DIRECTORY TO

MODEL S-11A

PARTS MANUAL

THIS MANUAL IS USED SPECIFICALLY

FOR THE FOLLOWING SERIES OF

MODEL S-11A PAY® LOGGER

A SERIAL NUMBER CONSISTS OF FOUR PARTS WHICH IDENTIFY IT:

SERIAL NUMBER SYSTEM

ENGINE MODEL	KIND	POWER CODE	COUNTRY OF ORIGIN	UNIT NO.
	396	101	U. S. A.	05001
	396	101	Canada	05001
	396	102	U. S. A.	05201
	396	102	Canada	05201

MODEL	ENGINE STARTING SERIAL NUMBER
DT407	407HH21023577

(Normally, unit number only supplied in text; Country of Origin symbol also shown when necessary.)

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 following the description of the parts. When parts shown without a quantity, it should be understood to mean only (1) is required.

The blade 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 blade.

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.

TC-146

REVISION NO. 4

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S-11A

PAY® LOGGER

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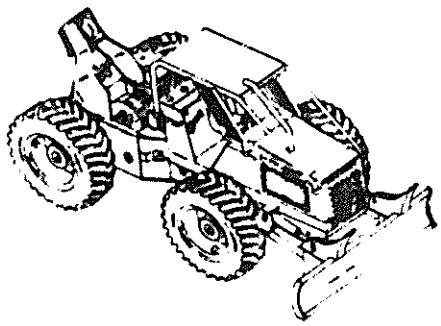
INTRODUCTION



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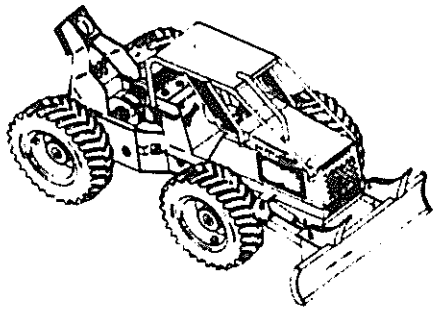

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MISCELLANEOUS

REF. NO.	PART NUMBER	DESCRIPTION
		DECALS
	893812C92	KIT, decals (Consists of the following-
		1 STARTER DECAL
		1 OIL HYDRAULIC DECAL
		1 WATER DECAL
		1 RESERVOIR INSTRUCTION DECAL
		2 INTERNATIONAL DECAL
		2 STEP WARNING DECAL
		1 FUEL TANK DECAL
		1 PAYLOGGER
		2 MODEL DECAL
		1 TRANSMISSION FLUID TYPE "A" DECAL
		1 CAUTION BEFORE SHUTDOWN DECAL
		1 ENGINE OIL DRAIN DECAL
		1 TRANSMISSION SHIFT 1-2-3 DECAL
		1 TRANSMISSION SHIFT F & R DECAL
		3 I. H. DECAL)
		NAME & INSTRUCTION PLATES
	887515C1	PLATE, serial number
	215112H1	WASHER (4)
	9404475	SCREW, self tapping (4)
	875839C1	PLATE, ignition switch
		SCREW, self tapping (2)
	928420C1	PLATE, serial number (ROPS)
	929964C1	RIVET, drive (2)
		QUICK REFERENCE FOR FILTER ELEMENTS & BELTS
	876941C91	ELEMENT & SEAL RING KIT for 207252H1 Filter
	884879C1	ELEMENT & SEAL RING KIT for 883156C91 Filter
	888347C1	ELEMENT for Hydraulic Reservoir
	702142C1	ELEMENT for Final Fuel Filter - Short Type
	702253C1	ELEMENT for Final Fuel Filter - Long Type
	702143C1	ELEMENT for Primary Fuel Filter - Short Type
	702252C1	ELEMENT for Primary Fuel Filter - Long Type
	702256C1	ELEMENT for Primary Fuel Water Separator
	323827R91	ELEMENT & SEAL RING KIT for Lubricating Oil Filter
	881034C1	ELEMENT for Air Cleaner
	330397R2	ELEMENT, Breather for Cylinder Head
	670711C1	BELT for Fan & Alternator (2)

REF. NO.	PART NUMBER	DESCRIPTION
		SERVICE KITS
	142895H1	GASKET KIT, Transmission
	136636H1	MASTER CYLINDER REPAIR KIT
	142897H2	"O" RING KIT, Transmission
	881678C91	OIL SEAL KIT, Transmission & Valve
	882211C1	SHOE & LINING KIT, Hydraulic Caliper Brake (2)
	883147C91	SHOE & LINING KIT, Parking Caliper Brake (2)

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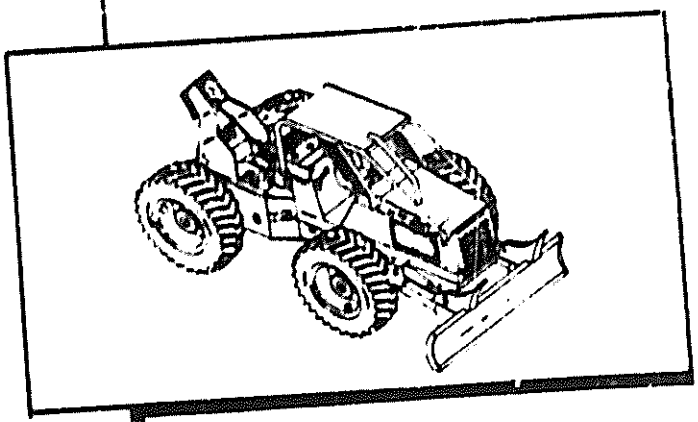
SECTION 3

AIR SYSTEM



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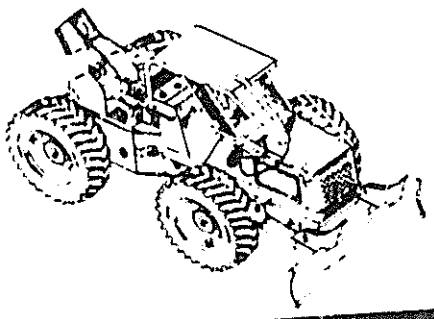

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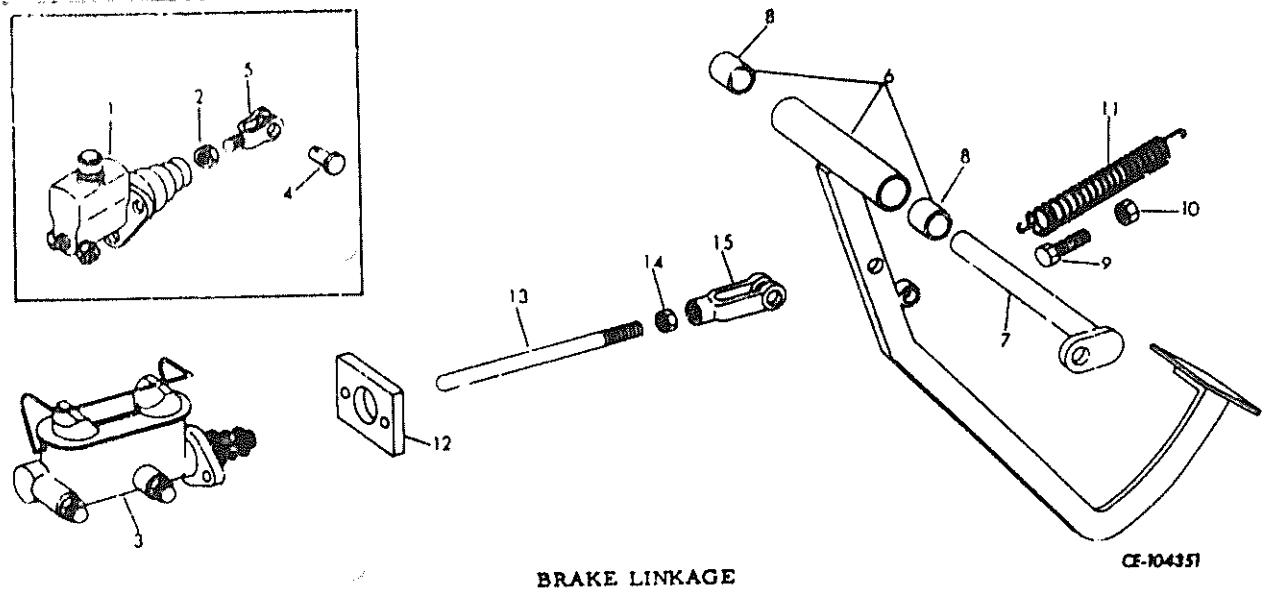
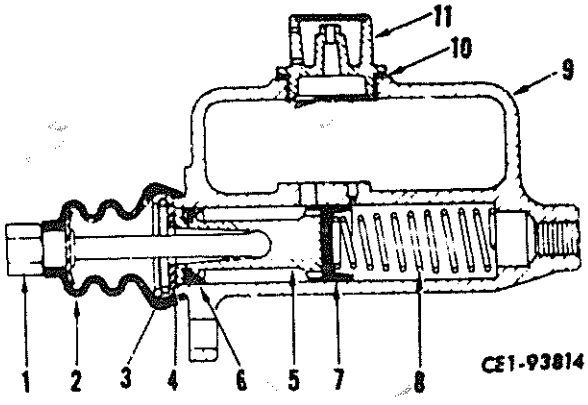
BRAKES & CONTROLS



BRAKE LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION
1		CYLINDER, Master (Refer to Master Cylinder in this section) (S/N 05079 & below)
2	114494	NUT, Jam
3		CYLINDER, Master (Refer to Master Cylinder in this section) (S/N 05080 & up)
4	114737	PIN, Yoke
5	110603H1	CLEVIS, Rod End (S/N 05079 & below)
6	894010C91	LEVER w/two BUSHING, 144243H1
7	894008C1	PIN
	24839R1	BOLT, 3/8NC x 3/4 hex-hd
	103321	WASHER, Lock (2)
	25553R1	WASHER, Flat
8	144243H1	BUSHING (2)
9	181370	BOLT
10	114494	NUT
11	882494C1	SPRING
12	927432C1	SPACER (S/N 05080 & up)
13	926160C1	ROD, Push (S/N 05080 & up)
14	114494	NUT, 3/8 (S/N 05080 & up)
15	926159C1	YOKE (S/N 05080 & up)



MASTER CYLINDER
05079 & below

	894020C91	CYLINDER, Master (Includes Items 2 thru 11)
	445684	PLUG, Pipe - 1/8
	181371	SCREW, Cap - 3/8 NF x 1-3/8 (3)
	103321	WASHER, Lock - 3/8 (3)
	103026	NUT, 3/8 NF (3)
1	423215R1	ROD, Push
2	52600H	BOOT
3	52602H	WIRE, Lock
4	52603H	PLATE, Piston Stop
5	178774H1	PISTON ASSEMBLY (Includes Item 6)
6	178775H1	CUP, Secondary
7	178773H1	CUP, Primary
8	178772H1	SPRING
9		HOUSING (Order 894020C91)
10	52045HA	GASKET, Filler Cap
11	230846R91	CAP, Filler
	64837R91	KIT, Repair (Includes Items 2, 3, 5, and 7)

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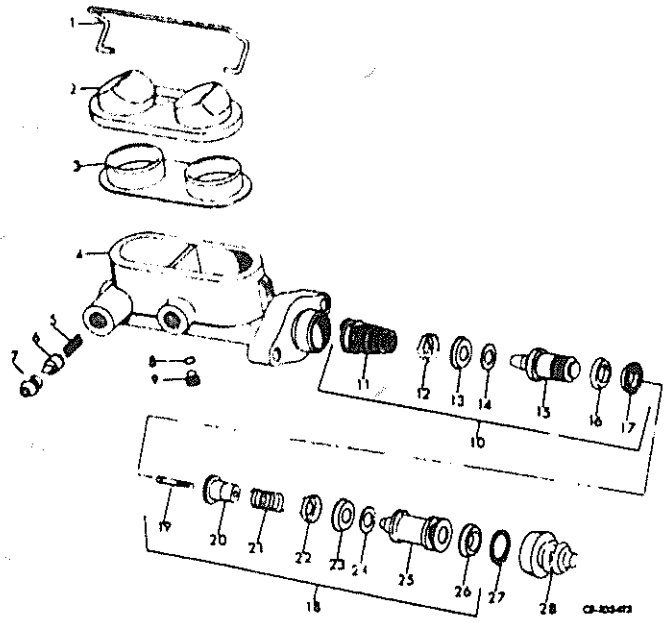
BRAKES & CONTROLS

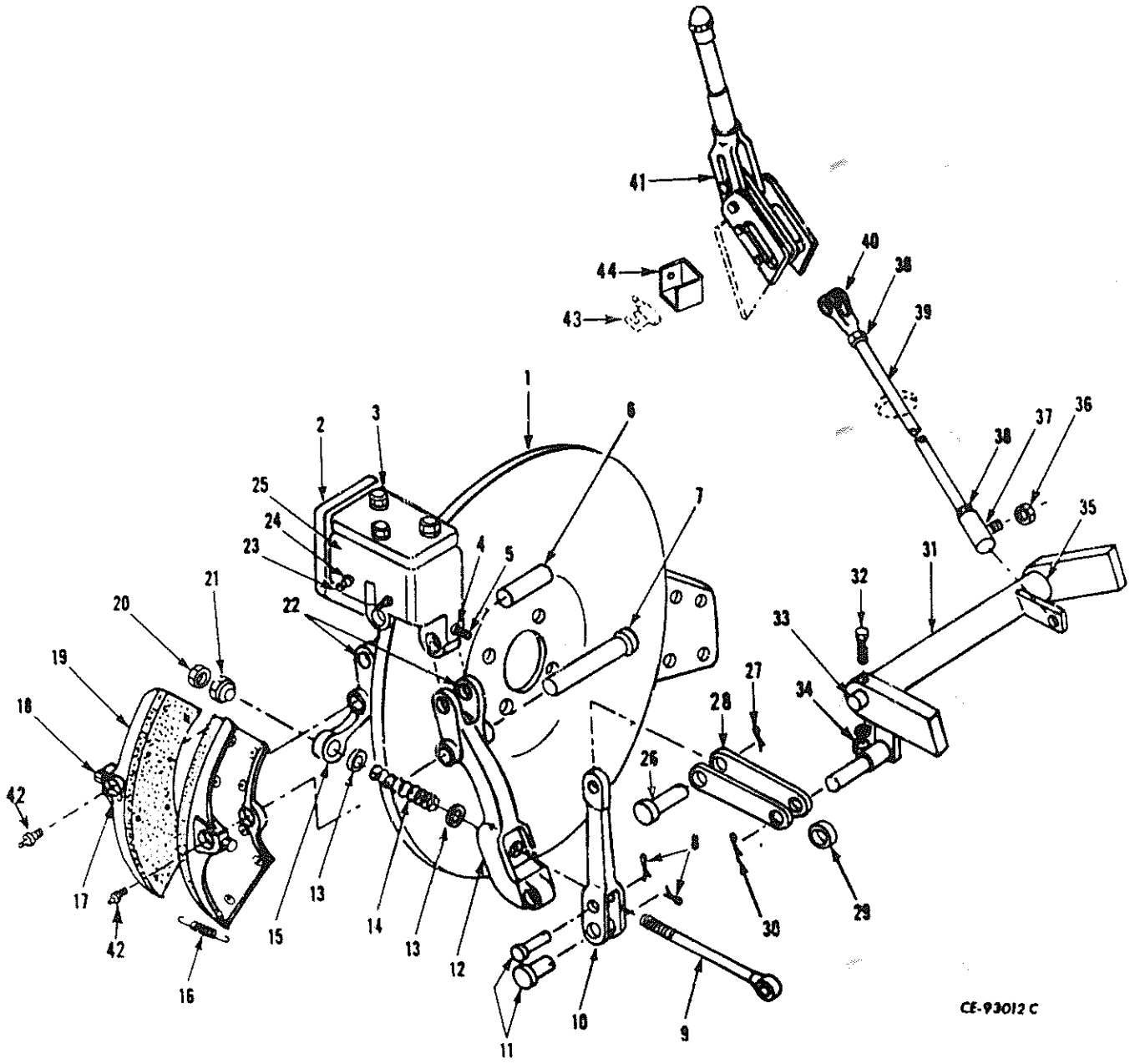


MASTER CYLINDER
05080 & up

	924 669 C91	CYLINDER, master
	445 684	PLUG, 1/8" pipe
	181 381	BOLT, 3/8"NF x 2-1/2" (2)
	103 321	WASHER, 3/8" lock (2)
	114 494	NUT, 3/8"NF (2)
		(Consists of the following parts -
1	389 800 C1	WIRE, bail
2	356 020 C1	COVER, reservoir
3	356 019 C1	GASKET, diaphragm
4		BODY (Not furnished separately)
5	308 599 C1	SPRING, residual valve (2)
6	927 668 C1	VALVE, residual (2)
7	927 669 C1	SEAT, tube (2)
8	927 755 C1	SEAL
9	356 016 C1	BOLT, stop
10	927 665 C91	PISTON ASSEMBLY, secondary
11	390 992 C1	SPRING
12	389 794 C1	RETAINER, cup
13	927 667 C1	CUP, pumping
14	927 666 C1	PROTECTOR, cup
15		PISTON (Not furnished separately)
16	927 664 C1	CUP, pressure
17	927 664 C1	CUP, pressure
18	927 663 C91	PISTON ASSEMBLY, primary
19		SCREW, self tapping (Not furnished separately)
20		RETAINER, spring (Not furnished separately)
21		SPRING (Not furnished separately)
22		RETAINER, cup (Not furnished separately)
23		CUP, pumping (Not furnished separately)
24		PROTECTOR, cup (Not furnished separately)
25		PISTON (Not furnished separately)
26	927 664 C1	CUP, pressure
27	383 878 R1	RING, snap
28	389 798 C1	BOOT
	927 670 C91	KIT, master cylinder repair
		(Consists of
	1 ASSEMBLY	927 663 C91
	1 ASSEMBLY	927 665 C91
	1 BOLT	356 016 C1
	§1 BOLT	
	1 BOOT	389 798 C1
	1 GASKET	356 019 C1
	§2 SCREW	
	1 SEAL	927 755 C1
	§1 SEAL	
	2 SEAT	927 669 C1
	2 SPRING	308 599 C1
	1 RING	383 878 R1
	§1 RING	
	2 VALVE	927 668 C1)

BRAKES & CONTROLS

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



PARKING BRAKE & LINKAGE

1		DISC, Brake (Refer to Transmission)	7	46524H	PIN, Brake Shoe (2)
2		SUPPORT, Caliper Mounting (Refer to Transmission)	8	108630	PIN, Cotter (2)
3	179887	SCREW, Cap - 1/2 NC x 1-3/4 (3)	9	883149C1	ROD, Brake Arm
	882533C91	BRAKE, Caliper Assembly (Includes Items 4 thru 25)	10	883150C1	LEVER
4	102634	NUT - 5/16 NC (2)	11	137799H	PIN, Clevis (2)
5	46458H	SCREW, Lock (2)	12	883151C1	ARM, Brake Lever Rear (Includes 2 of Item 22)
6	46502H	PIN, Brake Anchor (2)	13	103345	WASHER - 5/8 (2)
			14	46525H	SPRING, Brake Release
			15	883146C1	ARM, Brake Lever Front (Includes 2 of Item 22)

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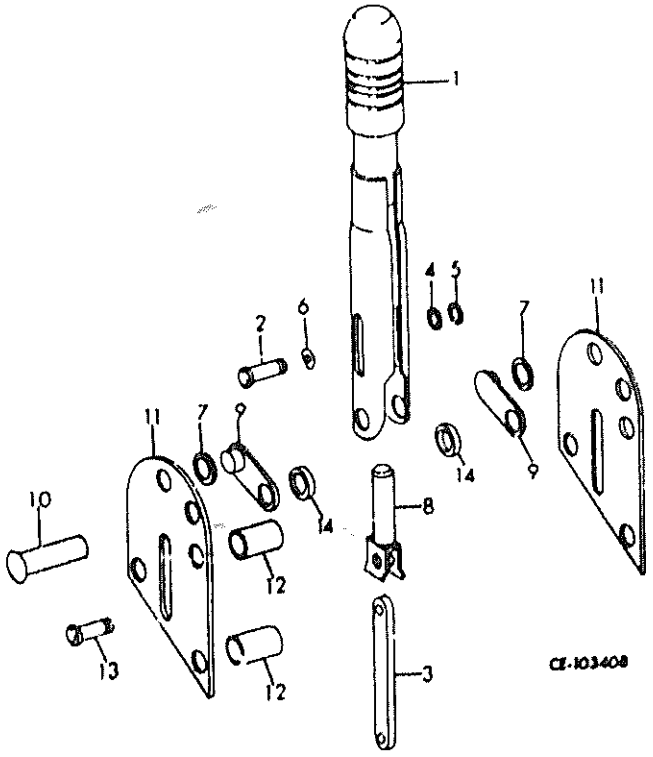
BRAKES & CONTROLS

REF. NO.	PART NUMBER	DESCRIPTION
		PARKING BRAKE & LINKAGE - Continued
16	32442H	SPRING
17	883148C1	RETAINER, Brake Shoe Pin (2)
18	179814 116120	SCREW, Cap - 5/16 NC x 5/8 (2) WASHER, Lock (2)
19	883147C91	BRAKE SHOE & LINING ASSEMBLY (Includes next 3 items) (2)
	46572HA 261821H 23100R1	SHOE, Brake LINING, Brake (2) RIVET (8)
20	122306	NUT - 1/2 NF
21	46525H	NUT, Special
22	52112H	BUSHING (4)
23	46576H	SCREW, Brake Adjusting (2)
24	46929H	NUT, Special (2)
25	46533H	BRACKET, Brake Anchor
26	114787	PIN, Yoke
27	108630	PIN, Cotter
28	834434R1	BAR, Link (2)
29	221141HI	SPACER
30	108630	PIN, Cotter
31	882532C11	LEVER, Bellcrank
	144243HI	BUSHING (2)
32	181349	SCREW, Cap - 5/16 NF x 2-1/2
33	882530C1	ROD, Bellcrank
34	19503R1	NUT - 5/16 NF
35	259250R1	"O" RING (2)
36	19503R1	NUT - 5/16 NF
37	158396HI	BALL JOINT
38	114493	NUT, Jam - 5/16 NF (2)
39	880632C1	ROD
40	104037	YOKE
41		PARKING BRAKE LEVER (Refer to Parking Brake Lever)
	181347	BOLT, 5/16" dia. hex-hd
	181379	BOLT, 3/8" dia. hex-hd
	138485	WASHER, 5/16 lock (2)
	61503IR1	WASHER, 3/8 flat (2)
	19503R1	NUT, 5/16 NF hex
	17234R1	NUT, 3/8 NF hex
42	16884R1	FITTING, Grease (On Caliper) (2)
43		SWITCH, Parking Brake (Refer to Wiring - Back Lighted Gauges w/Parking Brake Warning Light)
44	029700C1	SHIELD, Switch

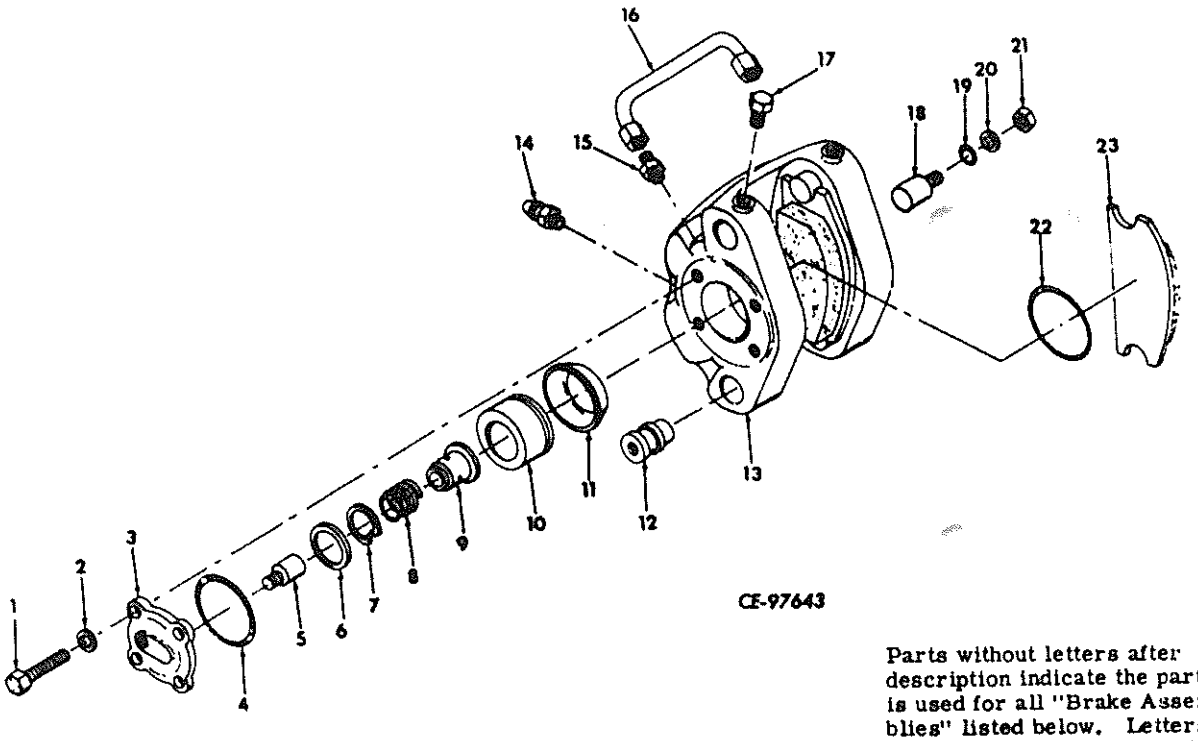
REF. NO.	PART NUMBER	DESCRIPTION



PARKING BRAKE LEVER

	115 086 H1	PARKING BRAKE LEVER ASSY. (Consists of items 1 thru 14)
1	927 801 C1	LEVER, Handle
2	150 742 H1	PIN
3	104 938 R1	LINK
4	103 340	WASHER, 5/16" flat (2)
5	392 320 R1	RING, Retaining
6	158 404 H1	WASHER
7	927 333 C1	WASHER, 3/8, flat (2)
8	160 927 H1	TUBE, adjusting
9		BRACKET, Pivot (Not furnished separately)
10		RIVET (Not furnished separately)
11		BRACKET, Mounting (Not furnished separately)
12	134 704 H1	SPACER (2)
13	104 497 R1 103 373	PIN PIN, Cotter
14	104 936 R1	SPACER (2)

BRAKES & CONTROLS



CE-97643

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

CALIPER BRAKE (HYDRAULIC)

REF. NO.	PART NUMBER	DESCRIPTION
A	893071C91	BRAKE ASSEMBLY FRONT (Order Brake Assembly 932478C91)
B	894316C91	BRAKE ASSEMBLY REAR (Order Brake Assembly 932478C91)
C	932478C91	BRAKE ASSEMBLY (2)
	179890	BOLT, 1/2 x 2-1/4 NC (8)
	889211C1	WASHER (8)
	891164C1	BAR (Front only)
	894313C1	BAR (Rear only)
	880476C1	SHIM (.059) (x)
	880477C1	SHIM (.030) (x)
	880478C1	SHIM (.010) (x)
	880479C1	SHIM (.005) (x)
1	179841	BOLT (Brake A & B) (4)
1	140843H	BOLT (Brake C) (4)
2	896176C1	WASHER (Heat treated) (4)
3	895979C1	CAP
4		RING, Packing (Not furnished separately)
5	895980C1	GUIDE, Adjustment
6		PACKING (Not furnished separately) (2)
7	376219R1	RING, Retaining (2)
7	631449R1	RING, Retaining (Brake C) (2)
8	895985C1	SPRING (Brake A & B) (2)
8	891037C1	SPRING (Brake C) (2)
9	895986C1	SLEEVE, Adjustment (2)
10	895987C1	PISTON (2)
11		BOOT (Not furnished separately) (2)
12	895976C1	PIN (4)
13	895990C1	HOUSING
14	102384H1	VALVE, Bleeder (Brake A & B) (4)
14	926981C1	VALVE, Bleeder (Brake C) (4)

(x) - As required

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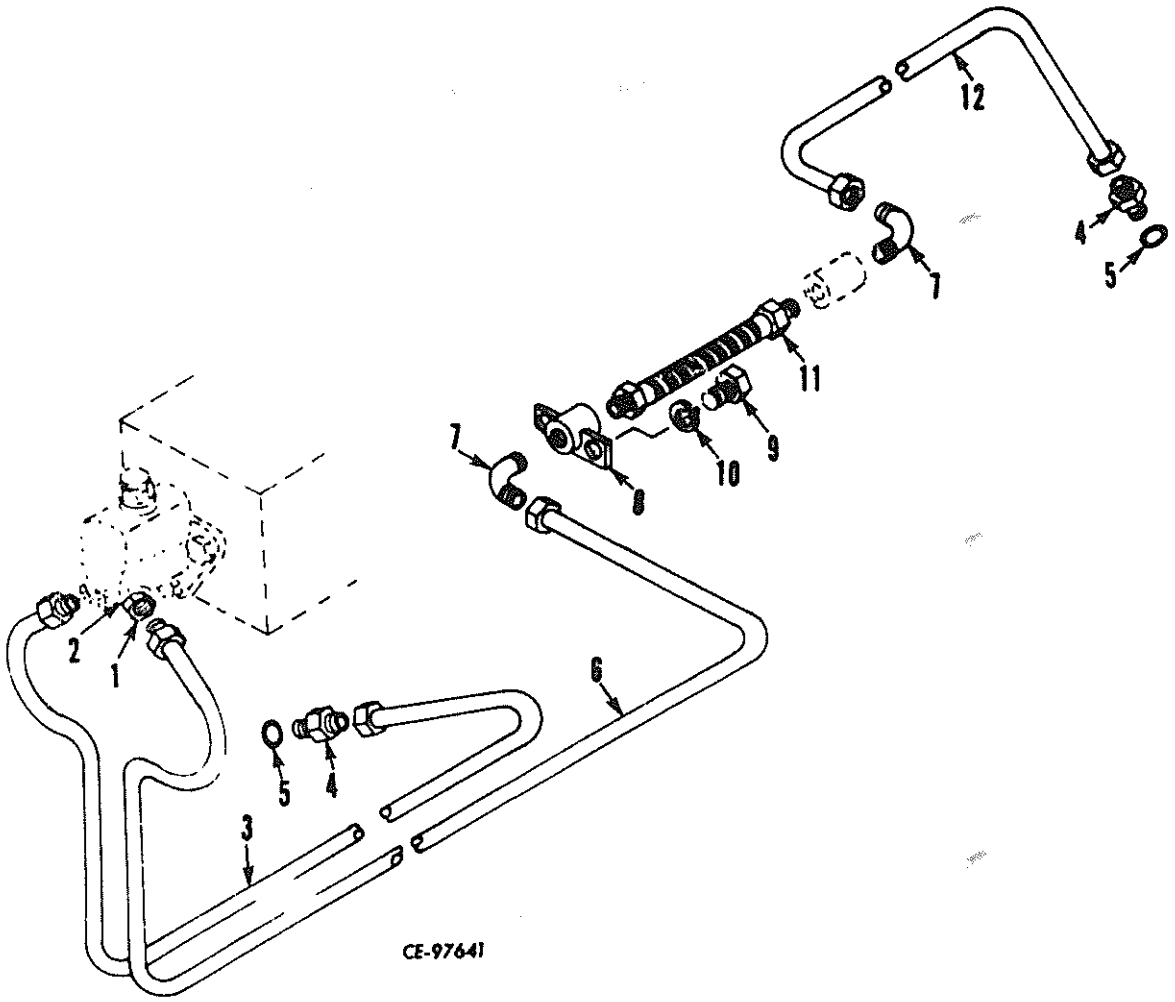
REF. NO.	PART NUMBER	DESCRIPTION
		CALIPER BRAKE (HYDRAULIC) - Continued
15	895978C1	CONNECTOR (Brake A & B) (2)
16	895974C1	TUBE & NUT ASSEMBLY (Brake A & B)
17	895975C1	BOLT (4)
18	895982C1	GUIDE, Adjustment
19	895984C1	WASHER (Brake A & B) (2)
19	891036C1	WASHER (Brake C) (2)
20	103341	WASHER (Brake A & B)
20	896176C1	WASHER (Brake C)
21	103026	NUT
22		PACKING (Not furnished separately)
23	895977C1	CARRIER & LINING ASSEMBLY
	920829C1	KIT, Packing (Consists of two BOLT, two RING and three PACKING) (Brake A & B)
	932625C1	KIT, Packing (Consists of two BOLT, two RING, and three PACKING) (Brake C)

REF. NO.	PART NUMBER	DESCRIPTION



HYDRAULIC BRAKE LINES

REF. NO.	PART NUMBER	DESCRIPTION
1	86454R1	FITTING (2)
2	HL-3753	GASKET (2)
3	894531C1	TUBE (Master cyl. to front caliper) 05079 & below
3	926285C1	TUBE (Master cyl. to front caliper) 05080 & up
4	9410200	FITTING (2)
5	895644C1	"O" RING (2)
6	894532C1	TUBE (Master cyl. to hose) 05079 & below
6	926284C1	TUBE (Master cyl. to hose) 05080 & up
7	346737R1	ELBOW, 90° (2)
8	894474C1	SUPPORT
9	181374	BOLT, 3/8 NF x 1-1/2
10	110730	WASHER, Lock - 3/8
11	894463C1	HOSE
12	894533C1	TUBE (Hose to rear caliper)
13	120521	CLAMP (7)
14	138844H1	SPACER (5)
	103319	WASHER, Lock - 1/4 (5)
	109084	NUT, 1/4 NC (5)
15	105907H1	CLAMP
16	179805H1	CLAMP

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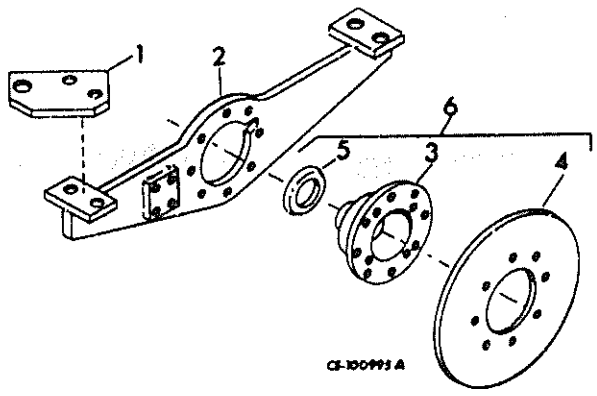
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION

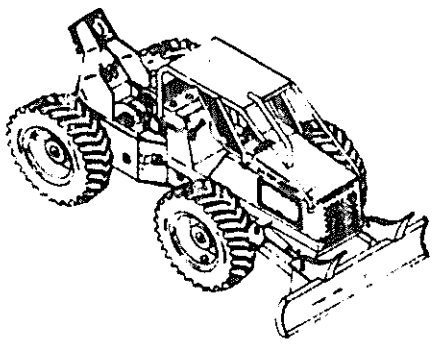


REAR AXLE BRAKE MOUNTING & RELATED PARTS

1	921381C1	BAR (2)	4	922110C1	DISC, Brake
	223740	BOLTS (4)		922108C1	BOLT, 7/16 x 1-1/8 NF (8)
	18453R1	NUTS (4)		19500R1	NUT, 7/16 NF (8)
2	921383C1	SUPPORT (1)	5	887868C1	SLINGER
3	922111C1	FLANGE (Rear Axle Only)	6	925414C91	FLANGE ASSEMBLY

SECTION 5

MISCELLANEOUS CONTROLS



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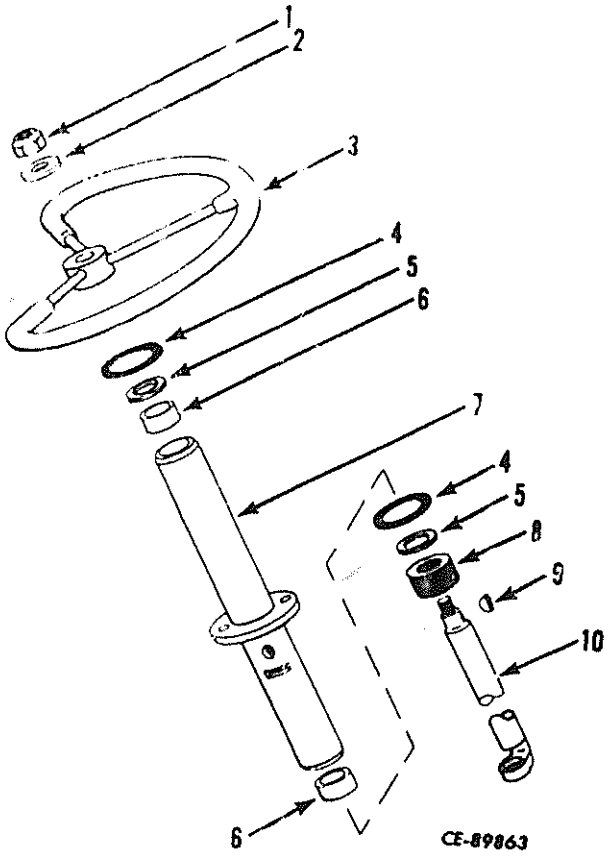

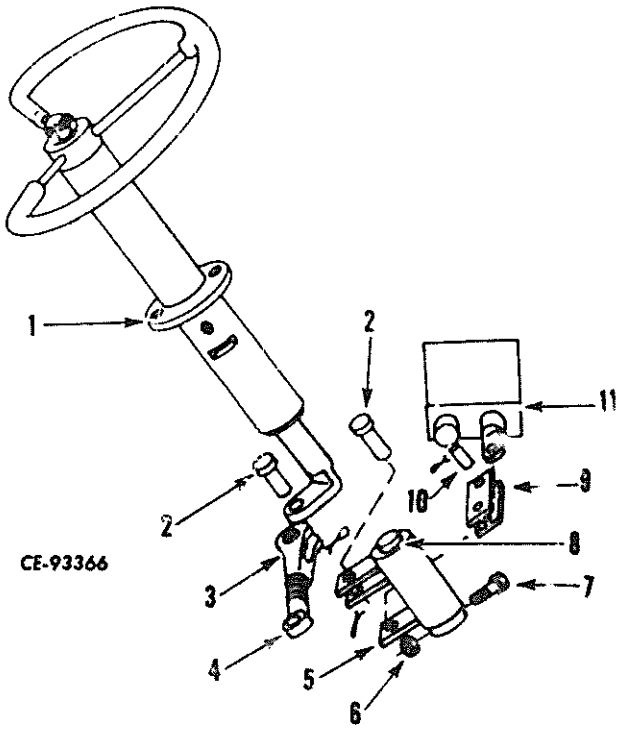

STEERING POST

REF. NO.	PART NUMBER	DESCRIPTION
1	19263R1	NUT, 5/8 NF
2	106767	WASHER, Flat - 5/8
3	205496H1	WHEEL, Steering
	102581	SCREW, Set
4	22288R1	"O" RING (2)
5	205492H1	WASHER, Thrust (2)
6	144243H1	BUSHING (2)
7	888329C91	COLUMN
	181365	SCREW, Cap - 3/8 NF x 1-3/8 (2)
	17234R1	NUT, 3/8 NF (2)
	138253	SCREW, 3/8 NF x 3/4 Socket Head (Shaft Stop)
	445064	PLUG, 1/8 (Grease Plug)
8	215234H1	SLEEVE
	279027R91	CLAMP (2)
9	10675!	KEY, Woodruff
10	888335C1	SHAFT

STEERING LINKAGE

REF. NO.	PART NUMBER	DESCRIPTION
1		COLUMN, Steering
2	138086	PIN (2)
	108630	PIN, Cotter (2)
3	104039	YOKE
4	888334C1	BOLT, Eye
5	889059C1	ARM (Includes next item)
	144243H1	BUSHING (2)
6	20090R1	NUT, 1/4 NF
7	181324	SCREW, Cap - 1/4 NF x 2-1/4
8	889064C1	PIN
9	889065C1	BAR (2)
10	121741	PIN (2)
	103372	PIN, Cotter (2)
11		VALVE, Steering (Refer to Steering Valve)

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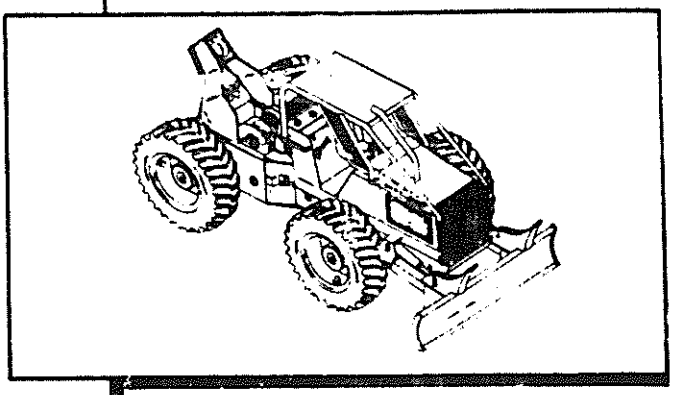
SECTION 6

COOLING SYSTEM



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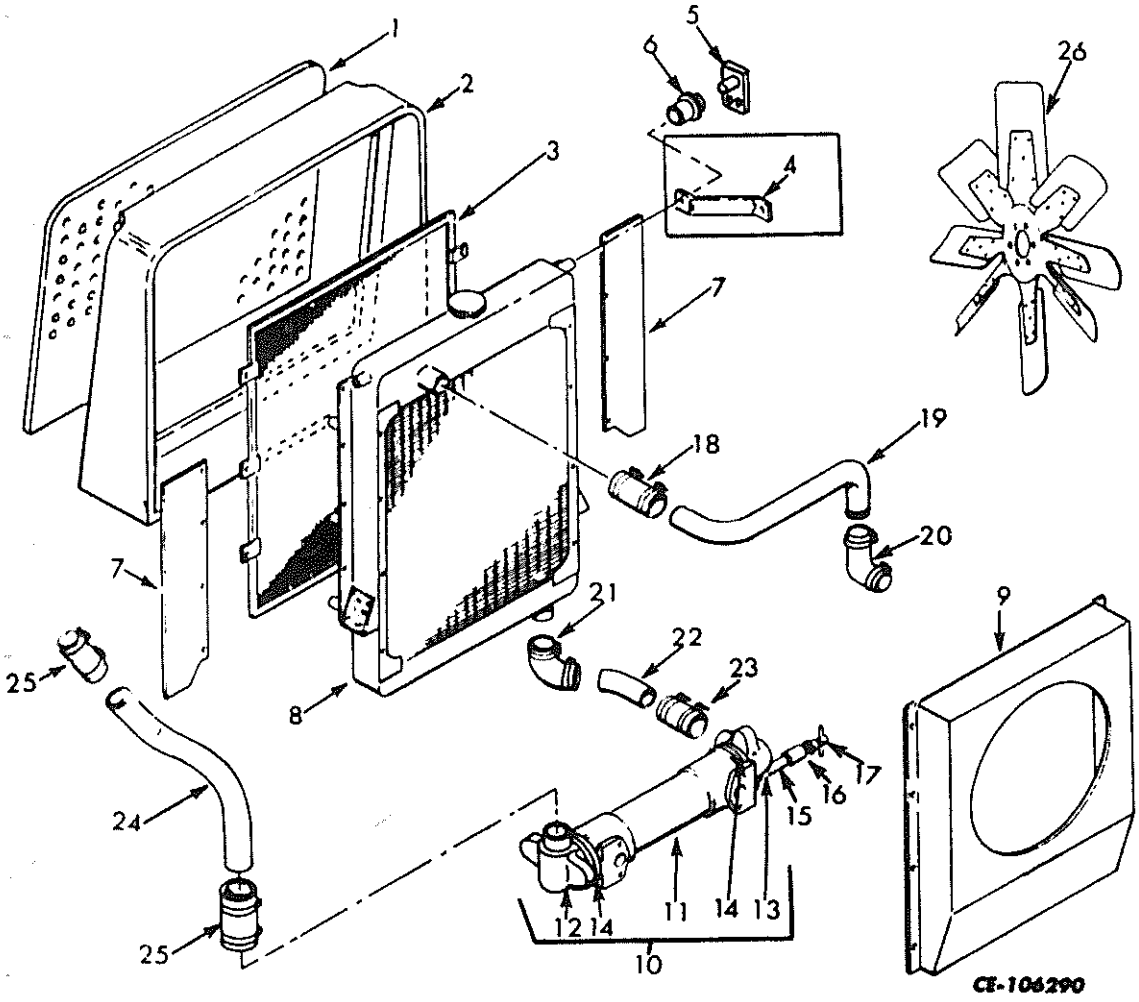

RADIATOR PIPING and RELATED PARTS

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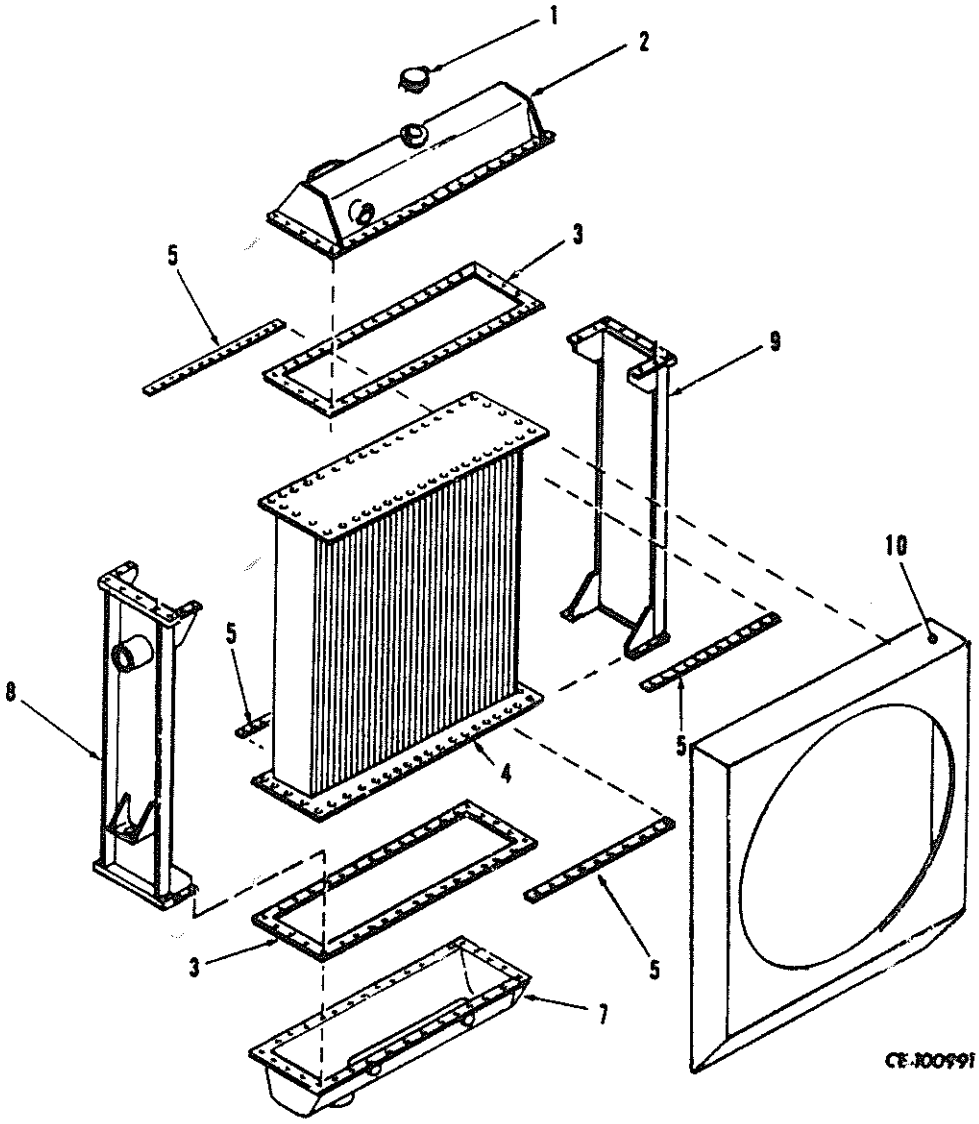
COOLING SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
		RADIATOR PIPING AND RELATED PARTS
1	880848C1	GRILLE
	24J41R1	BOLT, 3/8 NC x 1-1/2 hex-hd (6)
	25544R1	WASHER, 3/8 flat (6)
2	880850C2	SHROUD 05200 & Below.
	181433	SCREW, Cap - 1/2 NF x 1-3/4 (4)
	103323	WASHER, Lock - 1/2 (4)
	103028	NUT, 1/2 NF (4)
2	932802C1	SHROUD 05201 & Up.
	24864R1	BOLT, 1/2 NC x 2 hex hd (4)
	25546R1	WASHER, 1/2 flat (8)
	25526R1	NUT, 1/2 NC hex (4)
3	882388C1	SCREEN 05055 & Below
	181311	SCREW, Cap - 1/4 NF x 5/8 (6)
	103319	WASHER, Lock - 1/4 (6)
	106261	WASHER, Flat - 1/4 (6)
3	923342C1	SCREEN
	25228R1	BOLT, 5/16 NC x 1 hex-hd (6)
	25543R1	WASHER, 5/16 Flat (6)
4	880634C1	SUPPORT (2) 05055 & Below
	181364	SCREW, Cap - 3/8 NF x 1 (4)
	103321	WASHER, Lock - 3/8 (4)
	106263	WASHER, Flat - 3/8 (4)
	103026	NUT, 3/8 NF (4)
5	614873C11	BRACKET (2) 05056 & Up.
	179839	BOLT, 3/8 NC x 1 (4)
	31696H	WASHER, Flat (AR)
6	321859R1	MOUNTING, Rubber (2) 05056 & Up.
	Q-121	WASHER, Flat (2)
7	882384C2	SUPPORT (2)
	181311	SCREW, Cap - 1/4 NF x 5/8 (8)
	103319	WASHER, Lock - 1/4 (8)
	103024	NUT, 1/4 NF (8)
8	882381C91	RADIATOR 05055 & Below.
	125841H1	CAP, Radiator
	181429	SCREW, Cap - 1/2 NF x 1-1/4 (2)
	18452R1	NUT, 1/2 NF (2)
8		RADIATOR (Refer to Radiator ASSEMBLY) 05056 & Up.
	85083R91	CAP
	181429	BOLT, 1/2 NF x 1-1/4 (2)
	18452R1	NUT, 1/2 NF (2)
	106265	WASHER, Flat - 1/2 (2)
9	882382C1	SHROUD 05055 & Below.
	179812	SCREW, Cap - 5/16 NC x 1/2 (8)
	615031R1	WASHER, Flat - 5/16 (8)
	103320	WASHER, Lock - 5/16 (8)
10	882380C91	COOLER, Oil
	880091C1	"U" BOLT (2)
	103319	WASHER, Lock (4)
	109084	NUT, 1/4 NC (4)
11	887403C1	CORE ASSEMBLY
12	887401C1	BONNET, L.H. - With Plug
13	887402C1	BONNET, R.H.
14	886034C1	GASKET (2) SCREW, Cap - 5/16 NF x 1 (8) WASHER, Lock - 5/16 (8) PLUG, 5/8 NF (3)
15	120278	NIPPLE, Pipe - 3/8 x 2
16	187396	COUPLING, Pipe - 3/8
17	127525H1	COCK, Drain
		LINE-RADIATOR TO ENGINE
18	880803C1	HOSE
	279028R1	CLAMP (2)
19	882408C1	TUBE
20	120463H1	ELBOW
	279028R91	CLAMP (2)
		LINE-RADIATOR TO COOLER
21	176434H1	ELBOW
	279028R91	CLAMP (2)
22	889866C1	TUBE
23	425566R2	HOSE
	279028R91	CLAMP (2)
		LINE-COOLER TO ENGINE
24	889867C1	TUBE
25	425566R2	HOSE (2)
	279028R91	CLAMP (4)
26	338908R91	FAN, Blower 5055 & Below
	179838	SCREW, 3/8 NC x 7/8 hex-hd (6)
	103341	WASHER, 3/8 Flat (6)
	103321	WASHER, 3/8 Lock (6)
26	923343C1	FAN, Blower 5056 & Up.
	179843	SCREW, 3/8 NC x 1-1/2 hex-hd (6)
	103321	WASHER, 3/8 Lock (6)
	888480C91	KIT, Suction Fan (Consists of six BOLT, 179843, FAN 338909R91, and RETAINER 889574C1)

COOLING SYSTEM



RADIATOR
Used On S/N 5056 & Up

REF. NO.	PART NUMBER	DESCRIPTION
		RADIATOR ASSEMBLY (Consists of the following parts)
1	85083R91	CAP, 7 Lbs. Pressure
2	925721C1	TANK, Top
3	925726C1	GASKET, Header (2)
4	925719C1	CORE
5	925725C1	WASHER, Core (4)
6	925728C1	TUBE, Overflow
7	925720C1	TANK, Bottom
8	925723C1	SLIDE, R.H.
9	925724C1	SLIDE, L.H.
10	925721C1	SHROUD
	25756R1	BOLT, 5/16 x 5/8 (68)
	25757R1	BOLT, 5/16 x 3/4 (20)
	127750	BOLT, 1/4 x 1/2 (8)
	103319	WASHER, Lock - 1/4

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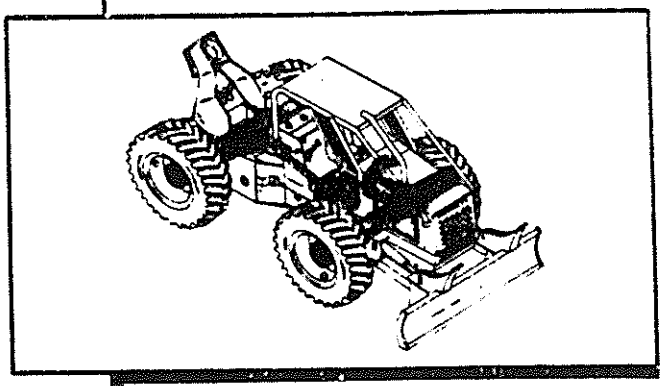
SECTION 7

DRIVE TRAIN



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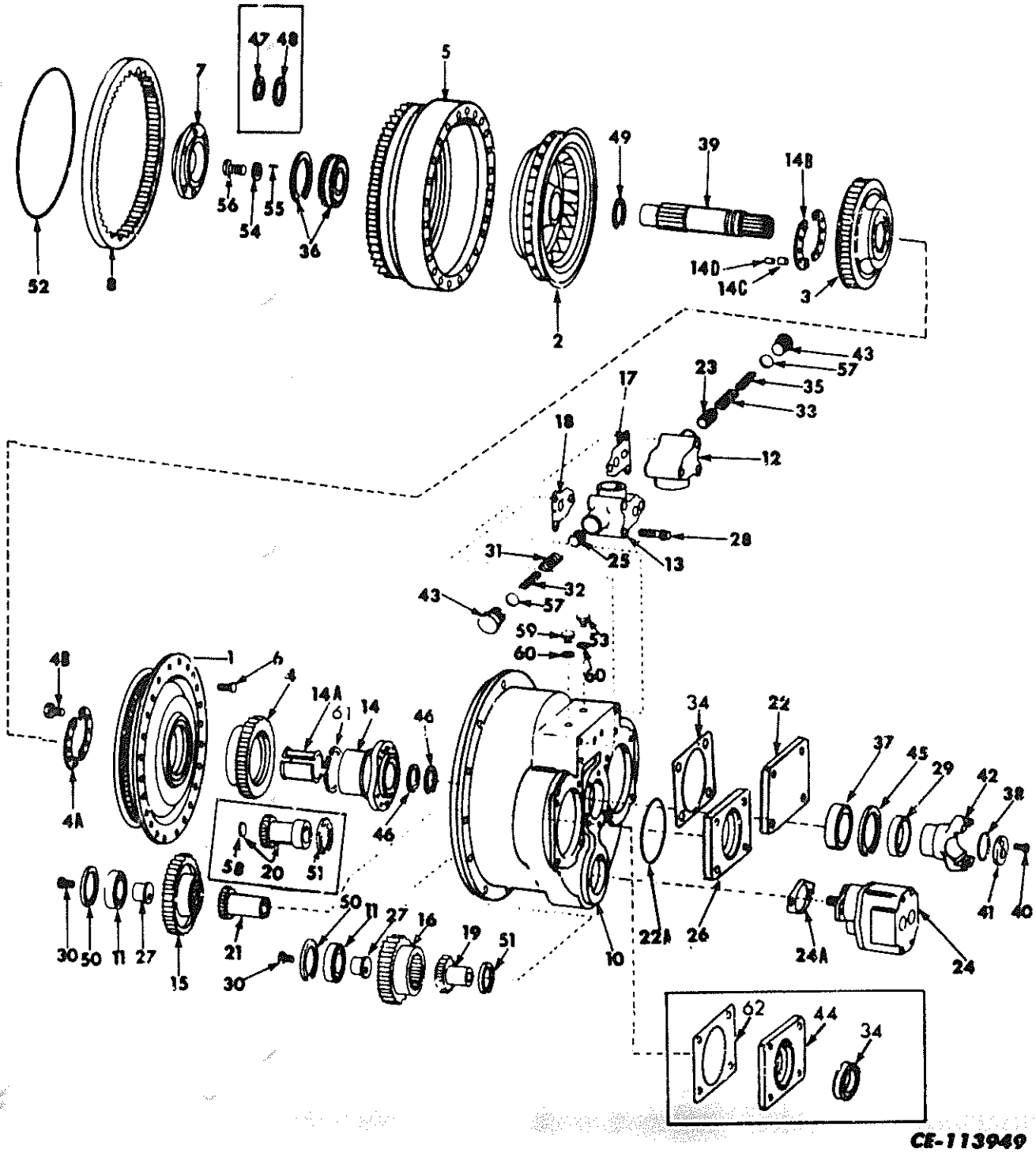
TORQUE CONVERTER



REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER - Continued		
		Parts without letters after the description indicates the part is used for both Torque Converters. Letters "A" and "B" are used to identify separate Torque Converters.
A	881 030 C92	CONVERTER ASSEMBLY, torque (Twin Disc No. X-218659A) (Order TORQUE CONVERTER, 881 030 C93)
B	881 030 C93	CONVERTER ASSEMBLY, torque (Twin Disc No. X-218659B)
	179 843	BOLT, 3/8"NC x 1-1/2" (Drive ring mounting) (8)
	103 321	WASHER, 3/8" lock (Drive ring mounting) (8)
	179 841	BOLT, 3/8"NC x 1-1/4" (Torque converter to engine) (12)
	103 321	WASHER, 3/8" lock (Torque converter to engine) (12)
1	879 197 C1	WHEEL IMPELLER
2	879 198 C1	WHEEL, turbine
3	222 676 H1	WHEEL ASSEMBLY, guide
4	222 677 H1	GEAR ASSEMBLY, pump drive (Order GEAR, 933 780 C91, CARRIER, 933 821 C1 and RING, 934 207 C1)
4	933 780 C91	GEAR ASSEMBLY w/BUSHING, 933 781 C1, pump drive
	933 781 C1	BUSHING
4A	222 680 H1	PLATE, clamp (2)
4B	181 595	SCREW, impeller to pump gear (5/16 x 1"NF) (6)
5	222 678 H1	HOUSING, rotating
6	25 492 R1	SCREW, 5/16 x 7/8"NC cap (24)
	Q-243	WASHER, 5/16" flat (24)
7	883 035 C2	RETAINER, bearing
	24 839 R1	BOLT, 3/8"NC x 3/4" hex-hd (6)
8	278 925 R2	RING, driving
9		NOT USED
10	223 030 H1	HOUSING, converter (Order HOUSING, 1 110 913 C1 and "O" RING, 1 110 395 C1)
10	1 110 913 C1	HOUSING, converter (Replaces 223 020 H1)
	185 192 H1	SCREW, drive (Nameplate) (4)
11	ST-731	BEARING, ball (2)
12	223 040 H1	BODY, converter regulator valve
13	223 039 H1	BODY, high pressure regulator valve
14	223 038 H1	CARRIER, guide (Converter A) (Order CARRIER, 933 821 C1, BUSHING, 933 781 C1 and RING 934 207 C1)
	21 318 R1	BOLT (6)
	321 608 R1	WASHER, flat copper (6)
14	933 821 C1	CARRIER, guide (Converter B)
	21 318 R1	SCREW, hex-hd cap (6)
	321 608 R1	WASHER, flat copper (6)
14A	223 020 H1	SLEEVE, split
14B	222 679 H1	PLATE, clamp (2)
	222 682 H1	SCREW, guide wheel to carrier (6)
14C	19 835 R1	PIN, spring (4)
14D	200 720 H1	PIN, roll (4)
15	223 035 H1	GEAR, driven (2)
16	223 034 H1	GEAR, driven
17	1 110 359 C1	GASKET, valve body
18	223 031 H1	GASKET, valve body
19	223 029 H1	HUB, splined
20	223 026 H2	SPLINED HUB ASSEMBLY w/PLU 200 743 H1 (Converter A) (Orde HUB, 630 220 C1, PLATE, 934 200 C1, "O" RING, 933 786 C1 and "O" RING, 22 285 R1)
21	630 220 C1	HUB, splined (Converter B)
22	883 158 C1	PLATE, cover
	24 860 R1	BOLT (4)
22A	933 786 C1	"O" RING (Converter B)
23	336 573 R1	PISTON, regulator valve
24		PUMP, charging (Refer to "Converter Pump")
	24 840 R1	BOLT, pump mounting (3/8" NC x 1") (2)
24A	347 624 R1	GASKET, pump flange (Use w/ HOUSING, 223 030 H1 only)
24A	1 110 395 C1	GASKET (Used w/HOUSING, 1 110 913 C1 only)
25	223 023 H1	PISTON, regulator
26	934 200 C1	PLATE, pump mounting (Converter B)
	179 881	BOLT (4)

REF. NO.	PART NUMBER	DESCRIPTION
TORQUE CONVERTER - Continued		
27	223 021 H1	RETAINER, bearing (2)
28	223 041 H1	SCREW (6)
29	200 721 H1	SEAL, oil
30	181 364	SCREW, bearing retainer (3/8" x 1"NF) (2)
31	223 045 H1	SPRING, outer
32	223 046 H1	SPRING, inner
33	223 044 H1	SPRING outer
34	882 515 C1	GASKET
34A	223 042 H1	SEAL, oil (Converter A)
35	223 043 H1	SPRING, inner
36	ST-236	BEARING w/SNAP RING, ball (Converter A)
36	927 323 C91	BEARING w/SNAP RING, ball (Converter B)
37	302 592 R91	BEARING (Converter A)
37	927 322 C91	BEARING (Converter B)
38	336 588 R1	"O" RING
39	223 016 H1	SHAFT, output (Converter A) (Order SHAFT, 933 787 C1, RETAINER, 882 437 C1 and two BOLT, 181 433)
39	933 787 C1	SHAFT, output (Converter B)
40	181 360	SCREW (Used w/SHAFT, 223 016 H1 and SHAFT, 927 286 C1)
40	181 433	SCREW (Used w/SHAFT, 933 787 C1)
41	200 724 H1	PLATE, output yoke clamp (Used w/SHAFT, 223 016 H1)
41	882 437 C1	RETAINER, washer (Used w/ SHAFT, 933 787 C1)
42	200 725 H1	YOKE
43	336 572 R1	PLUG, relief valve (2)
44	889 423 C1	PLATE, pump mounting (Converter A)
	179 881	BOLT (4)
45	336 589 R1	RING, snap
46	336 593 R1	RING, output shaft piston (2)
47	223 015 H1	RING, snap (Converter A)
48	223 017 H1	SPACER, bearing (Converter A)
49	222 681 H1	RING, snap
50	336 591 R1	RING, snap (2)
51	336 590 R1	RING, snap (2)
52	222 158 H1	RING, sealing - Torque converter to adapter (Not part of Torque Converter)
53	223 037 H1	FITTING, connector
54	882 437 C1	RETAINER, washer (Converter B)
55	18 556 R1	PIN, roll (Converter B)
56	181 433	BOLT (Converter B)
57	336 579 R1	WASHER, copper (2)
58	200 743 H1	PLUG, expansion (Used w/HUB ASSEMBLY, 223 026 H2)
59	9 410 363	PLUG
60	606 304 C1	"O" RING (2)
61	934 207 C1	RING, piston (Converter B)
62	882 515 C1	GASKET (Converter A)

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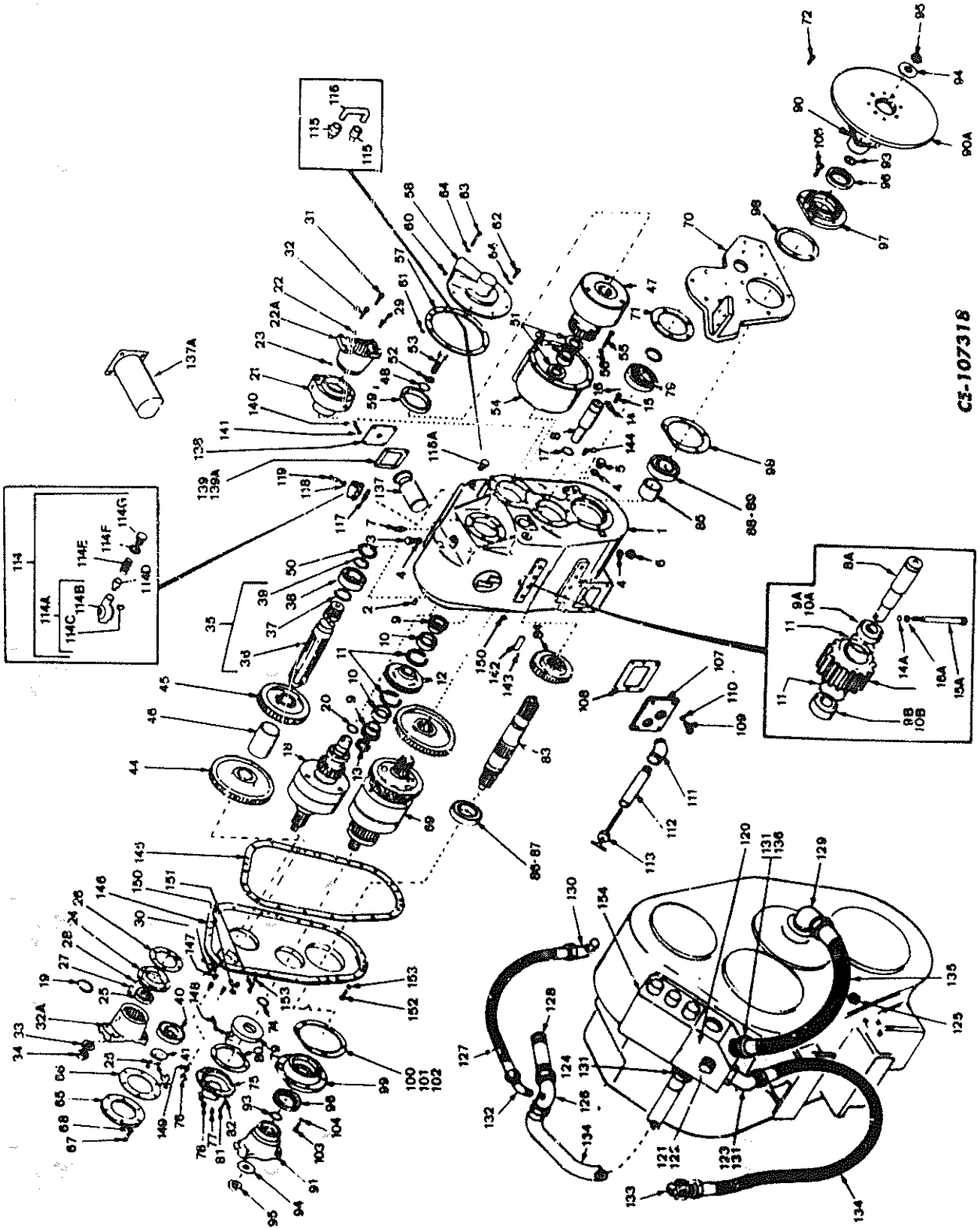

TRANSMISSION

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REF. NO.	PART NUMBER	DESCRIPTION
		TRANSMISSION
		Parts without letters after the description indicate the part is used for all Transmissions; Letters A, B, and C are used to identify separate transmissions.
A	880 991 C97	TRANSMISSION ASSEMBLY
B	926 237 C92	TRANSMISSION ASSEMBLY
C	926 292 C92	TRANSMISSION ASSEMBLY
1		HOUSING, Main (Refer to Main Housing and Tube Assembly P-601)
2	19 904 R1	DOWEL (2)
3	893 009 C1	PLUG
4	114 851 H1	WASHER, Seal (3)
5	169 320 H1	PLUG, level check
6	113 933 H	PLUG, Magnetic
7	152 127 H1	BREATHER
8	212 063 H1	SHAFT, reverse idler (A Assembly used with Main Housing, 160 000 H3 only)
8	922 536 C1	SHAFT, reverse idler (A Assembly used with Main Housing, 922 326 C91 only)
8A	928 959 C1	SHAFT, reverse idler (B & C Assy.)
9	220 486 H1	RACE, Inner (2) (A Ass'y)
9A	220 486 H1	RACE, Inner (B & C Ass'y)
9B	928 957 C1	RACE, Inner (B & C Ass'y)
10	350 500 R91	BEARING, Outer Race (2) (A Ass'y)
10A	350 500 R91	BEARING, Outer Race (B & C Ass'y)
10B	928 958 C91	BEARING, Outer Race (B & C Ass'y)
11	468 337 R91	RING, Retaining (2)
	926 717 C91	GEAR ASSEMBLY, Includes Items 10, 11 and 12
	929 228 C91	GEAR ASSEMBLY, Includes items 10A, 10B, 11 and 12
12		GEAR, Reverse idler (Not furnished separately)
13	222 445 H1	SPACER
14	125 523 H1	PLATE, Locking (A Ass'y)
14A	370 920 R1	"O" RING (B & C Ass'y)
15	15 210 D	SCREW, cap 3/8NC 3/4 (2) (A Assy)
15	179 877	BOLT (A Ass'y)
15A	138 304	SCREW (B & C Ass'y)
16	881 083 C1	WIRE, Lock (A Ass'y)
16A	396 323 R1	WASHER (B & C Ass'y)
17	707 253 R1	"O" RING
18		CLUTCH ASSEMBLY (See CLUTCH ASS'Y - FWD/REV
19	21 269 R1	RING, retaining (2)
20	129 509 H1	RING, seal (4)
21	926 239 C92	CAP & PLUG ASSEMBLY (Includes next 3 items)
		CAP (Not furnished separately)
22	444 854	PLUG (3)
	104 705 H1	SEAL, oil
22A	892 540 C1	YOKE
	880 983 C1	COVER
	880 982 C1	SCREW, ferry cap (3)
	103 322	WASHER, lock - 7/16 (3)
23	355 966 R1	"O" RING (3)
	199 156 H1	CAP & SEAL ASSEMBLY (Includes next 2 items)
24	116 608 H1	CAP
25	104 705 H1	SEAL, oil
26	116 609 H1	GASKET
27	179 839	SCREW, cap - 3/8 NC x 1 (6)
28	103 321	WASHER, lock - 3/8 (6)
29	887 405 C1	SCREW, cap - 3/8 NC x 1 (4)
30	125 573 H1	RING, retaining
31	922 988 C1	SCREW, cap - 3/8 NC x 1-3/4
32	888 902 C1	SCREW, cap - 3/8 NC x 2-3/4 (A Ass'y)
32	923 086 C1	BOLT, 3/8 NC x 2-1/4 (B & C Assy)
32A	892 540 C1	YOKE
33	103 348	WASHER, yoke retainer
34	215 617 R1	NUT, lock
35	923 211 C91	COUNTERSHAFT ASSEMBLY
36	923 212 C1	COUNTERSHAFT, upper
37	125 566 H1	RING, retaining
38	ST-297	BEARING, ball
39	238 604 R1	RING, retaining
40	ST-296	BEARING, ball
41	116 623	WASHER, retaining
42	15 210 D	SCREW, cap - 3/8 NC x 3/4 (2)
43	881 083 C1	WIRE, lock
44	125 563 H1	GEAR, forward driven
45	159 658 H1	GEAR, reverse driven
46	125 564 H1	SPACER
47		CLUTCH ASSEMBLY, 1st gear (See CLUTCH ASSY, 1st gear)
48	129 509 H1	RING, seal (2)

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DRIVE TRAIN

TRANSMISSION - Continued

REF. NO.	PART NUMBER	DESCRIPTION
49	197 246 H1	BEARING, caged roller
50	197 228 H1	BEARING, thrust
51	197 229 H1	RACE, thrust (2) (A Ass'y)
51	675 705 R1	RACE, thrust (2) (B & C Ass'y)
52	16 066 R1	WASHER, lock
53	129 508 H2	SCREW, cap
54	881 932 C1	HOUSING, 1st gear clutch
55	179 847	SCREW, cap - 3/8 NC x 1 (6)
56	103 321	WASHER, lock - 3/8 (6)
57	129 513 H1	GASKET
58	926 241 C91	COVER, 1st gear (Includes Items 59 & 60)
59	299 489 R91	BEARING, roller
60	444 854	PLUG (2)
61	355 966 R1	"O" RING (4)
62	179 841	SCREW, cap - 3/8 NC x 1-1/8 (7)
63	179 848	SCREW, cap - 3/8 NC x 2-1/4
64	103 321	WASHER, lock - 3/8 (8)
65	116 610 H1	CAP
66	116 611 H1	GASKET
67	179 839	SCREW, cap - 3/8 NC x 1 (6)
68	103 321	WASHER, lock - 3/8 (6)
69		CLUTCH ASSEMBLY, 2nd & 3rd gear (See CLUTCH ASSY, 2nd & 3rd gear)
70	893 049 C2	SUPPORT, caliper
71	207 041 H1	GASKET, plastic (AR)
72	925 489 C1	SCREW, cap - 3/8 NC x 1-1/4 (5)
73		GASKET, plastic (AR) (order PLASTIC GASKET, 207 041 H1)
74	129 509 H1	RING, seal (3)
75	923 179 C1	CAP, oil supply
76	129 554 H1	FITTING, 90° elbow
77	444 854	PLUG (2)
78	129 553 H1	FITTING
79	187 071 H1	BEARING, outer race (2)
80	120 243 H1	GASKET
81	179 839	SCREW, cap - 3/8 NC x 1 (6)
82	103 321	WASHER, lock - 3/8 (6)
83	880 987 C1	SHAFT, output
84	878 594 C1	GEAR, output driven
85	220 522 H1	SPACER
86	659 458 R91	BEARING, inner race
87	105 497 H	BEARING, outer race
88	13 396 DC	BEARING, inner race
89	13 390 D	BEARING, outer race
90	922 109 C1	FLANGE
90A	922 110 C1	DISC, brake
	922 108 C1	BOLT, 7/16 x 1-1/8 NF (8)
	19 500 R1	NUT, 7/16 Esna (8)
	281 878 C1	WASHER, 7/16 (8)
91	881 081 C1	YOKE
93	702 283 R1	"O" RING (2)
94	880 994 C1	WASHER, yoke retaining (2)
95	215 617 R1	NUT, locking (2)
96	880 605 C91	SEAL, oil (2)
	891 163 C91	HUB ASSY, Includes Items 89, 96, & 97.
97	891 123 C1	HUB, bearing retainer
98		GASKET, plastic (AR) (order PLASTIC GASKET, 207 041 H1)
	881 078 C91	RETAINER ASSY, Includes Items 87, 96 and 99.
99	220 495 H1	CAP, bearing retainer
100	877 481 C1	SHIM (.002) (x)
101	877 483 C1	SHIM (.010) (x)
102	877 482 C1	SHIM (.005) (x)
103	179 839	SCREW, cap - 3/8 NC x 1 (6)
104	103 321	WASHER, lock - 3/8 (6)
105	107 890	BOLT, 1/2 NC x 2-1/4 (5) (A Assy)
105	928 317 C1	SCREW, cap - 1/2 NC x 2 (5) (B & C Assy)
107	222 208 H1	COVER
108	120 275 H1	GASKET
109	179 840	SCREW, cap - 3/8 NC x 1-1/8 (4)
110	103 321	WASHER, lock - 3/8 (4)

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DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
		TRANSMISSION - Continued
111	144 116	ELBOW, 45°
112	880 981 C1	TUBE, dipstick
113	880 986 C1	DIPSTICK
114	140 734 H1	MANIFOLD ASSEMBLY (See Inset for components (A Assy) (Order Manifold, 922 446 C91 and Ring, 445 684)
114	922 446 C91	MANIFOLD ASSEMBLY (See Inset for components (A Assy)
	179 848	SCREW, Cap - 3/8 NC x 1-1/4
	125 003 H1	WASHER, sealing
114A	130 549 H1	MANIFOLD & TUBE ASSEMBLY
114B	129 565 H1	MANIFOLD
114C	130 548 H1	TUBE
114D	134 152 H1	PLUNGER
114E	130 553 H1	SPRING
114F	114 851 H1	WASHER
114G	137 551 H1	PLUG (used on 140 734 H1 Manifold Assembly)
114G	922 445 C1	PLUG (used on 922 446 C91 Manifold Assembly)
115	127 302 H1	FITTING (used with 140 734 H1 Manifold only) (2)
116	137 572 H1	TUBE (used with 140 734 H1 Manifold only)
116A	445 684	PLUG (used with 922 446 C91 Manifold only)
117	293 726 R1	"O" RING
118	125 003 H1	WASHER, Sealing
119	179 848	SCREW, Cap 3/8 NC x 2-1/4
120	923 194 C1	MANIFOLD (B & C Assy)
121	179 851	BOLT (B & C Assy)
122	125 003 H1	WASHER, Sealing (B & C Assy)
123	9 410 979	ELBOW (B & C Assy)
124	9 410 205	ADAPTER (B & C Assy)
125	444 654	PLUG PIPE, 1/4 (B & C Assy)
126	929 231 C1	ELBOW, Reducer (B & C Assy)
127	929 232 C1	HOSE (B & C Assy)
128	878 173 C1	NIPPLE (B & C Assy)
129	9 402 867	ELBOW (B & C Assy)
130	23 131 R1	ELBOW (B & C Assy)
131	368 269 R1	"O" RING (B & C Assy) (3)
132	9 402 823	ELBOW (B & C Assy)
133	9 402 711	ADAPTER (B & C Assy)
134	879 059 C1	HOSE (B & C Assy) (2)
135	147 961 H1	HOSE (B & C Assy)
136	9 403 218	ADAPTER (B & C Assy)
137	222 163 H1	STRAINER (A Assy)
137	923 081 C2	STRAINER (B & C Assy)
137A	922 985 C1	SHROUD (B & C Assy)
138	222 164 H1	RETAINER, Strainer
139	129 570 H1	GASKET, (A Assy)
139A	129 570 H1	GASKET (B & C Assy) (2)
140	179 841	BOLT, 3/8 NC x 1 (4)
141	103 321	WASHER, Lock (4)
142	887 529 C1	PLATE, Serial No.
143	123 250 H1	SCREW, Drive (2)
144	445 686	PLUG
145	125 524 H1	GASKET
146	143 053 H1	COVER, Main
147	129 553 H1	FITTING (3)
148	143 052 H1	TUBE, 2nd Gear
149	152 125 H1	TUBE, 3rd Gear
150	352 221 R1	"O" RING (2)
151	143 049 H1	SCREW, Cap (2)
152	179 841	SCREW, Cap 3/8 NC x 1-1/4 (19)
153	103 321	WASHER, Lock 3/8 (21)
154		VALVE, Transmission Control (Refer to Transmission Control Valve)
	142 895 H2	KIT, transmission gasket (Consists of - 1 GASKET (cover to main housing) 125 524 H1; 1 GASKET (input cap rear to cover) 116 609 H1; 1 GASKET (cap to cover-upper C' shaft-rear) 116 611 H1; 1 GASKET (cover to first gear clutch housing) 129 513 H1; 1 GASKET (cap to cover-lower C' shaft-rear) 120 243 H1; 1 GASKET (cap to main housing-lower C' shaft-front) 129 548 H1; 1 GASKET (cap to cover-rear output) 120 248 H1; 1 GASKET (cap to main housing-front output) 129 560 H1; 1 GASKET (axle throwout housing to main housing) 120 275 H1

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

TRANSMISSION - Continued

	1	GASKET (filter cover to main housing)	129 570 H1
	1	GASKET (output shaft yoke)	130 044 H1
	1	GASKET (cover to first gear)	928 466 C1)
142 897 H3		KIT, transmission "O" RING	
		(Consists of -	
	16	"O" RING (bushing to tube)	355 967 R1
	13	"O" RING	355 966 R1
	1	"O" RING (lube manifold to main housing)	293 726 R1
	5	"O" RING (piston seal ring-OD)	133 600 H1
	5	"O" RING (piston seal ring-ID)	133 601 H1
	16	"O" RING (bushing to housing)	146 898 H1
	12	"O" RING (dynaseal washer-3/8" dia. cap screw)	125 003 H1
	5	"O" RING (dynaseal washer)	299 496 R1
	1	"O" RING (reverse idler shaft)	707 253 R1
	1	"O" RING (control valve)	570 828 R1
	4	"O" RING (relief valve)	352 221 R1
	3	"O" RING (control valve)	350 818 R1
	1	"O" RING (relief valve)	254 691 R1
	3	"O" RING (relief valve)	368 269 R1
	1	"O" RING (relief valve)	359 158 R1
	2	"O" RING (output yoke)	702 283 R1
	2	"O" RING (output yoke)	471 173 R1
	1	"O" RING	370 920 R1
	6	"O" RING	379 181 R1
	2	RING (piston seal)	922 911 C1
	2	RING (piston seal)	922 912 C1
	3	RING (piston seal)	922 198 C1
	3	RING (piston seal)	922 199 C1)
881 678 C91		KIT, Oil Seal	
		(Consists of -	
	2	SEAL	104 705 H1
	2	SEAL	880 605 C91
	3	SEAL	124 516 H1)

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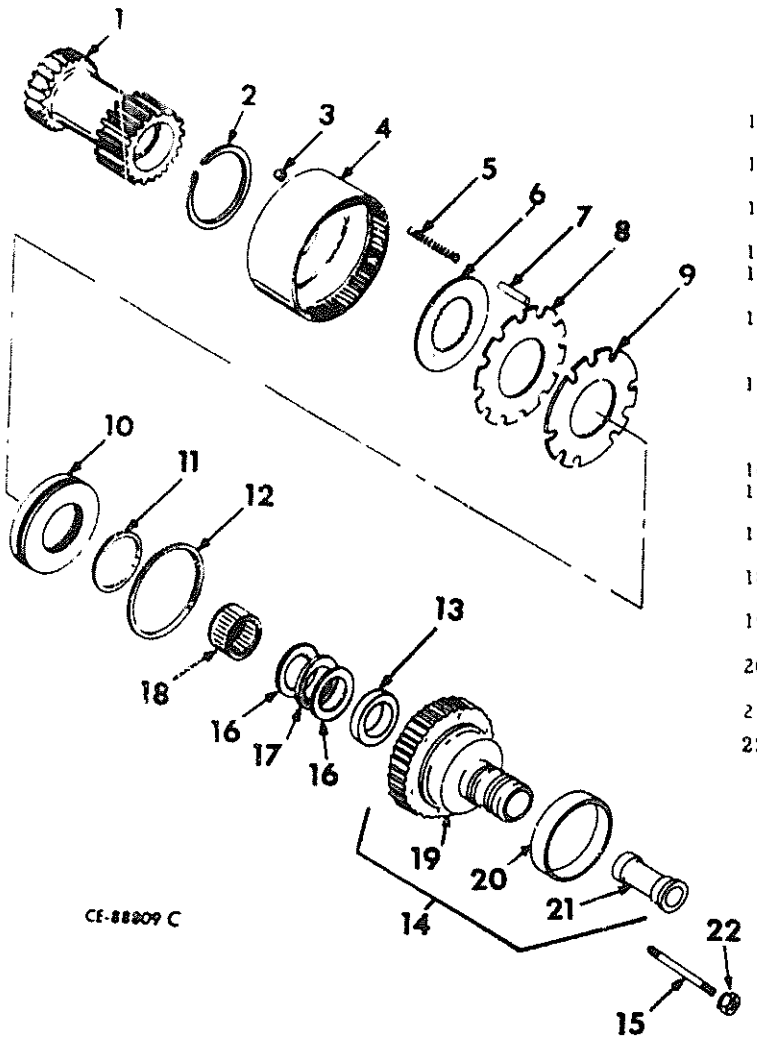
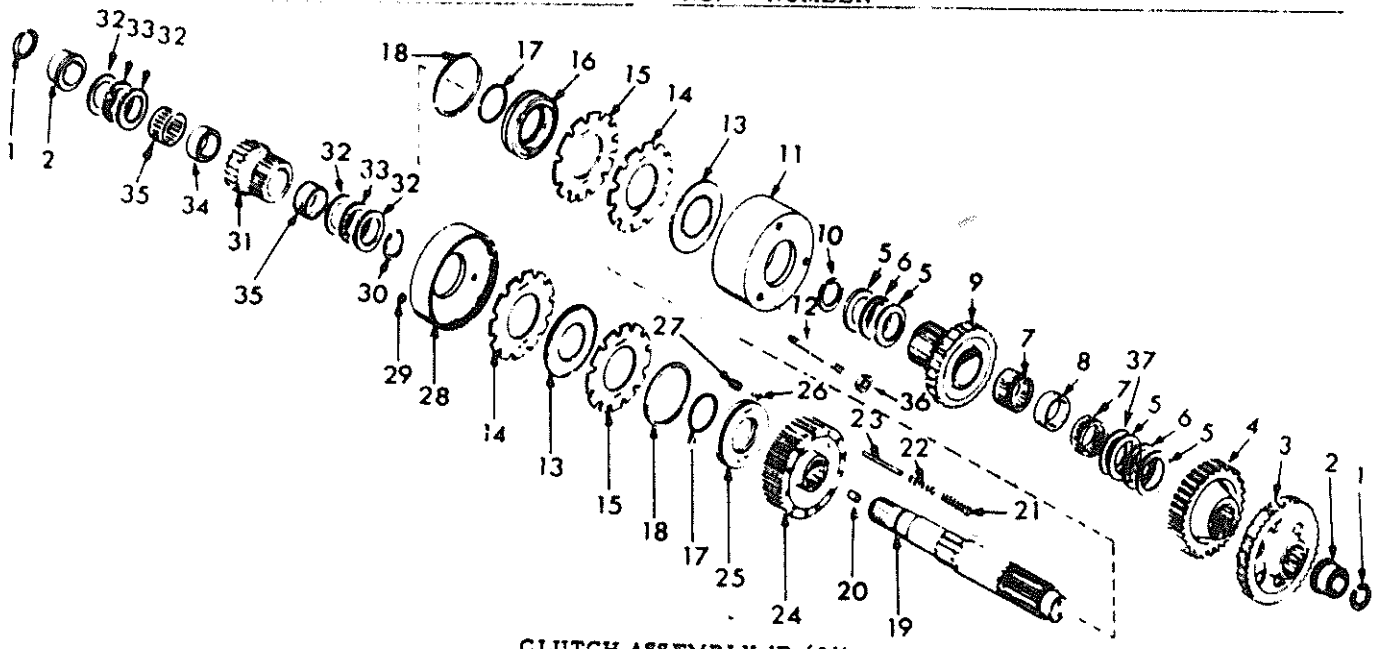


CLUTCH ASSEMBLY (P-601)
(First Gear)

REF. NO.	PART NUMBER	DESCRIPTION
	220 498 H5	CLUTCH ASSEMBLY, first gear (Consists of the following parts)
1	219 187 H1	GEAR, first (7-5/64" length) (Order the following parts - 1 GEAR 921 279 C1; 2 RACE 675 705 R1; 1 SPACER 921 269 C1)
1	921 279 C1	GEAR, first (7-1/64" length)
2	222 444 H1	RING, retaining
3	125 553 H1	NUT, lock (3) (used w/plate, 223 004 H1) (6) (used w/plate, 923 328 C1)
4	220 491 H2	PLATE, backing
5	129 504 H1	SPRING (6)
6	886 934 C1	PLATE, driven (Bronze) (15)
7	129 503 H1	PIN, spring guide (6)
8	893 515 C1	PLATE, driving (Steel) (14)
9	223 004 H1	PLATE, spring retaining (Three Stud Clutch Assembly)
9	923 328 C1	PLATE, spring retaining (Six Stud Clutch Assembly)
10	875 049 C1	PISTON
11	133 601 H1	RING, seal
12	133 600 H1	RING, seal
13	220 524 H1	SPACER (9/16" Thick)
13	921 269 C1	SPACER (1/2" Thick)
14	189 329 H3	CYLINDER, 189 327 H3 w/RACE, 189 328 H1 and SLEEVE, 188 628 H3
15	220 865 H1	STUD, clutch drive (3) (used w/plate, 223 004 H1) (6) (used w/plate, 923 328 C1)
16	197 229 H1	RACE, thrust (1/32" Thick) (2)
16	675 705 R1	RACE, thrust (1/16" Thick) (2)
17	197 228 H1	BEARING, thrust
18	197 246 H1	BEARING, caged roller
19	189 327 H3	CYLINDER
20	189 328 H1	RACE, inner bearing
21	188 628 H3	SLEEVE
22	894 850 C1	NUT, lock (3) (used w/plate, 223 004 H1) (6) (used w/plate, 923 328 C1)

DRIVE TRAIN



CLUTCH ASSEMBLY (P-601)
(Second and Third Gear)

CE-88810C

REF. NO.	PART NUMBER	DESCRIPTION
	878 596 C95	CLUTCH ASSEMBLY, second and third gear (Consists of the following parts)
1	287 049 R1	RING, retaining (2)
2	222 626 H1	BEARING, inner race (2)
3	219 180 H1	GEAR, 1st, driven
4	[illegible] C1	GEAR, output driving
5	[illegible] 221 H1	RACE, thrust (1/32" thick) (4)
5	921 271 C1	RACE, thrust (3/32" thick) (4)
6	219 220 H1	BEARING, thrust (2)
7	216 933 H1	BEARING, caged roller (2)
8	220 481 H1	SPACER, 2nd (13/16" thick)
8	921 268 C1	SPACER, 2nd (9/16" thick)
9	219 188 H2	GEAR, 2nd, driving (3-29/32" length (Order the following parts - 1 GEAR 921 277 C1, 4 RACE 921 271 C1, 1 SPACER 921 268 C1)
9	921 277 C1	GEAR, 2nd, driving (4" length)
10	233 042 R1	RING, retaining
11	927 821 C1	PLATE, backing, 2nd (Three Stud Clutch Assembly)
11	220 487 H3	PLATE, backing, 2nd (Six Stud Clutch Assembly
12	220 866 H1	STUD, clutch drive (3) (used w/plate, 215 737 H1) (6) (used w/plate, 923 327 C1)
13	886 934 C1	PLATE, driven (bronze) (13) 2nd gear (6) 3rd gear
14	893 515 C1	PLATE, driving (steel) (12) 2nd gear (5) 3rd gear
15	215 737 H1	PLATE, spring retaining (Three Stud Clutch Assembly) (2)
15	923 327 [illegible] 1	PLATE, spring retaing (Six Stud Clutch Assembly) (2)
16	875 050 C1	PISTON, 2nd
17	133 601 H1	RING, Seal (2)
18	133 600 H1	RING, Seal (2)
19	219 184 H1	SHAFT
20	125 534 H1	DOWEL (2)
21	129 536 H1	SPRING, 2nd (9) (used w/cylinder, 927 866 C1) (6) (used w/cylinder, 156 938 H2)
22	129 [illegible] 37 H1	SPRING, 2nd (9) (used w/cylinder, 927 866 C1) (6) (used w/cylinder, 156 938 H2)
23	220 477 H1	PIN, spring guide (9) (used w/cylinder, 927 866 C1) (6) (used w/cylinder, 156 938 H2)
24	927 866 C1	CYLINDER (Three Stud Clutch Assembly)
24	156 938 H2	CYLINDER (Six Stud Clutch Assembly)
25	875 051 C1	PISTON, 3rd
26	129 532 H1	SPRING, 3rd (9) (used w/cylinder, 927 866 C1) (6) (used w/cylinder, 156 938 H2)
27	129 531 H1	SPRING, 3rd (9) (used w/cylinder, 927 866 C1) (6) (used w/cylinder, 156 938 H2)
28	927 820 C1	PLATE, backing, 3rd (3 Stud holes)
28	220 488 H3	PLATE, backing, 3rd (6 Stud holes)
29	125 553 H1	NUT, lock (3) (used w/plate 927 820 C1) (6) (used w/o plate 220 488 H3)
30	644 771 R1	RING, retaining
31	219 183 H2	GEAR, 3rd, driving (2-29/32 length) (Order the following parts - 1 GEAR 921 278 C1, 4 RACE 921 272 C1, 1 SPACER 921 275 C1)
31	921 278 C1	GEAR, 3rd, driving (2-27/32 length)
32	219 223 H1	RACE, thrust (1/32" thick) (4)
32	921 272 C1	RACE, thrust (1/16" thick) (4)
33	374 011 R91	BEARING, thrust (2)
34	220 482 H1	SPACER, 3rd (11/16" thick)
34	921 275 C1	SPACER, 3rd (9/16" thick)
35	610 766 C91	BEARING, caged roller (2)
36	894 850 C1	NUT, lock (3) (used w/plate 927 821 C1) (6) (used w/plate 220 487 H1)
37	**21 922 H1**	**RACE, thrust (Use w/RACE 921 271 C1) (X)**

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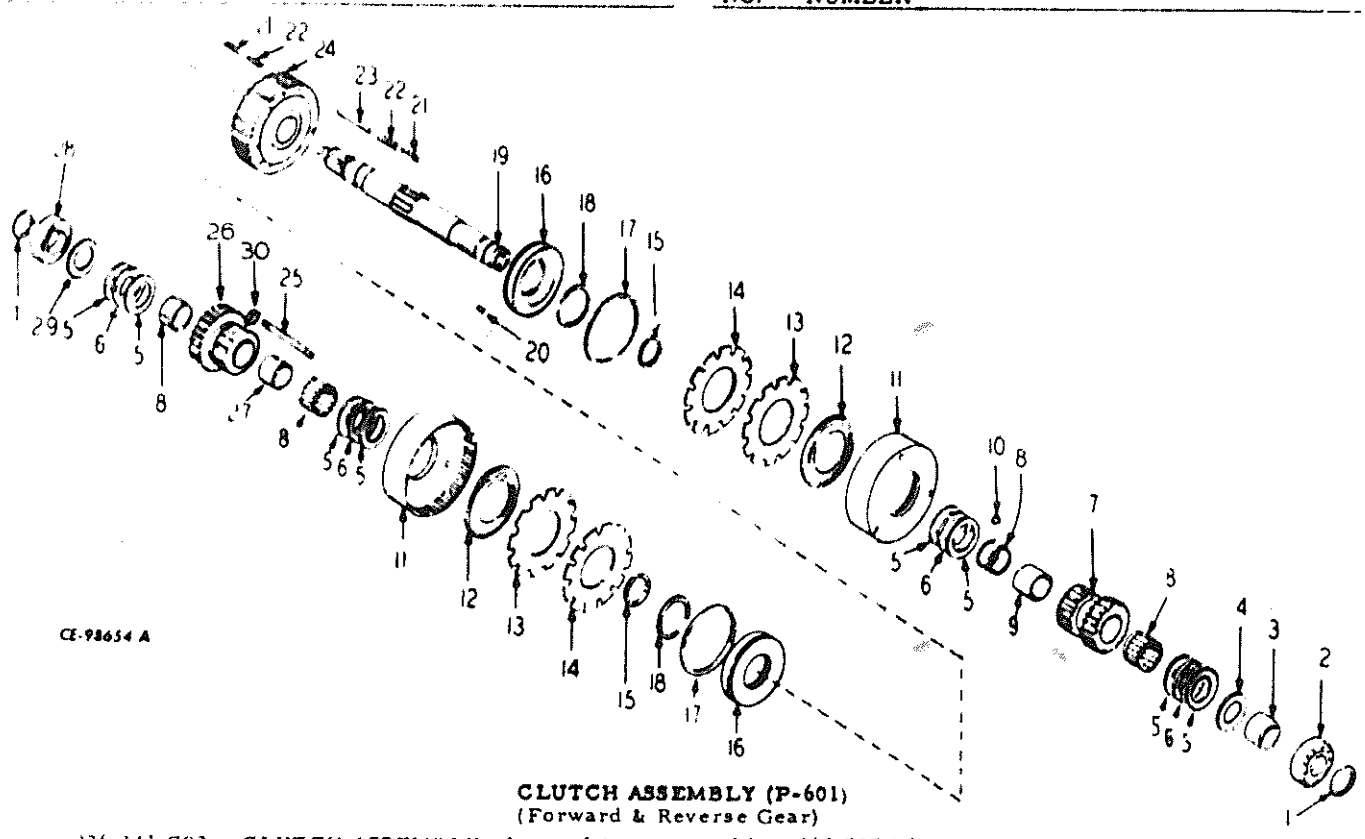
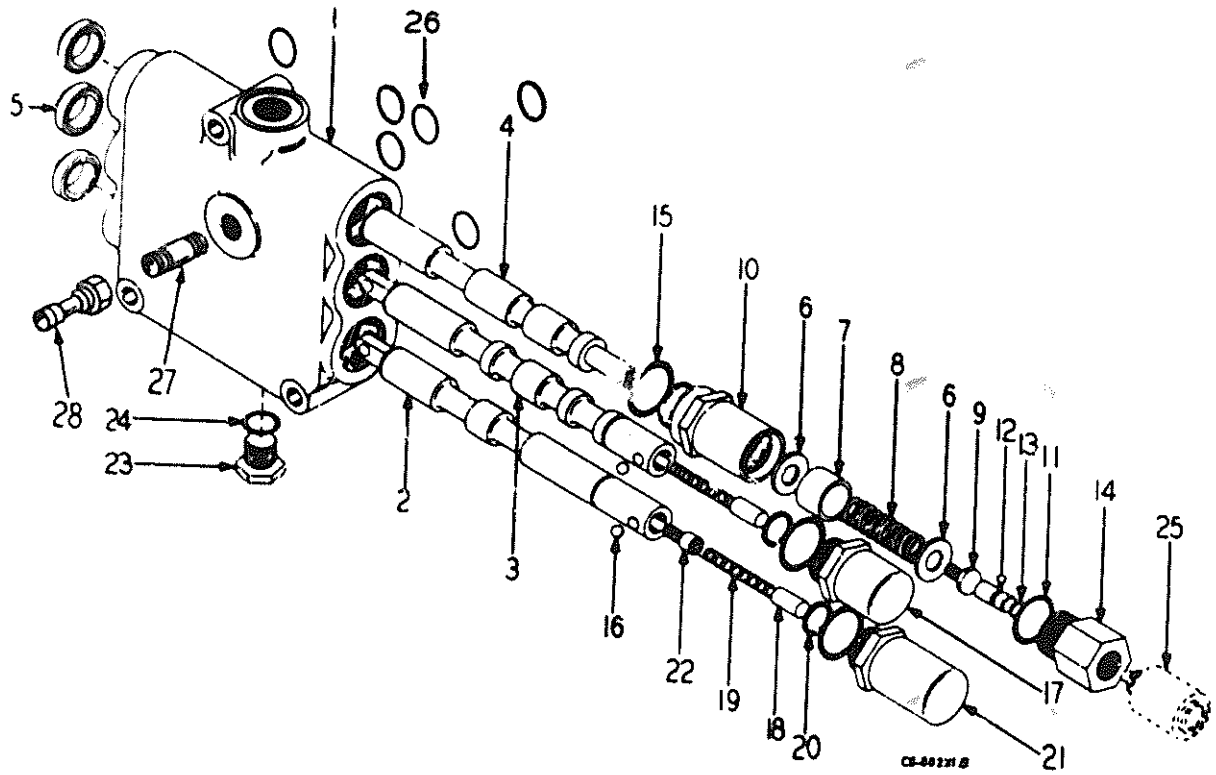
DRIVE TRAIN



CLUTCH ASSEMBLY (P-601)
(Forward & Reverse Gear)

REF NO	PART NUMBER	DESCRIPTION
	926 341 C92	CLUTCH ASSEMBLY, forward & reverse (Consists of the following parts)
1	698 553 R1	RING, retaining (2)
2	ST-3000	BEARING
3	150 430 H1	SPACER
4	220 480 H1	SPACER (2)
5	197 229 H1	RACE, thrust (1/32" thick) (8)
5	675 705 R1	RACE, thrust (1/16" thick) (8)
6	197 228 H1	BEARING, thrust (4)
7	926 704 C1	GEAR, reverse drive (3-49/64") (Order the following parts - 1 GEAR 926 705 C1 4 RACE 675 705 R1 1 SPACER 921 273 C1)
7	926 705 C2	GEAR, reverse drive (3-45/64" length)
8	197 246 H1	BEARING, caged roller (4)
9	220 484 H2	SPACER (1-33/64" thick)
9	921 274 C1	SPACER (1-25/64" thick)
10	894 850 C1	NUT, lock (3) (used w/plate, 215 737 H1) (6) (used w/plate, 923 327 C1)
11	220 489 H3	PLATE, backing (2)
12	886 934 C1	PLATE, driven (bronze) (9) forward gear (9) reverse gear
13	893 515 C1	PLATE, driving (steel) (without Rubber Bumpers) (8) forward gear (8) reverse gear
13	892 887 C1	PLATE, driving (steel) (with six Rubber Bumpers) (8) forward gear (8) reverse gear
14	215 737 H1	PLATE, spring retaining (Three Stud Clutch Assembly) (2)
14	923 327 C1	PLATE, spring retaining (Six Stud Clutch Assembly) (2)
15	156 970 H1	RING, retaining (2)
16	875 051 C1	PISTON (2)
17	133 600 H1	RING, seal (2)
18	133 601 H1	RING, seal (2)
19	889 981 C3	SHAFT, input
20	120 604	SETSCREW (3)
21	125 549 H1	SPRING (12)
22	125 548 H1	SPRING (12)
23	220 478 H1	PIN, spring guide (6)
24	157 180 H2	CYLINDER
25	885 168 C1	STUD, clutch drive (3) (used w/plate, 215 737 H1) (6) (used w/plate, 923 327 C1)
26	219 185 H2	GEAR, forward drive (Used with Spacer, 220 483 H2) (Order the following parts - 1 GEAR 921 280 C1 4 RACE 675 705 R1 1 SPACER 921 274 C1
26	921 280 C1	GEAR, forward drive (Used with Spacer, 921 274 C1)
27	220 483 H2	SPACER (13/16" thick)
27	921 273 C1	SPACER (11/16" thick)
28	894 805 C91	BEARING (together with RETAINING RING, 125 573 H1 will work for BALL BEARING, ST-243)
29	894 806 C1	SPACER
30	125 553 H1	NUT, lock (3) (used w/plate 215 737 H1) (6) (used w/plate 923 327 C1)

DRIVE TRAIN



TRANSMISSION CONTROL VALVE

REF. NO.	PART NUMBER	DESCRIPTION
	174 960 H1	VALVE, transmission (Includes items 1 thru 24) (Order valve 144 416 H1)
	179 850	SCREW, cap - 3/8 NC x 2-3/4 (3)
	103 321	WASHER, lock - 3/8 (3)
1		HOUSING, valve)
2		PLUNGER, speed change) Order
3		PLUNGER, forward & reverse) 144 416 H1) Valve
4		PLUNGER, special)
5	310 796 R1	SEAL, wiper (3)
6	176 418 H1	WASHER (2)
7	176 144 H1	SPACER
8	180 940 H1	SPRING
9	206 228 H1	SCREW
10	176 142 H1	PLUG
11	368 269 R1	"O" RING
12	176 145 H1	PIN
13	359 158 R1	"O" RING
14	176 143 H1	PLUG, adapter
15	350 818 R1	"O" RING (3)
16	129 646 H1	BALL (8)
17	144 633 H1	PLUG, detent
18	144 635 H1	CAM, detent (2)
19	119 183 H1	SPRING (2)
20	136 366 H1	RING, snap (2)
21	144 634 H1	PLUG, detent
22	136 363 H1	SCREW, cap-socket head
23	9 410 359	PLUG
24	570 828 R1	"O" RING
	179 850	SCREW, cap - 3/8NC x 2-3/4 (3)) Valve to Trans-
	103 321	WASHER, lock - 3/8 (3)) mission
*25	186 242 H1	CYLINDER, air
	103 884	PLUG
26	355 966 R1	"O" RING, ports to transmission (6)
27		(Not Used)
28		(Not Used)

*Replaced with PLUG 445 686 on later units.

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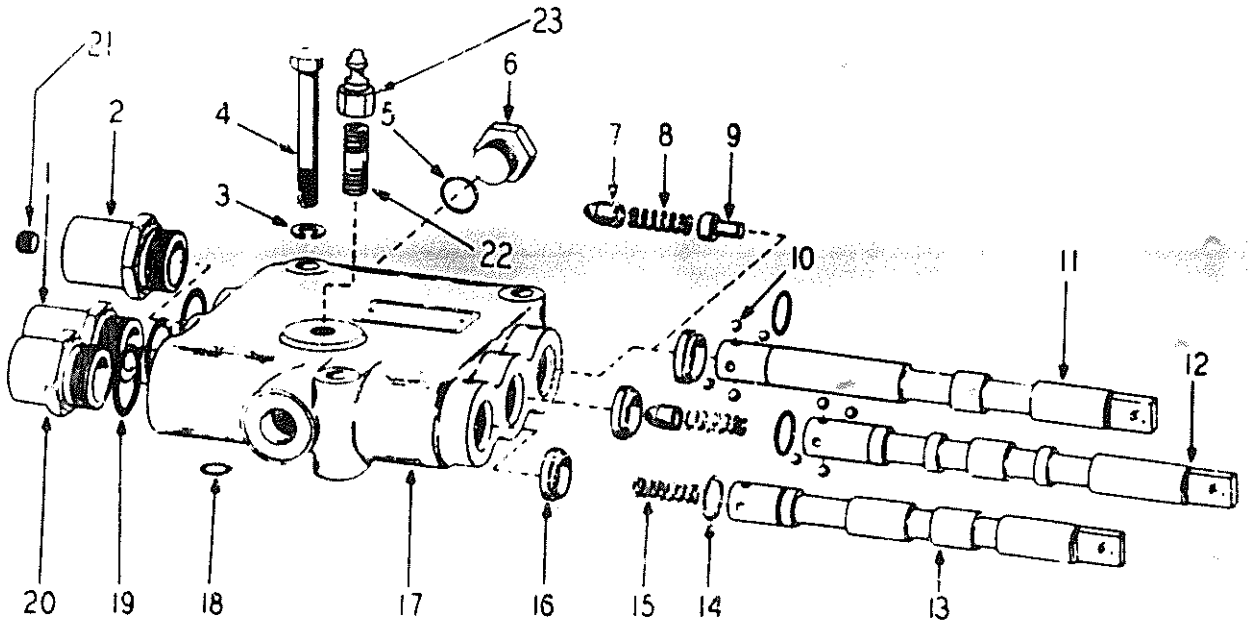
DRIVE TRAIN



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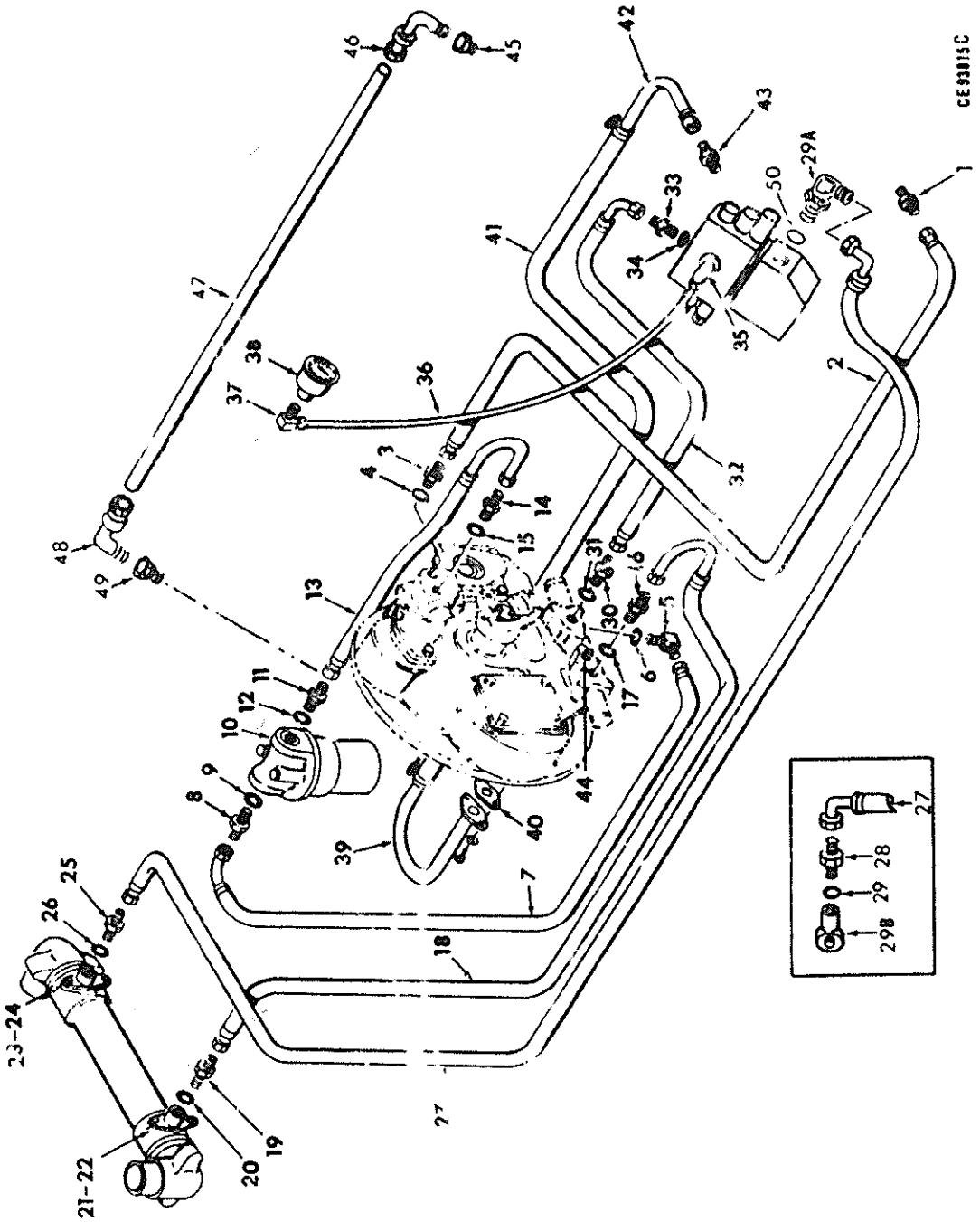
TRANSMISSION VALVES

REF. NO.	PART NUMBER	DESCRIPTION
	144 416 H1	TRANSMISSION CONTROL VALVE (Includes Items 1, 2, 5 thru 17, 19 and 20)
1	144 635 H1	PLUG, Detent, Forward & Reverse
2	144 634 H1	PLUG, Detent, Speed Range
3	903 321	WASHER, Lock - 3/8" (3)
4	179 850	SCREW, Cap - 3/8 x 2-3/4" NC (3)
5	970 428 R1	"O" RING
6	136 361 H1	PLUG
7	144 635 H1	CAM, Detent (2)
8	119 183 H1	SPRING, Detent (2)
9	136 363 H1	PLUG, Plunger 5/16 NC x 11/16 Soc-hex-hd
9	927 977 C1	PLUG, Plunger 3/8 NF x 13/16 SLT-F-HD
10	129 646 H1	BALL, 5/16" Dia. (8)
11		PLUNGER, Speed range } Order
12		PLUNGER, Forward & Reverse } 144 416 H1
13		PLUNGER, Brake } Valve
14	136 366 H1	RING, Retaining (3)
15	139 389 H1	SPRING, Plunger
16	124 516 H1	SEAL, Oil (3)
17		HOUSING, Valve (Order Valve 144 416 H1)
18	355 966 R1	"O" RING (6)
19	350 818 R1	"O" RING (3)
20	139 [illegible] H1	PLUG, Detent, Brake
21	445 686	PLUG
22		(Not Used)
23		(Not Used)



TRANSMISSION & TORQUE CONVERTER LINES

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DRIVE TRAIN

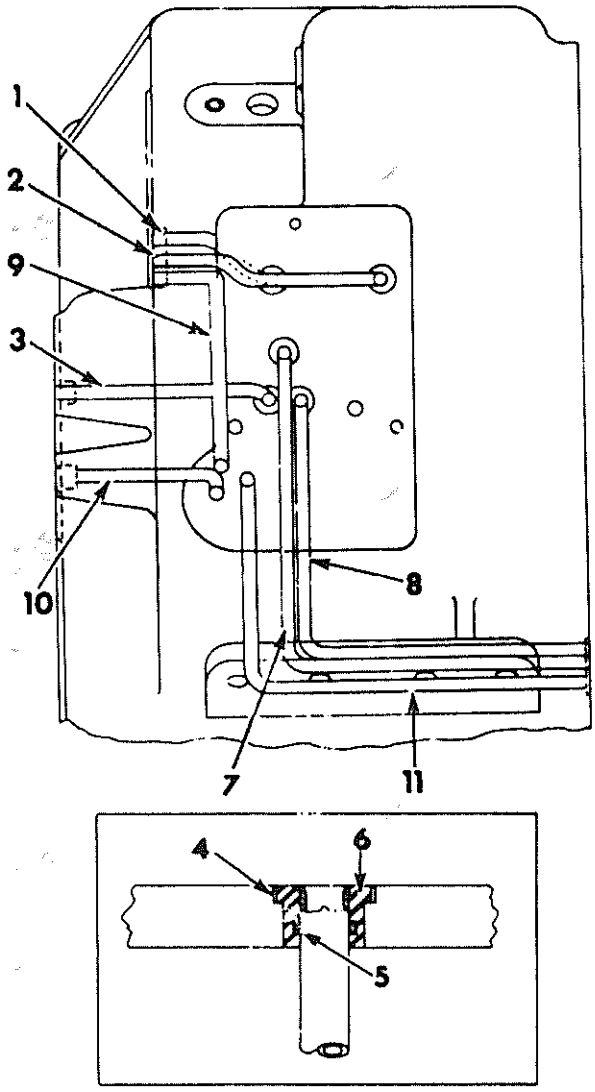
TRANSMISSION & TORQUE CONVERTER LINES

REF. NO.	PART NUMBER	DESCRIPTION
		LINE - TRANSMISSION TO PUMP
1	9402713	CONNECTOR
2	881002C1	HOSE
	164571H1	CLIP
	179839	SCREW, Cap - 3/8 NC x 1
	102635	NUT - 3/8 NC
	103321	WASHER, Lock - 3/8
	106263	WASHER, Flat - 3/8
3	9410207	UNION
4	876110C1	"O" RING
		LINE - CONVERTER TO FILTER
5	9410981	ELBOW, 90°
6	876110C1	"O" RING
7	881003C1	HOSE
8	9410207	UNION
9	876110C1	"O" RING
	164571H1	CLIP
10		FILTER (Refer to Oil Filter, Converter)
		LINE - FILTER TO PUMP
11	9410207	UNION
12	876110C1	"O" RING
13	881012C1	HOSE
14	9410207	UNION
15	876110C1	"O" RING
		LINE - CONVERTER TO COOLER
16	9410205	UNION
17	876108C1	"O" RING
18	882420	HOSE
19	9410205	UNION
20	876108C1	"O" RING
	138793H1	CLAMP (2)
21	880365C1	FLANGE
	179819	SCREW, Cap - 5/16 NC x 1-1/8 (2)
	103320	WASHER, Lock 5/16 (2)
22	880368C1	GASKET
		LINE - COOLER TO TRANSMISSION
23	880365C1	FLANGE
	179819	SCREW, Cap - 5/16 NC x 1-1/8 (2)
	103320	WASHER, Lock - 5/16 (2)
24	88368C1	GASKET
25	9410205	UNION
26	876108C1	"O" RING
27	882419C1	HOSE
	138793H1	CLAMP (3)
	102635	NUT, 3/8 NC (3)
	103321	WASHER, Lock - 3/8 (3)
	106263	WASHER, Flat - 3/8 (3)
28	878164C1	UNION (05076 & below)
29	876107C1	"O" RING (05076 & below)
		LINE - CONVERTER TO TRANSMISSION VALVE
29A	150776C91	ELBOW (S/N 05077 & up)
29B		MANIFOLD, Lube (Refer to Trans. Section)
30	9411105	ELBOW, 45°
31	876106C1	"O" RING
32	883064C1	HOSE
33	9410203	UNION
34	876106C1	"O" RING
		LINE - TRANSMISSION TO GAUGE
*35	140363H1	ELBOW
*36	132963H1	TUBE
*37	137486H1	ELBOW
*38	188328H1	GAUGE, Pressure
*	144279H1	CLAMP (3)
		LINE - CONVERTER TO TRANSMISSION SUMP
39	881006C2	TUBE
40	881009C1	GASKET
	179796	SCREW, Cap - 1/4 NC x 7/8 (2)
	103319	WASHER, Lock - 1/4 (2)
	881091C1	SUPPORT
	HL-3551	CLIP
	179837	SCREW, Cap - 3/8 NC x 3/4
	103321	WASHER, Lock - 3/8
	102635	NUT, 3/8 NC
41	881005C1	HOSE
	311164C91	CLAMP (2)
	164571H1	CLIP
	181356	SCREW, Cap - 3/8 NF x 5/8
	103321	WASHER, Lock - 3/8
42	881010C1	TUBE
43	9402713	CONNECTOR PRESSURE GAUGE CONNECTION
44	9410356	PLUG, On Converter
	369751R1	"O" RING
		LINE - TRANSMISSION TO FLYWHEEL
45	893 009 C1	PLUG, Reducer
46	175 775 H1	ELBOW
47		TUBE, Nylon w/o Tube Nuts (cut length 1/4" O. D. x 60" long) (cut from bulk Tube, 417 196 C1)
	29 898 D	NUT, Tube (2)
48	175775H1	ELBOW
49	141539	ADAPTER, Reducer 1/4 x 1/8
50	296247R1	"O" RING (S/N 05077 & up)
	417196C1	TUBE, bulk 1/4" O. D. x 50 ft. (#) (x)

Part Number and Price covers one foot of bulk item.

* Note: Items #35, 36, 37 and 38 were replaced on later models with plug 444 576.

REF. NO.	PART NUMBER	DESCRIPTION



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MAIN HOUSING AND TUBE ASSEMBLY (P-601)

REF. NO.	PART NUMBER	DESCRIPTION
	160 000 H3	HOUSING, Main (See Note # 1)
		(Order the following parts -
		1 BOLT 138 304
		1 BOLT 179 877
		1 HOUSING 922 326 C91
		1 "O" RING 370 920 R1
		1 SHAFT 922 536 C1
		1 WASHER 396 323 R1)
	922 326 C91	HOUSING, Main (See Note # 2)
		(Consists of the following parts -
	926 293 C91	HOUSING, Main (See Note # 3)
		(Consists of the following parts -
1	125 511 H1	TUBE, Forward
2	125 512 H1	TUBE, Reverse
3	125 513 H1	TUBE, First
4	146 898 H1	WASHER, Seal (10)
5	355 967 R1	"O" Ring (16)
6	125 509 H1	BUSHING (16)
7	125 517 H1	TUBE, Second
8	125 518 H1	TUBE, Third
9	125 515 H1	TUBE, Forward & Reverse Lubrication
10	125 514 H1	TUBE, First Lubrication
11	125 516 H1	TUBE, Second & Third Lubrication

Note # 1 (Used on units with Transmission 880 991 C97 and below)

Note # 2 (Used only for service on units equipped with 160 000 H3 Housing)

Note # 3 (Used on units with Transmission 926 237 C 92 & 926 292 C92 only)

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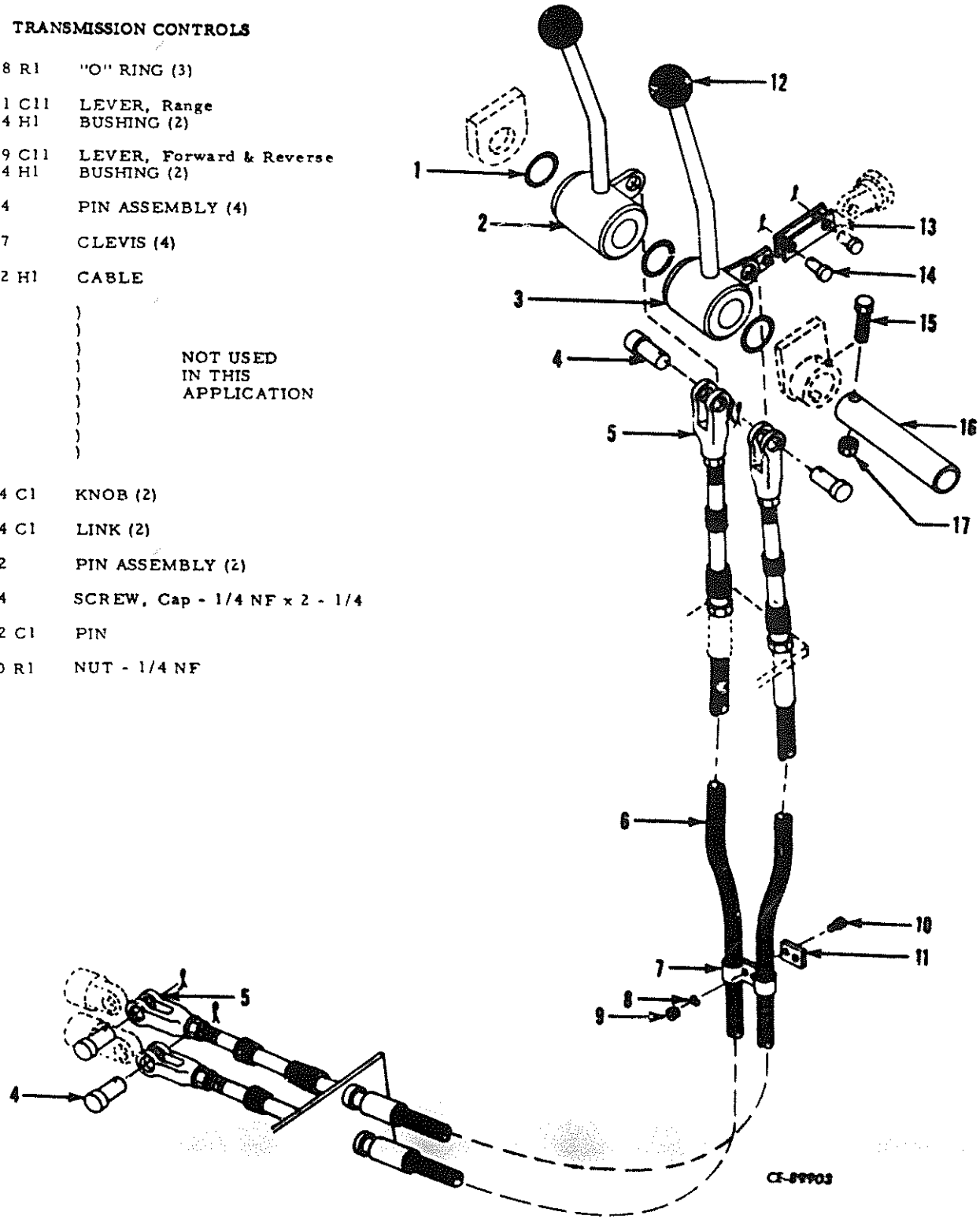
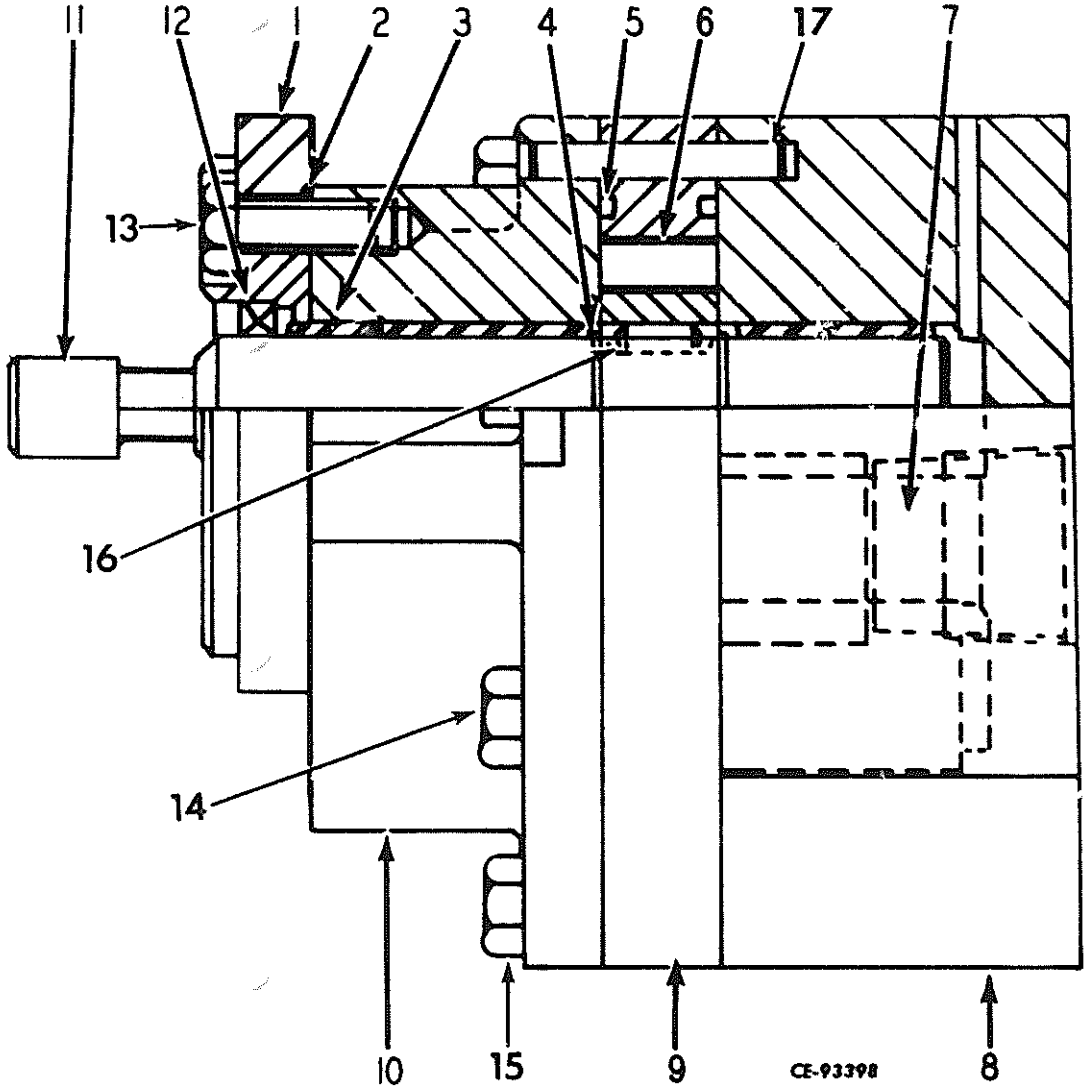
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
		TRANSMISSION CONTROLS
1	22 288 R1	"O" RING (3)
2	880 711 C11	LEVER, Range
	144 244 H1	BUSHING (2)
3	880 709 C11	LEVER, Forward & Reverse
	144 244 H1	BUSHING (2)
4	114 784	PIN ASSEMBLY (4)
5	104 037	CLEVIS (4)
6	214 392 H1	CABLE
7		)
8		) NOT USED
9		) IN THIS
10		) APPLICATION
11		)
12	923 134 C1	KNOB (2)
13	880 134 C1	LINK (2)
14	114 782	PIN ASSEMBLY (2)
15	181 324	SCREW, Cap - 1/4 NF x 2 - 1/4
16	880 132 C1	PIN
17	20 090 R1	NUT - 1/4 NF



DRIVE TRAIN

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



CONVERTER PUMP

	883157C91	PUMP, Converter
1	877639C1	FLANGE
2	877642C1	GASKET
3	877644C1	RING, Locating
4	591891R1	RING, Retaining (4)
5	22283R1	"O" RING (2)
6	883160C1	GEAR (2)
7	883159C1	SHAFT, Idler
8	877637C1	END PLATE
9	883161C1	CASE
10	883162C1	PLATE, Drive Assembly
11	883163C1	SHAFT, Drive
12	877635C91	SEAL
13	23537R1	SCREW, Socket Head (3)
14	179849	SCREW, Cap - 3/8 NC x 2-1/2 (4)
15	179847	SCREW, Cap - 3/8 NC x 2 (1)
16	887178C1	PIN, Roll (2)
17	20040R1	PIN, Lock (4)

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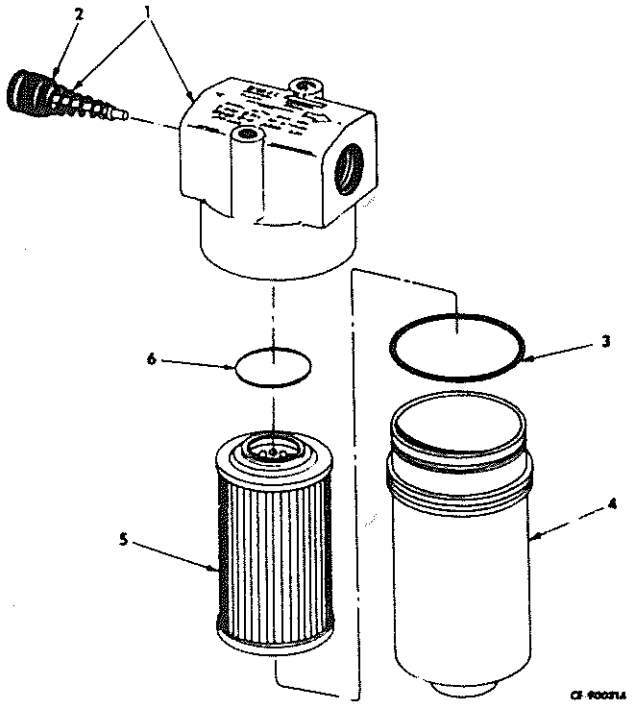
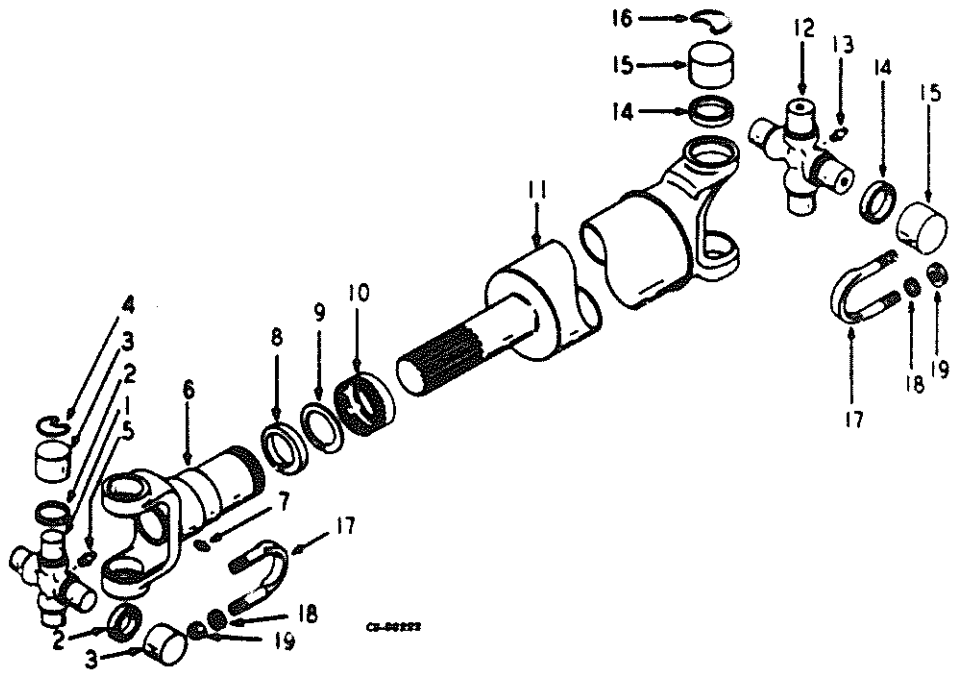
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION



OIL FILTER, CONVERTER

	883156C91	FILTER (Includes the following)
	179880	BOLT, 1/2 NC x 7/8 (2)
	103323	WASHER, Lock - 1/2 (2)
1		HEAD ASSEMBLY (Not furnished separately)
2		BY-PASS ASSEMBLY (Not furnished separately)
3	354836R1	SEAL, Housing
4		HOUSING (Not furnished separately)
5	884879C1	ELEMENT, With Item 6
6	252483R1	SEAL, Element

DRIVE TRAIN



DRIVE SHAFT (CONVERTER TO TRANSMISSION)

REF. NO.	PART NUMBER	DESCRIPTION
	880 857 C91	SHAFT, Drive
	127 573 R91	JOURNAL & BEARING KIT (Includes next 5 items)
1		CROSS (Not furnished separately)
2		GASKET (4) (Not furnished separately)
3		BEARING (Not furnished separately)
4	645 141 R1	RING, Snap (4)
5	109 454	FITTING, Grease
6		SLEEVE (Not furnished separately)
7	109 454	FITTING, Grease
8	645 147 R1	WASHER, Cork
9	645 148 R1	WASHER, Steel
10	645 146 R1	CAP, Dust

REF. NO.	PART NUMBER	DESCRIPTION
		SHAFT (Not furnished separately)
	127 573 R91	JOURNAL & BEARING KIT (Includes next 5 items)
12		CROSS (Not furnished separately)
13	109 454	FITTING, Grease
14		GASKET (4) (Not furnished separately)
15		BEARING (4) (Not furnished separately)
16	645 141 R1	RING, Snap (4)
17	151 799 H1	"U" BOLT (4)
18		(Not Used in This Application)
19	17 234 R1	NUT, Jam - 1/8 NF (8)

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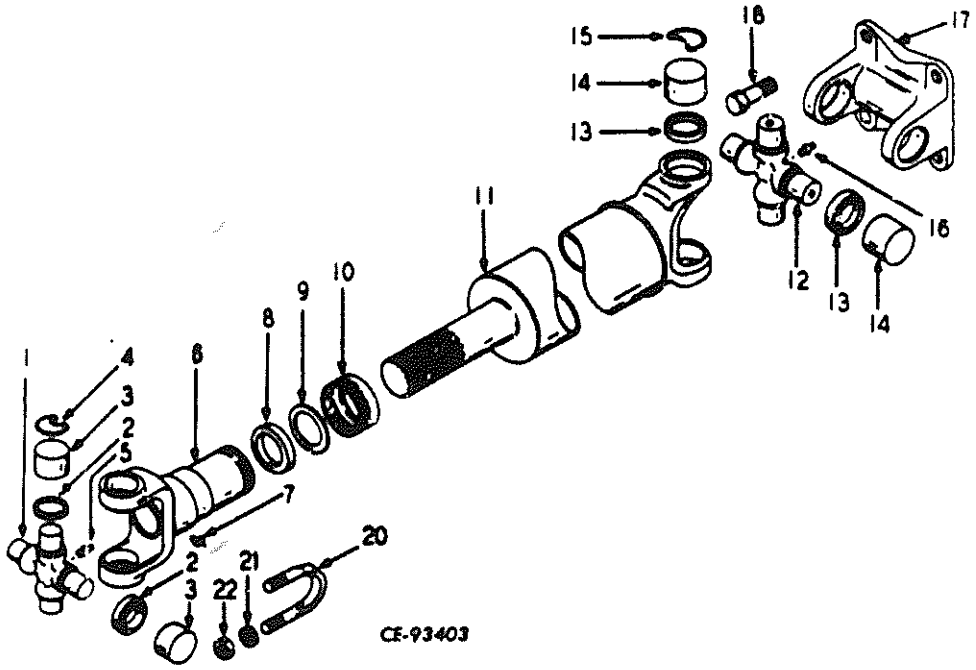
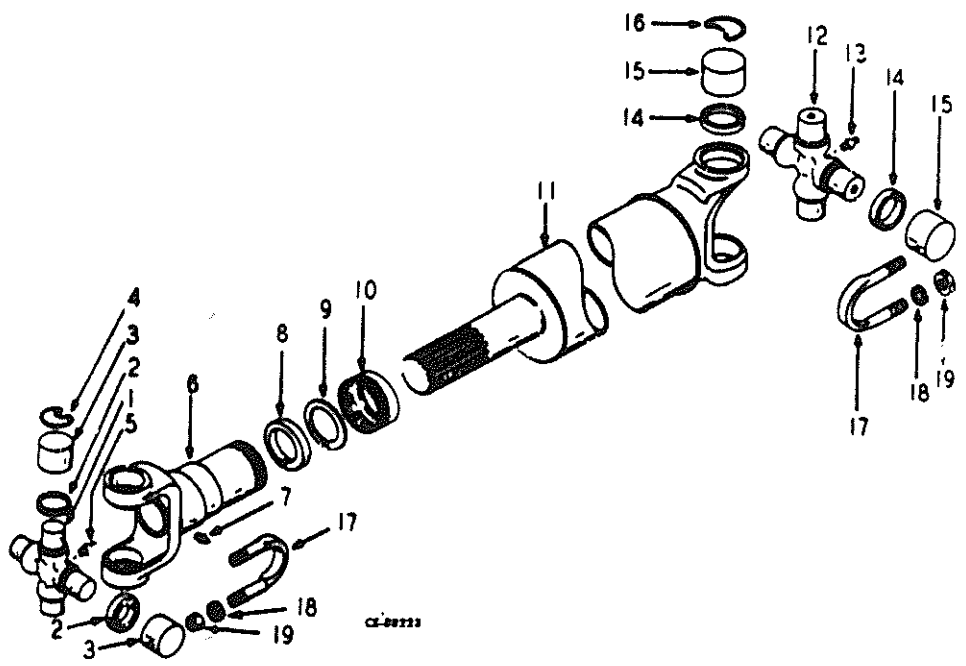
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION



DRIVE SHAFT (TRANSMISSION TO FRONT AXLE)

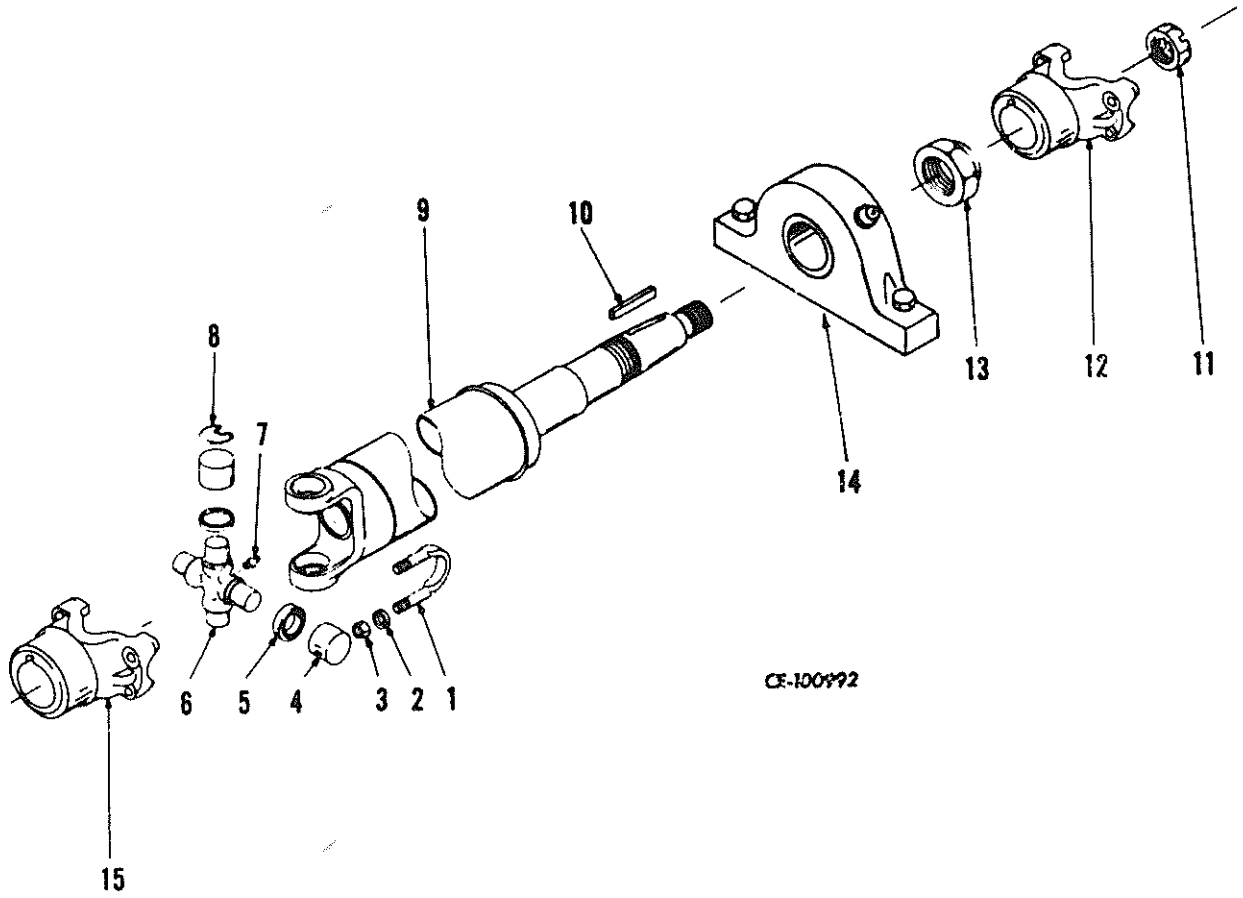
	893070C92	SHAFT, Drive (Includes Items 1 thru 16)
	154073H1	JOURNAL & BEARING KIT (Includes next 5 items)
1		CROSS (Not furnished separately)
2	913716R1	GASKET (4)
3		BEARING (4) (Not furnished separately)
4	154074H1	RING, Snap (4)
5	109454	FITTING, Grease
6		SLEEVE (Not furnished separately)
7	109454	FITTING, Grease
8	154078H1	WASHER, Cork
9	53890V	WASHER, Steel
10	154076H1	CAP, Dust
11		SHAFT (Not furnished separately)
	154073H1	JOURNAL & BEARING KIT (Includes next 5 items)
12		CROSS (Not furnished separately)
13	913716R1	GASKET
14		BEARING (Not furnished separately)
15	154074H1	RING, Snap
16	109454	FITTING, Grease
17	158031H1	FLANGE, Yoke
18	181430	SCREW, Cap - 1/2 NF x 1/2 NF x 1-3/8 (4)
19		
20	204138R1	"U" BOLT (2)
21		(Not Used In This Application)
22	452489R1	NUT, Jam - 7/16 NF (4)



DRIVE SHAFT (TRANSMISSION TO WINCH CENTER BEARING)
Used On S/N 5056 & Up

	921252C91	SHAFT, Drive (Includes Items 1 thru 17)	11		SHAFT (Not furnished separately)
	127573R91	JOURNAL & BEARING KIT (Includes next 5 items)		127573R91	JOURNAL & BEARING KIT (Includes next 5 items)
1		CROSS (Not furnished separately)	12		CROSS (Not furnished separately)
2		GASKET (Not furnished separately) (4)	13	109454	FITTING, Grease
3		BEARING (Not furnished separately) (4)	14		GASKET (Not furnished separately) (4)
4	645141R1	RING, Snap (4)	15		BEARING (Not furnished separately) (4)
5	109454	FITTING, Grease	16	645141R1	RING SNAP (4)
	884857C91	SLEEVE YOKE & SHAFT ASSEMBLY (Includes next 6 items)	17	151799H1	"U" BOLT (2)
6		SLEEVE (Not furnished separately)	18		Not Used
7	109454	FITTING, Grease	19	17234R1	NUT, Jam - 3/8 NF (4)
8	645147R1	WASHER, Cork			
9	645148R1	WASHER, Steel			
10	645146R1	CAP, Dust			

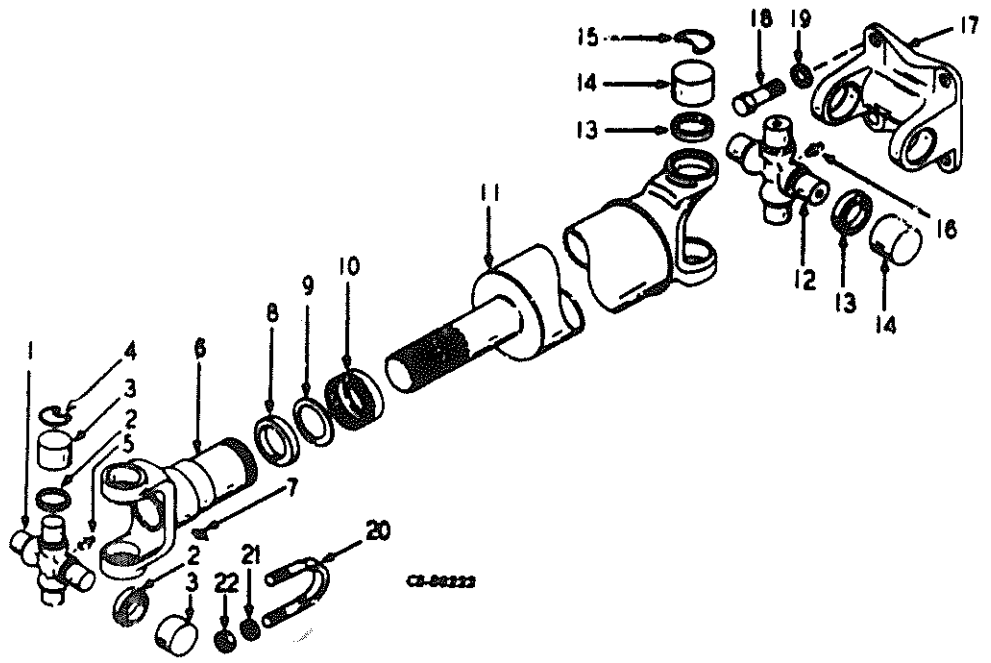
DRIVE TRAIN



DRIVE SHAFT (CENTER BEARING TO WINCH)
Used On S/N 5056 & Up

REF. NO.	PART NUMBER	DESCRIPTION
	921240C91	SHAFT, Drive (Includes Items 3A thru 9)
1	151799H1	"U" BOLT (2)
2	103321	WASHER, Lock (4)
3	103026	NUT, 3/8 NF (4)
3A	203791H1	JOURNAL & BEARING KIT (Includes next 3 items)
4		BEARING (Not furnished separately) (4)
5	127556R91	GASKET (4)
6		CROSS (Not furnished separately)
7	109454	FITTING, Grease
8	645141R1	RING, Snap (4)
9		SHAFT (Not furnished separately)
10	203797H1	KEY, Shaft
11	645236R1	NUT, Shaft
	103386	PIN, Cotter
12	921239C1	YOKE
13	18583R1	NUT, 1-1/2 NF
14	921294C91	FLANGE, Center Bearing
	181435	SCREW, Cap - 1/2 NF x 2 (2)
	18452R1	NUT, Jam - 1/2 NF (2)
15	216837H1	YOKE

DRIVE TRAIN



DRIVE SHAFT (TRANSMISSION TO WINCH)
Used On S/N 5055 & Below

REF. NO.	PART NUMBER	DESCRIPTION
	880855C91	SHAFT, Drive (Includes Items 1 thru 17)
	127573R91	JOURNAL & BEARING KIT (Includes next 5 items)
1		CROSS (Not furnished separately)
2		GASKET (Not furnished separately)(4)
3		BEARING (Not furnished separately)(4)
4	645141R1	RING, Snap (4)
5	109454	FITTING, Grease
6		SLEEVE (Not furnished separately)
7	109454	FITTING, Grease
8	645147R1	WASHER, Cork
9	154085H1	WASHER, Steel
10	154084H1	CAP, Dust
11		SHAFT (Not furnished separately)
	127573R91	JOURNAL & BEARING KIT (Includes next 5 items)
12		CROSS (Not furnished separately)
13		GASKET (Not furnished separately) (4)
14		BEARING (Not furnished separately) (4)
15	645141R1	RING SNAP (4)
16	109454	FITTING, Grease
17	646516R1	FLANGE, Yoke
18	179858	SCREW, Cap [illegible] (4)
19	103322	WASHER, Lock
20	151799H1	"U" BOLT (2)
21		Not Used
22	17234R1	NUT, Jam - 3/8 NF (4)

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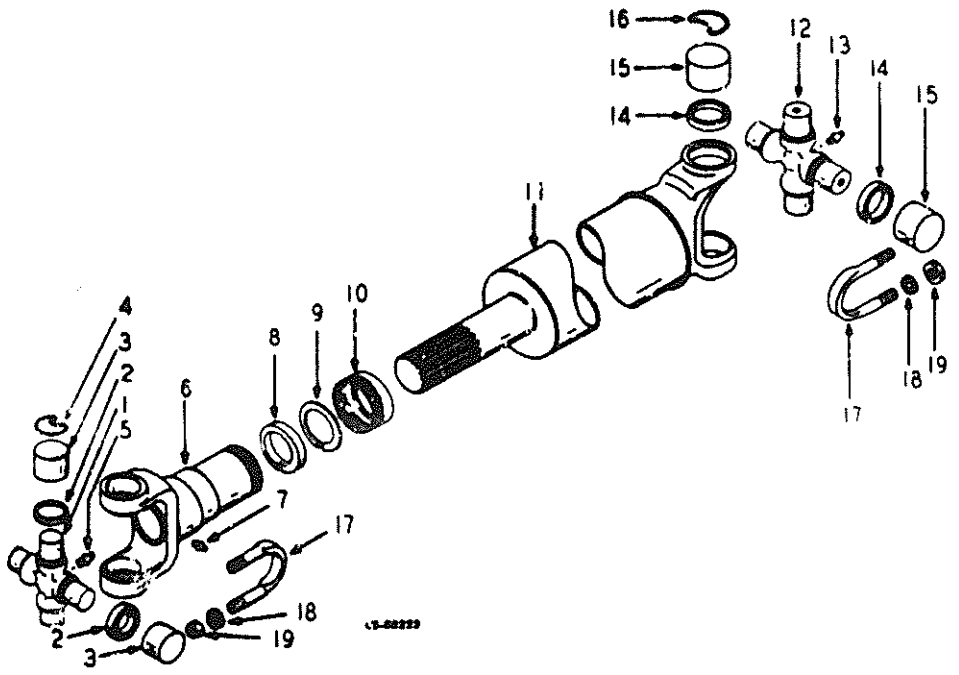
DRIVE TRAIN

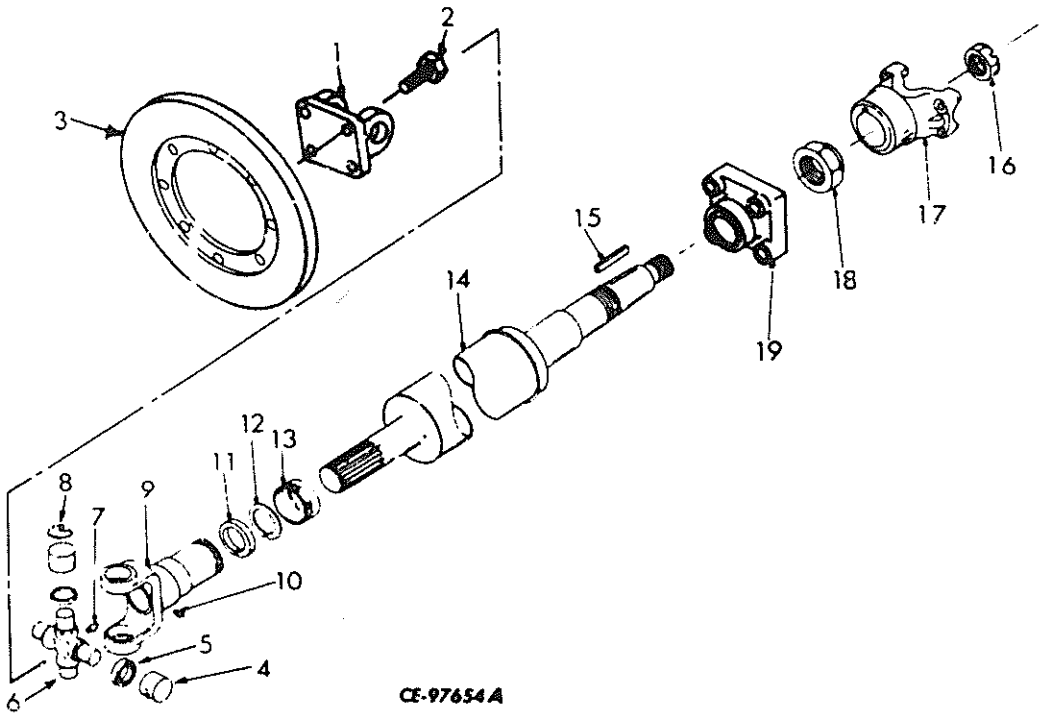
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION



DRIVE SHAFT (TRANSMISSION TO CENTER BEARING)

	880853C91	SHAFT, Drive (Includes Items 1 thru 16)	10	154076H1	CAP, Dust
	158746H1	JOURNAL & BEARING KIT (Includes next 5 items)	11		SHAFT (Not furnished separately)
1		CROSS (Not furnished separately)	12		CROSS (Not furnished separately)
2	913716R1	GASKET (4)	13	109454	FITTING, Grease
3		BEARING (Not furnished separately) (4)	14	913716R1	GASKET (4)
4	347320R1	RING, Snap (4)	15		BEARING (Not furnished separately) (4)
5	109454	FITTING, Grease	16	347320R1	RING, Snap
6		SLEEVE (Not furnished separately)	17	204138R1	"U" BOLT (4)
7	109461	FITTING, Grease	18		(Not Used In This Application)
8	158745H1	WASHER, Cork	19	452489R1	NUT, Jam - 7/16 NF (8)
9	53890V	WASHER, Steel			

DRIVE TRAIN



DRIVE SHAFT (CENTER BEARING TO REAR AXLE)

REF. NO.	PART NUMBER	DESCRIPTION
	894341C91	SHAFT, Drive (Includes items 1, 4 thru 19)
1	213880R1	FLANGE
2	19993R1	BOLT, 1/2 NF x 2-1/2, GR 8 (4)
	18594R1	NUT, 1/2 NF ESNA (4)
3		DISC, BRAKE (Refer to Rear Brake Mounting & Related Parts)
	158746H1	JOURNAL & BEARING KIT (Includes next 3 items)
4		BEARING (Not furnished separately) (4)
5	913716R1	GASKET (4)
6		CROSS (Not furnished separately)
7	109454	FITTING, Grease
8	347320R1	RING, Snap (4)
9		SLEEVE (Not furnished separately)
10	109454	FITTING, Grease
11	158745H1	WASHER, Cork
12	53890V	WASHER, Steel
13	154076H1	CAP, Dust
14		SHAFT (Not furnished separately)
15	203797H1	KEY, Shaft
16	645236R1	NUT, Shaft
	103388	PIN, Cotter
17	880854C1	YOKE
18	18583R1	NUT, 1-1/2 NF
19	196175H1	FLANGE, Center Bearing
	181435	SCREW, Cap - 1/2 NF x 2 (4)
	18452R1	NUT, Jam - 1/2 NF (4)

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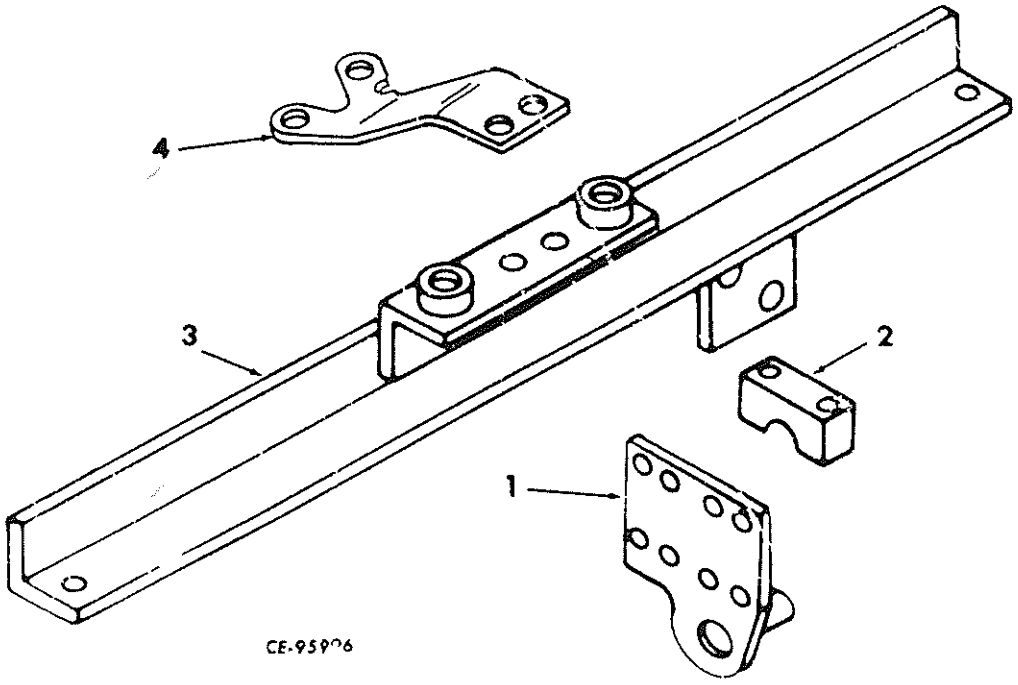
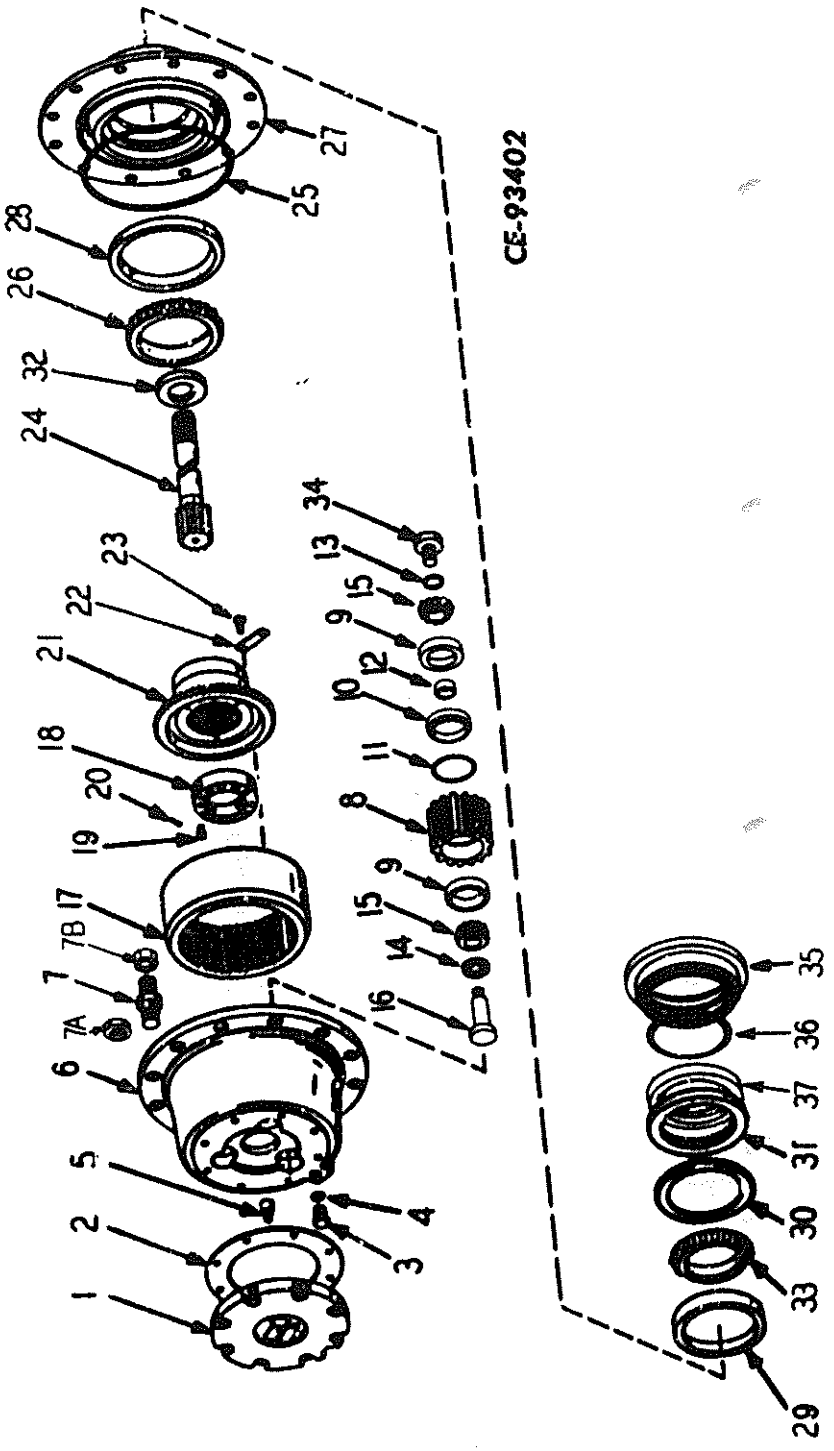
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION



TRANSMISSION MOUNTING

1	894931C1	MOUNTING BRACKET R. H.
	179887	SCREW, Cap - 1/2 NC x 1-3/8 (8)
	103323	WASHER, Lock - 1/2 (8)
1	923340C1	MOUNTING BRACKET L. H.
	181436	SCREW, Cap - 1/2 NF x 2 (8)
	18452R1	NUT - 1/2 NF (8)
2	21[illegible]	CAP, Mount
	[illegible]	SCREW, Cap - 1/2 NF x 2[illegible] (4)
	103323	WASHER, Lock - 1/2 (4)
3	880712C1	CROSS, Member
	181433	SCREW, Cap - 1/2 NF x 1-3/4 (2)
	103323	WASHER, Lock - 1/2 (2)
	103028	NUT - 1/2 NF (2)
	103343	WASHER, Flat - 1/2 (2)
4	890285C2	SUPPORT, Transmission Top
	103323	WASHER, Lock - 1/2 (2)
	179885	SCREW, Cap - 1/2 NC x 1-1/8 (2)
	181433	SCREW, Cap - 1/2 NF x 1-3/4 (2)
	18452R1	NUT - 1/2 NF (2)



AXLE SHAFT, HUB & RELATED PARTS

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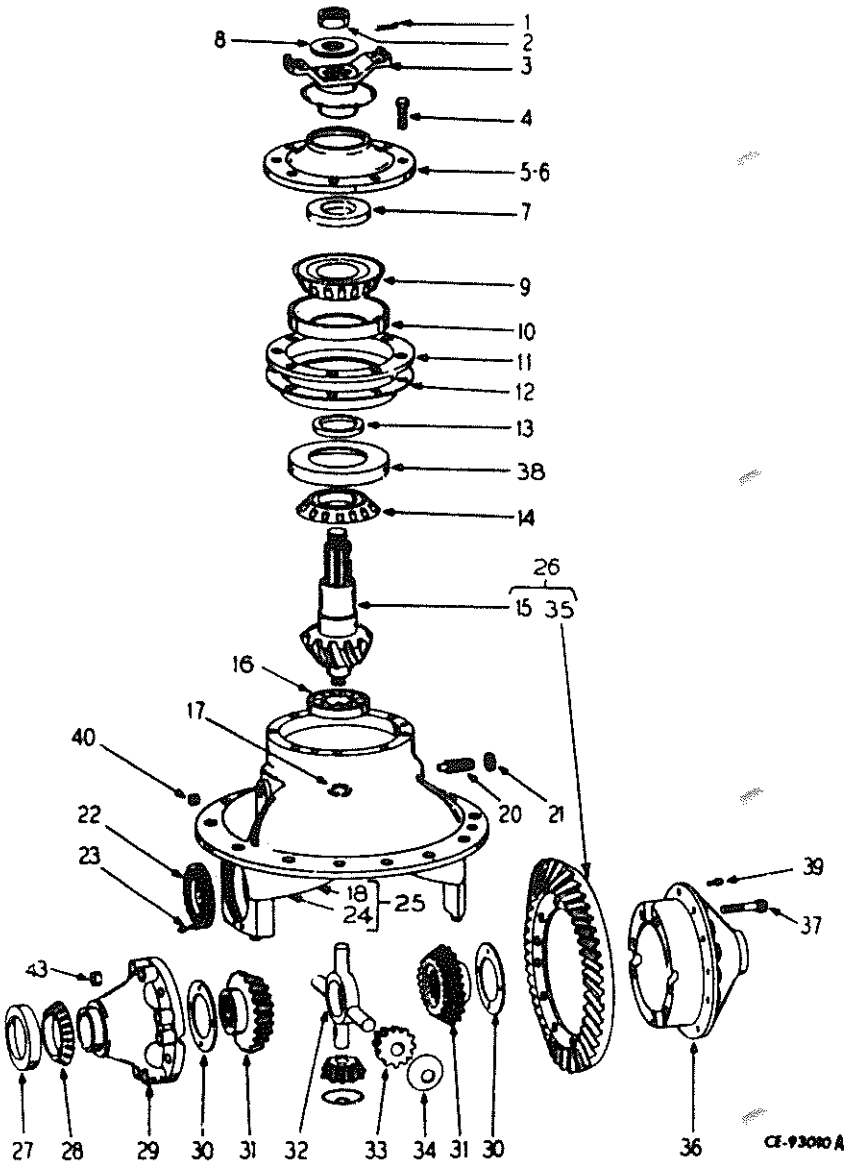
DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION
		AXLE SHAFT, HUB & RELATED PARTS
1	885632C1	COVER, Planet carrier (2) (Axle S/N 196 and below)
1	929475C1	COVER, Planet carrier (2) (Axle S/N 197 and up)
	887405C1	SCREW, Cap - 3/8 NC x 1 (16)
2	193277H1	GASKET (2)
3	190302H1	PLUG (2)
4	570828R1	"O" RING (2)
5		Not Used
	193278H8	CARRIER & GEAR ASSEMBLY (includes Items 6, 8 thru 16 and 34) (2)
6	193285H4	CARRIER (2)
	311269R1	SCREW, Cap - 3/8 NC x 1/2 (2)
	881370C1	WIRE, Lock - #16 x 32
7	881412C1	STUD (4)
	183858H2	STUD (28)
7A	209564H1	NUT, Wheel - 3/4 NF (32)
7B	18444R1	NUT, Jam - 3/4 NC (4)
	193279H1	PLANETARY GEAR & CUP ASSEMBLY (Includes Items 8 thru 11) (3)
8	193281H1	PINION, Planetary
9	193282H1	CUP, Roller Bearing (2)
10	193283H1	SPACER
11	304834R1	RING, Retaining
12	221006H1	SPACER (3)
13	221005H1	SPACER (3)
14	221007H1	SPACER (3)
15	193287H1	CONE, Roller Bearing (6)
16	220972H3	SHAFT, Pinion (3)
	19841R1	DOWEL (3)
17	193290H3	GEAR, Ring (2)
18	214538H1	RETAINER (2)
	197628H1	SHIM (.005) (AR)
	197629H1	SHIM (.020) (AR)
19	875913C1	SCREW, Cap - 3/8 NC x 1 (24)
20	876022C1	WIRE, Lock - #16 x 20 (2)
21	193291H1	HUB, Planetary Ring Gear (Includes Item 26) (2)
22	204678H3	PLATE, Lock (8)
23	23194R1	SCREW, 5/16 NC x 5/8 Hex lock (16)
24	213086H1	SHAFT, Axle (2)
25	193310H1	RING, Seal (2)
26	62873R91	CONE, Roller Bearing
	881408C92	HUB & BEARING ASSEMBLY (2) (Includes Items 27, 28, 29, 30, 31 and 33)
27	193299H2	HUB, Wheel
28	610161C1	CUP, Roller Bearing
29	62874R1	CUP, Roller Bearing
30	193302H1	SPACER
31	222101H1	SEAL, Oil (2)
32	203748H1	SEAL, Oil (2) (Axle S/N 197 and below)
33	210176H1	CONE, Roller Bearing
34	891006C1	BOLT (Special) (3)
35	881409C1	RETAINER (2)
	179860	SCREW, Cap - 7/16 NC x 1-1/4 (6)
36	22289R1	"O" RING (2)
37	892302C1	RETAINER SEAL (2)



FRONT AXLE - DIFFERENTIAL

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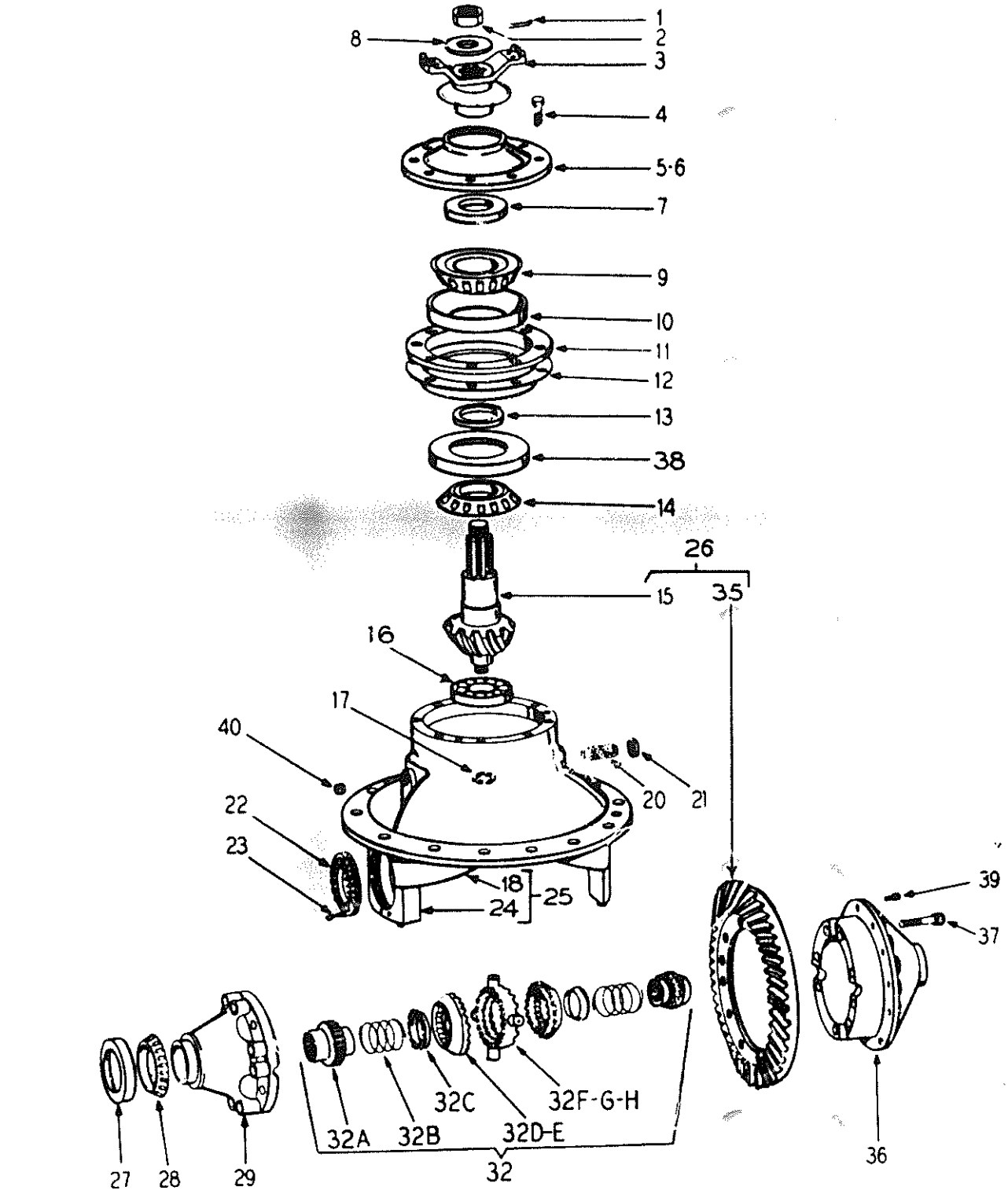
REF NO.	PART NUMBER	DESCRIPTION
		FRONT AXLE - DIFFERENTIAL
	216838H2	DIFFERENTIAL, Front (Includes the following)
	885651C91	DRIVE GEAR & PINION ASSEMBLY (Includes 137216H2 and Items 26, 28 and 39)
	137216H2	DIFFERENTIAL ASSEMBLY (Includes 127047H2 and Items 29 thru 34, 36, 37 and 42)
	127047H2	DIFFERENTIAL CASE ASSEMBLY (Includes Items 29, 36, 37 & 42)
1		Not Used
2	447873C1	NUT, Lock
3	156773H1	YOKE & SLINGER
4	354388R1	SCREW, Cap - 7/16 NC x 1-3/4 (8)
5	127064H1	COVER & SEAL ASSEMBLY (Includes Item 7)
6	127078H1	GASKET
7	894225C91	SEAL
8	127079H1	WASHER
9	215440H1	CONE, Outer
10	370631C1	CUP
11	137501H1	CAGE & CUP ASSEMBLY (Includes Items 10 and 38)
12	127251H1	SHIM (.005) (x)
	136784H1	SHIM (.010) (x)
	127250H1	SHIM (.003) (x)
13	127067H1	SPACER (.219) (x)
	127068H1	SPACER (.220) (x)
	127069H1	SPACER (.221) (x)
	127070H1	SPACER (.222) (x)
	127071H1	SPACER (.224) (x)
	127072H1	SPACER (.225) (x)
	127073H1	SPACER (.230) (x)
	127074H1	SPACER (.236) (x)
	127075H1	SPACER (.242) (x)
	127076H1	SPACER (.248) (x)
	127077H1	SPACER (.254) (x)
14	615427C91	CONE
15		PINION (Order 884321C91)
16	875419C91	BEARING
17	136999H1	RING, Lock
18		HOUSING, Carrier (not furnished separately)
	894921C1	SCREW, 1/2 NC x 1-3/4 hex-hd (4)
	922952C1	SCREW, 1/2 NC x 1-1/2 hex-hd (10)
20	882034C1	SCREW, Thrust
21	136786H1	NUT
22	136783H1	RING, Adjust (2)
23	683774R1	PIN, Cotter (2)
24		BEARING, Cap (not furnished separately)
	73311R1	DOWEL (2)
	136770H1	SCREW (4)
	226846R1	WASHER (4)
25	216839H1	HOUSING & BEARING CAP ASS'Y.
26	884321C91	GEAR & PINION, Set
27	108326H	CUP (2)
28	ST761A	BEARING (2)
29		CASE, Plain Half (Order 127047H2)
30	127056H1	WASHER (2)
31	136780H1	GEAR, Side (2)
32	127057H1	SPIDER
33	136778H1	PINION (4)
34	136779H1	WASHER (4)
35		GEAR (Order 884321C91)
36		CASE, Flange Half (Order 127047H2)
37	26571R1	BOLT, Long (8)
	213319R1	WASHER (8)
38	370631C1	CUP
39	143062H1	BOLT (12)
	213524R1	WASHER (12)
	878157R1	NUT, Slt. (12)
		WIRE, Lock (16 ga. x 26" long) (cut from bulk WIRE 278027R1)
40	9409949	PLUG, Oil Filler & Level - 3/4
	207041H1	GASKET, Loctite (not part of Differential)
	278027R1	WIRE, Bulk Locking (16 ga.) 50 ft.

(x) - As Required



CE-93009 B

REAR AXLE - DIFFERENTIAL

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DRIVE TRAIN

REAR AXLE - DIFFERENTIAL

REF. NO.	PART NUMBER	DESCRIPTION
#	924107C91	(+See Note)
*	886577C91	DIFFERENTIAL CARRIER ASSEMBLY (Includes the following)
	887865C91	DRIVE GEAR & PINION ASSEMBLY (Includes 887866C91 & Items 16, 17, 26 and 39)
	137216H2	DIFFERENTIAL ASSEMBLY (Includes 127047H2 & Items 30 thru 34 & 38)
	887866C91	DIFFERENTIAL & CASE ASSEMBLY (Includes 127047H2 & Item 38)
	127047H2	DIFFERENTIAL CASE ASSEMBLY (Includes Items 29, 36, 37 & 42)
* 1		Not Used
* 2	447873C1	NUT, Lock
* 2	20121R1	NUT
* 3	887867C91	YOKE & SLINGER ASSEMBLY (Includes next item)
	887868C1	SLINGER
* 3		FLANGE (Refer to Rear Axle Brake Mounting and related parts)
4	354388R1	SCREW, Cap - 7/16 NC x 1-3/4 (8)
# 4	23381R1	BOLT, 7/16 NC x 2-1/2 (8)
5	127064H1	COVER & SEAL ASSEMBLY (Includes Item 7)
6	127078H1	GASKET
7	894225C91	SEAL
8	127079H1	WASHER
9	215440H1	CONE, Outer
10	370631C1	CUP, Top
11	137501H1	CASE & CUP ASSEMBLY (Includes Items 10 and 38)
12	127251H1	SHIM (.005) (x)
	136784H1	SHIM (.010) (x)
	127250H1	SHIM (.003) (x)
13	127067H1	SPACER (.219) (x)
	127068H1	SPACER (.220) (x)
	127069H1	SPACER (.221) (x)
	127070H1	SPACER (.222) (x)
	127071H1	SPACER (.223) (x)
	127072H1	SPACER (.224) (x)
	127073H1	SPACER (.230) (x)
	127074H1	SPACER (.236) (x)
	127075H1	SPACER (.242) (x)
	127076H1	SPACER (.248) (x)
	127077H1	SPACER (.254) (x)
14	615427C91	CONE
15		PINION (Order 884321C91)
16	875419C91	BEARING
17	136999H1	RING, Lock
18		HOUSING, Carrier (not furnished separately)
	894921C1	SCREW, 1/2 NC x 1-3/4 hex hd (4)
	922952C1	SCREW, 1/2 NC x 1-1/4 hex hd (10)
20	882034C1	SCREW, Thrust
21	136786H1	NUT
22	136783H1	RING, Adjust (2)
23	683774R1	PIN, Cotter (2)
24		BEARING, Cap (not furnished separately)
	73311R1	DOWEL (2)
	136770H1	SCREW (4)
	226846R1	WASHER (4)
25	216839H1	HOUSING & BEARING CAP ASS'Y.
26	884321C91	GEAR & PINION SET
	876016C1	WIRE, Lock - #16 x 12 (2)
27	108326H	CUP (2)
28	ST761A	BEARING (2)
29		CASE, Plain Half (Order 127047H2)
30		Not used in this application
31		Not used in this application
32	379540C92	NO-SPIN ASSEMBLY (Includes Items 32A thru 32H)
32A	411883C1	GEAR (2)
32B	411884C1	SPRING (2)
32C	411882C1	RETAINER (2)
32D	411880C1	CLUTCH, Driven (2)
32E	411882C1	RING, Hold-Out (2)
	203062H1	SPIDER, SNAPRING & CAM ASS'Y. (Includes next 3 items)
32F	203063H1	SPIDER
32G	411881C1	RING, Snap
32H		CAM (Order 203062H1)
33		Not used in this application
34		Not used in this application
35		GEAR (Order 884321C91)
36		CASE, Flange Half (Order 127047H2)
37	26571R1	BOLT (8)
38	370631C1	CUP, Bottom
39	143062H1	BOLT (12)
	213524R1	WASHER (12)
	878157C1	NUT, Slt. (12)
		WIRE, Lock (16 ga. x 26" long) (cut from bulk WIRE, 278027R1)
40	9409949	PLUG, Oil Filler & Level - 3/4
	207041H1	GASKET (not part of Differential Assembly)
	278027R1	WIRE, Bulk Locking (16 ga.) 50 ft.

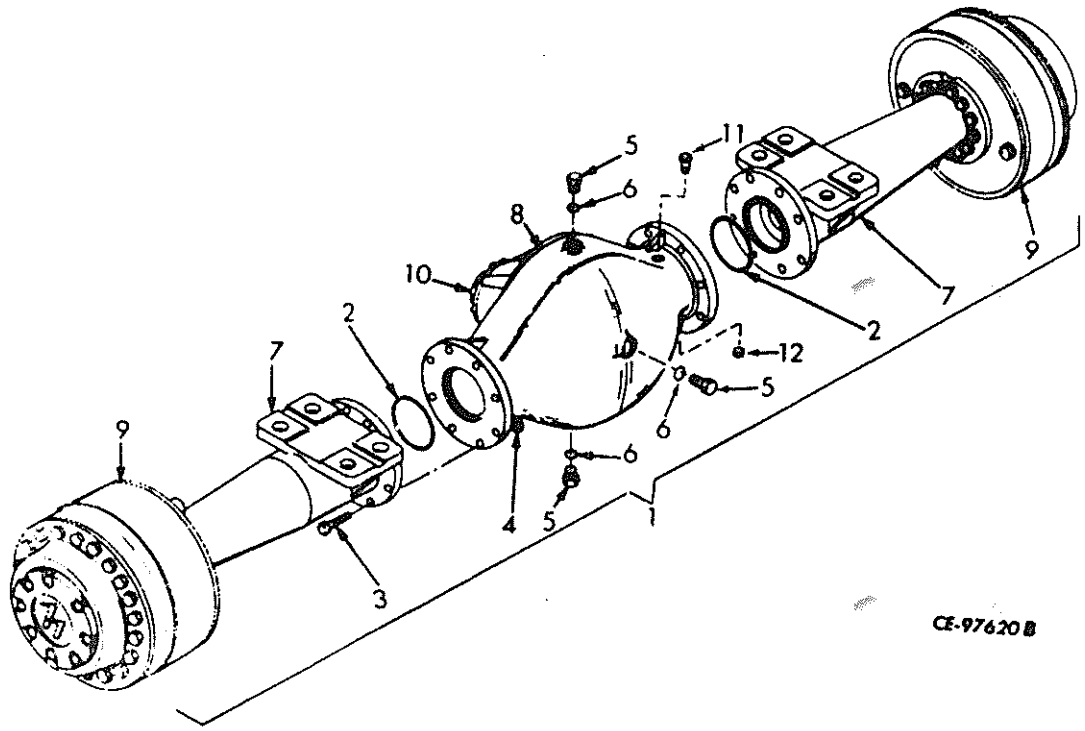
* - Used on S/N 5055 & Below.

\# - Used On S/N 5056 & Up.

\+ - NOTE: Differential Assembly (same as 886577C91 except for Item #3.)

DRIVE TRAIN

REF. NO.	PART NUMBER	DESCRIPTION



AXLE ASSEMBLY

REF. NO.	PART NUMBER	DESCRIPTION
* 1	831407C92	AXLE, Rear
# 1	924106C93	AXLE, Rear
	25880R1	BOLT, 1" NL x 3-3/4 hex-hd (6)
	25918R1	BOLT, 1" NC x 4-1/2 hex-hd (2)
	25550R1	WASHER, Flat (16)
	25531R1	NUT, 1" NC hex (8)
1	881406C94	AXLE, Front
	25880R1	BOLT, 1" NC x 3-3/4 hex-hd (6)
	25918R1	BOLT, 1" NC x 4-1/2 hex-hd (2)
	25550R1	WASHER, Flat (16)
	25531R1	NUT, 1" NC hex (8)
2	606922C1	"O" RING (2)
3	271638	SCREW, Cap - 3/4 NF x 3 (28)
4	18558R1	NUT, 3/4 NF (28)
5	9410361	PLUG (3)
6	368269R1	"O" RING (3)
7	889359C1	HOUSING, Axle (2)
8	930215C2	BOWL, Axle (Together w/BREATHER 91916R1 and PLUG 444660 will work for BOWL 881296C2)
9		(Refer to Axle Shaft, Hub and related parts)
10		(Refer to Differential Group)
11	91916R1	BREATHER (Axle S/N 197 and up)
12	444660	PLUG (Axle S/N 197 and up)

* - Used On S/N 5055 & Below.

- Used On S/N 5056 & Up.

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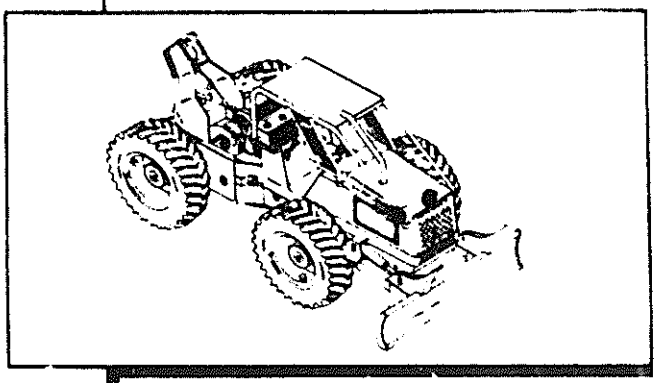
SECTION 8

ELECTRICAL SYSTEM



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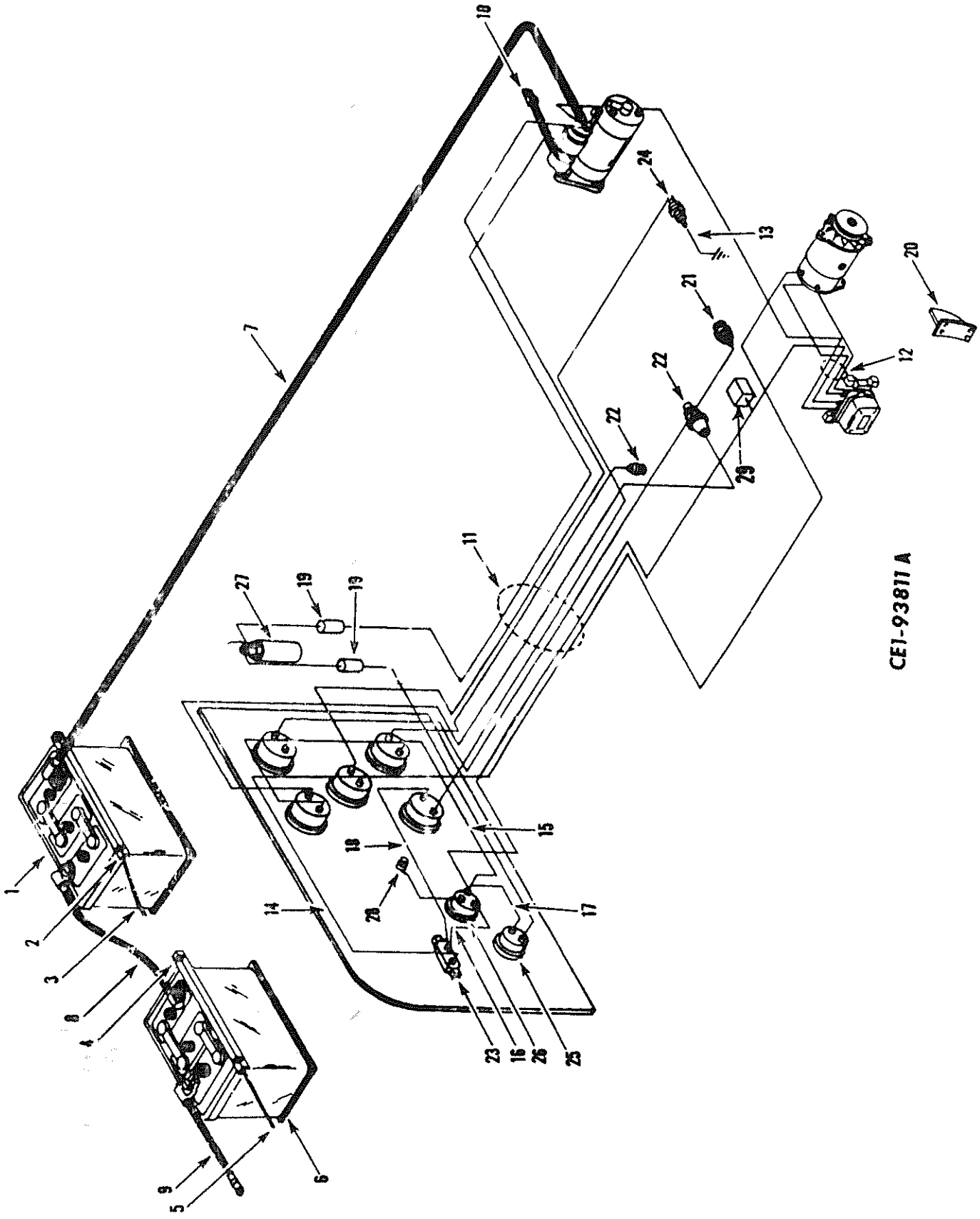
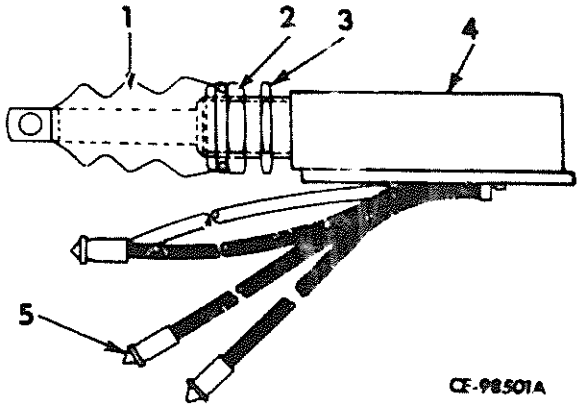


WIRING (PANEL LIGHTED GAUGES)

ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
		WIRING (PANEL LIGHTED GAUGES)
1		BATTERY, 6 Volt (2)
2	880089C1	ANGLE (2)
3	880088C1	ROD (4)
4	174169H1	NUT, Wing - 1/4 NF (4)
	103319	WASHER, Flat - 1/4 (4)
	106261	WASHER, Lock - 1/4 (4)
5	103361	PIN, Cotter - 1/16 x 1/2 (4)
6	880090C1	BOARD, Battery (2)
7	880540C1	CABLE, Battery to Starter
8	881013C1	CABLE, Battery to Battery
9	121160H1	CABLE, Battery to Ground
10	881022C1	STRAP, Ground - Starter
11	881023C1	HARNESS, Main
12	886574C1	HARNESS, Alternator to Voltage Regulator
13	881015C1	CABLE, Hourmeter Switch to Ground (05069 and below)
14	881016C1	CABLE, Ammeter to Circuit Breaker
15	881017C1	CABLE, Instrument Jumper
16	881018C1	CABLE, Circuit Breaker to Ignition Switch
17	881019C1	CABLE, Ignition Switch to Push Button
18	881020C2	CABLE, Circuit Breaker to Hour-meter (05069 and below)
19	113868H1	CONNECTOR (2)
20	886575C2	SUPPORT, Voltage Regulator
	181313	SCREW, Cap - 1/4 NF x 3/4 (2)
	152711H1	WASHER (2)
	103024	NUT - 1/4 NF (2)
21	1 132 890 C1	SENDER, Engine Oil Temperature
22	144200H2	SENDER, Water & Torque Converter Temperature (2)
23	128359H1	CIRCUIT BREAKER
	168752H1	SCREW (2)
	121841	WASHER, Lock - #8 (2)
	120622	NUT, #8-32 (2)
24	126287H1	SWITCH, Hourmeter (05069 and below)
	444258	TEE, Street
25	627270C1	SWITCH, Starter
26	875723C91	SWITCH, Ignition
27		SWITCH, Neutral (Refer to Neutral Safety Switch)
28	146568H1	LIGHT, Dash
29		SOLENOID, Fuel (Refer to PU-70 Fuel Injection Pump)
	895699C1	CABLE, Alternator Battery to Regulator



NEUTRAL SAFETY SWITCH

	877336C92	SWITCH, Neutral Safety (Consists of the following)
1	895534C1	BOOT
2	895535C1	NUT
3	219951R1	NUT
4	377885C1	SWITCH
5	133832H1	TERMINAL (3)

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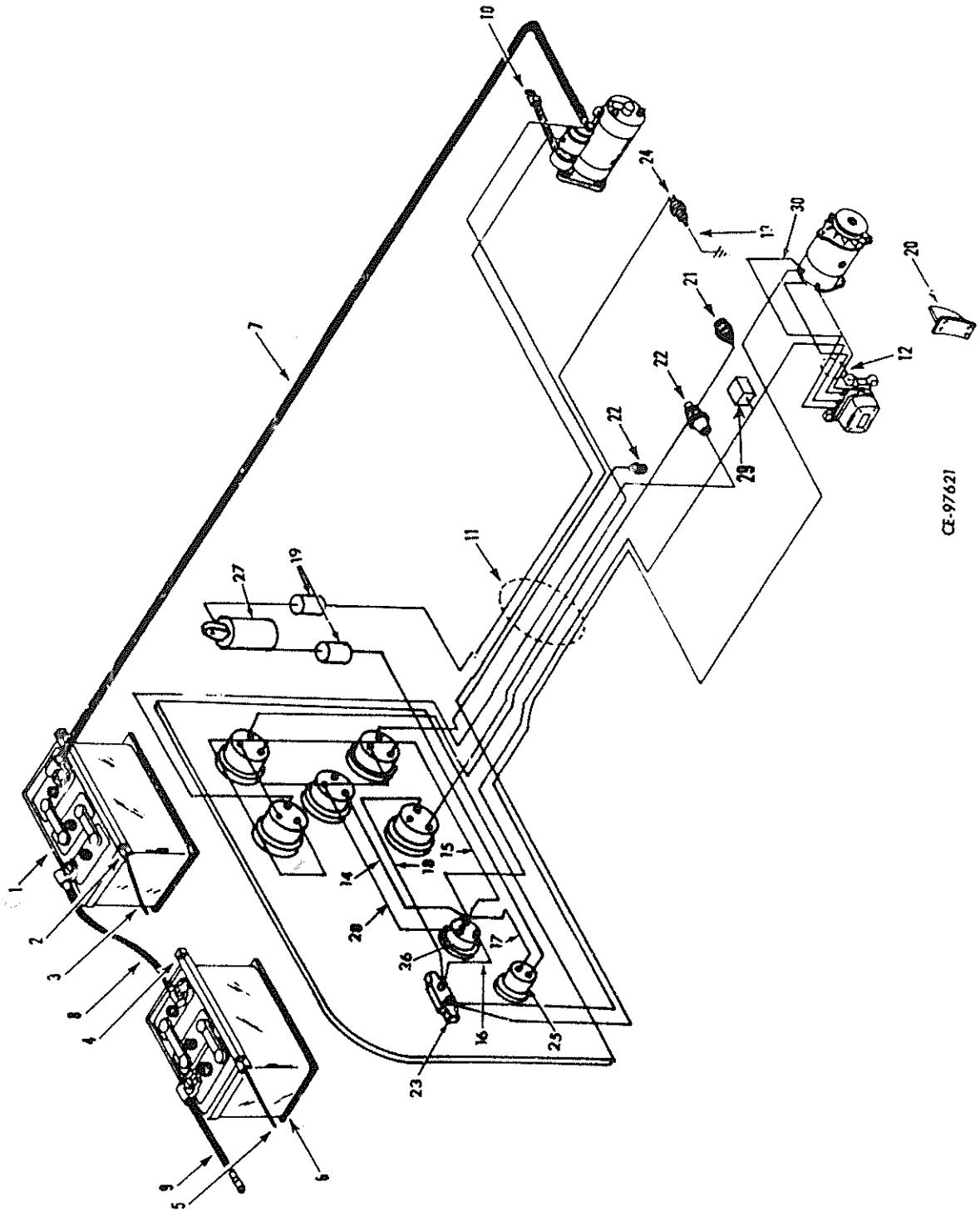
ELECTRICAL SYSTEM

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



WIRING (BACK LIGHTED GAUGES)

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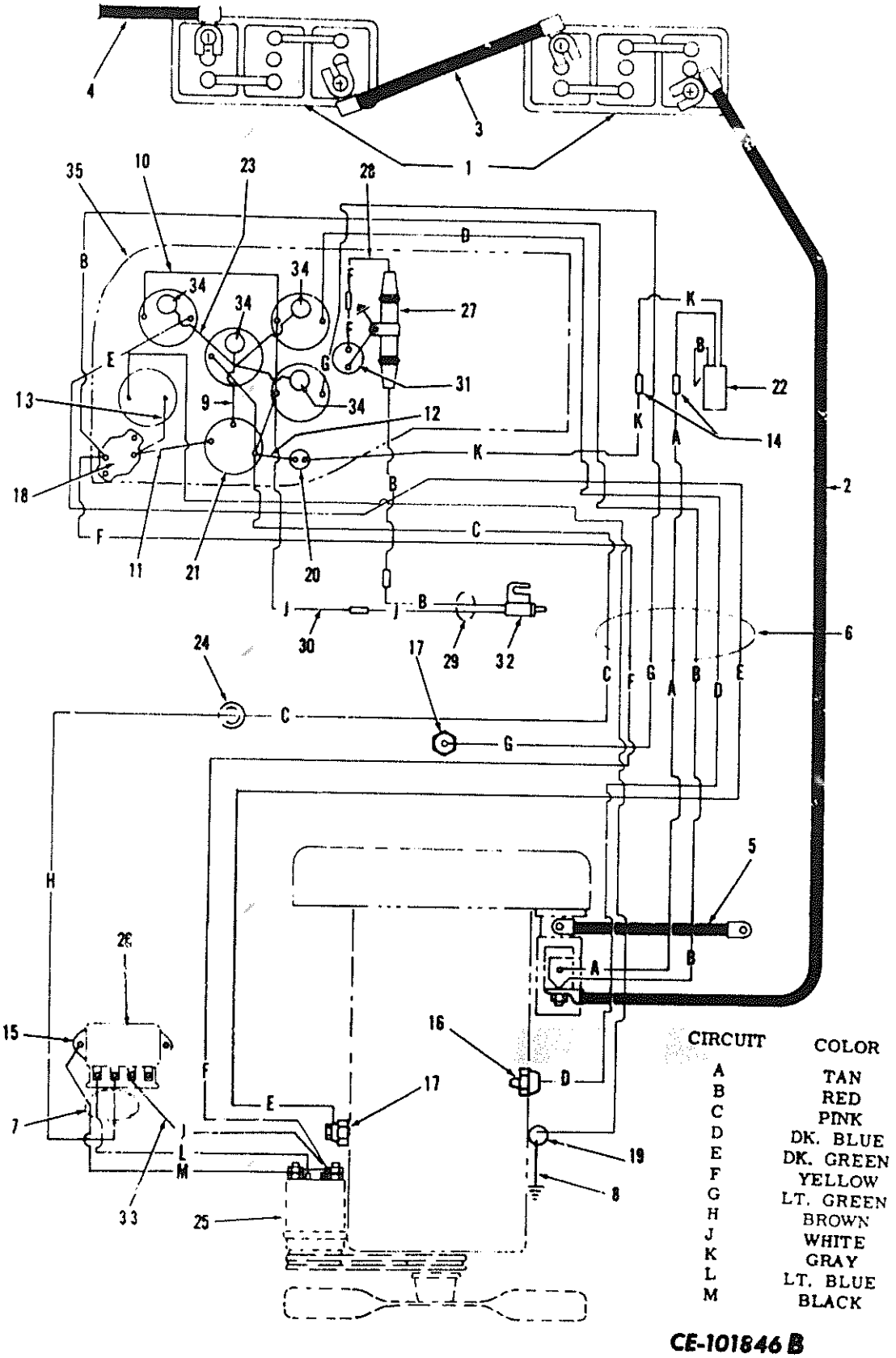
ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
		WIRING (BACK LIGHTED GAUGES)
1		BATTERY, 6 Volt (2)
2	880089C1	ANGLE (2)
3	880088C1	ROD (4)
4	174169H1	NUT, Wing - 1/4 NF (4)
	103319	WASHER, Flat - 1/4 (4)
	106261	WASHER, Lock - 1/4 (4)
5	103361	PIN, Cotter - 1/16 x 1/2 (4)
6	880090C1	BOARD, Battery (2)
7	880540C1	CABLE, Battery to Starter
8	881013C1	CABLE, Battery to Battery
9	121160H1	CABLE, Battery to Ground
10	881022C1	STRAP, Ground - Starter
11	881023C1	HARNESS, Major
12	886574C1	HARNESS, Alternator to Voltage Regulator
13	881015C1	CABLE, Hourmeter Switch to Ground (05069 and below)
14	891190C1	CABLE, SW to Voltmeter
15	881017C1	CABLE, Instrument Jumper
16	881018C1	CABLE, Circuit Breaker to Ignition Switch
17	881019C1	CABLE, Ignition Switch to Push Button
18	881020C2	CABLE, Circuit Breaker to Hourmeter (05069 and below)
19	113868H1	CONNECTOR (2)
20	886575C2	SUPPORT, Voltage Regulator
	191313	SCREW, Cap - 1/4 NF x 3/4 (2)
	152711H1	WASHER (2)
	103024	NUT - 1/4 NF (2)
21	**1 132 890 C1**	SENDER, Engine Oil Pressure
22	144200H2	SENDER, Water & Torque Converter Temperature (2)
23	128359H1	CIRCUIT BREAKER
	168752H1	SCREW (2)
	121841	WASHER, Lock - #8 (2)
	120622	NUT, #8-32 (2)
24	126287H1	SWITCH, Hourmeter (05069 and below)
	444253	TEE, Street
25	627670C1	SWITCH, Starter
26	875723C91	SWITCH, Ignition
27		SWITCH, Neutral (Refer to Neutral Safety Switch)
28	891048C1	CABLE, SW to Instrument Lamps
29		SOLENOID, Fuel (Refer to PU-70 Fuel Injection Pump)
30	895699C1	CABLE, Alt. "Batt" to Reg.
31		VOLTAGE REGULATOR (Refer to Voltage Regulator)
	131282	LAMP, Gauges (4)



WIRING (BACK LIGHTED GAUGES WITH PARKING BRAKE WARNING LIGHT)

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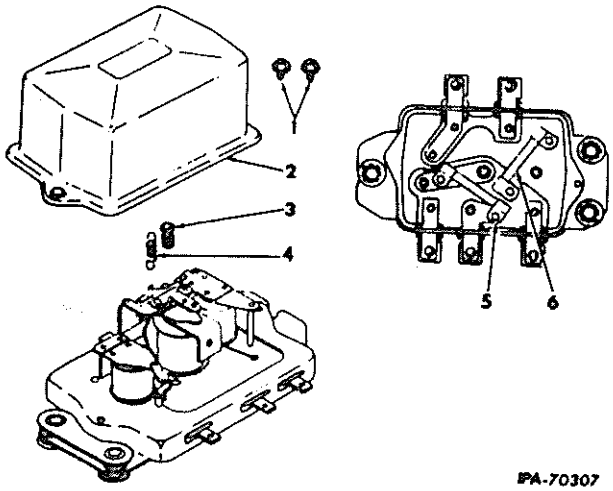
ELECTRICAL SYSTEM

REF. NO.	PART NUMBER	DESCRIPTION
		WIRING (BACK LIGHTED GAUGES WITH PARKING BRAKE WARNING LIGHT
1		BATTERY (6 Volt Prestolite No. 7907X (C&D) (2)
	880089C1	ANGLE (2)
	880088C1	ROD (4)
	174169H1	NUT, Wing-1/4 NF (4)
	103319	WASHER, Flat - 1/4 (4)
	106261	WASHER, Lock - 1/4 (4)
	103361	PIN, Cotter 1/16 x 1/2 (4)
	880090C1	BOARD, Battery (2)
2	880540C1	CABLE, Battery to Starter
3	881013C1	CABLE, Battery to Battery
4	121160H1	CABLE, Battery to Ground
5	881022C1	STRAP, Ground-Starter
6	881023C1	HARNESS, Major
	127440H1	GROMMET, 1" Diameter (2)
7	886574C1	HARNESS, Alternator to Voltage Regulator
8	881015C1	CABLE, Hourmeter Switch to Ground (used on units without service recorders) (5069 and below)
9	891190C1	CABLE, Switch to Voltmeter
10	881017C1	CABLE, Gauge Jumper
11	881018C1	CABLE, Circuit Breaker to Ignition Switch
12	881019C1	CABLE, Ignition Switch to Push Button
13	881020C2	CABLE, Circuit Breaker to Hourmeter (used on units without service recorders) (05069 and below)
14	113868H1	CONNECTOR (2)
15	886575C2	SUPPORT, Voltage Regulator
	181313	SCREW, Cap 1/4 NF x 3/4 (2)
	152711H1	WASHER (2)
	103024	NUT, 1/4 NF (2)
16	1 132 890 C1	SENDER, Engine Oil Pressure
17	144200H2	SENDER, Water & Torque Converter Temp (2)
18	128359H1	CIRCUIT BREAKER
	132776	SCREW (2)
	121841	WASHER, Lock #8 (2)
	120622	NUT #8-32 (2)
19	126287H1	SWITCH, Hourmeter (used on units without service recorders)
	444253	TEE (5069 and below)
20	627670C1	SWITCH, Starter
21	875723C91	SWITCH, Ignition
22		SWITCH, Neutral (Refer to Neutral Safety Switch)
23	891048C1	CABLE, Switch to Gauge Lamps
24		SOLENOID, Fuel (Refer to PU-70G Fuel Injection Pump)
25		ALTERNATOR (Refer to Alternator)
26		VOLTAGE REGULATOR (Refer to Voltage Regulator)
27	184243H1	FLASHER 12 Volt)
28	211647H1	WIRE, Flasher to Lite)
29	892602C1	HARNESS) S/N 05056
30	891465C1	WIRE) & Up
31	880518C91	LITE, "Brake On")
	142451	BULB, 12 Volt)
32	183135H1	SWITCH, Parking Brake)
33	895699C1	CABLE, Alternator Battery to Regulator
34	131282	LAMP, Gauges (4)
35		PANEL (Refer to Instrument Panel and Related Parts)
	143142H1	CLAMP, Battery Cable to Frame (3)
	106263	WASHER, Flat 3/8 (2)
	103321	WASHER, Lock (2)
	102635	NUT, 3/8 NC (2)
	161043H1	CLIP (4)
	202355H1	GROMMET (1)

REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION



PA-70307

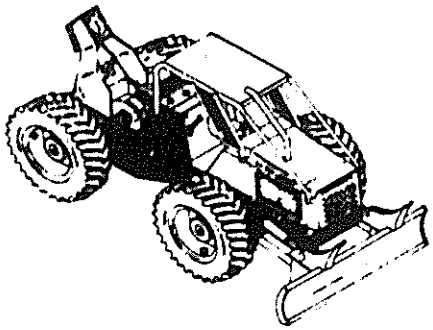
VOLTAGE REGULATOR

	*967867R91	REGULATOR, voltage
	1119513	REGULATOR w/SHOCK BRACKET, voltage (Composed of -
		1 PACKAGE 1962629
		1 REGULATOR 1119507
		3 SCREW 454669
		3 WASHER 120380)
		1/4 x 3/4" hex-hd cap SCREW (2)
		1/4" lock WASHER (2)
	1119507	REGULATOR ASSY, voltage (Consists of ref nos. 1 thru 6) (furnished as part of REGULATOR 1119513)
1	1943386	SCREW, cover attaching (2)
2	1958151	COVER, regulator
3	1958148	SCREW, adjusting
4	1958137	SPRING, adjusting screw
5	1941431	RESISTOR
6	1960347	RESISTOR
	1962629	PACKAGE, shock bracket

* 967867R91 IH Part No.

SECTION 9

FRAME



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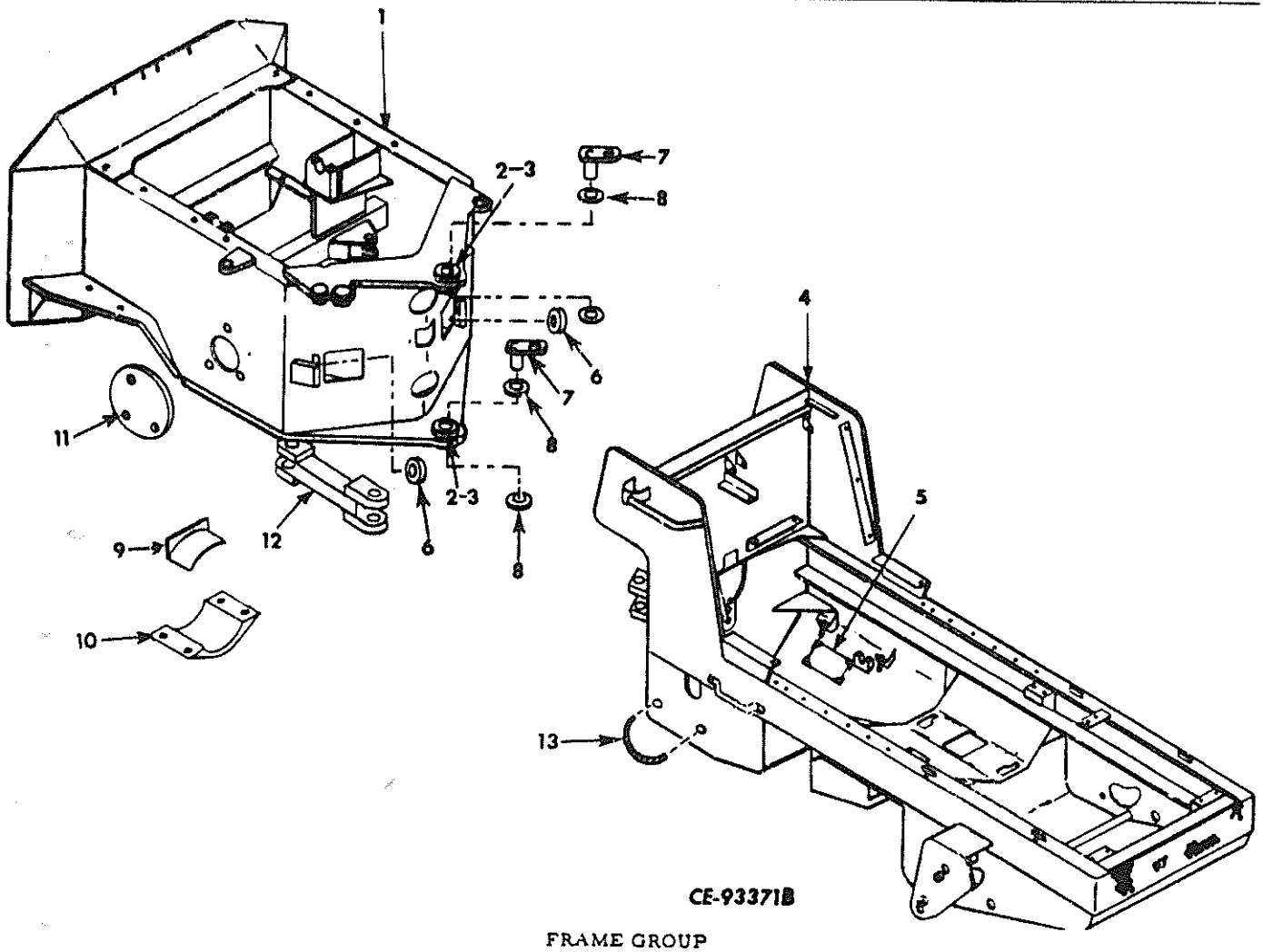
FRAME



FRAME GROUP

REF. NO.	PART NUMBER	DESCRIPTION
1	888176C1	FRAME, W/two BUSHING 879985C1, rear (Used only on units equipped w/ Cable Cutter Kit) (05055 and below)
1	880958C3	FRAME, w/two BUSHING 879985C1, rear (Not used on units equipped w/ Cable Cutter Kit) (05055 and below)
1	921319C1	FRAME, w/two BUSHING 879985C1, rear (05056 and up)
2	879985C1	BUSHING (2)
3	127743	FITTING, Grease (2)
4	880819C4	FRAME, Front
5	880753C1	BAR, Cover
	24841R1	SCREW, Cap - 3/8 NC x 1-1/2 (2)
	25544R1	WASHER, Hardened - 3/8 (2)
6	216293H2	BUMPER, Steering (2)
	891486C2	SPACER (2)
	181435	SCREW, Cap - 1/2 NF x 2 (2)
	103343	WASHER, Flat - 1/2 (2)
	18452R1	NUT - 1/2 NF (2)
7	219461H1	PINLOCK (2)
	181426	SCREW, Cap - 1/2 NF x 7/8 (2)
	103323	WASHER, Lock - 1/2 (2)
	106265	WASHER, Flat - 1/2 (2)
8	195671H1	RING, Cord (4)
	880213C1	WASHER (Upper Only) (2)
9	894437C1	GUARD, Disc (Upper)
	24861R1	BOLT, 1/2 NC x 1-1/4 (2)
	25546R1	WASHER, Hardened - 1/2
10	894442C1	COVER, Disc (Lower)
	24861R1	BOLT, 1/2 NF x 1-1/4 (4)
	25546R1	WASHER, Hardened - 1/2 (4)
11	890291C1	RETAINER
	25542R1	WASHER, Hardened - 1/4 (3)
	25222R1	BOLT, 1/4 NC x 3/4 (3)
12	891784C1	BAR, Locking
	891787C1	PIN
	891788C1	PIN, Clinch
	273045	SCREW, Cap - 1 NF x 3-1/4
	18462R1	NUT, Hex - 1 NF
13	875324C1	CABLE, Step (2)
	204138R1	"U" BOLT (4)
	876454C1	BAR (4)
	452489R1	NUT (8)

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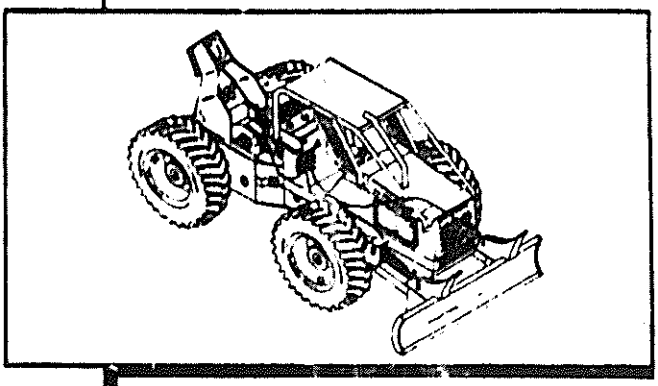
SECTION 10

HYDRAULICS & CONTROLS



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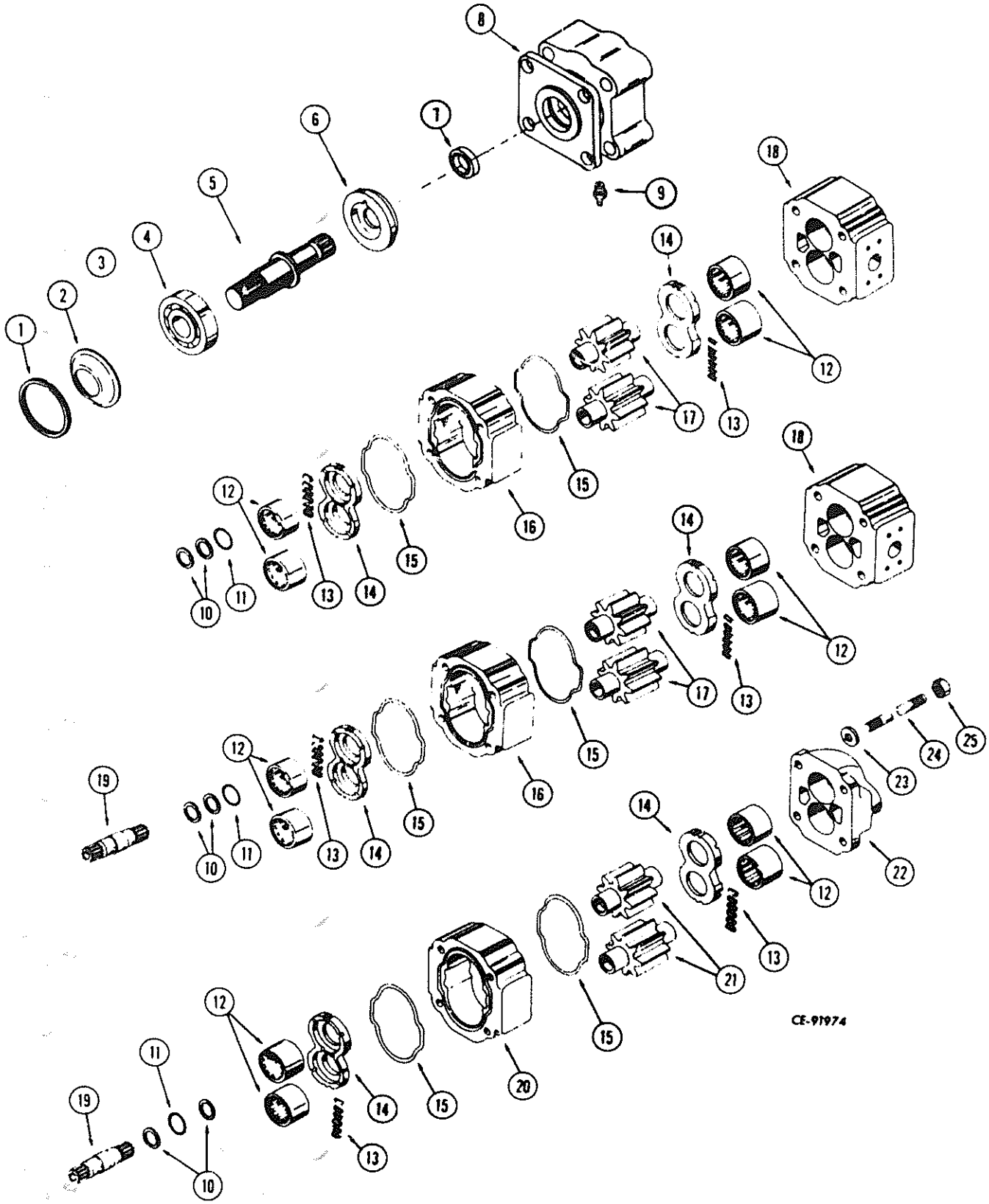

HYDRAULIC PUMP

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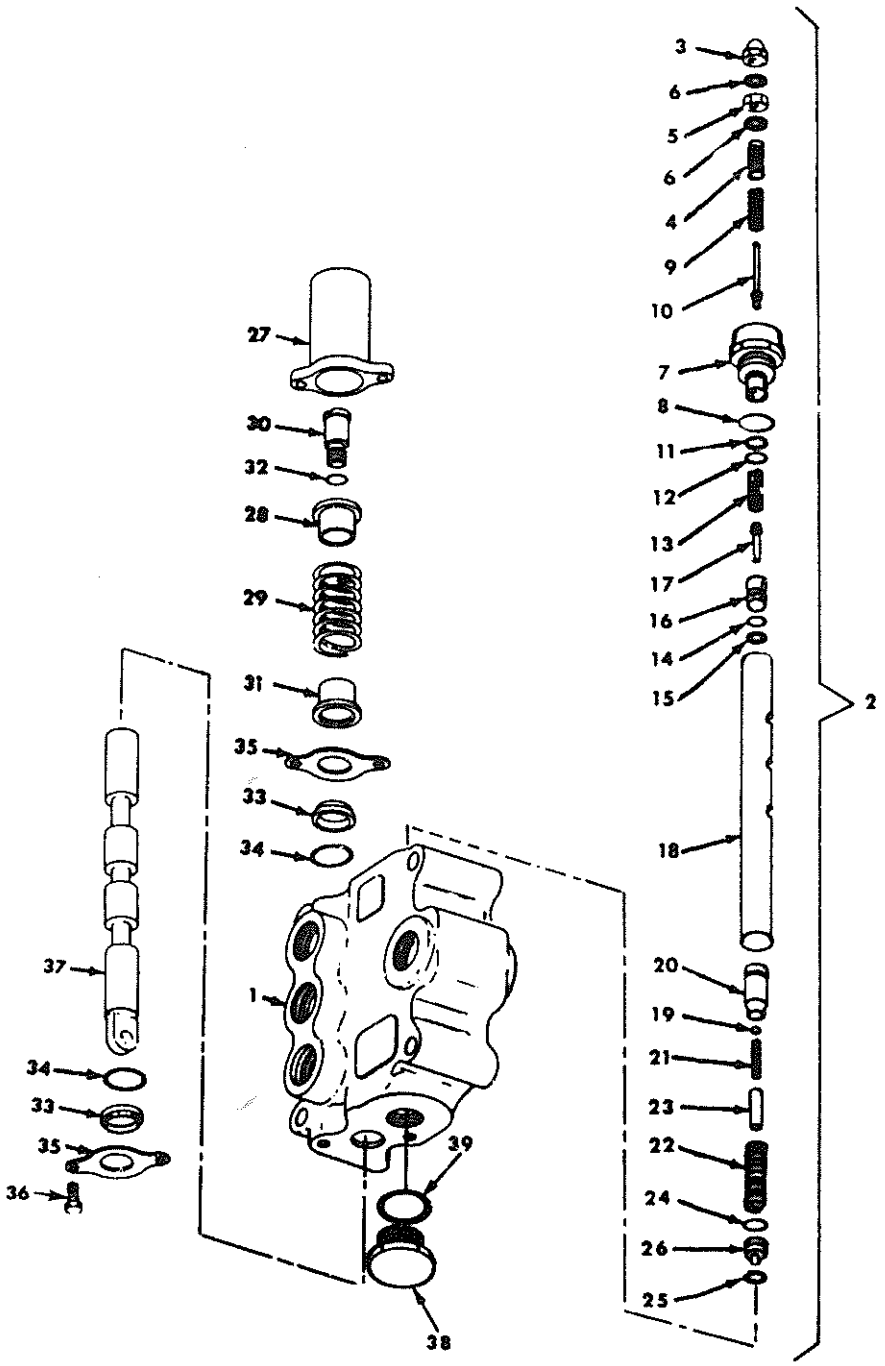
REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC PUMP **Used On S/N 5055 & Below**
	888346C92	PUMP ASSEMBLY (Includes the following)
	103028	NUT - 1/2 NF (4)) Pump
	103323	WASHER, Lock (4)) Mounting
1	299899R1	RING, Snap
2	889202C1	SHIELD
3		(Not Used in this Application)
4	363953R91	BEARING
5	889204C1	SHAFT
6	889203C1	SPACER
7	885053C91	SEAL
8	889201C1	COVER
9	138322H	FITTING, Grease
10	333730R1	RING, Back-up (6)
11	478543R1	SEAL (3)
12	216570R91	BEARING (12)
13	610874C1	SEAL (3)
14	333736R1	PLATE (6)
15	23386R1	GASKET (6)
16	884963C1	HOUSING (2)
17	884961C1	GEAR SET (2)
18	884967C1	CARRIER (2)
19	892717C1	SHAFT (2)
20	884962C1	HOUSING
21	884960C1	GEAR SET
22	884964C1	COVER
23		(Not Used in this Application)
24	889205C1	STUD (4)
25	889333C1	NUT (4)
	139105	SCREW, Set (Front of Pump)
	192413	SCREW (Nameplate) (2)
	890631C1	SINGLE PUMP SERVICE KIT (Includes)
	885053C91	SEAL (1)
	333730R1	RING, Backup (2)
	478543R1	SEAL (1)
	610874C1	SEAL (1)
	23386R1	GASKET (2)
	890632C1	BEARING CARRIER & GEAR SECTION KIT (2) (Includes)
	333730R1	RING, Backup (2)
	478543R1	SEAL (1)
	610874C1	SEAL (1)
	23386R1	GASKET (2)

For complete service of pump assembly, supply (1) 890631C1 and (2) 890632C1 kits.



CE-100776

STEERING VALVE

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HYDRAULICS & CONTROLS

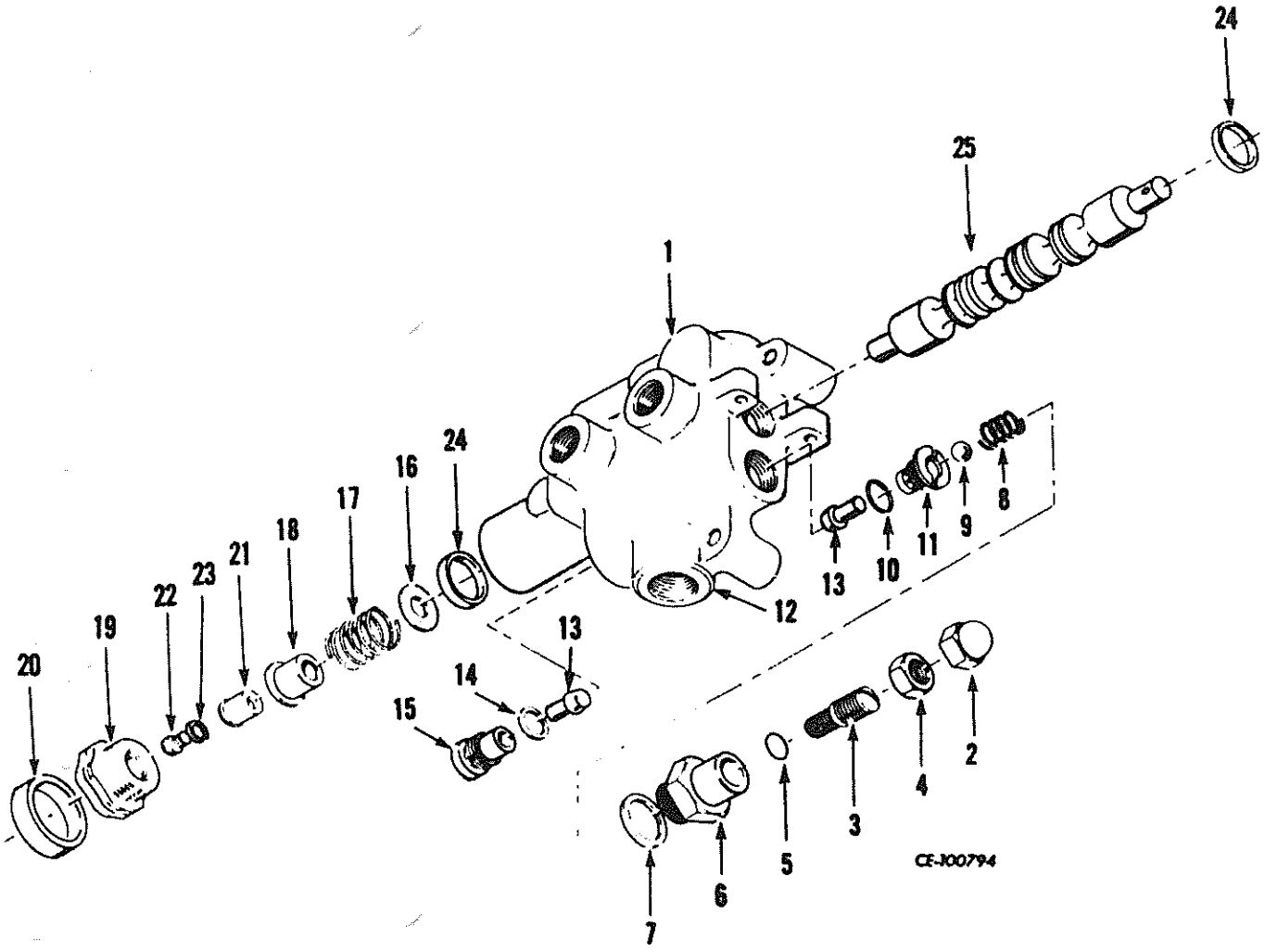
STEERING VALVE

REF. NO.	PART NUMBER	DESCRIPTION
#	888165C93	VALVE, Steering (Includes Items 1 thru 39)
*	888165C91	VALVE, Steering (Includes Items 1 thru 39)
	186309	SCREW, Cap - 3/8 NF x 3-1/4 (3)
	17234R1	NUT, 3/8 NF Esna (3)
	106263	WASHER (3)
1		HOUSING (Order 888165C93)
* 2	888731C92	VALVE, Relief (Includes Items 3 thru 26)
# 2	627960C92	VALVE, Relief (Includes Items 3 thru 26)
3	131486	NUT, Acorn
4	613998C1	SCREW, Adjusting
5	114494	NUT, Jam
6	347391R1	WASHER (2)
7	888732C1	PLUG
8	368269R1	"O" RING
9	615001C1	SPRING
10	613996C1	POPPET
11	890496C1	RING, Back-up
12	375271R1	"O" RING
13	613999C1	SPRING
14	615002C1	"O" RING
15	890495C1	RING, Back-up
16	615003C1	POPPET
17	613997C1	PISTON
* 18	888735C1	SLEEVE
# 18	627893C2	SLEEVE
19	16007R1	BALL
20	888733C2	POPPET
21	888737C1	SPRING
22	888736C1	SPRING
23	888738C1	PISTON
* 24	702788R1	"O" RING
# 24	630905C1	"O" RING
* 25	310086R1	RING, Snap
# 25	630900C1	RING, Back-up
* 26	888734C2	RETAINER, Spring
# 26	627894C1	RETAINER, Spring
27	619849C1	CAP, Plunger
	217904	SCREW, Socket Head (Cap Mounting) (2)
28	211878H1	SEAT, Spring
29	211879H1	SPRING
30	619875C1	BOLT, Special
31	211878H1	SEAT, Spring
32	369384R1	"O" RING
33	202138H1	WIPER (2)
34	350684R1	"O" RING (2)
35	310798R1	PLATE, Seal (2)
36	113954	SCREW (2)
37		PLUNGER (not furnished separately)
38	148603H1	PLUG
39	368269R1	"O" RING

* - Used on S/N 5055 & Below.

\# - Used on S/N 5056 & Up.

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



DOZER VALVE

1	888390C91	VALVE, Dozer (Incls. the following)	13	666719R1	POPPET, Check (2)
	181381	BOLT - 3/8 NF x 2-1/2 (3)			
	17224R1	NUT - 3/8 NF (3)	14	352221R1	"O" RING
2	131663	CAP, Acorn	15	666722R1	PLUG, Check
3	663031R1	SCREW, Adjusting			
4	124944	NUT, Jam	16	149372R1	WASHER, Stop
5	355966R1	"O" RING	17	886406C1	SPRING, Float Centering
6	663030R1	BODY, Relief Valve	18	635966R1	COLLAR, Float Spring
7	132638H1	GASKET	19	894005C1	FLOAT DETENT
8	635970H1	SPRING, Relief	20	663034R1	BONNET, Rubber
9	16016R1	BALL, Relief Valve	21	886405C1	PLUNGER, Float Detent
10	570828R1	"O" RING	22	21744R1	BOLT
11	666721R1	SEAT, Relief Valve	23	136251R1	WASHER, Lock
12		HOUSING, Valve (not furnished seperately)	24	663032R1	SEAL, Spool

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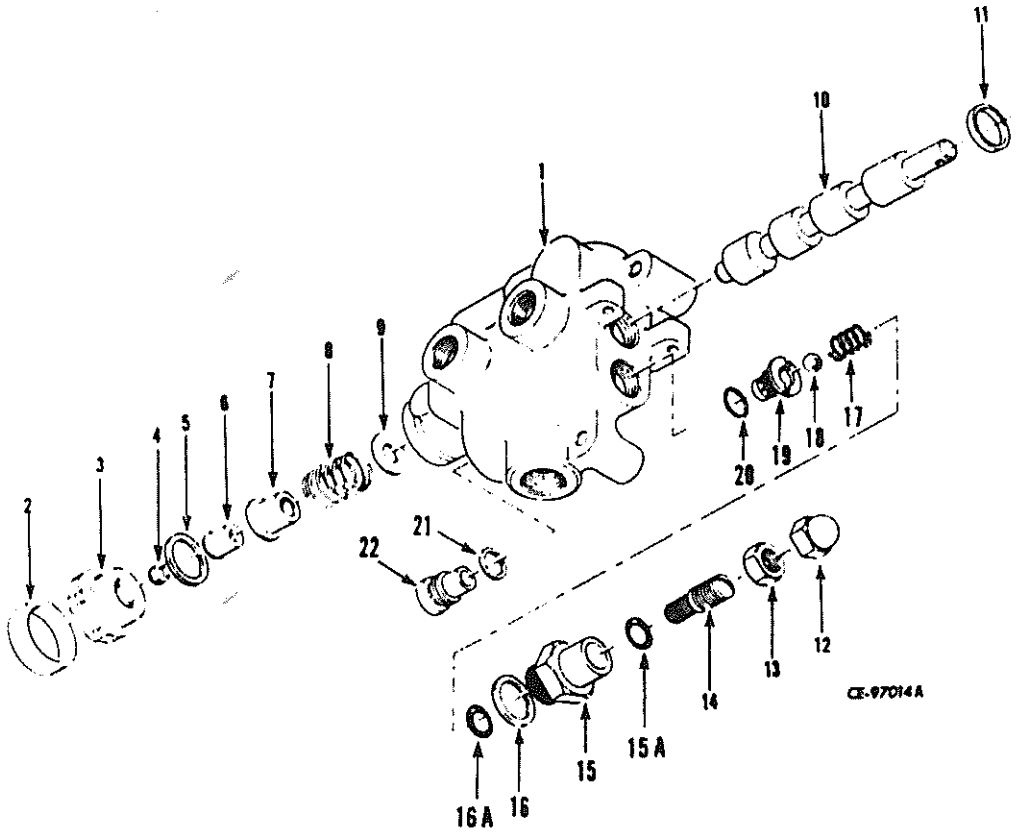
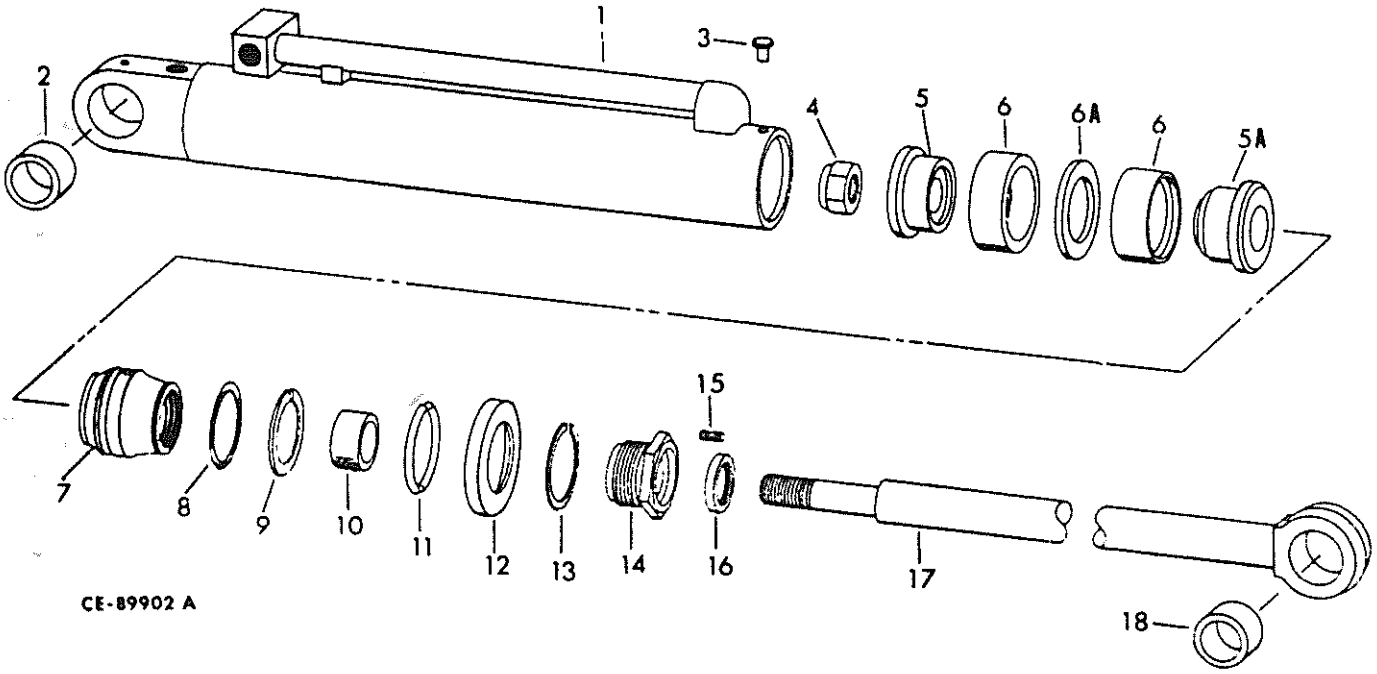


WINCH VALVE
Used On S/N 5055 & Below

REF. NO.	PART NUMBER	DESCRIPTION
	884793C91	VALVE, Winch
1		HOUSING (not furnished separately)
2	663034R1	CAP
3	894005C1	DETENT
4	893081C1	SCREW, Cap - 5/16 NC x 1/2
5	893080C1	SPACER, Detent
6	893082C1	PLUNGER
7	893083C1	COLLAR, Spring
8	663024R1	SPRING
9	149372R1	WASHER
10		SPOOL (not furnished separately)
11	663032R1	SEAL
12	131663	NUT, Acorn
13	124944	NUT, Jam - 5/8 NF
14	663031R1	SCREW, Adjusting
15	663030R1	BODY, Relief Valve
15A	355966R1	"O" RING
16	132638H1	GASKET
16A	635788R1	SPACER
17	894175C1	SPRING
18	16016R1	BALL
19	666721R1	GUIDE, Relief Check Seat
20	570828R1	"O" RING
21	352221R1	"O" RING
22	666722R1	PLUG, Check
	181381	SCREW, Cap - 3/8 NF x 2-1/2 (3)) Valve Mounting
	17234R1	NUT - 3/8 NF (3))

HYDRAULICS & CONTROLS



LIFT CYLINDER

REF. NO.	PART NUMBER	DESCRIPTION
	880729C92	CYLINDER, Lift (Includes the following) (2)
1	880725C1	CYLINDER, w/BUSHING 158842H1
	109461	FITTING, Grease (4)
	445684	PLUG, Pipe - 1/8 (to plug extra grease fitting holes)
2	158842H1	BUSHING
3	152039H1	PLUG, Rubber
4	18462R1	NUT, 1-1/4 NF
5	882628C3	PISTON, Half
5A	882629C2	PISTON, Half
6	882627C1	PACKING (2)
6A	882633C2	WASHER
7	125415H1	CAP
8	22287R1	"O" RING
9	131150H1	WASHER, Back-up
10	124318H3	PACKING, Rod
11	125281H1	RING, Lock
12	125417H1	CAP
13	125282H1	RING, Retaining
14	881562C11	NUT, Packing
15	174304H1	SCREW, Set (3)
16	881561C91	SEAL
17	880728C11	ROD w/BUSHING 158842H1, Piston
18	158842H1	BUSHING
	182395H1	PINLOCK (4)
	181426	SCREW, Cap - 1/2 NF x 7/8 (6)
	106265	WASHER, Flat - 1/2 (6)
	120384	WASHER, Lock - 1/2 (6)
	172143H1	RING, Cord (12)
	134639H1	SPACER (AR)

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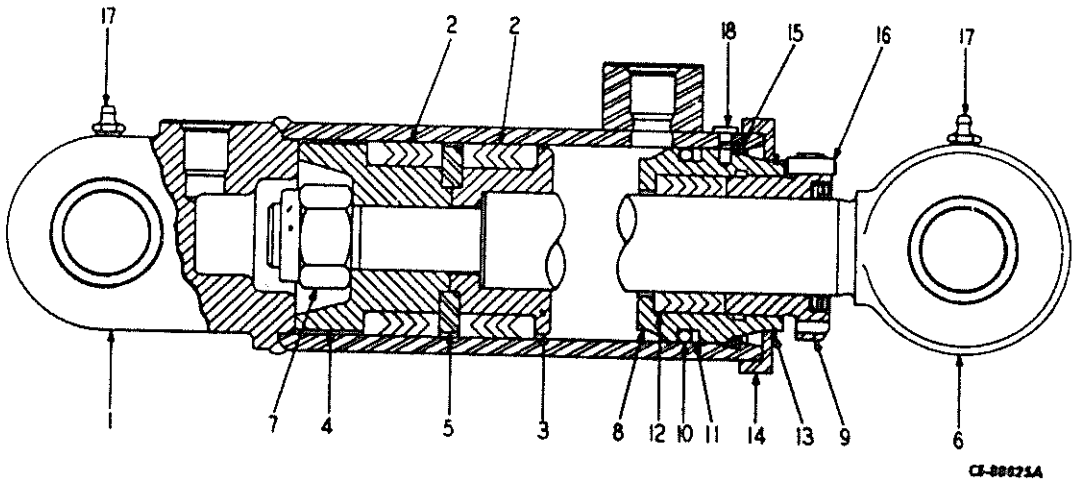
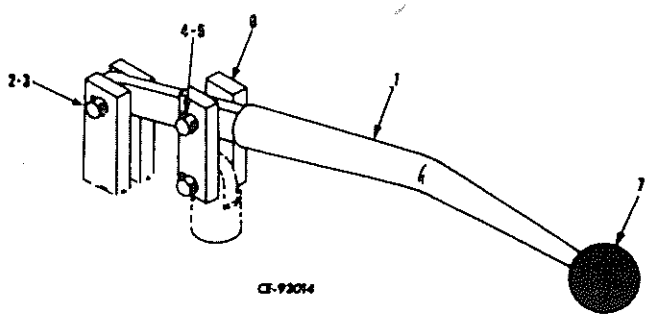
REF. NO.	PART NUMBER	DESCRIPTION



STEERING CYLINDER

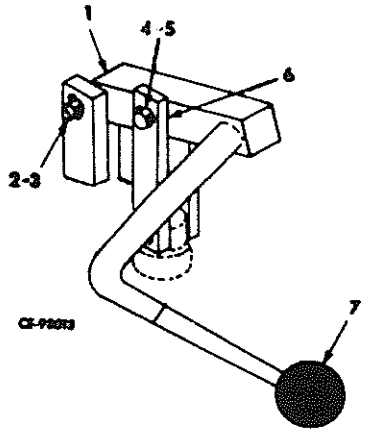
REF. NO.	PART NUMBER	DESCRIPTION
	880247C93	CYLINDER, Steering (Includes the following) (2)
1	880244C2	CYLINDER (Includes next item)
	222214H1	BUSHING
2	882127C1	PACKING (2)
3	882126C1	PISTON, Half
4	884867C1	PISTON, Half
5	882128C1	SPACER
6	879476C11	ROD, Piston (Includes next item)
	222214H1	BUSHING
7	18462R1	NUT, 1 NF
8	125283H1	CAP
9	881562C11	NUT, Packing (Includes next item)
	881561C91	SEAL
10	876092C1	"O" RING
11	878632C2	RING, Back-up
12	124318H3	PACKING
13	125279H1	RING, Retaining
14	125416H1	CAP
15	125280H1	RING, Lock (2)
16	174304H1	SCREW, Set (3)
17	109461	FITTING, Grease - Front
	126152	FITTING, Grease - 45° Rear
18	152039H1	PLUG, Rubber
	882356C1	PINLOCK (4)
	181426	SCREW, Cap - 1/2 NF x 7/8 (4)
	106265	WASHER, Flat - 1/2 (4)
	103323	WASHER, Lock - 1/2 (4)
	191418H1	RING, Cord (8)

REF. NO.	PART NUMBER	DESCRIPTION



LINKAGE-DOZER VALVE

1	888601C1	LEVER
2	888608C1	PIN
3	103361	PIN, Cotter - 1/16 x 1/2 (2)
4	888607C1	PIN (2)
5	103361	PIN, Cotter - 1/16 x 1/2 (4)
6	888606C1	LINK, Lever to Spool (2)
7	923134C1	KNOB

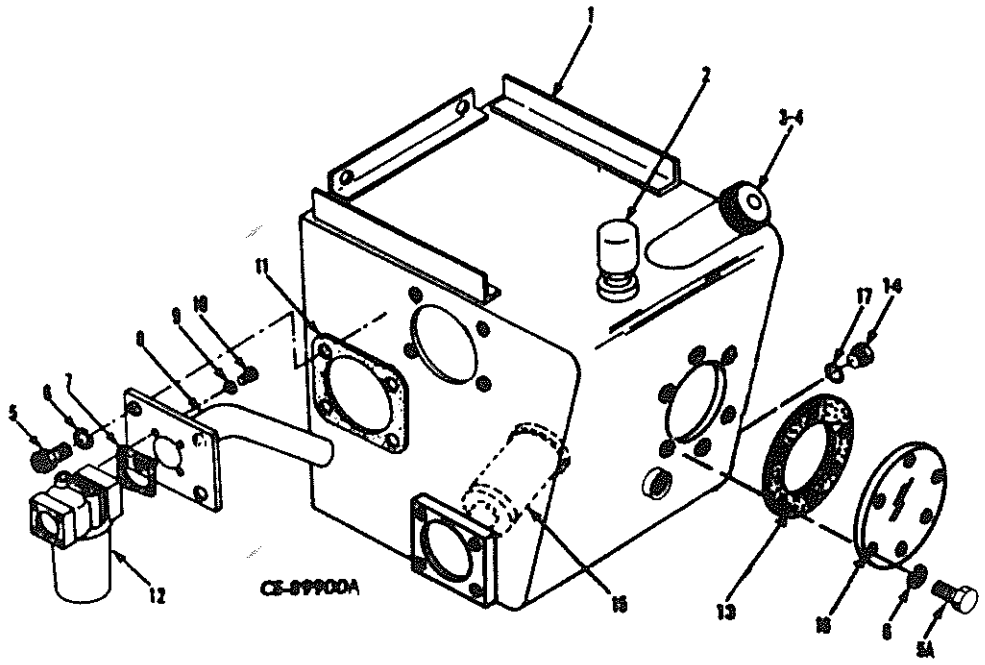


LINKAGE-WINCH VALVE
Used On S/N 5055 & Below

1	888598C1	LEVER
2	888608C1	PIN
3	103361	PIN, Cotter - 1/16 x 1/2 (2)
4	888607	PIN (2)
5	103361	PIN, Cotter (4)
6	884763C1	LINK, Lever to Spool (2)
7	HS-3343	KNOB

HYDRAULICS & CONTROLS

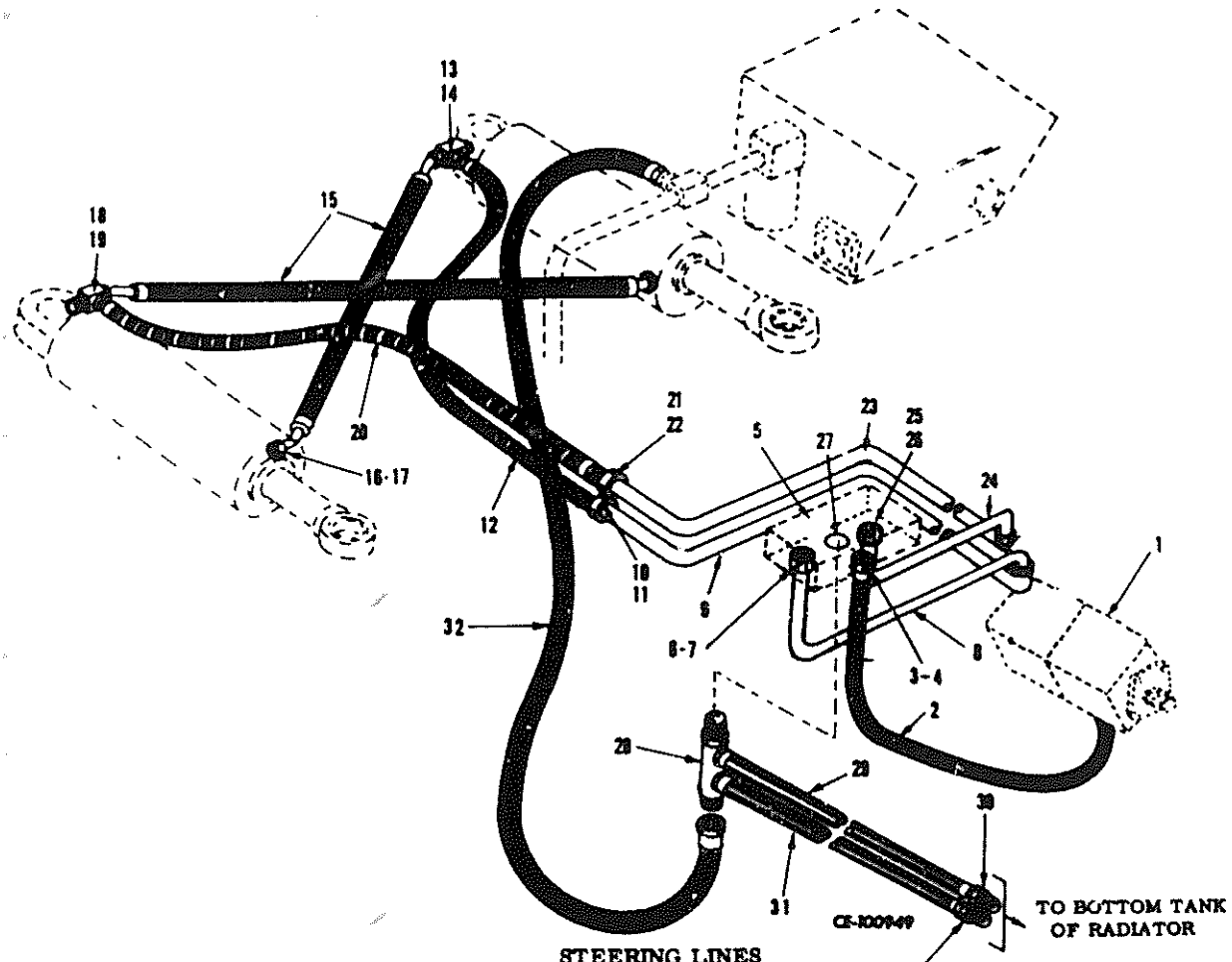
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION



HYDRAULIC RESERVOIR & RELATED PARTS

1	880325C1	RESERVOIR	8	880316C2	NECK, Return
	181361	SCREW, Cap - 3/8 NF x 7/8 (4)	9	103321	WASHER, Lock - 3/8 (4)
	103321	WASHER, Lock - 3/8 (4)	10	179840	SCREW, Cap - 3/8 NC x 1-1/8 (4)
	106263	WASHER, 3/8 Flat (4)	11	197556H2	GASKET
2	880322C91	VALVE, Vacuum Pressure Relief	12		FILTER ASSEMBLY, Hyd. Return (Refer to Reservoir Filter Ass'y.)
	883084C91	KIT, Repair - Valve	13	888386C2	GASKET
3	134045H1	SEAL (2)	14	9410359	PLUG
4	880314C1	GAUGE, Dipstick	15	888347C1	FILTER, Reservoir
5	181370	SCREW, Cap - 3/8 NF x 1-1/4 (4)	16	888385C2	COVER
5A	181364	BOLT - 3/8 NF x 7/8 (6)	17	570828R1	"O" RING
6	125003H1	WASHER, Sealing (10)			
7	166853H1	GASKET			

HYDRAULICS & CONTROLS



STEERING LINES

REF. NO.	PART NUMBER	DESCRIPTION
1		PUMP, hydraulic (Refer to Hydraulic Pump)
		LINE-PUMP TO VALVE
	708560R1	"O" RING
	877949C2	FLANGE, Split (2)
	179840	SCREW, Cap - 3/8NC x 1-1/8 (4)
2	889160C1	HOSE
3	9410205	UNION
4	368269R1	"O" RING
5		VALVE, Steering (Refer to Steering Valve)
6	9410205	UNION
7	368269R1	"O" RING
8	889091C1	TUBE, Bottom
9	889819C1	TUBE
10	155770H1	UNION
11	9410062	NUT, Lock
12	880472C1	HOSE
13	880473C1	TEE
14	364885R1	"O" RING
		LINE-CYLINDER TO CYLINDER
15	880474C1	HOSE (2)
16	9410204	ADAPTER (2)
17	364885R1	"O" RING (2)
		LINE-CYLINDER TO VALVE
18	364885R1	"O" RING
19	880473C1	TEE
20	880472C1	HOSE
21	155770H1	UNION
22	9410062	NUT, Lock
23	889818C1	TUBE
24	889092C1	TUBE
	445684	PLUG, Tube
25	9410205	UNION
26	368269R1	"O" RING
		LINE-VALVE TO BOTTOM TANK OF RADIATOR
27	368269R1	"O" RING
28	894484C1	COUPLING
29	894559C1	HOSE
30	122763H1	ADAPTER (2)
31	894558C1	HOSE
		LINE-VALVE TO RETURN TUBE
32	888514C1	HOSE
	889841C1	BAR
	125905H1	CLAMP
	138793H1	CLAMP (3)
	181360	BOLT, 3/8NF x 3/4 Hex-Hd
	25544R1	WASHER, 3/8 Flat
	103321	WASHER, 3/8 Lock (2)
	103541	WASHER
	25522R1	NUT, 3/8 NC Hex
	102635	NUT, 3/8 NC Hex
	103 026	NUT, 3/8 NF Hex

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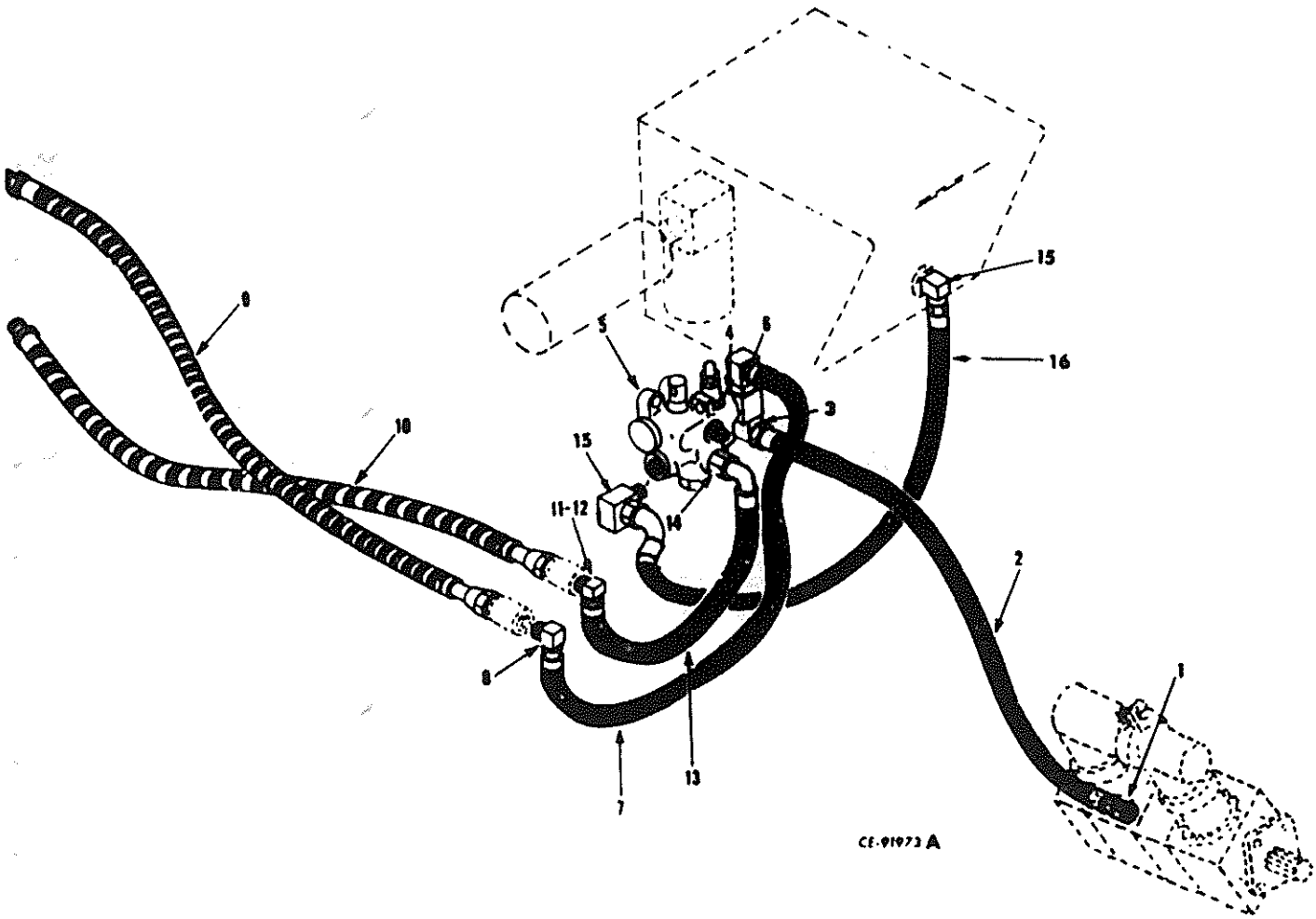
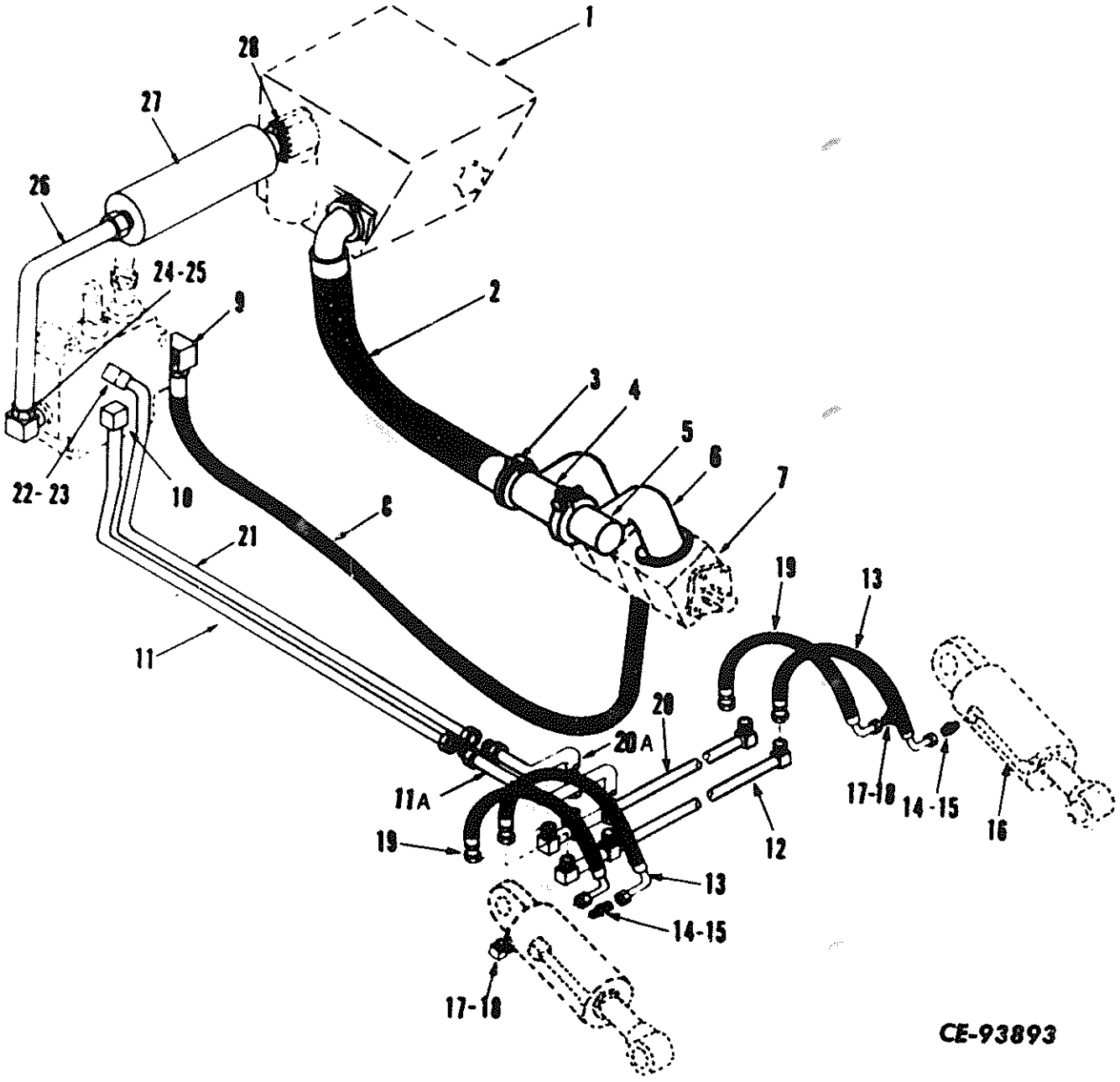


HYDRAULIC LINES (WINCH)
Used On S/N 5055 & Below

REF. NO.	PART NUMBER	DESCRIPTION
		LINE-PUMP TO WINCH VALVE
1	9402711	ADAPTER
2	129965H1	HOSE
3	9402828	ELBOW, 45°
4	454130	TEE
5		VALVE, Winch (See Section 10)
		LINE-VALVE TO WINCH
6	153189H1	ELBOW
7	880609C1	HOSE
8	139567H1	ELBOW
	125905H1	CLAMP
	135096H1	CLAMP
	179847	BOLT - 3/8 NC x 2
	110730	WASHER, Lock - 3/8
	102635	NUT - 3/8 NC
9	880600C1	HOSE
		LINE-WINCH TO VALVE
10	880600C1	HOSE
11	120127	NIPPLE
12	125784H1	ELBOW
13	880609C1	HOSE
14	383118R1	CONNECTOR
		LINE-VALVE TO RETURN MANIFOLD
15	9402867	ELBOW (2)
16	889161C2	HOSE
	444588	PLUG



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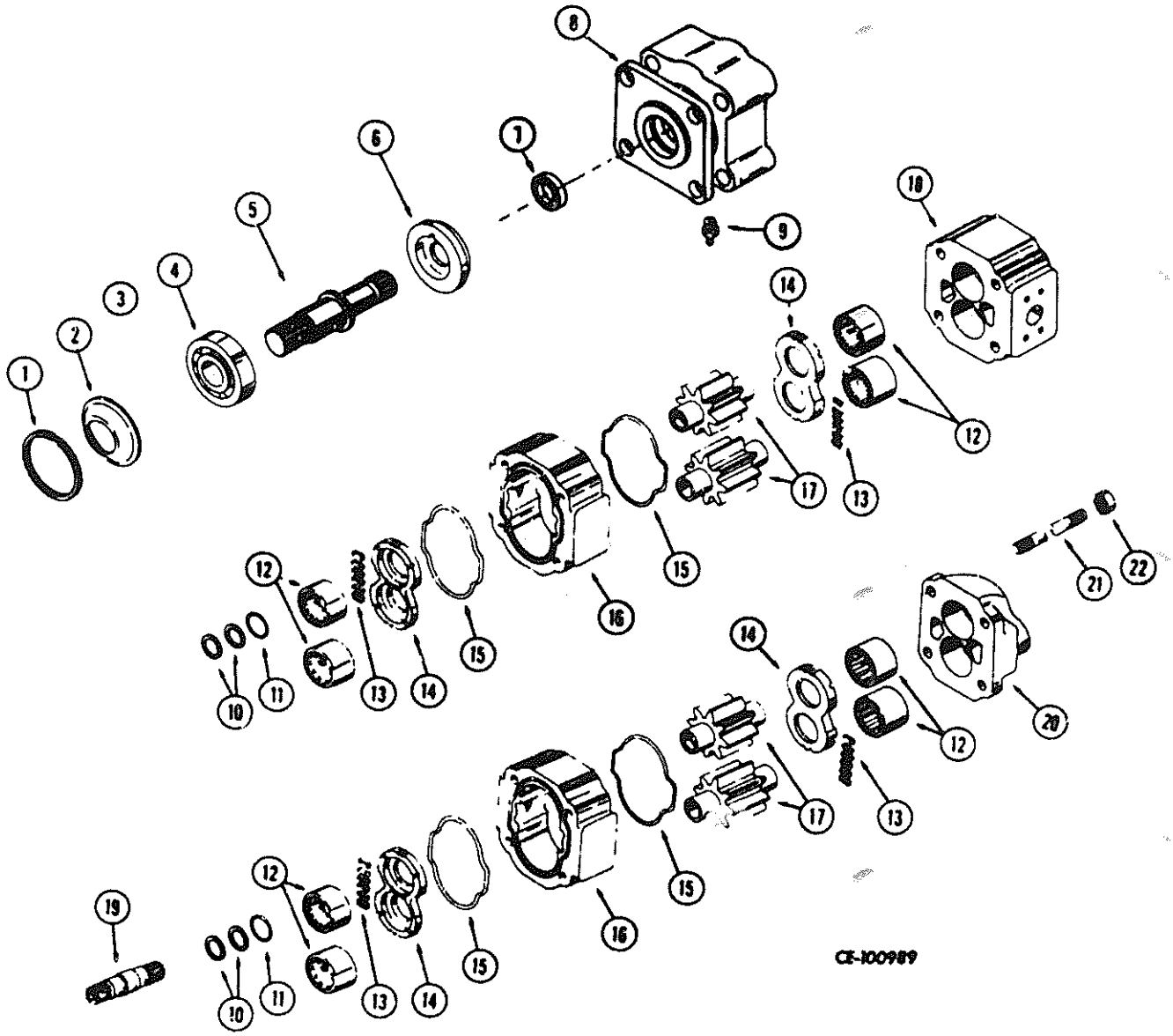
REF. NO.	PART NUMBER	DESCRIPTION
		DOZER LINES
1		RESERVOIR, Hydraulic (Refer to Hydraulic Reservoir)
		LINE-RESERVOIR TO PUMP
2	888589C1	HOSE (05055 and below)
2	921340C1	HOSE (05056 and up)
	327302R1	SPLIT FLANGE (2)
	254091R1	"O" RING
	179887	SCREW, Cap - 1/2 NC x 1-3/4 (4)
3	888585C1	RETAINER
	254091R1	"O" RING (2)
	327302R1	SPLIT FLANGE (4)
	181436	SCREW, Cap - 1/2 NF x 2-1/4 (4)
	103028	NUT, 1/2 NF (4)
4	888314C91	ADAPTER, Tee
5	888315C91	ELBOW
6	888316C91	ADAPTER ASSEMBLY (2)
	890420C91	SEAL
	181249H2	COUPLING
	890419C1	ADAPTER
	128542H1	SPLIT FLANGE (4)
	707253R1	"O" RING (2)
	179861	SCREW, Cap - 7/16 NC x 1-3/8 (8)
7		PUMP, Hydraulic (Refer to Hydraulic Pump)
		LINE-PUMP TO VALVE
	877949C2	SPLIT FLANGE (2)
	708560R1	"O" RING
	179840	SCREW, Cap - 3/8 NC x 1-1/8 (4)
8	888612C1	HOSE
9	9410980	ELBOW, 90°
	297459R1	"O" RING
		LINE-VALVE TO CYLINDERS
10	878164C1	UNION
	364885R1	"O" RING
11	888590C2	TUBE
11A	889817C1	TUBE
	125905H1	CLAMP (1)
	103321	WASHER, Lock - 3/8
	102635	NUT, 3/8 NC
	445684	PLUG-IN-TUBE
12	880617C1	TUBE
	132159H1	CLAMP (2)
	106265	WASHER, Flat - 1/2
	103323	WASHER, Lock - 1/2
	102637	NUT, 1/2 NC
13	880959C1	HOSE (2)
14	9410203	ADAPTER (2)
15	570828R1	"O" RING (2)
16	9410359	PLUG, On Cylinders (2)
	570828R1	"O" RING (2)
		LINE-CYLINDER TO VALVE
17	9410977	ELBOW, 90° (2)
18	570828R1	"O" RING (2)
19	880959C1	HOSE (2)
20	880618C1	TUBE
	132159H1	CLAMP (2)
	106265	WASHER, Flat - 1/2
	103323	WASHER, Lock - 1/2
	102637	NUT, 1/2 NC
20A	889816C1	TUBE
21	888591C2	TUBE
22	878164C1	UNION
23	364885R1	"O" RING
		LINE-VALVE TO RETURN MANIFOLD
24	9410980	ELBOW, 90°
25	297459R1	"O" RING
26	888562C1	TUBE
27	888527C1	MANIFOLD, Return
28	877949C2	SPLIT FLANGE (2)
	179840	SCREW, Cap - 3/8 NC x 1-1/8 (4)
	708560R1	"O" RING



HYDRAULIC PUMP
Used On S/N 5056 & Up

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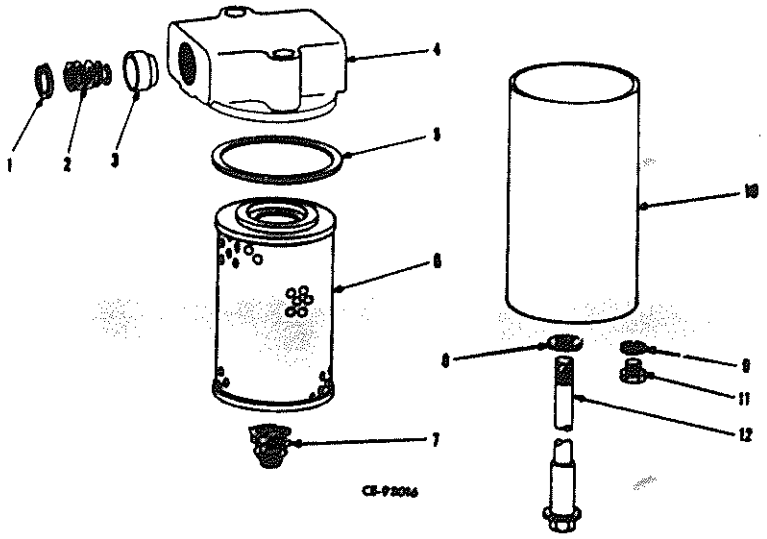
HYDRAULICS & CONTROLS

REF. NO.	PART NUMBER	DESCRIPTION
		HYDRAULIC PUMP **Used On S/N 5056 & Up**
	921339C91	PUMP ASSEMBLY (Includes the following)
	103028	NUT, 1/2 NF (4)
	103323	WASHER, Lock (4)
1	299899R1	RING, Snap
2	889202C1	SHIELD
3		(Not Used In This Application)
4	363953R91	BEARING
5	889204C1	SHAFT
6	889203C1	SPACER
7	885053C91	SEAL
8	889201C1	COVER
9	138322H	FITTING, Grease
10	333730R1	RING, Back-up (4)
11	478543R1	SEAL (2)
12	216570R91	BEARING (8)
13	610874C1	SEAL (2)
14	333736R1	PLATE (4)
15	23386R1	GASKET (4)
16	924893C1	HOUSING (2)
17	884961C1	GEAR SET (2)
18		CARRIER (not furnished separately)
19	333742R1	SHAFT
20	884964C1	COVER
21	924926C1	STUD (4)
22	889333C1	NUT (4)
	139105	SCREW, Set (Front of Pump)
	192413	SCREW (Nameplate) (2)
	890631C1	SINGLE PUMP SERVICE KIT (Includes)
	885053C91	SEAL (1)
	333730R1	RING, Backup (2)
	478543R1	SEAL (1)
	610874C1	SEAL (1)
	23386R1	GASKET (2)
	890632C1	BEARING CARRIER & GEAR SECTION KIT (Includes)
	333730R1	RING, Backup (2)
	478543R1	SEAL (1)
	610874C1	SEAL (1)
	23386R1	GASKET (2)

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

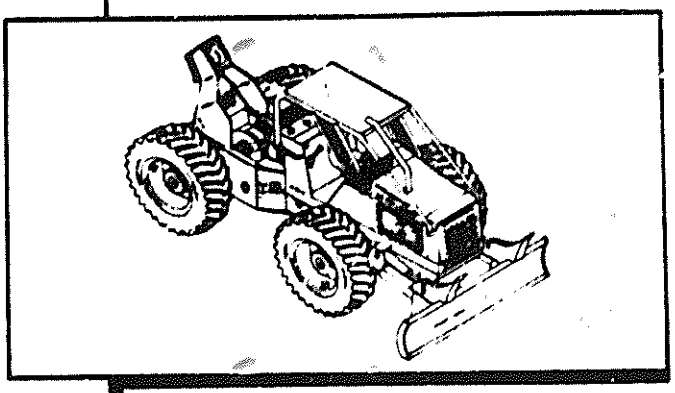


RESERVOIR FILTER ASSEMBLY

	207252H1	FILTER ASSEMBLY, Hydraulic Return	6	876941C91	CARTRIDGE & SEAL RING KIT (Includes Item 5)
	179884	SCREW, Cap - 1/2 NC x 1-3/8 (2)			
	103323	WASHER, Lock - 1/2 (2)	7	207684H1	SPRING
				207687H1	KIT, Gasket (Includes Items 8 & 9)
1	207678H2	RING, Snap	8		GASKET (Not furnished separately)
2	207677H1	SPRING	9		GASKET (Not furnished separately)
3	207676H1	POPPET	10	875002C1	BODY
4	207675H1	BASE	11		(Not Used In This Application)
5		RING, Seal (Not furnished separately)	12	207686H1	BOLT

SECTION 11

INSTRUMENTS



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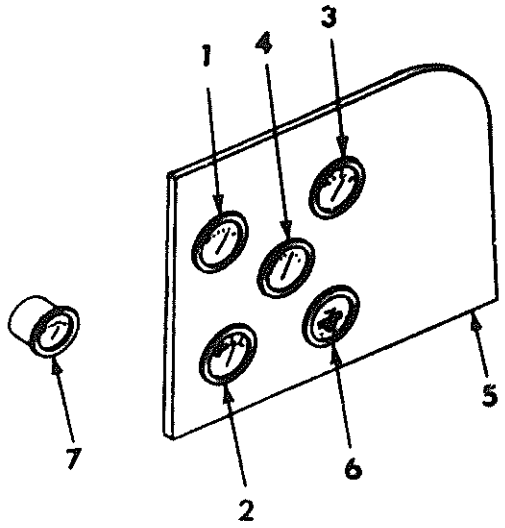
INSTRUMENTS

REF. NO.	PART NUMBER	DESCRIPTION

INSTRUMENT PANEL & RELATED PARTS



CE-93800A

REF. NO.	PART NUMBER	DESCRIPTION
1	885311C1	PACKAGE, Engine Oil Pressure Gauge (Consists of -
		▮ 1 GAUGE
		2 WASHER 120217
		2 WASHER 131044
		2 NUT 120614
		2 NUT 134530)
2	885309C1	PACKAGE, Torque Converter Temperature Gauge (Consists of -
		▮ 1 GAUGE
		2 WASHER 120217
		2 WASHER 131044
		2 NUT 120614
		2 NUT 134530)
3	885310C1	PACKAGE, Engine Temperature Gauge (Consists of -
		▮ 1 GAUGE
		2 WASHER 120217
		2 WASHER 131044
		2 NUT 120614
		2 NUT 134530)
4	885307C1	PACKAGE, Ammeter (Consists of -
		▮ 1 GAUGE
		2 WASHER 120217
		2 WASHER 131044
		2 NUT 120614
		2 NUT 134530)
4	886729C1	PACKAGE, Voltmeter (Consists of -
		▮ 1 GAUGE
		2 WASHER 120217
		2 WASHER 131044
		2 NUT 120614
		2 NUT 134530)
5	880568C1	PANEL, Instrument (05055 and below)
5	892607C1	PANEL, Instrument (05056 thru 05069)
5	924231C1	PANEL, Instrument (05070 and up)
	181309	SCREW, Cap - 1/4 NF x 1/2 (4)
	103319	WASHER, 1/4 Lock (4)
6	921750C91	HOURMETER (05069 and below)
7		GAUGE, Transmission Pressure (Refer to Transmission and Torque Converter)

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BASIC AND REPLACEMENT SERVICE ENGINES

MODEL	ENGINE SERIAL NUMBER
DT-407	407TH2U023577 and up

SKELETON SERVICE ENGINE (DT-407)

for

MODEL S-11A PAY® LOGGER

670 945 C91 SKELETON SERVICE DIESEL ENGINE (DT-407) (See NOTES A and B)

(CONSISTS OF -

CAMSHAFT AND RELATED PARTS

CONNECTING RODS AND PISTONS

CRANKCASE

CRANKCASE FRONT COVER, PLATE, IDLER GEAR AND RELATED PARTS

CRANKCASE OIL PAN

CRANKSHAFT AND RELATED PARTS

GEAR INJECTION PUMP DRIVE
LUBRICATING OIL PUMP)

NOTE B: When Skeleton Service Engine 670 945 C91 is used for Model S-11A PAY® LOGGER units deduct the following parts:

1	Oil Pan	612 284 C11
1	Inlet, Oil Pump Sump	332 545 R91

Add the following parts:

1	Oil Pan	670 922 C91
1	Inlet, Oil Pump Sump	671 726 C91

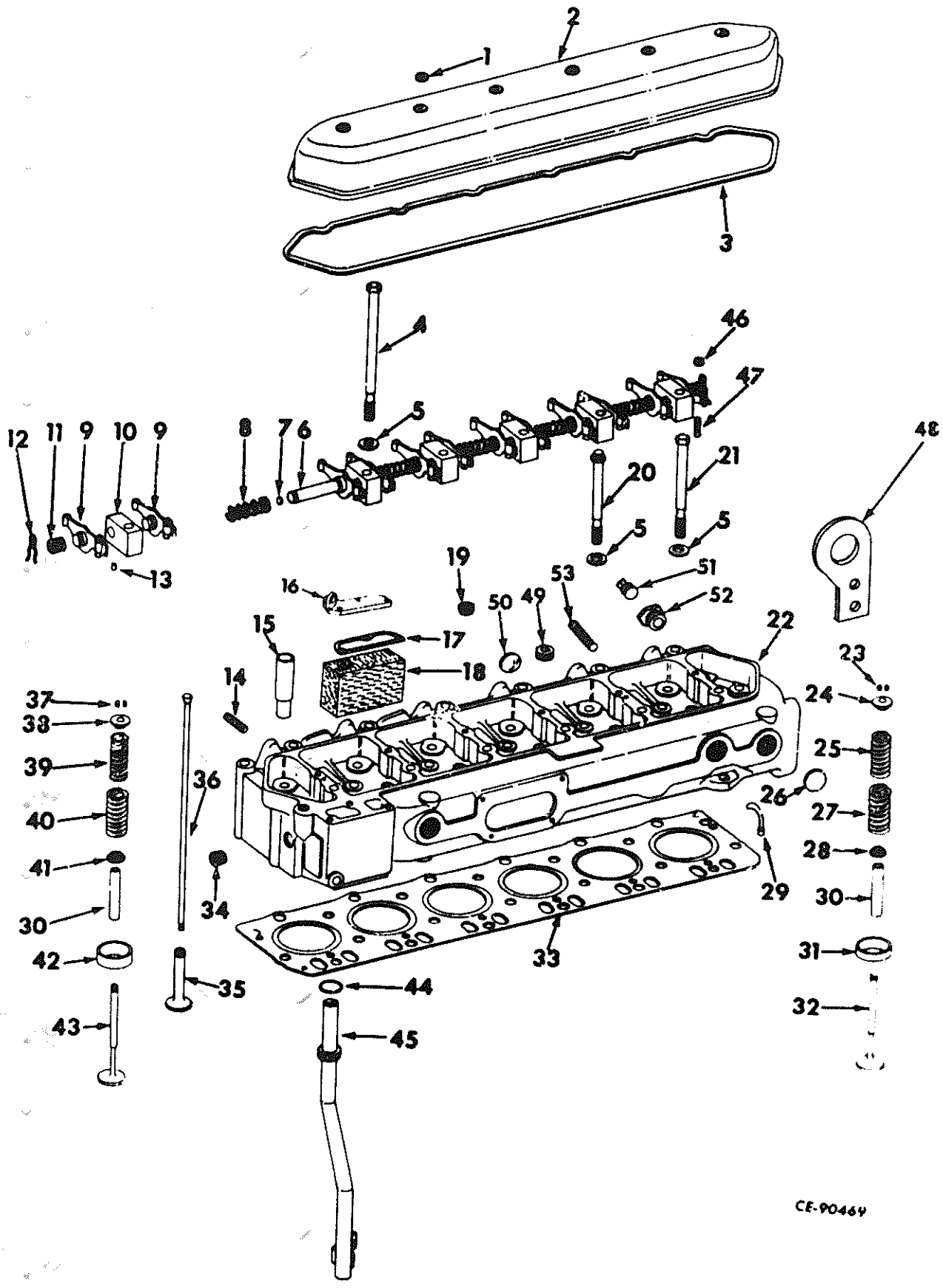
REPLACEMENT SERVICE ENGINE (DT-407)

for

MODEL S-11A PAY® LOGGER

670 493 C91 REPLACEMENT ENGINE (DT-407) (FOR MODEL S-11A PAY® LOGGER WITH ROOSA PUMP AND SCHWITZER TURBOCHARGER) (DIESEL ENGINE COMPLETE FROM WATER PUMP TO FLYWHEEL INCLUSIVE) (SEE NOTE)

NOTE A: When ordering a Service Engine, give complete Serial Number (including letters and numerals) shown on crankcase of engine to be replaced.



CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARMS

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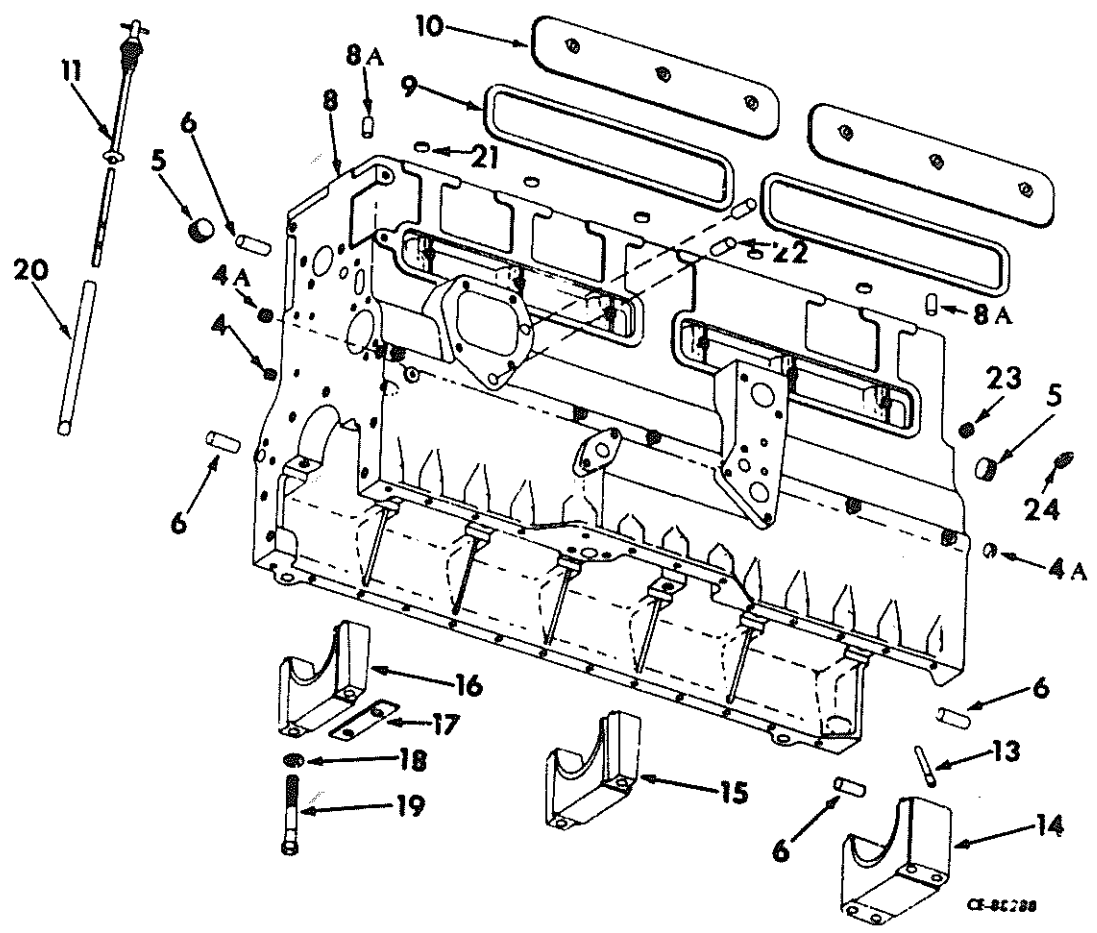
CYLINDER HEAD, VALVE COVER, VALVES AND ROCKER ARMS

REF. NO.	PART NUMBER	DESCRIPTION
1	105 451	GASKET, 3/8" annular (6)
2	601 390 C1	COVER, cylinder head valve
	17 673 R2	SCREW, 3/8 x 3-1/2" hex-hd cap (6)
3	328 678 R1	GASKET, valve cover
4	601 783 C1	BOLT, cylinder head (long) (6)
5	326 515 R1	WASHER, cylinder head bolt (26)
6	326 509 R11	SHAFT w/two PLUG, 109 544 R1, rocker arm
7	109 544 R1	PLUG, 3/4" expansion (2)
8	16 045 D	SPRING, intermediate rocker (5)
9	341 074 R92	ARM w/NUT, 133 093 R1 and SCREW, 16 067 DA, rocker (optional w/ARM ASSY, 58446-HEY) (12)
9	58446-HEY	ARM w/NUT, 133 093 R1 and SCREW, 16 067 DA, rocker (optional w/ARM ASSY, 341 074 R92) (12)
10	326 510 R2	BRACKET, shaft (6)
11	16 043 D	SPRING, front and rear rocker (2)
	16 051 D	WASHER, rocker spring (2)
12	133 927 R1	RING, snap (2)
13	17 244 R1	PIN, 5/16 x 1-1/4" roll (2)
14	250 450 R1	STUD, manifold (8)
15	326 503 R1	SLEEVE, injector (6)
16	607 260 C11	EYE, front lifting
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (3)
	179 906	9/16 x 1-1/2" hex-hd cap SCREW
	103 321	3/8" lock WASHER (3)
	103 324	9/16" lock WASHER
17	609 402 C1	GASKET, breather cover
18	330 397 R1	ELEMENT, breather
19	9 409 949	PLUG, 3/4" sq-soc pipe (6)
20	601 781 C1	BOLT, cylinder head (short) (7)
21	601 782 C1	BOLT, cylinder head (medium) (13)
22	670 323 C92	HEAD ASSY, cylinder (Composed of -
	1 BUSHING	142 765
	12 GUIDE	326 505 R3
	#1 HEAD	
	6 INSERT	670 301 C1
	6 INSERT	670 805 C1
	1 PLUG	444 588
	1 PLUG	444 654
	1 PLUG	444 678
	4 PLUG	601 244 C1
	6 PLUG	9 409 949
	5 PLUG	601 093 C1
	6 SLEEVE	326 503 R1
	8 STUD	250 450 R1
	4 STUD	612 267 C1
	6 TUBE	326 504 R1)
23	32 485 D	LOCK, intake valve spring retainer (12)
24	615 324 C1	RETAINER, intake valve spring (12)
25	684 060 C1	SPRING, intake valve inner (6)
26	601 093 C1	PLUG, core hole (5)
27	684 061 C1	SPRING, intake valve outer (6)
28	341 284 R1	SPACER, valve spring (6)
29	326 504 R1	TUBE, jet (6)
30	326 505 R3	GUIDE, valve (12)
31	670 805 C1	INSERT, intake valve seat (Std.)(6)
31	349 023 R1	INSERT, intake valve seat (.005" oversize) (x)
31	349 024 R1	INSERT, intake valve seat (.015" oversize) (x)
32	670 811 C1	VALVE, intake (optional with VALVE, 670 812 C1) (6)
32	670 812 C1	VALVE, intake (optional with VALVE, 670 811 C1) (6)
33	670 672 C1	GASKET, cylinder head
34	444 678	PLUG, 1" sq-soc pipe
35	16 040 DD	TAPPET, valve (12)
36	343 465 R91	ROD, valve push (12)
37	32 485 D	LOCK, exhaust valve spring retainer (12)
38	615 324 C1	RETAINER, exhaust valve spring (6)
39	684 058 C1	SPRING, exhaust valve inner (6)
40	684 059 C1	SPRING, exhaust valve outer (6)
41	343 734 R91	ROTO COIL, exhaust valve (6)
42	670 301 C1	INSERT, exhaust valve seat (std.) (x)
42	670 303 C1	INSERT, exhaust valve seat (.005" oversize) (x)
42	670 304 C1	INSERT, exhaust valve seat (.015" oversize) (x)
43	341 350 R1	VALVE, exhaust (optional with 612 313 C1) (6)
43	612 313 C1	VALVE, exhaust (optional with 341 350 R1) (6)
44	350 818 R1	"O" RING, breather tube (1 x 1-1/4 x 1/8")
45	328 957 R11	TUBE, breather outlet
	179 835	3/8 x 5/8" hex-hd cap SCREW
	103 321	3/8" lock WASHER
46	133 093 R1	NUT, rocker arm adjusting (12)
47	16 067 DA	SCREW, rocker arm adjusting (12)
48	330 267 R1	EYE, rear lifting
	179 861	7/16 x 1-3/8" hex-hd cap SCREW (2)
	103 342	15/32 x 59/64 x No. 16 ga WASHER (2)
49	444 654	PLUG, 1/4" sq-soc pipe
50	601 244 C1	PLUG, 1-1/4" sq-soc pipe (4)
51	444 588	PLUG, 1/2" sq-hd pipe
52	142 765	BUSHING, 1-1/4 x 1/2"
53	612 267 C1	STUD, manifold and fuel filter mounting bracket
	670 325 C93	PACKAGE, cylinder head gasket (includes the following)
	105 451	GASKET, 3/8" annular (6)
	670 848 C1	GASKET, exhaust manifold (6)
	326 818 R1	GASKET, thermostat housing elbow (2)
	326 820 R1	GASKET, thermostat housing
	327 755 R1	GASKET, air intake
	328 678 R1	GASKET, valve cover
	609 402 C1	GASKET, breather cover
	670 672 C1	GASKET, cylinder head
	253 660 R1	GASKET, turbocharger oil inlet
	369 497 R2	GASKET, turbocharger air outlet
	341 464 R1	GASKET, turbocharger oil drain
	670 035 C1	GASKET, turbocharger flange
	601 076 C1	GASKET, nozzle (6)
	607 258 C1	GASKET, thermostat housing
	364 879 R1	"O" RING, injection nozzle dust (7/8 x 1-1/16 x 3/32") (6)
	915 500 R1	SLEEVE, leakoff tube (6)

- Not Furnished Separately
x - As Required

REF. NO.	PART NUMBER	DESCRIPTION



CRANKCASE AND RELATED PARTS

REF. NO.	PART NUMBER	DESCRIPTION
4	315 365 R1	PLUG, metering
4A	444 783	PLUG, 3/8" pipe (2)
5	22 263 R1	PLUG, 1-5/8" cup (5)
6	19 838 R1	DOWEL (4)
8	670 896 C92	CRANKCASE ASSY (Composed of -
	1	ADAPTER 670 534 C1
	12	BEARING 7 911 T
	1	BEARING 70 260 R1
	1	BEARING 77 514 R1
	1	BEARING 332 573 R1
	1	BEARING 332 629 R1
	1	BRACE 332 574 R2
	14	BOLT 328 729 R1
	1	CAP 349 048 R1
	1	CAP 349 049 R1
	5	CAP 349 050 R1
	#1	CRANKCASE
	4	DOWEL 19 838 R1
	2	DOWEL 19 962 R1
	2	DOWEL 258 917 R1
	1	DRAWING, crankcase rework IZG-7167
	3	PLUG 445 684
	3	PLUG 444 782
	5	PLUG 22 263 R1
8	670 896 C92	CRANKCASE ASSY (Composed of - Continued
	1	PLUG 444 667
	2	PLUG 50 410 DA
	1	PLUG 315 365 R1
	5	PLUG 347 822 R1
	#6	SLEEVE
	13	WASHER 326 575 R1)
8A	258 917 R1	DOWEL, pin (2)
9	328 739 R1	GASKET, cover (2)
10	601 812 C1	COVER, valve lift rod (2)
	179 816	5/16 x 3/4" hex-hd cap SCREW (6)
	302 861 R1	WASHER (7)
11	670 921 C91	GAUGE, oil level
13	343 464 R1	TUBE, oil jet (12)
14	349 049 R1	CAP, rear main bearing
15	349 050 R1	CAP, intermediate main bearing (5)
16	349 048 R1	CAP, front main bearing

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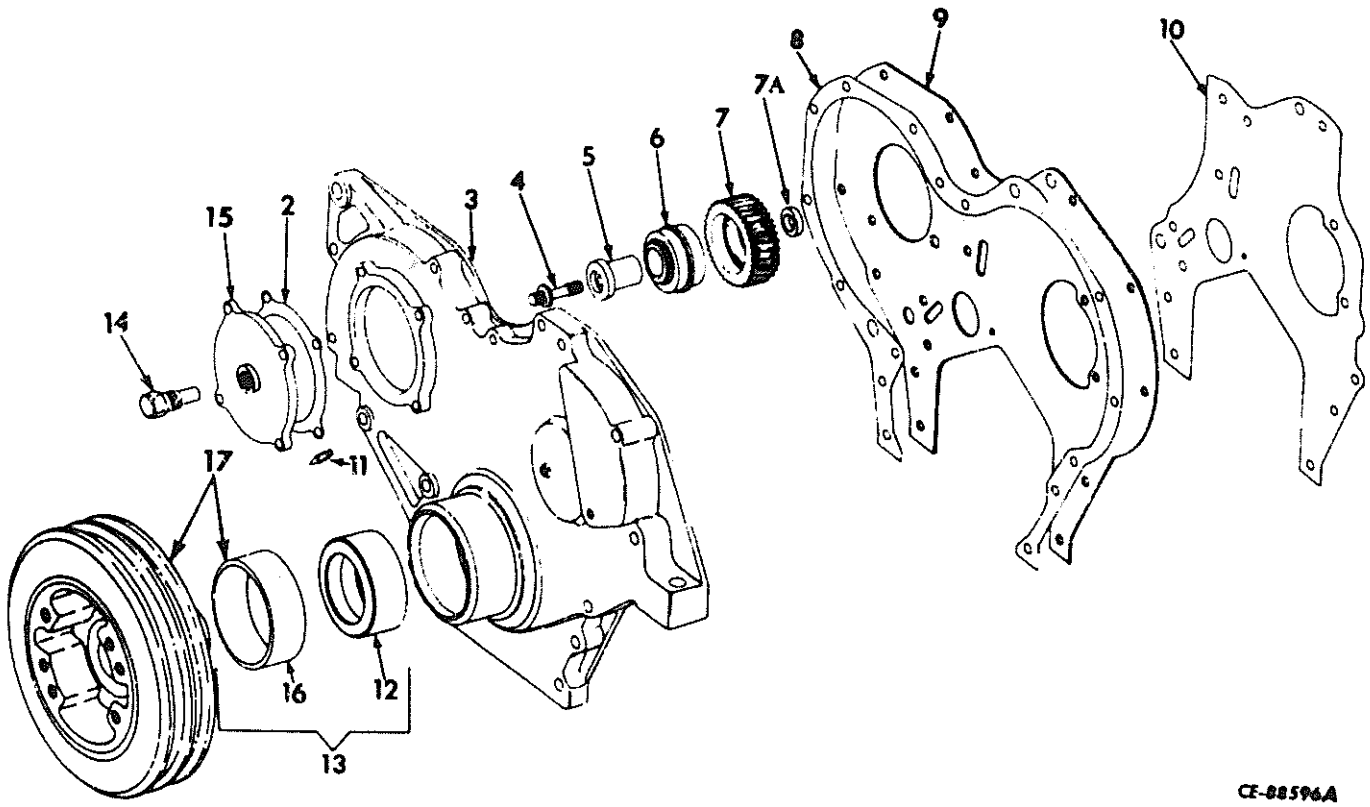
REF. NO.	PART NUMBER	DESCRIPTION
		CRANKCASE AND RELATED PARTS (Continued)
17	332 574 R2	BRACE, oil pump inlet
18	326 515 R1	WASHER, bearing cap (13)
19	328 729 R1	BOLT, main bearing cap (14)
20	607 293 C1	TUBE, oil filler
21	347 822 R1	PLUG, core hole (5)
22	19 962 R1	DOWEL, (3/8 x 3/4") (2)
23	50 410 DA	PLUG, 1/8" hex-soc pipe (2)
24	445 684	PLUG, 1/8" sq-hd pipe (optional with 444 671) (3)
24	444 671	PLUG, 1/8" sq-hd pipe (Optional with 445 684) (3)
	362 120 R1	CLIP, generator cable harness (2)
	179 835	3/8 x 5/8" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	20 975 R1	PLUG, 1-1/4" pipe
	350 818 R1	"O" RING, 1 x 1-1/4 x 1/8"
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
	670 324 C92	PACKAGE, crankcase gaskets (consists of the following)
	59 658 D	GASKET, drain plug
	304 573 R1	GASKET, cranking motor
	326 580 R1	GASKET, front cover
	326 582 R1	GASKET, injection pump cover
	328 731 R1	GASKET, oil pan
	328 735 R1	GASKET, front plate
	328 739 R1	GASKET, valve lifter cover (2)
	328 842 R1	GASKET, injection pump mounting plate
	328 846 R1	GASKET, flywheel housing
	328 862 R1	GASKET, water pump
	332 303 R1	GASKET, seal face plate
	332 544 R1	GASKET, crankcase oil outlet
	601 381 C1	GASKET, oil pump cover
	332 536 R1	GASKET, oil pump mounting
	332 549 R1	GASKET, oil pump inlet
	332 555 R1	GASKET, oil cooler flange inlet and outlet (2)
	332 566 R1	GASKET, flange
	337 242 R1	GASKET, cooler header (2)
	345 247 R1	GASKET, cooler header
	612 180 C1	GASKET, fuel line connector (12)
	22 282 R1	"O" RING, PTO drive
	252 735 R1	"O" RING, equipment pump drive cover
	300 328 R1	"O" RING, flywheel housing cover
	382 781 R1	"O" RING, tachometer drive
	285 253 R1	"O" RING, water pump bearing housing
	343 396 R2	"O" RING, crankcase to pump tube (2)
	343 398 R2	"O" RING, filter header to cooler header tube
	346 895 R1	"O" RING, injection pump (Roosa-Master)
	349 055 R2	"O" RING, oil pump safety valve
	350 818 R1	"O" RING, breather tube
	343 398 R2	"O" RING, cooler to filter tube (2)
	360 610 R1	"O" RING, idler gear shaft

(X) - As Required.

REF. NO.	PART NUMBER	DESCRIPTION

REF. NO.	PART NUMBER	DESCRIPTION



CRANKCASE FRONT COVER AND IDLER GEAR

2	326 582 R1	GASKET, injection pump cover
3	670 535 C11	COVER w/INDICATOR, 601 256 C1 and STUD, 32 445 D, crankcase front
	103 026	3/8NF NUT (2)
	179 849	3/8 x 2-1/2" hex-hd cap SCREW (5)
	181 381	3/8NF x 2-1/2" hex-hd cap SCREW
	179 888	1/2 x 1-7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (7)
	181 385	3/8 x 3" hex-hd cap SCREW
4	670 033 C1	BOLT, counter bore
5	326 583 R2	SHAFT, idler gear (together with SPACER, 601 740 C1, will work for SHAFT, 326 583 R1)
6	327 185 R91	BEARING, idler gear
7	326 612 R1	GEAR, injection pump idler
7A	601 740 C1	SPACER (used with SHAFT 326 583 R2)
8	326 580 R1	GASKET, front cover
9	328 732 R11	PLATE w/two DOWEL, 19 841 R1 and two NUT, 674 295 C1, crankcase front
	179 838	3/8 x 7/8" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
10	328 735 R1	GASKET, front plate
11	601 256 C1	INDICATOR, timing (Pressed in type)
12		OIL SEAL, crankshaft front (order PACKAGE, 606 780 C93)
13	606 780 C93	PACKAGE, oil seal and wear sleeve field service (consists of SEAL and SLEEVE, 606 779 C2)
14	606 792 C91	BUTTON, thrust
15	341 523 R11	COVER, injection pump
	311 979 R1	BOLT (4)
16	606 779 C2	SLEEVE, wear
17	701 036 C93	DAMPER w/SLEEVE, 606 779 C2 vibration
	349 354 R1	BOLT, vibration damper (4)
	19 841 R1	DOWEL (2)
	674 295 C1	NUT, spline (2)
	32 445 D	STUD, 3/8 x 3/8NF x 1-9/16"

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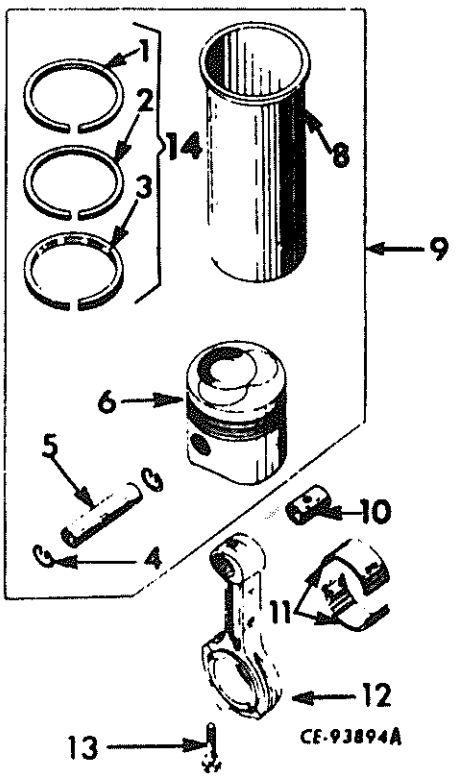
CONNECTING RODS, PISTONS AND CYLINDER SLEEVES



REF. NO.	PART NUMBER	DESCRIPTION
1		RING, piston (Top compression) (Order PACKAGE, 674 728 C91 or 674 729 C91)
2		RING, piston (intermediate compression) (Order PACKAGE, 674 728 C91 or 674 729 C91)
3		RING, piston (oil regulating) (Order PACKAGE, 674 728 C91 or 674 729 C91)
4	326 874 R1	RETAINER, piston pin (12)
5	670 571 C1	PIN, piston (6)
6	670 677 C1	PISTON (6)
8	670 293 C21	SLEEVE w/installation INSTRUCTIONS 1 085 368 R2, cylinder (6)
9	670 725 C91	PACKAGE w/installation INSTRUCTIONS 1 085 369 R1, piston and sleeve 670 293 C21 field service (6)
10	670 681 C1	BUSHING, piston pin (6)
11	323 962 R11	BEARING, connecting rod (two halves) (standard) (6)
11	341 573 R11	BEARING, connecting rod (two halves) (.002" under size) (6)
11	341 576 R11	BEARING, connecting rod (two halves) (.010" undersize) (6)
11	341 579 R11	BEARING, connecting rod (two halves) (.020" undersize) (6)
11	341 582 R11	BEARING, connecting rod (two halves) (.030" undersize) (6)
12	670 678 C91	ROD w/two BOLT, 326 563 R2 and BUSHING, 670 681 C1 connecting (6)
13	326 563 R2	BOLT, connecting rod (12)
14	674 728 C91	PACKAGE, piston ring field service (Consists of three RINGS)(Sealed Power)(Optional w/PACKAGE, 674 729 C91)(6)
14	674 729 C91	PACKAGE, piston ring field service (Consists of three RINGS)(Koppers) (Optional w/PACKAGE, 674 728 C91) (6)
	680 343 C91	PACKAGE, piston and rings (Consists of PISTON, two RETAINER, 326 874 R1, and three RING) (x)

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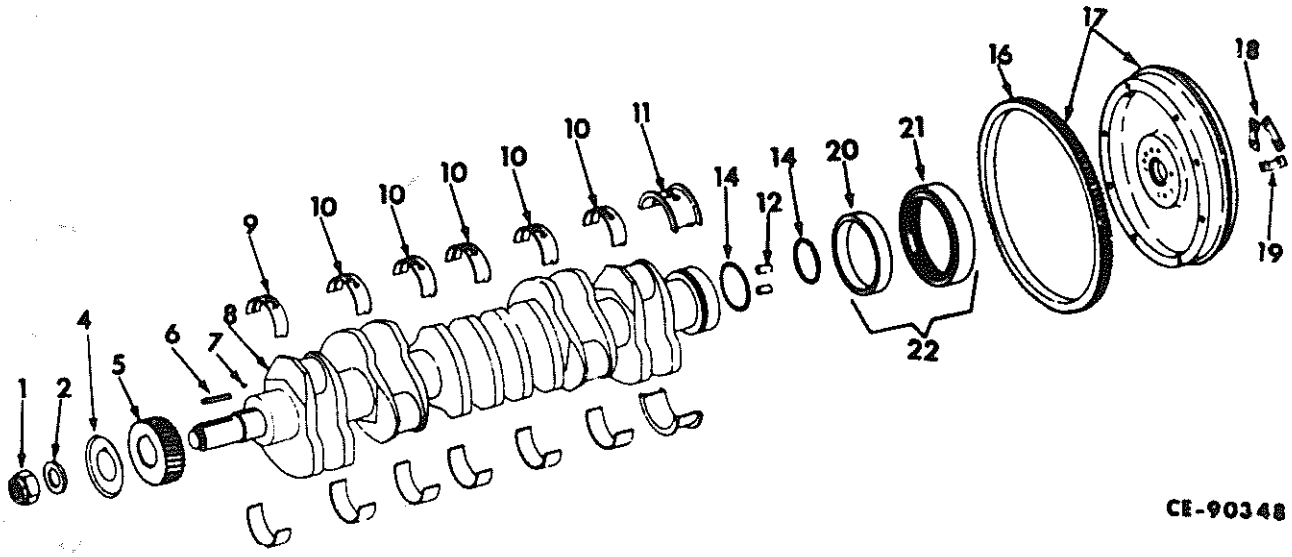

CRANKSHAFT AND FLYWHEEL

REF. NO.	PART NUMBER	DESCRIPTION
1	625 348 C1	NUT, starting
2	116 451 H	WASHER, starting nut
4	612 280 C1	SLINGER, oil
5	326 705 R1	GEAR, crankshaft
6	332 421 R2	KEY, vibration damper
7	124 556	KEY, 1/4 x 1-1/8" (Woodruff No. 18)
8		CRANKSHAFT, (standard) (order PACKAGE, 670 020 C91)
9	328 771 R91	BEARING, crankshaft front (two halves) (standard)
9	341 536 R91	BEARING, crankshaft front (two halves) (.002" undersize)
9	341 545 R91	BEARING, crankshaft front (two halves) (.010" undersize)
9	341 554 R91	BEARING, crankshaft front (two halves) (.020" undersize)
9	341 563 R91	BEARING, crankshaft front (two halves) (.030" undersize)
10	328 774 R91	BEARING, crankshaft intermediate (two halves) (standard) (5)
10	341 539 R91	BEARING, crankshaft intermediate (two halves) (.002" undersize) (5)
10	341 548 R91	BEARING, crankshaft intermediate (two halves) (.010" undersize) (5)
10	341 557 R91	BEARING, crankshaft intermediate (two halves) (.020" undersize) (5)
10	341 566 R91	BEARING, crankshaft intermediate (two halves) (.030" undersize) (5)
11	328 777 R91	BEARING, crankshaft rear (two halves) (standard)
11	341 542 R91	BEARING, crankshaft rear (two halves) (.002" undersize)
11	341 551 R91	BEARING, crankshaft rear (two halves) (.010" undersize)
11	341 560 R91	BEARING, crankshaft rear (two halves) (.020" undersize)
11	341 569 R91	BEARING, crankshaft rear (two halves) (.030" undersize)
12	19 838 R1	DOWEL (4)
14	456 736 R1	RING, snap
16	61 544 H	GEAR, ring
17	670 486 C11	FLYWHEEL w/GEAR, 61 544 H
18	345 472 R1 349 390 R1	PLATE, lock bolt (2) BOLT (4)
19	345 473 R1 349 390 R1	PLATE, lock bolt BOLT (2)
20		SLEEVE, oil seal wear (order PACKAGE, 680 113 C91
21		OIL SEAL, crankshaft rear (order PACKAGE, 680 113 C91

(Continued on following page)

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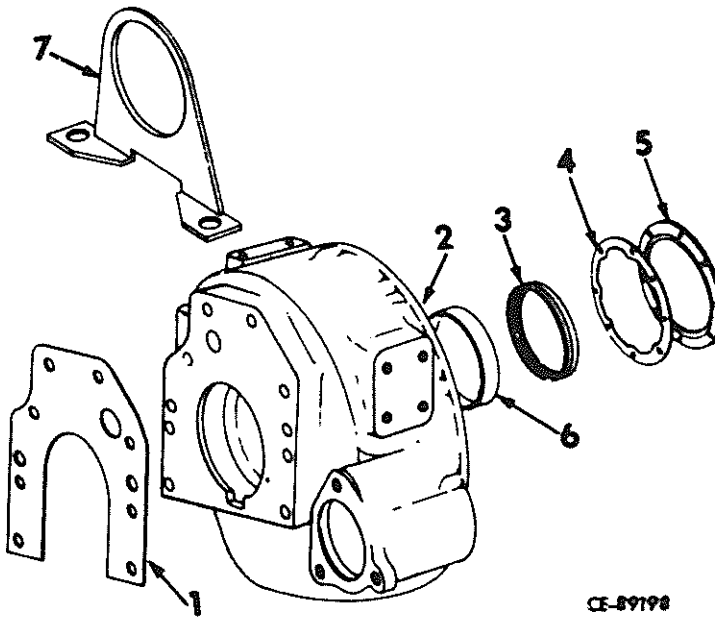
REF. NO.	PART NUMBER	DESCRIPTION
		CRANKSHAFT AND FLYWHEEL (Continued)
22	680 113 C91	PACKAGE, oil seal and wear sleeve field service (consists of crankshaft rear oil seal installation DRAWING, 1ZG 6788, OIL SEAL and SLEEVE)
	670 020 C91	PACKAGE, crankshaft field service (standard) (Consists of - 1 BEARING 328 771 R91 5 BEARING 328 774 R91 1 BEARING 328 777 R91 6 BEARING 323 962 R11 §1 CRANKSHAFT 2 DOWEL 19 838 R1 6 PLUG 50 410 DA)
	50 410 DA	PLUG, pipe (6)
	343 828 R1	PLUG, cup
	601 743 C1	RETAINER, oil seal (also listed and illustrated with "Front Engine Support and Flywheel Housing")



REF. NO.	PART NUMBER	DESCRIPTION
		FLYWHEEL HOUSING AND FRONT ENGINE SUPPORT
1	328 846 R1	GASKET, flywheel housing
2	671 819 C1 179 885 103 323	HOUSING, flywheel 1/2 x 1-1/2" hex-hd cap SCREW (8) 1/2" lock WASHER (8)
3		OIL SEAL, crankshaft rear (order PACKAGE 680 113 C91)
4	332 303 R1	GASKET, face plate or retainer
5	601 743 C1 214 168 R1	RETAINER, oil seal BOLT, 5/16 x 7/8" (Nylok) (6)
6		WEAR SLEEVE, oil seal (order PACKAGE 680 113 C91)
7	612 123 C11	SUPPORT, front engine
	680 113 C91	PACKAGE, seal and wear sleeve field service (consists of DRAWING, crankshaft rear oil SEAL installation, 1ZG-6788, SLEEVE and SEAL)
	444 678	PLUG, 1" pipe

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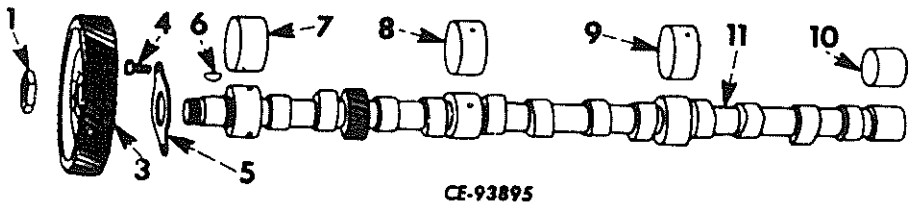
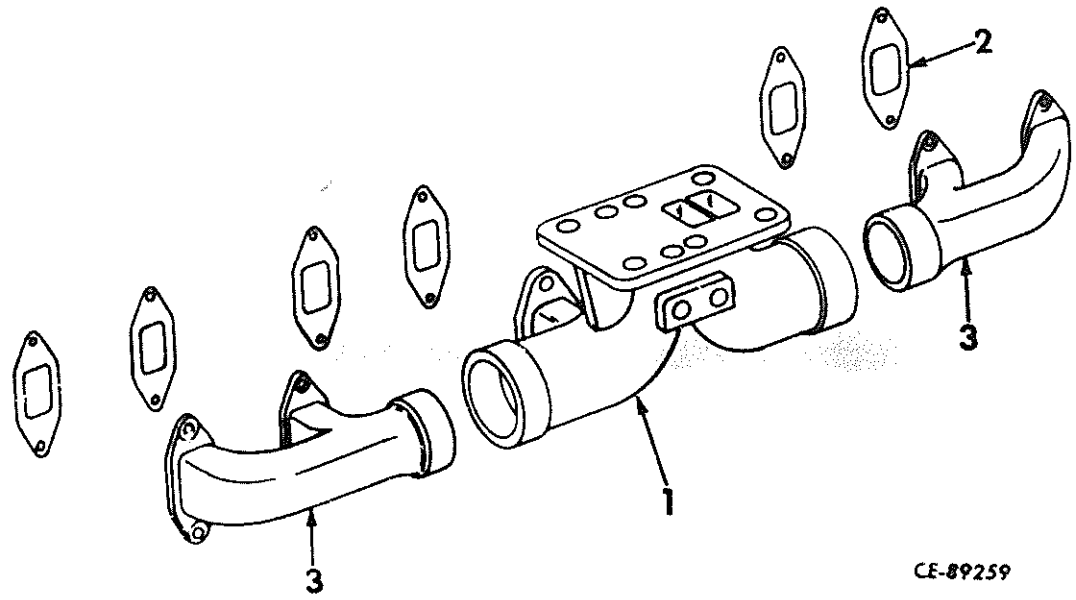
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION



CE-93895

CAMSHAFT AND RELATED PARTS

1	16 026 DB	NUT, camshaft gear	7	332 573 R1	BEARING, camshaft (front)
3	131 858 R1	GEAR, camshaft	8	70 260 R1	BEARING, camshaft (No. 2)
4	70 425 R1	BOLT, camshaft thrust plate (2)	9	332 629 R1	BEARING, camshaft (No. 3)
5	16 027 DB	FLANGE, camshaft thrust	10	77 514 R1	BEARING, camshaft (rear)
6	127 559	KEY, 1/4 x 3/4" camshaft gear (Woodruff No. 91)	11	670 349 C1	CAMSHAFT



CE-89259

EXHAUST MANIFOLD

1	670 813 C91	MANIFOLD w/PLUG 444 577, center	2	670 848 C1	GASKET, exhaust manifold (6)
	250 451 R1	NUT, exhaust manifold stud (4)	3	607 251 C1	MANIFOLD, front and rear exhaust (2)
	444 577	PLUG, 1/4" sq-hd pipe (2)		250 451 R1	NUT, exhaust manifold stud (8)
	351 678 R1	STUD, exhaust manifold (4)			

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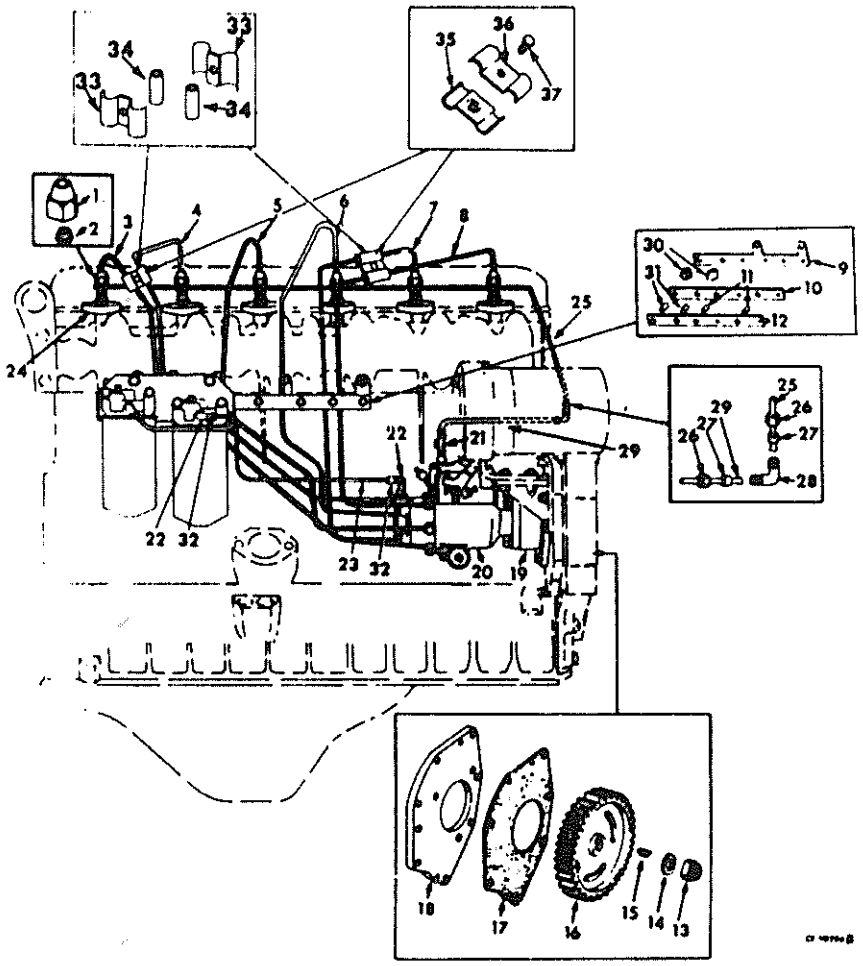
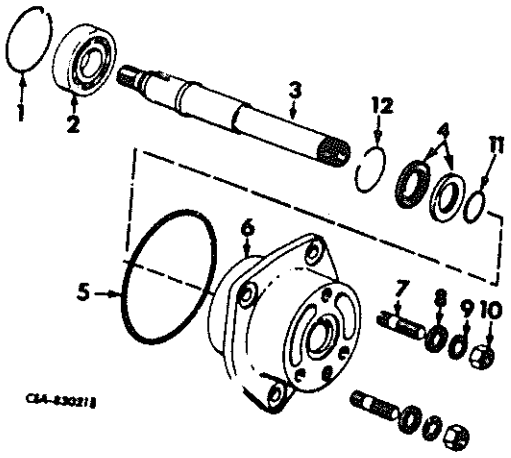
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION

FUEL INJECTION PUMP, PIPES AND CONNECTIONS



1	250 617 R1	NUT, injection tube (6)	17	328 842 R1	GASKET, injection pump mounting, plate
	612 180 C1	GASKET, fuel line connector (12)			
2	250 610 R2	SLEEVE, injection tube (6)	18	328 841 R1	PLATE, injection pump mounting
3	701 233 C2	PIPE, injection No. 6		324 235 R1	BOLT (2)
				103 026	3/8 NF NUT (2)
4	701 232 C1	PIPE, injection No. 5		179 850	3/8 x 2-3/4" hex-hd cap SCREW
				186 310	3/8 NF x 3-1/2" hex-hd cap SCREW (2)
5	701 231 C1	PIPE, injection No. 4		103 321	3/8" lock WASHER (3)
6	701 230 C1	PIPE, injection No. 3	19		DRIVE, injection pump (for components see list of parts under details of "Injection Pump Drive")
7	701 229 C2	PIPE, injection No. 2			
8	701 228 C2	PIPE, injection No. 1		179 840	3/8 x 1-1/8" hex-hd cap SCREW (3)
				103 321	3/8" lock WASHER (3)
9	670 009 C11	CLAMP w/two NUT, 674 295 C1, injection line		103 341	13/32 x 13/16" x 16 ga WASHER (3)
10	670 010 C2	PAD, injection line clamp (2)	20	702 520 C92	PUMP ASSEMBLY, fuel injection (2500 RPM) (DCGFC-627-3EG) (Refer to Parts Catalog PU-70 for service parts) (When complete pump 702 520 C92 is required for service order Basic Pump 672 709 C92 and add the following part 1 Delivery Valve 606 142 C1 Deduct the following parts 1 Adjusting spacer arm 347 779 R1 1 Delivery Valve 625 957 C1 1 Throttle lever adjusting spacer 347 778 R1 1 Throttle lever positioning screw 368 026 R1
11	19 387 R1	PIN, 7/16 x 3/4" roll (3)			
12	670 011 C21	CLAMP w/three PIN, 19 387 R1, and two SPACER 670 012 C1, injection line 1/4 NF x 1-1/4" hex-hd cap			
	181 317	SCREW (4) 9/32 x 5/8" x 16 ga			
	103 339	WASHER (4)			
13	625 340 C1	NUT, lock			
14	341 508 R1	WASHER			
15	124 546	KEY, 5/32 x 5/8" Woodruff			
16	341 525 R1	GEAR, injection pump drive			

REF. NO.	PART NUMBER	DESCRIPTION
		FUEL INJECTION PUMP, PIPES AND CONNECTIONS
20	627 082 C91	PUMP ASSEMBLY, fuel injection (2500 RPM) (DCGFC-627-5JP) (When complete pump 627 082 C91 is required for service, order basic pump, 672 709 C92 and add the following part 1 Delivery Valve 606 142 C1 Deduct the following parts 1 Adjusting spacer arm 347 779 R1 1 Delivery Valve 625 957 C1 1 Throttle lever adjusting spacer 347 778 R1 1 Throttle lever positioning screw 368 026 R1
21	615 370 C1	TEE (in pump)
22	606 845 C1	ELBOW, 1/4 NPT x 90° flare (2)
23	612 273 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE, 265 204 R1, final filter to injection pump
24		HOLDER ASSEMBLY, nozzle (for components see list of parts under details of "Nozzle Holder") (6)
	179 844	3/8 x 1-5/8" hex-hd cap SCREW (12)
25	612 222 C11	TUBE w/NUT, 915 499 R1 and SLEEVE 915 500 R1, fuel return (upper)
	364 879 R91	SEAL, "O" ring dust (6)
	915 500 R1	SLEEVE, rubber (6)
26	915 499 R1	NUT, fuel return tube (upper and lower) (3)
	336 980 R1	SLEEVE, hex-hd (6)
27	915 500 R1	SLEEVE, fuel return tube (upper and lower) (3)
28	615 369 C1	ELBOW, tube union
29	612 223 C11	TUBE w/two NUT, 915 499 R1 and two SLEEVE, 915 500 R1 leakoff return to pump (lower)
30	674 295 C1	NUT, injection line clamp (2)
31	670 012 C1	SPACER, injection line clamp (2)
32	265 205 R1	NUT, final filter tube (2)
	265 204 R1	SLEEVE (2)
33	701 155 C1	CLAMP ASSY, fuel line (Optional w/CLIP, 674 851 C1, CLIP, 674 852 C1, and SCREW, 682 301 C1) (4) (S/N 28289 and up)
34	258 079 C1	GROMMET, fuel line (Optional w/CLIP, 674 851 C1, CLIP, 674 852 C1, and SCREW, 682 301 C1) (4) (S/N 28289 and up)
35	674 851 C1	CLIP, inj. pipe (Speed Nut) (Optional w/CLAMP ASSY, 701 155 C1 and GROMMET, 258 079 C1) (4) (S/N 28289 and up)
36	674 852 C1	CLIP, inj. pipe (Speed) (Optional w/CLAMP ASSY, 701 155 C1 and GROMMET, 258 079 C1) (4) (S/N 28289 and up)
37	682 301 C1	SCREW, inj. pipe clamp (Optional w/CLAMP ASSY, 701 155 C1 and GROMMET, 258 079 C1) (S/N 28289 and up)



INJECTION PUMP DRIVE
(Roosa-Master, Hartford Machine Screw Company)

1	346 876 R1	RING, bearing retainer
2	346 893 R91	BEARING, drive shaft
3	606 832 C91	SHAFT, without ring 368 030 R1 drive
4	372 762 R91	SEAL, drive shaft
5	346 895 R1	SEAL, mounting adapter
6	619 762 C1	ADAPTER, mounting
7	324 688 R1	STUD, mounting (2)
8	142 619 H	WASHER, stud (2)
9		WASHER, stud (3/8" internal tooth lock) (2)
10		NUT, 3/8" mounting stud (2)
11	368 030 R1	"O" RING, drive shaft
12	273 026 R1	RING, seal retaining snap

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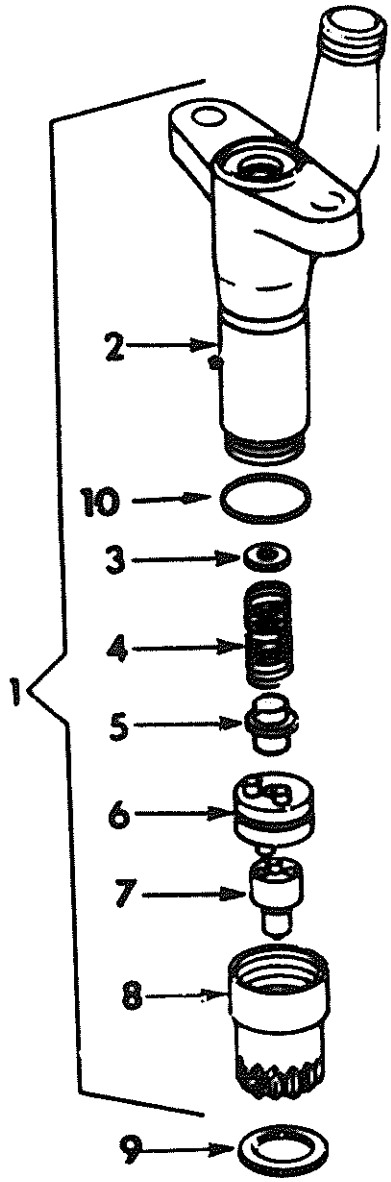
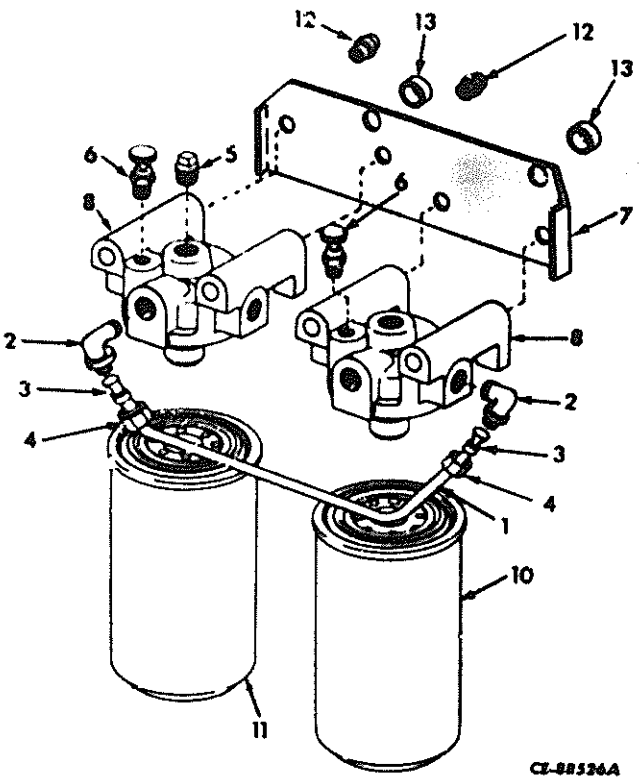


CEA-83973A

REF. NO.	PART NUMBER	DESCRIPTION
		NOZZLE HOLDER (Robert Bosch Corporation)
1	702 541 C91	NOZZLE AND HOLDER ASS'Y. (6)
2		BODY, holder (Not Furnished Separately)
3	615 109 C1	SHIM (.077) (x)
3	615 100 C1	SHIM (.075) (x)
3	615 111 C1	SHIM (.073) (x)
3	615 112 C1	SHIM (.071) (x)
3	615 113 C1	SHIM (.069) (x)
3	615 114 C1	SHIM (.067) (x)
3	615 115 C1	SHIM (.065) (x)
3	615 116 C1	SHIM (.063) (x)
3	615 117 C1	SHIM (.061) (x)
3	615 118 C1	SHIM (.059) (x)
3	615 119 C1	SHIM (.057) (x)
3	615 120 C1	SHIM (.055) (x)
3	615 121 C1	SHIM (.053) (x)
3	615 122 C1	SHIM (.051) (x)
3	615 123 C1	SHIM (.049) (x)
3	615 124 C1	SHIM (.047) (x)
3	615 125 C1	SHIM (.045) (x)
3	615 126 C1	SHIM (.043) (x)
3	615 127 C1	SHIM (.041) (x)
3	615 128 C1	SHIM (.039) (x)
4	615 105 C1	SPRING (6)
5	615 106 C1	SEAT, spring lower (6)
6	615 107 C1	PLATE, intermediate (6)
7	702 746 C1	NOZZLE (6)
8	615 108 C1	NUT, nozzle cap (6)
9	601 076 C1	GASKET, nozzle (Not furnished as part of NOZZLE and HOLDER ASSEMBLY) (6)
10	364 879 R1	"O" RING, dust seal, 7/8 x 1-1/16 x 3/32" (Not furnished as Part of Nozzle and Holder Assembly) (6)
	615 103 C91	HOLDER ASSEMBLY, nozzle (6) (Composed of -
	#1	BODY
	1	NUT 615 108 C1
	1	PLATE 615 107 C1
	1	SEAT 615 106 C1
	x	SHIM 615 109 C1
	1	SPRING 615 105 C1)

- Not Furnished Separately

(x) - As Req'd



PRIMARY AND FINAL FUEL FILTERS

REF. NO	PART NUMBER	DESCRIPTION
1	612 272 C11	TUBE w/two NUT, 265 205 R1 and two SLEEVE 265 204 R1 primary to final filter
2	606 845 C1	ELBOW, primary filter outlet (2)
3	265 204 R1	SLEEVE (2)
4	265 205 R1	NUT (2)
5	444 654	PLUG, 1/4" NPT pipe (4)
6	39 677 DA	VALVE, bleed (2)
7	701 109 C1	BRACKET w/two NUT 674 295 C1 and two WASHER, 262 046 R1 fuel filter mounting (also illustrated with "Fuel Injection Pump, Pipes and Connections")
	103 028	1/2" NUT (2)
	103 323	1/2" lock WASHER (2)
	186 285	3/8 x 4" hex-hd cap SCREW (4)
	103 341	13/32 x 13/16" x 16 ga. WASHER (4)
	186 289	3/8 x 5" hex-hd cap SCREW (2)
8	612 277 C2	HEADER, filter (2)
10	702 142 C1	FILTER, final fuel (Short Type) (Purolator No. SK-6669471)
10	702 253 C1	FILTER, final fuel (Long Type) (Purolator No. SK-6670744)
11	625 626 C1	FILTER, primary fuel (Short Type) (Purolator No. SK-6672592)
11	625 627 C1	FILTER, primary fuel (Long Type) (Purolator No. SK-6672593)
11	702 256 C1	FILTER, water separa r primary fuel (part of Attachment 670 069 C91) (Purolator No. SK-6672596)
12	674 295 C1	NUT, spline (filter mounting bracket) (2)
13	262 046 R1	WASHER (filter mounting bracket) (2)
	670 069 C91	ATTACHMENT, primary fuel filter and water separator (consists of FILTER, 702 256 C1) (see NOTES 1 and 3)

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

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

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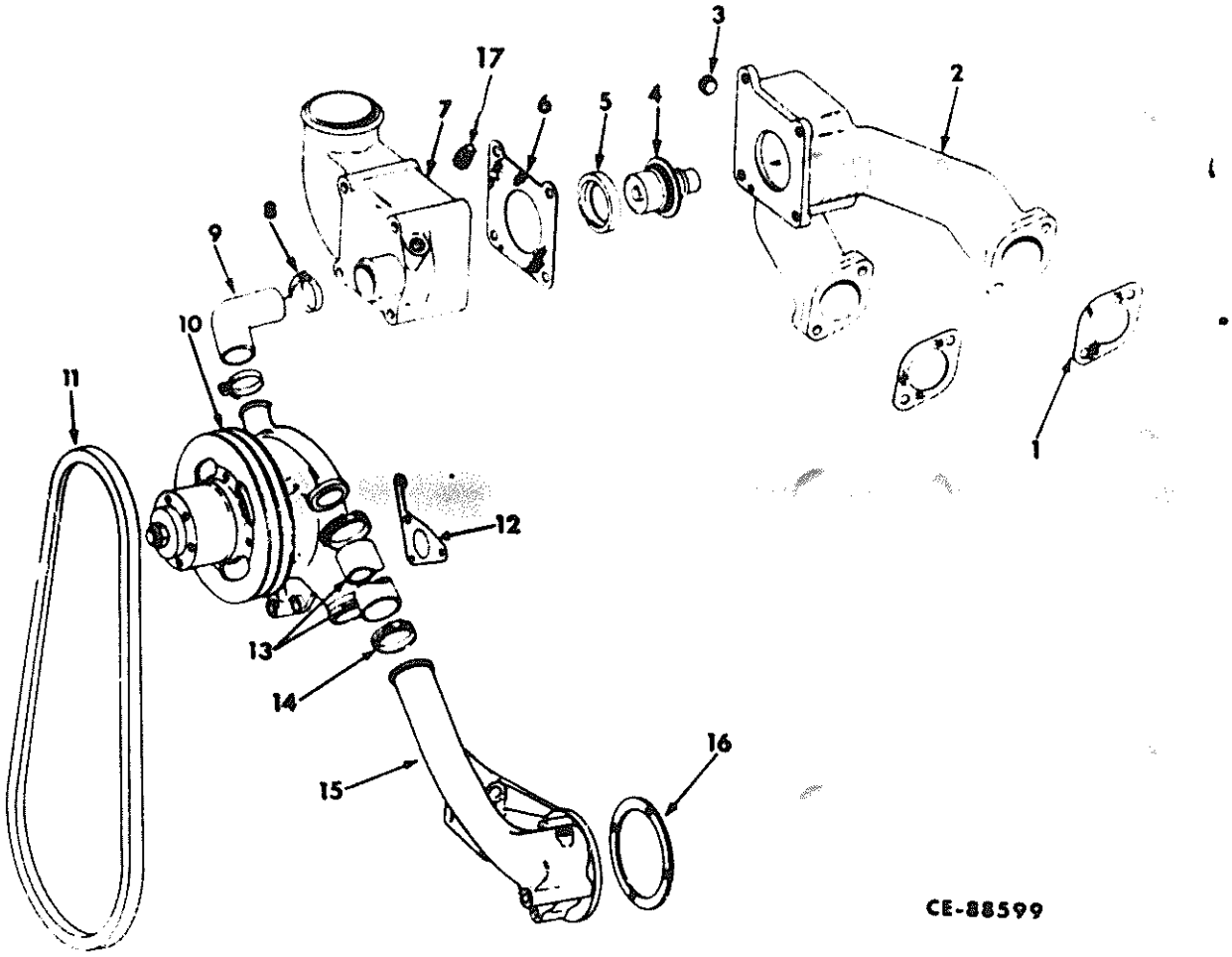
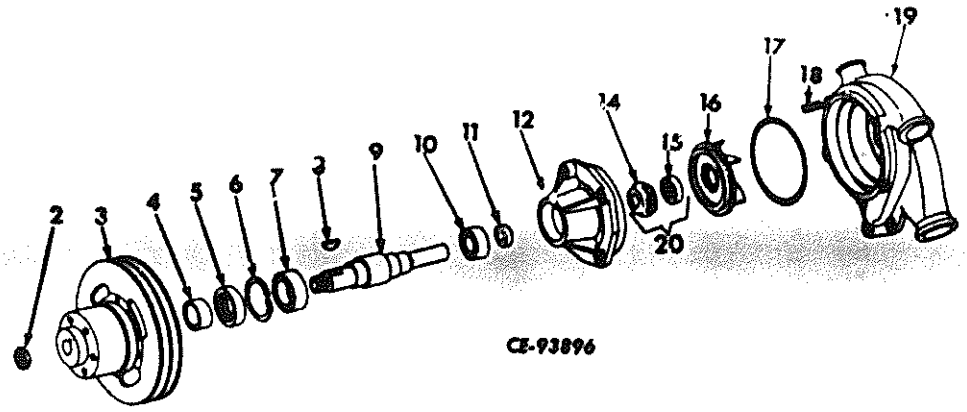


WATER PUMP, THERMOSTAT AND RELATED PARTS

REF. NO.	PART NUMBER	DESCRIPTION
1	326 818 R1	GASKET, elbow (2)
2	607 257 C11	ELBOW w/PLUG, 445 751, thermostat housing mounting
	179 844	3/8 x 1-5/8" hex-hd cap SCREW (3)
	186 282	3/8 x 3-1/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER (4)
3	445 751	PLUG, 1/2" pipe
4	619 735 C1	THERMOSTAT (185-200°) (Optional with thermostat 619 736 C1) (AR)
4	619 736 C1	THERMOSTAT (180-202°) (Optional with thermostat 619 735 C1) (AR)
4	326 978 R1	THERMOSTAT (175-190°) (Optional with thermostat 702 346 C1)
4	702 346 C1	THERMOSTAT (170-192°) (Optional with thermostat 326 978 R1)
5	615 175 C91	RING, thermostat seal
6	607 258 C1	GASKET, thermostat housing
7	607 256 C11	HOUSING w/PLUG 444 660 and PIN 19 407 R1
	179 850	3/8 x 2-3/4" hex-hd cap SCREW (4)
	103 321	3/8" lock WASHER (4)
8	279 024 R91	CLAMP, hose (2)
9	607 259 C1	HOSE, by-pass
10		PUMP ASS'Y., water (for component see list of parts under details of "Water Pump and Pulley")
11	670 711 C1	BELT, fan & alternator (set of two)
12	328 892 R1	GASKET, water pump
13	407 006 R1	HOSE, water pump to front oil cooler header (1-3/4 x 2-1/8 x 3-1/4") *
14	274 087 R91	CLAMP, hose (2)
15	607 254 C2	HEADER, front oil cooler
	179 827	5/16 x 2-1/4" hex-hd cap SCREW (7)
	186 272	5/16 x 4" hex-hd cap SCREW
	186 282	3/8 x 3-1/4" hex-hd cap SCREW
	179 845	3/8 x 1-3/4" hex-hd cap SCREW
	103 320	5/16" lock WASHER (8)
	103 321	3/8" lock WASHER (2)
16	337 242 R1	GASKET, front oil cooler
17	444 660	PLUG, thermostat housing
	384 554 R1	CLIP, water temperature tube (on thermostat housing mounting bolt)
	19 407 R1	PIN, slotted spring

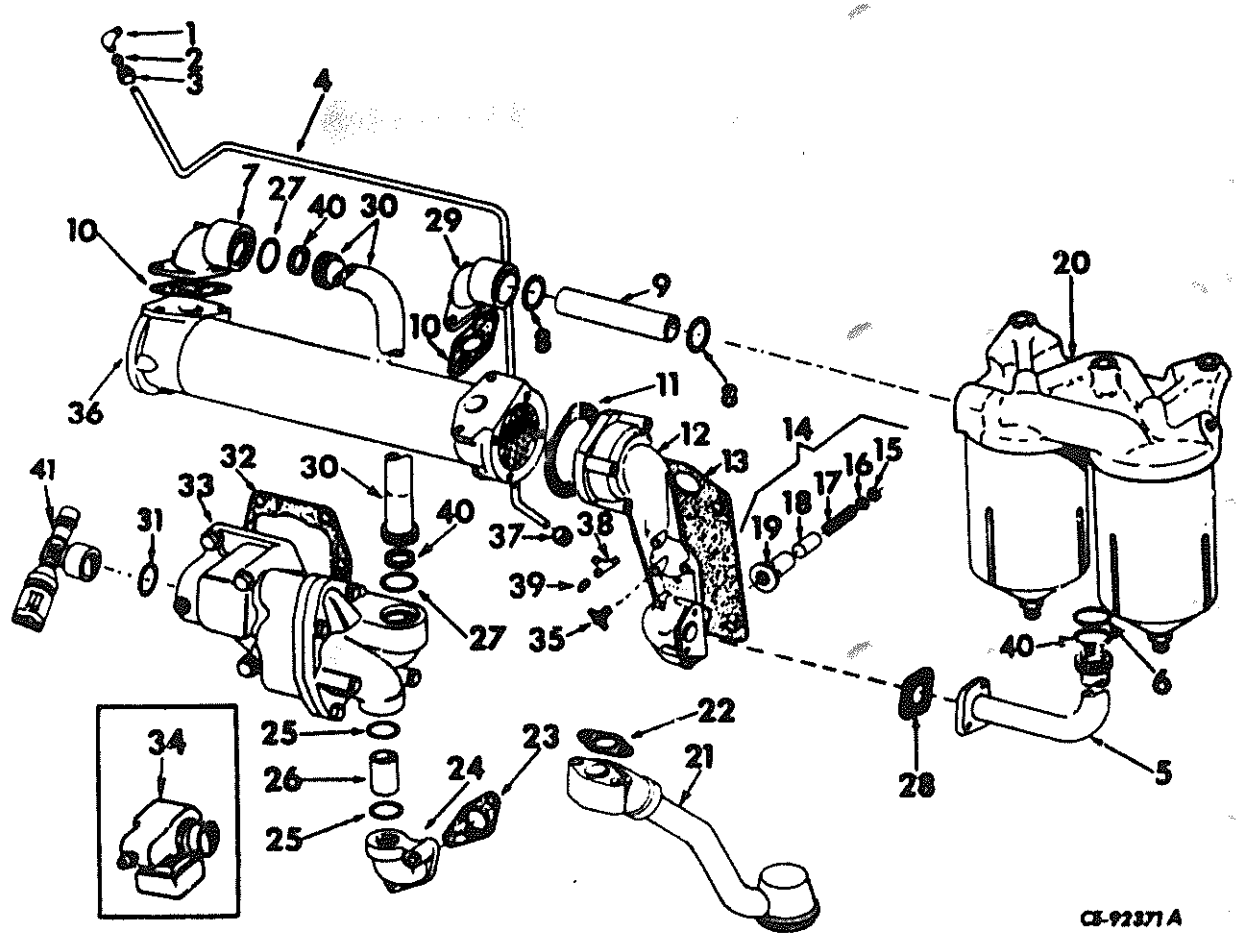
* - Make From Bulk Stock, Bulk Stock Is Furnished in Three Foot Lengths. Part Number Is For One Foot Of Hose Only.



ST PUMP AND PULLEY

REF. NO.	PART NUMBER	DESCRIPTION
2	625 342 C1	NUT, 7/8NF
3	332 445 R1	PULLEY, fan
4	326 721 R1	SPACER, water pump
5	610 136 C91	SEAL, water pump shaft
6	456 736 R1	RING, snap
7	ST 715	BEARING, ball (front)
8	124 549	KEY, Woodruff (3/16 x 3/4")
9	345 081 R1	SHAFT, water pump
10	ST 441	BEARING, ball (rear)
11	610 051 C91	OIL SEAL, rear
12	328 889 R1	HOUSING, bearing
	103 026	3/8NF NUT (4)
	103 321	3/8" lock WASHER (4)
*4		SEAL, water pump (order PACKAGE, 701 331 C92)
15	684 432 C1	SEAT, water pump seal
16	332 311 R1	IMPELLER, water pump
17	285 253 R1	"O" RING (5-1/2 x 5-3/4 x 1/8")
18	273 050 R1	STUD (4)
19	607 253 C11	BODY w/four STUD 273 050 R1, water pump
	179 888	1/2 x 1-7/8" hex-hd cap SCREW
	179 890	1/2 x 2-1/4" hex-hd cap SCREW (3)
	116 105	17/32 x 1-1/16" x 13 ga. copper WASHER (4)
20	701 331 C92	PACKAGE, water pump seal field service (consists of water pump SEAL and SEAT, 265 164 C91)
	609 459 C93	PACKAGE, water pump field service (Consists of -
	1 BEARING	ST 441
	1 BEARING	ST 715
	1 GASKET	328 892 R1
	1 IMPELLER	332 311 R1
	1 KEY	124 549
	1 NUT	18 501 R1
	1 PACKAGE	701 331 C92
	1 RING	285 253 R1
	1 RING	456 736 R1
	1 SEAL	610 136 C91
	1 SEAL	610 051 C91
	1 SHAFT	345 081 R1
	1 SPACER	326 721 R1)
	701 335 C92	PACKAGE, water pump bearing housing field service (Consists of -
	1 BEARING	ST441
	1 BEARING	ST715
	1 HOUSING	328 889 R1
	1 IMPELLER	332 311 R1
	1 KEY	124 549
	1 NUT	625 342 C1
	1 RING	456 736 R1
	*1 SEAL	
	1 SEAL	610 051 C91
	1 SEAL	610 136 C91
	1 SEAT	265 164 C91
	1 SHAFT	345 081 R1
	1 SPACER	326 721 R1)

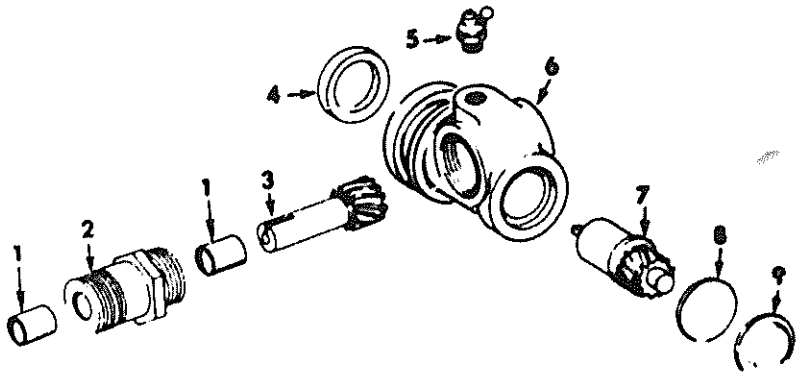
* - Not Furnished Separately



ENGINE OIL COOLER, FILTER AND PUMP PIPING

REF. NO.	PART NUMBER	DESCRIPTION
1	606 894 C1	ORIFICE (brass) oil gallery to cylinder head tube
2	615 092 C1	SLEEVE, (brass) oil gallery to cylinder head tube
3	615 091 C1	NUT, (brass) oil gallery to cylinder head tube
4	607 265 C1	TUBE, oil gallery to cylinder head
5	332 564 R11	TUBE w/GLAND, 332 551 R1, filter header to rear cooler header
	179 817	5/16 x 7/8" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
6	343 398 R2	"O" RING, filter header to cooler header tube (1-1/4 x 1-1/2 x 1/8") (2)
7	332 554 R1	ELBOW, oil cooler front
	179 817	5/16 x 7/8" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
8	343 396 R2	"O" RING, cooler to filter tube (1-1/8 x 1-3/8 x 1/8") (2)
9	607 264 C1	TUBE, cooler to filter
10	332 555 R1	GASKET, oil cooler elbow (2)
11	337 242 R1	GASKET, oil cooler to header
12	607 263 C1	HEADER, pressure regulator valve and rear oil cooler
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (2
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (2
	179 848	3/8 x 2-1/4" hex-hd cap SCREW
	103 321	3/8" lock WASHER (5)
13	345 247 R1	GASKET, cooler header
14	341 195 R92	VALVE ASSY, pressure regulating
15		RING, valve spring seat snap (Not Furnished Separately)
16		SEAT, valve spring (Not Furnished Separately)
17		SPRING, valve (Not Furnished Separately)
18		VALVE, pressure regulating (Not Furnished Separately)
19		HOUSING, Valve (Not Furnished Separately)

REF. NO.	PART NUMBER	DESCRIPTION
		ENGINE OIL COOLER, FILTER AND PUMP PIPING (Continued)
20		FILTER ASSY, lubricating oil (for components see list of parts under details of "Lubricating Oil Filter")
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (3)
	103 321	3/8 lock WASHER (3)
21	671 726 C91	INLET, oil pump
	179 845	3/8 x 1-3/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
22	332 549 R1	GASKET, oil pump inlet
23	332 544 R1	GASKET, oil outlet elbow
24	332 543 R1	ELBOW, crankcase oil outlet
	179 839	hex-hd cap SCREW
	179 847	hex-hd cap SCREW
	103 321	3/8 lock WASHER (2)
25	343 396 R2	"O" RING, oil outlet to pump tube (1-1/8 x 1-3/8 x 1/8") (2)
26	332 542 R1	TUBE, crankcase oil outlet to pump
27	343 398 R1	"O" RING, oil pump to oil cooler tube (1-1/4 x 1-1/2 x 1/8") (2)
28	332 566 R1	GASKET, filter header to rear cooler header tube
29	607 262 C1	ELBOW, oil cooler rear
	179 817	5/16 x 7/8" hex-hd cap SCREW (3)
	179 825	5/16 x 1-7/8" hex-hd cap SCREW
	103 320	5/16" lock WASHER (4)
30	607 261 C11	TUBE w/two GLAND, 332 551 R1, pump to cooler
31	382 781 R1	"O" RING, oil pump end plug (1-3/4 x 1-15/16 x 3/32")
32	332 536 R1	GASKET, oil pump mounting
33	332 520 R94	PUMP ASSY, oil (for components see list of parts under details of "Oil Pump")
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	186 283	3/8 x 3-1/2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
34	343 486 R91	TACHOMETER, drive (for components see list of parts under details of "Tachometer Drive") 407TH2U506704 & Below
35	9 982 T	VALVE, water drain
36	606 895 C91	COOLER, oil (optional w/606 896 C92)
36	606 896 C92	COOLER, oil (optional w/606 895 C91)
	444 624	PLUG, oil cooler pipe
37	19 984 R1	NUT, 1/4" nylon insert tube
38	16 898 R1	TEE
39	444 571	PLUG, 1/8" pipe
40	332 551 R1	GLAND, 1/8" "O" ring (3)
41	619 580 C92	RECORDER, service 407TH2U056705 and Up
	670 652 C1	SCREW, set
	279 673 R91	SEAL, wire



TACHOMETER DRIVE **CS-88598A**

	343 486 R91	DRIVE ASSY, Tachometer (Consists of the following parts)
1		BUSHING, tachometer housing connector (Not Furnished Separately)(2)
2	343 490 R11	CONNECTOR w/two BUSHING tachometer housing
3	343 487 R11	GEAR, tachometer driven
4	347 311 R91	OIL SEAL, drive shaft (Victor 49675-PE)
5	62 022 R91	FITTING, 1/8" lubrication (Alemite 1610B)
6		HOUSING (Not Furnished Separately)
7	343 488 R91	SHAFT, tachometer drive
8	312 162 R1	PLATE, tachometer thrust
9	172 557	PLUG, housing (1-1/16" expansion)
	26 414 HO	CAP, sleeve (for shipping only)
	349 059 R91	CLIP, cable harness and tachometer drive

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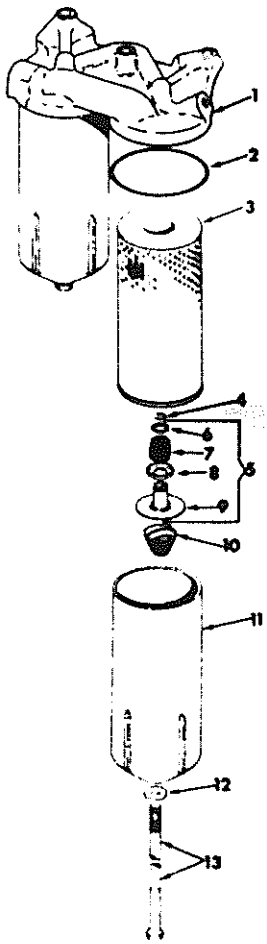
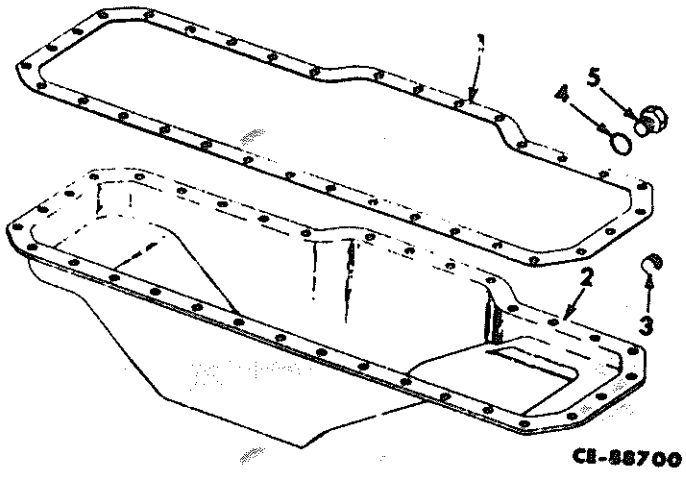
REF. NO.	PART NUMBER	DESCRIPTION



LUBRICATING OIL FILTER

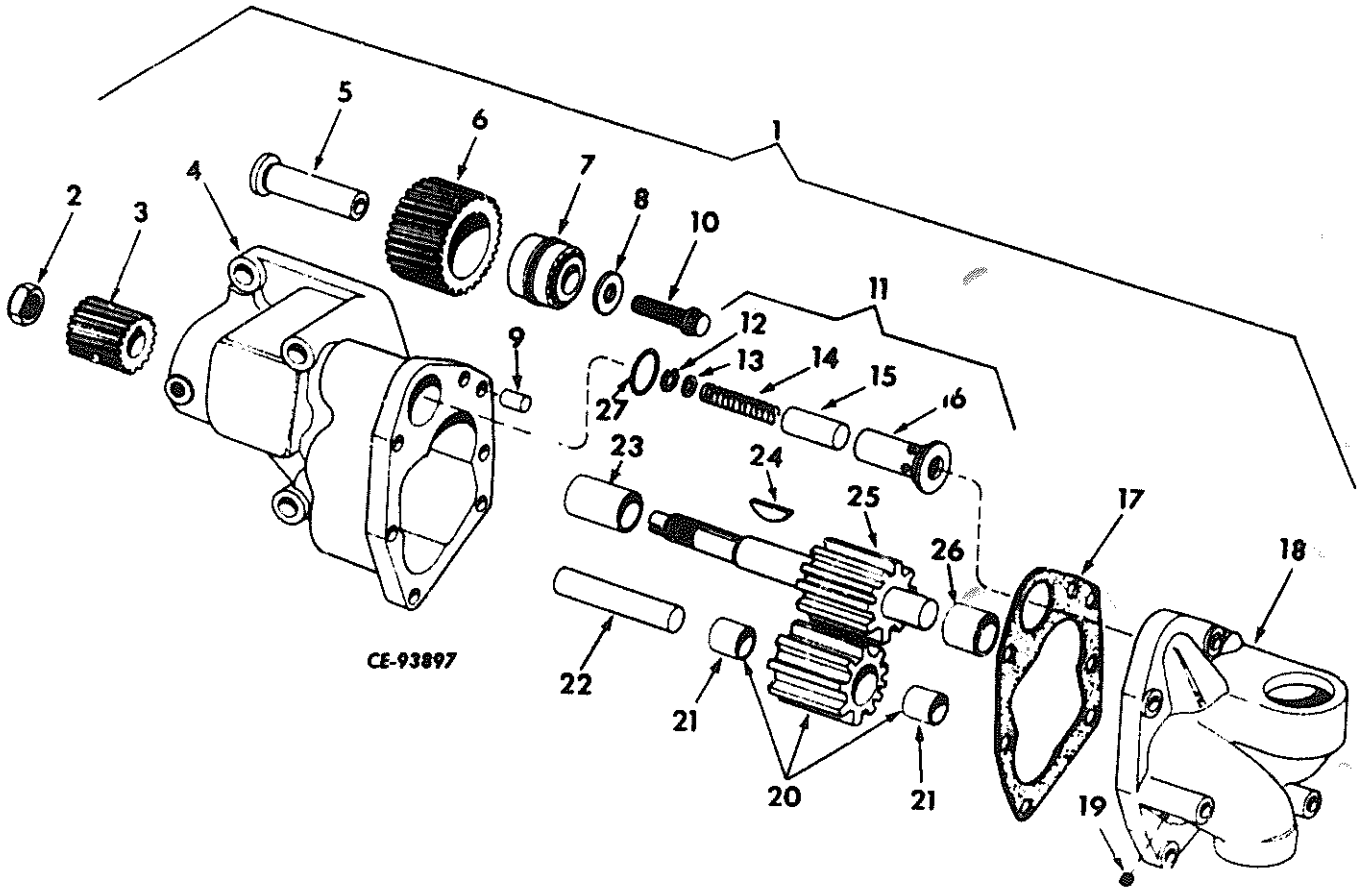
1	607 266 C11	HEADER w/PLUG, 445 686, oil filter
	445 686	PLUG, 3/8" sq-hd pipe
2	304 854 R1	GASKET, oil filter case (2)
3	323 827 R91	PACKAGE, oil filter element field service (consists of ELEMENT and GASKET, 304 854 R1) (2)
4	324 653 R1	RING, retaining (2)
5	312 887 R91	VALVE ASSY, by-pass (2)
6	154 665 R1	RETAINER, by-pass valve spring (2)
7	308 458 R1	SPRING, by-pass valve (2)
8		VALVE, by-pass (order 312 887 R91) (2)
9		CUP, element sealing (order 312 887 R91) (2)
10	308 422 R1	SPRING, oil filter element retaining (2)
11	349 077 R91	CASE w/WASHER, oil filter (2)
12	59 657 D	WASHER, copper (2)
13	345 237 R1	BOLT, oil filter case retaining (2)

REF. NO.	PART NUMBER	DESCRIPTION



CRANKCASE OIL PAN

1	328 731 R1	GASKET, crankcase oil pan
2	670 922 C91	PAN w/GASKET 3 405 H, INSERT, 333 988 R1 and PLUG, 445 096, CRANKCASE OIL
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (33
	103 341	13/32 x 13/16" x 16 ga WASHER (33
	444 660	3/8NPT pipe PLUG
3	333 988 R1	INSERT, crankcase oil pan
4	3 405 H	GASKET, crankcase oil pan drain plug
5	445 096	PLUG, crankcase oil pan drain



LUBRICATING OIL PUMP

REF. NO.	PART NUMBER	DESCRIPTION
1	332 520 R94	PUMP ASSY, lubricating oil
	179 840	3/8 x 1-1/8" hex-hd cap SCREW (2)
	186 283	3/8 x 3-1/2" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
	660 533 R2	3/8" x 3-1/2" hex-hd cap SCREW
2	625 338 C1	NUT, 5/8NF Esna
3	332 523 R1	GEAR, oil pump drive
4	332 521 R11	BODY w/BUSHING 345 291 R1, w/ SHAFT, 332 524 R1 and PIN, 19 841 R1, oil pump
5	332 528 R1	SHAFT, oil pump drive idler
6	332 529 R1	GEAR, oil pump drive idler
7	347 299 R91	BEARING ASSY
8	332 530 R1	WASHER, shaft
9	19 841 R1	PIN, 1/4 x 1/2" dowel
10	538 774 R2	BOLT, 3/8NF x 1-1/4" (12 pt)
11	345 161 R91	VALVE ASSY, relief
12		RING, relief valve spring seat snap (Not Furnished Separately)
13		SEAT, relief valve spring (Not Furnished Separately)
14		SPRING, relief valve (Not Furnished Separately)
15		BODY, relief valve (Not Furnished Separately)
16		HOUSING, relief valve (Not Furnished Separately)
17	601 381 C1	GASKET, oil pump
18	332 527 R21	COVER w/BUSHING, 345 292 R1 and PLUG, 9 409 954, oil pump
	179 819	5/16 x 1-1/8" hex-hd cap SCREW (3)
	179 828	5/16 x 2-1/2" hex-hd cap SCREW
	186 270	5/16 x 3-1/2" hex-hd cap SCREW
	179 830	5/16 x 3" hex-hd cap SCREW
	103 320	5/16" lock WASHER (6)
19	9 409 954	PLUG, 1/16" hex-soc pipe
20	326 767 R21	GEAR w/two BUSHING, 326 768 R1, oil pump idler
21	326 768 R1	BUSHING, idler gear (2)
22	332 524 R1	SHAFT, idler gear
23	345 291 R1	BUSHING, drive shaft (body end)
24	124 545	KEY, 1/8 x 5/8" Woodruff
25	332 522 R12	SHAFT w/GEAR, oil pump drive
26	345 292 R1	BUSHING, drive shaft (cover end)
27	349 055 R2	"O" RING, relief valve (13/16 x 1 x 3/32")

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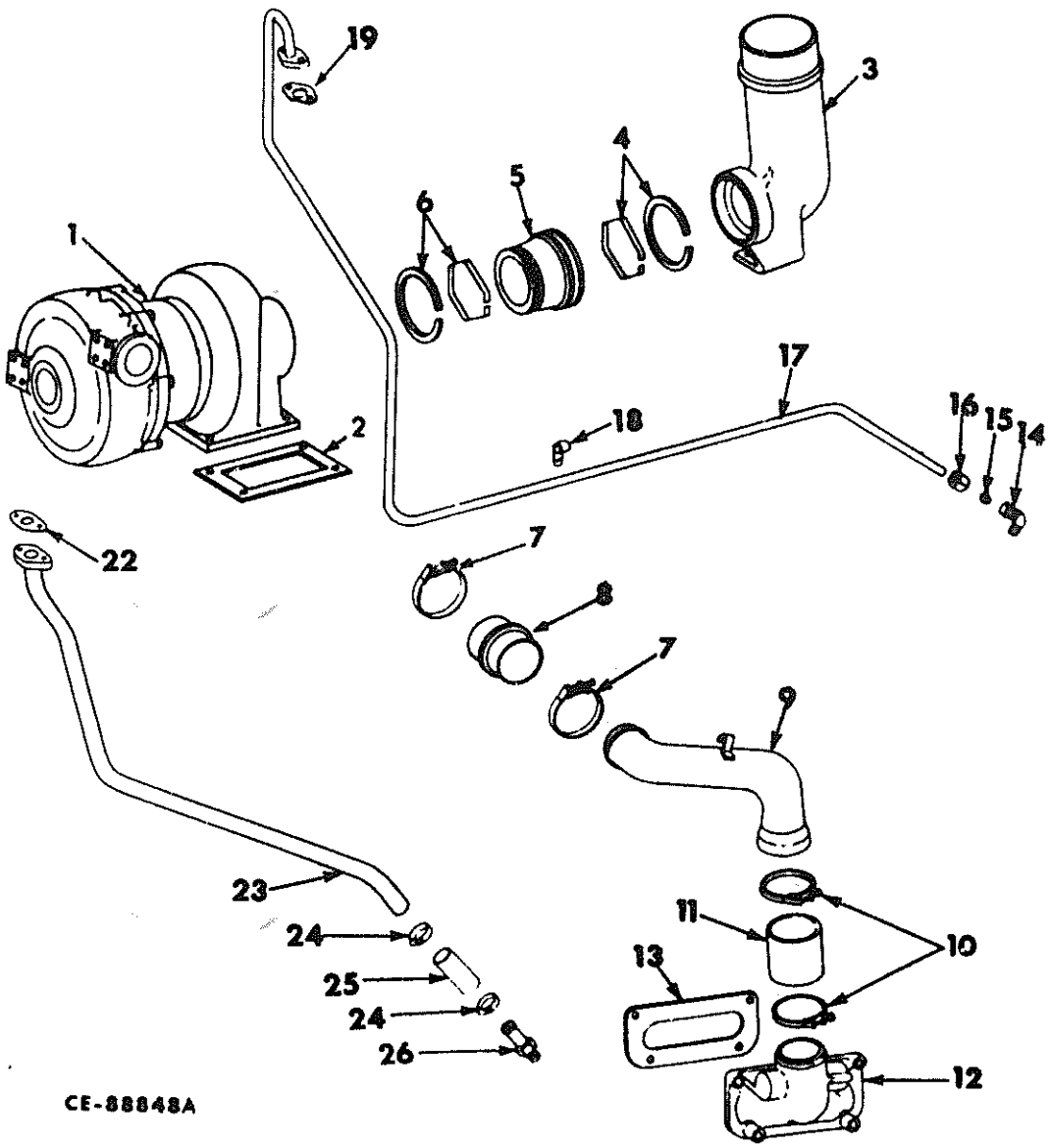

TURBOCHARGER AND PIPING
(Schwitzer)

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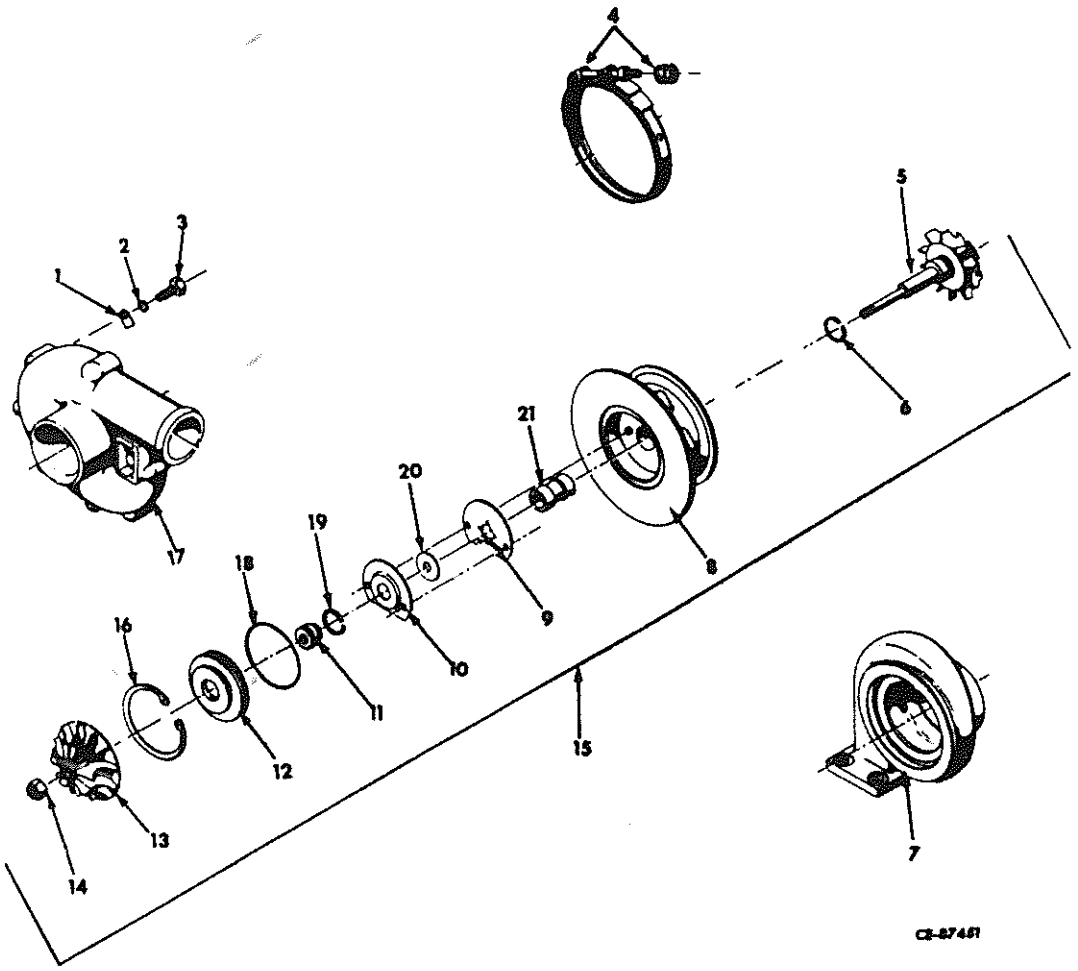
TURBOCHARGER AND PIPING
(Schwitzer)

REF. NO.	PART NUMBER	DESCRIPTION
1		TURBOCHARGER ASSY (Model 3LD-279) (For components see list of parts under details of "Turbocharger")
	304 451 R1	NUT 3/8NF (4)
	181 374	3/8NF x 1-1/2" hex-hd cap SCREW (4)
2	670 035 C1	GASKET, turbocharger
3	670 034 C1	ELBOW, turbocharger exhaust outlet
	181 374	3/8NF x 1-1/2" hex-hd cap SCREW (4)
	304 451 R1	NUT 3/8NF (4)
4	606 918 C91	SEAL ASSY, turbocharger exhaust sleeve
5	670 036 C1	SLEEVE, turbocharger exhaust
6	615 710 C1	SEAL ASSY, turbocharger exhaust sleeve
7	279 027 R91	CLAMP, hose (2)
8	670 040 C1	HOSE, compressor outlet
9	670 046 C1	TUBE ASSY, turbocharger air outlet
	179 858	7/16 x 1" hex-hd cap SCREW (2)
	110 405	7/16" lock WASHER (2)
10	274 089 R91	CLAMP, air intake elbow hose (2)
11	303 831 R1	HOSE, air intake elbow
12	345 053 R21	ELBOW w/PLUG, 444 576, air intake
	179 841	3/8 x 1-1/4" hex-hd cap SCREW (2)
	179 848	3/8 x 2-1/4" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (4)
	444 576	PLUG, 1/4" sq-hd pipe
13	327 755 R1	GASKET, air intake elbow
14	277 743 R1	ELBOW
15	277 737 R1	SLEEVE, tube
16	277 738 R1	NUT, tube
17	670 048 C11	TUBE, turbocharger oil inlet
	179 818	5/16 x 1" hex-hd cap SCREW (2)
	103 320	5/16" lock WASHER (2)
18	670 043 C1	CLIP, oil inlet tube
	279 783 R1	SPACER, clip
19	253 660 R1	GASKET, flange
22	341 464 R1	GASKET, flange
23	670 037 C11	TUBE ASSY, turbocharger oil drain
	179 839	3/8 x 1" hex-hd cap SCREW (2)
	103 321	3/8" lock WASHER (2)
24	122 316 R91	CLAMP, hose (2)
25	336 681 R1	HOSE, turbocharger oil drain (3/4" ID x 2-1/4" long)
26	343 750 R1	CONNECTOR, hose



TURBOCHARGER
(Schwitzer) (Model 3LD-279)

REF. NO.	PART NUMBER	DESCRIPTION
	702 929 C91	TURBOCHARGER ASSEMBLY (Model 3LD-279) (Consists of -
1	619 474 C1	CLAMP, tab type (8)
2	103 319	1/4" lock WASHER (8)
3	615 811 C1	BOLT, 1/4 x 5/8" (8)
4	702 384 C91	CLAMP w/NUT, 313 163 R1, "V" band
	313 163 R1	NUT, 1/4" NF self lock
5	702 386 C1	WHEEL AND SHAFT, turbine
6	615 819 C1	RING, turbine piston (copper coated)
7	619 635 C1	HOUSING, turbine
8	702 387 C1	HOUSING, bearing
9	615 818 C1	PLATE, thrust
10	615 816 C1	DEFLECTOR, oil
11	615 815 C1	SLEEVE, spacer
12	615 333 C1	INSERT, flinger plate
13	619 633 C1	WHEEL, compressor
14	615 814 C1	NUT, wheel lock
15	619 632 C91	CORE ASSEMBLY, turbocharger
15	627 609 C91	CORE ASSEMBLY, turbocharger (remanufactured) (Individual component parts making up remanufactured core assemblies are not serviceable by themselves)
16	615 332 C1	RING, insert snap
17	619 634 C1	COVER, compressor
18	615 334 C1	"O" RING, insert (2.55 x 2.756 x .103)
19	313 156 R1	RING, sleeve piston
20	615 817 C1	RING, thrust
21	615 820 C1	BEARING, housing

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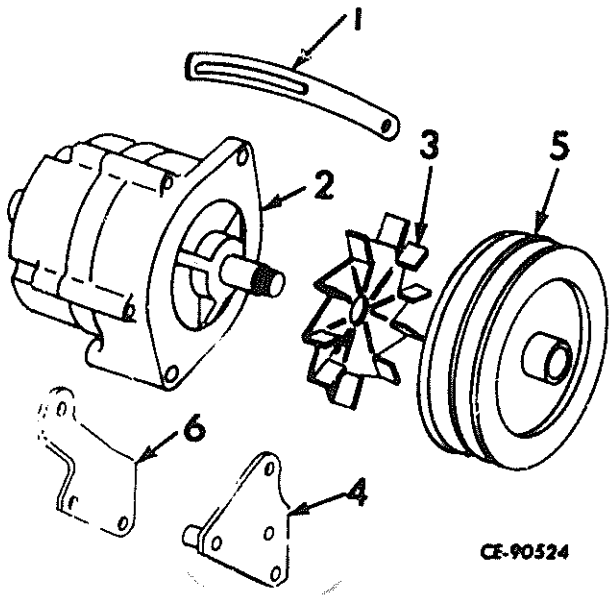
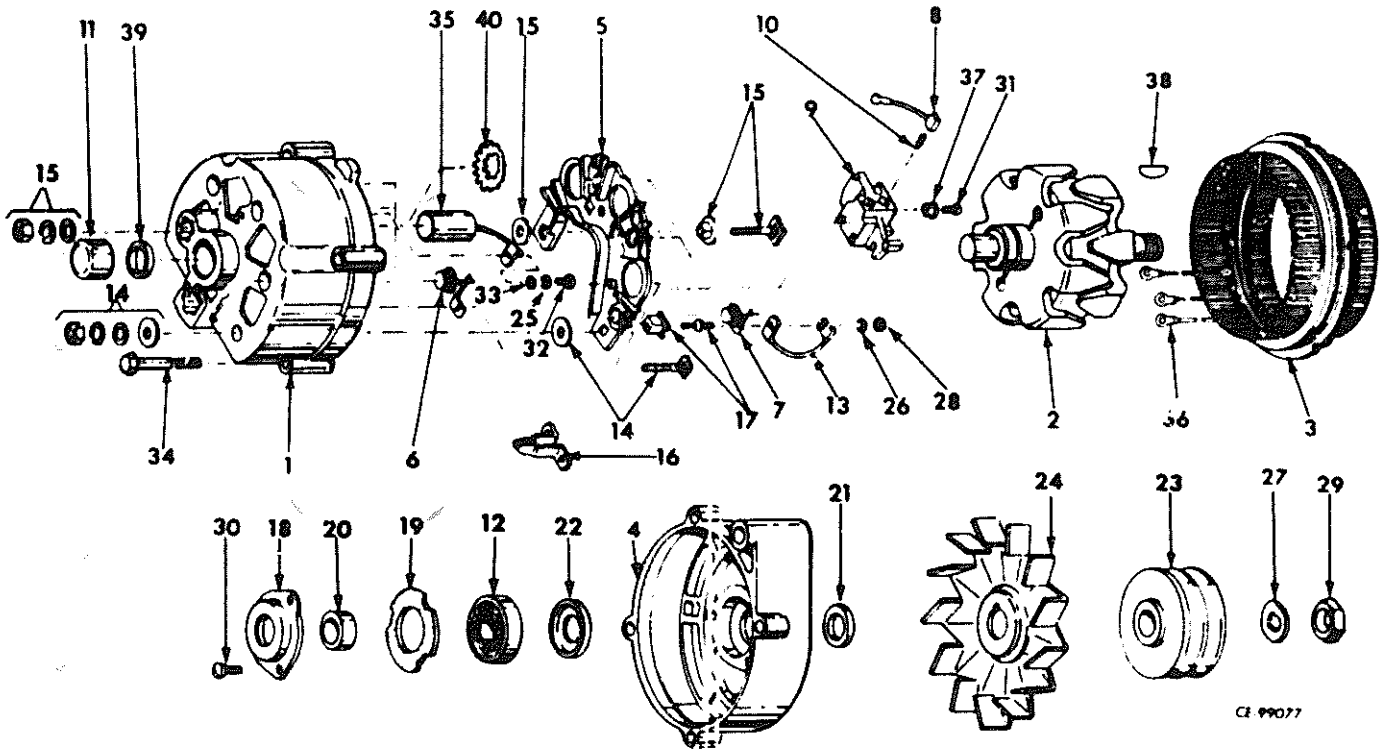
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION



ALTERNATOR AND CONNECTIONS

1	612 030 C2	BRACE, alternator adjusting
	312 401 R1	SPACER
	280 185 R1	WASHER
	179 818	5/16 x 1" hex-hd cap SCREW
	615 031 R1	5/16" flat WASHER
	103 320	5/16" lock WASHER
	179 839	3/8 x 1" hex-hd cap SCREW
	103 321	3/8" lock WASHER
2		ALTERNATOR (for components see list of parts under details of "Alternator")
	103 026	3/8NF NUT
	181 385	3/8NF x 3" hex-hd cap SCREW
	103 321	3/8" lock WASHER
		BELT, "V" (Set of Two) (Refer to Water Pump & related parts)
3	221 425 R1	FAN, alternator
4	670 631 C11	BRACKET, alternator support (front)
	103 026	3/8NF NUT (3)
	186 315	3/8NF x 4-1/2" hex-hd cap SCREW (2)
	181 385	3/8NF x 3" hex-hd cap SCREW
	103 321	3/8" lock WASHER (3)
5	612 174 C1	PULLEY, alternator
6	670 630 C1	BRACKET, alternator support (rear)
	385 129 R1	SCREW, self tapping (used for fastening alternator ground connection on voltage regulator)



ALTERNATOR
(Delco-Remy)

REF. NO.	PART NUMBER	DESCRIPTION
	1 100 812	ALTERNATOR ASSY (12V - 22 Amp.) (Consists of the following parts -
1	1 970 918	FRAME, slip ring - end (Composed of - 1 BEARING 7 451 763; 3 DIODE 1 964 354; 1 RETAINER 1 960 750; 1 SEAL 1 959 790)
2	1 966 614	ROTOR ASSY
3	1 959 381	STATOR ASSY, w/three CLIP, 1 959 532
4	1 970 595	FRAME, drive end
5	1 959 828	HEAT SINK ASSY (Composed of - 3 DIODE 1 964 353; 1 NUT 453 434; 1 TERMINAL PKG 1 958 934; 1 WASHER 9 419 392)
6	1 964 354	DIODE, negative (3)
7	1 964 353	DIODE, positive (3)
8	1 964 682	BRUSH HOLDER and BRUSH ASSY
9	1 964 682	BRUSH HOLDER and BRUSH ASSY
10	1 964 117	SPRING
11	7 451 763	BEARING, slip ring end
12	904 751	BEARING, drive end
13		NOT USED
14	1 959 832	PACKAGE, battery terminal
15	1 959 833	PACKAGE, ground terminal
16		NOT USED
17	1 959 834	PACKAGE, diode junction terminal
18	1 955 494	RETAINER ASSY, bearing
19	1 912 008	GASKET
20	1 963 139	COLLAR, inside
21	1 959 991	COLLAR, outside
22	800 832	GREASE, slinger
23		NOT USED
24		NOT USED
25	9 419 392	WASHER, capacitor terminal screw lock
26	9 419 392	WASHER, lock (diode junction terminal)
27	1 941 978	WASHER, shaft nut drive end lock
28	453 434	NUT, diode junction terminal
29	1 915 172	NUT, shaft
30	1 965 104	SCREW, ball bearing retainer attaching

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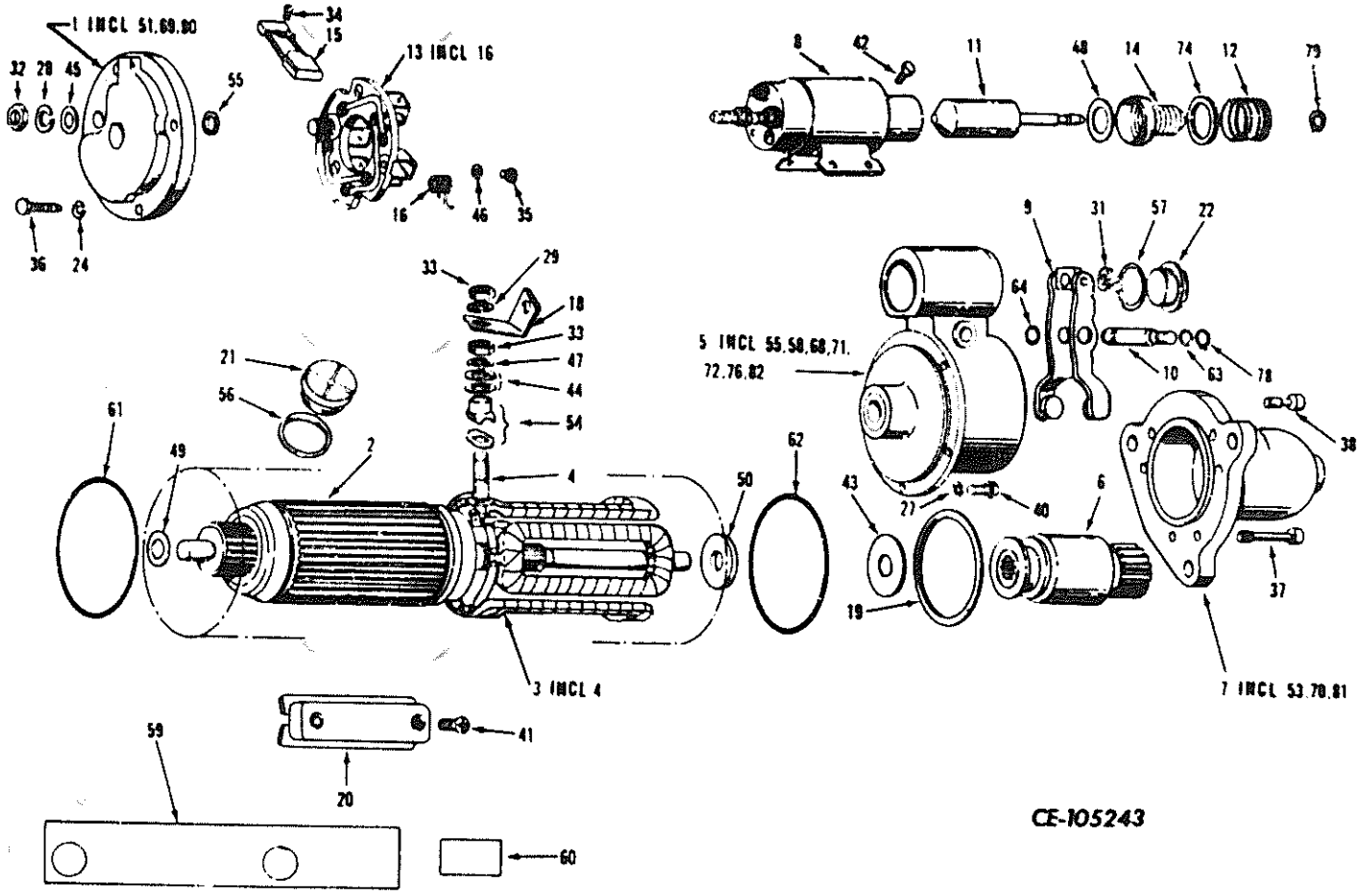
REF. NO.	PART NUMBER	DESCRIPTION
		ALTERNATOR - Continued (Delco-Remy)
31	1 957 501 9 419 392	SCREW, brush holder attaching WASHER, spring brush holder attaching screw
32	132 768	SCREW, capacitor terminal
33	815 540	WASHER, plain capacitor terminal screw
34	1 956 975	BOLT (4)
35	1 959 455 1 959 523	CAPACITOR WASHER, capacitor screw insulator
36	1 959 532	CLIP (3)
37	1 959 389	INSULATOR, brush holder screw
38		NOT USED
39	1 959 790	SEAL, slip ring end
40	1 960 750	RETAINER, capacitor retaining
	1 970 033	SEAL, terminal -S. R. E

Always Give ALTERNATOR NUMBER When Ordering Parts.

REF. NO.	PART NUMBER	DESCRIPTION

CRANKING MOTOR



ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY

	1113425	MOTOR ASSEMBLY, Cranking
	340340R1	SCREW, hex-hd cap (3)
	103323	WASHER, lock (3)
		(Consists of the following parts -
1	1851943	FRAME w/PLUG 9427882, and WICK, 1916439 commutator end
2	1851961	ARMATURE
3	1949109	COIL w/STUD 1950561, field
4	1950561	STUD, terminal
5	1852967	HOUSING, lever (Composed of - 1 BUSHING 1923484, 1 PLUG 9427882, 1 WICK 1916439)
6	1965368	DRIVE ASSEMBLY (Service parts will be furnished in next revision)
7	1969322	HOUSING w/BUSHING, 1955994, PLUG, 9427882, and WICK, 1916439 drive
8		SWITCH, solenoid (For components see list of parts under details of "SOLENOID SWITCH")
9	1945484	LEVER, shift
10	1948529	SHAFT, lever
11	1948522	PLUNGER
12	1948521	SPRING, shift lever
13	1851940	PLATE, w/SPRING 1861785, brush
14	801077	BOOT, plunger
15	1906988	BRUSH
16	1861785	SPRING, brush
17		NOT USED
18	1945468	CONNECTOR
19		Not Used
20	1934478	POLE SHOE
21	1945356	PLUG, brush inspect
22	1945[illegible]	PLUG, lever inspect
23		Not Used

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CRANKING MOTOR - Continued

REF. NO.	PART NUMBER	DESCRIPTION
24	9421423	WASHER, commutator end frame attaching screw lock
25	9421425	WASHER, connector attaching to switch
27	9421423	WASHER, lever housing attaching screw lock
28	9427127	WASHER, terminal stud commutator end lock
29	9421427	WASHER, terminal stud field lock
30	9415318	NUT, connector attaching to switch
31	1851995	NUT, plunger rod guide adjusting
32		Not Used
33	9414418	NUT, terminal stud field (2)
34	453418	SCREW, brush attaching
35	1847807	SCREW, brush plate attaching
36	1914869	SCREW, commutator end frame attaching
37		Not Used
39	1870513	SCREW, drive housing attaching
40		Not Used
41	1968396	SCREW and WASHER, pole shoe attaching
42	1930611	SCREW and WASHER, switch attaching
43	821453	WASHER, brake between lever housing and drive
44	1922457	WASHER, field terminal stud insulator (2)
45		Not Used
46		Not Used
47	1914647	WASHER, field terminal stud plain
48	1948519	WASHER, plunger boot
49	1914842	WASHER, commutator end space
50	19519	WASHER, between armature and D. E. housing
52	1950064	BUSHING, commutator end terminal stud
53	1955994	BUSHING, drive housing (Not Illustrated)
54	1965472	PACKAGE, field terminal stud bushing
55	1933999	BUSHING, lever housing
56	1964857	GASKET, inspection plug commutator end
57	1964857	GASKET, inspection plug lever housing
58		Not Used
59	1971857	INSULATOR, field coil
60	1868835	INSULATOR, field coil
61		Not Used
62		Not Used
63	1921805	"O" RING, shift lever (1/2" dia.)
64	1914373	"O" RING, shift lever (15/16" dia.)
68		Not Used
69	9427882	PLUG, commutator end pipe (Not Illustrated)
70	9427882	PLUG, detent end pipe (Not Illustrated)
71	9427882	PLUG, lever housing pipe
73	1948526	RETAINER, 13/32" hole plunger spring
74	1948520	RETAINER, 1-13/64" hole plunger spring
75	1928022	RING, pinion stop collar retainer
76		Not Used
78	9415235	SNAP RING, lever shaft retainer
79		Not Used
80	1916439	WICK, commutator end frame (Not Illustrated)
81	1916439	WICK, drive housing (Not Illustrated)
82	1916439	WICK, lever housing (Not Illustrated)
	1851960	"O" RING, between lever housing and drive housing
	1870513	SCREW, drive housing attaching

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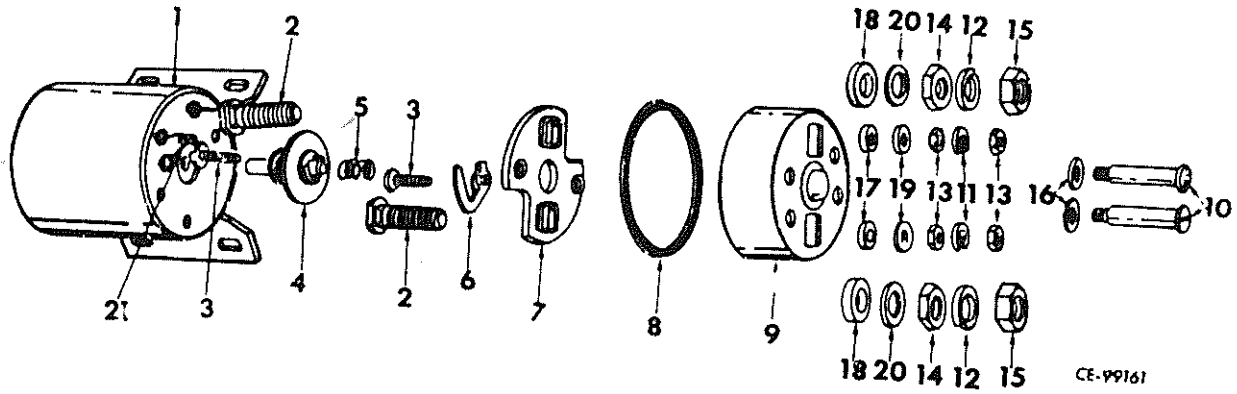
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION



SOLENOID SWITCH
(Delco-Remy)

ILLUSTRATIONS ARE OF TYPICAL PARTS ONLY

	1 115 528	SWITCH ASSY, solenoid (Consists of the following parts -
1	1 971 906	CASE and COIL
2	1 971 908	STUD, motor terminal
2	1 971 920	STUD, battery terminal
3	1 960 248	STUD, terminal
4	1 971 913	CONTACT ASSY.
5	1 853 342	SPRING, return
6		NOT USED
7	1 971 919	INSULATOR, cover
8	1 956 013	GASKET, cover
9	1 971 921	COVER
10	1 956 019	STUD, cover
11	453 435	WASHER, No. 10 spring lock type lock
12	9 421 425	WASHER, 3/8" terminal spring lock type lock
13	453 996	NUT, No. 10
14		Not Used
15	134 566	NUT, 3/8"
16	1 956 015	WASHER, cover attaching screw
16	1 971 926	WASHER, cover attaching screw sealing
17	1 971 923	WASHER, No. 10 terminal (insulated)
18	1 971 922	WASHER, 3/8" terminal (sealing type)
18	1 971 926	WASHER, terminal (sealing type)
19	1 856 056	WASHER, No. 10 terminal plain
20	805 790	WASHER, 3/8" terminal plain
21	1 971 910	CLIP, terminal
	1 971 924	INSULATOR, cup cover (notched)
	1 956 016	WASHER, 3/8" insulated terminal stud

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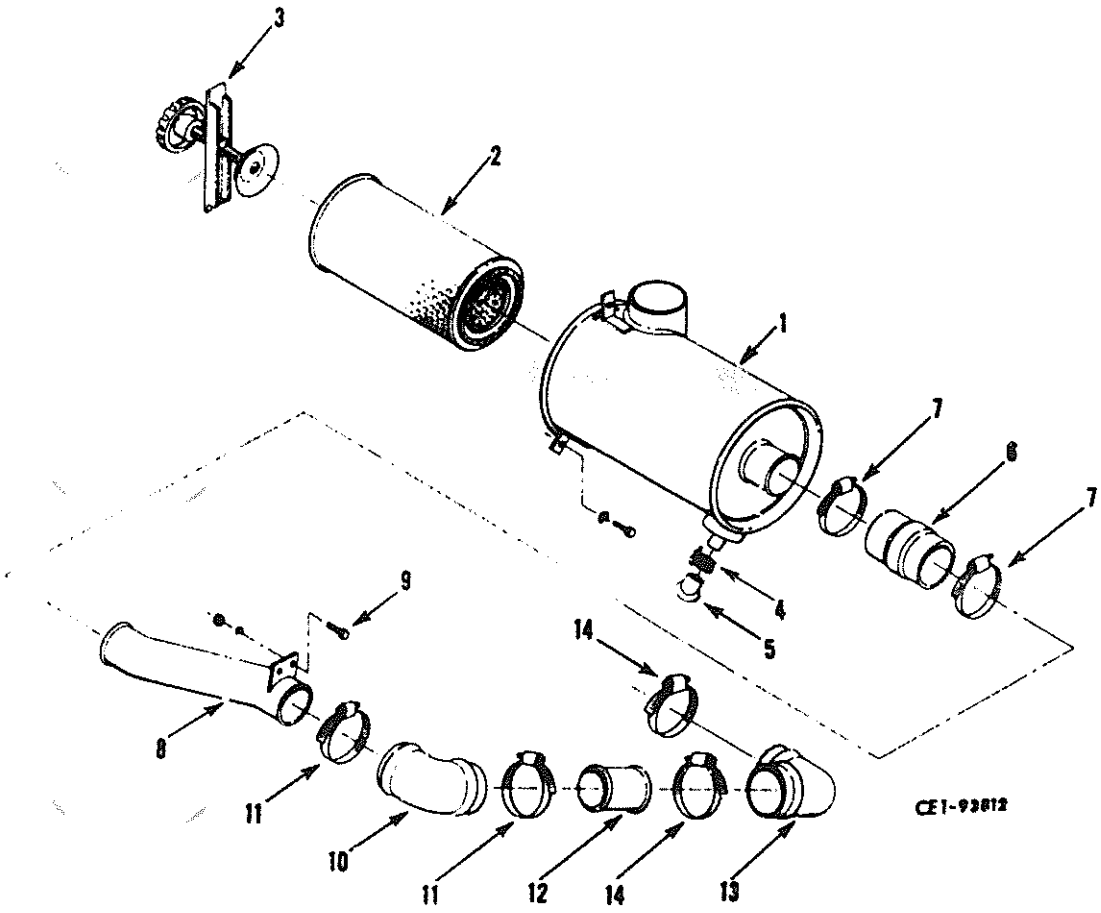
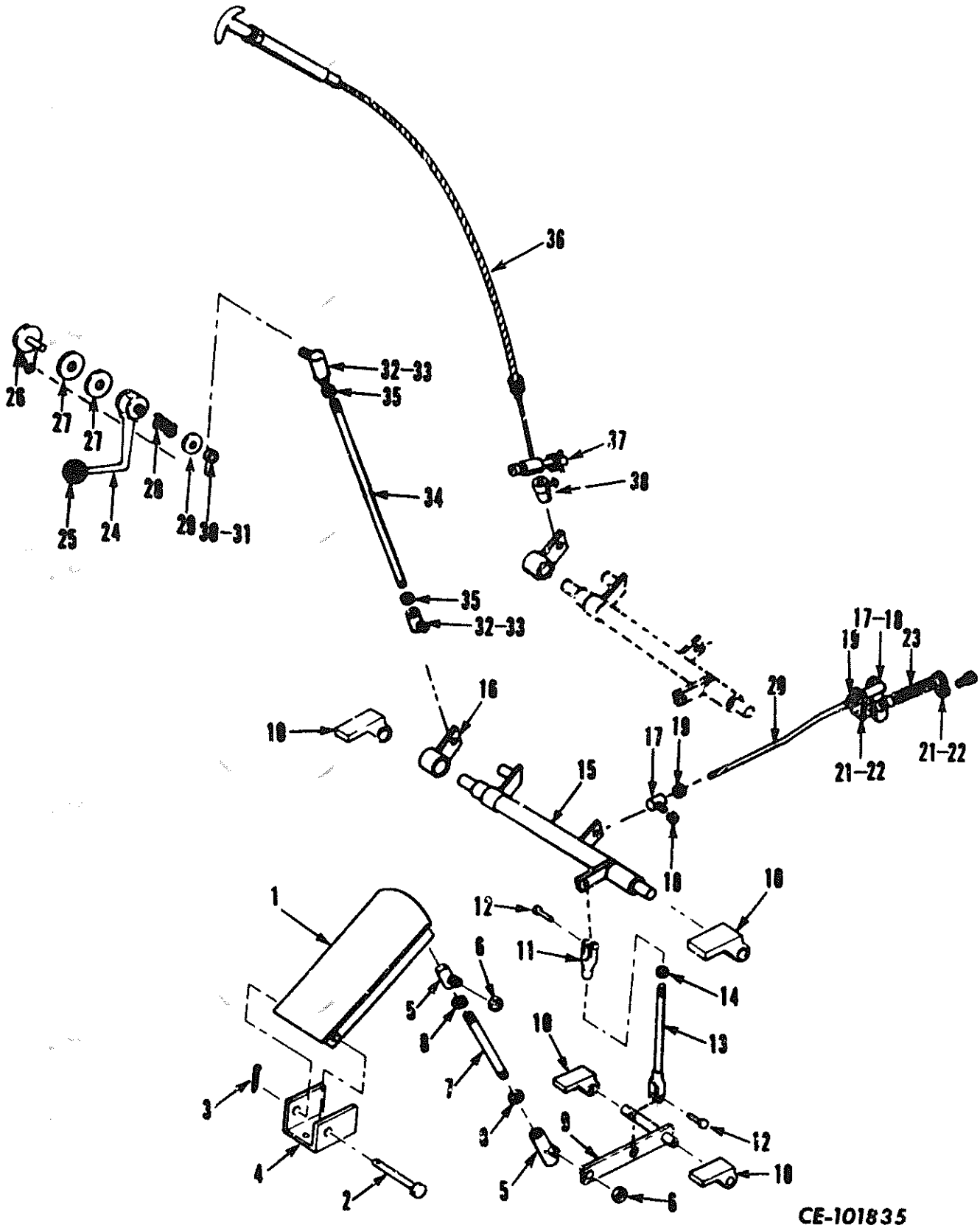
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION



AIR CLEANER & CONNECTIONS
05055 & below

	880880C91	CLEANER, Air (Includes the next 5 items)	7	122323R91	CLAMP (2)
	181364	SCREW, Cap - 3/8 NF x 1 (3)	8	880879C1	TUBE
	103321	WASHER, Lock - 3/8 (3)	9	181336	SCREW, Cap - 5/16 NF x 3/4 (2)) Tube
1		BODY (Not furnished separately)		103320	WASHER, Lock - 5/16 (2)) Mtg.
2	921791C1	ELEMENT		103025	NUT, 5/16 NF (2))
3	319853R91	RETAINER ASSEMBLY	10	169942H1	ELBOW, Rubber
4	203143H1	CLAMP	11	122323R91	CLAMP (2)
5	883753C1	UNLOADER	12	880878C1	TUBE
6	130283H1	HOSE	13	878647C1	ELBOW, Rubber
			14	122323R91	CLAMP (2)



ACCELERATOR & HAND THROTTLE

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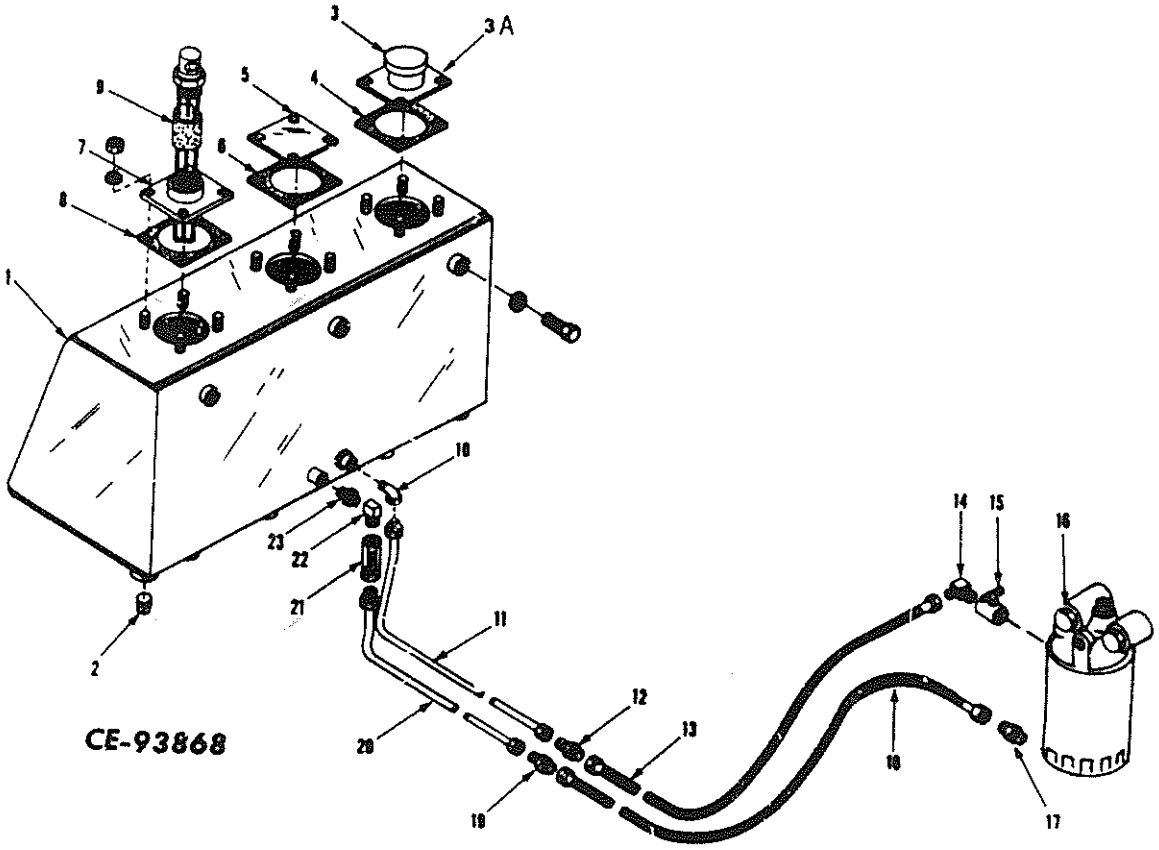
ACCELERATOR & HAND THROTTLE

REF. NO.	PART NUMBER	DESCRIPTION
1	880912C1	PEDAL
	181374	SCREW, Cap - 3/8 NF x 1-1/2) Pedal Stop
	114494	NUT, Jam - 3/8 NF)
2	Q-3522	PIN
3	103384	PIN, Cotter - 1/8 x 3/4
4	391839R1	BRACKET
	181313	SCREW, Cap - 1/4 NF x 3/4 (3)
	103319	WASHER, Lock - 1/4 (3)
	103024	NUT, 1/4 NF (3)
5	158396H1	JOINT, Ball (2)
6	19503R1	NUT, 5/16 NF (2)
7	121186H1	ROD
8	114493	NUT, Jam - 5/16 NF (2)
9	880892C1	LEVER
10	894389C1	BEARING (4)
	181314	SCREW, Cap - 1/4 NF x 7/8 (8)
	103319	WASHER, Lock - 1/4 (8)
	103024	NUT, 1/4 NF (8)
11	104037	YOKE
12	114784	PIN (2)
13	880895C1	ROD
14	114492	NUT, Jam - 5/16 NF
15	880911C1	LEVER (05055 & below)
15	892605C1	LEVER (05056 & up)
16	880900C1	ARM
17	281800C92	JOINT, Ball (2)
18	20090R1	NUT, 1/4 NF (2)
19	114492	NUT, Jam - 1/4 NF (2)
20	888613C1	ROD
21	103339	WASHER, Flat - 1/4 (2)
22	HA-932	RETAINER, Spring (2)
23	117256H1	SPRING
24	880914C1	ARM (05055 & below)
25	HS-3343	KNOB (05055 & below)
26	880913C1	LEVER (05055 & below)
27	108651H1	DISC, Friction (2) (05055 & below)
28	108650H1	SPRING (05055 & below)
29	113694H1	WASHER (05055 & below)
30	103323	WASHER, Lock - 1/2 (05055 & below)
31	103028	NUT, 1/2 NF (05055 & below)
	880905C1	BRACKET (Hand Throttle) (05055 & below)
	181361	SCREW, Cap - 3/8 NF x 7/8 (2) (05055 & below)
	103321	WASHER, Lock - 3/8 (2) (05055 & below)
	211271H1	SCREW, Cap (2)) Throttle
	114494	NUT, Jam - 3/8 NF (4)) Stops
32	281800C92	JOINT, Ball (2) (05055 & below)
33	20090R1	NUT, 1/4 NF (2) (05055 & below)
34	880910C1	ROD (05055 & below)
35	114492	NUT, Jam - 1/4 NF (2) (05055 & below
36	892601C1	CABLE)
37	172842H1	FITTING, Lever) 05056 & up
38	879100C91	CLAMP)



FUEL TANK & LINES

REF. NO.	PART NUMBER	DESCRIPTION
1	880335C1	TANK, Fuel (05069 & below)
	181374	SCREW, Cap - 3/8 NF x 1-1/2 (7)
	103321	WASHER, Lock - 3/8 (7)
1	894307C1	TANK, Fuel)
	181365	SCREW, cap 3/8NF x 1-1/8 (7)) 05070
	103321	WASHER, Lock 3/8 (7)) & up
	106263	WASHER, Flat 3/8 (7))
2	444588	PLUG, Pipe - 1/2
3		CAP, Fuel Tank
3A	880328C91	NECK, Filler
	102635	NUT, 3/8 NC (4)
	103321	WASHER, Lock - 3/8 (4)
4	197556H2	GASKET
5	197564H2	COVER
6	197556H2	GASKET
	102635	NUT, 3/8 NF (4)
	103321	WASHER, Lock - 3/8 (4)
7	880330C1	FLANGE
	102635	NUT, 3/8 NC (4)
	103321	WASHER, Lock - 3/8 (4)
8	197556H2	GASKET
9	880332C1	FUEL, Gauge
		LINE-TANK TO WATER TRAP
10	125276H1	ELBOW, 90°
11	123276H1	TUBE, 3/8
12	124285H1	ADAPTER
13	880277C1	HOSE
14	94028o4	ELBOW, 90°
15	132666H1	COCK, Shut-off
16		FILTER, Fuel (Refer to Primary and Final Fuel Filter)
		LINE-INJECTOR PUMP TO TANK
17	9402706	CONNECTOR
18	880278C1	HOSE
19	880279C1	CONNECTOR
20	880280C1	TUBE, 1/4
21	880281C1	VALVE, Ball Check
22	444163	ELBOW, 90°
23	141539	ADAPTER

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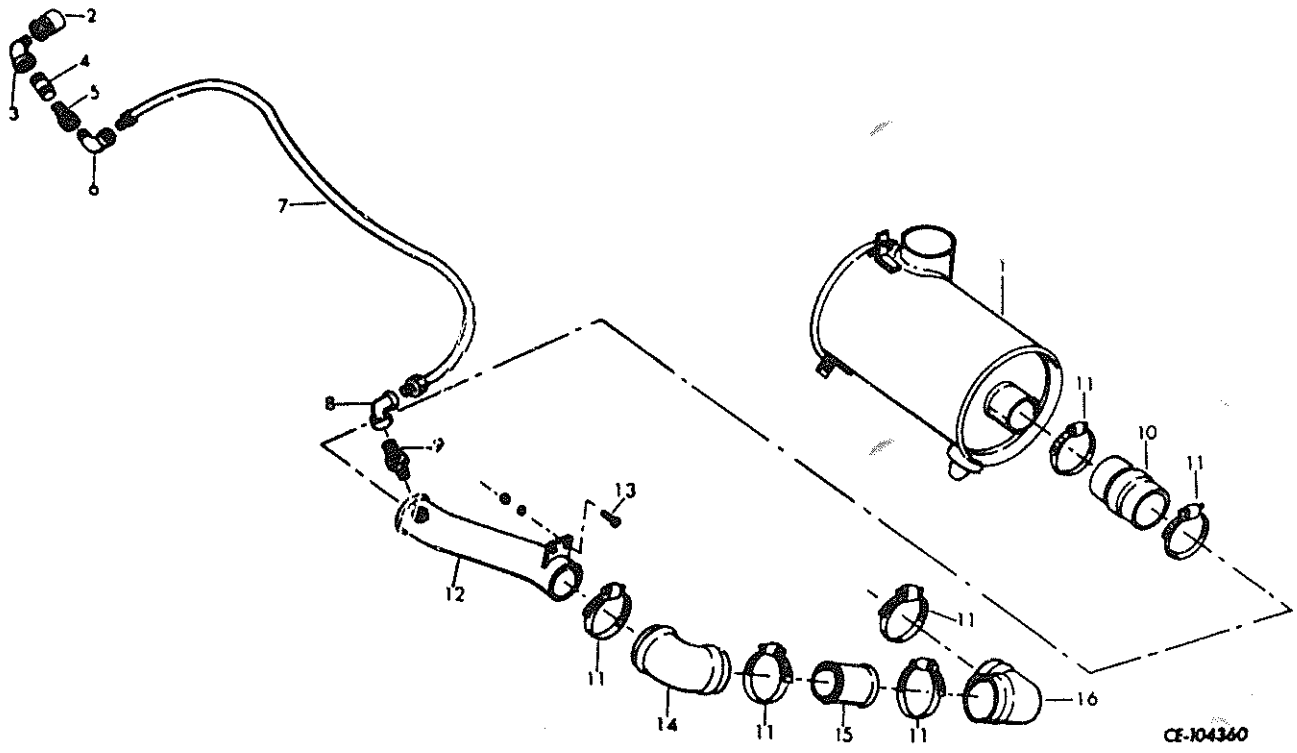
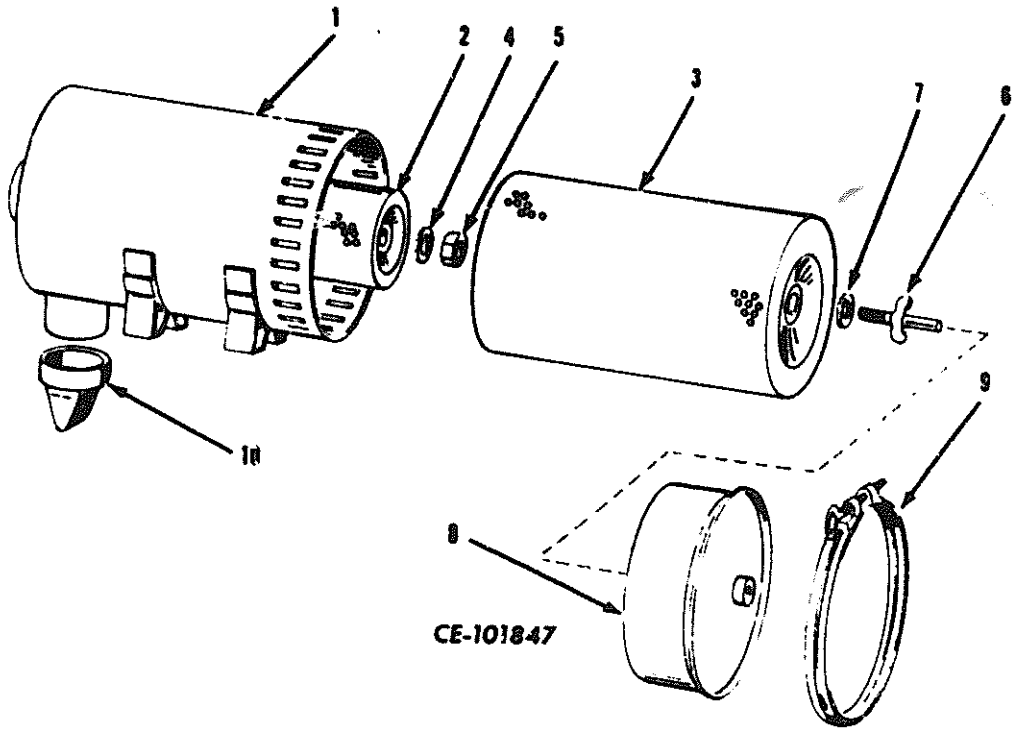


AIR CLEANER & CONNECTIONS
05056 & up

REF. NO.	PART NUMBER	DESCRIPTION
1		CLEANER, Air (See Air Cleaner in this section)
	181 428	BOLT, 1/2 NF x 1-1/8 (4)
	103 323	WASHER, Lock 1/2 (4)
	103 028	NUT, 1/2 (4)
2	877 601 C1	GAUGE
3	105 422	ELBOW
4	105 404	NIPPLE
5	215 465 H1	ADAPTER
6	175 775 H1	ELBOW w/Tube Nut
	29 898 D	NUT, 1/4" tube
7		TUBE w/o NUTS (cut length 1/4" OD x 34" long)(cut from bulk TUBE, 417 196 C1)
8	182 866 H1	ELBOW w/Tube Nut
	29 898 D	NUT, 1/4" tube
9	348 828 C1	FILTER
10		HOSE (3" ID x 3-1/2" lg.) (cut from bulk HOSE, 407 015 R1)
11	122 323 R91	CLAMP (6)
12	892 604 C1	TUBE
13	181 336	SCREW, cap 5/16 NF x 3/4 (2)
	103 320	WASHER, lock 5/16 (2)
	103 025	NUT, 5/16 (2)
14	304 398 R1	ELBOW, Rubber
15	880 878 C1	TUBE
16	878 647 C1	ELBOW, Rubber
	893 490 C1	CLAMP, Half (2)
	181 311	BOLT, 1/4 NF x 5/8
	103 319	WASHER, Lock
	103 024	NUT, 1/4 NF
	417 196 C1	TUBE, bulk 1/4" OD x 50 ft
	407 015 R1	HOSE, bulk 3" ID x 3 ft.

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



AIR CLEANER ASSEMBLY
05056 & up

	892 606 C91	CLEANER, Air (Consists of the following)	6	627 120 C1	NUT, wing
1		BODY (Not furnished separately)	7	619 839 C1	WASHER, seal
2	702 641 C1	ELEMENT	8		COVER (Not furnished separately)
3	702 642 C1	ELEMENT	9	896 353 C1	CLAMP ASSEMBLY
4	627 121 C1	WASHER, seal	10	615 679 C1	VALVE, unloader
5	185 36 R1	NUT, stop			

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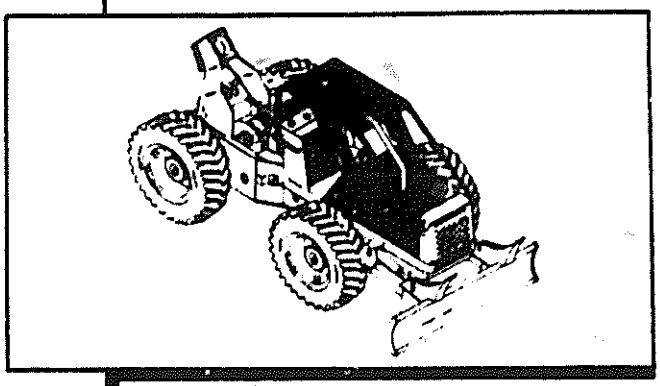
SECTION 13

SUPER STRUCTURE



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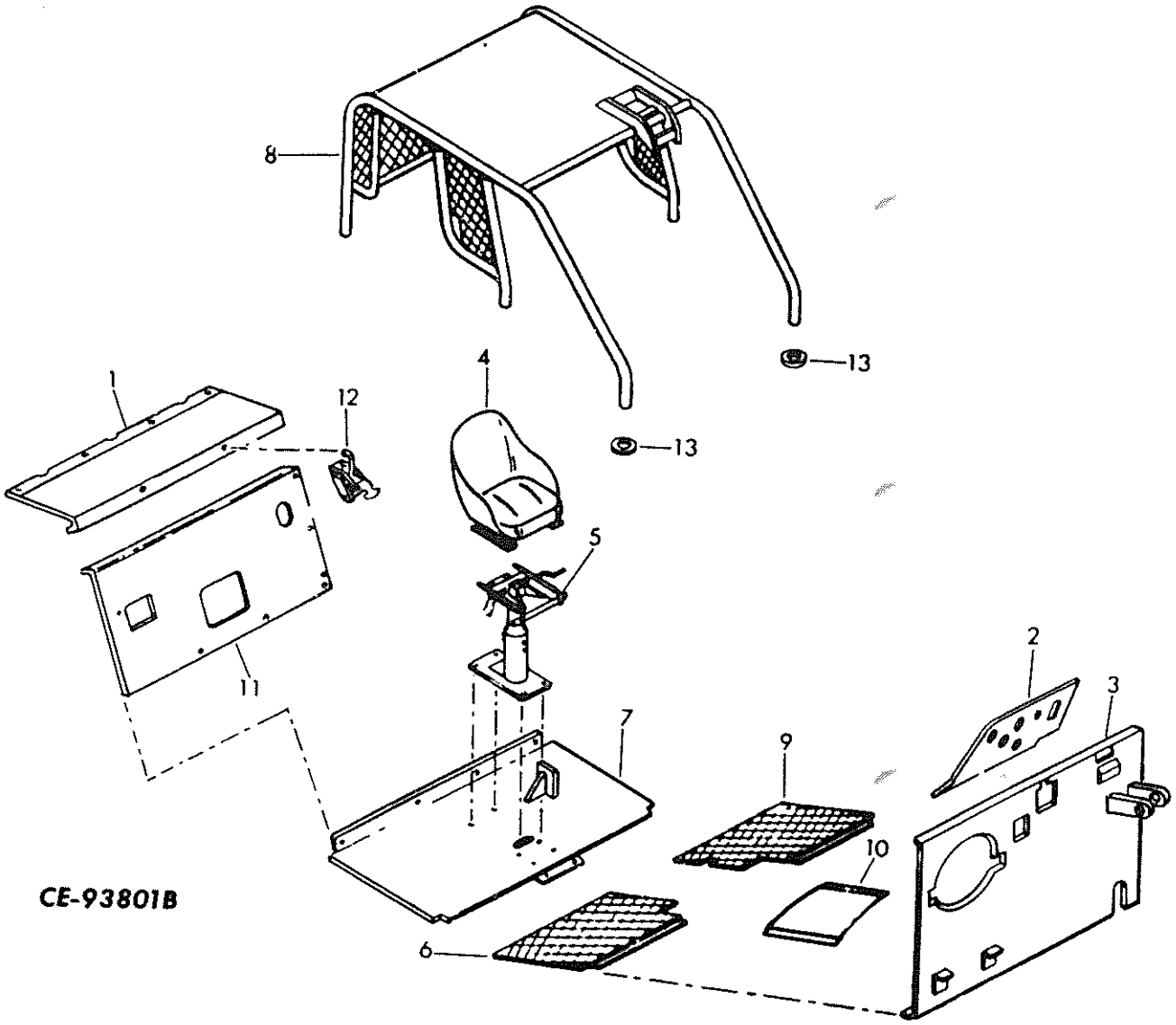
SEAT ASSEMBLY	13-4 G20
SHEET COWLING	13-5 G21

SUPERSTRUCTURE

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



DRIVER'S COMPARTMENT

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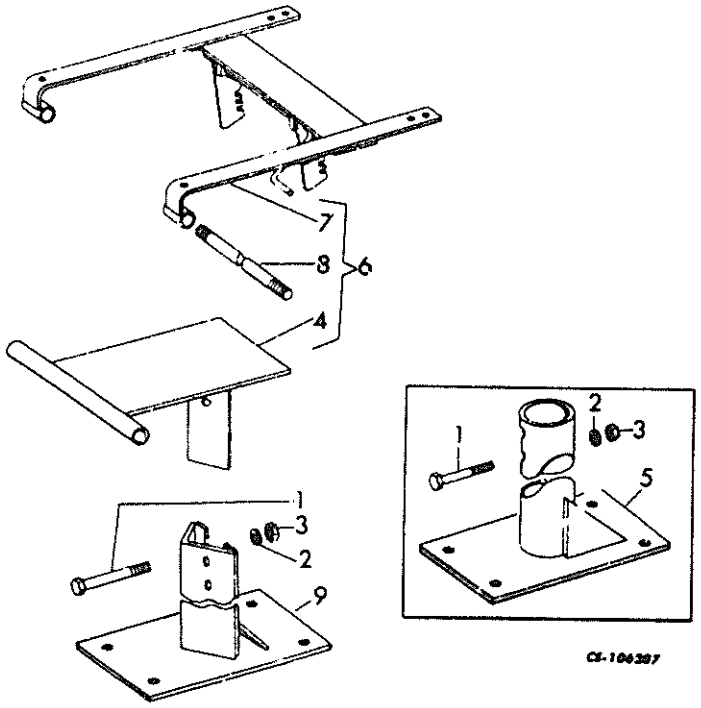
SUPERSTRUCTURE

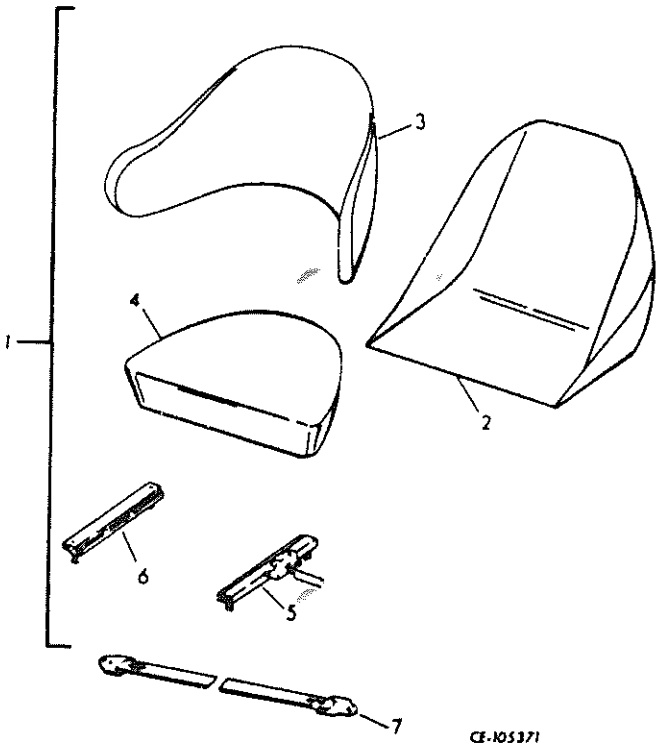
REF. NO.	PART NUMBER	DESCRIPTION
		DRIVER'S COMPARTMENT
1	880419C1	COVER, Battery Box
	24839R1	SCREW, Cap - 3/8 NC x 3/4 (4)
	25544R1	WASHER, Hardened (4)
2		PANEL, Instrument (Refer to Instrument Panel and Related Parts)
3	893339C1	BULKHEAD (05079 & below)
3	892609C2	BULKHEAD (05080 & up)
	24840R1	BOLT, 3/8 NC x 1 Hex-Hd (2)
	140483H	BOLT, 3/8 NC x 1-1/4 Hex-Hd (4)
	25544R1	WASHER, 3/8 Flat (10)
	25522R1	NUT, 3/8 NC Hex (4)
4		SEAT (Refer to Seat Assembly)
5		PEDESTAL (Refer to Pedestal Ass'y.)
	181430	BOLT, Hex-Hd Cap (4)
	103323	WASHER, Lock (4)
6	880673C1	PLATE, Floor - R.H.
	181365	SCREW, Cap - 3/8 NF x 1-1/8 (4)
	103321	WASHER, Lock - 3/8 (4)
	106263	WASHER, Flat - 3/8 (4)
7	882912C3	PLATE, Floor - Rear
	181365	SCREW, Cap - 3/8 NF x 1-1/8 (6)
	181364	SCREW, Cap - 3/8 NF x 1 (To Crossmember) (2)
	103321	WASHER, Lock - 3/8 (8)
	106263	WASHER, Flat - 3/8 (8)
8	880586C3	CANOPY (05200 and below)
	271612	SCREW, Cap - 3/4 NC x 2-1/4 (6)
	103326	WASHER, Lock - 3/4 (6)
	144923H1	WASHER, Flat - 3/4 (6)
8	923815C2	CANOPY, Shield (R.D.P.S.) (05201 and up)
	25996R1	BOLT, 1 NC x 8 Hex-Hd (4)
	9413986	NUT, 1 NC Hex (4)
9	885764C1	PLATE, Floor - L.H.
	181365	SCREW, Cap - 3/8 NF x 1-1/8 (5)
	103321	WASHER, Lock - 3/8 (5)
	106263	WASHER, Flat - 3/8 (5)
10	880679C1	COVER, Torque Converter
11	882559C1	SUPPORT, Reservoir
	24840R1	SCREW, Cap - 3/8 NC x 1 (6)
	25544R1	WASHER, Hardened (6)
12	142433H1	LATCH (2)
	100764	SCREW, 10-32 x 1/2 (4)
	118873	WASHER, Lock - #10 (4)
	453284	NUT, 10-32 (4)
13	199473H1	RETAINER (2) (05201 and up)
	25518R1	BOLT, 1 NC x 2-1/4 Hex-Hd (2)
	121326	WASHER, 1 NC Lock (2)

SUPERSTRUCTURE

PEDESTAL ASSEMBLY



SEAT ASSEMBLY



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

REF. NO.	PART NUMBER	DESCRIPTION
A	882558C91	PEDESTAL ASSEMBLY, Seat (Order Pedestal Assembly 922228C91)
B	922228C91	PEDESTAL ASSEMBLY, Seat
1	138 249	SCREW, Cap - 3/8 NC x 2-3/4 (A) (2)
1	179 839	SCREW, Cap - 3/8 NC x 1 (B) (4)
2	173128	WASHER, Lock - 3/8 (A) (2)
2	103321	WASHER, Lock - 3/8 (B) (4)
3	18253R1	NUT, Lock - 3/8 NC (A) (2)
3	21070R1	NUT, Hex - 3/8 NC (B) (4)
4		PIECE, Inner (Not furnished separately)
5	883067C1	PEDESTAL, Lower Assembly (A)
6	883066C91	PEDESTAL, Upper Assembly (A)
6	923380C91	PEDESTAL, Upper Assembly (B)
7	610289C1	TILT ADJUSTMENT ASSEMBLY
8	610292C1	SHAFT (A)
8	887760C1	SHAFT (B)
	145009	NUT, Hex-Jam - 1/2 NF (2)
9	923381C1	PEDESTAL, Lower Assembly (B)

REF. NO.	PART NUMBER	DESCRIPTION
1	702760C92	SEAT ASSEMBLY
2		SHELL (Not furnished separately)
3	619780C2	CUSHION, Backrest
	25955R1	SCREW, Cap - 5/16 NC x 5/8 (5)
	25543R1	WASHER, Flat - 5/16 (5)
4	619779C1	CUSHION, Seat
	25955R1	SCREW, Cap - 5/16 NC x 5/8 (2)
	25543R1	WASHER, Flat - 5/16 (2)
	116120	WASHER, Lock - 5/16 (2)
	25520R1	NUT, Hex - 5/16 NC (2)
5	56619C1	ADJUSTER, R. H.
	25955R1	SCREW, Cap - 5/16 NC x 5/8 (2)
	25543R1	WASHER, Flat - 5/16 (2)
	116120	WASHER, Lock - 5/16 (2)
	25520R1	NUT, Hex - 5/16 NC (2)
6	631120C1	ADJUSTER, L. H.
	25955R1	SCREW, Cap - 5/16 NC x 5/8 (2)
	25543R1	WASHER, Flat - 5/16 (2)
	116120	WASHER, Lock - 5/16
	25520R1	NUT, Hex - 5/16 NC (2)
7	S31059C1	BELT, Seat
	24861R1	SCREW, Cap - 1/2 NC x 1-1/4 (2)
	103329	WASHER, Lock - 1/2 (2)
	25526R1	NUT, Hex - 1/2 NC (2)

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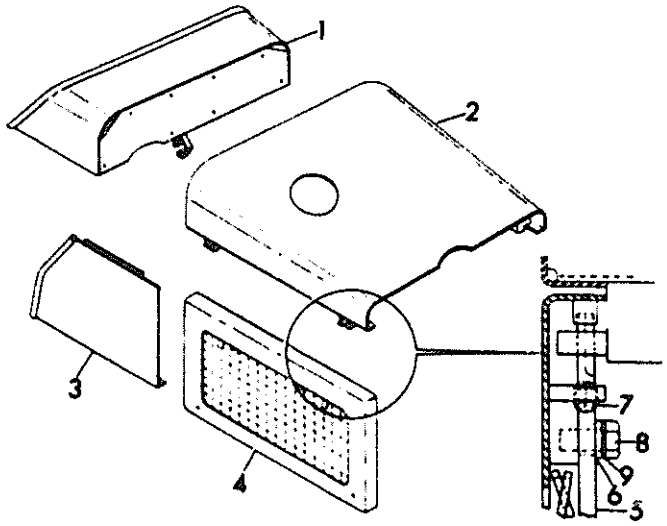
SUPERSTRUCTURE

REF. NO.	PART NUMBER	DESCRIPTION



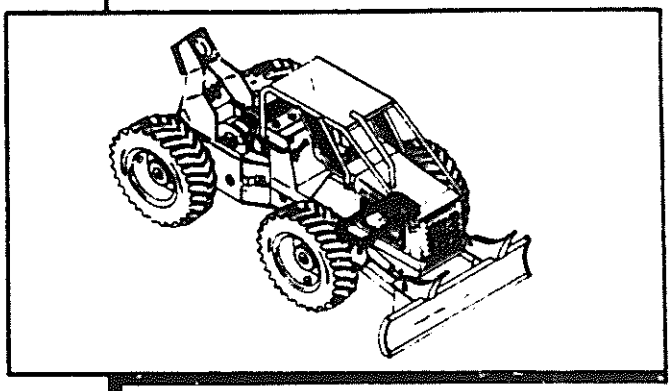
CE-93830A

SHEET COWLING

REF. NO.	PART NUMBER	DESCRIPTION
1	880702C3	COWL (05200 and below)
1	932803C1	COWL (05201 and up)
	24840R1	BOLT, 3/8 NC x 1" Hex-Hd (2)
	140483H	BOLT, 3/8 NC x 1-1/4 Hex-Hd (8)
	25544R1	WASHER, 3/8 Flat (16)
	25522R1	NUT, 3/8 NC Hex (8)
2	880746C2	HOOD
	24840R1	BOLT, 3/8 NC x 1" Hex-Hd (14)
	25544R1	WASHER, 3/8 Flat (26)
	25522R1	NUT, 3/8 NC Hex (12)
3	880744C1	PANEL, Side - R.H. (05055 & below)
3	892608C1	PANEL, Side - R.H. (05056 & up)
3	880745C1	PANEL, Side - L.H.
	330059R1	SCREW, Cap - 1/2 NF x 1-1/2 (12)
	181364	SCREW, Cap - 3/8 NF x 1 (4)
	103321	WASHER, Lock - 3/8 (4)
	106263	WASHER, Flat - 3/8 (4)
	103343	WASHER, Flat - 1/2 (12)
	103026	NUT, 3/8 NF (4)
	204578H1	NUT, 1/2 NF (12)
4	880743C1	PANEL, Side - R.H.
4	880742C1	PANEL, Side - L.H.
5	880414C2	SUPPORT, R.H. (2)
5	880413C2	SUPPORT, L.H. (2)
6	880412C1	BUSHING (4)
7	HS-137	SPRING (4)
8	24839R1	SCREW, Cap - 3/8 NC x 3/4 (4)
9	25544R1	WASHER, 3/8 Flat (4)

SECTION 14

SUSPENSION



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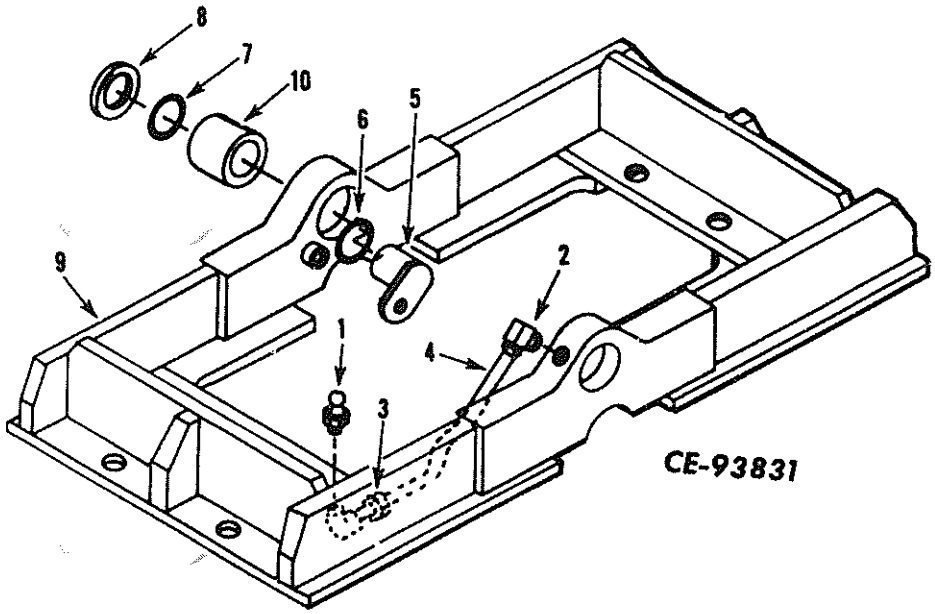
SUSPENSION

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



BOLSTER & LUBE LINES

1	109461	FITTING, Grease (2)	7	160528H1	RING, Cord (2)
2	9402862	ELBOW, 90° (2)	8	880343C1	WASHER (AR)
	179805H1	CLAMP (2)		181426	SCREW, Cap - 1/2 NF x 7/8 (2)
	25546R1	WASHER, Flat - 1/2 (2)		103323	WASHER, Lock - 1/2 (2)
	25526R1	NUT - 1/2 NC (2)		106265	WASHER, Flat - 1/2 (2)
3	940270G	CONNECTOR (2)	9	880836C3	BOLSTER (Includes Item 10)
4	880339C1	TUBE (2)	10	158773H1	BUSHING (2)
5	879034C1	PINLOCK (2)			
6	195671H1	RING, Cord (2)			

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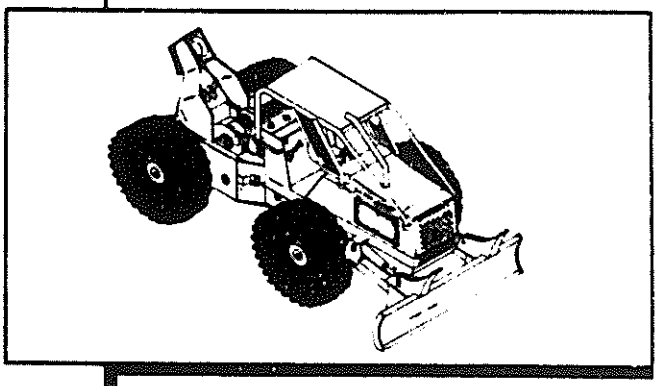
SECTION 15

TRACTION



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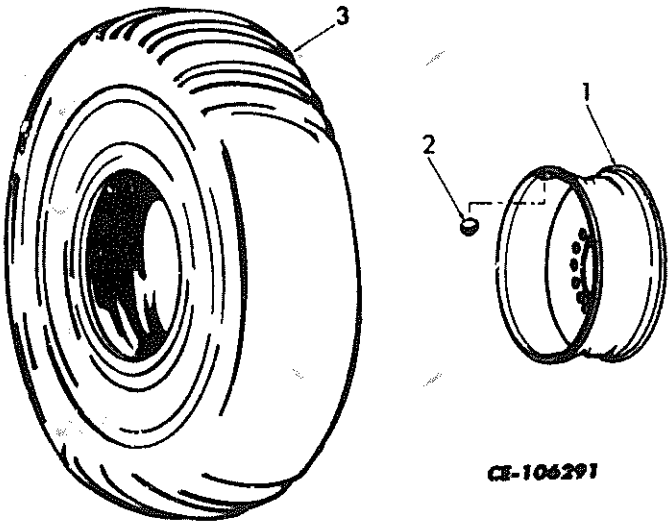
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION

WHEEL AND MOUNTING



Parts without letters after the description indicates the part is used for all wheels listed below: Letters A, B, C and D are used to identify separate wheels.

A		Service part for 880721C1 wheel (18.4 x 34 tire) (standard) (S/N 5200 and below)
B		Service part for 923325C1 wheel (standard) (18.4 x 34 tire) (S/N 5201 and up)
C		Service part for 889901C1 wheel (23.1 x 26 tire) (optional)
D		Service part for 932563C1 wheel (23.1 x 34) (optional)
1	880721C1	WHEEL (Wheel A)
1	923325C1	WHEEL (Wheel B)
1	889901C1	WHEEL (Wheel C)
1	932563C1	WHEEL (Wheel D)
2	216587H1	CAP, Pipe (Wheel A, B and C)
3		TIRE (purchase locally)

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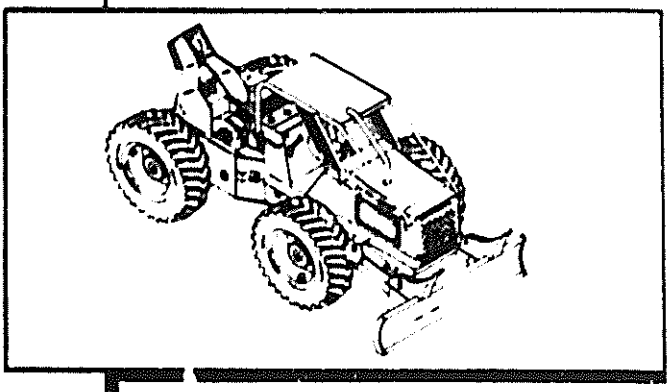
SECTION 16

BUCKET



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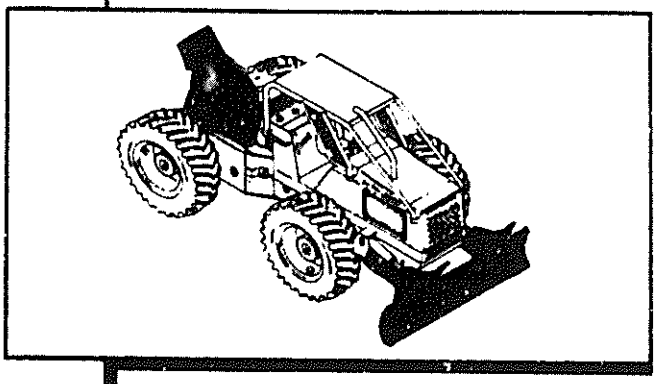
Group **Page**

BUCKET (Not Used With This Machine)

SECTION 17

EQUIPMENT MOUNTING



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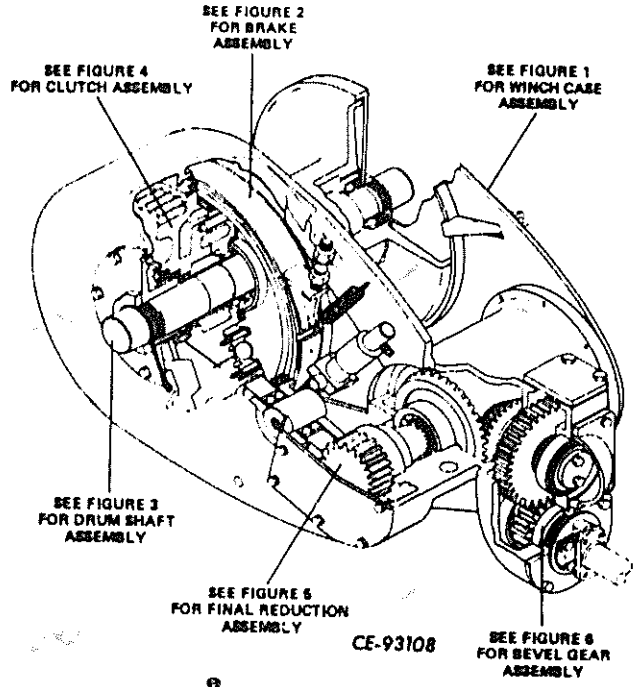
EQUIPMENT MOUNTING



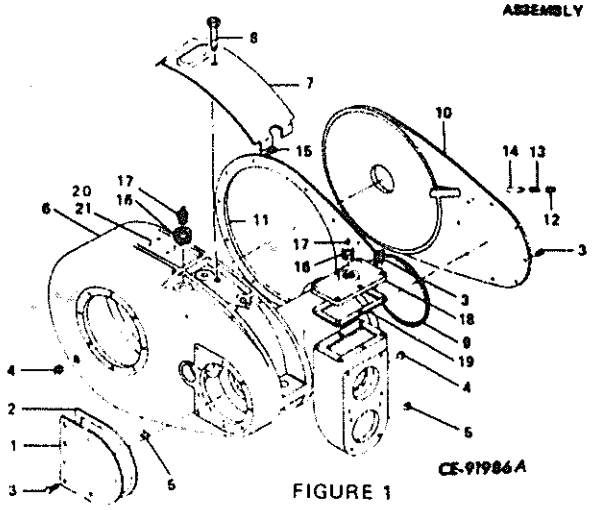


FIGURE 1

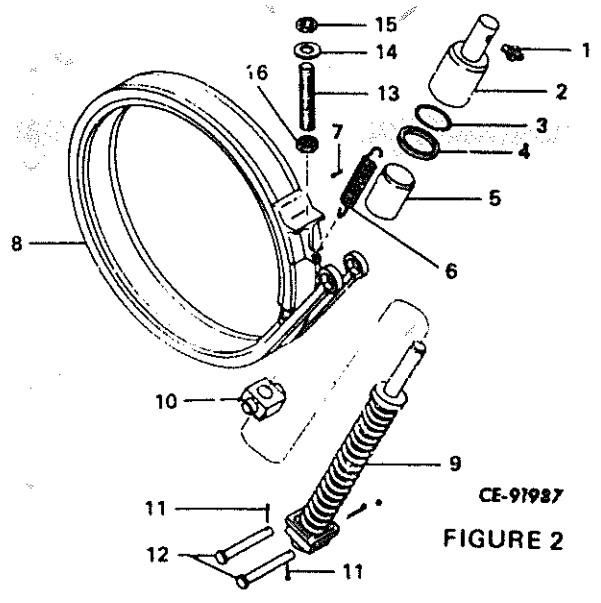


FIGURE 2

REF. NO.	PART NUMBER	DESCRIPTION
	880511C91	WINCH ASSEMBLY (Carco Model 100) (Includes Figures 1 thru 6) 05055 & below
	23489R1	BOLT 1" NF x 2-3/4 w/nylon insert
	103348	WASHER, Flat 1"
	880002C1	BAR, Cap (2)
	27164	BOLT 3/4 NF x 3-3/4 (2)
	103321	WASHER, Lock 3/8" (2)

WINCH CASE ASSEMBLY (FIGURE 1)
05055 & below

1	889095C1	COVER, Bull Pinion
2	889096C1	GASKET
3	179881	SCREW, Cap - 1/2 UNC x 1 (23)
4	9409949	PLUG, Pipe - 3/4 NPT (2)
5	58997DB	PLUG, Magnetic - 3/4 NPT (2)
6	889097C1	CASE, Winch
7	889098C1	COVER, Brake Adjustment (For winches with serial numbers 578 & below)
7	891444C1	COVER, Brake Adjustment (For winches with serial numbers 579 & up)
8	19534R1	PIN, Spirol (1/4 x 1-1/2) (4) (For use with 889098C1 brake adjustment cover)
8	179849	BOLT - 3/8 UNC x 2-1/2 (For use with 891444C1 brake adjustment cover)
9	22425R1	"O" RING
10	889099C1	SIDE PLATE
11	889100C1	COVER, Brake
12	222761	SETSCREW, Flat Point 5/8 UNC x 5/8
13	889101C1	SPRING
14	889102C1	ROD, Friction
15	179814	SCREW, Cap - 5/6 x 5/8 (11)
16	21276R1	BUSHING, Pipe - 3/4 NPT to 1/8 (2)
17	952577R1	VALVE, Relief (2)
18	889137C1	COVER, Reduction
19	889141C1	GASKET
20		PLATE, Name
21	142281	SCREW, Drive - #10 x 3/8 (4)

BRAKE ASSEMBLY (FIGURE 2)
05055 & below

1	347302R1	CONNECTOR, Male
2	889105C1	CYLINDER, Brake
3	927493C1	"O" RING
4	889427C1	WIPER
5	889106C1	PISTON, Brake
6	889107C1	SPRING, Brake Band
7	103418	PIN, Cotter - 1/4 x 1
8	889108C1	ASSEMBLY, Brake Band (Includes linings)
9	889109C1	SPRING, Brake w/ROD, RETAINER, and PLATE
*		PIN, Cotter - 3/8 x 3/4
10	889110C1	YOKE, Brake Band
11	103385	PIN, Cotter - 1/8 x 1 (2)
12	8R0413C1	PIN, Clevis - 1/2 x 4 (2)
13	23765R1	SCREW, Set - 3/4 UNC x 5
14	889111C1	WASHER, Plain
15	218443	NUT, Jam - 3/4 UNC
16	272240	NUT, Heavy - 3/4 UNC

* Cotter pin used to lock-out brake spring in the released position.

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EQUIPMENT MOUNTING

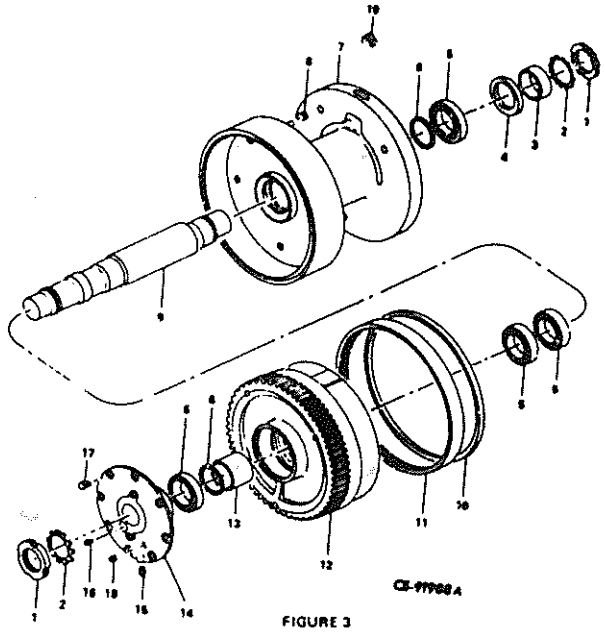

FIGURE 3

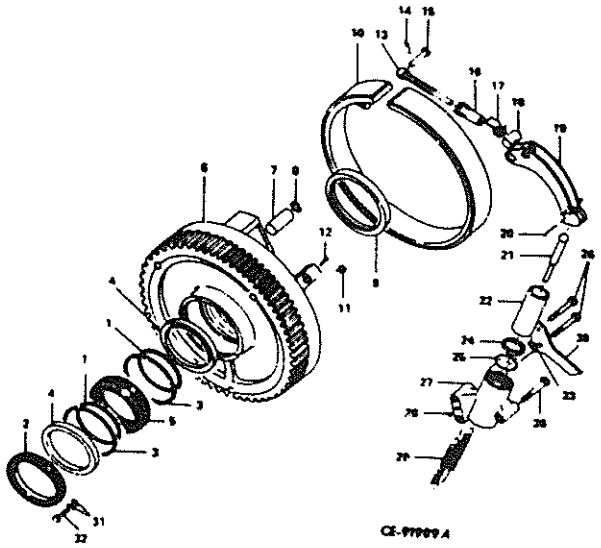

FIGURE 4

DRUM SHAFT ASSEMBLY (FIGURE 3)
05055 & below

REF. NO.	PART NUMBER	DESCRIPTION
1	889179C1	LOCKNUT (2)
2	889176C1	WASHER, Lock (2)
3	889112C1	SLEEVE, Seal
4	889739C1	OIL SEAL
5	ST-990	CUP, Bearing (4)
	ST-2133	CONE, Bearing (4)
6	889113C1	SHIM SET, Bearing (2)
7	889114C1	DRUM, Cable
8	9409949	PLUG, Pipe - 3/4 NPT (4)
9	889115C1	SHAFT, Drum
10	889415C2	SEAL, Dust - 3/8 x 3/4 x 56-3/4
11	889412C1	OIL SEAL
12	889116C91	CLUTCH ASSEMBLY (See figure 4)
13	889132C1	SPACER, Bearing
14	889133C1	CARRIER, Drum Shaft
15	347302R1	CONNECTOR, Male
16	952577R1	VALVE, Relief
17	179881	SCREW, Cap - 1/2 UNC x 1 (8)
18	444687	PLUG, Pipe - 1/8 NPT
*19	891453C1	ANCHOR, Cable (1/2" wire rope)
*19	891448C1	ANCHOR, Cable (5/8" wire rope)

*For use on winches with serial numbers 670 thru 674, 681, 726 & up.

CLUTCH ASSEMBLY (FIGURE 4)
05055 & below

REF. NO.	PART NUMBER	DESCRIPTION
1	891461C1	"O" RING (2)
2	891451C1	RETAINER, Seal
3	891455C1	"O" RING (2)
4	891445C1	SEAL, Floating (2)
5	891446C1	SPACER, Seal
6	889120C1	HUB, Clutch w/GEAR and three 141252 DOWEL
7	889121C1	PIN, Lever
8	55163R1	SNAP RING
9	889738C91	OIL SEAL
10	896961C1	ASSEMBLY, Clutch Band w/Lining
11	16024R1	BALL - 3/4 Dia. (3)
12	363868R1	SETSCREW - 3/8 UNC x 1 (3)
13	889123C1	SCREW, Adjustment
14	103385	PIN, Cotter - 1 '8 x 1
15	114787	PIN, Clevis - 1/2 x 1-27/64
16	889124C1	NUT, Clutch Adjusting
17	889125C1	SPRING, Clutch Adjustment Lock
18	889126C1	PIN, Clutch Adjustment
19	889127C1	LEVER, Clutch
20	103411	PIN, Cotter - 3/16 x 2
21	889128C1	ROD, Clutch push
22	889129C1	PISTON, Clutch
*23	16012R1	BALL - 3/8 Dia.
24	889427C1	WIPER, Rod
25	927493C1	"O" RING
26	24500R1	SCREW, Cap - 3/8 UNC x 3-1/4 (3)
27	889130C1	CYLINDER, Clutch
28	355966R1	"O" RING
29	889131C1	SPRING, Clutch Cylinder Return
30	891449C1	RETAINER, Clutch Band
31	891450C1	WASHER, Flat - 5/16 (12)
32	179816	SCREW, Cap - 5/16 NC x 3/4 (6)

*Pressed into item 27 to plug port on side opposite to connection of cylinder to clutch hub.

EQUIPMENT MOUNTING

REF. NO.	PART NUMBER	DESCRIPTION

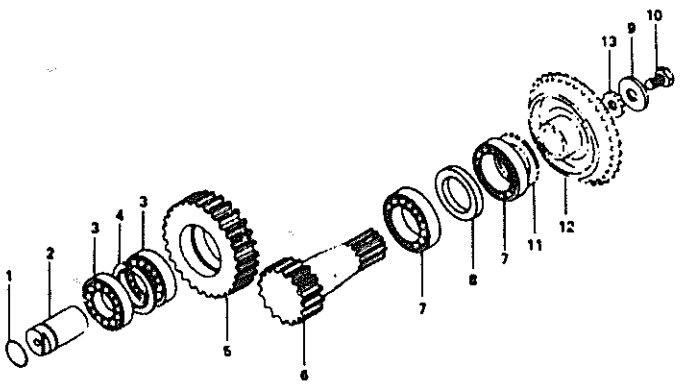

FIGURE 5

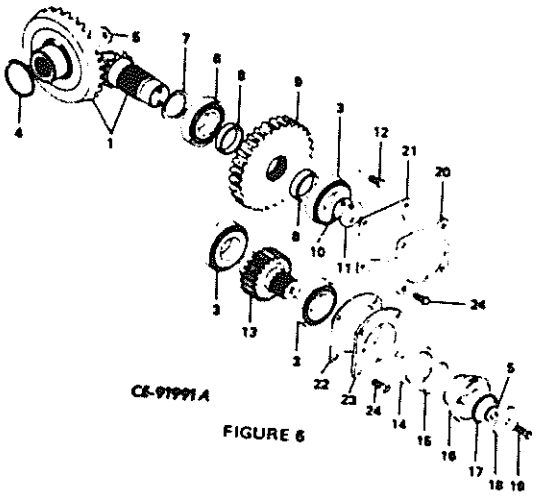

FIGURE 6

FINAL REDUCTION ASSEMBLY
(FIGURE 5)
05055 & below

1	21056R1	"O" RING
2	889134C1	SHAFT, Idler
3	144929H1	BEARING, Ball (2)
4	276452C1	SNAP RING
5	889135C1	GEAR, Idler
6	889136C1	PINION, Bull
7	167822H1	CONE, Bearing (2)
	ST-856	CUP, Bearing (2)
8	889737C91	OIL SEAL
9	891447C1	RETAINER, Bearing
10	271558	SCREW, Cap - 5/8 UNC x 1-1/2
*11		SHIM SET, Bevel Gear
*12		BEVEL GEAR
*13		SHIM SET, Bearing Adjustment

*Reference Figure 6, Bevel Gear Assembly

BEVEL GEAR ASSEMBLY
(FIGURE 6)
05055 & below

	890666C1	GEAR & PINION SET (Includes items 1 & 2)
1		BEVEL GEAR (Order 890666C1)
2		PINION (Order 890666C1)
3	ST-856	CUP, Bearing (3)
	187329R91	CONE, Bearing (3)
4	889142C1	SHIM SET, Bevel Gear Adjustment
5	889143C1	SHIM SET, Bearing Adjustment (2)
6	104577H1	CUP, Bearing
	104576H1	CONE, Bearing
7	889146C1	SHIM SET, Pinion Adjustment
8	889147C1	SPACER (2)
9	889148C1	PRIMARY GEAR, 40-Tooth
10	889149C1	SHIM, Bearing Adjustment
11	889150C1	RETAINER, Bearing
12	179883	SCREW, Cap - 1/2 UNC x 1-1/4 (2)
13	889151C1	PRIMARY PINION, 20-Tooth
14	869736C1	OIL SEAL
15	889735C1	SEAL SLEEVE
16	889152C1	COUPLING, PTO
17	379457R1	"O" RING
18	891452C1	RETAINER, Bearing
19	271558	SCREW, Cap - 5/8 UNC x 1-1/2
20	889154C1	COVER, Bevel Pinion
21	889155C1	GASKET
22	889156C1	SHIM SET, Primary Cover
23	889157C1	COVER, Primary Pinion
24	179881	SCREW, Cap - 1/2 UNC x 1

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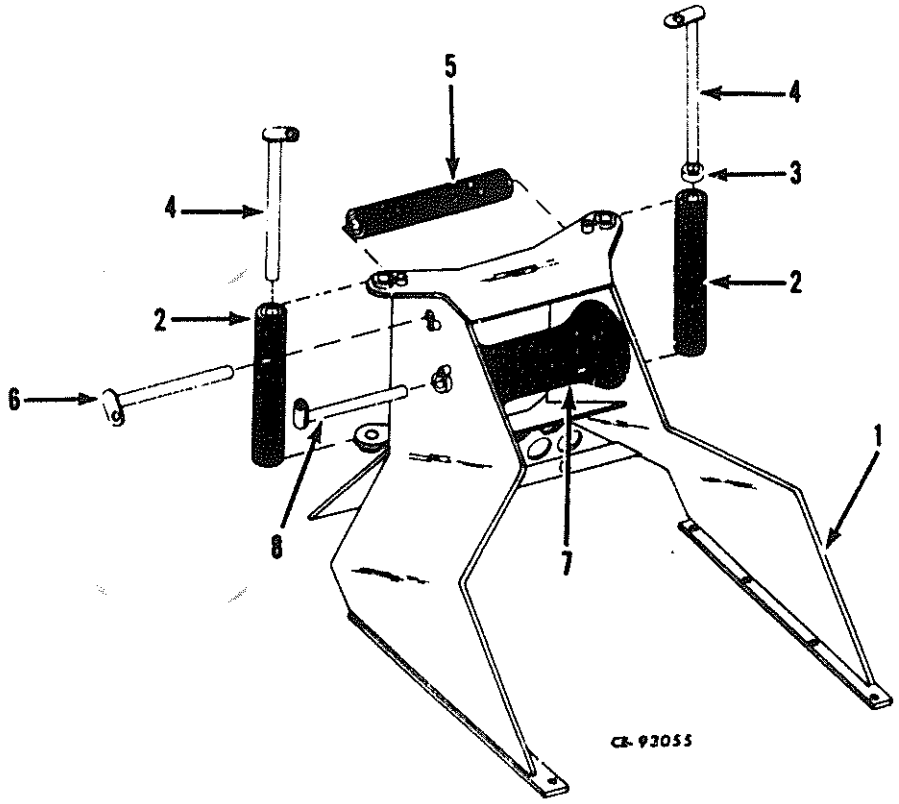
EQUIPMENT MOUNTING

REF. NO.	PART NUMBER	DESCRIPTION

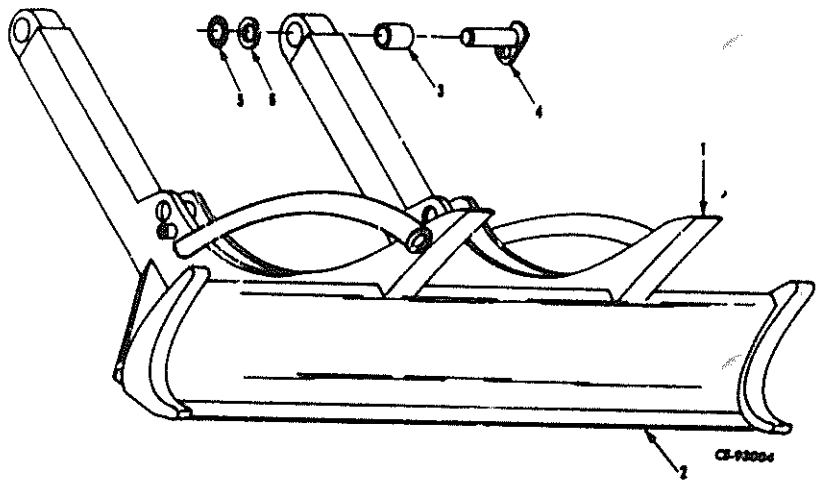


FAIRLEAD GROUP

REF. NO.	PART NUMBER	DESCRIPTION
1	884356C1	MAST
	271588	SCREW, Cap - 5/8 NF x 2-1/4 (8)
	18453R1	NUT, Jam - 5/8 NF (8)
	884697C1	SCREW, 1/2 NF x 2 (Flat Head Socket) (4)
	106265	WASHER, Flat - 1/2 (4)
	103323	WASHER, Lock - 1/2 (4)
	103028	NUT, 1/2 NF (4)
2	880011C11	SLEEVE (Includes next item) (2)
3	880025C91	BEARING (2)
4	885827C1	ROD (2)
	181356	SCREW, Cap - 3/8 NF x 5/8 (2)
	103321	WASHER, Lock - 3/8 (2)
	106263	WASHER, Flat - 3/8 (2)
5	880013C11	SLEEVE (Includes next item)
	880025C91	BEARING (2)
6	8858.8C1	ROD
	181356	SCREW, Cap - 3/8 NF x 5/8
	103321	WASHER, Lock - 3/8
	106263	WASHER, Flat - 3/8
7	212427H1	ROLLER (Includes next item) (S/N 05090 & below) (Order the following parts - 1 PIN 928933C1; 1 ROLLER 932796C91; 2 WASHER 928925C1)
	212428H1	BEARING (S/N 05090 & below) (2)
7	932796C91	ROLLER ASSEMBLY (Includes next two items) (S/N 05091 & up)
	560329C1	ROLLER (S/N 05091 & up)
	156647C91	BEARING (S/N 05091 & up) (2)
8	885829H1	PIN, Lock (S/N 05090 & below)
8	928933C1	PIN, Lock (S/N 05091 & up)
	181426	SCREW, Cap - 1/2 NF x 7/8
	103323	WASHER, Lock - 1/2
	106265	WASHER, Flat - 1/2
	928925C1	WASHER, Lock Pin (S/N 05091 & up) (2)

EQUIPMENT MOUNTING

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



DOZER BLADE

1	887921C3	BLADE, Dozer		109462	FITTING, Grease (2)
2	880641C1	EDGE, Cutting	4	157509H1	PINLOCK (2)
3	158833H1	BUSHING (2)	5	172143H1	RING, Cord (2)
			6	106265	WASHER (2)

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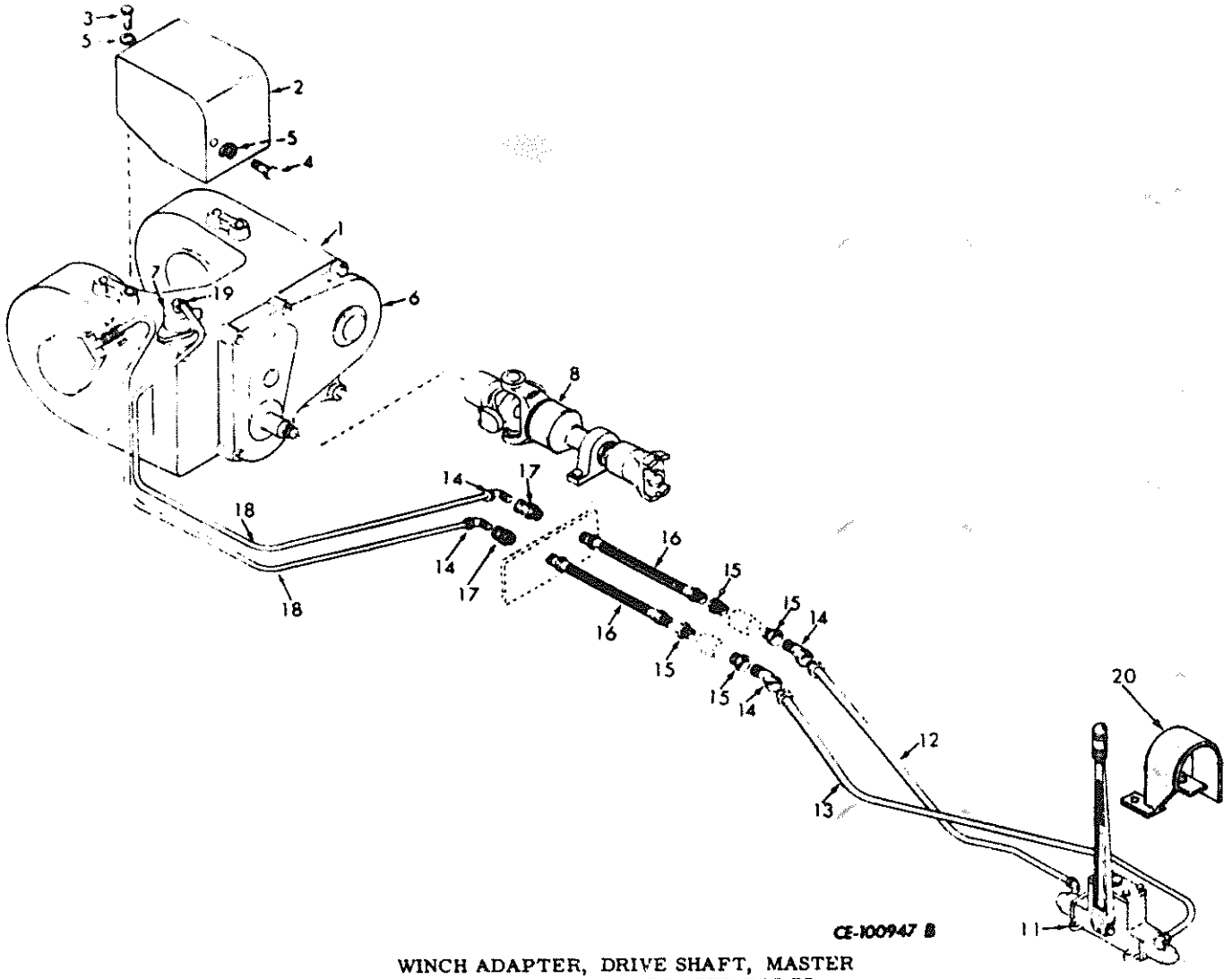
EQUIPMENT MOUNTING

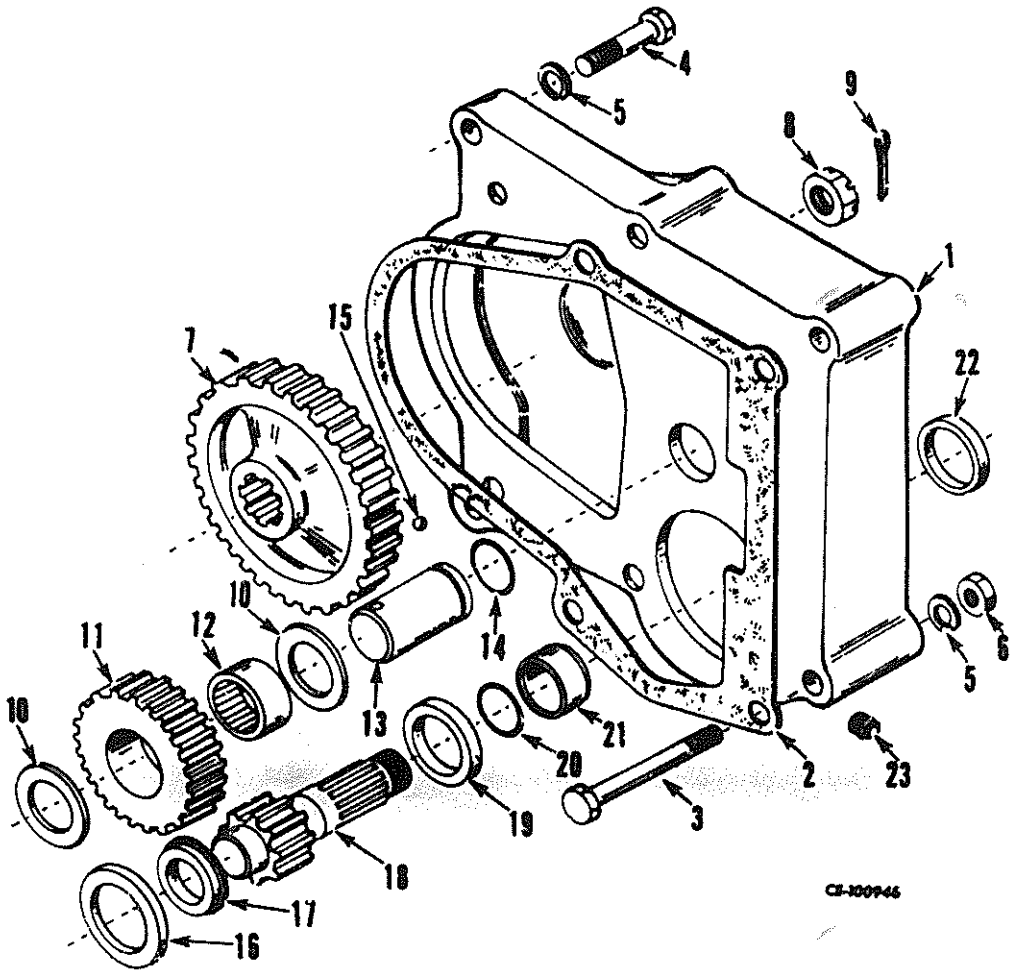


WINCH ADAPTER, DRIVE SHAFT, MASTER CONTROL AND RELATED PARTS
(05056 and up)

REF NO.	PART NUMBER	DESCRIPTION
1	215329H1	WINCH ASSEMBLY
	271609	BOLT, 3/4 NC x 1-3/4 (10)
	103326	WASHER, Lock (10)
2	923552C1	SUPPORT
3	271611	BOLT, 3/4 NC x 2
4	271607	BOLT, 3/4 NC x 1-1/2
5	103326	WASHER, Lock (2)
6		ADAPTER ASSEMBLY (Refer to Adapter Assy.)
7		CYLINDER ASSEMBLY (Refer to Brake Cylinder and Related Parts)
8		SHAFT, Drive (Refer to Drive Shaft Center Bearing to Winch)
11		MASTER CONTROL (Refer to Master Control Unit)
	181374	BOLT (4)) Master
	106263	WASHER, Flat (4)) Control
	103321	WASHER, Lock (4)) Mounting
12	164338H1	TUBE ASSEMBLY
13	134791H1	TUBE ASSEMBLY
14	429033R1	ELBOW (4)
15	144043	BUSHING (4)
16	894463C1	HOSE (2)
17	83867HX	FITTING, Bulkhead (Includes the next three items) (2)
	83867H	BODY
	138561	WASHER
	123834H	NUT
18	923575C1	TUBE ASSEMBLY (2)
	850231C1	CLAMP (2)
	179845	BOLT 3/8 x 1-3/4
	102635	NUT
	110730	WASHER, Lock
19	118753	ELBOW
20	876626C1	BRACKET
	921326C91	PACKAGE, w/Winch 215329H1, Master Control 215334H1 and Adapter Assy. 922293C1

EQUIPMENT MOUNTING

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



ADAPTER ASSEMBLY
05056 & Up

	922293C91	ADAPTER ASSEMBLY	12	627447C91	BEARING
1	922299C1	HOUSING	13	922297C1	PIN, Idler
2	922296C1	GASKET	14	293739R1	"O" RING
3	271646	SCREW, Cap (4)	15	17008R1	BALL
4	271615	SCREW, Cap (2)	16	922972C1	RING, Sealing
5	103326	WASHER, Lock (6)	17	ST247	BEARING
6	219753	NUT (4)	18	922294C1	SHAFT, P.T.O.
7	627378C1	GEAR, Pinnion	19	922975C1	BEARING
8	217624H1	NUT	20	707253R1	"O" RING
9	103390	PIN, Cotter	21	ST-215	BEARING
10	922298C1	SPACER (2)	22	217813H1	SEAL
11	922295C1	GEAR, Idler	23	444588	PLUG, Drain - 1/2" sq. hd.

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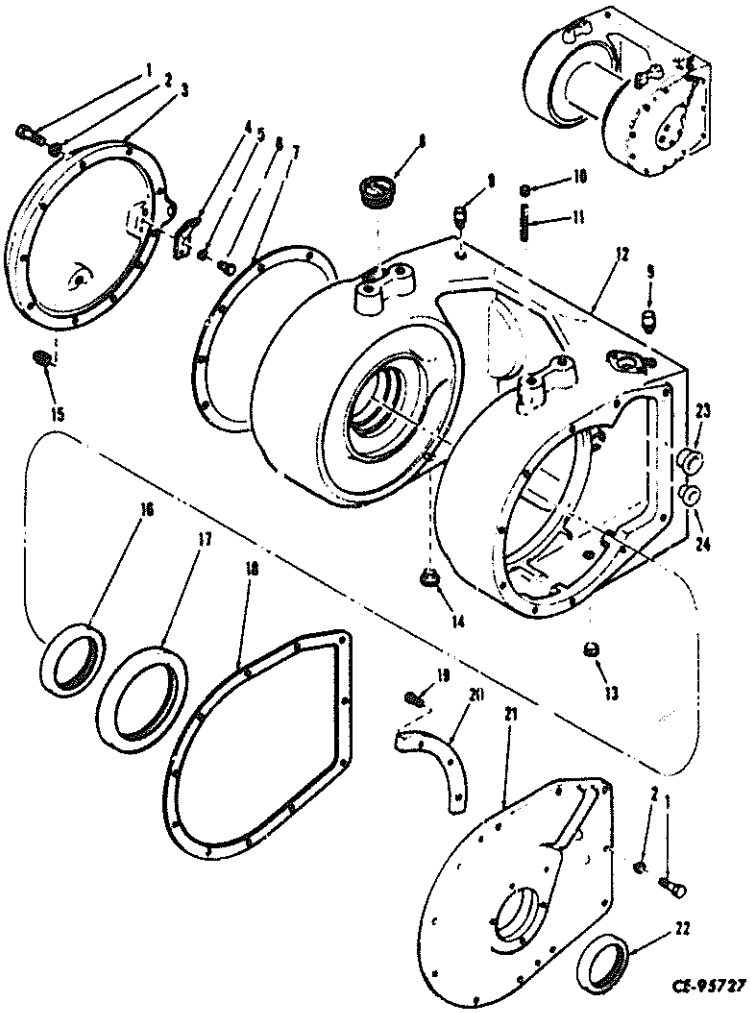
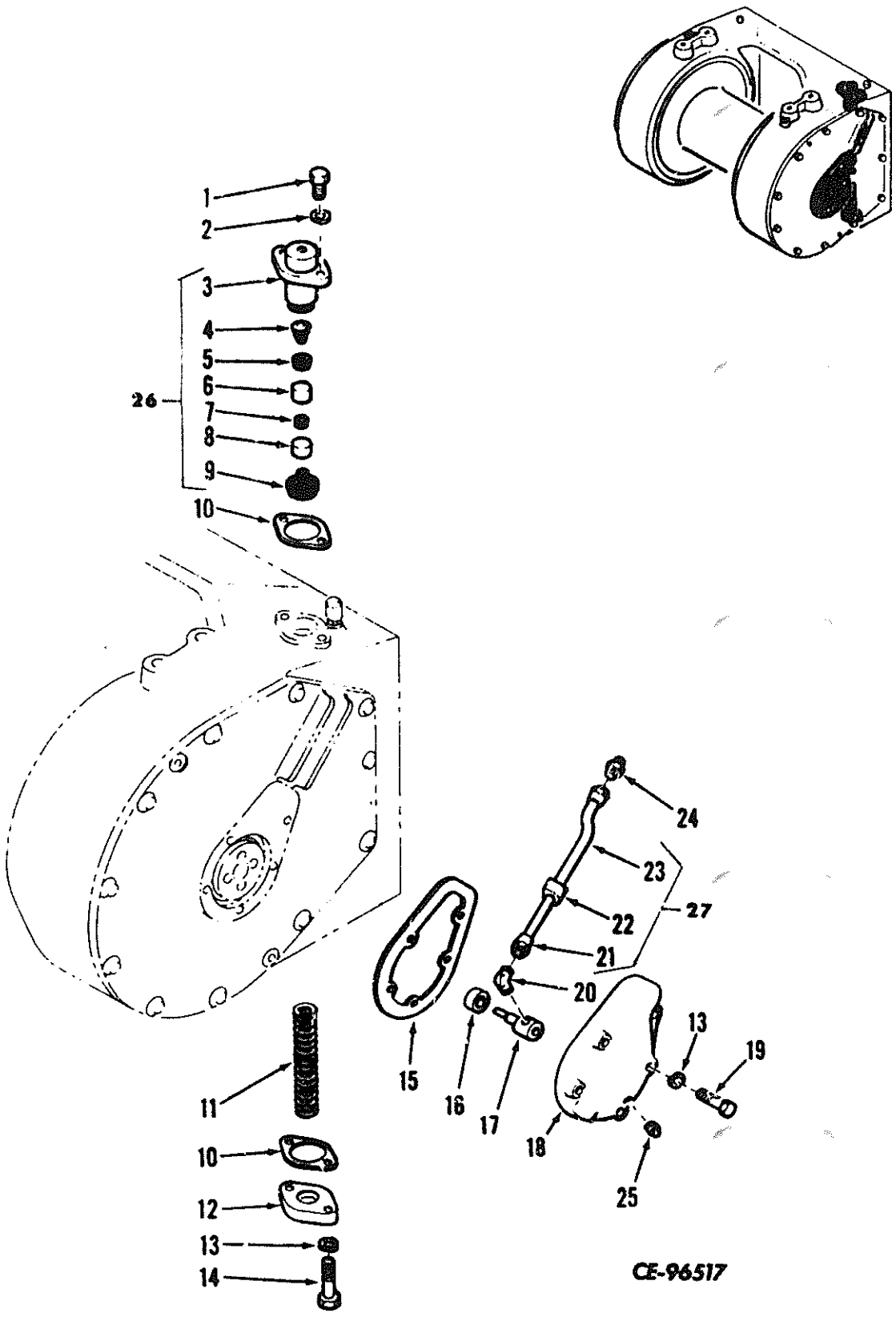
EQUIPMENT MOUNTING



HOUSING AND RELATED PARTS
05056 and up

REF. NO.	PART NUMBER	DESCRIPTION
1	179883	SCREW, Cap (1/2 NC x 1-1/4" hex-hd.) (21)
2	103323	WASHER, Lock - 1/2" (21)
3	217635H1	COVER, Gear
4	217638H1	WIPER, Oil
5	106579	WASHER, Lock - 5/16" (2)
6	179835	SCREW, Cap (5/16 NC x 5/8" hex-hd) (2)
7	217629H1	GASKET
8	202490H1	PLUG, Barrel
9	217503H1	VENT (2)
10	139106	SCREW, Set
11	876735C1	SPRING
12	895772C1	HOUSING
13	444664	PLUG, Pipe
14	202491H1	PLUG, Barrel
15	444588	PLUG, Pipe
16	217640H1	SEAL, Oil
17	217639H1	SEAL, Oil
18	217653H1	GASKET
19	138241	SCREW, Cap (3/8 NC x 3/4" soc-hd) (3)
20	217679H1	RING, Guide
21	217654H1	COVER, Clutch
22	876384C91	SEAL, Oil
23	893398C1	PLUG, Lever (Secondary)
24	893397C1	PLUG, Lever (Primary)

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



BRAKE CYLINDER AND RELATED PARTS
05056 and up

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EQUIPMENT MOUNTING

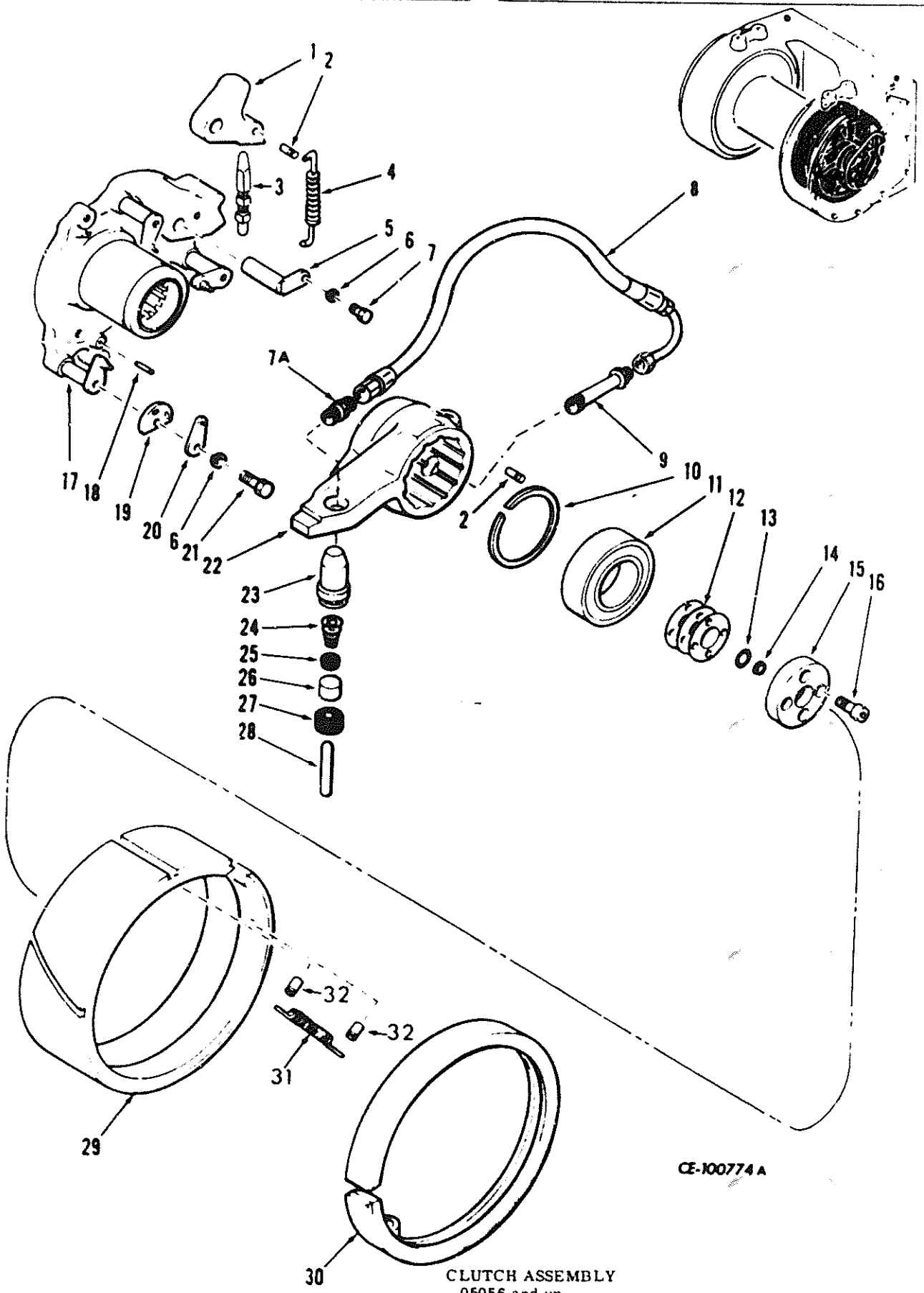
REF. NO	PART NUMBER	DESCRIPTION
		BRAKE CYLINDER AND RELATED PARTS 05056 and up
1	179839	SCREW, Cap (3/8 NC x 1" hex-hd) (2)
2	103321	WASHER, Lock - 3/8" (2)
3	217505H1	CYLINDER, Brake
4	202484H1	SPRING
5	202476H1	"U" CUP
6	217506H1	PISTON
7	217458H1	SPRING
8	202477H1	PISTON
9	202492H1	BOOT
10	217504H1	GASKET (2)
11	217516H1	SPRING, Brake
12	217515H1	SPRING, Cap
13	103328	WASHER, Lock - 7/16" (7)
14	217700H1	SCREW, Cap (2)
15	217655H1	GASKET
16	217601H1	BEARING
17	217662H1	TUBE, Hydraulic
18	217664H1	CAP, End
19	179862	SCREW, Cap (7/16 NC x 1-1/2" hex-hd) (5)
20	118753	ELBOW
21	215458H1	NUT (2)
22	217524H1	GROMMET
23	217706H1	TUBING, Copper
24	217495H1	ADAPTER
25	445684	PLUG, Drain - 1/8 NPT
26	875488C91	CYLINDER ASSEMBLY, Brake
27	217633H1	TUBE ASSEMBLY

REF. NO.	PART NUMBER	DESCRIPTION
886015C1		KIT, Brake Cylinder (Consists of -
	1 BOOT	202492H1
■	1 CAPSULE	LUB FLUID
	2 GASKET	217504H1
	1 PISTON	217506H1
	1 PISTON	202477H1
	1 SPRING	202484H1
	1 SPRING	217458H1
	1 "U"CUP	202476H1)

■ - Not furnished separately.

EQUIPMENT MOUNTING

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



CLUTCH ASSEMBLY
05056 and up

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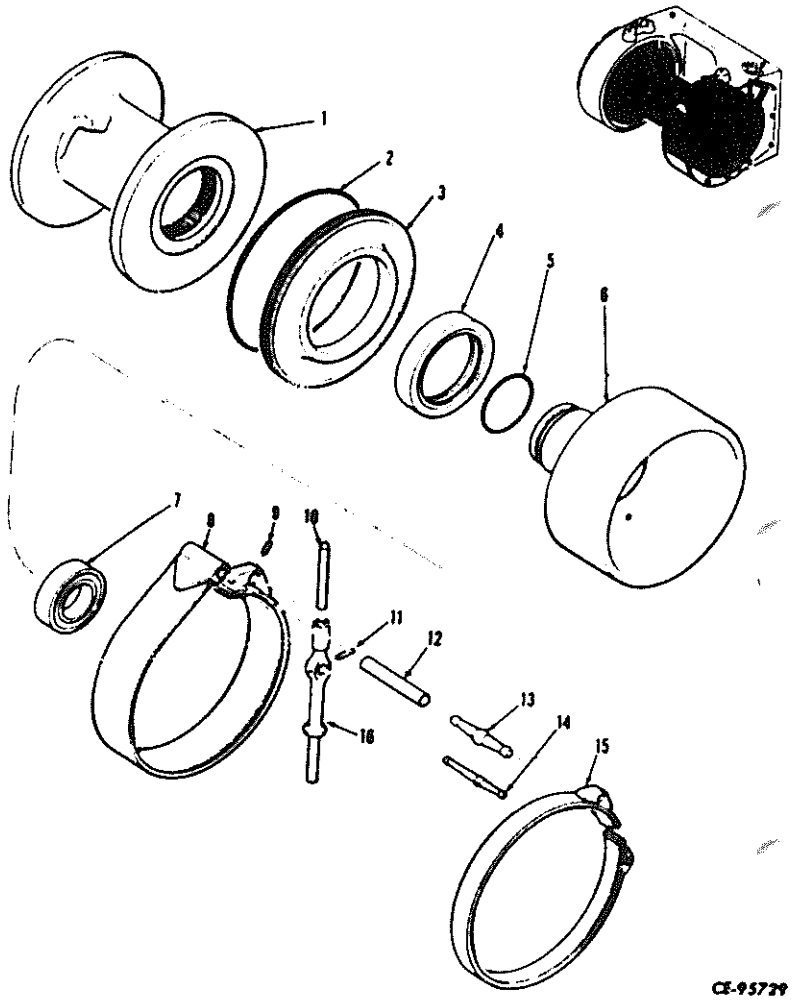
EQUIPMENT MOUNTING

REF. NO.	PART NUMBER	DESCRIPTION
	CLUTCH ASSEMBLY 05056 and up	
1	881026C1	LEVER, Arm
2		PIN (Part of Item 1)
3	217702H1	ROD, Push (Order Rod, 560928C91)
3	560928C91	ROD ASSEMBLY, Push
4	881029C1	SPRING (Order Rod, 560928C91)
5	217666H1	PIN, Pivot
6	103321	WASHER, Lock - 3/8" (7)
7	181351	SCREW, Cap (3/8 NF x 1/2" hex-hd)
7A	922485C1	CONNECTOR, Male
8	922482C1	HOSE ASSEMBLY
9	922486C1	FITTING, Hydraulic
10	ST-454	RING, Snap
11	217656H1	BEARING
12	217658H1	SHIM SET
13	369908R1	"O" RING
14	202462H1	"U" SEAL
15	217659H1	CAP, Gland
16	181370	SCREW, Cap (3/8 NF x 1-1/4" soc-hd) (4)
17	217648H1	HUB, Clutch
18	17175R1	PIN, Sel-lok (3)
19	924234C1	CAM, Adjusting (6)
20	217459H1	PLATE, Lock (6)
21	179839	SCREW, Cap (3/8 NC x 1" hex-hd) (6)
22	881028C1	LEVER, Clutch
	893395C91	CYLINDER ASSEMBLY, Clutch (Includes Items 23 to 27)
23	202480H1	CYLINDER
24	202484H1	SPRING
25	48887H	"U" CUP
26	49660H	PISTON
27	49661H	BOOT
28	217692H1	ROD, Push
29	881027C1	CLUTCH BAND, Secondary (Order Clutch Band, 217651H3)
29	217651H3	CLUTCH BAND, Secondary
30	217652H2	CLUTCH BAND, Primary
31	881029C1	SPRING, Used with BAND, 881027C1
32		PIN, Used with BAND, 881027C1
	893396C1	KIT, Clutch Cylinder Repair (Includes Items 24 thru 27)
	922483C91	KIT, Clutch Hose Replacement (Includes Items 7A, 8 and 9)

EQUIPMENT MOUNTING

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



DRUM & BRAKE BANDS
05056 and up

1	893400C1	DRUM, Cable	10	217507H1	ROD, Push
	103389	PIN, Cotter - 1/8 x 2"	11	19711R1	PIN, Sel-lok
2	22426R1	"O" RING	12	217694H1	PIN, Anchor
3	217647H1	HOUSING, Oil Seal	13	217695H1	LEVER, Brake
4	217646H1	SEAL, Oil	14	217688H1	LEVER, Brake
5	304694R1	"O" RING	15	217686H1	BRAKE BAND, Primary
6	217649H1	DRUM, Brake	16	893399C1	BLOCK, Lever
7	217641H1	BEARING		895055C1	FERRULE, 7/16 & 1/2 Cable
8	217687H1	BRAKE BAND, Secondary		895056C1	FERRULE, 9/16 & 5/8 Cable
9	19801R1	PIN, Sel-lok		895057C1	FERRULE, 11/16 & 3/4 Cable

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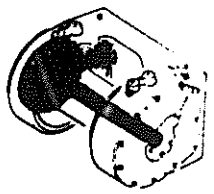
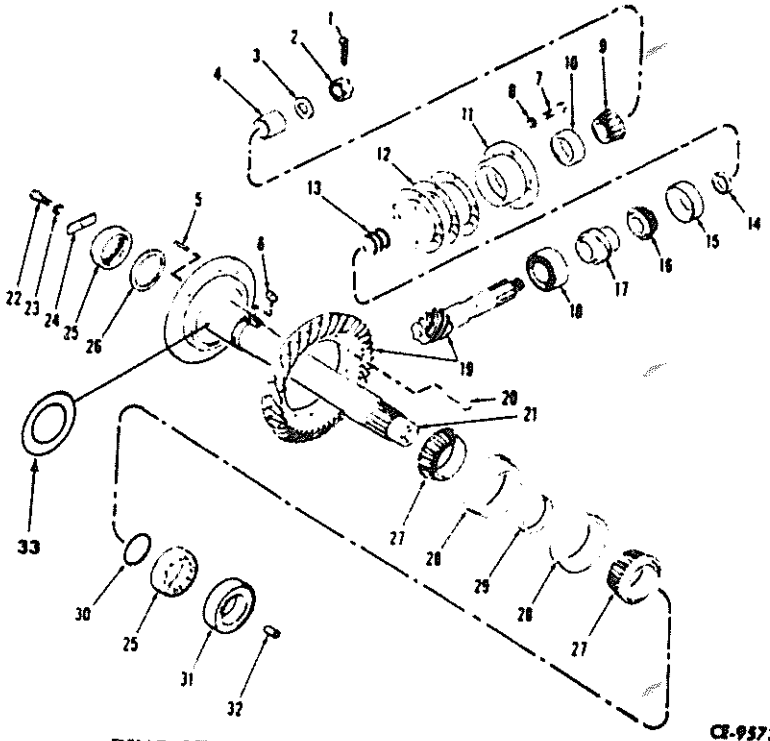
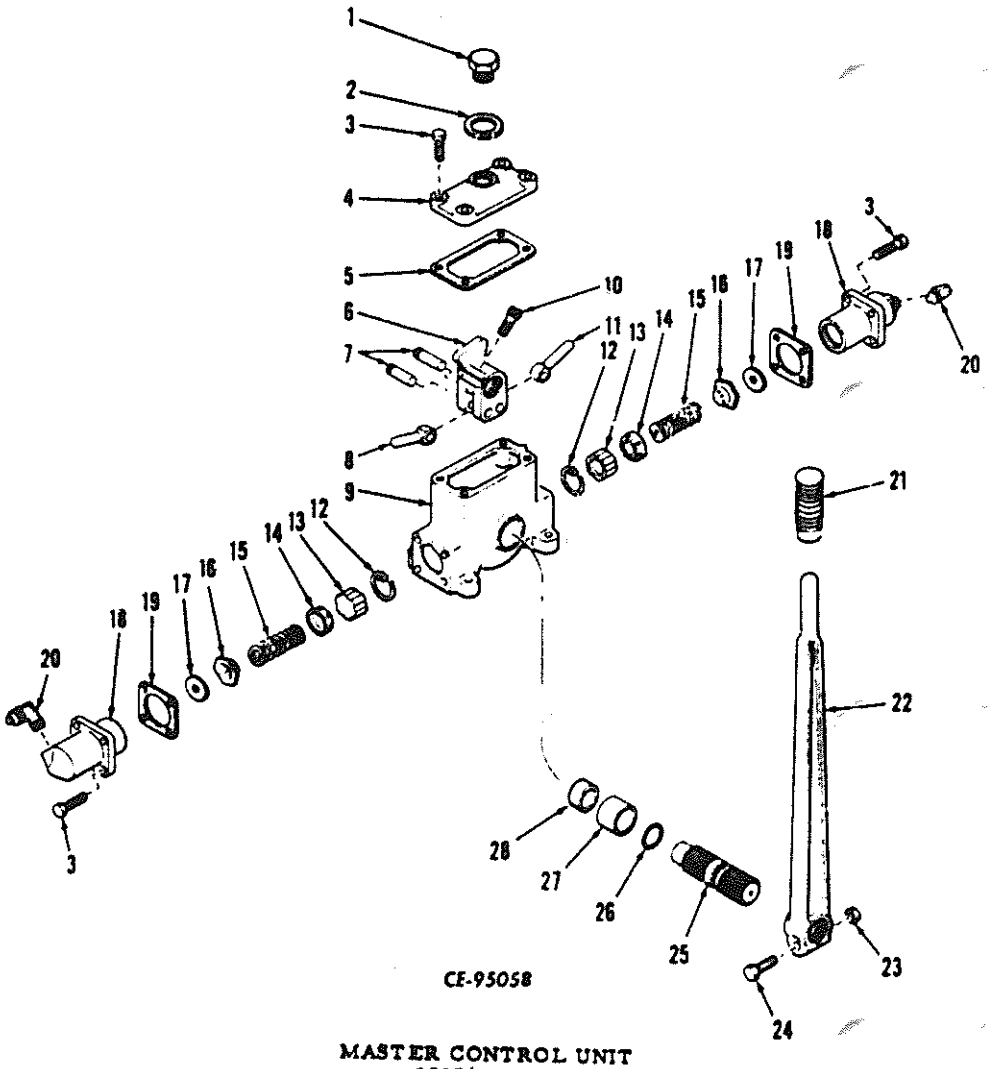




RING GEAR, PINION, SHAFT AND RELATED PARTS
05056 and up

REF. NO.	PART NUMBER	DESCRIPTION
1	103390	PIN, Cotter
2	217624H1	NUT
3	217623H1	WASHER
4		BUSHING (For Shipment Only)
5	217631H1	PIN (6)(winch S/N 19-8999 and below)
6	217691H1	KEY, Lock
7	271560	SCREW, Cap (5/8 NC x 1-3/4" hex-hd) (6)
8	103325	WASHER, Lock - 5/8" (6)
	217626H1	HOUSING ASSEMBLY, Bearing (Consists of Items 9 to 16)
	217710H1	BEARING ASSEMBLY (Includes Items 10 and 15)
9	ST2005A	CONE, Timken
10	HO1439	CUP, Timken
11	217709H1	HOUSING, Bearing (Includes Items 10 and 15)
12	217425H1	SHIM SET
13	217711H1	SHIM SET
14	217712H1	SPACER, Bearing
	217713H1	ASSEMBLY, Bearing (Includes Items 15 and 16)
15	ST957	CUP, Timken
16	49372H	CONE, Timken
17	217627H1	SLEEVE, Spacer
18	495596R91	BEARING
	217630H1	PINION ASSEMBLY, Gear & Shaft (Includes Items 19, 20, and 21) (winch S/N 19-8999 and below)
	927744C91	PINION ASSEMBLY, Gear & Shaft (Includes Items 19, 20, and 21) (winch S/N 19-9000 & up)
19	217703H1	RING ASSEMBLY, Gear & Pinion (Matched set includes Item 20)
20	217704H1	RIVET (16)
21	217705H1	SHAFT, Drum (Includes Item 32) (winch S/N 19-8999 & below)
21	927743C1	SHAFT, Drum (Includes Item 32) (winch S/N 19-9000 & up)
22	181354	SCREW, Cap (3/8 NF x 1/2" hex-hd) (winch S/N 19-8999 & below)
23	103321	WASHER, Lock 3/8" (winch S/N 19-8999 & below)
24	217634H1	PLATE, Lock (winch S/N 19-8999 & below)
25	217633H1	LOCKNUT (winch S/N 19-8999 & below) (2)
25	217633H1	LOCKNUT (winch S/N 19-9000 & up)
26	217632H1	SPACER, Thrust (winch S/N 19-8999 & below)
	217636H1	ASSEMBLY, Bearing (Includes Items 27 and 28)
27	217708H1	CONE, Timken
28	217707H1	CUP, Timken
29	217637H1	SPACER, Bearing
30	217449H1	"O" RING
31	217641H1	BEARING
32	217522H1	RETAINER, Cup (Part of Item 21)
33	927745C1	SPACER (winch S/N 19-9000 & up)

EQUIPMENT MOUNTING



MASTER CONTROL UNIT
05056 and up

REF. NO.	PART NUMBER	DESCRIPTION
	215334H1	MASTER CONTROL ASSEMBLY (Includes Items 1 to 27)
1	202516H1	FILLER CAP
2	202461H1	WASHER
3	179817	SCREW, Cap - 5/16 NC x 7/8 Hex Head (12)
4	202513H1	COVER
5	202517H1	GASKET
6	202523H1	ROCKER ARM
7	202524H1	PUSH ROD PIN (2)
8	892356C1	SHORT PUSH ROD
9	892529C91	HOUSING (Includes Items 27 & 28)
10	202518H1	SCREW, Cap
11	892357C1	LONG PUSH ROD
	875485C91	CYLINDER ASSEMBLY (Includes Items 12 to 18) (2)
12	202530H1	LOCK RING (2)
13	202531H1	PISTON (2)
14	202532H1	CUP (2)
15	202533H1	SPRING (2)
16	202528H1	VALVE ASSEMBLY (Includes Item 17) (2)
17	875489C1	WASHER (Part of Item 16) (2)
18	202534H1	CYLINDER (2)
19	202529H1	GASKET (2)
20	166195H1	ELBOW (2)
21	202515H1	HAND GRIP
22	202514H1	CONTROL HANDLE
23	9410056	NUT, 3/8 NF
24	181377	SCREW, Cap - 3/8 NF x 1-3/4 Hex Head
25	202519H1	SHAFT
26	350684R1	"O" RING
27	202520H1	BUSHING
28	897377C1	* BUSHING

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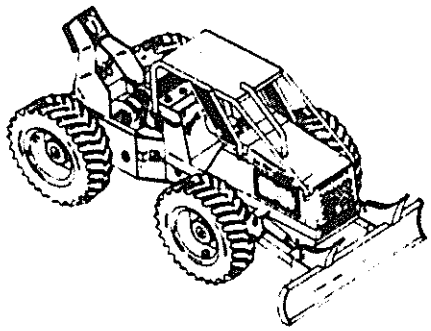
SECTION 18

ACCESSORIES & ATTACHMENTS



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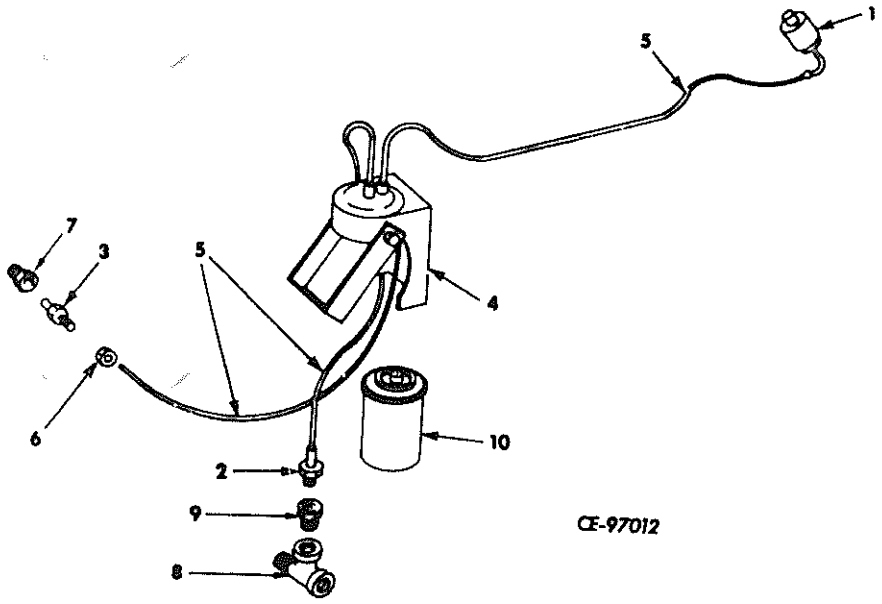
REF. NO.	PART NUMBER	DESCRIPTION	REF. NO.	PART NUMBER	DESCRIPTION



STARTING AID KIT

	889851C91	KIT, Starting Aid	9	141539	BUSHING, 1/4 to 1/8
	879794C91	KIT, Actuator, Nozzle & Bracket	10		STARTING FLUID (Purchase Locally)
1	883752C1	ACTUATOR		181313	BOLT, 1/4 NF x 3/4 (2)
2	884617C1	CONTROL, Injection		19776R1	NUT, 1/2 NF ESNA (2)
3	884618C1	NOZZLE		160046	SCREW, #10-32 x 1/2
4	884869C1	BRACKET		884507C1	PRODUCTGRAPHIC, Cold Start
5	883421C1	TUBING, 1/8" Bulk		FGH11213	SCHEMATIC INSTALLATION
6	884615C1	SLEEVE & NUT, 1/8"		FGH11214	INSTRUCTION, Rework
7	144045	BUSHING, 1/2 to 1/4			
8	444261	TEE, 1/2 Street			

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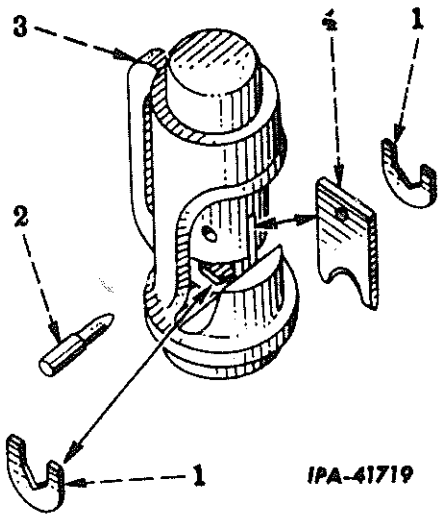
REF. NO.	PART NUMBER	DESCRIPTION

CABLE CUTTER



	286552R91	CUTTER, Cable (05053 and below)
	271555	SCREW, Cap - 5/8 NC x 1-1/8 (2)
	103325	WASHER, Lock - 5/8 (2)
		(Consists of the following)
1	289203R1	BLADE, Bottom (2)
2	289204R1	PIN, Top cutting blade locking
3		BODY (Not furnished separately)
4	289202R1	BLADE, Top cutting
	265923	PIN, 3/16 x 1-1/4 roll

REF. NO.	PART NUMBER	DESCRIPTION

BUFFER PLATE EXTENSION

	889495C91	KIT, Buffer plate
	889486C1	FENDER, L.H.
	889487C1	FENDER, R.H.
	889494C1	BAR (2)
	FGH11156	INSTALLATION INSTRUCTIONS

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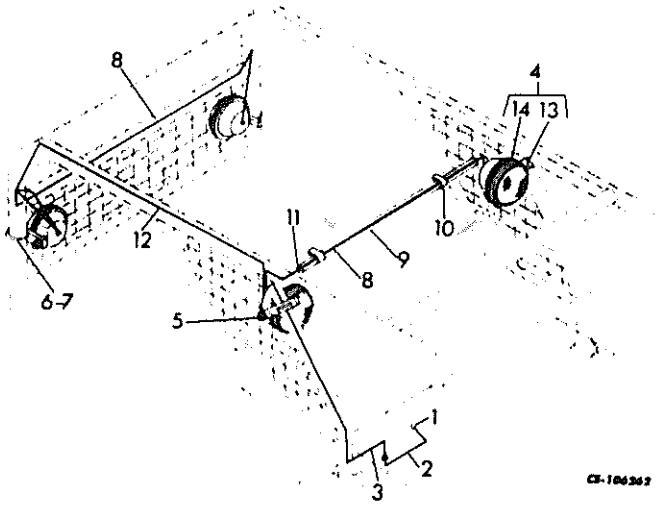
FLOOD LAMP



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

REF. NO.	PART NUMBER	DESCRIPTION
A	884491C91	KIT, Flood lamp (S/N 5200 and below)
B	932775C91	KIT, Flood lamp (S/N 5201 and up)
1		SWITCH, Ignition (Refer to Wiring)
2	214971H1	WIRE, Ignition to light switch
3	884497C1	WIRE, Light switch to light (Kit A)
3	884493C1	WIRE, Light switch to light (Kit B)
4	338825R91	LAMP, Flood (Kit A) (4)
	103343	WASHER, Flat - 17/32 ID (4)
	163639H1	WASHER, Lock (8)
	18452R1	NUT, Esna - 3/8 NC (4)
4	338826R91	LAMP, Flood (Kit B) (4)
	103343	WASHER, Flat - 17/32 ID (4)
	178589	WASHER, Lock - 1/2 (8)
	18452R1	NUT, Esna - 1/2 NF (4)
5	218378H1	BAR, Lamp bracket (Kit A) (4)
5	932768C1	BAR, Lamp bracket (Kit B) (4)
6	HS-756	"U" BOLT (Kit A) (4)
6	932769C1	"U" BOLT (Kit B) (4)
7	18423R1	NUT - 3/8 NC (Kit A) (8)
7	9413979	NUT - 3/8 NC (Kit B) (8)
8	884494C1	WIRE (2)
9	884492C1	TUBE (Kit A)

REF. NO.	PART NUMBER	DESCRIPTION
10	HA-1351	CLAMP (Kit A) (2)
	179793	BOLT, 1/4 NC x 5/8 (2)
	103319	WASHER, Lock - 1/4 (2)
	109084	NUT, 1/4 NC (2)
11	172621H1	GROMMET (Kit A) (2)
12	204704H2	WIRE
13		LAMP (Not furnished separately) (Kit A) (4)
13	272061R91	LAMP (Kit B) (4)
14		RETAINER, Sealed unit (Not furnished separately) (Kit A) (4)
14	338896R1	RETAINER, Sealed unit (Kit B) (4)
	202355H1	GROMMET (Between wires and canopy) (7)
	FGH10576	DRAWING, Installation (Kit A)
	FGH14322	DRAWING, Installation (Kit B)

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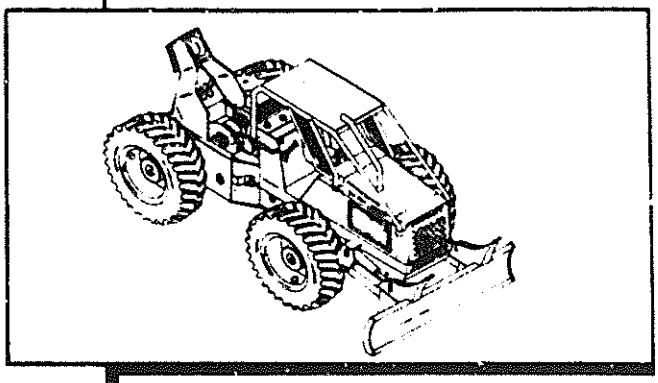

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