1	RING, retaining	122	352 221 R1	"O" RING (x) (3)
99	ST-405	BEARING, ball	123		PLATE, identification
100	169 320 H1	PLUG, level check	124	123 250 H1	SCREW, drive, plate (2)
101	114 851 H1	WASHER, flat	125	159 045 H1	GEAR, 32T
102	129 559 H1	SPACER	126	327 063 R1	RING, retaining
			127	156 960 H1	SHAFT, output
			128	129 547 H1	GEAR, 53 teeth - first driving
			129	125 566 H1	RING, retaining
			130	300 048 R1	RING, retaining

@ - Part of SEAL KIT, 142 899 H1.
% - Part of GASKET KIT, 142 895 H1.
x - Part of "O" RING KIT, 142 897 H2.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-600) (4-Wheel Drive Only) (S/N 01201 thru 03422 and 03715 and Up)			156	396 323 R1	WASHER (Used w/SHAFT, 923 700 C1)
131		CLUTCH ASSEMBLY, second and third gear (Refer to "Clutch Assembly, 2nd and 3rd Gear - P-600")	199	157 H1	ADAPTER ASSY. (Consists of SEAL, 921 015 C1 and ADAPTER, 137 663 H1)
132	ST-219A	BEARING, ball	876	553 C91	CAP ASSY., 2nd and 3rd gear (Composed of - 1 ADAPTER 129 553 H1 1 CAP 220 497 H1 2 ELBOW 129 554 H1 2 PLUG 444 854)
133	300 048 R1	RING, retaining	103	883	PLUG, 1/8" pipe - at hydraulic gauge port
134	156 968 H1	CLUTCH, sliding sleeve	144	874 H1	STRAINER ASSY. (Consists of STRAINER, 129 569 H1 and COVER, 129 568 H1)
135	103 321	WASHER, 3/8" lock (19)			
136	179 841	SCREW, 3/8 x 1-1/4"NC cap (19)			
137	560 042 R91	BEARING, roller			
138	129 509 H1	RING, seal (3)			
139	103 321	WASHER, 3/8" lock (2)			
140	143 049 H1	SCREW, cap (2)			
141	129 553 H1	ADAPTER, st., pipe to tube			
142	143 051 H1	TUBE, second and third tube			
143	120 248 H1	GASKET (%)			
144	120 243 H1	GASKET (%)			
145	220 497 H1 444 854	CAP PLUG (2)			
146	103 321	WASHER, 3/8" lock (Cover plate attaching) (6)			
147	179 839	SCREW, 3/8"NC x 1" cap (Cover plate attaching) (6)			
148		SHAFT ASSEMBLY, rear output (Refer to "Shaft Assembly, Rear Output")			
149	103 321	WASHER, 3/8" lock (6)			
150	179 839	SCREW, 3/8 x 1"NC cap (6)			
151	129 554 H1	ELBOW, pipe to tube (2)			
152	137 660 H1	PIN, dowel			
153	179 877	SCREW, 1/2" x 5/8" hex-hd cap (Used with SHAFT, 923 700 C1)			
154	138 304	SCREW, 1/2" x 5-1/2" socket hex hd cap (Used w/SHAFT, 923 700 C1)			
155	370 920 R1	"O" RING (Used w/SHAFT, 923 700 C1)			

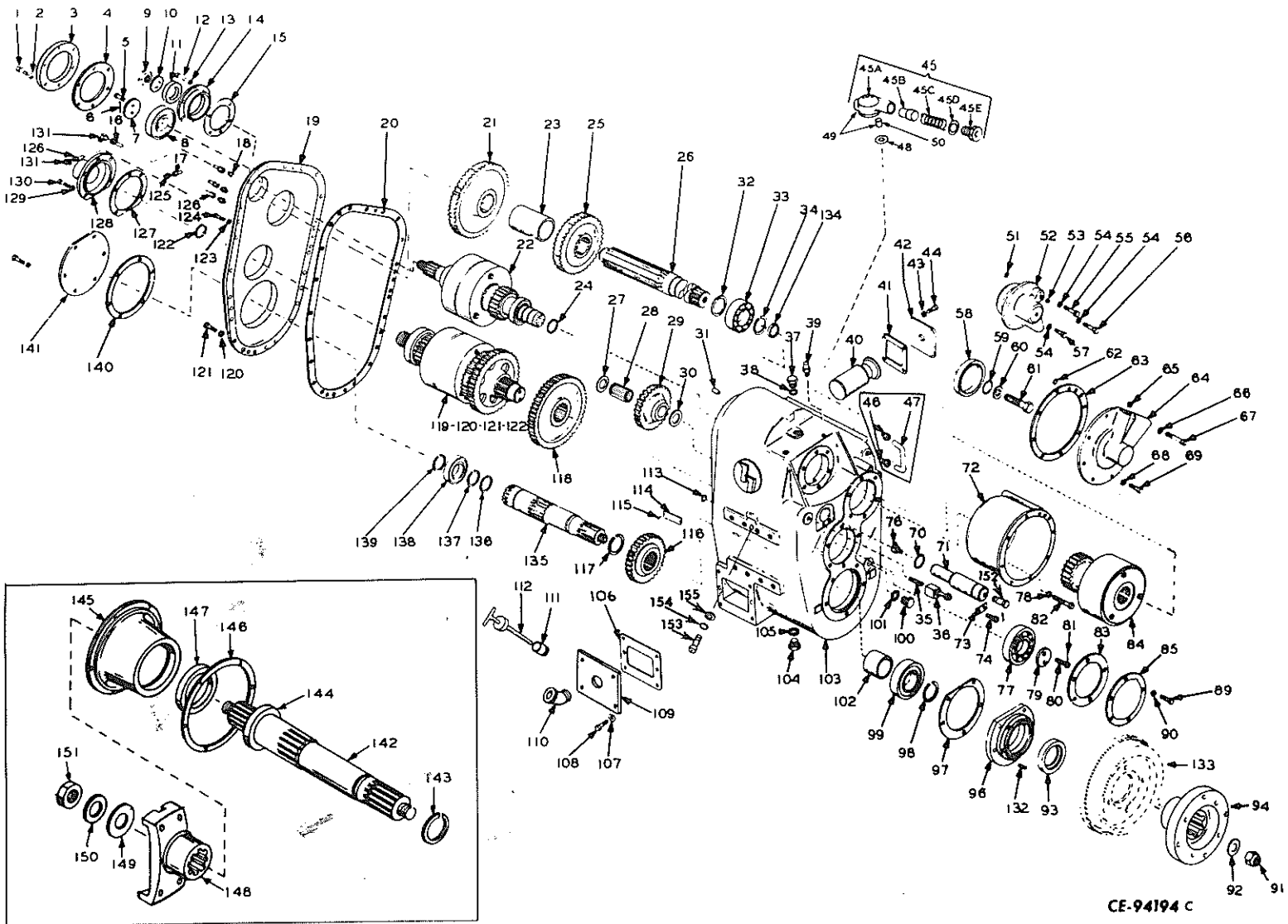
% - Part of GASKET KIT, 142 895 H1.

TRANSMISSION

MEMORANDA

TRANSMISSION

TRANSMISSION
(P-600)
(Two-Wheel Drive Only)
(S/N 01201 thru 03422 and 03715 and Up)



TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-600) (Two-Wheel Drive Only) (S/N 01201 thru 03422 and 03715 and Up)					
	173 320 H3	TRANSMISSION (Front Wheel Drive Only) (Includes items 1 thru 141)	27	150 429 H1	WASHER, flat
	173 440 H4	TRANSMISSION (Rear Wheel Drive Only) (Includes Items 1 thru 134, 142 thru 151)	28	64 849 H	BEARING, roller
1	179 839	SCREW, 3/8"NC x 1" cap (6)	29	159 653 H1	IDLER GEAR, 30 teeth
2	103 321	WASHER, 3/8" lock (6)	30	150 429 H1	WASHER, flat
3	116 610 H1	CAP, counter shaft	31	19 904 R1	PIN, dowel (2)
4	116 611 H1	GASKET, cap (%)	32	125 566 H1	RING, retaining
5	15 210 D	SCREW, cap (2)	33	ST-297	BEARING, ball
6	LW-187	WIRE	34	238 604 R1	RING, retaining
7	116 623 H1	WASHER, retaining	35	109 421	NIPPLE, pipe
8	ST-296	BEARING, ball	36	153 005 H2	VALVE ASSEMBLY, relief (Includes the following 4 items)
9	215 617 R1	NUT		155 522 H2	CARTRIDGE ASSEMBLY
10	103 348	WASHER, flat		254 691 R1	"O" RING
11	104 705 H1	SEAL (@) (&)		392 385 R1	"O" RING
12	179 839	SCREW, 3/8"NC x 1" cap (6)			BODY (Not furnished separately)
13	103 321	WASHER, 3/8" lock (6)	37	445 096	PLUG, filler
14	116 608 H1	CAP, shaft, input	38	114 851 H1	WASHER, sealing (3)
15	116 609 H1	GASKET, cap (%)	39	152 127 H1	BREATHER STRAINER ASSEMBLY (Includes items 40 and 42)
16	152 125 H1	BENT TUBE, 3rd gear	40	129 569 H1	STRAINER, element, sediment
17	143 052 H1	BENT TUBE, 2nd gear	41	129 570 H1	GASKET, cover (%)
18	129 553 H1	ADAPTER, straight (3)	42	129 568 H1	COVER, strainer
19	143 053 H1	COVER, transmission	43	103 321	WASHER, lock (4)
20	125 524 H1	GASKET (%)	44	179 839	SCREW, 3/8"NC x 1" cap (4)
21	125 563 H1	GEAR, spur 55 teeth	45	140 734 H1	MANIFOLD ASSEMBLY 8397 and below (Order MANIFOLD, 922 446 C91 and PLUG, 445 684)
22		CLUTCH ASSEMBLY (Forward and Reverse) (Refer to "Forward and Reverse Clutch Assembly - P-600")	45	922 446 C91	MANIFOLD 8398 and up
23	125 564 H1	SPACER, sleeve		179 848	BOLT, 3/8"NC x 2-1/4"
24	129 509 H1	RING, seal (3)		125 003 H1	WASHER, sealing
25	159 658 H1	GEAR, spur, 37 teeth	45A	129 565 H1	MANIFOLD
26	923 212 C1	SHAFT, upper counter	45B	134 152 H2	PLUNGER

% - Part of GASKET KIT, 142 895 H1.
@ - Part of SEAL KIT, 142 899 H1.
& - Part of SEAL KIT, 187 478 H1.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-600) (Two-Wheel Drive Only) (S/N 01201 thru 03422 and 03715 and up)			61	129 508 H2	SCREW, cap
			62	355 966 R1	"O" RING (x) (+) (4)
45C	130 553 H1	SPRING	63	129 513 H1	GASKET (%)
45D	114 851 H1	WASHER	64	156 947 H1	COVER, 1st gear w/BEARING, 299 489 R91 and two PLUG, 444 854
45E	137 551 H1	PLUG			
		8397 and below	65	444 854	PLUG, pipe (2)
45E	922 445 C1	PLUG	66	103 321	WASHER, 3/8" lock
		8398 and up	67	179 848	SCREW, 3/8"NC x 2-1/4" cap
46	127 302 H1	ADAPTER, straight, pipe to tube (2)	68	103 321	WASHER, 3/8" lock (7)
47	137 572 H1	TUBE, manifold to housing	69	179 841	SCREW, 3/8"NC x 1-1/4" cap (7)
48	293 726 R1	"O" RING (x) (+)	70	707 253 R1	"O" RING (x) (+)
49	130 549 H1	MANIFOLD and TUBE	71	157 209 H1	SHAFT, reverse idler 7322 and below
50	130 548 H1	TUBE	71	923 700 C1	SHAFT, reverse idler 7323 and up
51	355 966 R1	"O" RING (x) (+) (3) CAP ASSEMBLY (Includes items 52 and 53)	72	881 932 C1	HOUSING, 1st gear clutch
52	125 560 H1	CAP	73	125 523 H1	PLATE, lock (Used with SHAFT, 157 209 H1)
53	444 854	PLUG, pipe (6)	74	15 210 D	BOLT (Used with SHAFT, 157 209 H1)
54	125 003 H1	SEAL, dyna (Order four BOLT, 24 840 R1, BOLT, 24 842 R1 and BOLT, 24 621 R1) (6)	75		WIRE, locking (18 ga. x 8" long) (Cut from bulk WIRE, 289 509 R1) (Used w/SHAFT, 157 209 H1)
55	179 848	BOLT, 3/8"NC x 2-1/4" (Used with Dyna Seal Washer) (Order BOLT, 24 621 R1)	76	137 422	ELBOW (Used w/SHAFT, 157 209 H1)
55	24 621 R1	BOLT, 3/8"NC x 2-1/4" (Will work for BOLT, 179 848 and SEAL, 125 003 H1)	77	336 695 R91	BEARING, roller
56	179 845	BOLT, 3/8"NC x 1-3/4" (Used with Dyna Seal Washer) (Order BOLT, 24 842 R1)	78	103 321	WASHER, lock (6)
56	24 842 R1	BOLT, 3/8"NC x 1-3/4" (Will work for BOLT, 179 845 and SEAL, 125 003 H1)	79	116 623 H1	WASHER, retaining
57	179 839	BOLT, 3/8"NC x 1" (Used with Dyna Seal Washer (Order four BOLT, 24 840 R1) (4)	80	15 210 D	SCREW, cap (2)
57	24 840 R1	BOLT, 3/8"NC x 1" (Will work for BOLT, 179 839 and SEAL, 125 003 H1)	81		WIRE, locking (18 ga. x 8" long) (Cut from bulk WIRE, 289 509 R1)
58	299 489 R91	BEARING, roller	82	179 847	SCREW, cap (6)
59	129 509 H1	RING, seal (2)	83	129 548 H1	GASKET (%)
60	16 066 R1	WASHER, lock	84		CLUTCH ASSEMBLY, 1st gear (Refer to "Clutch Assembly - 1st gear")
			% - Part of GASKET KIT, 142 895 H1. x - Part of "O" RING KIT, 142 897 R1. + - Part of "O" RING KIT, 187 452 H1.		

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION -- Continued (P-600) (Two-Wheel Drive Only) (S/N 01201 thru 03422 and 03715 and Up)			110	144 116	ELBOW, street
85	129 549 H1	CAP, bearing retainer	111	112 080 H1	NIPPLE
89	179 839	BOLT, (Used with Dyna Seal Washer (Order five BOLT, 24 840 R1) (5)	112	159 208 H2	CAP and DIPSTICK
89	24 840 R1	BOLT (Will work for BOLT, 179 839 and SEAL, 125 003 H1) (5)	113	352 221 R1	"O" RING (x) (&) (3)
90	125 003 H1	SEAL, dyna (Order five BOLT, 24 840 R1) (5)	114		PLATE, identification
91	215 617 R1	NUT	115	123 250 H1	SCREW, drive (2)
92	137 974 H1	WASHER, flat	116	159 045 H1	GEAR, 32 teeth
93	921 015 H1	SEAL (@) (&)	117	327 063 R1	RING, retaining
94	151 804 H1 181 377	FLANGE BOLT, 3/8"NF x 1-3/4" hex-hd (4)	118	129 547 H1	GEAR, spur, 53 teeth
	103 321 103 026	WASHER, 3/8" lock (4) NUT, 3/8"NF lock (4)	119		CLUTCH ASSEMBLY, 2nd and 3rd Gear (Refer to "Clutch Assembly, 2nd and 3rd")
96	137 663 H1 179 885	ADAPTER, brake drum BOLT (Used with SEAL, 299 496 R1) (Order BOLT, 24 862 R1) (5)	120	103 321	WASHER, lock (19)
	299 496 R1	SEAL (Used with BOLT, 179 885) (Order BOLT, 24 862 R1) (5)	121	179 841	SCREW, cap (19)
	24 862 R1	BOLT, (Will work for BOLT, 179 885 and SEAL, 299 496 R1) (5)	122	129 509 H1	RING, seal (3)
97	129 560 H1	GASKET, adapter (%)	123	103 321	WASHER, lock (2)
98	300 026 R1	RING, retaining	124	143 049	SCREW, cap (2)
99	ST-405	BEARING, ball	125	129 553 H1	ADAPTER, straight pipe to tube
100	169 320 H1	PLUG, level check	126	143 051 H1	TUBE
101	114 851 H1	WASHER, flat	127	120 243 H1	GASKET (%)
102	129 559 H1	SPACER	128	220 497 H1 444 854	CAP PLUG, pipe (2)
103		HOUSING and TUBE ASSEMBLY (Refer to "Main Housing and Tube Assembly")	129	103 321	WASHER, lock (6)
104	113 933 H	PLUG, magnetic	130	179 839	SCREW, cap (6)
105	114 851 H1	WASHER, flat	131	129 554 H1	ELBOW, pipe to tube (2)
106	120 275 H1	GASKET (%)	132	137 660 H1	PIN, dowel
107	103 321	WASHER, lock (4)	133		BRAKE, parking (Refer to "Parking Brake")
108	179 838	SCREW, cap (4)	134	178 828 H1	SPACER
109	173 321 H1	PLATE, cover			

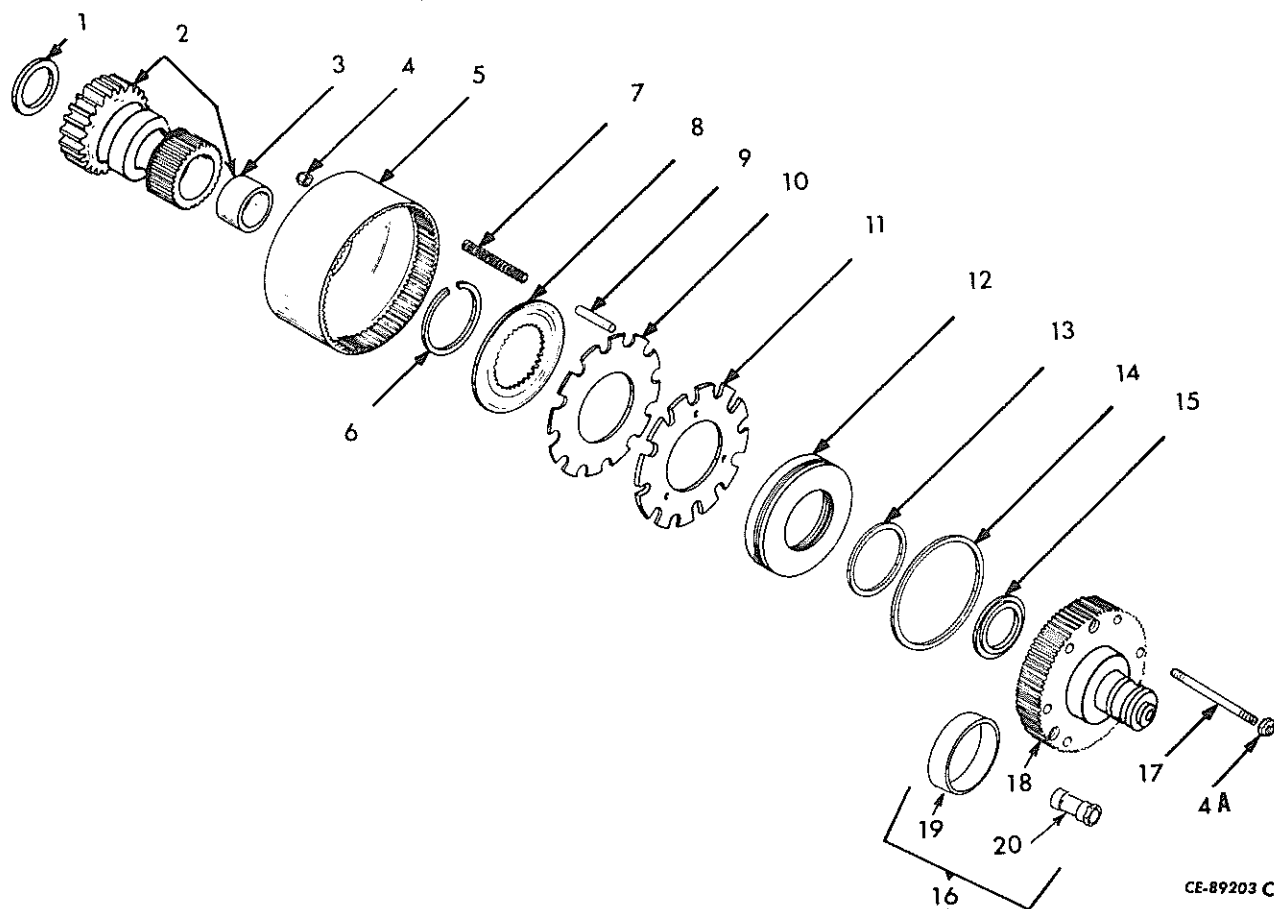
@ - Part of SEAL KIT, 142 899 H1.
 & - Part of SEAL KIT, 187 478 H1.
 % - Part of GASKET KIT, 142 895 H1.
 x - Part of "O" RING KIT, 142 897 H2.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-600) (Two-Wheel Drive Only) (S/N 01201 thru 03422 and 03715 and Up)					
<u>FRONT WHEEL DRIVE ONLY</u>					
135	156 960 H1	SHAFT, output	876 553 C91	CAP ASSY., 2nd and 3rd GEAR (Composed of -	
136	125 566 H1	RING, retaining		1 ADAPTER	129 553 H1
137	300 048 R1	RING, retaining		1 CAP	220 497 H1
138	ST-219A	BEARING, ball		2 ELBOW	129 554 H1
139	300 048 R1	RING, retaining		2 PLUG	444 854)
140	120 248 H1	GASKET (%)	156 959 H1	SHAFT ASSY., front output (Composed of -	
141	137 661 H1	PLATE, cover		1 BEARING	ST-219A
	179 839	SCREW, cap (Cover plate attaching) (6)		1 SHAFT	156 960 H1
	103 321	WASHER, lock (Cover plate attaching) (6)		1 RING	125 566 H1
				2 RING	300 048 R1)
<u>REAR WHEEL DRIVE ONLY</u>			923 211 C91	SHAFT ASSY., upper counter (Composed of -	
142	173 438 H1	SHAFT, output		1 BEARING	ST-297
143	125 566 H1	RING, retaining		1 RING	125 566 H1
144	205 368 R91	BEARING		1 RING	238 604 R1
145	157 201 H1	CAP		1 SHAFT	923 212 C1)
	179 838	SCREW, 3/8 x 1" cap (6)			
	103 323	WASHER, 1/2" lock (6)			
146	120 248 H1	GASKET (%)			
147	118 086 H1	SEAL, oil (@)			
148	151 802 H1	YOKE			
149	130 044 H1	WASHER			
150	106 270	WASHER, flat			
151	215 617 R1	NUT			
152	179 877	SCREW, 1/2" x 5/8" hex-hd cap (Used with SHAFT, 923 700 C1)			
153	138 304	SCREW, 1/2" x 5-1/2" socket hex-hd cap (Used with SHAFT, 923 700 C1)			
154	370 920 R1	"O" RING (Used w/SHAFT, 923 700 C1)			
155	396 323 R1	WASHER (Used w/SHAFT, 923 700 C1)			
	103 883	PLUG, 1/8" pipe (At hydraulic gauge port)			

% - Part of GASKET KIT, 142 895 H1.
@ - Part of SEAL KIT, 142 899 H1.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH ASSEMBLY, 1st GEAR (P-600) (S/N 01201 thru 03422 and 03715 and Up)					
					
Parts without letters after the description indicates the part is used for all Clutch Assemblies: Letters "A" and "B" are used to identify separate Clutch Assemblies.					
A	157 181 H3	CLUTCH ASSEMBLY, 1st gear (Order CLUTCH ASSEMBLY, 885 172 C91) 04017 and below	4A	894 850 C1	NUT (Clutch A) (3) (Clutch B used w/PLATE, 125 506 H1) (6) (Clutch B used w/PLATE, 923 329 C1) (12)
B	885 172 C93	CLUTCH ASSEMBLY, 1st gear 04018 and up (Consists of the following -	5	156 944 H3	PLATE, backing
1	150 432 H1	WASHER	6	125 573 H1	RING, retaining
2	157 182 H3	GEAR w/two BUSHING	7	125 548 H1	SPRING (6)
3		BUSHING (Not serviced separately) (2)	8	886 938 C1	PLATE, driven (8)
4	125 553 H1	NUT, lock (Clutch "B" used w/ PLATE, 923 329 C1) (6)	9	157 186 H1	PIN, spring guide (6)
			10	125 505 H1	PLATE, driving (7)
			11	125 506 H1	PLATE, spring retaining (Three bolt holes)
			11	923 329 C1	PLATE, spring retaining (Six stud holes)
			12	129 502 H2	PISTON

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH ASSEMBLY, 1st GEAR — Continued (P-600) (S/N 01201 thru 03422 and 03715 and Up)					
13	133 601 H1	RING, seal (x) (&)			
14	133 600 H1	RING, seal (x) (&)			
15	150 427 H1	WASHER			
16	189 329 H3	CYLINDER w/SLEEVE and inner bearing race			
17	156 945 H1	BOLT (A) (3)			
17	885 167 C1	STUD (Clutch B used with PLATE, 125 506 H1) (3) (Clutch B used with PLATE, 923 329 C1) (6)			
18	189 127 H3	CYLINDER			
19	189 328 H3	RACE, inner bearing			
20	188 628 H3	SLEEVE			

x - Also part of "O" RING KIT, 142 897 H2.
& - Also part of "O" RING KIT, 187 245 H1.

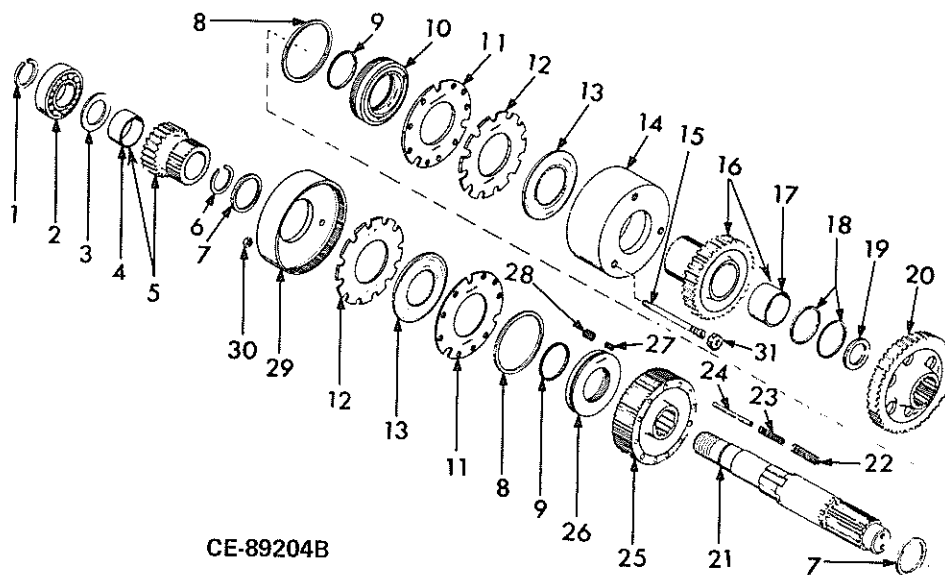
TRANSMISSION

MEMORANDA

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CLUTCH ASSEMBLY, 2nd and 3rd GEAR (P-600) (S/N 01201 thru 03422 and 03715 and Up)



Parts without letters after the description indicates the part is used for all Clutch Assemblies: Letters "A" and "B" are used to identify separate Clutch Assemblies.			11	129 529 H1	PLATE, spring retaining (Three bolt holes) (2)
			11	923 330 C1	PLATE, spring retaining (Six stud holes) (2)
A	156 950 H2	CLUTCH ASSEMBLY, 2nd and 3rd Gear (Order Clutch Assembly, 885 173 C91) 04017 and below	12	125 505 H1	PLATE, clutch - driving (8) 2nd gear (2) 3rd gear
B	885 173 C91	CLUTCH ASSEMBLY, 2nd and 3rd Gear 04018 and Up (Consists of the following -	13	886 938 C1	PLATE, clutch - driven (9) 2nd gear (3) 3rd gear
1	287 049 R1	RING, retaining	14	156 955 H3	PLATE, backing - 2nd
2	ST-296	BEARING, ball	15	125 552 H1	BOLT (Clutch A) (3)
3	150 431 H1	WASHER	15	885 168 C1	STUD (Clutch B used w/PLATE, 129 529 H1) (3) (Clutch B used w/PLATE, 923 330 C1) (6)
4		BUSHING (Not serviced separately) (2)	16	159 659 H	GEAR, w/two SLEEVE - 39T, 2nd
5	129 523 H3	GEAR w/two BUSHING - 21T, 3rd	17		BEARING, sleeve (Not serviced separately) (2)
6	156 970 H1	RING, retaining	18	150 434 H1	WASHER (2)
7	175 217 H1	WASHER (2)			
8	133 600 H1	RING, seal (&) (x) (2)			
9	133 601 H1	RING, seal (&) (x) (2)			
10	129 535 H2	PISTON, second			

& - Also part of "O" Ring Kit, 187 452 H1.
x - Also part of "O" Ring Kit, 142 897 H2.

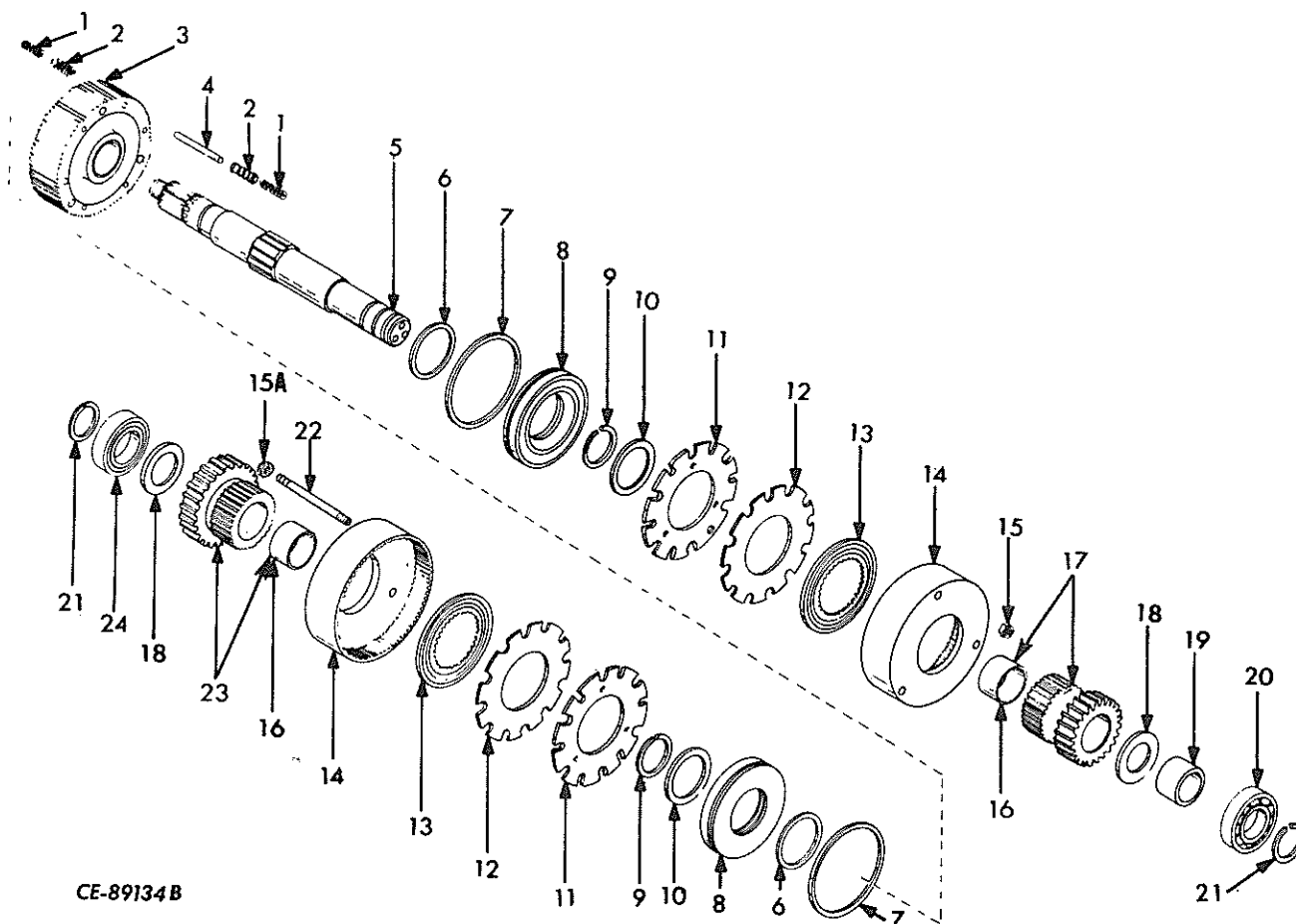
TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH ASSEMBLY, 2nd and 3rd GEAR — Continued (P-600) (S/N 01201 thru 03422 and 03715 and Up)					
19	134 466 H1	RING, retaining			
20	159 044 H1	GEAR, spur			
21	157 187 H1	SHAFT ASSEMBLY			
22	159 670 H1	SPRING, 2nd (Used w/PLATE, 129 529 H1) (9) (Used w/PLATE, 923 330 C1) (6)			
23	159 669 H1	SPRING, 2nd (Used w/PLATE, 129 529 H1) (6) (Used w/PLATE, 923 330 C1) (6)			
24	156 951 H1	PIN (Used w/PLATE, 129 529 H1) (9) (Used w/PLATE, 923 330 C1) (6)			
25	156 938 H3	CYLINDER			
26	129 528 H2	PISTON, 3rd			
27	156 953 H1	SPRING, 3rd (Used w/PLATE, 129 529 H1) (9) (Used w/PLATE, 923 330 C1) (6)			
28	156 952 H1	SPRING, 3rd (Used w/PLATE, 129 529 H1) (9) (Used w/PLATE, 923 330 C1) (6)			
29	156 954 H2	PLATE, backing - 3rd			
30	125 553 H1	NUT, lock (6) (Clutch B used w/PLATE, 923 330 C1)			
31	894 850 C1	NUT (A) (3) (Clutch B used w/PLATE, 129 529 H1) (3) (Clutch B used w/PLATE, 923 330 C1) (6)			

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CLUTCH ASSEMBLY, FORWARD AND REVERSE (P-600) (S/N 01201 thru 03422 and 03715 and Up)



CE-89134B

Parts without letters after the description indicates the part is used for all Clutch Assemblies: Letters "A" and "B" are used to identify separate Clutch Assemblies.

A	157 177 H2	CLUTCH ASSEMBLY, forward and reverse (Order CLUTCH ASSY., 885 171 C91) 04017 and Below	6	133 601 H1	RING, seal (x) (&) (2)
			7	133 600 H1	RING, seal (x) (&) (2)
B	885 171 C94	CLUTCH ASSEMBLY, forward and reverse 04018 and up (Consists of the following parts -	8	129 528 H2	PISTON (2)
			9	156 970 H1	RING, retaining (2)
1	129 532 H1	SPRING (12)	10	175 217 H1	WASHER (2)
			11	129 529 H1	PLATE, spring retaining (Three bolt holes) (2)
2	129 531 H1	SPRING (12)	11	923 330 C1	PLATE, spring retaining (Six stud holes) (2)
			12	125 505 H1	PLATE, clutch, driving (8)
3	157 180 H3	CYLINDER	13	886 938 C1	PLATE, clutch, driven (10)
4	156 933 H1	PIN (Spring Guide) (6)	14	156 935 H2	PLATE, backing (2)
5	157 178 H4	SHAFT ASSEMBLY w/PIN, 125 534 H1	x - Also part of "O" RING KIT, 142 897 H2. & - Also part of "O" RING KIT, 187 452 H1.		
	125 534 H1	PIN, dowel (2)			

TRANSMISSION

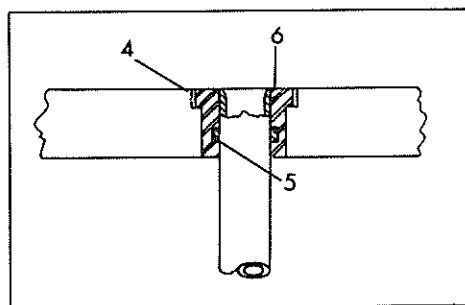
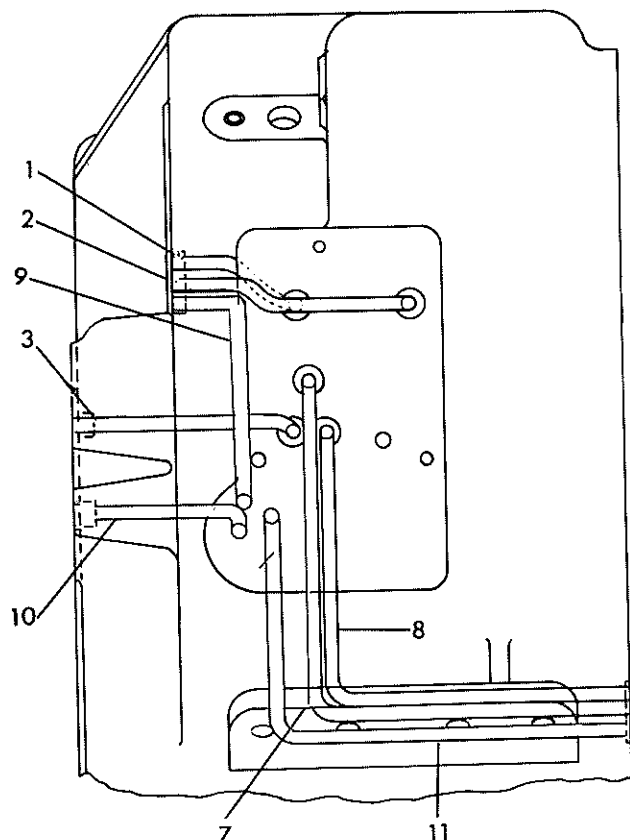
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH ASSEMBLY, FORWARD AND REVERSE — Continued (P-600) (S/N 01201 thru 03422 and 03715 and Up)					
15	894 850 C1	NUT, lock (A) (3) (Clutch B used w/PLATE, 129 529 H1) (6) (Clutch B used w/PLATE, 923 330 C1) (6)			
15A	125 553 H1	NUT, lock (Clutch B used w/PLATE, 923 330 C1) (6)			
16		BUSHING (Not serviced separately) (4)			
17	159 655 H3	GEAR w/two BUSHING - 21T Rev.			
18	150 433 H1	WASHER (2)			
19	150 430 H1	SPACER, sleeve			
20	ST-3000	BEARING, ball			
21	698 553 R1	RING, retaining (3)			
22	125 552 H1	BOLT (A) (3)			
22	885 168 C1	STUD (Clutch B used w/PLATE, 129 529 H1) (3) (Clutch B used w/PLATE, 923 330 C1) (6)			
23	125 536 H3	GEAR w/two BUSHING - 26T, Forward			
24	ST-243	BEARING, ball			

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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MAIN HOUSING AND TUBE ASSEMBLY



CE-102915

160 000 H3	HOUSING, main
	07322 and below
	(Order the following parts -
1	BOLT 138 304
1	BOLT 179 877
1	HOUSING 922 326 C91
1	"O" RING 370 920 R1
1	SHAFT 922 536 C1
1	WASHER 396 323 R1)

922 326 C91	HOUSING, main
	07323 and up
	(Consists of the following parts -

1	125 511 H1	TUBE, forward
2	125 512 H1	TUBE, reverse
3	125 513 H1	TUBE, first
4	146 898 H1	WASHER, seal (16)
5	355 967 R1	"O" RING (16)
6	125 509 H1	BUSHING (16)
7	125 517 H1	TUBE, second
8	125 518 H1	TUBE, third
9	125 515 H1	TUBE, forward and reverse lubrication
10	125 514 H1	TUBE, first lubrication
11	125 516 H1	TUBE, second and third lubrication
445 684		PLUG, 1/8" pipe

TRANSMISSION

MEMORANDA



TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-601) (S/N 03423 thru 03741)			28	220 486 H1	BEARING, inner race (2)
	875 318 C91	TRANSMISSION ASSEMBLY	29	929 228 C91	GEAR ASSY., 30T (Replaces 876 552 C91)
1	179 839	SCREW, 3/8 x 1"NC cap (6)	29A	350 500 R91	BEARING, outer race (Used w/GEAR, 212 078 H1 (2) (Used w/GEAR, 929 211 C1 (1))
2	103 321	WASHER, 3/8" lock (6)	29B	928 958 C91	BEARING, outer race (Use with GEAR, 929 211 C1)
3	116 610 H1	CAP, countershaft	30	468 337 R1	RING, retaining (2)
4	116 611 H1	GASKET, cap (%)	30A	212 078 H1	GEAR, reverse idler (Order GEAR, 929 211 C1 and BEARING, 925 958 C91)
5	15 210 D	SCREW, 3/8 x 3/4"NC cap (2)	30A	939 211 C1	GEAR, reverse idler (Used with ASSY., 929 228 C91)
6		WIRE, locking (16 ga. x 7" long) (Cut from bulk WIRE, 278 027 R1)	31	19 904 R1	DOWEL (2)
7	116 623 H1	WASHER, retaining	32	125 566 H1	RING, retaining
8	ST-296	BEARING, ball	33	ST-297	BEARING, ball
9	215 617 R1	NUT	34	238 604 R1	RING, retaining
10	103 348	WASHER, flat	35	197 228 H1	BEARING, thrust
11	179 839	SCREW, 3/8 x 1"NC cap (6)	36	675 705 R1	RACE, thrust (2)
12	103 321	WASHER, 3/8" lock (6)	37	445 096	PLUG, 7/8"-18 filler
13	104 705 H1	SEAL (@)	38	114 851 H1	WASHER
14	116 608 H1	CAP, shaft, input	39	152 127 H1	BREATHER
14A	199 156 H1	CAP ASSEMBLY w/CAP, 116 608 H1 and SEAL, 104 705 H1	40	923 081 C2 922 985 C1	STRAINER, sump SHROUD, strainer
15	116 609 H1	GASKET, cap (%)	41	129 570 H1	GASKET, cover (%) (2)
16	152 125 H1	BENT TUBE, 3rd gear	42	222 164 H1	RETAINER STRAINER
17	143 052 H1	BENT TUBE, 2nd gear	43	179 839	WASHER, lock (4)
18	129 553 H1	ADAPTER, straight (3)	44	103 321	SCREW, cap (4)
19	143 053 H1	COVER, transmission	45	140 734 H1	MANIFOLD ASSEMBLY (Order MANIFOLD, 922 446 C91 and PLUG, 922 445 C1)
20	125 524 H1	GASKET (%)	45	922 446 C91	MANIFOLD ASSEMBLY (Together with PLUG, 922 445 C1, will work for MANIFOLD, 140 734 H1)
21	125 563 H1	GEAR, 55T spur		179 848 125 003 H1	BOLT, 3/8"NC x 2-1/4" WASHER, sealing
22		CLUTCH ASSEMBLY (Refer to "Clutch Assembly, Forward and Reverse - P-601")	45A	129 565 H1	MANIFOLD
23	125 564 H1	SPACER, sleeve			
24	129 509 H1	RING, seal (3)			
25	159 658 H1	GEAR, reverse driven			
26	190 994 H1	SHAFT ASSY., upper counter			
26A	190 919 H1	SHAFT			
27	222 445 H1	SPACER			

% - Part of GASKET KIT, 142 895 H1.
@ - Part of SEAL KIT, 142 899 H1.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-601) (S/N 03423 thru 03741)			67	179 848	SCREW, 3/8"NC x 2-1/4" cap
			68	103 321	WASHER, 3/8" lock (7)
46	127 302 H1	ADAPTER, straight, pipe to tube (Use w/MANIFOLD ASSY., 140 734 H1) (2)	69	179 481	SCREW, 3/8"NC x 1-1/4" cap (7)
47	137 572 H1	TUBE, manifold to housing (Use w/MANIFOLD ASSY., 140 734 H1)	70	707 253 R1	"O" RING (x) (&)
48	293 726 R1	"O" RING	71	212 063 H1	SHAFT, idler gear (With no tapped holes)
49	130 549 H1	MANIFOLD and TUBE	71	922 536 C1	SHAFT, idler gear (With two tapped holes)
50	130 548 H1	TUBE		179 877	SCREW, 1/2"NC x 5/8" hex-hd (Use with SHAFT, 922 536 C1)
52	159 199 H1	CAP ASSY.		138 304	SCREW, 1/2"NC x 5-1/2" hex- soc-hd (Use w/SHAFT, 922 536 C1)
52A	125 560 H1	CAP		370 920 R1	"O" RING (Use w/SHAFT, 922 536 C1)
53	444 854	PLUG, pipe (3)		396 323 R1	WASHER, 17/32"ID x 7/8"OD x 16 ga. (Use w/SHAFT, 922 536 C1)
54	125 003 H1	SEAL, dyna (Order four BOLT, 24 840 R1, BOLT, 24 842 R1 and BOLT, 24 621 R1) (x) (&) (6)	72	129 510 H1	HOUSING, clutch
55	179 848	BOLT, 3/8"NC x 2-1/4" (Used with Dyna Seal Washer) (Order BOLT, 24 621 R1)	73	125 523 H1	PLATE, lock
55	24 621 R1	BOLT, 3/8"NC x 2-1/4" (Will work for BOLT, 179 848 and SEAL, 125 003 H1)	74	15 210 D	SCREW, 3/8" x 3/4"NC cap (Use w/SHAFT, 212 063 H1) (2)
56	179 845	BOLT, 3/8"NC x 1-3/4" (Used with Dyna Seal Washer) (Order BOLT, 24 842 R1)	75		WIRE, locking (16 ga. x 7" long) (Cut from bulk WIRE, 278 027 R1) (Use w/SHAFT, 212 063 H1)
56	24 842 R1	BOLT, 3/8"NC x 1-3/4" (Will work for BOLT, 179 845 and SEAL, 125 003 H1)	76	327 063 R1	RING, retaining
57	179 839	BOLT, 3/8"NC x 1" (Used with Dyna Seal Washer) (Order four BOLT, 24 840 R1) (4)	77	187 071 H1	BEARING, roller
57	24 840 R1	BOLT, 3/8"NC x 1" (Will work for BOLT, 179 839 and SEAL, 125 003 H1) (4)	78	103 321	WASHER, 3/8" lock (6)
58	299 489 R91	BEARING, roller	79	134 152 H1	PLUNGER
59	129 509 H1	RING, seal (2)	80	130 553 H1	SPRING
60	16 066 R1	WASHER, lock	81	137 551 H1	PLUG (Used w/MANIFOLD, 140 734 H1)
61	129 508 H2	SCREW, cap	81	922 445 C1	PLUG (Used w/MANIFOLD, 922 446 C91)
62	355 966 R1	"O" RING (x) (&) (4)	82	179 847	SCREW, 3/8 x 2"NC cap (6)
63	129 513 H1 156 947 H1	GASKET (%) COVER ASSEMBLY (Includes Items 58, 64 and 65)	83	129 548 H1	GASKET (%)
64		COVER, gear, 1st	84		CLUTCH ASSEMBLY, 1st gear (See "Clutch Assembly, 1st Gear - P-601" in this section)
65	444 854	PLUG, pipe (2)	85	129 549 H1	CAP, bearing ret.
66	103 321	WASHER, 3/8" lock	86	114 851 H1	WASHER
			87	445 686	PLUG, 3/8"
			88		NOT USED

% - Part of GASKET KIT, 142 895 H1.
x - Part of "O" RING KIT, 142 897 H2.
& - Part of "O" RING KIT, 187 452 H1.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-601) (S/N 03423 thru 03714)			108	116 148 H1	SCREW, lock
89	179 839	BOLT, (Used with Dyna Seal Washer) (Order five BOLT, 24 840 R1) (5)	109	120 268 H1	FORK, rail
89	24 840 R1	BOLT (Will work for BOLT, 179 839 and SEAL, 125 003 H1) (5)	110	120 275 H1	GASKET (%)
90	125 003 H1	SEAL, dyna (Order five BOLT, 24 840 R1) (5)	111	120 267 H1	RAIL, shifting
91	215 617 R1	NUT	112	116 596 H1	SEAL (@)
92	137 974 H1	WASHER, flat	113	103 321	WASHER, 3/8" lock (4)
	199 157 H1	ADAPTER ASSEMBLY (Includes Items 93 and 96)	114	179 838	SCREW, 3/8 x 7/8" NC cap (4)
93	921 015C1	SEAL (@) (&)	115	159 210 H1	HOUSING, shifter
94	179 885	BOLT, (Used with Dyna Seal Washer) (Order five BOLT, 24 862 R1) (5)	116	116 593 H1	SETSCREW
94	24 862 R1	BOLT (Will work for BOLT, 179 885 and SEAL, 299 496 R1) (5)	117	116 640 H1	SPRING
95	299 496 R1	SEAL, dyna (Order five BOLT, 24 862 R1) (5)	118	9 915 T	BEARING, ball
96	137 663 H1	ADAPTER, brake	119	172 548	PLUG, 1-1/8" expansion
96A	137 660 H1	DOWEL	120	112 080 H1	NIPPLE, half
97	129 560 H1	GASKET, adapter (%)	121	159 208 H2	CAP and DIPSTICK
98	300 026 R1	RING, retaining	122	352 221 R1	"O" RING (x) (&) (3)
99	ST-405	BEARING, ball	123		PLATE, identification
100	169 320 H1	PLUG	124	123 250 H1	SCREW, drive, plate (2)
101	114 851 H1	WASHER, flat	125	159 045 H1	GEAR, 32T
102	129 559 H1	SPACER	126	125 566 H1	RING, retaining
103		HOUSING and TUBE ASSEMBLY (Refer to "Main Housing and Trade Assembly")	127	156 960 H1	SHAFT, output
104	121 508 H1	PLUG, magnetic	128		NOT USED
105	114 851 H1	WASHER, flat	129	300 048 R1	RING, retaining (2)
106	116 594 H1	DOWEL (2)	130		NOT USED
		AXLE THROWOUT ASSEMBLY (Includes Items 107 thru 109, 111, 112 and 115 thru 119)	131		CLUTCH ASSEMBLY, 2nd and 3rd Gear (See "Clutch Assembly, 2nd and 3rd Gear - P-601" in this section)
107		WIRE, locking (16 ga. x 7" long) (Cut from bulk WIRE, 278 027 R1)	132	ST-219A	BEARING, ball
			133		NOT USED
			134	156 968 H1	CLUTCH, sliding sleeve
			135	103 321	WASHER, 3/8" lock (19)

% - Part of GASKET KIT, 142 895 H1.
 @ - Part of SEAL KIT, 142 899 H1.
 x - Part of "O" RING KIT, 142 897 H2.
 & - Part of "O" RING KIT, 187 452 H1.

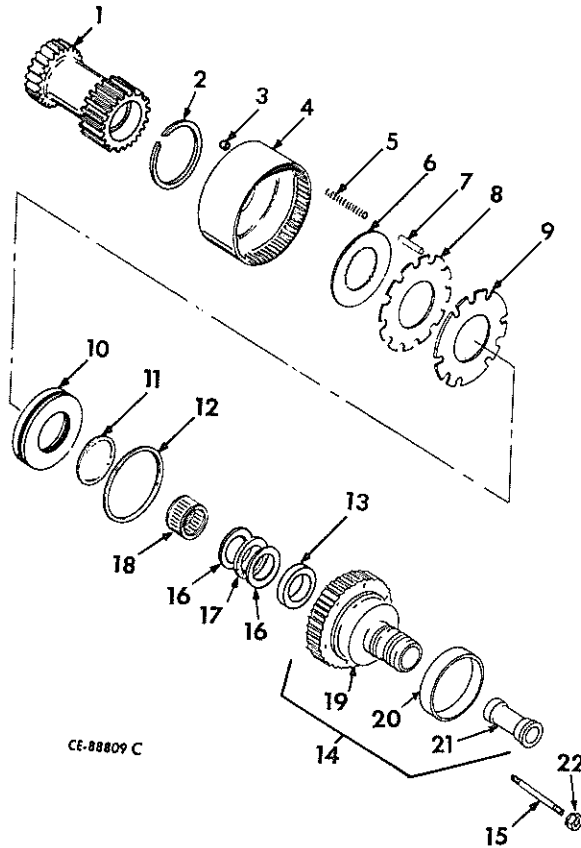
TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION — Continued (P-601) (S/N 03423 thru 03714)					
136	179 481	SCREW, 3/8 x 1-1/4"NC cap (19)			
137	560 042 R91	BEARING, roller			
138	129 509 H1	RING, seal (3)			
139	103 321	WASHER, 3/8" lock (2)			
140	143 049 H1	SCREW, cap (2)			
	139 511 H1	CAP ASSEMBLY (Includes Items 141, 145 and 151)			
141	129 553 H1	ADAPTER, straight, pipe to tube			
142	143 051 H1	TUBE, second and third lube			
143	120 248 H1	GASKET (%)			
144	120 243 H1	GASKET (%)			
145	876 553 C91 444 854 220 497 H1	CAP and PLUG ASSEMBLY PLUG, pipe (2) CAP, oil supply			
146	103 321	WASHER, 3/8" lock (6)			
147	179 838	SCREW, 3/8 x 1"NC cap (6)			
148		SHAFT ASSEMBLY, rear output (See "Shaft Assembly, Rear Output" in this section)			
149	103 321	WASHER, 3/8" lock (6)			
150	179 839	SCREW, 3/8 x 1"NC cap (6)			
151	129 554 H1	ELBOW, pipe to tube (2)			
152		NOT USED			
153		BRAKE, parking (See "Parking Brake" in this section)			
	156 947 H1	FIRST GEAR COVER ASSEMBLY (Includes Items 58 thru 60)			
	103 883	PLUG, 1/8" pipe (At hydraulic gauge port)			

% - Also part of GASKET KIT, 142 895 H1.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH ASSEMBLY (P-601) (First Gear) (S/N 03423 thru 03714)			6	886 934 C1	PLATE, driven (Bronze) (15)
			7	129 503 H1	PIN, spring guide (6)
			8	893 515 C1	PLATE, driving (Steel) (14)
			9	223 004 H1	PLATE, spring retaining (Three stud clutch assy.)
			9	923 328 C1	PLATE, spring retaining (Six stud clutch assy.)
			10	875 049 C1	PISTON
			11	133 601 H1	RING, seal
			12	133 600 H1	RING, seal
			13	220 524 H1	SPACER, 9/16" thick
			13	921 269 C1	SPACER, 1/2" thick
			14	189 329 H3	CYLINDER ASSY.
			15	220 865 H1	STUD, clutch drive (Used w/PLATE, 223 004 H1) (3) (Used w/PLATE, 923 328 C1) (6)
			16	197 229 H1	RACE, thrust (1/32" thick) (2)
			16	675 705 R1	RACE, thrust (1/16" thick) (2)
			17	197 228 H1	BEARING, thrust
			18	197 246 H1	BEARING, caged roller
			19	189 327 H3	CYLINDER
			20	189 328 H1	RACE, inner bearing
			21	188 628 H3	SLEEVE
			22	894 850 C1	NUT, lock (Used w/PLATE, 223 004 H1) (3) (Used w/PLATE, 923 328 C1) (6)



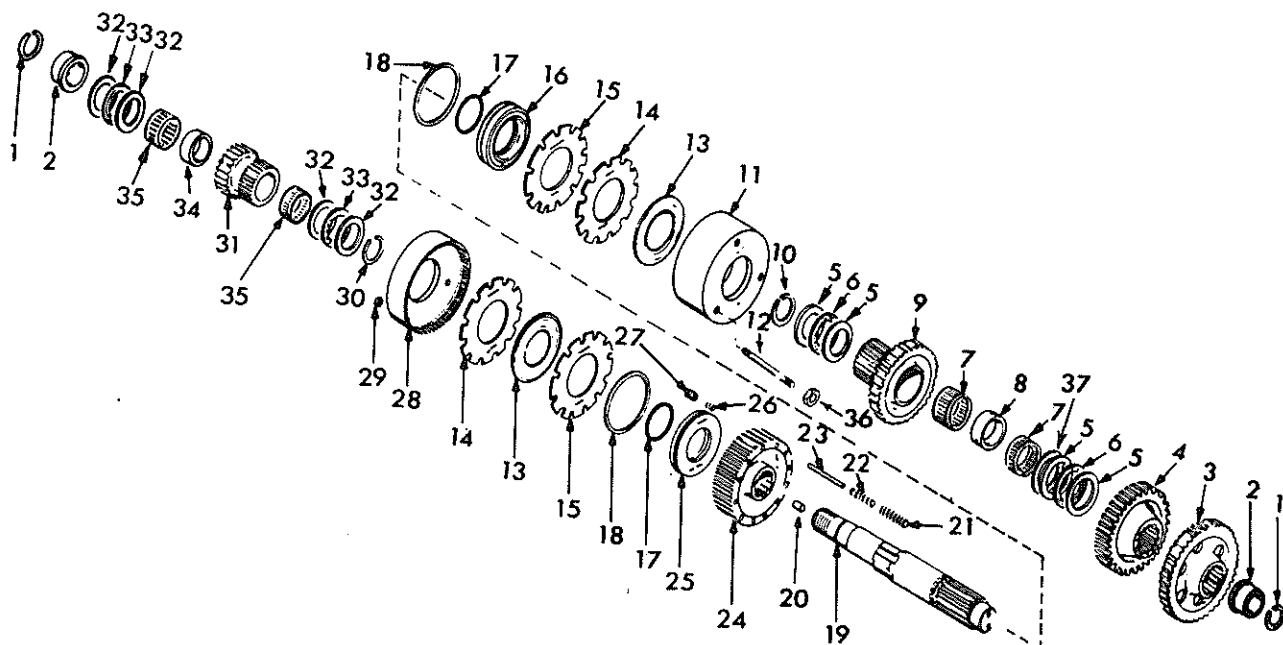
220 498 H5 CLUTCH ASSEMBLY, first gear
(Consists of the following parts -

1	219 187 H1	GEAR, first (7-5/64" length) (Order the following parts - 1 GEAR 921 279 C1 2 RACE 675 705 R1 1 SPACER 921 269 C1)
1	921 279 C1	GEAR, first (7-1/64" length)
2	222 444 H1	RING, retaining
3	125 553 H1	NUT, lock (Used w/PLATE, 223 004 H1) (3) (Used w/PLATE, 923 328 C1) (6)
4	220 491 H2	PLATE, backing
5	129 504 H1	SPRING (6)

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CLUTCH ASSEMBLY (P-601) (Second and Third Gear) (S/N 03423 thru 03714)



	875 317 C96	CLUTCH ASSEMBLY, second and third gear) (Consists of the following parts -	11	927 821 C1	PLATE, backing, second (3 stud holes)
1	287 049 R1	RING, retaining (2)	11	220 048 H3	PLATE, backing, second (6 stud holes)
2	222 626 H1	BEARING, inner race (2)	12	220 866 H1	STUD (Used w/PLATE, 927 820 C1) (3) (Used w/PLATE, 220 488 H3) (6)
3	219 180 H1	GEAR, 1st, driven	13	886 934 C1	PLATE, driven (Bronze) (13) 2nd Gear (6) 3rd Gear
4	875 316 C1	GEAR, output driving	14	893 515 C1	PLATE, driving (Steel) (12) 2nd Gear (5) 3rd Gear
5	219 221 H1	RACE, thrust (1/32" thick) (4)	15	215 737 H1	PLATE, spring retaining (Three stud clutch assembly) (2)
5	921 271 C1	RACE, thrust (3/32" thick) (4)	15	923 327 C1	PLATE, spring retaining (Six stud clutch assembly) (2)
6	219 220 H1	BEARING, thrust (2)	16	875 050 C1	PISTON, second
7	216 933 H1	BEARING, caged roller (2)	17	133 601 H1	RING, seal (2)
8	220 481 H1	SPACER, second (13/16" thick)	18	133 600 H1	RING, seal (2)
8	921 268 C1	SPACER, second (9/16" thick)	19	219 184 H1	SHAFT
9	219 188 H2	GEAR, second, driving (3-29/32" thick) (Order the following parts - 1 GEAR 921 277 C2 4 RACE 921 271 C1 1 SPACER 921 268 C1)	20	125 534 H1	DOWEL (2)
9	921 277 C2	GEAR, second, driving (4" thick)			
10	233 042 R1	RING, retaining			

TRANSMISSION

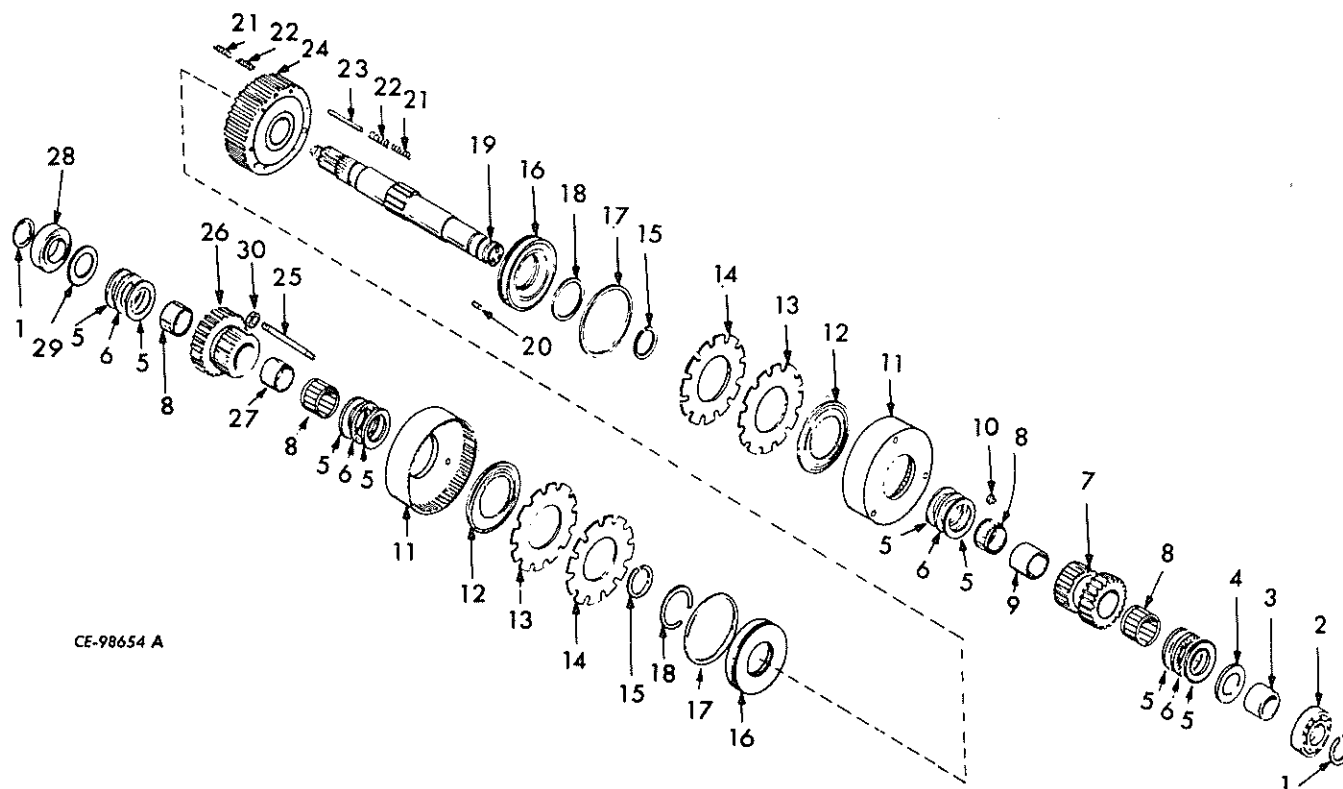
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH ASSEMBLY (P-601) — Continued (Second and Third Gear) (S/N 03423 thru 03714)			37	219 221 H1	RACE, thrust (Used w/RACE, 921 271 C1) (x)
21	129 536 H1	SPRING, second (Used w/PLATE, 927 820 C1) (9) (Used w/PLATE, 220 488 H3) (6)			
22	129 537 H1	SPRING, second (Used w/PLATE, 927 820 C1) (9) (Used w/PLATE, 220 488 H3) (6)			
23	220 477 H1	PIN, spring guide (Used w/PLATE, 927 820 C1) (9) (Used w/PLATE, 220 488 H3) (6)			
24	927 866 C1	CYLINDER (3 stud holes)			
24	156 938 H3	CYLINDER (6 stud holes)			
25	875 051 C1	PISTON, third			
26	129 532 H1	SPRING, third (Used w/PLATE, 927 820 C1) (9) (Used w/PLATE, 220 488 H3) (6)			
27	129 531 H1	SPRING, third (Used w/PLATE, 927 820 C1) (9) (Used w/PLATE, 220 488 H3) (6)			
28	927 820 C1	PLATE, backing, third (3 stud holes)			
28	220 488 H3	PLATE, backing, third (6 stud holes)			
29	125 553 H1	NUT, lock (Used w/PLATE, 927 820 C1) (3) (Used w/PLATE, 220 488 H3) (6)			
30	644 771 R1	RING, retaining			
31	219 183 H2	GEAR, 3rd, driving (2-29/32" thick) (Order the following parts - 1 GEAR 921 278 C1 4 RACE 921 272 C1 1 SPACER 921 275 C1)			
31	921 278 C1	GEAR, 3rd, driving (2-27/32" thick)			
32	612 685 R1	RACE, thrust (1/32" thick) (4)			
32	921 272 C1	RACE, thrust (1/16" thick) (4)			
33	374 011 R91	BEARING, thrust (2)			
34	220 482 H1	SPACER, 3rd (11/16" thick)			
34	921 275 C1	SPACER, 3rd (9/16" thick)			
35	610 766 C91	BEARING, caged roller (2)			
36	894 850 C1	NUT, lock (Used w/PLATE, 927 820 C1) (3) (Used w/PLATE, 220 488 H3) (6)			

(x) - As Required.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CLUTCH ASSEMBLY (P-601) (Forward and Reverse Gear) (S/N 03423 thru 03714)



	220 500 H7	CLUTCH ASSEMBLY, forward and reverse (Consists of the following parts -	9	220 484 H2	SPACER (1-33/64" thick)
			9	921 273 C1	SPACER (1-25/64" thick)
1	698 553 R1	RING, retaining (2)	10	894 850 C1	NUT, lock (Used w/PLATE, 215 737 H1) (3) (Used w/PLATE, 923 327 C1) (6)
2	ST-3000	BEARING	11	220 489 H3	PLATE, backing (2)
3	150 430 H1	SPACER	12	886 934 C1	PLATE, driven (Bronze) (9) Forward Gear (9) Reverse Gear
4	220 480 H1	SPACER (2)	13	893 515 C1	PLATE, driving (Steel) (Without rubber bumpers) (8) Forward Gear (8) Reverse Gear
5	197 229 H1	RACE, thrust (1/32" thick) (8)	13	892 887 C1	PLATE, driving (Steel) (With six rubber bumpers) (8) Forward Gear (8) Reverse Gear
5	675 705 R1	RACE, thrust (1/16" thick) (8)			
6	197 228 H1	BEARING, thrust (4)			
7	219 186 H2	GEAR, reverse drive (3-49/64" thick) (Order the following parts - 1 GEAR 921 276 C1 4 RACE 675 705 R1 1 SPACER 921 273 C1)			
7	921 276 C1	GEAR, reverse drive (3-45/64" thick)	14	215 737 H1	PLATE, spring retaining (Three stud clutch assy.) (2)
8	197 246 H1	BEARING, caged roller (4)			

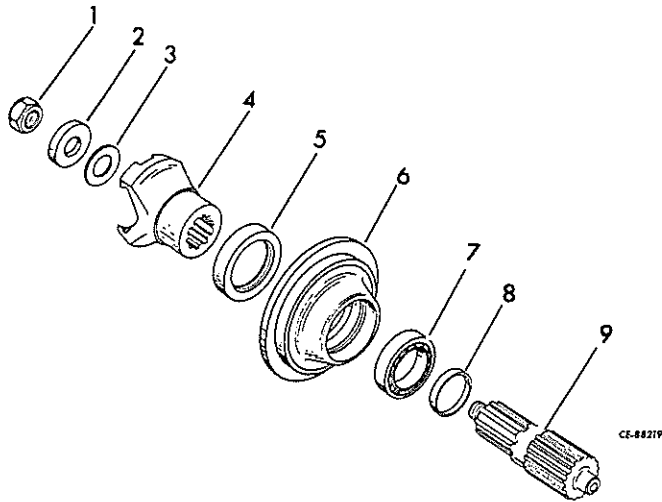
TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CLUTCH ASSEMBLY (P-601) - Continued (Forward and Reverse Gear) (S/N 03423 thru 03714)					
14	923 327 C1	PLATE, spring retaining (Six stud Clutch Assy.) (2)			
15	156 970 H1	RING, retaining (2)			
16	875 051 C1	PISTON (2)			
17	133 600 H1	RING, seal (2)			
18	133 601 H1	RING, seal (2)			
19	157 178 H4	SHAFT, input			
20	125 534 H1	DOWEL (2)			
21	125 549 H1	SPRING (12)			
22	125 548 H1	SPRING (12)			
23	220 478 H1	PIN, spring guide (6)			
24	157 180 H3	CYLINDER			
25	220 864 H1	STUD, clutch drive (Used w/PLATE, 215 737 H1) (3) (Used w/PLATE, 923 327 C1) (6)			
26	219 185 H2	GEAR, forward drive (Used with SPACER, 220 483 H2) (Order the following parts - 1 GEAR 921 280 C1 4 RACE 675 705 R1 1 SPACER 921 274 C1)			
26	921 280 C1	GEAR, forward drive (Used with SPACER, 921 273 C1)			
27	220 483 H2	SPACER (13/16" thick)			
27	921 274 C1	SPACER (11/16" thick)			
28	894 805 C91	BEARING (Together with RETAINING RING, 125 573 H1, will work for BALL BEARING, ST-243)			
29	894 806 C1	SPACER			
30	125 553 H1	NUT, lock (Used w/PLATE, 215 737 H1) (3) (Used w/PLATE, 923 327 C1) (6)			

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SHAFT ASSEMBLY, REAR OUTPUT

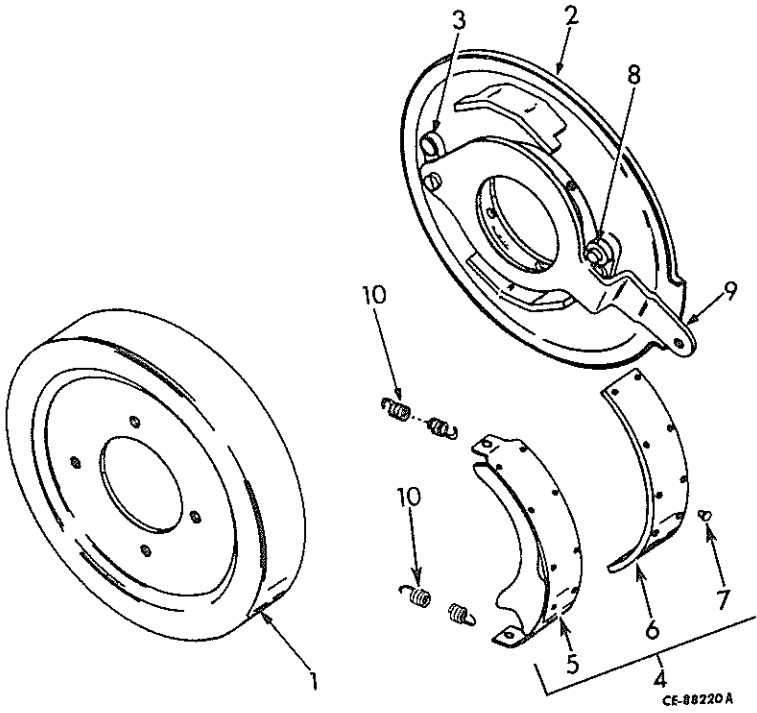


157 198 H1 REAR OUTPUT SHAFT ASSEMBLY (Includes Items 1 thru 9)

1	215 617 R1	NUT
2	106 270	WASHER
3	202 965 H1	WASHER
4	151 802 H1	YOKE
5	118 086 H1	OIL SEAL (@)
6	157 201 H1	CAP
7	205 368 R91	BEARING
8	156 969 H1	SPACER
9	156 964 H1	SHAFT, output

(@) - Also part of SEAL KIT, 142 899 H1.

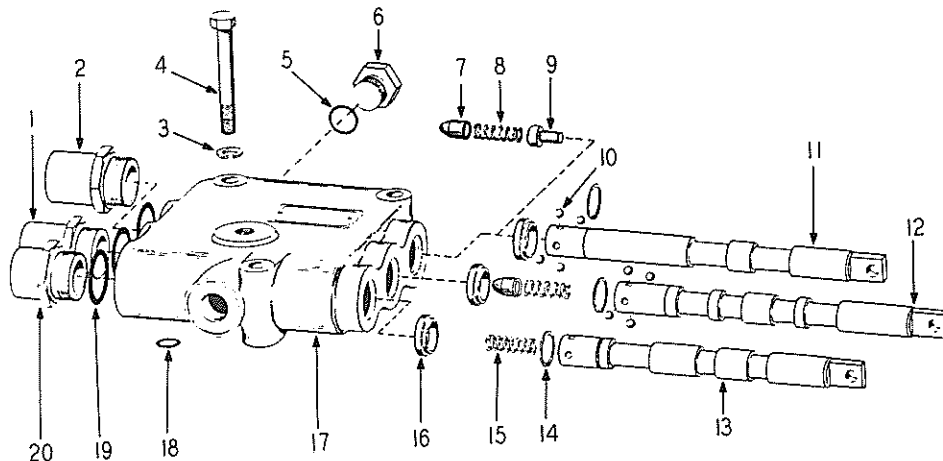
TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
PARKING BRAKE					
					
	130 536 H1	BRAKE ASSY., parking (Consists of the following parts -	10	165 821 R1	SPRING (2)
1	130 539 H1	DRUM, brake	141 183 H1	PLATE ASSY., brake (Composed of -	
2	139 035 H1	PLATE, w/two PAWLS and two RIVETS	1	LEVER	165 822 R1
	179 838	SCREW, 3/8"NC x 7/8" hex-hd (4)	1	PLATE	139 035 H1
	103 321	WASHER, 3/8" lock (4)	1	ROLLER	165 823 R1
3	165 816 R1	PAWL (2)	2	SHOE & LINING	139 037 H1
	138 106 R1	RIVET (2)	2	SPRING	165 821 R1)
4	139 037 H1	SHOE & LINING ASSY. (2)	161 643 H1	KIT, brake lining (Consists of two LINING and twenty RIVETS)	
5		SHOE (Not furnished separately)			
6		LINING (Not furnished separately)			
7		RIVET (Not furnished separately)			
8	165 823 R1	ROLLER			
9	165 822 R1	LEVER			

TRANSMISSION

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



CE-89292

	144 416 H1	TRANSMISSION CONTROL VALVE (Includes Items 1, 2, 5 thru 17, 19 and 20)	11		PLUNGER, speed change (Order 144 416 H1 Valve)
1	144 633 H1	PLUG, detent, forward and reverse	12		PLUNGER, forward and reverse (Order 144 416 H1 Valve)
2	144 634 H1	PLUG, detent, speed range	13		PLUNGER, brake (Order 144 416 H1 Valve)
3	103 321	WASHER, 3/8" lock (3)	14	135 366 H1	RING, retaining (3)
4	179 850	SCREW, 3/8 x 2-3/4"NC cap (3)	15	139 389 H1	SPRING, plunger
5	570 828 R1	"O" RING (x) (+)	16	310 796 R1	SEAL, oil (&) (@) (3)
6	9 410 359	PLUG, pipe	17		HOUSING, valve (Not furnished separately)
7	144 635 H1	CAM, detent (2)	18	355 966 R1	"O" RING (6)
8	119 183 H1	SPRING, detent (2)	19	350 818 R1	"O" RING (x) (+) (3)
9	136 363 H1	PLUG, 5/16"NC x 11/16" soc-hex-hd plunger	20	139 573 H1	PLUG, detent, brake
9	927 977 C1	PLUG, 3/8"NF x 13/16" slt-f-hd., plunger			
10	16 010 R1	BALL, 5/16" dia. (8)			

(x) - Also part of "O" RING KIT, 142 897 H2.
 (+) - Also part of "O" RING KIT, 187 452 H1.
 (@) - Also part of SEAL KIT, 142 899 H1.
 (&) - Also part of SEAL KIT, 187 478 H1.

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION SERVICE KIT					
218 240 H1	KIT, gasket, seal and "O" ring (Front or Rear Wheel Drive only) (Consists of GASKET KIT, 142 895 H1, SEAL KIT, 187 452 H1 and "O" RING KIT, 142 899 H1) (AR)		187 452 H1	KIT, "O" ring (Front or Rear Wheel Drive only) (*) (Consists of -	
142 895 H2	KIT, gasket (Front, Rear, or 4-Wheel Drive) (*) (Consists of -		16	"O" RING	355 967 R1
	1 GASKET	125 524 H1	16	"O" RING	146 898 H1
	1 GASKET	116 609 H1	1	"O" RING	707 253 R1
	1 GASKET	116 611 H1	3	"O" RING	352 221 R1
	1 GASKET	129 513 H1	5	"O" RING	133 600 H1
	1 GASKET	120 243 H1	5	"O" RING	133 601 H1
	1 GASKET	129 548 H1	13	"O" RING	355 966 H1
	1 GASKET	120 248 H1	12	"O" RING	125 003 H1
	1 GASKET	129 560 H1	5	"O" RING	299 496 R1
	1 GASKET	120 275 H1	1	"O" RING	293 726 R1
	4 GASKET	129 570 H1	1	"O" RING	570 828 R1
	1 GASKET	130 044 H1	1	"O" RING	350 818 R1
	1 GASKET	928 466 C1	1	"O" RING	368 269 R1
			1	"O" RING	359 158 R1
			1	"O" RING	254 691 R1
142 899 H1	KIT, seal (Front, Rear or 4-Wheel Drive) (*) (Consists of -				
	1 SEAL	104 705 H1			
	1 SEAL	880 605 C91			
	1 SEAL	130 534 H1			
	1 SEAL	116 596 H1			
	3 SEAL	310 796 R1			
142 897 H3	KIT, "O" ring (4-Wheel Drive only) (Consists of -				
	16 "O" RING	355 967 R1			
	16 "O" RING	146 898 H1			
	1 "O" RING	707 253 H1			
	4 "O" RING	352 221 R1			
	5 "O" RING	133 600 H1			
	5 "O" RING	133 601 H1			
	13 "O" RING	355 966 R1			
	12 "O" RING	125 003 H1			
	5 "O" RING	299 496 R1			
	1 "O" RING	293 726 R1			
	1 "O" RING	570 828 R1			
	3 "O" RING	350 818 R1			
	3 "O" RING	368 269 R1			
	1 "O" RING	359 158 R1			
	1 "O" RING	254 691 R1			
	2 "O" RING	702 283 R1			
	2 "O" RING	461 173 R1			
	1 "O" RING	370 920 R1			
	6 "O" RING	379 181 R1			
	2 RING	922 911 C1			
	2 RING	922 912 C1			
	3 RING	923 198 C1			
	3 RING	923 199 C1			
187 478 H1	KIT, oil seal (Front or Rear Wheel Drive only) (Consists of -				
	1 SEAL	104 705 H1			
	1 SEAL	130 534 H1			
	3 SEAL	310 796 R1			

(*) - Also part of GASKET, SEAL and "O" RING KIT, 218 240 H1.

(AR) - As Required.



SECTION 5

DRIVE SHAFT

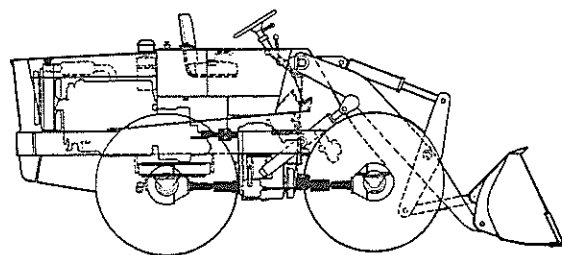
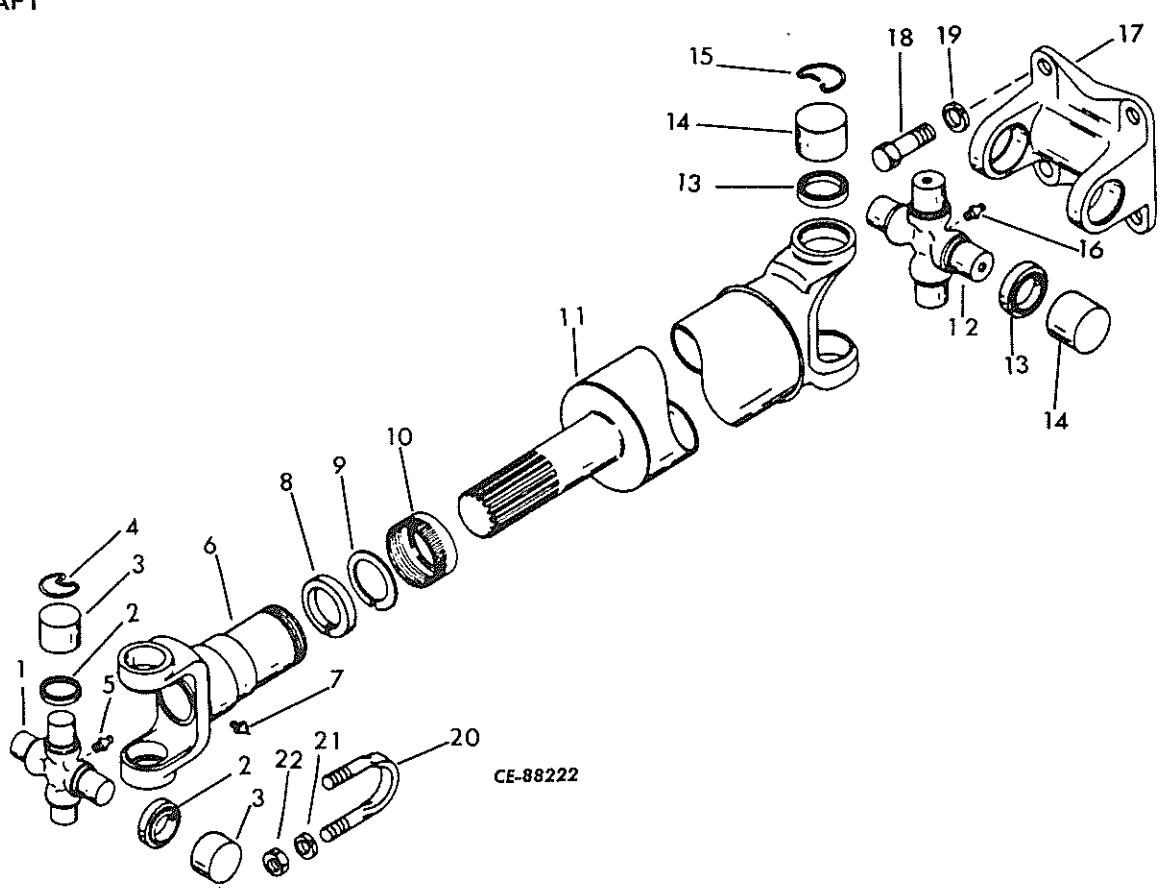


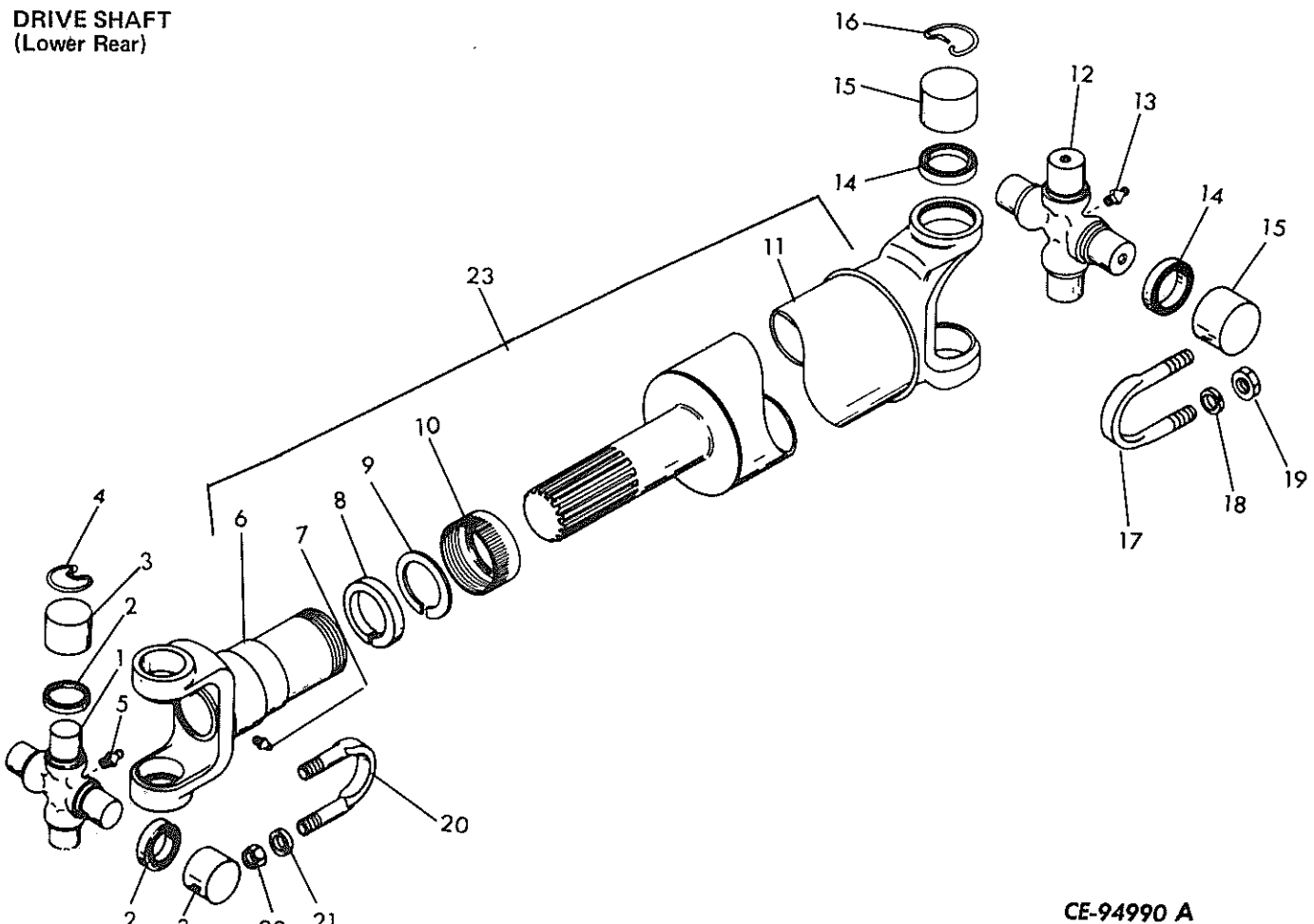
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SHAFT, UPPER REAR DRIVE	5-5

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DRIVE SHAFT (Front)					
					
162 432 H1		SHAFT, drive - front (Includes items 1 thru 16)	913 774 R91		JOURNAL and BEARING ASSY. (Includes Items 12 thru 16)
127 573 R91		JOURNAL and BEARING ASSEMBLY (Includes Items 1 thru 5)	12		SPIDER, "U" Joint (Order JOURNAL and BEARING ASSEMBLY, 913 774 R91)
1		SPIDER, "U" joint (Order JOURNAL and BEARING ASSY., 127 573 R91)	13	913 716 R1	GASKET (4)
2		GASKET (Order JOURNAL and BEARING ASSY., 127 573 R91) (4)	14		BEARING ASSY. (Order JOURNAL and BEARING ASSY., 913 774 R91) (4)
3		BEARING ASSEMBLY (Order JOURNAL and BEARING ASSY., 127 573 R91) (4)	15	913 713 R1	RING, retaining (4)
4	645 141 R1	RING, retaining (4)	16	109 454	FITTING, grease
5	109 454	FITTING, grease	17	158 031 H1	YOKE, "U" joint
6		YOKE, "U" joint (\$)	18	181 430	SCREW, 1/2 x 1-3/8" NF cap (4)
7	109 454	FITTING, grease	19	103 323	WASHER, 1/2" lock (4)
8	645 147 R1	WASHER	20	645 151 R1	BOLT, "U" (2)
9	645 148 R1	WASHER	21	103 321	WASHER, 3/8" lock (4)
10	645 146 R1	CAP, dust	22	103 026	NUT, 3/8" NF hex (4)
11		SHAFT, yoke (\$)			(\$) - Not furnished separately.

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DRIVE SHAFT (Lower Rear)					
					
			CE-94990 A		
162 433 H1	SHAFT, drive - rear (Includes items 1 thru 16)	11		SHAFT, yoke (\$)	
127 573 R91	JOURNAL and BEARING ASSEMBLY (Includes Items 1 thru 5)	913 774 R91	JOURNAL and BEARING ASSEMBLY (Includes items 12 thru 16)		
1	SPIDER, "U" joint (Order JOURNAL and BEARING ASSY, 127 573 R91)	12	SPIDER, "U" Joint (Order JOURNAL and BEARING ASSEMBLY, 913 774 R91)		
2	GASKET (Order JOURNAL and BEARING ASSY., 127 573 R91) (4)	13	109 454	FITTING, grease	
3	BEARING ASSEMBLY (Order JOURNAL and BEARING ASSY., 127 573 R91) (4)	14	913 716 R1	GASKET (4)	
4	645 141 R1	15		BEARING ASSEMBLY (Order JOURNAL and BEARING ASSEMBLY, 913 774 R91) (4)	
5	109 454	16	913 713 R1	RING, retaining (4)	
6	YOKE, "U" joint (\$)	17	204 138 R1	BOLT, "U" (Transmission end) (2)	
7	109 461	18	103 322	WASHER, 7/16" lock (Order NUT, 920 781 C1) (4)	
8	645 148 R1				
9	645 147 R1				
10	645 146 R1				
			(\$) - Not furnished separately.		

DRIVE SHAFT

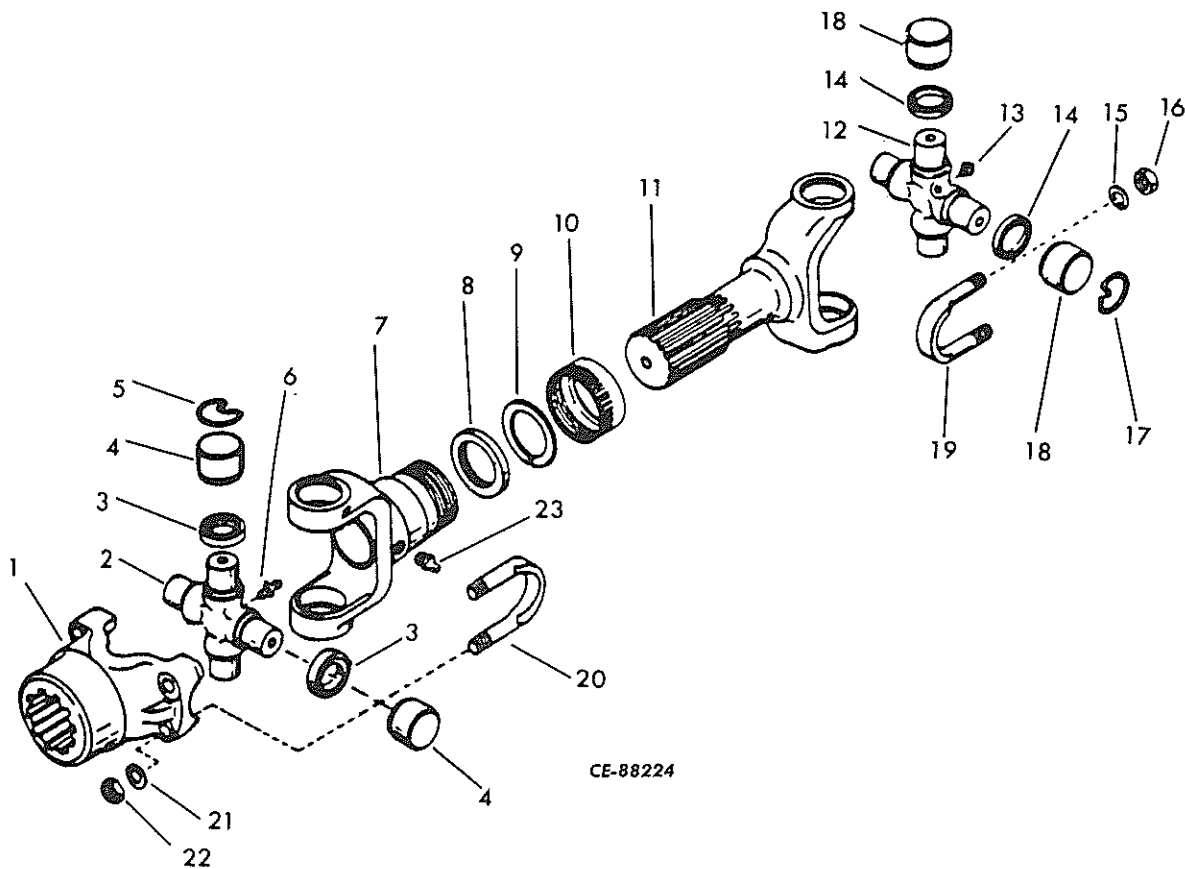
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DRIVE SHAFT — Continued (Lower Rear)					
19	271 505	NUT, 7/16"NF hex (Order NUT, 920 781 C1) (4)			
19	920 781 C1	NUT, double hex lock (Will work for WASHER, 103 322 and NUT, 271 505) (4)			
20	645 151 R1	BOLT, "U" (Axle end) (2)			
21	103 321	WASHER, 3/8" lock (4)			
22	103 026	NUT, 3/8"NF hex (4)			
23		YOKE and SHAFT ASSEMBLY (\$)			

(\$) - Not furnished separately.

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DRIVE SHAFT (Upper Rear)



CE-88224

	876 178 C91	SHAFT ASSY., drive (Torque Converter to Transmission) (Includes Items 2 thru 14, 17 and 18) (Detroit Diesel 3-53 only)	6	109 454	FITTING, grease
				154 089 H2	SLEEVE YOKE and SHAFT ASSY., (Includes Items 7 thru 11)
	876 180 C91	SHAFT ASSY., drive (Torque Converter to Transmission) (Includes Items 2 thru 14, 17 and 18) (G-263 and D-236 only)		186 706 H1	SLEEVE YOKE and SHAFT ASSY., (Detroit Diesel only) (Includes Items 7 thru 11 and 23)
1	151 797 H1	YOKE (Transmission input)	7		YOKE, "U" joint (\$)
	127 573 R91	JOURNAL and BEARING ASSY., (Includes Items 2 thru 6)	8	154 086 H1	WASHER
			9	645 148 R1	WASHER
2		SPIDER, joint (Order JOURNAL and BEARING ASSY., 127 573 R91)	10	645 146 R1	CAP, dust
3		GASKET (Order JOURNAL and BEARING ASSY., 127 573 R91) (4)	11		SHAFT, yoke (\$)
4		BEARING ASSEMBLY (Order JOURNAL and BEARING ASSY., 127 573 R91) (4)		127 573 R91	JOURNAL and BEARING ASSY. (Includes Items 12 thru 14, 17 and 18)
			12		SPIDER, "U" joint (Order JOURNAL and BEARING ASSY., 127 573 R91)
5	645 141 R1	RING, retaining (4)	13	109 454	FITTING, grease

(\$) - Not furnished separately.

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF: NO.	PART NUMBER	DESCRIPTION
DRIVE SHAFT — Continued (Upper Rear)					
14	154 083 H1	GASKET (4)			
15	103 321	WASHER, 3/8" lock (4)			
16	103 026	NUT, 3/8"NF hex (4)			
17	645 141 R1	RING, retaining (4)			
18		BEARING ASSEMBLY (Order JOURNAL and BEARING ASSY., 127 573 R91) (4)			
19	645 151 R1	BOLT, "U" (2)			
20	645 151 R1	BOLT, "U" (2)			
21	103 321	WASHER, 3/8" lock (4)			
22	103 026	NUT, 3/8"NF hex (4)			
23	109 461	FITTING, grease			

SECTION 6

SOLID AXLE

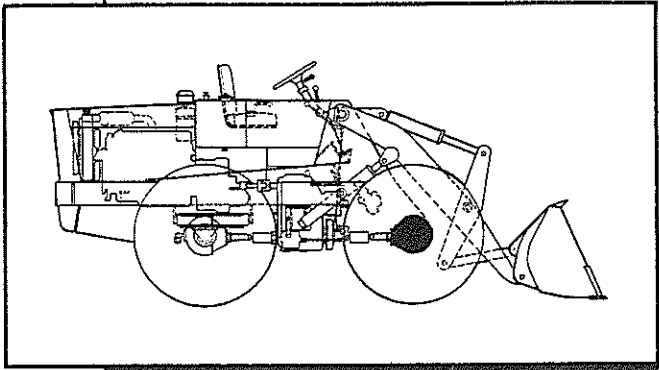


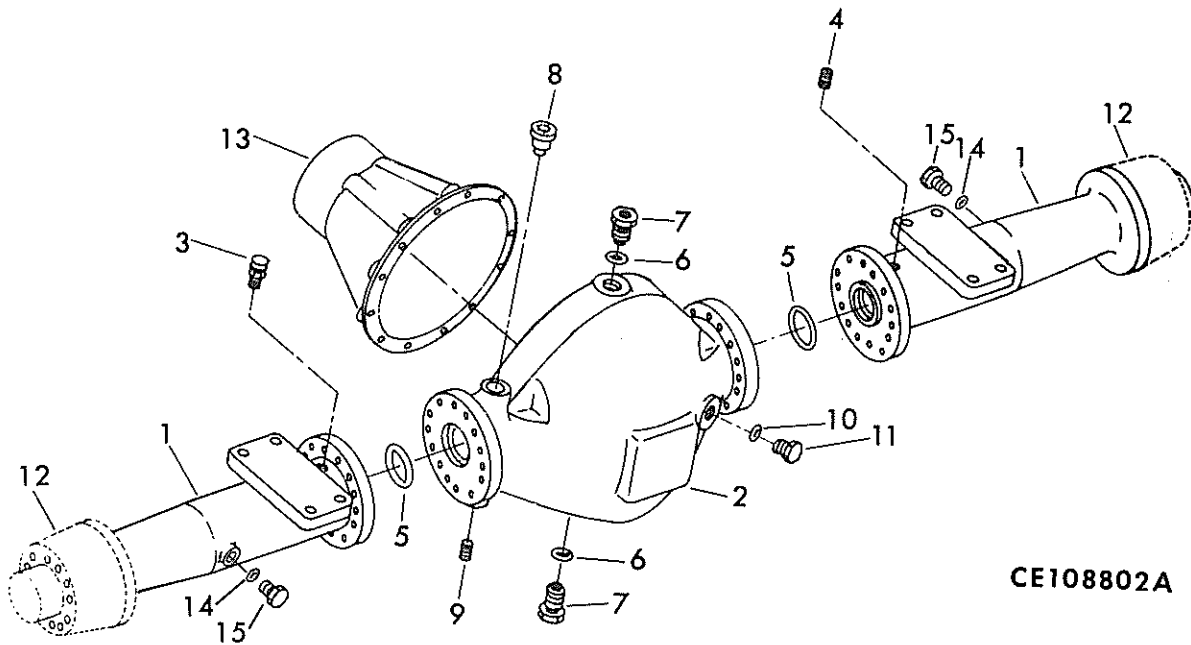
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DIFFERENTIAL ASSY	6-4
WHEEL & MOUNTING	6-10

SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AXLE ASSEMBLY DRIVING



CE108802A

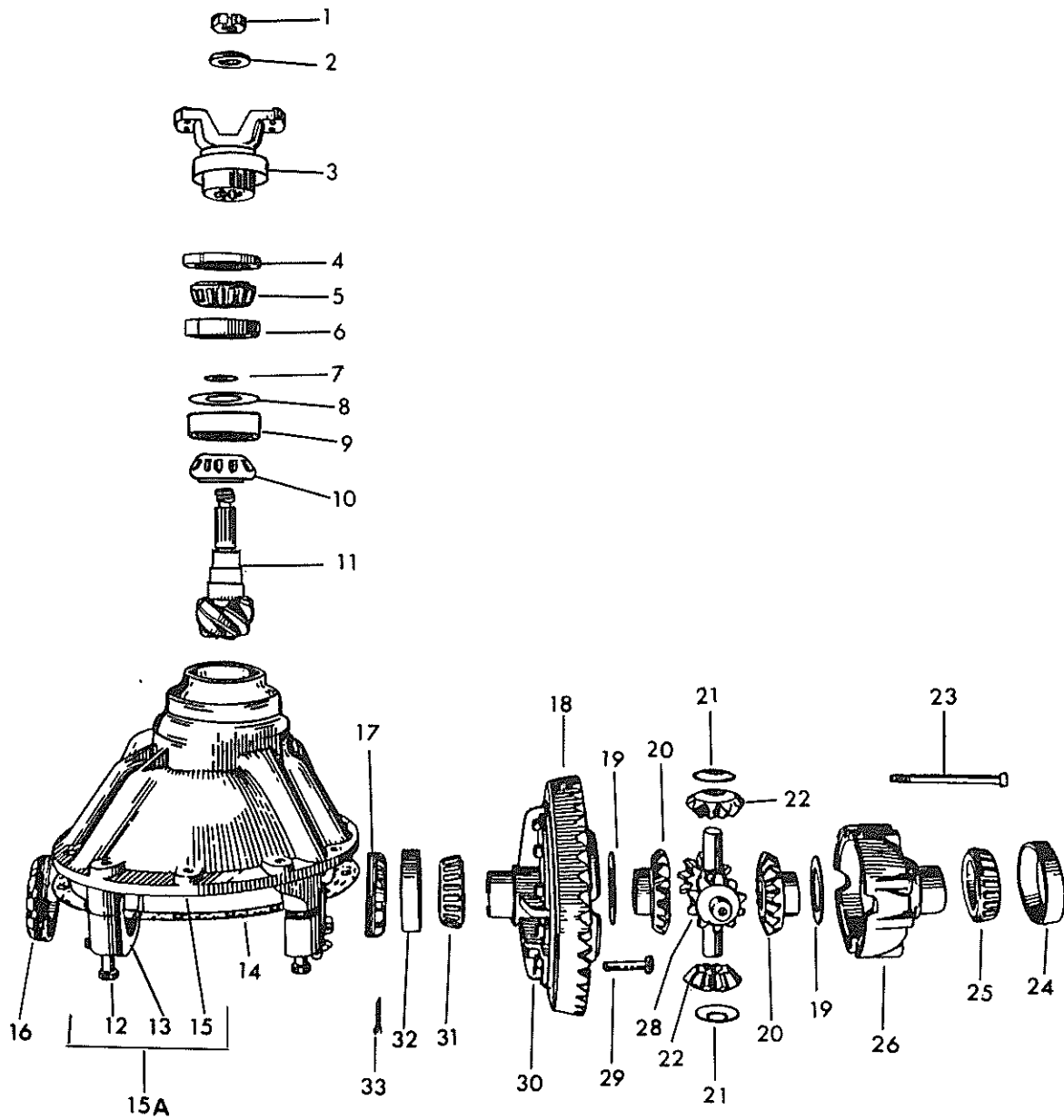
161 940 H2	AXLE ASSEMBLY, rigid driving type (Order AXLE ASSY., 212 608 H3)	18 453 R1	LOCKNUT, 5/8" hex (4)
212 608 H3	AXLE ASSEMBLY, rigid driving type	18 452 R1	LOCKNUT, 1/2" hex (27)
21 197 R1	SCREW, hex-hd cap (8)		(AXLE S/N FR-30-3-7401 thru 7948)
18 595 R1	LOCKNUT (8)		(AXLE 212 608 H3 - 101 and Up)
1	161 943 H3	1	921 763 C3
	HOUSING, axle (Used on AXLE ASSY., 161 940 H2 only) (2)		HOUSING, axle (Used on AXLE ASSEMBLY, 212 608 H3 only) (2)
181 436	SCREW, hex-hd cap (32)	271 589	BOLT, 5/8" dia. hex-hd cap (4)
18 452 R1	LOCKNUT (32)	181 440	BOLT, 1/2" dia. hex-hd cap (25)
	(Order the following -	895 711 H1	STUD
	1 HOUSING 212 615 H3	18 453 R1	LOCKNUT 5/8" hex (4)
	13 LOCKNUT 18 452 R1	18 452 R1	LOCKNUT, 1/2" hex (27)
	2 LOCKNUT 18 453 R1		
	13 SCREW 181 440	2	161 945 H1
	2 SCREW 271 589)		BOWL, axle (Used on AXLE ASSY., 161 940 H2 only)
1	212 615 H3		(Order the following -
181 440	HOUSING, axle (2)	1	BOWL 930 390 C1
271 589	SCREW, 1/2" dia. hex-hd cap (26)	1	BREATHING 91 916 R91
18 452 R1	SCREW, 5/8" dia. hex-hd cap (4)	26	LOCKNUT 18 452 R1
18 453 R1	LOCKNUT, 1/2" hex (26)	4	LOCKNUT 18 453 R1
	LOCKNUT, 5/8" hex (4)	3	"O" RING 570 828
	(AXLE S/N FR-30-3-5030 thru 7400)	1	PLUG 444 660
		2	PLUG 190 302
		1	PLUG 9 410 359
1	921 763 C2	26	SCREW 181 440
	HOUSING, axle (Used on AXLE ASSY., 212 608 H3 only) (2)	4	SCREW 271 589)
	(Order HOUSING, 921 763 C3, PLUG, 9 410 361 and "O" RING, 368 269 R1)	2	212 612 H1
271 589	SCREW, 5/8" dia. hex-hd cap (4)		BOWL, axle
181 440	SCREW, 1/2" dia. hex-hd cap (25)		(Order the following -
895 711 H1	STUD	1	BOWL 930 390 C1
		1	BREATHING 91 916 R91
		3	"O" RING 570 828
		1	PLUG 444 660
		2	PLUG 190 302
		1	PLUG 9 410 359)

SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AXLE ASSEMBLY DRIVING — Continued			924 986 C93	HOUSING & NUT ASSY. (2) S/N 5531, 5572, 5575 & up (Consists of HOUSING, 921 763 C3 and NUT, 157 060 H2)	
2	930 390 C1	BOWL, axle			
3	152 127 H1	BREATHER (Used w/HOUSING, 161 943 H3 only)			HOUSING NUT (Illustrated in the Brake Drum, Hub, Shaft, and Related Parts) (2)
4	444 687	PLUG (Used w/HOUSING, 161 943 H3 only)			
5	355 740 R1	"O" RING (2)			
6	570 828 R1	"O" RING (Used w/BOWL, 930 390 C1) (2) (Used w/BOWL, 212 612 H1) (1) (Used w/BOWL, 161 945 H1) (1)			
7	190 302 H1	PLUG, magnetic (Used w/BOWL, 930 390 C1) (2) (Used w/BOWL, 212 612 H1) (1) (Used w/BOWL, 161 945 H1) (1)			
8	91 916 R91	BREATHER (Used w/BOWL, 930 390 C1 only)			
9	444 660	PLUG (Used w/BOWL, 930 390 C1 only)			
10	570 828 R1	"O" RING (Used w/BOWL, 930 390 C1 only)			
11	9 410 359	PLUG, fill (Used w/BOWL, 930 390 C1 only)			
12		PLANET CARRIER and GEAR ASSY. (Refer to "Brake Drum, Hub, Shaft, and Related Parts") (2)			
13		DIFFERENTIAL (Refer to "Differ- ential Assy.")			
14	368 269 R1	"O" RING (Used w/HOUSING, 921 763 C3) (2)			
15	9 410 361	PLUG, (Used w/HOUSING 921 763 C3) (2)			
	136 271 H1	CLIP, brake lines			
	924 987 C92	HOUSING & NUT ASSY. (2) AXLE S/N FR-30-3-5030 thru 7400 (Consists of HOUSING, 212 615 H3 and NUT, 157 060 H2)			
	924 986 C92	HOUSING & NUT ASSY. (2) (Order ASSY. 924 986 C93, PLUG, 9 410 361 and "O" RING 368 269 R1) AXLE S/N FR-30-3-7401 thru 7948 AXLE 212 608 H3-101 and Up			

SOLID AXLE

DIFFERENTIAL ASSEMBLY



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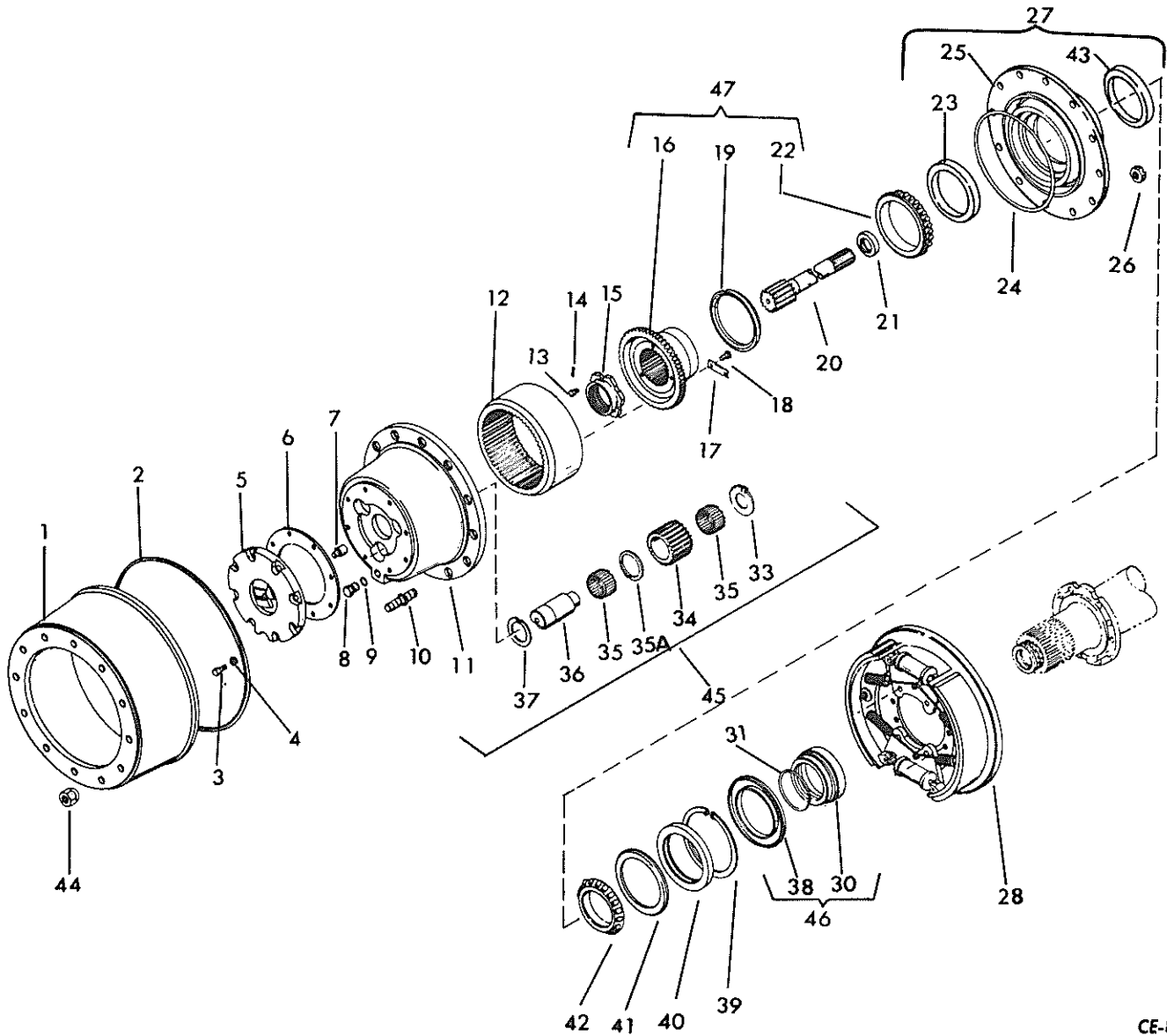
SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DIFFERENTIAL ASSEMBLY — Continued			23	277 232 R1 927 445 C1	BOLT, 3/8"NC x 2-3/4" hex-hd (8) WASHER, .41"ID x .75"OD x .09" ga. (8)
	161 916 H1	DIFFERENTIAL ASSEMBLY (Consists of the following parts except reference 14)	24	659 459 R1	CUP, R.H.
1	447 874 C1	NUT, 1-1/4" lock	25	659 458 R91	BEARING, R.H.
2	164 842 H1	WASHER, flat	26		CASE, plain half (Order CASE ASSY., 205 889 H1)
3	164 854 H1	YOKE w/SLINGER	28	111 227 H1	SPIDER
4	561 328 C91	SEAL, pinion	29	924 754 C1 878 157 R1	BOLT, 1/2"NF x 1-1/2" (12) NUT, 1/2"NF (12) WIRE, locking (Cut from bulk WIRE, 278 027 R1) (x)
5	164 862 H1	BEARING	30		CASE, flanged half (Order CASE ASSY., 205 889 H1)
6	197 608 R1	CUP	31	105 503 H1	BEARING, LH
7	164 808 H1	SHIM, .003" (AR)	32	105 496 H	CUP, LH
7	164 809 H1	SHIM, .005" (AR)	33	103 420	PIN, 1/4 x 1-1/2" cotter (2)
7	164 810 H1	SHIM, .010" (AR)		9 409 949	PLUG, 3/4" filler
8	164 812 H1	SHIM, .003" (AR)		164 849 H1	DIFFERENTIAL DRIVE GEAR and PINION ASSEMBLY (Composed of -
8	164 813 H1	SHIM, .005" (AR)			12 BOLT 924 754 C1
8	164 814 H1	SHIM, .010" (AR)			1 CASE ASSY. 205 889 H1
9	107 577 R1	CUP			4 GEAR 147 594 H1
10	662 062 R91	BEARING			1 GEAR & PINION 164 852 H1
11		PINION, gear (Order GEAR and PINION SET, 164 852 H2)			1 LOCKWIRE 278 027 R1
12	25 753 R1 164 846 H1	BOLT, 9/16"NC x 3-1/2" hex-hd (4) WASHER (4)			1 NUT 878 157 R1
13		CAP, bearing w/two DOWELS, 132 793 H1 (Not furnished separately) (2) DOWEL, bearing cap (4)			2 SIDE GEAR 164 850 H1
14	161 917 H1	GASKET, differential housing (Not part of Differential Assembly)			1 SPIDER 111 227 H1
15		HOUSING, carrier (Not furnished separately)			4 WASHER 111 169 H1
15A	164 843 H1 70 427 R1 24 850 R1 25 535 R1	HOUSING and CAP ASSY. BOLT, 7/16"NC x 1-1/4" (8) BOLT, 7/16"NC x 1-1/2" (4) WASHER, flat (12)		205 889 H1	CASE ASSY., differential w/flanged half CASE, plain half CASE, eight BOLT, 277 232 R1 and eight WASHER, 927 445 C1
16	164 806 H1	RING, adjuster, L.H.		164 852 H2	GEAR and PINION SET w/PINION GEAR and GEAR RING
17	164 807 H1	RING, adjuster, R.H.		278 027 R1	WIRE, bulk locking (16 ga. x 50 ft.)
18		GEAR, ring (Order GEAR and PINION ASSY., 164 852 H1)		3 108 749 R1	WIRE, bulk locking (19 gax 50 ft.)
19	164 851 H1	WASHER, thrust (2)			
20	164 850 H1	GEAR, side (2)			
21	111 169 H1	WASHER, thrust (4)			
22	147 594 H1	GEAR (4)			

(x) - As Required.

SOLID AXLE

BRAKE DRUM, HUB, SHAFT AND RELATED PARTS



CE-89295 C

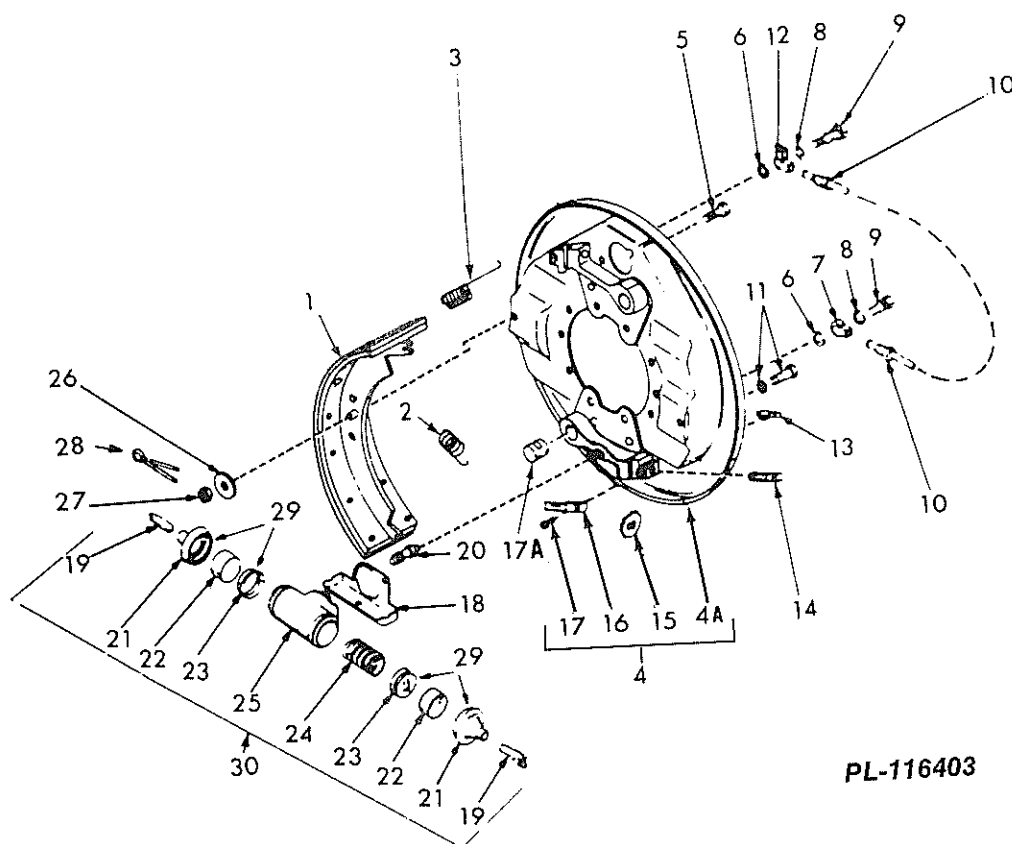
SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE DRUM, HUB, SHAFT AND RELATED PARTS — Continued			20	161 944 H4	SHAFT, axle (2)
1	157 123 H1	DRUM, brake (Used w/CARRIER, 157 041 H1) (2) AXLE S/N FR-30-2-3099 and below	21	161 919 H2	SEAL (For units so equipped) (2)
1	877 712 C1	DRUM, brake (Used w/CARRIER, 157 041 H2) (2) AXLE S/N FR-30-2-3100 thru 5029 AXLE S/N FR-30-3-5030 thru 7400	22	613 632 C91	BEARING, roller (2)
1	921 746 C2	DRUM, brake AXLE S/N FR-30-3-7401 and Up	23	272 120 R1	CUP, bearing (2)
2	157 124 H1	SEAL, brake (For units so equipped) (2)	24	22 425 R1	"O" RING (2)
3	24 840 R1	BOLT (16)	25	157 068 H1	HUB
4	125 003 H1	WASHER, dyna-seal (Order sealant BOLT, 24 840 R1) (16)	26	101 735 H1	NUT (24)
5	157 043 H1	COVER (Order COVER, 885 631 C2) (2)	27	163 019 H1	HUB ASSY.
5	885 631 C2	COVER (2) AXLE S/N FR-30-3-7948 and Below	28		BRAKE (See "BRAKE ASSEMBLY" in this section) (2)
5	929 474 C1	COVER (2) AXLE 212 608 H3 - 101 and Up	30	197 643 H3	RETAINER, packing (2)
6	157 044 H1	GASKET (2)	31	259 246 R1	"O" RING (2)
7	157 045 H1	BUTTON, thrust (Used w/COVER, 157 043 H1) (2)	33	157 421 H2	WASHER, thrust (3)
8	190 302 H1	PLUG, magnetic (2)	34	209 690 H3	PINION, planet (3)
9	570 828 R1	"O" RING (2)	35	613 639 C91	BEARING (6)
10	157 071 H2	STUD, shouldered (24)	35A	209 692 H1	SPACER (3)
11	157 041 H3	CARRIER, planetary (2)	36	209 693 H2	SHAFT, planet pinion (3)
12	157 051 H1	GEAR, internal (2)	37	209 694 H2	WASHER, thrust (3)
13	157 061 H1	SCREW, cap (2)	38	157 703 H1	SCAVENGER, oil (2)
14	107 761	PIN, 1/16 x 5/8" cotter (2)	39		NOT USED
15	157 060 H2	NUT (Also listed in the AXLE ASS'Y. DRIVING in this section)	40	157 078 H3	SEAL (2)
16	157 053 H1	HUB, ring gear (2)	41	157 079 H1	SPACER (2)
17	157 054 H1	LOCKPLATE (8)	42	58 233 R91	BEARING, roller (2)
18	23 194 R1	SCREW, cap (16)	43	613 636 C1	CUP, bearing (2)
19	157 058 H1	WASHER (2)	44	84 711 H	NUT (24)
			45	209 689 H5	PLANET CARRIER and GEAR ASSY. (2)
			46	163 018 H3	RETAINER and SCAVENGER ASSY.
			47	163 020 H1	HUB and BEARING ASSEMBLY (2)
				187 679 H1	HUB ASSEMBLY, wheel (2) (Consists of -
				1 BEARING	58 233 R91
				1 CUP	272 120 R1
				1 CUP	613 636 C1
				1 HUB	157 068 H1
				1 SEAL	157 078 H1
				1 SPACER	157 079 H1)

SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BRAKE ASSEMBLY



PL-116403

Parts without letters after the description indicates the part is used for all Brake Assemblies listed below. Letters "A" thru "D" are used to identify separate Brake Assemblies.

2 RETAINER, oil seal 197 643 H3
1 DRAWING, installation FGH-14022
1 DRAWING, spindle rework FGH-15910

A	157 126 H2	BRAKE ASSY., LH front AXLE S/N 07400 and below (Order the following parts -	C	921 773 C93	BRAKE ASSY., LH front AXLE S/N 07401 and up
			D	921 793 C93	BRAKE ASSY., RH front AXLE S/N 07401 and up
B	157 125 H2	BRAKE ASSY., R.H. front AXLE S/N 07400 and below	1	158 930 H1	SHOE and LINING ASSY., (A and B) (2) (Consists of -
					1 LINING 158 931 H1 14 RIVET 95 943 H § 1 SHOE) LINING (2) RIVET (28)
		1 BRAKE ASSY., R.H. 921 793 C93 1 BRAKE ASSY., L.H. 921 773 C93 2 DRUM, brake 921 746 C2 12 BOLT, rib neck 921 646 C1 2 RETAINER, oil seal 197 643 H3 1 DRAWING, installation FGH-14022 1. DRAWING spindle rework FGH-15910)	1	925 922 C1	SHOE and LINING ASSY. (Bonded) (C and D) (2)
			2	85 482 R2	SPRING (A and B) (2)
		1 BRAKE ASSY., R.H. 921 793 C93 1 BRAKE ASSY., L.H. 921 773 C93 2 DRUM, brake 921 746 C2 12 BOLT, rib neck 921 646 C1	2	131 028 R1	SPRING, reverse return (C and D) (2)
			3	85 482 R2	SPRING (A and B) (2)
			3	131 027 R1	SPRING, forward return (C and D) (2)
			§ - Not Furnished Separately.		

SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE ASSEMBLY — Continued			10	85 474 R91	TUBE (2)
4	193 783 H1	PLATE ASSY., backing, LH (A) (Composed of - 2 LOCKSPRING 131 021 R1 § 1 PLATE 2 SCREW 85 363 R1 2 SCREW 158 532 R91 2 STARWHEEL 85 366 R1)	11	179 818	BOLT, 5/16"NC x 1" hex-hd (A and B) (2)
	181 397	BOLT, 7/16"NF x 1-1/4" hex-hd (10)		103 320	WASHER, 5/16" lock (A and B) (2)
	452 489 R1	NUT, 7/16"NF nylon lock (10)	11		SCREW w/LOCKWASHER (Not furnished separately) (C and D) (2)
	193 048 H1	BOLT, shoulder (4)	12	48 168 H	FITTING (A and B) (2)
	18 452 R1	NUT, 1/2"NF nylon insert lock (4)	12	72 738 H	FITTING (C and D) (2)
4	193 784 H1	PLATE ASSY., backing, RH (B) (Composed of - 2 LOCKSPRING 131 021 R1 § 1 PLATE 2 SCREW 85 364 R1 2 SCREW 158 532 R91 2 STARWHEEL 85 366 R1)	13	22 324 H	COVER, adjusting slot (A and B) (2)
	181 397	BOLT, 7/16"NF x 1-1/4" hex-hd (10)	13	131 033 R1	COVER, adjusting slot (C and D) (2)
	452 489 R1	NUT, 7/16"NF nylon lock (10)	14	85 363 R1	SCREW, adjusting (A) (2)
	193 048 H1	BOLT, shoulder (4)	14	85 364 R1	SCREW, adjusting (B) (2)
	18 452 R1	NUT, 1/2"NF nylon insert lock (4)	14		SCREW, adjusting (Not furnished separately) (C and D) (2)
4	925 917 C1	PLATE ASSY., backing LH (C) (Order ASSY., 1 110 569 C1 and 2 PIN, 1 110 566 C1) (Used with 1-5/16" Anchor Pin)	15	85 366 R1	STARWHEEL, adjusting (A and B) (2)
4	1 110 569 C1	PLATE ASSY., backing LH (C) (Used with 1-1/2" Anchor Pin)	15		STARWHEEL, adjusting (Not furnished separately) (C and D) (2)
	921 646 C1	BOLT, 9/16"NF x 2" ribbed-neck hex-hd (6)	16	131 021 R1	LOCKSPRING, adjusting (A and B) (2)
	21 384 R1	NUT, 9/16"NF nylon lock (6)	16		LOCKSPRING, adjusting (Not furnished separately) (C and D) (2)
4	925 916 C1	PLATE ASSY., backing RH (D) (Order ASSY., 1 110 570 C1 and 2 PIN, 1 110 566 C1) (Used with 1-5/16" Anchor Pin)	17	158 532 R91	SCREW and WASHER ASSY., (A and B) (2)
4	1 110 570 C1	PLATE ASSY., backing RH (D) (Used with 1-1/2" Anchor Pin)			SCREW (Not furnished separately) (C and D) (2)
	921 646 C1	BOLT, 9/16"NF x 2" ribbed neck hex-hd (6)	17A	131 025 R1	PIN, anchor 1-5/6" long, (Not used with BACKING PLATE ASSY, 1 110 570 C1) (2)
	21 384 R1	NUT, 9/16"NF nylon lock (6)	17A	1 110 566 C1	PIN, anchor 1-1/2" long, (Used with BACKING PLATE ASSY., 1 110 569 C1 and 1 110 570 C1) (2)
4A		PLATE (Not furnished separately)	18	85 370 R1	COVER, cylinder (A)
5	158 945 H1	BOLT, shoe guide (A and B) (2)	18	85 371 R1	COVER, cylinder (B)
5	131 026 R1	BOLT, shoe guide (C and D) (2)	18	131 031 R91	COVER, cylinder (C)
6	48 123 H	GASKET	18	131 032 R91	COVER, cylinder (D)
7	72 738 R1	FITTING (A and B)	19	158 937 H1	ROD, push (A and B) (2)
7	48 168 H	FITTING (C and D)	19	85 362 R1	ROD, push (C and D) (2)
8	48 122 H	GASKET (2)	20	127 112 H1	SCREW, bleeder (A and B)
9	72 598 R1	BOLT, fitting (2)			

§ - Not Furnished Separately.

SOLID AXLE

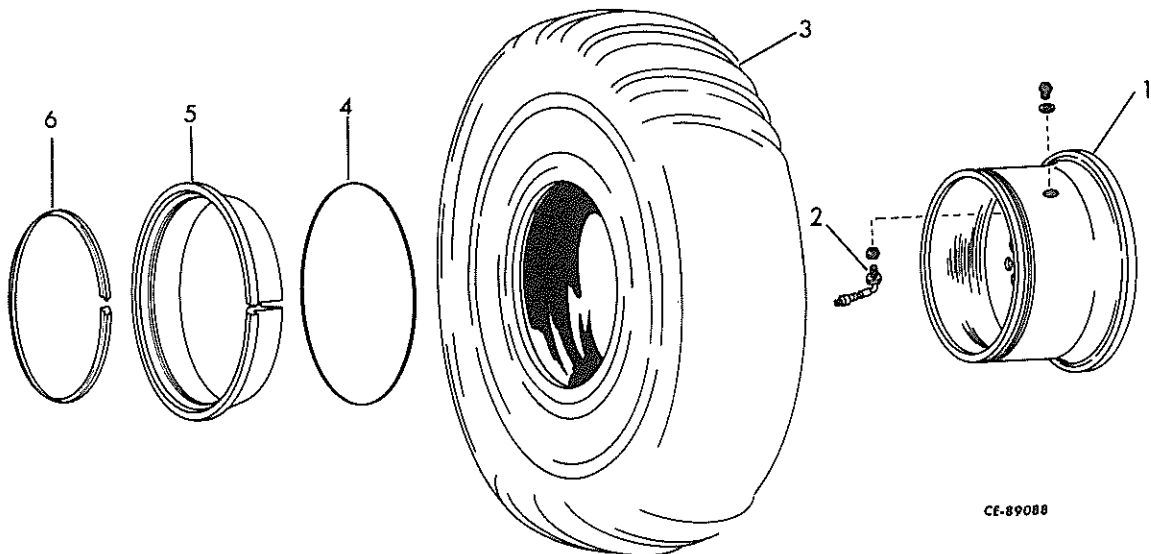
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE ASSEMBLY — Continued					
20	78 492 R91	SCREW, bleeder (C and D)			
21	85 362 R1	BOOT (A and B) (2)			
21	131 095 R1	BOOT (C and D) (2)			
22	158 934 H1	PISTON (A and B) (2)			
22	179 534 H1	PISTON (C and D) (2)			
23	49 150 H	CUP (A and B) (2)			
23	49 174 H	CUP (C and D) (2)			
24	116 886 R11	SPRING and RETAINER ASSY. (A and B)			
24	116 887 R11	SPRING and RETAINER ASSY. (C and D)			
25		BODY, cylinder (Not furnished separately)			
26	87 771 R1	WASHER, shoe guide (2)			
27	112 743 R1	NUT (2)			
28	103 373	PIN, 3/32 x 3/4" cotter (2)			
29	111 624 R91	KIT, wheel cylinder (Consists of two BOOT, 85 362 R1 and two CUP, 49 150 H) (A and B) (2)			
29	131 097 R91	KIT, wheel cylinder (Consists of two BOOT, 131 095 R1 and two CUP, 49 174 H) (C and D) (2)			
30	85 360 R93	CYLINDER ASSY., wheel (A and B) (2)			
30	137 448 R91	CYLINDER ASSY., wheel (C and D) (2)			
	179 529 H1	KIT, shoe guide (A and B) (Consists of - 2 BOLT 158 945 H1 2 PIN, cotter 103 373 2 NUT 112 743 R1 2 WASHER 87 771 R1)			
	876 567 C91	KIT, shoe guide (C and D) (Consists of - 2 BOLT 131 026 R1 2 NUT 159 266 H1 2 PIN 103 373 2 WASHER 87 771 R1)			

SOLID AXLE

REF. PART
NO. NUMBER DESCRIPTION

REF. PART
NO. NUMBER DESCRIPTION

WHEEL AND MOUNTING



A		SERVICE PART for 12:00 x 24 (Optional) and 13:00 x 24 TIRES	5	195 703 H1	FLANGE (Use w/Wheel C)
B		SERVICE PART for 14:00 x 24 TIRES (Optional)	6	152 720 H1	LOCK RING (Use w/WHEEL A and B)
C		SERVICE PART for 15.5 x 25 TIRES (Optional)	6	195 702 H1	LOCK RING (Use w/Wheel C) TUBE (Purchase Locally) FLAP (Purchase Locally)
1	157 604 H1	WHEEL (8" Rim) (A)	894 920 C91		KIT, Bolster Rework (To convert units to 14:00 tires (See NOTE 1) (Consists of two BOSS, 157 398 H1 and BOLSTER REWORK DRAWING, FGH-11651)
1	198 556 H1	WHEEL (8" Rim) (B)	157 398 H1		BOSS (2) (Welded to BOLSTER per REWORK DRAWING, FGH-11651) (For units not previously equipped with 14:00 tires)
1	187 574 H1	WHEEL (12" Rim) (C)			
2	27 549 R1	VALVE (Use w/Wheel A and B)			
2	145 392 H1	VALVE (Use w/Wheel C)			
3		TIRE (Purchase Locally)			
4	138 548 H1	"O" RING (Use w/Wheel A and B)			
4	145 395 H1	"O" RING (Use w/Wheel C)			
5	152 719 H1	FLANGE (Use w/Wheel A and B)			

NOTE 1: Order on Machine Order Form.



SECTION 7

STEERING AXLE REAR

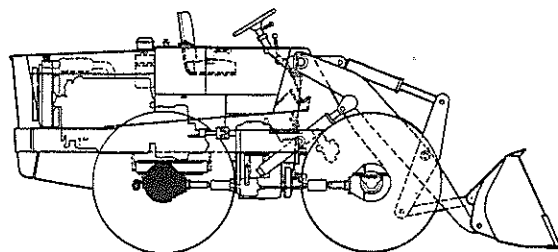
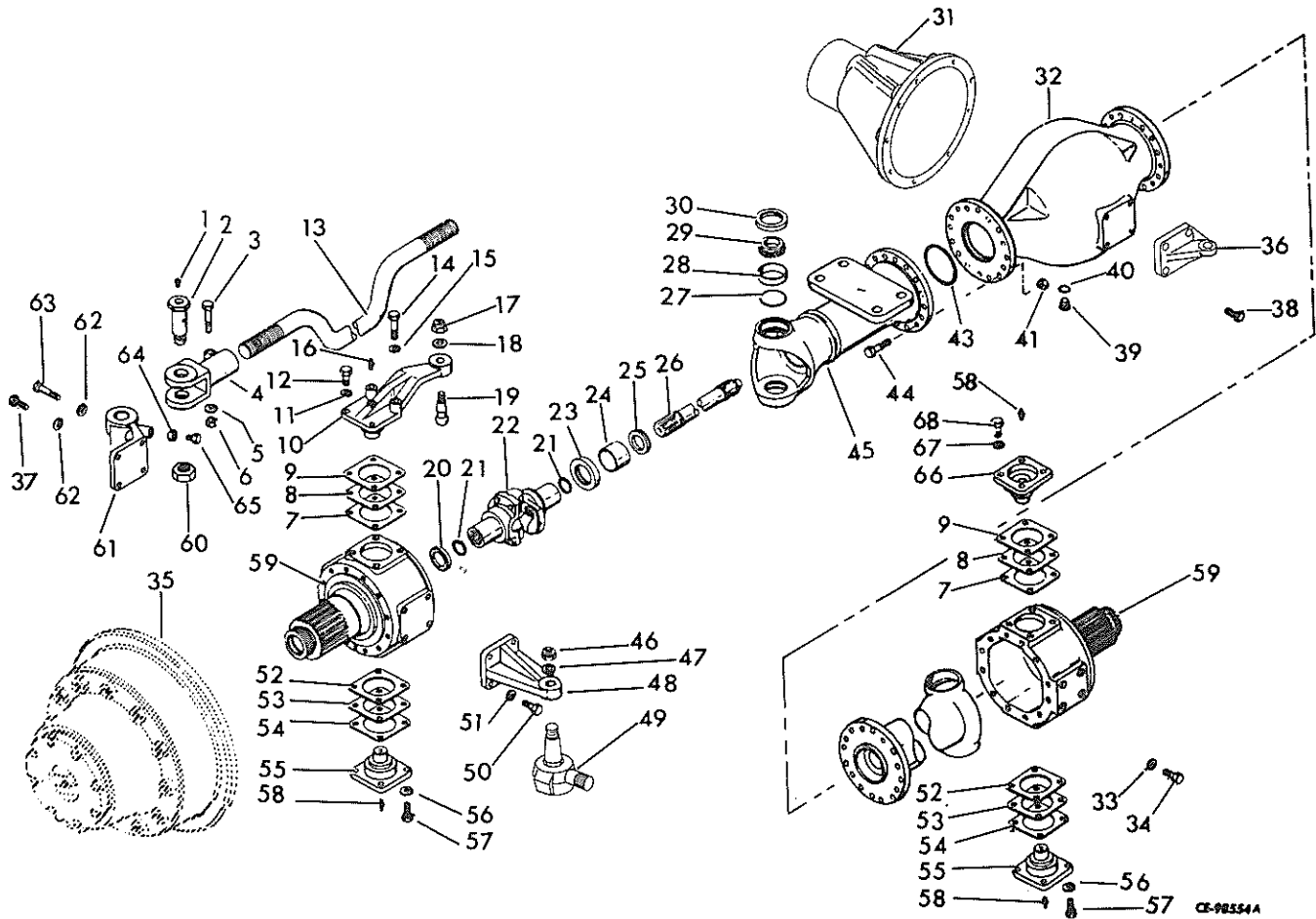


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STEERING AXLE REAR

STEERING AXLE ASSEMBLY AND RELATED PARTS (Driving Type)



CE-98334A

STEERING AXLE REAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING AXLE ASSEMBLY AND RELATED PARTS -- Continued (Driving Type)					
	212 605 H7	AXLE ASSEMBLY, steering	28	157 101 H1	CUP, bearing (Order OUTER RACE, 215 209 H1 and INNER RACE, 215 208 H1) (4)
1	109 461	FITTING, grease (2)	28	215 209 H1	OUTER RACE (4)
2	157 093 H1	PIN, pivot (2)	29	157 100 H1	CONE, bearing (Order OUTER RACE, 215 209 H1 and INNER RACE, 215 208 H1) (4)
3	181 440	SCREW, 1/2 x 2-1/2" NF cap (2)	29	215 208 H1	INNER RACE (4)
4	157 092 H1	CLEVIS, rod end (2)	30	157 103 H1	SEAL (4)
5	103 323	WASHER, 1/2" lock (2)	31		DIFFERENTIAL (Refer to "Differential Assembly" in Solid Axle section)
6	103 028	NUT, 1/2" NF hex (2)	32	161 935 H1	BOWL, axle (@) (Order the following -
7	157 090 H1	SHIM (.005") (x)			1 BOWL 212 614 H1
8	157 089 H1	SHIM (.007") (x)			13 NUT 18 452 R1
9	157 088 H1	SHIM (.020") (x)			2 NUT 18 453 R1
10	215 506 H1	ARM, w/INNER RACE, 215 208 H1, steering (FS-30-3-7058 and below) (Order the following -			13 SCREW 181 440
		1 ARM 887 373 C1			2 SCREW 271 589)
		1 RACE 215 208 H1)	32	212 614 H1	BOWL, axle
10	887 373 C1	ARM, steering (FS-30-3-7059 and up)	33	103 323	WASHER, 1/2" lock (4)
11	103 323	WASHER, 1/2" lock (2)	34	179 879	SCREW, 1/2 x 3/4" NC cap (4)
12	179 884	SCREW, 1/2 x 1-3/8" NC cap (2)	35		PLANET CARRIER & GEAR ASSY. (Refer to "Brake Drum, Hub, Shaft and Related Parts - Driving Type")
13	879 868 C1	TIE ROD	36	157 099 H1	ANCHOR, steering cylinder (Not for extra wheel and tire clearance) (Used w/STEERING ARM, 157 096 H1)
14	179 891	SCREW, 1/2 x 2-1/2" NC cap (2)	36	921 113 C1	ANCHOR, steering cylinder (For extra wheel and tire clearance) (Used w/STEERING ARM, 173 412 H2)
15	103 323	WASHER, 1/2" lock (2)	37	179 884	BOLT, 1/2" NC x 1-3/8" hex-hd (4)
16	273 347	FITTING, grease	38	25 274 R1	BOLT (4)
17	178 200 H1	NUT	39	190 302 H1	PLUG
18	178 199 H1	WASHER	40	570 828 R1	"O" RING
19	157 085 H1	STUD	41	18 452 R1	NUT, 1/2" x 20NC (32 for Axle Housing, 196 202 H1) (25 for Axle Housing, 212 617 H4)
20	157 108 H2	WASHER, flat (2)	41	18 453 R1	NUT, 5/8" x 18NF (4)
21		RING, retaining (2)			
22		UNIVERSAL JOINT (Refer to "Universal Joint")			
23	157 106 H3	SEAL (2)			
24	157 107 H1	BUSHING (2)			
25	157 108 H2	WASHER, flat (2)			
26	161 936 H2	SHAFT, axle (2)			
27	157 102 H1	RETAINER, grease (4)			

(@) - New and old are identical, except new castings have rib reinforced mounting flanges and only (15) mounting holes (two have been increased to 21/32" dia.). When mating old parts with new, redrill two 17/32" holes in old part, on on each side of bottom center hole, to 21/32" dia.

STEERING AXLE REAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING AXLE ASSEMBLY AND RELATED PARTS —					
Continued					
(Driving Type)					
43	355 740 R1	"O" RING (2)	56	103 325	WASHER, 5/8" lock (8)
44	181 440	SCREW, 1/2 x 2-1/2" NF cap (32 for Axle Housing, 196 202 H1) (25 for Axle Housing, 212 617 H4)	57	875 930 C1	BOLT, 5/8" NC x 1-3/8" dld-f-lkg-wire, hex-hd (8) WIRE, locking (12 ga. x 11" long) (Cut from bulk WIRE, 278 025 R1) (4)
44	271 589	SCREW, 5/8 x 2-1/2" NF cap (4)	58	109 461	FITTING, grease (3)
44	895 711 H1	STUD (Added on later units)	59	178 541 H2	KNUCKLE, steering (2) (Order the following - 1 CAP 887 371 C1 \$ 1 HOUSING 212 617 H4 1 KNUCKLE 932 591 C1 4 SCREW 875 930 C1 5 SHIM 188 782 H1 3 SHIM 188 783 H1 1 SHIM 188 784 H1)
45	196 202 H1	HOUSING w/BUSHING, 157 107 H1 and WASHER, 157 108 H2, axle (@) (2) (Order the following - 1 BUSHING 157 107 H1 1 HOUSING 212 617 H4 25 NUT 18 452 R1 4 NUT 18 453 R1 25 SCREW 181 440 4 SCREW 271 589 1 WASHER 157 108 H1)	59	188 786 H1	KNUCKLE, steering (Used with HOUSING, 212 617 H1 and 212 617 H2) (Order KNUCKLE, 932 591 C1 and HOUSING, 212 617 H4) (\$) (2)
45	212 617 H4	HOUSING, axle (2)	59	932 591 C1	KNUCKLE, steering (Used with HOUSING, 212 617 H4) (2)
46		NUT (Refer to "Steering Linkage - 4-Wheel Drive")	60	215 617 R1 144 969 H1	NUT (2) WASHER (2)
47		WASHER (Refer to "Steering Linkage - 4-Wheel Drive")	61	157 087 H2 191 083 H1	ARM w/BUSHING, 191 083 H1, tie rod (2) BUSHING, arm (2)
48	157 096 H1	ARM, steering (Not for extra wheel and tire clearance) (Used with STEERING CYLINDER ANCHOR, 157 099 H1)	62	103 323	WASHER, 1/2" lock (8)
48	173 412 H2	ARM, steering (Used for extra wheel and tire clearance) (Used with STEERING CYLINDER ANCHOR, 921 113 C1)	63	179 891	SCREW, 1/2 x 2-1/2" NC cap (4)
49		BALL JOINT (Refer to "Steering Linkage - 4-Wheel Drive")	64	114 505	NUT, 1/2" (2)
50	179 884	SCREW, 1/2 x 1-3/8" NC cap (4)	65	179 885	SCREW, 1/2 x 1-1/2" NC cap (2)
51	103 323	WASHER, 1/2" lock (4)	66	215 507 H1	CAP w/INNER RACE, 215 208 H1, steering bearing (FS-30-3-7058 and below) (Order the following - 1 ARM 887 365 C1 1 RACE 215 208 H1)
52	188 782 H1	SHIM (.005") (x)	66	887 365 C1	CAP, steering bearing (FS-30-3-7058 and up)
53	188 783 H1	SHIM (.007") (x)	67	103 323	WASHER, 1/2" lock (4)
54	188 784 H1	SHIM (.020") (x)	68	179 884	SCREW, 1/2 x 1-3/8" NC cap (4) (@) - New and old are identical, except new castings have rib reinforced mtg. flangers and only (15) mtg. holes (two have been increased to 21/32 dia.). When mating old parts with new, redrill two 17/32 holes in old parts, one on each side of bottom center hole, to 21/32 dia. (x) - As Required. (\$ - HOUSING, 212 617 H4 not required if unit is already equipped.
55	215 508 H1	CAP, w/INNER RACE, 215 208 H1 steering bearing (2) (FS-30-3-7058 and below) (Order the following - 1 CAP 887 371 C1 1 RACE 215 208 H1)			
55	887 371 C1	CAP, steering bearing (2) (FS-30-3-7059 and up)			

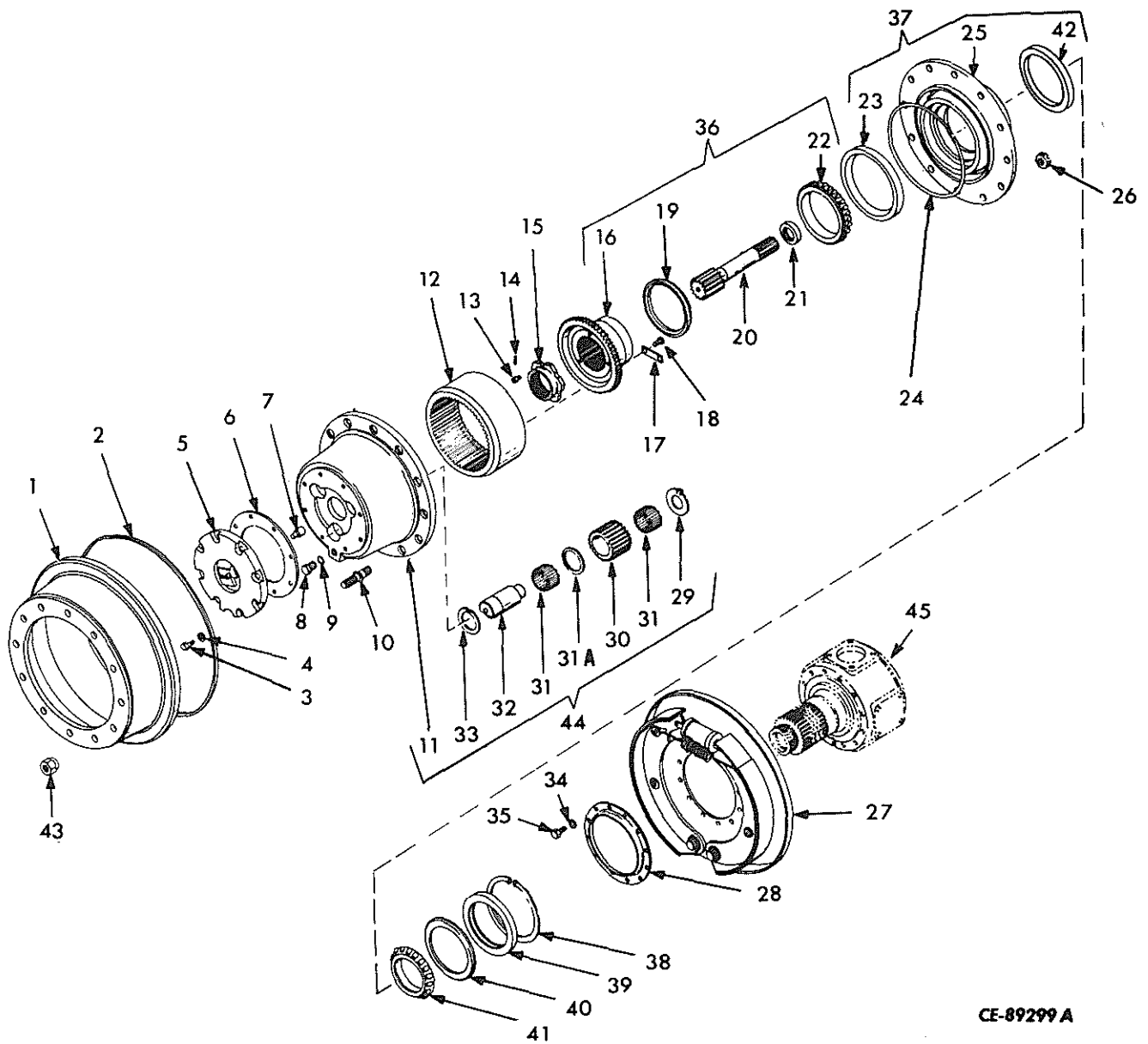
STEERING AXLE REAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING AXLE ASSEMBLY AND RELATED PARTS – Continued (Driving Type)					
	278 025 R1	WIRE, bulk locking (12 ga.) (50 ft.) (x)			
	932 643 C91	KNUCKLE and NUT ASSY. (Consists of KNUCKLE, 932 591 C1 and NUT, 157 060 H1) (2)			
	157 060 H1	NUT (Illustrated in the "Brake Drum Hub, Shaft and Related Parts Driving Type") (2)			

(x) - As Required.

STEERING AXLE REAR

BRAKE DRUM, HUB, SHAFT AND RELATED PARTS (Driving Type)



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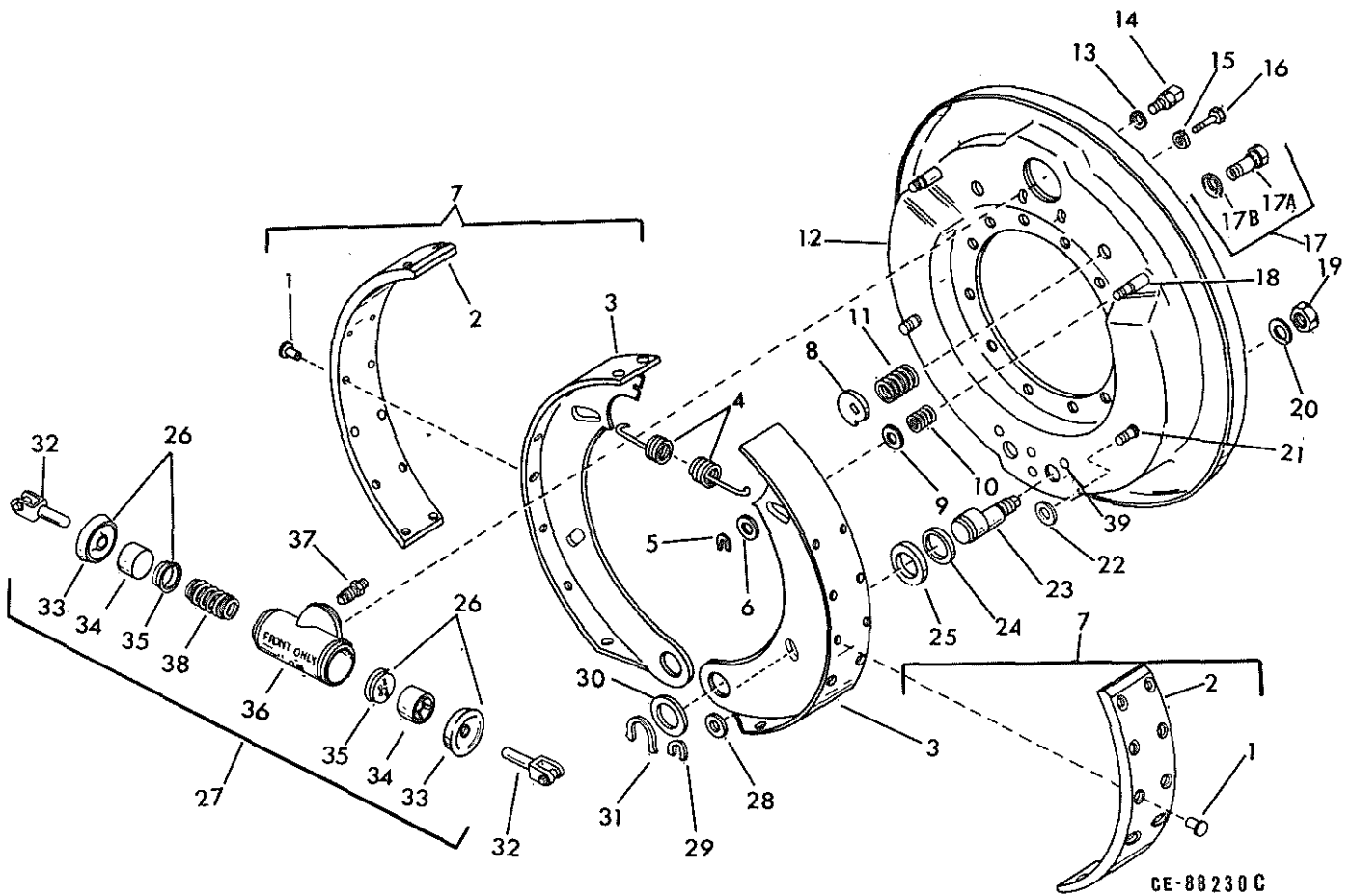
STEERING AXLE REAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE DRUM, HUB, SHAFT AND RELATED PARTS — Continued (Driving Type)			29	157 421 H2	WASHER, thrust (3)
1	157 123 H1	BRAKE DRUM (Used with 157 041 H1, CARRIER) (2)	30	209 690 H3	PINION, planet (3)
1	877 714 C1	BRAKE DRUM (Used with 157 041 H2, CARRIER) (2)	31	613 639 C91	BEARING (6)
2	157 072 H1	SEAL, brake (2)	31A	209 692 H1	SPACER (3)
3	24 840 R1	BOLT (16)	32	209 693 H2	SHAFT, planet pinion (3)
4	125 000 H1	WASHER, sealing (Order BOLT, 24 840 R1) (16)	33	209 694 H2	WASHER, thrust (3)
5	157 043 H1	COVER (Order 885 631 C2) (2)	34	103 321	WASHER, 3/8" lock (24)
5	885 631 C2	COVER (2)	35	179 838	SCREW, 3/8 x 7/8"NC cap (24)
6	157 044 H1	GASKET (2)	36	163 020 H1	HUB & BEARING ASSY., ring gear (2)
7	157 045 H1	BUTTON, thrust (Used with COVER, 157 043 H1) (2)	37	163 019 H1	HUB & BEARING ASSY. (2)
8	190 302 H1	PLUG, magnetic (2)	38	21 023 R1	RING, retaining (Used with STEERING KNUCKLE, 178 541 H1 only) (2)
9	570 628 R1	"O" RING (2)	39	157 078 H3	SEAL, oil (2)
10	157 071 H2	STUD, shouldered (24)	40	157 079 H1	WASHER, flat (2)
11	157 041 H3	CARRIER, planetary (2)	41	58 233 R91	BEARING, roller (2)
12	157 051 H1	GEAR, internal (2)	42	613 636 C1	CUP, bearing (2)
13	157 061 H1	SCREW, cap (2)	43	102 430 H1	NUT (24)
14	107 761	PIN, 1/16 x 5/8" cotter (2)	44	209 689 H5	PLANET CARRIER & GEAR ASSY. (2)
15	157 060 H1	NUT (Also listed in the STEERING AXLE ASSY'Y - Driving type in this section)	45		KNUCKLE, steering (Refer to "Steering Axle Assembly and Related Parts - Driving Type")
16	157 053 H1	HUB, ring gear (2)	187 679 H1	HUB ASSY., wheel (2) (Consists of -	
17	157 054 H1	LOCKPLATE (8)		1 CONE	58 233 R91
18	20 706 R1	SCREW, cap (16)		1 CUP	272 120 R1
19	157 058 H1	WASHER (2)		1 CUP	613 636 C1
20	157 064 H3	SHAFT, axle (2)		1 HUB	157 068 H1
21	544 386 R91	SEAL (2)		1 SEAL	157 078 H3
22	613 632 C91	BEARING, roller (2)		1 SPACER	157 079 H1)
23	272 120 R1	CUP, bearing			
24	22 425 R1	"O" RING (2)			
25	157 068 H1	HUB (2)			
26	101 735 H1	NUT (24)			
27		BRAKE ASSY. (Refer to "Brake Assembly - Driving Type Axle")			
28	157 075 H1	SCAVENGER, oil (2)			

STEERING AXLE REAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BRAKE ASSEMBLY (Driving Type)



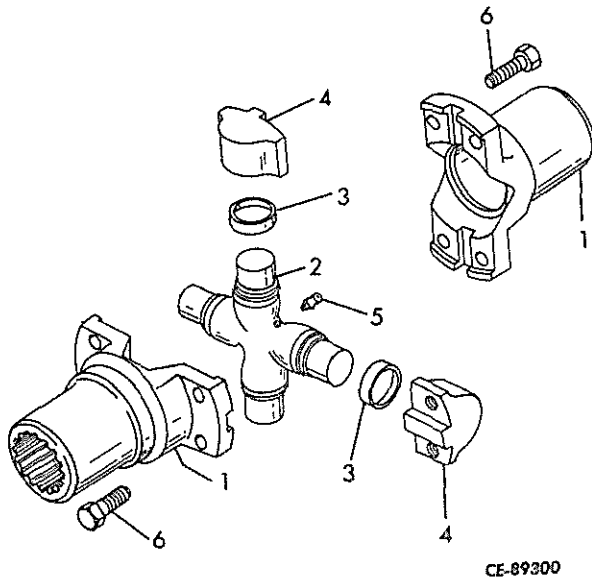
157 074 H2	BRAKE ASSY. (Wagner) (Order BRAKE ASSY., 157 074 H3) (2) (Consists of the following parts -	8	104 690 H1	CAM, adjusting (Used w/PLATE ASSY., 158 914 H1) (2)
1	95 913 H RIVET (32)	9	98 752 R1	WASHER, plain - guide pin (2)
2	104 686 H1 LINING (2)	10	158 918 H1	SPRING, guide pin (2)
3	BRAKE SHOE (Not furnished separately) (2)	11	104 655 H1	SPRING, cam (2)
4	136 591 H1 SPRING	12	158 914 H1	PLATE ASSEMBLY, backing (Order PLATE ASSY., 193 966 R91) (Consists of -
5	95 966 H WASHER, "C" - guide pin (2)		2 CAM	104 690 H1
6	98 752 R1 WASHER, flat (2)		2 SPRING	104 655 H1
7	104 687 H1 BRAKE SHOE ASSEMBLY (2)		2 BOLT	104 657 H1
8	121 726 H1 CAM, adjusting (Used w/PLATE ASSY., 193 966 R91) (2)		2 PIN	104 672 H1
			2 NUT	218 197
			2 WASHER	103 326
			2 PIN	104 693 H1
			2 PIN	104 681 H1)

STEERING AXLE REAR

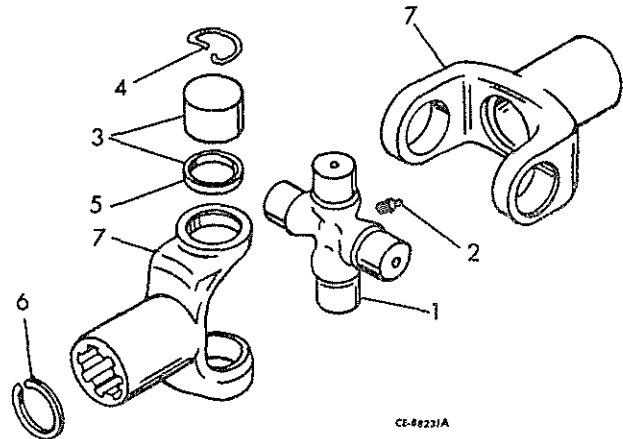
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE ASSEMBLY — Continued (Driving Type)					
12	193 966 R91	PLATE ASSEMBLY, backing (Consists of - 2 BOLT 104 657 H1 2 CAM 121 726 H1 2 SPRING 104 655 H1 2 PIN 104 672 H1 2 PIN 104 693 H1 4 RIVET 104 098)	37	112 259 H1	SCREW, bleeder
			38	111 459 H1	SPRING, return
			39	104 098	RIVET (Used w/PLATE ASSY., 193 966 R1) (4)
13	HL-3753	GASKET, fitting			
14	121 729 H1	FITTING			
15	103 321	WASHER, 3/8" lock (2)			
16	179 837	SCREW, 3/8"NC x 3/4" cap (2)			
17	104 657 H1	BOLT w/WASHER ASSY., adjusting (Order BOLT, 397 555 R1 and WASHER, 104 658 H1) (2)			
17A	397 555 R1	BOLT, adjusting (2)			
17B	104 658 H1	WASHER (2)			
18	104 672 H1	PIN, shoe guide (2)			
19	218 197	NUT, 3/4"NF hex (2)			
20	103 326	WASHER, 3/4" lock (2)			
21	104 693 H1	PIN, shoe guide (2)			
22	104 640 H1	WASHER, flat (2)			
23	104 681 H1	PIN, anchor (2)			
24	104 680 H1	WASHER, felt (2)			
25	104 679 H1	RETAINER, anchor pin felt (2)			
26	680 484 R91	KIT, wheel cylinder repair (Consists of two BOOT, 177 600 H1, and two CUP, 51 906 H)			
27	127 200 H1	WHEEL CYLINDER ASSEMBLY			
28	104 640 H1	WASHER, flat (2)			
29	95 966 H	WASHER, "C" - guide pin (2)			
30	104 678 H1	WASHER, anchor pin (2)			
31	104 677 H1	WASHER, "C" (2)			
32	127 185 H1	LINK, wheel cylinder (2)			
33	177 600 R1	BOOT (2)			
34	127 127 H1	PISTON, wheel cylinder (2)			
35	51 906 H	CUP, piston (2)			
36		CASTING, cylinder (Not furnished separately)			

STEERING AXLE REAR

REF. NO.	PART NUMBER	DESCRIPTION
UNIVERSAL JOINT		



REF. NO.	PART NUMBER	DESCRIPTION
UNIVERSAL JOINT		



	157 109 H1	UNIVERSAL JOINT (Includes the following items) (Order 157 109 H2) (2)		157 109 H2	UNIVERSAL JOINT (Includes the following items) (2)
	158 901 H1	YOKE ASSEMBLY (Includes next 2 items) (2)		1	CENTER CROSS (Not serviced separately) (@)
1		YOKE, fitting (Order 158 901 H1) (2)		2	110 146 R91 FITTING, lube (@)
		PLUG, dust (Order 158 901 H1) (2)		3	470 079 R91 NEEDLE CUP ASSEMBLY (@) (4)
	136 488 HA	SPIDER & BEARING ASSEMBLY (Includes Item 2 thru 5)		4	470 081 R1 LOCK, ring (@) (4)
2		SPIDER, (Order ASSEMBLY, 136 488 HA)		5	470 080 R1 SEAL, oil (@) (4)
3	116 485 R1	WASHER, cork (4)		6	160 094 R1 RING, retaining (2)
4		BEARING (Order ASSEMBLY, 136 488 HA)		7	182 619 H1 YOKE, plain (2)
		ROLLER (124)		470 077 R91	KIT, center part repair (Consists of -
		RETAINER, washer (4)			4 CUP 470 079 R91
		SHIELD, dust (4)			§ 1 CROSS 110 146 R91
5	110 146 R91	FITTING, grease			1 FITTING 470 080 R1
6	104 754 H1	SCREW, cap (8)			4 SEAL 470 081 R1
					4 RING

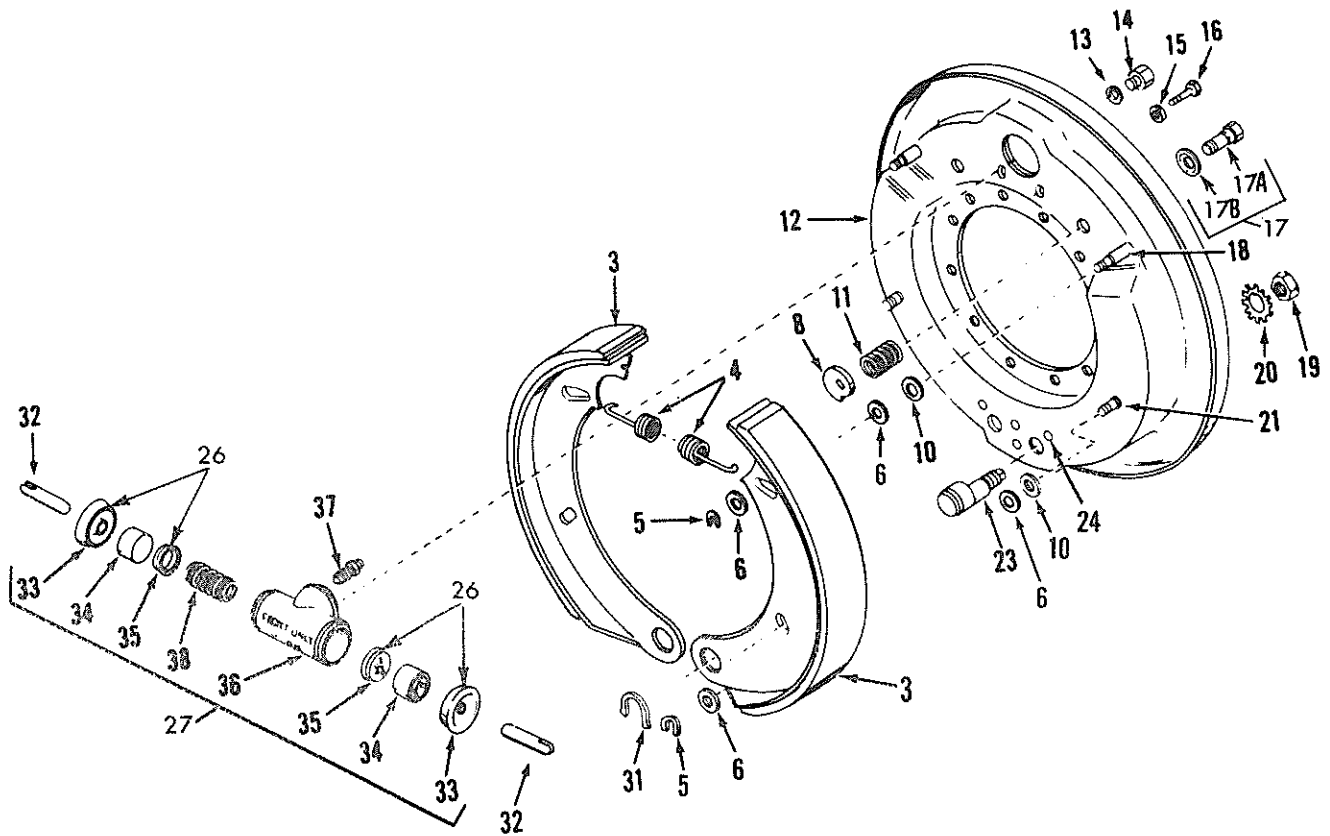
(@) - Also part of CENTER PART KIT, 470 077 R91.

§ - Not Furnished Separately.

STEERING AXLE REAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BRAKE ASSEMBLY STEERING AXLE (Driving Type)



CE-99590A

	157 074 H3	BRAKE ASSEMBLY (Rockwell Standard) (2) (Consists of the following parts -	13	48 167 H	GASKET, fitting
			14	48 071 H	FITTING
3	924 836 C91	BRAKE SHOE and LINING ASSEMBLY (Bonded) (2)	15	103 321	WASHER, 3/8" lock (2)
4	136 591 H	SPRING, return	16	179 838	SCREW, 3/8"NC x 7/8" hex-hd cap (2)
5	95 966 H	WASHER, "C" (4)	17	104 657 H1	BOLT w/WASHER ASSY., adjusting (Order BOLT, 397 555 R1 and WASHER, 104 658 H1) (2)
6	98 752 R1	WASHER, guide pin (8)			
8	121 726 H1	CAM, adjusting (2)	17A	397 555 R1	BOLT, adjusting (2)
10	95 250 R1	WASHER, flat (8)	17B	104 658 H1	WASHER (2)
11	104 655 H1	SPRING, cam (2)	18	104 672 H1	PIN, shoe guide (2)
12	193 966 R91	PLATE ASSEMBLY, backing (Consists of -	19	95 247 R1	NUT, anchor pin (2)
		2 BOLT 397 555 R1	20	924 837 C1	WASHER, lock (2)
		2 CAM 121 726 H1			
		2 SPRING 104 655 H1	21	104 693 H1	PIN, shoe guide (2)
		2 PIN 104 672 H1			
		2 PIN 104 693 H1	23	214 111 R1	PIN, anchor (2)
		4 RIVET 104 098			
		2 WASHER 104 658 H1)			

STEERING AXLE REAR

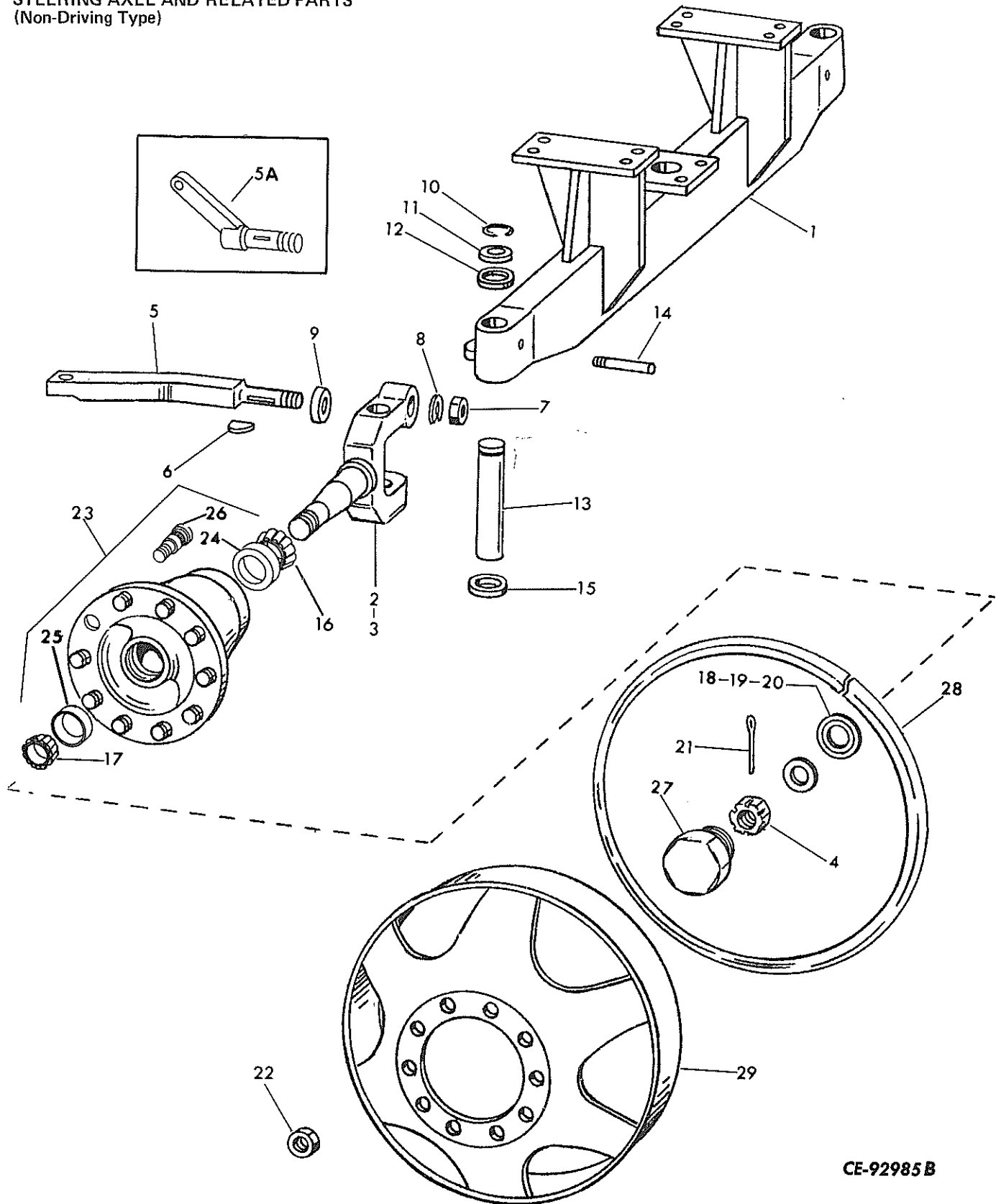
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE ASSEMBLY STEERING AXLE — Continued (Driving Type)					
24	104 098	RIVET (4)			
26	680 484 R91	KIT, wheel cylinder repair (Consists of two BOOT, 177 600 R1 and two CUP, 51 906 H)			
27	127 200 H1	CYLINDER ASSEMBLY, wheel			
31	106 723 R1	WASHER, "C" (2)			
32	896 753 R1	ROD, push (2)			
33	177 600 R1	BOOT (2)			
34	51 903 H	PISTON, wheel cylinder (2)			
35	51 906 H	CUP, piston (2)			
36		HOUSING, wheel cylinder (Not furnished separately)			
37	112 259 H1	SCREW, bleeder (Optional with SCREW, 72 550 R1)			
37	72 550 R1	SCREW, bleeder (Optional with SCREW, 112 259 H1)			
38	111 459 H1	SPRING, wheel cylinder			

STEERING AXLE REAR

MEMORANDA

STEERING AXLE REAR

STEERING AXLE AND RELATED PARTS (Non-Driving Type)



CE-92985B

STEERING AXLE REAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING AXLE AND RELATED PARTS — Continued (Non-Driving Type)			19	102 412 H1	SPACER (2)
1	173 367 H1	AXLE, rear steering 03962 and below (Order STEERING AXLE, 886 326 C1 and BELLCRANK, 886 325 C11)	20	102 413 H1	SEAL (2)
1	886 326 C1	AXLE, rear steering 03962 and up	21	103 391	PIN, cotter (2)
1	173 367 H2	AXLE, front steering	22	102 430 H1	NUT, cap - single (20)
	271 589	BOLT, 5/8"NF x 2-1/2" hex-hd (Adjusting steering stops) (2)	23	121 362 H1	HUB ASSY. (2)
	130 030	NUT, 5/8"NF hex (Adjusting steering stops) (2)	24	13 207 D	CUP, inner (2)
	271 636	BOLT, 3/4 x 2-1/2" hex-hd (Axle mounting) (8)	25	13 215 D	CUP, outer (2)
	18 558 R1	NUT, 3/4"NF hex (Axle mounting) (8)	26	121 364 H1	STUD (20)
2	102 406 H1	SPINDLE w/NUT, 117 249 H1, and two BUSHING, 102 368 H1	27	102 876 H1	CAP, hub
3	102 368 H1	BUSHING (2)	28	109 845 H1	LOCK RING, wheels (2)
4	117 249 H1 HL-1836	NUT WASHER, spindle	29	109 844 H1	WHEEL (2)
5	173 375 H1	ARM, front steering, RH		109 461	FITTING, grease - Spindles (4)
5	173 376 H1	ARM, front steering, LH			
5A	173 804 H1	ARM, rear steering, RH			
5A	173 803 H1	ARM, rear steering, LH			
6	103 909	KEY (2)			
7	218 408	NUT, 1-1/4"NF hex (2)			
8	131 035	WASHER, lock (2)			
9	107 853 H1	COLLAR (2)			
10	102 415 H1	LOCK RING, retainer (2)			
11	HL-3859	RETAINER, dirt seal (2)			
12	HL-1843	DIRT SEAL, king pin (2)			
13	102 414 H1	KING PIN (2)			
14	102 416 H1	KEEPER, king pin to axle (2)			
	103 028	NUT, 1/2"NF hex (2)			
	103 323	WASHER, 1/2" lock (2)			
15	102 408 H1 172 575	BEARING, thrust PLUG, welsh			
16	13 325 DC	BEARING CONE, inner (2)			
17	102 409 H1	BEARING CONE, outer (2)			
18	102 411 H1	COLLAR w/SPACER, 102 412 H1, and SEAL, 102 413 H1 (2)			

§ - Not Furnished Separately.



SECTION 8

STEERING GEAR

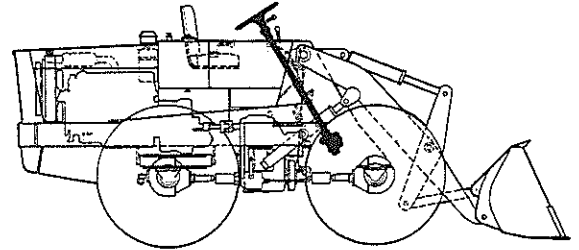


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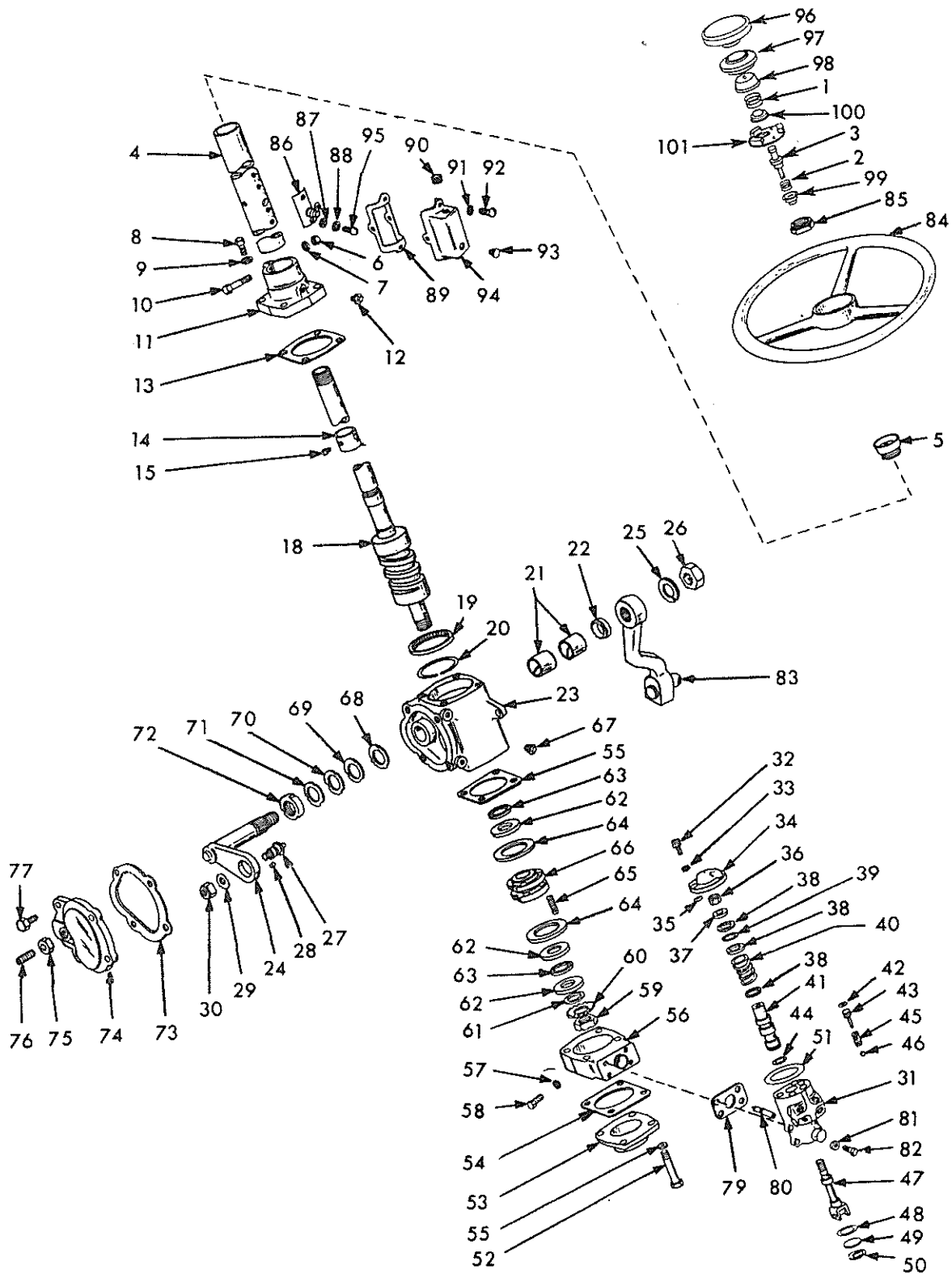
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STEERING GEAR

ROSS STEERING GEAR



CE-89012A

STEERING GEAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ROSS STEERING GEAR — Continued			15	861 293 R1	SCREW, machine
Used on Machines of Serial Number: S/N 10BH-1701 thru 1916 and 1918, 1920 thru 1924, 1926 thru 1928, 1930 thru 1935, 1937 thru 1940, and 10BH-2078 and 2080 and up.			18	178 134 H1	CAM and TUBE ASSEMBLY (Steering Gear C)
11BH-1201 thru 1398 and 1400 11BH-1507 and up			18	160 053 H1	CAM and TUBE ASSEMBLY (Steering Gear A and B)
A	160 056 H1	STEERING GEAR CHUCK, less Steering Wheel, Pitman Arm and Horn Button Unit (REAR WHEEL DRIVE) (Includes Items 1 thru 82, except items indicated) (Order STEERING GEAR, 877 876 C91)	19	205 369 R91	BEARING, roller (2)
B	877 876 C91	STEERING GEAR CHUCK, less Steering Wheel, Pitman Arm and Horn Button Unit (4-WHEEL DRIVE) (Includes Items 1 thru 82, except items indicated)	20	146 364 H1	RING, retaining (2)
C	173 389 H1	STEERING GEAR CHUCK, less Steering Wheel, Pitman Arm and Horn Button Unit (FRONT WHEEL DRIVE) (Includes Items 1 thru 82, except items indicated)	21	68 031 HA	BEARING, sleeve (2)
1	125 039 H1	CUP, contact	22	120 080 H1	SEAL, oil
2	54 683 H	SPRING	23	146 363 H1	HOUSING ASSEMBLY (Steering Gear A only) (Composed of - 2 BEARING, roller 205 369 R91 2 RING, retaining 146 364 H1 2 BEARING, sleeve 120 088 H1 1 OIL SEAL 120 080 H1 § 1 HOUSING)
3	160 055 H1	CABLE ASSEMBLY (Composed of - § 1 LEAD 1 TERMINAL 120 081 H1 1 TERMINAL 150 770 H1 1 FERRULE 120 086 H1 1 INSULATOR 983 894 R1)	23	177 266 H1	HOUSING ASSEMBLY (Steering Gear B and C) (Composed of - 2 BEARING, roller 205 369 R91 2 RING, retaining 146 364 H1 2 BEARING, sleeve 120 088 H1 1 OIL SEAL 120 080 H1 § 1 HOUSING)
4	178 135 H1	JACKET and TUBE w/BEARING, 176 399 H2	24	146 367 H1	LEVER SHAFT ASSEMBLY (Steering Gear A only) (Includes Items 25 thru 30)
5	176 399 H2	BEARING, jacket tube	24	177 268 H2	LEVER SHAFT ASSEMBLY (Steering Gear B and C only) (Includes Items 25 thru 30)
6	120 369	NUT	25	103 336	WASHER, lock
7	120 382	WASHER, lock	26	220 547 H1	NUT
8	180 137	SCREW, 3/8"NC x 2-3/4" cap (4)	27	871 252 R91	BEARING ASSEMBLY (Includes Items 28 thru 30)
9	177 276 H1	WASHER, plain (4)	28	85 917 R1	BEARING, roller (26)
10	181 378	SCREW, cap	29	88 428 H	WASHER, pronged
11	146 371 H1	COVER, upper	30	192 510 R1	NUT
12	445 684	PLUG, 1/8" pipe	31	154 267 H2	VALVE ASSEMBLY (Steering Gear A only) (Includes Items 32 thru 51)
13	146 372 H1	GASKET			
14	160 031 H1	RING ASSEMBLY, contact			

§ - Not Furnished Separately.

STEERING GEAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ROSS STEERING GEAR — Continued			62	146 381 H1	WASHER, thrust (3)
31	866 227 R91	VALVE ASSEMBLY (Steering Gear B and C only) (Includes Items 32 and 34 thru 50)	63	368 372 R91	BEARING, thrust (2)
32	220 548 H1	BOLT and WASHER ASSEMBLY (2)	64	146 398 H1	WASHER, flat (2)
33	445 686	PLUG (Steering Gear A only) (2)	65	216 415 R1	SPRING (4)
34	175 321 H3	COVER, end (Steering Gear B and C)	66	146 379 H1	ACTUATOR
34	146 393 H2	COVER, end (Steering Gear A only)	67	444 576	PLUG, 1/4" pipe (2)
35	359 158 R1	"O" RING (@) (2)	68	146 406 H1	WASHER, key (Used with Steering Gear A only)
36	19 503 R1	NUT, 5/16"NF-24	178 136 H1		SHIM (.020") (AR) (Used with Steering Gear A only)
37	146 389 H1	WASHER, flat	69	146 405 H1	SHIM (.010") (AR) (Used with Steering Gear A only)
38	216 431 R1	WASHER, flat (3)	70	146 404 H1	SHIM (.004") (AR) (Used with Steering Gear A only)
39	574 095 R1	"O" RING (@)	71	146 403 H1	SHIM (.002") (AR) (Used with Steering Gear A only)
40	146 387 H1	SPRING	72	146 402 H1	WASHER, thrust
41		SPOOL (Not furnished separately)	73	871 254 R1	GASKET
42	352 219 R1	"O" RING (@)	146 401 H		WASHER (Used with Steering Gear A only)
43	373 062 R91	PLUG ASSEMBLY	74	146 369 H1	COVER w/NUT, 120 069 H1 and SCREW, 50 443 H (Used with Steering Gear A only)
44	149 923 H1	"O" RING (@)	74	177 269 H1	COVER w/NUT, 120 069 H1 and SCREW, 50 443 H (Used with Steering Gear B and C)
45	130 128 H1	SPRING	75	120 069 H1	NUT, lock
46	16 008 R1	BEARING, ball	76	50 443 H	SCREW, adjusting
47	372 793 R91	FLEXURE ROD ASSEMBLY	77	208 395 H1	BOLT and WASHER ASSEMBLY (4)
48	368 042 R1	"O" RING (@)	79	216 426 R1	GASKET
49	372 798 R1	PLATE, end	80	146 397 H1	LEVER, actuating
50	338 835 R1	RING, retaining	81	154 274 H1	WASHER, flat (Used with 160 056 H1, Steering Gear only) (4)
51	162 062 H1	"O" RING (Steering Gear A only)	82	220 549 H1	SCREW, cap (4)
52	185 481 H1	BOLT and WASHER ASSEMBLY (4)	83	181 790 H1	ARM, steering gear
53	164 918 H1	COVER, end	84	120 096 H1	WHEEL, steering
54	216 419 R1	GASKET (2)	85	368 576 R1	NUT, wheel
55	273 308 C1	WASHER			
56	146 395 H1	HOUSING and BUSHING ASSEMBLY			
57	313 348 R1	WASHER, lock			
58	216 410 R1	SCREW, cap			
59	127 708	NUT, lock			
60	146 382 H1	WASHER, lock			
61	138 708 H1	WASHER, key (Used with Steering Gear A only)			

(@) - Part of "O" RING KIT, 216 439 R91,
(AR) - As Required.

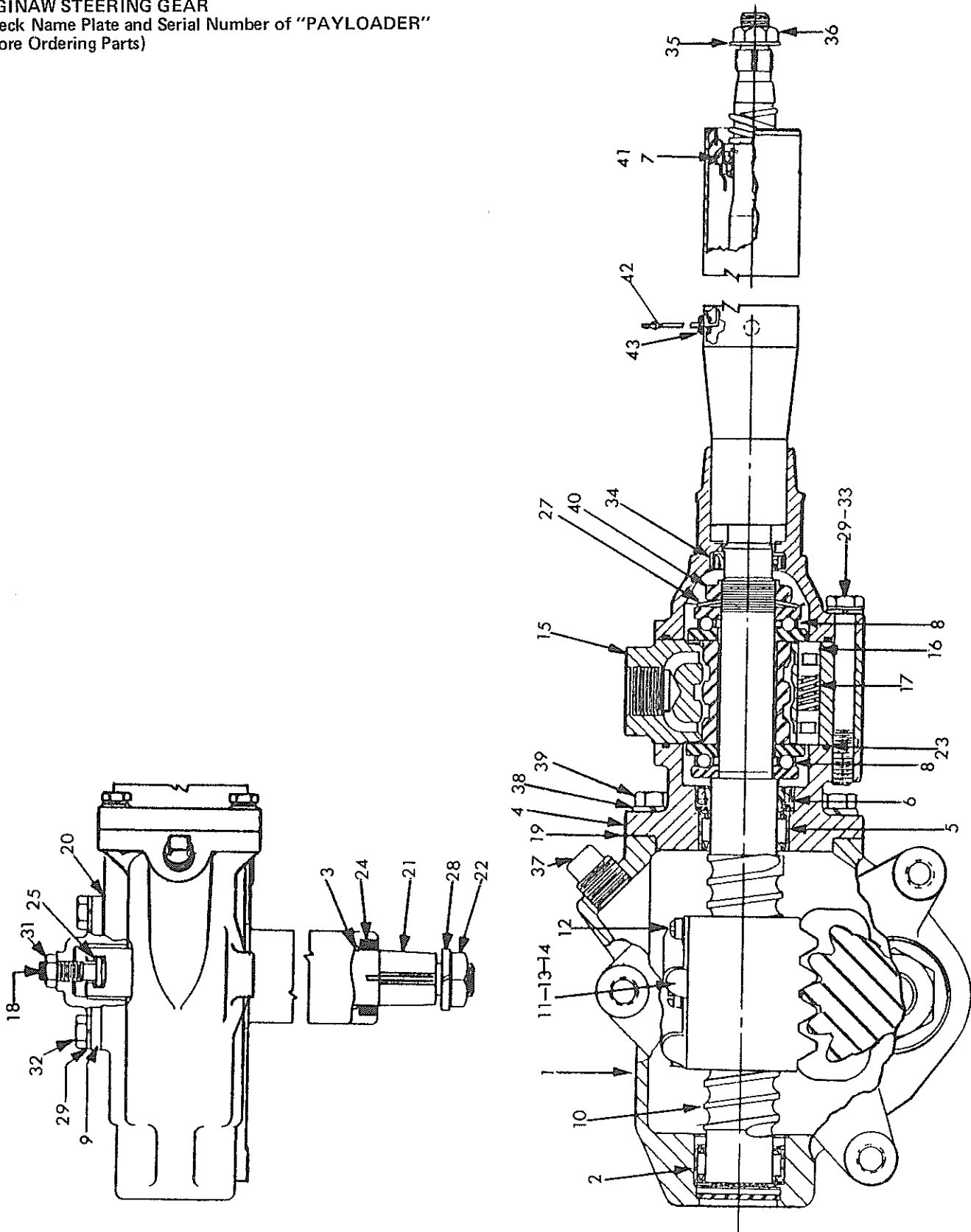
STEERING GEAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ROSS STEERING GEAR — Continued			216 439 R91	KIT, "O" ring (Consists of -	
86	125 815 H1	BRUSH		1 "O" RING	149 923 H1
87	114 986	WASHER, flat (2)		1 "O" RING	352 219 R1
88	115 544	WASHER, lock (2)		2 "O" RING	359 158 R1
89	153 370 H1 127 583 H1	GASKET COVER ASSEMBLY (Includes items 90, 93 and 94)		1 "O" RING	368 042 R1
90		GROMMET, rubber (Not furnished separately)		1 "O" RING	574 095 R1)
91	115 544	WASHER, lock (4)			
92	112 865	SCREW, machine (4)			
93		PLUG, rubber (Not furnished separately)			
94		COVER, contact brush (Order 127 583 H1)			
95	112 865	SCREW, machine (2)			
	138 445 H1	HORN BUTTON UNIT (Includes items 96 thru 101)			
96	120 099 H1	CAP, rubber			
97	120 098 H1	BUTTON, horn			
98	54 681 HA	CAP, contact			
99	68 025 H	CUP, contact			
100	54 679 H	SPRING			
101	125 059 H1	BASE PLATE ASSEMBLY			
	130 127	SCREW, wood (3)			
	181 678	SCREW, hex-hd (2)			
	25 269 R1	SCREW, 7/16"NC x 6" hex-hd			
	177 277 H1	WASHER, plain (6)			
	271 506	NUT, hex (3)			
	120 086 H1	FERRULE (Part of CABLE ASSY., 160 055 H1)			
	983 894 R1	INSULATOR (Part of CABLE ASSY., 160 055 H1)			
	120 081 H1	TERMINAL (Part of CABLE ASSY., 160 055 H1)			
	150 770 H1	TERMINAL (Part of CABLE ASSY., 160 055 H1)			
		LEAD, electrical (Part of CABLE ASSY., 160 055 H1)			

STEERING GEAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SAGINAW STEERING GEAR
(Check Name Plate and Serial Number of "PAYLOADER"
Before Ordering Parts)



CE-89301 A

STEERING GEAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SAGINAW STEERING GEAR — Continued (Check Name Plate and Serial Number of "PAYLOADER" Before Ordering Parts)			25	122 511 H1	KIT, shim
				HA-1440	SHIM (.063")
				HA-1441	SHIM (.065")
				HA-1445	SHIM (.067")
				HA-1446	SHIM (.069")
		For FRONT WHEEL DRIVE - REAR WHEEL STEER UNITS ONLY with Serial Numbers of 10BH-1917, 1919, 1925, 1929, 1936, 1941 thru 2077 and 2079, 11BH-1399, 1401 thru 11BH-1506. Others use Ross Steering Gear shown in Section 8.	27	172 352 H1	SPRING
	184 685 H2	STEERING GEAR CHUCK (Includes Items 1 thru 43)	28	103 327	WASHER, 7/8" lock
1	186 474 H1	HOUSING ASSEMBLY (Includes Items 2 and 3)	29	103 321	WASHER, 3/8" lock (6)
2	578 118 R91	BEARING	31	272 121	NUT JAM, 7/16"NF
3	186 475 H1	BUSHING	32	179 837	SCREW, 3/8 x 3/4"NC cap (3)
4	186 468 H1	ADAPTER ASSEMBLY (Includes Items 5 and 6)	33	179 851	SCREW, 3/8 x 3"NC cap (3)
5	578 118 R91	BEARING	34	190 829 H1	SEAL, valve cover
6	186 469 H1	SEAL	35	HA-1492	WASHER
7		BEARING ASSEMBLY, upper (Order Item 41)	36	HA-1232	NUT
8	158 297 H1	BEARING, thrust (2)	37	444 588	PLUG, 1/2"
9	186 470 H1	COVER ASSEMBLY	38	103 322	WASHER, 7/16" lock (4)
10	186 507 H1	SHAFT ASSEMBLY (Includes items 11 thru 14)	39	HS-931	BOLT (4)
11	HS-911	BALL (106)	40	158 336 H1	NUT
12	107 940 H1	BOLT and WASHER (3)	41	186 505 H2	BEARING and CABLE ASSEMBLY (Includes Items 7 and 42)
13	107 941 H1	CLAMP, guide	42		CABLE ASSEMBLY (Order Item 41)
14	107 942 H1	GUIDE (4)	43	187 540	GROMMET
15	186 477 H1	VALVE ASSEMBLY (Includes Items 16 and 17)		179 862	SCREW, cap (Steering Gear Mounting), 7/16 x 1-1/2"NC (3)
16	186 478 H1	PLUNGER (10)		HA-1231	WHEEL, steering
17	186 479 H1	SPRING (5)		184 844 H1	COVER (Horn Button)
18	HS-914	ADJUSTER, lash		184 845 H1	SPRING (Horn Button)
19	186 480 H3	GASKET		184 863 H1	ARM, pitman
20	186 481 H1	GASKET		194 159 H1	COVER ASSEMBLY (Includes Items 34, 41 and 43)
21	186 482 H1	GEAR		186 282	BOLT, valve cover, 3/8 x 3-1/4"NC (3)
22	161 810 H1	NUT			
23	186 483 H1	SEAL (2)			
24	186 484 H1	SEAL			



SECTION 9

LINKAGE

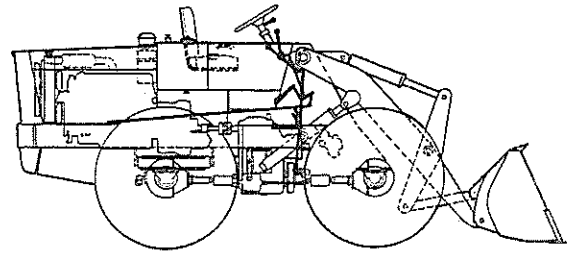


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LINKAGE

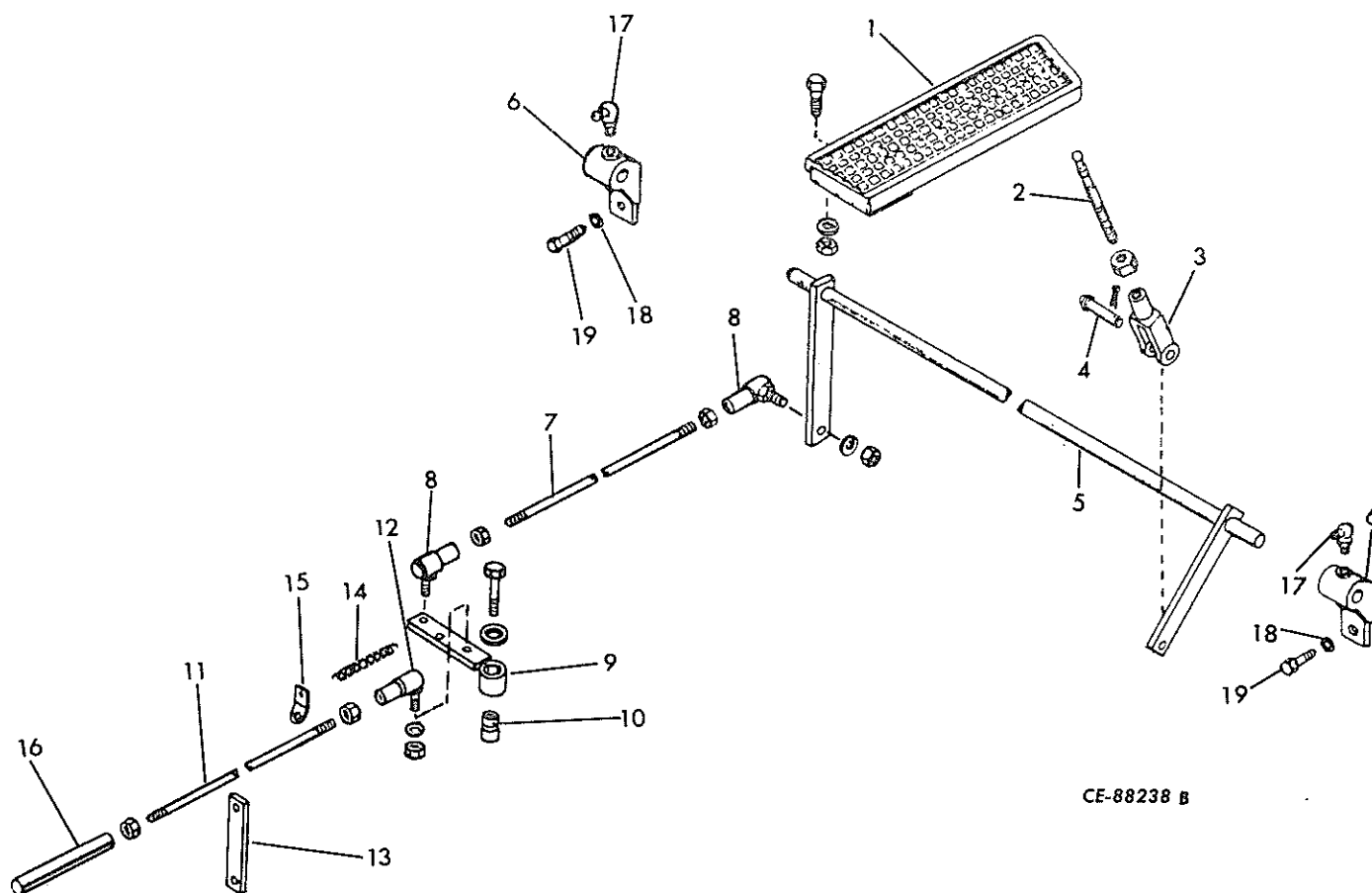
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ACCELERATOR LINKAGE (U-240 and D-236)					
1	141 689 H1	PIN, pedal	14	25 521 R1	NUT, 5/16"NF hex
2	25 521 R1	NUT, 5/16"NF hex	15	119 059 H1	SPRING (Gas)
3		PIN, 3/32 x 1/2" long cotter	15	130 801 H1	SPRING (Diesel)
4	114 784	PIN	16	159 679 H1	SUPPORT (Gas)
5	104 037	CLEVIS, 5/16" rod end	16	161 847 H1	SUPPORT (Diesel)
6	109 454	FITTING, grease (Used with BEARING, HA-800 only) (2)	17	26 030 R1	NUT, 1/4"NF hex
7	HA-800	BEARING (Order BEARING, 894 389 C1) (2)	18	25 532 R1	WASHER, 1/4" lock
7	894 389 C1	BEARING (2)	19	281 800 C92	JOINT, ball
8	25 532 R1	WASHER, 1/4" lock (4)	20	26 030 R1	NUT, 1/4"NF hex
9	179 795	SCREW, 1/4 x 3/4"NC cap (4)	21	157 461 H1	ROD, accelerator (Gas)
10	157 422 H2	SHAFT, cross	21	161 846 H3	ROD, accelerator (Diesel)
11	25 521 R1	NUT, 5/16"NF hex	22	109 084	NUT, 1/4"NF hex (2)
12	25 533 R1	WASHER, 5/16" lock	23	25 532 R1	WASHER, 1/4" lock (2)
13	158 396 H1	JOINT, ball	24	179 795	SCREW, 1/4 x 3/4"NF cap (2)
			25	155 596 H1	PEDAL, accelerator
				132 371 H1	CLIP
				193 707 H1	STOP, pedal (Gas only)
				114 492	NUT, 1-1/4"NF jam (Gas only)

CE-88232

LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ACCELERATOR LINKAGE (Gasoline G-263)

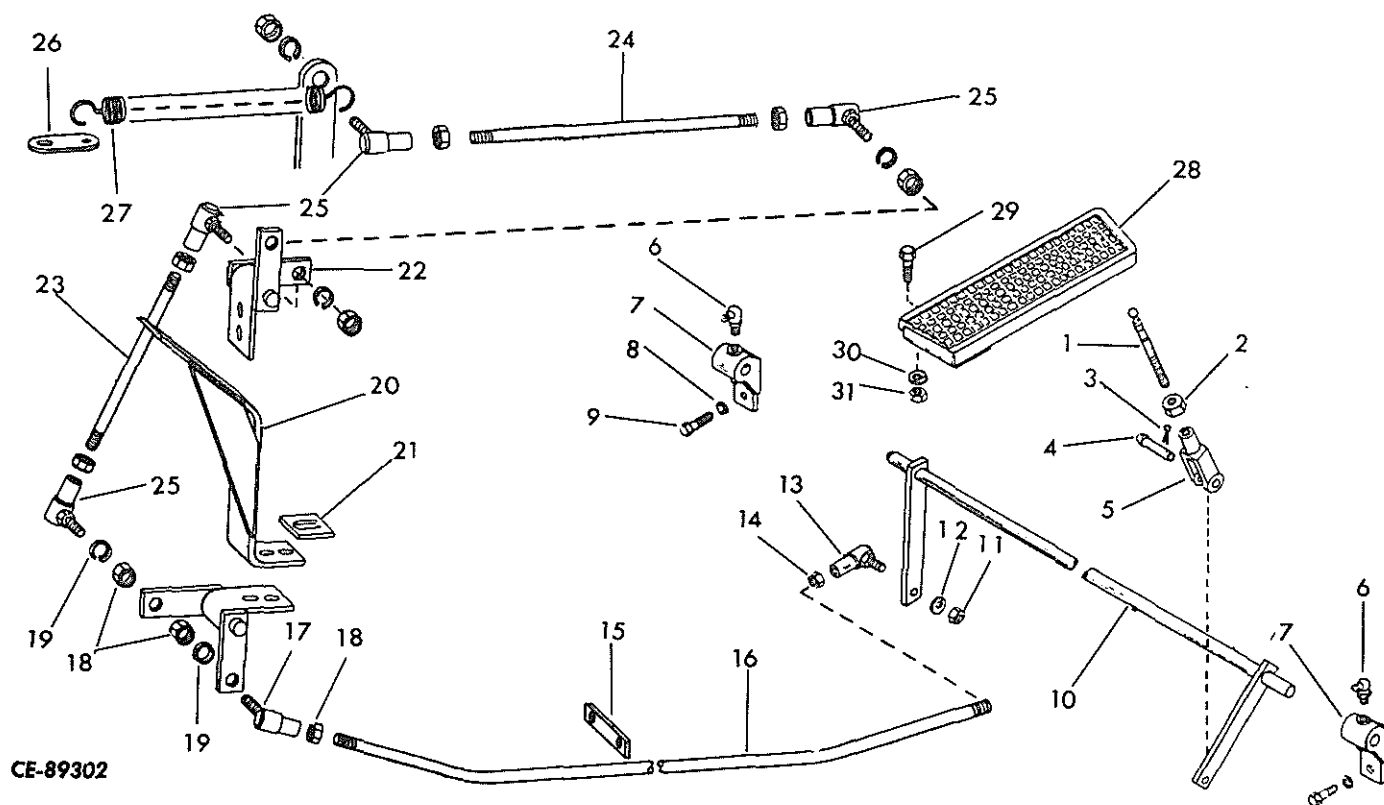


1	155 596 H1 181 313 26 030 R1 25 532 R1	PEDAL, accelerator SCREW, 1/4 x 3/4" NF cap (Pedal attaching) (2) NUT, 1/4" NF hex (Pedal attaching) (2) WASHER, 1/4" lock (Pedal attaching) (2)	9	186 246 H1 110 146 R91	BELLCRANK FITTING, grease
2	141 689 H1	PIN, accelerator pedal	10	186 249 H1 179 849 106 263	SPACER, bellcrank SCREW, 3/8 x 2-1/2" NC cap (Bellcrank) WASHER, 3/8" flat (Bellcrank)
3	104 037 25 521 R1	ADJUSTABLE YOKE END, 5/16" NUT, 5/16" NF hex	11	186 245 H1	ROD, accelerator rear
4	114 784	PIN	12	158 395 H1 26 030 R1 25 532 R1	BALL JOINT NUT, 1/4" NF hex (4) WASHER, 1/4" lock
5	157 422 H2	SHAFT, cross	13	179 234 H1 181 336 615 031 R1 25 533 R1 25 521 R1	LUG, accelerator rod guide SCREW, 5/16 x 3/4" NF cap (Lug mounting) WASHER, 5/16" flat (Lug mounting) WASHER, 5/16" lock (Lug mounting) NUT, 5/16" NF hex (Lug mount- ing)
6	HA-800	BEARING (Order BEARING, 894 389 C1) (2)	14	107 734 H1	SPRING, accelerator return
6	894 389 C1	BEARING (2)	15	HA-932	CLIP, spring
7	188 995 H1	ROD			
8	281 800 C92 26 030 R1 25 532 R1	BALL JOINT (2) NUT, 1/4" NF hex (4) WASHER, 1/4" lock (2)			

LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ACCELERATOR LINKAGE — Continued (Gasoline G-263)					
16	152 971 C1	COUPLING, governor control	18	25 532 R1	WASHER, 1/4" lock (4)
17	16 964 R91	FITTING, grease (Used with BEARING, HA-800 only) (2)	19	179 795	SCREW, 1/4 x 3/4"NC (4)

ACCELERATOR LINKAGE (Detroit Diesel 3-53)



LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ACCELERATOR LINKAGE — Continued (Detroit Diesel 3-53)					
			28	155 596 H1	PEDAL, accelerator
1	141 689 H1	PIN, pedal	29	179 795	SCREW, 1/4 x 3/4"NF cap (2)
2	25 521 R1	NUT, 5/16"NF hex	30	25 532 R1	WASHER, 1/4" lock (2)
3		PIN, 3/32 x 1/2" cotter	31	109 084	NUT, 1/4"NC hex (2)
4	114 784	PIN			
5	104 037	CLEVIS, 5/16" rod end			
6	16 964 R91	FITTING, grease (Used with BEARING, HA-800 only) (2)			
7	HA-800	BEARING (Order BEARING, 894 389 C1) (2)			
7	894 389 C1	BEARING (2)			
8	25 532 R1	WASHER, 1/4" lock (4)			
9	179 795	SCREW, 1/4 x 3/4"NF cap (4)			
10	157 422 H2	SHAFT, cross			
11	25 521 R1	NUT, 5/16"NF hex			
12	25 533 R1	WASHER, 5/16" lock			
13	158 396 H1	JOINT, ball			
14	25 521 R1	NUT, 5/16"NF hex			
15	156 838 H1	LINK			
16	184 950 H1	ROD, accelerator			
17	158 396 H1	JOINT, ball			
18	25 521 R1	NUT, 5/16"NF hex (9)			
19	25 533 R1	WASHER, 5/16" lock (5)			
20	187 857 H1	BRACKET			
21	184 953 H1	SPACER			
	16 964 R91	FITTING, grease (2)			
	181 319	SCREW, cap - Bellcrank and bracket to seat deck (2)			
	106 261	WASHER, 1/4" flat			
	181 313	SCREW, cap - Bracket to panel and bellcrank to bracket (3)			
	26 030 R1	NUT, 1/4"NF hex (5)			
	25 532 R1	WASHER, 1/4" lock (5)			
22	184 952 H1	BELLCRANK (2)			
23	129 744 H1	ROD (Bellcrank to bellcrank)			
24	130 567 H1	ROD (Bellcrank to lever on engine)			
25	158 396 H1	JOINT, ball (4)			
26	132 255 H1	CLIP, accelerator return			
27	130 801 H1	SPRING, piston return			

LINKAGE

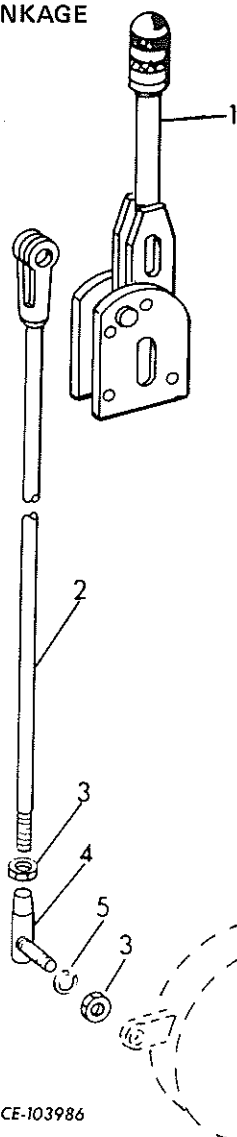
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AXLE THROWOUT LINKAGE					
921 216 C91	KIT, axle throwout linkage U004502 and up (Consists of the following parts -				
1	271 564	SCREW, 5/8 x 2-1/2"NC cap	12	180 212 H1	ROD
2	103 325	WASHER, 5/8" lock	13	176 953 H1	BELLCRANK w/two BUSHING, 144 244 H1
3	106 267	WASHER, 5/8" flat	14	176 947 H1	SLEEVE
4	22 288 R1	"O" RING (4)	15	176 948 H1	WASHER, flat (2)
5	144 301 H1	TUBE, lever pivot	16	179 894	SCREW, 1/2 x 3-1/4"NC cap
6	144 244 H1	BUSHING (4)	17	114 787	PIN (3)
7	HL-3343	KNOB	18	108 630	PIN, 1/8 x 7/8" cotter (3)
8	176 952 H1	LEVER w/two BUSHING, 144 244 H1	19	176 949 H1	LINK (2)
9	103 323	WASHER, 1/2" lock	20	109 462	FITTING, grease (2)
10	103 028	NUT, 1/2"NF hex (3)	21	104 039	CLEVIS
11	149 723 H1	BALLJOINT			

CE-88233

LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION
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PARKING BRAKE LINKAGE

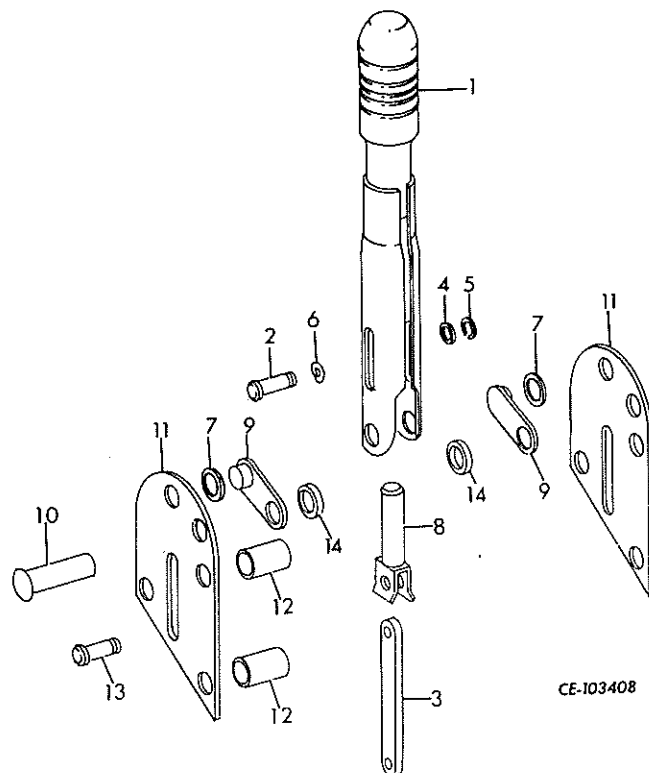


CE-103986

- | | | |
|---|------------|--|
| 1 | | LEVER, parking brake (For components, see "Parking Brake Lever" in this section) |
| 2 | 157 366 H1 | ROD |
| 3 | 103 026 | NUT, 3/8" NF hex (2) |
| 4 | 158 397 H1 | BALLJOINT |
| 5 | 103 321 | WASHER, 3/8" lock |

REF. NO.	PART NUMBER	DESCRIPTION
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PARKING BRAKE LEVER



CE-103408

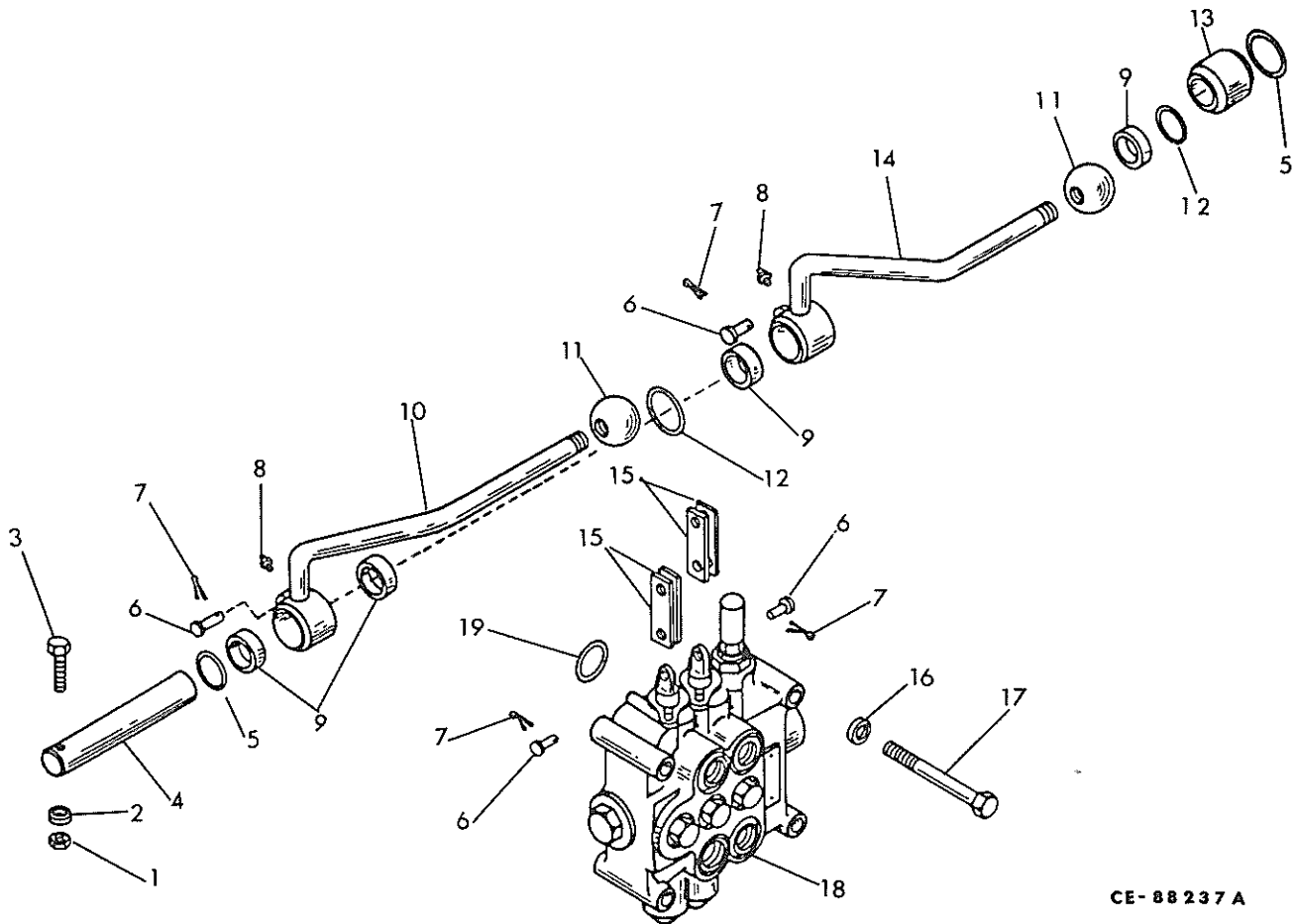
- | | | |
|----|-----------------------|---|
| | 115 086 H1 | PARKING BRAKE LEVER ASSY.
(Consists of the following parts - |
| 1 | | LEVER, handle (Not furnished separately) |
| 2 | 150 742 H1 | PIN |
| 3 | | LINK (Not furnished separately) |
| 4 | 103 340 | WASHER, 5/16" flat |
| 5 | 392 320 R1 | RING, retaining |
| 6 | 158 404 H1 | WASHER |
| 7 | | WASHER, 3/8" flat (Not furnished separately) (2) |
| 8 | | TUBE, adjusting (Not furnished separately) |
| 9 | | BRACKET, pivot (Not furnished separately) |
| 10 | | RIVET (Not furnished separately) |
| 11 | | BRACKET, mounting (Not furnished separately) |
| 12 | 134 704 H1 | SPACER (2) |
| 13 | 104 497 R2
103 373 | PIN
PIN, cotter |
| 14 | 104 936 R1 | SPACER (2) |

LINKAGE

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

(Not used on units equipped with Hydraulic Adapter Kit)



CE-88237A

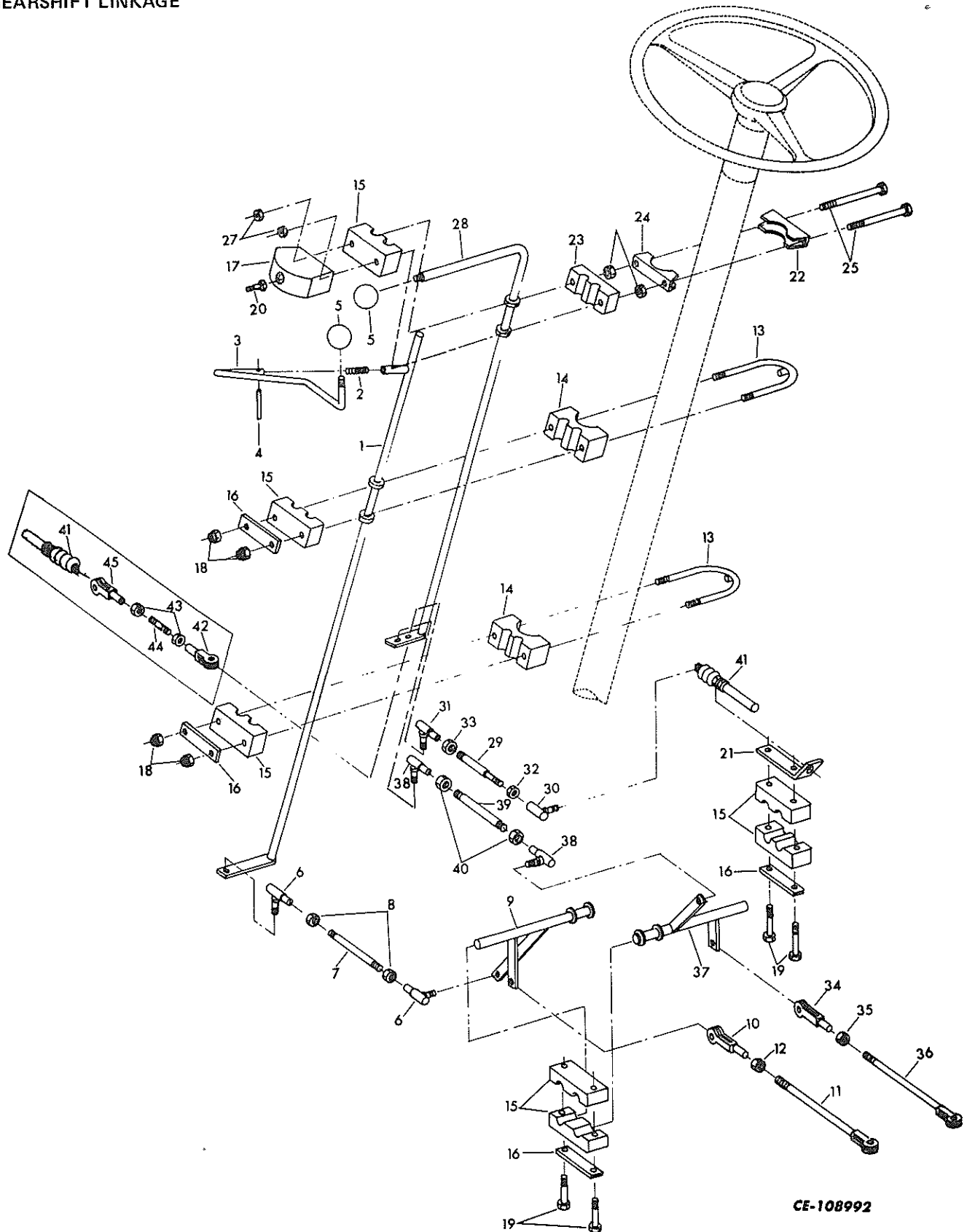
1	103 025	NUT, 5/16"NF hex	11	923 134 C1	KNOB (2)
2	615 031 R1	WASHER, 5/16" lock	12	293 739 R1	"O" RING (2)
3	181 349	SCREW, 5/16 x 2-1/2" cap	13	161 611 H1	SPACER
4	161 632 H1	PIN, control mounting (Not used on units equipped with I.H. Backhoe)	14	158 036 H2	LEVER, bucket (Includes 2 of Item 9)
4	169 428 H1	PIN, control mounting (Used on units equipped with I.H. Backhoe)	15	158 042 H1	LINK (4)
5	307 915 R1	"O" RING (2)	16	103 321	WASHER, 3/8" lock (4)
6	114 784	PIN (4)	17	186 310	SCREW, 3/8 x 3-1/2"NF cap (4)
7		PIN, 3/32 x 1/2" cotter (4)	18		VALVE, control (Refer to "Two Spool Control Valve")
8	109 461	FITTING, grease (2)	19	356 005 R1	"O" RING
9	144 244 H1	BEARING (4)			
10	158 039 H2	LEVER, boom (Includes 2 of Item 9)			

LINKAGE

MEMORANDA

LINKAGE

GEARSHIFT LINKAGE



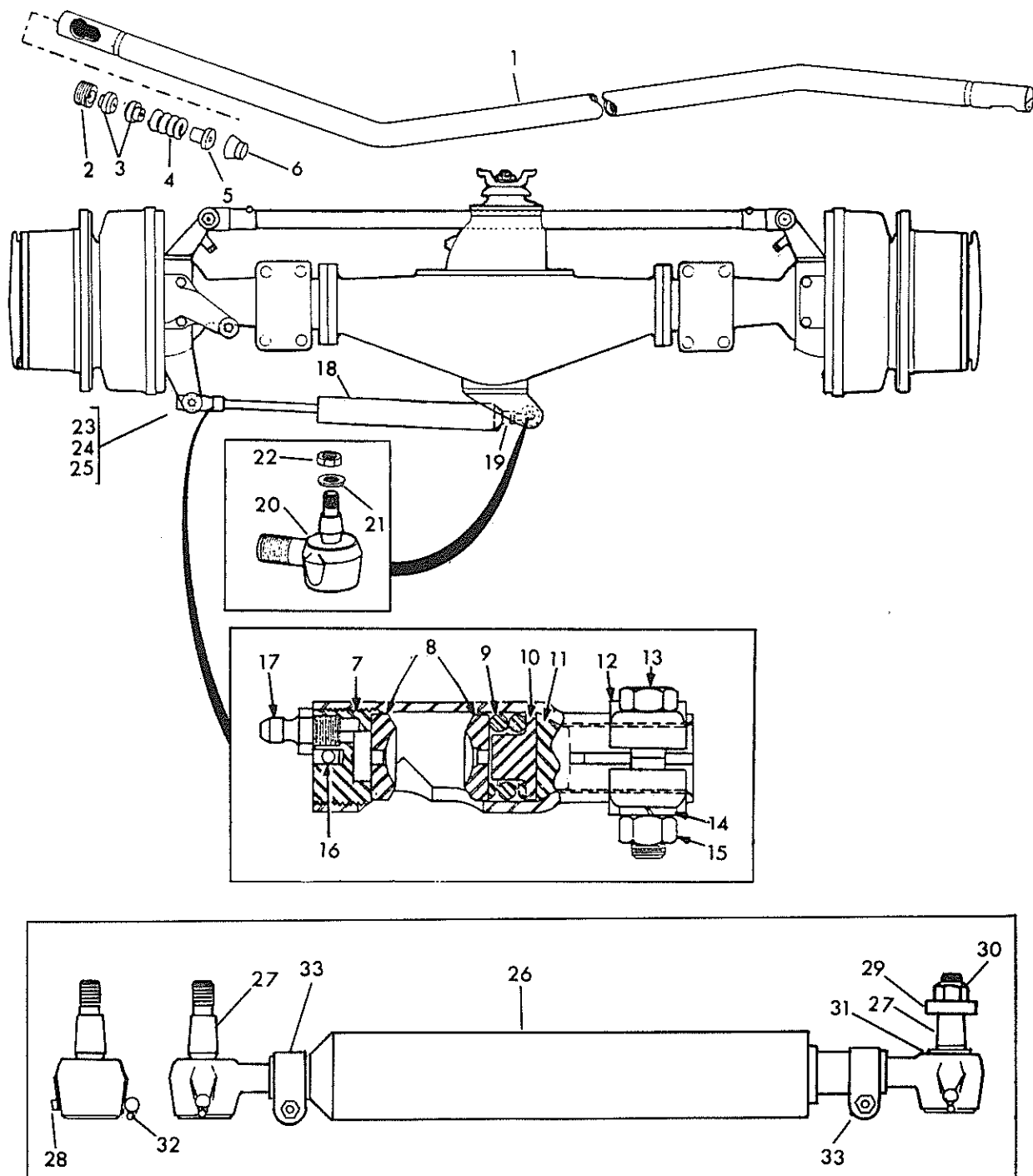
CE-108992

LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARSHIFT LINKAGE — Continued					
1	175 718 H1	LEVER, range	29	937 732 C1	ROD, stud 05394 and up
2	125 548 H1	SPRING	30	303 883 C91	JOINT, ball 05394 and up
3	153 963 H1	LEVER		120 614	NUT
4	153 964 H1	PIN, roll	31	310 673 R91	JOINT, ball 05394 and up
5	923 134 C1	KNOB (2)		25 521 R1	NUT
6	310 673 R91 103 320 103 025	JOINT, ball (2) WASHER, lock (2) NUT (2)	32	120 614	NUT 05394 and up
7	130 567 H1	ROD, stud	33	25 521 R1	NUT 05394 and up
8	103 025	NUT (2)	34	104 037 114 784	YOKE, clevis PIN, clevis
9	175 720 H1	BELLCRANK, range	35	103 025 103 320	NUT WASHER, lock
10	104 037 114 784	YOKE, clevis PIN, clevis	36	157 316 H1 114 784	YOKE END PIN, clevis
11	157 317 H1 114 784	YOKE END PIN, clevis	37	189 450 H1	BELLCRANK, forward and reverse
12	103 025	NUT	38	310 673 R91 103 025	JOINT, ball (2) NUT (2)
13	144 405 H1	"U" BOLT (2)	39	130 567 H1	ROD, stud
14	144 069 H1	BLOCK, bearing (2)	40	103 025	NUT (2)
15	144 070 H1	BLOCK, bearing (7)	41		SWITCH, neutral safety (Refer to "Neutral Safety Switch") 03822 and Up
16	146 989 H1	PLATE (4)	42	163 710 H1 114 784	YOKE, clevis PIN, clevis 03822 thru 05393
17	171 670 H1	QUADRANT	43	103 088 H1	NUT (2) 03822 thru 05393
18	19 277 R1	LOCKNUT (4)	44	222 009 H1	ROD, stud 03822 thru 05393
19	181 348 19 503 R1	SCREW, hex-hd cap (4) NUT (4)	45	124 585 H1 114 782	YOKE, clevis PIN, clevis 03822 thru 05393
20	153 965 H1 103 340 103 320 103 634	SCREW, hex-socket head, range stop WASHER, flat WASHER, lock NUT			
21	937 731 C1	SUPPORT, neutral safety switch 05394 and up			
22	181 836 H1	CLAMP, saddle			
23	181 837 H1	BLOCK, bearing			
24	181 835 H1	CLAMP, saddle			
25	207 253 H2	SCREW, hex-hd cap (2)			
26	114 493	NUT, jam (2)			
27	103 025	NUT (2)			
28	157 297 H2	LEVER, forward and reverse			

LINKAGE

STEERING LINKAGE (4-Wheel Drive Only)



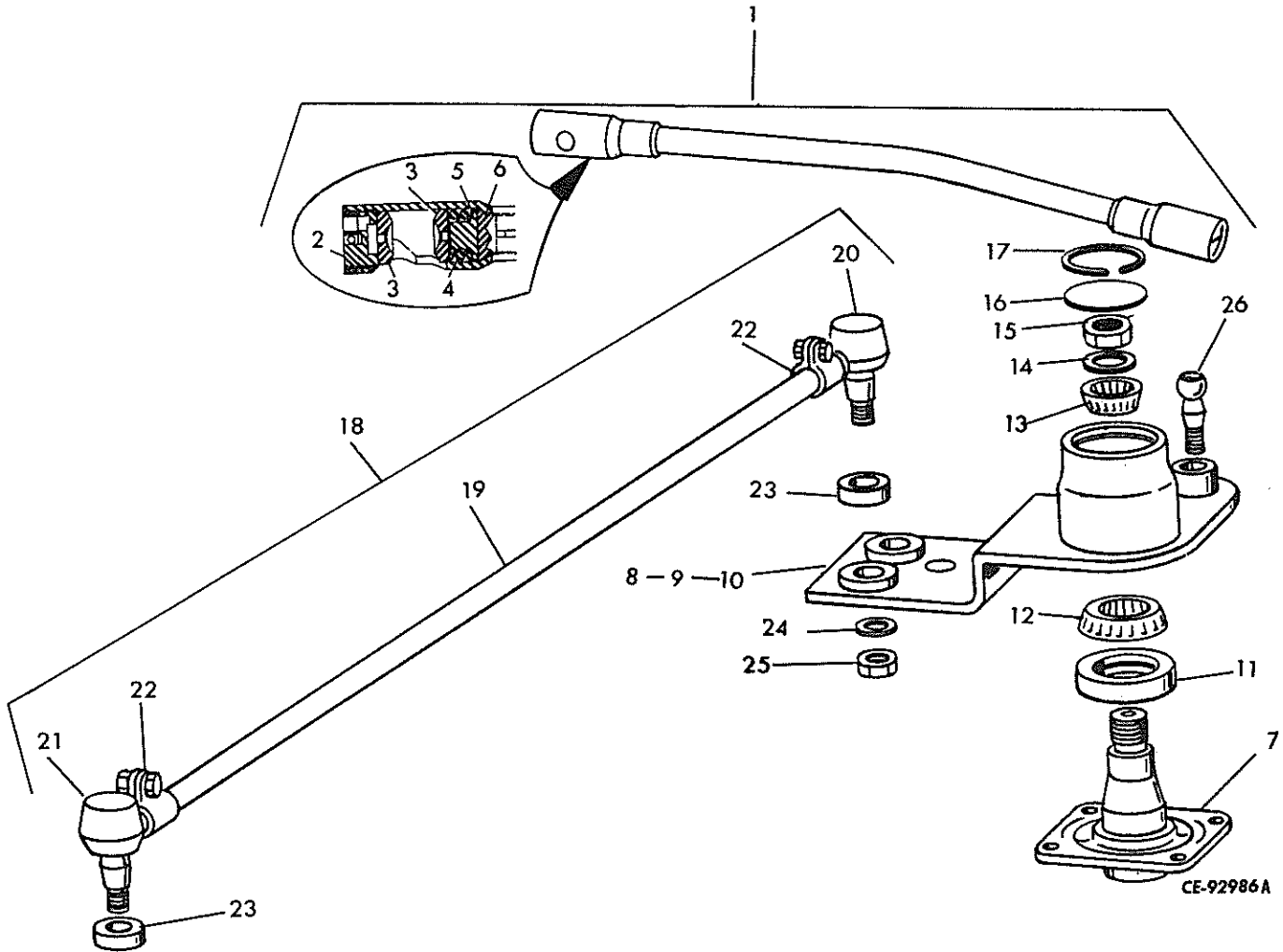
CE-89304

LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING LINKAGE — Continued (4-Wheel Drive Only)			21	178 199 H1	WASHER 01665 and below
1	157 493 H1	DRAG LINK, steering (Includes Items 2 thru 6)	22	178 200 H1	NUT, lock 01665 and below
2	145 862 H1	PLUG, adjusting (2)	23	178 200 H1	NUT 01665 and below
3	26 935 H	BEARING, ball stud (4)	24	178 199 H1	WASHER 01665 and below
4	26 936 H	SPRING (2)	25	157 085 H1	STUD, ball 01665 and below
5	120 655 H1	GUIDE, spring (2)	26		CYLINDER, steering (See "Steering Cylinder" in Section 11)
6	145 863 H1 109 461 103 388	SEAT, spring (2) FITTING, grease drag link (2) PIN, 1/8 x 1-3/4" cotter drag link (2)	27	188 951 H1	JOINT, ball (2) 01666 and up
	144 287 H1	SEAL, grease drag link (2)	28	444 687	PLUG, 1/8" pipe (2) 01666 and up
7	145 862 H1	PLUG, adjusting 01665 and below	29	189 074 H1	WASHER (2) 01666 and up
8	26 935 H	BEARING (2) 01665 and below	30	18 453 R1	NUT, 5/8"-18NF (2) 01666 and up
9	120 654 H1	SPRING 01665 and below	31	189 073 H1	SEAL, grease (2) 01666 and up
10	120 655 H1	GUIDE, spring 01665 and below	32	109 462	FITTING, grease (2) 01666 and up
11	145 863 H1	SEAT 01665 and below	33		CLAMP (See "Steering Cylinder" in Section 11) (2)
	145 883 H1	CLAMP ASSEMBLY (Includes items 12 thru 15) 01665 and below			
12		CLAMP, (Order 145 883 H1) 01665 and below			
13	181 406	SCREW, 7/16 x 2"NF cap 01665 and below			
14	103 322	WASHER, 7/16" lock 01665 and below			
15	271 505	NUT, 7/16"NF hex 01665 and below			
16	103 388	PIN, 1/8 x 1-3/4" cotter 01665 and below			
17	109 462	FITTING, grease 01665 and below			
18		CYLINDER, steering (See "Steering Cylinder" in Section 11)			
19		CLAMP ASSEMBLY (See "Steering Cylinder" in section 11)			
20	157 612 H1	BALL SOCKET 01665 and below			
	26 496 H	WASHER			
	144 288 H1	SEAL, grease			
	109 461	FITTING, grease			

LINKAGE

STEERING LINKAGE (Two-Wheel Drive Only)



LINKAGE

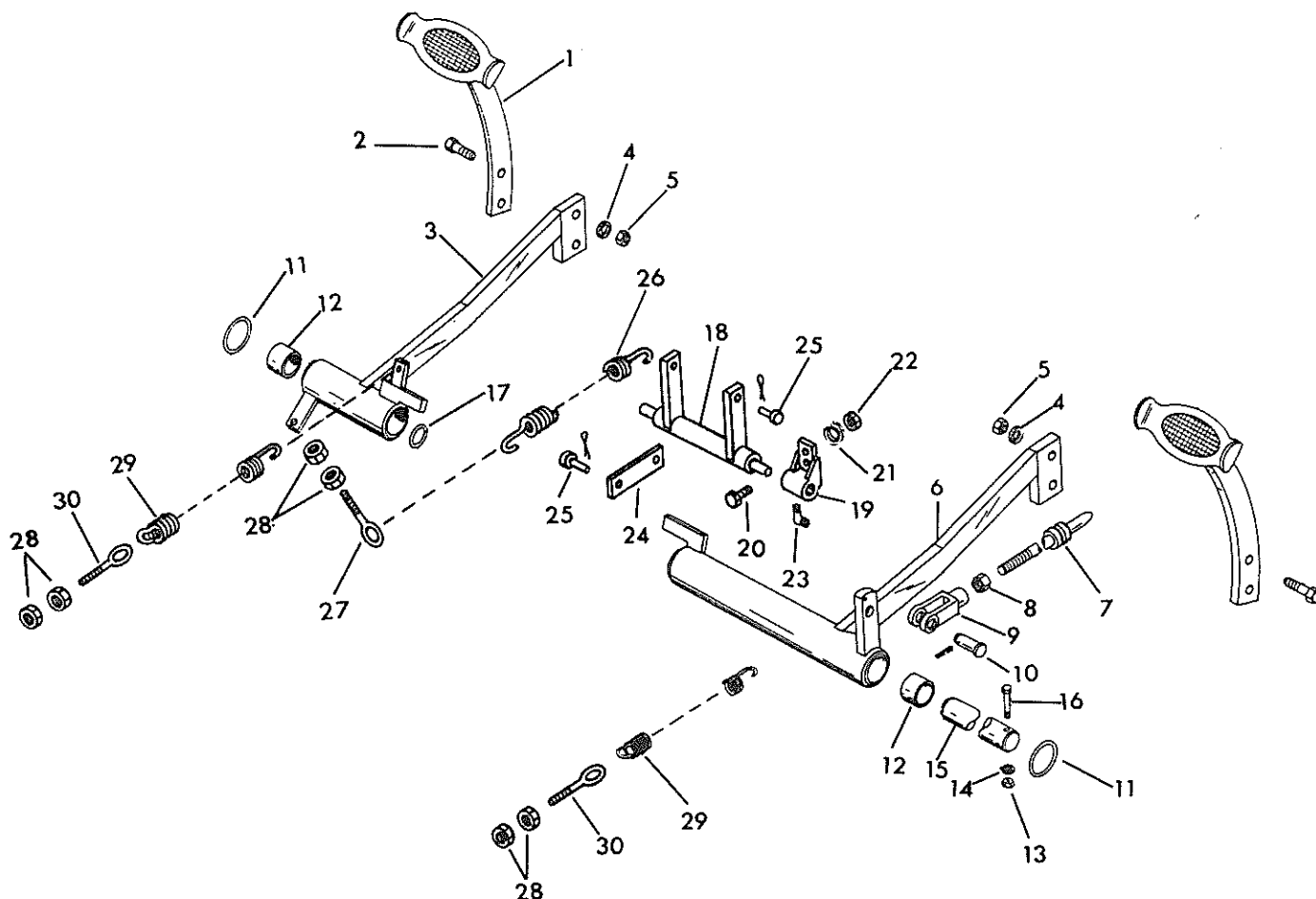
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING LINKAGE — Continued (Two-Wheel Drive Only)			14	103 347	WASHER, 7/8" flat
1	173 390 H1	DRAG LINK ASSEMBLY, front wheel drive (Composed of - 2 PLUG 145 862 H1 4 BEARING 26 935 H 2 SPRING 26 936 H 2 SPRING GUIDE 120 655 H1 2 SEAT 145 863 H1 § 1 LINK)	15	18 501 R1	NUT, 7/8"NF hex
1	173 380 H1	DRAG LINK ASSEMBLY, rear wheel drive (Composed of - 2 PLUG 145 862 H1 4 BEARING 26 935 H 2 SPRING 26 936 H 2 SPRING GUIDE 120 655 H1 2 SEAT 145 863 H1 § 1 LINK)	16	144 115 H1	COVER, dust
2	145 862 H1	PLUG, adjusting (2)	17	304 834 R1	RING, retaining
3	26 935 H	BEARING, ball stud (4)	18	173 805 H1	TIE ROD ASSEMBLY (Front Wheel Drive) (2) (Composed of - § 1 ROD 1 SOCKET 128 560 H1 1 SOCKET 128 561 H1 2 CLAMP 128 559 H1 2 BOLT 128 556 H1 2 WASHER 103 322 2 NUT 103 024)
4	26 936 H	SPRING (2)	18	173 387 H1	TIE ROD ASSEMBLY (Rear Wheel Drive) (2) § 1 ROD 1 SOCKET 128 560 H1 1 SOCKET 128 561 H1 2 CLAMP 128 559 H1 2 BOLT 128 556 H1 2 WASHER 103 322 2 NUT 103 024)
5	120 655 H1	GUIDE, spring (2)	19		ROD (Not furnished separately)
6	145 863 H1	SEAT (2)	20	128 560 H1	SOCKET, RH
7	143 888 H1 181 429 103 323 103 028	PIN, bellcrank swivel BOLT, 1/2"NF x 1-1/4" (4) WASHER, 1/2" lock (4) NUT, 1/2"NF hex (4)	21	128 561 H1	SOCKET, LH
8	178 234 H2	BELLCRANK w/CUP, 882 290 C1 and CUP, 882 291 C1 (Rear Wheel Drive)	22	128 559 H1 181 406 103 322 271 505	CLAMP, w/o hardware (2) BOLT, 7/16"NF x 2" (2) WASHER, 7/16" lock (2) NUT, 7/16"NF hex (2)
8	178 233 H2	BELLCRANK w/CUP, 882 290 C1, and CUP, 882 291 C1 (Front Wheel Drive) 03962 and below (Order the following - 1 BELLCRANK 886 325 C11 1 PLATE, mounting 173 369 H1 1 DRAWING FGH-10884 1 DRAWING FGH-10869)	23	144 288 H1	SEAL, grease (4)
8	886 325 C11	BELLCRANK w/CUP, 882 290 C1, and CUP, 882 291 C1 (Front Wheel Drive) 03963 and up	24	26 496 H	WASHER (4)
9	882 290 C1	CUP, outer	25	19 263 R1	NUT (4)
10	882 291 C1	CUP, inner	26	157 085 H1 178 199 H1 178 200 H1	STUD, ball WASHER NUT
11	210 516 H1	SEAL, grease	109 461		FITTING, grease (5)
12	882 292 C91	CONE, inner	103 388		PIN, 1/8 x 1-3/4" cotter (2)
13	962 034 R91	CONE, outer			

§ - Not Furnished Separately.

LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BRAKE AND TRANSMISSION DISENGAGE LINKAGE



CE-89305

1	103 902 H1	PEDAL CONTROL (2)	6	194 364 H1	LEVER w/two BUSHINGS, 144 243 H1
2	181 374	SCREW, 3/8 x 1-1/2"NF cap (4)			10BH-02297 thru 04768, also 02274, 02279, 02283, 02285 thru 02288, 02294 and 02295 11BH-01736 thru 04768 C003927 thru *
	164 717 H1	PEDAL ASSEMBLY (Includes Items 3 and (2) of Item 12)			
3		PEDAL CONTROL, (Order 164 717 H1)	6	928 746 C1	LEVER w/two BUSHING, 144 243 H1
4	103 321	WASHER, 3/8" lock (4)			U004768 and up C004953 and up
5	103 026	NUT, 3/8"NF hex (4)	7	111 871 H1	ROD END (Used w/LEVER, 194 364 H1)
6	164 716 H1	LEVER w/two BUSHINGS, 144 243 H1	7	928 702 C1	STUD (Used w/LEVER, 928 746 C1)
		10BH-02297 and below, except 02274, 02279, 02283, 02285, 02286, 02287, 02288, 02294 and 02295 11BH-01735 and below (Order the following -	8	103 028	NUT, 1/2"NF hex
		1 PEDAL 194 364 H1	9	104 039	YOKE (Used w/LEVER, 164 716 H1)
		1 YOKE 104 891 H1)	9	104 891 H1	YOKE (Used w/LEVER, 194 364 H1 and 928 746 C1)

* - Serial Number Not Yet Available.

LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE AND TRANSMISSION DISENGAGE LINKAGE — Continued					
10	114 787	PIN			
11	22 288 R1	"O" RING (2)			
12	144 243 H1	BUSHING (4)			
13	103 025	NUT, 5/16"NF hex			
14	103 320	WASHER, 5/16" lock			
15	157 332 H1	SHAFT PEDAL			
16	181 351	SCREW, 5/16 x 3"NF cap			
17	708 560 R1	"O" RING			
18	157 307 H1	BELLCRANK			
19	HA-800	BEARING (Order BEARING, 894 389 C1) (2)			
19	894 389 C1	BEARING (2)			
20	181 315	SCREW, 1/4 x 1"NF cap (4)			
21	103 319	WASHER, 1/4" lock (4)			
22	103 024	NUT, 1/4"NF hex (4)			
23	16 964 R91	FITTING, grease (Used with BEARING, HA-800 only) (2)			
24	157 373 H1	LINK (2)			
25	114 784	PIN, clevis (2)			
26	141 560 H1	SPRING			
27	104 473 H1	ROD END			
28	114 493	NUT, 5/16"NF jam (6)			
29	122 944 H1	SPRING, return (2)			
30	HL-3610	BOLT, eye (2)			
	109 461	FITTING, grease			
	109 462	FITTING, 90° grease			



SECTION 10

**HYDRAULIC
LINES &
FITTINGS**

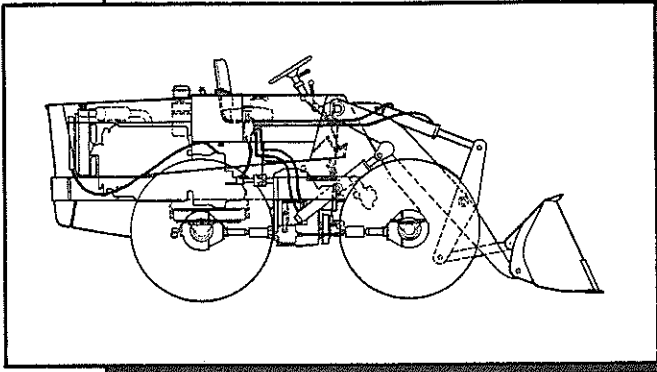
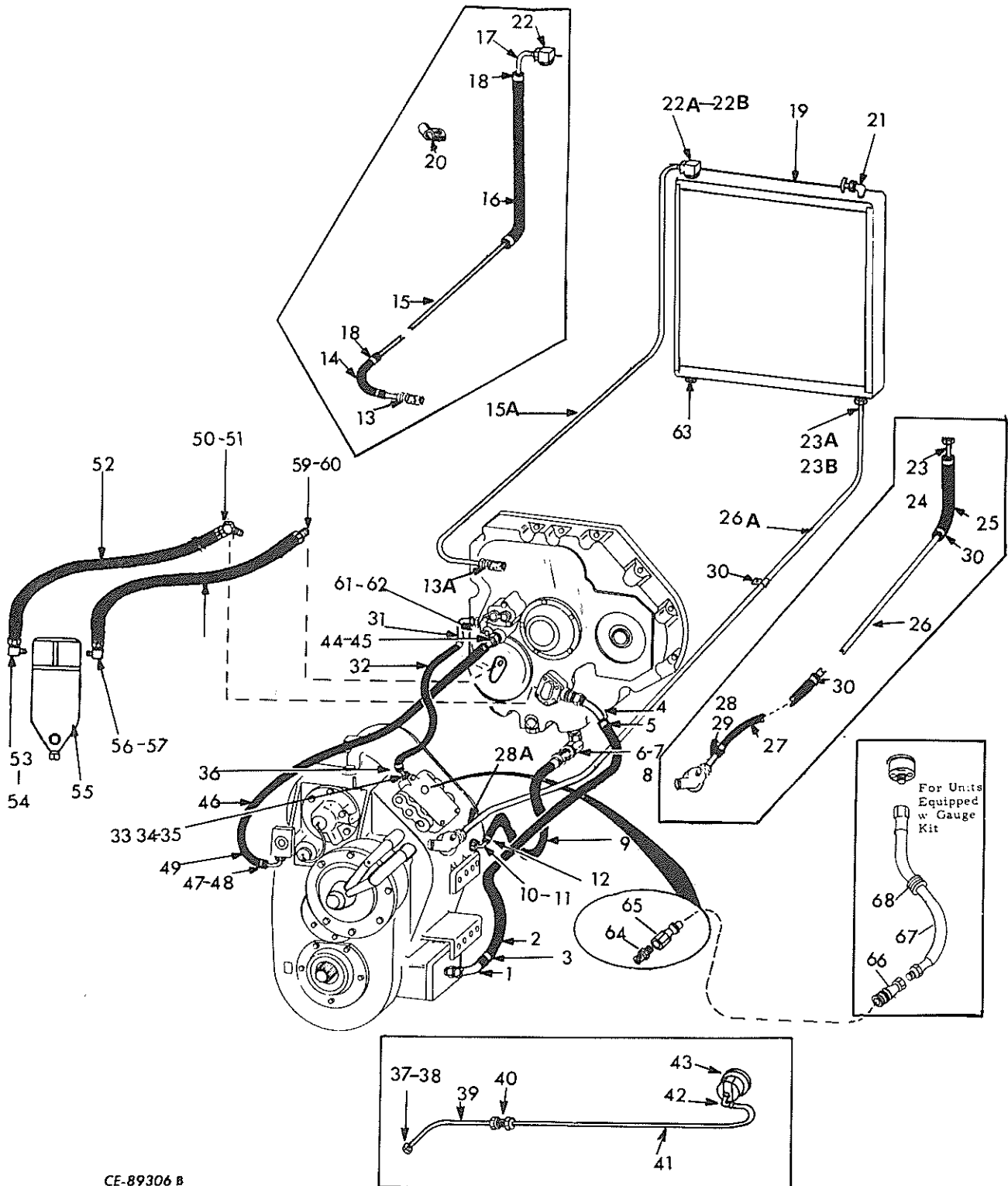


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CONVERTER LINES, TORQUE, P-601	10-6
HYDRAULIC STEERING LINES	10-14

HYDRAULIC LINES & FITTINGS

TORQUE CONVERTER LINES (P-600)
01201 thru 03422 and 03715 and Up



CE-89306 B

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER LINES (P-600) — Continued					
01201 thru 03422 and 03715 and Up					
<u>STRAINER TO PUMP — IN TRANSMISSION</u>					
1	172 695 H1	INSERT, 90° elbow	16	883 098 C1	HOSE U004738 and below C004758 and below
2	883 103 C1	HOSE (Used w/G-263 and D-236 only) 10BH-2729 and Up 11BH-2055 and 56 11BH-2060 and up	17	178 146 H1	ELBOW, 90° U004738 and below C004758 and below
2	883 102 C1	HOSE (Used w/Detroit Diesel 3-53 only)	18	122 316 R91	CLAMP (2) U004738 and below C004758 and below
3	333 710 R91	CLAMP (2)	19	896 534 C1	OIL COOLER U004950 and below, except 04949 C004758 and below (Order COOLER, 221 019 H1, 2 BOLT, 181 364 and 5 WASHER, 181 364) SCREW, 3/8" NF x 2-1/2" cap (4) WASHER, 3/8" flat (3) NUT, 3/8" Esna (4) SPACER (4)
4	173 015 H1 368 269 R1	INSERT, 90° elbow "O" RING		181 381 106 263 17 234 R1 206 420 H1	
5	122 316 R1	CLAMP			
<u>ACCESSORY DRIVE OVERFLOW TO TRANS— MISSION</u>			19	221 019 H1	OIL COOLER U004951 and up, also 04949 C004759 and up
6	368 269 R1	"O" RING		181 364 106 263 17 234 R1	BOLT, 3/8" NF x 1" (4) WASHER, 3/8" flat (8) NUT, 3/8" Esna (4)
7	9 411 107	ADAPTER, 45° (Used w/G-263 and D-236 only)	20	140 582	CLAMP (2) U004738 and below C004758 and below
7	9 410 979	ADAPTER, 45° (Used w/Detroit Diesel 3-53 only)	20	168 417 H1	CLAMP (2) U004739 and up C004759 and up
8	177 294 H1	INSERT, straight		181 364 103 321 103 026	SCREW, 3/8" NF x 1" cap (2) WASHER, 3/8" lock (2) NUT, 3/8" NF hex (2)
9	883 101 C1	HOSE	21	103 647	VALVE, drain
10	173 015 H1	HOSE INSERT, straight	22	144 048	BUSHING, reducer U004738 and below C004758 and below
11	368 269 R1	"O" RING		444 576	PLUG, pipe
12	333 710 R91	CLAMP (2)	22A	108 686	ELBOW, 90° U004739 and up C004759 and up
<u>OIL LINE — ACCESSORY DRIVE TO OIL COOLER</u>			22B	140 537	NIPPLE, 1/2" x 2" pipe U004739 and up C004759 and up
13	173 016 H1	ADAPTER U004738 and below C004758 and below			
13A	443 992	REDUCER U004739 and up C004759 and up			
14	883 105 C1	HOSE U004738 and below C004758 and below	<u>OIL LINE — COOLER TO TRANSMISSION MANIFOLD</u>		
15	178 544 H1	TUBE U004738 and below C004758 and below	23	178 146 H1	ELBOW, 90° U004738 and below C004758 and below
15A	925 947 C1	HOSE U004739 and up C004759 and up		144 048	REDUCER

HYDRAULIC LINES & FITTINGS

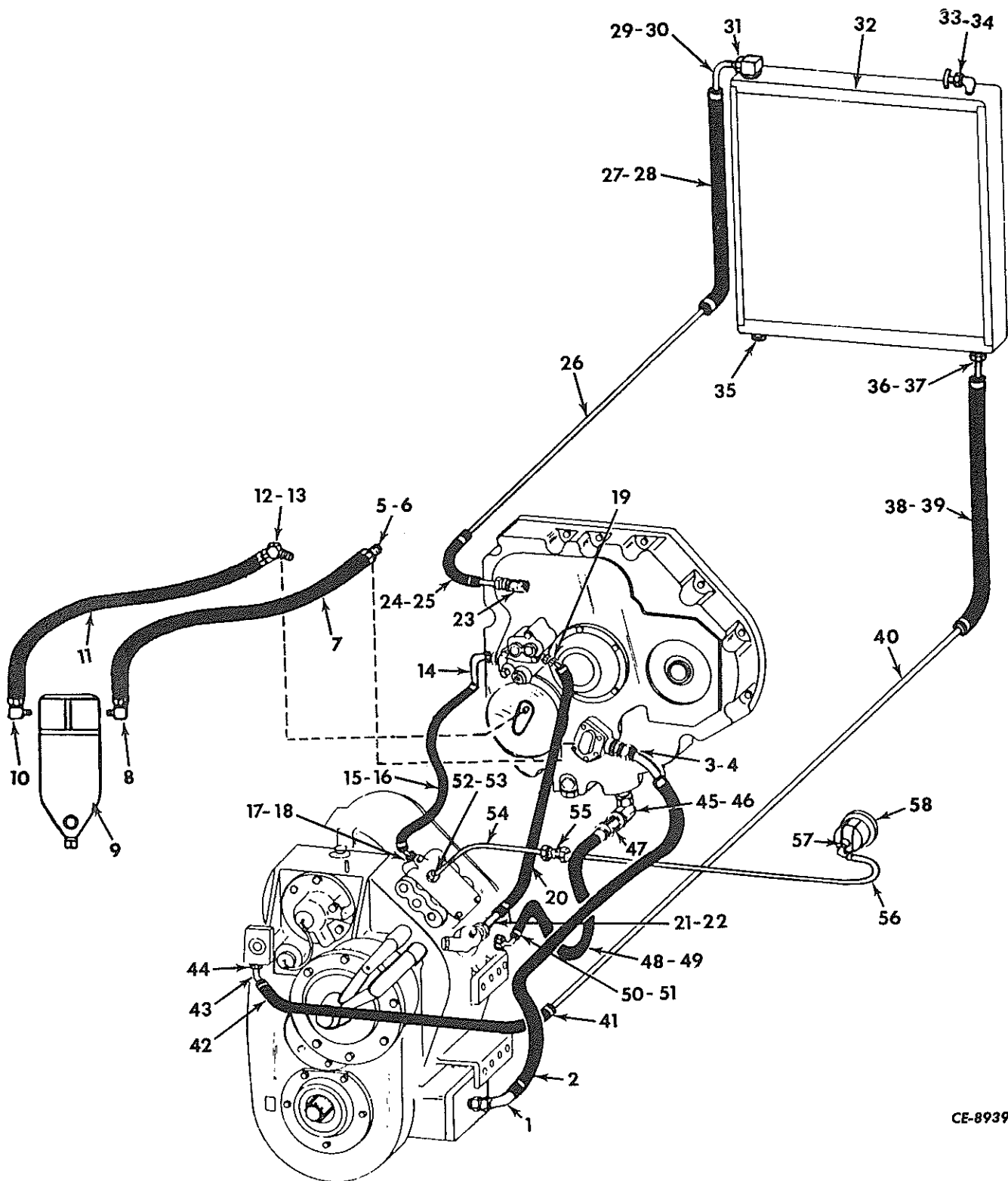
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER LINES (P-600) — Continued 01201 thru 03422 and 03715 and Up)			<u>LINE — ACCESSORY DRIVE TO TRANS- MISSION CONTROL VALVE</u>		
<u>OIL LINE — COOLER TO TRANSMISSION MANIFOLD — Continued</u>			31	179 077 H1	HOSE INSERT
23A	141 504	NIPPLE, 1/2" x 1-1/2" pipe U004739 and up C004759 and up	32	883 099 C1	HOSE (Used w/G-263 and D-236 only)
23B	108 686	ELBOW, 90° U004739 and up C004759 and up	32	883 100 C1	HOSE (Used with Detroit Diesel 3-53 only)
24	178 144 H2	TUBE U004738 and below C004758 and below	33	173 023 H1	INSERT, 90° elbow
25	158 390 H1	HOSE U004738 and below C004758 and below	34	9 402 709	ADAPTER, straight
26	178 538 H1	TUBE U004738 and below C004758 and below	35	570 828 R1	"O" RING
26A	925 947 C1	HOSE U004739 and up C004759 and up	36	122 316 R91	CLAMP (2)
27	883 105 C1	HOSE U004738 and below C004758 and below	<u>LINE — TO CLUTCH OPERATING PRESSURE GAUGE</u>		
28	379 778 R1	ADAPTER U004738 and below C004758 and below	37	112 877	BUSHING, reducer 1476 thru 03422, also 03715 thru 03741
28A	9 409 288	COUPLING U004739 and up C004759 and up	38	59 939 D	CONNECTOR w/o NUT 1476 thru 03422, also 03715 thru 03741
	443 983	NIPPLE	39		TUBE w/o NUTS (Cut length 1/8" OD x 76" long - cut from bulk TUBE, 213 191 H1) 1476 thru 03422, also 03715 thru 03741
29	364 885 R1	"O" RING U004738 and below C004758 and below		36 092 D	NUT, 1/8" tube (2)
30	122 316 R91	CLAMP (2) U004738 and below C004758 and below	40	943 939 C1	UNION, bulkhead 1476 thru 03422, also 03715 thru 03741
30	168 417 H1	CLAMP (2) U004739 and up C004759 and up	41		TUBE w/o NUTS (Cut length 1/8" OD x 22" long - cut from bulk TUBE, 213 191 H1) 1476 thru 03422, also 03715 thru 03741
	181 364	SCREW, 3/8"NF x 1"		36 092 D	NUT, 1/8" tube (2)
	181 370	SCREW, 3/8"NF x 1-1/4"	42	19 717 R1	ELBOW w/o NUT 1476 thru 03422, also 03715 thru 03741
	103 321	WASHER, 3/8" lock (2)	43		GAUGE (Refer to "Instrument Panel") 1476 thru 03422, also 03715 thru 03741
	103 026	NUT, 3/8"NF hex (2)		103 884	PLUG, 1/8" (Replaces pressure gauge to transmission S/N 03742 thru U004085 and C004185)

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER LINES (P-600) - Continued 01201 thru 03422 and 03715 and Up)			58	214 378 H1	HOSE (Used with G-263 and D-236 only) (@)
				333 710 R91	CLAMP (Used with 175 239 H1 and 174 937 H1) (4)
<u>CONVERTER TO TRANSMISSION</u>			59	9 410 205	ADAPTER
44	368 269 R1	"O" RING	60	36 826 R1	"O" RING
45	173 015 H1	HOSE INSERT, straight	61	135 081 H1	FACE BUSHING (Lube oil pressure check)
46	883 106 C1	HOSE (Used with G-263 and D-236 only)	62	105 423	ELBOW, st. (Lube oil pressure check)
46	883 104 C1	HOSE (Used with Detroit Diesel 3-53 only)	63	444 576	PLUG, 1/4" pipe (Lube oil pressure check) (2)
47	172 849 H1	ELBOW, 90° insert	<u>LINE — QUICK DISCONNECT</u>		
48	173 023 H1	ADAPTER	64	443 987	NIPPLE, 1/8 x 1/4" pipe U004085 and up C004185 and up
49	333 710 R91	CLAMP (2)	65	342 775 R91	PLUG, quick connective U004085 and up C004185 and up
<u>CONVERTER TO OIL FILTER LINES</u>			<u>LINE — TRANSMISSION GAUGE KIT</u>		
50	9 410 205	ADAPTER	66	891 300 C1	FITTING, socket
50	9 411 105	ADAPTER, 45°	67	893 527 C1	HOSE, valve to gauge
51	570 828 R1	"O" RING	68	145 705 H1	GROMMET
52	175 239 H1	HOSE (*)	69		GAUGE, transmission pressure (Refer to "Instrument Panel")
52	174 937 H1	HOSE (\$)		139 016 H1	STRAP, 4-5/8" rubber
52	189 774 H1	HOSE (%)			
52	205 705 H1	HOSE (Used w/G-263 and D-236 only) (@)			
52	177 294 H1	HOSE, insert (Used with 175 239 H1 and 174 937 H1)			
53	205 321 H1	ADAPTER (For 205 705 H1)			
53	9 402 867	ADAPTER (Used w/877 380 C91 FILTER)			
54	368 269 R1	"O" RING			
55		FILTER (Refer to "Converter Line Oil Filter")			
	181 374	SCREW, 3/8 x 1-1/2"NF (4)			
	103 321	WASHER, 3/8" lock (4)			
	103 026	NUT, 3/8"NF hex (4)			
56	368 269 R1	"O" RING			
57	9 402 867	ADAPTER	(%)	-	10BH-2097 thru 2728 11BH-1536 thru 2054, 57, 58, 59
58	127 464 H1	HOSE (Used with Detroit Diesel 3-53 only) (@)	(@)	-	10BH-2729 and up 11BH-2055 and 56 11BH-2060 and up
	177 394 H1	HOSE, insert (Used with 175 239 H1 and 174 937 H1)	(\$)	-	10BH-1817 thru 2096 11BH-1268 thru 1535
58	175 239 H1	HOSE (*)	(*)	-	10BH-1701 thru 1816 11BH-1201 thru 1267
58	174 937 H1	HOSE (\$)			
58	189 774 H1	HOSE (%)			

HYDRAULIC LINES & FITTINGS

TORQUE CONVERTER LINES (P-601)
03423 thru 03714



CE-89395

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER LINES (P-601) — Continued 03423 thru 03714					
<u>LINE — TRANSMISSION SUMP TO CHARG- ING PUMP</u>			15	173 021 H1	HOSE (Used with Detroit Diesel 3-53 only)
1	9 402 713	ADAPTER	16	122 316 R91	CLAMP, hose (2)
2	222 633 H1	HOSE (Used with G-263 and D-236 only)	17	179 077 H1	HOSE, insert
2	126 649 H1	HOSE (Used with Detroit Diesel 3-53 only)	18	570 828 R1	"O" RING, 1/2"OD tubing
3	296 247 R1	"O" RING, 1"OD tubing	<u>LINE — CONVERTER REGULATOR VALVE TO LUBE MANIFOLD</u>		
4	9 410 207	ADAPTER	19	173 023 H1	HOSE, insert
<u>LINE — CHARGING PUMP TO FILTER</u>			20	173 021 H1	HOSE (Used with G-263 and D-236 only)
5	368 269 R1	"O" RING, 3/4"OD tubing	20	181 077 H1	HOSE (Used with Detroit Diesel 3-53 only)
6	9 410 205	ADAPTER	21	878 164 C1	HOSE, insert
7	220 605 H1	HOSE (Used with G-263 and D-236 only)	22	364 885 R1	"O" RING
7	188 346 H1	HOSE (Used with Detroit Diesel 3-53 only)	<u>LINE — CONVERTER OUTLET PORT TO OIL COOLER</u>		
8	9 402 867	ADAPTER, 90°	23	173 016 H1	HOSE, insert
<u>OIL FILTER AND MOUNTING</u>			24	173 017 H1	HOSE
9	OIL FILTER (See "Converter Line Oil Filter" in Section 11)		25	122 316 R91	CLAMP, hose (2)
	181 374	BOLT, 3/8 x 1-1/2"NF (4)	26	178 544 H1	TUBE
	103 321	WASHER, lock 3/8" (4)	27	178 145 H1	HOSE
	103 026	NUT, 3/8"NF hex (4)	28	122 316 R91	CLAMP, hose (2)
<u>LINE — OIL FILTER TO CONVERTER INLET PORT</u>			29	178 146 H1	HOSE, 90° insert
10	9 402 867	ADAPTER	30	144 048	BUSHING, reducer
11	214 378 H1	HOSE (Used with G-263 and D-236 only)	31	HL-3551	CLAMP
11	127 464 H1	HOSE (Used with Detroit Diesel 3-53 only)	<u>OIL COOLER AND MOUNTING</u>		
12	9 410 205	ADAPTER	32	896 534 C1	OIL COOLER
13	368 269 R1	"O" RING, 3/4"OD tubing		106 263	WASHER, 3/8" lock (3)
<u>LINE — TRANSMISSION REGULATOR VALVE TO TRANSMISSION CONTROL VALVE</u>				181 381	BOLT, 3/8 x 2-1/2"NF (4)
14	173 019 H1	HOSE, 90° insert		17 234 R1	NUT, 3/8"-24 Esna (4)
15	173 018 H1	HOSE (Used with G-263 and D-236 only)		206 420 H1	SPACER (4)
			33	105 423	ELBOW, 90° x 1/4"
			34	112 002 H1	PETCOCK
			35	444 576	PLUG, pipe
				116 983 H1	CLAMP (2)
				181 364	BOLT, 3/8 x 1"NF (2)
				103 321	WASHER, 3/8" lock (2)
				103 026	NUT, 3/8"NF hex (2)

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER LINES (P-601) — Continued 03423 thru 03714			56		TUBE w/o NUTS (Cut length 1/8" OD x 22" long (Cut from bulk TUBE, 213 191 H1) NUT, 1/8" tube (2)
				36 092 D	
			57	19 717 R1	ELBOW w/o NUT
			58		GAUGE, transmission clutch pressure (See "Instrument Panel" in Section 12)
				213 191 H1	TUBING, 1/8"OD x 50 ft., bulk (x)
<u>LINE — OIL COOLER TO TRANSMISSION SUMP</u>					
36	144 048	BUSHING, reducer			
37	178 146 H1	HOSE, 90° insert			
38	877 633 C1	HOSE 03352 and up			
39	122 316 R91	CLAMP, hose (2)			
40	178 538 H1	TUBE			
41	122 316 R91	CLAMP, hose (2)			
42	178 145 H1	HOSE			
43	178 146 H1	HOSE, 90° insert			
44	140 582	CLAMP, hose to frame (2)			
	181 364	BOLT, 3/8 x 1"NF			
	181 370	BOLT, 3/8 x 1-1/4"NF			
	103 321	WASHER, 3/8" lock (2)			
	103 026	NUT, 3/8"NF hex (2)			
<u>LINE — CONVERTER DRAIN TO TRANS- MISSION SUMP</u>					
45	368 269 R1	"O" RING, 3/4"OD tubing			
46	9 411 107	ADAPTER, 45° (Used with G-263 and D-236 only)			
46	9 410 979	ADAPTER, 90° (Used with Detroit Diesel 3-53 only)			
47	177 294 H1	HOSE, insert			
48	174 934 H1	HOSE			
49	333 710 R91	CLAMP, hose (2)			
50	173 015 H1	HOSE, insert			
51	368 269 R1	"O" RING, 3/4"OD tubing			
<u>LINE — TRANSMISSION REGULATOR VALVE TO CLUTCH PRESSURE GAUGE</u>					
52	132 667 H1	BUSHING, reducer			
53	59 939 D	CONNECTOR w/o NUT			
54		TUBE w/o NUTS (Cut length 1/8" OD x 76" long - cut from bulk TUBE, 213 191 H1) NUT, 1/8" tube (2)			
	36 092 D				
55	943 939 C1	UNION, bulkhead			

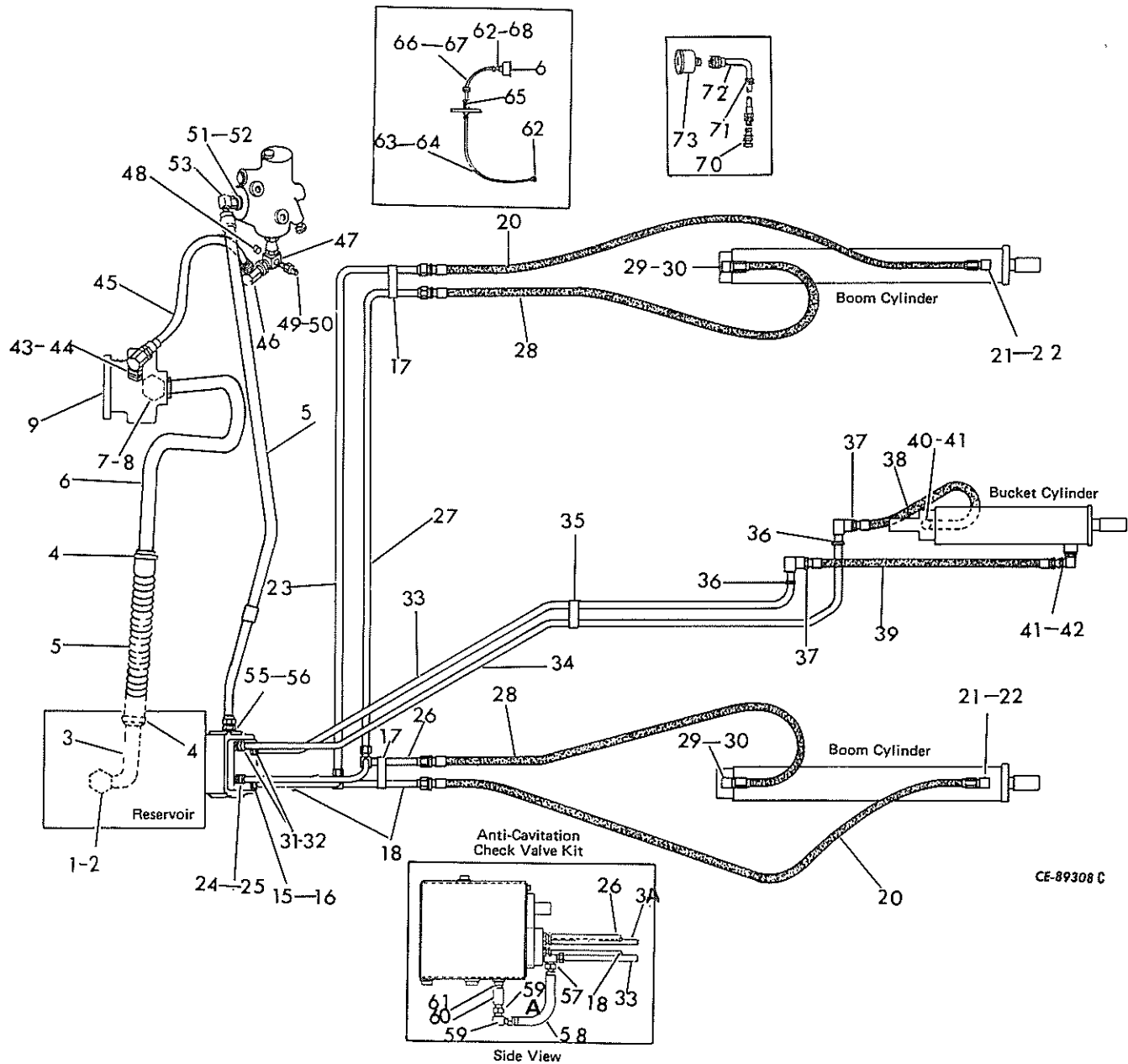
(x) - As Required.

HYDRAULIC LINES & FITTINGS

MEMORANDA

HYDRAULIC LINES & FITTINGS

BOOM AND BUCKET LINES



HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM AND BUCKET LINES — Continued					
<u>LINE — RESERVOIR TO PUMP</u>			<u>VALVE TO CYLINDER — BUCKET CLOSE DUMP</u>		
1	307 915 R1	"O" RING	31	368 269 R1	"O" RING
2	9 410 208	ADAPTER	32	9 410 205	CONNECTOR
3	158 092 H1	TUBE w/NUT	33	158 103 H1	TUBE (Not used w/Anti-Cavitation Check Valve Kit)
4	311 164 C91	CLAMP, hose (2)	33	888 555 C1	TUBE ASSEMBLY (Used w/Anti-Cavitation Check Valve Kit)
5	158 093 H1	HOSE	34	158 102 H1	TUBE w/FITTINGS
6	158 095 H1	TUBE w/NUT	35	153 677 H1	ANGLE (Not used on units equipped w/Logger Attachment or Hydraulic Kit for 8-1/2 ft. High Lift Boom)
7	875 685 C1	ADAPTER, reducer		135 096 H1	CLAMP, 3/4"OD tube (2)
8	296 247 R1	"O" RING		181 370	SCREW, 3/8"NF x 1-1/4" hex-hd cap (2)
9		PUMP, main (See "Main Pump" in Section 11)		106 263	WASHER, 3/8" flat (4)
<u>VALVE TO CYLINDER — BOOM LOWER</u>				103 321	WASHER, 3/8" lock (4)
15	368 269 R1	"O" RING		103 026	NUT, 3/8"NF hex (4)
16	9 410 205	ADAPTER	36	180 865 H1	"U" BOLT (2)
17	132 159 H1	CLAMP, 5/8"OD tube (4)		20 090 R1	NUT, 1/4"-28 Esna (4)
	153 677 H1	ANGLE, with Slots (7/16 x 1-3/16") (2)	37	364 885 R1	"O" RING
	181 370	SCREW, 3/8"NF x 1-1/4" hex-hd cap (4)	38	131 068 H1	HOSE, 38" (Not used on units equipped w/High-Lift Boom)
	106 263	WASHER, 3/8" flat (4)	38	199 996 H1	HOSE, 44" (Used on units equipped w/High-Lift Boom)
	103 321	WASHER, 3/8" lock (4)	39	131 068 H1	HOSE ASSEMBLY
	103 026	NUT, 3/8"NF hex (4)	40	9 410 204	ADAPTER, 7/16"-14 Straight (Not used on units equipped w/High-Lift Boom)
18	158 100 H1	TUBE ASSEMBLY	40	9 411 106	ADAPTER, 7/16"-14 (45°) (Used on units equipped w/High-Lift Boom)
20	876 418 C1	HOSE ASSEMBLY	41	364 885 R1	"O" RING (2)
21	9 410 978	ELBOW, 90° adj. (2)	42	9 410 978	ELBOW, 90° adj.
22	364 885 R1	"O" RING	<u>HIGH PRESSURE LINE — PUMP TO FLOW DIVIDER</u>		
23	158 101 H1	TUBE w/FITTINGS	43	368 269 R1	"O" RING
<u>VALVE TO CYLINDER — BOOM RAISE</u>			44	9 410 979	ELBOW, 90°
24	368 269 R1	"O" RING	45	130 861 H2	HOSE (I.H. Engine)
25	9 410 205	ADAPTER	45	185 055 H1	HOSE (Detroit Diesel)
26	158 098 H1	TUBE ASSEMBLY	46	9 410 283	ADAPTER, 90° (I.H. Power) (2)
27	158 099 H1	TUBE w/FITTINGS	46	9 410 205	ADAPTER (Detroit Diesel)
28	478 756 R91	HOSE ASSEMBLY			
29	9 410 978	ELBOW, 90° adj. (2)			
30	364 885 R1	"O" RING			

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION
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BOOM AND BUCKET LINES — Continued

HIGH PRESSURE LINE — PUMP TO FLOW DIVIDER — Continued

47	187 009 H1	ELBOW, 90°
48	444 687	PLUG, 1/8" pipe
49	105 404	NIPPLE, 1/8 x 3/4" close U004085 & up C004185 & up
50	342 775 R91	PLUG, quick connective U004085 and up C004185 and up

HIGH PRESSURE LINE — FLOW DIVIDER TO VALVE

51	307 915 R1	"O" RING
52	875 684 C1	ADAPTER, straight
53	9 410 283	ELBOW, 90°
54	158 097 H2	HOSE
55	9 410 205	ADAPTER, straight (Not used on units equipped w/Hydraulic Kit, 8-1/2-ft. High-Lift Boom)
55	9 411 107	ADAPTER, 45° (Used only on units equipped w/Hydraulic Kit for 8-1/2 ft. High-Lift Boom)
56	368 269 R1	"O" RING

LINE — ANTI-CAVITATION CHECK VALVE

57	9 411 133	TEE
58	888 550 C1	HOSE w/FITTINGS
59	9 410 283	ELBOW, 90° (Order ELBOW, 343 805 R1 and CONNECTOR, 343 804 R1)
59	343 805 R1	ELBOW, 90° (Together with CONNECTOR, 343 804 R1, will work for ELBOW, 9 410 283)
59A	343 804 R1	CONNECTOR (Together w/ELBOW, 343 805 R1, will work for ELBOW, 9 410 283)
60	702 406 C91	VALVE w/SPRING, 625 434 C1 and SEAL, 625 435 C1
61	368 269 R1	"O" RING (2)

REF. NO.	PART NUMBER	DESCRIPTION
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LINE — HYDRAULIC PRESSURE GAUGE

62	36 637 D	ELBOW w/o NUT, 90° (2) U004084 and below C004184 and below
63	537 291 R1	TUBE, 1/8"OD copper (Replaces 122 984 H1)
	36 092 D	NUT, tube U004084 and below C004184 and below
64		TUBE w/o NUTS (Cut length 3/8" OD x 22" long - cut from bulk TUBE, 417 199 C2)
	37 165 D	NUT, 3/8" tube (2) U004084 and below C004184 and below
65	943 939 C1	UNION, bulkhead
66	186 229 H1	TUBE, 1/8"OD copper U004084 and below C004184 and below
67		TUBE w/o NUTS (Cut length 3/8" OD x 15" long - cut from bulk TUBE, 417 199 C2)
	37 165 D	NUT, 3/8" tube (2) U004084 and below C004184 and below
68	203 425 H1	COUPLING, 1/8" U004084 and below C004184 and below
69		GAUGE, hydraulic pressure (See "Instrument Panel" in Section 12) U004084 and below C004184 and below

LINE — HYDRAULIC GAUGE KIT

		U0 # and below C0 # and below
70	891 300 C1	FITTING, socket (*)
71	145 705 H1	GROMMET (*)
72	893 331 C1	HOSE (*)
73		GAUGE, hydraulic pressure (See "Instrument Panel" in Section 12)
	444 024	ADAPTER (*)
	935 464 C1	TIE, panduit, (Replaces strap, 327 273 R91) (*)
	893 372 C1	DECAL, gauge warning (*)

(*) - Part of Transmission Clutch and
Hydraulic Pressure Gauge Kit.

(#) - Serial Number Not Available.

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BOOM AND BUCKET LINES — Continued

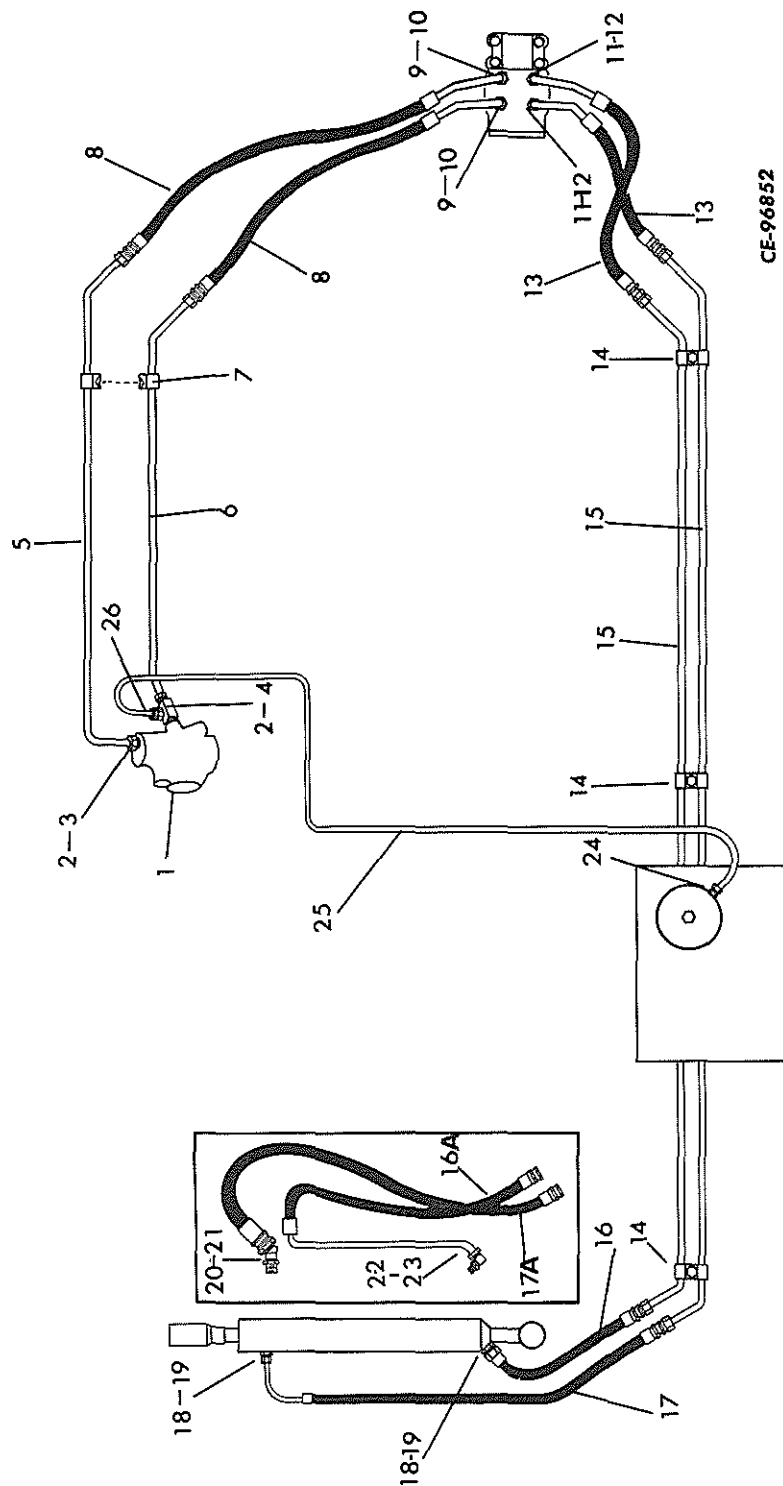
LINE — HYDRAULIC GAUGE KIT - Continued

888 548 C91	ANTI-CAVITATION CHECK VALVE KIT (Consists of -	
	1 VALVE, check	702 406 C91
	1 CONNECTOR	343 804 R1
	1 ELBOW	343 805 R1
	1 HOSE ASSY.	888 550 C1
	1 TEE	9 411 133
	2 "O" RING	368 269 R1
	1 FITTING	888 554 C1
	1 DRAWING	FGH-11073
	1 DRAWING	FGH-11072)
625 434 C1	SPRING (Part of CHECK VALVE, 702 406 C91)	
625 435 C1	RING, seal (Part of CHECK VALVE, 702 406 C91)	
417 199 C2	TUBING, 3/8"OD x 50-ft. bulk (x)	

(x) - As Required.

HYDRAULIC LINES & FITTINGS

HYDRAULIC STEERING LINES



CE-96852

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES — Continued					
<u>LINE — FLOW DIVIDER TO STEERING VALVE</u>					
1		FLOW DIVIDER (Refer to "Flow Divider")	16	159 233 H1	HOSE, left turn (4-Wheel Drive only)
	186 310	BOLT, 3/8"NF x 3-1/2" (2)	16A	173 393 H1	HOSE & TUBE ASSEMBLY, left turn (Front Wheel Drive/Rear Wheel Steer only)
	103 321	WASHER, 3/8" lock (2)	17	159 234 H1	HOSE & TUBE ASSEMBLY, right turn (4-Wheel Drive only)
	103 026	NUT, 3/8"NF hex (2)	17A	173 392 H1	HOSE, right turn (Front Wheel Drive/Rear Wheel Steer only)
2	364 885 R1	"O" RING (2)	18	364 839 R1	"O" RING (4-Wheel Drive only) (2)
3	921 773 R1	ADAPTER	19	9 410 202	ADAPTER, 9/16" straight (4-Wheel Drive only) (2)
4	158 263 H1	TEE, special	20	364 885 R1	"O" RING (Front Wheel Drive/Rear Wheel Steer only)
5	158 260 H1	TUBE w/FITTINGS	21	9 411 104	ADAPTER, 45° adj. (Front Wheel Drive/Rear Wheel Steer only)
6	158 262 H1	TUBE w/FITTINGS	22	364 839 R1	"O" RING (Front Wheel Drive/Rear Wheel Steer only)
7	152 907 H1	CLAMP, tube	23	9 410 976	ADAPTER, 90° adj. (Front Wheel Drive/Rear Wheel Steer only)
	181 364	BOLT, 3/8"NF x 1"	<u>LINE — FILTER TO FLOW DIVIDER</u>		
	103 321	WASHER, 3/8" lock	24	128 531 H1	FITTING, flex 03665 and below
	103 026	NUT, 3/8"NF hex	24	155 629 H1	FITTING, flex 03666 and up
8	185 893 H1	HOSE (Used w/Saginaw Steering Gear only) (2)	25	124 280 H1	TUBE, copper
8	159 232 H1	HOSE (Used w/Ross Steering Gear only) (2)	26	158 236 H1	FITTING, flex 03665 and below
9	364 839 R1	"O" RING (2)	26	882 832 C1	FITTING, flex 03666 and up
10	185 894 H1	ADAPTER, 5/8" straight (Used with Saginaw Steering Gear only) (2)	<u>LINE — STEERING GEAR TO STEERING CYLINDER (REAR WHEEL DRIVE/FRONT WHEEL STEER)</u>		
10	9 410 202	ADAPTER, 9/16" straight (Used with Ross Steering Gear only) (2)	159 233 H1	HOSE, left turn	
<u>LINE — STEERING VALVE TO STEERING CYLINDER</u>			159 234 H1	HOSE, right turn	
11	364 839 R1	"O" RING (2)	9 410 202	ADAPTER, 9/16" straight (Left turn port on valve)	
12	185 894 H1	ADAPTER, 5/8" straight (Used with Saginaw Steering Gear only) (2)	9 410 976	ADAPTER, 9/16" - 90° adj. (Right turn port on valve)	
12	9 410 202	ADAPTER, 9/16" straight (Used with Ross Steering Gear only) (2)	9 411 104	ADAPTER, 45° (Left turn port on cylinder)	
13	175 089 H2	HOSE (Rear Wheel Steer only) (Use w/Saginaw Steering Gear) (2)			
13	159 232 H1	HOSE (Rear Wheel Steer only) (Use with Ross Steering Gear) (2)			
14	152 907 H1	CLAMP, tube (Rear Wheel Steer Units only) (3)			
	181 364	BOLT, 3/8"NF x 1"			
	103 321	WASHER, 3/8" lock			
	103 026	NUT, 3/8"NF hex			
15	158 266 H2	TUBE w/FITTINGS (Rear Wheel Steer Units only) (2)			

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC STEERING LINES — Continued

LINE — STEERING GEAR TO STEERING CYLINDER (REAR WHEEL DRIVE/ FRONT WHEEL STEER) - Continued

9 410 976	ADAPTER, 90° adj. (Right turn port on cylinder)
9 410 280	ADAPTER, 90° adj. (Right turn port on cylinder)
364 839 R1	"O" RING (3)

HOSE AND TUBE ASSEMBLY SUPPORT (FRONT WHEEL DRIVE/REAR WHEEL STEER)

166 824 H1	LUG, hose support (On axle)
155 850 H1	CLIP, hose to lug (2)
181 315	BOLT, 1/4"NF x 1"
103 319	WASHER, 1/4" lock
106 261	WASHER, 1/4" flat
103 024	NUT, 1/4"NF hex

SECTION 11

HYDRAULIC COMPONENTS

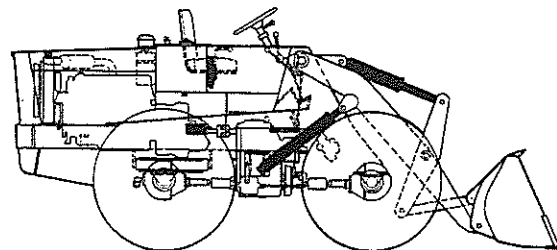


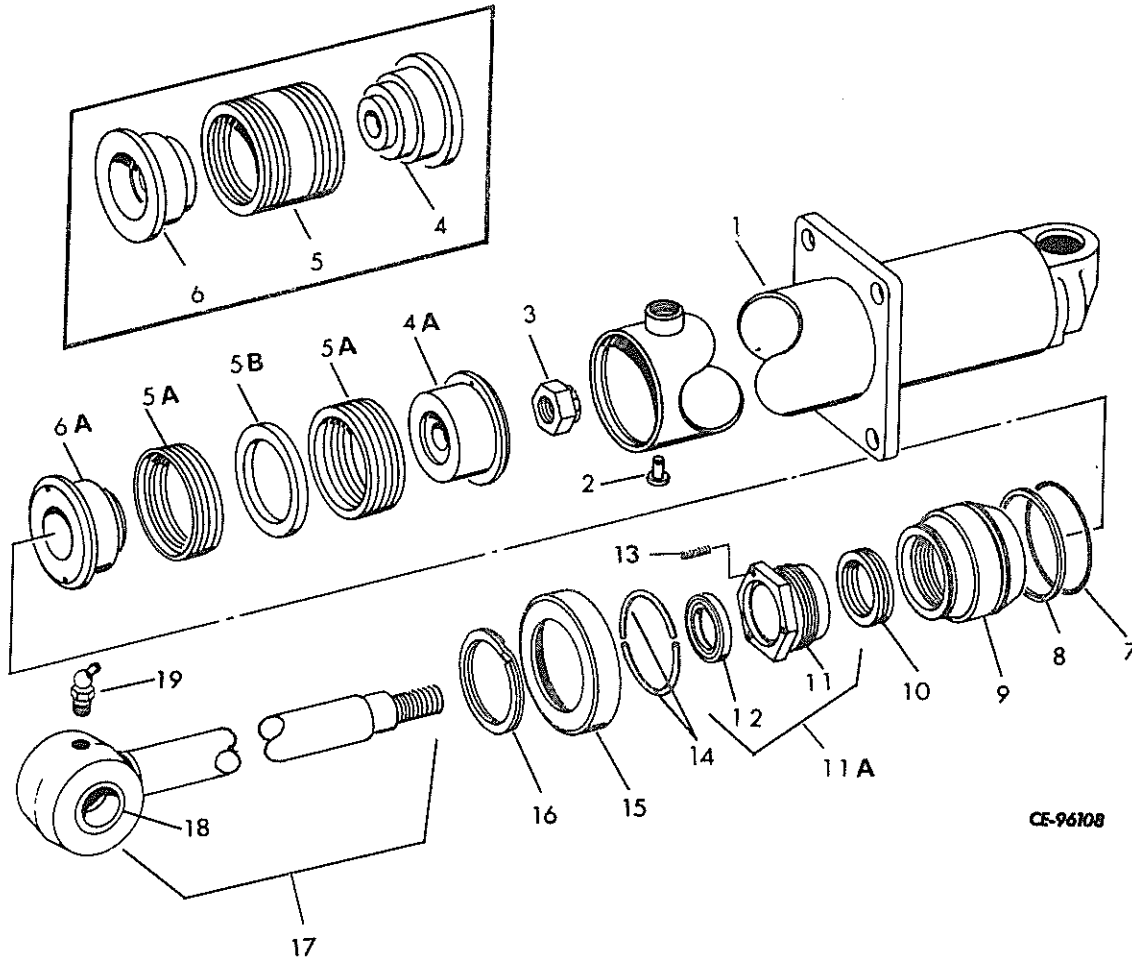
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HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BOOM CYLINDER (4" Diameter)
U004359 and Below
C004301 and Below



CE-96108

	157 513 H4	CYLINDER ASSEMBLY, boom (Order CYLINDER ASSY., 891 551 C92) (Consists of the following parts -	4A	882 628 C3	PISTON HALF (Together with one PISTON HALF, 882 629 C2, one BUSHING, 882 633 C1 and two PACKING, 882 627 C1, will work for PISTON HALF, 144 261 H1)
1	157 514 H1	CYLINDER			
2	152 039 H1	PLUG, rubber	5	144 259 H3	PACKING, piston (Use with PISTON HALF, 144 260 H1 and PISTON HALF, 144 261 H1 only)
3	18 462 R1	NUT, 1" Esna			
4	144 261 H1	PISTON HALF (Order the following parts - 1 PISTON HALF 882 628 C3 1 PISTON HALF 882 629 C2 1 BUSHING 882 633 C1 2 PACKING 882 627 C1)	5A	882 627 C1	PACKING, piston (Use with PISTON HALF, 882 628 C3 and PISTON HALF, 882 629 C2 only) (2)
			5B	882 633 C2	BUSHING (Use with PISTON HALF, 882 628 C3 and PISTON HALF, 882 629 C2 only)

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM CYLINDER (4" Diameter) — Continued U004359 and Below C004301 and Below			14	125 281 H1	RING, lock (2)
6	144 260 H1	PISTON HALF (Order the following parts - 1 PISTON HALF 882 629 C2 1 PISTON HALF 882 628 C3 1 BUSHING 882 633 C1 2 PACKING 882 627 C1)	15	125 417 H1	CAP, cylinder
6A	882 629 C2	PISTON HALF (Together with one PISTON HALF, 882 628 C3, one BUSHING, 882 633 C1 and two PACKING, 882 627 C1, will work for PISTON HALF, 144 260 H1)	16	125 282 H1	RING, retaining
7	876 095 C1	"O" RING	17	157 520 H1	PISTON ROD w/BUSHING, 158 833 H1
8	893 780 C1	WASHER, back-up	18	158 833 H1	BUSHING, rod
9	130 709 H1	GLAND, cylinder	19	109 461	FITTING, grease
10	157 522 H3	PACKING, rod			
11	157 523 H2	NUT, w/o SEAL, packing (With two No. 10-32 tapped holes) (Order PACKING NUT ASSY., 882 075 C11, and three SET SCREW, 174 304 H1)			
11	157 523 H3	NUT w/o SEAL, packing (With three 1/4"-28 tapped holes) (Order PACKING NUT ASSY., 882 075 C11, and three SET SCREW, 174 304 H1)			
11	192 367 H1	NUT w/o SEAL, packing (With three 1/4"-28 tapped holes) (Order PACKING NUT ASSY., 882 075 C11)			
11	882 075 C1	NUT, packing (Together with SEAL, 879 020 C91 and three SET SCREW, 174 304 H1, will work for PACK- ING NUT, 157 523 H2, H3 and 192 367 H1)			
11A	882 075 C11	PACKING NUT w/SEAL, 879 020 C91 (Together with three SETSCREW, 174 304 H1, will work for PACKING NUT, 157 523 H2, H3 and 192 367 H1)			
12	172 984 H1	SEAL, wiper (Used w/PACKING NUT, 157 523 H2, H3 and 192 367 H1)			
12	879 020 C91	SEAL, wiper (Used w/PACKING NUT, 882 075 C1)			
13	140 887	SETSCREW, No. 10-32 x 3/4" (Use w/PACKING NUT, 157 523 H2) (2)			
13	174 304 H1	SETSCREW, 1/4"-28 x 3/4" (Use w/PACKING NUT, 157 523 H3, 192 367 H1 and 882 075 C1) (3)			

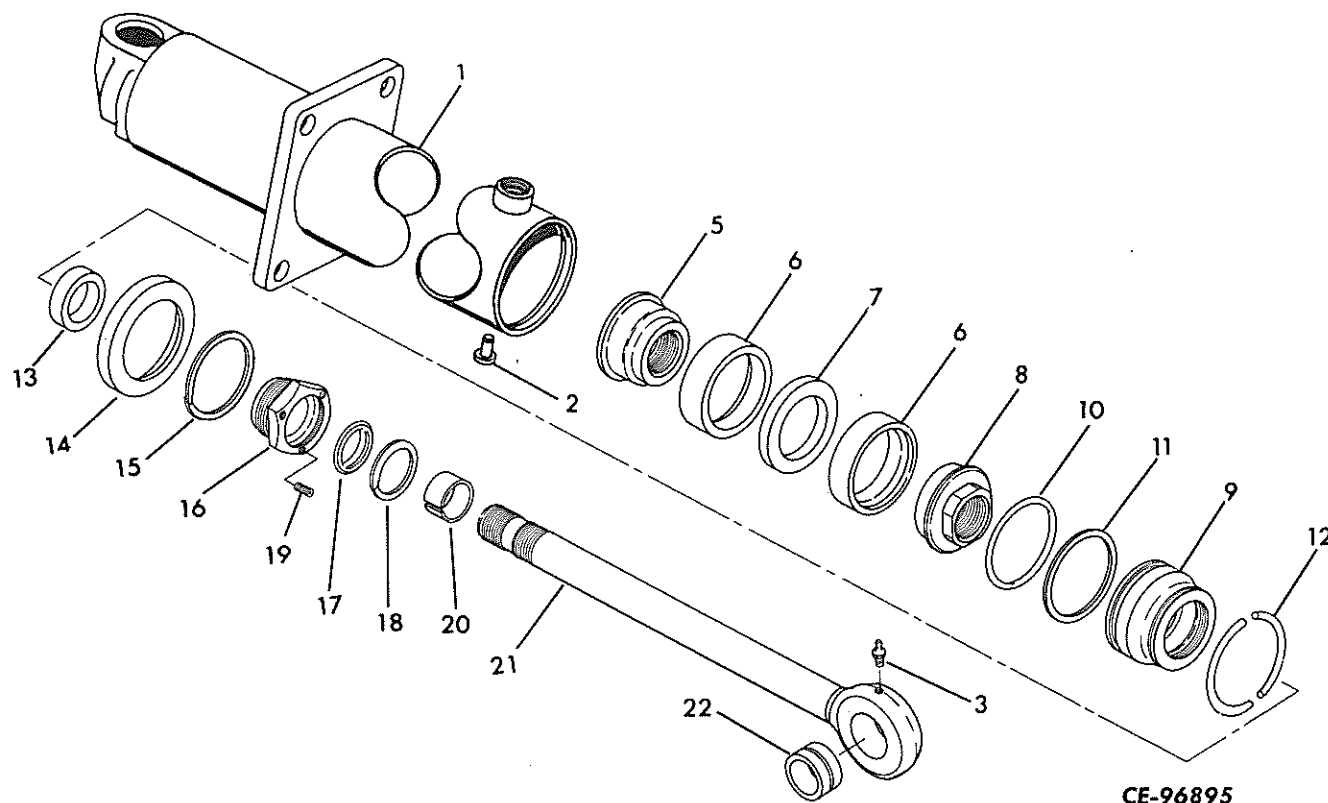
HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BOOM CYLINDER (4" Diameter)

U004360 to *

C004302 to C005611



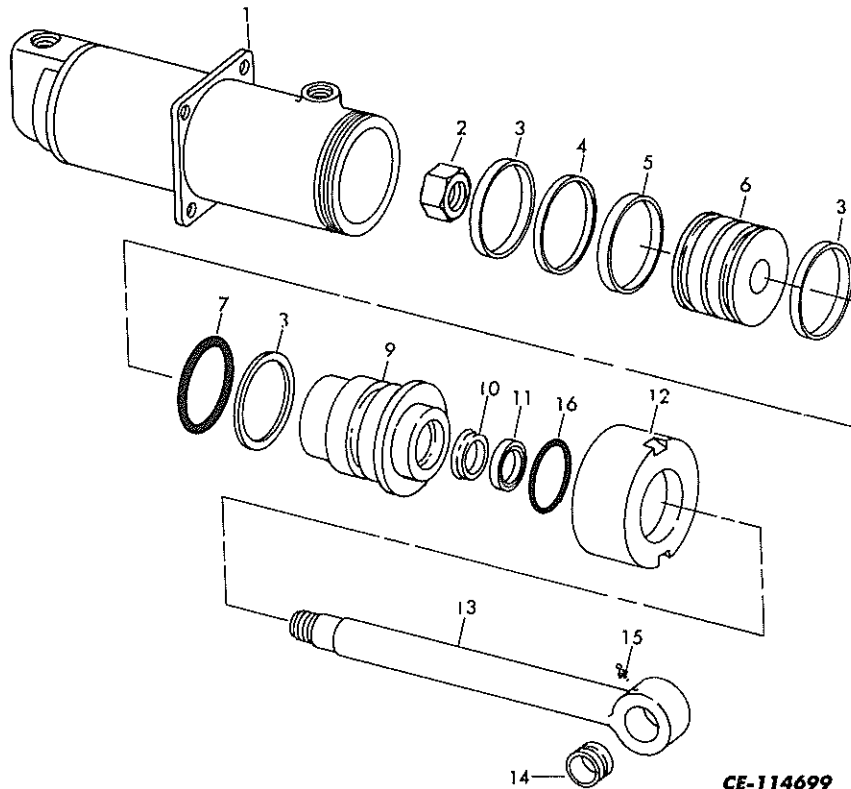
	891 551 C92	CYLINDER ASSEMBLY, boom (2) (Order ASSY., 933 452 C91)	12	125 281 H1	RING, lock (2)
	186 335	BOLT (4) (Consists of the following parts -	13	157 522 H3	PACKING, rod
1	891 549 C1	CYLINDER	14	125 417 H1	CAP
2	152 039 H1	PLUG	15	125 282 H1	RING, retaining
3	109 461	FITTING, grease	16	879 028 C1	NUT, packing
5	888 137 C2	HALF, piston	17	879 020 C91	SEAL
6	882 627 C1	PACKING, piston (2)	18	879 021 C1	RING, retaining
7	882 633 C2	BUSHING	19	174 304 H1	SCREW, 1/4"-28 x 3/4" set (3)
8	888 137 C2	HALF, piston	20	220 664 H2	RING, thread lock (If equipped)
9	130 709 H1	GLAND, cylinder	21	891 547 C91	ROD w/BUSHING, 158 833 H1,
10	876 095 C1	"O" RING	22	158 833 H1	BUSHING
11	893 780 C1	WASHER, back-up			

*Serial number not available.

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BOOM CYLINDER (4" Diameter)
* and up
C005611 and up



CE-114699

Parts without letters after the description indicates the part is used for all cylinders listed below. Letters "A" and "B" are used to identify separate cylinders.

A	933 452 C91	CYLINDER ASSEMBLY, boom (Order CYLINDER 933 452 C92)	9	933 056 C2	GLAND (rod seal groove I.D. 2.50, rod seal groove width .420) (Order GLAND 933 056 C2 and SEAL 119 205 C1)
			9	933 056 C2	GLAND (rod seal groove I.D. 2.372, rod seal groove width .385)
B	933 452 C92	CYLINDER ASSEMBLY, boom (2)	10	933 414 C1	SEAL, rod (Used w/GLAND 933 056 C1 only)
	186 335	BOLT (4) (Consists of the following except item 15)	10	119 205 C1	SEAL, rod (Use w/GLAND 933 056 C2 only)
1	933 451 C1	CYLINDER	11	403 844 R1	WIPER, rod
2	933 490 C1	NUT, torque (A)	12	940 679 C1	CAP
2	20 513 R1	NUT, torque (B)	13	933 448 C92	ROD ASSEMBLY
3	383 006 R1	RING, wear	14	158 833 H1	BUSHING
4	533 374 R2	SEAL, piston	15	109 461	FITTING, grease
5	533 375 R1	RING, inner seal	16	285 724 R1	"O" RING
6	533 373 R1	PISTON (A)		1 101 392 C1	COMPOUND
6	1 108 334 C1	PISTON (B)			
7	876 095 C1	"O" RING			
8	381 107 R1	RING, backup			

* - Serial Number Not Available.

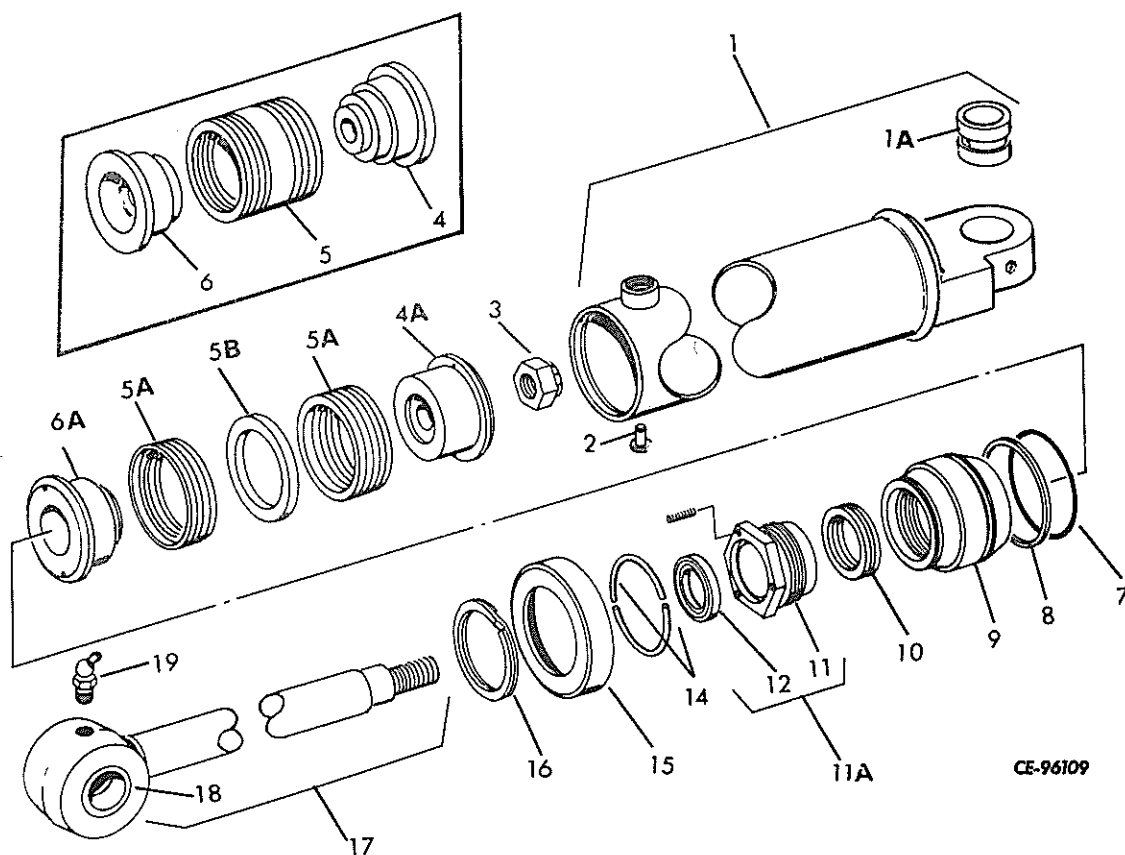
HYDRAULIC COMPONENTS

MEMORANDA

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BUCKET CYLINDER (4" Diameter)



CE-96109

	158 063 H4	CYLINDER ASSEMBLY, bucket (Not used on units equipped with High-Lift Boom) (Order CYLINDER ASSY, 933 419 C91) U004359 and below C004301 and below	2	152 039 H1	PLUG, rubber
			3	18 462 R1	NUT, 1" Esna
			4	144 261 H1	PISTON HALF (Order the following parts - 1 PISTON 882 628 C3 1 PISTON 882 629 C2 1 BUSHING 882 633 C1 2 PACKING 882 627 C1)
	199 948 H3	CYLINDER ASSEMBLY, bucket (Used on units equipped with 9-ft. High-Lift Boom) U004359 and below C004301 and below (Consists of the following parts -	4A	882 628 C3	PISTON HALF (Together with PISTON, 882 629 C2, BUSHING, 882 633 C1, and two PACKING, 882 627 C1, will work for PISTON HALF, 144 261 H1)
1	158 064 H1	CYLINDER w/BUSHING, 158 842 H1 (Not used on units equipped with High-Lift Boom)	5	144 259 H3	PACKING, piston (Use with PISTON HALF, 144 260 H1 and PISTON HALF, 144 261 H1 only)
1	199 949 H2	CYLINDER w/BUSHING, 158 842 H1 (Used on units equipped with High-Lift Boom)			
1A	158 842 H1	BUSHING			

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BUCKET CYLINDER (4" Diameter) — Continued					
			13	140 887	SETSCREW, No. 10-32 x 3/4" (Use w/PACKING NUT, 157 523 H2 only) (2)
5A	882 627 C1	PACKING, piston (Use with PISTON HALF, 882 628 C3, and PISTON HALF, 882 629 C2 only) (2)	13	174 304 H1	SETSCREW, 1/4"-28 x 3/4" (Use w/PACKING NUT, 157 523 H3, 192 367 H1 and 882 057 C1) (3)
5B	882 633 C2	BUSHING (Used with PISTON HALF, 882 628 C3, and PISTON HALF, 882 629 C2 only)	14	125 281 H1	RING, lock (2)
6	144 260 H1	PISTON HALF (Order the following parts - 1 PISTON 882 629 C2 1 PISTON 882 628 C3 1 BUSHING 882 633 C1 2 PACKING 882 627 C1)	15	125 417 H1	CAP, cylinder
			16	125 282 H1	RING, retaining
			17	158 070 H1	PISTON ROD w/BUSHING, 158 833 H1 (Not used on units equipped with High-Lift Boom)
6A	882 629 C2	PISTON HALF (Together with PISTON HALF, 882 628 C3, BUSHING, 882 633 C1, and two PACKING, 882 627 C1, will work for PISTON HALF, 144 260 H1)	17	199 588 H2	PISTON ROD w/BUSHING, 158 833 H1 (Used on units equipped with High-Lift Boom)
7	876 095 C1	"O" RING	18	158 833 H1	BUSHING
8	893 780 C1	WASHER, back-up	19	109 462	FITTING, grease
9	130 709 H1	GLAND, cylinder		126 152	FITTING, grease (Cylinder end)
10	157 522 H3	PACKING, rod			
11	157 523 H2	NUT w/o SEAL, packing (With two No. 10-32 tapped holes) (Order PACKING NUT ASSY., 882 075 C11, and three SET SCREW, 174 304 H1)			
11	157 523 H3	NUT w/o SEAL, packing (With three 1/4"-28 tapped holes) (Order PACKING NUT ASSY., 882 075 C11, and three SET SCREW, 174 304 H1)			
11	192 367 H1	NUT w/o SEAL, packing (With three 1/4"-28 tapped holes) (Order PACKING NUT ASSY., 882 075 C11)			
11	882 075 C1	NUT, packing (Together with SEAL, 879 020 C91, and three SET SCREW, 174 304 H1, will work for PACKING NUTS, 157 523 H2, H3 and 192 367 H1)			
11A	882 075 C11	PACKING NUT w/SEAL, 879 020 C91 (Together w/three SETSCREW, 174 304 H1, will work for PACKING NUTS, 157 523 H2, H3 and 192 367 H1)			
12	172 984 H1	SEAL, wiper (Use w/PACKING NUT, 157 523 H2, H3 and 192 367 H1 only)			
12	879 020 C91	SEAL, wiper (Use w/PACKING NUT, 882 075 C1 only)			

HYDRAULIC COMPONENTS

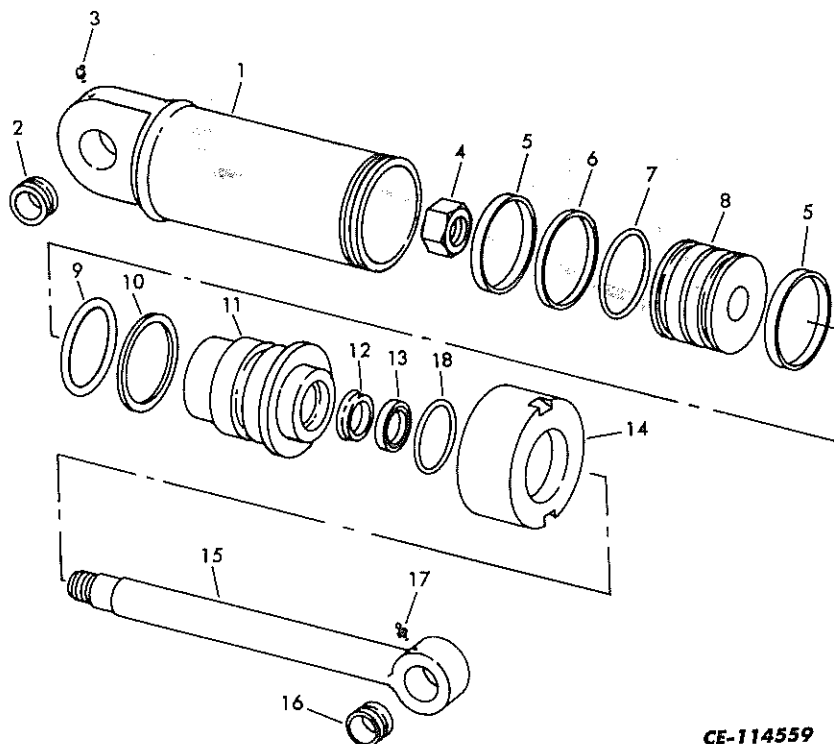
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BUCKET CYLINDER (4" Diameter)					
CE-96910A					
891 557 C92		CYLINDER ASSY., bucket (Not used on units equipped with High-Lift Boom or Logger Attachment) (Order ASSY. 933 419 C91) U004360 to * C004302 to *	11	893 780 C1	WASHER, back-up
931 390 C91		CYLINDER ASSY., bucket (Used only on units equipped with 8-1/2 ft. High-Lift Boom) U004360 and Up C004302 and Up (Consists of the following parts except item 3 and 23)	12	125 281 H1	RING, lock (2)
1	891 556 C2	CYLINDER w/BUSHING, 158 842 H1	13	157 522 H3	PACKING, rod
2	158 842 H1	BUSHING	14	125 417 H1	CAP
3	109 462	FITTING, grease	15	125 282 H1	RING, retaining
4	152 039 H1	PLUG	16	879 028 C1	NUT, packing
5	888 137 C2	HALF, piston	17	879 020 C91	SEAL
6	882 627 C1	PACKING, piston (2)	18	879 021 C1	RING, retaining
7	882 633 C2	BUSHING	19	174 304 H1	SCREW, 1/4"-28 x 3/4" set (3)
8	888 137 C2	HALF, piston	20	220 664 H2	RING, thread lock (If equipped)
9	130 709 H1	GLAND, cylinder	21	891 552 C91	ROD w/BUSHING, 158 833 H1 (Use w/CYLINDER, 891 557 C92)
10	876 095 C1	"O" RING	21	931 391 C91	ROD w/BUSHING, 158 833 H1 (Use w/CYLINDER, 921 390 C91)
			22	158 833 H1	BUSHING
			23	109 461	FITTING, grease

*Serial number not available.

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BUCKET CYLINDER (4" Diameter)



CE-114559

Parts without letters after the description indicates the part is used for all cylinders listed below. Letters "A" and "B" are used to identify separate cylinders.

A 933 419 C91 CYLINDER ASSY, bucket (Order ASSY, 933 419 C92) (See Note)

B 933 419 C92 CYLINDER ASSY, bucket (See Note)
(Consists of the following except items 17 and 3)
* and up
* and up

1 933 417 C1 CYLINDER w/BUSHING, 158 842 H1

2 158 842 H1 BUSHING

3 109 462 FITTING, grease

4 933 490 C1 NUT, torque (A)

4 20 513 R1 NUT, torque (B)

5 383 006 R1 WEAR RING (2)

6 533 374 R2 SEAL, piston

7 533 375 R1 RING, inner seal

8 533 373 R1 PISTON (A)

8 1 108 334 C1 PISTON (B)

9 876 095 C1 "O" RING

10 381 107 R1 RING, back-up

11 933 056 C1 GLAND (Rod seal groove I.D. 2.50, rod seal groove width .420) (Order GLAND, 933 056 C2 and SEAL, 119 205 C1)

11 933 056 C2 GLAND (rod seal groove I.D. 2.372, rod seal groove width .385)

12 933 414 C1 SEAL, rod (Use w/GLAND, 933 056 C1 only)

12 119 205 C1 SEAL, rod (Use w/GLAND, 933 056 C2 only)

13 403 844 R1 WIPER, rod

14 940 679 C1 CAP

15 933 415 C92 ROD ASSEMBLY

16 158 833 H1 BUSHING

17 109 461 FITTING, grease

18 285 724 R1 "O" RING

1 101 392 C1 COMPOUND

NOTE: Not used on units equipped with HIGH-LIFT BOOM or LOGGER attachment.

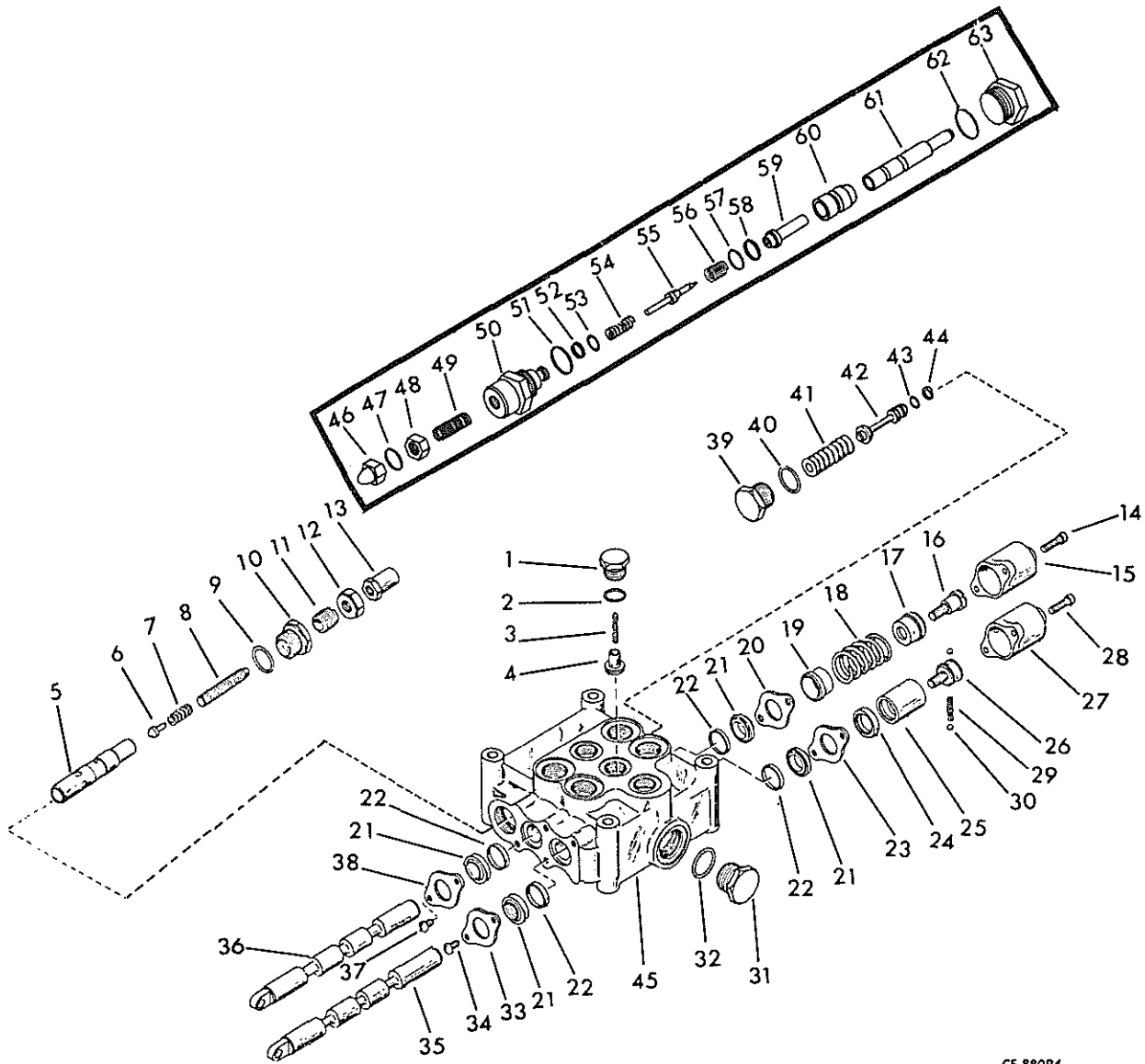
* - Serial number not available.

HYDRAULIC COMPONENTS

MEMORANDA

HYDRAULIC COMPONENTS

CONTROL VALVE (2-Spool)
01001 thru 03338



CE-88094

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CONTROL VALVE (2-Spool) — Continued 01001 thru 03338			31	310 850 R1	PLUG
	161 641 H2	VALVE, control (Husco 3302-22E) (Order VALVE ASSY., 876 688 C91) (See NOTE)	32	297 459 R1	"O" RING
1	310 821 R1	PLUG (3)	33	310 798 R2	PLATE, seal
2	364 885 R1	"O" RING (3)	34	113 954	SCREW (2)
3	310 820 R1	SPRING (3)	35		PLUNGER (Not furnished separately)
4	310 819 R1	POPPET (3)	36		PLUNGER (Not furnished separately)
5	310 809 R1	SLEEVE, valve	37	113 954	SCREW (2)
6	221 471 H1	POPPET	38	310 798 R2	PLATE, seal
7	221 000 H1	SPRING	39	310 807 R1	PLUG
8	310 816 R1	SCREW, adjustment	40	368 269 R1	"O" RING
9	368 269 R1	"O" RING	41	310 808 R1	SPRING
10	310 815 R1	PLUG	42	310 810 R1	POPPET
11	310 814 R1 175 683 H1	PLUG, adjustment WASHER	43	355 967 R1	"O" RING
12	310 817 R1 175 684 H1	NUT, lock WASHER	44	310 811 R1	RING, back-up
13	310 818 R1	NUT, castle	45		HOUSING, valve (Not furnished separately)
14	217 904	SCREW, cap (2)		876 438 C91	RELIEF VALVE CARTRIDGE (Single Adjustment) (Includes Items 46 thru 63) (Replaces Items 5 thru 13 and 39 thru 44) (See Inset and NOTE)
15	310 825 R1	CAP, plunger	46	131 486	NUT, acorn
16	310 824 R1	BOLT	47	195 949 H1	WASHER (2)
17	310 822 R1	SEAT, spring	48	114 494	NUT, jam
18	310 823 R1	SPRING	49	220 460 H1	SCREW, adjusting
19	310 822 R1	SEAT, spring	50	615 011 C1	PLUG
20	310 798 R2	PLATE, seal	51	368 269 R1	"O" RING
21	310 796 R1	OIL SEAL and WIPER (4)	52	613 992 C1	RING, back-up
22	148 609 H1	RING, seal (4)	53	375 271 R1	"O" RING
23	310 798 R2	PLATE, seal	54	195 953 H1	SPRING
24	148 593 H1	WASHER, recessed	55	195 951 H1	POPPET
25	148 594 H1	SLEEVE, detent	56	195 952 H1	SPRING
26	158 508 H1	PIN, detent	57	615 002 C1	"O" RING
27	310 825 R1	CAP, plunger	NOTE: To convert Double Adjustment Valve to Single Adjustment, order 876 438 C91, Relief Valve Cartridge.		
28	217 904	SCREW, cap (2)			
29	148 596 H1	SPRING			
30	16 008 R1	BALL (2)			

HYDRAULIC COMPONENTS

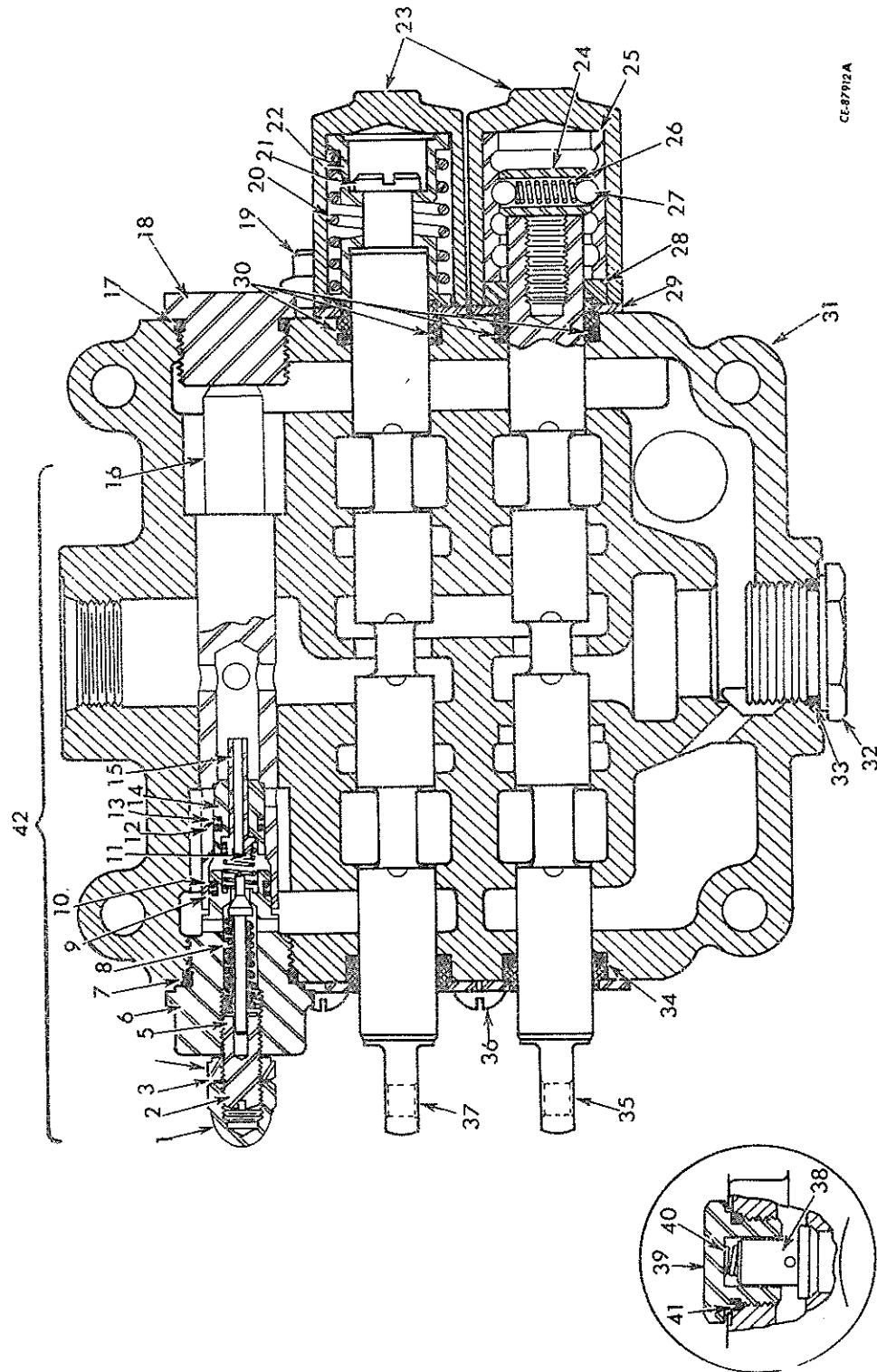
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CONTROL VALVE (2-Spool) -- Continued 01001 thru 03338					
58	890 495 C1	RING, back-up			
59	195 957 H1	PISTON			
60	195 956 H1	POPPET			
61	615 009 C1	SLEEVE			
62	368 269 R1	"O" RING			
63	148 603 H1	PLUG			

HYDRAULIC COMPONENTS

MEMORANDA

HYDRAULIC COMPONENTS

CONTROL VALVE (2-Spool)
03339 and Up



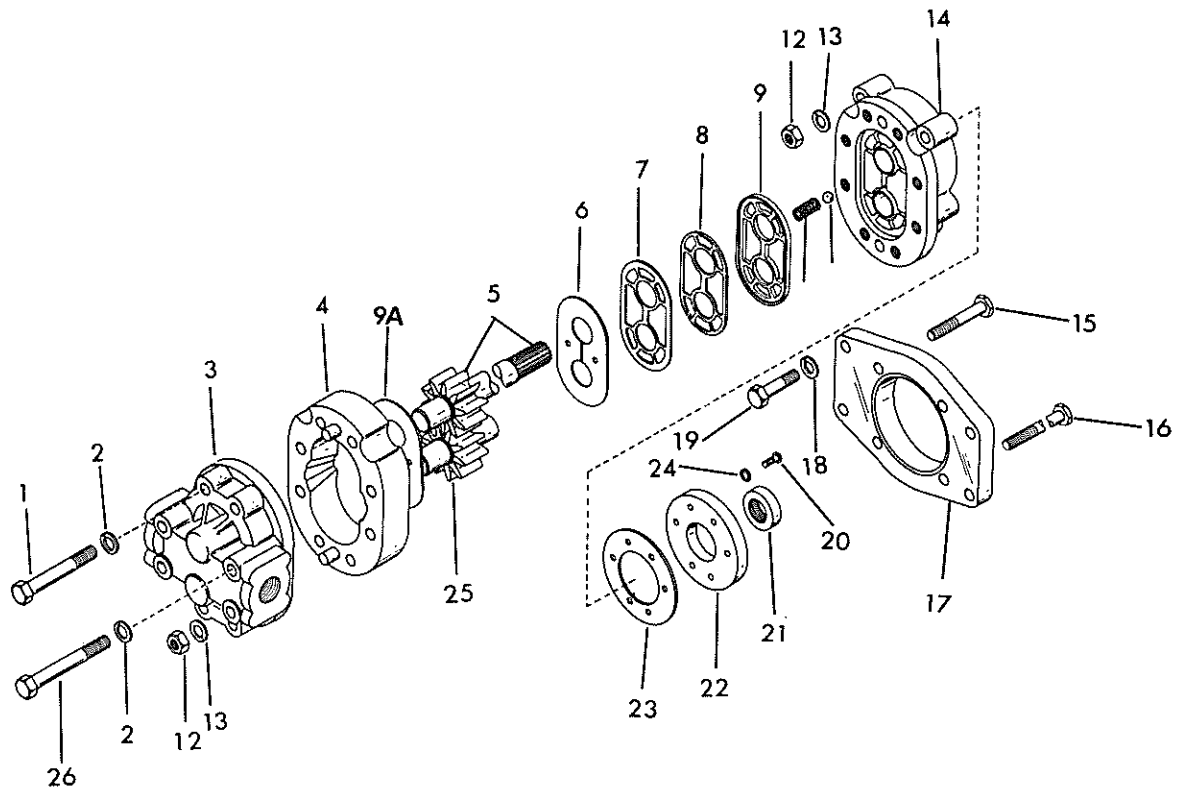
CL-87912A

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CONTROL VALVE - (2-Spool) — Continued 03339 and Up			31		HOUSING, valve
	876 688 C92	CONTROL VALVE ASSEMBLY	32	310 850 R1	PLUG
	186 310	BOLT, 3/8"NF x 3-1/2" (4)	33	297 459 R1	"O" RING
	103 321	WASHER, 3/8" lock (4)	34	202 138 H1	WIPER (4)
	356 005 R1	"O" RING (Return port) (Consists of the following parts -	35		PLUNGER (Boom Spool)
1	131 486	NUT, acorn	36	113 954	SCREW, round head machine (4)
2	613 998 C1	SCREW, adjusting	37		PLUNGER (Bucket spool)
3	347 391 R1	WASHER (2)	38	310 819 R1	POPPET (3)
4	114 494	NUT, jam	39	310 821 R1	PLUG (3)
5	613 996 C1	POPPET	40	310 820 R1	SPRING (3)
6	615 011 C1	PLUG	41	364 885 R1	"O" RING (3)
7	368 269 R1	"O" RING		103 883	PLUG
8	615 001 C1	SPRING			03742 and up
9	890 496 C1	RING, back-up	42	876 817 C91	CARTRIDGE, valve relief (Order CARTRIDGE, 924 285 C91)
10	375 271 R1	"O" RING	42	924 285 C92	CARTRIDGE, valve relief
11	939 255 C1	SPRING			
12	615 002 C1	"O" RING			
13	890 495 C1	RING, back-up			
14	615 003 C1	POPPET			
15	613 997 C1	PISTON			
16	615 009 C1	SLEEVE			
17	368 269 R1	"O" RING			
18	148 603 H1	PLUG			
19	217 904	SCREW, soc-hd cap (4)			
20	310 823 R1	SPRING, plunger			
21	310 824 R1	SCREW, cap			
22	310 822 R1	SEAT, spring (2)			
23	310 825 R1	CAP (2)			
24	158 508 H1	PIN, detent			
25	148 594 H1	SLEEVE			
26	148 596 H1	SPRING, detent			
27	16 008 R1	BALL (2)			
28	148 593 H1	SPACER			
29	310 798 R2	PLATE, spacer (4)			
30	876 067 C1	"O" RING (4)			

HYDRAULIC COMPONENTS

MAIN PUMP



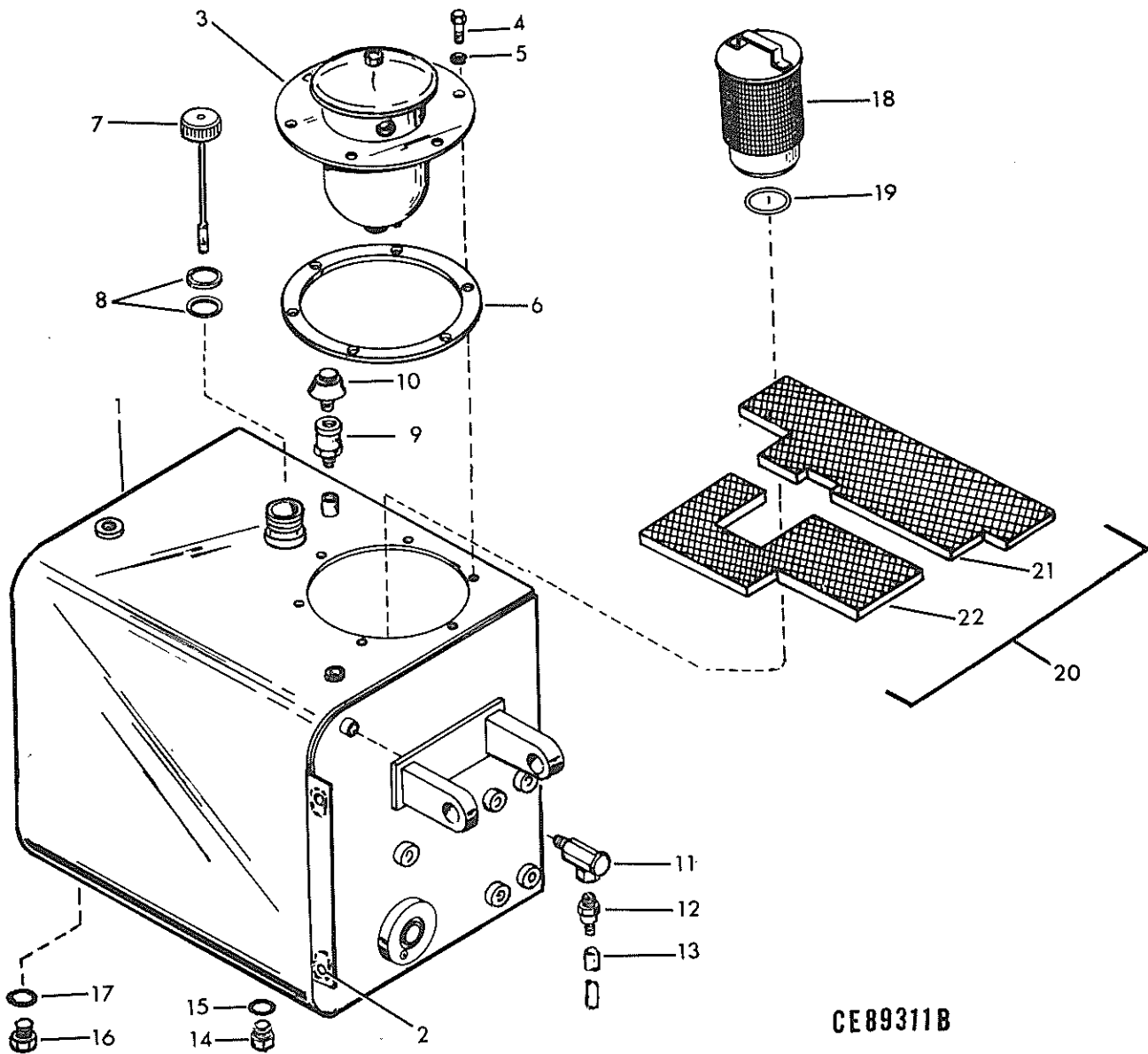
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HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MAIN PUMP — Continued					
		Parts without letters after the description indicates the part is used for all pumps listed below. Letters "A" and "B" are used to identify separate pumps.			
A	157 342 H2	PUMP ASSEMBLY (Cessna 20016-1EBQ)	23		GASKET, seal retainer (@) (≠) (A)
B	157 342 H3	PUMP ASSEMBLY (Cessna 20017-1EBQ)	24		"O" RING (@) (A) (2)
1	179 873	BOLT, 7/16"NC x 3-3/4" (2)	25	158 568 H1 153 598 H1	GEAR ASSY., idler RING, snap (2)
2	103 322	WASHER, 7/16" lock (6)	26	186 292	BOLT, 7/16"NC x 4-1/4" (4)
3	165 312 H1	PLATE ASSEMBLY, back		165 757 H2	KIT, major seal repair (Used with 157 342 H2, PUMP) (Includes items 6 thru 11 and 20 and 22 thru 24) (x)
4	165 314 H1	BODY ASSEMBLY		203 147 H1	KIT, shaft seal repair (Used with 157 342 H2, PUMP) (Includes items 20, 21 and 23) (x)
5	158 567 H1 153 598 H1	GEAR ASSY., drive RING, snap (2)		199 393 H2	KIT, major seal repair (Used with 157 342 H3, PUMP) (Includes items 6 thru 11 and 21) (x)
6	206 134 H1	DIAPHRAGM (@) (%)			
7	921 257 C1	GASKET, protector (@) (%)			
8	153 587 H1	GASKET, back-up (@) (%)			
9	921 258 C1	SEAL, diaphragm (@) (%)			
9A	889 145 C1	PLATE, thrust (@) (%)			
10	381 230 R1	SPRING (@) (%)			
11	16 013 R1	BALL (@) (%)			
12	103 028	NUT, 1/2"NF hex (4)			
13	103 323	WASHER, 1/2" lock (4)			
14	165 313 H1	PLATE ASSEMBLY, front (Order FRONT PLATE ASSY., 199 392 H1 and MAJOR SEAL REPAIR KIT, 199 393 H2) (A)			
14	199 392 H1	PLATE ASSEMBLY, front (B)			
15	157 575 H1	SCREW, cap (2)			
16	157 574 H1	SCREW, cap (2)			
17	133 095 H1	PLATE, adapter			
18	103 323	WASHER, 1/2" lock (4)			
19	179 885	SCREW, cap (4)			
20		SCREW, 1/2"NC x 1-1/2", machine (@) (≠) (A) (6)			(@) - Part of Major Seal Repair Kit, 165 757 H2. (≠) - Part of Shaft Seal Repair Kit, 203 147 H1. (%) - Part of Major Seal Repair Kit, 199 393 H2.
21		SEAL, retainer (≠) (A)			(x) - As Required.
21	55 294 C1	SEAL (%) (B)			
22		RETAINER, seal (@) (A)			

HYDRAULIC COMPONENTS

RESERVOIR



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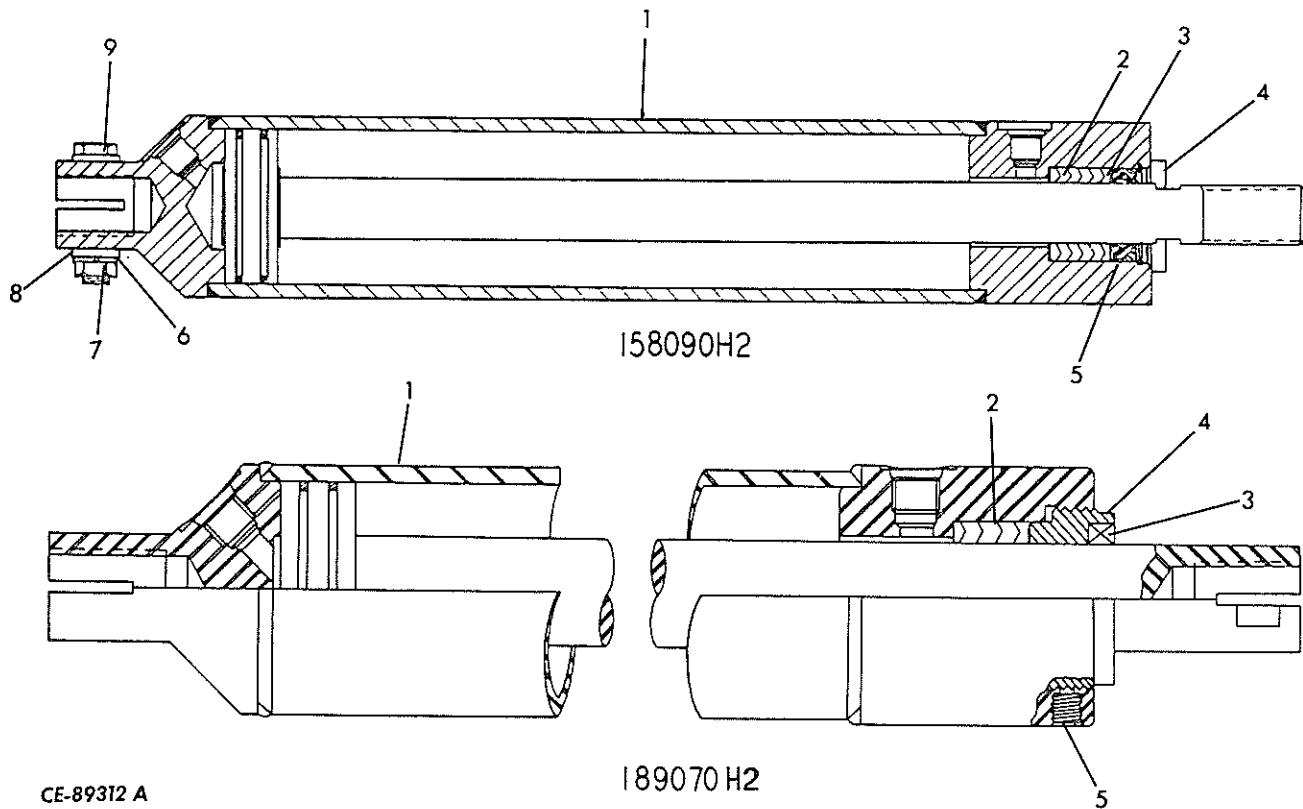
HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
RESERVOIR — Continued			22	168 765 H1	TRAP, sediment (RH) (Used with KIT, 173 564 H1)
1	158 048 H3 271 556 103 325	RESERVOIR SCREW, hex-hd cap (4) WASHER, lock (4)	22	193 931 H1	TRAP, sediment (RH) (Used with KIT, 193 946 H1)
2	165 338 H1	NUT, tab weld (2)			
3		FILTER ASSEMBLY (Refer to "Reservoir Oil Filter")			
4	181 364	BOLT, hex-hd cap (6) U004382 and below C004572 and below			
4	25 772 R1	BOLT, hex-hd cap (6) U004383 and up C004573 and up			
5	125 003 H1	WASHER, seal (Used w/SCREW, 181 364) (6)			
6	144 108 H2	GASKET			
7	198 578 H2	CAP w/DIPSTICK			
8	134 045 H1	SEAL, dipstick (2)			
9	150 269 H1	BREAKER, vacuum			
10	662 250 C1	BREATHER			
11	153 435 H1	VALVE, check			
12	158 060 H1	COUPLING			
13	158 061 H1	HOSE			
14	9 410 361	PLUG, drain			
15	368 269 R1	"O" RING			
16	9 410 363	PLUG, drain			
17	296 247 R1	"O" RING			
18	154 256 H1	SCREEN			
19	290 987 R1	"O" RING			
20	173 564 H1	SEDIMENT TRAP KIT 10BH-1701 thru 2161 11BH-1201 thru 1630			
20	193 946 H1	SEDIMENT TRAP KIT 10BH-2162 and up 11BH-1631 and up			
21	168 764 H1	TRAP, sediment (LH) (Used with KIT, 173 564 H1)			
21	193 932 H1	TRAP, sediment (LH) (Used with KIT, 193 946 H1)			

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STEERING CYLINDER



1	158 090 H2	CYLINDER, steering (Order 189 070 H2 Steering Cylinder) (Includes Items 2 thru 5, used on machines of S/N 1201 thru 2186)
2	159 075 H1	PACKING
3	159 077 H1	SEAL, wiper
4	162 949 H1	NUT, gland
5	159 074 H1	RETAINER
	138 926 H1	CLAMP ASSEMBLY (Includes Items 6 thru 9)
6	138 925 H1	CLAMP (*)
7	103 028	NUT, 1/2"NF hex (*)
8	103 323	WASHER, 1/2" lock (*)
9	181 436	SCREW, 1/2 x 2-1/4"NF cap (*)

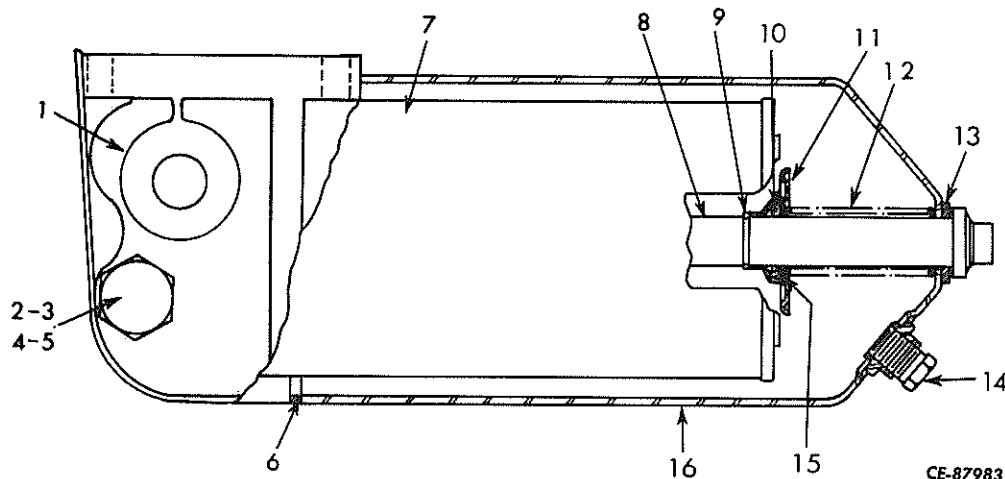
1	189 070 H 2	CYLINDER, steering (Includes items 2 thru 5, used on machines of S/N 2187 and up)
2	189 072 H2	PACKING
3	167 055 H1	SEAL, wiper
4	189 071 H1	NUT, gland
5	187 290 H1	SCREW, set
	138 926 H1	CLAMP ASSEMBLY (Includes items 6 thru 9) (2)
	138 925 H1	CLAMP (*)
	103 028	NUT, 1/2"NF hex (*)
	103 323	WASHER, 1/2" lock (*)
	181 436	SCREW, 1/2 x 2-1/4"NF cap (*)

(*) - Quantity shown for (1) clamp.

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CONVERTER LINE OIL FILTER

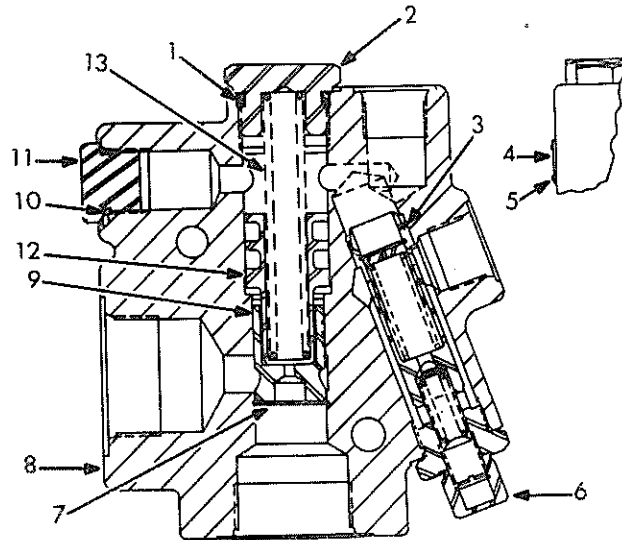


	922 026 C1	OIL FILTER ASSEMBLY (Consists of the following parts -	8	880 625 C1	STUD, center
1	191 479 H1	BASE ASSEMBLY, oil filter (Includes Ref. Nos. 2 to 5)	9	132 543 H1	RING, retaining
2	191 474 H1	PLUG	10	302 571 R1	GASKET, center stud
3	191 477 H1	GASKET, plug	11		NOT USED
4	191 475 H1	SPRING	12	313 021 R1	SPRING, retainer
5	191 476 H1	VALVE	13	302 567 R1	GASKET, center stud
6	302 565 R1	GASKET	14	165 714 H1	PLUG, drain
7	302 574 R91	PACKAGE, oil filter element (Consists of ELEMENT and GASKET, 302 565 R1)	15	302 570 R1	WASHER
			16	880 624 C91	OIL FILTER SHELL and STUD ASSEMBLY (Includes items 5 thru 15)

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FLOW DIVIDER



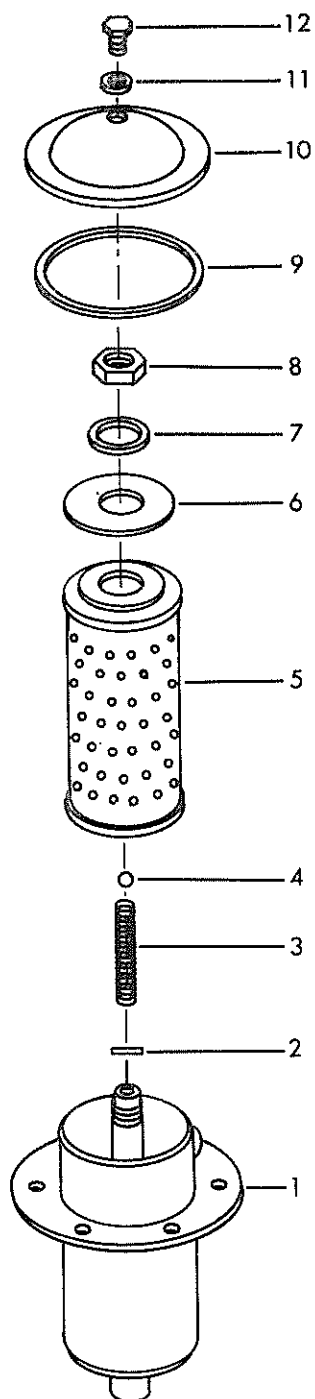
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	152 876 H3	DIVIDER, flow	7	303 322 R1	RING, retaining
1	350 818 R1	"O" RING	8	157 482 H1	BODY
2	921 234 C1	PLUG	9	157 573 H1	PISTON
3	173 922 H1	RING, back-up	10	364 885 R1	"O" RING
4		PLATE, identification	11	9 410 360	PLUG
5		SCREW, drive (2)	12	157 486 H1	PISTON
6	173 923 H1	VALVE, relief (Kit) (Includes item 3 and "O" RING, 574 069 R1)	13	157 487 H1	SPRING
				574 069 R1	"O" RING

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION
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RESERVOIR OIL FILTER



CE-108801

REF. NO.	PART NUMBER	DESCRIPTION
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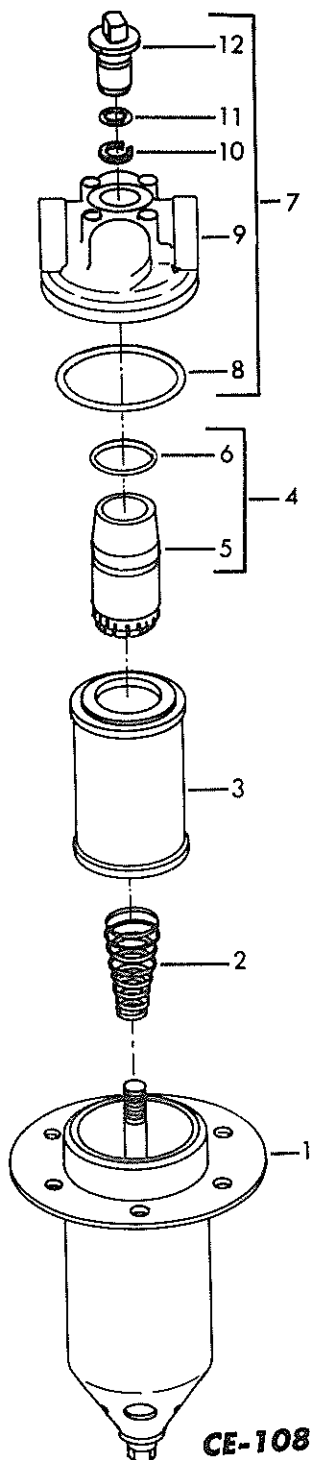
176 832 H1 FILTER ASSEMBLY (Order FILTER ASSY., 940 140 C91)
(Consists of the following parts -

1	177 945 H1	TANK ASSY. (Order FILTER ASSY., 940 140 C91)
1	929 632 C1	TANK ASSY.
2	177 951 H1	PIN
3	177 950 H1	SPRING
4	16 018 R1	BALL, steel
5	147 046 H1	ELEMENT
6	177 949 H1	PLATE, hold-down
7	177 948 H1	WASHER
8	177 947 H1	NUT, hold-down
9	155 367 H1	GASKET, cover
10	177 946 H1	COVER
11	166 534 H1	WASHER
12	181 388	SCREW, hex-hd cap

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION
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RESERVOIR OIL FILTER



REF. NO.	PART NUMBER	DESCRIPTION
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940 140 C91 FILTER ASSEMBLY
(Consists of the following parts -

1		TANK ASSY. (Not furnished separately)
2	940 391 C1	SPRING
3	940 122 C1	ELEMENT
4	940 390 C91	INDICATOR ASSY.
5		INDICATOR (Order INDICATOR ASSY., 940 390 C91)
6	876 077 C1	"O" RING
7	940 389 C91	HEAD ASSY.
8	940 388 C1	"O" RING
9		HEAD (Order HEAD ASSY., 940 389 C91)
10	940 387 C1	RING, retaining
11	876 066 C1	"O" RING
12	940 386 C1	NUT, special

SECTION 12

ELECTRICAL SYSTEM

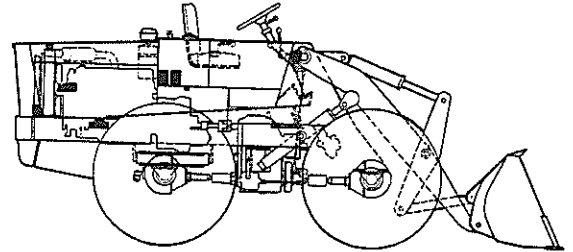


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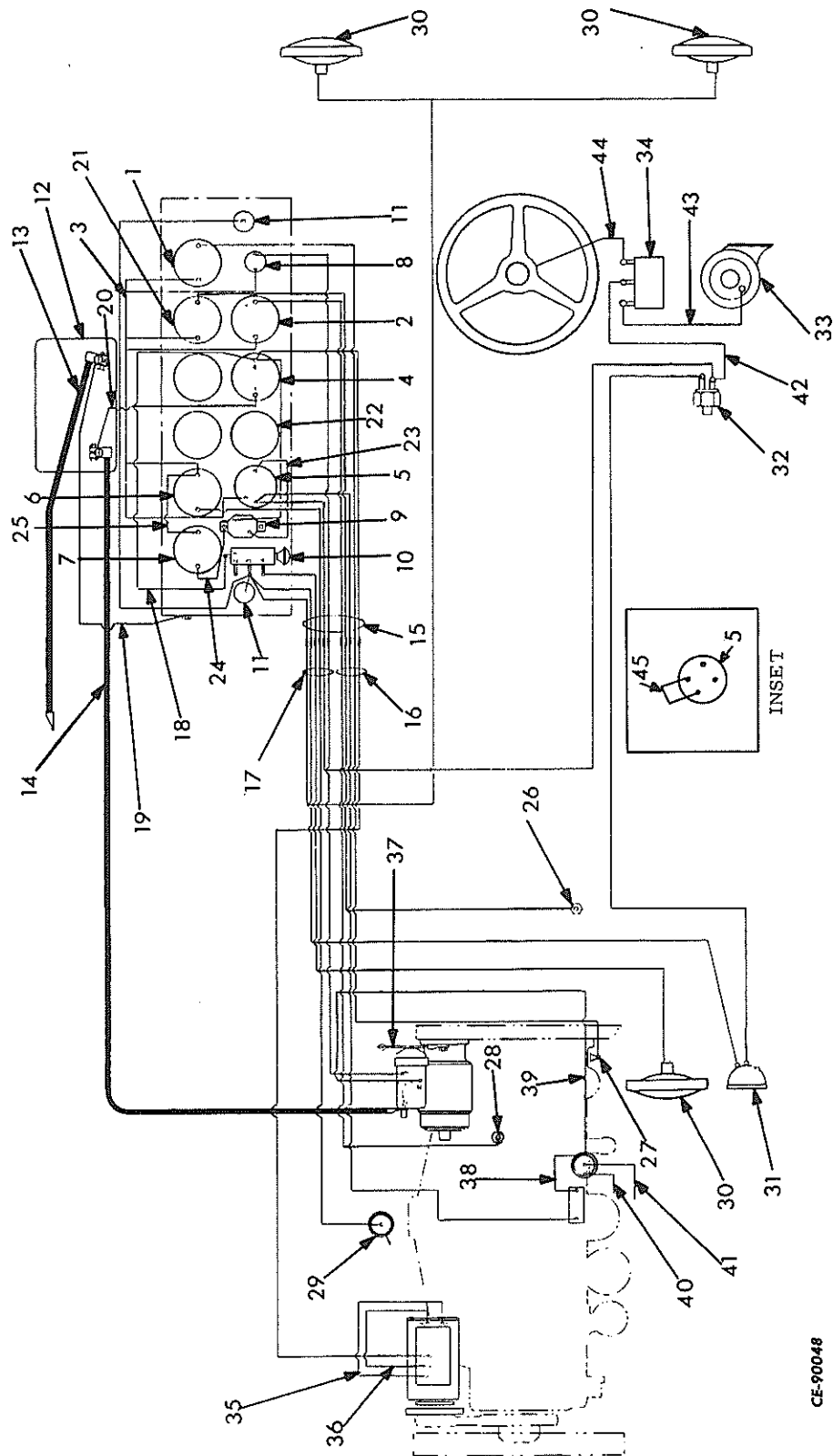
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ELECTRICAL

WIRING (G-263 and U-240)
01701 thru 03556



CE-90048

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (G-263 and U-240) — Continued 01701 thru 03556			24	187 396 H1	WIRE, ground, hourmeter
			25	187 395 H1	WIRE, jumper, hourmeter
1		GAUGE, engine oil pressure (*)	26		SENDER, temperature, T.C. (*)
2		GAUGE, engine temperature (*)	27		SENDER, oil pressure (*)
3		GAUGE, torque converter (*)	28		SENDER, temperature engine (*)
4		AMMETER (*)	29		SENDER, fuel tank unit (See Section 2)
5	126 412 H1	SWITCH, ignition (Push Button Type) 01701 thru 02125	30		LAMP, front and rear driving (See "Front and Rear Driving Lamp" in this section) (3)
5	125 185 H1	SWITCH, ignition (Lever type) (Order SWITCH, 877 123 C91 plus JUMPER WIRE, 101 981 H1)	31		LIGHT, tail and stop (See "Tail Light and Stop Light" in this section)
5	125 186 H1	LEVER ASSEMBLY (Used with SWITCH, 125 185 H1)	32	112 339 H2 105 422	SWITCH, stoplight ELBOW
5	190 345 H1	SWITCH, ignition (Order SWITCH, 877 123 C91, plus (1) JUMPER WIRE, 101 981 H1)	33	1 892 163 197 420 H2 197 422 H1 181 317	HORN NUT BRACKET, horn SCREW, 1/4"NF x 1-1/4" cap (2)
5	877 123 C91	SWITCH, ignition (See Inset)		103 024 103 319	NUT, 1/4"NF hex (2) WASHER, 1/4" lock (2)
6		GAUGE, fuel (*)			
7		HOURLMETER (*)			
8		SWITCH, starter (*)	34	1 116 969	RELAY, horn
9		BREAKER, circuit (*)	35	148 175 H1	WIRE, generator to regulator (Field)
10		SWITCH, light (*)	36	148 175 H1	WIRE, generator to regulator (Arm)
11		LAMP, dash (*)	37	110 420 H1	CABLE, starter ground
12		BATTERY (See "Battery and Mounting" in this section)	38	HA-1000	WIRE, resistor to coil
13	147 650 H1	CABLE, battery to ground	39	129 305 H1	WIRE, coil to starter
14	133 666 H1	CABLE, battery to starter	40	HA-1000	WIRE, coil to distributor, primary
15	175 047 H3	LOOM, instrument panel	41	148 002 H1	WIRE, distributor to coil, secondary
16	174 510 H3	HARNESS, wiring	42	197 423 H1	WIRE, stoplight switch to horn relay
17	174 512 H2	HARNESS, wiring	43	197 423 H1	WIRE, horn relay to horn
18	109 866 H1	WIRE, ammeter to light switch	44	HL-3423	WIRE, horn relay to steering gear
19	177 235 H1	WIRE, ground instrument panel 01701 thru 02141	45	101 981 H1	WIRE, jumper (Used with IGNITION SWITCH, 877 123 C91)
19	192 357 H1	WIRE, ground instrument panel 02142 thru 03556		129 668 H1	CLIP (3)
20	177 235 H1	WIRE, battery to ammeter		136 139 H1	CLIP (4)
21	175 353 H2	WIRE, instrument jumper			
22	109 866 H1	WIRE, ammeter to circuit breaker			
23	134 319 H1	WIRE, ignition switch to circuit breaker			

(*) - See "Instrument Panel and Related
Parts" in this section.

ELECTRICAL

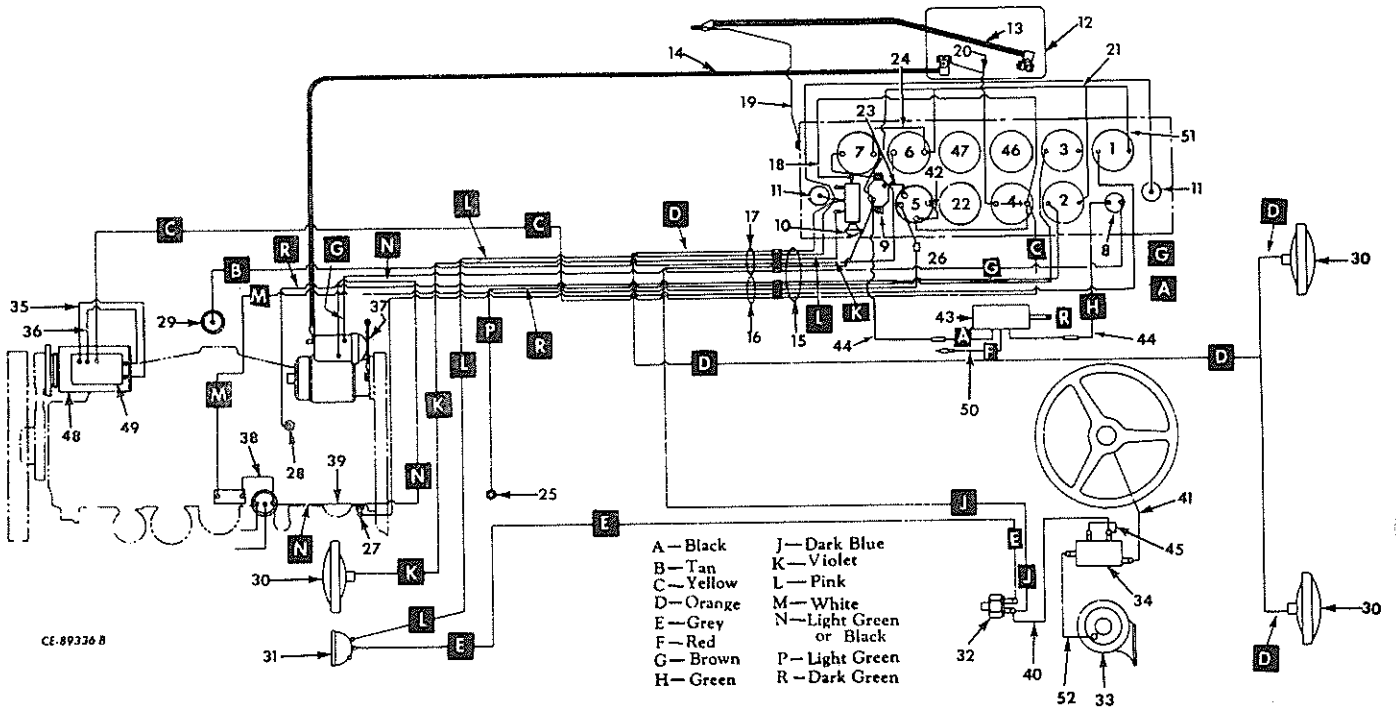
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (G-263 and U-240) -- Continued 01701 thru 03556					
	24 841 R1	BOLT (Starter Ground Wire)			
	178 551	WASHER, lock (Starter ground wire)			
	25 522 R1	NUT (Starter ground wire)			
	120 614	NUT (Wire to starter)			
	120 217	WASHER, lock (Wire to starter)			
	120 614	NUT (T.C. and Engine Temperature Senders) (2)			
	120 217	WASHER, lock (T.C. and Engine Temperature Senders) (2)			
	147 137 H1	NUT, starter solenoid "R" terminal			
	151 297 H1	NUT, starter solenoid "S" terminal			
	187 631 H1	NUT, starter solenoid "Batt" terminal			
	884 848 C1	WIRE, instrument panel loom to ignition switch			

ELECTRICAL

MEMORANDA

ELECTRICAL

WIRING (G-263)
U003557 thru U003970
C003557 thru C004057



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (G-263) — Continued U003557 thru U003970 C003557 thru C004057			21	175 353 H2	WIRE, instrument jumper
			22	109 866 H1	WIRE, ammeter to circuit breaker
1		GAUGE, engine oil pressure (See "Instrument Panel and Related Parts" in this section)	23	134 319 H1	WIRE, ignition switch to circuit breaker
2		GAUGE, engine temperature (See "Instrument Panel and Related Parts" in this section)	24	187 396 H1	WIRE, ground, hourmeter
3		GAUGE, torque converter temperature (See "Instrument Panel and Related Parts" in this section)	25		SENDER, torque converter temperature (See "Instrument Panel and Related Parts" in this section)
4		AMMETER (See "Instrument Panel and Related Parts" in this section)	26	193 848 H1	WIRE, instrument panel loom to ignition switch 03557 thru 03871
5	877 123 C91	SWITCH, ignition	26	884 848 C1	WIRE, instrument panel loom to ignition switch 03872 and up
6		GAUGE, fuel (See "Instrument Panel and Related Parts" in this section)	27		SENDER, oil pressure (See "Instrument Panel and Related Parts" in this section)
7		HOURLMETER (See "Instrument Panel and Related Parts" in this section)	28		SENDER, engine temperature (See "Instrument Panel and Related Parts" in this section)
8		SWITCH, starter (See "Instrument Panel and Related Parts" in this section)		120 614 120 217	NUT, senders (2) WASHER, lock senders (2)
9		BREAKER, circuit (See "Instrument Panel and Related Parts" in this section)	29		SENDER, fuel tank (See Section 2)
10		SWITCH, light (See "Instrument Panel and Related Parts" in this section)	30		LIGHT DRIVING (See "Front and Rear Driving Lamp Assembly" in this section) (3)
11		LAMP, dash (See "Instrument Panel and Related Parts" in this section) (2)	31		LAMP, combination rear (See "Tail Light and Stop Light" in this section) CLIP (1) (3) CLIP (2) (4)
12		BATTERY (See "Battery and Mounting" in this section)	32	112 339 H2 105 422	SWITCH, stop light ELBOW, 90° stop light switch
13	147 650 H1	CABLE, battery to ground	33	1 892 163 197 422 H1 181 317 103 024 103 319	HORN BRACKET, horn BOLT (2) NUT (2) WASHER, lock (2)
14	133 666 H1	CABLE, battery to starter	34	1 116 969 197 420 H2	RELAY, horn NUT
15	175 047 H2	LOOM, instrument panel 03557 thru 03871	35	148 175 H1	WIRE, generator to voltage regulator (Field)
15	175 047 H4	LOOM, instrument panel 03872 and up	36	148 175 H1	WIRE, generator to voltage regulator (Arm)
16	174 510 H3	HARNESS, wiring	37	110 420 H1	CABLE, start to ground
17	174 512 H2	HARNESS, wiring	38	HA-1000	WIRE, coil to resistor (2)
18	109 866 H1	WIRE, ammeter to light switch	39	129 305 H1	WIRE, coil to starter
19	192 357 H1	WIRE, ground instrument panel			
20	177 235 H1	WIRE, battery to ammeter			

ELECTRICAL

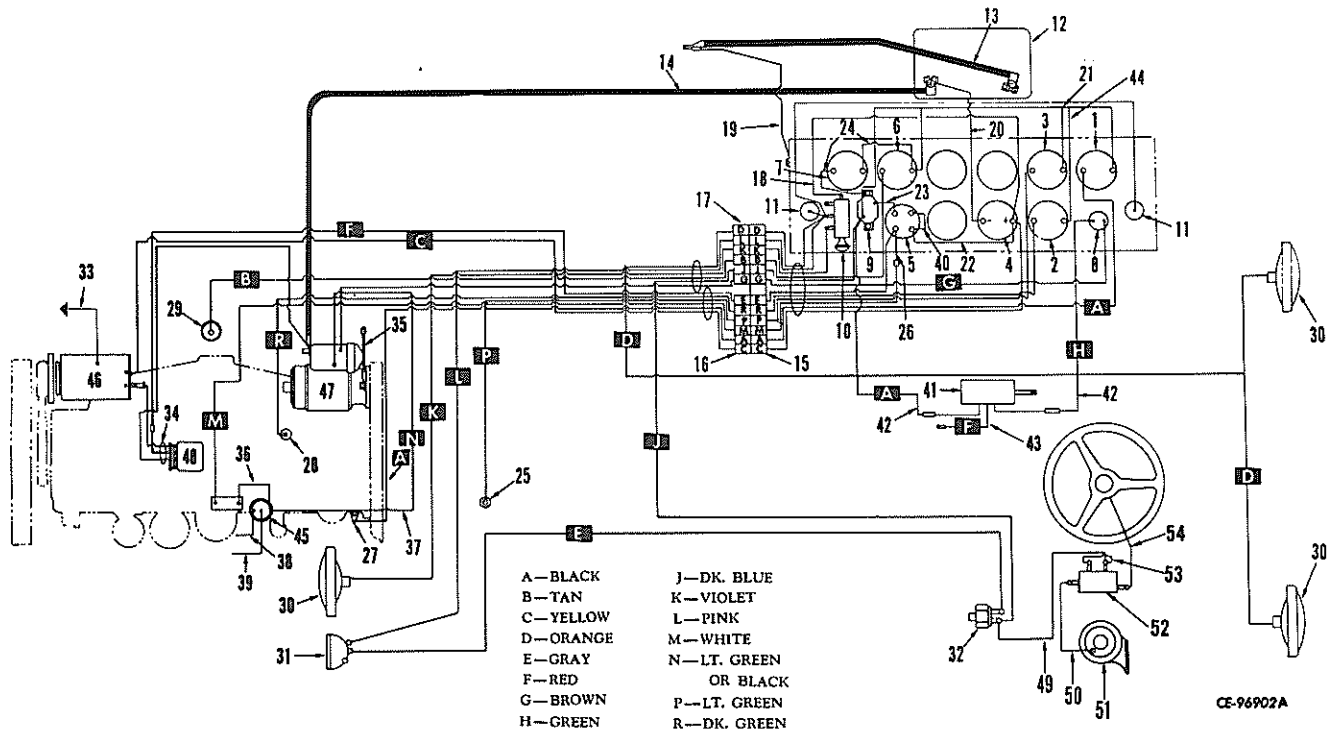
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (G-263) — Continued U003557 thru U003970 C003557 thru C004057					
40	109 193 H1	WIRE, stop light switch to horn relay			
41	HL-3423	WIRE, horn relay to steering gear			
42	101 981 H1	WIRE, jumper, ignition switch			
43		SWITCH, neutral safety (See break- down in this section) 03822 and up			
44	879 750 C2	CABLE (2)			
45	101 981 H1	WIRE, jumper			
46		GAUGE, transmission clutch pressure (See "Instrument Panel and Related Parts" in this section)			
47		GAUGE, hydraulic oil pressure (See "Instrument Panel and Related Parts" in this section)			
48		GENERATOR (See "Generator" in this section)			
49		REGULATOR, voltage (See "Voltage Regulator" in this section)			
50		TAPED BACK (Unused lead)			
51		TAPED BACK (Unused lead)			
52	197 423 H1	WIRE, relay to horn			

ELECTRICAL

MEMORANDA

ELECTRICAL

WIRING (G-263)
U003971 thru 04854
C004058 thru 04788



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (G-263) — Continued U003971 thru 04854 C004058 thru 04788			26	884 848 C1	WIRE, instrument panel loom to ignition switch
1		GAUGE, engine oil pressure (See "Instrument Panel" in this section)	27		SENDER, engine oil pressure (See "Instrument Panel" in this section)
2		GAUGE, engine temperature (See "Instrument Panel" in this section)	28		SENDER, temperature engine (See "Instrument Panel" in this section)
3		GAUGE, T.C. temperature (See "Instrument Panel" in this section)	29		SENDER, fuel tank (See "Fuel Tank - G - 263" in Section 2)
4		AMMETER (See "Instrument Panel" in this section)	30		LIGHTS, driving (See "Driving Lamps" in this section)
5	877 123 C91	SWITCH, ignition	31		LIGHT, tail and stop (See "Tail Light and Stop Light" in this section)
6		GAUGE, fuel (See "Instrument Panel" in this section)	32	112 339 H2 105 422	SWITCH, stop light ELBOW, 90° stop light switch
7		HOURLMETER (See "Instrument Panel" in this section)	33	101 984 H1	WIRE, alternator to ground
8		SWITCH, starter (See "Instrument Panel" in this section)	34	887 523 C2	HARNESS, regulator to alternator
9		BREAKER, circuit (See "Instrument Panel" in this section)	35	109 201 H1 24 841 R1 178 551 25 522 R1	CABLE, starter to ground BOLT WASHER, 3/8" CAD-Z lock NUT
10		SWITCH, light (See "Instrument Panel" in this section)	36	69 700 R91	WIRE, resistor to coil
11		LAMP ASSEMBLY, dash (See "Instrument Panel" in this section) (2)	37	129 305 H1	WIRE, coil to starter
12		BATTERY (See "Battery and Mounting" in this section)	38		WIRE, coil to distributor - Primary (See Engine Manual)
13	113 158 H1	CABLE, battery to ground	39	148 002 H1	WIRE, coil to distributor - Secondary
14	133 666 H1	CABLE, battery to starter	40	101 981 H1	WIRE, jumper - Ignition switch
15	175 047 H4	LOOM, instrument panel	41		SWITCH, neutral safety (See breakdown in this section)
16	885 263 C2	HARNESS, wiring	42	879 750 C2	CABLE (2)
17	174 512 H2	HARNESS, wiring	43		TAPED BACK (Unused lead)
18	109 866 H1	WIRE, ammeter to light switch	44		TAPED BACK (Unused lead)
19	192 357 H1	WIRE, ground instrument panel	45	1 115 202 179 812 179 816 103 320 31 987 D 615 031 R1	COIL BOLT, 5/16"NC x 1-1/2" BOLT, 5/16"NC x 3/4" WASHER, 5/16" lock (2) SPACER, resistor WASHER, 5/16" (2)
20	177 235 H1	WIRE, battery to ammeter	46		ALTERNATOR (See "Alternator" in this section)
21	175 353 H2	WIRE, instrument jumper	47		STARTER/SOLENOID (See Engine Manual)
22	109 866 H1	WIRE, ammeter to circuit breaker	48		REGULATOR, voltage (See "Voltage Regulator" in this section)
23	134 319 H1	WIRE, ignition switch to circuit breaker			
24	187 396 H1	WIRE, ground, hourmeter			
25		SENDER, temperature, T.C. (See "Instrument Panel" in this section)			

ELECTRICAL

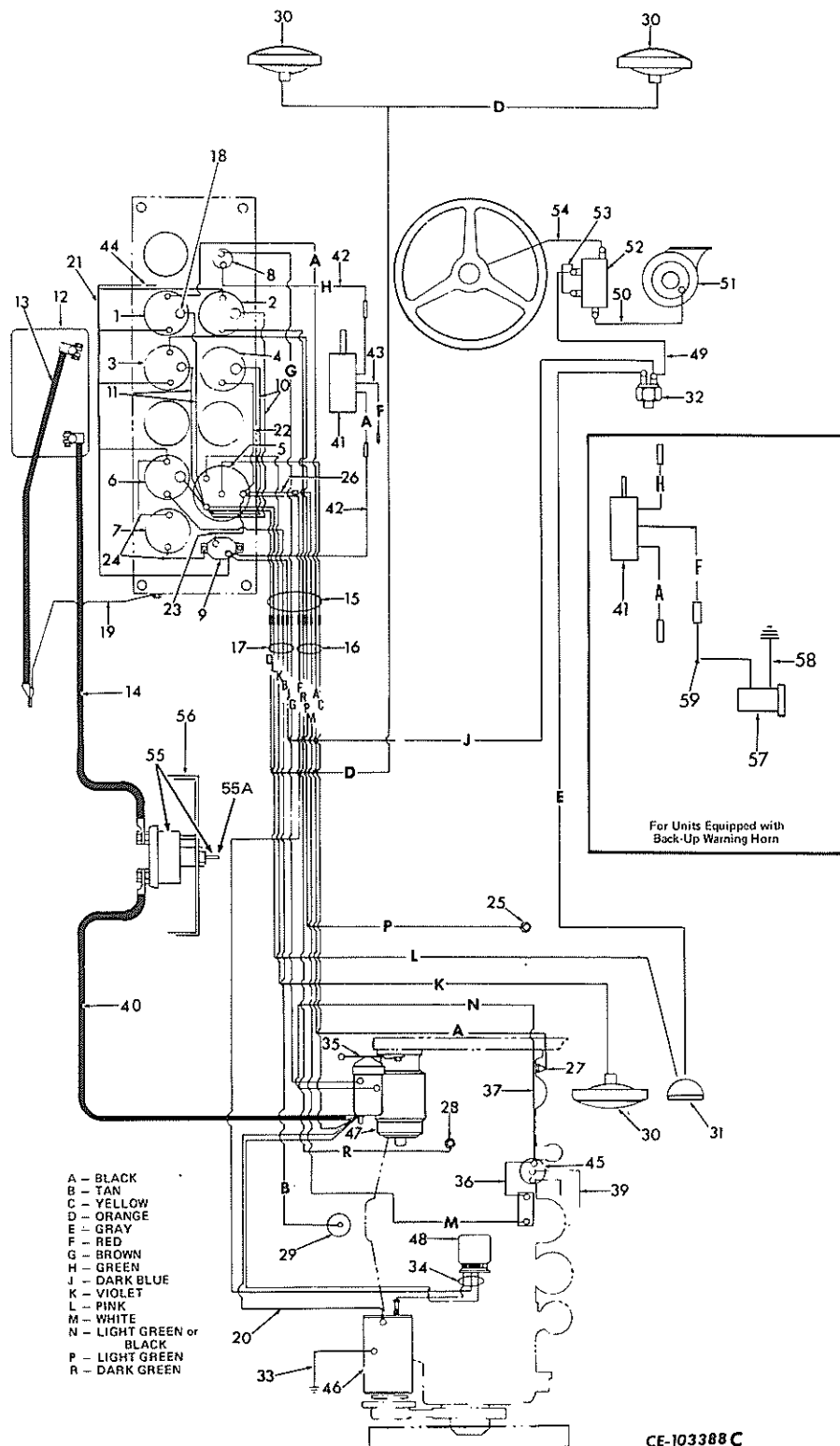
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (G-263) — Continued					
U003971 thru 04854					
C004058 thru 04788					
49	109 193 H1	WIRE, stop light switch to relay			
50	197 423 H1	WIRE, horn relay to horn			
51	1 892 163	HORN			
	197 422 H1	BRACKET, horn			
	181 317	BOLT, 1/4 x 1-1/4"NF (2)			
	103 024	NUT, 1/4"NF hex (2)			
	103 319	WASHER, 1/4" lock (2)			
52	1 116 969	RELAY, horn			
53	101 981 H1	WIRE, jumper			
54	HL-3423	WIRE, horn relay to steering gear			
	129 668 H1	CLIP, on steering tubes (LH channel)			
	129 668 H1	CLIP, on flow control valve			
	129 668 H1	CLIP, on flywheel housing			
	136 139 H1	CLIP, on throttle cross shaft bearings (2)			
	136 139 H1	CLIP, on steering column			
	136 139 H1	CLIP, on engine oil pan			

ELECTRICAL

MEMORANDA

ELECTRICAL

WIRING (G-263)
U004855 and Up
C004789 and Up



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (G-263) — Continued U004855 and Up C004789 and Up			23	134 319 H1	WIRE, ignition switch to circuit breaker
1		GAUGE, engine oil pressure (Refer to "Instrument Panel and Related Parts")	24	187 396 H1	WIRE, hourmeter jumper (2)
2		GAUGE, engine temperature (Refer to "Instrument Panel and Related Parts")	25		SENDER, temperature, T.C. (Refer to "Instrument Panel")
3		GAUGE, T.C. temperature (Refer to "Instrument Panel and Related Parts")	26	884 848 C1	WIRE, instrument panel loom to ignition switch
4		VOLTMETER (Refer to "Instrument Panel and Related Parts")	27		SENDER, engine oil pressure (Refer to "Instrument Panel")
5	217 044 H1	SWITCH, ignition	28		SENDER, temperature engine (Refer to "Instrument Panel")
6		GAUGE, fuel (Refer to "Instrument Panel and Related Parts")	29		SENDER, fuel tank (Refer to "Fuel Tank and Related Parts - G-263")
7		HOURLMETER (Refer to "Instrument Panel and Related Parts")	30		LIGHTS, driving (Refer to "Front and Rear Driving Lamp Assy.")
8		SWITCH, starter (Refer to "Instrument Panel and Related Parts")	31		LIGHT, tail and stop (Refer to "Tail Light and Stop Light")
9		BREAKER, circuit (Refer to "Instrument Panel and Related Parts")	32	112 339 H2	SWITCH, stop light
10	922 163 C1	CABLE, switch to gauge lights	33	101 984 H1	WIRE, alternator to ground
11	922 162 C1	CABLE, switch to gauge lights	34	887 523 C2	HARNESS, regulator to alternator
12		BATTERY (Refer to "Battery and Mounting")	35	110 420 H1 24 841 R1 178 551 25 522 R1	CABLE, starter to ground BOLT WASHER, 3/8" CAD-Z lock NUT
13	113 158 H1	CABLE, battery to ground	36	69 700 R91	WIRE, resistor to coil
14	133 666 H1	CABLE, battery to starter U005128 and below C005168 and below	37	129 305 H1	WIRE, coil to starter
14	117 536 H1	CABLE, battery to disconnect switch U005129 and up C005169 and up	38		WIRE, coil to distributor - Primary (Refer to PMG-263 Engine Manual)
15	175 047 H4	LOOM, instrument panel	39	188 989 H2	WIRE, coil to distributor - secondary
16	922 167 C1	HARNESS, wiring	40	111 821 H1	CABLE, disconnect switch to starter solenoid U005129 and up C005169 and up
17	174 512 H2	HARNESS, wiring	41		SWITCH, neutral safety (Refer to "Neutral Safety Switch")
18	131 282	BULB (Trade No. 53) (5)	42	879 750 C2	CABLE (2)
19	192 357 H1	WIRE, ground instrument panel	43		TAPED BACK (Unused lead) (For units not equipped w/back-up warning horn)
20	922 164 C1	CABLE, alternator to starter solenoid	44		TAPED BACK (Unused lead)
21	175 353 H3	WIRE, instrument jumper			
22	109 866 H1	WIRE, ignition switch to voltmeter			

ELECTRICAL

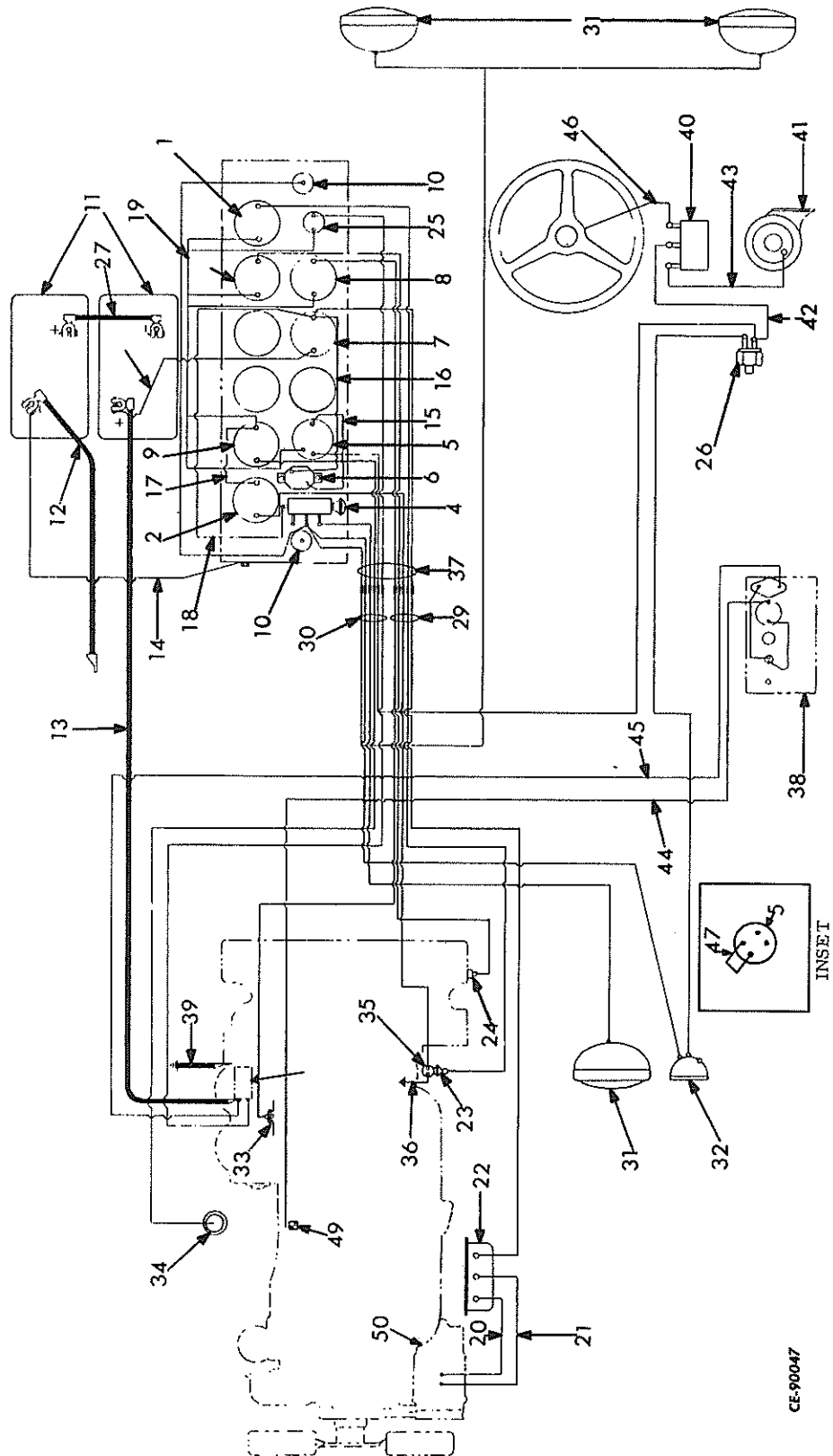
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (G-263) — Continued U004855 and Up C004789 and Up					
45	1 115 202	COIL			
	179 812	BOLT, 5/16"NC x 1-1/2"			
	179 816	BOLT, 5/16"NC x 3/4"			
	103 320	WASHER, 5/16" lock (2)			
	31 987 D	SPACER, resistor			
	615 031 R1	WASHER, 5/16" (2)			
46		ALTERNATOR (Refer to "Alternator")			
47		STARTER/SOLENOID (Refer to PMG-263 Engine Manual)			
	120 217	WASHER, No. 10 lock			
	120 614	NUT, No. 10 NF hex			
48		REGULATOR, voltage (Refer to "Voltage Regulator")			
49	109 193 H1	WIRE, stop light switch to relay			
50	197 423 H1	WIRE, horn relay to horn			
51	1 892 163	HORN			
	197 422 H1	BRACKET, horn			
	181 317	BOLT, 1/4 x 1-1/4"NF (2)			
	103 024	NUT, 1/4"NF hex (2)			
	103 319	WASHER, 1/4" lock (2)			
52	1 116 969	RELAY, horn			
53	101 981 H1	WIRE, jumper			
54	HL-3423	WIRE, horn relay to steering gear			
55	930 587 C1	SWITCH ASSY., master disconnect U005129 and up C005169 and up			
55A	1 134 721 C1	KEY, master disconnect U005129 and up C005169 and up			
56		BATTERY BOX (Refer to "Battery Box and Related Parts")			
57	549 166 C1	HORN, back-up			
	25 751 R1	SCREW, hex-hd cap (4)			
	25 520 R1	NUT (4)			
	25 543 R1	WASHER, flat hardened (8)			
58	938 576 C1	CABLE, horn to ground			
59	938 577 C1	CABLE, neutral safety switch to horn			
	263 717 R91	CLIP, on steering tubes (LH channel)			
	263 717 R91	CLIP, on flow control valve			
	263 717 R91	CLIP, on engine pan			
	263 513 R91	CLIP, on throttle cross shaft bearings (2)			
	263 513 R91	CLIP, on steering column			
	263 513 R91	CLIP, on voltage regulator			

ELECTRICAL

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ELECTRICAL

WIRING (D-236 and Detroit Diesel 3-53)
01201 thru 03556



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (D-236 and Detroit Diesel 3-53) — Continued 01201 thru 03556			16	109 866 H1	WIRE, ammeter to circuit breaker
			17	187 396 H1	WIRE, jumper, hourmeter
1		GAUGE, engine oil pressure (See "Instrument Panel and Related Parts" in this section)	18	109 866 H1	WIRE, ammeter to light switch
2		HOURMETER (See "Instrument Panel and Related Parts" in this section)	19	175 353 H1	WIRE, jumper, instrument
3		GAUGE, torque converter temperature (See "Instrument Panel and Related Parts" in this section)	20	153 972 H1	WIRE, generator to regulator (Field D-236)
4		SWITCH, light (See "Instrument Panel and Related Parts" in this section)	20	189 612 H1	WIRE, generator to regulator (Field D-3-53)
5	126 412 H1	SWITCH, ignition (Push button type) 01201 thru 01552	21	153 972 H1	WIRE, generator to regulator (ARM D-236)
5	125 185 H1	SWITCH, ignition (Lever type) (Order SWITCH, 877 123 C91, plus one JUMPER WIRE, 101 981 H1)	21	189 612 H1	WIRE, generator to regulator (ARM D-3-53)
5	125 186 H1	LEVER ASSEMBLY (Used with SWITCH, 125 185 H1)	22		REGULATOR, voltage (See "Voltage Regulator" in this section)
5	190 345 H1	SWITCH, ignition (Order SWITCH, 877 123 C91 plus one JUMPER WIRE, 101 981 H1)		179 220 H1 179 864	SPACER SCREW, 3/16"NC x 1-3/4"
5	877 123 C91	SWITCH, ignition (See Inset)	23		SENDER, engine oil pressure (See "Instrument Panel and Related Parts" in this section)
6		BREAKER, circuit (See "Instrument Panel and Related Parts" in this section)		113 169 H1	TEE
7		AMMETER (See "Instrument Panel and Related Parts" in this section)	24		SENDER, temperature, torque converter (See "Instrument Panel and Related Parts" in this section)
8		GAUGE, engine temperature (See "Instrument Panel and Related Parts" in this section)	25	453 453 C1	SWITCH, starter
9		GAUGE, fuel (See "Instrument Panel and Related Parts" in this section)	26	112 339 H2 105 422	SWITCH, stoplight ELBOW, stoplight switch
10		LAMP, dash (See "Instrument Panel and Related Parts" in this section)	27	116 949 H1	CABLE, jumper
11		BATTERY (See "Battery and Mounting" in this section)	28	177 235 H1	WIRE, battery to ammeter
12	113 158 H1	CABLE, battery to ground	29	184 667 H1	HARNESS, wiring (D-236)
13	147 650 H1	CABLE, battery to starter solenoid	29	174 510 H3	HARNESS, wiring (3-53)
14	192 357 H1	WIRE, ground, instrument panel	30	174 512 H2	HARNESS, wiring
15	134 319 H1	WIRE, ignition switch to circuit breaker	31		LAMP, front and rear driving (See "Front and Rear Driving Lamp" in this section) (3)
			32		LIGHT, tail and stop (See "Tail Light and Stop Light" in this section)
			33		SENDER, temperature, engine (See "Instrument Panel and Related Parts" in this section)
			34		SENDER, unit fuel tank (See Section 2)

ELECTRICAL

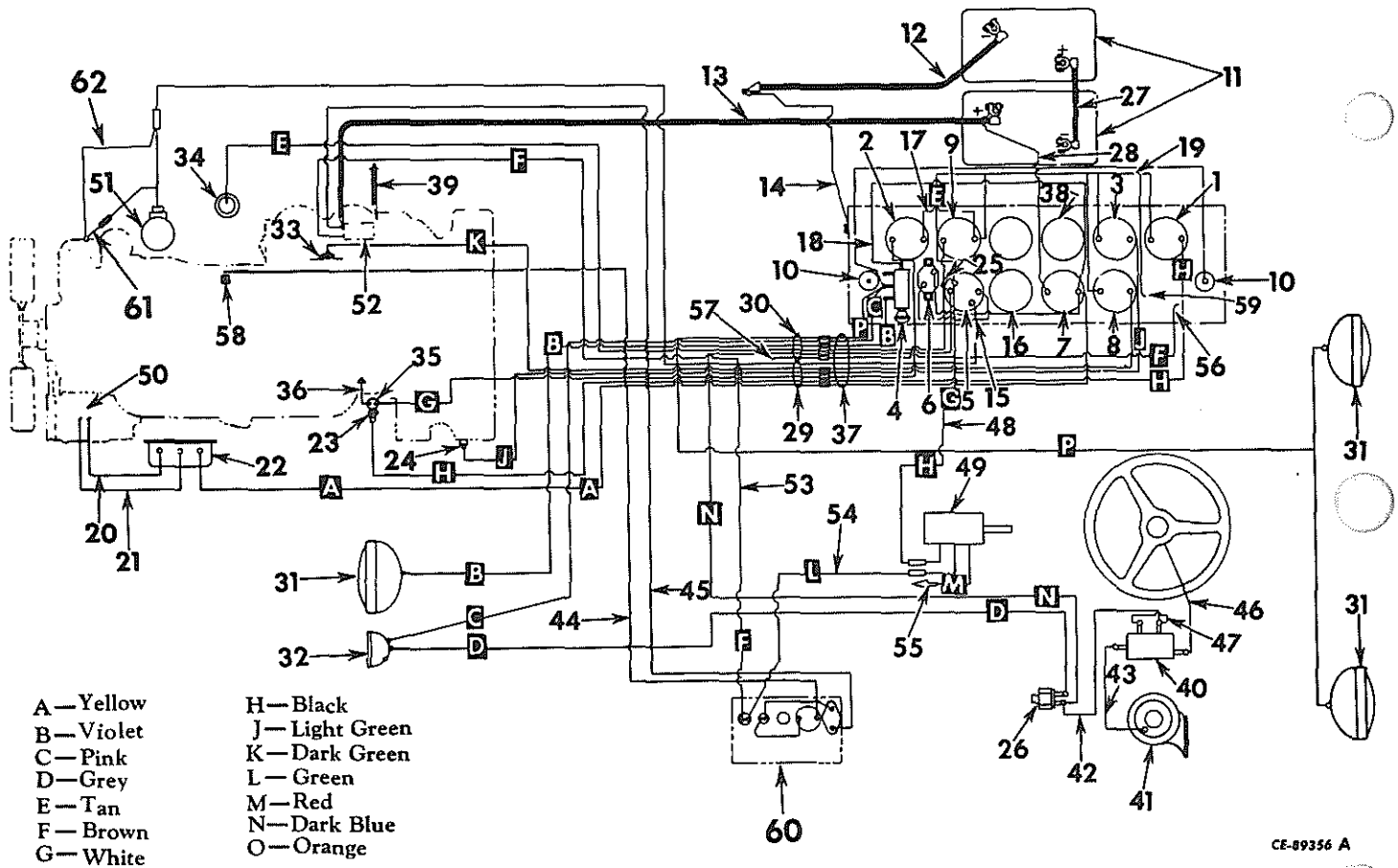
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (D-236 and Detroit Diesel 3-53) — Continued 01201 thru 03556					
35	208 622 H2	SWITCH, pressure, hourmeter			
36	136 395 H1	WIRE, ground, hourmeter pressure switch (D-236)			
36	143 863 H1	WIRE, ground, hourmeter pressure switch (D 3-53)			
37	184 666 H1	LOOM, instrument panel (D-236)			
37	175 047 H4	LOOM, instrument panel (D 3-53)			
38		STARTING UNIT, cold weather (See Engine Section)			
39	110 420 H1	CABLE, starter motor ground			
40	1 116 969 197 420 H1	RELAY, horn NUT			
41	1 892 163 197 422 H1 181 317 103 024 103 319	HORN BRACKET SCREW, 1/4"NF x 1-1/4" (2) NUT, 1/4"NF hex (2) WASHER, 1/4" lock (2)			
42	109 193 H1	WIRE, switch to horn relay			
43	197 423 H1	WIRE, relay to horn			
44	180 854 H1	WIRE, starting unit to glow plug			
45	177 236 H1	WIRE, starting unit to starter solenoid			
46	HL-3423	WIRE, horn relay to steering gear			
47	101 981 H1	WIRE, jumper (See Inset)			
48		SOLENOID (See Engine Manual)			
49		GLOW PLUG (See Engine Manual)			
50		GENERATOR (See Engine Manual)			
	120 614	NUT (T.C. temperature and temperature sender) (3)			
	120 217	WASHER, lock (T.C. temperature and temperature sender) (3)			
	263 717 R91	CLIP (3)			
	263 513 R91	CLIP (4)			

ELECTRICAL

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ELECTRICAL

WIRING (D-236)
U003557 thru U004232 except U004231
C003927 thru C004239



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ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (D-236) — Continued U003557 thru U004232 except U004231 C003927 thru C004239			22		REGULATOR, voltage (See "Voltage Regulator" in this section) SPACER PLATE, regulator mounting BOLT (5) BOLT NUT (5) WASHER, lock (5)
1		GAUGE, engine oil pressure (See "Instrument Panel and Related Parts" in this section)		179 220 H1 164 725 H1 181 314 179 864	
2		HOURLMETER (See "Instrument Panel and Related Parts" in this section)		103 024 103 319	
3		GAUGE, torque converter temperature (See "Instrument Panel and Related Parts" in this section)	23		SENDER, oil pressure (See "Instrument Panel and Related Parts" in this section)
4		SWITCH, light (See "Instrument Panel and Related Parts" in this section)	24		SENDER, temperature T.C. (See "Instrument Panel and Related Parts" in this section) NUT, No. 10-32 hex (2) WASHER, No. 10 lock (2)
5	877 123 C91	SWITCH, ignition		120 614 120 217	
6		BREAKER, circuit (See "Instrument Panel and Related Parts" in this section)	25	101 981 H1	WIRE, jumper ignition switch
7		AMMETER (See "Instrument Panel and Related Parts" in this section)	26	112 339 H2 105 422	SWITCH, stoplight ELBOW, 90° stop light switch
8		GAUGE, engine temperature (See "Instrument Panel and Related Parts" in this section)	27	116 949 H1	CABLE, jumper
9		GAUGE, fuel (See "Instrument Panel and Related Parts" in this section)	28	177 235 H1	WIRE, battery to ammeter
10		LAMP, dash (See "Instrument Panel and Related Parts" in this section) (2)	29	184 667 H1	HARNESS, wiring
11		BATTERY (See "Battery and Mounting" in this section)	30	174 512 H2	HARNESS, wiring
12	113 158 H1	CABLE, battery to ground	31		LIGHT, driving (See "Front and Rear Driving Lamp Assembly" in this section) (3)
13	147 650 H1	CABLE, battery to ground	32		LAMP, combination rear (See "Tail Light and Stop Light" in this section)
14	192 357 H1	WIRE, panel ground	33		SENDER, temperature engine (See "Instrument Panel and Related Parts" in this section)
15	134 319 H1	WIRE, ignition switch to circuit breaker	34		SENDER, fuel tank (See Section 2)
16	109 866 H1	WIRE, ammeter to circuit breaker	35	208 622 H2 113 169 H1	SWITCH, pressure TEE
17	187 396 H1	WIRE, hourmeter jumper (2)	36	136 395 H1	WIRE, hourmeter pressure switch ground
18	109 866 H1	WIRE, ammeter to light switch	37	184 666 H1	HARNESS, wiring
19	175 353 H1	WIRE, instrument jumper	38		GAUGE, transmission clutch pressure (See "Instrument Panel and Related Parts" in this section)
20	153 972 H1	WIRE, generator to regulator (Field)	39	110 420 H1	CABLE, start to ground
21	153 972 H1	WIRE, generator to regulator (Arm)	40	1 116 969 197 420 H2	RELAY, horn NUT

ELECTRICAL

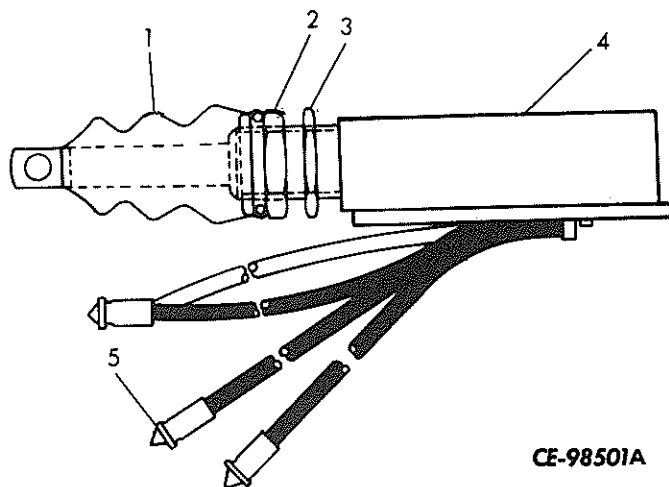
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (D-236) — Continued U003557 thru U004232 except U004231 C003927 thru C004239			59		TAPE BACK (Unused lead)
			60		COLD WEATHER START UNIT (See "Engine and Mounting - D-236" in Section 2)
41	1 892 163	HORN			
	197 422 H1	BRACKET, horn mounting			
	181 317	BOLT, 1/4"NF x 1-1/4" (2)	61	220 832 H1	WIRE, engine shutdown to auxiliary fuel pump
	103 024	NUT, 1/4"NF hex (2)			
	103 319	WASHER, 1/4" lock (2)	62	220 833 H1	WIRE, engine shutdown to ignition
42	109 193 H1	WIRE, stop light switch to horn relay			
43	197 423 H1	WIRE, relay to horn			
44	180 854 H1	WIRE			
45	177 236 H1	WIRE, starting unit to starter solenoid			
46	HL-3423	WIRE, horn relay to steering gear			
47	101 981 H1	WIRE, jumper			
	129 668 H1	CLIP, one on steering tubes (LH) channel (3)			
	136 139 H1	CLIP, two on throttle cross shaft bearing (4)			
	24 841 R1	BOLT, starter wire to ground			
	145 703 H1	WASHER, lock			
	24 841 R1	NUT, starter wire to ground			
	120 622	NUT, wire to starter solenoid			
	121 841	WASHER, No. 8 lock			
	188 840 H1	STUD, starter motor mounting (3)			
	186 524 H1	SPACER			
	103 321	WASHER, 3/8" lock (3)			
	103 026	NUT, 3/8"NF hex (3)			
	147 137 H1	NUT, starter solenoid "R" terminal			
	151 297 H1	NUT, starter solenoid "S" terminal			
	187 631 H1	NUT, starter solenoid battery terminal			
48	879 750 C2	CABLE			
49		SWITCH, neutral safety (See breakdown in this section) 03822 and Up			
50		GENERATOR (See Engine Manual)			
51		FUEL PUMP (See "Fuel Pump" in Section 2)			
52		SOLENOID (See Engine Manual)			
53	202 133 H1	WIRE			
54	878 004 C1	WIRE			
55		TAPE BACK (Unused lead)			
56		TAPE BACK (Unused lead)			
57		TAPE BACK (Unused lead)			
58		GLOW PLUG			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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NEUTRAL SAFETY SWITCH



CE-98501A

877 336 C93 SWITCH, neutral safety
(Consists of the following parts -

- | | | |
|---|------------|-----------------------------------|
| 1 | 895 534 C1 | BOOT |
| 2 | 895 535 C1 | NUT |
| 3 | 219 951 R1 | NUT |
| 4 | | SWITCH (Not furnished separately) |
| 5 | 46 894 H | TIP, terminal (3) |

WIRING (D-236)
U004231, 4233 thru 4854
C004240 thru 4788



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (D-236) — Continued U004231, 4233 thru 4854 C004240 thru 4788			22		REGULATOR, voltage (See "Voltage Regulator" in this section)
				885 157 C2	PLATE, regulator mounting (3/16" thick)
				26 030 R1	NUT (2)
				25 532 R1	WASHER (2)
				890 669 C1	PLATE (1/8" thick)
				26 561 R1	BOLT, 1/4"NF x 1-1/2"
				25 961 R1	BOLT, 5/16"NF x 1-1/2"
				25 533 R1	WASHER, 5/16"
1		GAUGE, engine oil pressure (See "Instrument Panel and Related Parts" in this section)	23		SENDER, oil pressure (See "Instrument Panel and Related Parts" in this section)
2		HOURLMETER (See "Instrument Panel and Related Parts" in this section)	24		SENDER, temperature T.C. (See "Instrument Panel and Related Parts" in this section)
3		GAUGE, torque converter temperature (See "Instrument Panel and Related Parts" in this section)	25	101 981 H1	WIRE, jumper ignition switch
4		SWITCH, light (See "Instrument Panel and Related Parts" in this section)	26	112 339 H2 105 422	SWITCH, stoplight ELBOW, 90° stop light switch
5	877 123 C91	SWITCH, ignition	27	116 949 H1	CABLE, jumper
6		BREAKER, circuit (See "Instrument Panel and Related Parts" in this section)	28	177 235 H1	WIRE, battery to ammeter
7		AMMETER (See "Instrument Panel and Related Parts" in this section)	29	885 262 C2	HARNESS, wiring
8		GAUGE, engine temperature (See "Instrument Panel and Related Parts" in this section)	30	174 512 H2	HARNESS, wiring
9		GAUGE, fuel (See "Instrument Panel and Related Parts" in this section)	31		LIGHT, driving (See "Front and Rear Driving Lamp Assembly" in this section) (3)
10		LAMP, dash (See "Instrument Panel and Related Parts" in this section) (2)	32		LAMP, combination rear (See "Tail Light and Stop Light" in this section)
11		BATTERY (See "Battery and Mounting" in this section)	33		SENDER, temperature engine (See "Instrument Panel and Related Parts" in this section)
12	113 158 H1	CABLE, battery to ground	34		SENDER, fuel tank (See Section 2)
13	147 650 H1	CABLE, battery to ground	35	208 622 H2 113 169 H1	SWITCH, pressure TEE
14	192 357 H1	WIRE, panel ground	36	136 395 H1	WIRE, hourmeter pressure switch ground
15	134 319 H1	WIRE, ignition switch to circuit breaker	37	184 666 H1	HARNESS, wiring
16	109 866 H1	WIRE, ammeter to circuit breaker	38		COLD WEATHER START UNIT (See Engine D-236 in Section 2)
17	187 396 H1	WIRE, hourmeter to jumper (2)	39	110 420 H1	CABLE, start to ground
18	109 866 H1	WIRE, ammeter to light switch	40	1 116 969 197 420 H2	RELAY, horn NUT
19	175 353 H1	WIRE, instrument jumper	41	1 892 163 197 422 H1 181 317 103 024 103 319	HORN BRACKET BOLT, 1/4"NF x 1-1/4" (2) NUT, 1/4"NF hex (2) WASHER, 1/4" lock (2)
20	885 623 C1	HARNESS, alternator to regulator	42	109 193 H1	WIRE, stop light switch to horn relay
21	101 984 H1	WIRE, alternator ground			

ELECTRICAL

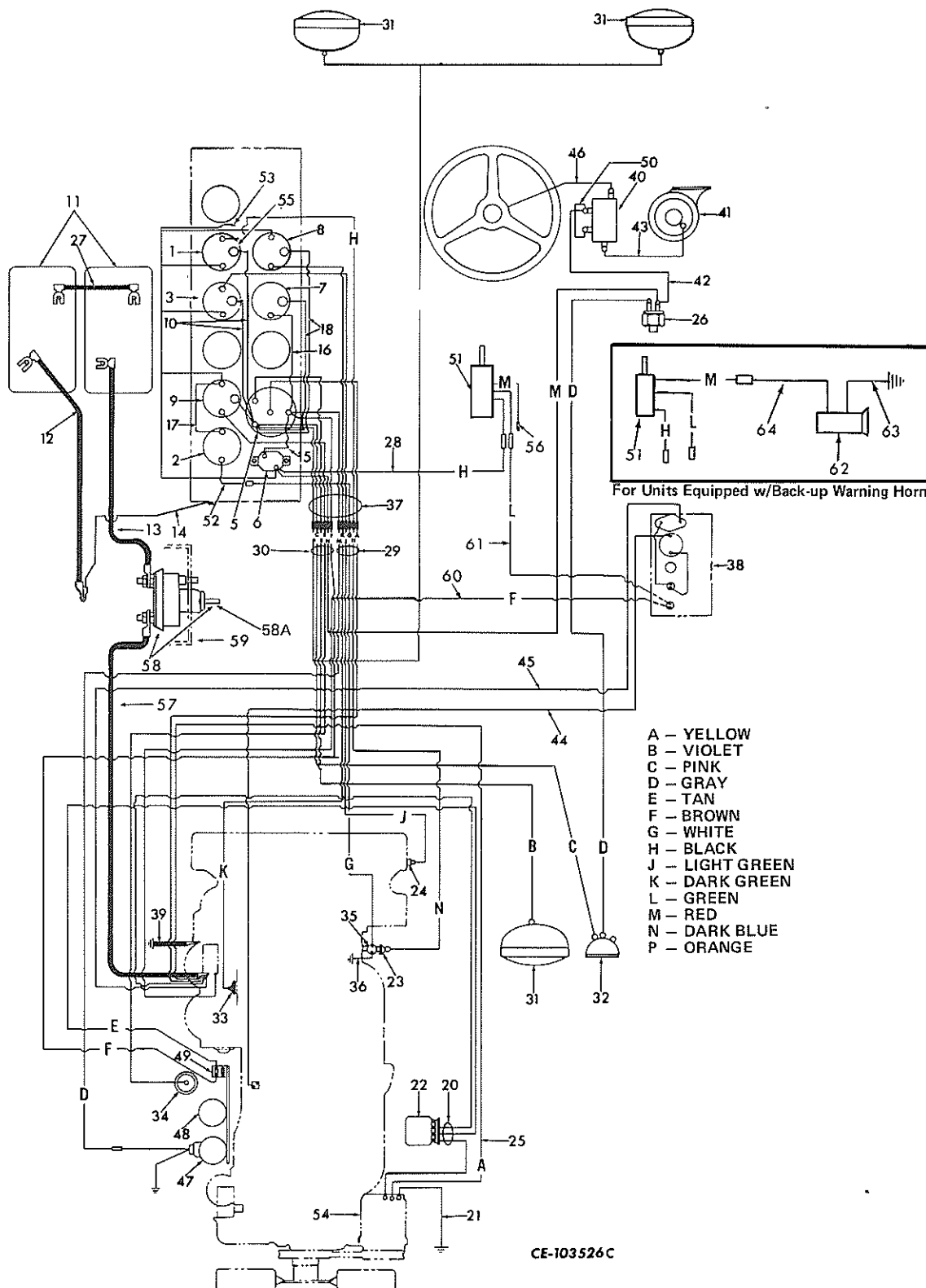
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (D-236) — Continued U004231, 4233 thru 4854 C004240 thru 4788					
43	197 423 H1	WIRE, relay to horn			
44	180 854 H1	WIRE			
45	177 236 H1	WIRE, starting unit to starter solenoid			
46	HL-3423	WIRE, horn relay to steering gear			
47		PUMP, fuel (See "Auxiliary Fuel Pump" in Section 2)			
48		WATER TRAP (See "Fuel Tank and Lines - D-236" in Section 2)			
49	198 700 H1	STRIP, terminal			
	100 768	SCREW, No. 10-32 x 1" mach. (4)			
	106 497	WASHER, No. 10 lock (4)			
	103 088	NUT, No. 10-32 (4)			
50	101 981 H1	WIRE, jumper			
51		SWITCH, neutral safety (See breakdown in this section)			
52	879 750 C2	CABLE			
53		TAPE BACK (Unused lead)			
54		TAPE BACK (Unused lead)			
55		ALTERNATOR (See Engine Manual)			

ELECTRICAL

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ELECTRICAL

WIRING (D-236)
U004855 and Up
C004789 and Up



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (D-236) — Continued U004855 and Up C004789 and Up			22		REGULATOR, voltage (Refer to "Voltage Regulator")
				885 157 C2	PLATE, regulator mounting (3/16" thick)
1		GAUGE, engine oil pressure (Refer to "Instrument Panel and Related Parts" in this section)		26 030 R1	NUT (2)
				25 532 R1	WASHER (2)
2		HOURLMETER (Refer to "Instrument Panel and Related Parts" in this section)		890 669 C1	PLATE (1/8" thick)
				26 561 R1	BOLT, 1/4"NF x 1-1/2"
				25 961 R1	BOLT, 5/16"NF x 1-1/2"
				25 533 R1	WASHER, 5/16
3		GAUGE, torque converter temperature (Refer to "Instrument Panel and Related Parts" in this section)	23		SENDER, oil pressure (Refer to "Instrument Panel and Related Parts" in this section)
5	217 044 H1	SWITCH, ignition	24		SENDER, temperature T.C. (Refer to "Instrument Panel and Related Parts" in this section)
6		BREAKER, circuit (Refer to "Instrument Panel and Related Parts" in this section)	25	922 165 C1	WIRE, alternator to starter solenoid
7		VOLTMETER (Refer to "Instrument Panel and Related Parts" in this section)	26	112 339 H2 105 422	SWITCH, stoplight ELBOW, 90° stoplight switch
8		GAUGE, engine temperature (Refer to "Instrument Panel and Related Parts" in this section)	27	116 949 H1	CABLE, jumper battery
9		GAUGE, fuel (Refer to "Instrument Panel and Related Parts" in this section)	28	879 750 C2	CABLE
10	922 162 C1	CABLE, switch to gauge lights	29	922 168 C1	HARNESS, wiring
11		BATTERY (Refer to "Battery and Mounting")	30	174 512 H2	HARNESS, wiring
12	113 158 H1	CABLE, battery to ground	31		LIGHT, driving (Refer to "Front and Rear Driving Lamp Assembly")
13	147 650 H1	CABLE, battery to starter solenoid U005128 and below C00* and below	32		LAMP, combination rear (Refer to "Light and Stop Light")
13	117 536 H1	CABLE, battery to disconnect switch U005129 and up C00* and up	33		SENDER, temperature engine (Refer to "Instrument Panel and Related Parts" in this section)
14	192 357 H1	WIRE, panel ground	34		SENDER, fuel tank (Refer to "Fuel Tank and Related Parts")
15	134 319 H1	WIRE, ignition switch to circuit breaker	35	208 622 H2 113 169 H1	SWITCH, pressure TEE
16	109 866 H1	WIRE, ammeter to circuit breaker	36	136 395 H1	WIRE, pressure switch ground
17	187 396 H1	WIRE, hourmeter to jumper (2)	37	175 047 H4	HARNESS, wiring
18	922 163 C1	CABLE, switch to gauge lights	38		COLD WEATHER START UNIT (Refer to "Engine and Mounting")
19	175 353 H3	WIRE, instrument jumper	39	110 420 H1	CABLE, start to ground
20	885 623 C1	HARNESS, alternator to regulator	40	1 116 969 197 420 H2	RELAY, horn NUT
21	101 984 H1	WIRE, alternator ground	41	1 892 163 197 422 H1 181 317 103 024 103 319	HORN BRACKET BOLT, 1/4"NF x 1-1/4" (2) NUT, 1/4"NF hex (2) WASHER, 1/4" lock (2)
			42	109 193 H1	WIRE, stop light switch to horn relay

(*) - Serial Number Not Yet Available.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (D-236) — Continued U004855 and Up C004789 and Up			62	549 166 C1 25 751 R1 25 520 R1 25 543 R1	HORN, back-up SCREW, hex-hd cap (4) NUT (4) WASHER, flat hardened (8)
43	197 423 H1	WIRE, relay to horn	63	938 576 C1	CABLE, horn to ground
44	180 854 H1	WIRE	64	938 577 C1	CABLE, neutral safety switch to horn
45	177 236 H1	WIRE, starting unit to starter solenoid			
46	HL-3423	WIRE, horn relay to steering gear			
47		PUMP, fuel (Refer to "Fuel Tank and Related Parts")			
48		WATER TRAP (Refer to PMD-236 Engine Manual)			
49	198 700 H1 100 768 106 497 103 088	STRIP, terminal SCREW, No. 10-32 x 1" mach (4) WASHER, No. 10 lock (4) NUT, No. 10-32 (4)			
50	101 981 H1	WIRE, jumper			
51		SWITCH, neutral safety (Refer to "Neutral Safety Switch")			
52	884 848 C1	WIRE, harness to hourmeter			
53		TAPE BACK (Unused lead) (For units not equipped w/back-up warning horn)			
54		ALTERNATOR (Refer to PMD-236)			
55	131 282	BULB (Trade No. 53) (5)			
56		TAPE BACK (Unused lead)			
57	111 821 H1	CABLE, disconnect switch to starter solenoid U005129 and up C00* and up			
58	930 587 C1	SWITCH ASSY., master disconnect U005129 and up C00* and up			
58A	1 134 721 C1	KEY, master disconnect U005129 and up C00* and up			
59		BATTERY BOX (Refer to "Battery Box and Related Parts")			
60	878 004 C1	WIRE			
61	202 133 H1	WIRE			

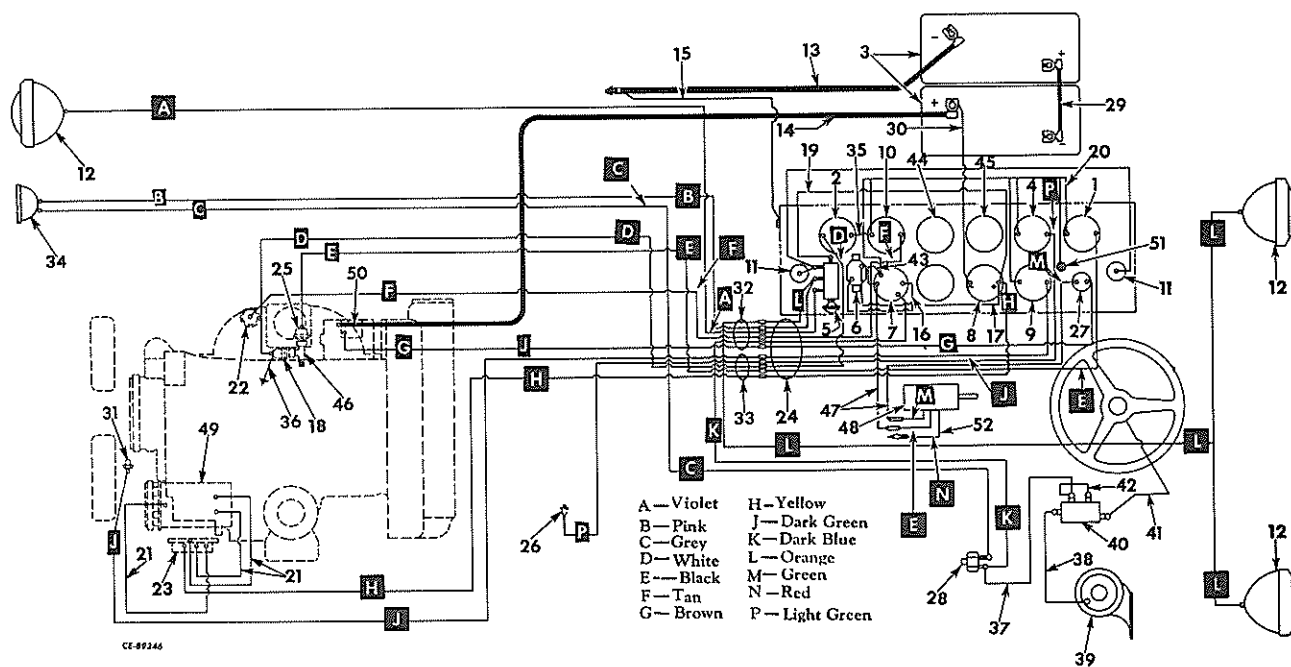
(*) - Serial Number Not Yet Available.

ELECTRICAL

MEMORANDA

ELECTRICAL

WIRING
(Detroit Diesel)
03557 thru 04265



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING — Continued (Detroit Diesel) 03557 thru 04265			23		REGULATOR, voltage (See "Voltage Regulator" in this section)
1		GAUGE, engine oil pressure (See "Instrument Panel and Related Parts" in this section)		187 614 H1 179 837 103 321 181 318 103 319 103 024	BRACKET, regulator mounting BOLT, 3/8"NC x 3/4" (2) WASHER, 3/8" lock (2) BOLT, 1/4"NF x 1-3/8" (4) WASHER, 1/4" lock (4) NUT, 1/4"NF hex
2		HOURLMETER (See "Instrument Panel and Related Parts" in this section)	24	175 047 H2	HARNESS, instrument 03557 thru 03871
3		BATTERY (See "Battery and Mounting" in this section)	24	175 047 H4	HARNESS, instrument 03872 and Up
4		GAUGE, torque converter temperature (See "Instrument Panel and Related Parts" in this section)	25		SENDER, oil pressure (See "Instrument Panel and Related Parts" in this section)
5		SWITCH, light (See "Instrument Panel and Related Parts" in this section)	26		SENDER, T.C. temperature (See "Instrument Panel and Related Parts" in this section)
6		BREAKER, circuit (See "Instrument Panel and Related Parts" in this section)	27	453 453 C1	PUSH BUTTON, starter
7	877 123 C91	SWITCH, ignition	28	112 339 H2 105 422	SWITCH, stoplight ELBOW, 90° stoplight switch
8		AMMETER (See "Instrument Panel and Related Parts" in this section)	29	116 949 H1	CABLE, battery jumper
9		GAUGE, engine temperature (See "Instrument Panel and Related Parts" in this section)	30	177 235 H1	WIRE, battery to ammeter
10		GAUGE, fuel (See "Instrument Panel and Related Parts" in this section)	31		SENDER, engine temperature (See "Instrument Panel and Related Parts" in this section)
11		LAMP, dash (See "Instrument Panel and Related Parts" in this section)		120 614 120 217	NUT, sender (2) WASHER, lock sender (2)
12		LIGHT, driving (See "Front and Rear Driving Lamp Assembly" in this section) (3)	32	174 512 H2	HARNESS, wiring
13	113 158 H1	CABLE, battery jumper	33	174 510 H3	HARNESS, wiring
14	147 650 H1	CABLE, battery to ground	34		LAMP, combination rear (See "Tail Light and Stop Light" in this section)
15	192 357 H1	WIRE, panel ground	35	187 396 H1	WIRE, hourmeter jumper (2)
16	134 319 H1	WIRE, ignition switch to circuit	36	143 863 H1	WIRE, hourmeter pressure switch ground
17	109 866 H1	WIRE, ammeter to light switch	37	109 193 H1	WIRE, stop light switch to horn relay
18	208 622 H2	SWITCH, pressure	38	197 423 H1	WIRE, relay to horn
19	109 866 H1	WIRE, ammeter to circuit breaker	39	1 892 163 197 422 H1 181 317 103 024 103 319	HORN BRACKET, horn BOLT, 1/4"NF x 1-1/4" (2) NUT, 1/4"NF hex (2) WASHER, 1/4" lock (2)
20	175 353 H1	WIRE, instrument jumper	40	1 116 969 197 420 H2	RELAY, horn NUT
21	189 612 H1	WIRE, voltage regulator to generator (3)			
22		SENDER, fuel tank (See Section 2)			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING — Continued (Detroit Diesel) 03557 thru 04265					
41	HL-3423	WIRE, horn relay to steering gear			
42	101 981 H1	WIRE, jumper			
43	101 981 H1	WIRE, jumper ignition switch			
44		GAUGE, hydraulic oil pressure (See "Instrument Panel and Related Parts" in this section)			
45		GAUGE, transmission clutch pressure (See "Instrument Panel and Related Parts" in this section)			
46	113 169 H1	TEE			
47	879 750 C1	CABLE			
48		SWITCH, neutral safety (See breakdown in this section) 03822 and up			
49		GENERATOR (See Engine Manual)			
50		MOTOR, cranking (See Engine Manual)			
51		TAPE BACK (Unused lead)			
52		TAPE BACK (Unused lead)			
	188 840 H1	STUD, starter motor mounting (3)			
	186 524 H1	SPACER			
	103 321	WASHER, 3/8" lock (3)			
	103 026	NUT, 3/8" NF hex (3)			
	147 137 H1	NUT, starter solenoid "R" terminal			
	151 297 H1	NUT, starter solenoid "S" terminal			
	187 631 H1	NUT, starter battery terminal			
	129 668 H1	CLIP, (1) on steering tubes (3)			
	136 139 H1	CLIP, (2) on throttle cross shaft (4)			
	193 848 H1	WIRE, instrument panel 03557 thru 03871			
	884 848 C1	WIRE, instrument panel 03872 and up			
	120 614	NUT, wire to starter			
	120 217	WASHER, lock			
	24 841 R1	BOLT, starter wire to ground			
	178 551	WASHER, lock			
	25 522 R1	NUT, starter wire to ground			
	120 622	NUT, wire to starter solenoid			
	121 841	WASHER, lock			

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MEMORANDA



ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING — Continued (Detroit Diesel) 04266 and up			23		SENDER, oil pressure (See "Instrument Panel and Related Parts" in this section)
1		GAUGE, engine oil pressure (See "Instrument Panel and Related Parts" in this section)	24		SENDER, T.C. temperature (See "Instrument Panel and Related Parts" in this section)
2		HOURLMETER (See "Instrument Panel and Related Parts" in this section)	25	453 453 C1	PUSH BUTTON, starter
3		BATTERY (See "Battery and Mounting" in this section)	26	112 339 H2 103 486 H1	SWITCH, stoplight ELBOW, 90° stoplight switch
4		GAUGE, torque converter temperature (See "Instrument Panel and Related Parts" in this section)	27	116 949 H1	CABLE, battery jumper
5		SWITCH, light (See "Instrument Panel and Related Parts" in this section)	28	177 235 H1	WIRE, battery to ammeter
6		BREAKER, circuit (See "Instrument Panel and Related Parts" in this section)	29		SENDER, engine temperature (See "Instrument Panel and Related Parts" in this section) NUT, sender (2) WASHER, lock sender (2)
7	877 123 C91	SWITCH, ignition	30	174 512 H2	HARNESS, wiring
8		AMMETER (See "Instrument Panel and Related Parts" in this section)	31	885 263 C2	HARNESS, wiring
9		GAUGE, engine temperature (See "Instrument Panel and Related Parts" in this section)	32		LAMP, combination rear (See "Tail Light and Stop Light" in this section)
10		GAUGE, fuel (See "Instrument Panel and Related Parts" in this section)	33	887 523 C2	HARNESS, wiring assembly
11		LAMP, dash (See "Instrument Panel and Related Parts" in this section)	34	113 169 H1	TEE
12		LIGHT, driving (See "Front and Rear Driving Lamp Assembly" in this section) (3)	35	143 863 H1	WIRE, pressure switch to ground
13	113 158 H1	CABLE, battery jumper	36	187 396 H1	WIRE, hourmeter jumper
14	147 650 H1	CABLE, battery to ground	37	109 193 H1	WIRE, stop light switch to horn relay
15	192 357 H1	WIRE, panel ground	38	197 423 H1	WIRE, relay to horn
16	134 319 H1	WIRE, ignition switch to circuit	39	1 892 163 197 422 H1 181 317 103 024 103 319	HORN BRACKET, horn BOLT, 1/4"NF x 1-1/4" (2) NUT, 1/4"NF hex (2) WASHER, 1/4" lock (2)
17	109 866 H1	WIRE, ammeter to light switch	40	1 116 969 197 420 H2	RELAY, horn NUT
18	208 622 H2	SWITCH, pressure	41	HL-3423	WIRE, horn relay to steering gear
19	109 866 H1	WIRE, ammeter to circuit breaker	42	101 981 H1	WIRE, jumper
20	175 353 H1	WIRE, instrument jumper	43	101 981 H1	WIRE, jumper ignition switch
21		SENDER, fuel (See "Fuel Tank and Lines - Detroit Diesel" in Section 2)	44		SWITCH, neutral safety (See breakdown in this section)
22	175 047 H4	LOOM, instrument panel	45	879 750 C2	CABLE (2)
			46	101 984 H1	WIRE, alternator to ground

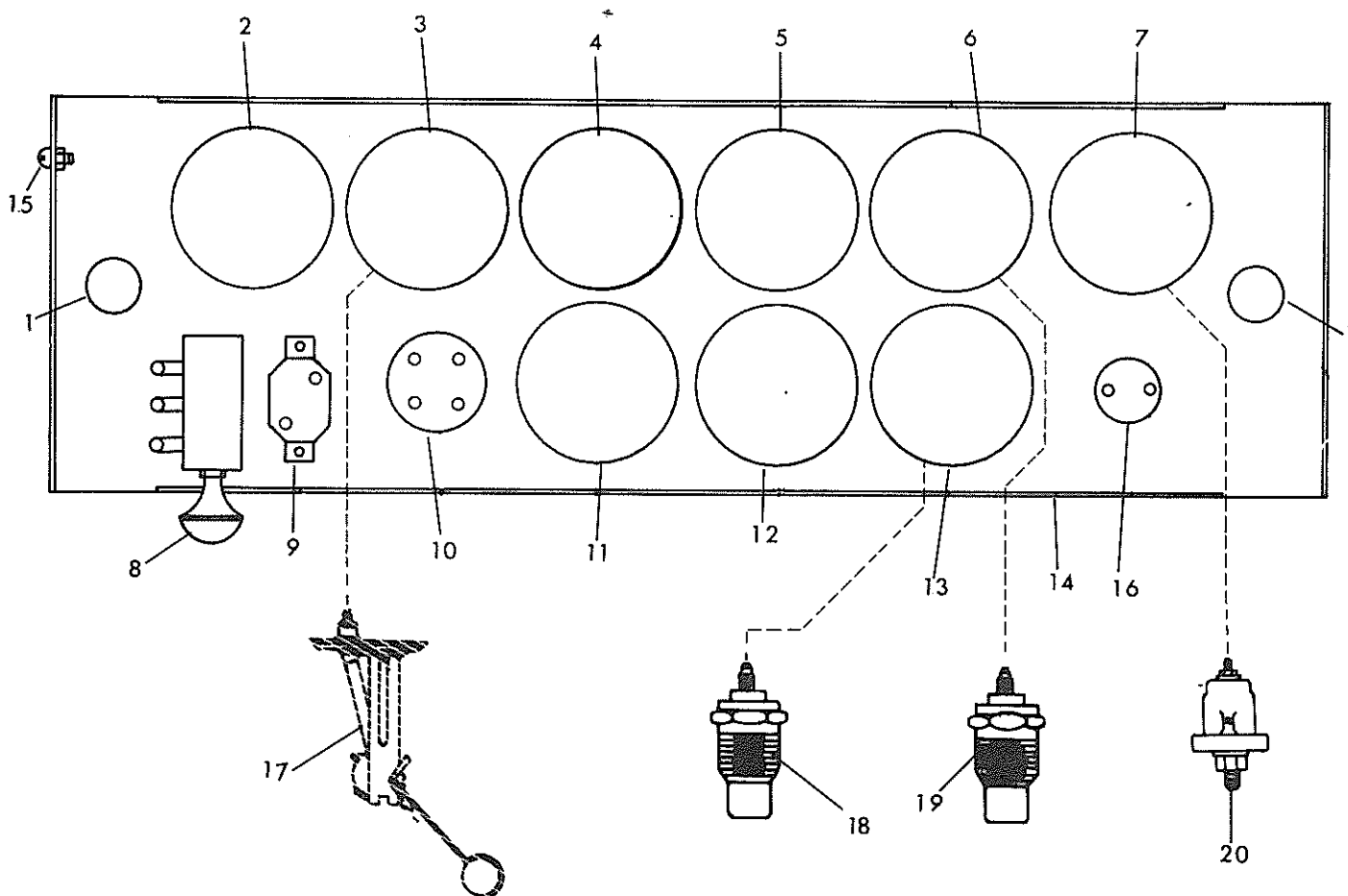
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING — Continued (Detroit Diesel) 04266 and Up					
47		REGULATOR, voltage (See Engine Manual)			
	187 614 H1	BRACKET, regulator mounting			
	179 837	BOLT, 3/8"NC x 3/4" (2)			
	103 321	WASHER, 3/8" lock (2)			
	181 318	BOLT, 1/4"NF x 1-3/8" (4)			
	103 319	WASHER, 1/4" lock (4)			
	103 024	NUT, 1/4"NF hex			
48		ALTERNATOR (See Engine Manual)			
49		STARTER/SOLENOID (See Engine Manual)			
50		LEAD, unused (Tape Back)			
51		LEAD, unused (Tape Back)			
	129 668 H1	CLIP, on steering tubes (LH channel)			
	129 668 H1	CLIP, on flow control valve			
	129 668 H1	CLIP, on flywheel housing			
	136 139 H1	CLIP, on throttle cross shaft bearings (2)			
	136 139 H1	CLIP, on steering column			
	136 139 H1	CLIP, on engine oil pan			

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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INSTRUMENT PANEL AND RELATED PARTS



CE-94430 A

1	146 586 H1 142 452	LAMP, dash w/BULB, 142 452 (2) BULB (Trade No. 89) U004854 and below C004788 and below	6	187 314 H1	GAUGE, torque converter temper- ature (Order GAUGE PACKAGE, 885 309 C1)
2	921 750 C91	HOURLMETER	6	885 309 C1	PACKAGE, torque converter temperature gauge (Consists of - § 1 GAUGE 2 NUT 134 530 2 LOCK- WASHER 131 044 2 NUT 120 614 2 LOCK- WASHER 120 217)
3	187 315 H2	GAUGE, fuel (Order GAUGE PACKAGE, 885 308 C1 and SENDER, 891 418 C1)	7	187 312 H1	GAUGE, engine oil pressure (Order GAUGE PACKAGE, 885 311 C1, SENDER, 884 564 C2 and CABLE, 885 241 C1)
3	885 308 C1	PACKAGE, fuel gauge (Consists of - § 1 GAUGE 2 NUTS 134 530 2 LOCKWASH- ERS 131 044 2 NUTS 120 614 2 LOCKWASH- ERS 120 217)			
4	205 495 H1	GAUGE, hydraulic pressure (If equipped)			
5	188 328 H1	GAUGE, transmission clutch pressure (If equipped)			

§ - Not Furnished Separately.

ELECTRICAL

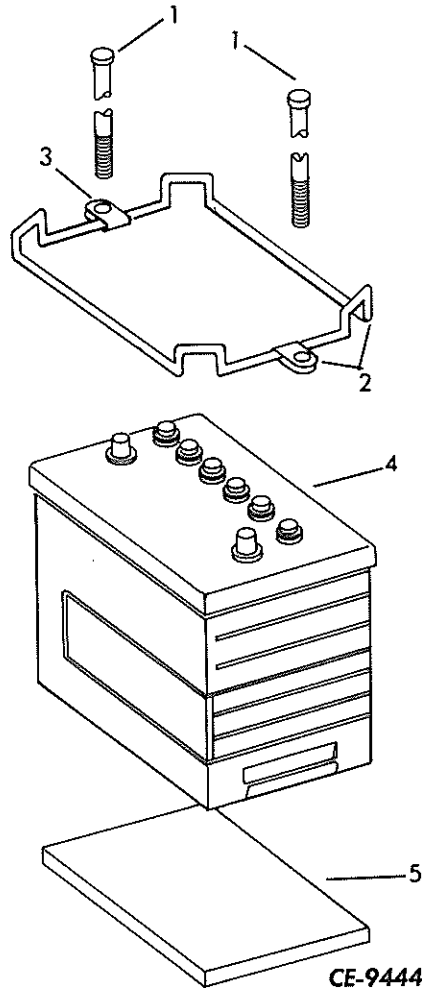
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
INSTRUMENT PANEL AND RELATED PARTS — Continued			14	174 898 H1	PANEL, instrument 02125 and below
7	885 311 C2	PACKAGE, engine oil pressure gauge (Consists of - § 1 GAUGE 2 NUT 134 530 2 LOCK- WASHERS 131 044 2 NUT 120 614 2 LOCK- WASHERS 120 217)	14	188 810 H1	PANEL, instrument U002126 thru 04854 C003927 thru 04788
8	107 749 H1	SWITCH, light U004854 and below C004788 and below	14	922 166 C1	PANEL, instrument U004855 and up C004789 and up
9	128 359 H1 27 648 R1 132 776 121 841 120 622	BREAKER, circuit SCREW, terminal (2) SCREW, breaker mounting (2) WASHER, No. 8 lock (2) NUT, No. 8-32 hex (2)	190 959 19 776 R1		SCREW, machine (4) NUT, 1/4"NF Esna (4)
10		SWITCH, ignition (See "Wiring" in this section)	15	132 908 120 217 120 614	SCREW, instrument panel ground WASHER, No. 10 lock NUT, No. 10-32 Hex
11	432 580	PLUG, button	16	453 453 C1	SWITCH, push button starter
12	885 307 C1	PACKAGE, ammeter (Units with Generator) (Consists of - § 1 GAUGE 4 NUT 120 614 2 LOCKWASHER 120 217)	17		SENDER, fuel level (See Section 2)
12	1 109 614 C1	AMMETER (Units with Alternator) (Replaces 885 806 C1) U004854 and below C004788 and below	18	144 200 H2	SENDER, engine temperature
12	886 729 C1	PACKAGE, voltmeter (Units with Alternator) U004855 and up C004789 and up (Consists of - § 1 GAUGE 2 NUT 120 614 1 NUT 134 530 2 WASHER 120 217 1 WASHER 131 044)	19	144 200 H2	SENDER, T.C. temperature
13	187 313 H1	GAUGE, engine temperature (Order GAUGE PACKAGE, 885 310 C1)	20	142 403 H1	SENDER, engine oil pressure (Use w/GAUGE, 187 312 H1)
13	885 310 C1	PACKAGE, engine temperature gauge (Consists of - § 1 GAUGE 2 NUT 134 530 2 LOCK- WASHER 131 044 2 NUT 120 614 2 LOCK- WASHER 120 217)	20	884 564 C2	SENDER, engine oil pressure (Use w/GAUGE PACKAGE, 885 311 C1)
			127 514 H1		GROMMET (Neoprene) (4)
			432 580		PLUG, button (Used on units not equipped with Hydraulic Oil Pressure and Transmission Clutch Pressure Gauges) (2)
			134 530		NUT, No. 6-32 hex (Instrument mounting) (8)
			131 044		WASHER, No. 6 lock (Instrument mounting) (8)
			120 614		NUT, No. 10-32 hex (Instrument mounting) (8)
			120 217		WASHER, No. 10 lock (Instrument mounting) (8)

§ - Not Furnished Separately.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
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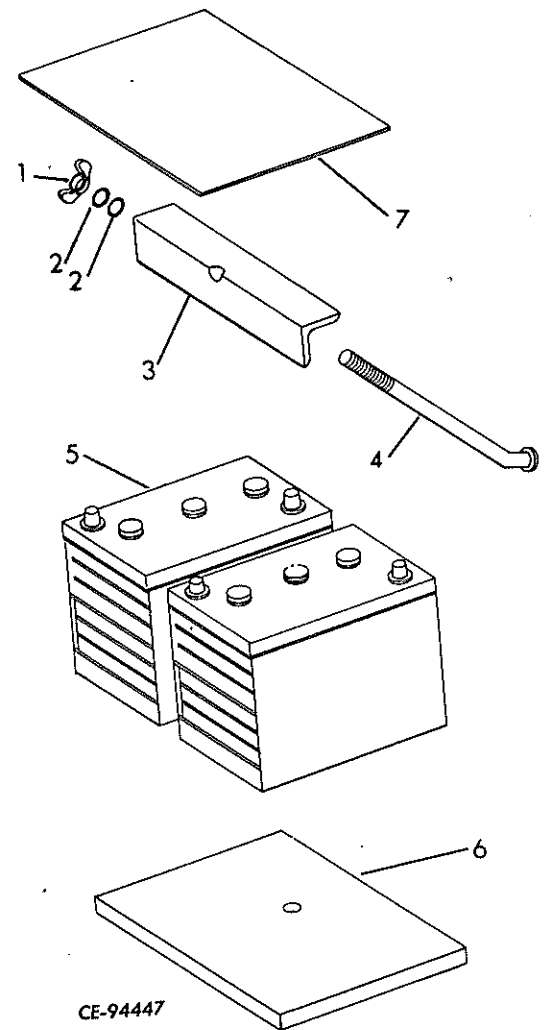
BATTERY AND MOUNTING (Gas)



- | | | |
|---|------------|---|
| 1 | 159 837 H1 | BOLT (2) |
| 2 | 158 161 H1 | HOLD DOWN w/two CLIP, 184 768 H1, battery |
| 3 | 184 768 H1 | CLIP, battery hold down (2) |
| 4 | | BATTERY (Prestolite No. 2495X) (12-Volt) (Replaces 2429X) |
| 4 | | BATTERY (Prestolite No. 2432X) (12-Volt) (Optional Canada only) |
| 5 | 161 060 H1 | BOTTOM, false |
| | 158 162 H1 | COVER (Masonite 11-1/2" x 14") |

REF. NO.	PART NUMBER	DESCRIPTION
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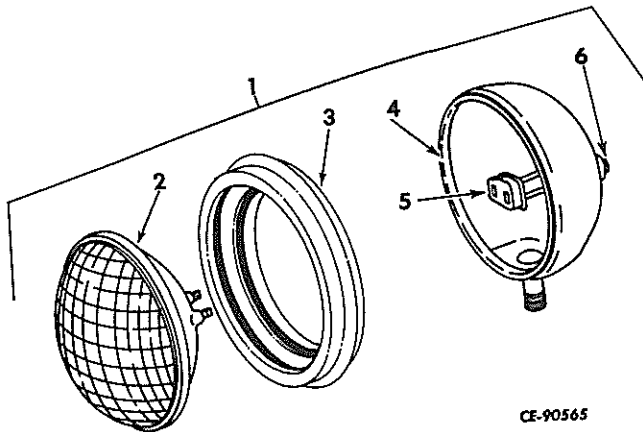
BATTERY AND MOUNTING (Diesel)



- | | | |
|---|------------|---|
| 1 | 140 741 | NUT, 1/4" NC wing |
| 2 | 25 532 R1 | WASHER, 1/4" flat (2) |
| 3 | 171 827 H1 | RETAINER, battery |
| 4 | 167 548 H1 | BOLT, battery retainer |
| 5 | | BATTERY, 12-volt (Prestolite Type 4-A9Y-C.W.) (1417X) (2) |
| 5 | | BATTERY, 12-volt (Prestolite Type 4-A8Y) (1408X) (Optional Canada only) |
| 6 | 180 801 H1 | BOTTOM, false |
| 7 | 158 162 H1 | COVER |

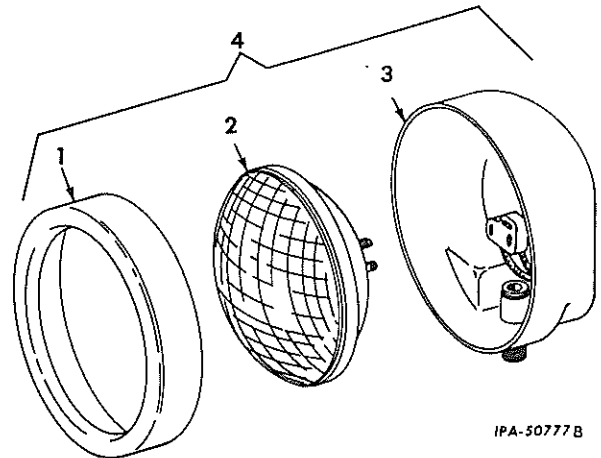
ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
FRONT AND REAR DRIVING LAMP ASSEMBLY AND LOW LEVEL LIGHTING LAMP ASSEMBLY (Guide Lamp)		



1	338 826 R91	LAMP ASSEMBLY (Guide Lamp No. 899 600) (2)
2	272 061 R91	SEALED UNIT (G.E. Trade No. 4478)
3	338 896 R1	RING, mounting
4		BODY (Not furnished separately)
5		CONNECTOR and WIRING ASSEMBLY (Not furnished separately)
6		TERMINAL (Not furnished separately)

REF. NO.	PART NUMBER	DESCRIPTION
FRONT AND REAR DRIVING LAMP ASSEMBLY AND LOW LEVEL LIGHTING LAMP ASSEMBLY (Hobbs Corp.)		

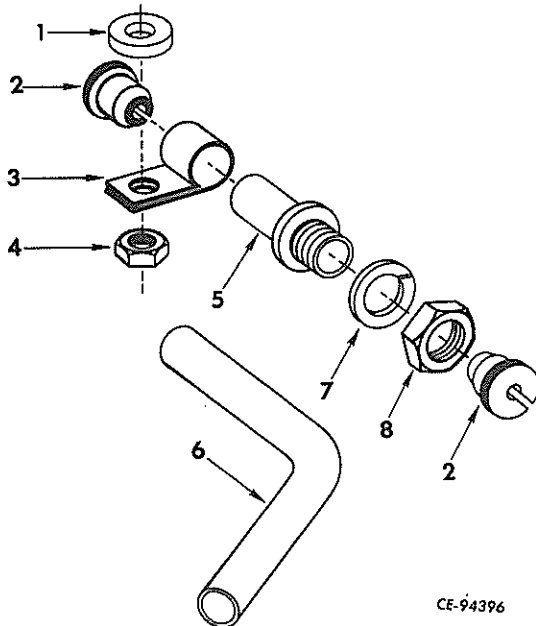


1	313 957 R91	RETAINER
2	272 061 R91	SEALED UNIT (G.E. Trade No. 4478)
3		BODY (Not furnished separately)
4	176 751 H1	LAMP ASSEMBLY (Hobbs Corp. No. MI-2506) (Order LAMP ASSEMBLY, 338 826 R91) (2)

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
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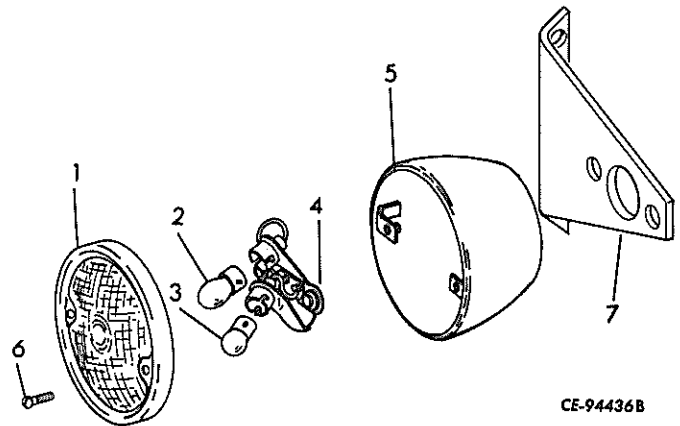
DRIVING LAMP MOUNTING (Front and Rear)



1	176 749 H1	WASHER (6)
2	882 790 C1	PLUG, rubber (6)
3	176 750 H1	CLAMP (3)
4	18 452 R1	NUT, 1/2"-20 Esna (3)
5	177 360 H1	SUPPORT, rear light
6	180 635 H1 173 443 H1	SUPPORT, front light (2) SETSCREW (4)
7	131 035	WASHER, 1-1/4" lock (Rear Lamp only)
8	219 778	NUT, 1-1/4"NF jam (Rear Lamp only)

REF. NO.	PART NUMBER	DESCRIPTION
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TAIL LIGHT AND STOP LIGHT (Guide Lamp)



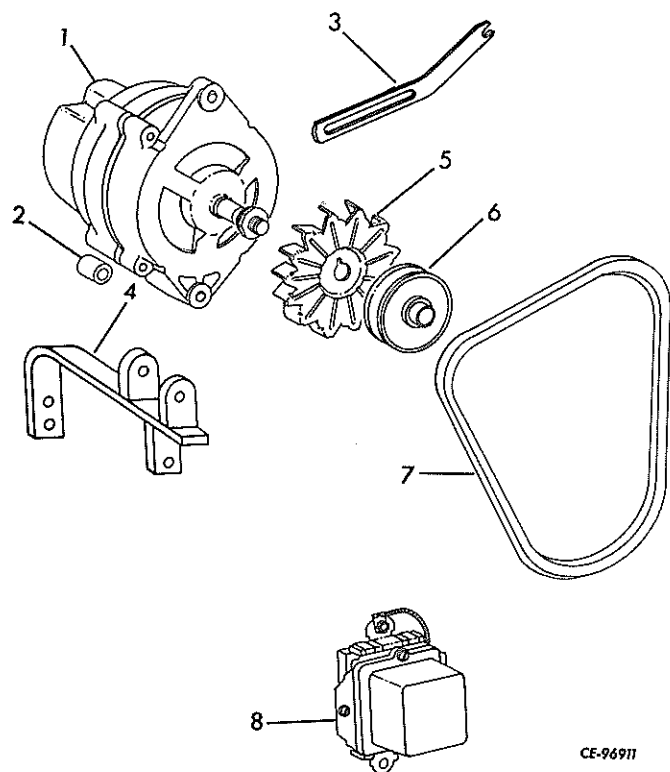
115 602 H3 LIGHT ASSY., tail and stop (899681)
 NUT, 1/4" (2)
 SCREW, No. 8 x 5/16" slit-rd-hd mach (2)
 WASHER, No. 8 lock (2)
 WASHER, 1/4" lock (2)

1	120 586 H2	DOOR (92397)
2	454 646	BULB, 12-volt (1073)
3	142 450	BULB, 12-volt (67)
4	116 001 H1	PLATE and SOCKET
5		BODY (Not furnished separately)
6		SCREW, No. 8 x 3/4" cross recess mach-rd-hd (2)
7	894 524 C1 181 361 103 321 103 026	SUPPORT, tail light BOLT, 3/8"NF x 7/8" (2) WASHER, 3/8" lock (2) NUT, 3/8"NF hex (2)
	165 882 H1	GROMMET, rear light wires

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION
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ALTERNATOR, REGULATOR, BELT AND CONNECTIONS (G-263 Only)



REF. NO.	PART NUMBER	DESCRIPTION
1		ALTERNATOR ASSY (For components, see list of parts under details of "Alternator")
	181 385	SCREW, 3/8 x 3" hex-hd cap
	103 321	WASHER, 3/8" lock
	103 026	NUT, 3/8"
2	61 252 H	SPACER, alternator generator mounting bracket
	179 856	BOLT, 7/16"NC x 3/4"
	103 322	WASHER, 7/16" lock
3	384 994 R2	BRACE, alternator
	179 818	BOLT, 5/16"NC x 1"
	103 320	WASHER, 5/16" lock
4	191 785 H1	BRACKET, alternator mounting
	181 339	BOLT, 5/16"NF x 1" (Front)
	181 340	BOLT, 5/16"NF x 1-1/8" (Rear)
	103 320	WASHER, 5/16" lock (2)
	103 025	NUT, 5/16"NF
	179 816	NUT, 5/16"NC x 3/4"
	103 320	WASHER, 5/16" lock
	615 031 R1	WASHER
5	221 425 R1	FAN, alternator generator
6	195 548 H1	PULLEY, alternator generator
7	192 806 H1	BELT, alternator and water pump
8		REGULATOR ASSY., voltage (For components, see list of parts under details of "Voltage Regulator")

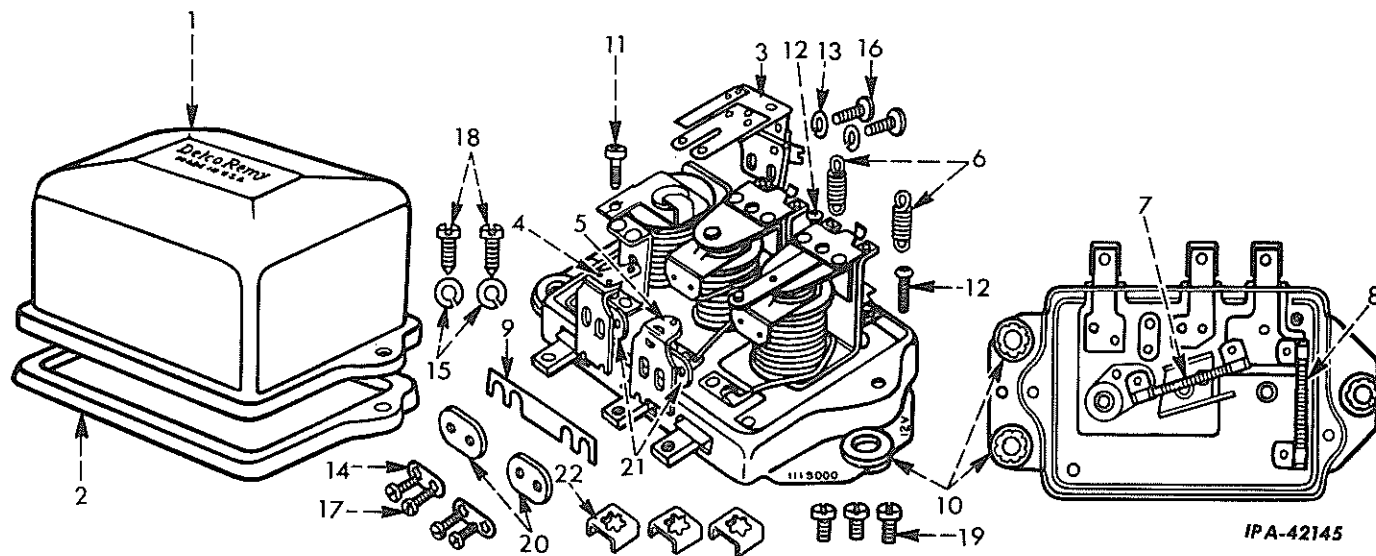
ELECTRICAL

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

(Delco-Remy)

(D-236 and G-263 equipped w/Generator)



	1 119 003	REGULATOR, voltage (Negative ground)	16	1 924 764	SCREW and lock WASHER, armature attaching (2)
1	1 931 886	COVER	17	1 878 516	SCREW, contact attaching (4)
2	1 931 887	GASKET, cover	18	1 943 386	SCREW, cover (2)
3	1 878 467	ARMATURE, relay	19	1 914 800	SCREW, terminal (3)
4	1 878 517	CONTACT, current regulator	20	1 922 599	WASHER w/BUSHING, insulating (2)
5	1 933 239	CONTACT, voltage regulator	21	1 878 507	WASHER, insulating contact screw (2)
6	1 912 176	SPRING (2)	22	1 878 503	CLAMP, terminal (3)
7	1 910 174	RESISTOR (65 ohms)		1 855 978	CLAMP, ground screw
8	1 910 176	RESISTOR (130 ohms)		1 933 273	GROMMET and FERRULE ASSY. (Part of PACKAGE, 1 910 966) (3)
9	1 878 504	CONNECTOR		1 911 033	LEAD, ground (Part of PACKAGE, 1 910 966)
10	1 879 663	GROMMET		1 911 028	MOUNT, shock (3 hole) (Part of PACKAGE, 1 910 966)
11	1 912 159	SCREW, adjusting			
12	1 922 408	SCREW, adjusting (2)			
13	1 904 377	WASHER, relay screw lock (2)			
14	1 878 505	WASHER, contact screw lock (2)			
15	1 938 522	WASHER, cupped, cover screw (2)			

Always give VOLTAGE REGULATOR number when ordering parts.

ELECTRICAL

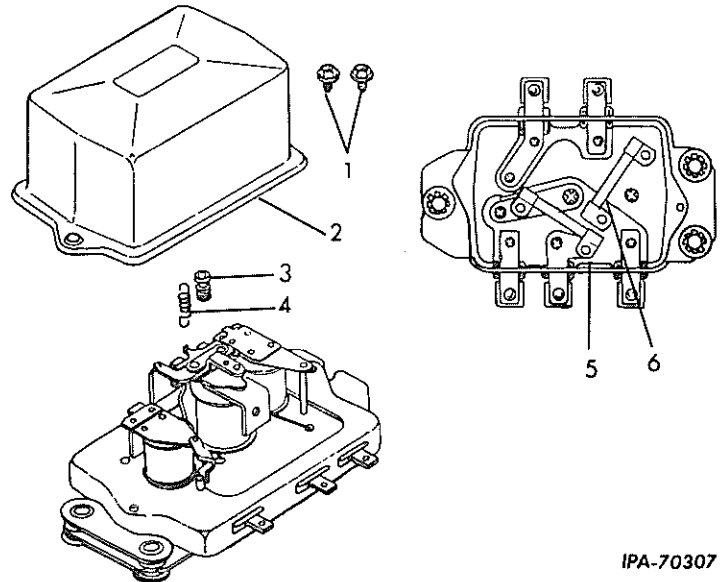
REF. NO.	PART NUMBER	DESCRIPTION
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VOLTAGE REGULATOR — Continued (Delco-Remy) (D-236 and G-263 equipped w/Generator)

1 911 034	MOUNT, shock (4 hole) (Part of PACKAGE, 1 910 966)
124 818	NUT, shock mount attaching (Part of PACKAGE, 1 910 966) (3)
273 484	SCREW, shock mount attaching (Part of PACKAGE, 1 910 966) (3)
1 874 495	WASHER, shock mount attaching lock (Part of PACKAGE, 1 910 966) (3)
1 910 966	PACKAGE, shock mount (Consists of - 3 GROMMET & FERRULE ASSY. 1 993 273 1 LEAD ASSY. 1 911 033 3 WASHER 1 874 495 3 NUT 124 818 3 SCREW 273 484 1 MOUNT, shock 1 911 028 1 MOUNT, shock 1 911 034)
274 577	SCREW, ground

REF. NO.	PART NUMBER	DESCRIPTION
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VOLTAGE REGULATOR (Delco-Remy) (D-236 and G-263 equipped w/Alternator)



1 119 513	REGULATOR w/SHOCK BRACKET, voltage (12-Volt) (Composed of - 1 PACKAGE 1 962 629 1 REGULATOR 1 119 507 3 SCREW 454 669 3 WASHER 120 380) SCREW, 1/4 x 3/4" hex-hd cap (2) WASHER, 1/4" lock (2)
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1 119 507	REGULATOR ASSY., voltage (Consists of Ref. Nos. 1 thru 6) (Furnished as part of REGULAT-OR, 1 119 513)
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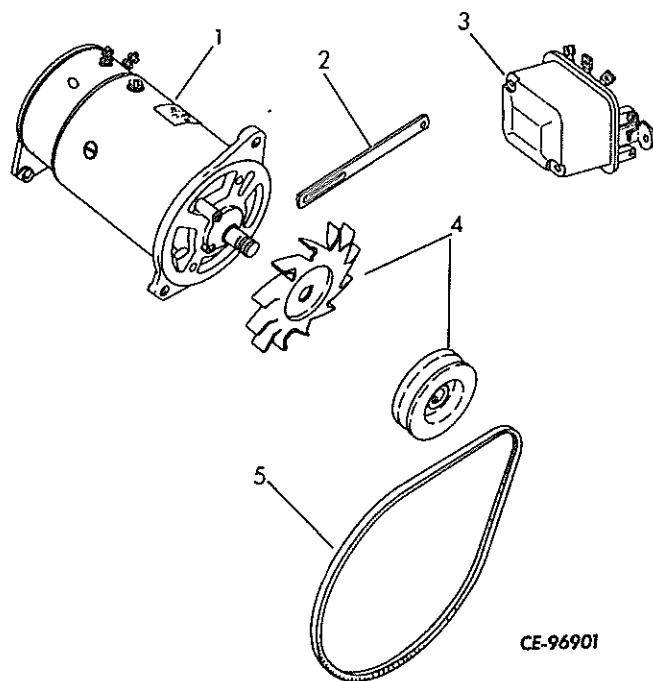
1	9 418 115	SCREW, cover attaching (2)
2	1 958 151	COVER, regulator
3	1 958 148	SCREW, adjusting
4	1 958 137	SPRING, adjusting screw
5	1 941 431	RESISTOR
6	1 960 347	RESISTOR
	1 962 629	PACKAGE, shock bracket
	454 669	SCREW, terminal (3)
	120 380	WASHER, terminal screw lock (3)

Always give VOLTAGE REGULATOR NUMBER when ordering parts.

ELECTRICAL

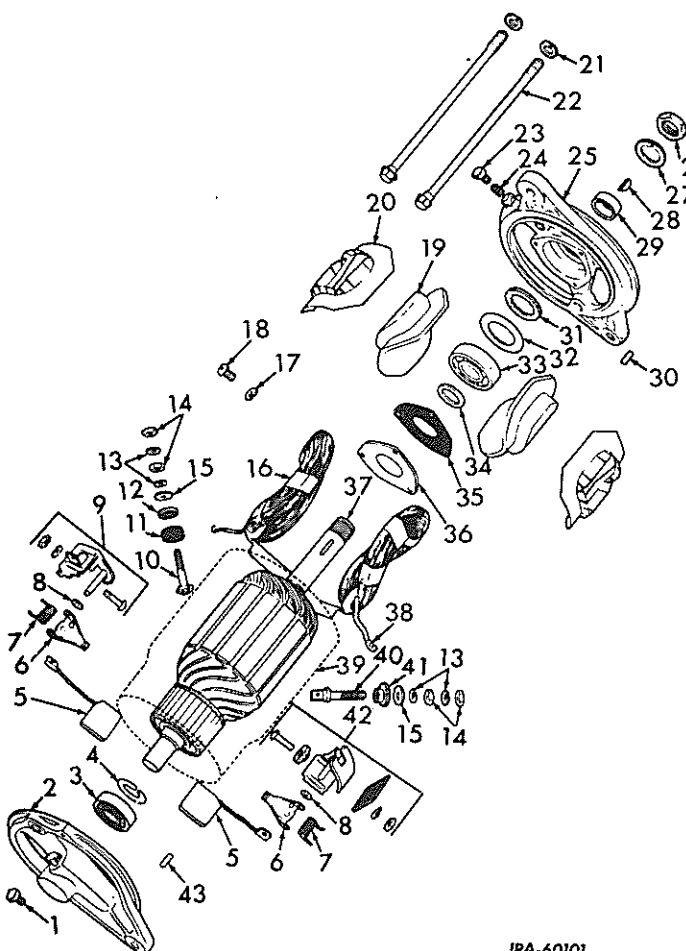
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GENERATOR, VOLTAGE REGULATOR, BELT AND CONNECTIONS (G-263 Engine Only)			4	310 537 R91	PULLEY and FAN
				181 339	BOLT, 5/16" x 1" NF cap, front
				181 340	BOLT, 5/16" x 1-1/8" NF cap, rear
				103 320	WASHER, 5/16" lock (2)
				103 025	NUT, 5/16" NF

5 188 839 H1 BELT, fan and generator



- 1 GENERATOR ASSY. (Delco-Remy No.1 102 059) (12-Volt) (For components, see list of parts under details of "Generator")
- 181 339 BOLT, 5/16" NF x 1" (Front)
- 181 340 BOLT, 5/16" NF x 1-1/8" (Rear)
- 103 320 WASHER, 5/16" lock (2)
- 103 025 NUT, 5/16" NF hex
- 2 312 068 R1 STRAP, generator adjusting
- 61 252 H SPACER, generator adjusting
- 179 856 BOLT, 7/16 x 3/4" hex-hd cap
- 103 322 WASHER, 7/16" lock
- 179 816 BOLT, 5/16 x 3/4" hex-hd cap
- 103 320 WASHER, 5/16" lock
- 615 031 R1 WASHER, 5/16" flat
- 3 REGULATOR, voltage (Delco-Remy No. 1 119 003E) (12-volt) (For components, see list of parts under details of "Voltage Regulator")
- 103 024 NUT, 1/4" NF (3)
- 181 314 BOLT, 1/4" NF x 7/8" hex-hd
- 103 319 WASHER, 1/4" lock (3)
- 164 725 H1 PLATE, regulator mounting

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GENERATOR (Delco-Remy) (12-Volts) (G-263 Engine Only) U003970 and below C004057 and below			7	1 908 829	SPRING, brush (2)
			8	1 904 368	WASHER, space (2)
			9	1 925 378	HOLDER, ground brush (Package)
			10	1 858 749	STUD, "F" terminal
			11	1 885 090	BUSHING, insulating ("F" terminal)
			12	1 858 753	WASHER, insulating ("F" terminal)
			13	1 914 579	WASHER, terminal stud lock (4)
			14	121 743	NUT, No. 12 (4)
			15	826 319	WASHER, flat (2)
			16	1 922 701	COIL, field
			17	9 421 423	WASHER, 1/4" lock
			18	225 577	SCREW, 1/4 x 3/8" fil-hd-slt cap, field frame
			19	1 939 902	SHOE, pole (2)
				1 913 960	SCREW, pole shoe (2)
			20	1 912 073	INSULATOR, field coil
			21	9 421 424	WASHER, thru bolt
			22	809 763	BOLT, thru
			23	125 609	OILER, drive end
			24		NOT USED
			25	1 953 882	FRAME, drive end
			26	1 915 172	NUT, drive end hex
			27	1 915 265	WASHER, drive end nut lock
			28	124 545	KEY, 1/8 x 5/8" Woodruff
			29	1 858 603	COLLAR, spacing
			30	809 593	PIN, drive end dowel
			31	809 961	WASHER, drive end felt
			32	819 104	PLATE, drive end felt retainer
			33	907 503	BEARING, drive end ball
			34	809 945	WASHER, drive end inner spacer
			35	1 912 008	GASKET, bearing retainer
1 102 059 GENERATOR ASSY. (12-volt) 103 025 NUT, 5/16" 181 339 SCREW, 5/16" x 1" hex-hd cap 181 340 SCREW, 5/16 x 1-1/8" hex-hd cap 103 320 WASHER, 5/16" lock (3)					
1	125 609	OILER, commutator end			
2	1 925 204	FRAME, commutator end			
3	904 751	BEARING, commutator end ball			
4	1 929 959	RING, commutator end bearing			
5	1 932 506	BRUSH (2)			
	1 904 377	SCREW, No. 6 x 1/4" rd-hd cap			
		WASHER, lock			
6	1 944 373	ARM, brush (2)			

Always give GENERATOR NUMBER when ordering parts.

ELECTRICAL

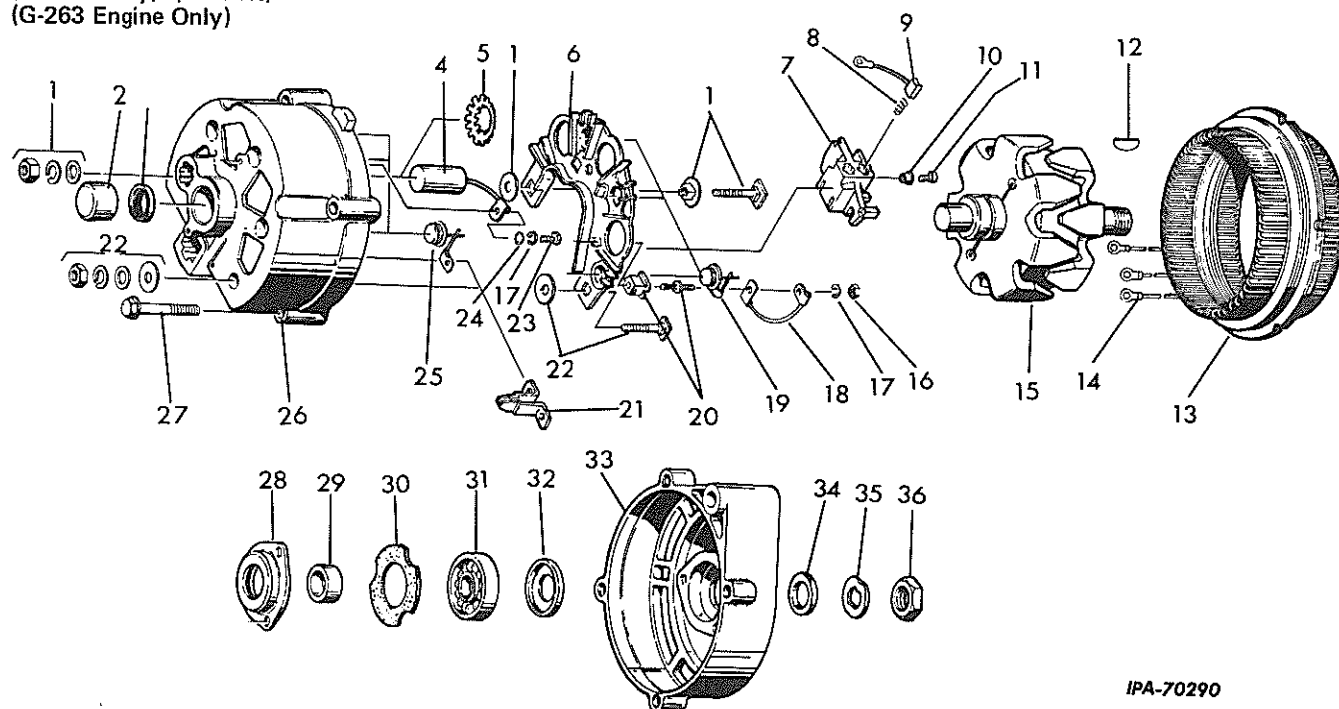
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GENERATOR — Continued (Delco-Remy) (12-Volt) G-263 Engine Only U003970 and Below C004057 and Below					
36	1 911 263	PLATE, bearing retainer, drive end			
	1 904 370	SCREW, retainer plate			
	1 962 276	WASHER, lock			
37	1 940 161	ARMATURE			
38	200 382	CLIP, terminal to brush			
39		CASE (Not furnished separately)			
40	1 923 284	STUD ("A" terminal)			
41	1 921 362	BUSHING, insulating ("A")			
42	1 925 379	HOLDER, insulated brush (Package)			
43	809 062	PIN, commutator end dowel			
	815 042	WASHER, felt			
	1 880 641	OILER, CE and DE			

Always give GENERATOR NUMBER when
ordering parts.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ALTERNATOR (Delco-Remy) (12-Volt) (G-263 Engine Only)



IPA-70290

A	1 100 805	ALTERNATOR ASSY. (12-Volt/ 32 Amp) U003971 thru 04175 (Consists of the following parts -	12		NOT USED
			13	1 959 381	STATOR w/CLIPS (Alternator A)
			13	1 959 531	STATOR w/CLIPS (Alternator B)
B	1 100 791	ALTERNATOR ASSY. (12-Volt/ 55-Amp) U004176 and up C004058 and up (Consists of the following parts -	14	1 959 532	CLIP, stator terminal (3)
			15	1 958 565	ROTOR ASSY.
			16	453 434	NUT, hex (3)
1	1 959 833	TERMINAL w/NUTS and WASHERS, ground	17	9 419 392	WASHER, lock (4)
2	7 451 763	BEARING, slip ring end roller (Alternator A)	18		NOT USED
2	7 451 326	BEARING, slip ring end roller (Alternator B)	19	1 964 353	DIODE, positive (Package) (3)
3	1 961 323	RETAINER w/FELT, slip ring end	20	1 959 834	TERMINAL, diode junction (Package) (3)
4	1 959 455	CONDENSER	21		NOT USED
5	1 960 750	SPRING, condenser retaining	22	1 959 832	TERMINAL, battery (Package)
6	1 959 828	HEAT SINK, w/positive DIODE	23	132 768	SCREW, rd-hd No.
7	1 964 682	HOLDER, brush	24	815 540	WASHER, condenser terminal screw
8	1 964 117	SPRING, brush (2)	25	1 964 354	DIODE, negative (Package) (3)
9	1 964 862	BRUSH (Package)	26	1 969 329	FRAME w/negative DIODE BEARING, RETAINER and CONDENSER
10	1 959 389	INSULATOR, brush holder screw (2)			
11	1 957 501	SCREW, brush holder attaching (2)			

Always give ALTERNATOR NUMBER when
ordering parts.

ELECTRICAL

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ALTERNATOR — Continued (Delco-Remy) (12-Volt) (G-263 Engine Only)					
27	1 956 975	BOLT, thru (4)			
28	1 955 494	PLATE, drive end ball bearing retainer			
	1 965 104	SCREW, attaching			
29	1 963 139	COLLAR, drive end inside spacer			
30	1 912 008	GASKET, bearing retainer plate			
31	904 751	BEARING, drive end ball			
32		NOT USED			
33	1 959 917	FRAME, drive end			
34	1 959 991	COLLAR, drive end outside spacer			
35	1 941 978	WASHER, drive end shaft			
36	1 915 172	NUT, drive end shaft			

Always give ALTERNATOR NUMBER when
ordering parts.



SECTION 13

BRAKE SYSTEM

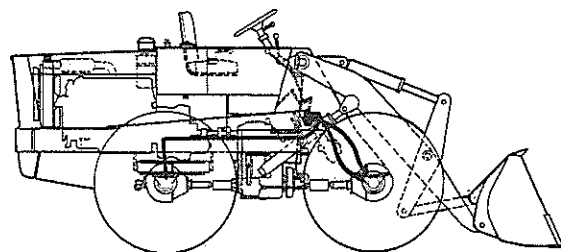
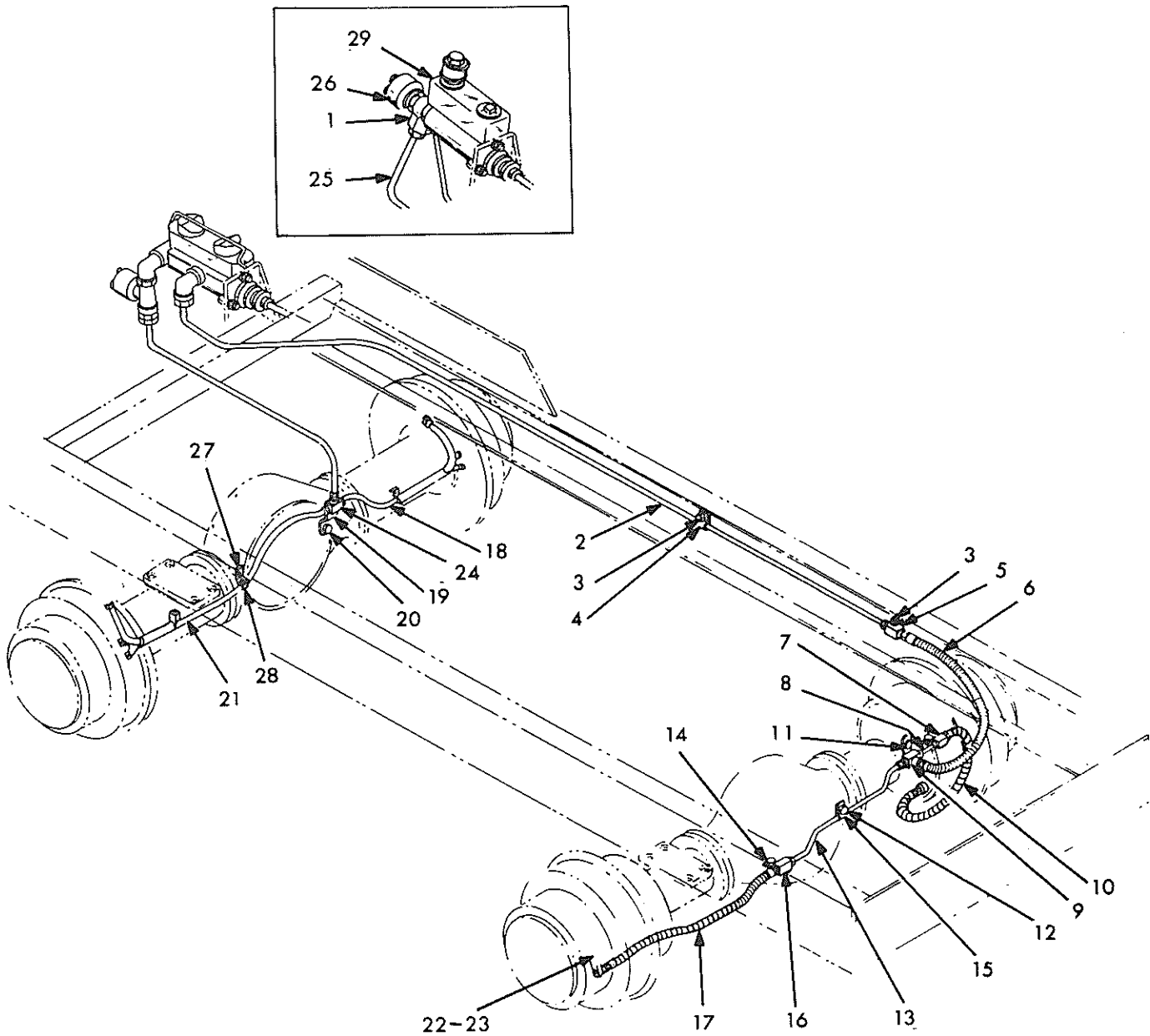


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BRAKE SYSTEM

BRAKE CONNECTIONS (4-Wheel Drive)



CE-89313A

BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE CONNECTIONS — Continued (4-Wheel Drive)					
1	120 876 H1	FITTING, "Y" U004767 and below C004952 and below	23	48 165 H 48 166 H 48 167 H	BOLT, connector (2) GASKET (2) GASKET (2)
	114 697 H1 48 166 H 48 167 H	BOLT GASKET GASKET	24	HL-3543	TEE w/STRAP ASSY.
1	444 253	TEE U004768 and up C004953 and up	25	129 229 H1	TUBE ASSY.
	442 322 444 163	ADAPTER (2) ELBOW, 90° (2)	26		SWITCH, stop light (Refer to "Wiring")
2	180 554 H1	TUBE ASSY.	27	159 680 H1	CLIP
3	181 338 103 025 103 320	SCREW, 5/16 x 7/8" NF cap (2) NUT, 5/16" NF hex (2) WASHER, 5/16" lock (2)	28	105 245 181 311 103 024 103 319 181 309 103 024 103 319	CLAMP (2) SCREW, 1/4 x 5/8" NF cap NUT, 1/4" NF hex WASHER, 1/4" lock SCREW, 1/4 x 1/2" NF cap NUT, 1/4" NF hex WASHER, 1/4" lock
4	140 580	CLAMP, tube to frame (2)	29	123 704 H1	CYLINDER, master w/VALVE, 158 600 H1
5	146 964 H1	COUPLING w/STRAP ASSY.			U004767 and below C004952 and below
6	146 962 H1	HOSE		181 374	SCREW, 3/8" NF x 1-1/2" cap (3)
7	146 965 H1	COUPLING w/STRAP ASSY.		103 321 103 026	WASHER, 3/8" lock (3) NUT, 3/8" NF hex (3)
8	158 105 H1	TUBE ASSY.	29		CYLINDER, master (See "Master Cylinder" in this section)
9	146 966 H1	TEE w/STRAP ASSY.			U004768 and up C004953 and up
10	146 962 H1	HOSE		181 374	SCREW, 3/8" NF x 1-1/2" cap (2)
11	181 342 103 025 103 320	SCREW, 5/16 x 1-3/8" NF cap NUT, 5/16" NF hex WASHER, 5/16" lock		103 321 103 026	WASHER, 3/8" lock (2) NUT, 3/8" NF hex (2)
12	181 342 103 025 103 320	SCREW, 5/16 x 1-3/8" NF cap NUT, 5/16" NF hex WASHER, 5/16" lock		158 600 H1	VALVE RELIEF (Master Cylinder, 123 704 H1)
13	117 439 H1	TUBE ASSY.		111 582 H1	REPAIR KIT, master cylinder, 123 704 H1 (Consists of -
14	181 342 103 025 103 320	SCREW, 5/16 x 1-3/8" NF cap (2) NUT, 5/16" NF hex (2) WASHER, 5/16" lock (2)			§ 1 SEAT, check valve § 1 SPRING, check valve § 1 VALVE, check § 1 SEAL, end plug § 2 GASKET, end plug § 1 CUP, primary § 1 CUP, secondary § 1 CUP, secondary § 2 GASKET, filter plug § 1 BOOT
15	105 245	CLAMP			
16	148 438 H1	COUPLING w/STRAP ASSY.			
17	146 962 H1	HOSE			
18	117 439 H1	TUBE ASSY.			
19	136 271 H1	CLIP			
20	181 309 103 024 103 319	SCREW, 1/4 x 1/2" NF cap NUT, 1/4" NF hex WASHER, 1/4" lock			
21	121 104 H1	TUBE ASSY.			
22	59 150 H	CONNECTOR, bolt (2)			

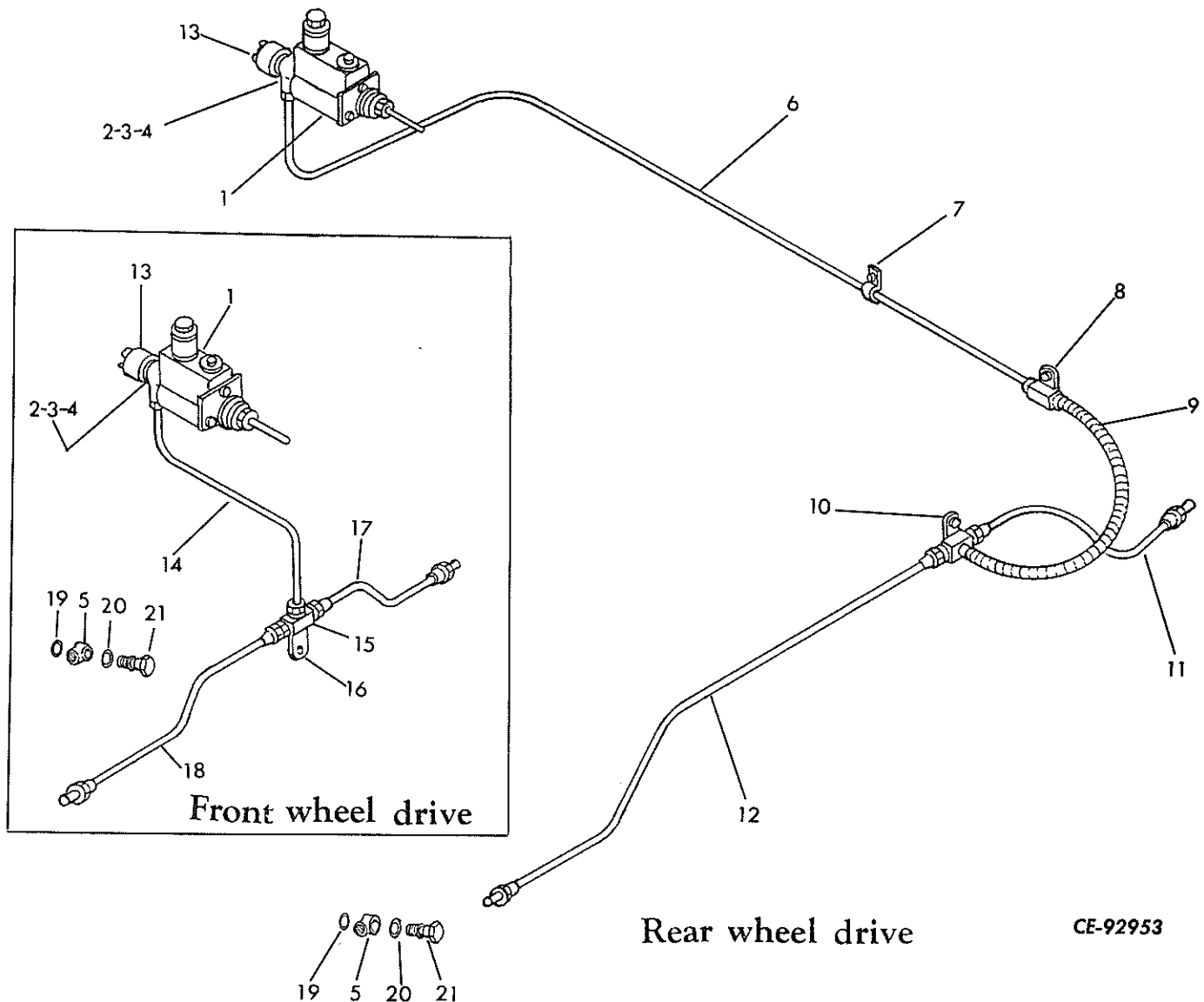
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BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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BRAKE CONNECTIONS
(Front or Rear Wheel Drive)
U004767 and below
C003927 thru C004952



Rear wheel drive

CE-92953

1	123 704 H1	CYLINDER, master
	181 374	BOLT, 3/8"NF x 1-1/2"
		(Master cylinder attaching) (3)
	103 026	NUT, 3/8"NF (Master cylinder attaching) (3)
	103 321	WASHER, 3/8" lock (Master cylinder attaching) (3)
2	HA-884	GASKET
3	HA-883	GASKET
4	114 697 H1	BOLT, fitting

5	59 150 H	CONNECTOR (2)
6	180 554 H1	TUBE and NUTS
7	140 580	CLAMP, tube to frame (3)
	181 338	BOLT, 5/16"NF x 7/8" (3)
	103 025	NUT, 5/16"NF (3)
	103 320	WASHER, 5/16" lock (3)
8	146 964 H1	COUPLING w/STRAP ASSY.
9	146 962 H1	HOSE, brake coupling

BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE CONNECTIONS -- Continued (Front or Rear Wheel Drive) U004767 and below C003927 thru C004952					
10	146 966 H1	TEE w/STRAP ASSY.			
	181 342	BOLT, 5/16"NF x 1-3/8"			
	103 025	NUT, 5/16"NF			
	103 320	WASHER, 5/16" lock			
11	117 439 H1	TUBE (Tee to RH brake)			
12	112 564 H1	TUBE (Tee to LH brake)			
13	112 339 H2	SWITCH, pressure			
14	129 229 H1	TUBE (Master Cylinder to Tee)			
15	HL-3543	TEE w/STRAP ASSY., front			
16	136 271 H1	CLIP (Tee to axle)			
	181 309	BOLT, 1/4"NF x 1/2"			
	103 024	NUT, 1/4"NF			
	103 319	WASHER, 1/4"NF lock			
17	117 439 H1	TUBE (Tee to RH brake)			
18	121 104 H1	TUBE (Tee to LH brake)			
	181 311	BOLT, 1/4"NF x 5/8"			
	103 024	NUT, 1/4"NF hex			
	103 319	WASHER, 1/4" lock			
19	48 166 H	GASKET			
20	48 167 H	GASKET			
21	48 165 H	CONNECTOR, bolt			
	111 582 H1	REPAIR KIT, master cylinder (Consists of -			
		§ 1 SEAT, check valve			
		§ 1 SPRING, check valve			
		§ 1 VALVE, check			
		§ 1 SEAL, end plug			
		§ 2 GASKET, end plug			
		§ 1 CUP, primary			
		§ 1 CUP, secondary			
		§ 1 CUP, secondary			
		§ 2 GASKET, filler			
		§ 1 BOOT			)

§ - Not Furnished Separately.

BRAKE SYSTEM

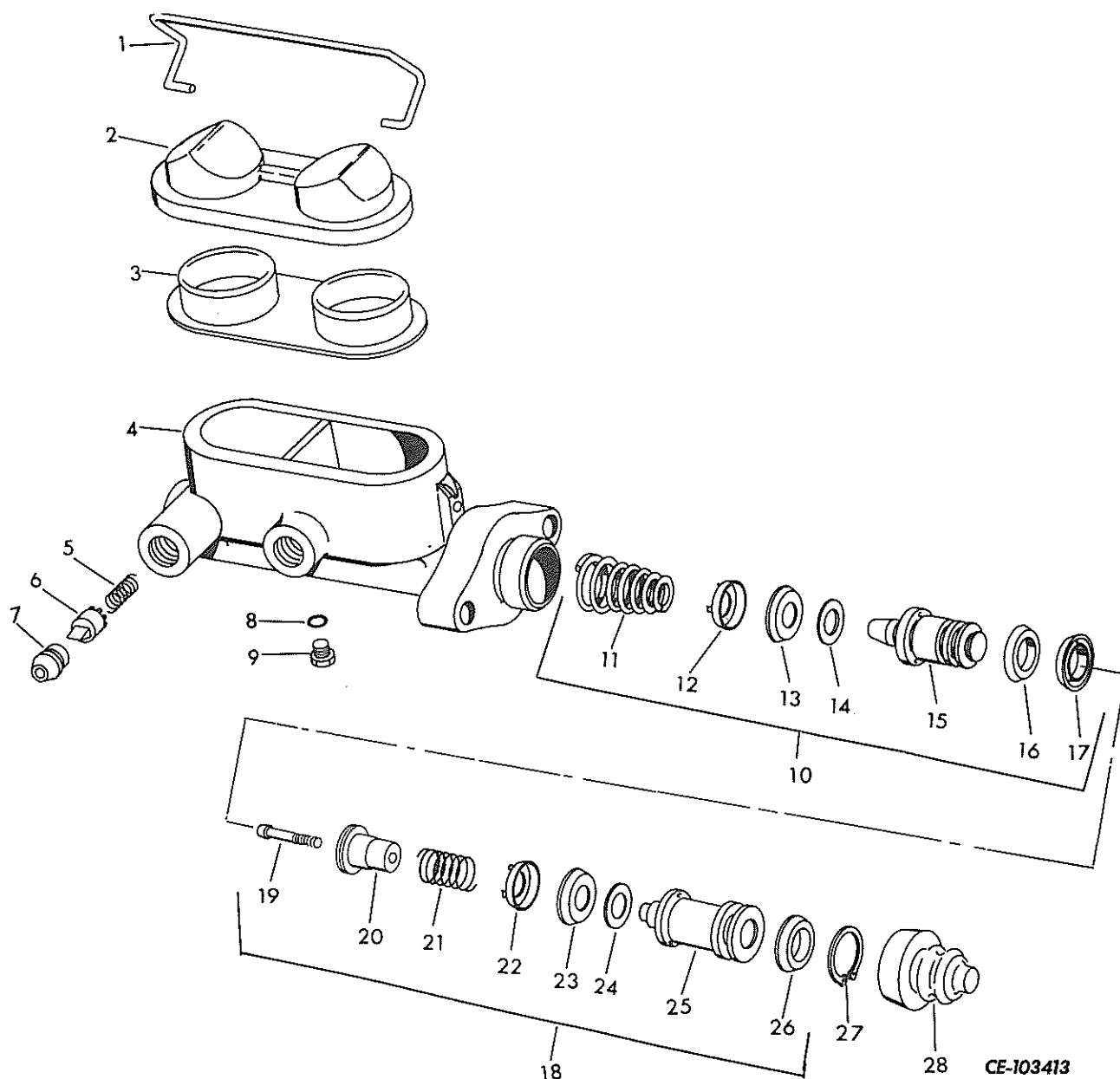
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE CONNECTIONS (Front or Rear Wheel Drive) U004768 and up C004953 and up					
1	445 684 181 374 103 321 103 026	CYLINDER, master (See "Master Cylinder" in this section) PLUG, 1/8" pipe BOLT, 3/8"NF x 1-1/2" (2) WASHER, 3/8" lock (2) NUT, 3/8"NF (2)	11	117 439 H1	TUBE, tee to RH brake
2	444 163	ELBOW, 90°	12	112 564 H1	TUBE, tee to LH brake
3	444 253	TEE	13	112 339 H2	SWITCH, pressure
4	442 322	ADAPTER	14	129 229 H1	TUBE, master cylinder to tee
5	59 150 H	CONNECTOR (2)	15	HL-3543	TEE w/STRAP ASSY., front
6	180 554 H1	TUBE w/NUTS	16	136 271 H1 181 309 103 319 103 024	CLIP, tee to axle BOLT, 1/4"NF x 1/2" WASHER, 1/4" lock NUT, 1/4"NF hex
7	140 580 181 338 103 320 103 025	CLAMP, tube to frame BOLT, 5/16"NF x 7/8" (2) WASHER, 5/16" lock (2) NUT, 5/16"NF (2)	17	117 439 H1	TUBE w/NUT, LH rear
8	146 964 H1	COUPLING w/STRAP ASSY.	18	121 104 H1 181 311 103 319 103 024	TUBE w/NUT, RH rear BOLT, 1/4"NF x 5/8" WASHER, 1/4" lock NUT, 1/4"NF hex
9	146 962 H1	HOSE, brake coupling	19	48 166 H	GASKET
10	146 966 H1 181 342 103 320 103 025	TEE w/STRAP ASSY. BOLT, 5/16"NF x 1-3/8" WASHER, 5/16" lock NUT, 5/16"NF	20	48 167 H	GASKET
			21	48 165 H	CONNECTOR, bolt

BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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MASTER CYLINDER
U004768 and up
C004953 and up



924 669 C91	CYLINDER, master
445 684	PLUG, 1/8" pipe
181 374	BOLT, 3/8"NF x 1-1/2" (2)
103 321	WASHER, 3/8" lock (2)
103 026	NUT, 3/8"NF (2)
	(Consists of the following parts -

1	389 800 C1	WIRE, bail
2	356 020 C1	COVER, reservoir
3	356 019 C1	GASKET, diaphragm (@)

4		BODY (Not furnished separately)
5	308 599 C1	SPRING, residual valve (@) (2)
6	927 668 C1	VALVE, residual (@) (2)
7	927 669 C1	SEAT, tube (@) (2)
8	927 755 C1	SEAL (@)
9	356 016 C1	BOLT, stop (@)

BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MASTER CYLINDER — Continued U004768 and up C004953					
10	927 665 C91	PISTON ASSEMBLY, secondary (@)			
11	390 992 C1	SPRING			
12	389 794 C1	RETAINER, cup			
13	927 667 C1	CUP, pumping			
14	927 666 C1	PROTECTOR, cup			
15		PISTON (Not furnished separately)			
16	927 664 C1	CUP, pressure			
17	927 664 C1	CUP, pressure			
18	927 663 C91	PISTON ASSEMBLY, primary (@)			
19		SCREW, self-tapping (Not furnished separately)			
20		RETAINER, spring (Not furnished separately)			
21		SPRING (Not furnished separately)			
22		RETAINER, cup (Not furnished separately)			
23		CUP, pumping (Not furnished separately)			
24		PROTECTOR, cup (Not furnished separately)			
25		PISTON (Not furnished separately)			
26	927 664 C1	CUP, pressure			
27	383 878 R1	RING, snap (@)			
28	389 798 C1	BOOT (@)			
	927 670 C91	KIT, master cylinder repair (Consists of -			
		1 ASSEMBLY 927 663 C91			
		1 ASSEMBLY 927 665 C91			
		1 BOLT 356 016 C1			
		\$ 1 BOLT			
		1 BOOT 389 798 C1			
		1 GASKET 356 019 C1			
		\$ 2 SCREW			
		1 SEAL 927 755 C1			
		\$ 1 SEAL			
		2 SEAT 927 669 C1			
		2 SPRING 308 599 C1			
		1 RING 383 878 R1			
		\$ 1 RING			
		2 VALVE 927 668 C1)			

(@) - Part of Master Cylinder Repair Kit.

\$ - Not furnished separately.

SECTION 14

ACCESSORIES & ATTACHMENTS

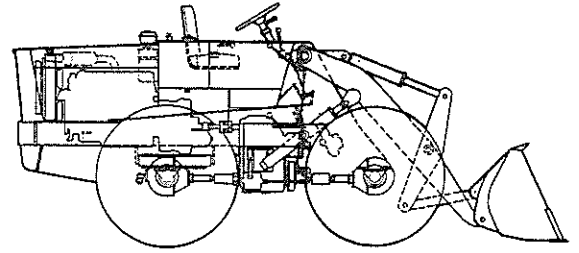


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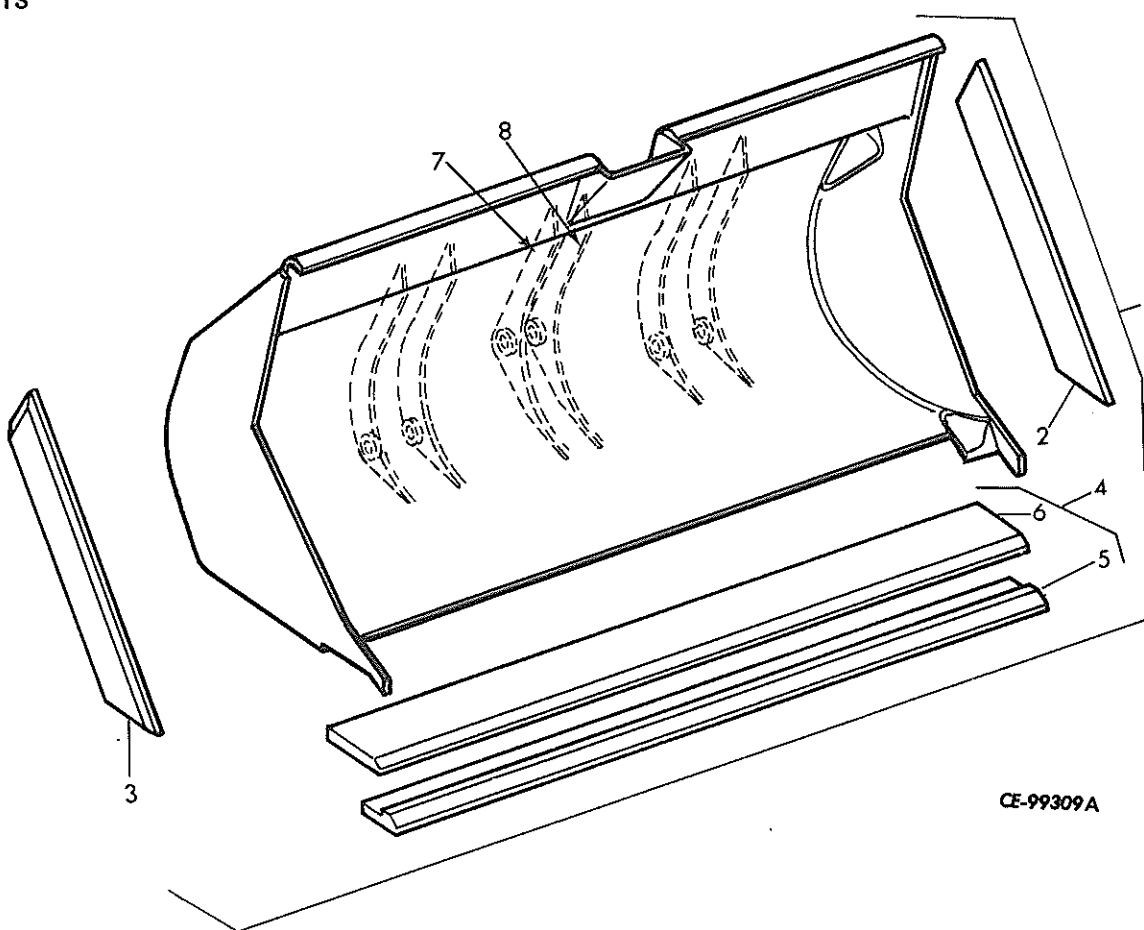
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ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DECAL AND INSTRUCTION PLATES					
		Parts without letters after the description indicates the part is used for all Decal Kits listed below. Letters "A" thru "E" are used to identify separate Decal Kits.			DECAL, safety instructions (Not furnished separately)
					DECAL, water (Not furnished separately)
A	177 507 H2	KIT, decal (I.H. Gas, four-wheel drive) (I.H. Diesel, four-wheel drive) (Detroit Diesel, four-wheel drive)			PRODUCT GRAPHIC, transmission fluid instructions (Not furnished separately)
B	187 148 H2	KIT, decal (I.H. Diesel, front-wheel drive)			
C	187 149 H2	KIT, decal (I.H. Gas, front-wheel drive)			
D	187 150 H2	KIT, decal (I.H. Gas, rear-wheel drive) (Detroit Diesel, front or rear wheel drive)			
E	187 151 H2	KIT, decal (I.H. Diesel, rear-wheel drive) (Consists of the following parts - DECAL, caution before shut-down (Not furnished separately) (B & E) DECAL, cold weather start (Not furnished separately) (B and E) DECAL, converter oil temperature (Not furnished separately) DECAL, diesel fuel (Not furnished separately) (B and E) DECAL, engine shut-down (Not furnished separately) (B and E) DECAL, four-wheel drive (Not furnished separately) (A) DECAL, gasoline (Not furnished separately) (A, C and D) DECAL, H-30 (Not furnished separately) (2) DECAL, HOUGH (Not furnished separately) (2) DECAL, ladder warning (Not furnished separately) DECAL, oil filter instructions (Not furnished separately) (A, C and D) DECAL, PAY LOADER (Not furnished separately) (3) DECAL, reservoir instructions (Not furnished separately)			
SPECIAL TOOLS					
			154 259 H1	VALVE, wrench (Used w/Front or Rear Wheel Drive only)	
			143 952 H1	CLAMP, grease gun	
			161 849 H1	WRENCH, wheel bearing adjusting nut	
			154 260 H1	WRENCH (Used w/Front or Rear Wheel Drive only)	
			883 514 C91	LUBRICATOR ASSEMBLY (Consists of GREASE GUN, 143 950 H1, and NOZZLE, 143 951 H1)	
			143 950 H1	GUN, grease	
			143 951 H1	NOZZLE	

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BUCKETS					
 CE-99309A					
Parts without letters after the description indicate the part is used for all Buckets listed below: Letters "A" thru "F" are used to identify separate Buckets.			1		BUCKET COMPLETE (Refer to the above listing for the specific bucket number desired)
A	208 097 H1	BUCKET COMPLETE (1-1/4 cu. yd. 84" wide)	2	144 558 H1	EDGE, side LH (Buckets A, B, C, D and F)
B	208 729 H1	BUCKET COMPLETE (1-1/2 cu. yd. 84" wide)	2	213 753 H1	EDGE, side, LH (Bucket E)
C	209 117 H2	BUCKET COMPLETE (1-3/4 cu. yd. 84" wide)	3	144 548 H1	EDGE, side RH (Buckets A, B, C, D and F)
D	212 826 H2	BUCKET COMPLETE (2-1/2 cu. yd. 84" wide)	3	213 753 H1	EDGE, side RH (Bucket E)
E	213 435 H1	BUCKET COMPLETE (1 cu. yd., 84" wide)	4	208 082 H1	EDGE w/TIP, 208 080 H1 (Buckets A, B, C, D and E)
F	216 949 H1	BUCKET COMPLETE (2 cu. yd., 108" wide)	4	216 953 H1	EDGE w/TIP, 216 955 H1 (Bucket F)
			5	208 080 H1	TIP (Buckets A, B, C, D and E)
			5	216 955 H1	TIP (Bucket-F)
			6		PLATE, backing (Not furnished separately)
			7	162 816 H1	SUPPORT
			8	162 817 H1	SUPPORT

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION CLUTCH AND HYDRAULIC PRESSURE GAUGE KIT					
892 677 C91	KIT, transmission clutch and hydraulic pressure gauge (See NOTES 1 and 3)				
	(Consists of -				
	1 GAUGE	205 495 H1			
	1 GAUGE	188 328 H1			
	2 GROMMET	145 705 H1			
	2 FITTING	891 300 C1			
	1 HOSE	891 298 C1			
	1 HOSE	893 527 C1			
	2 STRAP	139 016 H1			
	1 DECAL	893 372 C1			
	1 DRAWING, installation	FGH-11632			
	1 DRAWING, installation	FGH-11970)			

HIGH LIFT BOOM KIT (9' Dump)

881 527 C91	KIT, 9' high lift boom (See NOTES 1 and 3)				
	(Consists of -				
	1 BOOM	199 856 H1			
	1 BUCKET - CYLINDER	199 948 H3			
	1 ROD	200 526 H1			
	1 HOSE	199 996 H1			
	1 ADAPTER	9 411 106)			

NOTE 1: Order on Machine Order Form.

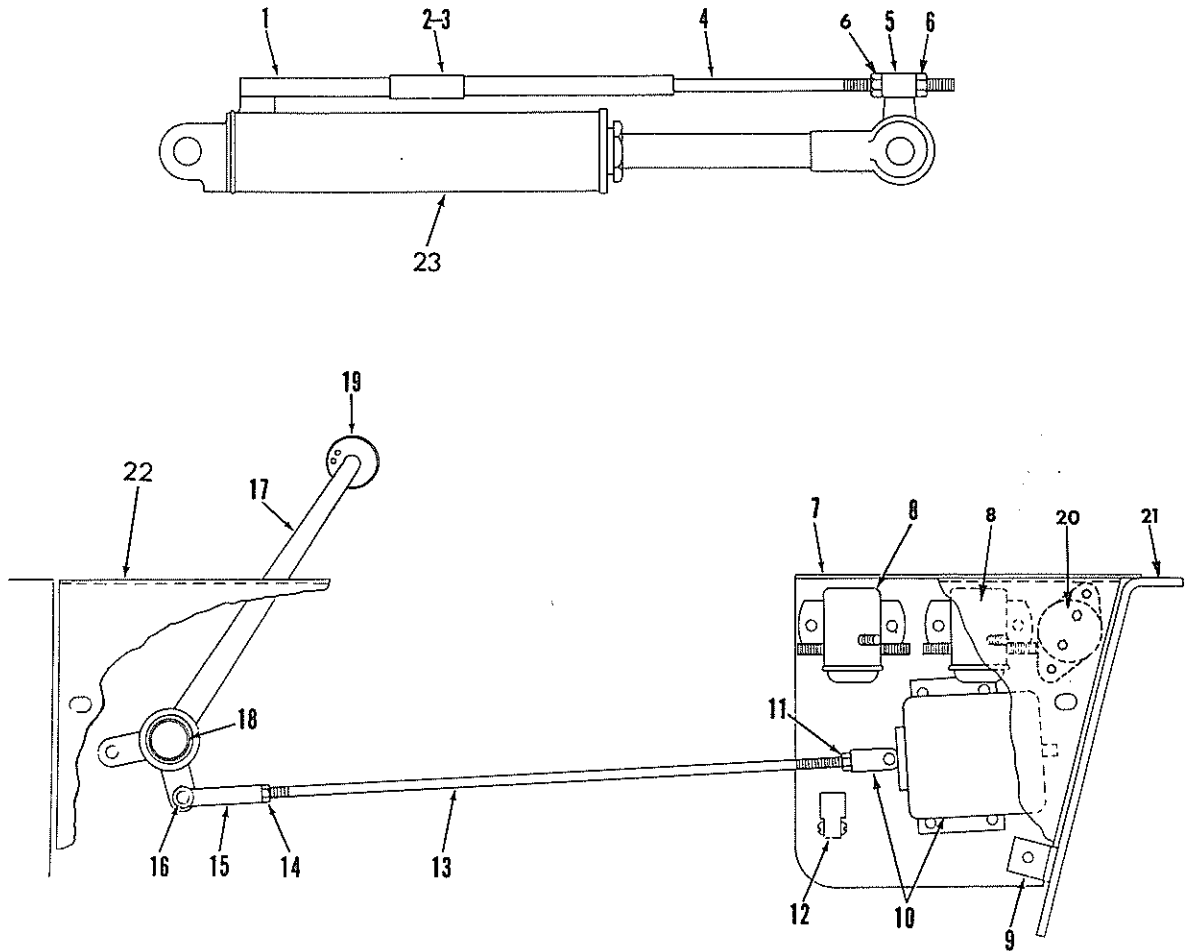
NOTE 3: Parts listed above are listed and illustrated throughout this catalog.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BUCKET LEVELER KIT

(For All Buckets except Multi-Purpose and Drott 4-in-1)



CE-88579 B

	196 239 H1	KIT, bucket leveler (See NOTE 1) (Consists of the following -	4	933 099 C1	ROD, plunger (Used on units equipped with 8-1/2 ft. high Lift Boom)
	196 240 H1	DRAWING, installation (Not used on units equipped w/8-1/2 ft. high Lift Boom)	5	193 495 H1	BRACKET, plunger rod
	FGH-14374	DRAWING, installation (Used on units equipped with 8-1/2 ft. high Lift Boom)	6	218 197	NUT, 3/4"NF hex adjusting (2)
	194 776 H1	DRAWING, wiring diagram	7	196 246 H3	BRACKET, solenoid
	FGH-10642	DRAWING, main frame rework		181 336	SCREW, 5/16"NF x 3/4" cap (4)
	FGH-10641	DRAWING, panel rework		103 320	WASHER, 5/16" lock (4)
				103 025	NUT, 5/16"NF hex (4)
1	193 491 H2	SLIDE, plunger rod	8	107 332 H1	SOLENOID, starter (2)
2	194 388 H2	MICROSWITCH		181 311	SCREW, 1/4"NF x 5/8" cap (4)
3	196 244 H1	COVER, microswitch		103 319	WASHER, 1/4" lock (4)
4	194 154 H1	ROD, plunger (Not used on units equipped with 8-1/2 ft. High Lift Boom)		103 024	NUT, 1/4"NF hex (4)
			9	196 247 H1	ANGLE, solenoid bracket (For units not equipped with Roll-Over Protective Structure)

NOTE 1: Order on Machine Order Form.

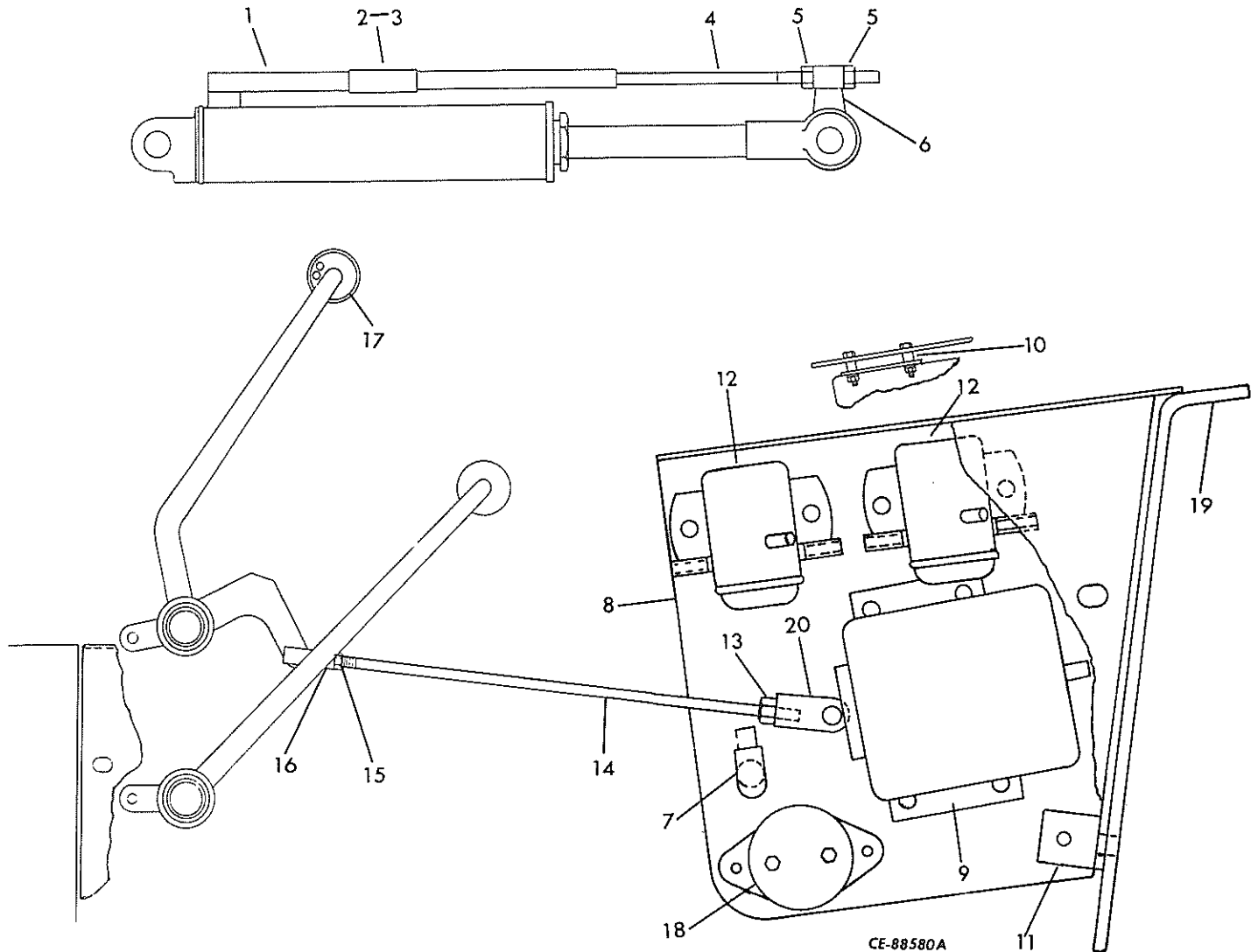
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BUCKET LEVELER KIT — Continued (For All Buckets except Multi-Purpose and Drott 4-in-1)					
9	931 006 C1	ANGLE, solenoid bracket (For units equipped with Roll-Over Protective Structure)	143 892 H2	DECAL, on	
			143 894 H2	DECAL, off	
			213 831 H1	DECAL, bucket leveler	
			213 832 H1	DECAL, bucket leveler control	
10	193 736 H1	SOLENOID w/CLEVIS	213 453 H1	WIRE	
	181 311	SCREW, 1/4"NF x 5/8" cap (4)	194 349 H1	KNOB (Part of SWITCH ASSEMBLY, 194 348 H1)	
	103 319	WASHER, 1/4" lock (4)			
	103 024	NUT, 1/4"NF hex (4)	366 317 R93	SWITCH (Part of SWITCH ASSEMBLY, 194 348 H1)	
11	102 634	NUT, 5/16"NC hex	660 902 R1	RING, retaining (Part of SWITCH ASSEMBLY, 194 348 H1)	
12	112 253 H1	SWITCH, toggle	194 635 H1	WIRE (Part of SWITCH ASSEMBLY, 194 348 H1)	
13	193 965 H1	ROD, clevis (For units not equipped with Roll-Over Protective Structure)	194 634 H1	WIRE (Part of SWITCH ASSEMBLY, 194 348 H1)	
13	931 005 C2	ROD, clevis (For units equipped with Roll-Over Protective Structure)			
14	103 025	NUT, 5/16"NF hex			
15	104 037	CLEVIS, 5/16"			
16	114 784	PIN w/cotter			
17	196 242 H1	LEVER w/BUSHING, 144 244 H1, bucket control			
18	144 244 H1	BUSHING (2)			
19	194 348 H1	SWITCH ASSEMBLY (Composed of - 1 KNOB 194 349 H1 1 SWITCH 366 317 R93 1 RING, retaining 660 902 R1 1 WIRE 194 635 H1 1 WIRE 194 634 H1)			
20	213 383 H1	BREAKER, circuit (50-amp.)			
	132 923	SCREW, circuit breaker mounting (2)			
21		MAIN FRAME (Rework per Drawing FGH-10642) (Ref.)			
22		PANEL, RH (Refer to "Sheet Cowling")			
23		CYLINDER, bucket (Refer to "Bucket Cylinder")			
	194 636 H1	WIRE, starter solenoid to toggle switch			
	194 637 H1	WIRE, starter solenoid to starter solenoid			
	194 638 H1	WIRE, solenoids to switch assembly			
	194 639 H1	WIRE, starter solenoid to solenoid			
	194 640 H1	WIRE, battery to starter solenoid			
	200 391 H1	WIRE, ignition switch to microswitch			
	194 642 H1	WIRE, toggle switch to microswitch			
	194 775 H1	HOSE, wire conduit			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BUCKET LEVELER KIT (Used on Drott 4-in-1 Bucket and Multi-Purpose Bucket Kits)



197 184 H1	KIT, bucket leveler (See NOTE 1) (Consists of the following -	6	193 495 H1	BRACKET, plunger rod	
197 186 H1	DRAWING, installation	7	112 253 H1	SWITCH, toggle	
194 776 H1	DRAWING, wiring diagram	8	196 246 H3	BRACKET, solenoid	
FGH-10642	DRAWING, frame rework		181 336	SCREW, 5/16"NF x 3/4" cap (4)	
FGH-10641	DRAWING, panel rework		103 320	WASHER, 5/16" lock (4)	
FGH-11682	DRAWING, boom lever installation		103 025	NUT, 5/16"NF hex (4)	
1	193 491 H2	SLIDE, plunger rod	9	193 736 H1	SOLENOID
2	194 388 H2	MICROSWITCH		181 315	SCREW, 1/4"NF x 1" cap (4)
3	196 244 H1	COVER, microswitch		103 319	WASHER, 1/4" lock (4)
				103 024	NUT, 1/4"NF hex (4)
4	199 530 H1	ROD, plunger	10	197 190 H1	SPACER, solenoid (4)
5	218 197	NUT, 3/4"NF hex (2)			

NOTE 1: Order on Machine Order Form.

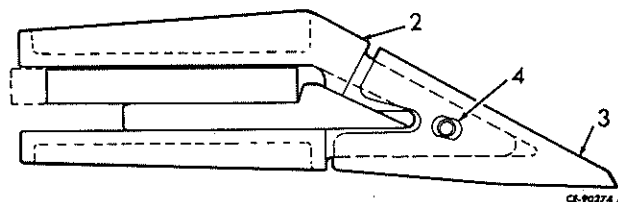
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BUCKET LEVELER KIT — Continued (Used on Drott 4-in-1 Bucket and Multi-Purpose Bucket Kits)					
11	196 247 H1	BRACKET, angle	194 775 H1	HOSE, wire conduit	
12	107 332 H1	SOLENOID, starter (2)	213 453 H1	WIRE, circuit breaker to solenoid	
	181 311	SCREW, 1/4"NF x 5/8" cap (4)			
	103 319	WASHER, 1/4" lock (4)			
	103 024	NUT, 1/4"NF hex (4)			
13	102 634	NUT, 5/16"NC hex			
14	197 189 H1	ROD, clevis			
15	103 025	NUT, 5/16"NF hex			
16	158 396 H1	BALL JOINT			
	103 025	NUT, 5/16"NF hex			
	103 320	WASHER, 5/16" lock			
17	194 348 H1	SWITCH ASSEMBLY (Composed of -			
		1 KNOB 194 349 H1			
		1 RING 660 902 R1			
		1 SWITCH 366 317 R93			
		1 WIRE 194 634 H1			
		1 WIRE 194 635 H1)			
18	213 383 H1	BREAKER, circuit (50-amp)			
	132 923	SCREW, circuit breaker mounting (2)			
19		MAIN FRAME (Rework per DRAWING, FGH-10642)			
20		CLEVIS (Furnished as part of SOLENOID, 193 736 H1)			
	194 349 H1	KNOB (Part of SWITCH ASSEMBLY, 194 348 H1)	2	206 955 H3	SHANK
	660 902 R1	RING (Part of SWITCH ASSEMBLY, 194 348 H1)	3	181 269 H2	TIP, replaceable
	366 317 R93	SWITCH (Part of SWITCH ASSEMBLY, 194 348 H1)	4	156 744 H1	PIN, roll
	194 634 H1	WIRE (Part of SWITCH ASSEMBLY, 194 348 H1)		215 409 H1	DRAWING, installation
	194 635 H1	WIRE (Part of SWITCH ASSEMBLY, 194 348 H1)			
	143 892 H2	DECAL, on			
	143 894 H2	DECAL, off			
	213 831 H1	DECAL, bucket leveler			
	213 832 H1	DECAL, bucket leveler control			
	194 636 H1	WIRE, starter solenoid to toggle switch			
	194 637 H1	WIRE, starter solenoid to starter solenoid			
	194 638 H1	WIRE, solenoid to Switch Assembly			
	194 639 H1	WIRE, starter solenoid to solenoid			
	194 640 H1	WIRE, battery to starter solenoid			
	194 642 H1	WIRE, toggle switch to microswitch			
	200 391 H1	WIRE, ignition switch to microswitch			

BUCKET TOOTH

(Welded)

(Not used on units equipped with Multi-Purpose or Drott 4-in-1 Buckets)

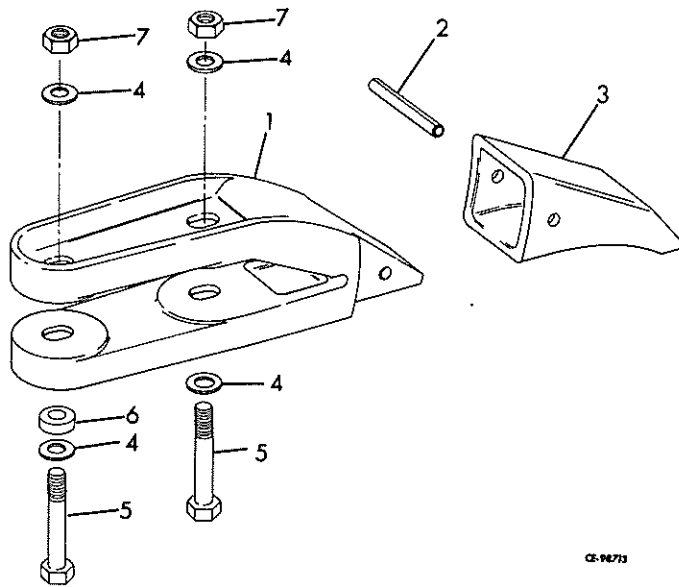


ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION
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TOOTH ASSEMBLIES

(Not used on units equipped with Multi-Purpose Bucket)



CE-96713

Parts without letters after the description indicates the part is used for all Tooth Assemblies. Letters "A" and "B" are used to identify separate Tooth Assemblies.

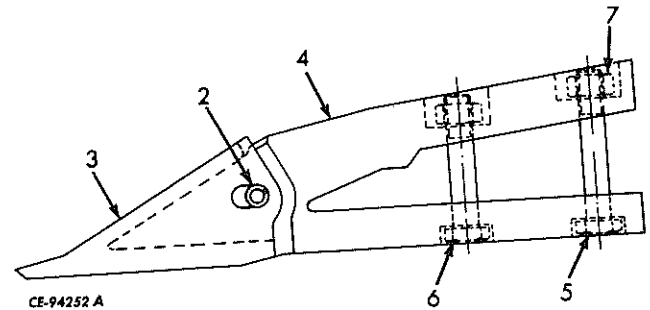
A			Service parts for BOLT ON TOOTH ASSEMBLY		
B			Service parts for WELD ON TOOTH ASSEMBLY		
1	886 353 C2	ADAPTER			
2	156 744 H1	PIN, roll			
3	886 349 C1	POINT			
4	25 548 R1	WASHER (A) (4)			
5	24 893 R1	BOLT (A) (2)			
6		NOT USED			
7	25 529 R1	NUT, (A) (2)			
	FGH-10853	DRAWING, bolt on installation (A)			
	215 409 H1	DRAWING, weld on installation (B)			

REF. NO.	PART NUMBER	DESCRIPTION
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BUCKET TOOTH

(Bolted)

(Used only on units equipped with Multi-Purpose Bucket Kit)



CE-94252 A

889 910 C91 KIT, tooth assembly (Weld-On) (See NOTE 1) (Includes seven TOOTH ASSEMBLY, 836 589 R91 and DRAWING, FGH-11226)

889 911 C91 KIT, tooth assembly (Bolt-On) (See NOTE 1)
(Consists of -

7	TOOTH ASSY.	836 589 R91
7	BOLT	179 890
7	BOLT	179 891
14	NUT	102 637
1	DRAWING, instruction	FGH-11227)

2	17 086 R1	PIN, roll
3	889 912 C1	TOOTH, tip
4	836 590 R1	TOOTH, shank
5	179 890	BOLT, 1/2"NC x 2-1/4" (7)
6	179 891	BOLT, 1/2"NC x 2-1/2" (7)
7	102 637	NUT, 1/2"NC (14)
	FGH-11226	DRAWING, instructions
	FGH-11227	DRAWING, instructions

NOTE 1: Order on Machine Order Form.

ACCESSORIES & ATTACHMENTS

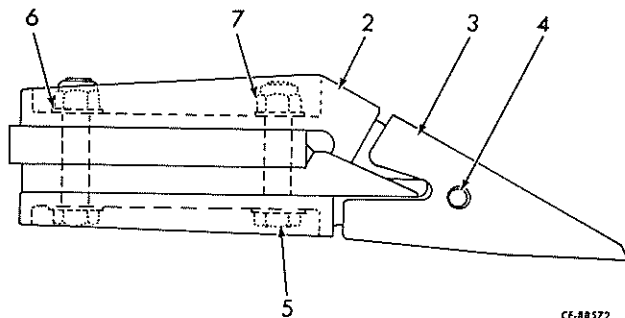
REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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BUCKET TOOTH

(Bolted)

(Not used on units equipped with Multi-Purpose or Drott
4-in-1 Buckets)



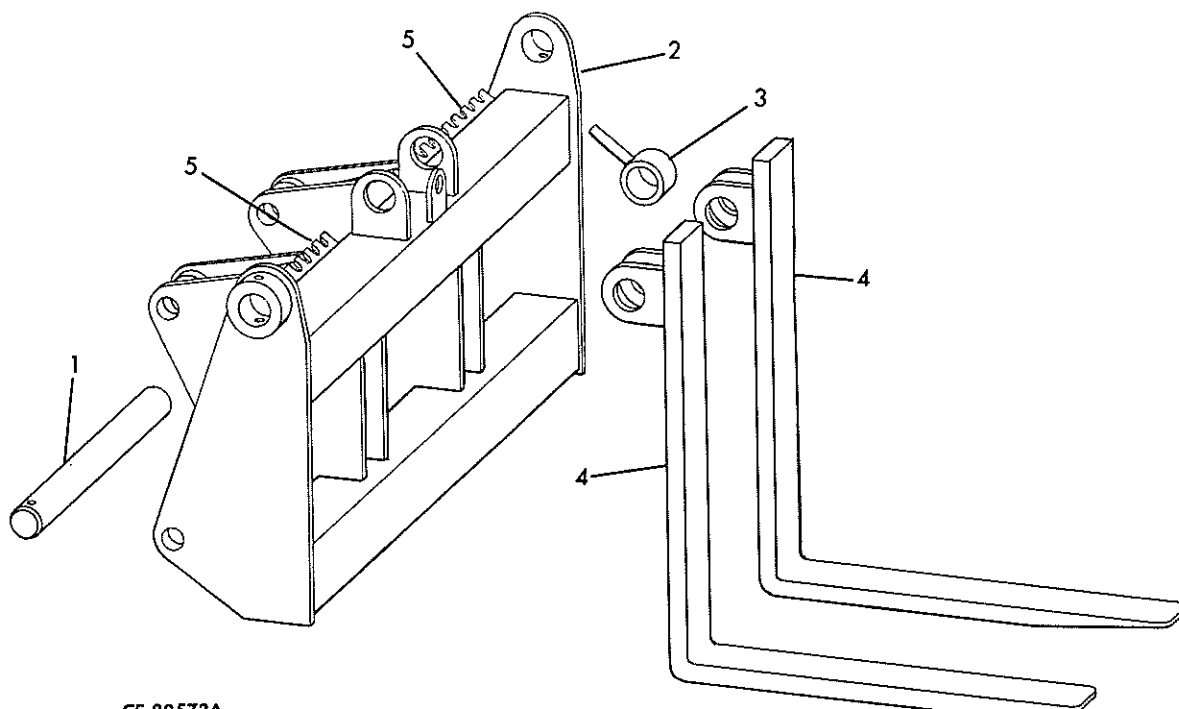
CE-88572

2	206 955 H3	SHANK
3	181 269 H2	TIP, replaceable
4	156 744 H1	PIN, roll
5	271 616	SCREW, 3/4"NC x 3-1/4" cap (2)
6	103 346	WASHER, 3/4" flat (4)
7	18 444 R1	NUT, 3/4"NC (2)
	208 137 H1	CHART, installation

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FORK LIFT KIT



CE-88573A

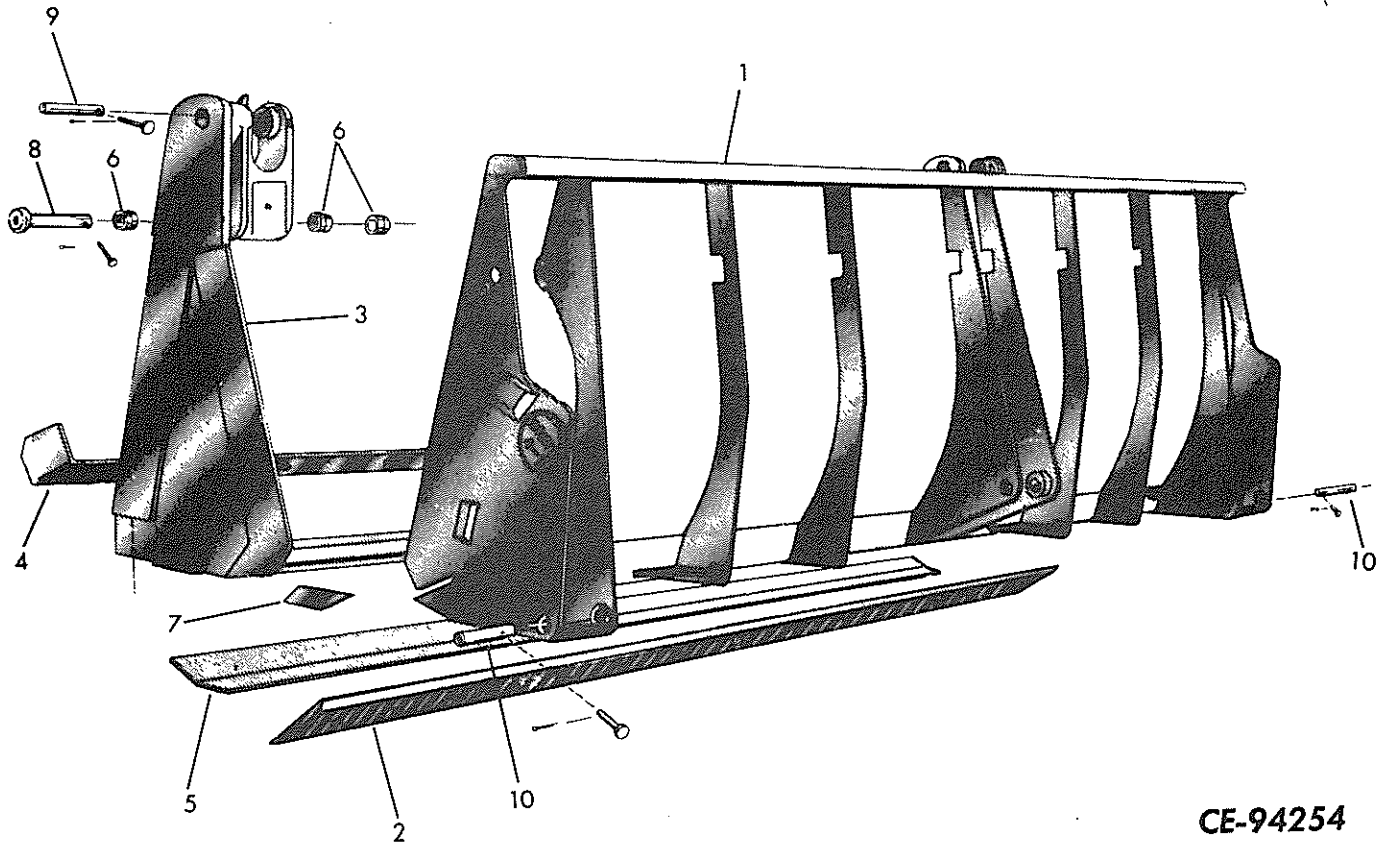
183 786 H1	KIT, fork lift (See NOTE 1) (Consists of the following parts -	183 787 H1	FORK LIFT w/CARRIER, 194 142 H1, and two FORK, 184 050 H1)
1	184 632 H1 BAR, pivot (2) 187 201 BOLT, 1/2"NC x 4-3/4" (2) 19 605 R1 NUT, 1/2"NC Esna (2)	194 142 H1	CARRIER (Composed of -
2	184 154 H1 CARRIER	2	BAR 184 632 H1
3	184 170 H1 SPACER (2)	2	BOLT 187 201
4	184 050 H1 FORK, 36" (2)	4	BOLT 181 431
5	184 168 H1 RACK (2) 181 431 BOLT, 1/2"NF x 1-1/2" (4) 103 323 WASHER, 1/2" lock (4) 103 028 NUT, 1/2"NF hex (4)	1	CARRIER 184 154 H1
		2	NUT 19 605 R1
		4	NUT 103 028
		2	RACK 184 168 H1
		4	WASHER 103 323)

NOTE 1: Order on Machine Order Form.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DROTT 4-IN-1 BUCKET KIT (Bucket Group)



CE-94254

		DROTT 4-in-1 BUCKET KIT (Less Teeth) (Consists of all parts listed under "Drott 4-in-1 Bucket Kit") (Order Multi-Purpose BUCKET KIT, 173 104 H3) (See NOTE)	6		BUSHING, 2"OD x 1-1/2"ID x 1" hardened steel (Order I.H. Part Number, 173 254 H1) (6)
			7	49 203	HOOK, grab (Weld On) (2)
1		BLADE w/cutting EDGE, 890 855 C1 (Order IH Part Number, 889 934 C1)	8		PIN, clam to plate (Order IH Part Number, 889 882 C1) (2)
2		EDGE, cutting 5/8 x 6 x 82" (Order IH Part Number 890 855C1)		4 627	PIN, 1/2 x 4" clevis (Order IH Part Number, 173 059 H1) (2)
		BOLT, 3/4 x 2"NC Plow No. 3 hd (Order I.H. Part Number, 292 845 R1) (12)	9		PIN, cylinder head (Order I.H. Part Number, 173 060 H1) (2)
		BOLT, 3/4 x 2-1/4"NC Plow No. hd (Order I.H. Part Number, 296 844 R1) (2)		4 627	PIN, 1/2 x 4" clevis (Order I.H. Part Number, 173 059 H1) (2)
3		CLAM (Includes items 4 thru 7) (Order I.H. Part Number, 890 856 C91)	10		PIN, cylinder base (Order IH Part Number, 889 883 C91) (2)
4	27 505	EDGE, 3/4 x 6 x 82-3/4" clam cutting (Weld On)		10 778	PIN, 1/2" clevis
5	48 636	PLATE, 3/8 x 6 x 82-1/4" clam compaction (Weld On)		4 626	PIN, 1/8 x 3/4" cotter (2)

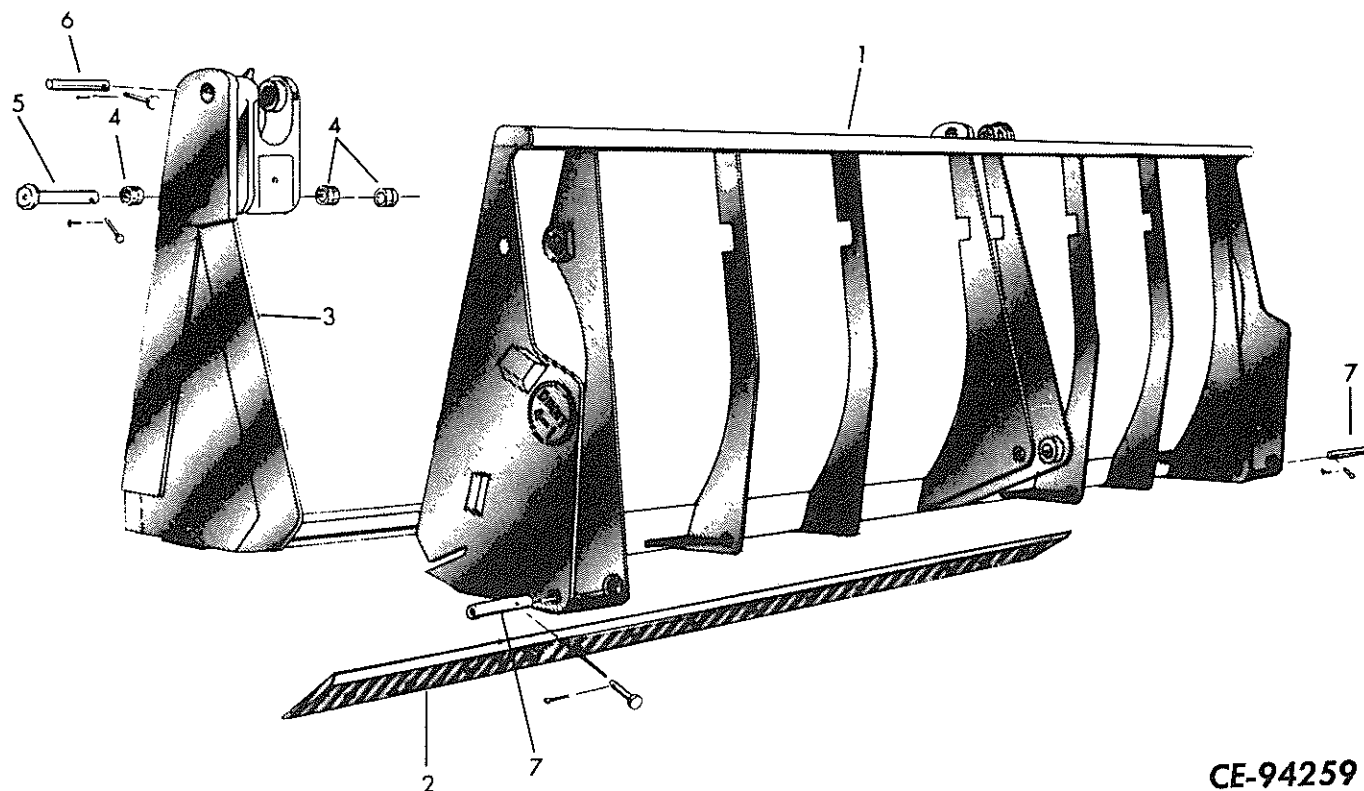
NOTE:

For Tooth Assemblies for use with this Bucket Kit, refer to "Bucket Teeth (Used for Multi-Purpose and Drott 4-in-1 Buckets Only)" in this section.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MULTI-PURPOSE BUCKET KIT (Bucket Group)



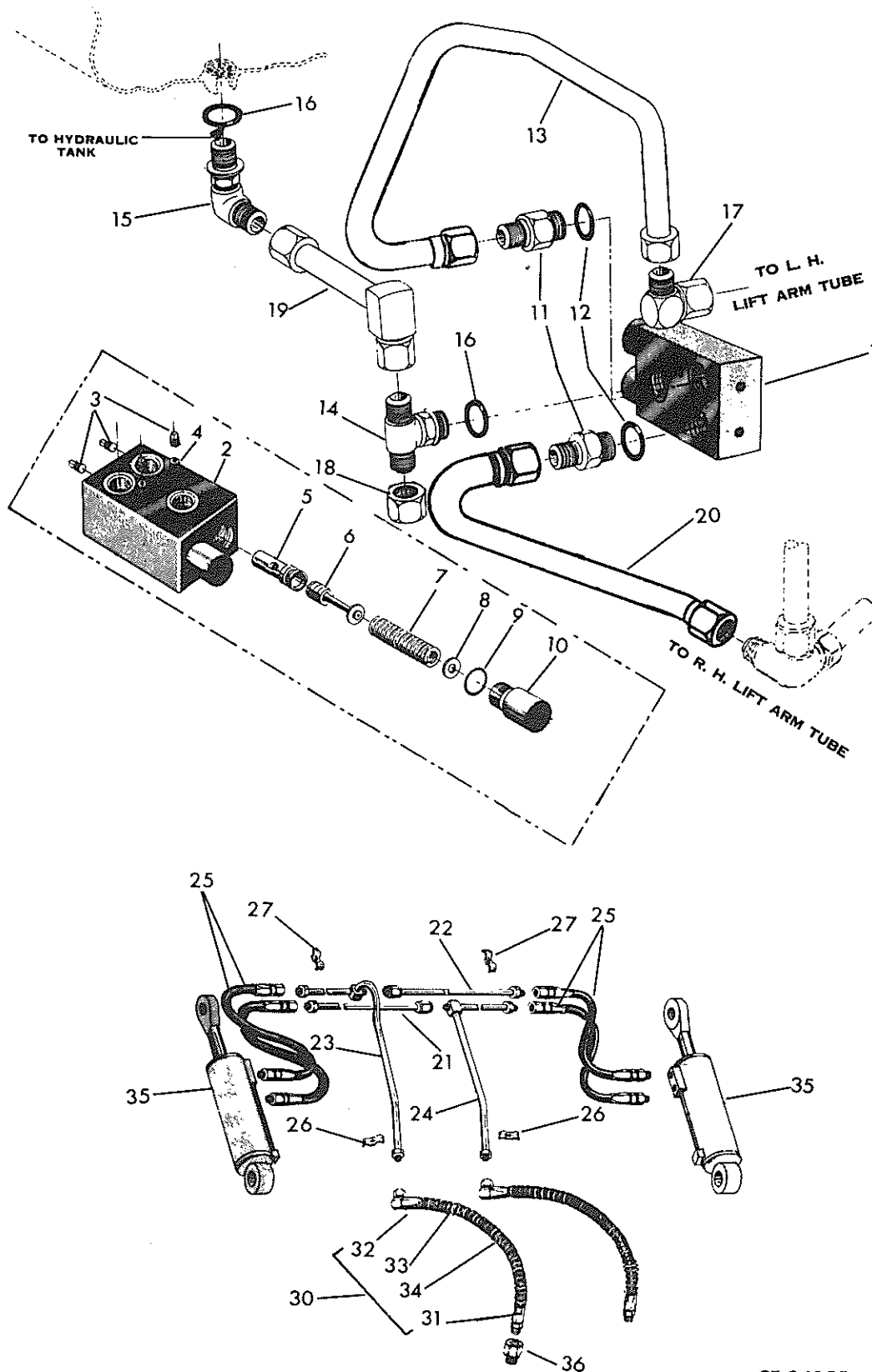
CE-94259

173 104 H3	MULTI-PURPOSE BUCKET KIT (Less Teeth) (Consists of all parts listed under "Multi-Purpose Bucket Kit") (See NOTE)	5	889 882 C1 21 969 R1 103 402	PIN (2) PIN, clevis (2) PIN, cotter (2)
1	889 934 C1 BLADE, w/cutting EDGE, 890 855 C1	6	173 060 H1 21 969 R1 103 402	PIN (2) PIN, clevis (2) PIN, cotter (2)
2	890 855 C1 EDGE, cutting 646 534 C1 BOLT, 3/4"NC x 2" plow (12) 296 844 R1 BOLT, 3/4"NC x 2-1/4" plow (2) 220 081 NUT, 3/4"NC hex (14)	7	889 883 C91 889 951 C1	PIN (2) DECAL, clean-out
3	890 856 C91 CLAM, w/six BUSHING, 173 254 H1			
4	173 254 H1 BUSHING (6)			

NOTE: For Tooth Assemblies for use with this Bucket Kit, refer to "Bucket Teeth (Used for Multi-Purpose and Drott 4-in-1 Buckets Only)" in this section.

ACCESSORIES & ATTACHMENTS

DROTT 4-IN-1 BUCKET KIT (Hydraulic Piping and Relief Valve Group) (For units with Relief Valve Mounted on PAYloader Frame)



CE-94255

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DROTT 4-IN-1 BUCKET KIT — Continued (Hydraulic Piping and Relief Valve Group) (For Units with Relief Valve Mounted on PAYloader Frame)			26		CLAMP, tube (Order I.H. Part Number, 16 110 H1) (2)
1	31 700	VALVE, relief (Includes items 2 thru 10)	27		CLAMP, tube (Order I.H. Part Number, 173 090 H1) (2)
2	31 698	BODY, relief valve	30	8 733	HOSE, complete (2)
3		PLUG, 1/8" pipe (Order I.H. Part Number, 173 083 H1) (4)	31	9 447	COUPLING, 1/2" straight reusable (2)
4	14 046	SET SCREW, cup point - Allen head (2)	32	15 087	COUPLING, 1/2" x 90° reusable (2)
5		SEAT, relief valve (Order I.H. Part Number, 107 904 H1) (2)	33	8 959	GUARD, hose spring (2)
6		PLUNGER, relief valve (Order I.H. Part Number, 107 905 H1) (2)	34	8 502	HOSE, 1/2 x 23" (2)
7		SPRING (Order I.H. Part Number, 166 092 H1) (2)	35		CYLINDER, clam (Order I.H. Part Number, 889 895 C91) (2)
8		PLUG, adjustment (Order I.H. Part Number, 166 093 H1) (x)	36	49 784	BUSHING, reducer (2)
9		"O" RING (Order I.H. Part Number 356 005 R1) (2)			DECAL, clean-daily (Order I.H. Part Number, 888 951 C1) (2)
10		CAP, relief valve (Order I.H. Part Number, 166 094 H1) (2)		31 872	DECAL, clam opening (Order I.H. Part Number, 889 920 C1)
11	7 981	FITTING, straight, w/"O" RING, 6 066 (2)			DECAL, tilt cylinder instructions
12	6 066	"O" RING (2)			
13	28 092	LINE, tube (Valve to auxiliary upper)			
14	15 125	FITTING, tee w/"O" RING, 6 065)			
15	7 949	FITTING, elbow w/"O" RING, 6 065)			
16	6 065	"O" RING (2)			
17	9 432	FITTING, 90° male - female (3)			
18	9 418	CAP, tee			
19	27 937	LINE, tube (Valve to tank)			
20		LINE, tube (Valve to auxiliary lower)			
21	27 932	LINE, tube (Moldboard cross lower)			
22	27 933	LINE, tube (Moldboard cross upper)			
23	27 930	LINE, tube (Upper cross to lift arm hose)			
24	27 931	LINE, tube (Lower cross to lift arm hose)			
25		HOSE, 1/2 x 20) female ends (Order I.H. Part Number, 889 089 C1) (4)			(x) - As Required.

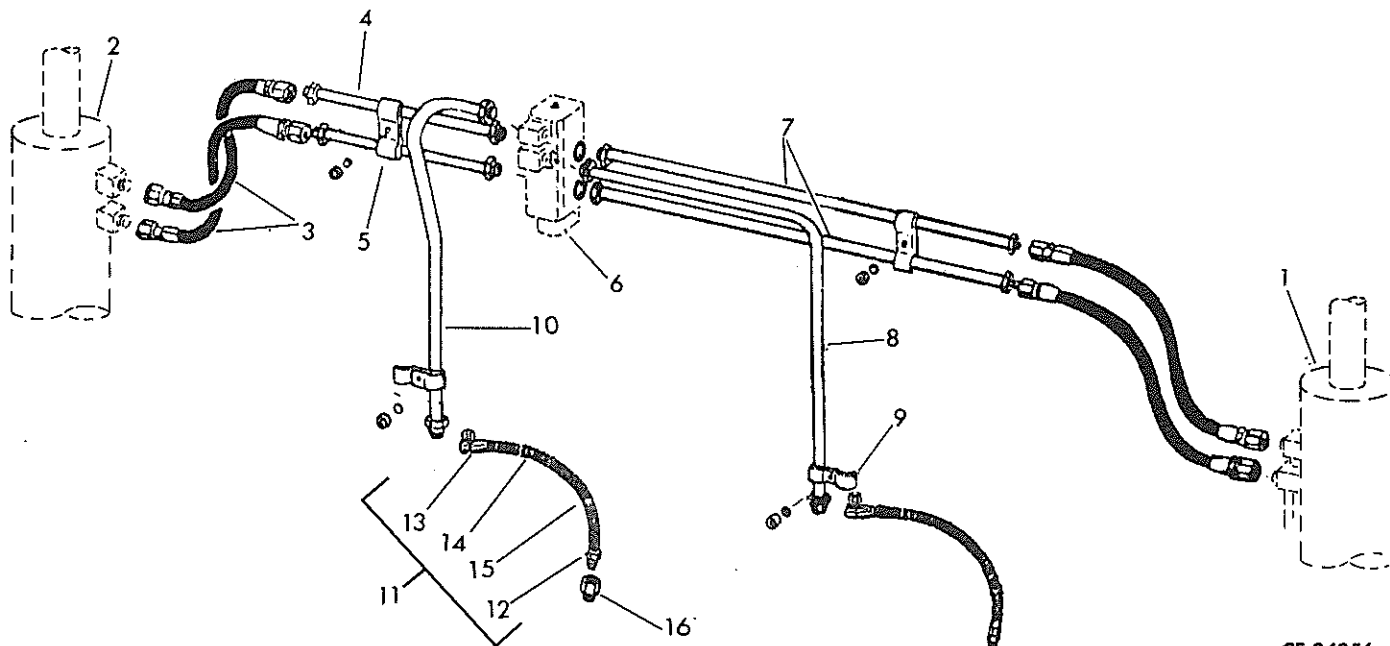
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DROTT 4-IN-1 BUCKET KIT

(Hydraulic Piping)

(For Units with Relief Valve Mounted on Back of Bucket)



CE-94256

1		CYLINDER, clam, RH (See "Drott 4-in-1 (Clam Cylinder)" in this section)	7		LINE, cross (Order I.H. Part Number, 889 891 C1) (2)
2		CYLINDER, clam, LH (See "Drott 4-in-1 (Clam Cylinder)" in this section)	8	37 870	LINE, RH
3	8 577	HOSE (4)	9		CLAMP (Order I.H. Part Number, 888 954 C1) (2)
4		LINE, cross (Order I.H. Part Number, 889 892 C1) (2)		4 397	WASHER, lock
5		CLAMP, (Order I.H. Part Number, 173 090 H1) (2)		4 222	NUT (2)
	4 397	WASHER, lock (2)	10	37 869	LINE, LH
	4 222	NUT (2)	11	8 733	HOSE, complete (2)
6		VALVE, relief (See "Drott 4-in-1 Bucket Kit (Relief Valve)" in this section)	12	9 447	COUPLING, reuseable (2)
			13	15 087	COUPLING, reuseable (2)
			14	8 963	GUARD, hose spring (2)
			15	28 462	HOSE (2)
			16	49 784	BUSHING, reducer (2)

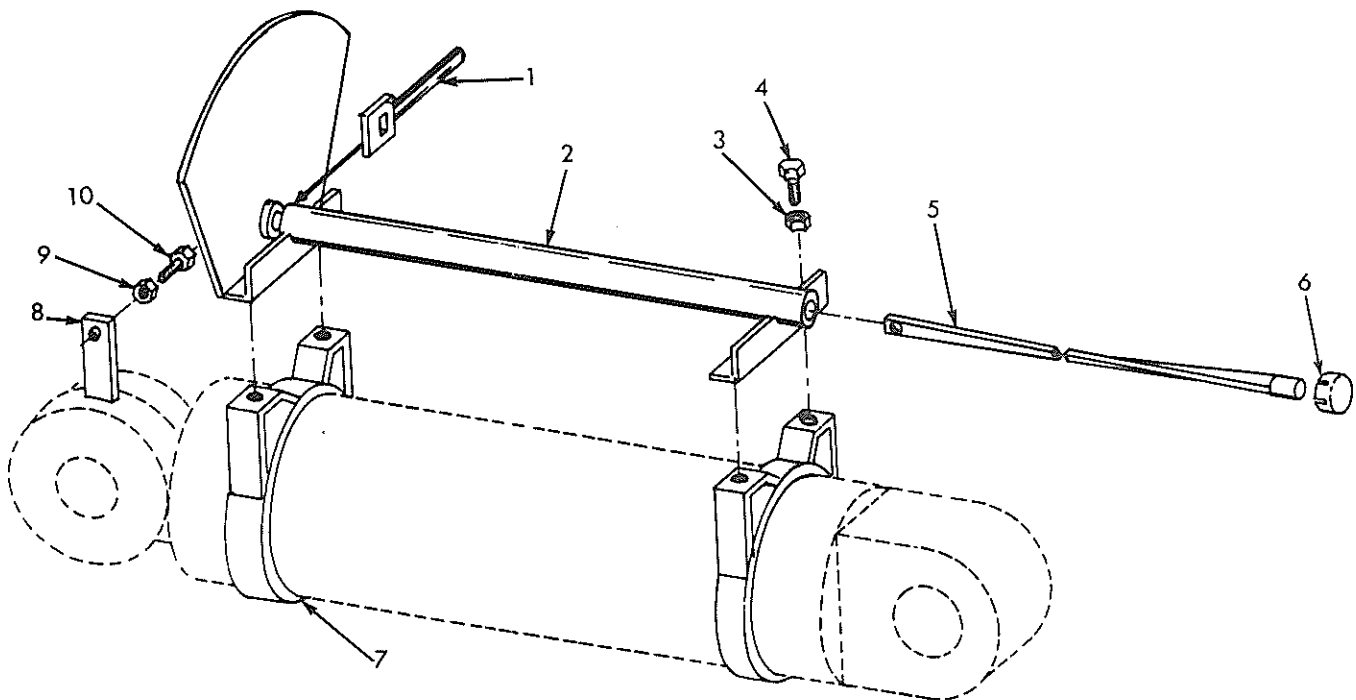
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DROTT 4-IN-1 BUCKET KIT (Clam Cylinder)					
					CE-94257
		CYLINDER, 4-in-1 clam, RH (Consists of items 1 thru 17) (Order IH Part Number, 889 895 C91)	6		PACKING, piston (Order IH Part Number, 890 027 C1) S/N 291 and up
38 611		CYLINDER, 4-in-1 clam, LH (Consists of items 1 thru 17)	7	46 850	PISTON S/N 1 thru 290
1		TUBE, cylinder (Order IH Part Number, 890 851 C1)	7		PISTON (Order I.H. Part Number, 890 023 C1) S/N 291 and up
2	17 161	NUT, 1-1/8"NF self-locking	8	10 923	WASHER, back-up
3	46 849	PISTON, w/"O" RING SEAT S/N 1 thru 290	9	6 165	"O" RING
3	28 097	PISTON, w/"O" RING SEAT S/N 291 and up	10	10 923	WASHER, back-up
4		RING, wear (Order IH Part Number, 890 022 C1) S/N 291 and up	11	6 327	"O" RING
5		"O" RING (Order IH Part Number, 356 005 R1)	12		HEAD, cylinder (Order I.H. Part Number, 3 001 922 R1)
6	26 554	PACKING, piston S/N 1 thru 290	13		RING, wiper (Order IH Part Number, 3 001 936 R1)

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DROTT 4-IN-1 BUCKET KIT — Continued (Clam Cylinder)			15	12 031	FITTING, grease
			16		BUSHING (Order IH Part Number, 173 073 H1)
14		ROD, piston (With BUSHING, 173 073 H1 and CYLINDER, 889 895 C91) (Order I.H. Part Number, 890 849 C91)	17	46 820	BUSHING, hardened steel (Used on Early Model Cylinder only) (4)
14	2 830	ROD, piston (With BUSHING, 173 073 H1 and w/Drott Part Number, 38 611)			

DROTT 4-IN-1 BUCKET KIT (Indicator Group)



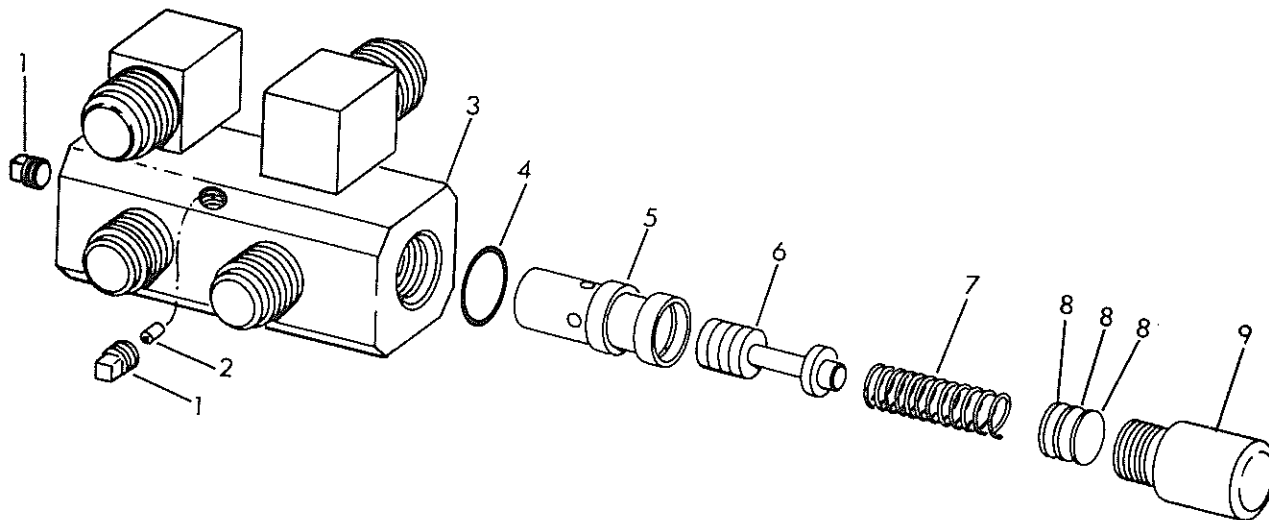
CE-92283

		INDICATOR, 4-in-1 (Consists of items 1 thru 5 and 7 thru 10) (Order INDICATOR ASSY., 889 919 C91)	6		CAP (Order CAP, 877 950 C1)
			7	75 602	CLAMP (2)
			8		HOLDER (Order HOLDER, 889 917 C1)
1		POINTER (Order POINTER, 888 929 C1)	9	17 165	NUT, 1/4"NC
2	37 765	INDICATOR	10	2 351	BOLT, 1/4"NC x 1"
3	17 169	NUT, 5/16"NC (4)		38 600	PLATE, tilt cylinder
4	2 375	BOLT, 5/16"NC x 3/4" (4)		63 806	SCREW, No. 8-1/2" LG (5)
5		BAR, indicator (Order BAR, 889 914 C1)		64 502	NUT, No. 8 self-locking

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DROTT 4-IN-1 BUCKET KIT (Relief Valve)



CE-94258

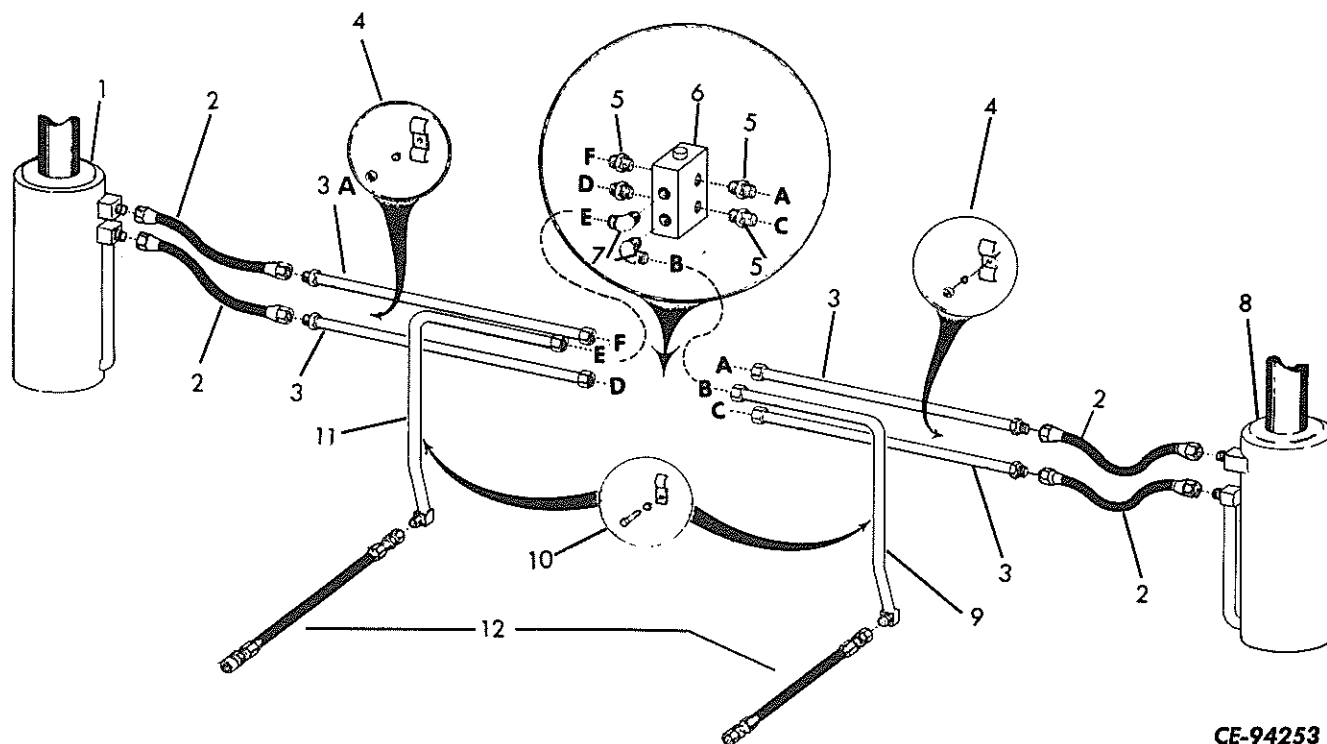
	205 390	VALVE, relief (Consists of items 1 thru 9)	6	PLUNGER (Order IH Part Number, 107 905 H1)
1	15 161	PLUG, 1/8"NPT pipe (2)	7	SPRING (Order IH Part Number, 166 092 H1)
2	13 475	SCREW, 5/16 x 3/8"NC set	8	PLUG, 3/4" dia. x 1/32" adjustment (Order IH Part Number, 166 093 H1) (x)
3	205 391	BODY	9	CAP (Order IH Part Number, 166 094 H1)
4		"O" RING (Order IH Part Number, 3 560 005 R1)		
5		SEAT (Order IH Part Number, 107 904 H1)		

(x) - As Required.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MULTI-PURPOSE BUCKET KIT (Hydraulic Piping Group)



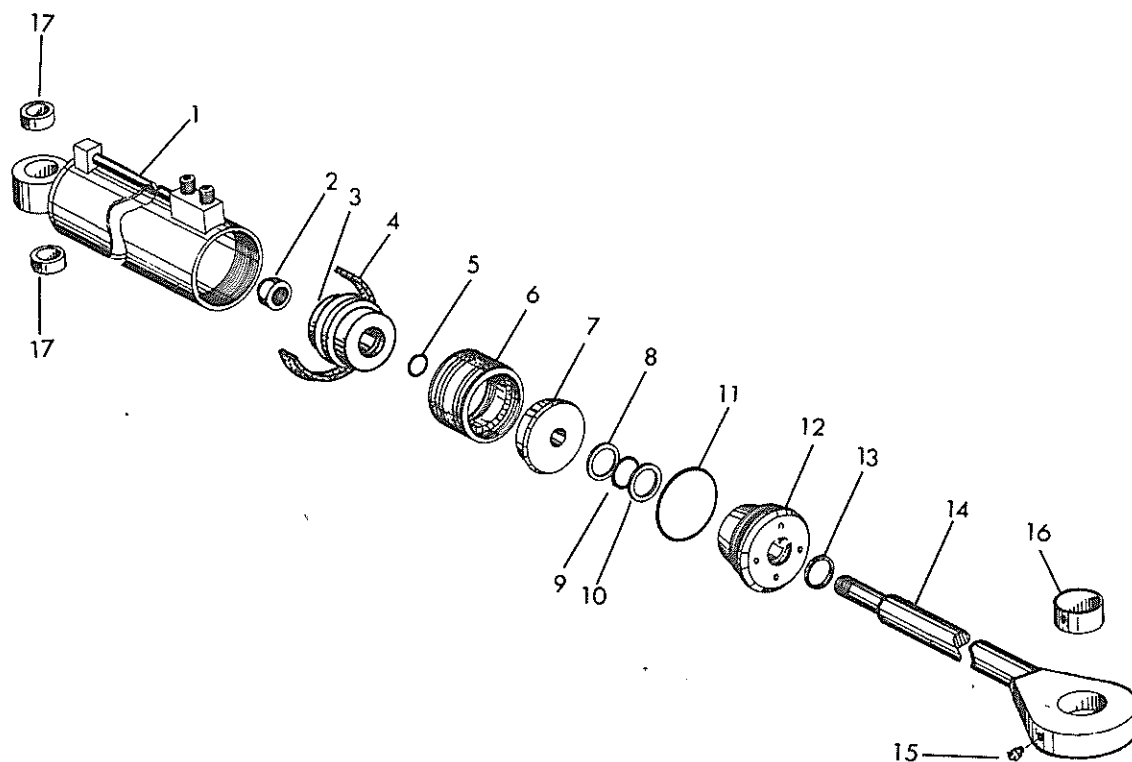
CE-94253

1		CYLINDER, clam, LH (See "Multi-Purpose Bucket Kit (Clam Cylinder)" in this section)	8		CYLINDER, clam, RH (See "Multi-Purpose Bucket Kit (Clam Cylinder)" in this section).
2	889 089 C1	HOSE (4)	9	889 893 C1	TUBE
3	889 891 C1	TUBE (2)	10	888 954 C1 103 321 120 369	CLAMP (2) WASHER, 3/8" lock (2) NUT, 3/8" hex (2)
3A	889 892 C1	TUBE (2)	11	889 894 C1	TUBE
4	888 953 C1 103 321 120 369	CLAMP (2) WASHER, 3/8" lock (2) NUT, 3/8" hex (2)	12	889 876 C1	HOSE
5	9 402 710	ADAPTER (4)			
6	889 970 C91	VALVE, relief complete (Fluid Control, ILX-P552-001C)			
7	343 805 R1	ELBOW, 90° (2)			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MULTI-PURPOSE BUCKET KIT (Clam Cylinder)



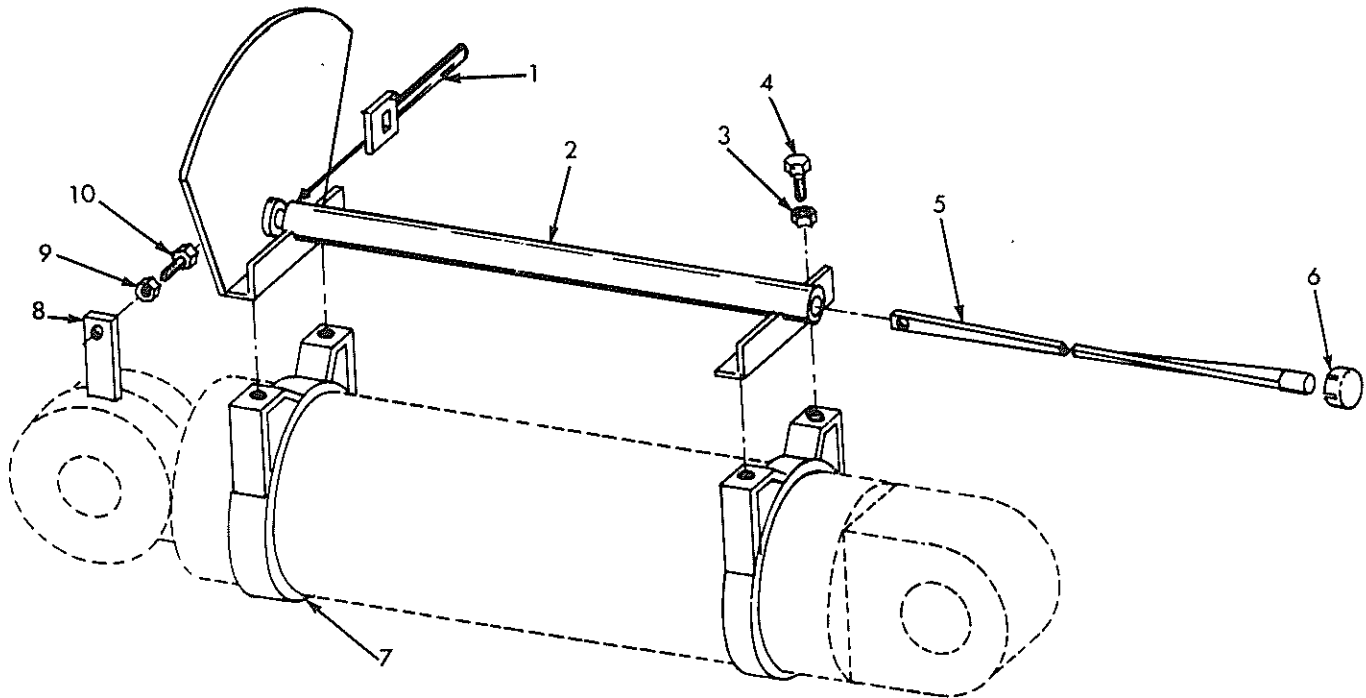
CE-94257

	889 895 C92	CYLINDER (2)	10	890 020 C1	WASHER, back-up
1	890 851 C2	TUBE, cylinder	11	285 724 R1	"O" RING
2	656 071 R1	NUT, 1-1/8"NF	12	891 529 C1	HEAD, cylinder
3	890 024 C1	PISTON	13	3 001 936 R1	SEAL
4	890 022 C1	RING, wear	14	890 849 C91	ROD, piston
5	254 954 R1	"O" RING	15	109 461	FITTING, grease
6	890 027 C1	PACKING	16	173 073 H1	BUSHING
7	890 023 C1	SPACER, piston (2)	17		NOT USED
8	890 020 C1	WASHER, back-up		889 920 C2	DECAL, clam opening
9	22 288 R1	"O" RING			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MULTI-PURPOSE BUCKET KIT (Indicator Group)



CE-92283

	889 919 C91	INDICATOR, assembly (Consists of items 1 thru 5 and 7 thru 10)	6	877 950 C1	CAP
1	888 929 C1	POINTER	7	112 329 H1	CLAMP (2)
2	889 918 C1	INDICATOR	8	889 917 C1	HOLDER
3	19 277 R1	NUT, 5/16"NC lock (4)	9	19 592 R1	NUT, 1/4"NC lock
4	179 816	BOLT, 5/16"NC x 3/4" (4)	10	179 797	BOLT, 1/4"NC x 1"
5	889 914 C1	BAR, indicator		888 952 C2	DECAL, indicator
				FGH-11229	INSTALLATION (Bucket Indicator)

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC ADAPTER KIT (Used on Drott 4-In-1 Buckets, Multi-Purpose Bucket Kits and Logger Attachment)					
165 120 H1	KIT, hydraulic adapter (Consists of the following parts, also refer to "Valve Control Linkage - Hydraulic Adapter Kit")		10	933 514 C1	TUBE ASSY., LH (Used on units equipped w/Hydraulic Kit for 8-1/2 ft. High Lift Boom)
1	VALVE, control (Refer to "Three Spool Control Valve - Hydraulic Adapter Kit")		11	143 685 H1	SWIVEL (Order SWIVEL, 143 685 H2) (Consists of - § 1 CAP 2 "O" RING 252 483 R1 2 "O" RING 350 818 R1 1 SCREW 179 791 § 1 SLEEVE § 1 STEM 2 WASHER 166 303 H1
2	LEVER, bucket (Refer to "Valve Control Linkage - Hydraulic Adapter Kit")			252 483 R1	"O" RING (2)
3	LEVER, boom (Refer to "Valve Control Linkage - Hydraulic Adapter Kit")			350 818 R1	"O" RING (2)
4	368 269 R1	"O" RING (2)		179 791	SCREW, 1/4"NC x 1/2" hex
5	9 410 205	ADAPTER (2)		166 303 H1	WASHER (2)
6	208 511 H2	TUBE ASSY., RH	11	143 685 H2	SWIVEL (2) (Consists of - 1 CAP 925 758 C1 1 RING, snap * 2 SEAL, external * grit * 1 SEAL, internal * grit * 2 SEAL, internal * pressure * § 1 SLEEVE § 1 STEM 2 WASHER, backup * CAP KIT, repair
7	208 510 H2	TUBE ASSY., LH		925 758 C1	
8	165 082 H2	TUBE ASSY., LH		925 759 C91	
9	165 529 H1	HOSE ASSY. (2)			
10	165 083 H1	TUBE ASSY. (Not used on units equipped with Hydraulic Kit for 8-1/2 ft. High Lift Boom) (2)			
10	933 513 C1	TUBE ASSY., RH (Used on units equipped w/Hydraulic Kit for 8-1/2 ft. High Lift Boom)			

* - Part of KIT, 925 759 C91.
§ - Not Furnished Separately.

ACCESSORIES & ATTACHMENTS

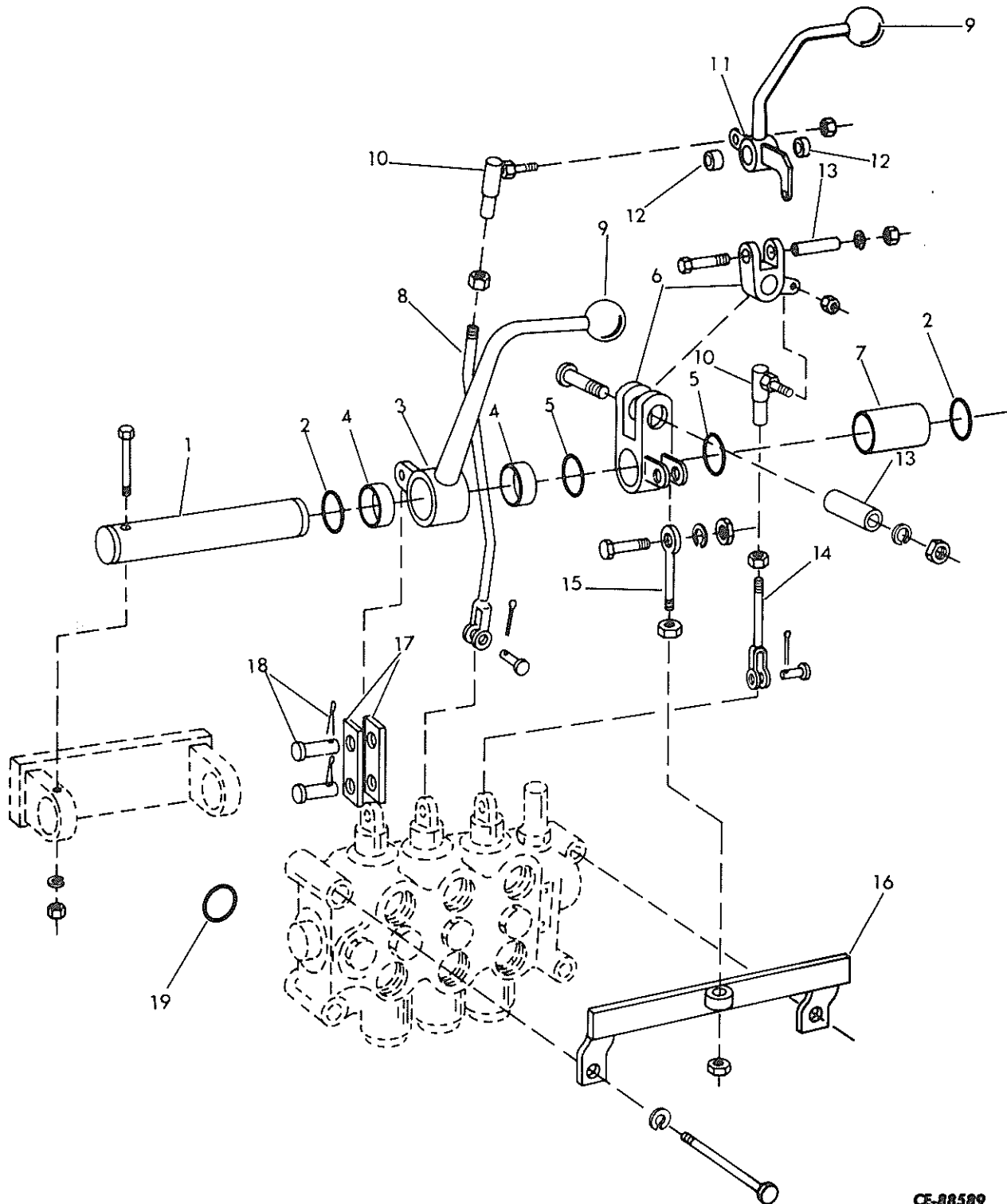
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC ADAPTER KIT — Continued (Used on Drott 4-In-1 Buckets, Multi-Purpose Bucket Kits and Logger Attachment)					
12	135 096 H1	CLAMP (6)			
	25 806 R1	SCREW, 1/2"NF x 3/4" hex (6)			
	25 546 R1	WASHER, 1/2" flat (6)			
	120 384	WASHER, 1/2" lock (6)			
13	105 425 H1	"U" BOLT (2)			
	25 544 R1	WASHER, 3/8" flat (4)			
	102 635	NUT, 3/8"NC hex (4)			
14		BOOM (Refer to "Boom, Bucket and Linkage")			
	20 969 R1	PLUG, 3/4" pipe (Furnished with Machine less Bucket)			
	368 269 R1	"O" RING (Bucket, Boom and Inlet Parts) (5)			
	174 771 H1	BOSS (6)			
	165 422 H1	DRAWING, lever installation			
	FGH-12237	DRAWING, frame rework			
	FGH-12238	DRAWING, boom rework			
	165 118 H1	DRAWING, hydraulic line installation (Used on units equipped w/front mounted attachment)			
	FGH-14394	DRAWING, hydraulic line installation (Used on units equipped with Hydraulic Kit for 8-1/2-ft. high Lift)			

ACCESSORIES & ATTACHMENTS

MEMORANDA

ACCESSORIES & ATTACHMENTS

HYDRAULIC ADAPTER KIT (Valve Control Linkage) (For units equipped with Front Mounted Hydraulic Attachment)



CE-88589

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC ADAPTER KIT — Continued (Valve Control Linkage) (For units equipped with Front Mounted Hydraulic Attachments)			18	114 784	PIN ASSEMBLY (*) (4)
VALVE CONTROL LINKAGE			19	356 005 R1	"O" RING, valve (*)
				444 687	PLUG, 1/8" pipe
				109 462	FITTING, grease
				109 461	FITTING, grease (2)
1	161 632 H1 179 827 103 320 103 025	PIN, control mounting (*) SCREW, 5/16"NC x 2-1/4" cap (Pin to bracket) (*) WASHER, 5/16" lock (Pin to bracket) (*) NUT, 5/16"NF hex (Pin to bracket) (*)			
2	307 915 R1	"O" RING (*) (2)			
3	158 039 H2	LEVER, boom (*)			
4	144 244 H1	BUSHING (*) (2)			
5	293 739 R1	"O" RING (*) (2)			
6	118 825 H1 271 591 103 325 103 030	SWIVEL (2) SCREW, 5/8"NF x 3" cap (Swivel) (2) WASHER, 5/8" lock (Swivel) (2) NUT, 5/8"NF hex (Swivel) (2)			
7	161 611 H1	SPACER, valve levers (*)			
8	165 097 H1	CLEVIS			
9	HL-3343	KNOB (*) (2)			
10	310 673 R91 114 493 103 025 120 214	BALL JOINT (2) NUT, 5/16"NF jam (Ball joint) (2) NUT, 5/16"NF hex (Ball joint to swivel) (2) WASHER, 5/16" lock (2)			
11	167 834 H4	LEVER, bucket			
12	144 244 H1	BUSHING (2)			
13	101 572 H1	SPACER, swivel (2)			
14	165 096 H1	CLEVIS			
15	165 311 H1 181 343 19 503 R1 114 493	ROD END, (Swivel to check plate) SCREW, 5/16"NF x 1-1/2" cap (Rod end) NUT, 5/16"NF-24 Esna (Rod end) NUT, 5/16"NF jam (Rod end) (2)			
16	165 116 H2 186 310 103 321	PLATE, check - Bucket lever SCREW, 3/8"NF x 3-1/2" cap (Valve and check plate) (*) (4) WASHER, 3/8" lock (Valve and check plate) (*) (4)			
17	158 042 H1	LINK, boom lever to valve (*) (2)			

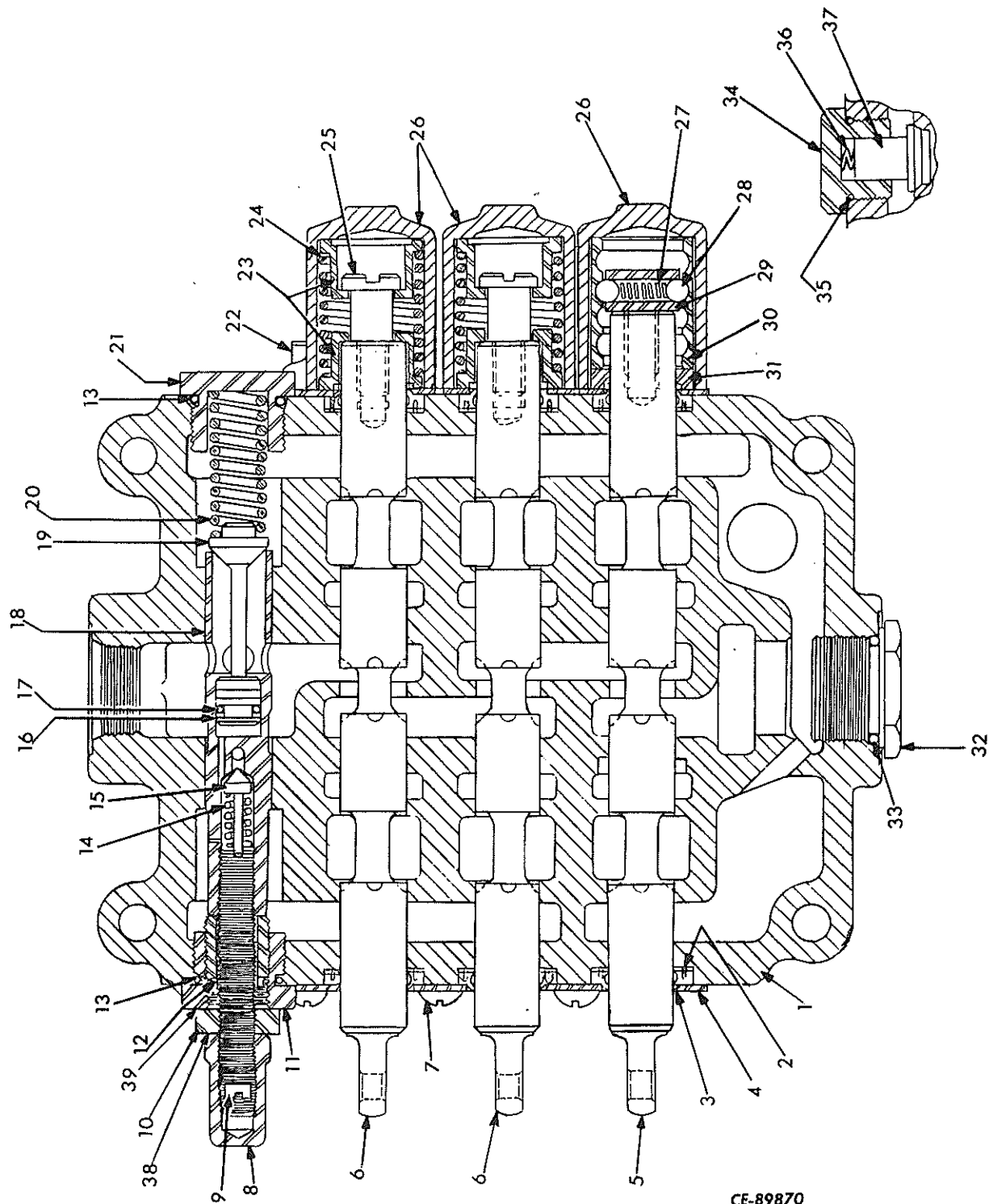
(*) - Part of original installation, not included in Adapter Kit.

ACCESSORIES & ATTACHMENTS

HYDRAULIC ADAPTER KIT

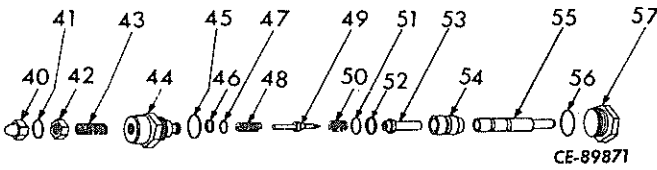
Three Spool Valve

(Used on units equipped with Front Mounted Hydraulic Attachments)



CE-89870

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC ADAPTER KIT — Continued					
Three Spool Valve					
(Used on units equipped with Front Mounted Hydraulic Attachments)					
	163 413 H1	VALVE, control (Husco 3303-29) (Order VALVE, 876 758 C92)	26	310 825 R1	CAP, plunger (3)
	163 413 H2	VALVE, control (Husco 3303-29H) (Order VALVE, 876 758 C92)	27	148 596 H1	SPRING, detent
1		HOUSING (Not furnished separately)	28	16 008 R1	BALL, detent (2)
2	148 609 H1	RING, seal support (6)	29	158 508 H1	PIN, detent
3	310 796 R1	OIL SEAL and WIPER (6)	30	148 594 H1	SLEEVE, detent
4	310 798 R2	PLATE, seal (6)	31	148 593 H1	SPACER, detent
5		PLUNGER, double acting float (Not furnished separately)	32	310 850 R1	PLUG
6		PLUNGER, double acting (2)	33	247 459 R1	"O" RING
7	113 954	SCREW, machine (6)	34	310 821 R1	PLUG, check valve (4)
8	310 818 R1	NUT	35	364 885 R1	"O" RING (4)
9	310 816 R1	SCREW, relief valve adjusting	36	310 820 R1	SPRING, check valve (4)
10	310 817 R1	NUT, lock	37	310 819 R1	POPPET, check valve (4)
11	310 815 R1	PLUG, relief valve pilot	38	175 684 H1	WASHER
12	310 814 R1	PLUG, adjusting	39	175 683 H1	WASHER
13	368 269 R1	"O" RING (2)	NOTE: To convert Double Adjustment Valve to Single Adjustment, order RELIEF VALVE CARTRIDGE, 876 438 C91.		
14	310 813 R1	SPRING, relief valve pilot			
14	221 000 H1	SPRING, relief valve pilot (Used on VALVE, 163 413 H2)			
15	310 812 R1	POPPET, pilot relief			
15	221 471 H1	POPPET, pilot relief (Used on VALVE, 163 413 H2)	876 438 C91	RELIEF VALVE CARTRIDGE (Single Adjustment) (Includes items 40 thru 57) (Replaces items 8 thru 21)	
16	310 811 R1	RING, back-up	40	131 486	NUT, acorn
17	355 967 R1	"O" RING	41	195 949 H1	WASHER (2)
18	310 809 R1	SLEEVE, relief valve	42	114 494	NUT, jam
19	310 810 R1	POPPET, relief pilot	43	220 460 H1	SCREW, adjusting
20	310 808 R1	SPRING, relief valve poppet	44	615 011 C1	PLUG
21	310 807 R1	PLUG, relief valve	45	368 269 R1	"O" RING
22	217 904	SCREW, cap (6)	46	890 496 C1	RING, back-up (Replaces 613 992 C1)
23	310 822 R1	SEAT, spring (4)	47	375 271 R1	"O" RING
24	310 823 R1	SPRING, plunger (2)			
25	310 824 R1	SCREW, cap (2)			

ACCESSORIES & ATTACHMENTS

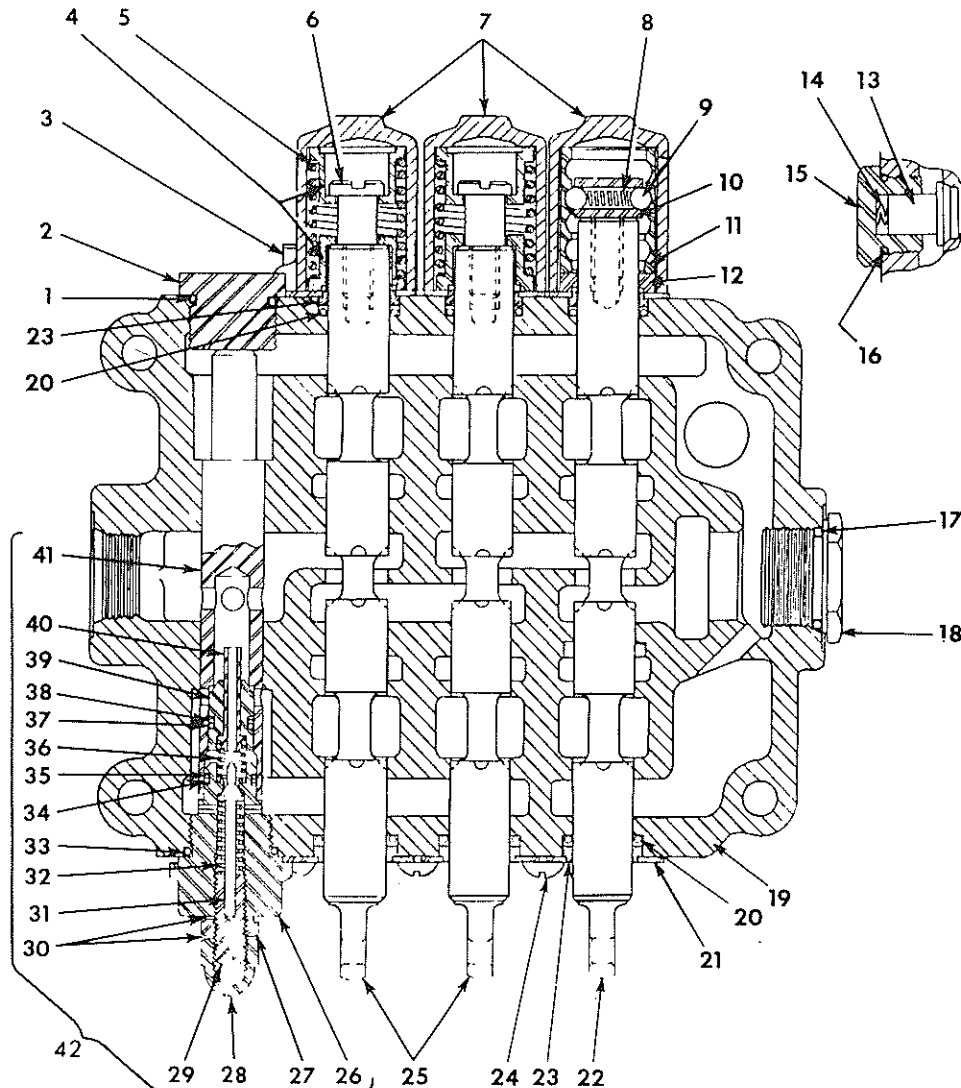
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC ADAPTER KIT – Continued					
Three Spool Valve					
(Used on units equipped with Front Mounted Hydraulic Attachments)					
48	195 953 H1	SPRING	52	195 958 C1	RING, back-up
49	195 951 H1	POPPET	53	195 957 H1	PISTON
50	195 952 H1	SPRING	54	195 956 H1	POPPET
51	615 002 C1	"O" RING	55	615 009 C1	SLEEVE
			56	368 269 R1	"O" RING
			57	148 603 H1	PLUG

4

HYDRAULIC ADAPTER KIT

Three Spool Valve

(Used on units equipped with Front Mounted Hydraulic Attachments)



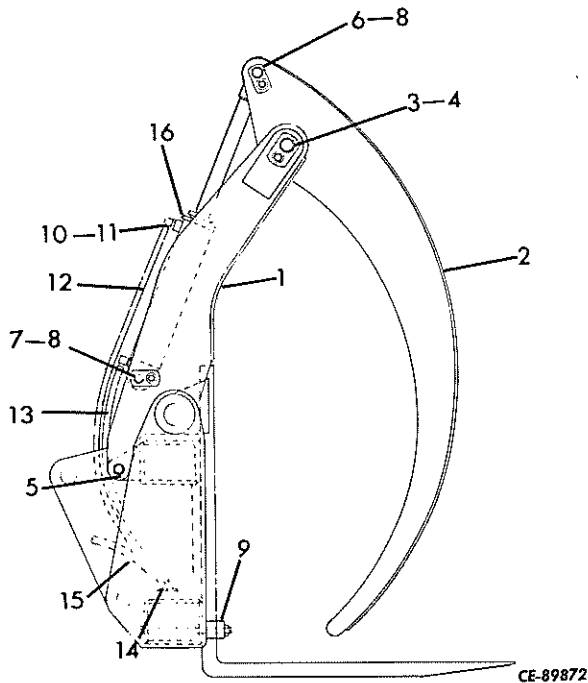
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ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC ADAPTER KIT — Continued Three Spool Valve (Used on units equipped with Front Mounted Hydraulic Attachments)			30	347 391 C1	WASHER (2)
	876 758 C92	VALVE, control (Husco 3303-70C)	31	613 996 C1	POPPET
1	368 269 R1	"O" RING	32	615 001 C1	SPRING
2	148 603 H1	PLUG	33	368 269 R1	"O" RING
3	217 904	SCREW, cap (6)	34	890 496 C1	RING, back-up
4	310 822 R1	SEAT, spring (4)	35	375 271 R1	"O" RING
5	310 823 R1	SPRING, plunger (2)	36	939 255 C1	SPRING
6	310 824 R1	SCREW, cap (2)	37	615 002 C1	"O" RING
7	310 825 R1	CAP, plunger (3)	38	890 495 C1	RING, back-up
8	148 596 H1	SPRING, detent	39	615 003 C1	POPPET
9	16 008 R1	BALL, detent (2)	40	613 997 C1	PISTON
10	158 508 H1	PIN, detent	41	615 009 C1	SLEEVE
11	148 594 H1	SLEEVE, detent	42	876 817 C91	CARTRIDGE, valve relief (Order CARTRIDGE, 924 285 C91)
12	148 593 H1	SPACER, detent	42	924 285 C92	CARTRIDGE, valve relief
13	310 819 R1	POPPET (4)			
14	310 820 R1	SPRING, check valve (4)			
15	310 821 R1	PLUG, check valve (4)			
16	364 885 R1	"O" RING (4)			
17	297 459 R1	"O" RING			
18	310 850 R1	PLUG			
19		HOUSING, valve (Not furnished separately)			
20	876 067 C1	"O" RING (6)			
21	310 798 R2	PLATE, seal (6)			
22		PLUNGER (Not furnished separately)			
23	202 138 H1	WIPER (6)			
24	113 954	SCREW, machine (6)			
25		PLUNGER (Not furnished separately) (2)			
26	615 011 C1	PLUG			
27	114 494	NUT, jam			
28	131 486	NUT, acorn			
29	613 998 C1	SCREW, adjusting			

ACCESSORIES & ATTACHMENTS

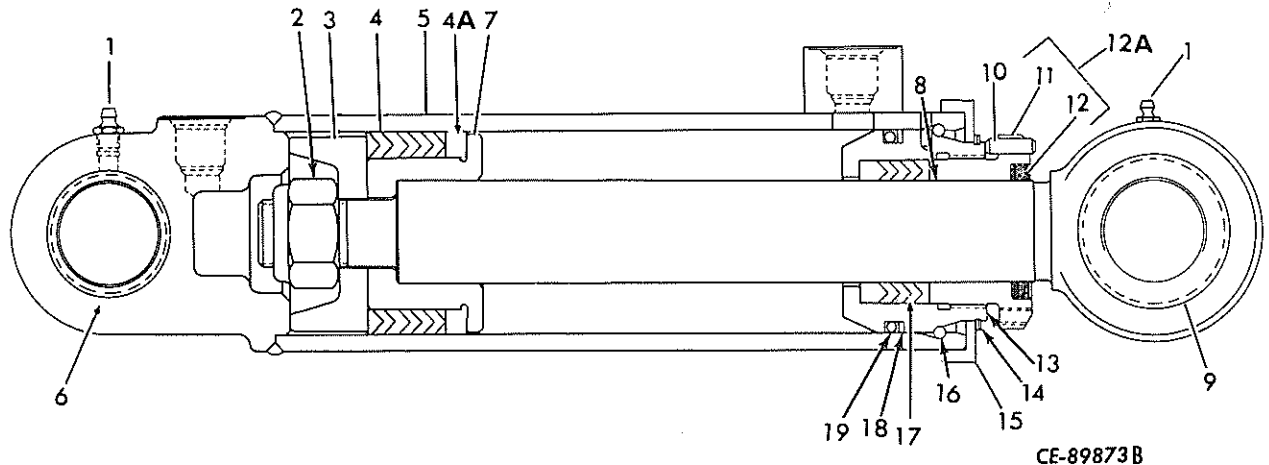
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GRAB ARM ATTACHMENT (Structural Group)			7	172 961 H1	PIN, cylinder lower pivot (2)
				181 426	SCREW, 1/2"NF x 7/8" cap (Pin to Grab Arm Pivot) (2)
				106 265	WASHER, 1/2" flat (Pin to Grab Arm Pivot) (2)
				103 323	WASHER, 1/2" lock (Pin to Grab Arm Pivot) (2)
			8	160 529 H1	RING, cord (8)
			9	188 706 H1	STRAP, fork stop (2)
				25 703 R1	SCREW, cap (Strap to Carrier) (4)
				188 705 H1	BOSS, fork stop (Strap to Carrier) (4)
				19 766 R1	NUT, 3/4"NC-10 Esna (Strap to carrier) (4)
			10	364 885 R1	"O" RING (4)
			11	9 410 978	ELBOW, 90° - Adjust JIC (4)
			12	188 694 H1	HOSE (2)
			13	188 693 H1	HOSE (2)
			14	188 690 H1	TUBE, carrier cross (2)
			14	188 691 H1	TUBE, carrier cross (2)
				168 090 H1	"U" BOLT (6)
				103 319	WASHER, 1/4" lock (12)
				109 084	NUT, 1/4"NC hex (12)
			15	188 692 H1	HOSE, cross tube to boom tube (2)
				161 573 H1	CAP (2)
			16		CYLINDER, grab arm (See Break-down) (Ref)
	191 800 H1	KIT, fork lift grab arm attachment			
	189 077 H1	DRAWING, installation			
	190 578 H1	DRAWING, hydraulic installation			
1	188 681 H1	PIVOT, RH grab arm			
1	188 682 H1	PIVOT, LH grab arm			
2	188 667 H1	GRAB ARM, RH			
2	188 668 H1	GRAB ARM, LH			
	148 059 H1	BUSHING (4)			
	109 461	FITTING, grease (2)			
3	188 689 H1	PIN, grab arm pivot (2)			
	181 426	SCREW, 1/2"NF x 7/8" cap (Pin to Grab Arm) (2)			
	106 265	WASHER, 1/2" flat (Pin to Grab Arm) (2)			
	103 323	WASHER, 1/2" lock (Pin to Grab Arm) (2)			
4	160 529 H1	RING, cord (4)			
5	188 687 H1	PIN, grab arm pivot to carrier (2)			
	109 205 H1	WASHER (4)			
	137 474 H1	PIN, roll (4)			
6	157 509 H1	PIN, cylinder upper pivot (2)			
	181 426	SCREW, 1/2"NF x 7/8" cap (Pin to Grab Arm) (2)			
	106 265	WASHER, 1/2" flat (Pin to Grab Arm) (2)			
	103 323	WASHER, 1/2" lock (Pin to Grab Arm) (2)			



ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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GRAB ARM ATTACHMENT (Cylinder)

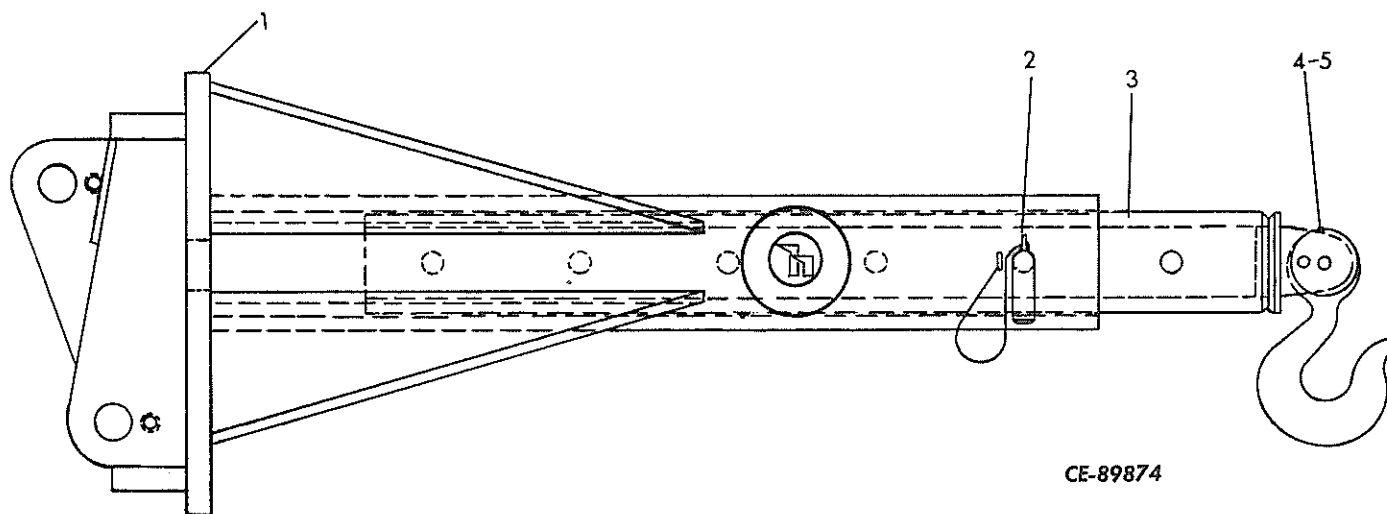


	188 695 H4	CYLINDER, grab arm attachment (2)	12	172 240 H1	SEAL, wiper (Used with PACKING NUT, 196 003 H1 only)
1	109 461	FITTING, grease (2)	12	881 561 C91	SEAL, wiper (Used with PACKING NUT ASSY., 881 562 C11 only)
2	18 462 R1	NUT, Esna - 1NF - 14	12A	196 004 H1	PACKING NUT w/SEAL, 172 240 H1 (Order PACKING NUT ASSY., 881 562 C11)
3	144 238 H1	PISTON HALF	12A	881 562 C11	PACKING NUT w/SEAL, 881 561 C91 (Will work for PACKING NUT ASSY., 196 004 H1)
4	144 236 H2	PACKING, piston (Order PACKING, 883 142 C1 and WASHER, 882 386 C1)	13	125 283 H1	GLAND, cylinder
4	883 142 C1	PACKING, piston (Together with one WASHER, 882 386 C1, will work for PISTON PACKING, 144 236 H2)	14	125 279 H1	RING, retaining
4A	882 386 C1	WASHER, piston packing (Use w/PISTON PACKING, 883 142 C1 only)	15	125 416 H1	CAP
5	188 700 H1	CYLINDER w/BUSHING, 158 842 H1	16	125 280 H1	RING, lock (2)
6	158 842 H1	BUSHING	17	124 318 H3	PACKING, rod
7	144 237 H1	PISTON HALF	18	143 368 H1	WASHER, back-up
8	188 697 H2	ROD, piston w/BUSHING, 158 842 H1	19	381 871 R1	"O" RING
9	158 842 H1	BUSHING			
10	174 304 H1	SETSCREW (3)			
11	196 003 H1	NUT, packing (Order PACKING NUT ASSY., 881 562 C11)			

ACCESSORIES & ATTACHMENTS

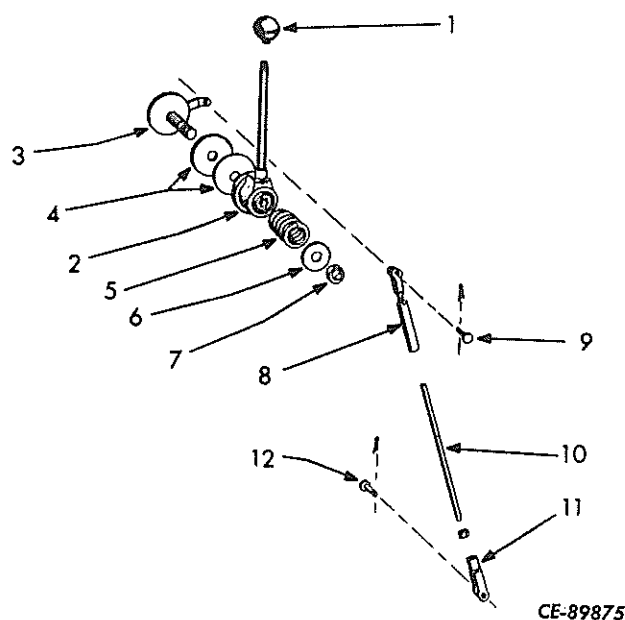
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CRANE BOOM



172 044 H1	KIT, crane boom (See NOTE 1) (Consists of the following parts -	5	132 282 H1	HOOK, hoist
172 045 H1	CRANE BOOM, complete		108 560	PIN, 7/32 x 1-1/2" cotter
1	172 046 H1	BASE, crane boom	179 817	SCREW, 5/16"NC x 7/8" cap
2	133 588 H1	PIN w/CHAIN	134 455 H2	DECAL (2)
3	133 590 H1	EXTENSION, tube	173 654 H1	DRAWING, crane boom layout (Ref.)
4	132 276 H1	PIN, hook	NOTE 1 — Order on MACHINE ORDER FORM.	

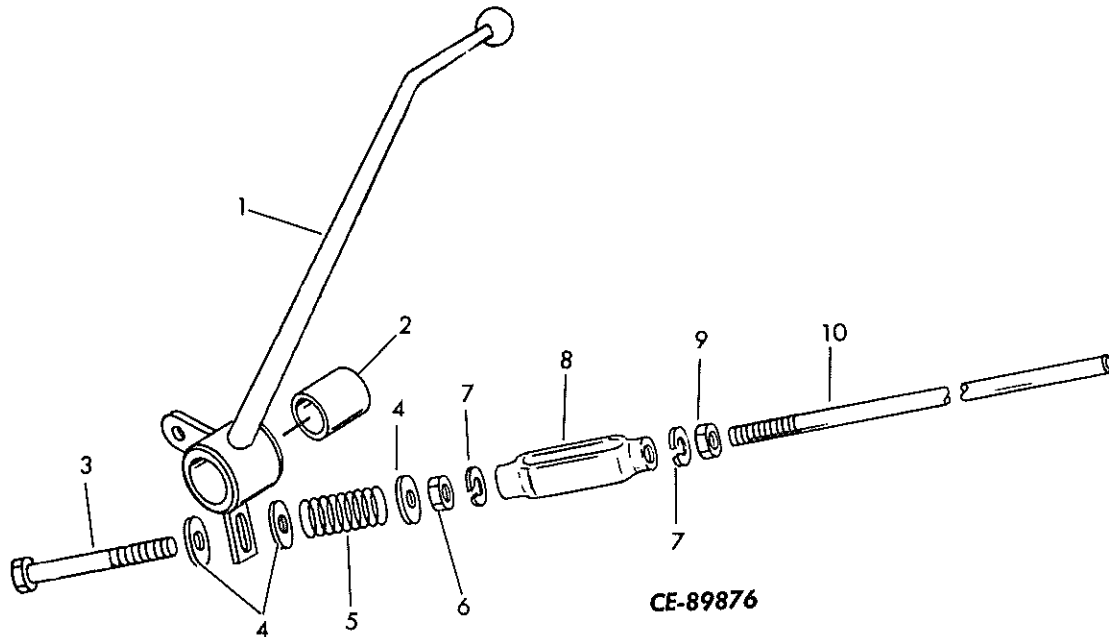
HAND THROTTLE KIT



	172 681 H1	KIT, hand throttle
1	HL-3343	KNOB
2	214 604 H1	LEVER
3	125 098 H1	SHAFT, throttle
4	108 651 H1	DISC, friction (2)
5	108 650 H1	SPRING
6	106 265	WASHER, 1/2" flat
7	103 028	NUT, 1/2"NF hex
8	109 046 H1	TUBE ASSEMBLY
9	114 783	PIN, yoke
10	157 419 H1	ROD
11	104 037	YOKE END, adjustable
	103 025	NUT, 5/16"NF hex
12	114 784	PIN, yoke
	172 683 H1	DRAWING, main frame rework (Ref.)
	172 682 H1	DRAWING, installation (Ref.)

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
		AUTOMATIC BOOM KICKOUT CONTROL KIT			

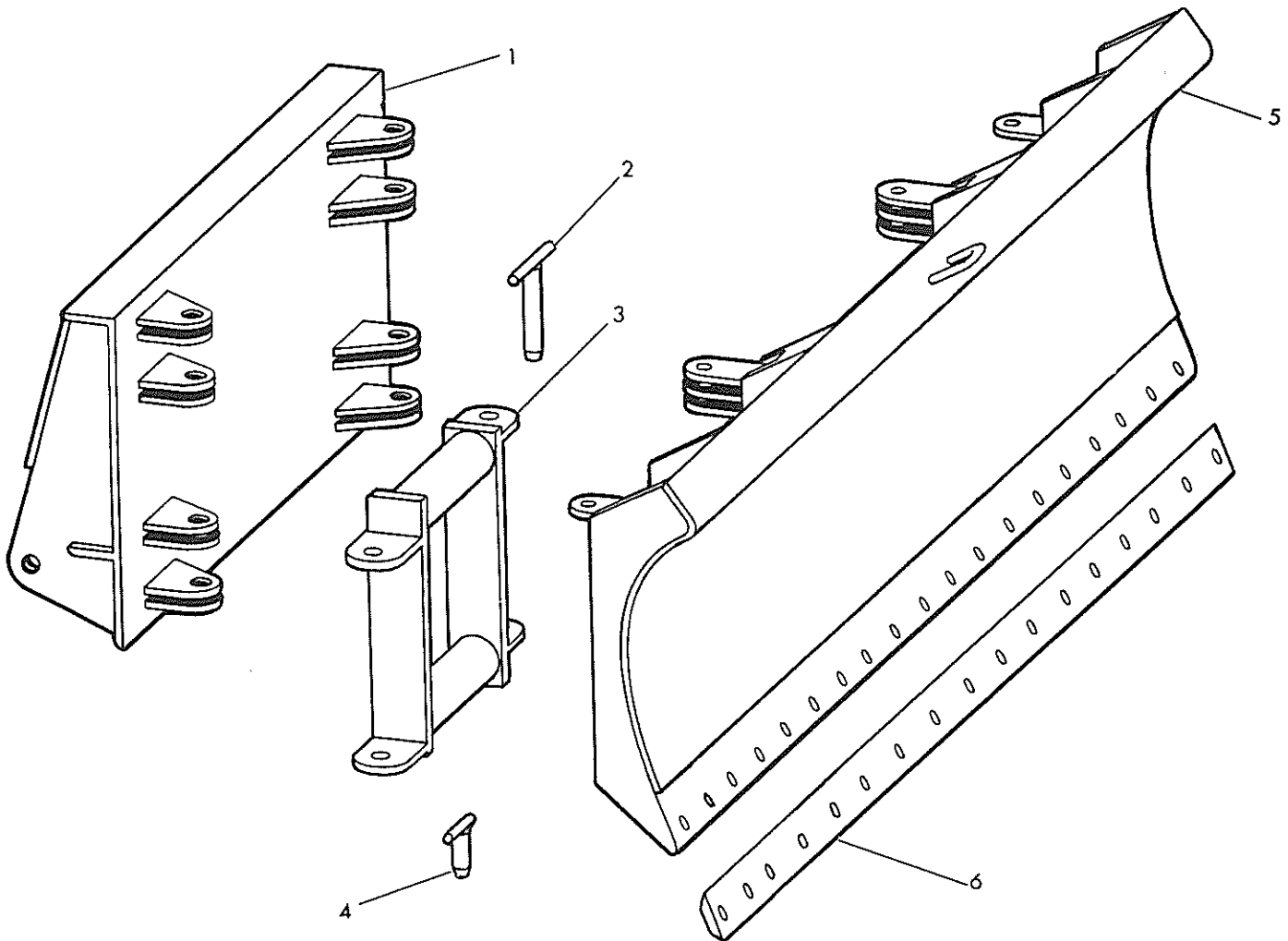


	194 375 H1	KIT, automatic boom kickout control	5	182 222 H1	SPRING
	194 372 H1	DRAWING, installation	6	114 494	NUT, 3/8" NF jam
	194 371 H1	DRAWING, main frame rework	7	103 321	WASHER, 3/8" lock (2)
	194 370 H1	DRAWING, RH boom rework	8	134 575 H1	TURNBUCKLE
1	194 389 H1	LEVER, boom control	9	187 068 H1	NUT, jam - LH thread
2	144 244 H1	BUSHING (2)	10	194 369 H1	ROD
3	181 384	SCREW, 3/8" NF x 2-3/4" cap			
4	103 341	WASHER, 3/8" flat (2)			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKFILLER BLADE KIT



CE-89877

	193 223 H1	KIT, backfiller blade (See NOTE 1) (Consists of the following parts -	6	193 211 H1	EDGE, cutting	
				144 856 H1	BOLT, plow (17)	
				103 323	WASHER, 1/2" lock (17)	
				102 637	NUT, 1/2"NC hex (17)	
1	193 213 H1	PLATE, mounting		193 205 H1	BLADE ASSEMBLY	
2	133 707 H1	PIN, hinge (4)			(Composed of -	
3	133 527 H1	LINK, angle			1 BLADE	193 206 H1
4	133 548 H1	PIN, hinge (2)			1 EDGE, cutting	193 211 H1
5	193 206 H1	BLADE, backfiller			17 BOLT	144 856 H1
					17 WASHER	103 323
					17 NUT	102 637)
				193 193 H1	DRAWING, installation	

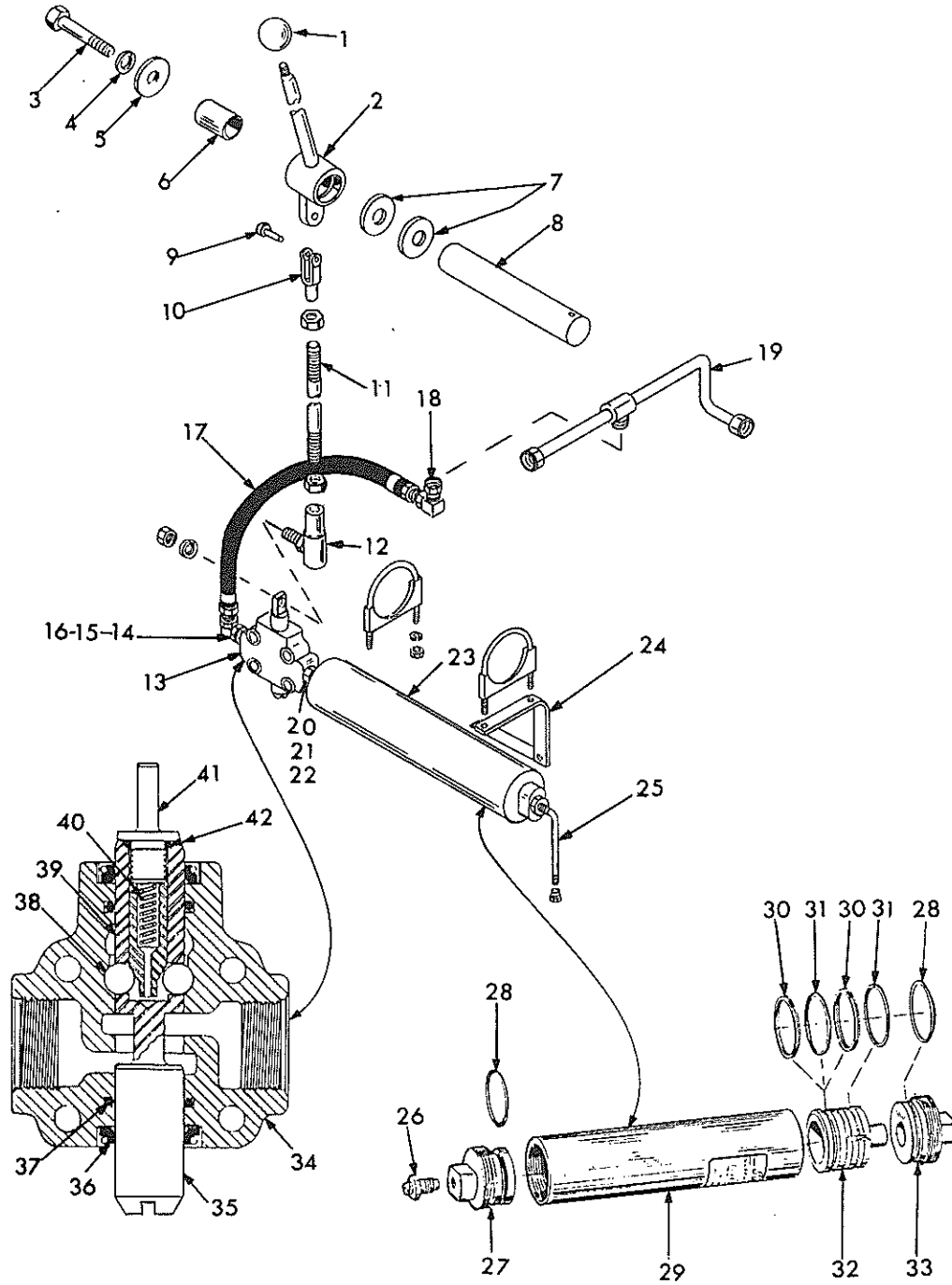
NOTE 1: Order on Machine Order Form.

ACCESSORIES & ATTACHMENTS

MEMORANDA

ACCESSORIES & ATTACHMENTS

ACCUMULATOR KIT



CE-88587

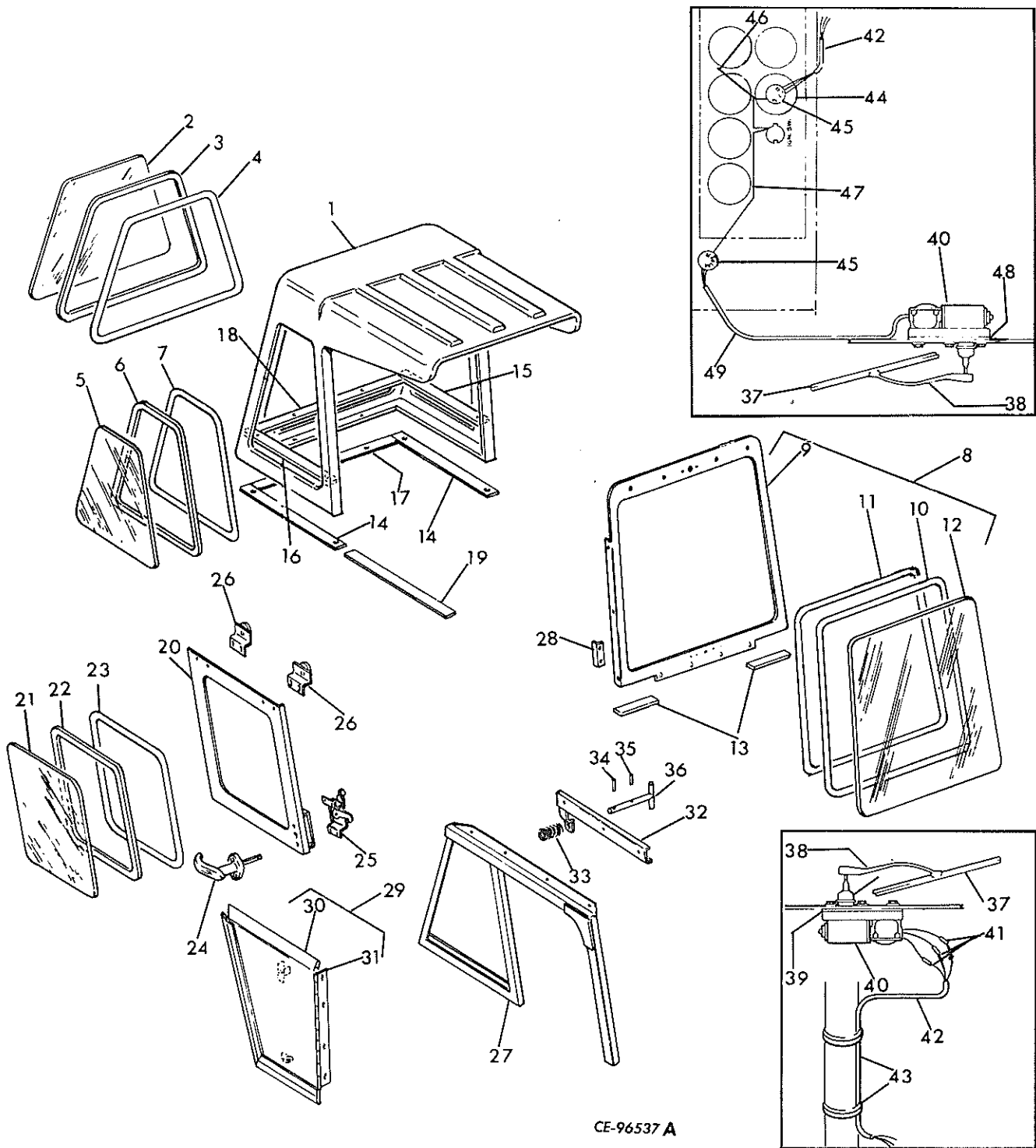
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ACCUMULATOR KIT — Continued					
	167 888 H1	ACCUMULATOR KIT (See NOTE 1) (Includes the following -	28	293 726 R1	"O" RING (2)
1	HL-3343	KNOB	29	128 038 H1	CYLINDER
2	126 471 H1 109 461	LEVER FITTING, grease	30	128 039 H1	BACK-UP RING, Teflon (2)
3	271 564	SCREW, 5/8"NC x 2-1/2" cap	31	350 657 R1	"O" RING (2)
4	103 325	WASHER, 5/8" lock	32	128 041 H2	PISTON
5	106 267	WASHER, 5/8" flat	33	128 042 H1	FITTING
6	144 301 H1	SLEEVE	34		HOUSING (Not furnished separately)
7	103 348	WASHER, 1" flat (2)	35		PLUNGER (Not furnished separately)
8	169 428 H1	PIN	36	140 791 H1	SEAL, oil (2)
9	114 784	PIN, yoke assembly	37	350 818 R1	"O" RING (2)
10	104 037	YOKE, 5/16" end	38	140 806 H1	BALL (3)
11	183 631 H1	ROD	39	140 808 H1	CAM, ball
12	158 396 H1 103 025 103 320	JOINT, ball NUT, 5/16"NF jam (3) WASHER, 5/16" lock	40	140 793 H1	SPRING, detent
13	140 493 H1	VALVE, control (Includes items 34 thru 42)	41	140 807 H1	END, plunger
14	296 247 R1	"O" RING	42	355 966 R1	"O" RING
15	380 633 R1	REDUCER		167 889 H1	DIAGRAM, installation
16	9 402 752	ADAPTER, 90° - JIC swivel			
17	130 861 H2	HOSE			
18	9 402 752	ADAPTER, 90° - JIC swivel			
19	167 897 H1	TUBE ASSEMBLY (Boom Raise)			
20	364 885 R1	"O" RING			
21	169 426 H1	ADAPTER			
22	296 247 R1	"O" RING			
23	127 651 H2 109 248 H1	ACCUMULATOR (Includes items 26 thru 33) CLAMP, accumulator to mounting bracket (2)			
24	183 632 H1	BRACKET, mounting (Accumulator to transmission mount) (2)			
25	167 890 H1 169 448 H1	EXTENSION, valve stem DECAL, accumulator pre-charge			
26	128 035 H1	VALVE, air			
27	128 036 H1	FITTING, air end			

NOTE 1 — Order on Machine Order Form.

ACCESSORIES & ATTACHMENTS

CAB AND SIDE ENCLOSURE



ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CAB AND SIDE ENCLOSURE — Continued					
	893 821 C91	CAB and DOOR ATTACHMENT w/ Floor Mat and Front and Rear Wiper (See NOTE 1) (Consists of the following parts -	20		FRAME, right hand door (Not furnished separately) (Part of RIGHT HAND DOOR ASSY., 178 965 H2)
1	893 825 C1	CAB	21	178 901 H1	GLASS, door
	181 364	BOLT, 3/8"NF x 1" hex-hd (4)	22		MOLDING, door (Not furnished separately) (2)
	103 321	WASHER, 3/8" lock (4)	23	183 997 H1	FILLER, door (2)
	103 026	NUT, 3/8"NF hex (4)	24	178 910 H1	HANDLE w/KEYS, left hand
	181 435	BOLT, 1/2"NF x 2" hex-hd (4)	110 543		SCREW, No. 10-24 x 3/8" oval hd-slt (2)
	106 265	WASHER, 1/2" flat (4)	25	178 969 H1	LATCH, door - Right Hand
	103 323	WASHER, 1/2" lock (4)	25	178 903 H1	LATCH, door - Left Hand
	103 028	NUT, 1/2"NF hex (4)	187 463		SCREW, No. 10-24 x 1/2" truss hd-slt (8)
2	178 862 H1	GLASS, rear	26	178 911 H1	ROLLER (4)
3		MOLDING, rear window	144 531		SCREW, 1/4-20 x 1/2" truss- hd-slt. (8)
4	183 995 H1	FILLER, rear window	103 319		WASHER, 1/4" lock (8)
5	188 520 H1	GLASS, side (2)	109 084		NUT, 1/4"NC (8)
6		MOLDING, side window (Not furnished separately) (2)	27	189 437 H1	ENCLOSURE, left hand
7	188 522 H1	FILLER, side window (2)	27	189 438 H1	ENCLOSURE, right hand
8	178 868 H2	WINDSHIELD ASSEMBLY, clear	179 793		BOLT, 1/4-20 x 5/8" (6)
8	894 065 C91	WINDSHIELD ASSEMBLY, tinted	120 572		SCREW, 1/4-20 x 3/4" truss hd-slt. (14)
	181 364	BOLT, 3/8"NF x 1" (3)	103 319		WASHER, 1/4" lock (20)
	103 321	WASHER, 3/8" lock (3)	106 261		WASHER, 1/4" flat (8)
	103 026	NUT, 3/8"NF hex (3)	109 084		NUT, 1/4-20 hex (20)
9	188 523 H1	FRAME, windshield	28	188 524 H2	STRIKER (2)
10	216 402 H1	MOLDING, windshield	137 352		SCREW, 1/4"NC x 3/8" truss slt-hd (4)
11	216 403 H1	FILLER, windshield - 134"	103 319		WASHER, 1/4" lock (4)
12	178 870 H1	GLASS, clear	106 261		WASHER, 1/4" flat (4)
12	189 885 H1	GLASS, tinted	109 084		NUT, 1/4"NC hex (4)
13	178 872 H1	RUBBER MOUNT, front (2)	29	203 129 H1	DOOR and HINGE ASSEMBLY
14	189 583 H1	RUBBER MOUNT, RH	157 728		SCREW (3)
14	178 866 H1	RUBBER MOUNT, LH	103 319		WASHER, 1/4" lock (3)
15	188 539 H1	RETAINER, LH	109 084		NUT, 1/4"NC hex (3)
16	183 309 H1	RETAINER, RH	30	178 972 H1	DOOR, lower
17	178 867 H1	RUBBER MOUNT, rear	31	189 240 H1	HINGE, door
18		NOT USED	436 730		SCREW, No. 10-24 x 3/8" CZ (4)
19	189 584 H1	RUBBER MOUNT, RH (Side Enclosure)	120 217		WASHER, No. 10 lock (4)
20		FRAME, left hand door (Not furnished separately) (Part of LEFT HAND DOOR ASSY., 178 898 H2)	120 361		NUT, No. 10-24 hex (4)
			32	191 021 H2	RETAINER, RH front
			32	191 022 H2	RETAINER, LH front

NOTE 1: Order on Machine Order Form.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
CAB AND SIDE ENCLOSURE — Continued					
33	191 024 H1	SPRING, compression (2)			1 SIDE DOOR ASSY., RH 178 965 H2
34	191 264 H1	PIN, roll (2)			1 SIDE DOOR ASSY., LH 178 898 H2
35	191 265 H1	PIN, roll (2)			1 WINDSHIELD ASSY., clear 178 868 H2
36	191 023 H1 103 341	HANDLE, tee (2) WASHER, 1/4" flat			1 ENCLOSURE, RH 189 438 H1
37	172 619 H1	BLADE, wiper - 14" (Front and Rear) (2)			1 ENCLOSURE, LH 189 437 H1
38	172 618 H1	ARM, wiper blade - 16" (Front and Rear) (2)			4 ROLLER ASSY. 178 911 H1
39	171 822 H1	SPACER, front wiper motor			2 STRIKER 188 524 H2
40	172 617 H2 181 309	MOTOR w/BRACKET, wiper (2) BOLT, 1/4"NF x 1/2" (Rear Motor) (3)			3 BOLT 181 364
	181 317	BOLT, 1/4"NF x 1-1/4" (Front Motor)			8 SCREW 144 531
	181 315	BOLT, 1/4"NF x 1" (Front Wiper) (2)			6 BOLT 179 793
	103 319	WASHER, 1/4" lock (6)			14 SCREW 120 572
	103 024	NUT, 1/4"NF hex			4 SCREW 137 352
41	113 868 H1	CONNECTOR (3)			3 LOCKWASHER 103 321
42	183 984 H1 263 513 R1	LOOM, wire CLIP			32 LOCKWASHER 103 319
43	610 213 C91	STRAP, 10" (Steering column) (2)			12 FLATWASHER 106 261
44	183 433 H1	PLUG, button			3 NUT 103 026
45	187 905 H1	SWITCH, wiper (Front and Rear) (2)			32 NUT 109 084
46	139 575 H1	CABLE, wiper switch to ignition			4 BOLT 181 435
47	875 456 C1	CABLE, rear wiper switch to ignition			4 WASHER, flat 106 265
48	187 184 H1	SPACER, rear wiper motor			4 WASHER, lock 103 325
49		CABLE, wiper motor (Part of MOTOR and BRACKET ASSY., 172 617 H2)			4 NUT 103 028)
	192 851 H1	BOSS	894 052 C91		CAB ASSEMBLY (Composed of -
	191 888 H1	MAT, floor			1 CAB, canopy 893 825 C1
	893 824 C91	CAB and SIDE ENCLOSURE (Composed of -			1 WINDOW, rear 178 862 H1
		1 BOSS 192 851 H1			§ 1 MOLDING, rear
		1 CAB ASSY. 894 052 C91			1 FILLER, rear 183 995 H1
		1 RETAINER ASSY., RH front 189 452 H2			2 WINDOW, side 188 520 H1
		1 RETAINER ASSY., LH front 189 453 H2			§ 2 MOLDING, side
		1 RETAINER, RH 183 309 H1			2 FILLER, side 188 522 H1)
		1 RETAINER, LH 188 539 H1			
			178 965 H2		DOOR ASSEMBLY, right hand (Composed of -
					§ 1 DOOR, RH
					1 WINDOW 178 901 H1
					§ 1 MOLDING
					1 FILLER 183 997 H1
					1 LATCH 178 969 H1
					4 SCREW 187 463
					2 SCREW 110 543)
			178 898 H2		DOOR ASSEMBLY, left hand (Composed of -
					§ 1 DOOR, LH
					1 WINDOW 178 901 H1
					§ 1 MOLDING
					1 FILLER 183 997 H1
					1 LATCH 178 903 H1
					1 HANDLE 178 910 H1
					4 SCREW 187 463
					2 SCREW 110 543)
					§ - Not furnished separately.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CAB AND SIDE ENCLOSURE — Continued

189 452 H2 RETAINER ASSEMBLY, RH front
 (Composed of -
 1 RETAINER,
 front 191 021 H2
 1 SPRING, com-
 pression 191 024 H1
 1 WASHER, flat 103 341
 1 PIN, roll 191 264 H1
 1 PIN, roll 191 265 H1
 1 TEE HANDLE 191 023 H1)

189 453 H2 RETAINER ASSEMBLY, LH front
 (Composed of -
 1 RETAINER,
 front 191 022 H2
 1 SPRING, com-
 pression 191 024 H1
 1 WASHER, flat 103 341
 1 PIN, roll 191 264 H1
 1 PIN, roll 191 265 H1
 1 TEE HANDLE 191 023 H1)

FGH-11750 DRAWING, plug button rework

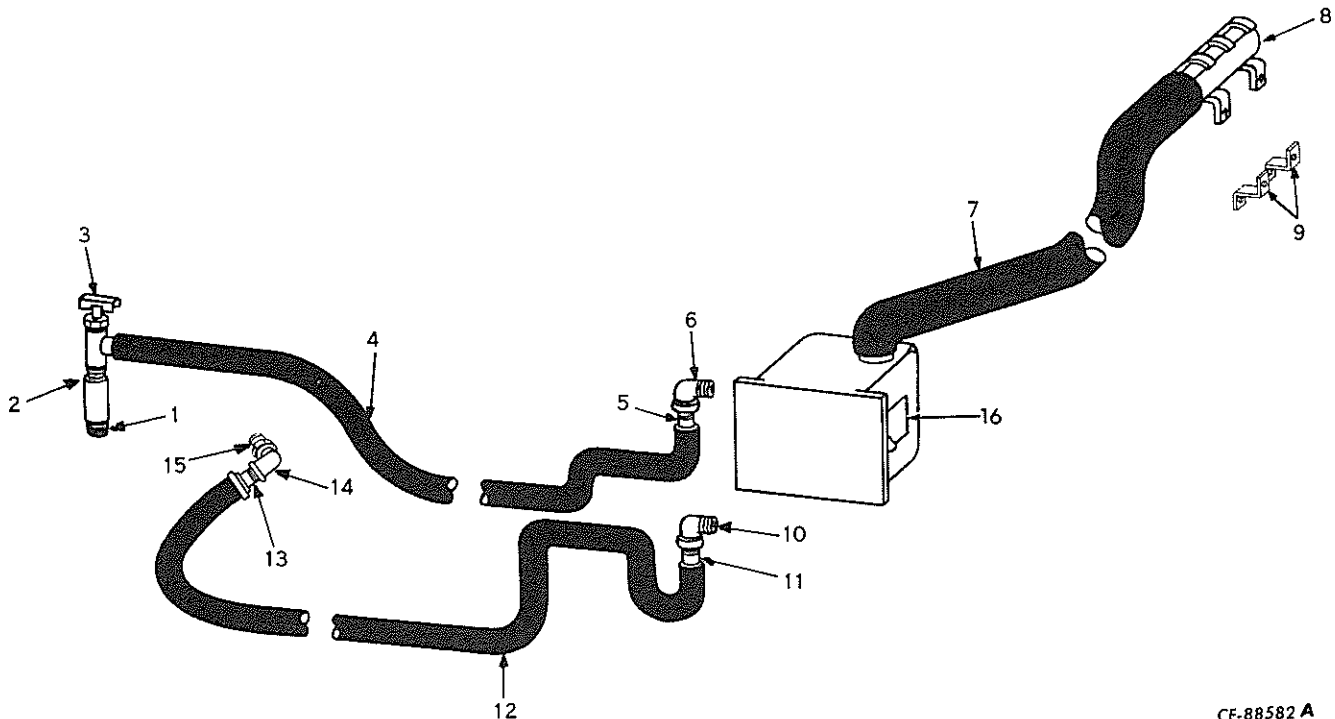
FGH-11749 DRAWING, battery box rework

FGH-11735 DRAWING, installation - Cab and
 Windshield)

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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HEATER AND DEFROSTER (I.H. Gas) (With Mechanical Governor)



CE-88582 A

KIT, heater (Not used on units
equipped w/Electric Wipers) (*)

9	189 324 H1	CLIP, diffuser (2)
	181 315	SCREW, 1/4"NF x 1" cap (Clip and diffuser mounting) (4)
	103 319	WASHER, 1/4" lock (Clip and diffuser mounting) (4)
	103 024	NUT, 1/4"NF hex (Clip and diffuser mounting) (4)

LINE — HOT WATER FEED

1	120 278	NIPPLE
2	187 396	COUPLING
3	301 803 R1	COCK, shut-off
	274 085 R91	CLAMP (2)
	144 048	BUSHING
	444 258	TEE (3)
	398 144 C1	CONNECTOR
4	117 473 H2	HOSE
5	123 700 H1	NIPPLE
6	120 063	ELBOW, 90°
	444 261	TEE, service

LINE — HOT WATER RETURN

10	120 063	ELBOW, 90°
11	123 700 H1	NIPPLE
12	117 473 H2	HOSE
	274 085 R91	CLAMP (2)
13	123 700 H1	NIPPLE
14	120 063	ELBOW, 90°

LINE — FRONT DEFROSTER

7	168 437 H1	HOSE, flexible
	279 027 R91	CLAMP (2)
8	159 829 H3	TUBE, diffuser

(*) - Kit no longer available. Service parts
will be furnished as ordered.

ACCESSORIES & ATTACHMENTS

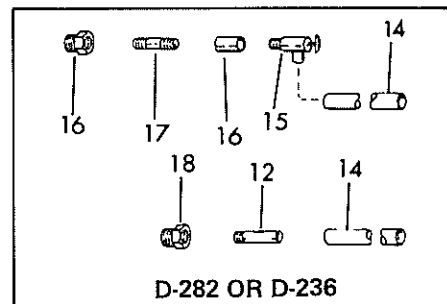
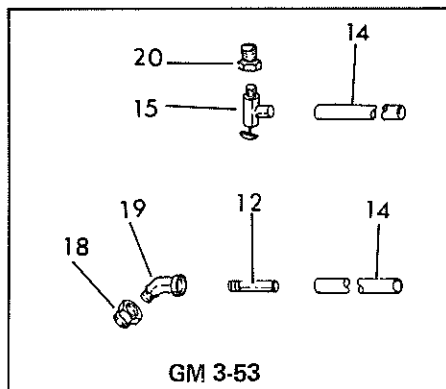
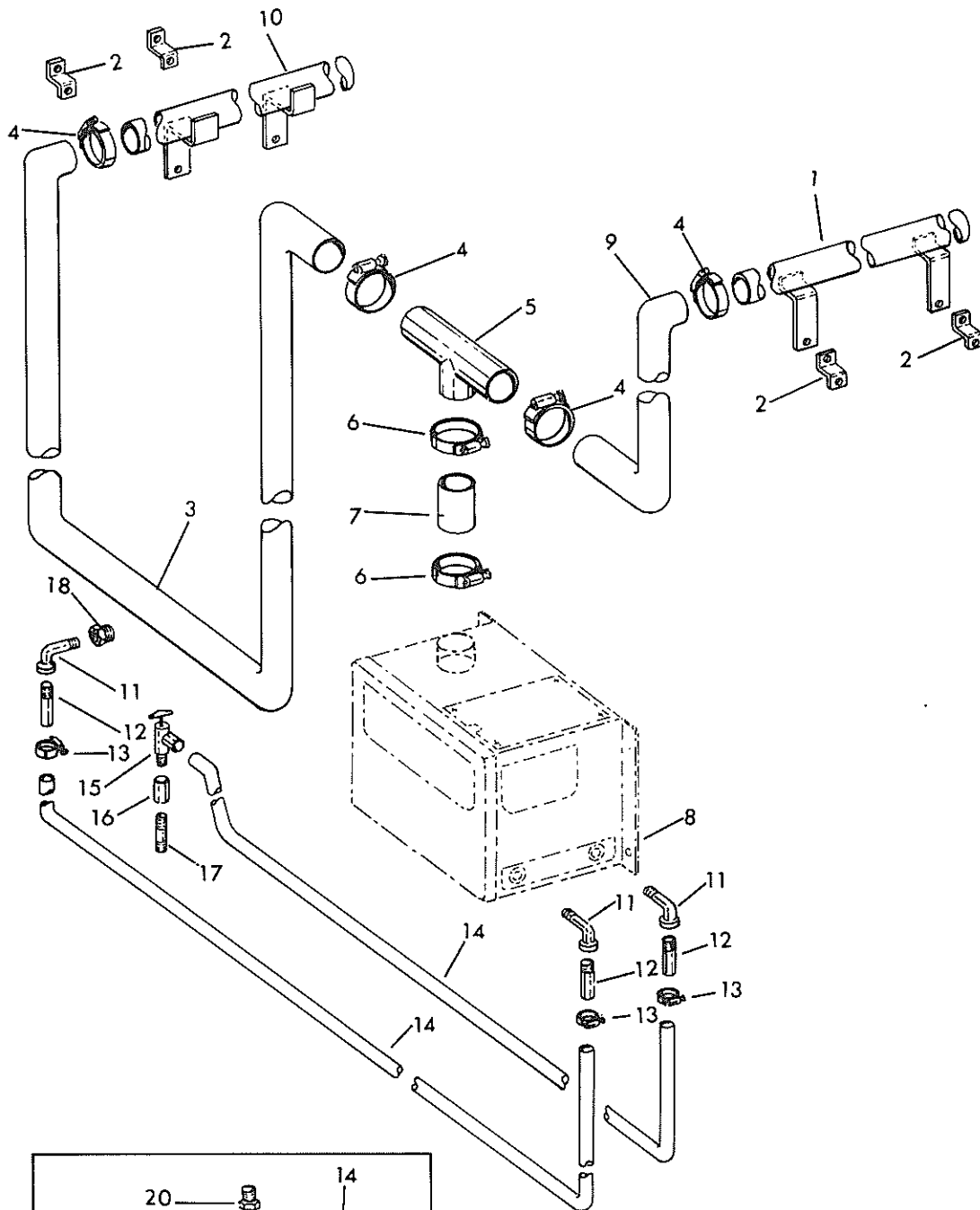
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HEATER AND DEFROSTER — Continued (I.H. Gas) (With Mechanical Governor)					
15	144 046 610 213 C1 120 702	BUSHING, reducer (2) STRAP, water hose (3) ELBOW, 45°			
		HOSE CLAMPS			
	HL-3551	CLAMP, hose to valve cover			
	134 053 H1	CLAMP (Water hose to accessory drive housing) (4)			
	179 897	SCREW, 1/2"NC x 3/4" cap (Water hose to accessory drive housing)			
	103 323	WASHER, 1/2" lock (Water hose to accessory drive housing)			
	179 837	BOLT, 3/8"NC x 3/4"			
		HEATER			
16	181 656 H1	HEATER ASSY. (Order HEATER, 181 656 H2) (Composed of - 1 CORE 202 620 H1 1 KNOB 181 339 H1 1 MOTOR 183 139 H1 1 SWITCH 182 699 H1)			
16	181 656 H2	HEATER ASSY. (Composed of - 1 BLADE 196 333 H1 1 CORE 933 069 C1 1 KNOB 181 339 H1 1 MOTOR 934 541 C91 1 SWITCH 182 699 H1) 181 356 BOLT, 3/8"NF x 5/8" hex-hd (4) 103 321 WASHER, 3/8" lock (4) 106 263 WASHER, 3/8" flat (4)			
	196 333 H1	BLADE (@@)			
	113 868 H1	CONNECTOR			
	202 620 H1	CORE (@)			
	933 069 C1	CORE (@@)			
	191 393 H1	DRAWING, installation			
	181 339 H1	KNOB (@) (@@)			
	183 139	MOTOR (@)			
	934 541 C1	MOTOR (@@)			
	182 699 H1	SWITCH (@) (@@)			
	133 832 H1	TERMINAL			
	136 222 H1	WIRE			

(@) - Part of HEATER, 181 656 H1.

(@@) - Part of HEATER, 181 656 H2.

ACCESSORIES & ATTACHMENTS

HEATER AND DEFROSTER w/REAR DEFROSTER



CE-98522

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HEATER AND DEFROSTER w/REAR DEFROSTER — Continued					
	893 843 C91	KIT, heater and defroster w/Rear Defroster (Consists of the following parts -	18	144 046	ADAPTER (Two used on Engine D-236)
1	159 829 H3	TUBE, diffuser	19	120 702	ELBOW, 45° x 38 street (GM 3-53)
2	189 324 H1	CLIP (4)	20	144 048	ADAPTER (GM 3-53)
	181 313	BOLT, 1/4"NF x 3/4" (8)		134 053 H1	CLAMP, water hose to accessory drive housing
	103 319	WASHER, 1/4" lock (8)		179 839	BOLT, 3/8"NC x 3/4" hex-hd
	106 261	WASHER, 1/4" flat (8)		179 879	BOLT, 1/2"NC x 3/4"
	103 024	NUT, 1/4"NF hex (8)		103 323	WASHER, 1/2" lock
3	927 588 C1	HOSE, flexible		HL-3551	CLAMP, hose to valve cover
	309 931 R1	CLAMP		196 333 H1	BLADE (@@)
4	279 027 R91	CLAMP (4)		202 620 H1	CORE (@)
5	221 036 H1	TEE		933 069 C1	CORE (@@)
6	279 026 R91	CLAMP, hose (2)		181 339 H1	KNOB (@) (@@)
7		HOSE (Cut length 2"ID x 2-1/2" long, cut from bulk HOSE, 407 008 R1)		183 139 H1	MOTOR (@)
8	181 656 H1	HEATER ASSY. (Order HEATER, 181 656 H2) (Composed of -		933 070 C1	MOTOR (@@)
		1 CORE 202 620 H1		610 213 C1	STRAP, water hose (3)
		1 KNOB 181 339 H1		182 699 H1	SWITCH (@) (@@)
		1 MOTOR 183 139 H1		113 868 H1	CONNECTOR
		1 SWITCH 182 699 H1)		133 832 H1	TERMINAL
				142 455 H1	WIRE
				FGH-11742	INSTALLATION, heater defroster
8	181 656 H2	HEATER ASSY. (Composed of -		364 359 R1	HOSE, 5/8"ID x 50' long bulk (x)
		1 BLADE 196 333 H1		407 408 R1	HOSE, 2"ID x 2-1/2' long bulk (x)
		1 CORE 933 069 C1			
		1 KNOB 181 339 H1			
		1 MOTOR 933 070 C1			
		1 SWITCH 182 699 H1)			
	181 356	BOLT 3/8"NF x 5/8" (4)			
	103 321	WASHER, 3/8" lock (4)			
	106 263	WASHER, 3/8" flat (4)			
9	168 437 H1	HOSE			
10	187 499 H1	TUBE, diffuser			
11	120 063	ELBOW (2)			
12	123 700 H1	NIPPLE (3)			
13	274 085 R91	CLAMP (4)			
14		HOSE (Cut length 5/8"ID x 102" long, cut from bulk HOSE, 364 359 R1) (2)			
15	301 803 R91	COCK, shut-off			
16	187 396	COUPLING, 3/8" pipe (D-236 and G-263)			
17	120 278	NIPPLE (D-236 and G-263)			

(x) - As Required.

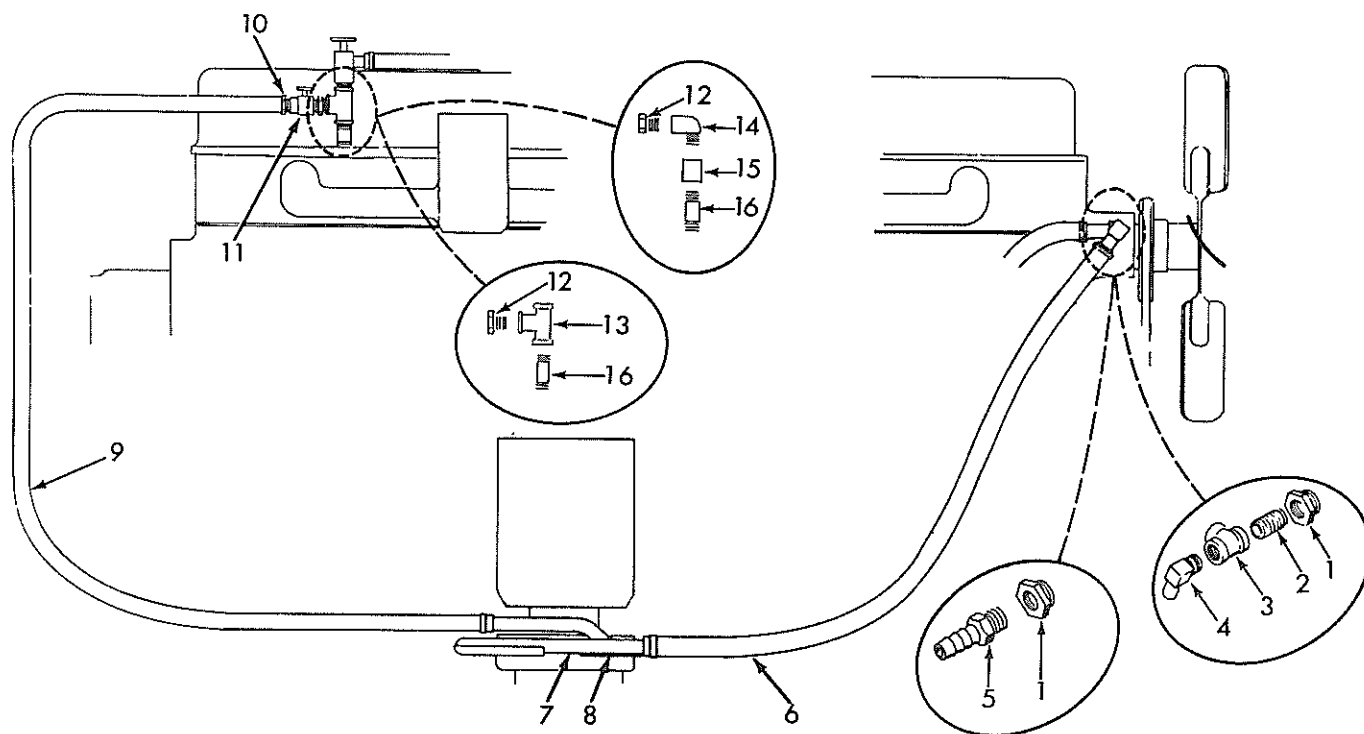
(@) - Part of HEATER, 181 656 H1.

(@@) - Part of HEATER, 181 656 H2.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CARBURETOR HEAT EXCHANGER KIT (For Use w/Mechanical Governor)



CE-88586B

885 020 C91 KIT, carburetor heat exchanger (See
NOTE 1)
(Consists of the following parts -

LINE — FRONT OF ENGINE TO HEAT EXCHANGER

1	144 046	BUSHING, reducing
2	121 207	NIPPLE, pipe (Used on units w/ HEATER only)
3	120 280	TEE (Used on units w/HEATER only)
4	176 056 H1	CONNECTOR, hose 90° - elbow (Used on units w/HEATER only)
5	176 057 H1	CONNECTOR, hose straight (Used on units w/o HEATER only)
6	176 090 H1 279 025 R91 102 818 H1	HOSE CLAMP, hose (2) CLIP
7	155 573 H4	HEAT EXCHANGER
8	155 828 H1	GASKET, exchanger (2)

LINE — HEAT EXCHANGER TO REAR OF ENGINE

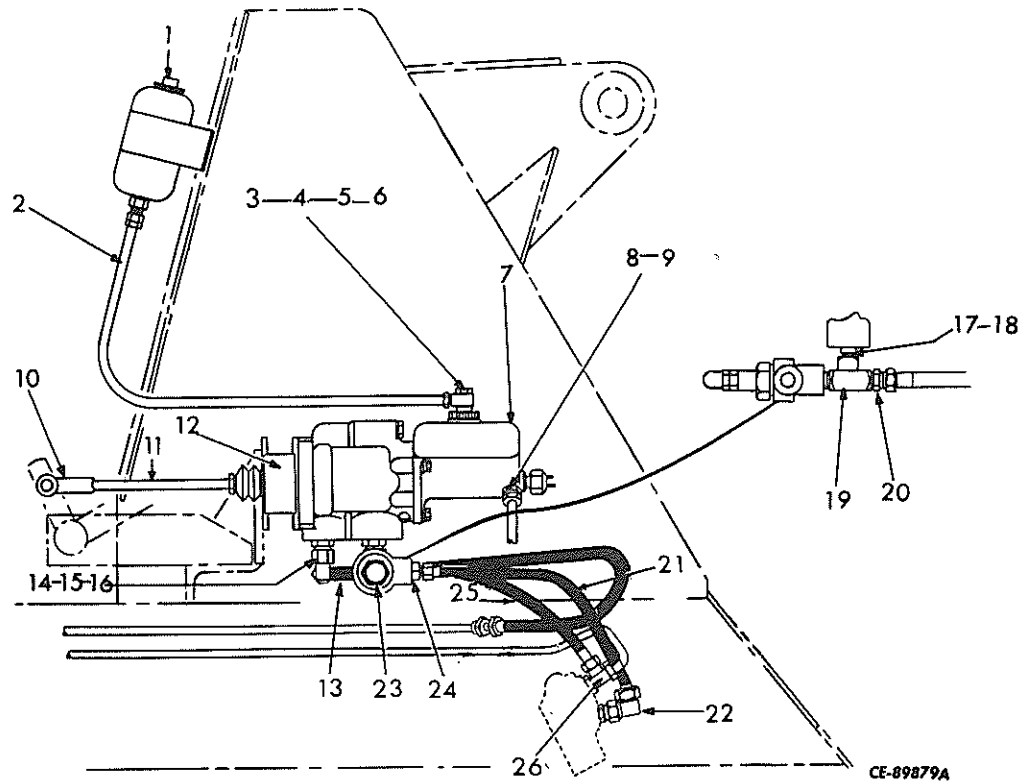
9	176 090 H1 279 025 R91 102 818 H1	HOSE CLAMP, hose (2) CLIP
10	398 144 C1	CONNECTOR, hose straight
11	132 666 H1	PET COCK
12	144 043	BUSHING, reducing
13	120 280	TEE (Used on units w/HEATER only)
14	120 063	ELBOW, 90° street (Used on units w/o HEATER only)
15	187 396	COUPLING, pipe (Used on units w/o HEATER only)
16	120 127	NIPPLE, pipe
	197 529 H1	DRAWING, installation

NOTE 1: Order on Machine Order Form.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWERMASTER BRAKE KIT (Hydraulic Piping)



	169 026 H1	KIT, powermaster brake	4	HA-883	GASKET
	169 302 H1	DRAWING, installation	5	59 150 H	FITTING
	FGH-10886	DRAWING, installation	6		NOT USED
1	168 968 H1	TANK, supply (Order TANK, 924 401 C91 and FITTING, 187 343)	7		POWERMASTER CYLINDER ASSEMBLY (Refer to "Powermaster Brake Cylinder Assembly")
1	924 401 C91	TANK, supply	8	49 034 H	GASKET (2)
	143 303	ELBOW	9	48 071 H	ADAPTER, brake lines (2)
	181 313	SCREW, 1/4"NF x 3/4" cap (Tank mounting) (4)	10	104 891 H1	CLEVIS, brake to pedal
	106 261	WASHER, 1/4" flat (Tank mounting) (4)	11	198 539 H1	ROD
	103 319	WASHER, 1/4" lock (Tank mounting) (4)		114 496	NUT, 1/2"NF jam (2)
	187 343	FITTING (Tank mounting)			
	103 024	NUT, 1/4"NF hex (4)			
2	107 687 H1	TUBE ASSEMBLY			
3	48 165 H	STUD			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWERMASTER BRAKE KIT — Continued (Hydraulic Piping)

12	168 975 H1	BRACKET, brake cylinder mounting
	179 858	SCREW, 7/16"NC x 1" cap (Cylinder to bracket) (4)
	103 322	WASHER, 7/16" lock (Cylinder to bracket) (4)
	181 364	SCREW, 3/8"NF x 1" cap (Bracket mounting) (3)
	103 321	WASHER, 3/8" lock (Bracket mounting) (3)
	103 026	NUT, 3/8"NF hex (Bracket mounting) (3)

HIGH PRESSURE LINE — FLOW DIVIDER TO BRAKE CYLINDER

13	142 330 H1	HOSE
14	9 410 281	ELBOW, 90° - JIC swivel
15	481 352 R1	ADAPTER, reducer
16	364 885 R1	"O" RING

HIGH PRESSURE LINE — BRAKE CYLINDER TO STEERING VALVE

17	364 885 R1	"O" RING
18	9 402 710	ADAPTER, JIC x pipe
19	877 723 C1	TEE
	445 684	PLUG, 1/8" pipe
20	383 118 R1	ADAPTER, JIC x pipe
21	142 330 H1	HOSE
22	9 410 280	ELBOW, 90° - JIC swivel

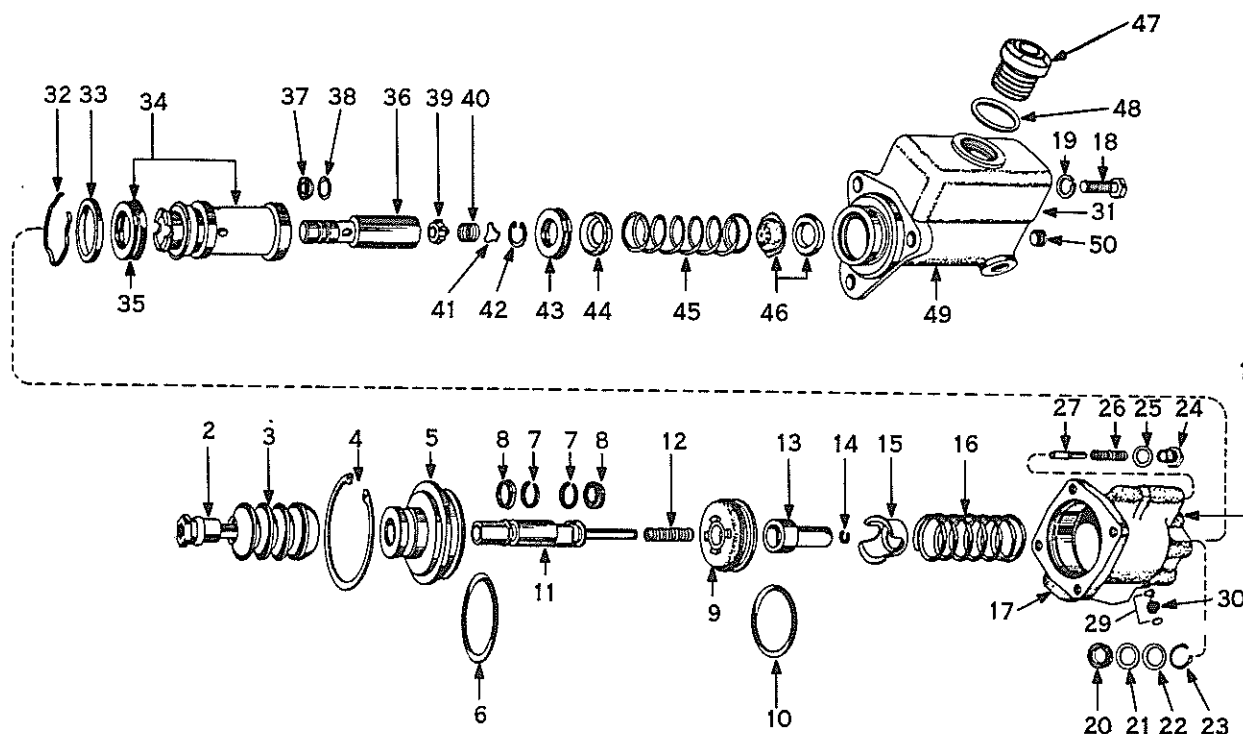
HIGH PRESSURE LINE — BRAKE CYLINDER BYPASS TO STEERING VALVE RETURN

23		VALVE, relief (Refer to "Relief Valve")
24	383 118 R1	ADAPTER, JIC x pipe
25	142 330 H1	HOSE
26	9 411 130	TEE - adjust JIC

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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POWERMASTER BRAKE (Cylinder Assembly)



CE-89880

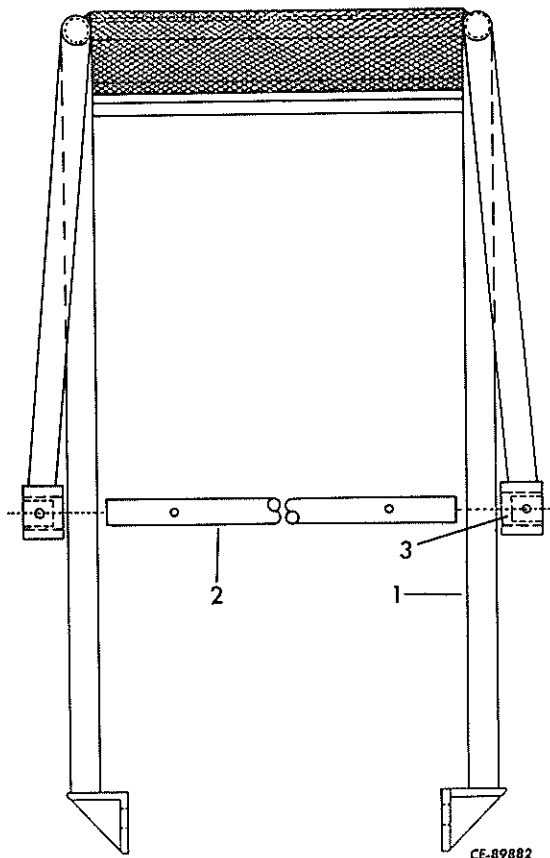
	168 801 H1	POWERMASTER CYLINDER ASSEMBLY	13	171 981 H1	CONNECTOR
1	171 968 H1	POWER CYLINDER ASSEMBLY	14	171 982 H1	RING, retaining
2	171 970 H1	ROD, push	15	171 983 H1	RETAINER, spring return
3	171 971 H1	BOOT	16	171 984 H1	SPRING, return
4	267 743 C1	RING, retaining	17		CASTING, power cylinder (Not furnished separately)
5		COVER, end (Not furnished separately)	18	179 481	BOLT, 3/8"NC x 1-1/4" (Casting to casting) (3)
6	22 410 R1	"O" RING	19	103 321	WASHER, 3/8" lock (Casting to casting) (3)
7	171 975 H1	WASHER, back-up (2)	20	171 986 H1	PACKING, vee block
8	171 976 H1	PACKING, vee block (2)	21	171 987 H1	WASHER, back-up
9	171 977 H2	PISTON	22	171 988 H1	RING, back-up
10	3 044 436 R1	"O" RING	23	211 343 R1	RING, retaining
11	171 979 H2	VALVE PISTON and ROD	24	171 990 H1	RETAINER
12	171 980 H1	SPRING, return			



ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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OVERHEAD GUARD KIT

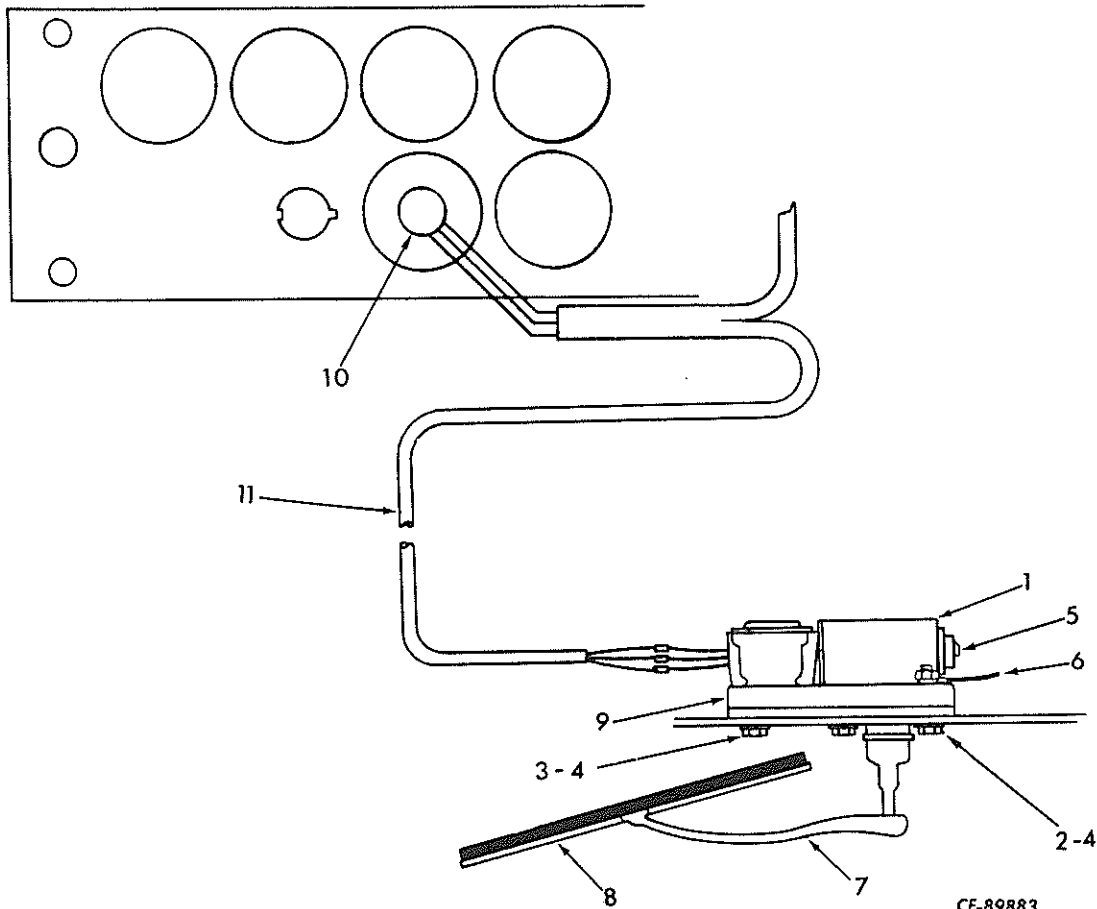


	875 623 C91	KIT, overhead guard (Harlo Fork Mast)
	221 822 H1	KIT, overhead guard (With loader)
1	875 630 C1	GUARD, overhead
2	875 626 C1	SHAFT, boom pivot and overhead support
3	158 843 H1	BUSHING (2)
	215 722	SCREW, 1/2"NC x 5-3/4" cap (2)
	103 323	WASHER, 1/2" lock (2)
	103 028	NUT, 1/2"NF hex (2)
	157 497 H1	SPACER (Harlo Fork Mast only) (2)
	271 641	SCREW, 3/4"NF x 3-3/4" cap (Hook to frame) (2)
	271 589	SCREW, 5/8"NF x 2-1/2" cap (Hook to frame) (2)
	875 631 C1	DRAWING, installation

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REAR WINDOW WIPER KIT



	187 183 H1	KIT, rear window wiper (*)	8	172 619 H1	BLADE, wiper
1	172 617 H2	MOTOR and BRACKET ASSEMBLY	9	187 184 H1	SPACER
2	181 317	SCREW, 1/4"NF x 1-1/4" cap	10	187 905 H1	SWITCH, wiper
3	181 315	SCREW, 1/4"NF x 1" cap (2)	11	875 456 C1	LOOM
4	103 319	WASHER, 1/4" lock (3)		187 186 H1	DRAWING, canopy rework
5	103 024	NUT, 1/4"NF hex		FGH-10026	DRAWING, installation
				875 472 C1	DRAWING, battery box rework
6	144 496 H1	WIRE, ground wiper			
7	172 618 H1	ARM ASSEMBLY, wiper			

(*) - Attachment no longer available. Service parts only will be furnished.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION
VERTICAL EXHAUST KIT (D-236)		
188 009 H1	KIT, vertical exhaust	
186 359 H1	FLANGE, exhaust	
103 949 H1	CLAMP	
179 839	SCREW, 3/8"NC x 1" cap (2)	
103 321	WASHER, 3/8" lock (2)	
188 005 H1	BRACKET, mounting	
188 006 H1	"U" BOLT	
103 320	WASHER, 5/16" lock (2)	
103 025	NUT, 5/16"NF hex (2)	
188 007 H1	STACK, exhaust	
131 093 H1	CAP, rain	
181 309	SCREW, 1/4"NF x 1/2" cap (Bracket to Hood) (2)	
103 319	WASHER, 1/4" lock (2)	
103 024	NUT, 1/4"NF hex (2)	
188 010 H1	DRAWING, installation (Ref.)	
188 002 H1	DRAWING, rear hood rework (Ref.)	
188 633 H1	DRAWING, muffler rework (Ref.)	

VERTICAL EXHAUST KIT (G-263)

188 620 H1	KIT, vertical exhaust
188 069 H1	BRACKET, mounting
188 068 H1	"U" BOLT
103 320	WASHER, 5/16" lock (2)
103 025	NUT, 5/16"NF hex (2)
188 015 H1	STACK, exhaust
131 037 H1	CAP, rain
181 309	SCREW, 1/4"NF x 1/2" cap (Bracket to Hood) (2)
103 319	WASHER, 1/4" lock (2)
103 024	NUT, 1/4"NF hex (2)
188 017 H1	DRAWING, installation (Ref.)
189 697 H1	DRAWING, rear hood rework (Ref.)
188 633 H1	DRAWING, muffler rework (Ref.)

VERTICAL EXHAUST KIT (GM 3-53)

188 022 H1	KIT, vertical exhaust
188 027 H1	BRACKET, mounting
188 026 H1	CLAMP
103 320	WASHER, 5/16" lock (2)
103 025	NUT, 5/16"NF hex (2)
188 014 H1	TUBE, exhaust
181 309	SCREW, 1/4"NF x 1/2" cap (Bracket to hood) (2)
103 319	WASHER, 1/4" lock (2)
103 024	NUT, 1/4"NF hex (2)
191 025 H1	CAP, rain
188 018 H1	DRAWING, installation (Ref.)
188 016 H1	DRAWING, rear hood rework (Ref.)

REF. NO.	PART NUMBER	DESCRIPTION
REAR WINDOW DEFROSTER KIT (Gas)		
187 490 H1	KIT, rear window defroster (Gas)	
187 499 H1	TUBE, diffuser	
189 324 H1	CLIP, formed (2)	
181 319	SCREW, 1/4"NF x 1-1/2" cap (2)	
103 319	WASHER, 1/4" lock (2)	
103 024	NUT, 1/4"NF hex (2)	
187 493 H1	TUBE, flexible	
279 027 R91	CLAMP, (2)	
200 112 H1	COLLAR ASSEMBLY	
187 491 H1	DRAWING, installation (Ref.)	
187 492 H1	DRAWING, canopy rework (Ref.)	
168 937 H1	SPACER (2)	

REAR WINDOW DEFROSTER KIT (Diesel)

221 034 H1	KIT, rear window defroster (Diesel)
187 499 H1	TUBE, diffuser
189 324 H1	CLIP, formed (2)
181 313	SCREW, 1/4"NF x 3/4" cap
106 261	WASHER, 1/4" flat (2)
103 319	WASHER, 1/4" lock (4)
103 024	NUT, 1/4"NF hex (4)
927 588 C1	TUBE, flexible
279 027 R91	CLAMP (2)
221 036 H1	TEE
109 758 H1	HOSE
279 026 R91	CLAMP (2)
221 035 H1	DRAWING, installation (Ref.)
187 492 H1	DRAWING, canopy rework (Ref.)

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WHEELBASE EXTENSION KIT (GM 3-53) (For units equipped with Backhoe)			HYDRAULIC STEERING LINES		
188 937 H1		KIT, wheelbase extension (See NOTE)	163 380 H1		HOSE ASSEMBLY, left turn steering valve to cylinder
169 528 H1		BOLSTER, rear axle	169 527 H2		HOSE ASSEMBLY, right turn steering valve to cylinder
158 833 H1		BUSHING (2)	FUEL SYSTEM		
25 158 R1		SCREW, 3/4"NF x 3-1/4" cap (Axle to bolster) (8)	172 746 H1		TANK, fuel
171 565 H1		SPACER (2)	172 747 H2		TUBE, filler
REAR DRIVE SHAFT ASSEMBLY			172 838 H1		SPACER
169 524 H1		SHAFT ASSEMBLY, rear drive	181 433		SCREW, 1/2"NF x 1-3/4" cap (Tank to frame)
173 736 H1		SLEEVE YOKE and SHAFT ASSEMBLY	103 323		WASHER, 1/2" lock (Tank to frame)
109 461		FITTING, grease	103 028		NUT, 1/2"NF hex (Tank to frame)
154 084 H1		CAP	444 576		PLUG, 1/4" pipe
154 085 H1		WASHER, steel	101 497 H1		ELBOW
645 147 R1		WASHER, cork	144 444 H1		TUBE, feed line
127 573 R91		KIT, journal and bearing (Axle end)	256 698 R1		CONNECTOR w/o NUT
645 141 R1		RING, retaining (4)	29 898 D		NUT, tube
109 454		FITTING, grease	414 504 C1		INSERT
913 774 R91		KIT, journal and bearing (Transmission end)	107 619 H1		TUBE, fuel return
154 074 H1		RING, retaining (4)	252 374 R1		ELBOW w/o NUT
109 454		FITTING, grease	29 898 D		NUT, tube
913 716 R1		GASKET, journal (4)	414 504 C1		INSERT
DRAG LINK			36 391 D		ELBOW w/o NUT
169 541 H1		LINK, steering drag	29 899 D		NUT, tube
26 935 H		BEARING, ball stud (Drag link ends) (4)	155 932 H2		GASKET, filler tube
145 862 H1		PLUG (Drag link ends) (2)	181 364		SCREW, 3/8"NF x 1" cap (Filler tube to tank) (4)
26 936 H		SPRING (Drag link ends) (2)	103 321		WASHER, 3/8" lock (Filler tube to tank) (4)
120 655 H1		GUIDE, spring (Drag link ends) (2)	107 755 H1		GASKET, fuel tank sender
145 863 H1		SEAT (Drag link ends) (2)	891 421 C1		SENDER, fuel level (Used w/GAUGE, 187 315 H2)
BRAKE LINES			890 979 C1		SENDER, fuel level (Used w/GAUGE, 885 308 C1)
169 525 H2		HOSE, brake (Coupling to tee)	271 585		SCREW, 5/8"NF x 1-3/4" cap
166 824 H1		LUG, (Tee to bolster)	271 588		SCREW, 5/8"NF x 2-1/4" cap
169 677 H1		ADAPTER, RH rear brake (Hose to tee)	120 217		WASHER, lock (5)
134 994 H1		TUBE and NUT ASSEMBLY, LH rear	132 911		SCREW, machine (5)
107 685 H1		TUBE and NUT ASSEMBLY, RH rear	HL-3430		ELBOW, water trap (2)
166 824 H1		LUG, coupling to bolster	HA-791		ELBOW, injector pump
104 382 H1		SPACER	119 896 H1		CONNECTOR, straight
			173 047 H1		DRAWING, fuel lines schematic
			1 088 101 R1		PAMPHLET, installation

NOTE: Kit no longer available. Service parts will be furnished.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WHEEL BASE EXTENSION KIT (D-236) (For units equipped with Backhoe)			<u>HYDRAULIC STEERING LINES</u>		
173 046 H1	KIT, wheel base extension		163 380 H1	HOSE ASSEMBLY, left turn steering valve to cylinder	
169 528 H1	BOLSTER, rear axle		169 527 H2	HOSE ASSEMBLY, right turn steering valve to cylinder	
158 833 H1	BUSHING, bolster (2)		<u>FUEL SYSTEM</u>		
25 158 R1	SCREW, 3/4"NF x 3-1/4" cap (Axle to bolster) (8)		172 746 H1	TANK, fuel	
171 565 H1	SPACER (2)		172 747 H2	TUBE, filler	
<u>REAR DRIVE SHAFT ASSEMBLY</u>			172 837 H1	LUG, mounting (Tank to frame)	
169 524 H1	SHAFT ASSEMBLY, rear drive		172 838 H1	SPACER	
173 736 H1	SLEEVE YOKE and SHAFT ASSY.		181 433	SCREW, 1/2"NF x 1-3/4" cap (Tank to frame)	
109 461	FITTING, grease		103 323	WASHER, 1/2" lock (Tank to frame)	
154 084 H1	CAP		103 028	NUT, 1/2"NF hex (Tank to frame)	
154 085 H1	WASHER, steel		444 576	PLUG, 1/4" pipe (2)	
645 147 R1	WASHER, cork		144 444 H1	TUBE, feed line	
127 573 R91	KIT, journal and bearing, axle end		132 963 H1	TUBE, return line	
645 141 R1	RING, retaining (4)		101 497 H1	ELBOW	
109 454	FITTING, grease		30 402 D	ELBOW w/o NUT	
913 774 R91	KIT, journal and bearing, transmission end		29 898 D	NUT, tube	
154 074 H1	RING, retaining (4)		414 504 C1	INSERT	
109 454	FITTING, grease		36 391 D	ELBOW, w/o NUT	
913 716 R1	GASKET, journal (4)		29 899 D	NUT, tube	
<u>DRAG LINK</u>			252 374 R1	ELBOW w/o NUT	
169 541 H1	LINK, steering drag		29 898 D	NUT, tube	
26 935 H	BEARING, ball stud (Drag link ends) (4)		414 504 C1	INSERT	
145 862 H1	PLUG (Drag link ends) (2)		155 932 H2	GASKET, filler tube	
26 935 H	SPRING (Drag link ends) (2)		181 364	SCREW, 3/8"NF x 1" cap (Filler tube to tank) (4)	
120 655 H1	GUIDE, spring (Drag link ends) (2)		103 321	WASHER, 3/8" lock (Filler tube to tank) (4)	
145 863 H1	SEAT (Drag link ends) (2)		891 421 C1	SENDER, fuel level (Used w/ GAUGE, 187 315 H2)	
<u>BRAKE LINES</u>			890 979 C1	SENDER, fuel level (Used w/ GAUGE, 885 308 C1)	
169 525 H2	HOSE, brake (Coupling to tee)		271 585	SCREW, 5/8"NF x 1-3/4" cap	
166 824 H1	LUG, tee to bolster		271 588	SCREW, 5/8"NF x 2-1/4" cap	
169 677 H1	ADAPTER, RH (Rear brake hose to tee)		107 755 H1	GASKET, fuel tank sender	
134 994 H1	TUBE ASSEMBLY, LH - Rear		120 217	WASHER, lock (5)	
107 685 H1	TUBE ASSEMBLY, RH - Rear		132 911	SCREW, machine (5)	
166 824 H1	LUG, coupling to bolster		HL-3430	ELBOW, water trap (2)	
104 382 H1	SPACER		HA-791	ELBOW, injection pump	
			119 896 H1	CONNECTOR, straight	
			173 047 H1	DRAWING, fuel lines schematic	
			1 088 101 R1	PAMPHLET, installation	

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION
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WHEELBASE EXTENSION KIT (G-263)

(For units equipped with Backhoe)

169 523 H1	KIT, wheelbase extension
169 528 H1	BOLSTER, rear axle
158 833 H1	BUSHING, bolster (2)
25 158 R1	SCREW, 3/4"NF x 3-1/2" cap (Axle to bolster) (8)
171 565 H1	SPACER (2)

REAR DRIVE SHAFT ASSEMBLY

169 524 H1	SHAFT ASSEMBLY, rear drive
173 736 H1	SLEEVE YOKE and SHAFT ASSEMBLY
109 461	FITTING, grease
154 084 H1	CAP
154 085 H1	WASHER, steel
645 147 R1	WASHER, cork
127 573 R91	KIT, journal and bearing (Axle end)
645 141 R1	RING, retaining (4)
109 454	FITTING, grease
913 774 R91	KIT, journal and bearing (Trans- mission end)
154 074 H1	RING, retaining (4)
109 454	FITTING, grease
913 716 R1	GASKET, journal (4)

DRAG LINK

169 541 H1	LINK, steering drag
26 935 H	BEARING, ball stud (Drag link ends) (4)
145 862 H1	PLUG (Drag link ends) (2)
26 936 H	SPRING (Drag link ends) (2)
120 655 H1	GUIDE, spring (Drag link ends) (2)
145 863 H1	SEAT (Drag link ends) (2)

BRAKE LINES

169 525 H2	HOSE, brake (Coupling to tee)
166 824 H1	LUG (Tee to bolster)
169 677 H1	ADAPTER, RH (Rear brake hose to tee)
134 994 H1	TUBE and NUT ASSEMBLY, LH rear
166 824 H1	LUG, coupling to bolster
104 382 H1	SPACER

REF. NO.	PART NUMBER	DESCRIPTION
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HYDRAULIC STEERING LINES

163 380 H1	HOSE ASSEMBLY, left turn steering valve to cylinder
169 527 H2	HOSE ASSEMBLY, right turn steering valve to cylinder

FUEL SYSTEM

172 746 H1	TANK, fuel
172 747 H2	TUBE, filler
172 837 H1	LUG, mounting (Tank to frame)
172 838 H1	SPACER
181 433	SCREW, 1/2"NF x 1-3/4" cap (Tank to frame)
103 323	WASHER, 1/2" lock (Tank to frame)
103 028	NUT, 1/2"NF hex (Tank to frame)
444 576	PLUG, 1/4" pipe (2)
101 496 H1	TUBE, tank to fuel pump
140 580	CLAMP
155 932 H2	GASKET, filler tube
181 364	SCREW, 3/8"NF x 1" cap (Filler tube to tank) (4)
103 321	WASHER, 3/8" lock (Filler tube to tank) (4)
29 899 D	TUBE NUT, fuel pump
101 497 H1	ELBOW, tank
891 421 C1	SENDER, fuel level (Used w/ GAUGE, 187 315 H2)
890 979 C1	SENDER, fuel level (Used w/ GAUGE, 885 308 C1)
271 585	SCREW, 5/8"NF x 1-3/4" cap
271 588	SCREW, 5/8"NF x 2-1/4" cap
107 755 H1	GASKET, fuel tank sender
120 217	WASHER, lock (5)
132 911	SCREW, machine (5)
173 047 H1	DRAWING, fuel lines schematic
1 088 101 R1	PAMPHLET, installation

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION
DRAWBAR		
	185 342 H1	KIT, drawbar
	185 334 H1	DRAWBAR
	185 338 H1	SCREW, cap (Drawbar and counter-weight mounting) (4)
	185 339 H1	PIN ASSEMBLY, drawbar
	185 340 H1	PIN
	186 021 H1	PIN, roll (Large)
	185 333 H1	PIN, roll (Small)

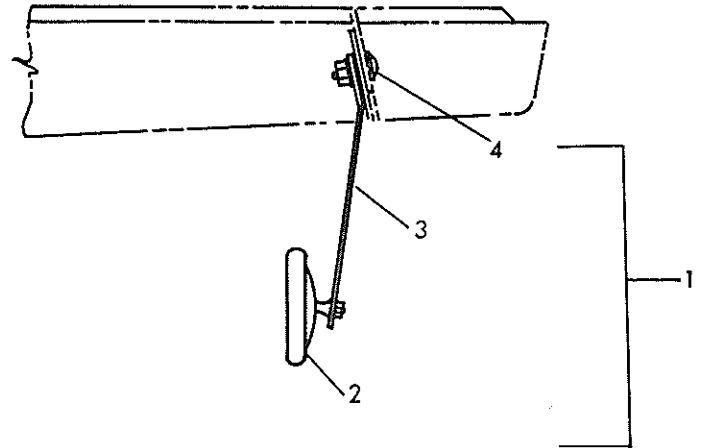
WHEELS WITH WIDE RIM BASE

174 896 H1	KIT, wheels with wide rim base
174 897 H1	WHEEL (4)
138 547 H1	RING, lock (4)
138 546 H1	FLANGE (4)

REAR PUSHER PLATE

218 006 H1	KIT, rear pusher plate (See NOTE 1) (Consists of the following parts -
213 536 H1	PLATE, pusher
271 634	BOLT, 3/4"NF x 2" (6)
103 326	WASHER, 3/4" lock (6)
218 197	NUT, 3/4"NF hex (6)
217 991 H1	INSTALLATION DRAWING

REF. NO.	PART NUMBER	DESCRIPTION
REAR VIEW MIRROR KIT		



CE-90760

1	885 648 C91	KIT, rear view mirror (See NOTE 1)
2	189 961 H1	MIRROR
3	181 858 H1	BRACKET, mounting
4	157 831	SCREW, windshield to cab
	181 857 H1	DRAWING, installation

NOTE 1: Order on Machine Order form.

NOTE 1: Order on Machine Order form.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
LOGGER CYLINDER					
	887 694 C95	CYLINDER ASSEMBLY (Used only on units equipped w/Logger Attachment) (Consists of the following parts except reference numbers 26 thru 30)	7	626 111 C1	BUSHING (Used w/HALF, 922 637 C1)
1	887 686 C2	CYLINDER w/BUSHING, 887 689 C1	8	171 385 H1	RING, lock (2)
2	887 689 C1	BUSHING	9	878 158 C3	HALF, piston (Bolt holes go through) (Order the following parts - 2 BUSHING 626 111 C1 1 HALF 922 636 C1 1 HALF 922 637 C1 2 SEAL 625 668 C1)
3	878 150 C2	BUSHING	9	922 637 C1	HALF, piston (Bolt holes do not go through)
4	878 068 C1	SEAL (Used w/HALF, 878 158 C3) (2) (Order the following parts - 2 BUSHING 626 111 C1 1 HALF 922 636 C1 1 HALF 922 637 C1 2 SEAL 625 668 C1)	10	891 538 C1	RING, retaining
4	625 668 C1	SEAL (Used w/HALF, 922 637 C1) (2)	11	878 140 C1	BUSHING
5	26 112 R1	BOLT, 1/2"NC x 3" (8)	12	891 537 C1	PACKING, rod
6	896 423 C1	HALF, piston (Used w/HALF, 878 158 C3) (Order the following parts - 2 BUSHING 626 111 C1 1 HALF 922 636 C1 1 HALF 922 637 C1 2 SEAL 625 668 C1)	13	876 099 C1	"O" RING
6	922 636 C1	HALF, piston (Used w/HALF, 878 158 C3)	14	891 539 C1	WASHER, backup
			15	891 540 C91	GLAND w/BUSHING, 878 150 C2
			16	878 385 C1	RING, cord
			17	155 989 H2	RING, lock (3)
			18	878 169 C91	SEAL
			19	878 157 C1	CAP

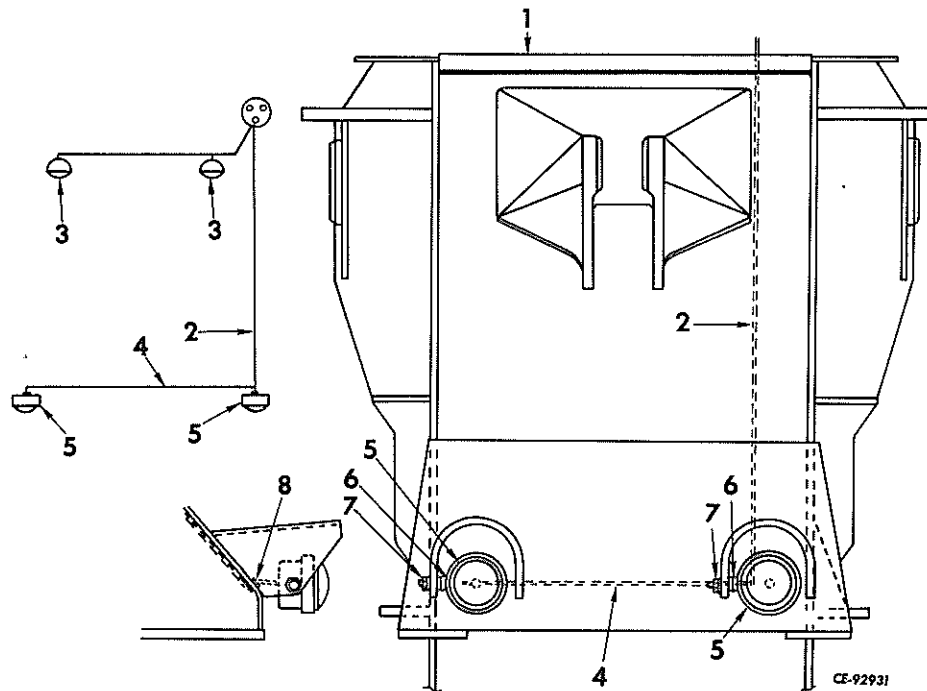
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
LOGGER CYLINDER — Continued					
20	111 328	WASHER, 3/8" lock (6)			
21	179 837	BOLT, 3/8"NC x 3/4" (6)			
22	883 277 C2	RING, backup. (4)			
23	876 089 C1	"O" RING (2)			
24	887 691 C91	ROD w/BUSHING, 887 693 C1			
25	887 693 C1	BUSHING			
26		PINLOCK (See "Boom" in Section 1)			
27		RING, cord (See "Boom" in Section 1)			
28		SPACER (See "Boom" in Section 1)			
29		RING, cord (See "Boom" in Section 1)			
30		SHIM (See "Boom" in Section 1)			
31	109 461	FITTING, grease			
32	109 461	FITTING, grease			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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LOW LEVEL HEAD LIGHT KIT

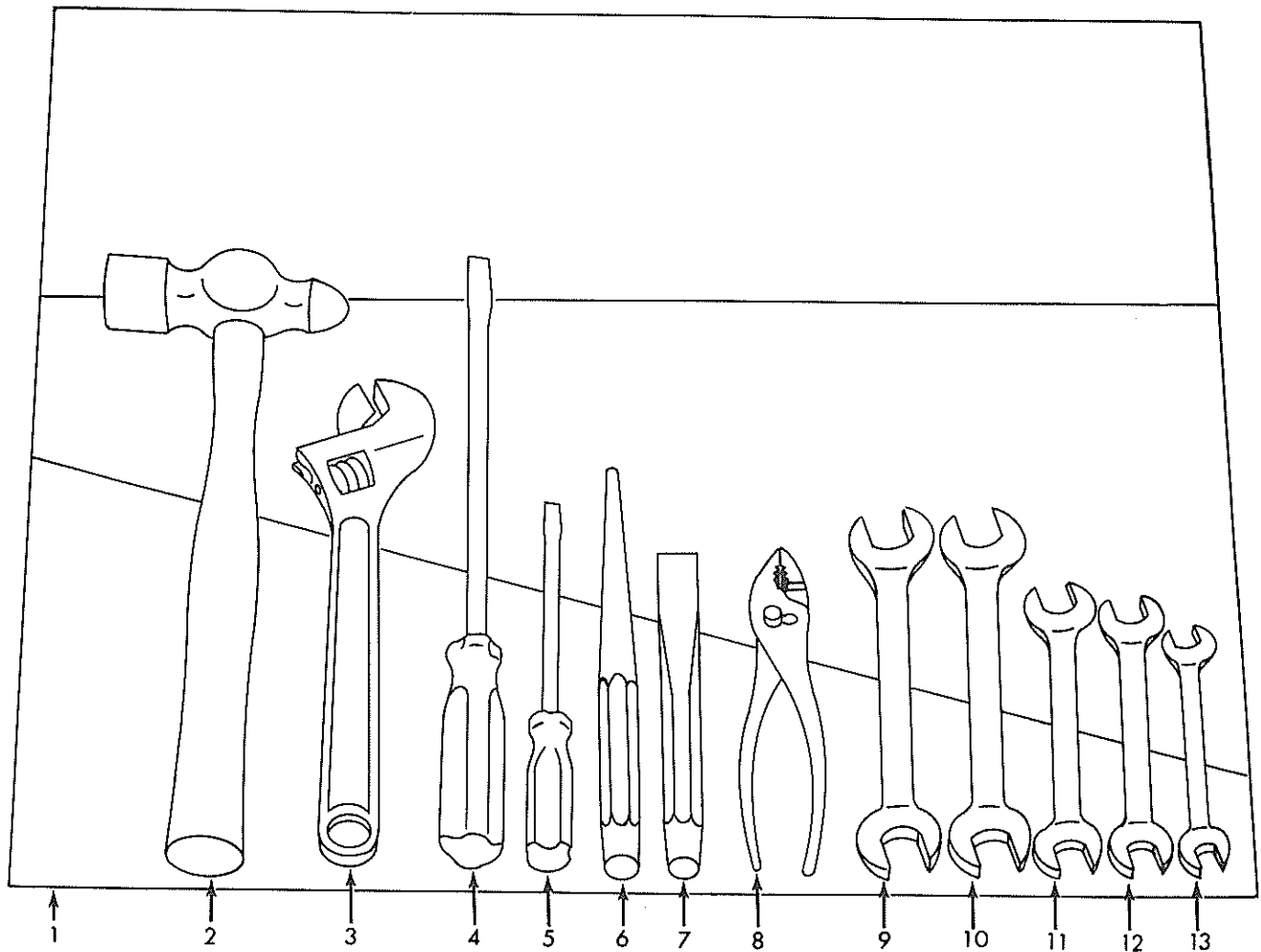


1		FRAME, front (See "Main Frame" in Section 1)	6	176 749 H1	WASHER (4)
2	878 011 C1	CABLE, lamp to switch	7	18 452 R1	NUT, 1/2"-20 NF Esna (2)
3		LAMP, front driving (See "Front and Rear Driving Lamp" in Section 12)	8	109 692 H1	BUSHING, rubber (2)
4	877 586 C1	CABLE, lamp to lamp		FGH-10141	DRAWING, installation and wiring
5		LAMP, low level head (See "Front and Rear Driving Lamp in Section 12)		877 857 C1	SUPPORT, lamp (To be welded to frame) (2)

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TOOL SET (13-Piece)
(Owatonna Tool Company)



PL-43351-1A

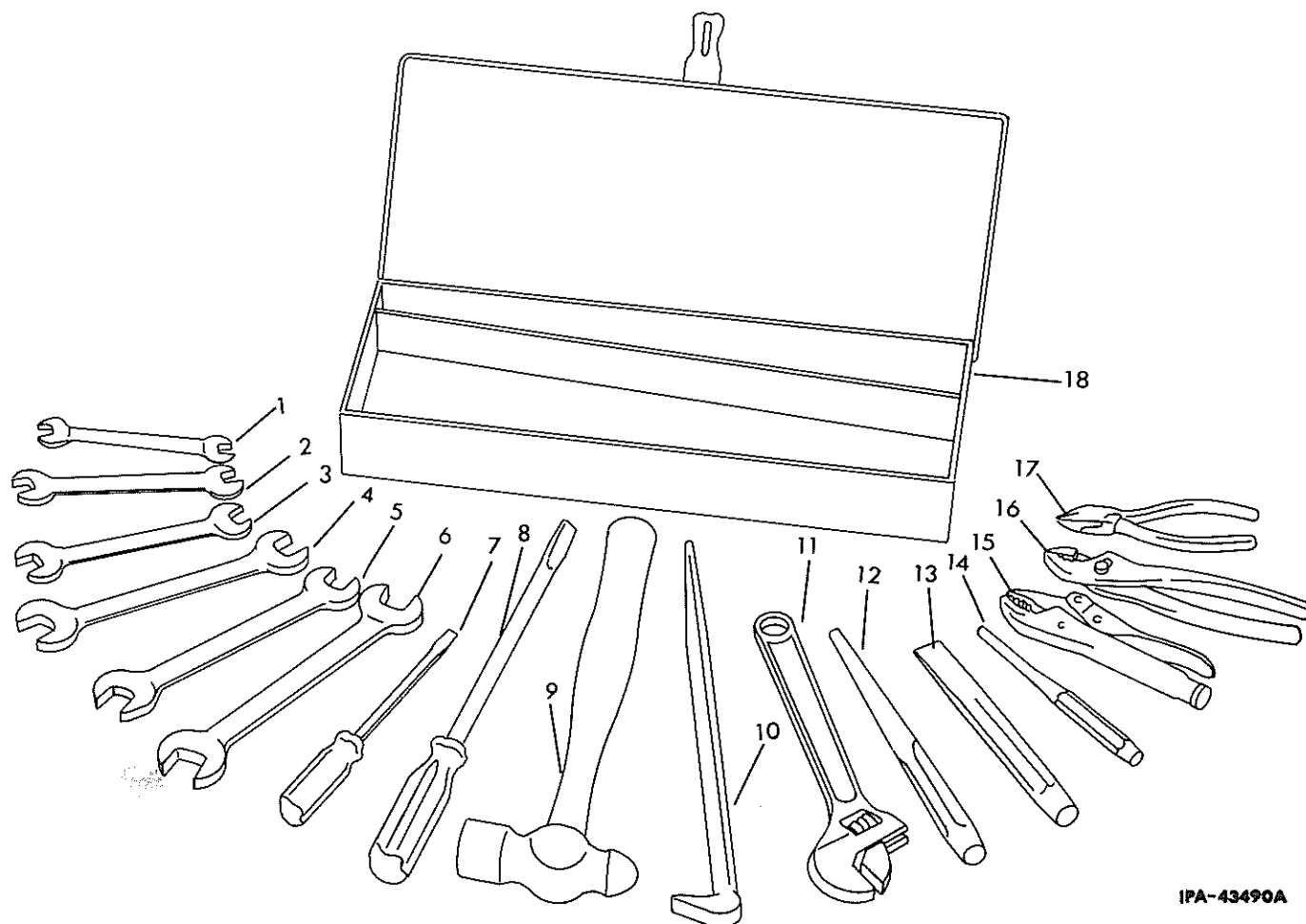
TOOL SET (Consists of twelve tools and leatherette tool roll) (I.H. Part No. 276 822 R91) (See NOTE)			8	1712-A	PLIERS (Slip joint - 8" long)
1	ED-1133	ROLL, tool (Leatherette)	9	E-2426	WRENCH, end (3/4 x 13/16")
2	BP-32	HAMMER (2-lb. - ball peen)	10	E-2628	WRENCH, end (13/16 x 7/8")
3	DA-12	WRENCH (Adjustable - 12" long)	11	E-2022	WRENCH, end (5/8 x 11/16")
4	SS-123	SCREWDRIVER (3/8" shank)	12	E-1820	WRENCH, end (9/16 x 5/8")
5	SS-83	SCREWDRIVER (1/4" shank)	13	E-1416	WRENCH, end (7/16 x 1/2")
6	TP-24	PUNCH (10" long)			
7	CC-24	CHISEL (8" long)			

NOTE: Order Individual Tools and Complete Tool Sets from:
Service Tools, Inc.
1901 So. Indiana Ave.
Chicago, Illinois 60616

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TOOL SET (18-Piece)
(Owatonna Tool Co.)



IPA-43490A

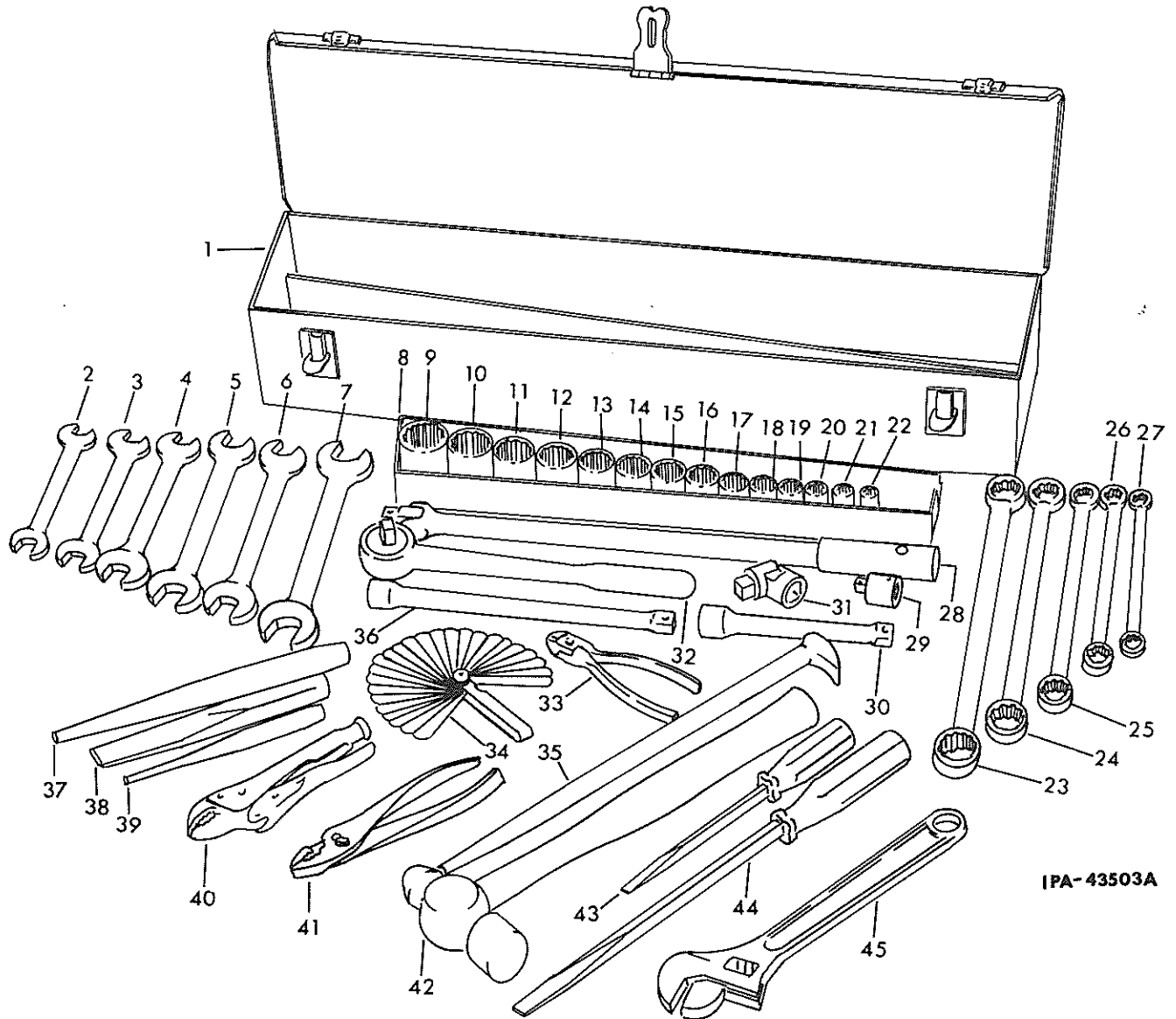
TOOL SET (Consists of seventeen tools and tool box) (See NOTE) (I.H. Part Number, 276 820 R91)			11	DA-12	WRENCH (12" adjustable)
			12	TP-24	PUNCH (5/16" bit x 10" long)
1	E-1416	WRENCH, end (7/16 x 1/2")	13	CC-24	CHISEL (7/8" bit x 8" long)
2	E-1820	WRENCH, end (9/16 x 5/8")	14	PP-6	PUNCH (3/16" bit x 10" long)
3	E-2022	WRENCH, end (5/8 x 11/16")	15	719	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-32	BAR, pry (9/16" rd. x 16" long)			

NOTE: Order individual tools and complete tool sets from:
Service Tools, Inc.
1901 So. Indiana Ave.
Chicago, Illinois 60616

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TOOL SET (44-Piece)
(Owatonna Tool Co.)



IPA-43503A

TOOL SET (Consists of forty-three tools and tool box) (I.H. Part Number, 276 821 R91) (See NOTE)			9	140	SOCKET (1-1/4")
1	H-391	BOX, tool	10	138	SOCKET (1-3/16")
2	E-1416	WRENCH, end (7/16 x 1/2")	11	136	SOCKET (1-1/8")
3	E-1820	WRENCH, end (9/16 x 5/8")	12	134	SOCKET (1-1/16")
4	E-2022	WRENCH, end (5/8 x 11/16")	13	132	SOCKET (1")
5	E-2426	WRENCH, end (3/4 x 13/16")	14	130	SOCKET (15/16")
6	E-2628	WRENCH, end (13/16 x 7/8")	15	128	SOCKET (7/8")
7	E-3032	WRENCH, end (15/16 x 1")	16	126	SOCKET (13/16")
8	195	TRAY	NOTE: Order individual tools and complete tool sets from: Service Tools, Inc. 1901 So. Indiana Ave. Chicago, Illinois 60616		

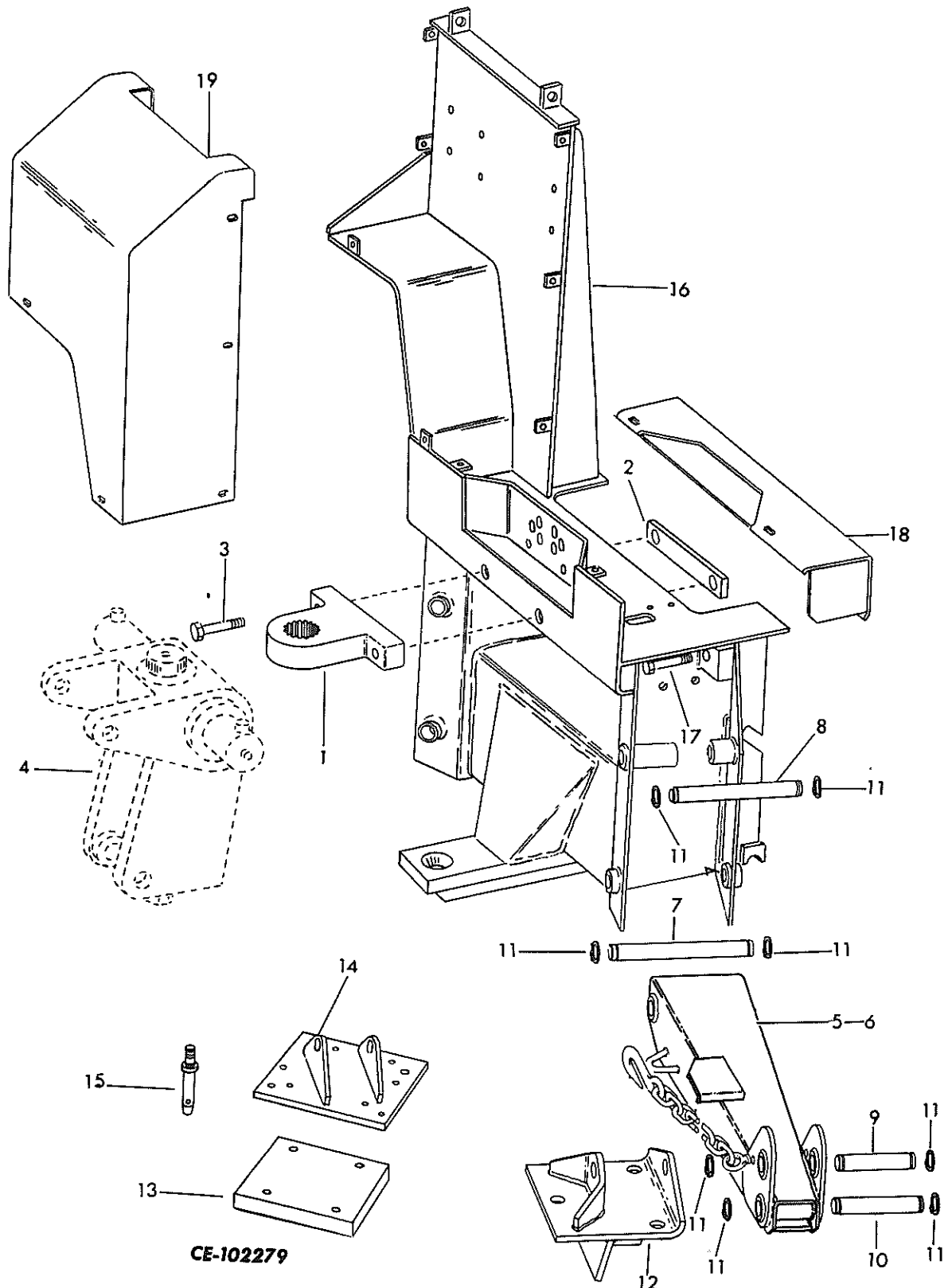
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TOOL SET (44-Piece) — Continued (Owatonna Tool Co.)					
17	124	SOCKET (3/4")			
18	122	SOCKET (11/16")			
19	120	SOCKET (5/8")			
20	118	SOCKET (9/16")			
21	116	SOCKET (1/2")			
22	114	SOCKET (7/16")			
23	B-3032	WRENCH, box (15/16 x 1")			
24	B-2028	WRENCH, box (13/16 x 3/4")			
25	B-2024	WRENCH, box (5/8 x 3/4")			
26	B-1820	WRENCH, box (9/16 x 5/8")			
27	B-1416	WRENCH, box (7/16 x 1/2")			
28	H-177	HANDLE, flex			
29	D-1612	ADAPTER (1/2" female, 3/8" male)			
30	H-172	EXTENSION (6")			
31	H-189	JOINT, universal			
32	H-163	RATCHET (Reversible)			
33	700-B	CUTTER, diagonal (6")			
34	861	GAUGE, feeler (25 Blades)			
35	PB-43	BAR, pry (9/16" rd. x 16" long)			
36	H-173	EXTENSION (10")			
37	TP-24	PUNCH (5/16" bit x 10" long)			
38	CC-24	CHISEL (7/8" bit x 8" long)			
39	PP-6	PUNCH (3/16" bit x 7" long)			
40	719	WRENCH, vise grip (7")			
41	712-A	PLIER (Slip joint, 8")			
42	BP-32	HAMMER (Ball peen)			
43	SS-83	SCREWDRIVER (1/4" shank)			
44	SS-123	SCREWDRIVER (3/8" shank)			
45	DA-12	WRENCH (12" adjustable)			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Swing Unit, Backhoe Main Frame and Stabilizers)



CE-102279

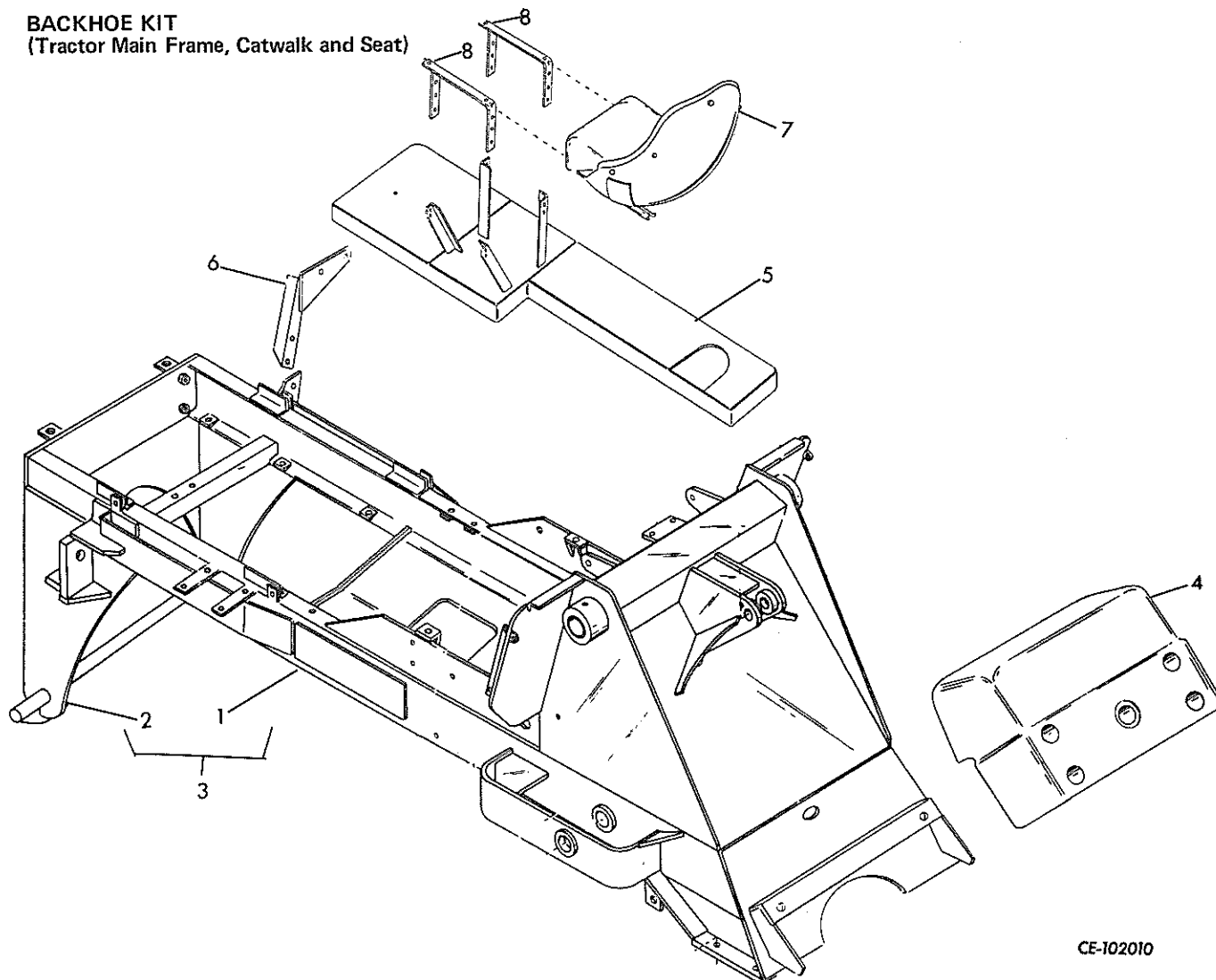
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACKHOE KIT — Continued (Swing Unit, Backhoe Main Frame and Stabilizers)					
1	468 389 R21	MOUNT, top swing			
2	199 662 H1	BAR, back-up			
3	21 850 R1 384 697 R1 218 200	SCREW, mount to frame (2) WASHER (4) NUT, 7/8"NF (2)			
4	118 491 H1	SWING UNIT FITTING, lube			
5	468 655 R13	STABILIZER ASSY., LH			
6	468 656 R13	STABILIZER ASSY., RH			
7	468 635 R2	PIN, stabilizer to frame (2)			
8	468 638 R2	PIN, stabilizer cylinder to frame (2)			
9	468 637 R1	PIN, stabilizer to cylinder (2)			
10	468 636 R1	PIN, stabilizer to pad (2)			
11	468 283 R1	RING, external retaining (16)			
12	469 260 R91 468 392 R11	PACKAGE, pad trenching (Includes (2) PADS, 468 392 R11) PAD, trenching (2)			
13	469 107 R91 469 108 R2 18 733 R1 131 046 220 086	PACKAGE, pad street (Optional) PAD, street (2) BOLT, 3/4-10 x 2-1/2" (8) WASHER, 3/4" lock (8) NUT, 3/4-10 (8)			
14	469 102 R91 469 103 R91 469 104 R91	PACKAGE, pad sod (Optional) PAD, sod (Left) PAD, sod (Right)			
15	525 921 R1 131 047	PIN, hitch (Part of PACKAGE, 469 102 R91) (8) WASHER, 7/8" lock (8)			
16	220 463 H1	FRAME, backhoe main			
17	199 648 H1 272 512 121 326 106 270 216 353	BLOCK, main frame stop (2) SCREW, 1"NF x 9" cap (Frame to carrier) (2) WASHER, 1" lock (2) WASHER, 1" flat (2) NUT, 1"NF (2)			
18	220 505 H1 181 360 106 263 103 321	ENCLOSURE, tubes SCREW, 3/8"NF x 3/4" cap (2) WASHER, flat (2) WASHER, lock (2)			
19	220 504 H3 181 360 106 263 103 321	ENCLOSURE, valve and control SCREW, 3/8"NF x 3/4" cap WASHER, flat (7) WASHER, lock (7)			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Tractor Main Frame, Catwalk and Seat)



CE-102010

875 676 C91	BACKHOE KIT (14-1/2 ft. reach) (Consists of all parts listed under "Backhoe Kit") (See NOTES 1 and 2)	6	199 895 H1 181 431 103 323 103 028 181 370 181 364 103 321 103 026	SUPPORT, catwalk SCREW, 1/2"NF x 1/2" cap (Support to frame) (2) WASHER, 1/2" lock (Support to frame) (2) NUT, 1/2"NF (Support to frame) (2) SCREW, 3/8"NF x 1-1/4" cap (Catwalk to fuel tank) (2) SCREW, 3/8"NF x 1" cap (Catwalk to fuel tank) (2) WASHER, 3/8" lock (4) NUT, 3/8"NF (4)
1	MAIN FRAME (Not furnished separately)			
2	199 631 H1 CARRIER			
3	203 652 H2 MAIN FRAME COMPLETE			
4	175 401 H1 COUNTERWEIGHT 273 027 SCREW, 3/4"NF x 6-1/2" cap (Counterweight mounting) (2) 103 346 WASHER, 3/4" flat (Counter- weight mounting) (2) 103 326 WASHER, 3/4" lock (Counter- weight mounting) (2) 218 197 NUT, 3/4"NF (Counterweight mounting) (2)			
5	199 887 H1 CATWALK			

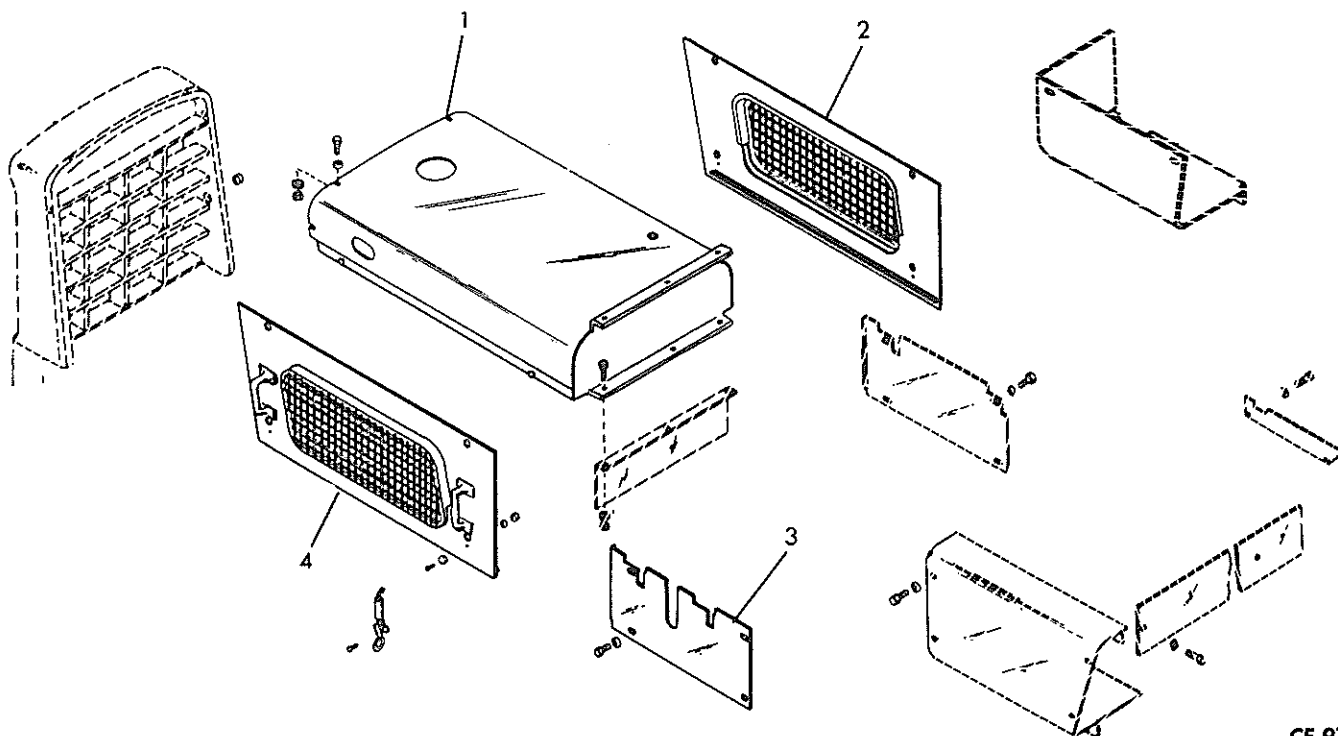
NOTE 1: Order on Machine Order Form.

NOTE 2: Service parts for I.H. Backhoe built
prior to January 1, 1971, refer to
I.H. Backhoe Manual, 1 088 099 R2.

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACKHOE KIT — Continued (Tractor Main Frame, Catwalk and Seat)					
7	702 760 C92	SEAT (Includes CUSHION, 619 779 C91 and BACKREST, 619 780 C1)	8	186 015 H1	SUPPORT, seat (2)
	181 340	BOLT, 5/16"NF x 1-1/8" (8)		181 340	SCREW, 5/16"NF x 1-1/8" cap (Support to catwalk) (8)
	103 320	WASHER, 5/16" lock (8)		103 320	WASHER, 5/16" lock (Support to catwalk) (8)
	103 025	NUT, 5/16"NF hex (8)		103 025	NUT, 5/16"NF (Support to catwalk) (8)

BACKHOE KIT (Sheet Cowling)



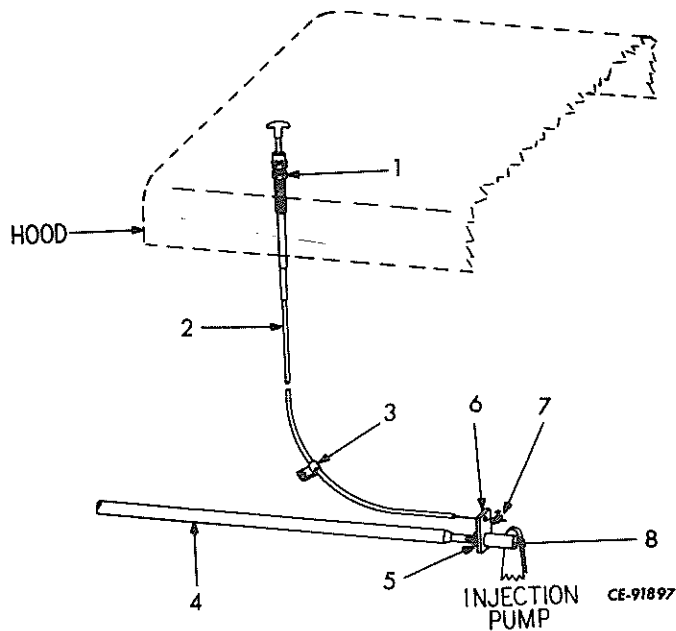
CE-91896

1	206 799 H1	HOOD, rear	132 226 H1	SCREW, latch to panel (12)
2	206 785 H1	PANEL ASSEMBLY, LH	120 217	WASHER, No. 10 lock (12)
3	203 560 H1	PANEL	120 614	NUT, No. 10-32 (12)
4	206 784 H1	PANEL ASSEMBLY, RH	221 958 H1	SUPPORT, stop light

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION
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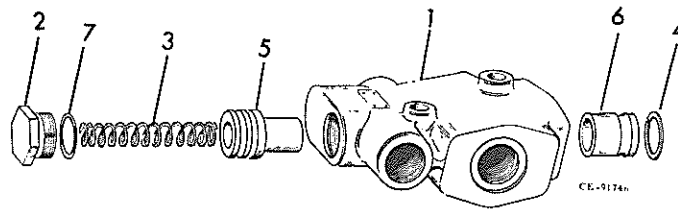
BACKHOE KIT (Hand Throttle Group)



REF. NO.	PART NUMBER	DESCRIPTION
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- | | | |
|---|-------------|--|
| 1 | | NUT, cable (Not furnished separately) |
| 2 | 161 915 H1 | CABLE, throttle control |
| 3 | 163 501 H1 | CLIP, casing |
| 4 | | ROD, throttle (See "Accelerator Linkage" in Section 9) |
| 5 | | NUT, jam (See "Accelerator Linkage" in Section 9) |
| 6 | 206 800 H1 | PLATE |
| 7 | 879 100 C91 | CLAMP, core |
| 8 | | JOINT, ball (See "Accelerator Linkage" in Section 9) |

BACKHOE KIT (Backhoe Flow Divider)

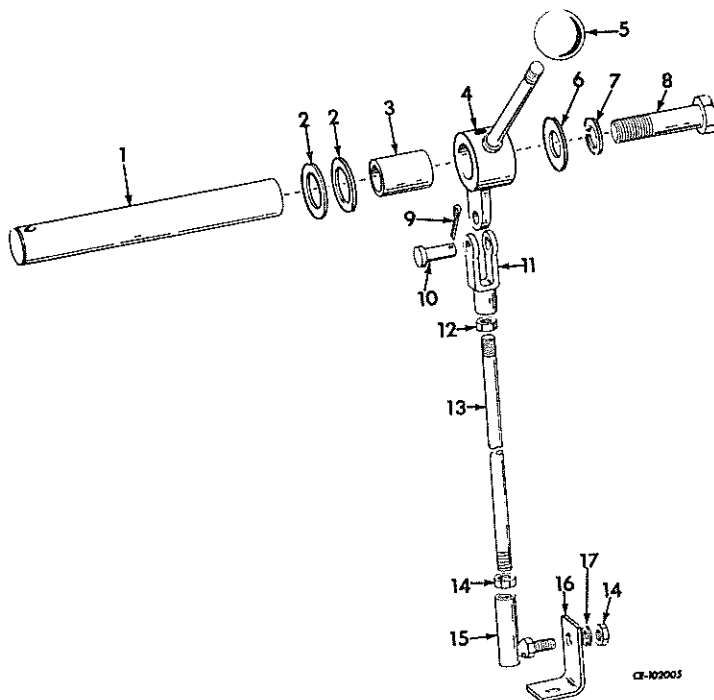


- | | | | | | |
|------------|---------------------------------|--------|---|------------|------------------------------|
| 220 128 H2 | FLOW DIVIDER | | 4 | 303 322 R1 | RING, retaining |
| 186 309 | SCREW, 3/8" NF x 3-1/4" cap (2) | | 5 | 157 486 H1 | PISTON |
| 103 321 | WASHER, 3/8" lock (2) | | 6 | 890 535 C1 | PISTON |
| 103 026 | NUT, 3/8" NF (2) | | 7 | 350 818 R1 | "O" RING |
| 1 | 875 667 C1 | BODY | | 181 294 H1 | SCREW, drive (Nameplate) (2) |
| 2 | 921 234 C1 | PLUG | | | |
| 3 | 157 487 H1 | SPRING | | | |

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION
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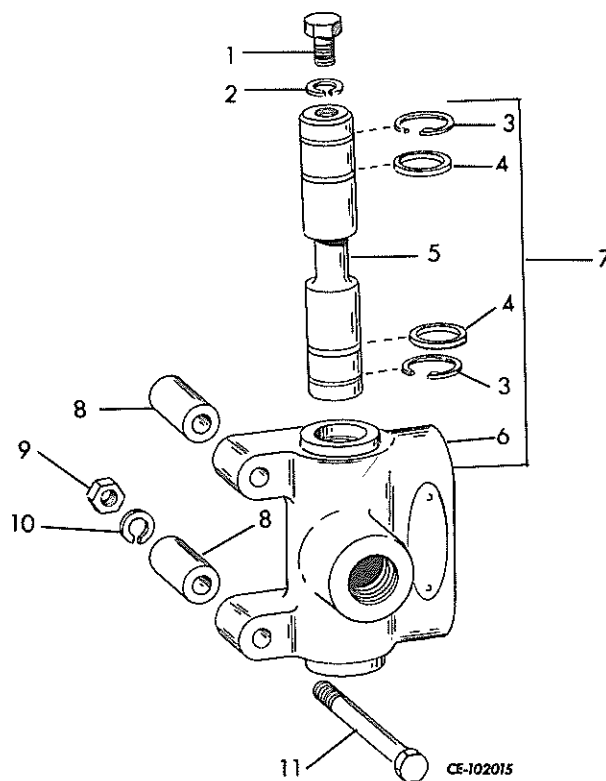
BACKHOE KIT (Selector Valve Linkage)



1		PIN, lever mounting (See "Valve Control Linkage" in Section 9)
2	103 348	WASHER, 1" flat (2)
3	144 301 H1	SLEEVE
4	126 471 H1 109 461	LEVER FITTING, grease
5	923 134 C1	KNOB
6	106 267	WASHER, 5/8" flat
7	103 325	WASHER, 5/8" lock
8	271 564	SCREW, 5/8 x 2-1/2" cap
9	107 762	COTTER
10	114 784	PIN
11	104 037	CLEVIS, 5/16"
12	103 025	NUT, 5/16"NF hex (2)
13	203 774 H1	ROD
14	103 026	NUT, 3/8"NF hex (2)
15	158 397 H1	JOINT, ball
16	203 775 H1	BRACKET
17	103 321	WASHER, 3/8" lock

REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Selector Valve)

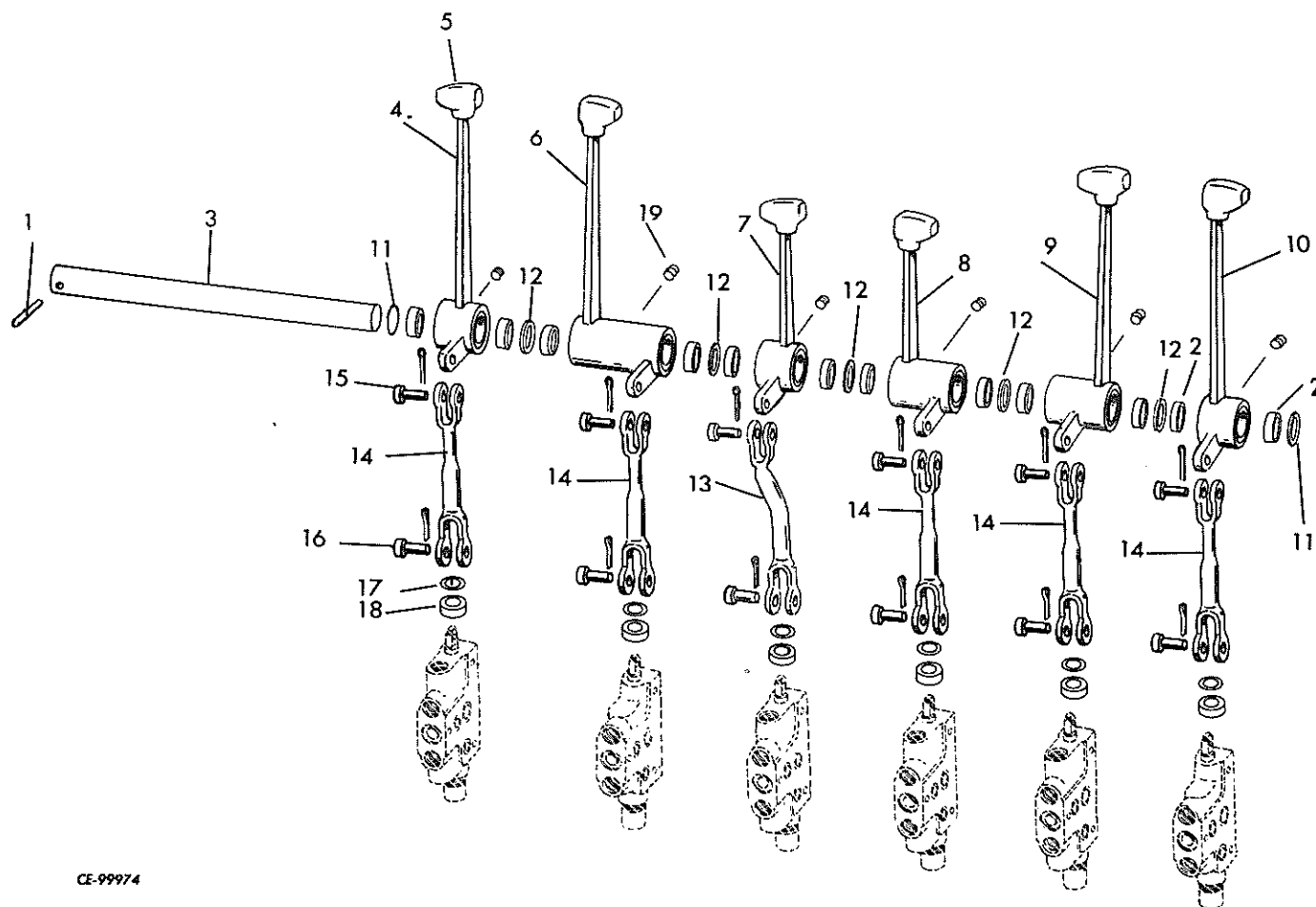


1	179 835	SCREW, 3/8"NC x 5/8"
2	103 321	WASHER, 3/8" lock
3	669 545 R1	RING, snap (2)
4	669 544 R1	SEAL, quad ring (2)
5		SPOOL (Not furnished separately)
6		BODY (Not furnished separately)
7	192 829 H1	VALVE ASSEMBLY
8	203 776 H1	SPACER (2)
9	103 025	NUT, 5/16"NF
10	103 320	WASHER, 5/16" lock
11	217 220	BOLT, 5/16"NF x 3-3/4"

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Hydraulic Controls)



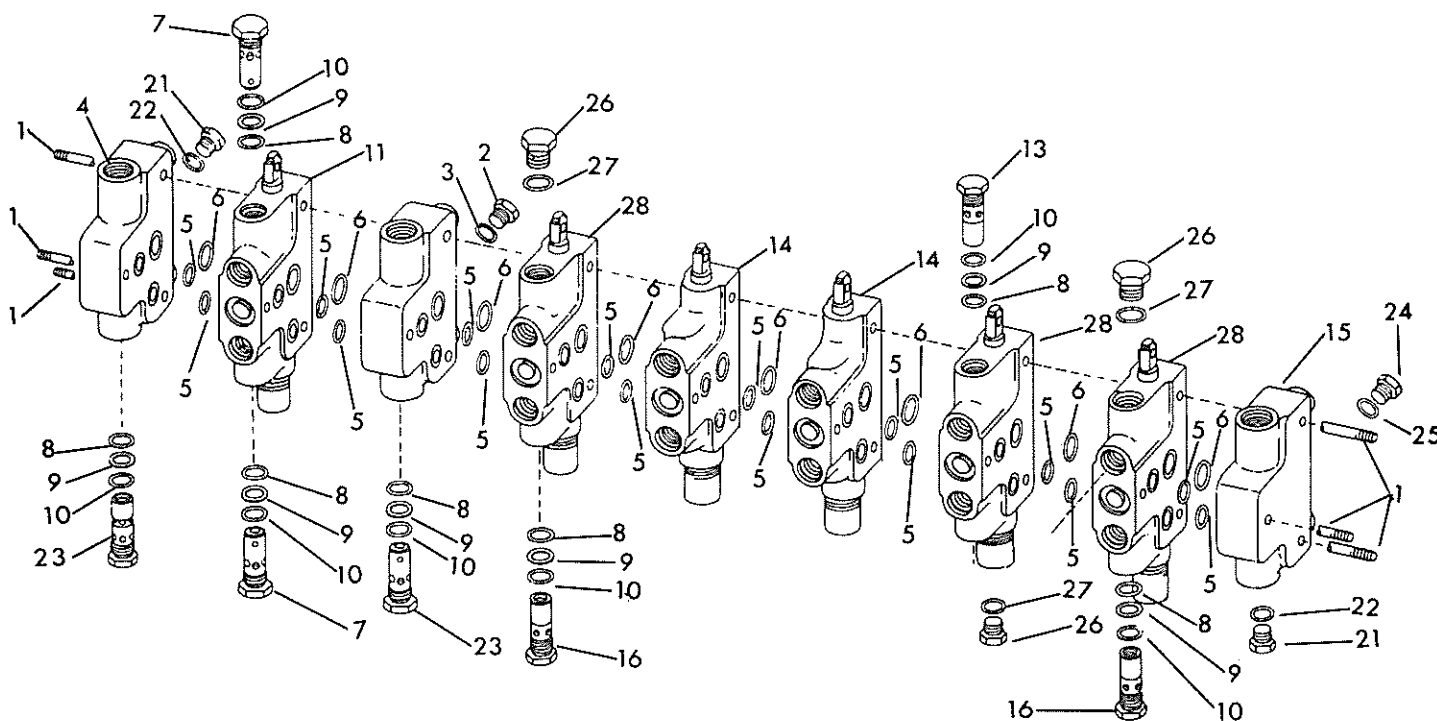
CE-99974

1	137 474 H1	PIN, shaft roll	10	220 253 H1 144 244 H1	LEVER, crowd BUSHING, crowd lever (2)
2	144 244 H1	BUSHING, lever (12)	11	307 915 R1	"O" RING, at ends (2)
3	220 260 H1 137 474 H1	SHAFT, valve levers PIN, roll shaft	12	293 739 R1	"O" RING, between bosses (5)
4	220 243 H1 144 244 H1	LEVER, swing BUSHING, swing lever (2)	13	220 263 H1	LINK, RH stabilizer lever to spool
5	468 708 R1	KNOB, levers (6)	14	220 261 H1	LINK, levers to spools (5)
6	220 245 H1 144 244 H1	LEVER, bucket BUSHING, bucket lever (2)	15	114 784	PIN and COTTER (6)
7	220 247 H1 144 244 H1	LEVER, stabilizer, RH BUSHING, stabilizer lever (2)	16	114 787	PIN and COTTER (6)
8	220 249 H1 144 244 H1	LEVER, stabilizer, LH BUSHING, stabilizer lever (2)	17	20 703 R1	WASHER, dust shield (6)
9	220 251 H1 144 244 H1	LEVER, boom BUSHING, boom lever (2)	18	543 201 R1	SEAL, dust (6)
			19	109 459	FITTING, lube control levers (6)
				163 501 H1 125 839 H1 206 800 H1	CLIP, casing CLAMP, core PLATE

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Control Valve Pack Assembly)



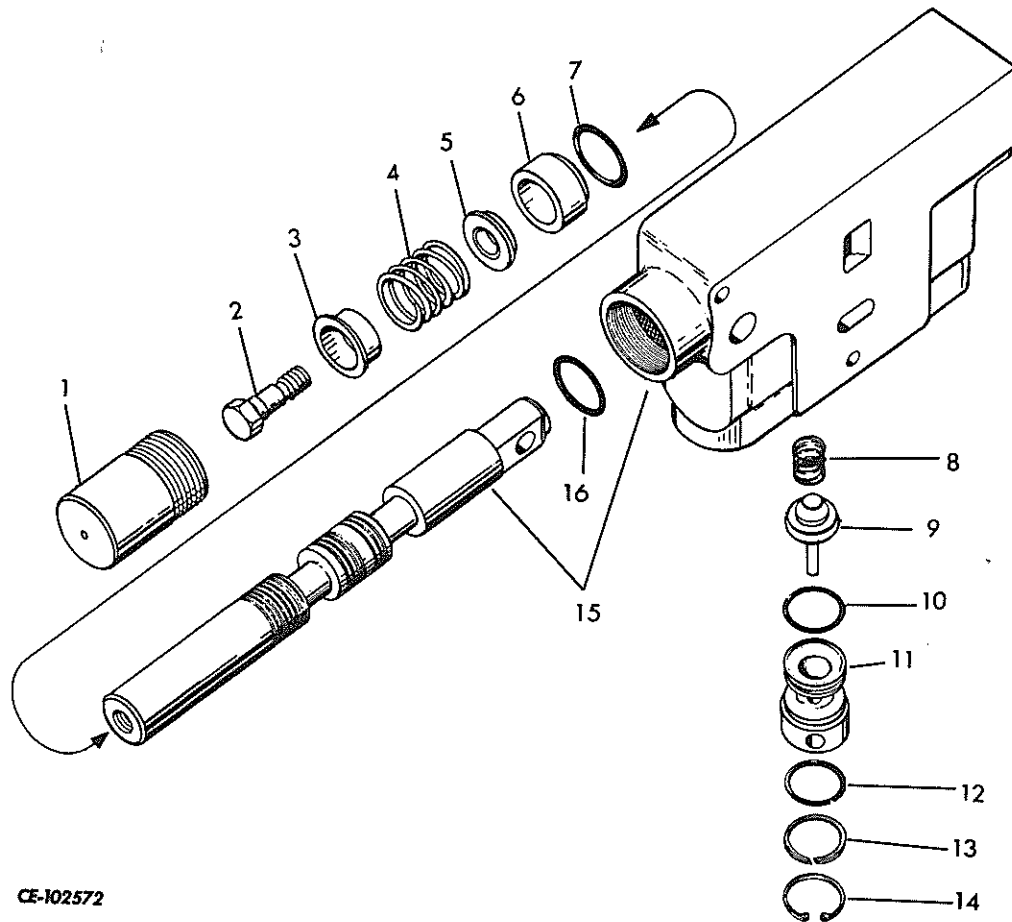
CE-99970

875 177 C96	VALVE ASSEMBLY, control	12	395 006 R2	COVER, center
179 883	BOLT, 1/2"NC x 1-1/4" (6)	13	382 479 R91	VALVE ASSEMBLY, relief
103 323	WASHER, 1/2" lock (6)	14	383 271 R95	VALVE ASSEMBLY (See "Break-down" in this section) (2)
	(Consists of the following parts -	15	392 970 R1	COVER, right side end
1	392 971 R1 ROD, tie (3)	16	382 479 R91	VALVE ASSEMBLY, relief (2)
	102 635 NUT, 3/8"NC (6)	21	9 410 360	PLUG (2)
	527 476 R1 WASHER, 3/8" lock (6)	22	364 885 R1	"O" RING (2)
2	9 410 362 PLUG	23	396 729 R92	VALVE ASSEMBLY (See "Break-down" in this section) (2)
3	297 459 R1 "O" RING	24	9 410 363	PLUG
4	392 968 R2 COVER, left side end	25	296 247 R1	"O" RING
5	381 884 R1 "O" RING (16)	26	378 899 R1	PLUG (3)
6	381 885 R1 "O" RING (8)	27	364 879 R1	"O" RING (3)
7	387 229 R91 VALVE ASSEMBLY (2)	28	394 705 R95	VALVE ASSEMBLY (See "Break-down" in this section) (3)
8	383 219 R1 "O" RING (10)			
9	378 985 R2 WASHER, back-up (10)			
10	364 879 R1 "O" RING (10)			
11	383 270 R94 VALVE ASSEMBLY (See "Breakdown" in this section)			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Control Valve)



CE-102572

	383 270 R94	VALVE ASSEMBLY	9	395 277 R1	POPPET w/SEAL
	383 271 R95	VALVE ASSEMBLY	10	364 879 R1	"O" RING
	394 705 R95	VALVE ASSEMBLY	11	383 280 R1	RETAINER
1	384 287 R1	CAP, spring centering	12	362 796 R1	"O" RING
2	384 288 R1	SCREW, spring centering	13	376 433 R1	WASHER
3	376 423 R1	RETAINER, spring centering	14	537 603 R1	RING, snap
4	384 381 R1	SPRING, centering	15		BODY ASSEMBLY (Not furnished separately) (Order VALVE ASSEMBLY)
5	376 421 R1	WASHER	16	380 839 R1	"O" RING
6	382 852 R1	RETAINER			
7	253 070 R1	"O" RING			
8	383 190 R1	SPRING, check poppet			
	383 279 R11	POPPET w/SEAL			

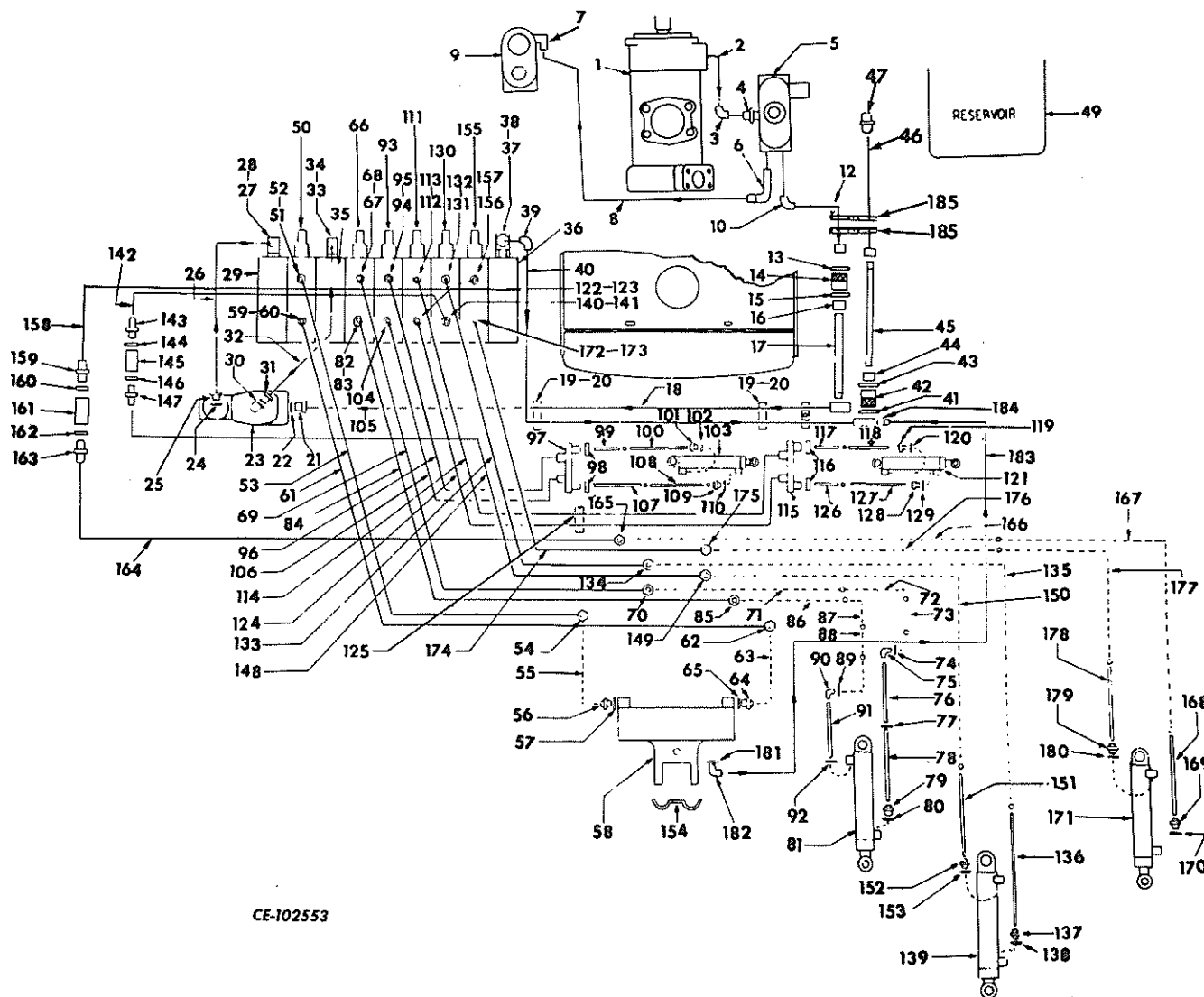
PRODUCT GRAPHICS

	2 751 154 R1	PRODUCT GRAPHIC, "Crowd Lift"
1 000 693 R3	2 752 531 R1	PRODUCT GRAPHIC, "Stabilizer"
	2 752 532 R1	PRODUCT GRAPHIC, "Bucket - Swing"
2 750 120 R1	2 753 295 R1	PRODUCT GRAPHIC, "3141" Model Symbol (2)
2 751 130 R1		

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Hydraulic Lines)



CE-102553

LINE — MAIN PUMP TO SELECTOR VALVE

1	PUMP (See "Main Pump" in Section 11)
2	134 793 H1 HOSE, pump to selector valve
3	9 410 283 ELBOW, 90°
4	9 402 711 ADAPTER, straight

6	9 410 283 ELBOW, 90°
7	9 402 867 ELBOW, 90°
8	134 793 H1 HOSE
9	VALVE (See "Control Valve" in Section 11)

LINE — SELECTOR VALVE TO DEMAND VALVE

5	VALVE (See "Selector Valve" in this section)
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LINE — SELECTOR VALVE TO FLOW DIVIDER

10	9 402 828 ELBOW, 45°
12	201 397 H1 TUBE
13	296 247 R1 "O" RING

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACKHOE KIT — Continued (Hydraulic Lines)					
<u>LINE — SELECTOR VALVE TO FLOW DIVIDER - Continued</u>			<u>LINE — CONTROL VALVE TO RESERVOIR</u>		
14	199 606 H1	COUPLING, quick disconnect	36		COVER, end (See "Valve Pack" in this section)
15	296 247 R1	"O" RING	37	297 459 R1	"O" RING
16	380 633 R1	ADAPTER	38	875 239 C1	UNION
17	189 582 H1	HOSE	39	9 410 285	ELBOW, 90°
18	220 130 H1	TUBE	40	220 132 H1	TUBE
19	875 233 C1	STRIP, top	41	296 247 R1	"O" RING
20	875 234 C1	CLAMP (4)	42	199 606 H1	COUPLING, quick disconnect
	181 361	BOLT, 3/8"NF x 7/8"	43	296 247 R1	"O" RING
	103 321	WASHER, 3/8" flat	44	9 410 207	ADAPTER
	103 026	WASHER, 3/8" lock	45	137 492 H1	HOSE
21	9 410 205	ADAPTER, straight	46	201 399 H1	TUBE
22	368 269 R1	"O" RING	47	9 410 207 296 247 R1	ADAPTER "O" RING
23		DIVIDER (See "Flow Divider" in this section)	49		RESERVOIR (See "Reservoir" in Section 11)
<u>LINE — FLOW DIVIDER TO CONTROL VALVE (REGULATOR PORT)</u>			<u>LINE — VALVE TO SWING - LEFT</u>		
24	368 269 R1	"O" RING	50		VALVE, swing (See "Valve Pack" in this section)
25	9 410 205	ADAPTER	51	364 885 R1	"O" RING
26	220 131 H1	TUBE	52	481 352 R1	ADAPTER
27	635 768 R91	ELBOW, 90°	53	220 134 H1	TUBE, valve to bulkhead
28	297 459 R1	"O" RING	54	9 410 060	LOCKNUT
29		COVER (See "Valve Pack" in this section)	55	481 700 R92	HOSE, bulkhead to swing
<u>LINE — FLOW DIVIDER TO CONTROL VALVE (LIFT PORT)</u>			56	382 449 R1	ADAPTER
30	368 269 R1	"O" RING	57	364 839 R1	"O" RING
31	9 410 205	ADAPTER	58		SWING MECHANISM (See "Breakdown" in this section)
32	220 131 H1	TUBE	<u>LINE — VALVE TO SWING - RIGHT</u>		
33	9 403 374	CAP	59	364 885 R1	"O" RING
34	297 459 R1	"O" RING	60	481 352 R1	ADAPTER
35		COVER, center (See "Valve Pack" in this section)	61	220 134 H1	TUBE, valve to bulkhead
			62	9 410 060	LOCKNUT

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACKHOE KIT — Continued (Hydraulic Lines)			90	9 410 978	ELBOW, 90°
			91	472 789 R91	HOSE, boom to bucket
			92	364 885 R1	"O" RING
		<u>LINE — VALVE TO SWING - RIGHT - Continued</u>			<u>LINE — VALVE TO L.H. STABILIZER (DOWN)</u>
63	481 700 R93	HOSE, bulkhead to swing	93		VALVE, stabilizer, L.H. (See "Stabilizer Valve" in this section)
64	382 449 R1	ADAPTER	94	364 885 R1	"O" RING
65	364 839 R1	"O" RING	95	481 352 R1	ADAPTER
		<u>LINE — VALVE TO BUCKET — OUT</u>	96	220 140 H1	TUBE, valve to elbow
66		VALVE, bucket (See "Valve Pack" in this section)	97	469 997 R1	ELBOW
67	364 885 R1	"O" RING	98	9 410 060	LOCKNUT
68	9 410 204	ADAPTER	99	470 256 R91	HOSE
69	220 136 H1	TUBE, valve to bulkhead	100	474 285 R11	TUBE, cylinder head end
70	9 410 061	LOCKNUT	101	9 410 203	ADAPTER
71	875 506 C1	HOSE, bulkhead to boom	102	570 828 R1	"O" RING
72	472 781 R11	TUBE, boom	103		CYLINDER, LH stabilizer (See "Stabilizer Cylinder" in this section)
73	481 699 R11	TUBE, boom to hose			<u>LINE — VALVE TO L.H. STABILIZER (UP)</u>
74	364 885 R1	"O" RING	104	364 885 R1	"O" RING
75	9 410 978	ELBOW, adj.	105	481 352 R1	ADAPTER
76	472 789 R91	HOSE, boom to cylinder	106	220 141 H1	TUBE, valve to check
77	364 885 R1	"O" RING	107	470 256 R91	HOSE
78	474 284 R11	TUBE, cylinder rod end	108	474 286 R11	TUBE, cylinder rod end
79	9 410 204	ADAPTER	109	9 410 203	ADAPTER
80	364 885 R1	"O" RING	110	570 828 R1	"O" RING
81		CYLINDER, bucket (See "Bucket Cylinder" in this section)			<u>LINE — VALVE TO R.H. STABILIZER (DOWN)</u>
		<u>LINE — VALVE TO BUCKET - IN</u>	111		VALVE, stabilizer, R.H. (See "Stabilizer Valve" in this section)
82	364 885 R1	"O" RING	112	364 885 R1	"O" RING
83	9 410 204	ADAPTER	113	481 352 R1	ADAPTER
84	220 137 H1	TUBE, valve to bulkhead	114	890 338 C1	TUBE, valve to check
85	9 410 061	LOCKNUT	115		VALVE (See "Stabilizer Check Valve" in this Section)
86	875 506 C1	HOSE, bulkhead to boom			
87	472 782 R11	TUBE, boom			
88	481 699 R11	TUBE, boom to hose			
89	364 885 R1	"O" RING			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACKHOE KIT — Continued (Hydraulic Lines)			<u>LINE — VALVE TO BOOM (UP)</u>		
<u>LINE — VALVE TO R.H. STABILIZER</u> <u>DOWN - Continued</u>			140	364 885 R1	"O" RING
116	9 410 060	LOCKNUT (2)	141	9 410 978	ELBOW, 90°
117	470 256 R91	HOSE	142	891 337 C1	TUBE
118	474 285 R11	TUBE, cylinder head end	143	9 410 204	UNION
119	9 410 203	ADAPTER	144	364 885 R1	"O" RING
120	570 828 R1	"O" RING	145		VALVE (See "Lever Operated Check Valve" in this section)
121		CYLINDER, RH stabilizer (See "Stabilizer Cylinder" in this section)	186 318		BOLT, 3/8"NF x 5-1/4" (2)
			103 341		WASHER, 3/8" flat (2)
			103 321		WASHER, 3/8" lock (2)
			103 026		NUT, 3/8"NF (2)
<u>LINE — VALVE TO R.H. STABILIZER (UP)</u>			146	364 885 R1	"O" RING
122	364 885 R1	"O" RING	147	406 794 R1	UNION ORIFICE
123	481 352 R1	ADAPTER	148	890 470 C1	TUBE
124	890 339 C1	TUBE, valve to check	149	9 410 060	LOCKNUT
125	149 925 H1	CLAMP	150	481 698 R93	HOSE
	182 353 H1	SPACER	151	481 694 R11	TUBE
	181 315	SCREW, 1/4"NF x 1" cap	152	9 410 204	ADAPTER
	103 319	WASHER, 1/4" lock	153	364 885 R1	"O" RING
	103 024	NUT, 1/4"NF	154	469 998 R1	CLAMP
126	470 256 R91	HOSE	102 637		NUT, 1/2"NC hex-hd
127	474 286 R11	TUBE, cylinder head end	103 319		WASHER, 1/4" lock
128	9 410 203	ADAPTER	<u>LINE — VALVE TO CROWD (OUT)</u>		
129	570 828 R1	"O" RING	155		VALVE (See "Crowd Valve" in this section)
<u>LINE — VALVE TO BOOM (DOWN)</u>			156	364 885 R1	"O" RING
130		VALVE, boom (See "Boom Valve" in this section)	157	9 410 978	ELBOW, 90°
131	364 885 R1	"O" RING	158	891 336 C1	TUBE
132	9 410 204	ADAPTER	159	9 410 204	ADAPTER
133	220 142 H1	TUBE, valve to bulkhead	160	364 885 R1	"O" RING
134	9 410 061	LOCKNUT	161		VALVE (See "Lever Operated Check Valve" in this section)
135	481 698 R92	HOSE	186 318		BOLT, 3/8"NF x 5-1/4" (2)
136	481 693 R11	TUBE, cylinder rod end	103 341		WASHER, 3/8" flat (2)
137	9 410 204	ADAPTER	103 321		WASHER, 3/8" lock (2)
138	364 885 R1	"O" RING	103 026		NUT, 3/8"NF (2)
139		CYLINDER, boom (See "Boom Cylinder" in this section)	162	364 885 R1	"O" RING
			163	9 410 204	ADAPTER
			164	890 471 C1	TUBE

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT — Continued (Hydraulic Lines)

LINE — VALVE TO CROWD - OUT - Continued

165	9 410 061	LOCKNUT
166	875 506 C1	HOSE
167	481 697 R91	HOSE
168	481 692 R11	TUBE
169	9 410 204	ADAPTER
170	364 885 R1	"O" RING
171		CYLINDER (See "Crowd Cylinder" in this section)

LINE — VALVE TO CROWD - IN

172	364 885 R1	"O" RING
173	9 410 204	ADAPTER
174	220 145 H1	TUBE, valve to bulkhead
175	9 410 061	LOCKNUT
176	875 506 C1	HOSE
177	481 697 R91	HOSE, crowd cylinder
178	481 694 R11	TUBE, cylinder head end
179	9 410 204	ADAPTER
180	364 885 R1	"O" RING

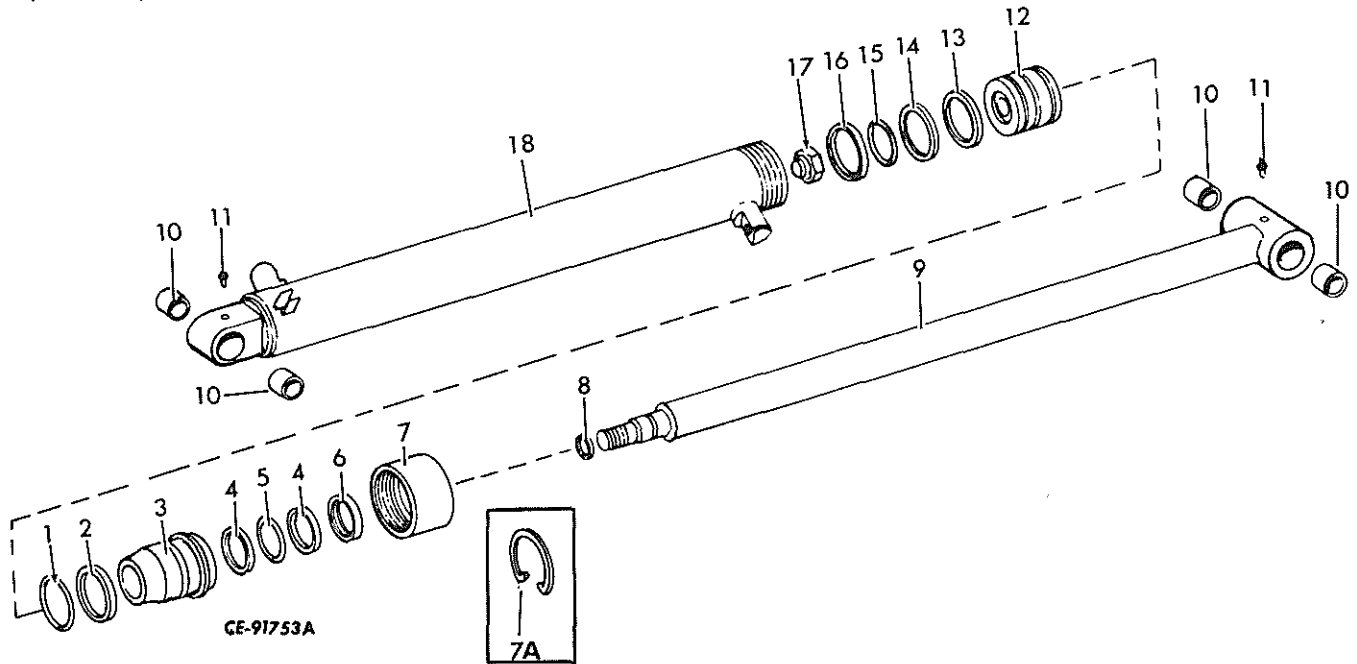
LINE — SWING MECHANISM DRAIN

181	364 839 R1	"O" RING
182	9 410 976	ELBOW, adj.
183	220 133 H1	TUBE
184	9 402 864	ADAPTER, 90°
185	875 233 C1	PLATE (2)
	875 234 C1	SUPPORT, tube (2)
	181 384	BOLT, 3/8"NF x 2-3/4" (4)
	103 321	WASHER, 3/8" lock (4)
	103 026	NUT, 3/8"NF hex (4)

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Hydraulic Cylinders)



Parts without letters after the description indicates the part is used for all Cylinders listed below. Letters "A" thru "H" indicate separate Cylinders.

			2	381 107 R1	WASHER, front head back-up (D)
			2	399 717 R1	WASHER, front head back-up (E, F and G)
A	385 612 R92	CYLINDER ASSY., 3-1/2 x 18.19" (For left stabilizer) (Double action)	3	381 080 R1	HEAD, front (A, B and C)
B	385 613 R92	CYLINDER ASSY., 3-1/2 x 18.19" (For right stabilizer) (Double action)	3	381 106 R1	HEAD, front (D)
C	385 609 R93	CYLINDER ASSY., 3-1/2 x 27" (For bucket) (Double action)	3	399 714 R1	HEAD, front (E and F)
D	385 620 R92	CYLINDER ASSY., 4 x 39.5" (For crowd) (Double action)	3	545 042 R1	END, front head (G)
E	399 707 R91	CYLINDER ASSY., 4-1/2 x 33.7" (For lift) (Double action - high capacity)	4	381 083 R2	WASHER, piston rod back-up (A, B, C and D) (2)
F	399 707 R92	CYLINDER ASSY., 4-1/2 x 33.7" (For lift) (Double action - high capacity)	4	399 716 R2	WASHER, piston rod back-up (E, F and G) (2)
G	399 707 R93	CYLINDER ASSY., 4-1/2 x 33.7" (For lift) (Double action - high capacity)	4	398 978 R1	QUAD RING, piston rod (A, B, C and D)
			5	399 715 R1	QUAD RING, piston rod (E, F and G)
			6	619 072 C91	WIPER, piston rod (A, B, C and D)
			6	619 069 C91	WIPER, piston rod (E, F and G)
1	352 216 R1	"O" RING (A, B and C)	7	381 089 R1	RING, front head retaining (A, B and C)
1	347 801 R1	"O" RING (D)	7	381 111 R1	RING, front head retaining (D)
1	347 914 R1	"O" RING (E, F and G)	7	399 721 R1	RING, front head retainer (E and F)
2	381 088 R1	WASHER, front head back-up (A, B and C)			

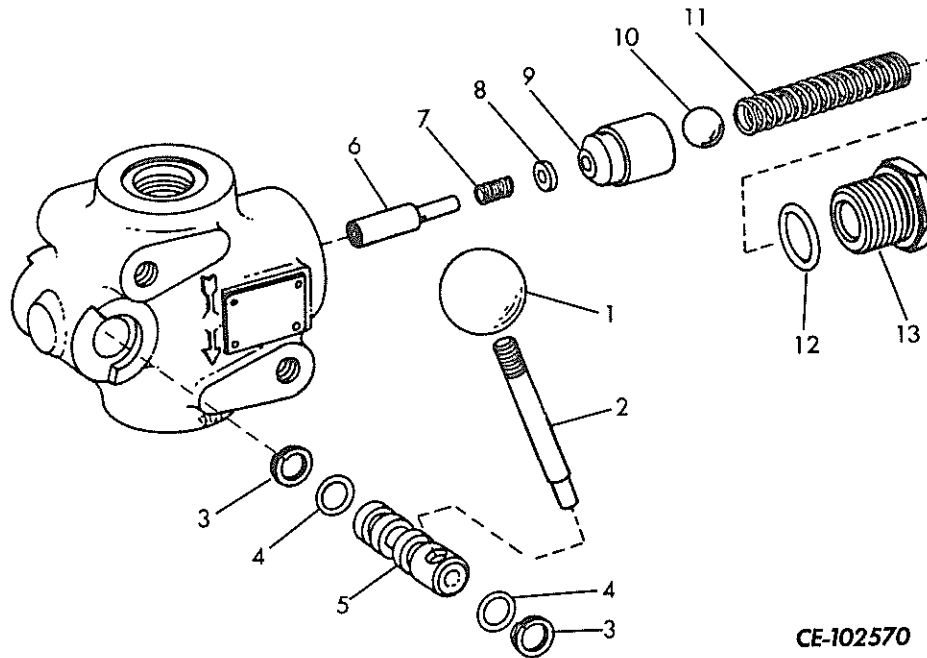
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACKHOE KIT — Continued (Hydraulic Cylinders)					
7A	533 389 R1	RING, front head retaining (G)	15	381 109 R1	"O" RING, piston seal (D)
8	252 483 R1	"O" RING, piston rod (A, B and C)	15	468 339 R1	"O" RING, piston seal (E)
8	293 739 R1	"O" RING, piston rod (D)	15	533 384 R1	RING, piston inner (F and G)
8	382 432 R1	"O" RING, piston rod (E)	16	383 005 R1	RING, piston bearing rear (A, B and C)
9	381 097 R31	ROD w/BUSHING, piston (A and B)	16	383 006 R1	RING, piston bearing rear (D)
9	381 078 R31	ROD w/BUSHING, piston (C)	16	399 720 R1 21 574 R1	RETAINER, piston (E) (2) RING, retainer (E)
9	384 816 R21	ROD w/BUSHING, piston (D)	16	399 719 R1	RING, piston bearing (E, F and G)
9	399 713 R11	ROD w/BUSHING, piston (E) (Order the following parts - 1 NUT 25 049 R1 1 PISTON 545 033 R1 1 ROD 532 687 R11 1 SEAL 533 384 R1 1 SEAL 548 415 R1)	17	20 251 R1	NUT, 1-1/8-12 C-Z conelok (A, B and C)
9	532 687 R11	ROD w/BUSHING, piston (F and G)	17	20 769 R1	NUT, 1-1/2" UNF C-Z lock (D)
10	468 280 R1	BUSHING (A, B and C) (4)	17	25 049 R1	NUT, 1-1/2" NF hex lock (F and G)
10	468 366 R1	BUSHING (D) (4)	18	385 614 R91	CYLINDER w/BUSHING, HYD LH (A)
10	399 711 R1	BUSHING (E, F and G) (4)	18	385 615 R91	CYLINDER w/BUSHING, HYD RH (B)
11	109 461	FITTING, 1/8-27" ptf-str lub 2 for A, B and E 1 for C and D	18	385 610 R91	CYLINDER w/BUSHING, HYD (C)
11	271 283	FITTING, 1/8-27" ptf, 45° angle lub (1 for C)	18	385 621 R91	CYLINDER w/BUSHING, HYD (D)
11	126 152	FITTING, 1/8-27" ptf 45° angle lub (D, E, F and G)	18	399 708 R91	CYLINDER w/BUSHING, HYD (E)
12	381 084 R2	PISTON (A, B and C)	18	545 031 R91	BODY ASSY. (G)
12	384 255 R1	PISTON (D)		488 806 R1	TUBE ASSY., rod end lift cylinder
12	399 718 R1	PISTON (E)	9 410 204		CONNECTOR, 7/8 - 14 37° hyd. flared tube short swivel (2)
12	545 033 R1	PISTON (F and G)		364 885 R1	"O" RING, 5/8" OD tube (2)
13	383 005 R1	RING, piston bearing - front (A, B and C)		481 694 R11	TUBE ASSY., lift cylinder head end
13	383 006 R1	RING, piston bearing - front (D)		471 267 R94	PACKAGE, hydraulic cylinder serv. (A, B and C) (Consists of - 1 "O" RING 252 483 R1 1 "O" RING 352 216 R1 1 "O" RING 380 910 R1 1 RING, quad 398 978 R1 2 RING 383 005 R1 1 SEAL 381 086 R1 2 WASHER 381 083 R2 1 WASHER 381 088 R1 1 WIPER 619 072 C91)
13	399 719 R1	RING, piston bearing (E, F and G)			
14	381 086 R1	SEAL, piston (A, B and C)			
14	381 110 R1	SEAL, piston (D)			
14	468 340 R1	RING, piston seal (E)			
14	548 415 R1	RING, piston seal (F and G)			
15	380 910 R1	"O" RING, piston seal (A, B and C)			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACKHOE KIT — Continued (Hydraulic Cylinders)			400 656 R94	PACKAGE, hydraulic cylinder service (E, F and G) (Consists of -	
471 266 R95	PACKAGE, hydraulic cylinder service (D) (Consists of -		1	"O" RING	347 914 R1
	1	"O" RING	1	"O" RING	382 432 R1
	1	RING, quad	1	"O" RING	399 721 R1
	1	"O" RING	1	"O" RING	468 339 R1
	1	"O" RING	1	RING, quad	399 715 R1
	2	RING	2	RING	399 719 R1
	1	SEAL	1	SEAL	468 340 R1
	2	WASHER	2	WASHER	399 716 R2
	1	WASHER	1	WASHER	399 717 R1
	1	WIPER	1	WIPER	619 069 C91)
		252 483 R1			
		347 801 R1			
		398 978 R1			
		381 109 R1			
		293 739 R1			
		383 006 R91			
		381 110 R1			
		381 083 R2			
		381 107 R1			
		619 072 C91)			

BACKHOE KIT (Check Valve Lever Operated)

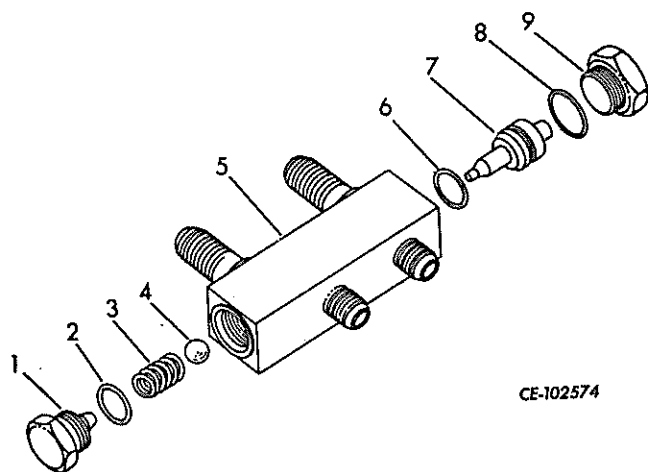


	488 897 R91	VALVE ASSY., check	8	489 057 R1	WASHER
1	489 055 R1	KNOB	9	489 051 R1	VALVE, poppet
2	489 054 R1	HANDLE	10	16 016 R1	BALL, 1/2" dia. chrome steel
3	157 925 H1	RING, back-up (2)	11	489 052 R1 17 272 R1	SPRING PIN, roll drive
4	355 966 R1	"O" RING	12	368 269 R1	"O" RING
5	489 053 R1	CAM	13	489 050 R1	PLUG, check valve
6	489 056 R1	CAM FOLLOWER			
7	489 058 R1	SPRING			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Stabilizer Check Valve)

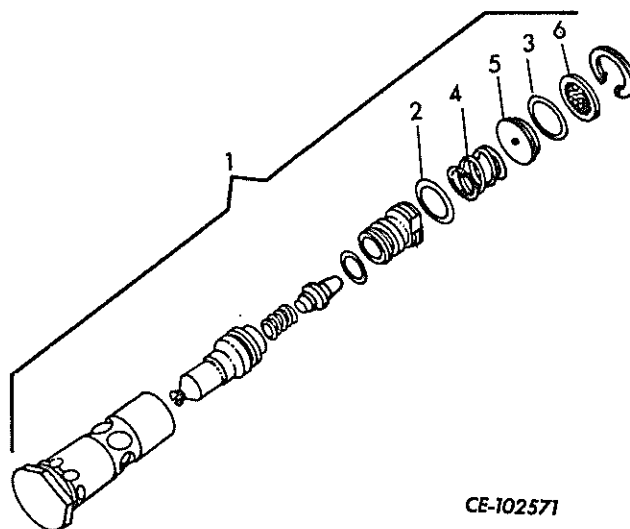


CE-102574

	400 433 R91	VALVE ASSY., stabilizer check
1	370 967 R1	PLUG, check valve
2	364 885 R1	"O" RING
3	372 649 R1	SPRING, check valve
4	17 016 R1	BALL, 1/2" cr-stl
5	400 659 R1	BLOCK ASSY., check valve
6	350 667 R1	RING, actuator check valve seal piston
7	362 707 R2	PISTON, actuator check valve
8	368 269 R1	"O" RING
9	400 664 R1	PLUG, "O" ring boss

REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Pilot Relief Valve)



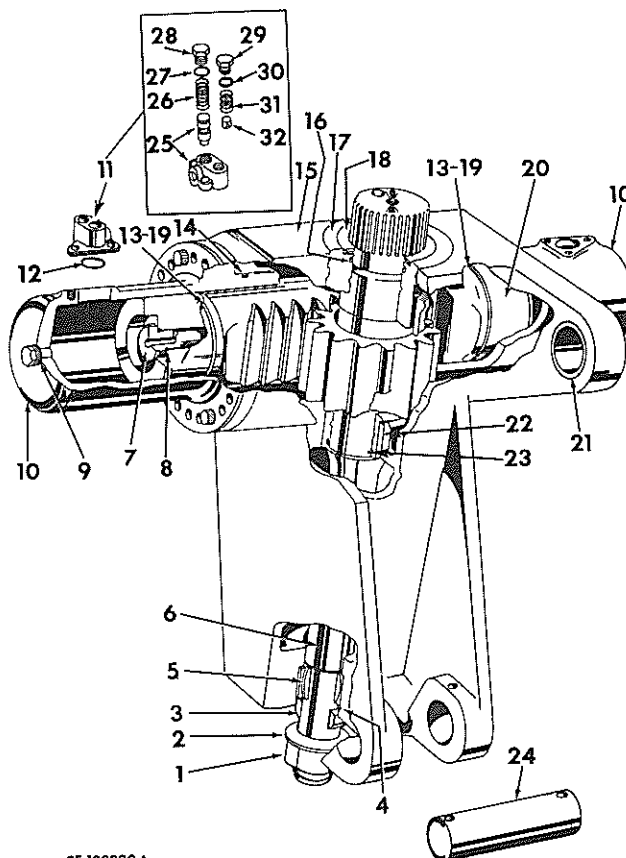
CE-102571

1	396 729 R92	VALVE ASSY., pilot relief (2250 psi) (2)
2	406 185 R1	"O" RING
3	298 385 R1	"O" RING
4	386 040 R1	SPRING, poppet return
5	386 042 R1	PLATE, orifice
6	386 073 R91	SCREEN ASSY., pilot relief valve

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Swing Mechanism)



CE-102800 A

481 808 R96 SWING MECHANISM (Consists of the following parts except Item 24)			12	481 767 R1	"O" RING (2)
1	18 460 R1	NUT, Esna	13	468 340 R1	RING, piston (2)
2	469 079 R1	WASHER, swing shaft	14	285 253 R1	"O" RING (2)
3	468 336 R1	SPACER	15	481 806 R31	HOUSING ASSY. (Consists of -
4	468 337 R1	RING, snap			1 BUSHING 468 332 R1
5	493 873 R92	BUSHING, ball			2 BUSHING 468 366 R1
6	468 330 R1	SHAFT, swing			§ 1 HOUSING
7	394 311 R91	VALVE ASSY., safety (2)			1 "O" RING 364 889 R1
8	296 247 R1	"O" RING, safety valve (2)			1 PLUG 9 410 360)
9	364 839 R1	"O" RING (2)	16	468 335 R1	"O" RING
10	488 499 R1	CYLINDER, swing (2)	17	545 220 R1	BUSHING
	484 667 R1	SCREW, cap (16)		380 595 R1	"O" RING
9 410 358		PLUG	18	468 334 R91	SEAL
11	392 941 R91	VALVE ASSY., decelerator (2)	19	468 339 R1	"O" RING (2)
21 019 R1		SCREW, cap (6)	20	488 498 R1	PISTON (Includes rack)
			21	468 366 R1	BUSHING, boom pivot pin (2)
			22	468 332 R1	BUSHING

§ — Not furnished separately.

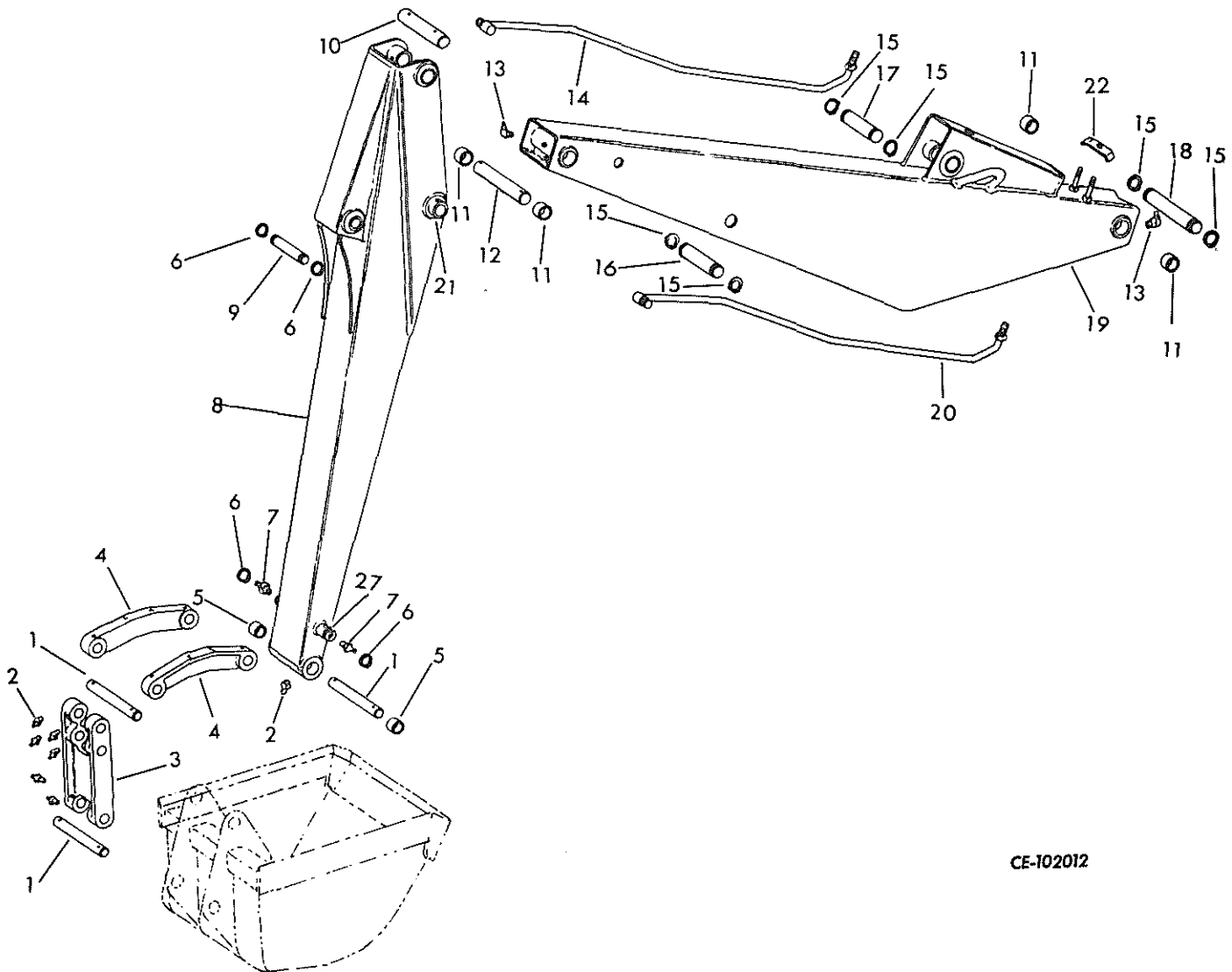
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BACKHOE KIT — Continued (Swing Mechanism)					
23	471 140 R1	"O" RING			
24	468 370 R1	PIN, boom cylinder - lower			
	103 384	PIN, cotter (2)			
	631 252 R1	PIN, 3/8 x 4-1/8" headed (2)			
25	392 945 R91	HOUSING, valve assembly (2)			
26	392 963 R1	SPRING, valve piston (2)			
27	364 885 R1	"O" RING (2)			
28	392 964 R1	PLUG, piston (2)			
29	392 962 R11	PLUG ASSY., check valve (2)			
30	570 828 R1	"O" RING (2)			
31	382 915 R1	SPRING ASSY. (2)			
32	382 916 R1	POPPET (2)			
	489 532 R1	WASHER, back-up			
	109 461	FITTING, lube			
	9 410 360	PLUG			
	364 885 R1	"O" RING			
	479 670 R1	SCREW, set			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Boom and Dipperstick)



CE-102012

1	468 284 R1	PIN (3)	8	472 783 R93	DIPPERSTICK w/BUSHINGS
	187 988	PIN, 3/16 x 1-1/4" cotter (4)	9	468 282 R1	PIN, bucket cylinder to dipperstick
	468 317 R1	PIN, drilled head (4)	10	468 288 R1	PIN, dipperstick to crowd cylinder
2	109 461	FITTING, lube (7)		187 988	PIN, 3/16 x 1-1/4" cotter (2)
3	468 289 R1	LINK, bucket rear		472 714 H1	PIN (2)
4	468 285 R2	LINK, bucket forward, LH	11	468 366 R1	BUSHING, boom pivot carrier (4)
	187 988	PIN, 3/16 x 1-1/4" cotter	12	468 287 R1	PIN, boom pivot
	472 712 R1	PIN		187 988	PIN, 3/16 x 1-1/4" cotter (2)
4A	493 398 R1	LINK, bucket forward, RH		472 712 R1	PIN (2)
	187 988	PIN, 3/16 x 1-1/4" cotter		625 688 R1	WASHER (As required)
	472 712 R1	PIN, 1/2" x 3-9/16" std-hd	13	109 462	FITTING, lube (2)
5	468 280 R1	BUSHING (2)			
6	468 283 R1	RING, snap (4)			
7	273 355	FITTING, lube (2)			

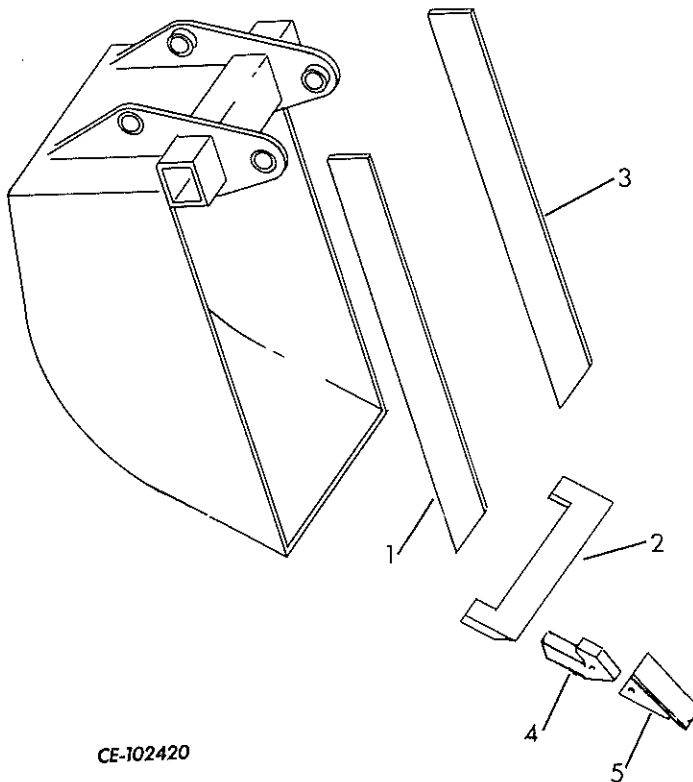
ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BACKHOE KIT — Continued (Boom and Dipperstick)					
14		TUBE ASSEMBLY, boom left (See "Hydraulic Lines" in this section)			
	9 403 295	NUT (2)			
	9 403 298	NUT (2)			
	138 566	WASHER, lock (Internal tooth) (2)			
	471 961 R1	WASHER, lock (Internal tooth) (2)			
15	468 371 R1	RING, retaining (6)			
16	468 367 R1	PIN, boom cylinder (Upper)			
17	468 369 R1	PIN, shroud			
18	468 368 R1	PIN, boom to swing mechanism			
	625 688 R1	WASHER			
19	472 778 R93	BOOM w/BUSHINGS			
	120 376	NUT, 5/16"-18 (2)			
20		TUBE ASSEMBLY, boom right (See "Hydraulic Lines" in this section)			
	9 403 295	NUT (2)			
	9 403 298	NUT (2)			
	138 566	WASHER, internal tooth lock (2)			
	471 961 R1	WASHER, internal tooth lock (2)			
21	468 277 R1	BOSS, boom to dipperstick (2)			
22	379 045 R1	CLAMP, tube (2)			
23	468 281 R1	SHAFT, bucket link pivot			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BACKHOE KIT (Bucket Group)



4	468 314 R1	SHANK, tooth (3 for A) (4 for B) (5 for C) (6 for D)
5	468 773 R1	POINT, tooth (Standard) (3 for A) (4 for B) (5 for C) (6 for D)
5	485 353 R1	POINT, tooth (Heavy duty) (3 for A) (4 for B) (5 for C) (6 for D)

Parts without letters after the description indicate the part is used for all Buckets. Letters "A" thru "D" are used to identify separate Buckets.

A	468 760 R91	BUCKET (12" 2.5 cu. ft.)
B	468 754 R91	BUCKET (18" 4.0 cu. ft.)
C	472 965 R91	BUCKET (24" 7.0 cu. ft.)
D	472 972 R91	BUCKET (30" 10.0 cu. ft.) (Consists of the following parts -
1	468 313 R1	BAR, cutting, RH
2	468 764 R1	EDGE, front cutting (A)
2	468 758 R1	EDGE, front cutting (B)
2	468 310 R1	EDGE, front cutting (C)
2	472 975 R1	EDGE, front cutting (D)
3	468 312 R1	BAR, cutting LH



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