

**DIRECTORY TO
MODEL H-100B
PARTS MANUAL**

THIS MANUAL IS USED SPECIFICALLY
FOR THE FOLLOWING SERIES OF

MODEL H-100B PAYLOADER

THE SERIAL NUMBER OF A PAYLOADER CONSISTS
OF FOUR PARTS WHICH IDENTIFY IT:

OLD SERIAL NUMBER SYSTEM

MODEL NO.	SERIES	POWER	UNIT NO.
D-817 (IHC)	B	H	1001 to 1137
NH-250-C1 (Cummins)	B	C	1001 to 1137
6V-71 (Detroit Diesel)	B	G	1001 to 1137

D-817 (IHC)
NH-250-C1 (Cummins)
6V-71 (Detroit Diesel)

NEW SERIAL NUMBER SYSTEM

ENGINE MODEL	KIND	POWER CODE	COUNTRY OF ORIGIN	UNIT NO.
D-817 (IHC)	359	301	U	01138
NH-250-C1 (Cummins)	359	302	U	01138
6V-71 (Detroit Diesel)	359	303	U	01138

ENGINE MODEL
D-817 (IHC)
NH-250-C1 (Cummins)
6V-71 (Detroit Diesel)

(UNIT NUMBER ONLY SUPPLIED IN TEXT)

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. Quantities indicated are for the subject assembly - not the total for the machine.

The bucket is always considered as the front end of the machine and right (R. H.) or left hand (L. H.) 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 orders.

1. The Part Number, Name & Quantity of Items needed.
2. The Kind, Power & Unit No. of the machine.
3. When ordering parts for the Transmission, Drive Axle, Pump, Valve or Engine, be sure to give the Serial Number & Model Number of such units.
4. Give the Destination and Method of Shipment desired along with any special invoicing instructions.

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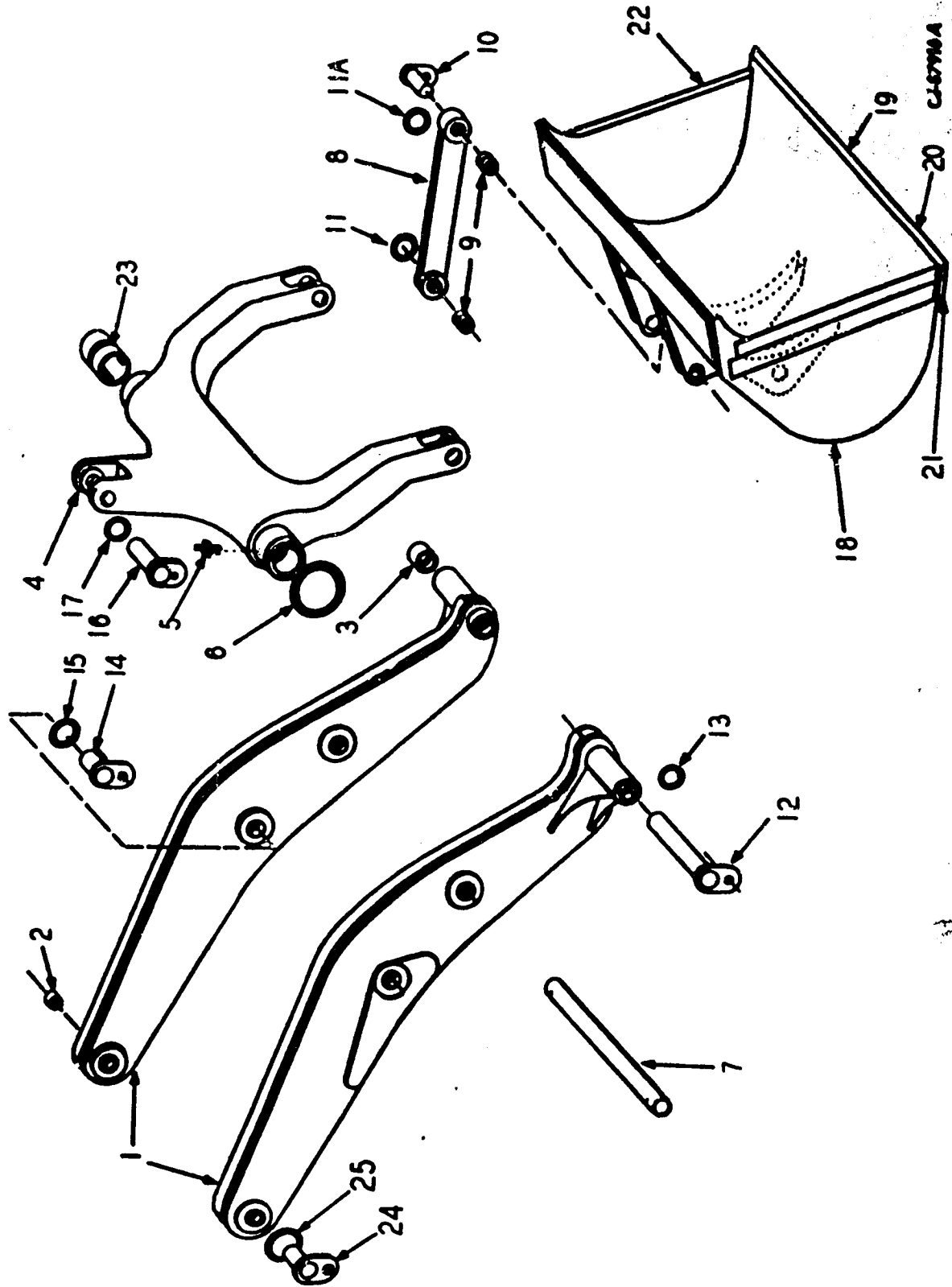
CHASSIS

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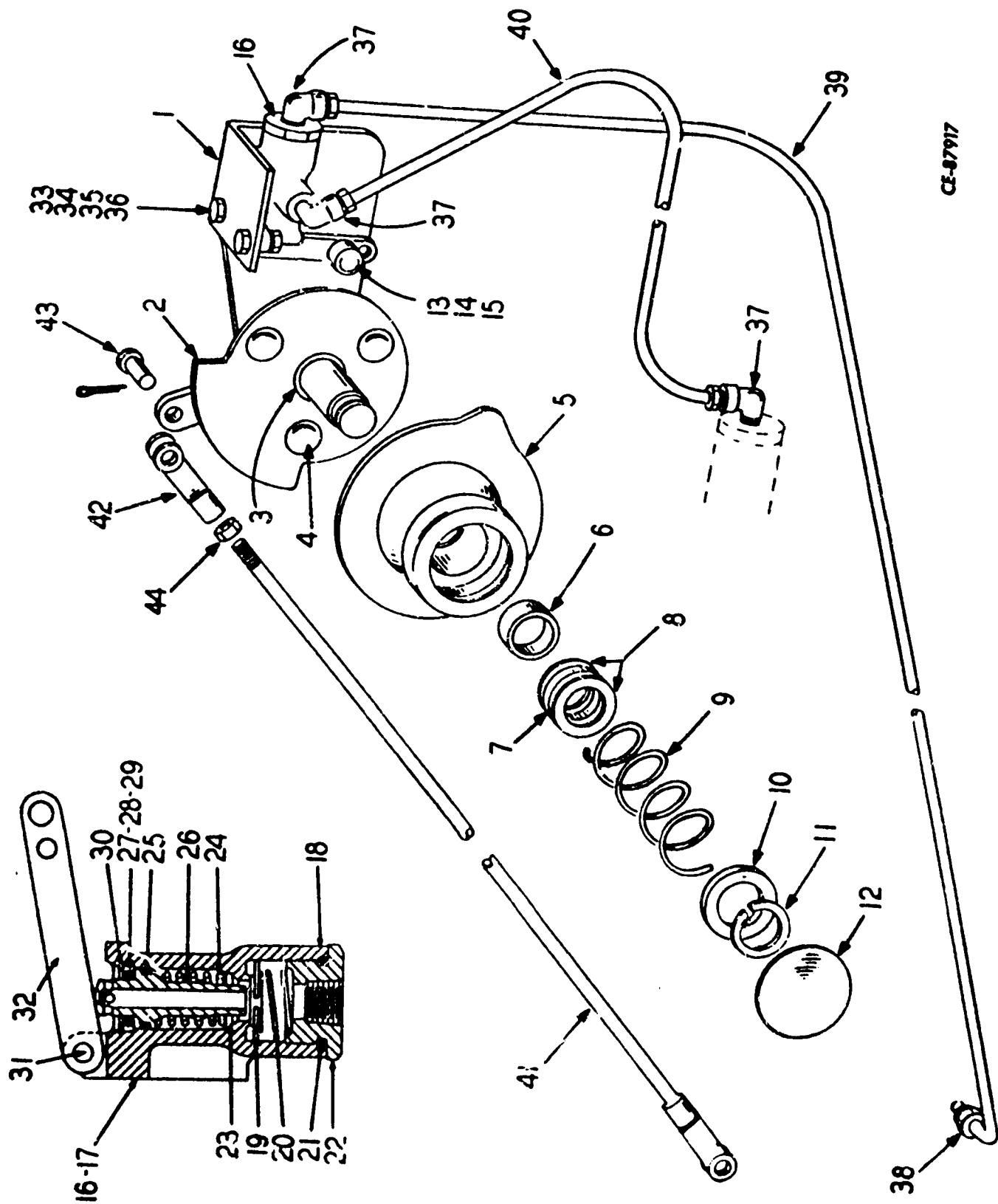
BOOM & BUCKET



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM & BUCKET - Continued					
1	195 591 H2	BOOM, R. H., Includes Items 2 & 3	14	202 295 H1	PINLOCK (2)
1	195 592 H2	BOOM, L. H., Includes Items 2 & 3		106 267	WASHER, Flat 5/8" (2)
2	153 938 H1	BUSHING (4)		103 325	WASHER, Lock 5/8" (2)
3	198 933 H1	BUSHING (4)		271 579	SCREW, Cap 5/8 NF x 1" (2)
4	210 087 H3	BELLCRANK, Includes Item 23	15	191 417 H1	RING, Cord (4)
5	109 461	FITTING, Grease (2)		109 461	FITTING, Grease (4)
6	191 417 H1	RING, Cord (2)	16	199 154 H1	PINLOCK
	273 090	SCREW, Cap 5/8 NF x 7" (2)		271 579	SCREW, Cap 5/8 NF x 1" (2)
	13 453 R1	NUT, ESNA 5/8" NF-18 (2)		106 267	WASHER, Flat 5/8"
7	196 498 H1	SHAFT, Pivot		103 325	WASHER, Lock 5/8"
8	210 745 H1	LINK, Bucket, Includes (2) Item 9 (2)	17	191 417 H1	RING, Cord (2)
9	177 042 H1	BUSHING (4)	18		BUCKET, Complete, Includes Items 19, 20, 21 and 22 (See *)
10	179 678 H1	PINLOCK, Bucket Link (4)	19		BLADE (See *)
	271 579	SCREW, Cap 5/8 NF x 1" (4)	20		TIP (See *)
	106 267	WASHER, Flat 5/8" (4)	21		PLATE, Backing (See *)
	103 325	WASHER, Lock 5/8" (4)	22		CUTTING EDGE, Side (See *) (2)
11	181 614 H1	RING, Cord (4)	23	177 033 H1	BUSHING, Bellcrank (2)
11A	181 614 H1	RING, Cord (4)	24	195 700 H1	PINLOCK (2)
	118 491 H1	FITTING, Grease (4)		106 267	WASHER, Flat 5/8" (2)
12	197 544 H1	PINLOCK (2)		103 325	WASHER, Lock 5/8" (2)
	106 267	WASHER, Flat 5/8" (2)		271 579	SCREW, Cap 5/8 NF x 1" (2)
	103 325	WASHER, Lock 5/8" (2)	25	169 724 H1	RING, Cord (4)
	271 579	SCREW, Cap 5/8 NF x 1" (2)			*NOTE - Bucket shown is optional. See Section 14 for complete list of buckets and components.
13	181 614 H1	RING, Cord (4)			

BOOM POSITIONER

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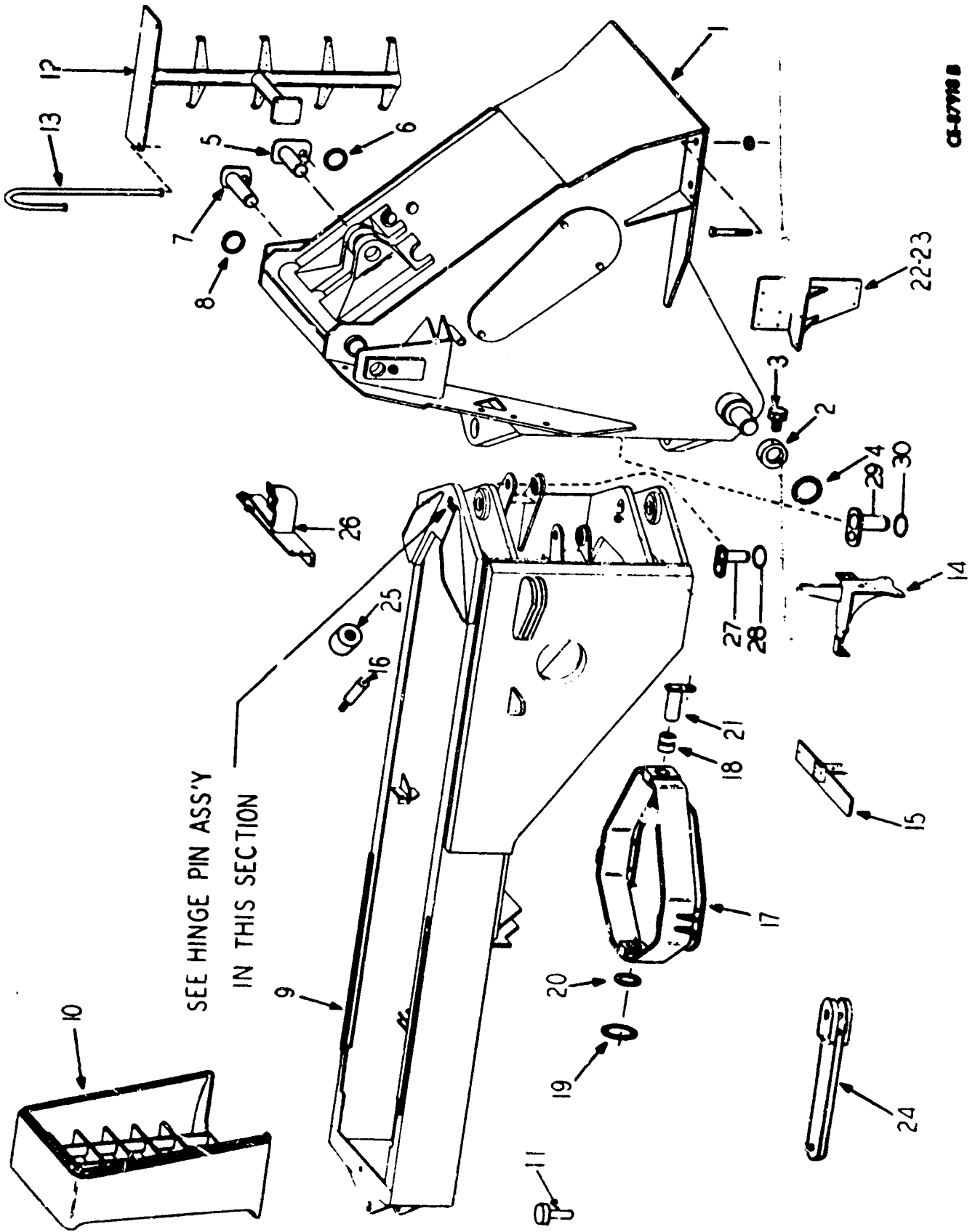
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REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM POSITIONER - Continued					
1	202 587 H1	BRACKET	22	188 568 H1	NUT, Cap
	181 361	SCREW, Cap 3/8 NF x 7/8" (2)	23	188 569 H1	WASHER, Plunger Guide
	103 026	NUT, Hex 3/8" NF (2)	24	188 570 H1	SPRING, Plunger Return
	103 321	WASHER, Lock 3/8" (2)	25	352 221 R1	"O" RING, 9/16 x 3/4 x 3/32"
2	202 590 H1	INDICATOR, Includes Item 3	26	188 571 H1	PLUNGER
3	144 244 H1	BUSHING (2)	27	188 572 H1	SEAL, Plunger, Includes Items 28 & 29
4	202 602 H1	GROMMET, Bumper (3)	28	188 573 H1	BODY, Plunger Seal
5	202 595 H1	KNOB, Includes Item 6	29	188 574 H1	WASHER, Felt
6	144 244 H1	BUSHING	30	373 173 R1	RING, Retaining
7	138 470 H1	BEARING, Thrust	31	188 576 H1	PIN
8	306 970 R1	WASHER, Thrust (2)	32	188 577 H1	LEVER
9	210 917 H1	SPRING	33	181 314	SCREW, Cap 1/4 NF x 7/8" (2)
10	202 599 H1	RETAINER	34	103 024	NUT, Hex 1/4" NF (2)
11	454 331 R1	RING, Retainer	35	103 319	WASHER, Lock 1/4" (2)
12	127 741	PLUG, Button	36	106 261	WASHER, Flat 1/4" (2)
13	210 917 H1	CAM FOLLOWER ASSEMBLY, Includes (1) 210 918 H1 Bushing	37	164 839 H1	ELBOW (3)
	210 918 H1	BUSHING	38	175 774 H1	CONNECTOR
14	103 024	NUT	39	175 844 H1	TUBE
15	103 319	WASHER, Lock 1/4"	40	179 146 H1	TUBE
16	186 634 H1	VALVE, Control. Includes Items 17 thru 32	41	202 600 H1	YOKE, End
17	188 562 H1	VALVE, Less Lever, Includes Items 18 thru 31	42	104 037	YOKE, Adjustable 5/16"
18	188 563 H1	BODY	43	114 784	PIN, Yoke (2)
19	188 564 H1	VALVE	44	114 493	NUT, Jam 5/16" NF
20	188 565 H1	SPRING, Valve			
21	188 567 H1	RING, Sealing			

} Valve
Control
Mounting

MAIN FRAME

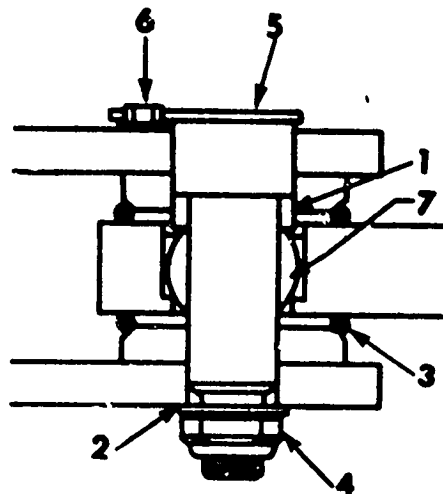
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REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MAIN FRAME - Continued					
1	876 459 C91 212 332 H1 126 152	FRAME, Front BUSHING (2) FITTING, Grease (2)	20	156 087 H1	SPACER (AR)
2	176 846 H1	COLLAR (2)	21	179 818 H1 271 5:9 106 267 103 325 138 487	PINLOCK, Bolster (2) SCREW, Cap 5/8 NF x 1" (2) WASHER, Flat 5/8" (2) WASHER, Lock 5/8" (2) FITTING, Grease (2)
3	17 894 R1 19 592 R1	SCREW, Cap 1/2 NC x 6-1/4" NUT, 1/4"-20NC ESNA (2)	199 227 H3 206 468 H2 209 132 H1	SCREW, Cap (16) WASHER, Hardened (16) NUT, High Tensile (16)	) Rear Axle) to) Bolster
4	169 724 H1	RING, Cord (2)	22	162 181 H1	SUPPORT, R. H.)) Transmission
5	175 920 H1 271 627 106 268	PINLOCK, Cylinder Pivot at Frame SCREW, Cap 3/4 NF x 1-1/8" WASHER, Flat 3/4"	23	162 182 H1 271 560 103 325	SUPPORT, L. H.) SCREW, Cap 5/8 NC x) Trans- 1-3/4" (16)) mission WASHER, Lock 5/8" (16)) to Support
6	191 417 H1	RING, Cord (2)	272 874	SCREW, Cap 3/4 NF x) 5-1/2" (6)) Support	
7		PINLOCK (2)) See Boom &) Bucket in this	106 268 18 558 R1	WASHER, Flat 3/4" (6)) to NUT, ESNA 3/4" NF x) Frame 16 (6))	
8		RING, Cord (4)) section	24	203 317 H1 203 372 H1 206 990 H1	BAR, Frame Locking PIN, Bar (2) PIN, Clinch (2)
9	195 534 H2	FRAME, Rear (Order Rear Frame 214 547 H1, Cord Ring 218 132 H1 (4), Pin Assy 214 546 H1 (2), Nut 211 149 H1 (2), Retainer Plate 211 055 H1 (2), Flatwasher 106 270 (4), Lockwasher 121 326 (4), and Capscrew 181 377 (4)	25	216 294 H1 103 343 181 431 18 452 R1	BUMPER, Rubber (2) WASHER, Flat 1/2" (2)) SCREW, Cap 1/2 NF x) Bumper 1-1/2" (2)) to NUT, ESNA 1/2"-20 NF) Frame ESNA (2))
9	214 547 H1	FRAME, Rear	26	121 530 H1 271 637 271 636	CLAMP, Steering Gear SCREW, Cap 3/4 NF x 2-3/4" SCREW, Cap 3/4 NF x 2-1/2"
10	148 177 H2 271 642 106 268 271 644 18 558 R1	GRILLE, lasting SCREW, Cap 3/4 x 4" NF WASHER, Flat 3/4" SCREW, Cap 3/4 NF x 4-1/2" (2) NUT, ESNA 3/4" NF-16 (3)	27	199 263 H1 181 426 106 265 103 323	PINLOCK, Cyl. to Rear Frame (2) SCREW, Cap 1/2 NF x 7/8" (2) WASHER, Flat 1/2" (2) WASHER, Lock 1/2" (2)
11	196 500 H1 103 424	PIN, Drawbar PIN, Cotter 1/4 x 2-1/2"	28	181 613 H1	RING, Cord (4)
12	196 045 H1 181 431 103 028 103 323	LADDER SCREW, Cap 1/2 x) 1-1/2" NF (4)) Ladder NUT, Hex 1/2" NF (4)) Mtg. WASHER, Lock 1/2" (4))	29	199 265 H1 181 426 106 265 103 323	PINLOCK, Cyl. to Front Frame (2) SCREW, Cap 1/2 NF x 7/8" (2) WASHER, Flat 1/2" (2) WASHER, Lock 1/2" (2)
13	196 043 H1 271 581 103 325	RAIL (2) SCREW, Cap 5/8 NF x) 1-1/4" (4)) Rail Mtg. WASHER, Lock 5/8" (4))	30	181 613 H1	RING, Cord (4)
14	214 944 H1	SUPPORT, Hose &) Pivot - Front) Used with) Gearshift			
15	198 938 H1	SUPPORT, Hose &) Pivot - Rear) Linkage			
14	215 978 H1	SUPPORT, Hose &) Pivot Support Front) Used with) Cable Control			
15	215 977 H1	SUPPORT, Hose &) Pivot - Rear) Linkage			
15	221 712 H1 181 435 103 323 103 028 106 265	SUPPORT, Hose & Pivot - Rear SCREW, Cap 1/2NF x) Hose & 2" (2)) Pivot WASHER, Lock 1/2" (2)) Support NUT, Hex 1/2" NF (2)) to WASHER, Flat 1/2" (2)) Frame			
16		NOT USED			
17	199 224 H1	BOLSTER, Rear Axles (Includes Item 18)			
18	147 867 H1	BUSHING (2)			
19	181 614 H1	RING, Cord (4)			

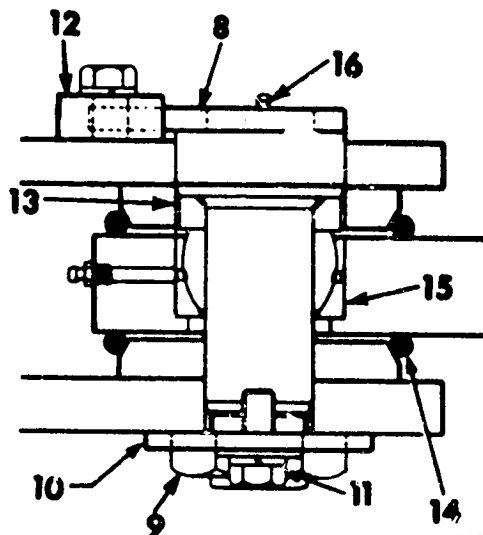
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HINGE PIN



CE-87100

TYPE A



CE-87109

TYPE B

(Used with Rear Frame 195 534 H2)

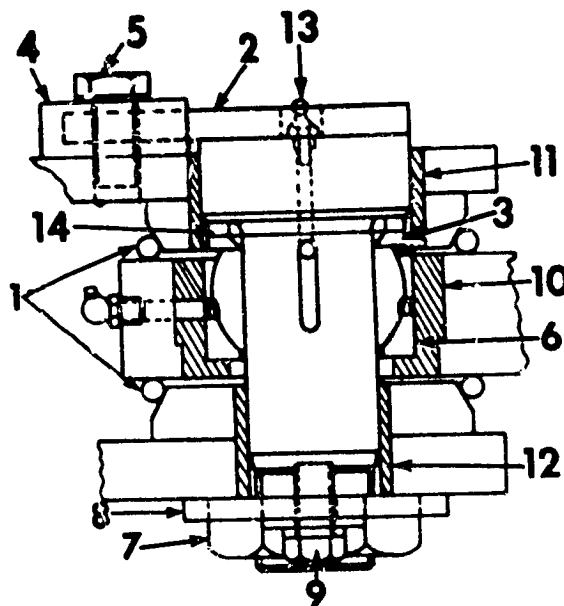
(Used with Rear Frame 214 547 H1)

1	204 209 H1	WASHER, Retaining
2	204 159 H1	WASHER (2)
3	211 078 H1	RING, Cord (4)
4	204 571 H1	NUT, Stop (2)
5	204 207 H1	PIN (2)
6	271 579	SCREW, Cap 5/8 NF x 1" (6)
	103 325	WASHER, Lock 5/8" (6)
	106 267	WASHER, Flat 5/8" (6)
7	212 332 H1	BUSHING (2)
	210 816 H1	PLATE, Retainer (7 Inch) (2)

8	211 000 H1	PIN, Weldment (Order Shaft Assembly (2) 876 444 C91 and Grease Fitting 128 274 (2)) (2)
8	876 444 C1	SHAFT, Assy w/Bushing 876 445 C1 (2)
9	211 149 H1	NUT, Special (2)
10	211 055 H1	PLATE, Retainer (10 Inch) (2)
11	273 128	SCREW, Cap 1 NF x 1-3/4" (4)
	121 326	WASHER, Lock 1" (4)
	106 270	WASHER, Flat 1" (4)
12	217 671 H1	LOCK, Cam Plate (2)
	271 635	SCREW, Cap 3/4 NF x 2-1/4" (2)
	103 326	WASHER, Lock 3/4" (2)
13	211 008 H1	COLLAR (Used with Pin 211 000 H1) (2)
13	876 445 C1	BUSHING (Used with Shaft Assy 876 444 C91) (2)
14	218 132 H1	RING ASSY, Cord (4)
15	212 332 H1	BUSHING, Ball (2)
16	128 274	FITTING, Grease (2)

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HINGE PIN REWORK KIT

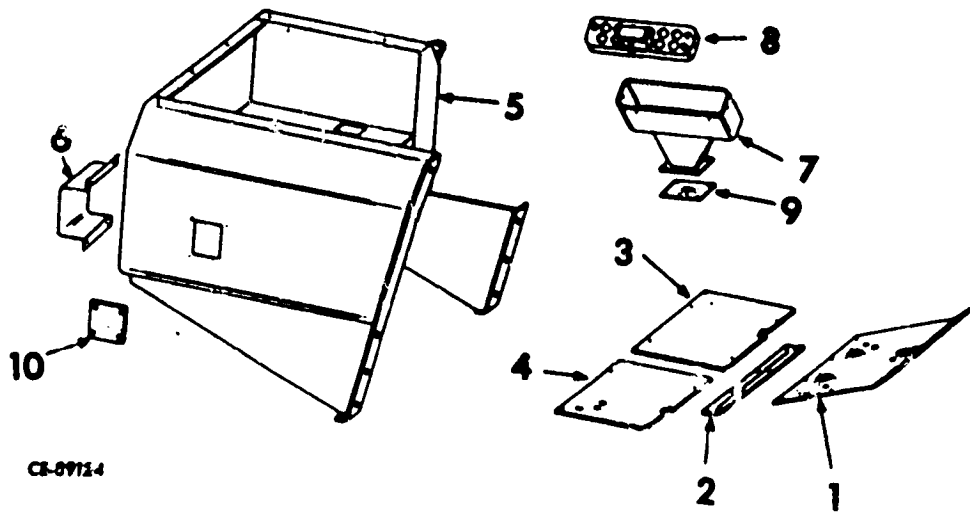


FD-3172

A	886 064 C91	KIT, Pivot Rework Field (Kit used for Rework of Machines where the pivot shaft head diameter is smaller than 4-3/8 inches) (Includes Items 1 thru 14 and installation pamphlet 1 085 381 R1)	6	212 232 H1	BUSHING, Ball (2)
			7	211 149 H1	NUT (KIT A) (2)
			8	211 055 H1	PLATE, Retainer (KIT A) (2)
B	891 525 C91	KIT, Pivot Rework Field (Kit used for Rework of Machines where the pivot shaft head diameter is larger than 4-3/8 inches) (Includes Items 2, 6, 10, 11, 12 and 13 plus installation pamphlet 1 085 382 R1)	9	273 128	BOLT, 1 NF x 3/4" (KIT A) (4)
				121 326	WASHER, Lock 1" (4)
				106 270	WASHER, Flat 1" (4)
1	218 132 H1	RING, Cord (KIT A) (4)	10	879 675 C1	BUSHING (2)
2	876 444 C91	SHAFT, w/Bushing 876 445 C1 (2)	11	879 676 C1	BUSHING (2)
3	876 445 C1	BUSHING (KIT A) (2)	12	886 087 C1	BUSHING (2)
4	217 671 H1	CAM (KIT A) (2)	13	128 274	FITTING, Grease (2)
5	271 635	BOLT, 3/4 NF x 2-1/4" (KIT A) (2)	14	886 020 C1	WASHER (KIT A) (-)
	103 326	WASHER, Lock 3/4" (KIT A) (2)		218 427 H1	BLOCK (KIT A) (2)
				1 085 381 R1	PAMPHLET, Installation (KIT A)
				1 085 382 R1	PAMPHLET, Installation (KIT B)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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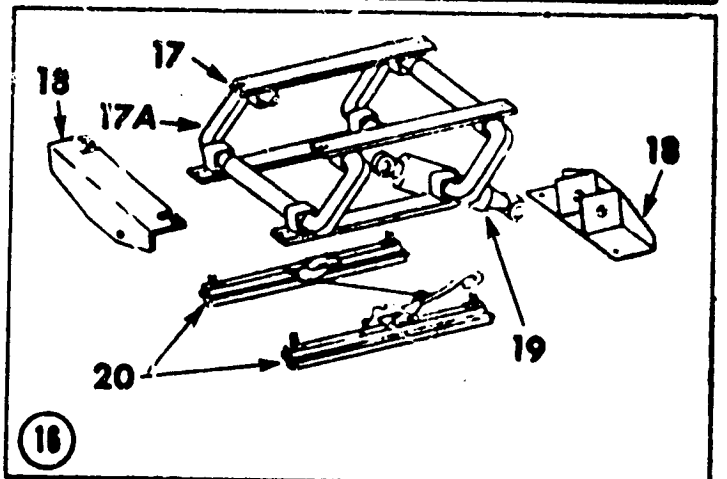
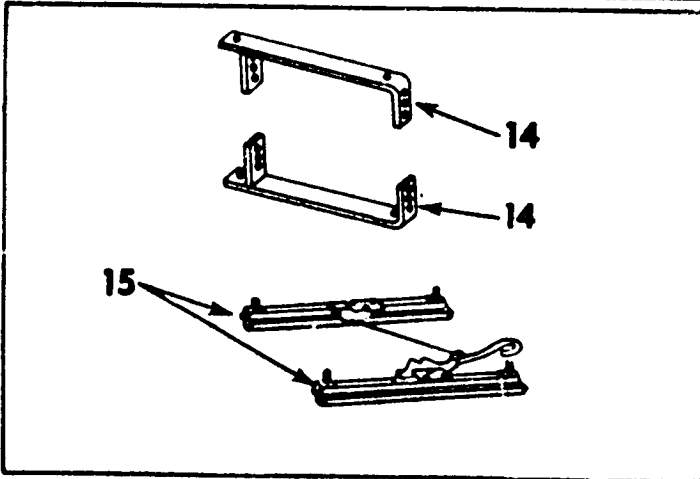
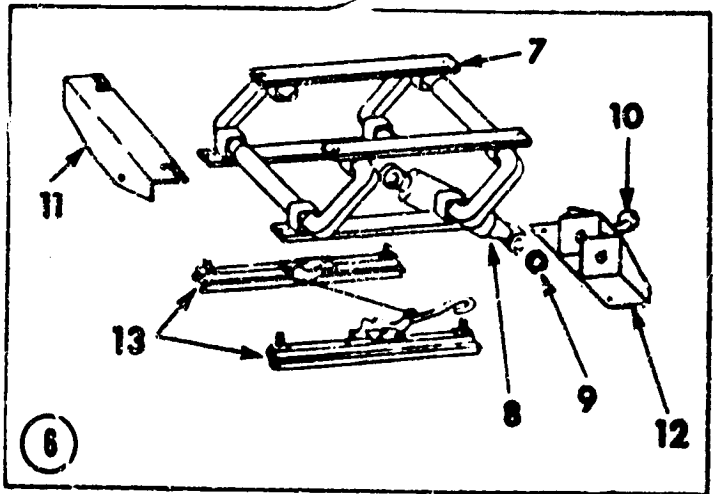
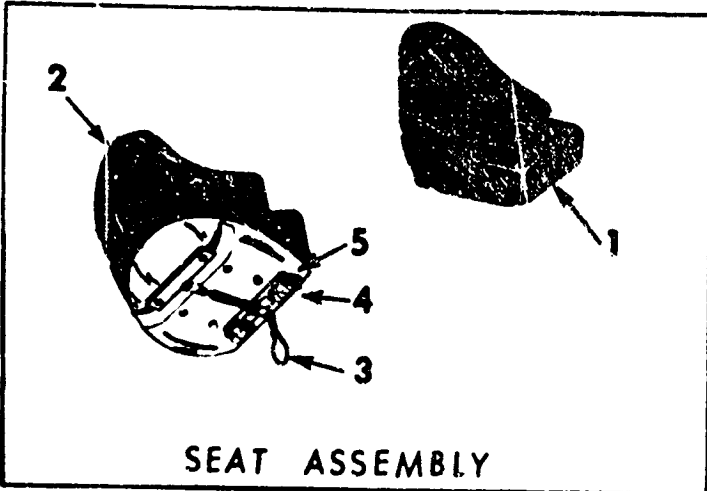
OPERATOR'S COMPARTMENT



CL-09724

1	196 487 H3 179 881 103 323 105 265 102 637	FLOORBOARD, Front SCREW, Cap (4)) Front WASHER, Lock 1/2" (4)) Floorboard WASHER, Flat 1/2" (4)) to Cross NUT, Hex 1/2" NC (4)) Angle	5	195 629 H1	COMPARTMENT, Drivers (Used on machines not equipped with Seat Suspension "Air Type" Kit)
2	198 438 H1 103 321 106 263 181 361 181 431 103 323 103 029	RUNNER WASHER, Lock 3/8" (2) WASHER, Flat 3/8" (2) SCREW, Cap 3/8 NF x 7/8" (2) SCREW, Cap 1/2 NF x 1-1/2" (2) WASHER, Lock 1/2" (2) NUT, Hex 1/2" (2)	5	884 804 C1 271 635 18 558 R1	COMPARTMENT, Drivers (Used on machines equipped with Seat Suspension "Air Type" Kit) SCREW, Cap 3/4 NF x) Compart- 2-1/4" (7)) ment NUT, 3/4 x 16" NF) Attach ESNA (7)) ing
3	195 679 H1 181 431 103 323 106 264 103 028 103 321 181 361 106 264	FLOORBOARD, Rear L. H. SCREW, Cap 1/2 NF x) 1-1/2" (2)) WASHER, Lock 1/2" (2)) Floor- WASHER, Flat 7/16" (2)) board NUT, Hex 1/2" NF (2)) Rear Left WASHER, Lock 3/8" (2)) Hand SCREW, Cap 3/8 NF x) Mounting 7/8" (2)) WASHER, Flat 7/16" (4))	6	202 953 H1 181 305 103 319	COVER SCREW, Cap 1/4 NF x) Cover 1/2" (4)) Attach- WASHER, Lock 1/4" (4)) ing
4	196 490 H1 181 361 103 321 106 263 181 431 103 323 103 028 143 792 H1 127 440 H1	FLOORBOARD, Rear R. H. SCREW, Cap 3/8 NC x) 7/8" (2)) WASHER, Lock 3/8" (2)) Floor- WASHER, Flat 3/8" (2)) board Rear SCREW, Cap 1/2 NF x) Right Hand 1-1/2" (2)) Mounting WASHER, Lock 3/8" (2)) NUT, Hex 1/2" (2)) GROMMET, Rear R. H. Floorboard (I. H. and Detroit) GROMMET, Rear R. H. Floorboard (Cummins)	7	198 786 H1 206 267 H1 181 370 103 321	BOX, Instrument (I. H. & Cummins) BOX, Instrument (Detroit Diesel) SCREW, Cap 3/8 NF x 1/4" (4) WASHER, lock 3/8" (4)
			8	198 787 H4	PANEL, Instrument
			9	197 091 H2 181 311 103 319 432 580 202 602 H1	PLATE, Instrument Panel Leg Plug SCREW, Cap 1/4 NF x 5/8" (4) WASHER, Lock 1/4" (4) BUTTON, Plug GROMMET
			10	879 771 C1 179 793 109 084 113 114	PLATE, Cover BOLT, 1/4 NC x 5/8" (4)) Plate NUT, Hex 1/4" NC (4)) Mount- WASHER, Lock 1/4" (4)) ing

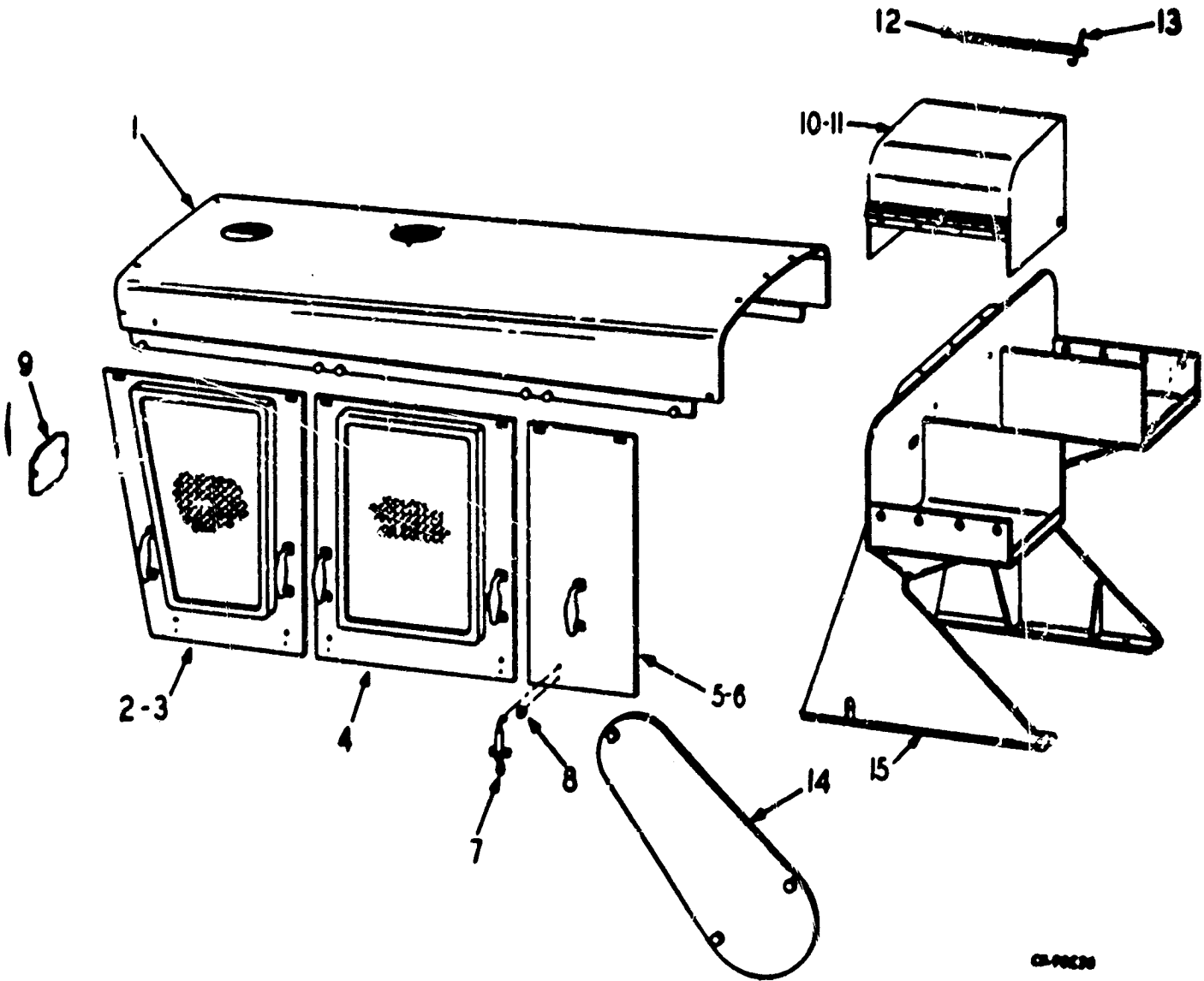
SEAT SUSPENSION (Spring Type)



CF-90164 B

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SEAT SUSPENSION (Spring Type)					
1	160 253 H1	SEAT ASSEMBLY (Order 221 362 H2)	14	877 479 C1	BRACKET (4)
	181 689 H1	1001-1156 SEAT, Shell)		181 336	CAP. Screw 5/16 NF x 3/4" (4)) Seat to
	152 762 H1	BACKREST) Used		103 320	WASHER, Lock 5/16" (4)) Bracket
	181 691 H1	SEAT, Cushion) with Seat		103 025	NUT, Hex 5/16" NF (4))
	179 835	SCREW, Cap 3/8 NC x 5/8" (5))	15	177 303 H1	SLIDE
2	221 362 H2	SEAT ASSY., w/Arm rests (Includes Items marked #) 1157 & Up		103 320	WASHER, Lock 5/16" (8)) Slide to Seat Deck
#	WF-36P	WASHER, Flat (2)		103 025	NUT, Hex 5/16" NF (8)) and Bracket
#	222 190 H1	SEAT, Shell		181 370	SCREW, Cap 3/8 NF x 1-1/4" (8)) Bracket to
#	222 191 H1	BACKREST		103 321	WASHER, Lock 3/8" (8)) Bracket
#	222 192 H1	SEAT, Cushion		103 026	NUT, Hex 3/8" NF (8))
#	179 835	SCREW, Cap 3/8 NC x 5/8" (5)	16	881 949 C91	SHOCK FREE BASE ASSEMBLY (Includes Items 16 thru 20) SN01390 and up
# 3	875 511 C91	CHAIN, Bolt Assembly)		179 799	SCREW, 1/4 x 1-1/4" NC (4)) Bar
# 4	875 512 C1	HINGE, Left Half)		19 592 R1	LOCKNUT, 1/4" NC-20 (4)) Stabili-
# 4	875 513 C1	HINGE, Right Half) With Chain		106 261	WASHER, Flat 1/4" (4)) Mounting
# 5	875 514 C91	HINGE PIN (2)) Pull Seat	17	200 314 H1	SUSPENSION SET ASSEMBLY
#	19 397 R1	ROLL PINS (2)) Adjustment, Mounted		181 341	SCREW, 5/16"-24 x 1-1/4" (2)) Suspension
#	875 515 C1	SCREW, w/Washer (5)) Directly		103 320	WASHER, Lock 5/16" (2)) to Bracket
#	180 122	SCREW (2)) On Sliding		106 261	WASHER, Flat 5/16" (2)) and Seat
6	176 445 H1	SHOCK FREE SUSPENSION (Includes Items 7 thru 13) SN1001 thru 01225 except 01208 to 01221 and 01223 (Order Shockfree Base 881 949 C91)		103 025	NUT, Hex 5/16" (2))
	181 341	SCREW, Cap 5/16 NF x 1-1/4" (4))		882 225 C91	BRACKET ASSEMBLY (Includes Items 18 and 19)
	615 031 R1	WASHER, Flat 5/16" (4)) Suspension	17A	882 224 C1	BAR, Stabilizer (2)
	103 320	WASHER, Lock 5/16" (4)) Seat	18	200 319 H1	BRACKET, Shock Mounting (2)
	103 025	NUT, Hex 5/16" (4))	19	177 301 H1	ABSORBER, Shock
7	177 298 H1	SUSPENSION		103 385	PIN COTTER, 1/8 x 1" (4)
	19 592 R1	NUT, 1/4"-20 NC)		200 318 H1	PIN, Dowel (2)
	179 799	ESNA (4)) Bar	20	882 223 C1	SLIDE ASSEMBLY
	106 261	SCREW, Cap 1/4 NC x 1-1/4" (4)) Stabilizer		103 025	NUT, Hex 5/16" (8)) Slide to
	177 299 H1	WASHER, Flat 1/4" (4)) Mounting		103 320	WASHER, Lock 5/16" (8)) Seat Deck
8	177 301 H1	SHOCK, Absorber		106 261	WASHER, Flat 5/16" (4)) and Suspension
	200 318 H1	PIN, Dowel (2)			
	103 385	PIN, Cotter 1/8 x 1" (4)			
	103 339	WASHER, Flat 1/4" (4)			
9	177 302 H1	BUSHING, Rubber (4)			
10	340 173 C1	HANDLE			
	181 339	SCREW, Cap 5/16 NF x 1" Handle			
	17 234 R1	NUT, 3/8" NF-24) Mount-			
	200 320 H1	WASHER, Spring) ing			
11	200 319 H1	BRACKET ASSEMBLY, Rear			
12	198 798 H1	BRACKET ASSEMBLY, Front			
13	177 303 H1	SLIDES, Assembly			
	615 031 R1	WASHER, Flat 5/16" (4)) Shock, Free Base			
	103 025	NUT, Hex 5/16" NF (4)) to Adjustable Slides			

SHEET COWLING



1	198 640 H1	HOOD, Rear (Use with I. H. Engine)	3	177 135 H1	PANEL, Rear, L. H.
1	198 641 H2	HOOD, Rear (Use with Cummins Engine)	4	177 136 H1	PANEL, Rear, Center (2)
1	198 652 H1	HOOD, Rear (Use with Detroit Diesel Engine)	5	198 666 H1	PANEL, Side, Forward, R. H.
	381 371	SCREW, Cap 3/8 NF x 1-3/8" (4)	6	198 667 H1	PANEL, Side, Forward, L. H.
	103 321	WASHER, Lock 3/8" (4)	7	193 618 H1	LATCH (12)
	103 026	NUT, Hex 3/8" NF (4)		168 753 H1	SCREW, Drive (36)
	181 361	SCREW, Cap 3.8 NF x 7/8" (8)	8	193 619 H1	BUMPER, Panel Latch (12)
	106 263	WASHER, Flat 3/8" (8)		193 640 H1	SCREW (12)
	103 321	WASHER, Lock 3/8" (8)		120 622	NUT (12)
	103 026	NUT, Hex 3/8" (8)		121 841	WASHER, Lock (12)
2	177 134 H1	PANEL, Rear, R. H.			

CHASSIS

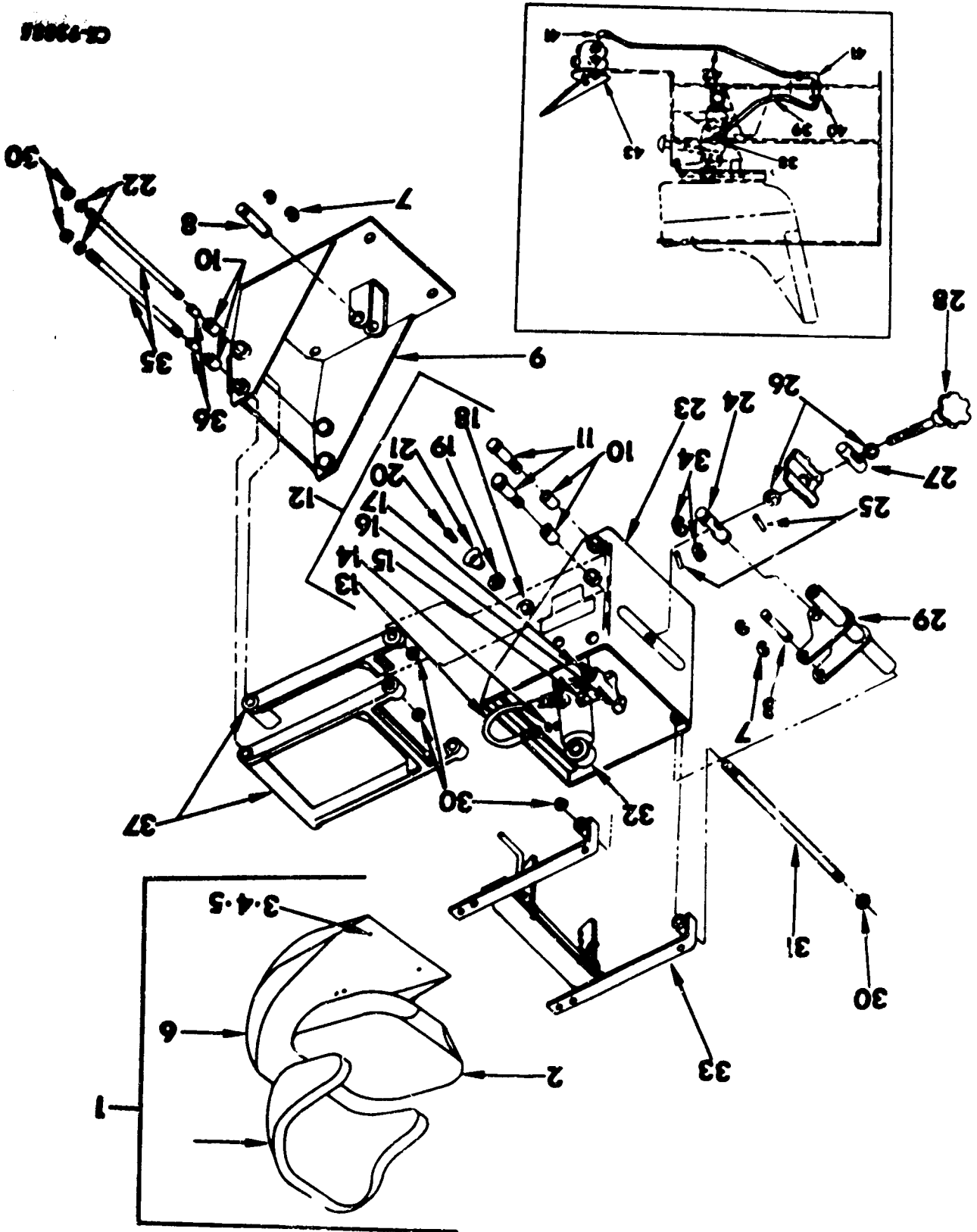
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SHEET COWLING - Continued

MEMORANDA

9	195 715 H1 181 210 103 321	COVER SCREW, Cap 3/8 NF x 1-1/4" (2) WASHER, Lock 3/8" (2)
10	195 698 H1	COVER, Battery Box, R. H.
11	195 699 H1 181 361 103 321 103 026 153 618 H1 168 753 H1	COVER, Battery Box, L. H. SCREW, Cap 3/8 NF) x 7/8" (8)) Cover to WASHER, Lock 3/8" (8)) Bulkhead NUT, Hex 3/8" (8)) CLAMP, Hood (2)) Battery SCREW (6)) Cover
12	196 944 H1 103 361	ANGLE, Battery Retainer (2) PIN, Cotter (4)
13	201 873 H1 106 261 103 319 20 090 R1	BOLT, Battery Retainer (4) WASHER, Flat 1/4" (4) WASHER, Lock 1/4" (4) NUT, ESNA 1/4"-20 NC (4)
14	115 431 H1 179 817 103 320	COVER, Access Hole (2) SCREW, Cap 5/16 NC) Cover x 7/8" (6)) Attach- WASHER, Lock 5/16" (6)) ing
15	198 262 H1 271 636 18 558 R1	BULKHEAD SCREW, Cap 3/4 NF x 2-1/2" (6) NUT, ESNA 3/4" NF-16 (6)

CL-92001



SEAT SUSPENSION (Air Type)

CHASSIS

CHASSIS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
SEAT SUSPENSION (Air Type) - Continued					
	885 260 C91	AT, Air Seat Suspension (See NOTE 1) (Includes the following)	35	619 398 C1	SHAFT (2)
1	8 2 424 C92	SEAT	36	619 399 C1	SPACER (4)
1A	222 191 H1	BACK REST	37		ARM (Not Furnished Separately)
2	882 910 C1	CUSHION, Seat	38	175 775 H1	ELBOW
3	875 515 C1	BOLT (5)	39		TUBE w/o NUTS - cut length 1/4" O. D. x 18" long - cut from bulk Tube No. 213 192 H1
4	179 839	BOLT, 3/8 NC x 1" (2)		29 898 D	NUT, Tube - 1/4" (2)
5	103 340	WASHER, 3/8" (2)	40	175 774 H1	CONNECTOR
6		SHELL ASSEMBLY (Not Furnished Separately)	41	164 839 H1	ELBOW (2)
7	373 523 R1	RING, Retaining (4)	42		TUBE w/o NUTS cut length 1/4" O. D. x 60" long - cut from bulk Tube No. 213 192 H1
8	615 392 C1	SHAFT (2)		29 898 D	NUT, Tube - 1/4" (2)
9	887 755 C1	BASE	43		VALVE, Treadle (See Treadle Valve in Section 13)
10	610 266 C1	BEARING (8)		883 001 C1	PLATE, Side (2)
11	887 756 C1	BOLT, Shoulder (4)		885 244 C3	TUBE
12	888 079 C91	AIR CONTROL ASSEMBLY (Includes items 13 thru 21)		885 245 C3	TUBE
13	610 299 C1	HOSE		FGH-10742	DRAWING, Installation Seat
14	887 757 C1	GASKET		FGH-10741	DRAWING, Drivers Compartment
15	183 893 H1	ELBOW		213 192 H1	TUBING, 1/4" O. D. x bulk 50 ft.
16	146 018 H1	ELBOW		619 497 C91	KIT, Suspension Arm (Consists of -
17	887 758 C91	VALVE, Air		2	LOCKWASHER 103 323
18	145 412 H1	WASHER, Lock		2	NUT 145 009
19		PANEL NUT)		1	SHAFT 619 398 C1
20		SCREW) Order		2	SPACER 619 399 C1
21		KNOB) 887 758 C91		81	ARM)
22	103 323	WASHER, Lock - 1/2" (4)		882 028 C91	SUSPENSION BASE ASSEMBLY (Includes items 7 thru 37)
23	887 759 C1	SUPPORT, Upper		181 427	BOLT, 1/2 NC x 1" (4)
24	615 393 C1	SHAFT		103 329	WASHER, Lock - 1/2" (4)
25	886 286 C1	PIN, Spiral (?)		103 028	NUT, 1/2 NF (4)
26	120 396	WASHER			
27	615 394 C1	SHAFT			
28	702 999 C1	SCREW, Adjusting			
29	610 293 C91	ADJUSTMENT, Vertical			
30	145 009	NUT, Hex-lock - 1/2-20 (10)			
31	887 760 C1	SHAFT			
32	887 824 C1	ABSORBER, Air Shock			
33	610 289 C91	ADJUSTMENT, Tilt			
34	603 570 R1	RING, Retaining (2)			

8 - Not Furnished Separately.

NOTE 1 - Order on Machine Order Form.

SECTION 2

ENGINE

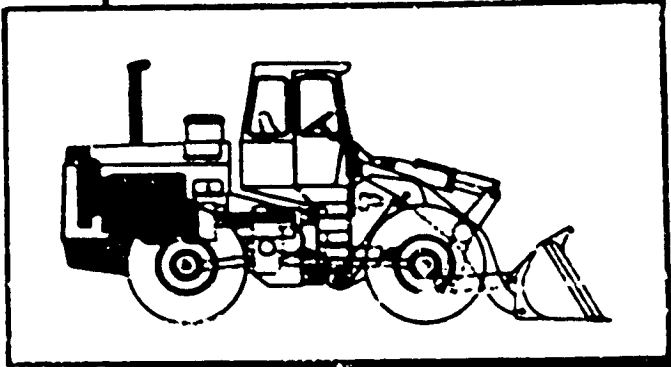
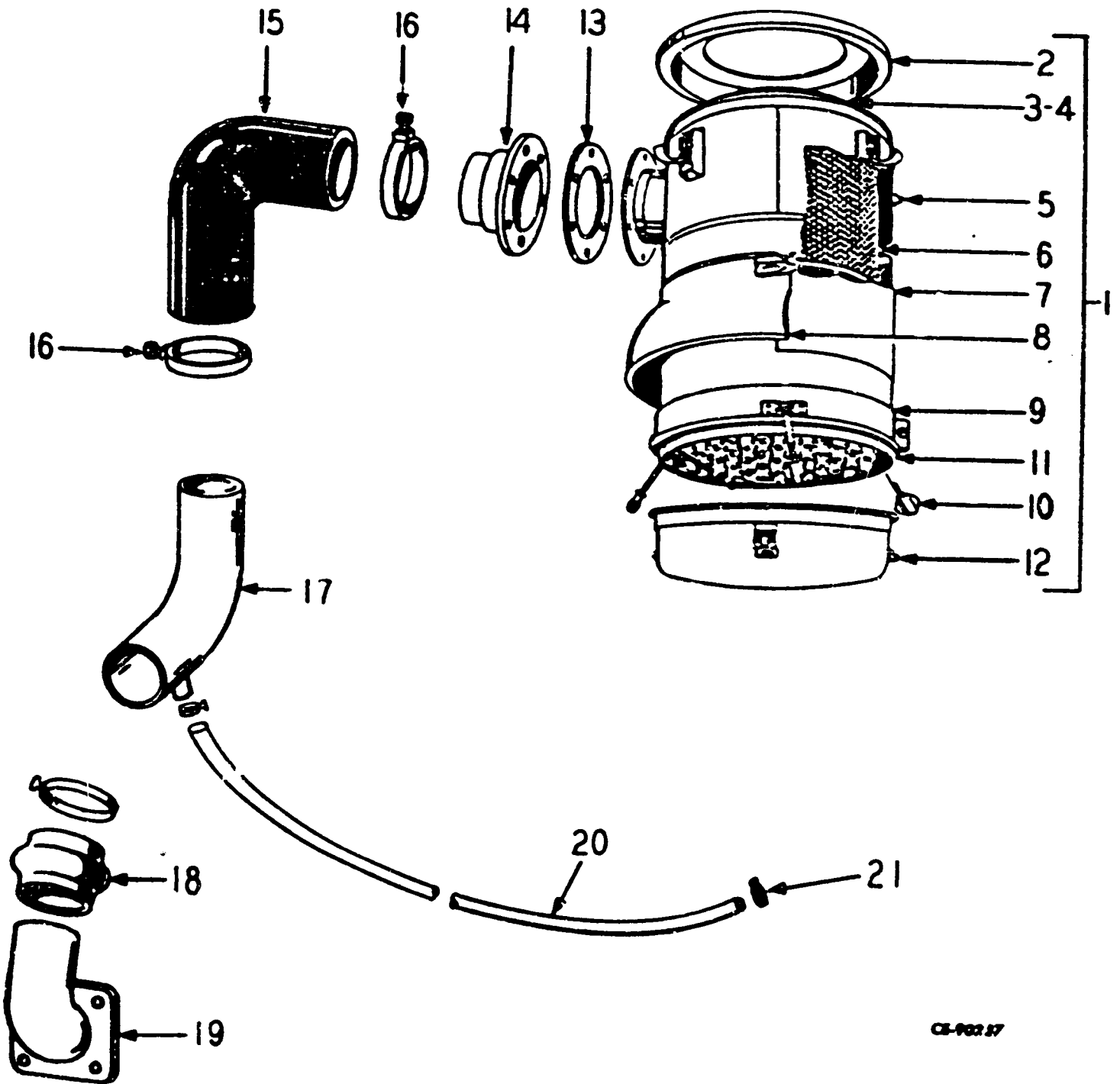


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REFER TO ALPHABETICAL INDEX GRID A-2

AIR CLEANER (IHC D-817)



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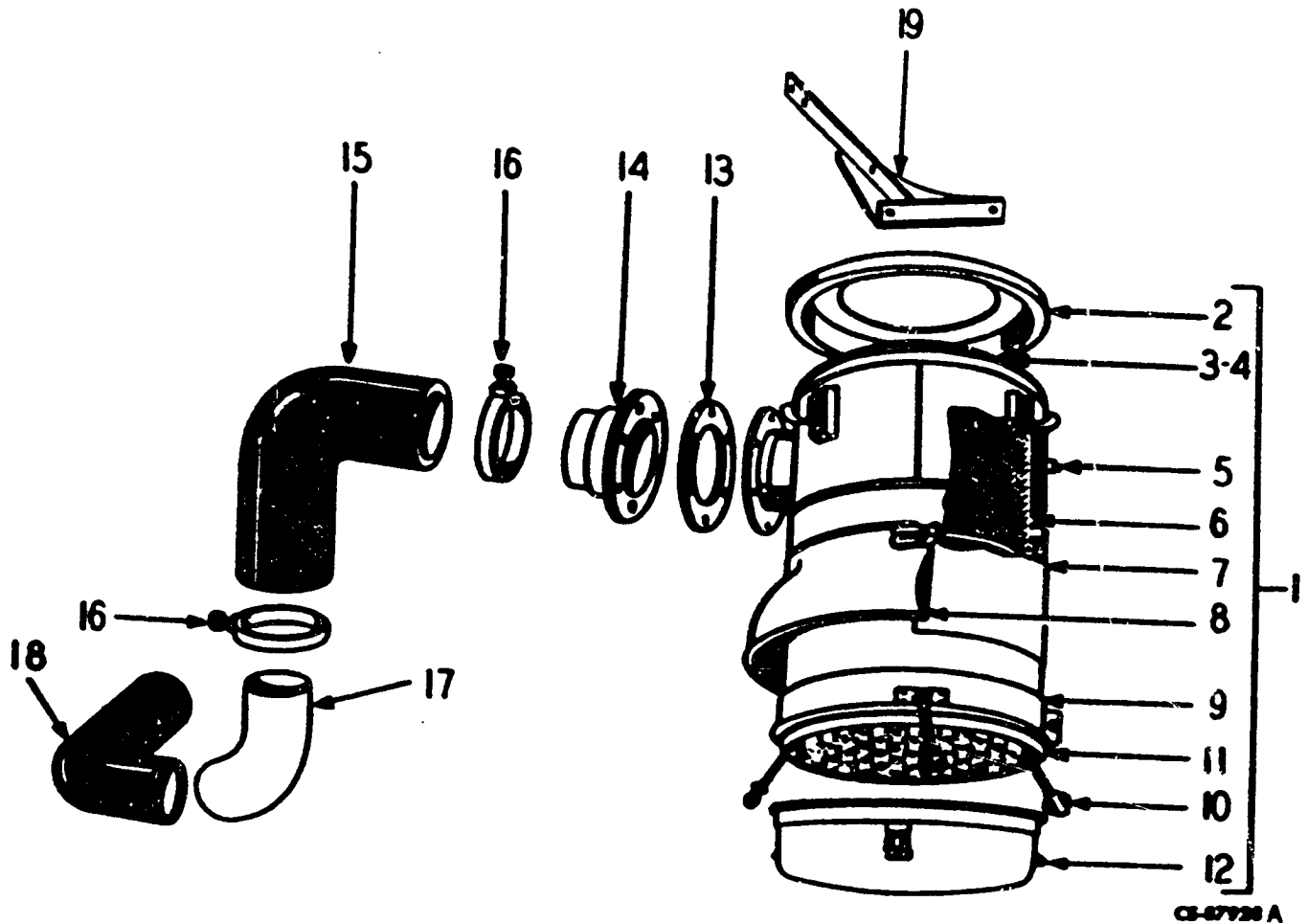
ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CLEANER (IHC D-817) - Continue					
1	152 540 H1	CLEANER, Air, Includes Items 2 thru 12	14	152 944 H1	ADAPTER
2	155 262 H1	COVER, Includes Item 3	15	150 751 H1	ELBOW
3	155 263 H1	GASKET	16	184 212 H1	CLAMP (4)
4	155 208 H1	BOLT & GASKET ASSEMBLY	17	198 503 H1	TUBE, Air Cleaner
5	445 684	PLUG, Pipe 1/8"	179 837	SCREW, Cap 3/8 NC x 3/4" (6)	) Adapter
6	155 264 H2	ELEMENT	103 321	WASHER, Lock 3/8" (6)	
7		BODY (Order Air Cleaner, 152 540 H1)	103 026	NUT, Hex 3/8" NF (6)	) Bracket
8	155 266 H1	SHROUD & SHIELD ASSEMBLY	198 520 H1	BRACKET, Air Cleaner (2)	
9	155 267 H1	BAND ASSEMBLY	181 428	SCREW, Cap 1/2 NF x 1-1/8" (4)	) to Bulkhead
10	155 214 H1	BOLT ASSEMBLY (3)	103 323	WASHER, Lock 1/2" (4)	
	193 425 H1	COVER ASSEMBLY, Inner	18	176 034 H1	HOSE, Hump
	193 426 H1	GASKET, Inner Cover	19	196 271 H1	ELBOW, Air Intake Manifold
11	155 270 H1	GASKET		178 496 H1	GAUGE, Air Cleaner
12	155 268 H1	CUP ASSEMBLY	20	177 638 H1	HOSE, Air Cleaner to Compressor
	152 539 H1	BAND, Mounting (2)	21	333 710 R91	CLAMP (2)
	181 395	SCREW, Cap 7/16 NF x 1" (4)		187 500 H1	ADAPTER)
	271 505	NUT, Hex 7/16" NF (4)		120 605 H1	ELBOW)
	103 322	WASHER, Lock 7/16" (4)		153 610 H1	GASKET) Compressor Inlet
13	152 945 H1	GASKET		179 817	SCREW, Cap 5/16 NC x 7/8" (2)
				103 320	WASHER, Lock 5/16" (2)

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER (Cummins NH-250 CI)



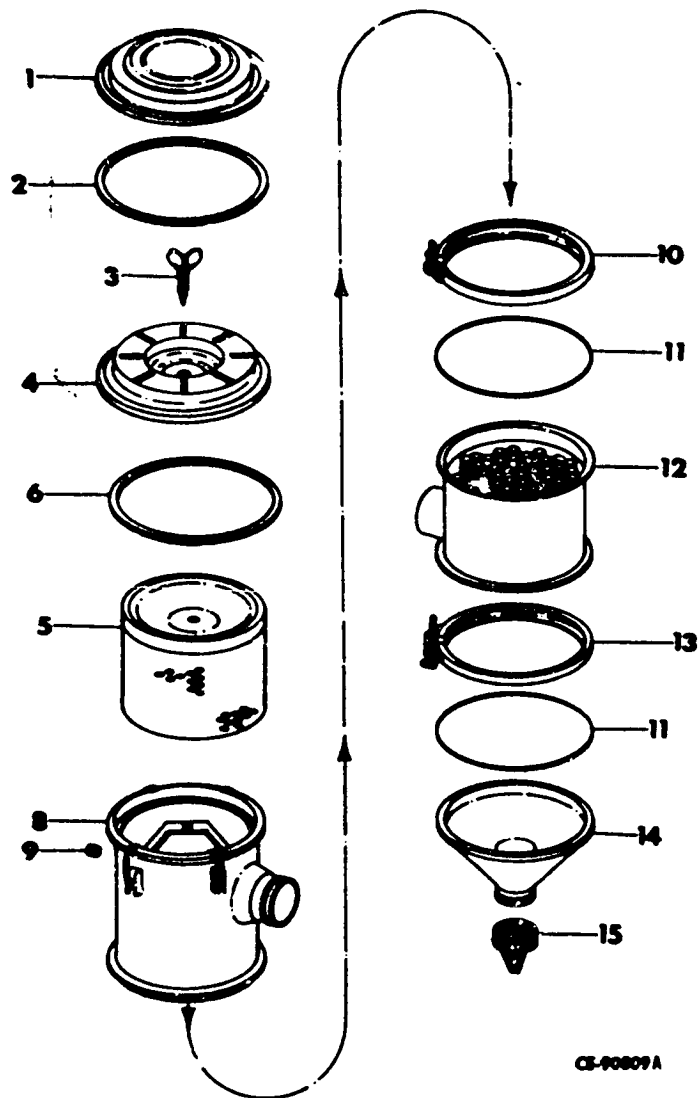
1	152 540 H1	CLEANER, Air (Includes Items 2 thru 12)		181 395	SCREW, Cap 7/16 NF x 1" (4)) Cleaner to
2	155 262 H1	COVER		271 505	NUT, Hex 7/16" NF (4)	) Mtg.
3	155 263 H1	GASKET		103 322	WASHER, Lock 7/16" (4)	) Bracket
4	155 208 H1	BOLT & GASKET ASSEMBLY	13	152 945 H1	GASKET	
5	445 684	PLUG, Pipe 1/8"	14	192 248 H1	ADAPTER	
6	155 264 H2	ELEMENT		179 837	SCREW, Cap 3/8 NC x 3/4" (6)	) Adapter
7		BODY (Order Air Cleaner 152 540 H1)		103 321	WASHER, Lock 3/8" (6))
8	155 266 H1	SHROUD & SHIELD ASSEMBLY		103 026	NUT, Hex 3/8" NF (6))
9	155 267 H1	BAND ASSEMBLY	15	178 080 H1	ELBOW	
10	155 214 H1	BOLT ASSEMBLY (3)	16	177 179 H1	CLAMP (4)	
	193 425 H1	COVER ASSEMBLY, Inner	17	198 504 H1	TUBE	
	193 426 H1	GASKET, Inner Cover	18	178 080 H1	TUBE	
11	155 270 H1	GASKET	19	198 520 H1	BRACKET, Air Cleaner (2)	
12	155 268 H1	CUP ASSEMBLY		181 428	SCREW, Cap 1/2 NF x 1-1/8" (4)	) Bracket to
	152 539 H1	BAND, Mounting (2)		103 323	WASHER, Lock 1/2" (4)	) Bulkhead
				178 496 H1	GAUGE, Air Cleaner)

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AIR CLEANER (Snorkel Type)

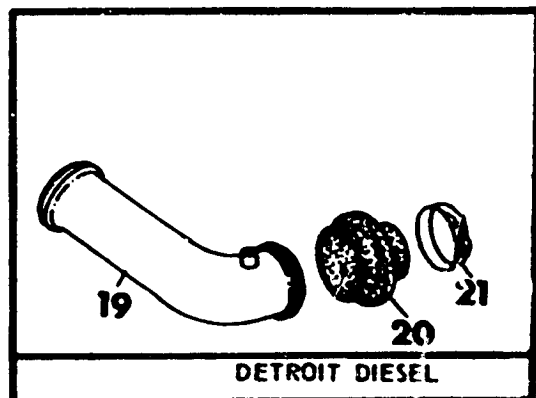
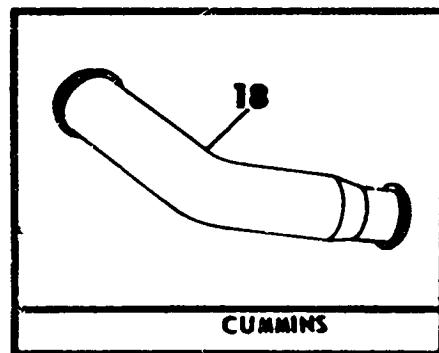
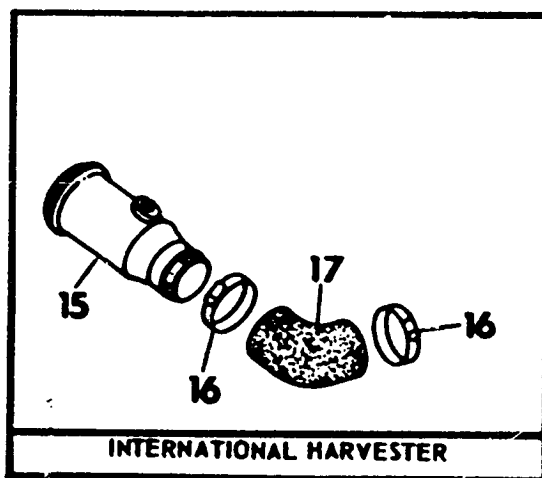
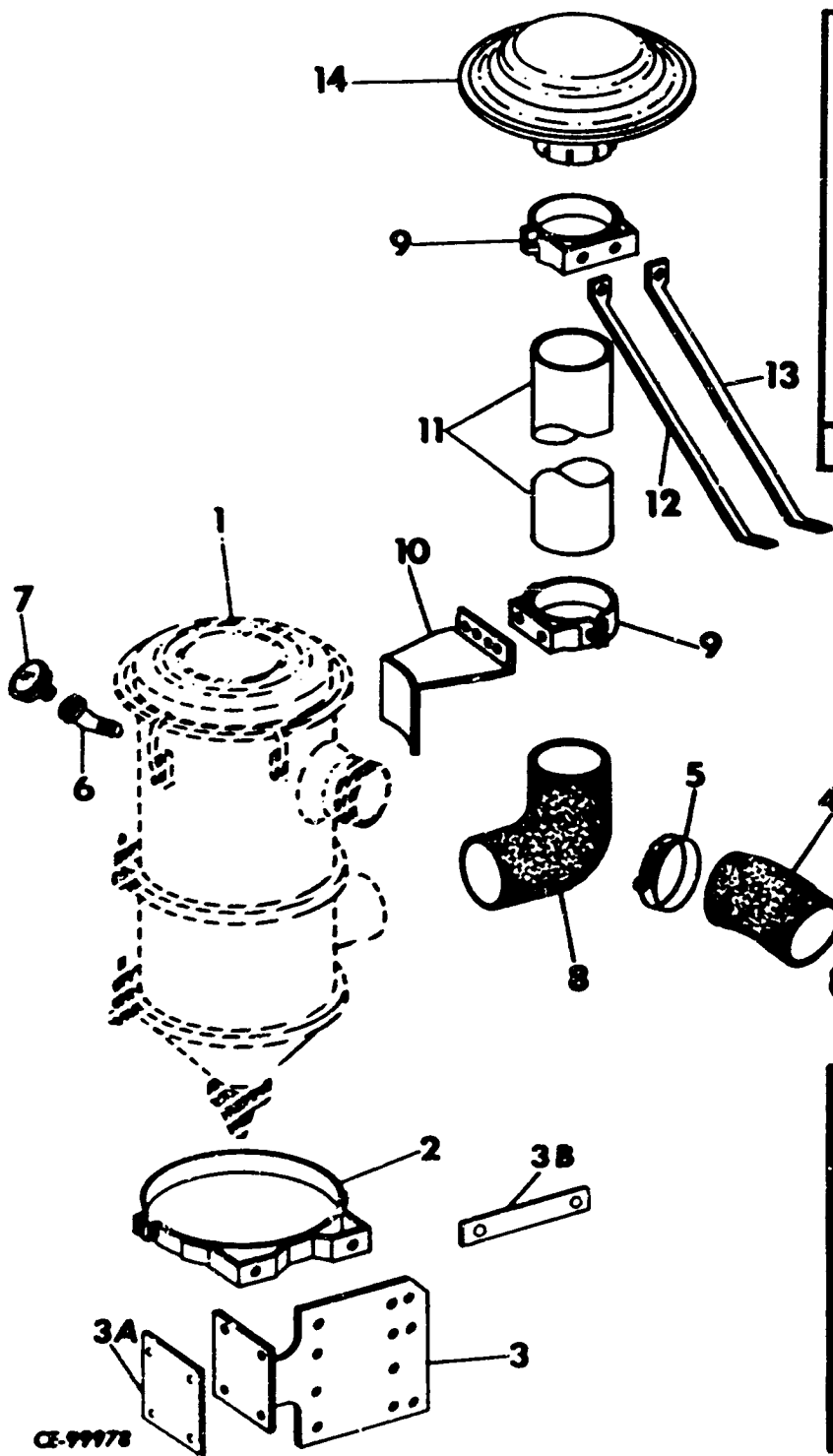
Parts without letters after description indicates the part is used for both air cleaners listed: Letters A and B are used to identify separate air cleaners.



A	879 192 C91	CLEANER, Air (I. H.)
B	879 407 C91	CLEANER, Air (Cummins and Detroit Diesel)
1	172 432 H1	COVER (Cleaner A)
1	155 262 H1	COVER (Cleaner B)
2	229 938 R1	GASKET (Cleaner A)
2	155 263 H1	GASKET (Cleaner B)
3	313 714 H1	BOLT
4	184 659 H1	COVER, Inner (Cleaner A)
4	193 425 H1	COVER, Inner (Cleaner B)
5	924 909 C91	ELEMENT (Cleaner A)
5	326 287 C91	ELEMENT (Cleaner B)
6	189 986 H1	GASKET, Inner Cover (Cleaner A)
6	193 426 H1	GASKET, Inner Cover (Cleaner B)
8	172 434 H1	BODY (Cleaner A)
8	881 172 C1	BODY (Cleaner B)
9	164 710 H1	CAP
10	321 934 R91	CLAMP (Cleaner A)
10	895 272 R91	CLAMP (Cleaner B)
11	309 046 R1	"O" RING (Cleaner A)
11	155 270 H1	"O" RING (Cleaner B)
12	172 437 H1	BODY (Cleaner A)
12	881 173 C1	BODY (Cleaner B)
13	321 933 R91	CLAMP (Cleaner A)
13	218 890 H1	CLAMP (Cleaner B)
14	307 963 C91	CUP (Cleaner A)
14	881 174 H1	CUP (Cleaner B)
15	383 734 R2	VALVE, Vacuator

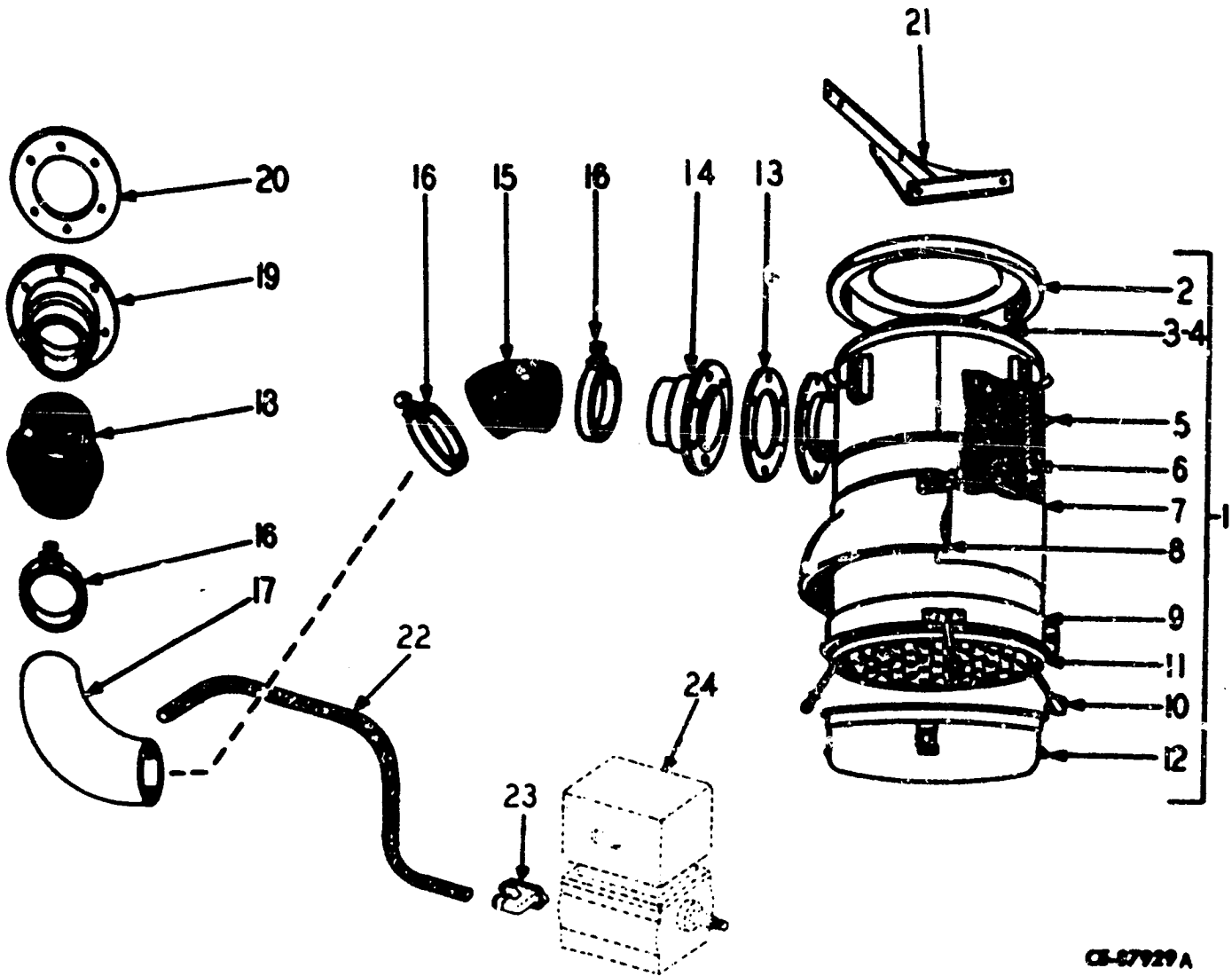
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AIR CLEANER KIT (Snorkel Type)



REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CLEANER KIT (Snorkel Type) - Continued					
Parts without letters after description indicates the part is used for kits listed. Letters A, B and C are used to identify separate kits.			18	878 237 C1	ELBOW (Kit B)
			19	878 183 C1	TUBE (Kit C)
			20	177 174 H1	ADAPTER (Kit C)
			21	177 175 H1	CLAMP (Kit C)
A	8 004 119 R91	KIT, Air Cleaner (I. H.)		FGH-10157	INSTALLATION DRAWING (Kit A)
B	8 004 120 R91	KIT, Air Cleaner (Cummins)		FGH-10158	INSTALLATION DRAWING (Kit B)
C	8 004 121 R91	KIT, Air Cleaner (Detroit Diesel)		FGH-10159	INSTALLATION DRAWING (Kit C)
1		CLEANER, Air (For components see Air Cleaner (Snorkel Type))	8 004 122 R1		DRAWING, Hood Rework (Kit A)
2	175 403 H1	BAND (Kit A)			
2	152 539 H1	BAND (Kit B and C)			
3	877 190 C2	BRACKET (Kit A)			
3A	879 402 C1	BAR (Kit B and C)			
	181 427	1/2NF x 1" BOLT (2)			
	181 429	1/2NF x 1-1/4" BOLT (2)			
	103 928	1/2"NF hex NUT (2)			
	103 323	1/2" lock WASHER (2)			
3B	190 518 H1	BAR (Kit B and C)			
	181 430	1/2NF x 1-3/8" BOLT (2)			
4	879 374 C1	ELBOW (Kit A)			
4	878 618 C1	ELBOW (Kit B and C)			
5	177 175 H1	CLAMP (2)			
6	106 649	ELBOW			
7	877 601 C1	GAUGE			
8	166 781 H1	ELBOW (Kit A)			
	427 313 R91	CLAMP (2)			
8	879 374 C1	ELBOW (Kit B and C)			
	177 175 H1	CLAMP (2)			
9	107 336 H1	BAND (Kit A) (2)			
9	144 820 H1	BAND (Kit B and C) (2)			
10	879 187 C1	BRACKET			
	179 817	5/16NC x 7/8" BOLT (2)			
11	166 787 H1	TUBE (Kit A)			
11	879 479 C1	TUBE (Kit B and C)			
12	886 008 C1	SUPPORT (L. H.) (Kit A)			
12	205 369 H1	SUPPORT (L. H.) (Kit B and C)			
13	886 009 C1	SUPPORT (R. H.) (Kit A)			
13	205 370 H1	SUPPORT (R. H.) (Kit B and C)			
	179 818	5/16NC x 1" BOLT (6)			
	102 634	5/16"NC hex NUT (6)			
	103 320	5/16" lock WASHER (6)			
14	313 630 R91	CAP (Kit A)			
14	702 738 C91	CAP (Kit B and C)			
15	878 274 C1	TUBE (Kit A)			
16	184 212 H1	CLAMP (Kit A) (2)			
17	876 181 C1	ELBOW (Kit A)			

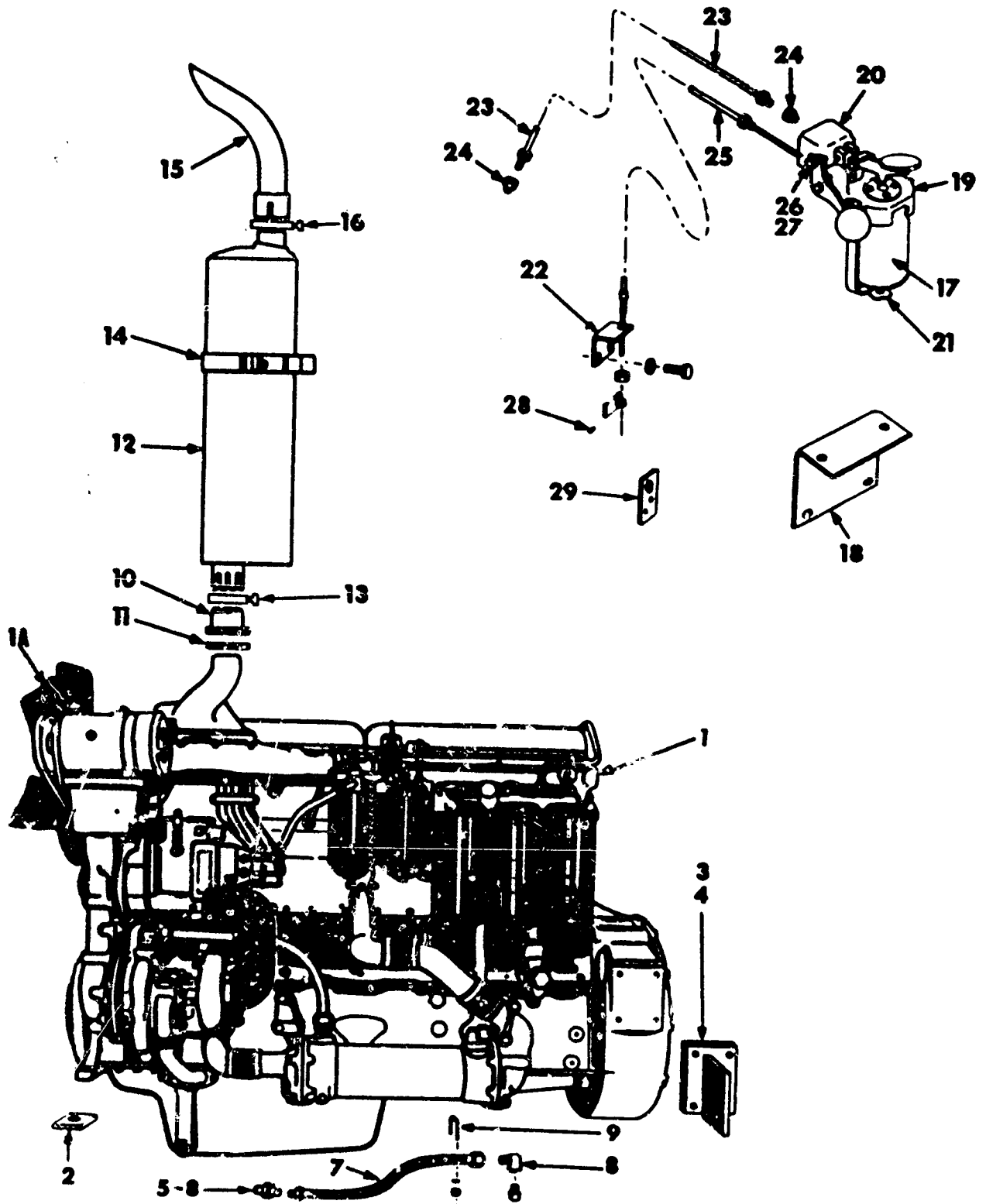
AIR CLEANER (Detroit Diesel 6V-71N)



CS-87929A

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR CLEANER (Detroit Diesel 6V-71N) - Continued					
1	152 540 H1	CLEANER, Air, Includes Items 2 thru 12 plus Items*	15	178 080 H1	ELBOW, 45°
	*193 425 H1	COVER ASSEMBLY - Inner	16	177 179 H1	CLAMP (2)
	*193 426 H1	GASKET - Inner	17	198 505 H1	TUBE
2	155 262 H1	COVER	178 496 H1		GAUGE, Air Cleaner
3	155 263 H1	GASKET	18	177 178 H1	HOSE
4	313 714 R91	BOLT & GASKET ASSEMBLY	19	178 153 H1	ADAPTER ASSEMBLY, Engine
5	445 684	PLUG, Pipe 1/8"	179 839		SCREW, Cap 3/8 NC x) Adapter
6	155 264 H2	ELEMENT	103 321		1" (6)) to
7	NSS	BODY (Not Serviced Separately)			WASHER, Lock 3/8" (6)) Engine
8	155 266 H1	SHROUD & SHIELD ASSEMBLY	20	152 945 H1	GASKET
9	155 267 H1	BAND ASSEMBLY	21	198 520 H1	BRACKET, Mounting Air Cleaner (2)
10	155 214 H1	BOLT ASSEMBLY (3)	181 428		SCREW, Cap 1/2) Air Cleaner
11	155 270 H1	GASKET			NF x 1-1/8" (4)) Mourting
12	155 268 H1	CUP ASSEMBLY	103 323		WASHER, Lock) Bracket to
	152 539 H1	BAND, Mounting (2)			1/2" (4)) Bulkhead
	181 395	SCREW, Cap 7/16 NF x) Air	22	137 956 H1	HOSE, Air Cleaner to Compressor
		1" (4)) Cleaner to	333 110 R91		CLAMP (2)
	103 322	WASHER, Lock 7/16" (4)) Mounting	23	153 609 H1	ELBOW)
	271 505	NUT, Hex 7/16" NF (4)) Bracket	315 209 C1		GASKET) Compres-
13	152 945 H1	GASKET	179 816		SCREW, Cap 5/16 NC) s.r
14	178 153 H1	ADAPTER ASSEMBLY, Air Cleaner	103 320		3/4" (2)) Inlet
	181 360	SCREW, Cap 3/8 NF x)			WASHER, Lock 5/16" (2))
		3/4" (6)) Adapter to	24		COMPRESSOR, (See your Detroit
	103 321	WASHER, Lock 3/8" (6)) Cleaner			Diesel Engine Dealer)
	103 026	NUT, Hex 3/8" NF (6))			

ENGINE & MOUNTING (IHC D-817)



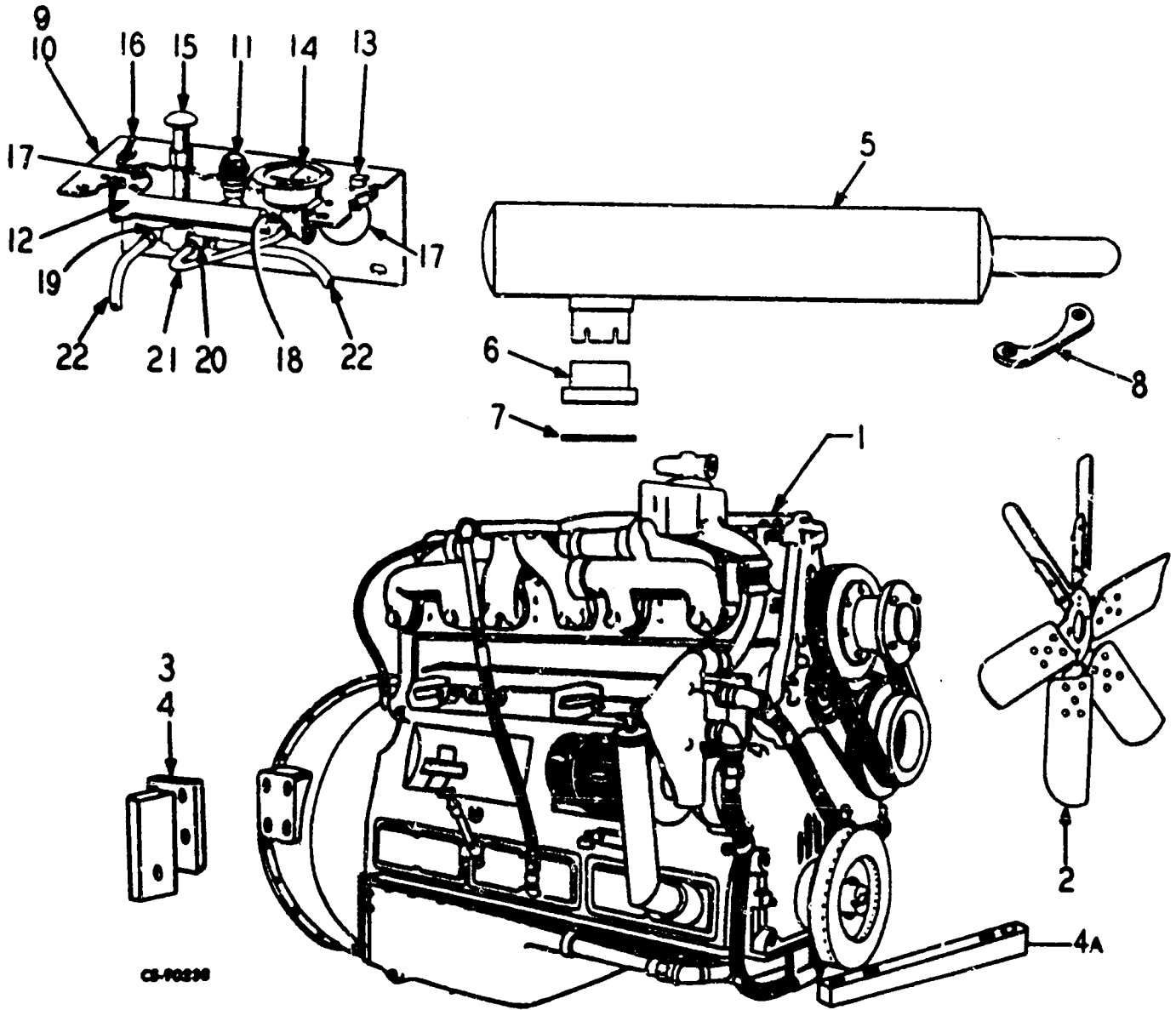
CE-90089A

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE (IHC D-817) - Continued					
1		ENGINE, (See PM D-817 Engine Manual)	20	165 372 H1	SHIELD, Injector
1A	09 237 R91	FAN, Blower (Standard)	21	165 373 H1	BAIL
1A	309 233 R1	FAN, Suction (Optional)		179 835	SCREW, Cap 3/8 NC x 5/8" (2)
2	205 166 H1	WASHER, Round (2)		103 321	WASHER, Lock 3/8" (2)
	271 592	BOLT, 5/8 NF x 3-1/4" (2)	22	165 374 H1	BRACKET, Control Cable
	18 453 R1	NUT, ESNA 5/8" NF-12 (2)		179 793	SCREW, Cap 1/4 NC x 5/8" (2)
3	163 441 H1	ENGINE MOUNT, P. H.		103 319	WASHER, Lock 1/4" (2)
4	163 442 H1	ENGINE MOUNT, L. H.	23	197 541 H1	TUBE
	20 303 R1	SCREW, Cap (8)) Mounts to	24	165 369 H1	CONNECTOR (2)
	18 453 R1	NUT (8)) Bellhousing	25	221 290 H1	CABLE, Air Shut-Off
	272 511	SCREW, Cap 1 NF x)	26	165 375 H1	SWIVEL, Lever (2)
	18 462 R1	2-3/4" (2)) Mounts to	27	165 376 H1	RETAINER (2)
	121 326	NUT, ESNA 1" NF-14 (2)) Frame	28	138 457 H1	SCREW, Set (2)
		WASHER, Flat 1" (2))	29	HL-3530	CLAMP, Cable to Engine (2)
5	9 410 204	ADAPTER, Oil Pan Drain		116 983 H1	CLAMP, Tach. Drive to Engine (2)
6	364 885 R1	"O" RING, 2-3/4 x 3 x 1/8"		HL-3550	CLAMP, Tach. Drive to Frame
7	197 109 H2	HOSE, Oil Pan Drain		875 651 C91	KIT, Chassis Field Conversion (For converting engines equipped with International Model "R. D." Fuel Injection Pumps to Roosa-Master Injection Pumps) (Engine Field Conversion 612 C42 C91 must be used in conjunction with this Kit) (See Note)
8	106 686	ELBOW, St. 90° x 1/2"			SN 1001 thru 01274 except 01261, 01264, 01271 and 01273
	444 588	PLUG, Pipe 1/2"			(Consists of -
9	107 150 H1	"U" BOLT			1 PLUG 445 626
	102 635	NUT, Hex 3/8" NC (2)			1 BUSHING, Reducer 144 046
	103 321	WASHER, Lock 3/8" (2)			1 ADAPTER, Straight 876 165 C1
	876 686 C1	TACHOMETER (Replaces 201 555 H1)			1 ADAPTER, 90° 9 402 864
	120 217	WASHER, Lock (2)			1 ADAPTER, 90° 876 161 C1
	120 614	NUT (2)			1 BRACKET 875 178 C1
	201 663 H1	BRACKET, Mounting Tachometer			2 SCREW, Cap 179 839
	181 349	SCREW, Cap 5/16 NF x 2-1/2" (2)			1 AUXILIARY, Pump 204 994 H1
	103 320	WASHER, Lock 5/16" (2)			2 SCREW, Flat 179 817
	103 025	NUT, Hex 5/16" NF (2)			2 WASHER, Flat 615 031 R1
	201 666 H2	FLEXIBLE SHAFT ASSEMBLY			2 NUT, Esna 19 277 R1
	150 715 H1	ADAPTER, Drive - 90°			1 HOSE, Supply 196 230 R1
	177 904 H1	SPACER, Tach. Mounting to Battery Box (2)			1 HOSE, Supply 177 581 H1
	167 565 H1	KEY, Drive			1 CLAMP 120 418 H1
10	177 211 H1	FLANGE, Exhaust			1 WIRE, Hourmeter to Ground 187 396 H1
11	177 214 H1	GASKET, Exhaust			1 WIRE, Switch to Solenoid Lead 193 848 H1
	102 635	NUT, Hex 5/16" NC (4)) Exhaust			1 WIRE, Fuel Solenoid to Auxiliary Pump 205 920 H1
	103 321	WASHER, Lock 3/8" (4)) Engine			1 CABLE, Accelerator Control 211 993 H1
12	177 215 H2	MUFFLER, Exhaust			1 JOINT, Ball 281 800 C92
13	153 691 H1	CLAMP			1 WASHER 875 409 H1
14	143 855 H1	BAND			2 NUT, Jam 114 492
	181 360	SCREW, Cap 3/8 NF x) Mounting			SCHEMATIC FUEL PIPING FGH-10023
	106 263	3/4" (2)) Band			DIAGRAM WIRING 214 243 H1
	103 321	WASHER, Flat 3/8" (2)) to			DIAGRAM, THROTTLE LINKAGE 212 060 H1)
	103 026	WASHER, Lock 3/8" (2)) Hood			
		NUT, Hex 3/8" NF (2)) Support			
15	177 216 H2	EXTENSION			
16	177 217 H1	CLAMP, Extension to Muffler			
17	165 377 H1	STARTING FLUID			
	200 206 H1	GASKET, Starting Fluid			
	127 440 H1	GROMMET, Floorboard			
18	197 531 H3	BRACKET, Mounting			
	181 360	SCREW, Cap 3/8 NF x)			
	103 321	3/4" (4)) Bracket			
	106 263	WASHER, Lock 3/8" (4)) Mounting			
		WASHER, Flat 3/8" (4))			
19	165 370 H1	INJECTOR ASSEMBLY, Air Shut-off & Ether			

NOTE: All parts listed in the Conversion Kit are listed and illustrated throughout this catalog.

ENGINE

ENGINE & MOUNTING (Cummins)



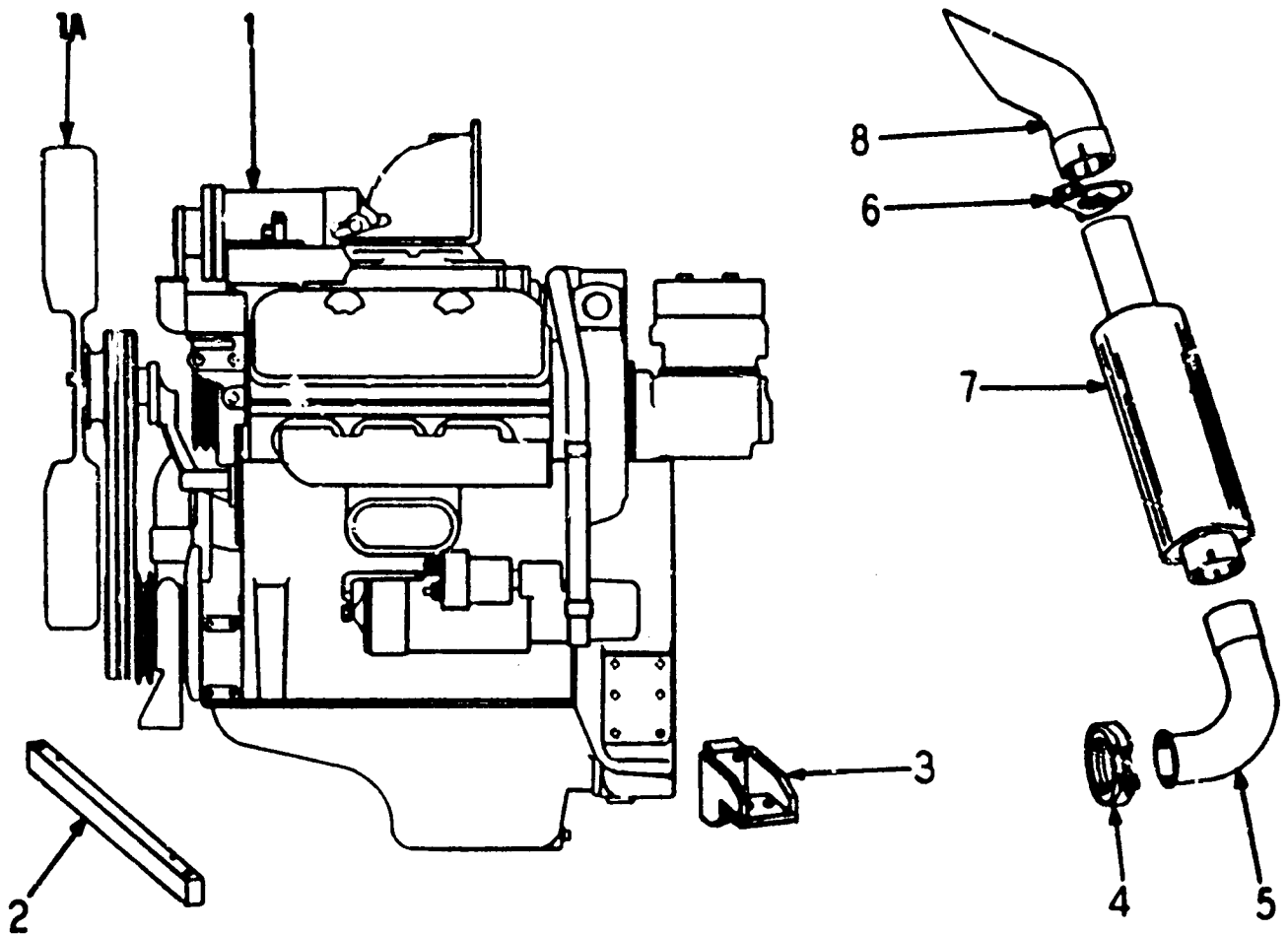
ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ENGINE & MOUNTING (Cummins) - Continued					
1	195 604 H1	ENGINE (See Cummins Eng. Manual NH-250-C1)	9		STARTING AID ASSEMBLY, (See Cummins Engine Manual)
	271 589	SCREW, Cap 5/8 NF x 2-1/2" (2)			
	103 325	WASHER, Lock 5/8" (2)	10	175 381 H1	BRACKET, Starting Aid
	18 953 R1	NUT, Esna 5/8 NF x 18" (2)		181 360	SCREW, Cap 3/8 NF x 3/4" (4)
					WASHER, Lock 3/8" (4)
2	199 873 H1	FAN, Blower (Standard)		103 321	WASHER, Lock 3/8" (4)
2	886 487 C1	FAN, Suction (Optional)		106 263	WASHER, Flat 3/8" (4)
3	184 022 H1	MOUNT, Engine, R. H.		180 080 H1	HOSE
4	184 023 H1	MOUNT, Engine, L. H.	11	137 491 H1	LIGHT, Indicator
	271 598	SCREW, Cap, 5/8 NF x 4-3/4", Support to Frame (2)	12		RESISTOR, Pre-Heater (See Cummins Engine Manual) (2)
	168 495 H1	SPACER, Fan End (2)		168 456 H1	SCREW (2)
	271 558	SCREW, Cap 5/8 NC x 1-1/2" (8)		163 319	WASHER, Lock 1/4" (2)
				109 084	NUT, Hex 1/4" NC (2)
	103 325	WASHER, Lock 5/8" (8)			CIRCUIT BREAKER (See Cummins Engine Manual)
	106 267	WASHER, Fan End 5/8", Under Bolt Head & Nut (4)	13	140 746 H1	SCREW, Circuit Breaker Mounting (2)
	272 ±11	SCREW, Cap 1 NF x 2-3/4" (2)			GAUGE, Pressure (See Cummins Engine Manual)
	18 462 R1	NUT, Esna 1" NF x 14 (2)	14	156 438 H1	SCREW (3)
	106 270	WASHER, Flat 1" (2)		121 841	WASHER, Lock No. 8 (3)
	112 002 H1	PETCOCK		120 622	NUT, No. 10 (3)
4A	163 730 H1	SUPPORT - Fan End			PRIMER, Hand
LINE-ENGINE TO LUBE OIL BY BY-PASS FILTER			15		SWITCH, On-Off Toggle
	152 938 H1	ADAPTER	16		WIRE (2)
	126 989 H1	UNION ADAPTER, 90°	17	134 319 H1	WIRE (2)
	183 667 H1	HOSE, Engine to Lube Filter	18	182 866 H1	ELBOW
	122 763 H1	ELBOW, 90°	19	175 775 H1	ELBOW
		FILTER, By-Pass (See Cummins Engine Manual)	20	182 594 H1	TEE
	181 333	SCREW, Cap 5/16 NF x 5/8" (4)	21	182 656 H1	TUBE, Primer to Gauge
	103 320	WASHER, Lock 5/16" (4)	22	197 548 H1	TUBE, Primer to Engine (2)
				175 775 H1	ELBOW, At Engine (2)
				127 440 H1	GROMMET, Floorboard
				179 983 H1	CLAMP, Tubes (4)
				HL-3550	CLAMP, Cable to Engine (2)
				116 983 H1	CLAMP, Tach. Drive to Engine (2)
				HL-3550	CLAMP, Tach. Drive to Frame
LINE-BY-PASS FILTER TO ENGINE					
	122 991 H1	ADAPTER UNION			
	183 667 H1	HOSE, Filter to Engine			
	876 799 C1	ELBOW, St., 90°			
	876 686 C1	TACHOMETER			
	120 217	WASHER, Lock (2)			
	120 614	NUT (2)			
	201 663 H1	BRACKET, Tachometer Mounting			
	181 349	SCREW, Cap 5/16 NF x 2-1/2" (2)			
	103 320	WASHER, Lock 5/16"			
1	103 025	NUT, Hex 5/16" NF (2)			
	201 667 H1	FLEXIBLE SHAFT ASSEMBLY			
	177 904 H1	SPACER, Tach. Mounting (2)			
5	177 559 H1	MUFFLER, Exhaust			
6	177 560 H1	FLANGE			
7	177 563 H1	GASKET			
	181 436	SCREW, Cap 1/2 NF x 2-1/4" (4)			
	103 028	NUT, 1/2" NF (4)			
	103 323	WASHER, Lock 1/2" (4)			
	153 691 H1	CLAMP			
8	198 693 H1	BRACKET, Exhaust			
	16 135 DA	SPACER			
	181 365	SCREW, Cap 3/8 NF x 1-1/8" (2)			
	103 026	NUT, Hex 3/8" NF (2)			
	103 321	WASHER, Lock 3/8" (2)			

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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ENGINE & MOUNTING (Detroit Diesel 6V-71N)



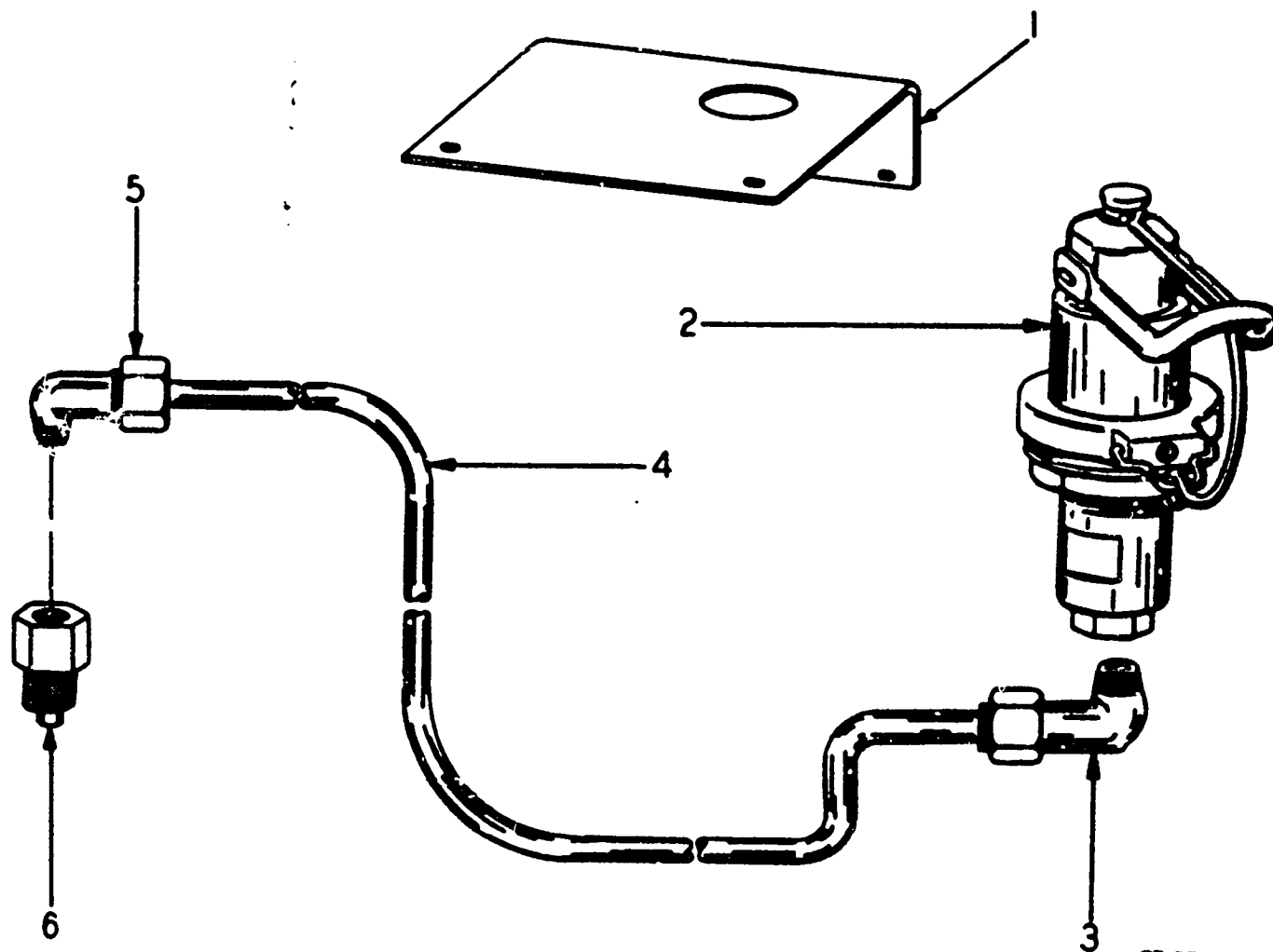
CE-10829 A

1	195 605 H2	ENGINE (See Detroit Diesel Engine Manual)		120 614	NUT (2)	
1A	885 445 C1	FAN, Blower (Standard)		120 617	WASHER, Lock (2)	
1A	210 044 H1	FAN, Suction (Optional)		184 615 H1	FLEXIBLE SHAFT ASSY	
				173 881 H1	ADAPTER, Drive-90°	
				142 409 H1	KEY, Drive	
2	184 056 H1	SUPPORT, Fan End				
	273 014	SCREW, Cap 5/8 NF x 5-1/4" (2)	4		CLAMP (See your Detroit Engine Dealer) (2)	
	106 267	WASHER, Flat 5/8" (2) to Support		5	184 079 H1	PIPE, Exhaust - L. H.
	18 453 R1	NUT, Esna 5/8" NF-18 (2) to Frame		5	184 080 H1	PIPE, Exhaust - R. H.
	271 587	SCREW, Cap 5/8 NF x 2" (2) Engine to Support		6	127 487 H1,	CLAMPS, Muffler & Pipe (6)
	103 325	WASHER, Lock 5/8" (2) Support		7	176 217 H2	MUFFLER (2)
	200 086 H1	SPACER, Fan End (Engine Support & Frame) (2)		8	184 078 H2	PIPE, Exhaust (2)
3	196 099 H1	BRACKET, Engine Mounting - Flywheel End (2)		HA-1006	DRAIN COCK, Thermostat Housing (2)	
	279 991 R1	SCREW, Cap - Bracket to Engine (8)		103 025	NUT (Bracket to Battery Box) (2)	
	271 637	SCREW, Cap 3/4 NF x 2-3/4" (4) Bracket to Frame		150 178 H1	CLAMP, Hex 5/16" NF	
	18 558 R1	NUT, Esna 3/4" NF-16 (4) to Frame		181 309	SCREW, Cap 1/4 NF x 5/8" (2) Flexible Shaft	
	201 663 H1	BRACKET, Mtg. - Tachometer		103 319	WASHER, Lock 1/4" (2) to Hood	
	181 349	SCREW, Cap 5/16 NF x 2-1/2" (2) Bracket to Battery Box		103 024	NUT, Hex 1/4" NF (2) Hood	
	103 320	WASHER, Lock 5/16" (2) Box		177 904 H1	SPACER, Tachmounting (2)	
	876 686 C1	TACHOMETER				

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STARTING AID (Detroit Diesel)



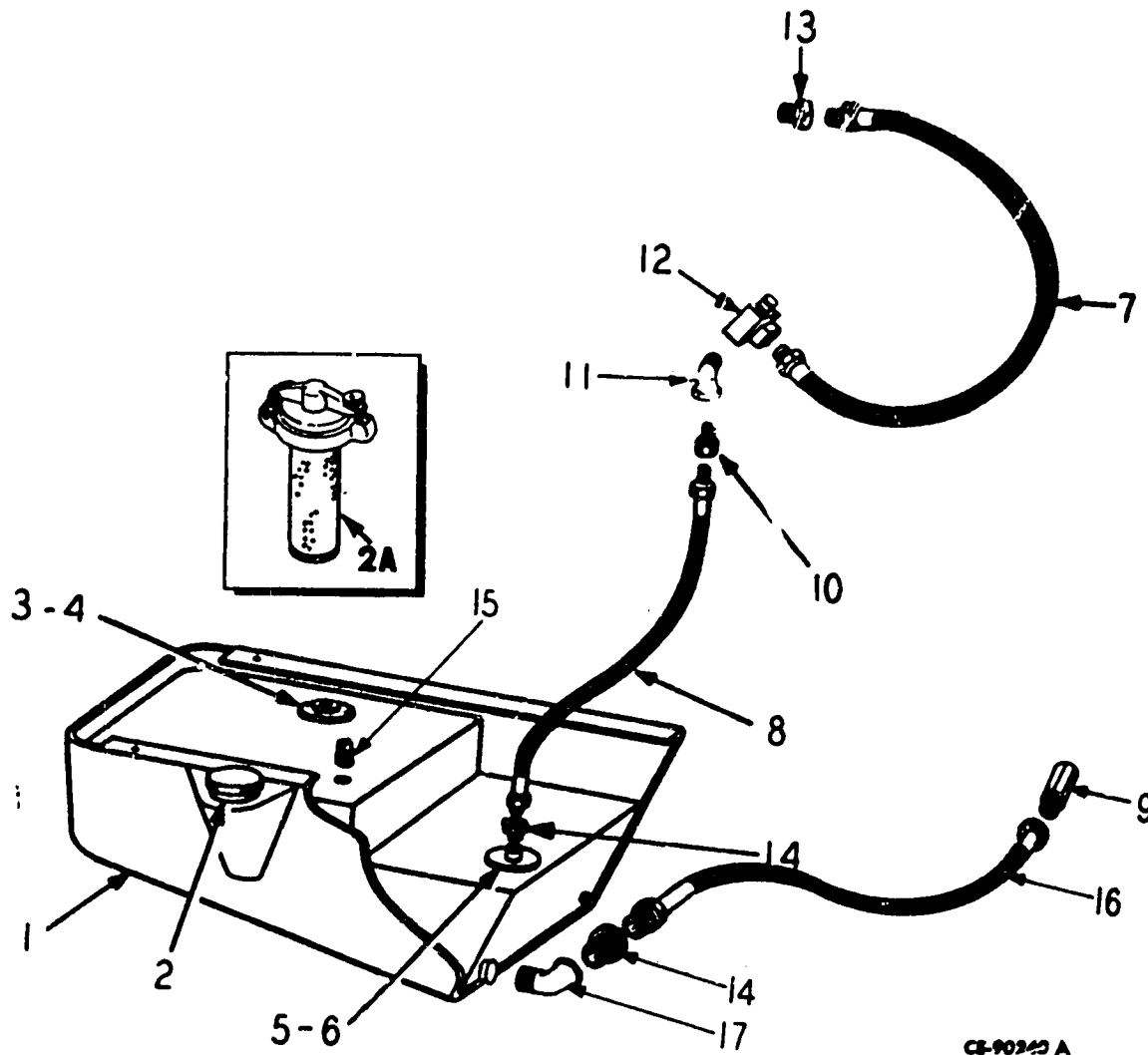
CE-87922

1	195 635 H1	BRACKET, Mounting	3	172 832 H1	ELBOW
	181 360	SCREW, Cap - 3/8 x 3/4" NF (4)	4	197 543 H1	TUBE
	106 263	WASHER, Flat - 3/8" (4)	5	172 832 H1	ELBOW
	103 321	WASHER, Lock - 3/8" (4)	6	122 811 H1	NOZZLE ASSEMBLY, Manifold
2	121 816 H1	PRIMER, Pressure Discharger		127 440 H1	GROMMET, Floorboard

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FUEL TANK & LINES (IHC D-817)
 (Used with Engines Equipped with "R. D." Fuel Injection Pumps (SN 1001 thru 01274 except 01261, 01264, 01271 and 01273))

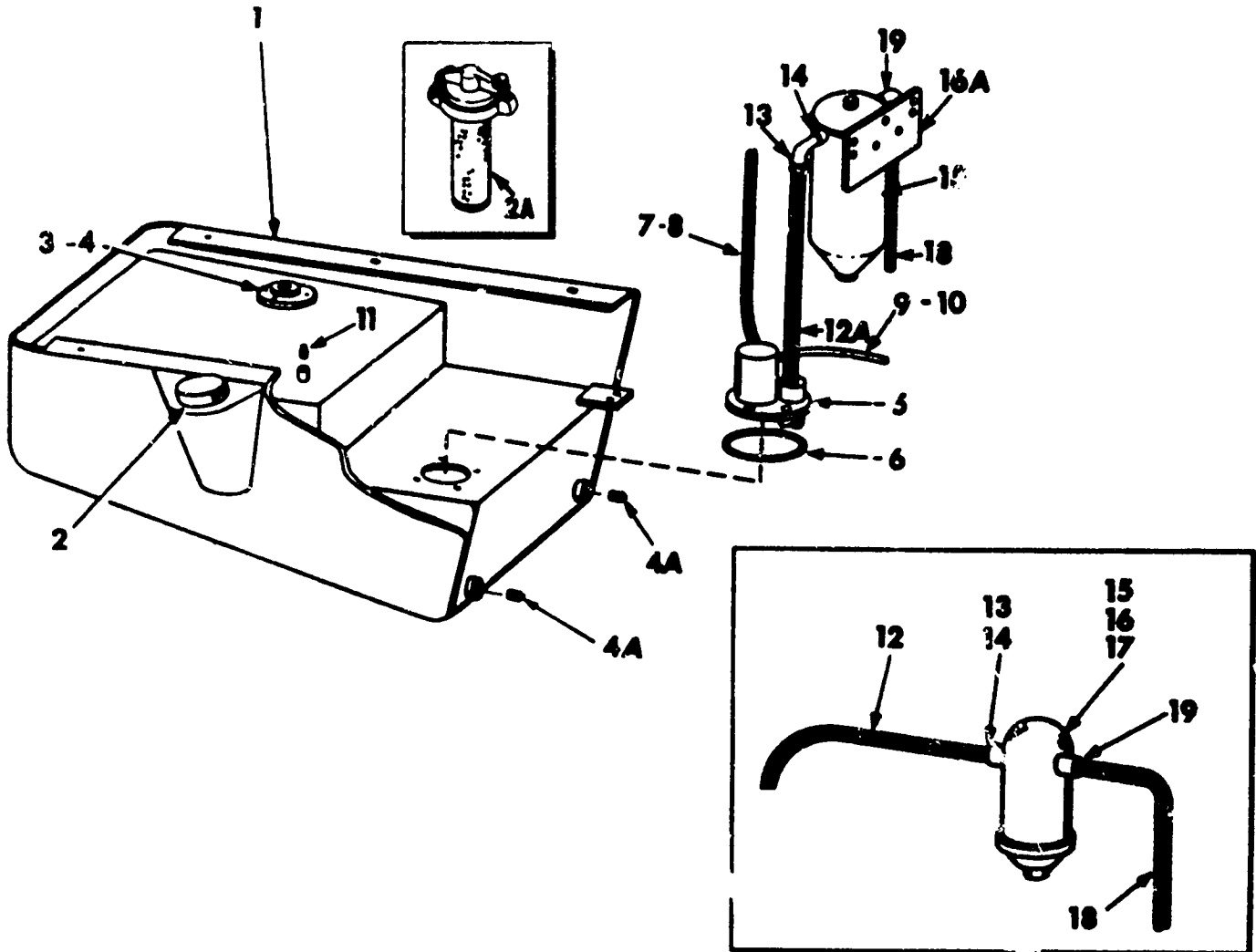


<table border="0"> <tr> <td style="width: 5%;">1</td> <td style="width: 15%;">154 137 H4</td> <td style="width: 40%;">TANK, Fuel, Includes Item 2 also Plug 444 588</td> <td style="width: 5%;"></td> <td style="width: 15%;">7</td> <td style="width: 20%;">163 439 H1</td> <td>HOSE, Adapter to Fuel Filter</td> </tr> <tr> <td>2</td> <td>193 421 H1 271 589</td> <td>CAP, Fuel Tank (Standard) SCREW, Cap 5/8 NF x 2-1/2" (6)</td> <td></td> <td>8</td> <td>163 438 H1</td> <td>HOSE</td> </tr> <tr> <td></td> <td>103 025</td> <td>WASHER, Lock 5/8" (6)</td> <td>Fuel Tank</td> <td>9</td> <td>126 989 H1</td> <td>ELBOW, 90° Swivel</td> </tr> <tr> <td></td> <td>103 030</td> <td>NUT, Hex 5/8" NF (6)</td> <td>Mounting</td> <td>10</td> <td>122 947 H1</td> <td>STRAIGHT ADAPTER, Swivel</td> </tr> <tr> <td></td> <td>106 267</td> <td>WASHER, Flat 5/8" (6)</td> <td></td> <td>11</td> <td>119 113</td> <td>ELBOW, St. 45°</td> </tr> <tr> <td>2A</td> <td>116 493 H1</td> <td>CAP, Fireproof (Optional)</td> <td></td> <td>12</td> <td>124 281 H1</td> <td>TEE</td> </tr> <tr> <td>3</td> <td>201 826 H1</td> <td>FLANGE</td> <td></td> <td>13</td> <td>107 863 H1</td> <td>STRAIGHT ADAPTER, Swivel</td> </tr> <tr> <td>4</td> <td>155 932 H1 181 356</td> <td>GASKET SCREW, Cap 3/8 NF x 3/4" (4)</td> <td>Flange Mounting</td> <td>14</td> <td>144 046 444 588</td> <td>BUSHING, Reducer (2) PLUG, Fuel Tank 1/2" (2)</td> </tr> <tr> <td></td> <td>103 321</td> <td>WASHER, Lock 3/8" (4)</td> <td></td> <td>15</td> <td>445 686</td> <td>PLUG, 3/8"</td> </tr> <tr> <td>5</td> <td>154 131 H2</td> <td>OUTLET, Fuel Tank</td> <td></td> <td>16</td> <td>218 718 H1</td> <td>HOSE, Return</td> </tr> <tr> <td>6</td> <td>304 699 R1 181 360</td> <td>"O" RING, 4-1/2 x 4-3/4 x 1/8" SCREW, Cap 3/8 NF x 3/4" (4)</td> <td>Outlet Mounting</td> <td>17</td> <td>108 686</td> <td>ELBOW, 90°</td> </tr> <tr> <td></td> <td>103 321</td> <td>WASHER, Lock 3/8" (4)</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	1	154 137 H4	TANK, Fuel, Includes Item 2 also Plug 444 588		7	163 439 H1	HOSE, Adapter to Fuel Filter	2	193 421 H1 271 589	CAP, Fuel Tank (Standard) SCREW, Cap 5/8 NF x 2-1/2" (6)		8	163 438 H1	HOSE		103 025	WASHER, Lock 5/8" (6)	Fuel Tank	9	126 989 H1	ELBOW, 90° Swivel		103 030	NUT, Hex 5/8" NF (6)	Mounting	10	122 947 H1	STRAIGHT ADAPTER, Swivel		106 267	WASHER, Flat 5/8" (6)		11	119 113	ELBOW, St. 45°	2A	116 493 H1	CAP, Fireproof (Optional)		12	124 281 H1	TEE	3	201 826 H1	FLANGE		13	107 863 H1	STRAIGHT ADAPTER, Swivel	4	155 932 H1 181 356	GASKET SCREW, Cap 3/8 NF x 3/4" (4)	Flange Mounting	14	144 046 444 588	BUSHING, Reducer (2) PLUG, Fuel Tank 1/2" (2)		103 321	WASHER, Lock 3/8" (4)		15	445 686	PLUG, 3/8"	5	154 131 H2	OUTLET, Fuel Tank		16	218 718 H1	HOSE, Return	6	304 699 R1 181 360	"O" RING, 4-1/2 x 4-3/4 x 1/8" SCREW, Cap 3/8 NF x 3/4" (4)	Outlet Mounting	17	108 686	ELBOW, 90°		103 321	WASHER, Lock 3/8" (4)				
1	154 137 H4	TANK, Fuel, Includes Item 2 also Plug 444 588		7	163 439 H1	HOSE, Adapter to Fuel Filter																																																																														
2	193 421 H1 271 589	CAP, Fuel Tank (Standard) SCREW, Cap 5/8 NF x 2-1/2" (6)		8	163 438 H1	HOSE																																																																														
	103 025	WASHER, Lock 5/8" (6)	Fuel Tank	9	126 989 H1	ELBOW, 90° Swivel																																																																														
	103 030	NUT, Hex 5/8" NF (6)	Mounting	10	122 947 H1	STRAIGHT ADAPTER, Swivel																																																																														
	106 267	WASHER, Flat 5/8" (6)		11	119 113	ELBOW, St. 45°																																																																														
2A	116 493 H1	CAP, Fireproof (Optional)		12	124 281 H1	TEE																																																																														
3	201 826 H1	FLANGE		13	107 863 H1	STRAIGHT ADAPTER, Swivel																																																																														
4	155 932 H1 181 356	GASKET SCREW, Cap 3/8 NF x 3/4" (4)	Flange Mounting	14	144 046 444 588	BUSHING, Reducer (2) PLUG, Fuel Tank 1/2" (2)																																																																														
	103 321	WASHER, Lock 3/8" (4)		15	445 686	PLUG, 3/8"																																																																														
5	154 131 H2	OUTLET, Fuel Tank		16	218 718 H1	HOSE, Return																																																																														
6	304 699 R1 181 360	"O" RING, 4-1/2 x 4-3/4 x 1/8" SCREW, Cap 3/8 NF x 3/4" (4)	Outlet Mounting	17	108 686	ELBOW, 90°																																																																														
	103 321	WASHER, Lock 3/8" (4)																																																																																		

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FUEL TANK & LINES (Cummins)



CS-90086A

1	154 137 H4	TANK, Fuel, Includes Item 2 also Plug 444 588 (2)	10	145 325 H1 105 245	TUBE, Breather CLIP
2	193 421 H1 271 589	CAP, w/Chain (Standard) SCREW, Cap 5/8 NF x 2-1/2" (6)	11	445 686 181 313 103 024 106 261 103 319 120 418 H1	PLUG, Pipe 3/8" SCREW, Cap 1/4 NF x 3/4" NUT, Hex 1/4" NF WASHER, Flat 1/4" WASHER, Lock 1/4" CLAMP
2A	116 493 H1	CAP, Fireproof (Optional)			
3	201 826 H1 181 360 106 263	FLANGE SCREW, Cap 3/8 x 5/8" NF (4) WASHER, Lock (4)			
4	155 932 H1	GASKET			
4A	444 588	PIPE, Plug			
5	188 716 H2	TUBE, Outlet			
6	3 046 999 R1 181 360 106 263	"O" RING, 4-1/2 x 5-3/4 x 1/8" SCREW, Cap 3/8 NF x 3/4" (4) WASHER, Lock 3/8" (4)			
7	178 573 H1	HOSE, Injection Return			
8	139 676 H1	ADAPTER			
9	HS-972	CONNECTOR			
					LINE, FUEL-TANK TO FILTER
			12	199 526 H1	HOSE ASSEMBLY 1001 thru 01379
			12A	186 536 H1	HOSE ASSEMBLY 01380 & up
			13	9 410 978	ELBOW, 90° Adjust JIC
			14	364 885 R1	"O" RING
			15		FILTER, Fuel (Cummins No. 151 940, See Cummins Engine Manual)

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FUEL TANK & LINES (Cummins) - Continued

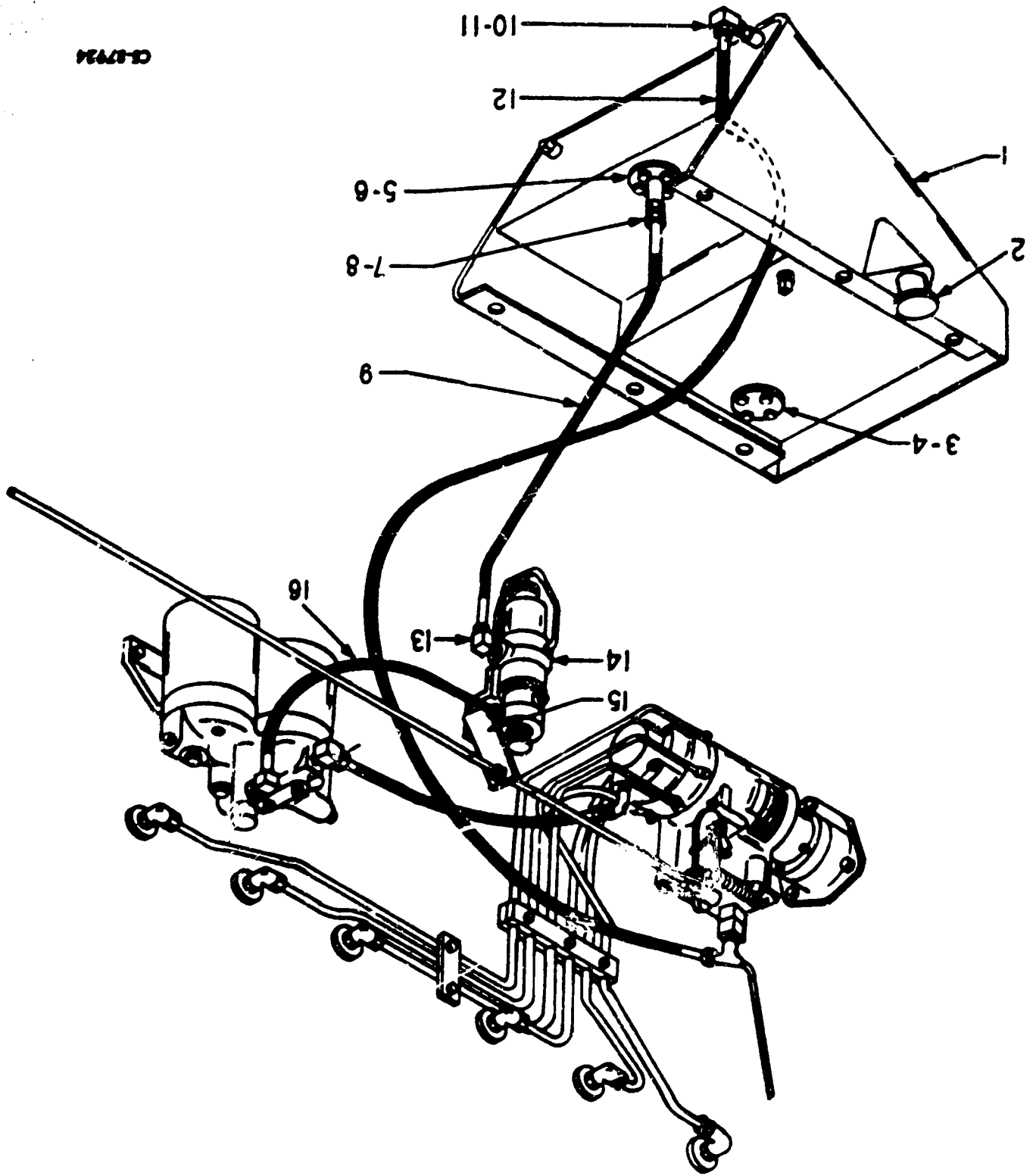
16	211 998 H1	SUPPORT, Cable and Filter (Order BAR, 883 045 C1, BRACKET, 877 559 C1, HOSE, 186 536 H1, and HOSE 167 957 H1) 01001 thru 01379			
16A	883 045 C1	BAR, Fuel Filter 01380 & up			
	181 465	BOLT, 9/16NF x 3-1/2" (4) *	}	}	}
	103 324	WASHER, Lock 9/16" (4) *	}	}	} Bracket to Engine
	475 988 R1	SPACER (4) *	}	}	}
17	140 531 H1 181 379	BOSS, Spacer # BOLT, 3/8NF x 2-1/4" #	}	}	}
	103 321	WASHER, Lock 3/8" #	}	}	} Mounting to
	181 403	BOLT, 7/16NF x 1-3/4" #	}	}	} Engine

LINE, FUEL-FILTER TO FUEL PUMP

18	199 627 H1	HOSE 01001 thru 01379			
18	167 957 H1	HOSE 01380 & up			
	20 410 256 9 410 256	CONNECTOR, Straight ELBOW, 45°			
19	364 885 R1	"O" RING			

* - 01380 & up
- 01001 thru 01379

CR-7724



FUEL TANK IHC D-817
 (With Roosa-Master Pump)
 (SN 1261, 01264, 01271, 01273, 01275 & up)

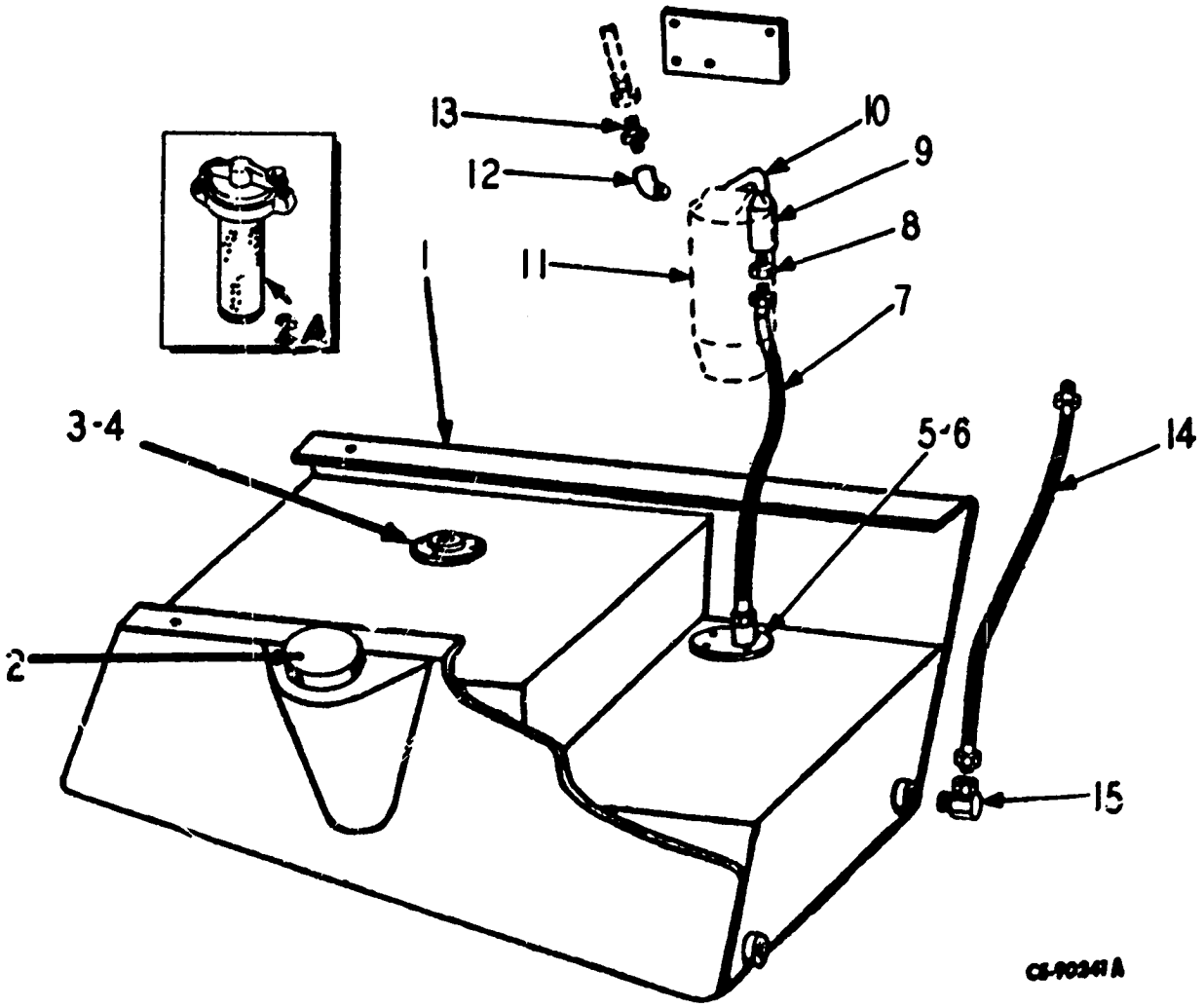
ENGINE

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FUEL TANK, HC D-817 - Continued					
(With Roosa-Master Pump)					
(SN 01261, 01264, 01271, 01273, 01275 & up)					
1	154 137 H4	TANK, Fuel (Includes Item 2 also Plug 444 588)	9	196 530 H1	HOSE, Supply
	444 588	PIPE, Plug 1/2"	10	144 046	BUSHING
	271 589	SCREW, Cap 5/8 x) Tank 2-1/2" NF (6)) Mount-	11	8 5 161 C1	ADAPTER, 90° - JIC x Pipe
	18 453 R1	NUT, Easa 5/8"-18NF (6)) ing	12	200 332 H1 120 418 H1	HOSE, Return CLAMP
2	193 421 H1	CAP (Standard)	13	9 402 864	ADAPTER, 90° - JIC x Pipe
2	116 493 H1	CAP, Fireproof (Optional)	14		PUMP, Auxiliary Fuel (See Fuel Pump in this Section)
3	201 826 H1	FLANGE	15	8 5 178 C1	BRACKET
	181 356	SCREW, Cap 3/8 x) 5/8" NF (4))		179 839	SCREW, Cap 3/8 x 1" NC (2)
	103 321	WASHER, Lock 3/8" (4)) Flange Mounting		151 450 H1	WASHER TOOTH (2)
4	155 932 H1	GASKET)		179 817	SCREW, Cap 5/16 x 7/8" NC (2)
5	154 131 H2	OUTLET		015 031 R1	WASHER, Flat 5/16" (2)
	181 360	SCREW, Cap 3/8 x) 3/4" NF (4))		19 277 R1	NUT, Easa 5/16"-18 NC (2)
	103 321	WASHER, Lock 3/8" (4)) Outlet Mounting		115 548	WASHER, Lock 5/16" (2)
6	304 699 R1	"O" RING, 4-1/2 x) 4-3/4 x 1/8")	16	177 581 H1	HOSE, Supply
7	144 046	BUSHING	17	876 165 C1	ADAPTER, 90° - JIC x Pipe
8	876 165 C1	ADAPTER, JIC x Pipe			

ENGINE

FUEL TANK (Detroit Diesel 6V-71N)

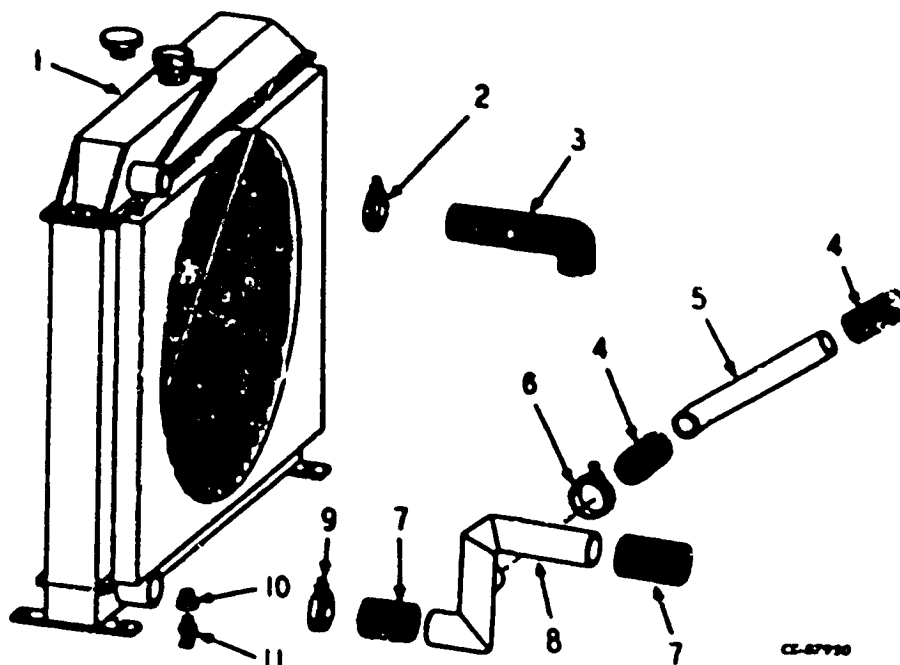


ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION	
FUEL TANK (Detroit Diesel (V-71N) - Continued)						
1	154 137 H5	TANK, Fuel (Includes Item 2 also Plug 444 588)	11		STRAINER, Fuel (See your Detroit Diesel Engine Dealer)	
	S-11020	SCREW, Cap (6)) Fuel	184 238 H1		BRACKET, Fuel Strainer	
	18 453 R1	NUT, Hex 5/8" NF-18 (6)) Tank	181 364		SCREW, Cap 3/8 NF x 1" (2)) Strainer to	
	106 267	WASHER, Flat 5/8" (6)) Mounting	103 321		WASHER, Lock 3/8" (2)) Bracket	
2	193 421 H1	CAP, Tank (Standard)	103 026		NUT, Hex 3/8" (2))	
2A	116 493 H1	CAP, Fireproof (Optional)	179 890		SCREW, Cap 1/2 NC x 2-1/4" - Bracket to Engine (2)	
3	201 826 H1	FLANGE, Sender Unit		12	119 113	ELBOW, 45°
	181 356	SCREW, Cap 3/8 NF x 5/8" (4)) Flange		13	151 207 H1	NIPPLE
	103 321	WASHER, Lock 3/8" (4)) Mounting				
4	155 932 H1	GASKET				
5	154 131 H2	OUTLET, Fuel Tank				
LINE-FUEL RETURN TO TANK						
6	3 046 999 R1	"O" RING, 4-1/2 x 4-3/4 x 1/8"	14	195 916 H1	HOSE ASSEMBLY	
	181 360	SCREW, Cap 3/8 NF x 3/4" (4)) Outlet	15	387 297 R1	UNION, Adapter, 90°	
	103 321	WASHER, Lock 3/8" (4)) Mounting		132 159 H1	CLAMP, Hose	
LINE-FUEL TANK TO STRAINER						
7	188 750 H1	HOSE ASSEMBLY		444 588	PLUG, Pipe 1/2" - Fuel Tank	
8	122 947 H1	ADAPTER, Reducer		150 178 H1	CLAMP, Hose	
9	184 824 H1	VALVE, Check		181 360	SCREW, Cap 3/8 NF x 3/4")	
10	117 383 H1	ELBOW, 90°		110 730	WASHER, Lock 3/8")	
				103 026	NUT, Hex 3/8" NF) Clamp	
				181 309	SCREW, Cap 1/4 NF x 1/2") to Tank	
				113 114	WASHER, Lock 1/4")	
				109 984	NUT, Hex 1/4" NC)	

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR (IHC, D-917)



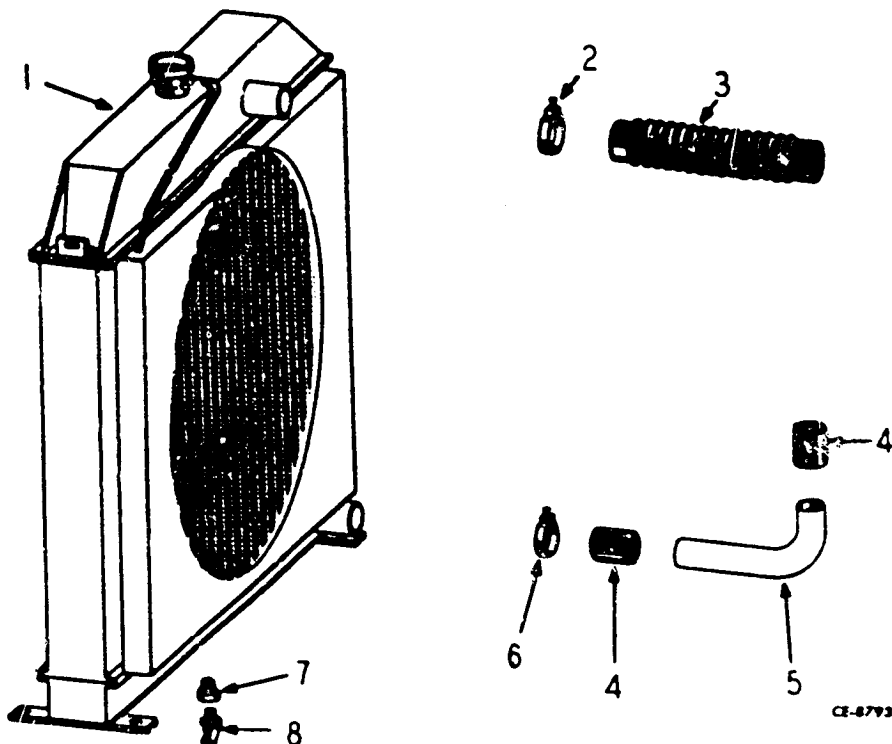
CL-87990

1	200 223 H2	RADIATOR. Includes Item 2 & items marked *	271 583	SCREW, Cap 5/8 x 1-1/2" NF (4)) Radiator
•	194 262 HI	SCREW (8)	18 453 RI	NUT, Eeca 5/8 x 18" NF (4)	) to Frame
•	201 868 HI	SCREW, Ss: (2)	10A 267	WASHER, Flat 5/8" (4))
•	202 047 HI	TOP TANK ASSEMBLY	2	122 323 R91	CLAMP, Hose
•	202 090 HI	BOTTOM TANK ASSEMBLY	3	188 013 HI	HOSE, Upper Radiator
•	202 091 HI	SIDE ASSEMBLY (2)	4	128 316 HI	HOSE (2)
•	208 853 HI	SHROUD ASSEMBLY	5	187 998 HI	TUBE, Radiator By-Pass
•	202 096 HI	CORE ASSEMBLY	6	168 813 HI	CLAMP
•	202 101 HI	WASHER, Core (4)	7	164 273 HI	HOSE (2)
•	202 102 HI	TUBE, Overflow	8	188 503 HI	TUBE, Radiator to Engine
•	202 103 HI	CLIP, Overflow (2)	9	309 693 K91	CLAMP (4)
•	202 105 HI	BRACKET, Top (2)	10	144 049	BUSHING, Reducer
•	194 253 HI	CLIP, Shroud (6)	11	153 490 HI	DRAIN, Cock (2)
•	102 634	NUT, 5/16" NF (76)			
•	114 503	NUT, Jam 3/8" NC (2)			
•	179 817	BOLT, 5/16 NC x 7/8" (58)			
•	179 819	BOLT, 5/16 NC x 1-1/8" (20)			
•	103 320	WASHER, Lock 5/16" (88)			
•	106 267	SPACER, Between Radiator & Frame 5/16" (4)			
•	615 031 RI	WASHER, Flat 5/16" (6)			
•	13 829 RI	GASKET, Core (5)			
•	202 106 HI	PLUG, Plastic			
•	HA-1274	CAP, Radiator			
•	181 340	SCREW, Cap 5/16 x 1-1/8" NF (2)			) Radiator
•	10 503 RI	NUT, Eeca 5/16 NF x 24" (2)			) to Hood
•	615 031 RI	WASHER, Flat 5/16" (2))

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR (Cummins)



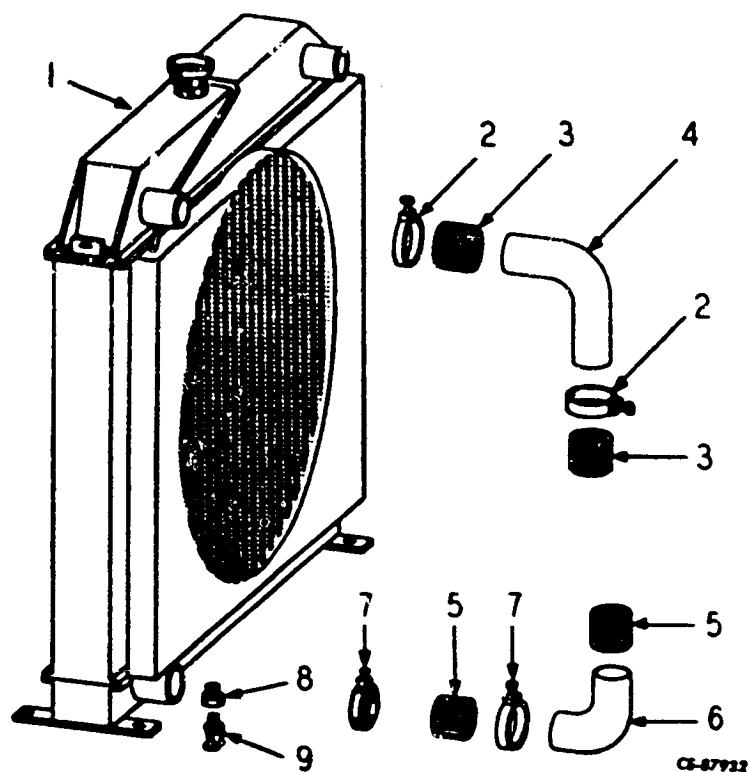
CE-67931

1	200 225 H1	RADIATOR, Includes Items marked # SN 1001 thru 1061 (Order 200 226 H2)	181	340	SCREW, Cap 5/16 NF x 1-1/8 (2)) Radiator
1	200 226 H2	RADIATOR, Includes Items marked * SN 1062 & up	19	503 R1	NUT, Esna 5/16 NF x 24" (2)) to Hood
**2	HA-1274	CAP, Radiator	615	031 R1	WASHER, Flat 5/16" (2))
**	194 262 H1	SCREW (8)	271	583	SCREW, Cap 5/8 NF x 1-1/2" (4)) Radiator
**	201 868 H1	SCREW, Set (2)	18	453 R1	NUT, Esna 5/8 NF x 18" (4)) to Frame
**	202 088 H1	TOP TANK ASSEMBLY	3	192 034 H1	HOSE, Upper Radiator
**	202 091 H1	BOTTOM TANK ASSEMBLY	4	157 326 H1	HOSE, Lower Radiator
*	202 093 H1	SIDE ASSEMBLY (2)	4	128 316 H1	HOSE
*	202 094 H1	SIDE ASSEMBLY (2)	5	113 584 H1	ELBOW
**	208 877 H1	SHROUD ASSEMBLY	6	122 322 R91	CLAMP, Hose (4)
*	202 098 H1	CORE ASSEMBLY	7	144 049	BUSHING, Reducer
*	202 097 H1	CORE ASSEMBLY	8	153 490 H1	COCK, Drain
**	202 101 H1	WASHER, Core (4)		106 267	SPACER, Between Radiator & Frame (4)
**	202 102 H1	TUBE, Overflow			
**	202 103 H1	CLIP, Overflow (2)			
**	202 105 H1	BRACKET, Top (2)			
**	102 634	NUT, 5/16" NF (76)			
**	114 503	NUT, Jam 3/8" NC (2)			
**	179 817	BOLT, 5/16 NC x 7/8" (68)			
**	179 819	BOLT, 5/16 NC x 1-1/8" (20)			
**	103 320	WASHER, Lock 5/16" (88)			
*	202 106 H1	PLUG, Plastic			

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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RADIATOR (Detroit Diesel 6V-71N)

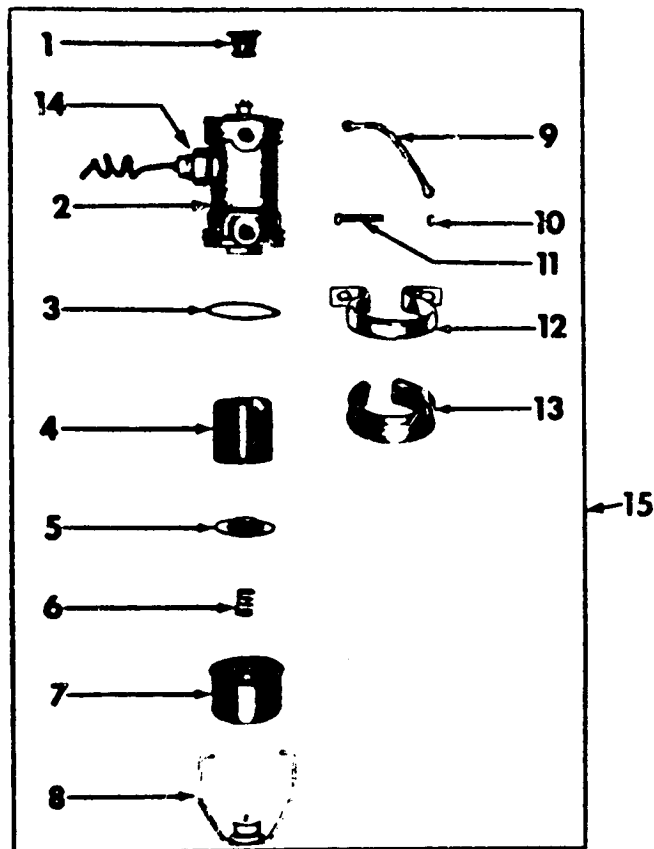


1	200 227 H1	RADIATOR, Includes Items marked # SN 1001 thru 01061 (Order 200 228 H3)	**	114 503	NUT, Jam 3/8" NC (2)
			**	179 817	BOLT, 5/16 NC x 7/8" (68)
1	200 228 H3	RADIATOR, Includes Items marked * SN 01062 & up	**	179 819	BOLT, 5/16 NC x 1-1/8" (20)
	181 340	SCREW, Cap 5/16 NF x 1-1/8" (2)	**	103 320	WASHER, Lock 5/16" (88)
	19 503 R1	NUT (2)	*	218 703 H1	BRACKET, Top - R.H.
	615 031 R1	WASHER, Flat (2)	*	218 717 H1	BRACKET, Top - L.H.
			*	169 074 H1	GASKET, Core (5)
	271 583	SCREW, Cap 5/8 NF x 1-1/2" (4)	#	202 105 H1	BRACKET, Top
			#	202 106 H1	PLUG, Plastic
			**	HA-1274	CAP, Radiator
	19 457 R1	NUT, Esna 5/8" NF-18 (4)	2	279 028 R91	CLAMP, Upper (8)
**	194 262 H1	SCREW (8)	3	120 584 H1	HOSE, Upper (4)
**	201 868 H1	SCREW, Set (2)	4	184 276 H1	TUBE, Upper (2)
**	202 089 H1	TOP TANK ASSEMBLY	5	184 278 H1	HOSE, Lower (2)
*	218 701 H1	BOTTOM TANK ASSEMBLY	6	184 277 H1	TUBE, Lower (2)
*	202 092 H1	BOTTOM TANK ASSEMBLY	7	279 029 H1	CLAMP, Lower (4)
**	202 093 H1	SIDE ASSEMBLY (2)	8	144 049	BUSHING, Reducer
*	208 083 H1	SHROUD ASSEMBLY	9	153 490 H1	COCK, Drain
*	218 702 H1	SHROUD ASSEMBLY			
*	202 099 H1	CORE ASSEMBLY			
*	202 100 H1	CORE ASSEMBLY			
**	202 101 H1	WASHER, Core (4)			
**	202 102 H1	TUBE, Overflow			
**	202 103 H1	CLIP, Overflow (2)			
**	102 634	NUT, 5/16" NF (76)			

ENGINE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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FUEL PUMP (Auxiliary)
 (SN 01261, 01264, 01271, 01273 and up)
 (Used with Roosa-Master Fuel Pump)



IPA-60099A

1	313 602 R1	PULSE, Chamber	8	206 087 H1	BAIL ASSEMBLY
2		BODY (Order 204 944 H1 Pump)	9	186 819 H1	GROUND LEAD
3	888 723 C1	GASKET	10	109 084	NUT, Hex 1/4" NC
4	313 606 R1	FILTER	11	179 801	SCREW, Cap 1/4 x 1-1/2" NC
5	313 607 R1	BASE	12	206 086 H1	BRACKET, Mounting
6	313 608 R1	SPRING	13	186 803 H1	SHOCK PAD
7	313 605 R1	BOWL	14		WIRE NUT & SWITCH ASSY (Order PUMP 204 944 H2)
			15	204 994 H2	PUMP, Fuel-Complete

SECTION 3

TORQUE CONVERTER

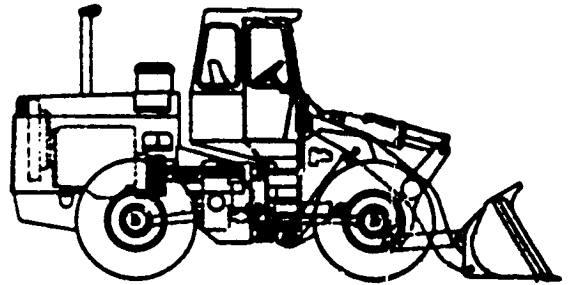


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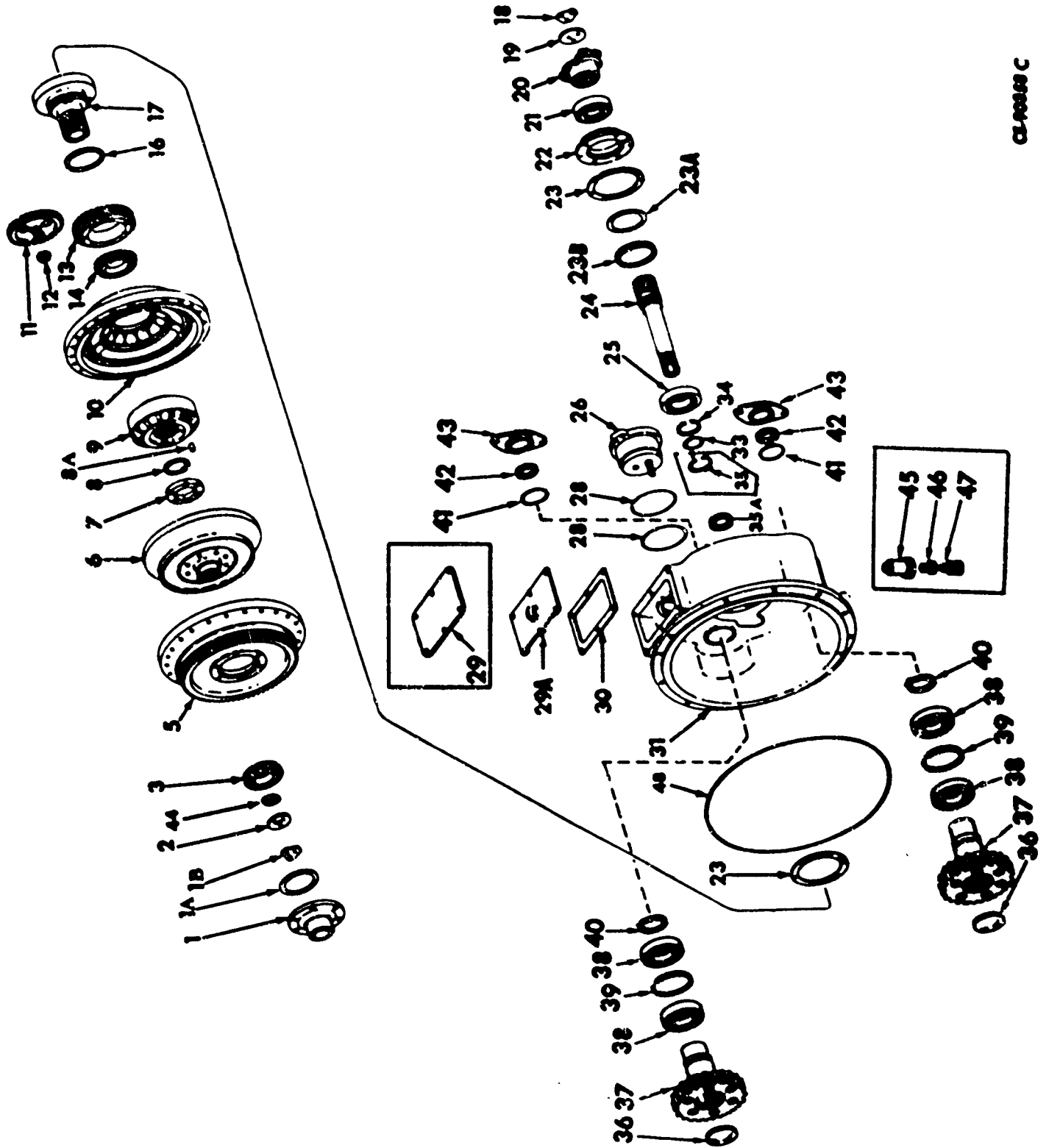
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TORQUE CONVERTER ASSEMBLY 3-3

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TORQUE CONVERTER

TORQUE CONVERTER ASSEMBLY



CE-10088 C

TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER ASSEMBLY - Continued					
	198 819 H1	TORQUE CONVERTER (D-3071200-6) (Order 198 819 H1)	23A	199 351 H2	SHIM, (.010) (AR)
	198 819 H2	TORQUE CONVERTER (D-31009500-5) (Order 198 819 H1)	23A	199 352 H2	SHIM, (.020) (AR)
	198 819 H3	TORQUE CONVERTER (312980000-6)	23B	197 975 H1	SPACER
1	199 349 H1	HUB, Input Drive Shaft	24	889 614 C1	SHAFT (Together with SPACER 889 615 C1 will work for SHAFT 210 859 H1)
	179 838	BOLT, Hex Hd. 3/8"-16 x .75 (6)			
	103 321	WASHER, Lock 3/8" (6)	25	5T-265	BEARING, Ball
1A	210 845 H1	SHIM, (.005") (AR)	26	601 612 C91	PUMP, Hydraulic (20 GPM) (*)
1A	210 846 H1	SHIM, (.010") (AR)		103 321	WASHER, Lock 3/8" (*) (2)
1A	210 847 H1	SHIM, (.020") (AR)		179 842	BOLT, Hex Head 3/8"-16 x 1.38 (*) (2)
1B	210 876 H1	PLATE, Locking (*)	28	393 120 R1	SEAL, "O" Ring (%) (*) (2)
	210 878 H1	BOLT, Hex Head 5/16"-18 x .75 (3)	29	199 332 H1	COVER, (Not used when Converter is updated) See Section 10 SN 1001 thru 01284 except 01264
2	199 346 H1	WASHER, Flange	29A	878 296 C1	COVER, Housing Converter SN 01285 and up also 01264
3	116 598 H1	BEARING, Ball		179 838	BOLT, 3/8"-16 x .75 (6)
5	199 345 H2	HOUSING, Drive Converter		103 321	WASHER, Lock 3/8" (6)
6	199 344 H3	TURBINE	30	199 295 H1	GASKET, Cover (%) (*)
7	324 085 R2	SPACER, Converter	31	199 328 H1	HOUSING, Converter
8	641 207 R1	SNAPRING, Internal		156 599 H1	BOLT (24)
6A	17 132 R1	PIN, Spring	33	156 283 H1	RING, Piston Hook Type (*)
9	336 772 R92	STRATOR, w/Pin, 17 132 R1 and King, 641 207 R1	34	199 336 H1	RING, Snap
10	199 353 H1	IMPELLER (Used on Torque Con- verter, 198 819 H1) (Order Kit 882 322 C9.)	35	204 744 H1	RING, External Snap (Used with TORQUE CONVERTERS 198 819 H1 and H2)
10	875 575 C1	IMPELLER (*)	35A	889 615 C1	SPACER (Used with SHAFT 889 614 C1)
11	199 331 H1	GEAR, (30T) (*)	36	217 794 H1	PLUG, Expansion (2)
12	19 263 R1	NUF, Hex Flexlock (*)	37	882 193 C1	GEAR, Spur (39T) (2)
13	199 339 H1	GEAR, (Used with Torque Converter, 198 819 H1) (Order Kit 882 322 C91)	38	114 527 H1	BEARING, Ball (4)
13	875 574 C1	GEAR, (40T) (*)	39	197 971 H1	SNAPRING, Internal (2)
	199 340 H1	SCREW, Cap (Used with Gear 199 339 H1) (7)	40	199 399 H1	SNAPRING, External (2)
	19 739 R1	SCREW, Cap 7/16"-20 x 1-1/4" (*) (7)	41	22 414 R1	SEAL, "O" Ring (%) (2)
14	606 608 C91	BEARING, Ball	42	199 294 H1	SEAL, Oil (%) (2)
16	156 252 H2	RING, Seal (*) (%)	43	199 334 H1	ADAPTER, Drive Acc. (2)
17	199 329 H1	HUB, Sleeve Ground	44	210 877 H1	SHIM
18	324 071 R2	PLATE, Locking	45	150 269 H1	BREAKER, Vacuum
	210 878 H1	BOLT, Hex Head (3)	46	141 539	REDUCER
19	199 337 H1	WASHER, Retainer	47	152 127 H1	BREATHER
20	197 976 H1	YOKE, Joint	48	174 901 H1	"O" RING, (%) (Not furnished as part of Torque Converter assembly)
21	197 974 H1	SEAL, Oil		144 147	ADAPTER, Pipe
22	197 977 H1	RETAINER, Bearing		194 899 H1	RING, Drive
	156 595 H1	BOLT, Hex Head 3/8"-16 x 1.875 (6)		179 481	SCREW, Cap 3/8 NC x) Drive 1-1/4" (5)) Ring to
	103 321	WASHER, Lock 3/8" (6)		103 321	WASHER, Lock 3/8" (8)) Flywheel
23	199 275 H1	GASKET (%) (2)		179 860	SCREW, Cap 7/16 NC x) Converter 1-1/4" (12)
23A	199 348 H2	SHIM, (.005) (AR)		103 322	WASHER, Lock 7/16" (12)) Housing

(*) - Also part of Kit 882 322 C91

(%) - Also part of Kit 192 685 H1

(%) - Also part of Kit 199 296 H1

C-8

TORQUE CONVERTER

REF. NO.	PART NUMBER	DESCRIPTION
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TORQUE CONVERTER ASSEMBLY - Continued

MEMORANDA

192 685 H1	KIT, Pump & Gear (Consists of -	
	1 GASKET	199 295 H1
	1 GEAR	199 331 H1
	1 NUT	19 263 R1
	2 "O" RING	393 120 R1
	1 PUMP ASSY.	601 632 C91
	6 SCREW, Cap	179 842
	6 WASHER, Lock	103 321)
199 296 H1	KIT, Gasket, Seal and "O" ring (Consists of -	
	2 GASKET	199 275 H1
	1 GASKET	199 295 H1
	1 "O" RING	194 901 H1
	2 "O" RING	393 120 R1
	1 SEAL, Oil	156 602 H2
	2 SEAL, Oil	199 294 H1
	2 "O" RING	22 414 R1)
882 322 C91	KIT, Drive Gear Impeller (Updated Torque Converter 198 819 H1 to 198 819 H2) (Consists of -	
	1 BOLT	19 739 R1
	1 GEAR	875 574 C1
	1 IMPELLER	875 575 C1
	1 PLATE, Lock	210 876 H1
	1 SEALRING	156 252 H2
	1 SEALRING	156 283 H1)

SECTION 4

TRANSMISSION

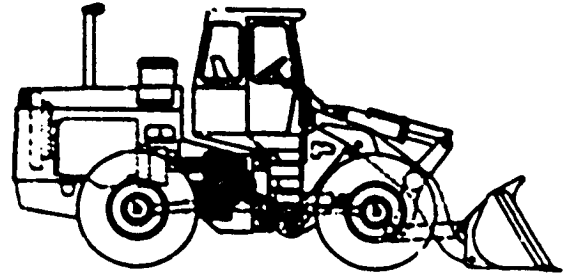


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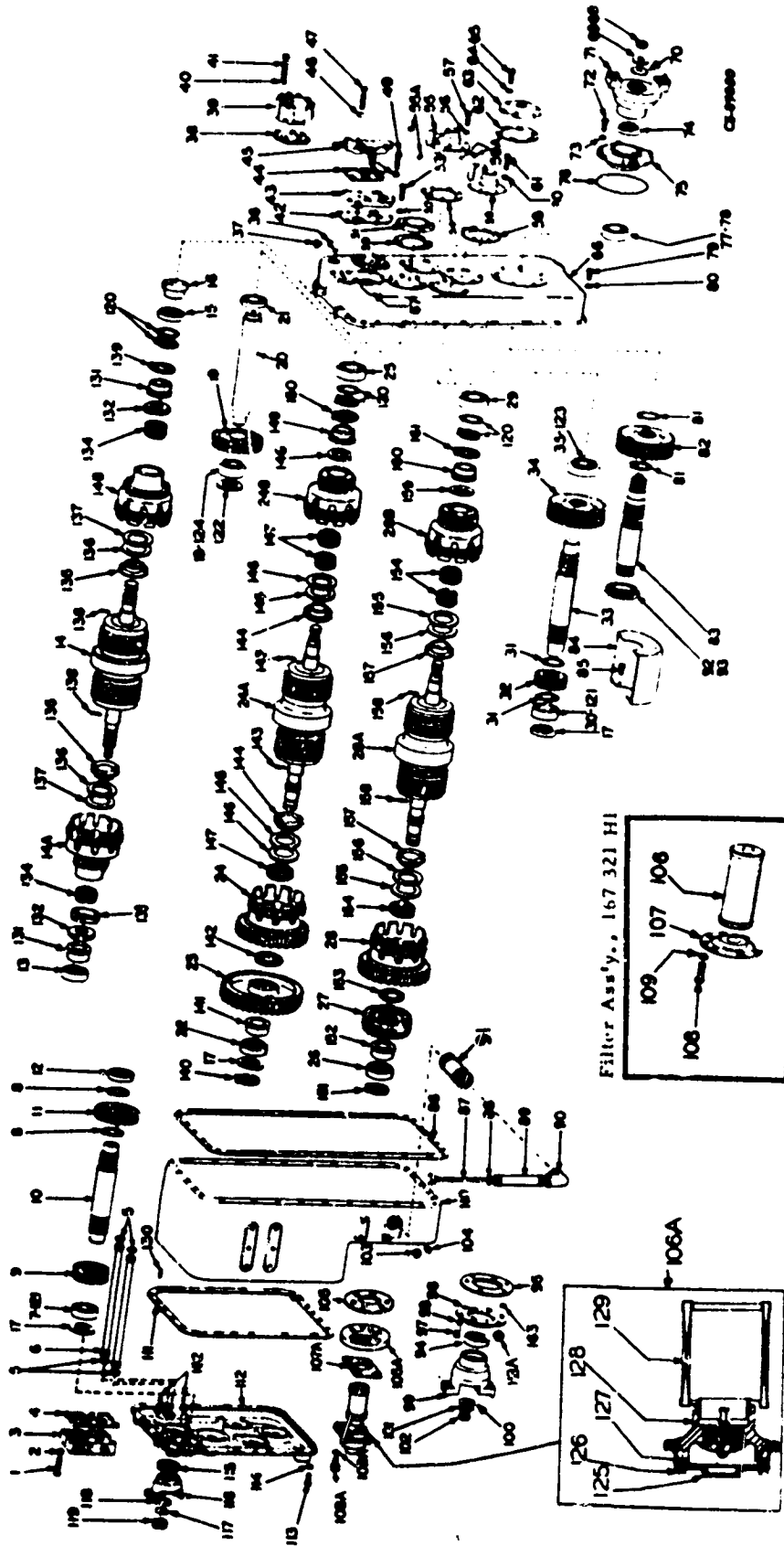
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NEUTRAL KNOCKDOWN VALVE	4-12
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4-1

TRANSMISSION

TRANSMISSION (P-1201) (P-1202)



C-12

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION (P-1201) (P-1202) - Continued					
	194 290 H1	TRANSMISSION, (P-1201) (Order 888 593 C91) 1001 thru 01122	20	174 343 H1	SHAFT, Main Idler
	210 801 H1	TRANSMISSION, (P-1201) (Order 888 593 C91) 01123 thru 01276	21	ST-265	BEARING, Ball, Main Idler
	875 495 C91	TRANSMISSION (P-1202) (Order 888 593 C91) 01277 & up	22	165 635 H1	BEARING
	888 593 C91	TRANSMISSION (P-1202) (Service Transmission)	23	174 370 H1	GEAR, 58 T (Used w/Transmission 875 495 C91)
1	179 851	SCREW, Cap 3/8 NC x 3" (11)	23	888 503 C1	GEAR, 38 T (Used w/Transmission 888 593 C91)
2	103 321	WASHER, Lock 3/8" (11)	24	176 363 H1	GEAR, (Order Gear 210 806 H1, Bearing 210 812 H1, and Roll Pin 153 336 H1) (Used with Transmission 194 290 H1)
3		VALVE, Main Regulator } See Main	24	210 806 H1	GEAR (55 T)
4		GASKET } Valve in this Section	24A		CLUTCH ASSEMBLY, 1st & 3rd (See Clutch Packs 1st & 3rd, 2nd & 4th in this Section)
5	254 954 R1	"O" RING, 1-1/16 x 1-5/16 x 7/8" (+) (%) (4)	24B	176 364 H1	GEAR, (Order Gear 210 807 H1, Bearing 210 812 H1, and Roll Pin 153 336 H1) (Used with Transmission 194 290 H1)
6	191 121 H1	TUBE, Oil Transfer (2)	24B	210 807 H1	GEAR, 29 T (Used w/Transmission 875 495 C91)
7	165 635 H1	BEARING, Roller	24B	888 556 C1	GEAR (Used w/Transmission 888 593 C1)
8	684 645 R1	RING, Snap (2)	25	291 841 R91	BEARING
9	174 341 H1	GEAR, 29 T (Used w/Transmission 875 495 C91)	26	174 336 H1	BEARING
9	888 505 C1	GEAR, 19 T (Used w/Transmission 888 593 C91)	27	174 375 H1	GEAR, 32 T (Used w/Transmission 875 495 C91)
10	174 337 H1	SHAFT, Rev. Idler	27	888 504 C1	GEAR (Used w/Transmission 888 593 C91)
11	174 339 H1	GEAR, 39 T	28	176 363 H1	GEAR, (Order Gear 210 806 H1, Bearing 210 812 H1, and Roll Pin 153 336 H1) (Used with Transmission 194 290 H1)
12	174 334 H1	BEARING, Ball, Rev. Idler	28	210 806 H1	GEAR (55 T)
13	165 635 H1	BEARING, Roller	28A		PACK, Basic Clutch (See Basic Clutch Pack 1st & 3rd, 2nd & 4th gears in this Section)
14		CLUTCH ASSEMBLY, Forward & Reverse (See Clutch Pack Forward & Reverse in this Section)	28B	176 364 H1	GEAR, (Order Gear 210 807 H1, Bearing 210 812 H1, and Roll Pin 153 336 H1) (Used with Transmission 194 290 H1)
14A	176 355 H1	GEAR, (Order Gear 210 804 H1, Bearing 210 812 H1, Roll Pin 153 336 H1 and Spacer 212 287 H1) (Used with Transmission 194 290 H1)	28B	210 807 H1	GEAR (Used w/Transmission 875 495 C91)
14A	210 804 H1	GEAR (Used w/Transmission 875 495 C91)	28B	888 556 C1	GEAR (Used w/Transmission 888 593 C91)
14A	888 557 C1	GEAR (Used w/Transmission 888 593 C91)	29	174 333 H1	BEARING
14B	176 357 H1	GEAR, (Order Gear 210 805 H1, Bearing 210 812 H1, and Roll Pin 153 336 H1) (Used with Transmission 194 290 H1)	30	165 635 H1	BEARING
14B	210 805 H1	GEAR (39 T)	31	324 738 R1	SNAP RING (2)
15	165 635 H1	BEARING, Roller	32	174 379 H1	GEAR, 26 T
16	174 389 H1	GLAND, Forward & Reverse Oil Supply	33	174 377 H1	SHAFT, Lower Counter
17	174 319 H1	SPACER, Brg., Outer Race (4)	34	174 381 H1	GEAR, 32 T (Used w/Transmission 875 495 C91)
18	291 841 R91	BEARING, Race & Rollers	34	888 509 C1	GEAR, 34 T (Used w/Transmission 888 593 C91)
19	174 345 H1	GEAR, 46 T, Main Idler (Used w/Transmission 875 495 C91)			
19	888 506 C1	GEAR, 29 T (Used w/Transmission 888 593 C91)			

(+) - Also part of Kit 875 493 C91

(%) - Also part of Kit 895 571 H1

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION (P-1201) (P-1202) - Continued					
35	174 332 H1	BEARING	66	174 321 H2	COVER, Main Housing - Rear
36	120 063	ELBOW, St., 90° x 3/8" - Breather Mounting	67	174 329 H1 123 250 H1	PLATE, Name SCREW, Drive (2)
37	131 586 H1	BREATHER	68	215 617 R1	NUT
38		GASKET, Range Selector) See Valve	69	194 293 H1	RETAINER, Yoke
39		VALVE, Range Selector) Range in this Section	70	194 294 H1	GASKET (*)
40	103 320	WASHER, Lock 5/16" (8)) Range	71	194 288 H1	YOKE
41	179 830	SCREW, Cap 5/16 NC x 3" (8)) Valve Mounting	72	178 839	SCREW, Cap 3/8 NC x 1" (8)
42		GASKET) See Neutral	73	106 261	WASHER, Lock 1/4" (8)
43		VALVE, Neutral Knockdown) Valve in this Section	74	194 292 H1	SEAL, Oil (#)
44		GASKET) See Forward & Reverse	75	194 282 H1	RETAINER, Bearing (Used with Transmission 210 801 H1)
45		VALVE, Fwd. & Rev.) Valve in this Section	75	875 479 C1	RETAINER, Bearing (Used with Transmission 875 495 C91)
46	103 321	WASHER, Lock 3/8" (6)) Directional Control Valve	76	22 417 R1	"O" RING, 6-3/4 x 7 x 1/4" (+) (%)
47	179 851	SCREW, Cap 3/8 x 3" NC (6)) Mounting	77	174 333 H1	BEARING, Outer Race (Used with Transmission 210 801 H1)
48	103 321	WASHER, Lock 3/8" (3)) Neutral Break-down Valve	77	104 577 H1	CUP, Bearing (Used with Transmission 875 495 C91)
49	179 840	SCREW, Cap 3/8" (3)) Mounting	78	174 346 H1	BEARING, Inner Race (Used with Transmission 210 801 H1)
50	156 357 H1	GASKET, Main Idler Cap (*)	78	875 453 C91	CONE, (Used with Transmission 875 495 C91)
51	156 375 H1	CAP, Idler Brg. Retaining	79	179 841	SCREW, Cap 3/8 NC x 1-1/2" (29)) Cover to Housing
52	103 321	WASHER, Lock 3/8" (6)) Main Idler	80	103 321	WASHER, Lock 3/8" (29))
53	179 840	SCREW, Cap 3/8 NC x 1-1/8" (6)) Cap to Housing	81	324 738 R1	RING, Snap (2)
54	156 330 H1	GASKET (*)	82	174 381 H1	GEAR, 52 T (Used w/Transmission 875 495 C91)
55	174 328 H1	COVER	82	888 508 H1	GEAR, 33 T (Used w/Transmission 888 593 C91)
55A	444 576	PLUG, Pipe 1/4" (2)	83	194 291 C1	SHAFT, Output (Used with Transmission 210 801 H1)
56	103 321	WASHER, Lock 3/8" (12)	83	875 481 H1	SHAFT, Output (Used with Transmission 875 495 C91)
57	179 340	SCREW, Cap (12)	84	174 387 H1	BAFFLE, Oil
58	156 330 H1	GASKET (*)	85	156 894 H1	SCREW, Cap - Oil Baffle to Case (3)
59	174 328 H1	CAP	86	156 329 H1	GASKET, Rear Cover to Housing
59A	444 576 352 221 R1	PLUG, 1/4" (2) "O" RING, Cover (+) (%) (4)	87	154 090 H1	DIPSTICK
60	16 332	WASHER, Lock 3/8" (12)) Oil Supply	88	340 045 R1	SEAL
61	179 840	SCREW, Cap 3/8 NC x 1-1/8" (12)) Cap Mounting	89	154 092 H2	PIPE
62	156 367 H1	GASKET (*)	90	103 511 H1	TEE
63	174 335 H1	CAP	91	105 662 H1	NIPPLE
64	103 321	WASHER, Lock 3/8" (6)) Counter Shaft	92	105 637 H1	BEARING, Outer Race (Used with Transmission 210 801 H1)
65	179 839	SCREW, Cap 3/8 NC x 1" (6)) Cap to Housing	92	104 577 H1	CUP, Outer (Used with Transmission 875 495 C91)

(+) - Also part of Kit 875 493 C91
 (%) - Also part of Kit 195 571 H1
 (*) - Also part of Kit 195 559 H1
 (#) - Also part of Kit 195 558 H1

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION (P-1201) (P-1202) - Continued					
	185 534 H1	BEARING, Inner Race	109	103 321	WASHER, Lock 3/8" (Used with Filter 167 321 H1) (6) 1001 thru 01302 except 01295
94	194 292 H1	SEAL, Oil (#)			
95	875 476 C1 875 477 C1 875 478 C1	SHIM, .004" (AR)) Used with SHIM, .007" (AR)) Transmission SHIM, .020" (AR)) 875 495 C91	110	162 408 H1 148 880 H1	HOUSING, Main DOWEL (4)
96	194 278 H1	RETAINER, Bearing (Used with Transmission 210 801 H1)	111	156 398 H1	GASKET, Front Cover to Housing (*)
96	875 480 C1	RETAINER, Output Shaft (Used with Transmission 875 495 C91)	112	875 110 C2	COVER, Main Housing Front
97	179 839	SCREW, Cap 3/8 NC x 1" (6)) Retainer) to Housing	113A	125 003 H1	SEAL, Dyna (3)
98	103 321	WASHER, Lock 3/8" (3))	114	103 321	WASHER, Lock 3/8" (20)
99	194 288 H1	YOKE	115	156 602 H2	SEAL, Oil, Input Shaft Yoke (#)
100	194 294 H1	GASKET (*)	116	174 358 H1	FLANGE, Input
101	194 293 H1	RETAINER, Yoke	117	106 270	WASHER, Flat 1"
102	215 617 R1	NUT	118	174 386 H1	WASHER, Rubber
103	20 569 R1	PIPE, Plug 3/4"	119	215 617 R1	NUT
104	445 686	PIPE, Plug 3/8"	120	129 509 H1	RING, Seal, Shaft End (6)
105	156 306 H1	GASKET (*)	121	174 342 H1	RACE, Inner Bearing (2)
105A	877 588 C1	RETAINER, Filter	122	174 318 H1	SPACER, Outer Race
	179 883	SCREW, Cap 1/2 NC x 1-1/4" (4) 01303 & up, also 1295	123	174 382 H1	RACE, Inner Bearing
	103 323	WASHER, Lock 1/2" (4) 01303 & up, also 1295	124	174 346 H1	RACE, Inner Bearing
106	167 321 H1	FILTER, Oil Sump (Order Oil Filter 214 187 H1, Gasket 169 206 H1, Cap Screw 179 883, Lock Washer 103 324, Retainer Filter 877 588 C1, Cap Screw 179 842, and Lockwasher 103 321, also order Adapter 9 410 207, "O" Ring 296 247 H1, Hose for I. H. and Cummins 204 840 H1, Hose for Detroit 876 341 C1) 1001 thru 01302 except 01295	125	220 841 H1	FLANGE
			126	876 428 C91	SCREW, Cap with Lockwasher (4)
			127	285 723 R1	"O" RING, 3-1/8 x 3-3/8 x 1/8"
			128	220 844 H1	VALVE ASSEMBLY
			129	220 845 H1	ELEMENT ASSEMBLY, Filter
			130	148 880 H1	DOWEL (4)
106A	214 187 H1	FILTER, Oil (Includes Items 125 thru 129) 1303 & up, also 1295	131	174 342 H1	BEARING (2)
			132	174 357 H1	WASHER, Thrust (2)
			133	212 287 H1	SPACER
107	167 323 H1	CAP, Filter Screen (Order Oil Filter 214 187 H1, Gasket 169 206 H1, Cap Screw 179 883, Lockwasher 103 324, Retainer Filter 877 588 C1, Cap Screw 179 842, and Lockwasher 103 321 also order Adapter 9 410 207, "O" Ring 296 247 R1, Hose for I. H. and Cummins 204 840 H1, Hose for Detroit 876 341 C1) 1001 thru 01302 except 01295	134	210 812 H2	BEARING (2)
			135	176 352 H1	SPACER (2)
			136	327 149 R1	WASHER, Thrust (2)
			137	327 150 R1	SPACER, Washer (2)
			138	153 336 H1	PIN, Roll (2)
			139	117 613 R1	RING, Snap
107A	159 206 H1	GASKET, Filter (Used with Filter 214 187 H1) 01303 & up, also 01295	140	287 049 R1	RING, Snap
			141	174 342 H1	RACE, Inner Bearing
108A	179 839	SCREW, Cap 3/8 NC x 1" (4) 1001 thru 01312 except 01295	142	174 368 H1	WASHER, Thrust
108A	179 842	SCREW, Cap 3/8 NC x 1-3/8" (6) 01303 & up, also 01295	143	153 336 H1	PIN, Roll (2)
			144	176 352 H1	SPACER, Clutch (2)
109A	103 321	WASHER, Lock 3/8" (Used with Filter, 214 187 H1) (4) 01303 & up, also 01295	145	327 149 R1	WASHER, Thrust (2)

C-15

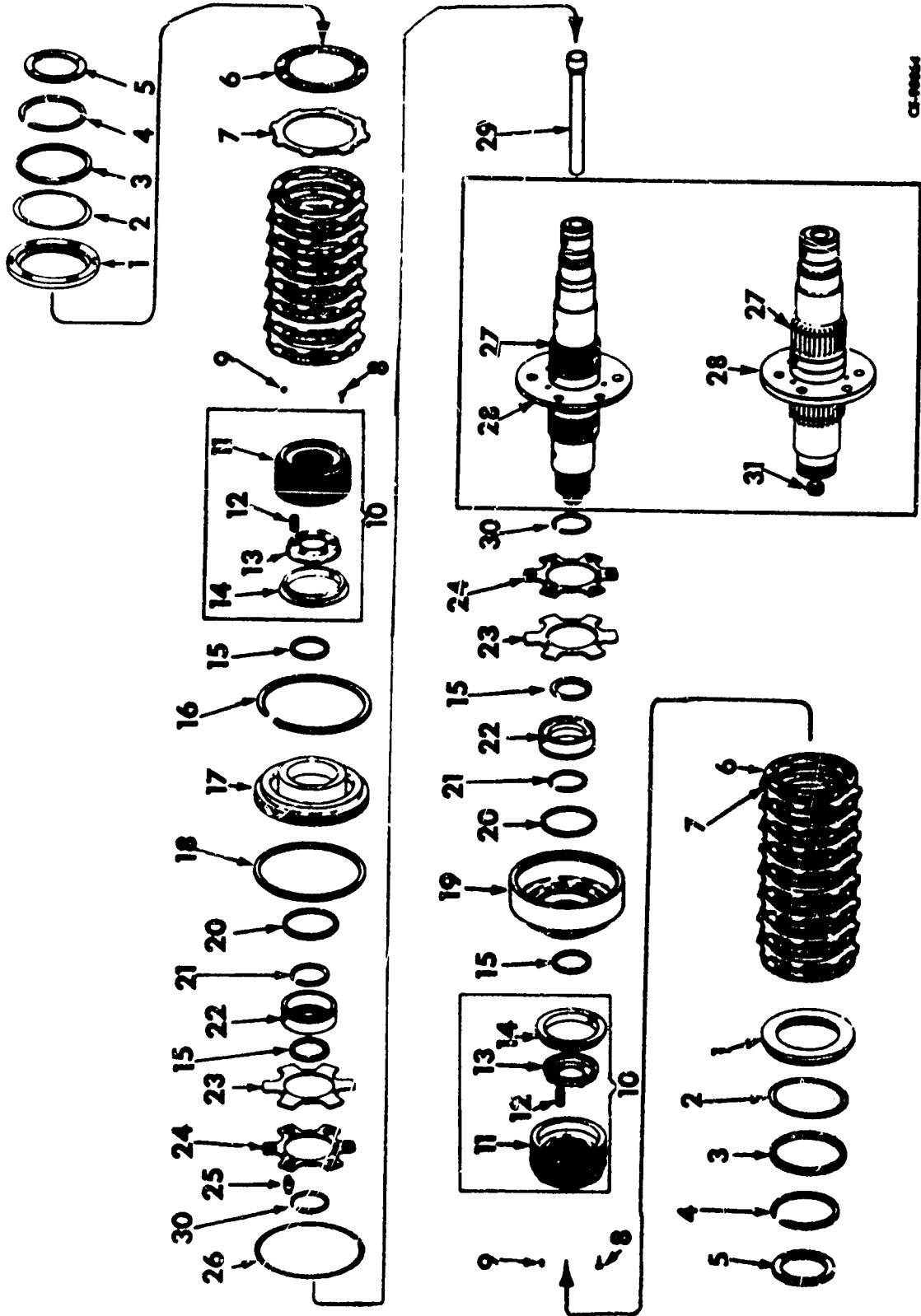
TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSMISSION (P-1201) (P-1202) - Continued					
146	327 150 R1	SPACER (2)	195 559 H1	KIT, Gasket	
147	210 812 H1	BEARING (3)		(Consists of -	
148	174 371 H1	WASHER, Thrust		5 GASKET	321 992 R1
149	174 372 H1	BEARING, Inner Race		1 GASKET	148 833 H1
150	287 049 R1	RING, Snap		1 GASKET	148 835 H2
151	117 613 H1	RING, Snap		1 GASKET	148 890 H1
152	174 376 H1	RACE, Inner Bearing		1 GASKET	149 224 H1
153	174 368 H1	WASHER, Thrust		2 GASKET	149 421 H1
154	210 812 H1	BEARING (3)		1 GASKET	156 257 H1
155	327 150 R1	WASHER, Spacer (2)	195 558 H1	1 GASKET	156 306 H1
156	327 149 R1	WASHER, Thrust (2)		1 GASKET	156 329 H1
157	176 352 H1	SPACER (2)		2 GASKET	156 330 H1
158	153 336 H1	PIN, Roll (2)		2 GASKET	156 350 H1
159	174 371 H1	WASHER, Thrust		1 GASKET	156 352 H1
160	174 372 H1	RACE, Inner Bearing		1 GASKET	156 367 H1
161	287 049 R1	RING, Snap		1 GASKET	156 398 H1
162	444 709	PLUG, 3/4" Pipe (2)		2 GASKET	194 294 H1)
163	22 413 R1	"O" RING, (Used with Transmission 210 801 H1) (%)	195 571 H1	KIT, "O" Ring	
163	21 207 R1	"O" RING, (Used with Transmission 875 495 H1) (+)		SN 1001 thru 01275	
882 389 C91		KIT, Gear & Drum - Kit updates one entire Transmission from the Pushing Design to the Bearing Design (Consists of -		(Consists of -	
		7 BEARING, Roller 210 812 H1		2 "O" RING	22 299 R1
		1 GEAR 210 804 H1		1 "O" RING	22 413 R1
		1 GEAR 210 805 H1		1 "O" RING	22 417 R1
		2 GEAR 210 806 H1		9 "O" RING	148 876 H1
		2 GEAR 210 807 H1		1 "O" RING	149 415 H1
		6 PIN, Spring 153 336 H1		2 "O" RING	176 339 H1
		6 SPACER, Clutch 176 352 H1		4 "O" RING	254 954 R1
		6 SPACER, Washer 176 354 H1		1 "O" RING	350 684 R1
		6 WASHER, Thrust 176 353 H1)		4 "O" RING	352 221 R1)
217 389 H1		RETAINER, 194 282 H1 w/Bearing 210 801 H1 and Oil Seal 194 292 H1 SN 1001 thru 01275	875 493 C91	KIT, "O" Ring	
217 379 H1		RETAINER, 194 278 H1 w/Bearing 165 637 H1 and Oil Seal 194 292 H1 SN 1001 thru 01275		SN 01276 & up	
876 782 C91		RETAINER, 875 495 C91 w/Bearing 104 577 H1 and Oil Seal 194 292 H1 SN 01276 & up		(Consists of -	
876 783 C91		RETAINER, 875 480 C1 w/Cup 104 577 H1 and Oil Seal 194 292 H1 SN 01276 & up		1 "O" RING	21 207 R1
				2 "O" RING	22 299 R1
				1 "O" RING	22 417 R1
				9 "O" RING	148 876 H1
				5 "O" RING	149 415 H1
				2 "O" RING	176 339 H1
				4 "O" RING	254 954 H1
				1 "O" RING	350 684 R1
				4 "O" RING	352 221 R1)

(+) - Also part of Kit 875 493 C91
 (%) - Also part of Kit 195 571 H1

TRANSMISSION

BASIC GEAR PACK



CF-10004

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BASIC CLUTCH PACK - Continued

174 348 HI		BASIC CLUTCH ASSEMBLY - Forward & Reverse SN-1001 thru 01122 (Order the following) - 1 CLUTCH PACK 210 802 H3 1 GEAR 210 804 HI 1 GEAR 210 805 HI 2 ROLL PIN 153 336 HI 2 ROLLER 210 812 HI 2 SPACER 176 352 HI 1 SPACER 212 287 HI 2 WASHER 176 353 HI 2 WASHER 176 354 HI	18	176 339 HI	RING, Seal (+) (%) (**) (2)
			19	176 341 HI	HOUSING, Piston
			20	176 337 HI	RING, Seal (**) (2)
			21	176 336 HI	RING, External Snap (2)
			22	176 335 HI	PISTON, Accelerator (2)
			23	176 332 HI	DISC, Reinforcing (2) 1001 thru 01122
			23	214 779 HI	DISC, Reinforcing (%) (2) 01123 & up
			24	176 333 HI	DISC, Valve (%)
			25	163 424 HI	PIN, Dowel (3)
			25	214 778 HI	PIN, Dowel (%) (3) 01123 & up
			26	22 299 R1	"O" RING, 7-1/4 x 7-3/4 x 1/4"
			27	176 358 HI	SHAFT ASSEMBLY (Used with 174 348 HI Clutch Pack) SN-1001 thru 01122 (Order the following) - 1 SHAFT 211 634 HI 3 PIN, Dowel 214 778 HI 1 DISC, Reinforcing 214 779 HI
210 803 H3		BASIC CLUTCH PACK (1st & 3rd, 2nd & 4th) (Includes Items 1 thru 31) SN-01123 & up	27	211 634 HI	SHAFT ASSEMBLY, w/Plate Separator, Tube, and (2) Rings, 176 336 HI (Used with Clutch Pack 210 802 H3) SN-01123 & up
			27	176 362 HI	SHAFT ASSEMBLY, (Used with Clutch Pack 174 360 HI) SN-1001 thru 01122 (Order the following) - 1 SHAFT 211 635 HI 1 PIN, Dowel 214 778 HI 1 DISC, Reinforcing 214 779 HI
176 347 HI		PLATE, Clutch, Backing (2)	2	176 348 HI	RETAINER, Snap Ring (2)
176 349 HI		RING, Internal Snap (2)	3	327 146 HI	RING, Internal Snap (2)
882 202 C1		RING, Retaining (4)	5	882 202 C1	RING, Retaining (4)
176 345 HI		PLATE, Internal Spline (18)	6	176 345 HI	PLATE, Internal Spline (18)
176 346 HI		PLATE, External Spline (16)	7	176 346 HI	PLATE, External Spline (16)
189 339 HI		BOLT, 5/16"-18 x .406 (4)	8	189 339 HI	BOLT, 5/16"-18 x .406 (4)
164 568 HI		PIN, Dowell (2)	9	164 568 HI	PIN, Dowell (2)
176 344 C91		CLUTCH, Hub Assembly (2) (Trans SN-1462 and below) (Order the following - 1 HUB ASSEMBLY 702 676 C1 1 RING, Retainer 882 202 C1)	10	176 344 C91	CLUTCH, Hub Assembly (2) (Trans SN-1462 and below) (Order the following - 1 HUB ASSEMBLY 702 676 C1 1 RING, Retainer 882 202 C1)
702 676 C1		CLUTCH, Hub Assembly (2) (Trans SN-1463 & up)	10	702 676 C1	CLUTCH, Hub Assembly (2) (Trans SN-1463 & up)
			11	NSS	HUB, Clutch (2)
			12	NSS	SPRING (12)
			13	NSS	RETAINER, Spring (2)
			14	NSS	RETAINER, Plate (2)
			15	176 334 HI	RING, Seal (**) (4)
			16	176 342 HI	RING, Internal Snap
			17	176 338 HI	PISTON, Clutch
			28		PLATE, Separator (Order Kit 882 390 C91) (%)
			29		TUBE, (Not furnished Separately)
			30	176 336 HI	RING, External Snap (%) (2)
			31	194 363 H2	PLUG, 1/2"-14 Pipe (Used on Shaft 211 635 HI)

(%) - Part of Kit 195 571 HI
(+) - Part of Kit 875 493 C91
(**) - Part of Kit 198 287 HI
(%) - Part of Kit 882 390 C91
0 - Not furnished Separately

TRANSMISSION

REF. NO.	PART NUMBER	DESCRIPTION
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BASIC CLUTCH PACK - C ntinued

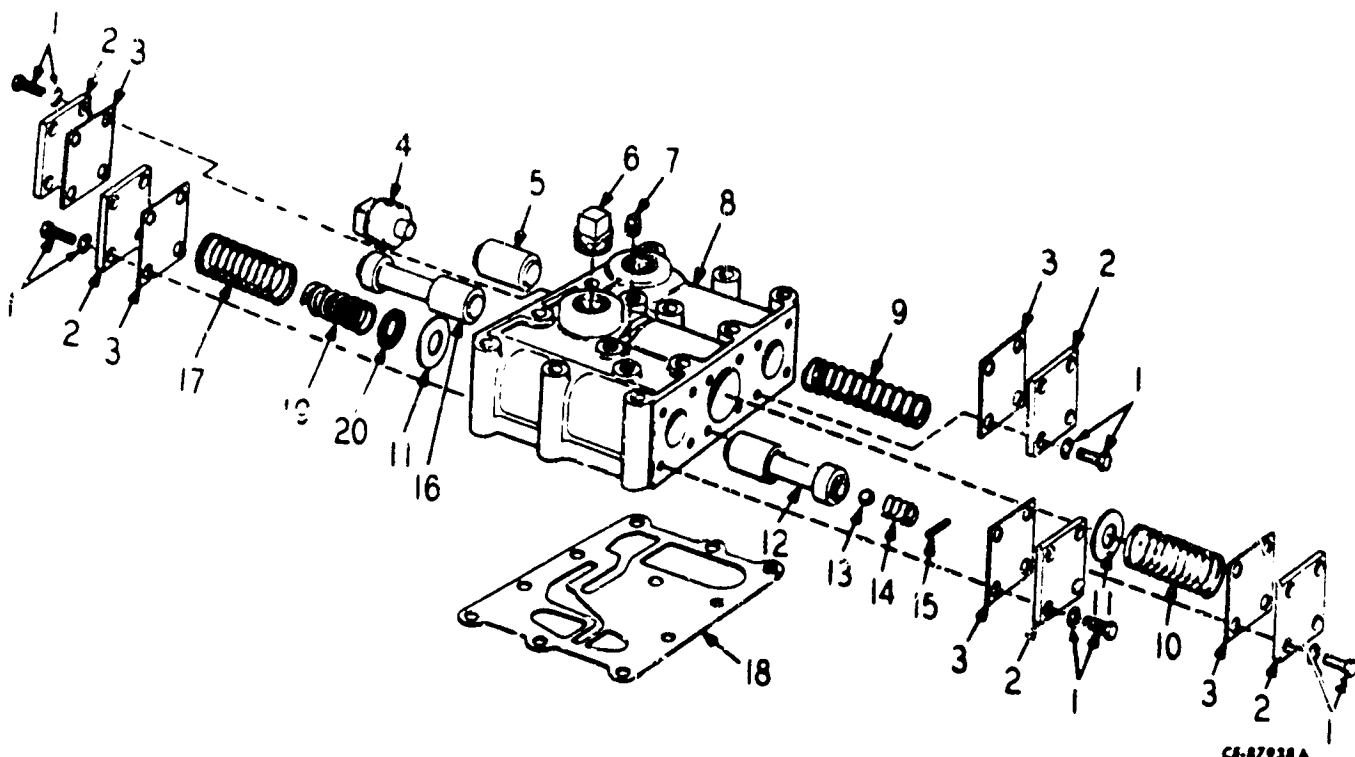
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198 287 HI	KIT, Seal Ring (Consists of -	
	1 O' RING	22 299 RI
	4 RING, Seal	176 334 HI
	2 RING, Seal	176 337 HI
	2 RING, Seal	17 339 HI)
882 390 C91	KIT, Separator Plate (Consists of -	
	2 DISC, Reinforcing	214 779 HI
	2 DISC, Valve	176 333 HI
	3 PIN, Dowel	214 778 HI
	1 PLATE, Separator #	
	2 RING, External Snap	176 336 HI)

(%) - Part of Kit 882 390 C91
- Not Furnished Separately

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MAIN REGULATOR VALVE



148 889 H3	VALVE, Main Regulator (Includes Items 1 thru 20)	10	148 888 H1	SPRING, By-Pass Valve	
166 450 H2	VALVE ASSEMBLY (Includes Items 12 thru 15)	11	148 826 H1	WASHER (AR)	
1	189 317 H1	SCREW & WASHER ASSEMBLY (20)	12	186 451 H2	VALVE, Main Regulator
2	148 827 H1	COVER (5)	13	186 454 H1	BALL
3	148 828 H1	GASKET (5) (*)	14	186 452 H4	SPRING
4	149 423 H2	PLUG	15	190 769 H1	PIN
5	149 422 H1	VALVE, Lube	16	148 825 H1	VALVE, Main Regulator
6	20 969 R1	PLUG, Pipe - 3/4"	17	148 829 H2	SPRING, Compression
7	193 488 H1	PLUG (3)	18	148 890 H1	GASKET (*)
8	148 883 H1	BODY	19	174 653 H2	SPRING, Inner
9	148 830 H1	SPRING, Lube Valve	20	606 506 C1	WASHER, Spring (AR)

(*) - Also part of Kit 195 559 H1

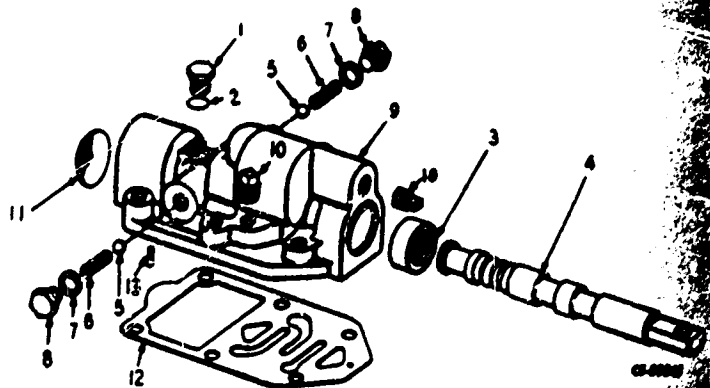
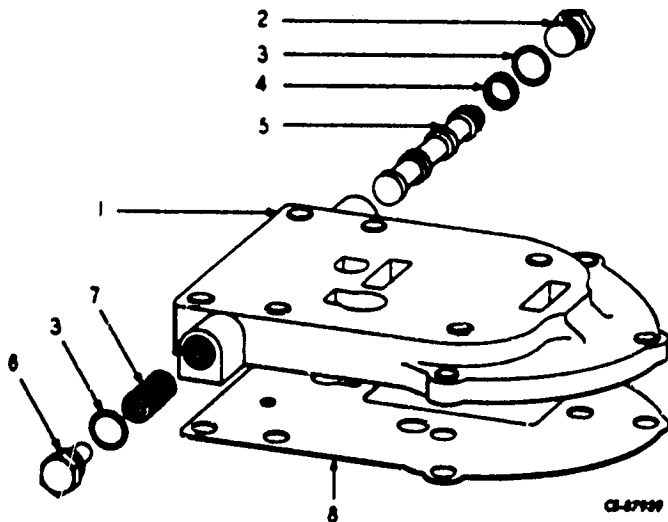
TRANSMISSION

REF. PART NO. NUMBER DESCRIPTION

REF. PART NO. NUMBER DESCRIPTION

NEUTRAL KNOCKDOWN VALVE

FORWARD & REVERSE VALVE



156 345 H1 VALVE, Neutral Knockdown (Includes Items 1 thru 8)

- 1 156 346 H1 BODY
- 2 157 258 H1 PLUG
- 3 156 350 H1 GASKET (2) (*)
- 4 156 348 H1 RING, Seal
- 5 156 347 H1 VALVE
- 6 156 351 H2 PLUG ASSEMBLY
- 7 156 349 H1 SPRING
- 8 156 352 H1 GASKET (*)

(*) - Part of Kit 195 559 H1

875 023 C91 VALVE, (Includes Items 1 thru 13)

- 1 9 410 359 PLUG
- 2 570 828 R1 "O" RING
- 3 148 574 H1 SEAL, Oil (#)
- 4 VALVE, (Not Furnished Separately)
- 5 148 587 H1 BALL (2)
- 6 149 246 H1 SPRING, Valve Detent (2)
- 7 149 421 H1 GASKET (2) (*)
- 8 149 420 H1 PLUG (2)
- 9 BODY, (Not Furnished Separately)
- 10 445 686 PLUG, 3/8" Pipe (2)
- 11 128 779 H1 PLUG, Expansion
- 12 148 833 H1 GASKET (*)
- 13 157 634 H1 PIN, Spring
- 193 488 H1 PLUG (2)

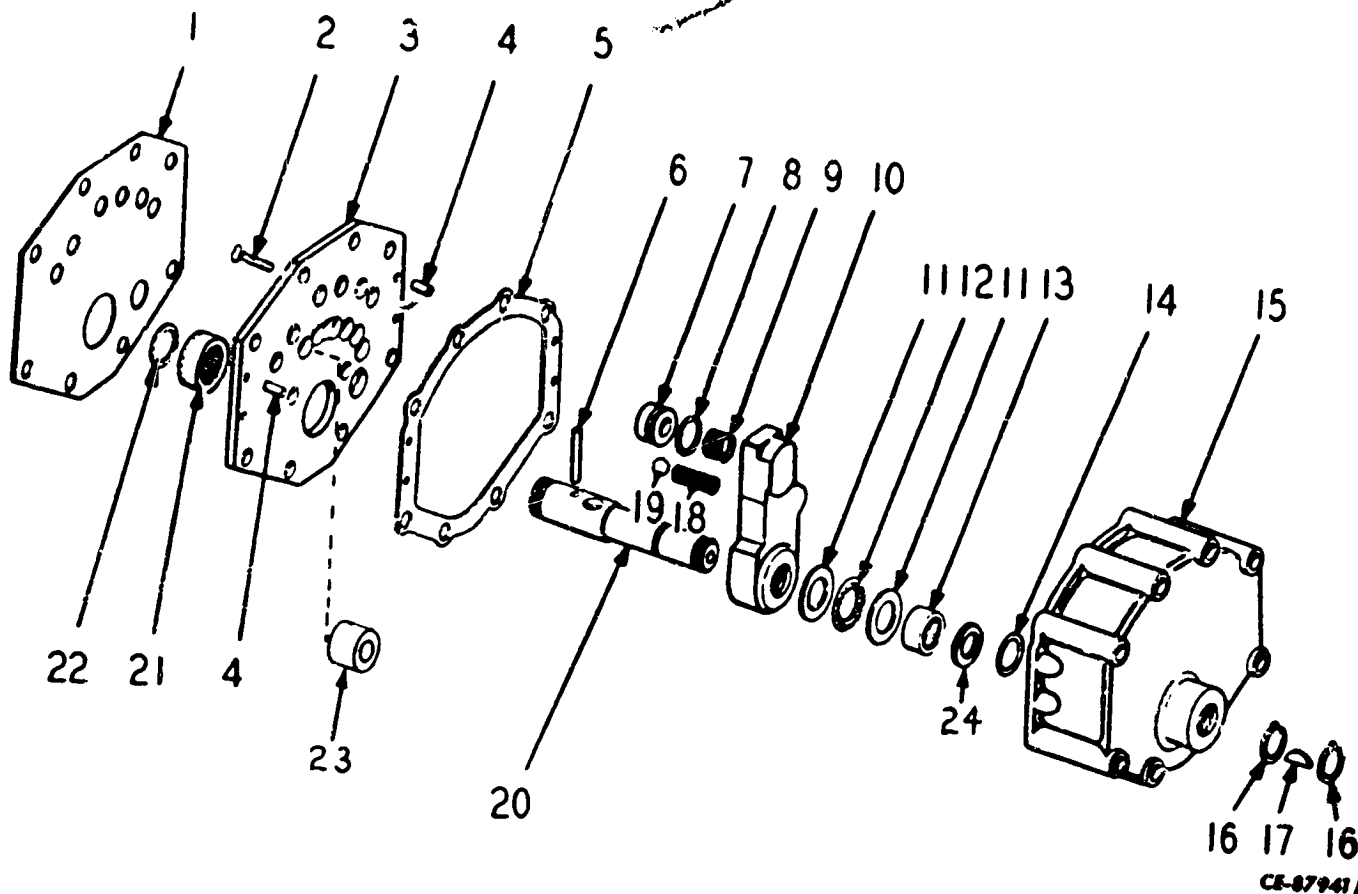
(#) - Part of Kit 195 558 H1

(*) - Part of Kit 195 559 H1

TRANSMISSION

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



161	273 H1	VALVE, Range Selector (Order 892 436 C91)	10	207 593 H1	VALVE
		1001 thru 01065			SN 1065 & up
207	592 H1	VALVE, Range Selector (Order 892 436 C91)	11	148 811 H1	WASHER, Thrust (2)
		1066 thru (-)	12	324 105 R91	BEARING, Needle Thrust
161	348 H1	PLATE ASSEMBLY (Includes Items 3, 4 & 21)	13	276 578 R91	BEARING, Needle
892	436 C91	VALVE, Range Selector (Includes Items 1 thru 25)	14	615 851 C1	"O" RING (+) (%)
		(-) & up	15	148 808 H1	COVER
1	149 224 H1	GASKET (*)	16	269 181 R1	RING, Snap (2)
2	113 991	SCREW	17	106 751	KEY, Woodruff - No. 9
3	197 996 H1	PLATE (Used on VALVE 207 592 H1) (Order the following - 1 PLATE 892 481 C1 1 VALVE STOP 892 479 C1)	18	149 413 H1	SPRING
3	892 481 C1	PLATE (Used on VALVE 892 436 C91)	19	145 587 H1	BALL
4	161 349 H1	PIN, Spring (2)	20	148 806 H1	SHAFT
5	148 635 H2	GASKET, Cover (*)	21	10 026 R1	BEARING, Needle
6	148 857 H1	PIN, Dowel	22	324 022 R1	RING, Seal
7	324 009 R1	VALVE, Oil Inlet	23	207 594 H1	SPACER (Used on VALVE 207 592 H1) (Order the following - 1 VALVE STOP 892 479 C1 1 PLATE 892 481 C1 or 1 PLATE ASSY 892 480 C91)
8	347 641 R1	"O" RING (+) (%)	23	892 479 C1	STOP, Valve (Used on VALVE 892 436 C91)
9	324 010 R1	SPRING	24	615 850 C1	WASHER
10	161 345 H1	VALVE			
		SN 1001 thru 1065 (Order the following - 1 VALVE 207 593 H1 1 SPACER 207 594 H1)			

C-22

SECTION 5

DRIVE SHAFT

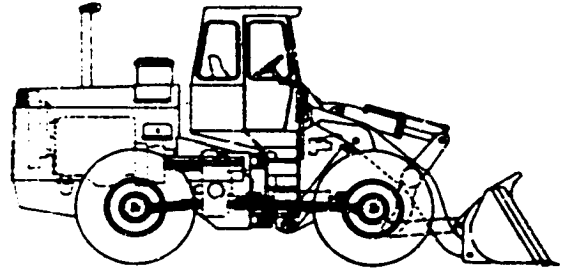


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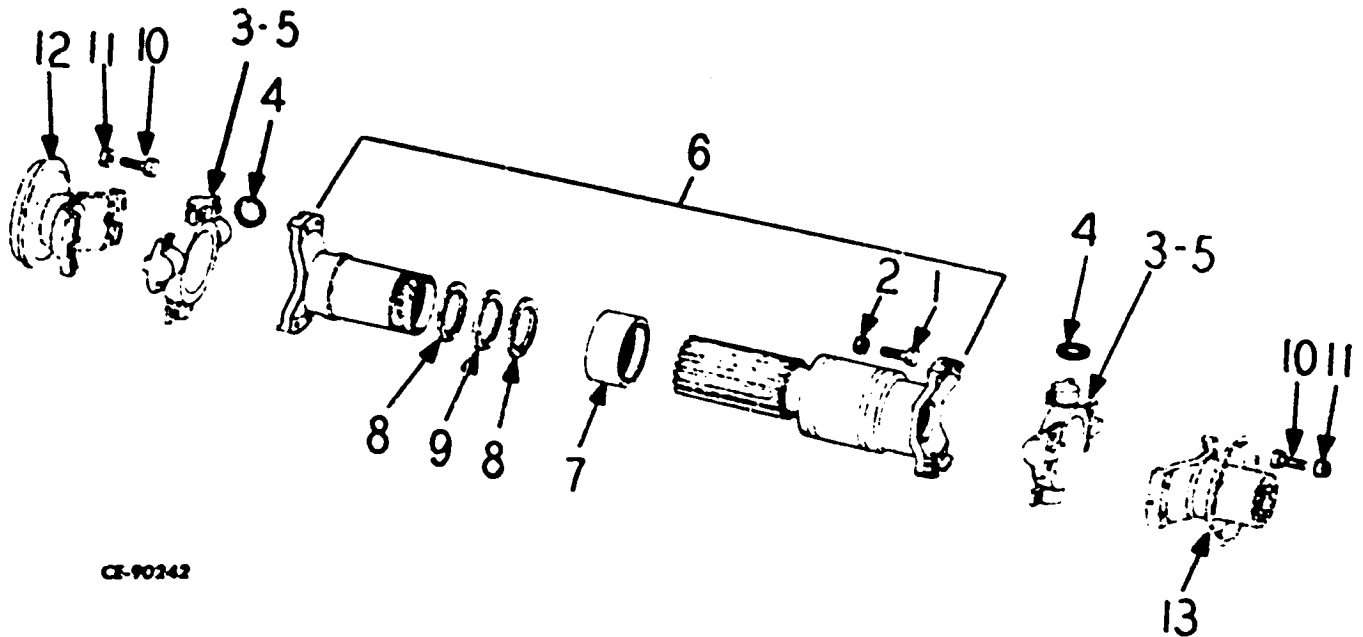
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DRIVE SHAFT (Transmission to Rear Axle)	5-3
DRIVE SHAFT (Transmission to Transfer Drive) . .	5-4
DRIVE SHAFT (Transfer Drive to Front Axle) . . .	5-5
TRANSFER DRIVE	5-7

REFER TO ALPHABETICAL INDEX GRID A-2

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DRIVE SHAFT (Converter to Transmission)



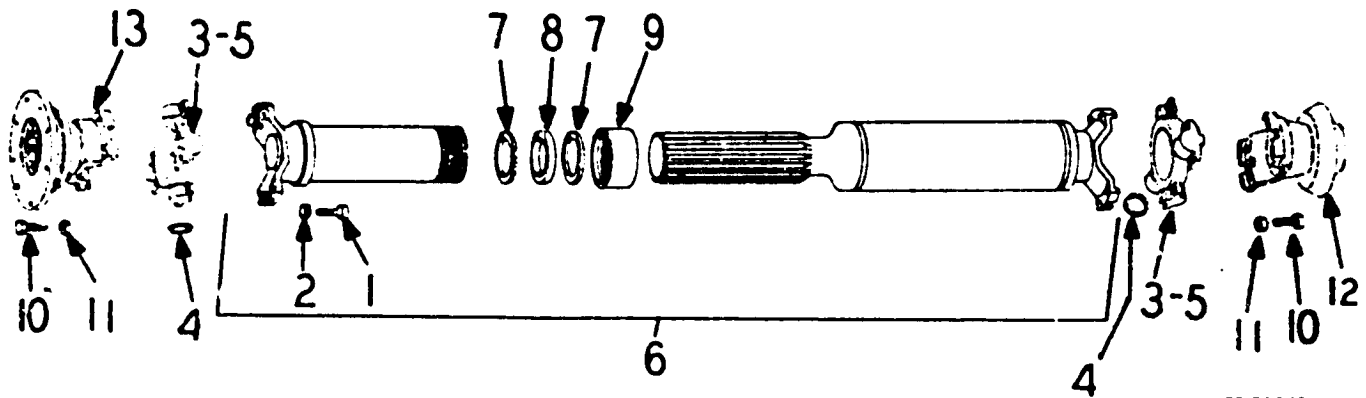
CE-90242

199 060 H1	DRIVE SHAFT, Includes Items 1 thru 9 (Used with IHC & Cummins Engine Power)	445 684	PLUG, Pipe 1/8"
196 334 H1	DRIVE SHAFT, Includes Items 1 thru 9 (Used with Detroit Diesel Engines)	7	135 121 H1 RETAINER, Felt
1	135 755 H1 SCREW, Cap (8)	6	135 122 H1 WASHER, Felt Retainer (2)
2	21 119 R1 NUT, Jam 3/8" NF-24 (8)	9	135 123 H1 WASHER, Felt
3	135 765 H1 SPIDER & BEARING ASSEMBLY, Includes Items 4 & 5 (2)	10	135 755 H1 SCREW, Cap (Yoke to Shaft) (8)
4	127 727 H1 WASHER, Cork (4)	11	21 119 R1 NUT, Jam 3/8" NF-24 (Yoke to Shaft) (8)
5	110 146 R91 FITTING, Grease	12	YOKE, Converter End (See Torque Converter in Section 3)
6	200 200 H1 SLIP YOKE & TUBE ASSEMBLY, Used with Drive Shaft 199 060 H1, Includes Items 7 thru 9 & Plug 445 684	13	YOKE, (See Transmission in Section 4)
6	199 316 H1 SLIP YOKE & TUBE ASSEMBLY, Used with Drive Shaft 196 334 H1, Includes Items 7 thru 9 & Plug 445 684		

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DRIVE SHAFT (Transmission to Rear Axle)



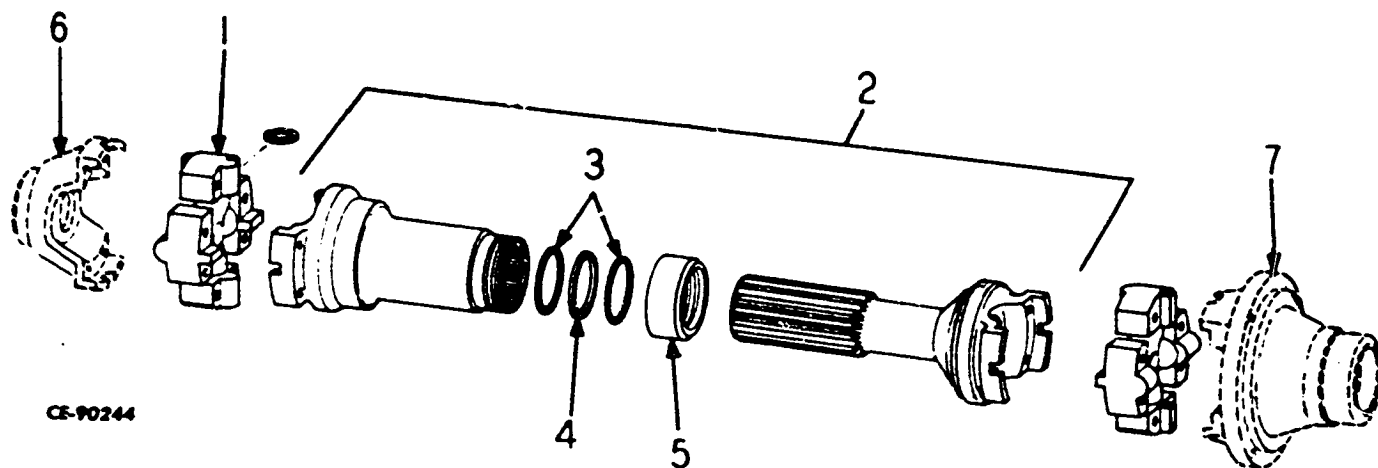
CS-90243

	196 335 H1	DRIVE SHAFT, Includes Items 1 thru 9		445 684	PLUG, Pipe 1/8"
1	135 754 H1	SCREW, Cap (8)	7	135 914 H1	WASHER, Felt Retainer (2)
2	21 121 R1	NUT, Jam 1/2" NF-20 (8)	8	135 915 H1	WASHER, Felt
3	136 142 H1	SPIDER & BEARING ASSEMBLY, Includes Items 4 & 5 (2)	9	135 916 H1	RETAINER, Felt
4	128 533 H1	SEAL (4)	10	135 754 H1	SCREW, Cap (Yoke to Shaft) (8)
5	109 461	FITTING, Grease	11	21 121 R1	NUT, Eena 1/2" NF-20 (Yoke to Shaft) (8)
6	199 309 H1	SLIP YOKE & TUBE ASSEMBLY, Includes Items 7 thru 9 & Plug 445 684	12		YOKE, (See Transmission in Section 4)
			13		YOKE, (See Differential in Section 6)

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DRIVE SHAFT (Transmission to Transfer Drive)

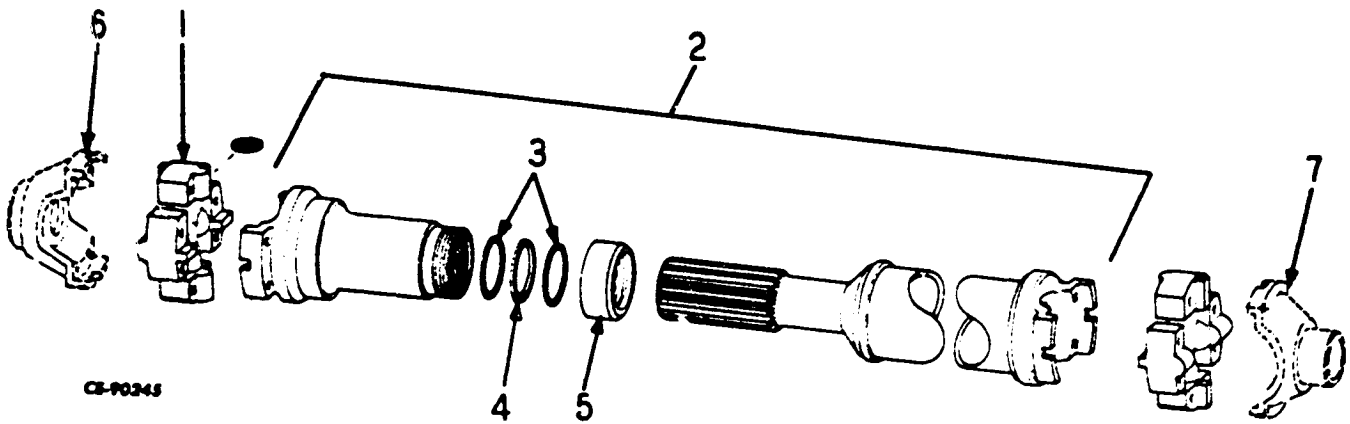


	196 336 H2	DRIVE SHAFT, (Includes Items 1 thru 5)		216 820 H1	DUST CAP ASSEMBLY, (Includes Items 3, 4 & 5)
	135 754 H1	SCREW, Cap (4)	3	135 914 H1	WASHER, Metal (2)
	21 121 R1	NUT, Esna 1/2" NF-20 (4)	4	135 915 H1	WASHER, Felt
1	136 142 H1	SPIDER & BEARING ASSEMBLY, Includes next two parts (12)	5	135 916 H1	CAP, Dust
	128 533 H1	SEAL (4)		135 754 H1	SCREW, Cap (8)
	109 461	FITTING, Grease		135 754 H1	SCREW, Cap (4)
				103 323	WASHER, Lock 1/2" (4)
2	216 546 H1	SLIP YOKE & TUBE ASSEMBLY, Includes next four parts	6		YOKE, See Transmission in Section 4
	197 024 H1	PLUG, Welch	7		YOKE, See Transfer Drive in Section 4
	175 046 H1	LOK, Nylon			
	445 684	PLUG, Pipe 1/8"			

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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DRIVE SHAFT (Transfer Drive to Front Axle)

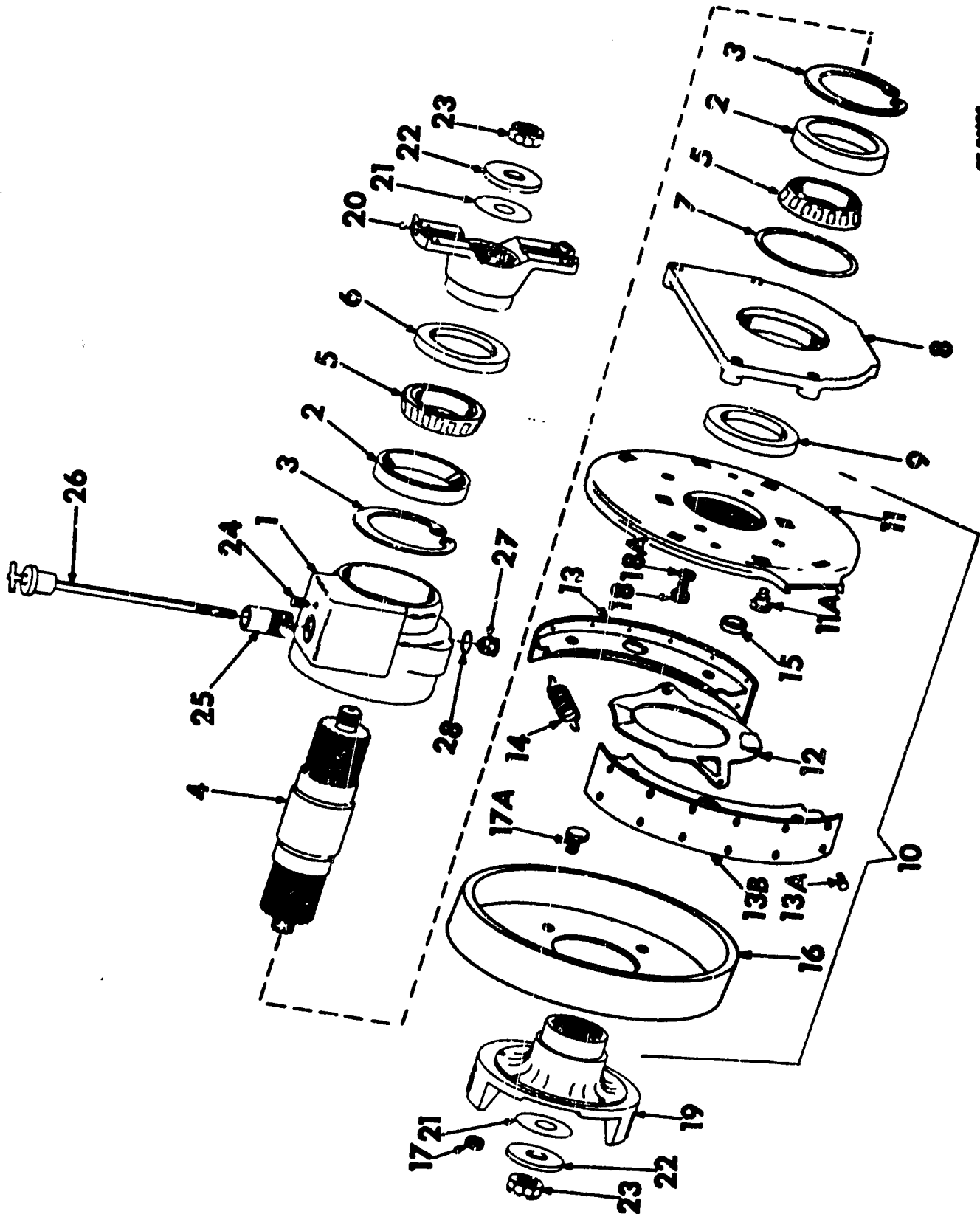


196 337 H1	DRIVE SHAFT, Includes Items 1 thru 5	3	135 914 H1	WASHER, Retainer (2)
135 754 H1	SCREW, Cap (4)	4	135 915 H1	WASHER, Felt
21 121 R1	NUT, Jam 1/2" NF-20 (8)	5	135 916 H1	RETAINER, Felt
21 205 R1	SCREW, Cap 1/2 x 2-1/2" GR8 (4)		135 754 H1	SCREW, Cap (8)
103 323	WASHER, Lock 1/2" (4)		103 323	WASHER, Lock 1/2" (4)
1	136 142 H1 SPIDER & BEARING ASSEMBLY, Includes next 2 items (2)	6	21 121 R1	NUT, Esna 1/2" NF-20 (8)
	128 533 H1 SEAL (4)	7		
	109 461 FITTING, Grease		445 684	YOKE, See Front Axle in Section 6
2	199 315 H1 SLIP YOKE & TUBE ASSEMBLY, Includes Items 3 thru 5 & Plug 445 684			PLUG, Pipe 1/8"

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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TRANSFER DRIVE



CS-70023

DRIVE SHAFT

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TRANSFER DRIVE - Continued					
	194 651 HI	TRANSFER DRIVE ASSEMBLY, (Includes Items 1 thru 28)	28	114 851 HI	WASHER, Copper
	179 889	BOLT, 1/2 NC x 2" (2)		165 684 HI	KIT, Brake Lining (Includes 28 of Item 13A & 2 of Item 13B)
	179 887	BOLT, 1/2 NC x 1-3/4" (4)			
	103 323	WASHER, Lock 1/2" (6)			
1	194 413 HI	HOUSING			
2	195 785 HI	CUP, Bearing (2)			
3	195 787 HI	RING, Retaining (Special) (2)			
4	194 417 HI	SHAFT			
5	195 784 HI	CONE, Bearing (2)			
6	195 786 HI	SEAL, Oil			
7	3 046 999 R1	"O" RING, 5-5/8 x 5-7/8 x 1/8"			
8	194 422 HI	COVER			
	179 841	BOLT, 3/8 NC x 1-1/4" (8)			
	103 321	WASHER, Lock 3/8" (8)			
9	194 423 HI	SEAL, Oil			
10	194 424 HI	BRAKE, Parking (Includes Items 11 thru 16)			
11	194 276 HI	PLATE ASSEMBLY, (Includes Item 11A)			
11A	139 343 HI	RIVET			
12	141 127 HI	LEVER			
13	141 131 HI	SHOE & LINING ASSEMBLY (Includes Items 13A & 13B) (2)			
13A	162 557 HI	RIVET (28)			
13B	141 128 HI	LINING (2)			
14	141 153 HI	SPRING (2)			
15	143 206 HI	ROLLER			
16	198 788 HI	DRUM			
17	18 526 R1	NUT, 7/16"-14 NC Esna (4)			
17A	179 860	SCREW, Cap 7/16 NC x 1-1/4" (4)			
18	179 858	SCREW, Cap 7/16 NC ± 1" (4)			
18A	103 321	WASHER, Lock 7/16" (4)			
19	194 653 HI	YOKE, 58WB Flanged			
20	194 654 HI	YOKE, 58WB Fitting			
21	194 294 HI	SEAL, Yoke (2)			
22	194 293 HI	RETAINER, Yoke (2)			
23	215 61 R1	NUT, Lock (2)			
24	152 127 HI	BREATHER			
25	194 427 HI	NIPPLE, Half			
26	214 895 HI	DIPSTICK			
27	121 508 HI	PLUG, Magnetic			

SECTION 6

SOLID AXLE

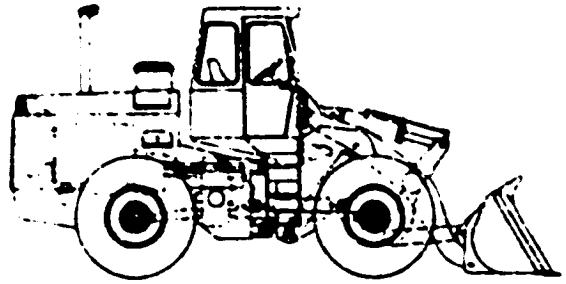


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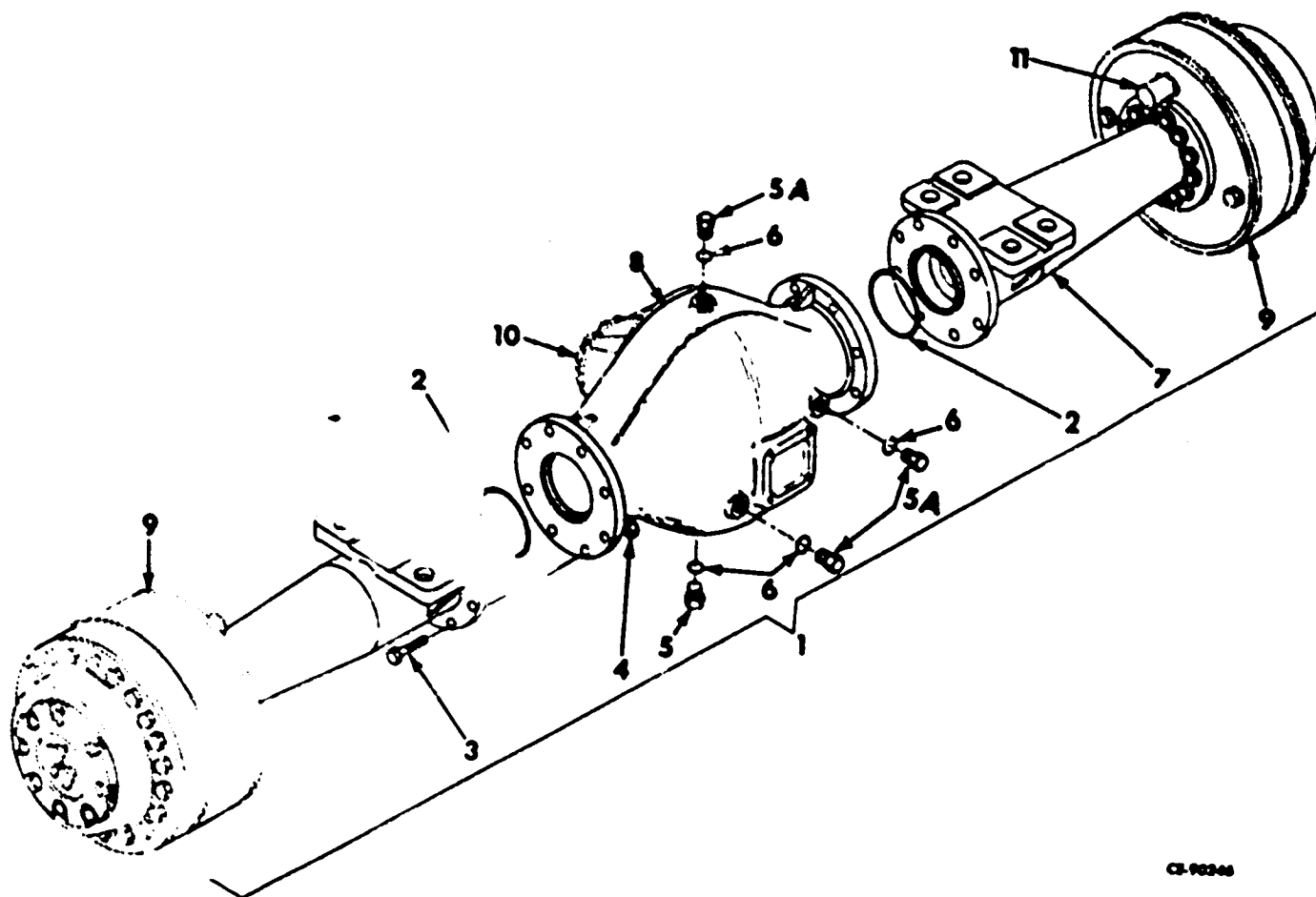
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BRAKE (Automatic Adjustment)	6-9
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DIFFERENTIAL CARRIER (Front & Rear)	6-7
WHEEL & MOUNTING	6-12

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SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AXLE ASSEMBLY (Rear)



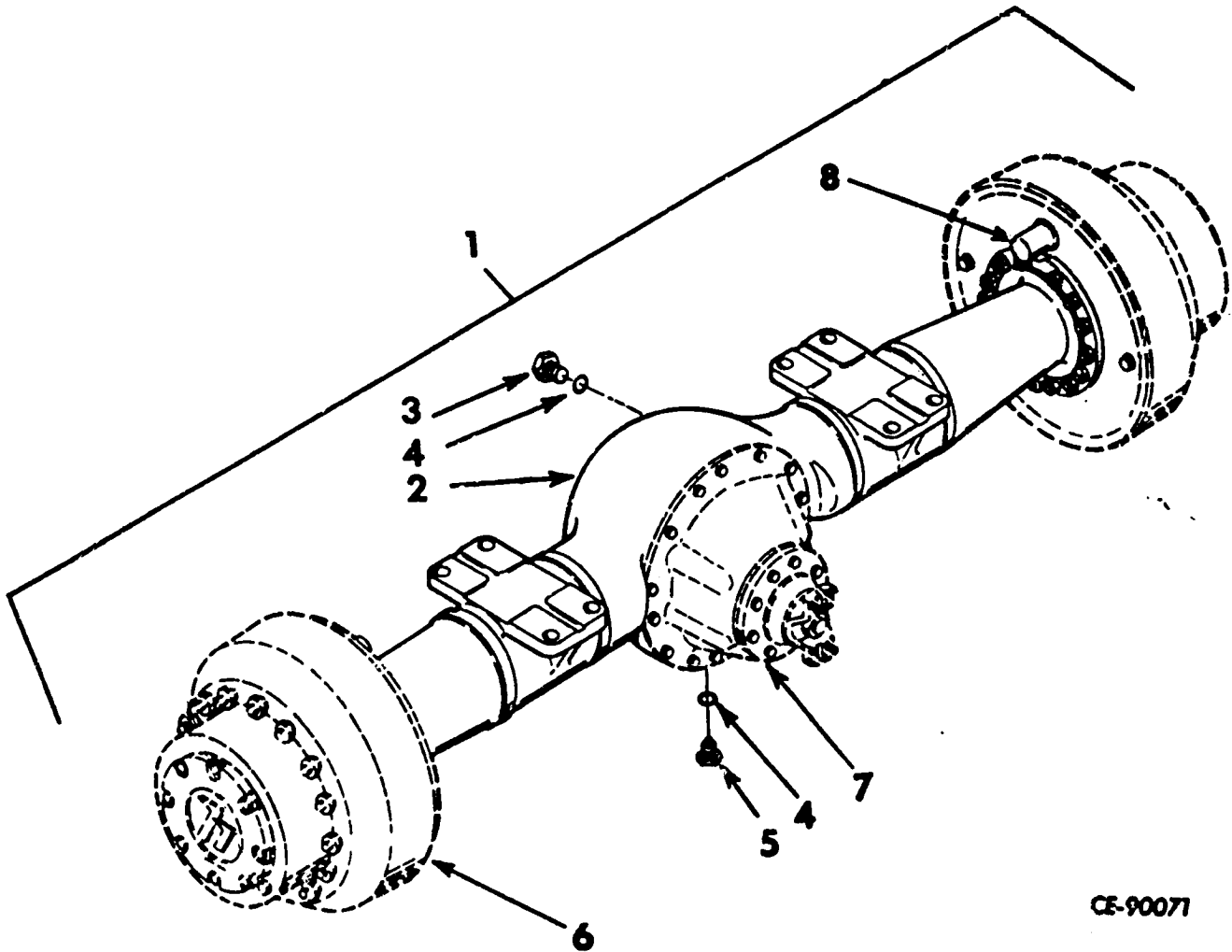
CL 90246

1	195 190 H3	AXLE ASSEMBLY, (Rear) 1001 thru 0132	6	368 269 R1	"O" RING (4) 01133 & up
1	217 155 H4	AXLE ASSEMBLY, (Rear) 01133 & up	7	195 192 H5	HOUSING, (Order Housing 221 177 H1, Seal Retainer 221 148 H1 and "O" Ring 285 253 R1) (2) 1001 thru 01132
2	310 700 R1	"O" RING, 6 x 6-1/4 x 1/8" (2)	7	221 177 H1	HOUSING (2) 01133 & up
3	273 045	BOLT, 1 NF x 3-1/4" (16)	8	213 371 H2	BOWL, Axle (Together with 4 Plug 220 150 H1 and 4 "O" Ring, 368 269 R1 will work for Bowl 213 371 H1)
4	18 462 R1	NUT, 1"-14 NF Esm (16)	9		PLANETARY HOUSING, (See Axle Shaft & Hub in this Section) (2)
5	190 302 H1	PLUG 1001 thru 01132	10		DIFFERENTIAL, (See Differential Carrier in this Section)
5	220 150 H1	PLUG 01133 & up	11		BRAKE, (See Brake Group in this Section) (2)
5A	9 410 359	PLUG 1001 thru 01132			
5A	9 410 361	PLUG (3) 01133 & up			
6	570 826 R1	"O" RING (2) 1001 thru 01132			

SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AXLE ASSEMBLY (Front)



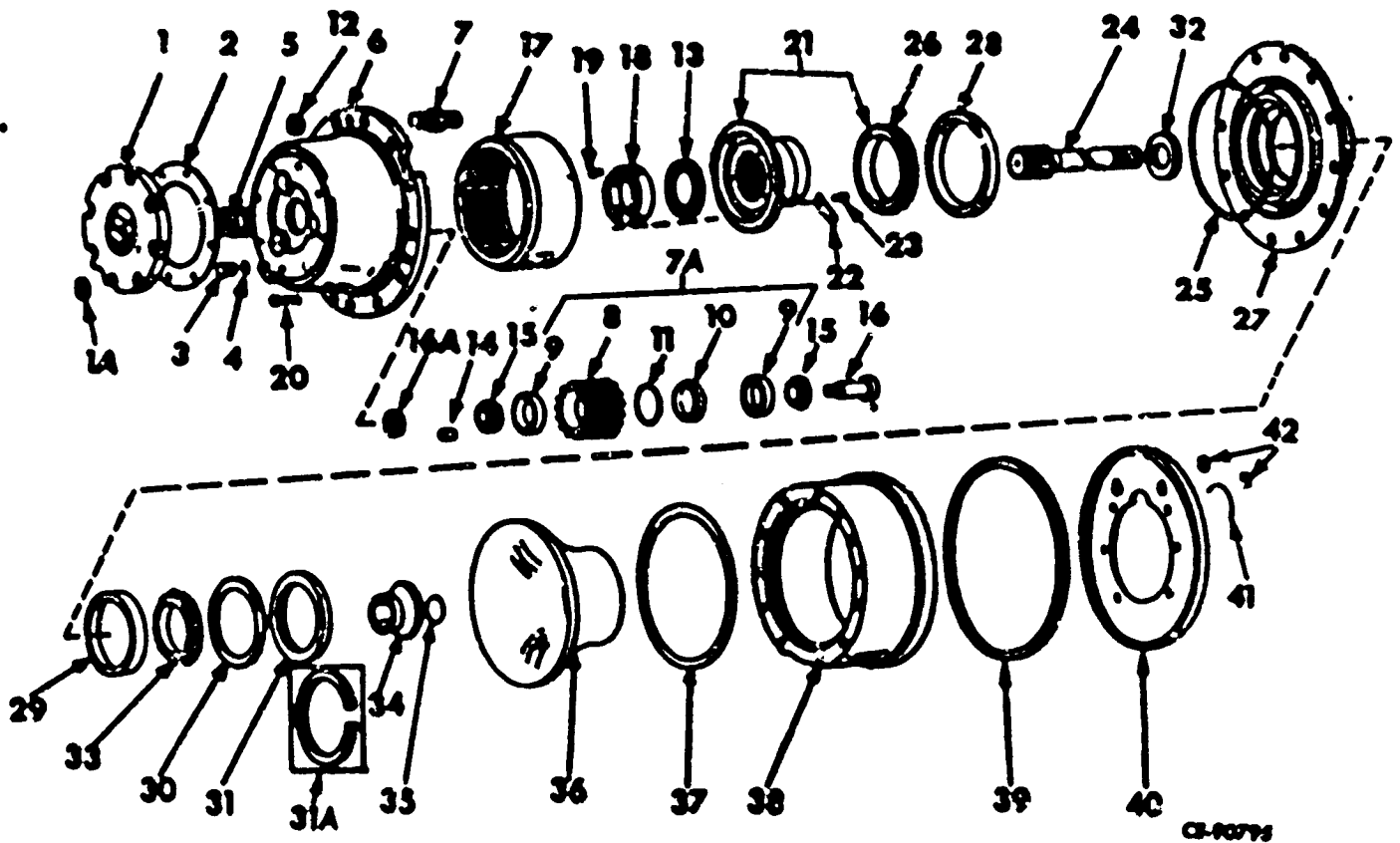
CE-90071

1	203 194 H3	AXLE ASSEMBLY (Front) 1001 thru 01132 also 01138, 01140, 01141 and 01145	3	9 410 359	PLUG
1	217 156 H3	AXLE ASSEMBLY, (Front) 01133 & up, except 01138, 01140, 01141 and 01145	4	570 828 R1	"O" RING (2)
2	203 427 H2	HOUSING, Axle (Order Housing 221 178 H1, 7 Seal Retainer 221 148 H1 and 2 "O" Ring 285 253 R1) 1001 thru 01132 also 01138, 01140, 01141 and 01145	5	190 302 H1	PLUG
			6		PLANETARY HOUSING, (See Axle Shaft & Hub in this Section) (2)
			7		DIFFERENTIAL, (See Differential Carrier in this Section)
2	221 178 H1	HOUSING, Axle 01133 & up, except 01138, 01140, 01141 and 01145	8		BRAKE, (See Brake Group in this Section) (2)

SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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AXLE SHAFT & HUB (Front & Rear)



	217 148 H1	CARRIER ASSEMBLY. (Includes Items 6, 8 thru 11, 14 thru 17, 22 & 23)		7	217 146 H2	STUD, 1" (M) (21)
1	174 048 H1	COVER, Planetary Carrier (1" Thick - 1/2" Groove) Order Cover 885 629 C1		7A	176 240 H2	PLANET GEAR & CUP ASSEMBLY. (Includes Items 8 thru 11) (3)
1	174 048 H2	COVER, Planetary Carrier (1" Thick - 1-1/16" Groove) Order Cover 885 629 C1		8	174 053 H1	PINION, Planet (3)
1	174 048 H3	COVER, Planetary Carrier (1-5/16" Thick - 1" Groove) Order Cover 885 629 C1		9	117 552 H1	CUP, Roller Bearing (6)
1	885 629 C1	PLANET COVER ASSEMBLY. (Includes Items 1 and 5)		10	175 808 H1	SPACER (3)
	887 405 C1	BOLT, (Will work for BOLT 179 839) (8)		11	175 809 H1	RING, Retaining (3)
1A	125 003 H1	WASHER, Sealing (Used with BOLT 179 839)		12	209 564 H1	NUT, 3/4" (M) (18)
2	174 049 H1	GASKET		12	217 164 H1	NUT, 1" (M) (21)
3	190 302 H1	PLUG		13	197 781 H2	SHIM, (.005) (AR)
4	570 828 R1	"O" RING		13	197 781 H2	SHIM, (.020) (AR)
5		BUTTON, Thrust (Order 885 629 C1 Cover)		13	882 046 C1	SHIM, (.050) (AR)
6	174 046 H3	CARRIER, Planet (M)		14	130 019 H1	PIN, Dowel (3)
6	217 150 H1	CARRIER, Planet (M)				
7	174 080 H1	STUD, 3/4" (M) (18)				

(M) - Rear Axle, 195 190 H3 - 1001 to 01132, Front Axle, 203 194 H3 - 1001 to 01132 also 01138, 01140, 01141 & 01145

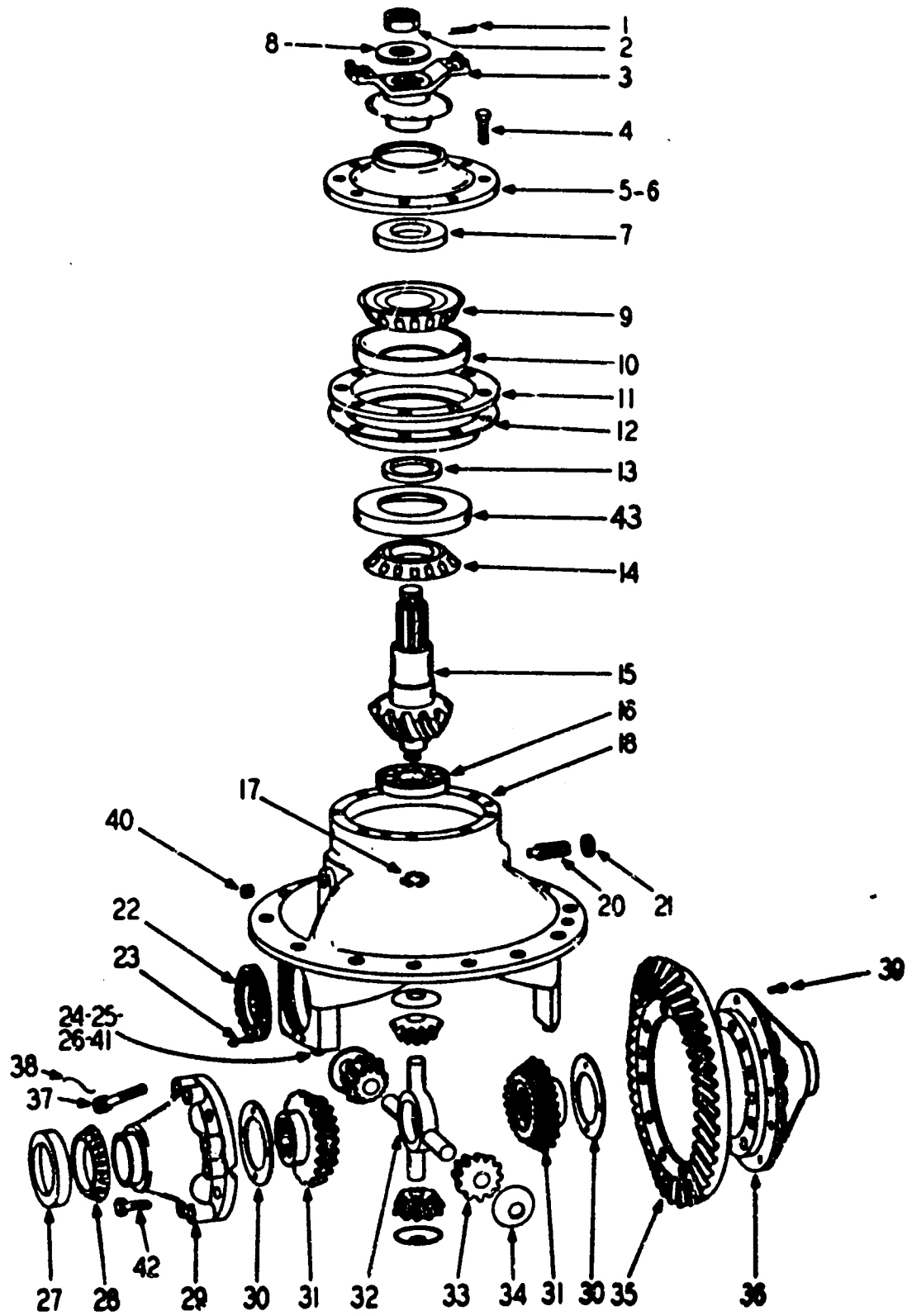
(M) - Rear Axle, 217 155 H4 - 01133 & up, Front Axle, 217 156 H3 01133 & up except 01138, 01140, 01141 and 01145

SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AXLE SHAFT & HUB (Front & Rear) - Continued					
15	175 810 H1	CONE, Roller Bearing (6)	39	174 091 H1	SEAL, Brake Drum
16	174 057 H2	SHAFT, Planet Pinion (3) Rear Axle 1001 to 01101 Front Axle 1001 to 01111	40	194 610 H1 179 837 103 321	SHIELD, (Includes Boms 41 and 42) BOLT, 3/8 NC x 3/4" (4) WASHER, Lock 3/8" (6)
	211 239 H1	SHIM, (Used with 174 057 H2 Shaft) (AR)	41	194 611 H1	SEAL, Cylinder
16	214 883 H1	SHAFT, Planet Pinion (3) Rear Axle 01102 & up Front Axle 01112 & up	42	432 607	BUTTON, Plug (2)
6A	214 882 H1	NUT (3)		876 712 C91	HUB & DRUM ASSEMBLY, (Includes Boms 7, 27 thru 31, 33, 36 thru 38) (%)
17	174 059 H3	GEAR, Ring		229 057 R1	SCREW, Cap 3/8 NF x 1" (Used with Cover, 174 048 H1) (6)
18	195 305 H1	RETAINER, (Used with Axles 195 190 H1 and 203 194 H1)		875 918 C1	SCREW, Cap 3/8 NF x 1-1/4" DH-8 (Used with Cover, 174 048 H2) (6)
	875 932 C1	SCREW, Cap 4/8 x 1-3/4" DH-#6 (6)		875 917 C1	SCREW, Cap 3/8 NF x 1-1/8" DH-8 (Used with Cover, 174 048 H3) (6)
	876 019 C1	WIRE, Lock No. 16 x 15"		876 003 C1	WIRE, Lock #16 x 5" (Used with Covers 174 048 H1, H2 & H3) (3)
18	209 324 H1	RETAINER, (Used with all axles except 195 190 H1 and 203 194 H1)		175 807 H1	PLATE, Lock (Used with Cover, 174 048 H1) (3)
19	209 325 H1	BOLT (12)		209 115 H1	PLATE, Lock (Used with Cover, 174 048 H2) (3)
20	217 144 H1	BOLT, (Used with Drum, 217 149 H3) (3)		211 245 H1	PLATE, Lock (Used with Cover 174 048 H3) (3)
21	176 239 H1	HUB W/BEARING CONE, 210 188 H1			
22	174 062 H1	PLATE, Lock (4)			
23	187 053 H1	BOLT (8)			
24	203 192 H2	SHAFT, Axle			
25	174 076 H1	RING			
26	210 188 H1	CONE, Roller Bearing			
	176 241 H4	HUB ASSEMBLY, (Includes Boms 27 thru 31 and 33) (*)			(*) - Rear Axle, 195 190 H3 - 1001 to 01132 Front Axle, 203 194 H3 - 1001 to 01132 also 01138, 01140, 01141 and 01145
	217 214 H1	HUB ASSEMBLY, (Includes Boms 27 thru 31 and 33) (%)			(%) - Rear Axle, 217 155 H4 - 01133 & up Front Axle, 217 156 H3 01133 & up except 01138, 01140, 01141 and 01145
27	174 075 H5	HUB (*)			
27	217 147 H1	HUB (%)			
28	210 187 H1	CUP			
29	210 177 H1	CUP			
30	174 098 H1	SPACER			
31	174 099 H1	SEAL			
31A	174 100 H1	RING, Retaining (Used with Wheel Hubs with retaining ring groove) (*)			
32	174 069 H1	SEAL, Oil			
33	210 178 H1	CONE, Roller Bearing			
34	221 148 H1	RETAINER, Ring (%)			
35	285 253 R1	"O" RING, 5-1/2 x 5-3/4 x 1/8" (%)			
36	174 077 H4	SCAVENGER			
37	176 215 H1	RING			
38	174 079 H2 179 884 103 323	DRUM, Brake (*) BOLT, 1/2 NC x 1-3/8" (3) WASHER, Lock 1/2" (3)			
38	217 149 H3	DRUM, Brake (%)			

SOLID AXLE

DIFFERENTIAL CARRIER (Front & Rear)



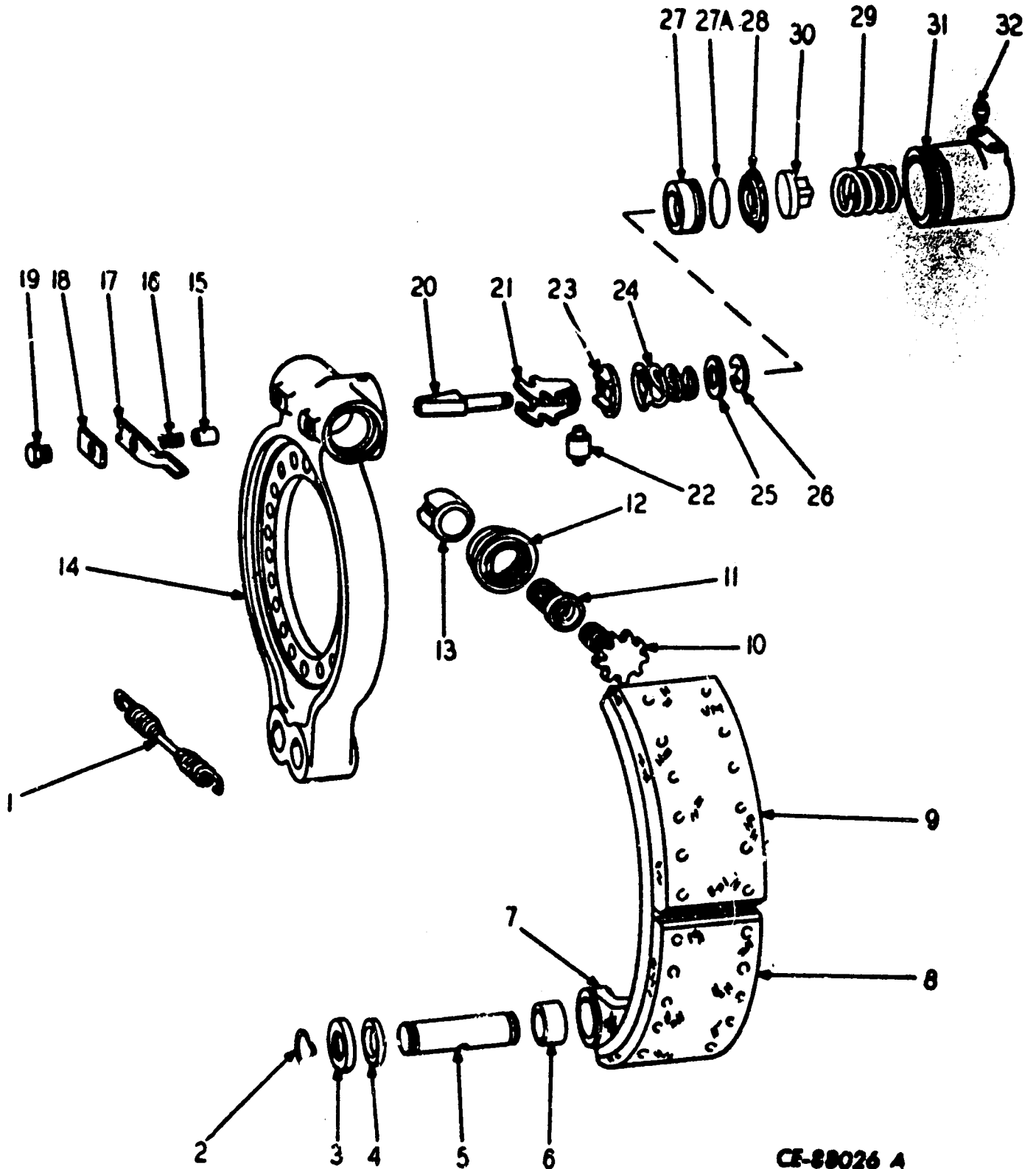
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SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
DIFFERENTIAL CARRIER (Front & Rear) - Continued					
	144 661 H1	DIFFERENTIAL CARRIER ASSY., Includes the following items	22	132 912 H1	RING, Adjusting (2)
	136 294 H1	DIFFERENTIAL & CONE ASSY., Includes 136 296 H1, 28 thru 34, 37, 38 & 43 & LW-1612	23	132 900 H1 132 780 H1 876 004 C1	LOCK, Bearing Adjusting Ring (2) SCREW, Cap (4) WIRE, Lock, Adjusting Ring Cap- screw #16 x 6" (2)
	136 296 H1	DIFFERENTIAL CASE ASSEMBLY, Includes Items 29 & 36	24		CAP, Bearing (Order 132 913 H1) (2)
	144 659 H1	GEAR & PINION SET, Includes Items 15 & 35	25	132 793 H1	DOWEL (4)
	132 913 H1	DIFFERENTIAL CARRIER & CAP ASSEMBLY, Includes Items 25 & 26	26	132 876 H1 876 019 C1	SCREW, Cap (4) WIRE, Lock #16 x 15" (2)
	136 292 H1	PINION FORWARD BEARING CAGE ASSEMBLY, Includes Items 9, 10, 11 and 14	27	132 862 H1	CUP, Differential (2)
			28	132 863 H1	CONE, Bearing (2)
			29		CASE, Plain (Order #136 296 H1)
1	103 390	COTTER	30	132 892 H1	WASHER, Thrust, Side Gear (2)
2	132 885 H1	NUT	31	132 911 H1	GEAR, Side, Differential (2)
3	136 298 H1	COMPANION YOKE & SLINGER ASSEMBLY	32	132 929 H1	SPIDER
4	340 340 R1	SCREW, Cap 1/2 NC x 1-1/2" (8)	33	132 910 H1	PINION, Differential (4)
5	136 297 H1	COVER & OIL SEAL ASSEMBLY, Includes Item 8	34	132 893 H1	WASHER, Thrust (4)
6	137 058 H1	GASKET, Cage Cover	35		DRIVE GEAR, (Order Set #144 659 H1)
7	136 277 H1	OIL SEAL ASSEMBLY	36		CASE, Flange Half (Order #136 296)
8	132 894 H1	WASHER	37	136 275 H1 21 163 R1	BOLT, Long (8) NUT, 1/2NF Gr 8 (8)
9	132 864 H1	CONE, Pinion, Outer	38	876 016 C1	WIRE, Lock (2)
10	68 875 R1	CUP, Pinion	39	132 871 H1	RIVET, Differential Drive Gear (12)
11	136 291 H1	PINION CAGE & CUP ASSEMBLY, Includes Item 10 and 43	40	9 409 949	PLUG, Oil Filler & Level 3/4"
12	132 902 H1 132 903 H1 132 901 H1	SHIM, Thin SHIM, Medium SHIM, 003	41	161 368 H1	WASHER, Special (4)
13	136 278 H1 136 279 H1 136 280 H1 136 281 H1 136 282 H1 136 283 H1 136 284 H1 136 285 H1 136 286 H1 136 287 H1 136 288 H1	SPACER, .220) SPACER, .221) SPACER, .222) SPACER, .223) SPACER, .224) SPACER, .225) As Required SPACER, .231) SPACER, .237) SPACER, .243) SPACER, .249) SPACER, .255)	42	136 276 H1 21 163 R1	BOLT, Short (4) NUT, 1/2NF Gr 8 (4)
			43	68 875 R1 132 908 H1 20 548 R1	CUP, Pinion GASKET SCREW, Cap 5/8 NC x 1-1/4" (10)
				20 661 R1	SCREW, Cap 5/8 NC x 2" (4)
				103 325	WASHER, Lock 5/8" (14))
					) Differential Carrier to Axle Bowl
14	136 299 H1	CONE, Pinion, Inner			
15		PINION, Order Set #144 659 H1			
16	137 001 H1	BEARING			
17	136 999 H1	RING, Lock			
18		CARRIER, Differential (Order 132 913 H1)			
20	881 046 C1	SCREW, Thrust			
21	132 787 H1	NUT, Adjusting Screw			

SOLID AXLE

BRAKE (Automatic Adjustment)
SN 01001 thru 01346



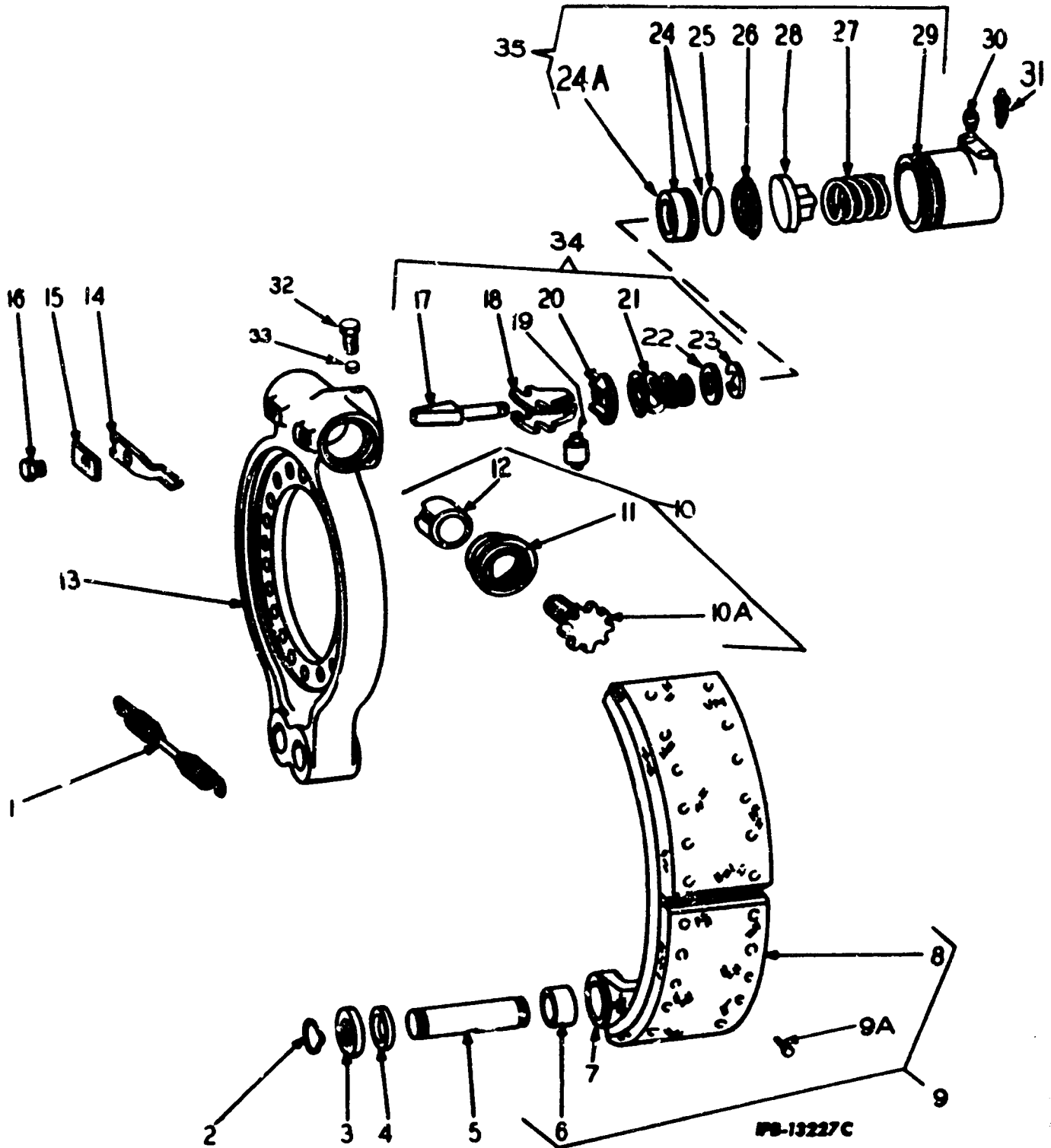
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SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE (Automatic Adjustment) - Continued SN 01001 thru 01346					
		NOTE: Quantities of Components shown below are for one brake.	24	186 612 H1	SPRING
			25	197 763 H1	WASHER
	200 962 H2	BRAKE ASSEMBLY, (Order Brake Assembly 877 304 C91) (4)	26	196 895 H1 876 304 C91	WASHER "E" WHEEL CYLINDER ASSEMBLY, Includes Items 27 thru 31 (Will work for Cylinder 201 703 H1)
	200 962 H3	BRAKE ASSEMBLY, Automotive Adjusting, Includes the following items (Order Brake Assembly 877 304 C91) (4)	27	876 299 C1	PISTON, (Colored "Silver") (Order Kit 881 465 C91)
1	154 305 H1	SPRING (2)	27	881 464 C11	PISTON, 881 464 C1 and "O" Ring, 707 253 R1 (Colored Black)
2	155 110 H1	SPRING, Retainer (4)	27A	707 253 R1	"O" RING, (Used w/ Piston 881 464 C11 or 881 464 C1)
3	155 109 H1	RETAINER (4)	27B	881 464 C1	PISTON, (Colored Black)
4	157 108 H1	FELT (4)	28	201 715 H1	CUP
5	155 107 H1 196 887 H1	PIN, Anchor (2) SHOE & LINING ASSEMBLY, Includes Items 6 thru 9 (2)	29	201 713 H1	SPRING
6	154 301 H1	BUSHING (4)	30	212 062 H1	PLUG, (Used only on 201 703 H1)
7		SHOE (Order Shoe & Lining Assembly 196 887 H1) (2)	30	876 396 C1	PLUG, (Used only on 876 304 C91)
8		LINING, Anchor End (2)) Order	31	876 308 C91	HOUSING
9		) 201 702 H1	32	186 617 H1	SEAT, Tube
		LINING, Adjustable End) Lining	33	186 619 H1	SCREW, Bleeder
		(2)) Kit (1)	34	186 621 H1	SCREW, Set
	154 304 H1 876 305 C91	RIVET (56) SPIDER ASSEMBLY, (Includes Items 10 thru 19)	35	186 222 H1 881 465 C91	PLUG KIT, Wheel Piston Repair (for Wheel Cylinder Assembly 876 304 C91) (Consists of -
10	196 882 H1	BOLT, Adjusting (2)			1 CUP 201 715 H1
11	196 881 H1	ACTUATOR, (Single Lip) (2)			1 PISTON ASSY 881 464 C11
11	615 134 C1	ACTUATOR, (Double Lip) (2)			1 PLUG 876 396 C1
12	196 879 H1	SEAL ASSEMBLY, (Used with Actuator 196 881 H1) (4)			1 SPRING 201 713 H1)
12	615 132 C1	SEAL ASSEMBLY, (Used with Actuator 876 631 C1) (4)		201 702 H1	KIT, Brake Lining (Includes 4) Linings and (60) Rivets to service two shoes) (AR)
13	196 880 H1	PLUNGER		876 789 C91	KIT, Brake Conversion, Automatic Adjustable to Manual Adjustable (Consists of -
14	205 873 H1	SPIDER, (Order 876 305 C91)			2 PLUNGER ADJ. 876 948 C1
15	186 603 H1	GUIDE, Plunger (Used with Brake 200 962 H2) (2)			2 SEAL ASSEMBLY 876 303 C91
15	196 884 H1	GUIDE, (Used with Brake 200 962 H3) (2)			2 DETENT 116 883 H1
16	196 885 H1	SPRING (2)			2 BOLT ADJ. 196 882 H1
17	196 883 H1	DETENT, Adjusting Bolt (2)			2 GUIDE, Plunger 186 603 H1
18	196 886 H1	LOCK			2 LOCK 196 886 H1
19	186 602 H1 186 603 H1	SCREW, Cap (2) GUIDE, Plunger (2)			
20	197 751 H1	WEDGE ASSEMBLY, Includes Items 21 thru 26			
21	196 891 H1	CAGE			
22	196 892 H1	ROLLER (2)			
23	197 764 H1	WASHER			

SOLID AXLE

BRAKE (Manual Adjustable)
(SN 01347 & UP)



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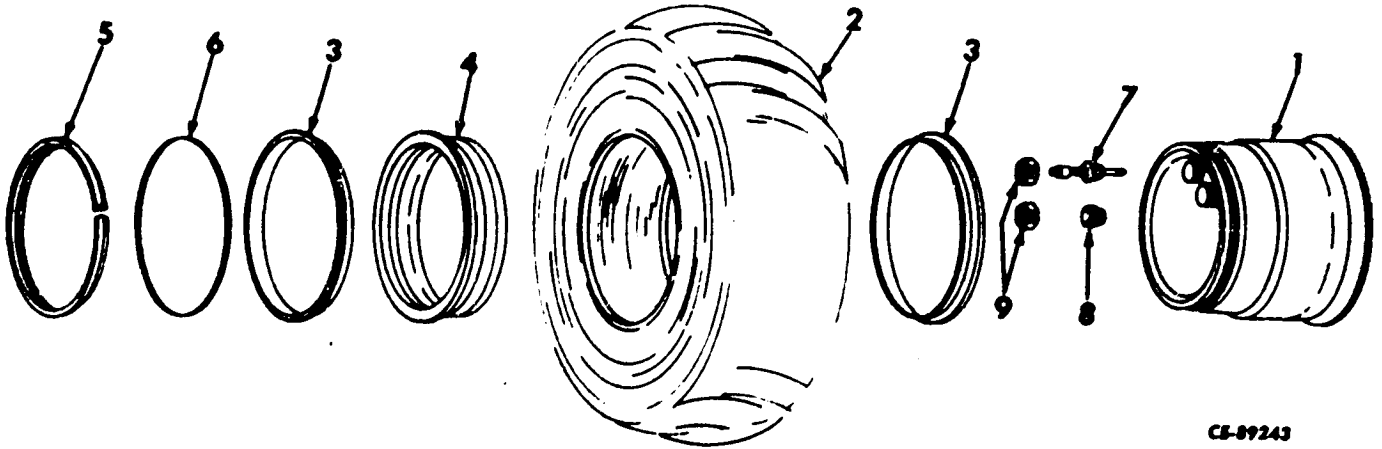
SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE (Manual Adjustment) - Continued (SN 01347 & UP)					
	877 304 C91	BRAKE, (Includes Items 1 thru 33) (2 assemblies per axle)	27	201 713 H1	SPRING
			28	876 396 C1	PLUG
	877 383 C91	PLUNGER, Adjustable Assembly (Includes Items 10 thru 12) (2)	29	876 308 C91	HOUSING, Cylinder
			30	186 617 H1	SEAT, Tube
	877 330 C91	SPIDER ASSEMBLY, (Includes Items 10 thru 16)	31	186 619 H1	SCREW, Bleeder
			32	186 621 H1	SCREW, Set
1	154 305 H1	SPRING, Return	33	186 622 H1	PLUG
2	155 110 H1	SPRING, Retainer (4)	34	197 751 H1	WEDGE ASSEMBLY
3	155 109 H1	RETAINER, Felt (4)	35	876 304 C91	WHEEL CYLINDER ASSEMBLY
4	155 108 H1	FELT (4)		881 465 C91	KIT, Wheel Cylinder Piston Repair (For Wheel Cylinder Assembly 876 304 C91) (Consists of -
5	155 107 H1	PIN, Anchor (2)		1 CUP	201 715 H1
6	154 301 H1	BUSHING (2)		1 PISTON ASSY	881 464 C11
7		SHOE, (Not Furnished Separately) (Order 196 887 H1 Shoe and Lining Assembly) (2) (2)		1 PLUG	876 396 C1
8		LINING, Anchor End (Not Furnished Separately) (Order one 201 702 H1 Brake Lining Kit) (2)		1 SPRING	201 713 H1)
9	196 887 H1	SHOE & LINING ASSEMBLY (Includes Items 6 thru 9A) (2)			
9A	154 304 H1	RIVET (52)			
10	877 383 C91	ADJUSTING PLUNGER ASSY (2)			
10A	196 882 H1	BOLT, Adjusting (2)			
11	615 132 C1	SEAL ASSEMBLY (2)			
12	876 948 C1	PLUNGER, Adjustable (2)			
13	205 873 H1	SPIDER, Brake			
14	196 883 H1	DETENT (2)			
15	196 886 H1	LOCK (2)			
16	186 603 H1	GUIDE (2)			
17		WEDGE (Not Furnished Separately) (Order 197 751 H1)			
18	196 891 H1	CAGE			
19	196 892 H1	ROLLER (2)			
20	197 764 H1	WASHER			
21	186 612 H1	SPRING			
22	197 763 H1	WASHER			
23	373 523 R1	WASHER "E"			
24	881 464 C11	PISTON, with "O" Ring 707 253 R1 (Colored Black)			
24A	876 299 C91	PISTON, (Colored Silver) (Order Kit 881 465 C91)			
24A	881 464 C1	PISTON, (Colored Black)			
25	707 253 R1	"O" RING, 1-1/2 x 1-3/4 x 1/8"			
26	201 715 H1	CUP			

SOLID AXLE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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WHEEL & MOUNTING
(For Optional Wheels. Refer to Section 14)



CS-89243

Quantities listed are for one wheel assembly

1	201 699 H2	WHEEL	5	141 255 H1	LOCKRING
2		TIRE, (Purchase Locally)	6	141 253 H1	"O" RING
3	179 937 H1	FLANGE (2)	7	206 619 H2	VALVE ASSEMBLY
4	141 254 H1	BAND, Bead Seat	8	206 620 H3	VALVE ASSEMBLY, Dummy
			9	191 848 H1	NUT (2)

SECTION 8

**STEERING
GEAR**

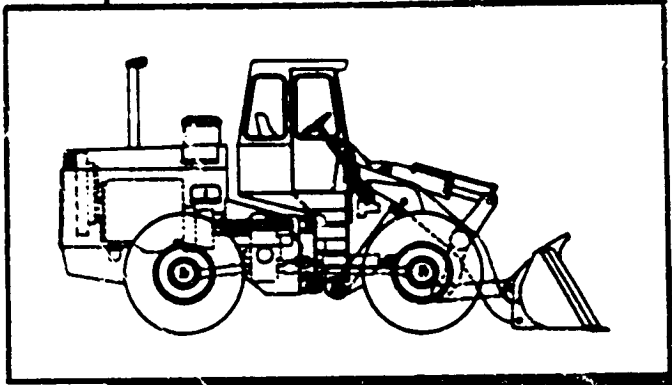


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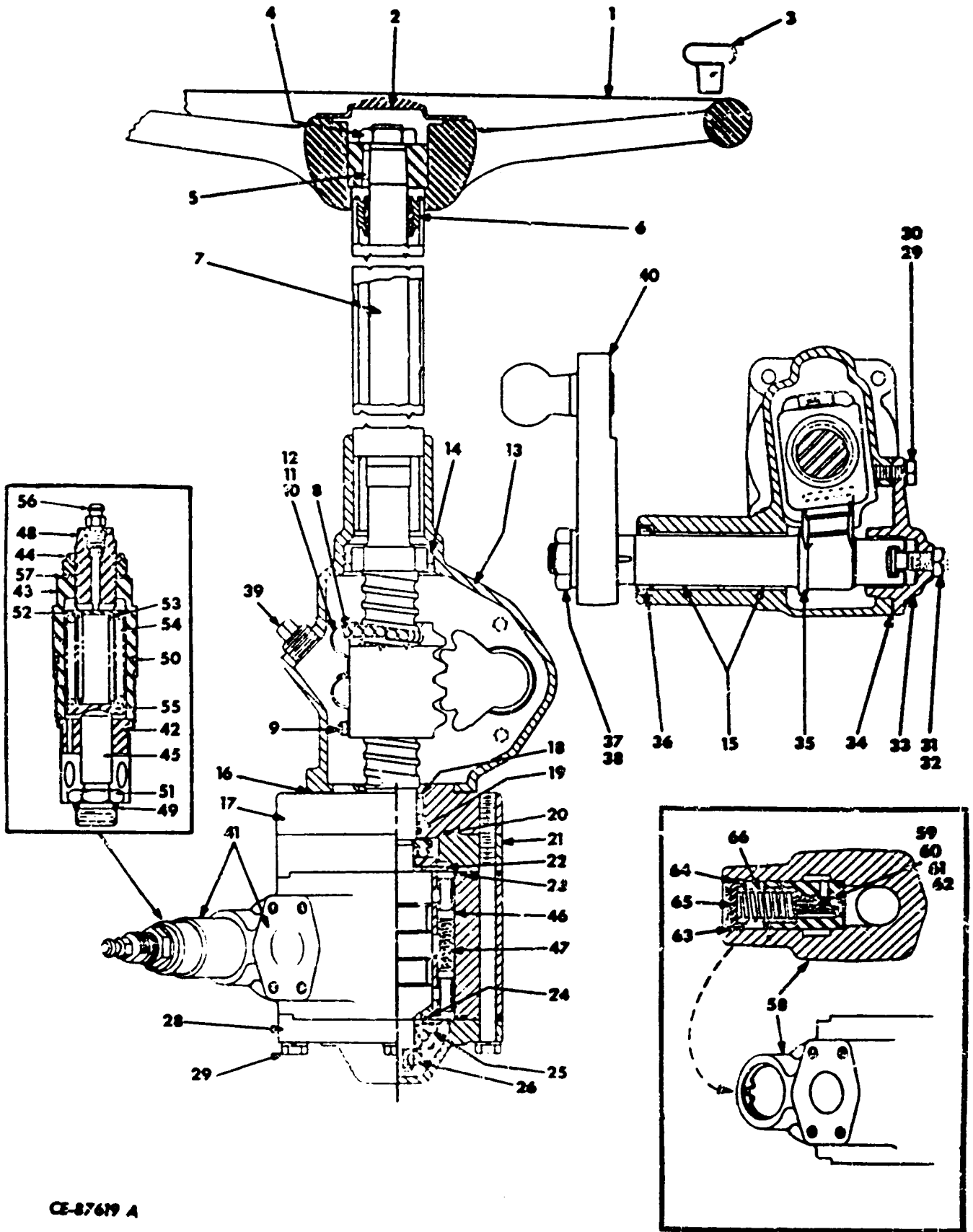
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STEERING GEAR 8-3

REFER TO ALPHABETICAL INDEX GRID A-2

STEERING GEAR

STEERING GEAR



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STEERING GEAR

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING GEAR - Continued					
1	197 192 H1	WHEEL, Steering	19	252 483 R1	"O" RING, 1-1/4 x 1-1/2 x 1/8"
2	127 741	COVER	20	254 091 R1	"O" RING, 2-3/4 x 3 x 1/8"
3	198 110 H1	KNOB, Spinner	21	183 413 H1	SPACER
	198 111 H1	BUSHING	22	177 939 H1	WASHER & PIN ASSEMBLY (2)
	181 381	SCREW, Cap, 3/8 x 2-1/2"	23	285 724 R1	"O" RING, 2-3/8 x 3-3/5 x 1/8" (2)
	103 341	WASHER, Flat, 3/8"	24	183 412 H1	"O" RING
	103 321	WASHER, Lock, 3/8"	25	158 297 H1	BEARING ASSEMBLY (2)
	114 494	NUT, 3/8"	26	158 336 H1	NUT
4	HS-923	NUT	27	183 369 H1	BOLT (4)
	153 492 H1	BRACKET, Upper		103 330	WASHER, Lock (4)
	181 370	SCREW, Cap, 3/8 x 1-1/4" (2)	28	184 657 H1	COVER
	106 263	WASHER, Flat, 3/8" (4)	29	179 837	BOLT, 3/8 x 3/4" (3)
	152 713 H1	WASHER, Lock (2)	30	103 321	WASHER, Lock, 3/8" (3)
	103 321	WASHER, Lock, 3/8" (2)	31	HS-914	ADJUSTER, Lash
	103 026	NUT, 3/8" (2)	32	272 121	NUT, 7/16" NF
	144 079 H1	"U" BOLT, Upper	33	HS-902	COVER ASSEMBLY
	144 068 H1	BLOCK	34	HS-919	GASKET
	103 321	WASHER, Lock, 3/8" (2)	35	214 085 H1	GEAR, Pitman Shaft
	102 635	NUT, 3/8" NC (2)	36	HS-925	SEAL
	104 510 H1	"U" BOLT, Lower	37	HS-929	WASHER, Lock
	103 323	WASHER, Lock, 1/2" (2)	38	HS-924	NUT
	18 452 R1	NUT, Esna 1/2" NF-20 (2)		183 411 H1	SCREW, Adapter (4)
	121 530 H1	CLAMP		WL-27	WASHER, Lock (4)
	271 637	SCREW, Cap, 3/4 NF x 2-3/4"		122 511 H1	KIT, Lash Adjuster Shim (Includes next four items)
	271 636	SCREW, Cap, 3/4 NF x 2-1/2"		HA-1440	SHIM, .063
	18 598 R1	NUT (2)		HA-1441	SHIM, .065
	211 463 H2	STEERING GEAR, Internally Mounted Valve (replaces 194 620 H2 Steering Gear) (Includes Items 5 thru 39, 46, 47 & 58 thru 66) (Order 211 463 H3)		HA-1445	SHIM, .067
	211 463 H3	STEERING GEAR, Externally Mounted Valve (replaces 211 463 H2 Steering Gear) (Includes Items 5 thru 39 & 41 thru 57)		HA-1446	SHIM, .069
5	HS-921	KEY	39	444 588	PLUG, 1/2" Pipe
6	100 181 H1	BEARING ASSEMBLY	40	194 621 H1	ARM, Pitman 1001 thru 1138
7	198 754 H1	SHAFT ASSEMBLY (Includes Items 8 thru 12)	40	183 361 H2	ARM, Pitman 1139 & up
8	NSS	BALL (106)	41	875 586 C91	VALVE ASSEMBLY, (External) (replaces 214 080 H1) (Used with Steering Gear 211 463 H3) (Includes Control Valve Housing, Spool, 2 Balls and Items 42 thru 57)
9	NSS	BOLT & WASHER (3)		214 082 H1	PLUG, Housing (2)
10	107 941 H1	CLAMP	*42	875 588 C1	GUIDE, Plunger Relief Valve
11	107 942 H1	GUIDE, Ball Return (4)	*43	875 589 C1	HOUSING, Relief Valve
12	107 943 H1	NUT	*44	20 630 R1	NUT, Hex Lock
13	198 750 H1	HOUSING ASSEMBLY, (Includes Items 14 & 15)	*45	875 590 C1	PLUNGER, Relief Valve
14	158 299 H1	BEARING			
15	HS-904	BUSHING (2)			
16	HS-916	GASKET			
17	183 366 H1	ADAPTER ASSEMBLY, (Includes Items 18 & 19)			
18	158 296 H1	BEARING			

* - Used with Steering Gear 211 463 H3.

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
STEERING GEAR - Continued			MEMORANDA		
*+46	163 415 H1	PLUNGER, Valve (4)			
*+47	183 418 H1	SPRING, Centering (2)			
*48	676 119 C1	SCREW, R. V. Adjust			
*49	570 828 R1	"O" RING, .644 x .811 x .087			
*50	252 483 R1	"O" RING, 1-1/4 x 1-1/2 x 1/8"			
*51	875 592 C1	SEAT, Plunger Relief Valve			
*52	875 593 C1	SEAT, Spring Relief Valve			
*53	875 594 C1	SPRING, R. V. Inner			
*54	375 595 C1	SPRING, R. V. Outer			
*55	875 596 C1	WASHER, Snub, R. V.			
*56	876 120 C1	SCREW, Bleeder			
*57	876 121 C1	WASHER, R. V. Seal			
58	214 080 H1	VALVE ASSEMBLY, (Internal) (replaces 198 755 H1) (Used with Steering Gear 194 620 H2 and 211 463 H2) (Order Valve Assembly 875 586 C91)			
	214 082 H1	PLUG, Housing (2)			
+59	194 616 H1	BALL & STEM ASSEMBLY			
+60	194 617 H1	SPRING			
+61	194 618 H1	PLUG, Restricting			
+62	194 619 H1	PLUG, Assembly			
+63	189 834 H1	RING, Retaining			
+64	183 416 H1	"O" RING			
+65	189 833 H1	FLUG			
+66	183 419 H1	SPRING			

* - Used with Steering Gear
211 463 H3.

+ - Used with Steering Gear
194 620 H2 or 211 463 H2.

SECTION 9

LINKAGE

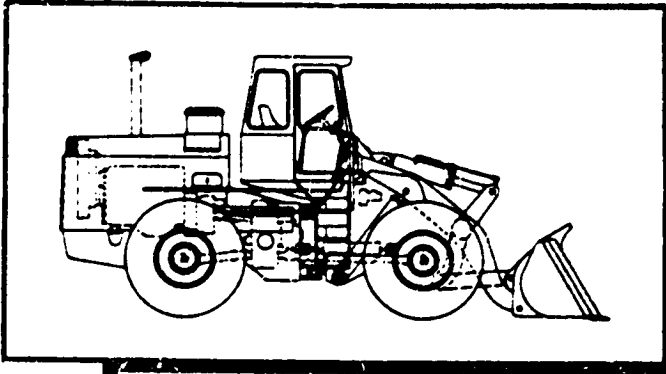
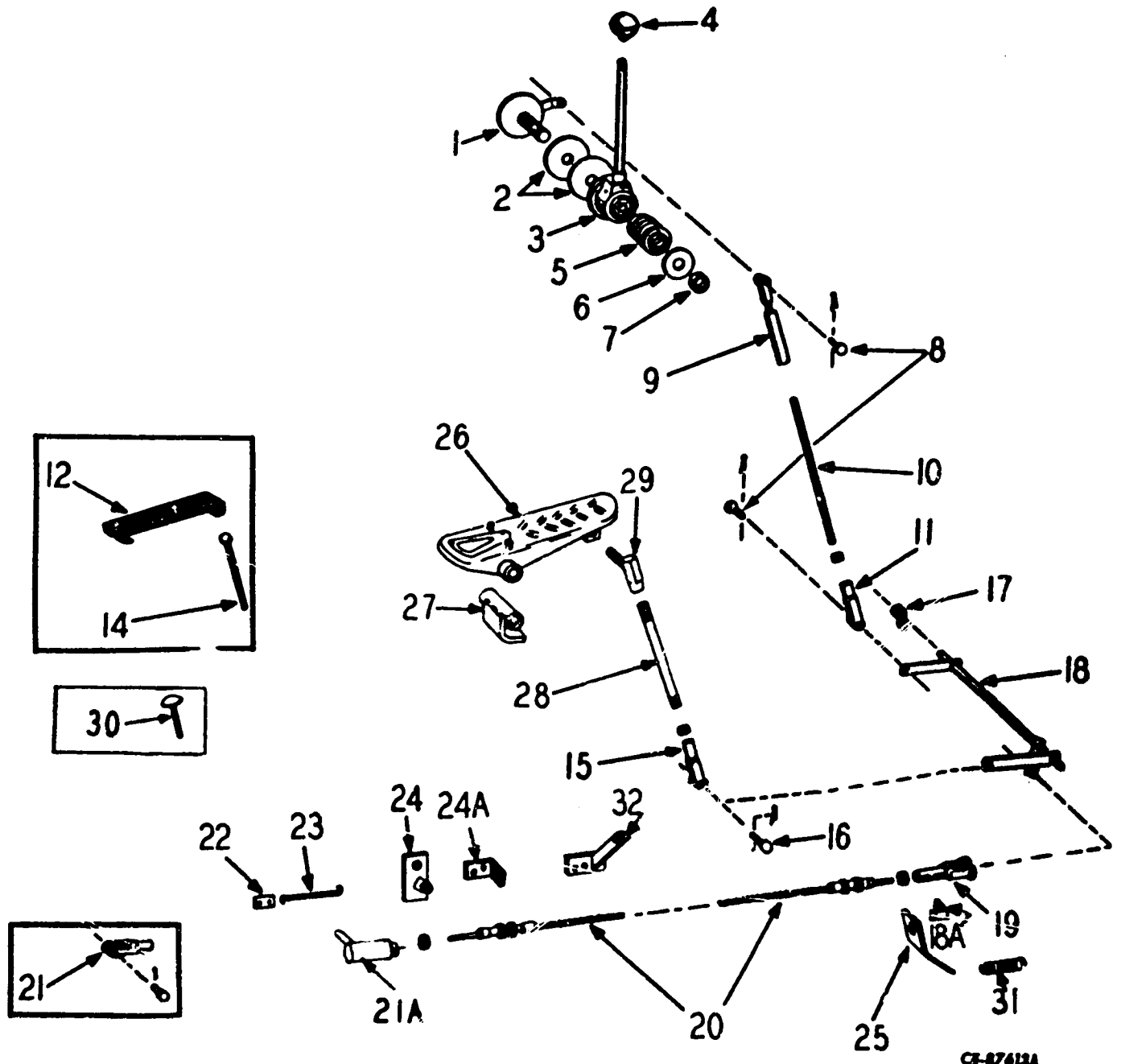


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ACCELERATOR LINKAGE



REF. NO.	PART NUMBER	DESCRIPTION
ACCELERATOR LINKAGE - Continued		
1	125 098 HI	SHAFT
2	100 651 HI	DBC, Friction (2)
3	214 606 HI	LEVER
4	HL-3343	KNOS
5	100 650 HI	SPRING
6	113 694 HI	WASHER, Lock
7	103 028	NUT, Hex 1/2" NF
8	114 783	PIN (2)
9	109 046 HI	TUBE
10	196 380 H2 103 025	SHAFT, Throttle NUT, Hex 5/16" NF
11	104 037	CLEVIS, 5/16"
12	134 202 HI	PEDAL ASSEMBLY, (Order Pedal 875 853 C91, Ball Joint 150 394 HI, Nut 19 503 R1, Rod 130 594 HI, and Nut 114 493) 1001 thru 01345
	181 313	SCREW, Cap 1/4 NF x 3/4" (2)
	103 319	WASHER, Lock 1/4" (2)
	103 024	NUT, Hex 1/4" NF (2)
14	196 424 HI	PIN, Accelerator Pedal (Used with Pedal 134 202 HI) 1001 thru 01345
	103 025	NUT, 5/16" (Used with Pedal 134 202 HI) 1001 thru 01345
	114 493	NUT, 5/16" (Used with Pedal 875 853 C91) 01346 & up
15	104 037	CLEVIS, 5/16"
16	114 784	PIN
17	165 126 HI 164 263 HI 181 314	BEARING (Order Bearing 894 389 C1) (2) BUSHING (Order Bearing 894 389 C1) (2) SCREW, Cap 1/4 NF x 7/8" (4)) Bearing
	103 319	WASHER, Lock 1/4" (4)) Mounting
	103 024	NUT, Hex 1/4" (4))
17	894 389 C1	BEARING (2)
18	196 427 HI	SHAFT, Cross IH & Cummins 1001 thru 01085 Detroit Diesel 1001 thru 01072
18	211 608 H2	SHAFT, Cross IH & Cummins 01086 & up Detroit Diesel 01073 & up
18A	150 689 HI	CLIP, Cable to Rear Manifold IH & Cummins 01086 & up Detroit Diesel 01073 & up
	181 311	SCREW, Cap 1/4 NF x 5/8") Clip to
	106 261	WASHER, Lock 1/4") Manifold
	103 024	NUT, Hex 1/4" NF) Mounting
	181 374	SCREW, Cap (*)) Pedal Stop S/N
	103 026	NUT (*)) Listed Below Cummins 01085 & up

REF. NO.	PART NUMBER	DESCRIPTION
ACCELERATOR LINKAGE - Continued		
		I.H. 01085 thru 01274 except 01261, 01264, 01271, 01272 and 01273
		Detroit Diesel 01073 & up
19	104 037	CLEVIS, I.H. & Cummins 1001 thru 01085 Detroit Diesel 1001 thru 01072
19	165 253 HI	CLEVIS, I.H. & Cummins Engine 01086 & up Detroit Diesel 01073 & up
	114 784	PIN
	103 024	NUT, Hex 1/4" NF (2)
20	196 804 HI	CABLE, Control I.H. & Cummins 1001 thru 01085 (Order the following - CABLE 212 619 HI BRACKET 211 995 HI CLIP 150 889 HI STRAP 139 017 HI LUG 211 818 HI CLEVIS YOKE 165 253 HI)
20	196 950 HI	CABLE, Control Detroit Diesel 1001 thru 01072 (Order the following - CABLE 211 994 HI BRACKET 211 995 HI CLIP 150 889 HI STRAP 139 017 HI LUG 211 818 HI CLEVIS YOKE 165 253 HI BALL JOINT 211 952 HI NUT 103 024 LOCKWASHER 101 320
20	212 619 HI	CABLE, Control (Used on Cummins Engine) 01086 & up
20	212 619 HI	CABLE, Control (#) (Used on I.H. Engine with "R. D." Injection Pump) 01086 thru 01274 except 01261, 01264, 01271, 01272, and 01273
20	211 994 HI	CABLE, Control (Used on Detroit Diesel) 01073 & up
20	211 993 HI	CABLE, Control (*) (Used on I.H. Engine with Rocca-Master Injection Pump) 01275 & up, also 01261, 01264, 01271, 01272, and 01273
21	104 037	CLEVIS 1001 thru 1085
	114 785	PIN & COTTER 1001 thru 1095
		(*) - Part of Chassis Kit 875 651 C91 (See Section 2)
		(#) - Used only when Chassis Kit 875 651 C91 is not used (See Section 2)

LINKAGE

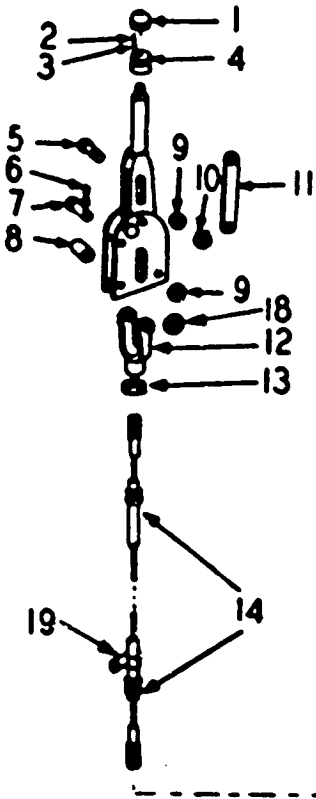
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ACCELERATOR LINKAGE - Continued			ACCELERATOR LINKAGE - Continued		
21	165 253 H1	CLEVIS (#) Cummins 01086 & up L.H. Engine 01086 thru 01274 except 01261, 01264, 01271, 01272, and 01273	26	875 853 C91	PEDAL ACCELERATOR 01346 & up
21A	158 396 H1	JOINT, Ball) Detroit Diesel 1001 thru 1073	181 313	SCREW, Cap 1/4 NF x 3/4" (2)	) Pedal Mounting
	103 325	NUT, Hex 5/16" NF) Detroit Diesel	103 319	WASHER, Lock 1/4" (2)	
21A	281 800 C92	JOINT, Ball) Detroit Diesel 01074 & up	103 024	NUT, Hex (2)	) Used with Pedal 875 853
	875 409 C1	WASHER) Detroit Diesel	27	875 857 C1		HINGE )
21A	281 800 C92	JOINT, Ball (*)) L.H. Engine 01275 & up, also 01261, 01264, 01271, 01272, and 01273	103 024	NUT, Hex 1/4" NF (2)	) BUSHING (2)
	875 509 C1	WASHER) L.H. Engine	370 686 R1	BUSHING (2)	
22	HA-932	CLIP, L.H. Engines 01086 & up	303 491 R1	PIN	) Jam
22	165 152 H2	CLIP, Detroit Diesel	143 606 H1	PIN, Roll	
23	117 256 H1	SPRING, Throttle (Used on L.H. and Cummins Engine)	28	130 596 H1	ROD)
23	157 756 H1	SPRING, Throttle (Used on Detroit Diesel)	114 493	NUT, Jam 5/16" NF	) 19 503 R1
24	196 457 H1	BRACKET, L.H. 1001 thru 1085	29	158 396 H1		JOINT, Ball )
24	211 996 H1	BRACKET, (#) L.H. Engine 1086 thru 01274 except 01261, 01264, 01271, 01272 and 01273	30	154 022 H1	FOOT,) L.H. & Cummins Rest) SN 1001 thru 1085
24	210 021 H1	BRACKET, Cable Support - Detroit Diesel 1001 thru 01073	114 494	NUT,) Detroit Jam) 1001 thru 1073	) 31
24A	212 000 H1	BRACKET, Cable Support - Detroit Diesel 01074 & up	219 059 H1	SPRING	
	179 795	SCREW, Cap 1/4 NC x 3/4" (2)	32	877 559 C1	BRACKET CABLE SUPPORT)
	103 319	WASHER, Lock 1/4" (2)	475 988 R1	SPACER )	) 01380 & up)
25	203 278 H1	BRACKET, Throttle Cable Front I.H. & Cummins 1001 thru 1085 Detroit Diesel 1001 thru 01073	181 333	BOLTS, 5/16NF x 5/8" (2) - Bracket Mounting	
25	211 995 H2	BRACKET, Throttle Cable Front - I.H. & Cummins 01086 & up Detroit Diesel 01074 & up	103 320	WASHER, Lock 5/16" (2) - Bracket Mounting	) Cummins Engine
	174 415 H1	CLAMP, Attachment to Muffler Clamp	152 881 H1	CLAMP, Cable Support	
	181 309	SCREW, Cap 1/4 NF x) 1/2") Cable to	181 364	SCREW, Cap 3/8NF x 1")	
	103 024	NUT, Hex 1/4" NF) Clamp	103 026	NUT, Hex 3/8" NF)	
	103 319	WASHER, Lock 1/4")	103 321	WASHER, Lock 3/8")	
	139 017 H1	STRAP, Cable to Hose - I.H. & Cummins 01085 & up Detroit Diesel 01074 & up			

(* - Part of Chassis Kit 875 651 C91
(See Section 2)

() - Used only when Chassis Kit
875 651 C91 is not used (See
Section 2)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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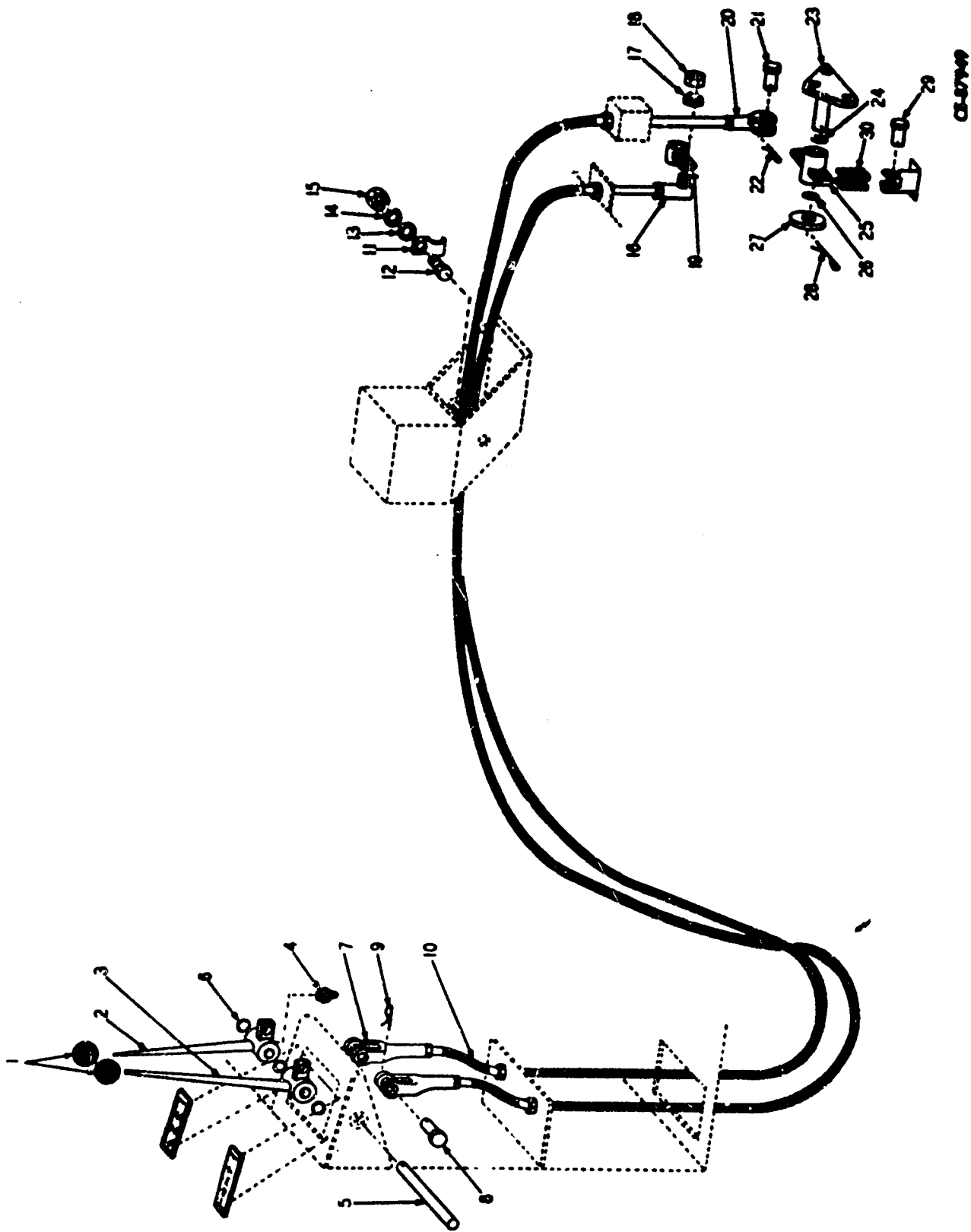
PARKING BRAKE LINKAGE



	115 086 H1	PARKING BRAKE LEVER ASSEMBLY (Includes Items 1 thru 11)
	179 847	3/8 NC x 2" cap SCREW (2)
	103 321	3/8" lock WASHER (2)
1	160 925 H1	CAP
2	160 932 H1	SPRING
3	16 008 R1	BALL, Chrome Steel GR 3
4	160 926 H1	BASE
5	150 742 H1	PIN
6	103 373	PIN, 3/32 x 3/4" Cotter
7	104 497 R2	PIN
8	134 704 H1	SPACER (2)
9	103 340	WASHER, 5/16" Flat (2)
10	392 320 R1	RING, Retaining
11	173 775 H1	LINK
12	104 037	CLEVIS, 5/16"
13	114 493	NUT, 5/16" NF Jam
14	884 364 C1	CABLE
15	114 494	NUT, 3/8" NF Jam
16	104 038	CLEVIS, 3/8"
17	114 785	PIN
18	615 031 R1	WASHER, Flat (4)
19	180 329 H1	CLAMP, Cable to Manifold

LINKAGE

GEARSHIFT LINKAGE (Cable Control)

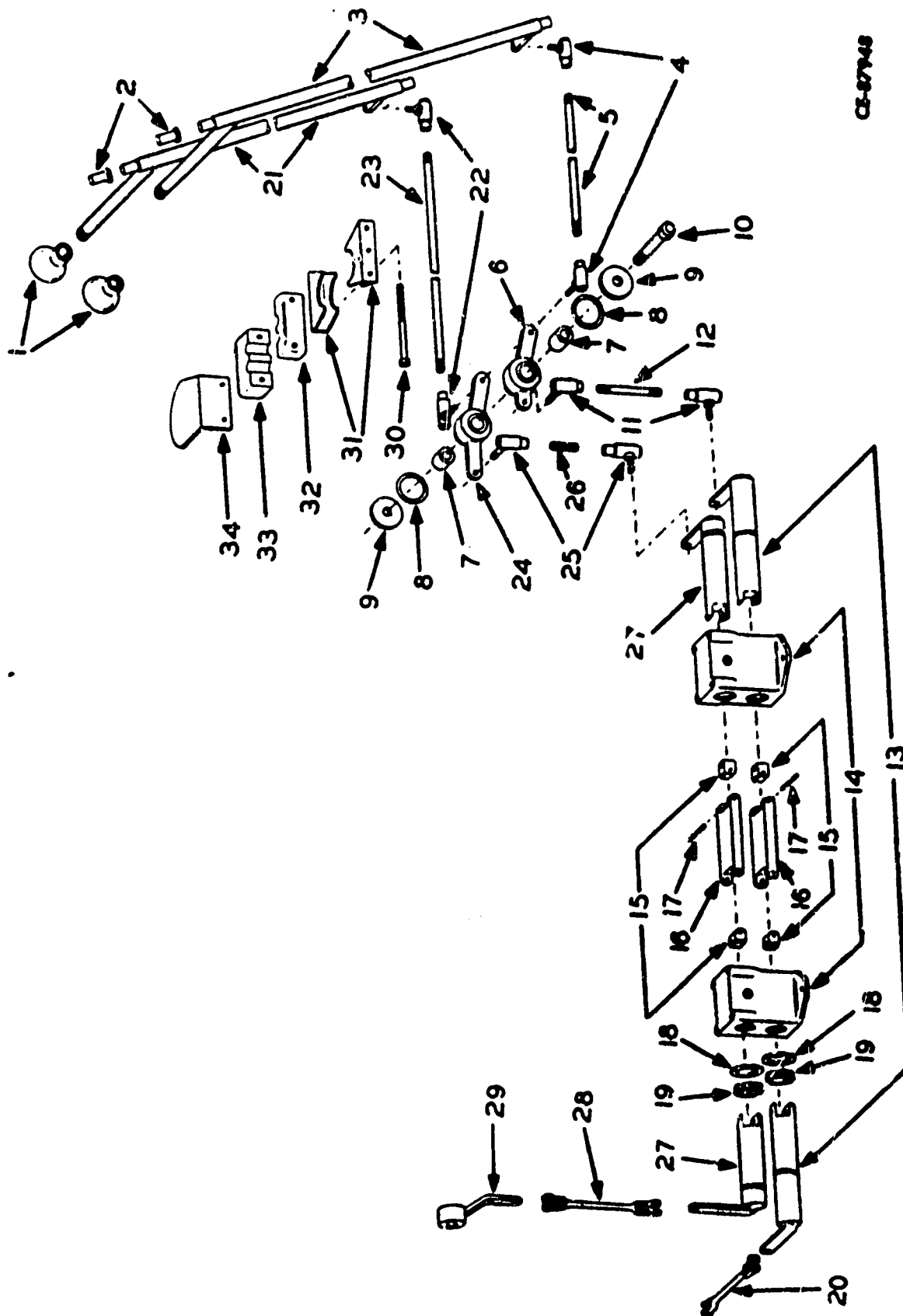


E-11

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
GEARSHIFT LINKAGE - Continued (Cable Control)					
		NOTE: Machines equipped with a Transmission Cable Control Kit 216 070 H1, refer to "Gearshift Linkage (Transmission Cable Control Kit)" in this Section	29	114 787	PIN, Yoke (2)
			30	153 996 H1	LINK (2)
1	HL-3343	KNOB (2)			
2	214 111 H1	LEVER, Forward & Reverse (Includes two - 144 244 H1 Bushings)			
3	214 113 H1 144 244 H1	LEVER, Range (Includes two 144 244 H1 Bushings) BUSHING (4)			
4	109 462	FITTING, Grease			
5	213 835 H1 181 348 19 503 R1	PIN SCREW, Cap 5/16 NF x 2-1/2" NUT, 5/16 NF x 24" Eena			
6	293 739 R1	"O" RING, 1-3/8 x 1-5/8 x 1/8" (3)			
7	104 037	YOKE, End 5/16" (2)			
8	114 784	PIN, Yoke 3/8" (2)			
9	103 372	PIN, Cotter (2)			
10	213 356 H1	CABLE, Control (2)			
11	143 142 H1	CLAMP, Fitted to Front Hydraulic Manifold (2)			
12	181 319	SCREW, Cap 1/4 NF x 1-1/2" (2)			
13	106 261	WASHER, Flat 1/4" (2)			
14	103 319	WASHER, Lock 1/4" (2)			
15	103 024	NUT, 1/4" NF (2)			
16	158 396 H1	BALL JOINT, Range Shift			
17	103 320	WASHER, Lock 5/16"			
18	103 025	NUT, Hex 5/16" NF			
19	214 188 H1	LEVER			
20	104 037	YOKE END, Forward & Reverse Shift 5/16"			
21	124 771 H1	PIN, Yoke			
22	103 372	PIN, Cotter 3/32 x 1/2"			
23	124 198 H1 179 845 214 192 H1	SUPPORT, to Transmission SCREW, Cap - Support to Transmission (3) SPACER, Between Support & Transmission Cover (3)			
24	307 915 R1	"O" RING, 1.475 x 1.711 x .118 - Between Support & Bellcrank			
25	214 193 H1 144 244 H1	BELLCRANK, (Includes two Bush- ings, 144 244 H1) BUSHING (2)			
26	307 915 R1	"O" RING, 1.475 x 1.711 x .118 - Between Flatwasher & Bellcrank			
27	103 348	WASHER, Flat 1"			
28	103 397	PIN, Cotter 5/32 x 1-1/4"			

GEARSHIFT LINKAGE
(Mechanical Control)

CE-577948



GEARSHIFT LINKAGE - Continued
(Mechanical Control)

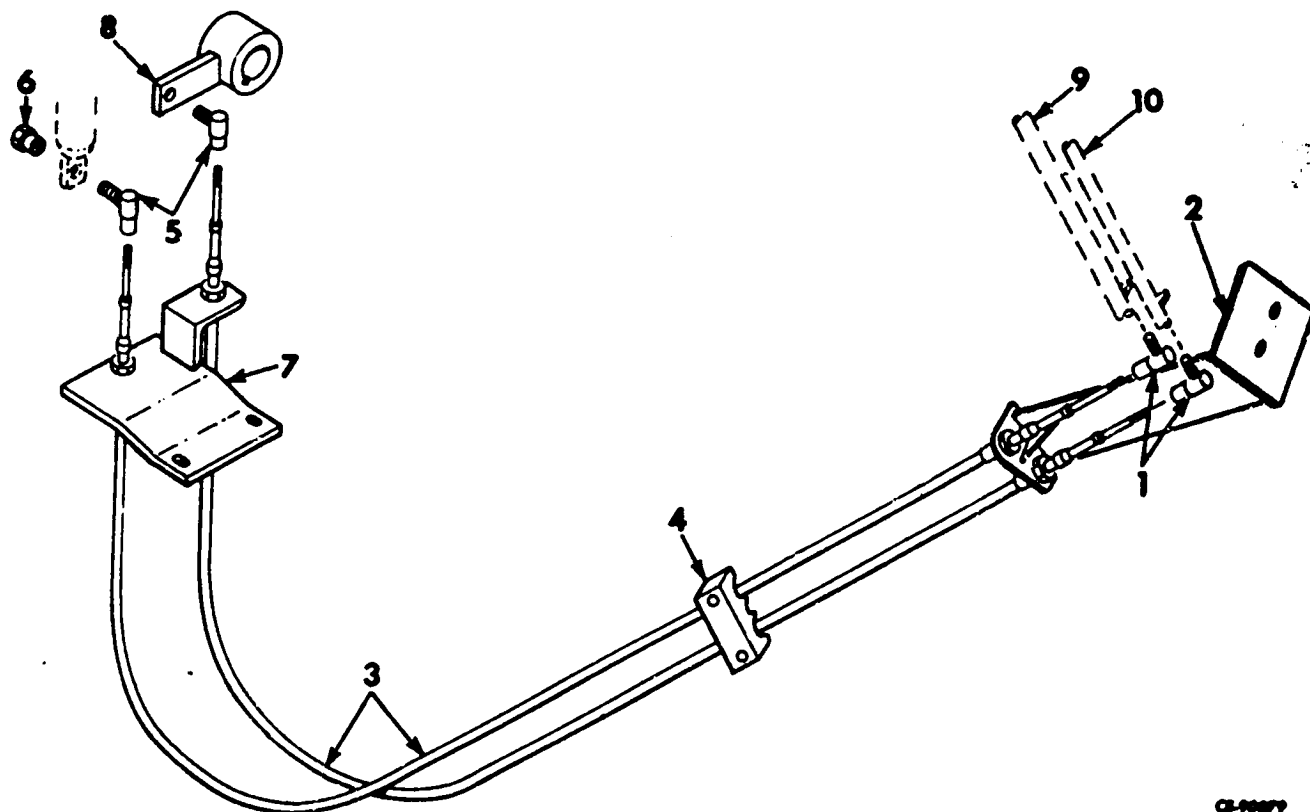
REF. PART NO.	DESCRIPTION	REF. PART NO.	DESCRIPTION
1	HL-3343	28	ROD, Non-Adjustable Clevis PIN (2)
2	196 743 HI	29	LEVER
3	201 828 HI	30	SCREW, Cap (4) NUT, Hex 5/16"-24LT (4) NUT, Jam 5/16" NF (4)
4	158 397 HI	31	CLAMP, Saddle (4)
5	196 745 HI	32	BLOCK, Bearing (2)
6	196 023 HI	33	BLOCK, Bearing (2) PLATE, Lower Saddle Clamp
7	176 947 HI	34	QUADRANT
8	22 288 R1	35	ROD, Threaded
9	176 948 HI	36	LUG (2)
10	186 336	37	BOLT (4) & 210 287 HI Nut (4)
	103 323	38	SHAFT & LUG, Connect (2)
	103 028	39	RING, Retaining (2)
	109 462	40	THRUST, Race (2)
11	158 397 HI	41	ROD, Non-Adjustable Clevis PIN
	103 321	42	BAR, Center (2)
	103 026		
	103 321		
	181 374		
	181 370		
	100 461		
14	199 032 HI		
	103 026		
	103 321		
	181 374		
	181 370		
	100 461		
	109 462		
	103 028		
	103 323		
	103 026		
12	143 712 HI		
	ROD		
13	199 035 HI		
	SHAFT & LUG CONNECT (4)		
	114 787		
	114 785		
14	199 032 HI		
	BLOCK, Mounting (Front & Rear) (2)		
	FITTING, Grease (2)		
	SCREW, Cap 3/8 NF x 1-1/2" (8)		
	SCREW, Cap 3/8 NF x 1-1/2" (4)		
	WASHER, Lock 3/8" (4)		
	NUT, Hex 1/2" NF (4)		
15	199 024 HI		
	LUG (4)		
16	199 023 HI		
	BAR, Center (2)		
17	210 286 HI		
	BOLT (8)		
18	199 038 HI		
	RACE, Thrust (4)		
19	199 037 HI		
	RING, Retaining (4)		
20	195 920 HI		
	ROD, Non-Adjustable Clevis PIN, (At Shaft & Lug Weldment)		
	114 785		
	114 787		
21	201 827 HI		
	LEVER, Range		
22	158 397 HI		
	JOINT, Ball (2)		
	103 321		
	103 026		
	WASHER, Lock 3/8" (2)		
	NUT, Hex 3/8" NF (4)		
23	196 745 HI		
	ROD, Threaded		
24	197 586 HI		
	BELT CRANK, (Includes next item)		
	144 244 HI		
	BUSHING (2)		
25	158 597 HI		
	JOINT, Ball (2)		
	103 321		
	103 026		
	WASHER, Lock 3/8" (2)		
	NUT, Hex 3/8" NF (4)		
26	115 833 HI		
	ROD, Threaded		
27	199 026 HI		
	SHAFT & LUG, Connect (2)		

NOTE: To convert Gearshift Linkage
(Mechanical Control) to Gear-
shift Linkage (Cable Control)
Order Transmission Cable
Control Kit 216 070 HI shown
in this section.

LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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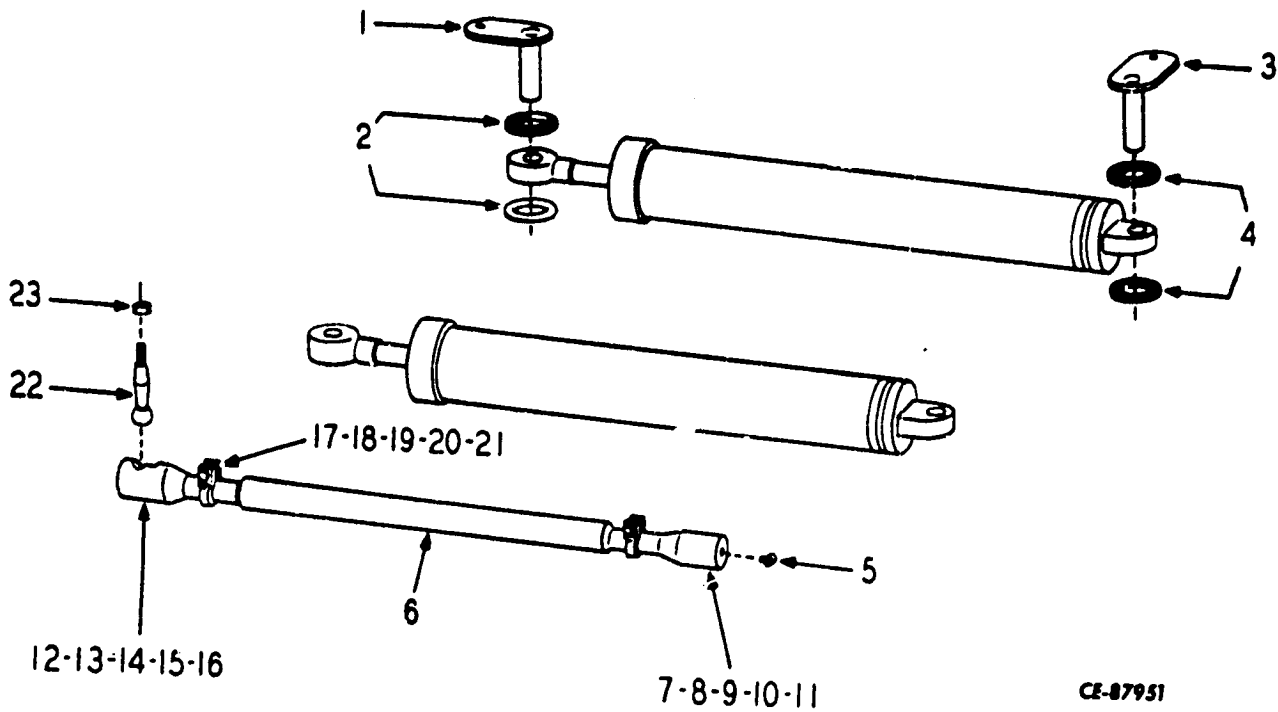
GEARSHIFT LINKAGE
(Transmission Cable Control Kit)



	216 070 HI	TRANSMISSION CABLE CONTROL KIT, (Includes the following parts)		8	214 400 HI	LEVER
1	158 396 HI	BALL JOINT (2)		9		LEVER, Forward & Reverse (Order Lever 201 828 HI and Rework Drwg 214 798 HI)
	79 051 R1	NUT, Eana 5/16" NF-24 (2)		-		
2	214 402 HI	BRACKET		10		LEVER, Range (See "Gearshift Linkage (Mechanical Control)" in this section)
	181 431	SCREW, Cap 1/2 NF x 1-1/2" (2)	} Support			
	106 265	WASHER, Lock 1/2" (2)	} Mounting			
	103 028	WASHER, Lock 1/2" (2)	} to Front			
		NUT, Hex 1/2" NF (2)	} Main Frame			
3	214 885 HI	CABLE (2)			181 364	SCREW, Cap 3/8 NF x 1" (2)
4	192 912 HI	CLAMP, Cables to Rear Frame (2)			103 321	WASHER, Lock 3/8" (2)
	178 802 HI	CAP			103 321	WASHER, Flat 3/8" (2)
	181 325	SCREW, Cap 1/4 NF x 2-1/2" (2)	} Center Cable		103 026	NUT, Hex 3/8" NF (2)
	103 319	WASHER, Lock 1/4" (2)	} Support			
	103 024	NUT, 1/4" NF (2)	} Mounting			
5	158 396 HI	BALL JOINT (2)			214 797 HI	INSTALLATION DRAWING
6	214 391 HI	ADAPTER			214 407 HI	REWORK DRAWING, Front Frame
	103 323	WASHER, Lock 1/2"			214 393 HI	REWORK DRAWING, Support
	106 261	WASHER, Flat 1/4"			214 798 HI	REWORK DRAWING, Lever
7	214 668 HI	SUPPORT				
	S-1610	SCREW, Cap (2)	} Support			
	106 263	WASHER, Flat 3/8" (2)	} Mounting			
	103 321	WASHER, Lock 3/8" (2)	} Support			
	103 026	NUT, Hex 3/8" NF	} Mounting			

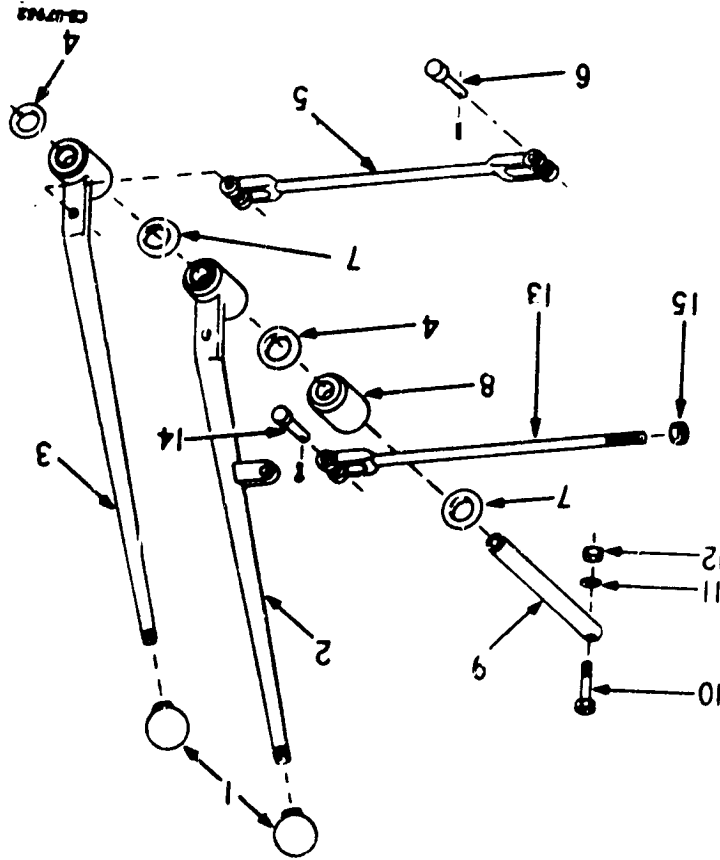
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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STEERING LINKAGE



1	199 263 H1 181 426 106265 103323	PINLOCK, Cyl. to Rear Frame (2) SCREW, Cap 1/2 NF x 7/8" (2) WASHER, Flat 1/2" (2) WASHER, Lock 1/2" (2)	11	146 631 H1	SEAT
2	181 613 H1	RING, Cord (4)	12	167 071 H1	SOCKET, Ball, L. H., Includes Items 12 thru 15
3	199 265 H1 181 426 106 265 103 323	PINLOCK, Cyl. to Front Frame (2) SCREW, Cap 1/2 NF x 7/8" (2) WASHER, Flat 1/2" (2) WASHER, Lock 1/2" (2)	13	146 634 H1	PLUG
4	181 613 H1	RING, Cord (4)	14	148 911 H1	SEAT (2)
5	109 461	FITTING, Grease (2)	15	146 632 H1	SPRING
6	195 418 H1	ROD	16	146 631 H1	GUIDE
7	167 070 H1	SOCKET, Ball, R.H. Thd., Includes Items 7 thru 10	17	138 926 H1	CLAMP, Includes Items 18 thru 21 (2)
8	146 634 H1	PLUG	18	138 925 H1	CLAMP
9	138 911 H1	SEAT (2)	19	103 028	NUT, Hex 1/2" NF
10	146 632 H1	SPRING	20	103 323	WASHER, Lock 1/2"
			21	181 436	SCREW, Cap 1/2 NF x 2-1/4"
			22	177 259 H1	STUD, Ball, Rear Frame
			23	18 558 R1	NUT, Esna 3/4"-16 NF

REF. NO.	PART NUMBER	DESCRIPTION
1	HL-3343	KNOB (2)
2	197 166 H2	LEVER, Bucket Control (includes Bushing 144 243 H1)
	144 243 H1	BUSHING (2)
	109 454	FITTING, Grease
3	197 163 H1	LEVER BOOM CONTROL
	144 243 H1	BUSHING (2)
	109 454	FITTING, Grease
4	293 739 H1	"O" RING, 1-3/8 x 1-5/8 x 1/8" (2)
5	197 160 H1	ROD (2)
6	114 787	PIN, Clevis (4)
7	293 739 H1	"O" RING, 1-3/8 x 1-5/8 x 1-1/8" (2)
8	197 576 H1	SPACER
9	197 149 H1	PIN
10	181 349	SCREW, Cap 5/16 NF x 2-1/2"
11	103 320	WASHER, Lock 3/16"
12	103 025	NUT, Hex 5/16" NF
13	208 925 H1	ROD
14	114 785	PIN, Yoke
15	17 234 R1	NUT, Hex 3/8" x 24 NF



VALVE CONTROL LINKAGE

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

SECTION 10

HYDRAULIC LINES & FITTINGS

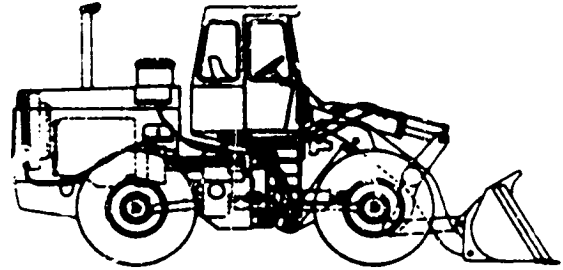


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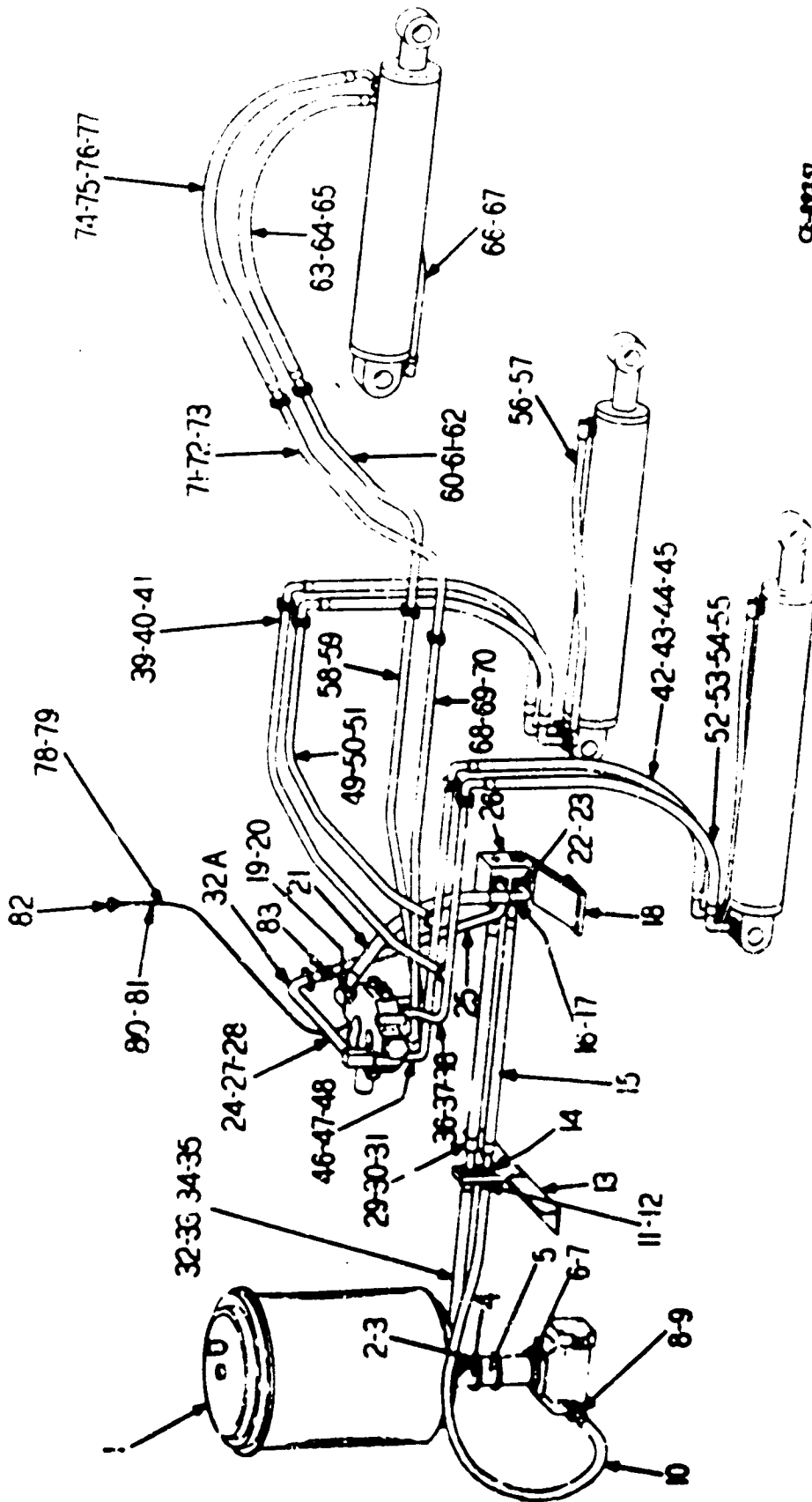
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BOOM & BUCKET LINES (Detroit Diesel)	10-7
TORQUE CONVERTER LINES	10-13
HYDRAULIC STEERING LINES	10-11

REFER TO ALPHABETICAL INDEX GRID A-3

HYDRAULIC LINES & FITTINGS

BOOM & BUCKET LINES (IHC & Cummins)



CS-89357

HYDRAULIC LINES & FITTINGS

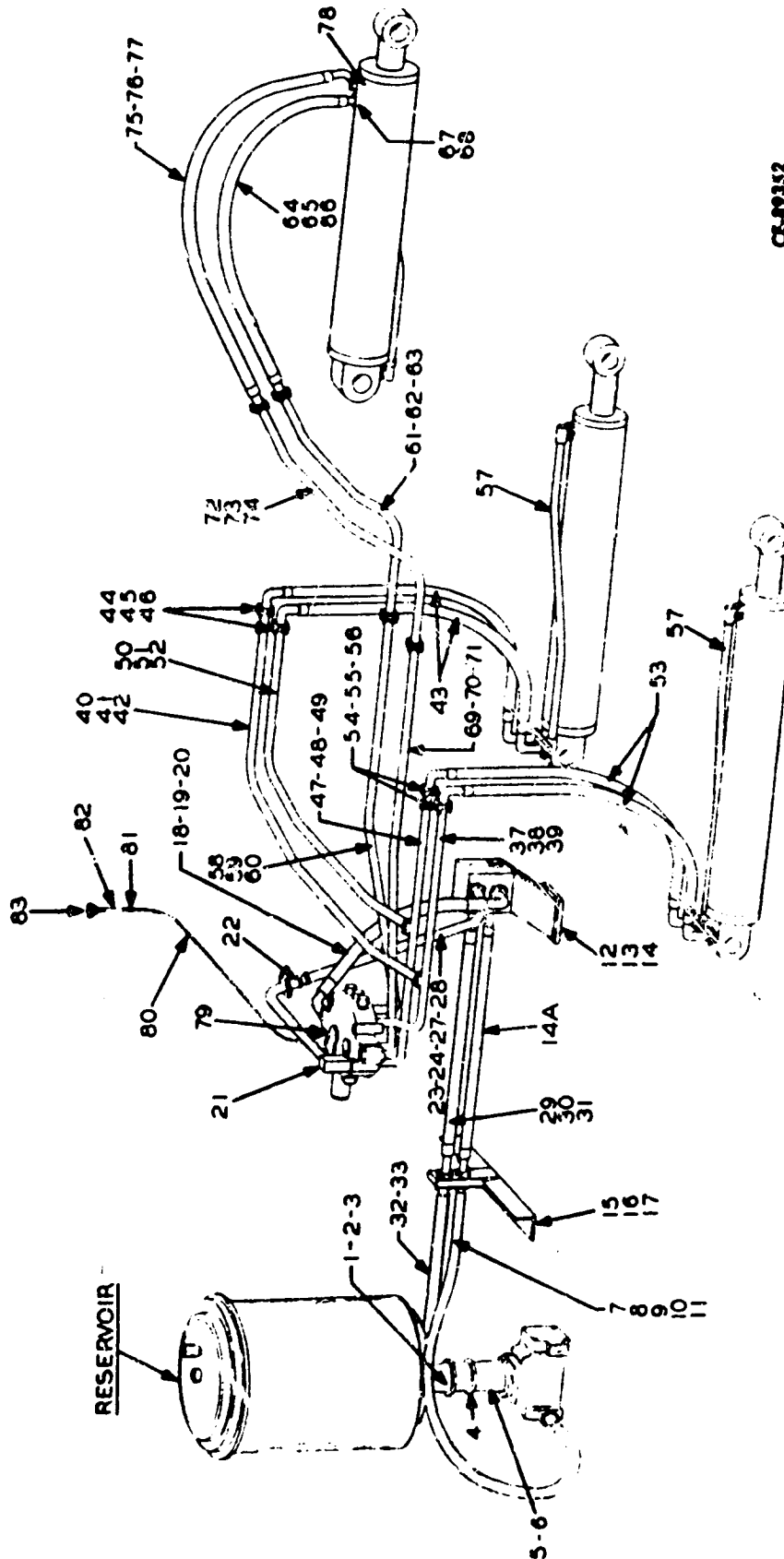
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM & BUCKET LINES - Continued (IHC & Cummins)					
		LINE-RESERVOIR TO PUMP-SUCTION	23	215 013 H1 179 887	CLAMP, Split Flange (2) SCREW, Cap 1/2 NF x 1-3/4" (4)
1		RESERVOIR (See Section 11)			
2	876 085 C1	"O" RING, 5-3/8 x 5-5/8 x 1/8"			LINE-VALVE TO RESERVOIR
3	199 116 H1	ELBOW, Reservoir End		876 075 C1	"O" RING, 2 x 2-1/4 x 1/8"
4	198 455 H1 271 563 103 325	CLAMP, Split Flange (2) SCREW, Cap 5/8 NC x) Elbow 2-1/4" (4)) to WASHER, Lock 5/8" (4)) Reservoir	24	202 962 H1 181 427 103 323	TUBE ASSEMBLY SCREW, Cap 1/2 NF x 1" WASHER, Lock 1/2"
5	195 927 H4 204 149 H2 204 150 H2 204 151 H1 877 231 C1 877 230 C1	COUPLING, Elbow to Elbow (Includes next 5 items) COUPLING (2) SEAL ASSEMBLY SLEEVE SEAL ASSEMBLY (Replaces 212 630 H1) RETAINER	25	203 306 H3 181 319 103 319 106 261	TUBE SCREW, Cap 1/4 NF x 1-1/2" (2) WASHER, Lock 1/4" (2) WASHER, Flat 1/4" (2)
6	199 115 H1	ELBOW, Pump End	26	161 749 H1	BLIND, Flange
7	876 083 C1 271 562 103 325	"O" RING, 4-3/8 x 4-5/8 x 1/8" SCREW, Cap 5/8 NC x) Elbow 2" (4)) to WASHER, Lock 5/8" (4)) Pump	27	876 077 C1	"O" RING, 2-1/4 x 2-1/2 x 1/8" (3)
		LINE-PUMP TO VALVE-HI-PRESSURE	28	215 014 H1 179 885	CLAMP, Split Flange (6) SCREW, Cap 1/2 NC x 1-1/2" (12)
8	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"	29	198 422 H1	HOSE ASSEMBLY
9	215 013 H1 179 887	CLAMP, Split Flange (2) SCREW, Cap - Hose to Pump 1/2 NC x 1-3/4" (4)	30	876 077 C1	"O" RING (2)
10	198 569 H3	HOSE	31	215 014 H1 181 443 103 028	CLAMP, Split Flange (4) SCREW, Cap 1/2 NF x 3-1/4" (4) NUT, Hex 1/2" NF (4)
11	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"	32	198 772 H1 209 335 H1 219 093 H1 209 331 H1 186 309 103 321 103 026 181 427 103 323 103 028	TUBE, Return (Rear) PLATE ANGLE CLAMP (2) SCREW, Cap 3/8 NF x 3-1/4" (2) WASHER, Lock 3/8" (2) NUT, Hex 3/8" (2) SCREW, Cap 1/2 NF x 1" WASHER, Lock 1/2" NUT, Hex 1/2" NF
12	215 013 H1 181 443 103 028	CLAMP, Split Flange (4) SCREW, Cap - Hose to Manifold Plate 1/2 NF x 3-1/4" (4) NUT, Hex 1/2" NF (4)	32A	196 091 H4 180 707 H2 180 708 H2 192 680 H1 877 202 C1 877 203 C1	COUPLING, 90° (Includes next 5 items) COUPLING (2) SEAL ASSEMBLY ELBOW SEAL ASSEMBLY, (Replaces 212 633 H1) WASHER
13	198 427 H2	MANIFOLD PLATE	33	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8"
13	198 427 H3 271 585 103 325	MANIFOLD PLATE (w/Plug Receptacle) SCREW, Cap 5/8 NF x 1-3/4" (4) WASHER, Lock 5/8" (4)	34	183 059 H1	PLUG, Flange
14	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"	35	128 542 H1 179 861 103 322	CLAMP, Split Flange (2) SCREW, Cap 7/16 NC x 1-3/8" (4) WASHER, Lock 7/16" (4)
15	198 423 H1	HOSE, Manifold Plate to Manifold Block			LINE-VALVE TO CYLINDER BOOM RAISE
16	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"	36	875 029 C1	TUBE, 01242 & up
17	215 013 H1 179 885	CLAMP, Split Flange (2) SCREW, Cap 1/2 NC x 1-1/2" (4)	36	196 092 H1	TUBE ASSEMBLY, 117GH-1001 thru 1241
18	198 432 H3 181 431 103 323 106 265	MANIFOLD BLOCK SCREW, Cap 1/2 NF x 1-1/2" (4) WASHER, Lock 1/2" (4) WASHER, Flat 1/2" (4)	37	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8"
19	876 074 C1	"O" RING, 1-7/8 x 2-1/2 x 1/8"	38	128 542 H1 179 862 103 322	CLAMP, Split Flange (2) SCREW, Cap 7/16 NC x 1-1/2" (4) WASHER, Lock 7/16" (4)
20	215 013 H1 179 885	CLAMP, Split Flange (2) SCREW, Cap 1/2 NC x 1-1/2" (4)	39	196 093 H1	PIPE, Cross
21	198 568 H3	HOSE ASSEMBLY			
22	876 074 C1	"O" RING, 1-7/8 x 2-1/2 x 1/8"			

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM & BUCKET LINES - Continued (IHC & Cummins)			MEMORANDA		
30	153 482 H1 9 410 057	FITTING, Bulkhead NUI			
81	203 794 H1	HOSE			
82	205 495 H1	GAUGE			
CLAMPS					
196 876 H1		CLAMP (4))
181 437		SCREW, Cap 1/2 NF x 1-1/2" (2))
103 323		WASHER, Flat 1/2" (4)			) Tube
18 452 R1		NUT, 1/2"-20 NF Esna (2)			) Assem-
153 676 H1		"U" BOLT (4)			) blies
106 263		WASHER, Flat 3/8" (8))
18 423 R1		NUT, Esna 3/8" NC-16 (8))
153 675 H1		SPACER (2))
153 676 H1		"U" BOLT (4)			) Cross-
106 263		WASHER, Flat 3/8" (8)			) pipes
18 423 R1		NUT, Esna 3/8" NC-16 (8))
177 690 H1		CLAMP (4))
181 436		SCREW, Cap 1/2 NF x 2-1/4" (2)			) Boom) Cylinder
103 323		WASHER, Flat 1/2" (8)			) Lines
454 522 R1		NUT, 1/2"-13 NC Esna (2))
VALVE TO RESERVOIR					
83	177 665 H4	COUPLING, Tube to Tube (Includes next 5 items)			
	180 707 H2	COUPLING (2)			
	180 708 H2	SEAL			
	130 709 H1	SLEEVE			
	877 202 C1	SEAL ASSEMBLY, (Replaces 272 663 H1)			
	877 203 C1	WASHER			

HYDRAULIC LINES & FITTINGS

BOOM & BUCKET LINES (Detroit Diesel)



CE-89352

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM & BUCKET LINES - Continued (Detroit Diesel)					
LINE-RESERVOIR TO PUMP-SUCTION			LINE-VALVE TO RESERVOIR		
1	876 085 C1	"O" RING, 5-3/8 x 5-5/8 x 1/8"	21	202 962 H1	TUBE ASSEMBLY
2	198 764 H1	ELBOW, Reservoir End		876 075 C1	"O" RING, 2 x 2-1/4 x 1/8"
3	198 455 H1	CLAMP, Split Flange (2)		181 427	SCREW, Cap 1/2 x 1" NF
	271 563	SCREW, Cap 5/8 NC x 2-1/4" (4)) Elbow		133 323	WASHER, Lock 1/2"
	103 325	WASHER, Lock 5/8" (4)) Reservoir	22	177 655 H4	COUPLING, (Includes next 5 items)
4	195 927 H4	COUPLING, (Includes next 5 items)		189 707 H2	COUPLING (2)
	204 149 H2	COUPLING (2)		180 708 H2	SEAL ASSEMBLY
	204 150 H2	SEAL ASSEMBLY		180 709 H1	SLEEVE
	204 151 H1	SLEEVE		877 202 C1	SEAL, Assembly (Replace 212 633 H1) (2)
	877 231 C1	SEAL ASSEMBLY, (Replace 212 630 H1)		877 203 C1	WASHER
	877 230 C1	RETAINER	23	203 306 H3	TUBE
5	199 113 H1	ELBOW		181 319	SCREW, Cap 1/4 NF x 1-1/2" (2)
6	876 083 C1	"O" RING, 4-3/8 x 4-5/8 x 1/8" (4)		103 319	WASHER, Lock 1/4" (2)
	271 562	SCREW, Cap 5/8 NC x 2" (4)) Elbow		106 261	WASHER, Flat 1/4" (2)
	103 325	WASHER, Lock 5/8" (4)) Pump	24	161 749 H1	BLIND FLANGE
LINE-PUMP TO VALVE-HIGH PRESSURE			27	876 077 C1	"O" RING, 2-1/4 x 2-1/2 x 1/8" (3)
7	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"	28	215 014 H1	CLAMP (6)
8	215 013 H1	CLAMP, Split Flange (2)		179 885	SCREW, Cap 1/2 NC x 1-1/2 (12)
	179 887	SCREW, Cap 1/2 NC x 1-3/4" (4)	29	198 422 H1	HOSE ASSEMBLY
9	202 989 H1	HOSE ASSEMBLY	30	876 077 C1	"O" RING, 2-1/4 x 2-1/2 x 1/8" (2)
10	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"	31	215 014 H1	CLAMP (4)
11	215 013 H1	CLAMP (4)		181 443	SCREW, Cap 1/2 NF x 3-1/4" (4)
	181 443	SCREW, Cap 1/2 NF x 3-1/4" (4)		103 028	NUT, Hex 1/2" NF (4)
	103 028	NUT, Hex 1/2" NF (4)	32	198 772 H1	TUBE, Return - Rear
12	198 432 H3	BLOCK, Manifold, Front Frame		209 335 H1	PLATE
	181 431	SCREW, Cap 1/2 NF x 1-1/2" (4)) Block		219 093 H1	ANGLE
	103 323	WASHER, Lock 1/2" (4)) Attaching		209 331 H1	CLAMP (2)
	106 265	WASHER, Flat 1/2" (4))		186 309	SCREW, Cap 3/8 NF x 2-1/4" (2)
13	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"		103 321	WASHER, Lock 3/8" (2)
14	215 013 H1	CLAMP (2)		103 026	NUT, Hex 3/8" (2)
	179 885	SCREW, Cap 1/2 NC x 1-1/2" (4) - Hose to Manifold Block		181 427	SCREW, Cap 1/2 NF x 1"
14A	198 423 H1	HOSE - Manifold Plate to Manifold Block		103 323	WASHER, Lock 1/2"
15	198 427 H2	PLATE, Manifold		103 028	NUT, Hex 1/2"
15	198 427 H3	PLATE, Manifold (w/Plug Receptacle)	33	196 091 H4	COUPLING, (Includes the next 5 items)
	271 585	SCREW, Cap 5/8 NF x 1-3/4" (4)		180 707 H2	COUPLING (2)
	103 325	WASHER, Lock 5/8" (4)		180 708 H2	SEAL ASSEMBLY
16	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"		192 680 H1	ELBOW
17	215 013 H1	CLAMP (2)		877 202 C1	SEAL, Assembly (Replaced 212 633 H1)
	179 885	SCREW, Cap 1/2 NC x 1-1/2" (4)		877 203 C1	WASHER
18	198 568 H3	HOSE ASSEMBLY	LINE-VALVE TO CYLINDER BOOM RAISE		
19	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"	37	875 029 C1	TUBE ASSEMBLY, S/N 01242 & up
20	215 013 H1	CLAMP (2)		196 092 H1	TUBE ASSEMBLY, S/N 1001 thru 01241
	179 887	SCREW, Cap 1/2 NC x 1-3/4" (4)	38	376 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8"
			39	128 542 H1	CLAMP, Split Flange (Used with Tube Assembly 196 092 H1) (2)
				179 861	SCREW, Cap 7/16 NC x 1-3/8" (4)
				103 322	WASHER, Lock 7/16" (4)
			40	196 093 H1	CROSS PIPE (Not used on machines equipped with Seat Suspension "Air Type" Kit)
			40	885 245 C1	TUBE (Used on machines equipped with Seat Suspension "Air Type" Kit)

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BOOM & BUCKET LINES - Continued (Detroit Diesel)					
41	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8"	59	875 027 C1	TUBE ASSEMBLY, S/N 01242 & up
42	128 542 H1 179 862 103 322	CLAMP, Split Flange (2) SCREW, Cap 7/16 NC x 1-3/8" (4) WASHER, Lock 7/16" (4)	60	128 542 H1 179 862 103 322	CLAMP, Split Flange (Used with Tube Assembly 196 094 C1) (2) SCREW, Cap 7/16 NC x 1-1/2" (4) WASHER, Lock 7/16" (4)
43	197 997 H3	HOSE (2)			
44	153 680 H1	PLATE, Connector (2)	61	196 033 H1	TUBE ASSEMBLY
45	876 071 C1	"O" RING, 1-5/16 x 1-9/16 x 1/8" (6)	62	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"
46	115 706 H1 181 377 103 321 103 026 179 841 103 321	CLAMP, Split Flange (12) SCREW, Cap 3/8 NF x 1-3/4" (8)) Hose to WASHER, Lock 3/8" (8)) Tube NUT, Hex 3/8" NF (8)) SCREW, Cap 3/8 NC x 1-1/4" (8)) to WASHER, Lock 3/8" (8)) Cylinder	63	215 013 H1 181 436 103 323 103 028	CLAMP, (Used only w/196 096 H1 Tube Assembly) (2) SCREW, Cap 1/2 NF x 2-1/4" (4) WASHER, Lock 1/2" (4) NUT, Hex 1/2" NF (4)
		LINE-VALVE TO CYLINDER-BOOM LOWER	64	196 032 H2	HOSE
47	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8"	65	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8" (2)
48	196 094 H1	TUBE ASSEMBLY, S/N 1001 thru 01241	66	128 542 H1 179 862 103 322	CLAMP, Split Flange (4) SCREW, Cap 7/16 NC x 1-1/2" (8) WASHER, Lock 7/16" (8)
48	875 030 C1	TUBE ASSEMBLY, S/N 01242 & up	67	194 220 H1	TUBE ASSEMBLY
49	128 542 H1 179 862 103 322	CLAMP, Split Flange (2) SCREW, Cap 7/16 NC x 1-1/2" (4) WASHER, Lock 7/16" (4)	68	876 072 C1 179 862 103 322	"O" RING, 1-1/2 x 1-3/4 x 1/8" SCREW, Cap 7/16 NC x 1-1/2" (4) WASHER, Lock 7/16" (4)
50	196 095 H1	CROSS PIPE (Not used on machines equipped with Seat Suspension "Air Type" Kit)			LINE-VALVE TO CYLINDER-BUCKET DUMP
50	885 244 C1	TUBE (Used on machines equipped with Seat Suspension "Air Type" Kit)	69	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8"
51	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8"	70	196 097 H1	TUBE ASSEMBLY, S/N 1001 thru 01157
52	128 542 H1 179 862 103 322	CLAMP, Split Flange (Used with Tube Assembly 196 094 H1) (2) SCREW, Cap 7/16 NC x 1-1/2" (4) WASHER, Lock 7/16" (4)	70	221 384 H1	TUBE ASSEMBLY, S/N 01158 thru 01241
53	197 997 H3	HOSE (2)	70	875 028 C1	TUBE ASSEMBLY, S/N 01242 & up
54	153 680 H1	PLATE, Connector (4)	71	128 542 H1 179 862 103 322	CLAMP, Split Flange (2) SCREW, Cap 7/16 NC x 1-1/2" (4) WASHER, Lock 7/16" (4)
55	876 071 C1	"O" RING (10)	72	177 686 H1	TUBE ASSEMBLY
56	115 706 H1 181 377 103 321 103 026	CLAMP, Split Flange (12) SCREW, Cap 3/8 NF x 1-3/4" (16) WASHER, Lock 3/8" (16) NUT, Hex 3/8" NF (16)	73	876 074 C1	"O" RING, 1-7/8 x 2-1/8 x 1/8"
57	184 033 H2 179 841 103 321	TUBE ASSEMBLY (2) SCREW, Cap 3/8 NC x 1-1/4" (8) WASHER, Lock 3/8" (8)	74	215 013 H1 181 436 103 323 103 028	CLAMP, (Used only w/196 097 H1 Tube Assembly) (2) SCREW, Cap 1/2 NF x 2-1/4" (4) WASHER, Lock 1/2" (4) NUT, Hex 1/2" NF (4)
		LINE-VALVE TO CYLINDER-BUCKET CLOSE	75	177 687 H2	HOSE
58	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8"	76	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8" (4)
59	196 096 H1	TUBE ASSEMBLY, S/N 1001 thru 01157	77	128 542 H1 179 862 103 322	CLAMP, Split Flange (4) SCREW, Cap 7/16 NC x 1-1/2" (4) WASHER, Lock 7/16" (4)
59	221 383 H1	TUBE ASSEMBLY, S/N 01158 thru 01241	78	194 219 H1 179 864 103 322 181 314 103 319 103 024	PLATE, Mounting SCREW, Cap 7/16 NC x 1-3/4" (4) WASHER, Lock 7/16" (4) SCREW, Cap 1/4 NF x 7/8" (2) WASHER, Lock 1/4" (2) NUT, Hex 1/4" NF (2)

HYDRAULIC LINES & FITTINGS

REL. NO.	PART NUMBER	DESCRIPTION
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BOOM & BUCKET LINES - Continued
(Detroit Diesel)

MEMORANDA

LINE-PRESSURE GAUGE
SN - 1001 thru 01463

79	876 159 C1	ELBOW, 90° JIC x SAE
80	192 507 H1 140 568	TUBE CLAMP (2)
81	153 482 H1 9 410 057	FITTING, Bulkhead NUT
82	203 794 H1	HOSE
83	205 495 H1	GAUGE

CLAMP-TUBE ASSEMBLIES

196 876 H1	CLAMP, Boom Cylinder Pipe Support (4)
181 437	SCREW, Cap 1/2 NF x 1-1/2" (2)
103 323	WASHER, Flat 1/2" (4)
18 452 R1	NUT, Esna 1/2" NF-20 (2)
153 676 H1	"U" BOLT (4)
106 263	WASHER, Flat 3/8" (8)
18 423 R1	NUT, Esna 3/8" NC-16 (8)

CLAMPS-CROSS PIPES

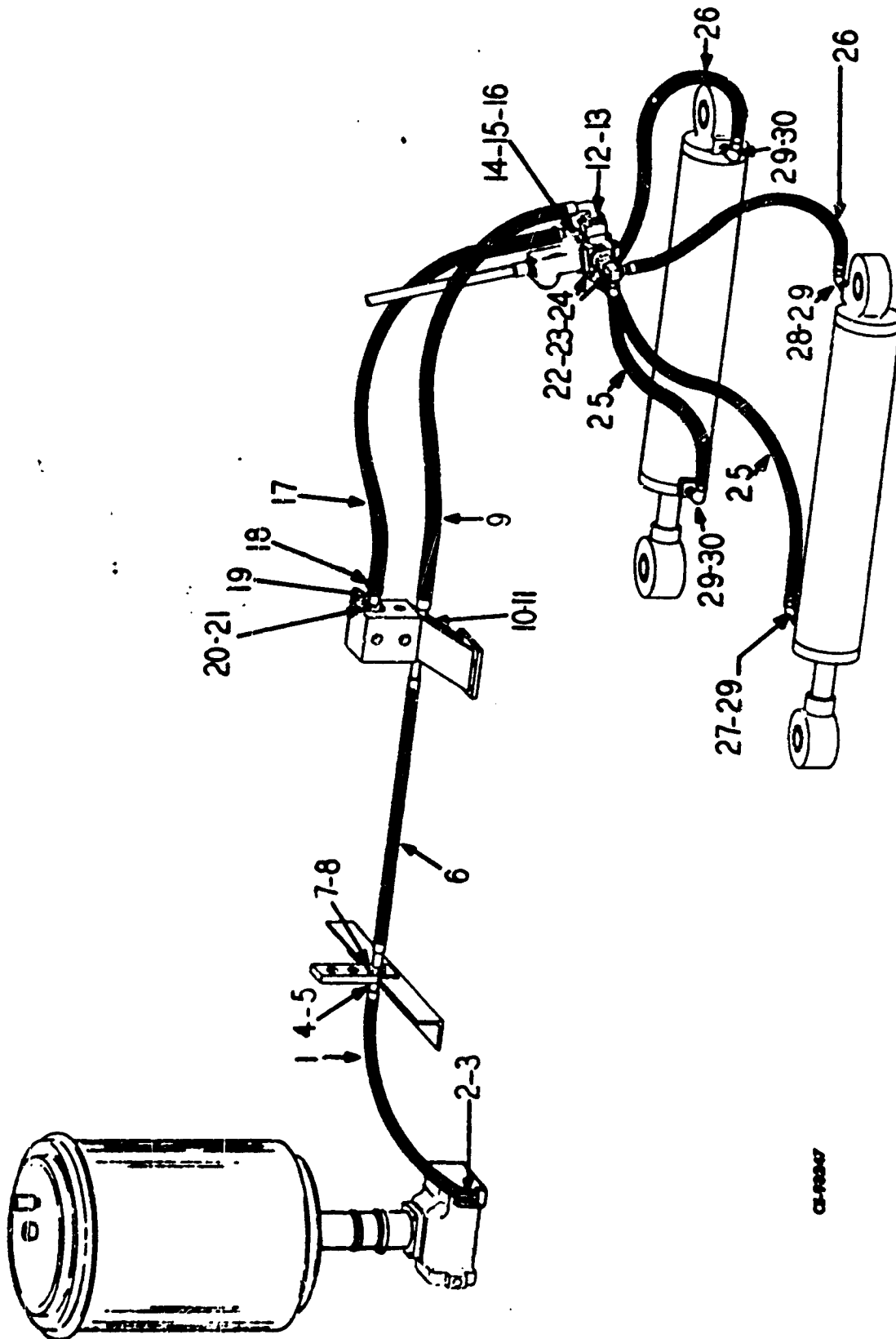
153 675 H1	SPACER (2)
153 676 H1	"U" BOLT (4)
106 263	WASHER, Flat 3/8" (8)
18 423 R1	NUT, Esna 3/8"-16 NC (8)

CLAMPS-BOOM CYLINDER LINES

176 690 H1	CLAMP (4)
181 436	SCREW, Cap 1/2 NF x 2-1/4" (2)
103 323	WASHER, Flat 1/2" (8)
454 522 R1	NUT, Esna 1/2" NC-13 (2)

HYDRAULIC LINES & FITTINGS

HYDRAULIC STEERING LINES



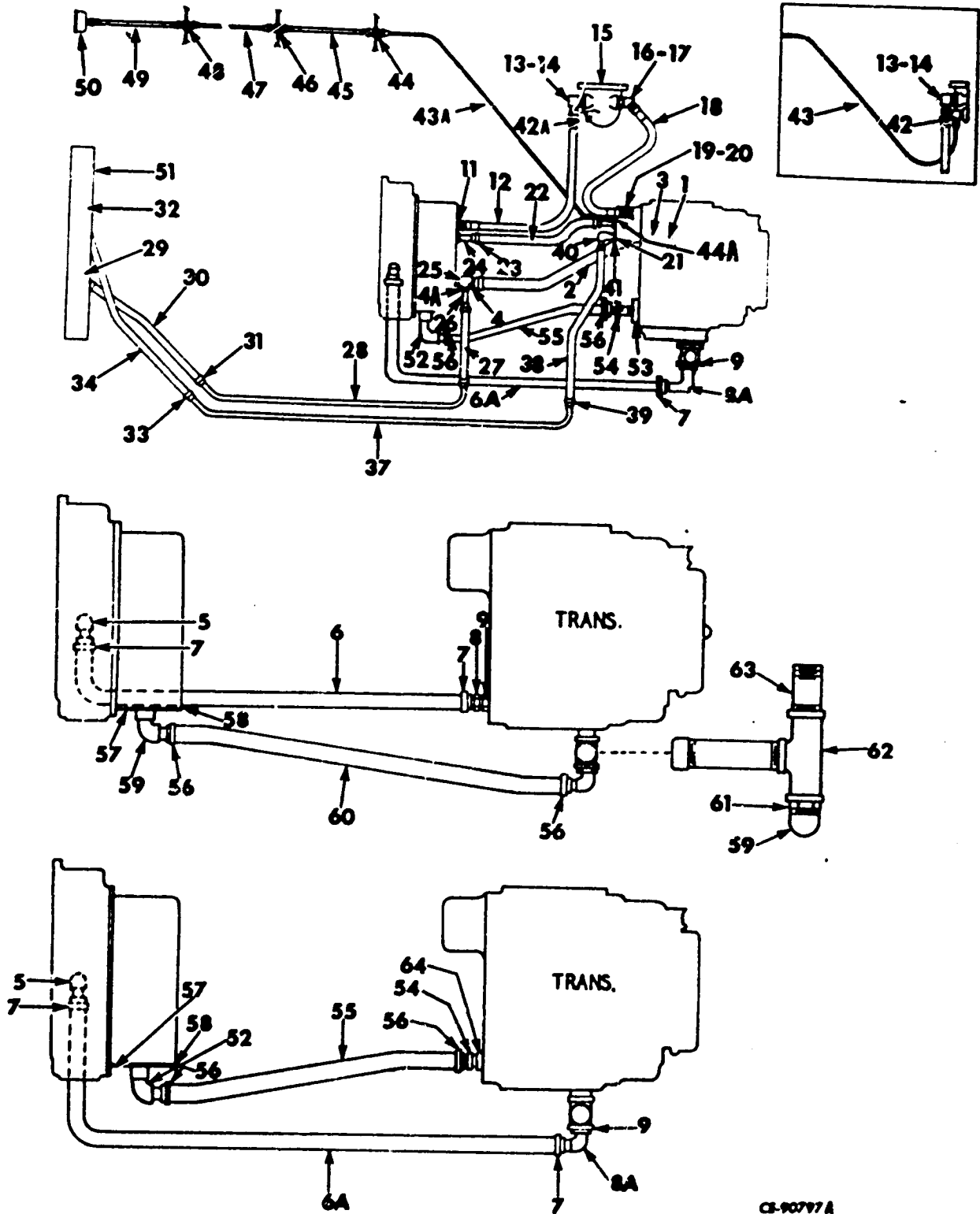
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HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC STEERING LINES - Continued					
LINE-PUMP TO MANIFOLD PLATE			24	876 071 C1 179 481	"O" RING, 1-5/16 x 1-9/16 x 1/8" (2) SCREW, Cap 3/8 NC x 1-1/4" (8)
		PUMP, See Section 11	25	199 163 H1	HOSE (2)
1	208 840 H3	HOSE ASSEMBLY, (L.H. & Cummins)	26	196 635 H1	HOSE (2)
1	198 679 H1	HOSE ASSEMBLY, (Detroit Diesel only)	27	9 410 979	ELBOW, 90° Adjust JIC
2	128 542 H1	FLANGE, Split (2)	28	164 784 H1	ELBOW
3	876 072 C1 179 861 103 322	"O" RING, 1-1/2 x 1-3/4 x 1/8" SCREW, Cap 7/16 NC x 1-3/8" (4) WASHER, Lock 7/16" (4)	29	876 108 C1	"O" RING (4)
4	128 542 H1	FLANGE, Split (2)	30	9 410 205 445 684	ADAPTER, JIC x SAE (2) PLUG, Pipe 1/8"
5	876 072 C1 181 400 271 505	"O" RING, 1-1/2 x 1-3/4 x 1/8" SCREW, Cap 7/16 NF x) Hoses to 2-3/4" (4)) Manifold NUT, Hex 7/16" NF (4)) Plate			
LINE-MANIFOLD TO MANIFOLD BLOCK					
6	211 431 H2	HOSE ASSEMBLY			
7	128 542 H1	FLANGE, Split (4)			
8	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8" (2)			
LINE-MANIFOLD BLOCK TO STEERING GEAR					
9	198 642 H1	HOSE ASSEMBLY			
10	128 542 H1 181 409 271 505	FLANGE, Split (2) SCREW, Cap 7/16 NF x 2-3/4" (4) NUT, Hex 7/16" NF (4)			
11	876 072 C1	"O" RING, 1-1/2 x 1-3/4 x 1/8"			
12	876 071 C1	"O" RING, 1-5/16 x 1-9/16 x 1/8"			
13	115 706 H1 179 481	FLANGE, Split (2) SCREW, Cap 3/8 NC x 1-1/4" (4)			
14	196 748 H1	ELBOW 1001 thru 1068			
15	876 071 C1	"O" RING			
16	115 706 H1 179 481	FLANGE, Split (2) SCREW, Cap 3/8 NC x 1-1/4" (4)			
17	198 643 H1	HOSE 1001 thru 1068			
17	210 602 H2	HOSE 1069 & up			
18	279 027 R91	CLAMP, Hose (2)) 1001 thru 1068			
19	198 536 H1	STEM, Hose)			
20	128 542 H1	FLANGE, Split (2)			
21	876 072 C1 179 861	"O" RING, 1-1/2 x 1-3/4 x 1/8" SCREW, Cap 7/16 NC x 1-3/8" (4)			
LINE-STEERING GEAR TO STEERING CYLINDER					
22	203 196 H1	ADAPTER (2)			
23	115 706 H1	FLANGE, Split (4)			

HYDRAULIC LINES & FITTINGS

TORQUE CONVERTER LINES



CE-90797A

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER LINES - Continued					
SUCTION LINE-TRANSMISSION TO CONVERTER			14	368 269 R1	"O" RING ADAPTER, (Used with Filter Assembly 173 940 H1) (.924 x 1.156 x .116)
1	177 348 H1	INSERT S/N 1001 thru 1302 except 1295			
1	9 410 207	ADAPTER, JIC x SAE) S/N 1303) & up	15	877 380 C91	FILTER ASSEMBLY, Oil (Together with Elbow, 9 402 867 & Elbow 9 402 828 will work for Filter Assembly 173 940 H1) (Refer to Section 11 for component parts)
1	296 247 R1	"O" RING, 1.171 x) also) 1.349 x .116) 1295			
2	208 954 H1	HOSE, (L.H. & Cummins)) S/N 1001) thru 1302	15	173 940 H1	FILTER ASSEMBLY, Oil (Order Filter Assembly 877 380 C91, Elbow 9 410 979 & Elbow 9 402 828) (Includes next 4 items)
2	201 572 H1	HOSE, (Detroit Diesel)) except 1295			
2	876 374 C1	HOSE, (Detroit Diesel)) S/N 1303) & up		131 571 H1	GASKET, Base
2	204 840 H1	HOSE, (L.H. & Cummins)) also 1295		131 574 H1	GASKET, Shell
				131 570 H1	ELEMENT
				165 714 H1	PLUG DRAIN
3	279 024 R91	CLAMP) S/N 1001) thru 1302		181 340	SCREW, Cap 5/16 NF x)) 1-1/8" (4)) Filter
4	196 274 H1	INSERT) except 1295		615 031 R1	WASHER, Flat 5/16" (4)) Mount-
4A	9 402 713	ADAPTER, JIC x Pipe S/N 1303 & up also 1295		103 320	WASHER, Lock 5/16" (4)) ing
				103 035	NUT (4))
			16	9 411 107	ELBOW, 45° (Used with Filter Assembly 173 940 H1)
DRAIN LINE-FLYWHEEL HOUSING TO TRANSMISSION (See Notes 1 & 2)			16	9 402 828	ELBOW, 45° (Used with Filter Assembly 877 380 C91)
5	191 640 H1	ADAPTER, 90°	17	368 269 R1	"O" RING, Adapter (Used with Filter Assembly 173 940 H1) (.924 x 1.156 x .116)
6	208 953 H1	HOSE, (L.H. & Cummins) S/N 1001 thru 1047	18	134 151 H1	HOSE
6A	220 414 H1	HOSE, (L.H. & Cummins) S/N 1048 & up	19	9 402 711	ADAPTER, Straight
6	201 573 H1	HOSE, (Detroit Diesel) S/N 1001 thru 1047	20	21 114 R1	BUSHING, Reducer
6A	220 413 H1	HOSE, (Detroit Diesel) S/N 1048 & up	LINE-CONTROL VALVE TO CONVERTER		
7	311 164 C91	CLAMP, Hose (2)	21	167 971 H1	INSERT, Hose
8	191 643 H1	ADAPTER, Straight S/N 1001 thru 1047	22	177 351 H1	HOSE, (L.H. & Cummins only)
8A	191 640 H1	ELBOW, 90° S/N 1048 & up	22	172 692 H1	HOSE, (Detroit Diesel only)
9	21 115 R1 103 499 H1	BUSHING, Reducer ELBOW S/N 1001 thru 1047	NOTE 1: For those desiring to update machines equipped with one drain line from Flywheel Housing to Transmission (See Inset I) S/N 1001 thru 01047 (Order the following parts -		
10	140 860 H1 181 429 18 452 R1 20 970 R1	CLAMP SCREW, Cap 1/2 NF x 1-1/4" NUT, Eena 1/2" NF-20 PIPE PLUG, (In transmission when unit is not equipped with two drain lines) S/N 1048 thru 01285 except 01264			2 CLAMP 161 178 H1 1 FLANGE 878 296 H1 1 GASKET 199 295 H1 2 ELBOW 196 201 H1 1 HOSE 220 414 H1 2 BUSHING 21 115 R1 1 TEE 103 511 H1 1 NIPPLE 106 662 H1)
LINE CONVERTER TO CONTROL VALVE			NOTE 2: For those desiring to update machines equipped with one drain line from Flywheel Housing to Transmission S/N 1048 thru 01284 except 01264 (Order the following parts - See Inset II		
11	9 402 711	ADAPTER, Straight			1 ELBOW 191 640 H1 2 CLAMP 161 178 H1 1 HOSE 208 953 H1 1 NIPPLE, Hose 191 643 H1 1 FLANGE 878 296 H1 1 BASKET 199 295 H1)
12	199 163 H1	HOSE, (L.H. & Cummins only)			
12	137 054 H1	HOSE, (Detroit Diesel only)			
13	9 410 979	ELBOW, Adjustable (Used with Filter Assembly 173 940 H1)			
13	9 402 867	ELBOW, 90° (Used with Filter Assembly 877 380 C91)			

HYDRAULIC LINES & FITTINGS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER LINES - Continued					
23	333 710 R91	CLAMP, Hose (2)	47	196 277 H1	TUBE ASSEMBLY
24	167 971 H1	INSERT, Hose	48	153 402 H1	FITTING, Bulkhead
LINE-CONVERTER TO COOLER			49	199 139 H1	HOSE
25	180 234 H2 141 621	TEE, Service, Special ELBOW, St. 90° x 3/4"	50	188 328 H1 140 578 102 634 103 320 103 883	GAUGE CLAMP, Tube to Frame NUT, Hex 5/16" NC WASHER, Lock 5/16" PLUG, 1/8" (Replaces Pressure Gauge to Transmission) (SN - 01464 & up)
26	167 971 H1	INSERT, Hose	OIL COOLER		
27	173 014 H1	HOSE, (L.H. & Cummins only)	51	219 489 H2 181 341	COOLER, Oil SCREW, Cap 5/16 NF x) 1-1/4" (4) } Cooler NUT, Hex 5/16" NF- } Mounting 24 (4)
27	174 008 H1 333 710 R91	HOSE, (Detroit Diesel only) CLAMP (2)		19 503 R1	
28	177 355 H1	TUBE		112 002 H1	PETCOCK, Oil Cooler
29	167 971 H1	INSERT, Hose		105 423	ELBOW, St. 90° x 1/4"
31	333 710 R91	CLAMP (2)	DRAIN LINE-TORQUE CONVERTER TO TRANSMISSION S/N 01285 & up also 01264		
LINE-COOLER TO TRANSMISSION			52	194 201 H1	ELBOW
32	167 971 H1	ADAPTER, Hose	53	21 115 H1	BUSHING, Steel Hex
33	125 905 H1	CLAMP (2)	54	191 643 H1	NIPPLE, Hose
34	173 014 H1	HOSE	55	208 953 H1	HOSE
35	120 622 H1	CLAMP	56	161 178 H1	CLAMP (2)
36	333 710 R91 181 317	CLAMP, Hose (2) SCREW, Cap 1/4 NF x 1-1/4" (2)	57	878 296 H1	FLANGE
37	198 769 H1 181 316	TUBE SCREW, Cap 1/4 NF x 1-1/8"	58	199 295 H1	GASKET, (See Torque Converter in Section 5)
38	177 351 H1 106 261 103 319 105 024	HOSE WASHER, Flat 1/4" (3) WASHER, Lock 1/4" (3) NUT, Hex 1/4" NF (3)	59	194 201 H1	ELBOW (2)
39	333 710 R91	CLAMP, Hose (2)	60	220 414 H1	HOSE
40	186 999 H1	NIPPLE, Hose 90°	61	21 116 R1	BUSHING
41	21 114 R1	BUSHING, Reducer	62	103 511 H1	TEE
LINE-FILTER TO PRESSURE GAUGE SN - 1001 thru 01463			63	106 662 H1	NIPPLE
42	876 159 C1	ELBOW, Adapter. 90° (90° JIC x Pipe) (SN - 1001 thru 01387)	64	21 116 R1	BUSHING
42A	444 576	PLUG, 1/4" (SN - 01388 & up)			
43	148 281 H1	TUBE ASSEMBLY (SN - 1001 thru 01387)			
43A	879 259 C1	TUBE (SN - 1388 & up)			
44	202 804 H1	FITTING, Bulkhead			
44A	9402 706	CONNECTOR (SN - 1388 & up)			
45	195 090 H1	HOSE ASSEMBLY			
46	202 804 H1	FITTING, Bulkhead			

SECTION 11

HYDRAULIC COMPONENTS

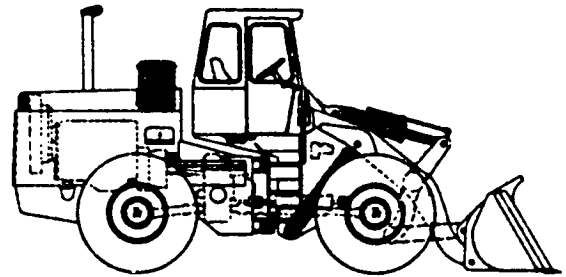


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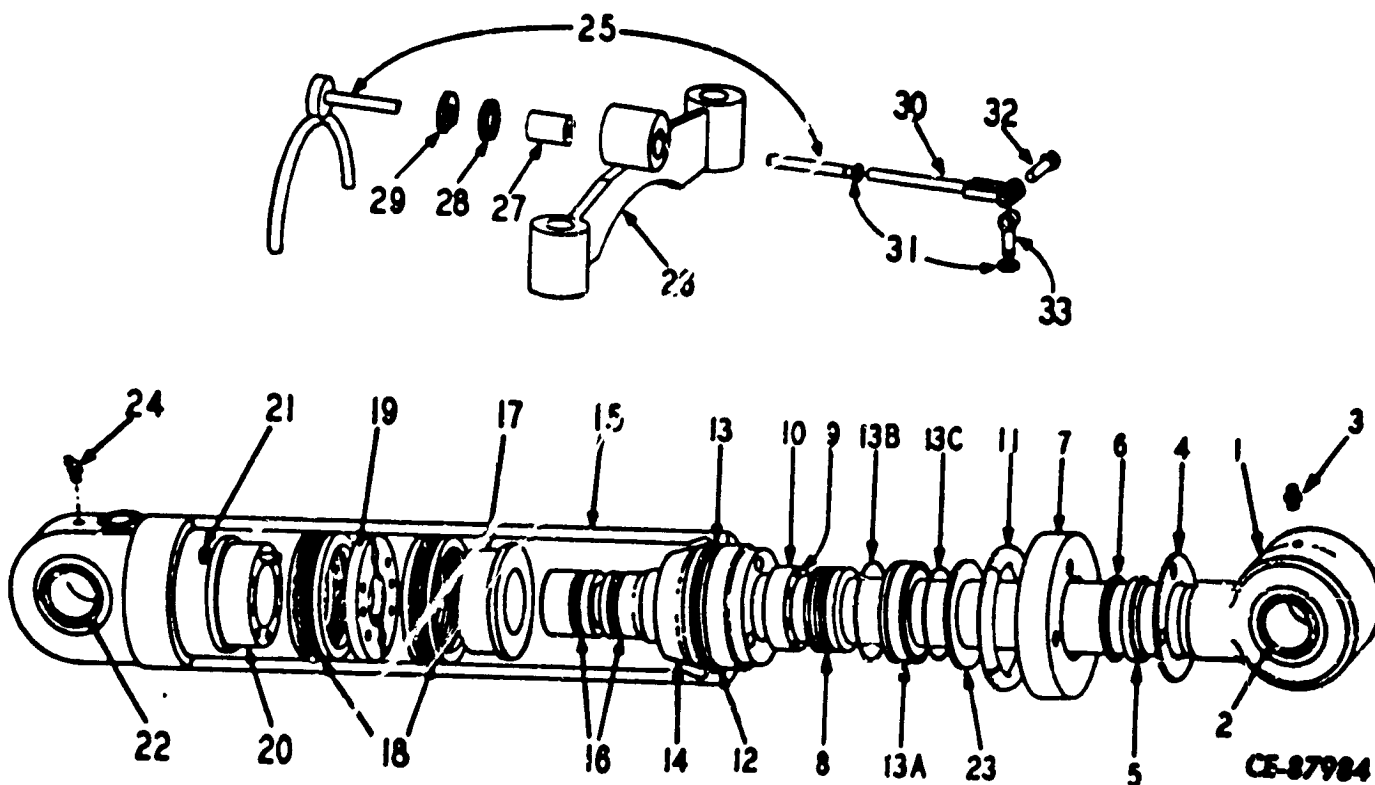
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REFER TO ALPHABETICAL INDEX GRID A-3

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BUCKET CYLINDER

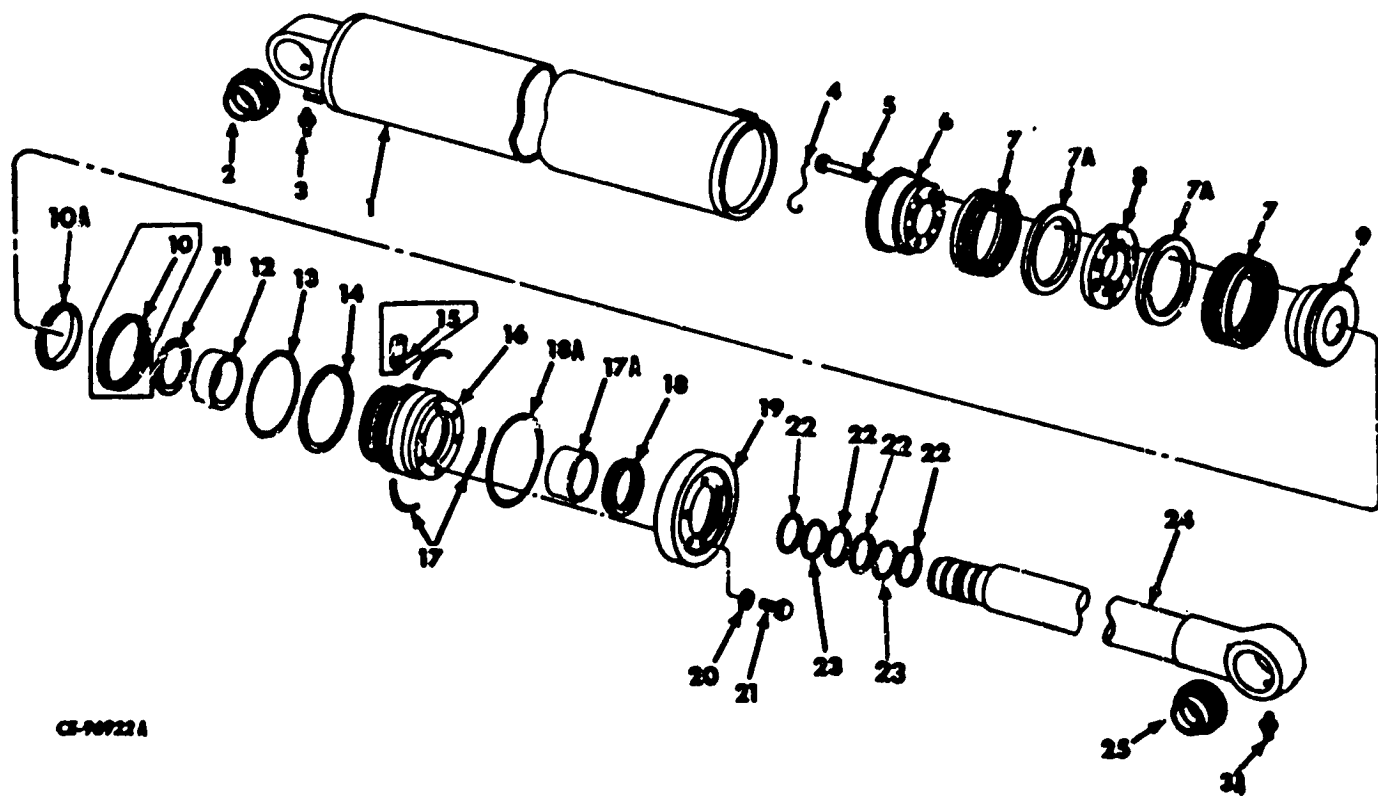


	194 916 H5	CYLINDER, Bucket (Includes Items 1 thru 24) 7" Diameter (Order CYLINDER 879 773 C94)			
1	194 921 H1	ROD, Piston (Includes Item 2)	15	194 917 H1	CYLINDER, (Includes Item 22)
2	175 865 H1	BUSHING	16	876 093 C1	"O" RING, 3 x 3-3/8 x 3/16" (2)
3	109 461 179 847	FITTING, Grease SCREW, Cap 1/2 NC x 1-3/4" (6)	17	175 856 H1	PISTON, Half
	163 839 H1	WASNER, Lock (6)	18	176 449 H3	PACKING, Piston (2)
4	147 871 H2	RETAINER, Wiper	19	175 860 H1	RING, Lock (2)
5	174 687 H1	SEAL, Wiper	20	175 861 H1	PISTON, Half
6	178 905 H1	GASKET, Wiper Seal	21	190 270 876 012 C1	SCREW, Cap 1/2 NC x 4" (8) WIRE, Lock, #13 x 17"
7	175 866 H2	CAP	22	175 907 H1	BUSHING
8	147 897 H5	PACKING, Rod	23	174 953 H2	GASKET
9	147 912 H1	SPRING, Packing Gland (1)	24	109 460	FITTING, Grease
10	147 863 H3	RING, Gland Adjusting	25	197 481 H1	INDICATOR, Rod
11	147 872 H1	RING, Lock (3)	26	199 203 H1	GUIDE, Indicator Rod Assembly (Includes Items 27, 28 and 29)
12	147 865 H1	WASHER, Back-up	27	171 912 H1	BUSHING
13	876 102 C1	"O" RING, 6-1/2 x 7 x 1/4"	28	173 862 H1	WASHER (2)
13A	877 860 C1	BUSHING	29	21 225 R1 199 206 H1 106 265 18 452 R1	RING, Retaining (2) "U" BOLT WASHER, Flat, 1/2" (2) NUT, 1/2" NF-20 Zinc (2)
13B	878 304 C1	"O" RING, 4 x 4-1/4 x 1/8"	30	102 278 H1	CLAVES
13C	877 832 C91	SEAL, Wiper	31	H-31C	NUT, Jam (2)
14	147 883 H2	CAP, Cylinder	32	114 788	PIN, Yoke
			33	196 487 H1	BOLT, Eye

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BUCKET CYLINDER

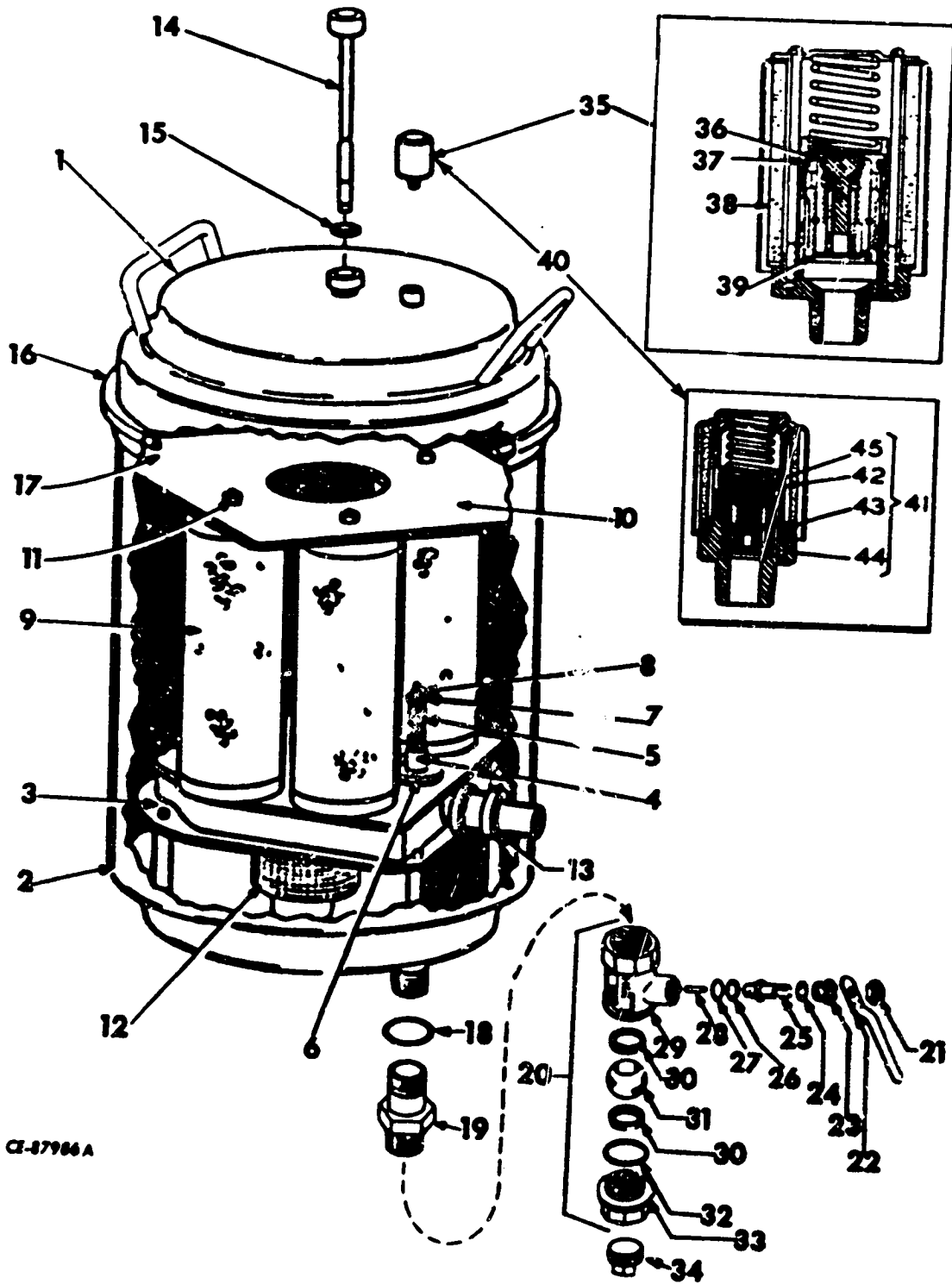


CE-90922A

	879 773 C94	CYLINDER, Bucket Control		14	890 831 C1	WASHER (Used with CYLINDER, 879 773 C93 and 879 773 C94)
1	194 917 H2	CYLINDER w/BUSHING, 175 907 H1		15	878 101 C1	PIN, Back-Up (Used with GLAND, 878 100 C21) (3)
2	175 907 H1	BUSHING		16	890 761 C91	GLAND w/BUSHING, 878 065 C2 (Together with PACKING ROD, 890 835 C1 and RETAINING RING, 890 830 C1 will work for GLAND, 878 100 C21)
3	109 461	FITTING, Grease		17	147 872 H1	RING, Lock (3)
3A	109 460	FITTING, Grease		17A	878 065 C2	BUSHING
4	876 012 C1	LOCKWIRE (Used with BOLT, 875 934 C1)		18	878 096 C91	SEAL
5	25 060 R1	BOLT, 5/8NC x 4" (8)		18A	878 387 C1	RING CORD
6	879 308 C3	PISTON, Half		19	878 099 C1	CAP
7	878 064 C1	PACKING, Piston (2)		20	118 975	WASHER, Lock (6)
7A	878 095 C1	BUSHING (2)		21	179 885	BOLT (6)
8	879 307 C1	LOCKRING (2)		22	878 914 C2	WASHER, Back-Up (4)
9	879 309 C1	PISTON, Half		23	876 093 C1	"O" RING (2)
10	878 090 C1	RING, Retaining (Used with CYLINDER, 879 773 C92)		24	879 772 C11	ROD, Piston w/BUSHING, 175 865 H1
10A	890 830 C1	RING, Retaining (Used with CYLINDER, 879 773 C93 and 879 773 C94)		24	175 865 H1	BUSHING
11	878 094 C1	BUSHING				
12	890 835 C1	PACKING, Rod				
13	876 102 C1	"O" RING				
14	147 865 H1	WASHER (Used with CYLINDER, 879 773 C92)				

HYDRAULIC COMPONENTS

HYDRAULIC RESERVOIR



CE-87984A

F-14

HYDRAULIC COMPONENTS

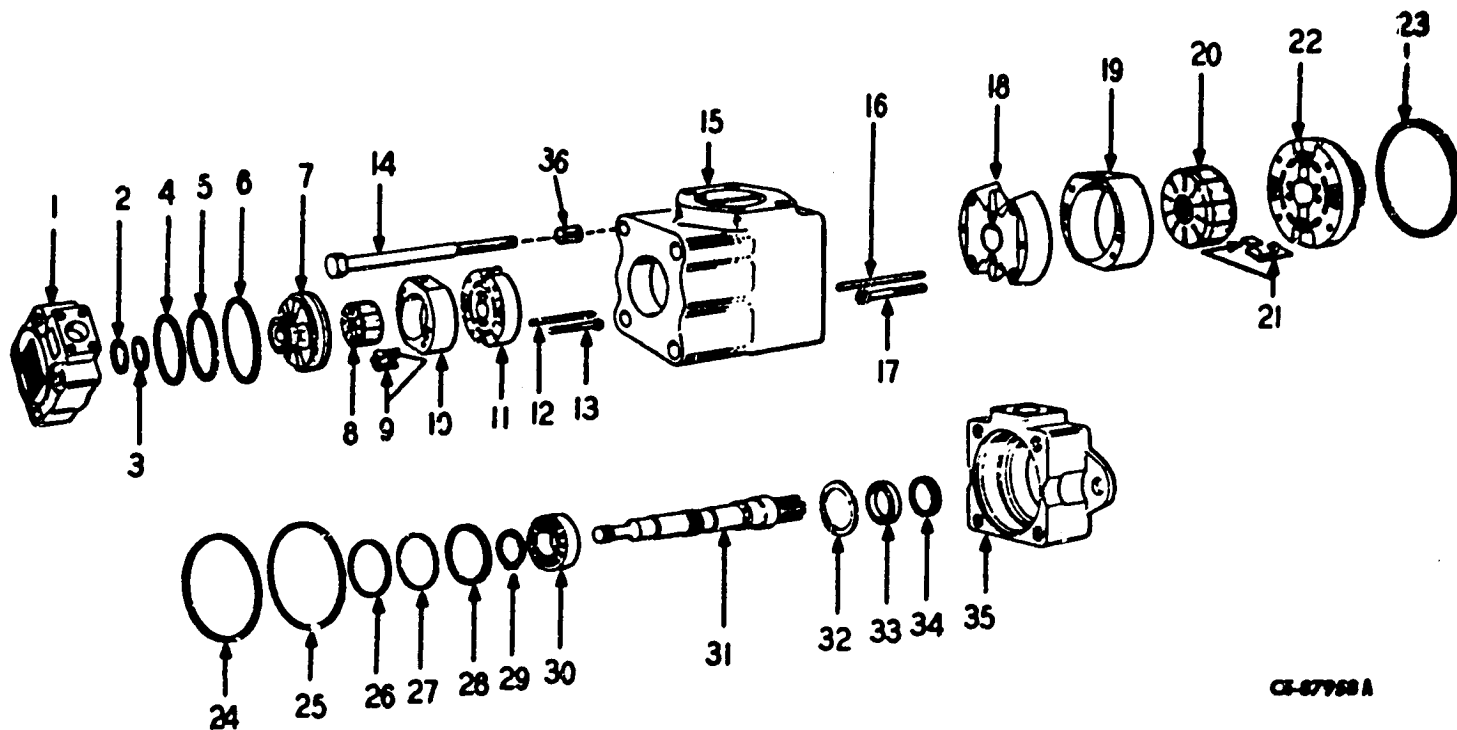
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HYDRAULIC RESERVOIR - Continued					
	195 250 H5	RESERVOIR, (Includes Items 1 thru 17)	19	9 410 363	PLUG, Drain 1001 thru 1112
	271 587	SCREW, Cap 5/8 NF x 2" (4)	20	215 605 H1	VALVE, Drain (Includes Items 21 thru 33) 1113 & up
	18 453 R1	NUT, 5/8"-18 NF Esna (4)	21	217 544 H1	LOCKNUT
1	195 251 H1	TOP	22	217 545 H1	HANDLE
2	195 253 H2	BOTTOM	23	217 546 H1	NUT, Stem Bushing
3	195 260 H2	BAFFLE	24	217 547 H1	WASHER, Thrust
	181 364	SCREW, Cap 3/8 NF x 1" (4)	25	217 548 H1	STEM
	106 263	WASHER, Flat 3/8" (4)	26	217 549 H1	RING, Back-up
	103 321	WASHER, Lock 3/8" (4)	27	217 550 H1	SEAL, Stem
4	193 843 H1	VALVE, Check (Used on RESERVOIR, 195 250 H1, H2 and H3)	28	217 551 H1	PIN, Stop
4	877 811 C1	SLEEVE (Used on RESERVOIR, 195 250 H4 and H5)	29	217 552 H1	BODY
5	176 026 H1	SPRING	30	217 553 H1	SEAT (2)
6	176 027 H1	GROMMET (Used on RESERVOIR, 195 250 H1, H2 and H3)	31	217 554 H1	BALL
6	877 825 C1	INSULATOR (Used on RESERVOIR, 195 250 H4 and H5)	32	217 555 H1	SEAL, Body
7	106 264	WASHER, Flat	33	217 556 H1	CAP, End
8	882 210 C1	NUT	34	20 969 R1	PLUG, Pipe
9	877 826 C3	FILTER (3)	35	194 401 H1	VALVE, Vacuum & Pressure Relief (Includes Items 36 thru 39) (Order 882 845 C91) SN-1001 thru 01464
10	877 824 C1	SPACER (3)	36	198 464 H1	SEAL, Poppet
10	195 264 H1	PLATE	37	198 463 H1	SEAL, Sleeve
11	883 553 C1	NUT (3)	38	198 461 H1	FILTER
12	194 552 H2	SCREEN (Includes next 3 items)	39	198 462 H1	RING, Lock
	194 553 H2	BAFFLE)	40	882 845 C91	VALVE RELIEF (Includes Items 41 thru 45) SN-01465 & up
	194 554 H1	CAP) Part of Item 12	41	893 170 C91	KIT, Valve Repair
	194 555 H1	SCREEN)	42		SEAL, Poppet #
13	177 665 H4	JOINT, Tube (Includes next 5 items)	43		SEAL, Sleeve #
	180 707 H2	COUPLING (2))	44		SEAL, Filter #
	180 708 H2	SEAL ASSEMBLY) Part of Item 13	45		RING, Lock #
	180 709 H1	SLEEVE)			
	877 202 C1	SEAL ASSEMBLY)			
	877 203 C1	WASHER)			
14	158 894 H1	CAP & DIPSTICK			
15	134 045 H1	SEAL (2)			
16	879 204 C1	RETAINER, (Together w/BOLT 879 375 C1 & NUT 120 377 will work for RETAINER 209 609 H1) (2)			
	214 330 H1	BOLT, Carriage (Used w/209 609 H1 Retainer) (2)			
	879 375 C1	BOLT, (Used w/879 204 C1 Retainer) (2)			
	214 338 H1	NUT, Flanged (Used w/209 609 H1 Retainer) (2)			
	120 377	NUT, (Used w/879 204 C1 Retainer) (2)			
17	176 266 H1	"O" RING			
18	876 110 C1	"O" RING) Not used on) Reservoir			
19	181 191 H1	ADAPTER, Drain Valve) 195 250 H3			

- Not Furnished Separately

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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MAIN HYDRAULIC PUMP



CS-87988A

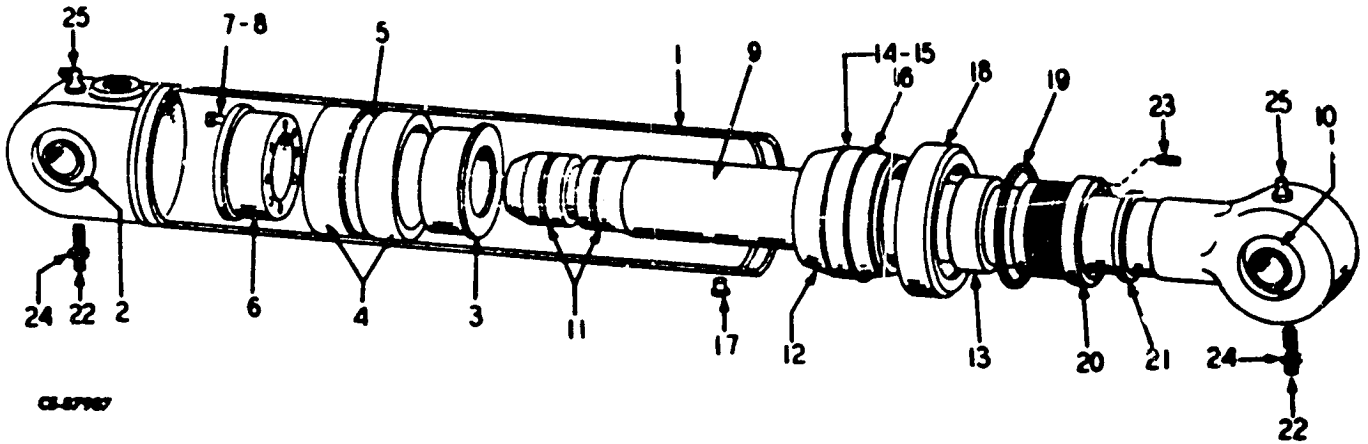
	194 774 H2	PUMP, Main (Vickers 4535 V30A-25-19DC-10L)	21	180 019 H1	VANE KIT (*))
	201 181 H1	BOLT (4)	22		PLATE, Pressure (*))
1	201 182 H1	COVER	23		"O" RING (*) (%))
2		RING, Back-up (#) (%)	24		RING, Back-up (*) (%)	) Order
3		"O" RING (#) (%)	25		"O" RING (*) (%)	) Cartridge Kit
4		"O" RING (#) (%)	26		"O" RING (*) (%)	) 180 179 H4
5		RING, Back-up (#) (%)	27		RING, Back-up (*) (%))
6		"O" RING (#) (%)	28	299 899 R1	SNAP RING)
7		PLATE, Pressure (#)	29	659 380 H1	SNAP RING)
8		ROTOR (#)	30	104 737 H1	BEARING)
9		VANE KIT (#)	31	201 187 H1	SHAFT)
10		RING (#)	32	165 022 H1	WASHER)
11		PLATE, Wear (#)	33	163 896 H1	SEAL (%))
12		PIN (#) (2)	34	165 023 H1	WIPER (%))
13		SCREW (#) (2)	35	163 897 H1	BODY)
14	204 983 H1	BOLT (4)	271 565	SCREW, Cap 5/8 x 2-3/4" NC (2)	) Pump)
15	201 186 H1	HOUSING, Inlet (Order HOUSING, 894 812 C91)	103 325	WASHER, Lock 5/8" (2)	) Mount-	) ing
15	894 812 C91	HOUSING w/four BUSHINGS, 894 592 C1, Inlet	36	894 592 C1	BUSHING (Also part of HOUSING, 894 812 C91) (4))
16		FIN (*) (2))
17		SCREW (*) (2)		180 179 H4	KIT, Cartridge (Includes items above marked *) (AR))
18		WEAR PLATE SUB-ASSEMBLY (*)		185 354 H3	KIT, Cartridge (Includes items above marked #) (AR))
19		RING (*)		201 189 H1	KIT, Gasket (Includes items above marked %) (AR))

F-16

HYDRAULIC COMPONENTS

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



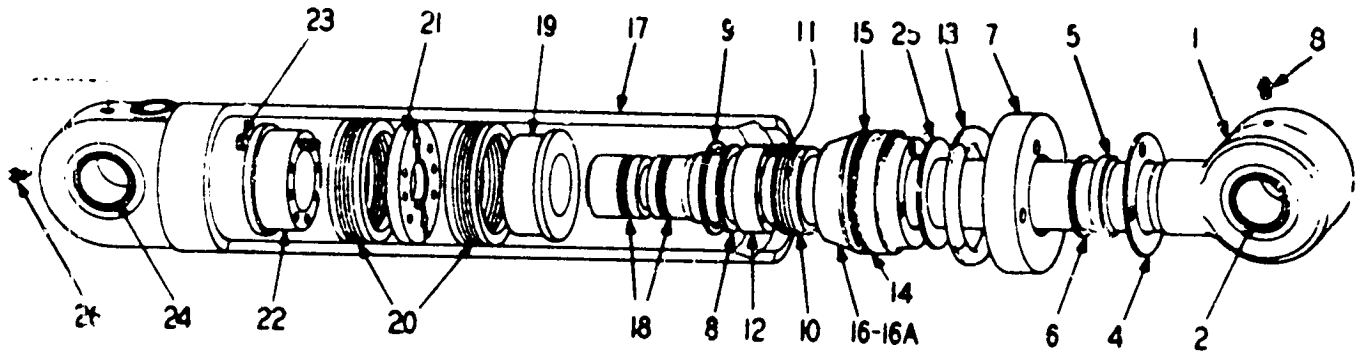
CS-27907

	199 378 H3	CYLINDER, Steering, Includes the following items (2)		13	155 991 H5	PACKING, Rod
1	199 383 H1	CYLINDER		14	876 097 C1	"O" RING
2	128 107 H1	BUSHING		15	174 298 H1	WASHER, Back-up
3	174 287 H1	PISTON HALF		16	174 299 H1	RING, Lock (3)
4	176 446 H3	PACKING, Piston (2)		17	152 039 H1	PLUG, Rubber
5	174 290 H1	RING, Lock (2)		18	174 300 H1	CAP
6	174 291 H1	PISTON HALF		19	174 301 H1	RING, Retaining
7	875 915 C1	SCREW, Cap, 3/8 NC x 2-3/4" (8)		20	192 369 H1	NUT, Packing
8	876 018 C1	WIRE, Lock, #16 x 14"		21	174 686 H1	SEAL, Wiper
9	199 380 H1	ROD, Piston		22	195 622 H1	SCREW, Set (2)
10	128 107 H1	BUSHING		23	174 304 H1	SCREW, Set-Self Locking (3)
11	876 088 C1	"O" RING (2)		24	114 501	NUT, Jam 1/4" NC (2)
12	174 297 H1	CAP, Cylinder		25	109 461	FITTING, Grease
				25A	109 462	FITTING, Grease

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BOOM CYLINDER



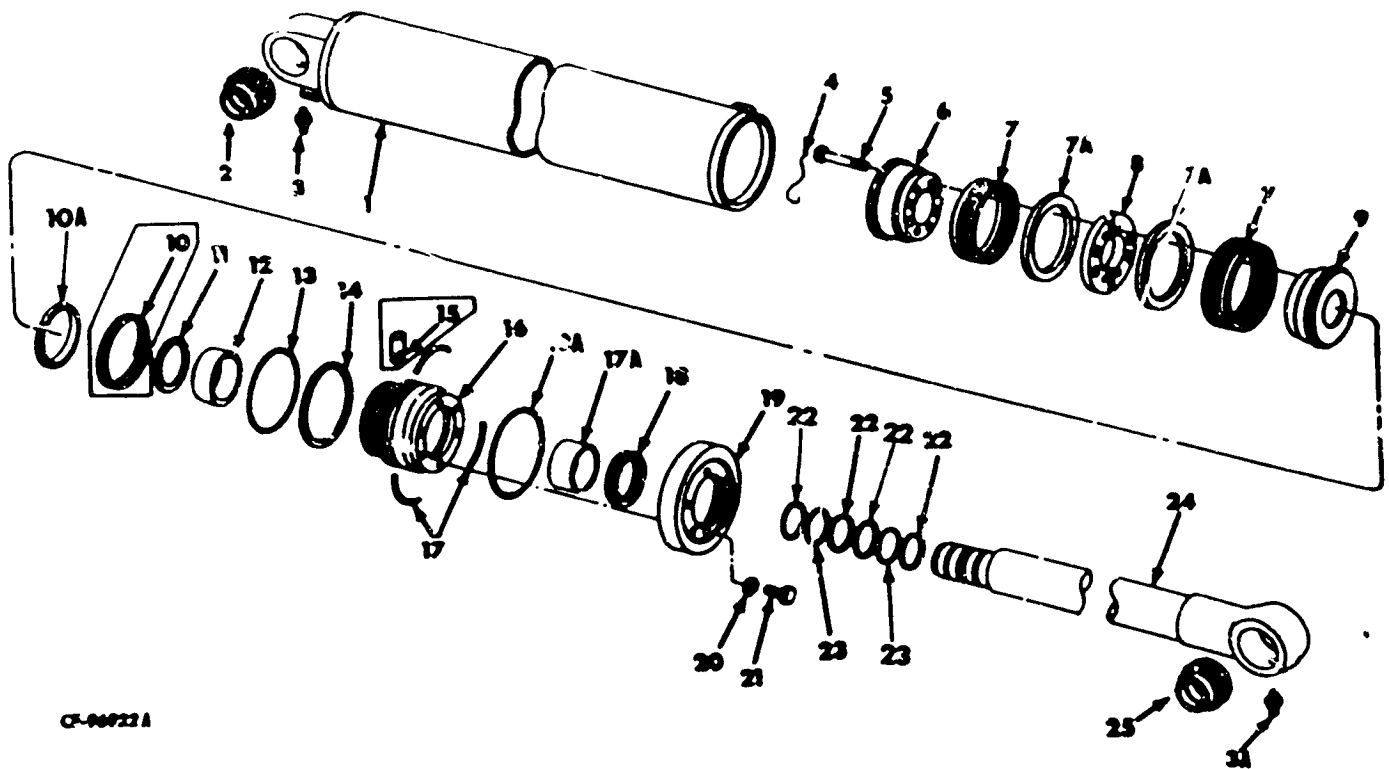
CE-87985

	195 301 H5	CYLINDER, Boom 5" Diameter (Includes Items 1 thru 26) (2)		14 141 543 H1	WASHER, Back-up
1	195 302 H1	ROD, Piston (Includes Item 2)	15	876 101 C1	"O" RING
2	169 564 H1	BUSHING	16	877 438 C1	CAP, Cylinder (Includes Bushing 877 446 C1) (Together with Retaining Ring 304 734 C1 will work for 169 556 H1)
3	109 461 172 542	FITTING, Grease SCREW, Cap 3/8 NC x) Cap to 1-3/8" (3)) Cylinder	16A	877 446 C1	BUSHING
	145 703 H1	WASHER, Lock (3)) Cap	17	176 471 H1	CYLINDER, (Includes Item 24)
4	169 550 H2	WIPER, Retainer	18	876 092 C1	"O" RING (2)
5	174 657 H1	WIPER, Ring	19	169 577 H1	PISTON HALF
6	178 905 H1	GASKET, Wiper Seal	20	176 448 H3	PACKING, Piston (2)
7	169 555 H2	CAP	21	169 580 H1	RING, Lock (2)
8	169 567 H1	RING, Back-up	22	169 576 H1	PISTON HALF
9	304 734 C1	RING, Retaining (Together with drawing 877 552 C1 will work for 169 581 H1)	23	819 378 R1 876 011 C1	SCREW, Cap 1/2 NC x 3-3/4" (8) WIRE, Lock #13 x 16"
10	147 897 H5	PACKING, Rod	24	193 252 H1	BUSHING
11	147 912 H1	SPRING, Packing Gland (10)	25	174 694 H2	GASKET
12	147 863 H3	RING, Gland Adjusting	26	109 461	FITTING, Grease
13	169 566 H1	RING, Lock (3)			

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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BOOM CYLINDER



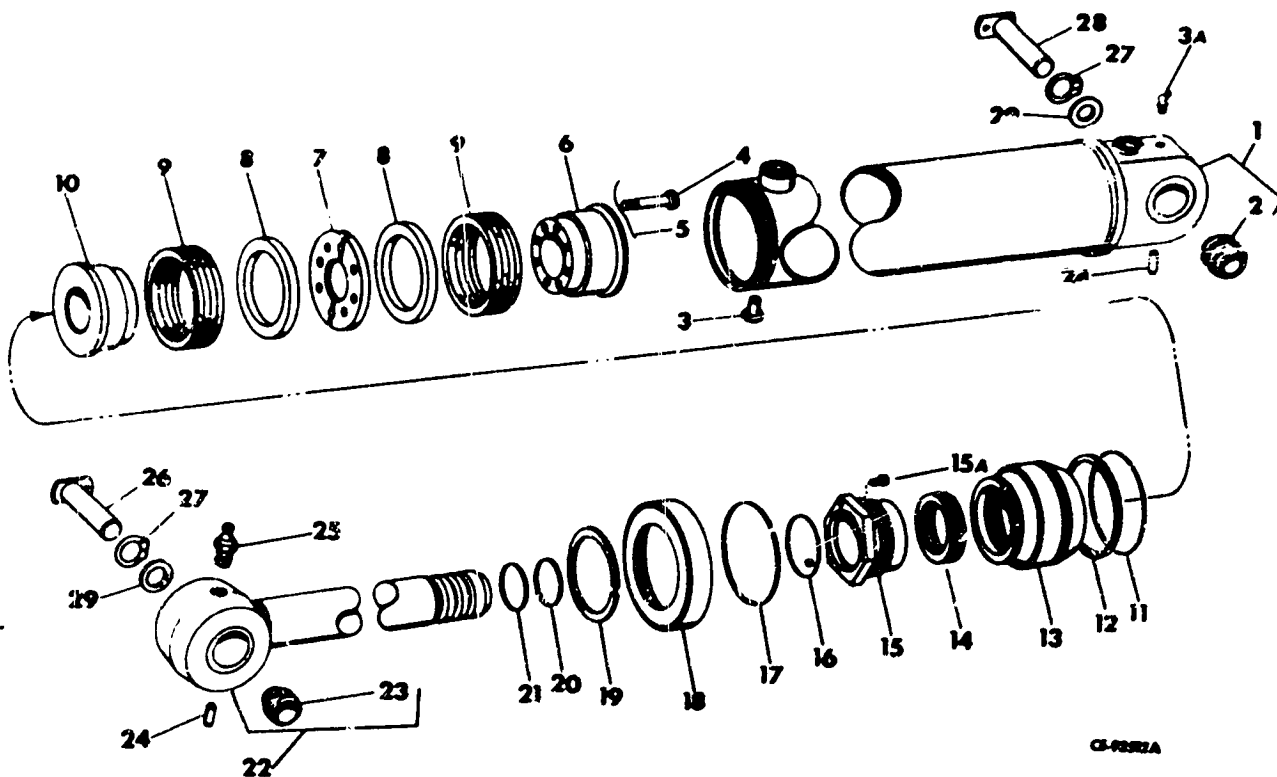
CS-00922A

	883 075 C94	CYLINDER, Boom (2) (Consists of the following -		12	890 910 C1 ROD, Packing
1	176 471 H2	CYLINDER w/BUSHING, 193 252 H1		13	876 101 C1 "O" RING
2	193 252 H1	BUSHING		14	890 911 C1 WASHER, Back-Up
3	109 461	FITTING, Grease		15	878 449 C1 PIN (Used with GLAND, 878 451 C21)
3A	109 461	FITTING, Grease		16	890 913 C91 GLAND w/BUSHING, 878 440 C2 (Together with PACKING ROD, 890 910 C1 and RETAINING RING, 890 912 C1 will work for GLAND, 878 451 C21)
4	876 011 C1	WIRE, Lock (Used with PISTON HALF, 878 443 C3)		17	169 556 H1 RING, Lock (3)
5	25 058 R1	BOLT (8)		17A	878 440 C2 BUSHING
6	896 466 C1	PISTON, Half		18	878 448 C91 SEAL
7	657 862 C1	PACKING, Piston (2)		18A	878 386 C1 CORD, Ring
7A	896 464 C1	BUSHING (2)		19	878 450 C1 CAP, Cylinder
8	169 580 H1	RING, Lock (2)		20	111 328 WASHER, Shakeproof (6)
9	896 467 C1	PISTON, Hal. (Together with eight BOLTS, 25 058 R1 will work for PISTON, 878 443 C3)		21	179 839 BOLT, 3/8NC x 1-1/8" (6)
10	878 444 C1	RING, Retaining (Used with CYLINDER, 883 075 C91)		22	878 632 C2 RING (4)
10A	890 912 C1	RING, Retaining (Used with CYLINDER, 883 075 C92, C93 and C94)		23	876 092 C1 "O" RING (2)
11	878 445 C1	BUSHING		24	883 078 C11 PISTON, Rod w/BUSHING, 169 564 H1
				25	169 564 H1 BUSHING

HYDRAULIC COMPONENTS

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



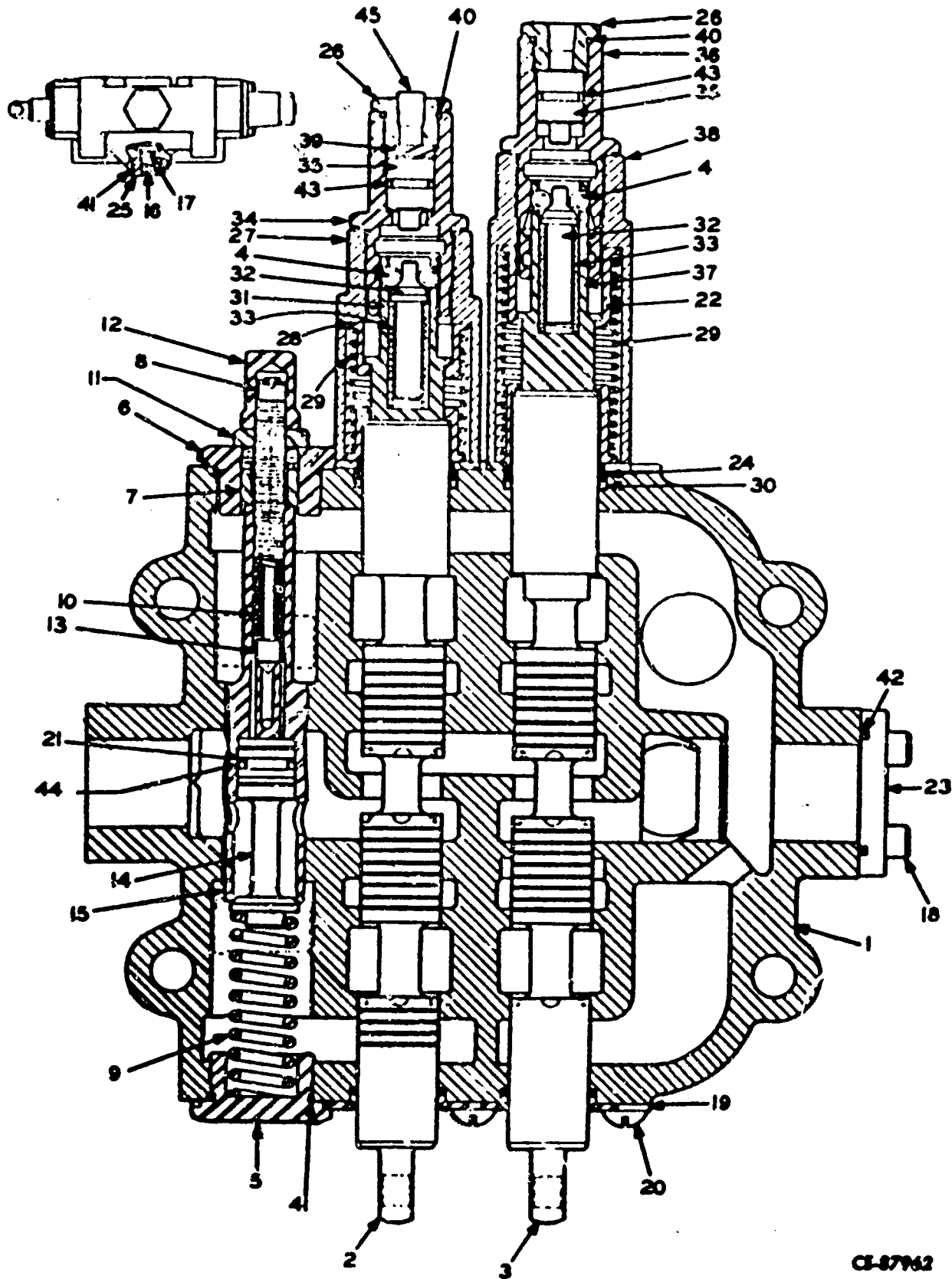
CS-9822A

	883 409 C93	CYLINDER, Steering (4-1/2 inch Diameter) (Consists of Items 1 thru 25) (2)		15	880 522 C1 NUT, Packing
1	199 383 H2	CYLINDER w/BUSHING, 128 107 H1		15A	174 304 H1 SCREW, Set (3)
2	128 107 H1	BUSHING		16	878 169 C91 SEAL
3	152 039 H1	PLUG		17	174 299 H1 LOCK RING (3)
3A	109 462	FITTING, Grease		18	174 300 H1 CAP
4	21 396 R1	BOLT (8)		19	174 301 H1 RING, Retaining
5	876 018 C1	WIRE, Lock #16 x 14 (Used with PISTON HALF, 880 523 C3)		20	876 088 C1 "O" RING (2)
6	880 524 C3	PISTON, Half		21	880 521 C1 RING, Back-Up (4)
7	880 527 C1	RING, Lock (2)		22	883 408 C11 ROD w/BUSHING, 128 107 H1, Piston
8	880 526 C1	BUSHING (2)		23	128 107 H1 BUSHING
9	880 525 C1	PACKING, Piston (2)		24	884 483 C1 SCREW, Set "Nylok" 1/2-20 x 1" (2)
10	896 420 C1	PISTON, Half (Together with eight BOLTS, 21 396 R1 will work for PISTON HALF, 880 523 C3)		25	109 461 FITTING, Grease
11	876 097 C1	"O" RING		26	PIN, Lock - Cylinder to Front Frame (2) (See Steering Linkage in Section 9)
12	894 206 C1	WASHER, Back-Up		27	CORD, Ring (See Steering Linkage in Section 9)
13	174 297 H1	CAP		28	PIN, Lock - Cylinder to Rear Frame (2) (See Steering Linkage in Section 9)
14	878 147 C1	PACKING, Rod		29	890 229 C1 WASHER (X)

(X) - As Required

HYDRAULIC COMPONENTS

MAIN CONTROL VALVE
(Husco 3952-5J)
(S/N 1001 to 1076)



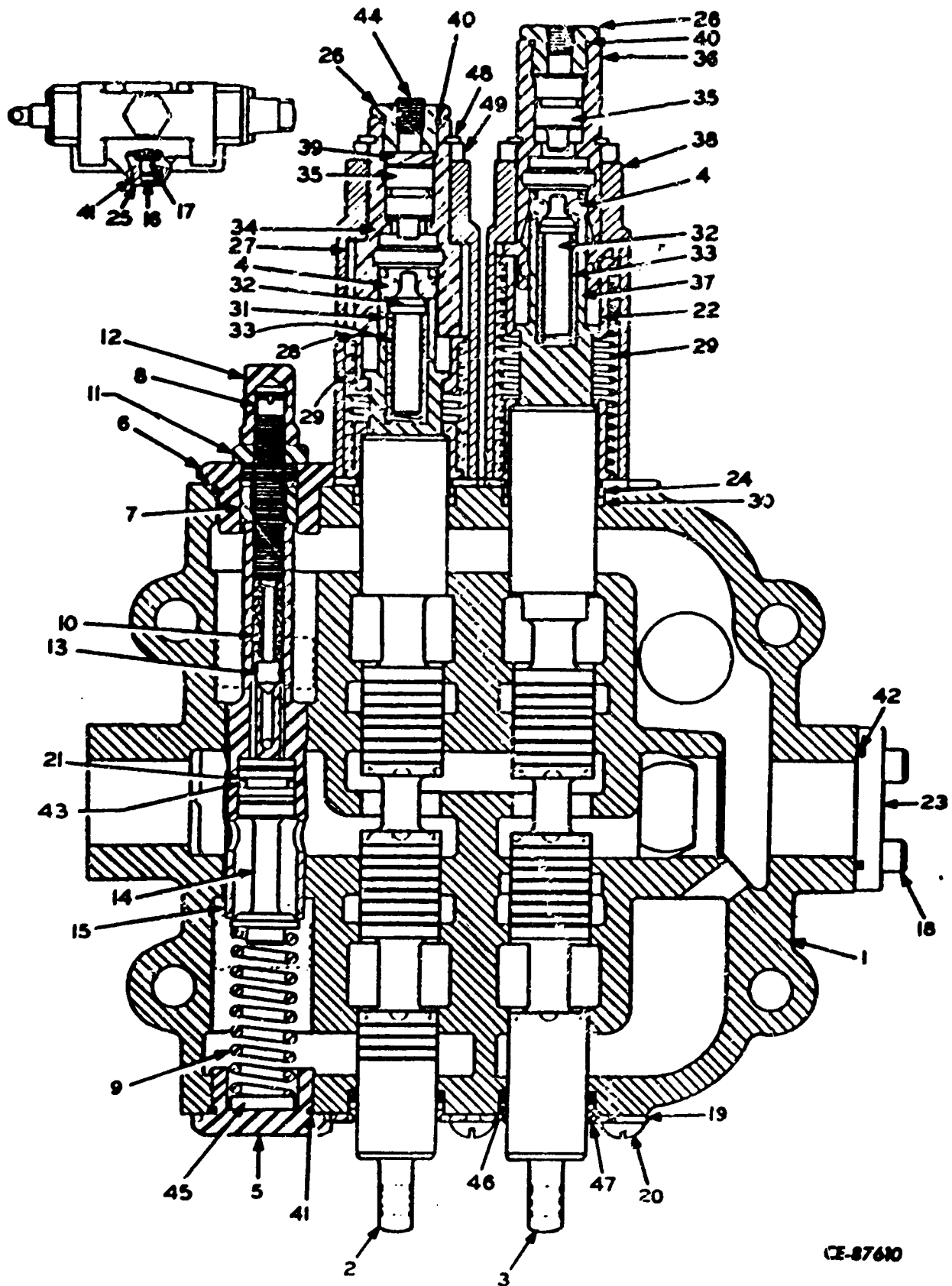
CE-87962

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MAIN CONTROL VALVE - Continued (Husco 3852-5J) (S/N 1001 to 1076)					
	195 678 H2	VALVE ASSEMBLY, (Includes Items 1 thru 45) (Order 214 222 H1 Main Control Valve)	#35	192 695 H1	PISTON (2)
			#36	192 696 H1	SLEEVE
1		HOUSING)	37	192 697 H1	PIN, Plunger
2		PLUGNER, Double Acting) Not	#38	192 698 H1	CAP, Plunger
3		PLUGNER, Double Acting) Separately	39	192 699 H1	SPACER
		Float)	40	369 269 R1	"O" RING, .924 x 1.156 x .116 (2)
4	16 012 R1	BALL	41	301 016 R1	"O" RING, 1.720 x 1.956 x .118 (5)
5	156 801 H1	PLUG, Relief Valve	42	310 936 R1	"O" RING, 2-1/4 x 2-1/2 x 1/8"
6	156 802 H1	PLUG, Relief Valve Pilot	43	301 016 R1 350 667 R1	"O" RING, 1-1/16 x 7/8 x 3/32" (2)
7	156 803 H1	SLEEVE, Adjusting	44	313 579 R1	"O" RING, 15/16 x 1-3/16 x 1/8"
8	156 804 H1	SCREW, Adjusting	45	444 691	PLUG, Pipe, 1/4"
9	156 805 H1	SPRING, Relief Valve		18 752 R1	SCREW, Cap 3/4 NC x) Valve 6-1/2" (4)) Mount-
10	156 806 H1	SPRING, Relief Valve Pilot		103 326	WASHER, Lock 3/4" (4)) ing
11	156 807 H1	NUT		208 090 H1	SPACER, (Used w/Item 9)
12	156 808 H1	NUT, Castle		214 496 H1	INSERT, (Used w/Items 31 and 37) (2)
13	156 809 H1	POPPET	*NOTE: On orders for Items 24 & 30 above, a 213 205 H1 Wiper Seal Service Kit will be supplied consisting of: (2) 213 206 H1 SCRAPER RING (2) 213 207 H1 SPACER RING (2) 213 208 H1 RETAINING RING (2) 212 955 H1 "O" RING		
14	156 810 H1	POPPET, Relief Valve			
15	156 311 H1	SLEEVE, Relief Valve			
16	156 813 H1	SPRING, Check Valve (3)			
17	156 814 H1	POPPET, Check Valve (3)			
18	156 815 H1	SCREW, Cap, Socket Head (8)	#Service of any one of these parts would require replacement with all of the new parts listed. It is recommended that both plungers be updated if either plunger is serviced.		
19	156 821 H1	PLATE, Seal (4)	BOOM PLUNGER		
20	156 822 H1	SCREW (4)	Old Part	Part Name	New Part
21	156 825 H1	RING, Back-up (4)	192 696 H1	Sleeve	214 492 H1
22	165 794 H1	SEAT, Spring (2)	192 698 H1	Cap	214 490 H1
23	176 197 H1	CAP	192 695 H1	Piston	205 565 H1
#24	176 198 H1	RING, Wiper (Used w/195 678 H1 Valve) (See Note) (4)	192 692 H1	Poppet	214 491 H1
25	176 440 H1	PLUG, Check Valve (3)		Snap Ring	214 494 H1
26	192 686 H1	PLUG, Special (2)		Spacer	214 495 H1
#27	192 687 H1	CAP, Plunger		BUCKET PLUNGER	
28	192 688 H1	SEAT, Spring (2)	Old Part	Part Name	New Part
29	192 689 H1	SPRING, (2 Used w/195 678 H1 Valve)	192 694 H1	Sleeve	214 491 H1
29	208 025 H1	SPRING, (Used w/195 678 H2 Valve)	192 687 H1	Cap	214 490 H1
#30	315 922 R1	"O" RING, 1-5/8 x 1-7/8 x 1/8" (See Note) (4)	192 695 H1	Piston	211 777 H1
31	192 691 H1	PIN, Plunger	192 692 H1	Poppet	214 491 H1
#32	192 692 H1	CAM, Detent (2)		Snap Ring	214 494 H1
33	192 693 H1	SPRING (2)		Spacer	214 495 H1
#34	192 694 H1	SLEEVE			

HYDRAULIC COMPONENTS

MAIN CONTROL VALVE
(Husco 3852-PB)
(S/N 1077 to 01241)



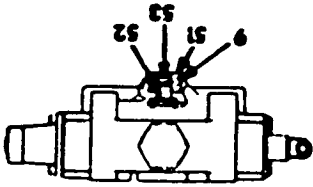
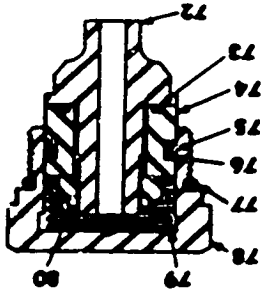
CE-87610

HYDRAULIC COMPONENTS

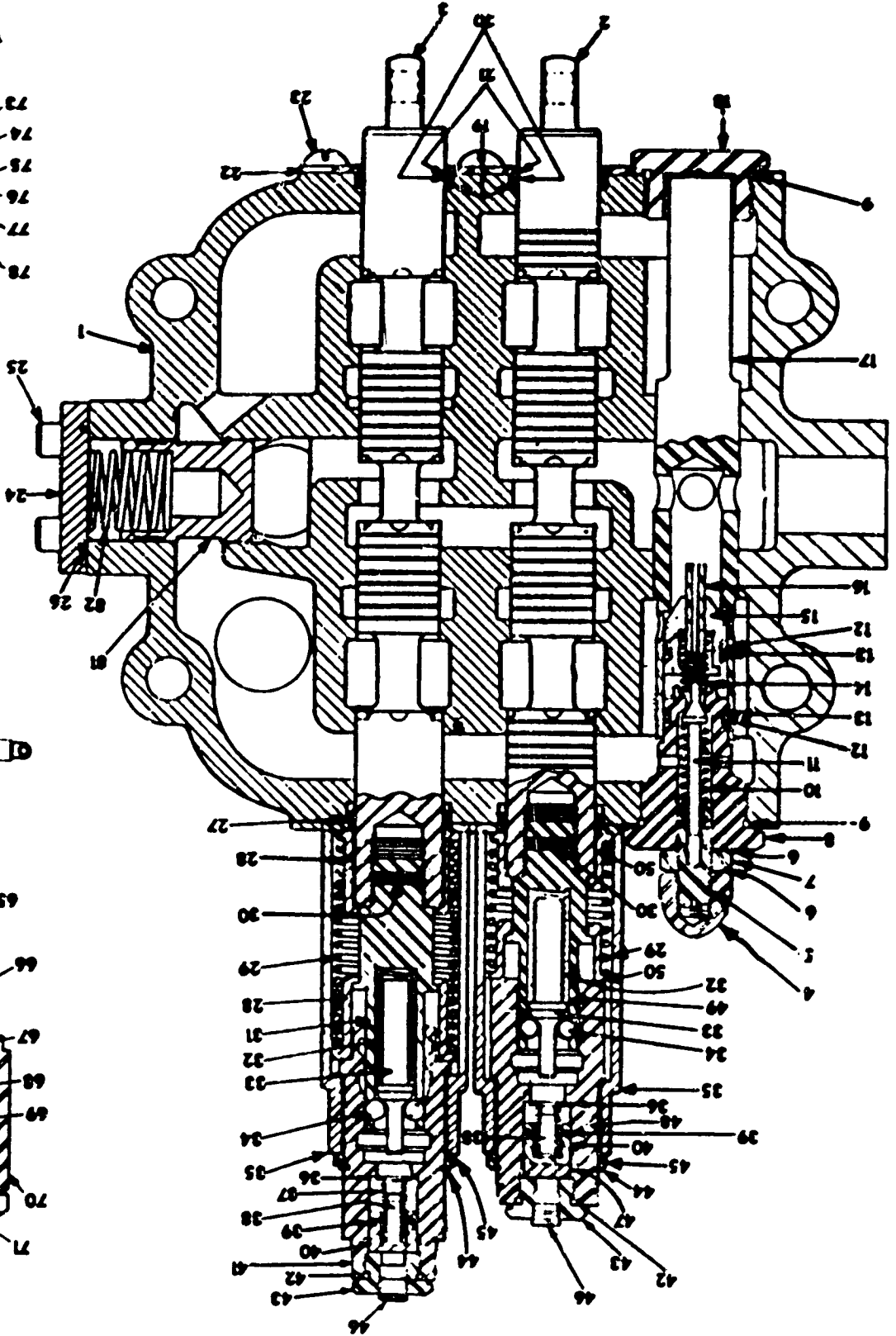
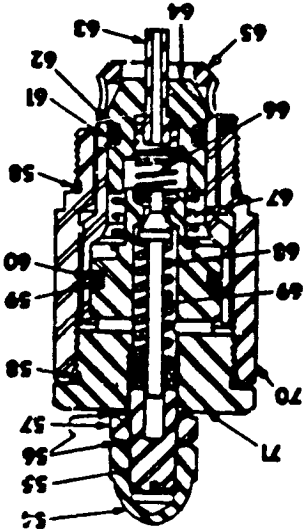
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MAIN CONTROL VALVE - Continued (Husco 3852-6B) (S/N 1077 to 01241)					
	214 222 HI	VALVE ASSEMBLY, (Includer Items 1 thru 47)	37	192 697 HI	PIN, Plunger
1		HOUSING)	38	214 490 HI	CAP, Plunger (2)
2		PLUNGER, Double Acting) Not	39	192 699 HI	SPACER
3		PLUNGER, Double Acting) Separately	40	368 269 R1	"O" RING, .924 x 1.156 x .116 (2)
		Float)	41	301 016 R1	"O" RING, 1.720 x 1.956 x .118 (5)
4	16 012 R1	BALL, (Replaced 111 387 HI) (8)	42	310 936 R1	"O" RING, 2-1/4 x 2-1/2 x 1/8"
5	156 801 HI	PLUG, Relief Valve	43	313 579 R1	"O" RING, 15/16 x 1-3/16 x 1/8"
6	156 802 HI	PLUG, Relief Valve Pilot	44	444 691	PLUG, Pipe 1/4"
7	156 803 HI	SLEEVE, Adjusting	45	208 090 HI	SPACER
8	156 804 HI	SCREW, Adjusting	46	213 207 HI	RING, Spacer (2)
9	156 805 HI	SPRING, Relief Valve	47	213 206 HI	RING, Scraper (2)
10	156 806 HI	SPRING, Relief Valve Pilot	48	214 404 HI	RING, Snap (2)
11	156 807 HI	NUT	49	214 495 HI	SPACER (2)
12	156 808 HI	NUT, Case	18 752 R1	18 752 R1	SCREW, Cap 3/4 NC x) Valve 6-1/2" (4)) Mount-
13	156 809 HI	POPPET	103 326	103 326	WASHER, Lock 3/4" (4)) ing
14	156 810 HI	POPPET, Relief Valve			
15	156 811 HI	SLEEVE, Relief Valve			
16	156 813 HI	SPRING, Check Valve (2)			
17	156 814 HI	POPPET, Check Valve (3)			
18	156 815 HI	SCREW, Cap (8)			
19	156 821 HI	PLATE, Seal (4)			
20	156 822 HI	SCREW (4)			
21	156 825 HI	RING, Back-up			
22	165 794 HI	SEAT, Spring (2)			
23	176 197 HI	CAP			
24	213 208 HI	RING, Retaining (2)			
25	176 440 HI	PLUG, Check Valve (3)			
26	192 686 HI	PLUG, Special (2)			
27	214 490 HI	CAP, Plunger (2)			
28	192 688 HI	SEAT, Spring (2)			
29	192 689 HI	SPRING (2)			
30	212 955 HI	"O" RING, 1.595 x 1.882 x .145 (4)			
31	192 691 HI	PIN, Plunger			
	214 476 HI	INSERT, Locking (Used w/ Items 31 & 37) (2)			
32	214 491 HI	CAM, Detent (2)			
33	192 693 HI	SPRING (2)			
34	214 493 HI	SLEEVE			
35	205 565 HI	PISTON (2)			
36	214 492 HI	SLEEVE			

Q-5

VOID CONTROL VALVE



Relief Valve

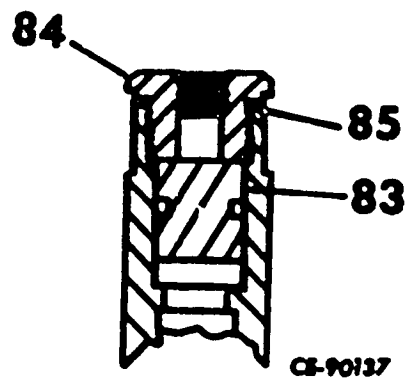


MAIN CONTROL VALVE
(Fusco 4702-3D)
(S/N 01242 & Up)

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MAIN CONTROL VALVE - Continued (Husco 4702-3B) (S/N 01242 & Up)					
	875 176 C93	VALVE ASSEMBLY, (Husco #4702-3C) S/N 01439 & up	33	214 491 H1	CAM (2)
	875 176 C91	VALVE ASSEMBLY, (Husco #4702-3A) (Order 875 176 C93 Valve Assembly) (See Note 1) 1242 thru 01312	34	16 012 R1	BALL (8)
	875 176 C92	VALVE ASSEMBLY, (Husco #4702-3B) (Includes Items 1 thru 80) (Order 375 176 C93) (See Note 2) 01313 thru 01438	35	214 490 H1	CAP, Plunger (2)
1	NSS	HOUSING	36	615 031 R1	WASHER, Flat 5/16" (2)
2	NSS	PLUNGER, Double Acting	37	878 221 C1	SPRING (2)
3	NSS	PLUNGER, Double Acting Float	38	878 223 C1	PIN, Guide (2)
4	208 945 H1	NUT, Castle	39	875 533 C1	"O" RING (2)
5	208 942 H1	SCREW, Adjusting	40	878 222 C1	PISTON (2)
6	208 943 H1	WASHER (2)	41	214 492 H1	SLEEVE (2)
7	208 944 H1	NUT, Jam	42	876 108 C1	"O" RING, .924 x 1.156 x .116 (2)
8	875 719 C1	PLUG, Relief Valve Pilot	43	878 224 C1	PLUG (2)
9	876 111 C1	"O" RING, 1.720 x 1.956 x .118 (5)	44	214 494 H1	RING, Snap (2)
10	208 941 H1	SPRING, Relief Valve Pilot	45	214 495 H1	SPACER (2)
11	208 939 H1	POPPET	46	444 691	PLUG, Pipe 1/4" (2)
12	875 718 C1	RING, Back-up (2)	47	192 699 H1	SPACER
13	876 065 C1	"O" RING, 3/4 x 15/16 x 3/32" (2)	48	214 493 H1	SLEEVE
14	208 937 H1	SPRING	49	192 691 H1	PIN, Plunger
15	875 709 C1	POPPET	50	192 688 H1	SEAT, Spring (2)
16	208 940 H1	PISTON	51	156 812 H1	PLUG, Check Valve (3)
17	875 720 C1	SLEEVE	52	156 814 H1	POPPET, Check Valve (3)
18	156 801 H1	PLUG	53	156 813 H1 216 971 H1	SPRING, Check Valve (3) VALVE, Cylinder Relief (Includes Items 54 thru 71) (2)
19	212 955 H1	"O" RING, 1.595 x 1.867 x .118 (4)	54	208 945 H1	NUT, Acorn
20	213 207 H1	RING, Spacer (2)	55	208 942 H1	SCREW, Adjusting
21	213 206 H1	RING, Spacer (2)	56	208 943 H1	WASHER (2)
22	156 821 H1	PLATE, Seal (4)	57	208 944 H1	NUT, Jam
23	156 822 H1	SCREW, Machine, Rd. Head (4)	58	876 111 C1	"O" RING, 1.720 x 1.956 x .116 (2)
24	176 197 H1	PLATE, End	59	208 933 H1	RING, Back-up
25	126 815 H1	SCREW, Cap (8)	60	876 070 C1	"O" RING, 1-1/4 x 1-1/2 x 1/8"
26	876 077 C1	"O" RING, 2-1/4 x 2-1/2 x 1/8"	61	876 068 C1	"O" RING, 7/8 x 1-1/8 x 1/8"
27	213 208 H1	RING, Retaining (2)	62	208 946 H1	RING, Back-up
28	165 794 H1	SEAT, Spring (2)	63	208 940 H1	PISTON
29	192 689 H1	SPRING, Plunger (2)	64	208 947 H1	POPPET
30	214 496 H1	INSERT (2)			Note 1: To convert valve assembly from 875 176 C91 to 875 176 C92 order 878 140 C91 valve rework assembly.
31	192 677 H1	PIN, Plunger			Note 2: To convert 875 176 C92 to 875 176 C93 order Kit 883 139 C91.
32	192 693 H1	SPRING, Cam (2)			

HYDRAULIC COMPONENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
MAIN CONTROL VALVE - Continued (Husco 4702-3B) (S/N 01242 & Up)					
65	208 949 H1	POPPET			
66	208 937 Hp	SPRING			
67	212 502 H1	SPRING			
68	208 941 H1	SPRING			
69	208 939 H1	POPPET			
70	208 938 H1	CAP			
71	208 948 H1 208 561 H1	PLUG VALVE, Void (Includes Items 72 thru 80) (2)			
72	212 499 H1	POPPET			
73	90 961 R1	"O" RING			
74	212 498 H1	SPACER			
75	208 933 H1	RING, Back-up			
76	876 070 C1	"O" RING, 1-1/4 x 1-1/2 x 1/8"			
77	876 111 C1	"O" RING			
78	208 934 H1	PLUG			
79	212 501 H1	SPRING			
80	17 296 R1 18 752 R1 103 326 878 140 C91	NUT, Esna 3/4 x 16" NF SCREW, Cap 3/4 x 6-1/2" NC (4) WASHER, Lock 3/4" (4) VALVE REWORK ASSEMBLY, (Includes Items 36 thru 40, 42 & 43) (See Note 2) (2)			
81	883 166 C1	POPPET S/N 01439 & up			
82	883 168 C1 883 139 C1	SPRING S/N 01439 & up KIT, Check Valve (Consists of - 1 POPPET 1 SPRING			883 166 C1 883 168 C1)
83	205 565 H1	PISTON (2)			) Use on) 875 176 C91
84	192 686 H1	PLUG (2)			) Valve Assembly) Only (See) Drawing
85	876 108 C1	"O" RING, .924 x 1.156 x .116 (2)			) Below)

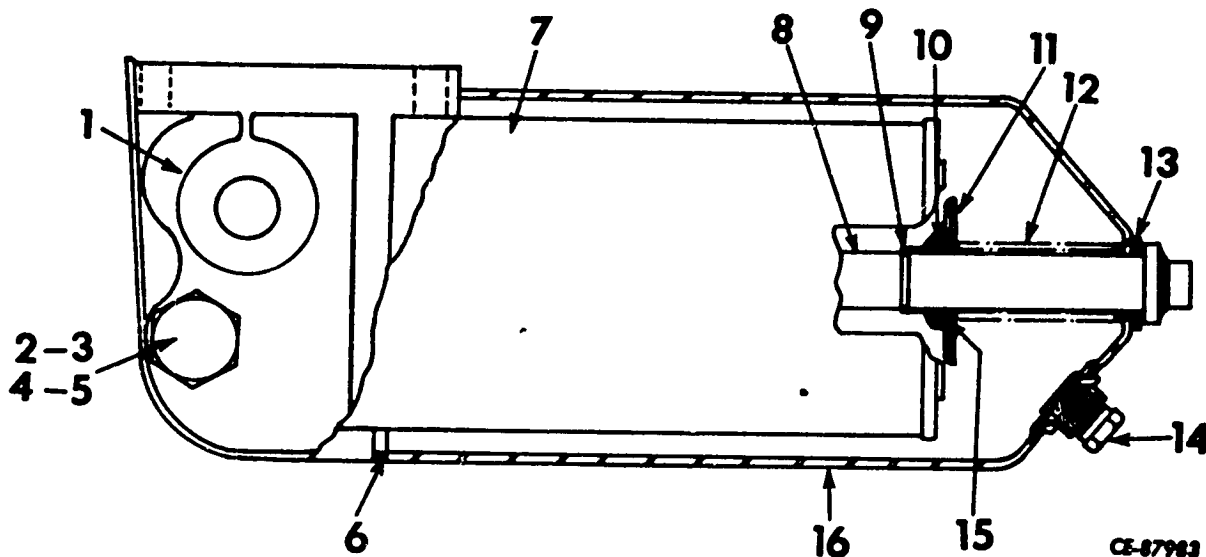


Note 2: To convert 875 176 C92 to 875 176 C93 order Kit 883 139 C91.

HYDRAULIC COMPONENTS

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



	877 380 C91	OIL FILTER ASSEMBLY, (Together with Elbow 9 402 867 and Elbow 9 402 828 will work for Filter 173 940 H1) (Includes the following)		8	880 625 C1	STUD, Center
				9	132 543 H1	RING, Retaining
1	191 479 H1	BASE ASSEMBLY, Oil Filter (Includes Ref. Nos. 2 to 5)		10	131 567 H1	GASKET, Center Stud
2	191 474 H1	PLUG		11	131 566 H1	RETAINER, Element
3	191 477 H1	GASKET, Plug		12	191 105 H1	SPRING, Retainer
4	191 475 H1	SPRING		13	131 574 H1	GASKET, Center Stud
5	191 476 H1	VALVE		14	165 714 H1	PLUG, Drain
6	131 571 H1	GASKET		15	191 106 H1	WASHER
7	131 570 H1	PACKAGE, Oil Filter Element (Consists of Element and Gasket 131 571 H1)		16	880 624 C91	OIL FILTER SHELL AND STUD ASSEMBLY, (Includes Ref. Nos. 8 thru 16)

SECTION 12

ELECTRICAL SYSTEM

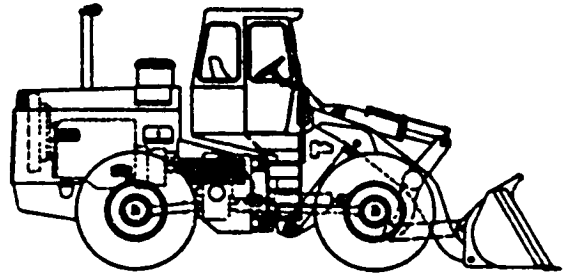


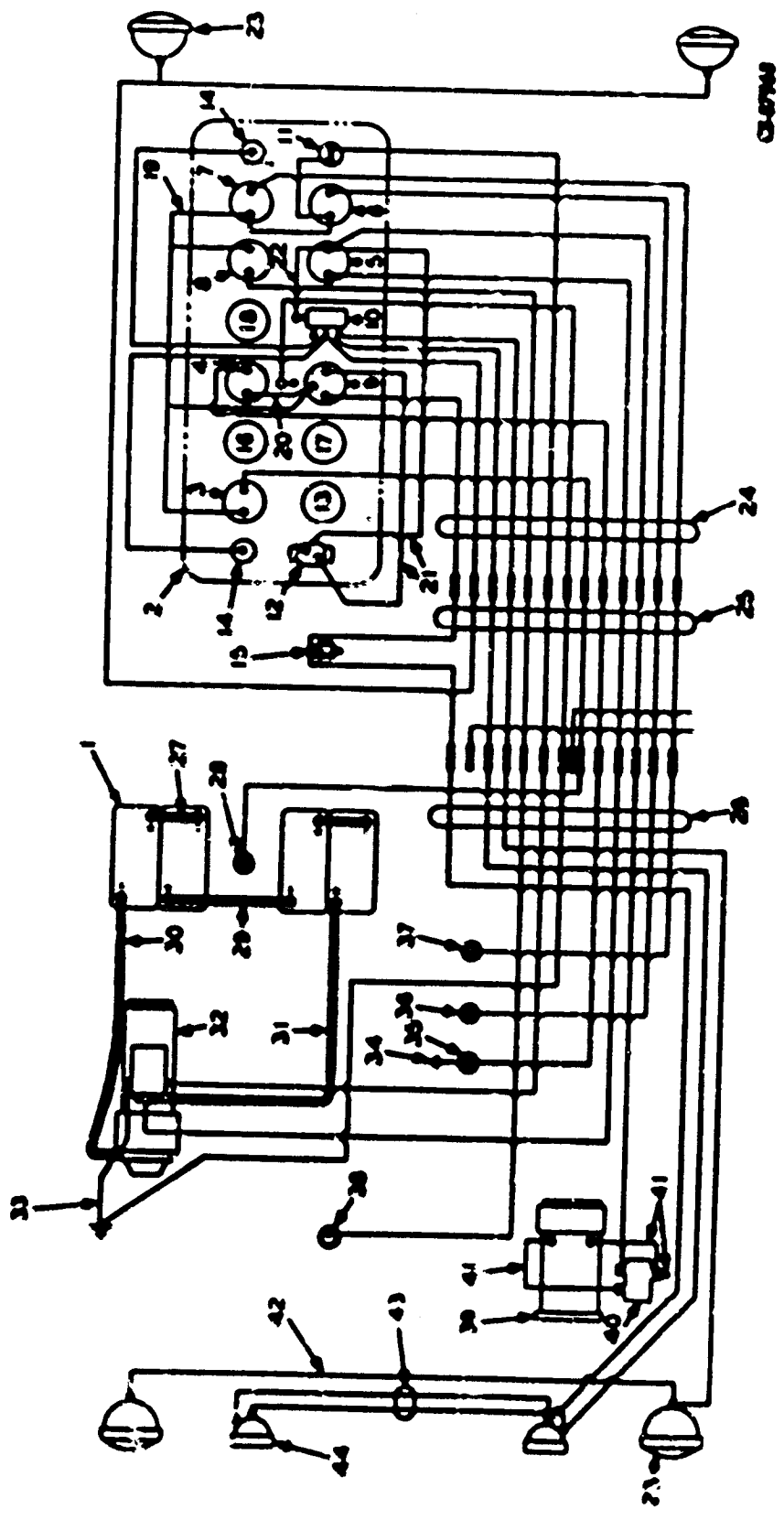
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REFER TO ALPHABETICAL INDEX GRID A-3

ELECTRICAL SYSTEM

WIRING (INC)
(Two Piece Harness)



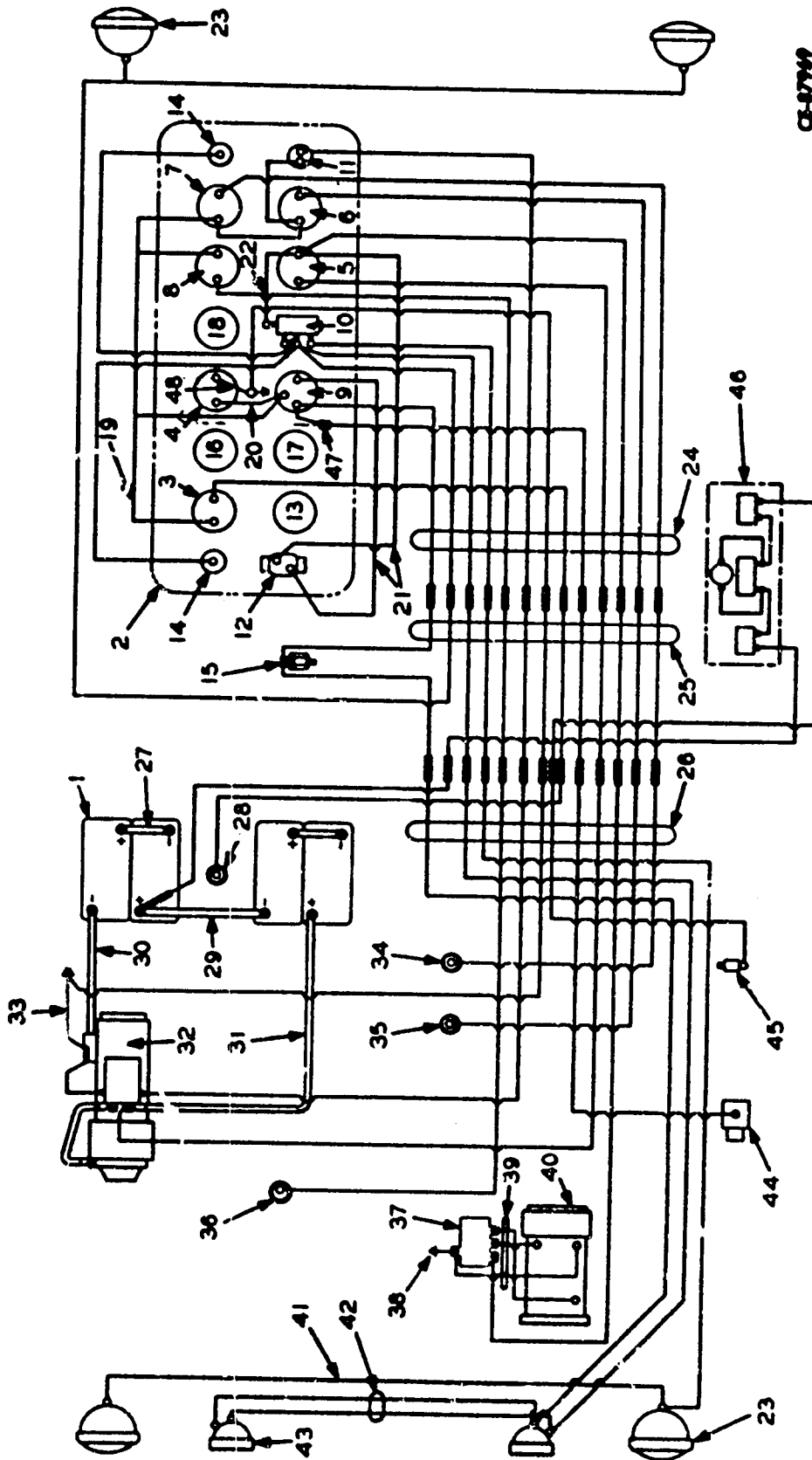
ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (IHC) - Continued (Two Piece Harness)					
1		BATTERY, (Presto Lite 26-2169C) (4)	32		STARTER, (See I. H. C Engine Manual) (REF)
2	132 226 H1 120 217 120 614	PANEL, Instrument (See Section 1) SCREW) Instrument WASHER, Lock) Panel NUT) to Ground	33	183 039 H1 181 431	CABLE, Starter Ground SCREW, Cap 1/2 x) 1-1/2" NF) Starter to WASHER (2)) Ground NUT, Hex 1/2")
3	187 319 H1	GAUGE, T. C. Temperature, Dash		163 839 H1 103 028	
4	187 364 H2	HOURLY METER, Dash	34	136 395 H1	WIRE, Pressure Switch Ground
5	HL-3151	AMMETER, Dash	35	126 287 H1	SWITCH, Pressure, Hourmeter
6	187 318 H1	GAUGE, Engine Temperature, Dash	36	HL-3685 173 443 H1	SENDER, Engine Oil Pressure SCREW, Set (4)
7	187 316 H1	GAUGE, Engine Oil Pressure, Dash	37	HL-3685	SENDER, Engine Oil Pressure
8	187 317 H1	GAUGE, Fuel, Dash	38	154 051 H1 107 755 H1 163 578 H1	SENDER, Fuel Tank GASKET SCREW, (Replaces 161 316 H1 Screw & 108 498 H1 Washer) (5)
9	190 345 H1	SWITCH, Ignition			
10	107 749 H1	SWITCH, Light	39		GENERATOR, (See I. H. C. Engine Manual)
11	109 214 H1	SWITCH, Starter	40		REGULATOR, Voltage (See Engine Manual)
12	140 758 H1 168 752 H1 121 841 120 622	BREAKER, Circuit SCREW, Machine (2)) Breaker WASHER, Lock (2)) Mount- NUT (2)) ing		163 855 H2 181 314	BRACKET SCREW, Cap 1/4 x) Voltage 7/8" NF (2)) Regulator WASHER, Lock 1/4" (2)) Bracket NUT, 1/4" NF (2)) to Engine
13	432 580	PLUG, Button		103 319 103 024	
14		LAMP ASSEMBLY, Dash (See Lighting in this section)		181 339	SCREW, Cap 5/16 x) 1NF (4)) Regulator
15	112 339 H2	SWITCH, Stop Light		103 320 103 025	WASHER, Lock 5/16" (4)) to Bracket NUT, Hex 5/16" NF (4))
16		GAUGE, Hydraulic Oil Pressure (See Section 10)	41		WIRE, Ground (Furnished w/Regulator)
17		GAUGE, Transmission Clutch Pressure (See Section 10)	42	124 946 H1	WIRE, Jumper
18		GAUGE, Air Pressure (See Section 13)	43	153 976 H1	LOOM, Jumper, Stop Lights
19	196 943 H1	WIRE, Instrument Jumper	44		LIGHT, Tail & Stop (See Lighting in this section) (2)
20	187 396 H1	WIRE, Hourmeter to Ignition Switch		103 319 103 024	WASHER, Lock 1/4" (4)) Bracket NUT, Hex 1/4" NF (4)) Mounting
21	140 719 H1	WIRE, Ignition Switch to Circuit Breaker		168 344 H1 104 469 H1 181 315	SCREW (4)) Wires to WASHER, Lock (4)) Tail Lights SCREW, Cap 1/4 x) 1" NF (2)) Harness
21	140 719 H1	WIRE, Light Switch to Circuit Breaker		103 024 103 319	NUT, Hex 1/4" NF (2)) to Frame WASHER, Lock 1/4" (2))
22	178 281 H1	WIRE, Ammeter to Light Switch		141 453 H1 102 634 103 320	CLAMP, Harness to Frame (3) NUT, Hex 5/16" NC (3)) Bolt WASHER, Lock 5/16" (3)) Studs on
23		LAMP ASSEMBLY, (See Lighting in this section) (4)		615 031 R1	WASHER, Flat 5/16") Frame
24	196 806 H1	LOOM, Instrument Panel		132 226 H1 106 497 132 222 H1	SCREW, Machine (6)) WASHER, Lock (6)) Ground NUT (6))
25	196 807 H2	HARNES,) Order Harness Wiring) 213 979 H1, Strap) 139 017 H1 (4), Clamp		136 139 H1 161 043 H1	CLAMP, Harness to Rear Frame CLAMP, Front Driving Lite Wire to Angle (3)
26	196 808 H1	HARNES,) 141 453 H1 (3), and Lug Wiring) 214 988 H1		129 668 H1	CLAMP, Wiring Harness at Converter to Flywheel Housing (3)
27	116 949 H1 143 142 H1	CABLE, Battery Jumper (2) CLAMP, Harness		204 732 H1 103 026 106 263 153 436 H1	CLAMP, Battery Cables to Bulkhead NUT, Hex 3/8" NF) Wiring Harness Under WASHER, Flat) Side of Seat Deck CLAMP, Cable Jumper to Bulkhead Boss
28	157 996 H1	SENDER, Temperature, T. C.		181 331 103 320 167 685 H1	SCREW, Cap 5/16 NF x 1/2" WASHER, Lock 5/16" GROMMET, Battery Cable through Bulkhead (4)
29	196 978 H1	CABLE, Battery Jumper		158 159 H1 139 016 H1	CLAMP, Harness to Frame (3) STRAP, Harness to Lower Tubes Front Frame
30	881 635 C1	CABLE, Battery to Starter (-)			
31	881 636 C1	CABLE, Battery to Starter (+)			

ELECTRICAL SYSTEM

WIRING (Cummins)
(Two Piece Harness)

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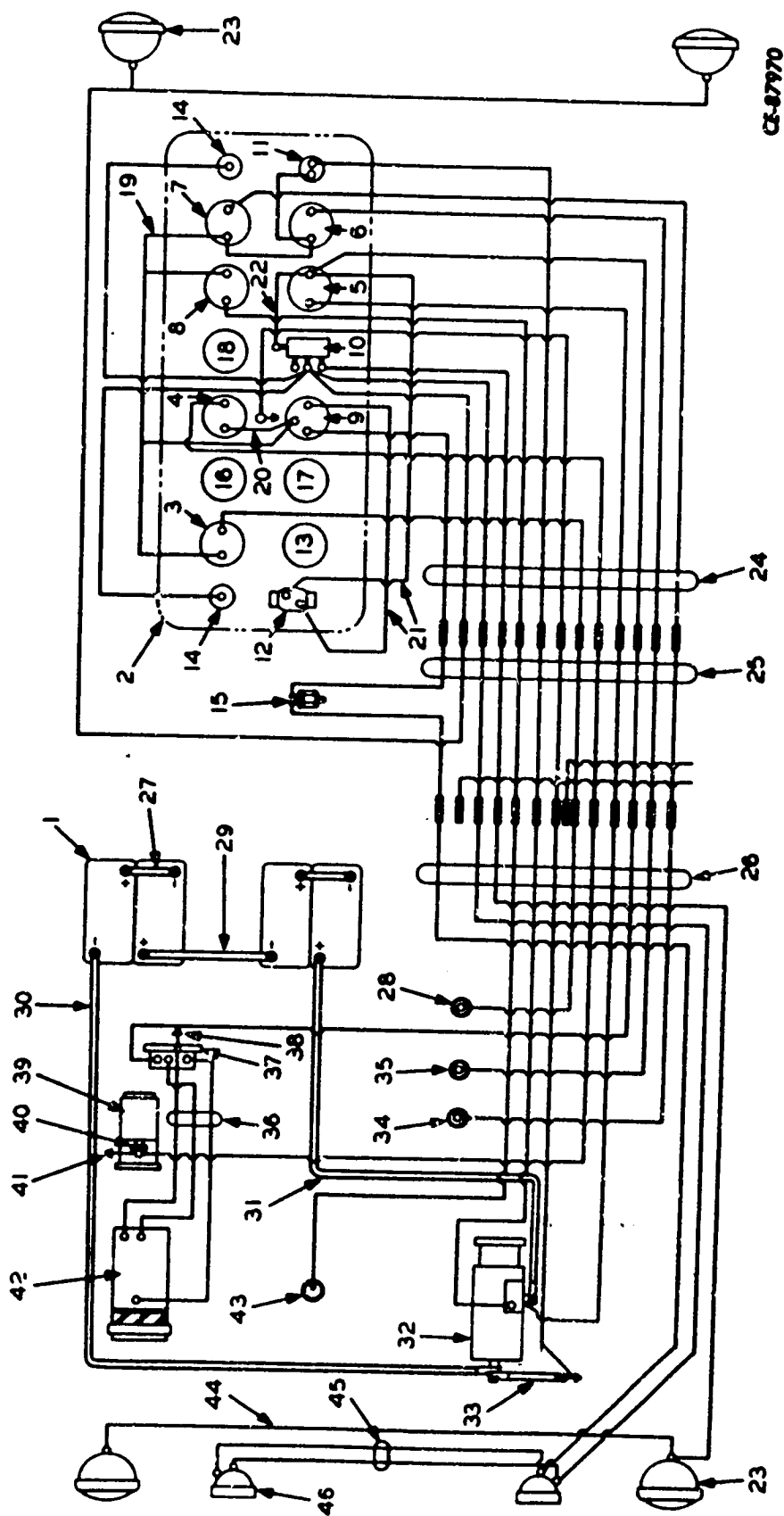


ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (Cummins) - Continued					
(Two Piece Harness)					
1		BATTERY, (Presto Lite, 26-2169C) (4)	35	157 996 H1	SENDER, Temperature, Engine
2		PANEL, Instrument (See Section 1)	36	154 051 H1	SENDER UNIT, Fuel Tank
	132 226 H1	SCREW) Instrument		107 755 H1	GASKET, Tank
	120 217	WASHER, Lock #10) Panel		163 578 H1	SCREW, (Replaces 161 316 H1 Screw & 108 498 H1 Washer) (5)
	120 614	NUT, Hex #10-32) Grd.			
3	187 319 H1	GAUGE, T. C. Temperature, Dash	37		REGULATOR, Voltage (See Cummins Engine Manual)
4	187 364 H1	HOURMETER		199 902 H1	BRACKET, Voltage Regulator
5	HL-3151	AMMETER		181 318	SCREW, Cap 1/4 NF x) 1-3/8" (4)) Regulator
6	187 318 H1	GAUGE, Engine Temperature, Dash		103 319	WASHER, Lock 1/4" (2)) to Bracket
7	187 316 H1	GAUGE, Oil Pressure, Dash		103 024	NUT, Hex 1/4" NF (2))
8	187 317 H1	GAUGE, Fuel, Dash		179 879	SCREW, Cap 1/2 NC x) Regulator 3/4" (2)) Bracket
9	190 345 H1	SWITCH, Ignition		103 323	WASHER, Lock 1/2" (2)) to
10	107 749 H1	SWITCH, Light		106 265	WASHER, Flat 1/2") Engine
11	109 214 H1	SWITCH, Starter	38	119 231 H1	WIRE, Ground
12		BREAKER, Circuit	39	178 280 H1	LOOM
	140 758 H1	SCREW, Machine (2))	40		GENERATOR, (See Cummins Engine Manual)
	168 752 H1	WASHER, Lock #8 (2)) Circuit	41	124 946 H1	WIRE, Jumper, Back-up Lights
	121 841	NUT, Hex #8-32 (2)) Breaker	42	153 976 H1	LOOM, Jumper, Stop Lights
	120 622		43		LIGHT, Tail & Stop, (See Lighting in this section) (2)
13	432 580	BUTTON, Plug	44		SWITCH, Fuel Solenoid (See Cummins Engine Manual)
14		LAMP, Dash (See Lighting in this section) (2)	45		PLUG, Glow (See Cummins Engine Manual)
15	112 339 H2	SWITCH, Stop Light	46	171 823 H1	COLD WEATHER STARTING UNIT
16		GAUGE, Hydraulic Oil Pressure (See Section 10)	47	193 848 H1	WIRE, Loom to Ignition Switch
17		GAUGE, Transmission Clutch Pressure (See Section 10)	48	187 396 H1	WIRE, Hourmeter to Ground
18		GAUGE, Air Pressure (See Section 13)			CLAMPS
19	196 943 H1	WIRE, Jumper, Instrument		129 668 H1	CLAMP, Wiring Harness Converter to Flywheel Housing (3)
20	187 396 H1	WIRE, Hourmeter to Ignition Switch		158 159 H1	CLAMP, Harness to Frames (3)
21	140 719 H1	WIRE, Ign. Switch to Circuit Breaker		183 039 H1	CLAMP, Starter to Ground
21	140 719 H1	WIRE, Ammeter to Circuit Breaker		132 226 H1	SCREW, Machine (6))
22	178 281 H1	WIRE, Ammeter to Light Switch		106 497	WASHER, Lock (6)) Ground
23		LAMP ASSEMBLY, (See Lighting in this section) (4)		132 222 H1	NUT (6))
24	196 806 H1	LOOM, Instrument Panel		136 139 H1	CLAMP, Harness to Rear Frame
25	196 807 H1	HARNES,) Order Harness		161 043 H1	CLAMP, Front Driving Light Wire to Angle (3)
		Wiring) 213 980 H1, Strap, 139017H1		204 732 H1	CLAMP, Battery Cables to Bulkhead
		) 141 453 H1 (3), and		138 793 H1	CLAMP
		Wiring) Lug 214 988 H1		181 431	SCREW, Cap 1/2 NF x) 1-1/2") Starter
26	197 343 H2	HARNES,) 141 453 H1 (3), and		163 839 H1	WASHER (2)) Ground
		Wiring) Lug 214 988 H1		154 055 H1	CLIP
	143 142 H1	CLAMP, Harness (2)		107 544 H1	GROMMET
27	116 949 H1	CABLE, Battery Jumper (2)		141 453 H1	CLAMP, Harness to Frame (2)
28	157 996 H1	SENDER, Temperature, T. C.		102 634	NUT, Hex 5/16" NC (3)
29	196 978 H1	CABLE, Battery Jumper		103 320	WASHER, Lock) Bolt Studs on
30	881 636 H1	CABLE, Battery to Starter (-)		615 031 R1	WASHER, Flat 5/16") Front Frame
	102 818 H1	CLAMP		181 315	SCREW, Cap 1/4" NF (2)) Harness
31	130 974 H1	CABLE, Battery to Starter (+)		103 024	NUT, Hex 1/4" NF (2)) to Rear
32		STARTER, (See Cummins Engine Manual)		103 319	WASHER, Lock 1/4" (2)) Frame
33	183 039 H1	CABLE, Starter to Ground		103 026	NUT, Hex 3/8") Wiring Harness
34	HL-3685	SENDER, Engine Oil Pressure		103 321	WASHER, Lock 3/8") to Under Side of Seat Deck
				139 016 H1	STRAP, Harness to Lower Tubes Front Frame
				143 142 H1	CLAMP, Harness to Hose & Linkage Support
				158 159 H1	CLAMP, Harness to Rear Frame
				102 818 H1	CLAMP, Cable to Bulkhead Base
				181 331	SCREW, Cap 5/16 NF x) Clamp 1/2") Mtg. to
				103 320	WASHER, Lock) Bulkhead

ELECTRICAL SYSTEM

WIRING (Detroit Diesel)
(Two Piece Harness)



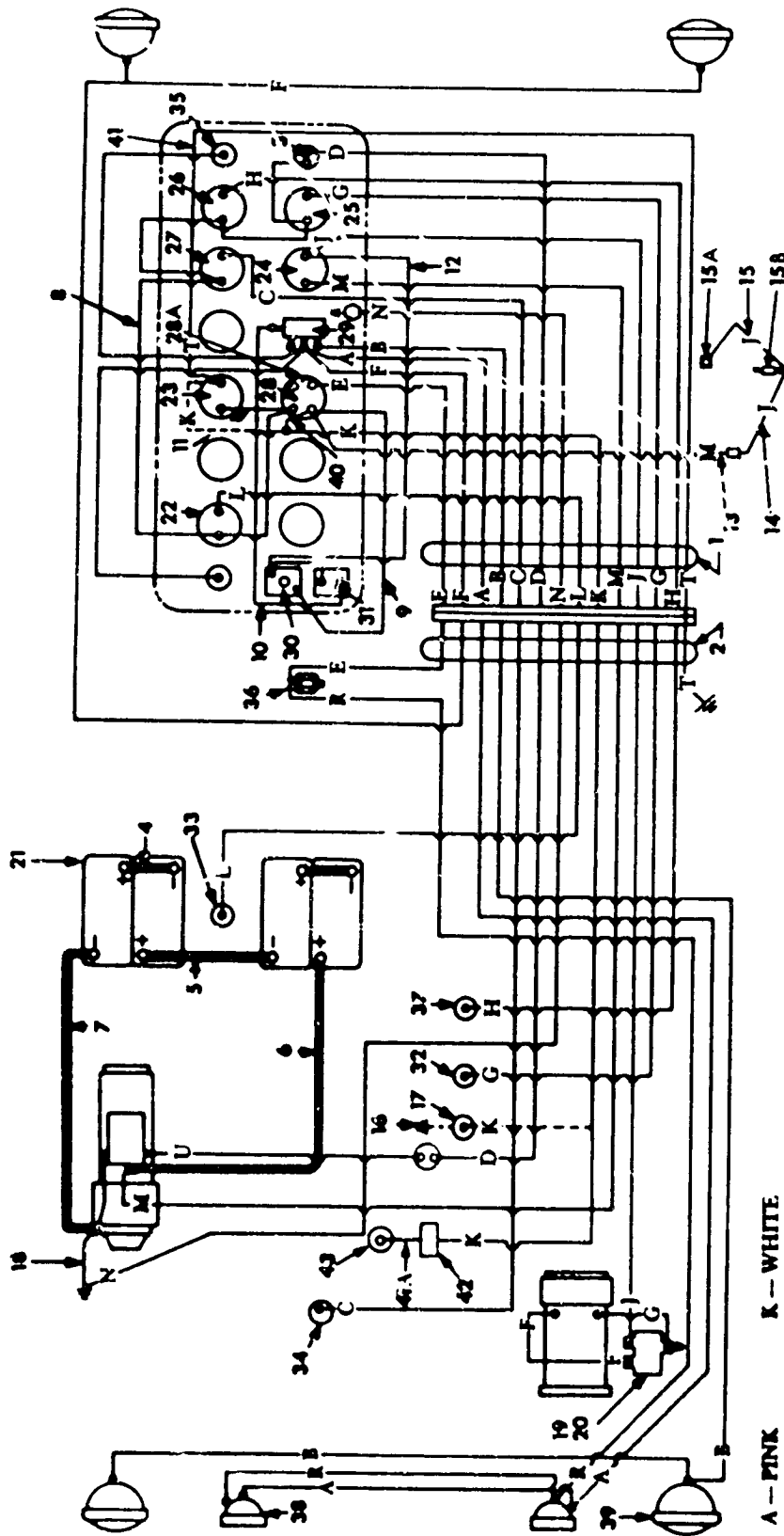
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ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (Detroit Diesel) - Continued (Two Piece Harness)					
1		BATTERY, (Presto Lite 26-2169C) (4)	37		REGULATOR, (See your Detroit Diesel Engine Dealer)
2		PANEL, Instrument (See Section 1)	153 855 H2		BRACKET, Voltage Regulator
	132 226 H1	SCREW) Inst.	181 339		SCREW, Cap 5/16 NF x)
	120 217	WASHER, Lock #10) Panel			1" (6)) Regulator
	120 614	NUT, Hex R-32) Ground	103 320		WASHER, Lock (6)) Mounting
			103 025		NUT, 5/16" NF (4))
3	187 319 H1	GAUGE, T.C. Temperature, Dash	38	119 231 H1	WIRE, Ground - Regulator
4	187 364 H1	HOURMETER	39		COMPRESSOR, Air (See your Detroit Diesel Engine Dealer)
5	HL-3151	AMMETER	40	126 287 H1	SWITCH, Pressure - Hourmeter
6	187 318 H1	GAUGE, Engine Temperature, Dash	41	143 863 H1	WIRE, Hourmeter Pressure Switch to Ground
7	187 316 H1	GAUGE, Engine Oil Pressure, Dash	42		GENERATOR, (See your Detroit Diesel Engine Dealer)
8	187 317 H1	GAUGE, Fuel, Dash	43	154 051 H1	SENDER, Unit, Fuel Tank
9	190 345 H1	SWITCH, Ignition	107 755 H1		GASKET, Tank Sender
10	107 749 H1	SWITCH, Light	163 578 H1		SCREW, (Replaces 181 316 H1 Screw & 108 478 H1 Washer) - Tank Sender Attaching (5)
11	109 214 H1	SWITCH, Starter	44	124 946 H1	WIRE, Jumper - Buck-up Lights
12		BREAKER, Circuit	45	153 976 H1	LOOM, Jumper - Stop Lights
	168 752 H1	SCREW, Machine, Rd. Hd. (2)) Circuit	46		LIGHT, Combination Tail & Stop (See Lighting in this section)
	121 841	WASHER, Lock (2)) Breaker			WIRE, Ground - Engine Shutdown
	120 622	NUT (2))			WIRE, Ground - Emerging Shutdown Solenoid
13	432 580	PLUG, Button		117 240 H1	SWITCH, P. B. Emergency & Engine Shutdown (2)
14		LAMP, Dash, See Lighting in this section (2)		HA-1359	WIRE, Jumper - Ammeter to Shutdown Solenoid
15	112 339 H2	SWITCH, Stop Light		109 214 H1	
16		GAUGE, Hydraulic Oil Pressure (See Section 10)		206 998 H1	
17		GAUGE, Transmission Clutch Pressure (See Section 10)			CLAMPS
18		GAUGE, Air Pressure (See Section 13)	102 818 H1		CLAMP, Cable Jumper to Bulkhead Boss
19	196 943 H1	WIRE, Instrument Jumper	181 331		SCREW, Cap 5/16 x) Jumper
20	187 396 H1	WIRE, Hourmeter to Ignition Switch			1/2" NF) Clamp
21	140 719 H1	WIRE, Ignition Switch to Circuit Breaker	103 320		WASHER, Lock 5/16") Mounting
21	140 719 H1	WIRE, Light Switch to Circuit Breaker	204 732 H1		CLAMP, Cables to Bulkhead (2)
22	178 281 H1	WIRE, Ammeter to Light Switch	158 159 H1		CLAMP, Harness to Frames (3)
23		LAMP ASSEMBLY, (See Lighting in this section)	132 226 H1		SCREW, Machine (6))
24	196 806 H2	LOOM, Instrument Panel	106 497		WASHER, Lock (6)) Ground
25	196 807 H2	HARNESS,) Order Harness	132 222 H1		NUT (6))
		Wiring) 213 934 H1, Strap	136 139 H1		CLAMP, Harness to Rear Frame
		) 139 017 H1 (4), Clamp	161 043 H1		CLAMP, Front Driving Light Wire to Angle (3)
26	197 451 H2	HARNESS,) 141 453 H1 (3), and	129 668 H1		CLAMP, Harness at Converter to Flywheel Housing (3)
		Wiring) Lug 214 988 H1	139 016 H1		STRAP, Harness to Lower Tubes Front Frame
	143 142 H1	CLAMP, Harness to Hose Support	181 431		SCREW, Cap 1/2 NF x)
27	116 949 H1	CABLE, Battery Jumper (2)			1-1/2") Starter
28	157 996 H1	SENDER, Engine Temperature	163 839 H1		WASHER, Shake Proof (2)) Ground
29	196 978 H1	CABLE, Battery Jumper	103 028		NUT, Hex 1/2" NF)
30	201 376 H1	CABLE, Battery to Starter (-)	181 431		SCREW, Cap 1/2 NF x) Battery
31	153 969 H1	CABLE, Battery to Starter (-)			1-1/2") Ground
32		STARTER, (See your Detroit Diesel Engine Dealer)	163 839 H1		WASHER, Shake Proof (2)) to
33	183 039 H1	CABLE, Starter Ground	103 028		NUT, Hex 1/2" NF) Frame
34	HL-3689	SENDER, Engine Oil Pressure	141 453 H1		CLAMP, Harness to Frame (2)
	41 539	BUSHING, Reducer	102 634		NUT, Hex 5/16" NC (3)) Bolt
35	157 996 H1	SENDER, Engine Temperature	103 320		WASHER, Lock (3)) Stud on
36	184 536 H1	HARNESS, Generator to Regulator	106 261		WASHER, Flat) Frame
			181 313		SCREW, Cap 1/4 NF x)
			103 024		1" (2)) Harness
			103 319		NUT, Hex 5/16" NF (2)) to Frame
			139 016 H1		WASHER, Lock 1/4" (2))
			103 026		STRAP, Harness to Lower Tubes Front Frame
			103 321		NUT, Hex 3/8" NF) Wiring Harness to Under Side of Seat Deck
					WASHER, Lock 3/8")

ELECTRICAL SYSTEM

WIRING (IHC)
(One Piece Harness)



CE-87971 A

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (HFC) - Continued (One Piece Harness)					
1	196 806 H4 121 841 132 226 H1 120 217	LOOM, Instrument Panel WASHER, Lock =8) Panel SCREW) to WASHER, Lock =10) Ground	23	187 364 H2	HOURMETER, Dash
2	213 979 H2	HARNESS, Wiring	24	HL-3151	AMMETER, Dash
3	109 214 H1 143 142 H1	SWITCH, Starter CLAMP, Harness (2)	25	187 318 H1	GAUGE, Engine Temperature, Dash
4	116 949 H1	CABLE, Battery Jumper (2)	26	187 316 H1	GAUGE, Engine Oil Pressure, Dash
5	196 978 H1	CABLE, Battery Jumper	27	187 317 H1	GAUGE, Fuel, Dash
6	381 635 C1	CABLE, Battery to Starter (Pos.)	28	877 123 C91	SWITCH, Ignition (Together with Wire Jumper 101 981 H1 will work for Ignition Switch 190 345 H1)
7	881 636 C1	CABLE, Battery to Starter (Neg.)	29A	101 981 H1	WIRE, Jumper Ignition (Used with Ignition Switch 877 123 C91)
8	196 943 H1	WIRE, Instrument Jumper, Grommet Battery Cable through Bulkhead (2)	29	107 749 H1	SWITCH, Light
9	140 719 H1	WIRE, Ignition Switch to Circuit Breaker	30	214 278 H1	BREAKER, Circuit
10	140 719 H1	WIRE, Light Switch to Circuit Breaker	31	140 758 H1 168 752 H1 121 841 120 622	BREAKER, Circuit SCREW, Machine (4) WASHER, Lock (4)) Breaker Mtg. NUT, Hex 8-32 (4))
11	187 396 H1	WIRE, Hourmeter to Ignition Switch (#)	32	157 996 H1	SENDER, Temperature, Engine
12	214 272 H1	WIRE, Ammeter to Circuit Breaker	33	157 996 H1	SENDER, Temperature, T. C.
13	215 232 H1	WIRE, Ignition Switch to Connector (+)	34	154 051 H1 107 755 H1 163 578 H1	SENDER, Fuel Tank GASKET SCREW, (Replaces 161 316 H1 Screw & 108 498 H1 Washer) - Sender Mounting
14	215 233 H1	WIRE, Connector to Handbrake Switch (+)	35		LAMP ASSEMBLY, (See Lighting in this section)
15	211 025 H1	WIRE, Handbrake Switch to Warning Light (+)	36	112 339 H2	SWITCH, Stop Light
15A	211 026 H1	LAMP, Handbrake Warning GE (#303) 28 Volts (+)	37	163 548 H1 432 580 173 443 H1	SENDER, Engine Oil Pressure PLUG, Button SCREW, Set (8)
15B	183 135 H1 211 022 H1	SWITCH, Handbrake Warning (+) BRACKET S/N 01132 & up	38		LIGHT, Tail & Stop (See Lighting in this section) (2)
	181 309	SCREW, Cap 1/4 NF x 1/2")	39		LAMP ASSEMBLY, (See Lighting in this section) (4)
	106 261	WASHER, Flat) Bracket	40	193 848 H1	WIRE, Ignition Switch to Fuel Solenoid (#) (⊗)
	103 319	WASHER, Lock 1/4") & Switch	41	209 129 H1	WIRE, Hourmeter to Connector (⊗)
	215 199 H1	LUG) Mounting	41A	205 920 H1	WIRE, Fuel Solenoid to Fuel Pump (#) (⊗)
	114 493	NUT, Jam 5/16" NF (2)) S/N 01132	42		FUEL, Solenoid (See I. H. Engine Manual) (⊗)
	167 713 H1	NUT, Hex 5/16" NF (2)) & up GROMMET }			(#) - Also used when Chassis Kit 875 651 C91 (Refer to Section 2)
16	136 395 H1	WIRE, Pressure Switch Ground (*) (%)			(+) - S/N 01132 & Up
17	126 287 H1	SWITCH, Pressure, Hourmeter (*) (%)			(*) - Used only when Chassis Kit 875 651 C91 is not used (Refer to Section 2)
18	183 039 H1	CABLE, Starter Ground			(%) - S/N 1001 thru 01274 except 01261, 01264, 01271, 01272, & 01273
19		REGULATOR, Voltage (See I. H. C. Engine Manual)			(⊗) - S/N 01275 & Up also 01261, 01264, 01271, 01272 & 01273
20	163 855 H2 181 314	BRACKET SCREW, Cap 1/4 NF x 7/8" (2)) Reg. Bracket			
	103 319 103 024	WASHER, Lock 1/4" (2)) to Frame NUT, Hex 1/4" NF (2))			
	181 339	SCREW, Cap 5/16 x 1" NF (4)) Regulator			
	103 320 103 025	WASHER, Lock 5/16" (4)) to Bracket NUT, Hex 5/16" NF (4))			
21		BATTERY, (Presto Lite 7907X) (4)			
22	187 319 H1	GAUGE, T. C. Temperature, Dash			

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
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WIRING (IHC) - Continued
(One Piece Harness)

MEMORANDA

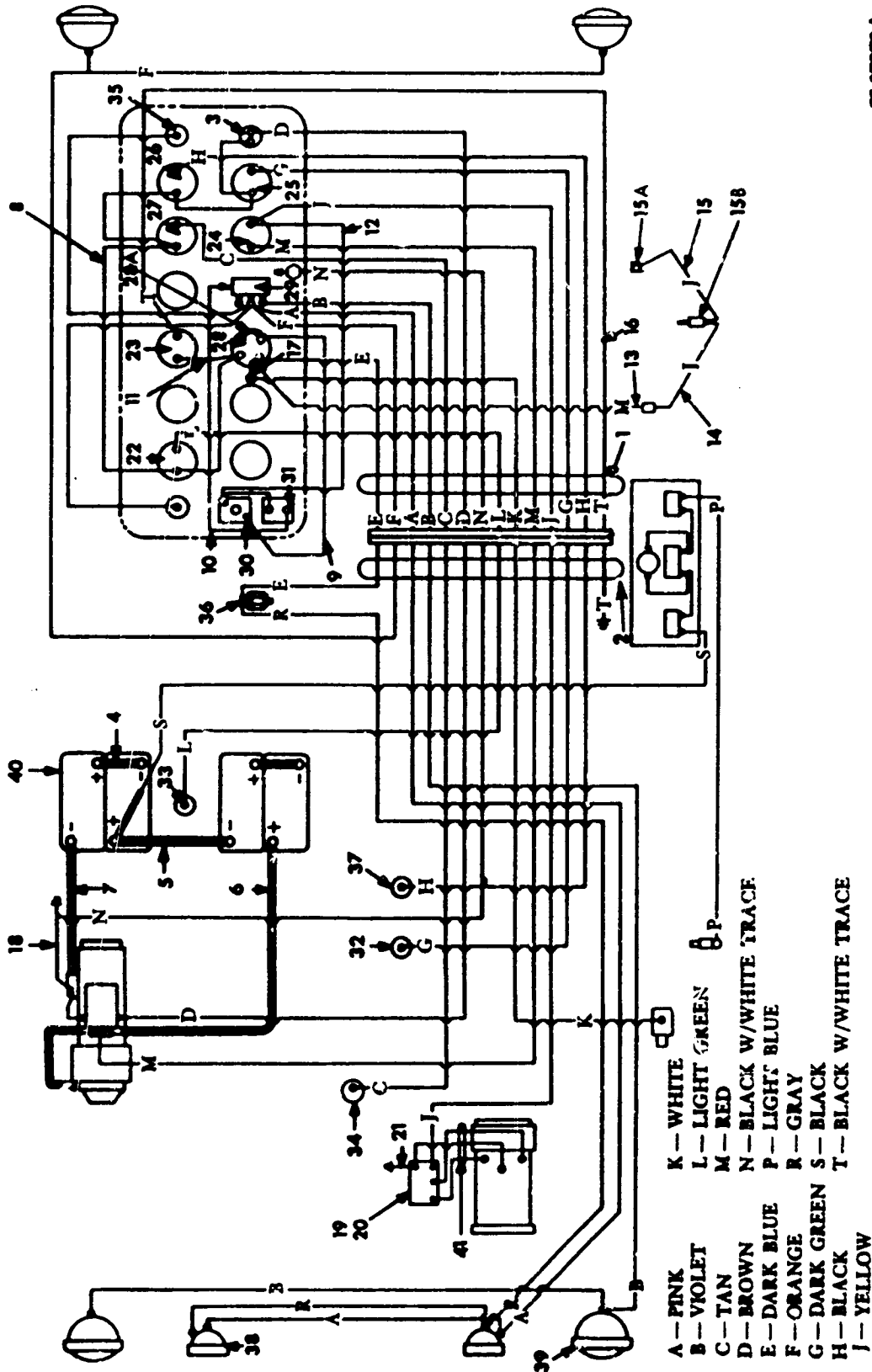
43		PUMP, Fuel Auxiliary (See Section 2)
44	875 181 C1	SWITCH, Safety Neutral 01395 & up
45	886 433 C1	WIRE, Harness to Neutral Switch (2) SN-01395 & up
46	113 868 H1	CONNECTOR (2) SN-01395 & up
47		NOT USED

HARDWARE & CLAMPS

181 431		SCREW, Cap 1/2 x) 1-1/2" NF) Starter to
163 839 H1		WASHER (2)) Ground
103 028		NUT, Hex 1/2" NF)
141 453 H1		CLAMP, Harness to Seat Deck
103 321		WASHER, Lock 3/8") Clamp to
103 026		NUT, Hex 3/8" NF) Seat Deck
141 453 H1		CLAMP, Harness to Stud on Front Frame
103 320		WASHER, Lock 5/16") Clamp to
615 031 R1		WASHER, Flat 5/16") Front
102 634		NUT, Hex 5/16" NC) Frame
143 142 H1		CLAMP, Harness to Hose & Linkage Support
161 043 H1		CLAMP, Front Driving Light to Bearing Blocks (2)
129 668 H1		CLAMP, Harness to Flywheel Housing (3)
139 017 H1		STRAP, Harness to Upper Hydraulic Hose (4)
102 818 H1		CLAMP, Cable Jumper to Bulkhead Boss
181 331		SCREW, Cap 5/16 x) Cable 1/2" NF) to
103 320		WASHER, Lock 5/16") Bulkhead
204 732 H1		CLAMP, Battery Cables to Bulkhead
167 685 H1		GROMMET, Battery Cable through Bulkhead (2)
153 619 H1		BUMPER, Yo Hourmeter
158 159 H1		CLAMP, Harness to Transmission (2)
158 159 H1		CLAMP, Harness to Frame (3)
132 226 H1		SCREW, Machine (6)
106 497		WASHER, Lock (6)
132 222 H1		NUT (6)
156 139 H1		CLAMP, Harness to Rear Frame
181 315		SCREW, Cap 1/4 x) 1" NF (3)) Clamp
103 319		WASHER, Lock 1/4" (3)) to Frame
103 024		NUT, Hex 1/4" NF (3))
103 026		NUT, Hex 3/8" NF) Extra Long Cap-
103 321		WASHER, Lock) screw to Under- 3/8") side Seat Deck

ELECTRICAL SYSTEM

WIRING (Cummins)
(One Piece Harness)



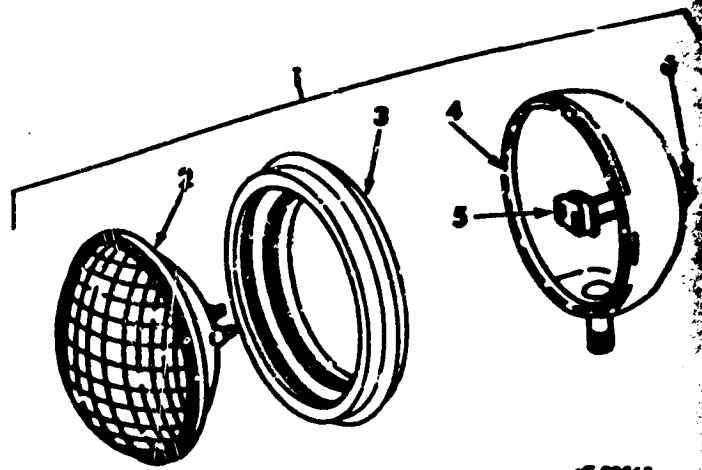
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ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (Cummins) - Continued (One Piece Harness)					
1	196 806 H3 132 226 H1 120 217 120 614	LOOM, Instrument Panel SCREW) Instrument WASHER, Lock #10) Panel NUT, Hex #10-32) Ground	23	167 354 H2	HOURMETER, Dash
2	213 980 H1	HARNESS, Wiring	24	HL-3151	AMMETER, Dash
3	109 214 H1 143 142 H1	SWITCH, Starter CLAMP, Harness (2)	25	187 318 H1	GAUGE, Engine Temperature, Dash
4	116 949 H1	CABLE, Battery Jumper (2)	26	187 316 H1	GAUGE, Engine Oil Pressure, Dash
5	196 978 H1	CABLE, Battery Jumper	27	187 317 H1	GAUGE, Fuel Dash
6	881 635 C1	CABLE, Battery to Starter (Positive)	28	877 123 C91	SWITCH, Ignition (Together with Wire Jumper 101 981 H1 will work for Ignition Switch 190 345 H1)
7	881 636 C1	CABLE, Battery to Starter (Negative)	28A	101 981 H1	WIRE, Jumper Ignition (Used with Ignition Switch 877 123 C91)
8	196 943 H1	WIRE, Instrument Jumper	29	107 749 H1	SWITCH, Light
9	140 719 H1	WIRE, Ignition Switch to Circuit Breaker	30	214 278 H1	BREAKER, Circuit
10	140 719 H1	WIRE, Light Switch to Circuit Breaker	31	140 758 H1 168 752 H1 121 841 120 622	BREAKER, Circuit SCREW, Machine (4)) Breaker WASHER, Lock #8 (4)) Mount- NUT, Hex 8-32 (4)) ing
11	187 396 H1	WIRE, Hourmeter to Ignition Switch	32	157 996 H1	SENDER, Temperature Engine
12	214 272 H1	WIRE, Ammeter to Circuit Breaker	33	157 996	SENDER, Temperature, T. C.
13	215 232 H1	WIRE, Ignition Switch to Connector (*)	34	154 051 107 755 H1 163 578 H1	SENDER, Fuel Tank GASKET) SCREW, (Replaces) Sender 161 316 H1 Screw &) Mounting 108 498 H1 Washer) (5))
14	215 233 H1	WIRE, Connector to Handbrake Switch (*)	35		LAMP ASSEMBLY, Dash (See Light- ing in this section)
15	211 025 H1	WIRE, Handbrake Switch to Warning Light (*)	36	112 339 H2 432 580 173 443 H1	SWITCH, Stoplight PLUG, Button SCREW, Set (8)
15A	211 026 H1	LAMP, Handbrake Warning GE (# 303 Bulb) 28 Volts (*)	37	163 548 H1	SENDER, Engine Oil Pressure
15B	183 135 H1 211 022 H1	SWITCH, Handbrake Warning (*) BRACKET 01132 & up	38		LIGHT, Tail &) (See Lighting in this section) (
	181 309	SCREW, Cap 1/4 NF x) 1/2") Brake & WASHER, Flat 1/4") Switch	39		LAMP ASSEMBLY, (See Lighting in this section) (4)
	106 261	WASHER, Flat 1/4") Mounting	40		BATTERY, (Presto Lite 7907X) (4)
	103 319	WASHER, Lock 1/4") S/N 01132	41	178 280 H1	LOOM
	215 199 H1	LUG) & Up			CLAMPS
	103 025	NUT, Hex 5/16" NF (2))		141 452 H1	CLAMP, Harness to Seat Deck
	167 713 H1	GROMMET)		103 321	WASHER, Lock 3/8") Clamp to
16	209 129 H1	WIRE, Hourmeter to Female Connector		103 026	NUT, Hex 3/8" NF) Seat Deck
17	193 848 H1	WIRE, Instrument Panel Loom to Ignition Switch		141 453 H1	CLAMP, Harness to Stud on Front Frame
18	183 039 H1	CABLE, Starter Ground		103 320	WASHER, Lock 5/16") Clamp
19		REGULATOR, Voltage (See Cummins Engine Manual)		615 031 R1	WASHER, Flat 5/16") to Front
20	199 902 H1 181 318	BRACKET SCREW, Cap 1/4 NF x) 1-3/8" (4)) Regulator		102 434	NUT, Hex 5/16" NC) Frame
	103 319	WASHER, Lock 1/4" (4)) to Bracket		161 043 H1	CLAMP, Front Driving Lite to Bearing Blocks (2)
	103 024	NUT, 1/4" NF (4))		139 017 H1	STRAP, Harness to Upper Hydraulic Hose (4)
	179 879	SCREW, Cap 1/2 NC x) 3/4" (2)) Bracket		158 159 H1	CLAMP, Harness to Transmission (2)
	103 323	WASHER, Lock 1/2" (2)) to Frame		158 159 H2	CLAMP, Harness to Rear Frame (3)
	106 265	WASHER, Flat 1/2")		181 315	SCREW, Cap 1/4 NF x) 1" (3)) Clamp to
21	119 231 H1	WIRE, Regulator to Ground		103 319	WASHER, Lock 1/4" (3)) Rear Frame
22	187 319 H1	GAUGE, T. C. Temperature, Dash		103 024	NUT, Hex 1/4" NF (3))

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (Cammins) - Continued (One Piece Harness)			FRONT & REAR LAMP ASSEMBLY		
129 668 HI		CLAMP, Harness to Flywheel Housing (3)			
106 139 HI		CLAMP, Harness to Rear Frame			
102 818 HI		CLAMP, Cable to Bulkhead			
181 331		SCREW, Cap 5/16 NF x 1/2") Clamp to Bulkhead			
103 320		WASHER, Lock 5/16") Starter to			
181 431		SCREW, Cap 1/2 NF x 1/2") Ground			
163 839 HI		WASHER (2)			
103 028		NUT, Hex 1/2" NF			
154 055 HI		CLIP			
107 544 HI		GROMMET			
176 750 HI		CLAMP TO LAMP (4)			
176 749 HI		WASHER (8)) Mounting			
18 452 RI		NUT, 1/2"-20 NF) Clamp to Lens (4)) Lamp			
615 031 RI		WASHER, Flat 5/16" - Bolt Stud on Front Frame (4)			
204 732 HI		CLAMP, Cables to Bulkhead			
167 685 HI		GROMMET (2)			
179 680 HI		NUT			
175 127 HI		SCREW, Door			

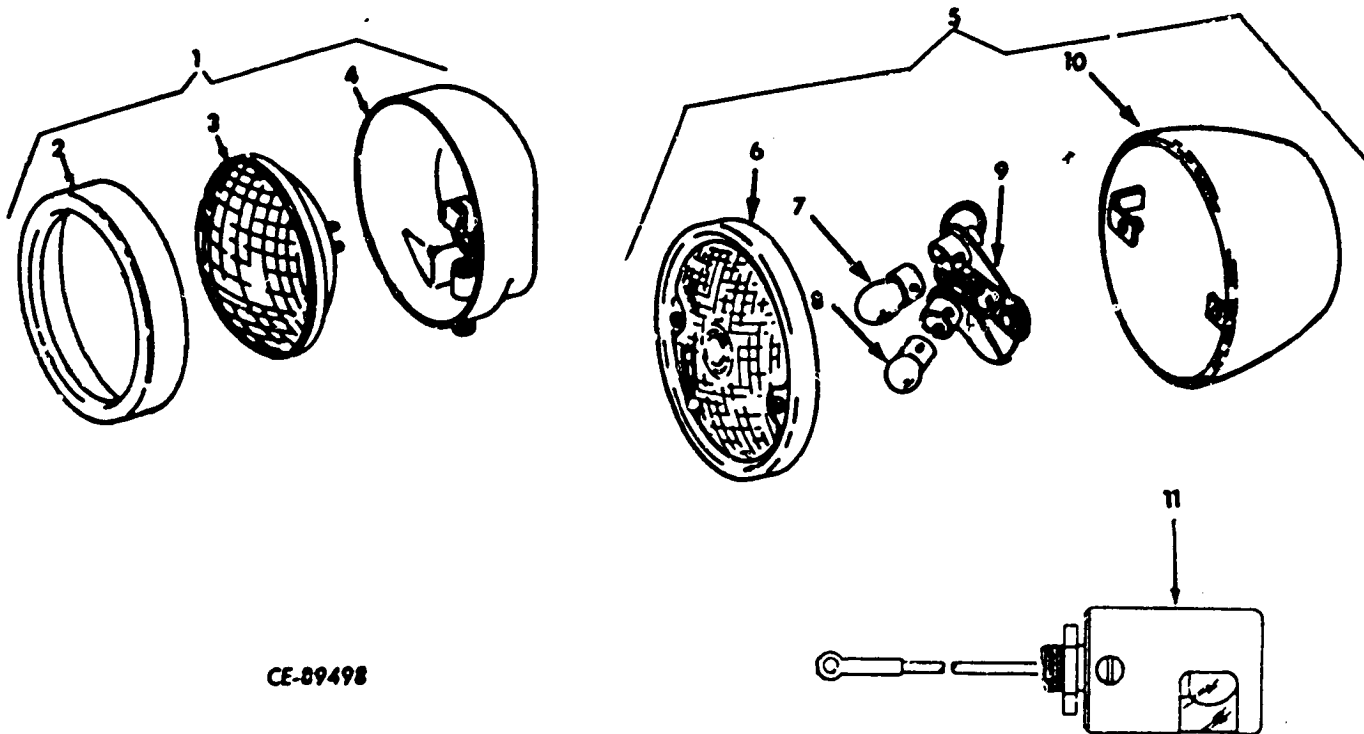


1	338 814 R91	LAMP ASSEMBLY (Guide Lamp No. 899 591) (4)
2	273 560	SEALED UNIT (G. E. Trade No. 4578)
3	338 896 R1	RETAINER
4		BODY (Not Furnished Separately)
5		CONNECTOR & WIRING (Not Furnished Separately)
6		TERMINAL (Not Furnished Separately)

ELECTRICAL SYSTEM

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



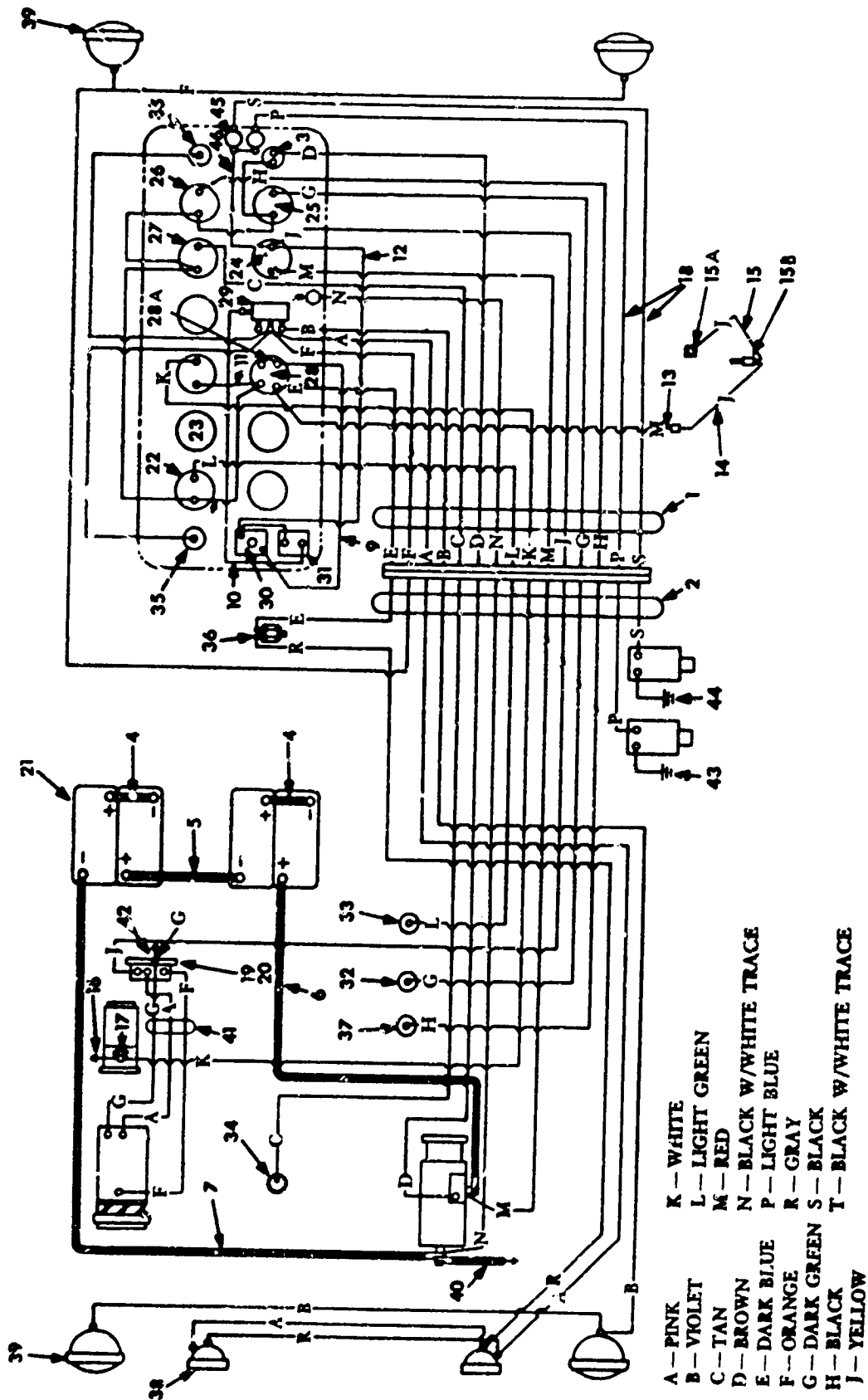
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1	176 852 H1	LAMP ASSEMBLY, (Front & Rear) (Dobbs #MI-2527) (4)	6	120 586 H2 44 527	DOOR SCREW, Door Assembly to Body (2)
2	181 365 H1	RETAINER	7		BULB, Stop Lite Trade (#1683)
3	167 707 H1	SEALED BEAM	8		BULB, Tail Lite Trade (#623)
4	177 359 H1 177 360 H1 219 778 131 035 882 790 C1 176 750 H1 173 443 H1 18 452 R1	BODY, (Not Serviced Separately) SUPPORT, Front Light (2) SUPPORT, Rear Light (2) NUT, Jam 1-1/4" NF (2)) Light WASHER, Lock 1-1/4") Support (2)) Rear PLUG, Rubber w 3/32" Hole (8) CLAMP (4) SCREW, Set (4) NUT, Esna 1/2" NF-20	9	876 392 C91	SOCKET & PLATE ASSEMBLY
5	129 317 H3	LIGHT ASSEMBLY, (Tail & Stop 24-28V) (2)	10	168 344 H1 121 841 179 095 H1 140 226 H1 103 319 103 024	BODY, Not Serviced Separately SCREW, Stop Light Terminal (4) WASHER, Lock, Stop Light Terminal BRACKET - L ^H Stop Light WASHER (2)) Bracket WASHER, Lock 1/4" (4)) to Stop NUT, Hex 1/4" NF (4)) Lights
			11	154 466 H1	LAMP ASSEMBLY, Dash (2) BULB, Trade (#303) GE 28 Volts (2)

ELECTRICAL SYSTEM

WIRING (Detroit Diesel)
(One Piece Harness)

CS-8775A



ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
WIRING (Detroit Diesel) - Continued (One Piece Harness)					
1	196 806 H2 132 226 H1 120 217 120 614	LOOM, Instrument SCREW) Instrument WASHER, Lock #10) Panel NUT, Hex 10-32) Ground	28	877 123 C91	SWITCH, Ignition (Together with Wire 109 981 H1 will work for Ignition Switch 190 345 H1)
2	213 934 H1	HARNESS, Wiring	28A	136 372 H1	WIRE, Jumper Ignition (Used with Ignition Switch 877 123 C91)
3	109 214 H1 143 142 H1	SWITCH, Starter CLAMP, Harness (2)	29	107 749 H1	SWITCH, Light
4	116 949 H1	CABLE, Battery Jumper (2)	30	214 278 H1	BREAKER, Circuit
5	196 978 H1	CABLE, Battery Jumper	31	140 758 H1 168 752 H1 121 841 120 622	BREAKER, Circuit SCREW, Machine (4)) WASHER, Lock #8 (4)) Breaker Mtg. NUT, Hex 8-32 (4))
6	153 969 H1	CABLE, Battery to Starter (Positive)	32	157 996 H1	SENDER, Temperature, Engine
7	201 376 H1	CABLE, Battery to Starter (Negative)	33	157 996 H1	SENDER, Temperature, T. C.
8	196 943 H1	WIRE, Instrument Jumper	34	154 051 H1 107 755 H1 163 578 H1	SENDER, Fuel Tank GASKET) SCREW, (Replaces) Sender 161 316 H1 Screw &) Mounting 108 489 H1 Washer) (5))
9	140 719 H1	WIRE, Ignition Switch to Circuit Breaker	35		LAMP ASSEMBLY, Dash (See Lighting in this section) (2)
10	140 719 H1	WIRE, Light Switch to Circuit Breaker	36	112 339 H2 432 580 173 443 H1	SWITCH, Stop Light PLUG, Button SCREW, Set (8)
11	187 396 H1	WIRE, Hourmeter to Ignition Switch	37	HL-3685 141 539	SENDER, Engine Oil Pressure BUSHING
12	214 272 H1	WIRE, Ammeter to Circuit Breaker	38		LIGHT, Tail & Stop (See Lighting in this section) (4)
13	215 232 H1	WIRE, Ignition Switch to Connector (*)	39		LAMP ASSEMBLY, (See Lighting in this section) (4)
14	215 233 H1	WIRE, Connector to Handbrake Switch (*)	40	183 039 H1	CABLE, Starter Ground
15	211 025 H1	WIRE, Handbrake Switch to Warning Light (*)	41	184 536 H1	HARNESS, Wiring, Generator to Regulator
15A	211 026 H1	LAMP, Handbrake Warning GE (# 303 Bulb 28 Volts) (*)	42	119 231 H2 181 431 163 839 H1 103 028	WIRE, Regulator to Ground SCREW, Cap 1/2 NF x) 1-1/2") Battery WASHER (2)) Ground NUT, Hex 1/2" NF)
15B	183 135 H1 211 022 H1 181 309 106 261 103 320 215 199 H1 103 025 167 713 H1	SWITCH, Handbrake Warning BRACKET S/N 01132 & up SCREW, Cap 1/4 x) 1/2" NF) Bracket WASHER, Flat 1/4") & Switch WASHER, Lock 5/16") Mounting LUG) S/N 01132 NUT (2)) & up GROMMET)	43	117 240 H1	WIRE, Ground Engine Shutdown
16	143 863 H1	WIRE, Pressure Switch Ground	44	HA-1359	WIRE, Ground Emergency Shutdown Solenoid
17	126 287 H1	SWITCH, Pressure, Hourmeter	45	109 214 H1	SWITCH, P. B. Emergency & Engine Shutdown (2)
18	214 263 H1	LOOM, P. B. Switches to Junction	46	206 999 H1	WIRE, Jumper, Ammeter to Shutdown Switches
19	208 927 H1	REGULATOR, Voltage			CLAMPS
20	163 855 H2 181 339 103 320 103 025	BRACKET 3SCREW, Cap 5/16 NF x) Bracket 1" (2)) Mounting WASHER, Lock 5/16" (2)) (Presto NUT, Hex 3/8" NF (2)) Lite 26- 2169C)			
22	187 219 H1	GAUGE, T. C. Temperature, Dash			
23	187 364 H2	HOURLMETER, Dash	167 713 H1 141 453 H1 103 321 103 026	GROMMET CLAMP, Harness to Seat Deck WASHER, Lock 3/8") Clamp to NUT, Hex 3/8" NF) Seat Deck	
24	HL-3151	AMMETER, Dash			
25	187 318 H1	GAUGE, Engine Temperature, Dash			
26	187 316 H1	GAUGE, Engine Oil Pressure, Dash			(*) - S/N 01132 & Up
27	187 317 H1	GAUGE, Fuel, Dash			

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
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REF. NO.	PART NUMBER	DESCRIPTION
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WIRING (Detroit Diesel) - Continued
(One Piece Harness)

MEMORANDA

141 453 H1	CLAMP, Harness to Stud on Front Frame
103 320	WASHER, Lock 5/16") Stud to
615 031 R1	WASHER, Flat 5/16") Front
102 634	NUT, Hex 5/16" NC) Frame
161 043 H1	CLAMP, Front Driving Lite to Bearing Blocks (2)
139 017 H1	STRAP, Harness to Upper Hydraulic Hose (7)
158 239 H1	CLAMP, Harness to Transmission (2)
158 159 H1	CLAMP, Harness to Rear Frame (3)
181 315	SCREW, Cap 1/4 NF x) Clamp 1" (3)) Mounting
103 319	WASHER, Lock 1/4" (3)) to Rear
103 024	NUT, Hex 1/4" NF (3)) Frame
129 668 H1	CLAMP, Harness to Flywheel Housing (3)
136 139 H1	CLAMP, Harness to Rear Frame
102 818 H1	CLAMP, Cable to Bulkhead
181 331	SCREW, Cap 5/16 NF x) Clamp 1/2") Mounting to
103 320	WASHER, Lock) Bulkhead
204 732 H1	CLAMP, Cable to Bulkhead
167 685 H1	GROMMET (2)
181 431	SCREW, Cap 1/2 NF x) Starter to 1-1/2") Ground
163 839 H1	WASHER (2)) Ground
103 028	NUT, Hex 1/2" NF)
181 315	SCREW, Cap 1/4 NF x) Voltage 1" (6)) Reg. Mtg.
103 319	WASHER, Lock 1/4" (6))
103 024	NUT, Hex 1/4" NF (6))
181 431	SCREW, Cap 1/2 NF x) Battery 1-1/2") Ground
163 839 H1	WASHER (2)) to
103 028	NUT, Hex 1/2" NF) Frame

SECTION 13

BRAKE SYSTEM

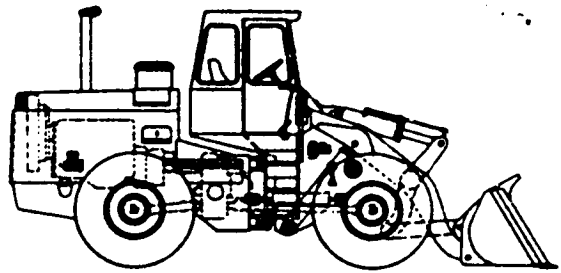


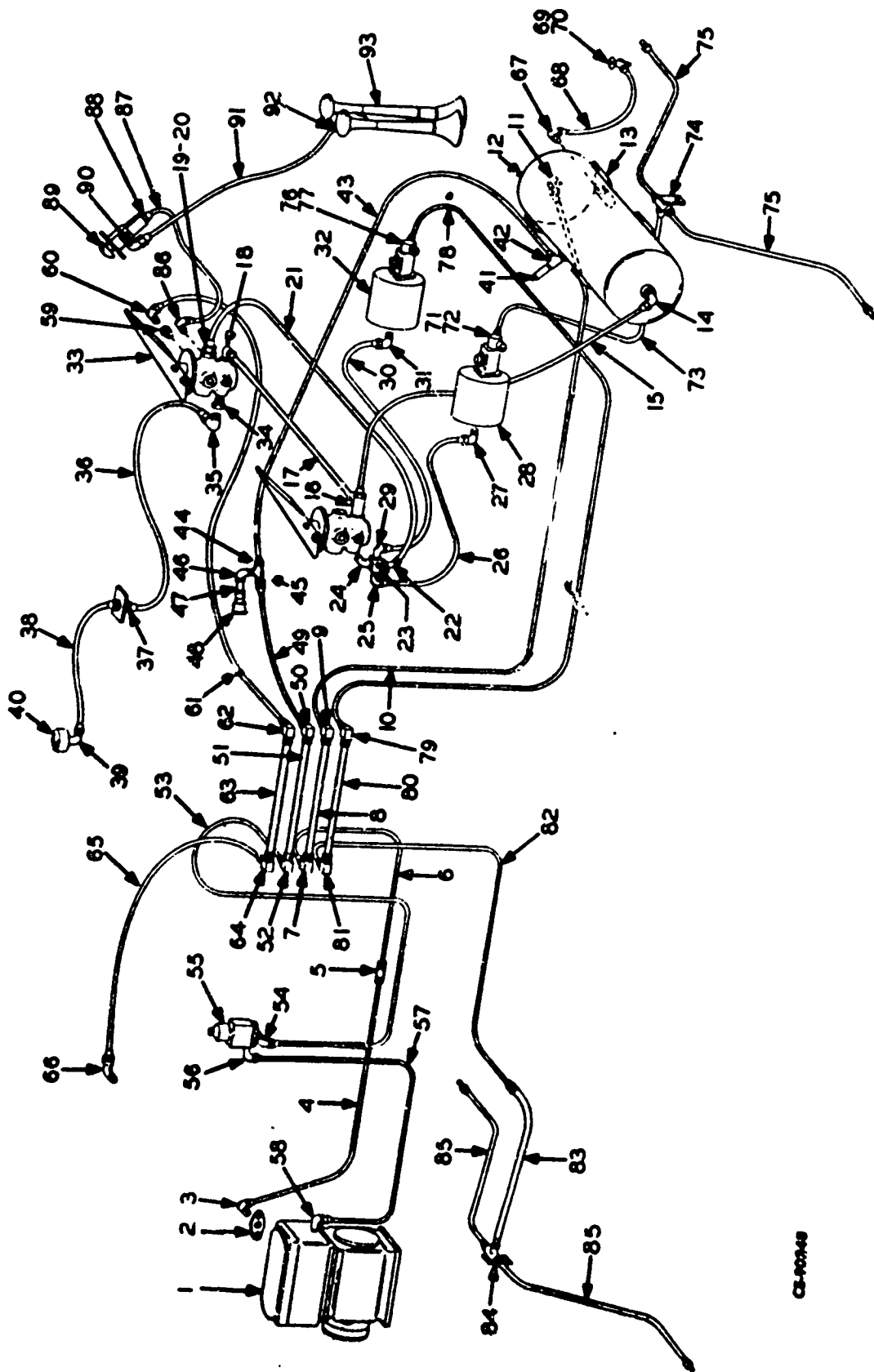
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REFER TO ALPHABETICAL INDEX GRID A-3

BRAKE SYSTEM

BRAKE & AIR CONNECTIONS



CL-10248

BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE & AIR CONNECTIONS - Continued					
LINE-COMPRESSOR TO RESERVOIR I. H. C.			9	178 816 HI	ADAPTER, Bulkhead, 90°
1		COMPRESSOR, Air (See I. H. C. D-817 Engine Manual)	10	195 433 HI * 403 490 918 HI	TUBE NUT, Tube CLAMP, Tube to Frame
2	164 987 HI 153 606 HI	FITTING, Discharge GASKET, Discharge Fitting	11	153 524 HI	ELBOW, 90°
3	153 526 HI	ELBOW, 90° S/N 1001 thru 01122	LINE-RESERVOIR TO R. H. BRAKE VALVE		
3	175 081 HI	ELBOW S/N 01123 & up	12	153 524 HI	RESERVOIR, Air
4	166 750 HI 102 818 HI	TUBING, Copper) S/N 1001 CLAMP, Tube to Frame (2)) thru 01122	13	153 525 HI 17 234 RI	"U" BOLT (2) NUT, Eena (4)
4	215 617 HI 134 054 HI	HOSE, Assy) S/N 01123 CLAMP (2)) & up	14	153 556 HI	ELBOW, 90°
5	157 919 HI	CONNECTOR S/N 1001 thru 01122	15	131 931 HI HA-1351	TUBING, Copper CLAMP, At Foot Throttle Bearing
	153 521 HI	CONNECTOR S/N 01123 & up	16	179 841 HI	TEE
NOTE: The following parts marked * replace items 1 thru 5 above when Cummins Engine is used.			LINE-R. H. BRAKE VALVE TO L. H. BRAKE VALVE		
		COMPRESSOR, Air (See Cummins NH-250C1 Engine Manual) (*)	17	163 785 HI	TUBING, Copper
160 997 HI		ELBOW, 90° (*) S/N 01001 thru 01122	18	153 556 HI	ELBOW, 90°
175 081 HI		ELBOW (*) S/N 01123 & up	LINE-L. H. BRAKE VALVE TO DOUBLE CHECK VALVE		
200 658 HI		TUBING, Copper (*) S/N 01001 thru 01122	19		NOT USED
215 616 HI		HOSE, Assy (*) (2) S/N 1023 & up	20	188 901 HI	CONNECTOR, (Replaces 175 772 HI)
102 818 HI		CLAMP (*) (2) S/N 01001 thru 01122	21	186 013 HI	TUBE, Nylon
134 054 HI		CLAMP (*) S/N 01123 & up	22	175 777 HI	ELBOW, 90°
157 919 HI		CONNECTOR (*) S/N 1001 thru 01122	23	174 923 HI	VALVE, Double Check, Includes Name below marked *
153 521 HI		CONNECTOR (*) S/N 01123 & up		179 053 HI	BODY (*)
215 632 HI		BUSHING, Reducer (*) S/N 01123 & up		179 067 HI	GUIDE, Shuttle (*)
NOTE: The following parts marked % replace items 1 thru 5 & items marked * above when Detroit Diesel Engine is used.				179 068 HI	SHUTTLE & INSERT (*)
		COMPRESSOR, (See your Detroit Diesel Engine Dealer) (%)		179 069 HI	GASKET (*)
160 997 HI		ELF V, 90° (%) S/N 01001 thru 01122		179 070 HI	CAP (*)
164 987 HI		FITTING, Discharge (%)		106 261	WASHER, Plain, 1/4" (*) (2)
153 606 HI		GASKET, Discharge Fitting (%)		179 071 HI	SCREW, -/ Lockwasher (*) (2)
175 081 HI		ELBOW (%) S/N 01123 & up	24	175 081 HI	ELBOW, %.
153 607 HI		TUBING, Copper (%) S/N 01001 thru 01122	LINE-DOUBLE CHECK VALVE TO R. H. POWER CLUSTER		
215 616 HI		HOSE, Assy (%) S/N 01123 & up	25	175 777 HI	ELBOW, 90°
153 608 HI		ELBOW, 90° (%)	26	186 013 HI	TUBE, Nylon
6	195 435 HI	TUBE	27	175 777 HI	ELBOW, 90°
9	403 490	NUT, Tube	28		POWER CLUSTER, R. H. (See Power Cluster in this section)
	102 818 HI	CLAMP, Tube to Frame	LINE-DOUBLE CHECK VALVE TO L. H. POWER CLUSTER		
7	178 816 HI	ADAPTER, Bulkhead, 90°	29	175 777 HI	ELBOW, 90°
8	195 087 HI	HOSE ASSEMBLY	30	175 768 HI	TUBE, Nylon
			31	175 777 HI	ELBOW, 90°

BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE & AIR CONNECTIONS - Continued					
32		POWER CLUSTER, L. H. (See Power Cluster in this section)	LINE-GOVERNOR TO COMPRESSOR I. H. C. ENGINE		
		LINE-L. H. BRAKE VALVE (REAR PORT) TO PRESSURE GAUGE	56	140 367 H1	ELBOW, at Gov. air S/N 01001 thru 01122
			56	215 466 H1	ELBOW S/N 01123 & up
33		VALVE, Brake, L. H. (See Brake Valve in this section)	57	132 963 H1	TUBING S/N 01001 thru 01122
34	195 089 H1	BUSHING, Reducer	140 57		CLAMP, Tube to Frame (2) S/N 01001 thru 01122
	832 H1	ELBOW, 90°	57	215 613 H1	HOSE ASSEMBLY S/N 01123 & up
36	182 402 H1	TUBE, Nylon	132 112 H1		CLAMP, Tube to Frame (2) S/N 01123 & up
37	172 825 H1	UNION, Bulkhead	58	140 363 H1	ELBOW, 90° at Compressor S/N 01001 thru 01122
38	172 824 H1	TUBE, Nylon	58	117 383 H1	ELBOW S/N 01123 & up
39	172 835 H1	ADAPTER			
40	154 893 H1	GAUGE, Air Pressure			
LINE-RESERVOIR TO GOVERNOR			LINE-GOVERNOR TO COMPRESSOR CUMMINS ENGINE		
41		VALVE, Safety (See Safety Valve in this section)	56	140 367 H1	ELBOW, 90° at Governor S/N 1001 thru 01122
42	160 815 H1	TEE	56	215 466 H1	ELBOW S/N 01123 & up
43	122 696 H1	TUBING, Copper	57	127 617 H1	TUBING, Copper S/N 1001 thru 01122
	140 578	CLAMP, Tube to Frame	177 748 H1		CLAMP (2) S/N 1001 thru 01122
	159 680 H1	CLIP	57	215 615 H1	HOSE, Assembly S/N 01123 & up
	181 313	SCREW, Cap 1/4 NF x 3/4"	132 112 H1		CLAMP, Tube to Frame (2) S/N 01123 & up
	103 319	WASHER, Lock 1/4"	58	140 367 H1	ELBOW, 90° at Compressor S/N 1001 thru 01122
	103 024	NUT, Hex 1/4" NF	58	110 902 H1	ELBOW, Swivel S/N 01123 & up
44	153 530 H1	CONNECTOR, At Manifold Fitting (2)			
45	139 744 H1	FITTING, Manifold	LINE-GOVERNOR TO COMPRESSOR DETROIT ENGINE		
	445 686	PLUG, Pipe 3/8" (In unused Port in Manifold)	56	140 367 H1	ELBOW, 90° at Governor S/N 1001 thru 01122
	444 576	PLUG, Pipe 1/4" (In unused Port in Manifold) (4)	56	215 446 H1	ELBOW S/N 01123 & up
46	105 423	ELBOW, St. 90° x 1/4"	57	126 898 H1	TUBING, Copper S/N 1001 thru 01122
47	124 976 H1	NIPPLE, Close	177 748 H1		CLAMP, Tube to Frame S/N 1001 thru 01122 (2)
48	155 464 H1	CHECK UNIT, Air Supply	57	215 614 H2	HOSE, Assembly S/N 01123 & up
49	195 088 H1	TUBE	132 112 H1		CLAMP, Tube to Frame (2) S/N 01123 & up
	9 403 486	NUT, Tube	58	140 363 H1	ELBOW, 90° at Compressor S/N 1001 thru 01122
50	202 804 H1	COUPLING, 90° Bulkhead			
51	195 090 H1	HOSE ASSEMBLY			
52	202 804 H1	COUPLING, 90° Bulkhead			
53	195 093 H1	TUBE			
	9 403 486	NUT, Tube			
54	140 367 H1	ELBOW, 90°			
	177 748 H1	CLAMP, Tube to Frame (2)			
55		GOVERNOR, (See Governor in this section)			
	102 818 H1	CLAMP			
	103 320	WASHER, Lock 5/16"			
	102 635	NUT, Hex 5/16" NC			

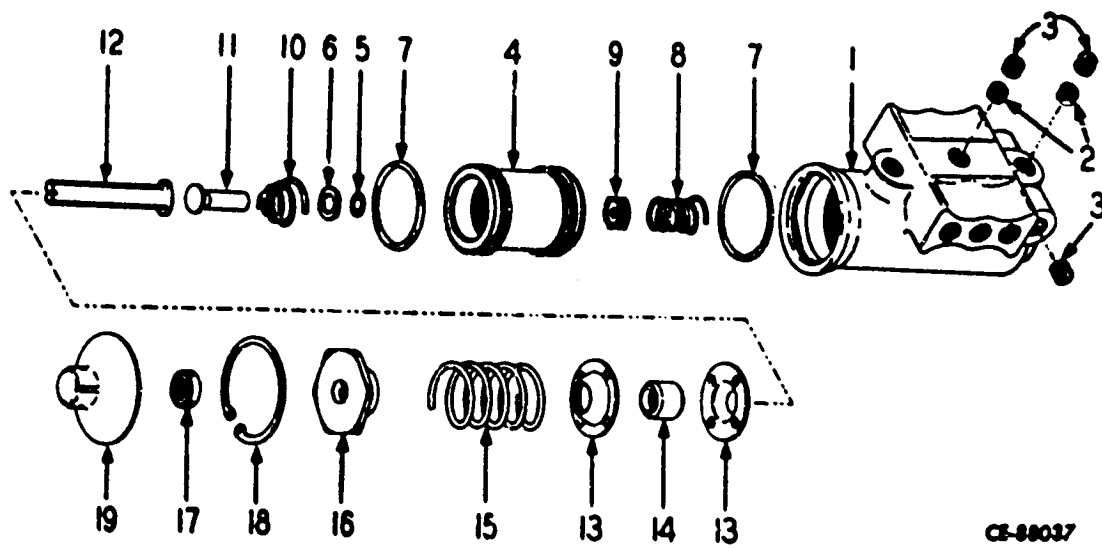
BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BRAKE & AIR CONNECTIONS - Continued					
58	117 383 H1	ELBOW S/N 01123 & up	82	195 098 H1 167 195 H1	TUBE ASSEMBLY, Steel CLAMP, Tube to Frame
LINE-L. H. BRAKE VALVE TO AIR CONTROL VALVE					
59	151 982 H1	BUSHING, Reducer	83	194 127 H1 194 150 H1	HOSE ASSEMBLY, Tube Assembly to Brake Tee NUT, Jam
60	153 530 H1	CONNECTOR	84	179 804 H1 172 848 H1 181 314	TEE, Brake CLIP SCREW, Cap 1/4 NF x) 7/8") Clip to
61	195 437 H1 9 403 486	TUBE NUT, Tube	103 319 103 024	WASHER, Lock 1/4") NUT, Hex 1/4" NF')	Rear Axle
62	202 804 H1	COUPLING, 90° Bulkhead	85	122 204 H1	TUBE ASSEMBLY, Tee to Wheel Cylinders (2)
63	195 090 H1	HOSE ASSEMBLY	167 195 H1 181 345	CLAMP, Tube to Bolster (2) SCREW, Cap 5/16 NF x) 1-3/4" (2)) Tube Clamp	
64	153 482 H1	UNION, Bulkhead	103 320 103 025	WASHER, Lock 5/16" (2)) NUT, Hex 5/16" NF (2))	Bolster
65	195 459 H1 9 403 486 9 410 057	TUBE NUT, Tube NUT, Lock	LINE-L. H. BRAKE VALVE TO HORN VALVE		
66	140 367 H1	ELBOW, 90°	86	164 839 H1	ELBOW
LINE-RESERVOIR DRAIN					
67	140 363 H1	ELBOW, 90°	87	175 765 H1	TUBING
68	121 518 H1	TUBE, Nylon	88	175 774 H1	CONNECTOR
69	153 530 H1	CONNECTOR	89		VALVE, Horn (See Air Horn in this section)
70	139 439 H1	COCK, Drain	LINE-HORN VALVE TO HORN		
LINE-R. H. POWER CLUSTER TO FRONT WHEEL CYLINDERS					
71	HL-3553	ADAPTER, at Power Cluster (2)	90	175 775 H1	ELBOW, 90°
72	HL-3753	GASKET (2)	91	175 764 H1	TUBING
73	195 097 H1 156 609 H1	TUBE ASSEMBLY CLAMP, at Steering Cylinder Pivot Boss	92	175 773 H1	CONNECTOR, Male
74	179 804 H1 172 848 H1 181 314 103 319 103 024	TEE, Brake CLIP SCREW, Cap 1/4 NF x 7/8" WASHER, Lock 1/4" NUT, Hex 1/4" NF	93	102 818 H1 102 634 103 320	HORN, Air (See Air Horn in this section) CLAMP) Tube NUT, Hex 5/16" NC) to WASHER, Lock 5/16") Governor
122 204 H1		TUBE ASSEMBLY, Tee to Wheel Cylinders (2)			
167 195 H1		CLAMP, Tube to Front Axle Pad (2)			
181 345		SCREW, Cap 5/16 NF x 1-3/4" (2)			
103 320		WASHER, Lock 5/16" (2)			
103 025		NUT, Hex 5/16" NF (2)			
LINE-L. H. POWER CLUSTER TO REAR WHEEL CYLINDERS					
76	HL-3553	ADAPTER			
77	HL-3753	GASKET			
78	195 096 H1 167 195 H1	TUBE ASSEMBLY CLAMP, Tube to Frame			
79	195 091 H2	ADAPTER, Bulkhead, 90°			
80	195 092 H1	HOSE ASSEMBLY			
81	195 091 H2	ADAPTER, Bulkhead, 90°			

BRAKE SYSTEM

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

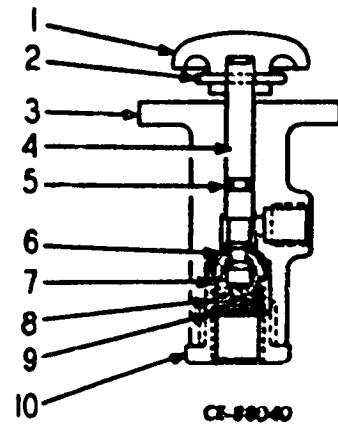
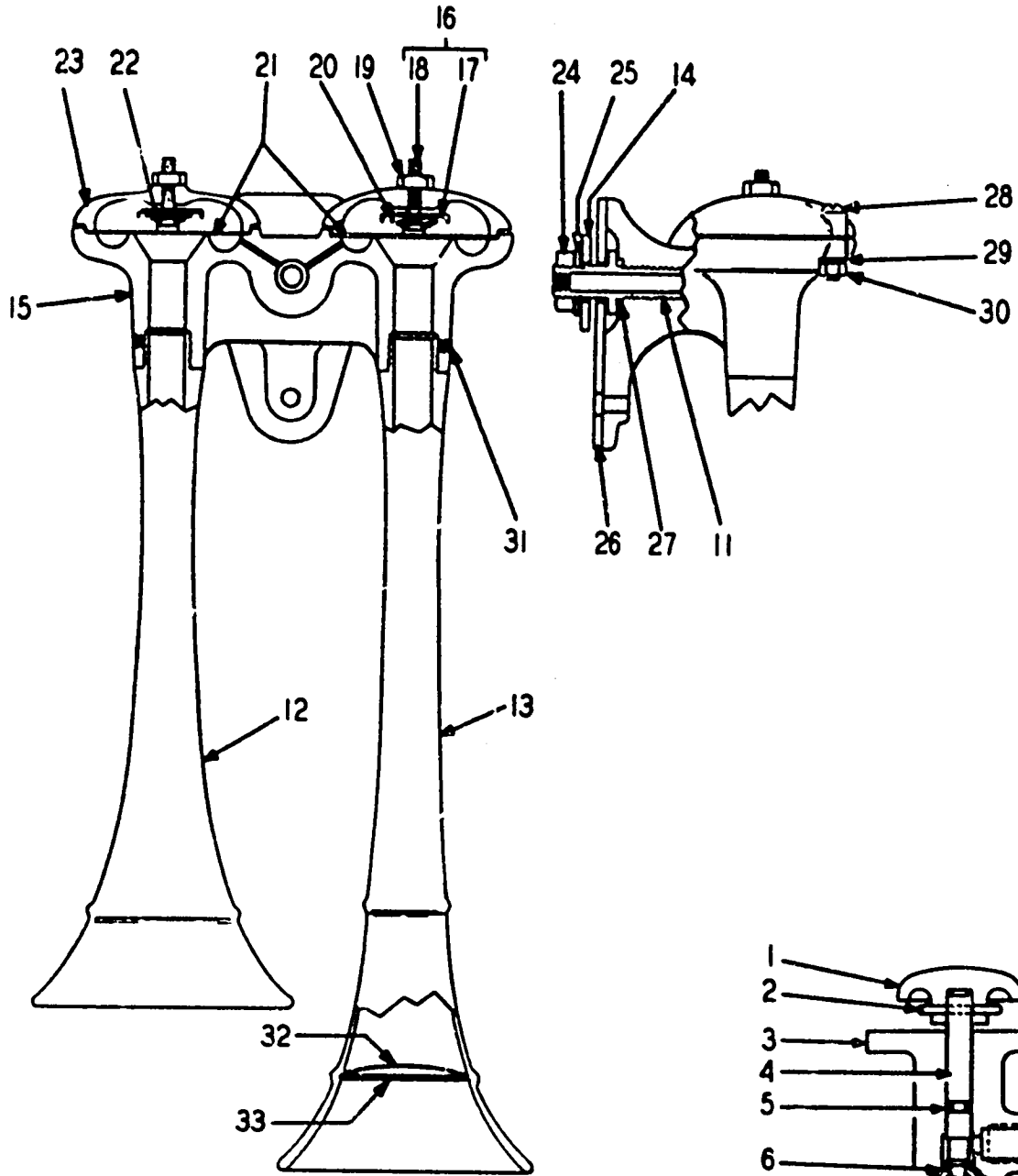


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160 446 H2	GOVERNOR ASSEMBLY, Items 1 thru 19	11	177 627 H1 177 628 H1	STEM, Exhaust ADJUSTING SCREW & SPRING ASSEMBLY, Includes Items 12 thru 17
177 601 H1	BODY ASSEMBLY, Includes Items 1 & 2	12	177 629 H1	SCREW, Adjusting
1 177 618 H1	BODY	13	177 630 H1	SEAT, Spring - Lower (2)
2 177 619 H1	FILTER (2)	14	177 631 H1	GUIDE
3 151 425 H1 177 620 H1	PLUG, Pipe (4) PISTON ASSEMBLY, Includes Items 4, 5 & 6	15	177 632 H1	SPRING
4 177 621 H1	PISTON	16	177 633 H1	SEAT, Spring - Upper
5 3 046 105 R1	"O" RING, 7/32 x 11/32 x 1/16"	17	109 084	NUT, Hex 1/4" NC
6 177 622 H1	WASHER	18	160 094 R1	RING, Retaining
7 177 625 H1	GROMMET (2)	19	177 635 H1 186 303	COVER SCREW, Cap 5/16 NF x 3-1/4" (2)) Governor
8 177 624 H1	SPRING, Valve		103 320	WASHER, Lock 5/16" (2)) Mounting
9 177 623 H1	VALVE, w/Insert		103 025	NUT, Hex 5/16" NF (2))
10 177 626 H1	SPRING, Exhaust Stem			

BRAKE SYSTEM

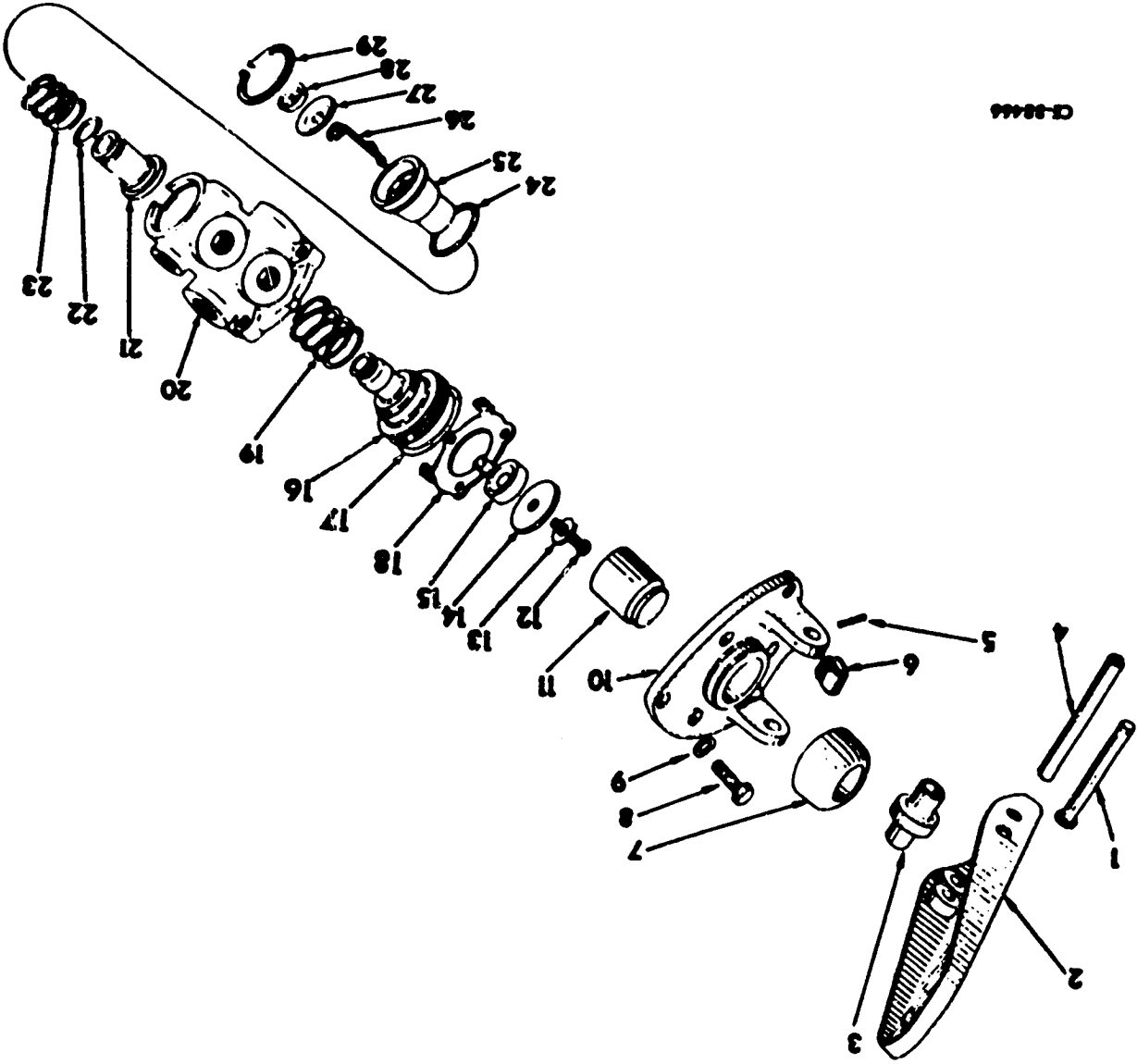
AIR HORN



CE-880-40

BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
AIR HORN - Continued					
	157 140 HI	BUTTON ASSEMBLY, Horn (Includes Items 1 thru 10)	27	35 221 RI	GROMMET
1	158 016 HI	BUTTON	28		SCREW, (Part of 145 775 HI - Not Furnished Separately)
2	103 373	PIN, Cotter 3/32 x 3/4"	28	219 437 HI	SCREW, (Used with Horn 217 165 HI) (8)
3		BODY, (Not Furnished Separately)	29	113 114	WASHER, Lock 1/4" (8)
4	158 012 HI	STEM	30	120 375	NUT, Hex 1/4" (Used with Horn 145 775 HI) (8)
5	363 220 RI	"O" RING, Stem 1/8 x 1/4 x 1/16"	31		SCREW, (Part of 145 775 HI - Not Furnished Separately)
6	158 013 HI	VALVE, Inlet	32	146 001 HI	SCREEN (2)
7	158 014 HI	SEAT, Spring	33	146 002 HI	RETAINER Screw (Used with Horn 145 775 HI) (2)
8	158 015 HI	SPRING		181 341	SCREW, Cap 5/16 NF x 1-1/4") Horn
9	145 986 HI	PLATE, Strainer		103 025	NUT, Hex 5/16" NF) Attaching
10		CAP, (Not Furnished Separately)		103 320	WASHER, Lock 5/16")
	181 315	SCREW, Cap 1/4 NF x 1" (2)) Horn Button			
	103 024	NUT, Hex 1/4" NF (2)) Attaching			
	103 319	WASHER, Lock 1/4" (2))			
	145 775 HI	HORN ASSEMBLY, (Order Horn 217 165 HI)			
		S/N .01 to 01151 except 01148			
	217 165 HI	HORN ASSEMBLY, (Includes Items 11 thru 33)			
		S/N 01152 & up also 01148			
11	145 988 HI	COUPLING, Mounting (Used with Horn 145 775 HI)			
11	219 375 HI	COUPLING, Mounting (Used with Horn 217 165 HI)			
12	145 989 HI	BELL, Short			
13	145 990 HI	BELL, Long			
14	145 991 HI	WASHER, Special			
15	145 992 HI	BODY, (Used with Horn 145 775 HI)			
15	219 435 HI	BODY, (Used with Horn 217 165 HI)			
16	145 993 HI	SEAT ASSEMBLY, Spring			
17	145 994 HI	SEAT, Spring (Used with Horn 145 775 HI only) (2)			
18	219 438 HI	SCREW, Set (2)			
19	114 502	NUT, Lock 5/16" NC (2)			
20	145 995 HI	SPRING (2)			
21	145 996 HI	DIAPHRAGM (2)			
22	145 977 HI	CONTACT, Spring (2)			
23	145 998 HI	COVER, (Used with Horn 145 775 HI) (2)			
23	145 998 HI	COVER, (Used with Horn 217 165 HI) (2)			
24	124 944	NUT, Thin 5/8 NF			
25		WASHER, Lock			
26	145 999 HI	GASKET			



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TREADLE VALVE

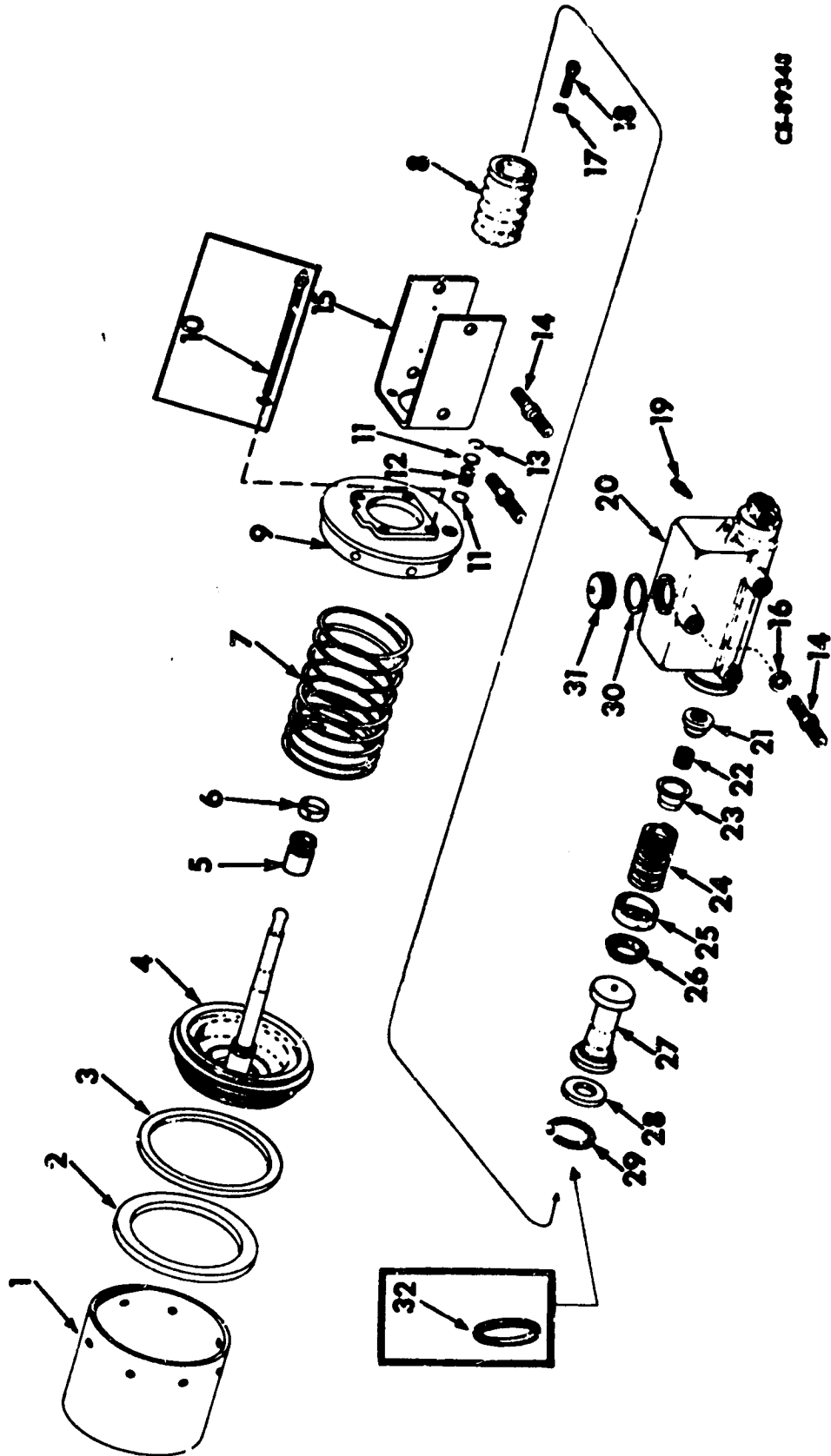
BRAKE SYSTEM

BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
TREADLE VALVE - Continued					
162 410 H3		VALVE ASSEMBLY, (Includes all of the following)	29	299 470 R1	RING, Retaining
178 964 H3		VALVE BRAKE, (Includes Items 172 305 H1, 172 319 H2, 348 192 C1 & 17 thru 19)		44 576	PLUG, Pipe 1/4" (3)) In Unused Ports
				44 588	PLUG, Pipe 1/2" (6)) In Brake Valves
172 305 H1		VALVE, Inlet-Exhaust Assembly (Includes Items 21 thru 28)		181 339	SCREW, Cap (6))
				103 320	WASHER, Lock (6)) Valve Mounting
				103 025	NUT, Hex (6))
				348 192 C1	FILTER VENT
172 319 H1		PISTON, Assembly (Includes Items 12 thru 16)			
178 170 H1		TREADLE SERVICE KIT, (Includes Items 1 thru 5)			
1	153 380 H1 107 762	PIN ROLLER PIN, Cotter 3/32 x 5/8"			
2	155 379 H1	TREADLE			
3	145 973 H1	ROLLER			
4	178 171 H1	PIN, Fulcrum			
5	178 172 H1	PIN, Roll			
6	155 382 H1	BUTTON, Stop			
7	155 377 H1	BOOT			
8	180 077	SCREW, Cap 5/16 NC x 3/4" (3)			
9	103 320	WASHER, Lock 5/16" (3)			
10	155 376 H1	PLATE, Mounting			
11	155 381 H1	PLUNGER			
12	179 071 H2	SCREW, Cap			
13	172 323 H1	WASHER, Lock			
14	172 322 H1	SEAT, Spring			
15	172 321 H2	SPRING, Rubber			
16	172 320 H2	PISTON			
17	236 183 R1	GROMMET, Piston Return			
18	172 326 H1	RETAINER, Piston			
19	145 958 H1	SPRING, Piston Return			
20	172 304 H1	BODY			
21	172 312 H1 179 025 H1	VALVE INLET & EXHAUST RETAINER, Valve			
22	172 314 H1	GROMMET, Valve			
23	172 315 H1	SPRING, Valve			
24	172 311 H1	GROMMET, Exhaust Valve			
25	303 572 H1 164 354	SEAT, Exhaust Valve SCREW, #8-32 x 3/8" Pan Hd.			
26	172 307 H1	SPRING INLET VALVE			
27	172 308 H1	DIAPHRAGM			
28	172 309 H1	WASHER, Diaphragm			

BRAKE SYSTEM

POWER CLUSTER

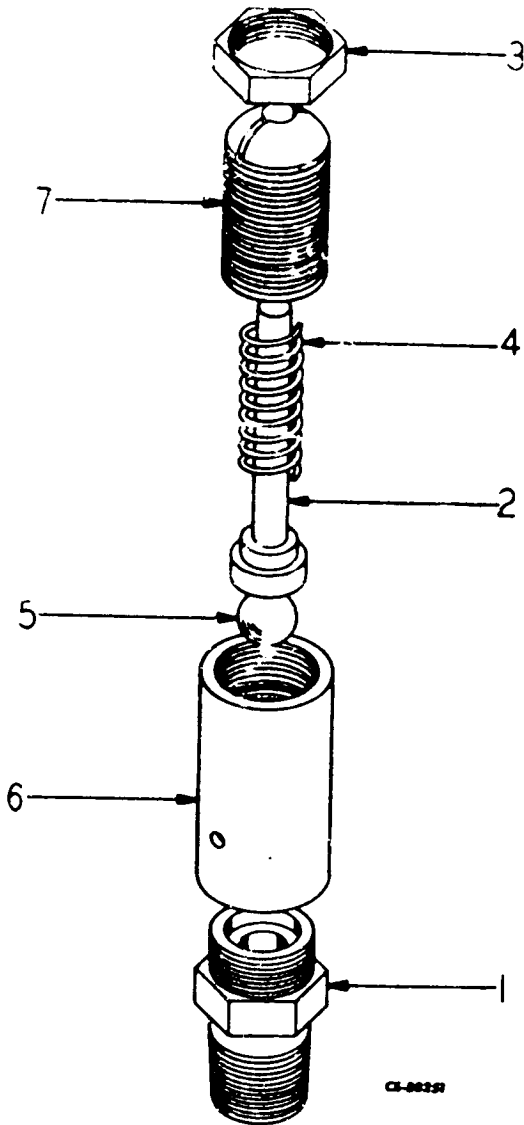


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BRAKE SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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SAFETY VALVE



	139 434 H1	VALVE, Safety (Includes the following -
1	141 244 H1	BODY
2	167 871 H1	PIN, Release
3	140 280 H1	NUT, Lock
4	140 278 H1	SPRING
5	140 275 H1	BALL
6	141 245 H1	CAGE, Spring
7	140 279 H1	NUT, Adjusting

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SECTION 14

ACCESSORIES & ATTACHMENTS

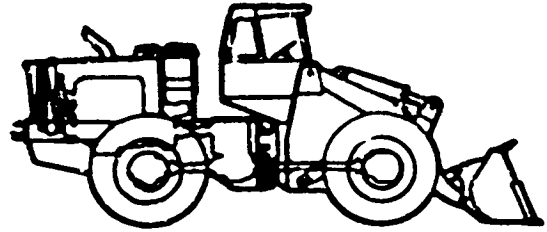


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ACCESSORIES & ATTACHMENTS

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DECAL & INSTRUCTION PLATES					
127607H3		PLATE, Serial Number	207209H2		PLATE, Lube & Instruction (G.H.)
215112H1		WASHER (4)	207210H2		PLATE, Lube & Instruction (Cummins)
1275.5H4		DECAL, Patent Number	207211H2		PLATE, Lube & Instruction (Detroit)
223210H1		DECAL, Model Symbol (2)	213878H1		PLATE, Name
178.65H1		DECAL, Model Symbol (2)	214122H1		PLATE, Name
112304H2		DECAL, Water	105898H1		SCREW (4)
131850H2		DECAL, Safety Instructions			
154190H2		DECAL, Converter Oil Temperature (replaced 177855H1)			
1415.5H2		DECAL, Diesel Fuel			
154839H2		DECAL, Oil Pressure Warning			
145270H2		DECAL, Air Reservoir Drain			
171559H2		DECAL, PAY [®] Loader			
222223H1		DECAL, PAY [®] Loader (2)			
165371H1		INSTRUCTION PLATE, Cold Weather Procedure (G.H.)			
165234H2		DECAL, Fuel Priming (G.H.) (2)			
165233H2		DECAL, Patent Number (G.H.)	143950H1		GUN, Grease
165235H2		DECAL, Made in USA (G.H.)	143951H1		NOZZLE ASSEMBLY
165236H2		DECAL, Valve Lash & Injector Setting (G.H.) (2)	143952H1		CLAMP, Grease Can
165237H2		DECAL, Oil Filter (G.H.) (3)	154201H1		WRENCH, Valve Adjusting
165232H2		DECAL, Generator Warning (G.H.)	217999H1		HOSE, Tire Inflation
147909H1		DECAL, Blower Fan (G.H.)	103537H1		HANDLE, Wheel Nut Wrench
161177H2		DECAL, Warning	161902H1		HANDLE, Extension
180930H1		DECAL, Hydraulic Reservoir	103530H1		WRENCH, Wheel Nut
2794004R1		PRODUCT GRAPHIC, Transmission Fluid Instructions			
143892H2		DECAL, On			
143894H2		DECAL, Off			
125159H2		DECAL, Starter			
172177H1		DECAL, Cold Weather Start (Cummins)			
205654H1		DECAL, Engine & Emergency Shutdown			
205895H1		DECAL, Caution - Clearance			
178492H1		PLATE, Parking Brake Light			
150000H1		RIVE [®] , Drive (2)			
205463H1		DECAL, Caution - Hinge Pin No. (2)			
205462H1		DECAL, Latch Pressure - S/N 117811-1033 & Up			

TOOLS

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203151H1	CAB & SIDE ENCLOSURE ASSEMBLY (Includes next two (2) items)	
191747H1	CAB SIDE ENCLOSURE	14-8
202330H1	CAB, W/FRONT WIPER	14-7
191818H1	DRY BALLAST KIT (500 LBS.)	•
210089H1	DRY BALLAST KIT (600 LBS.)	•
195126H1	HEATER & DEFROSTER KIT G.H. & CUMMINS)	14-11
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205409H1	HYDRAULIC 4-in-1 CONVERSION KIT	14-19
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• - 1 Item Kit



ACCESSORIES & ATTACHMENTS

BUCKETS

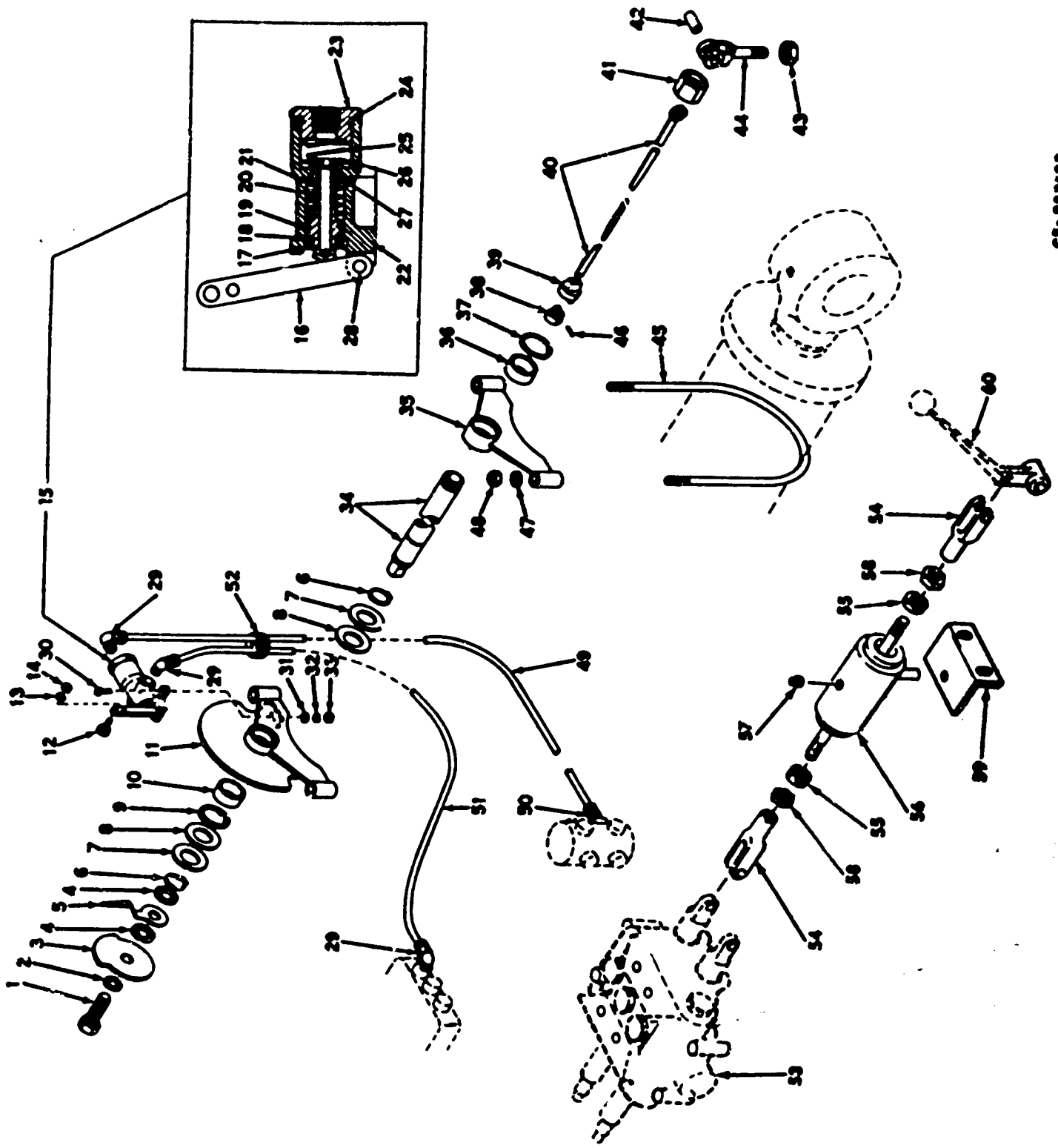
All capacities calculated by SAE Formula.
All widths are nominal over-all dimensions.

BUCKET	WIDTH	CAPACITY	EDGE	TIP	SIDE EDGE	TEETH
215361H1	120 inches	4 cu. yd. rated	876387C1		160196H1	215406H1 Weld On 208330H1 Bolt On
215512H1	108 inches	4 cu. yd. rated	876372C1	216955H1	160196H1	215406H1 Weld On 208330H1 Bolt On
215312H2	120 inches	4-1/2 cu. yd. rated	876387C1		160196H1	215406H1 Weld On 208330H1 Bolt On
211175H1	130 inches	5 cu. yd. rated	886333C1		160196H1	215406H1 Weld On 208330H1 Bolt On
215171H1	126 inches	Rock Bucket	876404C1			

TIRE EQUIPMENT

TIRE SIZE	WHEEL	FLANGE	LOCK RING	BEAD SEAT RING	"O" RING	VALVE STEM	DUMMY VALVE	NUT
23.5/25 - 20 Ply Super Hard Rock	176459H3	162778H1	165328H1	162780H1	141253H1	206619H2	206620H3	191848H1
26.5/25 - 14 Ply Super Hard Rock	201699H2	179937H1	141255H1	141254H1	141253H1	206619H2	206620H2	191848H1
26.5/25 - 20 Ply Sure Grip	201699H2	179937H1	141255H1	141254H1	141253H1	206619H2	206620H2	191848H1
26.5/25 - 20 Ply Super Hard Rock	201699H2	179937H1	141255H1	141254H1	141253H1	206619H2	206620H2	191848H1
26.5/25 - 20 Ply Land Fill	201699H2	179937H1	141255H1	141254H1	141253H1	206619H2	206620H2	191848H1
23.5/25 - 24 Ply Sure Grip	176459H3	162778H1	165328H1	162780H1	141253H1	206619H2	206620H3	191848H1
23.5/25 - 24 Ply Super Hard Rock	176459H3	162778H1	165328H1	162780H1	141253H1	206619H2	206620H3	191848H1
26.5/25 - 26 Ply Super Hard Rock	201699H2	179937H1	141255H1	141254H1	141253H1	206619H2	206620H2	191848H1
26.5/25 - 26 Ply Sure Grip	201699H2	179937H1	141255H1	141254H1	141253H1	206619H2	206620H2	191848H1

ACCESSORIES & ATTACHMENTS



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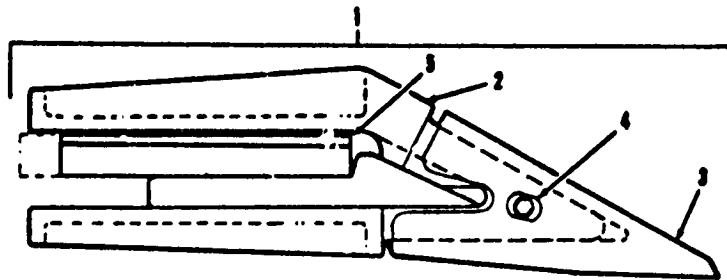
BUCKET LEVELER & POSITION INDICATOR KIT

ACCESSORIES & ATTACHMENTS

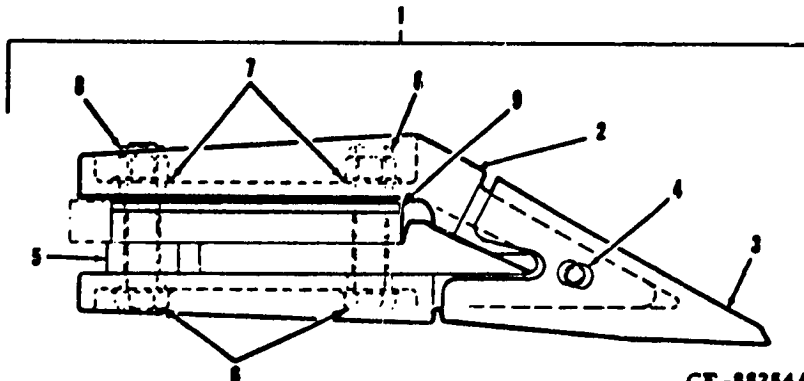
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
BUCKET LEVELER & POSITION INDICATOR KIT					
	207384H1	KIT, Bucket Leveler & Position Indicator (7-inch)	37	206321H1	RING, Retaining
	206410H1	DRAWING, Installation	38	206326H1	PLUNGER
1	271583	SCREW, Cap - 5/8 NF x 1-1/2	39	206327H1	WIPER
2	103325	WASHER, Lock - 5/8	40	206322H1	SLIDE
3	206328H1	CAM	41	9403532	NUT, Tube
4	158282H1	WASHER, Lock (2)	42	102279H1	PIN, Clevis
5	206329H1	INDICATOR	43	114498	NUT, Jam - 5/8 NF (2)
6	206320H1	RING, Retaining (2)	44	206325H1	CLEVIS, Rod End
7	206330H1	WASHER, Thrust (2)	45	207527H1	"U" BOLT (2)
8	206331H1	WASHER, Thrust (2)	46	197307H1	PIN, Spring
9	206321H1	RING, Retaining	47	106265	WASHER, Flat - 1/2 (4)
10	206319H1	BUSHING	48	18452R1	NUT - 1/2 NF (4)
11	207501H1	BRACKET, Rear	49	206408H1	HOSE, R.H. Brake Valve to Control Valve
12	210917H1 202604H1 210918H1	FOLLOWER ASSEMBLY, Cam FOLLOWER BUSHING	50	206406H1	COUPLING, Straight
13	103319	WASHER, Lock - 1/4	51	206409H1	HOSE, Control Valve to Hydraulic Valve
14	103024	NUT - 1/4 NF	52	189017H1	STRAP, A Hoses to Bucket Cylinder Hose (2)
15	186634H1	VALVE, Control	53		VALVE, Main Control (See Section 11)
16	188577H1 188562H1	LEVER VALVE, Emergency Control	54	104039	YOKE, 1 1/2" (2)
17	188575H1	RING, Retaining	55	376022R91	SEAL (2)
18	188572H1	SEAL, Plunger	56	885405C21	ABSORBER w/PLUG, 445684 and two SEAL, 376022R91
19	169240R1	GROMMET, Plunger	57	445684	PLUG
20	188571H1	PLUNGER	58	113027H1 114496	U-BOLT NUT, 1/2 NF (2)
21	188570H1	SPRING	59	886005C2 181315 103319 103024	ANGLE BOLT, 1/4 NF x 1" (2) WASHER, Lock 1/4" (2) NUT, Hex 1/4" (2)
22	188563H1	BODY	60		LEVER, (Bucket) See Section 9
23	188568H1	CAP		FGH-10798 882026C1	DRAWING, Installation FRAME, Front
24	188567H1	RING, Sealing			
25	188565H1	SPRING			
26	188564H1	VALVE			
27	188563H1	WASHER			
28	188576H1	PIN			
29	206407H1	COUPLING, 90° (3)			
30	181314	SCREW, Cap - 1/4 NF x 7/8 (2)			
31	106261	WASHER, Lock - 1/4 (2)			
32	103319	WASHER, Lock 1/4 (2)			
33	103024	NUT - 1/4 NF (2)			
34	207568H1	TUBE			
35	207499H1	BRACKET, Front			
36	206319H1	BUSHING			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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CE-88253



CE-88254A

BUCKET TOOTH ASSEMBLY (Welded)

BUCKET TOOTH ASSEMBLY (Bolt On)

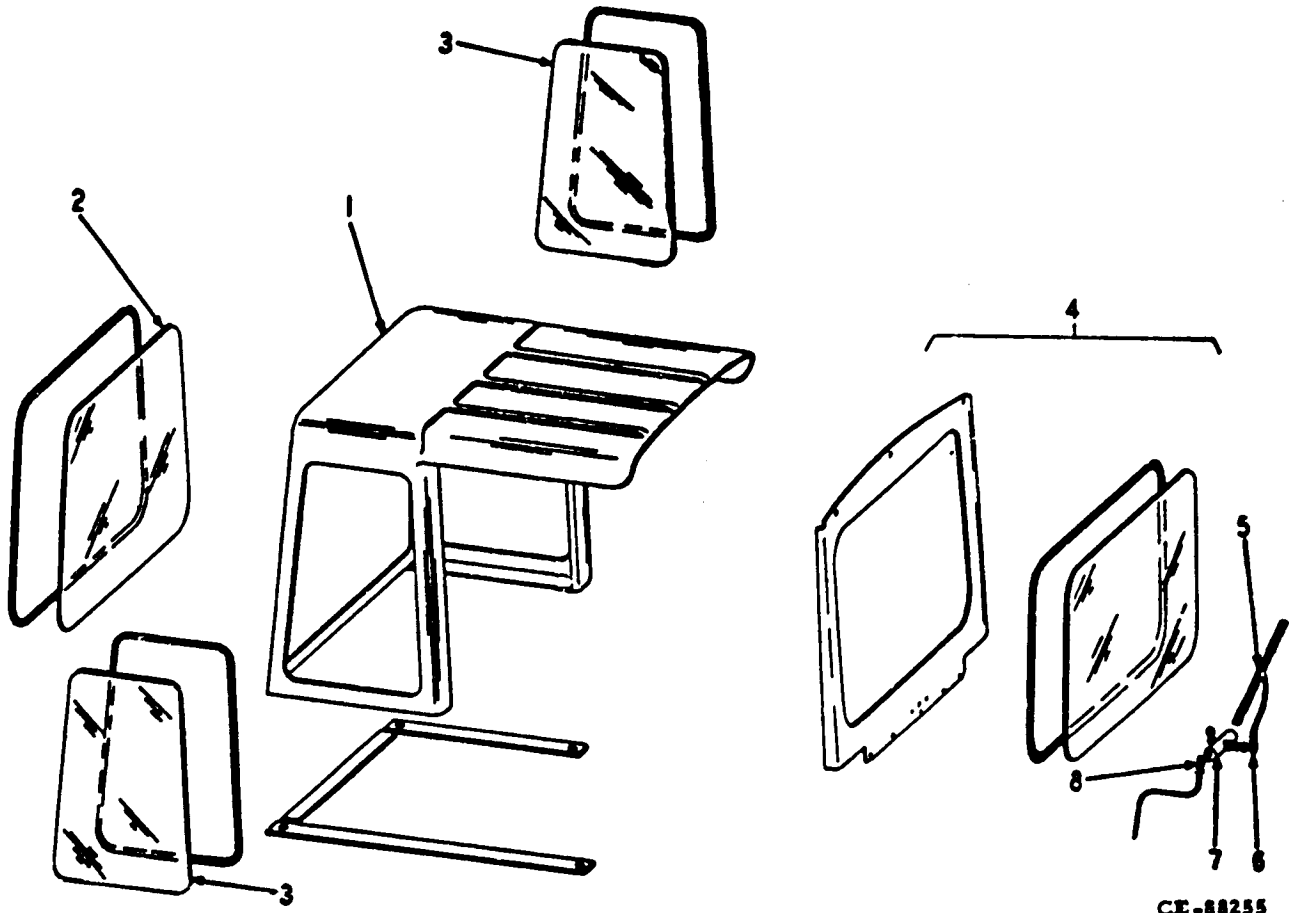
	215406H1 BUCKET TOOTH ASSEMBLY, Complete TOOTH ASSEMBLY		208330H1 BUCKET TOOTH ASSEMBLY, Complete TOOTH ASSEMBLY
1		1	
2	206957H3 SHANK	2	206957H3 SHANK
3	181266H2 TIP, Replaceable	3	181266H2 TIP, Replaceable
4	160163H1 PIN, Roll 215412H1 DRAWING, Installation	4	160163H1 PIN, Roll
5	215416H1 SPACER 215417H1 SHIM	5	103075H1 SLEEVE
		6	271665 BOLT - 7/8 NC x 4-1/4 (2)
		7	103347 WASHER, Flat - 7/8 (4)
		8	18549R1 NUT - 7/8 NC (2) 208137H1 CHART, Bucket Tooth Installation

NOTES: Bucket teeth should be located with the two end teeth as near to bucket ends as possible. Space the remaining teeth equally at approximately 9 to 10 inches on centers.

Bucket tooth assembly part numbers are for reference only. Assemblies cannot be order from the Parts Center. Component parts must be ordered as individual items.

ACCESSORIES & ATTACHMENTS

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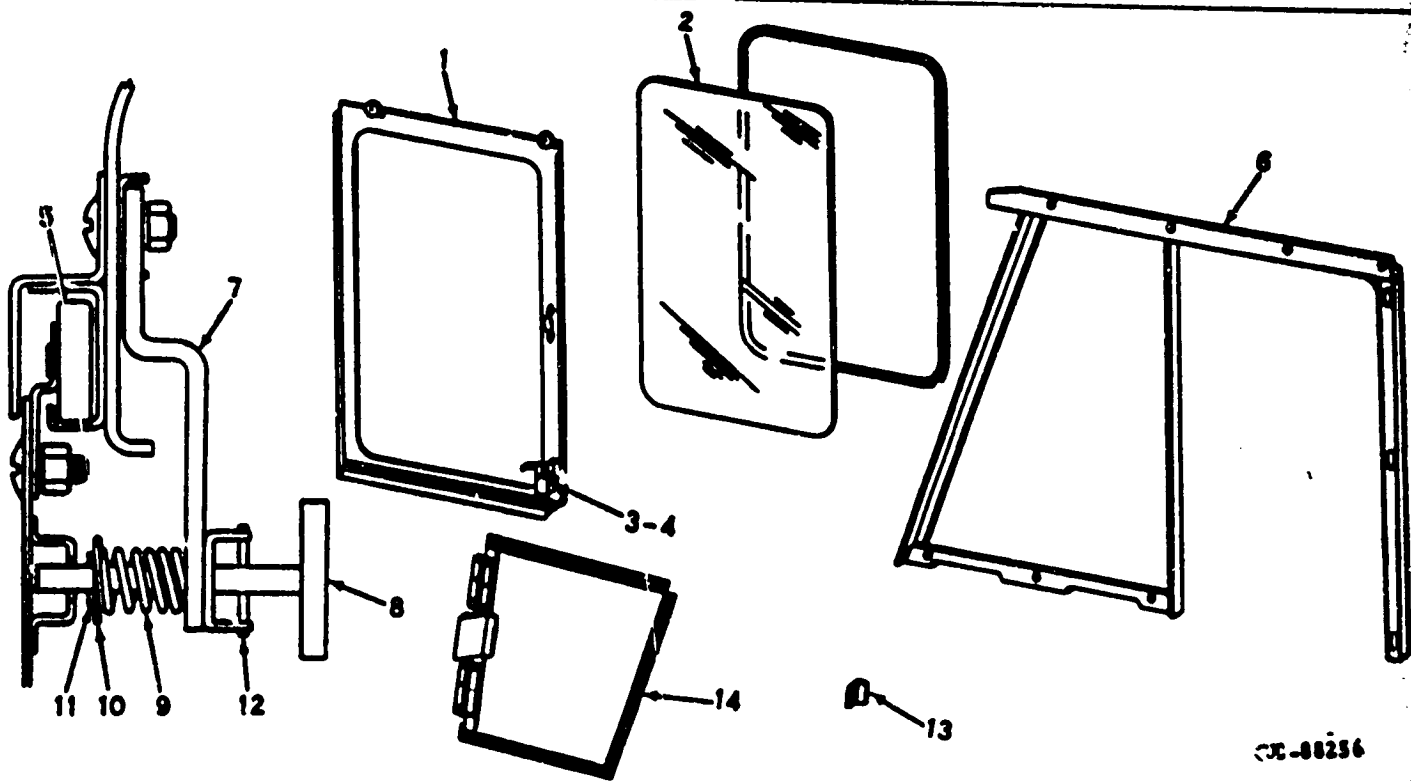


CAB WITH FRONT WIPER

	202338H1	KIT, Cab Attachment		178930H1	RUBBER, Side (2)		
	183234H1	DRAWING, Cab & Windshield Wiper Installation		178931H2	RUBBER, Rear)	
	187848H1	MANUAL, Cab Installation		195071H1	RUBBER, Front (2))	
	195063H1	CAB ASSEMBLY		181425	BOLT - 1/2 NF x 3/4 (4)	)	Cab Mount- ing
	178924H3	CANOPY ASSEMBLY		103323	WASHER, Lock - 1/2 (4))	
1	NSS	CANOPY		103028	NUT - 1/2 NF (4))	
				181364	BOLT - 3/8 NF x 1 (8))	
2	178926H1	WINDOW, Rear		106263	WASHER, Flat - 3/8 (12))	
	178927H1	MOLDING		103321	WASHER, Lock - 3/8 (8))	
	183998H1	FILLER		103026	NUT - 3/8 NF (8))	
3	189901H1	WINDOW, Rear Quarter (2)	5	157558H1	BLADE, Wiper - 14")	
	189902H1	MOLDING (2)		6	157556H1	ARM, Wiper - 18"	
	189903H1	FILLER (2)		7	164459H1	MOTOR, Windshield Wiper	
	188580H1	RETAINER, R. H.			168937H1	SPACER (2)	Wiper Motor Mounting
	188581H1	RETAINER, L. H.			186252H1	SCREW (2)	
	194495H1	RETAINER, Rear			155531H1	WASHER, Lock (2)	
					179626H1	NUT (2)	
4	195135H1	WINDSHIELD ASSEMBLY		4	157557H1	VALVE, Control	
	NSS	FRAME			179526H1	TUBE	
	178934H1	GLASS, Windshield			151982H1	BUSHING, Reducer	
	216460H1	MOLDING			164839H1	ELBOW	
	181210H1	SCREW, Cap			112327H1	NIPPLE, Close	
	106261	WASHER, Flat - 1/4 (4)			175773H1	UNION	
	103319	WASHER, Lock - 1/4 (4)			139017H1	CLAMP (2)	
	109084	NUT - 1/4 NC (4)			165895H1	HOSE, Wiper Extension	
	181364	BOLT - 3/8 NF x 1 (3)	) Wind-				
	103321	WASHER, Lock - 3/8 (3)	) shield				
	103026	NUT - 3/8 NF (3)	) Mtg.				
	109826H1	GLASS, Windshield					

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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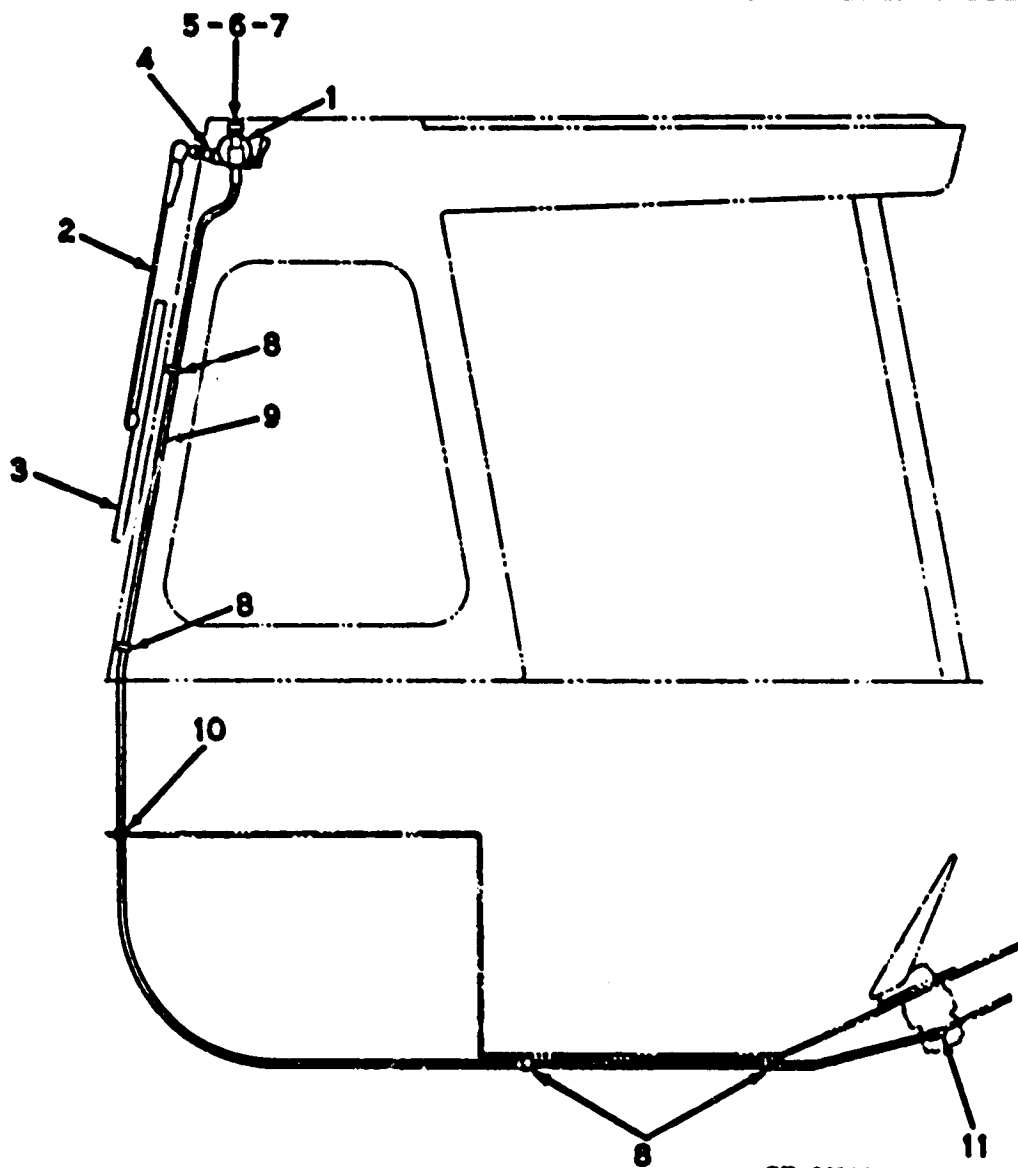
CX-88256

CAB SIDE ENCLOSURE

1	197747H1 188853H1 188849H1 178977H2 178987H2	KIT, Cab Side Enclosure MANUAL, Fiberglass Cab Installation ENCLOSURE, Side DOOR ASSEMBLY, L.H. (Includes Items 2 thru 4) DOOR ASSEMBLY, R.H. (Includes Items 2 and 3)	7	191238H2 191237H2	RETAINER, Front - L.H. RETAINER, Front - R.H.
2	178979H1 178980H1 183991H1	WINDOW, Door MOLDING, Door FILLER, Door	8	191023H1	HANDLE, Tee
3	178903H1 178969H1 181208H1	LATCH, Door - L.H. LATCH, Door - R.H. SCREW, R.H. & L.H. Latch (8)	9	191024H1	SPRING
4	178910H1 181209H1	HANDLE, L.H. (With Keys) SCREW (2)	10	103341	WASHER, Flat - 3/8
5	178911H1	ROLLER ASSEMBLY (4)	11	191264H1	PIN, Short
6	181749H1 103319 109084 189318H1 189319H1 179793 103319 109084 181210H1 106261 103319 109084 189336H2 189335H2	SCREW, Cap (3)) Roller WASHER, Lock - 1/4 (8)) Mount- NUT - 1/4 NC (8)) ing ENCLOSURE ASSEMBLY, L.H. ENCLOSURE ASSEMBLY, R.H. BOLT - 1/4 NC x 5/8 (6)) Enclosure WASHER, Lock - 1/4 (6)) to NUT - 1/4 NC (6)) Canopy SCREW, Cap (12)) Enclo- WASHER, Flat - 1/4 (8)) sure WASHER, Lock - 1/4 (12)) Mount- NUT - 1/4 NC (12)) ing RETAINER ASSEMBLY, L.H. RETAINER ASSEMBLY, R.H.	12	191265H1	PIN, Long
			13	188524H2	SCREW, Cap (2)) Retainer WASHER, Lock - 1/4 (2)) to NUT - 1/4 NC (2)) Canopy
			14	181210H1 106261 103319 109084	STRIKER (2) SCREW, Cap (4)) WASHER, Flat - 1/4 (4)) Striker WASHER, Lock - 1/4 (4)) Mounting NUT - 1/4 NC (4))
				197729H1 197731H1 143606H1 119138H1 103341 191264H1 197732H1 181309 106261 103319 181311 189584H1	DOOR ASSEMBLY, Lower HANDLE PIN, Long SPRING WASHER, Flat - 3/8 PIN, Short STOP, Door BOLT - 1/4 NF x 1/2 (4)) Door WASHER, Flat - 1/4 (5)) Mount- WASHER, Lock - 1/4 (5)) ing SCREW, Cap - 1/4 NF x 5/8 RUBBER, Mounting (R.H. Side, Front)

ACCESSORIES & ATTACHMENTS

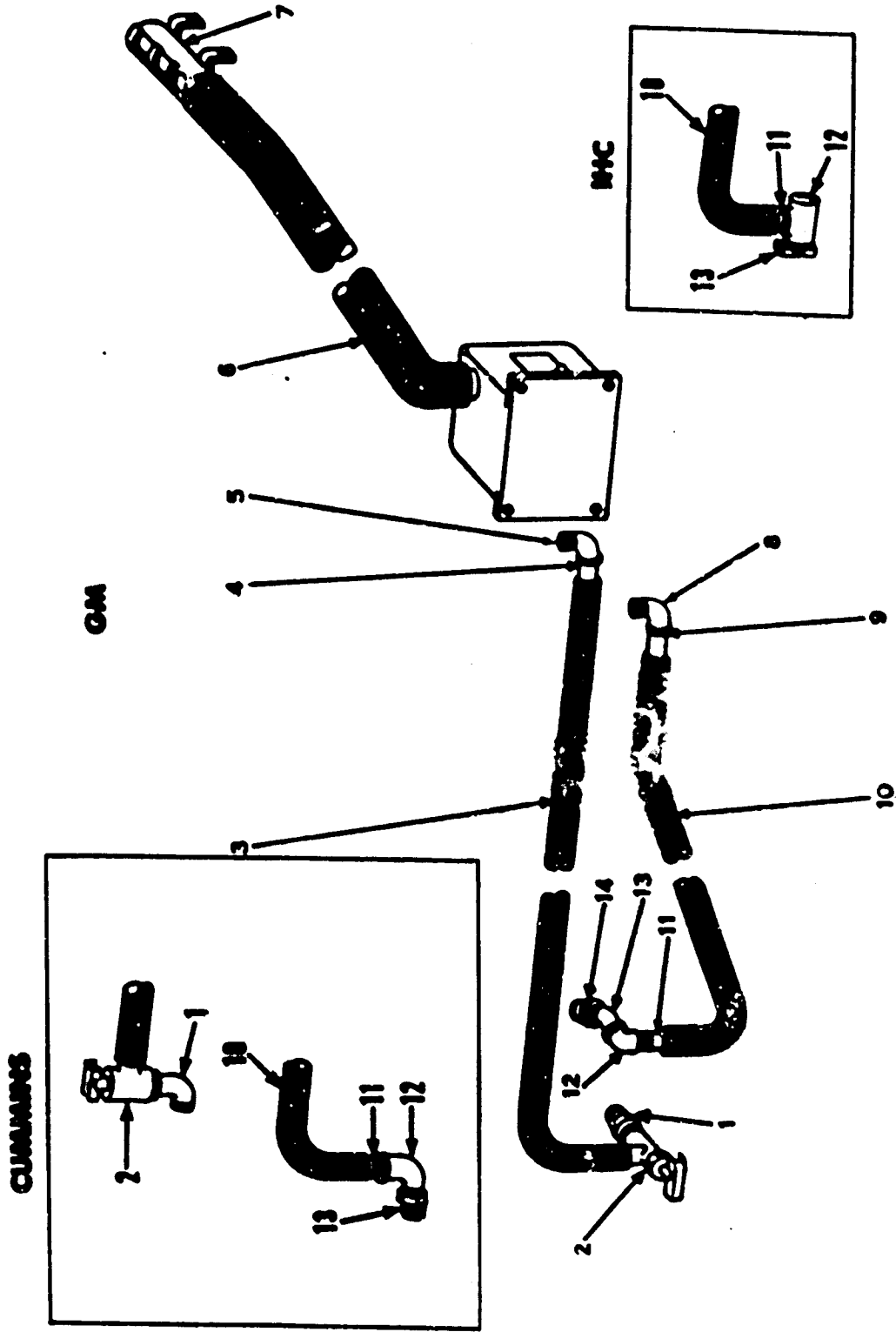
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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REAR WIPER KIT

200027H1	KIT, Rear Wiper	7	175775H1	ELBOW	
206050H1	DRAWING, Installation	8	140580	CLAMP (4)	
206051H1	DRAWING, Canopy Rework		182820H1	SCREW, Cap (2))	
1	164459H1	MOTOR ASSEMBLY, Wiper	103319	WASHER, Lock (2))	
2	168399H1	ARM, Wiper	103024	NUT (2))	
3	157558H1	BLADE, Wiper	9	182949H1	TUBE
4	182696H1	BRACKET, Motor Mount	10	158170H1	GROMMET
	179625H1	SCREW, Cap (4))	11	183479H1	TEE)
	155531H1	WASHER, Lock (4))		143148H1	ADAPTER)
	121743	NUT (4))		445684	PLUG, Pipe : Used when cab is shipped loose to Plug Tube (9)
5	157557H1	VALVE, Control			
6	105404	NIPPLE			

ACCESSORIES & ATTACHMENTS



CS-130

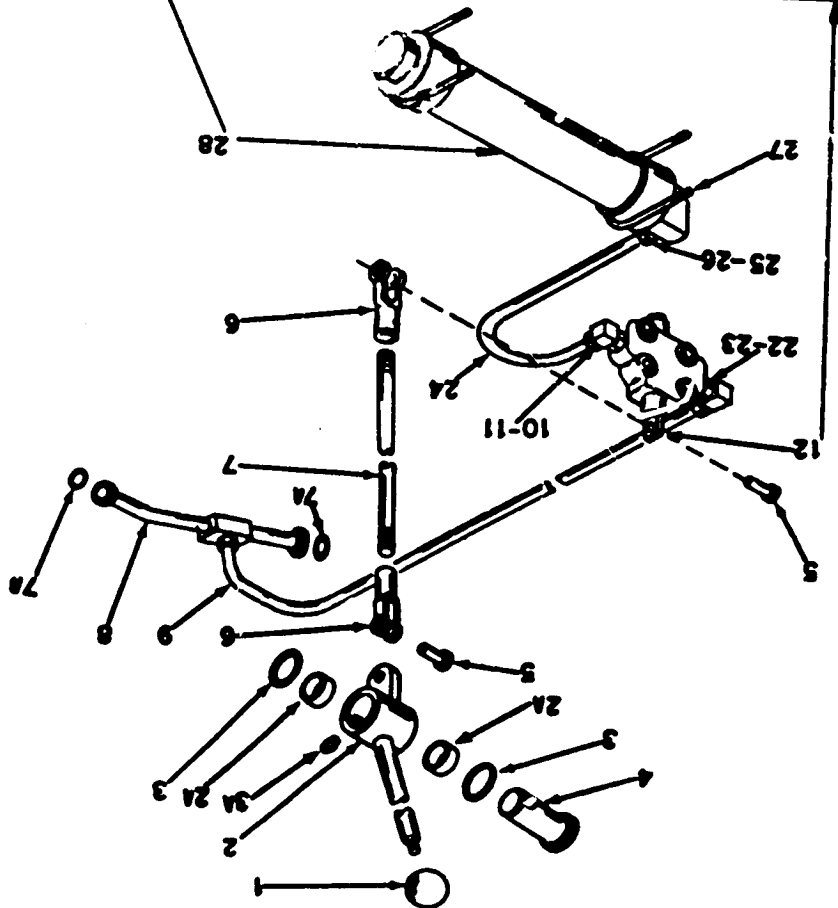
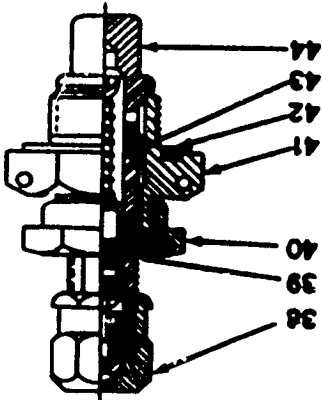
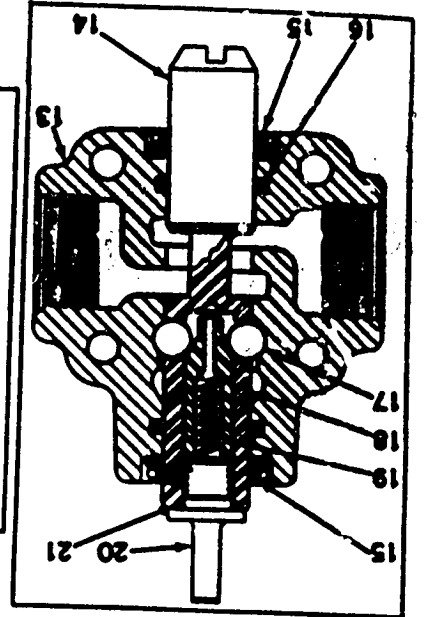
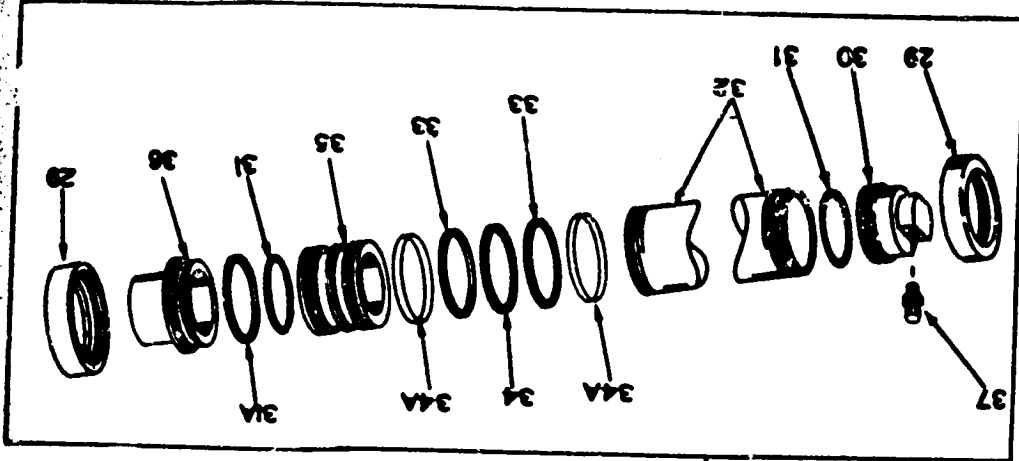
HEATER & DEFROSTER KIT

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
HEATER & DEFROSTER KIT			REAR WINDOW DEFROSTER KIT		
	885062C91	KIT, Heater & Defroster, G.M.		187495H1	KIT, Rear Window Defroster
	885064C91	KIT, Heater & Defroster, I.H. & Cummins		187496H1	DRAWING, Installation
	211017H1	DRAWING, Installation		187497H1	DRAWING, Canopy Rework
	103025	KIT, Heater (Evans HV-210527) (See Heater Kit in this section)		187499H1	TUBE, Diffuser
	103320	NUT - 5/16 NF (4)) Heater		189324H1	CLIP, Formed (2)
		WASHER, Lock - 5/16 (4)) Mounting		181115	SCREW, Cap - 1/4 NF x 3/4 (4)
	133832H1	TERMINAL		103319	WASHER, Lock - 1/4 (4)
	215289H1	WIRE, Connector to Heater		103024	NUT - 1/4 NF (4)
	113868H1	CONNECTOR		187488H1	TUBE, Flexible
	201874H1	GROMMET, Hose Support (4)		279027R91	CLAMP (2)
	196349H1	BRACKET (G.M.) (2)		200112H1	COLLAR ASSEMBLY
	133153	SCREW (4)			
	103321	WASHER, Lock (4)			
	215231H1	SUPPORT, Hose (I.H. and Cummins) (2)			
	179818	SCREW, Cap - 5/16 NC) x 1 (4)) Hose			
	615031R1	WASHER, Flat - 5/16 (4)) Support			
	103320	WASHER, Lock - 5/16 (4)) Used With			
	102634	NUT - 5/16 NC (4)) 215231H1			
	127440H1	GROMMET, Floorboard (2)			
	107544H1	GROMMET, Junction Plate			
	139017H1	STRAP, Water Hose (3)			
	201875H1	CLAMP, Hose (5)			
LINE HOT WATER FEED					
1	144046	BUSHING (G.M. Only)			
1	21156R1	ADAPTER (I.H. Only)			
1	120702	ELBOW, Street Elbow (Cummins Only)			
2	301803R91	COCK, Shut-off			
	168802H1	CLAMP			
3	187226H2	HOSE (G.M. Only)			
3	197598H2	HOSE (I.H. & Cummins Only)			
4	123700H1	NIPPLE			
	168802H1	CLAMP			
5	120063	ELBOW, 90°			
LINE FRONT DEFROSTER					
6	197599H1	HOSE, Defroster			
7	159839H3	TUBE, Diffuser			
	279027R91	CLAMP (2)			
LINE HOT WATER RETURN					
8	120063	ELBOW, 90°			
9	123700H1	NIPPLE			
	168802H1	CLAMP			
10	187226H2	HOSE (G.M. Only)			
10	197598H2	HOSE (I.H. & Cummins Only)			
11	123700H1	NIPPLE			
12	120063	ELBOW, 90°)			
13	120702	ELBOW, 45°) (G.M. Only)			
14	144046	BUSHING, Reducer)			
	168802H1	CLAMP			
12	120063	ELBOW, Street) (Cummins			
13	144048	BUSHING, Reducer (2)) Only)			
12	444258	TEE)			
13		VALVE, Drain - received) (I.H.			
		with engine) Only)			
	120063	ELBOW, 90°)			
	144048	BUSHING, Reducer (2))			

ACCUMULATOR KIT

DIAGRAM

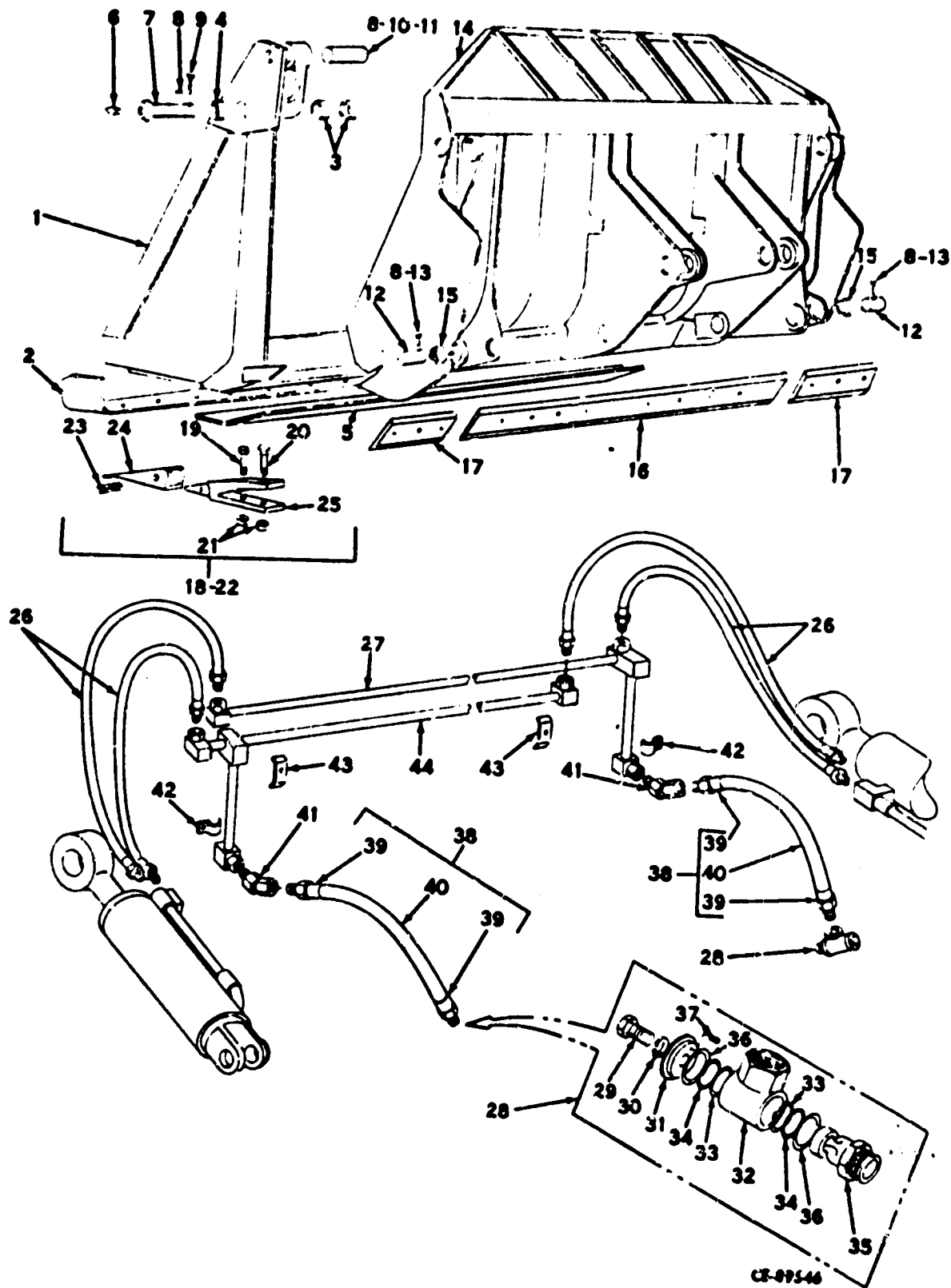


ACCESSORIES & ATTACHMENTS

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
ACCUMULATOR KIT					
	208430H1	KIT, Accumulator	30	215695H1	GAS, End
	210245H1	DRAWING, Rework	31	215701H1	"O" RING (2)
	209596H1	DRAWING, Installation	31A	215702H1	RING, Back-up (2)
1	HL-3343	KNOB, Lever	32	215696H1	CYLINDER
2	209604H1	LEVER	33	215697H1	"O" RING (2)
2A	144244H1	BUSHING (2)	34	215699H1	"T" RING
3	307915R1	"O" RING (2);	34A	215700H1	GUIDE, Teflon (2)
3A	109461	FITTING, Grease	35	215698H1	PISTON
4	209605H1	PIN, er Mounting	36	215703H1	PORT, End
	181349	SCREW, Cap - 5/16 NF)	37	215693H1	VALVE, Air
	103-20	x 2-1/2) Pin	38		CAP
	103025	WASHER, Lock - 5/16) Mounting	39		CORE
		NUT - 5/16 NF)	40		NUT
5	114784	PIN, W/Cotter (2)	41		STEM
	NSS	PIN, Cotter (2)	42		"O" RING
6	104037	CLEVIS, Rod End (2)	43		"O" RING
7	135711H1	ROD	44	210246H1	HOUSING
7A	283189R1	"O" RING		153890H1	ANGLE, Accumulator
7B	252482R1	"O" RING		153891H1	LUG
8	210247H1	TUBE, Boom Raise		134195H2	DECAL, Precharge
9	210248H1	TUBE, Valve to Boom Raise Tube		209606H1	PLATE, Instruction
10	9410981	ELBOW			
11	296247R1	"O" RING			
12	140493H1	VALVE, Control			
13	NSS	HOUSING			
14	NSS	PLUNGER			
15	140791H1	SEAL, Oil (2)			
16	164523R1	"O" RING (2)			
17	140806H1	BALL (3)			
18	140808H1	CAM, Ball			
19	140793H1	SPRING, Detent			
20	140807H1	END, Plunger			
21	164517R1	"O" RING			
	181350	SCREW, Cap - 5/16 NF)			
	615031R1	x 3 (2)) Valve			
	19503R1	WASHER, Flat - 5/16 (2)) Mtg.			
		NUT - 5/16 NF (2))			
22	296247R1	"O" RING			
23	9410981	ELBOW			
24	209602H1	TUBE, Valve to Accumulator			
25	9410207	ADAPTER			
26	296247R1	"O" RING			
27	14-872H1	"U" BOLT (2)			
	1C6263	WASHER, Flat - 3/8 (4)			
	17234R1	NUT - 3/8 NF (4)			
28	209787H1	ACCUMULATOR			
29	143588H1	RETAINER, Nut (2)			

ACCESSORIES & ATTACHMENTS



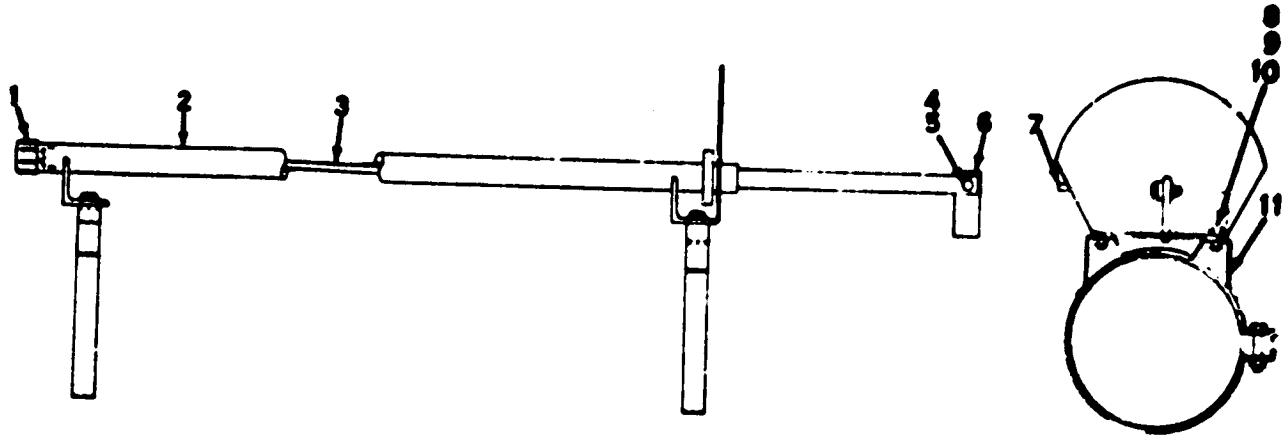
FOUR-IN-ONE BUCKET KIT

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
FOUR-IN-ONE BUCKET KIT					
* 205748H1		KIT, 4-in-1 Bucket (With Teeth (*Hough Part Number)	30	7342	WASHER, Lock (2)
* 205749H1		KIT, 4-in-1 Bucket (Less Teeth) (*Hough Part Number)	31	7992	GUARD, Dirt (2)
		CLAM CYLINDER & RELIEF VALVE GROUP (See Breakdown) (Ref.)	32	46326	SLEEVE, Swivel (2)
55505		INDICATOR ASSEMBLY, Tilt (See Breakdown) (Ref.)	33	6583	"O" RING (4)
55506		DRAWING, Indicator Installation	34	6917	RING, Back-up (4)
		BUCKET & HYDRAULIC LINES GROUP	35	46325	STEM, Swivel (2)
			36	5815	"O" RING (4)
1	950018	CLAM	37	5275	PIN (2)
2	27234	EDGE, Cutting (Weld On)	38	15075	HOSE ASSEMBLY (2)
3	22744	BUSHING (4)	39	9449	COUPLING (4)
4	22792	BUSHING (2)	40	28464	HOSE, 1 x 27-1/2 inch (2)
5	48230	PLATE, Compaction	41	9466	SWIVEL (2)
6	12031	FITTING, Grease (2)	42	45219	CLAMP (2)
7	26223	PIN, Clam to Moldboard (2)		4397	WASHER, Lock (2)
8	4627	PIN, Cotter (6)		4222	NUT (2)
9	10834	PIN, Clevis (2)	43	44043	CLAMP (2)
				4397	WASHER, Lock (2)
				4222	NUT (2)
10	46399	PIN, Cylinder Top Hinge (2)	44	27309 ²	TUBE ASSEMBLY, Lower
11	10835	PIN, Clevis (2)		45226	DECAL, Clam Opening
12	42999	PIN, Cylinder Lower Hinge (2)			DECAL, Clean Daily
13	10833	PIN, Clevis (2)			
14	951049	MOLDBOARD, Bulldozer			
15	41236	BUSHING (3)			
16	27231	EDGE, Cutting			
	3880	BOLT, Plow (16)			
	4227	NUT (16)			
17	46498	EDGE, Corner (2)			
	3880	BOLT, Plow (6)			
	4227	NUT (6)			
18	26161	TOOTH ASSEMBLY, Bucket (With Bolts) (205748H1 Only) (7)			
19	15789	BOLT (7)			
20	15790	BOLT (7)			
21	4228	NUT (2)			
22	26160	TOOTH ASSEMBLY, Bucket (Less Bolts) (7)			
23	7895	PIN (7)			
24	25334M1	TIP, Replaceable (7)			
25	26157	SHANK (7)			
26	8439	HOSE (4)			
27	27308	TUBE ASSEMBLY, Upper			
28	26089	SWIVEL (2)			
29	2349	BOLT (2)			

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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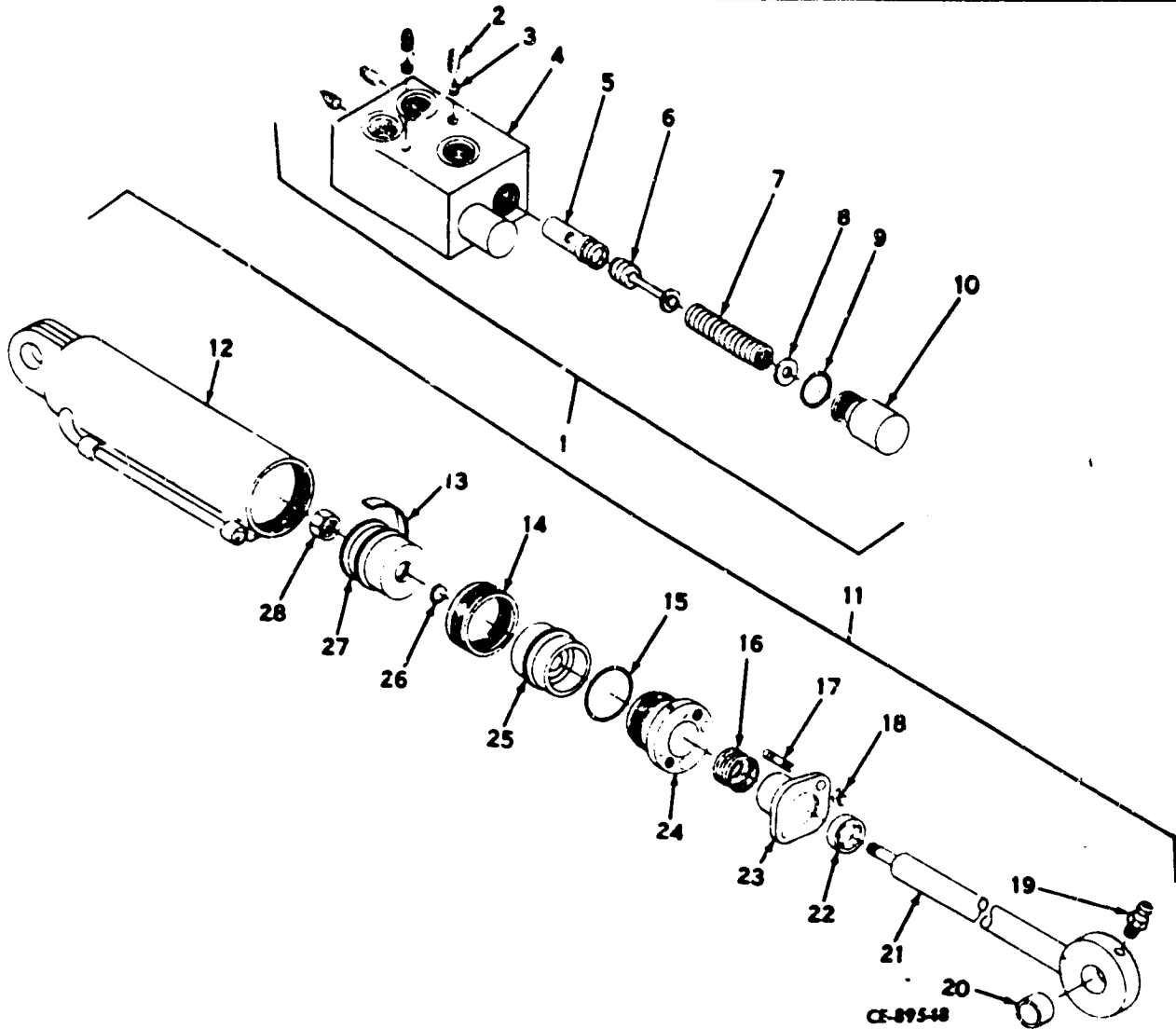
CL-87647

FOUR-IN-ONE BUCKET KIT TILT INDICATOR ASSEMBLY

55505	INDICATOR ASSEMBLY, Tilt	6	74525	HOLDER, Indicator Bar	
1	CD-12		7	207852	POINTER
2	36526		8	7383	WASHER, Flat (4)
3	207220		9	2375	BOLT (4)
4	2351		10	17166	NUT (4)
5	17165		11	74526	CLAMP (2)

ACCESSORIES & ATTACHMENTS

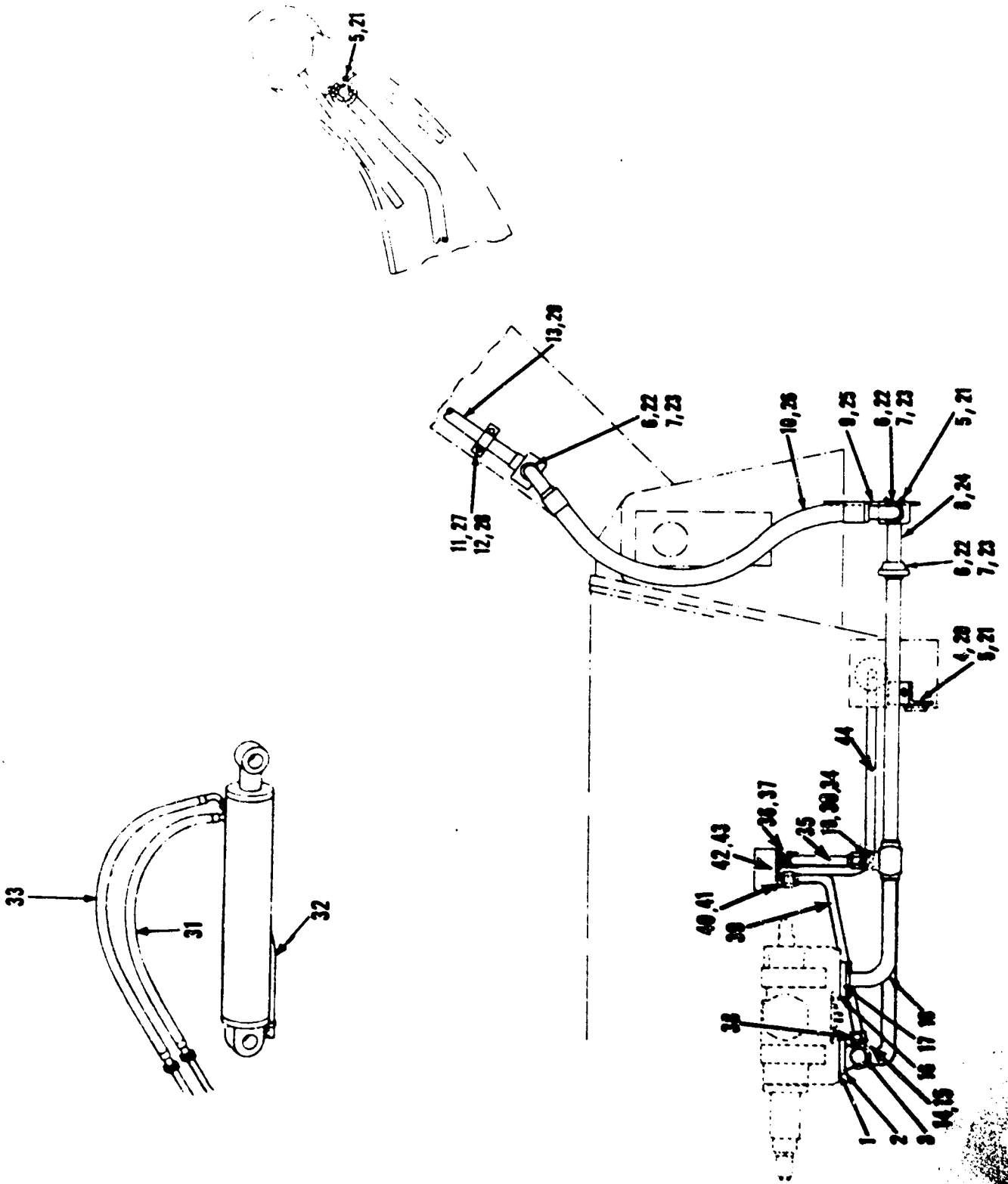
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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**FOUR-IN-ONE BUCKET KIT
CLAM CYLINDER AND RELIEF VALVE GROUP**

		CLAM CYLINDER AND RELIEF VALVE GROUP	15	1722	"O" RING (2)
1	31700	VALVE, Relief	16	28514	V-RING ASSEMBLY (2)
2	7872	PLUG, Pipe (4)	17	22452	STUD (4)
3	14046	SCREW, Cup Point (2)	18	9016	NUT (4)
4	31698	BODY	19	12031	FITTING, Grease (2)
5	13468	SEAT (2)	20	41236	BUSHING (2)
6	13469	PLUNGER (2)	21	26046M1	ROD, Piston (2)
7	15518	SPRING (2)	22	22940	RING, Wiper (2)
8	13051	PLUG, Adjustment (AR)	23	28213	FLANGE (2)
9	5809	"O" RING (2)	24	28215M1	CYLINDER HEAD (2)
10	41666	CAP (2)	25	28728	PISTON (2)
11	30605M4	CYLINDER, Clam (2)	26	5815	"O" RING (2)
12	26048	TUBE ASSEMBLY (2)	27	24527	PISTON (2)
13	23694M1	RING, Wear (2)	28	9025	NUT (2)
14	25943M1	V-RING ASSEMBLY (2)			DECAL, Cam Opening

ACCESSORIES & ATTACHMENTS



LOADER TO LOGGER KITS
(HYDRAULIC 4-Jn-1)

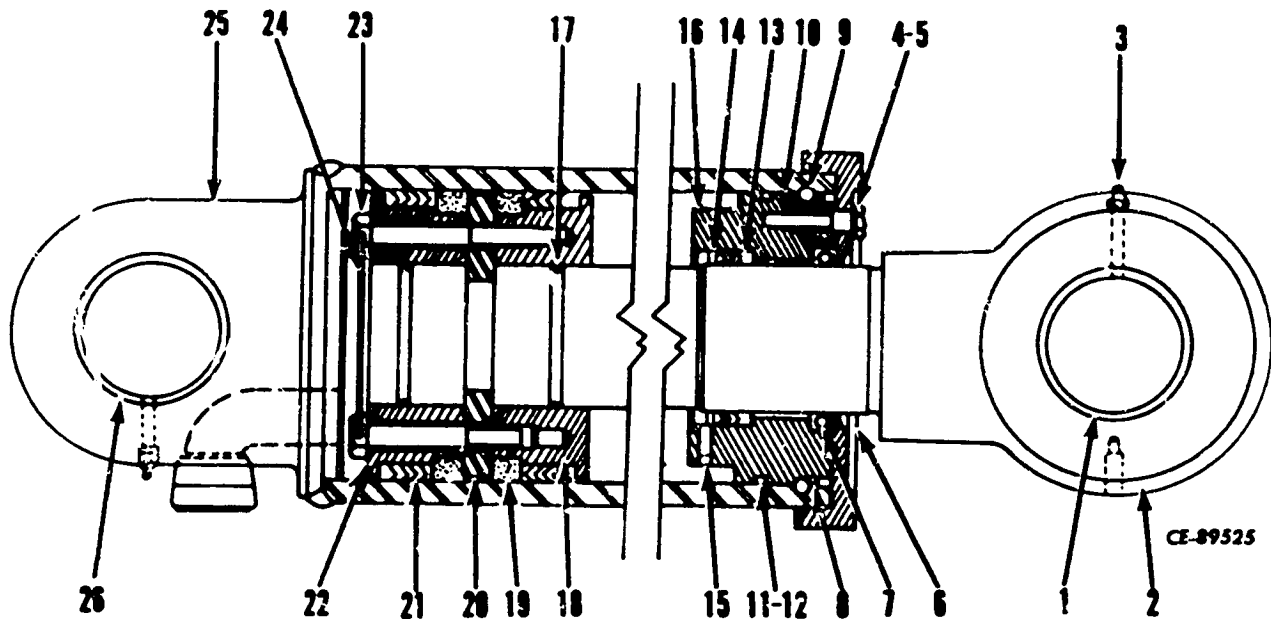
ACCESSORIES & ATTACHMENTS

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LOADER TO LOGGER KITS (HYDRAULIC 4-in-1)					
		For Breakdown of separate kits, (see legend below).	27	133692H1	CLAMP (6)
		HYDRAULIC, 4-in-1 Kit	28	183593H1	PLATE (3)
	205409H1	LOADER TO LOGGER KIT		18422R1	NUT - 3/8 NC (6)
	217059H1	DRAWING, Hydraulic Installation	29	208005H2	TUBE, Boom R.H.
	207982H1	DRAWING, Rear Frame - Rework		102635	NUT - 3/8 NC (6)) "U"
*	215351H1	DRAWING, Valve and Seat Deck		106263	WASHER, Flat - 3/8 (6)) Bolt
*	195647H1	DRAWING, Valve Controls (See Page 14-21)	**30	9410362	PLUG
*	879304C02	BUCKET CYLINDER (See Breakdown) (See Page 14-20)	**31	211041H1	HOSE
	214233H1	HYDRAULIC VALVE & CONTROL GROUP (See Breakdown) (See Page 14-23)	**32	879304C1	TUBE
	208002H1	DRAWING, R. H. - Boom Rework	**33	211040H1	HOSE
	208003H1	DRAWING, L. H. - Boom Rework			LINE - R. H. TUBE TO RELIEF VALVE
	183649H1	STUD, Base (12)			
	208047H1	PLATE (2)	*34	9410206	ADAPTER
	876074C1	"O" RING, Hi-Pressure Inlet	*35	208006H1	TUBE
	876075C1	"O" RING, Low-Pressure Outlet	*36	9410980	ELBOW, 90°
	876072C1	"O" RING, Tube Ports (4)	*37	876109C1	"O" RING
*	876077C1	"O" RING			LINE - L. H. TUBE TO RELIEF VALVE
		LINE - VALVE THRU L. H. BOOM TUBE			
		"O" RING	*38	9410206	ADAPTER
1	876072C1	FLANGE, Split (2)	*39	208007H1	TUBE
2	128542H1	SCREW, Cap - 7/16 NC x 1-1/2 (4)	*40	9410206	ADAPTER
	179862	WASHER, Lock - 7/16 (4)	*41	876109C1	"O" RING
	103322	TUBE, L. H.			LINE - RELIEF VALVE TO MANIFOLD BLOCK
3	208005H1	CLAMP			
4	196876H1	SCREW, Cap - 1/2 NF x 1-1/2			
	181431	NUT - 1/2 NF			
	18452R1	WASHER, Flat - 1/2	*42	876109C1	"O" RING
	106265	"U" BOLT (3)	*43	9410206	ADAPTER
5	153676H1	FLANGE, Split (6)	*44	208008H1	TUBE
6	115706H1	"O" RING (3)	*	109247H1	CLAMP (Drott Indicator Mtg.)
7	876071C1	TUBE			
8	154703H2	PLATE, Clamp	*	179837	SCREW, Cap - 3/8 NC) Relief x 3/4 (2)) Valve to
9	207949H1	HOSE			WASHER, Lock - 3/8 (2)) Seat Deck
10	181549H3	SCREW, Cap - 3/8 NC x 1-1/4 (12)	*	103321	
	179481	WASHER, Lock - 3/8 (12)			
	103321	CLAMP (6)	*	217842H1	PLUG, Tube (3))
11	183692H1	PLATE (3)	*	166897H1	NUT (2)) To be sent with
12	183693H1	NUT - 3/8 NC (6)	*	9410206	ADAPTER (2)) each 4-in-1
	18423R1	TUBE, Boom L. H.	*	876109C1	"O" RING (3)) field kit
13	208010H2	"O" RING	*	9410980	ADAPTER)
14	876109C1	PLUG	**	215349H1	COUNTERWEIGHT
*15	9410362				
	102635	NUT - 3/8 NC (6)) "U"			
	106263	WASHER, Flat - 3/8 (6)) Bolt		271635	SCREW, Cap - 3/4 NF) x 2-1/4 (8)) Counter-
		LINE - VALVE THRU R. H. BOOM TUBE		106268	WASHER, Flat - 3/4 (8)) weight
				103326	WASHER, Lock - 3/4 (8)) Mounting
				218197	NUT - 3/4 NF (8))
16	876072C1	"O" RING	**	158228H1	BALLAST KIT (7800 lbs.)
17	128542H1	FLANGE, Split (2)			
	179862	SCREW, Cap - 7/16 NC x 1-1/2 (4)			
	103322	WASHER, Lock - 7/16 (4)			
18	208004H1	TUBE, R. H.			
19	876109C1	"O" RING			
20	196876H1	CLAMP			
	181431	SCREW, Cap - 1/2 NF x 1-1/2			
	18452R1	NUT - 1/2 NF			
	106265	WASHER, Flat - 1/2			
31	153676H1	"U" BOLT (3)			
22	115706H1	FLANGE, Split (6)			
23	876071C1	"O" RING (3)			
24	154703H2	TUBE			
25	207949H1	PLATE, Clamp			
26	181549H3	HOSE			
	179481	SCREW, Cap - 3/8 NC x 1-1/4 (12)			
	103321	WASHER, Lock - 3/8 (12)			

No asterisk - Common to both kits.
 * - Hydraulic 4-in-1 kit only.
 ** - Loader to Logger kit only.

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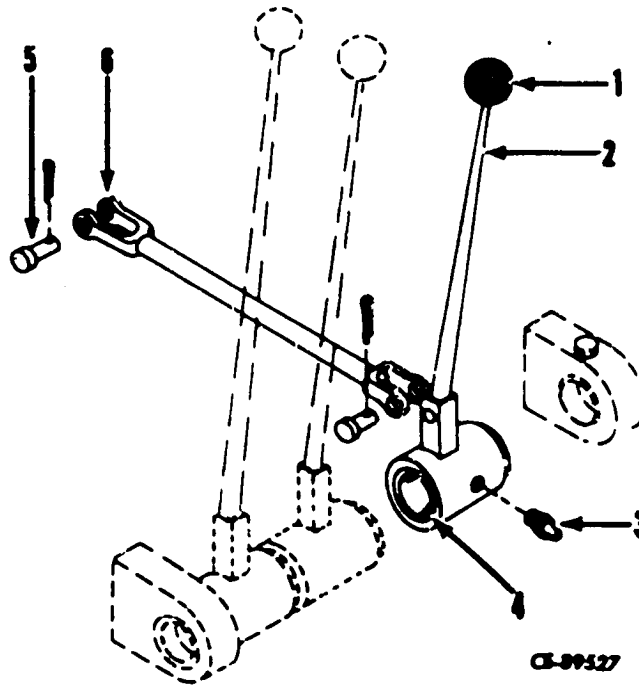


CYLINDER - LOADFR TO LOGGER KIT

	879302C92	CYLINDER		16	378188C1	RING, Retaining
1	879701C11	ROD, Piston		17	2109071	O RING (2)
2	190256H1	BUSHING		18	878198C1	PISTON, Half
3	109461	FITTING, Grease (2)		19	878198C1	BUSHING (2)
4	179885	SCREW, Cap - 1/2 NC) Cap x 1-1/2 (c)) to		20	175915C1	RING, Lock (2)
5	118975	WASHER, Lock (6)) Cylinder		21	878071C1	PACKING, Piston (2)
6	878192C1	CAP		22	878197C1	PISTON, Half
7	878187C91	SEAL		23	875934C1	SCREW, Cap - 5/8 NC x 4-1/4 (8)
8	878388C1	RING, Cord		24	881094C1	WIRE, Lock
9	153274H1	RING, Lock (3)		25	879312C1	CYLINDER
10	878193C21	GLAND		26	175907H1	BUSHING
11	175931H1	WASHER, Back-up		27	878954C1	WASHER (4)
12	292313B1	O RING			175920H1	PINLOCK
13	878191C1	PACKING, Rod			271627	SCREW, Cap - 3/4 NF x 1-1/8
14	878189C1	BUSHING			106268	WASHER, Flat - 3/4
15	878190C1	PIN			103326	WASHER, Lock - 3/4
					191417H1	RING, Cord (2)

ACCESSORIES & ATTACHMENTS

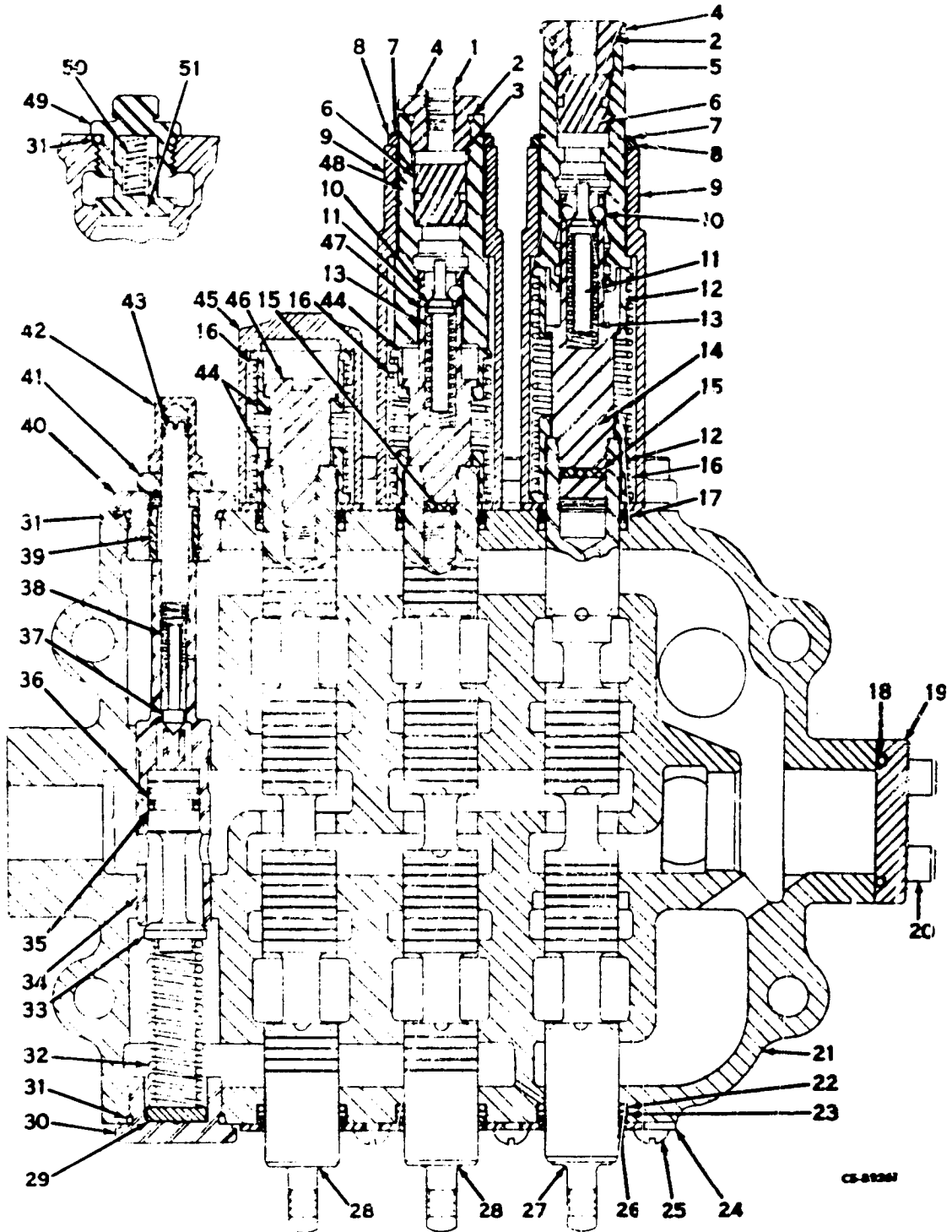
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
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VALVE CONTROL LINKAGE - LOGGER & 4-in-1

1	HL-3343	KNOB	4	144243H1	BUSHING (2)
2	197169H1	LEVER	5	197160H1	ROD, Link
3	109454	FITTING, Grease	6	114787	PIN, W/Cotter

ACCESSORIES & ATTACHMENTS



THREE SPOOL VALVE KIT
(LOGGER & 4-IN-1)

ACCESSORIES & ATTACHMENTS

REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION
THREE SPOOL VALVE KIT (LOGGER to 4-1a-1)					
	214233H1	VALVE, Three Spool (Husco #3953-8)	38	156806H1	SPRING, Pilot
1	444691	PLUG, Pipe	39	156803H1	NUT, Adjusting
2	366269R1	"O" RING (2)	40	156802H1	PLUG, Pilot
3	192699H1	SPACER	41	156807H1	NUT
4	192686H1	PLUG (2)	42	156808H1	NUT, Castle
5	214492H1	SLEEVE	43	156804H1	SCREW, Adjusting
6	205565H1	PISTON (2)	44	192688H1	SEAT, Spring (4)
7	214494H1	RING, Retaining (2)	45	208088H1	CAP, Plunger
8	214495H1	SPACER (2)	46	208089H1	SCREW, Cap
9	214490H1	CAP, Plunger (2)	47	192691H1	PIN, Plunger
10	16912F1	BALL (8)	48	214493H1	SLEEVE
11	214491H1	CAM, Detent (2)	49	176440H1	PLUG (4)
12	165794H1	SEAT, Spring (2)	50	156813H1	SPRING (4)
13	192693H1	SPRING (2)	51	156814H1	POPPET (4)
14	192697H1	PIN, Plunger			
15	214496H1	INSERT (2)			
16	192689H1	SPRING (3)			
17	213208H1	RING, Retaining (3)			
18	310936R1	"O" RING			
19	176197H1	CAP			
20	156815H1	SCREW, Cap (10)			
21	NSS	HOUSING			
22	212955H1	"O" RING (6)			
23	213207H1	RING, Scraper (3)			
24	156821H1	PLATE, Seal (6)			
25	156822H1	SCREW, Plate (6)			
26	213206H1	RING, Scraper (3)			
27	NSS	PLUNGER, Float			
28	NSS	PLUNGER, Double Acting (2)			
29	208090H1	SPACER			
30	156801H1	PLUG			
31	301016R1	"O" RING (6)			
32	156805H1	SPRING			
33	156810H1	POPPET			
34	156811H1	SLEEVE			
35	313579R1	"O" RING			
36	156825H1	RING, Back-up			
37	156809H1	POPPET, Pilot			

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		44 576	13 - 11	610 293 C91	1 - 17	876 011 C1	11 - 8	
		44 588	13 - 11	510 299 C1	1 - 17	876 011 C1	11 - 8A	
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615 031 R1	2 - 22						
615 031 R1	2 - 23						
615 031 R1	2 - 24						

NOTE: This list is prepared to assist distributor parts personnel in keeping their inventory records current.

The information on this sheet will not be covered in future revisions, so you may want to retain this copy. Future revisions will include new and displaced parts information for that revision only.

New and displaced parts listed below are new and displaced parts for applications shown on pages listed for this machine, not necessarily new and displaced for other applications for this machine or in the IH system.

The following is a list of new and displaced parts for the Model H-100B Payloader Parts Catalog. Form PM-H-100B-2 released since PM-H-100B-2 dated April, 1968.

PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER	PAGE No.	NEW PART NUMBER	DISPLACED PART NUMBER
1-5	306 970 R1	201 293 H1	6-9	615 134 C1	876 631 C1
1-7	196 045 H1	--	6-9	615 132 C1	876 301 C1
1-9	#886 064 C91	--	6-11	615 132 C1	876 301 C1
1-9	#891 525 C91	--	6-9	201 702 H1	208 014 H2
1-10	884 894 C1	--	6-11	877 383 C91	--
1-13	882 224 C1	--	9-3	894 389 C1	165 126 H1
1-17	#885 260 C91	--	9-3	894 389 C1	164 263 H1
2-4A	#879 192 C91	--	9-4	281 P00 C92	158 395 H1
2-4A	#879 407 C91	--	9-4	475 988 R1	--
2-4D	#8 004 119 R91	--	9-5	16 008 R1	--
2-4D	#8 004 120 R91	--	10-7	885 245 C1	--
2-4D	#8 004 121 R91	--	10-8	885 244 C1	--
2-9	309 237 R91	--	10-14	879 259 C1	--
2-9	309 233 R1	--	10-14	9 402 706	--
2-11	886 487 C1	--	11-3	#879 773 C94	194 916 H5
2-12	885 445 C1	--	11-5	877 811 C1	--
2-12	210 044 H1	--	11-5	877 825 C1	--
2-14	116 493 H1	--	11-5	882 216 C1	17 234 R1
2-15	199 626 H1	186 536 H1	11-5	877 826 C3	176 028 H2
2-15	116 493 H1	--	11-5	877 824 C1	--
2-19	116 493 H1	--	11-5	883 553 C1	18 452 R1
2-21	116 493 H1	--	11-5	#882 845 C91	194 401 H1
2-16	475 988 R1	--	11-6	894 812 C91	201 186 H1
2-16	167 957 H1	--	11-6	894 592 C1	--
2-16	9 410 256	--	11-7	174 287 H1	--
3-3	19 263 R1	18 453 R1	11-8A	#883 075 C94	--
3-3	606 608 C91	156 273 H1	11-8B	#883 409 C93	--
3-3	889 614 C1	*210 859 H1	12-9	215 233 H1	--
3-3	889 615 C1	--	12-9	101 981 H1	136 372 H1
3-3	210 877 H1	--	12-13	101 981 H1	136 372 H1
4-3	#888 593 C91	--	12-9	163 548 H1	HL 1685
4-4	875 481 C1	--	12-13	163 548 H1	HL-685
4-4	340 045 R1	--	12-10	886 433 C1	--
4-5	878 110 C2	--	12-10	113 868 H1	--
4-6	117 613 H1	--	14-5	104 039	--
4-13	#892 436 C91	207 592 H1	14-5	113 027 H1	--
6-4	885 629 C1	219 610 H1	14-5	886 005 C2	--
6-7	136 275 H1	--	14-5	#885 805 C21	--

* - For ordering procedure for displaced part shown, refer to this catalog.

- Detail parts for this assembly or attachment are all new and are listed on the page shown in this revision.

NEW AND DISPLACED PARTS LIST

The following is a list of new and displaced parts for the Model H-100B Payloader Parts Catalog.
 Form PM-H-100B-2 released since PM-H-100B-2 dated April, 1968.

PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER	PAGE NO.	NEW PART NUMBER	DISPLACED PART NUMBER
14-11	885 042 C91	209 749 H1			
14-11	885 044 C91	195 126 H1			
14-11	196 349 H1	--			

* - For ordering procedure for displaced part shown, refer to this catalog.

0 - Detail parts for this assembly or attachment are all new and are listed on the page shown in this revision.