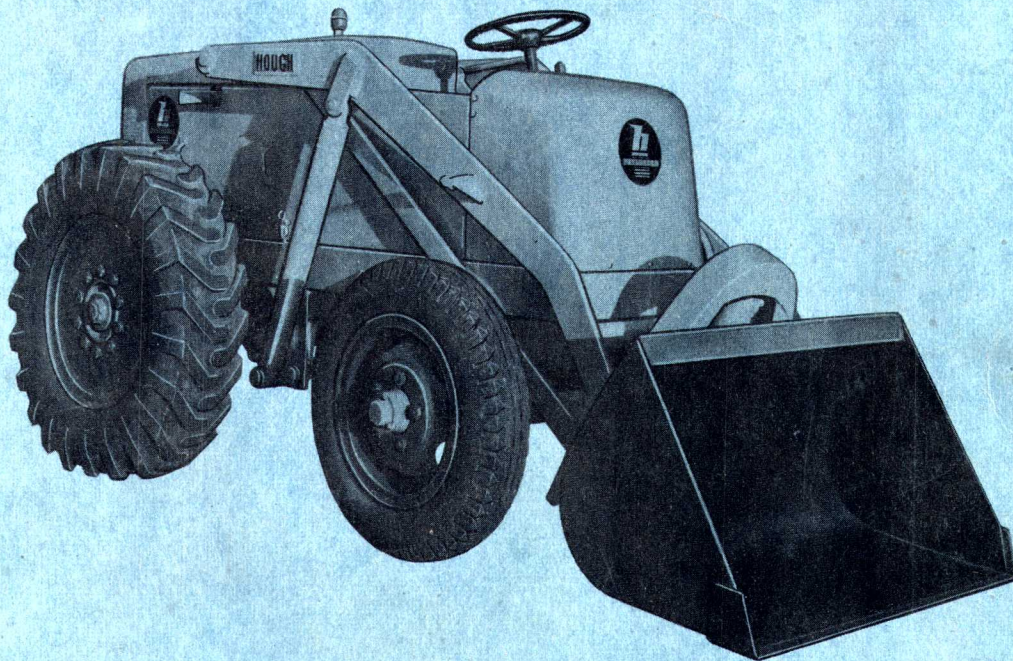


PARTS LIST
FOR
MODEL HE PAYLOADER

BEGINNING WITH SERIAL NUMBER 55004

MARCH 1951

ok



MANUFACTURED BY
THE FRANK G. HOUGH CO.

LIBERTYVILLE, ILLINOIS

LITHO. IN U. S. A.

FORM HE-4

IT IS THE POLICY OF THE FRANK G. HOUGH CO. TO IMPROVE ITS PRODUCTS WHENEVER POSSIBLE AND PRACTICAL TO DO SO. WE RESERVE THE RIGHT TO MAKE CHANGES OR ADD IMPROVEMENTS AT ANY TIME WITHOUT INCURRING ANY OBLIGATION TO MAKE SUCH CHANGES ON MODELS PREVIOUSLY SOLD.

WARRANTY

This Model HE Payloader is warranted free from defects of material or workmanship for a period of six months from date of sale; it is further warranted to be mechanically practical for the purposes advertised by The Frank G. Hough Co.

Parts claimed to be defective are to be reported to us promptly and returned to us with transportation charges prepaid. If we find the parts defective upon our examination, credit will be issued or the parts replaced.

This warranty will not apply to PAYLOADERS that have been misused, loaded beyond factory rated capacities, neglected or damaged through accident.

Any expense incurred without authorized consent for repairs or replacements will not be allowed. The use of any but The Frank G. Hough Co. parts nullifies the warranty.

If you should need information not given in this manual, or require the services of a trained mechanic, we urge you to use the extensive facilities offered by The Frank G. Hough Co. Payloader dealers. Dealers are kept informed on the best methods of servicing and are equipped to provide prompt, high class service on the field or in an up-to-date service shop.

Dealers carry ample stocks of The Frank G. Hough Co. essential Payloader parts.

Listed below you will find the name of The Frank G. Hough Co. dealer with whom your parts orders should be placed and who should be called upon for any required information concerning proper operating and maintenance procedure.

OUR PAYLOADER DEALER IS:

When ordering parts, always give The Frank G. Hough Co. Payloader dealer both the name and part number of the part required, and also the SERIAL NUMBER OF THE PAYLOADER.

SO THAT YOU MAY HAVE IT BEFORE YOU, WRITE THE PAYLOADER, POWER UNIT, TRANSMISSION, HYDRAULIC PUMP AND HYDRAULIC VALVE SERIAL NUMBERS HERE:

PAYLOADER SERIAL NO: _____
(Stamped on plate on frame)

POWER UNIT SERIAL NO: _____
(Stamped on engine block)

REAR AXLE SERIAL NO: _____
(Stamped on differential housing)

HYDRAULIC PUMP SERIAL NO: _____
(Stamped on pump body)

HYDRAULIC VALVE SERIAL NO: _____
(Stamped on valve body)

POWER TAKE-OFF SERIAL NO: _____
(Stamped on inspection plate)

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IMPORTANT

Each part pictured in this catalog is given an identification number which corresponds to the item number in the parts list of the group. These item numbers are given to identify the part number and name of the items wanted.

The bucket is always considered the front end of the machines and right (R.H.) or left hand (L.H.) sides are determined by the operators position when sitting in the seat and facing the bucket.

Always give the following information on all repair parts orders

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

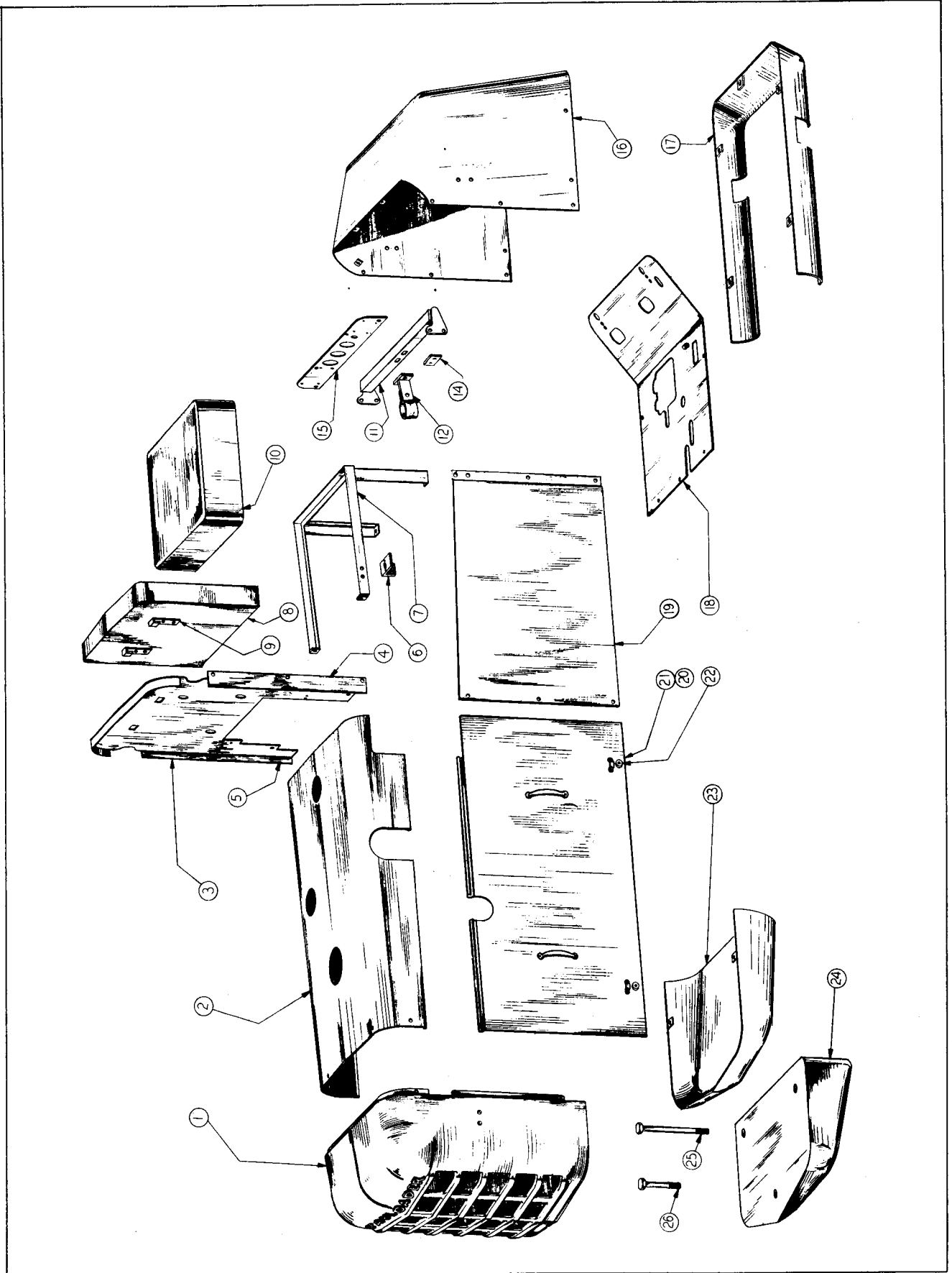


Fig. 12

BODY & SHROUD GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	109272	Grille Casting with Screen	1		
	109271	Screen only - For Grille	1		
2	107757	Hood Top - Engine Cowling	1		
3	110984	Bulkhead Assembly (includes Item 4 & 5)	1	55004	up
4	108885	Bulkhead Side Plate - R.H.	1	55004	55013
5	108888	Bulkhead Side Plate - L.H.	1	55004	55013
6	110968	Starter Switch Mounting Bracket	1		
7	108009	Seat Support Frame	1		
8	107876	Cushion - Back Rest	1		
9	110590	Hanger - Back Cushion	2		
10	107875	Seat Cushion	1		
11	108867	Cross Brace - Strg. Gear Brace	1	55004	55013
12	108870	Steering Gear Brace	1	55004	55013
14	105367	Shim - Strg. Brace	2	55004	55013
15	108488	Instrument Panel	1		
16	107762	Front Cowl	1		
17	110617	Skirt - Front Axle Shield	1		
18	110614	Floorboard	1		
19	107760	Side Shield - R.H. Seat	1		
19	107761	Side Shield - L.H. Seat	1		
20	107758	Hood Side - R.H. Engine Panel	1	55004	55298
20	107759	Hood Side - L.H. Engine Panel	1	55004	55298
20	113093	Hood Side - R.H. Engine Panel	1	55299	up
20	113094	Hood Side - L.H. Engine Panel	1	55299	up
21	HL-3635	Hood Clamp - Engine Panel (not shown)	4		
22	107677	Rubber Bumper - Hood Clamp	4		
23	110577	Rear Shroud (Except - Serial No. 55151)	1	55004	55158
24	107464	Counterweight	1	55159	up
25	104462	Bolt - 1" - 14 NF Hex. Hd. x 10" Lg. - Counterweight	2	55159	up
26	108467	Bolt - 1" - 14 NF Hex. Hd. x 7" Lg. - Counterweight	1	55159	up
	111516	Nut - with Nut Retainer - Cowling	2		

*Always give the Payloader Serial Number with the Part Number
and Name of Items needed when ordering Repair Parts.*

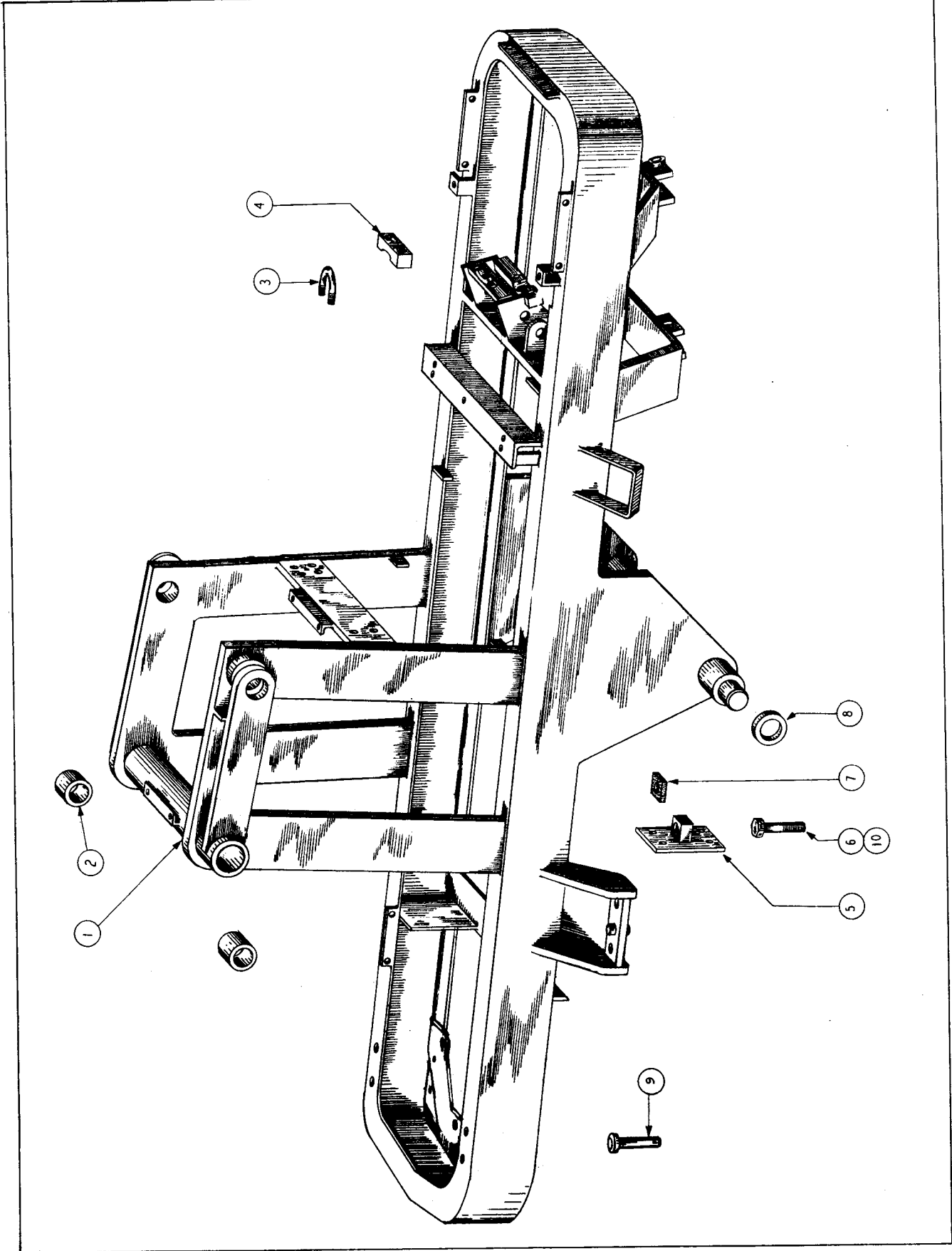


Fig. 13

FRAME GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	110422	Main Frame	1	55004	55013
1	110634	Main Frame	1	55014	55298
1	112439	Main Frame	1	55299	up
2	101022	Bushing - Boom Pivot.	2		
3	104510	"U" Bolt - Strg. Gear Support.	1		
4	109991	Cap - Strg. Gear Support.	1		
5	110427	Transmission Support.	2		
6	110629	Bolt - Transmission Support	2		
7	110408	Pad - Transmission Mtg.	2		
8	101033	Collar - Hoist Retainer.	2		
9	111428	Pin - Draw Bar Hitch	1		
10	108356	Capscrews - Axle to Frame	8	55004	55298
	108356	Capscrews - Axle to Frame	4	55299	up

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

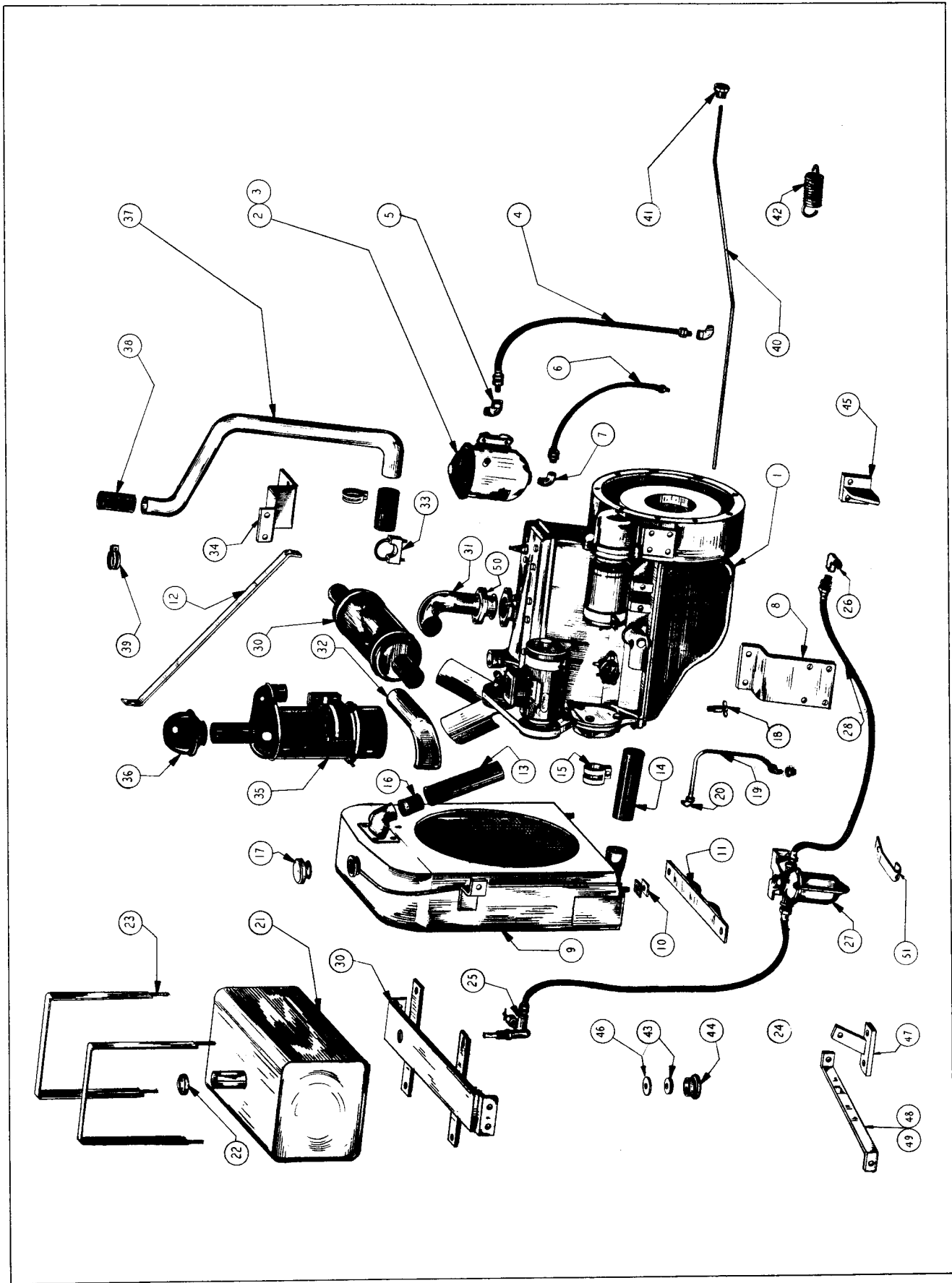


Fig. 14

ENGINE ATTACHMENTS GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	110599	Engine - Waukesha Model F.C. Industrial	1		
2	110967	Oil Filter	1		
3	HS-979	Cartridge - Oil Filter	1		
4	112093	Hose - Engine to Filter - Discard HS-974 to use this Hose	1		
	HS-974	Fitting - Filter to Hose	1	55014	55088
5	HS-898	Elbow - Engine to Filter Line	2		
6	112092	Hose - Oil Filter Return Line	1		
7	HS-898	Elbow - Oil Filter Return Hose	1		
8	111372	Bracket - Oil Filter	1		
9	111018	Radiator	1		
10	HA-1025	Pad - Radiator Support	4		
10	108474	Rubber Pad - Radiator	2		
11	108750	Radiator Support - order Items 47, 48 & 49	1		
12	110944	Radiator Tie Bar	1		
13	HA-351	Hose - Upper Radiator	1		
14	HA-353	Hose - Lower Radiator	1		
15	HA-352	Hose Clamp	6		
16	103835	Thermostat	1		
17	HA-1274	Cap - Radiator	1		
18	HA-1006	Drain Cock - Water Inlet Elbow	1		
19	103838	Tubing - Water by Pass Line	1		
20	103836	Elbow - Water by Pass Line	2		
		Reducer - 1/2" to 3/8" Inlet Elbow	1		
21	109954	Gas Tank - Machine of Serial No's. 55001 thru 55298 - order 113230 Hose also	1		
22	109980	Cap - Gas Tank	1		
23	111371	Strap - Gas Tank	2		
24	113079	Fuel Line - Tank to Strainer	1	55004	55298
24	113230	Fuel Line - Tank to Strainer	1	55299	up
25	HA-963	Needle Valve	1		
26	113081	Elbow (include with 113080 Line)	1		
27	HA-1471	Strainer - Fuel Line	1		
28	113080	Fuel Line - Strainer to Carburator	1		
29	109959	Tank Support Frame	1		
30	110836	Muffler	1		
31	112514	Exhaust Pipe - Manifold to Muffler	1		
32	110598	Exhaust Spout	1		
33	HA-910	Clamp - Muffler	2		
34	111412	Bracket - Muffler Support	1		
35	110410	Air Cleaner	1		
36	103759	Pre Cleaner	1		
37	110601	Tubing - Cleaner to Carburator	1		
38	HA-356	Hose - Air Cleaner Tubing	2		
39	HA-354	Hose - Clamp	4		
40	110613	Choke Rod	1		
41	HL-3562	Knob - Choke Rod	1		
42	105826	Spring - Choke Return	1		
43	108506	Pad - Engine Mounting	1		
44	108504	Retainer - Engine Mounting	1		
45	112756	Motor Removal Clamp	2		
46	HA-1407	Washer - Rear Engine Mounting	1		
47	113088	Tie Bar Support	1		
48	109013	Radiator Tie Bar - R.H.	1		
49	109014	Radiator Tie Bar - L.H.	1		
50	112420	Exhaust Flange	1		
51	113067	Clamp - Fuel Line	2		
	108537	Capscrew - Rear Engine Mounting - Special	1		
		Castellated Nut - Rear Engine Mounting - 1/2" - 20 NF Thd.	1		

*Always give the Payloader Serial Number with the Part Number
and Name of Items needed when ordering Repair Parts.*

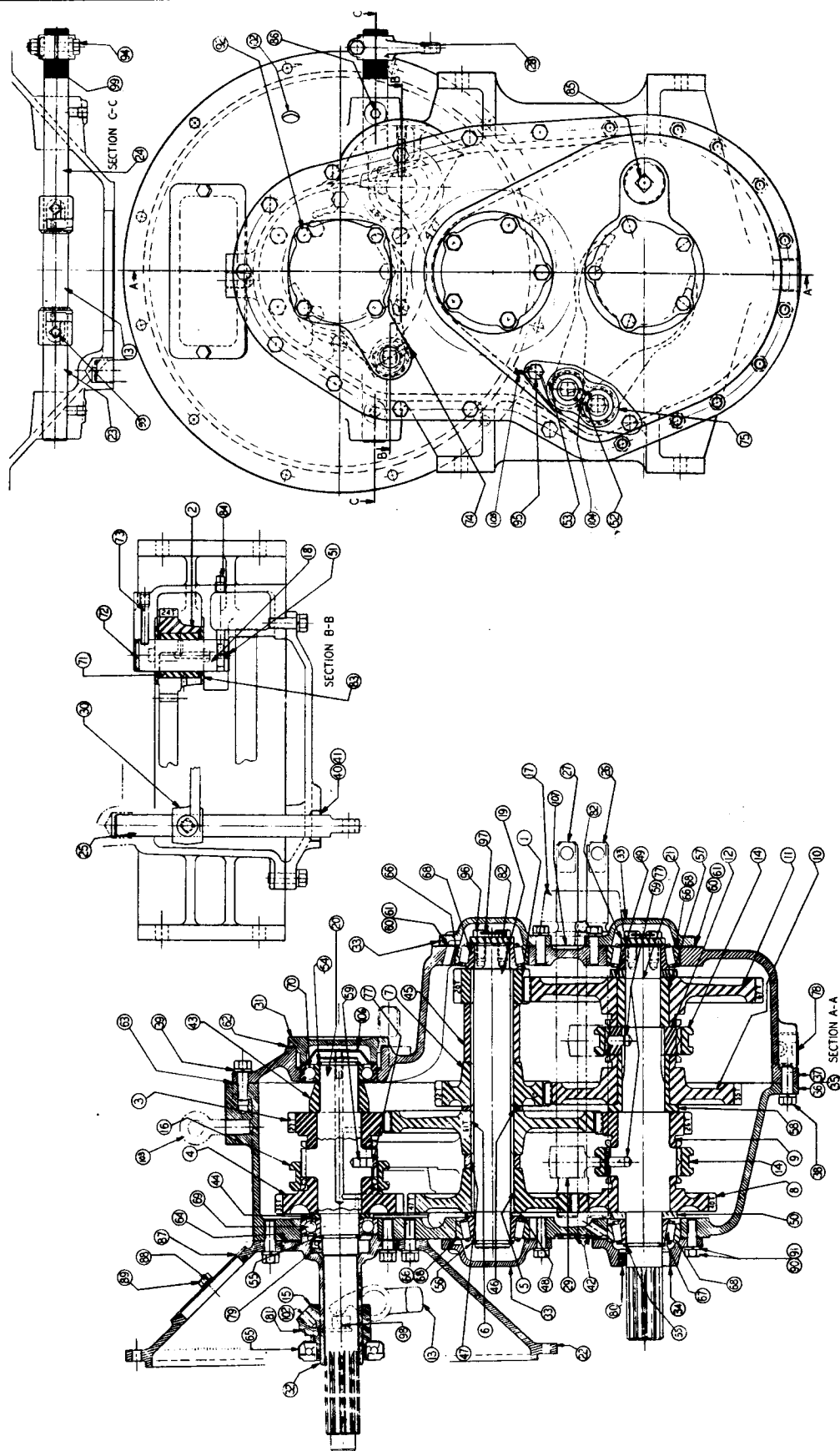


Fig. 15

TRANSMISSION GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
	109951	Transmission Complete.			
1	111963	Pinion - Int. Low Speed (20T)	1		
2	111252	Gear (24T) Reverse Idler	1		
3	111253	Gear (27T) Trans. Drive	1		
4	111964	Gear (35T) Reverse Drive	1		
5	111965	Gear (47T) 3rd Speed Drive	1		
6	111966	Gear (61T) Int. Overdrive	1		
7	111967	Gear (32T) 2nd Speed Drive	1		
8	111968	Gear (40T) 3rd Speed Driven	1		
9	111969	Gear (26T) High Speed Driven	1		
10	111970	Gear (55T) 2nd Speed Driven	1		
11	111971	Gear (67T) Low Speed Driven	1		
12	111972	Drive Clutch	1		
13	111263	Yoke - Clutch Release	1		
14	111262	Collar - Shift.	2		
15	111260	Carrier - Clutch Release Brg.	1		
16	113718	Collar - Shift.	1		
17	111974	Support - Shift (includes Items 40, 41, & 53)	1		
18	111958	Shaft - Rev. Idler Gear (includes Item 51)	1		
19	111959	Shaft - Intermediate	1		
20	111960	Shaft - Trans. Main	1		
21	111961	Shaft - Driven	1		
22	111962	Clutch Housing.	1		
23	111216	Shaft - R.H. Clutch Release	1		
24	111218	Shaft - L.H. Clutch Release	1		
25	111945	Shaft - Forward and Reverse	1		
26	111946	Shaft - Low and 2nd Shift.	1		
27	111947	Shaft - 3rd and 4th Shift.	1		
28	111948	Lever - Clutch Release Shaft	1		
29	111949	Fork - Low to High Speed Shift.	2		
30	112393	Fork - For'd. and Rev. Shift.	1		
31	112399	Cap - Main Shaft Front	1		
32	111096	Cap - Main Shaft Rear (includes Item 79)	1		
33	111951	Cap - Int. and Driven Shaft.	3		
34	111952	Cap - Driven Shaft Rear (includes Item 80)	1		
35	111955	Case and Cover Assembly (includes Items 36 thru 42)			
36		Case - Not Sold Separately			
37		Cover - Not Sold Separately } order Item 35			
38	111124	Capscrew - Case, Cover, Clutch Hsg.	30		
39	104589	Lockwasher.	32		
40	111180	Retainer - Shift Shaft Felt	3		
41	111146	Felt.	3		
42	111919	Plug - Shift Shaft	2		
43	111188	Spacer - Main Shaft Front	1		
44	111189	Spacer - Main Shaft Rear.	1		
45	111930	Spacer - Pinion and 2nd Gear	1		
46	111931	Spacer - 2nd and Overdrive Gear	1		
47	111932	Spacer - 3rd and Overdrive Gear	1		
48	111933	Spacer - Int. Shaft Rear Brg.	1		
49	111934	Spacer - Driven Shaft Front Brg.	1		
50	111935	Spacer - Driven Shaft Rear Brg	1		
51	111936	Pin - Reverse Idler Gear Shaft.	1		
52	112424	Ball - Shift Shaft Lock.	1		
52	111937	Interlock Pin - Started on S/N A-31-7 & up	1		
53	111938	Plug - Shift Shaft Guide	1		
54	111195	Snap Ring - Main Shaft Brg.	1		
55	111196	Snap Ring - Main and Driven Shaft Brg.	2		

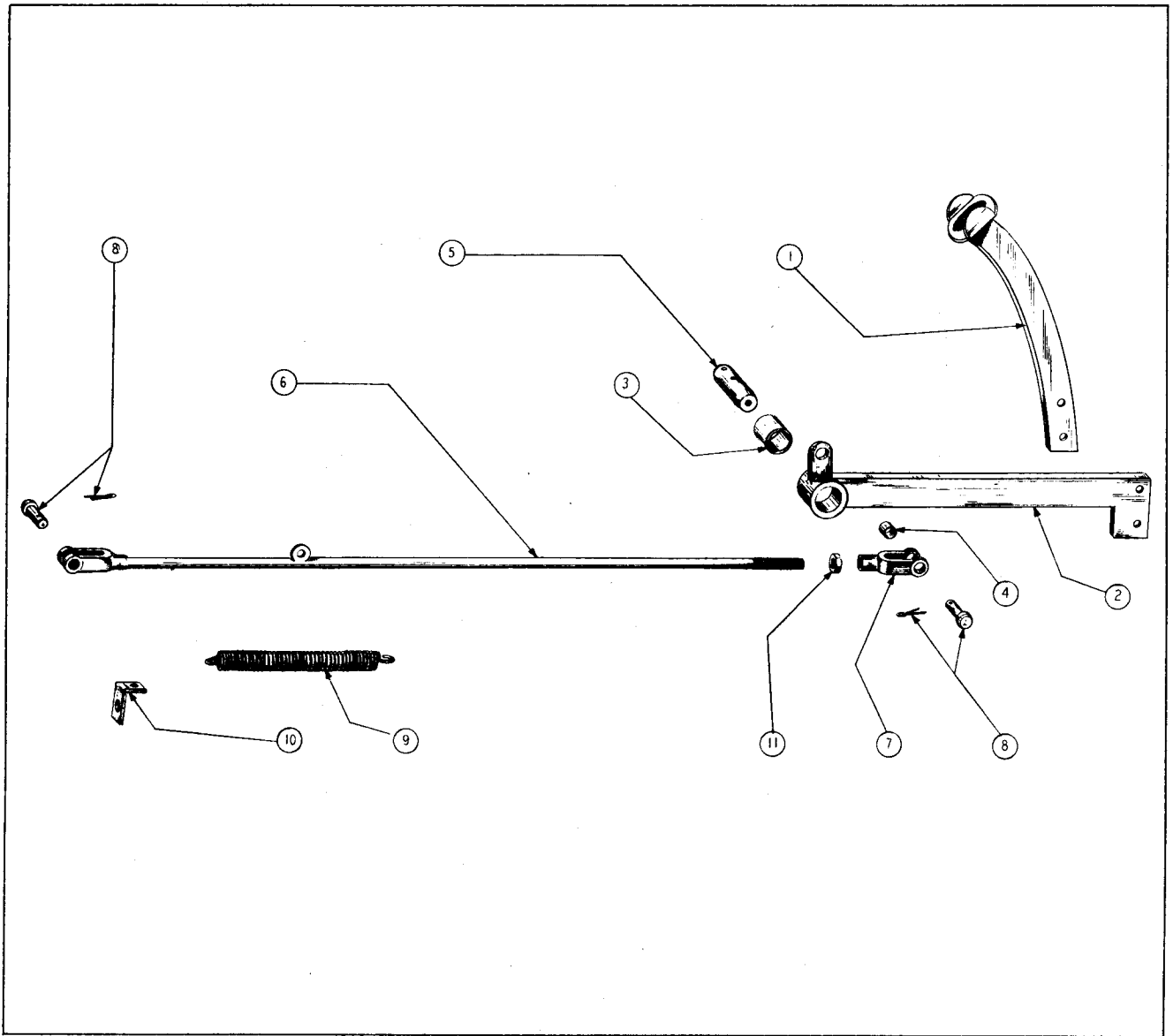
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Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

TRANSMISSION GROUP - Continued

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
56	111939	Snap Ring - Int. Shaft	1		
57	111940	Sleeve - Low Speed Driven Gear	1		
58	111941	Sleeve - 2nd Speed Driven Gear	1		
59	111200	Spring - Shift Clutch Plunger	9		
60	104616	Shim - (.003) Brg. Cap	8		
61	104617	Shim - (.010) Brg. Cap	16		
62	111942	Gasket - Main Shaft Front Cap	1		
63	111943	Gasket - Case and Cover	1		
64	111944	Gasket - Main Shaft Rear Cap	1		
65	111273	Bearing - Clutch Release	1		
66	111923	Cup - Int. and Driven Shaft Brg.	4		
67	108805	Cone - Driven Shaft Rear Brg.	1		
68	111925	Cone - Int. and Driven Shaft Brg	3		
69	111270	Bearing - Main Shaft Rear	1		
70	111271	Bearing - Main Shaft Front	1		
71	111272	Bearing - Rev. Idler Gear	1		
72	111926	Seal Ring - Rev. Idler Shaft	1		
73	111927	Screw - Rev. Idler Lock	1		
74	111155	Set Screw - Shift Fork Lock	1		
75	111928	Set Screw - Shift Fork Lock	1		
76	104581	Oil Breather (not shown)	1		
77	111174	Plunger - Shift Shaft Collar	9		
78	111175	Plug - Magnetic - Oil Drain	1		
79	111179	Oil Seal - Main Shaft Rear	1		
80	112193	Oil Seal - Driven Shaft Rear	1		
81	111181	Spring - Clutch Yoke Retainer	1		
82	111929	Washer - Int. and Drive Shaft	2		
83	111183	Washer - Rev. Idler Gear	2		
84	111918	Plug - Rev. Idler Gear	1		
85	109505	Plug - Oil Filler	1		
86	109344	Plug - Brg. and Clutch Shaft Grease	3		
87	111114	Cover - Clutch Inspection	1		
88	111126	Lockwash - Clutch Insp. Cover	2		
89	111116	Capscrew - Clutch Insp. Cover	2		
90	104626	Lockwasher - Brg. Caps	25		
91	111922	Capscrew - Brg. Caps	20		
92	111118	Capscrew - Main Shaft Front Cap	4		
93	111120	Setscrew - Clutch Release Yoke	2		
94	111921	Capscrew - Release Lever	1		
95	111119	Capscrew - Shift Shaft Support	2		
96	111920	Capscrew - Int. and Driven Shaft Adj.	4		
97	111108	Lockwire - Int. and Driven Shaft	2		
98	111109	Lockwire - Clutch Yoke Screw	4		
99	109508	Nut - Clutch Release Lever	1		
100		#16 Woodruff Key - Release Yoke	2		
101		#7 x 1-1/4 Taper Pin - Case and Cover	3		
102	110902	Adapter Union - Grease Hose - 1/8 x 90°	1		
102	110391	Grease Hose	1		
102	110393	Elbow Fitting - Grease Hose to Hsg.	1		
102	102605	Washer - 5/8 SAE - Grease Hose Fitting	1		
103	111790	Eyebolt - to Lift Transmission	1		
104	112458	Spacer - Shift Lever Ball Lock	1		
104	113744	Block - Interlock Pin Support	1		
105	111982	Gasket - Shift Shaft Support	2		
106	112398	Oil Baffle - Main Shaft Front Cap	1		
107	112395	Shim - Shift Support Aligner	1		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.



**Fig. 16
CLUTCH PEDAL CONTROL GROUP**

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	103902	Foot Pad Arm	1		
2	108776	Foot Pedal Pivot Arm	1		
3	HA-779	Bushing - Clutch Pivot Arm	1		
4	WMX-150	Bushing - Pivot Arm Lug	1		
5	108778	Shaft - Pedal Arm Pivot	1		
6	110619	Operating Rod - Pedal to Clutch	1		
7	GH-211	Clevis - Operating Rod	1		
8	GH-212	Pin - Clevis	2		
9	HL-3190	Spring - Pedal Return	1		
10	108781	Clip - Spring Retainer	1		
11		Jam Nut - Clevis - 1/2 - 20NF Thd	1		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

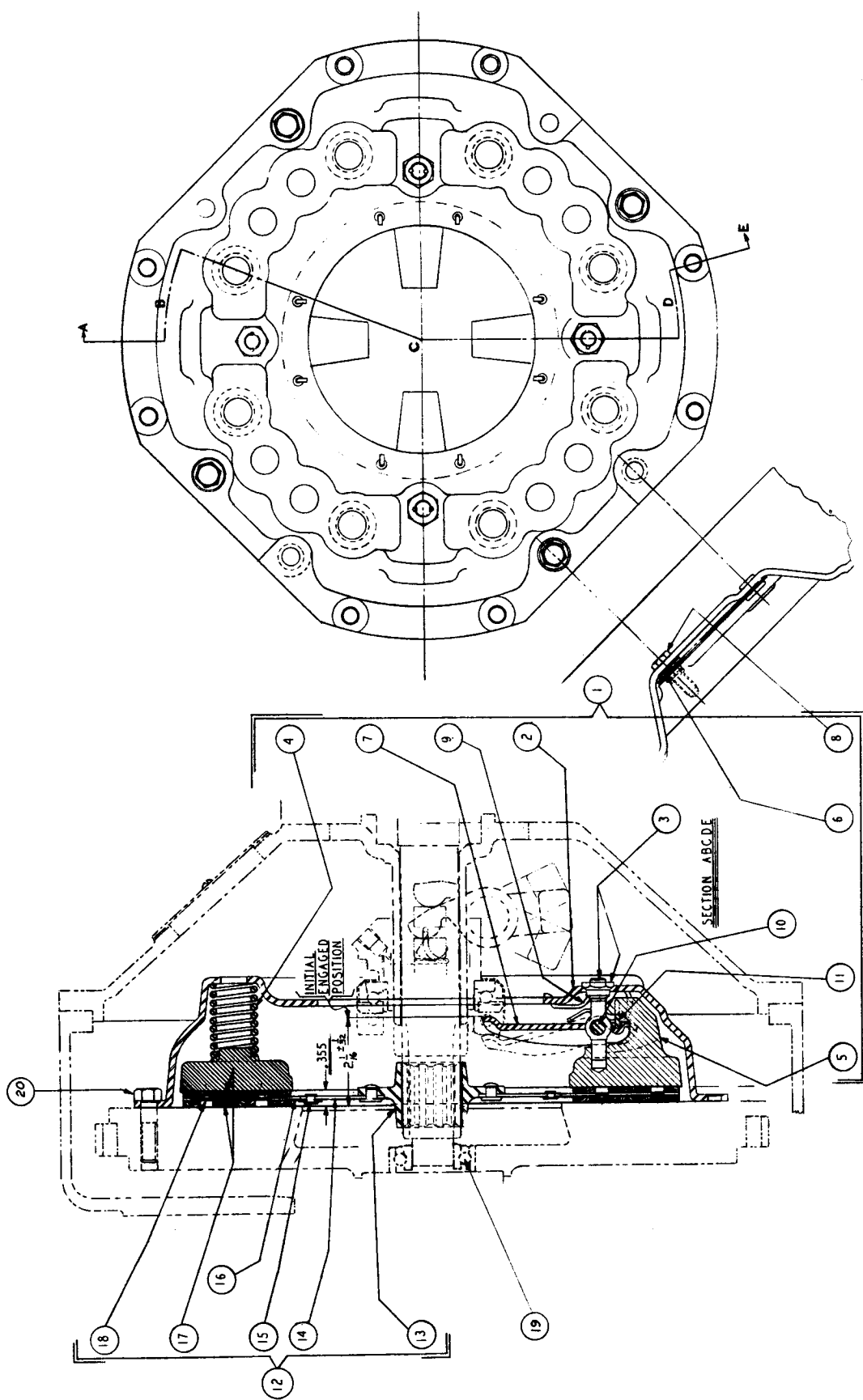
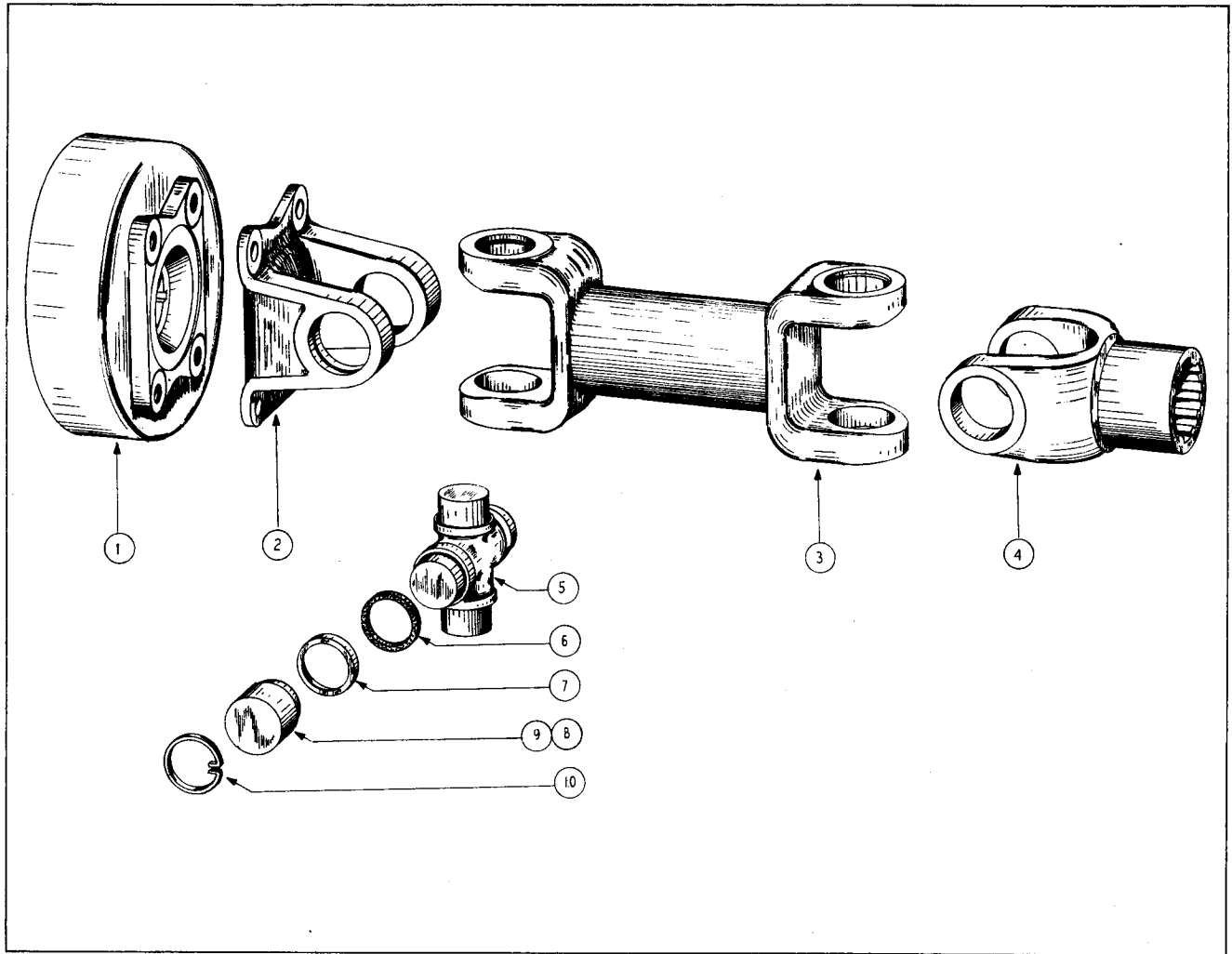


Fig. 17

CLUTCH GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
	110407	Clutch Complete - includes Driven Plate and Cover Assemblies	1		
1	110885	Cover Assembly Complete (includes Items 2 thru 11) . .	1		
2	110886	Cover with Driving Straps and Rivets	1		
3	110887	Eyebolt and Nut Assy	4		
4	110888	Thrust Spring	8		
5	110889	Pressure Plate	1		
6	110890	Ferrule	4		
7	110891	Release Lever	4		
8	110892	Capscrew - 5/16 - 24 Thd. Hex.	4		
9	HA-1282	Anti-Rattle Spring	4		
10	HA-1284	Pin	4		
11	HA-1285	Strut	4		
12	110881	Driven Plate Assy. (includes Items 13 thru 18)	1		
13		Hub (order 110881)			
14		Plate (order 110881)			
15		Rivets - Cushion Spring (order 110881)	20		
16		Cushion Spring - Facing (order 110881)	10		
17	110883	Facing	2		
18	110884	Rivet - Tubular - Facing	40		
19	HA-520	Pilot Bearing - Flywheel	1		
20	110564	Capscrew - Clutch to Flywheel - Special	8		
		For Throw-out Bearing, Sleeve and Lever, see the Transmission Group.			

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.



**Fig. 18
DRIVE SHAFT GROUP**

For Serial Numbers 55004 thru 55013 & 55299 and up
(Used with 110562 Axle)

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
	114979	Drive Shaft Complete (includes the following)	1		
1	111044	Fitting Yoke with Brake Drum	1		
2	111045	Flange Yoke	1		
3	111046	Welded Center Yoke	1		
4	111047	Plain Yoke - Splined	1		
5	111048	Center Cross	2		
6	111049	Cork Seal (included in Items 8 and 9)	8		
7	104399	Cork Retainer (included in Item 5)	8		
8	111050	Needle Cup Assembly - Plain	6		
9	111051	Needle Cup Assembly - Lubricator	2		
10	104401	Snap Ring	8		
	104396	Oil Plug - Lubricator Cup (not shown)			

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

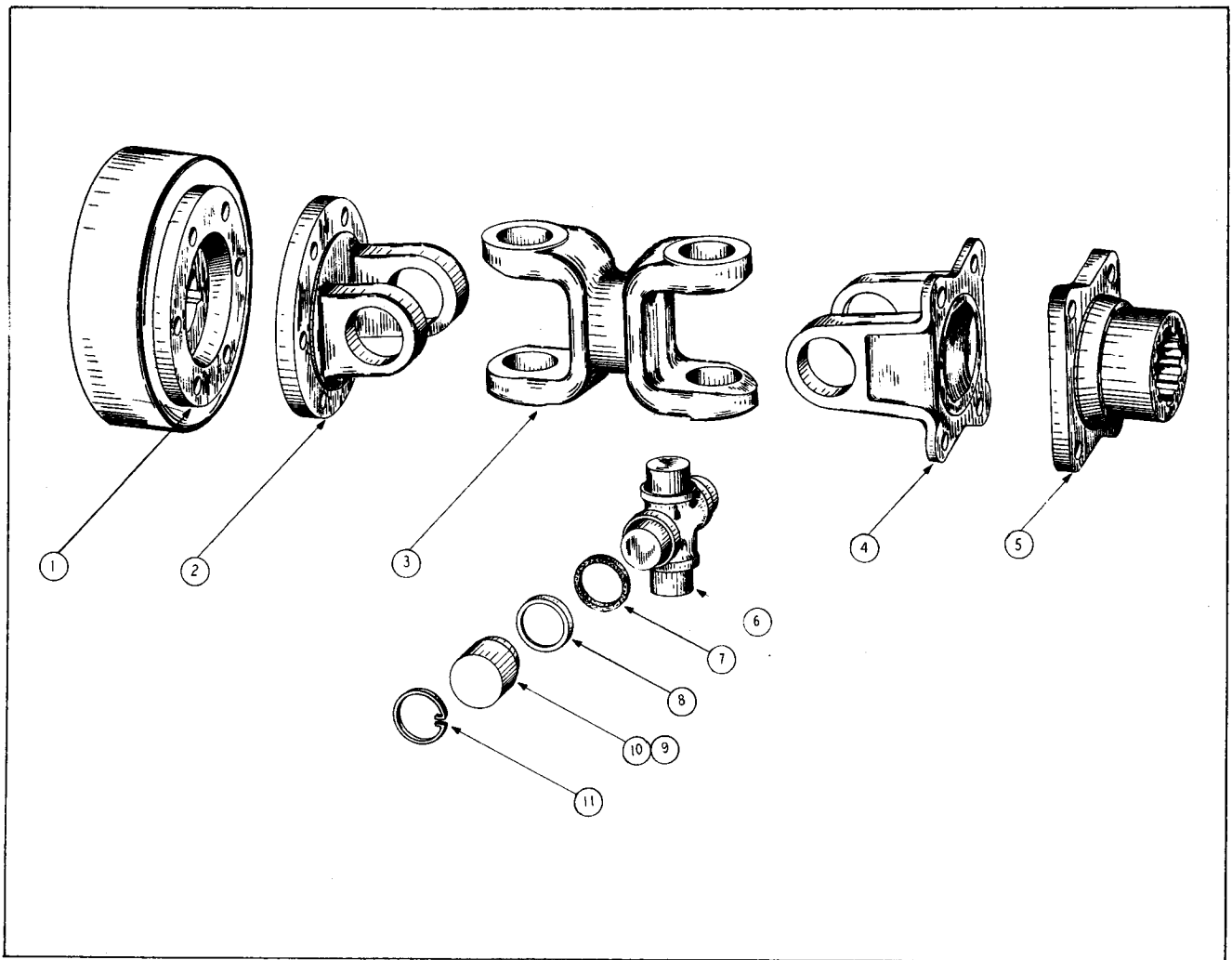


Fig. 19
DRIVE SHAFT GROUP - SHORT COUPLED

For Serial Numbers 55014 thru 55298
(Used with 110628 Axle)

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
	114478	Drive Shaft Complete (includes the following)	1		
1	111521	Companion Flange with Brake Drum	1		
2	111063	Flange Yoke	1		
3	111064	Welded Center Yoke	1		
4	111045	Flange Yoke	1		
5	111066	Companion Flange	1		
6	111048	Center Cross.	2		
7	111049	Cork Seal	8		
8	104399	Retainer - Cork Seal.	8		
9	111050	Needle Cup Assembly - Plain.	6		
10	111051	Needle Cup Assembly - Lubricator	2		
11	104401	Snap Ring	8		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

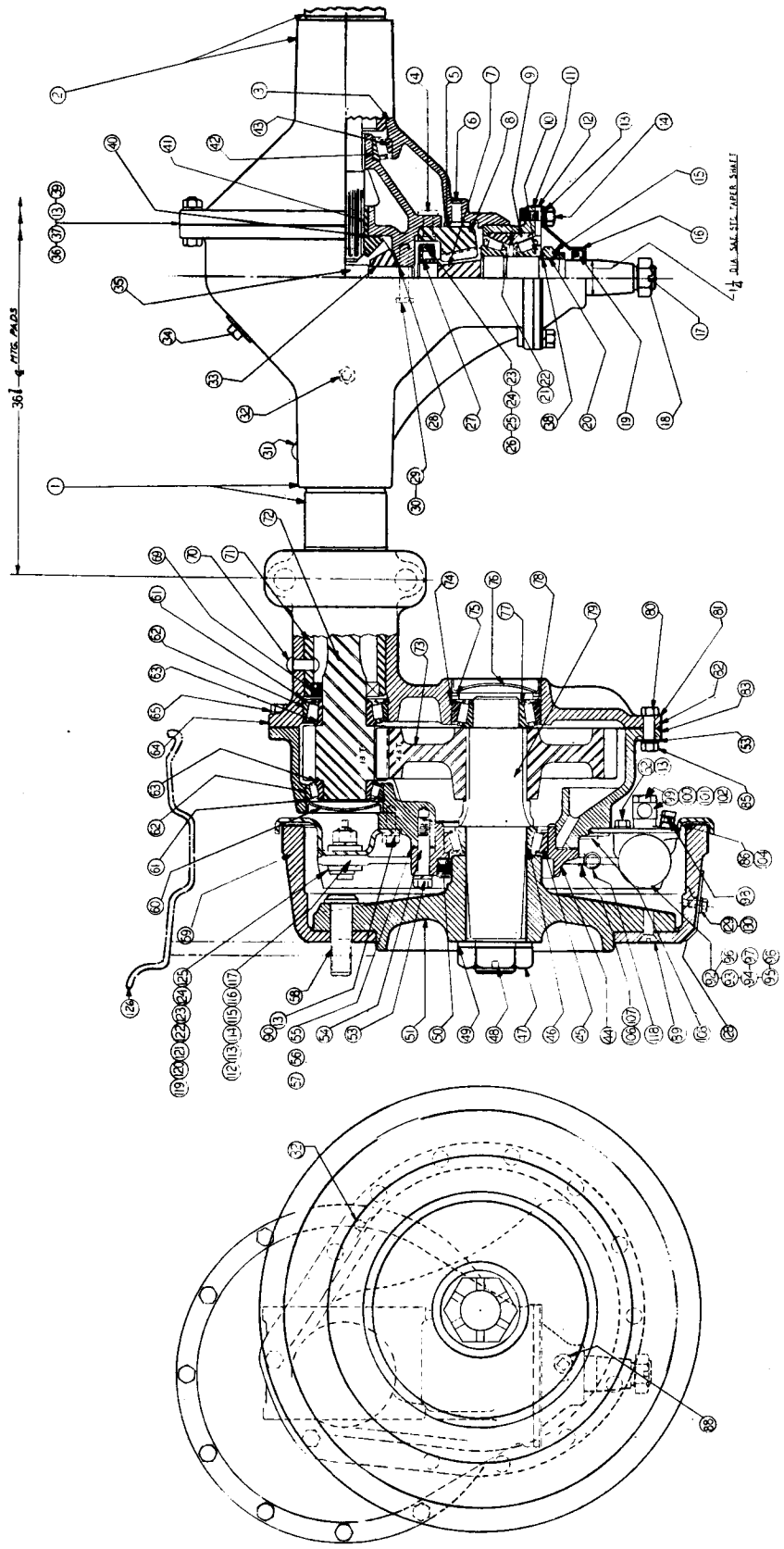


Fig. 20

REAR AXLE 110562 - DIFFERENTIAL

This Group originally used on Payloaders of Serial Nos. 55004 thru 55013, 55299 & up
See Rear Axle 110628 for other Serial Nos.

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers		
				FROM	THRU	
	110562	Rear Drive Axle Complete	1	55004	55013	
1	112061	Housing Assembly - Long (Tube, Sleeve and Cover) . . .	1			
2	112060	Housing Assembly - Short (Tube, Sleeve and Cover) . . .	1			
3	111090	Differential Case Assembly (included in Item 22)	1			
4	111153	Rivet - Drive Gear to Differential	12			
5	111176	Thrust Block - Bevel Gear	1			
6	111173	Pin - Bevel Gear Thrust Block	1			
7	111107	Pinion (6-40T) (included in 111106 Assembly)	1			
8	111142	Gear (6-4/6-1) Bevel Drive (includes in 111106 Ass'y) .	1			
9	111138	Cup - Drive Pinion Bearing	1			
10	111139	Cone - Drive Pinion Bearing	2			
11	111204	Gasket - Drive Pinion Cover	2			
12	112538	Plate - Brake Anchor	1			
13	109508	Nut	30			
14	111115	Capscrew	7			
15	111168	Lock - Pinion Bearing Nut	1			
16	111091	Cover Assembly - Pinion Drive (included in Item 19) . .	1			
17	104633	Cotter - Drive Pinion Nut	1			
18	111132	Nut - Drive Pinion	1			
19	111082	Oil Seal - Pinion Cover (included in Item 16)	1			
20	111164	Nut - Drive Pinion Brg. Adjuster	2			
21	111106	Differential Case Ass'y (consists of Items 7, 8 and 22).	1	55004	55013	
21	113031	Differential Case Ass'y (consists of Items 7, 8 and 22) .	1	55299	up	
22	111089	Differential Case Ass'y (included in 111106 Ass'y and consists of Items 28, 30, 33, 35, 40 and 41)	1	55004	55013	
22	112542	Differential Case Ass'y (included in 113031 Ass'y and consists of Items 28, 30, 33, 35, 40 and 41)	1	55299	up	
23	111171	Retainer - Pinion Rear Bearing	1			
24	104573	Lock - Pinion Rear Bearing	1			
25	111154	Rivet - Pinion Rear Bearing	2			
26	111165	Bearing - Rear Pinion Drive	1			
27	113784	Bearing - Drive Pinion Inner Race	1	{ 55004 55299 55299	55013 up up	
28	112539	Washer - Pinion Thrust (included in Item 22)	1			
28	111169	Washer - Pinion Thrust (included in Item 22)	4			
29	111151	Bolt - Differential Case (included in Item 3)	8			
30	111131	Lockwire - Differential Case Bolt (included in Item 22).	1			
31	111133	Rivet - Tube to Carrier (included in Items 1 and 2) . . .	16			
32	104581	Oil Breather Assembly (included in Items 1, 2 or 83) . .	3			
33	111202	Pinion - Differential (included in Item 22)	4	55004	55013	
33	112540	Pinion - Differential (included in Item 22)	4	55299	up	
34	104579	Plug - Differential Drain and Filler	2			
35	111227	Spider - Differential (included in Item 22)	1			
36	112064	Differential Carrier Flange Bolt	11			
37	109508	Nut - Differential Carrier Bolt	11			
38	111167	Washer - Pinion Brg. Nut	1			
39	111203	Gasket - Differential Carrier Flange	1			
40	111170	Washer - Differential Side Gear (included in Item 22) . .	2	{ 55004 55299 55299	55013 up up	
41	112541	Gear - Differential (included in Item 22)	1			
41	111201	Gear - Differential (included in Item 22)	2			
42	111130	Cone - Differential Bearing	2			
43	111129	Cup - Differential Bearing	2			

See next page for Final Drive and Brake Group of this Axle.

*Always give the Payloader Serial Number with the Part Number
and Name of Items needed when ordering Repair Parts.*

REAR AXLE 110562 - FINAL DRIVE AND BRAKE

This Group originally used on Payers of Serial No's 55004 thru 55013.
See Rear Axle 110628 for other Serial No's.

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
44	111097	Cage - Final Drive Shaft Bearing	2		
45	111140	Cup - Final Drive Shaft Outer Bearing	2		
46	111141	Cone - Final Drive Shaft Outer Bearing	2		
47	104600	Nut - Final Drive Shaft	2		
48	111111	Cotter - Final Drive Shaft	2		
49	111184	Washer - Final Drive Shaft	2		
50	111084	Oil Seal - Drive Shaft Outer Bearing	2		
51	112171	Hub - R.H. Wheel } includes Item 58	1		
51	112170	Hub - L.H. Wheel }	1		
52	104659	Capscrew	1		
53	104589	Lockwasher	42		
54	112162	Capscrew	12		
55	111208	Shim (.003) } Final Drive Outer Bearing Shaft	2		
56	111209	Shim (.030) }	2		
57	111210	Shim (.005) }	2		
58	112376	Wheel Bolt - R.H.	10		
58	112377	Wheel Bolt - L.H.	10		
59	112169	Drum - Brake	2		
60	112168	Cover - Axle Shaft Outer Bearing	2		
61	111190	Snap Ring - Axle Shaft Bearing	2		
62	111127	Cup - Drive Shaft Inner and Outer Bearing	4		
63	111128	Cone - Drive Shaft Inner and Outer Bearing	4		
64	111158	Dowel - Drive Case and Cover	6		
65	111119	Capscrew - Drive Case and Cover	4		
69	111083	Oil Seal - Drive Shaft Bearing	2		
70	111152	Rivet - Tube to Cover (incl. in Item 1 and 2)	16		
71		{ Tube - Long - Housing Axle } not sold separately			
71		{ Tube - Short - Housing Axle } incl. in Items 1 and 2			
72	112165	Shaft - Axle Drive and Pinion (13T)	2		
73	111257	Gear - (43T) - Final Drive	2		
74	111191	Snap Ring - Drive Shaft Inner Bearing	2		
75	111192	Spring Washer - Drive Shaft Inner Bearing	2		
76	111235	Cover - Drive Shaft Inner Bearing	2		
77	111136	Cup - Drive Shaft Inner Bearing	2		
78	111137	Cone - Drive Shaft Inner Bearing	2		
79	112164	Shaft - Final Drive	2		
80	111123	Capscrew - Drive Case and Cover	26		
81		Cover - R.H. and L.H. Case - (incl. in Items 1 and 2)	2		
82	111214	Gasket (.005) Drive Case and Cover	2		
82	111215	Gasket (.010) Drive Case and Cover	4		
83	112063	Case - L.H. Final Drive	1		
83	112062	Case - R.H. Final Drive	1		
85	104588	Nut - Case and Cover	26		
86	112179	Brake Ass'y - R.H. } includes Items 92 thru 125	1		
86	112180	Brake Ass'y - L.H. }	1		
88	111112	Plug - Oil Drain and Filler	4		
89	112163	Screw - Brake Drum to Hub	4		
90	113743	Capscrew - Brake Ass'y to Axle	12		
92	112263	Wheel Cylinder Ass'y (incl. Items 94 thru 98)	2		
93	107442	Wheel Cylinder Repair Kit			
94	112261	Boot (incl. in Item 92)	2		
95	112260	Piston (incl. in Item 92)	2		
96	111460	Cup (incl. in Item 92)	2		
97	111459	Spring (incl. in Item 92)	2		
98	112259	Bleeder Screw (incl. in Item 92)	2		

(Continued on next page)

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

FINAL DRIVE AND BRAKE GROUP - Continued

For Payloaders of Serial Nos. 55044 thru 55013, 55299 & up.

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
99	112262	Inlet Fitting - Brake Line to Cyl.	2		
100	104660	Bolt - wh. Cyl. Inlet Fitting	2		
101	HA-883	Gasket - Wheel Cyl. Fitting	2		
102	HA-884	Gasket - Wheel Cyl. Fitting	2		
104	112264	Brake Dust Shield Ass'y - consists of Items 106 thru 111 and is included in Item 86	2		
106	112266	Guide Pin - Long	2		
107	112267	Guide Pin - Short	2		
108	112268	Adjusting Cam Ass'y (includes Spring and Washer).	2		
112	112272	Reverse Shoe Ass'y (includes Lining).	2		
113	112273	Lining - Reverse Shoe.	2		
114	112274	Forward Shoe Ass'y (includes Lining)	2		
115	112275	Lining - Forward Shoe	2		
116	112276	Rivets - Brake Lining.	26		
117	112277	Adjusting Cam Pin - Brake Shoe.	2		
118	112278	Spring - Brake Shoe Return	2		
119	112279	Anchor Pin - Brake Shoe.	4		
120	112280	Bushing	4		
121	112281	Link Plate - Brake Shoe	2		
122	112282	"C" Washer - Brake	4		
123	112283	Spring - Anti-Rattle	4		
124	112284	Retainer	4		
125	112285	Rod	4		
126	103197	Wheel - Rear.	2		
126	106474	Lock Ring.	2		
126	106473	Side Ring	2		
127	HA-953	Key - Drive Shaft to Axle (not shown).	1		
128	114381	Cover - Brake Inspection Hole	2		
129	109335	Capscrew - Brake Inspection Cover.	4		
130	104663	Lockwasher - Brake Inspection Cover	4		
	113342	Wrench - Socket - Hub Nut.	1		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

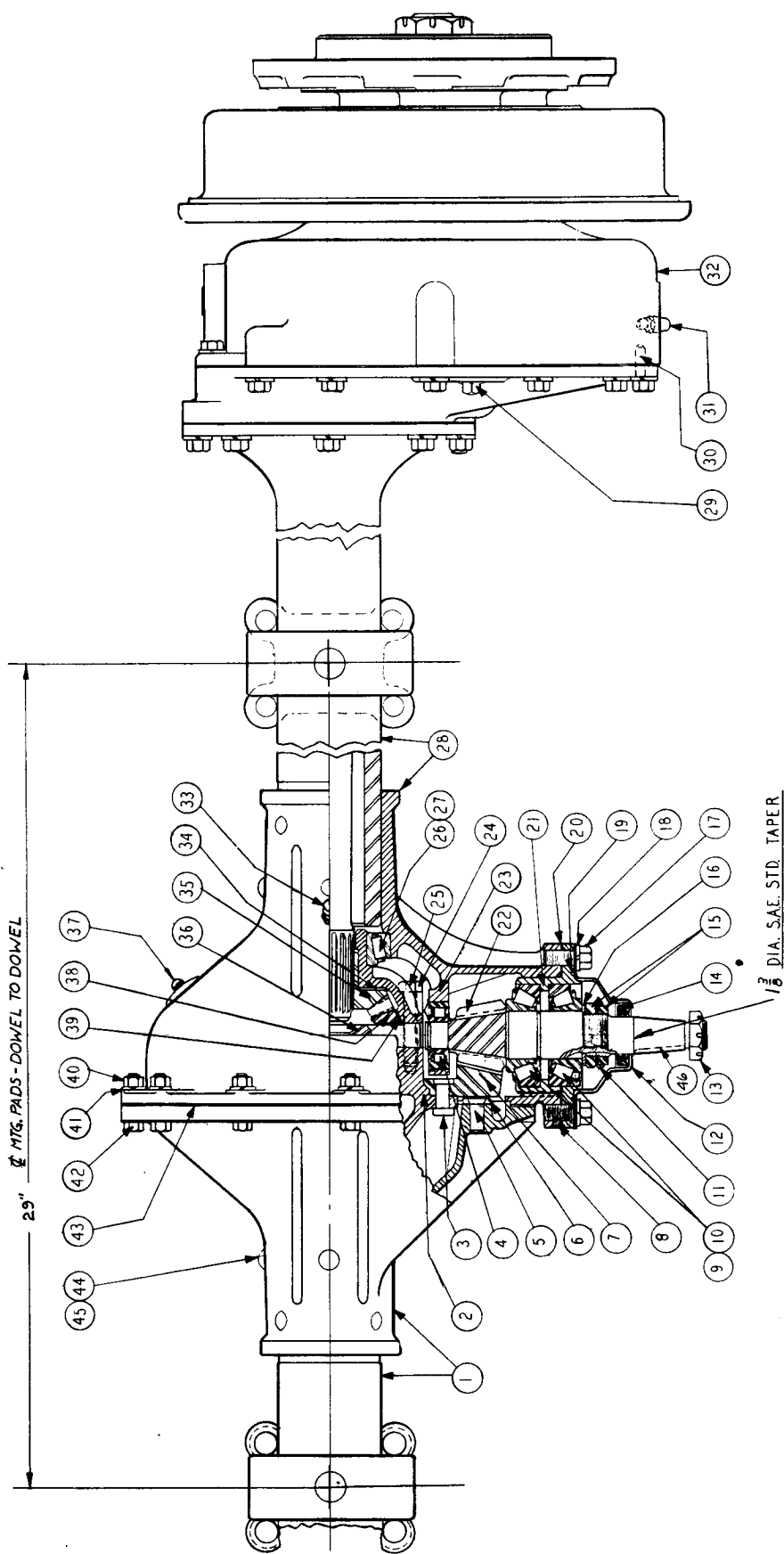


Fig. 21

REAR AXLE 110628 - DIFFERENTIAL

Originally Used on Payloaders beginning with Serial No. 55014 thru 55298
See Rear Axle 110562 for other Serial No's.

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
	110628	Rear Axle Drive Complete (includes the following)	1	55014	up
1	112046	Housing - Center, Tube and Spring Seat (Short Side) . . .	1		
2	104552	Differential Case - (Flange and Tongue Halves) (in- cluded in 104596 and 112286 assemblies)	1		
3	104553	Rivet - Differential Case and Bevel	12		
4	104554	Bearing - Pinion Gear	1		
5	104555	Pin - Bevel Gear Thrust Block	1		
6	104556	Thrust Block - Bevel Gear	1		
7	112048	Gear - Bevel Drive (40T) (Part of 112286 Assembly) . .	1		
8	104558	Dowel - Bevel Pinion Cage	1		
9	104559	Cone - Bevel Pinion	2		
10	104560	Cup - Bevel Pinion	2		
11	104561	Lock - Bevel Pinion Brg. Nut	1		
12	104562	Cover - Pinion Brg. Cage (includes Item 14)	1		
13	104078	Nut - Drive Pinion Shaft	1		
14	104564	Oil Seal - Pinion Brg. Shaft	1		
15	104565	Nut - Bevel Pinion Bearing	2		
16	104566	Washer - Bevel Pinion Bearing	1		
17	112049	Capscrew - Pinion Cage	6		
18	104568	Lockwasher - Pinion Cage	6		
19	104569	Cork - Pinion Oil Seal Retainer	1		
20	104570	Shim - Bevel Pinion Cage	1		
20	112050	Shim - Bevel Pinion Cage	1		
21	104571	Cage Assembly - Pinion Brg. and Cup (included in 112051)	1		
21	112051	Cage and Pinion Assembly - (consists of Item 9, 11, 15, 16, 19 and 21 and included in 112286 assembly)	1		
22	112052	Pinion (6T) - Bevel Drive (Part of 112286 Assembly) . .	1		
23	104573	Lock - Bevel Pinion Rear Brg	1		
24	104574	Capscrew - Differential Case	8		
25	104575	Lockwire - Differential Case Capscrews	1		
26	104576	Cone - Differential Bearing	2		
27	104577	Cup - Differential Bearing	2		
28	112047	Housing - Center, Tube and Spring Seat (Long Side) . .	1		
29	104579	Plug - Final Drive Drain and Filler	1		
30	104580	Dowel Pin - Gear Case	6		
31	104581	Breather - Final Drive Case	1		
32		Case - R.H. or L.H. (See Final Drive Group)	1		
33	104581	Breather - Differential Carrier	1		
34	104583	Thrust Washer - Differential Gear (included in 104596 Assembly)	2		
35	104584	Side Gear - Differential (included in 104596 Assembly) .	2		
36	104585	Spider - Differential (included in 104596 Assembly) . .	1		
37	104579	Plug - Final Drive Drain and Filler	1		
38	104586	Pinion - Differential (included in 104596 Assembly) . .	1		
39	112055	Thrust Washer - Diff. Pinion (included in 104596 Ass'y).	4		
40	104588	Nut - Carrier Flange Bolt	11		
41	104589	Lockwasher - Carrier Bolt	11		
42	104590	Bolt - Carrier Flange	11		
43	104591	Gasket - Carrier Flange	1		
44	104592	Rivet - Housing Tube	16		
45	104593	Rivet - Housing Tube (as required)	16		
	104596	Differential Case, Gear and Spider Ass'y (consist of Items 2, 34, 35, 36, 38 and 39 and is incl. in 112286 Assembly)			
	112286	Diff. Case Ass'y Complete with Ring Gear and Pinion (includes Items 2, 7, 21, 22 in addition to 104596 Assembly)			
46	104835	Key - Drive Shaft to Axle			
	106016	Wrench - Socket - Hub Nut			

*Always give the Payloader Serial Number with the Part Number
and Name of Items needed when ordering Repair Parts.*

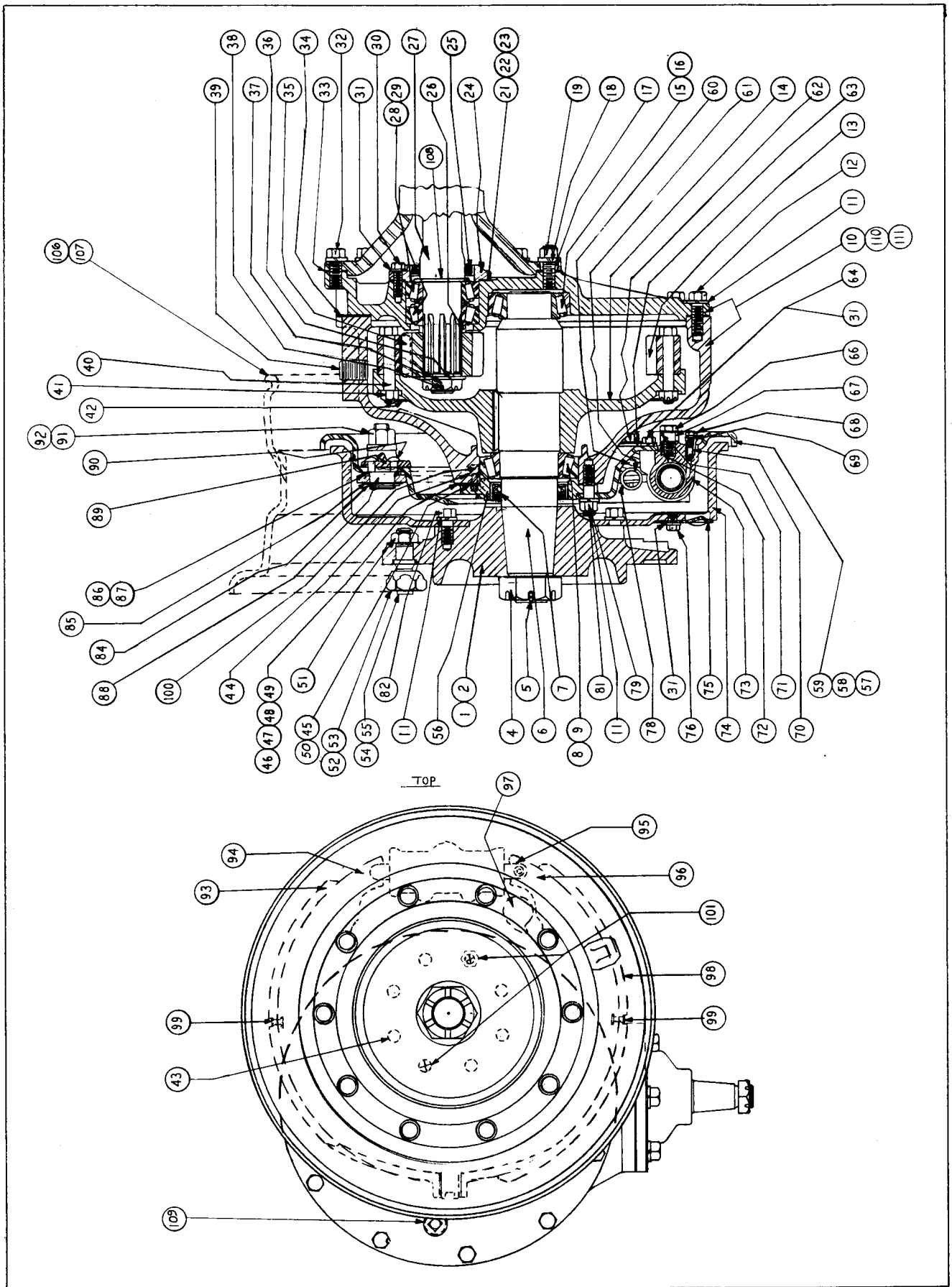


Fig. 22

REAR AXLE 110628 - FINAL DRIVE AND BRAKE

Originally used on Payloaders beginning with Serial No. 55014 thru 55298
See Rear Axle 110562 for other Serial No's.

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	107211	Hub - Final Drive R.H.	1		
2	107212	Hub - Final Drive L.H.	1		
4	107214	Nut - Final Drive Shaft	2		
5	112362	Cotter - Final Drive Nut	2		
6	107213	Shaft - Final Drive	2		
7	104603	Oil Seal - Final Drive Shaft	2		
8	104604	Cone - Final Drive Outer Bearing	2		
9	104605	Cup - Final Drive Outer Bearing	2		
10		Final Drive Case and Cover - See Items 110 and 111	2		
11	104607	Lockwasher - Gear Case and Cover	56		
12	112200	Capscrew - Gear Case and Cover	22		
13	104609	Gear (44T) - Drive Spur	2		
14	107215	Hub - Final Drive Gear	2		
15	104611	Cone - Final Drive Inner Bearing	2		
16	102149	Cup - Final Drive Inner Bearing	2		
17	104613	Dowel - Drive Case to Housing	2		
18	104568	Lockwasher - Final Drive Case	16		
19	104614	Nut - Final Drive Case to Housing	2		
21	104616	Shim - (.003) - Axle Drive	2		
22	104617	Shim - (.010) - Shaft Bearing	4		
23	104618	Gasket - Axle Shaft Bearing Cover	2		
24	104619	Cover - Axle Drive Shaft Bearing	2		
25	104620	Oil Seal - Drive Shaft	2		
26	104621	Spacer - Drive Shaft	2		
27	112195	Shaft - Drive Axle	2		
28	104623	Cone - Drive Shaft Bearing	4		
29	104624	Cup - Drive Shaft Bearing	4		
30	111118	Capscrew - Drive Shaft Cover	10		
31	104626	Lockwasher - Drive Shaft Cover	12		
32	112312	Capscrew - Final Drive Case to Hsg	14		
33	104628	Gasket - Final Drive Case to Hsg	2		
34	104629	Gasket - Final Drive Case and Cover	2		
35	104630	Pinion (13T) - Final Drive Spur	2		
36	104631	Washer - Drive Shaft	2		
36	110905	Washer - Drive Shaft	2		
37	104078	Nut - Drive Shaft	2		
38	104633	Cotter - Drive Shaft Nut	2		
39	112363	Plug - Drive Case Drain	2		
39	104579	Plug - Drive Case Filler	2		
40	104635	Bolt - Drive Gear to Hub	20		
41	104636	Nut - Drive Gear Bolt	20		
42	104637	Lockwire - Drive Gear Bolt	2		
43	104638	Bolt	6		
44	104639	Guide Pin Washer - Thick } included in 104652 and			
45	104640	Guide Pin Washer - Thin } 104653 Assemblies			
46	104641	Shim - (.003) - Drive Shaft Bearing Cover	2		
47	104642	Shim - (.005) - Drive Shaft Bearing Cover	2		
48	104643	Shim - (.030) - Drive Shaft Bearing Cover	2		
49	104644	Gasket - Drive Shaft Cover	2		
50	104645	"C" Washer - (included in 104652 and 104653 Ass'ys)	4		
51	104646	Nut - Wheel Stud to Hub	20		
52	102430	Nut - Wheel Stud R.H	10		
53	102431	Nut - Wheel Stud L.H	10		
54	104649	Stud - Wheel R.H	10		
55	104650	Stud - Wheel L.H	10		
56	104651	Cap - Final Drive Shaft Bearing	2		

Continued on next page

*Always give the Payloader Serial Number with the Part Number
and Name of Items needed when ordering Repair Parts.*

FINAL DRIVE AND BRAKE GROUP - Continued

For Payloaders beginning with Serial No. 55014 thru 55298

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU#
57	104652	Brake Ass'y - R.H. } consists of Items 44, 45, 50, 59, 61, Brake Ass'y - L.H. } 62, 84, 85, 86, 87, 91, 92, 94 & 96 . .	1		
58	104653		1		
59	104654	Brake Dust Shield Ass'y - (consist of Items 60, 62, 78, 89, 90, and 100) (included in 104652 & 104653 Ass'y) .	2		
60	104655	Spring - Brake Shield (included in 104654 Ass'y)	2		
61	104656	Spring - (included in Items 57 and 58)	2		
62	104657	Adjusting Cam Bolt Ass'y (included in Item 59)	4		
63	104658	Washer - Cam Bolt (included in Item 62)	4		
64	104659	Capscrew	2		
65	104626	Lockwasher	2		
66	104660	Bolt - Wheel Cylinder Inlet Connection.	2		
67	104661	Inlet Connection.	2		
68	104662	Capscrew - Bleeder	2		
69	104663	Lockwasher - Bleeder.	2		
70	104664	Bleed Screw - Wheel Brake Cylinder	2		
71	HA-884	Gasket - Inlet Connection - Wheel Cylinder.	2		
72	HA-883	Gasket - Inlet Connection - Wheel Cylinder.	2		
73	104667	Wheel Cylinder (includes Item 66 - 72 and 102 - 105) . .	2		
	107224	Wheel Cylinder Repair Kit.			
74	104668	Drum - Axle Brake.	2		
75	104669	Cover - Brake Inspection.	2		
76	104670	Capscrew - Inspection Cover	2		
78	104672	Guide Pin - Long (included in 104654 Ass'y)	2		
79	112315	Stud - Final Drive Shaft Cover	6		
81	104674	Nut - Drive Shaft Cover Stud	12		
82	112199	Capscrew - Brake Drum to Hub	18		
84	104677	"C" Washer - Anchor Pin (included in Items 57 and 58). .	4		
85	104678	Washer - Anchor - (included in Items 57 and 58)	4		
86	104679	Retainer - Anchor (included in Items 57 and 58).	4		
87	104680	Felt - Anchor (included in Items 57 and 58).	4		
88	104681	Anchor Pin	2		
89	104682	Shoe Anchor Bracket (included in Item 59)	2		
90	104683	Rivet - Brake Shield (included in Item 59).	4		
91	104684	Lockwasher - Anchor Pin (included in Items 57 and 58). .	2		
92	104685	Nut - Anchor Pin (included in Items 57 and 58)	2		
93	104686	Lining - Forward Brake Shoe (included in Item 94).	2		
94	104687	Forward Brake Shoe Ass'y (incl. in Items 57 and 58) . .	2		
95	104688	Wheel Cylinder Link Ass'y.	2		
96	104689	Reverse Brake Shoe Ass'y (incl. in Items 57 and 58). . .	2		
97	104690	Adjusting Cam - (included in Item 59)	2		
98	104691	Lining - Reverse Shoe (included in Item 96)	2		
99	112367	Rivets - Brake Lining (incl. in Items 94 and 96).	30		
100	104693	Guide Pin - Short - Dust Shield (incl. in Item 59).	2		
101	104694	Bolt - Final Drive Shaft Cover	4		
102	104695	Piston - Wheel Cylinder	2		
103	104696	Cup - Wheel Cylinder	2		
104	104697	Spring - Wheel Cylinder	2		
105	104698	Boot - Wheel Cylinder	2		
106	103197	Wheel.	2		
107	106473	Lock Ring - Wheel	2		
107	106474	Side Ring - Wheel.	2		
108	110905	Washer - Drive Axle.	2		
109	112201	Plug - Oil Level.	2		
110	112053	Case only - L.H. Drive Gear Hsg	1		
110	112054	Case only - R.H. Drive Gear Hsg	1		
111	112197	Cover only - L.H. Drive Gear Hsg.	1		
111	112198	Cover only - R.H. Drive Gear Hsg.	1		

Replacement Tires and Tubes not sold by The Frank G. Hough Co.

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

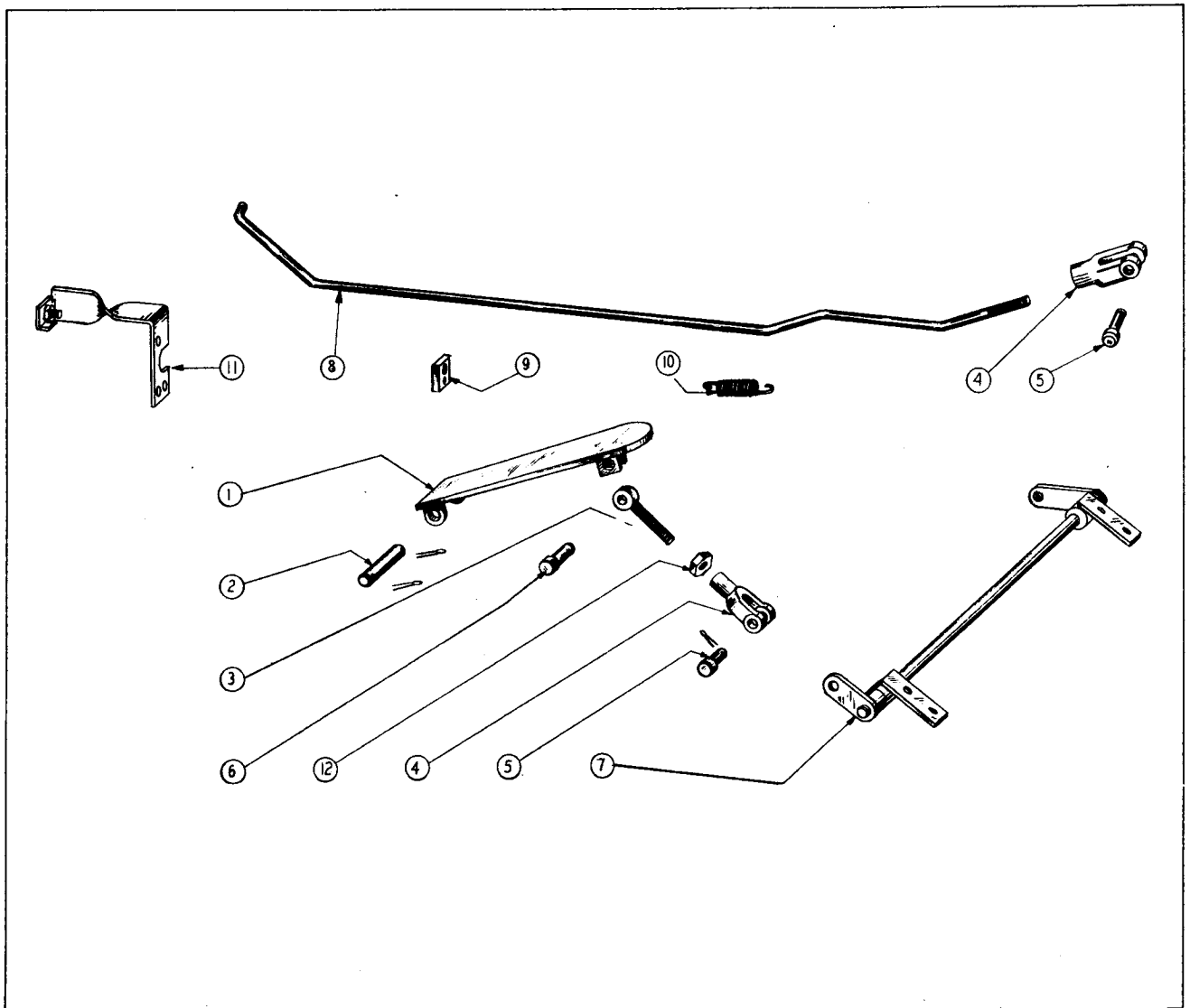


Fig. 23
ACCELERATOR GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	HL-1235	Accelerator Control Pedal	1		
2	HL-1234	Pivot Pin - Accel. Pedal to Floorboard	1		
3	106468	Eyebolt - Pedal to Clevis.	1		
4	HA-807	Clevis - Eyebolt to Cross-Shaft	2		
5	HA-845	Pin - Clevis to Cross-Shaft	2		
6	HL-1264	Pin - Eyebolt to Pedal.	1		
7	HA-796	Cross-Shaft Assembly.	1		
8	110125	Throttle Rod - Cross-Shaft to Eng.	1		
9	HA-992	Block - Throttle Rod Support	1		
10	106475	Spring - Accel. Return	1		
11	105022	Bracket - Spring Support.	1		
12		Jam Nut - Clevis - 1/4 - 28 NF Thd	1		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

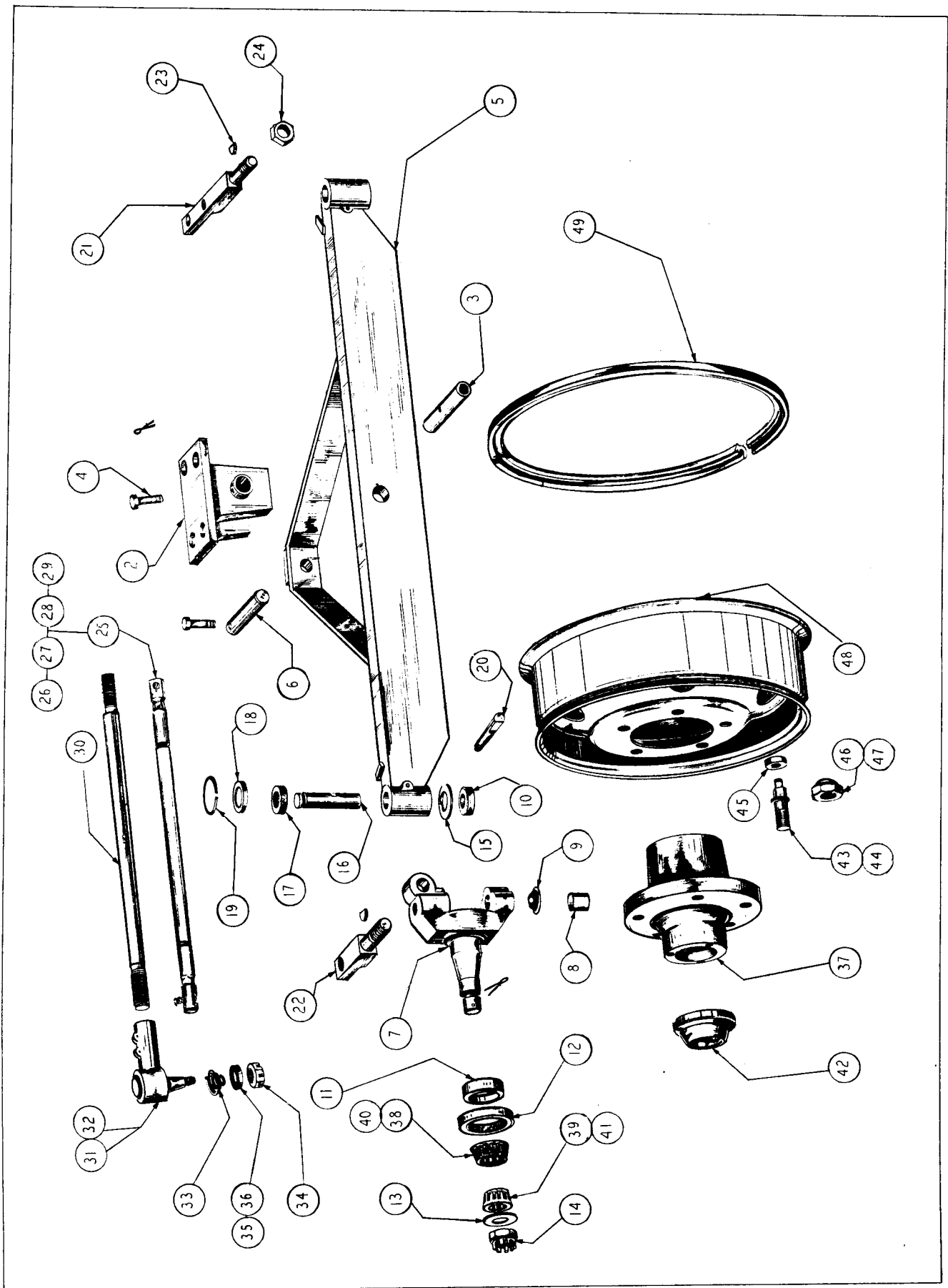


Fig. 24

FRONT AXLE AND STEERING

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
2	103595	Bolster - Axle to Frame	1	55004	55298
3	103120	Bolster Pivot Pin - to Axle	1	55004	up
4	103122	Bolt - Bolster Pin Lock.	1		
5	110785	Front Axle	1		
6	102405	Pivot Pin - Radius Rod - Axle to Frame.	1		
7	102406	Spindle with Bushings	2		
8	102368	Bushing - Spindle	4		
9	102407	Welsh Expansion Plug - Spindle	2		
10	102408	Thrust Bearing - Spindle - (T-138)	2		
11	107388	Spindle Washer	2		
12	108806	Dirt Seal.	2		
13	HL-1836	Washer - Spindle Nut	2		
14		Nut - Spindle - 1-1/4 - 12 Thd. Castle.	2		
15	102660	Spacer - Thrust Bearing to Axle	2		
16	102414	King Pin - Spindle to Axle	2		
17	HL-1843	Dirt Seal - King Pin	2		
18	HL-1859	Retainer - Dirt Seal	2		
19	102415	Snap Ring - Retainer Dirt Seal	2		
20	102416	Keeper - King Pin to Axle	2		
		Nut - Keeper Pin - 1/2 - 20 NF Thd	2		
21	108807	Steering Arm - Left Hand	1		
22	108007	Steering Arm - Right Hand.	1		
23		Key - Strg. Arm - #18 Woodruff	2		
24		Nut - Strg. Arm - 1-1/4 - 12 NF Thd.	2		
25	108487	Drag Link Complete (includes Items 22 thru 25	1		
26	HS-832	Plug - Slotted - Ball Joint	2		
27	HS-836	Bearing - Ball Joint to Ball Stud.	4		
28	HS-830	Spring - Ball Joint	2		
29	HS-831	Spring Seat Plug - Ball Joint.	2		
30	102423	Tie Rod	1		
31	102586	Tie Rod End - R.H. (S-7505).	1		
32	102587	Tie Rod End - L.H. (S-7506).	1		
33	102902	Spiral Spring - Tie Rod End.	2		
34	102903	Nut - Tie Rod End	2		
35	102904	Felt Seal - Tie Rod End.	2		
36	102905	Seal Retainer - Tie Rod End.	2		
37	108802	Hub with Cups - Front Wheel	2		
38	108803	Bearing Cup - Inner - (453-X)	2		
39	HS-571	Bearing Cup - Outer - (2734)	2		
40	108804	Bearing Cone - Inner - (456)	2		
41	108805	Bearing Cone - Outer - (2788)	2		
42	107390	Hub Cap	2		
43	102906	Studs - R.H. (12247)	5		
44	102907	Studs - L.H. (12248)	5		
45	101735	Locking Nut - Studs (41073-E-7)	10		
46	102430	Cap Nut - R.H. (37888)	5		
47	102431	Cap Nut - L.H. (37889)	5		
48	108809	Front Wheel (#D-35410-D)	2		
49	112416	Lock Ring - Front Wheel (32639-E-7)			
		Tire - 7.00 x 20 - 8 ply Hi-Miler Rib.			Tires and Tubes not sold by Frank G. Hough Co.
		Tube - with TR-76A Valve			

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

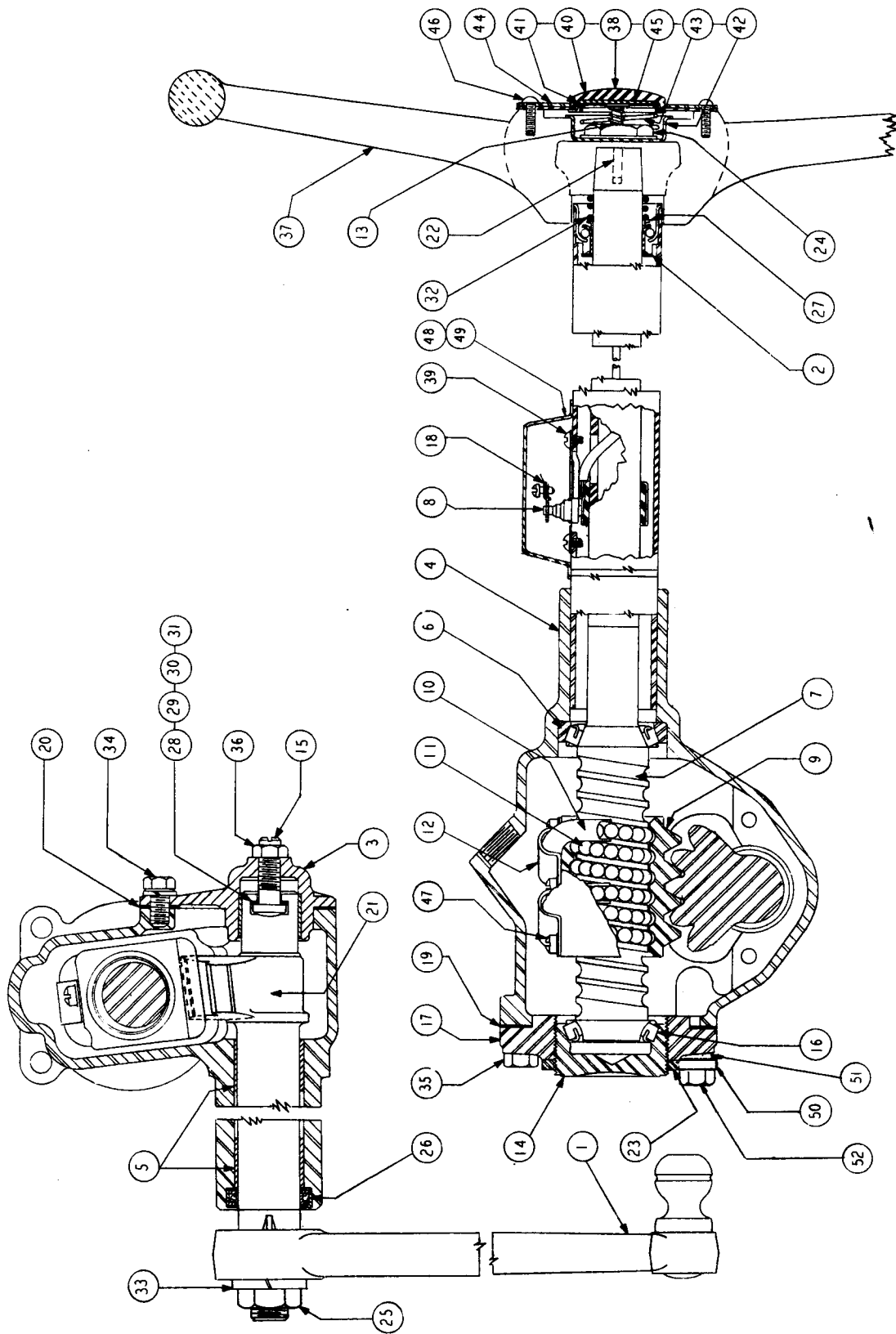


Fig. 25

STEERING GEAR GROUP COMPLETE #107810

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
	109852	Steering Gear LESS Pitman Arm, Steering Wheel and Horn Button Assembly	1		
1	109853	Pitman Arm Assembly	1		
2	HL-1821	Upper Bearing Assembly	1		
3	HS-902	Cover Assembly	1		
4	109855	Housing Ass'y - Strg. Gear	1		
5	HS-904	Bushing - Pitman Shaft	2		
6	HS-905	Cup - Worm Thrust Bearing	1		
7	109854	Shaft Ass'y (includes Items 8 thru 13)	1		
8	107945	Contact Assembly - Horn Cable	1		
9		Nut - Ball	1		
10	107942	Guide - Ball Return	4		
11	HS-911	Ball	106		
12	107941	Clamp - Ball Return Guide	1		
13	107944	Terminal Assemble - Horn	1		
14	HS-913	Adjuster - Worm Bearing	1		
15	HS-914	Adjuster - Lash	1		
16	HS-915	Bearing - Worm Thrust - Upper and Lower	2		
17	HS-916	Cover - Housing End	1		
18	HS-917	Connector Assembly - Horn Cable	1		
19	HS-918	Gasket - End Cover	1		
20	HS-919	Gasket - Side Cover	1		
21	HS-920	Gear - Pitman Shaft	1		
22	HS-921	Key - Steering Wheel	1		
23	HS-922	Nut - Worm Brg. Adjuster Lock	1		
24	HS-923	Nut - Steering Wheel	1		
25	HS-924	Nut - Pitman Arm	1		
26	HS-925	Seal - Pitman Shaft Grease	1		
27	HS-926	Seat - Upper Brg. Spring	1		
28	HA-1440	Shim - Lash Adjuster	} Select One		
29	HA-1441	Shim - Lash Adjuster			
30	HA-1445	Shim - Lash Adjuster			
31	HA-1446	Shim - Lash Adjuster			
32	HS-928	Spring - Upper Bearing	1		
33	HS-929	Washer - Pitman Arm Lock	1		
34	HS-930	Bolt - Side Cover	3		
35	HS-931	Bolt - End Cover	4		
36	HS-932	Nut - Lash Adjuster	1		
37	105266	Steering Wheel	1		
38	105678	Horn Button Ass'y (includes Items 39 thru 46)	1		
39	HA-1570	Screw - Horn Connector	2		
40	105671	Cap	} Not sold separately order Item 38		
41	105672	Insulator			
42	105673	Contact			
43	105674	Spring			
44	105675	Retainer			
45	105676	Plate			
46	105677	Screw			
47	107940	Bolt and Washer Ass'y - Ball Guide	3		
48	108490	Cover - Horn Connector	1		
49	108495	Screw - Horn Connector	2		
	108498	Washer - Horn Connector	2		
	HL-3821	Filler Pipe Ass'y - Gear Hsg. Grease (not shown)	1		
50	112243	Block - Worn Adj. Nut Lock (not shown)	1		
51	112244	Spacer - Worm Adj. Nut Lock (not shown)	1		
52	112343	Bolt - Adjuster Lock 7/16" x 1-3/4" Lg.	1		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

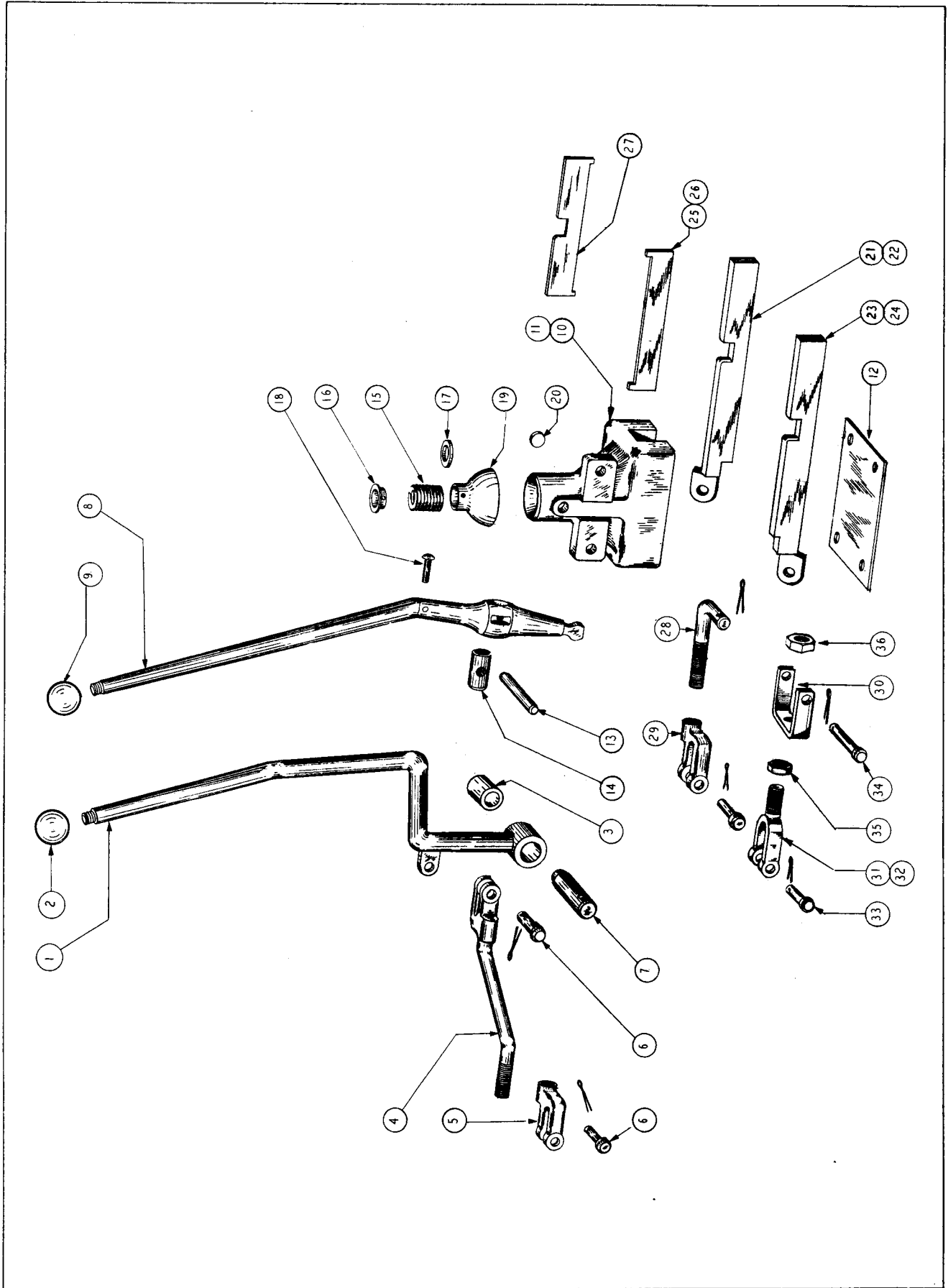


Fig. 26

GEARSHIFT LEVER GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	110605	Shifter Lever - Directional	1		
2	HL-3343	Ball - Shifter Lever	1		
3	109061	Bushing - Directional Lever.	1		
4	110736	Link - Lever to Transmission	1		
5	104891	Clevis - Link.	1		
		Nut, 1/2" 20 NF Thd., Clevis Lock	1		
6	GH-212	Pin - Clevis Pivot - 1/2".	4		
7	108801	Pivot Pin - Shifter Lever.	1		
8	110610	Shifter Lever - Speed Range.	1		
9	HL-3343	Ball - Shifter Lever	1		
10	103912	Housing - Gearshift (See Note 1).	1	55004	55298
11	113376	Housing - Gearshift	1	55299	up
12	103927	Cover Plate - Housing.	1		
13	103921	Swivel Shaft - Small	1		
14	103922	Swivel Shaft - Large.	1		
15	103923	Spring	1		
16	103924	Spring Stop - Upper	1		
17	103926	Spring Stop - Lower	1		
18		Pin - Spring Stop	1		
19	103925	Housing Shield with Bushing.	1		
20	103928	Seal Plug - Expansion Type	1		
21	110732	Shifter Rail - 1st and 2nd - Obsolete (See Note 1).	1	55004	55088
22	112249	Shifter Rail - 1st and 2nd (See Note 1)	1	55089	up
23	110731	Shifter Rail - 3rd and 4th - Obsolete (See Note 1).	1	55004	55088
24	112247	Shifter Rail - 3rd and 4th (See Note 1)	1	55089	up
25	113381	Wear Plate - 1/16" Thick (Service Item)	2		
26	112190	Wear Plate - 1/8" Thick	2	55089	up
27	113367	Separator Plate	1	55299	up
28	111904	Shifter Rod - Obsolete (See Note 2)	2	55004	55368
29	104891	Offset Clevis - Obsolete (See Note 2).	2	55004	55368
30	114376	Yoke End	2	55369	up
31	114375	Clevis - Rod End (Service Item)	2		
32	110603	Clevis - Rod End	2	55369	up
33	GH-212	Pin Assembly	2	55369	up
34	9X-493	Pin Assembly	2	55369	up
35	114388	Lock Nut.	2	55369	up
36		Nut - 1/2" - 20 NC Thd. Hex.	2	55369	up

NOTE 1: When replacing either the original Gearshift Housing or the original Gearshift Rails order as follows to improve Shifting Linkage.
 For Machines of Serial Numbers 55004 thru 55013, order Items 22, 24, 25, 27, 30, 31, 33, 34, 35 and 36.
 For Machines of Serial Numbers 55014 thru 55298, order Items 22, 24, 25, 27, 30, 32, 33, 34, 35 and 36.

NOTE 2: When replacing the original Shifter Linkage (Items 28 or 29) order as follows to improve Shifting.
 For Machines of Serial Numbers 55004 thru 55013, order Items 30, 31, 33, 34, 35 and 36.
 For Machines of Serial Numbers 55014 thru 55368, order Items 30, 32, 33, 34, 35 and 36.

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

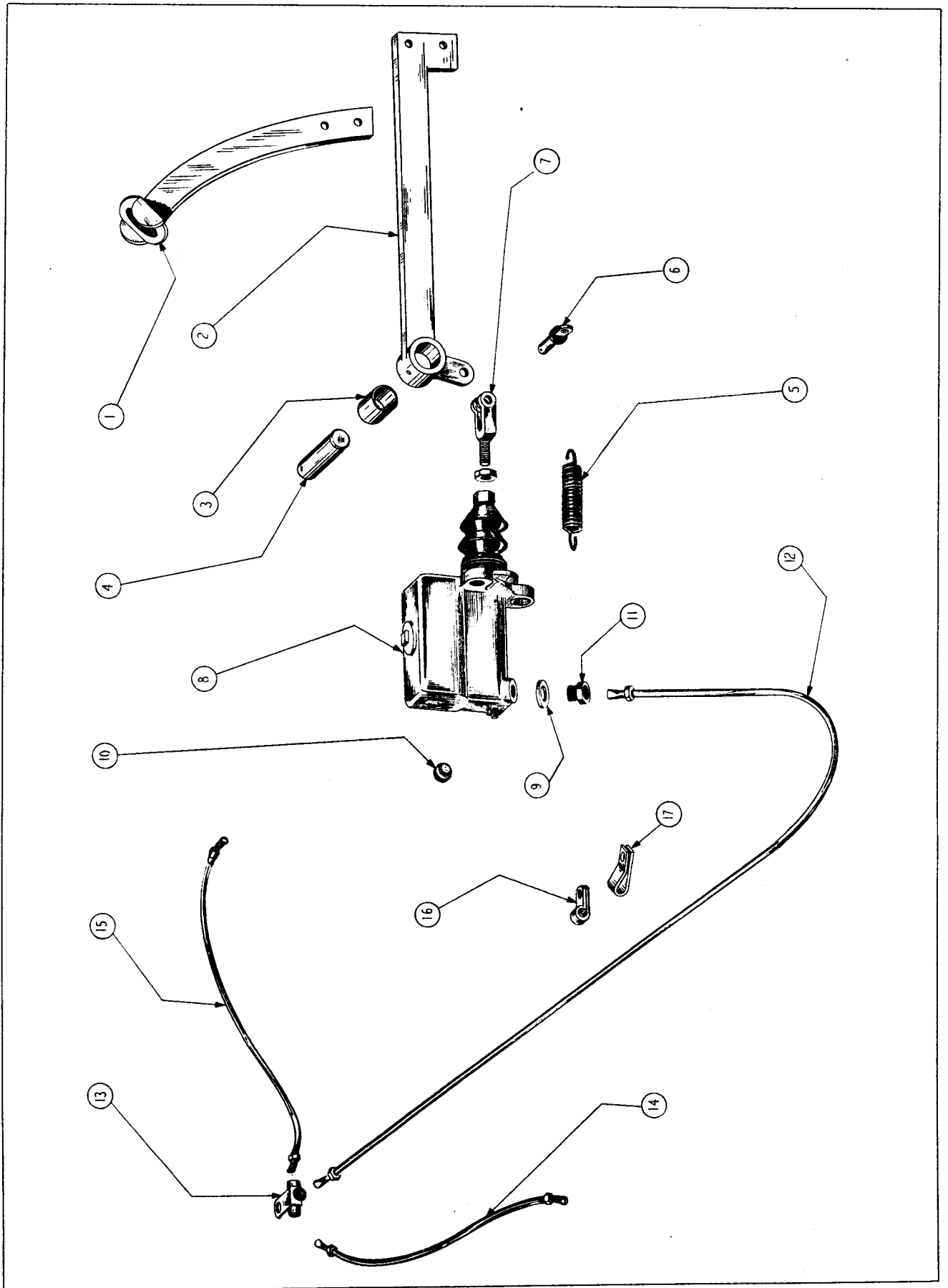


Fig. 27

BRAKE CONTROL GROUP - FOOT

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	103902	Foot Pad Arm	1		
2	108766	Foot Pedal Pivot Arm	1		
3	103847	Bushing - Brake Pivot Arm	1		
4	108771	Shaft - Brake Pivot	1		
5	HL-3598	Spring - Brake Return	1		
6	103905	Spring Retainer Pin	1		
7	108770	Clevis - Brake Pedal to Master Cylinder	1		
8	102884	Master Brake Cylinder	1		
	107276	Repair Kit - Master Cylinder			
9	HL-3753	Gasket - Master Cylinder	1		
10	HL-3552	Plug - Master Cylinder	1		
11	HL-3553	Adapter - Master Cylinder	1		
12	112207	Brake Fluid Line - Master Cylinder to Tee	1		
13	HL-3543	Tee - Fluid Line	1		
14	110621	Fluid Line - Tee to R.H. Wheel	1		
15	110723	Fluid Line - Tee to L.H. Wheel	1		
16	105907	Tubing Clip - Fluid Line	1		
17	HL-3550	Tubing Clip - Fluid Line	1		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

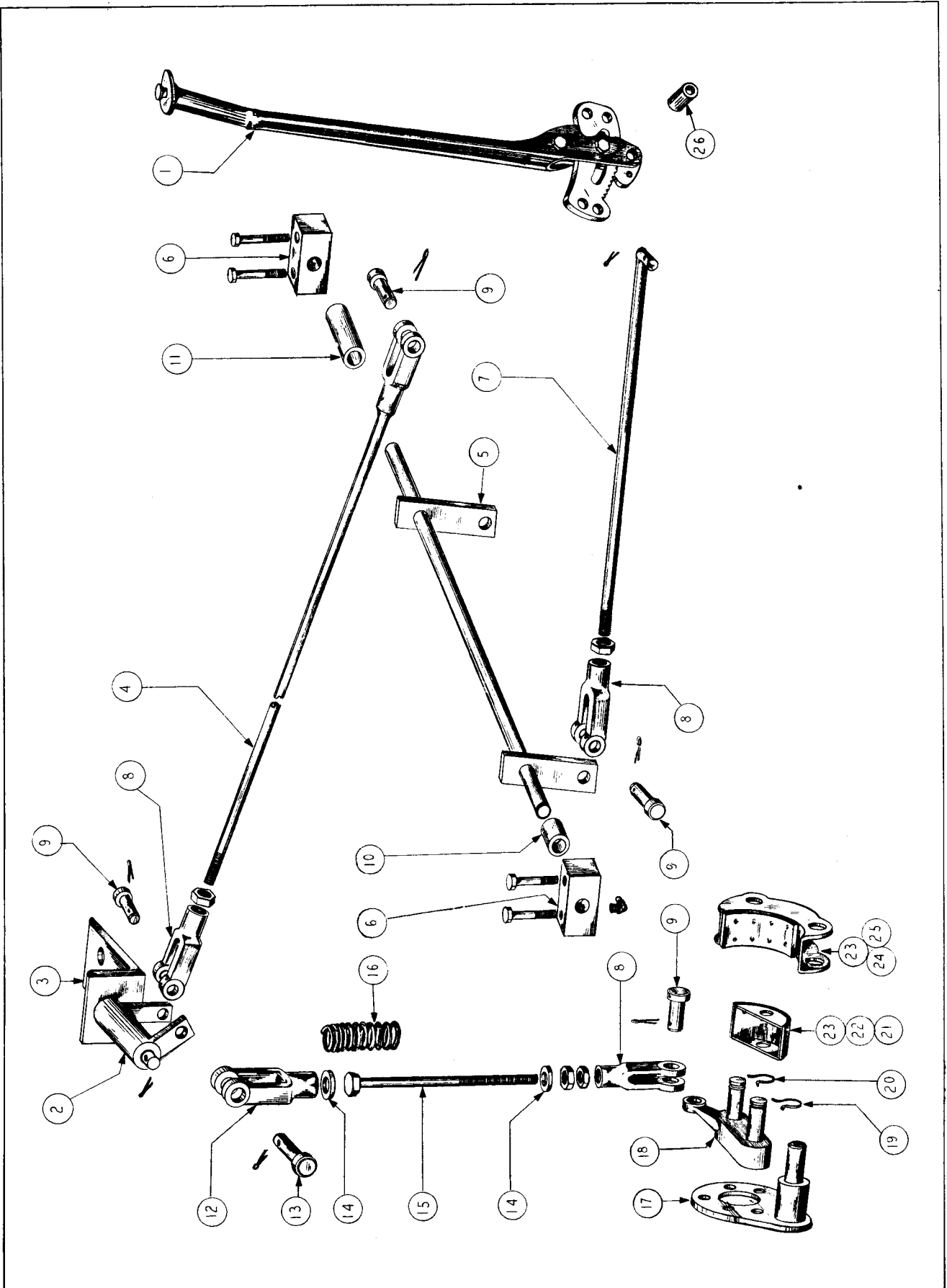


Fig. 28

HAND BRAKE GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	HL-3393	Hand Brake Lever	1		
2	112214	Pivot Crank.	1	55004	55013
2	111529	Pivot Crank.	1	55014	up
3	112215	Pivot Bracket	1	55004	55013
3	111533	Pivot Bracket	1	55014	up
4	112216	Rod - Cross Shaft to Crank	1	{ 55004	55013
4	111536	Rod - Cross Shaft to Crank	1	{ 55299	up
4	111536	Rod - Cross Shaft to Crank	1	55014	55298
5	112217	Cross Shaft.	1	55004	55013
5	111538	Cross Shaft.	1	55014	up
6	111541	Bearing Block - Cross Shaft Sup.	2		
7	111545	Rod - Lever to Cross Shaft	1		
8	HL-3485	Clevis - 3/8".	3		
9	HL-3486	Pin - Clevis Pivot - 3/8".	4		
10	111544	Spacer - Cross Shaft.	1		
11	112213	Spacer - Cross Shaft.	1	55004	55013
11	111543	Spacer - Cross Shaft.	1	55014	up
12	GH-211	Clevis - 1/2".	1		
13	GH-212	Pin - Clevis Pivot - 1/2".	1		
14	111549	Washer - Spring.	2		
15	111542	Bolt - Spring.	1		
16	111072	Spring	1		
17	112538	Anchor - Brake Shoe.	1	{ 55004	55013
17	111975	Anchor - Brake Shoe - Bolt to Axle.	1	{ 55299	up
17	111975	Anchor - Brake Shoe - Bolt to Axle.	1	55014	55298
18	111976	Lever - Brake Shoe	1	{ 55004	55013
18	111081	Lever - Brake Shoe	1	{ 55299	up
18	111081	Lever - Brake Shoe	1	55014	55298
19	107886	Snap Ring - Anchor Pin.	1		
20	111166	Snap Ring - Lever Pin.	2		
21	111088	Brake Shoe Assembly - Inner	1		
22	111978	Linning - Inner Brake Shoe	1		
23	111159	Rivets - Linning.	14		
24	111087	Brake Shoe Assembly - Outer.	1		
25	111977	Linning - Outer Brake Shoe	1		
26	107106	Spacer - Hand Lever to Frame.	2		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

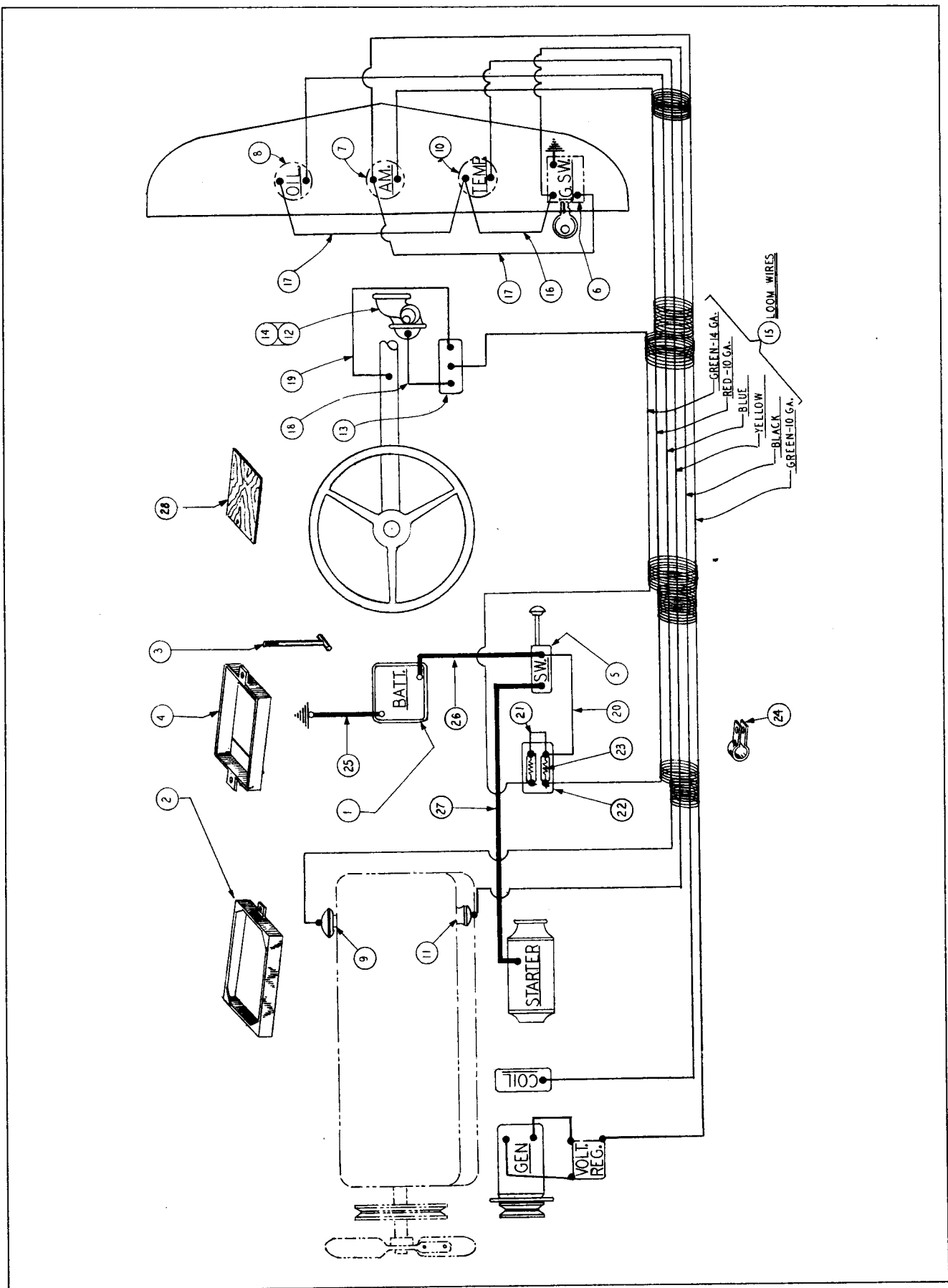


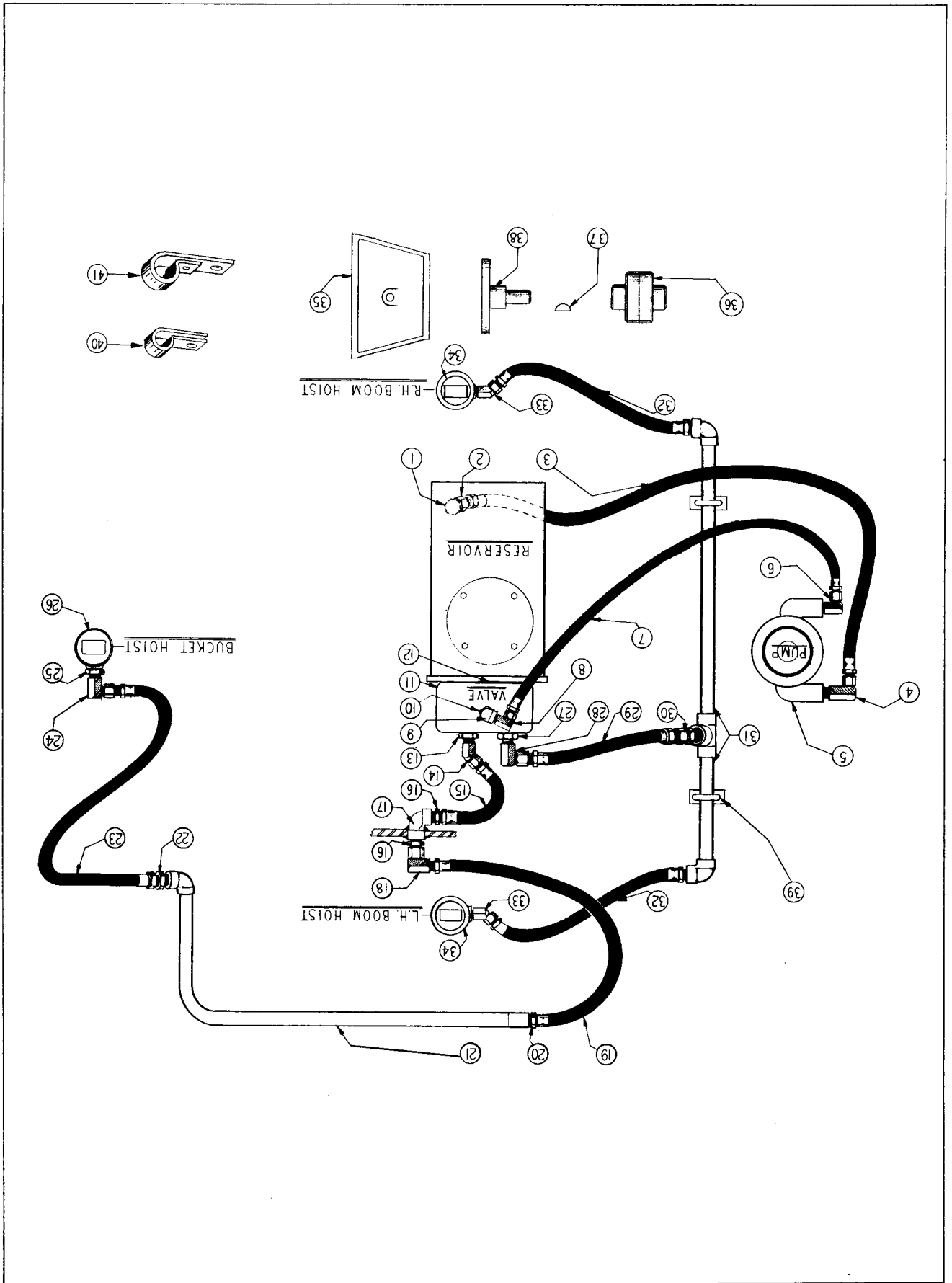
Fig. 29

WIRING AND ELECTRICAL GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1		Battery Exide #1 sure start - buy locally	1		
2	108509	Battery Cover (not shown)	1	55001	55013
2	111007	Battery Cover	1	55014	up
3	108893	Bolt - Cover - 3/8 - 16 NC Thd.	2	55001	55013
3	111410	Bolt - Cover - 3/8 - 16 NC Thd.	2	55014	up
4	108711	Battery Box.	1	55001	55013
4	111008	Battery Box.	1	55014	up
5	HL-3437	Starter Switch - Seat Frame.	1		
6	105873	Ignition Switch - Inst. Panel.	1		
7	HL-3151	Ammeter - Inst. Panel	1		
8	HA-1343	Oil Gage - Inst. Panel	1		
9	HA-1344	Oil Gage - Engine Unit	1		
	112327	Nipple - Oil Gage to Eng. - 1/8 Ex. Hy. x 2"	1		
	103505	Tee - Oil Gage to Eng. - 1/8 Std. Pipe Tee	1		
10	107197	Temperature Gage - Inst. Panel	1		
11	104459	Temperature Gage - Eng. Unit	1		
12	HS-407	Horn	1		
13	HS-451	Horn Relay	1		
14	HS-617	Horn Mtg. Bracket	1		
15	110124	Wiring Loom (Wires not sold separately)	1		
16	HA-362	Wire - Switch to Temp. Gage	1		
17	HA-1000	Wire - Switch to Ammeter and Gage to Gage	2		
18	101982	Wire - Horn to Horn Relay.	1		
19	103812	Wire - Horn Relay to Strg. Column	1		
20	HA-1359	Wire - Starter Switch to Fuse Block	1		
21	101985	Wire - Fuse to Fuse	1		
22	101452	Fuse Block	1		
23	101986	Fuse - For Block	2		
24	102818	Clamp - Wiring Loom.	2		
25	HS-233	Cable - Ground Strap	1		
26	112097	Cable - Batt. to Starter Switch	1		
27	103814	Cable - Starter Switch to Starter.	1		
28	111411	Insulator Strip - Battery	1		
	HA-1351	Wire Clamp - (not shown)	4		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

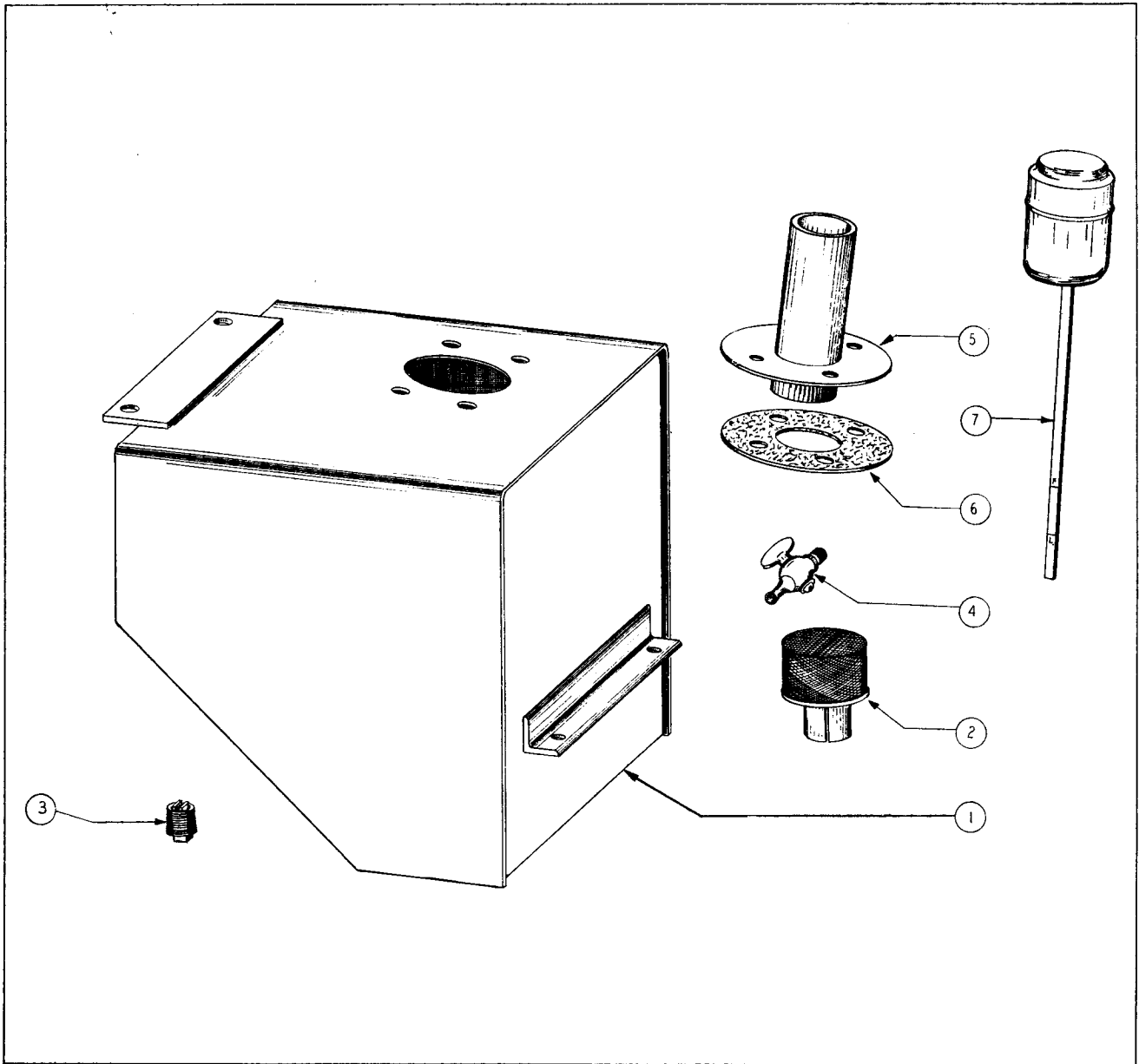
Fig. 30



HYDRAULIC CONNECTIONS AND DIAGRAM

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
SUCTION LINE - RESERVOIR TO PUMP					
1		Reducer Bushing - 3/4" to 1" - (Reservoir)	1		
2	103380	Adapter Union - 3/4" x 45°	1		
3	108844	Hose - 3/4" Suction	1		
4	103732	Adapter Union - 3/4" x 90° - (Pump)	1		
5		Pump (See Pump Group)	1		
HIGH PRESSURE LINE - PUMP TO VALVE					
6	104409	Adapter Union - 1/2" x 90° (Pump)	1	{ 55004 55014	55009 up
7	108845	Hose - 1/2" High Press.	1		
8	104409	Adapter Union - 1/2" x 90°	1		
9	103417	Street Ell - 1/2" x 90° (Not used with Husco Valve).	1		
10		Reducer Bushing 1/2" to 1" (Valve).	1		
11		Valve (See Valve Group No. 1 or No. 2)	1		
12		Seal Ring - Valve to Tank (See Valve Groups)	1		
LINE - VALVE TO BUCKET CYLINDER					
13		Reducer Bushing - 1/2" to 3/4" (Valve)	1		
14	103046	Adapter Union - 1/2" x 45°	1		
15	108846	Hose - 1/2" High Press.	1		
16		Reducer Bushing - 1/2" to 3/4" in Frame Elbow	2		
17		Elbow - Welded to Main Frame.	1		
18	104409	Adapter Union - 1/2" x 90°	1		
19	108847	Hose - 1/2" High Press.	1		
20		Reducer Bushing 1/2" to 3/4" (To Boom Pipe).	1		
21	110730	Pipe - Welded to Boom	1		
22		Reducer Bushing - 1/2" to 3/4" (From Boom Pipe)	1		
23	105789	Hose - 1/2" High Press.	1		
24	104409	Adapter Union - 1/2" x 90°	1		
25		Reducer Bushing - 1/2" to 3/4" (To Bucket Cylinder)	1		
26		Bucket Control Cylinder (See Hoist Group)	1		
LINE - VALVE TO BOOM HOIST CYLINDERS					
27		Reducer Bushing - 3/4" to 1" (Valve).	1		
28	103732	Adapter Union - 3/4" x 90°	1		
29	103383	Hose - 3/4" High Press.	1		
30	103380	Adapter Union - 3/4" x 45°	1		
31	111017	Cross Pipe Assembly	1		
32	104349	Hose - 3/4" High Press.	2		
33	103380	Adapter Union - 3/4" x 45°	2		
34		Boom Hoist (See Hoist Cylinder Group)	2		
AUXILIARY PARTS					
35	108492	Pump Support	1		
36	109023	Flexible Coupling	1		
37		Key - #9 Woodruff	1		
38	108500	Pump Shaft	1		
39	105425	"U" Bolt - Crosspipe Support	2		
40	HL-3551	Clamp - Hose - Pump to Valve	1		
41	HA-1022	Clamp - Hoses.	1		

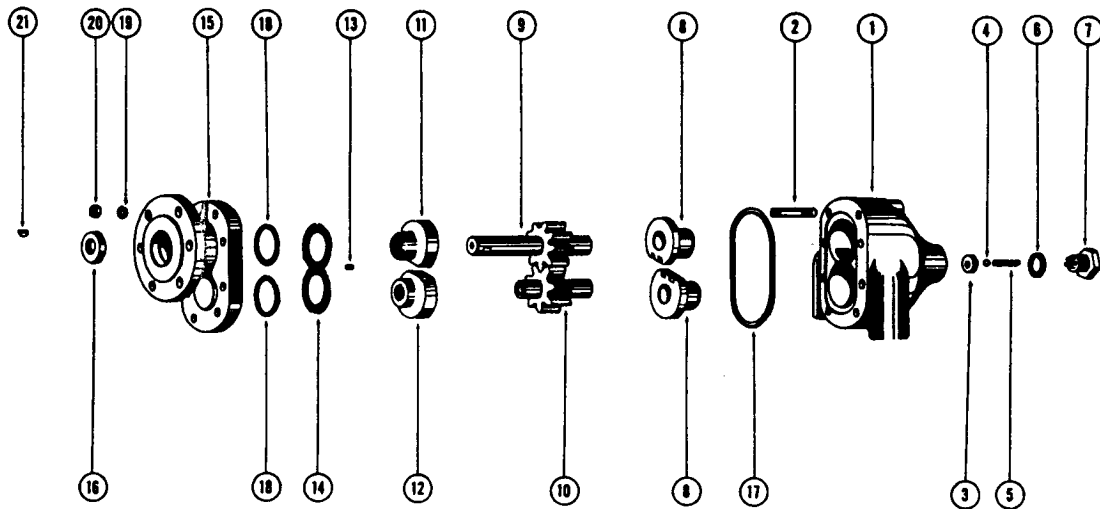
Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.



**Fig. 31
OIL RESERVOIR GROUP**

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	109926	Oil Reservoir - used with Husco Valve	1	55010	55013
1	110808	Oil Reservoir - used with Hydreco Valve	1	{55004 55014	55009 up
2	103548	Strainer - Suction Outlet	1		
3	103941	Drain Plug - Magnetic	1		
4	114002	Drain Cock	1		
5	107284	Handhole Cover	1		
6	101133	Gasket - Handhole Cover	1		
7	110787	Breather Cap with Dip Stick	1		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.



PUMP GROUP

Items without part numbers are not serviced separately.

ITEM NO.	PART NO.	PART NAME	Qty.	First Used On Serial Numbers	
				FROM	THRU
	103043	Pump Complete (051002-020-01)	1		
1	110129	Body	1		
2	110168	Stud	8		
3	107072	Seat	1		
4	113417	Ball	1		
5	107070	Spring	1		
6		Gasket	1		
7	107069	Retainer	1		
8		Bearing - Body	2		
9		Drive Gear	1		
10		Driven Gear	1		
11		Bearing - Cover - Drive Gear	1		
12		Bearing - Cover - Driven Gear	1		
13	107081	Pin	1		
14	110138	Spring	1		
15	110130	Cover	1		
16		Seal	1		
17		Seal Ring	1		
18		Seal Ring	2		
19	134839	Washer - Lock	8		
20	110174	Nut	8		
21	110172	Key - Woodruff	1		

- 151601 Minor Kit - Incl. Items 6, 16, 17 & 18
- 151600 Major Kit - Incl. Items 2, 3, 4, 5, 8, 11, 12, 14, 19, 20 & 151601 minor kit
- 151630 Gear Kit - Incl. Items 9 & 10

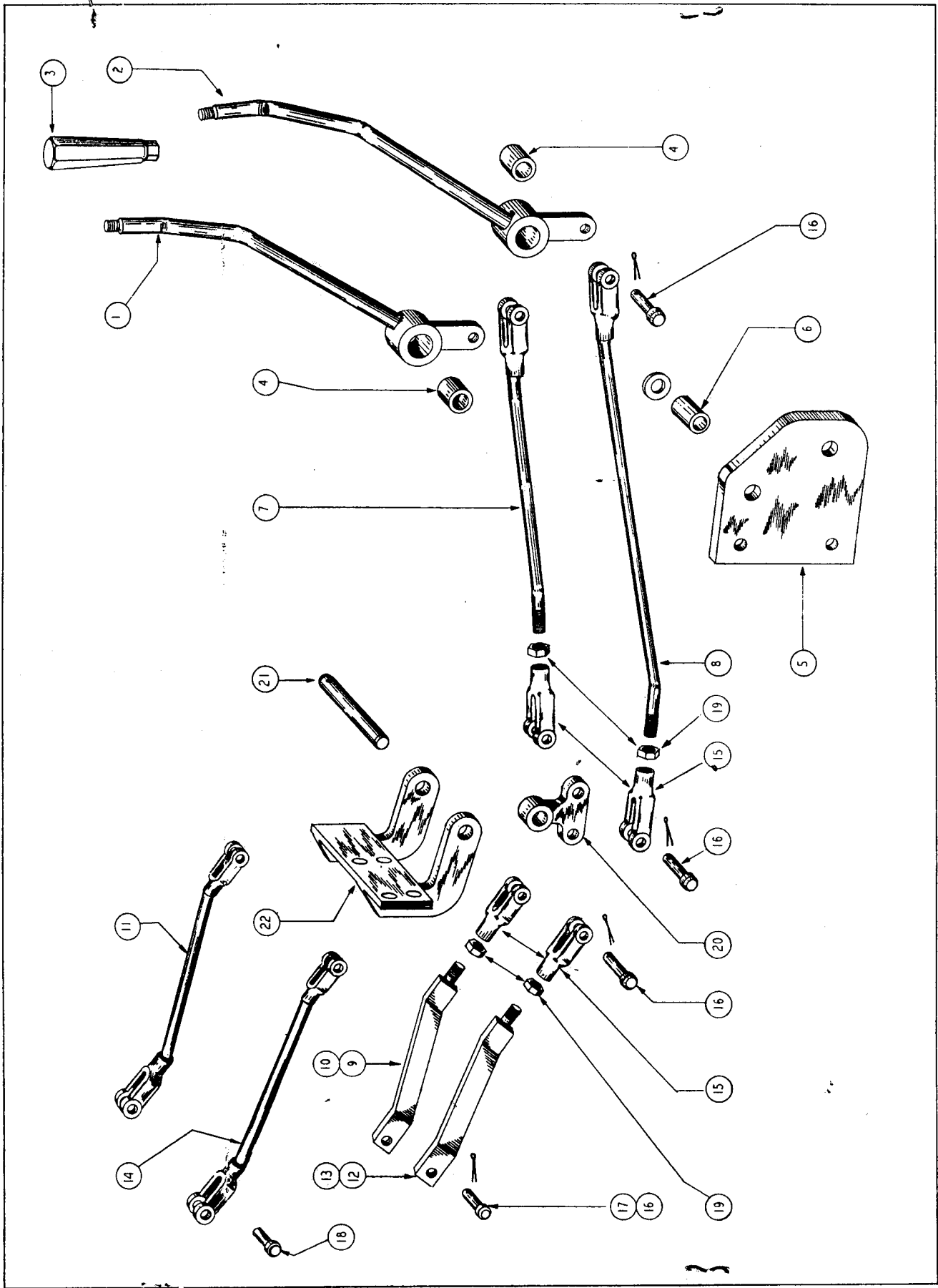
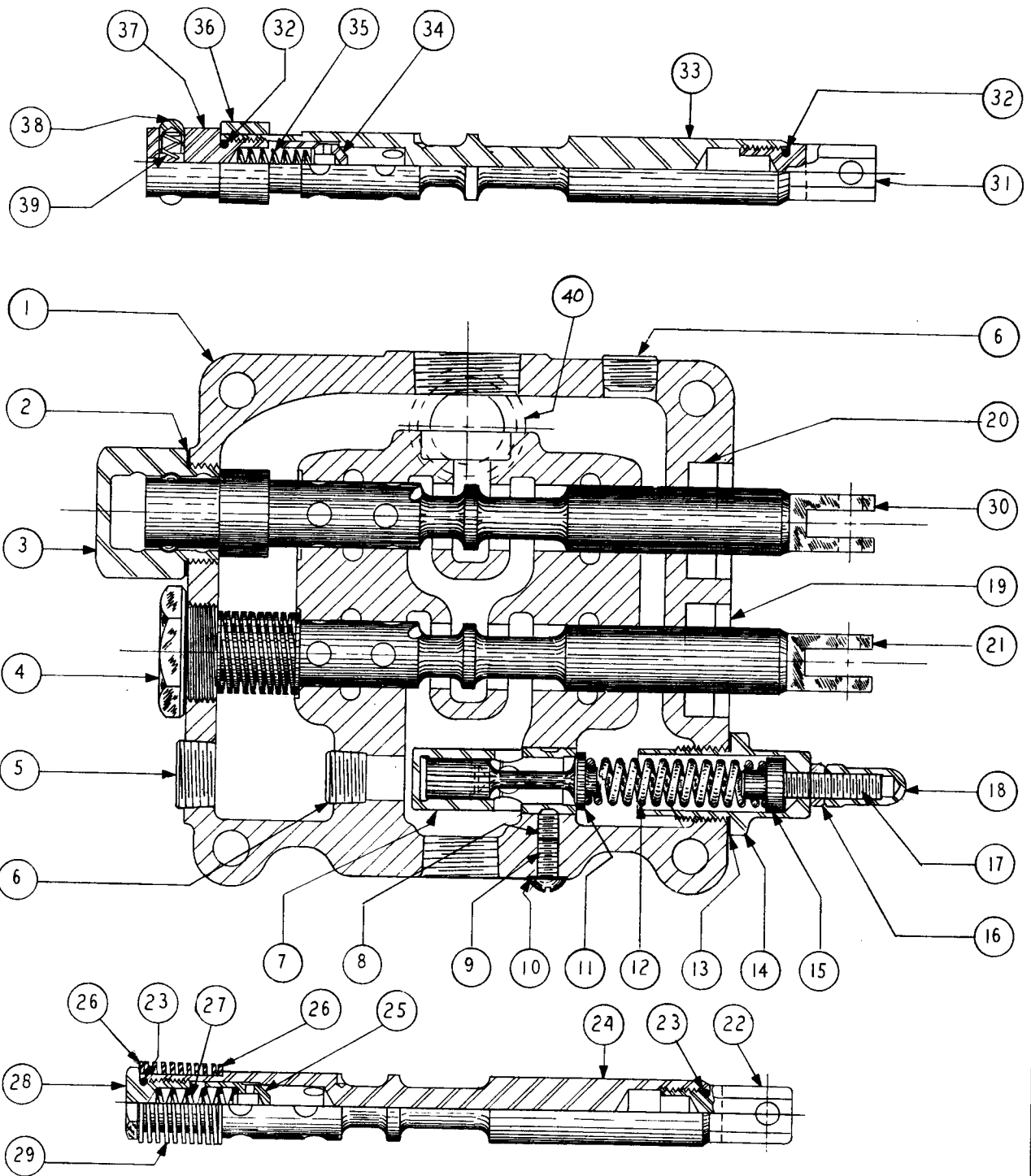


Fig. 33

VALVE CONTROL GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	108753	Valve Lever - Boom Dump and Close.	1		
2	108756	Valve Lever - Bucket Raise and Lower	1		
3	103634	Handle - Valve Levers	2		
4	102092	Bushing - Valve Levers.	2		
5	108758	Bracket - Valve Lever Mtg.	1	55001	55088
5	108759	Bracket - Valve Lever Mtg.	1	55089	up
6	101572	Sleeve - Valve Lever Pivot	2	55089	up
7	110285	Valve Rod - Boom Lever to Pivot Lug	1		
8	110279	Valve Rod - Bucket Lever to Pivot Lug	1		
9	110287	Valve Rod - Lug to Hydrco Valve (Bucket)	1	{ 55004 55014	55009 55298
10	113148	Valve Rod - Lug to Hydrco Valve (Bucket)		55299	up
11	112241	Valve Rod - Lug to Husco Valve (Bucket)		55010	55013
12	110282	Valve Rod - Lug to Hydrco Valve (Boom)		{ 55004 55014	55009 55298
13	113146	Valve Rod - Lug to Hydrco Valve (Boom)		55299	up
14	112239	Valve Rod - Lug to Husco Valve (Boom)		55010	55013
15	HL-3485	Clevis - 3/8" - Valve Rods	4	{ 55004	55009
16	HL-3486	Pivot Pins - For Hydrco Valve	8	{ 55014	55298
17	HL-1264	Pivot Pins - For Husco Valve (Replaces 2 of Item 14)..	2	55010	55013
18	GH-212	Clevis Pin and Cotter	2	55299	up
19		Nut - 3/8" - 24 NF Thd. Clevis Lock	4		
20	110276	Pivot Lug - Valve Rods	2		
21	110290	Pivot Pin - Pivot Lugs to Bracket.	1		
22	110272	Bracket - Pivot Lugs Support.	1		
		Bolt - Lever Pivot - 1/2" - 20 NF Thd. x 3" Lg.	2	55001	55088
		Bolt - Lever Pivot - 5/8" - 18" NF Thd. x 3" Lg.	2	55089	up

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.



VALVE GROUP-NO.1

SEE NAME PLATE ON THE VALVE TO ACCERTAIN MODEL NUMBER BEFORE ORDERING REPAIR PARTS

THIS GROUP FOR MODEL V45510-C VALVE ONLY

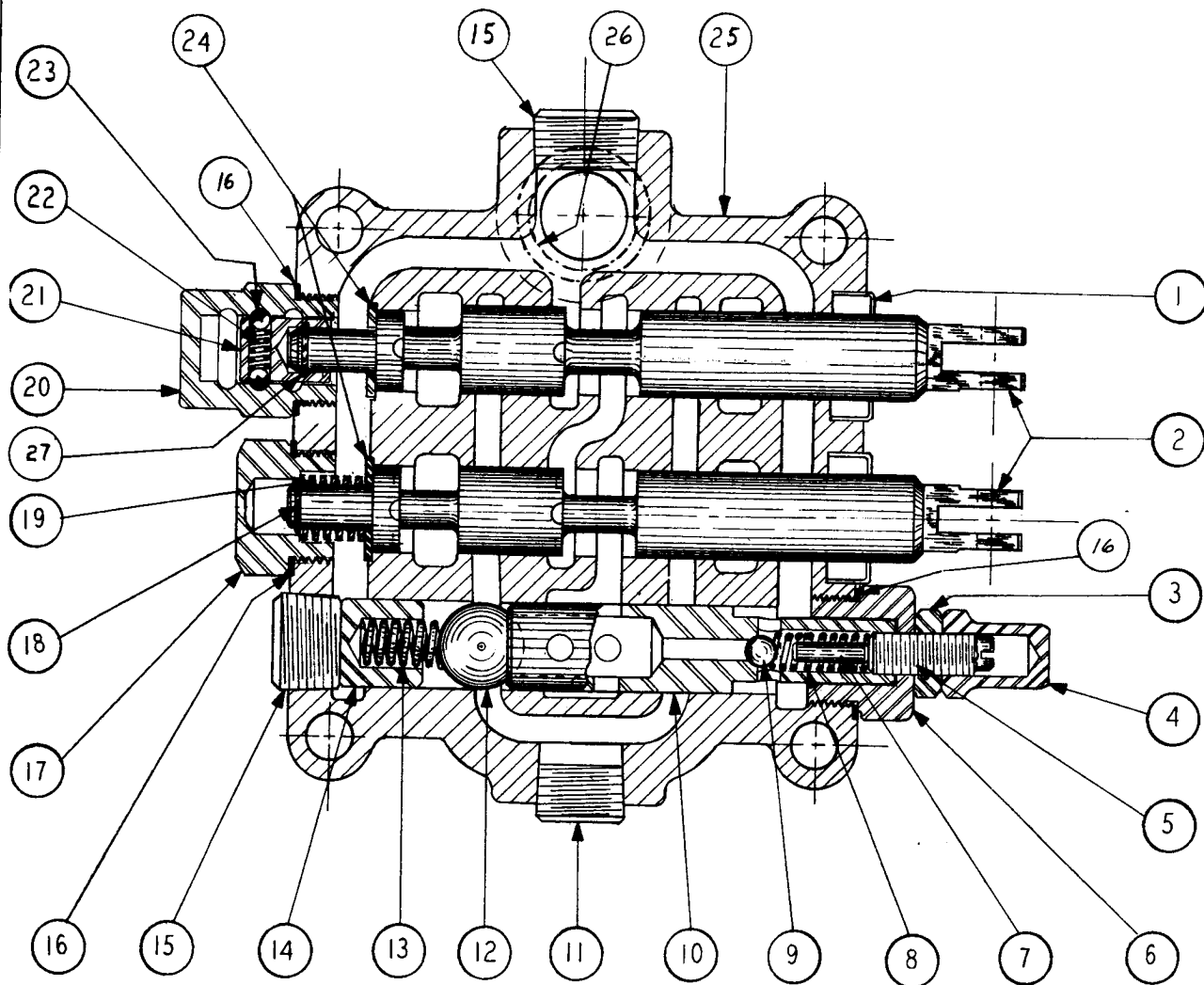
Fig. 34

MODEL V4SS10-C VALVE GROUP

This Group Applies to Machines of Serial No's. 55004 thru 55009 & 55014 thru 55298

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
	109966	Valve Complete (Model V4SS10-C)		55004 55014	55009 55298
1		Housing - not sold separately	1		
2	106803	Gasket	2		
3	103034	Detent Cap	1		
4	HA-1215	Cap	1		
5	106719	Pipe Plug	1		
6	106822	Pipe Plug	2		
7	107904	Relief Valve Seat	1		
8	106836	Set Screw	1		
9	106838	Machine Screw	1		
10	106837	Gasket	1		
11	107905	Relief Valve Plunger	1		
12	112938	Spring - Relief Valve	1		
13	107910	Gasket	1		
14	107908	Cap - Adjuster Screw	1		
15	107906	Guide - Relief Spring	1		
16	106716	Jam Nut	1		
17	106807	Adjuster Screw - Relief Spring	1		
18	106726	Acorn Nut	1		
19	107042	Seal Assembly	1		
20	106828	Seal Ring	1		
21	107974	Plunger Ass'y (includes Items 22 thru 29)	1		
22	107975	Plunger Eye	1		
23	107033	Seal Ring	2		
24	107915	Plunger	1		
25	HA-1228	Check Plunger	1		
26	107913	Washer	1		
27	107035	Spring	1		
28	HA-1223	Cap	1		
29	107914	Spring	1		
30	107973	Plunger Ass'y (includes Items 31 thru 39)	1		
31	107975	Plunger Eye	1		
32	107033	Seal Ring	2		
33	107915	Plunger	1		
34	HA-1228	Check Plunger	1		
35	107035	Spring	1		
36	103037	Plunger Spacer	1		
37	103035	Detent Valve Cap	1		
38	102064	Plunger Poppet	2		
39	107034	Poppet Spring	1		
40	106828	Seal Ring - Valve to Tank	1		
		NOTE: Plungers have been individually fitted into the housings at the factory. The manufacturer does not recommend replacing plungers or housings in valves on machines in the field.			

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.



SEE NAME PLATE ON THE VALVE TO ACCERTAIN MODEL NUMBER BEFORE
ORDERING VALVE PARTS

VALVE GROUP-NO.2
FOR MODEL 3000-A VALVE
ONLY

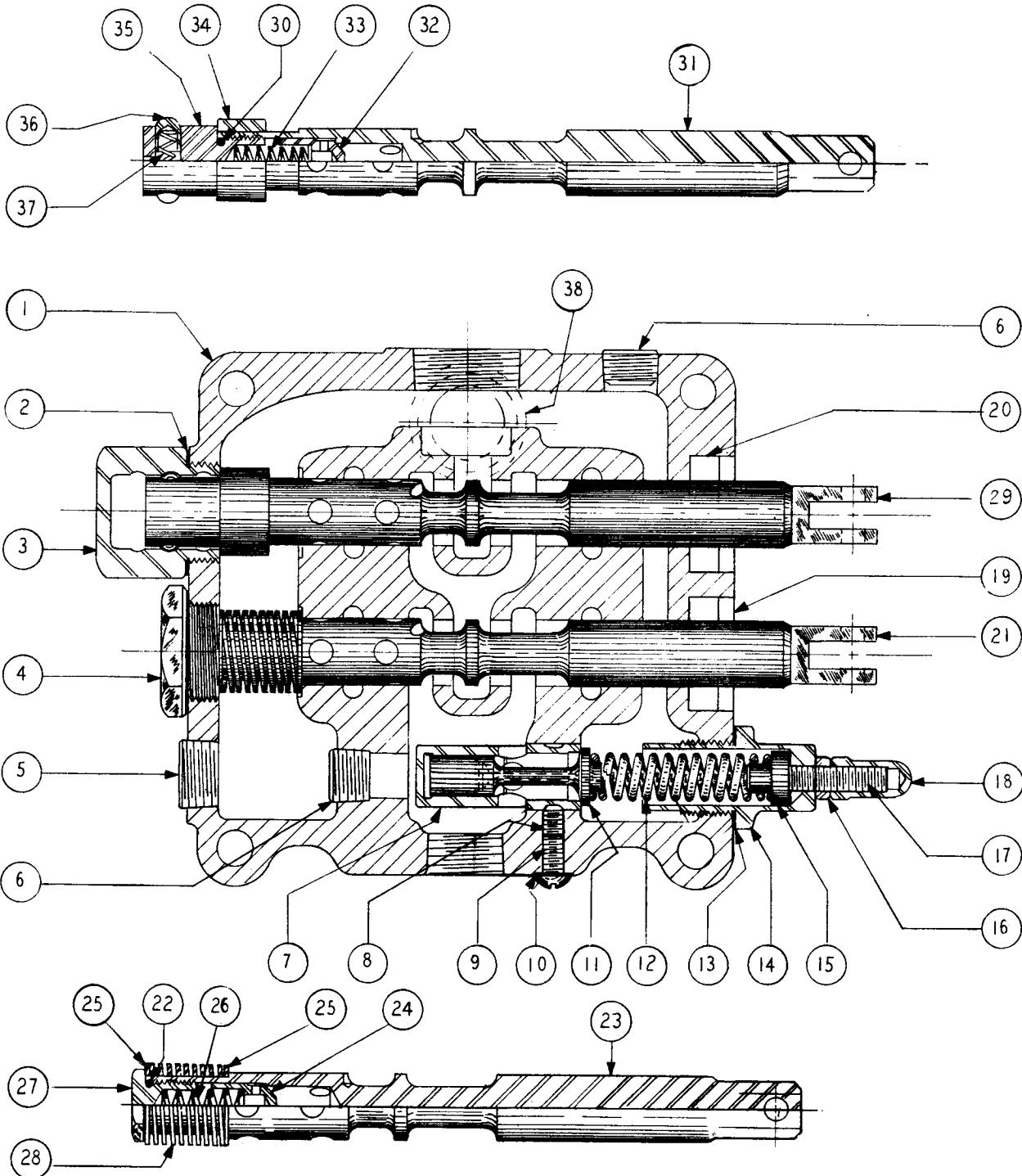
Fig. 35

MODEL 300A VALVE GROUP

This Group Applies to Machines of Serial No's. 55010 thru 55013

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
	110377	Valve Complete (includes the following)	1	55010	55013
1	111383	Oil Wiper Seal	2		
2	111379	Plunger	2		
3	111393	Jam Nut - 3/4" Hex	1		
4	111392	Castle Nut - 3/4" Hex.	1		
5	111394	Adjuster Stud.	1		
6	111397	Valve Seat Plug	1		
7	111395	Relief Valve Stop	1		
8	111386	Relief Valve Spring.	1		
9	111387	Relief Valve Ball	1		
10	111390	Valve Seat.	1		
11		Pipe Plug - 3/4"	6		
12	111389	Check Valve Ball	1		
13	111388	Check Valve Spring.	1		
14	111391	Check Valve Plug	1		
15		Pipe Plug - 1"	2		
16	111385	Copper Washer	3		
17	111384	Plunger Plug.	1		
18	111381	Snap Ring	1		
19	111382	Spring	1		
20	111398	Dedent Plug.	1		
21	111399	Ball Retainer Ass'y (includes Retainer and Snap Ring).	1		
22	111403	Dedent Ball Spring	1		
23	111402	Dedent Ball.	2		
24	111380	Washer.	2		
25	111377	Valve Housing	1		
26	111396	"O" Ring - Oil Seal, Valve to Tank	1		
27	111401	Snap Ring (included in Item 21)	1		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.



VALVE GROUP-NO3

SEE NAME PLATE ON THE VALVE TO ACCERTAIN MODEL NUMBER BEFORE ORDERING REPAIR PARTS

THIS GROUP FOR MODEL V4SS24-D VALVE ONLY

Fig. 36

MODEL V4SS24-D VALVE GROUP

Valve Group for Machines of Serial No's. 55299 & up

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
	112466	Valve Complete (Model V4SS24-D)	1	55299	up
1		Housing - not sold separately	1		
2	106803	Gasket	2		
3	103034	Detent Cap	1		
4	HA-1215	Cap	1		
5	106719	Pipe Plug	1		
6	106822	Pipe Plug	2		
7	107904	Relief Valve Seat	1		
8	106836	Set Screw	1		
9	106838	Machine Screw	1		
10	106837	Gasket	1		
11	107905	Relief Valve Plunger	1		
12	112938	Spring - Relief Valve	1		
13	107910	Gasket	1		
14	107908	Cap - Adjuster Screw	1		
15	107906	Guide - Relief Spring	1		
16	106716	Jam Nut	1		
17	106807	Adjuster Screw - Relief Spring	1		
18	106726	Acorn Nut	1		
19	107042	Seal Assembly	1		
20	107041	Seal	2		
21	113089	Plunger Assembly (includes Items 22 thru 28)	1		
22	107033	Seal Ring	2		
23	113229	Plunger	1		
24	HA-1228	Check Plunger	1		
25	107913	Washer	1		
26	107035	Spring	1		
27	HA-1223	Cap	1		
28	107914	Spring	1		
29	113090	Plunger Assembly (includes Items 30 thru 37)	1		
30	107033	Seal Ring	2		
31	113229	Plunger	1		
32	HA-1228	Check Plunger	1		
33	112714	Spring	1		
34	103037	Plunger Spacer	1		
35	103035	Detent Valve Cap	1		
36	102064	Plunger Poppet	2		
37	107034	Poppet Spring	1		
38	106828	Seal Ring - Valve to Tank	1		
		NOTE: Plungers have been individually fitted into the housings at the factory. The manufacturer does not recommend replacing plungers or housings in valves on machines in the field.			

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

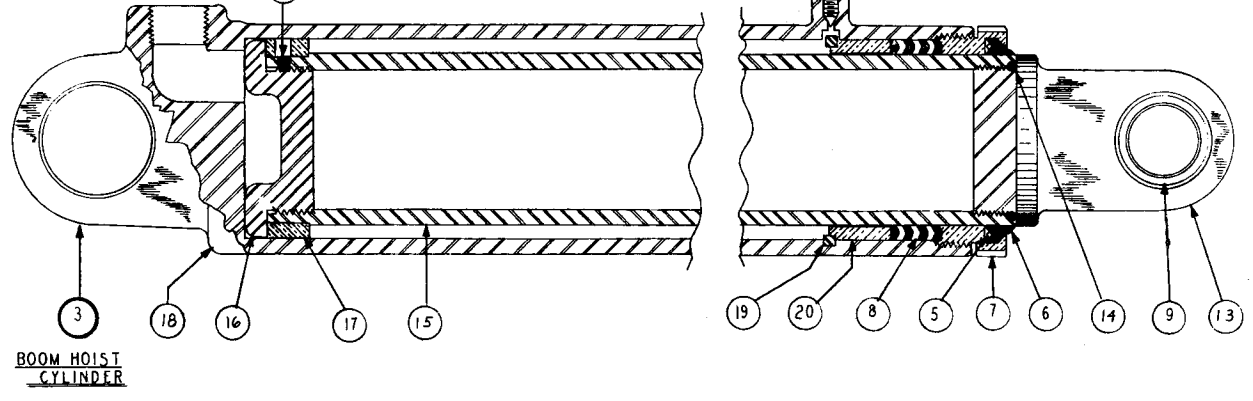
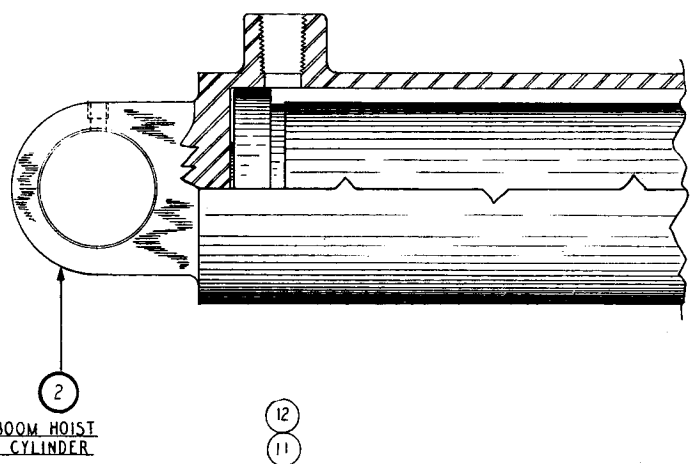
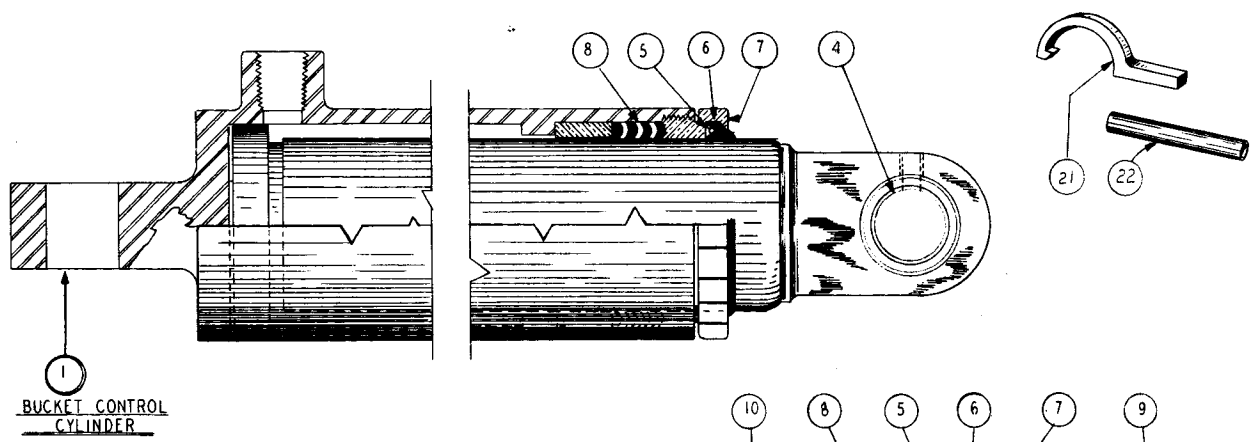


Fig. 37

HOIST CYLINDER GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	107793	Bucket Control Complete (includes Items 4 thru 8)	1	55001	up
2	107839	Boom Cylinder Complete (includes Items 5 thru 10) . . .	2	55003	55013
3	109251	Boom Cylinder Complete (includes Items 5 thru 20) . . .	2	55014	up
4	103752	Bushing - Plunger Pivot - Bucket Cylinder only.	1	55001	up
5	103546	"O" Ring Oil Seal.	3	55001	up
6	103544	Wiper Ring	3	55001	up
7	103543	Packing Nut.	3	55001	up
8	103267	Packing Set.	3	55001	up
9	101155	Bushing - Boom Cylinder only	2	55001	up
10	102384	Bleeder Screw.	2	55001	up
11	106921	Rubber Lock Washer.	2	55014	up
12	106959	Setscrew.	2	55014	up
13	111567	End Plug - Plunger Pivot.	2	55014	up
14	106901	"O" Ring - Oil Seal.	2	55014	up
15	111565	Tube - Plunger	2	55014	up
16	106981	Plunger Plug	2	55014	up
17	106982	Guide Ring	2	55014	up
18	111566	Cylinder Tube Assembly	2	55014	up
19	106920	Retaining Ring	2	55014	up
20	106985	Guide Ring	2	55014	up
21	102840	Spanner Wrench - For 103543 Packing Nut	1		
22	102838	Handle - Spanner	1		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

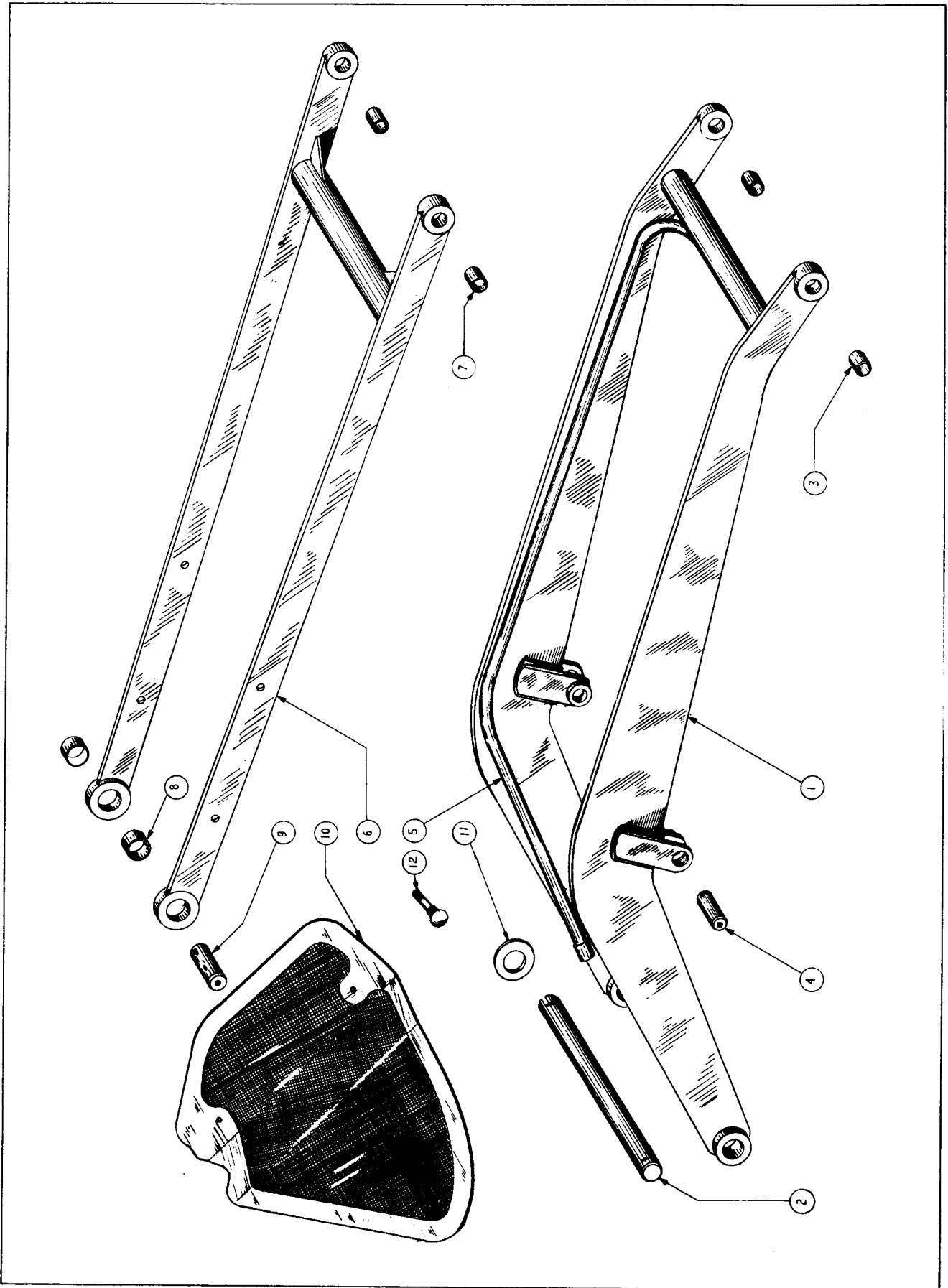


Fig. 38

BOOM AND GUIDE GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	110508	Boom Complete	1		
2	110812	Pivot Shaft - Boom to Frame	1		
3	101160	Bushing - Boom to Bucket	2		
4	101397	Pin - Hoist Cylinder to Boom	2		
5	110730	Pipe - Welded to Boom	1		
6	110480	Guide Bar Complete	1		
7	101160	Bushing - Guide to Bucket	2		
8	101739	Bushing - Guide to Frame	2		
9	108508	Pin - Guide to Frame	2		
10	111703	Safety Shield - R.H. - Mount inside Guide Bar	1		
10	111704	Safety Shield - L.H. - Mount inside Guide Bar	1		
11	111077	Spacer - Boom Shaft	2		
12	111038	Carriage Bolt - Ribbed - Shield Mtg	4		

Always give the Payloader Serial Number with the Part Number and Name of Items needed when ordering Repair Parts.

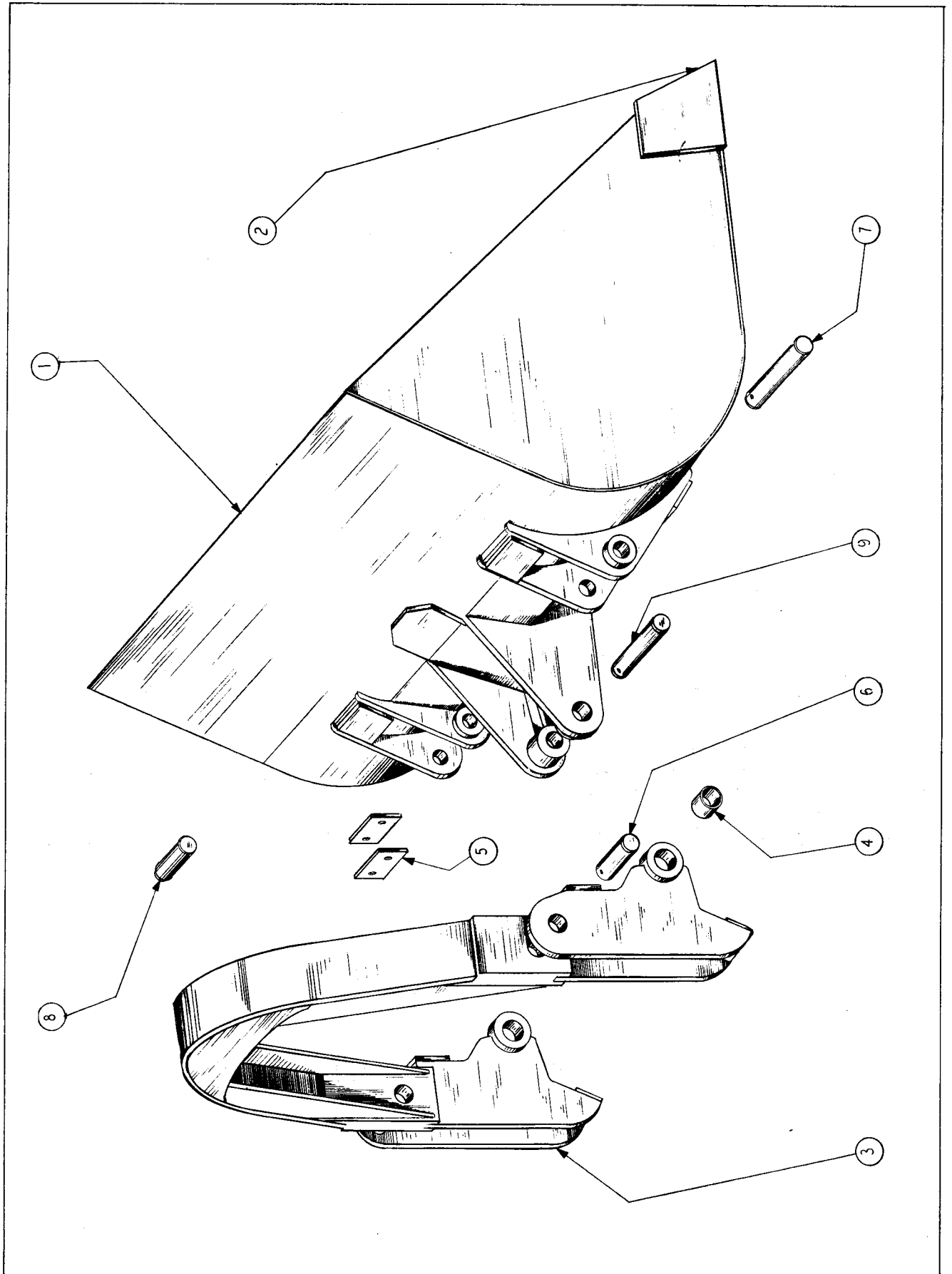


Fig. 39

BUCKET AND CARRIER GROUP

ITEM NO.	PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
				FROM	THRU
1	110556	Bucket Complete - 54'	1		
2	101647	Cutting Edge - Bucket	1		
3	110516	Carrier Complete.	1		
4	103752	Bushing - Carrier	4		
5	110558	Shim	4		
6	107786	Hinge Pin - Boom to Carrier	2		
7	101391	Hinge Pin - Guide to Carrier	2		
8	107880	Pin - Bucket Hoist to Carrier.	1		
9	107882	Pin - Bucket Hoist to Bucket	1		

Always give the Payloader Serial Number with the Parts Number and Name of Items needed when ordering Repair Parts.

EXTRA EQUIPMENT

PART NO.	PART NAME	Qty.	First Used on Serial Numbers	
			FROM	THRU
110404	Front Wheel for 8.25 x 16" Tire	2		
110362	Side Ring for above Wheel	2		
110363	Lock Ring for above Wheel.	2		
111662	72" - Backfiller Complete (includes next 6 Items)	1		
111663	Backfiller - Welded Blade only	1		
101950	Cutting Edge - Center	1		
101994	Cutting Edge - Ends	2		
GH-165	Shoe Assembly.	2		
GH-5830A1	Collar - Shoe Assembly.	10		
	Bolt - Cutting Edge - #3 Plow Bolts - 1/2" - 13 NC Thd. x 1-3/4" Lg.	15		
112305	72" Bucket - (Square Nose)	1		
101648	Cutting Edge - 72" Bucket	1		
111650	72" Cut Back Bucket (Special).			
111721	Cutting Edge - 72" Special Bucket.			
111485	Tine Bucket (10 Tine)			
112307	Fork Attachment			
112306	Crane Hook Attachment.			
HL-1800	Hook only	1		
112308	Flame and Spark Arrestor Exhaust Attachment (includes next 4 Items)	1		
HA-1083	Exhaust Elbow			
HA-1056	Flame Arrestor			
HA-1057	Baffle.			
HA-1054	Spark Arrestor Muffler			
112309	Lighting System Complete			

*Always give the Payloader Serial Number with the Parts Number
and Name of Items needed when ordering Repair Parts.*

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		110736	31	111111	18	111204	17
		110785	27	111112	18	111208	18
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110125	25	110808	40	111115	17	111210	18
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110168	41	110886	13	111127	18	111253	9
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110174	41	110889	13	111130	17	111262	9
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111390	47	111937	9	112169	18	112376	18
111391	47	111938	9	112170	18	112377	18
111392	47	111939	10	112171	18	112393	9
111393	47	111940	10	112179	18	112395	10
111394	47	111941	10	112180	18	112298	10
111395	47	111942	10	112190	31	112399	9
111396	47	111943	10	112193	10	112416	27
111397	47	111944	10	112195	23	112420	7
111398	47	111945	9	112197	24	112424	9
111399	47	111946	9	112198	24	112439	5
111401	47	111941	9	112199	24	112458	10
111402	47	111948	9	112200	23	112466	49
111403	47	111949	9	112201	24	112514	7
111410	37	111951	9	112207	33	112538	17-35
111411	37	111952	9	112213	35	112539	17
111412	7	111955	9	112214	35	112540	17
111428	5	111958	9	112215	35	112541	17
111459	18	111959	9	112216	35	112542	17
111460	18	111960	9	112217	35	112714	49
111485	56	111961	9	112239	43	112715	49
111516	3	111962	9	112241	43	112756	7
111521	15	111963	9	112243	29	112938	45-49
111529	35	111964	9	112244	29		
111533	35	111965	9	112247	31	113031	17
111536	35	111966	9	112249	31	113067	7
111538	35	111967	9	112259	18	113079	7
111541	35	111968	9	112260	18	113080	7
111542	35	111969	9	112261	18	113081	7
111543	35	111970	9	112262	19	113088	7
111544	35	111971	9	112263	18	113089	49
111545	35	111972	9	112264	19	113090	49
111549	35	111974	9	112266	19	113093	3
111565	51	111975	35	112267	19	113094	3
111566	51	111976	35	112268	19	113146	43
111567	51	111977	35	112272	19	113148	43
111650	56	111978	35	112273	19	113229	49
111662	56	111982	10	112274	19	113230	7
111663	56			112275	19	113342	19
111703	53	112046	21	112276	19	113367	31
111704	53	112047	21	112277	19	113376	31
111721	56	112048	21	112278	19	113381	31
111790	10	112049	21	112279	19	113718	9
111904	31	112050	21	112280	19	113743	18
111918	10	112051	21	112281	19	113744	10
111919	9	112052	21	112282	19	113784	17
111920	10	112053	24	112283	19		
111921	10	112054	24	112284	19	114002	40
111922	10	112055	21	112285	19	114375	31
111923	10	112060	17	112286	21	114376	31
111925	10	112061	17	112305	56	114381	19
						114388	31
						114478	15
						114479	14

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