

REPAIR PARTS CATALOG
No. 419A
FOR
PACER 100&200 - SUPER 100&200
BLH AUSTIN-WESTERN
POWER GRADERS

THIS REPAIR PARTS CATALOG APPLIES
TO MACHINES NUMBERED SERIALLY
FROM NO. 6190 AND UP
OR AS INDICATED

THIS REPAIR PARTS CATALOG APPLIES
TO MACHINE NUMBERED _____

IMPORTANT: ALWAYS GIVE SERIAL NUMBERS OF GRADER AND ENGINE WHEN ORDERING PARTS

PRICE \$1.50 PER COPY

**CONTACT YOUR NEAREST BLH AUSTIN WESTERN DISTRIBUTOR
THERE IS ONE NEAR BY**

- TO THE OPERATOR -

Give the BLH Austin-Western Distributor your grader and engine serial numbers when you order parts. We suggest that you write these serial numbers in the spaces provided below for ready reference when parts are required.

Grader Serial No. _____

(on name plate on frame, on
L.H. side above front axle)

Engine Serial No. _____

(on engine block)

- WARRANTY -

Company warrants all BLH Austin-Western products sold to Distributor for six (6) months after date of shipment, this warranty being limited to the replacement at the factory of such parts as it appears to Company upon inspection by Company to have been defective in material or workmanship. Company makes no warranty in respect to engines, tires, rims, electrical apparatus, or any other trade accessory not manufactured by Company, such being subject to the warranty of their respective manufacturers. No warranty is made or authorized to be made by Company other than herein set forth. Distributor agrees not to alter any products purchased hereunder nor to do anything that will in any way infringe, impeach or lessen the validity of the patents or trademarks under which Company's products are made or sold.

We reserve the right to make changes or add improvements at any time without incurring any obligation to make such changes on machines sold previously.

INSTRUCTIONS FOR ORDERING PARTS

When ordering parts, follow the instructions listed below. By doing this you will be assured of receiving the correct part in the shortest period of time.

1. Send your order to the BLH Austin-Western Distributor for your territory.
2. Give the grader and engine serial numbers which will be found on the name plates attached to the mainframe and the engine.
3. Write the quantity, part number and description of the part wanted.
4. Give definite shipping instructions, that is: to whom and where the parts are to shipped, also whether shipment is to go by parcel post, express, freight or truck, prepaid or collect.
5. Confirm all telephone or telegraph orders in writing.

RETURN OF PARTS

When you return parts to your BLH Austin-Western Distributor, be sure the package or part is tagged with your name and address; prepay transportation charges; then write to the Distributor giving full details of shipment as to when, how and why parts are being returned. Give the machine number for which parts are being returned.

CLAIMS FOR SHORTAGE OR BREAKAGE should be made to the transportation company on receipt of goods.

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ALWAYS USE GENUINE - BLH AUSTIN-WESTERN - REPAIR PARTS

Satisfactory and efficient operation of this machine is endangered by the use of inferior repair parts. The use of cheap and imitation parts invariably means short life and higher ultimate cost.

If repair parts could be made at lower cost and sold at less price without sacrificing quality, we would do so. The correct material for the purpose and the knowledge acquired through many years of manufacturing enables the - BLH Austin-Western Plant - to produce quality that will not be found in imitation parts.

You take an unnecessary risk when you use inferior repair parts. We use many bolts, studs, capscrews, etc., that are listed with part numbers. These are made of alloy steel and heat treated to give them maximum strength. They may look like ordinary bolts, studs or capscrews, but use of a substitute for them will lead to break-downs, delays and damage to machine.

When ordering a tapered roller bearing always order a set, which consists of one bearing cup and one bearing cone with rollers.

ALWAYS USE GENUINE - BLH AUSTIN-WESTERN - REPAIR PARTS

- SAFETY FIRST -

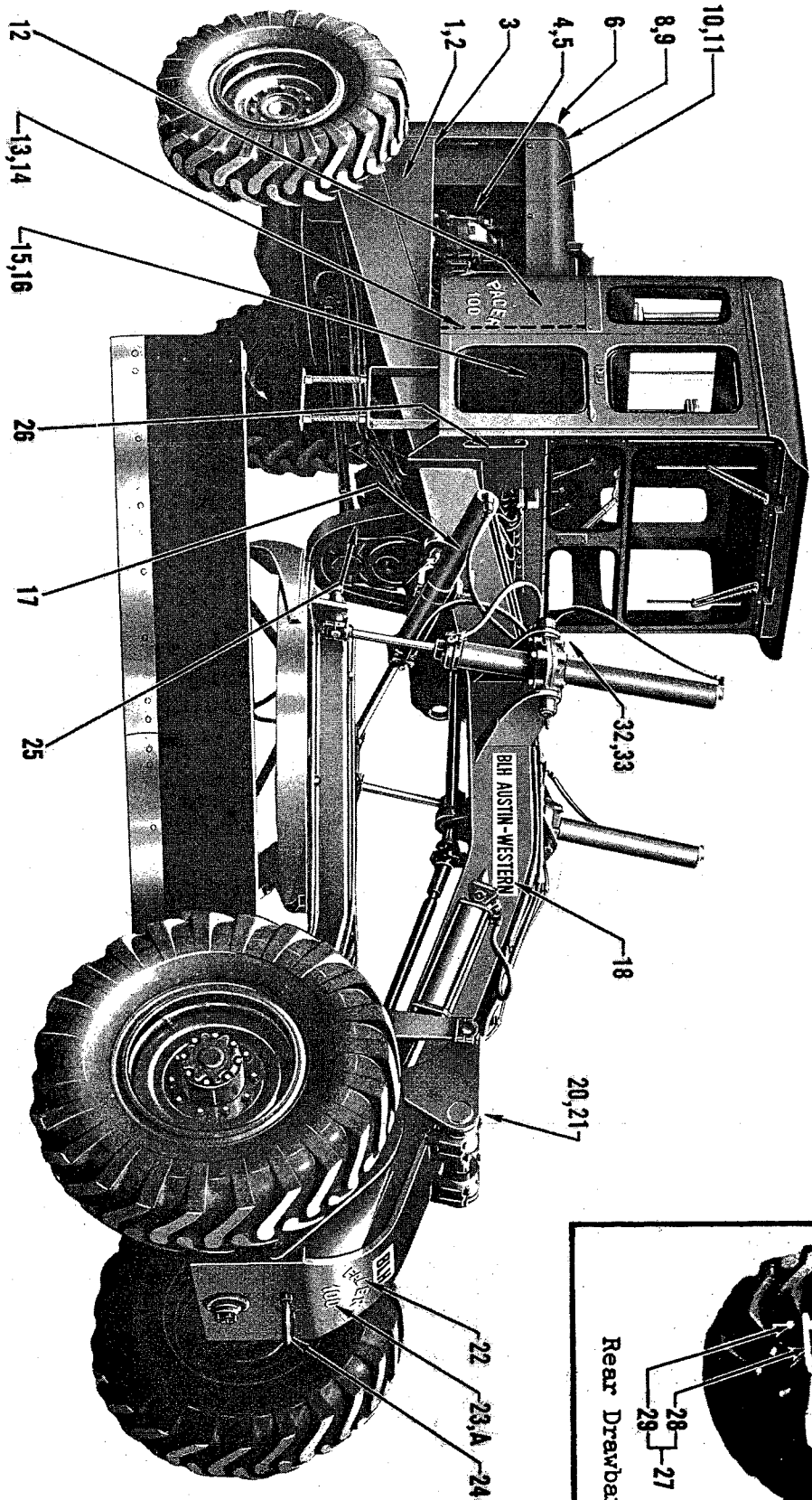
Accidents are caused by the failure of some individual to observe simple and fundamental safety rules or precaution. Accidents can be prevented by recognizing the cause of the accidents and doing something about it before the accident occurs.

Regardless of the care used in the design of a machine, there are points that cannot be completely safeguarded without interfering with accessibility and efficient operation.

A careful operator is the best insurance against an accident.

Many accidents would be prevented if the following rule were observed:

"Never attempt to clean, oil or adjust a machine while it is in motion."

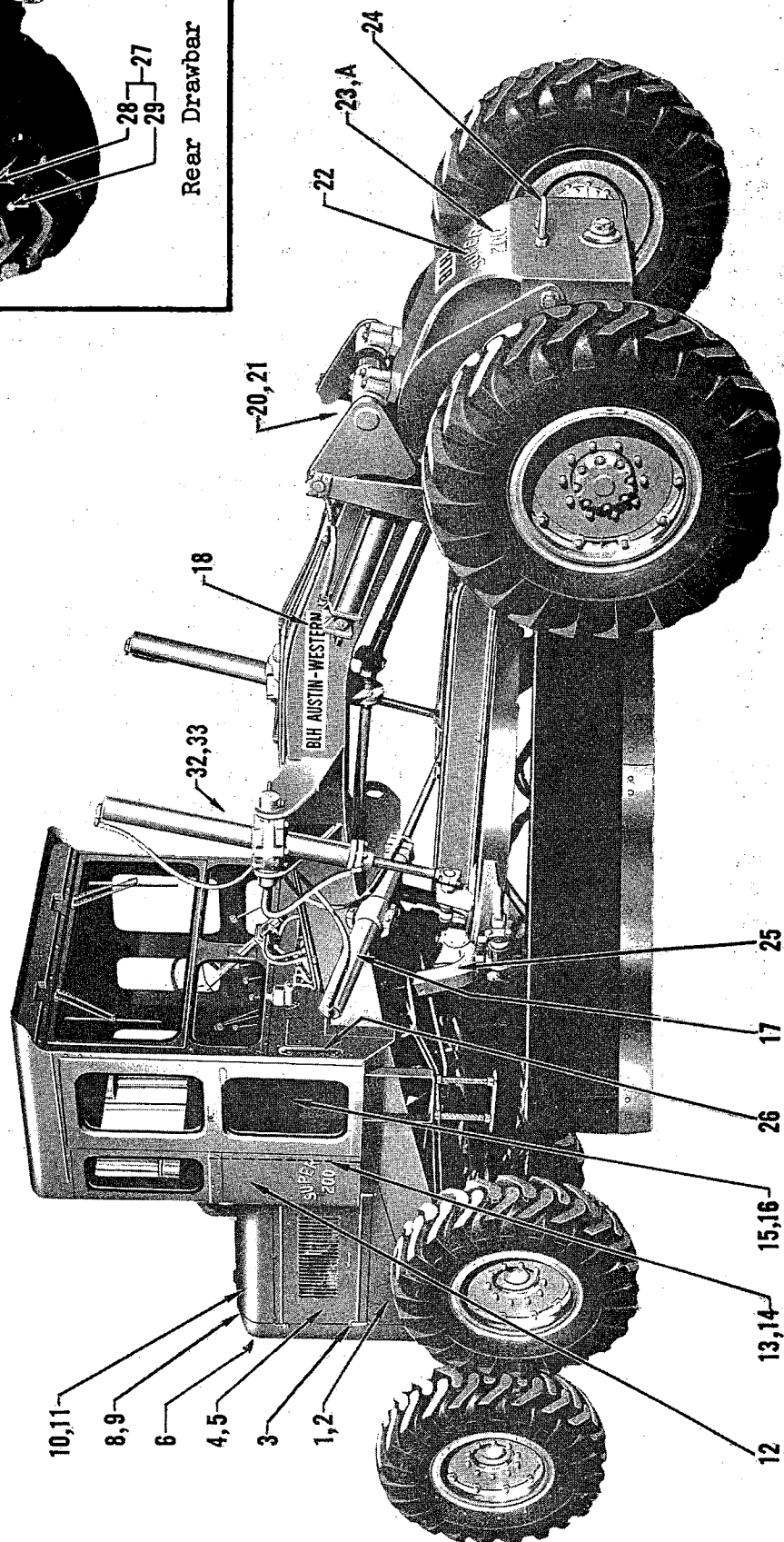


MISCELLANEOUS PARTS FOR PACER 100 - 200 GRADERS
(Pacer 100 Shown)

(For Part Numbers,
see next page)

MISCELLANEOUS PARTS FOR PACER 100 - 200 GRADERS
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-16838	1	SILL, R.H., hood side
2	PGF-16839	1	SILL, L.H., hood side
3	BRF-1546	4	FASTENER, hood side
4	PGF-14518	1	SIDE, R.H., hood
5	PGF-14512	1	SIDE, L.H., hood
6	HCF-13580	1	LABEL, A-W name (on radiator)
8	PGF-14504	1	BAND, hood (rear)
9	PGF-14563	1	BAND, hood (front)
10	PGP-16806	1	HOOD with six PGF-3892 hangers (GMC engine)
11	PGP-16268	1	HOOD with six PGF-3892 hangers (Cummins engine)
12	PGF-16837	1	WRAPPER, lower cab
13	PGF-13744	1	ANGLE, R.H., lower cab wrapper
14	PGF-13745	1	ANGLE, L.H., lower cab wrapper
15	PGF-13559	1	PLATE, tie
16	PGF-7364	4	ANGLE, tie plate
17			HIGH LIFT RAM (see separate page)
18	HCF-13590	2	LABEL, A-W name
20	PGF-17639	1	PLATE, name, serial number
21	751002	2	SCREW, serial number plate
22	PGF-17549	3	NAME, series designation
23	PGF-17553	3	NUMBER (100), series designation
23A	PGF-17554	3	NUMBER (200), series designation
24	PGF-14863	1	HOOK, tow ("U" bolt)
25	PGF-10475	1	GUARD, transfer case
26	PGF-11881	4	HANDLE, grab
27	PGU-8455	1	REAR DRAWBAR GROUP (includes Ref. Nos. 28 and 29)
28	PGF-17084	1	BRACKET
29	PGF-17085	1	PIN, connection
30	PGF-16998	1	PLATE, cover
31	PGF-16997	2	LUG, cover plate
32	PGF-18129	1	PLATE, data, patent (on cab lower wrapper)
33	918002	2	SCREW, patent plate



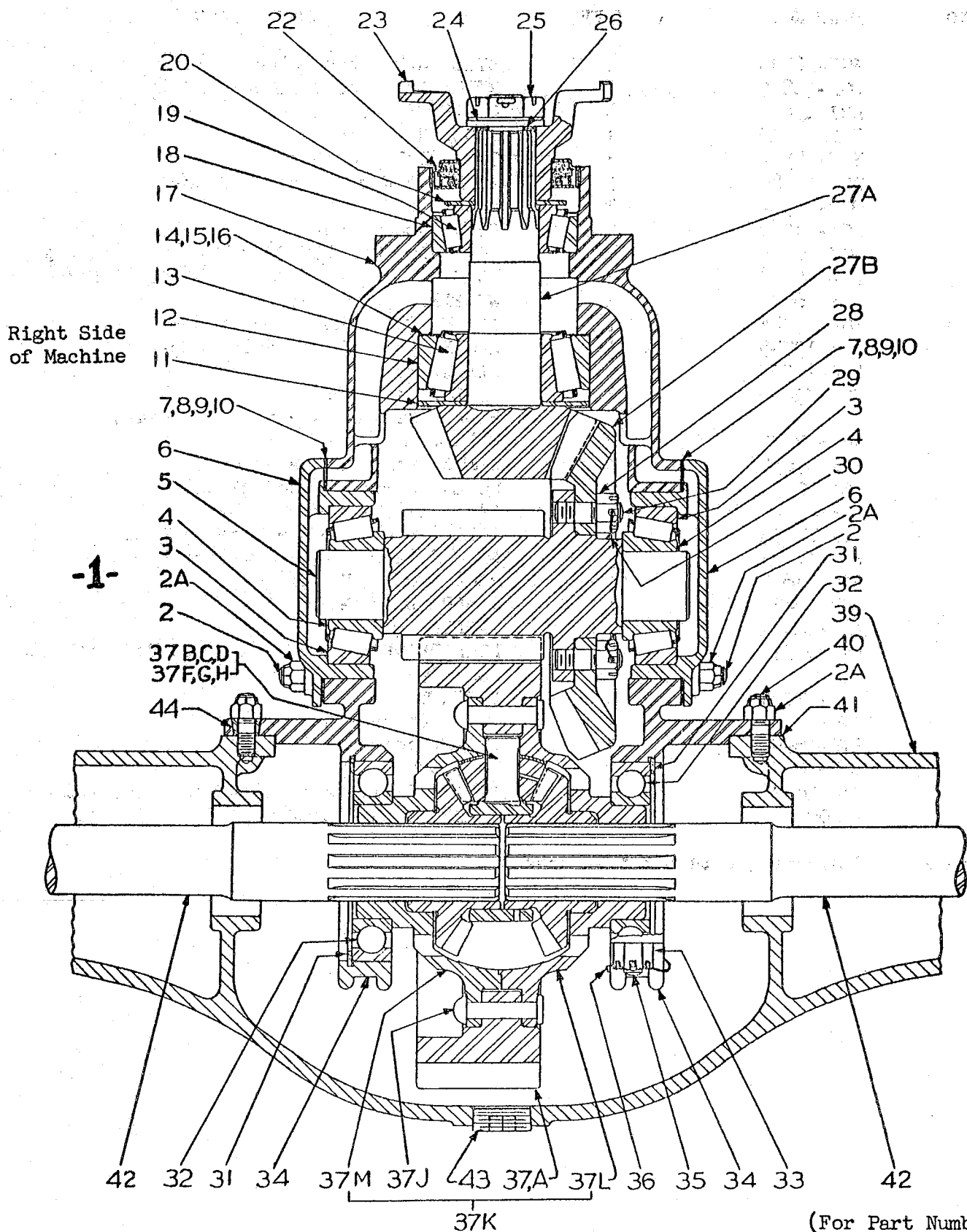
(For Part Numbers,
see next page)

MISCELLANEOUS PARTS FOR SUPER 100 - 200 GRADERS
(Super 200 Shown)

MISCELLANEOUS PARTS FOR SUPER 100 - 200 GRADERS
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-16838	1	SILL, R.H., hood side
2	PGF-16839	1	SILL, L.H., hood side
3	BRF-1546	4	* FASTENER, hood side
4	PGF-14518	1	* SIDE, R.H., hood
5	PGF-14512	1	* SIDE, L.H., hood
6	HCF-13580	1	LABEL, A-W name (on radiator)
8	PGF-14504	1	BAND, hood (rear)
9	PGF-14563	1	BAND, hood (front)
10	PGP-16806	1	HOOD with six PGF-3892 hangers (GMC engine)
11	PGP-16268	1	HOOD with six PGF-3892 hangers (Cummins engine)
12	PGF-16837	1	WRAPPER, lower cab
13	PGF-13744	1	ANGLE, R.H., lower cab wrapper
14	PGF-13745	1	ANGLE, L.H., lower cab wrapper
15	PGF-13559	1	PLATE, tie
16	PGF-7364	4	ANGLE, tie plate
17			HIGH LIFT RAM (see separate page)
18	HCF-13590	2	LABEL, A-W name
20	PGF-17639	1	PLATE, name, serial number
21	751002	2	SCREW, serial number plate
22	PGF-17369	3	NAME, series designation
23	PGF-17553	3	NUMBER (100), series designation
23A	PGF-17554	3	NUMBER (200), series designation
24	PGF-14863	1	HOOK, tow ("U" bolt)
25	PGF-10475	1	GUARD, transfer case
26	PGF-11881	4	HANDLE, grab
27	RGU-8455	1	REAR DRAWBAR GROUP (includes Ref. Nos. 28 and 29)
28	PGF-17084	1	BRACKET
29	PGF-17085	1	PIN, connection
30	PGF-16998	1	PLATE, cover
31	PGF-16997	2	LUG, cover plate
32	PGF-18128	1	PLATE, data, patent (on cab lower wrapper)
33	918002	2	SCREW, patent plate

Note: * Indicates parts not illustrated.

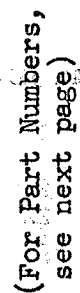


FRONT AXLE GEAR CARRIER

FRONT AXLE GEAR CARRIER
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	FGU-8355-A	1	FRONT AXLE GEAR CARRIER GROUP (includes Ref. Nos. 2 to 38 inclusive)
2	PGF-15052	12	STUD
2A	914005	25	NUT, huglock
3	313098	2	CUP, bearing
4	312250	2	CONE AND ROLLERS, bearing
5	PGF-18261	1	PINION AND GEAR HUB
6	PGF-15067	2	CAP WITH CUP, bearing (includes 1 of Ref. 3)
7	PGF-15379	4	GASKET
8	PGF-10401	As req'd	SHIM (.005)
9	PGF-10403	As req'd	SHIM (.007)
10	PGF-10402	As req'd	SHIM (.020)
11	PGF-9996	1	RETAINER, oil
12	313208	1	CUP, bearing
13	312547	1	CONE AND ROLLERS, bearing
14	PGF-10319	As req'd	SHIM (.005)
15	PGF-10321	As req'd	SHIM (.007)
16	PGF-10320	As req'd	SHIM (.020)
17	PGFS-15409	1	CARRIER, gear (includes Ref. Nos. 2, 2A, 33, 34, 35 and 36)
18	313462	1	CUP, bearing
19	312852	1	CONE AND ROLLERS, bearing
20	PGF-4852	1	WASHER, spline shaft
22	PGF-5240	1	SEAL, oil
23		1	YOKE, fitting (see Prop. Shaft page)
24	PGF-15446	1	WASHER
25	PGF-15449	1	NUT, slotted
26	PGF-18707	1	GASKET, washer
27A	PGF-17034	1	* PINION, spiral bevel
27B	PGF-17034	1	* GEAR, spiral bevel
28	927008	9	NUT, slotted
29	PGF-15097	9	STUD, bevel gear
30	PGF-9436	1	WIRE, lock
31	PGF-10003	2	WASHER, differential bearing
32	311338	2	BEARING, ball, differential hub
33	927007	4	NUT, slotted
34		2	% CAP, bearing
35	PGF-3087	4	STUD
36	PGF-9486	2	WIRE, lock
37	PGF-18260	1	DIFFERENTIAL GROUP (includes Ref. Nos. 37A to 37M inclusive)
37A	PGF-18259	1	BULL GEAR
37B	PGF-12445-56	1	BEVEL PINION AND SPIDER GROUP (includes Ref. Nos. 37D, 37F, and 37G)
37C	PGF-12445-1	2	GEAR, side bevel
37D		1	SPIDER
37F		4	PINION
37G		4	WASHER, pinion
37H	PGF-12445-4	2	WASHER, side bevel gear
37J	PGF-8369	16	RIVET
37K	PGF-12445-55	1	CASE SET (includes Ref. Nos. 37L and 37M)
37L		1	CASE, tongued
37M		1	CASE, recessed
38	HCF-6418	1	PLUG, gear carrier vent - top (not shown)
39	PGP-2526	1	HOUSING, front axle (includes Ref. Nos. 2A to 40)
40	ASF-5112	13	STUD
41	PGFB-10012	1	GASKET
42			SHAFT, drive (see separate page)
43	812006	1	PLUG, drain, countersunk head
44	PGF-3084	1	BUSHING, taper
45	810005	1	PLUG, filler & oil level (in axle hsg. - not shown)

Note: * Bevel pinion and bevel gear sold in matched sets only.
& Bearing caps not sold separately. Order Ref. 17, PGFS-15409, gear carrier.

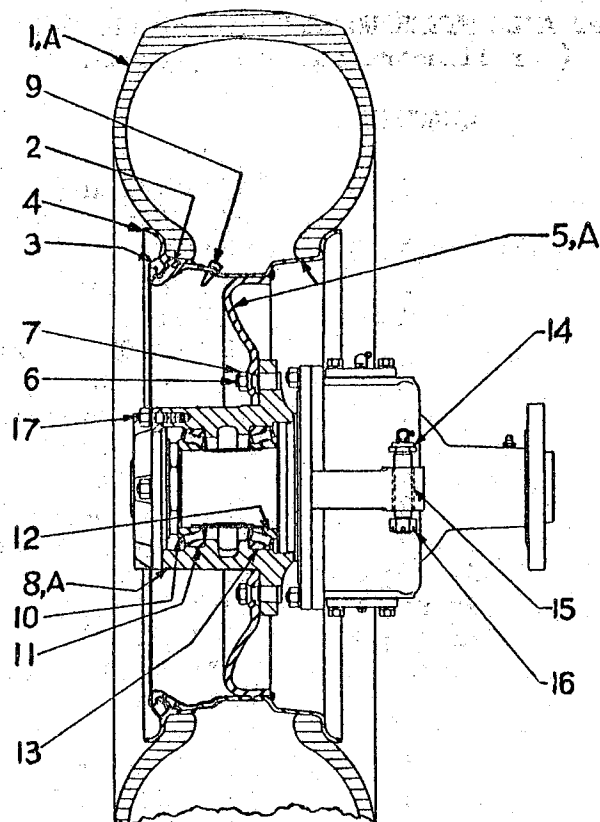


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JOINT AXLE STEERING KNUCKLE AND UNIVERSAL JOINT
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-19037	1	HUB, driving
2	PGF-3675	1	NUT, lock
3	PGF-11718	1	WASHER
4	PGF-3671	1	WASHER, lock
5	PGF-3186	1	GASKET
6	PGP-3670	1	ADJUSTING NUT WITH PIN (includes Ref. No. 7)
7	PGF-3677	1	PIN, adjusting nut
8	PGF-10751	1	KNUCKLE, steering
9	PGF-15075	1	BUSHING, steering knuckle
10	PGF-10752	4	STUD - short (top and bottom)
11	PGF-4361	8	STUD - long
12	PGF-4376	2	CAP, steering bearing
13	PGF-4379	As req'd	SHIM (.005)
14	PGF-4380	As req'd	SHIM (.007)
15	PGF-4381	As req'd	SHIM (.020)
16	312781	2	CONE AND ROLLERS, bearing
17	313347	2	CUP, bearing
18	PGF-10739	1	FELT
19	PGF-4374-2	1	RETAINER, grease
20	PG-1845	1	RETAINER, axle
21	PGF-19060	1	SOCKET, trunnion
22	194250	1	SEAL, oil
23	PGF-14922	1	SHAFT, drive - long
24	PGF-3184	1	GASKET
25	914006	9	NUT, huglock
26	PGF-15859	9	STUD
28	PGF-14926	1	BEARING RING GROUP (includes Ref. Nos. 29, 30 and 31)
29		1	* RING (male)-(not sold separately. Order Ref. No. 28)
30		1	* RING (female)-(not sold separately. Order Ref. No. 28)
31	PGF-14943	8	CAP SCREW, hollow head
32	PGP-1921	1	FLANGE, knuckle (includes Ref. Nos. 10 and 11 and one PGF-4370 bushing)
33	PGF-9977	1	FELT, wheel hub
34	PGF-9986	1	WASHER, wheel felt
35	PGF-14923	1	SHAFT, drive - short
36	ASF-7960-23	1	PLUG
37	RGU-8354	1	BEARING RING AND SHAFT GROUP (includes Ref. Nos. 20, 23, 28 and 35)

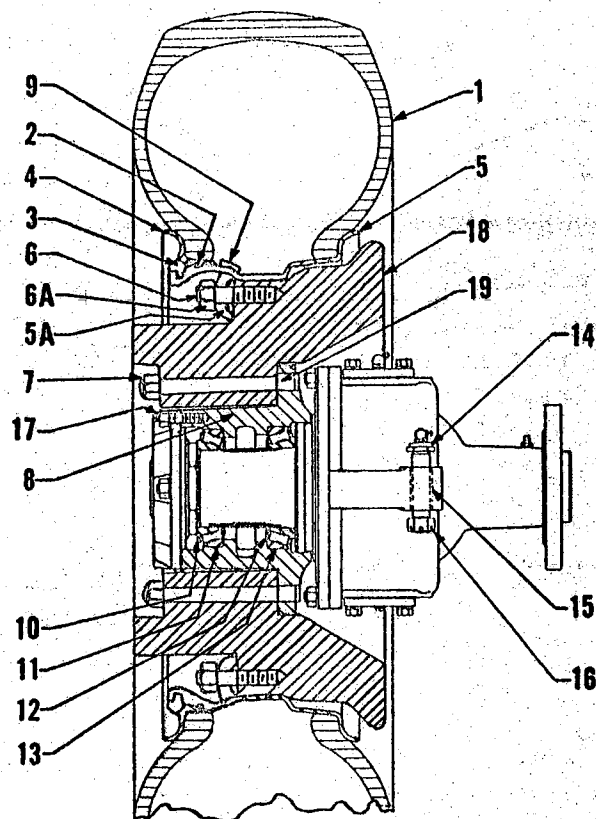
Note: * Sold in pairs only.



FRONT AXLE STEERING KNUCKLE, WHEEL AND TIRE
(On Pacer 100 and Super 100)

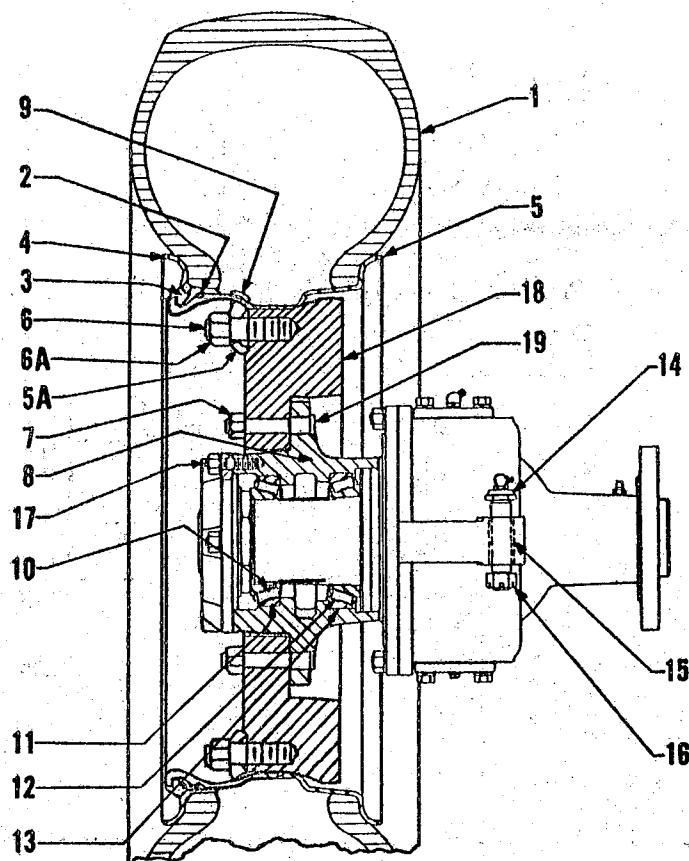
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	* TIRE (tubeless type), 13.00 x 24 - 10 ply
1A		1	# TIRE (tubeless type), 12.00 x 24 - 8 ply
2	PGF-16797	1	# "O" RING (for tubeless type tires)
3	PGF-16796	1	# RING, locking
4	PGF-16795	1	# RING, side
5	PGF-18895	1	# WHEEL WITH RIM (less rings)
5A	HCF-7019	1	* RIM ASSEMBLY
6	PGF-16541	10	# STUD, wheel
7	PGF-7357	10	# NUT, wheel stud
8	PGP-2620	1	* WHEEL HUB WITH STUDS (includes Ref. No. 17)
8A	PGP-2618	1	# WHEEL HUB WITH STUDS (includes Ref. No. 17)
9	PGF-16791	1	# VALVE STEM ASSEMBLY (for tubeless type tires)
10	312831	1	CONE AND ROLLERS, bearing
11	313374	1	CUP, bearing
12	312846	1	CONE AND ROLLERS, bearing
13	313385	1	CUP, bearing
14	PGF-4369	1	BOLT, fork
15	PGF-4370	1	BUSHING, knuckle flange
16	734010	1	NUT, slotted
17	PGF-8498	8	STUD
18	PGF-11817	1	* CHAIN, tire (not shown)

Note: * For Pacer only.
For Super only.



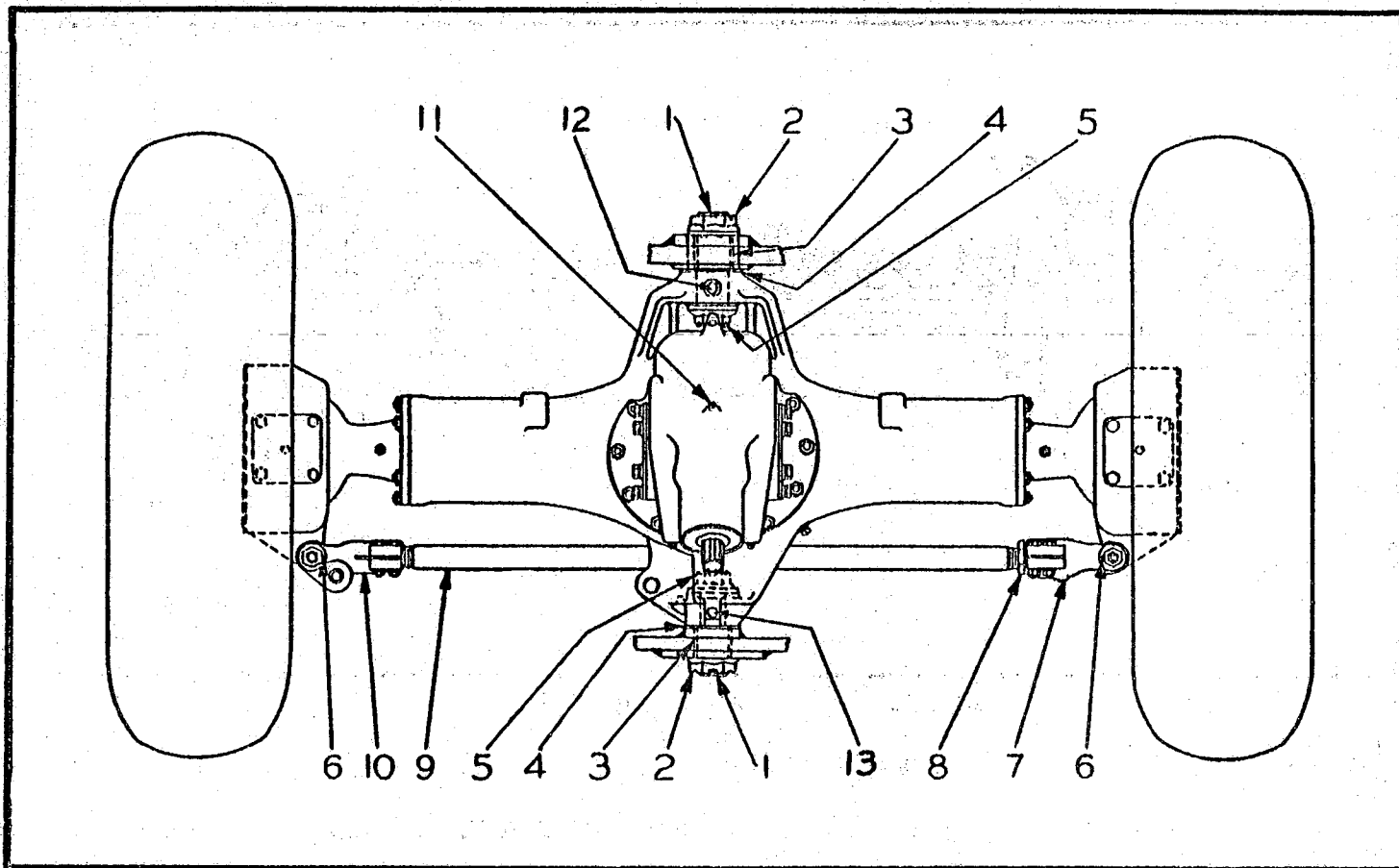
FRONT AXLE STEERING KNUCKLE, WHEEL AND TIRE
(On Pacer 200)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	TIRE (tubeless type), 13.00 x 24 - 12 ply
2	PGF-16797	1	"O" RING (for tubeless type tires)
3	PGF-16796	1	RING, locking
4	PGF-16795	1	RING, side
5	PGF-16831	1	RIM (less rings)
5A	PGF-16461	10	CLAMP, rim
6	PGF-16463	10	STUD, wheel
6A	914007	10	NUT, wheel
7	914008	10	NUT, wheel stud
8	PGP-2620	1	WHEEL HUB WITH STUDS (includes Ref. No. 17)
9	PGF-16791	1	VALVE STEM ASSEMBLY (for tubeless type tires)
10	312831	1	CONE AND ROLLERS, bearing
11	313374	1	CUP, bearing
12	312846	1	CONE AND ROLLERS, bearing
13	313385	1	CUP, bearing
14	PGF-4369	1	BOLT, fork
15	PGF-4370	1	BUSHING, knuckle flange
16	734010	1	NUT, slotted
17	PGF-8498	8	STUD
18	PG-2622	1	WHEEL
19	PGF-16462	10	STUD, wheel



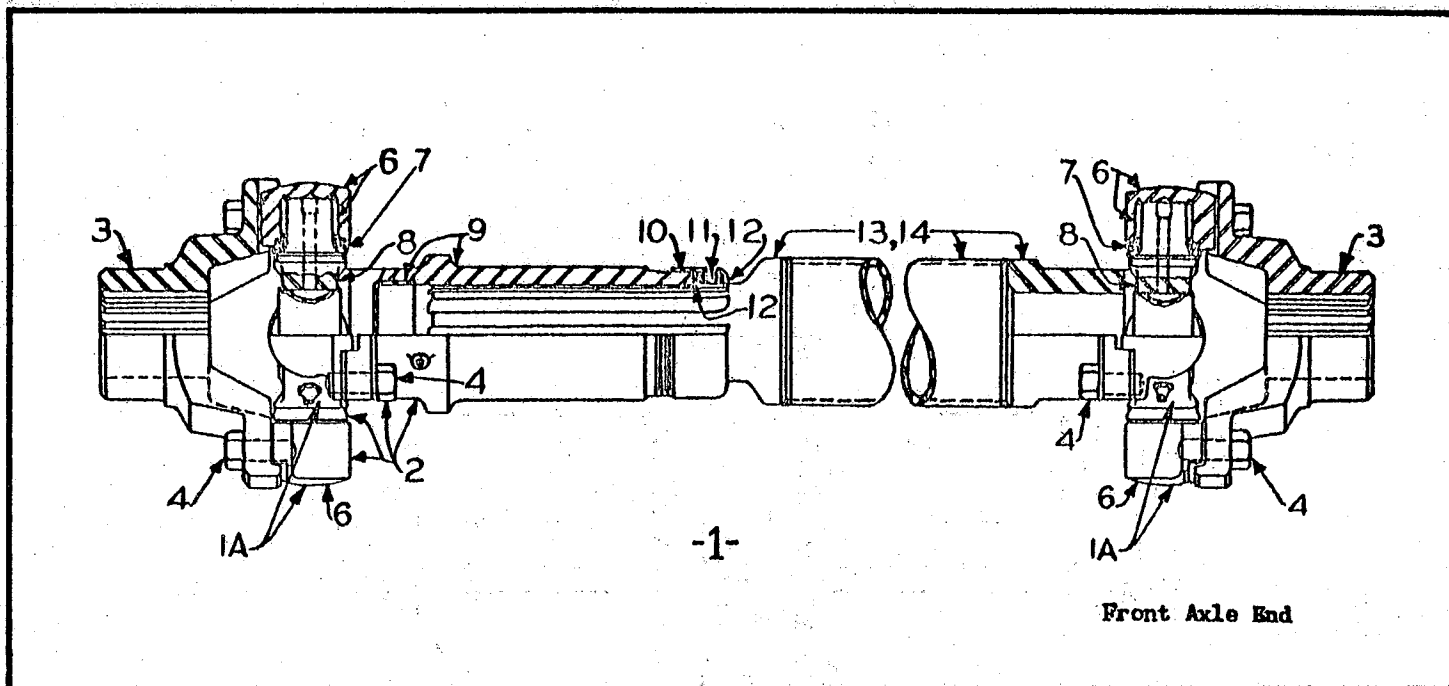
FRONT AXLE STEERING KNUCKLE, WHEEL AND TIRE
(On Super 200)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	TIRE (tubeless type), 12.00 X 24 - 8 ply
2	PGF-16797	1	"O" RING (for tubeless type tires)
3	PGF-16796	1	RING, locking
4	PGF-16795	1	RING, side
5	PGF-16831	1	RIM (less rings)
5A	PGF-16461	10	CLAMP, rim
6	PGF-16463	10	STUD, wheel
6A	914007	10	NUT, wheel
7	914008	10	NUT, wheel stud
8	FGP-2618	1	WHEEL HUB WITH STUDS (includes Ref. 17)
9	PGF-16791	1	VALVE STEM ASSEMBLY (for tubeless type tires)
10	312831	1	CONE AND ROLLERS, bearing
11	313374	1	CUP, bearing
12	312846	1	CONE AND ROLLERS, bearing
13	313385	1	CUP, bearing
14	FGF-4369	1	BOLT, fork
15	PGF-4370	1	BUSHING, knuckle flange
16	734010	1	NUT, slotted
17	PGF-8498	8	STUD
18	FG-2621	1	WHEEL
19	PGF-16464	10	STUD, wheel



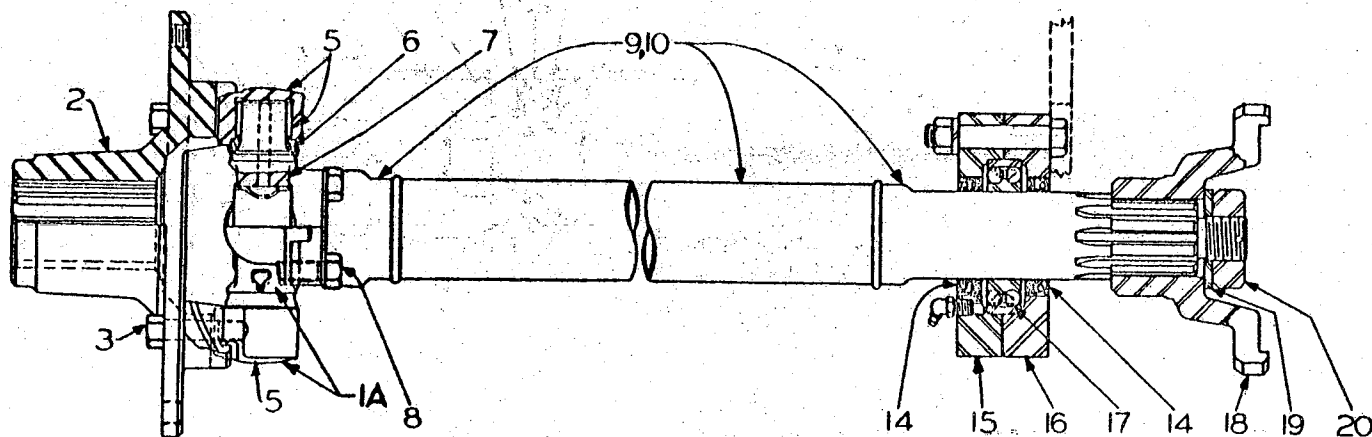
FRONT AXLE TIE ROD AND AXLE SUPPORT

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-9087	2	PIN, pivot
2	PG-A-1771	2	NUT, large
3	PGF-8738	2	BUSHING, frame
4	PGF-9263	2	WASHER
5	PG-2478	2	NUT, small
6	PGF-13270	2	PIN, locking (for fork bolt)
7	PG-2208	1	FORK (also order PGF-13270 pin)
8	PGF-3955	1	NUT, adjusting
9	PGF-17018	1	ROD, tie
10	PG-2209	1	FORK (also order PGF-13270 pin)
11			PLUG, gear carrier vent (see separate page)
12	758133	1	SETSCREW, dog point
13	758137	1	SETSCREW, dog point



FRONT SECTION OF FRONT PROPELLER SHAFT

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-10051	1	PROPELLER SHAFT, complete
1A	PGF-8807-57	2	SPIDER AND BEARING GROUP (includes Ref. Nos. 6, 7 and 8 assembled)
2	465126	1	JOINT GROUP (includes Ref. Nos. 4 ot 12 inclusive)
3	PGF-18670	2	YOKE, fitting
4	PGF-9717-55	16	CAPSCREW
6		8	BEARING GROUP (not sold separately. Order Ref. No. 1A)
7	465149	8	WASHER, cork
8		2	SPIDER GROUP (not sold separately. Order Ref. No. 1A)
9	465118	1	SLIP YOKE, with dust cup
10	465013	1	RETAINER, felt
11	465005	1	FELT
12	465014	2	WASHER, felt retainer
13	465184	1	PROPELLER TUBE AND JOINT GROUP (includes Ref. Nos. 4, 6, 7, 8 and 14)
14	465185	1	PROPELLER TUBE GROUP

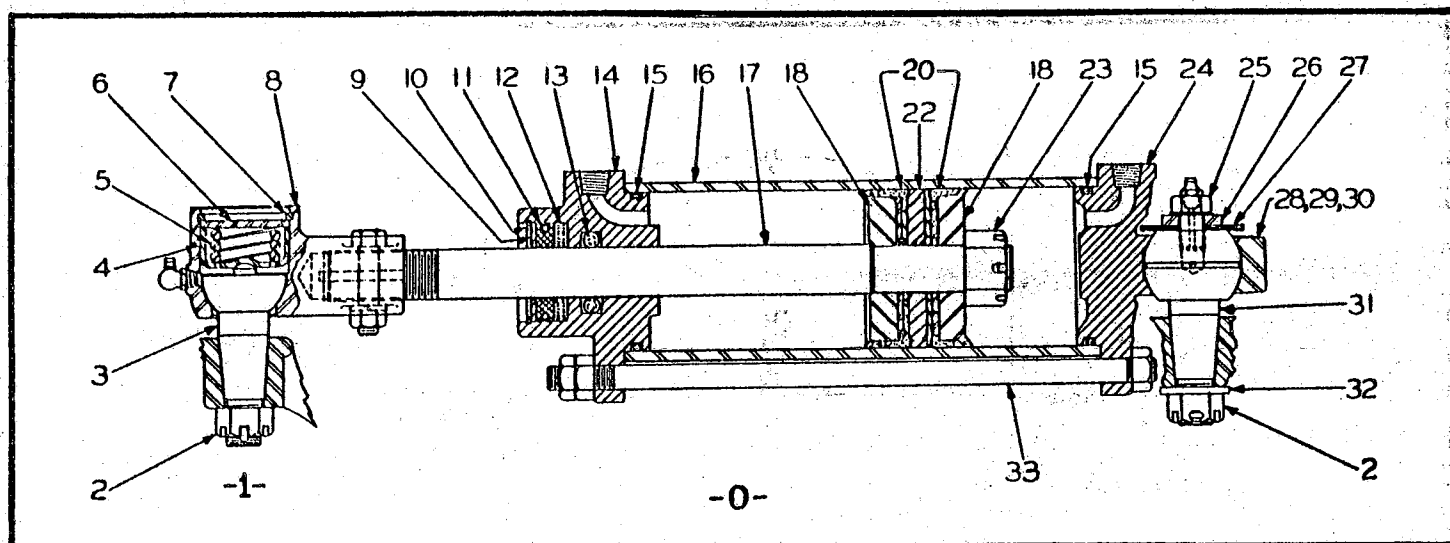


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Transfer Case End

REAR SECTION OF FRONT PROPELLER SHAFT

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-13501	1	PROPELLER SHAFT, complete (includes Ref. Nos. 2 to 10 inclusive)
1A	PGF-8807-57	1	SPIDER AND BEARING GROUP (includes Ref. Nos. 5, 6, and 7 assembled)
2	PGF-8807-55	1	FLANGE, brake
3	PGF-8807-58	4	CAPSCREW, brake flange
5		4	BEARING GROUP (not sold separately. Order Ref. No. 1A)
6	465149	4	WASHER, cork
7		1	SPIDER GROUP (not sold separately. Order Ref. No. 1A)
8	PGF-9717-55	4	CAPSCREW
9	465229	1	PROPELLER TUBE AND JOINT GROUP (includes Ref. Nos. 5, 6, 7, 8 and 10)
10	PGF-10797-55	1	PROPELLER TUBE GROUP
14	PGF-8861	2	SEAL, oil
15	PGF-10141	1	HOUSING, bearing (inner)
16	PGF-10140	1	HOUSING, bearing (outer)
17	314060	1	BEARING, ball
18	PGF-18670	1	YOKE, fitting
19	PGF-4864	1	WASHER
20	PGF-15388	1	NUT, slotted



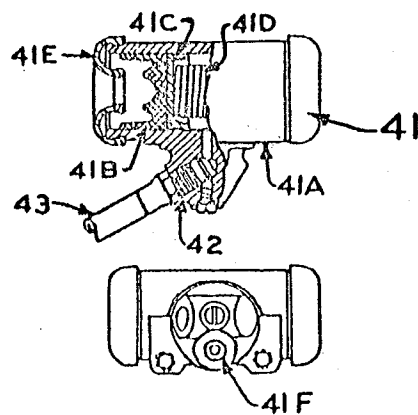
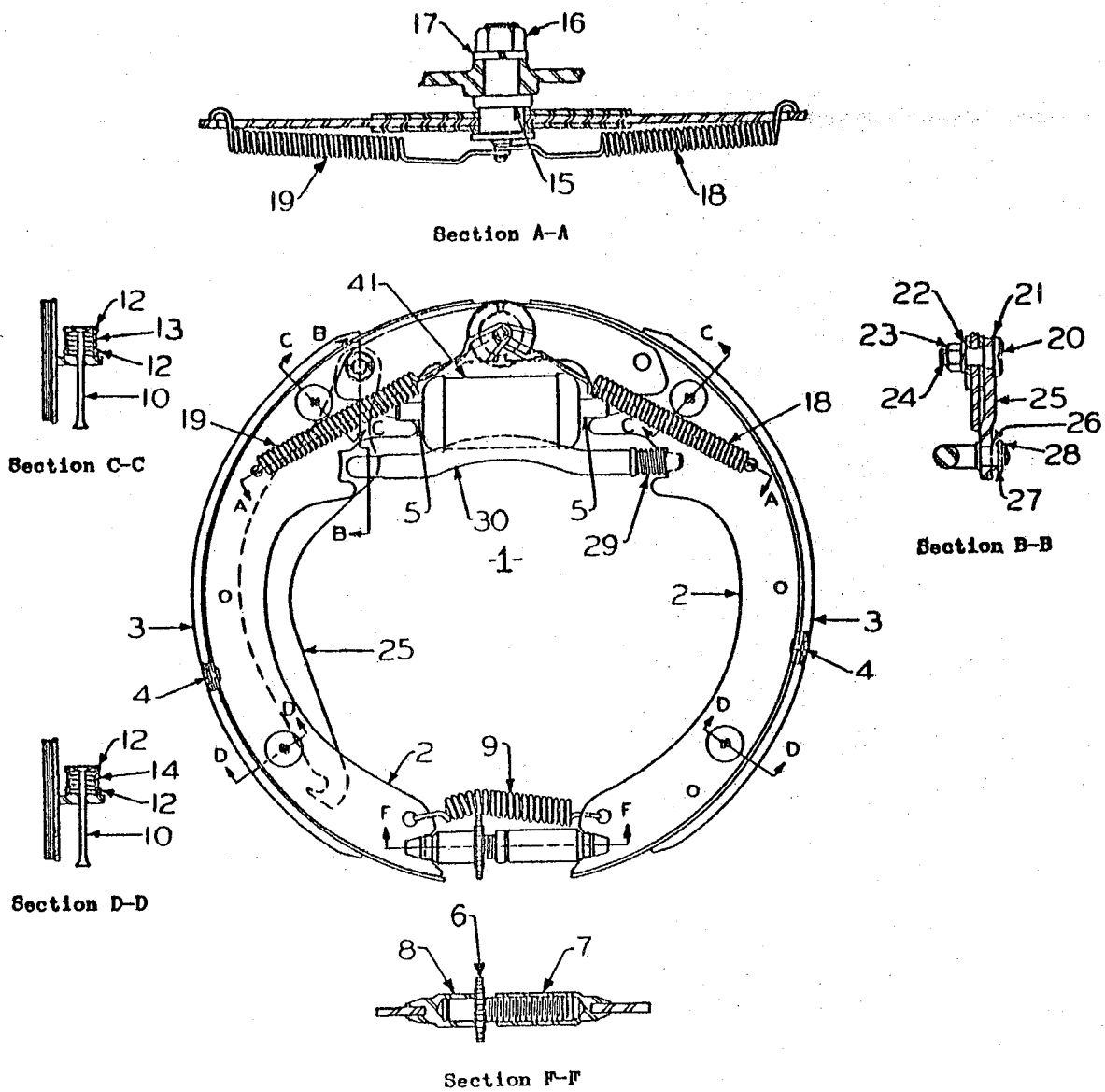
FRONT AXLE STEERING RAM

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8130	1	STEERING RAM GROUP (includes Ref. Nos. 2 to 33 inclusive)
1	PGUS-9163	1	SOCKET GROUP (includes Ref. 2 to 8 inclusive)
2	734010	2	NUT, slotted
3	PGF-4257	1	STUD, ball
4	PGF-4258	1	SEAT, spring
5	PGF-4259	1	SPRING
6	PGF-4261	1	PLUG
7	PGF-4260	1	WIRE, lock
8	PGF-4256	1	SOCKET
9	PGF-13171	1	WASHER
10	PGF-4515	1	RING, snap
11	PGF-7026	1	WIPER
12	PGF-7022	1	FELT
13	PGF-9648-27	1	"O" RING
14	PG-A-2000	1	HEAD
15	PGF-9648-1	2	"O" RING
16	PGF-11078	1	CYLINDER
17	PGF-11077	1	ROD, piston
18	PGF-8227	2	SPREADER, cup
20	PGF-17086	2	CUP
22	PG-A-694	1	PISTON
23	734011	1	NUT, slotted
24	SP-57	1	BASE
25	PGF-11425	1	CAPSCREW
26	PGF-11426	1	PLATE, washer
27	PGF-11423	1	WASHER
28	PGF-19041	1	CAP, ball
29	MGF-1992	4	SHIM, ball cap (.024)
30	PGF-11856	4	SHIM, ball cap (.010)
31	PGF-11427	1	STUD, ball
32	PGF-9944	1	WASHER
33	PGF-11079	4	ROD, tie

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(For Part Numbers,
see next page)

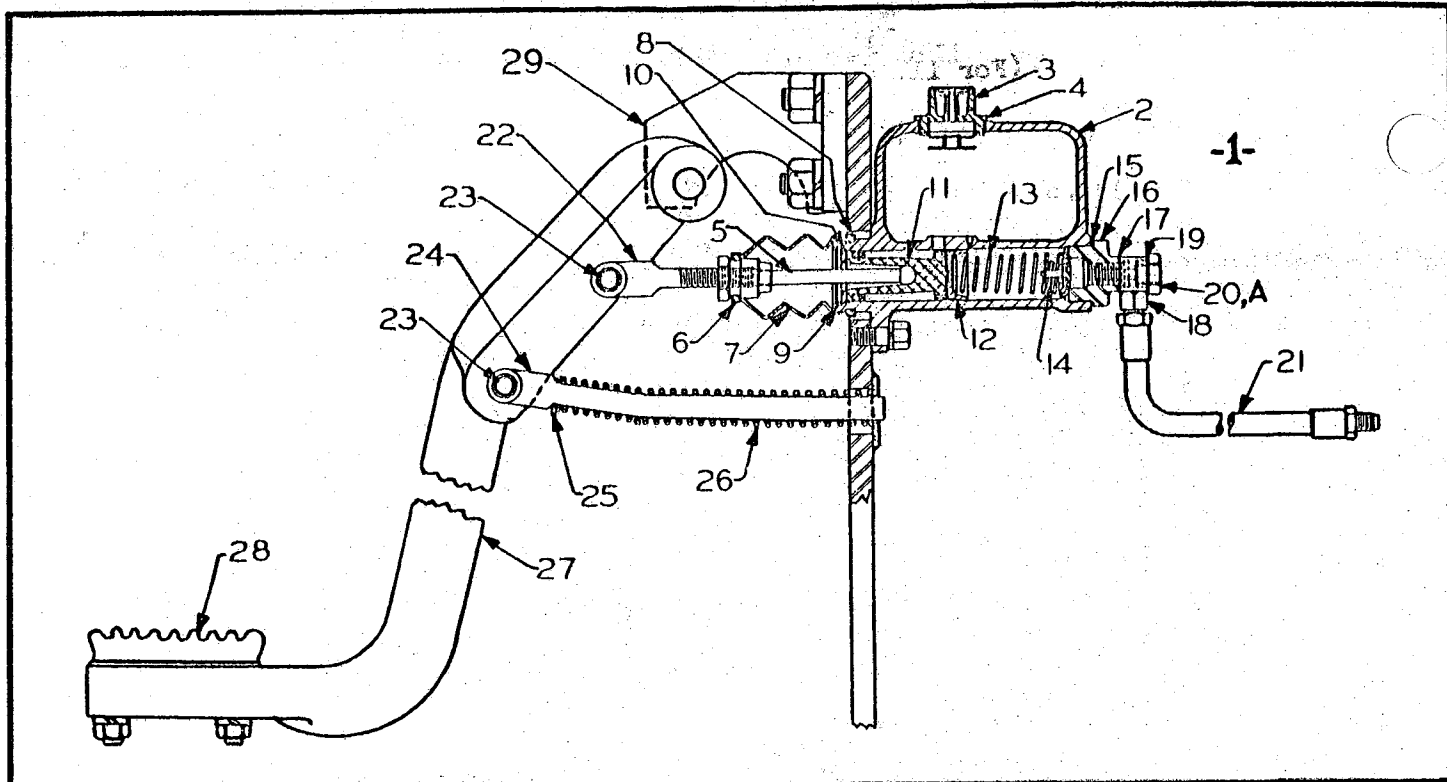
PROPELLER SHAFT BRAKE

PROPELLER SHAFT BRAKE
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-17364	1	BRAKE GROUP (includes Ref. Nos. 2 and 5 to 29 inclusive)
2	PGF-17364-55	1	SHOE AND LINING SET (2 shoes lined. Includes Ref. No. 3)
3	PGF-17364-56	1	LINING SET (2 linings with rivets. Includes Ref. No. 4)
4		50	RIVET, tubular
5	331070	2	LINK, connecting
6	331040	1	SCREW, adjusting
7	331072	1	NUT, adjusting screw pivot
8	331073	1	SOCKET, adjusting screw
9	331030	1	SPRING, adjusting screw
10	331029	4	PIN, spring
12	331021	8	CUP, spring
13	331031	2	SPRING, shoe hold down
14	331026	2	SPRING, shoe hold down
15	331071	1	GUIDE, anchor pin and shoe
16	331069	1	NUT, anchor pin
17	331028	1	WASHER, lock, anchor pin
18	331037	1	SPRING, anchor to shoe
19	331042	1	SPRING, anchor to shoe
20	PGF-10904	1	PIN, shoe and lever
21	PGF-10905	1	WASHER, lever pin
22	331096	1	WASHER, lock, lever pin
23	331103	1	NUT, lever pin
24	331108	1	PIN, cotter
25	331067	1	LEVER
26	PGF-10903	1	SPRING, strut to lever
27	PGF-10901	1	WASHER
28	331099	1	PIN, cotter
29	PGF-10902	1	SPRING, strut
30	ASF-5057	1	STRUT

PROPELLER SHAFT BRAKE CYLINDER

41	PGF-11504	1	DRUM CYLINDER GROUP (includes Ref. Nos. 41A to 41F inclusive)
41A	333133	1	CASTING
41B	333014	2	PISTON
41C	333015	2	CUP
41D	333016	1	SPRING, return
41E	333117	2	BOOT
41F	333146	1	SCREW, cylinder bleeder
42	ASF-5451	1	WASHER
43			HOSE (see Foot Brake Mechanism page)



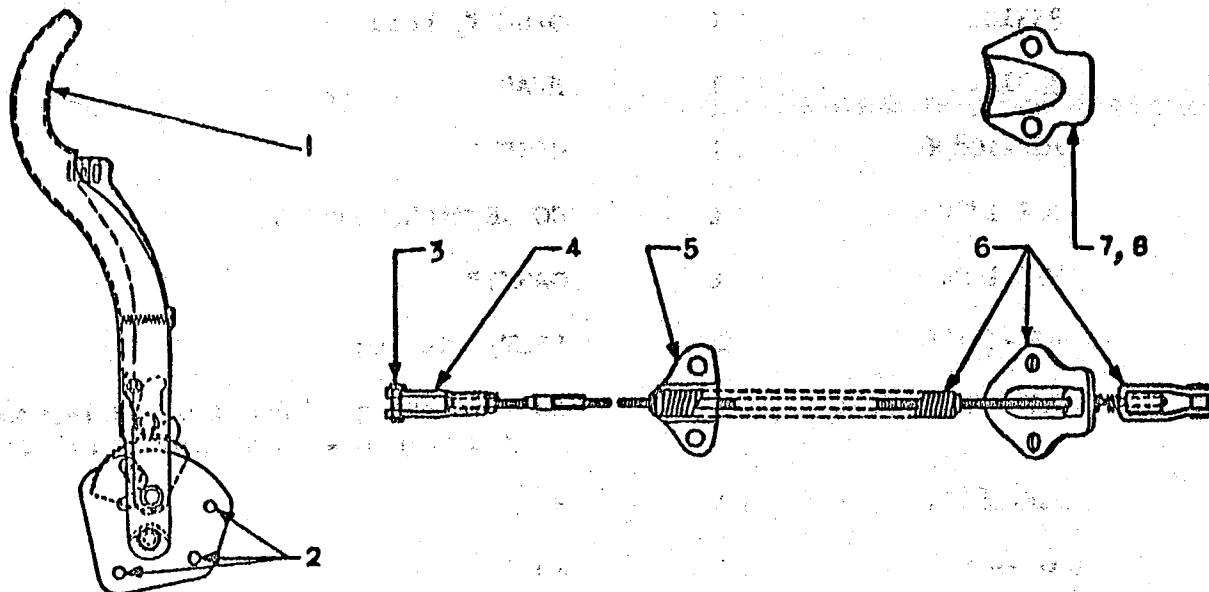
FOOT BRAKE MECHANISM
(Propeller Shaft Brake)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-9485	1	MASTER CYLINDER GROUP (includes Ref. Nos. to 16 inclusive)
2	333131	1	TANK, supply
3	333151	1	PLUG, filler
4	333141	1	GASKET, filler plug
5	333082	1	LINK, piston
6	333032	1	STRAP, boot - small
7	333084	1	BOOT
8	333085	1	STRAP, boot - large
9	333107	1	WIRE, piston stop
10	333108	1	WASHER, piston stop
11	333106	1	PISTON GROUP
12	333072	1	CUP
13	333099	1	SPRING, return
14	333152	1	CHECK VALVE GROUP (dome type)

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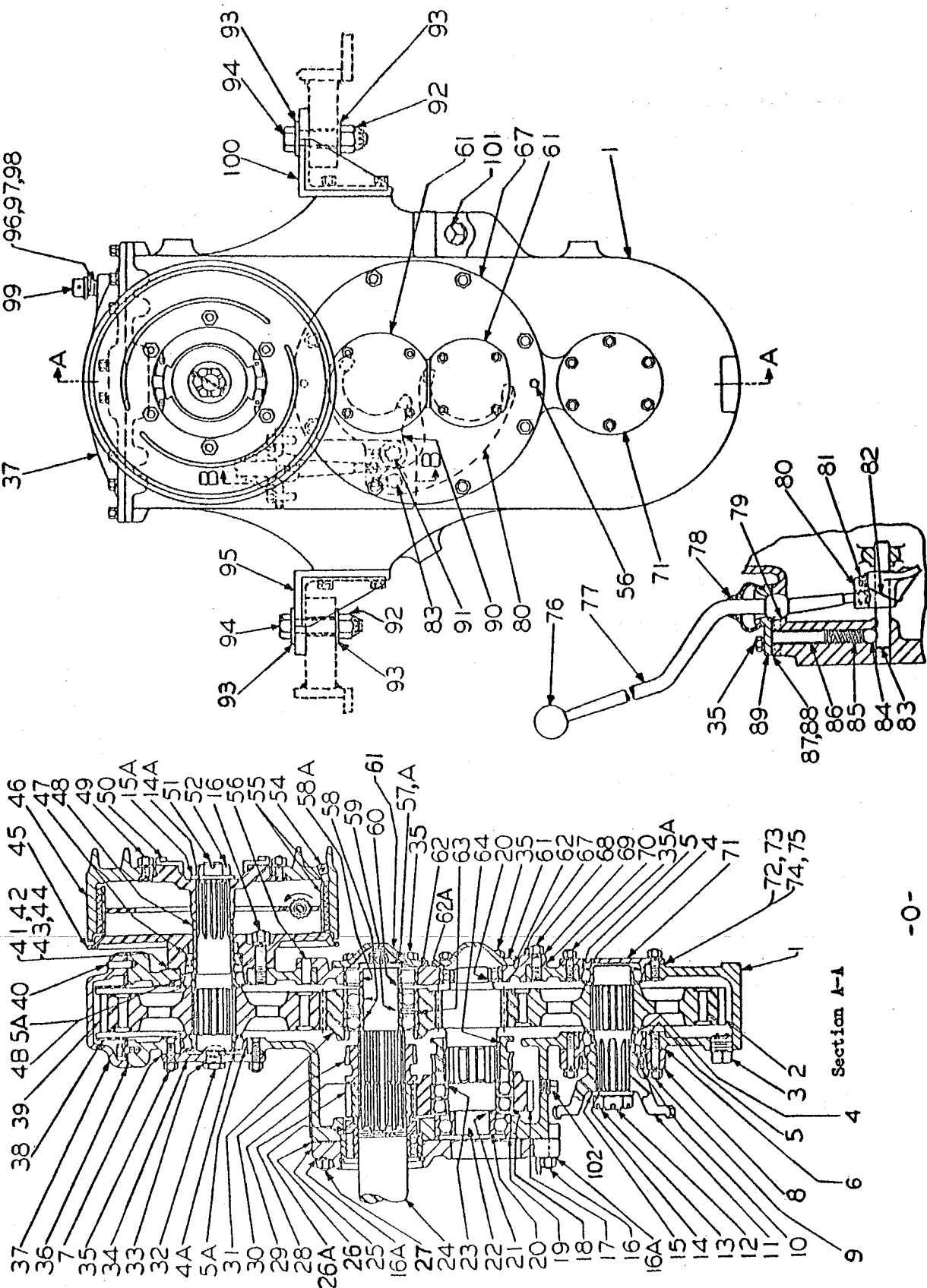
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REF. NO.	PART NO.	QUANTITY	DESCRIPTION
15	333101	1	GASKET, head
16	333111	1	HEAD
17	PGF-10896	1	GASKET
18	PGF-18726	1	CONNECTION, outlet
19	PGF-12248	1	GASKET
20	PGF-14186	1	BOLT, fitting
20A	PGF-12249	1	BOLT, fitting - (Has 1/8" NPT)-(special order for machines with stop and tail lights)
21	PGF-18724	1	HOSE
22	PGF-9766	1	YOKE
23	783005	2	PIN
24	PGF-15386	1	ROD
25	765006	1	WASHER
26	MSF-853	1	SPRING
27	PG-2237	1	LEVER, pedal
28	PG-2181	1	HEAD, pedal
29	PGF-13524	1	SUPPORT, pedal
30	PGF-19008	1	BOLT, pivot



HAND BRAKE MECHANISM
(Propeller Shaft Brake)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-14797	1	HAND BRAKE, complete
2	PGF-5982	3	SPACER
3	HCF-9673	1	PIN, yoke
4	PGF-6791	1	YOKE
5	PGF-8979	1	BRACKET, conduit
6	PGF-8971	1	CABLE AND CONDUIT GROUP
7	ASF-6009	1	CAP, bracket
8	ASF-6008	1	SEAL, bracket cap



(For Part Numbers,
see next page)

Section B-B

TWO SPEED TRANSFER CASE
(On Pacer 100 & 200 - Super 100 & 200)

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TWO SPEED TRANSFER CASE
(On Pacer 100 & 200 - Super 100 & 200)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0		1	TRANSFER CASE GROUP
1	PGP-2319	1	GEAR HOUSING WITH BEARING SUPPORT AND STUDS (includes Ref. 56, 67 and 68)
2	PGF-14773	1	GEAR - 64 teeth
3	PGF-9014	1	PLUG, drain
4	319002	2	CONE AND ROLLERS, bearing
4A	312514	1	CONE AND ROLLERS, bearing
4B	312505	1	CONE AND ROLLERS, bearing
5	313459	2	CUP, bearing
5A	313190	2	CUP, bearing
6	PGF-14457	1	GASKET
7	PGF-13326	1	GASKET
8	PG-2318	1	CAP, bearing
9	HCF-1339	6	STUD
10	ASF-5727	1	SEAL, oil
11			YOKE, fitting (see separate page)
12	PGF-14458	1	SHAFT, driven - lower
13	PGF-15388	1	NUT, slotted
14	PGF-4865	2	GASKET
14A	PGF-8521	2	GASKET
15	PGF-4864	1	WASHER
15A	PGF-8706	1	WASHER
16	PGF-16310	13	STUD
16A	766013	8	WASHER, lock, external teeth
17	PGF-17042	1	GEAR, idler - 28 teeth
18	PGF-14709	1	RING, snap
19	PGF-14459	1	SPACER
20	311367	2	BEARING, ball
21	PGF-17039	1	SPACER, bearing
22	PGF-14714	1	COUNTERSHAFT IDLER GEAR - 19 teeth
23	311429	1	BEARING, ball
24			MAIN SHAFT, transmission
25			CASE, transmission
26			GASKET, transmission case
26A			NUT, bearing retainer
27	PGF-11645	2	STUD
28	PGF-11339	1	PINION, drive - 15 teeth

(see
3-speed
transmission
page)

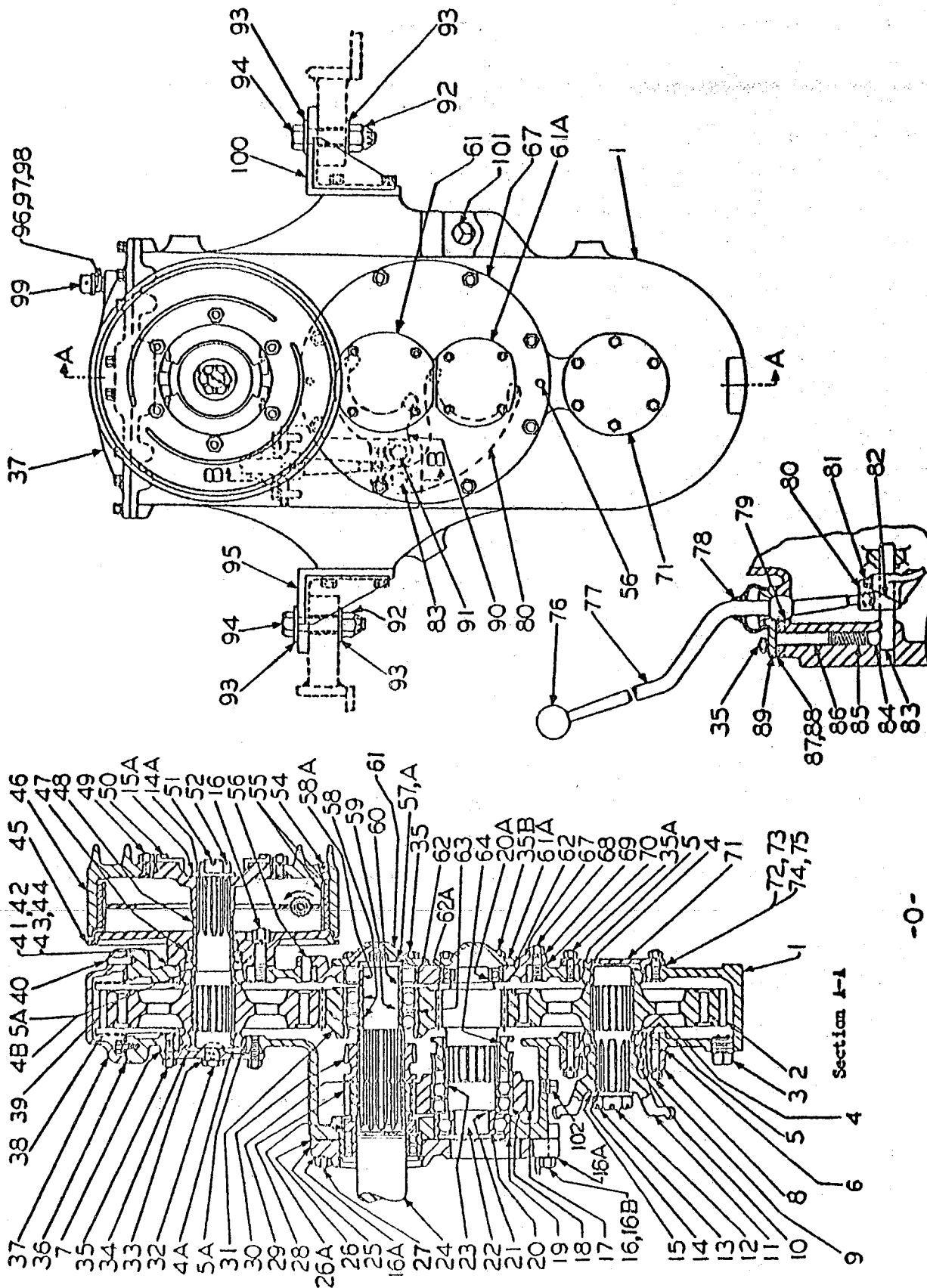
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REF. NO.	PART NO.	QUANTITY	DESCRIPTION
29	PGF-13557	1	RING, snap
30	PGF-8426	1	GEAR, shifter clutch - 21 teeth
31	PGF-15870	1	GEAR, drive - 35 teeth
32	PGF-3849	1	PLUG (not required when odometer is used)
33	PGF-4217	1	GASKET, plug
34	PG-2292	1	CAP, bearing
35	PGF-8433	16	STUD
35A	HCF-1341	6	STUD
36	PGF-10376	1	GASKET, cover
37	PG-1859	1	COVER, gear housing
38	PGF-10425	2	COLLECTOR, oil
39	PGF-14771	1	GEAR - 64 teeth
40	PGF-8815	2	PIN, dowel
41	PGF-13533	As req'd	SHIM (.005)
42	PGF-13532	As req'd	SHIM (.007)
43	PGF-13531	As req'd	SHIM (.020)
44	PGF-13534	2	GASKET
45	PG-1682	1	PLATE, backing
46	PG-2141	1	DRUM, brake
47	PGF-8809	1	SEAL, oil
48	PGF-12593	1	SPACER
49	PGF-8855	6	STUD
50			FLANGE, brake (see separate page)
51	PGF-13149	1	SHAFT, driven - upper
52	PGF-8708	1	NUT, slotted
54	812002	4	PLUG, pipe
55			PROPELLER SHAFT BRAKE GROUP (see separate page)
56	PGF-10589	2	PIN, dowel
57	PGF-16117	1	WASHER, main shaft bearing
57A	911008	1	NUT, huglock (for main shaft)
58	311392	2	BEARING, ball
58A	318546	1	BEARING, roller
59	PGF-14705	1	SPACER, bearing
60	PGF-17170	1	SPACER
61	PG-2454	2	CAP, bearing
62	PGF-14704	2	GASKET
62A	PGF-17041	3	SHIM (.010)
63	PGF-14708	1	RING, snap

(continued)

(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
64	PGF-17043	1	GEAR, shifter clutch - 24 teeth
67	PG-2320	1	SUPPORT, bearing
68	PGF-16347	8	STUD
69	766011	8	WASHER, lock, external teeth
70	PGF-10375	1	GASKET
71	PG-2294	1	CAP, bearing
72	PGF-14715	As req'd	SHIM (.005)
73	PGF-14716	As req'd	SHIM (.007)
74	PGF-14717	As req'd	SHIM (.020)
75	PGF-14718	2	GASKET
76	PGF-7721	1	BALL, shift lever
77	PGF-18325	1	LEVER, shift
78	PGF-9157	1	COVER, dust
79	PGF-18308	1	PIN, lock, shift lever
80	PG-1922	1	FORK, shift - low range
81	PGF-11675	2	SCREW, lock
82	PGF-11756	2	WIRE, locking
83	PGF-15874	1	ROD, shift - low range
84	PGF-8638	2	BALL
85	PGF-16128	2	SPRING
86	PGF-16126	2	SPACER
87	PGF-10843	6	SHIM (.005)
88	PGF-10871	2	GASKET
89	PG-1949	1	SOCKET, shift lever
90	PG-1923	1	FORK, shift - high range
91	PGF-15875	1	ROD, shift - high range
92	914008	2	NUT, huglock
93	762009	4	WASHER
94	742832	2	BOLT, support
95	PGF-10357	1	SUPPORT - R.H.
96	PGU-1741-A	1	BREATHER GROUP (includes Ref. Nos. 97, 98 and 99)
97	PGF-9974	1	TUBE WITH PIN
98	PGF-10037	1	ELEMENT
99	PGF-5166	1	CAP
100	PGF-10018	1	SUPPORT - L.H.
101	810005	1	PLUG, oil level and filler
102	810001	1	PLUG, drain



(For Part Numbers,
see next page)

Section B-B

TWO SPEED TRANSFER CASE
(Machine No. 6362 and up)

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Section A-A

TWO SPEED TRANSFER CASE
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0		1	TRANSFER CASE GROUP
1	FGF-2607	1	GEAR HOUSING WITH BEARING SUPPORT AND STUDS (includes Ref. Nos. 56, 67 and 68)
2	FGF-14773	1	GEAR - 64 teeth
3	FGF-9014	1	PLUG, drain
4	319002	2	CONE AND ROLLERS, bearing
4A	312514	1	CONE AND ROLLERS, bearing
4B	312505	1	CONE AND ROLLERS, bearing
5	313459	2	CUP, bearing
5A	313190	2	CUP, bearing
6	FGF-14457	1	GASKET
7	FGF-13326	1	GASKET
8	FG-2318	1	CAP, bearing
9	741323	6	BOLT
10	ASF-5727	1	SEAL, oil
11			YOKE, fitting (see separate page)
12	FGF-18799	1	SHAFT, driven - lower
13	FGF-15388	1	NUT, slotted
14	HCF-11534	1	GASKET
14A	FGF-8521	2	GASKET
15	FGF-4864	1	WASHER
15A	FGF-8706	1	WASHER
16	FGF-16310	12	STUD
16A	766013	8	WASHER, lock, external teeth
16B	FGF-18807	1	STUD
17	FGF-18803	1	GEAR, idler - 27 teeth
18	FGF-14709	1	RING, snap
19	FGF-14459	1	SPACER
20	311367	1	BEARING, ball
20A	311623	1	BEARING, ball
21	FGF-17039	1	SPACER, bearing
22	FGF-18252	1	COUNTERSHAFT IDLER GEAR - 19 teeth
23	311429	1	BEARING, ball
24			MAIN SHAFT, transmission
25			CASE, transmission
26			GASKET, transmission case
26A			NUT, bearing retainer
27	FGF-11645	2	STUD
28	FGF-18800	1	PINION, drive - 16 teeth

(see
3-speed
transmission
page)

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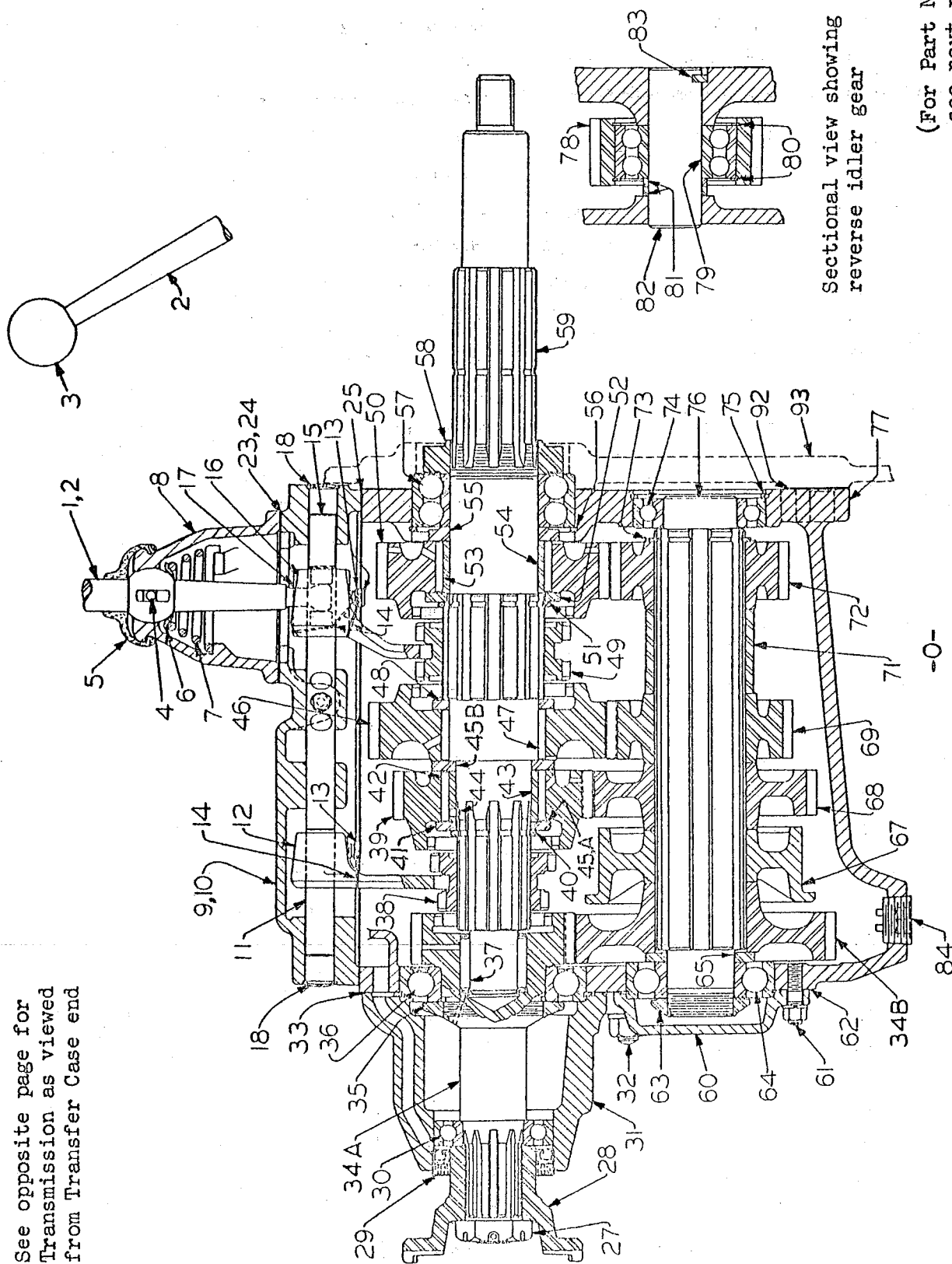
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
29	PGF-13557	1	RING, snap
30	PGF-8426	1	GEAR, shifter clutch - 21 teeth
31	PGF-15870	1	GEAR, drive - 35 teeth
32	PGF-3849	1	PLUG (not required when odometer is used)
33	PGF-4217	1	GASKET, plug
34	PG-2292	1	CAP, bearing
35	PGF-8433	12	STUD
35A	HCF-1341	6	STUD
35B	741319	4	BOLT
36	PGF-10376	1	GASKET, cover
37	PG-1859	1	COVER, gear housing
38	PGF-10425	2	COLLECTOR, oil
39	PGF-14771	1	GEAR - 64 teeth
40	PGF-8815	2	PIN, dowel
41	PGF-13533	As req'd	SHIM (.005)
42	PGF-13532	As req'd	SHIM (.007)
43	PGF-13531	As req'd	SHIM (.020)
44	PGF-13534	2	GASKET
45	PG-1682	1	PLATE, backing
46	PG-2141	1	DRUM, brake
47	PGF-8809	1	SEAL, oil
48	PGF-12593	1	SPACER
49	PGF-8855	6	STUD
50			FLANGE, brake (see separate page)
51	PGF-13149	1	SHAFT, driven - upper
52	PGF-8708	1	NUT, slotted
54	812002	4	PLUG, pipe
55			PROPELLER SHAFT BRAKE GROUP (see separate page)
56	PGF-10589	2	PIN, dowel
57	PGF-16117	1	WASHER, main shaft bearing
57A	911008	1	NUT, huglock (for main shaft)
58	311392	2	BEARING, ball
58A	318546	1	BEARING, roller
59	PGF-14705	1	SPACER, bearing
60	PGF-17170	1	SPACER
61	PG-2454	1	CAP, bearing
61A	PG-2542	1	CAP, bearing
62	PGF-14704	2	GASKET
62A	PGF-17041	3	SHIM (.010)

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(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
63	PGF-14708	1	RING, snap
64	PGF-17043	1	GEAR, shifter clutch - 24 teeth
67	PG-2588	1	SUPPORT, bearing
68	PGF-16347	8	STUD
69	766011	8	WASHER, lock, external teeth
70	PGF-10375	1	GASKET
71	PG-2294	1	CAP, bearing
72	PGF-14715	As req'd	SHIM (.005)
73	PGF-14716	As req'd	SHIM (.007)
74	PGF-14717	As req'd	SHIM (.020)
75	PGF-14718	2	GASKET
76	PGF-7721	1	BALL, shift lever
77	PGF-18325	1	LEVER, shift
78	PGF-9157	1	COVER, dust
79	PGF-18308	1	PIN, lock, shift lever
80	PG-1922	1	FORK, shift - low range
81	PGF-11675	2	SCREW, lock
82	PGF-11756	2	WIRE, locking
83	PGF-15874	1	ROD, shift - low range
84	PGF-8638	2	BALL
85	PGF-16128	2	SPRING
86	PGF-16126	2	SPACER, spring
87	PGF-10843	6	SHIM (.005)
88	PGF-10871	2	GASKET
89	PG-1949	1	SOCKET, shift lever
90	PG-1923	1	FORK, shift - high range
91	PGF-15875	1	ROD, shift - high range
92	914008	2	NUT, huglock
93	762009	4	WASHER
94	742832	2	BOLT, support
95	PGF-10357	1	SUPPORT - R.H.
96	PGU-1741-A	1	BREATHING GROUP (includes Ref. Nos. 97, 98 and 99)
97	PGP-9974	1	TUBE WITH PIN
98	PGF-10037	1	ELEMENT
99	PGF-5166	1	CAP
100	PGF-10018	1	SUPPORT - L.H.
101	810005	1	PLUG, oil level and filler
102	810001	1	PLUG, drain
103	PGU-9301-A	1	GASKET AND SEAL KIT (includes one each of Ref. Nos. 6, 10, 14, 33, 36, 47, 70 PGF-8479 and two each of Ref. Nos. 7, 14A, 44, 62, 75 and 88)

See opposite page for
Transmission as viewed
from Transfer Case end



Sectional view showing
reverse idler gear

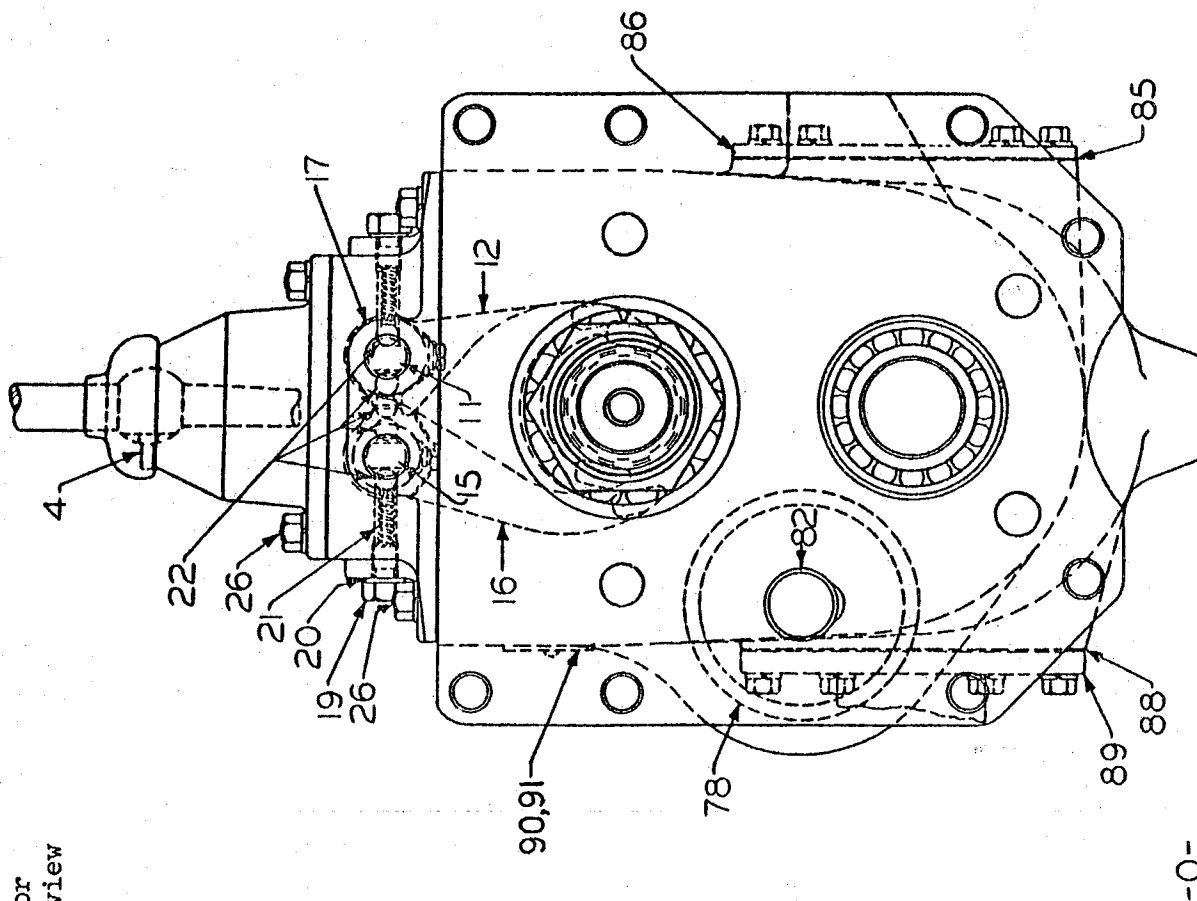
(For Part Numbers,
see next page)

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TRANSMISSION

(On Pacer 100 & 200 - Super 100 & 200)

See opposite page for
cross section side view
of Transmission



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(For Part Numbers,
see next page)

TRANSMISSION
(On Pacer 100 & 200 - Super 100 & 200)

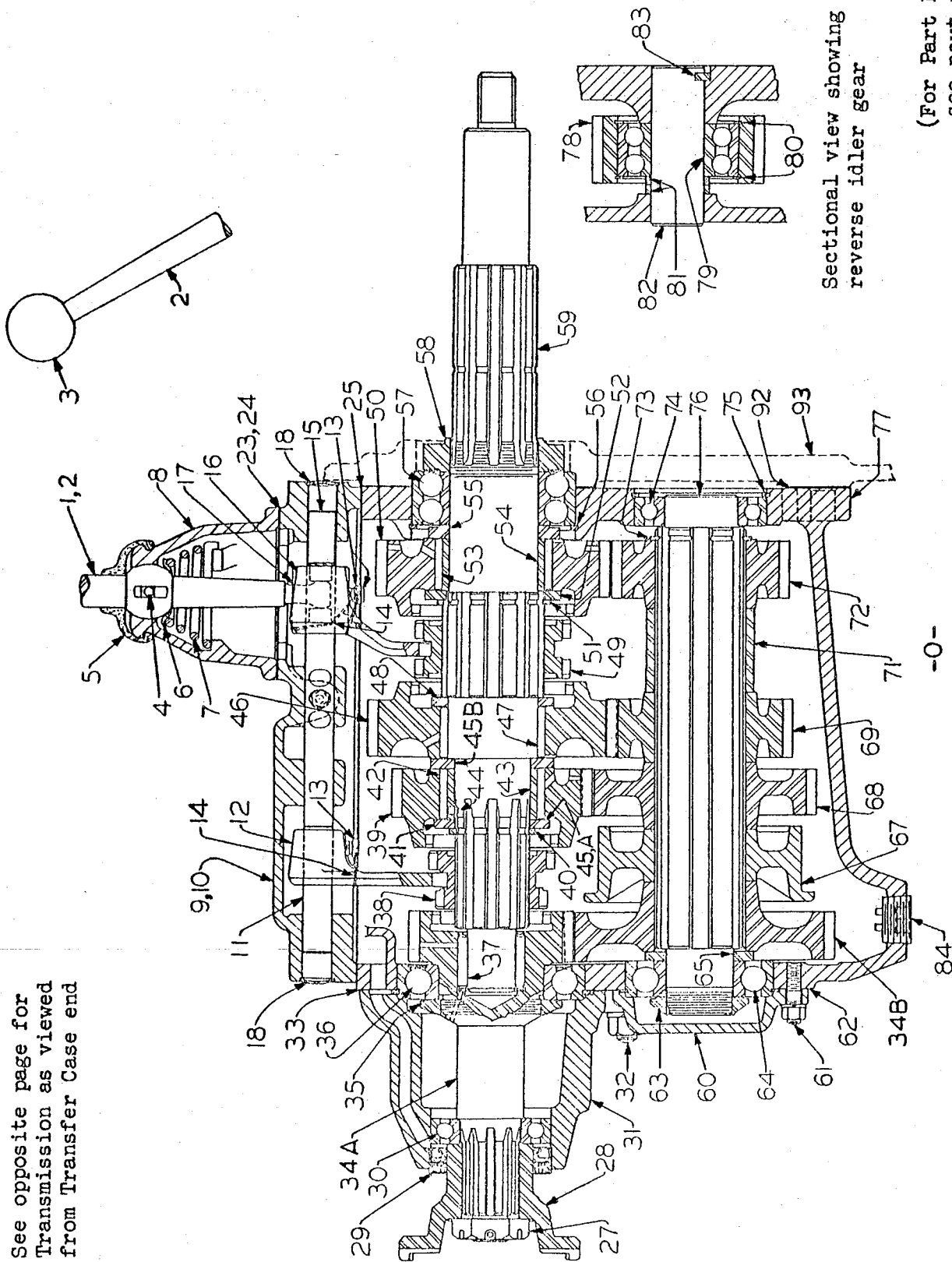
TRANSMISSION
 (On Pacer 100 & 200 - Super 100 & 200)
 (For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8125-B	1	TRANSMISSION, complete (includes Ref. Nos. 9 to 91 inclusive)
1	PGU-8312-A	1	GEAR SHIFT LEVER GROUP (includes Ref. Nos. 2 to 8 inclusive)
2	PGF-16332	1	LEVER, gear shift
3	PGF-7721	1	BALL, gear shift lever
4	PGF-9130	1	PIN, lock, shift lever
5	PGF-9157	1	COVER, dust, shift tower
6	PGF-9122	1	SEAT, shift lever spring
7	PGF-9123	1	SPRING, shift lever
8	PG-2487	1	TOWER, shift
9	PGU-1738-A	1	TRANSMISSION CASE COVER GROUP (includes Ref. Nos. 10 to 22 inclusive)
10	PG-1868	1	COVER
11	PGF-10189	1	ROD (2nd & 3rd shift)
12	PGPA-9127	1	FORK WITH LOCK SCREW (includes one of Ref. No. 13)
13	PGF-11675	3	SCREW, shift fork locking
14	PGF-9738	3	WIRE, shift fork locking screw
15	PGF-10188	1	ROD (1st & reverse shift)
16	PGPA-9126	1	FORK WITH LOCK SCREW (includes one of Ref. No. 13)
17	PGF-9159	1	LUG (2nd & 3rd shift)
18	164032	3	PLUG, expansion
19	PGF-9132	2	CAPSCREW, shift rod lock
20	PGF-5717	2	WASHER, shift rod lock capscREW
21	PGF-9131	2	SPRING, shift rod lock
22	021003	5	BALL, shift rod lock spring
23	PGF-9102	1	GASKET, shift tower
24	PGF-10059	1	GUARD, oil
25	PGF-9112	1	GASKET, transmission cover
26	PGF-8433	12	STUD
27	PGF-9133	1	NUT, slotted
28	PGF-9079-56	1	YOKE, fitting
29	PGF-3216	1	SEAL, oil
30	311167	1	BEARING, ball
31	PG-1739	1	HOUSING, bearing support
32	PGF-9091	6	STUD, housing to case
33	PGF-9125	1	GASKET, bearing housing
34A	PGF-9066	1	PINION (24 teeth)
34B	PGF-9067	1	GEAR (42 teeth)
35	PGF-9082	1	NUT, drive pinion bearing retainer
36	311596	1	BEARING, drive pinion
37	318446	1	BEARING, roller, main shaft
38	PGF-9068	1	GEAR (14 and 16 teeth), shifter, 2nd and 3rd
39	PGF-9070	1	PINION (30 teeth) 2nd speed
40	PGF-9120	1	RING, snap
41	PGF-9063	1	WASHER, retainer
42	PGF-9084	42	ROLLER, 2nd speed pinion
43	PGF-9069	1	SLEEVE, 2nd speed pinion bearing

(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
44	PGF-9116	1	PIN, dowel
45	PGF-14436	1	SHIM, 2nd speed (.005)
45A	PGF-14437	1	SHIM, 2nd speed (.007)
45B	PGF-9115	1	WASHER, thrust
46	PGF-9072	1	GEAR (38 teeth), low
47	PGF-9084	42	ROLLER, low speed gear
48	PGF-9114	1	WASHER, thrust
49	PGF-9074	1	GEAR (20 teeth), shifter, low and reverse
50	PGF-9076	1	GEAR (36 teeth), reverse
51	PGF-9119	1	RING, snap
52	PGF-9062	1	WASHER, thrust
53	PGF-9084	48	ROLLER, reverse gear
54	PGF-9075	1	SLEEVE
55	PGF-9134	1	WASHER, thrust
56	PGF-9158	1	RING, snap
57	311429	1	BEARING, main shaft - front
58	PGF-11405	1	NUT, main shaft
59	PGF-16118	1	MAIN SHAFT
60	PG-1736	1	CAP, countershaft bearing
61	BRF-1894	4	STUD, countershaft bearing cap
62	PGF-9110	1	GASKET
63	PGF-9083	1	NUT, adjusting
64	311368	1	BEARING WITH SNAP RING, countershaft
65	PGF-9118	1	WASHER, thrust
67	PG-1732	1	DRUM, clutch brake
68	PGF-9071	1	GEAR (36 teeth), 2nd speed
69	PGF-9073	1	PINION (28 teeth), low speed
71	PGF-14187	1	SPACER, low speed pinion
72	PGF-9078	1	PINION (27 teeth), reverse
73	PGF-9117	1	RING, snap
74	311322	1	BEARING, countershaft - front
75	ASF-3268	1	RING, snap
76	PGF-9064	1	COUNTERSHAFT
77	PG-1731	1	CASE, transmission
78	PGF-9077	1	GEAR (25 teeth), reverse idler
79	311447	1	BEARING, reverse idler gear
80	PGF-9121	2	RING, snap
81	PGF-9107	2	SPACER
82	PGF-9109	1	SHAFT, reverse idler gear
83	111010	1	KEY, reverse idler gear shaft
84	PGF-10846	1	PLUG, drain
85	PGF-9103	1	GASKET, PTO cover plate
86	PGF-9106	1	PTO COVER PLATE
88	PGF-9864	1	GASKET, clutch brake bracket
89	PGF-8972	1	CLUTCH BRAKE SCREW AND BRACKET
90	PGF-17641	1	PLATE, identification, transmission
91	751020	2	SCREW, drive (for Ref. 90)
92	PGF-8479	1	GASKET, transmission to transfer case
93			CASE, transfer (see separate page)
94	PGU-9275	1	GASKET KIT (includes one each of Ref. Nos. 23, 25, 33, 62, 85 and 88)

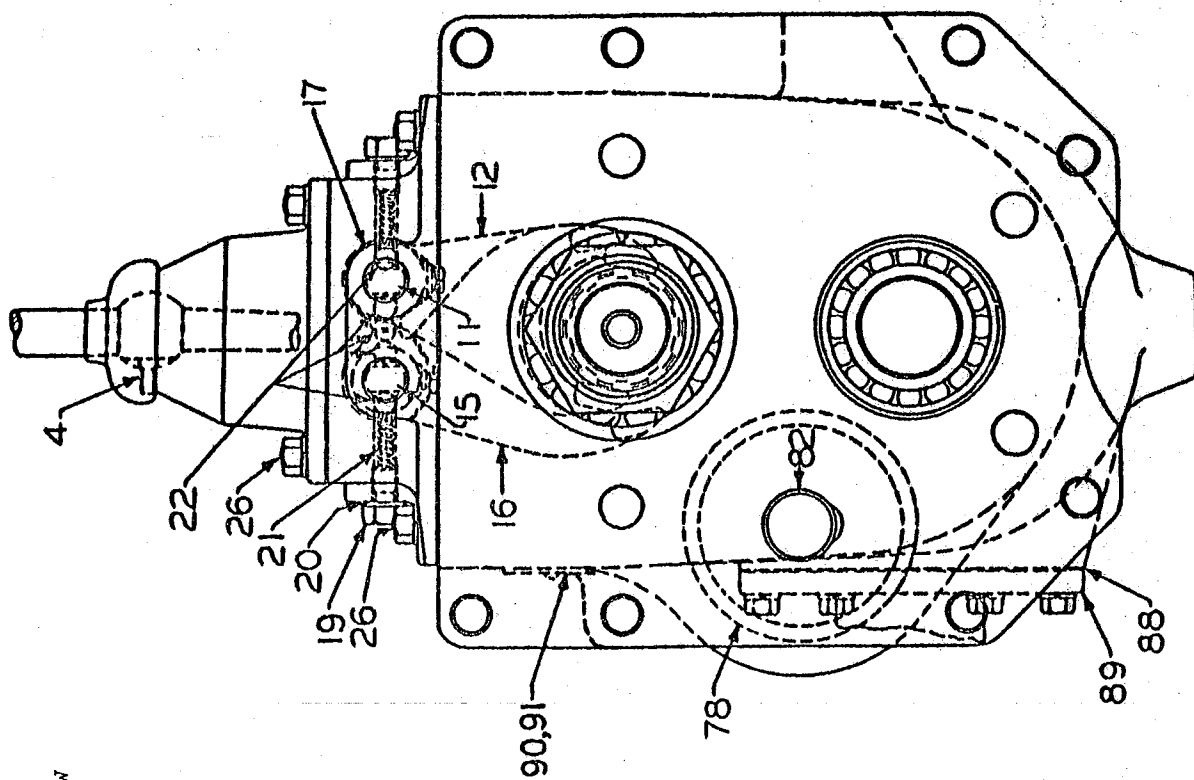
See opposite page for
Transmission as viewed
from Transfer Case end



(For Part Numbers,
see next page)

TRANSMISSION
(Machine No. 6724 and up)

See opposite page for
cross section side view
of Transmission



(For Part Numbers,
see next page)

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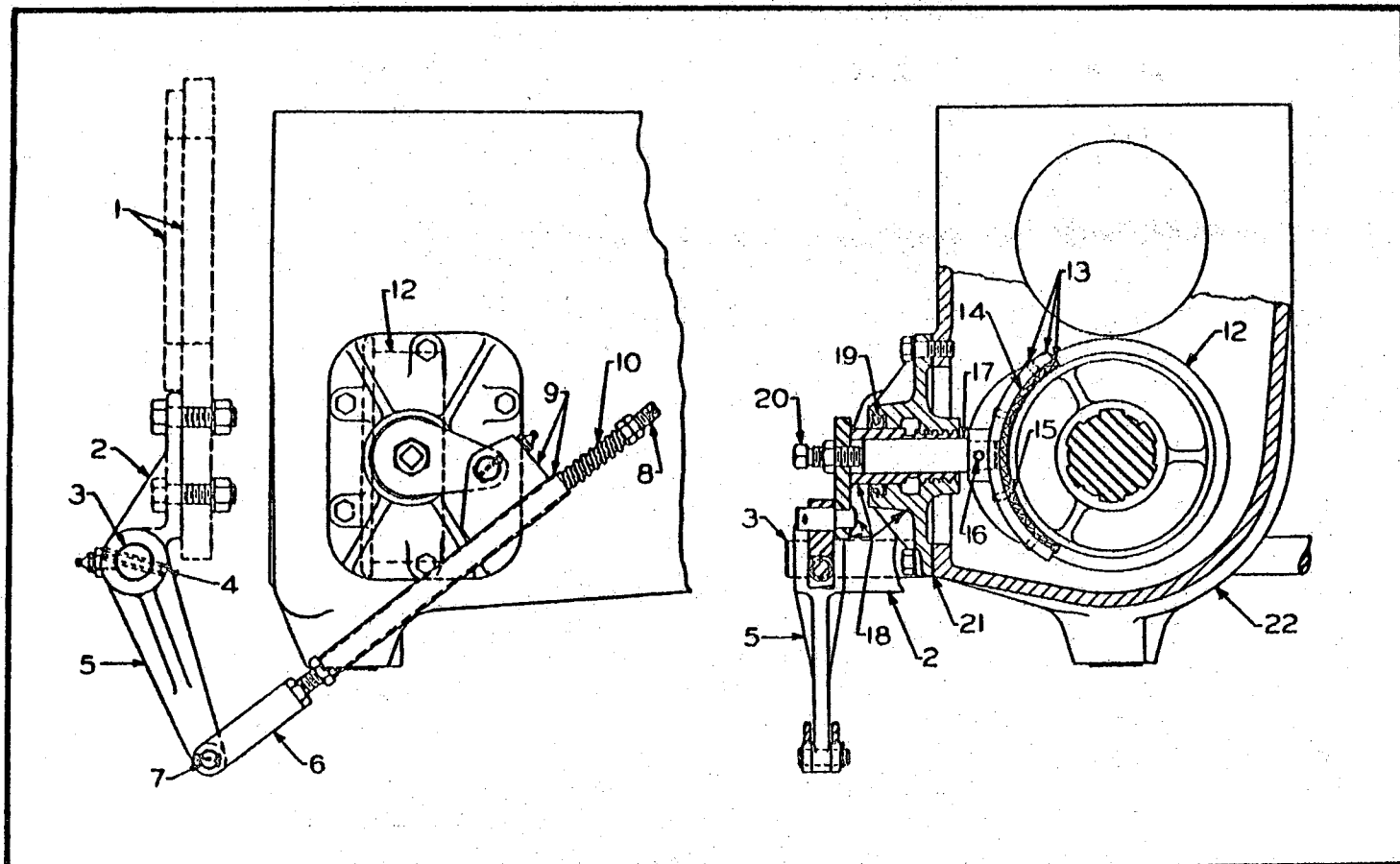
TRANSMISSION

TRANSMISSION
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGF-8175-C	1	TRANSMISSION, complete (includes Ref. Nos. 9 to 91 inclusive)
1	PGU-8312-A	1	GEAR SHIFT LEVER GROUP (includes Ref. Nos. 2 to 8 inclusive)
2	PGF-16332	1	LEVER, gear shift
3	PGF-7721	1	BALL, gear shift lever
4	PGF-9130	1	PIN, lock, shift lever
5	PGF-9157	1	COVER, dust, shift tower
6	PGF-9122	1	SEAT, shift lever spring
7	PGF-9123	1	SPRING, shift lever
8	PG-2487	1	TOWER, shift
9	PGU-1738-A	1	TRANSMISSION CASE COVER GROUP (includes Ref. Nos. 10 to 22 inclusive)
10	PG-1868	1	COVER
11	PGF-10189	1	ROD (2nd & 3rd shift)
12	PGPA-9127	1	FORK WITH LOCK SCREW (includes one of Ref. No. 13)
13	PGF-11675	3	SCREW, shift fork locking
14	PGF-9738	3	WIRE, shift fork locking screw
15	PGF-10188	1	ROD (1st & reverse shift)
16	PGPA-9126	1	FORK WITH LOCK SCREW (includes one of Ref. No. 13)
17	PGF-9159	1	LUG (2nd & 3rd shift)
18	164032	3	PLUG, expansion
19	PGF-9132	2	CAPSCREW, shift rod lock
20	PGF-5717	2	WASHER, shift rod lock capscREW
21	PGF-18849	2	SPRING, shift rod lock
22	021003	5	BALL, shift rod lock spring
23	PGF-9102	1	GASKET, shift tower
24	PGF-10059	1	GUARD, oil
25	PGF-9112	1	GASKET, transmission cover
26	PGF-8433	12	STUD
27	PGF-9133	1	NUT, slotted
28		1	YOKE, fitting (see Prop. page)
29	PGF-3216	1	SEAL, oil
30	311167	1	BEARING, ball
31	PG-1739	1	HOUSING, bearing support
32	PGF-9091	6	STUD, housing to case
33	PGF-9125	1	GASKET, bearing housing
34A	PGF-9066	1	PINION (24 teeth)
34B	PGF-9067	1	GEAR (42 teeth)
35	PGF-9082	1	NUT, drive pinion bearing retainer
36	311596	1	BEARING, drive pinion
37	318446	1	BEARING, roller, main shaft
38	PGF-9068	1	GEAR (14 and 16 teeth), shifter, 2nd and 3rd
39	PGF-9070	1	PINION (30 teeth), 2nd speed
40	PGF-9120	1	RING, snap
41	PGF-9063	1	WASHER, retainer
42	PGF-9084	42	ROLLER, 2nd speed pinion
43	PGF-9069	1	SLEEVE, 2nd speed pinion bearing

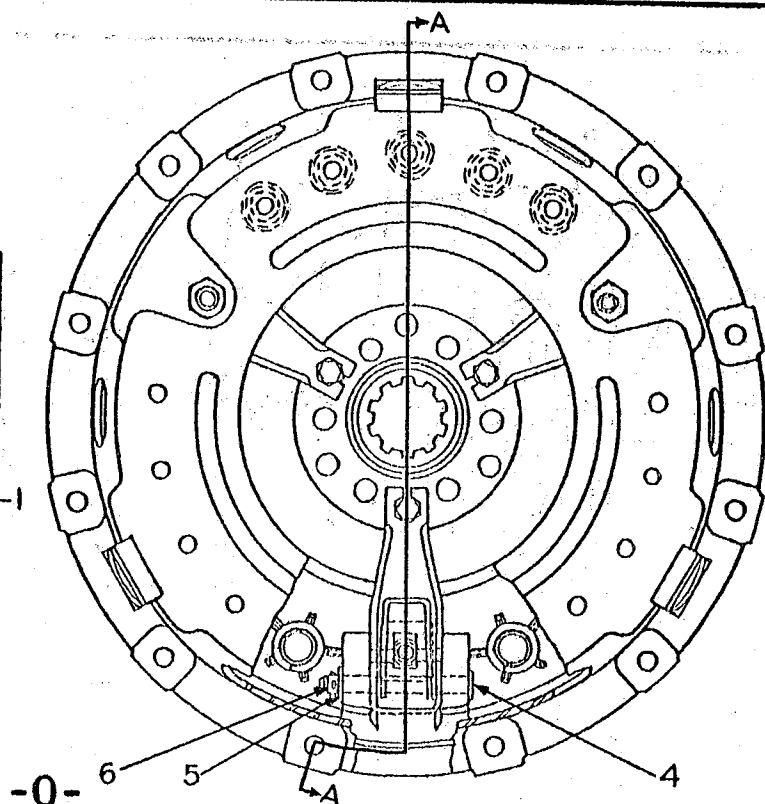
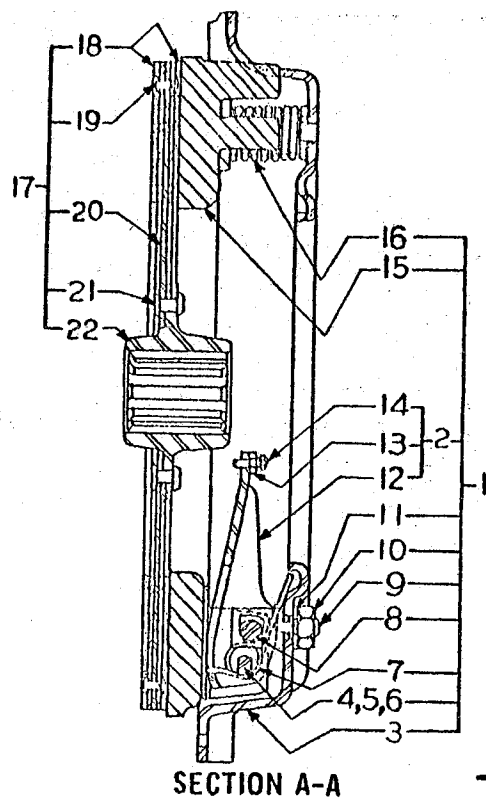
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REF, NO.	PART NO.	QUANTITY	DESCRIPTION
44	PGF-9116	1	PIN, dowel
45	PGF-14436	1	SHIM, 2nd speed (.005)
45A	PGF-14437	1	SHIM, 2nd speed (.007)
45B	PGF-9115	1	WASHER, thrust
46	PGF-9072	1	GEAR (38 teeth), low
47	PGF-9084	42	ROLLER, low speed gear
48	PGF-9114	1	WASHER, thrust
49	PGF-9074	1	GEAR(20 teeth), shifter, low and reverse
50	PGF-18793	1	GEAR (31 teeth), reverse
51	PGF-9119	1	RING, snap
52	PGF-9062	1	WASHER, thrust
53	PGF-9084	48	ROLLER, reverse gear
54	PGF-9075	1	SLEEVE
55	PGF-9134	1	WASHER, thrust
56	PGF-9158	1	RING, snap
57	311429	1	BEARING, main shaft - front
58	PGF-11405	1	NUT, main shaft
59	PGF-16118	1	MAIN SHAFT
60	PG-1736	1	CAP, countershaft bearing
61	BRF-1894	4	STUD, countershaft bearing cap
62	PGF-9110	1	GASKET
63	PGF-9083	1	NUT, adjusting
64	311368	1	BEARING WITH SNAP RING, countershaft
65	PGF-9118	1	WASHER, thrust
67	PG-1732	1	DRUM, clutch brake
68	PGF-9071	1	GEAR, (36 teeth) 2nd speed
69	PGF-9073	1	PINION (28 teeth), low speed
71	PGF-14187	1	SPACER, low speed pinion
72	PGF-18763	1	PINION (32 teeth), reverse
73	PGF-9117	1	RING, snap
74	311322	1	BEARING, countershaft - front
75	ASF-3268	1	RING, snap
76	PGF-9064	1	COUNTERSHAFT
77	PG-2614	1	CASE, transmission
78	PGF-9077	1	GEAR (25 teeth), reverse idler
79	311447	1	BEARING, reverse idler gear
80	PGF-9121	2	RING, snap
81	PGF-18761	2	SPACER
82	PGF-9109	1	SHAFT, reverse idler gear
83	111010	1	KEY, reverse idler gear shaft
84	PGF-10846	1	PLUG, drain
88	PGF-9864	1	GASKET, clutch brake bracket
89	PGF-8972	1	CLUTCH BRAKE SCREW AND BRACKET
90	PGF-17641	1	PLATE, identification, transmission
91	751020	2	SCREW, drive (for Ref. 90)
92	PGF-8479	1	GASKET, transmission to transfer case
93			CASE, transfer (see separate page)
94	PGU-9275	1	GASKET KIT (includes one each of Ref. Nos. 23, 25, 33, 62, and 88)



CLUTCH BRAKE

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1			SUPPORT, transmission (see separate page)
2	PG-1848	1	HANGER, cross rod
3	PGF-10069	1	ROD, cross
4	PGF-9264	1	PIN, cross rod
5	PG-1768	1	LEVER
6	782005	1	YOKE
7	783005	1	PIN, yoke
8	PGF-10070	1	ROD, pull
9	PGF-10071	1	TUBE
10	PGF-7610	1	SPRING
12			DRUM, brake (see transmission page)
13	PGX-1414	1	SHOE WITH LINING AND RIVETS (includes Ref. Nos. 14 and 15)
14	PGF-7590	1	LINING
15	713128	6	RIVET, tubular
16	BDF-345	1	PIN
17	PGF-8828	1	SHAFT
18	PGF-8972	1	SCREW AND BRACKET ASSEMBLY
19	PGF-8857	1	SEAL, oil
20	755095	1	SETSCREW, cup point
21	PGF-9864	1	GASKET
22			TRANSMISSION (see separate page)

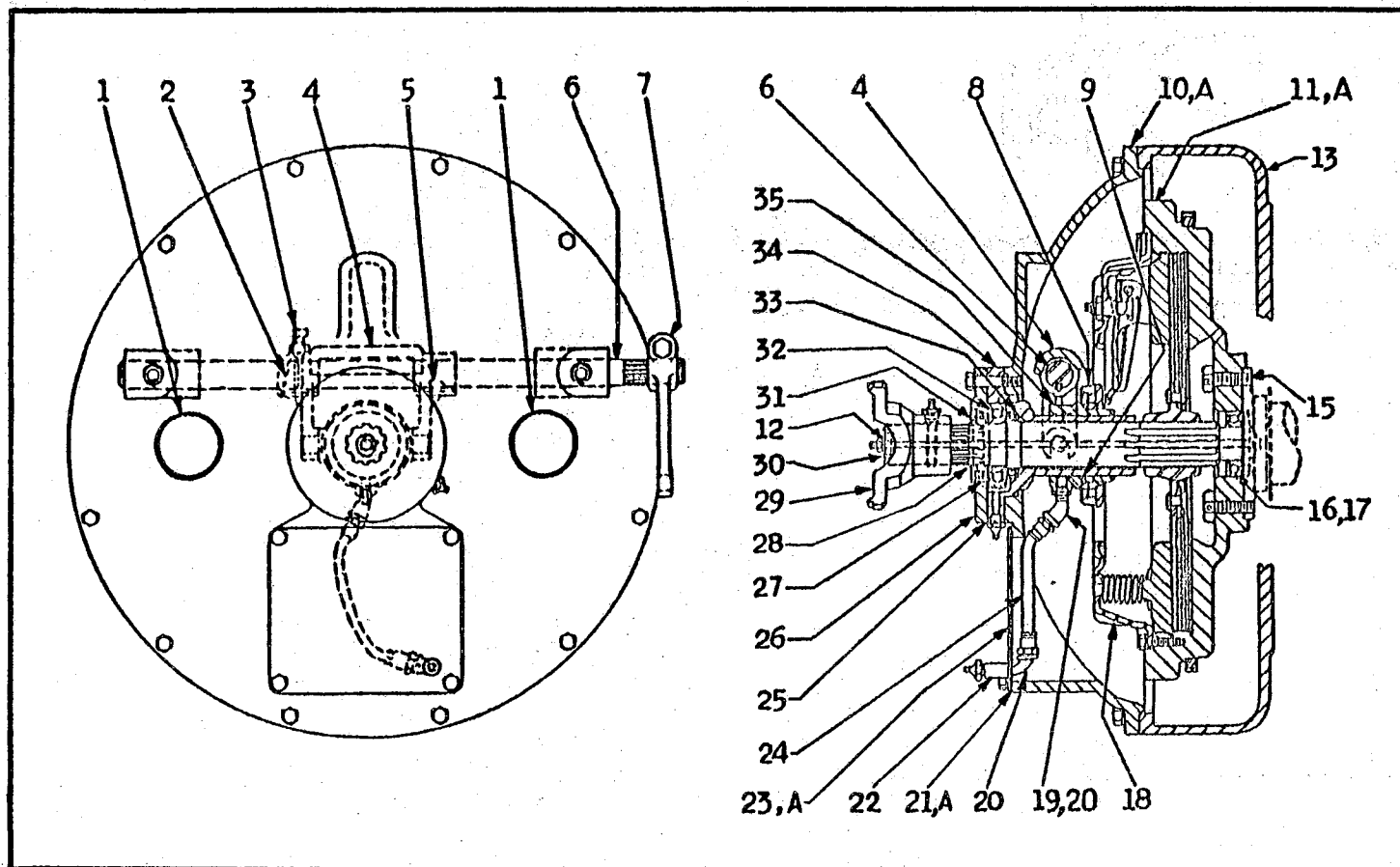


CLUTCH

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGF-16712	1	CLUTCH GROUP, complete
1	382355	1	COVER GROUP (includes Ref. 3 to 16 inclusive)
2	382363	3	LEVER GROUP (includes Ref. 12, 13 and 14)
3	382357	1	PLATE, back
4	382359	3	PIN, lever
5	382361	3	WASHER, plain
6	382057	3	PIN, cotter
7	382349	3	SPRING, lever
8	382362	3	PIN, lever point
9	382360	3	BLOCK, lever point
10	382350	3	NUT, jam
11	382347	3	WASHER, lock, external teeth
12		3	* LEVER
13	382024	3	NUT, jam
14	382364	3	SCREW, lever adjusting
15	382358	1	PLATE, pressure
16	382002	15	SPRING, pressure
17	382354	1	DRIVEN MEMBER GROUP (includes Ref. Nos. 18 to 22 inclusive)
18	382365	2	FACING
19	382366	36	RIVET, tubular
20		1	% PLATE
21		12	% RIVET
22		1	% CENTER

Note: * Indicates parts not sold separately. Order Ref. No. 2.
 % Indicates parts not sold separately. Order Ref. No. 17.

When replacing Ref. 2, part No. 382363 Lever group, we recommend installing a complete set of three lever groups.



CLUTCH AND SHAFT ASSEMBLY
(Dry Clutch or Torque Converter Drive)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	BTF-872	2	* BREATHER
2	PGF-9738	1	WIRE, locking
3	PGF-9269	1	SCREW, clutch yoke lock
4	PG-2015	1	YOKE, clutch throw-out
5	111010	1	KEY, throw-out yoke
6	HCF-2823	1	SHAFT, clutch yoke
7	PGF-8978	1	LEVER, clutch release
8	PGF-11576	1	BEARING, clutch throw-out
9	PGF-11577	1	PIN, clutch throw-out bearing
10	PG-2277	1	% BELL HOUSING, clutch (GMC engine)
10A	PG-2344	1	* BELL HOUSING, clutch

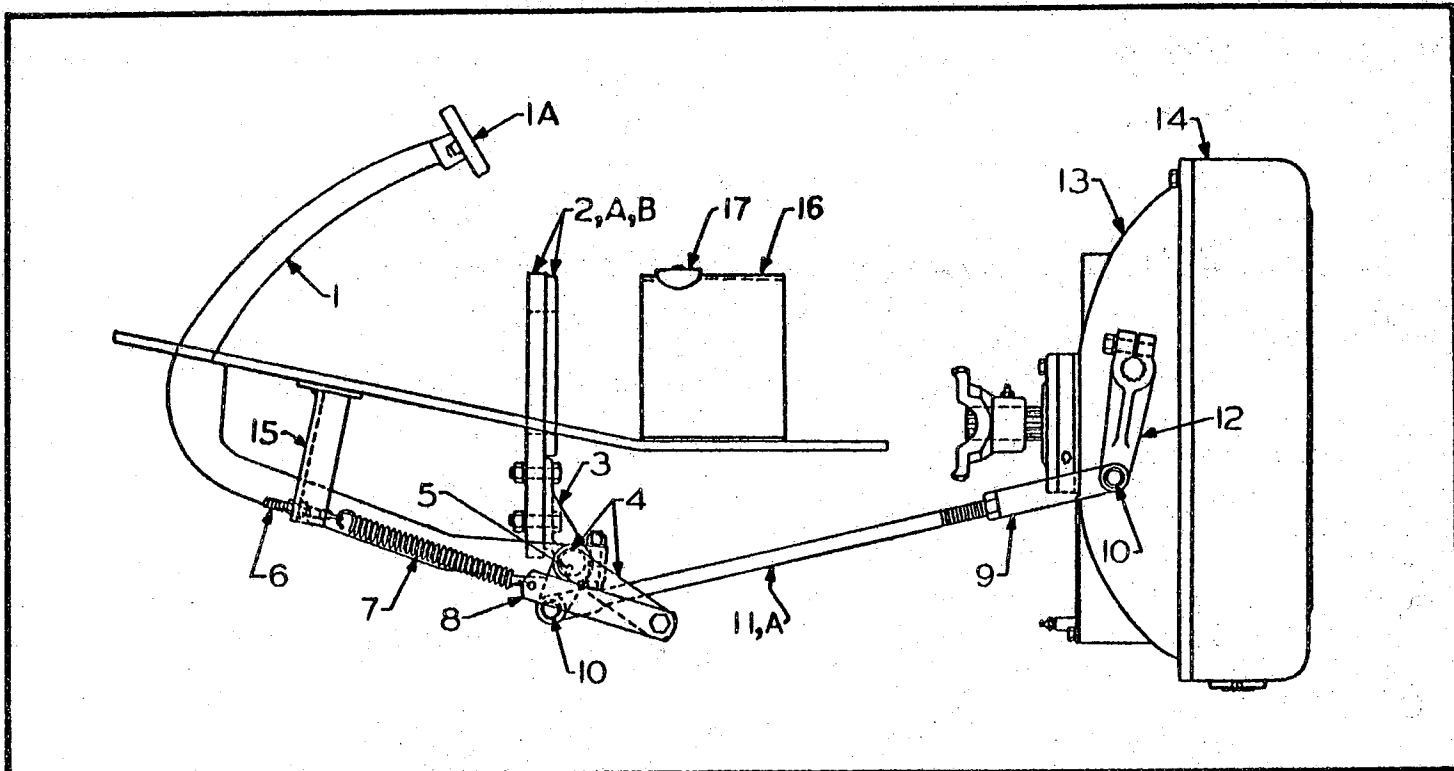
Note: * For machines with dry clutch drive.
% For machines with torque converter drive.

(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
11	PG-2274	1	% FLYWHEEL, torque converter (GMC engine)
11A			* FLYWHEEL (see engine parts book)
12	PGF-15787	1	NIPPLE, extension
13			HOUSING (see engine parts book)
15	HCF-3581	6	% BOLT, torque converter flywheel (GMC engine)
16	311158	1	BEARING, pilot (GMC engine)
17	311243	1	BEARING, pilot (Cummins engine)
18			CLUTCH (see separate page)
19	564001	1	* ELBOW, street, 45°
20	565001	1	ELBOW, street, 90° (2 req'd on GMC with converter)
21	HCF-1968	1	% GASKET, inspection plate (GMC engine)
21A	PGF-8763	1	* GASKET, inspection plate
22	525001	1	COUPLING
23	HCF-1969	1	% PLATE, inspection (GMC engine)
23A	PGF-10915	1	* PLATE, inspection
24	PGF-17580	1	HOSE, grease
25	PGF-8766	1	GASKET
26	PG-2016	1	CAP
27	PGF-11192	1	SEAL, oil
28	PGF-10452	1	RING, snap
29			YOKE, fitting (see separate page)
30	HCF-1923	1	SHAFT, clutch
31	PGF-11178	1	SPACER
32	311167	1	BEARING, ball
33	194262	1	SEAL, oil
34	PG-2017	1	SLEEVE, bearing carrier
35	PG-2020	1	CARRIER, bearing

Note: * For machines with dry clutch drive.

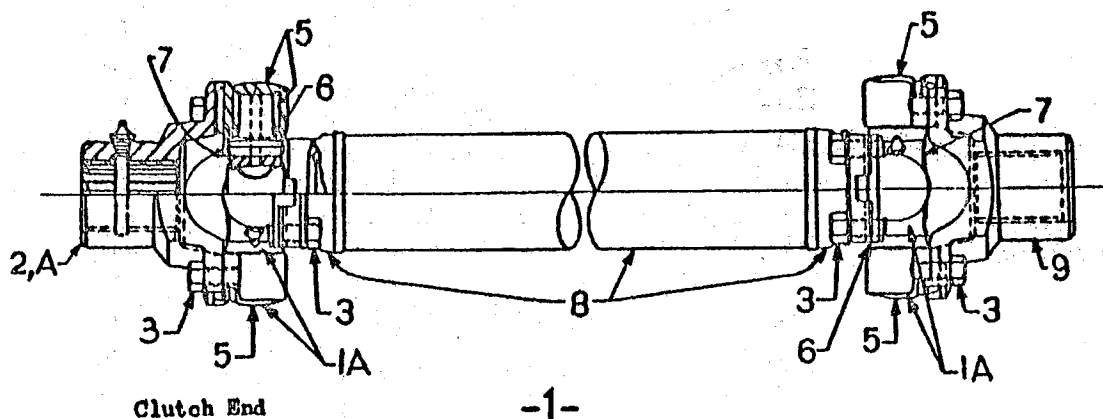
% For machines with torque converter drive.



CLUTCH OPERATING MECHANISM

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PG-2477	1	PEDAL, clutch
1A	PG-2476	1	HEAD, clutch pedal
2	PGF-13560	1	SUPPORT, transmission
2A	PGF-19003	1	ANGLE, transmission support - R.H. (not illustrated)
2B	PGF-19004	1	ANGLE, transmission support - L.H. (not illustrated)
3	PG-1848	1	HANGER, cross rod
4			ROD, cross (see separate page)
5	111012	1	KEY, Woodruff, clutch pedal
6	PGF-7737	1	EYEBOLT, clutch spring
7	MGF-2703	1	SPRING, clutch pedal return
8	PGF-8977	1	LINK, clutch spring
9	782010	1	YOKE
10	783007	2	PIN, yoke
11	PGF-14834	1	@% ROD
11A	PGF-6953	1	* ROD
12			LEVER } (see separate
13			HOUSING } page)
14			HOUSING (see engine parts book)
15	PGF-13589	1	SUPPORT, eyebolt
16	PGF-13587	1	SHIELD, propeller shaft
17	PGF-11612	1	COVER, propeller shaft shield

Note: @ For Cummins engine.
 % For GMC engine with dry clutch.
 * For GMC engine with torque converter.



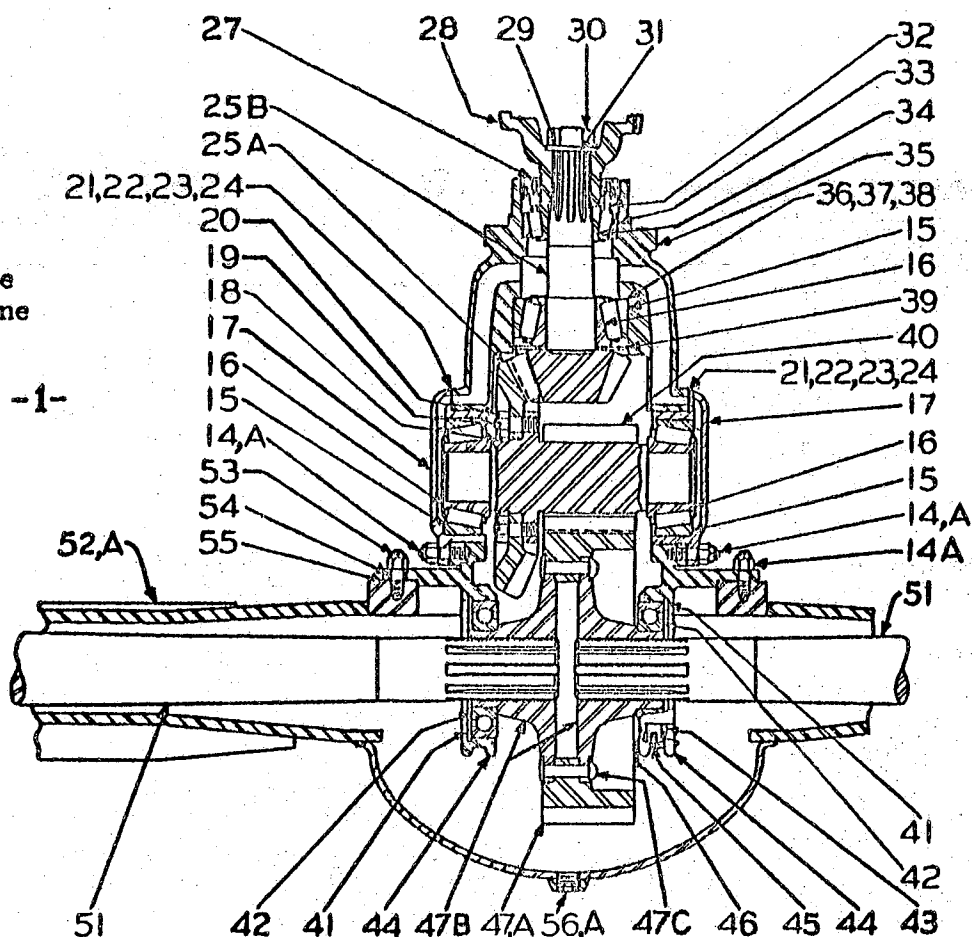
PROPELLER SHAFT - ENGINE TO TRANSMISSION

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-10782	1	* PROPELLER SHAFT, complete
1	PGF-14845	1	@ PROPELLER SHAFT, complete
1	PGF-16715	1	% PROPELLER SHAFT, complete
1A	465076	2	SPIDER AND BEARING GROUP (includes Ref. Nos. 5, 6 and 7 assembled)
2	465143	1	%* YOKE, fitting
2A	HCF-1924-56	1	@ YOKE, fitting
3	TF-1592-59	16	CAPSCREW
5		8	BEARING GROUP (not sold separately. Order Ref. No. 1A)
6	465145	8	WASHER, cork
7		2	SPIDER GROUP (not sold separately. Order Ref. No. 1A)
8	465074	1	* TUBE AND YOKE GROUP
8	465228	1	@ TUBE AND YOKE GROUP
8	465285	1	% TUBE AND YOKE GROUP
9	PGF-9079-56	1	YOKE, fitting

Note: * For GMC engine on 146, 166, 246 and 266 graders.
 @ For GMC engine on 145, 165, 245 and 265 graders.
 % For Cummins engine on 145, 165, 245 and 265 graders.

Left Side
of Machine

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REAR AXLE GEAR CARRIER

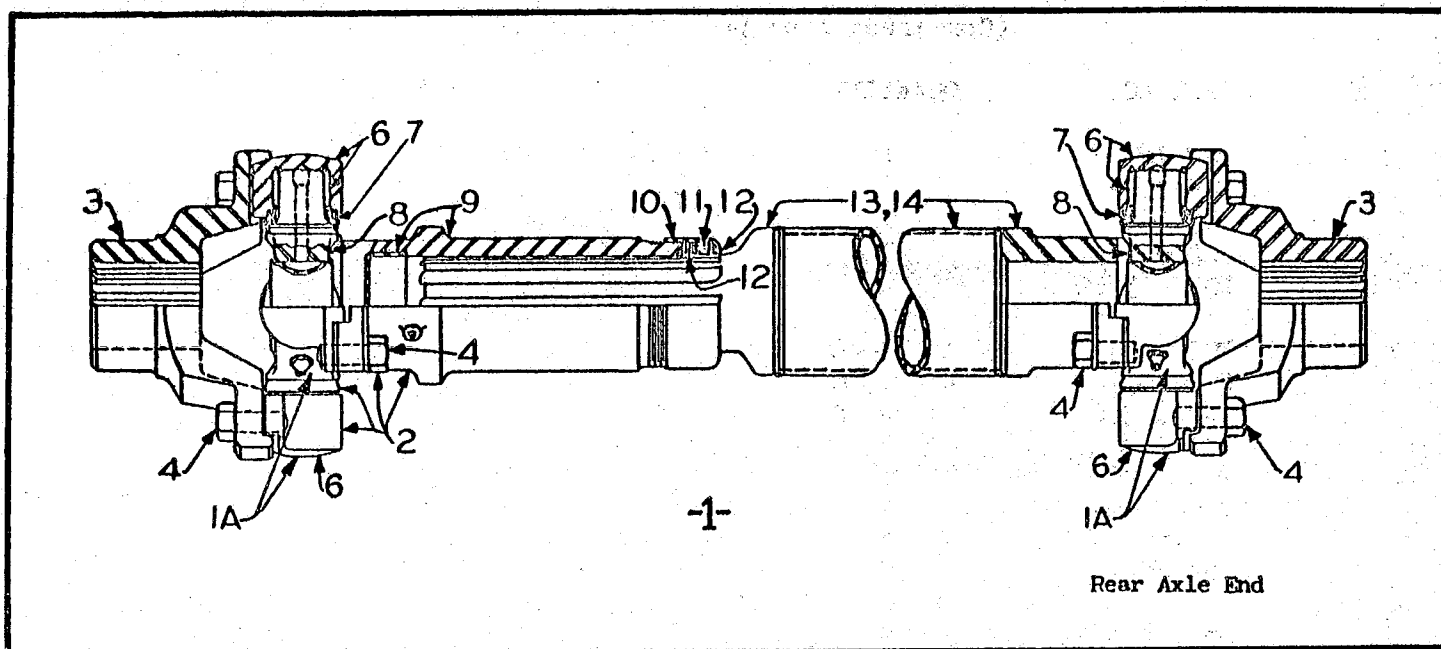
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGU-8356-A	1	REAR AXLE GEAR CARRIER GROUP (includes Ref. Nos. 14 to 48 inclusive)
14	PGF-15052	12	STUD
14A	914005	25	NUT, huglock
15	313208	3	CUP, bearing
16	312547	3	CONE AND ROLLERS, bearing
17	PGF-15068	2	CAP WITH CUP, bearing (includes 1 of Ref. 15)
18	PGF-9436	1	WIRE, lock
19	PGF-15097	9	STUD, bevel gear
20	927008	9	NUT, slotted
21	PGF-15379	4	GASKET
22	PGF-10401	As req'd	SHIM (.005)
23	PGF-10403	As req'd	SHIM (.007)
24	PGF-10402	As req'd	SHIM (.020)
25A	PGF-17034	1	* GEAR, spiral bevel
25B	PGF-17034	1	* PINION, spiral bevel
27	PGF-5240	1	SEAL, oil
28	PGF-18670	1	YOKE, fitting
29	PGF-15446	1	WASHER
30	PGF-15449	1	NUT, slotted

Note: * Bevel gear and bevel pinion sold in matched sets only.

(Continued from preceding page)

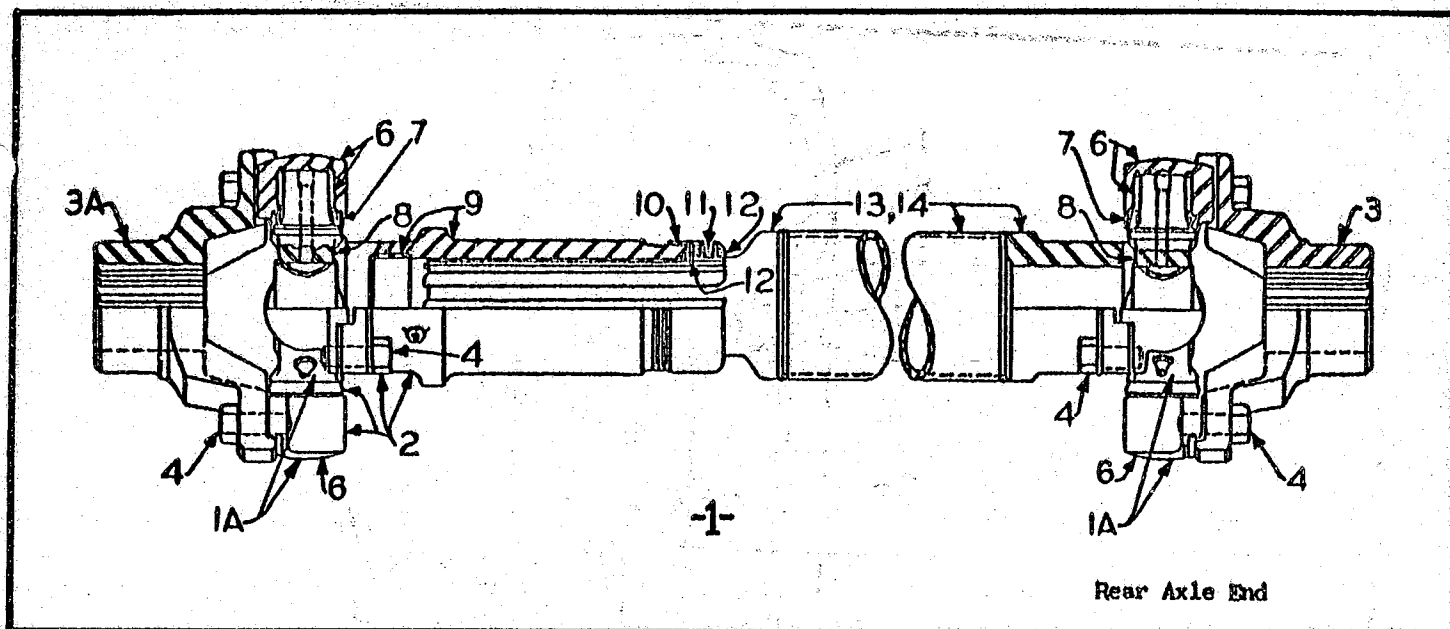
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
31	PGF-18707	1	GASKET, washer
32	PGF-4852	1	WASHER, spline shaft
33	313462	1	CUP, bearing
34	312852	1	CONE AND ROLLERS, bearing
35	PGFS-15409	1	CARRIER, gear (includes Ref. Nos. 14, 14A, 43, 44, 45, and 46)
36	PGF-10319	As req'd	SHIM (.005)
37	PGF-10321	As req'd	SHIM (.007)
38	PGF-10320	As req'd	SHIM (.020)
39	PGF-9996	1	RETAINER, oil
40	PGF-18261	1	PINION AND GEAR HUB
41	PGF-10003	2	WASHER
42	311338	2	BEARING, ball
43	927007	4	NUT, slotted
44		2	% CAP, bearing
45	PGF-3087	4	STUD
46	PGF-9486	2	WIRE, lock
47	PGF-18258	1	GEAR AND HUB ASSEMBLY (includes Ref. Nos. 47A, 47B and 47C)
47A	PGF-18257	1	BULL GEAR
47B	PGF-11104-55	1	HUB SET (2 pcs.)
47C	PGF-8369	16	RIVET
48	HCF-6418	1	PLUG, gear carrier vent - top (not shown)
51			SHAFT, drive (see separate page)
52	PGP-2497	1	HOUSING, rear axle (includes Ref. Nos. 14A and 53)-(for Pacer graders)
52A			HOUSING, rear axle (see separate page - for Super graders)
53	BTF-890	13	STUD
54	PGF-3084	1	BUSHING, taper
55	PGFB-10012	1	GASKET
56	812004	1	PLUG, drain, countersunk head (for Super graders)
56A	812006	1	PLUG, drain, countersunk head (for Pacer graders)
57	PGF-18973	1	PLUG, oil level (in axle housing-not shown) (for Super graders)
57A	PGF-18969-7	1	WASHER, nylon (for Ref. 57)
57B	810005	1	PLUG, filler and oil level (in axle housing-not shown)-(for Pacer graders)

Note: % Bearing caps not sold separately. Order Ref. 35, PGFS-15409, gear carrier.



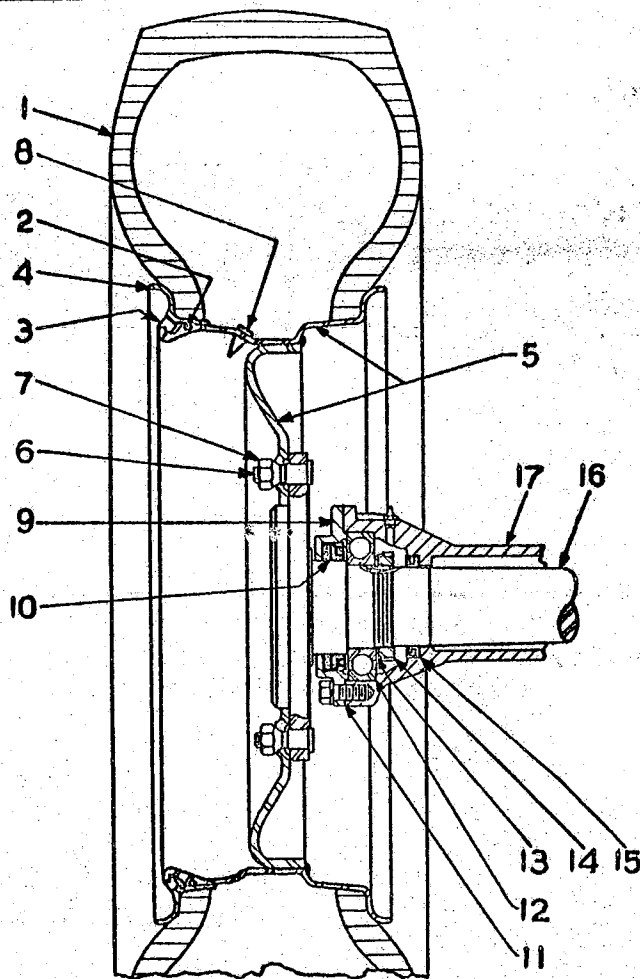
REAR PROPELLER SHAFT
(From Transfer Case to Rear Axle Gear Carrier)
(Superseded)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-13329	1	PROPELLER SHAFT, complete
1A	PGF-8807-57	2	SPIDER AND BEARING GROUP (includes Ref. Nos. 6, 7 and 8 assembled)
2	465126	1	JOINT GROUP (includes Ref. Nos. 4 to 12 inclusive)
3	PGF-8537-58	2	YOKE, fitting
4	PGF-9717-55	16	CAPSCREW
6		8	BEARING GROUP (not sold separately. Order Ref. No. 1A)
7	465149	8	WASHER, cork
8		2	SPIDER GROUP (not sold separately. Order Ref. No. 1A)
9	465118	1	SLIP YOKE, with dust cup
10	465013	1	RETAINER, felt
11	465005	1	FELT
12	465014	2	WASHER, felt retainer
13	465231	1	PROPELLER TUBE AND JOINT GROUP (includes Ref. Nos. 4, 6, 7, 8, and 14)
14	465230	1	PROPELLER TUBE GROUP



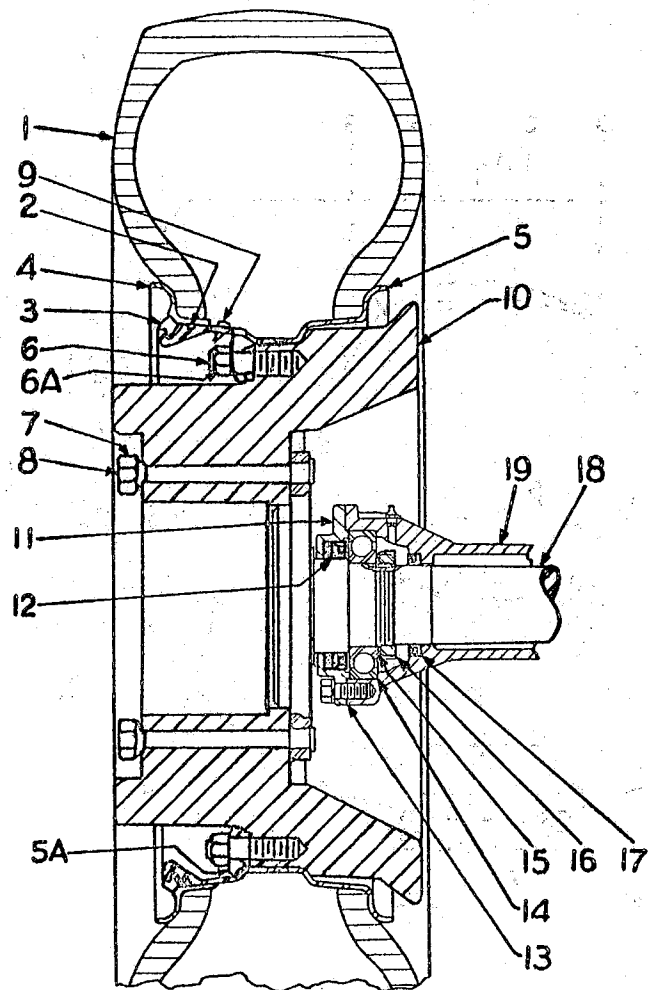
REAR PROPELLER SHAFT
(From Transfer Case to Rear Axle Gear Carrier)
(Machine # R-100-5476 and up)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	FGF-18311	1	PROPELLER SHAFT, complete
1A	FGF-8807-57	2	SPIDER AND BEARING GROUP (includes Ref. Nos. 6, 7 and 8 assembled)
2	465126	1	JOINT GROUP (includes Ref. Nos. 4 to 12 inclusive)
3	FGF-18670	1	YOKE, fitting
3A	FGF-18796	1	YOKE, fitting
4	FGF-9717-55	16	CAPSCREW
6		8	BEARING GROUP (not sold separately. Order Ref. No. 1A)
7	465149	8	WASHER, cork
8		2	SPIDER GROUP (not sold separately. Order Ref. No. 1A)
9	465118	1	SLIP YOKE, with dust cup
10	465013	1	RETAINER, felt
11	465005	1	FELT
12	465014	2	WASHER, felt retainer
13	465231	1	PROPELLER TUBE AND JOINT GROUP (includes Ref. Nos. 4, 6, 7, 8 and 14)
14	465230	1	PROPELLER TUBE GROUP



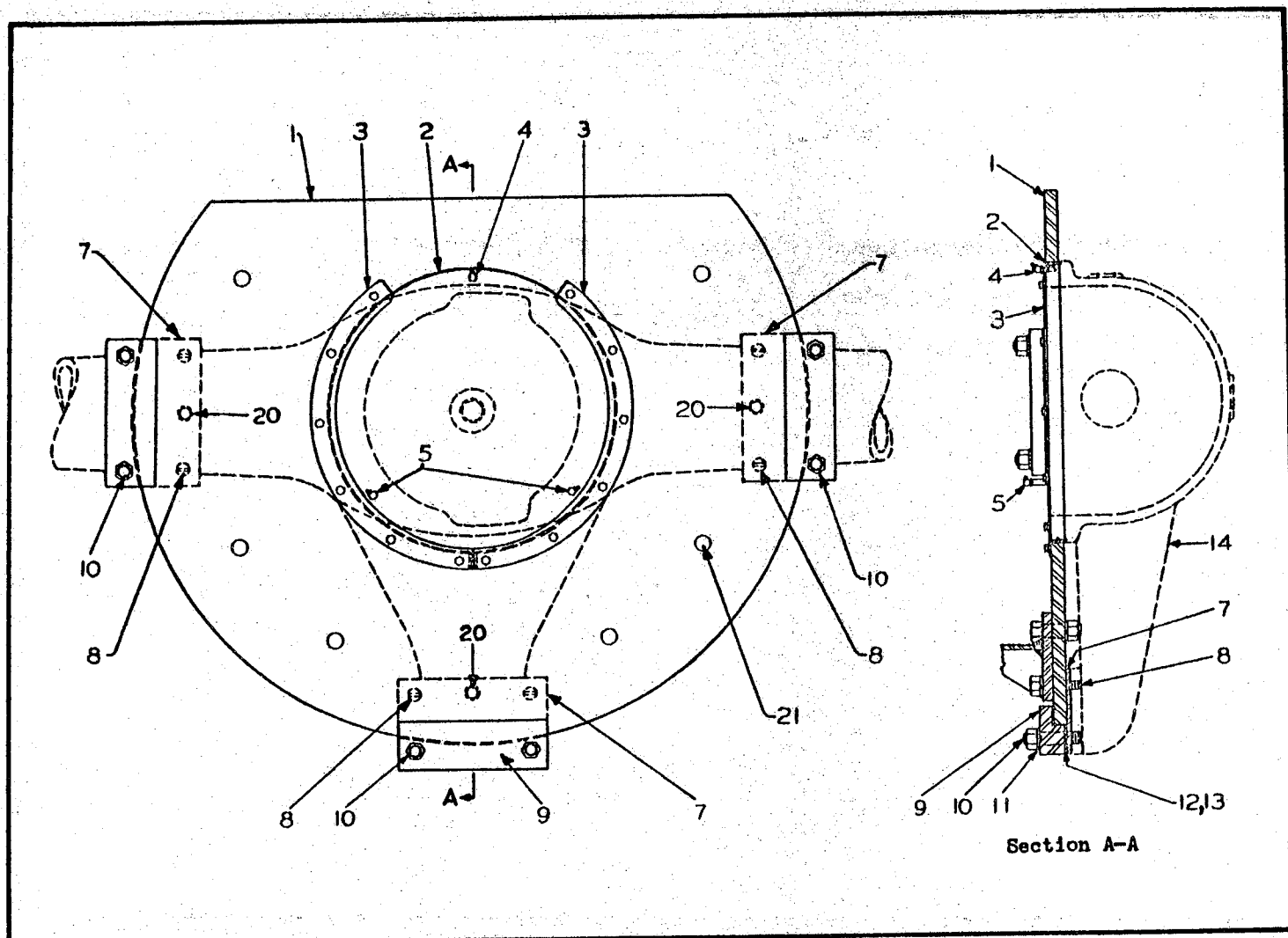
REAR AXLE HOUSING, WHEEL AND TIRE
(On Pacer 100)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	TIRE (tubeless type), 13.00 x 24 - 10 ply
2	PGF-16797	1	"O" RING (for tubeless type tires)
3	PGF-16796	1	RING, locking
4	PGF-16795	1	RING, side
5	HCF-7019	1	WHEEL WITH RIM (less rings)
6	PGF-16541	10	STUD, wheel
7	PGF-7357	10	NUT, wheel stud
8	PGF-16791	1	VALVE STEM ASSEMBLY (for tubeless type tires)
9	PG-1101	1	CAP, bearing
10	PGF-6050	1	SEAL, oil
11	PGF-6003	1	GASKET
12	311339	1	BEARING, ball
13	309019	1	WASHER, bearing lock
14	310019	1	NUT, bearing lock
15	194170	1	SEAL, oil
16	PGF-15427	1	SHAFT, drive
17			HOUSING, rear axle (see separate page)
18	PGF-11817	1	CHAIN, tire (not shown)



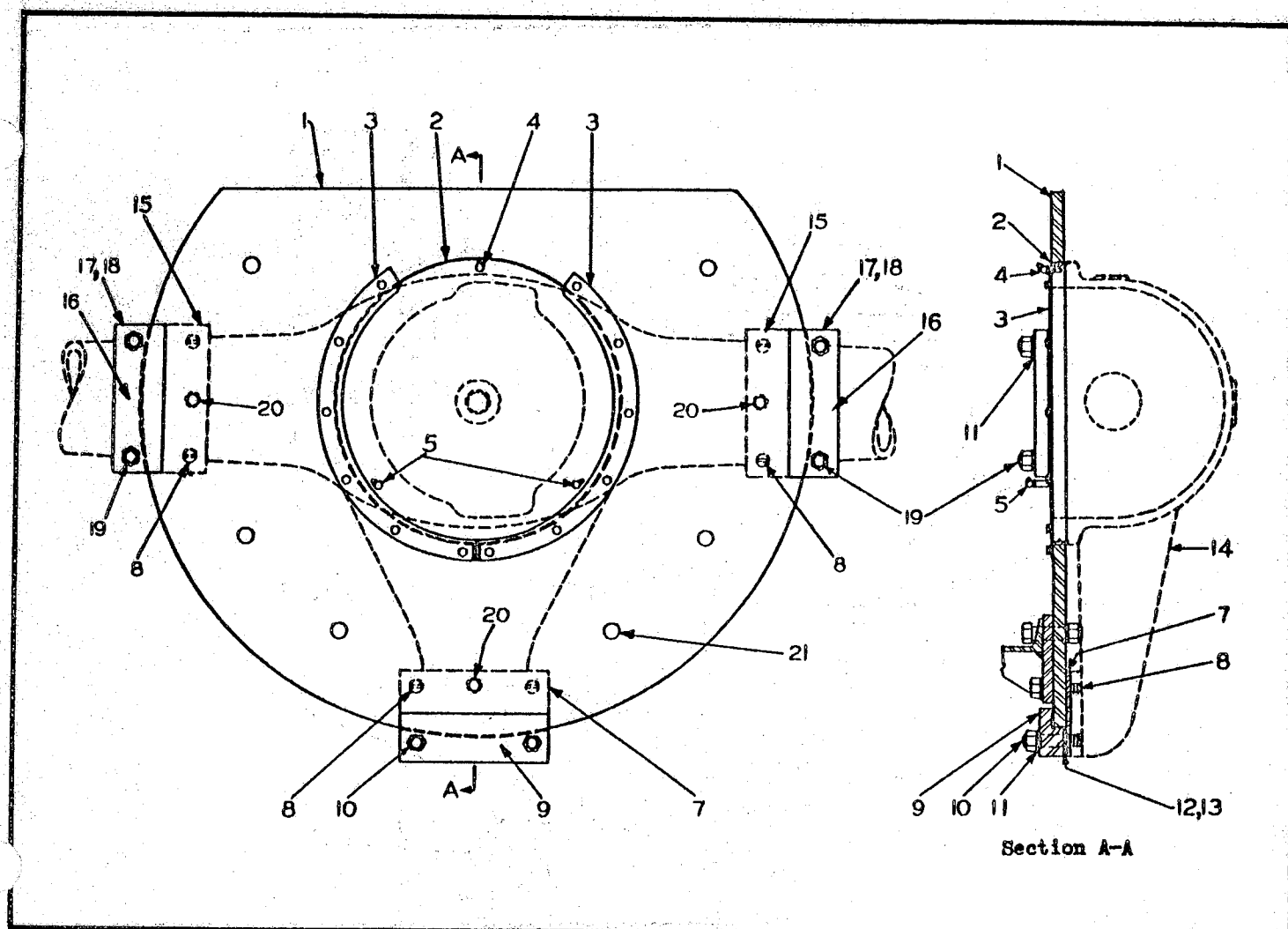
REAR AXLE HOUSING, WHEEL AND TIRE
(On Pacer 200)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	TIRE (tubeless type), 13 x 24 - 12 ply
2	FGF-16797	1	"O" RING (for tubeless type tires)
3	FGF-16796	1	RING, locking
4	FGF-16795	1	RING, side
5	FGF-16831	1	RIM (less rings)
5A	FGF-16461	10	CLAMP, rim
6	FGF-16463	10	STUD, wheel
6A	914007	10	NUT, wheel
7	914008	10	NUT, wheel stud
8	FGF-16462	10	STUD, wheel
9	FGF-16791	1	VALVE STEM ASSEMBLY (for tubeless type tires)
10	FG-2622	1	WHEEL
11	FG-1101	1	CAP, bearing
12	FGF-6050	1	SEAL, oil
13	FGF-6003	1	GASKET
14	311339	1	BEARING, ball
15	309019	1	WASHER, bearing lock
16	310019	1	NUT, bearing lock
17	194170	1	SEAL, oil
18	FGF-15427	1	SHAFT, drive
19			HOUSING, rear axle (see separate page)



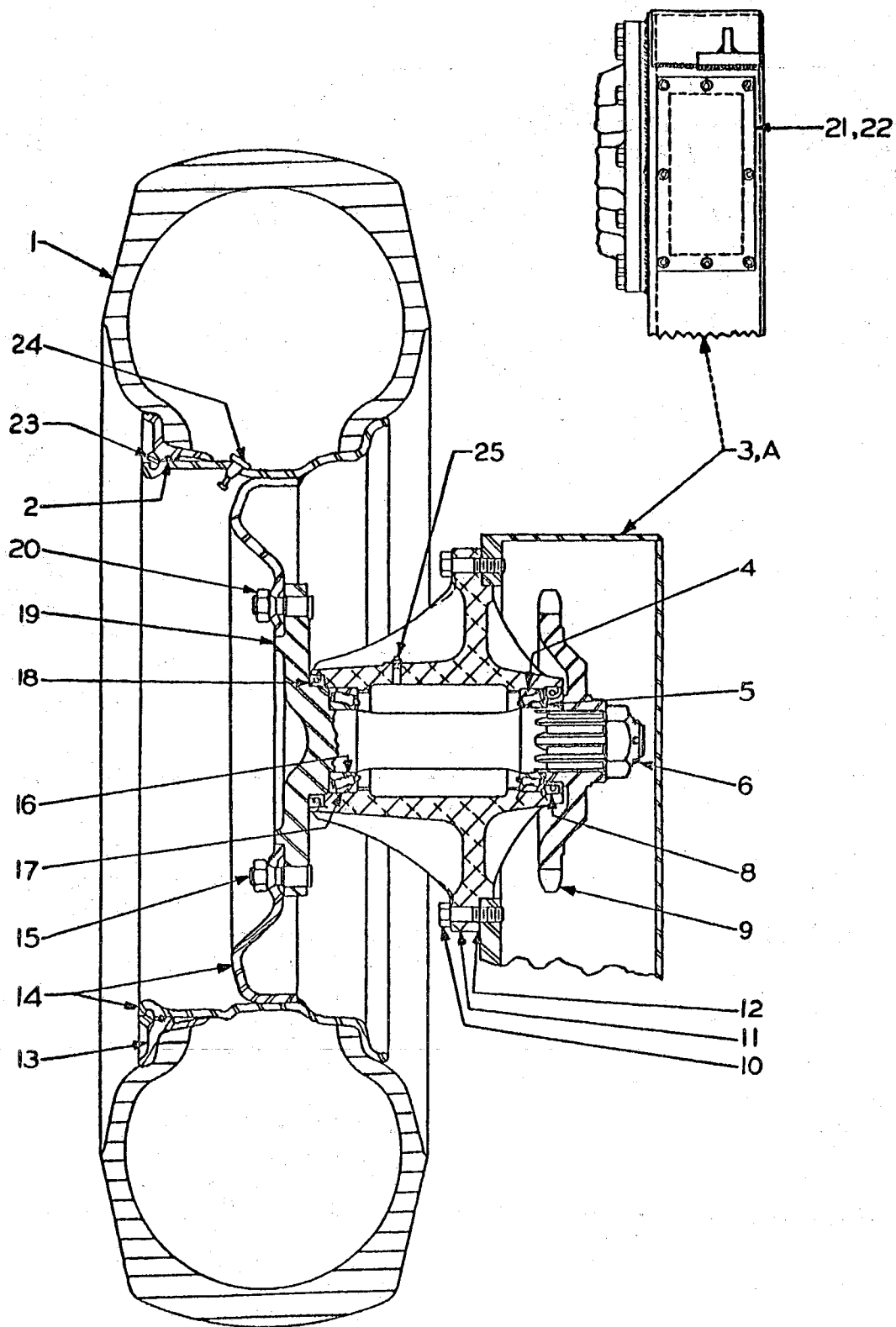
REAR AXLE CIRCLE
(On Pacer Graders)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-15814	1	PLATE, support
2	PGFA-10869	1	BUSHING, support plate
3	PGF-15815	2	SHIELD, dirt
4	064024	1	FITTING, lubrication
5	064012	2	FITTING, lubrication
7	PGF-10866	3	PLATE, wear
8	746163	6	CAPSCREW, flat head
9	PGF-10860	3	GUIDE ASSEMBLY
10	PGF-11030	6	STUD, rear axle guide
11	766014	6	WASHER, lock, external teeth
12	PGF-10867	As req'd	SHIM, guide (.010)
13	PGF-10868	As req'd	SHIM, guide (.030)
14		1	HOUSING, rear axle
20	PGF-15242	3	STUD, wear plate
21	PGF-17019	6	BOLT



REAR AXLE CIRCLE
(On Super Graders)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-15814	1	PLATE, support
2	PGFA-10869	1	BUSHING, support plate
3	PGF-15815	2	SHIELD, dirt
4	064024	1	FITTING, lubrication
5	064012	2	FITTING, lubrication
7	PGF-10866	1	PLATE, wear
8	746163	6	CAPSCREW, flat head
9	PGF-10860	1	GUIDE ASSEMBLY
10	PGF-11030	2	STUD, rear axle guide
11	766014	6	WASHER, lock, external teeth
12	PGF-10867	As req'd	SHIM, guide (.010)
13	PGF-10868	As req'd	SHIM, guide (.030)
14		1	HOUSING, rear axle
15	PGF-10991	2	PLATE, wear
16	PGF-15574	2	GUIDE ASSEMBLY
17	PGF-10988	As req'd	SHIM, guide (.030)
18	PGF-10989	As req'd	SHIM, guide (.010)
19	PGF-14702	4	STUD, rear axle guide
20	PGF-15242	3	STUD, wear plate
21	PGF-17019	6	BOLT

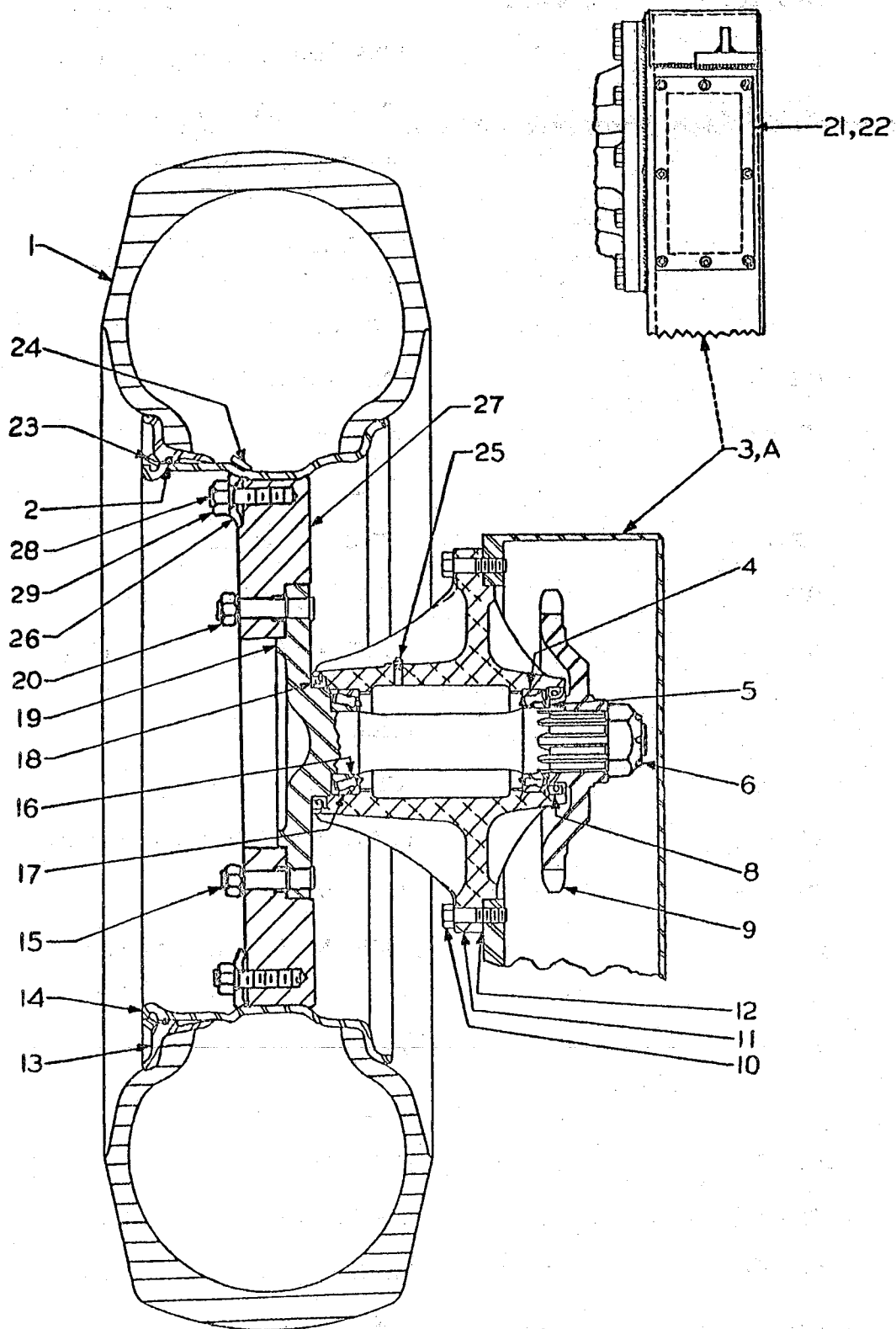


(For Part Numbers,
see next page)

REAR WHEEL AND AXLE ASSEMBLY
(On Super 100)

REAR WHEEL AND AXLE ASSEMBLY ON SUPER 100
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	TIRE (tubeless type), 12.00 x 24 - 8 ply
2	PGF-16797	1	"O" RING (for tubeless type tires)
3			PIVOT CASE WITH LINERS - L.H. (see separate page)
3A			PIVOT CASE WITH LINERS - R.H. (see separate page)
4	313452	1	CUP, bearing
5	312994	1	CONE AND ROLLERS, bearing
6	PGF-19242	1	NUT, wheel axle
8	194256	1	SEAL, oil
9	PGF-10993	1	SPROCKET, wheel axle
10	PGF-12166	12	CAPSCREW, self-locking
11	PGU-2575	1	WHEEL AXLE HUB WITH CUPS (includes Ref. Nos. 4 and 17)
12	PGF-11007	1	GASKET
13	PGF-16795	1	RING, side
14	PGF-18895	1	WHEEL WITH RIM (less rings)
15	PGF-16541	10	STUD, wheel
16	319011	1	CONE AND ROLLERS, bearing
17	313461	1	CUP, bearing
18	194326	1	SEAL, oil
19	PGF-15681	1	AXLE, wheel
20	PGF-7357	10	NUT, wheel stud
21	PGF-16780	2	COVER, pivot case, inspection hole - (ends)
22	PGF-16779	2	GASKET, cover, pivot case
23	PGF-16796	1	RING, locking
24	PGF-16791	1	VALVE STEM ASSEMBLY (for tubeless type tires)
25	813000	1	PLUG, pipe

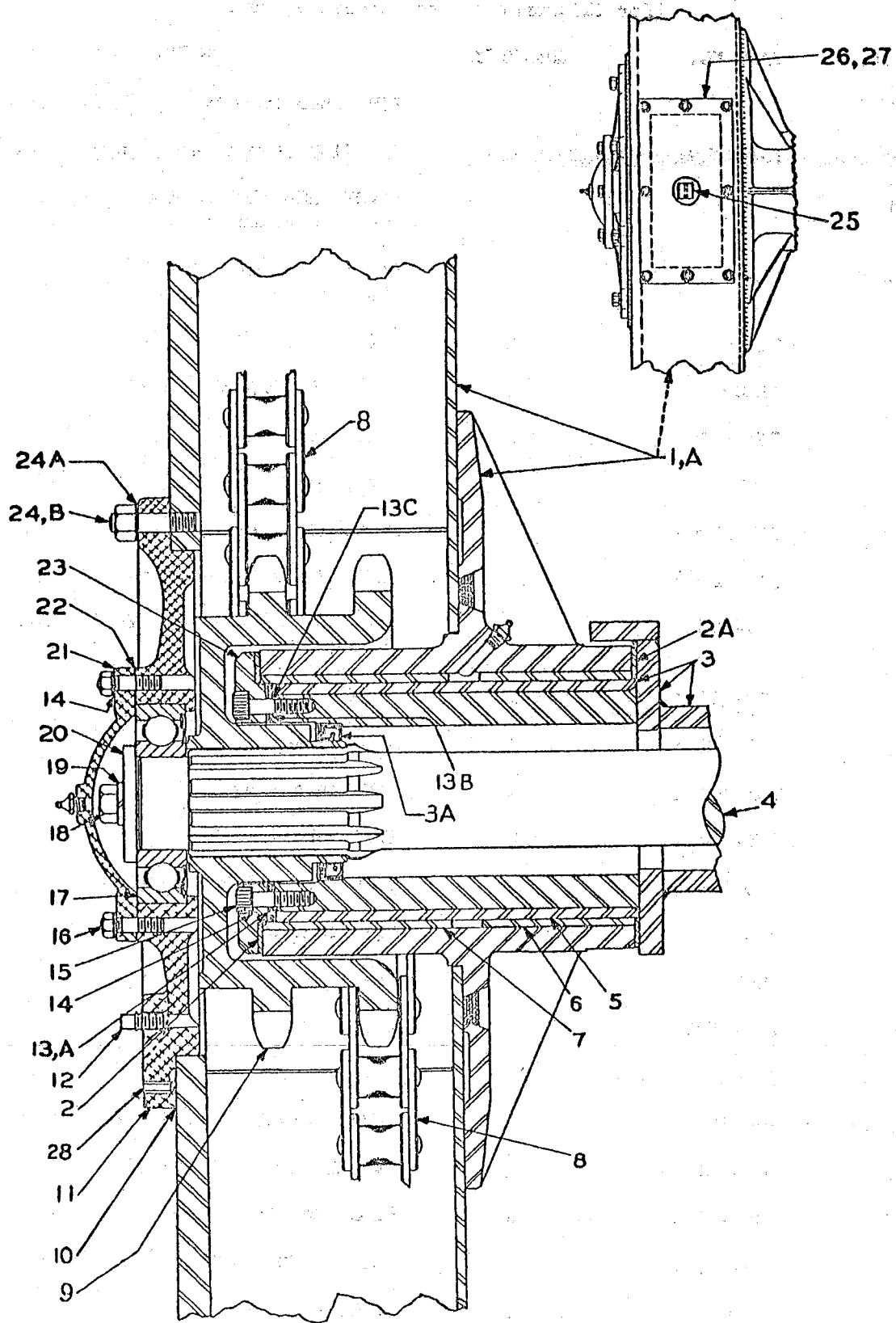


(For Part Numbers,
see next page)

REAR WHEEL AND AXLE ASSEMBLY
(On Super 200)

REAR WHEEL AND AXLE ASSEMBLY ON SUPER 200
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	TIRE (tubeless type), 12.00 x 24 - 8 ply
2	PGF-16797	1	"0" RING (for tubeless type tires)
3			PIVOT CASE WITH LINERS - L.H. (see separate page)
3A			PIVOT CASE WITH LINERS - R.H. (see separate page)
4	313452	1	CUP, bearing
5	312994	1	CONE AND ROLLERS, bearing
6	PGF-19242	1	NUT, wheel axle
8	194256	1	SEAL, oil
9	PGF-10993	1	SPROCKET, wheel axle
10	PGF-12166	12	CAPSCREW, self-locking
11	PGU-2575	1	WHEEL AXLE HUB WITH CUPS (includes Ref. Nos. 4 and 17)
12	PGF-11007	1	GASKET
13	PGF-16795	1	RING, side
14	PGF-16831	1	RIM (less rings)
15	PGF-16464	10	STUD, wheel
16	319011	1	CONE AND ROLLERS, bearing
17	313461	1	CUP, bearing
18	194326	1	SEAL, oil
19	PGF-15681	1	AXLE, wheel
20	914008	10	NUT, wheel stud
21	PGF-16780	2	COVER, pivot case, inspection hole - (ends)
22	PGF-16779	2	GASKET, cover, pivot case
23	PGF-16796	1	RING, locking
24	PGF-16791	1	VALVE STEM ASSEMBLY (for tubeless type tires)
25	813000	1	PLUG, pipe
26	PGF-16461	10	CLAMP, rim
27	PG-2621	1	WHEEL
28	PGF-16463	10	STUD, wheel
29	914007	10	NUT, wheel

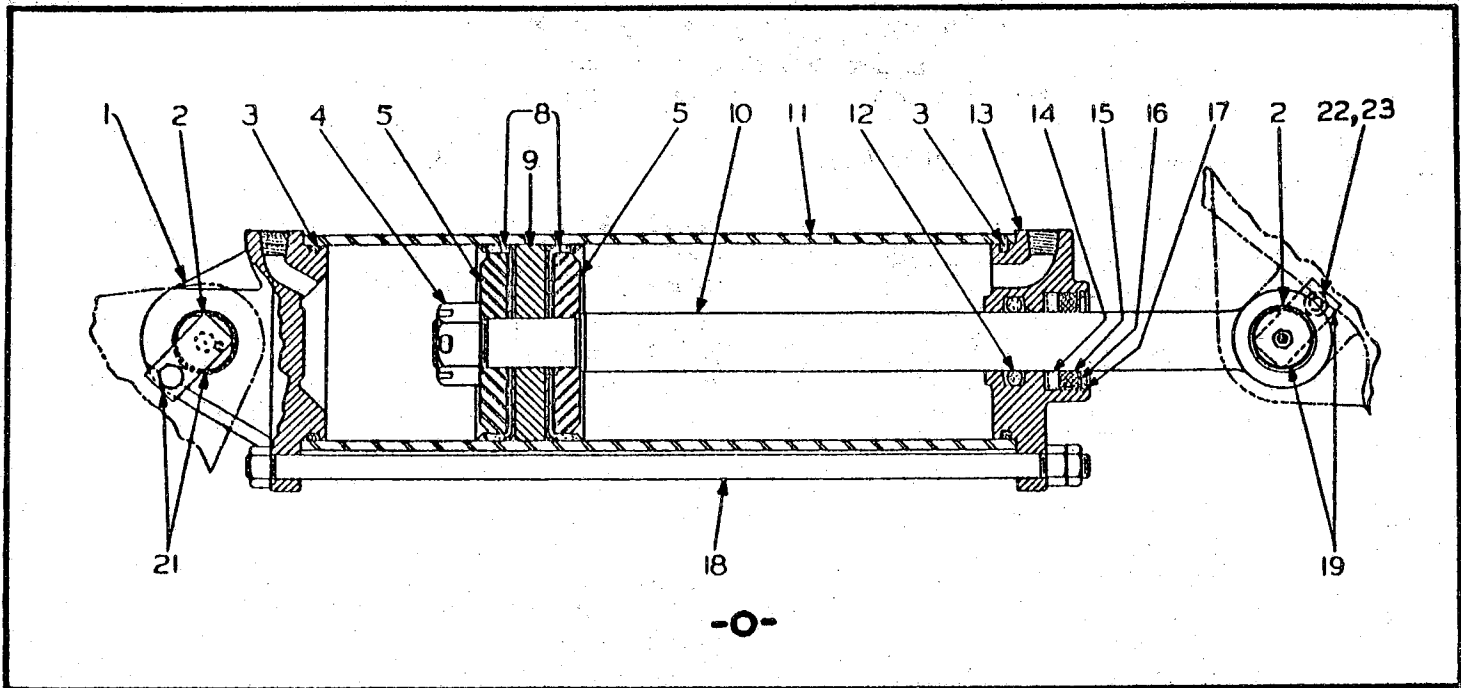


(For Part Numbers,
see next page)

REAR AXLE PIVOT CASE AND SHAFT
(On Super 100 and Super 200)

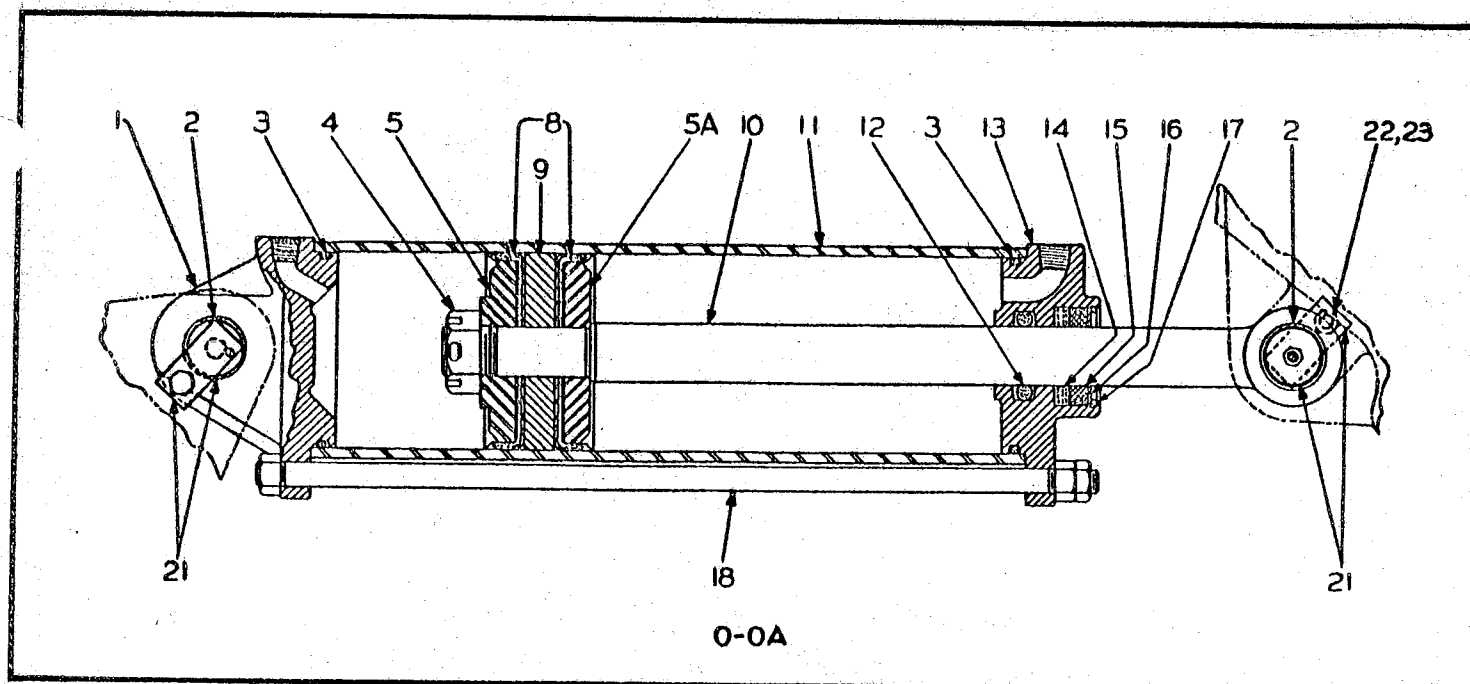
REAR AXLE PIVOT CASE AND SHAFT
(On Super 100 and Super 200)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-16785	1	PIVOT CASE WITH LINERS - L.H. (includes Ref. Nos. 6 and 7)
1A	PGF-16784	1	PIVOT CASE WITH LINERS - R.H. (includes ref. Nos. 6 and 7)
2	PGF-11505	1	WASHER, thrust
2A	PGF-17228	1	WASHER, thrust
3	PGF-17828	1	REAR AXLE HOUSING WITH LINERS (includes Ref. No. 5)
3A	194411	1	SEAL, oil
4	PGF-18271	1	SHAFT, drive
5	PGF-17229	1	LINER, rear axle housing
6	PGF-14804	1	LINER, inner, pivot case
7	PGF-14805	1	LINER, outer, pivot case
8	PGF-11173	2	CHAIN, drive
9	PGF-15761	1	SPROCKET, double
10	PGF-13527	1	GASKET, bearing housing
11	PG-2284	1	HOUSING, bearing
12	810001	1	PLUG, pipe, oil level
13	PGF-14420	3	SHIM (.010)
13A	PGF-12128	2	SHIM (.024)
13B	PGF-9648-47	1	"O" RING
13C	PGF-14419	1	WASHER
14	766009	16	WASHER, lock, external teeth
15	983207	10	CAPSCREW, hex-socket head
16	ASF-7738	6	STUD
17	311270	1	BEARING, ball
18	742787	1	BOLT
19	778015	1	WASHER, lock
20	PGF-10986	1	WASHER
21	PG-2115	1	CAP, bearing
22	PGF-10982	1	GASKET
23	PGF-12131	1	RETAINER, pivot case
24	PGF-13516	6	STUD (top and bottom)
24A	766013	6	WASHER, lock, external teeth (top and bottom)
24B	PGF-13647	6	SCREW, ctsk. hex-socket head (for ends)
25	PGF-15330	1	PLUG, vent and oil filler
26	PGF-16781	1	COVER, pivot case, inspection hole - (center)
27	PGF-16779	1	GASKET, cover, pivot case
28	798130	2	SETSCREW, hex-socket, round point



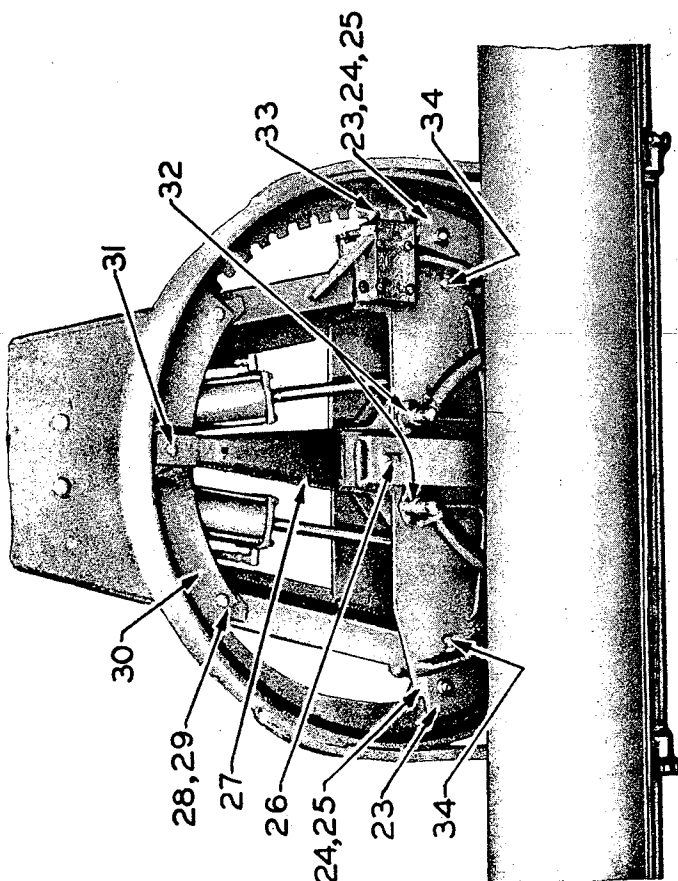
REAR AXLE STEERING RAM
(On Pacer 100 - 200)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8250	1	STEERING RAM GROUP (includes Ref. Nos. 1 to 18 inclusive)
1	PGP-1999	1	BASE WITH BUSHING (includes one of Ref. No. 2)
2	PGF-10455	2	BUSHING
3	PGF-9648-19	2	"O" RING
4	734013	1	NUT, slotted
5	PGF-3255	2	SPREADER
8	PGF-11776	2	CUP
9	PG-A-862	1	PISTON
10	PGU-8249	1	PISTON ROD WITH BUSHING (includes one of Ref. No. 2)
11	PGF-13514	1	CYLINDER
12	PGF-9648-28	1	"O" RING
13	PG-A-1998	1	HEAD
14	PGF-6997	1	FELT
15	PGF-1699	1	WIPER
16	SPF-1093	1	WASHER
17	SPF-1095	1	RING, snap
18	PGF-13513	4	ROD, tie
19	PGF-11610	1	PIN, with keeper
21	PGF-14755	1	PIN, with keeper
22	HCF-666	1	STUD
23	727003	1	NUT, castellated

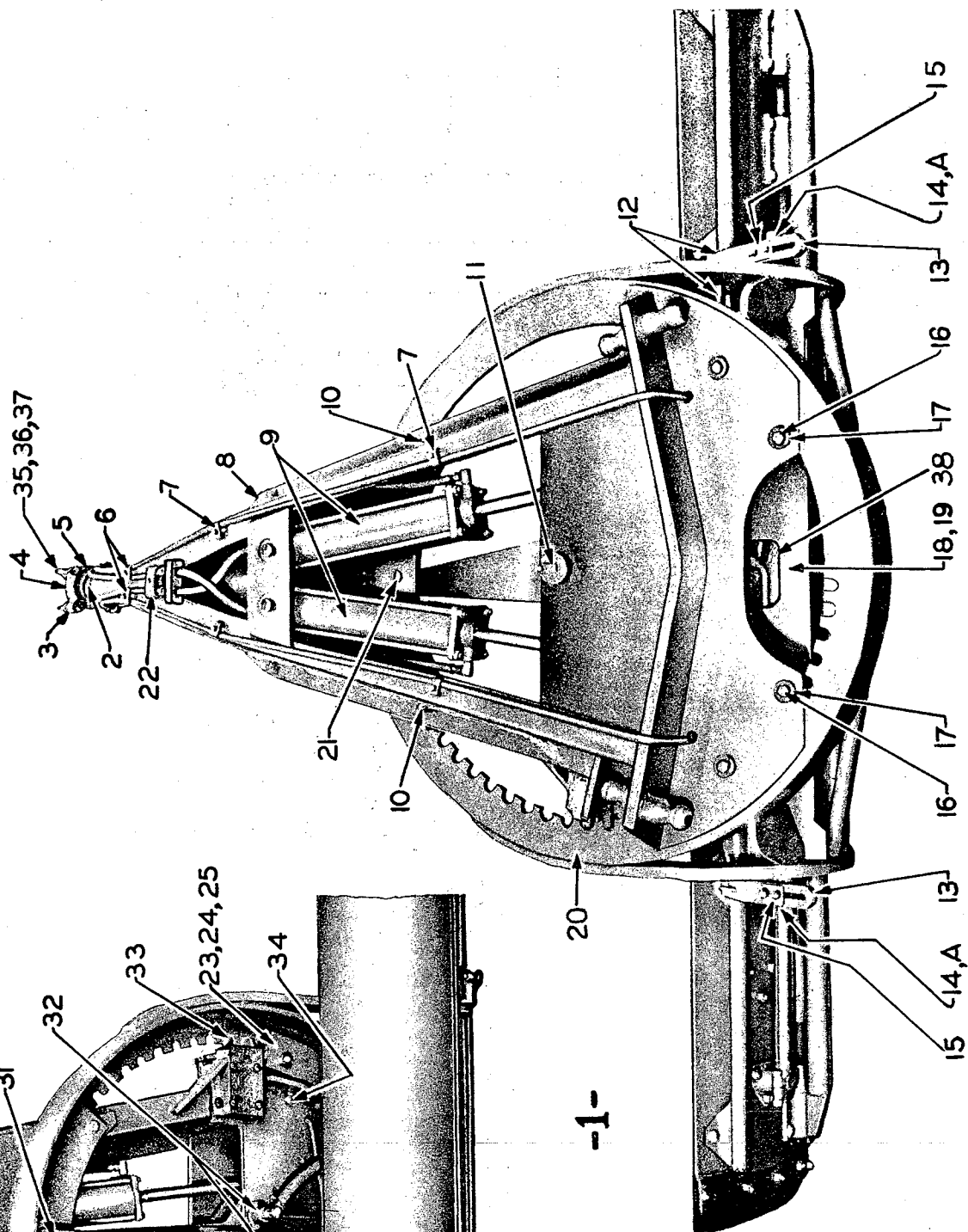


REAR AXLE STEERING RAM
(On Super 100 - 200)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8265	1	STEERING RAM GROUP, R.H. (includes Ref. Nos. 1 to 18 inclusive)
0A	PGU-8267	1	STEERING RAM GROUP, L.H. (includes Ref. Nos. 1 to 18 inclusive)
1	PGP-1993	1	BASE WITH BUSHING (includes one of Ref. No. 2)
2	PGF-10455	2	BUSHING
3	PGF-9648-14	2	"O" RING
4	737012	1	NUT, slotted
5	PGF-11082	1	SPREADER
5A	PGF-11083	1	SPREADER
8	PGF-11774	2	CUP
9	PG-A-2003	1	PISTON
10	PGU-8266	1	PISTON ROD WITH BUSHING (includes one of Ref. No. 2)
11	PGF-13139	1	CYLINDER
12	PGF-9648-28	1	"O" RING
13	PG-1992	1	HEAD
14	PGF-6997	1	FELT
15	PGF-1669	1	WIPER
16	SPF-1093	1	WASHER
17	SPF-1095	1	RING, snap
18	PGF-12625	4	ROD, tie
21	PGF-10980	4	PIN, with keeper
22	HCF-666	2	STUD
23	727003	2	NUT, castellated



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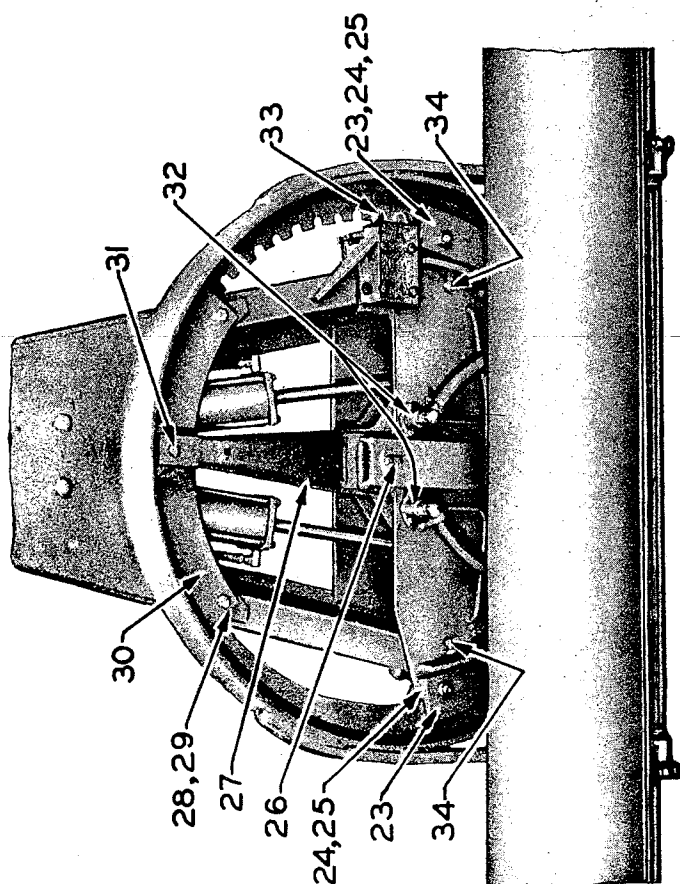
(For Part Numbers,
see next page)

CIRCLE AND DRAWBAR
(140° Rotation Circle)

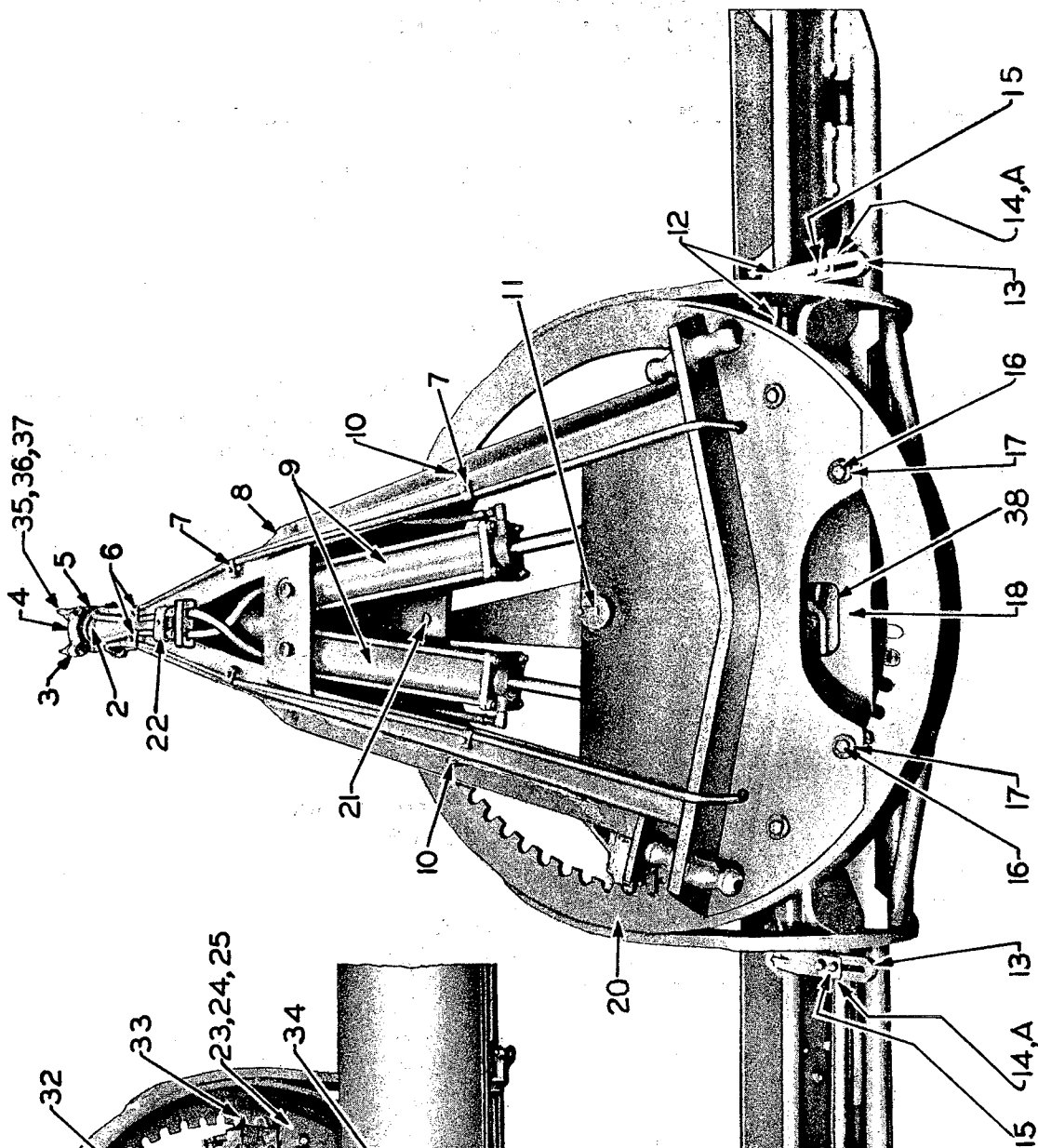
CIRCLE AND DRAWBAR
(140° Rotation Circle)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	CIRCLE AND DRAWBAR GROUP (no blade)
2	PGF-9236-3	1	BALL (welds on)
3	HTF-367	12	SHIM
4	PG-2060	1	SOCKET
5	PG-2059	1	CAP
6	PGF-11680	2	CLAMP
7	PGF-11065	4	CLAMP
8	PGF-17466	1	CIRCLE DRAWBAR GROUP (includes Ref. Nos. 2 and 5)-(with solenoid type circle latch)
9			CIRCLE REVERSE RAM (see separate page)
10	742886	2	BOLT
11	PGF-13323	1	PIN
12	PGF-15722	1	TUBE WITH TILTING LINKS (includes Ref. No. 13)
13	PGF-15719-1	2	LINK, tilt (welds on)
14	PG-2065	2	LUG } (part of Ref. 20
14A	PGF-12993-2	2	STUD } assembly)
15	PGF-11931	2	WASHER
16	PGF-10948	6	BOLT
17	PGF-10607	6	WASHER
18	PGF-10473	1	SHIELD
19	PGF-10472	2	CLAMP (not shown)
20	PGF-18982	1	CIRCLE ASSEMBLY
21	PGF-10826	1	BOLT
22	PGF-9529	1	CLAMP
23	PGF-10412	2	SUPPORT
24	PGF-10414	As req'd	SHIM (.015)
25	PGF-10413	As req'd	SHIM (.030)
26	PGF-13324	1	PIN
27	PGF-12736	1	ARM
27A	PGF-12447	2	STUD, for pin (not shown)
28	PGF-10417	As req'd	SHIM (.015)
29	PGF-10416	As req'd	SHIM (.030)
30	PGF-10415	1	SUPPORT
31	PGF-10420	1	PIN
32			SIDE SHIFT SWIVEL VALVE (see hydraulic piping page)
33			LATCH, circle (see separate page)
34	755153	4	SETSCREW, cup point
35	PGF-11874	4	STUD
36	738009	8	NUT, stud
37	778019	8	WASHER, lock, stud nut
38	PGF-16337-1	1	MOULDING

(Machines 146-6190, 6194 and up to 6742)



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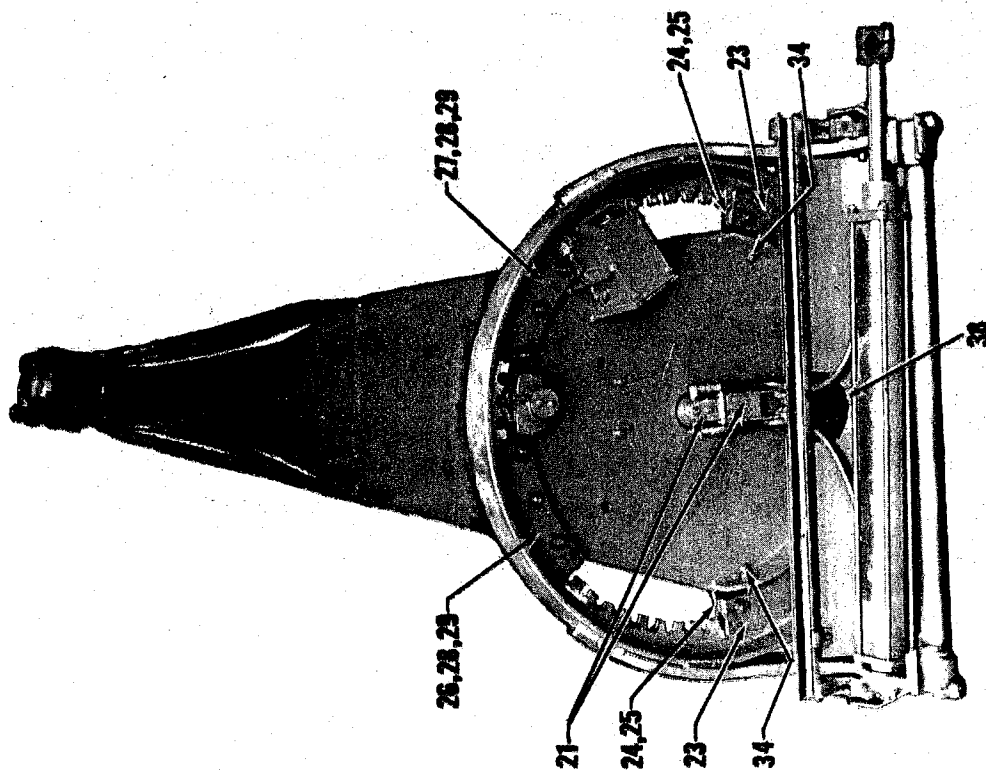
(For Part Numbers,
see next page)

CIRCLE AND DRAWBAR
(140° Rotation Circle)

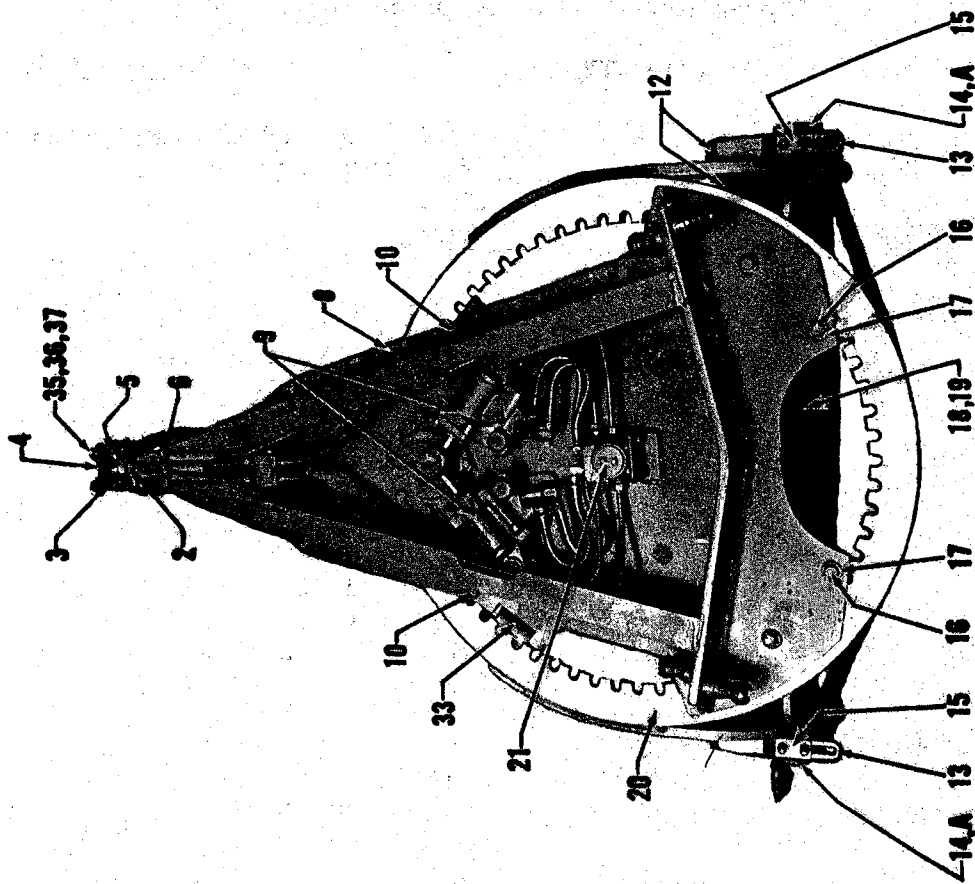
CIRCLE AND DRAWBAR
(140° Rotation Circle)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	CIRCLE AND DRAWBAR GROUP (no blade)
2	PGF-9236-3	1	BALL (welds on)
3	HTF-367	12	SHIM
4	PG-2060	1	SOCKET
5	PG-2059	1	CAP
6	PGF-11680	4	CLAMP
7	PGF-11065	4	CLAMP
8	PGF-19300	1	CIRCLE DRAWBAR GROUP (includes Ref. Nos. 2 and 5)-(with solenoid type circle latch)
9			CIRCLE REVERSE RAM (see separate page)
10	742884	2	BOLT
11	PGF-13323	1	PIN
12	PGF-18188	1	TUBE WITH TILTING LINKS (includes Ref. No. 13)
13	PGF-15719-1	2	LINK, tilt (welds on)
14	PG-2065	2	LUG } (part of Ref. 20
14A	PGF-12993-2	2	STUD } assembly)
15	PGF-11931	2	WASHER
16	742889	6	BOLT
17	PGF-10607	6	WASHER
18	PGF-18017	1	SHIELD
20	PGF-18900	1	CIRCLE ASSEMBLY
21	742880	1	BOLT
22	PGF-9529	1	CLAMP
23	PGF-18850	2	SUPPORT
24	PGF-10414	As req'd	SHIM (.015)
25	PGF-10413	As req'd	SHIM (.030)
26	PGF-13324	1	PIN
27	PGF-12736	1	ARM
27A	PGF-12447	2	STUD, for pin (not shown)
28	PGF-10417	As req'd	SHIM (.015)
29	PGF-10416	As req'd	SHIM (.030)
30	PGF-19301	1	SUPPORT
31	PGF-19239	1	PIN, assembly
32			SIDE SHIFT SWIVEL VALVE (see hydraulic piping page)
33			LATCH, circle (see separate page)
34	755153	4	SETSCREW, cup point
35	PGF-11874	4	STUD
36	738009	8	NUT, stud
37	778019	8	WASHER, lock, stud nut
38	PGF-16337-1	1	MOULDING

(Machines 146-6742 and up)



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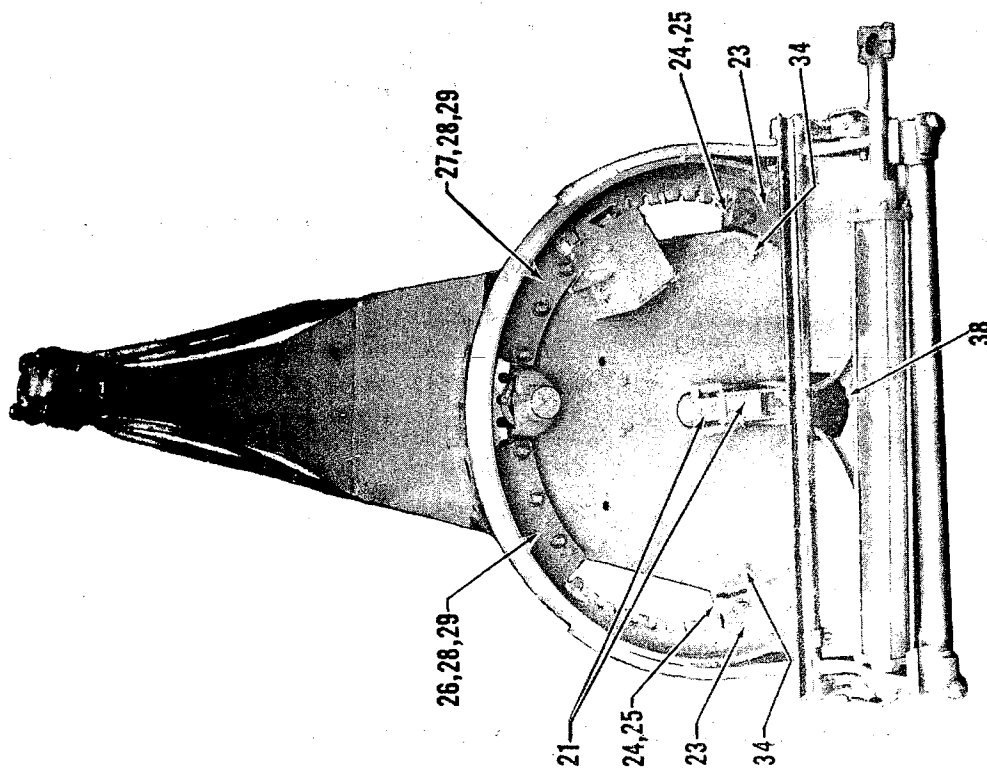
CIRCLE AND DRAWBAR
(Full Reversing Circle)

(For Part Numbers,
see next page)

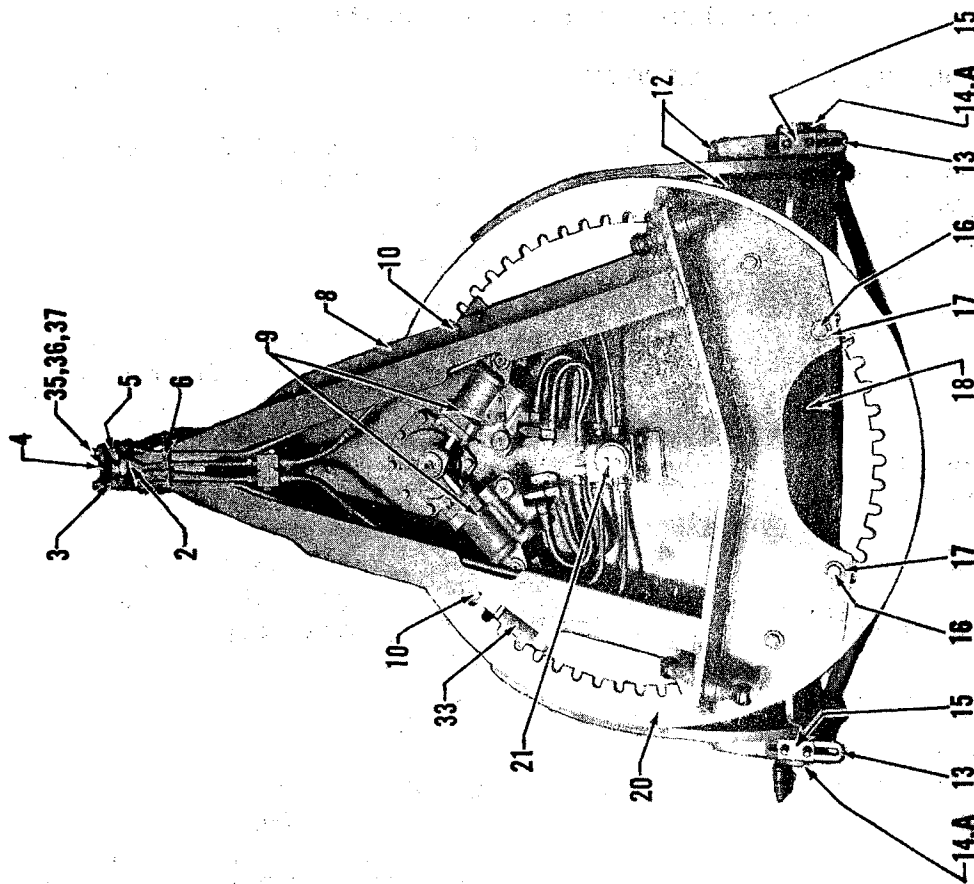
CIRCLE AND DRAWBAR
(Full Reversing Circle)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	CIRCLE AND DRAWBAR GROUP (no blade)
2	PGF-9236-3	1	BALL (welds on)
3	HTF-367	12	SHIM
4	PG-2060	1	SOCKET
5	PG-2059	1	CAP
6	PGF-11680	2	CLAMP
8	PGF-17480	1	CIRCLE DRAWBAR GROUP (includes Ref. Nos. 2 and 5)-(with solenoid type circle latch)
9			CIRCLE REVERSE HYDRAULIC MOTOR (see separate page)
10	742890	2	BOLT
12	PGF-15721	1	TUBE WITH TILTING LINKS (includes Ref. No. 13)
13	PGF-15719-1	2	LINK, tilt (welds on)
14	PG-2065	2	LUG } (part of Ref. 20
14A	PGF-12993-2	2	STUD } assembly)
15	PGF-11931	2	WASHER
16	PGF-11981	6	BOLT
17	PGF-10607	6	WASHER
18	PGF-10473	1	SHIELD
19	PGF-10472	2	CLAMP (not shown)
20	PGF-18980	1	CIRCLE ASSEMBLY
21			CIRCLE REVERSE JUNCTION BLOCK WITH PLUG AND ROTATING LINKAGE (see hydraulic piping page)
23	PGF-10412	2	SUPPORT
24	PGF-10414	As req'd	SHIM (.015)
25	PGF-10413	As req'd	SHIM (.030)
26	PGF-10907	1	SUPPORT - R.H.
27	PGF-10906	1	SUPPORT - L.H.
28	PGF-8948	As req'd	SHIM (.015)
29	PGF-8949	As req'd	SHIM (.030)
33			LATCH, circle (see separate page)
34	755153	4	SETSCREW, cup point
35	PGF-11874	4	STUD
36	738009	8	NUT, stud
37	778019	8	WASHER, lock, stud nut
38	PGF-16337-1	1	MOULDING

(Machines 146-6190, 6194 and up to 6742)



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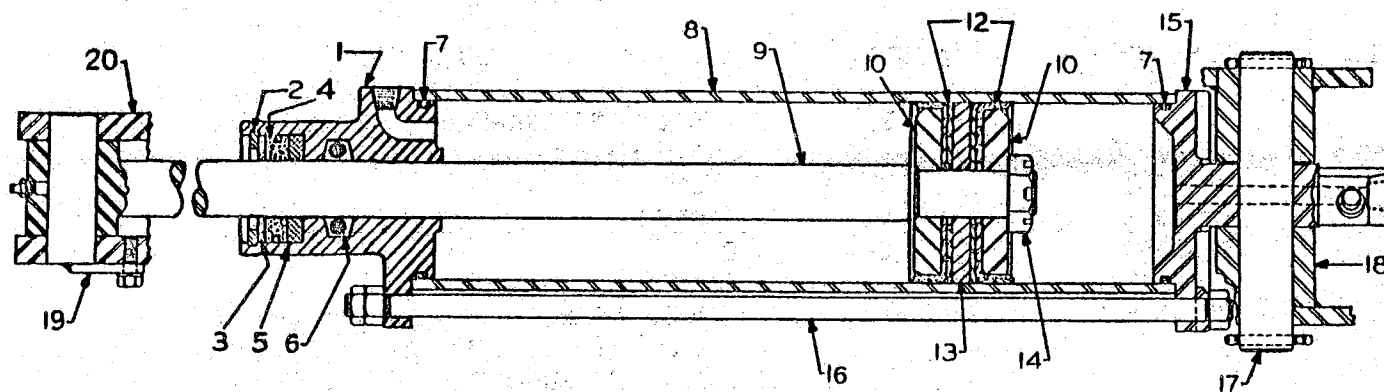
CIRCLE AND DRAWBAR
(Full Reversing Circle)

(For Part Numbers,
see next page)

CIRCLE AND DRAWBAR
(Full Reversing Circle)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	CIRCLE AND DRAWBAR GROUP (no blade)
2	PGF-9236-3	1	BALL (welds on)
3	HTF-367	12	SHIM
4	FG-2060	1	SOCKET
5	FG-2059	1	CAP
6	PGF-11680	2	CLAMP
8	PGF-17480	1	CIRCLE DRAWBAR GROUP (includes Ref. Nos. 2 and 5)-(with solenoid type circle latch)
9			CIRCLE REVERSE HYDRAULIC MOTOR (see separate page)
10	742890	2	BOLT
12	PGF-18188	1	TUBE WITH TILTING LINKS (includes Ref. No. 13)
13	PGF-15719-1	2	LINK, tilt (welds on)
14	FG-2065	2	LUG
14A	PGF-12993-2	2	STUD
15	PGF-11931	2	WASHER
16	742889	6	BOLT
17	PGF-10607	6	WASHER
18	PGF-18017	1	SHIELD
20	PGF-18899	1	CIRCLE ASSEMBLY
21			CIRCLE REVERSE JUNCTION BLOCK WITH PLUG AND ROTATING LINKAGE (see hydraulic piping page)
23	PGF-18850	2	SUPPORT
24	PGF-10414	As req'd	SHIM (.015)
25	PGF-10413	As req'd	SHIM (.030)
26	PGF-9618	1	SUPPORT - R.H.
27	PGF-9617	1	SUPPORT - L.H.
28	PGF-8948	As req'd	SHIM (.015)
29	PGF-8949	As req'd	SHIM (.030)
33			LATCH, circle (see separate page)
34	755153	4	SETSCREW, cup point
35	PGF-11874	4	STUD
36	738009	8	NUT, stud
37	778019	8	WASHER, lock, stud nut
38	PGF-16337-1	1	MOULDING

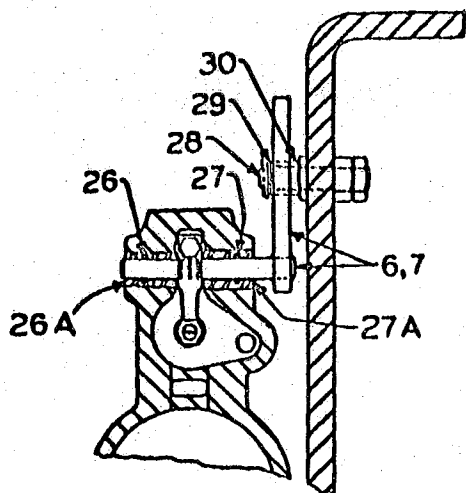
(Machines 146-6742 and up)



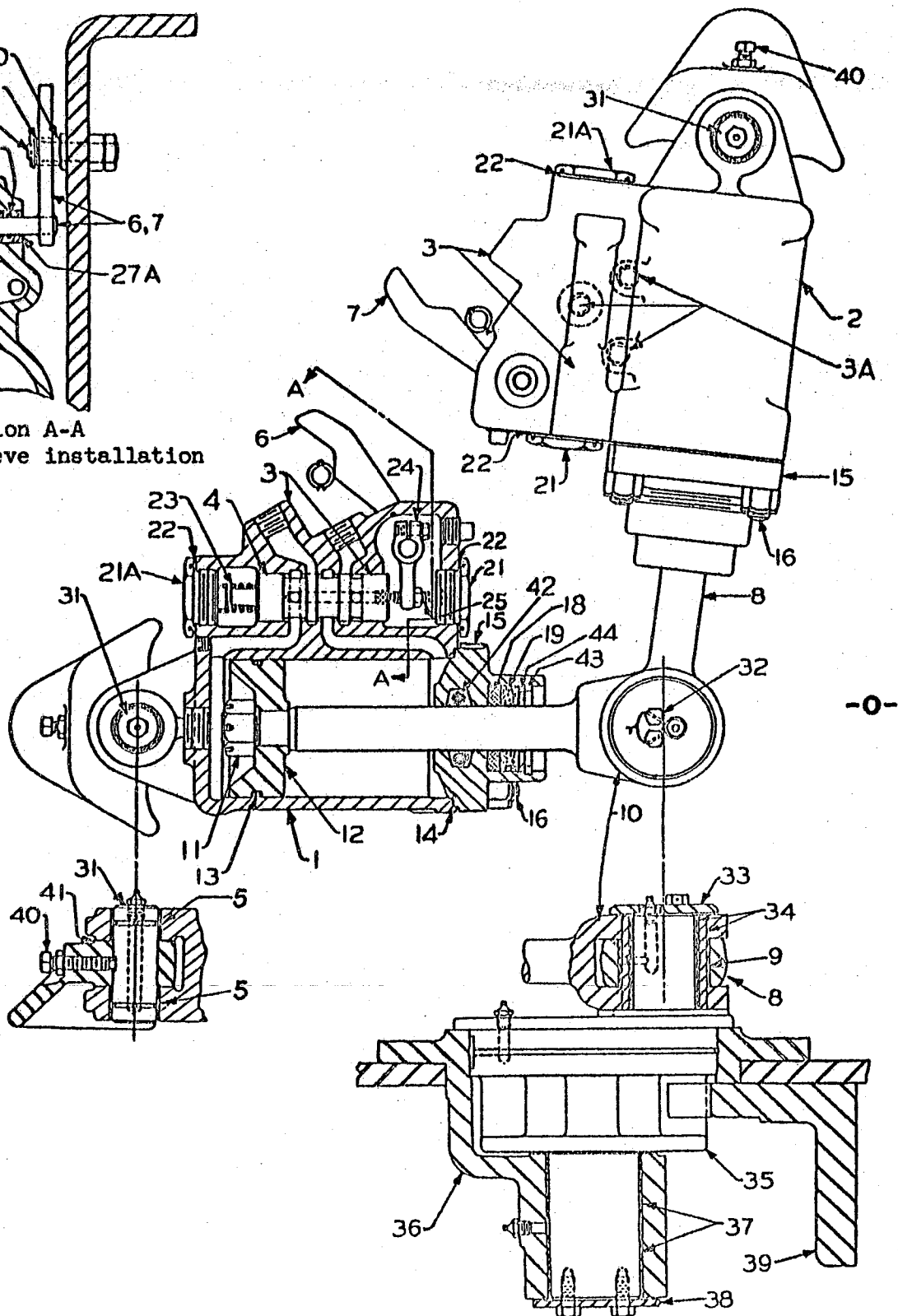
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CIRCLE REVERSE RAM
(For 140° Rotation Circle)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8396	2	CIRCLE REVERSE RAM GROUP (includes Ref. Nos. 1 to 16 inclusive)
1	FG-2421	1	HEAD
2	SPF-1095	1	RING, snap
3	SPF-1093	1	WASHER
4	PGF-1699	1	WIPER
5	PGF-6997	1	FELT
6	PGF-9648-28	1	"O" RING
7	PGF-9648-19	2	"O" RING
8	PGF-11087	1	CYLINDER
9	PGF-11086	1	ROD, piston
10	PGF-3255	2	SPREADER
12	PGF-11776	2	CUP
13	FG-A-2004	1	PISTON
14	PGF-8453	1	NUT, slotted jam
15	FG-2002	1	BASE
16	PGF-10340	4	ROD, tie
17	PGF-10419	2	PIN
18		1	DRAWBAR (ram base pivot support)
19	PGF-15731	2	PIN, with keeper
20		1	CIRCLE REVERSE ARM



Section A-A
Cam lever sleeve installation



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CIRCLE REVERSE HYDRAULIC MOTOR
(For Full Reversing Circle)

(For Part Numbers,
see next page)

CIRCLE REVERSE HYDRAULIC MOTOR
(For Full Reversing Circle)
(For illustration, see preceding page)

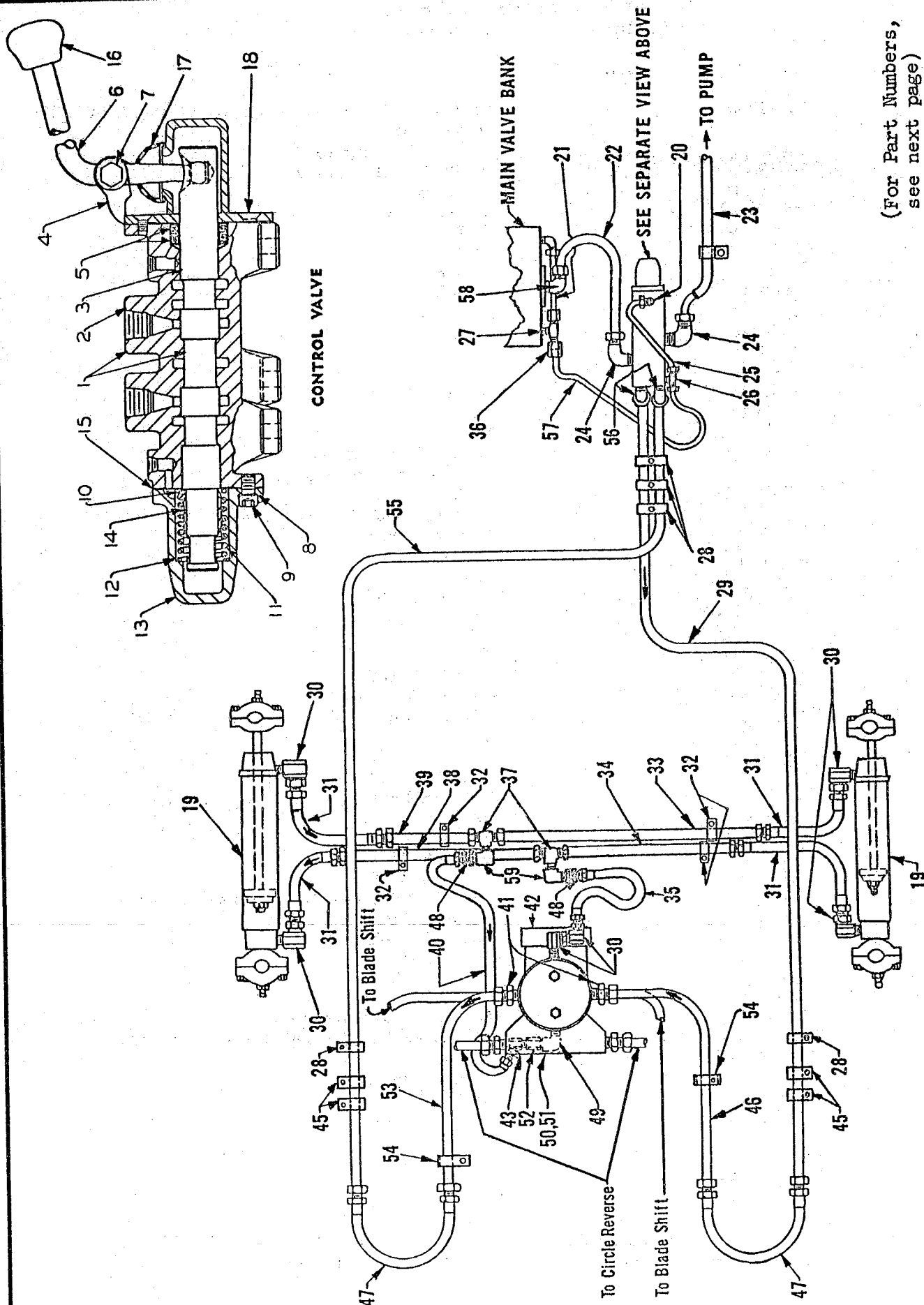
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-2825	1	HYDRAULIC MOTOR ASSEMBLY (R and L) less hub and pinion
1	PGU-9684	1	CYLINDER, VALVE AND PISTON ASSEMBLY - R.H. (piston rod has forked end)
2	PGU-9685	1	CYLINDER, VALVE AND PISTON ASSEMBLY - L.H. (piston rod has single bushed end)
3	PGUS-9232	2	CYLINDER AND VALVE BODY (R and L) with valve and bushings (includes Ref. Nos. 4, 5, 21, 21A and 22)
3A	HCF-2159	6	PLUG, valve body
4		2	* PLUG, valve (movable)
5	PGF-8902	4	BUSHING, body
6	PGF-9249	1	CAM LEVER - R.H., valve control
7	PGF-9250	1	CAM LEVER - L.H., valve control
8	PGU-1669	1	PISTON ROD WITH BUSHING (includes Ref. No. 9)
9	PGF-8909	1	BUSHING, rod
10	PGF-9761	1	ROD, piston
11	734011	2	NUT, slotted
12	PGF-16868	2	PISTON
13	PGF-13061-5	2	"O" RING
14	PGF-9648-69	2	"O" RING
15	PG-2502	2	CAP, cylinder
16	PGF-9769	8	STUD
18	PGF-7022	2	FELT
19	PGF-7026	2	WIPER
21	PGF-13259	2	PLUG (also order one of Ref. No. 22)
21A	PGF-13258	2	PLUG (also order one of Ref. No. 22)
22	PGF-9648-40	4	"O" RING
23	HCF-2142	2	SPRING, valve
24	PGF-8938	2	LEVER, valve actuating
25	PGF-8252	2	SCREW, adjusting
26	PGF-9648-22	2	"O" RING
26A	PGF-13591	2	SLEEVE, "O" ring
27	PGF-9648-21	2	"O" RING
27A	PGF-13590	2	SLEEVE, "O" ring
28	PGF-9619	2	PIN, cam
29	PGF-8731	2	WASHER, cam pin
30	PGF-8728	2	ROLLER, cam pin
31	PGF-8896	2	PIN, pivot
32	PGF-7414	2	CAPSCREW
33	PGF-8243	1	WASHER, pinion retainer
34	PGU-1668	1	BUSHING GROUP
35	PG-2499	1	PINION
36	PG-2498	1	HUB, pinion support, circle front
36A	PG-2635	1	HUB, pinion support, circle front (Machines No. 146-6742 and up)
37	PGF-8908	2	BUSHING, support hub
38	PGF-8903	1	WASHER, pinion retainer
39			CIRCLE (see separate page)
40	758058	2	SETSCREW, dog point
41	PGF-8248	As req'd	SHIM, ram base
42	PGF-9648-27	2	"O" RING
43	PGF-4515	2	RING, snap
44	PGF-13171	2	WASHER

Note: * Movable valve plug not sold separately. Order Ref. No. 3.

POWER BLADE TILT HYDRAULIC PARTS
(For 140° Rotation Circle)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGU-1800	1	BODY WITH VALVE (includes Ref. Nos. 2 and 3)
2		1	% VALVE BODY
3		1	% VALVE PLUG (movable)
4	PG-2363	1	SUPPORT, valve lever
5	HCF-5980	2	SEAL, oil
6	PGF-16199	1	LEVER, valve
7	PGF-16346	1	BOLT
8	HCF-373	4	WASHER
9	819133	4	CAPSCREW
10	PGF-8785	1	WASHER
11	PGF-15988	1	SPRING
12	PGF-8780	1	WASHER
13	AS-1010	1	CAP
14	PGF-8781	1	SLEEVE
15	ASF-5105	1	GASKET
16	PGF-19404	1	BALL
17	PGF-15741	1	BOOT
18	PGF-16325	2	SCREW, flat head socket
19			RAM (see separate page)
20	PGF-10144-3	1	ELBOW
21		1	TUBE ASSEMBLY (see main hydraulic piping)
22	PGF-17545	1	TUBE ASSEMBLY
23	PGF-16757	1	TUBE ASSEMBLY
24	PGF-10144-8	2	ELBOW
25	PGF-16287	1	TUBE ASSEMBLY
26	PGF-10147-3	1	TEE
27	PGF-10147-5	1	TEE
28	PGF-11680	5	CLAMP
29	PGF-16759	1	TUBE ASSEMBLY
30	PGF-12282-5	4	SWIVEL ELBOW - 90°
31	PGF-16309	4	HOSE ASSEMBLY (10-3/4" overall length)
32	PGF-16319	2	CLIP
33	PGF-16765	1	TUBE ASSEMBLY
34	PGF-16767	1	TUBE ASSEMBLY
35	HCF-1135	1	HOSE ASSEMBLY (36" overall length)
36	PGF-10151-4	1	ADAPTER
37	PGF-10186-7	2	TEE
38	PGF-16766	1	TUBE ASSEMBLY
39	PGF-16764	1	TUBE ASSEMBLY
40	PGF-13760	1	HOSE ASSEMBLY (41-1/2" overall length)
41	PGF-10145-7	2	ELBOW, swivel
42	PGF-16760	1	TUBE ASSEMBLY
43	PGF-16761	1	TUBE ASSEMBLY
44	PGF-16762	2	TUBE ASSEMBLY
45	HCF-5915-3	2	STEM, male swivel
46	HCF-5916-3	2	SLEEVE, female swivel
47	PGF-16293	2	HOSE ASSEMBLY (79-1/4" overall length)
48	PGF-12294-6	2	SWIVEL, straight
49	PGF-9812-7	2	UNION, coupling
50	PGF-16755	4	CLAMP
55	PGF-16758	1	TUBE ASSEMBLY
56	PGF-10144-7	2	ELBOW
57	PGF-16756	1	TUBE ASSEMBLY
58	PGF-10145-8	1	ELBOW
59	PGF-10104-4	2	ELBOW

Note: % Indicates parts not sold separately. Order Ref. No. 1 - PGU-1800, body with valve, from your nearest BLH Austin-Western Distributor.



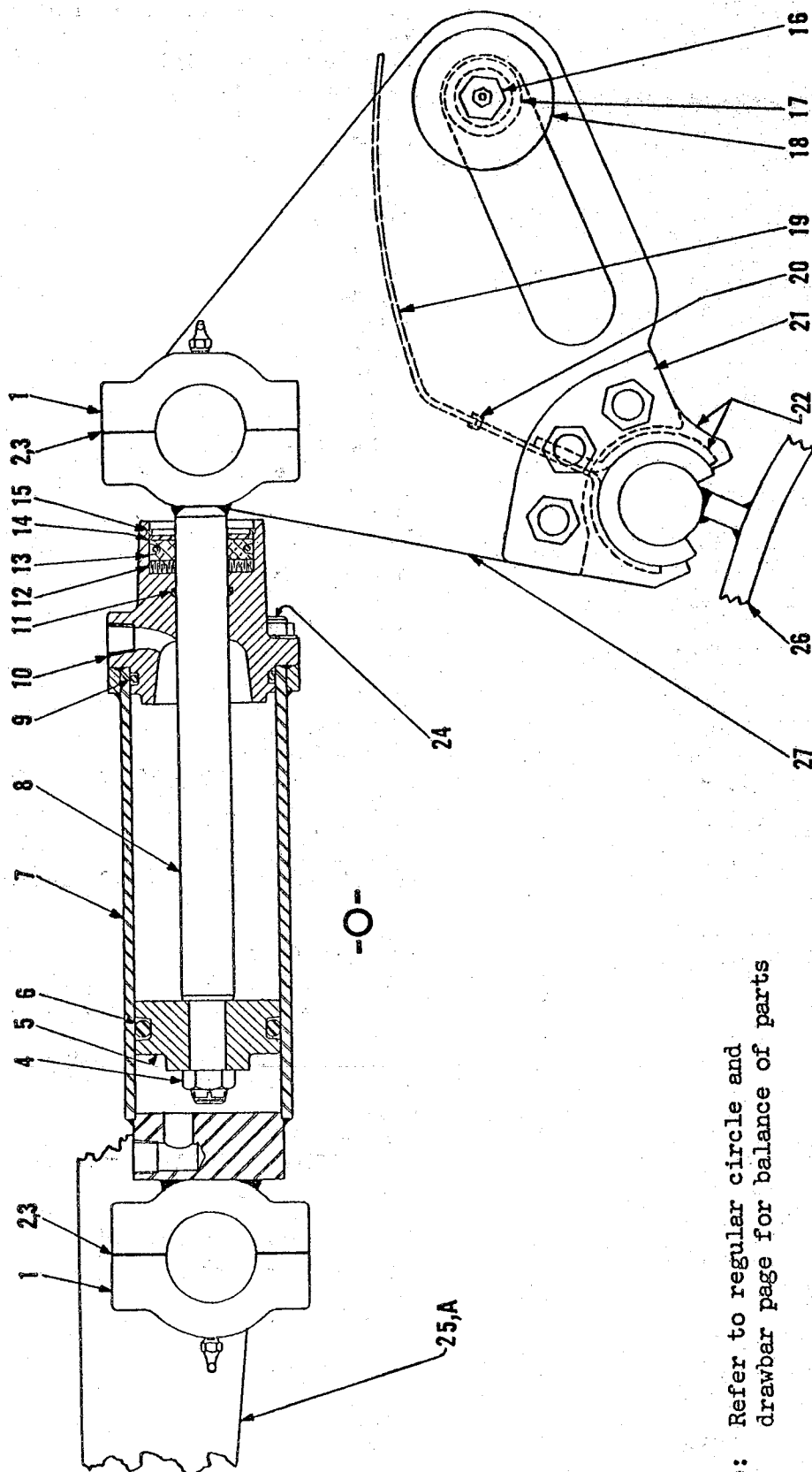
(For Part Numbers,
see next page)

POWER BLADE TILT HYDRAULIC PARTS
(For Full Reversing Circle)

POWER BLADE TILT HYDRAULIC PARTS
(For Full Reversing Circle)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGU-1800	1	BODY WITH VALVE (includes Ref. Nos. 2 and 3)
2		1	% VALVE BODY
3		1	% VALVE PLUG (movable)
4	PG-2363	1	SUPPORT, valve lever
5	HCF-5980	2	SEAL, oil
6	PGF-16199	1	LEVER, valve
7	PGF-16346	1	BOLT
8	HCF-373	4	WASHER
9	819133	4	CAPSCREW
10	PGF-8785	1	WASHER
11	PGF-15988	1	SPRING
12	PGF-8780	1	WASHER
13	AS-1010	1	CAP
14	PGF-8781	1	SLEEVE
15	ASF-5105	1	GASKET
16	PGF-19404	1	BALL
17	PGF-15741	1	BOOT
18	PGF-16325	2	SCREW, flat head socket
19			RAM (see separate page)
20	PGF-10144-3	1	ELBOW
21		1	TUBE ASSEMBLY (see main hydraulic piping)
22	PGF-17545	1	TUBE ASSEMBLY
23	PGF-16757	1	TUBE ASSEMBLY
24	PGF-10144-8	2	ELBOW
25	PGF-16287	1	TUBE ASSEMBLY
26	PGF-10147-3	1	TEE
27	PGF-10147-5	1	TEE
28	PGF-11680	5	CLAMP
29	PGF-16759	1	TUBE ASSEMBLY
30	PGF-12282-5	6	SWIVEL ELBOW - 90°
31	PGF-16309	4	HOSE ASSEMBLY (10-3/4" overall length)
32	PGF-16319	4	CLIP
33	PGF-16765	1	TUBE ASSEMBLY
34	PGF-16767	1	TUBE ASSEMBLY
35	HCF-1135	1	HOSE ASSEMBLY (36" overall length)
36	PGF-10151-4	1	ADAPTER
37	PGF-10186-7	2	TEE
38	PGF-16766	1	TUBE ASSEMBLY
39	PGF-16764	1	TUBE ASSEMBLY
40	PGF-16317	1	HOSE ASSEMBLY (44-1/2" overall length)
41	PGF-10143-7	2	COUPLING
42	PGF-16259	1	CONNECTOR PLATE, swivel body
43	PGF-12287-4	1	SWIVEL ELBOW - 45°
45	PGF-16755	4	CLAMP
46	PGF-16775	1	TUBE ASSEMBLY
47	PGF-16293	2	HOSE ASSEMBLY (79-1/4" overall length)
48	PGF-12294-6	2	SWIVEL, straight
49	PGF-12291-3	1	ELBOW, street
50	PG-2458	1	BODY, swivel junction valve
51	PGF-16258	1	PLUG, swivel valve
52	PGF-10893	1	FITTING
53	PGF-16774	1	TUBE ASSEMBLY
54	PGF-11065	2	CLAMP
55	PGF-16758	1	TUBE ASSEMBLY
56	PGF-10144-7	2	ELBOW
57	PGF-16756	1	TUBE ASSEMBLY
58	PGF-10145-8	1	ELBOW
59	PGF-10104-4	2	ELBOW

Note: % Indicates parts not sold separately. Order Ref. No. 1 - PGU-1800, body with valve, from your nearest BLH Austin-Western Distributor.



Note: Refer to regular circle and
drawbar page for balance of parts

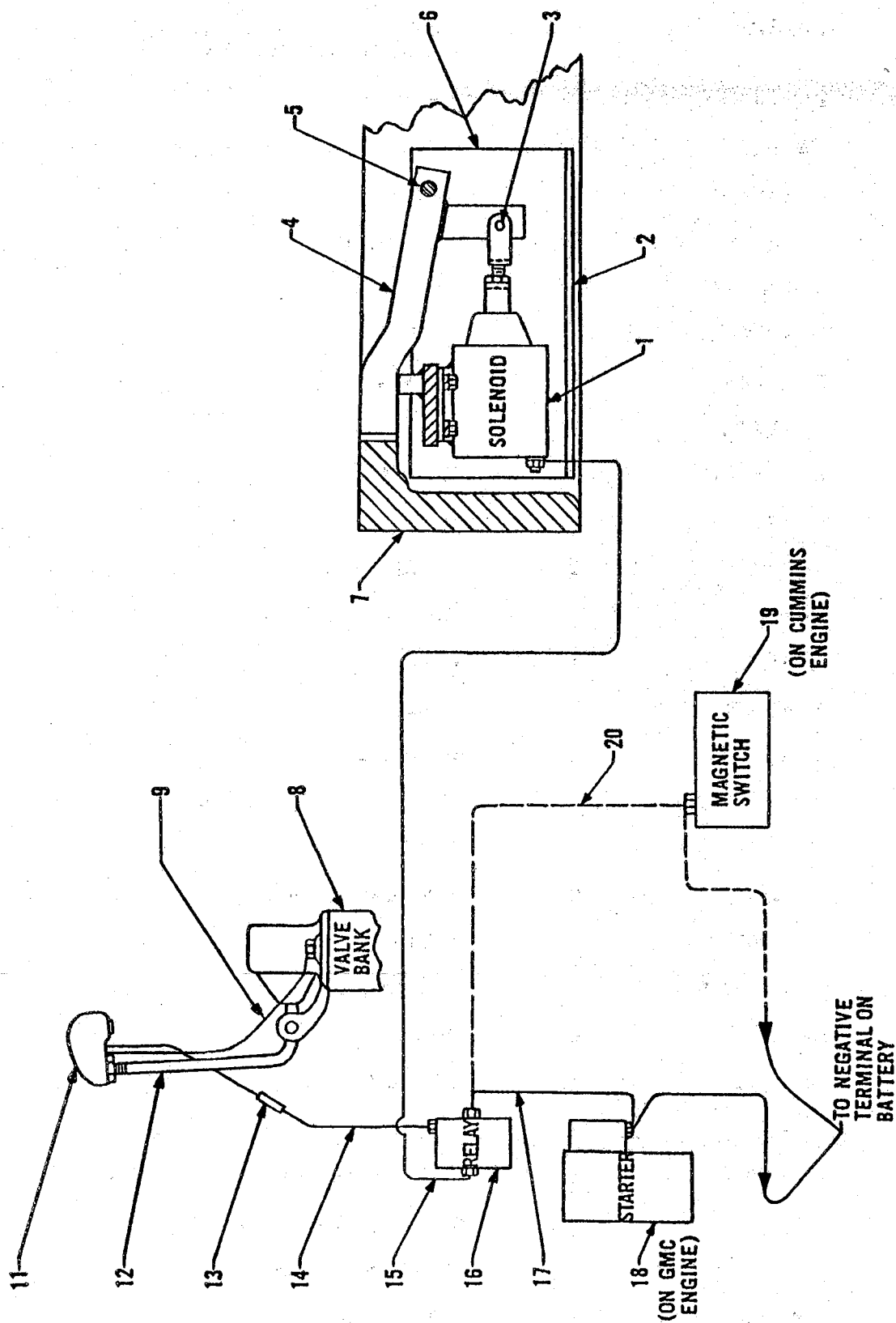
(For Part Numbers,
see next page)

RAM, CIRCLE AND ARMS FOR POWER BLADE TILT

RAM, CIRCLE AND ARMS FOR POWER BLADE TILT
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8416	2	RAM GROUP (includes Ref. Nos. 1 to 15 inclusive and Ref. No. 24)
1	PGF-19042	2	CAP
2	MGF-1992	2	SHIM (.024)
3	PGF-11856	2	SHIM (.010)
4	911008	1	NUT, huglock
5	AS-1076	1	PISTON
6	PGF-9648-12	1	"O" RING
7	PGF-19054	1	CYLINDER
8	PGF-19053	1	ROD, piston
9	PGF-9648-13	1	"O" RING
10	AS-1078	1	HEAD
11	PGF-9648-16	1	"O" RING
12	PGF-7022	1	SEAL, felt
13	PGF-7026	1	WIPER
14	PGF-13171	1	WASHER
15	PGF-4515	1	RING, snap
16		2	PIN (part of Ref. 25 or 25A)-(welded)
17	PGF-16252	2	BUSHING
18	PGF-16253	2	RETAINER (for Ref. 17)
19	PGF-18014	1	SHIELD
20	PGF-16337-5	1	MOULDING, rubber (for Ref. 19)
21	PGF-16654	8	SHIM
22	PGF-18219	1	TILT ARM
24	HCF-1350	4	STUD
25	PGF-18902	1	CIRCLE (welded unit)-(140° rotation)
25A	PGF-18901	1	CIRCLE (welded unit)-(full reversing)
26			BLADE (see separate page)
27	PGF-17940	1	PLATE ASSEMBLY, tilt arm
28	PGF-16776	1	* CIRCLE DRAWBAR GROUP (reworked)-(for graders with 140° rotation circle)

Note: * Part not illustrated.

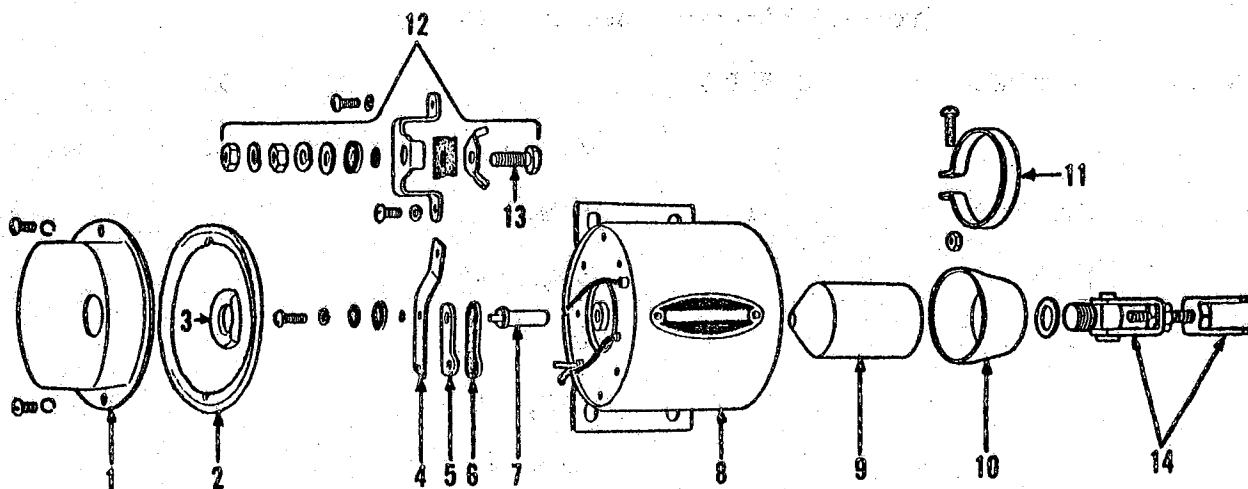


(For Part Numbers,
see next page)

CIRCLE LATCH MECHANISM (SOLENOID TYPE)

CIRCLE LATCH MECHANISM (SOLENOID TYPE)
(For illustration, see preceding page)

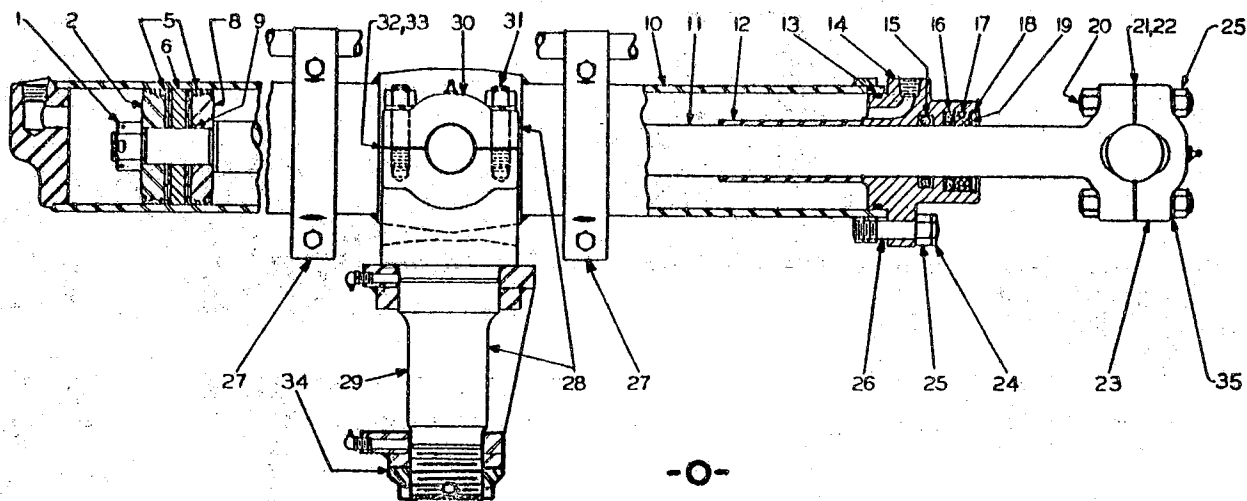
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1			SOLENOID (switch)-(see separate page)
2	PGF-16916	1	COVER
3	783003	1	PIN, yoke
4	PGF-18344	1	LATCH
5	742848	1	BOLT, pivot
6			DRAWBAR UNIT
7			CIRCLE
8			VALVE BANK
			(see separate page)
9	PGF-18418	1	WIRE, ground
11			KNOB, control, circle reverse latch (see separate page)
12			LEVER, circle reverse (see separate page)
13	HCF-6357	1	CONNECTOR, wire
14	PGF-16589	1	WIRE
15	PGF-18467	1	WIRE
16	PGF-16452	1	RELAY
17	PGF-16590	1	WIRE (for GMC engine)
18			STARTER (for GMC engine - see separate page)
19			MAGNETIC SWITCH (for Cummins engine - see separate page)
20	PGF-16592	1	WIRE (for Cummins engine)



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SOLENOID SWITCH FOR CIRCLE LATCH

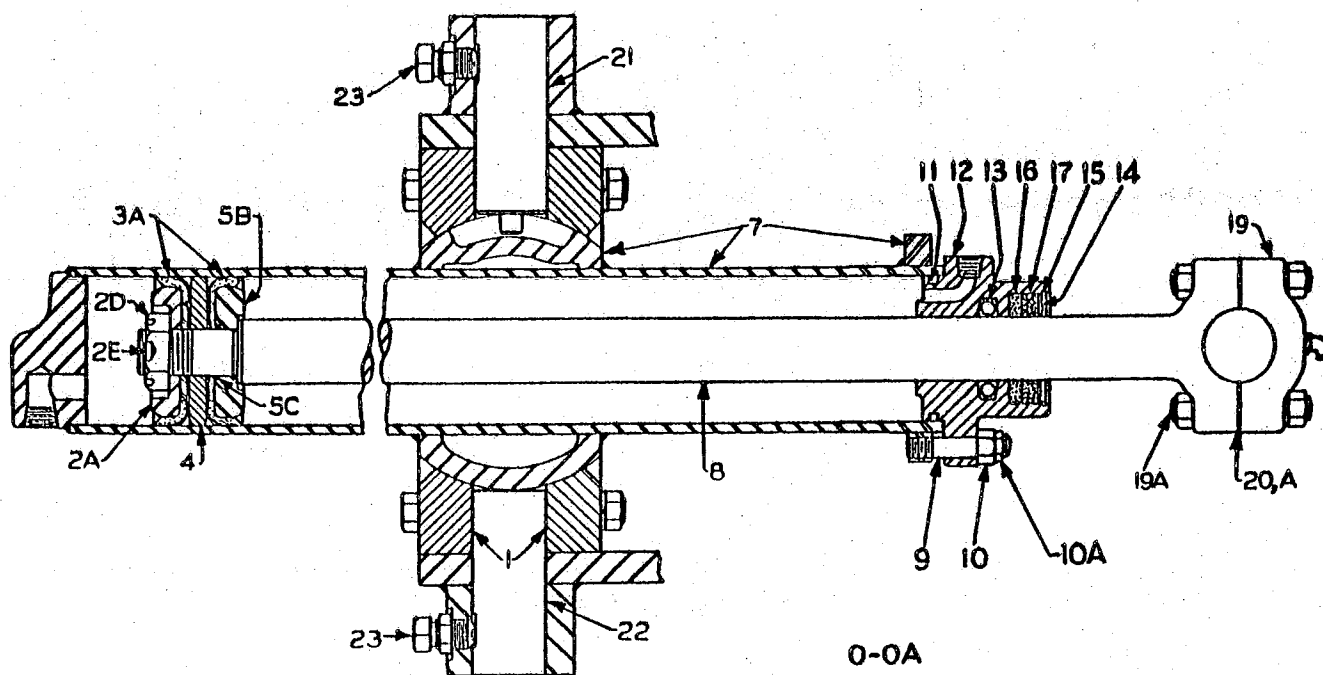
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	HCF-6050	1	SOLENOID (switch), complete
1	432269	1	COVER
2	432270	1	GASKET
3	432271	1	GASKET
4	432272	1	SPRING, contact
5	432273	1	CONTACT AND SUPPORT
6	432274	1	INSULATOR, contact
7	432275	1	PUSH ROD
8		1	CASE AND COIL (order Ref. 0)
9	432276	1	PLUNGER
10	432277	1	BOOT, plunger
11	432278	1	CLAMP, boot
12	432279	1	BRACKET ASSEMBLY, terminal
13	432280	1	STUD, terminal
14	432281	1	LINK AND SCREW ASSEMBLY



HIGH LIFT RAM

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8197	1	HIGH LIFT RAM GROUP (includes Ref. Nos. 1 to 27 inclusive)
1	734011	1	NUT, slotted
2	PGF-1158	1	SPREADER
5	PGF-11753	2	CUP
6	PG-A-320	1	PISTON
8	PGF-11803	1	SPREADER
9	PGF-9648-16	1	"O" RING
10	PGF-12154	1	CYLINDER WITH STUDS AND NUTS (includes Ref. Nos. 25 and 26)
11	PGF-19047	1	ROD, piston
12	PGF-12157	1	SLEEVE
13	PGF-9648-1	1	"O" RING
14	SP-A-76	1	HEAD
15	PGF-9648-29	1	"O" RING
16	SFF-1122	1	FELT
17	PGF-9225	1	WIPER
18	SFF-1094	1	RING, snap
19	SFF-1098	1	WASHER
20	986318	2	BOLT
21	MGF-1992	4	SHIM (.024)
22	PGF-11856	4	SHIM (.010)
23	PGF-19042	1	CAP
24	724007	4	PALNUT
25	722007	6	NUT, hex
26	PGF-10840	4	STUD
27	PGF-9521	2	CLAMP
28	PGP-2345	1	TRUNNION WITH CAPS (includes Ref. Nos. 29 to 34 inclusive)
29		1	* TRUNNION
30		2	* CAP
31	PGF-10840	4	STUD
32	MGF-1992	8	SHIM (.024)
33	PGF-11856	8	SHIM (.010)
34	PG-A-1771	1	NUT, slotted
35	778015	2	WASHER, lock

Note: * Indicates parts not sold separately. Order Ref. No. 28.

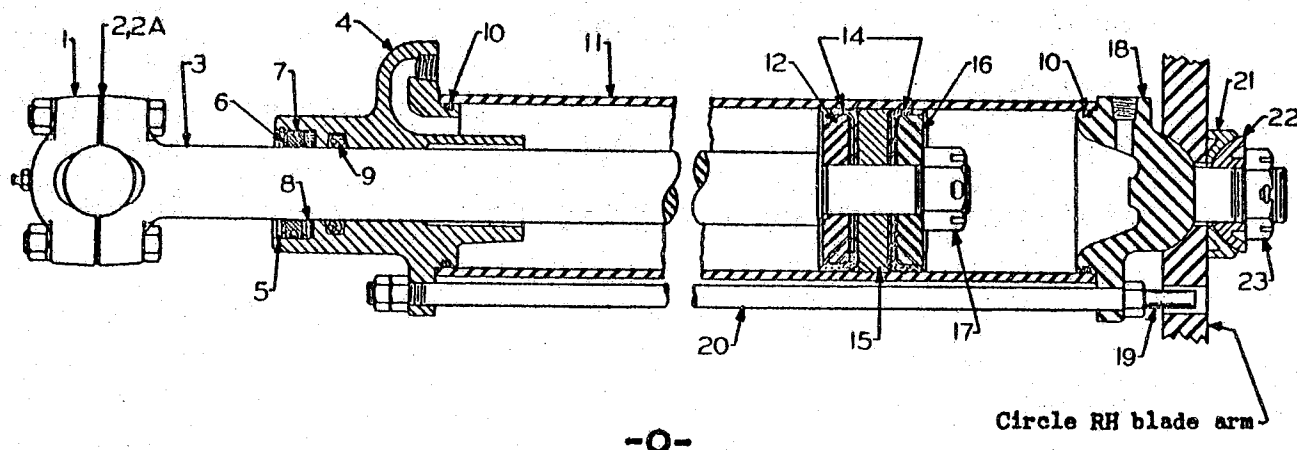


BLADE LIFT RAM

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8195	1	BLADE LIFT RAM GROUP - R.H. (includes Ref. Nos. 1 to 20A inclusive)
0A	PGU-8196	1	BLADE LIFT RAM GROUP - L.H. (includes Ref. Nos. 1 to 20A inclusive)
1	PGF-17256	1	BALL SOCKET - 2 halves
2A	PGF-10804	1	SPREADER
2D	PGF-11546	1	NUT, slotted
2E	166038	1	PIN, cotter
3A	PGF-11753	2	CUP
4	PG-A-320	1	PISTON
5B	PGF-11801	1	SPREADER, inner
5C	PGF-9648-16	1	"O" RING
7	PGF-16924	1	CYLINDER
8	PGF-19044	1	ROD, piston
9	PGF-10840	4	STUD
10	722007	4	NUT, hex

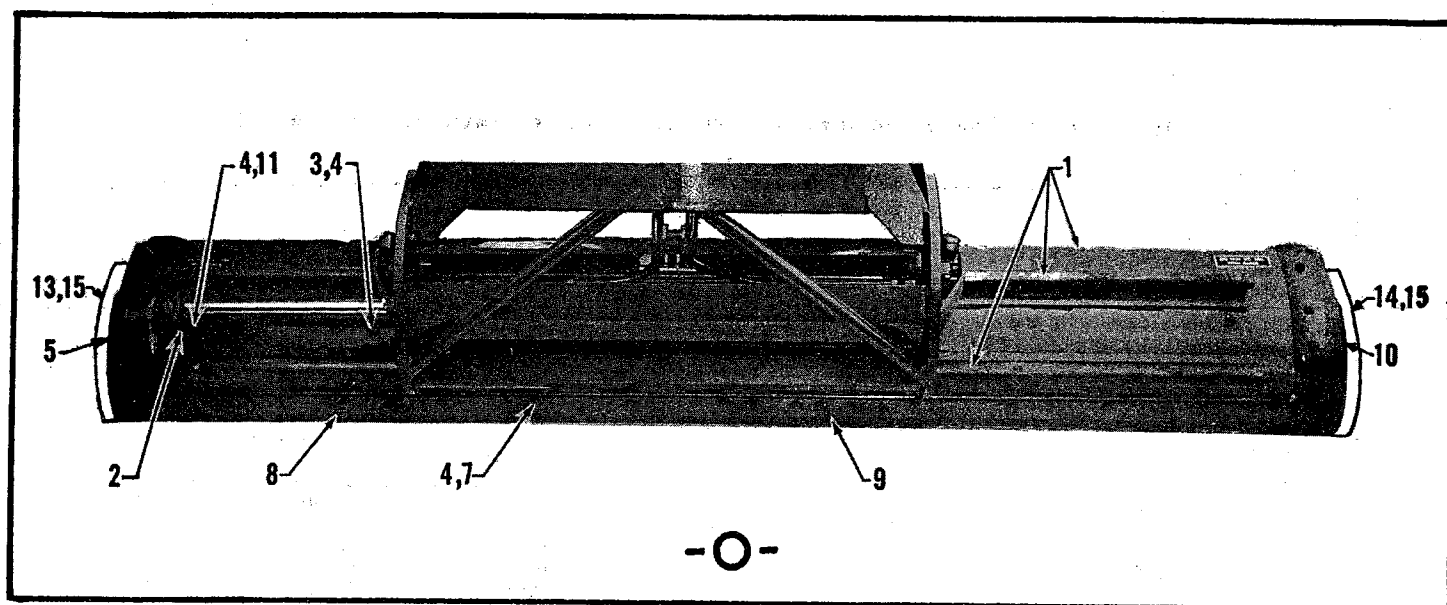
(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
10A	724007	4	PALNUT
11	PGF-9648-1	1	"O" RING
12	SP-A-76	1	HEAD
13	PGF-9648-29	1	"O" RING
14	SPF-1098	1	WASHER
15	SPF-1094	1	RING, snap
16	SPF-1122	1	FELT
17	PGF-9225	1	WIPER
19	PGF-19042	1	CAP, ball
19A	986318	2	BOLT, ball cap
20	MGF-1992	4	SHIM, ball cap (.024)
20A	PGF-11856	4	SHIM, ball cap (.010)
21	PGF-9245	1	PIN, pivot - long
22	PGF-9246	1	PIN, pivot - short
23	755148	2	SETSCREW, cup point



BLADE SIDE SHIFT RAM

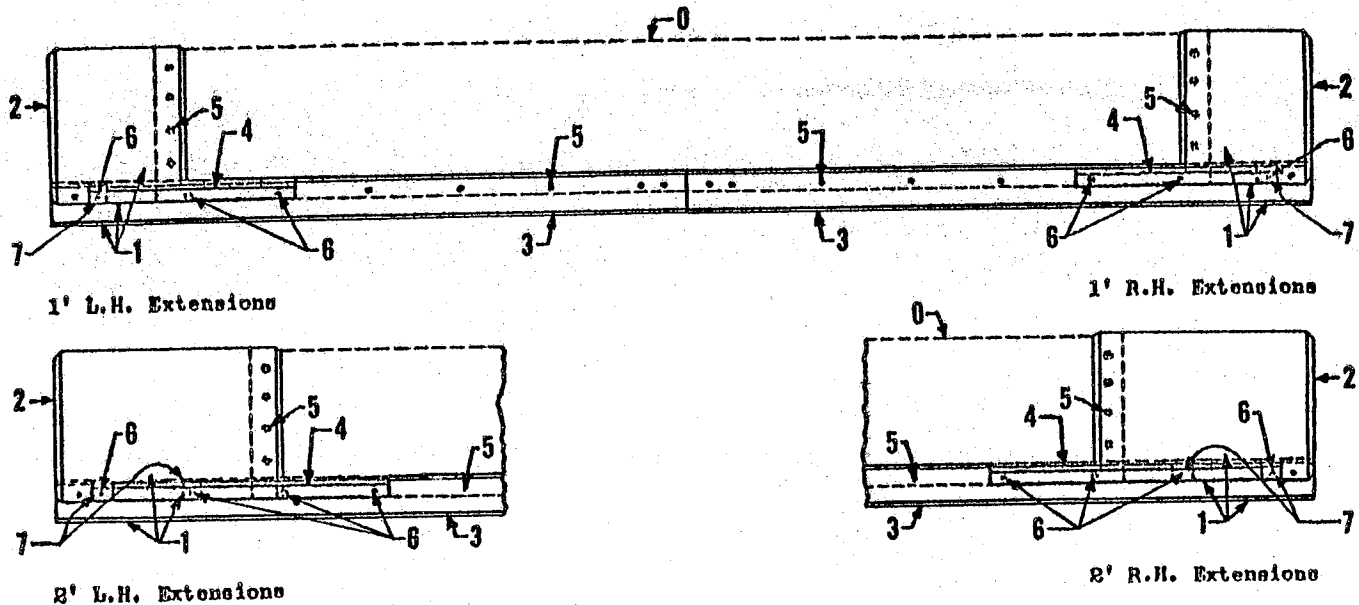
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8133	1	BLADE SIDE SHIFT RAM GROUP (includes Ref. Nos. 1 to 20 inclusive)
1	PGF-19042	1	CAP, ball
2	MGF-1992	4	SHIM, ball cap (.024)
2A	PGF-11856	4	SHIM, ball cap (.010)
3	PGF-19051	1	ROD, piston
4	PG-A-2001	1	HEAD
5	PGF-9420	1	RING, snap
6	RGF-1293	1	WASHER
7	PGF-1727	1	WIPER
8	PGF-10084	1	FELT
9	PGF-9648-30	1	"O" RING
10	PGF-9648-14	2	"O" RING
11	PGF-11081	1	CYLINDER
12	PGF-11083	1	SPREADER, inner
14	PGF-11774	2	CUP
15	PG-A-2003	1	PISTON
16	PGF-11082	1	SPREADER, outer
17	737012	1	NUT, slotted
18	PGP-11080	1	BASE WITH NUT (includes Ref. No. 23)
19	PGF-9419	1	ROD, tie - long
20	PGF-9415	3	ROD, tie
21	PG-889	1	SOCKET, ball
22	PG-890	1	PLATE, ball
23	PGF-3209	1	NUT, ball plate, slotted



12' BLADE AND PARTS

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8496	1	BLADE GROUP WITH BITS (includes Ref. Nos. 1 to 11 inclusive)
1	PGF-18171	1	BLADE GROUP LESS BITS
2	PGF-10538	1	SUPPORT, side shift ball
3	708785	3	PLUG BOLT
4	721007	30	NUT, hex
5	PGF-17503	1	BIT, end - L.H.
7	RGF-6462	24	BOLT, bit
8	RGF-2780-98	1	BIT OR CUTTING EDGE - L.H. (5/8" x 6" x 6')
9	RGF-2780-99	1	BIT OR CUTTING EDGE - R.H. (5/8" x 6" x 6')
10	PGF-17504	1	BIT, end - R.H.
11	708790	3	BOLT, ball support
13	PGF-15809	1	BIT, overlaid end - L.H. (special order)
14	PGF-15808	1	BIT, overlaid end - R.H. (special order)
15	RGF-6465	10	BOLT, overlaid bit

BLADE EXTENSIONS are provided to enlarge the usefulness of your machine for LIGHT WORK ONLY.



BLADE EXTENSIONS AND CUTTING EDGES

Extensions For 12' Welded Type Blade

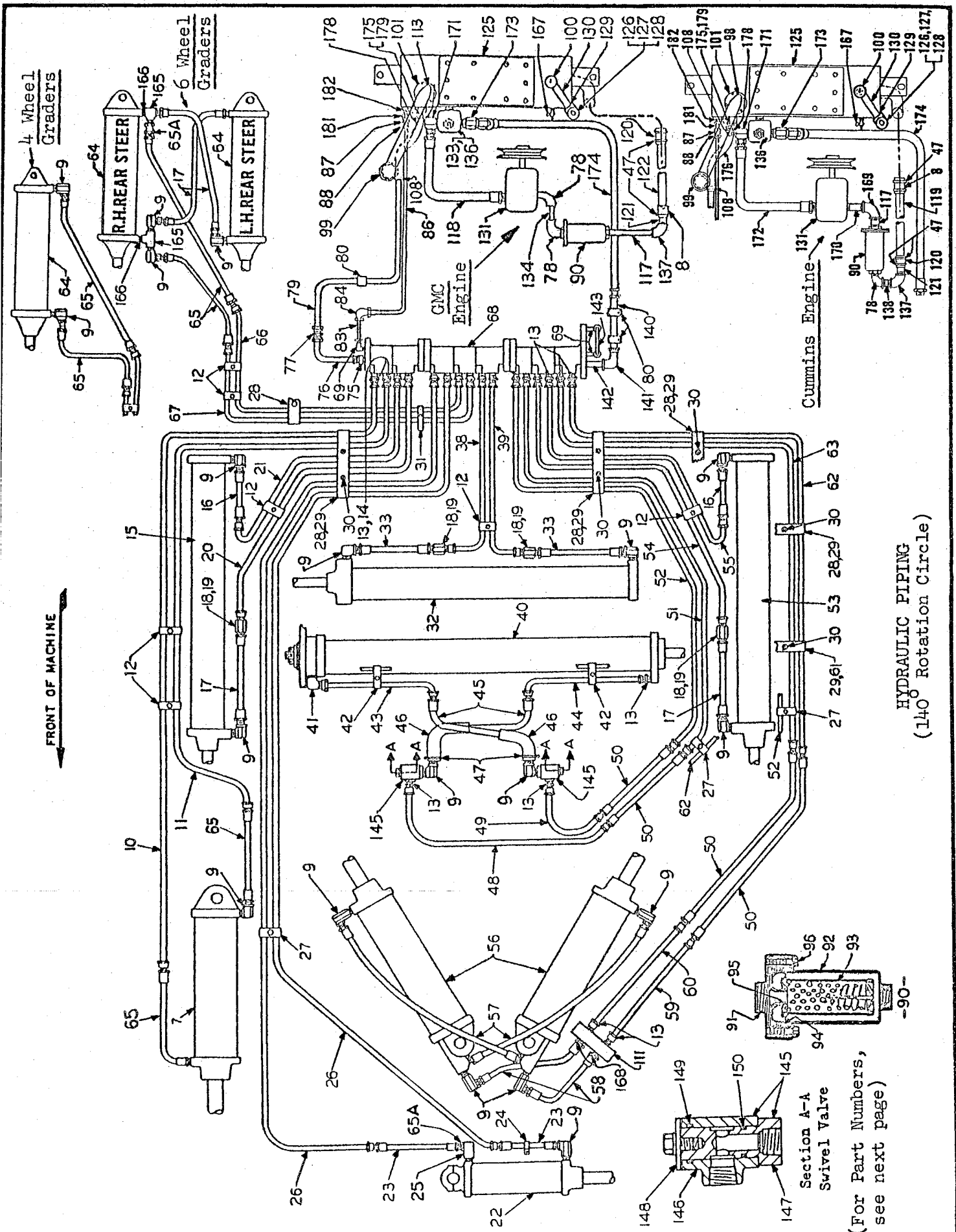
REF.	DESCRIPTION	QTY.	1' LH EXT.	2' LH EXT.	1' RH EXT.	2' RH EXT.
0	Blade	1				
1	Extension group	1	PGU-8499A	PGU-8501A	PGU-8498A	PGU-8500A
2	Extension only	1	PGF-17519	PGF-17526	PGF-17520	PGF-17527
3	Bit	1	* RGF-2764-98	% RGF-2778-98	* RGF-2764-99	% RGF-2778-99
4	Stiffener	1	PGF-18997	PGF-18996	PGF-18997	PGF-18996
5	Flow bolt	10	RGF-6461	RGF-6461	RGF-6461	RGF-6461
6	Flow bolt	3	RGF-6465		RGF-6465	
6	Flow bolt	4		RGF-6465		RGF-6465
7	Shim	2		@ PGF-17484		@ PGF-17484
7	Shim	1	@ PGF-17484		@ PGF-17484	

Note: * Indicates 5/8" x 6" x 7' bit or cutting edge.

% Indicates 5/8" x 6" x 8' bit or cutting edge.

@ Not used on Pacer 145 and 146.

Blade bits or cutting edges are always shipped less the necessary bolts and nuts for installation unless otherwise specified.



HYDRAULIC PIPING
(140° Rotation Circle)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
7		1	RAM, scarifier
8	WRF-1293	1	HOSE
9	PGF-12282-5	15	ELBOW
10	PGF-11026	1	TUBE
11	PGF-11027	1	TUBE
12	PGF-11680	5	CLAMP, pipe
13	PGF-10143-7	21	CONNECTOR
14	810003	2	PLUG (used only on machines not equipped with scarifier)
15		1	RAM, blade lift, R.H.
16	PGF-9445	2	HOSE, hydraulic (35-7/8" approx. length)
17	PGF-9444	4	HOSE, hydraulic (29-1/8" approx. length)
18	PGF-9455	4	BODY, check valve
19	PGF-9454	4	POPPET, check valve
20	PGF-11028	1	TUBE
21	PGF-11044	1	TUBE
22		1	RAM, front steer
23	PGF-11067	2	HOSE, hydraulic (41" approx. length)
24	PGF-9960	1	CLIP
25	PGF-10104-4	1	ELBOW
26	PGF-11051	2	TUBE
27	PGF-9529	5	CLAMP
28	PGF-16631	5	CLAMP
29	PGF-9532	5	PLATE, spacer
30	PGF-10216	10	STUD
31	PGF-9527	1	CLAMP
32		1	RAM, high lift
33	PGF-10773	2	HOSE, hydraulic (53" approx. length)
38	PGF-11073	1	TUBE
39	PGF-11075	1	TUBE
40		1	RAM, blade side shift
41	PGF-10144-7	1	ELBOW
42	PGF-11626	2	CLAMP
43	PGF-11035	1	TUBE
44	PGF-11036	1	TUBE
45	PGF-9788	2	HOSE, hydraulic (24-1/2" approx. length)
46	PGF-6916	2	HOSE (protection for Ref. No. 45)
47	034014	6	CLAMP, hose
48	PGF-11072	1	TUBE
49	PGF-11071	1	TUBE
50	PGF-9446	4	HOSE, hydraulic (42-1/2" approx. length)
51	PGF-11037	1	TUBE
52	PGF-11033	1	TUBE
53		1	RAM, blade lift, L.H.
54	PGF-11052	1	TUBE
55	PGF-11042	1	TUBE
56		2	RAM, circle reverse
57	TF-1619	2	HOSE, hydraulic (38-1/4" approx. length)
58	PGF-15885	2	HOSE, hydraulic (14" approx. length)
59	PGF-11049	1	TUBE

Note: Hydraulic hose dimensions given are overall lengths including end fittings.

(continued)

(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
60	PGF-11050	1	TUBE
61	PGF-9531	1	CLAMP
62	PGF-11039	1	TUBE
63	PGF-11055	1	TUBE
64			RAM, rear steer
65	PGF-9442	2	HOSE, hydraulic (22" approx. length)
65A	HCF-1568-6	2	CONNECTOR
66	PGF-14270	1	TUBE
67	PGF-14269	1	TUBE
68		1	VALVE BANK
69	PGF-10144-5	3	ELBOW
75	PGF-10143-8	1	CONE
76	PGF-11038	1	TUBE
77	PGF-9812-8	1	UNION
78	563006	1	ELBOW (2 required on GMC)
79	PGF-19287	1	TUBE
80	PGF-9522	4	CLIP
83	PGF-19285	1	TUBE
84	PGF-10161-5	1	ELBOW
86	PGF-19286	1	TUBE
87	PGF-12412	1	HOSE
88	034105	2	CLAMP, hose
90	PGF-18770	1	STRAINER (includes Ref. Nos. 91 to 96 inclusive)
91	060030	1	HEAD
92	060031	1	HOUSING
93	060032	1	FILTER ELEMENT (includes Ref. No. 95)
94	060033	1	"O" RING
95	060034	1	"O" RING (included in Ref. No. 93)
96	060035	4	BOLT
98	PGF-18727	1	SCREEN
99	PGF-9374	1	CAP
100	563003	1	ELBOW
101	PGF-16390	1	GASKET
108	034012	2	CLAMP, hose
111	HCF-6059	1	VALVE, cushion
113	PGF-16840	1	SCREEN
117	532240	1	NIPPLE
118	HCF-7509	1	HOSE, hydraulic (36-1/2" approx. length)
119	PGF-17299	1	TUBE
120	PGF-14858	1	HOSE
121	PGF-3815	1	PIPE
122	PGF-18313	1	TUBE
123	PGF-17732	1	CLAMP, side shift hose (not shown)
125	PGF-16858	1	HYDRAULIC TANK
126	PGF-14757	1	BREATHER ASSEMBLY
127	525003	1	COUPLING
128	532102	1	NIPPLE
129	522003	1	ELBOW
130	532113	1	NIPPLE
131		1	PUMP, hydraulic oil (see separate page)
133	PGF-12292-4	1	TEE

Note: Hydraulic hose dimensions given are overall lengths including end fittings.

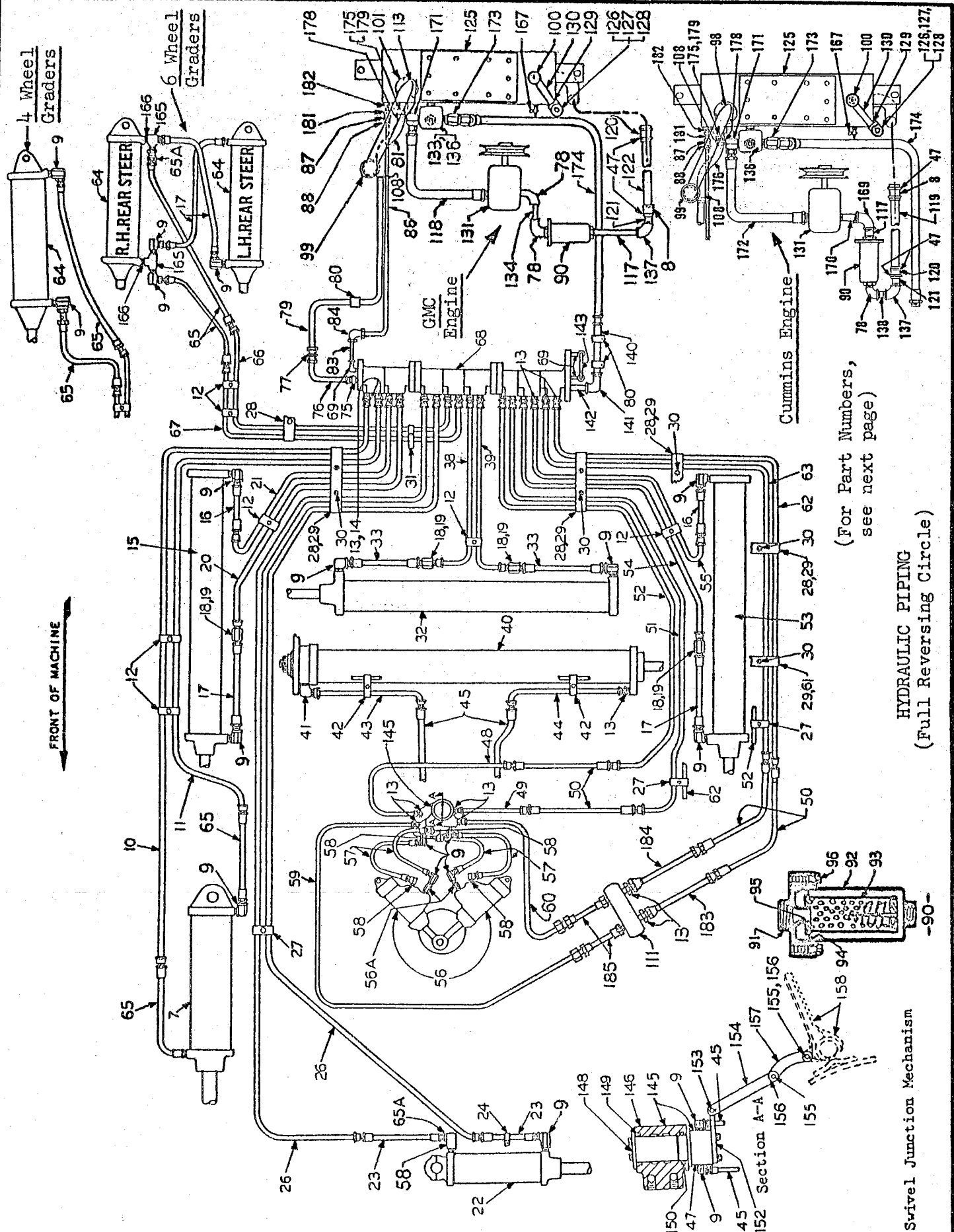
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REF. NO.	PART NO.	QUANTITY	DESCRIPTION
134	532246	1	NIPPLE
136		1	VALVE, relief (see separate page)
137	523067	1	ELBOW, reducer
138	532227	1	NIPPLE
140	PGF-14640	1	TUBE
141	PGF-10145-8	1	ELBOW
142	PGF-11690	1	NIPPLE
143	PGF-11054	1	TUBE
145	PGP-1941	2	VALVE, swivel (includes Ref. Nos. 146 and 147)
146		1	* BODY
147		1	* SPOOL
148	PGF-10820	2	WASHER
149	PGF-9648-3	2	"O" RING
150	PGF-9648-26	2	"O" RING
165	PGF-12290-2	2	TEE
166	530139	2	NIPPLE
167	ASF-5766	1	PETCOCK
168	PGF-12287-4	2	FITTING, swivel
169	522006	1	ELBOW
170	532232	1	NIPPLE
171	PGF-12282-7	1	ELBOW
172	PGF-16443	1	HOSE, hydraulic (18" approx. length)
173	PGF-12287-5	1	ELBOW, swivel
174	PGF-17279	1	HOSE, hydraulic (54-1/2" approx. length)
175	564005	1	ELBOW, street
176	PGF-16442	1	HOSE
178	533143	1	NIPPLE
179	526010	1	REDUCER
181	533004	1	NIPPLE
182	526001	1	REDUCER

Note: Hydraulic hose dimensions given are overall lengths including end fittings.

* Indicates parts not sold separately. Order Ref. No. 145, PGP-1941 swivel valve group.



HYDRAULIC PIPING
(Full Reversing Circle)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
7		1	RAM, scarifier
8	WRF-1293	1	HOSE
9	PGF-12282-5	15	ELBOW
10	PGF-11026	1	TUBE
11	PGF-11027	1	TUBE
12	PGF-11680	5	CLAMP, pipe
13	PGF-10143-7	21	CONNECTOR
14	810003	2	PLUG (used only on machines not equipped with scarifier)
15		1	RAM, blade lift, R.H.
16	PGF-9445	2	HOSE, hydraulic (35-7/8" approx. length)
17	PGF-9444	4	HOSE, hydraulic (29-1/8" approx. length)
18	PGF-9455	4	BODY, check valve
19	PGF-9454	4	POPPET, check valve
20	PGF-11028	1	TUBE
21	PGF-11044	1	TUBE
22		1	RAM, front steer
23	PGF-11067	2	HOSE, hydraulic (41" approx. length)
24	PGF-9960	1	CLIP
26	PGF-11051	2	TUBE
27	PGF-9529	5	CLAMP
28	PGF-16631	5	CLAMP
29	PGF-9532	5	PLATE, spacer
30	PGF-10216	10	STUD
31	PGF-9527	1	CLAMP
32		1	RAM, high lift
33	PGF-10773	2	HOSE, hydraulic (53" approx. length)
38	PGF-11073	1	TUBE
39	PGF-11075	1	TUBE
40		1	RAM, blade side shift
41	PGF-10144-7	1	ELBOW
42	PGF-11626	2	CLAMP
43	PGF-10491	1	TUBE
44	PGF-11481	1	TUBE
45	PGF-10490	2	HOSE, hydraulic (31-3/8" approx. length)
47	034014	4	CLAMP, hose
48	PGF-17202	1	TUBE
49	PGF-17203	1	TUBE
50	PGF-9446	4	HOSE, hydraulic (42-1/2" approx. length)
51	PGF-11037	1	TUBE
52	PGF-11033	1	TUBE
53		1	RAM, blade lift, L.H.
54	PGF-11052	1	TUBE
55	PGF-11042	1	TUBE
56		1	HYDRAULIC MOTOR (circle reverse)
56A	PGF-10893	2	CONNECTION
57	PGF-9441	4	HOSE, hydraulic (19" approx. length)
58	PGF-10104-4	5	CONNECTOR
59	PGF-17201	1	TUBE
60	PGF-17200	1	TUBE

Note: Hydraulic hose dimensions given are overall lengths including end fittings.

(continued)

(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
61	PGF-9531	1	CLAMP
62	PGF-11039	1	TUBE
63	PGF-11055	1	TUBE
64			RAM, rear steer
65	PGF-9442	2	HOSE, hydraulic (22" approx. length)
65A	HCF-1568-6	2	CONNECTOR
66	PGF-14270	1	TUBE
67	PGF-14269	1	TUBE
68		1	VALVE BANK
69	PGF-10144-5	3	ELBOW
75	PGF-10143-8	1	CONNECTOR
76	PGF-11038	1	TUBE
77	PGF-9812-8	1	UNION
78	563006	1	ELBOW (2 required on GMC)
79	PGF-19287	1	TUBE
80	PGF-9522	4	CLIP
83	PGF-19285	1	TUBE
84	PGF-10161-5	1	ELBOW
86	PGF-19286	1	TUBE
87	PGF-12412	1	HOSE
88	034105	2	CLAMP, hose
90	PGF-18770	1	STRAINER (includes Ref. Nos. 91 to 96 inclusive)
91	060030	1	HEAD
92	060031	1	HOUSING
93	060032	1	FILTER ELEMENT (includes Ref. No. 95)
94	060033	1	"O" RING
95	060034	1	"O" RING (included in Ref. No. 93)
96	060035	4	BOLT
98	PGF-18727	1	SCREEN
99	PGF-9374	1	CAP
100	563003	1	ELBOW
101	PGF-16390	1	GASKET
108	034012	2	CLAMP, hose
111	HCF-6059	1	VALVE, cushion
113	PGF-16840	1	SCREEN
117	532240	1	NIPPLE
118	HCF-7509	1	HOSE, hydraulic (36-1/2" approx. length)
119	PGF-17299	1	TUBE
120	PGF-14858	1	HOSE
121	PGF-3815	1	PIPE
122	PGF-18313	1	TUBE
123	PGF-17732	1	CLAMP, side shift hose (not shown)
125	PGF-16858	1	HYDRAULIC TANK
126	PGF-14757	1	BREATHER ASSEMBLY
127	525003	1	COUPLING
128	532102	1	NIPPLE
129	522003	1	ELBOW
130	532113	1	NIPPLE
131		1	PUMP, hydraulic oil (see separate page)
133	PGF-12292-4	1	TEE
134	532246	1	NIPPLE

Note: Hydraulic hose dimensions given are overall lengths including end fittings.

(continued)

(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
136		1	VALVE, relief (see separate page)
137	523067	1	ELBOW, reducer
138	532227	1	NIPPLE
140	PGF-14640	1	TUBE
141	PGF-10145-8	1	ELBOW
142	PGF-11690	1	NIPPLE
143	PGF-11054	1	TUBE
145	PGP-1813	1	VALVE, swivel (includes Ref. Nos. 146 and 147)
146		1	* BODY
147		1	* SPOOL
148	PGF-8989	1	WASHER
149	PGF-9648-2	1	"O" RING
150	PGF-9648-6	1	"O" RING
152	PGF-9413	1	PLATE
153	PGF-9414	1	PIN
154	PGF-9751	1	LINK
155	PGF-13175	4	PIN
156	PGF-5930	2	WASHER
156A	PGF-17902	2	WASHER
157	PGF-10503	1	CONNECTOR
158			ARM, tilt (see separate page)
165	PGF-12290-2	2	TEE
166	530139	2	NIPPLE
167	ASF-5766	1	PETCOCK
169	522006	1	ELBOW
170	532232	1	NIPPLE
171	PGF-12282-7	1	ELBOW
172	PGF-16443	1	HOSE, hydraulic (18" approx. length)
173	PGF-12287-5	1	ELBOW, swivel
174	PGF-17279	1	HOSE, hydraulic (54-1/2" approx. length)
175	564005	1	ELBOW, street
176	PGF-16442	1	HOSE
178	533143	1	NIPPLE
179	526010	1	REDUCER
181	533004	1	NIPPLE
182	526001	1	REDUCER
183	PGF-17198	1	TUBE
184	PGF-17199	1	TUBE
185	PGF-10517	2	HOSE, hydraulic (11-7/8" approx. length)

Note: Hydraulic hose dimensions given are overall lengths including end fittings.

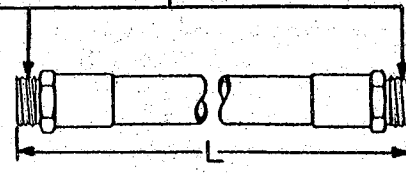
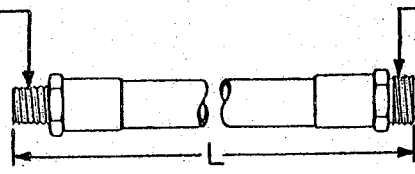
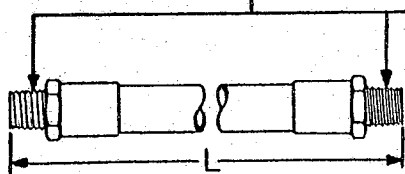
* Indicates parts not sold separately. Order Ref. No. 145, PGP-1813 swivel valve group.

FACTORY ATTACHED CONNECTIONS

Note: In ordering hose always be governed by the overall length. See (L)

1/2"-14 NPTF FOR 1/2" HYD. HOSE
3/4"-14 NPTF FOR 3/4" HYD. HOSE

15/16"-16UN THD. FOR 1/2" HYD. HOSE
1-1/16"-16UN THD. FOR 3/4" HYD. HOSE

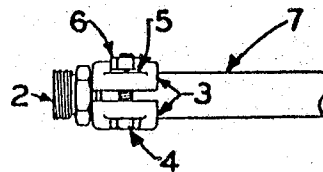
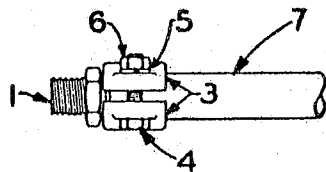


1/2" I.D. HYD. HOSE

1/2" I.D. HYD. HOSE

1/2" I.D. HYD. HOSE

Length (L)	Part No.	Length (L)	Part No.	Length (L)	Part No.
14"	PGF-15885	11-7/8"	PGF-10517	42-1/2"	PGF-9446
19"	PGF-9441	22"	PGF-9442		
29-1/8"	PGF-9444	24-1/2"	PGF-9788		
38-1/4"	TF-1619	31-3/8"	PGF-10490		
53"	PGF-10773	35-7/8"	PGF-9445		
		41"	PGF-11067		
3/4" I.D. HYD. HOSE		3/4" I.D. HYD. HOSE		3/4" I.D. HYD. HOSE	
18"	PGF-16443	54-1/2"	PGF-17279		
36-1/2"	HCF-7509				



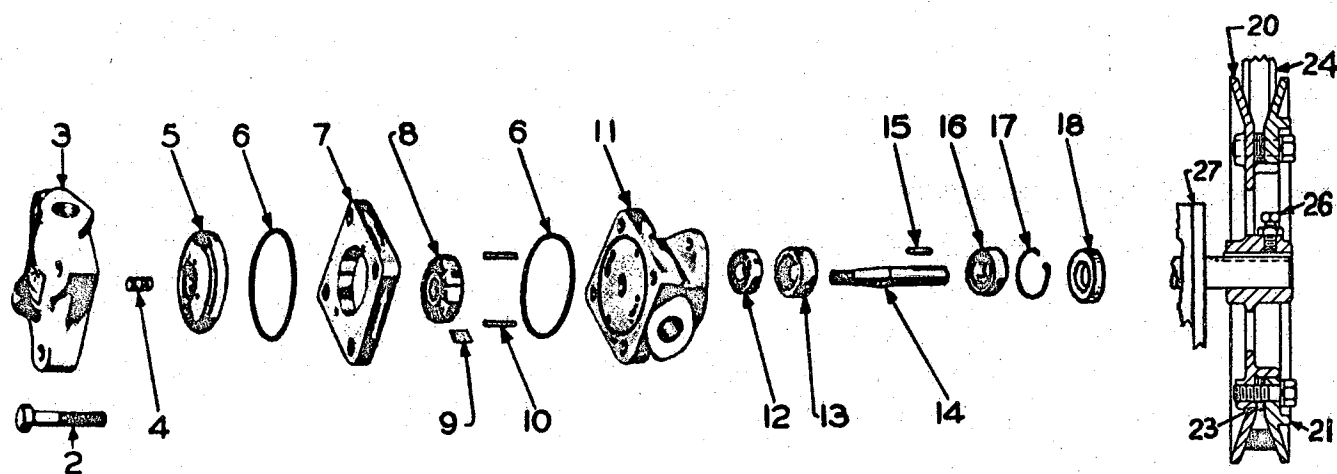
Field Service Hydraulic Hose and Connections

REF. NO.	PART NO. (1/2" I.D. HOSE)	PART NO. (3/4" I.D. HOSE)	QTY. PER HOSE END	DESCRIPTION
1	HCF-368 (1/2"-14 NPTF)	HCF-334 (3/4"-14 NPTF)	1	Stem
2	PGF-9946 (15/16"-16UN THD.)	PGF-9945 (1-1/16"-16UN THD.)	1	Stem
3	PGF-2077	HC-47	2	Clamp
4	742166	742323	2	Cap screw
5	778010	778011	2	Lock washer
6	722002	722003	2	Hex nut
7	1/2" I.D.	3/4" I.D.		Hydraulic hose-specify length wanted

Make up your own hose by keeping a supply of hydraulic hose (in random length) and hose clamps on hand. To determine length of hose required, measure the overall length of the hose you wish to duplicate and deduct 2". Cut hose with a high speed hacksaw blade having 18 to 24 teeth per inch.

HYDRAULIC HOSE CHART

Figure 1. The research framework of the study. The research framework of the study is presented in Figure 1. The framework shows the relationships between the variables and the research objectives. The variables are: *Perceived ease of use*, *Perceived usefulness*, *Perceived security*, *Perceived privacy*, *Perceived trust*, *Perceived risk*, *Perceived benefit*, *Perceived cost*, *Perceived effort*, *Perceived time*, *Perceived convenience*, *Perceived satisfaction*, *Perceived loyalty*, *Perceived adoption*, *Perceived usage*, *Perceived performance*, *Perceived quality*, *Perceived reliability*, *Perceived security*, *Perceived privacy*, *Perceived trust*, *Perceived risk*, *Perceived benefit*, *Perceived cost*, *Perceived effort*, *Perceived time*, *Perceived convenience*, *Perceived satisfaction*, *Perceived loyalty*, *Perceived adoption*, *Perceived usage*, *Perceived performance*, *Perceived quality*, *Perceived reliability*. The research objectives are: *To investigate the factors that influence the adoption of mobile banking*, *To investigate the factors that influence the usage of mobile banking*, *To investigate the factors that influence the performance of mobile banking*, *To investigate the factors that influence the quality of mobile banking*, *To investigate the factors that influence the reliability of mobile banking*.



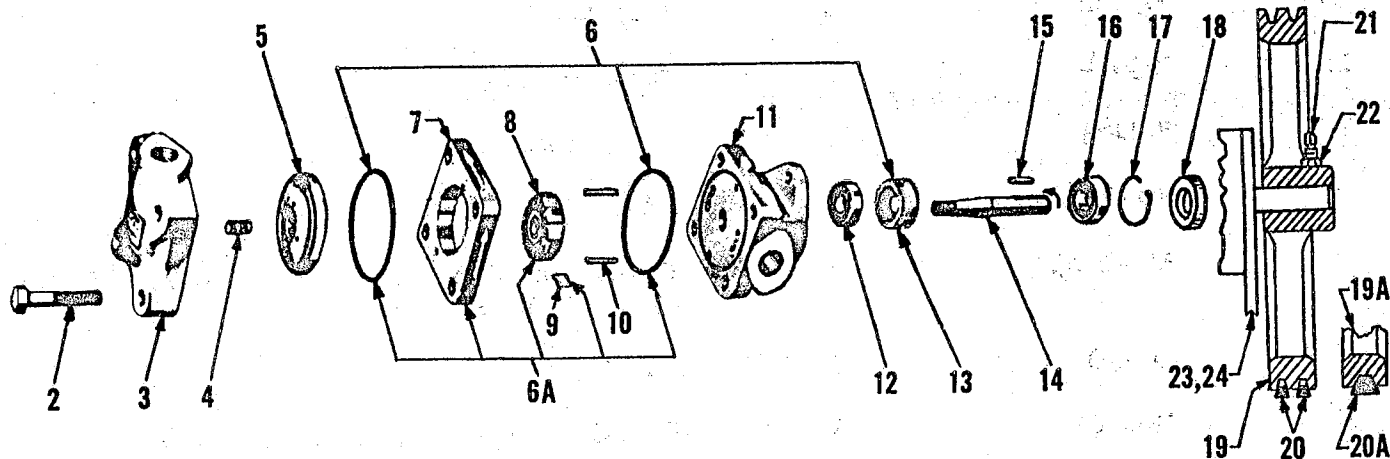
HYDRAULIC PUMP AND PULLEY (VICKERS)
(superseded)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGUS-9213	1	PULLEY GROUP (includes Ref. Nos. 20, 21, 23 and 26)-(for GMC engine)
1	PGF-17232	1	PUMP GROUP (includes Ref. Nos. 2 to 17 inclusive)
2	503201	4	CAPSCREW
3	503116	1	COVER
4	503087	1	SPRING
5	503380	1	PLATE, pressure
6	503145	2	SEAL
7	503426	1	RING
8	503369	1	ROTOR
9	503172	1	VANE KIT (12 vanes)
10	503192	2	PIN
11	503098	1	BODY
12	503008	1	BEARING, ball
13	503531	1	SEAL, oil
14	503093	1	SHAFT

(continued)

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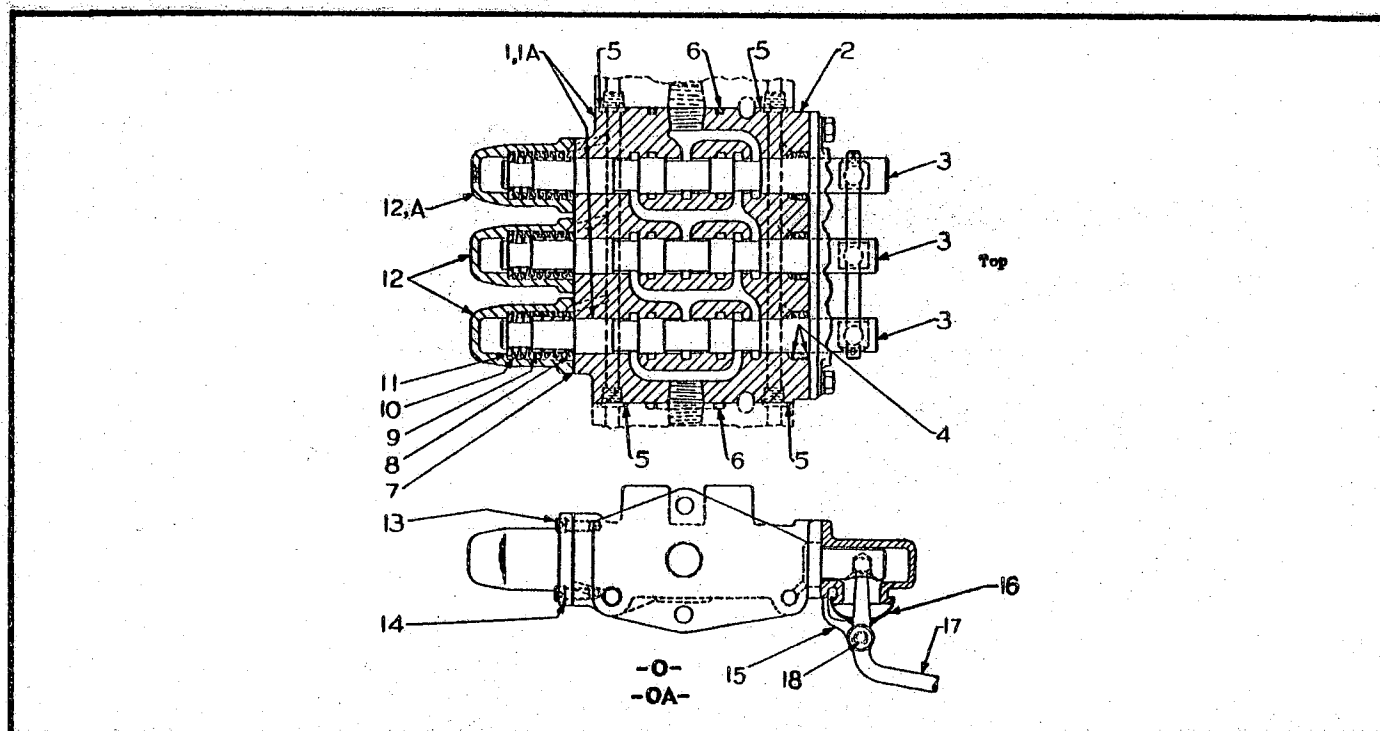
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
15	503032	1	KEY, shaft
16	503064	1	BEARING, ball
17	503083	1	RING, snap
18	PGF-13623	1	FELT
19	PGF-16833	1	PULLEY (on Pacer 145, 245 - Super 165, 265 with Cummins engine)
20	PG-1907	1	FLANGE, pulley - inner (for GMC engine)
21	PG-1908	1	FLANGE, pulley - outer (for GMC engine)
22	PGF-15156	1	"V" BELT (on Pacer 145, 245 - Super 165, 265 with Cummins engine)
23	PGF-10478	As req'd	SHIM (for GMC engine)
24	PGF-15154	1	"V" BELT (for GMC engine)
25	755053	1	SETSCREW, cup point (on Pacer 145, 245 - Super 165, 265 with Cummins engine)
26	755030	1	SETSCREW, cup point (for GMC engine)
27		1	SUPPORT, pump (for GMC engine) - (see engine front support)
28	PGF-16034	1	PLATE, support, pump (for Cummins engine)
28A	PGF-16949	1	SPACER, pump support (for Cummins engine) - (not shown)



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HYDRAULIC PUMP AND PULLEY (VICKERS)

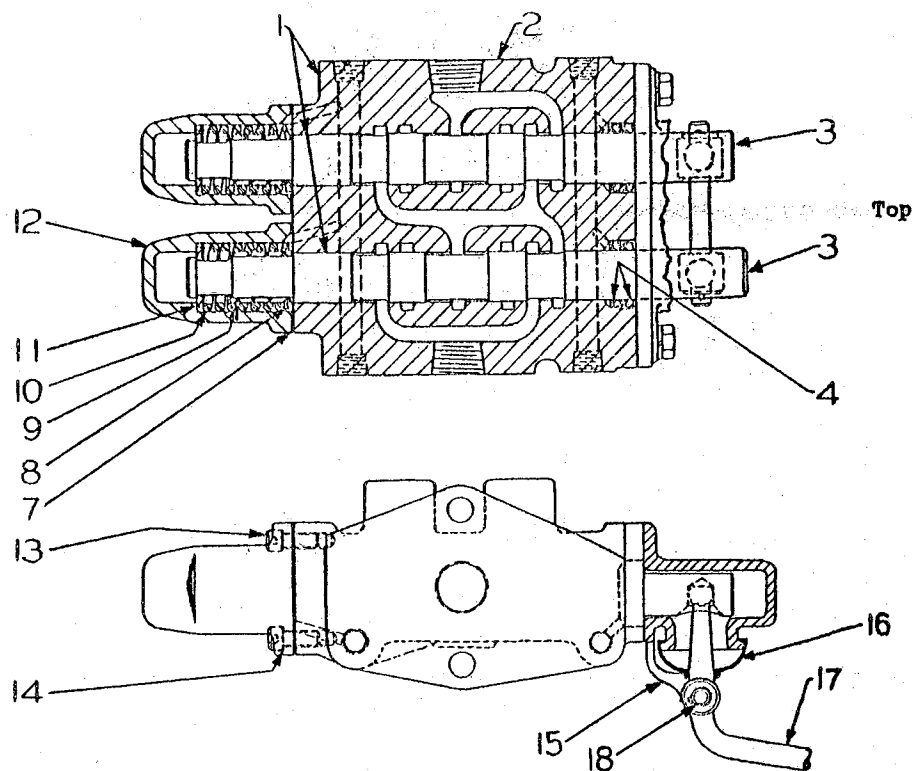
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-17943	1	HYDRAULIC PUMP GROUP Model V-210-9-1A-12-S63 (includes Ref. Nos. 2 to 17 inclusive)
2	503201	4	CAPSCREW
3	503116	1	COVER
4	503087	1	SPRING
5	503380	1	PLATE, pressure
6	503488	1	GASKET KIT
6A	503490	1	CARTRIDGE KIT
7	503489	1	RING
8	503369	1	ROTOR
9	503172	1	VANE KIT (12 vanes)
10	503192	2	PIN
11	503586	1	BODY
12	503008	1	BEARING, ball
13	503531	1	SEAL, oil
14	503093	1	SHAFT
15	503032	1	KEY, shaft
16	503064	1	BEARING, ball
17	503083	1	RING, snap
18	PGF-13623	1	FELT
19	PGF-18772	1	PULLEY (GMC engine)
19A	PGF-18922	1	PULLEY (Cummins engine)
20	PGF-18292	1 Set	"V" BELT (GMC engine)
20A	PGF-15156	1	"V" BELT (Cummins engine)
21	755123	1	SETSCREW, cup point
22	733005	1	NUT
23	PGF-18291	1	SUPPORT, pump (GMC engine)
24	PGF-19023	1	SUPPORT, pump (Cummins engine)



HYDRAULIC CONTROL TRIPLE VALVE

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
	FGU-9306-A	1	VALVE BANK GROUP (consists of one each FGU-9607-A, FGU-9683 and FGU-9682 bolted together)
0	FGU-9683	1	TRIPLE VALVE ASSEMBLY - END (includes Ref. Nos. 1A, 4 and 7 to 16 inclusive except Ref. 12A)
0A	FGU-9682	1	TRIPLE VALVE ASSEMBLY - CENTER (includes Ref. Nos. 1, 4 and 7 to 16 inclusive except 2 only of Ref. 12)
1	FGPA-1931-72	1	BODY WITH TRIPLE VALVE PLUGS - CENTER (includes Ref. Nos. 2 and 3)
1A	FGPA-1931-74	1	BODY WITH TRIPLE VALVE PLUGS - END (includes Ref. Nos. 2 and 3)
2		1	* BODY, valve
3		3	* PLUG, valve (movable)
4	HCF-5980	6	SEAL, oil
5	FGF-9648-25	4	"O" RING
6	FGF-9648-2	2	"O" RING
7	ASF-5105	3	GASKET, valve spring cap
8	FGF-8785	3	WASHER
9	FGF-8781	3	SLEEVE
10	FGF-15988	3	SPRING, valve
11	FGF-8780	3	WASHER
12	AS-1010	3 & 2	CAP, valve spring
12A	PG-2416	1	CAP, valve spring (in Ref. 0A)
13	819133	12	CAPSCREW, hollow head
14	HCF-373	12	WASHER, capscREW
15	PG-2350	1	BRACKET, valve lever
16	FGF-15741	3	BOOT
17			LEVER, control (see separate page)
18	FGF-10105	1	PIN

Note: * Indicates parts not sold separately. Order Ref. 1, FGPA-1931-72 or Ref. 1A, FGPA-1931-74, body with triple valve plugs, from your nearest BLH Austin-Western Distributor.

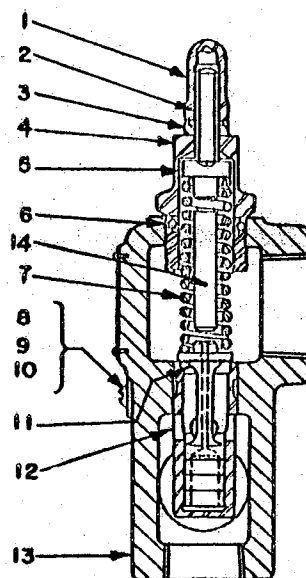


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HYDRAULIC CONTROL TWIN VALVE

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
	FGU-9306-A	1	VALVE BANK GROUP (consists of one each FGU-9607-A, FGU-9683 and FGU-9682 bolted together)
OB	FGU-9607-A	1	TWIN VALVE ASSEMBLY (includes Ref. Nos. 1 and 4 to 16 inclusive)
1	FGPA-1930-73	1	BODY WITH TWIN VALVE PLUGS (includes Ref. Nos. 2 and 3)
2		1	* BODY, valve
3		2	* PLUG, valve (movable)
4	HCF-5980	4	SEAL, oil
7	ASF-5105	2	GASKET, valve spring cap
8	PGF-8785	2	WASHER
9	PGF-8781	2	SLEEVE
10	PGF-15988	2	SPRING, valve
11	PGF-8780	2	WASHER
12	AS-1010	2	CAP, valve spring
13	819133	8	CAPSCREW, hollow head
14	HCF-373	8	WASHER, capscrew
15	PG-2349	1	BRACKET, valve lever
16	PGF-15741	2	BOOT
17			LEVER, control (see separate page)
18	ASF-5109	1	PIN

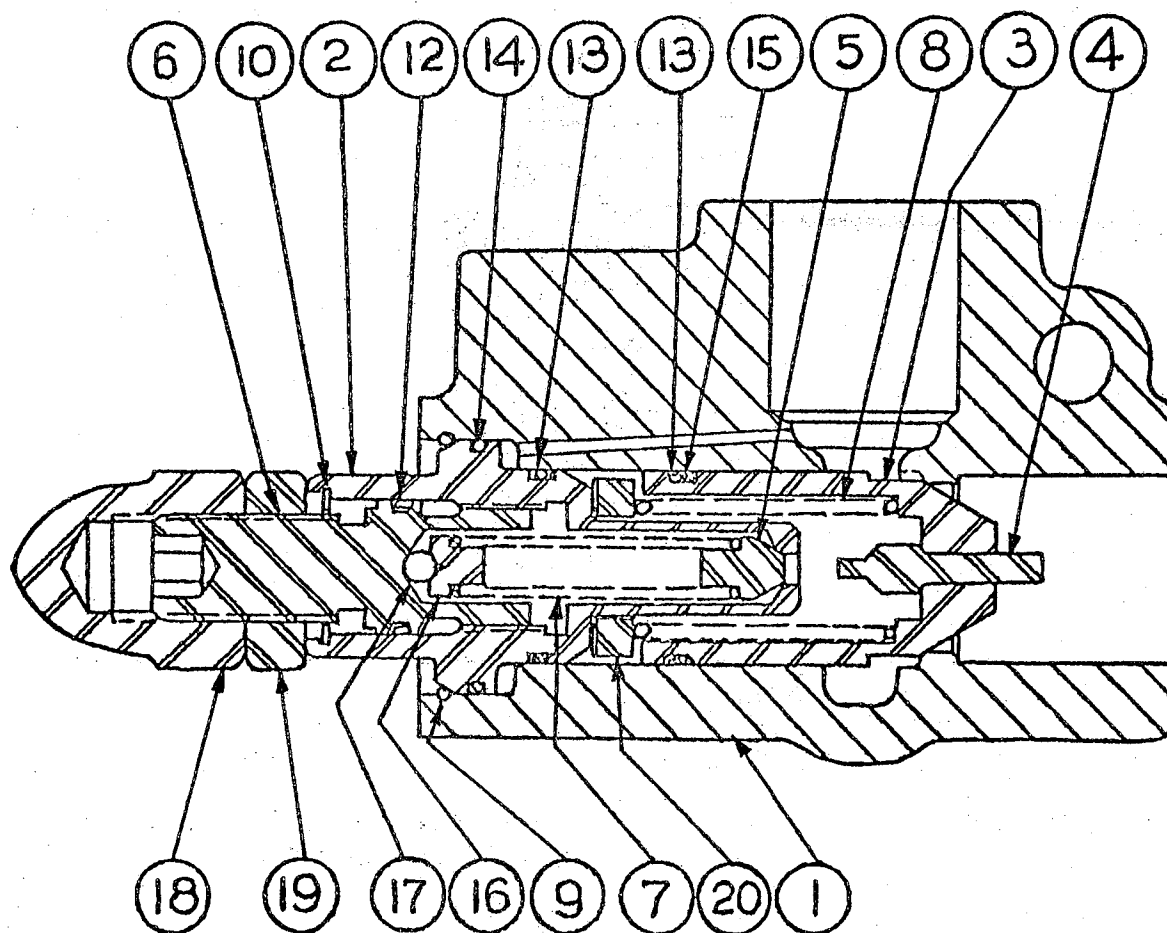
Note: * Indicates parts not sold separately. Order Ref. 1, FGPA-1930-73, body with twin valve plugs, from your nearest BLH Austin-Western Distributor.



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HYDRAULIC RELIEF VALVE

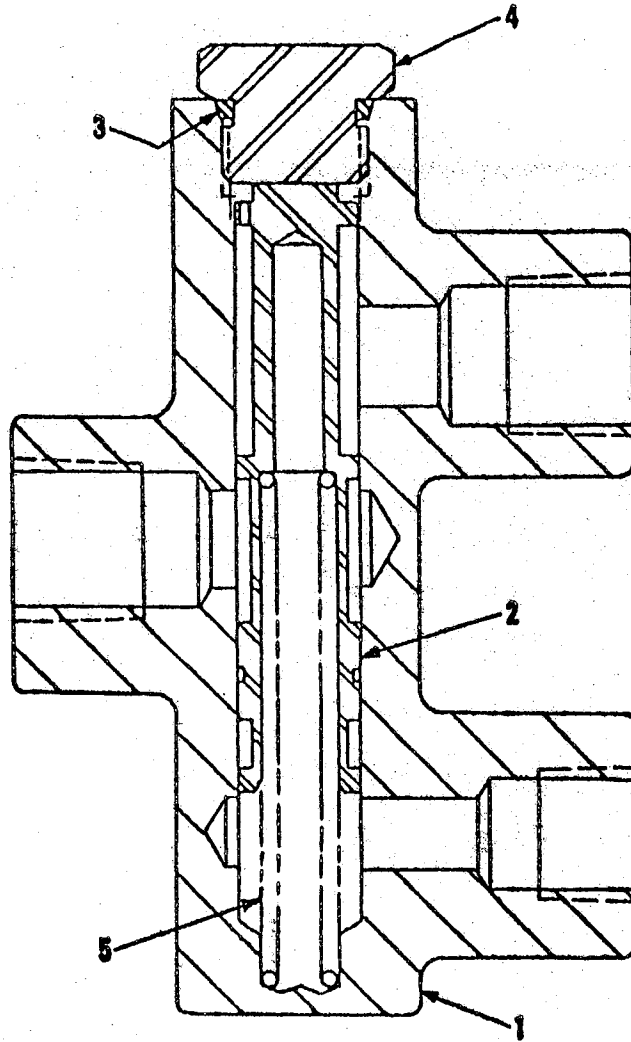
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	HCF-4825	1	RELIEF VALVE GROUP (includes Ref. Nos. 1 to 14 inclusive)
1	513044	1	NUT, acorn
2	513031	1	SCREW, adjusting
3	513033	1	NUT, jam
4	513049	1	CAP, valve
5	513042	1	GUIDE, spring
6	513038	1	RING, seal
7	513214	1	SPRING, valve
8	513065	1	SETSCREW
9	513061	1	SCREW, machine
10	513062	1	GASKET
11	513041	1	PLUNGER, valve
12	513063	1	SEAT, valve
13	513216	1	HOUSING, valve
14	513215	1	PIN



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HYDRAULIC RELIEF VALVE
(Effective Machine R-100-5454)

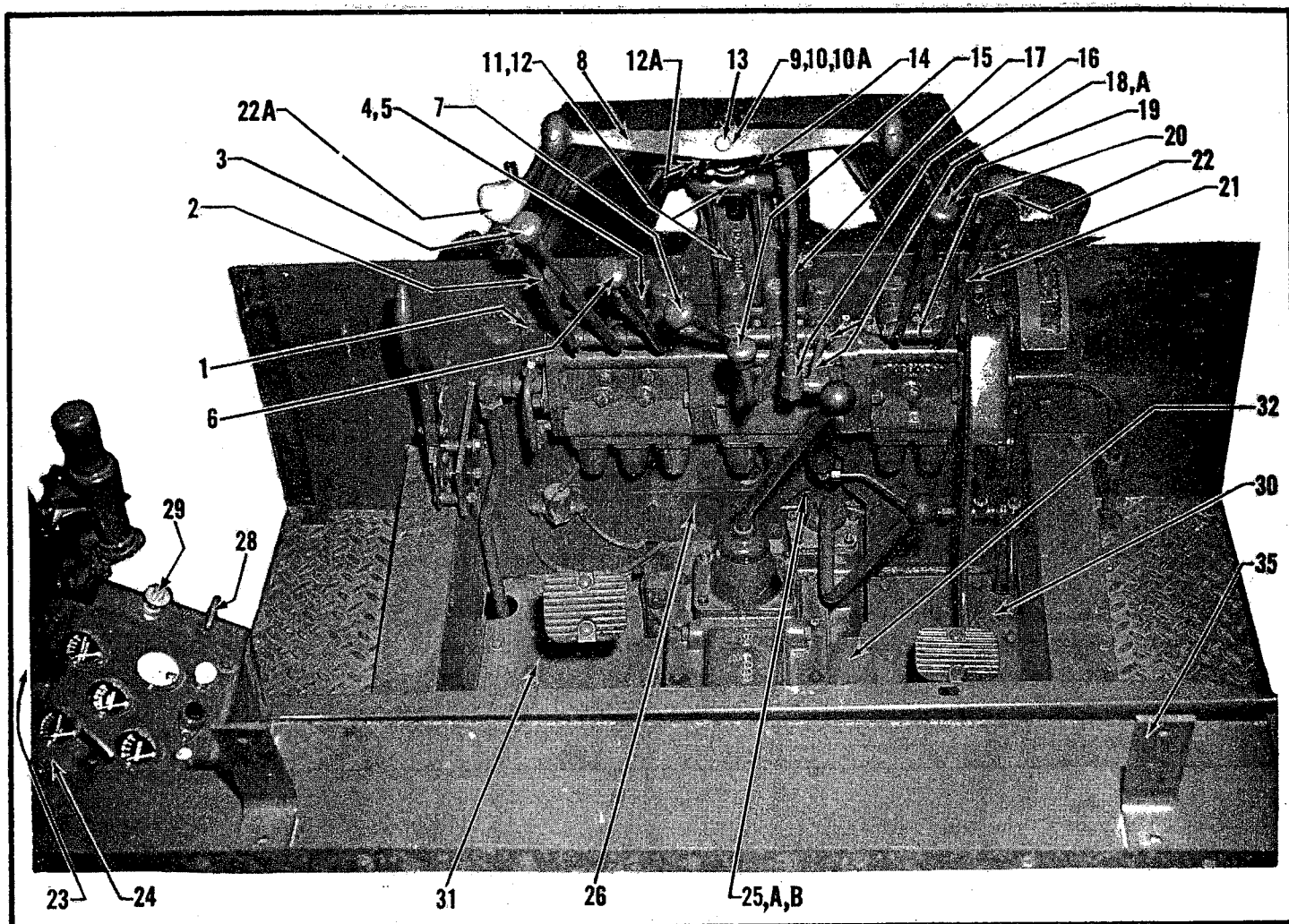
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGF-18587	1	RELIEF VALVE GROUP (includes Ref. Nos. 1 to 20 inclusive)
1	501044	1	BODY, valve
2	501043	1	SLEEVE, valve
3	501042	1	VALVE
4	501041	1	PIN, metering
5	501011	1	VALVE, poppet
6	501008	1	SCREW, adjusting
7	501010	1	SPRING
8	501037	1	SPRING
9	501036	1	RING, retaining
10	501012	1	RING, snap
11	501034	1	NAME PLATE (not shown)
12	501009	1	"O" RING
13	501032	2	"O" RING
14	501031	1	"O" RING
15	501030	1	RING, backup
16	501029	1	SPRING
17	501015	1	BALL
18	501027	1	NUT, acorn
19	501019	1	NUT, jam
20	501025	1	SPACER



-O-

FLOW REGULATOR (BOOSTER STEER)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	HCF-10103	1	FLOW REGULATOR (includes Ref. Nos. 1 to 5 inclusive)
1	497109	1	BODY
2	497114	1	PISTON
3	497111	1	"O" RING
4	497112	1	PLUG
5	497113	1	SPRING



HYDRAULIC VALVE CONTROLS, SEAT, AND MISCELLANEOUS PARTS

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-11101	1	ANGLE, valve bank support
2	PGF-17930	1	LEVER, circle reverse (machine No. 5424 and up)
3	PGF-16197	1	LEVER, blade lift, L.H.
4	PGF-12043	1	* PLATE, cover, valve bank tubes
5	PGF-10754	16	* FELT, cover plate, valve bank
6	PGF-16199	1	LEVER, blade side shift
7	PGF-16198	1	LEVER, high lift
8	PG-1386	1	LEVER, steering (for duomatic or booster steering see separate page)
9	PG-1786	1	COLLAR, steering lever shaft
10	111009	3	KEY, Woodruff
10A	755032	2	SETSCREW, cup point, steering shaft collar
11	PG-2405	1	SUPPORT, steering shaft
12	ASF-5689	2	* BUSHING (for Ref. 11)
12A	755053	1	SETSCREW, cup point, steering lever
13	PGF-16368	1	SHAFT, steering lever (for duomatic or booster steering see separate page)
14	PG-2466	1	LEVER, counterbalance, steering shaft

Note: * Parts not illustrated.

(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
15	PGF-16201	1	LEVER, rear steer
16	PGF-15602	2	JOINT, ball and socket
17	PGF-15603	1	ROD, adjusting, steering link
18	PG-2418	1	LEVER, front steering valve
18A	PGF-15673	1	* BUSHING, front steer valve lever
19	PGF-16196	1	LEVER, blade lift, R.H.
20	HTF-382	1	* SPACER, valve lever (used only on machines not equipped with scarifier)
21	PGF-16195	1	LEVER, scarifier
22	PGF-19404	6	BALL, lever
22A	PGF-16430	1	KNOB, control, circle reverse latch
23	PGF-14576	1	* COVER PLATE - instrument panel wiring accessibility (cab left side lower wrapper)
24	PGF-18272	1	PANEL, instrument (machines No. 6284 and up)
25	PGF-18674	1	SHIELD
25A	PGF-18673	2	RETAINER
25B	PGF-18672	1	RETAINER
26	PGF-13807	1	PLATE, cover
27	PGF-15771	2	* PLUG, button, converter guage opening (on Pacer 145, 245 - Super 165, 265)
28	PGF-13569	1	CONTROL, governor shut-off (GMC engine)
29			PRIMER, engine (see separate page)
30	PGF-18987	1	PLATE, floor, R.H. }
31	PGF-18998	1	PLATE, floor, L.H. } (machines No. 6818 and up)
32	PGF-18737	2	STRIP, floor plate }
33	PGF-11638	1	* SEAT CUSHION
34	PGF-11254	1	* PLATE, seat bed
35	PGF-10111	2	SUPPORT, back rest
36	PGF-5652	1	* BACK REST

Note: * Parts not illustrated.

GMC - 3-71 DIESEL ENGINE AND RELATED PARTS
(For Pacer 100 & 200 - Super 100 & 200)
(Not illustrated)

ENGINE AND ATTACHING PARTS

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-18278	1	ENGINE - 3-71 for dry clutch (for Pacer 100 & 200 - Super 100 & 200)-(see engine parts catalog)
2	PGF-18280	1	ENGINE - 3-71 for torque converter (for Pacer 100 & 200 - Super 100 & 200)-(see engine parts catalog)
3	PGF-18621	1	FAN BLADE ASSEMBLY (20" dia.)
4	PGF-18605	1	SPACER, fan
5	PGF-5909	2	WASHER, engine support
6	PGF-13569	2	CONTROL (engine emergency shut-off)
7	HCF-3080	1	CLIP } (on Pacer 146, 246 -
8	HCF-2290	1	CLIP } Super 166, 266)
9	PGF-18290	1	SUPPORT, engine, front
10	WRF-1262	2	BOLT, front engine support
11	762007	2	WASHER, engine support stud
12	734005	2	NUT, slotted, engine support bolt
13	PGF-12977	2	STUD, front engine support (to engine)
14	PGF-12139	2	SUPPORT, engine, at flywheel housing
15	PGF-10553	2	BOLT, engine support, rear
16	734007	2	NUT, engine support stud

RADIATOR, CONNECTIONS AND ATTACHING PARTS

1	PGF-16800	1	RADIATOR AND SHELL ASSEMBLY (on Pacer 145, 245 - Super 165, 265)-(includes #562086 radiator, #562089 cap, #562045 overflow tube, and #562046 shell)
2	PGF-16799	1	RADIATOR AND SHELL ASSEMBLY (on Pacer 146, 246 - Super 166, 266)-(includes #562085 radiator, #562089 cap, #562045 overflow tube, and #562046 shell)
3	PGF-16824	1	SHROUD
4	PG-2128	1	ELBOW, engine oil cooler inlet
5	PG-2455	2	CONNECTION, upper and lower
6	PGF-10792	2	GASKET, upper and lower connections
7	WRF-581	1	HOSE, upper (2" ID x 24")
8	034014	4	CLAMP, hose
9	PGF-14523	2	ROD, tie, radiator
10	742787	2	BOLT, radiator
11	734007	2	NUT, slotted
12	PGF-16873	1	HOSE, lower (2" ID x 20")

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MUFFLER AND ATTACHING PARTS

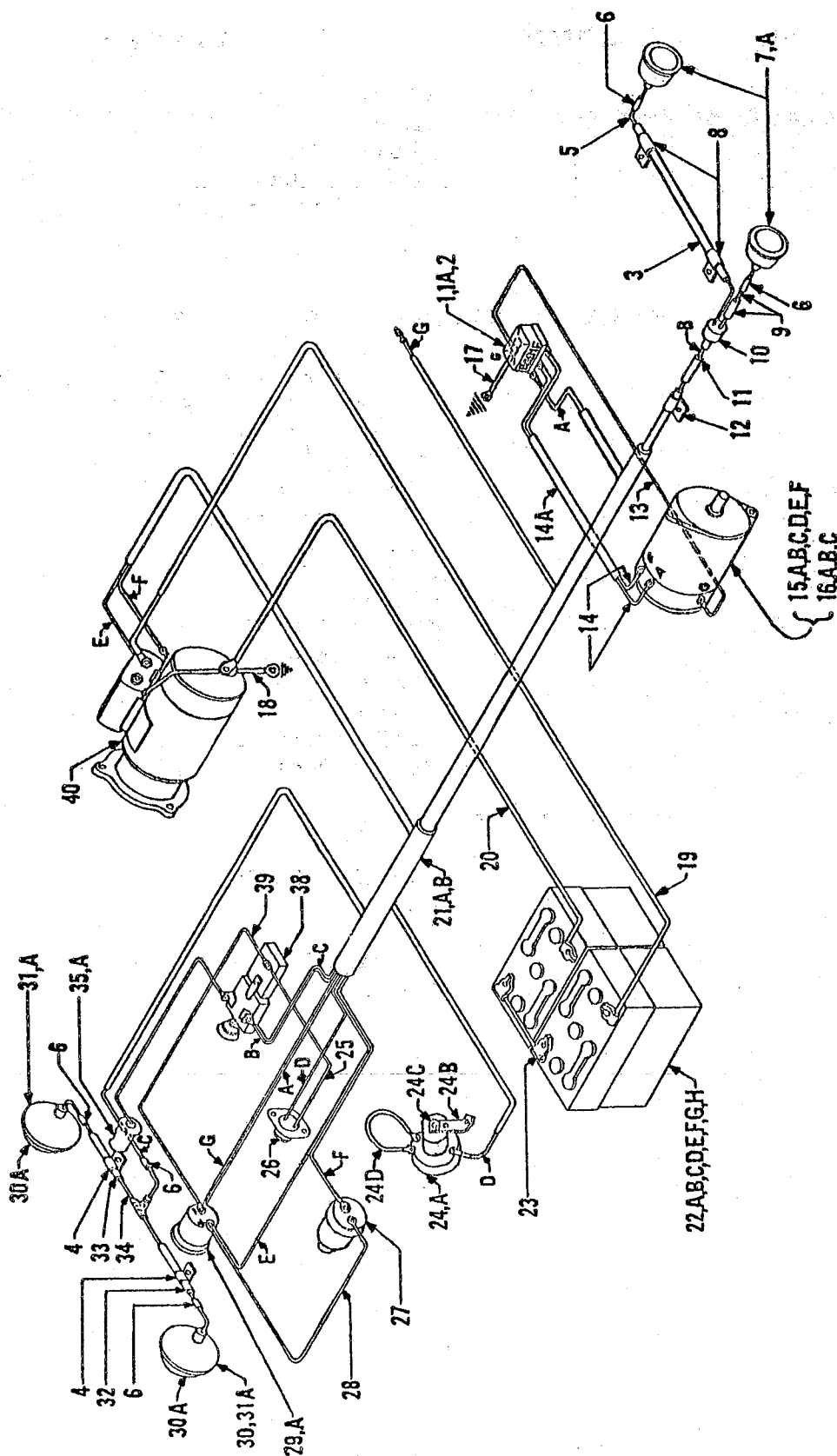
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-16071	1	MUFFLER
2	PGF-12640	1	CLAMP
3	PGF-17816	1	EXHAUST PIPE
4	HCF-2468	4	STUD, exhaust pipe
5	921004	4	NUT, exhaust pipe stud (brass)

AIR CLEANER AND ATTACHING PARTS (OIL BATH TYPE)

1	PGF-17274	1	AIR CLEANER (includes #035115 body, #035085 housed element, #035086 inner oil cup, #035087 oil cup, 2 - #035088 side rod bands, and 2 - #035089 side rods)
2	PGF-15275	1	EXTENSION, stack
3	PGF-12479	1	CAP, stack extension
4	PGF-12477	2	BAND, mounting
5	PGF-17862	1	TUBE ASSEMBLY
6	PGF-12206	1	ADAPTER
7	PGF-15072	1	HOSE (3-1/2" ID x 4")
8	HCF-4452-6	8	CLAMP, hose
9	PGF-13199	1	BRACKET
10	PGF-17125	1	SUPPORT
11	PGF-15079	1	PLATE, stiffener
12	PGF-17843-3	1	HOSE, reducer (4" to 3-1/2" ID x 5")

RADIATOR SHUTTER

1	PGF-19284	1	SHUTTER ASSEMBLY
2	741158	6	BOLT
3	762003	6	WASHER
4	778010	6	LOCKWASHER
5	PGF-19455	1	CABLE, control



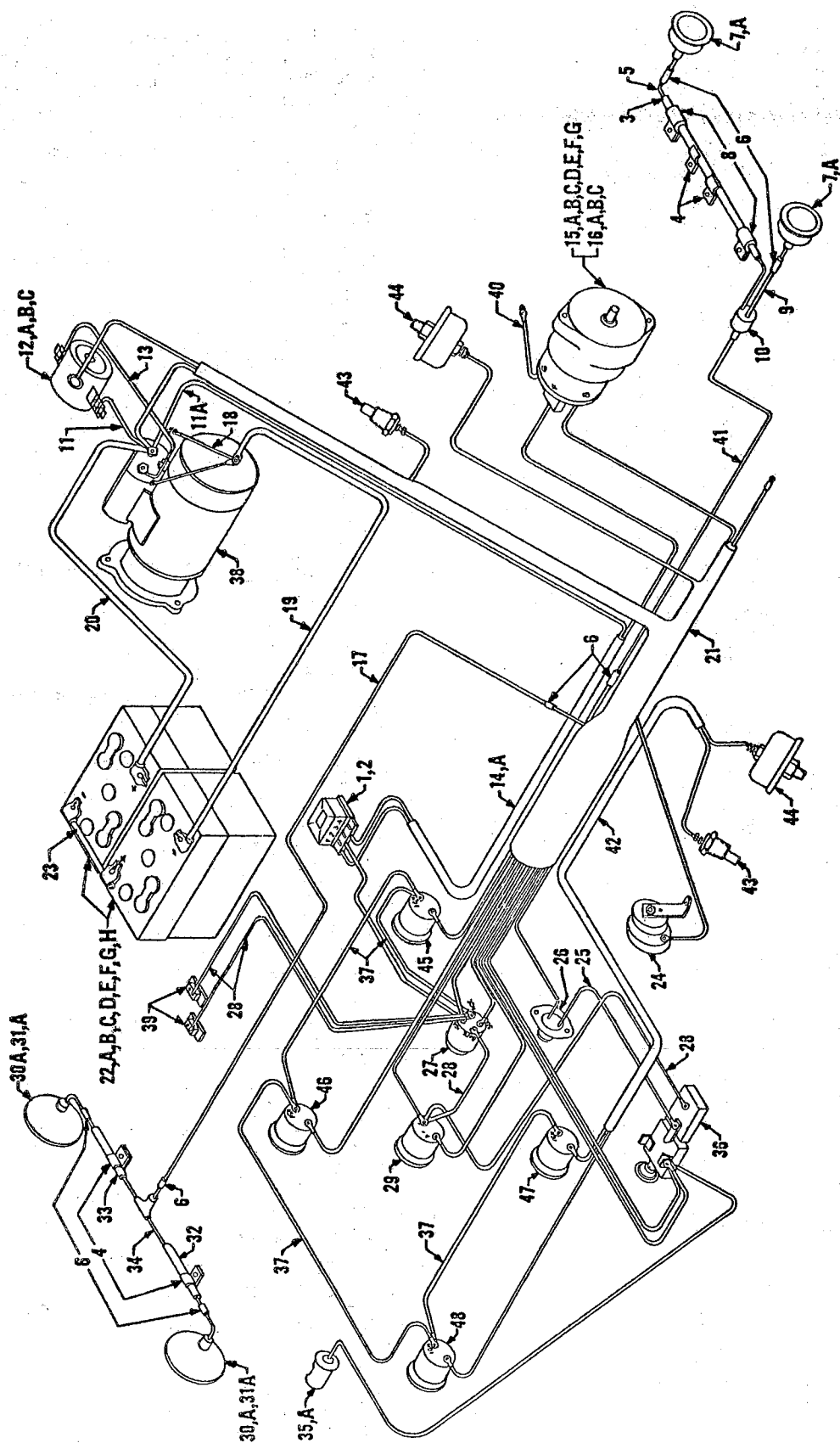
(For Part Numbers,
see next page)

ELECTRICAL ACCESSORIES FOR GMC ENGINE

ELECTRICAL ACCESSORIES FOR GMC ENGINE
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-14568	1	REGULATOR, voltage (used with Ref. No. 15)
1A	PGF-15957	1	* BRACKET (for Ref. Nos. 1 & 2 & hourmeter)
2	PGF-13568	1	REGULATOR, voltage (used with Ref. No. 16)
3	PGF-11967	1	LOOM, tail light wire
4	PGF-10046	2	CLIP
5	PGF-12652	1	WIRE, R.H. tail light to connector
6	HCF-6357	5	CONNECTOR, 2-wire
7	PGF-16569	2	TAIL LIGHT
7A	PGF-5164	2	* BRACKET (for Ref. No. 7)
8	PGF-9520	2	CLIP
9	PGF-12653	1	WIRE, L.H. tail light to connector
10	PGF-12627	1	CONNECTOR, 3-wire
11	PGF-11424	1	LOOM
12	PGF-2897	1	CLIP
13	PGF-13914	1	WIRE, regulator to generator
14	PGF-5163	2	WIRE ASSEMBLY, generator to regulator
14A	PGF-11389	1	LOOM, generator to regulator wires
15	PGF-16017	1	GENERATOR (standard equipment)
15A	PGF-13820	1	* BELT (for Ref. Nos. 15 and 16)
15B	PGF-13819	1	* BRACKET
15C	PGF-13911	1	* SPACER
15D	PGF-13818	1	* STRAP
15E	PGF-13817	1	* PULLEY
15F	PGF-17433	1	* FAN AND BAFFLE
16	PGF-13573	1	GENERATOR (extra heavy duty - special order)
16A	PGF-14277	1	* BRACKET (for
16B	PGF-14276	1	* PULLEY } Ref. No.
16C	PGF-11536	1	* FAN } 15)
17	PGF-13981	1	WIRE, ground
18	PGF-17502	1	CABLE, ground
19	PGF-14661	1	CABLE, battery to starter solenoid
20	PGF-14662	1	CABLE, battery to starter
21	PGF-15820	1	HARNESS, wiring
21A	PGF-11512	1	* HOSE, protector
21B	034012	2	* CLAMP, hose
22	WRF-655	2	BATTERY, 6 volt
22A	PGF-15309	1	* COVER, battery box
22B	PGF-13913	1	* PARTITION, battery box
22C	740003	2	* WING NUT, battery box cover
22D	PGF-15506	1	* BATTERY BOX
22E	PGF-11246	2	* BASE, battery
22F	PGF-17047	3	* SPACER, battery
22G	PGF-11710	4	* BUMPER, battery terminals
22H	PGF-10120	2	* GROMMET, battery cables
23	PGF-10118	1	CABLE, jumper
24	PGF-9342	1	HORN (1st type - order Ref. Nos. 24A, B, C and D)
24A	HCF-9250	1	HORN (2nd type)
24B	HCF-9251	1	BRACKET
24C	HCF-9252	1	NUT
24D	HCF-6145	1	WIRE, ground } (for
25	PGF-9547	1	WIRE, horn button to light switch
26	PGF-9343	1	BUTTON, horn
27	ASF-7071	1	SWITCH, starter
28	PGF-13902	1	WIRE, starter switch to ammeter
29	PGF-15810	1	AMMETER
29A	PGF-9282	1	* GASKET, ammeter
30	PGF-11982	1	HEADLIGHT, L.H. (includes Ref. No. 30A)
30A	121132	2	SEALED BEAM (12 volt)
31	PGF-11983	1	HEADLIGHT, R.H. (includes Ref. No. 30A)
31A	MS-380	2	* SOCKET, headlight mounting
32	PGF-11987	1	LOOM, L.H.
33	PGF-11986	1	LOOM, R.H.
34	PGF-12654	1	WIRE, headlights
35	ASF-5372	1	LIGHT, dash (less bulb)
35A	PGF-11968	1	* BULB, dash light (3CP-SC, 12V)
38	ASF-7478	1	SWITCH, light
39	PGF-9506	1	WIRE, ammeter to light switch
40	PGF-17267	1	MOTOR, starting

Note: * Parts not illustrated.



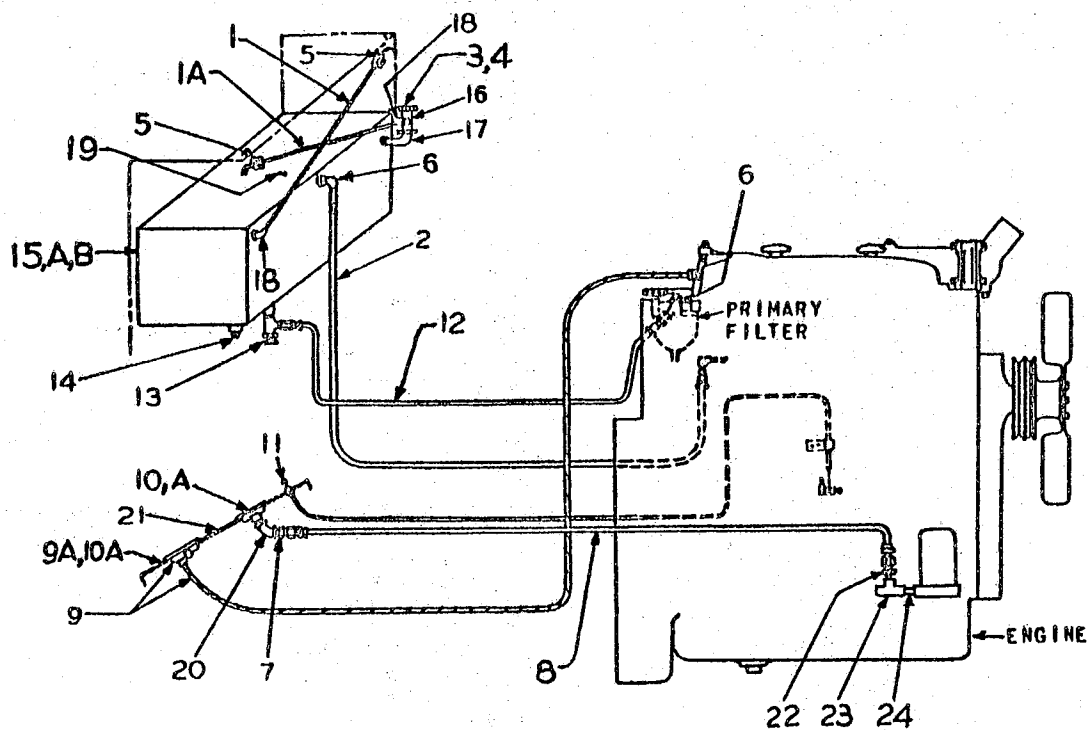
(For Part Numbers,
see next page)

ELECTRICAL ACCESSORIES FOR GMC ENGINE (30 or 60 AMP)

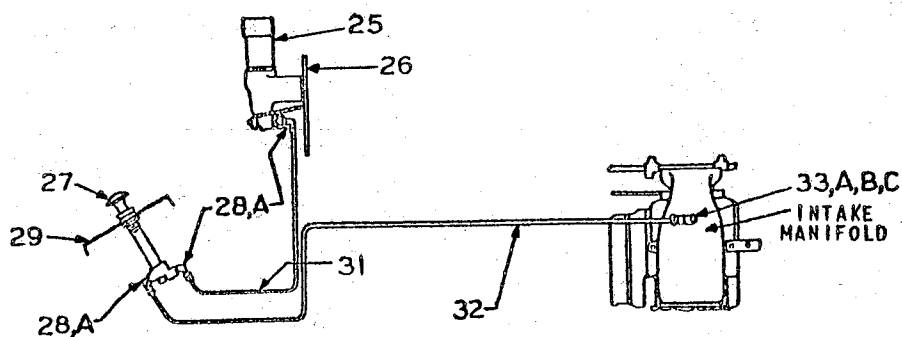
ELECTRICAL ACCESSORIES FOR GMC ENGINE
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-18435	1	REGULATOR, voltage (used with Ref. No. 15)-(30 AMP)
2	PGF-18181	1	REGULATOR, voltage (used with Ref. No. 16)-(60 AMP)
3	PGF-11967	1	LOOM, tail light wire
4	PGF-10046	5	CLIP
5	PGF-12652	1	WIRE, R.H., tail light to connector
6	PGF-10421	7	CONNECTOR
7	PGF-16569	2	TAIL LIGHT
7A	PGF-5164	2	* BRACKET (for Ref. No. 7)
8	PGF-9520	2	CLIP
9	PGF-12653	1	WIRE, L.H., tail light to connector
10	PGF-12627	1	CONNECTOR, 3-wire
11	HCF-9904	1	WIRE, starter to switch
11A	PGF-18266	1	WIRE, starter to relay (60 AMP)
12	WRF-939	1	RELAY, starter
12A	PGF-18839	1	BRACKET, relay
12B	PGF-18201	1	RELAY (60 AMP)
12C	PGF-18331	1	BRACKET (60 AMP)
13	HCF-9905	1	WIRE, relay to starter
14	PGF-17950	1	HARNESS, regulator (30 AMP)
14A	PGF-18854	1	HARNESS, regulator (60 AMP)
15	PGF-18436	1	GENERATOR (standard equipment)-(30 AMP)
15A	PGF-18437	1	* BELT (for Ref. Nos. 15 and 16)
15B	PGF-19025	1	* BRACKET
15C	PGF-19026	1	* SPACER
15D	PGF-18720	1	* STRAP
15E	PGF-18582	1	* PULLEY
15F	HCF-11705	1	* FAN
15G	PGF-18432	1	* ANGLE, for strap
16	PGF-18200	1	GENERATOR (extra heavy duty - special order)-(60 AMP)
16A	PGF-18029	1	* BRACKET
16B	PGF-18620	1	* PULLEY
16C	PGF-18657	1	* SPACER, alternator bracket (60 AMP)
17	PGF-18896	1	WIRE, lights, front
18	PGF-17502	1	CABLE, ground
19	PGF-14661	1	CABLE, battery to starter solenoid
20	PGF-14662	1	CABLE, battery to starter
21	PGF-18830	1	HARNESS, wiring
22	HCF-15271	2	BATTERY, 6 volt
22A	PGF-13913	1	* PARTITION, battery box
22B	PGF-15309	1	* COVER, battery box
22C	740003	2	* WING NUT, battery box
22D	PGF-15506	1	* BATTERY BOX
22E	PGF-11246	2	* BASE, battery
22F	PGF-10120	2	* GROMMET, battery cables
22G	PGF-17047	3	* SPACER, battery
22H	PGF-11710	4	* BUMPER, battery terminals
23	PGF-10118	1	CABLE, jumper
24	PGF-18406	1	HORN
25	PGF-15963	1	WIRE, horn button to light switch
26	PGF-9343	1	BUTTON, horn
27	HCF-10883	1	SWITCH, starter
28	HCF-6359	4	WIRE, switch
29	PGF-18426	1	AMMETER
29A	PGF-9282	1	* GASKET, ammeter
30	PGF-15006	1	HEADLIGHT, L.H. (includes Ref. No. 30A)
30A	121132	2	SEALED BEAM (12 volt)
31	PGF-15005	1	HEADLIGHT, R.H. (includes Ref. No. 30A)
31A	MS-380	2	* SOCKET, headlight mounting
32	PGF-11987	1	LOOM, L.H.
33	PGF-11986	1	LOOM, R.H.
34	PGF-12654	1	WIRE, headlights
35	ASF-5372	1	LIGHT, dash (less bulb)
35A	PGF-11968	1	* BULB, dash light (3CP-SC, 12V)
36	ASF-7478	1	SWITCH, light
37	ASF-3719	4	WIRE, switch
38	PGF-17267	1	MOTOR, starting
39	ASF-7773	2	CIRCUIT BREAKER
40	HCF-11861	1	WIRE, ground
41	PGF-18897	1	WIRE
42	PGF-18833	1	WIRE
43	PGF-18053	2	TEMPERATURE, sender - engine - T.C.
44	PGF-18422	2	OIL PRESSURE, sender - engine - T.C.
45	PGF-18045	1	WATER TEMPERATURE
46	PGF-18046	1	OIL PRESSURE
47	PGF-17942	1	TEMPERATURE - T.C.
48	PGF-18421	1	PRESSURE - T.C.

Note: * Parts not illustrated.



Fuel and Oil Lines



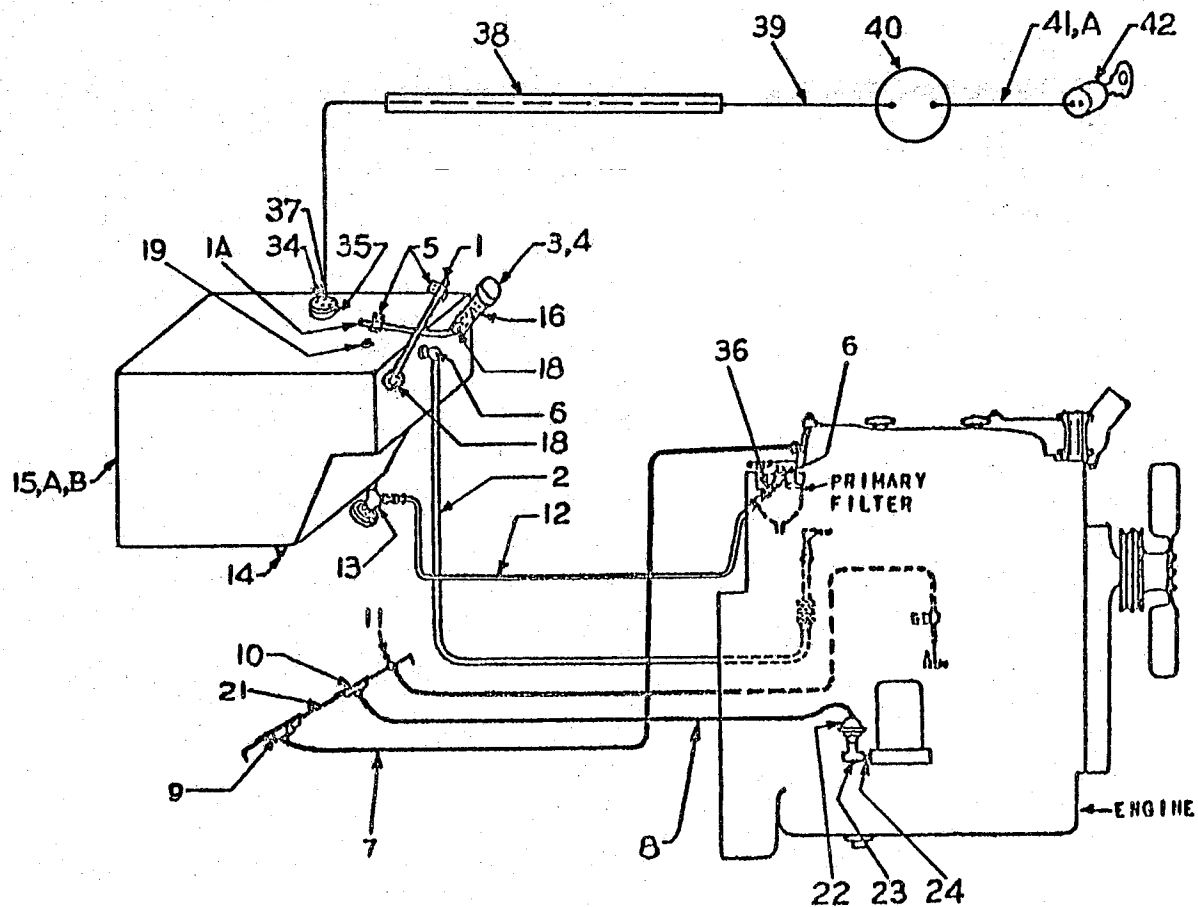
Ether Starting System

(For Part Numbers,
see next page)

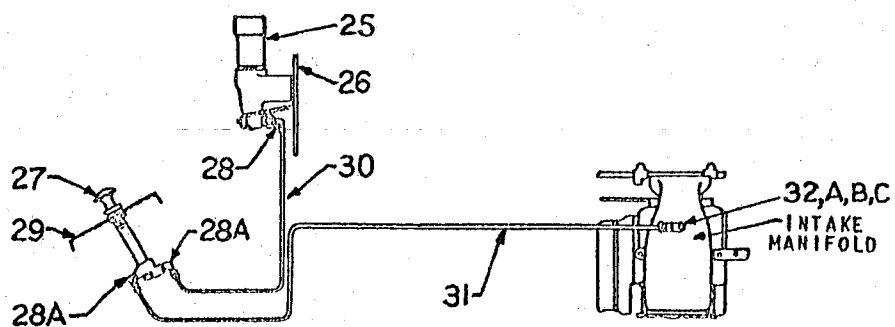
FUEL AND OIL PRESSURE SYSTEM
(For GMC Engine)

FUEL AND OIL PRESSURE SYSTEM
(For GMC Engine)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-15691	1	TUBE, breather
1A	PGF-15692	1	TUBE, breather
2	PGF-16141	1	HOSE (5/16" ID x 28-1/2" long)
3	PGF-11696	1	CAP, fuel tank
4	PGF-9648-2	1	"O" RING (gasket), fuel tank cap
5	PGF-13173	2	CLIP
6	835006	2	ELBOW
7	840005	1	CONNECTOR
8	PGF-14524	1	HOSE (5/16" ID x 73-5/8" long)
9	PGF-15811	1	GAUGE, water temperature
9A	PGF-15772	2	WASHER, temperature gauge
10	TF-1530	1	GAUGE, engine oil pressure
11	PGF-9282	2	GASKET, gauge
11	PGF-13569	1	CONTROL, engine emergency shut-off
12	PGF-14668	1	HOSE (5/16" ID x 35-1/8" long)
13	PGF-9338	1	VALVE, needle
14	816003	1	PLUG, drain
15	PGF-17135	1	TANK, fuel
15A	PGF-15604	1	SUPPORT
15B	PGF-10808	4	PAD, fuel tank support (not shown)
16	PGF-13806	1	TUBE, filler
17	565009	1	ELBOW, street
18	835007	2	ELBOW
19	816005	1	PLUG, fuel tank
20	873001	1	COUPLING
21			PANEL, instrument (see separate page)
22	840006	1	CONNECTOR
23	538002	1	TEE
24	532046	1	NIPPLE
25	PGF-12309	1	PUNCTURING TOOL
26	PGF-14956	1	BRACKET, mounting
27	PGF-11400	1	PRIMER, engine
28	PGF-11523	3	ELBOW ASSEMBLY (includes one Ref. No. 28A)
28A	PGF-11523-2	3	NUT WITH SLEEVE
29			SUPPORT, instrument panel (see separate page)
31	PGF-11524	1	TUBE
32	PGF-15071	1	TUBE
33	PGF-11414	1	ELBOW NOZZLE ASSEMBLY (includes Ref. Nos. 33A, 33B and 33C)
33A		1	BODY } (not sold separately
33B		1	JET } Order Ref. No. 33)
33C	PGF-11412-3	1	NUT WITH SLEEVE
34	PGF-10120	3	GROMMET, fuel lines at wrapper (not shown)



Fuel and Oil Lines



Ether Starting System

(For Part Numbers,
see next page)

FUEL AND OIL PRESSURE SYSTEM
(For GMC Engine)
(Machine No. 6284 and up)

FUEL AND OIL PRESSURE SYSTEM
(For GMC Engine)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-15691	1	TUBE, breather
1A	PGF-15692	1	TUBE, breather
2	PGF-16141	1	HOSE (approx. 28-1/2" long)
3	PGF-18412	1	CAP, fuel tank (also dipstick)
4	PGF-9648-2	1	"O" RING (gasket), fuel tank cap
5	PGF-13173	2	CLIP
6	835006	2	ELBOW
7		1	WIRE, temperature (see wiring diagram)
8		1	WIRE, oil pressure (see wiring diagram)
9	PGF-18045	1	GAUGE, water, temperature
10	PGF-18046	1	GAUGE, engine oil pressure
11	PGF-13569	1	CONTROL, engine emergency shut-off
12	PGF-17858	1	HOSE (approx. 36" long)
13	PGF-18414	1	VALVE
14	816003	1	PLUG, drain
15	PGF-18413	1	TANK, fuel
15A	PGF-15604	1	SUPPORT, fuel tank (not shown)
15B	PGF-10808	4	PAD, fuel tank support (not shown)
16	PGF-18447	1	TUBE, filler
18	835008	2	ELBOW
19	816005	1	PLUG, fuel tank
21			PANEL, instrument (see separate page)
22	PGF-18422	1	PRESSURE SENDING UNIT
23	538016	1	TEE
24	532046	1	NIPPLE
25	PGF-12309	1	FUNCTURING TOOL
26	PGF-18692	1	BRACKET, mounting
27	PGF-11400	1	PRIMER, engine
28	PGF-18694	1	CONNECTOR ASSEMBLY
28A	PGF-11523	3	ELBOW ASSEMBLY
29			SUPPORT, instrument panel (see separate page)
30	PGF-18693	1	TUBE (Machine No. 6304 and up)
31	PGF-15071	1	TUBE
32	PGF-11414	1	ELBOW NOZZLE ASSEMBLY (includes Ref. Nos. 32A, 32B and 32C)
32A		1	BODY } (not sold separately
32B		1	JET } Order Ref. No. 32)
32C	PGF-11412-3	1	NUT WITH SLEEVE
33	PGF-10120	3	GROMMET, fuel lines at wrapper (not shown)
34	PGF-18445	1	COVER, fuel tank
35	PGF-18446	1	GASKET, cover
36	984015	1	CONNECTOR
37	PGF-18461-2	1	SENDING UNIT
38	HCF-3177	1	LOOM
39	HCF-7562	1	WIRE
40	PGF-18460	1	GAUGE, fuel
41	PGF-13386	1	WIRE with torque converter
41A	HCF-4389	1	WIRE with dry clutch
42		1	SWITCH (see regular wiring)

(Electric
Fuel
Gauge)

CUMMINS JN-130-CI DIESEL ENGINE AND RELATED PARTS
(For Pacer 100 & 200 - Super 100 & 200)
(Not Illustrated)

ENGINE AND ATTACHING PARTS

EF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-18714	1	ENGINE - JN-130-CI (for Pacer 145, 245 - Super 165, 265)-(see engine parts catalog)
2	PGF-17269	1	FAN BLADE ASSEMBLY (21" dia.)
3	775123	1	SETSCREW, hydraulic pump support adjustment
4	733005	1	NUT, jam (for Ref. 3)
5	PGF-13569	1	CONTROL, emergency shut-off
6	PGF-16047	1	SUPPORT, engine, front
7	PGF-5909	1	WASHER, pump support
8	PGF-16105	2	STUD, front engine support (to engine)
9	734007	2	NUT, slotted (for Ref. 8)
10	PGF-16875	1	SUPPORT, engine, rear - R.H.
11	PGF-16872	1	SUPPORT, engine, rear - L.H.
12	ASF-5112	8	STUD, engine support, rear
13	741335	6	BOLT, fan
14	742631	2	BOLT, pump support

RADIATOR, CONNECTIONS AND ATTACHING PARTS

1	PGF-16387	1	RADIATOR AND SHELL ASSEMBLY (on Pacer 145, 245 - Super 165, 265)-(includes #562087 radiator, #562089 cap, #562045 overflow tube and #562046 shell)
2	PGF-16007	1	SHROUD
3	PG-2440	1	ELBOW, lower
4	PG-2297	1	ELBOW, upper
5	PGF-9339	1	PETCOCK, lower connection
6	PGF-10792	2	GASKET, upper and lower connections
7	PGF-16127	1	HOSE, lower (2-1/4" ID x 16")
8	HCF-2815	1	HOSE, upper (2" ID x 14")
9	034014	4	CLAMP, hose
10	PGF-14523	2	ROD, tie, radiator
11	742787	2	BOLT, radiator
12	734007	2	NUT, slotted

MUFFLER AND ATTACHING PARTS

1	PGF-16143	1	MUFFLER
2	HCF-5293	1	CLAMP
3	533452	1	EXHAUST PIPE
4	921006	4	NUT, exhaust pipe bolt (brass)
5	741636	4	BOLT, exhaust flange

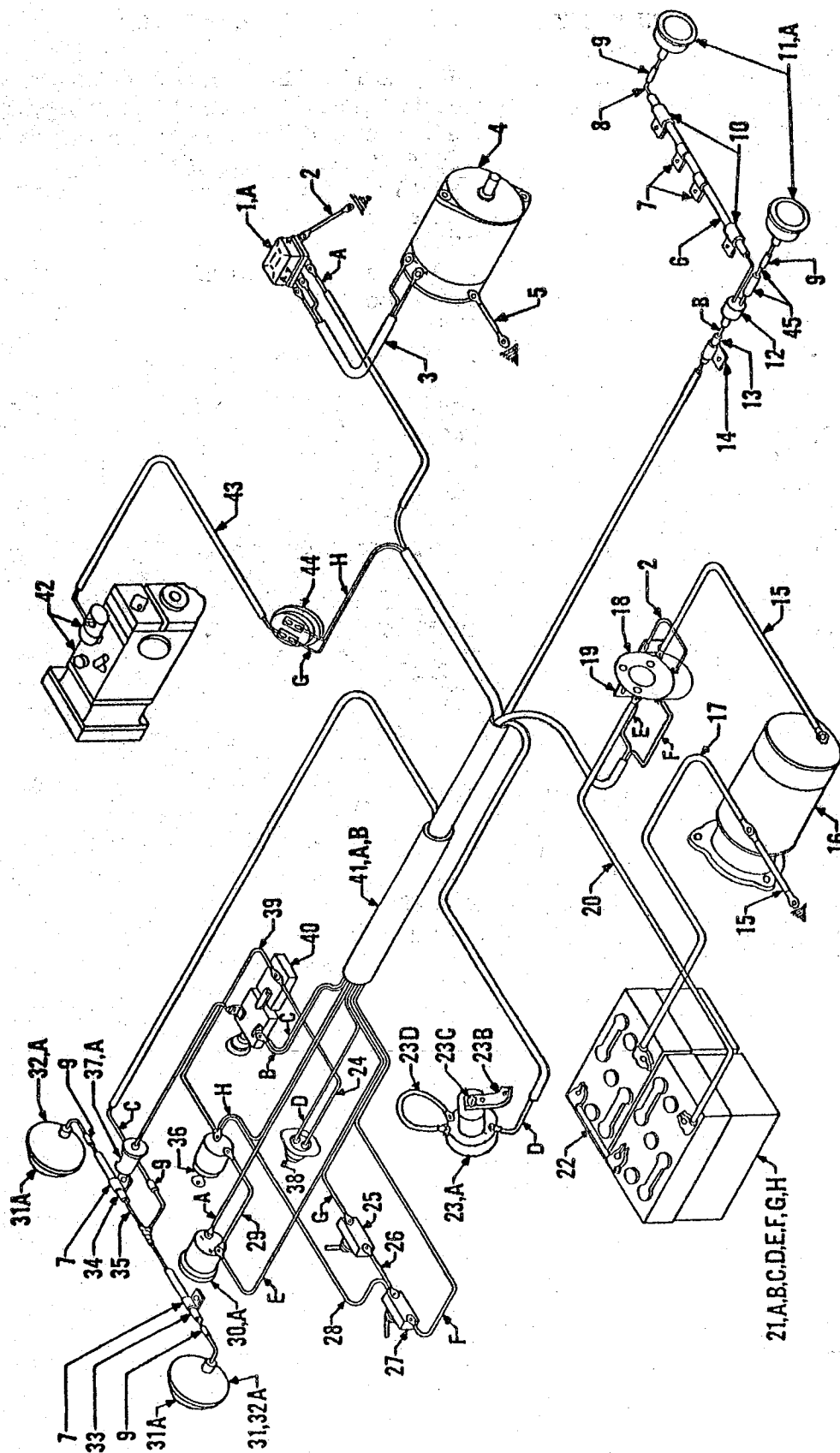
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AIR CLEANER AND ATTACHING PARTS (DRY TYPE)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	FGF-17747	1	AIR CLEANER (includes #035095 cover, #035096 cover gasket, #035125 cartridge, #035098 cartridge gasket, #035099 dust cup, #035100 dust cup gasket, #035094 cup clamp, #035123 cover, inner, and #035124 gasket, inner cover)
2	FGF-17149	1	BRACE
3	FGF-17150	1	CAP, stack extension
4	FGF-13200	3	BAND, mounting
5	FGF-17534	1	TUBE
6	FG-2464	1	FLANGE, adapter, air intake
7	FGF-16119	1	BRACKET
8	FGF-18062	1	HOSE (4" ID x 3-1/2")
9	FGF-15072	1	HOSE (3-1/2" ID x 4")
10	HCF-4452-6	12	CLAMP, hose
11	FGF-15079	1	PLATE, stiffener
12	742318	2	BOLT, band
13	FGF-17147	1	TUBE, stack extension
14	FGF-11559	1	"U" BOLT, extension support
15	FGF-17843-3	1	HOSE, reducer (4" to 3-1/2" ID x 5")
16	778011	4	LOCKWASHER (for Ref. 12)
17	722003	4	NUT (for Ref. 12)
18	FGF-18635	1	BRACE

RADIATOR SHUTTER

1	FGF-19284	1	SHUTTER ASSEMBLY
2	741158	6	BOLT
3	762003	6	WASHER
4	778010	6	LOCKWASHER
5	FGF-19455	1	CABLE, control



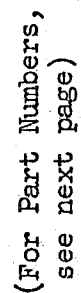
(For Part Numbers,
see next page)

ELECTRICAL ACCESSORIES FOR CUMMINS ENGINE

ELECTRICAL ACCESSORIES FOR CUMMINS ENGINE
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-16447	1	REGULATOR, voltage
1A	PGF-16485	1	* BRACKET (for Ref. No. 1 and hourmeter)
2	PGF-16282	2	WIRE, ground
3	PGF-16280	1	WIRE ASSEMBLY, generator to regulator
4			GENERATOR (see engine parts catalog)
5	PGF-16278	1	WIRE, ground
6	PGF-11967	1	LOOM, tail light wire
7	PGF-10046	4	CLIP
8	PGF-12652	1	WIRE, R.H. tail light to connector
9	HCF-6357	5	CONNECTOR, 2-wire
10	PGF-9520	2	CLIP
11	PGF-16569	2	TAIL LIGHT
11A	PGF-5164	2	* BRACKET (for Ref. No. 11)
12	PGF-12627	1	CONNECTOR, 3-wire
13	PGF-11424	1	LOOM
14	PGF-2897	1	CLIP
15	PGF-16279	2	CABLE, ground; and starter to magnetic switch
16			MOTOR, starting (see engine parts catalog)
17	PGF-14662	1	CABLE, battery to starter
18	HCF-3197	1	SWITCH, magnetic
19	PGF-16638	1	BRACKET, magnetic switch
20	PGF-16296	1	CABLE, battery to magnetic switch
21	WRF-655	2	BATTERY, 6 volt
21A	PGF-15309	1	* COVER, battery box
21B	PGF-13913	1	* PARTITION, battery box
21C	740003	2	* WING NUT, battery box cover
21D	PGF-15506	1	* BATTERY BOX
21E	PGF-11246	2	* BASE, battery
21F	PGF-17047	3	* SPACER, battery
21G	PGF-11710	4	* BUMPER, battery terminals
21H	PGF-10120	2	* GROMMET, battery cables
22	PGF-16404	1	CABLE, jumper
23	PGF-9342	1	HORN (1st type - order Ref. Nos. 23A,B,C and D)
23A	HCF-9250	1	HORN (2nd type)
23B	HCF-9251	1	BRACKET (for
23C	HCF-9252	1	NUT } Ref. No.
23D	HCF-6145	1	WIRE, ground } 23A)
24	PGF-15963	1	WIRE, horn button to light switch
25	PGF-17138	1	SWITCH, fuel solenoid valve
26	ASF-7050	1	WIRE, fuel switch to starter switch
27	PGF-17138	1	SWITCH, starter
28	PGF-16543	1	WIRE, starter switch to ignition switch
29	PGF-13902	1	WIRE, ammeter to ignition switch
30	PGF-15810	1	AMMETER
30A	PGF-9282	1	* GASKET, ammeter
31	PGF-11982	1	HEADLIGHT, L.H. (includes Ref. No. 31A)
31A	121132	2	SEALED BEAM (12 volt)
32	PGF-11983	1	HEADLIGHT, R.H. (includes Ref. No. 31A)
32A	MS-380	2	* SOCKET, headlight mounting
33	PGF-11987	1	LOOM, L.H.
34	PGF-11986	1	LOOM, R.H.
35	PGF-12654	1	WIRE, headlights
36	PGF-17351	1	SWITCH, ignition
37	ASF-5372	1	LIGHT, dash (less bulb)
37A	PGF-11968	1	* BULB, dash light (3CP-SC, 12V)
38	PGF-9343	1	BUTTON, horn
39	PGF-13902	1	WIRE, ignition switch to light switch
40	ASF-7478	1	SWITCH, light
41	PGF-16500	1	HARNES, wiring
41A	HCF-3370	1	* HOSE, protector (for Ref. No. 41)
41B	HCF-4452-4	1	* CLAMP, hose (for Ref. No. 41A)
42			FUEL PUMP AND SOLENOID VALVE (see engine parts catalog)
43	PGF-16283	1	WIRE, fuel solenoid valve to pressure switch
44	PGF-11652	1	SWITCH, pressure
45	PGF-12653	1	WIRE, L.H. tail light to connector

Note: * Parts not illustrated.

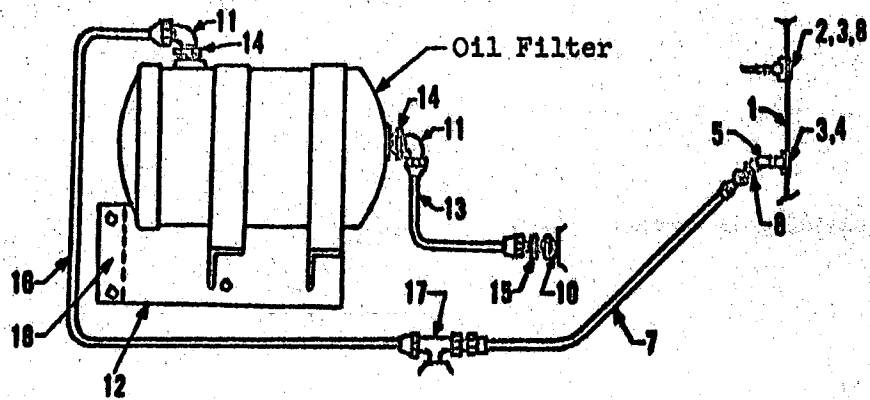


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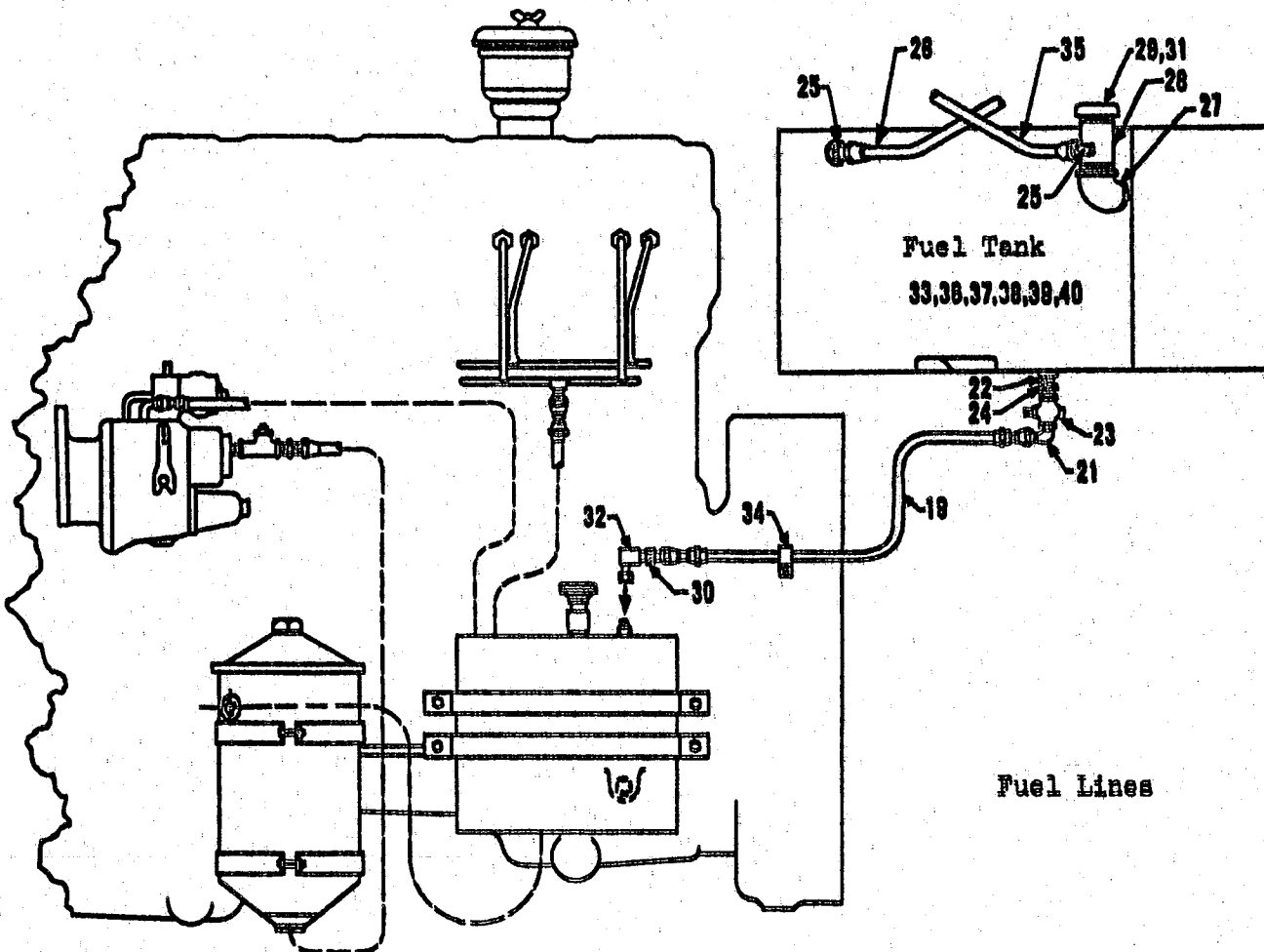
ELECTRICAL ACCESSORIES FOR CUMMINS ENGINE
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-18435	1	REGULATOR
2	PGF-16283	1	WIRE ASSEMBLY
3	PGF-11967	1	LOOM, tail light wire
4	PGF-10046	4	CLIP
5	PGF-12652	1	WIRE, R.H. tail light to connector
6	PGF-10421	7	CONNECTOR, 2-wire
7	PGF-16569	2	TAIL LIGHT
7A	PGF-5164	2	* BRACKET
8	PGF-9520	2	CLIP
9	PGF-12653	1	WIRE, L.H. tail light to connector
10	PGF-12627	1	CONNECTOR, 3-wire
11	PGF-16279	2	WIRE, starter to relay
12	HCF-3197	1	SWITCH, magnetic
12A	PGF-16638	1	* BRACKET, mounting
13	PGF-16282	1	WIRE ASSEMBLY, magnetic switch to ground
14	PGF-18747	1	REGULATOR, wiring harness
15		1	GENERATOR (see Engine Manual)
17	PGF-18896	1	WIRE, lights - front
18	PGF-17138	1	SWITCH for starter
19	PGF-16296	1	CABLE, battery (battery to starter)
20	PGF-14662	1	CABLE, battery to starter
21	PGF-18730	1	HARNESS, wiring
22	HCF-15271	2	BATTERY, 6-volt
22A	PGF-13913	1	* PARTITION, battery box
22B	PGF-15309	1	* COVER, battery box
22C	740003	2	* WING NUT, battery box cover
22D	PGF-15506	1	* BATTERY BOX
22E	PGF-11246	2	* BASE, battery
22F	PGF-10120	2	* GROMMET, battery hold
22G	PGF-17047	3	* SPACER, battery
22H	PGF-11710	4	* BUMPER, battery terminals
23	PGF-10118	1	* CABLE, jumper
24	PGF-18406	1	HORN
25	PGF-15963	1	WIRE, horn button to light switch
26	PGF-9343	1	BUTTON, horn
27	HCF-10883	1	SWITCH, starter
28	HCF-6359	4	WIRE, switch
29	PGF-18426	1	AMMETER
30	PGF-15006	1	HEADLIGHT, L.H. (includes Ref. 30A)
30A	121132	2	SEALED BEAM (12 volt)
31	PGF-15005	1	HEADLIGHT, R.H. (includes Ref. 30A)
31A	MS-380	2	* SOCKET, headlight mounting
32	PGF-11987	1	LOOM, L.H.
33	PGF-11986	1	LOOM, R.H.
34	PGF-12654	1	WIRE, headlights
35	ASF-5372	1	LIGHT, dash (less bulb)
35A	PGF-11968	1	* BULB, dash light (3CP-SC, 12V)
36	ASF-7478	1	SWITCH, light
37	ASF-3719	2	WIRE, switch
38	HCF-4389	1	WIRE, pressure gauge to switch
39	ASF-7773	2	CIRCUIT BREAKER
40	PGF-11652	1	SWITCH, pressure
41	PGF-18897	1	WIRE
43	PGF-18053	1	TEMPERATURE, sender - engine
44	PGF-18422	1	OIL PRESSURE, sender - engine
45	PGF-18045	1	GAUGE, water temperature
46	PGF-18046	1	GAUGE, oil pressure

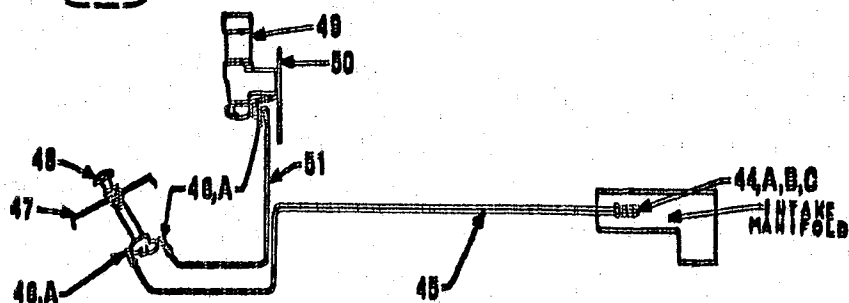
Note: * Parts not illustrated.



Oil Pressure Lines



Fuel Lines



Ether Starting System

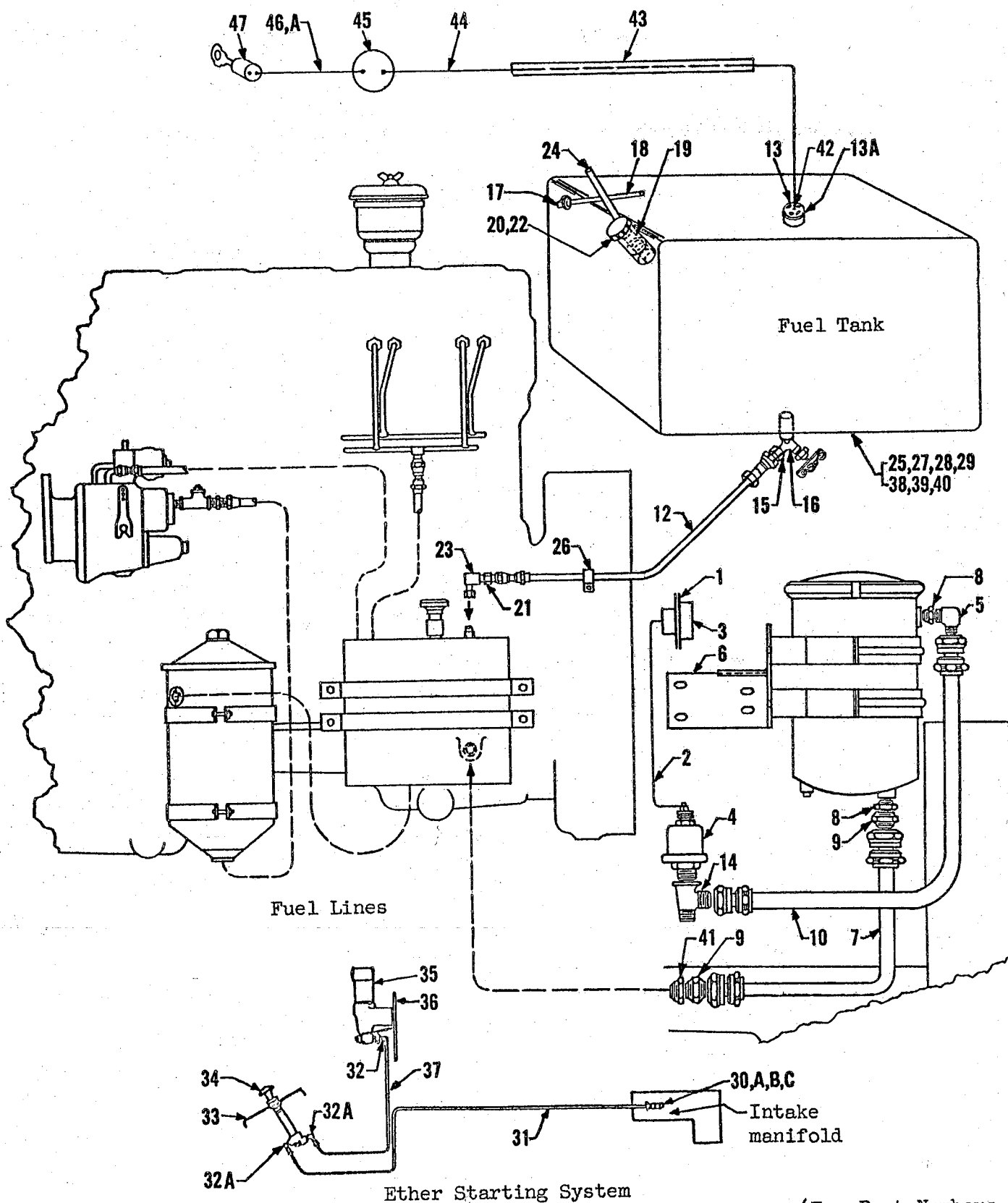
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see next page)

FUEL AND OIL PRESSURE SYSTEM
(For Cummins Engine)

FUEL AND OIL PRESSURE SYSTEM
(For Cummins Engine)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1			PANEL, instrument (see separate page)
2	PGF-16699	1	GAUGE, water temperature
3	PGF-9282	2	GASKET, gauge
4	TF-1530	1	GAUGE, engine oil pressure
5	873001	1	COUPLING, pipe
6	840005	1	CONNECTOR
7	PGF-14396	1	HOSE ASSEMBLY (5/16" ID x 85" long)
8	PGF-15772	2	WASHER, temperature gauge
10	884005	1	BUSHING, reducer
11	835006	2	ELBOW
12	PGF-17836	1	BRACKET, oil filter
13	PGF-17847	1	TUBE ASSEMBLY (includes nut 833004)
14	884002	2	BUSHING, reducer
15	840006	1	CONNECTOR
16	PGF-17844	1	TUBE ASSEMBLY (includes nut 833004)
17	830003	1	TEE
18	PGF-17852	1	SPACER, filter bracket
19	PGF-17858	1	HOSE ASSEMBLY (1/2" ID x 36" long)
21	835011	1	ELBOW
22	532046	1	NIPPLE
23	WRF-1476	1	VALVE
24	883002	1	BUSHING, reducer
25	835007	2	ELBOW
26	PGF-15691	1	TUBE ASSEMBLY - L.H. (includes nut 833005)
27	565009	1	ELBOW
28	PGF-13806	1	TUBE
29	PGF-9648-2	1	"O" RING, gasket
30	PGF-17850-19	1	ADAPTER
31	PGF-11696	1	CAP, pipe
32	HCF-3877	1	ELBOW - 90°
33	PGF-17135	1	TANK, fuel
34	HCF-2793	1	CLIP, fuel hose
35	PGF-15692	1	TUBE ASSEMBLY - R.H. (includes nut 833005)
36	816001	1	* PLUG, pipe
37	816003	1	* PLUG, pipe
38	816005	1	* PLUG, pipe
39	PGF-15604	1	* SUPPORT, fuel tank
40	PGF-10808	4	* PAD, fuel tank
41	PGF-10120	3	* GROMMET, fuel lines
44	PGF-11414	1	ELBOW NOZZLE ASSEMBLY (includes Ref. Nos. 44A, 44B, and 44C)
44A		1	BODY } (not sold separately
44B		1	JET } Order Ref. No. 44)
44C	PGF-11412-3	1	NUT WITH SLEEVE
45	PGF-15071	1	TUBE
46	PGF-11523	3	ELBOW ASSEMBLY (includes one Ref. No. 46A)
46A	PGF-11523-2	3	NUT WITH SLEEVE
47			SUPPORT, instrument panel (see separate page)
48	PGF-11400	1	PRIMER, engine
49	PGF-12309	1	PUNCTURING TOOL
50	PGF-14756	1	PLATE, mounting
51	PGF-11524	1	TUBE

Note: * Indicates parts not illustrated.



(For Part Numbers,
see next page)

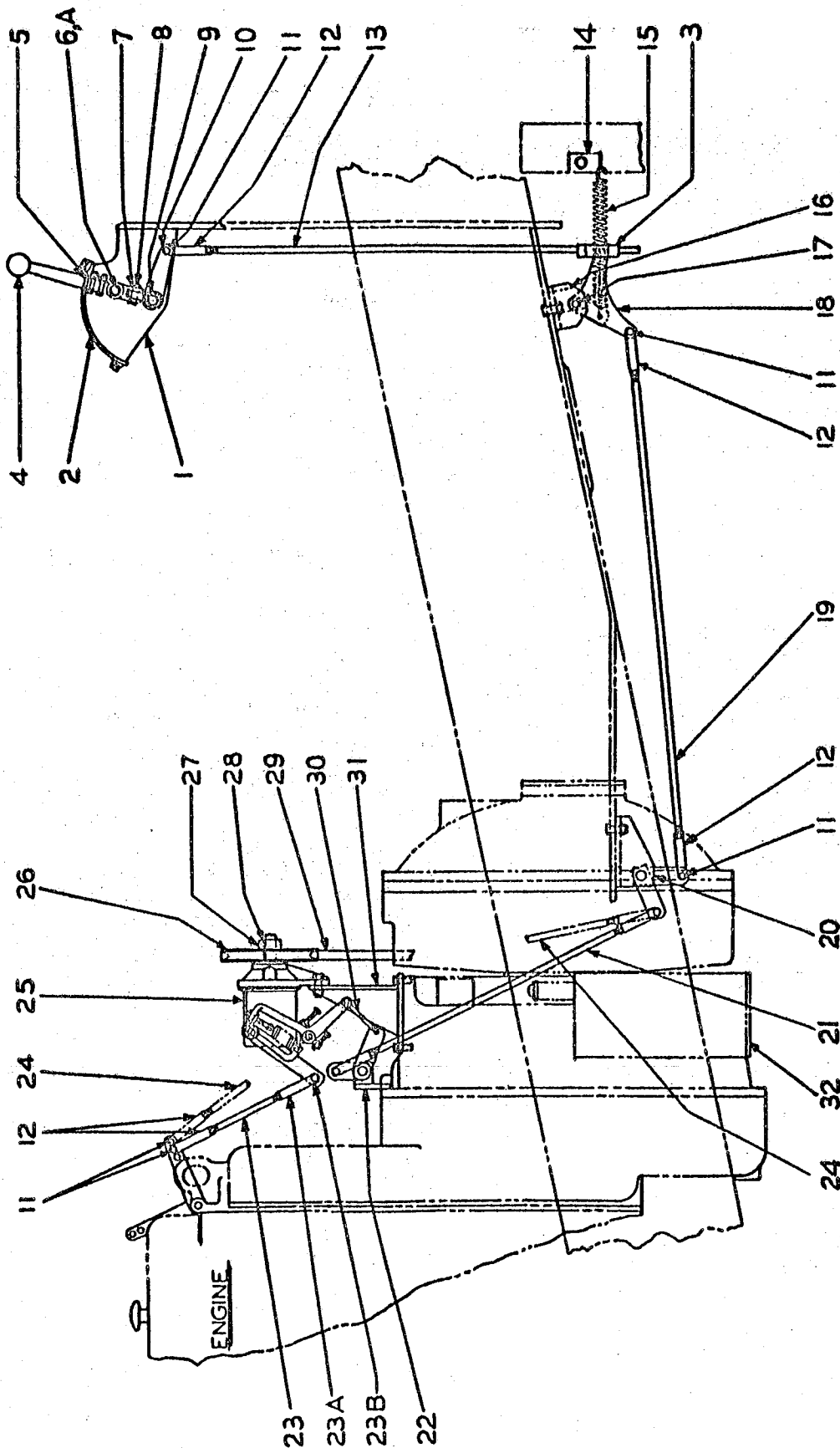
FUEL AND OIL PRESSURE SYSTEM
(For Cummins Engine)
(Machine No. 6284 and up)

FUEL AND OIL PRESSURE SYSTEM
(For Cummins Engine)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1			PANEL, instrument (see separate page)
2		1	WIRE (see regular wiring)
3	PGF-18046	1	GAUGE, engine oil pressure
4	PGF-18422	1	SENDING UNIT
5	835006	1	ELBOW
6	PGF-19401	1	BRACKET, oil filter
7	PGF-18825	1	HOSE
8	884002	2	BUSHING, reducer
9	840006	2	CONNECTOR
10	PGF-18826	1	HOSE
11	PGF-17852	1	SPACER, filter bracket
12	PGF-17858	1	HOSE ASSEMBLY
13	PGF-18445	1	COVER
13A	PGF-18446	1	GASKET
14	PGF-18424-4	1	TEE
15	PGF-17850-11	1	ADAPTER
16	PGF-18414	1	VALVE
17	835008	2	ELBOW
18	PGF-15691	1	TUBE ASSEMBLY (includes nut 833005)
19	PGF-18447	1	TUBE
20	PGF-9648-2	1	"O" RING, gasket
21	PGF-17850-19	1	ADAPTER
22	PGF-18412	1	CAP, pipe
23	HCF-3877	1	ELBOW - 90°
24	PGF-15692	1	TUBE ASSEMBLY (includes nut 833005)
25	PGF-18413	1	TANK, fuel
26	HCF-2793	1	CLIP, fuel hose
27	816001	1	* PLUG, pipe (1/4" - square head)
28	816003	1	* PLUG, pipe (1/2" - square head)
29	816005	1	* PLUG, pipe (countersunk)
30	PGF-11414	1	ELBOW NOZZLE ASSEMBLY (includes Ref. Nos. 30A, 30B, and 30C)
30A		1	BODY } (Not sold separately
30B		1	JET } Order Ref. No. 30)
30C	PGF-11412-3	1	NUT WITH SLEEVE
31	PGF-15071	1	TUBE
32	PGF-18694	1	ELBOW ASSEMBLY
32A	PGF-11523	2	ELBOW ASSEMBLY
33			SUPPORT, instrument panel (see separate page)
34	PGF-11400	1	PRIMER, engine
35	PGF-12309	1	PUNCTURING TOOL
36	PGF-18692	1	PLATE, mounting
37	PGF-18693	1	TUBE
38	PGF-15604	1	* SUPPORT, fuel tank
39	PGF-10808	4	* PAD, fuel tank
40	PGF-10120	3	* GROMMET, fuel tank
41	884005	1	REDUCER
42	PGF-18461-2	1	SENDING UNIT
43	HCF-3177	1	LOOM
44	HCF-7562	1	WIRE
45	PGF-18460	1	GAUGE
46	PGF-13386	1	WIRE - with T.C.
46A	HCF-4389	1	WIRE - with dry clutch
47		1	SWITCH

(Electric
Fuel
Gauge)

Note: * Indicates parts not illustrated.



(For Part Numbers,
see next page)

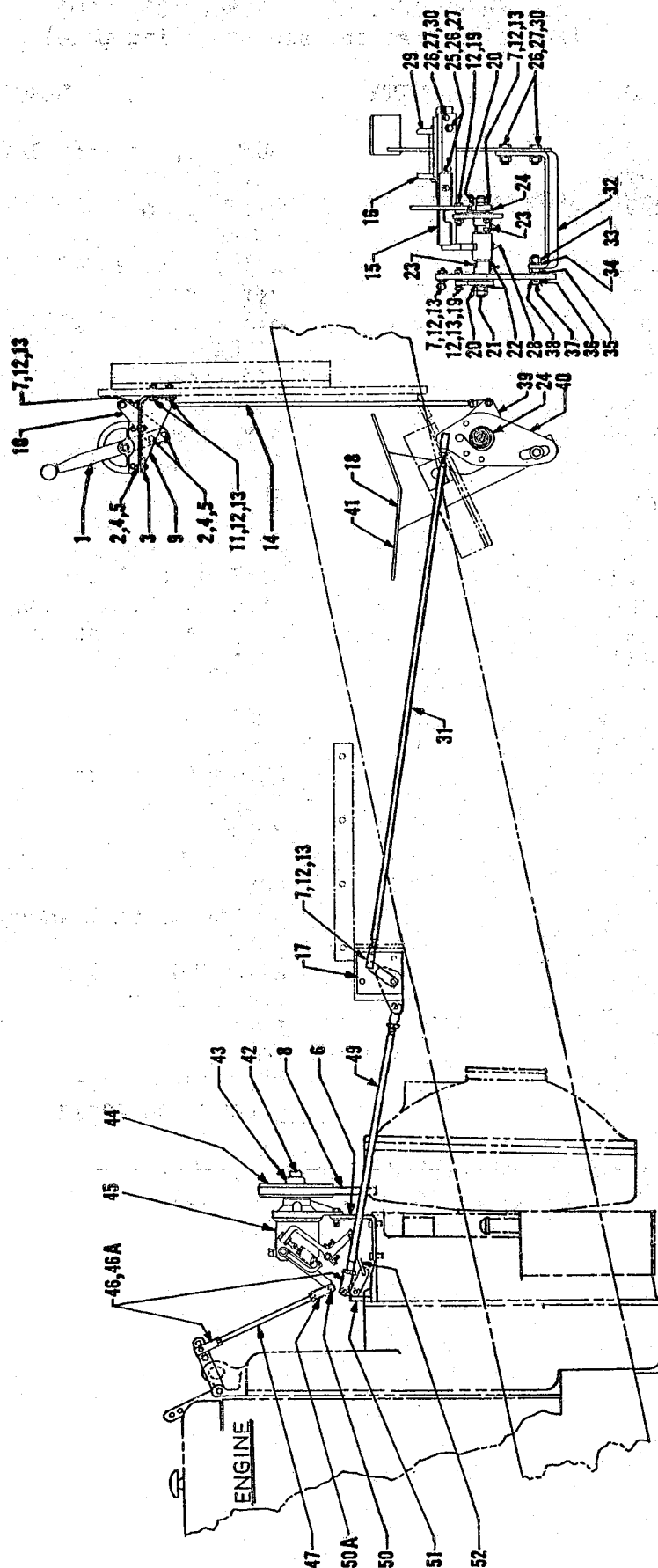
GOVERNOR CONTROL LINKAGE - GMC ENGINE
(On Pacer 100, 200 - Super 100, 200)

GOVERNOR CONTROL LINKAGE - GMC ENGINE
(On Pacer 100, 200 - Super 100, 200)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-11500	1	SUPPORT, control lever (welded on)
2	PGF-13703	1	RATCHET
3	PGF-12261	1	SWIVEL, rod
4	PG-2100	1	LEVER
5	PGF-12415	1	CLIP, ratchet
6	PGF-12377	1	PIN, lever
6A	MSF-854	1	SPRING, lever pin
7	762004	1	WASHER
8	783004	1	PIN, yoke
9	PGF-13523	1	PIVOT, lever
10	PG-2098	1	ARM, throttle
11	783003	5	PIN, yoke } (6 req'd on Pacer 146, 246 - Super 166, 266)
12	782003	5	
13	PGF-12378	1	ROD
14	PGF-14198	1	SUPPORT, spring
15	PGF-6299	1	SPRING, bell crank
16	PGF-13887	1	BRACKET, bell crank
17	PGF-11471	1	PIN, bell crank
18	PGF-13888	1	CRANK, front
19	PGF-13934	1	ROD
20	PGF-14426	1	BRACKET, rear
21	PGF-14779	1	* ROD
22	PGF-14683	1	* SUPPORT, governor control
23	PGF-14578	1	* ROD
23A	782002	1	* YOKE
23B	783002	1	* PIN, yoke
24	PGF-14836	1	% ROD
25	PGF-14676	1	* GOVERNOR, tail shaft
26	PGF-14677	1	* PULLEY
27	753053	1	* SETSCREW, pulley
28	PGF-14783	1	* KEY, pulley
29	PGF-18632	1	* BELT
30	PGF-14581	1	* ROD
31	PGF-14679	1	* SUPPORT, governor
32			* TORQUE CONVERTER (see Allison parts catalog)

Note: * Used on Pacer 146, 246 - Super 166, 266.

% Used on Pacer 145, 245 - Super 165, 265.



(For Part Numbers,
see next page)

GOVERNOR CONTROL LINKAGE - GMC ENGINES WITH CONVERTER
(On Pacer - Super)
(Machine No. 6818 and up)

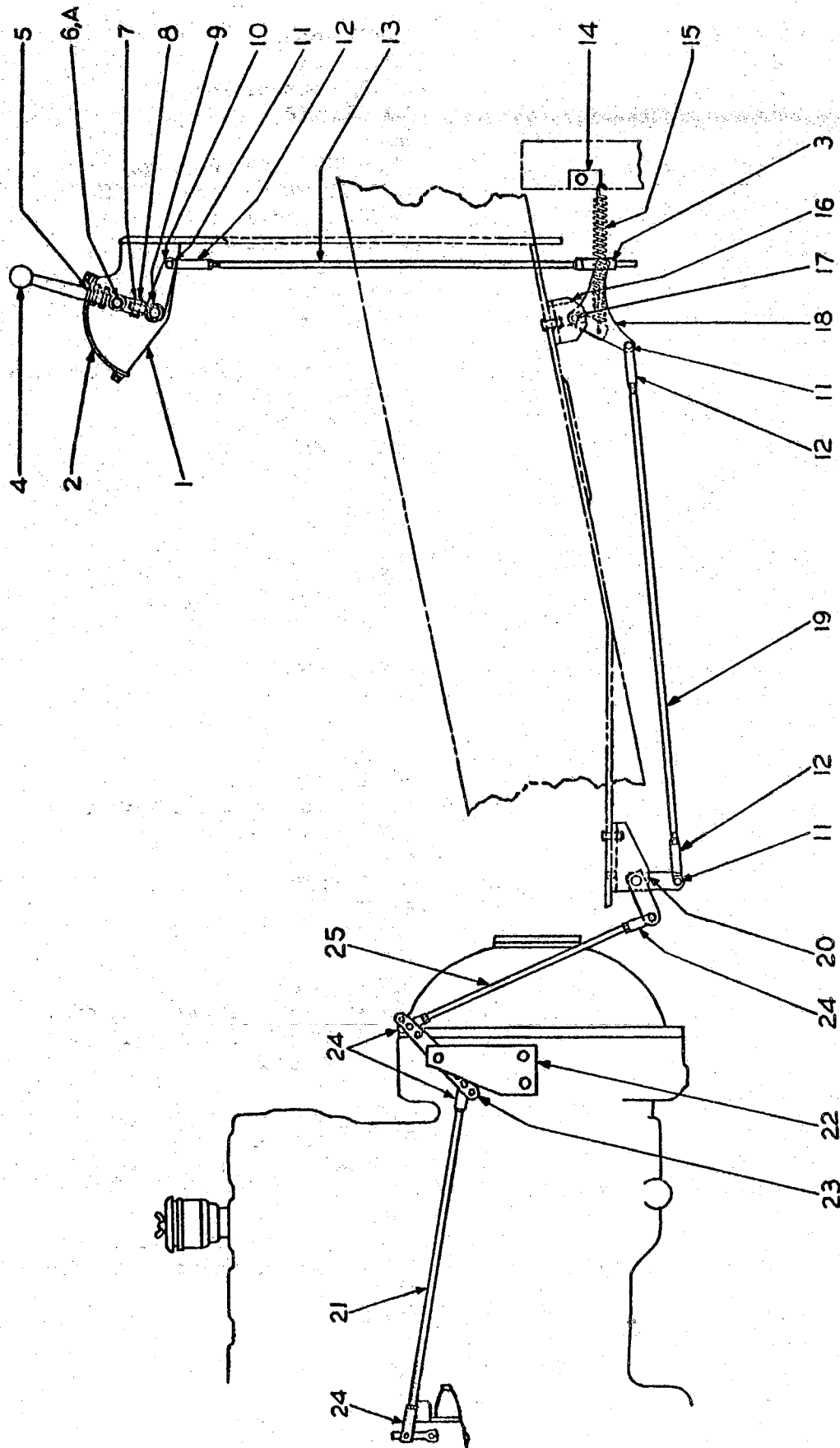
GOVERNOR CONTROL LINKAGE - GMC ENGINES WITH CONVERTER

(On Pacer - Super)

(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-18968	1	LEVER, control
2	742005	4	BOLT, hex
3	PGF-18583	1	STOP, control lever
4	778009	7	LOCKWASHER
5	722001	10	NUT
6	PGF-14679	1	SUPPORT, tail shaft governor
7	PGF-16262-4	5	BALL JOINT for rod - 5/16"
8	PGF-18632	1	BELT for governor
9	PGF-18795	1	SUPPORT, control lever
10	PGF-18009	1	ARM, control lever
11	742164	2	BOLT, hex
12	778010	9	LOCKWASHER
13	722002	14	NUT
14	PGF-18945	1	ROD, control lever to bell crank
15	PGF-18885	1	SUPPORT, bell crank
16	PGF-18831	1	PIVOT ASSEMBLY, pedal
17	PGF-18949	1	BELL CRANK, rear
18	PGF-18952	1	TREAD, adhesive
19	PGF-18921	1	BOLT
20	726006	4	NUT, jam
21	PGF-18888	1	SHAFT
22	PGF-18920	4	WASHER
23	968117	2	PIN, coiled spring
24	PGF-18928	3	SPRING
25	742327	2	BOLT, hex
26	778011	8	LOCKWASHER
27	722003	8	NUT
28	064546	3	FITTING, grease
29	PGF-18835	1	ANGLE
30	742319	6	BOLT, hex, pivot
31	PGF-18886	1	ROD, front bell crank to rear bell crank
32	PGF-18940	1	ARM, pedal
33	722005	1	NUT
34	778013	1	LOCKWASHER
35	PGF-8728	1	ROLLER
36	PGF-8731	1	WASHER
37	PGF-18889	1	PIN
38	166017	1	PIN, cotter
39	PGF-18916	1	ARM ASSEMBLY, front bell crank
40	PGF-18917	1	ARM ASSEMBLY, front bell crank
41	PGF-18884	1	PEDAL ASSEMBLY
42	PGF-14783	1	KEY, for pulley
43	753053	1	SCREW, set
44	PGF-14677	1	PULLEY for governor
45	PGF-14676	1	GOVERNOR, tail shaft
46	783003	2	PIN
46A	782003	2	YOKE
47	PGF-14578	1	ROD - governor to engine
49	PGF-18947	1	ROD - bell crank to governor
50	783002	1	PIN
50A	782002	1	YOKE
51	PGF-14683	1	BELL CRANK
52	PGF-14581	1	ROD
53	PGF-19231	1	BOLT
54	PGF-18954	1	SPACER, support
55	PGF-19317	1	STOP

Effective Machine No. T-100-6818 and up

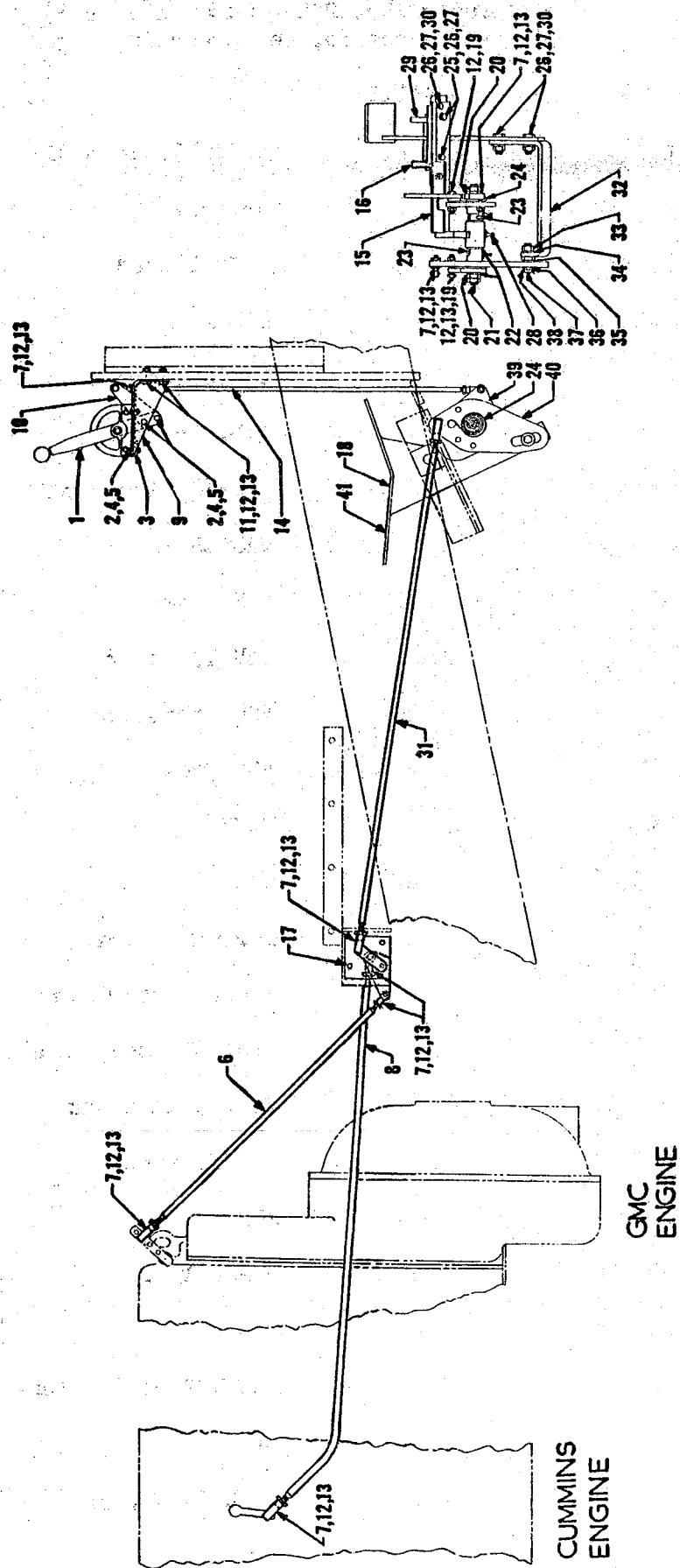


(For Part Numbers,
see next page)

GOVERNOR CONTROL LINKAGE - CUMMINS ENGINE
(On Pacer 145, 245 - Super 165, 265)

GOVERNOR CONTROL LINKAGE - CUMMINS ENGINE
(On Pacer 145, 245 - Super 165, 265)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	FGF-11500	1	SUPPORT, control lever (welded on)
2	FGF-13703	1	RATCHET
3	FGF-12261	1	SWIVEL, rod
4	FG-2100	1	LEVER
5	FGF-12415	1	CLIP, ratchet
6	FGF-12377	1	PIN, lever
6A	MSF-854	1	SPRING, lever pin
7	762004	1	WASHER
8	783004	1	PIN, yoke
9	FGF-13523	1	PIVOT, lever
10	FG-2098	1	ARM, throttle
11	783003	3	PIN, yoke
12	782003	3	YOKE
13	FGF-12378	1	ROD
14	FGF-14198	1	SUPPORT, spring
15	FGF-6299	1	SPRING, bell crank
16	FGF-13887	1	BRACKET, bell crank
17	FGF-11471	1	PIN, bell crank
18	FGF-13888	1	CRANK, front
19	FGF-13934	1	ROD
20	FGF-14426	1	BRACKET, rear
21	FGF-16636	1	ROD
22	FGF-16415	1	BRACKET, bell crank
23	FGF-16414	1	LINK
24	FGF-16262-4	4	BALL JOINT, 5/16"
25	FGF-16263	1	ROD



(For Part Numbers,
see next page)

GOVERNOR CONTROL LINKAGE - CUMMINS AND GMC ENGINES
(On Pacer - Super)

GOVERNOR CONTROL LINKAGE - CUMMINS AND GMC ENGINES WITHOUT TORQUE CONVERTER

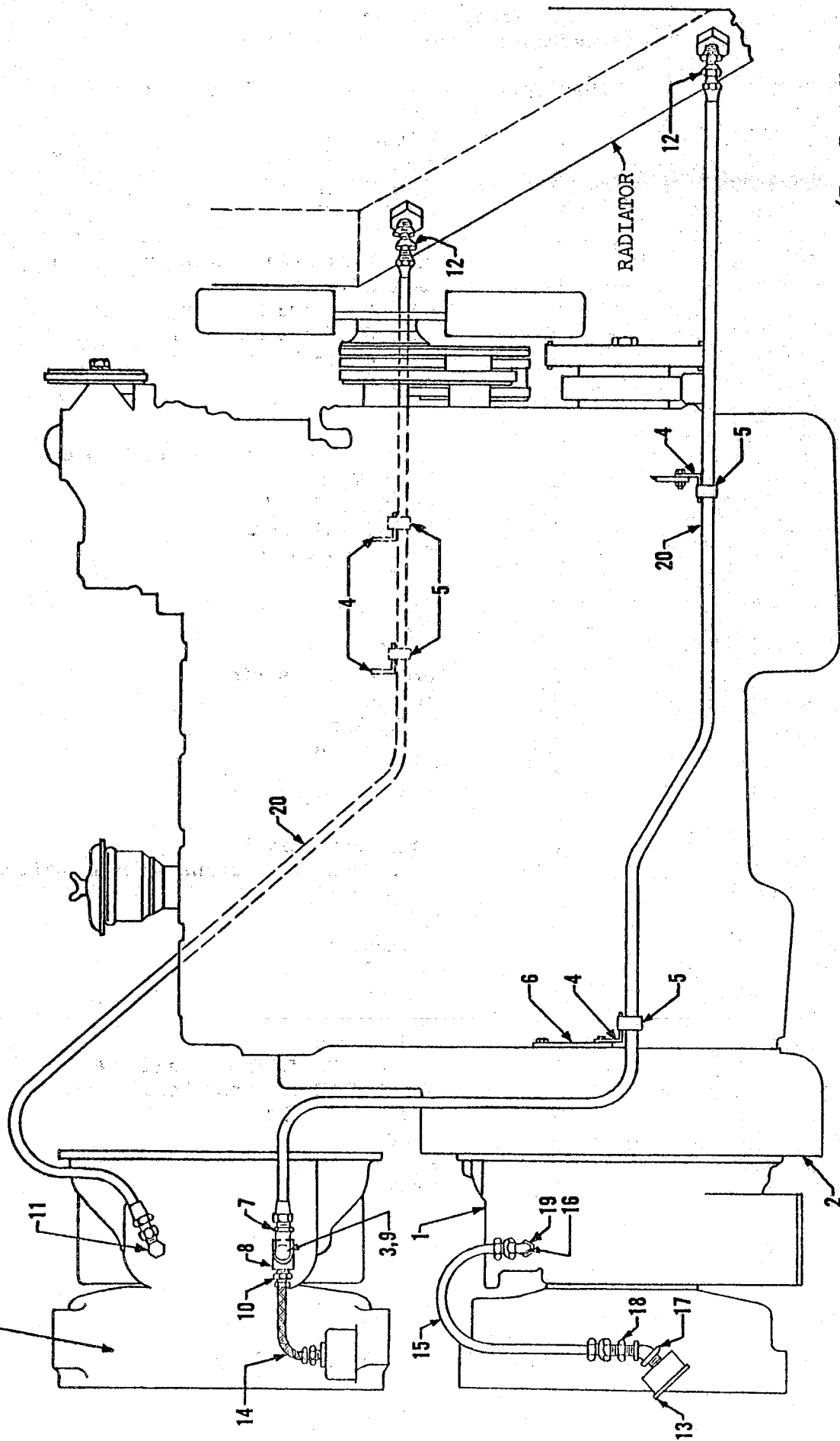
(On Pacer - Super)

(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-18968	1	LEVER, control
2	742005	4	BOLT, hex
3	PGF-18583	1	STOP, control lever
4	778009	4	LOCKWASHER
5	722001	4	NUT
6	PGF-18948	1	ROD, bell crank to engine (GMC engine)
7	PGF-16262-4	6	BALL JOINT for rod, 5/16"
8	PGF-18828	1	ROD, bell crank to engine (Cummins engine)
9	PGF-18795	1	SUPPORT, control lever
10	PGF-18009	1	ARM, control lever
11	742164	2	BOLT, hex
12	778010	10	LOCKWASHER
13	722002	16	NUT
14	PGF-18945	1	ROD, control lever to bell crank
15	PGF-18885	1	SUPPORT, bell crank
16	PGF-18831	1	PIVOT ASSEMBLY, pedal
17	PGF-18949	1	BELL CRANK, rear
18	PGF-18952	1	TREAD, adhesive
19	PGF-18921	1	BOLT
20	726006	4	NUT, jam
21	PGF-18888	1	SHAFT
22	PGF-18920	4	WASHER
23	968117	2	PIN, coiled spring
24	PGF-18928	3	SPRING
25	742327	2	BOLT, hex
26	778011	8	LOCKWASHER
27	722003	8	NUT
28	064546	3	FITTING, grease
29	PGF-18835	1	ANGLE
30	742319	6	BOLT, hex, pivot
31	PGF-18886	1	ROD, front bell crank to rear bell crank
32	PGF-18940	1	ARM, pedal
33	722005	1	NUT
34	778013	1	LOCKWASHER
35	PGF-8728	1	ROLLER
36	PGF-8731	1	WASHER
37	PGF-18889	1	PIN
38	166017	1	PIN, cotter
39	PGF-18916	1	ARM ASSEMBLY, front bell crank
40	PGF-18917	1	ARM ASSEMBLY, front bell crank
41	PGF-18884	1	PEDAL ASSEMBLY
42	PGF-19231	1	BOLT
43	PGF-18954	1	SPACER, support
44	PGF-19317	1	STOP

Effective Machine No. T-100-6818 and up

TOP VIEW OF CONVERTER



(For Part Numbers, see next page)

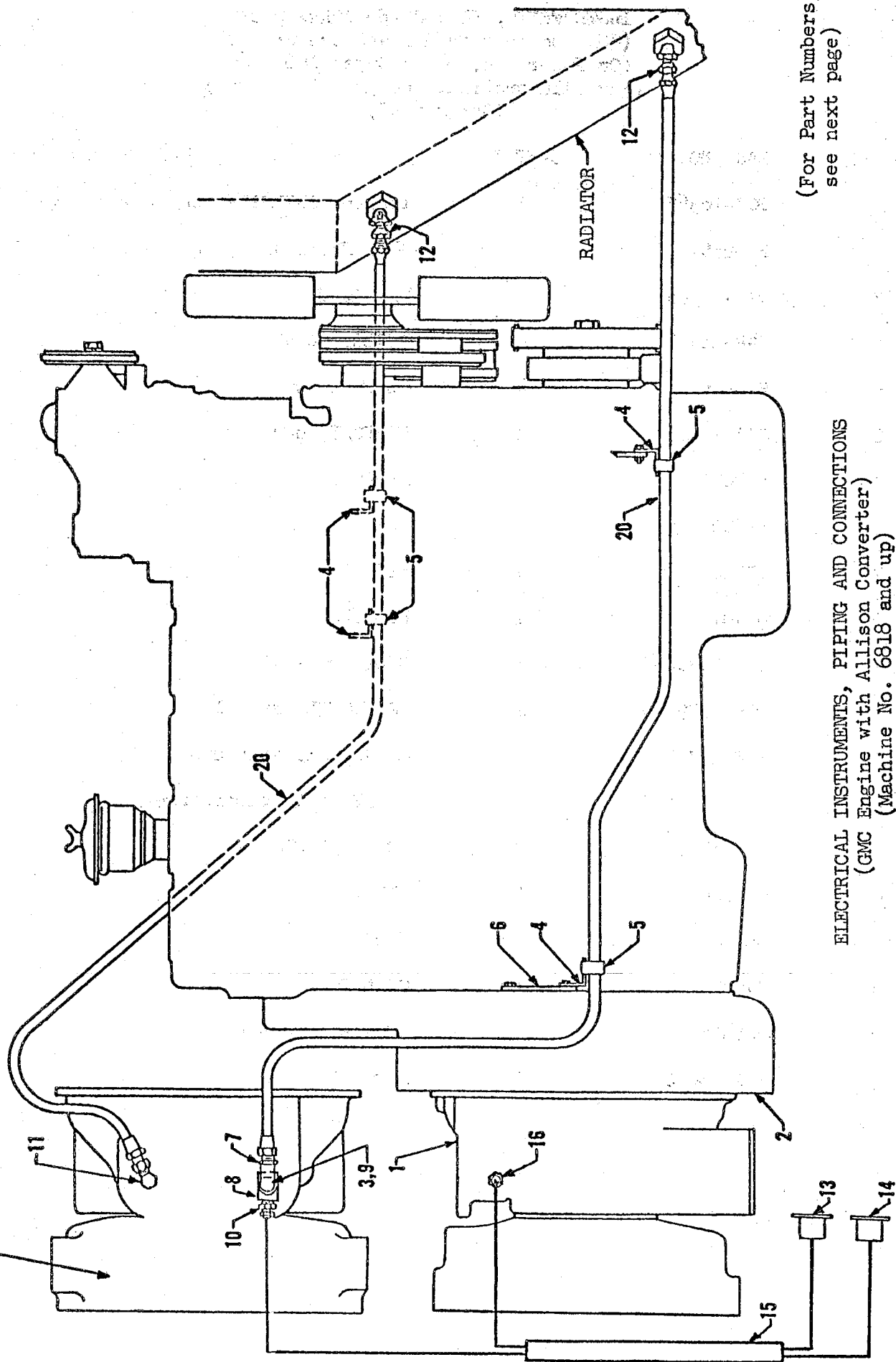
INSTRUMENTS, PIPING AND CONNECTIONS
(GMC Engine with Allison Converter)
(Pacer 146, 246 - Super 166, 266)

INSTRUMENTS, PIPING AND CONNECTIONS
 (GMC Engine with Allison Converter)
 (On Pacer 146, 246 - Super 166, 266)
 (For illustration, see preceding page)
 (Superseded)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-16365	1	TORQUE CONVERTER (see Allison parts catalog)
2	PG-2451	1	ADAPTER, housing to converter
3	PGF-16996	1	RESTRICTOR
4	PGF-16711	4	ANGLE, hose
5	PGF-16710	4	CLIP, hose
6	PGF-17120	1	SUPPORT, hose
7	563005	1	ELBOW
8	538005	1	TEE
9	555186	1	NIPPLE
10	534010	1	REDUCER
11	PGF-12282-7	1	COUPLING - 90°
12	PGF-12294-8	2	CONNECTOR, swivel
13	PGF-15767	1	GAUGE, oil pressure
14	PGF-15769	1	GAUGE, oil temperature
15	PGF-14660	1	HOSE ASSEMBLY
16	835004	1	ELBOW
17	568001	1	ELBOW
18	840003	1	CONNECTOR
19	526008	1	BUSHING, reducer
20	PGF-16640	2	HOSE ASSEMBLY

(For Part Numbers,
see next page)

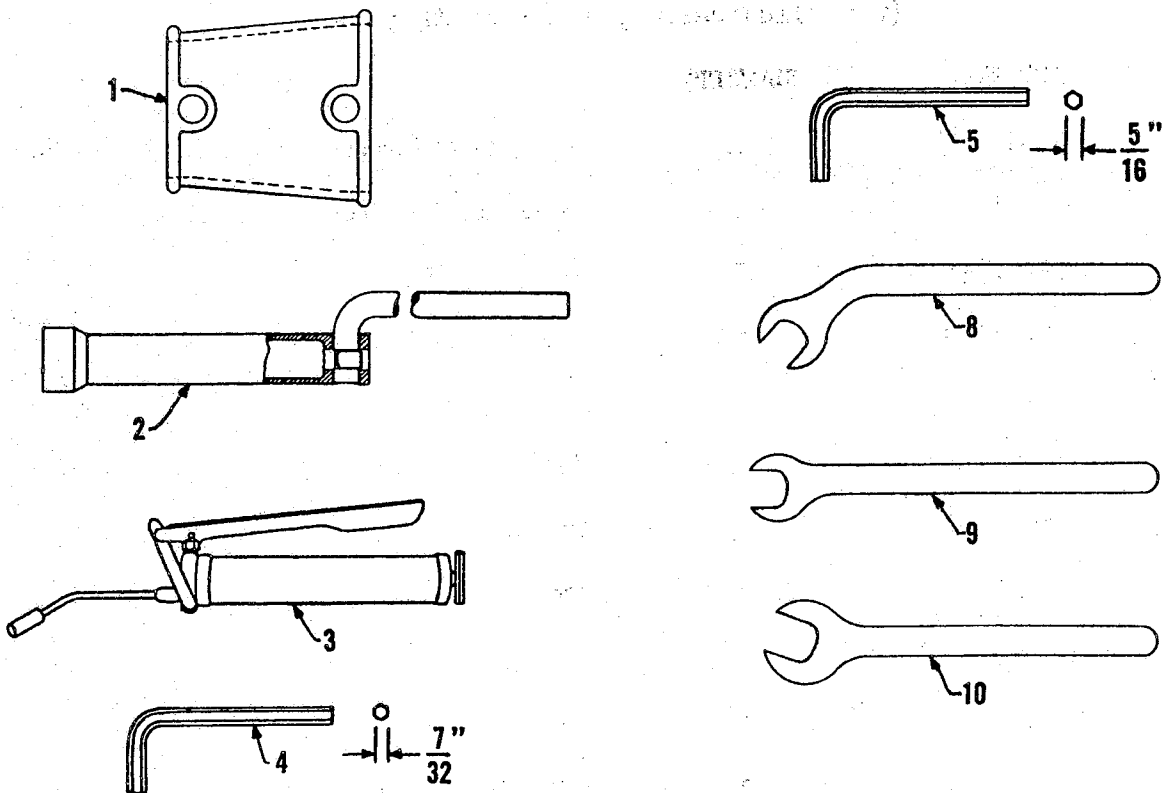
TOP VIEW OF CONVERTER



ELECTRICAL INSTRUMENTS, PIPING AND CONNECTIONS
(GMC Engine with Allison Converter)
(Machine No. 6818 and up)

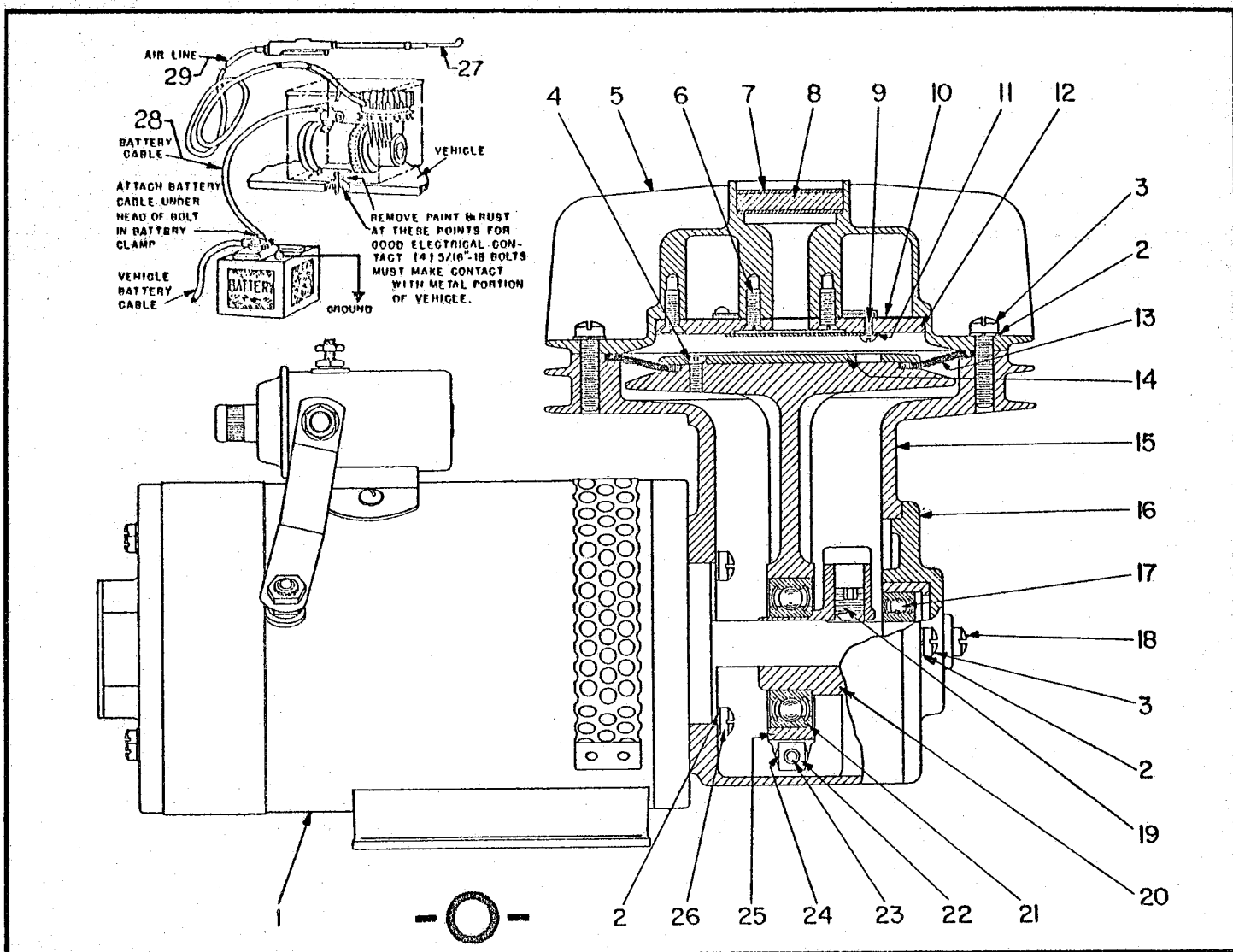
ELECTRICAL INSTRUMENTS, PIPING AND CONNECTIONS
(GMC Engine with Allison Converter)
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-16365	1	TORQUE CONVERTER (see Allison parts catalog)
2	FG-2451	1	ADAPTER, housing to converter
3	PGF-16996	1	RESTRICTOR
4	PGF-16711	4	ANGLE, hose
5	PGF-16710	4	CLIP, hose
6	PGF-17120	1	SUPPORT, hose
7	563005	1	ELBOW
8	538005	1	TEE
9	555186	1	NIPPLE
10	534010	1	REDUCER
11	PGF-12282-7	1	COUPLING - 90°
12	PGF-12294-8	2	CONNECTOR
13	PGF-18421	1	GAUGE, oil pressure
14	PGF-17942	1	GAUGE, oil temperature
15	PGF-18833	1	WIRE ASSEMBLY
16	526007	1	BUSHING, reducer
20	PGF-16640	2	HOSE



TOOLS AND TIRE PUMP

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PG-934	1	WRENCH, front wheel bearing nut
2	PGF-6510	1	WRENCH, wheel stud
3	ASF-6993	1	GREASE GUN
4	848007	1	WRENCH, hollow head cap screw (hydraulic control valves)
5	848030	1	WRENCH, hollow head cap screw (front axle universal joint bearing ring)
8	PGF-10149	1	WRENCH, hydraulic coupling (1-1/8" opening) for 5/8" fitting
9	PGF-10150	1	WRENCH, hydraulic coupling (1-1/8" opening) for 5/8" fitting
10	PGF-10148	1	WRENCH, hydraulic coupling (1-1/4" opening) for 3/4" fitting



PORTABLE AIR COMPRESSOR (TIRE PUMP) - SPECIAL ORDER
(12-volt Battery Operated)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGF-13961	-	ELECTRIC TIRE PUMP (includes Ref. 1 to 29 inclusive)
1	515008	-	ELECTRIC MOTOR, 12-volt
2	515009	-	LOCKWASHER - 1/4"
3	515010	-	SCREW (1-1/4" x 1/4" - 20)
4	515011	-	SCREW (1/2" x #8-32)
5	515012	-	HEAD
6	515013	-	SCREW (1/2" x #10-32)
7	515014	-	SCREEN, retainer
8	515015	-	PAD, filter
9	515016	-	SCREW (3/16" x #6-32)

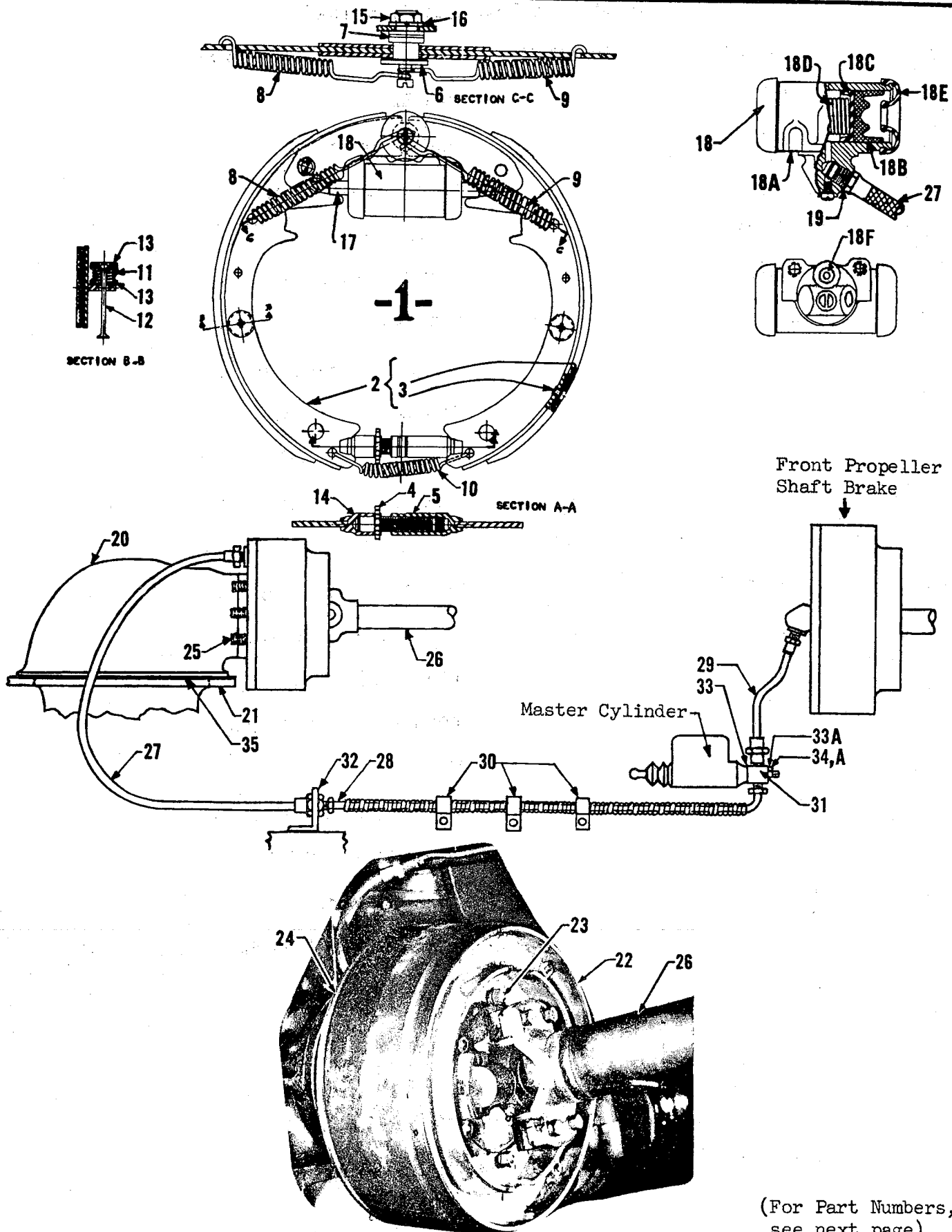
(continued)

(Continued from preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
10	515017	-	GASKET
11	515018	-	VALVE, inlet
12	515019	-	VALVE PLATE ASSEMBLY
13	515020	-	SEAL, air
14	515021	-	PLATE, retaining
15	515022	-	HOUSING
16	515023	-	COVER, outboard bearing
17	515024	-	BEARING, outboard
18	515025	-	SCREW (1/4" x 1/4" - 20)
19	515026	-	SETSCREW, cup point (7/16" x 3/8" - 24)
20	515027	-	ECCENTRIC
21	515028	-	BEARING, connecting rod
22	515029	-	NUT, square (#10-32)
23	515030	-	SCREW (7/8" x #10-32)
24	515031	-	LOCKWASHER (#10 Shakeproof)
25	515032	-	PISTON
26	515033	-	SCREW (3/4" x 3/4" x 1/4" - 20)
27	515034	-	AIR GAUGE ASSEMBLY
28	515035	-	CABLE, battery
29	515006	-	HOSE AND WIRE ASSEMBLY WITH AIR GAUGE

INSTRUCTIONS FOR ORDERING REPAIR PARTS

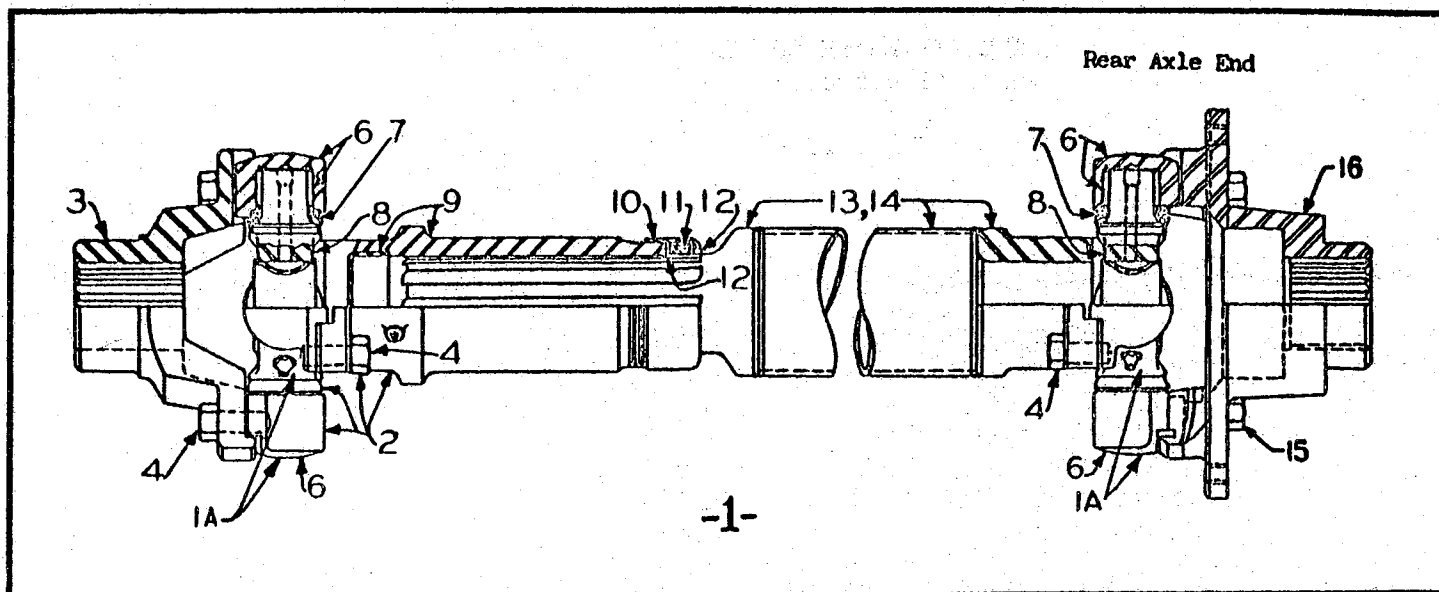
Specify Model and Serial numbers, Part numbers, Part names.



AUXILIARY BRAKE ON REAR AXLE GEAR CARRIER

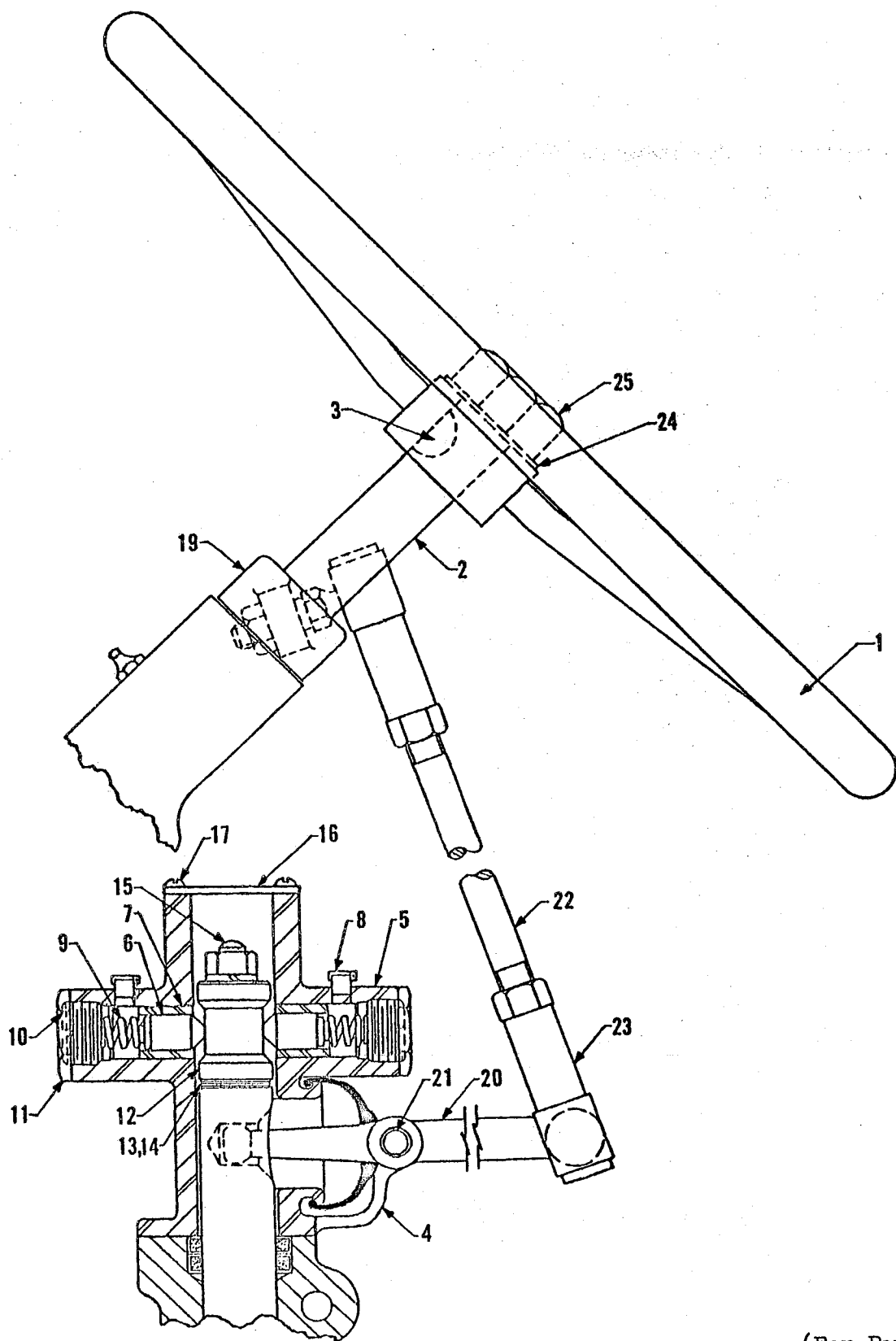
AUXILIARY BRAKE ON REAR AXLE GEAR CARRIER
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-17362	1	BRAKE GROUP (includes Ref. Nos. 2 to 16 inclusive)
2	PGF-17362-55	1	SHOE AND LINING SET (2 shoes lined. Includes Ref. No. 3)
3	PGF-17362-56	1	LINING SET (2 linings - includes rivets)
4	331033	1	SCREW, adjusting
5	331061	1	NUT, pivot, adjusting screw
6	331035	1	GUIDE, anchor pin shoe
7	331053	1	PIN, anchor
8	331039	1	SPRING (primary), anchor to shoe
9	331038	1	SPRING (secondary), anchor to shoe
10	331034	1	SPRING, adjusting screw
11	331020	2	SPRING, shoe hold down
12	331024	2	PIN, spring
13	331021	4	CUP, spring
14	331065	1	SOCKET, adjusting screw
15	331062	1	NUT, anchor pin
16	331027	1	WASHER, lock, anchor pin
17	PGF-7359	2	LINK, connecting
18	PGF-11504	1	CYLINDER GROUP (includes Ref. Nos. 18A to 18F inclusive)
18A	333133	1	CASTING
18B	333014	2	PISTON
18C	333015	2	CUP
18D	333016	1	SPRING, return
18E	333117	2	BOOT
18F	333146	1	SCREW, bleeder
19	ASF-5451	1	GASKET
20	PGFS-15424	1	GEAR CARRIER (includes bearing cap side studs)-(replaces regular part)
21	PGF-16358	1	PLATE, rear axle support (replaces regular part)
22	PG-944	1	DRUM, brake
23	PGF-4450	6	STUD, brake drum
24	PG-2071	1	PLATE, backing
25	PGF-8851	7	STUD, backing plate
26			PROPELLER SHAFT (replaces regular part)-(see separate page)
27	PGF-17561	1	HOSE ASSEMBLY, rear brake (32-1/8" overall length)
28	PGF-16228	1	TUBE ASSEMBLY
29	PGF-18724	1	HOSE ASSEMBLY, front brake (22" overall length)-(replaces regular part)
30	PGF-9524	3	CLAMP
31	HCF-2512	1	FITTING (replaces regular part)
32	PGF-15977	1	CLIP, tube
33	PGF-10896	1	GASKET, master cylinder
33A	PGF-12248	1	GASKET, master cylinder
34	PGF-12249	1	BOLT, fitting - with stop light
34A	PGF-14186	1	BOLT, fitting - without stop light
35	PGF-16359	2	SHIELD, dirt (replaces regular part)



REAR PROPELLER SHAFT
(From Transfer Case to Auxiliary Brake on Rear Axle Gear Carrier)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-18312	1	PROPELLER SHAFT, complete
1A	PGF-8807-57	2	SPIDER AND BEARING GROUP (includes Ref. Nos. 6, 7 and 8 assembled)
2	465126	1	JOINT GROUP (includes Ref. Nos. 4 to 12 inclusive)
3	PGF-18796	1	YOKE, fitting
4	PGF-9717-55	12	CAPSCREW
6		8	BEARING GROUP (not sold separately. Order Ref. No. 1A)
7	465149	8	WASHER, cork
8		2	SPIDER GROUP (not sold separately. Order Ref. No. 1A)
9	465118	1	SLIP YOKE with dust cup
10	465013	1	RETAINER, felt
11	465005	1	FELT
12	465014	2	WASHER, felt retainer
13	PGF-11329-55	1	PROPELLER TUBE AND JOINT GROUP (includes Ref. Nos. 4, 6, 7, 8 and 14)
14	465230	1	PROPELLER TUBE GROUP
15	PGF-10797-57	4	CAPSCREW
16	PGF-18709	1	YOKE, flanged



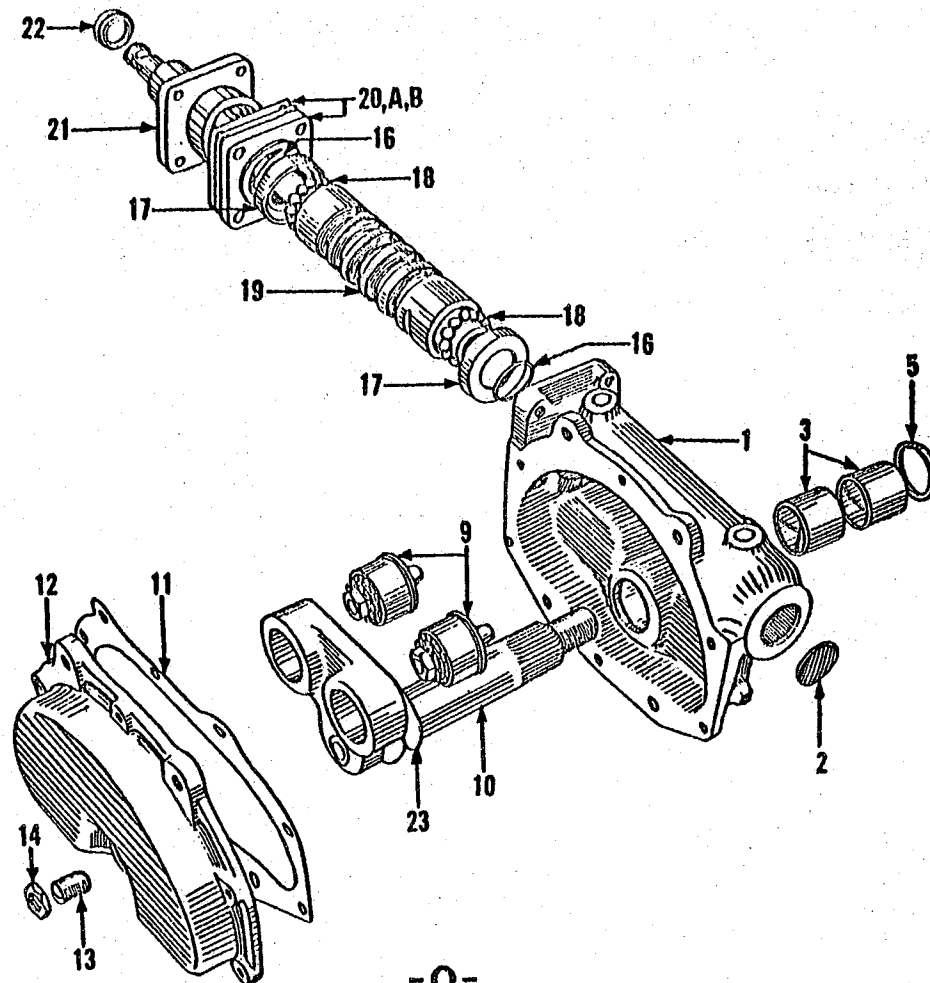
(For Part Numbers,
see next page)

DUOMATIC FRONT STEER MECHANISM

DUOMATIC FRONT STEER MECHANISM
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-15600	1	WHEEL, steering
2	PGF-15491	1	SHAFT, steering wheel
3	111008	1	KEY, Woodruff
4	PG-2386	1	BRACKET, valve lever
5	PG-2448	1	HOUSING, valve sleeve
6	PGF-15615	2	PLUNGER, valve spool
7	PGF-15660	2	BUSHING, valve housing
8	PGF-15621	2	CUP, oil
9	PGF-15672	2	SPRING, valve housing
10	PGF-15764	2	SCREW, adjusting, valve spool
11	724010	2	PALNUT
12	PGF-16055	1	SPOOL, valve plug
13	PGF-15616	3	SHIM, valve spool (.010)
14	PGF-15661	3	SHIM, valve spool (.020)
15	PGF-16056	1	STUD, steer spool
16	PGF-15663	1	COVER, housing
17	747082	2	SCREW, machine
18	PGF-15749	1	INSTRUCTION TAG (not shown)
19	PG-2466	1	LEVER, counterbalance
20	PG-2418	1	LEVER, valve shift
21	PGF-15673	1	BUSHING, valve shift lever
22	PGF-15603	1	ROD, steering link
23	PGF-15602	2	JOINT, ball and socket
24	766015	1	WASHER, lock, external teeth
25	726010	1	NUT, jam

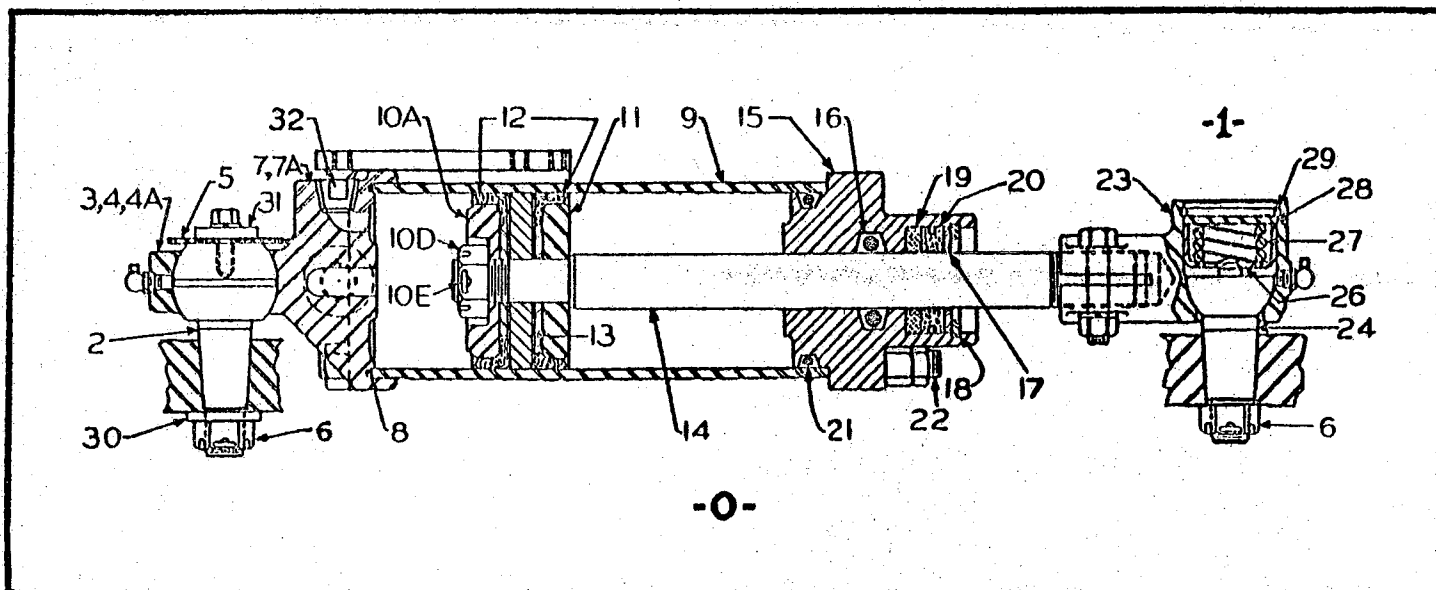
Note: For parts not identified, refer to standard equipment hydraulic valve control pages.



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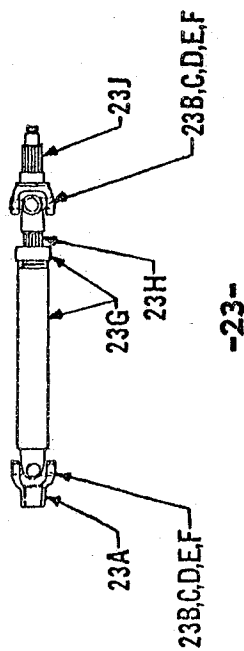
STEERING GEAR UNIT
For Front Wheel Booster Steering

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	FGF-12840	1	STEERING GEAR UNIT
1	422117	1	HOUSING ASSEMBLY (includes Ref. No. 3)
2	422126	1	PLUG, expansion
3	422040	2	BUSHING
5	422041	1	SEAL, oil
9	422112	1 Set	STUD-ROLLER BEARING GROUP (one set consists of two matched units)
10	422014	1	LEVERSHAFT ASSEMBLY
11	422026	1	GASKET, side cover
12	422023	1	COVER, side
13	422024	1	SCREW, adjusting
14	422025	1	NUT, lock
16	422049	2	RING, retaining
17	422047	2	CUP, ball
18	422048	28	BALL
19	422115	1	CAM AND SHAFT ASSEMBLY
20	422061	As req'd	SHIM (.002)
20A	422062	As req'd	SHIM (.003)
20B	422063	As req'd	SHIM (.010)
21	422123	1	COVER ASSEMBLY (includes Ref. No. 22)
22	422021	1	SEAL, oil
23	422120	2	WASHER, spring

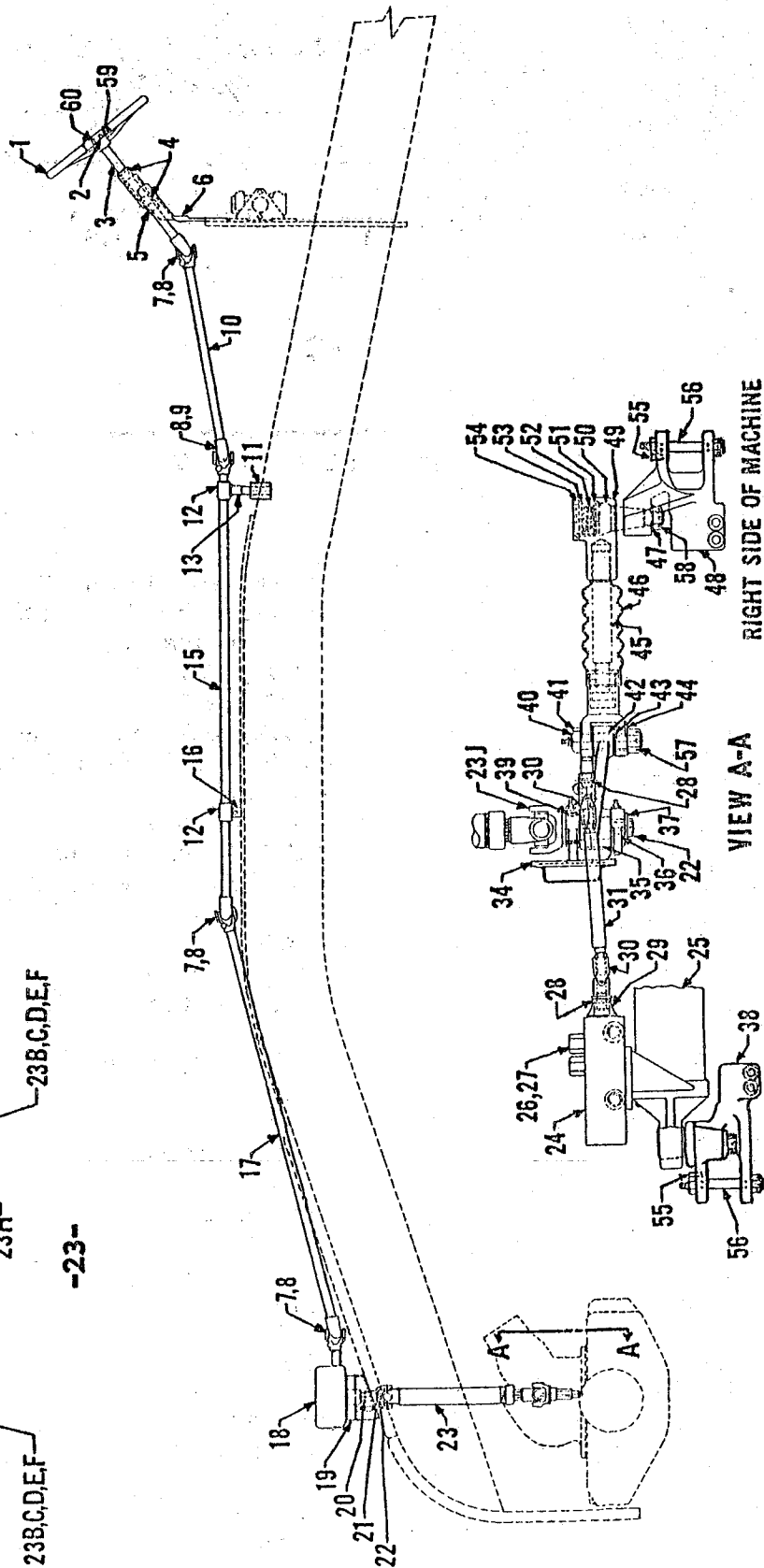


RAM FOR FRONT WHEEL BOOSTER STEERING

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0		1	STEERING RAM GROUP
1	FGUS-9163	1	SOCKET GROUP (includes Ref. Nos. 6 and 23 to 29 inclusive)
2	PGF-8823	1	STUD, ball
3	PGF-19042	1	CAP, ball
4	MGF-1992	4	SHIM, ball cap (.024)
4A	PGF-11856	4	SHIM, ball cap (.010)
5	PGF-3318	1	WASHER
6	734010	2	NUT, slotted
7	PGF-16377	1	BASE (machines up to S-146-6190)
7A	PGF-18317	1	BASE (machine No. S-146-6190 and up)
8	PGF-9648-69	1	"O" RING
9	PGF-16373	1	CYLINDER
10A	PGF-10805	1	SPREADER, outer
10D	PGF-11547	1	NUT, slotted
10E	166037	1	PIN, cotter
11	PGF-8227	1	SPREADER, inner
12	PGF-17086	2	CUP
13	PG-A-694	1	PISTON
14	PGF-8982	1	ROD, piston
15	PG-A-2000	1	HEAD
16	PGF-9648-27	1	"O" RING
17	PGF-13171	1	WASHER
18	PGF-4515	1	RING, snap
19	PGF-7022	1	FELT
20	PGF-7026	1	WIPER
21	PGF-9648-1	1	"O" RING
22	PGF-16375	4	ROD, tie
23	PGF-4256	1	SOCKET
24	PGF-4257	1	STUD, ball
26	PGF-4258	1	SEAT, spring
27	PGF-4259	1	SPRING
28	PGF-4261	1	PLUG
29	PGF-4260	1	WIRE, lock
30	PGF-9944	1	WASHER
31	PGF-10314	1	PLATE, washer
32	812003	1	PLUG, pipe, countersunk head



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VIEW A-A

RIGHT SIDE OF MACHINE

(For Part Numbers,
see next page)

LINKAGE FOR FRONT WHEEL BOOSTER STEERING

LINKAGE FOR FRONT WHEEL BOOSTER STEERING.
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	FGF-15600	1	WHEEL, steering
2	111008	1	KEY, Woodruff
3	FGF-16221	1	SHAFT, steering wheel
4			BUSHING, steering wheel shaft support (see hydraulic valve control page)
5	FGF-16222	1	COLLAR, steering wheel shaft
6			SUPPORT, steering wheel shaft (see hydraulic valve control page)
7	FGF-12845	3	JOINT, steering shaft
8	111010	7	KEY, Woodruff
9	FGF-12819	1	JOINT, steering shaft
10	FGF-12849	1	SHAFT, rear, steering
11	FGF-12049	1	SUPPORT, steering shaft (welded on)
12	FG-1282	2	BEARING, steering shaft
13	FGF-6563	1	PIN, steering shaft support
15	FGF-12848	1	SHAFT, center, steering
16	FGF-14188	1	SUPPORT, steering shaft bearing
17	FGF-14189	1	SHAFT, front, steering
18			STEERING GEAR UNIT (see separate page)
19	FGF-13846	1	BRACKET, steering gear unit (welded to frame)
20	FGF-12827	1	RING, snap
21	FGF-12747	1	WASHER, upper
22	FGF-12030	2	NUT, slotted
23	FGF-12885	1	PROPELLER SHAFT, complete
23A	465233	1	YOKE, slip
23B	465225	2	SPIDER AND BEARING GROUP (includes Ref. Nos. 23C, D and E assembled; also No. 23F)
23C		8	BEARING GROUP (not sold separately. Order Ref. No. 23B)
23D	465150	8	WASHER, cork
23E		2	SPIDER GROUP (not sold separately. Order Ref. No. 23B)
23F	465226	8	RING, snap
23G	465251	1	PROPELLER TUBE AND CAP GROUP
23H	465252	1	WELD YOKE AND STUD SHAFT GROUP
23J	465224	1	YOKE, slip
24	FGF-13732	1	VALVE UNIT
25			RAM (see separate page)
26	FGF-13741	4	ADAPTER, steer valve
27	FGF-9648-41	4	"O" RING, steer valve adapter
28	739100	2	PIN, groove
29	FGF-14671	1	BOOT
30	FGF-13725	2	JOINT, universal
31	FGF-13728	1	ROD, steer valve
34	FGF-15073	1	BEARING CAP ASSEMBLY (includes Ref. Nos. 36, 39 and one 313098 bearing cup)
35	FG-A-2138	1	ARM, steering
36	FGF-12458	1	BUSHING, lower, steering arm
37	FGF-12459	1	WASHER, lower
38	FG-2272	1	FORK, tie rod (also order FGF-13270 pin)
39	FGF-12886	1	BUSHING, upper, steering arm
40	FGF-12008	1	BOLT, steer valve pivot
41	FGF-5502	1	PIN, locking (for yoke pivot bolt)
42	FGF-13759	1	BUSHING, steering arm
43	FGF-13729	4	WASHER, steering arm
44	FGF-13733	1	YOKE (also order FGF-5502 pin)
45	FGF-13730	1	SHAFT with adjusting nut and bushing
46	FGF-14199	1	BOOT, shaft
47	FGF-9944	1	WASHER, ball stud
48	FG-2271	1	FORK, tie rod (also order FGF-13270 pin)
49	FGF-4256	1	SOCKET
50	FGF-13831	1	STUD, ball
51	FGF-4258	1	SEAT, spring
52	FGF-4259	1	SPRING
53	FGF-4261	1	PLUG
54	FGF-4260	1	WIRE, lock
55	FGF-13270	2	PIN, locking (for fork bolt)
56	FGF-13830	2	BOLT, fork
57	734011	1	NUT, slotted
58	734010	1	NUT, slotted
59	766015	1	WASHER, lock, external teeth
60	726010	1	NUT, jam

(Machines up to S-146-6190)

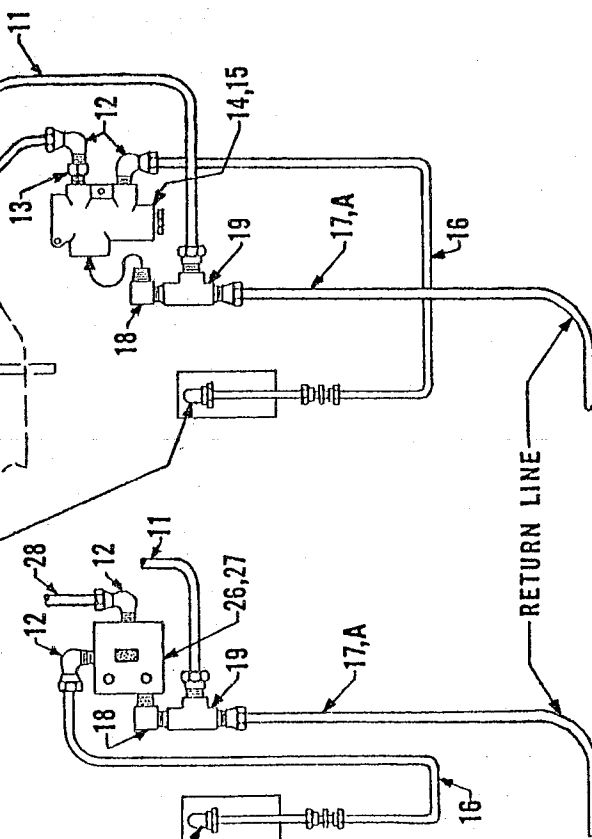
LINKAGE FOR FRONT WHEEL BOOSTER STEERING
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	RGF-15600	1	WHEEL, steering
2	111008	1	KEY, Woodruff
3	RGF-16221	1	SHAFT, steering wheel
4			BUSHING, steering wheel shaft support (see hydraulic valve control page)
5	RGF-16222	1	COLLAR, steering wheel shaft
6			SUPPORT, steering wheel shaft (see hydraulic valve control page)
7	RGF-12845	3	JOINT, steering shaft
8	111010	7	KEY, Woodruff
9	RGF-12819	1	JOINT, steering shaft
10	RGF-12849	1	SHAFT, rear, steering
11	RGF-12049	1	SUPPORT, steering shaft (welded to frame)
12	FG-1282	2	BEARING, steering shaft
13	RGF-6563	1	PIN, steering shaft support
15	RGF-12848	1	SHAFT, center, steering
16	RGF-14188	1	SUPPORT, steering shaft bearing
17	RGF-14189	1	SHAFT, front, steering
18			STEERING GEAR UNIT (see separate page)
19	RGF-13846	1	BRACKET, steering gear unit (welded to frame)
20	RGF-12827	1	RING, snap
21	RGF-12747	1	WASHER, upper
22	RGF-12030	2	NUT, slotted
23	RGF-12885	1	PROPELLER SHAFT, complete
23A	465233	1	YOKE, slip
23B	465225	2	SPIDER AND BEARING GROUP (includes Ref. Nos. 23C, D and E assembled; also Ref. No. 23F)
23C		8	BEARING GROUP (not sold separately. Order Ref. No. 23B)
23D	465150	8	WASHER, cork
23E		2	SPIDER GROUP (not sold separately. Order Ref. No. 23B)
23F	465226	8	RING, snap
23G	465251	1	PROPELLER TUBE AND CAP GROUP
23H	465252	1	WELD YOKE AND STUD SHAFT GROUP
23J	465224	1	YOKE, slip
24		1	VALVE UNIT (see piping page)
25			RAM (see separate page)
26		2	ADAPTER, steer valve (see piping page)
27		2	"O" RING, steer valve adapter (see piping page)
28	739100	2	PIN, groove
29	RGF-18425	1	ADAPTER
30	RGF-13725	2	JOINT, universal
31	RGF-18588	1	ROD, steer valve
34	RGF-15073	1	BEARING CAP ASSEMBLY (includes Ref. Nos. 36, 39 and one 313098 bearing cup)
35	FG-A-2138	1	ARM, steering
36	RGF-12458	1	BUSHING, lower, steering arm
37	RGF-12459	1	WASHER, lower
38	FG-2272	1	FORK, tie rod (also order RGF-13270 pin)
39	RGF-12886	1	BUSHING, upper, steering arm
40	RGF-12008	1	BOLT, steer valve pivot
41	RGF-5502	1	PIN, locking (for yoke pivot bolt)
42	RGF-13759	1	BUSHING, steering arm
43	RGF-13729	4	WASHER, steering arm
44	RGF-13733	1	YOKE (also order RGF-5502 pin)
45	RGF-13730	1	SHAFT with adjusting nut and bushing
46	RGF-14199	1	BOOT, shaft
47	RGF-9944	1	WASHER, ball stud
48	FG-2271	1	FORK, tie rod (also order RGF-13270 pin)
49	RGF-4256	1	SOCKET
50	RGF-13831	1	STUD, ball
51	RGF-4258	1	SEAT, spring
52	RGF-4259	1	SPRING
53	RGF-4261	1	PLUG
54	RGF-4260	1	WIRE, lock
55	RGF-13270	2	PIN, locking (for fork bolt)
56	RGF-13830	2	BOLT, fork
57	734011	1	NUT, slotted
58	734010	1	NUT, slotted
59	766015	1	WASHER, lock, external teeth
60	726010	1	NUT, jam

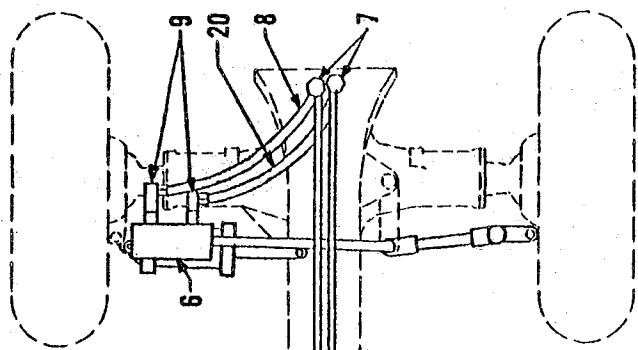
(Machine No. S-146-6190 and up)

Plug front steer valve
with two 813003, 1/2"
square head pipe plugs

Note: Attach pressure line to
last valve in bank or
last attachment valve



Flow Control Valve Assembly
(1st Type)



Top View of Booster Valve at Steer Ram

(For Part Numbers,
see next page)

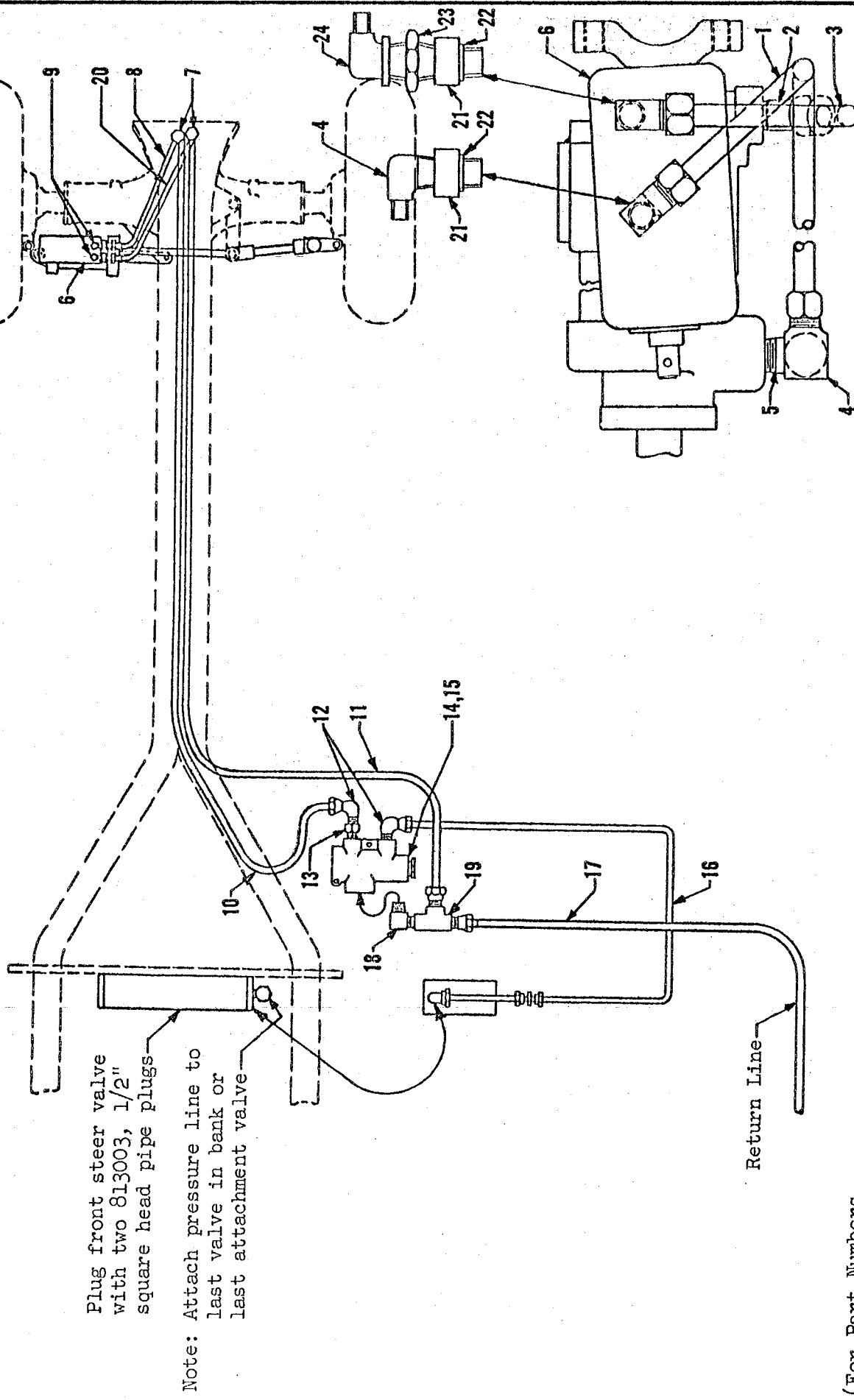
HYDRAULIC PIPING PARTS FOR FRONT WHEEL BOOSTER STEERING

HYDRAULIC PIPING PARTS FOR FRONT WHEEL BOOSTER STEERING
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-16318	1	TUBE ASSEMBLY (5/8" OD x 23-1/4" long, with two PGF-9496-7 sleeves and two PGF-9497-7 nuts)
2	PGF-10331-7	1	ELBOW, 45° male
3	PGF-13763	1	TUBE ASSEMBLY (5/8" OD x 14" long, with two PGF-9496-7 sleeves and two PGF-9497-7 nuts)
4	PGF-10144-7	3	ELBOW, 90° male
5	PGF-9537-4	1	ELBOW, 90° male
6			BOOSTER VALVE (see linkage page)
7	PGF-12331	2	UNION, adapter
8	PGF-14785	1	HOSE ASSEMBLY (25-3/4" overall length)
9	PGF-12282-5	2	COUPLING, 90° male
10	PGF-17830	1	TUBE ASSEMBLY (3/4" OD tubing with two PGF-9496-8 sleeves and two PGF-9497-8 nuts)
11	PGF-13859	1	TUBE ASSEMBLY (3/4" OD x 150-3/4" long, with two PGF-9496-8 sleeves and two PGF-9497-8 nuts)
12	PGF-10144-14	2	ELBOW, 90° male
13	922004	1	ADAPTER, reducer
14	HCF-10103	1	VALVE, flow control (see Ref. 26 for 1st type)
15	PGF-17819	1	* SUPPORT, flow valve
16	PGF-13860	1	TUBE ASSEMBLY (3/4" OD x 54" long, with two PGF-9496-8 sleeves and two PGF-9497-8 nuts)
17	PGF-13872	1	TUBE ASSEMBLY (3/4" OD x 127-5/8" long, with one PGF-9496-8 sleeve and one PGF-9497-8 nut)-(with GMC engine)
17A	PGF-17542	1	TUBE ASSEMBLY (3/4" OD x 133" long, with one PGF-9496-8 sleeve and one PGF-9497-8 nut)-(with Cummins engine)
18	PGF-10104-4	1	ELBOW, 90° male
19	PGF-10146-14	1	TEE
20	PGF-14784	1	HOSE ASSEMBLY (23-3/4" overall length)
21	PGF-13769	6	* STUD, tube clamp
22	PGF-13770	6	* PLATE for tubes
23	PGF-11680	4	* CLAMP for tubes
24	PGF-13853	1	* SUPPORT, tube
25	PGF-9522	1	* CLAMP, tube (return line)
26	PGF-18067	1	VALVE, flow control (1st type)
27	PGF-13854	1	* SUPPORT, flow valve
28	PGF-13861	1	TUBE ASSEMBLY (3/4" OD x 147-1/2" long, with two PGF-9496-8 sleeves and two PGF-9497-8 nuts)

Note: * Parts not illustrated.

(Machines up to S-146-6190)



Plug front steer valve
with two 813003, 1/2"
square head pipe plugs

Note: Attach pressure line to
last valve in bank or
last attachment valve

Return Line

(For Part Numbers,
see next page)

Top View of Booster Valve at Steer Ram

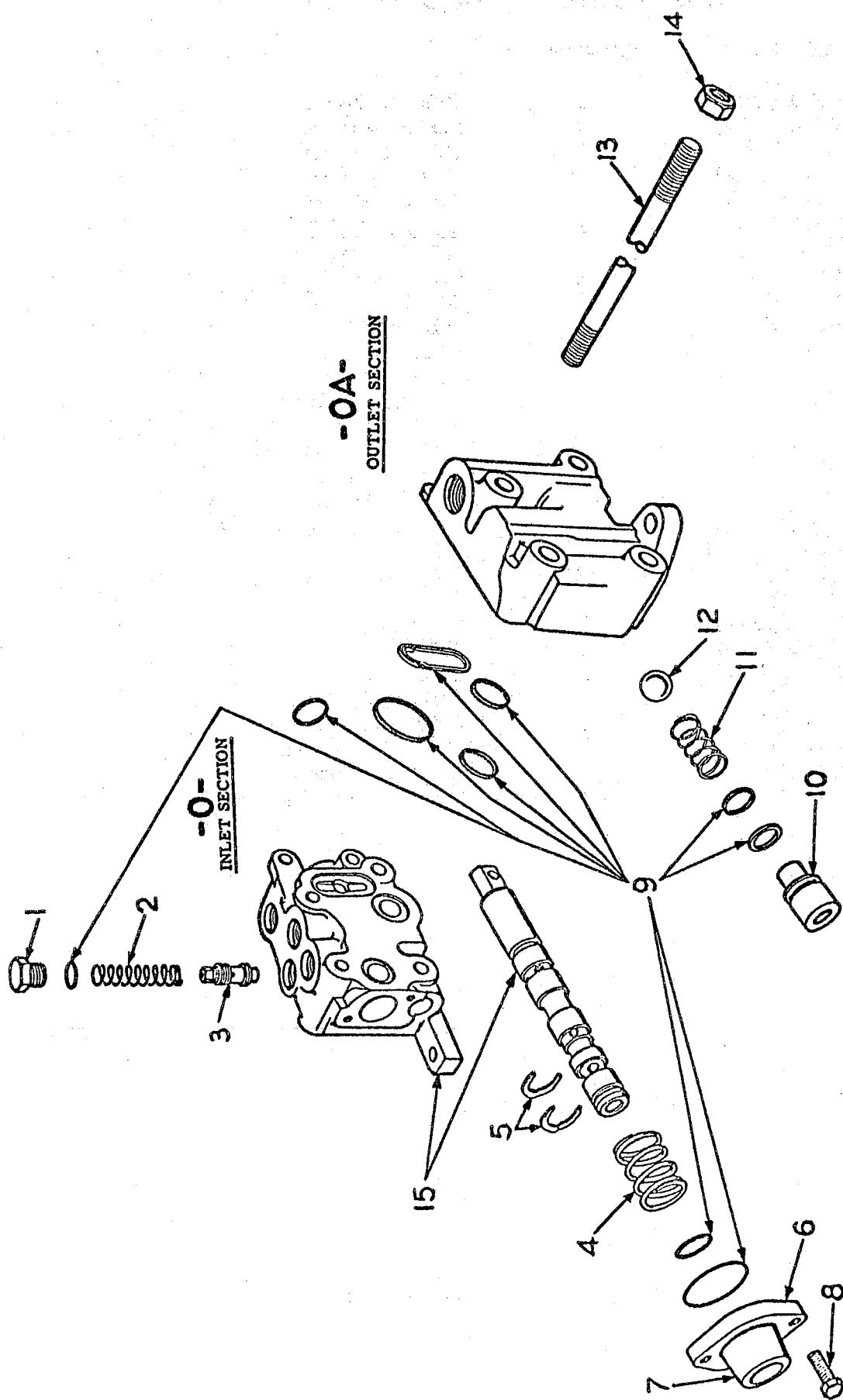
HYDRAULIC PIPING PARTS FOR FRONT WHEEL BOOSTER STEERING

HYDRAULIC PIPING PARTS FOR FRONT WHEEL BOOSTER STEERING
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-16318	1	TUBE ASSEMBLY
2	PGF-10331-7	1	ELBOW, 45° male
3	PGF-18599	1	TUBE ASSEMBLY
4	PGF-10144-7	2	ELBOW, 90° male
5	PGF-9537-4	1	ELBOW, 90° male
6	PGF-18584	1	BOOSTER VALVE
7	PGF-12331	2	UNION, adapter
8	PGF-14785	1	HOSE ASSEMBLY (25-3/4" overall length)
9	PGF-7630-8	2	COUPLING, 90° male
10	PGF-17830	1	TUBE ASSEMBLY
11	PGF-13859	1	TUBE ASSEMBLY
12	PGF-10144-14	2	ELBOW, 90° male
13	922054	1	ADAPTER, reducer
14		1	VALVE, flow control (see separate page)
15	PGF-18153	1	* SUPPORT, flow valve
16	PGF-18516	1	TUBE ASSEMBLY
17	PGF-13872	1	TUBE ASSEMBLY
18	PGF-10104-4	1	ELBOW, 90° male
19	PGF-10146-14	1	TEE
20	PGF-14784	1	HOSE ASSEMBLY (23-3/4" overall length)
21	PGF-18590	2	ADAPTER
22	PGF-9648-41	2	"O" RING
23	PGF-18591-4	1	NIPPLE
24	PGF-10145-7	1	ELBOW
25	PGF-13769	6	* STUD, tube clamp
26	PGF-13770	6	* PLATE for tubes
27	PGF-11680	4	* CLAMP for tubes
28	PGF-13853	1	* SUPPORT, tube
29	PGF-9522	1	* CLAMP, tube (return line)

Note: * Parts not illustrated.

(Machine No. S-146-6190 and up)



(For Part Numbers,
see next page)

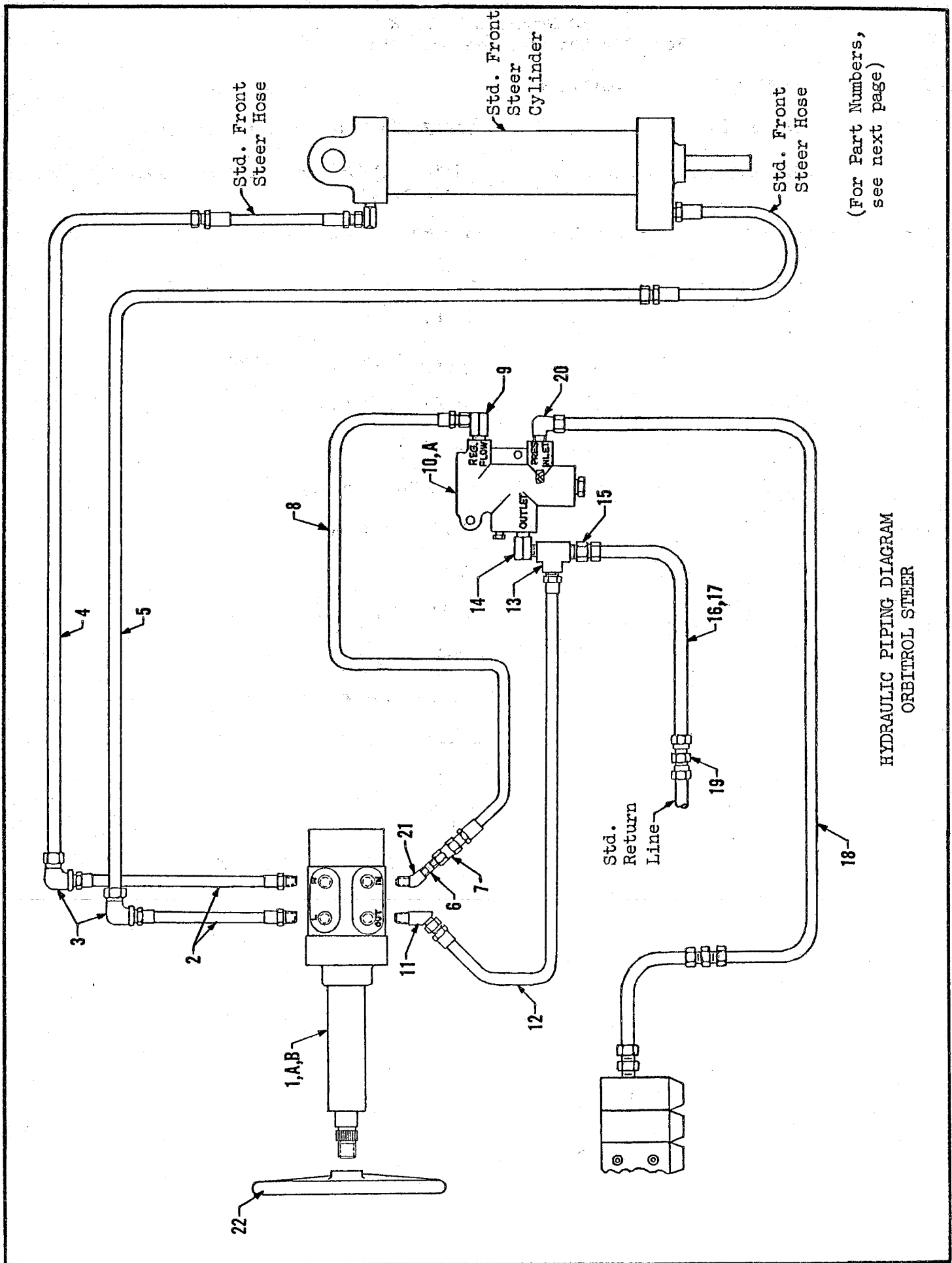
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BOOSTER STEER VALVE

BOOSTER STEER VALVE
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
00	PGF-18584	1	VALVE (includes Ref. No. 0 and OA)
0	503571	1	INLET SECTION (includes Ref. Nos. 1 to 15 inclusive)
OA	503572	1	OUTLET SECTION
1	503573	1	PLUG
2	503574	1	SPRING
3	503575	1	RELIEF VALVE SUB ASSEMBLY
4	503576	1	SPRING, centering
5	503577	2	"C" WASHER
6	503578	1	RETAINER, end cap
7	503579	1	SLEEVE, end cap
8	503580	2	SCREW
9	503581	1	GASKET KIT
10	503582	1	PLUG
11	503583	1	SPRING, check valve
12	503199	1	BALL
13	503584	4	STUD
14	503308	8	NUT
15		1	SPOOL AND BODY (order Ref. 0)

(Machine No. S-146-6190 and up)

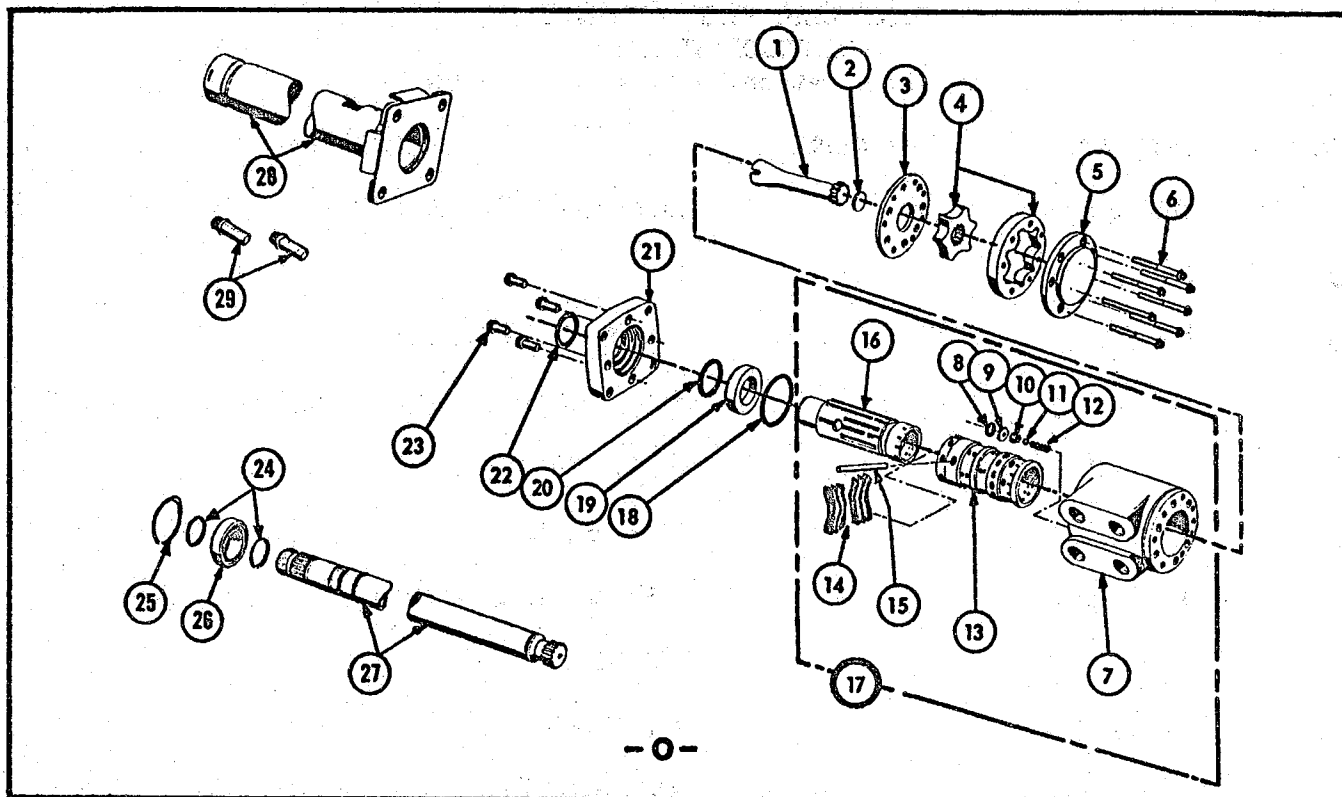


(For Part Numbers, see next page)

HYDRAULIC PIPING DIAGRAM
ORBITROL STEER

HYDRAULIC PIPING DIAGRAM
ORBITROL STEERING
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-17642	1	ORBITROL STEERING UNIT
1A	PGF-17660	1	BRACKET
1B	TF-382	1	SPACER, valve bracket
2	PGF-17805	2	HOSE, orbitrol to ram (14" overall length)
3	PGF-10145-7	2	ELBOW, 90° female
4	PGF-17811	1	PIPE ASSEMBLY - front steer cylinder
5	PGF-17810	1	PIPE ASSEMBLY - front steer cylinder
6	530092	1	NIPPLE
7	PGF-17661	1	VALVE, check
8	PGF-17807	1	HOSE ASSEMBLY - steer unit to regulator (12" overall length)
9	PGF-12282-4	1	COUPLING, 90° male anchor
10	HCF-10103	1	REGULATOR, flow
10A	PGF-18153	1	BRACKET, regulator
11	PGF-12287-3	1	ELBOW, 45° male swivel
12	PGF-17806	1	HOSE, return line from orbitrol (19" overall length)
13	HCF-1596-3	1	TEE, service
14	PGF-10104-4	1	ELBOW, 90° street
15	PGF-10143-14	1	COUPLING, Ermeto - male connector
16	PGF-17542	1	PIPE ASSEMBLY - return line - Cummins
17	PGF-13872	1	PIPE ASSEMBLY - return line - GMC
18	PGF-18516	1	PIPE ASSEMBLY - pressure line
19	PGF-9812-8	1	UNION, Ermeto coupling
20	PGF-10144-14	1	ELBOW, Ermeto coupling, 90° male
21	PGF-1598-3	1	ELBOW, 90° street
22	PGF-17666	1	STEERING WHEEL



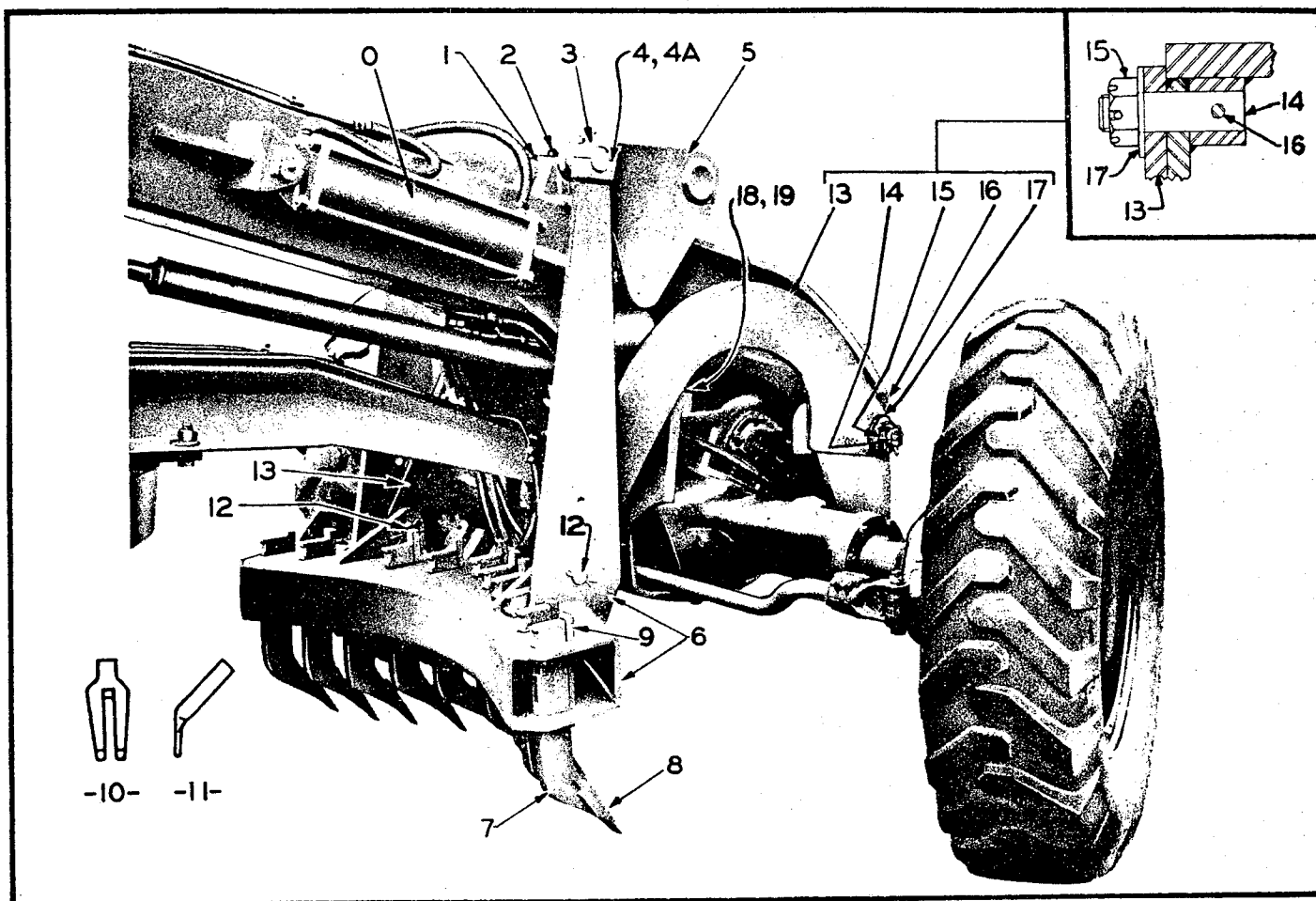
STEERING UNIT - ORBITROL

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	RGF-17642	1	STEERING UNIT - ORBITROL (includes Ref. Nos. 1 to 29 inclusive)
1	190042	1	DRIVE
2	190024	1	SPACER
3	190047	1	PLATE
4	190025	1	GERATOR SET
5	190046	1	CAP, end
6	190045	7	CAPSCREW
7		1	HOUSING (not sold separately)-(see Ref. 17)
8	190037	1	"O" RING, seal
9	190048	1	PLUG, seal
10	190059	1	SEAT, check
11	190040	1	BALL, steel
12	190041	1	SPRING, compression
13		1	SLEEVE, control (not sold separately)-(see Ref. 17)
14	190034	6	SPRING, centering
15	190035	1	PIN, centering
16		1	SPOOL, control (not sold separately)-(see Ref. 17)
17	190036	1	CONTROL PARTS ASSEMBLY
18	190033	1	"O" RING, seal
19	190032	1	BUSHING, cap locator
20	190031	1	SEAL, quad ring
21	190029	1	PLATE, mounting
22	190028	1	SEAL, oil
23	190049	4	CAPSCREW
24	190053	2	RING, snap
25	190080	1	RING, retaining
26	190052	1	BEARING
27	190081	1	STEERING SHAFT ASSEMBLY
28	190082	1	TUBE AND FLANGED ASSEMBLY
29	190083	2	CAPSCREW

C

C

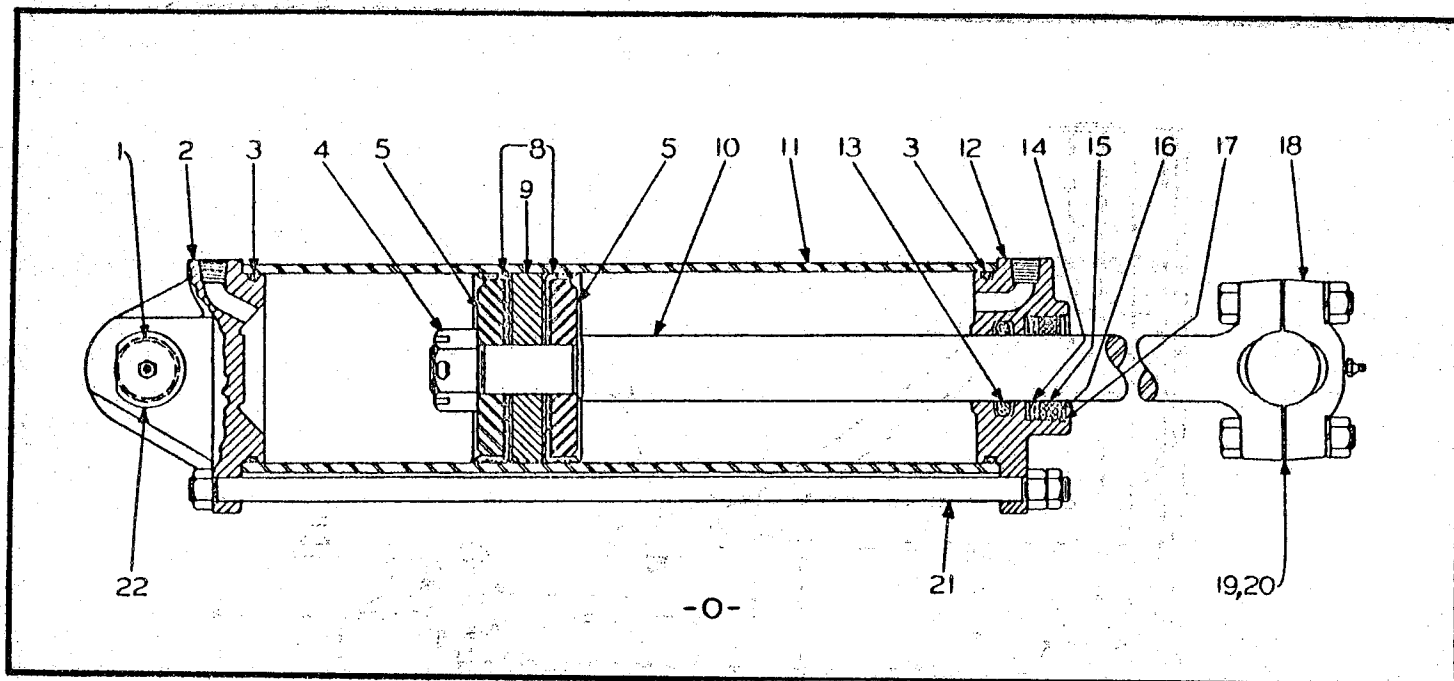
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SCARIFIER

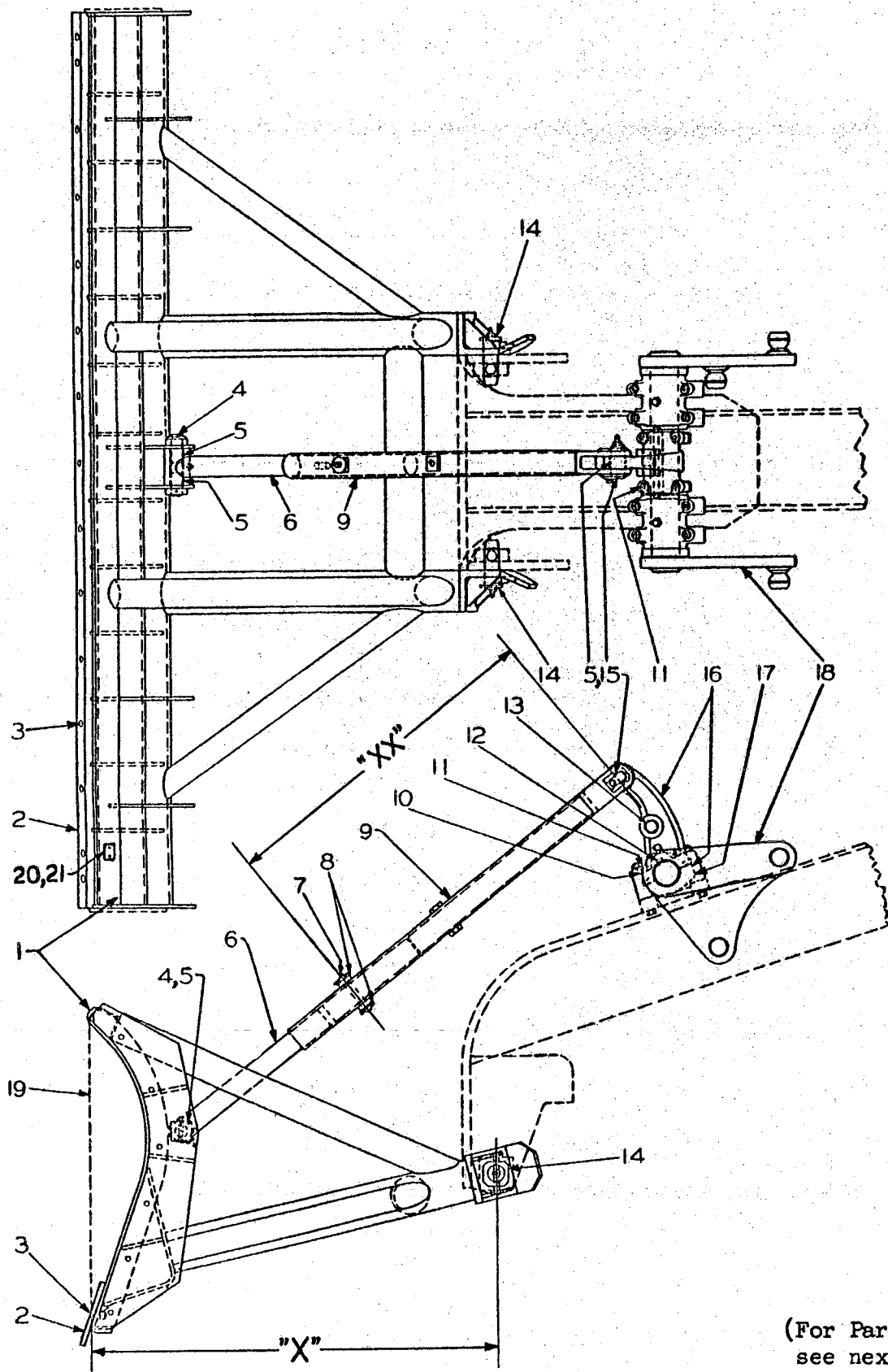
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0			SCARIFIER RAM GROUP (see separate page)
1	742992	4	BOLT
2	PGF-10844	4	STUD
3	PGF-19042	2	CAP
4	MGF-1992	8	SHIM (.024)
4A	PGF-11856	8	SHIM (.010)
5	PGF-10841	1	SHAFT WITH BEARINGS
6	PGF-18961	1	BLOCK
7	PGF-5375	11	SHANK, tooth
8	PGF-5376	11	POINT, tooth
9	PGF-16401	11	WEDGE, tooth
10	PGF-5698	1	REMOVER, point
11	MGF-2454	1	REMOVER, wedge
12	PGF-9049	2	PIN
13	PGF-17569	2	ARM
14	PGF-6640	2	PIN
15	PGF-6641	2	NUT, slotted
16	PGF-14786	2	PIN
17	MGF-1185	2	WASHER
18	PGF-13637	1	* LATCH - R.H., arm
19	PGF-13638	1	* LATCH - L.H., arm
20	PGF-17639	1	PLATE, name, serial number (not shown)
21	751002	2	SCREW, serial number plate (not shown)

Note: * Indicates parts used when machine is equipped with a bulldozer or snow plow in addition to scarifier.



SCARIFIER RAM
(Also used with Bulldozer)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
0	PGU-8110	1	SCARIFIER RAM GROUP (includes Ref. Nos. 1 to 21 inclusive)
1	PGF-10455	1	BUSHING
2	PGP-1999	1	BASE WITH BUSHING (includes Ref. No. 1)
3	PGF-9648-19	2	"O" RING
4	734013	1	NUT, slotted
5	PGF-3255	2	SPREADER
8	PGF-11776	2	CUP
9	PG-A-862	1	PISTON
10	PGF-19048	1	ROD, piston
11	PGF-11069	1	CYLINDER
12	PG-A-2014	1	HEAD
13	PGF-9648-29	1	"O" RING
14	SPF-1122	1	FELT
15	PGF-9225	1	WIPER
16	SPF-1098	1	WASHER
17	SPF-1094	1	RING, snap
18	PGF-19042	1	CAP
19	MGF-1992	4	SHIM (.024)
20	PGF-11856	4	SHIM (.010)
21	PGF-11070	4	ROD, tie
22	PGF-10457	1	PIN



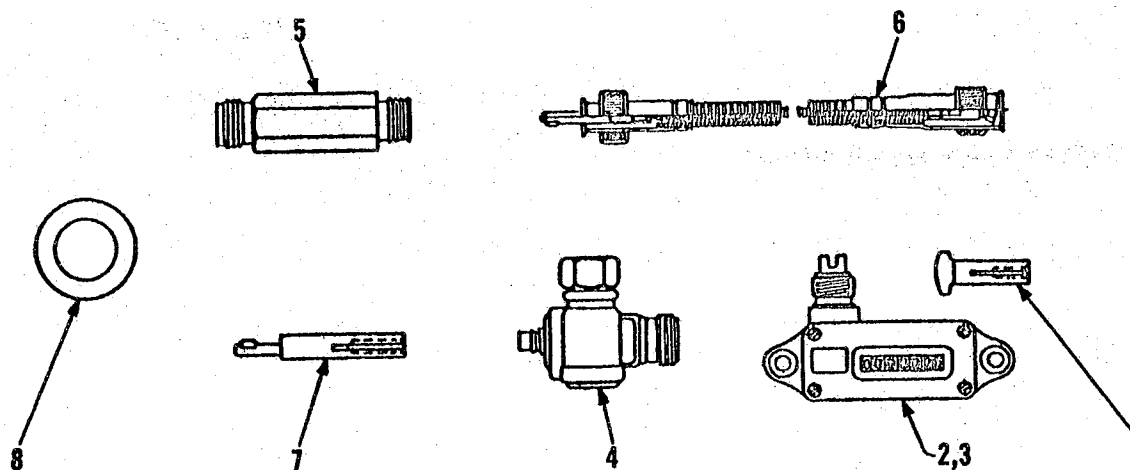
(For Part Numbers,
see next page)

BULLDOZER

BULLDOZER
(For illustration, see preceding page)

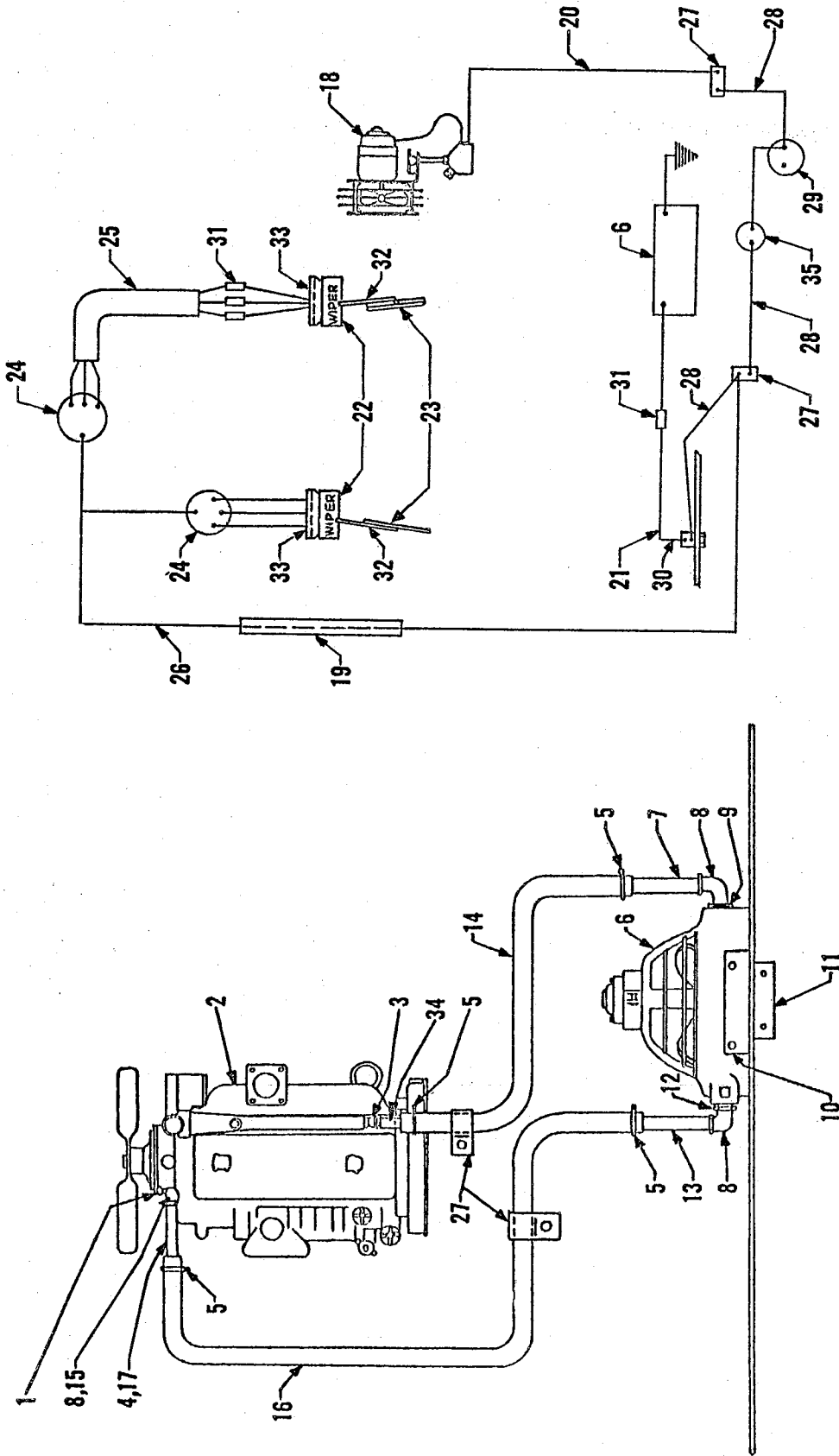
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	FGU-2933	1	BLADE ASSEMBLY WITH BIT (includes Ref. Nos. 2 and 3)-(X = 54-5/8")
2	PGF-9556	1	BIT (5/8" x 8" x 9')
3	RGF-6461	15	BOLT, bit
4	PGF-10726	1	PIN
5	SPF-1100	3	BUSHING
6	PGF-17358	1	ROD, lift
7	SPF-1085	1	PIN
8	762009	2	WASHER
9	PGF-17357	1	TUBE, lift (XX = 43")
10	766014	4	WASHER, lock, external teeth
11	PGF-16170	4	STUD
12	PGF-10848	1	KEY, lift arm
13	SPF-1204	2	BUSHING
14	PGF-10736	2	PIN, pivot
15	PGF-10731	1	PIN, with keeper
16	PGPA-1948	1	LIFT ARM WITH CAP (includes Ref. Nos. 11 & 17)
17		1	* CAP, lift arm
18			SCARIFIER LIFT SHAFT (see separate page)
19	FGU-1690	1	BLADE LANDSIDE (special order)
20	PGF-17639	1	PLATE, name, serial number
21	751002	2	SCREW, serial number plate

Note: * Indicates part not sold separately. Order Ref. No. 16 - PGPA-1948 lift arm with cap.



ODOMETER

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	PGF-3850	1	DRIVE TIP
2	PGF-9361	1	ODOMETER - mile reading
3	PGF-9831	1	ODOMETER - kilometer reading (special order)
4	PGF-11944	1	JOINT, right angle (.294 ratio)
5	PGF-9889	1	SLEEVE, extension
6	PGF-9364	1	SHAFT, flexible
7	PGF-9888	1	EXTENSION, shaft
8	NES-1652	1	WASHER



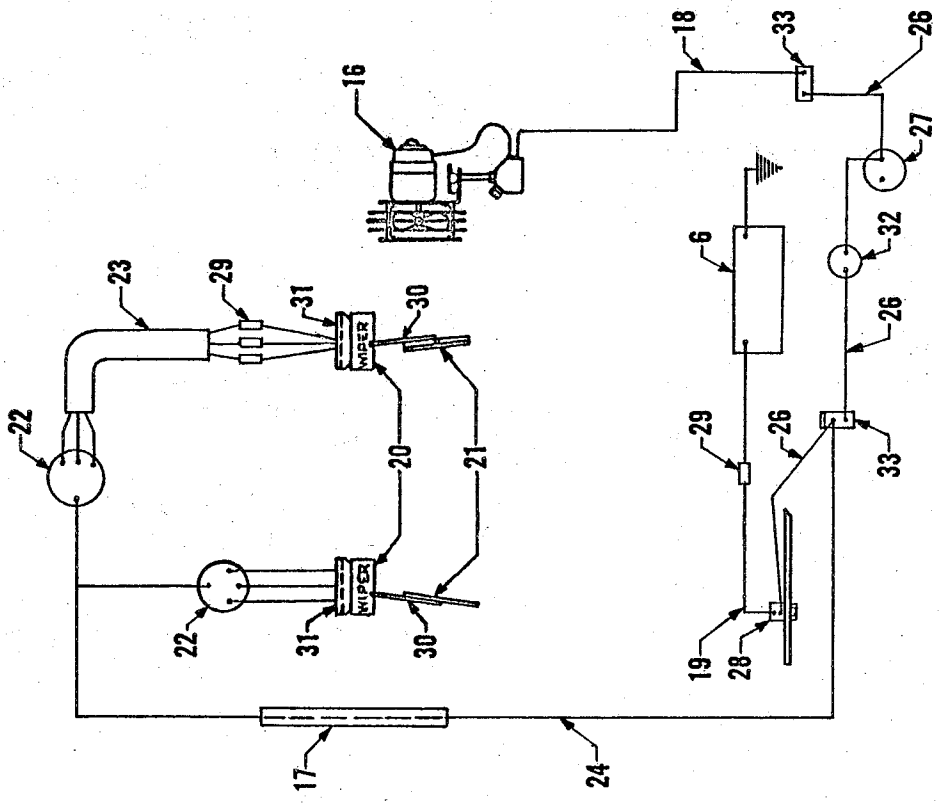
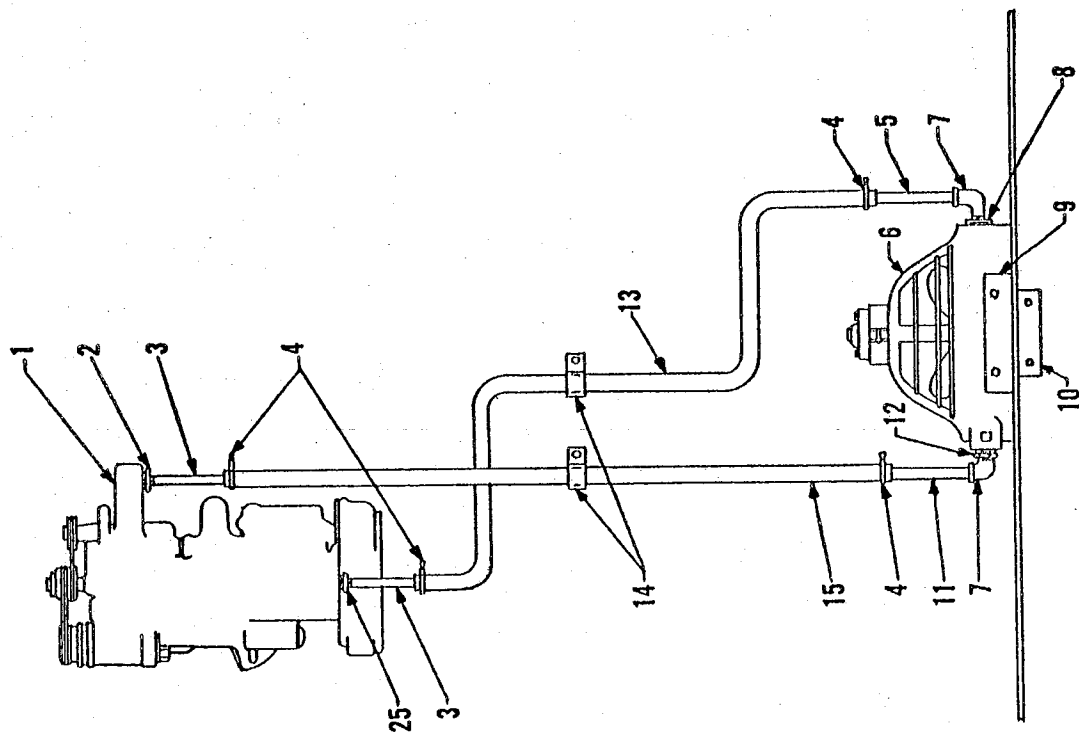
(For Part Numbers,
see next page)

HEATER, DEFROSTER AND WINDSHIELD WIPERS - GMC ENGINE

HEATER, DEFROSTER AND WINDSHIELD WIPERS - GMC ENGINE
(For illustration, see preceding page)

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	OIL COOLER HOUSING
2		1	ENGINE
3	884004	1	BUSHING, reducer
4	556101	1	PIPE (only on engine without converter)
5	034010	4	CLAMP, hose
6	PGF-12649	1	HEATER
7	PGF-12565	1	PIPE
8	563852	3	ELBOW, 90° street
9	PGF-13987	1	BUSHING
10	PGF-10129	1	ANGLE, heater mounting
11	PGF-10113	1	PLATE, heater support
12	884008	1	BUSHING, reducer
13	556119	1	PIPE
14	PGF-13963	1	HOSE, heater (5/8" ID x 45")
15	564051	1	ELBOW, 45° street (used with Ref. 8 on engine with converter)
16	PGF-10132	1	HOSE, heater (5/8" ID x 69")
17	556095	1	PIPE (only on engine with converter)
18	PGF-19278	1	FAN, defroster
19	PGF-19484	1	LOOM
20	PGF-19482	1	WIRE
21	PGF-12642	1	WIRE
22	PGF-18675	2	WIPER, windshield
23	PGF-18671	2	BLADE, wiper
24	PGF-18713	2	SWITCH, wiper
25	PGF-19478	1	WIRE
26	PGF-19477	2	CLIP
27		2	CIRCUIT BREAKER (see regular wiring)
28	HCF-6359	3	WIRE
29		1	AMMETER
30		1	SWITCH, heater
31	PGF-10421	2	CONNECTOR, wire
32	PGF-18662	2	ARM, wiper
33	PGF-17782	2	PLATE, mounting
34	556101	1	PIPE
35		1	IGNITION SWITCH (see regular wiring)
36	PGF-18680	2	* LINK, wiper
37	PGF-18676	2	* PIVOT, shaft, wiper
38	PGF-18679	4	* SPRING CLIP, wiper
39	PGF-18691	2	* NUT, wiper
40	PGF-18690	2	* GASKET, wiper
41	PGF-18678	4	* WASHER, wiper
42	PGF-18677	2	* SPACER, outer, wiper
43	HCF-2788	6	* CLAMP, loom

Note: * Parts not illustrated.



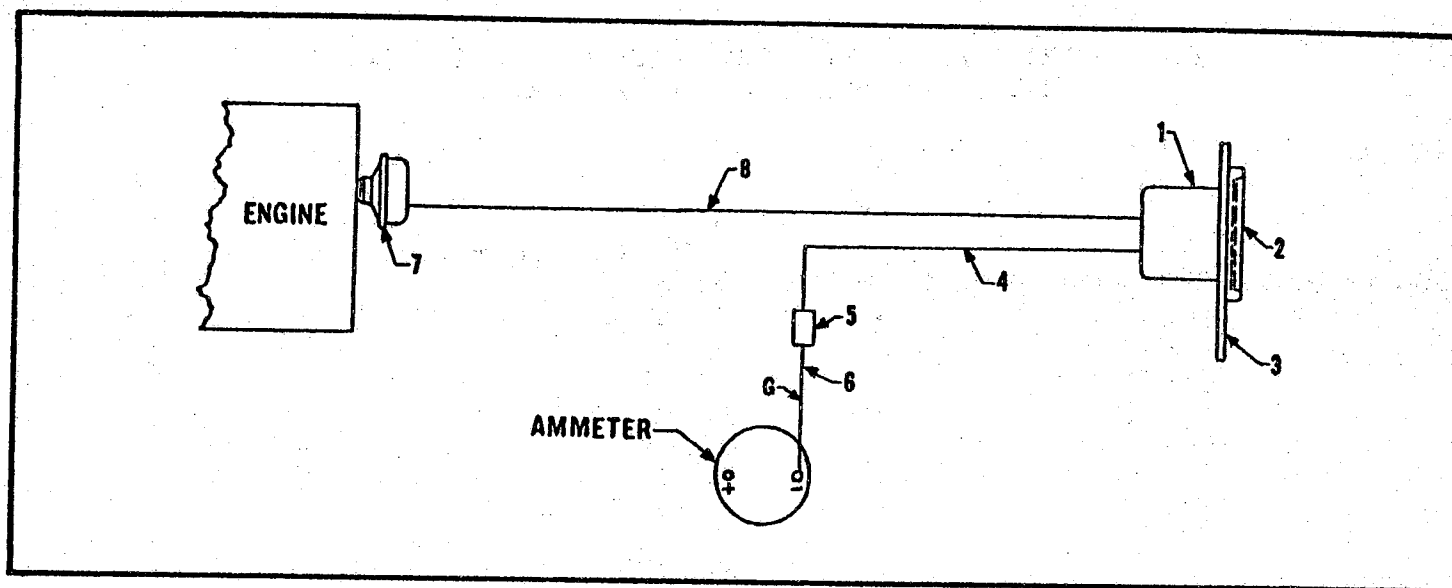
(For Part Numbers,
see next page)

HEATER, DEFROSTER AND WINDSHIELD WIPERS - CUMMINS ENGINE

HEATER, DEFROSTER AND WINDSHIELD WIPERS - CUMMINS ENGINE
(For illustration, see preceding page)

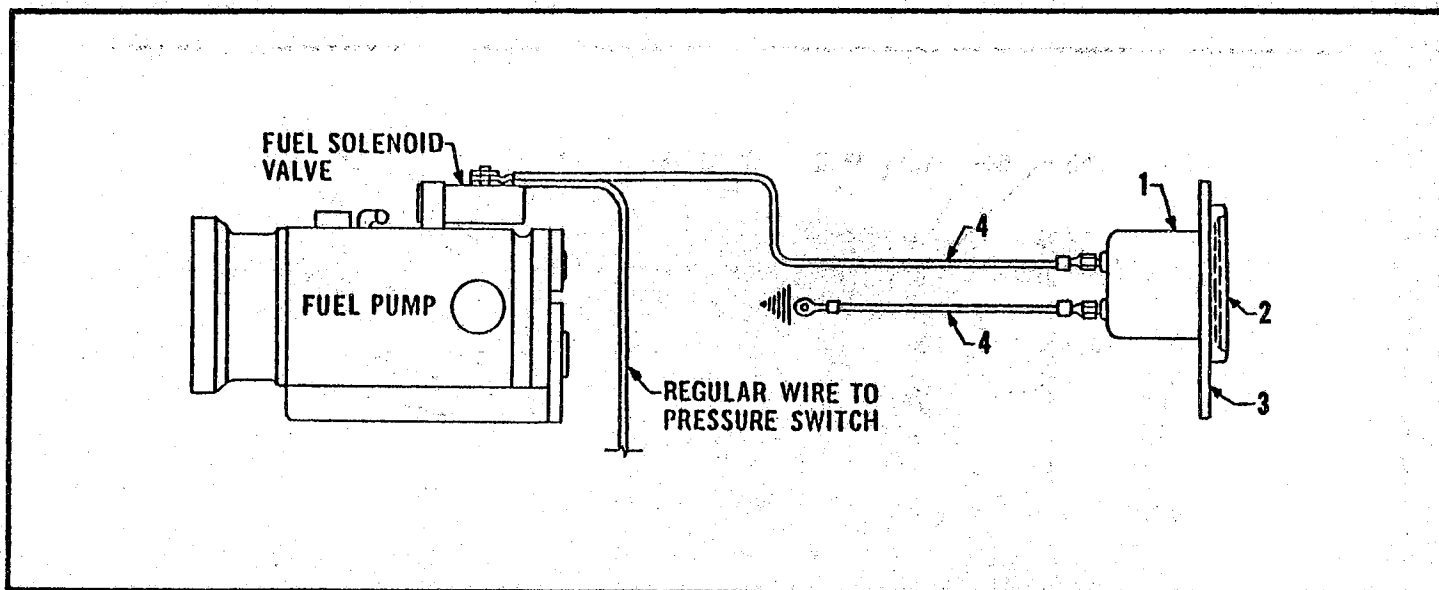
REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1		1	ENGINE
2	534009	1	BUSHING, reducer
3	556095	2	PIPE
4	034010	4	CLAMP, hose
5	PGF-12565	1	PIPE
6	PGF-12649	1	HEATER
7	563852	2	ELBOW - 90° street
8	PGF-13987	1	BUSHING
9	PGF-10129	1	ANGLE, heater mounting
10	PGF-10113	1	PLATE, heater support
11	556119	1	PIPE
12	884008	1	BUSHING, reducer
13	PGF-10131	1	HOSE, heater (5/8" ID x 48")
14	PGF-9960	2	CLIP
15	PGF-10132	1	HOSE, heater (5/8" ID x 69")
16	PGF-19278	1	FAN, defroster
17	PGF-19484	1	LOOM
18	PGF-19482	1	WIRE
19	PGF-12642	1	WIRE
20	PGF-18675	2	WIPER, windshield
21	PGF-18671	2	BLADE, wiper
22	PGF-18713	2	SWITCH, wiper
23	PGF-19478	1	WIRE
24	PGF-19477	1	WIRE
25	534006	1	BUSHING, reducer
26	HCF-6359	3	WIRE
27		1	AMMETER
28		1	SWITCH, heater
29	PGF-10421	3	CONNECTOR, wire
30	PGF-18662	2	ARM, wiper
31	PGF-17782	2	PLATE, mounting
32		1	IGNITION SWITCH (see regular wiring)
33		2	CIRCUIT BREAKER (see regular wiring)
34	PGF-18680	2	* LINK, wiper
35	PGF-18676	2	* PIVOT, shaft, wiper
36	PGF-18679	4	* SPRING CLIP, wiper
37	PGF-18691	2	* NUT, wiper
38	PGF-18690	2	* GASKET, wiper
39	PGF-18678	4	* WASHER, wiper
40	PGF-18677	2	* SPACER, outer, wiper
41	HCF-2788	6	* CLAMP, loom

Note: * Parts not illustrated.



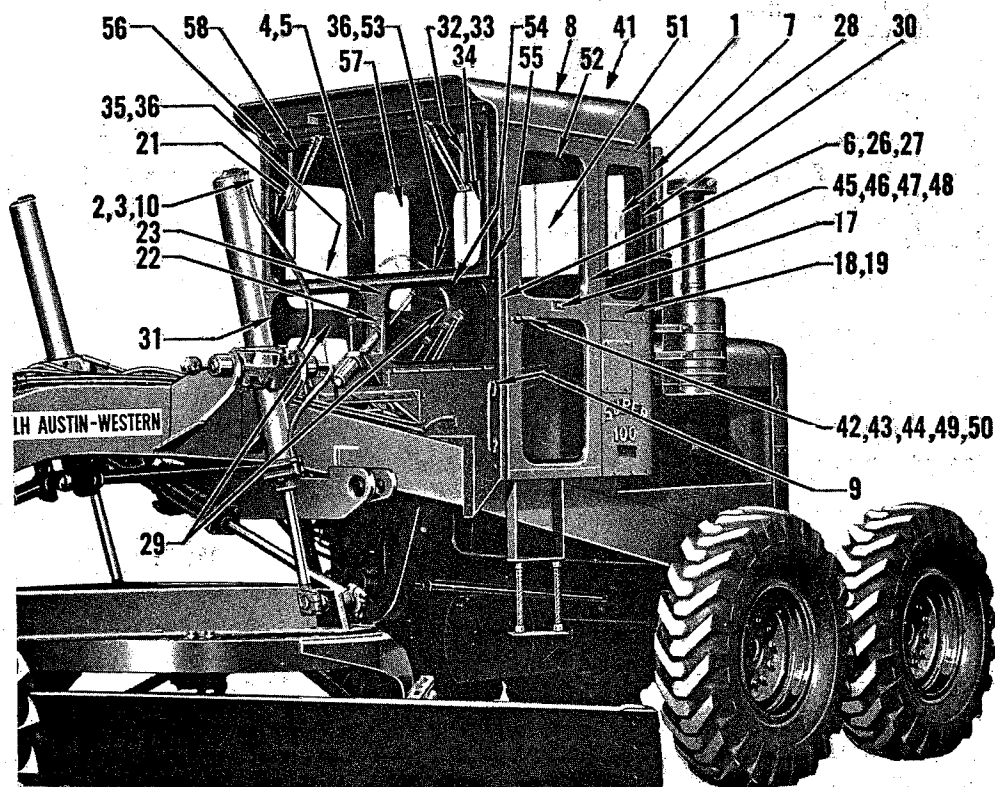
HOURLMETER FOR GMC ENGINE

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	HCF-8456	1	HOURLMETER
2	PGF-14641	1	DAMPENER, vibration
3	PGF-18331	1	BRACKET, mounting
4	PGF-17576	1	WIRE, hourmeter to harness
5	PGF-10421	1	CONNECTOR, wire
6		1	WIRE (part of harness assembly)
7	PGF-11652	1	SWITCH, pressure
8	PGF-17577	1	WIRE, hourmeter to switch



HOURLMETER FOR CUMMINS ENGINE

REF. NO.	PART NO.	QUANTITY	DESCRIPTION
1	HCF-8456	1	HOURLMETER
2	FGF-14641	1	DAMPENER, vibration
3	FGF-18721	1	BRACKET, mounting
4	FGF-17577	2	WIRE, hourmeter to ground and to valve



CAB - OPEN AND CLOSED TYPES

REF. NO.	PART NO.	QTY. (Open Cab)	QTY. (Closed Cab)	DESCRIPTION
1	PGF-9586-1	1	1	WELT, fender (100" long)
2	PGF-10369	1	1	BRACKET for mirror
3	PGF-10370	1	1	SPACER for mirror bracket
4	PGF-13746	1	1	ANGLE, side, R.H.
5	PGF-13747	1	1	ANGLE, side, L.H.
6	PGF-17755	1	1	FRONT POST ASSEMBLY
7	PGF-18762	1	1	WRAPPER, sheet, upper
8	PGF-18640	1	1	TOP, cab
9	PGF-13079	1	1	SPACER, front post
10	MSF-1775	1	1	MIRROR, rear view
17	PG-1831		2	NUT, door stop
18	PGF-8555		2	CRANK, door stop
19	PGF-8557		2	CLAMP, door stop
21	PGF-13080		2	ARMS, window adjusting
22	PGF-13094		1	COVER PLATE, windshield
23	PGF-17820		1	FRAME, windshield, lower
26	PGF-15375		2	CATCH, door
27	PGF-15376		2	SHIMS, door
28	PGF-17756		2	GLASS, side of cab
29	PGF-16862		2	GLASS, windshield, lower

(continued)

(Continued from preceding page)

REF. NO.	PART NO.	QTY. (Open Cab)	QTY. (Closed Cab)	DESCRIPTION
30	PGF-15125-26		2	MOULDING, rubber (64-1/2" long)
31	PGF-15125-9		2	MOULDING, rubber (67-5/8" long)
32	PGP-13082		1	BRACKET, arm, R.H. (includes one PGF-13093 bushing)
33	PGP-13083		1	BRACKET, arm, L.H. (includes one PGF-13093 bushing)
34	PGF-13081		2	BRACKET, windshield
35	PGF-13254		1	HANDLE, windshield, R.H.
36	PGF-13257		2	BOLT, windshield handle
37	PGF-18759		1	REAR WINDOW KIT
42	PGF-18300		1	LOCK, door, R.H.
43	PGF-18299		1	LOCK, door, L.H.
44	PGF-11108		2	SHIM, door lock
45	PGU-8253		1	DOOR, R.H. (complete)
46	PGU-8254		1	DOOR, L.H. (complete)
47	PGFA-13689-2		2	WEATHER STRIP, door (56-5/8" long)
48	PGFA-13690-2		2	WEATHER STRIP, door (106" long)
49	HCF-7100		1	HANDLE, door, R.H.
50	PGF-18298		1	HANDLE, door, L.H.
51	PGF-16865		4	GLASS, door
52	PGF-15125-3		4	MOULDING, rubber (77" long)
53	PGF-13255		1	HANDLE, windshield, L.H.
54	PGFA-13305-11		1	WEATHER STRIP, windshield (52-3/4" long)
55	PGFA-13305-10		2	WEATHER STRIP, windshield (28-1/4" long)
56	ASF-5884-14		2	MOULDING, rubber (75-1/8" long)
57	PGF-17881		1	GLASS, windshield, upper
58	PGF-17753		1	WINDSHIELD ASSEMBLY

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AS	1010	K	5	10	HCF	2788	W	1	20	MGF	1992	J	10	10
AS	1010	K	6	10	HCF	2788	W	2	20	MGF	1992	J	10	10
AS	1076	J	7	20	HCF	2793	L	6	20	MGF	1992	J	11	20
AS	1078	J	7	20	HCF	2793	L	6	21	MGF	1992	J	12	10
					HCF	2815	L	4	10	MGF	1992	S	3	10
					HCF	2823	F	2	10	MGF	1992	T	1	10
ASF	3268	E	1	40	HCF	3080	L	1	10	MGF	1992	T	2	10
ASF	3268	E	1	41	HCF	3177	L	6	21	MGF	2454	T	1	10
ASF	3719	L	2	21	HCF	3197	L	5	20	MGF	2703	F	3	10
ASF	3719	L	5	21	HCF	3197	L	5	21	MGF	11856	B	9	10
ASF	5057	C	1	20	HCF	3370	L	5	20					
ASF	5105	J	5	20	HCF	3581	F	2	20	MS	380	L	2	20
ASF	5105	J	6	20	HCF	3877	L	6	20	MS	380	L	2	21
ASF	5105	K	5	10	HCF	3877	L	6	21	MS	380	L	5	20
ASF	5105	K	6	10	HCF	4389	L	3	21	MS	380	L	5	21
ASF	5109	K	6	10	HCF	4389	L	5	21					
ASF	5112	B	1	20	HCF	4389	L	6	21					
ASF	5112	L	4	10	HCF	4452	L	5	20					
ASF	5372	L	2	20	HCF	4452	L	1	20	MSF	853	C	2	20
ASF	5372	L	2	21	HCF	4452	L	4	20	MSF	854	M	1	20
ASF	5372	L	5	20	HCF	4825	K	7	10	MSF	854	M	2	20
ASF	5372	L	5	21	HCF	5293	L	4	10	MSF	1775	Y	1	10
ASF	5451	C	1	20	HCF	5915	J	5	20					
ASF	5451	R	1	20	HCF	5916	J	5	20	NES	1652	V	1	10
ASF	5689	K	10	10	HCF	5980	J	5	20					
ASF	5727	D	1	20	HCF	5980	J	6	20					
ASF	5727	D	1	21	HCF	5980	K	5	10					
ASF	5766	K	1	40	HCF	5980	K	6	10	PGA	320	J	10	10
ASF	5766	K	2	40	HCF	6050	J	9	10	PGA	320	J	11	10
ASF	5884	Y	1	20	HCF	6059	K	1	30	PGA	694	B	9	10
ASF	6008	C	3	10	HCF	6059	K	2	30	PGA	694	S	3	10
ASF	6009	C	3	10	HCF	6145	L	2	20	PGA	862	H	10	10
ASF	6993	P	1	10	HCF	6145	L	5	20	PGA	862	T	2	10
ASF	7050	L	5	20	HCF	6357	J	8	20	PG	889	J	12	10
ASF	7071	L	2	20	HCF	6357	L	2	20	PG	890	J	12	10
ASF	7478	L	2	20	HCF	6357	L	5	20	PG	934	P	1	10
ASF	7478	L	2	21	HCF	6359	L	2	21	PG	944	R	1	20
ASF	7478	L	5	21	HCF	6359	L	5	21	PG	1101	H	3	10
ASF	7738	H	9	20	HCF	6359	W	1	20	PG	1101	H	4	10
ASF	7773	L	2	21	HCF	6359	W	2	20	PG	1282	S	4	20
ASF	7773	L	5	21	HCF	6418	H	1	20	PG	1282	S	4	21
ASF	7960	B	2	20	HCF	6418	B	1	20	PG	1386	K	10	10
					HCF	7019	H	3	10	PG	1682	D	1	30
BDF	345	E	2	10	HCF	7019	B	3	10	PG	1682	D	1	31
					HCF	7100	Y	1	20	PG	1731	E	1	40
BRF	1546	A	2	20	HCF	7509	K	1	30	PG	1732	E	1	40
BRF	1546	A	1	20	HCF	7509	K	2	30	PG	1732	E	1	41
BRF	1894	E	1	40	HCF	7509	K	3	10	PG	1736	E	1	40
BRF	1894	E	1	41	HCF	7562	L	3	21	PG	1736	E	1	41
					HCF	7562	L	6	21	PG	1739	E	1	30
BTf	872	F	2	10	HCF	8456	X	1	10	PG	1739	E	1	31
BTf	890	H	1	20	HCF	8456	X	2	10	PG	1768	E	2	10
					HCF	9250	L	2	20	PGA	1771	B	6	10
					HCF	9250	L	5	20	PGA	1771	J	10	10
					HCF	9251	L	2	20	PG	1786	K	10	10
					HCF	9251	L	5	20	PG	1831	Y	1	10
					HCF	9252	L	2	20	PG	1845	B	2	20
					HCF	9252	L	5	20	PG	1848	F	3	10
					HCF	9673	C	3	10	PG	1848	E	2	10
					HCF	9904	L	2	21	PG	1859	D	1	30
					HCF	9905	L	2	21	PG	1859	D	1	31
HCF	334	K	3	10	HCF	10103	K	9	10	PG	1868	E	1	30
HCF	368	K	3	10	HCF	10103	S	5	20	PG	1868	E	1	31
HCF	373	J	5	20	HCF	10103	S	7	20	PG	1907	K	4	20
HCF	373	J	6	20	HCF	10383	L	2	21	PG	1908	K	4	20
HCF	373	K	5	10	HCF	10883	L	5	21	PG	1922	D	1	41
HCF	373	K	6	10	HCF	11534	D	1	21	PG	1922	D	1	41
HCF	666	H	10	10	HCF	11705	L	2	21	PG	1923	D	1	40
HCF	666	H	11	10	HCF	11861	L	2	21	PG	1923	D	1	41
HCF	1135	J	5	20	HCF	13580	A	1	20	PG	1949	D	1	40
HCF	1135	J	6	20	HCF	13580	A	2	20	PG	1949	D	1	41
HCF	1339	D	1	20	HCF	13590	A	1	20	PG	1992	H	11	10
HCF	1341	D	1	30	HCF	13590	A	2	20	PGA	1998	H	10	10
HCF	1341	D	1	31	HCF	15271	L	2	21	PGA	2000	B	9	10
HCF	1350	J	7	20	HCF	15271	L	5	21	PGA	2000	S	3	10
HCF	1568	K	1	30						PGA	2001	J	12	10
HCF	1568	K	2	30	HTF	267	J	1	21	PGA	2002	J	3	10
HCF	1596	S	7	20	HTF	367	J	1	20	PGA	2003	H	11	10
HCF	1923	F	2	20	HTF	367	J	2	20	PGA	2004	J	12	10
HCF	1923	F	2	20	HTF	367	J	2	21	PGA	2014	T	2	10
HCF	1924	G	1	10	HTF	382	K	10	20	PG	2015	F	2	10
HCF	1968	F	2	20						PG	2016	F	2	20
HCF	1969	F	2	20						PG	2017	F	2	20
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