RUTHZIL TRATOR COMERCIAL DE PEÇAS LTDA 11 97083-6812 ROLANDO CITRANGULO

PARTS GROUPS

S888 - 706R2586

DESCRIPTION	GROUP NO.
Carrier Frame, Fuel Tank	2
Outriggers	3
Carrier Axles & Wheels	5
Carrier Engine, Clutch	6
Carrier Transmission	7
Drive Shafts	9
Brakes	10
Steering	11
Upper Structure, Turntable	12
Counterweight	13
Swing System	22
Pump Drive Case	24
Hydraulic System	25
Operator's Cab & Machinery Housing	27
Operator's Controls	28
Guards, Rails, Steps, Mirrors	29
Marking	30
Heating & Air Conditioning	31
Electrical System	33
Horn, Wiper, Floodlights, Accessories	34
Tools, Paint, Lubricants	35
Hydraulic Telescoping Crane & Jib	39
Hydraulic Winch	40
Hook Blocks	44
Wire Rope, Pendants, Reeving	45
Clam	46
Attachment Options	50

NOTE:

Block numbers correspond to group block numbers on parts pages.

USING THIS PARTS BOOK

This Parts Manual has been designed for optimum ease of reading and is the key to Customer-Distributor-Factory communication. Genuine replacement parts along with interchangeable product improvements as they become available will keep your machine in a reliable and productive condition.

The following instructions describe the features of the manual and how to use it effectively.

Use this manual also as a supplement to the Operator's Manual and Maintenance Manual when performing service procedures on the machine.



I M P O R T A N T

This manual lists serviceable parts for **EVERY** machine built of this model designation. Serial numbers are used to identify parts when a product improvement is made or an alternate component is used. **KNOW THE SERIAL NUMBER OF YOUR MACHINE** before searching for replacement parts.

The PARTS GROUP INDEX shows the functional arrangement of associated parts for the machine. A group number identifies the same group of parts regardless of model (Group [25] is always the hydraulic system). The groups which apply to the machine are listed in numerical order. A letter suffix to a group number [25A] is used for variable or optional parts groups.

PAGE NUMBERS are in numerical sequence within each parts group. The first number is the group number and the second number is the numerical sequence number. Letter suffixes are used to maintain continuity to the manual as revisions are incorporated (1.1, 1.2, 1.2A, 1.2B, 1.3, etc.).

A NUMERICAL PARTS LIST at the front of the manual shows all part numbers in numerical sequence keyed to the pages where they can be found. Also, a part number can be cross referenced to verify whether the part is a valid serviceable part or if there is a current replacement part.

EXPLODED VIEW ILLUSTRATIONS show the relationship of assembled parts. The illustrations are keyed to an accompanying parts list on the same page or on the facing page and are positioned for ease in reading the manual.

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— LOCATING INDIVIDUAL PARTS —

1. Turn to the **PARTS GROUP INDEX** and find the general area of the part in question (Example: Seat would be found in "Operator's Cab & Machine Housings" Group 27).

2. Refer to the parts group and check to see if a subsequent letter-designated group is used. Check the title block on the pages to determine the application of the group to your particular machine.

ENGINE ASSEMBLY Detroit Diesel	14

ENGINE ASSEMBLY Cummins Diesel	14A

3. Major assemblies are shown at the beginning of each group with page references to component parts breakdowns on the pages which follow. Briefly skim through the group to familiarize yourself with the information included in it. Locate the illustration and parts list which pertain to the assembly or part you desire. Compare the serial number of your machine to those which may appear on the page to be sure you are ordering the correct part.

4. Item numbers on the illustration correspond to those in the parts list. Parts not shown with an item number are the same as identical or symmetrical parts with an item number. Parts keyed with an asterisk (*) or other symbol (**, ■, o, ◊,) are included in a repair kit. If no part number is shown, these parts cannot be ordered separately.

5. Quantities are shown as required per component or assembly unless otherwise noted.

6. If an assembly is listed without any serviceable parts, it must be ordered complete. Serviceable parts of components are listed under the component part or on a subsequent page as indicated.

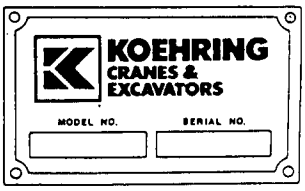
7. All hardware shown without the size listed after the noun name is specially made for the particular application and must not be substituted with standard hardware.

— INSTRUCTIONS FOR ORDERING PARTS —

When ordering parts, contact your nearest Koehring Crane and Excavator Group distributor and give the following information to assure prompt service:

MACHINE IDENTIFICATION:

State the model and serial number. . . . located on a metal plate in the Operator's Cab.



PART IDENTIFICATION:

State the part number, description and quantity required. Do not use the item number. Avoid using the words "Pairs" or "Sets."

REF.	PART NO.	DESCRIPTION	QTY.
1	707 6594	Gear.....	1

SHIPPING INSTRUCTIONS:

State the invoicing address. Unless otherwise specified, invoices will be mailed to the shipping point.

State the correct shipping address and the means of shipment . . . parcel post, air mail, air freight, UPS, bus, etc.

INVOICE TO:	SHIP TO:
Mid State Equipment	Ace Construction Co.
Milwaukee, WI	Madison, WI

KOEHRING MODEL 706A2586

NUMERICAL PARTS LIST

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1218-187	25.7		
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1218-202	3.2B		
1218-226	3.2B		
1218-243	25.1		
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1219-131	10.3		
1219-213	10.3		
1219-457	10.3		
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1222-188	27.2		
1222-203	34.1		
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1222-220	33.2		
1222-225	3.1		
1222-239	39.3	39A.1	
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1222-242	28.4		
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1222-247	28.4	39A.1	
1222-249	34.1		
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1223-64	33.2	34.1	
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1223-270	34.1		
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1223-379	33.1	10.3	
1223-380	34.1	33.2	
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1223-435	33.2		
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1223-447	33.1	34.1	
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1223-452	6.1	33.1	
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12404-29	9.1		
12405-5	9.1		
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22919	25.1			
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23144	25.11			
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23249	39.6			
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23405	25.11			
23419	3.3			
23420	3.3	3.2B		
23443	3.2A			
23444	3.2A			
23493	5.4			
23635	3.3			
23643	24.3			
23648	24.3	24.4		
23666	25.9			
23689	11.1			
23716	2.5			
23721	2.5			
23725	2.5			
23726	2.5			
23727	2.5			
23728	2.5			
23729	2.5			
23792	5.1			
23793	5.1			
23794	5.1			
23795	5.1			
23800	5.2			
23801	5.1			
23805	5.2			
23806	5.2			
23807	5.2			
23813	5.2			
23814	5.2			
23815	5.2			
23816	5.2			
23817	5.2			
23818	5.2			
23835	5.2			
23838	5.4			
23839	5.2			
23840	5.2			
23841	5.2			
23842	5.2			
23846	5.2			
23851	5.4			
23852	5.2			
23853	5.2			
23854	5.1			
23855	5.2			
23856	5.2			
23857	5.1			
23858	5.1			
23861	5.3			
23862	5.3			
23863	5.3			
23867	5.3			
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23870	5.3			
23871	5.3			
23872	5.3			
23873	5.3			
23874	5.3			
23875	5.3			
23876	5.3			
23877	5.3			
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A23881	5.3			
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24019	25.10			
24021	25.10			
24022	25.10			
24025	25.10			
24026	25.10			
24028	25.10			
24029	25.10			
24030	25.10			
24031	25.10			
24032	25.10			
24033	25.10			
24034	25.10			
A24055	25.10			
A24056	25.10			
24069	24.5			
24244	24.3			
24247	25.9			
24248	24.3	25.9		
24249	24.3	25.9		
24250	24.3	24.4	25.9	
24252	24.3	25.9		
24255	25.9			
24258	24.3	25.9		
24259	24.3	24.4		
24263	3.4	11.4		
24350	24.5			
24355	24.5			
24365	24.5			
24367	24.5			
24366	24.5			
24369	24.5			
24370	24.5			
24372	24.5			
24373	24.5			
24375	24.5			
24377	24.5			
24458	39.8			
24462	5.3			
24467	34.2			
24530	5.1			
24543	11.1			
24544	11.1			
24545	11.1			
24579	5.3			
24585	3.2A			
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24621	5.2			
24649	5.2	5.2		
24674	24.3	24.4		
24695	25.10			
24696	25.10			
24697	25.10			
24698	25.10	25.11		
24699	25.10			
24701	25.10			
24702	25.10			
24731	24.3			
24923	5.2			
24982	24.3	25.9		
25030	25.15			
25033	34.1			
A25038	39.8			
25049	3.2A			
25084	3.2A			
25136	25.1			
25137	25.2			
25329	2.5			
25367	2.5			
25410	7.2			
25434	33.6			
25435	33.6			
25437	33.6			
25438	33.6			
25485	33.1			
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25527	34.1			
25545	25.11			
25547	27.1			
25557	7.2			
25568	22.2			
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26322	40.1		
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26324	40.1		
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26327	40.1		
26329	40.1		
26330	40.1		
26391	40.4	39.7	
26393	40.4	39.7	
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PART NUMBER	PAGE NUMBER	REPLACEMENT PART
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PART NUMBER	PAGE NUMBER	REPLACEMENT PART
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203466 thru 203502	27.6	
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203504	5.2	
203505	5.2	
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203513	5.3	
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705 5401	25.3	
706 0497	27.4	
706 0498	27.5	
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706 5732	22.1	
706 5736	22.1	
706 5737	22.1	
707 6012	27.4	
707 6015	27.4	
707 6016	27.4	
707 6085	28.3	
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707 6097	28.5	
707 6098	28.5	
707 6100	28.5	
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707 6168	28.8	
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707 6244	27.5	
707 6265	28.2	
707 6303	27.5	
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707 6361	13.1	
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707 6450	11.1	
707 6480	27.1	
707 6486	31.1	
707 6488	11.5	
707F6523	28.6	
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707 6529	28.6	
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ISSUED:

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707 6544	34.1	
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707 6556	31.1	
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707 6561	11.2	
707 6562	27.2	
707 6564	28.9	
707 6565	28.9	
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707F6569	28.2	
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707F6587	31.1	
707A6591	31.1	
707 6593	31.1	
707F6609	12.1	
707 6625	2.3	
707 6653	6.3	
707F6659	27.2	
707 6668	27.2	
707 6688	33.1	
707 6693	27.5	
707 6698	11.2	
707 6699	11.2	
707 6703	28.8	
707 6708	28.4	39A.1
707 6719	33.1	
707 6728	28.8	
707 6734	28.10	
707 6735	28.10	
707 6736	28.10	
707 6745	28.4	39A.1
707 6866	39A.3	
707 6868	28.3	
707 6869	28.3	
707 6888	25.8A	
707 6978	6A.1	
707 7007	6.2	
707 7025	3.1	
707 7026	3.1	3.4
707 7045	6.2A	
707 7083	6A.2	
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707 7126	6.2	
707 7140	25.3	
707 7141	25.3	
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707 7460	3.1	
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707 7493	6.2	
707 7536	3.1	
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707 7594	25.1	
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707F7605	25.1	
707 7607	25.1	
707 7691	2.2	
707F7694	2.2	
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707 7825	6.2A	
707 8001	39.5	39.9
707 8002	39.4	39.8
707 8003	25.5	25.9
707 8004	25.8	25.11
707 8005	25.5	25.10
707 8006	39.9	
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707F8012	28.7	
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707A8036	25.5	
707A8037	25.5	
707A8038	25.5	
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707A8045	25.5	
707A8046	39.5	
707 8047	39.5	
707A8048	39.5	
707A8049	25.5	
707A8050	25.5	

PART NUMBER	PAGE NUMBER	REPLACEMENT PART
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707 8056	25.5	
707 8057	25.5	
707 8058	25.5	
707 8059	25.5	
707 8060	25.5	
707 8061	25.5	25.8A
707 8062	25.5	
707 8063	25.5	
707 8064	25.5	
707 8065	25.8	
707 8066	50.1	
707 8067	50.1	
707 8068	25.8	
707 8069	25.5	
707 8070	25.5	
707 8071	25.5	
707 8072	25.5	
707 8073	25.5	39.4
707 8074	25.5	
707 8075	39.5	
707 8077	25.5	
707 8079	25.8	
707 8080	25.5	
707 8081	6A.2	
707 8084	25.5	25.8
707F8088	25.5	
707F8090	28.3	
707 8092	28.3	
707 8093	28.3	
707 8094	28.3	
707 8095	28.3	
707 8096	28.3	
707 8097	28.3	
707F8098	28.3	
707 8101	28.3	
707F8102	28.3	
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707F8107	28.3	
707F8110	28.3	
707 8114	12.2	
707 8115	12.2	
707 8117	12.1	
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707 8213	44.1	
707 8216	39.3	
707 8217	39.4	
707 8220	39.4	
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707 8225	40.3	
707 8226	25.8	
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707 8240	27.2	
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707 8243	13.1	
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707A8251	40.3	50.2
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707 8255	40.3	
707A8260	40.2	
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PART NUMBER	PAGE NUMBER			REPLACEMENT PART
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707 8280	39.3			
707 8381	39.3			
707 8282	39.3			
707 8286	39.1	39.2	39.3	
707 8287	39.1	39.2	39.3	
707 8288	39.3			
707 8290	39.1	39.2	39.3	
707 8291	39.2	39.3		
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707F8293	39.1	39.2		
707F8294	39.1	39.2		
707 8295	39.1	39.2		
707F8297	39.2			
707F8298	39.1			
707 8300	12.1			
707 8301	12.1			
707F8302	12.1			
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707F8318	39.4			
707A8321	39.4			
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707 8337	39.2			
707F8366	39.1			
707 8371	28.4			
707 8425	28.9			
707A8454	25.8			
707A8455	25.8			
707F8456	39A.1			
707 8494	27.2			
707F8514	39A.1			
707 8524	39A.1			
707 8525	39A.1			
707 8526	39A.1			
707F8527	39A.1			
707F8530	39A.1			
707A8532	39A.1			
707 8533	39A.1			
707F8540	10.3			
707F8543	10.3			
707A8547	25.1			
707F8549	25.7			
707 8550	25.7			
707F8555	25.6	25.7		
707F8562	39A.1			
707 8569	39.1	39.2		
707F8571	39.2			
707 8574	39.1			
707 8575	39.1	39.2		
707 8576	39.1	39.2		
707 8580	39.1	39.2		
707 8582	50.3			
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707F8587	50.3			
707 8595	25.8			
707 8596	25.8			
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707 8598	25.8			
707 8599	25.8			
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707 8602	25.8A	50.1		
707 8603	25.8A	50.1		
707 8604	25.8A	50.1		
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707 8607	50.1			
707 8609	39.4			
707 8611	39.4			
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707 8630	12.1			
707F8632	39.3			
707 8633	12.1			
707F8635	39A.1			
707 8639	39A.1			
707F8641	12.1			
707F8642	25.5			
707 8656	25.8A			
707 8687	39A.1			
707 8688	39A.1			
707 8689	39A.1			
707 8692	39A.1			
707A8697	39A.1			
707A8698	39A.1			
707 8699	28.10			

PART NUMBER	PAGE NUMBER		REPLACEMENT PART
707 8700	28.4		
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707 8702	39A.2		
707F8705	39A.2		
707F8706	39A.2		
707F8710	39A.2		
707F8715	39A.2		
707F8721	39A.2	39A.3	
707F8725	39A.2		
707F8729	39A.2		
707A8733	39A.2		
707 8734	50.1		
707 8735	25.8		
707A8745	28.9		
707 8749	22.1		
707 8760	39A.2		
707 8761	40.3		
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707F8768	12.1		
707 8776	39.1	39A.3	
707 8777	39.1		
707 8778	40.3		
707 8779	40.3		
707 8780	39.1		
707 8781	39.1		
707 8782	40.2		
707 8785	28.10		
707 8786	28.10		
707 8788	39A.1		
707 8789	39A.1		
707 8790	39A.1		
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707 8792	25.8A	50.1	
707 8793	25.8A	50.1	
707 8798	39.4		
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707A8804	28.10		
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707A8806	39.4		
707A8807	25.5		
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707 8811	39.5		
707 8812	25.5		
707A8813	25.5		
707A8814	39.5		
707A8815	39.5		
707 8816	25.8		
707 8819	25.8		
707F8820	39A.3		
707 8823	39A.3		
707 8824	39A.3		
707 8828	39.1		
707 8837	39A.3		
707 8838	39A.3		
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707 8843	39A.3		
707F8844	39A.3		
707 8852	39A.3		
707F8856	39A.3		
707F8859	39A.3		
707F8862	39A.3		
707 8864	39A.3		
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707 8888	39.4		
707 8889	39.4		
707 8890	12.1		
707A8891	39.4		
707 8898	12.1		
707 8909	50.3		
707 8913	39A.1		
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707 8918	12.1		
707 8922	12.1		
707 8923	12.1		
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707 8933	5.5		
707F8935	2.1		
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707F8940	39A.3		
707 8942	39A.3		
707 8943	39A.3		
707 8944	39A.3		
707F8945	39A.3		
707 8947	39A.3		
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707F8964	44.1		
707 8967	39A.3		

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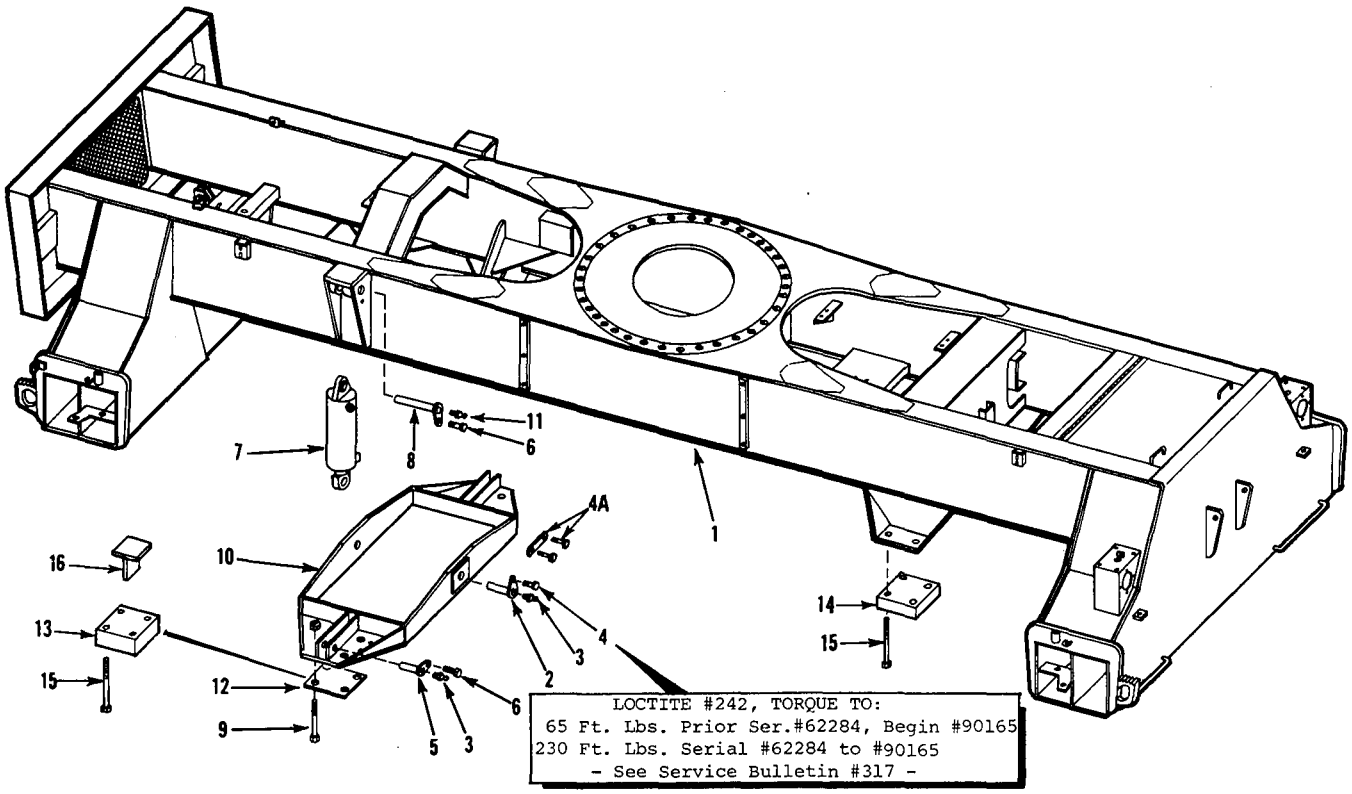
KOEHRING MODEL 706A2586 ISSUED:

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707 8979	25.8A	
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707 9010	24.1	
707 9011	7.1	7.4
707 9012	7.1	7.6
707 9016	5.5	
707 9017	5.5	
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707 9023	25.2	
707 9024	25.2	
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707 9045	3.1	3.3
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707A9089	11.2	

PART NUMBER	PAGE NUMBER	REPLACEMENT PART
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707 9424	2.2	33.1	
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707 9455	6.2		
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707 9475	25.3		
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707 9646	6A.3		
707F9647	6A.3		

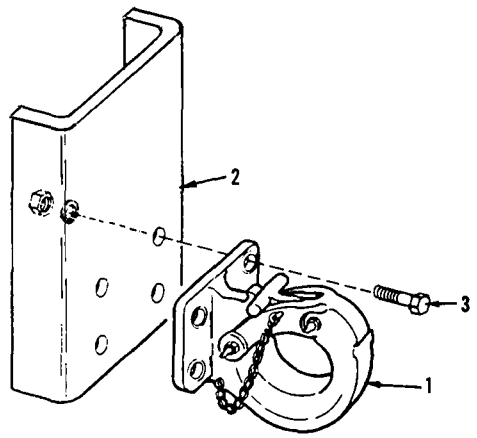
PART NUMBER	PAGE NUMBER		REPLACEMENT PART
707F9651	6A.3		
707F9658	7.1		
707F9659	7.1		
707F9660	7.1		
707F9661	7.1		
707 9663	7.1		
707A9664	10.2		
707 9665	6A.1		
707 9666	6A.1		
707 9667	6A.1		
707 9668	7.1		
707 9669	33.2		
707F9670	2.2		
707 9672	11.2		
707 9673	5.1		
708A0001	39.4		
708 0002	39.4		
708F0004	39.4		
708 0005	39.4		
708 0006	39.4		
708 0009	39.2	39.3	
708 0012	39.2	39.3	
708F0014	25.12A		
708A0016	25.12A		
708A0023	39.1	39.2	



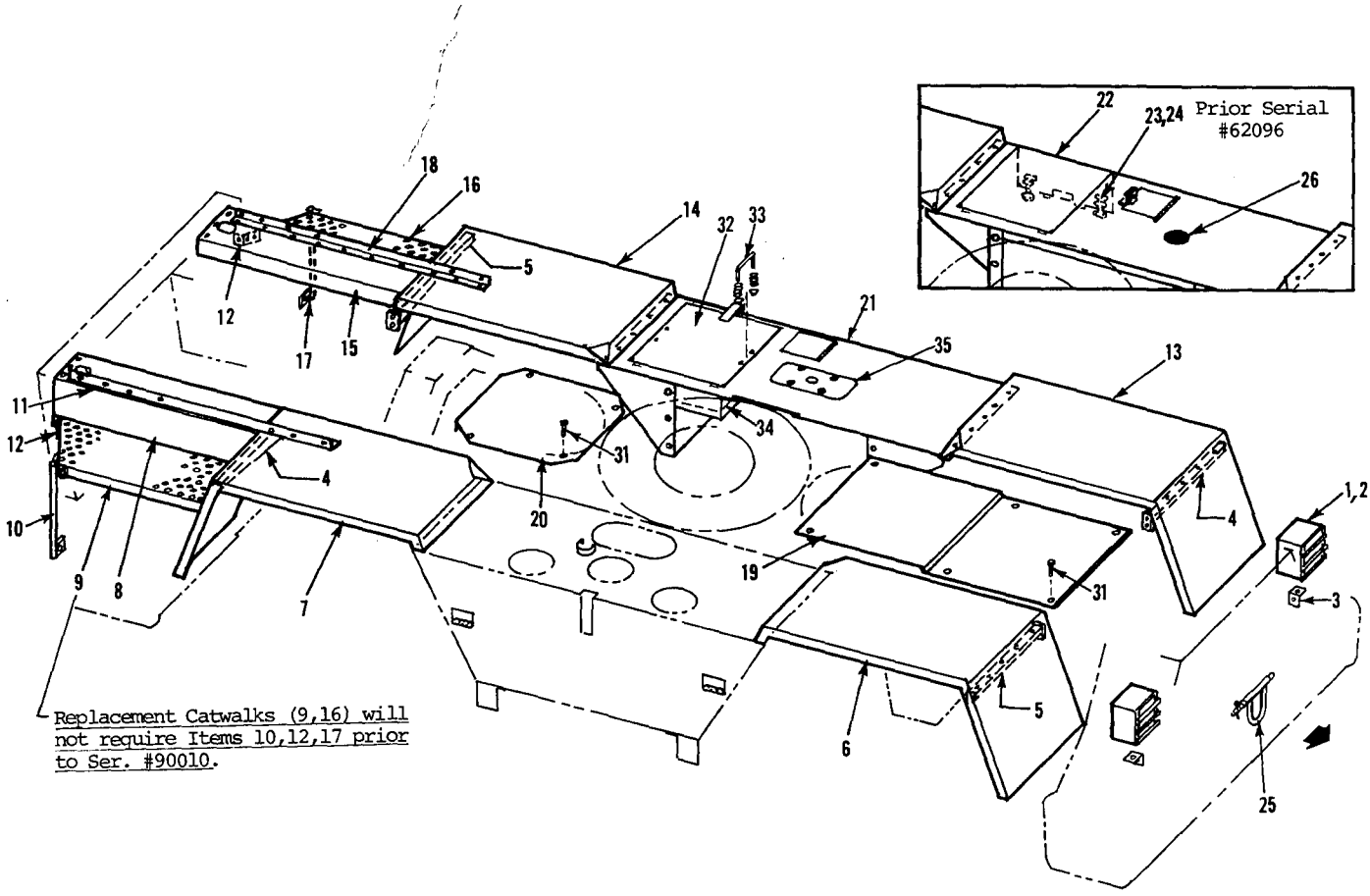
REF.	PART NO.	DESCRIPTION	QTY.
1	707F9116	Frame (Prior Ser. #90175)..	1
	708F0560	Frame (Begin Ser. #90175)..	1
2	F37568	Pin (Prior Ser. #62284)....	2
	707F9698	Pin (Begin Ser. #62284)....	2
3	1213-1	Zerk, Grease.....	4
4	1200-98	Capscrew, 1/2C x 1-1/4.	Early
	1200-182	Capscrew, 3/4C x 1-1/4.	2
4A	706 9564	Strap(Begin Ser. #90165)..	2
	1200-93	Capscrew, 1/2C x 3/4...	4
	1210-26	Washer, Lock.....	4
5	F37564	Pin.....	2
6	1200-59	Capscrew, 3/8C x 1.....	4
	1210-20	Washer, Lock, 3/8.....	4
	1209-4	Washer, Plain, 3/8.....	4
7		Cylinder (See Page 2.4)...	2
8	F37562	Pin.....	2
9	1235-292	Bolt, 1C x 9.....	16
	1205-184	Nut, 1C Elastic.....	16

REF	PART NO.	DESCRIPTION	QTY.
10	707F9216	Bracket, Axle.....	1
	12014-4	Bushing, For Above.....	2
11	1213-1	Zerk, Grease.....	2
12	707 9224	Plate (Rear).....	2
		Items 13 thru 16 for 26.50 x 25 Tires	
13	707 9472	Spacer, Rear(1-3/4")....	2
14	707 9473	Spacer, Front(1-1/2")....	2
15	1235-378	Bolt, 1C x 11.....	16
16	707F8925	Stop, Rear.....	2

Switch & Cam shown on Page 33.1

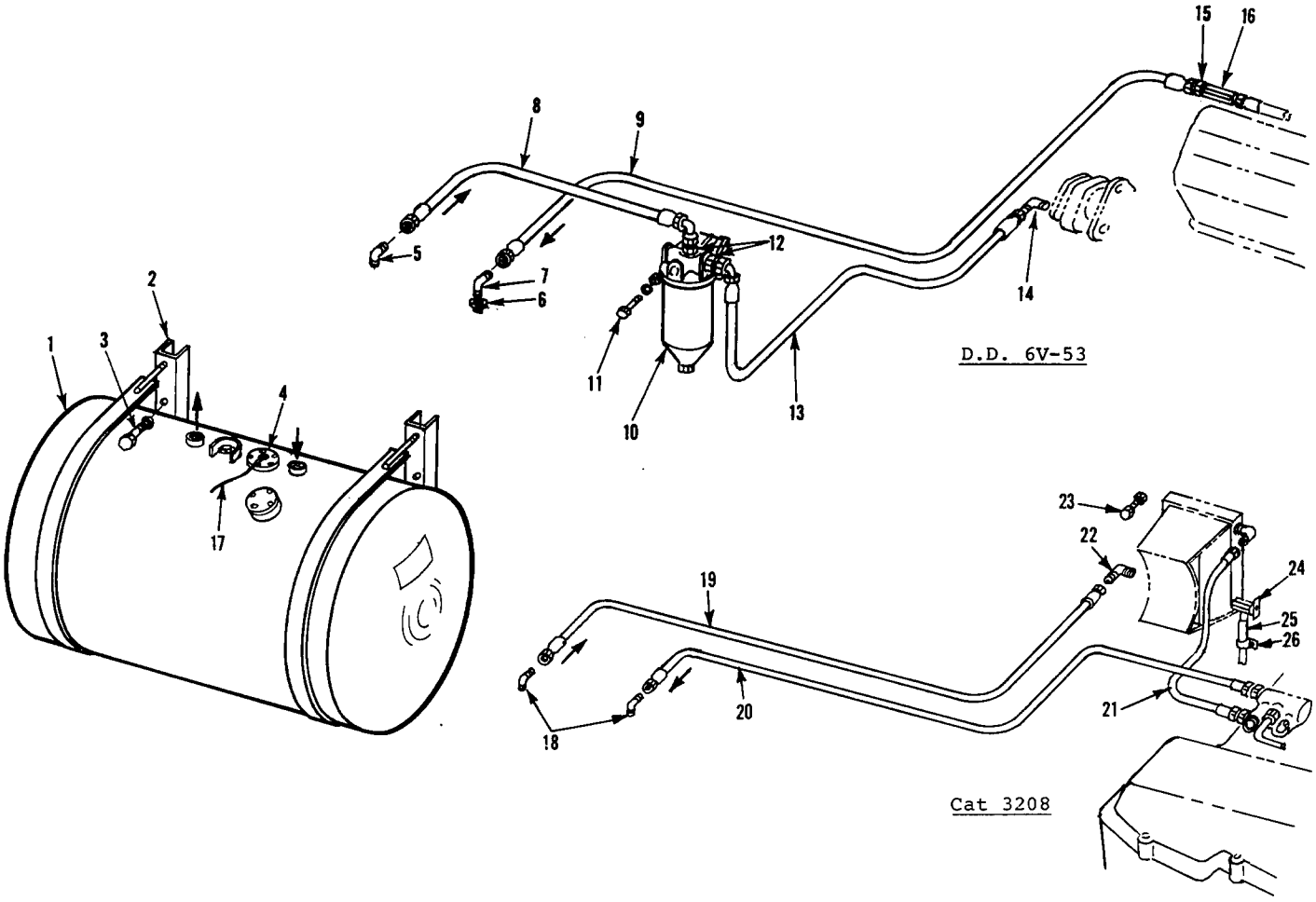


REF.	PART NO.	DESCRIPTION	QTY.
	707A9438	Pintle Hook Ass'y..... (Incl. 1, 2, 3)	Opt.
1	41101	Hook, Pintle.....	1
2	707 9437	Bracket.....	1
3	1200-102	Capscrew, 1/2C x 1-3/4.	1
	1210-26	Washer, Lock, 1/2.....	1
	1205-58	Nut, 1/2C.....	1



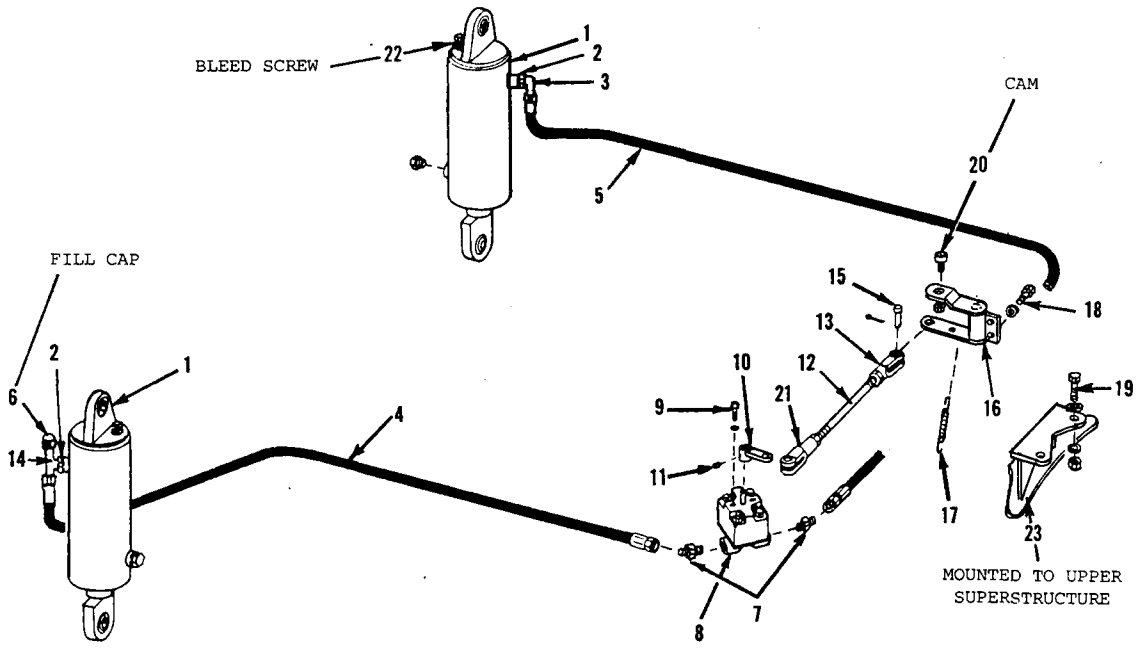
REF.	PART NO.	DESCRIPTION	QTY.
1	707F9419	Cover, Headlight.....	2
2	1200-59	Capscrew, 3/8C x 1.....	8
	1210-20	Washer, Lock, 3/8.....	8
	1205-36	Nut, 3/8C.....	8
3	707 9424	Angle.....	2
4	707F9304	Mount.....	2
5	707F9303	Mount.....	2
6	707F9334	Fender, Right Front....	1
7	707F9342	Fender, Right Rear.....	1
8	707F9319	Cover, Muffler.....	1
9	707F9309	Catwalk.....	1
10	707F9363	Handle.....	1
11	707 9323	Bracket.....	1
12	707 9311	Bracket.....	2
13	707F9340	Fender, Left Front.....	1
14	707F9345	Fender, Left Rear.....	1
	707F9670	Fender, Left Rear..... (For Donaldson Air Cleaner)	1
15	707F9316	Cover, Muffler.....	1
16	707F9305	Catwalk.....	1
17	707 9369	Handle.....	1
18	707 9324	Bracket.....	1
19	707 9361	Plate.....	1
20	707 9362	Plate (Prior Ser. #90000).	1
	708 0163	Plate (Begin Ser. #90000).	1
21	707F9347	Housing, Fuel Tank..... (Requires 32 thru 35)	1
22	707F9426	Cover, Battery.....	1

REF.	PART NO.	DESCRIPTION	QTY.
23	1222-218	Catch.....	2
24	1233-35	Screw, Machine.....	6
	1210-2	Washer, Lock.....	6
	1205-1	Nut.....	6
25	707F7694	Eye, Hook.....	1
	707 7691	Pin.....	1
	1207-33	Pin, Cotter.....	1
26	11128	Plate.....	1
27	1200-98	Capscrew, 1/2C x 1-1/4.	8
	1210-26	Washer, Lock, 1/2.....	8
	1205-58	Nut, 1/2C.....	8
28	1200-59	Capscrew, 3/8C x 1.....	77
	1210-20	Washer, Lock, 3/8.....	77
	1205-36	Nut, 3/8C.....	77
29	1200-29	Capscrew, 5/16C x 3/4..	42
	1210-17	Washer, Lock, 5/16.....	42
	1205-25	Nut, 5/16C.....	42
	1209-3	Plainwasher, 5/16.....	9
30	1200-61	Capscrew, 3/8C x 1-1/4.	9
31	1211-12	Screw, Self-Tapping....	12
32	707F9697	Cover (Repl. 707F9606)....	1
33	1222-272	Handle, Retractable....	2
34	707 9508	Pad, Battery.....	1
35	707 9604	Cover, Access.....	1

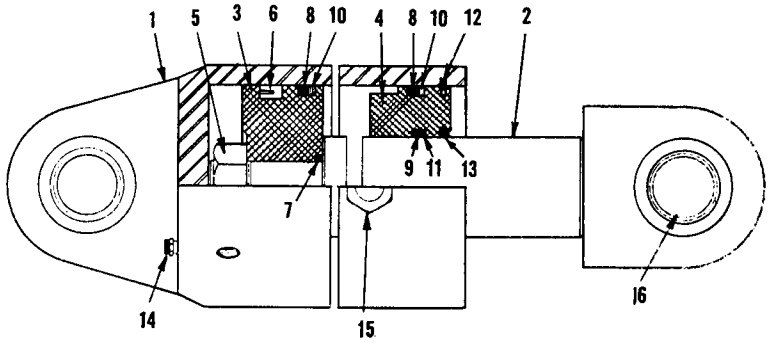


REF	PART NO.	DESCRIPTION	QTY.
1	707 9004	Tank, Fuel	1
	201580	Cap, Vented	1
	707 9644	Cap, Locking	1
	203770	Key, For Above	1
2	56199	Bracket	2
3	1200-98	Capscrew, 1/2C x 1-1/4.	8
	1210-26	Washer, Lock, 1/2	8
4	1245-42	Sender	1
5	1219-815	Adapter	1
6	1219-97	Bushing	1
7	1219-799	Adapter	1
8	707A9098	Hose Ass'y	1
9	707A9099	Hose Ass'y	1
10		Filter - See Group 6	1
11	1200-100	Capscrew, 1/2C x 1-1/2.	2
	1210-26	Washer, Lock, 1/2	2
	1205-58	Nut, 1/2C	2
12	1219-439	Adapter	2

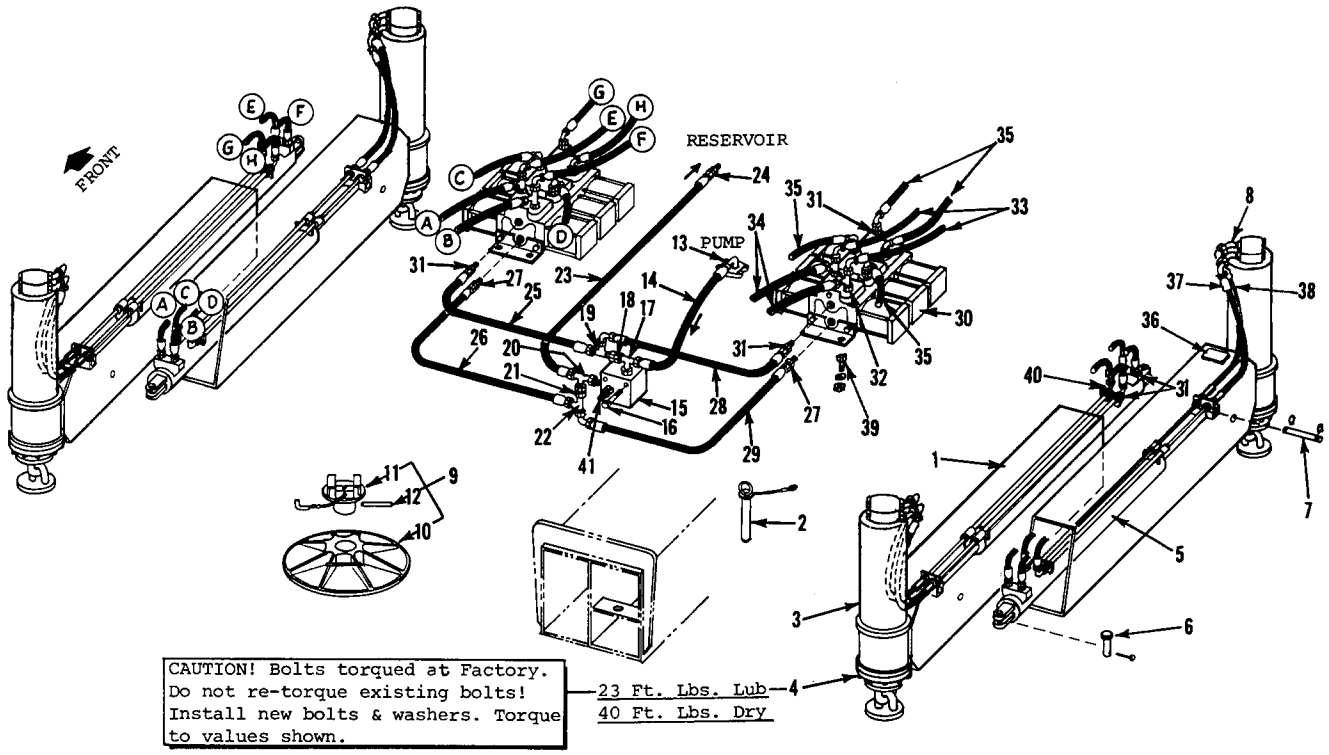
REF	PART NO.	DESCRIPTION	QTY.
13	707A9100	Hose Ass'y	1
14	1219-827	Adapter	1
15	1219-879	Adapter	1
16	12019-484	Valve, Check (Repl. 707 6625). (See Service Bulletin #316)	1
17	707 9585	Wire Unit	1
18	1219-775	Adapter	2
19	707A9510	Hose Ass'y	1
20	707A9099	Hose Ass'y (Repl 707A9586).	1
21	707A9576	Hose Ass'y	1
22	1219-351	Adapter	2
23	1200-59	Capscrew, 3/8C x 1	2
	1210-20	Washer, Lock, 3/8	2
	1205-36	Nut, 3/8C	2
24	12019-456	Valve, Needle	1
25	1264-26	Tube	1
26	1240-10	Clip, Jiffy	2
	1211-23	Screw	2



REF.	PART NO.	DESCRIPTION	QTY.
1	49565	Cylinder (See Page 2.4)...	2
2	1219-827	Adapter.....	2
3	1219-470	Adapter.....	1
4	707A9463	Hose Ass'y.....	1
5	707A9463	Hose Ass'y.....	1
6	1219-736	Cap.....	1
7	1219-440	Adapter.....	2
8	10711	Valve.....	1
9	1200-29	Capscrew, 5/16C x 3/4..	2
	1210-17	Washer, Lock, 5/16.....	2
10	707F9236	Bellcrank.....	1
11	1206-65	Setscrew, 5/16F x 3/4..	2
12	707 9238	Rod.....	1
13	2597	Yoke.....	1
14	1219-913	Tee.....	1
15	2234	Pin.....	2
	1207-2	Pin, Cotter.....	2
16	707F9225	Bracket.....	1
17	5192	Spring.....	1
18	1200-57	Capscrew, 3/8C x 3/4...	2
	1210-20	Washer, Lock, 3/8.....	2
19	1200-31	Capscrew, 5/16C x 1....	1
	1209-3	Washer, Plain, 5/16....	2
	1210-17	Washer, Lock, 5/16.....	2
	1205-25	Nut, 5/16C.....	2
20	1217-50	Follower, Cam.....	1
	1210-20	Washer, Lock, 3/8.....	1
	1205-40	Nut, 3/8F Jam.....	2
21	37827	Yoke.....	1
22	12019-332	Screw, Bleed.....	1
23	707F9232	Bracket.....	1



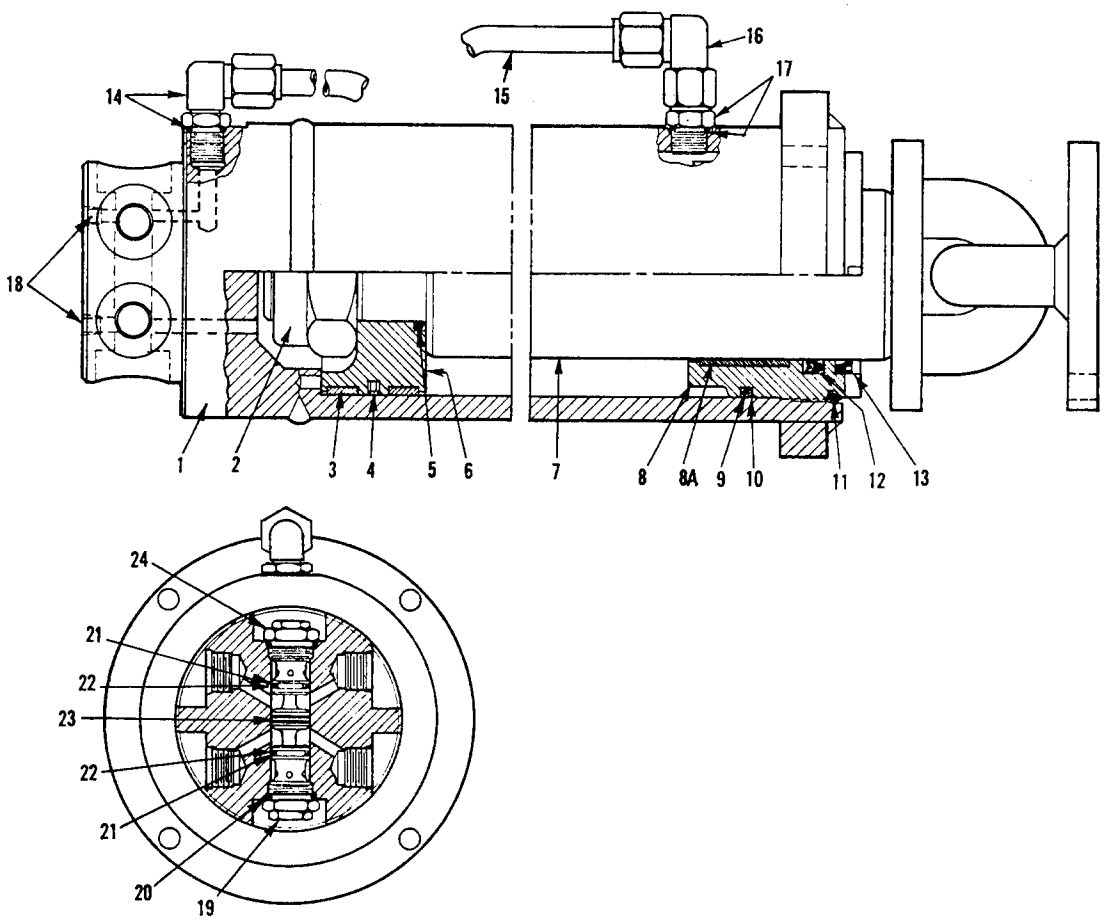
REF.	PART NO.	DESCRIPTION	QTY.
	49565	Cylinder, Axle Lock.. (Includes items Listed below)	2
	29437	Kit, Seal..... (Includes Items 10 thru 17)	1
1	29438	Tube.....	1
2	23716	Rod.....	1
3	29439	Piston.....	1
4	29440	Gland.....	1
5	23721	Nut, 1-1/4-12.....	1
6	29441	Seal, "U" Cup.....	1
7	23725	Ring, "O".....	1
8	23726	Ring, "O".....	2
9	23727	Ring, "O".....	1
10	23728	Washer, Back-Up.....	2
11	23729	Washer, Back-Up.....	1
12	29442	Ring, Snap.....	1
13	25367	Seal, Wiper.....	1
14	29443	Capscrew.....	1
	29444	Seal, Nyltite.....	1
15	25329	Breather.....	1
16	1217-241	Bushing, Self-Align..	2



REF.	PART NO.	DESCRIPTION	QTY.
1	708F0371	Beam (Replaces 707F9274)...	4
2	F48542	Pin.....	4
	12219-14	Cable.....	4
	1222-225	Sleeve.....	8
3		Cylinder(Pages 3.2, 3.2A).	4
4	1203-198	Capscrew, 3/8C x 1-3/4 SHLD	16
	1209-93	Washer, Spring.....	16
5		Cylinder(Pages 3.2B, 3.3).	4
6	707 7536	Pin.....	4
	1207-31	Pin, Cotter.....	4
7	48040	Pin.....	4
	1220-82	Ring, Snap.....	8
8	12019-447	Adapter w/"O" ring.....	8
	1218-34	Ring, "O".....	8
9	707A7463	Float Ass'y..... (Includes Items 10,11,12)	4
10	707 7460	Pad.....	4
11	707F7461	Bracket.....	4
	707F8951	Bracket(26.50 x 25 Tires)..	4
12	707 7462	Pin.....	4
13	12019-279	Clamp, Split Flange....	2
	1218-26	Ring, "O".....	1
	1200-61	Capscrew, 3/8C x 1-1/4.	4
	1210-20	Washer, Lock, 3/8.....	4
14	707A9054	Hose Ass'y.....	1
15	707 7025	Valve, Diversion.....	1
	203653	Cartridge, Relief.....	1
	203777	Coil, Solenoid.....	1
16	1200-45	Capscrew, 5/16C x 2-3/4.	2
	1210-17	Washer, Lock, 5/16.....	2
	1205-25	Nut, 5/16C.....	2
17	12019-179	Tee w/"O" ring.....	1
	1218-64	Ring, "O".....	1
18	1219-713	Reducer.....	1
19	1219-800	Tee, Swivel.....	1
20	1219-714	Tee w/"O" ring.....	1
	1218-64	Ring, "O".....	1

REF.	PART NO.	DESCRIPTION	QTY.
21	1219-715	Reducer.....	1
22	1219-956	Tee, Swivel.....	1
23	707A9056	Hose Ass'y.....	1
24	12019-171	Adapter w/"O" ring.....	1
	1218-41	Ring, "O".....	1
25	707A9055	Hose Ass'y.....	1
26	707A9057	Hose Ass'y.....	1
27	1219-446	Adapter w/"O" ring.....	2
	1218-34	Ring, "O".....	2
28	707A9053	Hose Ass'y.....	1
29	707A9058	Hose Ass'y.....	1
30	707 7026	Valve (See Page 3.4).....	2
31	1219-441	Adapter w/"O" ring.....	26
	1218-34	Ring, "O".....	26
32	1219-694	Tee w/"O" ring.....	4
	1218-34	Ring, "O".....	4
33	707A9052	Hose Ass'y.....	4
34	707A9050	Hose Ass'y.....	4
35	707A9051	Hose Ass'y.....	8
36	52050	Plate (1/8").....	1
	48681	Plate (1/4").....	1
	48682	Plate (5/16").....	1
	48683	Plate (3/8").....	1
37	707A9616	Hose Ass'y.....	4
38	707A9616	Hose Ass'y..... (Prior Ser. #61381, Order Hose Kit, #A203080, Replaces 707 9272 & 707 9273 Tubes)	4
39	1200-95	Capscrew, 1/2C x 1.....	8
	1210-26	Washer, Lock, 1/2.....	8
	1205-58	Nut, 1/2C.....	8
40	1219-570	Adapter, Swivel, 90°...	8
41	12019-245	Tap, Gauge.....	1
	1219-742	Cover, Dust.....	1
	1219-954	Adapter.....	1

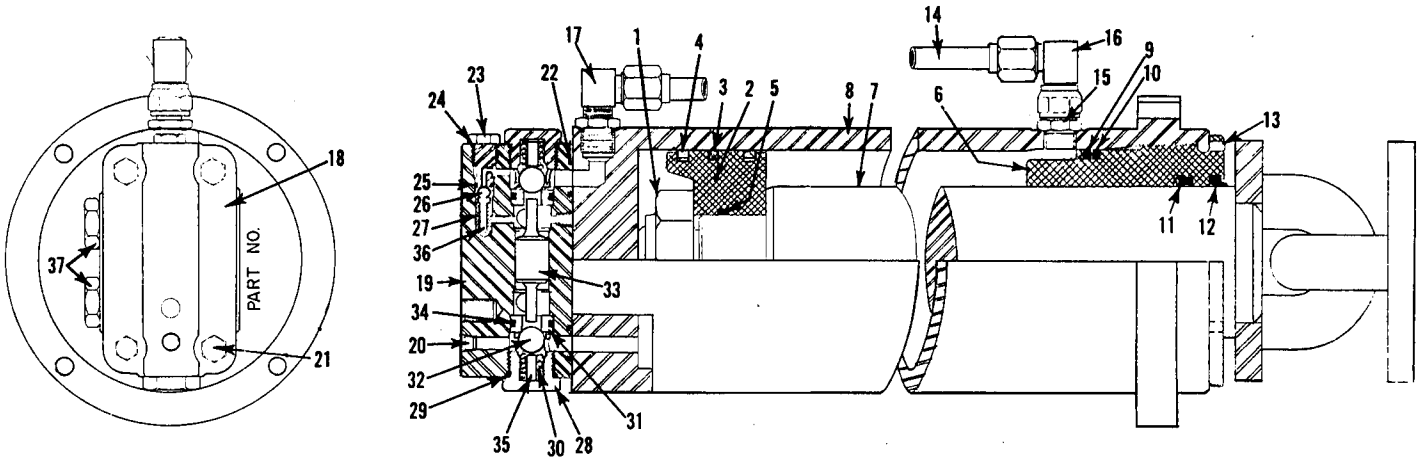
Prior Ser. #61558 - Begin Ser. #90143



REF.	PART NO.		DESCRIPTION	QTY.
	52676	707 8008 (Repl.52676)	Cylinder..... (Less Port Tube Items 14-17)	4
	201788	205617	Kit, Seal..... (Includes Items 3,4,5,8A, 9 thru 13,20,21,22)	4
1	201784		Case.....	1
2	201193		Nut, Lock.....	1
3	201496		Ring, Wear.....	2
4	201495		Seal Ass'y.....	1
5	201197		Ring, "O".....	1
6	201786		Piston.....	1
7	201785		Rod.....	1
8	201501	205419	Head.....	1
8A	—	205420	Bearing.....	1
9	201502		Ring, "O".....	1

REF.	PART NO.		DESCRIPTION	QTY.
10	201503		Ring, Back-Up.....	1
11	201506		Ring, "O".....	1
12	201504		Seal.....	1
13	201505	205543	Wiper.....	1
14		1219-470	Elbow..... (Repl 201533).	1
		1218-34	Ring, "O".. (Repl 201537).	1
15		707 9495	Tube Ass'y. (Repl 201787).	1
16		1219-570	Elbow..... (Repl 201535).	1
17		12019-451	Connector.. (Repl 201536).	1
		1218-34	Ring, "O".. (Repl 201537).	1
18		200046	Plug, Pipe.....	2
19		201538	Cartridge, Valve.....	1
20		201539	Ring, "O".....	2
21		201540	Ring, "O".....	2
22		201541	Ring, Back-Up.....	2
23		201542	Piston.....	1
24		201543	Cartridge, Valve.....	1

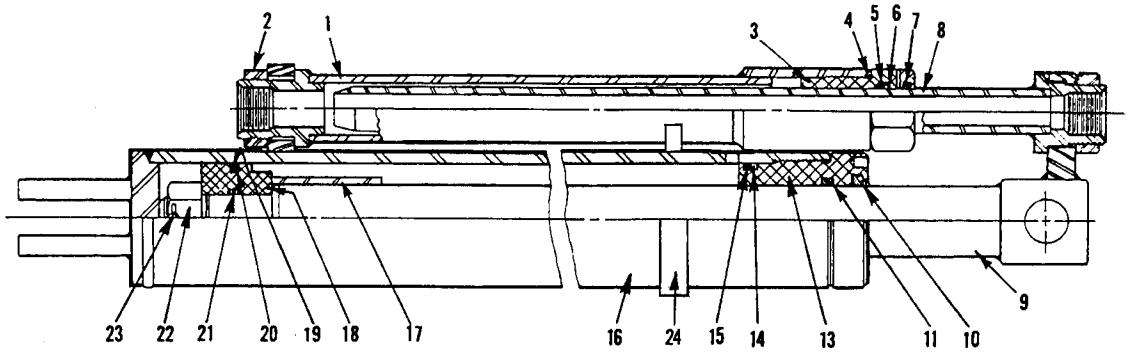
Begin Ser. #61558 to Ser. #90143



REF.	PART NO.	DESCRIPTION	QTY.
	707 9608	Cylinder complete..... (Less Items 14 thru 17)	4
	203136	Kit, Seal (Cylinder Only).	1
	201347	Kit, Seal (Valve Only)....	1
1	24585	Nut, Buttress, 1-1/2-12..	1
		Pin, Cotter, 5/32 x 3....	1
2	203137	Piston.....	1
3	203138	Seal w/Loading "O"Ring..	1
4	203139	Ring, Piston.....	2
5	23404	Ring, "O" (Static).....	1
	25084	Washer, Back-Up.....	2
6	203140	Gland, Head.....	1
7	203141	Shaft.....	1
8	203142	Case.....	1
9	1218-180	Ring, "O" (Static).....	1
10	28961	Washer, Back-Up.....	1
11	200631	Seal, "U" Cup w/"O" Ring..	1
12	25049	Seal, Wiper.....	1
13		Setscrew, 1/4C x 3/8 sock..	1
14	707 9495	Tube, Porting.....	1
15	12019-451	Adapter w/"O" ring.....	1
	1218-34	Ring, "O".....	1
16	1219-570	Elbow, Swivel.....	1
17	1219-470	Elbow w/"O" ring.....	1
	1218-34	Ring, "O".....	1

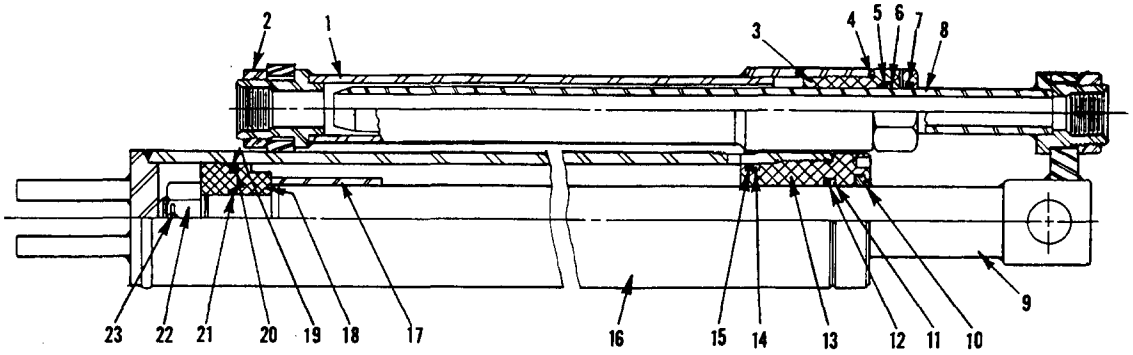
REF.	PART NO.	DESCRIPTION	QTY.
18	12019-367	Valve, Hold..... (Incl. Items 19 thru 37)	1
19	201354	Body.....	1
20	1219-38	Plug, Pipe.....	1
21	1229-44	Capscrew, 3/8F x 2-3/4....	4
	1210-20	Washer, Lock, 3/8.....	4
22	23133	Ring, "O".....	2
23	201356	Cap, Relief.....	1
24	1218-144	Ring, "O".....	1
25	22845	Ring, "O".....	1
	201355	Washer, Back-Up.....	2
26	23444	Ball.....	1
27	201357	Spring, Relief.....	1
28	201358	Cap, Main.....	2
29	1218-64	Ring, "O".....	2
30	201359	Spring, Main.....	2
31	201360	Seat.....	2
32	23443	Ball.....	2
33	201361	Striker, Shuttle Spool.	1
34	1218-226	Ring, "O".....	2
	201362	Washer, Back-Up.....	4
35	201363	Stop, Main Spring.....	2
36	201364	Stop, Relief Spring....	1
37	1219-624	Plug w/"O" ring (Ports).	2
	1218-34	Ring, "O".....	2

Begin Serial #61838

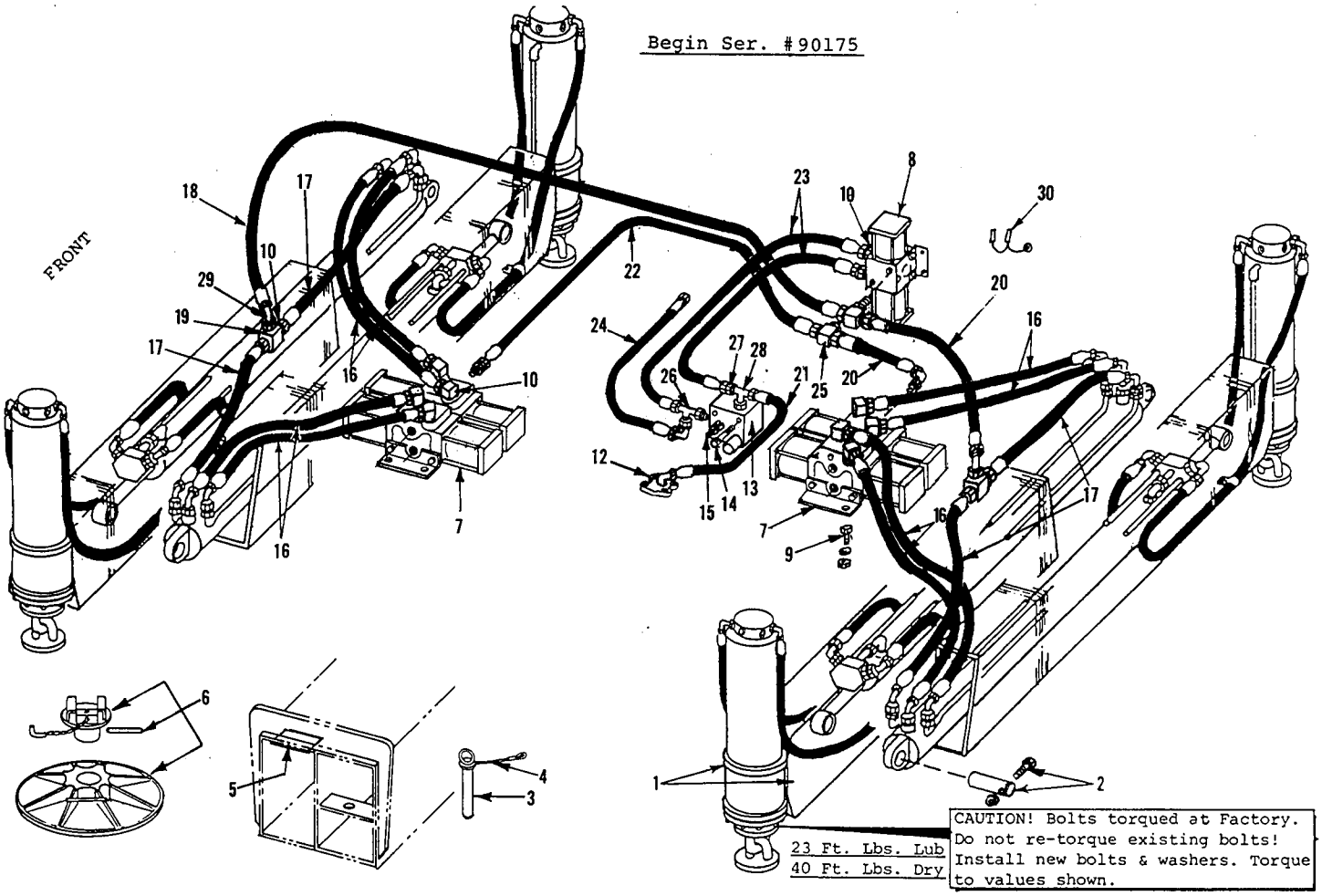


REF.	PART NO.	DESCRIPTION	QTY.
	707 9625	Cylinder complete.....	4
	203143	Kit, Seal.....	4
1	203147	Tube, External Port....	2
2	27330	Nut, Anchor.....	4
3	203149	Gland.....	2
4	1218-140	Ring, "O".....	2
5	1218-226	Ring, "O"...(23142).....	2
6	23420	Ring, Back-Up.....	2
7	28685	Wiper.....	2
8	203148	Tube.....	2
9	203145	Shaft.....	1
10	27328	Wiper.....	1
11	201961	Seal, "U" Cup.....	1
13	201960	Gland, Head.....	1
14	27324	Ring, Back-Up.....	1
15	27323	Ring, "O".....	1
16	203144	Case.....	1
17	203146	Spacer, Rod.....	1
18	201956	Piston.....	1
19	27321	Ring, Seal.....	1
20	23404	Ring, "O".....	1
21	1218-202	Ring, "O"...(23635).....	1
	201957	Ring, Back-Up.....	2
22	27319	Nut, Slotted.....	1
23	1207-33	Pin, Cotter, 3/16 x 2..	1
24	203150	Band & Clamp Ass'y.....	1

Prior To Serial #61838

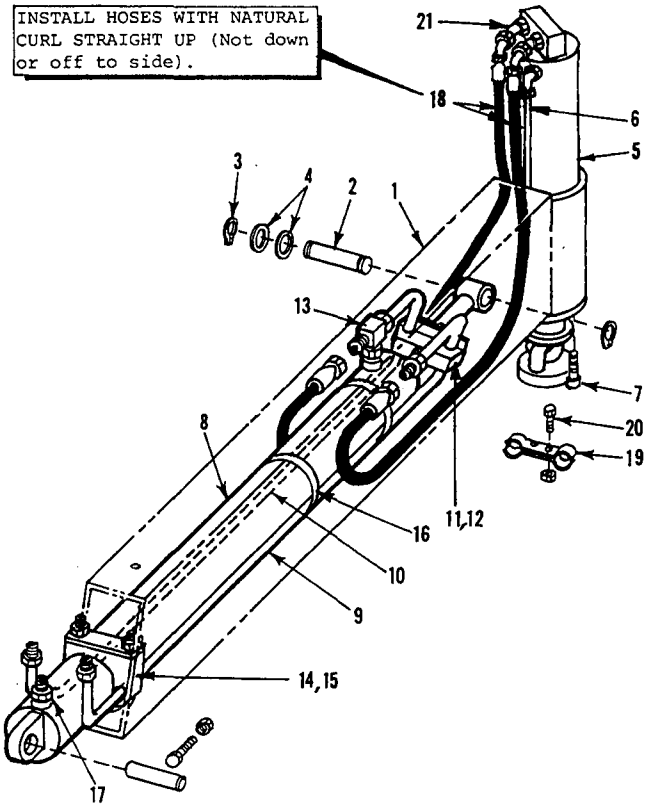


REF.	PART NO.	DESCRIPTION	QTY.
	707 9045	Cylinder complete.....	4
	27314	Kit, Seal.....As Req'd. (For Cylinder Only)	
	28695	Kit, Seal.....As Req'd. (For Trombone Only)	
1	201965	Tube, External Port....	2
2	28687	Nut, Anchor.....	4
3	23419	Gland.....	2
4	28684	Ring, "O".....	2
5	23142	Ring, "O".....	2
6	23420	Ring, Back-Up.....	2
7	28685	Wiper.....	2
8	201966	Tube.....	2
9	201967	Shaft.....	1
10	27328	Wiper.....	1
11	28689	Ring, Back-Up.....	1
12	27326	Ring, "O".....	1
13	27325	Gland, Head.....	1
14	27324	Ring, Back-Up.....	1
15	27323	Ring, "O".....	1
16	201968	Case.....	1
17	201969	Spacer, Rod.....	1
18	27320	Piston.....	1
19	27321	Ring, Seal.....	1
20	23404	Ring, "O".....	1
21	23635	Ring, "O".....	1
22	27319	Nut, Slotted.....	1
23	1207-33	Pin, Cotter, 3/16 x 2..	1

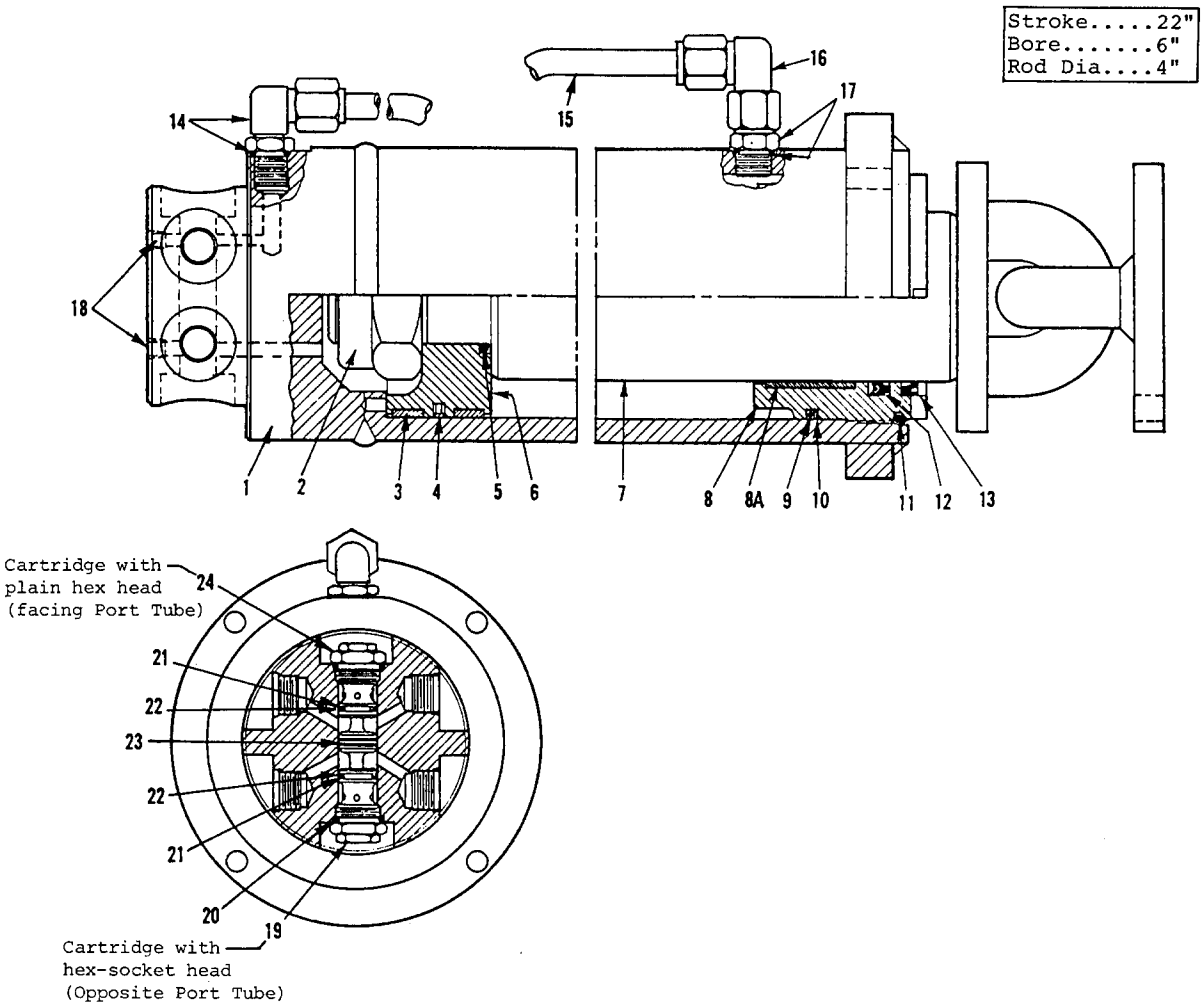


REF.	PART NO.	DESCRIPTION	QTY.
1		Beam Ass'y (See Page 3A.2)	4
2	706 8587	Pin	4
	1200-41	Capscrew, 5/16C x 2-1/4.	8
	1205-32	Nut, 5/16C	8
3	F48542	Pin, Beam	4
4	12219-14	Cable	4
	1222-225	Sleeve	8
5	52050	Shim, 1/8"	1
	48681	Shim, 1/4"	1
	48682	Shim, 5/16"	1
	48683	Shim, 3/8"	1
6	707A7463	Float Ass'y, Includes:	4
	707 7460	Pad	1
	707F7461	Bracket	1
	707 7462	Pin	1
7	708 2210	Valve (See Page 3A.3)	2
8	708 2211	Valve (See Page 3A.3)	1
9	1200-95	Capscrew, 1/2C x 1	8
	1210-26	Lockwasher	8
	1205-58	Nut, 1/2C	8
10	1219-441	Adapter w/"O" ring	22
	1218-34	Ring, "O"	22
12	12019-279	Clamp, Split Flange	2
	1218-26	Ring, "O"	1
	1200-61	Capscrew, 3/8C x 1-1/4.	4
	1210-20	Lockwasher	4
13	707 7025	Valve, Relief	1
	203653	Cartridge	1
	203777	Coil, Solenoid	1

REF.	PART NO.	DESCRIPTION	QTY.
14	1200-45	Capscrew, 5/16C x 2-3/4.	2
	1210-17	Lockwasher	2
	1205-25	Nut, 5/16C	2
15	12019-557	Disconnect, Quick	1
	12019-558	Cap, Dust	1
16	708A0563	Hose Ass'y	8
17	708A0564	Hose Ass'y	4
18	708A0565	Hose Ass'y	2
19	708 0660	Block	2
	1200-67	Capscrew, 3/8C x 2	4
	1205-43	Nut, 3/8C Lock	4
20	708A0567	Hose Ass'y	2
21	708A0568	Hose Ass'y	1
22	708A0570	Hose Ass'y	1
23	708A0571	Hose Ass'y	2
24	708A0572	Hose Ass'y	1
25	1219-694	Tee w/"O" ring	2
	1218-34	Ring, "O"	2
26	1219-714	Tee w/"O" ring	1
	1218-64	Ring, "O"	1
27	1219-713	Reducer	2
28	12019-179	Tee w/"O" ring	1
	1218-64	Ring, "O"	1
29	1219-470	Elbow w/"O" ring	2
	1218-34	Ring, "O"	2
30	708 0538	Wire, Ground	2
	708 0539	Wire, Ground	1

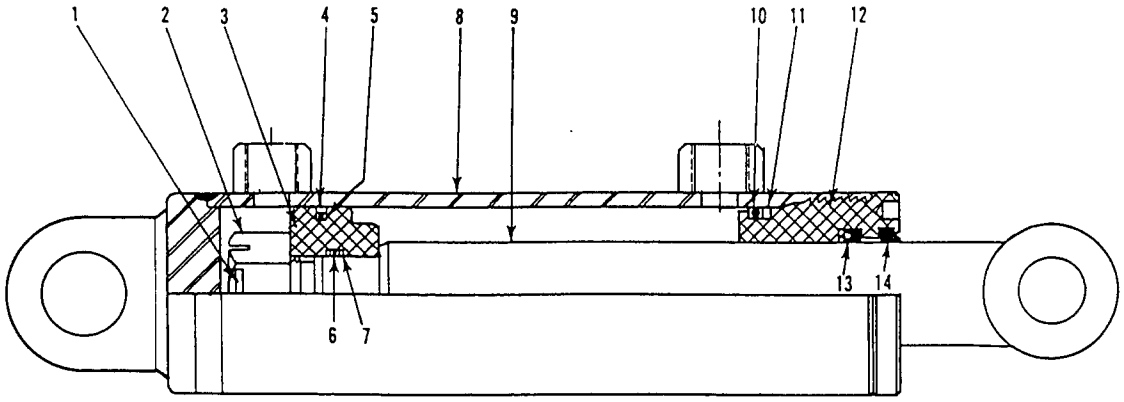


REF.	PART NO.	DESCRIPTION	QTY.
	708A0574	Beam Ass'y..... (Includes Items 1 thru 20)	4
1	708F0575	Beam.....	1
2	48040	Pin.....	1
3	1220-82	Ring, Snap.....	2
4	1208-19	Bushing, 1 x 2 x 14 ga ...	2
	1208-20	Bushing, 1 x 2 x 18 ga ...	2
5	707 8008	Cylinder, Jack..... (See Page 3A.3 - Port Tube Ref. 6 Required, Not part of Replacement Cylinder)	1
6	707 9495	Tube, Port.....	1
7	1203-210	Capscrew, 3/8C x 1-3/4 sock.	4
	1209-88	Washer, Spring.....	4
8	815 2364	Cylinder, Extend..... (See Page 3A.4)	1
9	708 0658	Tube.....	1
10	708 0659	Tube, Swivel.....	1
11	706 8936	Clamp.....	1
	1240-154	Plate, Cover.....	1
12	1200-43	Capscrew, 5/16C x 2-1/2.	1
	1205-32	Nut, 5/16C.....	1
13	1219-768	Tee w/"O" ring.....	1
	1218-34	Ring, "O".....	1
14	707 4009	Bolt, "U".....	1
	1205-32	Nut, 5/16C.....	2
15	707 4018	Clamp.....	1
	707 4017	Bar.....	1
16	1240-48	Clamp, Band.....	2
17	1219-441	Adapter w/"O" ring.....	1
	1218-34	Ring, "O".....	1
18	708A0540	Hose Ass'y.....	2
19	706 4211	Clamp, Hose.....	4
20	1200-61	Capscrew, 3/8C x 1-1/4.	4
	1205-45	Nut, 3/8C Elastic.....	4
21	12019-447	Adapter w/"O" Ring(90°lg).	2
	1218-34	Ring, "O".....	2

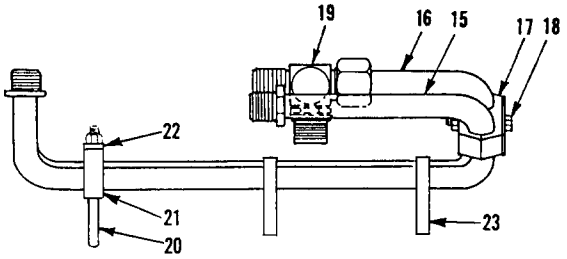


REF.	PART NO.	DESCRIPTION	QTY.
	707 8008	Cylinder..... (Less Port Tube Items 14-17)	4
	205617	Kit, Seal..... (Includes Items 3,4,5,8A, 9 thru 13,20,21,22)	4
1	201784	Case.....	1
2	201193	Nut, Lock.....	1
3	201496	Ring, Wear.....	2
4	201495	Seal Ass'y.....	1
5	201197	Ring, "O".....	1
6	201786	Piston.....	1
7	201785	Rod.....	1
8	205419	Head.....	1
8A	205420	Bearing.....	1
9	201502	Ring, "O".....	1
10	201503	Ring, Back-Up.....	1
11	201506	Ring, "O".....	1
12	201504	Seal.....	1
13	205543	Wiper.....	1
14	1219-470	Elbow.....	1
	1218-34	Ring, "O".....	1
15	707 9495	Tube Ass'y.....	1
16	1219-570	Elbow.....	1
17	12019-451	Connector.....	1
	1218-34	Ring, "O".....	1
18	200046	Plug, Pipe.....	2
19	201538	Cartridge, Valve.....	1
20	201539	Ring, "O".....	2
21	201540	Ring, "O".....	2
22	201541	Ring, Back-Up.....	2
23	201542	Piston.....	1
24	201543	Cartridge, Valve.....	1

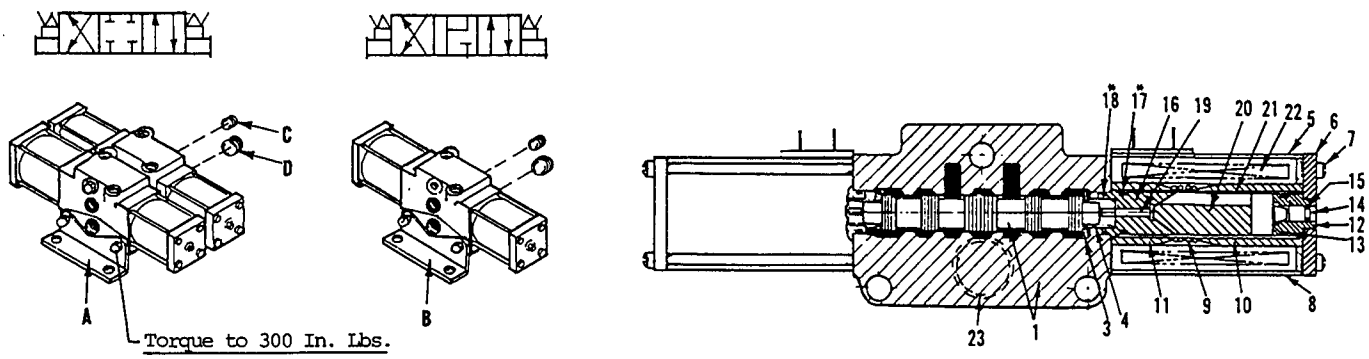
LENGTH	74-1/4"
STROKE	65"
BORE	2-1/2"
ROD DIA.	1-1/2"
PINS	1"



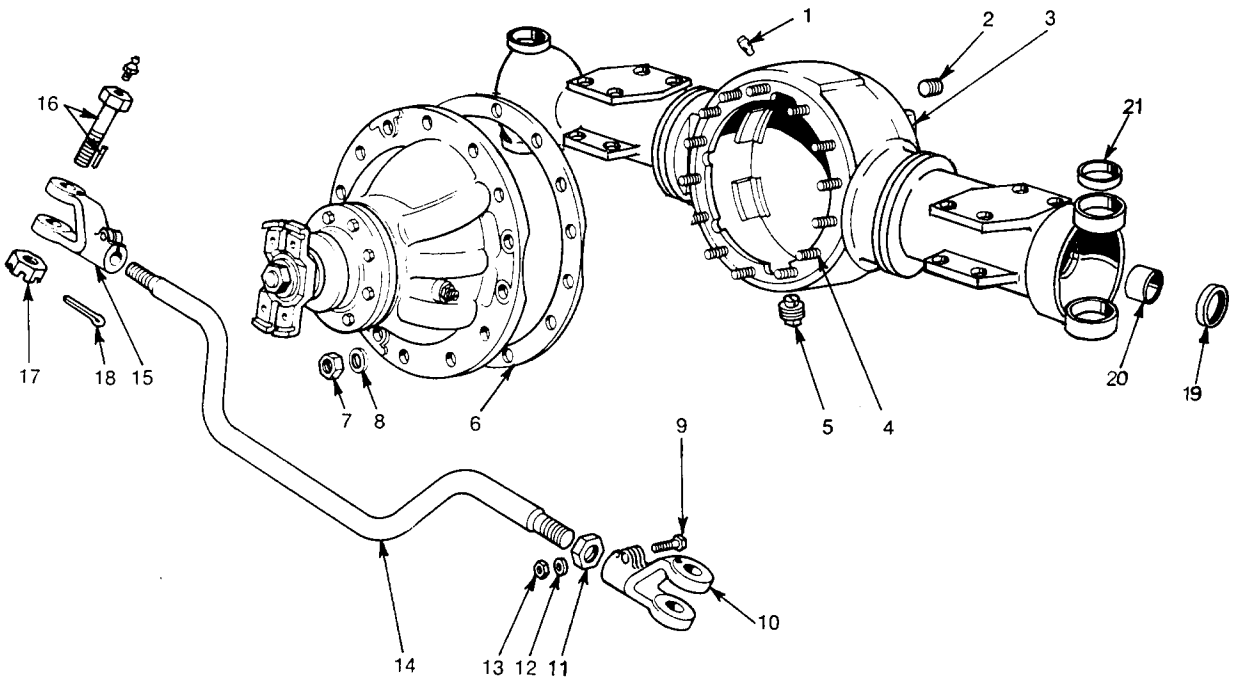
REF.	PART NO.	DESCRIPTION	QTY.
	815 2364	Cylinder, Beam..... (Includes Items 1 thru 14, less Tubes & Elbows)	4
	201955	Kit, Seal.....	4
1	1207-33	Pin, Cotter.....	1
2	27319	Nut, Buttress, 1-14....	1
3	201956	Piston.....	1
4	27321	Seal.....	1
5	23404	Ring, "O".....	1
6	1218-202	Ring, "O".....	1
7	201957	Ring, Back-Up.....	2
8	205527	Case.....	1
9	205528	Shaft.....	1
10	27323	Ring, "O".....	1
11	27324	Ring, Back-Up.....	1
12	201960	Gland, Head.....	1
13	201961	Seal, "U" Cup.....	1
14	27328	Wiper.....	1



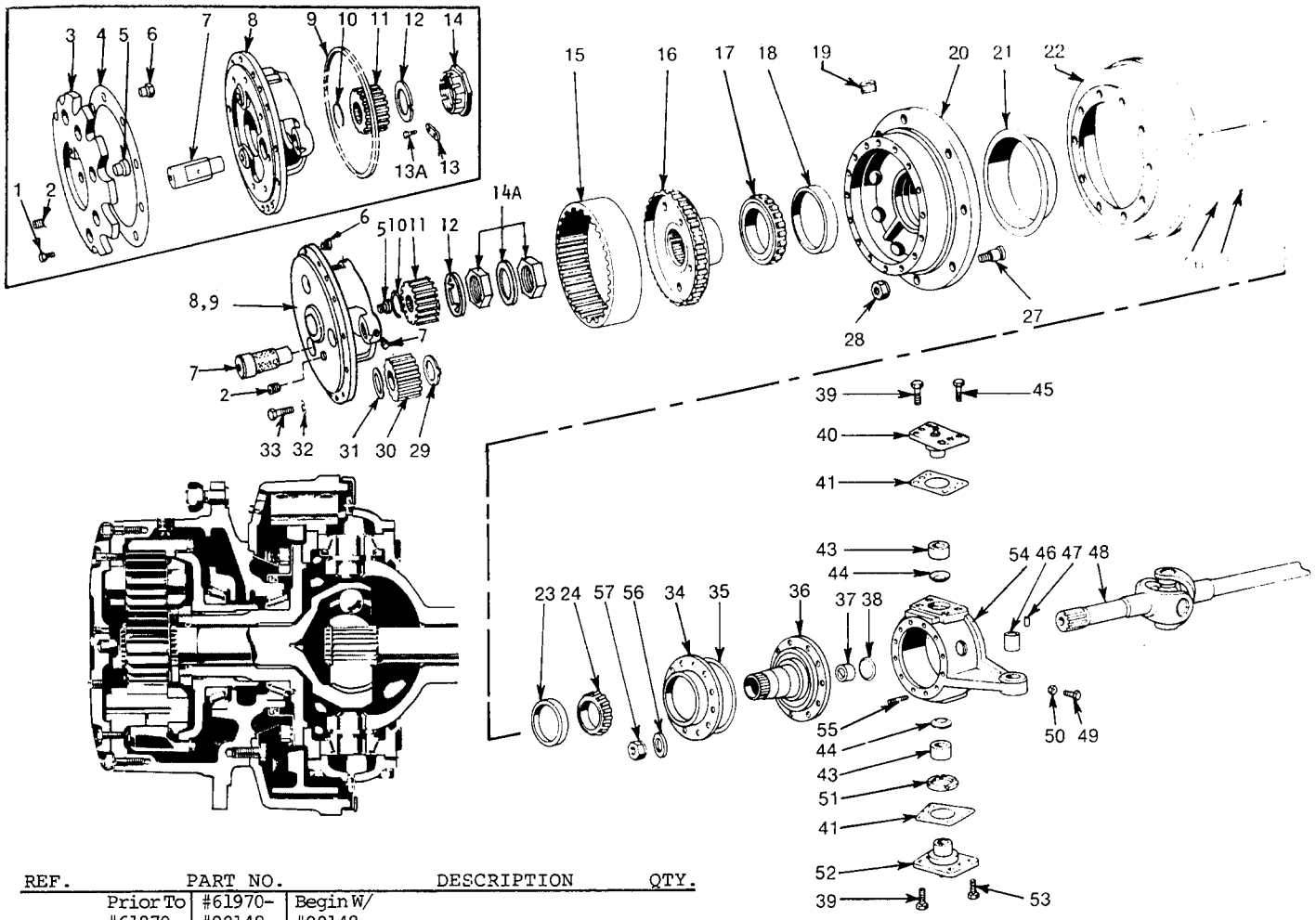
REF.	PART NO.	DESCRIPTION	QTY.
15	708 0658	Tube.....	1
16	708 0659	Tube, Swivel.....	1
17	706 8936	Clamp.....	1
	1240-154	Plate, Cover.....	1
18	1200-43	Capscrew, 5/16C x 2-1/2.	1
	1205-32	Nut, 5/16C.....	1
19	1219-768	Tee w/"O" ring.....	1
	1218-34	Ring, "O".....	1
20	707 4009	Bolt, "U".....	1
	1205-32	Nut, 5/16C.....	2
21	707 4018	Clamp.....	1
22	707 4017	Bar.....	1
23	1240-48	Clamp, Band.....	2



REF.	PART NO.	DESCRIPTION	QTY.
A	708 2210	Valve Ass'y.....	2
	29475	Section.....	4
	205149	Kit, Mounting.....	2
B	708 2211	Valve Ass'y.....	1
	29476	Section.....	1
	200900	Kit, Mounting.....	1
C	1219-860	Plug w/"O" ring.....	3
	1218-144	Ring, "O".....	3
D	1219-624	Plug w/"O" ring.....	3
	1218-34	Ring, "O".....	3
	A29309	Kit, Seal..... (Includes Items marked with Asterisk * for one section)	5
	Quantities for Items 1 thru 23 for one section		
1		Body & Spool Ass'y.....	1
3	26841	Washer.....	1
4	29620	Spring.....	1
5	26843	Solenoid, Less Coil.... (Incl. Items 6 thru 21)	1
6	26808	Plate, End.....	2
7	29595	Screw.....	8
8	29596	Case.....	2
9	26802	Spring.....	2
10	29597	Sleeve, Outer.....	2
11	29598	Sleeve, Inner.....	2
12	29599	Guide, Push Pin.....	2
13	29311	Ring, "O".....	2
14	29624	Pin, Push.....	2
15	29310	Ring, Quad.....	2
16	29602	Cone, Female.....	2
17	29311	Ring, "O".....	2
18	29312	Ring, "O".....	2
19	29603	Pin, Push.....	2
20	29605	Plunger.....	2
21	29607	Tube, Guide.....	2
22	24263	Coil.....	2
23	23291	Ring, "O".....	1
	29627	Ring, "O".....	1



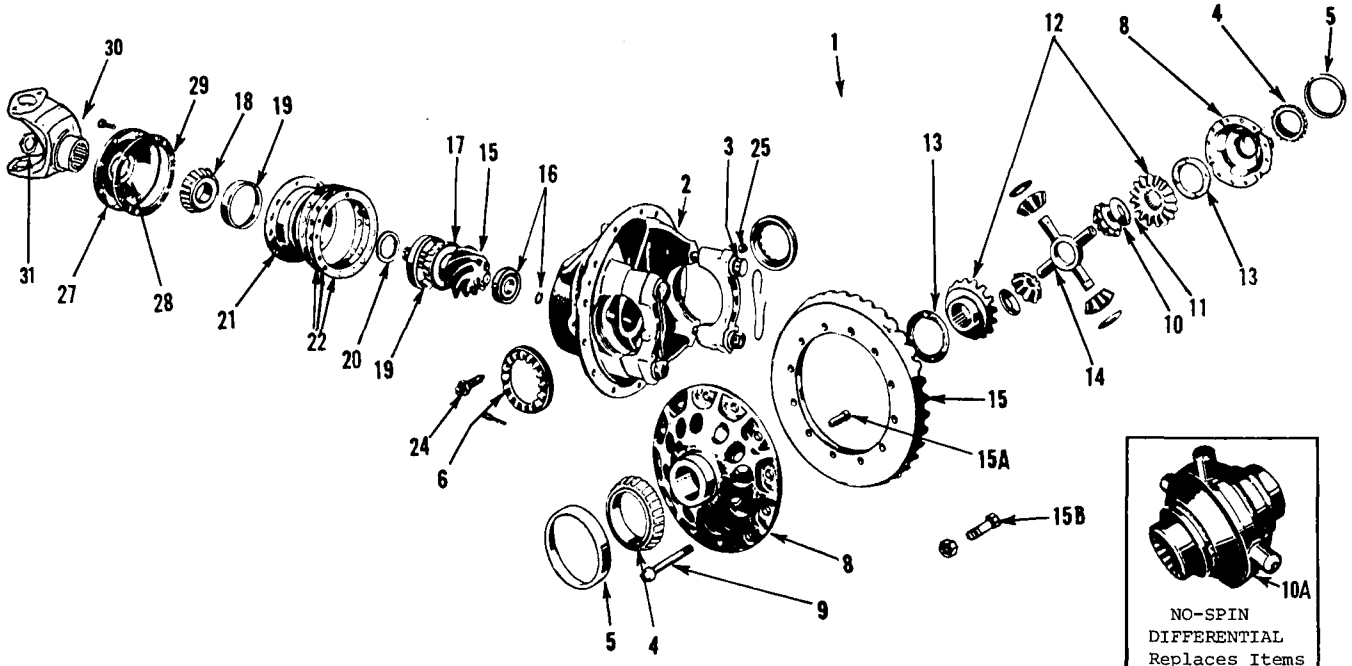
REF.	PART NO.	DESCRIPTION	QTY.
	Begin #90148		
	708 0400	Axle complete..... (Replaces 707 9005 Prior #61970) (Replaces 707 9673 used #61970 to #90148)	2
	708 0399	Axle, No-Spin complete. Opt. (Replaces 707 9674 used #61970 to #90148)	
1	23795	Breather.....	1
2	23857	Plug, Fill.....	1
3	202099	Housing..... (Incl. Items 1,2,4,5,19,20,21)	1
4	23792	Stud (Short).....	4
	23793	Stud (Long).....	10
5	23858	Plug, Drain.....	1
6	29363	Gasket (Silastic).....	2 Oz.
7	200585	Nut, Stud.....	14
8	23794	Washer.....	14
9	202100	Bolt, Clamp.....	2
	23852	Pin, Bolt Lock.....	2
10	202101	Yoke (12 Thd.).....	1
11	28909	Locknut.....	1
12	29577	Washer, Lock.....	4
13	202102	Nut.....	2
14	202103	Rod, Tie (2").....	1
15	202104	Yoke (16 Thd.).....	1
16	23854	Bolt.....	2
17	28160	Nut.....	2
18		Pin, Cotter.....	2
19	23801	Seal, Oil.....	2
20	24530	Bushing, Housing.....	2
21	23800	Bushing, King Pin.....	4



REF.	PART NO. Prior To #61970	PART NO. #61970- #90148	PART NO. Begin W/ #90148	DESCRIPTION	QTY.
	707 9005	707 9673	708 0400	Axle, Standard.....	2
		707 9674	708 0399	Axle, No-Spin.....	Opt.
1	29589			Capscrew.....	16
2	23855	203370	203370	Plug, Fill.....	4
3	29588			Cover, Spider.....	2
4	29363			Gasket (Silastic).....	2 Oz.
5		23846		Button, Thrust(Shaft)..	2
6		202097		Button, Thrust(Spider).	6
7	23842	203503	203503	Shaft, Pinion.....	6
		203504	203504	Setscrew.....	3
8	29587	203505	204643	Spider.....	2
9		29363 (Silastic)		Gasket (Repl. "O" Ring).	2 Oz.
10		23835		Ring, Snap.....	2
11		23833		Gear, Sun (20T).....	2
12	29586	203506	203506	Washer.....	2
13	205418			Lock, Nut.....	2
13A	Kit			Screw, Lock.....	4
14	29582			Nut.....	2
		203357	203357	Nut, Inner Adjust...	2
14A		203358	203358	Washer, Bearing Lock..	2
		203371	203371	Nut, Outer Lock.....	2
15		29585		Gear (52T).....	2
16	29581	203507	203507	Hub w/Sleeve, Ref. 21..	2
17		23826		Cone, Outer.....	2
18		23825		Cup, Outer.....	2
19	23856	203370	203370	Plug, Drain.....	2
20	202085	202085	204642	Hub w/Cups, Ref. 18....	2
21		N.S.S.		Sleeve, Hub.....	2
22		202087		Drum, Brake.....	2
23		23817		Cup, Inner.....	2
24		23818		Cone, Inner.....	2
25		202088		Capscrew.....	40
26		24649		Washer.....	40
27		23822		Stud.....	24

REF.	PART NO.	DESCRIPTION	QTY.
28	23823	Nut.....	24
29	23840	Washer, Thrust (Inner).	6
30	23839	Pinion (16T).....	6
31	23841	Washer, Thrust (Outer).	6
32	24923	Washer.....	32|32|60
33	23879	Capscrew.....	32|32|60
34	23815	Oil Seal Ass'y.....	2
35	23816	Ring, "O".....	2
36	29579 | 203508 | 203508	Spindle Ass'y.....	2
		(Includes Items 37,38)	
37	23813	Bushing.....	2
38	23814	Seal, Oil.....	2
39	202089	Capscrew, Outer.....	8
40	28899	Cap, Upper.....	2
41	A23805	Kit, Shim.....	1
43	23800	Bushing, King Pin...	4
44	28897	Plug, King Pin.....	4
45	23807	Capscrew, Inner.....	2
46	23853	Bushing.....	2
47	23852	Pin, Lock.....	2
48	202090	Universal Joint Ass'y.	2
49	202091	Stopscrew, Steering.	2
50	24621	Nut.....	2
51	23806	Washer, Thrust.....	2
52	28900	Cap, Lower.....	2
53	23807	Capscrew, Inner.....	2
54	202092	RH Knuckle Ass'y....	1
	202093	LH Knuckle Ass'y....	1
		(Includes Items 46,55)	
55	202094	Stud.....	24
56	202095	Washer.....	24
57	202096	Nut.....	24

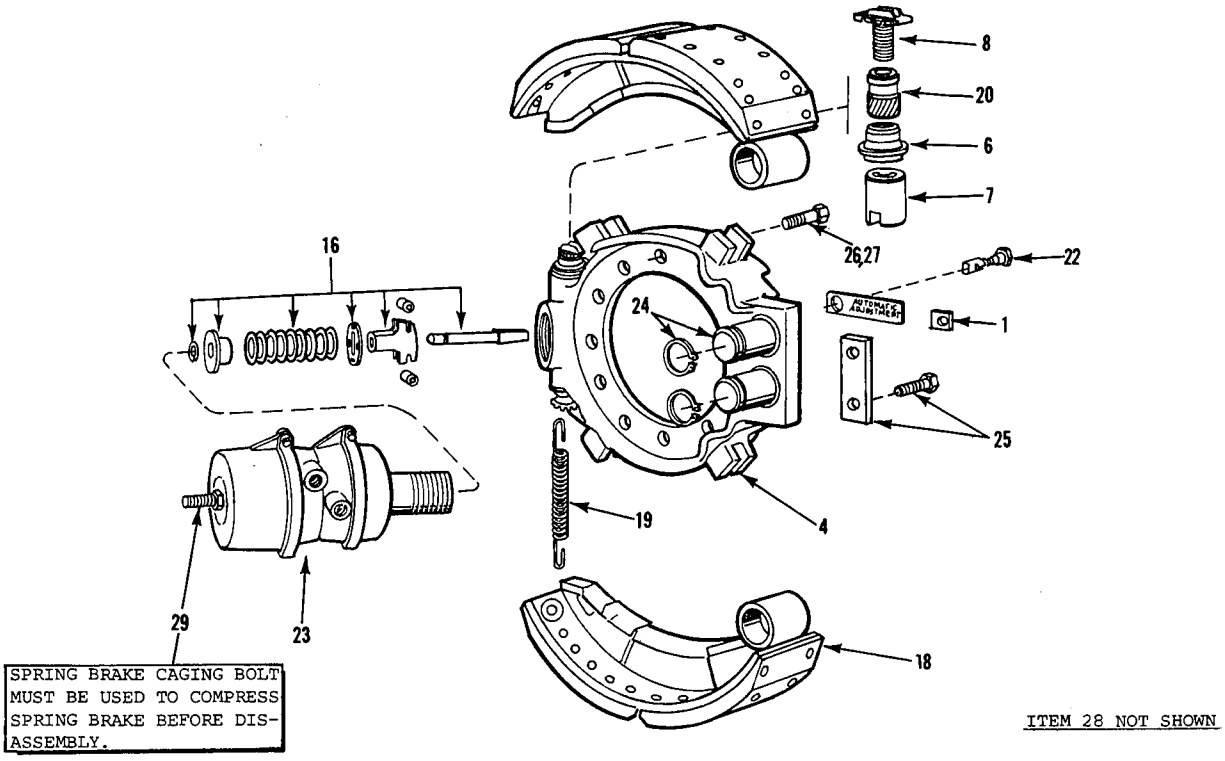
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED



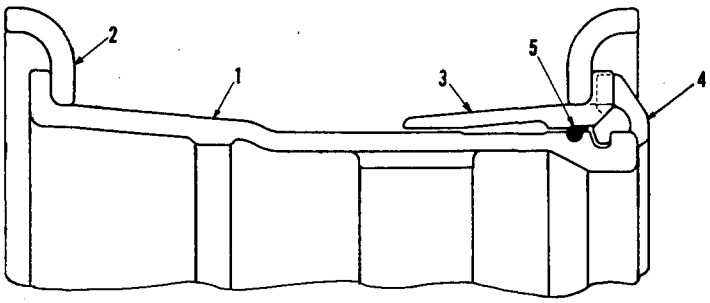
6.17:1 Differential
3.60:1 Planetary
22.20:1 Total

REF.	PART NO.	DESCRIPTION	QTY.
1	202105	Differential Carrier, St'd..	1
	204645	Differential Carrier, No-Spin (Includes Items 2 thru 31)	Opt.
2	23861	Carrier & Caps Ass'y...	1
3	202106	Capscrew.....	4
	202107	Washer.....	4
	28887	Dowel.....	4
4	9612	Cone.....	2
5	9588	Cup.....	2
6	23862	Ring, Adjusting.....	2
8	23863	Case Ass'y.....	1
9	28328	Capscrew, Short.....	4
	202108	Capscrew, Long.....	8
10	23867	Differential (Standard). (Incl. 10 thru 14, Serviced as Assembly only)	1
10A	204644	Differential (No-Spin) ...	Opt.
15	202109	Drive Gear & Pinion.... (6.17:1 ratio)	1
15A	24462	Rivet.....	12
15B	203513	Bolt (Replaces 202110)	12
	24649	Washer.....	12
	200585	Nut (Replaces 24579).....	12

REF.	PART NO.	DESCRIPTION	QTY.
16	23869	Bearing, Rear.....	1
	23870	Ring, Lock.....	1
17	23871	Cone, Inner.....	1
18	23872	Cone, Outer.....	1
19	23873	Cup, Inner & Outer.....	2
20	23874	Spacer (.445).....	1
	23875	Spacer (.477).....	1
21	23876	Cage w/Cups.....	1
22	A23877	Kit, Shim.....	1
24	24620	Screw.....	1
	24621	Nut.....	1
25	20283	Plug, Fill.....	1
27	23878	Cover, Cage, w/seal....	1
	23879	Capscrew.....	8
28	23880	Seal, Oil.....	1
29	23881	Gasket, Cover.....	1
30		Yoke (See Page 9.1).....	1
31	22257	Nut, Pinion.....	1
	20259	Washer.....	1



REF.	PART NO.	DESCRIPTION	QTY.
		Items 1 thru 27, Quantities Shown for One Brake Ass'y.	
1	202113	Lockplate.....	2
4	202114	Spider.....	1
6	202116	Seal Ass'y.....	2
7	202117	Plunger, Adjust (Auto).	2
8	202118	Adjust Bolt Ass'y.....	2
16	202119	Wedge Ass'y (15°).....	1
18	202121	Shoe & Lining Ass'y....	2
	202122	Kit, Lining.....	2
19	202123	Spring, Return.....	1
20	202124	Actuator.....	2
22	202125	Guide Pawl Ass'y.....	2
23	202126	Chamber, "Failsafe"....	1
	202127	Diaphragm only.....	1
24	202128	Pin, Anchor.....	2
	202129	Ring, Snap.....	2
25	202130	Link, Anchor.....	1
	202131	Lockscrew, Link.....	2
26	202132	Bolt (Spider to Knuckle)..	2
	23838	Washer, Lock.....	2
27	23493	Capscrew (Spider/Knuckle).	2
	23838	Washer, Lock.....	2
	23851	Nut.....	2
28	202133	Shield, Dust (LH Upper)..	1
	202134	Shield, Dust (LH Lower)..	1
	202135	Shield, Dust (RH Upper)..	1
	202136	Shield, Dust (RH Lower)..	1
	202137	Capscrew.....	6
29	202787	Bolt, Caging.....	4
	1222-266	Bag.....	1
	12260-855	Decal.....	1



REF.	PART NO.	DESCRIPTION	QTY.
1	707F9410	Wheel.....	1
2	707 9439	Flange.....	2
3	707 9440	Band, Bead Seat.....	1
4	707 9441	Ring, Lock, w/driver....	1
5	1218-145	Ring, "O".....	1
	707 9016	Tire, 18,00 x 25..... (20 Ply)	1
	38031	Valve, Tire.....	1

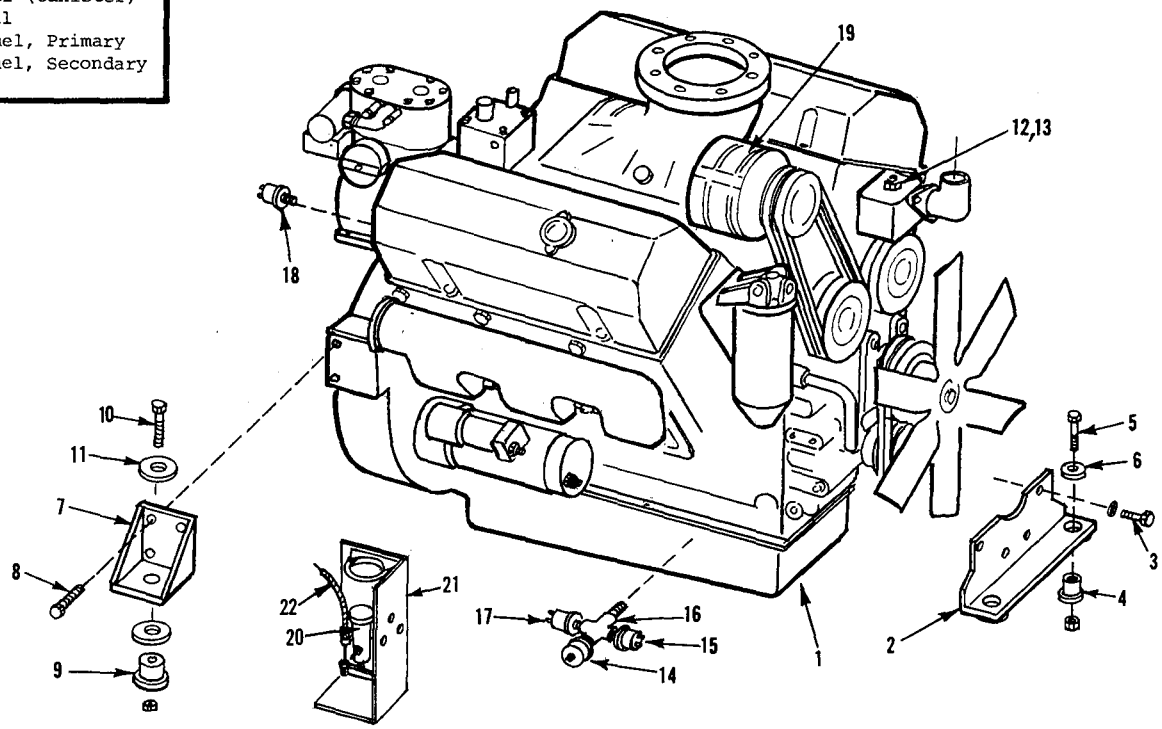
REF.	PART NO.	DESCRIPTION	QTY.	(Opt.)
1	707F9411	Wheel.....	1	
2	707 9439	Flange.....	2	
3	707 9440	Band, Bead Seat.....	1	
4	707 9441	Ring, Lock, w/driver....	1	
5	1218-145	Ring, "O".....	1	
	707 9017	Tire, 23.50 x 25..... (20 Ply)	1	
	38031	Valve, Tire.....	1	

REQUIRES KIT A202852 - INCLUDES AXLE SPACERS, STOPS, ITEMS 13 THRU 16, PAGE 2.1, & CAM, ITEM 24, PAGE 33.1.

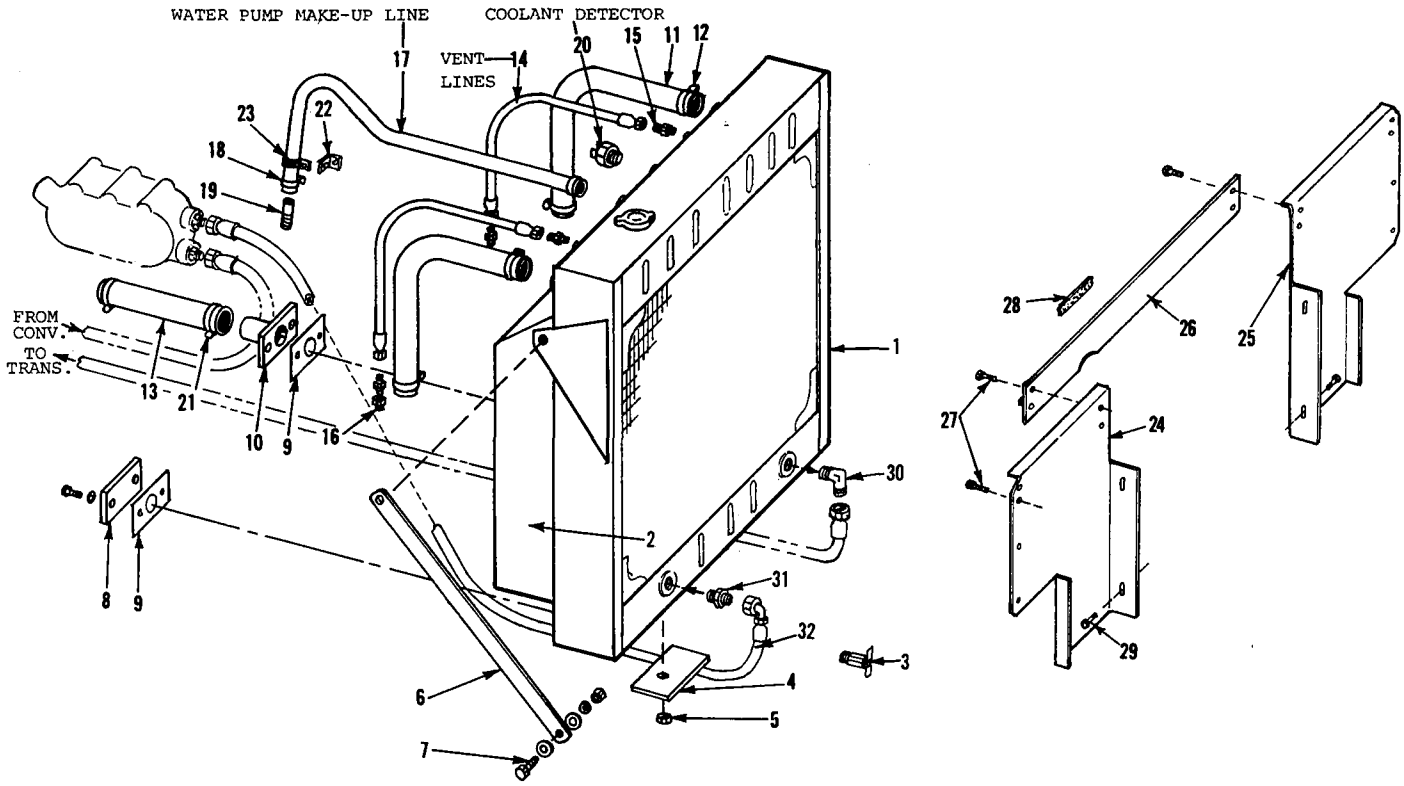
REF.	PART NO.	DESCRIPTION	QTY.	(Opt.)
1	707F9470	Wheel.....	1	
2	707 8932	Flange.....	2	
3	707 8933	Band, Bead Seat.....	1	
4	707 9441	Ring, Lock w/driver....	1	
5	1218-145	Ring, "O".....	1	
	707 9471	Tire, 26.50 x 25..... (20 Ply)	1	
	38031	Valve, Tire.....	1	

PART NO.	FILTER ELEMENT
13414	Oil (Canister)
*203690	Oil
*28982	Fuel, Primary
*202648	Fuel, Secondary

*Spin-On

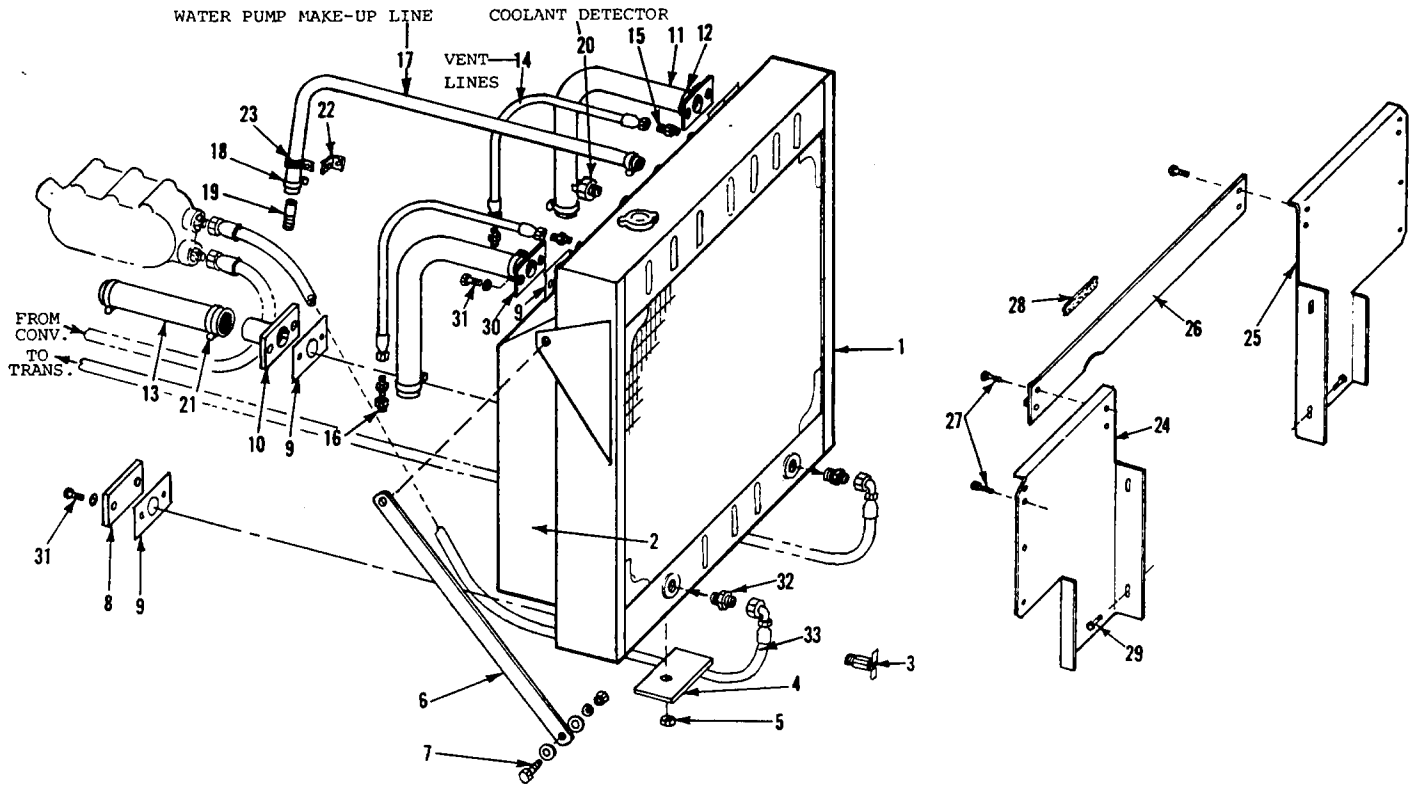


REF.	PART NO.	DESCRIPTION	QTY.
1	707 9002	Engine..... (D.D. 6V-53, Model 5063-5000, Refer to Detroit Diesel for Parts & Service)	1
2	707F9263	Mount (Prior #61478).....	1
	707F9582	Mount (Begin #61478).....	1
3	1203-48	Capscrew, 7/16C x 1....	4
	1210-23	Washer.....	4
4	1221-28	Bushing.....	2
5	1200-112	Capscrew, 1/2C x 3.....	2
	1205-67	Nut, 1/2C Elastic.....	2
6	40716	Retainer.....	2
7	707F9266	Mount (Prior #61478).....	2
	707F9567	Mount (Begin #61478).....	2
8	1200-100	Capscrew, 1/2C x 1-1/2.	8
	1210-26	Washer, Lock, 1/2.....	8
9	1221-29	Bushing.....	2
10	1200-162	Capscrew, 5/8C x 3-3/4.	2
	1205-90	Nut, 5/8C Elastic.....	2
11	37886	Retainer.....	2
12	1245-81	Sender, Temperature....	1
13	1223-452	Switch, Temperature....	2
14	1245-38	Sender, Oil Pressure...	1
15	1223-450	Switch, Oil Pressure...	1
16	1219-116	Bushing.....	1
	12019-300	Cross.....	1
17	1223-16	Switch, Oil Pressure...	1
18	1223-576	Switch, Oil Pressure...	1
19	51024	Alternator (55 Amp).....	1
	705 2815	Alternator (61 Amp).....	1
	1200-350	Capscrew, Adjust (Metric).	1
	1205-210	Nut, Terminal (Metric)....	1
20	18715	Starting Aid Kit.....	1
21	707F6317	Bracket.....	1
	1211-21	Screw.....	3
22	1222-5	Cable.....	1



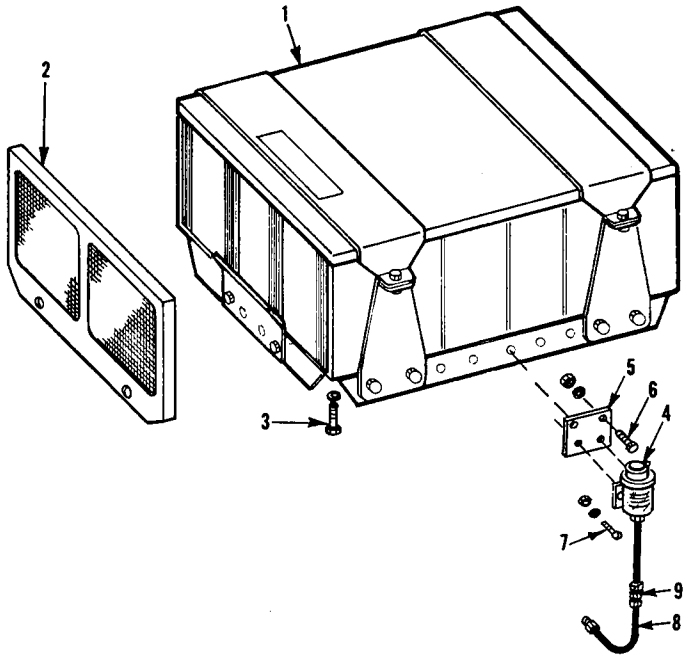
REF.	PART NO.	DESCRIPTION	QTY.
1	707 7007	Radiator (Prior #61136)...	1
	707 9501	Radiator w/Cooler.....	1
		(Begin Ser. #61136)	
	200501	Cap, Radiator.....	1
2	707 9042	Shroud.....	1
3	1219-384	Valve, Drain.....	1
4	42439	Pad.....	2
5	1205-90	Nut.....	2
6	707 9247	Strap.....	2
7	1200-59	Capscrew, 3/8C x 1.....	4
	1205-45	Nut, 3/8C Elastic.....	4
8	707 7493	Plate, Cover.....	1
9	707 7492	Gasket.....	2
10	707 9244	Adapter, Outlet.....	1
11	707 9246	Hose, Upper.....	2
12	1240-76	Clamp.....	4
13	1244-47	Hose, Lower.....	1
14	707A9059	Hose Ass'y.....	2
15	12019-60	Adapter.....	4
16	1219-214	Bushing, Reducing.....	4

REF.	PART NO.	DESCRIPTION	QTY.
17	12216-36	Hose.....	1
18	1240-12	Clamp.....	2
19	707 7126	Nipple.....	1
20	1245-134	Detector, Coolant.....	1
21	1240-77	Clamp.....	2
22	707 9445	Bracket.....	1
23	1240-92	Clamp.....	1
	1200-29	Capscrew, 5/16C x 3/4..	1
	1205-25	Nut, 5/16C.....	1
24	707F9448	Baffle.....	1
25	707F9450	Baffle.....	1
26	707 9455	Plate.....	1
27	1200-29	Capscrew, 5/16C x 3/4..	12
	1210-17	Washer, Lock, 5/16.....	12
28	1221-10	Rubber, Foam.....	84"
29	1200-57	Capscrew, 3/8C x 3/4...	4
	1210-20	Washer, Lock, 3/8.....	4
30	1219-287	Adapter, 90°.....	1
31	1219-646	Adapter.....	1
32	707A9564	Hose Ass'y (Begin #61136)..	1

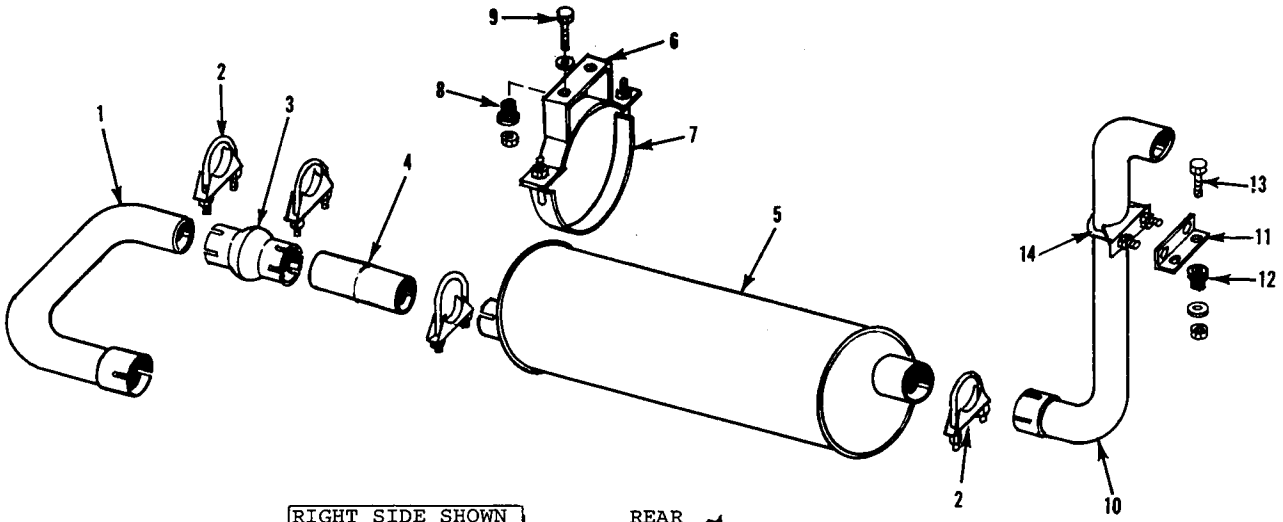


REF.	PART NO.	DESCRIPTION	QTY.
1	707 9579	Radiator w/Cooler	1
	200501	Cap, Radiator	1
2	707 9584	Shroud	1
	707 9581	Plate, Adjustable	1
3	1219-384	Valve, Drain	1
4	42439	Pad	2
5	1205-90	Nut	2
6	707 9247	Strap	2
7	1200-59	Capscrew, 3/8C x 1	4
	1205-45	Nut, 3/8C Elastic	4
8	707 7493	Plate, Cover	1
9	707 7492	Gasket	4
10	707 7045	Adapter, Outlet (2")	1
11	1244-181	Hose, Upper	2
12	1240-76	Clamp	4
13	1244-187	Hose, Lower	1
14	707A9702	Hose Ass'y (20") Repl.Two	1
	707A9703	Hose Ass'y (30") 707A9578	1
15	12019-60	Adapter	4
16	1219-214	Bushing, Reducing	4
17	12216-40	Hose	1
18	1240-12	Clamp	2
19	707 7126	Nipple	1

REF.	PART NO.	DESCRIPTION	QTY.
20	1245-134	Detector, Coolant	1
21	1240-77	Clamp	2
22	707 9445	Bracket	1
23	1240-92	Clamp	1
	1200-29	Capscrew, 5/16C x 3/4	1
	1205-25	Nut, 5/16C	1
24	707F9448	Baffle	1
25	707F9450	Baffle	1
26	707 9624	Plate	1
27	1200-29	Capscrew, 5/16C x 3/4	12
	1210-17	Washer, Lock, 5/16	12
28	1221-10	Rubber, Foam	84"
29	1200-57	Capscrew, 3/8C x 3/4	4
	1210-20	Washer, Lock, 3/8	4
30	707 7825	Adapter, Inlet (1-1/2")	2
31	1200-311	Capscrew, 7/16C x 1	8
	1210-23	Washer, Lock, 7/16	8
32	1219-480	Adapter	2
33	707A9564	Hose Ass'y	1

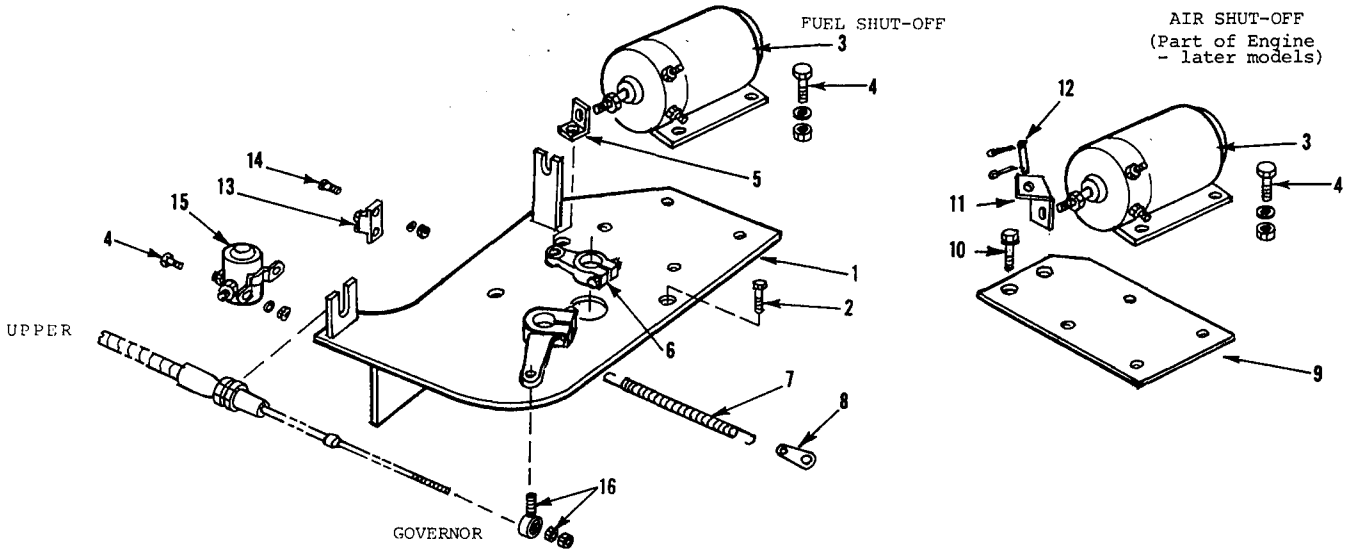


REF.	PART NO.	DESCRIPTION	QTY.
1	1243-83	Air Cleaner	1
	28727	Filter, Dynacell (only)	1
2	1243-86	Screen, Intake	1
3	1200-57	Capscrew, 3/8C x 3/4	8
	1210-20	Washer, Lock, 3/8	8
4	1243-89	Indicator, Restriction	1
5	707 6653	Plate	1
6	1200-29	Capscrew, 5/16C x 3/4	2
	1210-17	Washer, Lock, 5/16	2
	1205-25	Nut, 5/16C	2
7	1233-10	Screw, Machine	2
	1210-5	Washer, Lock	2
	1205-3	Nut	2
8	12185-15	Hose	1
9	1219-43	Bushing	1



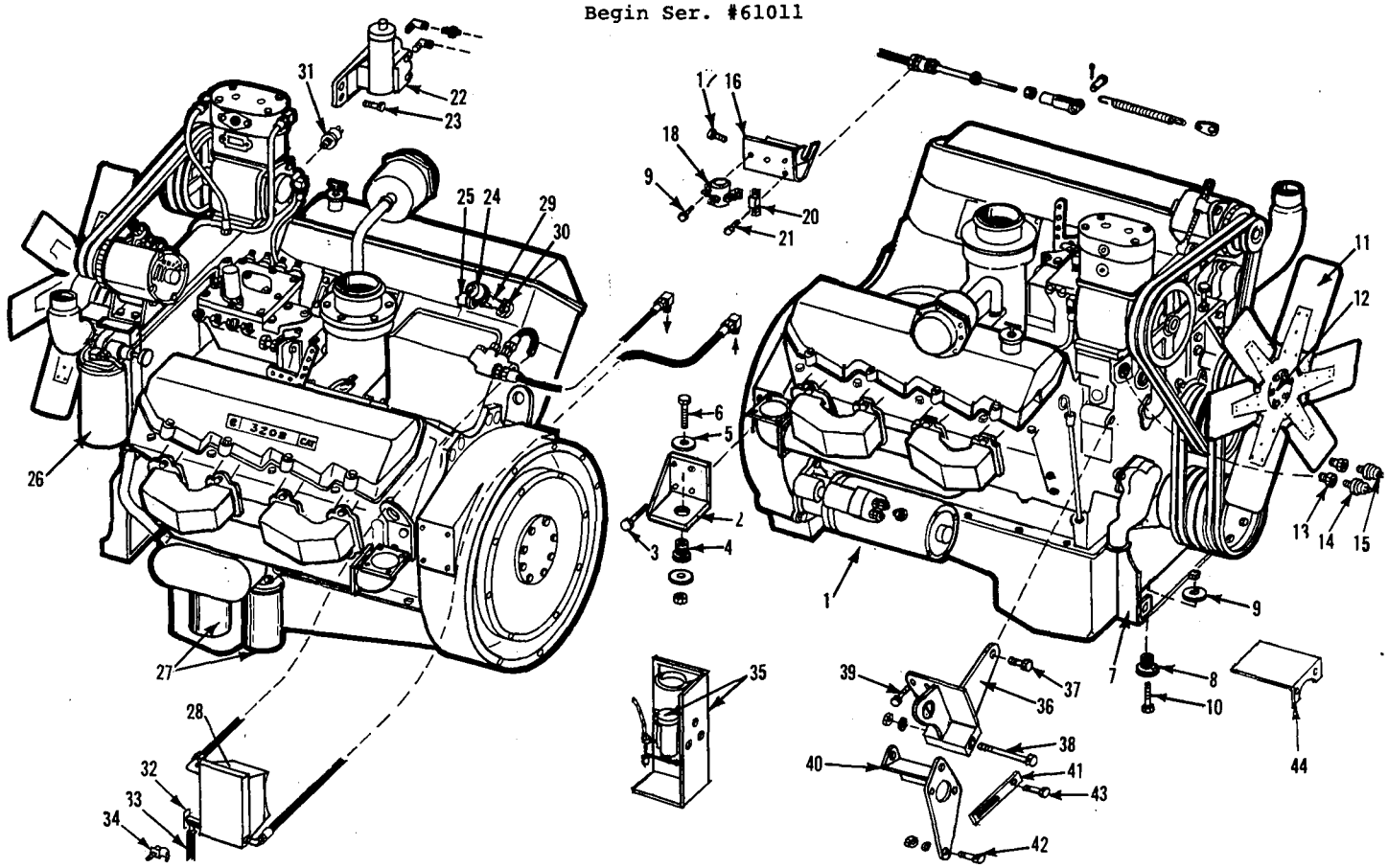
RIGHT SIDE SHOWN
(Quantities shown for both sides)

REF.	PART NO.	DESCRIPTION	QTY.
1	707F9312	Pipe, RH (Shown).....	1
	707F9314	Pipe, LH.....	1
2	1240-98	Clamp.....	8
3	12019-383	Joint.....	2
4	707 9321	Tube.....	2
5	1256-68	Muffler.....	2
6	707F9328	Bracket.....	4
7	707F9331	Strap.....	4
	1205-32	Nut, 5/16C self-locking..	8
8	1221-77	Mount, Rubber.....	4
9	1200-61	Capscrew, 3/8C x 1-1/4.	8
	1209-4	Washer, Plain.....	8
	1205-43	Nut, 3/8C Elastic.....	8
10	707 9322	Tube.....	2
11	707 9299	Angle.....	2
12	1221-22	Mount, Rubber.....	4
13	1200-63	Capscrew, 3/8C x 1-1/2.	4
	1209-4	Washer, Plain.....	4
	1205-43	Nut, 3/8C Elastic.....	4
14	1240-8	Clamp.....	2



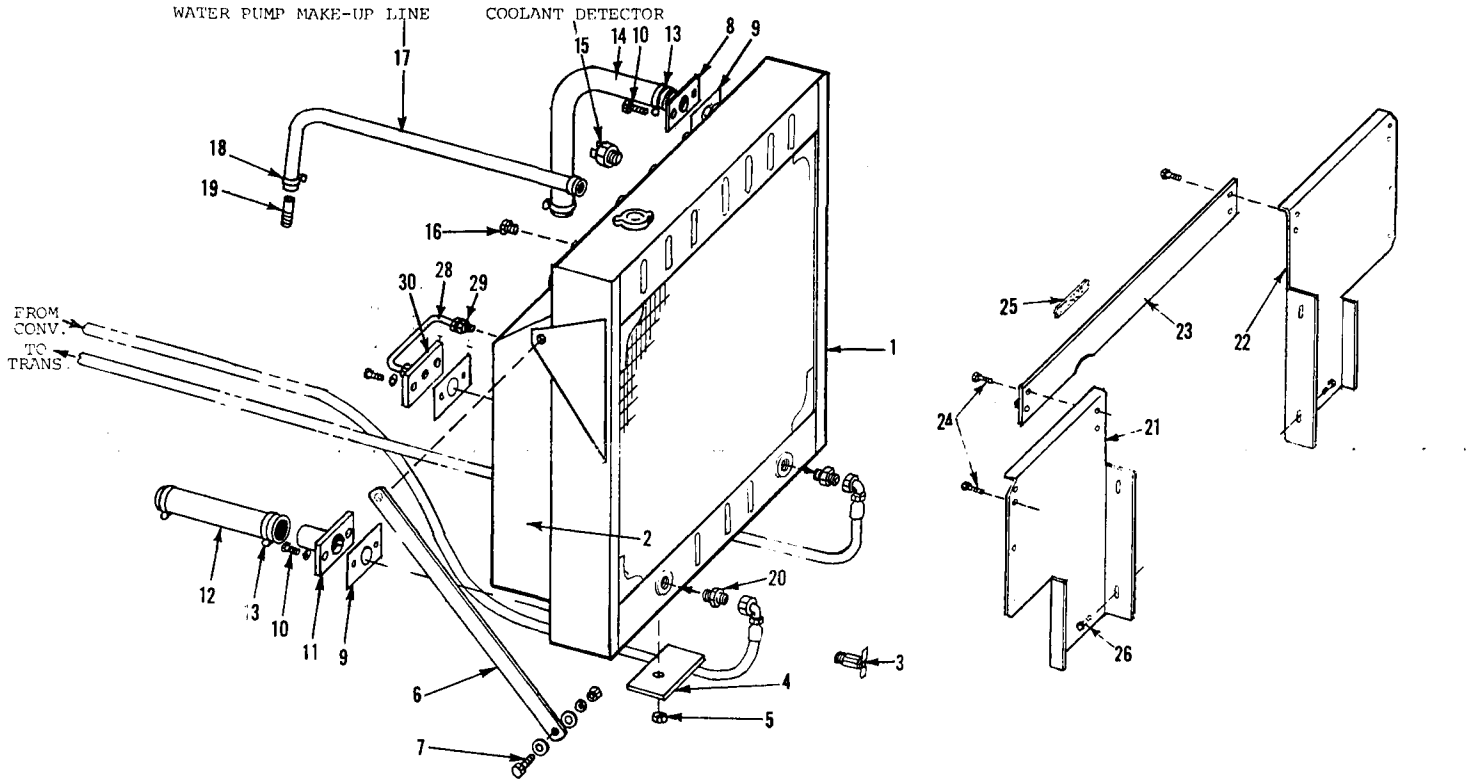
REF.	PART NO.	DESCRIPTION	QTY.	
1	707F7109	Bracket.....	1	
2	1200-3	Capscrew, 1/4C x 1.....	5	
	1210-14	Washer, Lock, 1/4.....	5	
3	1246-6	Solenoid.....	2	As Req'd.
4	1200-2	Capscrew, 1/4F x 3/4...	10	As Req'd.
	1230-8	Keps, 1/4F.....	10	As Req'd.
5	1246-8	Bracket.....	1	
	1205-18	Nut, 1/4F Jam.....	2	
6	1246-7	Lever (Fuel Shut-Off)..	1	
7	6422	Spring.....	1	
8	8904	Hook, Spring.....	1	
9	707 9358	Plate.....	1	As Req'd.
10	1200-57	Capscrew, 3/8C x 3/4...	2	As Req'd.
	1210-20	Washer, Lock, 3/8.....	2	As Req'd.
11	707 9269	Bracket.....	1	As Req'd.
12	707 9271	Pin.....	1	As Req'd.
	1207-3	Pin, Cotter.....	2	As Req'd.
13	1223-443	Breaker, Circuit.....	1	
14	1202-4	Bolt, Stove.....	2	
	1230-7	Keps.....	2	
15	1246-2	Solenoid, Starter.....	1	
16	1222-240	Rod End.....	1	
	1205-14	Nut, 1/4F.....	2	

Begin Ser. #61011

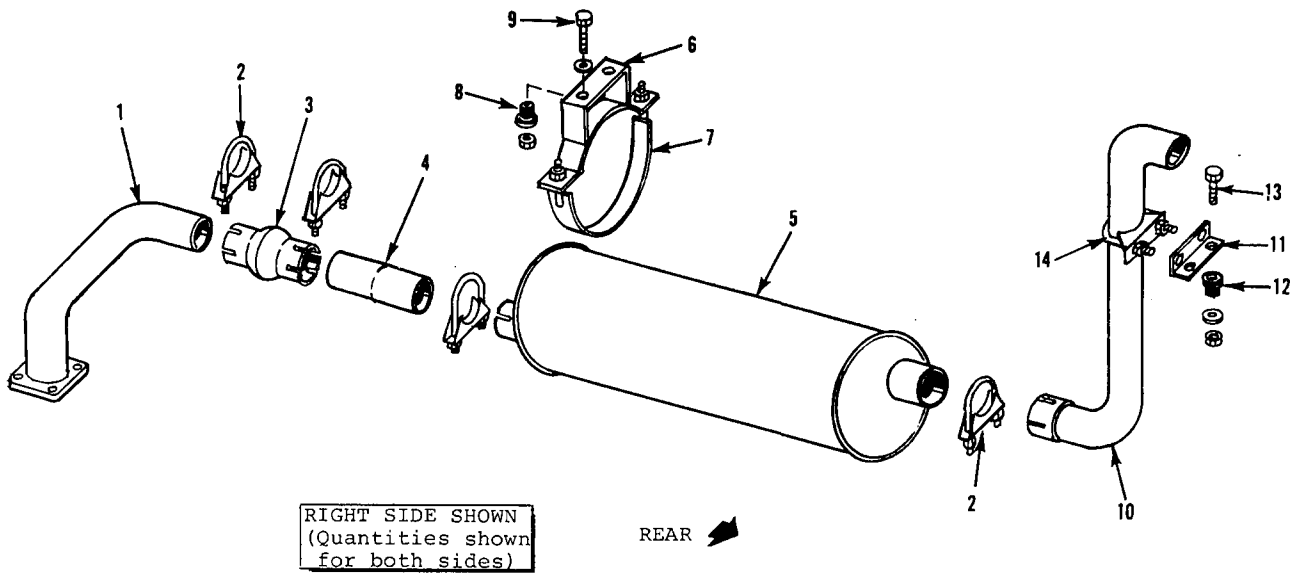


REF.	PART NO.	DESCRIPTION	QTY.
1	707 9503	Engine..... (Caterpillar 3208 - Refer to 'Cat' for Parts & Service)	1
2	707F9530	Bracket (Shown).....	1
	707F9525	Bracket.....	1
3	1200-100	Capscrew, 1/2C x 1-1/2.	8
4	1221-29	Bushing.....	2
5	37886	Retainer.....	2
6	1200-162	Capscrew, 5/8C x 3-3/4.	2
	1205-90	Nut, 5/8C Elastic.....	2
7	707 9591	Mount, Front.....	1
8	1221-28	Bushing.....	2
9	40716	Retainer.....	2
10	1200-112	Capscrew, 1/2C x 3.....	2
	1205-67	Nut, 1/2C Elastic.....	2
11	707 9666	Fan, 6 Blade.....	1
12	707 9665	Spacer, Fan.....	1
	1200-63	Capscrew, 3/8C x 1-1/2.	6
13	1219-214	Bushing.....	2
14	1245-122	Sender, Temperature....	1
15	1223-452	Switch, Temperature....	1
16	707F9531	Bracket, Throttle.....	1
17	1200-59	Capscrew, 3/8C x 1.....	2
18	1246-2	Solenoid, Start.....	1
19	1200-2	Capscrew, 1/4F x 3/4...	6
	1230-8	Keps.....	6
20	1223-443	Breaker, Circuit.....	1
21	1202-4	Bolt, Stove.....	2
	1230-7	Keps.....	2
22	1219-574	Governor, Air.....	1
23	1200-47	Capscrew, 5/16C x 3....	1
24	1245-142	Sender, Oil Pressure...	1
25	1223-450	Switch, Pressure.....	1

REF.	PART NO.	DESCRIPTION	QTY.
26	202911	Element, Fuel Filter...	1
27	202913	Element, Oil Filter....	2
28	202912	Element, Water Separator..	1
29	1219-313	Tee.....	1
30	1219-43	Bushing.....	3
31	1223-576	Switch, Pressure (NC)..	2
32	12019-456	Valve, Needle.....	1
33	1264-26	Tube, Drain.....	1
34	1240-10	Clamp.....	1
	1211-23	Screw.....	1
35	707 6978	Starting Aid.....	1
	707F6317	Bracket.....	1
36	707F9617	Bracket.....	1
	1214-59	Bushing, For Above.....	2
37	1200-63	Capscrew, 3/8C x 1-1/2.	1
	1210-20	Washer, Lock, 3/8.....	1
38	1200-128	Capscrew, 1/2C x 5-1/2.	1
	1210-26	Washer, Lock, 1/2.....	1
	1205-58	Nut, 1/2C.....	1
39	1203-55	Capscrew, 7/16C x 1-1/4.	3
	1210-23	Washer, Lock, 7/16.....	3
40	707F9511	Bracket, Pump.....	1
41	707 9622	Plate, Adjustment.....	1
42	1200-102	Capscrew, 1/2C x 1-3/4.	1
	1210-26	Washer, Lock, 1/2.....	1
	1209-6	Washer, Plain, 1/2.....	1
	1205-58	Nut, 1/2C.....	1
43	1200-106	Capscrew, 1/2C x 2-1/4.	1
	1210-26	Washer, Lock, 1/2.....	1
	1205-58	Nut, 1/2C.....	1
44	707 9704	Plate (LH Exhaust, Harness).	1

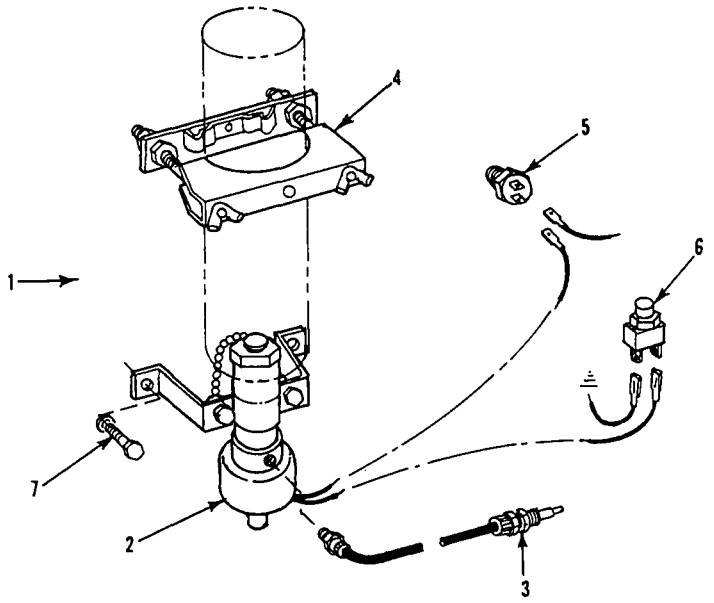


REF.	PART NO.	DESCRIPTION	QTY.
1	707 9579	Radiator w/Cooler	1
	200501	Cap, Radiator	1
2	707 9580	Shroud	1
3	1219-384	Valve, Drain	1
4	42439	Pad	2
5	1205-90	Nut	2
6	707 9247	Strap	2
7	1200-59	Capscrew, 3/8C x 1	2
	1205-45	Nut, 3/8C Elastic	2
8	707 7493	Plate, Cover	1
9	707 7492	Gasket	4
10	1200-311	Capscrew, 7/16C x 1	8
	1210-23	Washer, Lock, 7/16	8
11	707 7045	Adapter (2")	2
12	1244-111	Hose, Lower	1
13	1240-77	Clamp	4
14	1244-198	Hose, Upper	1
15	1245-134	Detector, Coolant	1
16	1219-551	Plug	2
17	12216-40	Hose	1
18	1240-12	Clamp	2
19	15336	Nipple	1
20	1219-480	Adapter	2
21	707F9448	Baffle	1
22	707F9450	Baffle	1
23	707 9624	Plate	1
24	1200-29	Capscrew, 5/16C x 3/4	10
	1210-17	Washer, Lock, 5/16	10
25	1221-10	Rubber, Foam	84"
26	1200-1	Capscrew, 1/4C x 3/4	8
	1210-14	Washer, Lock, 1/4	8
27	1203-147	Capscrew, 1/2C x 1-1/4 nylok	2
	1205-48	Nut, 1/2C	2
28	707 7 83	Tube Assembly	1
29	1219 13	Adapter	2
30	707 8081	Adapter	1

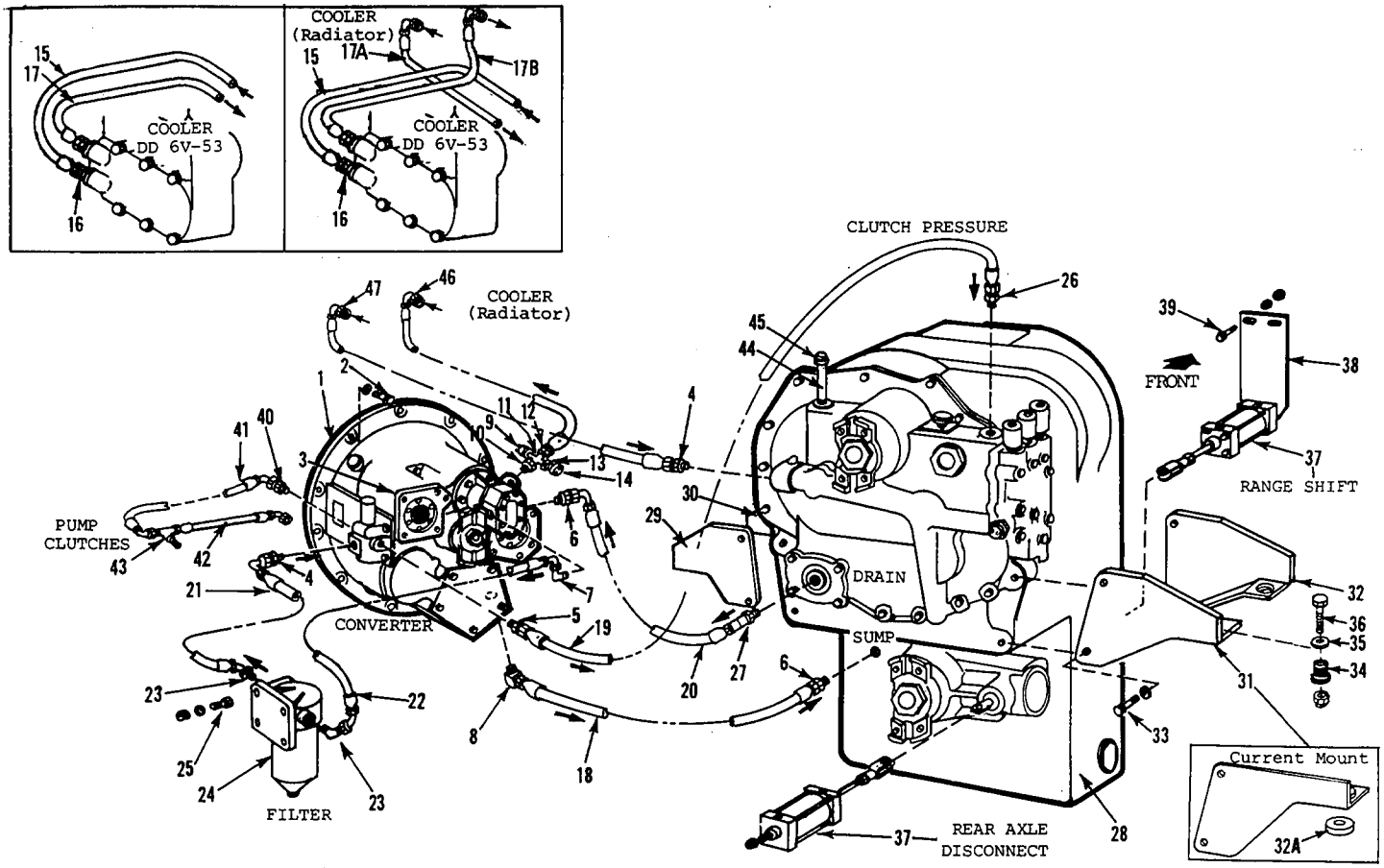


REF.	PART NO.	DESCRIPTION	QTY.
1	707F9545	Pipe, RH (Shown).....	1
	707F9535	Pipe, LH.....	1
	707 9547	Gasket, For Above.....	2
2	1240-98	Clamp.....	8
3	12019-383	Joint.....	2
4	707 9321	Tube.....	2
5	1256-68	Muffler.....	2
6	707F9328	Bracket.....	4
7	707F9331	Strap.....	4
	1210-17	Washer, Lock, 5/16.....	8
	1205-25	Nut, 5/16C.....	8
8	1221-77	Mount, Rubber.....	8
9	1200-61	Capscrew, 3/8C x 1-1/4.	8
	1209-4	Washer, Plain, 3/8.....	8
	1210-20	Washer, Lock, 3/8.....	8
	1205-36	Nut, 3/8C.....	8
10	707 9322	Tube.....	2
11	707 9299	Angle.....	2
12	1221-22	Mount, Rubber.....	4
13	1200-63	Capscrew, 3/8C x 1-1/2.	4
	1205-36	Nut, 3/8C.....	4
14	1240-8	Clamp.....	2

Begin Ser. #90175



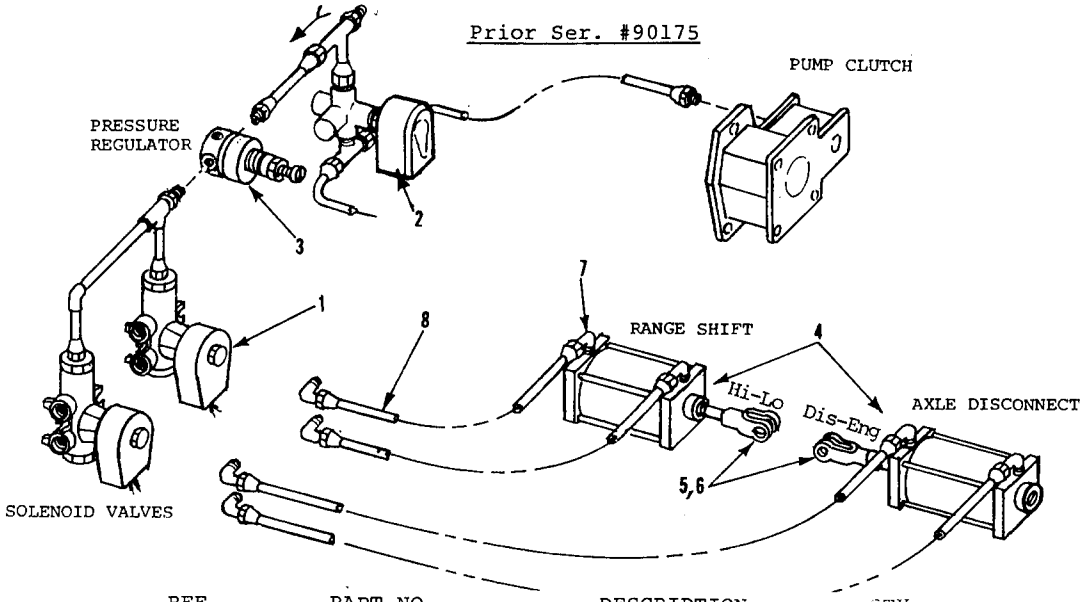
REF.	PART NO. Cummins VT-225	PART NO. CAT 3208	DESCRIPTION	QTY	Turner #
	708A2236	706A8768	Starting Aid Ass'y..... (Includes Items 1 thru 7)	Opt.	
1	706 8762	706 8763	Starting Aid Kit..... (Includes Items 2 thru 6)	1	
2			Valve, 12v.....	1	6cc/QS-4-3TC | 3cc/QS-4-1TC
3			Atomizer.....	1	180° Long
4			Clamp.....	1	LP-2299
5			Thermostat.....	1	QS-1190-2 100°NC
6			Switch.....	1	LP-1330
7	1200-314	1200-314	Capscrew, 5/16C x 5/8..	2	
	1210-17	1210-17	Washer, Lock.....	2	



REF.	PART NO.	DESCRIPTION	QTY.
1	707 9011	Converter.....	1
2	1200-63	Capscrew, 3/8C x 1-1/2.	12
	1210-20	Washer, Lock, 3/8.....	12
3	707 9104	Adapter, Converter.....	1
4	1219-389	Adapter w/"O" ring.....	2
	1218-64	Ring, "O".....	2
5	1219-441	Adapter w/"O" ring.....	1
	1218-34	Ring, "O".....	1
6	1219-387	Adapter.....	2
7	1219-765	Adapter, 45°.....	2
8	1219-286	Adapter, 90°.....	1
9	1245-119	Sender, Temperature....	1
10	1219-607	Adapter.....	1
11	12019-131	Cross.....	1
12	1219-480	Adapter.....	1
13	1219-71	Bushing.....	1
14	1223-464	Switch, Temperature....	1
15	707A9094	Hose Ass'y.....	1
16	1219-480	Adapter.....	1
17	707A9095	Hose Ass'y (Prior #61136).	1
17A	707A9565	Hose Ass'y (#61136-61481).	1
	707A9602	Hose Ass'y (Begin #61481).	1
17B	707A9564	Hose Ass'y (Begin #61136).	1
18	707A9090	Hose Ass'y.....	1
19	707A9096	Hose Ass'y.....	1
20	707A9091	Hose Ass'y.....	1
21	707A9093	Hose Ass'y.....	1
22	707A9092	Hose Ass'y.....	1
23	1219-802	Adapter w/"O" ring.....	2
	1218-64	Ring, "O".....	2
24	707 9402	Filter.....	1
	202313	Element only.....	1
25	1200-63	Capscrew, 3/8C x 1-1/2.	4
	1210-20	Washer, Lock, 3/8.....	4
	1205-36	Nut, 3/8C.....	4

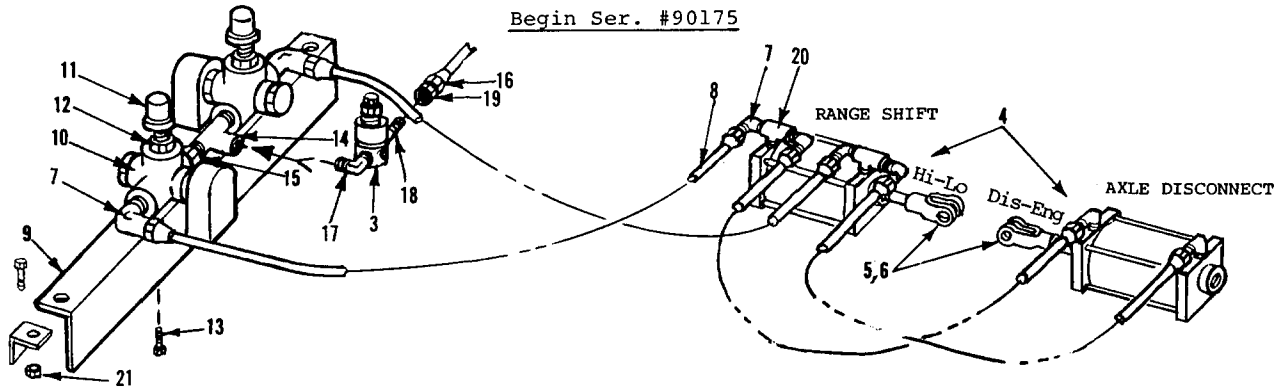
REF.	PART NO.	DESCRIPTION	QTY.
26	1219-470	Adapter w/"O" ring...	1
	1218-34	Ring, "O".....	1
27	1219-680	Adapter w/"O" ring...	1
	1218-65	Ring, "O".....	1
28	707 9012	Transmission (Page 7.6).	1
29	707F9291 | 707F9658	Mount, LH Rear.....	1
30	707F9294 | 707F9659	Mount, LH Front.....	1
31	707F9288 | 707F9660	Mount, RH Rear.....	1
32	707F9296 | 707F9661	Mount, RH Front.....	1
32A	| 707 9668	Spacer, Mounts..... (Not Req'd. w/26.5 Tires) (Use with current mounts to replace early mounts)	4
33	1200-186	Capscrew,3/4Cx1-3/4...	8
	1210-38	Washer, Lock, 3/4....	8
34	1221-28	Mount, Rubber.....	4
35	40716	Retainer.....	4
36	1200-112 | 1200-118	Capscrew,1/2Cx3/3 3/4.	4
	1205-67	Nut, 1/2C Elastic....	4
37	707 9021	Cylinder.....	2
	202311	Kit, Repair.....	2
38	707 9370 | 707 9663	Plate.....	1
39	1200-61	Capscrew, 3/8C x 1-1/4.	1
	1210-20	Washer, Lock, 3/8....	1
	1205-36	Nut, 3/8C.....	1
40	1219-685	Adapter.....	1
41	707A9447	Hose Ass'y.....	1
42	707A9446	Hose Ass'y.....	1
43	12019-439	Tee.....	1
44	12019-431	Nipple.....	1
45	12019-454	Cap (Fill).....	1
46	707A9667	Hose Ass'y(Repl 707A9559)	1
47	707A9667	Hose Ass'y(Repl 707A9575)	1

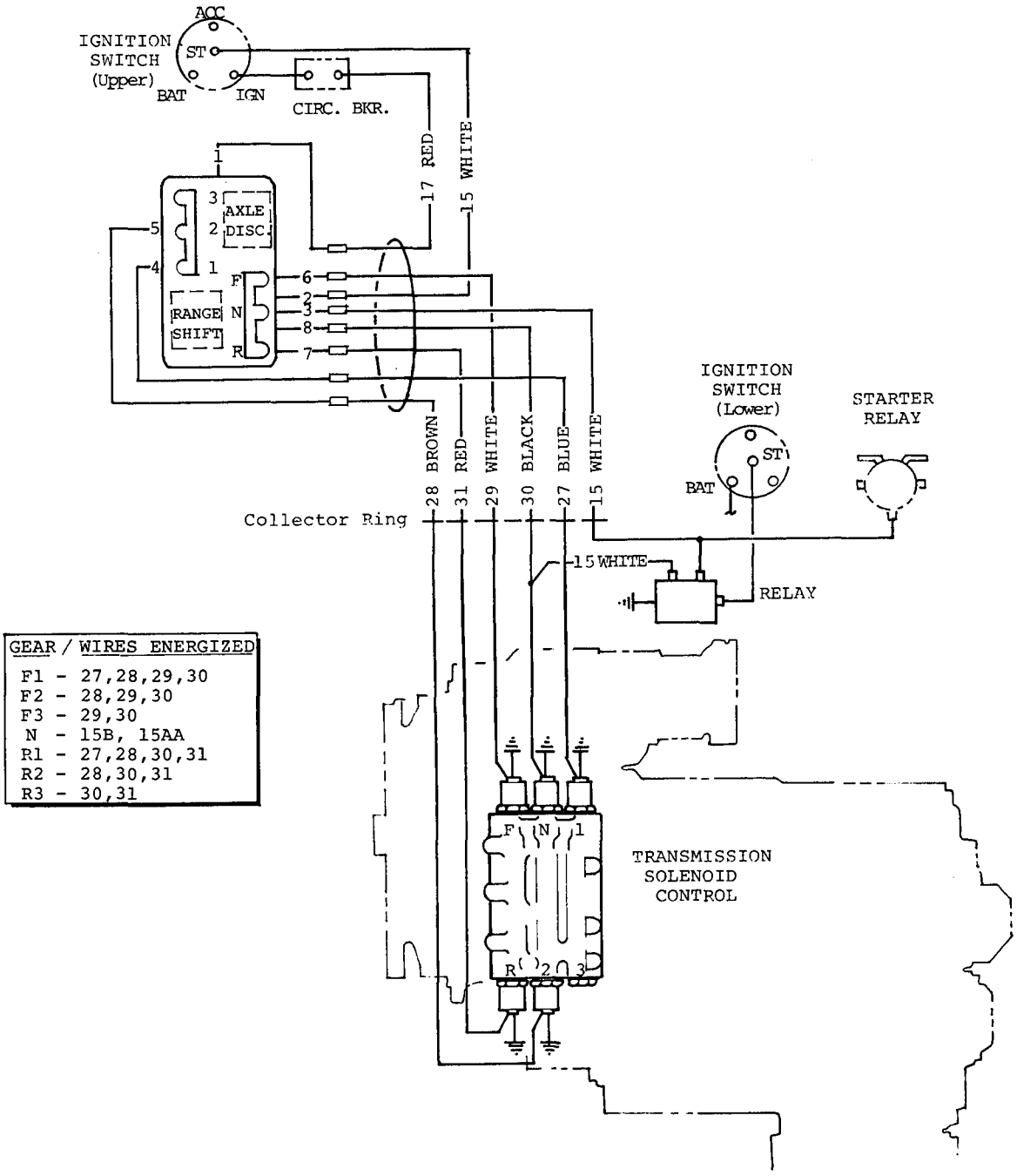
Prior Ser. #90175

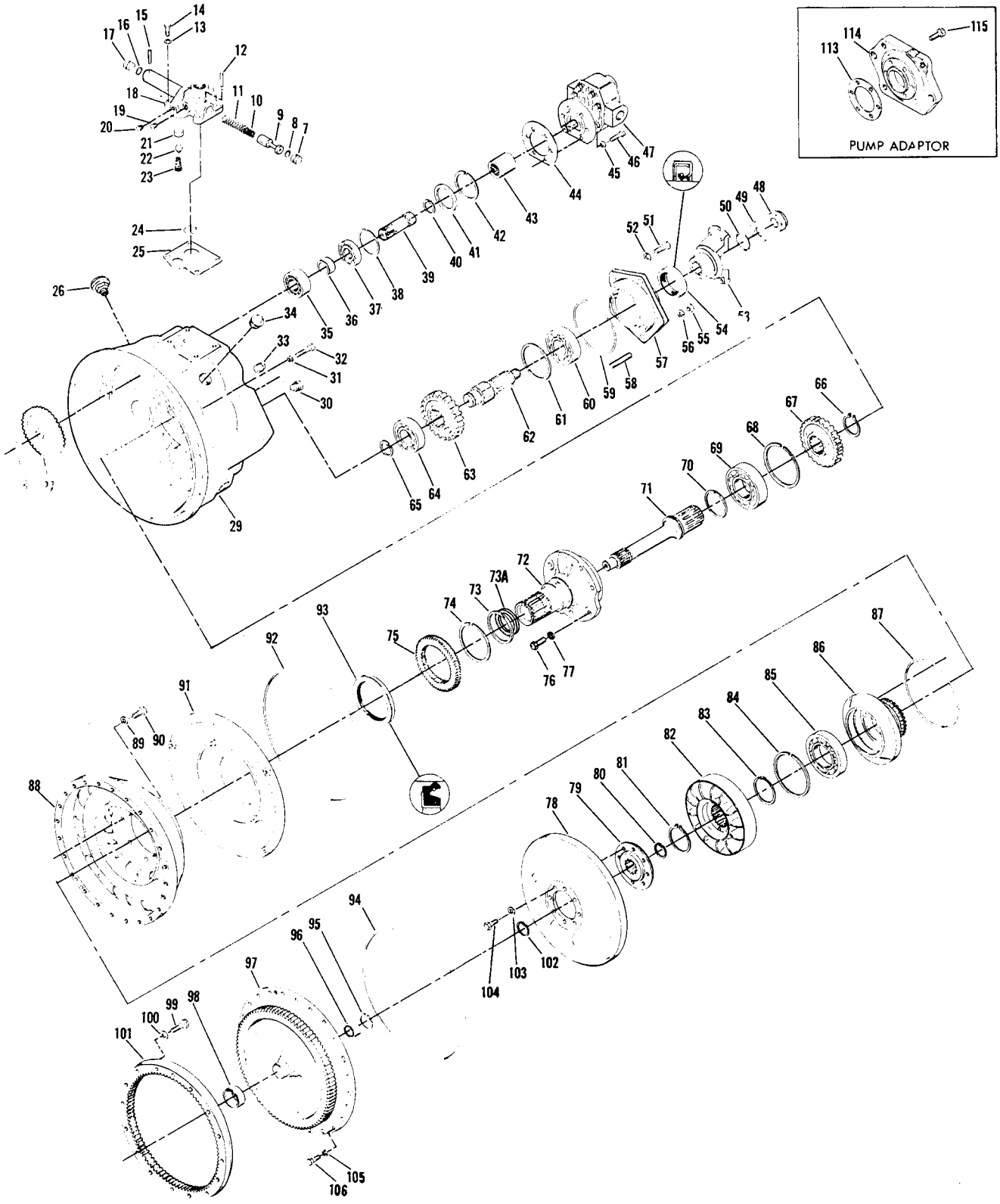


REF.	PART NO. Prior Ser. #90175	PART NO. Begin Ser. #90175	DESCRIPTION	QTY.
	707 9006		Valve Ass'y..... (Incl. Items 1,2,3 - For Hydraulic Pump Disconnect)	1
	707 9700		Valve Ass'y..... (Incl. Items 1,3 - For Mechanical Pump Disconnect)	1
1	25557		Valve, Solenoid (4-Way)..	2
2	25410		Valve, Solenoid (N.C.)...	1
3	27217	27217	Regulator, Pressure....	1
4	707 9021	707 9021	Cylinder, Air.....	2
5	3118	3118	Yoke.....	2
	1205-40	1205-40	Nut.....	2
6	3119	3119	Pin.....	2
	1207-4	1207-4	Pin, Cotter.....	2
7	12019-418	12019-418	Elbow.....As Req'd.	
8	12202-XX"	12202-XX"	Tube.....As Req'd.	
9		706 8547	Angle.....	1
10		708 2899	Valve, Solenoid (3-Way)..	2
11		1213-30	Muffler.....	2
12		1219-43	Bushing.....	2
13		1211-1	Screw, #10F.....	4
14		1219-313	Tee.....	3
15		1219-954	Adapter.....	1
16		12019-393	Fitting, Straight.....	1
17		12019-174	Elbow.....	1
18		1219-512	Nipple.....	1
19		1219-359	Bushing.....	1
20		1219-610	Tee.....	2
21		708 0664	Angle.....	2
		1200-29	Capscrew, 5/16C x 3/4..	2
		1209-3	Plainwasher.....	4

Begin Ser. #90175




ACC
IGNITION SWITCH (Upper)
ST
BAT
IGN
CIRC. BKR.
17 RED
15 WHITE
1
3
2
AXLE DISC
5
4
1
F
N
R
RANGE SHIFT
6
2
3
8
7
IGNITION SWITCH (Lower)
STARTER RELAY
ST
BAT
28 BROWN
31 RED
29 WHITE
30 BLACK
27 BLUE
15 WHITE
Collector Ring
15 WHITE
RELAY
GEAR / WIRES ENERGIZED
F1 - 27,28,29,30
F2 - 28,29,30
F3 - 29,30
N - 15B, 15AA
R1 - 27,28,30,31
R2 - 28,30,31
R3 - 30,31
F
N
1
R
2
3
TRANSMISSION SOLENOID CONTROL

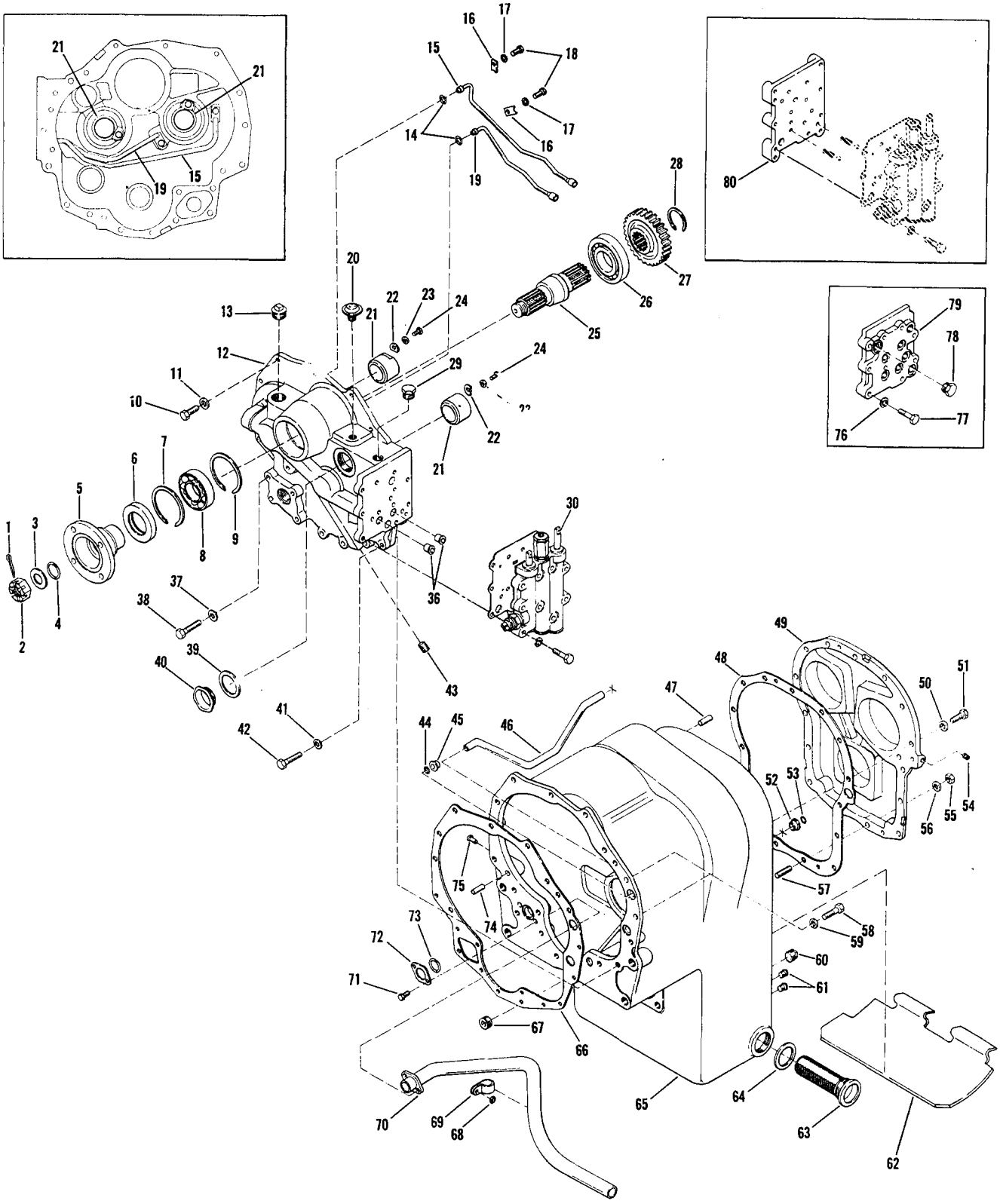


PART NO.	DESCRIPTION	QTY.
707 9011	Converter, Torque.....	1
	Clark Model C272.5-47	
	(Replaces Early C272.5-17)	

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

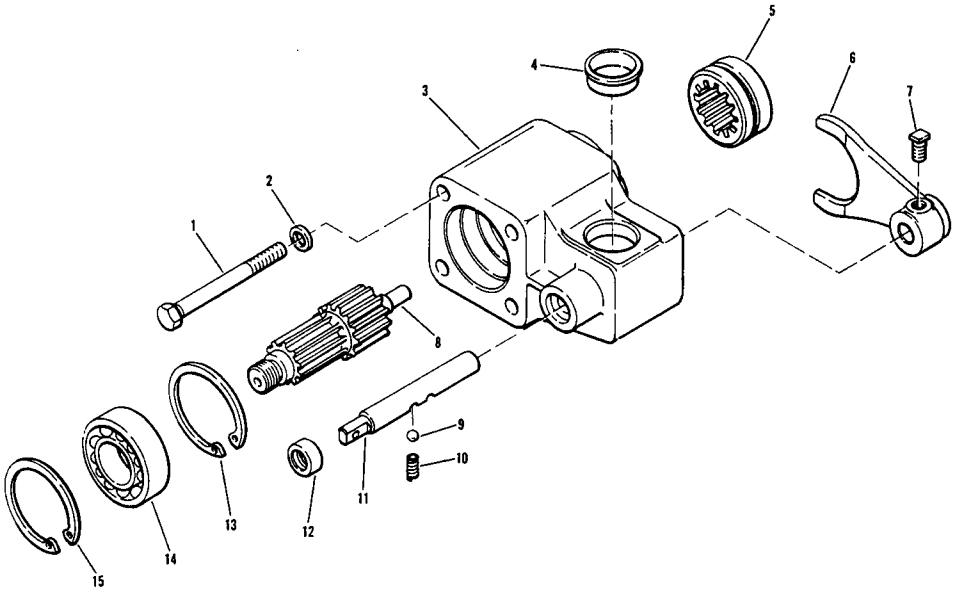
REF.	PART NO.	DESCRIPTION	QTY.
7	202319	Stop, Valve.....	1
8	202320	Ring, "O".....	1
9	202321	Piston, Valve.....	1
10	202322	Spring, Inner.....	1
11	202323	Spring, Outer.....	1
12	202324	Pin, Roll, Valve Stop..	1
13	200636	Screw & Lockwasher.....	4
14		See Ref. 13	
15	202324	Pin, Roll, Valve Stop..	1
16	202320	Ring, "O".....	1
17	202319	Stop, Valve.....	1
18	202325	Regulator Valve Ass'y..	1
		(Includes Items 7 thru 12, 15 thru 17, 21) (240 to 280 PSI)	
19	202326	Plug, Pipe.....	1
20	202326	Plug, Pipe.....	1
21	202327	Seat, Safety Valve.....	1
22	202328	Plunger, Safety Valve..	1
23	202329	Spring, Safety Valve...	1
24	202330	Ring, "O".....	1
25	202331	Gasket.....	1
26	202332	Breather/Check Valve Ass'y..	1
27	202333	Gear, Pump Drive.....	3
28	202334	Ring, Snap.....	3
29	202335	Housing, Converter.....	1
30	202326	Plug, Pipe.....	1
31	28573	Washer, Lock.....	3
32	202336	Screw, Oil Baffle.....	3
33	202337	Plug, Pipe.....	1
34	202338	Plug, Pipe.....	4
35	202339	Bearing.....	3
36	202340	Spacer.....	2
37	202341	Bearing.....	3
38	202342	Ring, Snap.....	3
39	202343	Shaft, Pump Drive.....	3
40	202344	Ring, Snap.....	3
41	202345	Washer.....	3
42	202346	Ring, Snap.....	3
43	202347	Sleeve, Charging Pump..	1
44	202348	Gasket, Pump.....	1
45	200636	Screw & Lockwasher.....	3
46		See Ref. 45	
47	202349	Pump, Charging.....	1
48	202350	Nut, Output Shaft.....	1
49	21140	Washer, Output Shaft...	1
50	202351	Ring, "O".....	1
51	202352	Screw, Retainer.....	3
52	201370	Washer, Lock.....	3
53	202353	Flange, Companion.....	1
54	202354	Seal, Oil.....	1
55	202355	Nut, Stud.....	2
56	201370	Washer, Lock.....	2
57	202356	Retainer, Bearing.....	1
58	202357	Stud, Retainer.....	2

REF.	PART NO.	DESCRIPTION	QTY.
59	202358	Ring, "O".....	1
60	21112	Bearing, Rear.....	1
61	202359	Ring, Snap.....	1
62	202360	Shaft, Output.....	1
63	202361	Gear, Output Shaft.....	1
64	202362	Bearing, Front.....	1
65	202363	Ring, Snap (Bearing)....	1
66	20400	Ring, Snap (Gear).....	1
67	202365	Gear, Turbine Shaft....	1
68	202366	Ring, Snap (Shaft).....	1
69	202367	Bearing.....	1
70	202368	Ring, Piston.....	1
71	202369	Shaft, Turbine.....	1
72	202370	Stator Support/Sleeve Ass'y.	1
73	202371	Ring, Piston.....	1
73A	202372	Spring, Expander.....	1
74	202373	Ring, Snap.....	1
75	202374	Gear, Impeller Hub.....	1
76	202375	Screw, Stator Support..	6
77	202376	Washer, Lock.....	6
78	202377	Turbine.....	1
79	202378	Hub, Turbine.....	1
80	21103	Ring, Snap (Shaft).....	1
81	202379	Ring, Snap (Reaction Memb.	1
82	202380	Member, Reaction.....	1
83	202381	Spacer.....	1
84	202366	Ring, Snap.....	1
85	202382	Bearing, Impeller Hub..	1
86	202383	Hub, Impeller.....	1
87	202384	Ring, "O".....	1
88	202385	Impeller.....	1
89	202386	Washer.....	8
90	202387	Screw, Hub to Impeller ...	8
91	202388	Oil Baffle(Model C272.5-17)	1
	203511	Oil Baffle(Model C272.5-47)	1
92	202389	Ring, "O".....	1
93	202390	Oil Seal (Model C272.5-17)	1
	203512	Oil Seal (Model C272.5-47)	1
94	202391	Ring, "O".....	1
95	202392	Ring, Snap.....	1
96	202393	Bearing,Impeller Cover ...	1
97	202394	Cover, Impeller..... (Incl. Item 98)	1
98	202395	Sleeve, Impeller Cover ...	1
99	202396	Screw, Ring Gear.....	16
100	202397	Washer, Plain.....	16
101	202398	Kit, Flywheel Ring Gear. (Incl. Items 99,100)	1
102	21103	Ring, Snap.....	1
103	202399	Washer.....	8
104	202400	Screw.....	8
105	202401	Screw & Lockwasher.....	24
106		See Ref. 105	
113	202402	Gasket, Pump Adapter...	1
114	202403	Adapter, Pump.....	1
115	202404	Screw.....	6

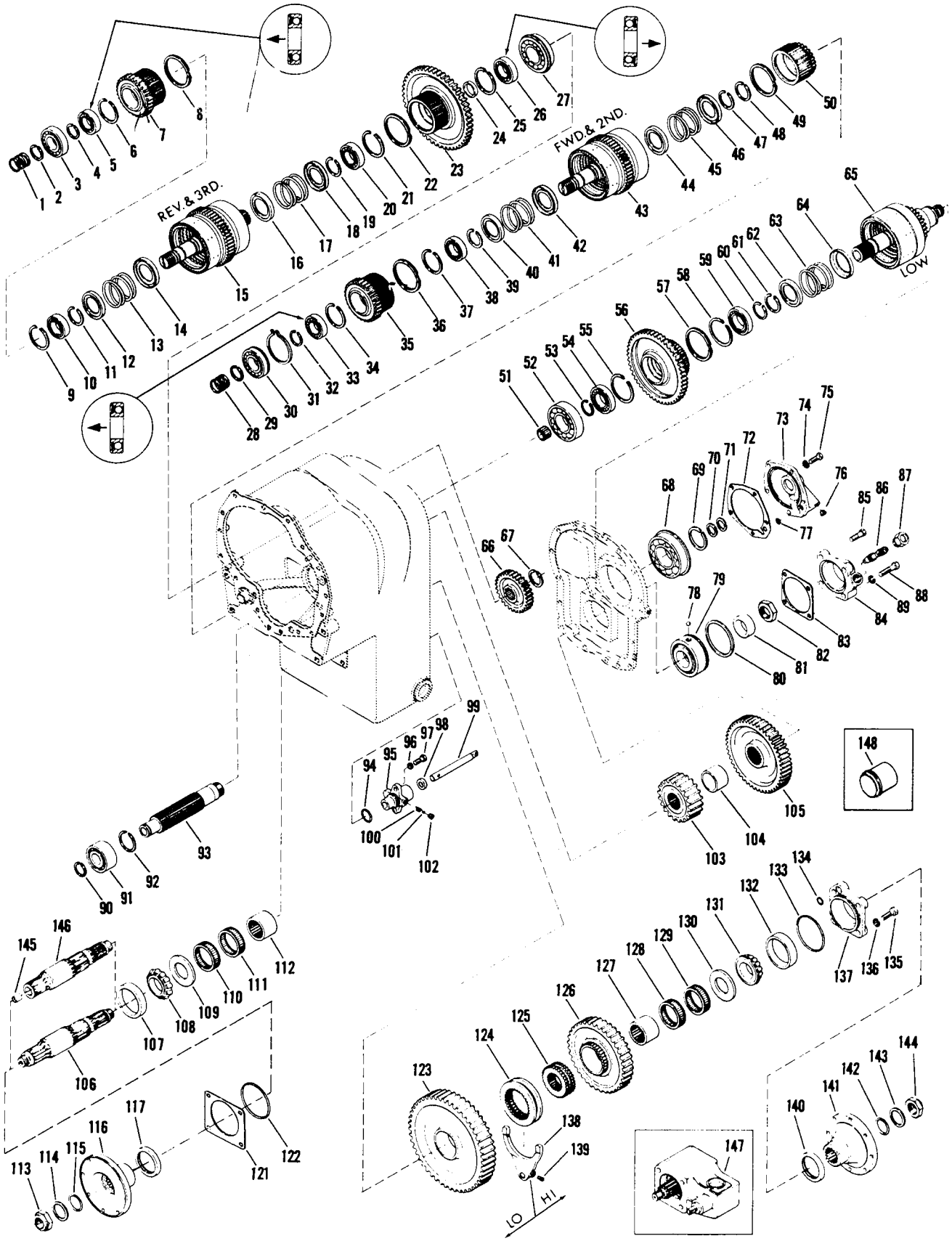


REF.	PART NO.	DESCRIPTION	QTY.
	707 9012	Transmission.....	1
		(Clark Model R28620-25)	

REF.	PART NO.	DESCRIPTION	QTY.
1		Not Applicable	
2	202350	Nut, Flange.....	1
3	21140	Washer.....	1
4	21139	Ring, "O".....	1
5	202353	Flange, Input.....	1
6	202405	Seal, Oil.....	1
7	202359	Ring, Retainer.....	1
8	202406	Bearing, Front.....	1
9	202359	Ring, Retainer.....	1
10	202352	Screw.....	5
11	201370	Washer, Lock.....	5
12	202407	Front Cover & Tube Ass'y. (Includes Items 14 thru 19, 21 thru 24, & 36)	1
13	202338	Plug, Pipe.....	1
14	202408	Ring, "O".....	2
15	202409	Tube Ass'y, 3rd Speed..	1
16	202410	Clip, Tube.....	2
17	28616	Washer, Lock.....	2
18	28615	Screw.....	2
19	202411	Tube Ass'y, Reverse....	1
20	202412	Breather.....	1
21	202413	Sleeve, Front Cover....	2
22	202414	Lock, Sleeve.....	2
23	28616	Washer, Lock.....	2
24	28615	Lockscrew.....	2
25	202415	Shaft, Input.....	1
26	202416	Bearing, Rear.....	1
27	202417	Gear, Input Shaft.....	1
28	20400	Ring, Retainer.....	1
29		Not Applicable	
30		Valve, Control..... (See Page 7.11)	1
36	202418	Sleeve, Tube.....	2
37	201370	Washer, Lock.....	4
28	202419	Screw.....	4
39	202420	Gasket, Plug.....	1
40	202421	Plug.....	1
41	201370	Washer, Lock.....	4
42	202422	Screw.....	4
43	202423	Plug, Pipe.....	1
44	202424	Ring, "O".....	1
45	202418	Sleeve, Tube.....	1
46	202425	Tube, Pressure(Low Clutch).	1
47	202426	Dowel, Rear Cover.....	2
48	202427	Gasket.....	1
49	202428	Cover, Rear.....	1
50	28508	Washer, Lock.....	13
51	202429	Screw.....	13
52	202418	Sleeve, Tube.....	1
53	202424	Ring, "O".....	1
54	202430	Plug, Pipe.....	1
55	28565	Nut, Stud.....	2
56	28508	Washer, Lock.....	2
57	202431	Stud (Rear cover to case)..	2
58	202352	Screw.....	5
59	201370	Washer, Lock.....	5
60	202432	Plug, Drain.....	1
61	21152	Plug, Oil Level.....	2
62	202433	Baffle, Oil.....	1
63	202434	Screen Assembly.....	1
64	202420	Gasket, Screen Ass'y...	1
65	202435	Transmission Case Ass'y. (Includes Items 45,46, 52,68 thru 73, 75)	1
66	202436	Gasket, Front Cover....	1
67	202437	Plug, Case.....	1
68	202438	Washer, Clip.....	1
69	202439	Clip, Tube.....	1
70	202440	Suction Tube Ass'y.....	1
71	202441	Screw.....	2
72	202442	Washer, Retaining.....	1
73	202443	Ring, "O".....	1
74	21125	Pin, Dowel.....	2
75	202444	Rivet, Clip.....	1

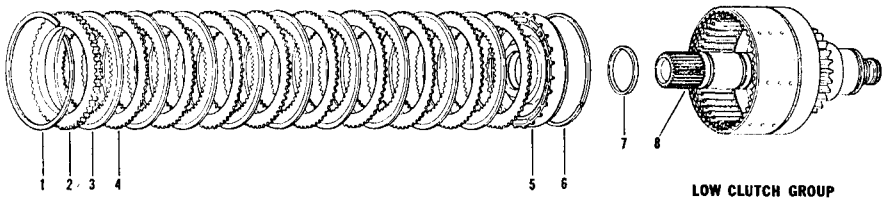


REF.	PART NO.	DESCRIPTION	QTY.
1	202537	Capscrew.....	4
2	28594	Washer, Lock.....	4
3	202538	Housing, Disconnect....	1
4	202539	Plug.....	1
5	202540	Hub, Shift.....	1
6	202541	Fork, Shift.....	1
7	201274	Screw, Lock.....	1
8	202542	Shaft, Disconnect.....	1
9	202495	Ball, Detent.....	1
10	202494	Spring, Detent.....	1
11	202543	Rail, Shift.....	1
12	202492	Seal, Oil.....	1
13	202544	Ring, Retainer.....	1
14	202382	Bearing.....	1
15	202544	Ring, Retainer.....	1



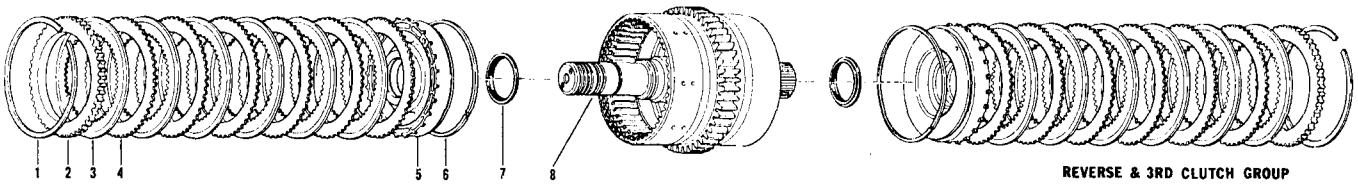
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

REF.	PART NO.	DESCRIPTION	QTY.
1	21126	Ring, Piston..... (Reverse & 3rd Clutch Shaft)	3
2	202445	Ring, Retainer.....	1
3	202406	Bearing, Front.....	1
4	202445	Ring, Retainer.....	1
5	202446	Bearing (Shield Out)...	1
6	202447	Ring, Snap.....	1
7	202448	Gear, Clutch Driven....	1
8	202449	Ring, Oil Baffle.....	1
9	202447	Ring, Snap.....	1
10	202450	Bearing.....	1
11	204503	Ring, Snap (Repl. 21115)...	1 of 5
12	204504	Retainer (Repl. 202451)..	1 of 5
	Order Kit 204505 Prior Clark Ser. #72894-YJ Includes 11 & 12 - See Ref. 18,39,46,61		
13	202452	Spring, Piston Return..	1
14	202453	Retainer, Spring.....	1
15	See Page 7.10	Clutch, Reverse & 3rd..	1
16	202453	Retainer, Spring.....	1
17	202452	Spring, Piston Return..	1
18	Ref. 11,12	Retainer, Spring.....	1
19	Ref. 11,12	Ring, Snap.....	1
20	202454	Bearing, 3rd Gear.....	1
21	202455	Ring, Snap.....	1
22	202449	Ring, Oil Baffle.....	1
23	202456	Gear, 3rd.....	1
24	202457	Spacer, Bearing.....	1
25	202455	Ring, Snap.....	1
26	202464	Bearing (Shield Out)...	1
27	202465	Bearing, Rear.....	1
28	21126	Ring, Piston..... (Forward & 2nd Clutch Shaft)	3
29	202445	Ring, Retainer.....	1
30	202466	Bearing, Front.....	1
31	202467	Ring, Locating.....	1
32	202445	Ring, Retainer.....	1
33	202446	Bearing (Shield Out)...	1
34	202447	Ring, Snap.....	1
35	202448	Gear, Clutch Driven....	1
36	202449	Ring, Oil Baffle.....	1
37	202447	Ring, Snap.....	1
38	202450	Bearing.....	1
39	Ref. 11,12	Ring, Snap.....	1
40	Ref. 11,12	Retainer, Spring.....	1
41	202452	Spring, Piston Return..	1
42	202453	Retainer, Spring.....	1
43	See Page 7.10	Clutch, Forward & 2nd..	1
44	202453	Retainer, Spring.....	1
45	202452	Spring, Piston Return..	1
46	Ref. 11,12	Retainer, Spring.....	1
47	Ref. 11,12	Ring, Snap.....	1
48	21115	Ring, Snap.....	1
49	202449	Ring, Oil Baffle.....	1
50	202458	Gear, 2nd.....	1
51	202459	Bearing, Pilot.....	1
52	202367	Bearing, 2nd Gear.....	1
53	202460	Ring, Retainer.....	1
54	202461	Bearing, Low Gear.....	1
55	202462	Ring, Locating.....	1
56	202463	Gear, Low.....	1
57	202449	Ring, Oil Baffle.....	1
58	202462	Ring, Locating.....	1
59	202461	Bearing, Low Gear.....	1
60	202460	Ring, Retainer.....	1
61	Ref. 11,12	Ring, Snap.....	1
62	Ref. 11,12	Retainer, Spring.....	1
63	202452	Spring, Piston Return..	1
64	202453	Retainer, Spring.....	1
65	See Page 7.10	Clutch, Low Speed.....	1
66	202468	Gear, Low Speed Drive..	1
67	202469	Ring, Retaining.....	1
68	202470	Bearing, Rear.....	1
69	202471	Ring, Retainer.....	1
70	202472	Ring, Piston (Low Shaft)..	1
71	202472	Ring, Piston (Low Shaft)..	1
72	202473	Gasket, Rear Cap.....	1
73	202474	Cap, Rear Bearing.....	1
74	28573	Washer, Lock.....	5
75	202475	Capscrew.....	5
76	202430	Plug, Cap.....	1
77	202476	Ring, "O".....	1
78	202477	Ball, Lock.....	1
79	202478	Bearing, Idler Shaft...	1
80	202479	Ring, Locating.....	1
81	202480	Spacer, Rear Bearing...	1
82	202481	Nut, Idler Shaft.....	1
83	202482	Gasket, Bearing Cap....	1
84	202483	Cap, Idler Shaft Bearing..	1
85	202484	Capscrew.....	3
86		Not Applicable	
87	202485	Plug, Speedometer Hole.	1
88	202486	Capscrew.....	1
89	28594	Washer, Lock.....	4
90	202445	Ring, Retainer.....	1
91	202487	Bearing, Front.....	1
92	202488	Ring, Locating.....	1
93	202489	Shaft, Idler.....	1
94	21139	Ring, "O".....	1
95	202490	Support, Range Shift Rail.	1
96	28573	Washer, Lock.....	2
97	202475	Screw.....	2
98	202492	Seal, Oil.....	1
99	202493	Rail, Range Shift.....	1
100	202494	Spring, Detent.....	1
101	202495	Ball, Rail Detent.....	1
102	202496	Plug, Detent.....	1
103	202497	Gear, Idler Shaft Low....	1
104	202498	Spacer, Gear.....	1
105	202499	Gear, Idler Shaft.....	1
106		Replaced by Item 146	
107	202500	Cup, Bearing.....	1
108	202501	Cone, Bearing.....	1
109	202502	Washer, Thrust.....	1
110	202503	Bearing, Output Gear...	1
111	202503	Bearing, Output Gear...	1
112	202504	Race, Inner.....	1
113	202505	Nut, Output Flange.....	1
114	202506	Washer, Output Flange..	1
115	202507	Ring, "O".....	1
116	202508	Flange, Output.....	1
117	202509	Seal, Oil.....	1
121	202510	Shim, Disconnect Cap...	As Req'd.
	202511	Shim, Disconnect Cap...	As Req'd.
	202512	Shim, Disconnect Cap...	As Req'd.
	202513	Shim, Disconnect Cap...	As Req'd.
122	202514	Ring, "O".....	1
123	202515	Gear, Low Range.....	1
124	202516	Hub, High-Low Shift....	1
125	202517	Sleeve, Shift Hub.....	1
126	202518	Gear, High Range.....	1
127	202504	Race, Inner.....	1
128	202503	Bearing, Output Gear...	1
129	202503	Bearing, Output Gear...	1
130	202502	Washer, Thrust.....	1
131	202519	Cone, Bearing.....	1
132	202520	Cup, Bearing.....	1
133	202521	Ring, "O".....	1
134	202522	Ring, "O".....	1
135	202523	Screw.....	4
136	28594	Washer, Lock.....	4
137	202524	Cap, Bearing, Rear.....	1
138	202525	Fork, High-Low Shift...	1
139	201274	Screw, Lock.....	1
140	202526	Seal, Oil.....	1
141	202508	Flange, Output.....	1
142	202507	Ring, "O".....	1
143	202506	Washer, Output Flange..	1
144	202505	Nut, Output Flange.....	1
145	202527	Bushing.....	1
146	202528	Shaft, Output (Incl. 145).	1
147		Disconnect (See Page 7.7) .	1



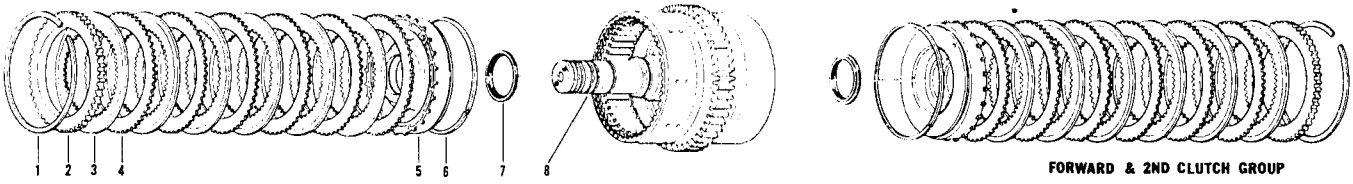
LOW CLUTCH GROUP

REF.	PART NO.	DESCRIPTION	QTY.
1	21119	Ring, Retainer.....	1
2	21120	Plate, End.....	1
3	202529	Disc, Inner.....	9
4	21122	Disc, Outer.....	9
5	202530	Piston, Clutch.....	1
6	202531	Ring, Seal, Outer.....	1
7	202532	Ring, Seal, Inner.....	1
8	202533	Drum & Shaft.....	1
		(Low Speed Clutch)	



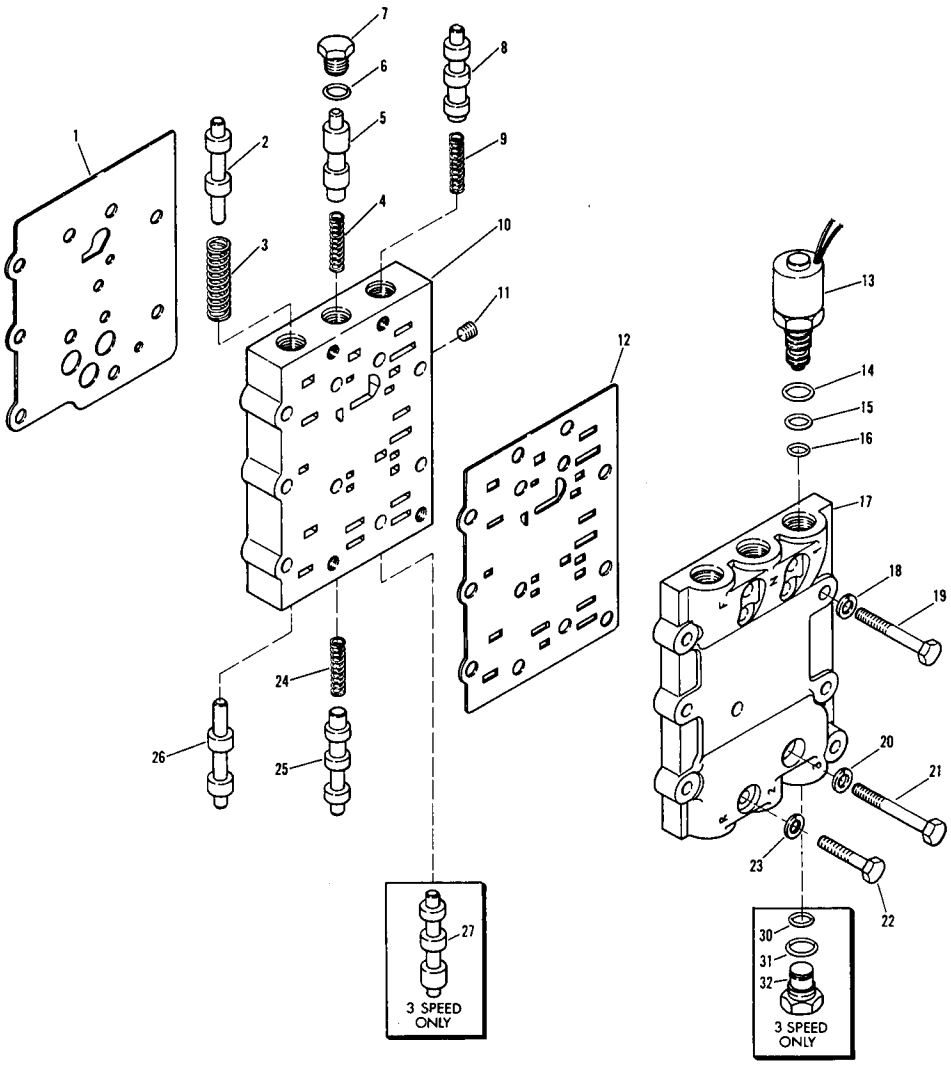
REVERSE & 3RD CLUTCH GROUP

REF.	PART NO.	DESCRIPTION	QTY.
1	21119	Ring, Retainer.....	2
2	21120	Plate, End.....	2
3	202534	Disc, Inner.....	12
4	21122	Disc, Outer.....	12
5	202530	Piston, Clutch.....	2
6	202531	Ring, Seal, Outer.....	2
7	202532	Ring, Seal, Inner.....	2
8	202535	Drum & Shaft.....	1
		(Reverse & 3rd Clutch)	

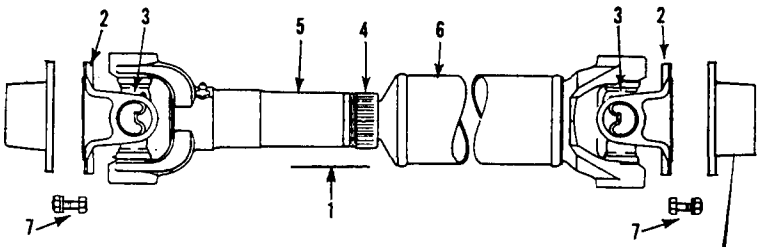


FORWARD & 2ND CLUTCH GROUP

REF.	PART NO.	DESCRIPTION	QTY.
1	21119	Ring, Retainer.....	2
2	21120	Plate, End.....	2
3	202534	Disc, Inner.....	12
4	21122	Disc, Outer.....	12
5	202530	Piston, Clutch.....	2
6	202531	Ring, Seal, Outer.....	2
7	202532	Ring, Seal, Inner.....	2
8	202536	Drum & Shaft.....	1
		(Forward & 2nd Cltuch)	



REF.	PART NO.	DESCRIPTION	QTY.
1	202545	Gasket.....	1
2	202546	Spool, Forward.....	1
3	202547	Spring, Forward-Reverse ..	1
4	202548	Spring, Range Spool....	1
5	202549	Spool, Range (w/neutral)..	1
6	202550	Ring, "O", Stop Plug...	6
7	202551	Plug, Stop (Incl. 6)...	6
8	202552	Spool, Low Speed.....	1
9	202548	Spring, Low Speed.....	1
10	202553	Control Valve Assembly. (Incl. 2 thru 11, 24 thru 27)	1
11	202430	Plug, Pipe.....	1
12	202554	Gasket.....	1
13	202555	Solenoid (12 volt)..... (Incl. Items 14,15,16)	5
14	202550	Ring, "O".....	5
15	202556	Ring, "O".....	5
16	202557	Ring, "O".....	5
17	202558	Housing, Control.....	1
18	28573	Washer, Lock.....	5
19	202559	Screw.....	5
20	28573	Washer, Lock.....	4
21	202560	Screw.....	4
22	202336	Screw.....	4
23	28573	Washer, Lock.....	4
24	202548	Spring, 2nd Speed Spool ..	1
25	202561	Spool, 2nd Speed.....	1
26	202546	Spool, Reverse.....	1
27	202562	Spool, Speed Selector..	1
30	202556	Ring, "O".....	1
31	202550	Ring, "O".....	1
32	202563	Plug, Solenoid..... (Replaces Solenoid This Model)	1

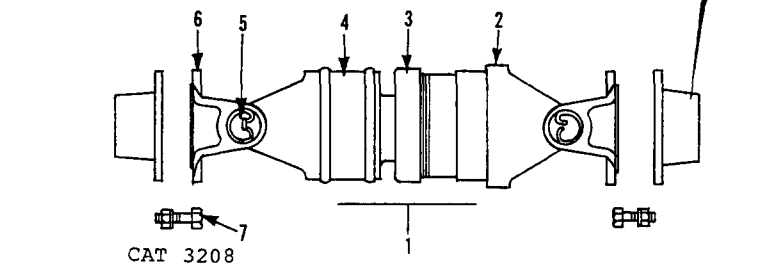


D.D. 6V-53
ENGINE,
CONVERTER

TRANSMISSION

REFER TO GROUP 7 FOR COMPANION FLANGES ON TRANSMISSION & CONVERTOR

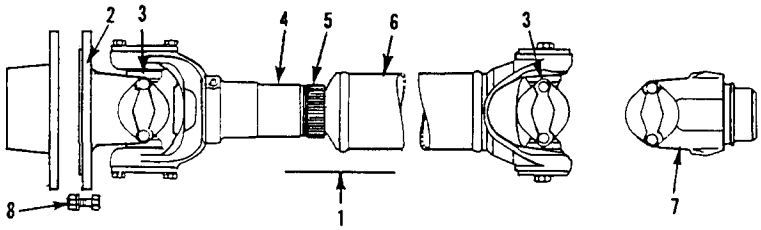
REF.	PART NO.	DESCRIPTION	QTY.
1	34432	Shaft, Drive..... (Incl. 2 thru 6)	1
2	12402-7	Yoke, Flange.....	2
3	26991	Kit, Spider & Bearing..	2
4	26990	Kit, Washer.....	1
5	12403-7	Yoke, Sleeve.....	1
6	202288	Shaft, Yoke.....	1
7	1200-98	Capscrew, 1/2C x 1-1/4.	8
	1210-26	Washer, Lock, 1/2.....	8
	1205-58	Nut, 1/2C.....	8



CAT 3208
ENGINE,
CONVERTER

TRANSMISSION

REF.	PART NO.	DESCRIPTION	QTY.
1	34812	Shaft, Drive..... (Includes Items 1 thru 6)	1
2	12403-2	Yoke, Slip.....	1
3	200730	Kit, Washer.....	1
4	201472	Yoke, Stub.....	1
5	26991	Kit, Spider & Bearing..	2
6	12402-7	Yoke, Flange.....	2
7	1200-98	Capscrew, 1/2C x 1-1/4.	8
	1210-26	Washer, Lock, 1/2.....	8
	1205-58	Nut, 1/2C.....	8

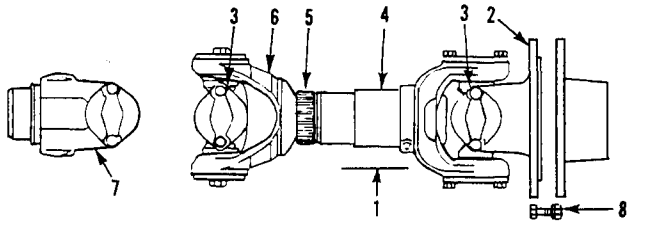


TRANSMISSION

FRONT AXLE

TO UPGRADE MACHINES PRIOR TO SERIAL NO. 90123, SEE PAGE 9.2 FOR KIT

REF.	PART NO.	DESCRIPTION	QTY.
1	34676	Shaft, Drive..... (Incl. 2 thru 6)	1
2	12402-6	Yoke, Flange.....	1
3	27760	Kit, Spider & Bearing..	2
4	12403-8	Yoke, Sleeve.....	1
5	201858	Kit, Washer.....	1
6	202289	Shaft, Yoke.....	1
7	12404-29	Yoke, End.....	1
8	12405-5	Capscrew.....	8
	1210-20	Washer, 3/8.....	8
	1205-37	Nut, 3/8F.....	8

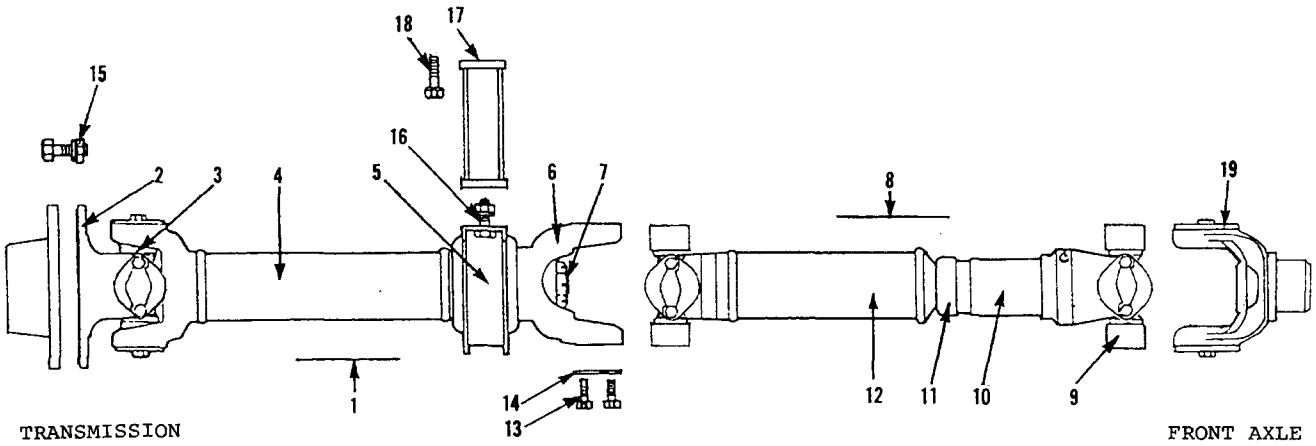


REAR AXLE

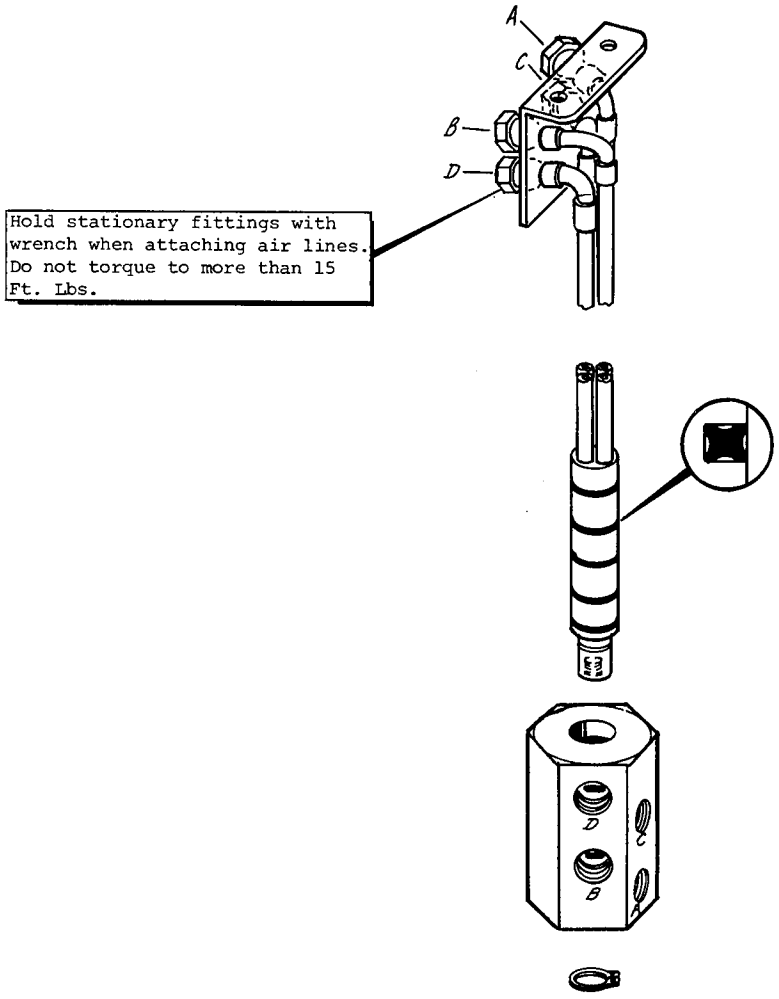
TRANSMISSION

REF.	PART NO.	DESCRIPTION	QTY.
1	34290	Shaft, Drive..... (Incl. 2 thru 6)	1
2	12402-8	Yoke, Flange.....	1
3	27761	Kit, Spider & Bearing..	2
4	202291	Yoke, Sleeve.....	1
5	202290	Kit, Washer.....	1
6	202292	Shaft, Yoke.....	1
7	12404-28	Yoke, End.....	1
8	12405-5	Capscrew.....	8
	1210-20	Washer, 3/8.....	8
	1205-37	Nut, 3/8F.....	8

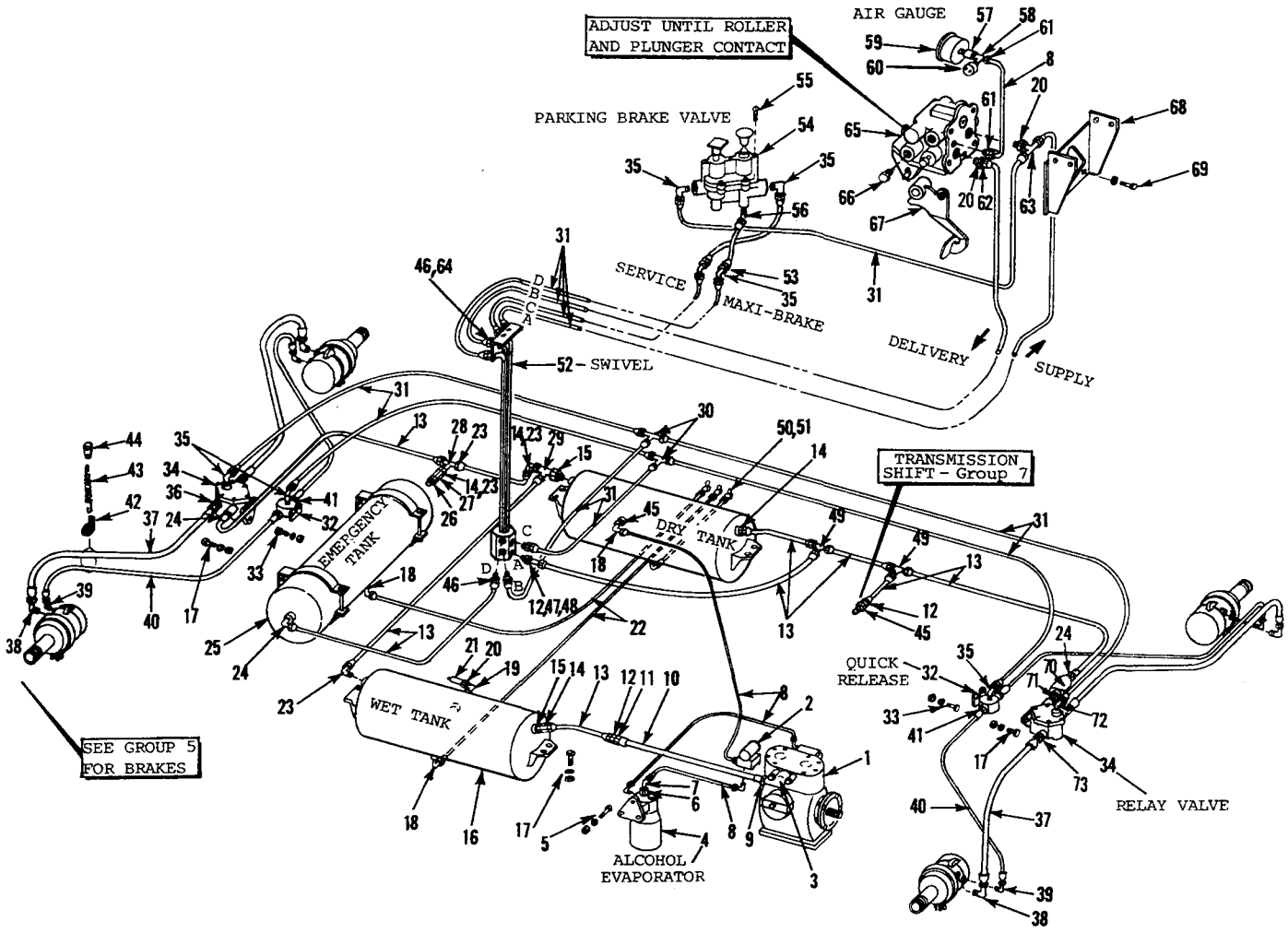
- Begin Serial #90123 -



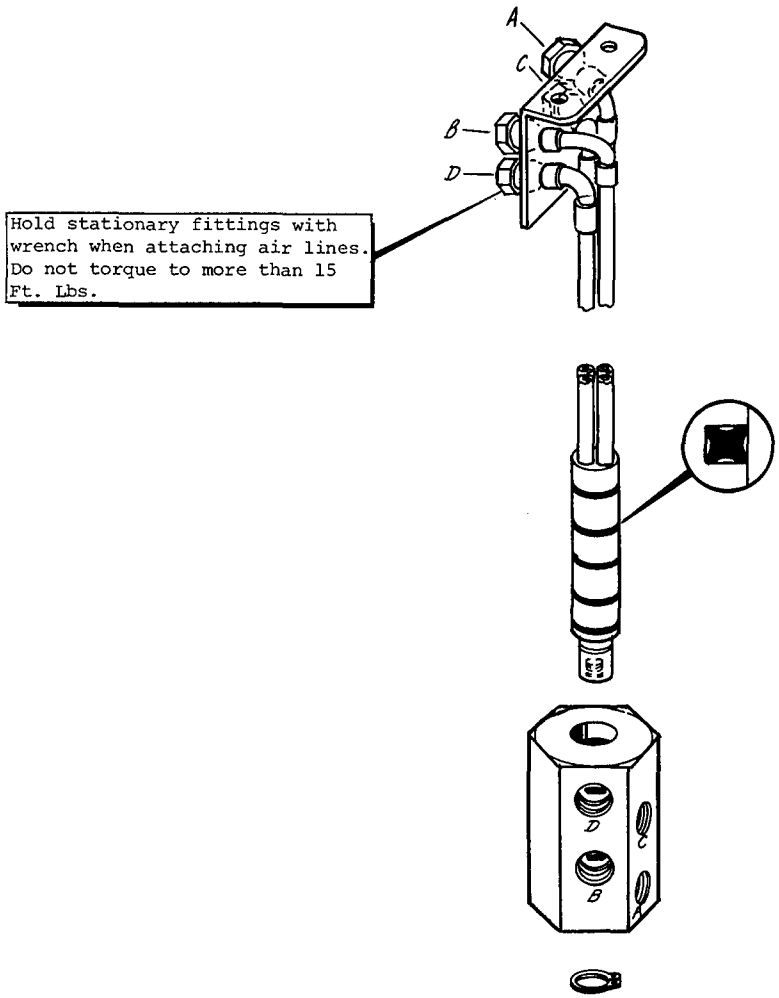
REF.	PART NO.	DESCRIPTION	QTY.	
	707A9406	Drive Shaft Ass'y..... (Includes Items 1 thru 18)	1	PRIOR TO SER. #90123, ORDER A205473 KIT - Includes Items 1 thru 19 & Instructions.
1	34680	Shaft, Drive..... (Includes Items 2 thru 7)	1	
2	12402-8	Yoke, Flange.....	1	
3	14132	Kit, Spider & Bearing..	1	
4	204501	Shaft, Yoke.....	1	
5	27198	Center Bearing Ass'y...	1	
	27201	Kit, Repair.....	1	
6	27195	Yoke, End.....	1	
7	27196	Nut.....	1	
	27197	Pin, Cotter.....	1	
8	34681	Shaft, Drive..... (Includes Items 9 thru 12)	1	
9	14132	Kit, Spider & Bearing..	1	
10	14137	Yoke, Sleeve.....	1	
11	25723	Kit, Washer.....	1	
12	204502	Shaft, Yoke.....	1	
13	12405-10	Capscrew.....	4	
14	12405-11	Lockstrap.....	2	
15	12405-5	Capscrew.....	8	
	1210-20	Washer, Lock, 3/8.....	8	
	1205-37	Nut, 3/8F.....	8	
16	1200-98	Capscrew, 1/2C x 1-1/4.	2	
	1210-26	Washer, Lock, 1/2.....	2	
	1205-67	Nut, 1/2C Elastic.....	2	
17	707F9705	Bracket.....	1	
18	1200-100	Capscrew, 1/2C x 1-1/2.	2	
	1210-26	Washer, Lock, 1/2.....	2	
19	12404-28	Yoke, End.....	1	



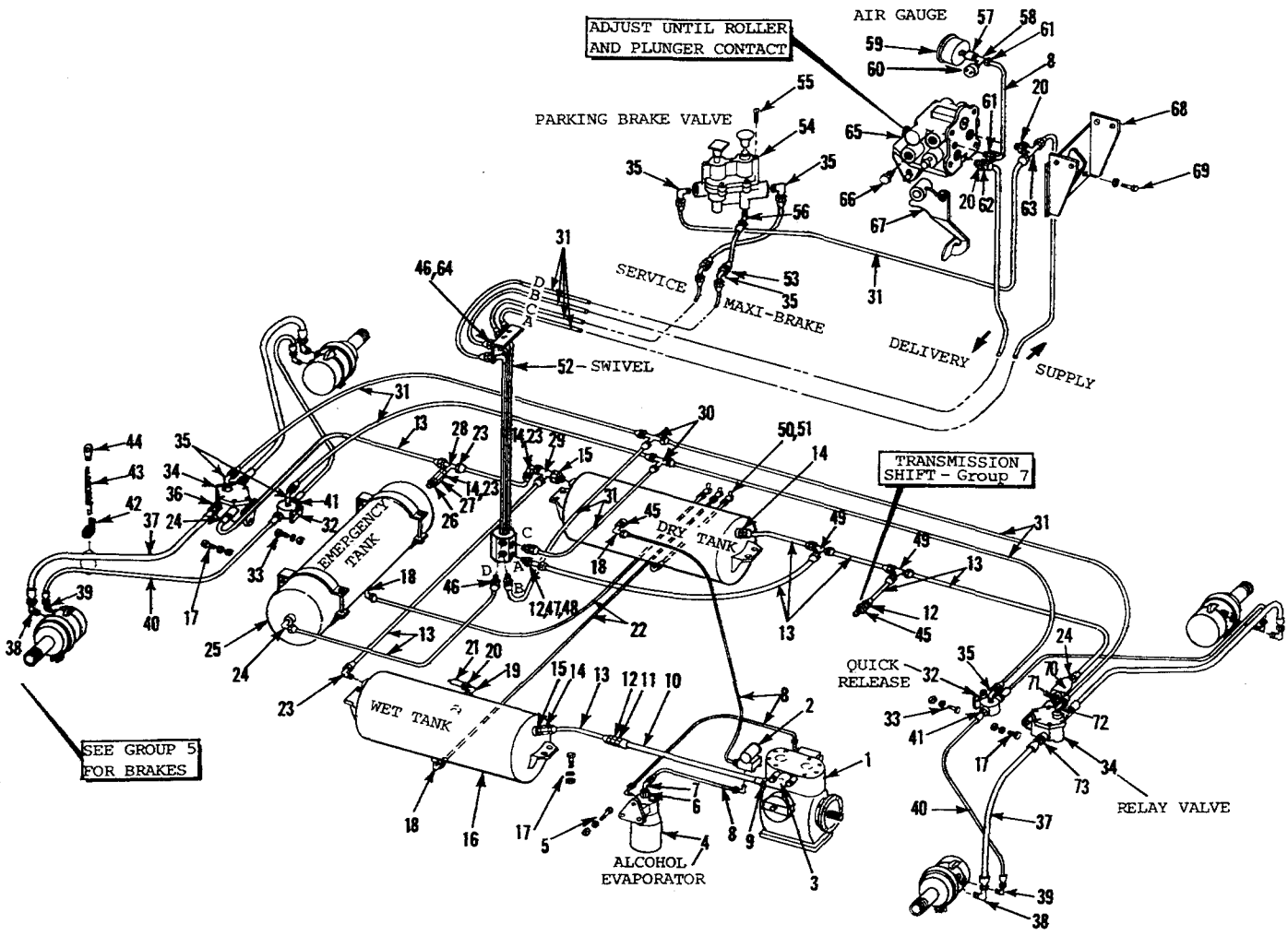
REF.	PART NO.	DESCRIPTION	QTY.
1	707 9020	Air Swivel.....	1
2	202312	Kit, Repair..... (Incl. Snap Ring, Seals & Silicone Grease)	1



REF.	PART NO.	DESCRIPTION	QTY.
1		Compressor..... (Part of Engine)	1
2	1219-574	Governor.....	1
	1200-47	Capscrew, 5/16C x 3....	2
3	1219-415	Elbow, Discharge (D.D.)..	1
	1219-68	Elbow, Discharge (Cat)..	1
4	12019-318	Evaporator, Alcohol....	1
5	1200-1	Capscrew, 1/4C x 3/4...	3
	1210-14	Washer, Lock, 1/4.....	3
	1205-13	Nut, 1/4C.....	3
6	12019-322	Valve, Check.....	1
7	12019-404	Elbow.....	3
8	12202-XX"	Tube (1/4").....As Req'd.	
9	1219-643	Fitting.....	1
10	12325-36	Hose (D.D.).....	1
	707A9664	Hose (Cat).....	1

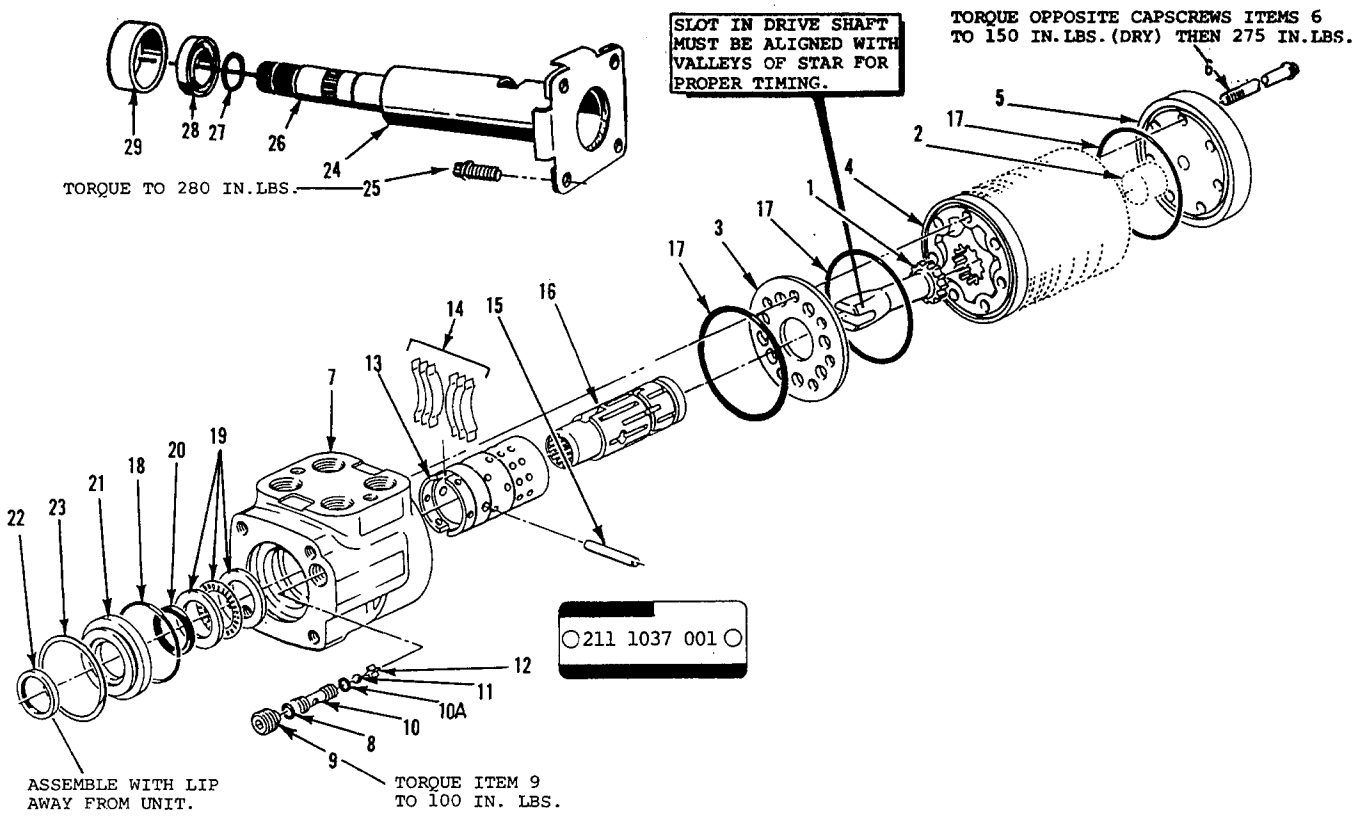


REF.	PART NO.	DESCRIPTION	QTY.
1	707 9020	Air Swivel.....	1
2	202312	Kit, Repair..... (Incl. Snap Ring, Seals & Silicone Grease)	1



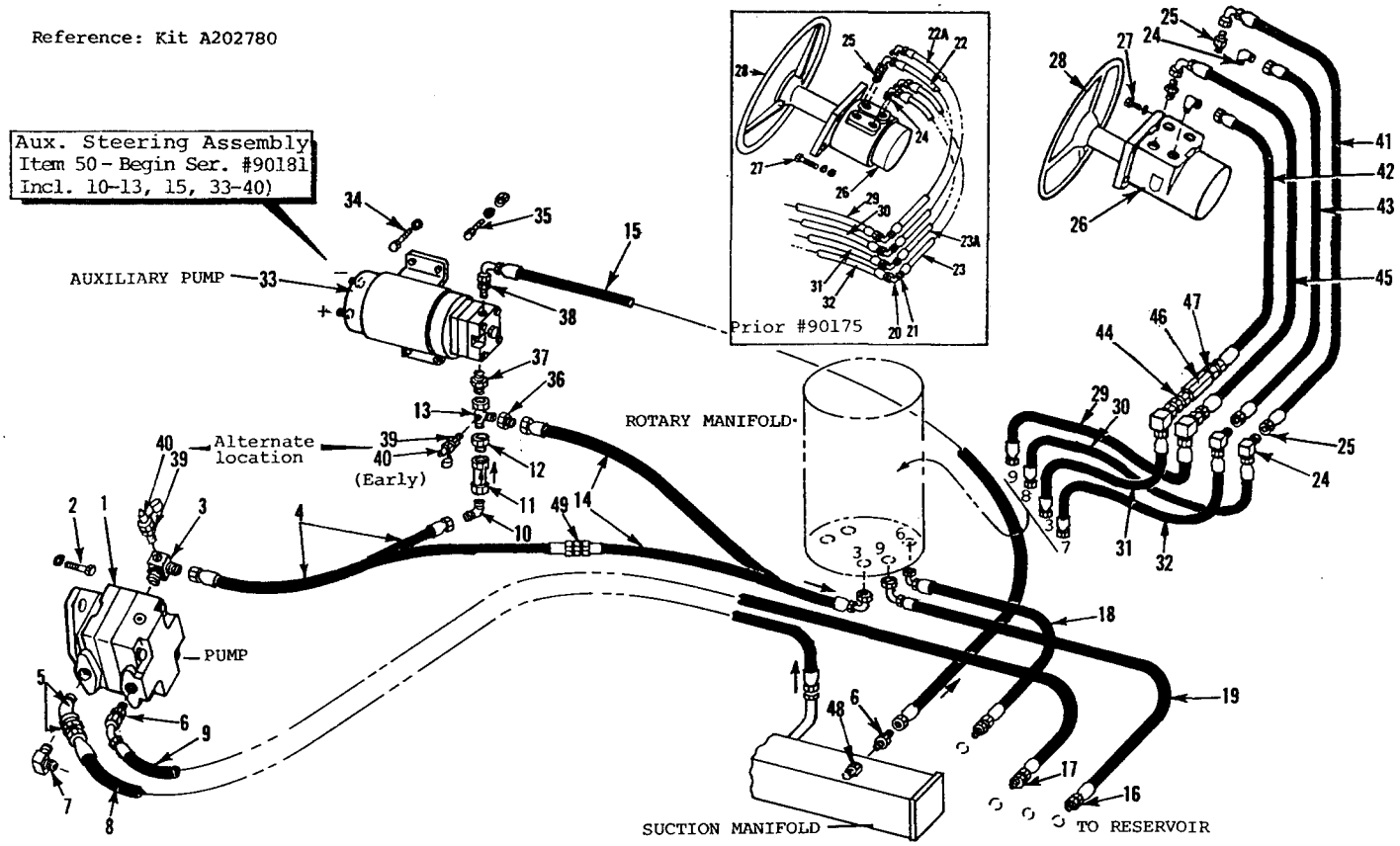
REF.	PART NO.	DESCRIPTION	QTY.
1		Compressor..... (Part of Engine)	1
2	1219-574	Governor.....	1
	1200-47	Capscrew, 5/16C x 3....	2
3	1219-415	Elbow, Discharge (D.D.)..	1
	1219-68	Elbow, Discharge (Cat)..	1
4	12019-318	Evaporator, Alcohol....	1
5	1200-1	Capscrew, 1/4C x 3/4...	3
	1210-14	Washer, Lock, 1/4.....	3
	1205-13	Nut, 1/4C.....	3
6	12019-322	Valve, Check.....	1
7	12019-404	Elbow.....	3
8	12202-XX"	Tube (1/4").....As Req'd.	
9	1219-643	Fitting.....	1
10	12325-36	Hose (D.D.).....	1
	707A9664	Hose (Cat).....	1

REF.	PART NO.	DESCRIPTION	QTY.
11	1219-642	Fitting	1
12	12019-393	Connector	3
13	12205-XX"	Tube (5/8")	As Req'd.
14	12019-400	Connector	8
15	12019-96	Valve, Check	1
16	52239	Reservoir	2
17	1200-59	Capscrew, 3/8C x 1	14
	1210-20	Washer, Lock, 3/8	14
	1205-36	Nut, 3/8C	14
18	12019-418	Elbow	2
19	1219-157	Elbow	1
20	1219-97	Bushing	2
21	1219-213	Valve, Relief	1
22	12202-XX"	Tube (1/4")	As Req'd.
	1284-XX"	Loom	As Req'd.
23	12019-400	Connector	3
24	12019-414	Elbow, 45°	3
25	1219-457	Reservoir (Maxi)	1
26	1219-131	Valve, Check	1
27	1219-10	Nipple	1
28	1219-7	Tee	1
29	1219-66	Tee	1
30	12019-436	Tee	2
31	12203-XX"	Tube (3/8")	As Req'd.
32	1219-462	Valve, Quick Release	2
33	1200-31	Capscrew, 5/16C x 1	4
	1210-17	Washer, Lock, 5/16	4
	1205-25	Nut, 5/16C	4
34	12019-308	Valve, Relay	2
35	12019-406	Elbow	10
36	12019-63	Adapter	4
37	707A9414	Hose Ass'y	4
38	12019-56	Adapter, 90°	4
39	12019-55	Adapter, 90°	4
40	707A9415	Hose Ass'y	4
41	12019-61	Adapter	4
42	1240-52	Clamp (3/4")	4
	1240-51	Clamp (5/8")	4
	1240-92	Clamp	4
43	6422	Spring	4
44	8904	Hook	4
45	1219-359	Bushing	2
46	1219-396	Connector	5
47	1219-116	Bushing	1
48	1219-99	Nipple	1
49	12019-401	Tee	2
50	1219-217	Valve, Drain	3
51	1219-395	Connector	3
52	707 9020	Swivel (See Page 10.1)	1
53	1219-962	Connector	4
54	12019-430	Valve, Parking Brake	1
	204184	Repair Kit	1
	204185	Knob, Square	1
	204186	Knob, Round	1
55	1202-14	Screw, Mach., 1/4C x 1/2	2
56	12019-413	Elbow, 45°	1
57	1219-134	Coupling	1
58	1219-55	Tee	1
59		Gauge & Buzzer (Page 33.2)	1
60	1223-379	Switch, Low Air	1
61	12019-394	Connector	2
62	12019-398	Connector	1
63	12019-403	Tee	1
64	12019-412	Elbow, 45°	2
65	12019-425	Valve	1
	12019-426	Plate, Base (Incl. Stop, Pin, Plunger)	1
66	1219-551	Plug	5
	1219-21	Plug	1
67	707F8543	Pedal (Prior Ser. #90175)	1
	708F2432	Pedal (Begin Ser. #90175)	1
	1214-101	Bushing, Pedal	1
68	707F8540	Bracket	1
69	1200-59	Capscrew, 3/8C x 1	4
	1210-20	Washer, Lock, 3/8	4
	1205-36	Nut, 3/8C	4
70	12019-449	Valve, Pressure Protection	1
71	1219-270	Nipple	1
	12019-90	Bushing	1
72	12019-397	Connector	2
73	12019-57	Adapter	4
	707A7732	Kit, Air Line Splice (Includes 1/4",3/8",1/2" 5/8" unions, 1 each)	As Req'd.



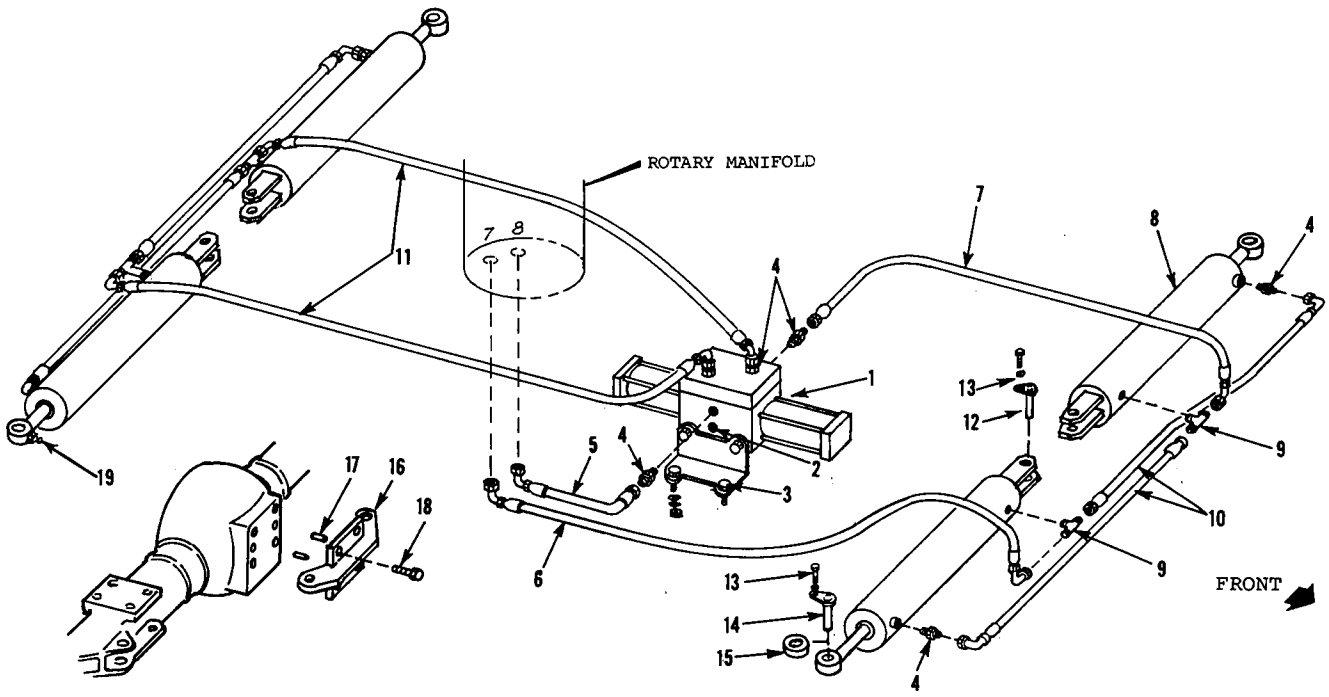
REF	PART NO.	DESCRIPTION	QTY
	707 6450	Orbitrol Control Unit.. (Complete with Column)	1
	204506	Kit, Seal..... (Includes 8,17,18,20,22)	1
	204507	Control Unit only.....	1
1	26726	Drive.....	1
2	26727	Spacer.....	1
3	204508	Plate.....	1
4	204509	Gerotor.....	1
5	204532	Cap, End.....	1
6	26730	Capscrew.....	7
7	204510	Control Parts Ass'y.... (Includes Items 7 thru 16)	1
8	26710	Ring, "O".....	1
9	204511	Setscrew.....	1
10	204512	Seat, Check.....	1
10A	204533	Seal.....	1
11	204513	Ball.....	1
12	204514	Retainer, Ball.....	1
13	N.S.S.	Sleeve.....	1
14	26723	Spring, Centering.....	6
	204515	Kit, Centering Spring(6)..	1
15	26725	Pin, Centering.....	1
16	N.S.S.	Spool.....	1
17	201110	Seal.....	3
18	204516	Ring, "O".....	1
19	204517	Kit, Bearing.....	1
	204518	Race, only.....	2
	26715	Bearing, Needle, only..	1
20	26712	Seal.....	1
21	204519	Bushing, Seal Gland....	1
22	26703	Seal.....	1
23	204520	Ring, Retaining.....	1
24	204774	Column w/Bearing.....	1
25	Not Sold Separate	Capscrew, 3/8C x 3/4...	4
26		Shaft.....	1
27		Ring, Snap.....	1
28		Bearing.....	1
29		Cap, Outer.....	1

Reference: Kit A202780

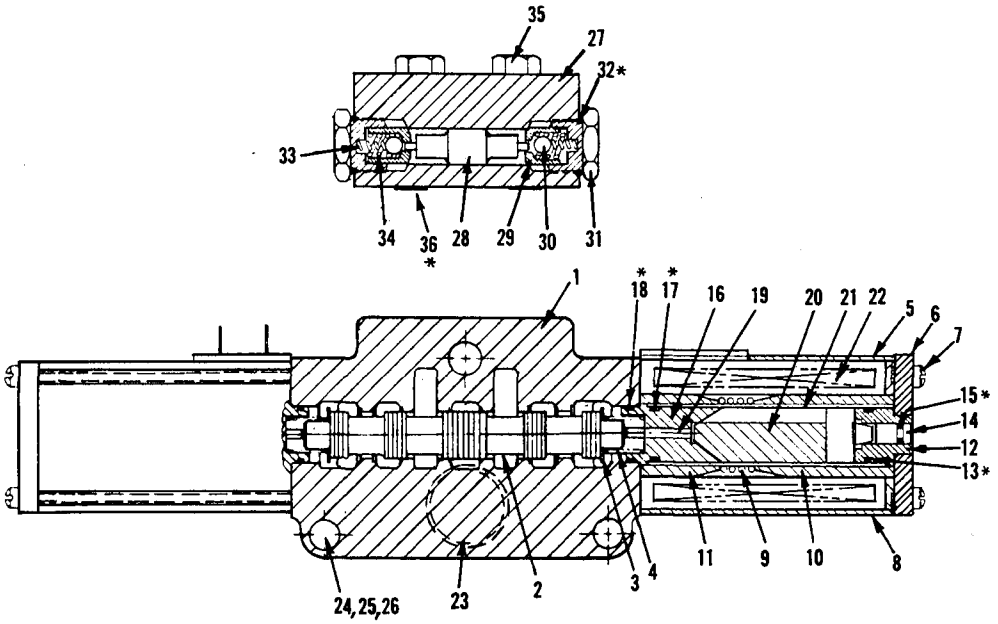


REF.	PART NO.	DESCRIPTION	QTY.
1		Pump (See Page 24.5).....	1
2	1200-61	Capscrew, 3/8C x 1-1/4.	2
	1210-20	Washer, Lock, 3/8.....	2
3	1219-470	Adapter w/"O" ring(90°).	1
	707 9467	Adapter (Tapped).....	1
	1218-34	Ring, "O".....	1
4	707A9085	Hose Ass'y (DD 6V-53)	1
	707A9556	Hose Ass'y (Cat 3208)	1
5	1219-533	Elbow, Pipe, 45°.....	1
	12019-209	Adapter.....	1
6	1219-810	Adapter w/"O" ring.....	1
	1219-571	Adapter, 90° Swivel....	1
	1218-64	Ring, "O".....	1
7	1219-289	Elbow, 90°.....	1
8	707A9084	Hose Ass'y (DD 6V-53)....	1
	707A9554	Hose Ass'y (Cat 3208)....	1
9	707A9082	Hose Ass'y (DD 6V-53)....	1
	707A9555	Hose Ass'y (Cat 3208)....	1
10	1219-651	Adapter, 90°.....	1
11	12019-255	Valve, Check.....	1
12	1219-856	Adapter, Swivel.....	1
13	1219-876	Tee, Swivel.....	1
	707 9672	Tee, Swivel (Tapped)...	1
14	707A9086	Hose Ass'y.....	1
15	707A9083	Hose Ass'y.....	1
16	1219-442	Adapter w/"O" ring.....	1
	1218-41	Ring, "O".....	1
17	1219-347	Adapter w/"O" ring.....	1
	1218-41	Ring, "O".....	1
18	707A9081	Hose Ass'y.....	1
19	707A9080	Hose Ass'y.....	1
20	1219-815	Adapter, 90°.....	4
22	707A6312	Hose Ass'y (Prior #90162).	1
	708A0621	Hose Ass'y (Begin #90162).	1
22A	707A6698	Hose Ass'y.....	1
23	707A6313	Hose Ass'y.....	1
23A	707A6699	Hose Ass'y.....	1
24	1219-470	Adapter w/"O" ring.....	6
	1218-34	Ring, "O".....	6

REF.	PART NO.	DESCRIPTION	QTY.
25	1219-441	Adapter w/"O" ring.....	5
	1218-34	Ring, "O".....	5
26		Orbitrol Control Unit.. (See Page 11.1)	1
27	1200-61	Capscrew, 3/8C x 1-1/4.	2
	1210-20	Washer, Lock, 3/8.....	2
28	36560	Wheel (Prior Ser. #90175)..	1
	58623	Wheel (Begin Ser. #90175)..	1
	37593	Cap, Wheel.....	1
	1204-31	Nut, Wheel.....	1
29	707A9089	Hose Ass'y.....	1
30	707A9089	Hose Ass'y.....	1
31	707A9464	Hose Ass'y.....	1
32	707A9464	Hose Ass'y.....	1
33	707A6561	Motor/Pump Ass'y.....	1
	706 8097	Motor (also 203762).....	1
	706 8098	Coupling.....	1
	706 8099	Pump (also 203763).....	1
34	1200-29	Capscrew, 5/16C x 3/4..	4
	1210-17	Washer, Lock, 5/16.....	4
35	1200-1	Capscrew, 1/4C x 3/4...	1
	1210-14	Washer, Lock, 1/4.....	1
	1205-13	Nut, 1/4C.....	1
36	1219-713	Reducer.....	1
37	1219-984	Adapter w/"O" ring.....	1
	1218-34	Ring, "O".....	1
38	1219-464	Adapter, 90".....	1
39	1219-954	Adapter.....	1
40	12019-245	Disconnect, Gauge Tap..	1
	1219-742	Cover, Dust.....	1
41	708A2427	Hose Ass'y.....	1
42	708A2428	Hose Ass'y.....	1
43	708A2429	Hose Ass'y.....	1
44	1219-439	Adapter.....	1
45	708A2431	Hose Ass'y.....	1
46	1219-858	Valve, Check.....	1
47	1219-97	Bushing, Reducing.....	1
48	1219-485	Plug.....	1
49	12019-606	Adapter.....	1
50	708A0927	Aux. Steering Ass'y....	Opt.

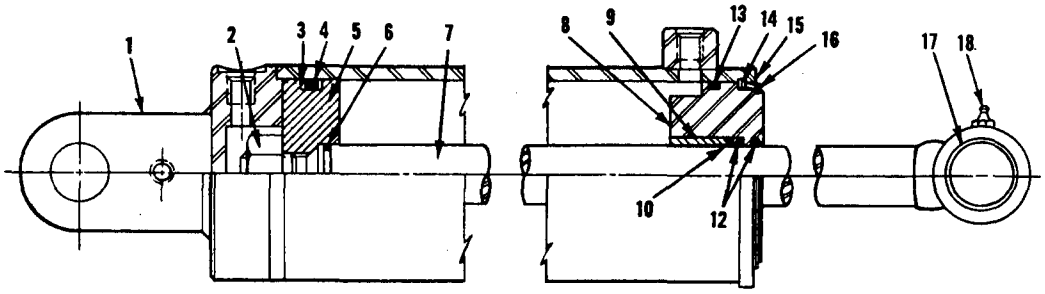


REF.	PART NO.	DESCRIPTION	QTY.
1	49018	Valve (See Page 11.4)..	1
2	1219-624	Plug.....	2
3	1200-95	Capscrew, 1/2C x 1.....	4
	1210-26	Washer, Lock, 1/2.....	4
	1205-58	Nut, 1/2C.....	4
	1209-6	Washer, Plain, 1/2.....	4
4	1219-441	Adapter w/"O" ring.....	8
	1218-34	Ring, "O".....	8
5	707A9088	Hose Ass'y.....	1
6	707A9078	Hose Ass'y.....	1
7	707A9079	Hose Ass'y.....	1
8		Cylinder (See Page 11.5)..	4
9	1219-768	Tee w/"O" ring.....	4
	1218-34	Ring, "O".....	4
10	707A9077	Hose Ass'y.....	4
11	707A9087	Hose Ass'y.....	2
12	707F6879	Pin (Replaces F65167).....	4
13	1200-95	Capscrew, 1/2C x 1.....	8
	1210-26	Washer, Lock, 1/2.....	8
14	707F9211	Pin.....	4
15	707 9209	Spacer.....	4
16	707F9213	Bracket.....	2
17	707 9212	Pin, Dowel.....	4
18	1200-186	Capscrew, 3/4C x 1-3/4.	8
19	1213-3	Fitting, Grease.....	4

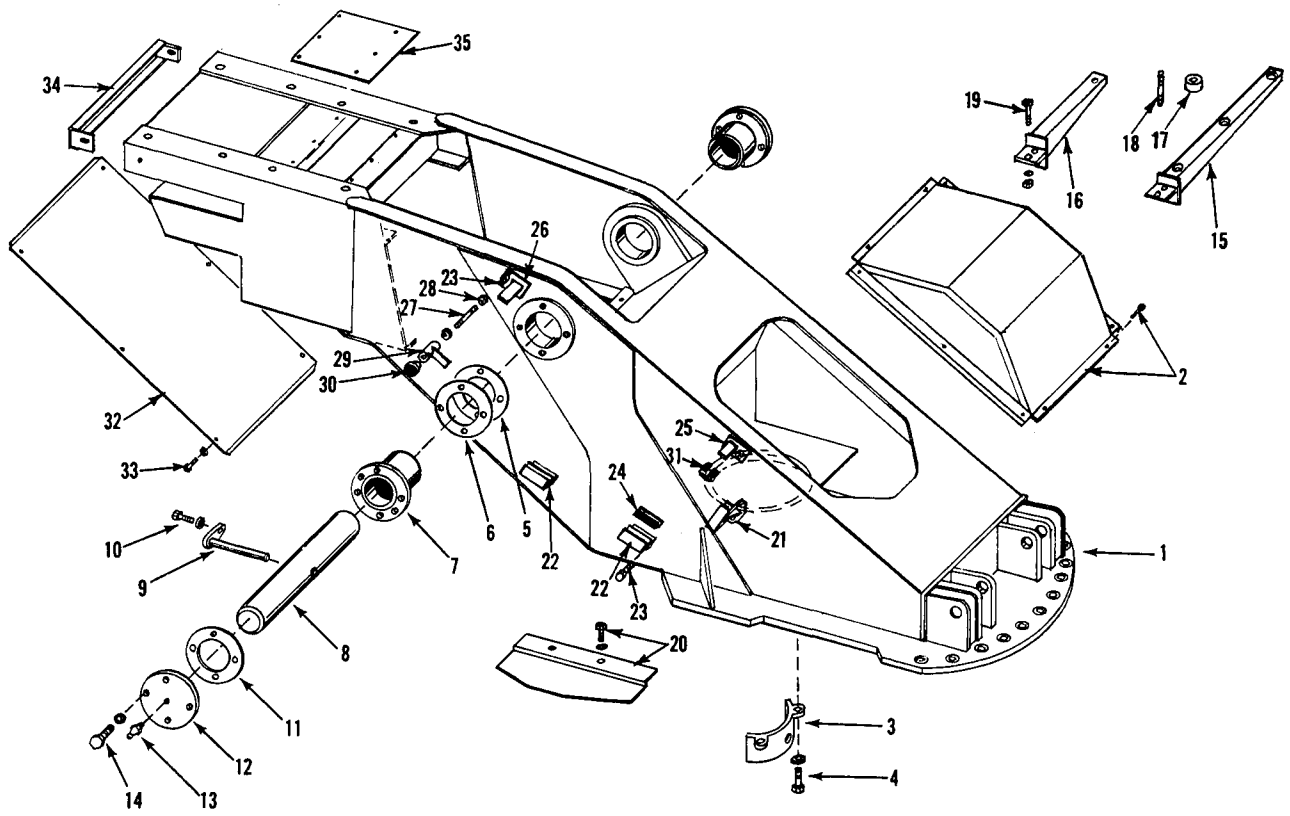


REF.	PART NO.	DESCRIPTION	QTY.
	49018	Valve Assembly..... (Includes Items 1 thru 36)	1
	A29309	Kit, Seal..... (Includes Items shown with an asterisk *)	1
1	26860	Body.....	1
2	26840	Spool.....	1
3	26841	Washer.....	2
4	26842	Spring.....	2
5	26843	Solenoid Assembly..... (Incl. Items 6 thru 21, less coil)	2
6	26808	Plate, End.....	2
7	29595	Screw.....	8
8	29596	Case.....	2
9	26802	Spring.....	2
10	29597	Sleeve, Outer Flux.....	2
11	29598	Sleeve, Inner Flux.....	2
12	29599	Guide, Push Pin.....	2
13	29311	Ring, "O".....	2
14	29624	Pin, Push.....	2
15	29310	Ring, Quad.....	2
16	29602	Cone, Female.....	2

REF.	PART NO.	DESCRIPTION	QTY.
17	29311	Ring, "O".....	2
18	29312	Ring, "O".....	2
19	29602	Pin, Push.....	2
20	29605	Plunger.....	2
21	29607	Tube, Guide.....	2
22	24263	Coil, Solenoid.....	2
23	26845	Ring, "O".....	1
24	26844	Bracket, Mounting.....	2
25		Bolt, 3/8F x 3-1/4.....	3
26		Nut, 3/8F.....	3
	26859	Lock Valve Ass'y..... (Includes items 27 thru 36)	1
27		Body.....	1
28		Piston.....	1
29		Poppet.....	2
30		Ball.....	2
31		Plug.....	2
32	26857	Ring, "O".....	2
33		Spring, small.....	2
34		Spring, large.....	2
35		Capscrew.....	2
36	23290	Ring, "O".....	2



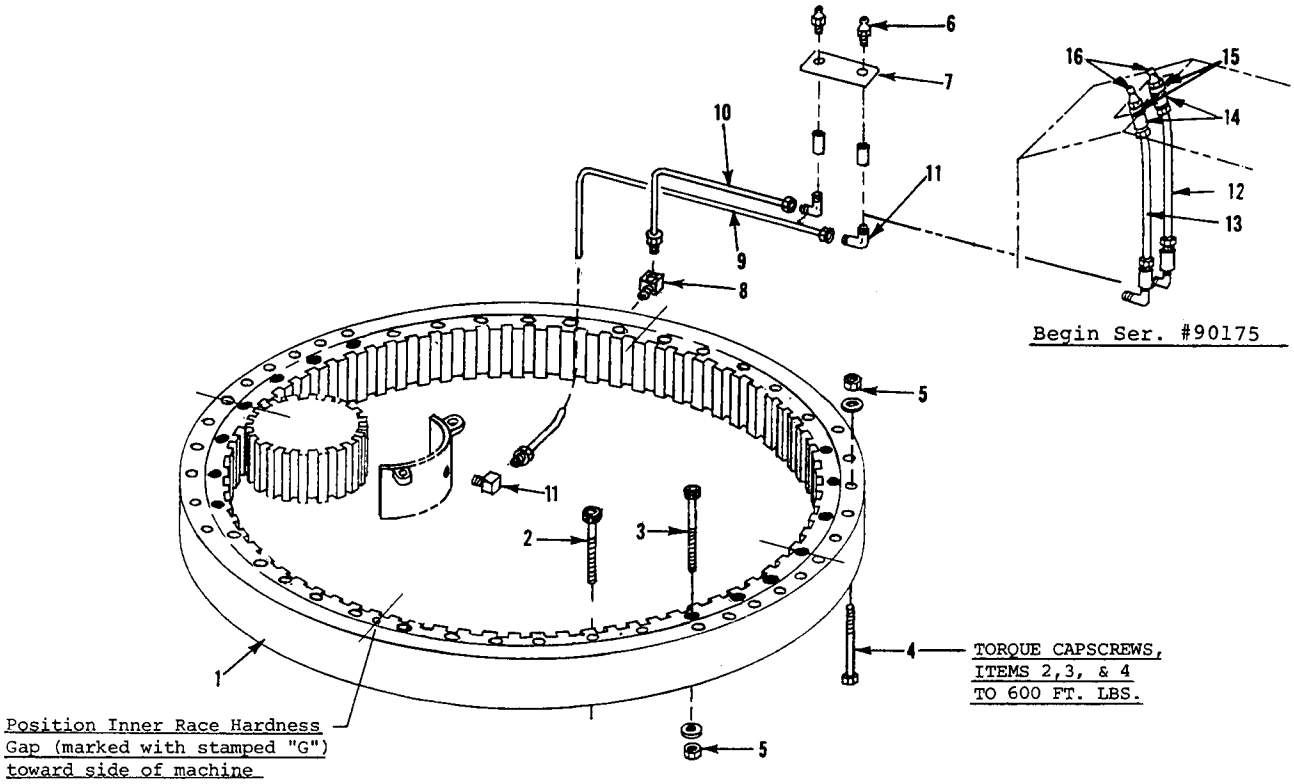
REF.	PART NO.	DESCRIPTION	QTY.
	707 6488	Cylinder..... (Includes Items 1 Thru 18)	4
	201733	Kit, Seal.....As Req'd. (Includes Items 3, 4,6,10,12,13)	
1	201725	Tube.....	1
2		Nut, Jam, 7/8F.....	1
3		Washer, Back-Up.....	2
4		Ring, "O".....	1
5	201726	Piston.....	1
6		Seal, Static.....	1
7	201727	Rod.....	1
8	201728	Gland, Head.....	1
9	28705	Sleeve, Head Gland...	1
10		Ring, "O".....	1
12		Seal, Wiper.....	2
13		Seal.....	1
14	201729	Ring, Lock.....	1
15	201730	Spacer.....	1
16	201731	Ring, Lock.....	1
17	28706	Bushing, Rod.....	2
18	201732	Fitting, Grease.....	1



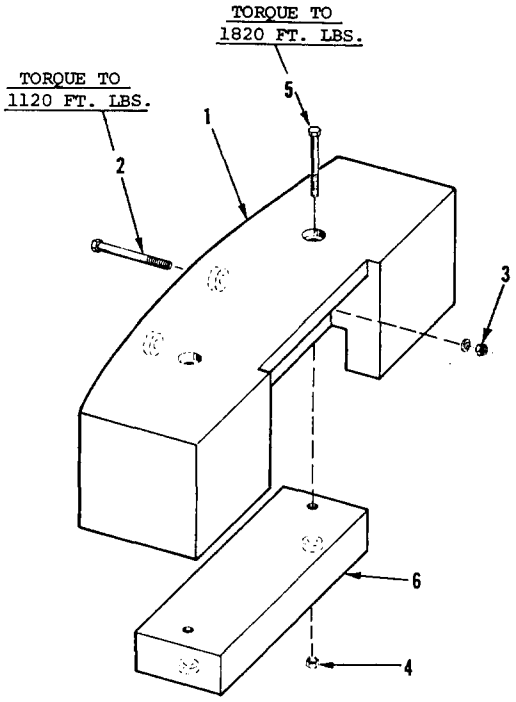
REF.	PART NO.	DESCRIPTION	QTY.
1	707 8117	Upperstructure	1
2	707 8605	Cover	1
	1200-29	Capscrew, 5/16C x 3/4	4
	1209-3	Plainwasher, 5/16	2
3	42689	Cup, Lube	1
4	1200-100	Capscrew, 1/2C x 1-1/2	2
	1210-26	Washer, Lock, 1/2	2
5	707 8190	Shim (16 ga.)	2
6	707 8191	Shim (20 ga.)	2
7	707 8192	Retainer w/Bushing	2
	1214-120	Bushing	2
8	707 8195	Pin, Pivot	1
9	707 8196	Pin	1
10	1200-57	Capscrew, 3/8C x 3/4	1
	1210-20	Washer, Lock, 3/8	1
11	707 8199	Gasket (.03)	2
12	707 8200	Cover	2
13	1213-1	Fitting, Grease	2
14	1200-148	Capscrew, 5/8C x 2	8
	1210-32	Washer, Lock, 5/8	8
15	707F8914	Mount, Front (Repl.707F8309)	1 *
16	707F8918	Mount, Rear (Repl.707F8302)	1 *
17	707 8922	Boss (Repl.707 8301)	1
18	707 8923	Stud (Repl.707 8300)	1

REF.	PART NO.	DESCRIPTION	QTY.
19	1200-156	Capscrew, 5/8C x 3	4
	1210-32	Washer, Lock, 5/8	4
	1205-80	Nut, 5/8C	4
20	707 9466	Cover	1
	1200-140	Capscrew, 5/8C x 1	2
	1210-32	Washer, Lock, 5/8	2
21	707F8641	Bracket	1
22	707F8630	Bracket	2
23	1200-59	Capscrew, 3/8C x 1	10
	1210-20	Washer, Lock, 3/8	10
24	12188-4	Channel	3
25	707F8767	Bracket	1
26	707F8768	Bracket	1
27	707 8633	Stud	2
28	1205-45	Nut, 3/8C Elastic	4
29	707F6609	Ear	2
30	1221-81	Knob	2
31	12182-1.5	Trim	2
32	707 8169	Cover	1
33	1200-59	Capscrew, 3/8C x 1	6
	1210-20	Washer, Lock, 3/8	6
34	708 0351	Bracket (Replaces 707 8898)	1
35	707 8890	Plate	As Req'd.

* Only Current Parts available - Order items 15 thru 18

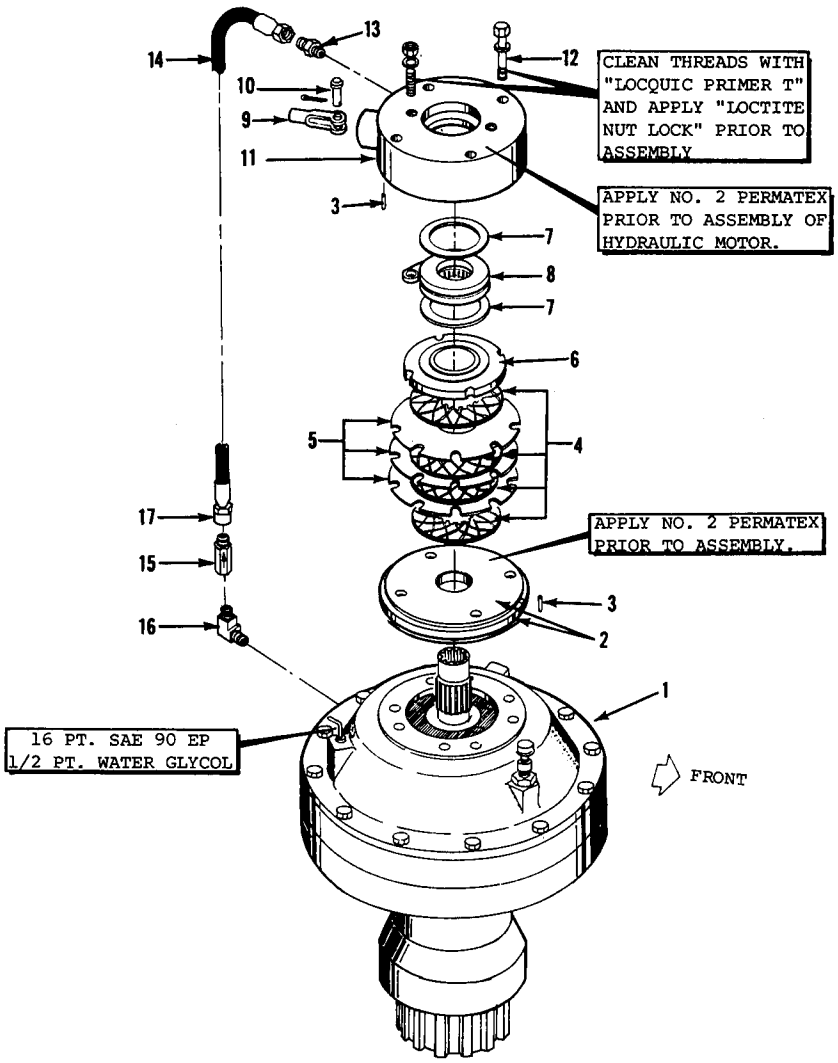


REF.	PART NO.	DESCRIPTION	QTY.
1	57050	Bearing (Prior Ser #90131).	1
	201166	Seal (Upper & Lower)	2
1	705 5050	Bearing (Begin Ser #90131).	1
	204534	Seal, Upper.....	1
	204535	Seal, Lower.....	1
2	1203-203	Capscrew..... (7/8C x 5-1/2 Sock. Gr. 8)	22
3	1203-200	Capscrew..... (7/8C x 6-1/2 Sock. Gr. 8)	14
4	1242-97	Capscrew..... (7/8C x 6-1/2 Gr. 8)	22
5	1205-113	Nut, 7/8C Elastic.....	27
	1209-61	Washer, 7/8.....	27
	1205-202	Nut, 7/8C Hi-Tensile....	2
6	1213-3	Fitting, Grease.....	2
7	12260-258	Plate, Decal.....	1
8	1219-40	Elbow.....	2
9	707 8115	Tube (5/16").....	1
10	707 6715	Tube (1/4").....	1
11	1219-82	Elbow.....	2
12	43480	Tube.....	1
13	43480	Tube.....	1
14	1219-757	Connector.....	4
15	706 9736	Spacer.....	2
	1209-3	Plainwasher.....	2
16	1213-2	Fitting, Grease.....	2

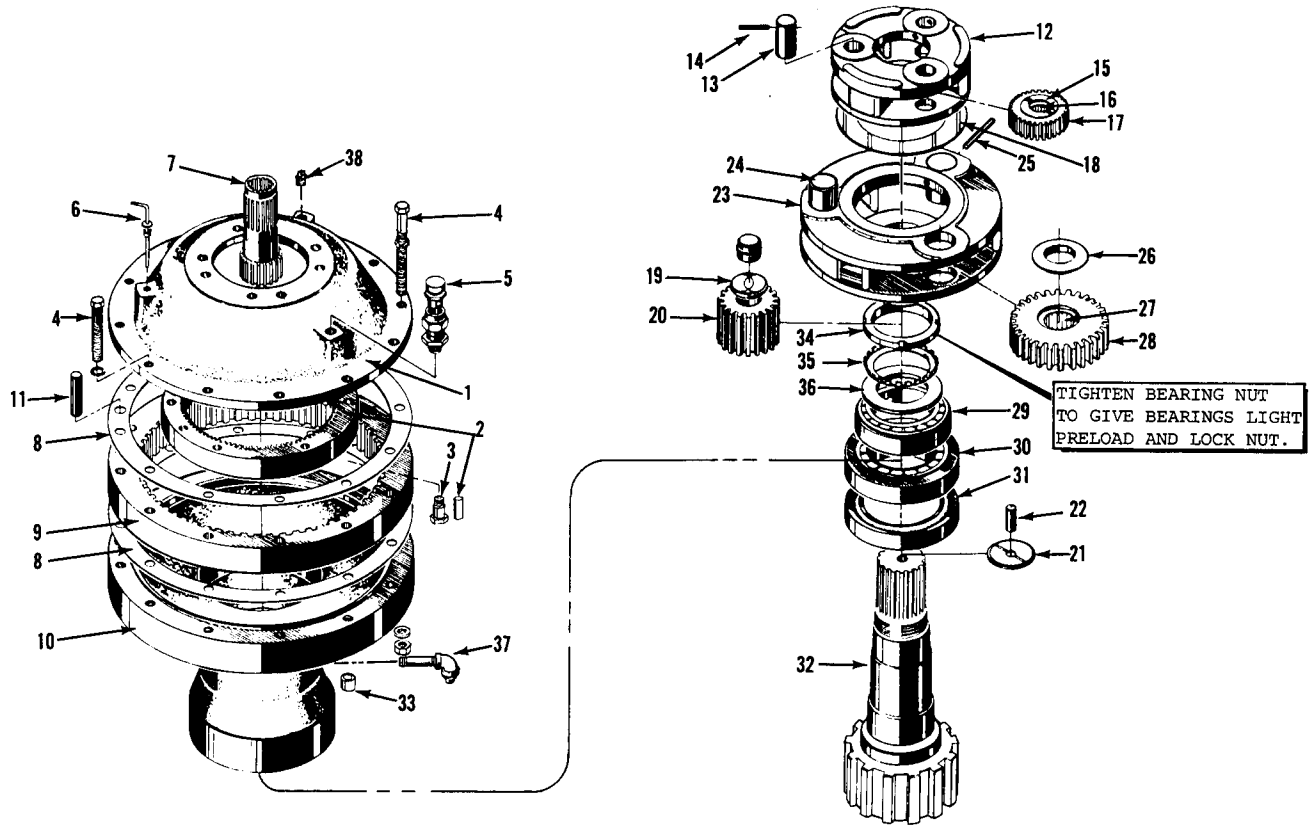


THE 800 LB. COUNTERWEIGHT IS NOT APPLICABLE WHEN THE MACHINE IS EQUIPPED WITH AN AUXILIARY WINCH OPTION

REF.	PART NO.	DESCRIPTION	QTY.	
	707A8243	Counterweight Ass'y.... (5100 Lb. - Incl. 1 thru 6)	1	
1	707B6865	Counterweight, 4300#...	1	(Replaces 707 6361)
2	1235-300	Bolt, Machine, 1-1/4C x 11..	2	
3	1205-133	Nut.....	2	
	42395	Washer.....	2	
4	1204-25	Nut, 1-1/4C Elastic....	2	
5	F43024	Bolt.....	2	
6	707B6997	Counterweight, 800#....	1	(Replaces 707 6389)

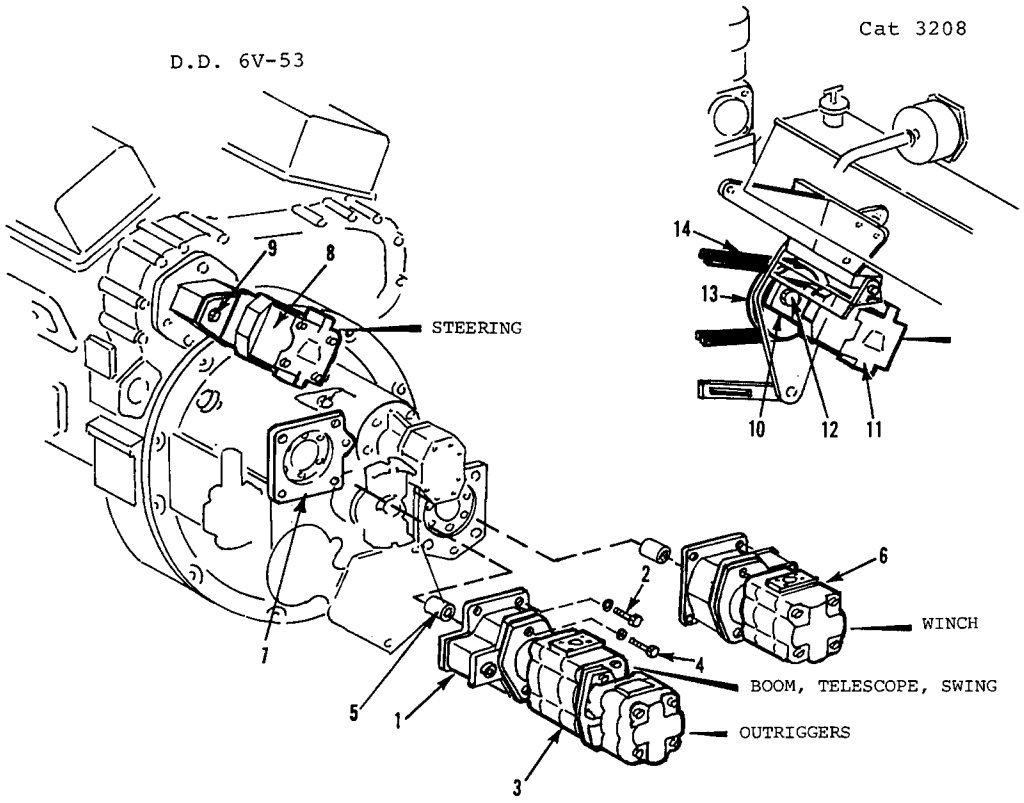


REF.	PART NO.	DESCRIPTION	QTY.
	707A8175	Swing Speed Reducer... (Incl. 1 Thru 17)	1
1	707A8176	Reduction Ass'y..... (See Page 22.2)	1
2	706 5732	Plate.....	1
	706 8960	Shim (Repl. 46135).....	2
3	1222-16	Pin, Dowel.....	2
4	46151	Disc, Friction.....	4
5	46152	Plate.....	3
6	706 5737	Piston.....	1
7	1209-78	Bushing (Fiberglide)..	2
8	25568	Actuator.....	1
9	3118	Yoke.....	1
10	3119	Pin.....	1
	1207-5	Pin, Cotter.....	1
11	707 8749	Housing (Repl. 706 5731)..	1
12	706 5736	Stud.....	4
	1210-26	Washer, Lock.....	4
	1205-67	Nut.....	4
	1218-179	Ring, "O".....	4
13	1219-685	Adapter.....	1
14	707A8177	Hose Ass'y.....	1
15	12019-341	Valve, Check.....	1
16	12019-174	Adapter, 90°.....	1
17	1219-427	Coupling.....	1

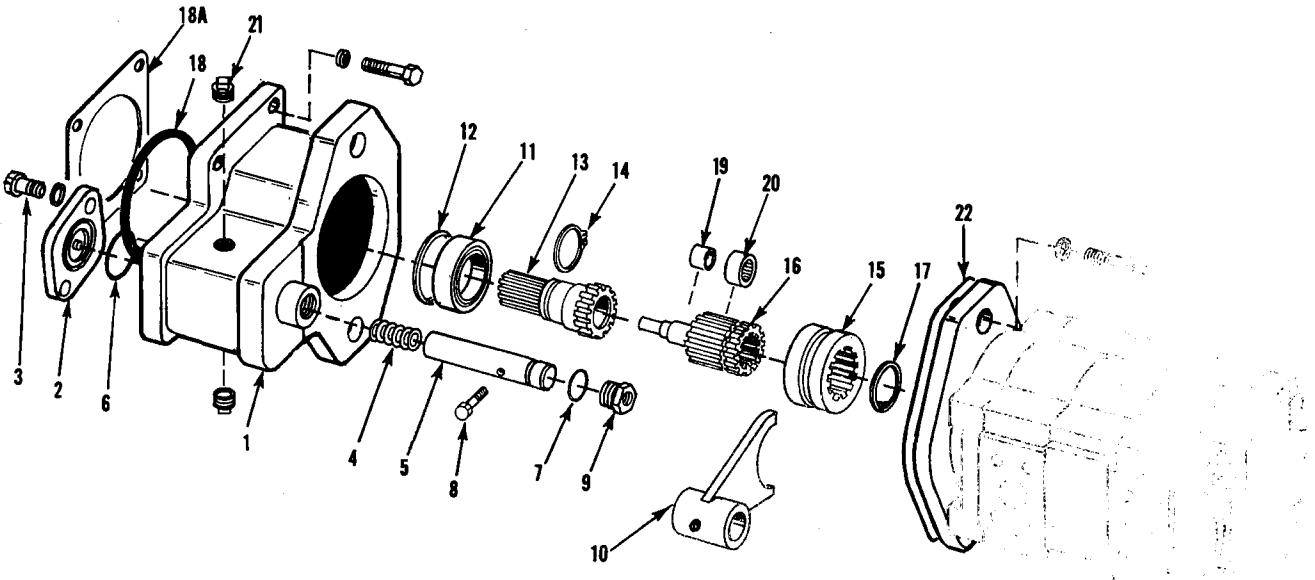


REF.	PART NO.	DESCRIPTION	QTY.
	707A8176	Reduction Unit..... (Includes Items 1 Thru 37)	1
1	A46083	Case Ass'y..... (Includes Items 2,3)	1
2	A25972	Gear Ass'y..... (Includes Gear #36520 & Dowel Pin #46082 - See Service Bulletin #243)	1
3	1203-14	Capscrew, 5/16C x 1-1/2. (Socket Head)	5
	1203-134	Screw, Shoulder.....	1
4	1200-128	Capscrew, 1/2C x 5-1/2..	9
	1209-29	Washer.....	9
	1200-118	Capscrew, 1/2C x 3-3/4..	3
	1210-26	Washer, Lock, 1/2.....	3
5	1213-37	Breather.....	1
	1219-18	Coupling.....	1
	1219-10	Nipple.....	1
	1219-116	Bushing.....	1
6	F36540	Dipstick.....	1
	1218-31	Ring, "O".....	1
7	37717	Shaft, Input.....	1
8	36527	Shim.....	2
9	707 8178	Gear.....	1
10	42400	Case.....	1
11	705 5145	Pin, Dowel.....	2
12	36544	Carrier, Planet.....	1
13	36545	Shaft.....	3
14	1227-260	Pin, Roll.....	3
15	36535	Bushing.....	6

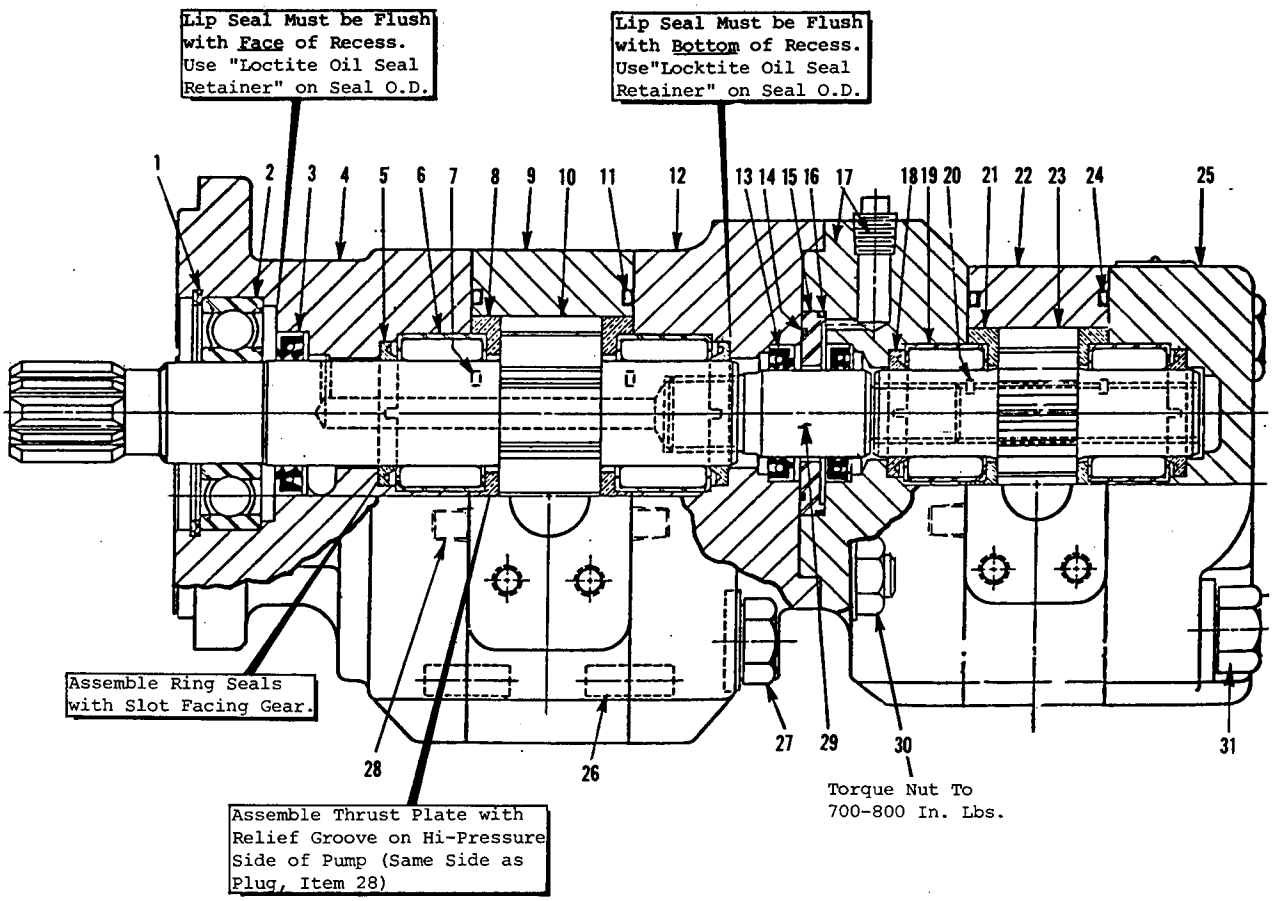
REF.	PART NO.	DESCRIPTION	QTY.
16	1217-250	Bearing, Roller.....	3
17	36512	Gear.....	3
18	36524	Bushing.....	1
19	36533	Bushing.....	1
20	36511	Gear.....	1
21	42234	Bushing.....	1
22	1227-392	Pin, Roll.....	1
23	36542	Carrier, Planet.....	1
24	36525	Shaft.....	3
25	1227-264	Pin, Roll.....	3
26	36526	Bushing.....	6
27	1217-251	Bearing, Roller.....	3
28	36519	Gear.....	3
29	1217-273	Cup.....	1
	1217-274	Cone.....	1
30	1217-275	Cup.....	1
	1217-276	Cone.....	1
31	1218-123	Seal.....	1
32	42401	Gear.....	1
33	12014-2	Bushing.....	1
34	1228-13	Nut, Lock.....	1
35	1228-15	Washer, Lock.....	1
36	1228-16	Washer.....	1
37	1219-537	Plug.....	
	1219-75	Elbow.....	1
	12019-30	Nipple.....	1
38	12019-428	Plug.....	1



REF.	PART NO.	DESCRIPTION	QTY.
1	707A9249	Pump Drive Ass'y..... (See Page 24.2)	2
2	1203-86	Capscrew, 1/2C x 1-1/2 sock.	8
3	707 9000	Pump, Tandem..... (See Page 24.3)	1
4	1200-146	Capscrew, 5/8C x 1-3/4.	4
	1210-32	Washer, Lock, 5/8.....	4
5	707 9403	Sleeve.....	2
6	707 9001	Pump..... (See Page 24.4)	1
7	707 9104	Adapter.....	1
8	707 9010	Pump (D.D. 6V-53)..... (See Page 24.5)	1
9	1200-63	Capscrew, 3/8C x 1-1/2.	2
	1210-20	Washer, Lock, 3/8.....	2
10	1239-15	Gasket.....	2
11	707 9551	Pump (Cat 3208)..... (See Page 24.5)	1
12	1200-63	Capscrew, 3/8C x 1-1/2.	2
	1210-20	Washer, Lock, 3/8.....	2
	1205-36	Nut, 3/8C.....	2
13	1261-107	Sheave.....	1
14	1261-108	Belt Set.....	1

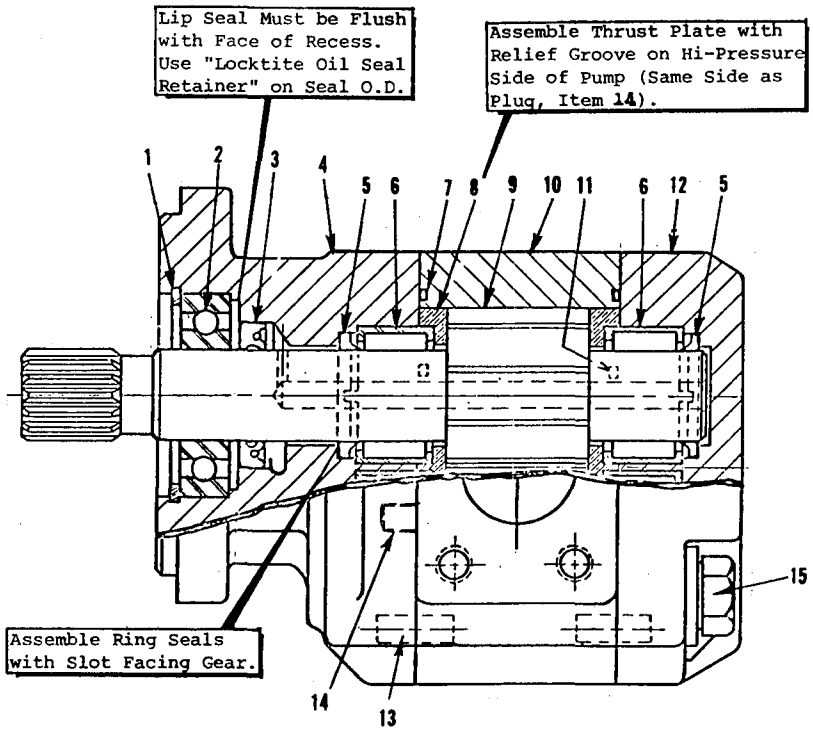


REF.	PART NO.		DESCRIPTION	QTY.	
		707A9249	Pump Drive Ass'y..... (Includes Items 1 thru 22)	1	
1	707F9250	708F0094	Case..... (708F0094 replaces 707F9250, Requires Items 9, 18A)	1	
2	707 9260		Cover.....	1	
3	1203-146		Capscrew, 3/8C x 1 Nylok ..	2	
4	707 9105		Spring (Air Control).....As Req'd.		Prior Ser. #90000
	708 0139		Spring (Mechanical Control).	1	Begin Ser. #90000
5	707 9261		Piston.....	1	Prior Ser. #90150
	708 0269		Piston.....	1	Begin Ser. #90150
6	1218-81		Ring, "O".....	1	
7	1218-27		Ring, "O".....	1	Prior Ser. #90150
	1218-260		Ring, "O".....	1	Begin Ser. #90150
8	1203-208		Capscrew, 5/16C x 3/4..... (Nylok, Socket Head)	1	
9	707 9262	12019-433	Plug w/"O" ring.....	1	
	1218-64	1218-65	Ring, "O".....	1	
10	707F9256		Yoke.....	1	
11	1217-286		Bearing.....	1	
12	1220-99		Ring, Snap.....	1	
13	707 9007		Pinion.....	1	
14	1220-100		Ring, Snap.....	1	
15	707 9008		Coupling.....	1	
16	707 9009		Shaft.....	1	
17	1220-101		Ring, Snap.....As Req'd.		
18	1218-244		Ring, "O".....	1	
18A		1239-12	Gasket.....	1	
19	1217-345		Bearing, Needle.....	1	
20	1217-346		Bearing, Needle.....	1	
21	1219-112		Plug, 3/4 npt.....	2	
22	1239-15		Gasket.....	1	

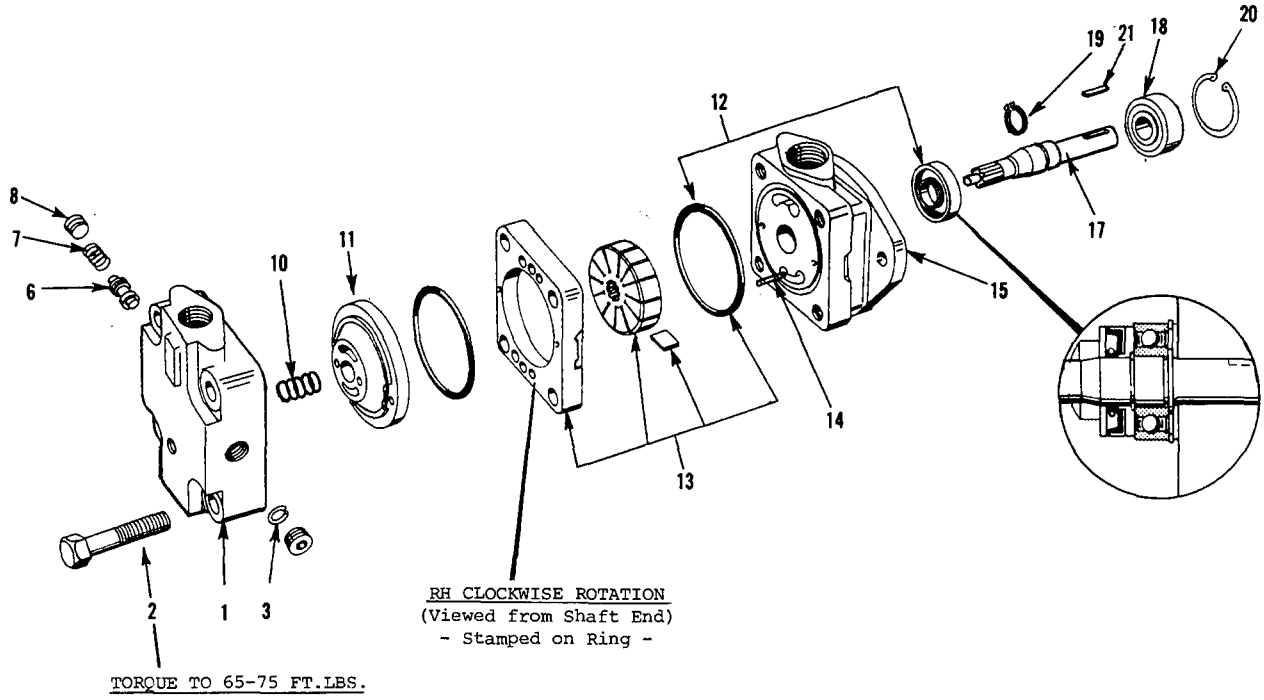


REF.	PART NO.	DESCRIPTION	QTY.
	707 9000	Pump, Complete.....	1
	A201932	Kit, Seal..... (Incl. Items 3,5,7,11, 13,14,16,18,20,24)	1
1	29058	Ring, Snap.....	1
2	29061	Bearing, Ball.....	1
3	28000	Seal, Lip.....	1
4	201925	Cover, Shaft End.....	1
5	29059	Seal, Ring.....	2
6	23648	Bearing, Roller.....	4
7	24250	Strip, Pocket Seal.....	1
8	28001	Plate, Thrust.....	2
9	201926	Housing, Gear.....	1
10	201928	Gear Set, Drive.....	1
11	28005	Seal, Gasket.....	2
12	201929	Cover, Port End.....	1
13	24244	Seal, Lip.....	2
14	25888	Ring, "O".....	1
15	28171	Retainer, Seal.....	1
16	23643	Ring, "O".....	1

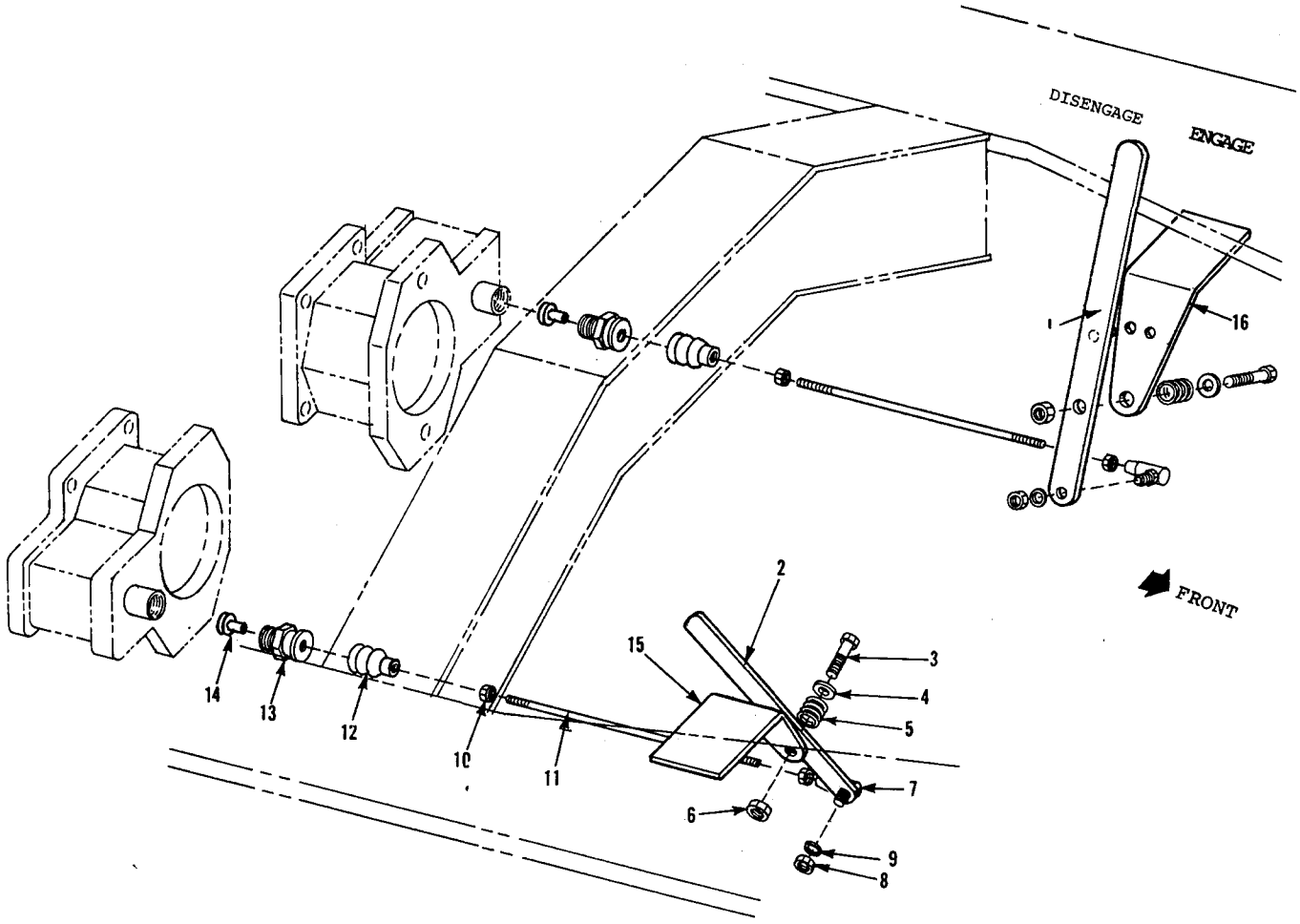
REF.	PART NO.	DESCRIPTION	QTY.
17	28170	Cover, Shaft End.....	1
	28172	Plug, Pipe.....	1
18	24982	Seal, Ring.....	2
19	24248	Bearing, Roller.....	4
20	24250	Seal, Pocket (Strip)...	1
21	24249	Plate, Thrust.....	2
22	201122	Housing, Gear.....	1
23	28178	Gear Set.....	1
24	24252	Seal, Gasket.....	2
25	24258	Cover, Port End.....	1
26	28006	Pin, Dowel.....	4
27	29771	Capscrew.....	4
	24259	Washer.....	4
28	24674	Plug.....	3
29	201930	Shaft, Connecting.....	1
30	201931	Stud.....	2
	24731	Nut.....	2
	25890	Washer, Lock.....	2
31	28179	Capscrew.....	4
	24259	Washer.....	4



REF.	PART NO.	DESCRIPTION	QTY.
	707 9001	Pump.....	1
	A28013	Kit, Seal..... (Incl. Items 3,5,7,11)	1
1	29058	Ring, Snap.....	1
2	29061	Bearing.....	1
3	28000	Seal, Lip.....	1
4	201925	Cover, Shaft Seal.....	1
5	27998	Seal, Ring.....	2
6	23648	Bearing, Roller.....	4
7	28005	Seal, Gasket.....	2
8	28001	Plate, Thrust.....	2
9	201927	Gear Set.....	1
10	201926	Housing, Gear.....	1
11	24250	Strip, Pocket Seal.....	1
12	28003	Cover, Port End.....	1
13	28006	Pin, Dowel.....	4
14	24674	Plug.....	1
15	29771	Capscrew.....	4
	24259	Washer.....	4

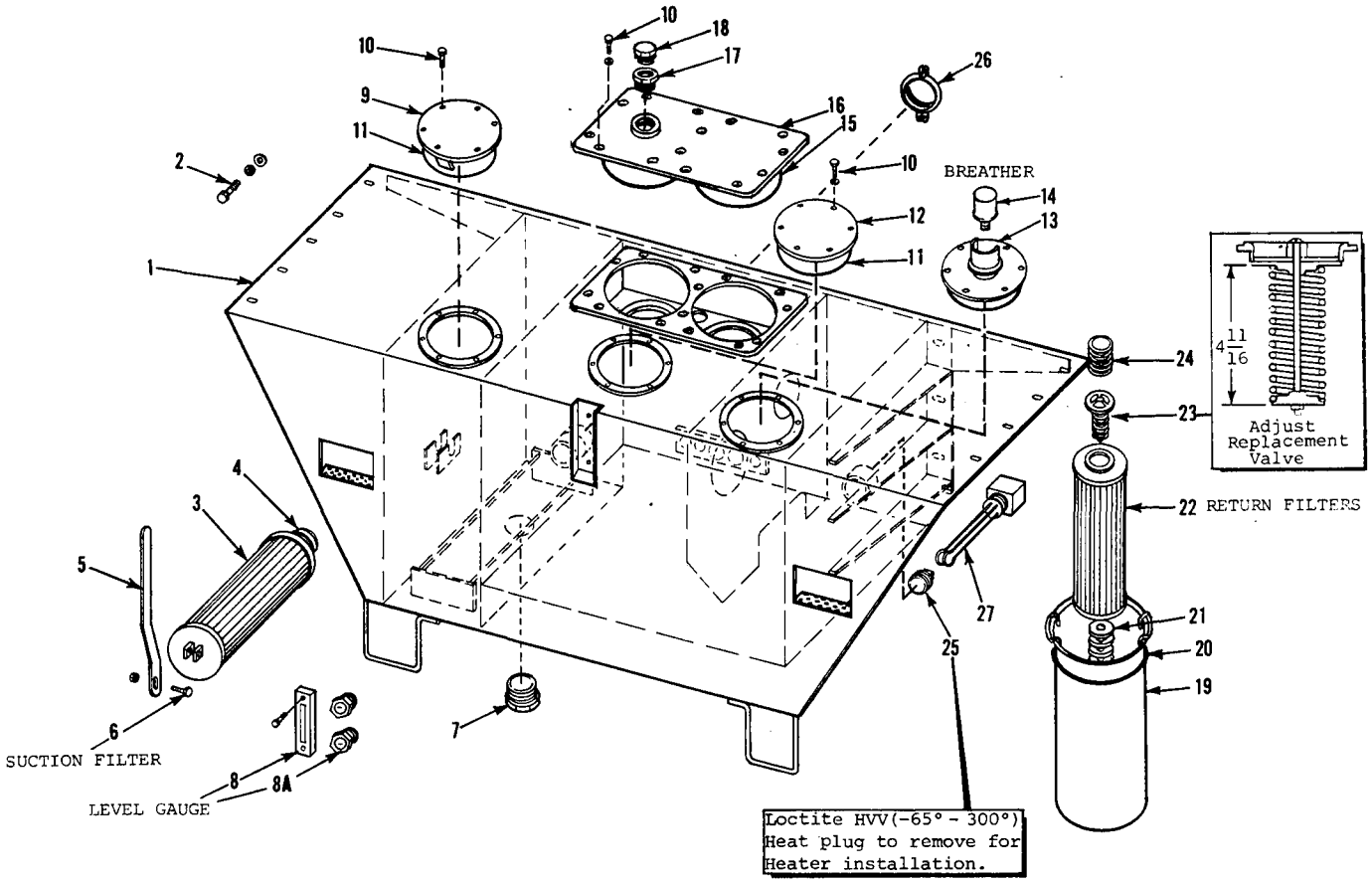


REF.	PART NO.	DESCRIPTION	QTY.
	707 9010	Pump, LH Rotation (D.D.)..	1
	707 9551	Pump, RH Rotation (Cat)...	1
1	24367	Cover.....	1
2	201781	Screw.....	4
3	24350	Ring, Snap.....	1
6	24069	Relief Ass'y.....	1
7	24369	Spring.....	1
8	24355	Plug.....	1
10	24370	Spring.....	1
11	201782	Pressure Plate w/Bushing.	1
	24372	Bushing.....	1
12	24373	Kit, Seal.....	1
13	29556	Kit, Cartridge.....	1
14	29557	Pin.....	2
15	24375	Body.....	1
17	201783	Shaft.....	1
18	24365	Bearing.....	1
19	24377	Ring, Snap.....	1
20	24366	Ring, Snap.....	1
21	205410	Key, Shaft (1-5/8 x 3/16).	1



REF.	PART NO.	DESCRIPTION	QTY.	
	708A0165	Disconnect Ass'y..... (Includes Items 1 thru 14)	1	
	A204084	Disconnect Ass'y.....As Req'd. (Includes Items 1 thru 16, For Field Installation)		
1	708F0134	Lever, LH.....	1	
2	708F0132	Lever, RH.....	1	
3	1200-106	Capscrew, 1/2C x 2-1/4.	2	
4	1209-6	Washer, Plain, 1/2.....	2	
5	708 0139	Spring.....	2	
6	1205-67	Nut, 1/2C Elastic.....	2	
7	1222-160	Ball Joint.....	2	
8	1205-32	Nut, 5/16C Nylok.....	2	
9	1210-17	Washer, Lock, 5/16.....	2	
10	1205-28	Nut, 5/16F Jam.....	4	
11	708 0129	Rod (D.D. 6V-53).....	2	
	708 0192	Rod (Cat 3208).....	2	
12	1221-99	Boot.....	2	
13	708 0141	Adapter.....	2	- Prior Ser. #90150
14	708 0137	Plunger.....	2	- Not Req'd. with new Piston
15	708 0136	Bracket, RH (Welded).....	1	
16	708 0135	Bracket, LH (Welded).....	1	

- Begin Serial #90010 -

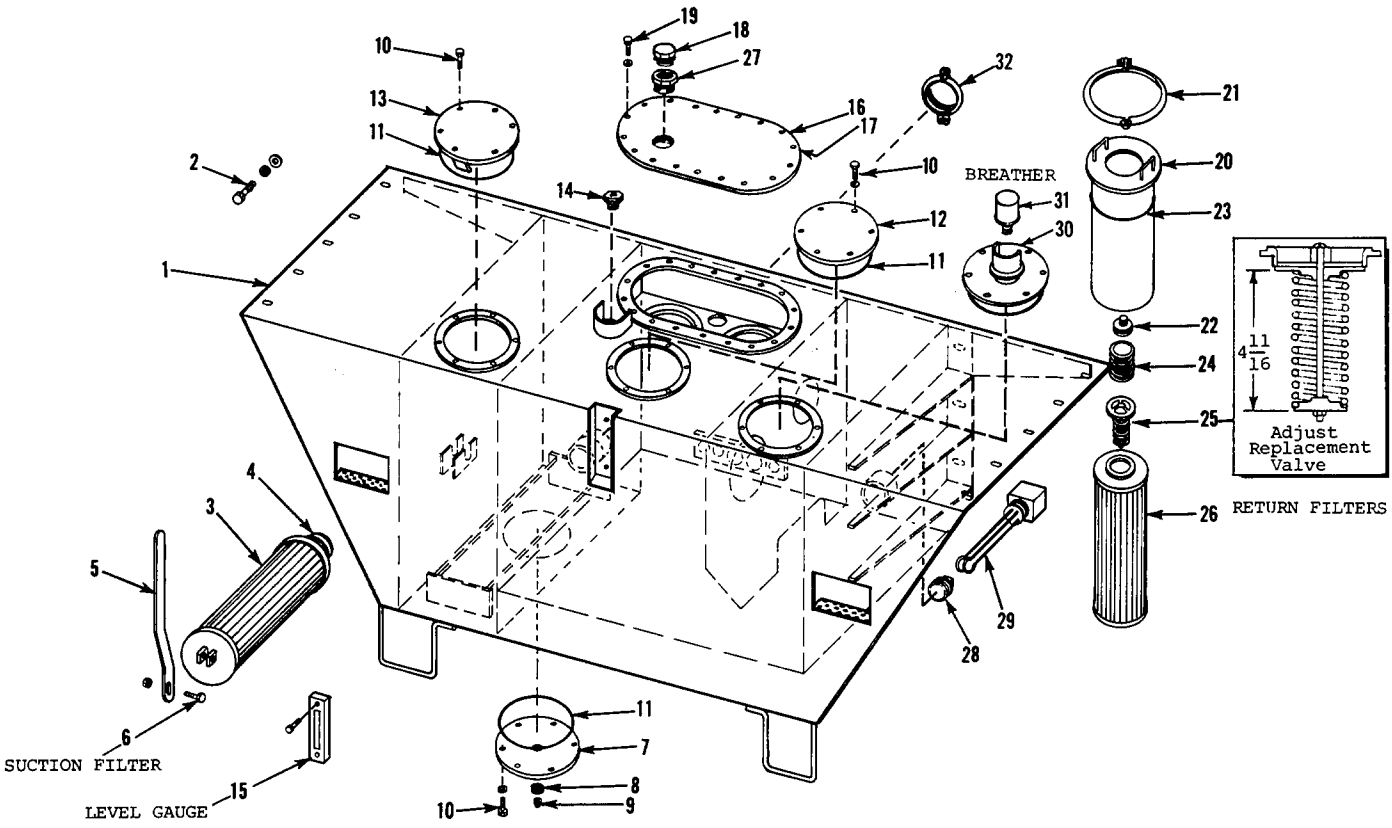


REF.	PART NO.	DESCRIPTION	QTY.
1	707F9630	Reservoir.....	1
2	1200-190	Capscrew, 3/4C x 2-1/4.	6
	1210-38	Washer, Lock, 3/4.....	6
	1209-9	Washer, Plain, 3/4.....	6
3	1252-5	Filter, Suction.....	1
4	1218-194	Ring, "O".....	1
5	707F7605	Lever.....	1
6	1200-102	Capscrew, 1/2C x 1-3/4.	1
	1205-65	Nut, 1/2C Elastic.....	1
7	1219-783	Plug.....	1
8	1245-135	Gauge, Oil Level.....	1
8A	1222-283	Gauge, Oil Level.....	2
9	707F7558	Cover.....	1
10	1200-59	Capscrew, 3/8C x 1.....	28
	1210-20	Washer, Lock, 3/8.....	28
11	1218-89	Ring, "O".....	3
12	707 9404	Cover.....	1
13	707F9610	Cover.....	1
14	1222-161	Filter/Breather.....	1
15	1218-195	Ring, "O".....	2
16	707F9687	Cover.....	1

REF.	PART NO.	DESCRIPTION	QTY.
17	707 7594	Cap w/"O" ring.....	1
	1218-133	Ring, "O".....	1
18	12019-225	Plug w/"O" ring.....	1
	1218-34	Ring, "O".....	1
19	705F5414	Canister.....	2
20	1218-230	Ring, "O".....	2
21	1219-871	Magnet.....	2
22	705 5098	Filter.....	2
23	22919	Valve, By-Pass.....	2
24	22920	Spring.....	2
25	1219-869	Plug, 2".....	1
26	1219-881	Joint.....	1
	25136	Clamp only.....	1
	1218-134	Seal only.....	1
	A38556	Immersion Heater Ass'y .. (Includes Items 27 below)	Opt.
27	38552	Heater.....	1
	1223-478	Plug.....	1
	12239-36	Cord (3-Wire).....	1
	1223-479	Connector, 3/4" Screw..	1

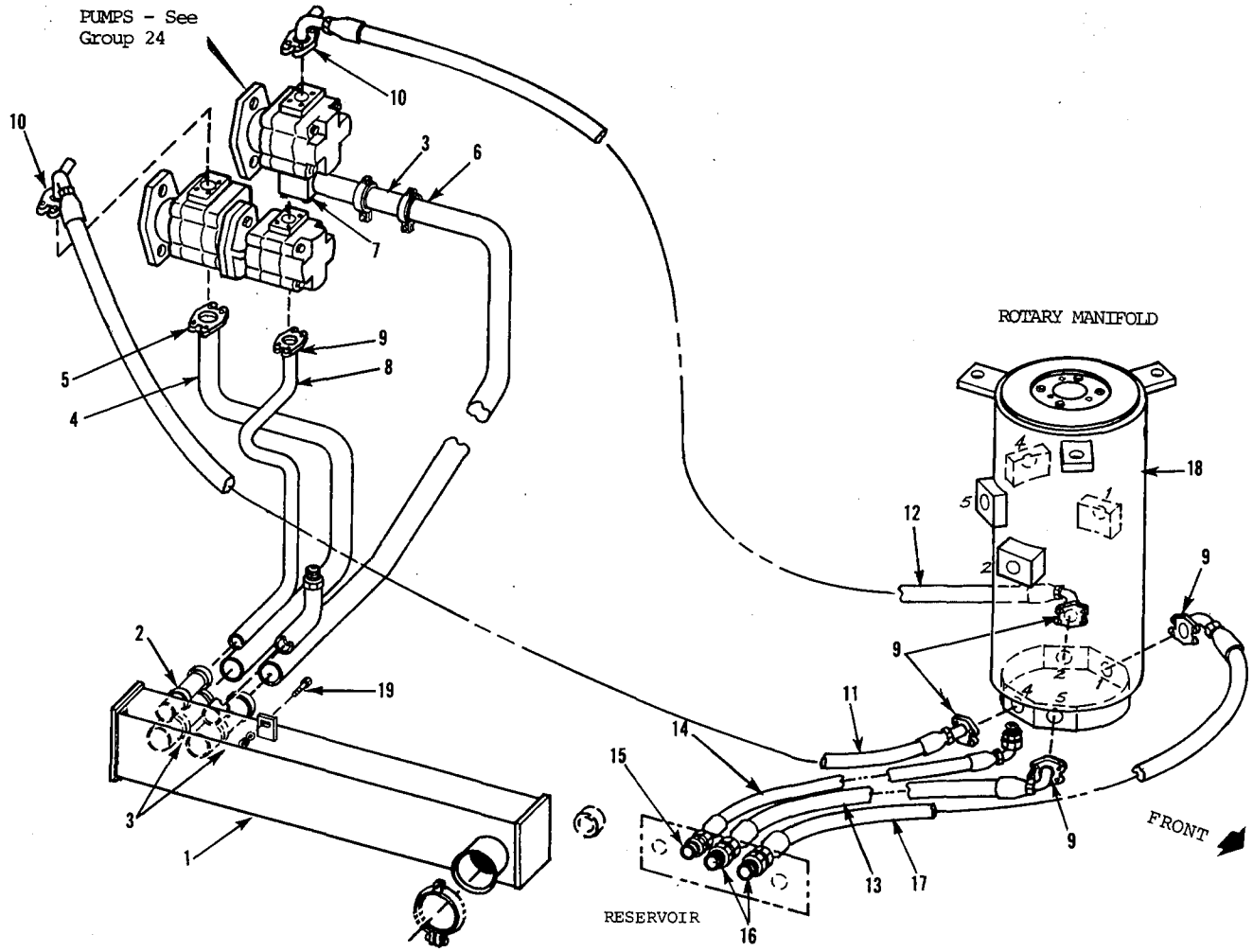
Ref.: 203070

- Prior Serial #90010 -



REF.	PART NO.	DESCRIPTION	QTY.
1	707F9392	Reservoir.....	1
2	1200-98	Capscrew, 1/2C x 1-1/4.	6
	1210-26	Washer, Lock, 1/2.....	6
	1209-6	Washer, Plain, 1/2.....	6
3	1252-5	Filter, Suction.....	1
4	1218-66	Ring, "O".....	1
5	707F7605	Lever.....	1
6	1200-102	Capscrew, 1/2C x 1-3/4.	1
	1205-65	Nut, 1/2C Elastic.....	1
7	707F7596	Cover.....	1
8	37558	Plug, Drain.....	1
9	1219-38	Plug, Drain, 1/8".....	1
10	1200-59	Capscrew, 3/8C x 1.....	24
	1210-20	Washer, Lock, 3/8.....	24
11	1218-89	Ring, "O".....	4
12	707 9404	Cover.....	1
13	707F7558	Cover.....	1
14	1219-21	Plug (Repl. 707 7414 Breather).	1
15	1245-135	Gauge, Oil Level.....	1
16	707F7595	Cover.....	1
17	707 7607	Gasket.....	1
18	1219-485	Plug w/"O" ring.....	1
	1218-64	Ring, "O".....	1

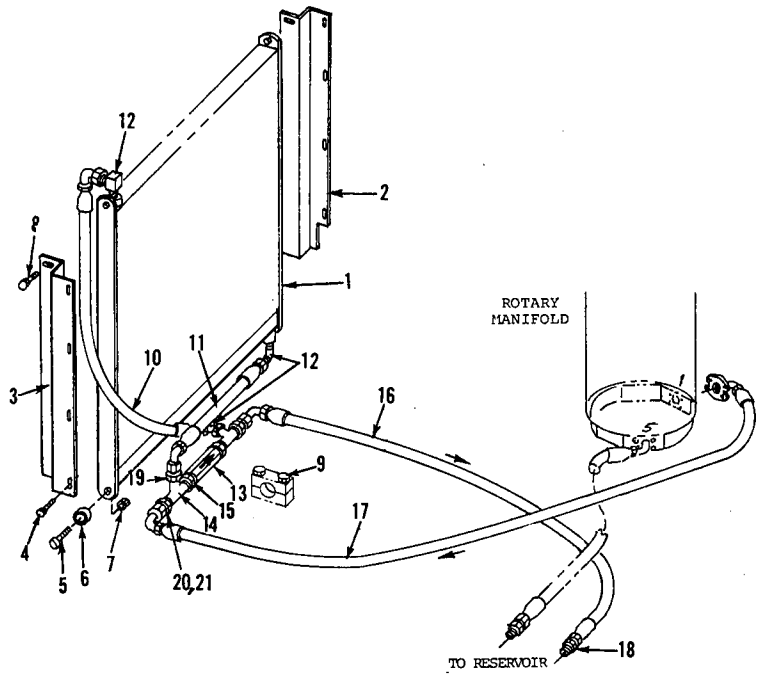
REF.	PART NO.	DESCRIPTION	QTY.
19	1200-57	Capscrew, 3/8C x 3/4...	18
	1210-20	Washer, Lock, 3/8.....	18
20	707F7598	Canister.....	2
21	12019-422	Joint.....	2
22	1219-871	Magnet.....	2
23	1218-243	Ring, "O".....	2
24	22920	Spring.....	2
25	22919	Valve, By-Pass.....	2
26	705 5098	Filter (Replaces 41181)....	2
27	707 7594	Cap.....	1
	1218-133	Ring, "O".....	1
28	1219-869	Plug, 2".....	1
29	A38556	Immersion Heater Ass'y....	Opt.
		(Includes Items Below)	
	38552	Heater.....	1
	1223-478	Plug.....	1
	12239-36	Cord (3-wire).....	1
	1223-479	Connector, 3/4" Screw..	1
30	707F9610	Cover.....	1
31	1222-161	Filter/Breather.....	1
32	1219-881	Joint.....	1
	25136	Clamp only.....	1
	1218-134	Seal only.....	1



REF.	PART NO.	DESCRIPTION	QTY.
1	707F9025	Manifold, Suction.....	1
2	1219-707	Joint, Flexmaster (1-1/4").	1
	1218-113	Seal only.....	1
	29701	Clamp only.....	1
3	1219-891	Joint, Flexmaster (2")....	3
	1218-135	Seal only.....	3
	25137	Clamp only.....	3
4	707 9024	Tube (DD 6V-53).....	1
	707 9550	Tube (Cat 3208).....	1
5	1219-885	Clamp, Split Flange....	2
	1218-126	Ring, "O".....	1
	1200-100	Capscrew, 1/2C x 1-1/2.	4
	1210-26	Washer, Lock, 1/2.....	4
6	707 9043	Tube (DD 6V-53).....	1
	707 9549	Tube (Cat 3208).....	1
7	707F9499	Manifold (Repl. 707F9022)..	1
	1218-126	Ring, "O".....	1
	1200-118	Capscrew, 1/2C x 3-3/4.	4
	1210-26	Washer, Lock, 1/2.....	4
8	707 9023	Tube (DD 6V-53).....	1
	707 9548	Tube (Cat 3208).....	1
9	1219-665	Clamp, Split Flange....	10
	1218-103	Ring, "O".....	5
	1200-61	Capscrew, 3/8C x 1-1/4.	20
	1210-20	Washer, Lock, 3/8.....	20

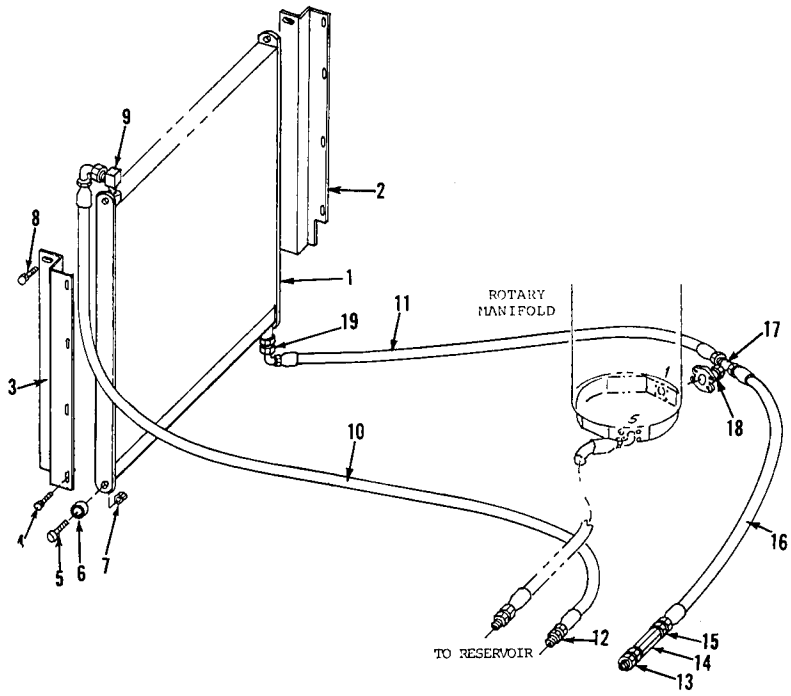
REF.	PART NO.	DESCRIPTION	QTY.
10	1219-390	Clamp, Split Flange....	4
	1218-72	Ring, "O".....	2
	1200-100	Capscrew, 1/2C x 1-1/2.	8
	1210-26	Washer, Lock, 1/2.....	8
11	707A9075	Hose Ass'y.....	1
12	707A9076	Hose Ass'y.....	1
13	707A9069	Hose Ass'y.....	1
14	707A9609	Hose Ass'y..... (Repl. 707A9081 Prior #61366)	1
15	1219-446	Adapter w/"O" ring.....	1
	1218-34	Ring, "O".....	1
16	1219-386	Adapter w/"O" ring.....	2
	1218-65	Ring, "O".....	2
17	707A9502	Hose Ass'y.....	1
18		Manifold, Rotary..... (See Page 25.6)	1
19	1200-61	Capscrew, 3/8C x 1-1/4.	2
	1210-20	Washer, Lock, 3/8.....	2
	1205-36	Nut, 3/8C.....	2

- Prior Serial #62140 -

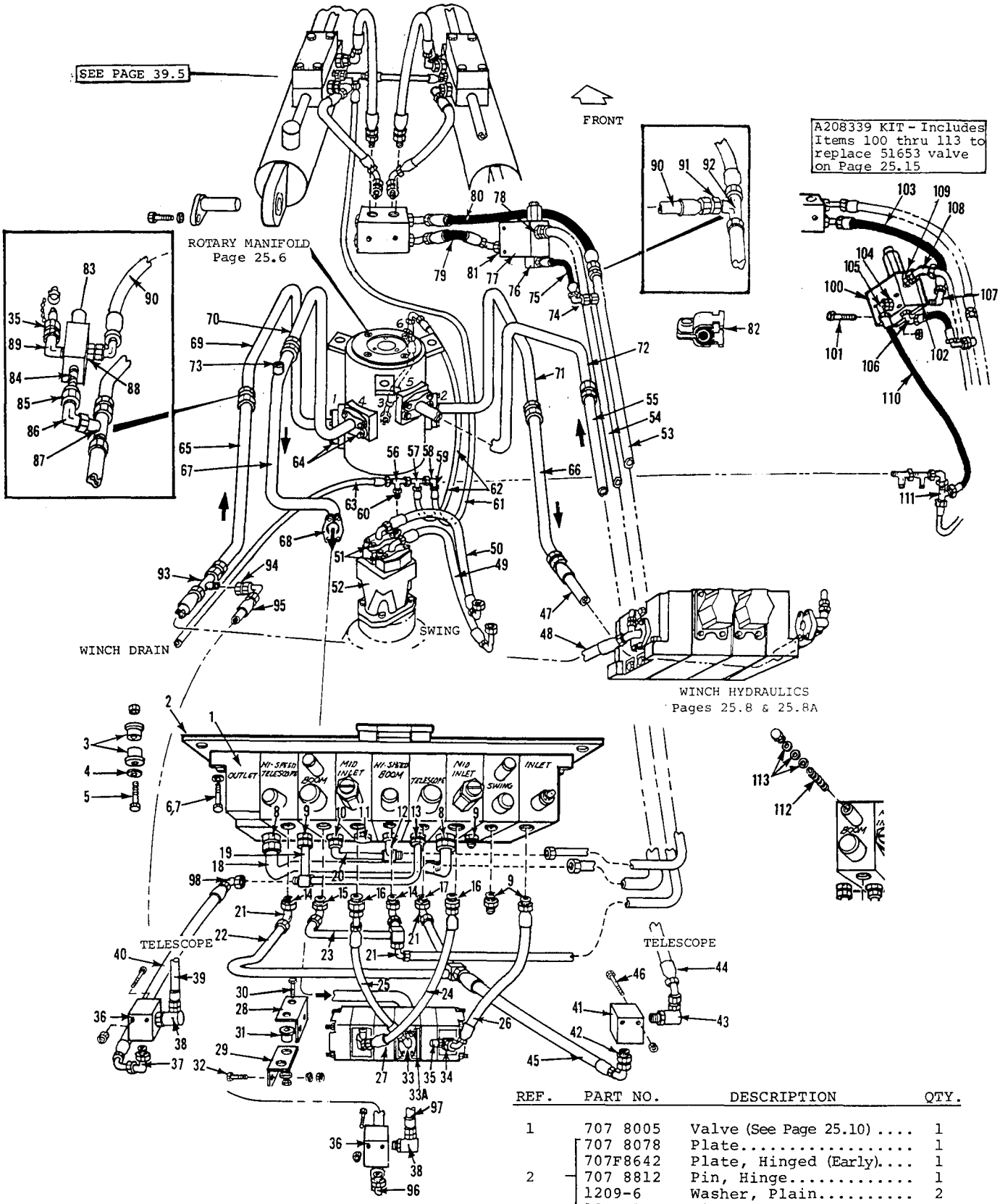


REF.	PART NO.	DESCRIPTION	QTY.
1	705 5401	Cooler (Repl. 57022).....	1
2	707 7140	Bracket (Prior Ser.#61136).	1
	707 9494	Bracket (Begin Ser.#61136).	1
3	707 7141	Bracket (Prior Ser.#61136).	1
	707 9493	Bracket (Begin Ser.#61136).	1
4	1200-57	Capscrew, 3/8C x 3/4...	8
	1210-20	Washer, Lock, 3/8.....	8
5	1200-104	Capscrew, 1/2C x 2.....	2
6	707 9475	Spacer (Repl. 57762)...	2
7	1205-67	Nut, 1/2C Elastic.....	4
8	1200-98	Capscrew, 1/2C x 1-1/4.	2
9	1200-112	Capscrew, 1/2C x 3.....	2
	1210-26	Washer, Lock, 1/2.....	2
10	707A9065	Hose Ass'y.....	1
11	707A9066	Hose Ass'y.....	1
12	1219-289	Adapter.....	3
13	12019-250	Valve, Check (80 PSI).....	1
14	12019-269	Tee.....	2
15	12019-270	Adapter.....	2
16	707A9067	Hose Ass'y.....	1
17	707A9577	Hose Ass'y (Repl. 707A9068)..	1
18	1219-386	Adapter w/"O" ring.....	1
	1218-65	Ring, "O".....	1
19	12019-209	Adapter.....	1
20	1219-296	Bushing (1-1 1/4).....	1
21	1219-387	Adapter.....	1

- Begin Serial #62140 -

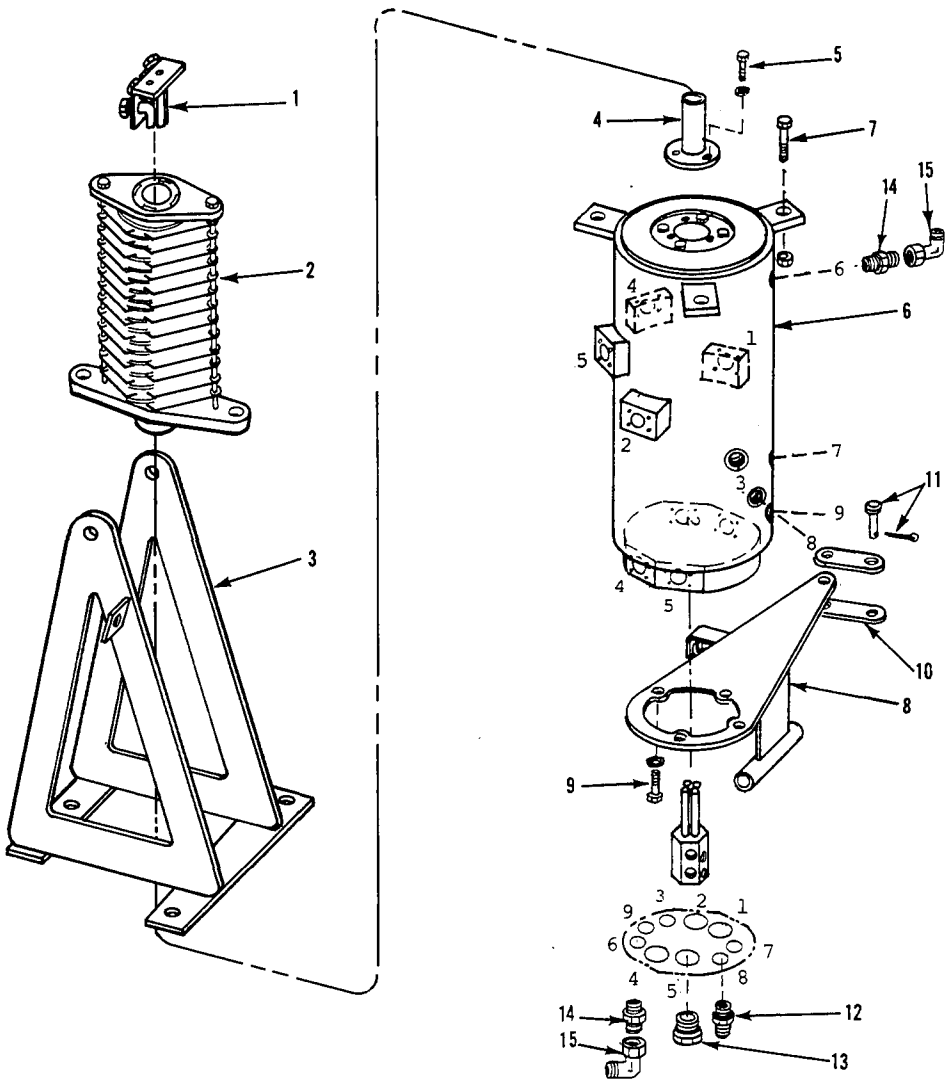


REF.	PART NO.	DESCRIPTION	QTY.
1	705 5401	Cooler.....	1
2	707 9494	Bracket.....	1
3	707 9493	Bracket.....	1
4	1200-57	Capscrew, 3/8C x 3/4...	8
	1210-20	Washer, Lock, 3/8.....	8
5	1200-104	Capscrew, 1/2C x 2.....	2
6	707 9475	Spacer.....	2
7	1205-67	Nut, 1/2C Elastic.....	4
8	1200-98	Capscrew, 1/2C x 1-1/4.	2
9	1219-289	Adapter.....	1
10	707A9676	Hose Ass'y.....	1
11	707A9677	Hose Ass'y.....	1
12	1219-661	Adapter w/"O" ring.....	1
	1218-73	Ring, "O".....	1
13	1219-589	Adapter.....	1
14	12019-326	Valve, Check (30 PSI)....	1
15	1219-388	Adapter.....	1
16	707A9678	Hose Ass'y.....	1
17	1219-889	Tee.....	1
18	707 9675	Fitting.....	1
	1218-103	Ring, "O".....	1
19	12019-209	Adapter.....	1

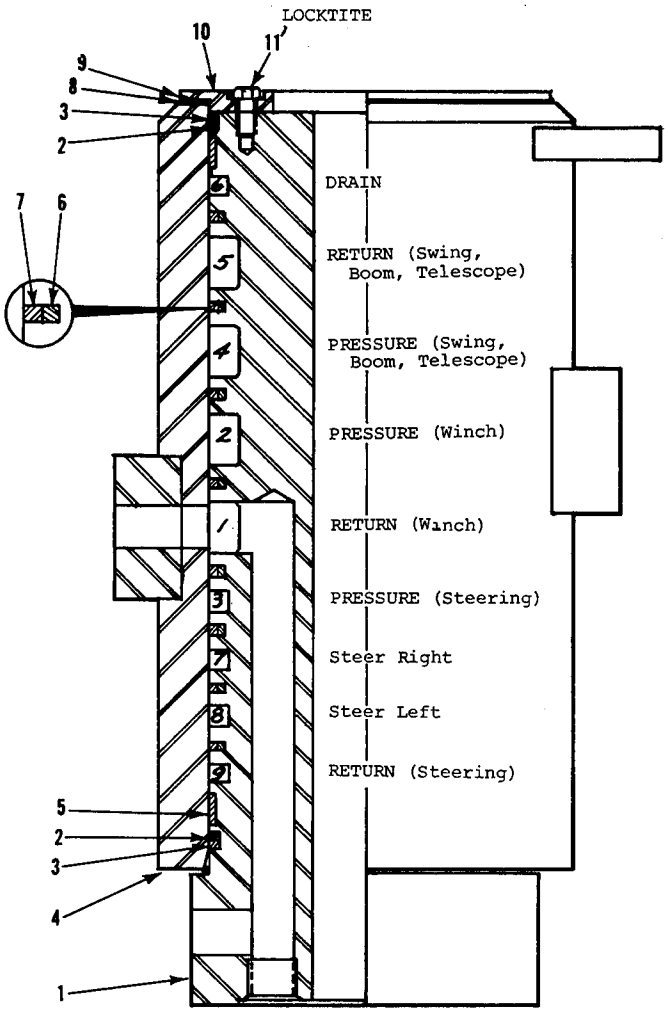


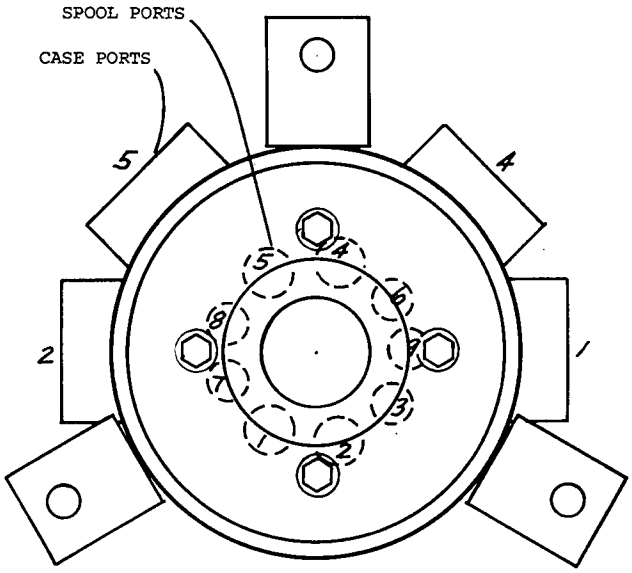
REF.	PART NO.	DESCRIPTION	QTY.
1	707 8005	Valve (See Page 25.10)	1
2	707 8078	Plate.....	1
	707F8642	Plate, Hinged (Early)....	1
	707 8812	Pin, Hinge.....	1
	1209-6	Washer, Plain.....	2
	1207-11	Pin, Cotter.....	2
3	1221-74	Mount, Rubber.....	8
4	707 8084	Washer.....	4
5	1200-108	Capscrew, 1/2C x 2-1/2.	3
	1210-26	Washer, Lock, 1/2.....	3

REF.	PART NO.	DESCRIPTION	QTY.
6	1200-132	Capscrew, 1/2C x 6-1/2.	2
	1210-26	Washer, Lock, 1/2.....	2
	1205-67	Nut, 1/2C Elastic.....	2
7	1200-106	Capscrew, 1/2C x 2-1/4.	1
	1205-67	Nut, 1/2C Elastic.....	1
8	1219-661	Adapter w/"O" ring(99).	2
9	1219-389	Adapter w/"O" ring(99).	4
10	12019-218	Adapter w/"O" ring(99).	1
11	1219-783	Plug w/"O" ring(99)....	1
12	1219-802	Adapter w/"O" ring(99).	1
13	1219-555	Adapter w/"O" ring(99).	1
14	12019-193	Adapter w/"O" ring(99).	2
15	1219-680	Adapter w/"O" ring(99).	1
16	1219-662	Adapter w/"O" ring(99).	2
17	1219-282	Adapter w/"O" ring(99).	1
18	707 8060	Tube, Manifold.....	1
19	707 8056	Tube, Manifold.....	1
20	707 8054	Tube, Manifold.....	1
21	1219-957	Adapter (90°).....	3
22	707 8064	Tube, Manifold.....	1
23	707 8055	Tube, Manifold.....	1
24	707A8035	Hose Ass'y.....	1
25	707A8974	Hose Ass'y(Repl. 707A8034). (Req's 33A,O Ring, Capscrews)	1
26	707A8033	Hose Ass'y.....	1
27	707 8003	Flow Divider(Page 25.9)..	1
28	707 8077	Angle.....	2
	1205-90	Nut, 5/8C Elastic.....	4
29	707 8080	Bracket.....	2
30	1200-154	Capscrew, 5/8C x 2-3/4.	4
	1209-8	Washer, Plain, 5/8.....	4
	1205-90	Nut, 5/8C Elastic.....	4
31	1221-73	Mount, Rubber.....	4
32	1200-65	Capscrew, 3/8C x 1-3/4.	8
	1205-45	Nut, 3/8C Elastic.....	8
33	1219-665	Clamp, Split Flange....	2
	1218-103	Ring, "O".....	1
	1200-61	Capscrew, 3/8C x 1-1/4.	4
	1200-67	Capscrew, 3/8C x 2(Plate)..	4
	1210-20	Washer, Lock, 3/8.....	4
33A	707 8998	Plate, Port.....	1
34	707 8088	Elbow.....	2
35	12019-245	Tap, Pressure Check....	4
	1219-742	Cover, Dust.....	4
	12019-174	Adapter (90°).....	1
	1219-954	Adapter.....	3
36	707 8073	Block.....	2
	1200-83	Capscrew, 3/8C x 4.....	4
	1205-45	Nut, 3/8C Elastic.....	4
37	1219-802	Adapter w/"O" ring(99).	1
38	12019-350	Swivel.....	3
	203088	Kit, Repair.....	3
39	707A8039	Hose Ass'y.....	1
40	707A8038	Hose Ass'y (Prior #61222).	1
	707A8975	Hose Ass'y (Begin #61222).	1
41	707 8074	Block.....	1
42		Adapter (See Ref. 17)..	1
43		Swivel (See Ref. 38)..	1
44	707A8036	Hose Ass'y.....	1
45	707A8037	Hose Ass'y.....	1
46	1200-85	Capscrew, 3/8C x 4-1/2.	2
	1205-45	Nut, 3/8C Elastic.....	2
47	See Pages	Hose Ass'y.....	1
48	25.8 & 25.8A	Hose Ass'y.....	1
49,50	707A8041	Hose Ass'y (36").....As Req'd.	
	708A0370	Hose Ass'y (52").....	2
51	1219-392	Clamp, Split Flange....	4
	1218-63	Ring, "O".....	2
	1200-307	Capscrew, 7/16C x 1-1/2.	8
	1210-23	Washer, Lock, 7/16.....	8
52	51037	Motor (See Page 25.13)	1
53	707 8057	Tube.....	1
54	707 8058	Tube.....	1
55	707 8059	Tube (Use with Tube 72)....	1
	708A0368	Hose (Repl. Tubes 55 & 72). (Begin #90104 Rough Terrain) (Begin #93101 Carrier Crane)	1
56	12019-464	Tee.....	1
57	1219-956	Tee.....	1
58	1219-571	Adapter, Swivel, 90°...	1
59	12019-457	Reducer.....	1
60	1219-441	Adapter w/"O" ring(99).	1
61	707A8049	Hose Ass'y.....	1
62	707A8990	Hose Ass'y(Repl. 707A8050).	1
	707A8991	Hose Ass'y(Repl. 707A8051).	1
63	A202972	Hose Ass'y(127" Lg.).....As Req'd. (Prior #61319 Carrier Crane) (Prior #61366 Rough Terrain)	
64	1219-665	Clamp, Split Flange....	8
	1218-103	Ring, "O".....	4
	1200-61	Capscrew, 3/8C x 1-1/4.	16
	1210-20	Washer, Lock, 3/8.....	16
65	707 8063	Tube.....	1
66	707 8062	Tube.....	1
67	707 8061	Tube.....	1
68	1219-392	Clamp, Split Flange....	2
	1218-63	Ring, "O".....	1
	1200-307	Capscrew, 7/16C x 1-1/2.	4
	1210-23	Washer, Lock, 7/16.....	4
69	707 8070	Tube.....	1
70	707 8071	Tube.....	1
71	707 8072	Tube.....	1
72	707 8069	Tube (See Ref. 55).....	1
73	1219-551	Plug.....	1
74	1219-351	Adapter.....	1
75	707A8813	Hose Ass'y.....	1
76	1219-776	Adapter, 90°.....	1
77	51653	Valve, Hold(See Page 25.15).	1
78	1219-282	Adapter w/"O" ring(99).	1
79,80		Hose Ass'y (See Page 39.5).	2
81	1219-555	Adapter w/"O" ring(99).	1
82	1240-112	Clamp (1-1/2").....	1
	1240-111	Clamp (1-1/4").....	2
	1240-110	Clamp (1").....	2
	1240-109	Clamp (3/4").....	1
	1240-51	Clamp (Rubber, 5/8").....	1
83	1219-870	Valve, Relief(1500 PSI)..	1
84	1219-191	Nipple.....	1
85	202653	Cap, Tapped.....	1
86	12019-241	Elbow.....	1
87	12019-146	Tee.....	1
88	1219-451	Adapter.....	1
89	12019-276	Elbow.....	1
90	A202651	Hose Ass'y.....	1
91	1219-715	Reducer.....	1
92	1219-876	Tee.....	1
93	12019-146	Tee.....	1
94	12019-147	Reducer.....	1
95	707A8807	Hose Ass'y.....	1
96	1219-663	Adapter w/"O" ring(99).	1
97	707A8808	Hose Ass'y.....	1
98	1219-583	Adapter, Swivel(90°)...	1
99	1218-34	Ring, "O" (For Ref. 60)	
	1218-64	Ring, "O" (For 9,12,14,37,96)	
	1218-65	Ring, "O" (For 10,13,15,17,78,81)	
	1218-73	Ring, "O" (For 8,11,16)	
	A208339	Kit, Hold Valve..... (To Repl. Ref 77,Incl 100-113)	1
100	709 5065	Valve, Hold(See Page 25.15).	1
101	1200-114	Capscrew, 1/2C x 3-1/4.	4
	1205-58	Nut, 1/2C.....	4
102	709 5066	Plate, Port.....	1
	1218-126	O-Ring.....	1
103	200B2386-15	Hose.....	1
104	12019-304	Adapter.....	1
105	12019-483	Elbow.....	1
106	1219-776	Elbow.....	1
107	1219-663	Elbow.....	1
108	1219-958	Elbow.....	1
109	1219-556	Adapter.....	1
110	200B2184-8	Hose, Drain.....	1
111	12019-112	Tee.....	1
112	26475	Spring.....	1
113	26470	Shim.....	1
	26471	Shim.....	1
	26472	Shim.....	1



REF.	PART NO.	DESCRIPTION	QTY.
1	707 9474 Ref. Only	Swivel, Air..... (See Group 10)	1
2		Ring, Collector..... (See Group 33)	1
3	707F8555	Bracket, Throttle..... (See Group 28)	1
4	F37009	Column.....	1
5	1200-59	Capscrew, 3/8C x 1.....	3
	1210-20	Washer, Lock, 3/8.....	3
6		Manifold, Rotary..... (See Page 25.7)	1
7	1200-160	Capscrew, 5/8C x 3-1/2.	3
	1205-84	Nut, 5/8C Jam.....	3
8	707F9373	Arm, Torque.....	1
	1214-59	Bushing only.....	2
9	1200-98	Capscrew, 1/2C x 1-1/4.	4
	1210-26	Washer, Lock, 1/2.....	4
10	37169	Link.....	2
11	1474	Pin.....	2
	1207-12	Pin, Cotter.....	2
12	1219-441	Adapter w/"O" ring.....	9
	1218-34	Ring, "O".....	9
13	12019-433	Plug w/"O" ring.....	4
	1218-65	Ring, "O".....	4
14	1219-446	Adapter w/"O" ring.....	2
	1218-34	Ring, "O".....	2
15	1219-571	Adapter, Swivel 90°....	2

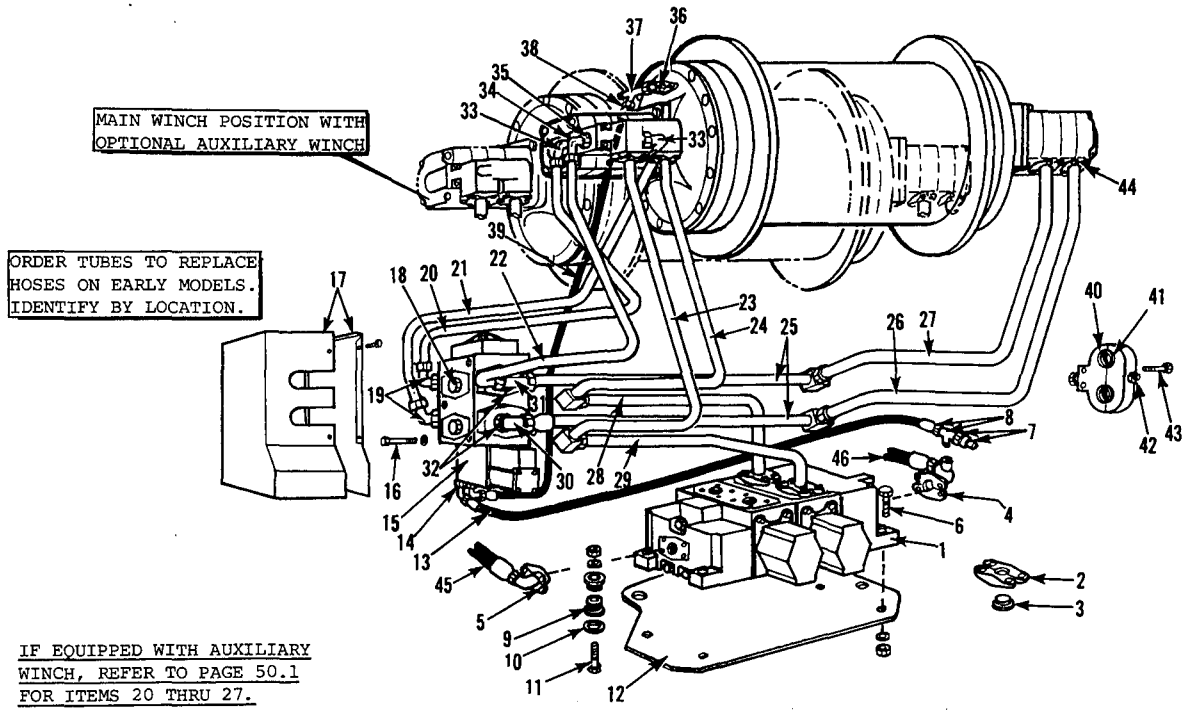




- TOP VIEW -

REF.	PART NO.	DESCRIPTION	QTY.
	707A8547	Manifold, Rotary..... (Incl. 1 thru 11)	1
	A202246	Kit, Seal..... (Incl. Items 2, 3, 5 thru 9)	1
1	707 8550	Spool.....	1
2	1218-187	Ring, "O".....	2
3	1218-188	Ring, Back-Up.....	2
4	707F8549	Case.....	1
5	49125	Ring, Wear.....	2
6	49126	Ring, Rectangular.....	8
7	49127	Seal.....	8
8	49128	Washer, Thrust.....	1
9	1218-52	Ring, "O".....	2
10	49129	Plate.....	1
11	1200-57	Capscrew, 3/8C x 3/4...	4

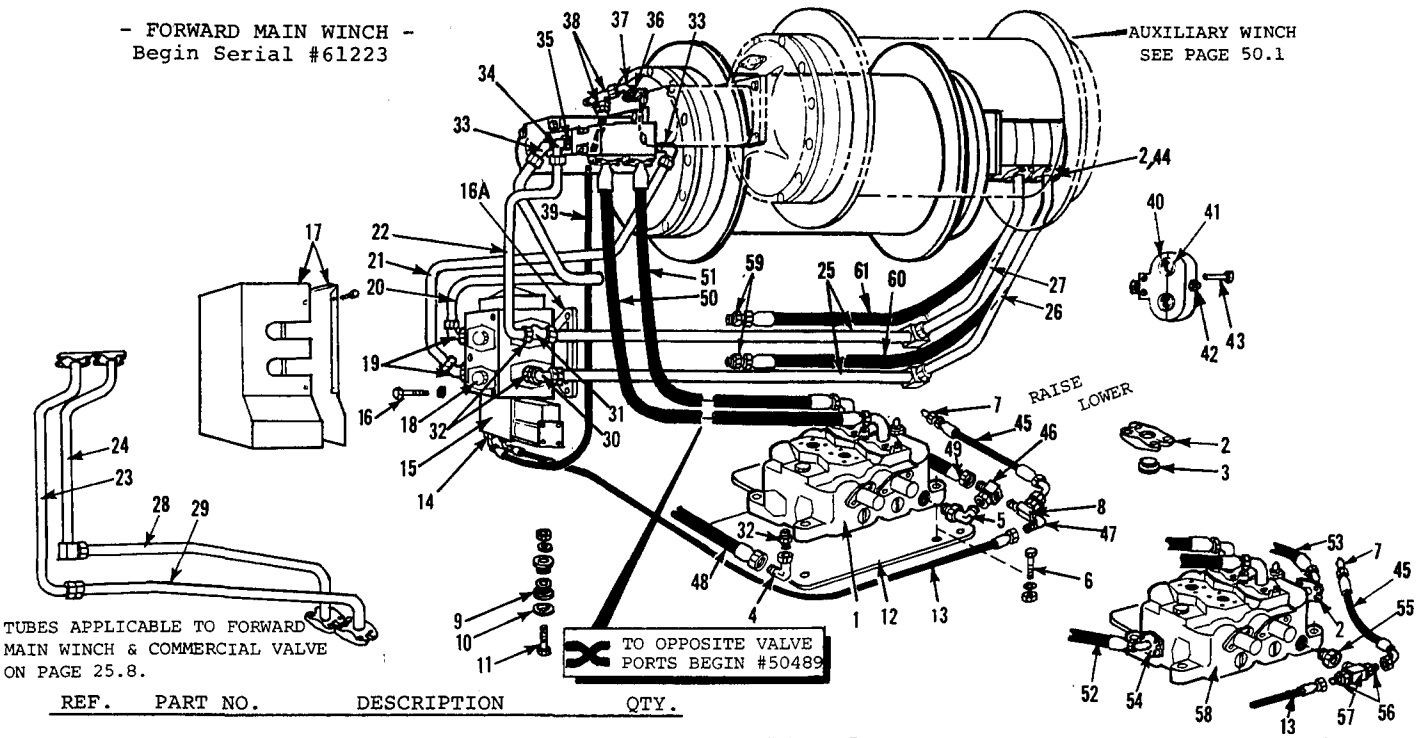
- REAR MAIN WINCH -
Prior Serial #61223



REF.	PART NO.	DESCRIPTION	QTY.
1	707 8004	Valve (See Page 25.12) ...	1
2	1219-665	Clamp, Split Flange....	8
	1218-103	Ring, "O".....	4
	1200-61	Capscrew, 3/8C x 1-1/4.	16
	1210-20	Washer, Lock, 3/8.....	16
3	F47656	Slug (No Auxiliary Winch)..	2
4	1219-392	Clamp, Split Flange....	2
	1218-63	Ring, "O".....	1
	1200-307	Capscrew, 7/16C x 1-1/2 ..	4
	1210-23	Washer, Lock, 7/16.....	4
5	1219-390	Clamp, Split Flange....	2
	1218-72	Ring, "O".....	1
	1200-100	Capscrew, 1/2C x 1-1/2.	4
	1210-26	Washer, Lock, 1/2.....	4
6	1200-106	Capscrew, 1/2C x 2-1/4.	4
	1210-26	Washer, Lock.....	4
7	1219-954	Adapter.....	1
	12019-245	Tap, Pressure.....	1
	1219-742	Cover, Dust.....	1
8	1219-610	Tee.....	1
	1219-801	Adapter.....	1
9	1221-74	Mount, Rubber.....	6
10	707 8084	Washer.....	3
11	1200-108	Capscrew, 1/2C x 2-1/2.	3
	1205-67	Nut, 1/2C Elastic.....	3
12	707 8079	Plate, Mounting.....	1
13	707A8455	Hose Ass'y.....	1
14	1219-959	Adapter w/"O" ring.....	2
	1218-155	Ring, "O".....	2
15	707 8224	Valve (See Page 25.14)....	1
16	1200-168	Capscrew, 5/8C x 5.....	2
	1200-170	Capscrew, 5/8C x 5-1/2.	1
	1210-32	Washer, Lock, 5/8.....	3
17	707 8819	Cover (Welded).....	1
	707 8816	Box, Cover.....	1
	1211-29	Screw.....	11
18	1219-783	Plug w/"O" ring.....	2
	1218-73	Ring, "O".....	2

REF.	PART NO.	DESCRIPTION	QTY.
19	1219-686	Adapter w/"O" ring.....	2
	1218-73	Ring, "O".....	2
20	707 8595	Tube.....	1
21	707 8597	Tube.....	1
22	707 8598	Tube.....	1
23	707 8227	Tube.....	1
24	707 8226	Tube.....	1
25	707 8596	Tube.....	2
26	707 8599	Tube.....	1
27	707 8600	Tube.....	1
28	707 8068	Tube.....	1
29	707 8065	Tube.....	1
30	12019-241	Adapter, 90°.....	1
31	1219-889	Tee.....	1
32	1219-661	Adapter w/"O" ring.....	2
	1218-73	Ring, "O".....	2
33	12019-193	Adapter w/"O" ring.....	2
	1218-64	Ring, "O".....	2
34	1219-957	Adapter, 90°.....	1
35	1219-556	Adapter w/"O" ring.....	1
	1218-64	Ring, "O".....	1
36	1219-446	Adapter w/"O" ring.....	1
	1218-34	Ring, "O".....	1
	1219-570	Adapter, Swivel 90°....	1
37	1219-800	Tee.....	1
38	1219-853	Adapter.....	1
39	707A8454	Hose Ass'y.....	1
40	707 8656	Block (Split).....	1
41	1221-31	Grommet.....	2
42	1200-85	Capscrew, 3/8C x 4-1/2.	1
	1205-45	Nut, 3/8C Elastic.....	1
43	1200-63	Capscrew, 3/8C x 1-1/2.	2
44	1219-665	Clamp, Split Flange....	8
	1218-103	Ring, "O".....	4
	1200-61	Capscrew, 3/8C x 1-1/4.	16
	1210-20	Washer, Lock, 3/8.....	16
45	707A8043	Hose Ass'y.....	1
46	707A8042	Hose Ass'y.....	1

- FORWARD MAIN WINCH -
Begin Serial #61223



TUBES APPLICABLE TO FORWARD MAIN WINCH & COMMERCIAL VALVE ON PAGE 25.8.

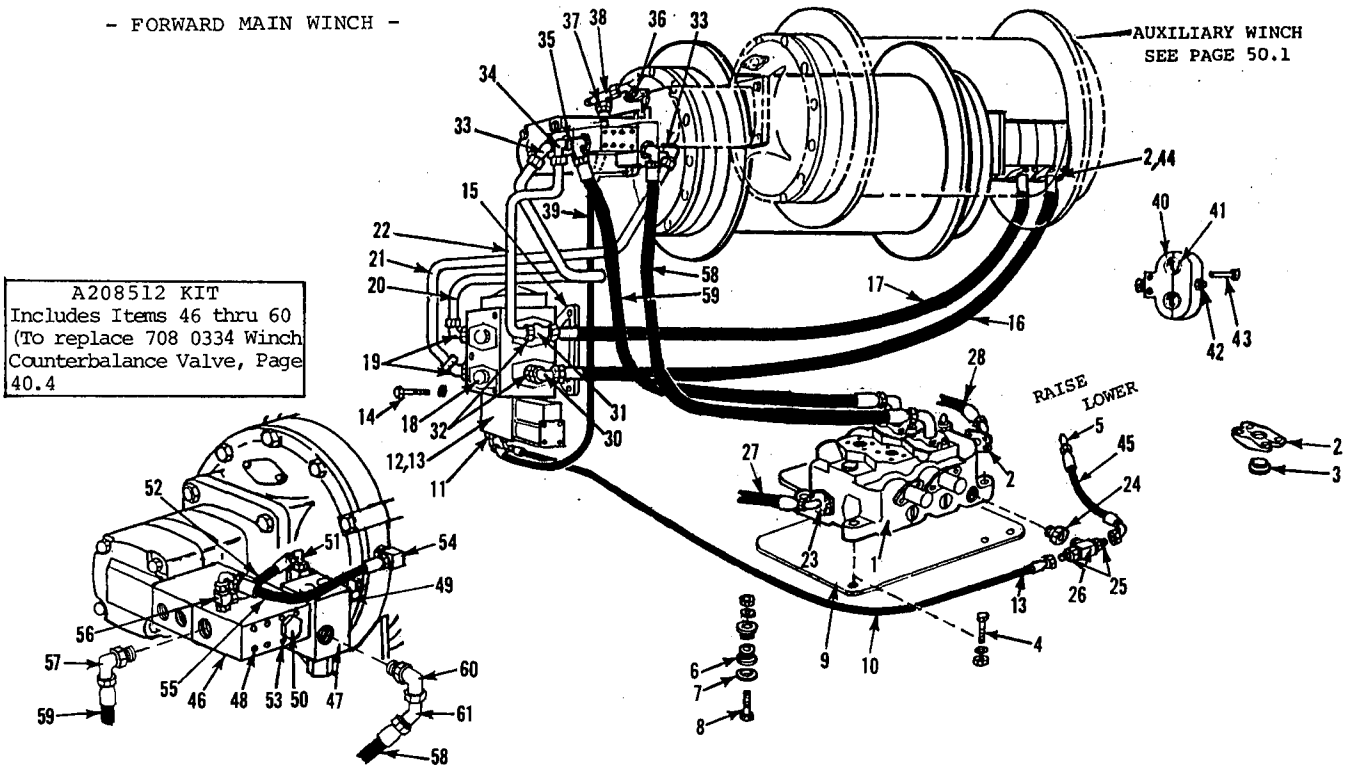
REF.	PART NO.	DESCRIPTION	QTY.
1	51021	Valve (See Page 25.12A)...	1
2	1219-665	Clamp, Split Flange....	18
	1218-103	Ring, "O".....	9
	1200-61	Capscrew, 3/8C x 1-1/4.	36
	1210-20	Washer, Lock, 3/8.....	36
3	F47656	Slug (No Auxiliary Winch)..	2
4	12019-241	Adapter, Swivel.....	1
5	1219-680	Adapter w/"O" Ring,90°.	1
	1218-65	Ring, "O".....	1
6	1200-106	Capscrew, 1/2C x 2-1/4.	4
	1210-26	Washer, Lock, 1/2.....	4
7	12019-245	Tap, Pressure.....	1
	1219-742	Cover, Dust.....	1
8	1219-313	Tee.....	1
	1219-801	Adapter.....	1
9	1221-74	Mount, Rubber.....	6
10	707 8084	Washer.....	3
11	1200-108	Capscrew, 1/2C x 2-1/2.	3
	1205-67	Nut, 1/2C Elastic.....	3
12	707 8079	Plate, Mounting.....	1
13	707A8455	Hose Ass'y.....	1
14	1219-959	Adapter w/"O" ring.....	2
	1218-155	Ring, "O".....	2
15	707 8224	Valve (See Page 25.14)	1
16	1200-168	Capscrew, 5/8C x 5.....	3
	1200-170	Capscrew, 5/8C x 5-1/2.	As Req'd.
	1200-172	Capscrew, 5/8C x 6.....	As Req'd.
	1210-32	Washer, Lock, 5/8.....	3
	42572	Boss.....	As Req'd.
16A	708 0362	Spacer.....	1
17	707 8819	Plate, Cover.....	1
	707 8816	Box, Cover.....	1
	1211-29	Screw.....	11
18	1219-783	Plug w/"O" ring.....	2
	1218-73	Ring, "O".....	2
19	1219-686	Adapter w/"O" ring.....	2
	1218-73	Ring, "O".....	2
20	707 8791	Tube.....	1
21	707 8792	Tube.....	1
22	707 8793	Tube.....	1
23	707 8604	Tube.....	1
24	707 8603	Tube.....	1
25	707 8596	Tube (707 8229 Motor) See Page	2
	708 0127	Tube (49405 Motor)... 40.1.	2
	(Use Capscrews & Boss, Ref. 16, as req'd.)		
26	707 8602	Tube.....	1

REF.	PART NO.	DESCRIPTION	QTY.
27	707 8067	Tube.....	1
28	707 8068	Tube.....	1
29	707 8065	Tube.....	1
30	12019-241	Adapter, Swivel.....	1
31	1219-889	Tee.....	1
32	1219-661	Adapter w/"O" ring.....	2
	1218-73	Ring, "O".....	2
33	12019-193	Adapter w/"O" ring.....	2
	1218-64	Ring, "O".....	2
34	1219-957	Adapter, 90°.....	1
35	1219-556	Adapter w/"O" ring.....	1
	1218-64	Ring, "O".....	1
36	1219-446	Adapter w/"O" ring.....	1
	1218-34	Ring, "O".....	1
37	1219-571	Adapter, 90°.....	1
38	12019-457	Reducer.....	1
	1219-956	Tee.....	1
39	707A8876	Hose Ass'y.....	1
40	707 8656	Block (Split).....	1
41	1221-31	Grommet.....	2
42	1200-85	Capscrew, 3/8C x 4-1/2.	1
	1205-45	Nut, 3/8C Elastic.....	1
43	1200-63	Capscrew, 3/8C x 1-1/2.	2
44		Use Ref. 2	
45	707A8983	Hose Ass'y.....	1
46	707 8979	Tee.....	1
47	1219-588	Adapter, 90°.....	1
48	707A8982	Hose Ass'y.....	1
49	707A8981	Hose Ass'y.....	1
50	A202965	Hose Ass'y.....	1
51	A202964	Hose Ass'y.....	1
52	707A8988	Hose Ass'y.....	1
53	707A8987	Hose Ass'y.....	1
54	1219-392	Clamp, Split Flange....	2
	1218-63	Ring, "O".....	1
	1200-307	Capscrew, 7/16C x 1-1/2.	4
	1210-23	Washer, Lock, 7/16.....	4
55	707 6888	Plug, Reducer.....	1
56	1219-610	Tee.....	1
57	1219-801	Adapter.....	2
58	707 8999	Valve (See Page 25.12A)....	1
59	1219-687	Reducer..... Replaces 25,26,27 ..	2
60	708A0591	Hose Ass'y...	1
61	708A0592	Hose Ass'y...	1

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

⊗ DISCONTINUED PART! REFER TO NUMERICAL PARTS LIST FOR REPLACEMENT PART(S)

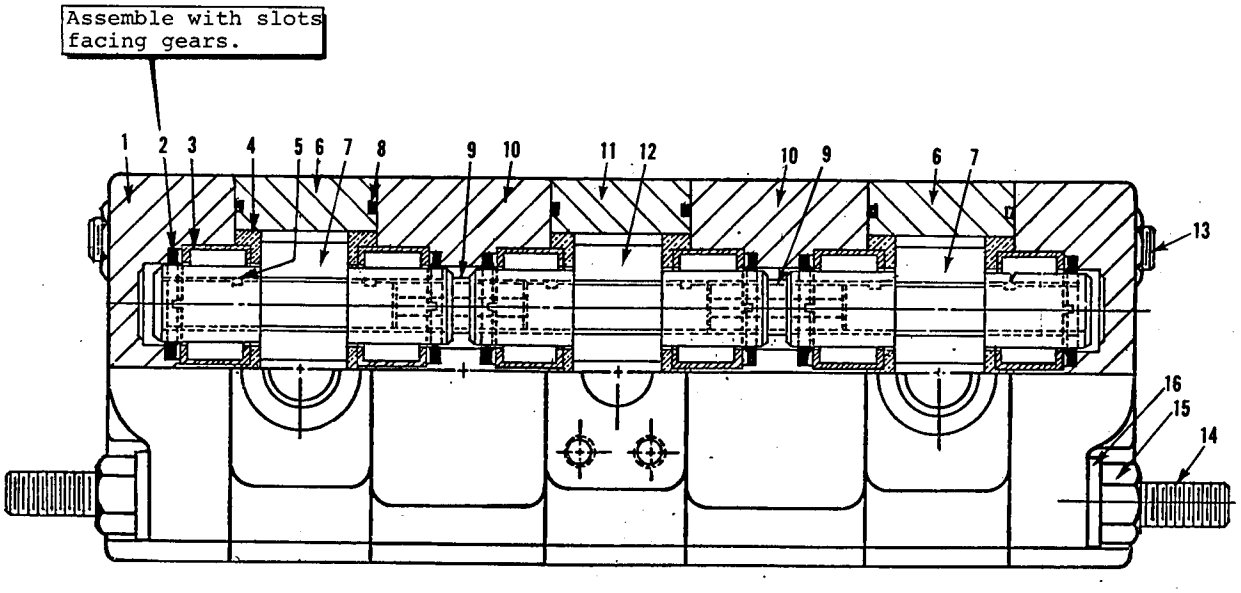
- FORWARD MAIN WINCH -



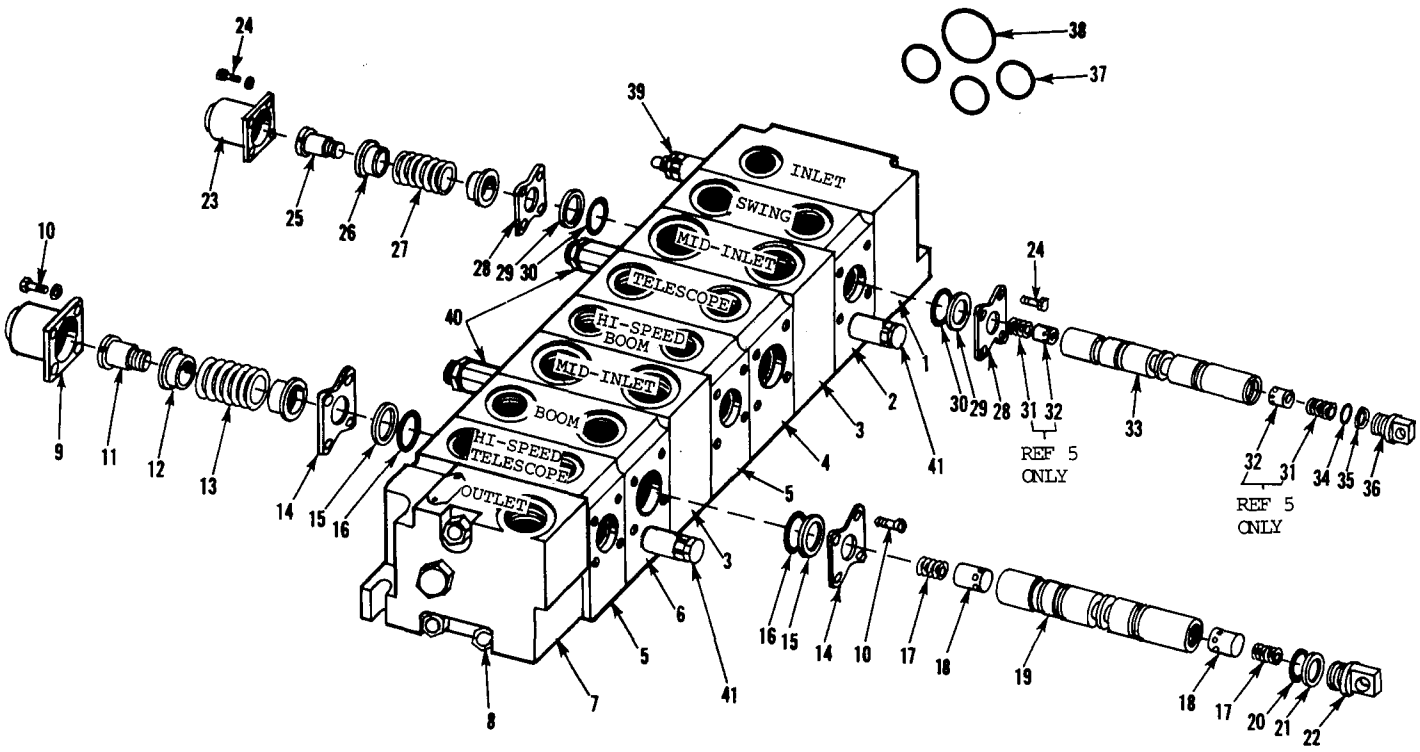
A208512 KIT
Includes Items 46 thru 60
(To replace 708 0334 Winch Counterbalance Valve, Page 40.4

REF.	PART NO.	DESCRIPTION	QTY.
1	707 8999	Valve (See Page 25.12A) ...	1
2	1219-665	Clamp, Split Flange....	18
	1218-103	O-Ring.....	9
	1200-61	Capscrew, 3/8C x 1-1/4.	36
	1210-20	Lockwasher.....	36
3	F47656	Slug (No Auxiliary Winch)..	2
4	1200-106	Capscrew, 1/2C x 2-1/4.	4
	1210-26	Lockwasher.....	4
5	12019-245	Tap, Pressure.....	1
	1219-742	Cover, Dust.....	1
6	1221-74	Mount, Rubber.....	6
7	707 8084	Washer.....	3
8	1200-108	Capscrew, 1/2C x 2-1/2.	3
	1205-67	Nut, 1/2C Elastic.....	3
9	707 8079	Plate, Mounting.....	1
10	707A8455	Hose Ass'y.....	1
11	1219-959	Adapter w/O-Ring.....	2
	1218-155	O-Ring.....	2
12	707 8224	Valve (See Page 25.14)....	1
13	709 5068	Plate, Port.....	1
14	1200-168	Capscrew, 5/8C x 5.....	3
	1210-32	Lockwasher.....	3
15	708 0362	Spacer.....	1
16	708A0591	Hose Ass'y.....	1
17	708A0592	Hose Ass'y.....	1
18	1219-783	Plug w/O-Ring.....	2
	1218-73	O-Ring.....	2
19	1219-686	Adapter w/O-Ring.....	2
	1218-73	O-Ring.....	2
20	707 8791	Tube.....	1
21	707 8792	Tube.....	1
22	707 8793	Tube.....	1
23	1219-392	Clamp, Split Flange....	2
	1218-63	O-Ring.....	1
	1200-307	Capscrew, 7/16C x 1-1/2 ..	4
	1210-23	Lockwasher.....	4
24	707 6888	Plug, Reducer.....	1
25	1219-610	Tee.....	1
26	1219-801	Adapter.....	2
27	707A8988	Hose Ass'y.....	1
28	707A8987	Hose Ass'y.....	1

REF.	PART NO.	DESCRIPTION	QTY.
30	12019-241	Adapter, Swivel.....	1
31	1219-889	Tee.....	1
32	1219-661	Adapter w/O-Ring.....	2
	1218-73	O-Ring.....	2
33	12019-193	Adapter w/O-Ring.....	2
	1218-64	O-Ring.....	2
34	1219-957	Adapter, 90°.....	1
35	1219-556	Adapter w/O-Ring.....	1
	1218-64	O-Ring.....	1
36	12019-124	Adapter w/O-Ring.....	1
	1218-34	O-Ring.....	1
37	12019-457	Reducer.....	1
38	1219-956	Tee.....	1
39	707A8876	Hose Ass'y.....	1
40	707 8657	Block(Split).....	1
41	1221-31	Grommet.....	2
42	1200-85	Capscrew, 3/8C x 4-1/2.	1
	1205-45	Nut, 3/8C Elastic.....	1
43	1200-63	Capscrew, 3/8C x 1-1/2.	2
44		Use Ref. 2	
45	707A8983	Hose Ass'y.....	1
46	707 4614	Block.....	1
	1218-103	O-Ring.....	2
47	430 8416	Valve.....	1
48	1242-138	Capscrew, 3/8C x 9 Gr 8 ..	4
	1210-20	Lockwasher.....	4
49	1200-333	Capscrew, 7/16C x 3-3/4 ..	4
	1210-23	Lockwasher.....	4
50	1219-569	Plug.....	1
51	12019-548	Elbow.....	1
52	707 4542-8	Hose.....	1
53	316 2363	Capscrew, 3/8C x 8-1/2 Soc .	4
54	12019-264	Elbow.....	1
55	707 4542-12	Hose.....	1
56	12019-427	Tee.....	1
57	12019-122	Elbow.....	1
58	707 5346-40	Hose Ass'y.....	1
59	707 5346-46	Hose Ass'y.....	1
60	1219-680	Elbow w/O-Ring.....	1
	1218-65	O-Ring.....	1
61	1219-958	Elbow, 45°.....	1

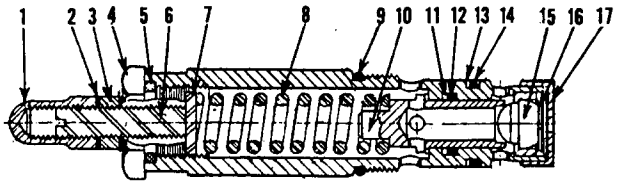


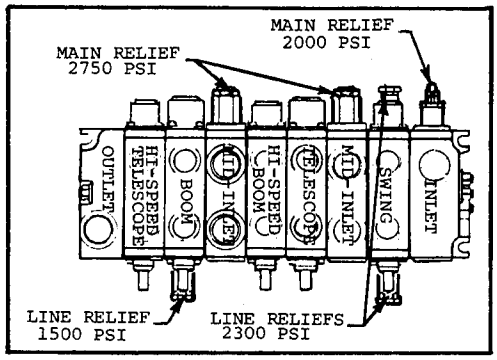
REF.	PART NO.	DESCRIPTION	QTY.
	707 8003	Flow Divider..... (Includes Items 1 Thru 16)	1
	A202039	Kit, Seal..... (Includes Items 2,5,8)	1
1	24258	Cover, Port End.....	2
2	24982	Seal, Ring.....	6
3	24248	Bearing, Roller.....	12
4	24249	Plate, Thrust.....	6
5	24250	Seal, Pocket (6"Strip)..	6
6	202034	Housing, Gear.....	2
7	202035	Set, Gear (1-1/4").....	2
8	24252	Seal, Gasket.....	6
9	24255	Shaft, Connecting.....	2
10	202036	Carrier, Bearing.....	2
11	202032	Housing, Gear.....	1
12	202033	Set, Gear (2").....	1
13	202037	Stud.....	2
14	202038	Stud.....	2
15	24247	Nut.....	8
16	23666	Washer.....	8

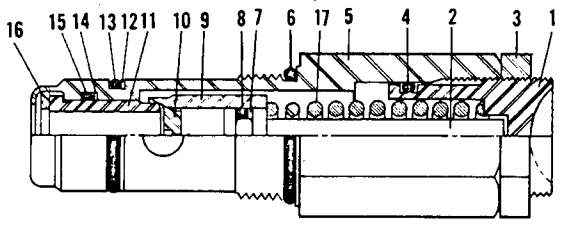


REF.	PART NO.	DESCRIPTION	QTY.
	707 8005	Valve Bank Ass'y..... (Incl. 1 thru 41)	1
	A24055	Kit, Seal..... (For Items 4 & 6)	2
	A24056	Kit, Seal..... (For Items 2 & 5)	2
1	201847	Section (Inlet)..... (Incl. 37,38,39)	1
2	201848	Section (Swing)..... (Incl. 23 thru 30,33 thru 38, 41)	1
3	201849	Section (Mid-Inlet).... (Incl. 37,38,40)	2
4	201850	Section (Telescope).... (Incl. 9 Thru 22, 37,38)	1
5	201851	Section (Hi-Speed)..... (Incl. 23 Thru 38)	2
6	201852	Section (Boom)..... (Incl. 9 Thru 22, 37,38,41)	1
7	201853	Section (Outlet).....	1
8	201854	Stud Ass'y.....	3
		Items 9 Thru 38, Quantities Are Shown for One Plunger Section.	
9	24022	Cap, End.....	1
10	24697	Capscrew.....	8
	24695	Washer.....	8
11	24016	Bolt.....	1
12	24696	Guide, Spring.....	2
13	24021	Spring.....	1
14	24019	Plate, Retainer.....	3
15	24003	Ring, Back-Up.....	2

REF.	PART NO.	DESCRIPTION	QTY.
16	24699	Ring, "O".....	2
17	24018	Spring.....	2
18	24017	Poppet.....	2
19	NSS	Spool.....	1
20	24698	Ring, "O".....	1
21	27205	Ring, Back-Up.....	1
22	24015	Clevis.....	1
23	24034	Cap, End.....	1
24	24697	Capscrew.....	8
	24695	Washer.....	8
25	24029	Bolt.....	1
26	24032	Guide, Spring.....	2
27	24033	Spring.....	1
28	24031	Plate, Retainer.....	3
29	24001	Ring, Back-Up.....	2
30	24702	Ring, "O".....	2
31	24018	Spring.....	2
32	24030	Poppet.....	2
33	NSS	Spool.....	1
34	24701	Ring, "O".....	1
35	28080	Ring, Back-Up.....	1
36	24028	Clevis.....	1
37	24025	Seal (Square).....	3
38	24026	Seal (Square).....	1
39		Relief, Main.....	1
40		Relief, Main.....	2
41		Relief, Line.....	3





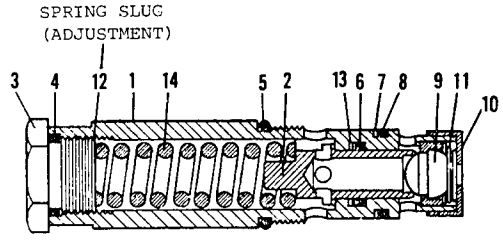


MAIN RELIEF

IMPORTANT: REPLACEMENT CARTRIDGES MUST BE ADJUSTED TO THE PROPER P.S.I. SETTING AS SPECIFIED FOR THE CORRESPONDING VALVE SECTION.

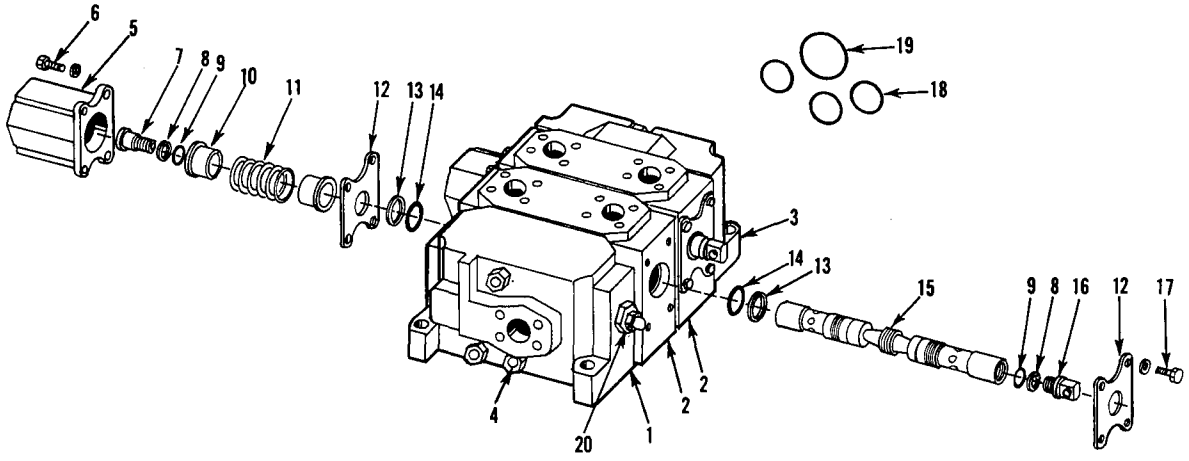
REF.	PART NO.	DESCRIPTION	QTY.
	202020	Relief, Main.....As Req'd. (2000 PSI)	
1	202030	Nut, Acorn.....	1
2	202029	Seal, Stat-O-.....	2
3	1205-40	Nut, Jam, 3/8F.....	1
4	202022	Cap.....	1
5	26466	Ring, "O".....	1
6	202026	Screw, Adjust.....	1
7	202027	Slug.....	1
8	202031	Spring.....	1
9	23144	Ring, "O".....	1
10	202021	Seat, Floating.....	1
11	202028	Ring, Back-Up.....	1
12	1218-169	Ring, "O".....	1
13	22170	Ring, Back-Up.....	1
14	24698	Ring, "O".....	1
15	202023	Ball & Retainer Ass'y.	1
16	202025	Spring, Conical.....	1
17	202024	Retainer, End Cap....	1

REF.	PART NO.	DESCRIPTION	QTY.
	27088	Relief, Main.....As Req'd. (2000 PSI)	
		Adjust above cartridge to specified setting for location in valve.	
1	26457	Screw.....	1
2	22164	Plunger.....	1
3	22167	Nut.....	1
4	22159	Ring, "O".....	1
5	26458	Shell.....	1
6	1218-65	Ring, "O".....	1
7	22163	Ring, Back-Up.....	1
8	22162	Ring, "O".....	1
9	26459	Seat.....	1
10	25545	Snubber.....	1
11	22157	Poppet.....	1
12	26413	Ring, Back-Up.....	1
13	1218-114	Ring, "O".....	1
14	26460	Ring, Back-Up.....	1
15	22158	Ring, "O".....	1
16	26461	Retainer.....	1
17	26462	Spring.....	1



LINE RELIEF

REF.	PART NO.	DESCRIPTION	QTY.
	202832	Relief, Line (1500 psi)..	1
	202833	Relief, Line (2300 psi).	1
1	26463	Cartridge.....	1
2	26464	Seat.....	1
3	26465	Cap.....	1
4	26466	Ring, "O".....	1
5	23144	Ring, "O".....	1
6	1218-169	Ring, "O".....	1
7	26412	Ring, Back-Up.....	1
8	23405	Ring, "O".....	1
9	26467	Ball & Retainer Ass'y.	1
10	26468	Retainer, End Cap....	1
11	26469	Spring.....	1
12	26470	Slug.....	1
	26471	Slug.....	1
	26472	Slug.....	1
13	26473	Ring, Back-Up.....	1
14	26474	Spring(1001-2200 PSI).	1
	26475	Spring(2201-3800 PSI).	1
	27674	Spring(800-1400 PSI).	1

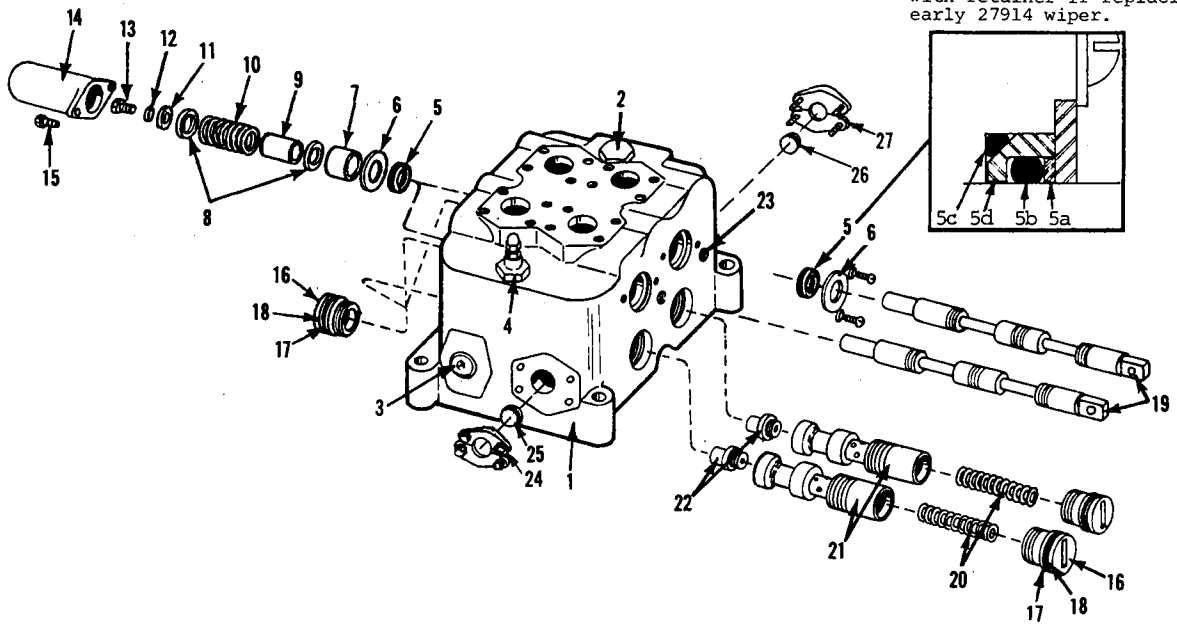


REF.	PART NO.	DESCRIPTION	QTY.
	707 8004	Valve Bank Ass'y..... (Includes 1 Thru 20)	1
	A201953	Kit, Seal..... (Includes 8,9,13,14, 18,19)	1
1	201937	Section, Inlet..... (Includes 18,19,20)	1
2	201938	Section, Plunger..... (Includes 5 Thru 19)	2
3	201939	Section, Outlet.....	1
4	201940	Stud Ass'y.....	3
		Items 5 thru 19, Quantities shown for one section	
5	201941	Cap, End.....	1
6	201942	Capscrew.....	4
	201943	Washer.....	4
7	201944	Bolt, Stripper.....	1
8	201945	Ring, Back-Up.....	2
9	22159	Ring, "O".....	2
10	201946	Guide, Spring.....	2
11	201947	Spring.....	1
12	201948	Plate, Retainer.....	3
13	25881	Ring, Back-Up.....	2
14	25882	Ring, "O".....	2
15		Spool.....	1
16	201949	Clevis.....	1
17	201950	Capscrew.....	4
	201943	Washer.....	4
18	201951	Seal, Square.....	3
19	25883	Seal, Square.....	1
20	201952	Relief, Main.....	1

Ref.: 203180
A202934
A202949

Begin Serial #61378 (& #61228)
(Excluding #61381, #61403)

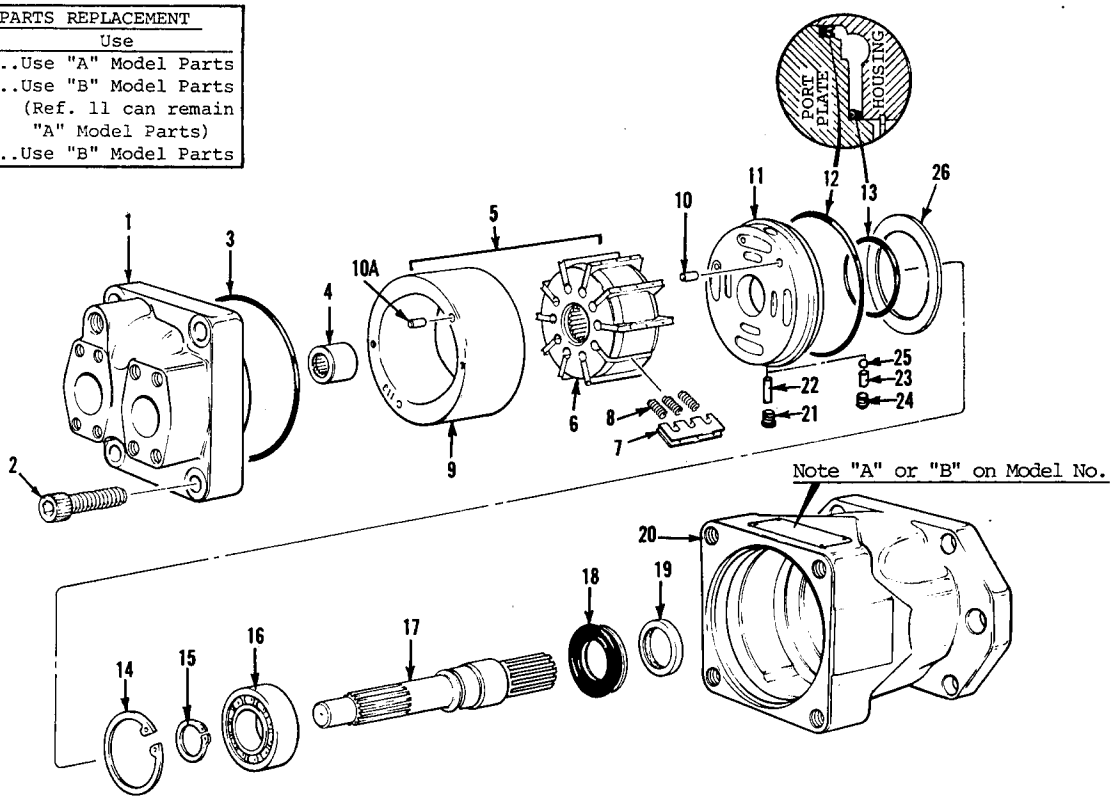
NOTE: Change seals at both ends of spool to new style seals with retainer if replacing early 27914 wiper.



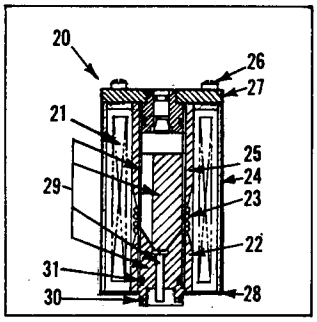
REF.	PART NO.	DESCRIPTION	QTY.
	707 8999	Valve Assembly..... (Includes Items 1 thru 23)	1
	708A0016	Valve Assembly..... (Includes Items 1 thru 27, To replace 51021 Prior to Ser. #61653 except #61011)	1
	Order Separately	Seals: 2,3,5,17,18,23 (A27942 Kit Not Available)	
1	200610	Body.....	1
2	27907	Plug.....	1
	27908	Ring, "O".....	1
3	27909	Plug.....	3
	27910	Ring, "O".....	3
4	27940	Relief, Main.....	1
5	A205425	Kit (Incl.5a-5d,Repl.27914)	4
5a	205427	Ring, Back-Up.....	1
5b	205428	Ring, "O".....	1
5c	205429	Ring, "O".....	1
5d	205430	Retainer.....	1
6	27915	Washer.....	4
	200611	Screw, Round Head.....	4
	200612	Washer.....	4
7	27916	Sleeve, Spacer.....	2
8	27917	Washer.....	4
9	27918	Sleeve, Stop.....	2
10	47850	Spring.....	2
11	27920	Washer.....	2
12	27921	Washer, Lock.....	2
13	27922	Bolt.....	2
14	27923	Cap, End.....	2
15	27924	Screw, Socket Head.....	4
	27925	Washer, Lock.....	4

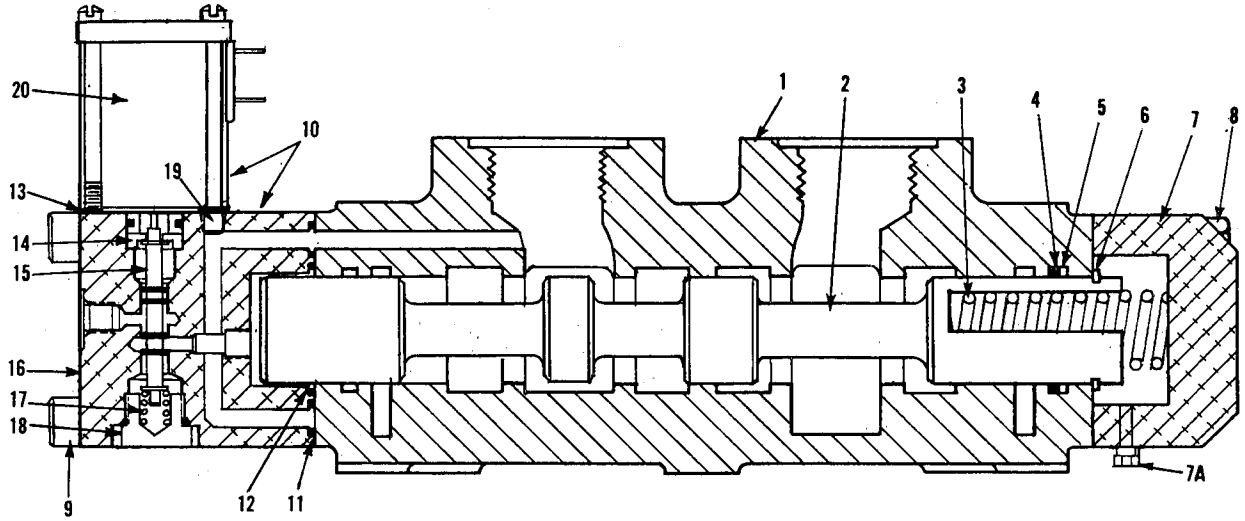
REF.	PART NO.	DESCRIPTION	QTY.
16	27926	Plug.....	4
17	27927	Ring, "O".....	4
18	27928	Ring, Back-Up.....	4
19	28478	Spool.....	2
20	200358	Spring.....	2
21	203181	Piston, Compensating... (Replaces 29396, Requires Ref. 23 Prior Ser. #61653)	2
22	27931	Screw, Orifice.....	2
	27932	Ring, "O".....	2
23	203182	Shuttle Ass'y..... (Replaces 27933, Requires Ref. 21 Prior Ser.#61653) (Includes the following:)	2
	27934	Ring, "O".....	1
	27935	Ring, "O".....	1
	27936	Ball.....	1
	27937	Seat.....	1
	-	Body, Shuttle.....	1
	27939	Ring, "O".....	1
24	1219-665	Clamp, Split Flange....	2
	1218-103	Ring, "O".....	1
	1200-61	Capscrew, 3/8C x 1-1/4.	4
	1210-20	Washer, Lock, 3/8.....	4
25	F47656	Slug.....	1
26	708F0014	Slug.....	1
27	1219-392	Clamp, Split Flange....	2
	1218-63	Ring, "O".....	1
	1200-307	Capscrew, 7/16C x 1-1/2.	4
	1210-23	Washer, Lock, 3/8.....	4

"A" MODEL PARTS REPLACEMENT	
To Replace	Use
Ref. 5	Use "A" Model Parts
Ref. 1,5	Use "B" Model Parts (Ref. 11 can remain "A" Model Parts)
Ref. 1,5,11	Use "B" Model Parts

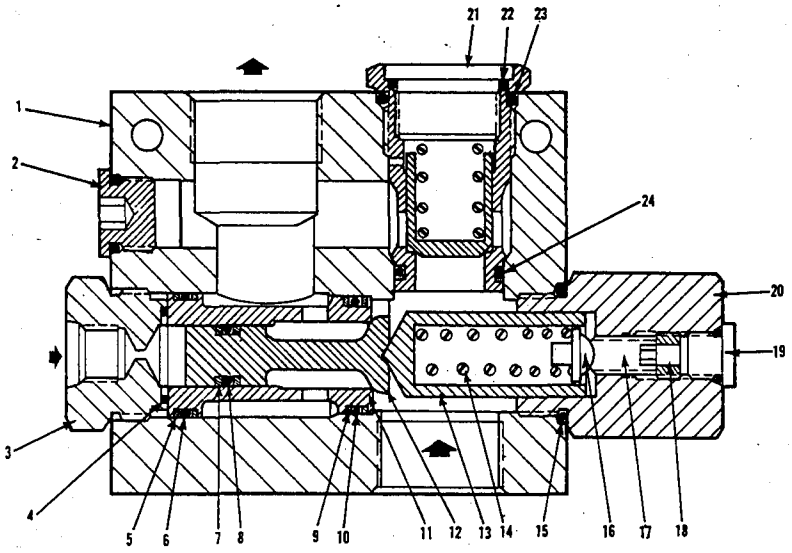


REF.	PART NO. "A" Model	PART NO. "B" Model	DESCRIPTION	QTY.	
	→	51037	Motor, Swing.....	1	
	203092	207860	Kit, Seal..... (Incl. Items marked *)	1	Refer to Service Bulletin #313
1	28018	207861	Cap, End.....	1	
2	28017	207862	Capscrew, 5/8C x 2-1/4. / Capscrew, 5/8C x 2-3/4.	4	
3	28019		*Seal.....	1	
4	28020		Bearing.....	1	
5	201855	207865	Cam Ring Ass'y..... (Includes Items 6 thru 9)	1	
6	28035		Rotor.....	1	
7	28036		Kit, Vane (10 vanes)...	1	
8	28037		Spring.....	30	
9	201856	207866	Ring, Cam.....	1	
10	28021		Pin, Dowel, 1/4 x 3/4..	1	
10A	28021	207869	Pin, Dowel, 1/4 x 3/4.. / Pin, Dowel, 3/8 x 7/8..	1	
11	28023 (Inc 21,22)	207870 (Inc 23-25)	Port Plate Ass'y.....	1	
12	205621		*Seal (Repl.28024,203093)...	1	
13	205622	207871	*Seal (Repl.28025,203094)... / *Seal.....	1	
14	28029		Ring, Snap.....	1	
15	207872		Ring, Snap (Repl.28027)...	1	
16	28030		Bearing.....	1	
17	28031		Shaft Ass'y..... (Includes Items 15,16,17)	1	
18	28026		*Seal, Shaft.....	1	
19	28028		*Wiper, Felt.....	1	
20	28032		Body.....	1	
21	28056		Screw, 5/16C x 7/16....	2	
22	200736		Spool, Shuttle.....	1	
23		207873	Adapter, Valve.....	1	
24		207874	Setscrew, 3/8F x 3/8...	1	
25		207875	Ball.....	1	
26		207876	*Washer, Belleville.....	1	



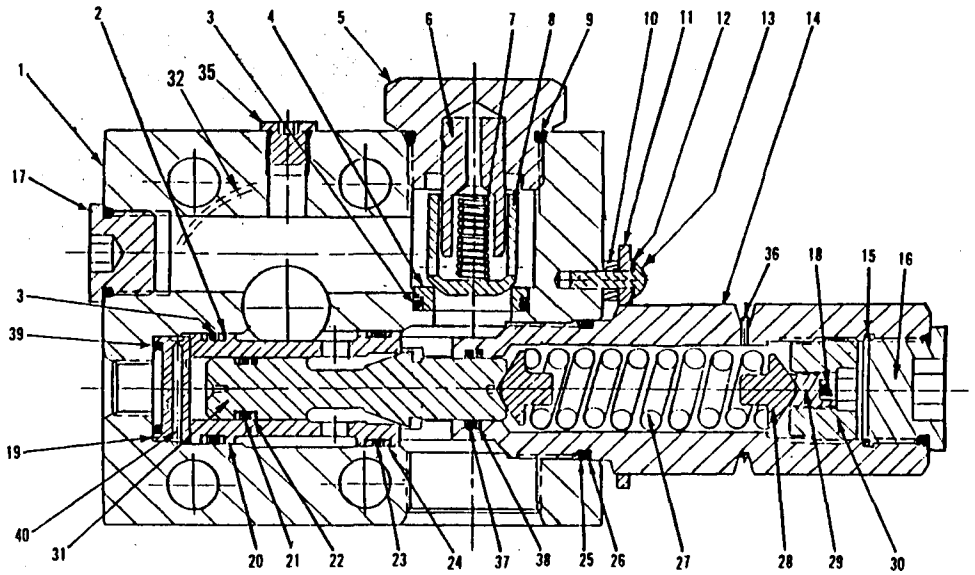


REF.	PART NO.	DESCRIPTION	QTY.	
	707 8224	Valve..... (Includes Items 1 thru 31, Requires Items 7 & 7A)	1	
1	-	Body.....	1	
2	-	Spool.....	1	
3	202301	Spring.....	1	
4	1218-63	Ring, "O".....	2	202302
5	24792	Ring, Back-Up.....	2	202303
6	202304	Retainer.....	1	
7	709 2335	Cap(Repl. 202305).....	1	
7A	1213-40	Breather.....	1	
8	202306	Capscrew.....	2	
9	202308	Capscrew.....	2	
10	204164	Pilot Valve Ass'y..... (Includes Items 11 thru 31)	1	
11	22845	Ring, "O".....	2	29306
12	202307	Ring, "O".....	1	
13	204160	Washer.....	1	
14	204161	Spacer.....	1	
15	-	Spool.....	1	
16	-	Body.....	1	
17	21196	Spring.....	1	
18	1219-624	Plug.....	1	
	1218-34	Ring, "O".....	1	
19	26849	Plug.....As Req'd.		
20	202309	Solenoid Ass'y..... (Includes Items 21 thru 31)	1	
21	24688	Coil.....	1	202310
22	26801	Sleeve, Inner.....	1	
23	26802	Spring.....	1	
24	26803	Case.....	1	
25	26804	Sleeve, Outer.....	1	
26	26807	Screw.....	4	
27	26808	Plate, End.....	1	
28	204162	Washer, Spacer.....	1	
29	204163	Guide Tube Ass'y..... (Includes 30,31)	1	
30	23289	Ring, "O".....	1	
31	29311	Ring, "O".....	1	



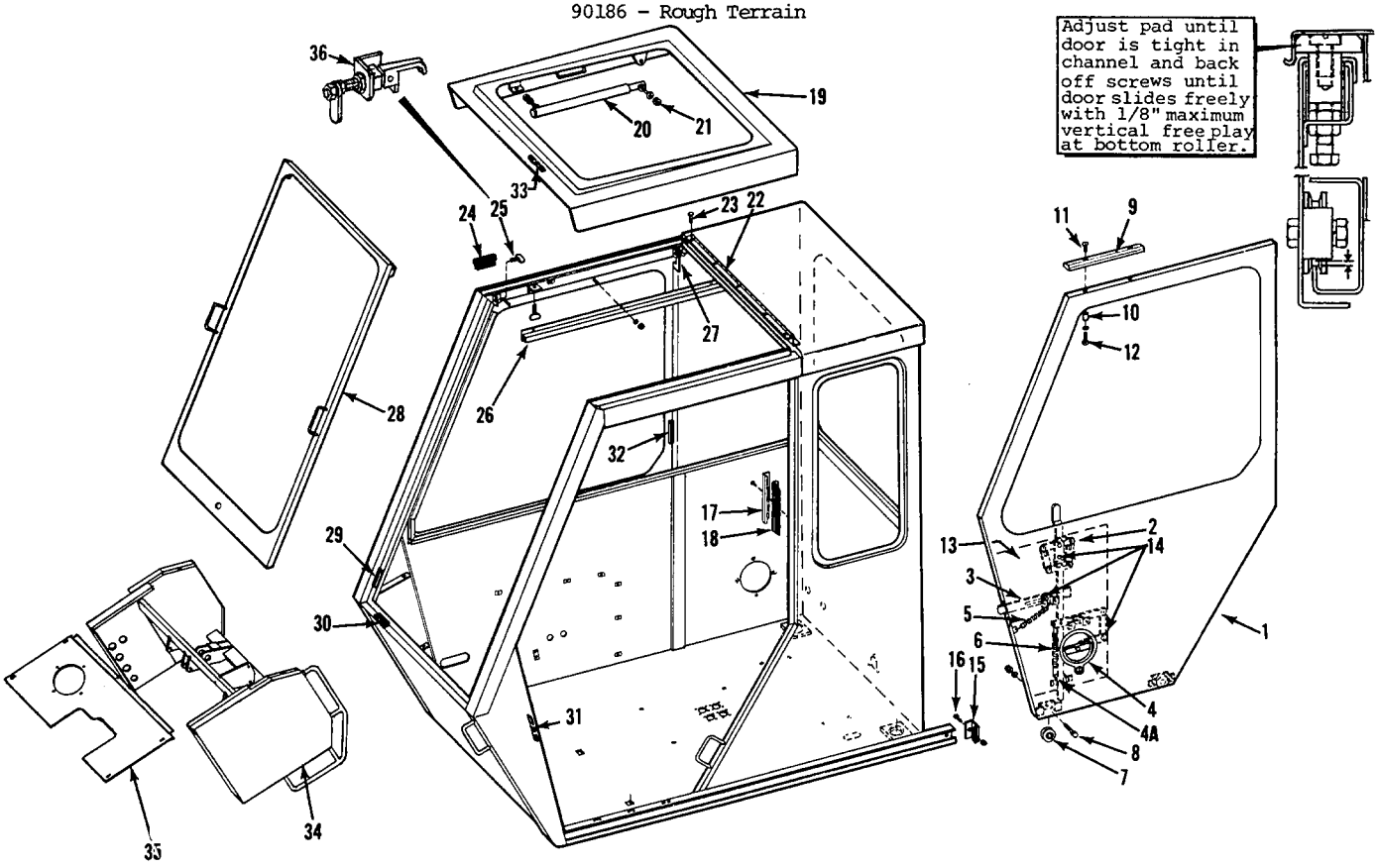
51653 NO LONGER AVAILABLE
A208339 KIT - Includes 709 5065 valve below and items as shown on Page 25.4.

REF.	PART NO.	DESCRIPTION	QTY.
	51653	Valve, Hold.....	1
	A202950	Kit, Seal..... (Includes Items Marked *)	1
1	-	Body.....	1
2	202951	Plug w/"O" ring.....	1
	1218-34	*Ring, "O".....	1
3	202952	Plug.....	1
4	202953	*Ring, "O".....	1
5	1218-116	*Ring, Back-Up.....	2
6	1218-114	*Ring, "O".....	1
7	25030	*Ring, Back-Up.....	2
8	23290	*Ring, "O".....	1
9	202954	*Ring, Back-Up.....	2
10	26824	*Ring, "O".....	1
11	202955	Seat.....	1
12	202956	Piston.....	1
13	202957	Guide, Spring.....	1
14	26567	Spring.....	1
15	1218-140	*Ring, "O".....	1
16	26830	End, Spring.....	1
17	202958	Setscrew.....	1
18	202959	Lockscrew.....	1
19	202960	Plug w/"O" ring.....	1
	13555	*Ring, "O".....	1
20	202961	Plug.....	1
21	202962	Plug Ass'y.....	1
22	1218-64	*Ring, "O".....	1
23	1218-65	*Ring, "O".....	1
24	26824	*Ring, "O".....	1
	202954	*Ring, Back-Up.....	1



REF.	PART NO.	DESCRIPTION	QTY.
	709 5065	Hold Valve.....	1
1		Body.....	1
2		Ring, Back-Up.....	2
3		O-Ring.....	2
4		Seat.....	1
5		Plug.....	1
6		End, Spring.....	1
7		Spring.....	1
8		Poppet.....	1
9		O-Ring.....	1
10		Spacer.....	1
11		Plate, Locking.....	1
12		Lockwasher.....	1
13		Stud, Drive.....	1
14		Plug, Adjustment.....	1
15		Ring, Wire.....	1
16		Plug.....	1
17		Plug.....	1
18		Sinker, Lead.....	1
19		Disc, Orifice.....	1
20		Seat (3:1).....	1
21		O-Ring.....	1
22		Ring, Back-Up.....	2
23		O-Ring.....	1
24		Ring, Back-Up.....	2
25		O-Ring.....	1
26		Ring, Back-Up.....	1
27		Spring.....	1
28		End, Spring.....	2
29		Setscrew.....	1
30		Setscrew.....	1
31		Poppet.....	1
32		O-Ring.....	1
35		Plug.....	1
36		O-Ring.....	1
37		O-Ring.....	1
38		Ring, Back-Up.....	1
39		O-Ring.....	1
40		Pin, Dowel.....	1

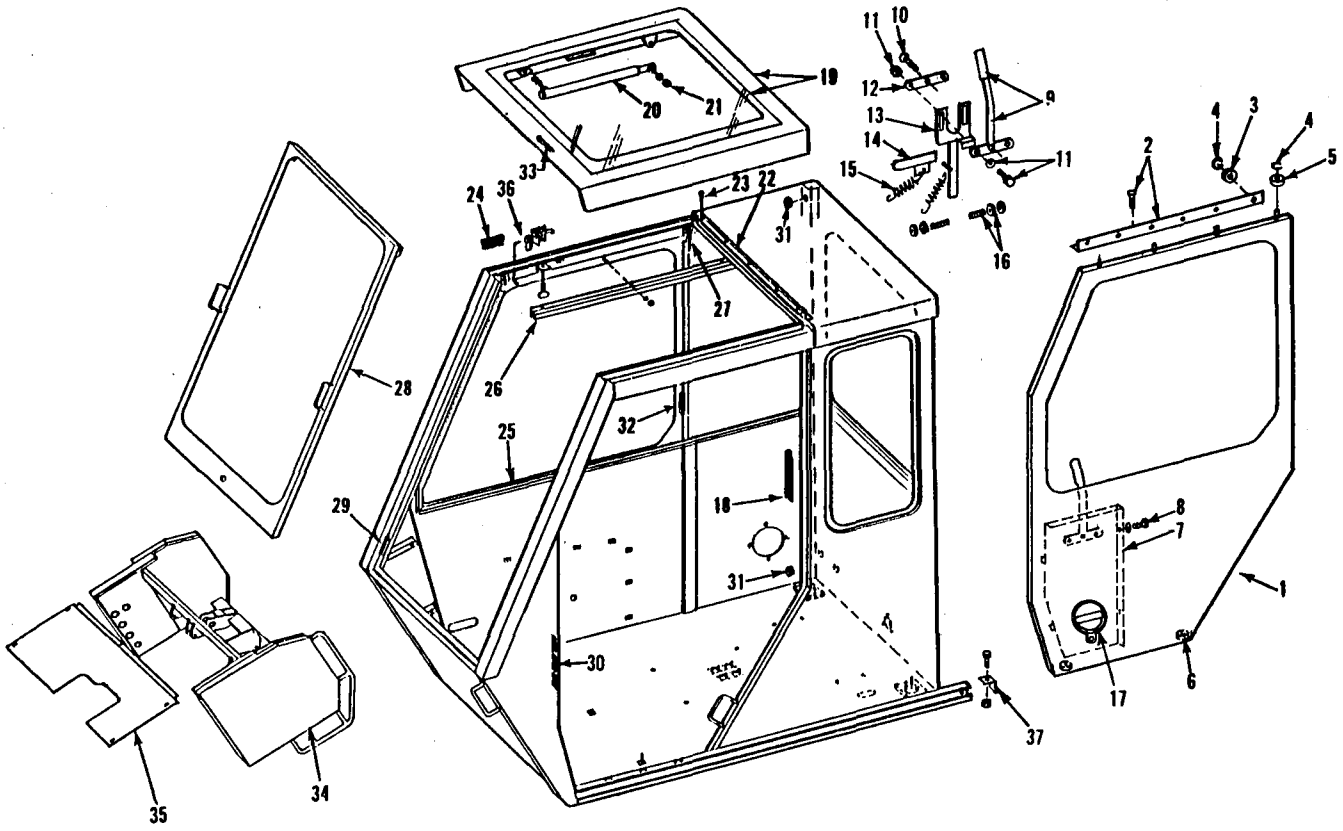
Prior Serial #
93163 - Carrier Crane
90186 - Rough Terrain



REF.	PART NO.	DESCRIPTION	QTY.
	708 2469	Cab Ass'y (Repl. 707 6480). (Includes Items 1 thru 36)	1
	201884	Cab Only	1
	A202791	Kit, Gasket. (Includes Items Marked *)	1
1	201678	Door Assembly. (Includes Items 2 thru 14)	1
2	201679	Handle & Link Ass'y	1
3	201680	Lever, Retractable	1
4	201681	Outer Lock w/Cylinder	1
4A	202948	Latch Assembly	1
5	201250	Spring	1
6	25547	Spring	1
7	201682	Roller w/Bearing	2
	201683	Bearing only	2
8	1200-31	Capscrew, 5/16C x 1	2
	1210-17	Washer, Lock, 5/16	2
	1205-25	Nut, 5/16C	2
9	201684	Spacer	1
10	201685	Spacer	1
11	201709	Screw, 5/16C x 5/8 Pan	2
12	1200-31	Capscrew, 5/16C x 1	2
	1205-29	Nut, 5/16C Jam	2
13	201686	Panel	1
	201710	Screw, #10 x 1/2 Truss	2
14	201711	Screw, 1/4C x 1/2 Pan	7
	1209-2	Washer, 1/4 Flat	7
15	201687	Stop, Door	1
	*	Pad (Neoprene)	1
16	1200-29	Capscrew, 5/16C x 3/4	1
	1210-17	Washer, Lock, 5/16	1
	1205-25	Nut, 5/16C	1
17	201688	Retainer, Top	1
	201689	Retainer, Bottom	1
	1211-2	Screw, #8 x 3/8	7

REF.	PART NO.	DESCRIPTION	QTY.
18	*	Gasket, Door	1
19	201691	Hatch, Top. (Includes Latches, Ref. 36)	1
20	201692	Gas Spring Ass'y	2
21	1205-26	Nut, 5/16F	2
	1210-17	Washer, Lock, 5/16	2
22	201693	Hinge (Part of Cab)	1
23	201712	Screw, 1/4C x 1/2 Truss	5
	1210-14	Washer, Lock, 1/4	5
	1205-13	Nut, 1/4C	5
24	*	Gasket	3
25	201695	Screw, Wing. Prior To Ref. 36	4
	201696	Retainer. Prior To Ref. 36	4
	201697	Receptacle, "U". Prior To Ref. 36	4
26	201698	Track, Window	1
	201699	Channel, Run	4
	1210-14	Washer, Lock, 1/4	4
	1205-13	Nut, 1/4C	4
27	201700	Angle	1
	201701	Stop, Window	1
	201702	Bolt, Wing	1
28	201703	Front Window Ass'y. (Includes Latches, Ref. 36)	1
29	*	Sponge, 1/4 x 1/2 Neoprene	2
30	*	Sponge, 1/4 x 3/4 Neoprene	1
31	*	Sponge, 3/8 x 3/4 Neoprene	1
32	*	Strip, Weather	1
33	*	Gasket	1
34	201885	Dash	1
	201713	Screw, 5/16C x 1/2 Truss	8
	1210-17	Washer, Lock, 5/16	8
35	201886	Top, Dash	8
36	1222-278	Latch, Window	4

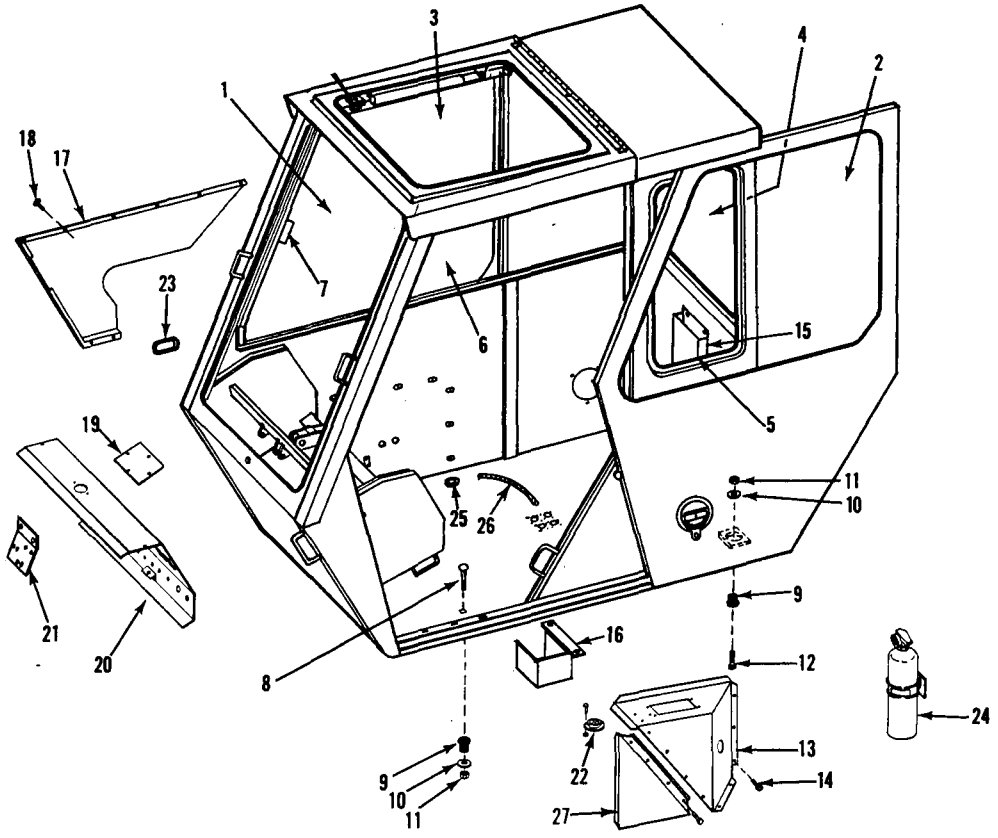
Begin Serial #
93163 - Carrier Crane
90186 - Rough Terrain



REF.	PART NO.	DESCRIPTION	QTY.
	707 4114	Cab Ass'y..... (Includes Items 1 thru 36)	1
	208604	Cab only.....	1
1	208618	Door Assembly..... (Includes Items 1 thru 17)	1
2	208643	Angle, Top.....	1
	205915	Screw.....	6
3	208091	Roller.....	6
4	208637	Ring, Retainer.....	10
5	208645	Roller.....	4
6	208092	Roller, Bottom.....	2
7	208639	Cover.....	1
8	208630	Screw, Pan Head.....	2
	1209-1	Plainwasher.....	2
9	208634	Handle.....	1
	208635	Sleeve, Handle.....	1
10	208638	Screw, Round Head.....	1
11	208620	Capscrew.....	2
	208644	Washer.....	2
	208621	Nut, Elastic.....	2
12	208640	Bar, Latch Mounting....	1
13	208641	Latch Assembly.....	1
14	208636	Handle Assembly.....	1
15	204596	Spring.....	2
16	208642	Capscrew, 1/4.....	2
	204589	Nut, 1/4.....	4
17	201681	Outer Lock w/Cylinder..	1
	200635	Key.....	1
18	208626	Gasket, Door.....	1
19	208607	Hatch, Top.....	1
	208629	Glass (Use Urethane Adhes).	1

REF.	PART NO.	DESCRIPTION	QTY.
20	208609	Gas Spring Ass'y.....	1
	208610	Stud, Ball.....	2
21	1205-25	Nut, 5/16C.....	2
	1210-17	Lockwasher.....	2
22		Hinge (Part of Cab).....	1
23	208608	Screw, 1/4C Truss.....	5
	1209-2	Plainwasher.....	5
	1210-14	Lockwasher.....	5
	204589	Nut, 1/4C.....	5
24	208612	Gasket, Hatch.....	1
25	208615	Track, Sliding Window..	1
26	208614	Channel.....	4
	1210-14	Lockwasher.....	4
	204589	Nut, 1/4C.....	4
27	208624	Angle.....	1
	208623	Stop, Window.....	1
	208625	Screw, Thumb.....	1
28	208613	Frame, Front Window....	1
29	208617	Seal (1/4 x 1/2 10').....	1
30	208631	Gasket, Push-On.....	1
31	27889	Grommet, Wire.....	2
32	208616	Weatherstrip.....	1
	208632	Rivet, Pop, 1/8.....	3
33	208611	Gasket.....	1
34	208605	Dash.....	1
	205895	Screw, 5/16C Truss.....	8
	205650	Plainwasher.....	8
	205606	Nut, 5/16C Elastic.....	8
35	208622	Top, Dash.....	1
	208630	Screw, Machine.....	6
36	204729	Latch, Window.....	2
37	208619	Stop, Door.....	1
	208620	Capscrew.....	1
	208621	Nut, Elastic.....	1

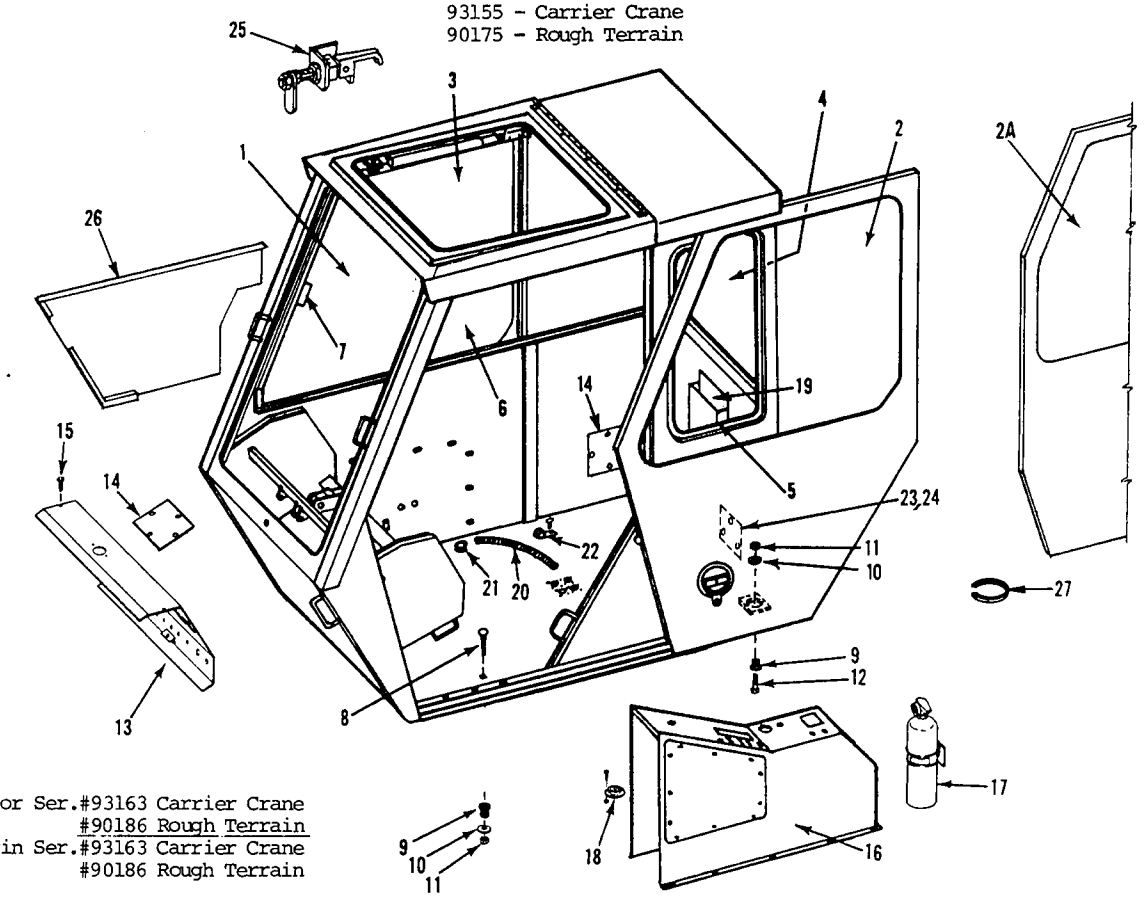
Prior Serial #
93155 - Carrier Crane
90175 - Rough Terrain



REF.	PART NO.	DESCRIPTION	QTY.
1	707 9027	Glass, Front.....	1
	707 9480	Glass, Front (tinted).....	opt.
	707 9113	Glass, Front (vandal).....	opt.
	707 9108	Glass, Front (vandal tint).	opt.
	1270-135	Strip, Weather.....	1
2	707 9026	Glass, Door.....	1
	707 9483	Glass, Door (tinted).....	opt.
	707 9114	Glass, Door (vandal).....	opt.
	707 9109	Glass, Door (vandal tint)..	opt.
	1270-127	Strip, Weather	1
3	707 9030	Glass, Top Hatch	1
	12212-102	Strip, Weather	1
4	707 9029	Glass, Rear.....	1
	707 9481	Glass, Rear (tinted).....	opt.
	707 9112	Glass, Rear (vandal).....	opt.
	707 9107	Glass, Rear (vandal tint)..	opt.
	1270-103	Strip, Weather	1
5	707 9031	Glass, Left Rear.....	1
	707 9482	Glass, Left Rear (tinted)..	opt.
	707 9111	Glass, Left Rear (vandal)..	opt.
	707 9106	Glass, Left Rear (vand tint).	opt.
	1270-76	Strip, Weather	1
6	707 9028	Glass, Sliding.....	1
	707 9484	Glass, Sliding (tinted)....	opt.
	707 9115	Glass, Sliding (vandal)....	opt.
	707 9110	Glass, Sliding (vandaltint).	opt.

REF.	PART NO.	DESCRIPTION	QTY.
7	1222-188	Pull, Finger.....	1
	12245-6	Stripping.....	1
8	1203-202	Bolt, 5/8C x 3-1/4.....	3
9	1221-71	Bushing, Mount.....	5
10	10328	Washer.....	5
11	1205-90	Nut, 5/8C Elastic.....	5
12	1200-158	Capscrew, 5/8C x 3-1/4.	2
13	707 8241	Console (Rough Terrain)...	1
	707 8242	Console (Carrier Crane)...	1
14	1233-53	Screw, #10 x 1/2.....As Req'd.	
15	707 6668	Box, Manual.....	1
16	707F6659	Cover, Connector.....	1
17	707 8245	Cover.....	1
18	1233-59	Screw, Machine, #10x1/2.	8
19	707 6562	Cover.....	1
20	707 8239	Dash (Rough Terrain).....	1
	707 8240	Dash (Carrier Crane).....	1
21	707 8494	Plate (Rough Terrain).....	1
	1200-2	Capscrew, 1/4F x 3/4...	8
	1230-8	Keps, 1/4F.....	8
22	47825	Level, Bubble.....	1
	1202-7	Screw, #10 x 1.....	3
	1230-6	Keps.....	3
23	1221-45	Grommet.....	1
24	A49301	Extinguisher, Fire.....	1
25	1223-50	Grommet.....	1
26	12190-24	Loom.....	1
27	706 8164	Cover, Console.....	1
	12177-16	Trim.....	1
	1211-15	Screw.....	5

Begin Serial #
93155 - Carrier Crane
90175 - Rough Terrain

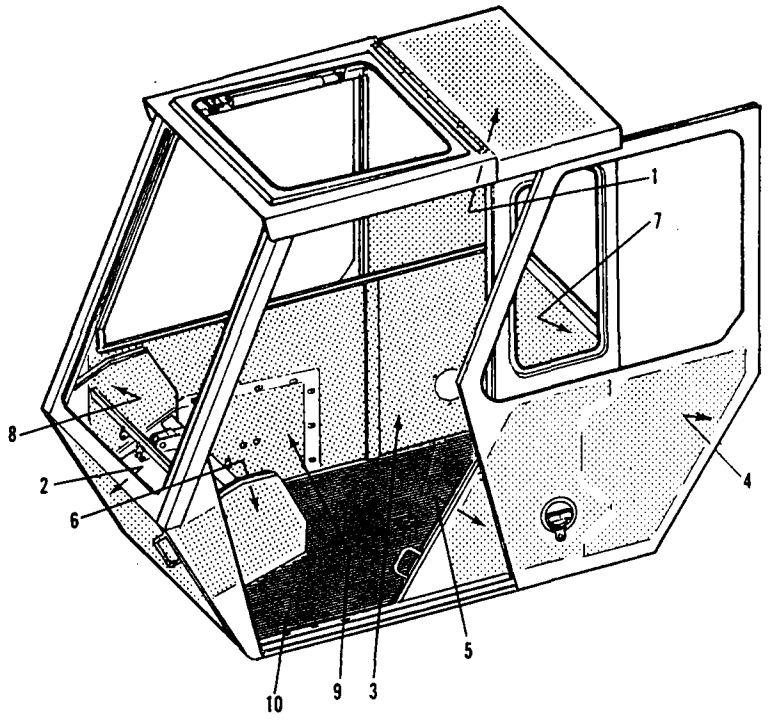


• Prior Ser.#93163 Carrier Crane
#90186 Rough Terrain
* Begin Ser.#93163 Carrier Crane
#90186 Rough Terrain

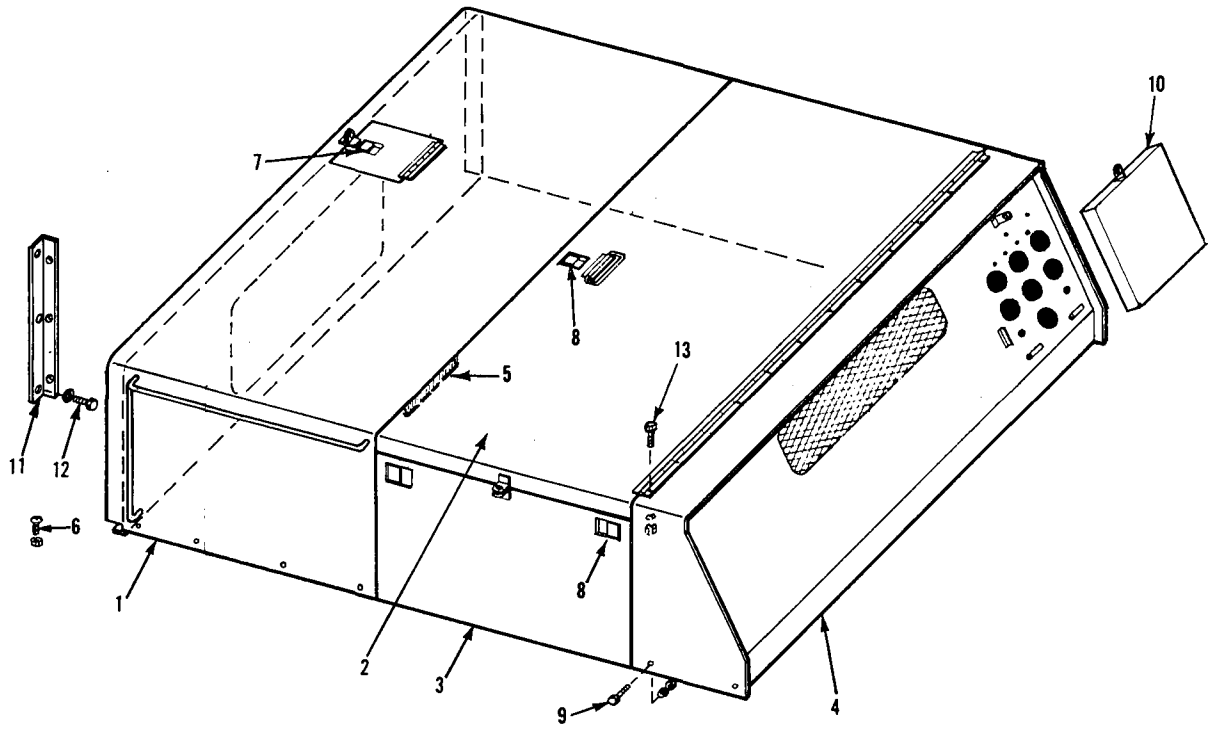
REF.	PART NO.	DESCRIPTION	QTY.
1	707 9027	Glass, Front.....	1
	707 9480	Glass, Front (tinted).....	opt.
	707 9113	Glass, Front (vandal).....	opt.
	707 9108	Glass, Front (vandal tint).	opt.
	1270-135	Strip, Weather.....	1
2 •	707 9026	Glass, Door.....	1
	707 9483	Glass, Door (tinted).....	opt.
	707 9114	Glass, Door (vandal).....	opt.
	707 9109	Glass, Door (vandal tint)..	opt.
	1270-127	Strip, Weather.....	1
2A *	707 4153	Glass, Door.....	1
	707 4154	Glass, Door (tinted).....	opt.
	707 4155	Glass, Door (vandal).....	opt.
	707 4156	Glass, Door (vandal tint)..	opt.
	1270-122	Strip, Weather.....	1
3 •	707 9030	Glass, Top Hatch.....	1
	12212-102	Strip, Weather.....	1
3 *		Glass, Top Hatch (glued)..	1
4	707 9029	Glass, Rear.....	1
	707 9481	Glass, Rear (tinted).....	opt.
	707 9112	Glass, Rear (vandal).....	opt.
	707 9107	Glass, Rear (vandal tint)..	opt.
	1270-103	Strip, Weather	1
5	707 9031	Glass, Left Rear.....	1
	707 9482	Glass, Left Rear (tinted)..	opt.
	707 9111	Glass, Left Rear (vandal)..	opt.
	707 9106	Glass, Left Rear (vand tint).	opt.
	1270-76	Strip, Weather	1
6	707 9028	Glass, Sliding.....	1
	707 9484	Glass, Sliding (tinted)....	opt.
	707 9115	Glass, Sliding (vandal)....	opt.
	707 9110	Glass, Sliding (vandaltint).	opt.

REF.	PART NO.	DESCRIPTION	QTY.
7	1222-188	Pull, Finger.....	1
	12245-6	Stripping.....	1
8	1203-202	Bolt, 5/8C x 3-1/4.....	3
9	1221-71	Bushing, Mount.....	5
10	10328	Washer.....	5
11	1205-90	Nut, 5/8C Elastic.....	5
12	1200-160	Capscrew, 5/8C x 3-1/2.	2
13	708F0651	Dash(Carrier Crane) Repl .	1
	707 0649	Dash(Rough Terrain) 708 2878	1
14	707 6562	Cover.....	1
15	1233-59	Screw, #10 x 1/2.....	24
	1209-1	Washer, Plain.....	44
16	708 2921	Console (See Page 33.3)...	1
17	A49301	Extinguisher, Fire.....	1
18	47825	Level, Bubble.....	1
	1202-7	Screw, #10 x 1.....	3
	1230-6	Keps.....	3
19	707 6668	Box, Manual.....	1
20	12190-24	Loom.....	1
21	1223-50	Grommet.....	1
22	1240-53	Clamp.....	1
	1211-12	Screw, Self-Tapping....	1
23	708 0398	Cover.....	1
24	1200-1	Capscrew, 1/4C x 3/4...	3
	1205-13	Nut, 1/4C.....	3
25	1222-278	Latch, Window.....	4
26	707 8245	Cover.....	1
27	1221-44	Grommet, Brake Cable...	1
	12283-11	Grommet, Hose.....	1

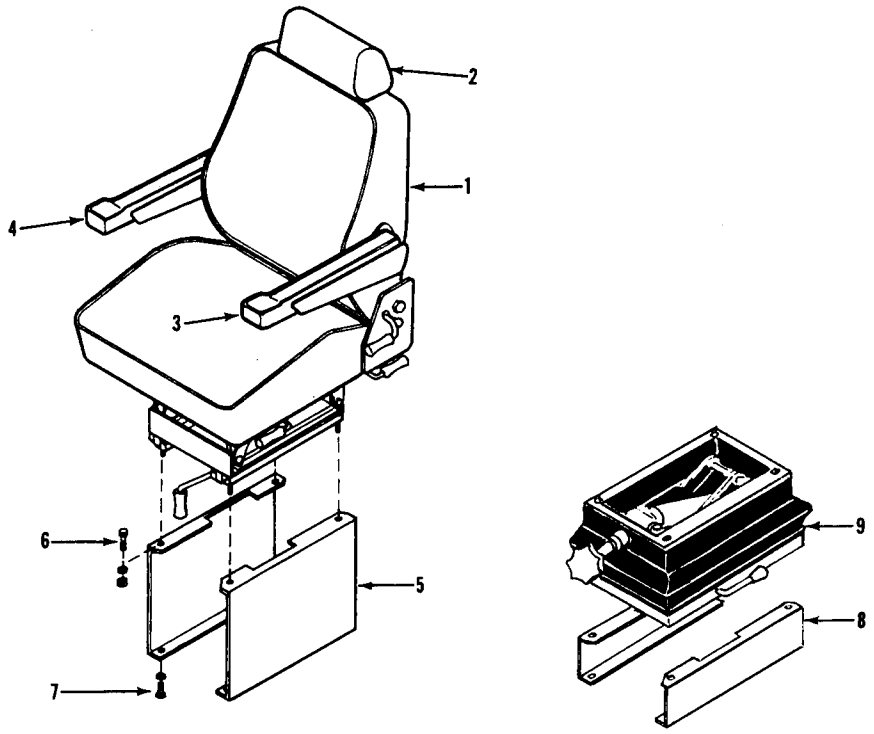
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED



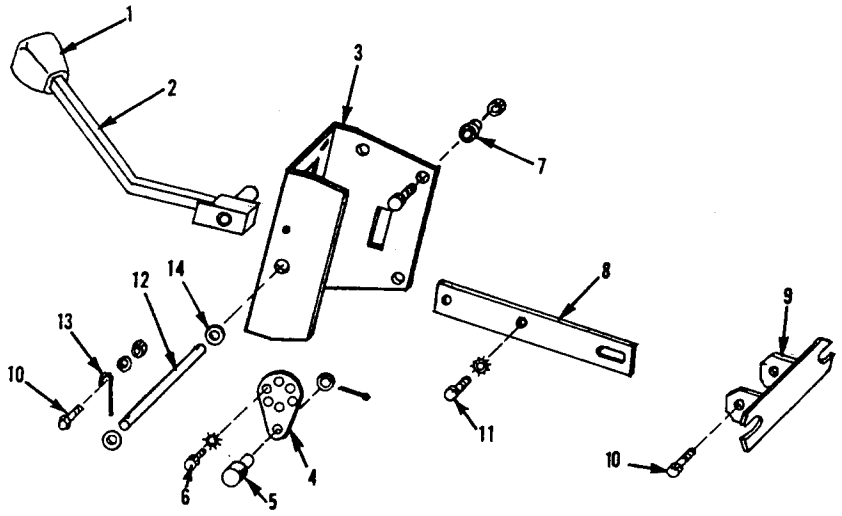
REF.	PART NO. Prior Ser. #93155 #90175	PART NO. Begin Ser. #93155 #90175 Carrier Crane Rough Terrain	INSULATION	QTY.
1	707 9032	707 9032	Insulation, Top.....	1
2	707 9034	708 2420	Insulation, Front.....	1
3	707 9035	708 2419	Insulation, RH Side...	1
4	707 9036	707 9036	Insulation, Door.....	1
5	707 9037	707 9037	Insulation, LH Rear...	1
6	707 9038	708 2421	Insulation, LH Dash...	1
7	707 9039	707 9039	Insulation, Rear.....	1
8	707 9040	707 9040	Insulation, RH Dash...	1
9	707 9041	708 2424	Insulation, Console...	1
10	707 9033	708 2418	Mat, Floor.....	1



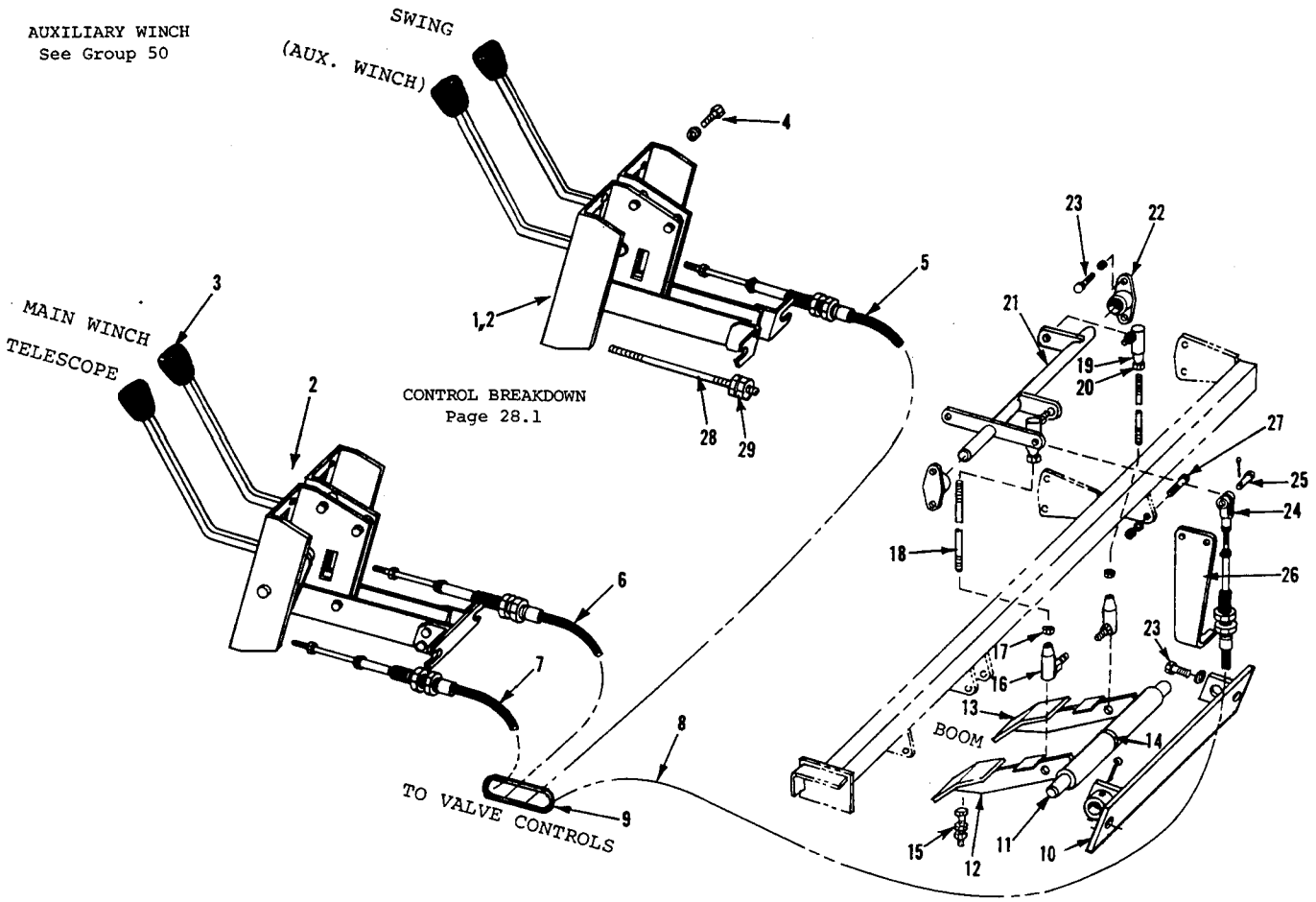
REF.	PART NO.	DESCRIPTION	QTY.	
		Engine Cover Ass'y..... (Includes Items 1 Thru 5)	1	
1	707 9003	Grill w/Door.....	1	
2	707 6016	Hood w/Latch.....	1	
3	707 6012	Side w/Latches.....	1	
4	707 6015	Dash (Prior Ser.#90175)....	1	(For Gauges)
	708 0598	Dash (Begin Ser.#90175)....	1	(w/o Gauges)
5	201585	Strip, Anti-Squeak.....	1	
6	1202-15	Screw, Machine.....	12	
7	201584	Latch, For Item 1.....	1	
8	201715	Latch, For Items 2,3...	5	
9	1200-57	Capscrew, 3/8C x 3/4...	12	
	1210-20	Washer, Lock, 3/8.....	12	
	1205-36	Nut, 3/8C.....	12	
10	707 9393	Cover, Vandal.....	1	} Opt.
	12260-845	Decal.....	1	
11	707 9628	Angle.....	2	
12	1200-29	Capscrew, 5/16C x 3/4..	6	
	1210-17	Washer, Lock.....	6	
13	1200-1	Capscrew, 1/4C x 3/4...	10	
	1200-3	Capscrew, 1/4C x 1.....	2	
	1210-14	Washer, Lock.....	12	



REF.	PART NO.	DESCRIPTION	QTY.	
1	707 6242	Seat (Less Items 2,3,4)...	1	
2	707 6303	Rest, Head.....	1	
3	707 6305	Rest, Arm (LH).....	1	
4	707 6306	Rest, Arm (RH).....	1	
5	707 6243	Bracket.....	2	
6	1200-29	Capscrew, 5/16C x 3/4..	4	
	1210-17	Washer, Lock, 5/16.....	4	
	1205-25	Nut, 5/16C.....	4	
7	1200-57	Capscrew, 3/8C x 3/4...	4	
	1210-20	Washer, Lock, 3/8.....	4	
8	707 6693	Bracket.....	2	} -Optional
9	707 6244	Suspension.....	1	

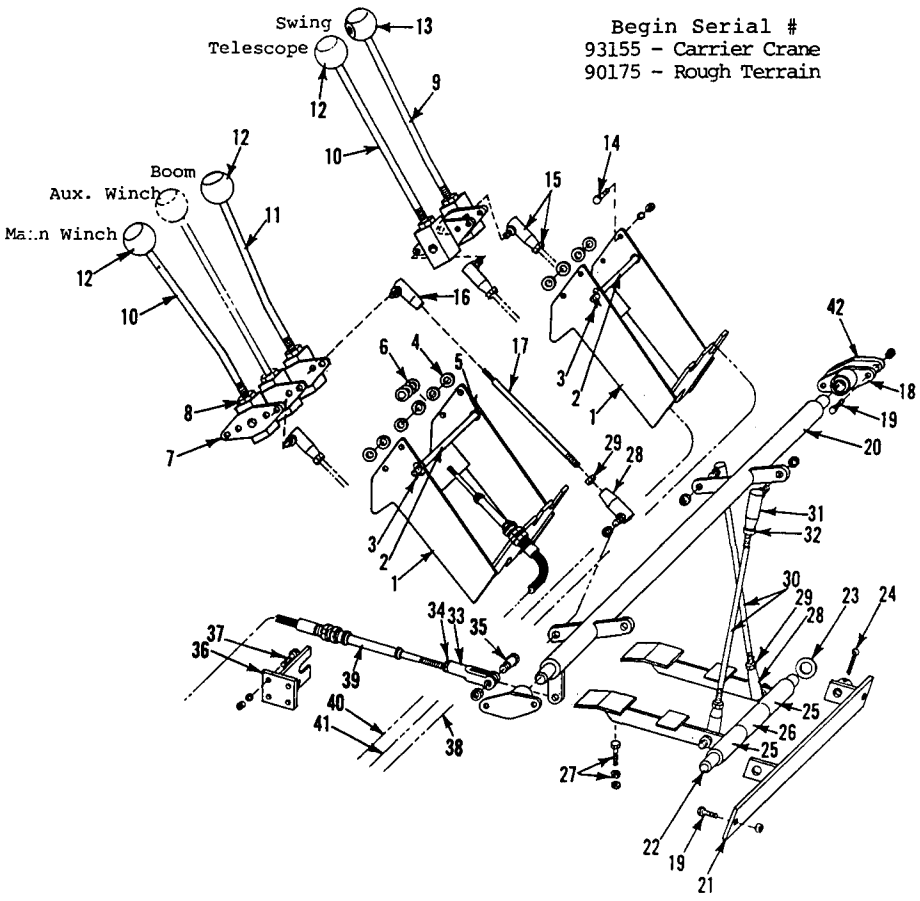


REF.	PART NO.	DESCRIPTION	QTY.	QTY.
	1291-95	Single Lever Control...	1	
	1291-92	Double Lever Control...		1
1	201887	Knob.....	2	1
2	201888	Lever.....	1	1
	201889	Lever (Shown).....	1	-
3		Housing.....	2	2
4	201890	Lever, Output.....	2	1
5	201891	Swivel.....	2	1
		Washer.....	2	1
		Pin, Cotter.....	2	1
6		Capscrew, 1/4C x 5/8...	4	2
		Washer, Ext. Tooth.....	4	2
7	201892	Spacer.....	3	3
		Capscrew, 1/4C x 7/8...	3	3
		Nut, Lock.....	3	3
8		Strap.....	2	2
9		Bracket Ass'y.....	1	1
10		Capscrew, 1/4C x 1/2...	6	6
		Nut.....	6	6
11		Capscrew, 1/4C x 3/8...	4	4
		Washer, Ext. Tooth.....	4	4
12	201893	Pin.....	1	1
13	201894	Pin, Lock.....	2	2
14		Washer.....	2	2



REF.	PART NO.	DESCRIPTION	QTY.
1	1291-95	Control Ass'y (Single)... (Replaced by Items 2,28,29)	1
2	1291-92	Control Ass'y (Double)...	2
3		Decals (Page 30.1).....As Req'd.	
4	1200-1	Capscrew, 1/4C x 3/4...	8
	1210-14	Washer, Lock, 1/4.....	8
5	1291-88	Cable (Swing).....	1
6	1291-89	Cable (Winch).....	1
7	1291-91	Cable (Telescope).....	1
8	1291-91	Cable (Boom).....	1
9	12283-11	Grommet.....	1
10	707F6137	Bracket.....	1
11	707 6265	Pin.....	1
	1207-13	Pin, Cotter.....	1
12	707F6567	Pedal w/Bushing(RH)....	1
	1214-122	Bushing.....	2
13	707F6569	Pedal w/Bushing(LH)....	1
	1214-122	Bushing.....	2
14	1208-8	Bushing, Machinery.....	1
15	1200-69	Stopscrew, 3/8C x 2-1/4 ..	2
	1205-39	Nut, 3/8C Jam.....	4

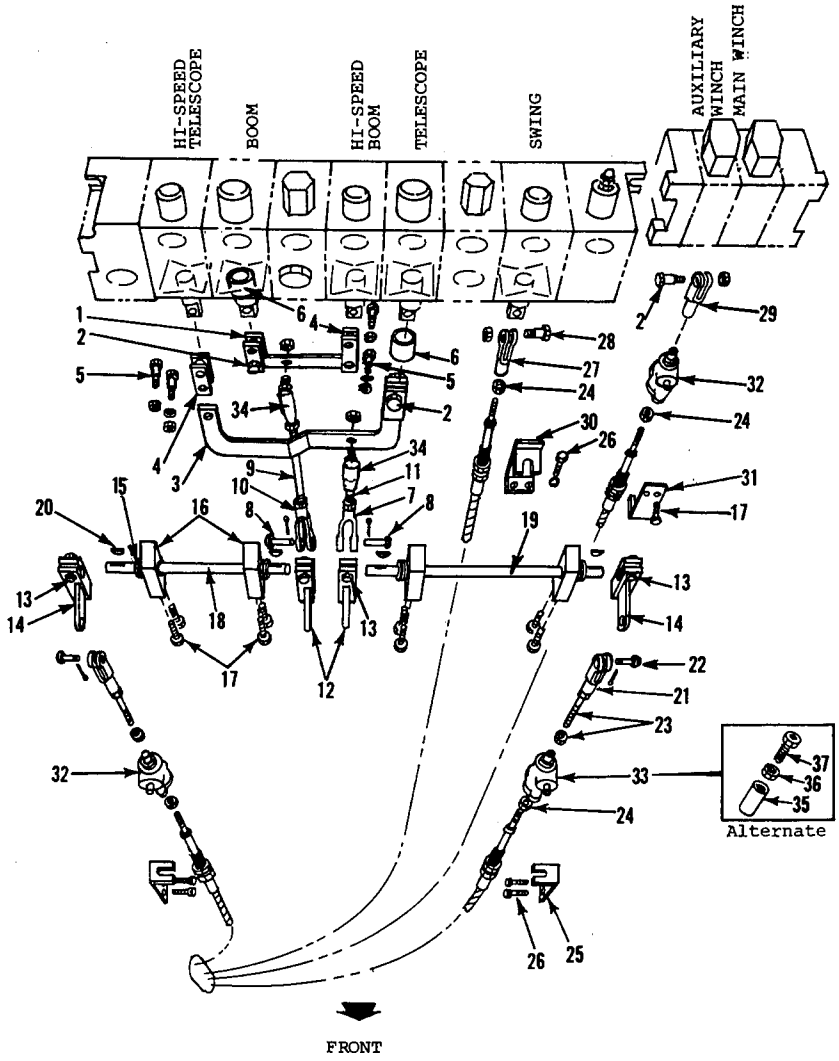
REF.	PART NO.	DESCRIPTION	QTY.
16	1222-182	Balljoint (LH).....	2
17	1205-162	Nut, 3/8F (LH).....	2
	1210-20	Washer, Lock, 3/8.....	2
18	707 6135	Rod.....	2
19	1222-139	Balljoint.....	2
20	1205-37	Nut, 3/8F.....	2
	1210-20	Washer, Lock, 3/8.....	2
21	707F6140	Bellcrank.....	1
22	1217-341	Bearing.....	2
23	1200-29	Capscrew, 5/16C x 3/4..	6
	1210-17	Washer, Lock, 5/16.....	6
24	3062	Yoke.....	1
	1205-26	Nut, 5/16F.....	1
25	3063	Pin.....	1
	1207-2	Pin, Cotter.....	1
26	707 6138	Plate.....	1
27	1200-59	Capscrew, 3/8C x 1.....	2
	1210-20	Washer, Lock, 3/8.....	2
	1205-37	Nut, 3/8C.....	2
28	708 0086	Rod.....	1
29	1205-34	Nut.....	2
	1209-60	Washer.....	2



Optional Disconnects
Shown on Page 28.9

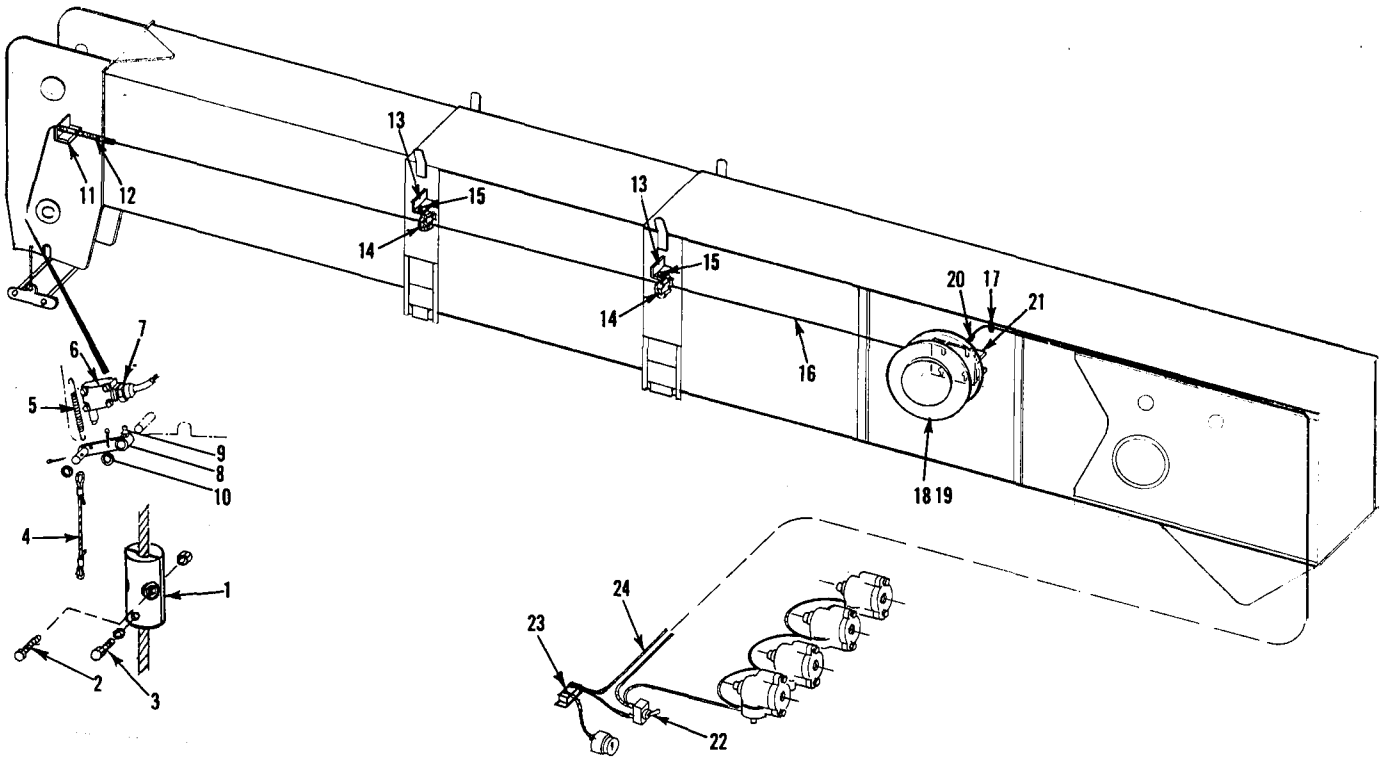
REF.	PART NO.	DESCRIPTION	QTY.	
	708A2444	2-Lever Ass'y	1	-
	708A2434	3-Lever Ass'y	-	1
		(Above Ass'ys Include Items 1 thru 13 as applicable)		
1	708F2443	Bracket, 2-Lever.....	1	-
	708F2438	Bracket, 3-Lever.....	-	1
2	708 2450	Pin, 2-Lever.....	1	-
	708 2439	Pin, 3-Lever.....	-	1
3	1207-11	Pin, Cotter.....	2	2
4	1214-133	Bearing.....	4	6
5	1214-134	Bearing.....	2	2
6	1208-78	Bushing, Machinery.....	7	12
7	708F2440	Bellcrank.....	2	3
8	1205-58	Nut.....	2	2
9	708 2436	Rod.....	1	-
10	708 2436	Rod.....	1	1
11	708 2436	Rod.....	-	1
12	1221-103	Knob.....	1	2
13	706 8582	Knob.....	1	-
14	1200-1	Capscrew, 1/4C x 3/4...	8	
	1210-14	Washer, Lock.....	8	
15	1222-233	Balljoint.....	3	
	1205-28	Nut, 1/4F.....	4	
16	1222-233	Balljoint.....	1	
17	708 2464	Rod (10-1/4" lg).....	1	
18	1217-341	Bearing.....	2	
19	1200-29	Capscrew, 5/16C x 3/4..	6	
	1210-17	Washer, Lock.....	6	

REF.	PART NO.	DESCRIPTION	QTY.
20	708F2458	Bellcrank.....	1
21	708F2454	Bracket.....	1
22	708 2451	Pin.....	1
23	1208-8	Bushing, Machinery.....	1
24	1207-13	Pin, Cotter.....	1
25	708F2452	Pedal w/Bushings.....	2
	1214-122	Bushings.....	4
26	708 2456	Spacer.....	1
27	1200-69	Capscrew, 3/8C x 2-1/4.	1
	1205-39	Nut, 3/8C Jam.....	2
28	1222-182	Balljoint, LH.....	3
29	1205-162	Nut, 3/8F LH.....	3
	1210-20	Washer, Lock.....	5
30	708 2463	Rod (8-1/2" lg.).....	2
31	1222-139	Balljoint.....	2
32	1205-37	Nut, 3/8F.....	3
33	75039	Yoke.....	3
34	1205-14	Nut, 1/4F.....	5
35	1203-134	Bolt, Shoulder (3/8)...	1
	1205-32	Nut, 5/16C Self-Lock...	1
36	706F8593	Bracket, Dead-End.....	1
37	1200-5	Capscrew, 1/4C x 1-1/4.	4
	1210-20	Washer, Lock.....	4
38	1291-88	Cable, Swing.....	1
39	1291-98	Cable, Boom.....	1
40	1291-88	Cable, Telescope.....	1
41	1291-89	Cable, Winch.....	1
42	706 8813	Block, Spacer.....	1

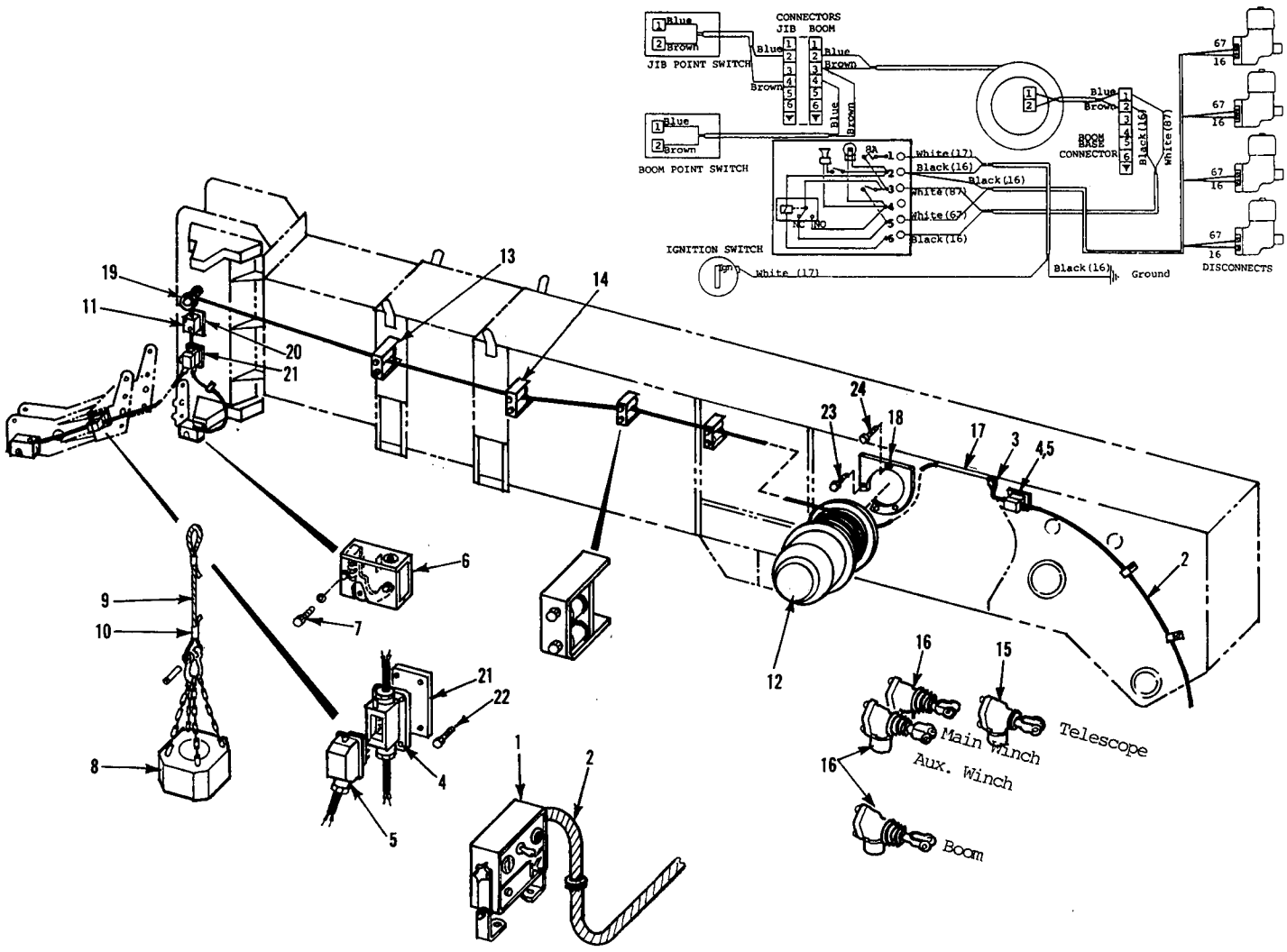


REF.	PART NO.	DESCRIPTION	QTY.
1	707F8102	Link	1
2	1203-186	Bolt, Shoulder	3
	1205-45	Nut, 3/8C Elastic	3
3	708F0378	Link (Repl. 707F8098)	1
4	707 8097	Link	4
5	1203-134	Bolt, Shoulder	4
	1209-4	Washer	2
	1205-34	Nut, 5/16C Elastic	4
6	707 8101	Spacer	2
7	3118	Yoke	1
	1205-40	Nut, 3/8F Jam	1
8	3119	Pin	2
	1207-5	Pin, Cotter	2
9	707 8096	Rod	1
10	35559	Yoke	1
	1205-162	Nut, 3/8F LH	1
11	708 0380	Rod (Repl. 707 8095 Yoke)	1
12	707F8110	Lever	2
13	1200-37	Capscrew, 5/16C x 1-3/4	4
	1205-32	Nut, 5/16C Nylok	4
14	707F8090	Lever	2
15	1208-7	Bushing, Machinery	12
16	A65455	Support w/Bushing	4
	1217-278	Bushing only	4
	1213-8	Zerk, Grease	4
17	1200-59	Capscrew, 3/8C x 1	10
	1210-20	Washer, Lock, 3/8	10
	1205-36	Nut, 3/8C	10

REF.	PART NO.	DESCRIPTION	QTY.
18	707 8094	Shaft	1
19	707 8092	Shaft	1
20	1232-6	Key, Woodruff	4
21	3062	Yoke	2
22	3063	Pin	2
	1207-4	Pin, Cotter	2
23	707 6085	Rod	2
	1205-26	Nut, 5/16F	2
24	1205-26	Nut, 5/16F	2
25	707 8093	Angle	2
26	1200-57	Capscrew, 3/8C x 3/4	6
	1210-20	Washer, Lock, 3/8	6
27	75039	Yoke	1
	1205-26	Nut, 5/16F	1
28	1203-134	Bolt, Shoulder	1
	1205-34	Nut, 5/16C Elastic	1
29	707 8106	Yoke	1
30	707F8107	Bracket	1
31	707F8105	Bracket	1
32	707A6086	Disconnect..... See Page 28.5	2
33	707A6097	Disconnect..... 28.5	1
34	1222-139	Joint, Ball	2
	1205-40	Nut, 3/8F Jam	2
35	707 6869	Spacer	1
36	1205-205	Nut, 1/2C Jam	1
37	707 6868	Bolt	1

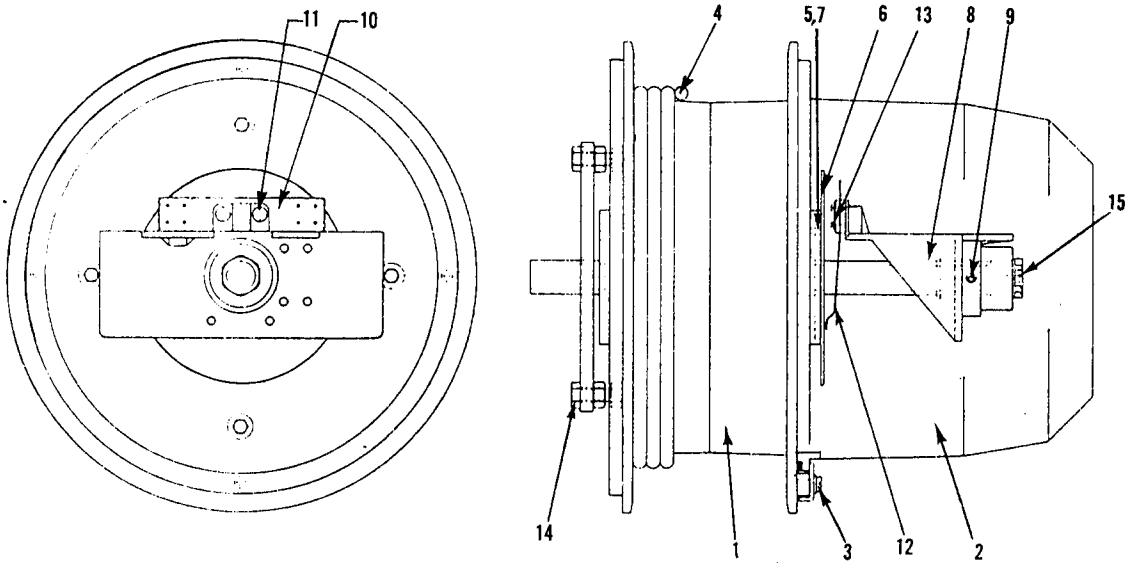


REF.	PART NO.	DESCRIPTION	QTY.
1	707 6708	Block, Split.....	1
2	1203-74	Capscrew, 3/8C x 1-3/4 sock.	2
	1205-45	Nut, 3/8C Elastic.....	2
3	1200-93	Capscrew, 1/2C x 3/4...	1
	1210-26	Washer, Lock, 1/2.....	1
	707 6745	Bushing	
4	12210-30	Rope, Wire.....	2
	1222-247	Sleeve.....	4
5	37141	Spring.....	1
6	1223-477	Switch.....	1
7	1223-535	Connector.....	1
8	707F6444	Bellcrank.....	1
9	1213-8	Fitting, Grease.....	1
10	1208-2	Bushing, Machinery.....	3
	1207-5	Pin, Cotter.....	3
11	707 8371	Angle.....	1
12	1222-242	Grip, Wire.....	1
13	65941	Angle.....	2
14	65954	Guide, Cable.....	2
15	1200-57	Capscrew, 3/8C x 3/4...	2
	1210-20	Washer, Lock, 3/8.....	2
16	65994	Cable.....	1
17	1240-27	Clip.....	15
	1211-8	Screw, Drive.....	15
18	65948	Reel Ass'y.....	1
19	1200-59	Capscrew, 3/8C x 1.....	4
	1209-4	Washer, Plain, 3/8.....	4
	1210-20	Washer, Lock, 3/8.....	4
20	1223-90	Connector.....	1
21	F65991	Bracket.....	1
22	1223-531	Switch, Override.....	1
23	1223-443	Breaker, Circuit.....	1
24	707 8700	Harness, Wire.....	1



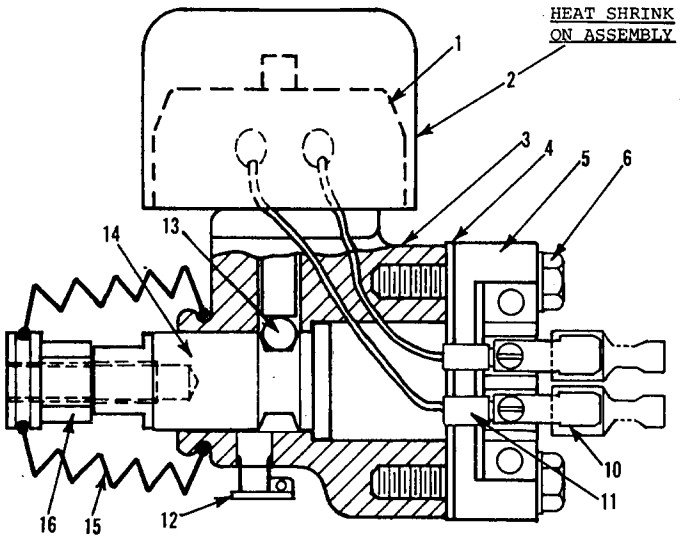
REF.	PART NO.	DESCRIPTION	QTY. Boom	QTY. Jib
	708A0281	Two-Block Ass'y (Boom)... (Includes Items 1 thru 25)	Opt.	
	708A0282	Two-Block Ass'y (Jib).... (Incl. 4 thru 10,17,21,25,26)		Opt.
	706A8816	Two-Block Ass'y (Aux Sheave) (Incl. 4 thru 10,17,21,25)		Opt.
1	708 0273	Control Panel Ass'y....	1	
2	708 0654	Harness.....	1	
3	12422-216	Cable, 2-Conductor.....	10m	
4	708 0271	Receptacle w/Plate.....	2	3
5	708 0272	Plug, 6-Pin.....	2	2
6	708 0275	Switch.....	1	1
7	1200-39	Capscrew, 5/16C x 2....	2	2
	1210-17	Washer, Lock, 5/16.....	2	2
8	709 4487	Weight & Chains.....	1	1
9	12210-20	Rope, Wire.....	1	1
10	1222-247	Sleeve.....	2	2
11	708 0279	Block, Clamping.....	1	1
	1203-226	Capscrew,M8-1.25 x 25 socket.	2	2

REF.	PART NO.	DESCRIPTION	QTY. Boom	QTY. Jib
12	708 0274	Reel, Cable.....	1	
13	708F0605	Guide, Wide (Repl 708 0278).	1	
14	708F0606	Guide, Narrow (Repl 708 0277)	3	
15	706A8048	Disconnect.....	1	]-Opt.
16	706A8049	Disconnect.....	3	
17	708 0304	Tube (148").....	1	
	708 0313	Tube (240").....		1
18	706 8190	Plate.....	1	
19	708 0604	Tube.....	1	
	1208-73	Washer.....	1	
20	706 8188	Plate.....	1	
21	706 8189	Plate.....	1	1
22	1202-29	Capscrew, M5-.8 x 16 slot..	8	
	1210-7	Washer, Lock.....	8	
23	1203-227	Caspcrew, M8-1.25 x 40 sock.	3	
24	1200-365	Capscrew, M8-1.25 x 30.....	1	
	1210-19	Washer, Lock.....	1	
25	708 2982	Pad, VCI (Small).....	2	3
	708 2979	Pad, VCI (Large).....	2	-
26	12422-672	Cable (56').....	-	1
	12261-54	Manual, Operator's.....	1	1

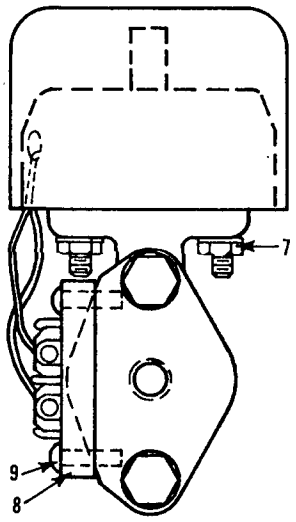


REF.	PART NO.	DESCRIPTION	
	708 0274	Cable Reel Ass'y (Includes Items 1 thru 15)	30.09030
1		Body	31.00026
2	205422	Cover w/Seal	31.00028
		Seal	31.00030
		Clamp, Angle	101.00006
3		Screw	96.08505-12
		Washer	96.00029
4	204270	Cable(108')	97.00130
5		Spacer	33.00075
6		Slipring, 3-pole	32.00017
7		Screw	96.96305-12
8		Bracket, Angle	33.00076
9		Setscrew, Allen	96.91606-10
10		Strip, Terminal, 3-pole	33.00071
11		Screw	96.08404-10
12		Slipper complete	32.00004
13		Screw	96.08423-10
14		Screw	96.93308-25
		Nut	96.93408
15		Connector, Cable	98.00044

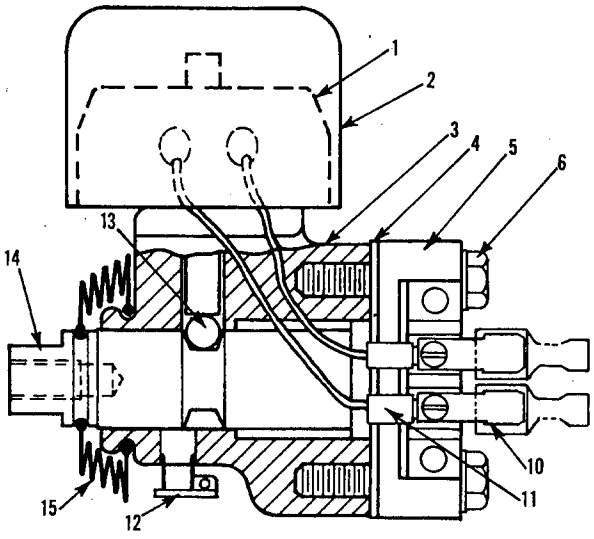
BOOM, MAIN & AUX. WINCHES



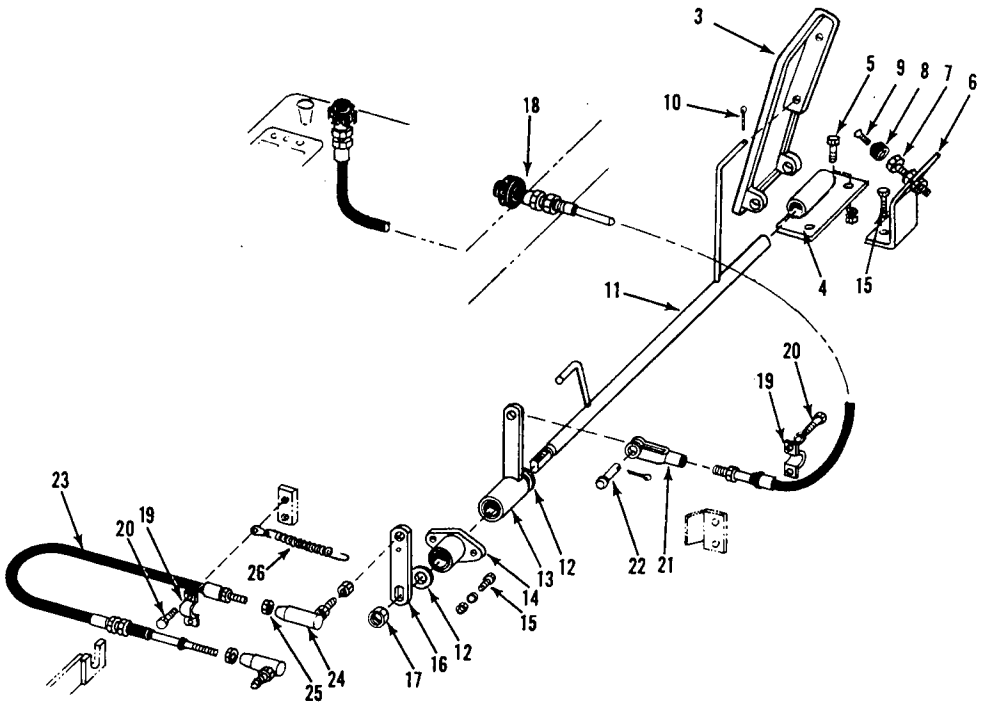
REF.	PART NO.	DESCRIPTION	QTY.
	706A8049	Disconnect Ass'y..... (Includes Items 1 thru 16) (Same as A203549) - Replaces 707A6086 -	1
1	706 8054	Solenoid & Cap.....	1
2	706 8051	Cap.....	1
3	706 8053	Case.....	1
4	706 8055	Gasket.....	1
5	706 8022	Cap.....	1
6	1200-5	Capscrew, 1/4C x 1-1/4.	2
	1210-14	Washer, Lock, 1/4.....	2
7	1205-3	Nut, #8C.....	2
	1210-4	Washer, Lock, #8.....	2
8	1223-651	Block, Terminal.....	1
9	1211-23	Screw, Drive.....	2
10	1223-653	Terminal.....	2
11	1223-652	Terminal.....	2
12	1213-44	Cap, Oil.....	1
13	1222-279	Ball.....	1
14	706 8057	Spool (Short).....	1
15	1221-94	Boot.....	1
16	706 8058	Nut.....	1



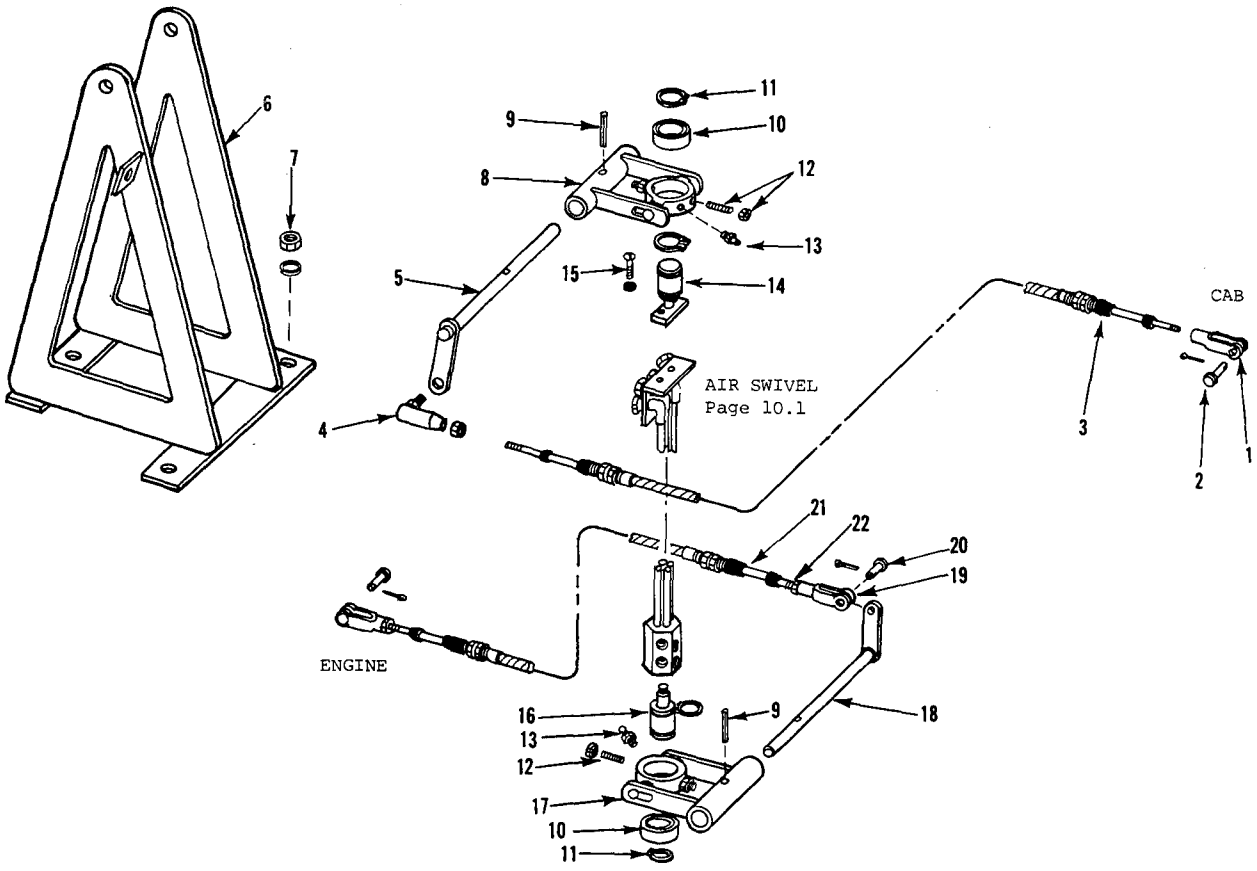
TELESCOPE



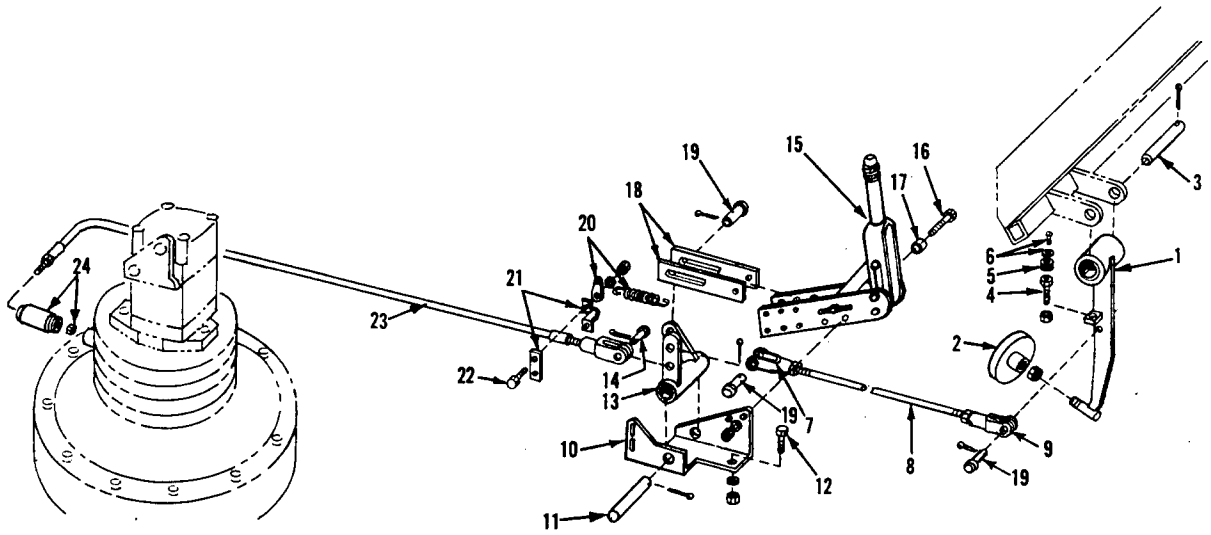
REF.	PART NO.	DESCRIPTION	QTY.
	706A8048	Disconnect Ass'y..... (Includes Items 1 thru 15) (Same as A203550) - Replaces 707A6097 -	1
1	706 8054	Solenoid & Cap.....	1
2	706 8051	Cap.....	1
3	706 8053	Case.....	1
4	706 8055	Gasket.....	1
5	706 8022	Cap.....	1
6	1200-5	Capscrew, 1/4C x 1-1/4.	2
	1210-14	Washer, Lock, 1/4.....	2
7	1205-3	Nut, #8C.....	2
	1210-4	Washer, Lock, #8.....	2
8	1223-651	Block, Terminal.....	1
9	1211-23	Screw, Drive.....	2
10	1223-653	Terminal.....	2
11	1223-652	Terminal.....	2
12	1213-44	Cap, Oil.....	1
13	1222-279	Ball.....	1
14	706 8052	Spool (Long).....	1
15	1221-94	Boot.....	1



REF.		Prior Ser. #93155 #90175	Begin Ser. #93155 #90175	DESCRIPTION Carrier Crane Rough Terrain	QTY.
3		707 6240		Pedal	1
4	┌	707F6530		Bracket w/Bushing	1
	└	1214-59		Bushing	2
5	┌	1200-31		Capscrew, 5/16C x 1	2
	├	1210-17		Washer, Lock	2
	└	1205-25		Nut, 5/16C	2
6		707 6532		Bracket	1
7	┌	40903		Capscrew	1
	└	1205-25		Nut, 5/16C	2
8		6977		Bumper	1
9	┌	1233-1		Screw, Machine, #10 x 1/2	1
	└	1209-1		Washer, 3/16	1
10		1207-1		Pin, Cotter, 1/16 x 3/4	1
11		707F6527	708F2422	Bellcrank	1
12		1208-2		Bushing, Machinery	2
13	┌	707F6523		Bellcrank w/Bushing	1
	└	1214-59		Bushing	2
14		1217-347		Support w/Bushing	1
15	┌	1200-1		Capscrew, 1/4C x 3/4	6
	├	1210-14		Washer, Lock	6
	└	1205-13		Nut, 1/4C	6
16		707 6529		Ear	1
17		1205-66		Nut, 1/2F Self-Lock	1
18		1291-102	1291-137	Control, Vernier	1
19		1291-117		Clamp	2
20	┌	1202-6		Bolt, #10-24 x 3/4	4
	└	1230-6		Keps, #10	4
21		2597		Yoke	1
22	┌	2234		Pin	1
	└	1207-3		Pin, Cotter	1
23		1291-111		Cable	1
24		1222-122		Balljoint	2
25	┌	1205-18		Nut, 1/4 Jam	4
	└	1210-14		Washer, Lock	4
26	┌	6422	58652	Spring	1
	└	8904	8903	Hook, Spring	1



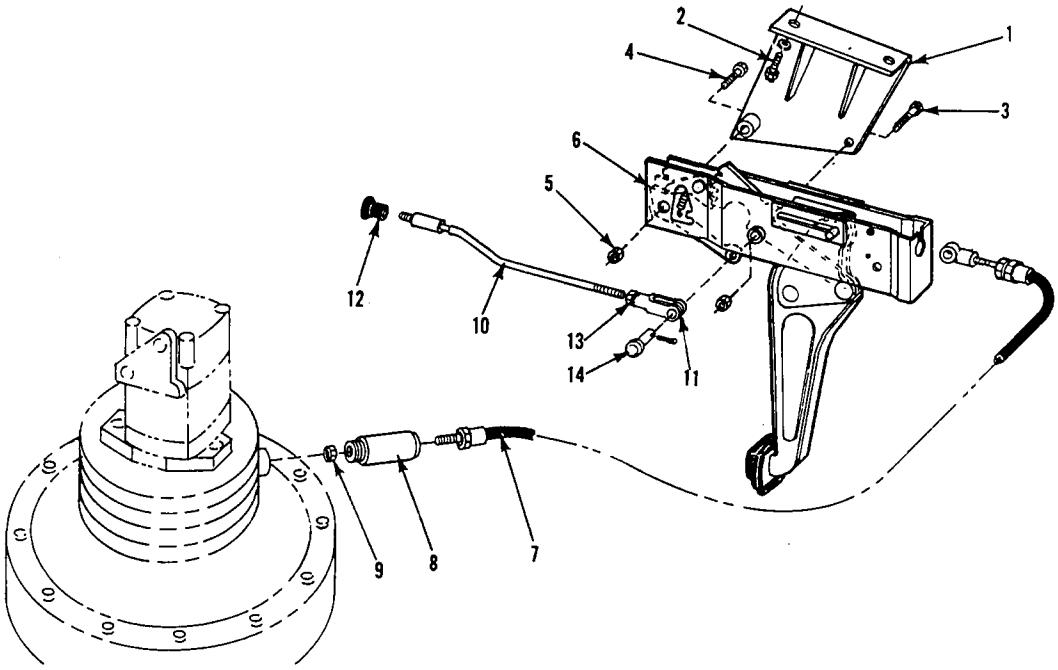
REF.	PART NO.	DESCRIPTION	QTY.
1	2597	Yoke	1
2	2234	Pin	1
	1207-4	Pin, Cotter	1
3	1291-111	Cable	1
4	1222-122	Joint, Ball	1
	1205-18	Nut, 1/4F Jam	1
	1205-22	Nut, 1/4F Self-Locking.	1
5	707F8014	Bellcrank	1
6	707F8555	Bracket	1
7	1205-80	Nut, 5/8C	3
	1210-32	Washer, Lock, 5/8	3
8	707F8012	Bellcrank	1
9	1227-252	Pin, Roll	2
10	1214-48	Bearing	2
11	1220-67	Ring, Snap	4
12	1205-14	Nut, 1/4F	4
	1206-63	Setscrew, 1/4F	4
13	1213-10	Fitting, Grease	2
14	707F9396	Swivel	1
15	1233-1	Screw, Machine	2
	1210-7	Washer	2
16	707 9395	Dead-End	1
17	707F9468	Bellcrank	1
18	707F8010	Bellcrank	1
19	3062	Yoke	2
20	3063	Pin	2
	1207-4	Pin, Cotter	2
21	1291-113	Cable	1
22	1205-28	Nut, 5/16F Jam	2



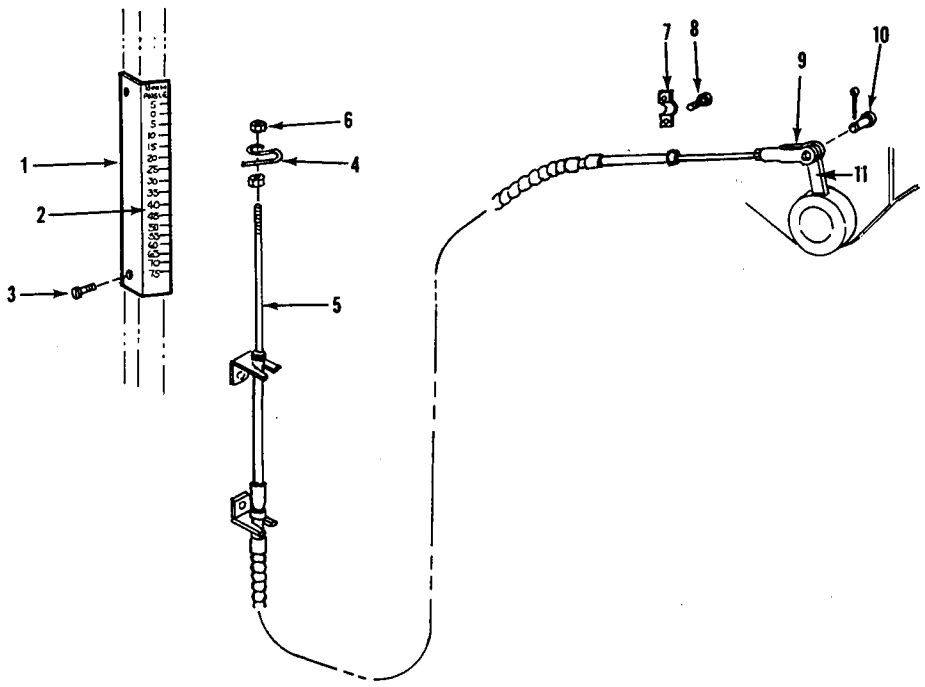
REF.	PART NO.	DESCRIPTION	QTY.
1	707F6165	Arm	1
	1214-96	Bushing, Arm	2
2	46581	Pedal	1
	1205-84	Nut, 5/8C	1
3	707 6728	Pin	1
	1207-31	Pin, Cotter	2
4	707 6703	Capscrew	1
	1205-25	Nut, 5/16C	1
5	6977	Bumper	1
6	1233-1	Screw, Machine	1
	1209-1	Washer, Plain, 3/16	1
7	3118	Yoke	1
	1210-20	Washer, Lock	1
	1205-36	Nut, 3/8C	1
8	707 6158	Rod	1
9	35559	Yoke, LH	1
	1210-20	Washer, Lock	1
	1205-162	Nut, 3/8 LH	1
10	707F6168	Bracket	1
11	707 6162	Shaft	1
	1207-13	Pin, Cotter	1
12	1200-59	Capscrew, 3/8C x 1	2
	1210-20	Washer, Lock, 3/8	2
	1205-36	Nut, 3/8C	2

REF.	PART NO.	DESCRIPTION	QTY.
13	707F6159	Bellcrank	1
	1214-122	Bushing, for above	2
14	3063	Pin	1
	1207-5	Pin, Cotter	1
15	37218	Lever	1
16	1200-67	Capscrew, 3/8C x 2	2
	1210-20	Washer, Lock, 3/8	2
	1205-36	Nut, 3/8C	2
17	65720	Spacer	2
18	707 6163	Link	2
19	3119	Pin	3
	1207-13	Pin, Cotter	3
20	37141	Spring	1
	8903	Hook, Spring	1
21	32475	Clamp	1
	32476	Spacer	1
22	1200-31	Capscrew, 5/16C x 1	2
	1210-17	Washer, Lock, 5/16	2
	1205-25	Nut, 5/16C	2
23	1291-43	Cable	1
24	F42762	Anchor, Cable	1
	1205-40	Nut, 3/8F	1

Begin Serial #
93155 - Carrier Crane
90175 - Rough Terrain

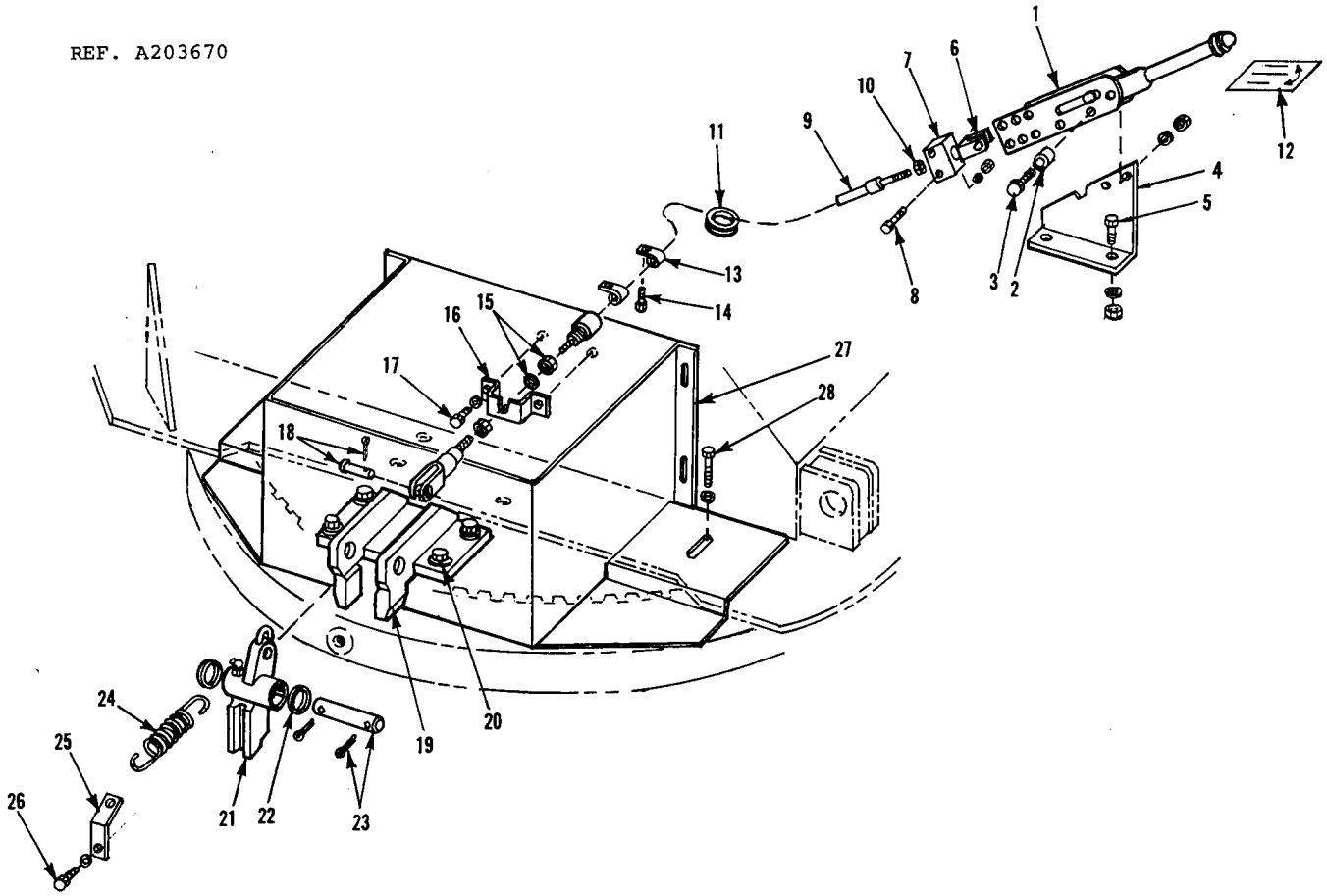


REF.	PART NO.	DESCRIPTION	QTY.
1	708F2465	Bracket.....	1
2	1200-57	Capscrew, 3/8C x 3/4...	2
	1210-20	Washer, Lock.....	2
3	1200-31	Capscrew, 5/16C x 1....	1
4	1200-39	Capscrew, 5/16C x 2....	1
5	1205-34	Nut, 5/16C Elastic.....	2
6	706 8774	Lever.....	1
7	1291-159	Cable.....	1
8	F42762	Anchor, Cable.....	1
9	1205-40	Nut, 3/8F.....	1
10	706 8581	Shaft.....	1
11	2597	Yoke.....	1
12	1291-139	Knob.....	1
13	1205-14	Nut, 1/4F.....	1
14	2234	Pin.....	1
	1207-3	Pin, Cotter.....	1



REF.	PART NO.	DESCRIPTION	QTY.	
	707A8745	Angle Indicator Ass'y.. (Includes Items 1 thru 10)	1	
1	707 6564	Plate.....	1	
2	12260-832	Decal.....	1	
3	1202-5	Bolt, Stove.....	2	
4	707 6565	Wire.....	1	
5	1291-115	Cable.....	1	
6	1205-6	Nut.....	1	
7	1240-107	Clamp.....	1	
8	1202-5	Bolt, Stove.....	2	
	1205-6	Nut.....	2	
9	2930	Yoke.....	1	
10	2931	Pin.....	1	
	1207-1	Pin, Cotter.....	1	
11	707 8425	Ear (Welded).....	1	Ref. 31248

REF. A203670

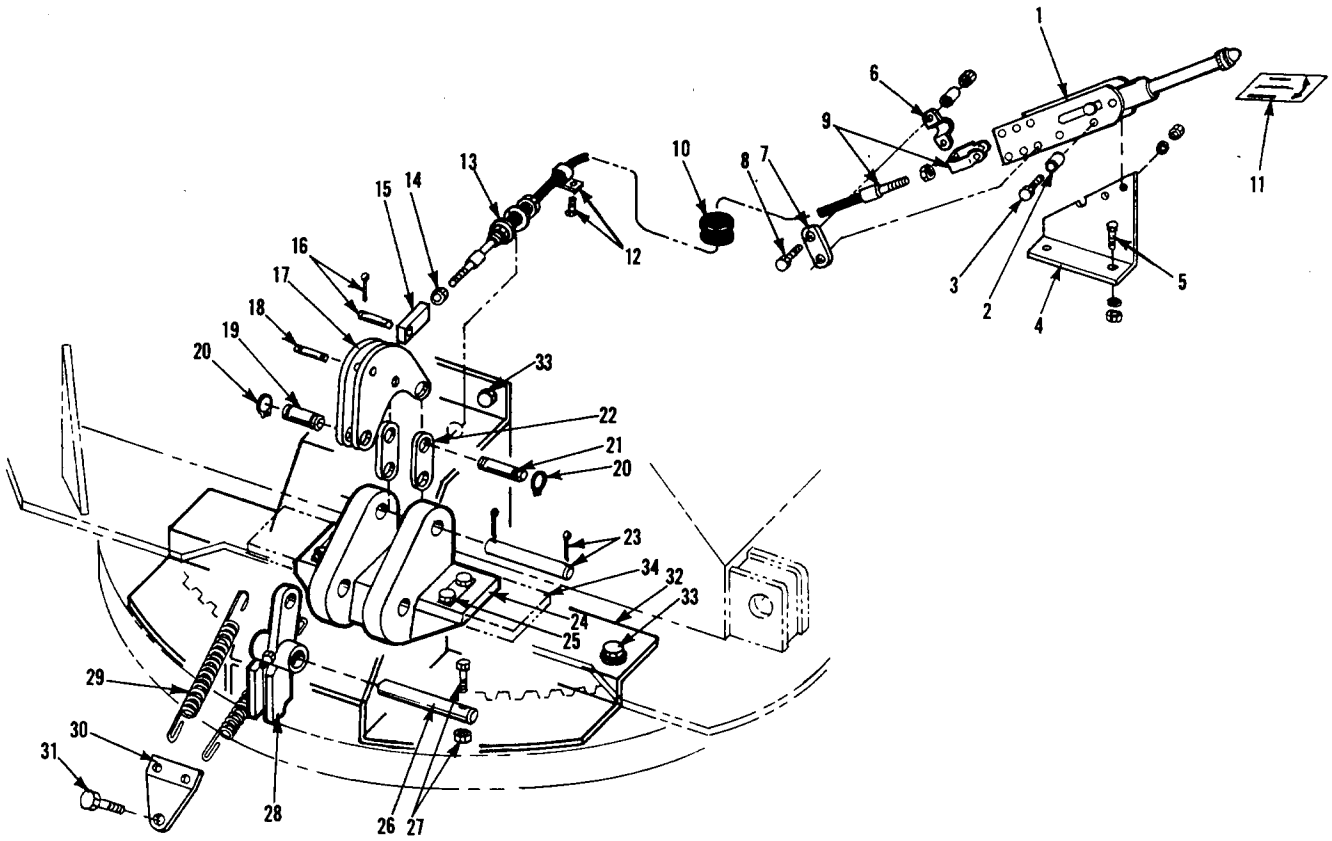


REF.	PART NO.	DESCRIPTION	QTY.
	707A8804	Swing Lock Ass'y..... Opt. (Incl. Items 1 thru 28)	
1	707 8699	Lever.....	1
2	65720	Spacer.....	2
3	1200-67 1210-20 1205-36	Capscrew, 3/8C x 2..... Washer, Lock, 3/8..... Nut, 3/8C.....	2 2 2
4	707 6167	Plate.....	1
5	1200-59 1210-20 1205-36	Capscrew, 3/8C x 1..... Washer, Lock, 3/8..... Nut, 3/8C.....	2 2 2
6	707 6734	Yoke.....	1
7	707 6735	Block.....	1
8	1200-35 1210-17 1205-25	Capscrew, 5/16C x 1-1/2. Washer, Lock, 5/16..... Nut, 5/16C.....	2 2 2
9	1291-118	Cable.....	1
10	1205-97	Nut, 3/4F Jam.....	1
11	12283-5	Grommet.....	1
12	12260-762	Decal.....	1
13	1240-51	Clamp.....	2
14	1211-12	Screw, Self-Tapping....	1

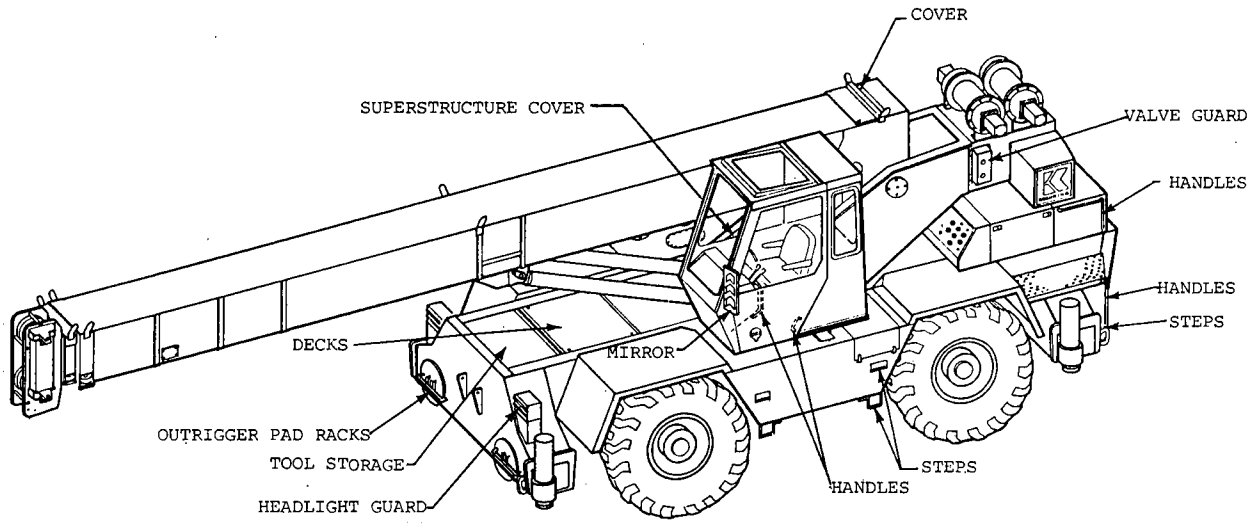
REF.	PART NO.	DESCRIPTION	QTY.
15	1205-97 1210-38	Nut, 3/4F Jam..... Washer, Lock, 3/4.....	2 2
16	707 8786	Bracket.....	1
17	1200-35 1210-17	Capscrew, 5/16C x 1-1/2. Washer, Lock, 5/16.....	2 2
18	2463 1207-11	Pin(Replaces 707 6736).... Pin, Cotter.....	1 1
19	707F6155	Bracket.....	1
20	1203-69 1210-32 1209-8	Capscrew, 5/8C x 1-3/4 sock. Washer, Lock, 5/8..... Washer, Plain, 5/8.....	4 4 4
21	707F6153 1213-6	Arm..... Fitting, Grease.....	1 1
22	1208-18	Bushing, Machinery.....	2
23	707 6145 1207-14	Shaft..... Pin, Cotter.....	1 2
24	40902	Spring.....	1
25	707 8785	Plate.....	1
26	1200-58 1210-20	Capscrew, 3/8F x 3/4... Washer, Lock, 3/8.....	1 1
27	707F8799	Cover.....	1
28	1200-29 1210-17	Capscrew, 5/16C x 3/4.. Washer, Lock, 5/16.....	8 8

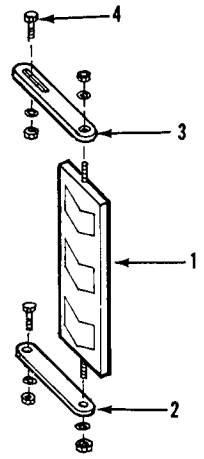
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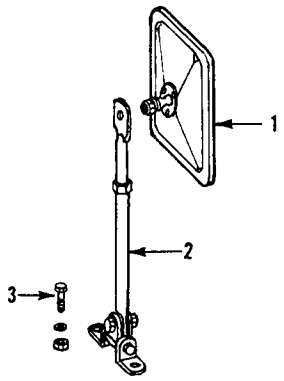
Begin Serial No.
90013 - Rough Terrain
93008 - Carrier Crane



REF.	PART NO.	DESCRIPTION	QTY.
	708A0184	Swing Lock Ass'y..... (Includes Items 1 thru 33)	Opt.
1	707 8699	Lever.....	1
2	65720	Spacer.....	2
3	1200-67	Capscrew, 3/8C x 2.....	2
	1205-36	Nut, 3/8C.....	2
4	707 6167	Plate.....	1
5	1200-59	Capscrew, 3/8C x 1.....	2
	1205-36	Nut, 3/8C.....	2
6	32475	Clamp.....	1
7	32476	Spacer.....	1
8	1200-31	Capscrew, 5/16C x 1....	2
	1205-34	Nut, 5/16C Elastic.....	2
9	1291-43	Cable w/Yoke.....	1
10	12283-5	Grommet.....	1
11	12260-762	Decal.....	1
12	1240-51	Clamp.....	2
	1211-12	Screw, Self-Tapping....	2
13	1209-7	Washer, Plain.....	2
14	1205-40	Nut, 3/8F Jam.....	1
15	708 0185	Rod End.....	1
16	708 0190	Pin.....	1
	1207-11	Pin, Cotter.....	2
17	708 0177	Arm.....	2
18	708 0188	Pin, Spring.....	1
19	708 0181	Pin.....	1
20	1220-19	Ring, Snap.....	4
21	708 0180	Pin.....	1
22	708 0178	Link.....	2
23	708 0183	Pin.....	1
	1207-13	Pin, Cotter.....	2
24	708F0170	Bracket.....	1
25	1200-146	Capscrew, 5/8C x 1-3/4.	4
	708 0265	Plate, Lock.....	2
26	708 0182	Pin.....	1
27	1200-9	Capscrew, 1/4C x 1-3/4.	1
	1205-21	Nut, 1/4C.....	1
28	708F0174	Arm.....	1
29	40902	Spring.....	2
30	708 0187	Bracket.....	1
31	1200-58	Capscrew, 3/8F x 3/4...	1
32	708F0166	Cover.....	1
33	1200-57	Capscrew, 3/4C x 3/4...	4
	1209-4	Plainwasher, 3/4.....	2
34	708 0191	Plate (Welded).....	2

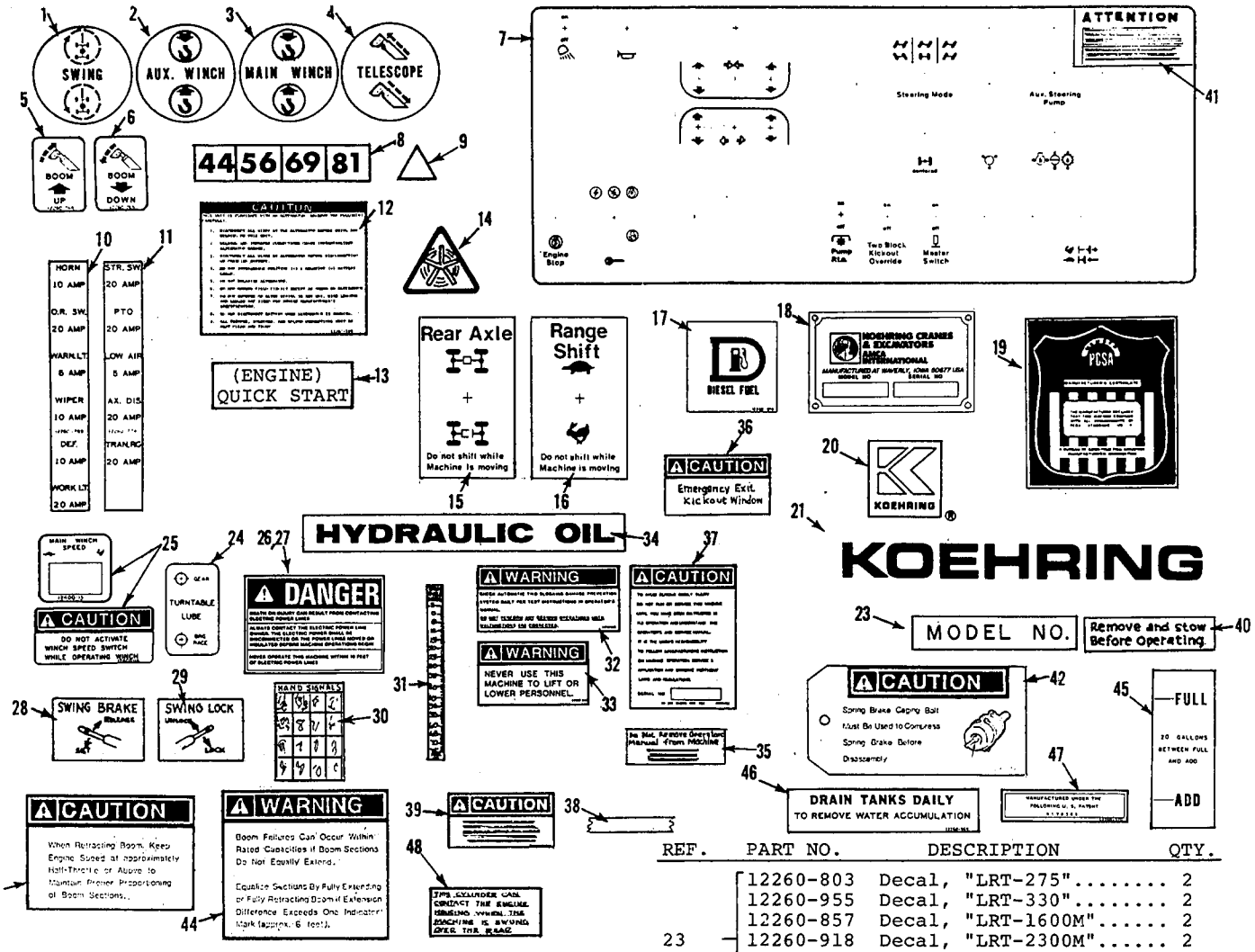






REF.	PART NO.	DESCRIPTION	QTY.
1	32082	Mirror w/nuts.....	1
2	41519	Arm.....	1
3	41520	Arm.....	1
4	1200-31	Capscrew, 5/16C x 1...	2
	1210-17	Washer, Lock, 5/16....	2
	1205-25	Nut, 5/16C.....	2

REF.	PART NO.	DESCRIPTION	QTY.
1	707 9476	Mirror, RH.....	1
2	707 9477	Arm.....	1
3	1200-1	Capscrew, 1/4C x 3/4...	6
	1210-14	Washer, Lock, 1/4.....	6
	1205-13	Nut, 1/4C.....	6

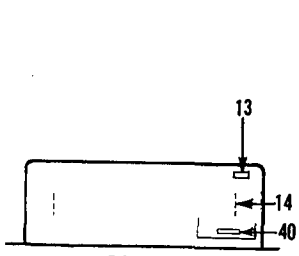


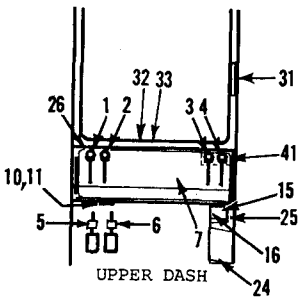
REF.	PART NO.	DESCRIPTION	QTY.
1	12400-31	Decal, Swing, Horn	1
2	12260-763	Decal, Aux. Winch	1
3	12260-767	Decal, Main Winch	1
4	12260-768	Decal, Telescope	1
5	12260-764	Decal, Boom Up	1
6	12260-765	Decal, Boom Down	1
7	12260-964	Decal, Dash (Repl.12260-772)	1
8	12260-834	Decal, Boom	1
9	12260-835	Decal, Boom Marker	4
10	12260-769	Decal, Fuse	1
11	12260-774	Decal, Fuse	1
12	12260-589	Decal, Alternator	1
13	12260-317	Decal, Engine Quick Start	1
14	12260-701	Decal, Fan Caution	2
15	12260-793	Decal, Axle Disconnect	1
16	12260-794	Decal, Range Shift	1
17	12260-670	Decal, Diesel Fuel	1
18	12260-809	Decal, Serial No	1
19	12260-96	Decal, PCSA St'd. #4	1
20	12260-782	Decal, "K" (Counterweight)	AR
21	12400-33	Decal, KOEHRING (Bumper,Ctwt)	2
	12400-40	Decal, KOEHRING (Engine Hsg)	2
	12400-32	Decal, KOEHRING (Boom)	2
	12260-788	Decal, LORAIN (Bumper,Ctwt)	AR
	12260-804	Decal, LORAIN (Engine Hsg)	AR
	12260-789	Decal, LORAIN (Boom)	2
	12260-783	Decal, BANTAM (Bumper,Ctwt)	AR
	12260-798	Decal, BANTAM (Engine Hsg)	AR
	12260-784	Decal, BANTAM (Boom)	AR
*22	12260-817	Decal, Lubrication Chart	1

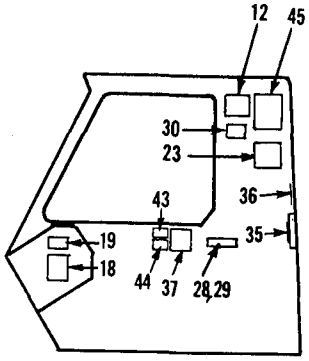
REF.	PART NO.	DESCRIPTION	QTY.
23	12260-803	Decal, "LRT-275"	2
	12260-955	Decal, "LRT-330"	2
	12260-857	Decal, "LRT-1600M"	2
	12260-918	Decal, "LRT-2300M"	2
	12260-801	Decal, "S-888"	2
	12260-962	Decal, "S-888B"	2
	12400-38	Decal, "S"	2
24	12260-258	Decal, Turntable Lube	1
25	12400-13	Decal, Two-Speed Switch	1
	12400-14	Decal, Winch Caution	1
26	815B8390	Decal, "DANGER" (Electrical)	1
	815A8391	Decal, "DANGER" (Small)	1
27	12260-625	Decal, "DANGER" (Tailswing)	2
28	12260-761	Decal, Swing Brake	1
29	12260-762	Decal, Swing Lock	1
30	12260-524	Decal, Hand Signal	1
31	12260-832	Decal, Boom Angle	1
32	12260-813	Decal, Two-Block	1
33	12400-62	Decal, Personnel	1
34	12260-75	Decal, Hydraulic Oil	1
35	12260-843	Decal, Operator's Manual	1
36	12260-844	Decal, Emergency Exit	1
37	12260-814	Decal, Instrument Caution	1
38	12191-50	Tape, White (2" x 50')	2
39	12260-884	Decal, Jib Tether Cable	1
40	12260-845	Decal, Instrument Cover	1
41	12260-860	Decal, Auxiliary Steering	1
42	12260-855	Tag, Spring Brake Bolts	1
43	12260-851	Decal, Boom Proportioning	1
44	12260-852	Decal, Boom Instruction	1
45	12260-968	Decal, Reservoir	1
46	12260-969	Decal, Air Tanks	1
47	12260-970	Decal, Patent	1
48	12400-17	Decal, Boom Cyl. Caution	1
*49	Specify	Decal, Capacity Chart	2

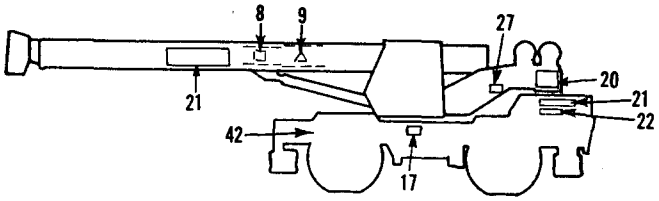
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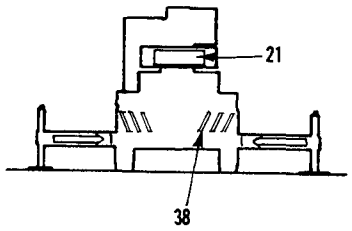
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

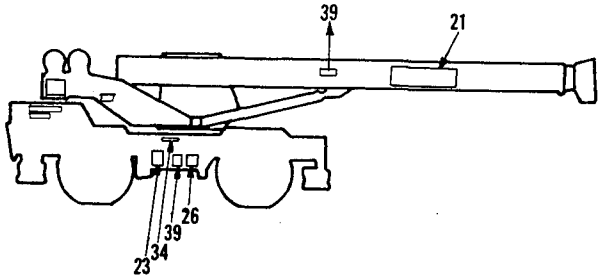


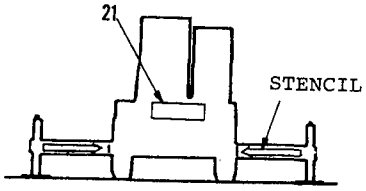






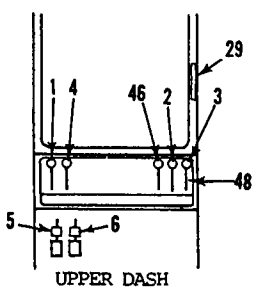




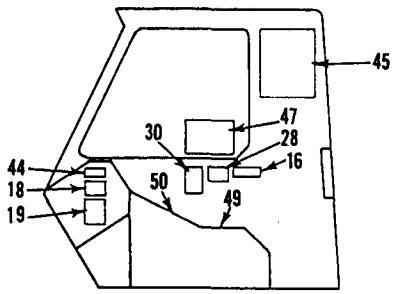


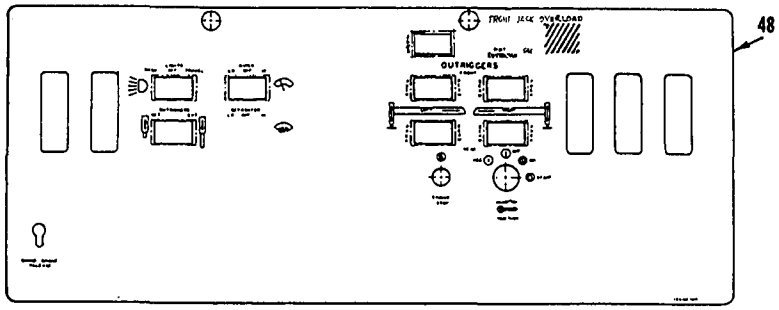
REFER TO DECALS SHOWN ON 30.1

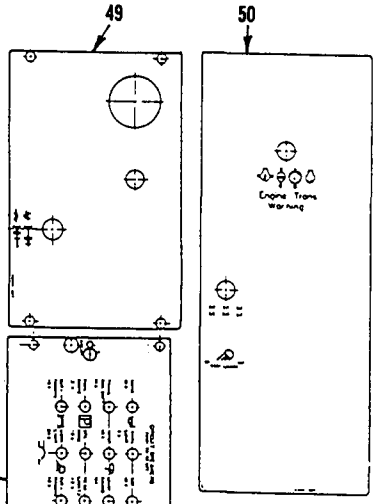
Begin Ser. #90175



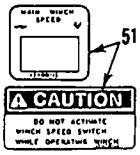
UPPER DASH





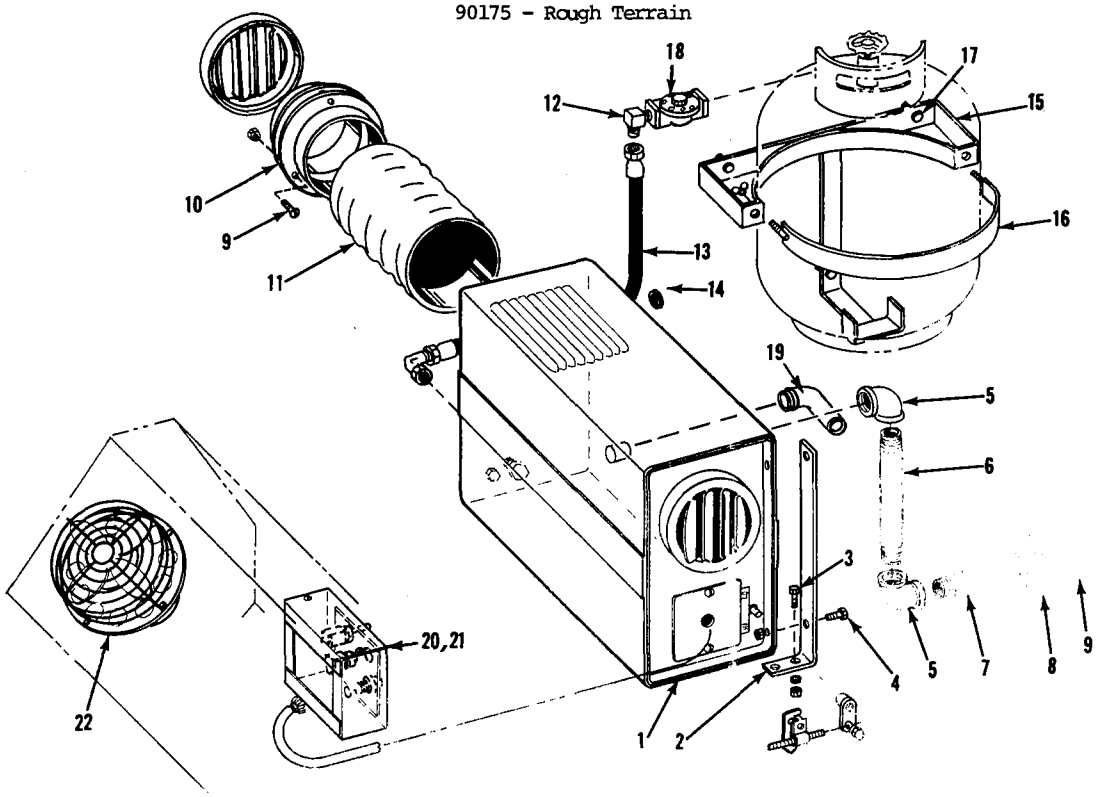






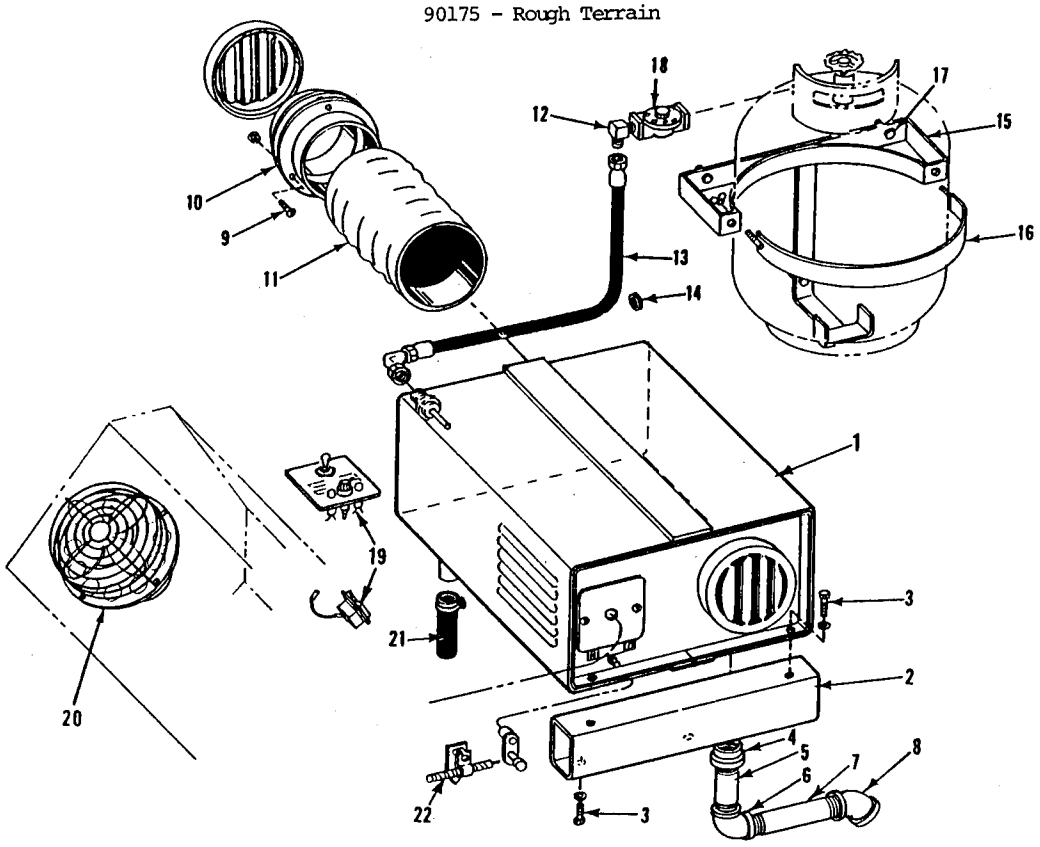
REF.	PART NO.	DESCRIPTION	QTY.
46	12260-877	Decal, Boom Hoist.....	1
48	12260-983	Decal, Dash.....	1
49	12260-987	Decal, Console Throttle..	1
50	12260-984	Decal, Console Gauges ...	1
51	12400-13	Decal, Two-Speed Winch ...	1
	12400-14	Decal, Winch Caution.....	1
52	12260-979	Decal, Console Circuit Bkr.	1

Prior Serial #
93155 - Carrier Crane
90175 - Rough Terrain

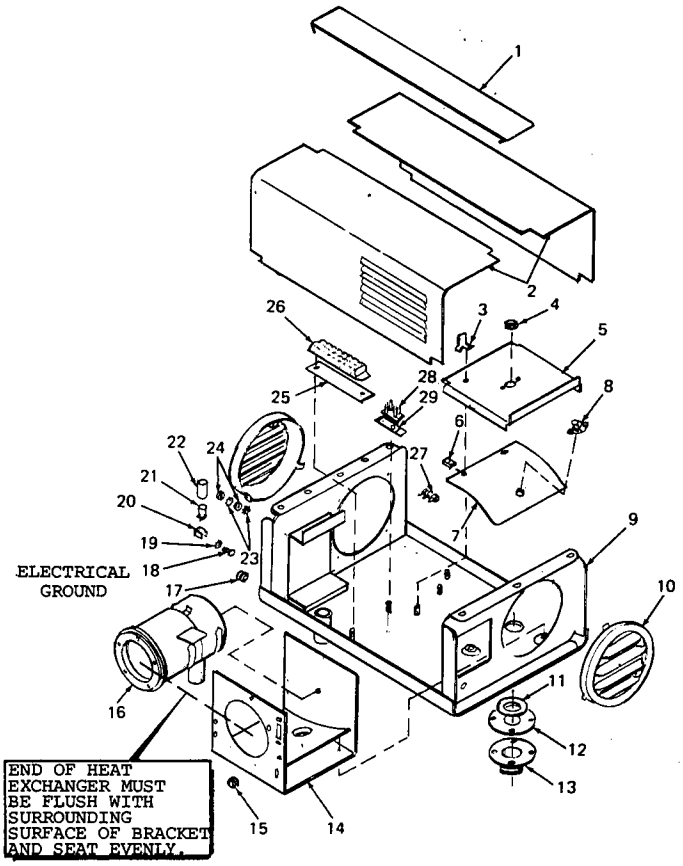


REF.	PART NO.	DESCRIPTION	QTY.
	707A6547	Heater & Defroster Ass'y ... (Includes Items 1 Thru 21)	1
1	707 6486	Heater(See Page 31.2).....	1
2	707 6545	Bracket.....	1
3	1200-57	Capscrew, 3/8C x 3/4...	4
	1210-20	Washer, Lock, 3/8.....	4
	1205-36	Nut, 3/8C.....	4
4	1200-1	Capscrew, 1/4C x 3/4...	4
	1210-14	Washer, Lock, 1/4.....	4
	1205-13	Nut, 1/4C.....	4
5	1219-227	Elbow.....	2
6	12019-379	Nipple.....	1
7	707 6546	Pipe.....	1
8	707 6556	Flange.....	1
9	1233-53	Screw, Machine, #10 x 1/2.	4
	1230-6	Keps, #10.....	4
10	707F6666	Flange w/screen.....	1
	707 6718	Flange.....	1
11	12385-9	Hose.....	1
	1240-48	Clamp.....	1
12	12019-66	Adapter.....	1
13	707A6591	Hose Ass'y.....	1
14	1223-44	Grommet.....	1
15	707F6587	Bracket.....	1
16	707F6585	Strap.....	1
	1231-2	Nut, Wing.....	2
17	1200-59	Capscrew, 3/8C x 1.....	3
	1210-20	Washer, Lock, 3/8.....	3
	1205-36	Nut, 3/8C.....	3
18	202567	Regulator.....	1
19	12211-6	Hose.....	1
	1240-26	Clamp.....	1
20		Control, Remote.....	1
21	1223-600	Switch.....	1
	707 6717	Wire Unit.....	1
22	1223-626	Defroster.....	1

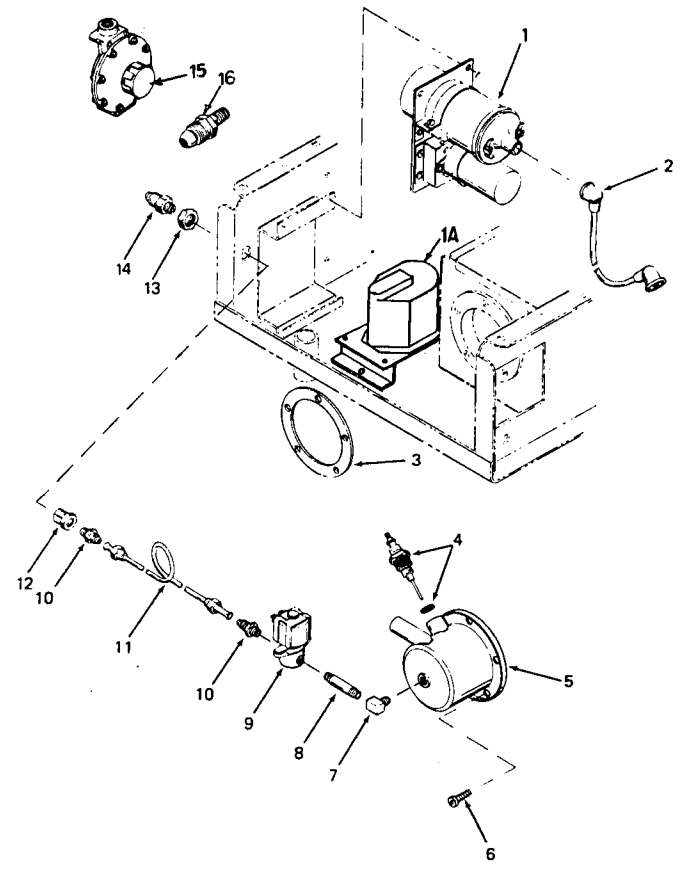
Begin Serial #
93155 - Carrier Crane
90175 - Rough Terrain



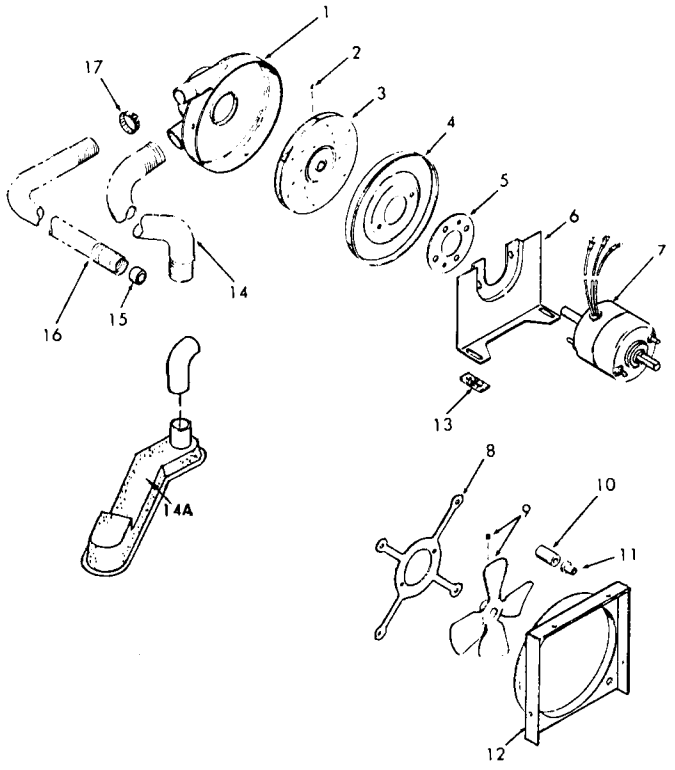
REF.	PART NO.	DESCRIPTION	QTY.
	708A2257	Heater & Defroster Ass'y ... (Includes Items 1 thru 22)	1
1	707 6486	Heater (See Page 31.2)	1
2	706 8693	Tube.....	2
3	1200-1	Capscrew, 1/4C x 3/4....	8
	1210-14	Washer, Lock.....	8
4	705 2784	Coupling.....	1
5	12019-605	Pipe.....	1
6	1219-227	Elbow, 90°.....	1
7	1219-272	Pipe.....	1
8	12019-340	Elbow, 45°.....	1
9	1233-53	Screw, Machine, #10 x 1/2.	4
	1230-6	Keps, #10.....	4
10	707F6666	Flange w/Screen.....	1
	707 6718	Flange.....	1
11	12157-12	Hose.....	1
	1240-182	Clamp.....	2
12	12019-66	Adapter.....	1
13	706A8694	Hose Ass'y.....	1
14	1223-44	Grommet.....	1
15	707F6587	Bracket.....	1
16	707F6585	Strap.....	1
	1231-2	Nut, Wing.....	2
17	1200-59	Capscrew, 3/8C x 1.....	3
	1210-20	Washer, Lock.....	3
18	202567	Regulator.....	1
19		Control, Remote (Page 31.3).	1
	1223-694	Switch.....	1
	707 6717	Wire Unit.....	1
20	1223-626	Defroster.....	1
21	12211-4	Hose, Air Inlet.....	1
	1240-26	Clamp.....	1
22	1291-126	Cable (See Page 31.3)	1



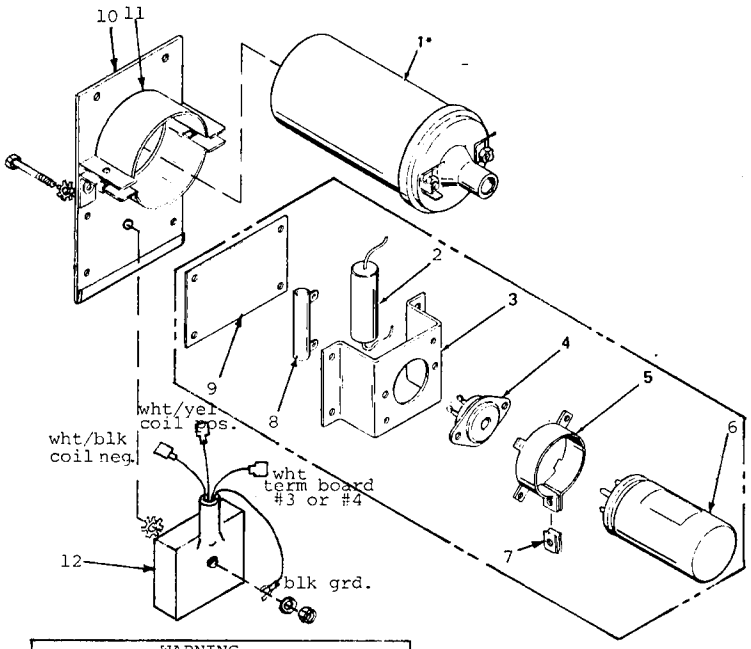
REF.	PART NO.	DESCRIPTION	QTY.
	202568	Kit, Tilt Switch..... (Incl. Items 20,21,22)	1
	202569	Kit, Exhaust Seal..... (Incl. Items 11,12,13)	1
	202570	Kit, Marker Strip..... (Incl. Items 25, 26)	1
	202571	Heat Exchanger Ass'y... (Incl. Items 4,5,6,7,8, 14,15,16)	1
1		Bar, Cross.....	1
2		Cover.....	1
3	202572	Clamp.....	1
4		Grommet.....	1
5		Cover, Top.....	1
6		Nut, Speed.....	2
7		Baffle, Upper.....	1
8	202573	Thermostat (Overheat Sw.).	1
9		Case Ass'y.....	1
10	202574	Deflector, Air.....	1
11		Washer.....	1
12		Gasket, Exhaust.....	1
13		Connector, Exhaust.....	1
14		Bracket.....	1
15		Grommet.....	1
16	202575	Exhanger, Heat.....	1
17		Grommet.....	1
18		Screw, Ground, #10x1/2.	1
19		Washer, Lock, #10.....	1
20		Clip.....	1
21	204897	Switch, Mercury Tilt.....	1
22		Insulator.....	1
23		Washer, Lock, #10.....	2
24		Nut, #10.....	2
25		Strip, Marker.....	1
26		Block, Terminal.....	1
27		Not Applicable	
28	202576	Board, Terminal.....	1
29	202577	Insulator.....	1



REF.	PART NO.	DESCRIPTION	QTY.
1	Page 31.4	Ignition Pack Ass'y.... (Prior Solid State)	1
1A	Page 31.5	Ignition Pack Ass'y.... (Solid State)	1
2	202579	Wire, Igniter.....	1
3	28256	Gasket.....	1
4	28255	Igniter.....	1
5	202580	Head, Burner.....	1
6	202581	Screw.....	5
7	202582	Restrictor, Elbow.....	1
8		Nipple.....	1
9	202853	Valve, 12V Solenoid.... (Prior Solid State)	1
9	204894	Valve, 12V Solenoid.... (Solid State)	1
10	202584	Connector.....	2
11	202585	Fuel Line Ass'y.....	1
12	28270	Connector.....	1
13	28269	Nut, Lock.....	1
14	202586	Connector, Male.....	1
15	202567	Regulator(Incl. 16).....	1
16	N.S.S.	Connector, POL..... (Incl. excess flow valve)	1

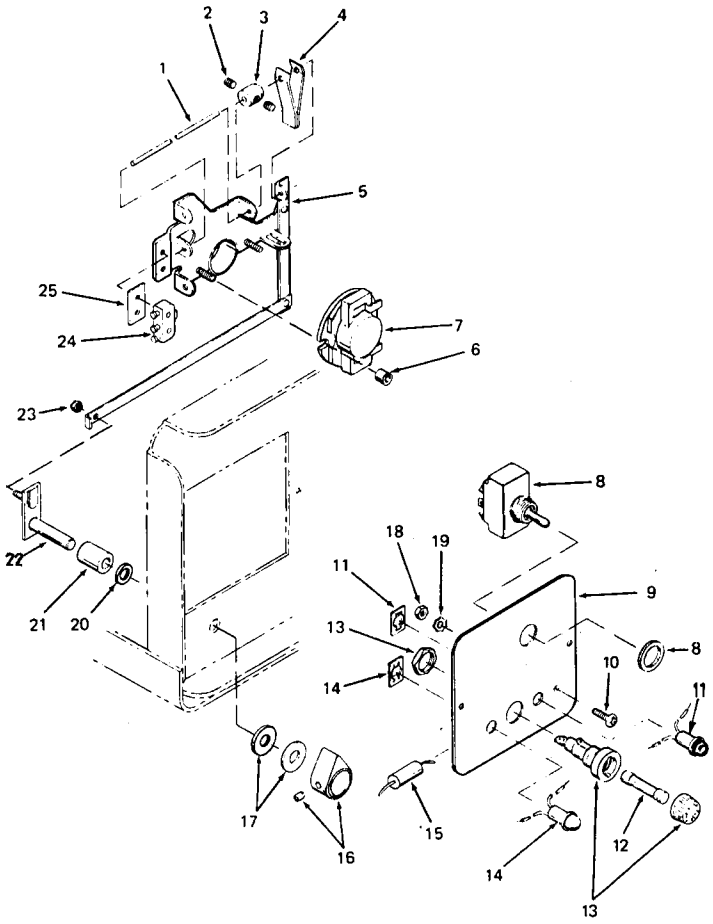


REF.	PART NO.	DESCRIPTION	QTY.
	202597	Blower Assembly..... (Incl. Items 1 thru 13)	1
1	202598	Housing, Blower.....	1
2	28296	Setscrew.....	1
3	202599	Wheel, Blower.....	1
4	202600	Plate, Back.....	1
5	202601	Gasket.....	1
6	202602	Plate, Mounting.....	1
7	202603	Motor, 12 volt(2-wire)...	1
8	202604	Arm, Spider.....	1
9	202605	Propeller.....	1
10	202606	Spacer.....	1
11	202607	Nut, Well.....	1
12	202608	Plate, Mounting.....	1
13	202609	Pad.....	1
14	202610	Hose, Air (Incoming)..... (Prior Solid State)	1
14A		Tunnel, Air (Incoming)... (Begin w/Solid State)	1
15	202611	Restrictor, Air..... (may be welded to burner head, some heaters)	1
16	202612	Hose, Air (outgoing).....	1
17	202613	Clamp, Hose.....	1

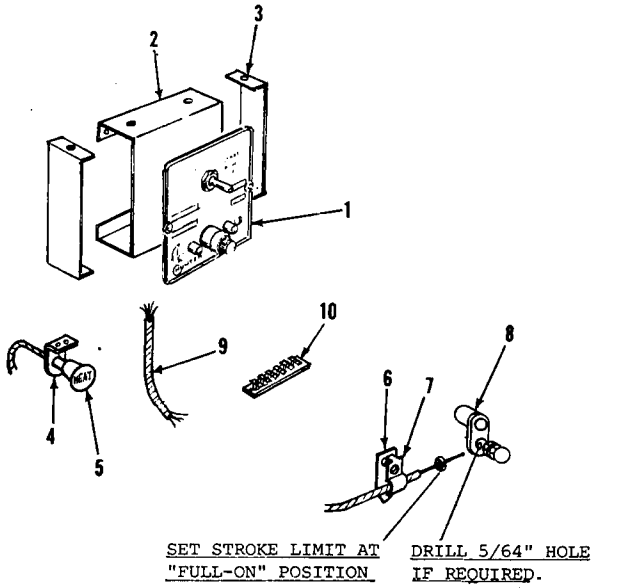


- WARNING -
First remove and discard original white wire hook up from positive side of coil to terminal board #3 before installing new coil driver

REF.	PART NO.	DESCRIPTION	QTY.
	202578	Ignition Pack Assembly. (Includes Items Below)	1
1	202594	Coil, 12 volt.....	1
2	202595	Capacitor, 0.33µF Mylar.	1
3		Bracket, Vibrator.....	1
4	28278	Socket, Vibrator.....	1
5		Clamp.....	1
6	Not Avail.	Vibrator(See Ref 12).....	1
7		Nut, Tinnerman.....	1
8	28276	Resistor, 15 ohm,12 watt.	1
9	202596	Insulator.....	1
10		Plate, Mounting.....	1
11		Clamp.....	1
12	28281	Coil Driver, Solid State. (Replaces Items 2 thru 9)	1



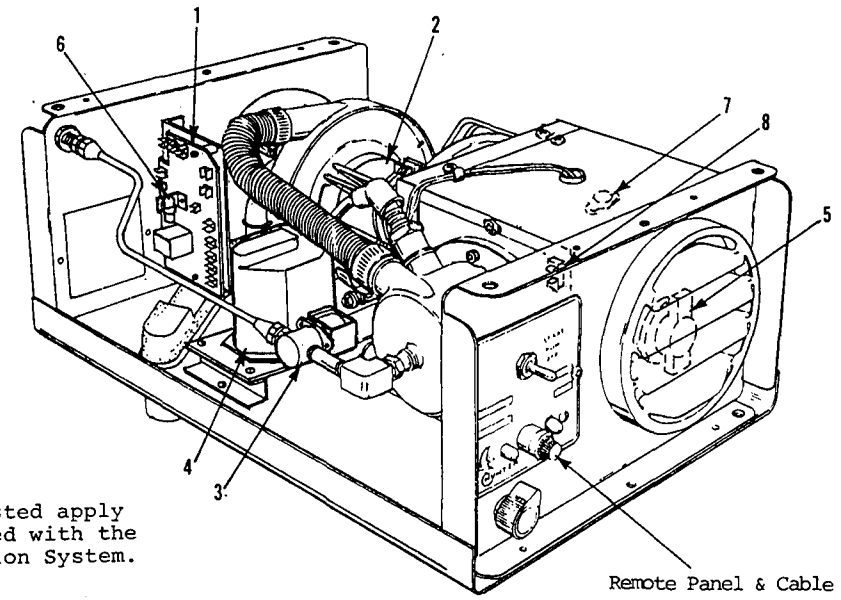
REF.	PART NO.	DESCRIPTION	QTY.
	202587	Kit, Thermo Control.... (Includes Items 1,2,3,4, 5,6,7,24,25)	1
	202588	Kit, Pivot & Knob..... (Includes Items 16,17,20, 21,22,23)	1
	202589	Kit, Microswitch..... (Includes Items 24,25)	1
1		Rod, Actuating.....	1
2		Setscrew.....	2
3		Stop, Actuator.....	1
4	28314	Blade, Bi-Metal.....	1
5		Bracket.....	1
6		Spacer.....	2
7	202590	Switch, Flame.....	1
8	202591	Switch, Toggle, w/jumpers.	1
9	202622	Plate.....	1
10		Screw, Ground #6 x 3/8.	1
11	202592	Light, Pilot (green)...	1
12		Fuse, 20 Amp.....	1
13	28286	Fuseholder.....	1
14	202593	Light, Pilot (amber)...	1
15		Not Applicable	
16		Not Applicable	
17		Not Applicable	
18		Nut.....	1
19		Washer, Lock.....	1
20		Washer, Spring.....	1
21		Spacer.....	1
22		Pivot Arm.....	1
23		Nut, Stop.....	1
24		Microswitch.....	1
25		Insulator.....	1



SET STROKE LIMIT AT "FULL-ON" POSITION

DRILL 5/64" HOLE IF REQUIRED.

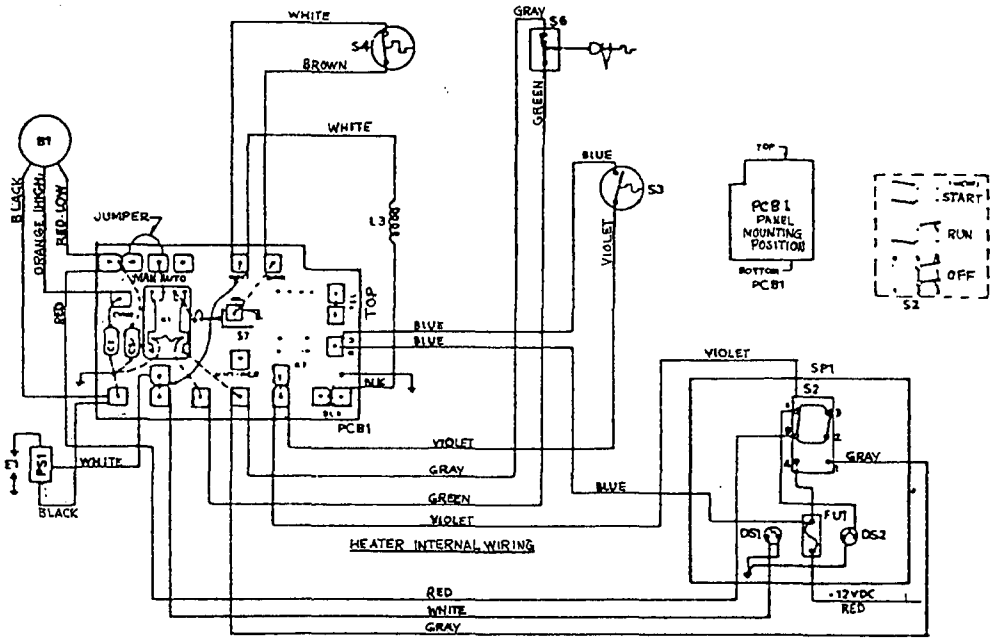
REF.	PART NO.	DESCRIPTION	QTY.
1	202622	Panel.....	1
2	Not	Bracket.....	1
3	Applicable	Plate, End.....	2
4	28302	Bracket, Cable.....	1
5	1291-126	Cable (Replaces 202619)....	1
	28303	Key, Hex.....	1
	28299	Nut, Lock.....	1
	28260	Washer, Lock.....	1
	202618	Nut.....	1
6	202617	Base, Clamp.....	1
7	202616	Clamp.....	1
8	202615	Arm.....	1
9	202620	Harness, Wire.....	1
10	202621	Block, Terminal.....	1

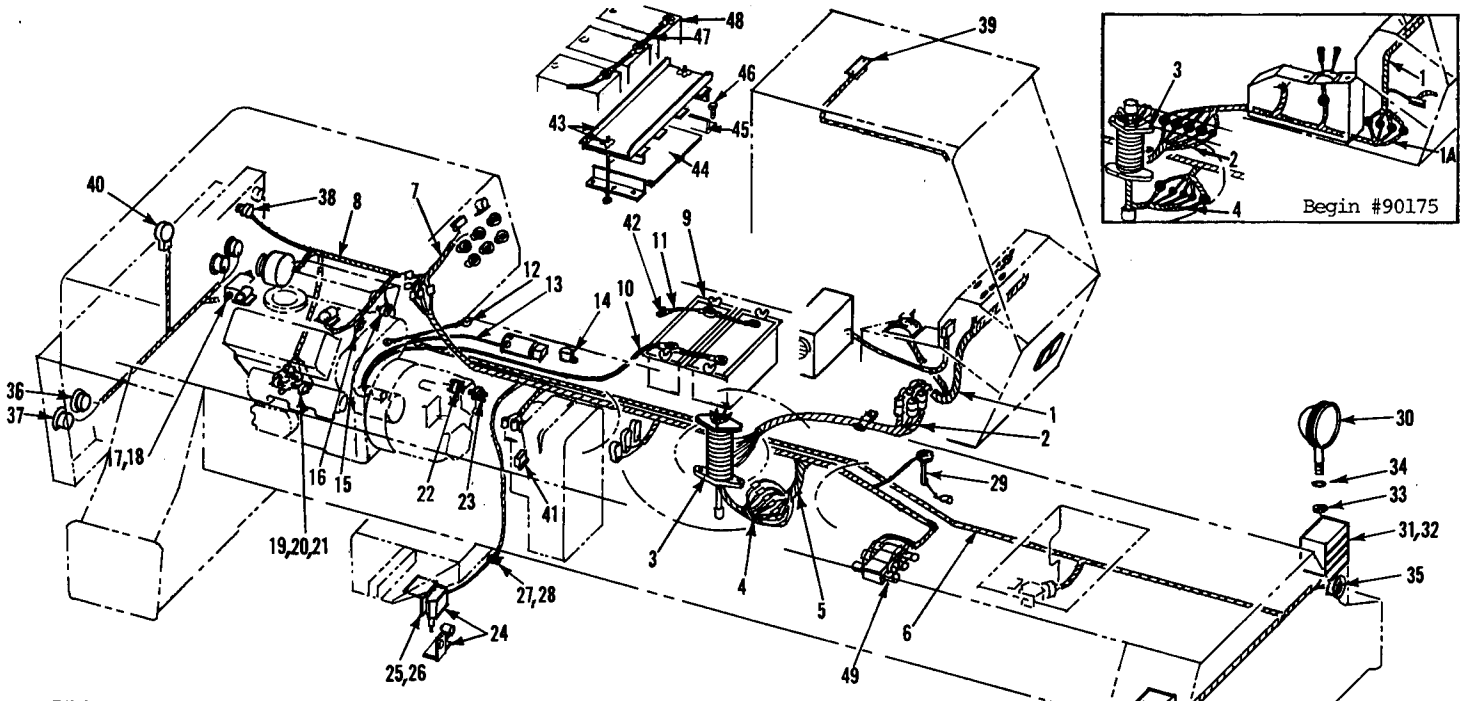


NOTE: The components listed apply to Heaters equipped with the Solid State Ignition System.

REF.	PART NO.	DESCRIPTION	QTY.
1	204892	Circuit Board Ass'y....	1
2	204893	Motor, Blower(3-Wire)....	1
3	204894	Valve, Solenoid.....	1
4	204895	Ignition Pack Ass'y....	1
	204898	Coil, Only.....	1
5	204896	Switch, Flame.....	1
6	204897	Switch, Mercury Tilt...	1
7	202573	Switch, Overheat.....	1
8	28310	Switch, Hi-Lo.....	1

B1 Blower Motor
CP1 Control Panel Ass'y
DS1 Panel Light(Green)
DS2 Panel Light(Amber)
E1 Igniter(Spark Plug)
FU1 Fuse (20Amps)
L3 Fuel Solenoid
PCB1 Printed Circuit Board
PS1 Ignition Pack Ass'y
S2 Start-Run Switch
S3 Flame Switch
S4 Overheat Switch
S6 Hi/Lo Switch
S7 Mercury Tilt Switch

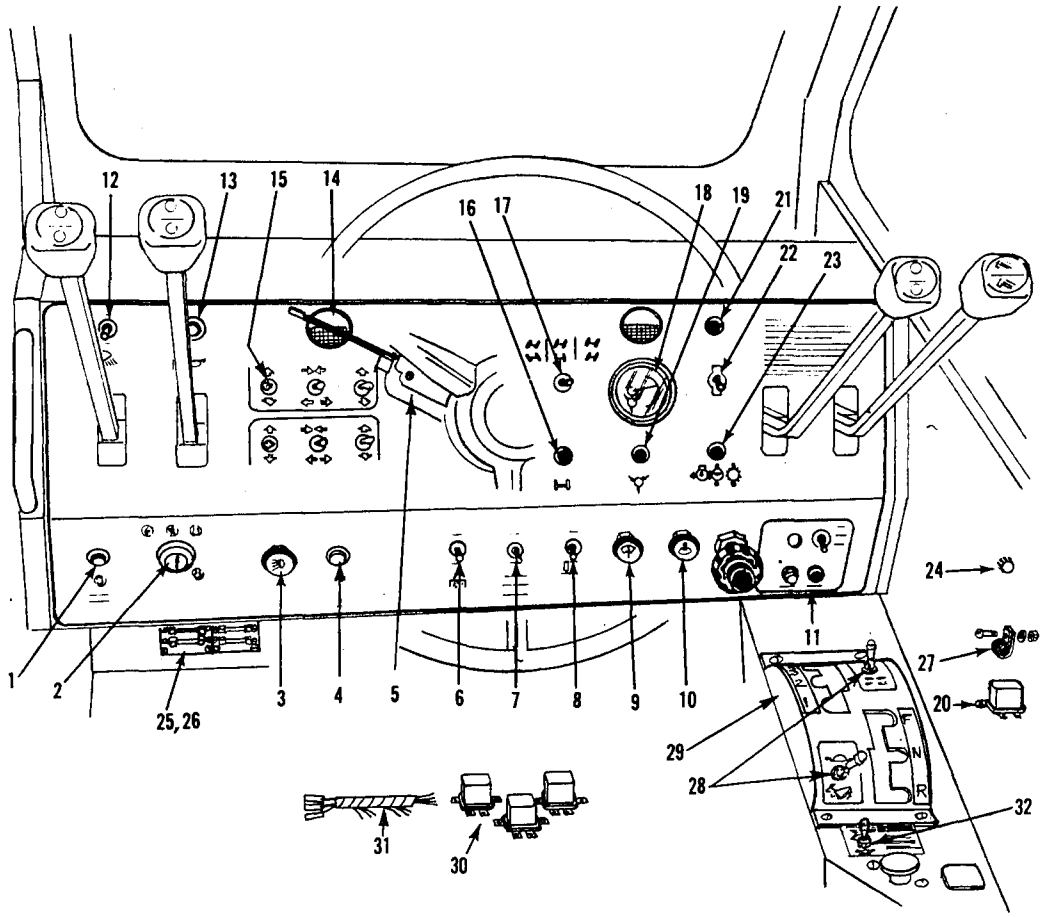




REF.	PART NO. Prior#90175	PART NO. Begin#90175	DESCRIPTION	QTY.
1	707 8234	708 2491	Harness, Dash.....	1
1A		708 2492	Harness, Console.....	1
2	707 8236	See Page 33.6	Harness, Upper Collector.	1
	1240-52		Clamp.....	2
	1211-12		Screw.....	2
3			Ring, Collector (Page 33.6)	1
4	707 8238		Harness, Lower Collector.	1
5	707 9046	708 0585	Harness, Main Lower.....	1
6	707 9047		Harness, Lighting.....	1
7	707 9049	708 0597	Harness, Lower Dash...	1
8	707 9048	707 9048	Harness, DD 6V-53.....	1
	707 9538		Harness, Cat 3208.....	1
9	A18288-1		Bracket, Battery (6V-53)..	1
	F46300		Bolt, Hold Down.....	4
	1231-2		Nut, Wing.....	4
10	1223-624		Cable, Battery (+)....	1
11	1223-625		Cable, Battery (-)....	1
12	1223-509		Cable, Engine (-).....	2
13	1223-623		Cable, Steer Motor (+)....	1 Opt.
	57783		Cable, Steer Motor (-)....	1 Opt.
14	1246-11		Relay, Aux. Steering...	1 Opt.
	707 6719		Wire, Relay Ground.....	1 Opt.
15	1223-576		Switch, Press., NC, 1 terminal	1
16	1223-443		Breaker, Circuit.....	1
17	1223-452		Switch, Engine Temp....	1
18	1245-81		Sender, Engine Temp....	1
19	1223-450		Switch, Press, NC/NO 3 term.	1
20	1223-16		Switch, Press, NO 2 terminal	1
21	1245-38		Sender, Oil (DD 6V-53)....	1
	1245-142		Sender, Oil (Cat 3208)....	1
22	1245-119		Sender, Converter Temp ...	1
23	1223-464		Switch, Converter Temp ...	1
24	1223-477		Switch, Axle Center....	1
	1221-36		Plug, Rubber.....	As
	707F9459		Cam (18.00 x 25, 23.50 x 25)..	Req'd.
	707F8935		Cam (26.50 x 25 tires)	1
25	707 9243		Bracket.....	1
26	1200-95		Capscrew, 3/8C x 1-3/4.	2
	1210-20		Washer, Lock, 3/8.....	2
	1205-36		Nut, 3/8C.....	2
27	1240-91		Clamp.....	1
28	1202-4		Screw, #10 x 1/2.....	1
	1230-6		Keps.....	1
29	1245-42		Sender, Fuel.....	1
	707 9585		Wire Unit.....	1

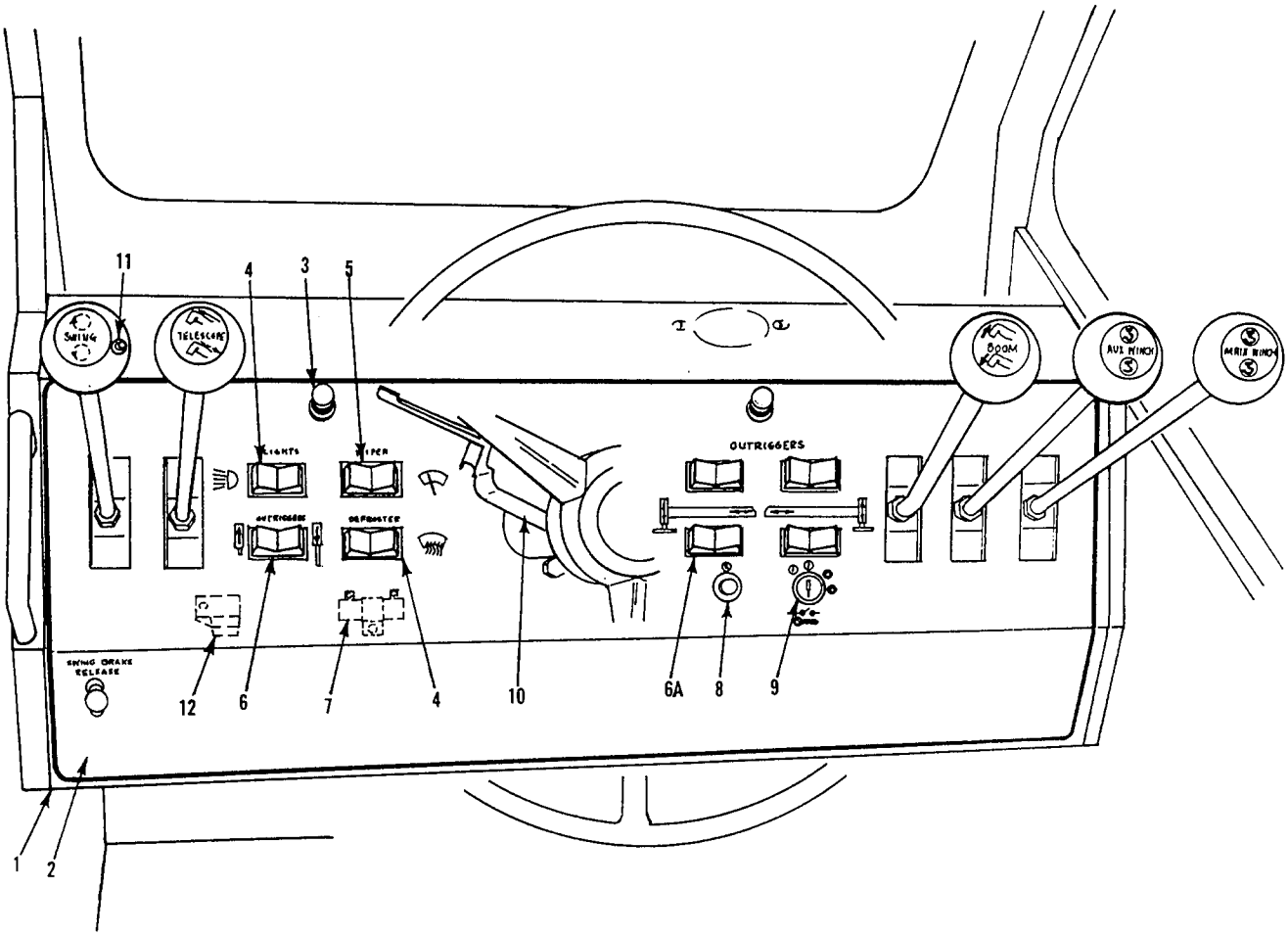
REF.	PART NO.	DESCRIPTION	QTY.
30	1223-447	Headlight.....	2
31	707F9419	Cover.....	2
32	1200-59	Capscrew, 3/8C x 1.....	8
	1210-20	Washer, Lock, 3/8.....	8
	1205-36	Nut, 3/8C.....	8
33	1205-34	Nut, 5/16F Elastic.....	2
34	1223-50	Grommet.....	4
35	1223-454	Lamp, Turnsignal.....	2
	25486	Lens only.....	2
	1223-273	Bulb only.....	2
36	1223-465	Lamp, Turnsignal.....	2
	25485	Lens only.....	2
	1223-273	Bulb only.....	2
37	1223-455	Lamp, Tail.....	2
	25485	Lens only.....	2
	1223-275	Bulb only.....	2
38	1245-134	Detector, Low Coolant..	1
	1223-557	Diode.....	1
39	707A6688	Dome Light Ass'y.....	1
40	1223-716	Alarm, Back-Up.....	1
41	1246-12	Relay, Transmission....	1
	707 9500	Bracket.....	1
42	1205-58	Nut, 1/2C.....	1
	1210-80	Washer, 1/2 Int/Ext....	1
43	707F9539	Bracket, Battery.....	1
	F46300	Bolt, Hold Down.....	2
	1231-2	Nut, Wing.....	2
44	707 9508	Pad, Battery.....	1
45	707 9544	Angle.....	2
46	1200-59	Capscrew, 3/8C x 1.....	6
47	1223-635	Cable, Battery (+).....	1
	1223-634	Cable, Battery (-).....	1
	1223-509	Cable, Engine..(-).....	1
48	1223-510	Battery (Prior Ser.#62053).	2
	1223-727	Battery (Begin Ser.#62053).	3
49	708 0538	Harness, Outrigger Gnd ...	2
50	707 8966	Harness, Steering Gnd....	1
51	708 0539	Wire, Ground.....	1

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

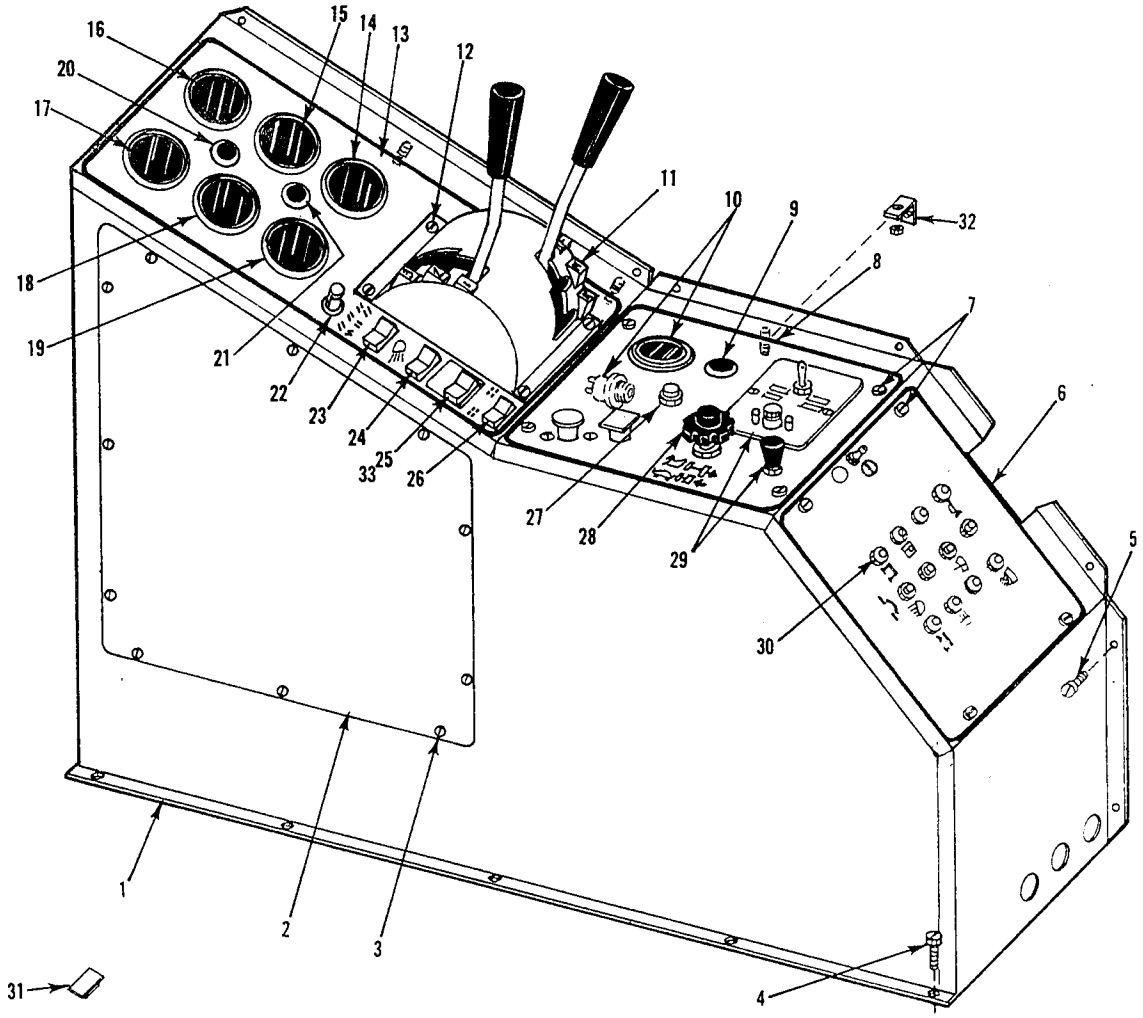


REF.	PART NO.	DESCRIPTION	QTY.
1	1223-338	Switch, Engine Stop.....	1
2	1223-53	Switch, Ignition	1
3	1223-616	Switch, Light.....	1
4	1223-338	Switch, Emergency Stop	1
5	1223-453	Turn Signal Ass'y.....	1
6	1223-2	Switch, Pump .....As Req'd.	
7	1223-531	Switch, Two Block.....	1
8	1223-531	Switch, Outrigger Master...	1
9	1223-615	Switch, Wiper.....	1
10	1223-600	Switch, Defroster.....	1
11		Switch, Heater..... 1 (See Group 31)	
12		Switch, Work Light.....	1
13	1223-632	Switch, Horn (No Relay)...	1
	A202784	Kit, Switch (Omits Relay).. 1 (Replaces 1223-64)	
14	1223-526	Light, Dash.....	2
15	1223-448	Switch, Outrigger.....	6
16	1223-435	Light, Steering (Green)....As Req'd.	
17	1223-449	Switch, Steering.....	1
18	1245-127	Gauge, Air.....	1
19	1223-441	Light, Low Air (Red).....	1
20	1223-380	Buzzer, Low Air.....	1
21	1223-495	Light, Aux. Steering (Amber).	1
22	1223-552	Switch, Aux. Steering...	1
23	1223-441	Light, Instrument Warn (Red).	1

REF.	PART NO.	DESCRIPTION	QTY.	
24	1222-220	Button, Plug (7/16")	4	
	1222-193	Button, Plug (3/4 ")	1	
25	1223-608	Block, Fuse.....	2	
	1223-282	Fuse, 20 Amp.....As Req'd.		
	1223-299	Fuse, 10 Amp.....As Req'd.		
	1223-489	Fuse, 5 Amp.....As Req'd.		
26	1233-35	Screw, Machine, #6.....	8	
	1210-2	Washer, Lock.....	8	
	1205-1	Nut.....	8	
27	1240-52	Clamp, Harness.....	2	
	1202-14	Screw, 1/4C x 1/2.....	2	
	1209-2	Washer, Plain.....	2	
	1205-13	Nut, 1/4C.....	2	
28	1223-673	Switch (Replaces 1223-2)... 2 (Trans. Range, Axle Disc.)		
	708 0261	Wire (Yellow).....	1	Begin Ser. #90003
	708 0262	Wire (Green).....	1	
	708 0263	Wire (Red)	1	
	708 0264	Wire (Red)	1	
29	707 9401	Quadrant, Shift.....	1	
	204538	Switch (F-N-R).....	1	
	204539	Switch (1-2-3).....	1	
	204868	Handle (Steel).....	2	
30	1246-12	Relay, Pump (Norm. Closed)..	1	Prior Ser. #62282
	1246-4	Relay, Pump (Norm. Open)....	2	
31	707 9669	Harness, Relay (Repl 707 9326).	1	
32	1223-2	Switch, Two-Speed Winch....	1	

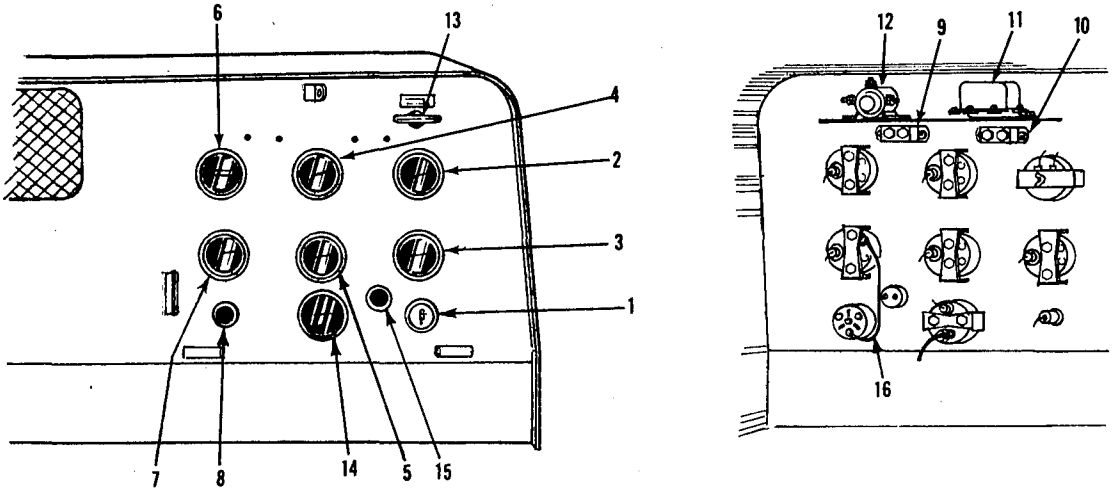


REF.	PART NO.	DESCRIPTION	QTY.	
1	708 0649	Panel, Dash.....	1	
	1233-59	Screw, Machine.....	6	
2	12260-983	Decal, Dash.....	1	
3	1223-743	Light, Dash	1	
4	1223-694	Switch, Light & Defroster.	2	
5	1223-695	Switch, Wiper.....	1	
6	1223-688	Switch, Outrigger.....	1	
6A	1223-744	Switch.....	4	
7	1223-707	Resistor, Defroster....	1	
	1240-189	Clamp, For Above.....	1	
8	1223-338	Switch (N.O.)Eng. Stop, DD .	1	
	1223-644	Switch (N.C.)Eng. Stop, Cat.	1	
9	1223-53	Switch, Ignition.....	1	
	27965	Key, For Above.....	1	
10	1223-453	Turnsignal Ass'y.....	1	Opt.
	1223-276	Flasher Unit only.....	1	Opt.
	1223-65	Terminal.....	3	Opt.
11	1223-680	Switch, Horn.....	1	
	12149-14	Tube, Shrink.....	1	
12	1246-13	Relay, Horn.....	1	
	1246-14	Socket.....	1	

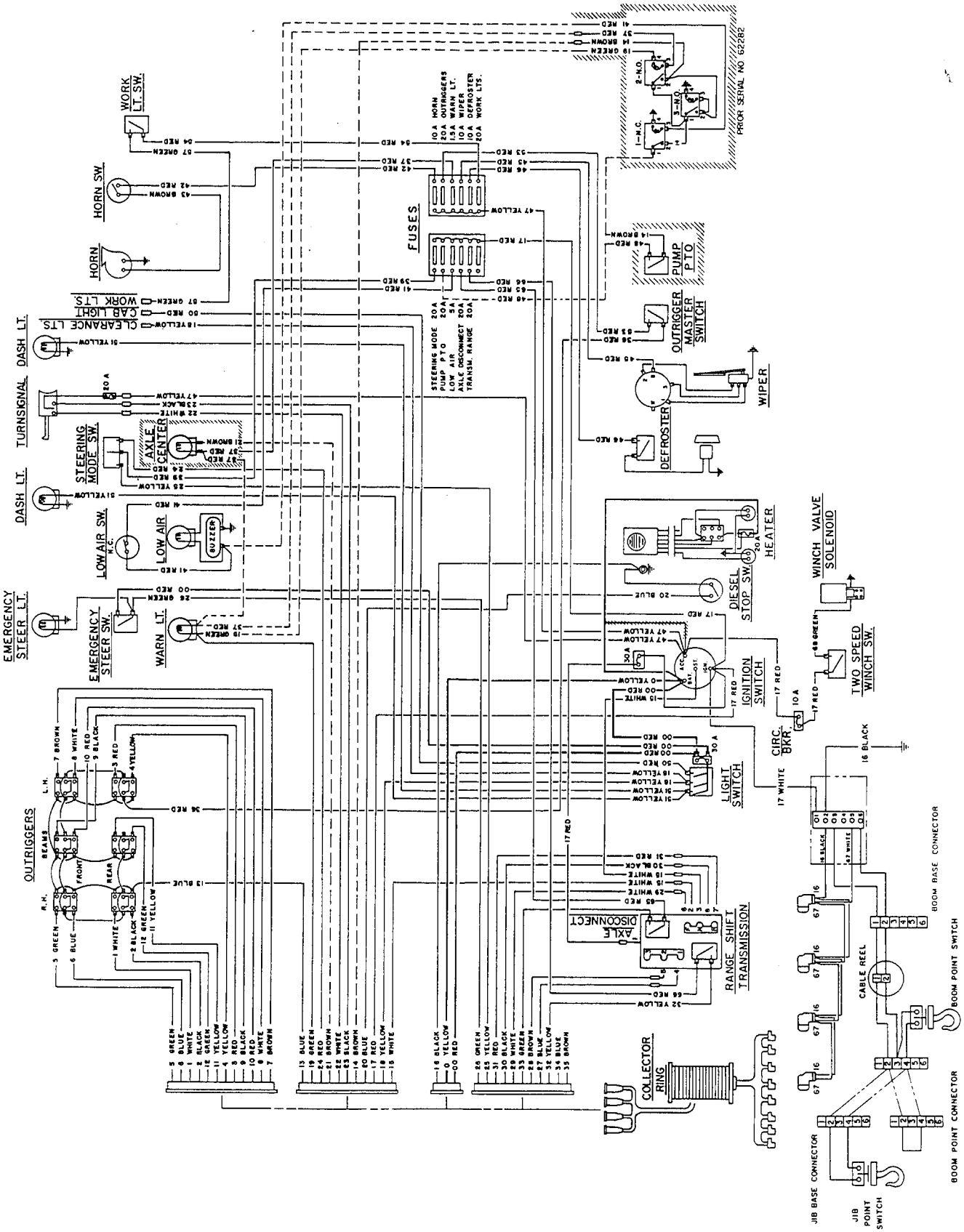


REF.	PART NO.	DESCRIPTION	QTY.
	708A0588	Console Ass'y..... (Incl. 1 thru 33 exc. 11,23, 24,27,28,29)	1
	706 8957	Console Group..... (Incl. Items w/*)	1
1	708 2921	*Console.....	1
2	708 2922	*Cover, Side.....	1
3	1233-62	*Screw, #8F x 1/2.....	11
4	1233-59	Screw, #10C x 1/2.....	5
5	1233-59	Screw, #10C x 1/2.....	7
6	708 2925	*Cover, Circuit Breaker ...	1
	12260-979	Decal.....	1
7	1233-62	*Screw, #8F x 1/2.....	8
8	708 2924	*Cover, Top.....	1
	12260-987	Decal.....	1
9	1223-689	Light, Low Air.....	1
	1223-711	Lens.....	1
10	1245-125	Gauge, Air.....	1
	12019-323	Switch, Air.....	1
11	Page 33.8	Quadrant, Shift.....	1
12	1233-14	Screw, #10F x 3/4.....	4
13	12260-984	Decal, Front.....	1
14	1245-126	Gauge, Fuel.....	1
15	1245-123	Gauge, Oil Pressure....	1
16	1245-153	Gauge, Trans. Oil Pressure.	1

REF.	PART NO.	DESCRIPTION	QTY.
17	1245-118	Gauge, Trans. Temperature.	1
18	1245-120	Gauge, Engine Temperature.	1
19	1245-133	Voltmeter.....	1
20	1223-689	Light, Oil & Water.....	1
	1223-725	Lens, Red.....	1
21	1223-689	Light, Low Water.....	1
	1223-724	Lens, Red.....	1
22	1223-743	Light, Dash.....	1
23	1223-694	Switch, Steering.....	1
24	1223-694	Switch, Work Light.....	1
25	1223-696	Switch, 2-Speed Winch....	1
26	1223-696	Switch, Range Shift....	1
27	Page 6.6	Switch, Quick Start....	1
28	1291-137	Control, Throttle.....	1
29	Group 31	Controls, Heater.....	1
30	1223-663	Breaker, Circuit(5A)..	2
	1223-662	Breaker, Circuit(10A)..	9
	1223-691	Breaker, Circuit(20A)..	1
31	1222-295	Button, Plug(Switch)	2
	1222-220	Button, Plug(Heater)	1
32	706 8872	Angle.....	3
	1205-36	Nut, 3/8C.....	3
33	12400-13	Decal, 2-Speed Winch.....	1
	12400-14	Decal, Caution.....	1



REF.	PART NO.		DESCRIPTION	QTY.	
	Prior #90175	Begin #90175			
1	1223-53	1223-53	Switch, Ignition.....	1	
2	1245-123	-	Gauge, Oil Pressure....	1	
3	1245-126	-	Gauge, Fuel.....	1	
4	1245-120	-	Gauge, Engine Temp.....	1	
5	1245-118	-	Gauge, Trans. Temp.....	1	
6	1245-139	1245-162	Meter, Hour	1	Repl. 1245-102,1245-139
7	1245-133	-	Meter, Volt.....	1	
8	1223-603	-	Light, Low Water.....	1	
	1223-627	-	Bulb (GE #1893).....	1	
9	1223-443	1223-443	Breaker, Circuit (30A).	1	
10	1223-444	1223-726	Breaker, Circuit (20A).	1	
11	1246-4	1246-4	Relay, Headlight.....	1	
12	1246-2	1246-2	Relay, Starter.....	1	
13	1222-5	-	Cable, Quick Start.....	1	
14	1245-136	-	Gauge, Trans. Oil Press ..	1	
	1245-137	-	Kit, Installation.....	1	
15	1223-338	-	Switch, Stop(DD 6V-53)...	1	
	707 9701	-	Wire, Ground.....	1	
16	204110	-	Wire, Jumper.....As Req'd.		



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

KOEHRING CRANES & EXCAVATORS

UPPER ELECTRICAL SCHEMATIC

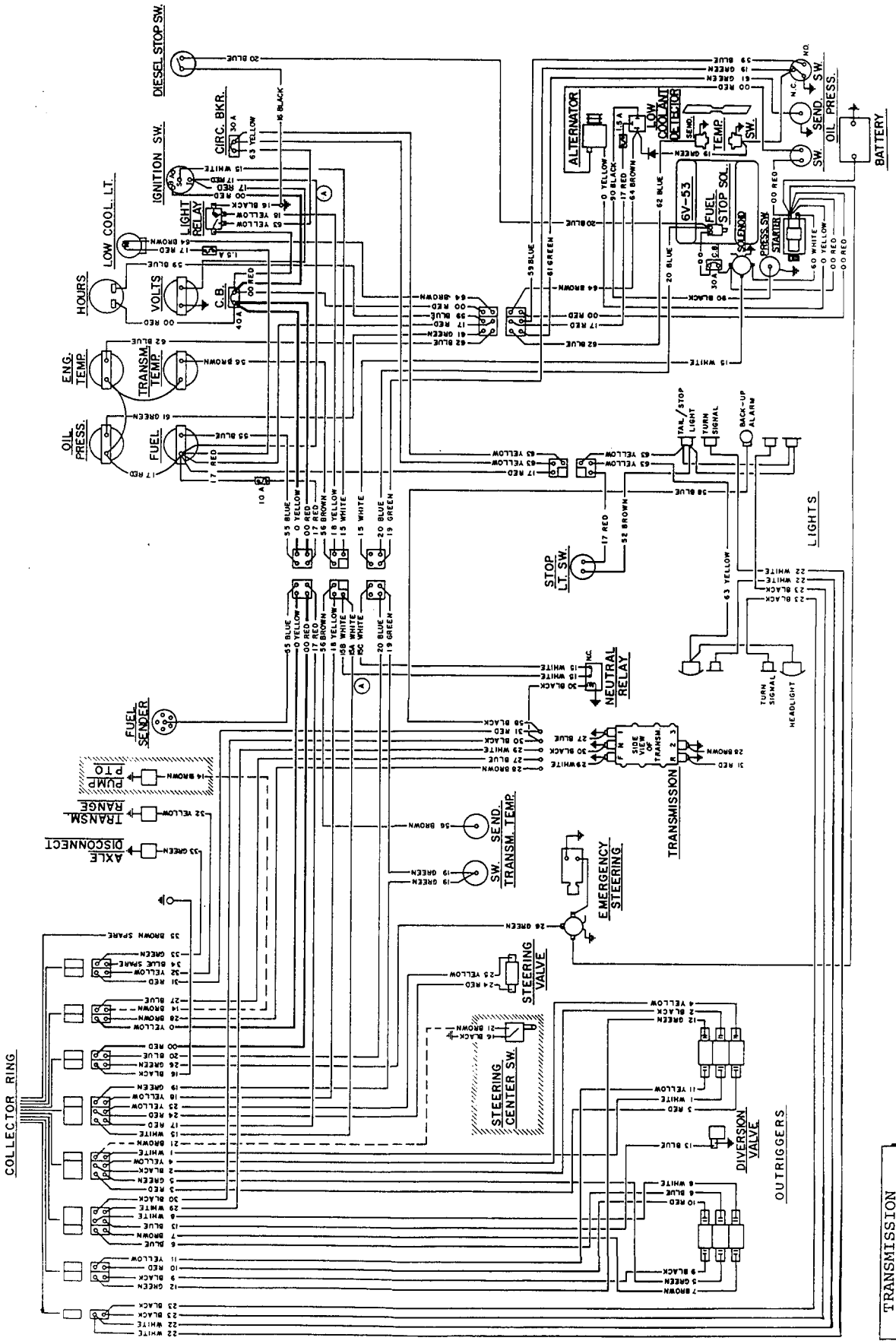
DATE: Revised 9-84

MODEL: 706A2586

GROUP 33

PAGE 33.4

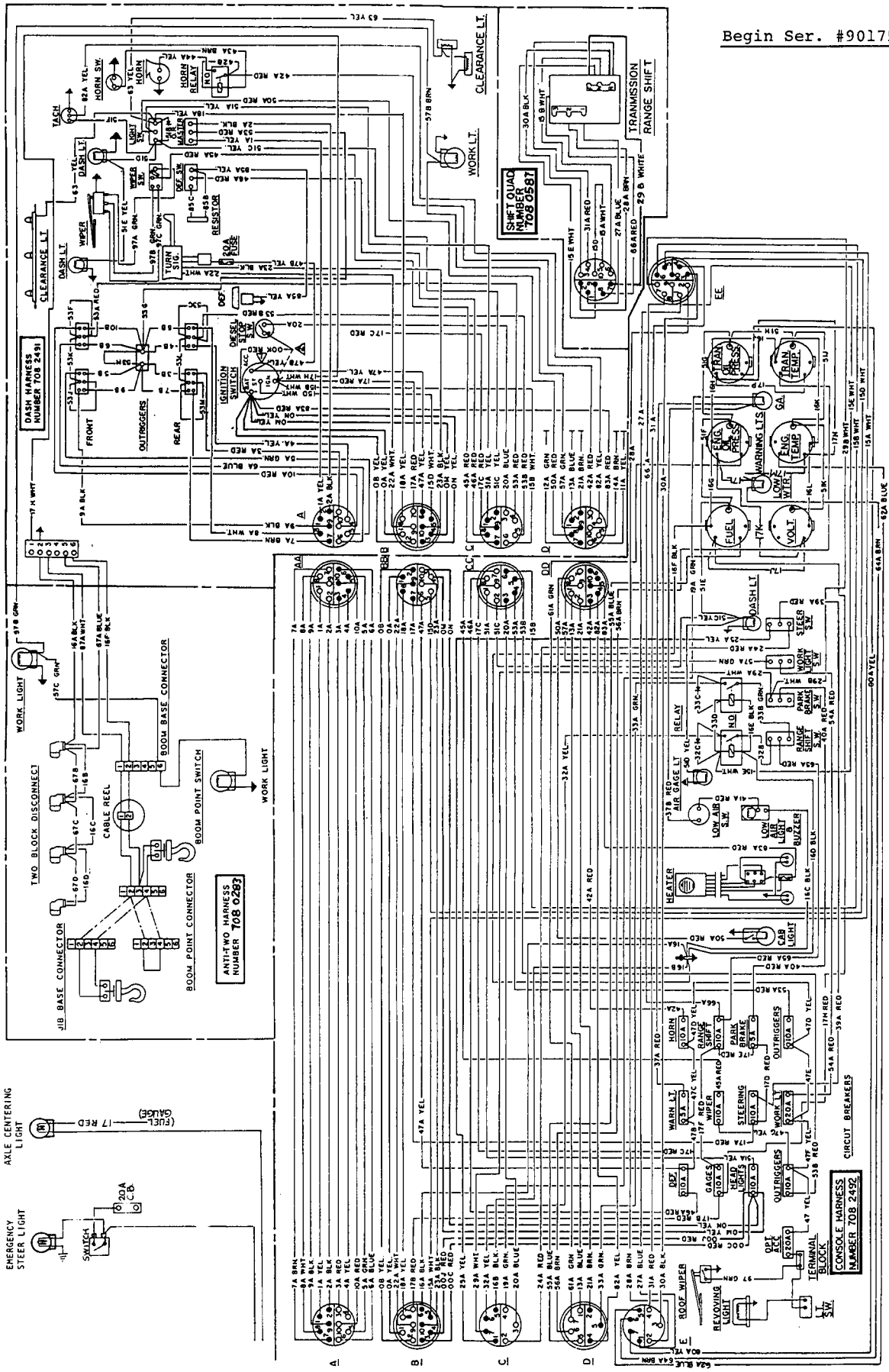
⊗ DISCONTINUED PART! REFER TO NUMERICAL PARTS LIST FOR REPLACEMENT PART(S)



TRANSMISSION GEAR / WIRES ENERGIZED

F1 - 27,28,29,30
F2 - 28,29,30
F3 - 29,30
N - 15B, 15AA
R1 - 27,28,30,31
R2 - 28,30,31
R3 - 30,31

Begin Ser. #90175



WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

GROUP 33

KOEHRING CRANES & EXCAVATORS

UPPER ELECTRICAL SCHEMATIC

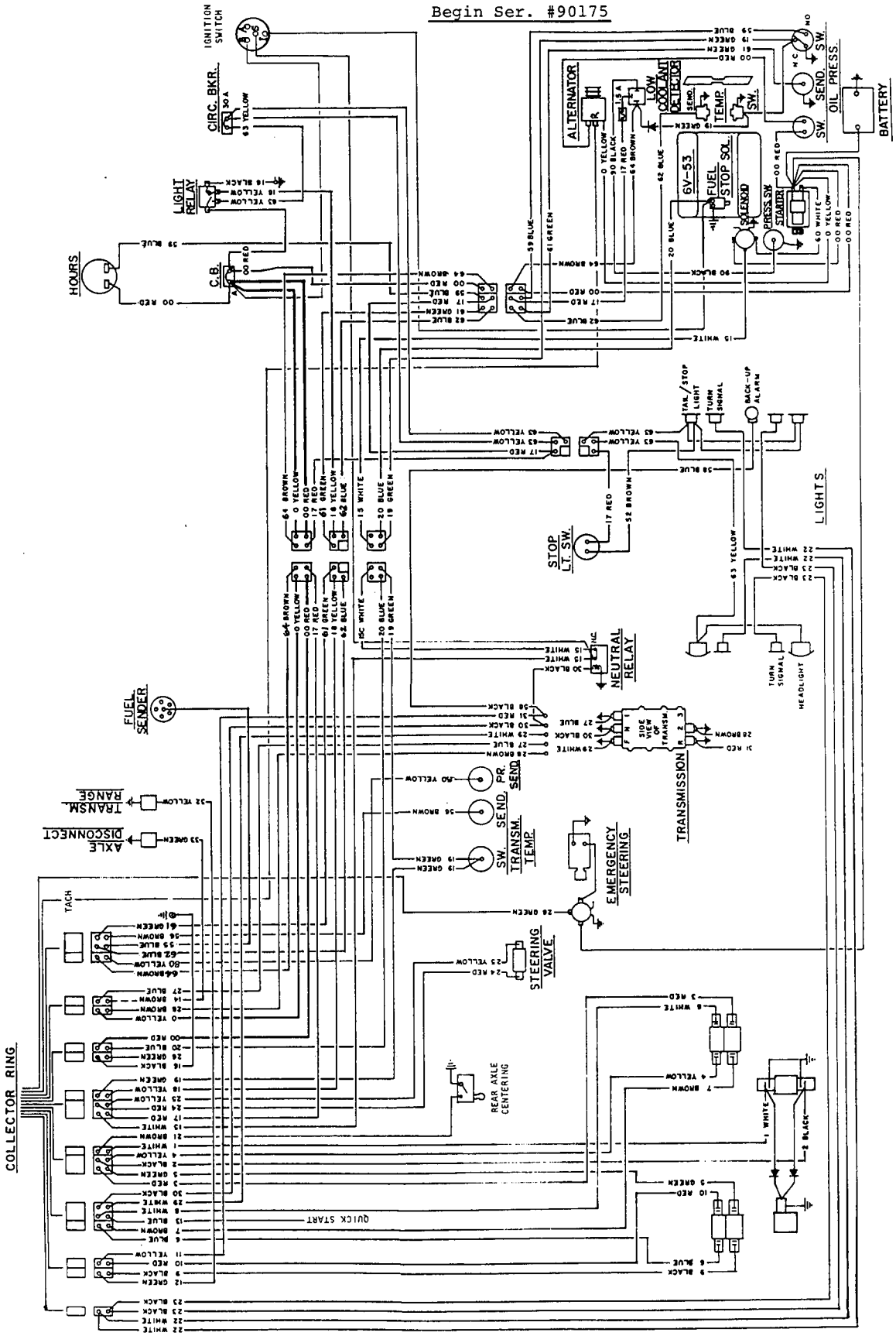
DATE: Revised 2-86

MODEL: 706A2586

PAGE 33.4B

⊗ DISCONTINUED PART! REFER TO NUMERICAL PARTS LIST FOR REPLACEMENT PART(S)

Begin Ser. #90175



TRANSMISSION GEAR / WIRES ENERGIZED

F1 - 27,28,29,30
F2 - 28,29,30
F3 - 29,30
N - 15B, 15AA
R1 - 27,28,30,31
R2 - 28,30,31
R3 - 30,31

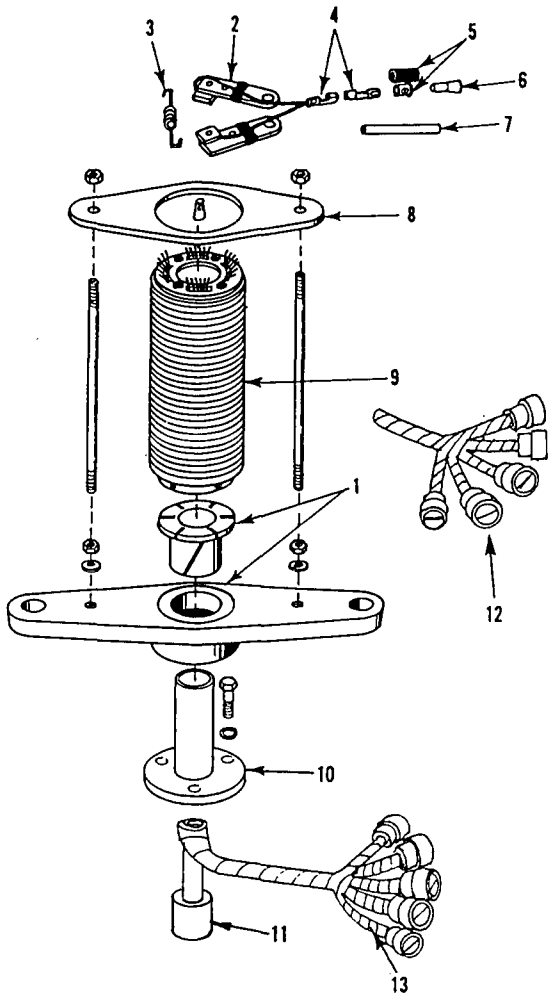
Prior Serial #90175

CIRCUIT	COLOR	FUNCTION	
OO	Red	Hot	
O	Yellow	Hot	
1	White	RR Down	OUTRIGGERS
2	Black	RR Up	
3	Red	LR Down	
4	Yellow	LR Up	
5	Green	RF Down	
6	Blue	RF Up	
7	Brown	LF Down	
8	White	LF Up	
9	Black	Front Beam Out	
10	Red	Front Beam In	
11	Yellow	Rear Beam Out	
12	Green	Rear Beam In	
13	Blue	Diversion	
14	Brown	Pump PTO	
15	White	Start	
16	Black	Ground	
17	Red	Ignition	
18	Yellow	Lights	
19	Green	Warning Light	
20	Blue	Diesel Stop	
21	Brown	Steering Light	
22	White	Turnsignal	
23	Black	Turnsignal	
24	Red	Steering Switch	
25	Yellow	Steering Switch	
26	Green	Aux. Steering	
27	Blue	Shift 4	
28	Brown	Shift 5	
29	White	Shift 6	
30	Black	Shift 8	
31	Red	Shift 7	
32	Yellow	Range Shift	
33	Green	Axle Disconnect	
34	Blue	Emergency Stop	
35	Brown	Spare	
36		Spare	
37		Spare	

Begin Serial #90175

30 Amp Circuits (00,0,16) require two 20 amp brushes

CIRCUIT	COLOR	FUNCTION	
00 (2)	Red	Hot	
0 (2)	Yellow	Hot	
16 (2)	Black	Ground	
13	Blue	Spare	
15	White	Start	
17	Red	Ignition	
20	Blue	Diesel Stop	
82	Yellow	Tachometer	
1	White	Retract	OUTRIGGERS
2	Black	Extend	
3	Red	RR Jack	
4	Yellow	LR Jack	
5	Green	RF Jack	
6	Blue	LF Jack	
7	Brown	RR Beam	
8	White	LR Beam	
9	Black	RF Beam	
10	Red	LF Beam	
18	Yellow	Lights	
19	Green	Warning Light	
21	Brown	Spare	
22	White	Left Turnsignal	
23	Black	Right Turnsignal	
24	Red	Steering Switch	
25	Yellow	Steering Switch	
27	Blue	Transmission 4	
28	Brown	Transmission 5	
29	White	Transmission 6	
30	Black	Transmission 8	
31	Red	Transmission 7	
32	Yellow	Transmission Range	
33	Green	Axle Disconnect	
55	Blue	Fuel Gauge	
56	Brown	Trans. Temp Gauge	
61	Green	Engine Oil Gauge	
62	Blue	Engine Temp Gauge	
64	Brown	Low Water Gauge	
80	Yellow	Trans. Press. Gauge	

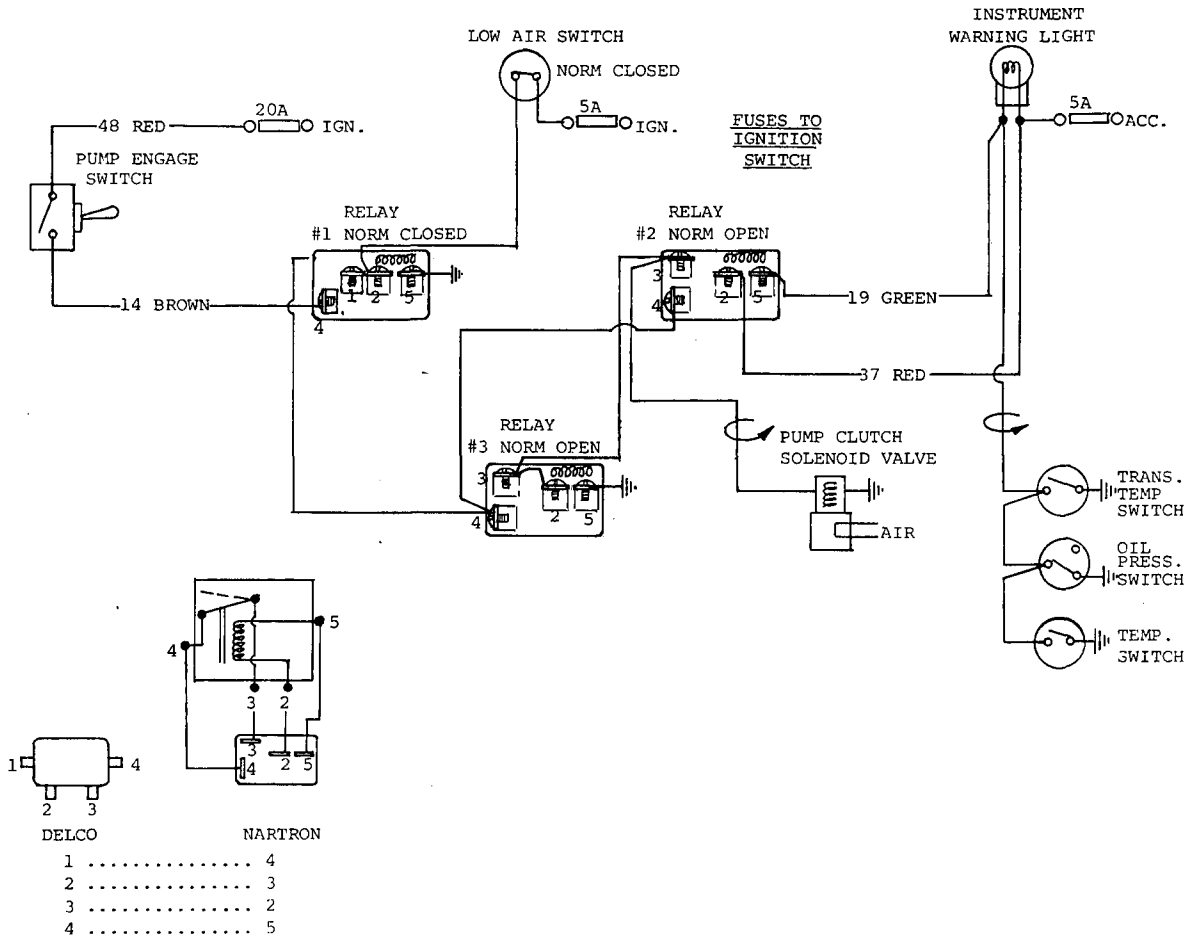


Prior Serial #90175

REF.	PART NO.	DESCRIPTION	QTY.
	707 9019	Ring, Collector..... (37 Circuit - Includes Items 1 thru 9)	1
1	29869	Bracket w/Nylon Brg....	1
2	29873	Brush Ass'y (15 amp)...	34
	205403	Brush Ass'y (20 amp)...	3
3	29872	Spring.....	37
4	205406	Clip, Knife (small)....	34
	205404	Clip, Knife (large)....	3
5	29874	Connector, Screw (12-14).	As Req'd
	205407	Connector, Screw (10 ga).	
6	29875	Connector, Crimp (12-14).	
	205408	Connector, Crimp (10 ga).	
7	205417	Sleeve, Plastic (small)..	
	205405	Sleeve, Plastic (large)..	
8	29871	Bearing, Top, Nylon....	1
9	N.S.S.	Core, Center Slip Ring.	1

Begin Serial #90175

REF.	PART NO.	DESCRIPTION	QTY.
	708 0579	Center Ring Ass'y (38 Circ.)	1
	708 0880	Center Ring Ass'y (40 Circ.) (Includes Collector Ring, Column, Tube, Harnesses)	
1	29869	Bracket w/Nylon Brg....	1
2	205445	Brush Ass'y (7-1/2 amp)..	30/32
	25435	Brush Ass'y (15 amp)....	5
	205403	Brush Ass'y (20 amp)....	6
3	205446	Spring (7-1/2 amp).....	30/32
	25436	Spring (15 & 20 amp).....	11
4	205406	Clip, Knife (small).....	35/37
	205404	Clip, Knife (large).....	6
5	29874	Connector, Screw (12-14)..	As Req'd.
	205407	Connector, Screw (10 ga)..	
6	29875	Connector, Crimp (12-14)..	
	205408	Connector, Crimp (10 ga)..	
7	205417	Sleeve, Plastic (small)...	
	205405	Sleeve, Plastic (large)...	
8	29871	Bearing, Top Nylon.....	1
9	N.S.S.	Core, Center Slip Ring ...	1
10	37009	Column, Support.....	1
11	707 9020	Tube (Taped to Harness)...	1
12	706 8520	Harness, Upper (38 Circ.)..	1
	708 0881	Harness, Upper (40 Circ.)..	
13	708 0580	Harness, Lower.....	1



A. ENGINE OFF WITH AIR PRESSURE:

Pump can be engaged and will stay on until air pressure drops.

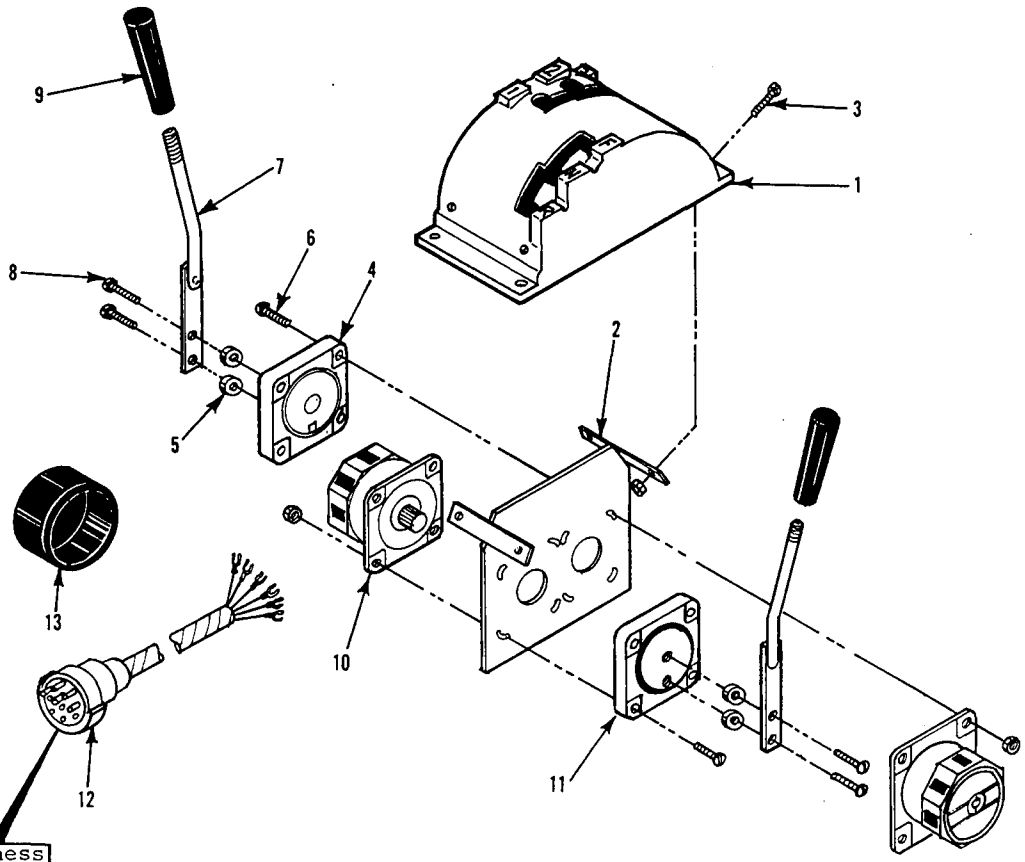
B. ENGINE OFF WITH LOW AIR PRESSURE:

Pump cannot be engaged.

C. ENGINE RUNNING:

Pump cannot be engaged.

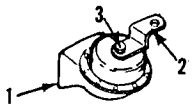
Begin Ser. #90175



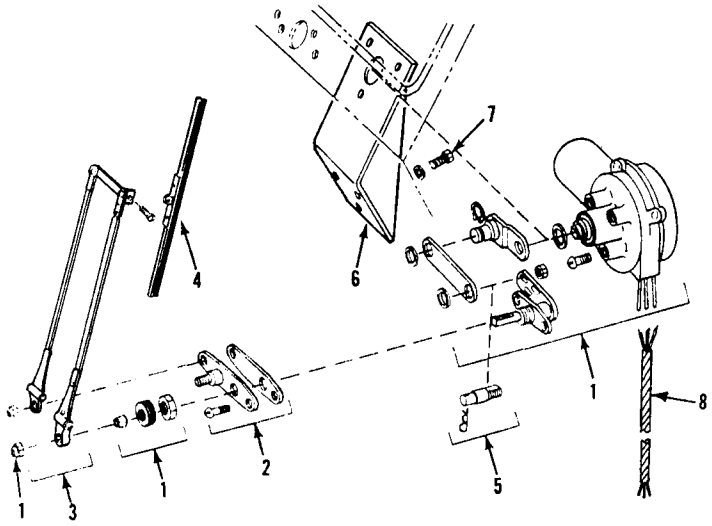
Plug Pin	Harness Wire
1	27
2	28
3	30
4	31
5	15A
6	Plug
7	29
8	Plug
9	Plug
10	15D

REF.	PART NO.	DESCRIPTION	QTY.
	708 0587	Shift Quadrant Ass'y... (Includes Items 1 thru 13)	1
1	205121	Housing, Aluminum.....	1
2	205122	Plate, Switch Mounting.	1
3		Screw, #10F x 1/2 oval hd..	4
		Nut, #10F.....	4
4	205123	Bearing, Switch Drive..	2
5	205124	Spacer, Aluminum.....	4
6		Screw, #6C x 5/8 round hd..	8
		Nut, #6C.....	8
7	205125	Lever.....	2
8	205126	Screw, 4 mm x 20 mm.....	4
9	53040	Handle.....	2
10		Switch, Rotary(F-N-R)..	1
11	205855	Switch, Rotary(3-2-1)..	1
12		Harness w/Plug.....	1
13		Seal, Heat Shrink.....	1

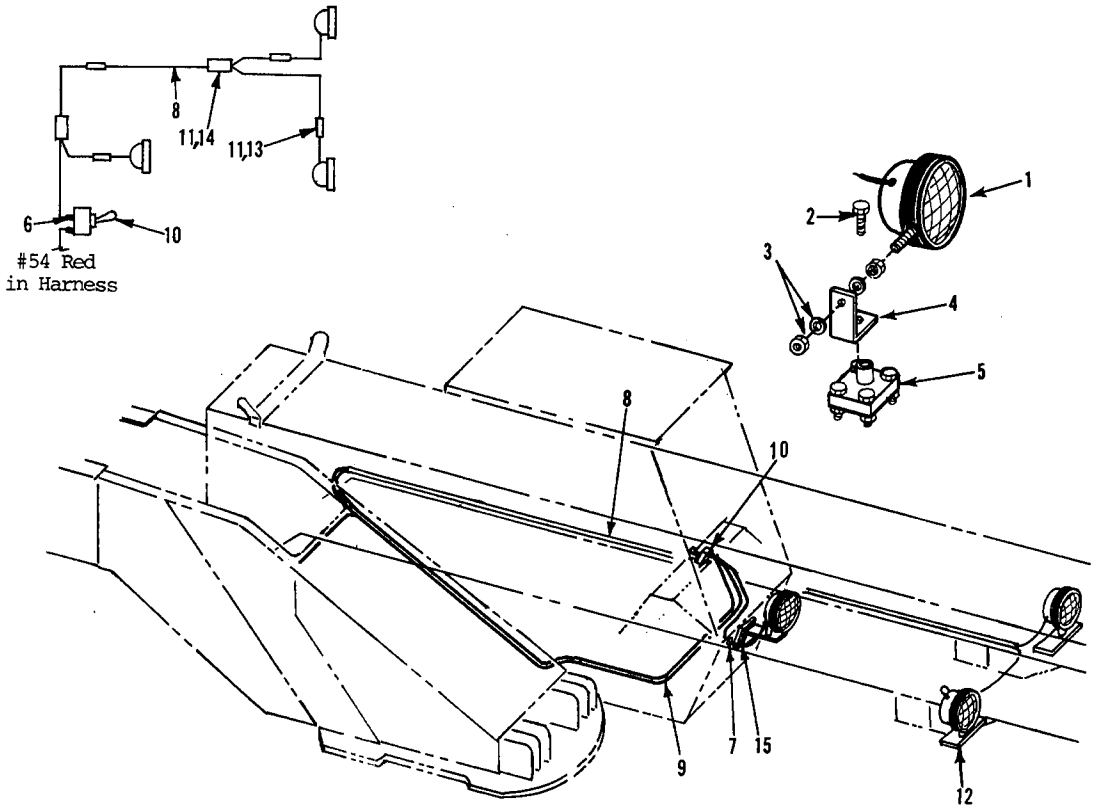
HORN RELAY NOT REQUIRED. REFER TO MODIFICATION INSTRUCTIONS #202785.



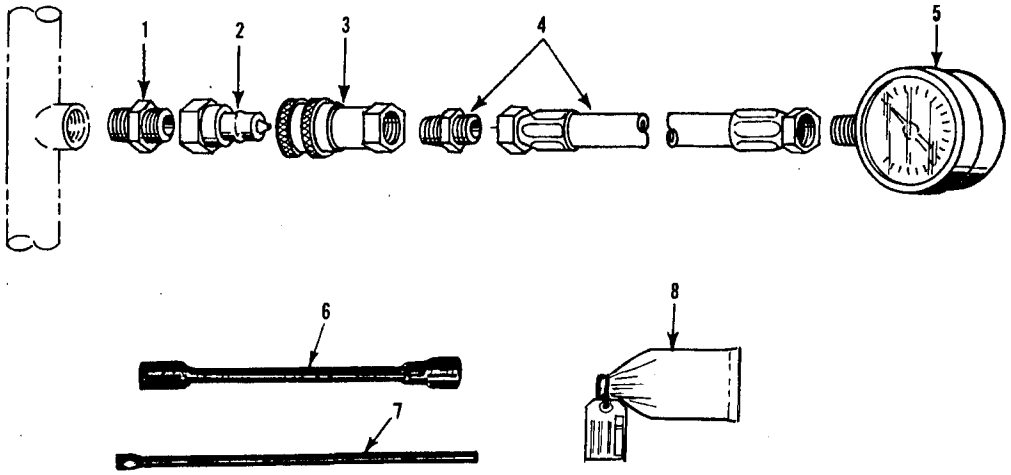
REF.	PART NO.	DESCRIPTION	QTY.
1	1223-387	Horn.....	1
2	1223-388	Bracket.....	1
3	1223-389	Nut.....	1



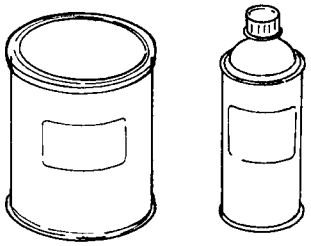
REF.	PART NO.	DESCRIPTION	QTY.
	707A6540	Wiper Assembly..... (Includes Items 1 thru 8)	1
	1251-7	Motor (Requires Item 8)....	1
1	25527	Pivot Arm & Shaft.....	1
	25033	Link, Connecting.....	1
2	1222-203	Adapter, Pantograph....	1
3	1222-251	Arm (20").....	1
4	1222-249	Blade (20").....	1
	707 6544	Pin.....	1
5	1209-44	Washer.....	1
	1222-250	Cotter, Hair Pin.....	1
6	707F6541	Bracket.....	1
7	1200-30	Capscrew, 5/16F x 3/4..	3
	1210-17	Washer, Lock, 5/16.....	3
8	708 0126	Harness.....	1



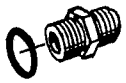
REF.	PART NO.	DESCRIPTION	QTY.
	707A9432	Work Light Assembly.... (Includes Items 1 thru 15)	Opt.
1	1223-447	Light.....	3
	24467	Lamp, Sealed Beam only...	3
2	1200-95	Capscrew, 1/2C x 1.....	3
3	1205-68	Nut, 1/2F Elastic.....	6
	1209-6	Washer, Plain, 1/2.....	6
4	38570	Bracket.....	3
5	1223-476	Base, Mounting.....	3
6	1223-7	Terminal.....	1
7	1221-35	Grommet.....	1
8	1223-217	Wire.....	40'
9	708 0095	Tube.....	1
10	1223-2	Switch.....	1
11	1223-65	Terminal.....	14
12	38392	Bracket (Weld).....	2
13	1223-90	Connector.....	4
14	1223-287	Connector.....	2
15	1200-77	Capscrew, 3/8C x 3-1/4.	2



REF.	PART NO.	DESCRIPTION	QTY.	
1	1219-954	Adapter.....	3	
2	12019-245	Tap, Pressure.....	3	
3	12019-251	Disconnect, Quick.....	1	
4	A29372	Kit, Hose.....	Opt.	
5	201724	Gauge (0 - 3000 PSI).....	Opt.	
6	1226-11	Wrench, Wheel.....	1	
7	32179	Handle, Wrench.....	1	
8	202787	Bolt, Brake Chamber....	4	Rough Terrain
	1222-266	Bag.....	1	Rough Terrain
	12260-855	Tag, Caution.....	1	Rough Terrain



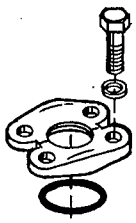
GALLON	AEROSOL	PAINT	Rough Terrain	Carrier Crane
8360	13667	Orange		
202646	202647	Mahogany		
202644	202645	Yellow.....Prior	Serial No. 90013	93006
204255	204256	Yellow.....Begin		



"O" RING ADAPTER

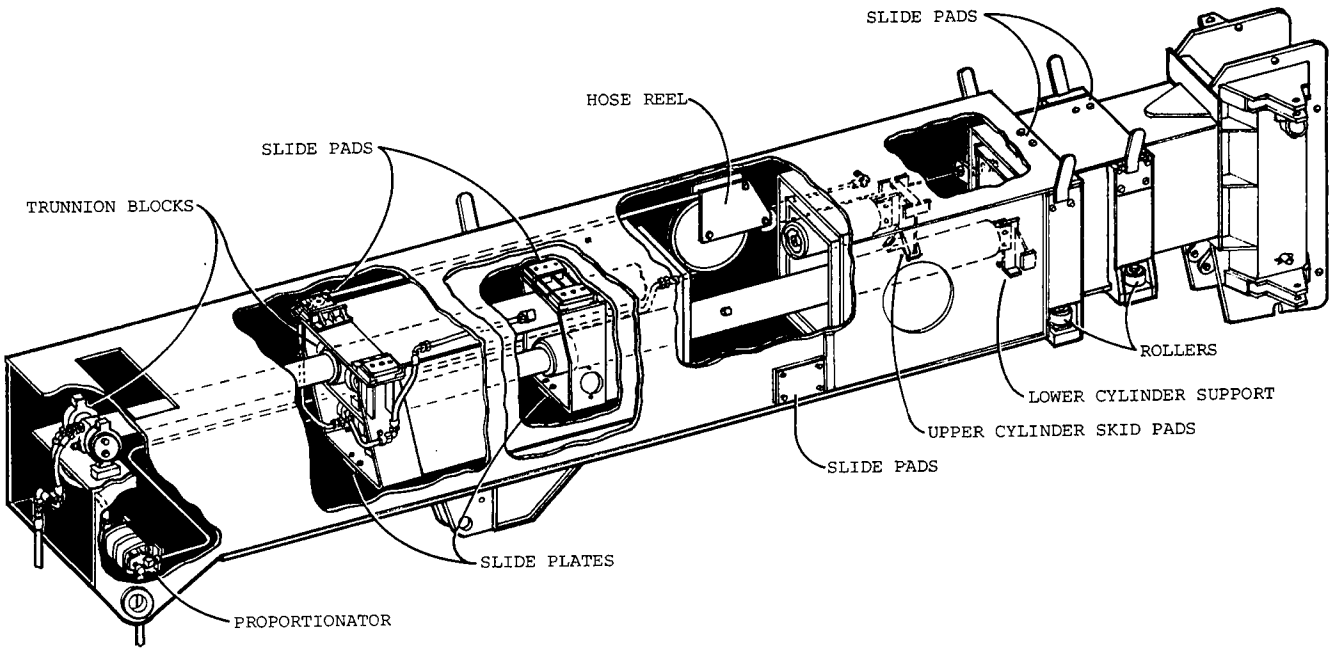
REF	PART NO. "O" RING PART NO.	DESCRIPTION SAE SIZE(-) 16ths Inch	QTY. FOR TUBE OD
	1218-155	- 4	1/4
	1218-149	- 5	5/16
	1218-144	- 6	3/8
	1218-34	- 8	1/2
	1218-41	- 10	5/8
	1218-64	- 12	3/4
	1218-140	- 14	7/8
	1218-65	- 16	1
	1218-73	- 20	1-1/4
	1218-132	- 24	1-1/2
	1218-133	- 32	2

USE AS APPLICABLE

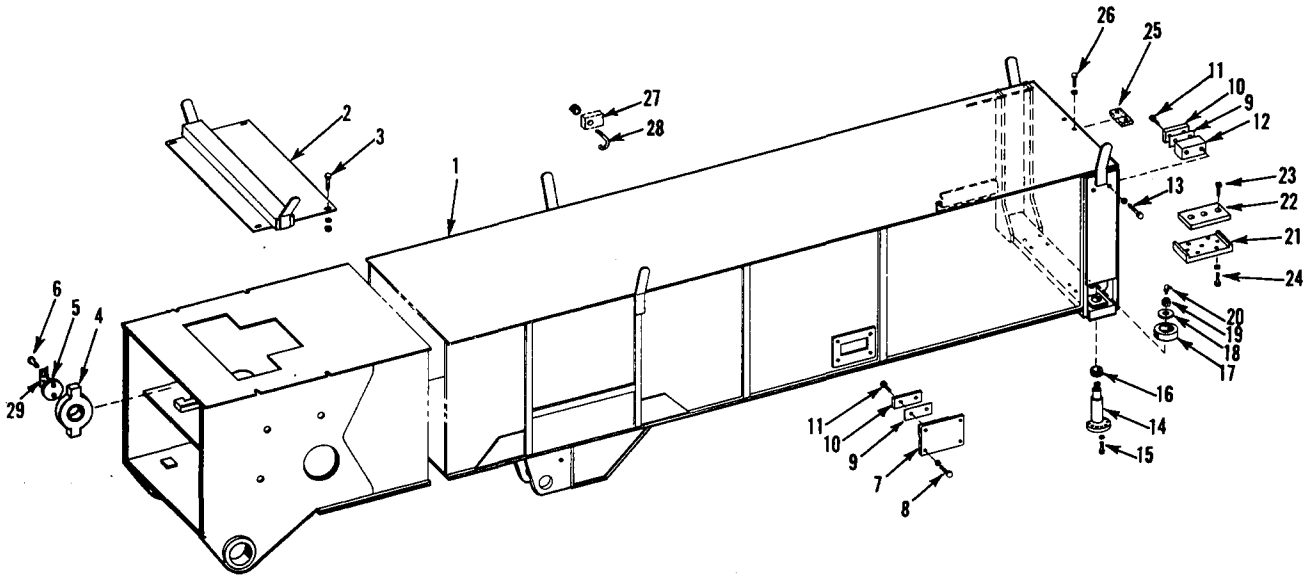


SPLIT FLANGE CLAMPS

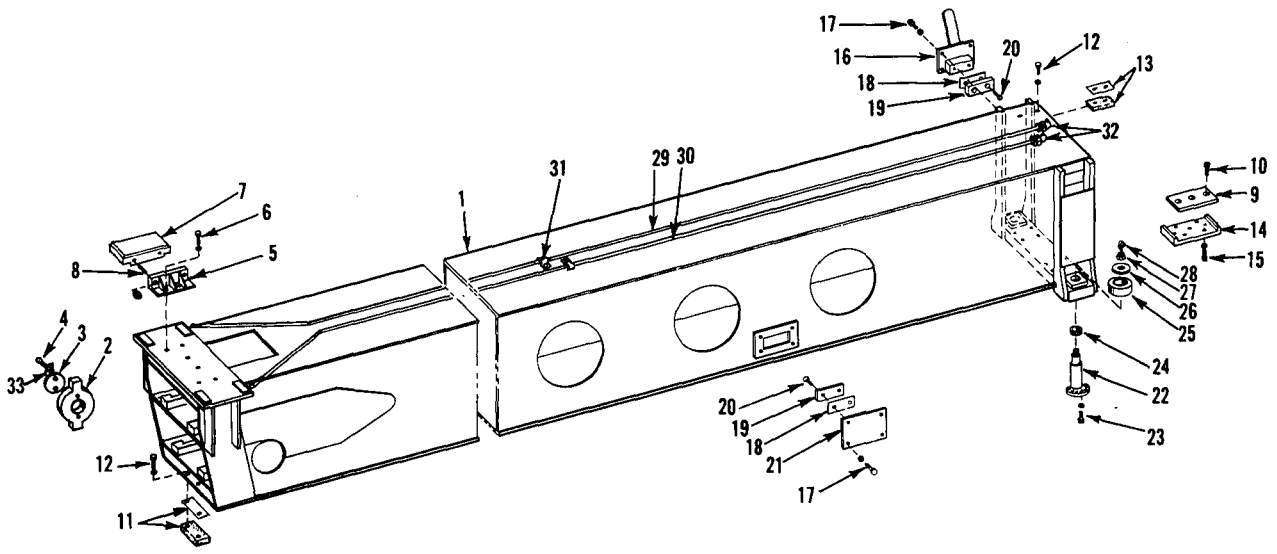
TUBE OD	PART NO.	DESCRIPTION	QTY.
3/4"	12019-279	Split Flange Clamp.....	2
	1218-26	"O" Ring.....	1
	1200-61	Capscrew, 3/8C x 1-1/4....	4
	1210-20	Lockwasher.....	4
1"	1219-665	Split Flange Clamp.....	2
	1218-103	"O" Ring.....	1
	1200-61	Capscrew, 3/8C x 1-1/4....	4
	1210-20	Lockwasher.....	4
1-1/4"	1219-392	Split Flange Clamp.....	2
	1218-63	"O" Ring.....	1
	1200-307	Capscrew, 7/16C x 1-1/2...	4
	1210-23	Lockwasher.....	4
1-1/2"	1219-390	Split Flange Clamp.....	2
	1218-72	"O" Ring.....	1
	1200-100	Capscrew, 1/2C x 1-1/2....	4
	1210-26	Lockwasher.....	4
2"	1219-885	Split Flange Clamp.....	2
	1218-126	"O" Ring.....	1
	1200-100	Capscrew, 1/2C x 1-1/2....	4
	1210-26	Lockwasher.....	4
3"	1219-393	Split Flange Clamp.....	2
	1218-61	"O" Ring.....	1
	1200-146	Capscrew, 5/8C x 1-3/4....	4
	1210-32	Lockwasher.....	4



BASE BOOM SECTION	Page 39.1
CENTER BOOM SECTION	Page 39.2
TIP BOOM SECTION	Page 39.3
BOOM HYDRAULIC SYSTEM	Page 39.4

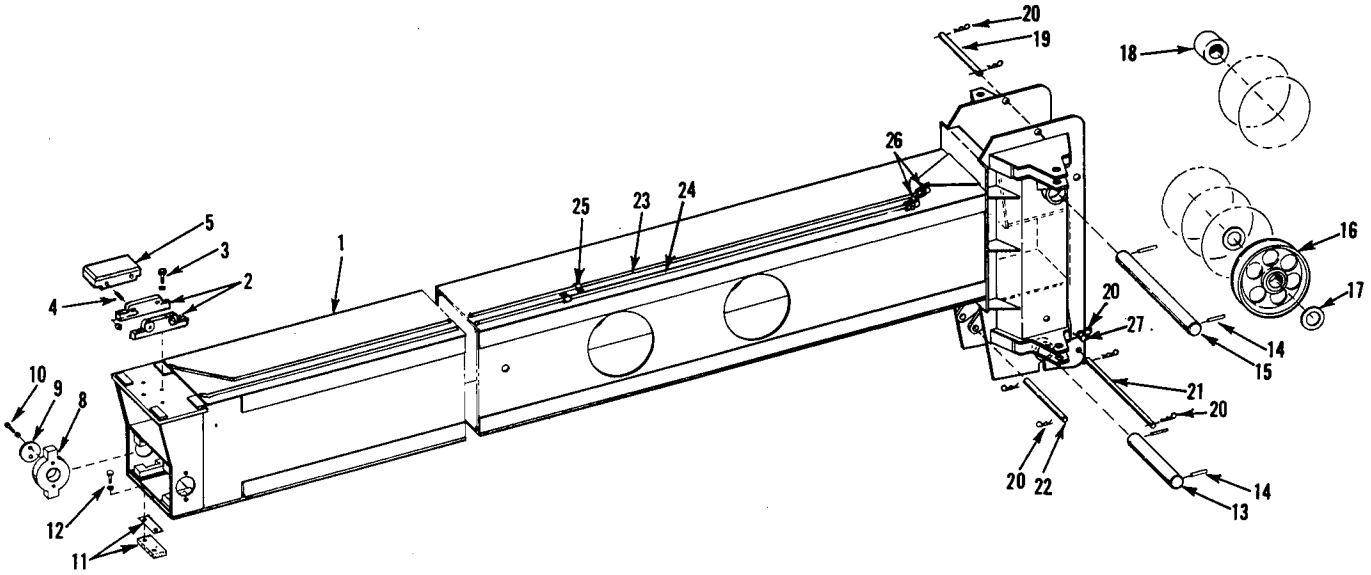


REF.	PART NO.	DESCRIPTION	QTY.
	707A8268	Base Boom Ass'y..... (Includes Items 1 thru 29)	1
1	709F5079	Boom, Base (Repl.707F8298)..	1
2	707F8366	Cover, Top.....	1
3	1200-59	Capscrew, 3/8C x 1.....	4
	1210-20	Washer, Lock, 3/8.....	4
	1205-36	Nut, 3/8C.....	4
4	707 8286	Block, Trunnion.....	2
5	707 8287	Cover, Trunnion.....	2
6	1200-59	Capscrew, 3/8C x 1.....	4
	1210-20	Washer, Lock, 3/8.....As Req'd.	
7	707F8613	Plate.....	2
8	1200-57	Capscrew, 3/8C x 3/4...	8
	1210-20	Washer, Lock, 3/8.....	8
9	707 8580	Plate.....	8
10	707 8575	Pad.....	4
11	1203-144	Capscrew, 3/8C x 3/4 sock.	8
12	707 8574	Plate.....	2
13	1200-75	Capscrew, 3/8C x 2.....	4
	1210-20	Washer, Lock, 3/8.....	4
14	707F8293	Pin, Eccentric.....	2
15	1200-59	Capscrew, 3/8C x 1.....	2
	1210-20	Washer, Lock, 3/8.....	2
16	1217-343	Race, Inner.....	2
17	708A0023	Roller w/Brg.(Repl.707A8294)	2
	1217-342	Bearing.....	2
18	707 8295	Bushing.....	2
19	1205-90	Nut, 5/8C Elastic.....	2
20	1213-8	Zerk, Grease, 1/4F 90°.	2
21	707 8576	Plate.....	2
22	707 8290	Pad.....	2
23	1203-144	Capscrew, 3/8C x 3/4 sock.	6
24	1200-69	Capscrew, 3/8C x 2-1/4.	8
	1210-20	Washer, Lock, 3/8.....	8
25	708 0162	Plate (Replaces 707 8569)..	1
	707 8828	Shim.....	2
26	1200-29	Capscrew, 5/16C x 3/4..	2
	1210-17	Washer, Lock, 5/16.....	2
27	707 8780	Block.....As Req'd.	
28	38937	Bolt, J (Repl. 707 8781)...	1
	1205-22	Nut, 1/4F Self-Lock....	2
	1209-2	Washer.....	1
29	708 0266	Plate.....	2

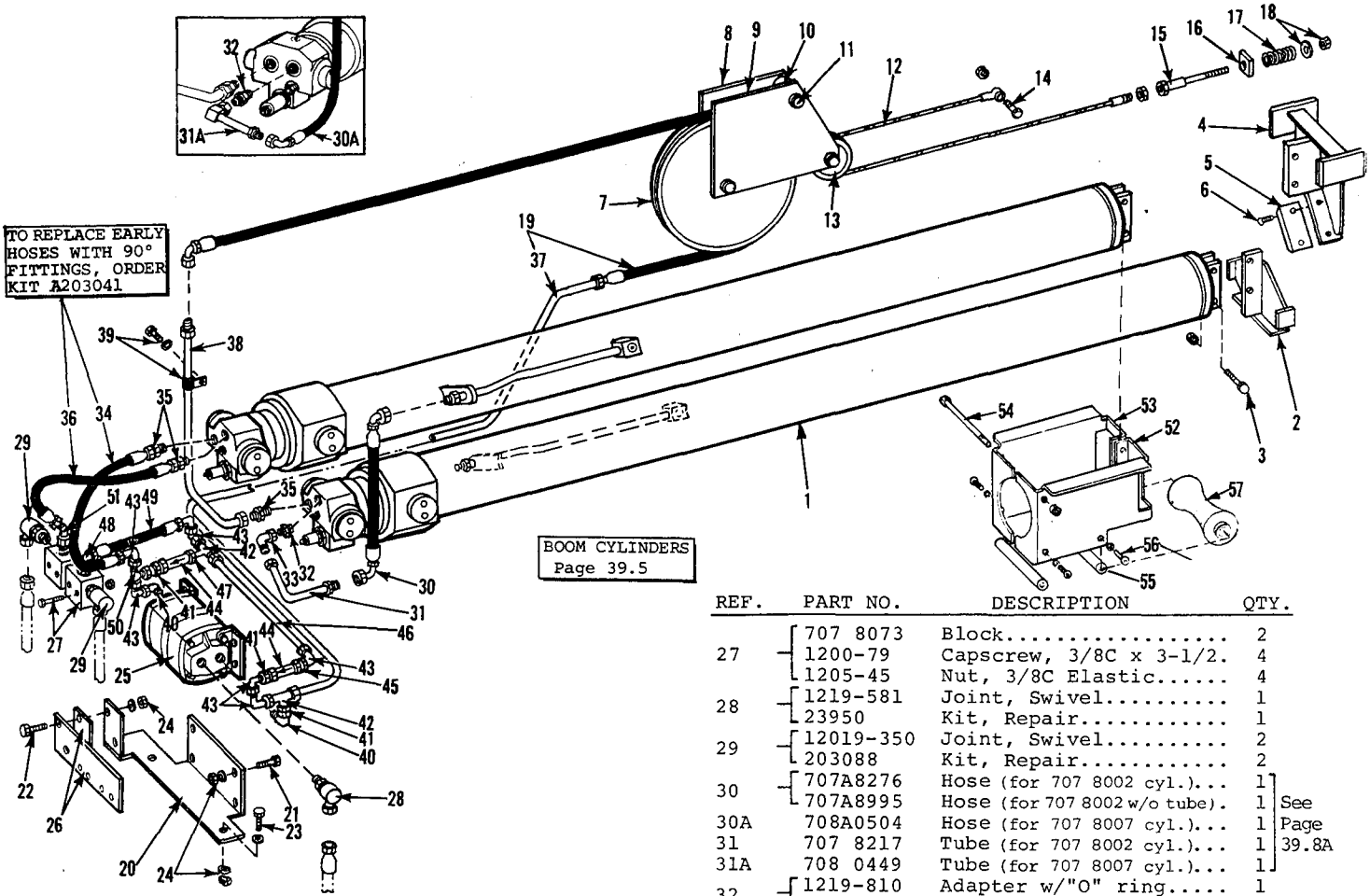


REF.	PART NO.	DESCRIPTION	QTY.
	707A8267	Center Boom Ass'y..... (Includes Items 1 thru 33)	1
1	709F5076	Boom, Center (Repl. 707F8292).	1
2	707 8286	Block, Trunnion.....	4
3	707 8287	Cover, Trunnion.....	4
4	1200-59	Capscrew, 3/8C x 1.....	8
	1210-20	Washer, Lock, 3/8.....As Req'd.	
5	707F8297	Bracket.....	2
6	1200-59	Capscrew, 3/8C x 1.....	4
	1210-20	Washer, Lock, 3/8.....	4
7	708 0009	Pad..... (Replaces 707 8337 Mount & Items 9,10 this location) Beg. Ser. #61751 Rough Terrain Beg. Ser. #61760 Carrier Crane	2
8	1206-85	Setscrew.....	4
	1205-39	Nut, 3/8C Jam.....	4
9	707 8290	Pad.....	2
10	1203-144	Capscrew, 3/8C x 3/4 Sock..	6
11	707 8291	Block, Wear (Cast Iron)..	1
	708 0012	Shim.....	2
12	1200-29	Capscrew, 5/16C x 3/4..	4
	1210-17	Washer, Lock, 5/16.....	4
13	707 8828	Shim.....	2AU
	707 8569	Plate (Cast Iron).....	1
14	707 8576	Plate.....	2
15	1200-69	Capscrew, 3/8C x 2-1/4.	8
	1210-20	Washer, Lock, 3/8.....	8

REF.	PART NO.	DESCRIPTION	QTY.
16	707F8571	Bracket.....	2
17	1200-57	Capscrew, 3/8C x 3/4...	16
	1210-20	Washer, Lock, 3/8.....	16
18	707 8580	Plate.....	8
19	707 8575	Pad.....	4
20	1203-144	Capscrew, 3/8C x 3/4 sock.	8
21	707F8616	Plate.....	2
22	707F8293	Pin, Eccentric.....	2
23	1200-59	Capscrew, 3/8C x 1.....	2
	1210-20	Washer, Lock, 3/8.....	2
24	1217-343	Race, Inner.....	2
25	708A0023	Roller w/Brg. (Repl. 707A8294)	2
	1217-342	Bearing.....	2
26	707 8295	Bushing.....	2
27	1205-90	Nut, 5/8C Elastic.....	2
28	1213-8	Zerk, Grease, 1/4F 90°...	2
29	707A8774	Tube.....	1
30	707A8772	Tube.....	1
31	1240-11	Clip.....	30
	1212-46	Rivet, Drive.....	30
32	12019-452	Connector.....	2
	1213-6	Zerk, Grease.....	2
33	708 0266	Plate, Lock.....	4

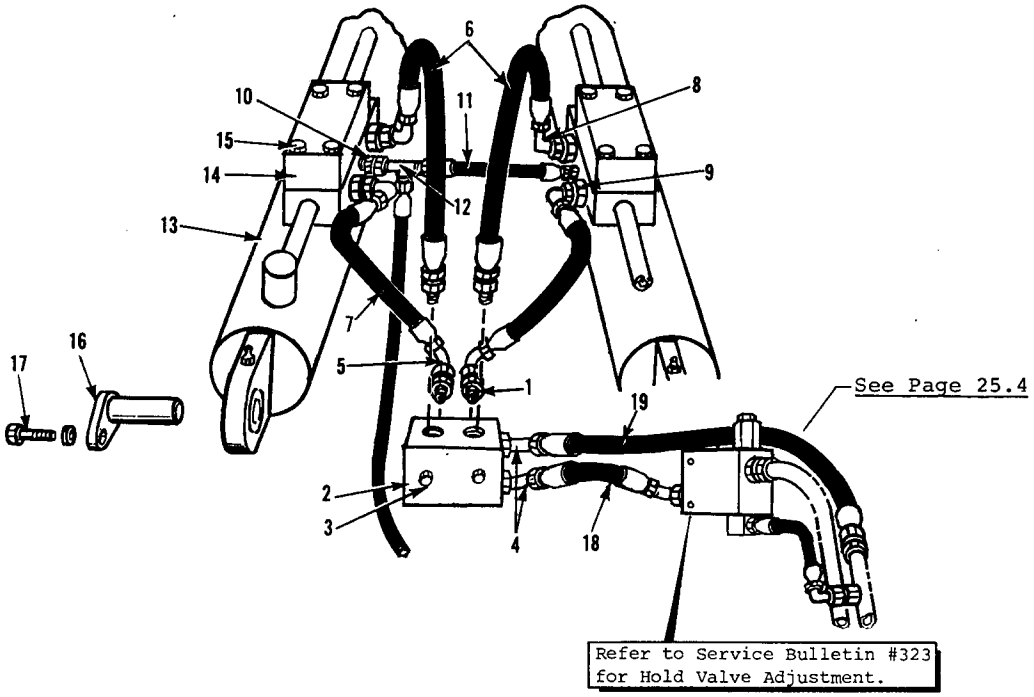


REF.	PART NO.	DESCRIPTION	QTY.
1	707F8279	Section, Boom Tip.....	1
2	707 8297	Bracket (Replaces 707 8288).	2
3	1200-59	Capscrew, 3/8C x 1.....	2
	1210-20	Washer, Lock, 3/8.....	2
4	1206-85	Setscrew.....	4
	1205-39	Nut, 3/8C Jam.....	4
5	708 0009	Pad..... (Replaces 707 8337 Mount, 707 8290 Pad, 1203-144)	2
8	707 8286	Block, Trunnion.....	2
9	707 8287	Cover, Trunnion.....	2
10	1200-59	Capscrew, 3/8C x 1.....	4
	1210-20	Washer, Lock, 3/8.....	4
11	707 8291	Block, Wear (Cast Iron)...	1
	708 0012	Shim.....	2
12	1200-29	Capscrew, 5/16C x 3/4..	2
	1210-17	Washer, Lock, 5/16.....	2
13	51047	Pin.....	1
14	1227-402	Pin, Roll.....	4
15	707 8216	Pin.....	1
16	A51045	Sheave w/Bearing.....	6
	1217-164	Bearing.....	6
17	1209-62	Spacer.....	8
18	707 8280	Spacer.....	1
19	707 8281	Pin.....	2
20	1222-239	Cotter, Hair Pin.....	10
21	707 8282	Pin.....	1
22	707 8632	Pin (Dead-End).....	1
23	707A8773	Tube.....	1
24	707A8771	Tube.....	1
25	1240-11	Clip.....	30
	1211-31	Screw, Drive.....	30
26	12019-452	Connector.....	2
	1213-6	Zerk, Grease.....	2
27	65956	Pin.....	1

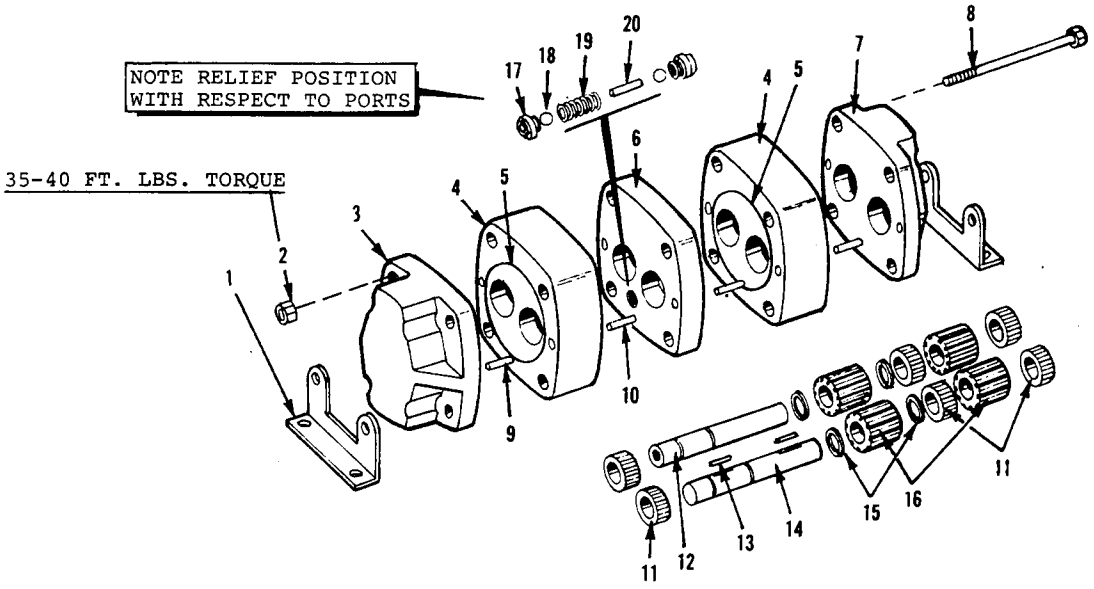


REF.	PART NO.	DESCRIPTION	QTY.
1		Cylinder (See Page 39.8)..	2
2	708F0004	Bracket (Repl. 707F8878)..	1
3	1200-104	Capscrew, 1/2C x 2.....	4
	1205-67	Nut, 1/2C Elastic.....	4
4	707F8882	Bracket (See 52 thru 57)..	1
5	47312	Block, Skid.....	2
6	1203-165	Capscrew, 3/8C x 1-1/4 sock.	4
7	F47185	Sheave w/Bushing.....	1
	1214-63	Bushing.....	1
8	707F8325	Side, LH.....	1
9	707F8324	Side, RH.....	1
10	A51018	Roller w/Bushing.....	1
	1214-63	Bushing.....	1
11	51051	Pin.....	3
	1220-19	Ring, Snap.....	3
12	47397	Cable.....	1
13	A35503-1	Sheave w/Bushing.....	1
	1214-63	Bushing.....	1
14	1200-100	Capscrew, 1/2C x 1-1/2.	1
15	35556	Spindle.....	1
16	35557	Ear.....	1
17	16351	Spring.....	1
18	1208-3	Bushing, Machinery.....	1
	1205-90	Nut.....	1
19	707A8273	Hose Ass'y (Incl. 37)....	1
20	707F8321	Bracket.....	1
21	1200-59	Capscrew, 3/8C x 1.....	4
22	1200-65	Capscrew, 3/8C x 1-3/4.	2
23	1200-63	Capscrew, 3/8C x 1-1/2.	2
24	1205-36	Nut, 3/8C.....	8
	1210-20	Washer, Lock.....	8
25	35873	Proportionator (Page 39.6)..	1
26	707 8889	Plate.....	1
	707 8888	Plate, Spacer.....	1

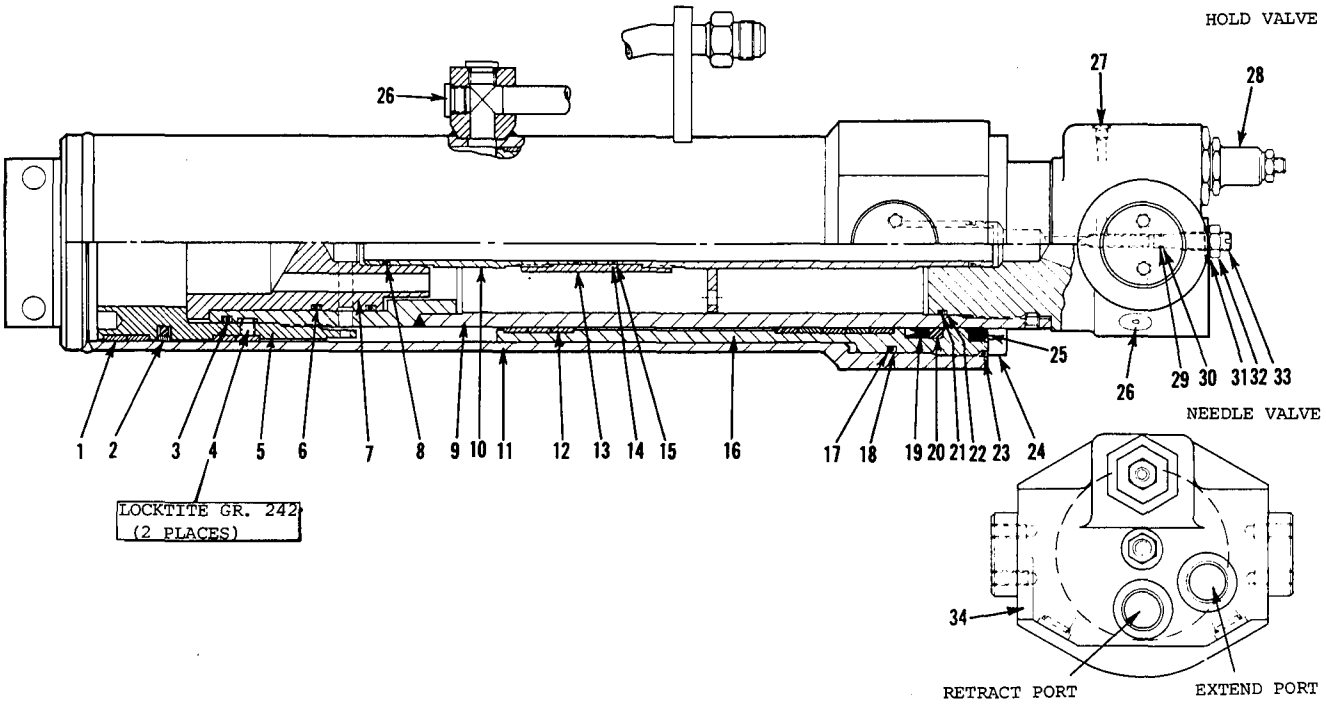
REF.	PART NO.	DESCRIPTION	QTY.	
27	707 8073	Block.....	2	
	1200-79	Capscrew, 3/8C x 3-1/2.	4	
	1205-45	Nut, 3/8C Elastic.....	4	
28	1219-581	Joint, Swivel.....	1	
	23950	Kit, Repair.....	1	
29	12019-350	Joint, Swivel.....	2	
	203088	Kit, Repair.....	2	
30	707A8276	Hose (for 707 8002 cyl.)...	1	
	707A8995	Hose (for 707 8002 w/o tube).	1	See
30A	708A0504	Hose (for 707 8007 cyl.)...	1	Page
31	707 8217	Tube (for 707 8002 cyl.)...	1	39.8A
31A	708 0449	Tube (for 707 8007 cyl.)...	1	
32	1219-810	Adapter w/"O" ring.....	1	
	1218-64	Ring, "O".....	1	
33	1219-571	Adapter, 90° Swivel....	1	
34	707A8986	Hose Ass'y (Repl. 707A8805)	1	
35	1219-389	Adapter w/"O" ring.....	3	
	1218-64	Ring, "O".....	3	
36	707A8985	Hose Ass'y (Repl. 707A8806)	1	
37	707 8231	Tube (See Ref. 19).....	1	
38	707 8611	Tube.....	1	
39	1240-52	Clamp.....	2	
	1200-57	Capscrew, 3/8C x 3/4...	2	
40	1219-287	Elbow.....	2	
41	1219-856	Adapter, Swivel.....	3	
42	12019-119	Tee.....	2	
43	1219-583	Elbow.....	6	
44	12019-255	Valve, Check.....	2	
45	1219-480	Adapter.....	1	
46	707 8798	Tube.....	1	
47	1219-364	Nipple.....	1	
48	1219-802	Elbow.....	1	
49	707A8891	Hose Ass'y.....	1	
50	1219-876	Tee.....	1	
51	1219-663	Adapter, 45°.....	1	
	A203126	Roller Bracket Kit..... (Incl. Items 2,3,52 thru 57, Replaces Items 4,5,6 used Prior Ser. #61480)	1	
52	708 0005	Bracket, RH.....	1	
53	708 0006	Bracket, LH.....	1	
54	1200-136	Capscrew, 1/2C x 7-1/2.	1	
	1205-67	Nut, 1/2C Elastic.....	1	
55	708 0002	Shaft.....	2	
56	1203-209	Capscrew.....	4	
	1210-26	Washer, Lock.....	4	
57	708A0001	Roller Ass'y.....	1	
	1214-128	Bushing.....	2	
	1213-7	Fitting, Grease.....	1	



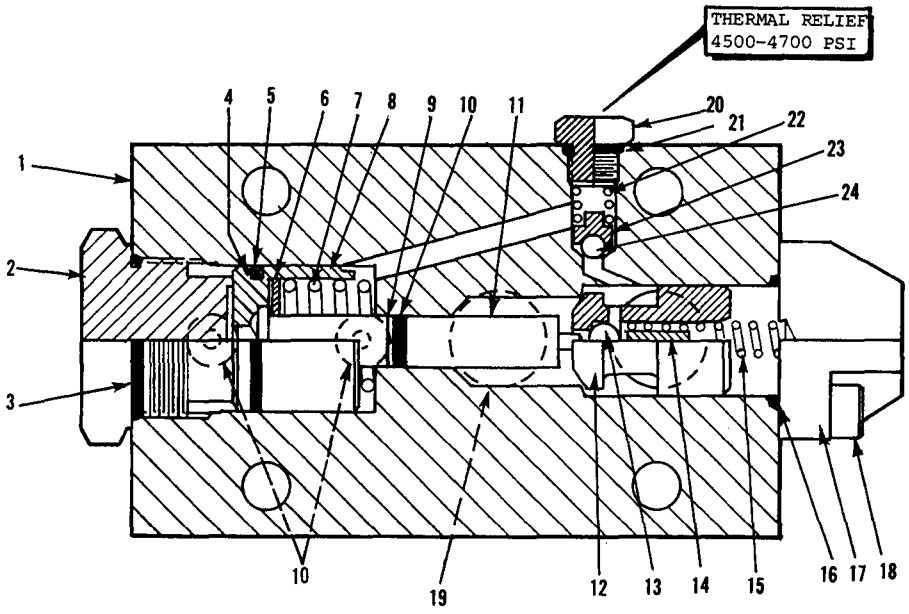
REF.	PART NO.	DESCRIPTION	QTY.
1	1219-389	Adapter w/"O" ring.....	5
	1218-64	Ring, "O".....	5
2	707 8811	Block..... (Repl. 707 8075, Requires Hoses, Ref. 18,19)	1
3	1200-85	Capscrew, 3/8C x 4-1/2.	2
	1205-45	Nut, 3/8C Elastic.....	2
4	1219-663	Adapter w/"O" ring.....	2
	1218-64	Ring, "O".....	2
5	1219-583	Adapter, Swivel (90°)..	2
6	707A8046	Hose Ass'y.....	2
7	707A8047	Hose Ass'y.....	2
8	1219-555	Adapter w/"O" ring.....	2
	1218-65	Ring, "O".....	2
9	12019-218	Adapter w/"O" ring.....	2
	1218-65	Ring, "O".....	2
10	1219-795	Adapter.....	2
11	707A8048	Hose Ass'y.....	1
12	12019-112	Tee.....	1
13	707 8001	Cylinder (See Page 39.9)..	2
14	51646	Valve (See Page 39.7)	2
15	1200-116	Capscrew, 1/2C x 3-1/2.	8
	1210-26	Washer, Lock, 1/2.....	8
16	707F8246	Pin.....	4
17	1200-100	Capscrew, 1/2C x 1-1/2.	4
	1210-26	Washer, Lock, 1/2.....	4
18	708A0403	Hose Ass'y..... (Repl. 707A8044 w/Ref. 2) (Repl. 707A8814 with Hold Valve rotated as shown)	1
19	707A8815	Hose Ass'y..... (Repl. 707A8045 w/Ref. 2)	1



REF.	PART NO.	DESCRIPTION	QTY.
	35873	Proportionator..... (Includes Items 1 Thru 20)	2
1	27817	Bracket, Mount.....	2
2	27820	Nut.....	4
3	200529	Plate, End (1 Port)....	1
4	27810	Case.....	2
5	23250	Ring, "O".....	4
6	27812	Plate, Spacer.....	1
7	27811	Plate, End (2 Port)....	1
8	27818	Capscrew.....	2
	200527	Capscrew (Mount Bkt)...	2
9	200520	Pin, Dowel.....	6
10	23251	Pin, Dowel.....	2
11	23253	Bearing.....	6
12	27813	Shaft, Idler.....	1
13	23252	Key.....	3
14	23249	Shaft, Idler.....	1
15	23254	Ring, Retaining.....	4
16	23248	Gear.....	4
17	27814	Seat, Valve.....	2
18	27815	Ball.....	2
19	27816	Spring.....	1
20	200530	Pin, Dowel.....	1



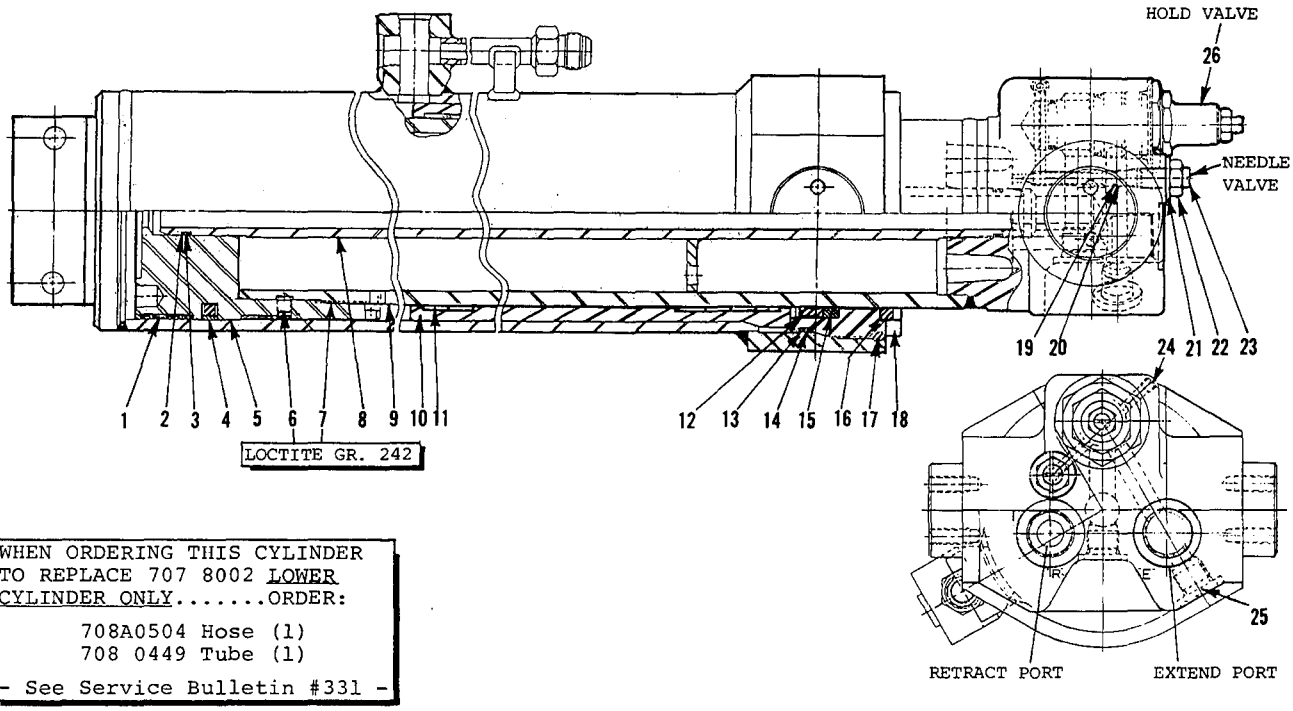
REF.	PART NO.	DESCRIPTION	QTY.
	707 8002	Cylinder, complete.....	2
	202239	Kit, Seal.....As Req'd. (Includes Items 1,2,3,6, 8,12,14,15,17 thru 23, 25,29,30, & external valve seals)	
1	27702	Ring, Wear.....	4
2	27700	Seal Ass'y.....	1
3	202218	Ring, Back-Up.....	2
	201562	Ring, "O".....	1
4	201753	Setscrew, Socket.....	4
5	202219	Piston.....	1
6	202220	Ring, Back-Up.....	4
	202221	Ring, "O".....	2
7	202222	Block, Port.....	1
8	202223	Ring, "O".....	2
	202224	Ring, Back-Up.....	4
9	202226	Piston Rod Ass'y.....	1
10	202225	Inner Tube Ass'y.....	1
11	202227	Barrel Ass'y.....	1
12	202228	Ring, Wear.....	8
13	202229	Coupling, Inner Tube...	1
14	202230	Ring, Back-Up.....	2
15	202231	Ring, "O".....	2
16	202234	Head, Cylinder.....	1
17	27708	Ring, "O".....	1
18	27709	Ring, Back-Up.....	1
19	203247	Seal, Rod.....	1
20	202235	Spacer, Packing.....	1
21	202236	Ring, "O".....	1
22	202237	Ring, Back-Up.....	1
23	27713	Ring, "O".....	1
24	27712	Ring, Retainer.....	1
25	27714	Wiper, Rod.....	1
26	202233	Plug.....	4
27	202232	Plug, Pipe.....	1
28	24458	Valve, Hold.....	1
	A25038	Kit, Seal (Hold Valve)...	1
29	202240	Ring, "O".....	1
30	202241	Ring, Back-Up.....	1
31	202242	Washer.....	1
32	202243	Nut.....	1
33	202244	Screw, Adjusting.....	1
34	202238	End, Rod.....	1



REF.	PART NO.	DESCRIPTION	QTY.
	51646	Valve, Blocking.....	1
	A202286	Kit, Seal..... (Incl. 3,4,5,9,10,16,19,21)	1
1	202276	Body.....	1
2	202277	Plug.....	1
3	1218-73	Ring, "O".....	1
4	26393	Ring, "O".....	1
5	26391	Seal.....	1
6	202278	Spacer.....	1
7	202279	Spring.....	1
8	202280	Shuttle.....	1
9	26833	Ring, Back-Up.....	1
10	26834	Ring, "O".....	3
11	202281	Spool.....	1
12	202282	Poppet.....	1
13	28069	Ball, 3/8".....	1
14	28068	Stop, Spring.....	1
15	28066	Spring.....	1
16	202283	Ring, "O".....	1
17	202284	Cap.....	1
18	202285	Capscrew.....	4
19	1218-202	Ring, "O".....	2
20	28059	Plug.....	1
21	28060	Ring, "O".....	1
22	28061	Spring.....	1
23	28062	Stop, Spring.....	1
24	28063	Ball, 1/4".....	1

Rough Terrain: Begin Ser. #90154 and 90151,90152

Carrier Crane: Begin Ser. #93128 and 93124

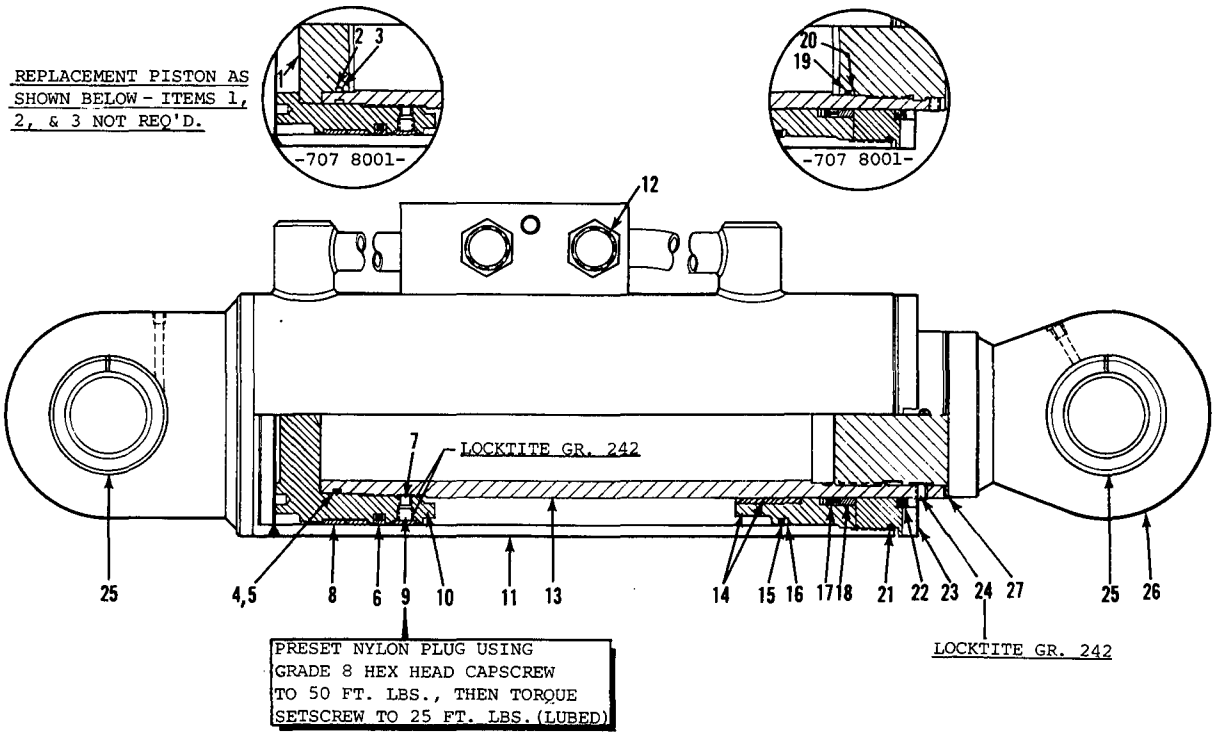


WHEN ORDERING THIS CYLINDER TO REPLACE 707 8002 LOWER CYLINDER ONLY.....ORDER:

708A0504 Hose (1)
708 0449 Tube (1)

- See Service Bulletin #331 -

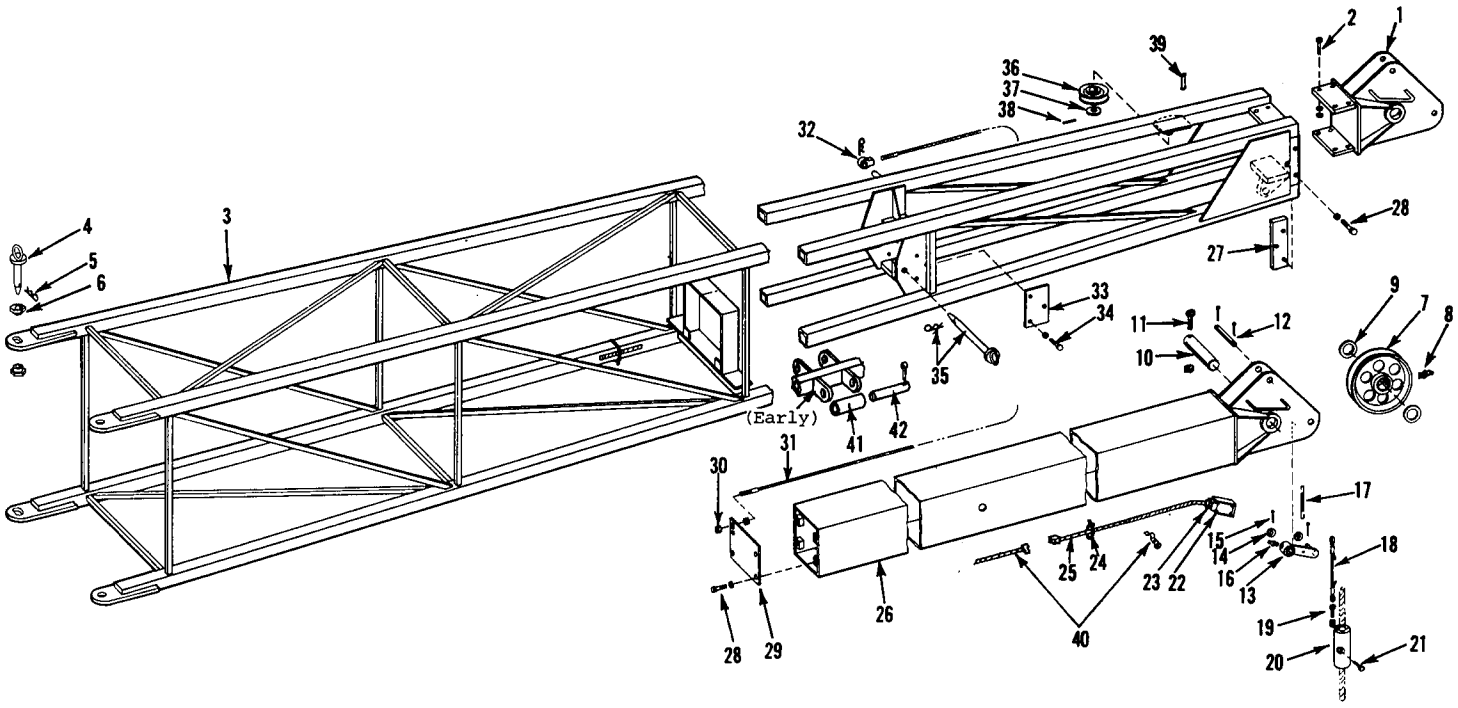
REF.	PART NO.	DESCRIPTION	QTY.
	707 8007	Cylinder, complete.....	2
	204521	Kit, Seal..... (Includes Items 1,2,3,4,11, 12,13,14,16,17,19,20 & external valve seals)	2
1	27702	Ring, Wear.....	4
2	202224	Ring, Back-Up.....	4
3	202223	Ring, "O".....	2
4	27700	Seal Ass'y.....	1
5	204522	Piston.....	1
6	201753	Setscrew, Socket.....	2
7	204523	Barrel Ass'y.....	1
8	204524	Inner Tube Ass'y.....	1
9	204525	Rod Ass'y.....	1
10	204526	Spacer.....	1
11	204527	Ring, Wear.....	6
12	203247	Seal.....	1
13	27708	Ring, "O".....	1
14	27709	Ring, Back-Up.....	1
15	204528	Spacer.....	1
16	203248	Wiper.....	1
17	27713	Ring, "O".....	1
18	204529	Head.....	1
19	204530	Ring, "O".....	1
20	202241	Ring, Back-Up.....	1
21	202242	Washer.....	1
22	202243	Nut.....	1
23	202244	Screw, Adjusting.....	1
24	202232	Plug.....	1
25	202233	Plug.....	4
26	24458	Valve, Hold.....	1
	A25038	Kit, Seal (Hold Valve)....	1



REF.	PART NO.	PART NO.	DESCRIPTION	QTY.
	707 8001	707 8006	Cylinder..... (Incl. 1 thru 27 as applicable)	2
	201819	202933	Kit, Seal..... (Incl. 2,3,4,5,6,8,15,16, 17,19,20,21,22 as applicable)	2
1	201820	-	Plug, End.....	1
2	201821	-	Ring, "O".....	1
3	201822	-	Ring, Back-Up.....	1
4	201823	201823	Ring, Back-Up.....	2
5	201824	201824	Ring, "O".....	1
6	201510	201510	Seal Ass'y.....	1
7	201825	201825	Plug, Nylon.....	3
8	201509	201509	Ring, Wear.....	3
9	201826	201826	Setscrew, Socket.....	3
10	201827	201827	Piston.....	1
11	201828	201828	Case w/Bushing, Ref. 25.	1
12	201829	201829	Plug.....	4
13	201830	202930	Rod, Piston.....	1
14	203100	203100	Head.....Replaces.....	1
	203101	203101	Bearing...[201831].....	1
15	201516	201516	Ring, "O".....	1
16	201517	201517	Ring, Back-Up.....	1
17	201832	201832	Seal, Rod.....	1
18	201833	201833	Spacer, Packing.....	1
19	201188		Ring, "O".....	1
20	201189		Ring, Back-Up.....	1
21	201518	201518	Ring, "O".....	1
22	201835	201835	Wiper, Rod.....	1
23	201836	201836	Ring, Retainer.....	1
24	201837	201837	Setscrew, Socket.....	2
25	1217-240	1217-240	Bushing, Self-Aligning....	2
26	201838	202931	Rod End Ass'y..... (W/Bushing, Ref. 25)	1
27	-	202932	Shim.....	4

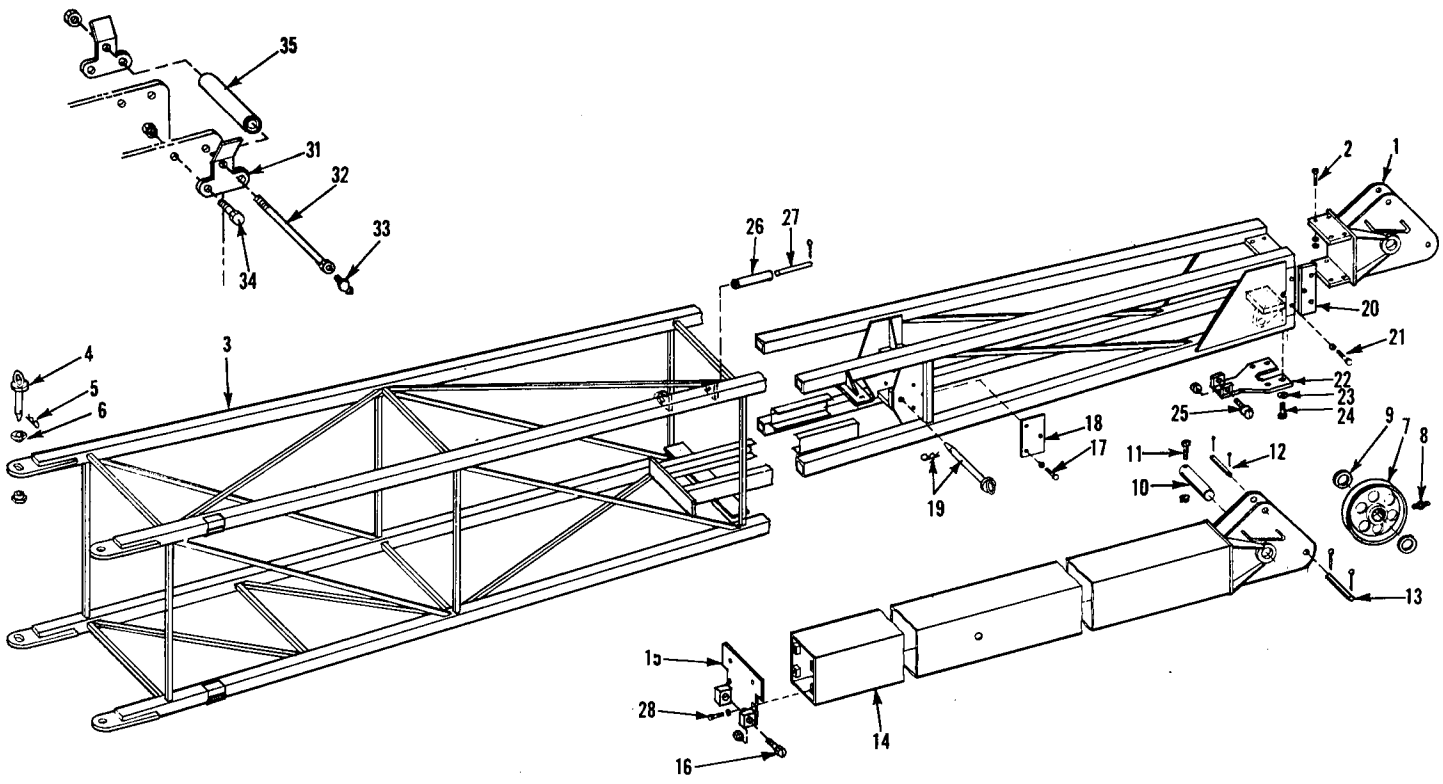
For Replacement of LH cylinder, order 12400-17 decal.

NOTE: Items 13 thru 25 & 40 are applicable to Two-Block Prevention System only.



REF.	PART NO.	DESCRIPTION	QTY.
	FOR REPLACEMENT OR CURRENT JIBS SEE PAGE 39A.2	32' Jib Assembly..... (Incl. 1 thru 25,41,42,43)	1
		32'-49' Jib Assembly... (Incl. Items 3 thru 43)	1
1	707F8562	Head, Stub.....	1
2	1200-104	Capscrew, 1/2C x 2.....	8
	1210-26	Washer, Lock, 1/2.....	8
	1205-58	Nut, 1/2C.....	8
3	A204355	Kit, Jib(Replaces 707F8456). (Includes Items 3,15,16,22 23,24,25,28 on Page 39A.2)	1
4	707F8530	Pin.....	4
5	1222-239	Cotter, Hair Pin.....	4
6	707 8913	Bushing, LH (2-1/4 OD)...	4
	707 8635	Bushing, (1-5/8 OD,Early).	4
7	A38933	Sheave w/Bearing.....	1
	1217-236	Bearing.....	1
8	1213-3	Zerk, Grease.....	1
9	1209-52	Spacer.....	2
10	65344	Pin.....	1
11	1200-79	Capscrew, 3/8C x 3-1/2.	1
	1205-45	Nut, 3/8C Elastic.....	1
12	38490	Pin.....	2
	1222-239	Cotter, Hair Pin.....	4
13	707F6444	Bellcrank.....	1
	707 6745	Bushing (Wire Rope)....	1
14	1208-2	Bushing, Machinery.....	3
15	1207-5	Pin, Cotter.....	2
16	1213-8	Zerk, Grease, 1/4F 90°...	1
17	37141	Spring.....	1
18	12210-30	Rope, Wire.....	1
	1222-247	Sleeve.....	2
19	707 8693	Bolt, Eye.....	1
	1205-5	Nut, #10.....	2
20	707 6708	Block, Split.....	1

REF.	PART NO.	DESCRIPTION	QTY.
21	1200-99	Capscrew, 1/2F x 1-1/4.	1
22	1223-477	Switch, Micro.....	1
23	1223-535	Connector.....	1
24	1222-184	Wrap, Tie.....	10
25	707 8692	Harness (32' Jib).....	1
	707 8689	Harness (32'-49' Jib)..	1
26	707F8514	Stinger.....	1
27	707 8524	Plate.....	2
	707 8789	Shim, 11 Ga.....As Req'd.	
	707 8790	Shim, 16 Ga.....As Req'd.	
28	1200-59	Capscrew, 3/8C x 1.....	10
	1210-20	Washer, Lock, 3/8.....	10
29	707 8526	Plate.....	1
30	1205-61	Nut, 1/2C Jam.....	2
31	707A8532	Cable Ass'y.....	1
32	707 8533	Eye.....	1
	1222-239	Cotter, Hair Pin.....	1
33	707 8525	Plate.....	2
	707 8788	Shim, 16 Ga.....	4
34	1200-65	Capscrew, 3/8C x 1-3/4.	6
	1210-20	Washer, Lock, 3/8.....	6
35	707F8527	Pin.....	1
	1222-239	Cotter, Hair Pin.....	1
36	A35503-1	Sheave w/Bushing.....	1
	1214-63	Bushing.....	1
37	1208-6	Bushing, Machinery.....	1
38	1227-186	Pin, Roll.....	1
39	1227-290	Pin, Roll.....	1
40	707 8687	Harness.....	1
	1240-115	Clip.....	3
41	707A8938	Roller w/Bushing.....	1
	1214-122	Bushing.....	2
42	707 8776	Shaft.....	1
	1207-6	Pin, Cotter.....	1
43		Storage Ass'y(Page 39A.4)	1

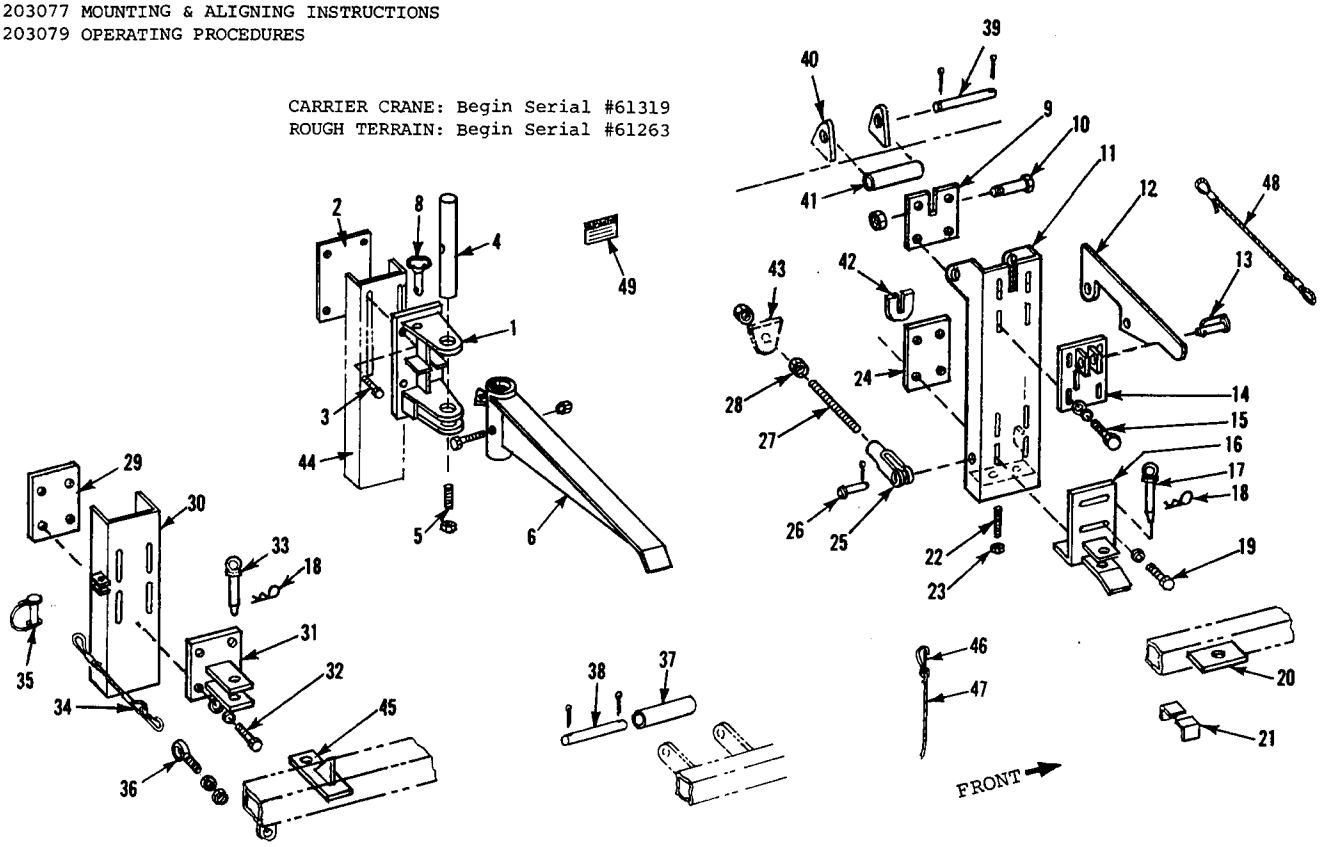


REF	PART NO.	DESCRIPTION	QTY.
	707A8697	32' Jib Assembly..... (Incl. 1 thru 12,26 thru 35)	1
	707A8698	32'-49' Jib Assembly... (Includes Items 3 thru 35)	1
1	708F0291	Head, Stub.....	1
2	1200-104	Capscrew, 1/2C x 2.....	8
	1210-26	Washer, Lock, 1/2.....	8
	1205-58	Nut, 1/2C.....	8
3	708F0285	Jib.....	1
4	707F8530	Pin.....	4
5	1222-239	Cotter, Hair Pin.....	4
6	707 8913	Bushing, LH (2-1/4 OD)....	4
7	A38933	Sheave w/Bearing.....	1
	1217-236	Bearing.....	1
8	1213-3	Zerk, Grease.....	1
9	1209-79	Spacer.....	2
10	65344	Pin.....	1
11	1200-79	Capscrew, 3/8C x 3-1/2.	1
	1205-45	Nut, 3/8C Elastic.....	1
12	38490	Pin.....	1
	1222-239	Cotter, Hair Pin.....	2
13	708 0267	Pin.....	1
	1222-239	Cotter, Hair Pin.....	2
14	708F0289	Stinger.....	1
15	708F0253	Bracket.....	1
16	1217-349	Roller, Cam.....	2
	1213-11	Zerk, Grease.....	2
	1205-91	Nut, 5/8F Elastic.....	2
17	1200-59	Capscrew, 3/8C x 1.....	6
	1210-20	Washer, Lock, 3/8.....	6
18	707 8525	Plate.....	2
	707 8788	Shim, 16 ga.....	4

REF.	PART NO.	DESCRIPTION	QTY.
19	707F8527	Pin.....	1
	1222-239	Cotter, Hair Pin.....	1
20	707 8524	Plate.....	2
	707 8789	Shim, 11 ga.....As Req'd.	
	707 8790	Shim, 16 ga.....As Req'd.	
21	1200-65	Capscrew, 3/8C x 1-3/4.	6
	1210-20	Washer, Lock, 3/8.....	6
22	708F0246	Plate.....	1
23	708 0260	Shim.....	12
24	1200-144	Capscrew, 5/8C x 1-1/2.	4
	1210-32	Washer, Lock, 5/8.....	4
25	1217-49	Roller, Cam.....	2
	1213-11	Zerk, Grease.....	2
	1205-55	Nut, 7/16F Self-Lock...	2
26	707A8938	Roller w/Bushing.....	1
	1214-122	Bushing.....	2
27	707 8776	Shaft.....	1
	1207-6	Pin, Cotter.....	1
28	1200-61	Capscrew, 3/8C x 1-1/4.	4
	1210-20	Washer, Lock, 3/8.....	4
	1209-4	Washer, Plain, 3/8.....	4
29	707A8969	Storage Ass'y (Page 39A.3).	1
30	708A0282	Anti-Two Ass'y (Page 28.4A).	1
	A204765	Kit, Roller..... (Includes Items 31 thru 35)	1
31	708 0409	Bracket.....	2
32	708 0408	Bolt.....	1
	1205-91	Nut, 5/8F Elastic.....	1
33	1213-10	Zerk, Grease.....	1
34	1200-59	Capscrew, 3/8C x 1.....	4
	1205-45	Nut, 3/8C Elastic.....	4
35	708A2718	Roller w/Bearings.....	1
	1217-66	Bearing.....	2

203077 MOUNTING & ALIGNING INSTRUCTIONS
203079 OPERATING PROCEDURES

CARRIER CRANE: Begin Serial #61319
ROUGH TERRAIN: Begin Serial #61263

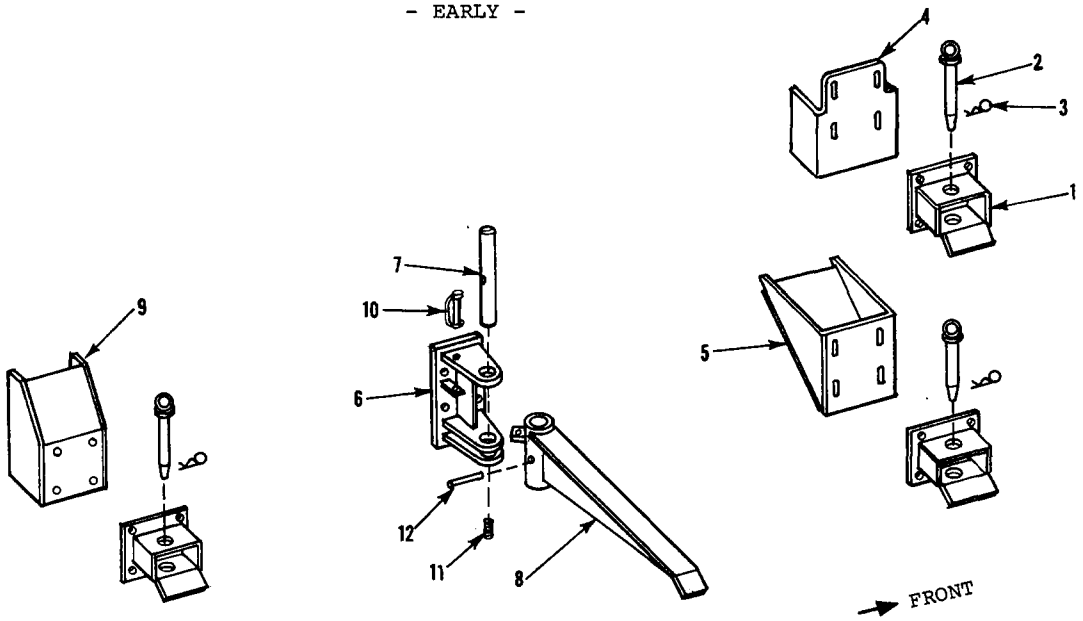


REF.	PART NO.	DESCRIPTION	QTY.
	707A8969	Jib Stowage Ass'y..... (Includes Items 1 thru 49 Except 30, 40 thru 44)	Opt.
1	707F8940	Bracket.....	1
2	707 8942	Plate.....	1
3	1200-63	Capscrew, 3/8C x 1-1/2.	4
	1210-20	Washer, Lock, 3/8.....	4
	1209-4	Washer, Plain, 3/8.....	4
4	707 8731	Pin.....	1
5	1206-22	Setscrew.....	1
	1205-58	Nut, 1/2C.....	1
6	707F8721	Arm.....	1
7	1200-69	Capscrew, 3/8C x 2-1/2.	1
	1205-43	Nut, 3/8C Elastic.....	1
8	1222-263	Pin, Hitch.....	1
9	707F8859	Bracket (Tapped).....	1
10	1203-186	Bolt, Shoulder.....	1
	1205-36	Nut, 3/8C.....	1
11	707F8945	Channel.....	1
12	707 8852	Arm.....	1
13	1222-274	Pin.....	2
14	707F8856	Bracket.....	1
15	1200-63	Capscrew, 3/8C x 1-1/2.	4
	1210-20	Washer, Lock, 3/8.....	4
	1209-4	Washer, Plain, 3/8.....	4
16	707F8948	Bracket.....	1
17	707F8820	Pin.....	1
18	1222-239	Cotter, Hair Pin.....	2
19	1200-63	Capscrew, 3/8C x 1-1/2.	4
	1210-20	Washer, Lock, 3/8.....	4
	1209-4	Washer, Plain, 3/8.....	4
20	707 8837	Ear, Jib.....	1
21	707 8864	Angle, Wear.....	4
22	707 8824	Stud.....	2
23	1205-80	Nut, 5/8C.....	4
24	707 8838	Plate (Tapped).....	1
25	2464	Yoke.....	1
26	2463	Pin.....	1
	1207-12	Pin, Cotter.....	1
27	707 8823	Stud.....	2
28	1205-59	Nut, 1/2F.....	4
29	707 8843	Plate (Tapped).....	1
30	707 8971	Channel.....	1
31	707F8844	Bracket.....	1
32	1200-63	Capscrew, 3/8C x 1-1/2.	4
	1210-20	Washer, Lock, 3/8.....	4
	1209-4	Washer, Plain.....	4
33	707F8820	Pin.....	1
34	707A8968	Cable, Tether.....	1
35	1222-274	Pin.....	1
36	707 8967	Eyebolt.....	1
	1209-2	Washer.....	2
	1205-17	Nut, 1/4 Jam.....	2
37	707A8938	Roller w/Bushings.....	1
	1214-122	Bushing.....	2
38	707 8776	Shaft.....	1
39	707 6866	Pin.....	1
	1207-6	Pin, Cotter.....	2
40	707 8947	Ear.....	2
41	707A8862	Roller w/Bushings.....	1
	1214-122	Bushing.....	2
42	707 8970	Ear.....	1
43	707 8944	Ear.....	1
44	707 8943	Channel.....	1
45	707F8840	Ear, Jib.....	1
46	1222-273	Snap, Swivel Eye.....	1
47	12178-144	Rope, Poly (12').....	1
48	12219-15	Rope, Wire (15").....	1
	1222-225	Sleeve.....	2
49	12260-884	Decal.....	1

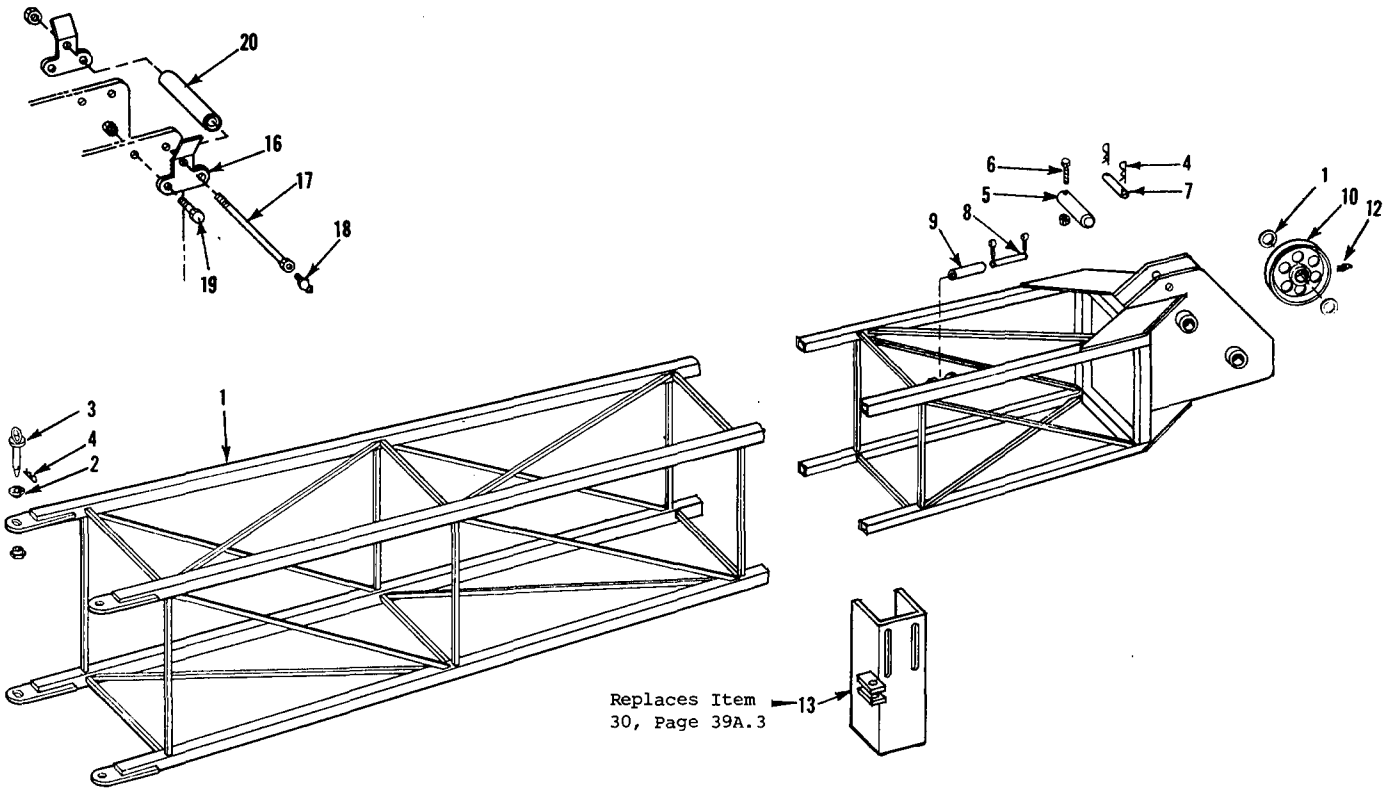
WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

202830 MOUNTING & ALIGNING PROCEDURE
202831 STOWAGE BRACKET ADJUSTMENT PROCEDURE

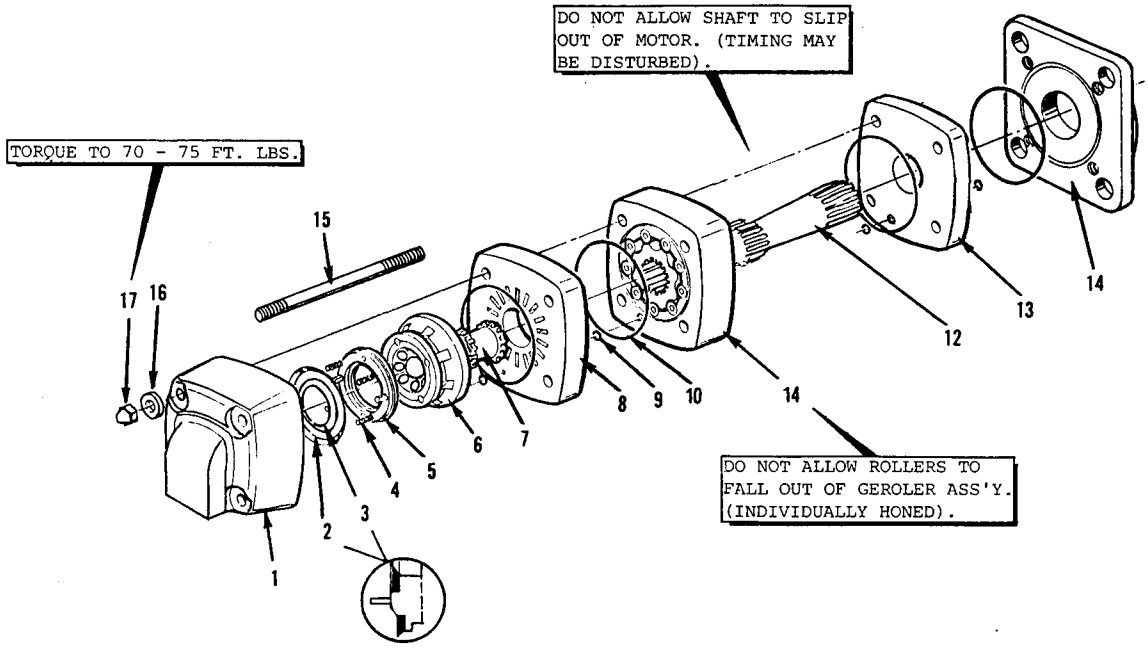
- EARLY -



REF.	PART NO.	DESCRIPTION	QTY.
	707A8733	Jib Stowage Ass'y..... (32' & 49' Jibs - Includes Items 1 thru 12)	1
1	707F8710	Bracket.....	3
2	707F8715	Pin.....	3
3	1222-239	Cotter, Hair Pin.....	3
4	707 8702	Channel.....	1
5	707F8706	Cover.....	1
6	707F8725	Bracket.....	1
7	707F8729	Pin.....	1
8	707F8721	Arm.....	1
9	707F8705	Cover.....	1
10	1222-263	Pin, Hitch.....	1
11	1206-22	Setscrew.....	1
12	1227-258	Pin, Roll, 1/4 x 1-3/4.	1
13	707 8760	Shim.....	3



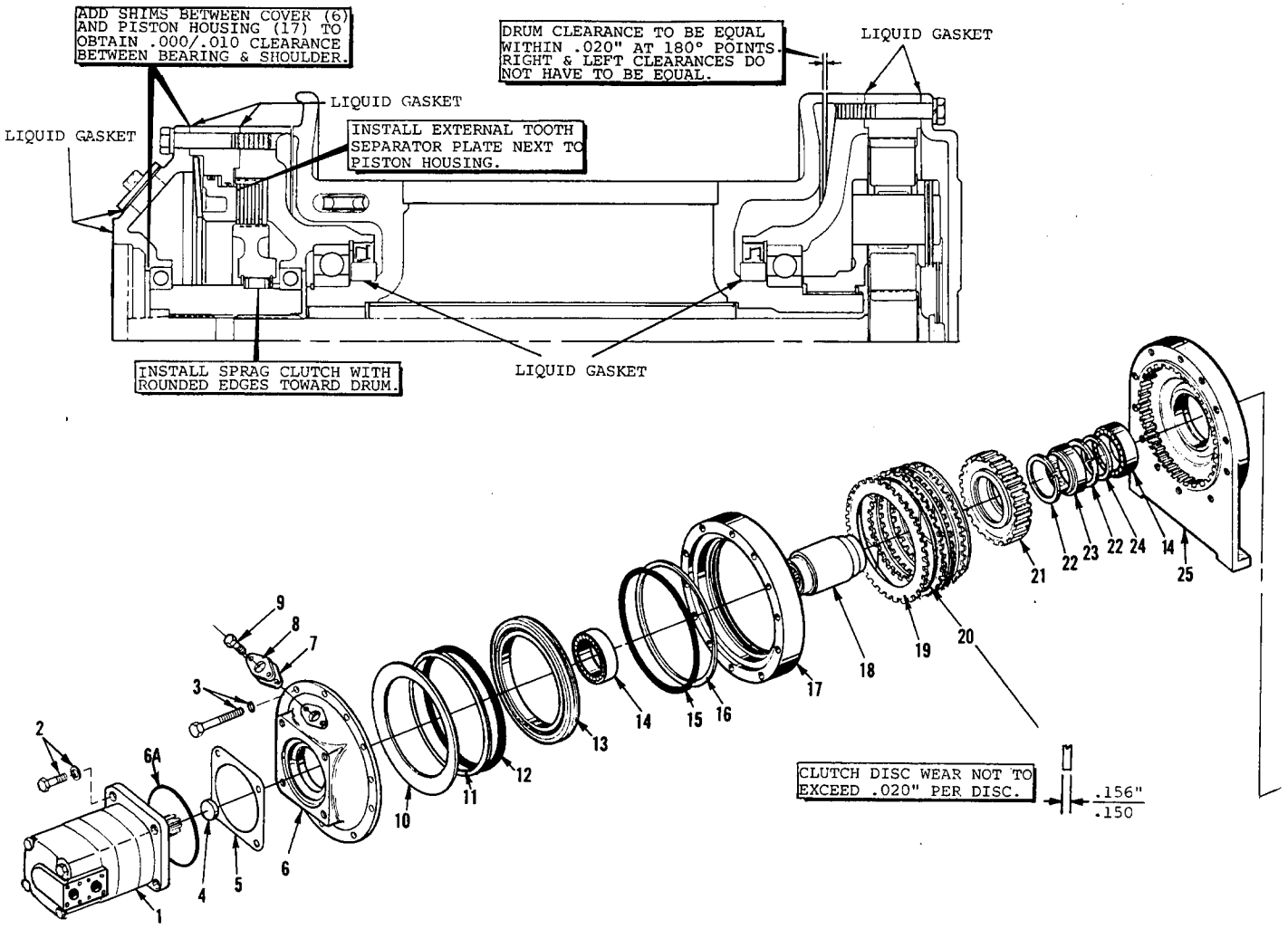
REF.	PART NO.	DESCRIPTION	QTY.
	708A0155	18-1/2' Jib Ass'y..... (Includes Items 1 thru 20)	Opt.
1	708F0142	Jib.....	1
2	707 8913	Bushing.....	4
3	707F8530	Pin.....	4
4	1222-239	Cotter, Hair Pin.....	10
5	65344	Pin.....	2
6	1200-79	Capscrew, 3/8C x 3-1/2.	2
	1205-45	Nut, 3/8C Elastic.....	2
7	708 0154	Pin.....	2
8	707 8776	Shaft.....	1
	1207-6	Pin, Cotter.....	2
9	707A8938	Roller w/Bushing.....	1
	1214-122	Bushing.....	2
10	A38933	Sheave w/Bearing.....	2
	1217-236	Bearing.....	2
11	1209-79	Spacer.....	4
12	1213-3	Zerk, Grease.....	2
	1219-4	Elbow.....	2
13	708F0156	Bracket.....	1
14	708A0282	Two-Block Ass'y..... (See Page 28.4A)	1
15		Storage Ass'y..... (See Page 39A.3)	1
	A204765	Kit, Roller..... (Includes Items 16 thru 20)	1
16	708 0409	Bracket.....	2
17	708 0408	Bolt.....	1
	1205-91	Nut, 5/8F Elastic.....	1
18	1213-10	Zerk, Grease.....	1
19	1200-59	Capscrew, 3/8C x 1.....	4
	1205-45	Nut, 3/8C Elastic.....	4
20	708A2718	Roller w/Bearings.....	1
	1217-66	Bearing.....	2



- APPLICATION -

	Motor
ROUGH TERRAIN CRANE	
MAIN WINCH (Prior Ser. #62052 exc. #61651, 61967)	707 8229
MAIN WINCH (Begin Ser. #62052 and #61651, 61967)	49405
AUX. WINCH (All)	49405
CARRIER CRANE	
MAIN WINCH (Prior Ser. #61977 exc. #61228, 61321)	707 8229
MAIN WINCH (Begin Ser. #61977 and #61223, 61321)	49405
AUX. WINCH (All)	49405

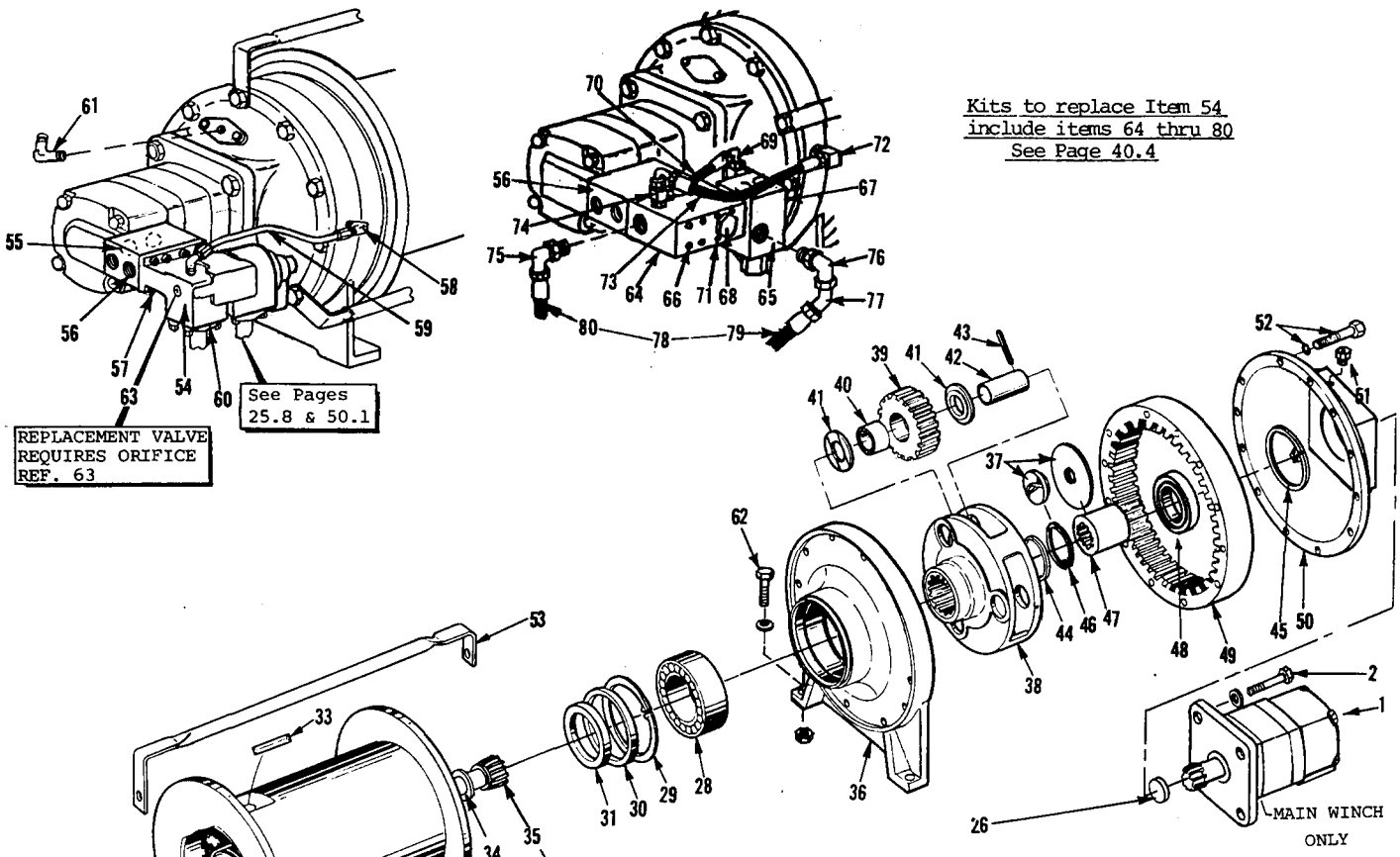
PART NO. STAMPED ON MOTOR	REF.	PART NO. 121-1019-001 20 Cu. In.	PART NO. 121-1001-001 28 Cu. In.	DESCRIPTION	QTY.
		707 8229	49405	Motor (Includes Items 1 thru 17)	See Application
		26319	26319	Kit, Seal (Includes Items 2,3,9,10)	1
	1	27945	27945	Housing	1
	2	26322	26322	Seal, Outer Face	1
	3	26323	26323	Seal, Inner Face	1
	4	26324	26324	Spring	1
	5	26325	26325	Balance Plate Ass'y	1
	6	27946	27946	Valve	1
	7	26327	26327	Drive, Valve	1
	8	27947	27947	Plate, Valve	1
	9	26329	26329	Ring, "O"	4
	10	26330	26330	Seal	4
	11	202200	27974	Geroler Ass'y	1
	12	202201	27973	Shaft, Output	1
	13	27949	27949	Plate, Wear	1
	14	27950	27950	Plate, Mounting	1
	15	202202	27951	Stud	4
		27954	27954	Ring, "O"	4
	16	27952	27952	Washer	4
	17	27953	27953	Nut	4



REF.	PART NO.	DESCRIPTION	QTY. MAIN	QTY. AUX.
	707A8810	Main Winch Ass'y.....	1	-
	707A8260	Auxiliary Winch Ass'y..	-	Opt.
		(The Above Assemblies Include Items 1 thru 52)		
	A26320	Kit, Seal..... (Includes Items 5,6, 7,11,12,15,16,30)	1	1
1		Motor (See Page 40.1)..	2	1
2	1200-186	Capscrew, 5/8C x 1-3/4.	8	4
	1208-8	Washer.....	8	4
3	1200-114	Capscrew, 1/2C x 3-1/4 ..	12	24
	6924	Gasket, Copper.....	12	24
4	49356	Spacer, Hub(.38 -0/+.02)..	1	1
5	41324	Shim.....	3	3
6	49133	Cover, End.....	1	1
	41321	Shim.....	3	3
6A	1218-258	Ring, "O".....	2	1
7	41575	Gasket.....	1	1
8	41331	Cover (Replaces 707 8782)...	1	1
9	1203-146	Capscrew, 3/8C x 1 nylok..	2	2
10	38755	Spring, Belleville.....	1	1
11	1218-151	Ring, Back-Up.....	1	1
12	1218-150	Ring, "O".....	1	1
13	41315	Piston, Annular.....	1	1

REF.	PART NO.	DESCRIPTION	QTY. MAIN	QTY. AUX.
14	1217-312	Bearing, Ball.....	2	2
15	1218-152	Ring, "O".....	1	1
16	1218-153	Ring, Back-Up.....	1	1
17	41317	Housing, Piston.....	1	1
	1219-38	Plug, 1/8 pipe.....	1	1
18	49355	Hub Ass'y.....	1	1
19	38757	Disc, Separator.....	4	4
20	38758	Disc, Clutch.....	4	4
21	38744	Race, Outer.....	1	1
22	1220-69	Ring, Retaining.....	2	2
23	41333	Clutch, Sprag.....	1	1
24	49136	Spacer.....	1	1
25	47902	Mount, Main Drive.....	1	1
26	707 8778	Spacer (.190 +.02/-0).....	1	-
27	1220-70	Ring, Retaining.....	1	1
28	1217-267	Bearing, Ball.....	2	2
29	1220-71	Ring, Retaining.....	2	2
30	1218-154	Seal, Lip.....	2	2
31	41325	Race, Seal.....	2	2
32	F47908	Drum (Main Winch).....	1	-
	F47915	Drum (Aux. Winch).....	-	1
33	B49411	Wedge (Main Winch).....	1	-
	B52661	Wedge (Aux. Winch).....	-	1
34	38754	Bushing.....	1	1
35	708 0284	Shaft (Main Winch)..... (Does Not Require Items 4 & 26, Replaces 707 8223)	1	-
	47914	Shaft (Aux. Winch).....	-	1

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED

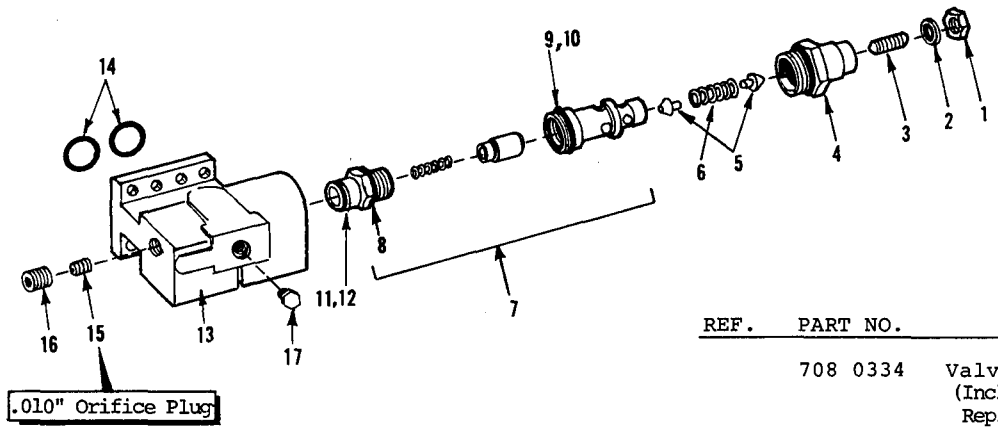


Kits to replace Item 54 include items 64 thru 80
See Page 40.4

REF.	PART NO.	DESCRIPTION	QTY. MAIN	QTY. AUX.
36	47904	Mount, Final Drive.....	1	1
37	36533	Bushing.....	-	1
	38756	Boss, Bushing Holder...	-	1
38	38759	Carrier, Planet.....	1	1
39	36519	Gear, Planet.....	3	3
40	1217-251	Bearing, Roller.....	3	3
41	36526	Bushing.....	6	6
42	36525	Shaft.....	3	3
43	1227-264	Pin, Roll.....	3	3
44	1220-79	Ring, Retaining.....	1	1
45	1220-102	Ring, Retaining (Main Winch).	1	-
	1220-73	Ring, Retaining (Aux. Winch).	-	1
46	1220-103	Ring, Retaining (Main Winch).	1	-
47	707 8225	Coupling (Main Winch)..	1	-
48	1217-344	Bearing (Main Winch)...	1	-
49	36516	Gear, Ring.....	1	1
50	707 8255	Cover, End (Main Winch)...	1	-
	41329	Cover, End (Aux. Winch)...	-	1
51	1219-21	Plug, 1/8" Pipe.....	2	2
52	1200-120	Capscrew, 1/2C x 4.....	12	Use Ref. 3
	6924	Gasket, Copper.....	12	
53	707 8779	Guard, Cable (Main Winch).	1	-
	47923	Guard, Cable (Aux. Winch).	-	1
54		Valve, Hold (See Page 40.4).	1	1
55	1218-115	Ring, "O".....	4	2
56	707 8254	Block.....	1	-
57	707 8252	Stud.....	8	-
	1205-45	Nut, 3/8C Elastic.....	8	-
	1203-138	Capscrew, 3/8C x 1-1/4 sock.	-	8
58	1219-351	Adapter.....	2	2

REF.	PART NO.	DESCRIPTION	QTY. MAIN	QTY. AUX.
59	707 8701	Tube (Main Winch).....	1	-
	41577	Tube (Aux. Winch).....	-	1
60	1219-665	Clamp, Split Flange....	8	4
	1218-103	Ring, "O".....	4	2
	1200-61	Capscrew, 3/8C x 1-1/4.	16	8
	1210-20	Washer, Lock.....	16	8
61	1219-776	Adapter.....	-	1
62	1200-340	Capscrew, 1-1/8C x 3.....	4	-
	1200-347	Capscrew, 1-1/8C x 4-1/2..	4	4
	1200-345	Capscrew, 1-1/8C x 4.....	-	As Req'd
	1210-57	Washer, Lock, 1-1/8....	4	4
	1205-160	Nut, 1-1/8C Elastic....Early Models		
63	707 8761	Orifice (.010).....	1	1
64	707 4614	Block.....	1	1
	1218-103	O-Ring.....	2	2
65	430 8416	Valve (See Page 40.4).....	1	1
66	1242-138	Capscrew, 3/8C x 9 Gr 8....	4	-
	1200-87	Capscrew, 3/8C x 5.....	-	4
	1210-20	Lockwasher.....	4	4
67	1200-333	Capscrew, 7/16C x 3-3/4...	4	4
	1210-23	Lockwasher.....	4	4
68	1219-569	Plug.....	1	1
69	12019-548	Elbow.....	1	1
70	707 4542-8	Hose.....	1	1
71	316 2363	Capscrew, 3/8C x 8-1/2 soc.	4	-
	316 2313	Capscrew, 3/8C x 4-1/2 soc.	-	4
72	12019-264	Elbow.....	1	1
73	707 4542-12	Hose.....	1	1
74	12019-427	Tee.....	1	1
75	12019-122	Elbow.....	1	1
76	1219-680	Elbow.....	1	1
77	1219-958	Elbow.....	1	-
78	709 5021-60	Hose.....	-	2
79	709 5346-40	Hose.....	1	-
80	709 5346-46	Hose.....	1	-

WHEN ORDERING PARTS, SPECIFY MODEL NUMBER, SERIAL NUMBER AND DESCRIPTION OF PART REQUIRED



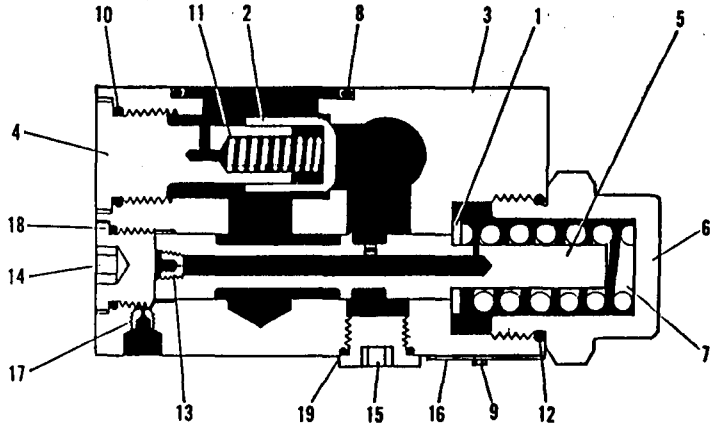
REF.	PART NO.	DESCRIPTION	QTY.
	708 0334	Valve, Hold..... (Includes Items 1 thru 17, Replaces 41980)	REF.
1	26561	Nut.....	1
2	26562	Seal, Thread.....	1
3	26563	Screw, Adjusting.....	1
4	26564	Plug.....	1
	202864	Ring, "O".....	1
5	26566	End, Spring.....	2
6	26567	Spring.....	1
7	202865	Piston & Poppet Ass'y..	1
8	1218-64	Ring, "O".....	1
9	202866	Ring, Back-Up.....	2
10	1218-115	Ring, "O".....	1
11	26574	Ring, "O".....	1
12	26575	Ring, Back-Up.....	1
13	202867	Body.....	1
14	1218-115	Ring, "O".....	2
15	707 8761	Plug (.010").....	1
16	202868	Plug.....	1
17	1219-763	Plug w/"O" ring.....	2
	1218-155	Ring, "O".....	2

708 0334 NO LONGER AVAILABLE

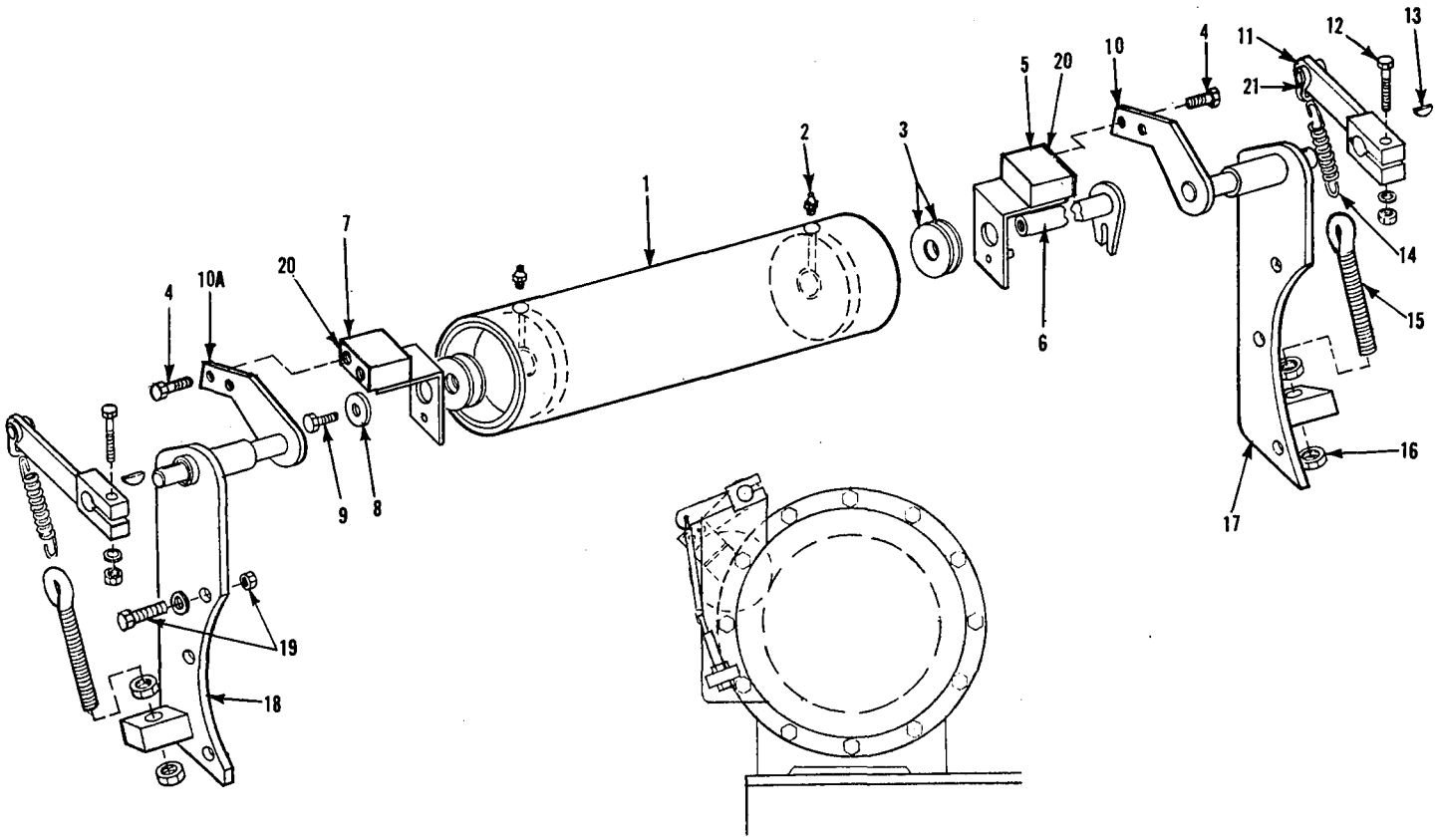
A208507 VALVE KIT - MAIN WINCH

A208512 VALVE KIT - AUX. WINCH

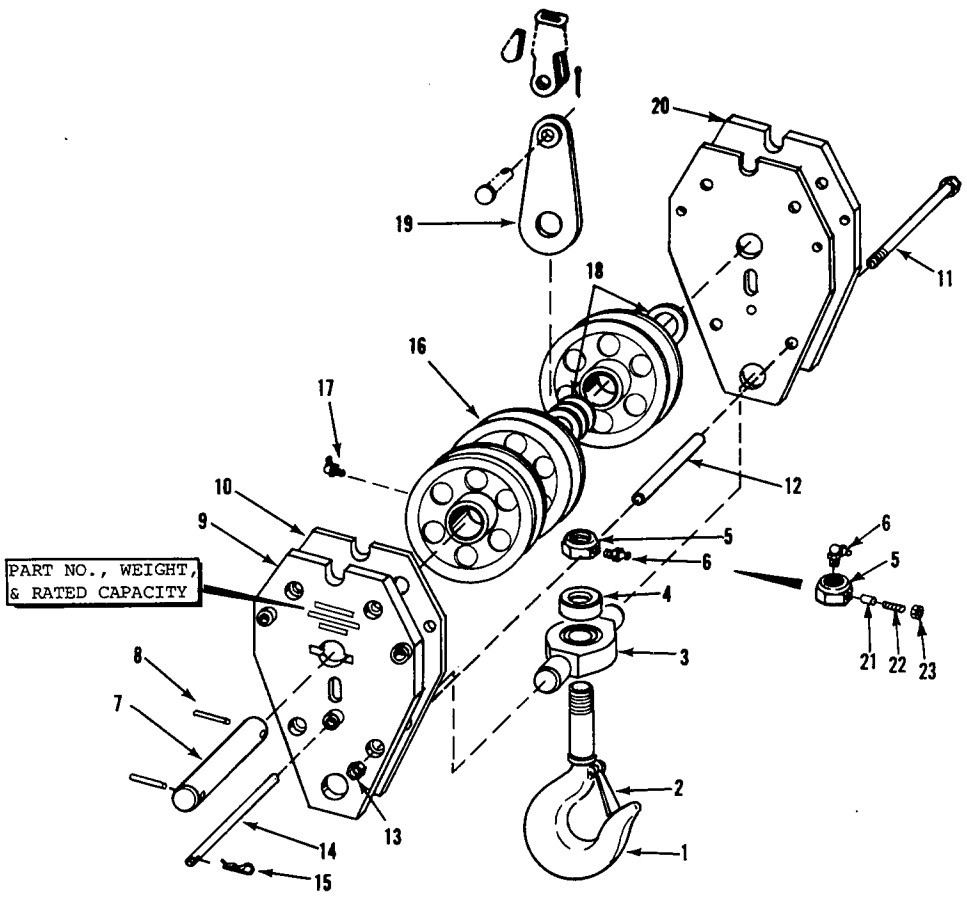
Includes 430 8416 valve below and items as shown on Pages 25.8B and 50.1



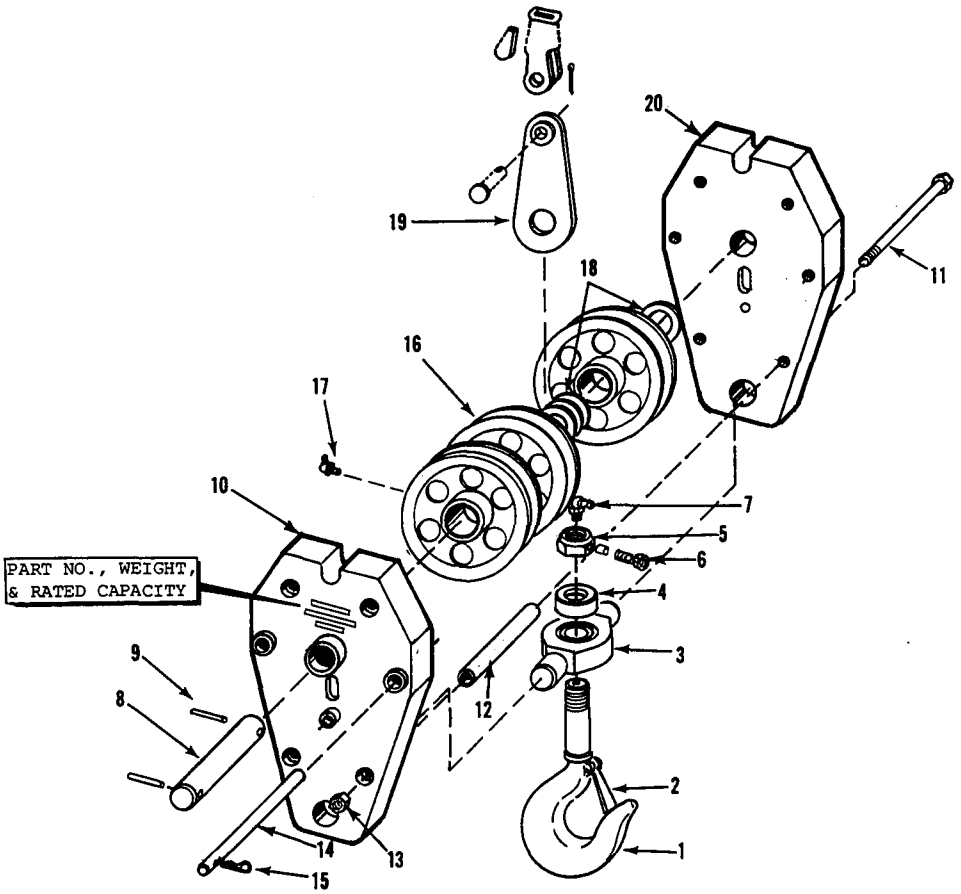
REF.	PART NO.	DESCRIPTION	QTY.
	430 8416	Valve..... (Includes Items 1 thru 19)	1
	208552	Kit, Seal.....	1
	208553	Kit, Repair (Incl. 1,7,11).	1
1	208554	Washer.....	1
2	26570	Poppet.....	1
3	NSS	Body.....	1
4	208555	Plug.....	1
5	208556	Spool.....	1
6	208557	Plug.....	1
7	208558	Spring.....	1
8	202302	O-Ring.....	1
9	NSS	Screw, Drive.....	2
10	1218-64	O-Ring.....	1
11	26571	Spring.....	1
12	1218-73	O-Ring.....	1
13	208559	Plug, Orifice.....	1
14	208560	Plug.....	1
15	200275	Plug.....	1
16	NSS	Nameplate.....	1
17	26577	Plug, Orifice.....	1
18	29303	O-Ring.....	1
19	26857	O-Ring.....	1



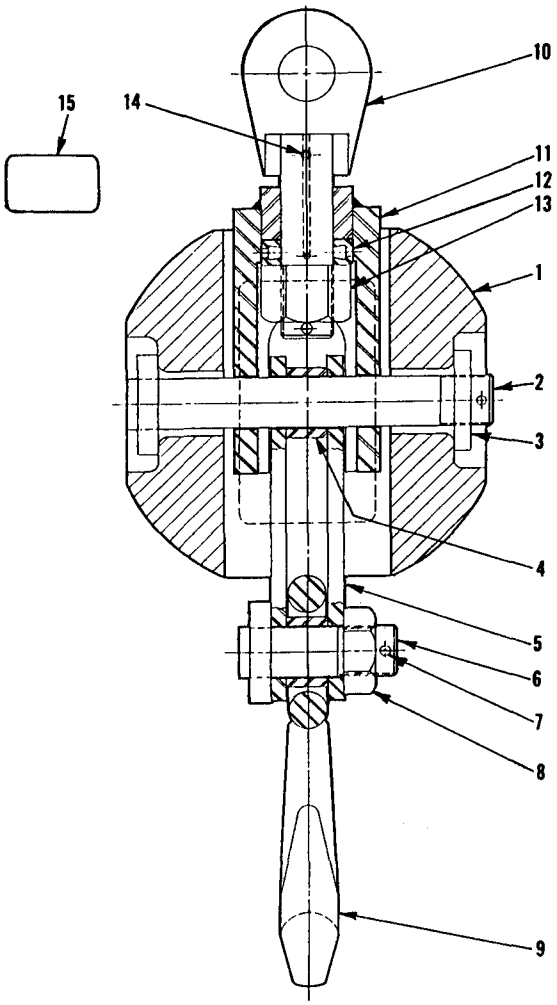
REF.	PART NO. MAIN	PART NO. AUXILIARY	DESCRIPTION	QTY.
	708A0096	708A0097	Winch Drum Roller Ass'y. (Includes Items 1 thru 19)	Opt.
1	708F0113	708F0113	Tube w/Bushings	1
	1214-128	1214-128	Bushing	2
2	1213-10	1213-10	Zerk, Grease	4
3	1208-19	1208-19	Bushing, Machinery	4
4	1200-59	1200-59	Capscrew, 3/8C x 1	4
5	708F0109	708F0109	Angle w/Pin	1
6	708F0108	708F0108	Shaft	1
7	708F0110	708F0110	Angle	1
8	1209-89	1209-89	Washer	1
9	1200-61	1200-61	Capscrew, 3/8C x 1-1/4.	1
10	708F0103	708F0121	Pin (RH Main, LH Aux.)	1
10A	708F0122	708F0102	Pin (LH Main, RH Aux.)	1
11	707F6960	707F6960	Bellcrank	2
12	1200-37	1200-37	Capscrew, 5/16C x 1-3/4.	2
	1210-17	1210-17	Washer, Lock, 5/16	2
	1205-25	1205-25	Nut, 5/16C	2
13	1232-6	1232-6	Key, Woodruff	2
14	707 6976	707 6976	Spring	2
15	708 0106	708 0106	Bolt, Eye	2
16	1205-58	1205-58	Nut, 1/2C	4
17	708F0118	708F0115	Plate (RH Main, LH Aux.)	1
18	708F0116	708F0117	Plate (LH Main, RH Aux.)	1
	1214-65	1214-65	Bushing, For Above Plates	
19	1209-9		Plainwasher, 3/4	6
		1200-120	Capscrew, 1/2C x 4	3
		708 0636	Boss	3
20	708 0637	708 0637	Shim	2
21	421 1099	421 1099	Shackle	2



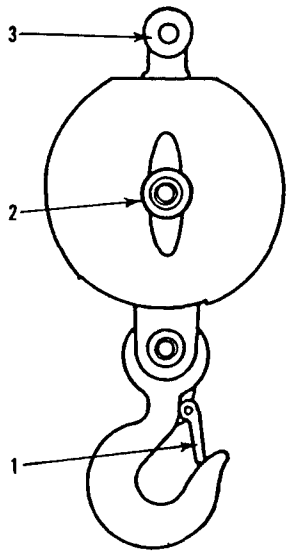
REF.	PART NO.				DESCRIPTION	QTY.
	3-SHEAVE (Single Plate)	3-SHEAVE	4-SHEAVE (Single Plate)	4-SHEAVE		
	707A8961	707A8207	707A8972	707A8551	Hook Block Ass'y.....	Opt.
	707A4965		707A4964		Hook Block Ass'y (Certified). (Includes Items 1 thru 23)	Opt.
1	708 0609	47455	708 0609	47455	Hook.....	1
	707 4966		707 4966		Hook (Certified).....	1
2	1234-17	1234-17	1234-17	1234-17	Latch, Safety.....	1
3	47445	47445	47463	47463	Trunnion.....	1
4	1217-314	1217-314	1217-314	1217-314	Bearing.....	1
5	708 0610	47451	708 0610	47451	Nut, 2-1/2-4.....	1
6	1213-6	1213-4	1213-6	1213-4	Fitting, Grease.....	1
7	707 8963	51047	707 8973	51304	Shaft.....	1
8	1227-402	1227-402	1227-402	1227-402	Pin, Roll, 1/2 x 3-1/2...	2
9	707F8964	707F8770	707F8964	707F8770	Plate.....	1
10	-	707 8209	-	707 8209	Plate.....	2
11	1235-371	1235-371	1235-365	1235-365	Capscrew.....	4
12	65570	65570	47462	47462	Tube.....	4
13	1205-100	1205-100	1205-100	1205-100	Nut, 3/4C Elastic.....	4
14	707 8213	707 8213	707 8584	707 8584	Pin.....	3
15	1222-239	1222-239	1222-239	1222-239	Cotter, Hair Pin.....	3
16	A51045	A51045	A51045	A51045	Sheave w/Bearing.....	3/4
	1217-164	1217-164	1217-164	1217-164	Bearing, only.....	3/4
17	1213-6	1213-16	1213-6	1213-16	Fitting, Grease.....	3/4
18	1209-62	1209-62	1209-62	1209-62	Spacer.....	4/6
19	707F8210	707F8210	707F8210	707F8210	Link, Dead-End.....	1
20	707 8962	707 8208	707 8962	707 8208	Plate.....	1
21	708 0392	-	708 0392	-	Plug.....	1
22	1206-17	-	1206-17	-	Setscrew.....	1
23	1205-61	-	1205-61	-	Nut, Jam.....	1



REF.	PART NO. 3-SHEAVE	PART NO. 4-SHEAVE	DESCRIPTION	QTY.
	708A0390	708A0391	Hook Block Ass'y.....	Opt.
		709A2343	Hook Block Ass'y(Certified) (Includes Items 1 thru 20)	Opt.
1	708 0389	708 0389	Hook.....	1
		709 2344	Hook (Certified)	1
2	1234-23	1234-23	Latch, Safety.....	1
3	708 0384	708 0385	Trunnion.....	1
4	1217-350	1217-350	Bearing.....	1
5	708 0388	708 0388	Nut.....	1
6	1206-17	1206-17	Setscrew.....	2
	1205-61	1205-61	Nut, Jam.....	2
	708 0392	708 0392	Plug, 3/8 x 1/2 Brass.....	2
7	1213-6	1213-6	Zerk, Grease.....	1
8	707 8963	707 8973	Shaft.....	1
9	1227-402	1227-402	Pin, Roll, 1/2 x 3-1/2 ...	1
10	708F0387	708F0387	Plate.....	1
11	1235-289	1235-372	Capscrew.....	4
12	65570	47462	Tube.....	4
13	1205-100	1205-100	Nut, 3/4C Elastic.....	4
14	707 8213	707 8584	Pin.....	3
15	1222-239	1222-239	Cotter, Hair Pin.....	3
16	A51045	A51045	Sheave w/Bearing.....	3/4
	1217-164	1217-164	Bearing only.....	3/4
17	1213-16	1213-16	Zerk, Grease.....	3/4
18	1209-62	1209-62	Spacer.....	4/6
19	707F8210	707F8210	Link, Dead-End.....	1
20	708 0386	708 0386	Plate.....	1



REF.	PART NO.	DESCRIPTION	QTY.
	706A8725	Overhaul Ball Ass'y.... (Includes Items 1 thru 15)	1
1	706B8902	Ball.....	1
2	706F8911	Bolt.....	1
3	706 8916	Nut.....	1
4	706 8903	Spacer.....	2
5	706 8904	Plate.....	2
6	706F8914	Bolt, Hook.....	1
7	1207-41	Pin, Cotter, 1/4x1-3/4..	3
8	1205-129	Nut, 1-1/4F Jam.....	1
9	1234-24	Hook.....	1
	1234-23	Latch, Hook.....	1
10	706F8908	Eyebolt.....	1
11	706F8905	Tube.....	1
12	1217-355	Bearing.....	1
13	1205-211	Nut, Esna.....	1
14	1213-7	Zerk, Grease.....	1
15	12400-2	Decal.....	1

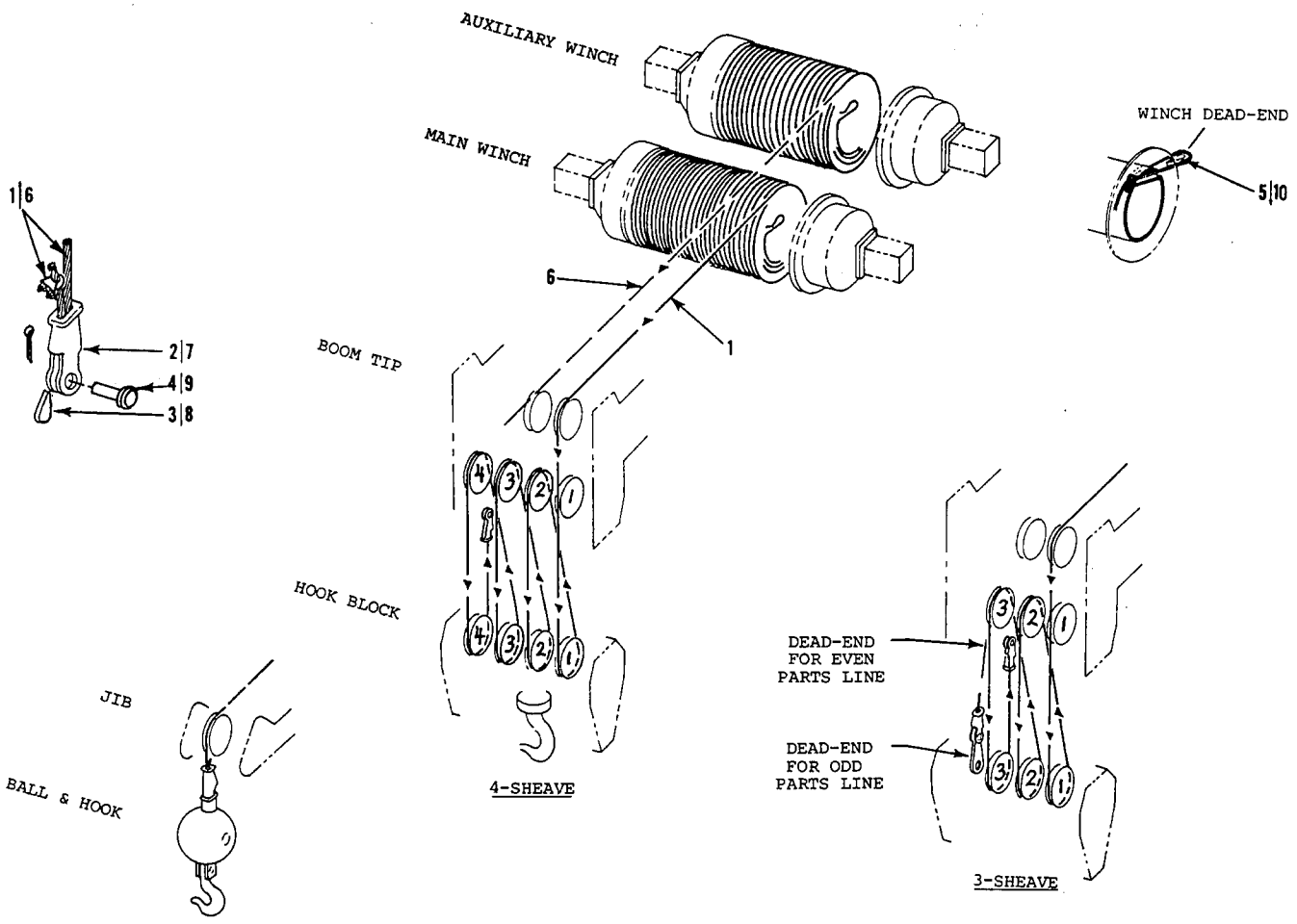


REF.	PART NO.	DESCRIPTION	QTY.
	707 6816	Overhaul Ball..... (Includes Items 1, 2, 3)	1
1	202894	Latch.....	1
2	202895	Pin & Nut.....	1
3	202896	Swivel.....	1

⚠ CAUTION

UNDER NO CONDITION CAN ANY OTHER SIZE, TYPE, OR LENGTH OF WIRE ROPE BE USED ON THIS EQUIPMENT SINCE IT CONSTITUTES A SAFETY HAZARD.

- WIRE ROPE -
MAIN WINCH 5/8" DIA. 6 x 19 I.W.R.C., I.P.S. PREFORMED WIRE ROPE
AUXILIARY WINCH 1/2" DIA. 6 x 19 I.W.R.C., I.P.S. PREFORMED WIRE ROPE



- NOTE -

THE WEDGE & SOCKET IN THE BALL & HOOK MUST NOT BE REMOVED AND USED IN ANY OTHER LOCATION ON MACHINE.

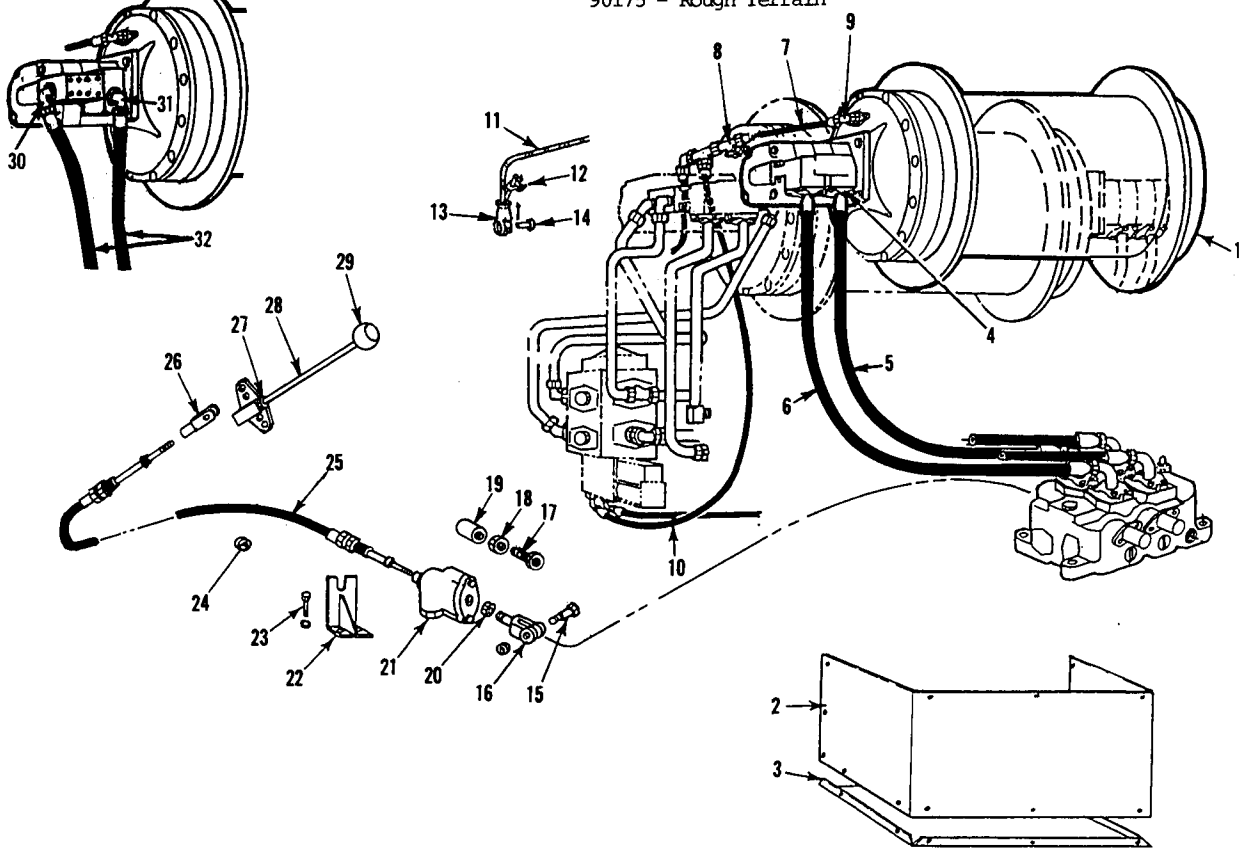
— REEVING —

PARTS OF LINE	1	2	3	4	5	6	7
BOOM HEAD	2	2-D	2-3	1-2-D	1-2-3	1-2-3-D	1-2-3-4
HOOK BLOCK	D	2	2-D	1-2	1-2-D	1-2-3	1-2-3-D

NOTE: SHEAVES IN BOOM HEAD AND HOOK BLOCK ARE NUMBERED FROM LEFT TO RIGHT AS VIEWED FROM OPERATOR'S STATION. "D" INDICATES PINNED END OF ROPE.

REF.	PART NO.	DESCRIPTION	QTY.
1	1280-500	Hoist Line (500')..... (Main Winch)	1
	1240-45	Clamp.....	1
2	1234-18	Socket, Cable.....	1
3	1234-19	Wedge.....	1
4	51039	Pin.....	1
	1207-42	Pin, Cotter.....	1
5	B49411	Wedge, Main Winch.....	1
6	1269-300	Hoist Line (300')..... (Auxiliary Winch)	1
	1222-32	Clamp.....	1
7	B4070	Socket, Cable.....	1
8	B17006	Wedge.....	1
9	17680	Pin.....	1
	1207-42	Pin, Cotter.....	1
10	B52661	Wedge, Auxiliary Winch.	1

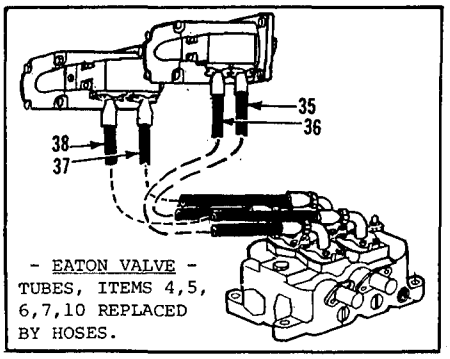
Begin Serial #
93155 - Carrier Crane
90175 - Rough Terrain



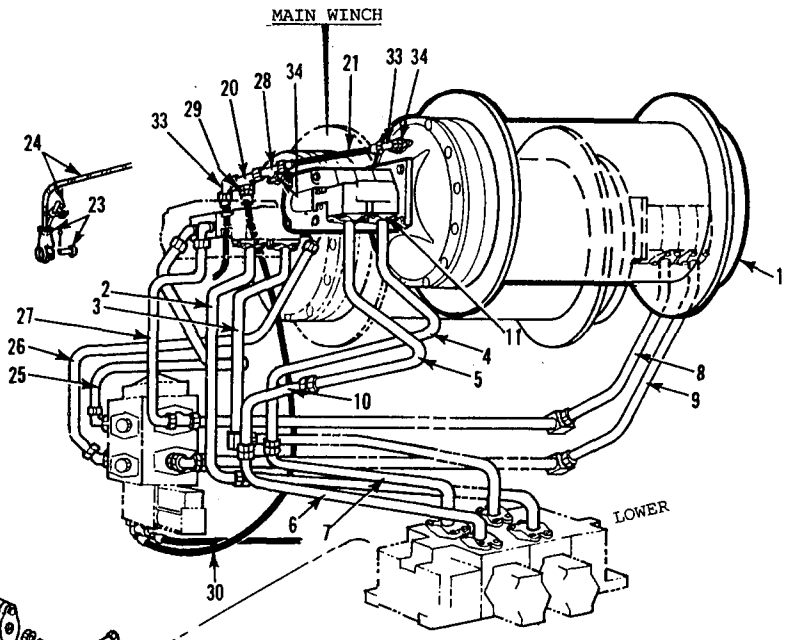
(Carrier Mounted Crane Only)

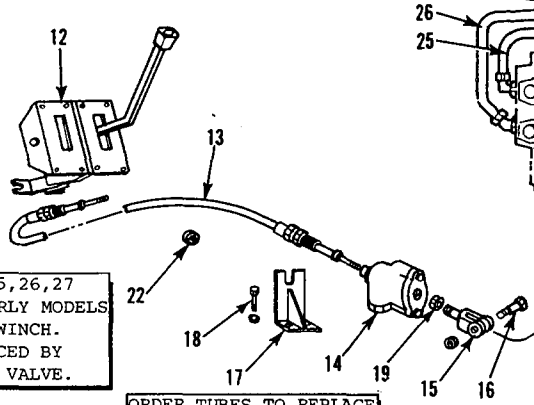
REF.	PART NO.	DESCRIPTION	QTY.
	708A0382	Winch & Hydraulics Ass'y.. (Includes Items 1 thru 14 & 53, 64 thru 80 Page 40.3)	1
	708A0522	Controls Ass'y..... (Includes Items 15 thru 29)	1
1		Winch (See Group 40)...	1
2	708 0352	Cover.....	1
3	708 0353	Cover.....	1
4	1219-665	Clamp, Split Flange....	4
	1218-103	Ring, "O".....	2
	1200-61	Capscrew, 3/8C x 1-1/4.	8
	1210-20	Washer, Lock.....	8
5	A202967	Hose Ass'y.....	1
6	A202968	Hose Ass'y.....	1
7	707A8993	Hose Ass'y.....	1
8	1219-800	Tee.....	1
9	1219-571	Adapter, 90°.....	1
10	707A8876	Hose Ass'y.....	1
11	1269-300	Cable (300').....	1
12	1222-32	Clamp.....	1
13	B4070	Socket, Cable.....	1
	B17006	Wedge.....	1

REF.	PART NO.	DESCRIPTION	QTY.
14	17680	Pin.....	1
	1207-42	Pin, Cotter.....	1
15	1203-186	Bolt, Shoulder.....	1
	1205-45	Nut, 3/8C Elastic.....	1
16	707 8106	Yoke.....	1
17	707 6868	Bolt.....	1
18	1205-205	Nut, 1/2C Jam.....	1
19	707 6869	Spacer.....	1
20	1205-26	Nut, 5/16F.....	1
21	See Page 28.4A	Disconnect.....	Opt.
22	707F8105	Bracket.....	1
23	1200-59	Capscrew, 3/8C x 1.....	2
	1210-20	Washer, Lock.....	2
24	1221-31	Grommet.....	2
25	1291-89	Cable.....	1
26	56773	Yoke.....	1
27	1205-58	Nut, 1/2C.....	2
28	708 2435	Rod.....	1
29	1221-103	Knob.....	1
	12260-763	Decal.....	1
30	12019-122	Elbow.....	1
31	1219-680	Elbow.....	1
32	709 5021-60	Hose.....	2



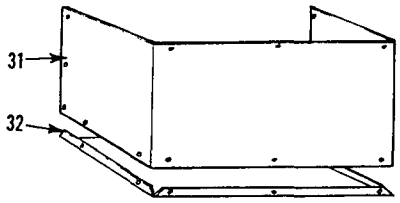
- EATON VALVE -
TUBES, ITEMS 4,5, 6,7,10 REPLACED BY HOSES.





ITEMS 2,3,8,9,25,26,27 REQUIRED FOR EARLY MODELS WITH REAR MAIN WINCH. ITEMS 2,3 REPLACED BY HOSES FOR EATON VALVE.

ORDER TUBES TO REPLACE HOSES ON EARLY MODELS. IDENTIFY BY LOCATION.

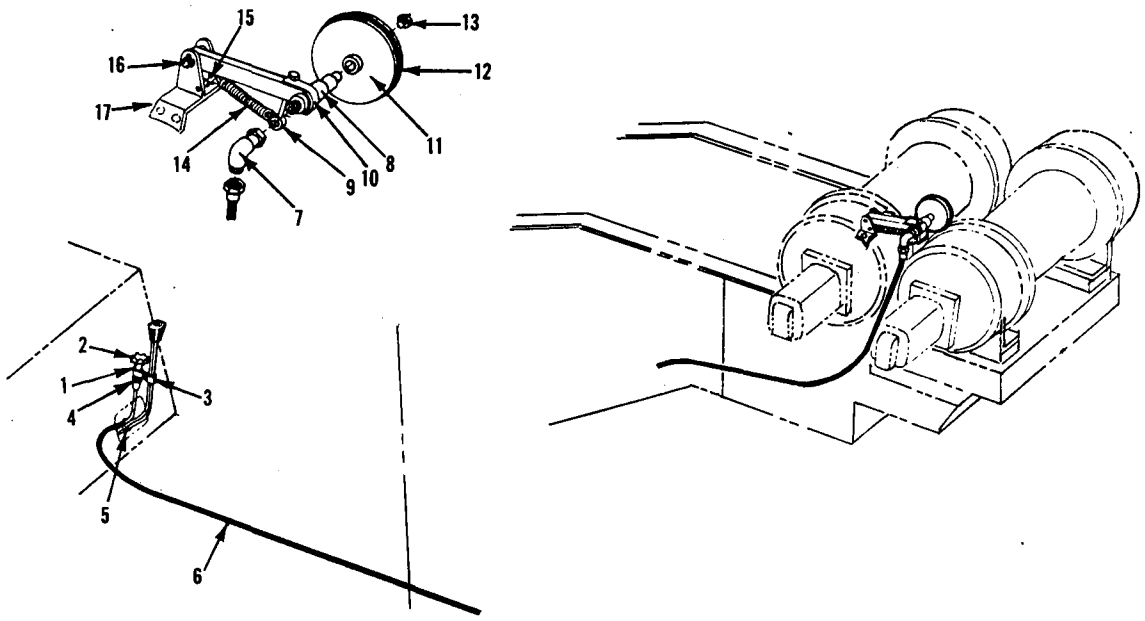


(Carrier Mounted Crane Only)

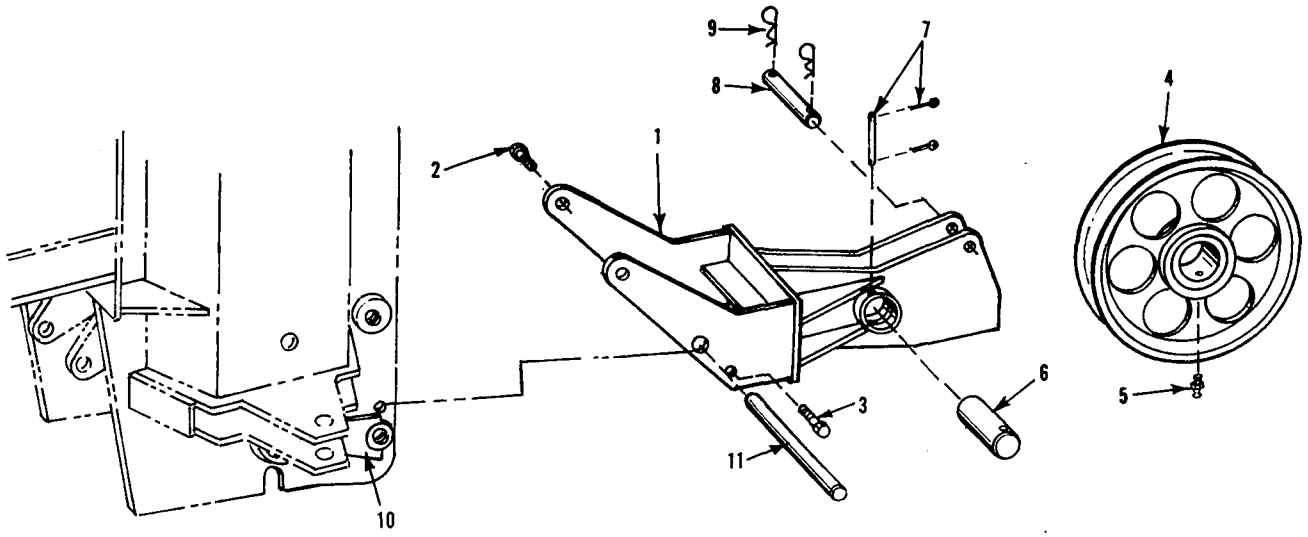
PART NO.		DESCRIPTION	QTY.
Carrier Crane	Rough Terrain	Assemblies Include 1 thru 38 and Items 53 thru 63 Page 40.3	
A204130	A204132	Aux. Winch Ass'y..... (For rear main winch & Commercial Valve)	Opt.
A204134	A204136	Aux. Winch Ass'y..... (For front main winch & Commercial Valve)	Opt.
707A8201	707A8953	Aux. Winch Ass'y..... (For front main winch & Eaton Valve)	Opt.

REF	PART NO.	DESCRIPTION	QTY.
1	707A8260	Winch (See Group 40).....	1
2	707 8604	Tube.....	1
3	707 8603	Tube.....	1
4	707 8204	Tube.....	1
5	707 8202	Tube.....	1
6	707 8066	Tube.....	1
7	707 8205	Tube.....	1
8	707 8067	Tube.....	1
9	707 8602	Tube.....	1
10	707 8203	Tube.....	1
11	1219-665	Clamp, Split Flange....	4
	1218-103	Ring, "O".....	2
	1200-61	Capscrew, 3/8C x 1-1/4.	8
	1210-20	Washer, Lock, 3/8.....	8
12	1291-92	Control Ass'y, Double..	1
	12260-763	Decal, Knob.....	1
13	1291-90	Cable.....	1
14	706A8049	Disconnect(See Page 28.4A).	1
15	707 8106	Yoke.....	1
16	1203-186	Bolt, Shoulder.....	1
	1205-45	Nut.....	1

REF.	PART NO.	DESCRIPTION	QTY.
17	707F8105	Bracket.....	1
18	1200-59	Capscrew, 3/8C x 1.....	2
	1210-20	Washer, Lock, 3/8.....	2
19	1205-26	Nut, 5/16F.....	1
20	1219-800	Tee.....	1
21	707A8993	Hose Ass'y (Repl.707A8877).	1
22	1221-31	Grommet.....	2
23	B4070	Socket.....	1
	B17006	Wedge.....	1
	17680	Pin.....	1
	1207-42	Pin, Cotter.....	1
24	1269-300	Wire Rope (300').....	1
	1222-32	Clamp, Rope.....	1
25	707 8791	Tube.....	1
26	707 8792	Tube.....	1
27	707 8793	Tube.....	1
28	12019-464	Tee.....	1
29	1219-853	Adapter.....	1
30	707A8876	Hose Ass'y.....	1
31	708 0352	Cover (Replaces 707 8606)..	1
32	708 0353	Cover (Replaces 707 8607)..	1
33	1219-571	Adapter, 90°.....	2
34	1219-446	Adapter w/"O" ring.....	2
	1218-34	Ring, "O".....	2
35	A202967	Hose Ass'y.....	1
36	A202968	Hose Ass'y.....	1
37	A202964	Hose Ass'y.....	1
38	A202965	Hose Ass'y.....	1



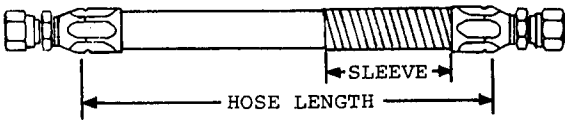
REF.	PART NO.	DESCRIPTION	QTY.
	707A8250	Indicator Assembly..... (For Rear Winch)	Opt.
	707A8251	Indicator Assembly..... (For Front Winch)	Opt.
		Above Assemblies Include Items 1 thru 17	
1	1253-13	Drive Ass'y.....	1
2	1221-37	Knob.....	1
3	1240-72	Clamp.....	1
4	1200-57	Capscrew, 3/8C x 3/4...	1
	1210-20	Washer, Lock, 3/8.....	1
	1205-36	Nut, 3/8C.....	1
5	1222-184	Wrap, Tie.....	2
6	1253-34	Cable (Rear Winch).....	1
	1253-32	Cable (Front Winch).....	1
7	1253-14	Adapter, Drive (90°)...	1
8	1253-13	Drive Ass'y.....	1
9	2228	Bolt, Eye.....	1
	1210-20	Washer, Lock, 3/8.....	1
	1209-4	Washer, Plain, 3/8.....	1
	1205-36	Nut, 3/8C.....	1
10	35995	Arm.....	1
11	35997	Wheel.....	1
12	1218-66	Ring, "O".....	1
13	1205-32	Nut, 5/16C Self-Lock...	1
14	35994	Spring.....	1
15	1227-186	Pin, Roll, 1/8 x 1-1/4.	1
16	35996	Pin.....	1
	1207-4	Pin, Cotter.....	2
17	F47925	Support.....	1



REF.	PART NO.	PART NO.	DESCRIPTION	QTY.
	-Early-	707A8586	Aux. Winch Sheave Ass'y. (Includes Items 1 thru 12)	1
1	707F8587	708F0305	Bracket	1
2	1200-142	1200-150	Capscrew	2
	1210-32	-	Washer, Lock	2
	-	1205-90	Nut, 5/8C Elastic	2
3	1200-186	1200-190	Capscrew	2
	1210-38	-	Washer, Lock	2
	1205-102	1205-102	Nut, 3/4C Elastic	2
4	A38933	A38933	Sheave w/Bearing	1
	1217-236	1217-236	Bearing	1
5	1213-3	1213-3	Zerk, Grease	1
6	65344	65344	Pin	1
7	65345	65345	Pin	1
	1207-4	1207-4	Pin, Cotter	2
8	707 8592	707 8592	Pin	2
9	1222-239	1222-239	Cotter, Hair Pin	2
10	707 8909	-	Ear	2
11	-	708 0312	Pin	1
12		706A8816	Two-Block Prevent Assy. (See Page 28.4A)	1

HOSE ASSEMBLY CROSS-REFERENCE

The following hose reference lists the hose and reusable fittings. Some hose assemblies require indexing of one fitting with respect to the opposite fitting so that alignment will be correct upon installation without twisting the hose. Note the position of the fittings before removal and maintain this position upon reassembly.



* Parker #
** McMaster Carr #

BANTAM NUMBER	HOSE LENGTH	HOSE Aeroquip #	END A Aeroquip #	END B Aeroquip #	SLEEVE Aeroquip #	SLEEVE LENGTH
A35448	14"	2781-4	4721-4-4s	4721-4-4s		
A47517	22"	2556-8	4797-8	4797-8		
A202651	18"	1503-10	4411-10s	4411-10s		
707A6312	15"	2781-8	190264-8	190287-8		
707A6313	4'"	2781-8	4721-8-8	190287-8		
707A6591	28"	FC207-6	401-6s	190302-6s		
707A6698	45"	2781-8	4721-8-8	190264-8		
707A6699	15"	2781-8	4721-8-8	190287-8		
707A8033	8.5"	1508-12	4730-12s	190470-12s		
707A8034	9"	1508-12	190470-12s	190490-12s		
707A8035	16"	1508-12	4730-12s	4730-12s		
707A8036	21"	1508-12	190470-12s	4730-12s		
707A8037	20.5"	1508-16	190470-16	4730-16s		
707A8038	37"	1508-12	190468-12s	4730-12s	900705-6	34"
707A8039	23"	1508-12	4730-12s	4730-12s	900705-6	12"
707A8040	36"	1508-12	190469-12s	Special 135°		
707A8041	36"	1508-12	190469-12s	Special 135°		
707A8042	38"	1508-16	4730-16s	Bantam #707F8171	900705-7s	10"
707A8043	49"	1503-20	411-20s	4779-24-20s	900705-7s	12"
707A8044	6.5"	1508-16	190468-16s	190468-16s		
707A8045	19"	1508-12	190470-12s	4730-12s		
707A8046	43"	1508-12	190469-12s	4730-12s		
707A8047	35"	1508-12	4730-12s	4730-12s		
707A8048	12"	1503-6	190261-6s	190261-6s		
707A8049	86"	1503-6	4411-6s	4411-6s	900705-12s	12"
707A8050	51"	1503-8	411-8s	411-8s		
707A8051	126"	1503-8	411-8s	411-8s	900952-12	104"
707A8177	10"	2556-4	4738-4-4B	4797-4B		
707A8273	220"	1508-12	190469-12s	Bantam #707 8231		
707A8276	9"	2781-10	190264-10s	190264-10s		
707A8277	13"	1508-12	190470-12s	190468-12s		
707A8278	10"	1508-12	190468-12s	4730-12s		
707A8601	12"	1508-16	4730-16s	479003-16		
707A8762	6.5"	1503-8	411-8s	411-8s		
707A9050	44"	2781-8	4721-8-8s	4721-8-8s		
707A9051	46"	2781-8	190264-8s	4721-8-8s		
707A9052	52"	2781-8	190264-8s	4721-8-8s		
707A9053	105"	2781-8	190264-8s	4721-8-8s		
707A9054	32"	1508-12	190469-12s	479003-12s		

BANTAM NUMBER	HOSE LENGTH	HOSE Aeroquip #	END A Aeroquip #	END B Aeroquip #	SLEEVE Aeroquip #	SLEEVE LENGTH
707A9055	156"	2781-8	4721-8-8s	4721-8-8s		
707A9056	80"	1503-12	411-12s	411-12s		
707A9057	156"	1503-10	411-10s	411-10s		
707A9058	108"	1503-10	411-10s	190296-10s		
707A9059	16.5"	2556-4	4797-4B	4797-4B		
707A9065	44"	1503-20	190261-20s	411-20s		
707A9066	12"	1503-20	190261-20s	411-20s		
707A9067	178"	1503-20	190261-20s	411-20s		
707A9068	152"	1508-16	190469-16s	191400-16-16		
707A9069	19"	1508-16	4730-16s	479003-16s		
707A9075	70"	1508-16	191400-24-16s	474403-16s		
707A9076	77"	1508-16	191400-16-16s	479003-24-16		
707A9077	30"	2781-8	4721-8-8s	190264-8s		
707A9078	120"	2781-8	190264-8s	190264-8s		
707A9079	72"	2781-8	190264-8s	4721-8-8s		
707A9080	22"	2781-8	190264-8s	4721-8-8s		
707A9081	25"	1503-8	411-8s	190296-8s		
707A9082	100"	1503-10	411-10s	190297-10s		
707A9083	48"	1503-10	411-10s	411-10s		
707A9084	45"	1503-20	411-20s	411-20s		
707A9085	10"	2781-8	4721-8-8s	190264-8		
707A9086	45"	2781-8	4721-8-8s	190264-8s		
707A9087	133"	2781-8	190264-8s	190264-8s		
707A9088	55"	2781-8	190264-8s	4721-8-8s		
707A9089	66"	2781-8	4721-8-8s	4721-8-8s		
707A9090	45"	1503-16	411-16s	411-16s	900952-12	43"
707A9091	30"	1503-16	190261-16s	190261-16s		
707A9092	42"	1503-12	190265-12s	190261-12s		
707A9093	31"	1503-12	190265-12s	190261-12s		
707A9094	63"	1503-12	411-12s	411-12s		
707A9095	88"	1503-12	190265-12s	190261-12s		
707A9096	24"	1503-8	411-8s	411-8s		
707A9098	36"	FC184-8	411-8s	190296-8s		
707A9099	132"	FC184-6	4411-62	4411-6s		
707A9100	86"	FC184-8	190296-8s	190296-8s		
707A9284	36"	2781-8	4721-8-8s	190264-8s		
707A9414	47"	FC184-08	401-8s	401-8s	900952-12	38"
707A9415	45"	FC184-06	401-6s	401-6s	900952-10	40"
707A9446	22.5"	1503-4	411-4s	190296-4s		
707A9447	7"	1503-4	190296-4s	411-4s		
707A9463	128"	*1/2-343	*1/2-8-20634-1	*1/2-8-20634-1	900952-12	30"
707A9464	61"	2781-8	4721-8-8s	4721-8-8s		
707A8807	37"	1503-12	411-12s	190261-12s		
707A8808	21"	1503-12	411-12s	411-12s		
707A8813	5"	2781-4	4721-6-4s	4721-6-4s		
707A8814	14"	1508-12	4730-12s	4730-12s		
707A8815	23"	1508-12	4730-12s	4730-12s		
707A8876	36"	2781-4	4721-6-4s	190264-4s		
707A8877	19"	2556-10	4797-8B	4797-8B		