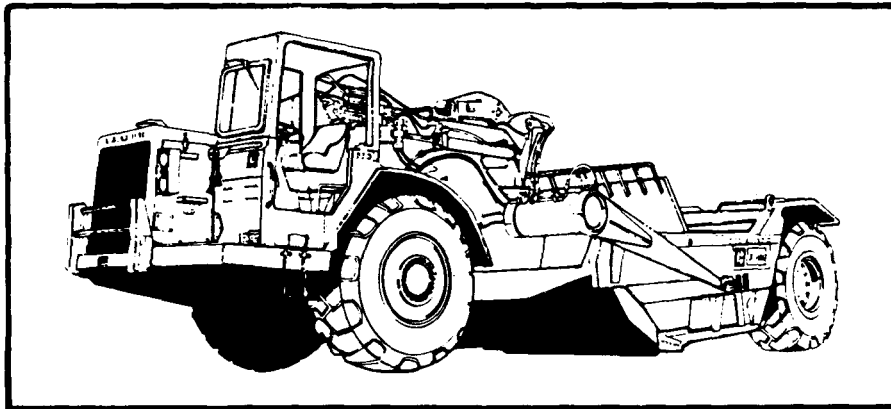


TECHNICAL MANUAL
FOR SCRAPER, EARTH MOVING, MOTORIZED
DIESEL ENGINE DRIVEN
NSN 3805-01-153-1854



REPAIR PARTS

HEADQUARTERS, DEPARTMENT OF THE ARMY
AUGUST 1985

TECHNICAL MANUAL
NO. 5-3805-248-14&P-4

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC 19 Aug 1985

TECHNICAL MANUAL
FOR
SCRAPER, EARTH MOVING, MOTORIZED
DIESEL ENGINE DRIVEN
NSN 3805-01-153-1854
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REPORTING OF ERRORS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms) or DA Form 20282 located in the back of this manual direct to: Commander, US Army Tank-Automotive Command, ATTN: AMSTAMPB, Warren, MI 483975000. A reply will be furnished direct to you.

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This technical manual is an authentication of the manufacturers commercial literature and does not conform with the format and content specified in AR 310-3, Military Publications. This technical manual does, however, contain available information that is essential to the operation and maintenance of the equipment.

MACHINE IDENTIFICATION

Caterpillar machines are identified with SERIAL NUMBERS. Serial numbers are assigned to the chassis and to the engine. The chassis and the engine also carry ARRANGEMENT NUMBERS and in some cases MODIFICATION NUMBERS. These numbers are shown on the serial number plates and on the master plate in the operator's compartment. For the location of the serial number plates, refer to the Specification Section at the back of this Parts Book. Caterpillar dealers need these numbers to determine which components were included on the machine when it was assembled at the factory. This permits accurate identification of replacement part numbers.

ORDERING PARTS

Quality Caterpillar Replacement parts are available from Caterpillar dealers throughout the world. Their parts stocks are up to date and include all parts normally required to protect your investment in Caterpillar machines. When ordering parts, your order should specify the quantity, part number, part name and the serial number, arrangement number and any modification numbers of the machine for which the parts are needed. If in doubt about the part number, please provide your dealer with a complete description of the needed item.

HOW TO USE THE PARTS BOOK

Caterpillar Parts Books include illustrations of the groups or assemblies which make up the machine. These illustrations show the standard components plus many of the attachments available for the machine.

The alphabetical index located in the front part of the book should be used to determine the page number on which specific illustrations are shown. Reference to those pages will identify each of the individual serviceable parts.

Captions

The caption under each illustration identifies the part number and name of the group or assembly shown. If more than one illustration is included for any group, the caption identifies the specific machine serial numbers to which each illustration applies. In some cases it is not possible to determine the specific machine serial numbers to which different illustrations are applicable. In those cases the caption identifies the illustration as "First Type", "Second Type", etc. Reference to the actual group or assembly is necessary in those cases to determine which illustration should be used.

Captions provide additional information such as page numbers where illustrations of sub assemblies are shown, information regarding quantities used and other information intended to assist the user in determining parts needs.

Indented Part Names

Within each illustration is a parts list identifying each serviceable part in the illustration. When a part name is indented in this list, it means that serviceable item is a part of the serviceable item under which it is indented.

Abbreviations and Symbols

- A Used to call attention to additional information shown elsewhere within the illustration.
 -
 - R.H. Right Hand Refers to the side of the machine as viewed from the operator's compartment.
 - L.H. Left Hand
 - C Indicates changes from the previous illustration of the same group or assembly.
 - O.D. Outside Diameter
 - I.D. Inside Diameter
 - N/S Not Serviced
 - Assem. Assembly
 - in. Inch
 - ft Foot
 - cm Centimeter
 - dm Decimeter
- Note: Continuing improvement and advancement of product design may cause changes to your machine which may not be included in this publication. Each publication is reviewed and revised, as required, to update and include these changes in later editions.

Whenever a question arises regarding your Caterpillar product, or this publication, please consult your Caterpillar dealer for the latest available information.

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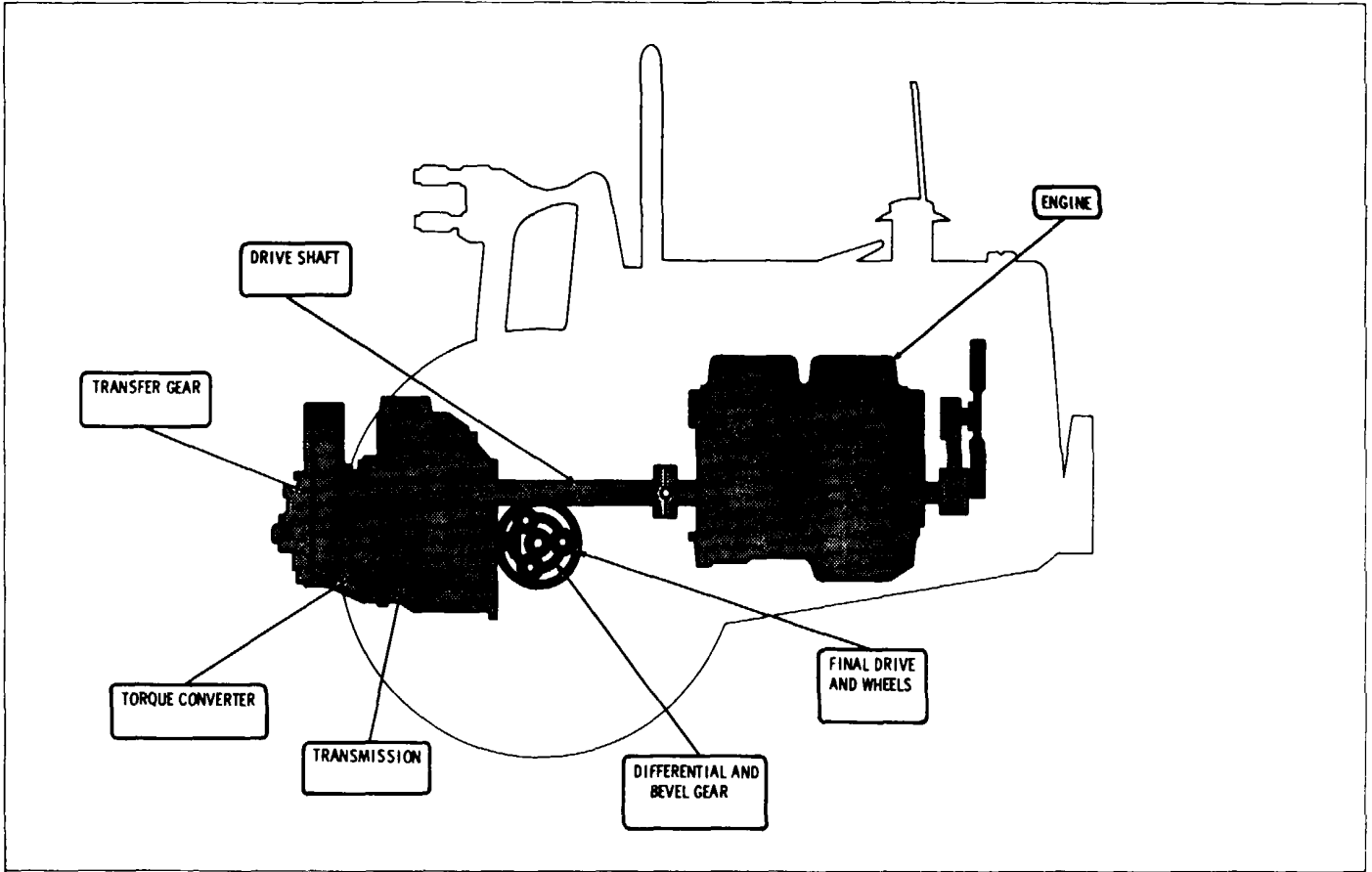
WARRANTY STATEMENT

The Caterpillar 621B Tractor-Scraper is warranted by Caterpillar Tractor Co. for 15 months or 1500 hours of operation, whichever occurs first. The warranty starts on the date found on the DA form 24089 in the log book. Report all defects in material or workmanship to your supervisor, who will take appropriate action through your organizational maintenance shop.

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REFERENCE GUIDE
TO MAJOR SECTIONS**

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CATERPILLAR 621B TRACTOR



POWER TRAIN ARRANGEMENT

POWER TRAIN ARRANGEMENT

CATERPILLAR 621B TRACTOR

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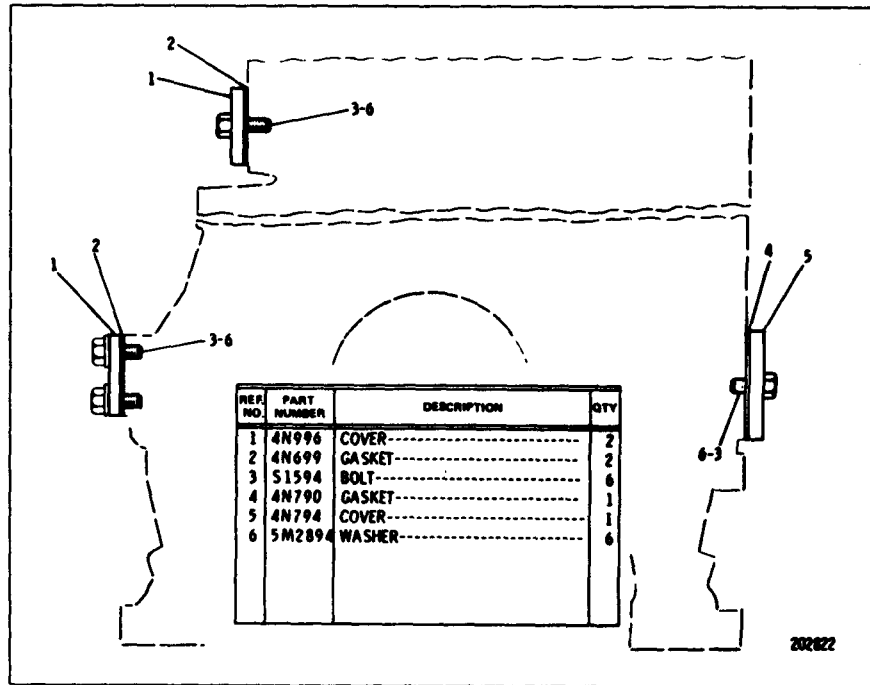
5R6706 ENGINE ARRANGEMENT-Part 1 of 2

NOTE: WHEN ORDERING PARTS GIVE ENGINE ARRANGEMENT

CATERPILLAR 621B TRACTOR

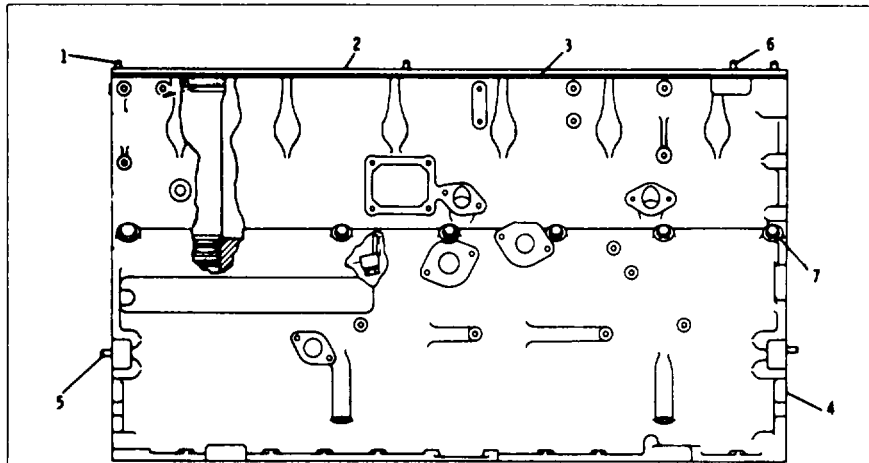
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NOTE: WHEN ORDERING PARTS GIVE ENGINE ARRANGEMENT			

BASIC ENGINE



9N664 CYLINDER BLOCK COVER GROUP

CATERPILLAR 621B TRACTOR

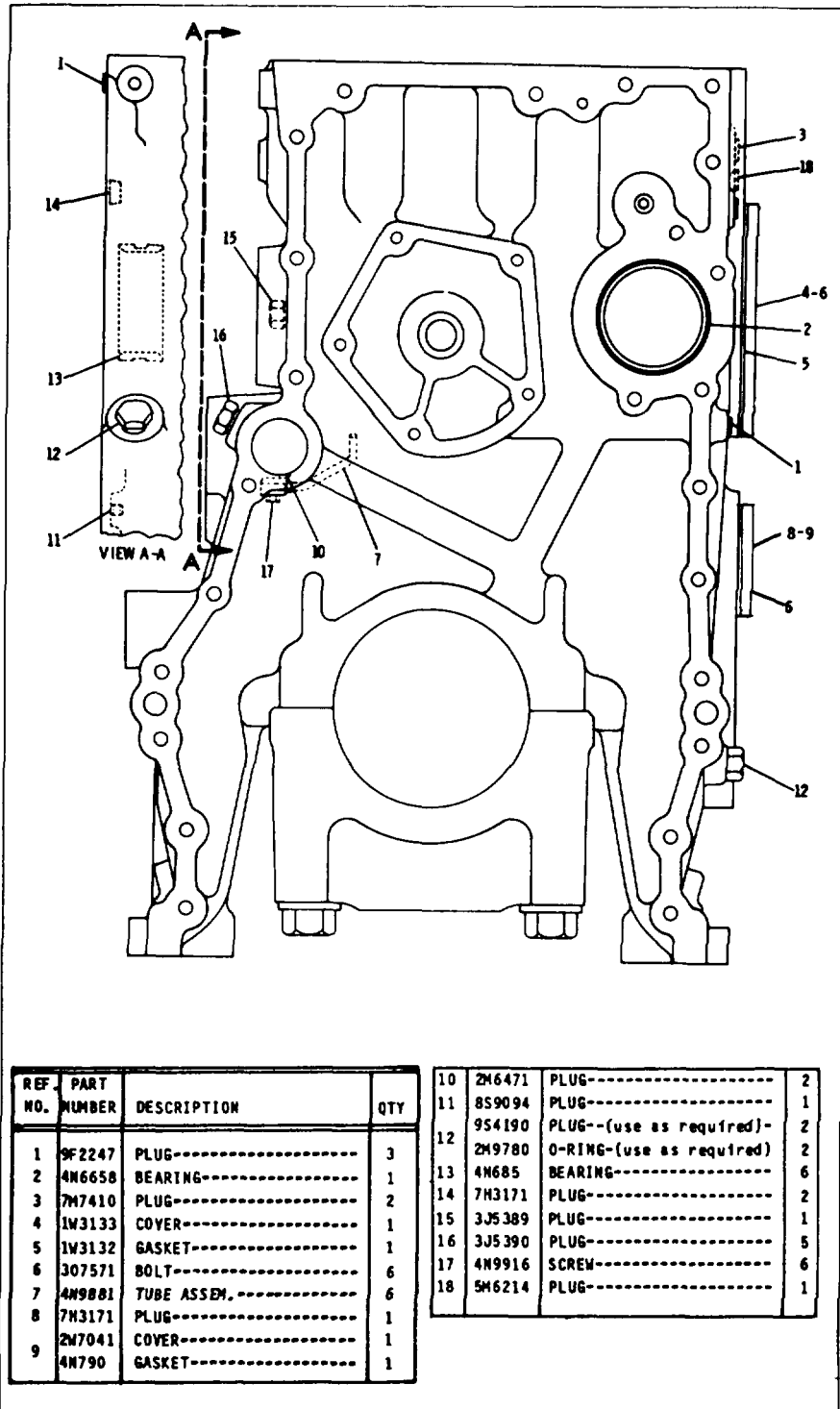


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N1650	DOWEL-----	2
2	7N1199	PLATE-----	1
3	7N625	GASKET-----	1
4	8N9266	CYLINDER BLOCK ASSEM.---	1
		CONSISTS OF:	
	9L5854	BAND-----	6
	1W6280	LINER-----	6
	8N9265	BLOCK-----	1
	6V5321	SEAL-----	18
	3P1323	BOLT-----	14
	9W1031	WASHER-----	14
	4N795	CAP-----	7

5	4N683	DOWEL-----	4
	1S9540	DOWEL-----	2
6	3S5496	SEAL-----	2
7	7M7410	PLUG-----	1

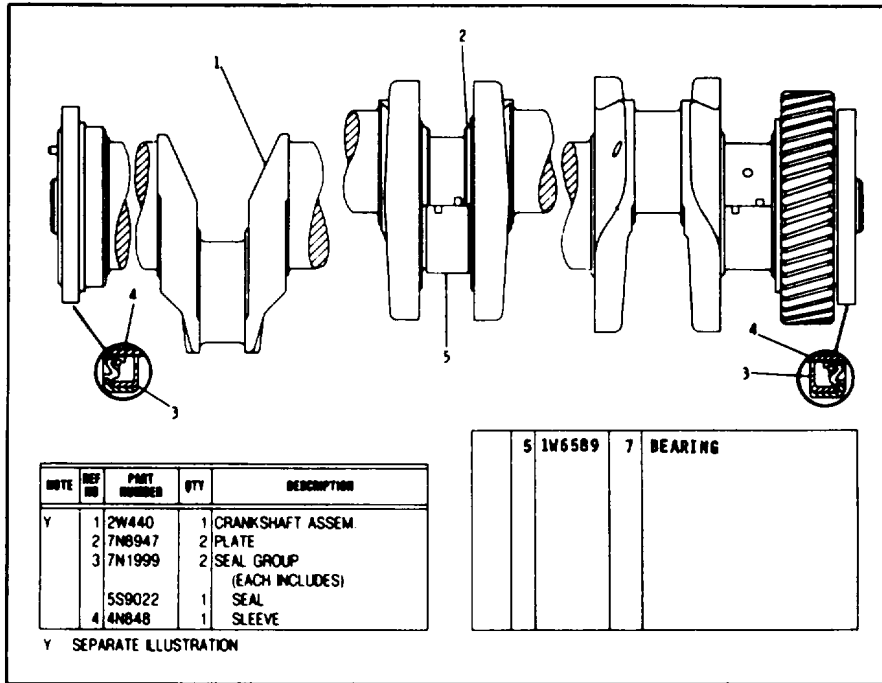
4N2257 CYLINDER BLOCK GROUP - Part 1 of 2

BASIC ENGINE



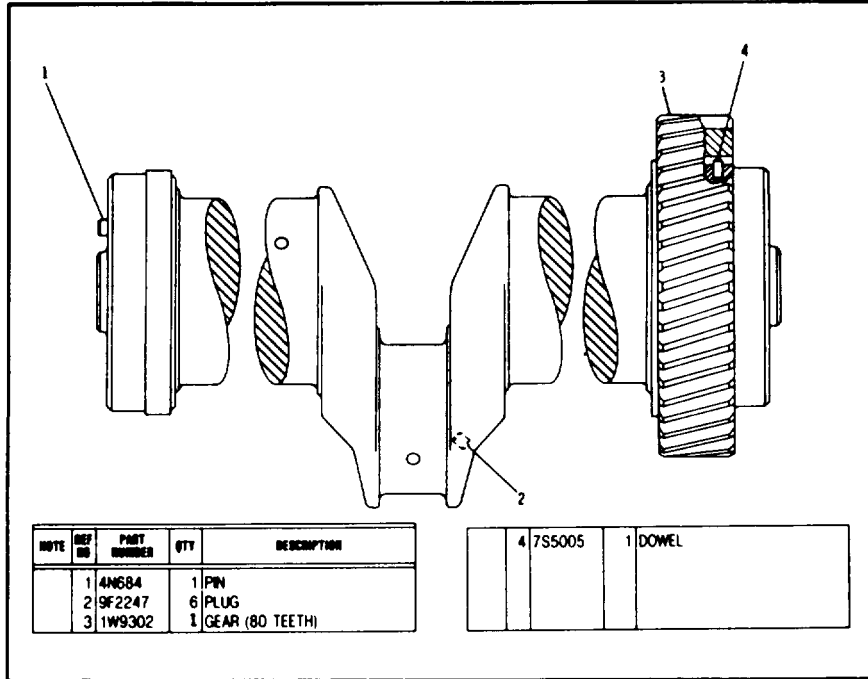
4N2257 CYLINDER BLOCK GROUP - Part 1 of 2

CATERPILLAR 621B TRACTOR



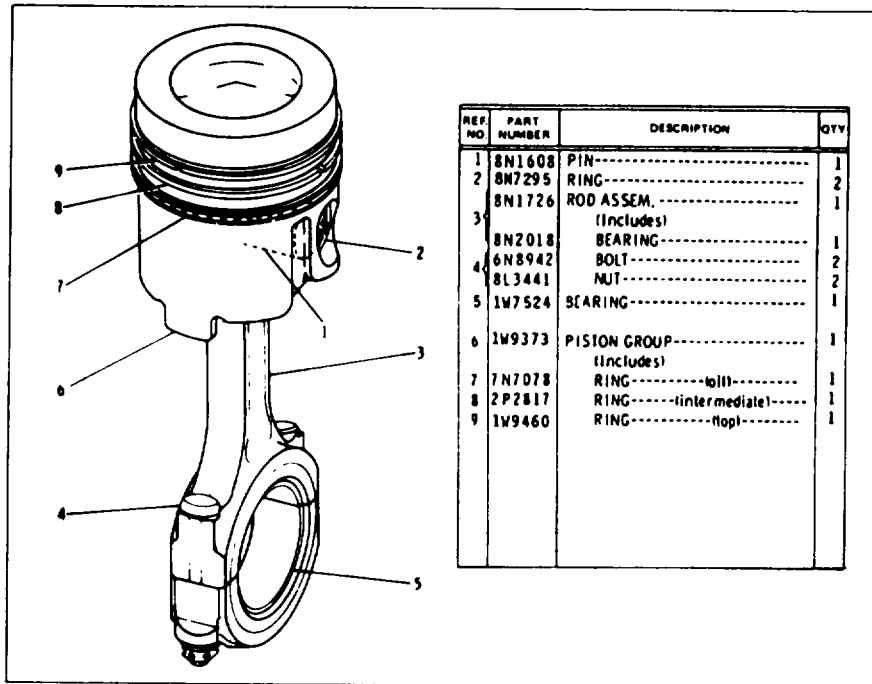
2W1732 CRANKSHAFT GROUP
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BASIC ENGINE



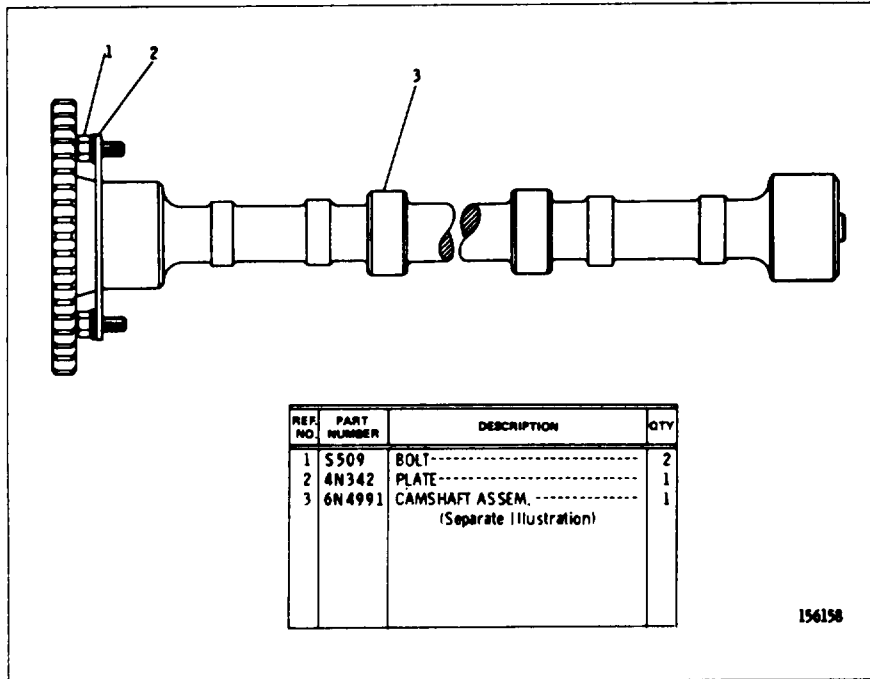
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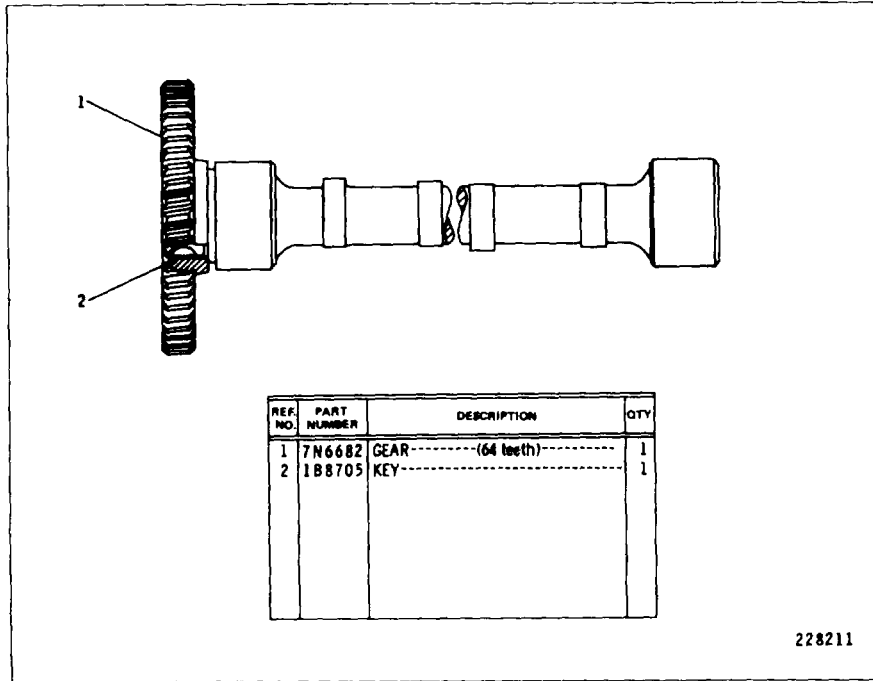
7N3518 CONNECTING ROD AND PISTON GROUP - 6 Required

BASIC ENGINE



6N4992 CAMSHAFT GROUP
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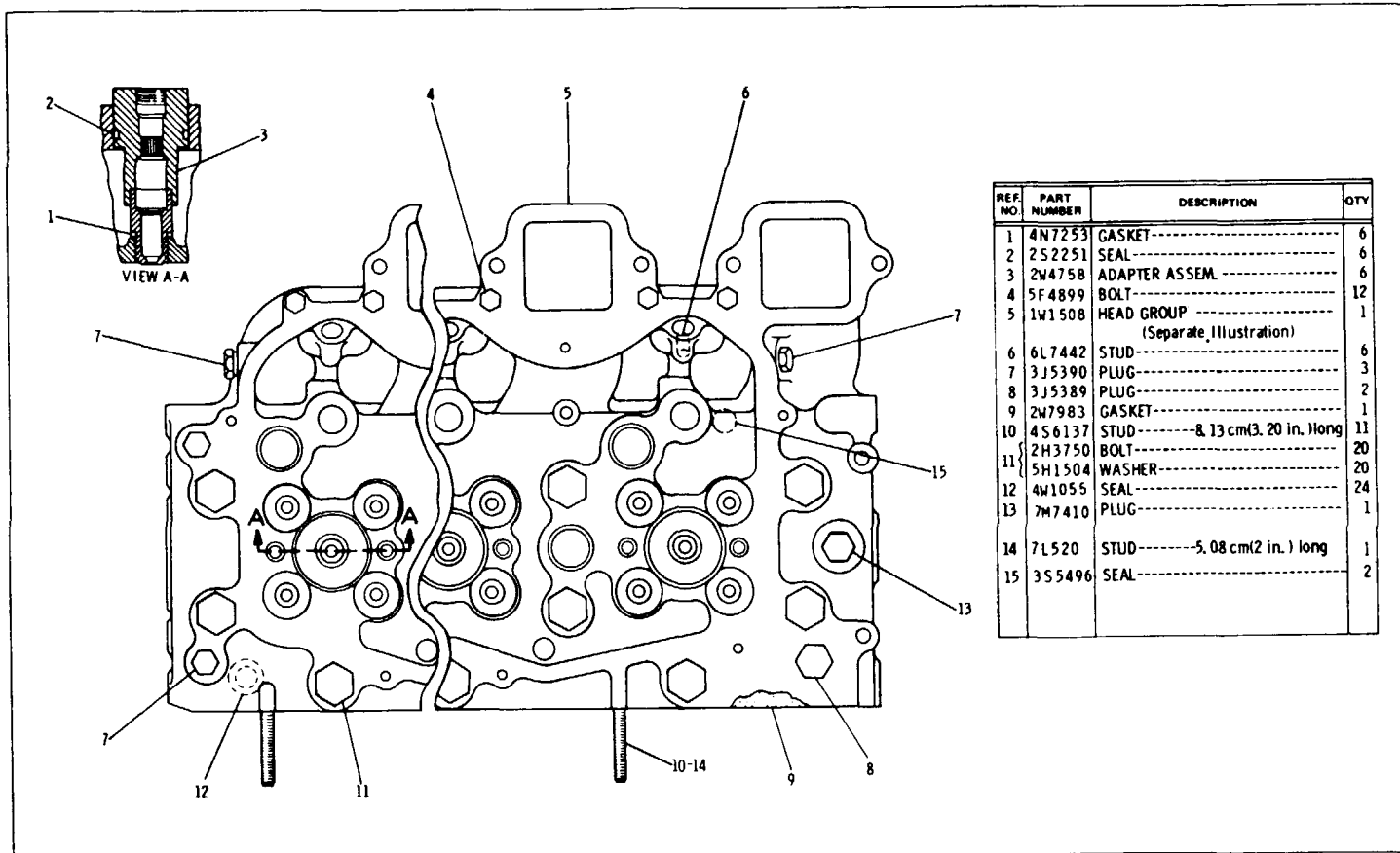
CATERPILLAR 621B TRACTOR



6N4991 CAMSHAFT ASSEMBLY
 Part of 6N4992 Camshaft Group shown on Page 11

BASIC ENGINE

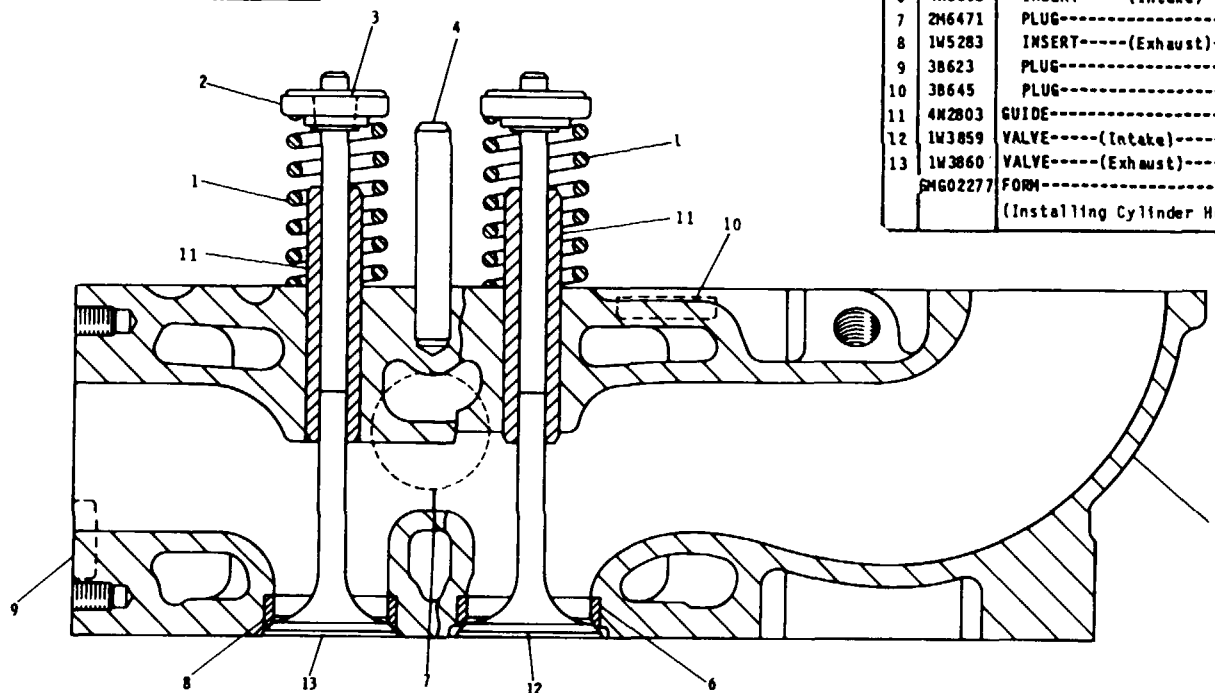
4N2270 CYLINDER HEAD GROUP
 1W1508 Cylinder Head parts are shown on Page 14



CATERPILLAR 621B TRACTOR

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N5906	SPRING-----	24
2	6N7154	ROTOCOIL-----	24
3	2A4429	LOCK-----	48

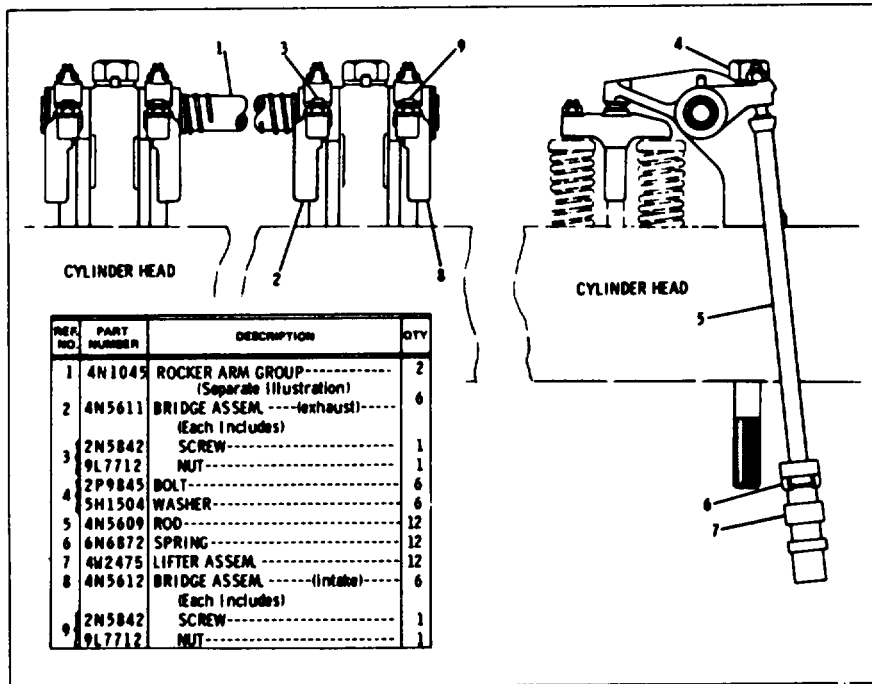
4	2M5775	DOWEL-----	12
5	1W1507	HEAD ASSEM.----- (Includes)	1
6	4N5893	INSERT-----(Intake)---	12
7	2M6471	PLUG-----	1
8	1W5283	INSERT-----(Exhaust)--	12
9	3B623	PLUG-----	10
10	3B645	PLUG-----	12
11	4N2803	GUIDE-----	24
12	1W3859	VALVE-----(Intake)-----	12
13	1W3860	VALVE-----(Exhaust)-----	12
	6M602277	FORM----- (Installing Cylinder Head)	1



1W1508 CYLINDER HEAD GROUP

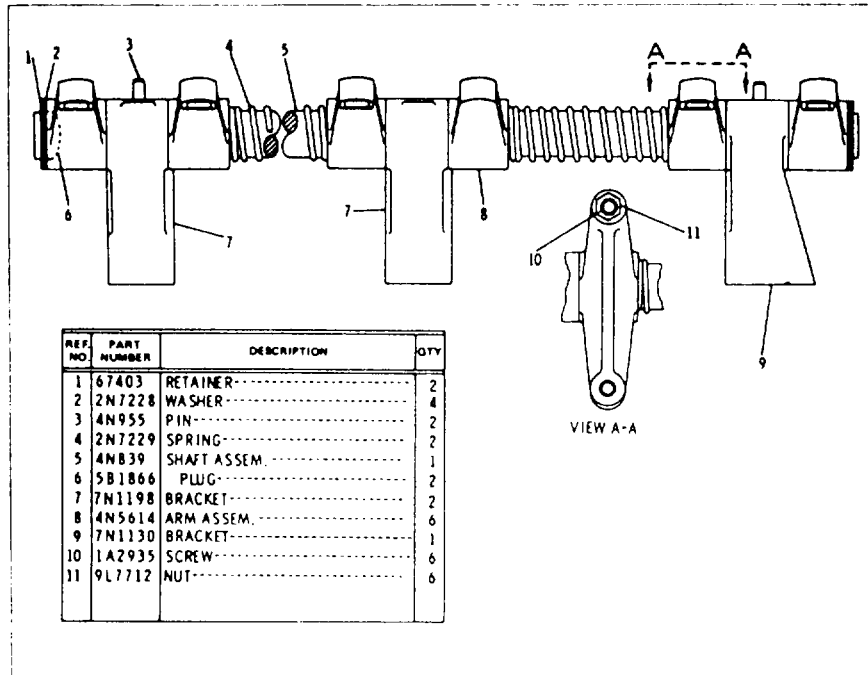
Part of 4N2270 Cylinder Head Group shown on Page 13

BASIC ENGINE



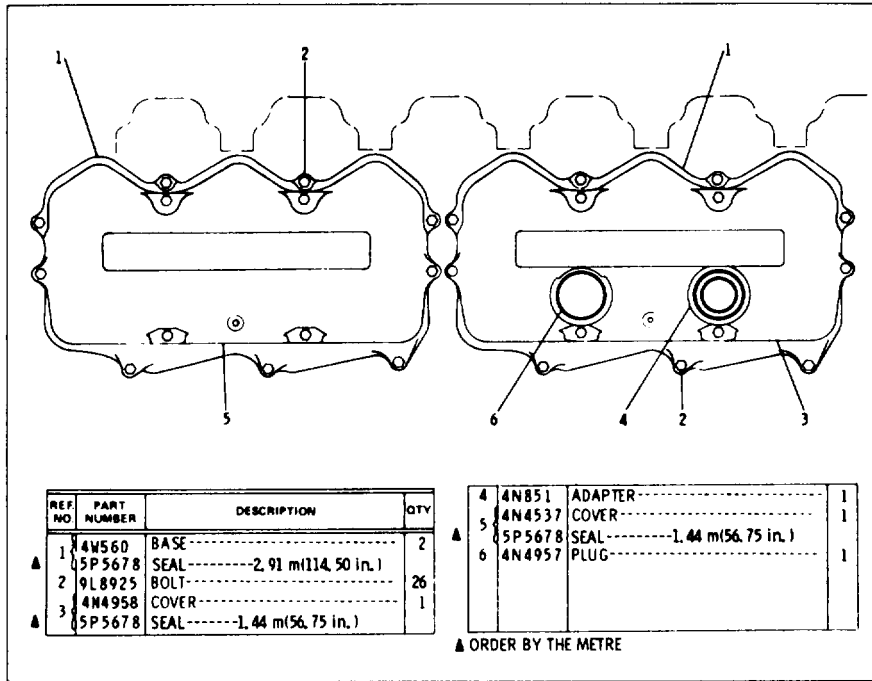
4N2271 VALVE MECHANISM GROUP
4N1045 Rocker Arm parts are shown Page 16

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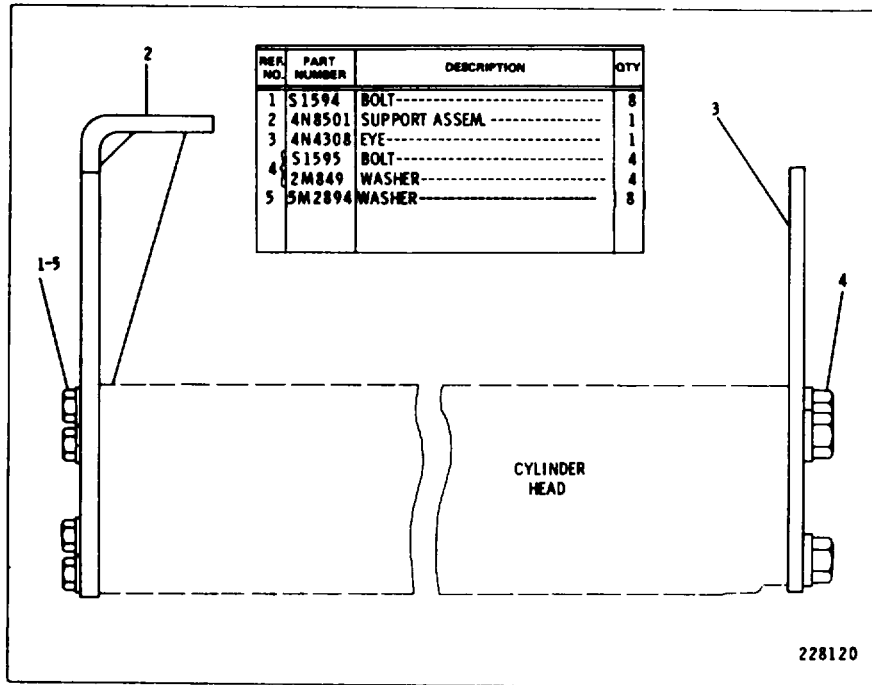
4N1045 ROCKER ARM GROUP
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BASIC ENGINE



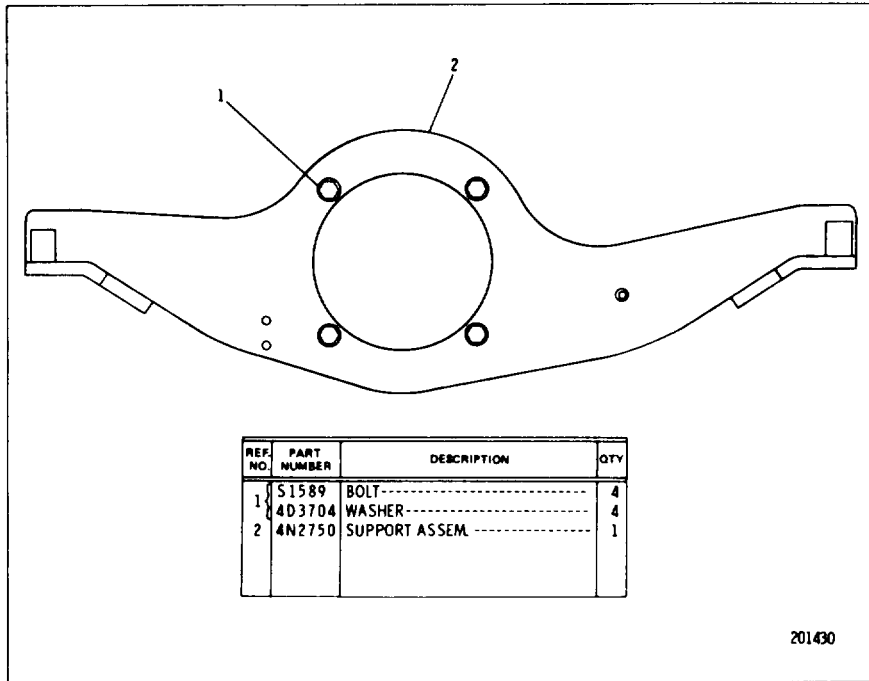
4N4953 VALVE MECHANISM COVER GROUP

CATERPILLAR 621B TRACTOR

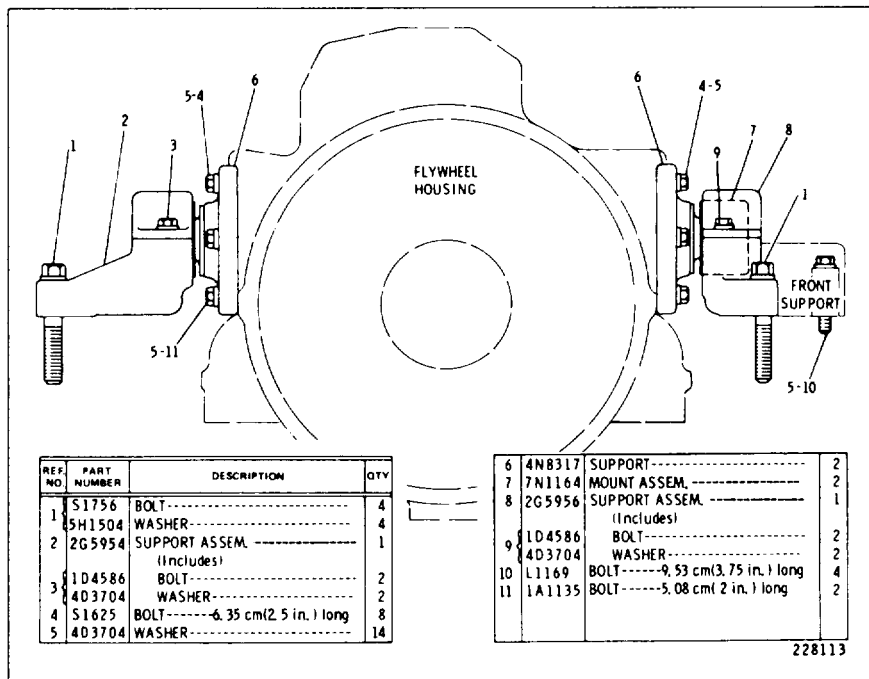


4N744 LIFTING EYE GROUP

BASIC ENGINE

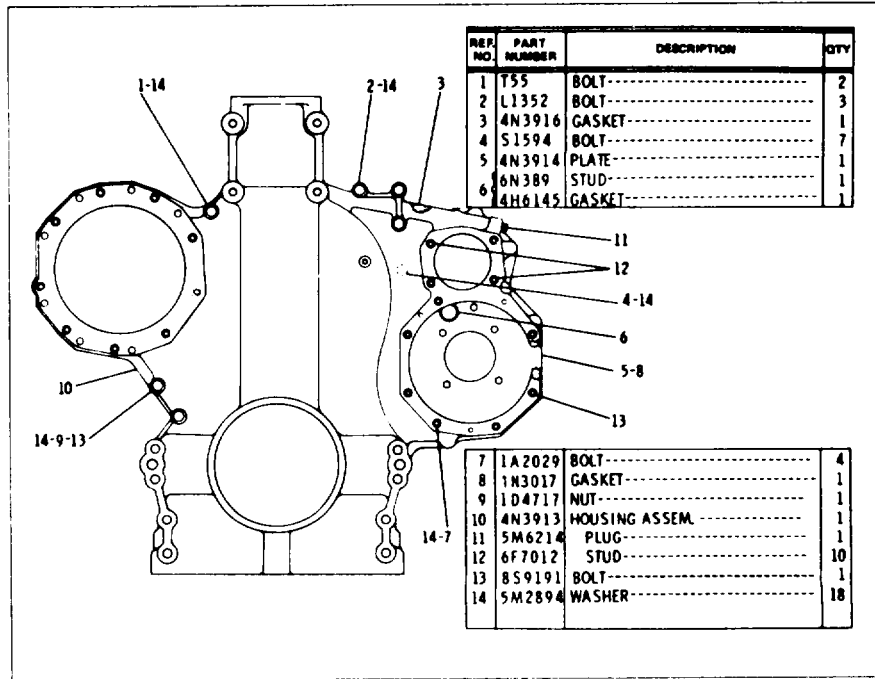


4N2276 ENGINE SUPPORT GROUP—Front

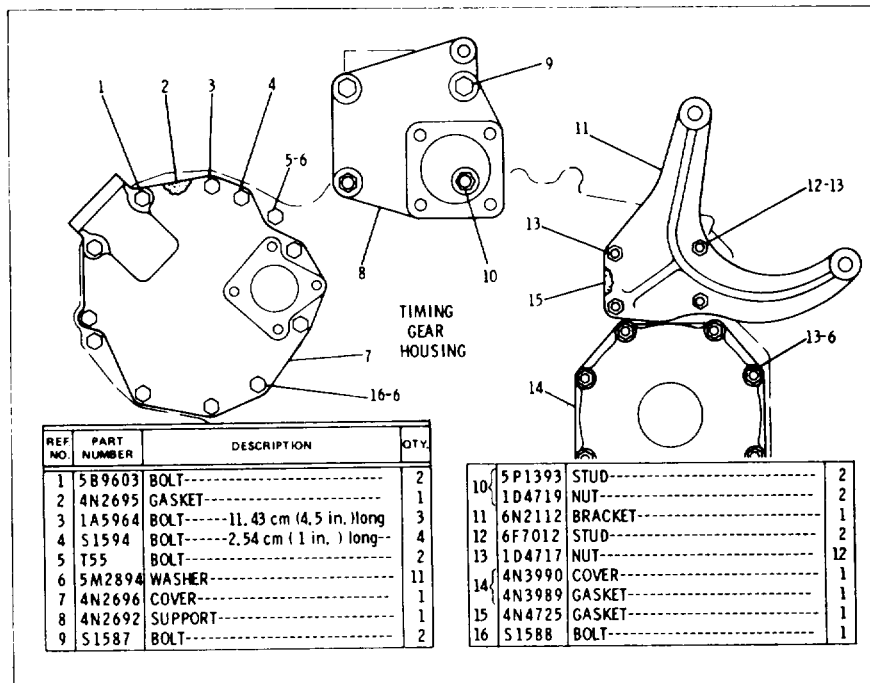


4N2748 ENGINE SUPPORT GROUP

CATERPILLAR 621B TRACTOR

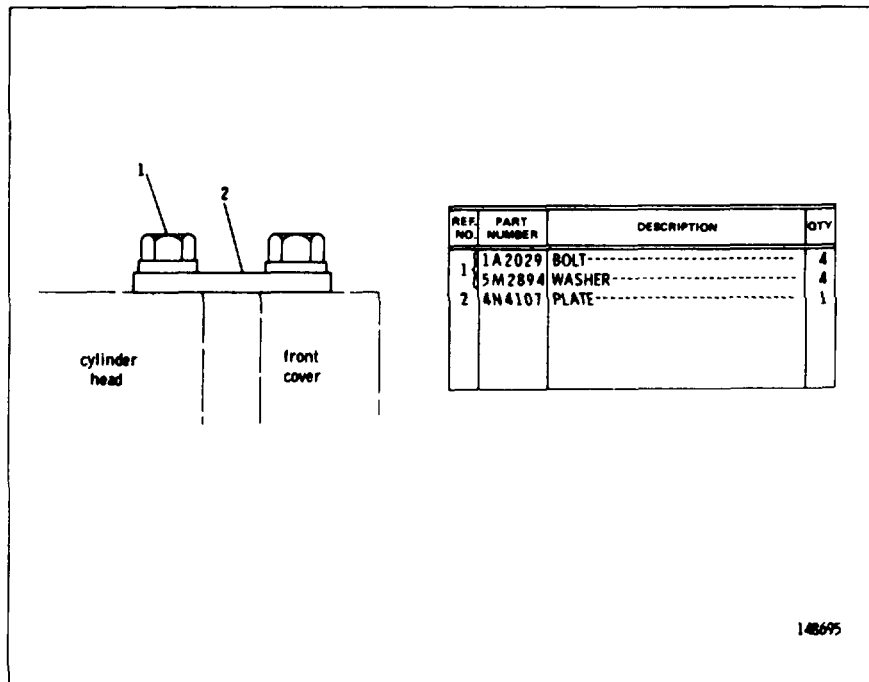


4N3911 FRONT HOUSING GROUP

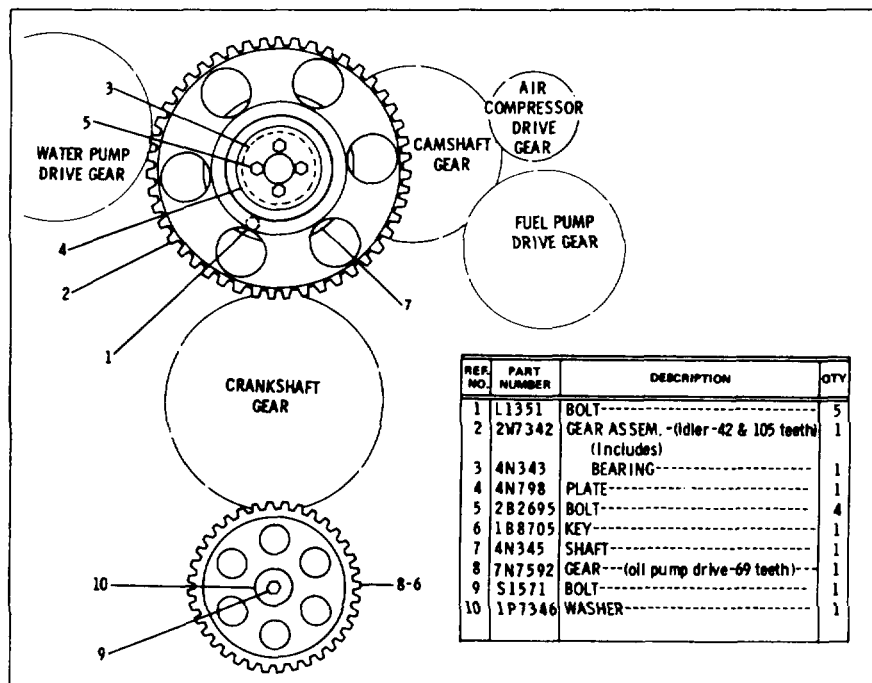


4N4965 FRONT HOUSING COVER GROUP

BASIC ENGINE

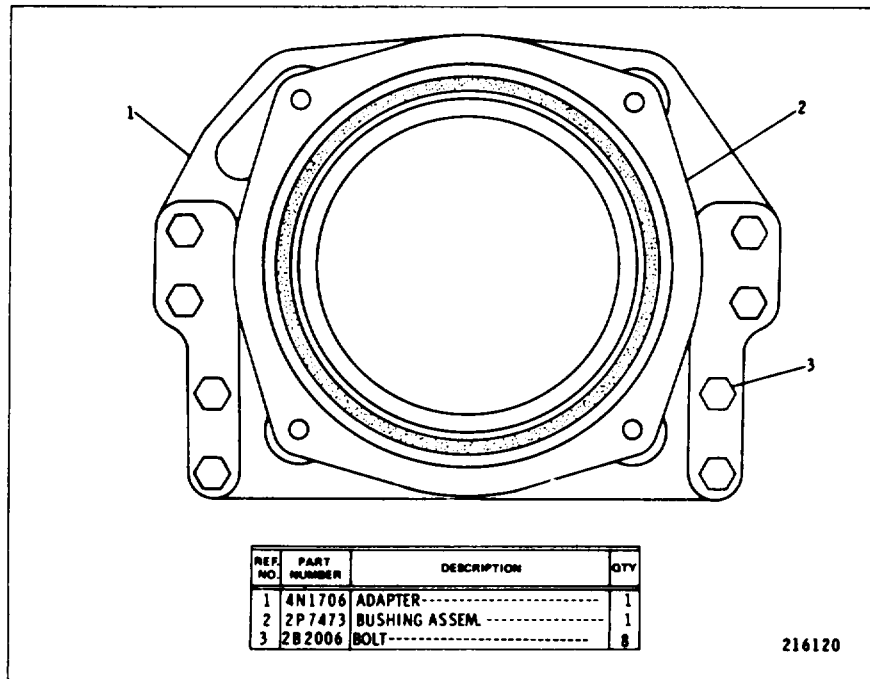


4N6006 FRONT HOUSING FASTENER GROUP

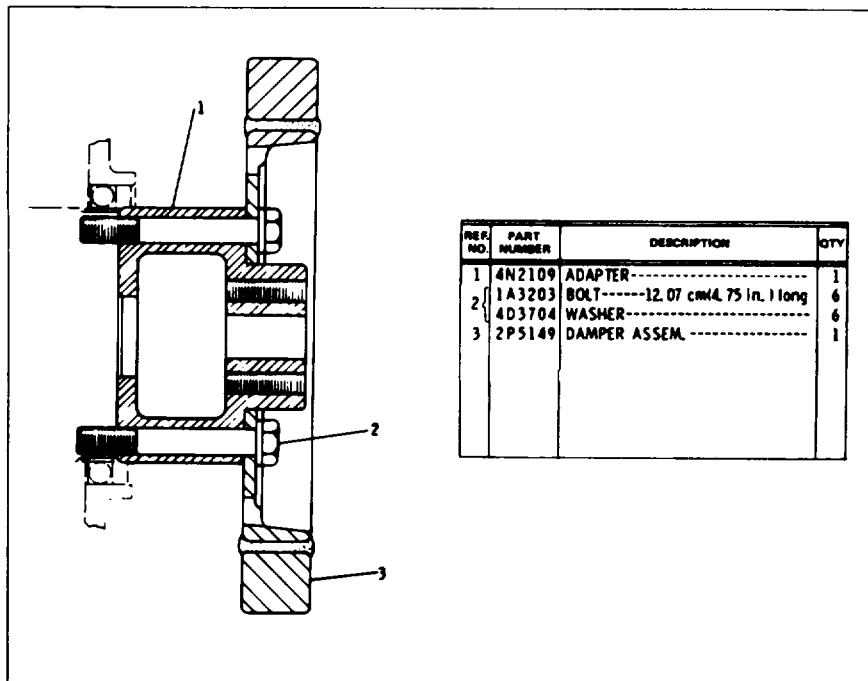


4N2274 FRONT TIMING GEAR GROUP

CATERPILLAR 621B TRACTOR

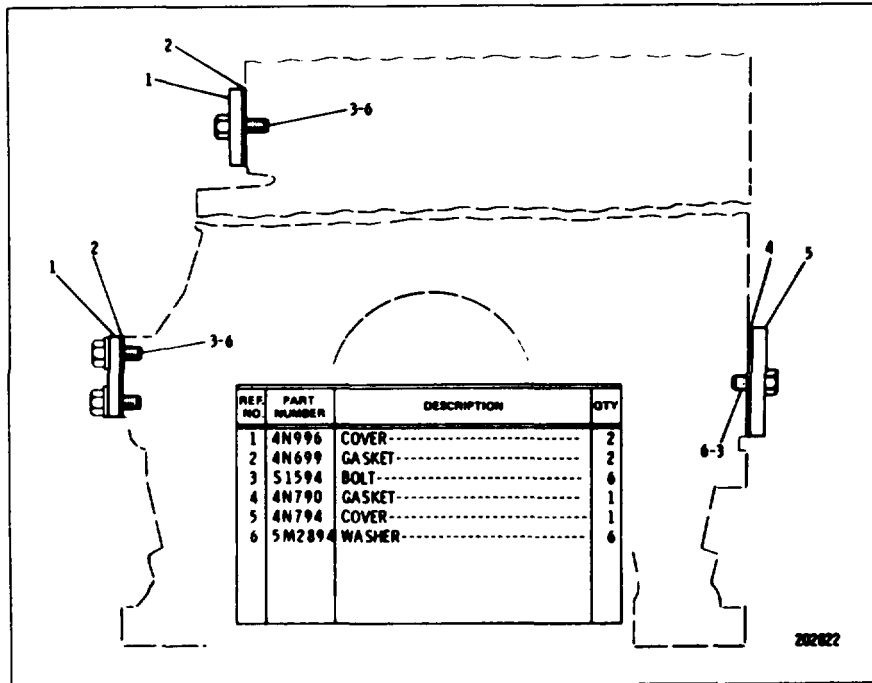


4N2273 TRUNNION GROUP



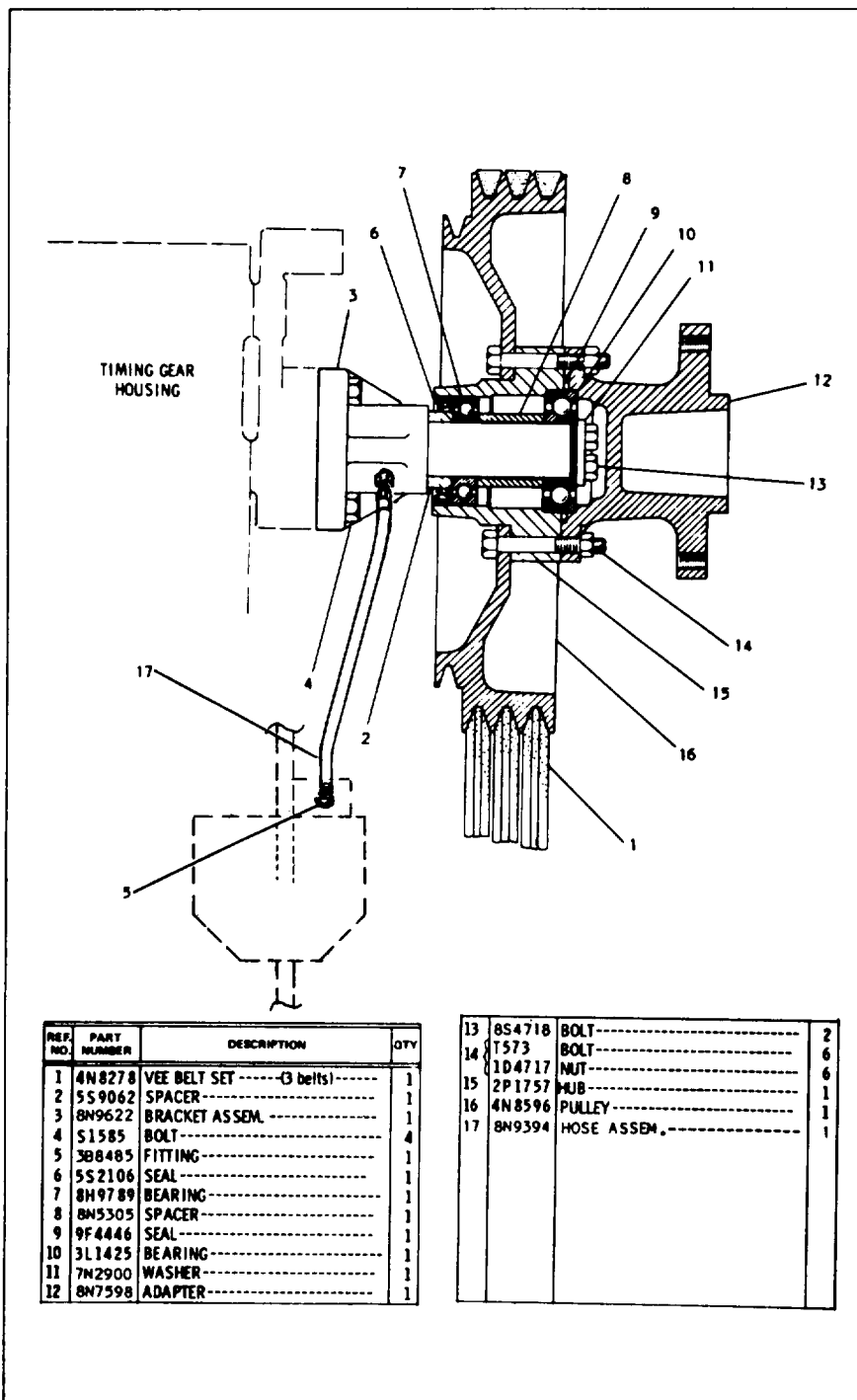
4N1560 RUBBER DAMPER GROUP

BASIC ENGINE



9N684 CYLINDER BLOCK COVER GROUP

BASIC ENGINE

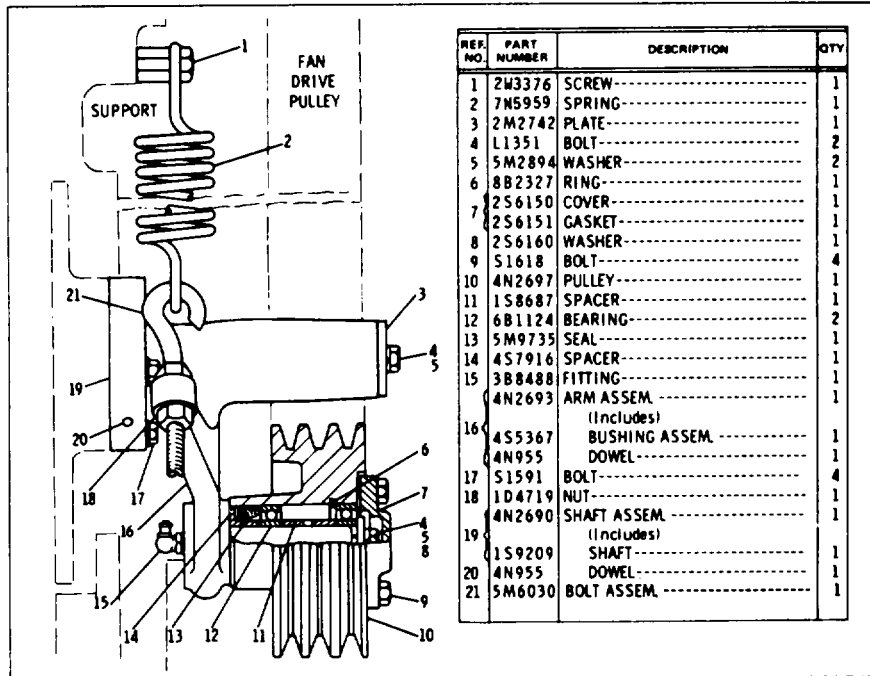


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4N8278	VEE BELT SET -----(3 belts)-----	1
2	5S9062	SPACER-----	1
3	8N9622	BRACKET ASSEM.-----	1
4	S1585	BOLT-----	4
5	3B8485	FITTING-----	1
6	5S2106	SEAL-----	1
7	8H9789	BEARING-----	1
8	8N5305	SPACER-----	1
9	9F4446	SEAL-----	1
10	3L1425	BEARING-----	1
11	7N2900	WASHER-----	1
12	8N7598	ADAPTER-----	1

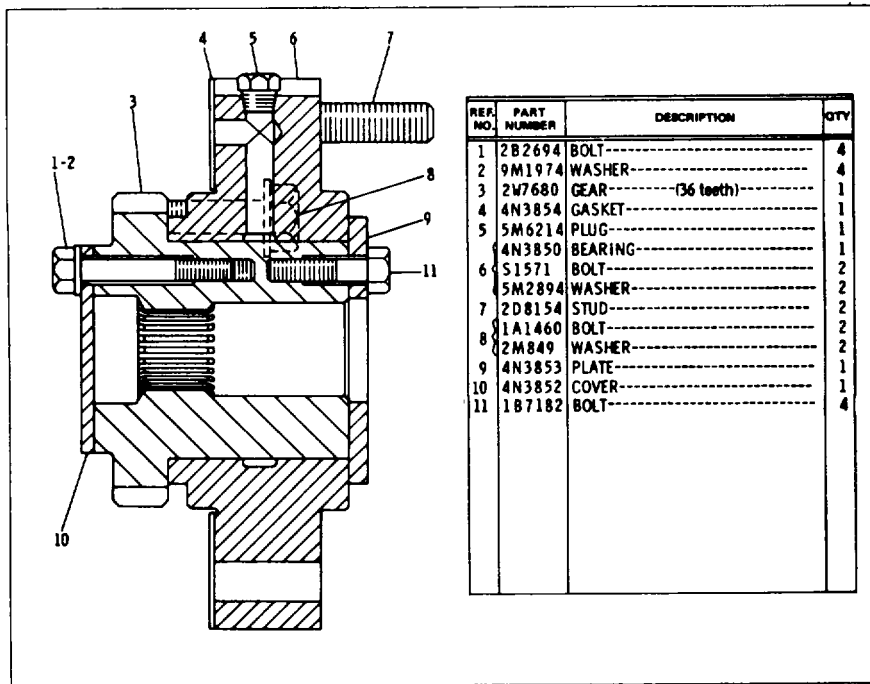
13	8S4718	BOLT-----	2
14	T573	BOLT-----	6
	1D4717	NUT-----	6
15	2P1757	MJB-----	1
16	4N8596	PULLEY-----	1
17	8N9394	HOSE ASSEM.-----	1

4N2287 FAN BELT DRIVE GROUP

CATERPILLAR 621B TRACTOR

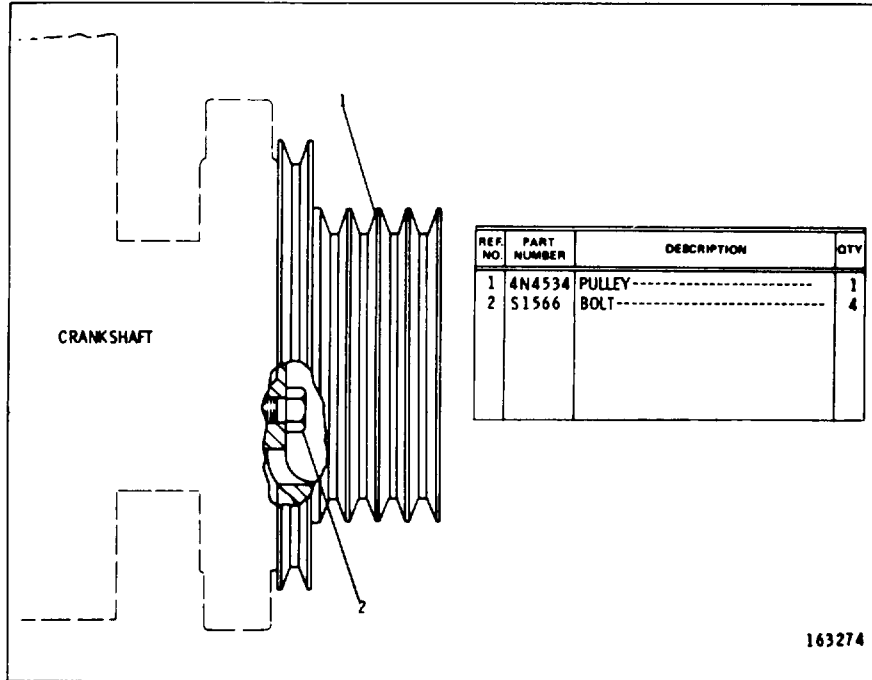


4N2713 FAN BELT TIGHTENER GROUP

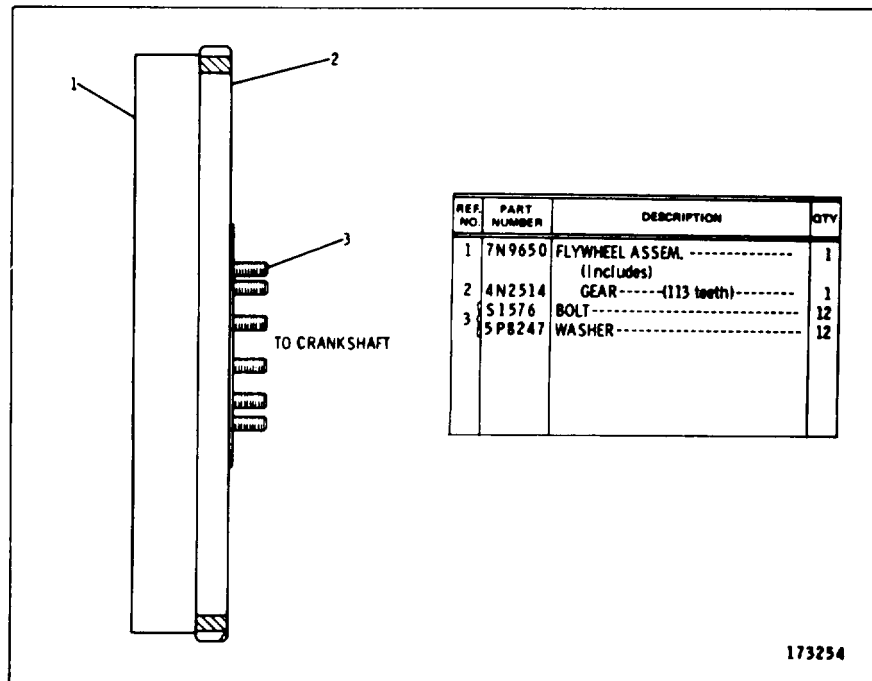


4N2264 FRONT ACCESSORY DRIVE GROUP

BASIC ENGINE

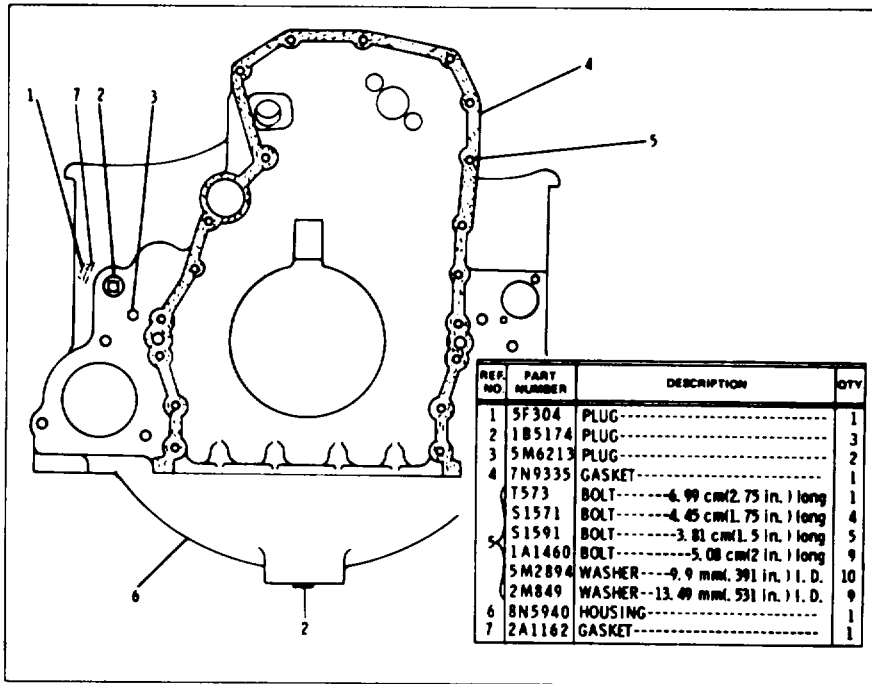


6N8344 AUXILIARY DRIVE PULLEY GROUP

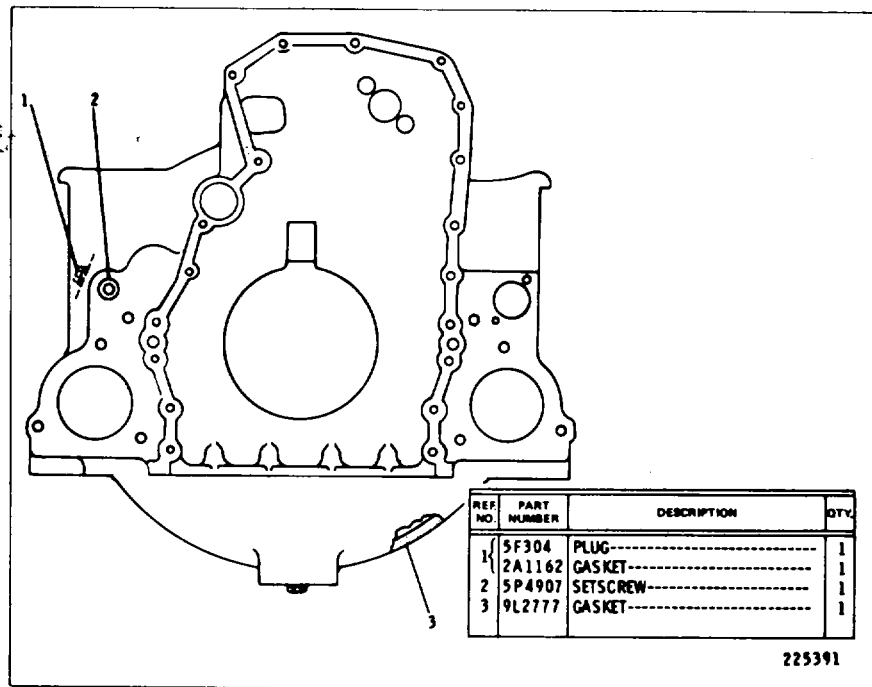


7N9651 FLYWHEEL GROUP

CATERPILLAR 621B TRACTOR

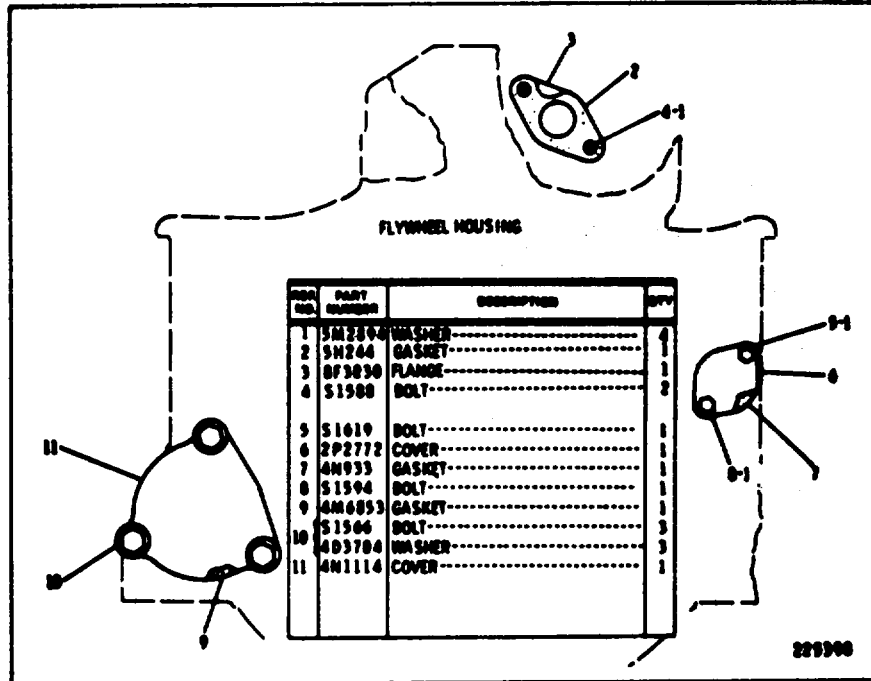


8N5941 FLYWHEEL HOUSING GROUP-For Field Replacement order 8N5965

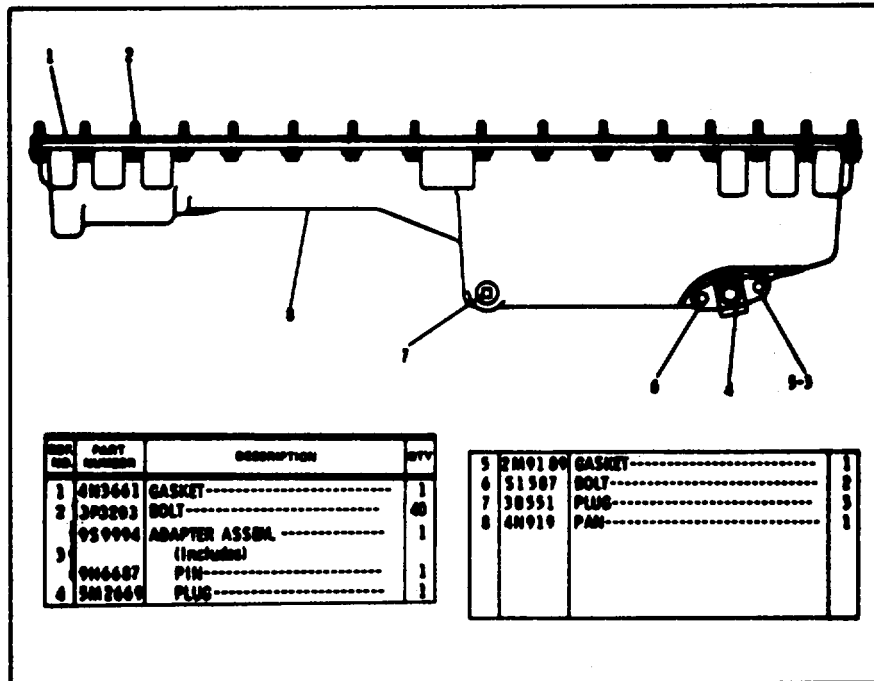


8N5965 FLYWHEEL HOUSING GROUP-Field Installation

BASIC ENGINE

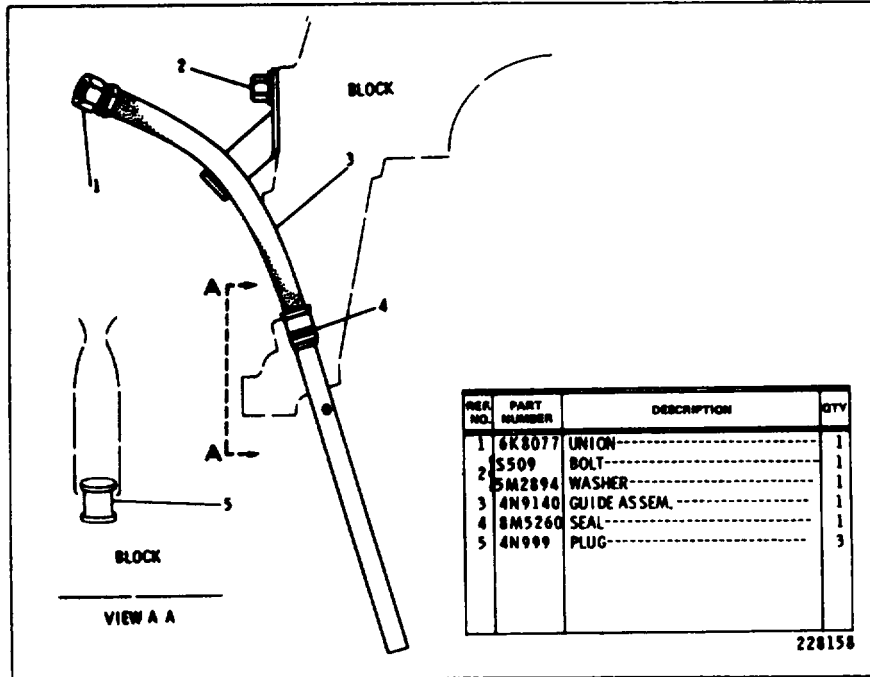


4N4792 FLYWHEEL HOUSING COVER GROUP

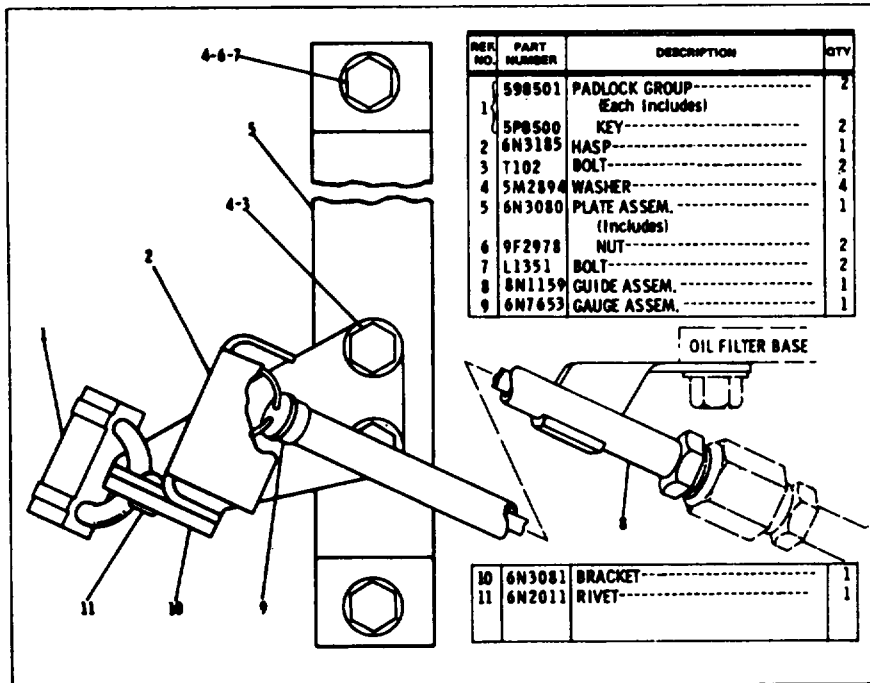


4N771 OIL PAN GROUP

CATERPILLAR 621B TRACTOR

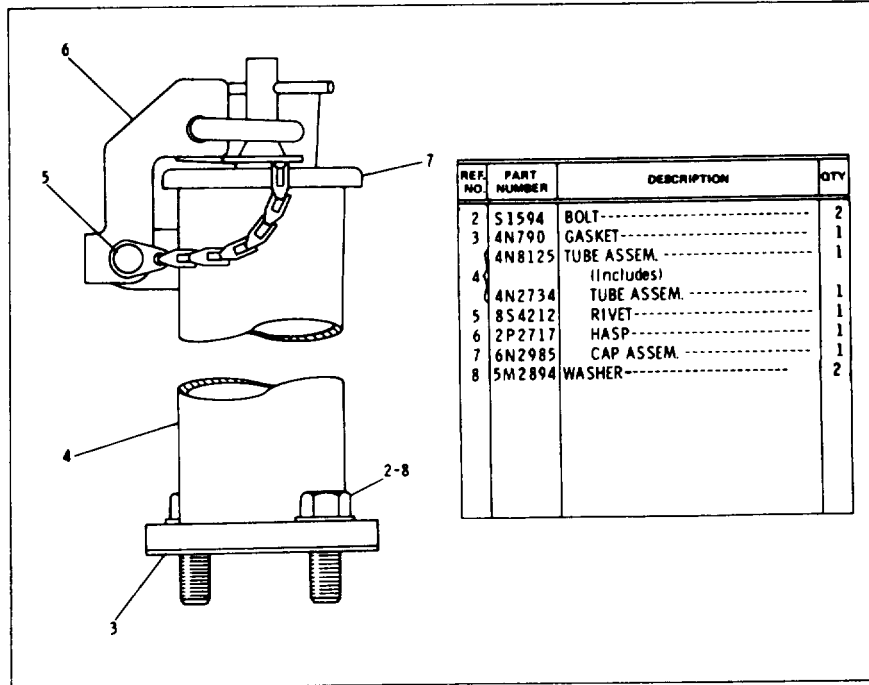


4N1812 OIL LEVEL GUIDE GROUP

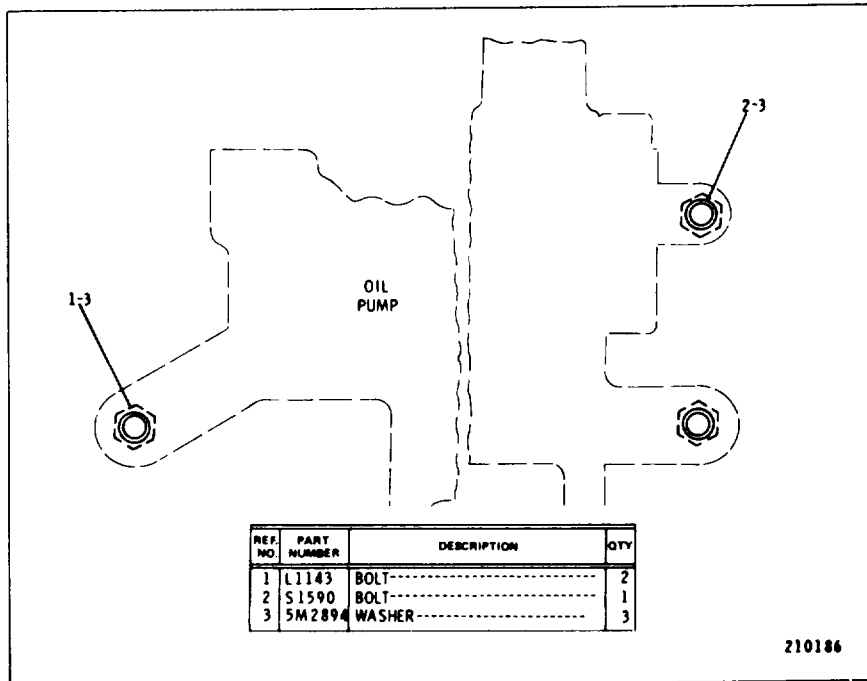


4N2278 OIL LEVEL GAUGE GROUP

LUBRICATION SYSTEM



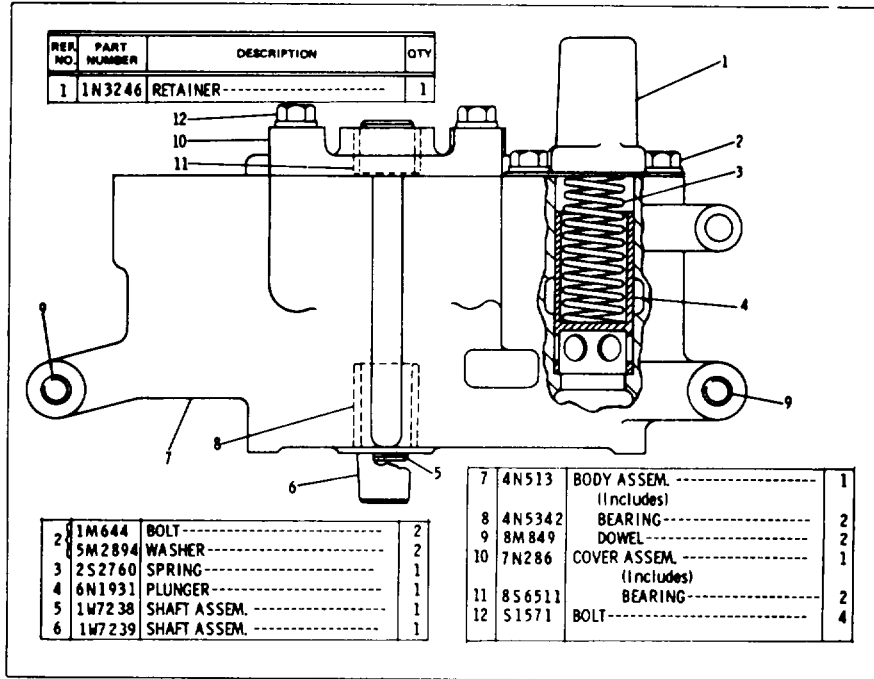
4N8121 OIL FILLER GROUP



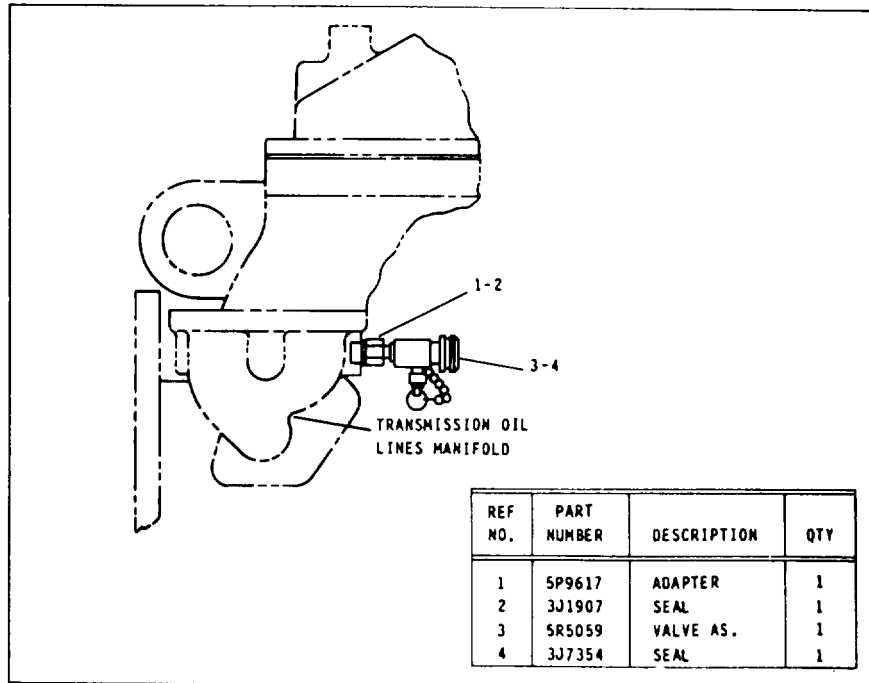
210186

4N2481 OIL PUMP MOUNTING FASTENER GROUP

CATERPILLAR 621B TRACTOR

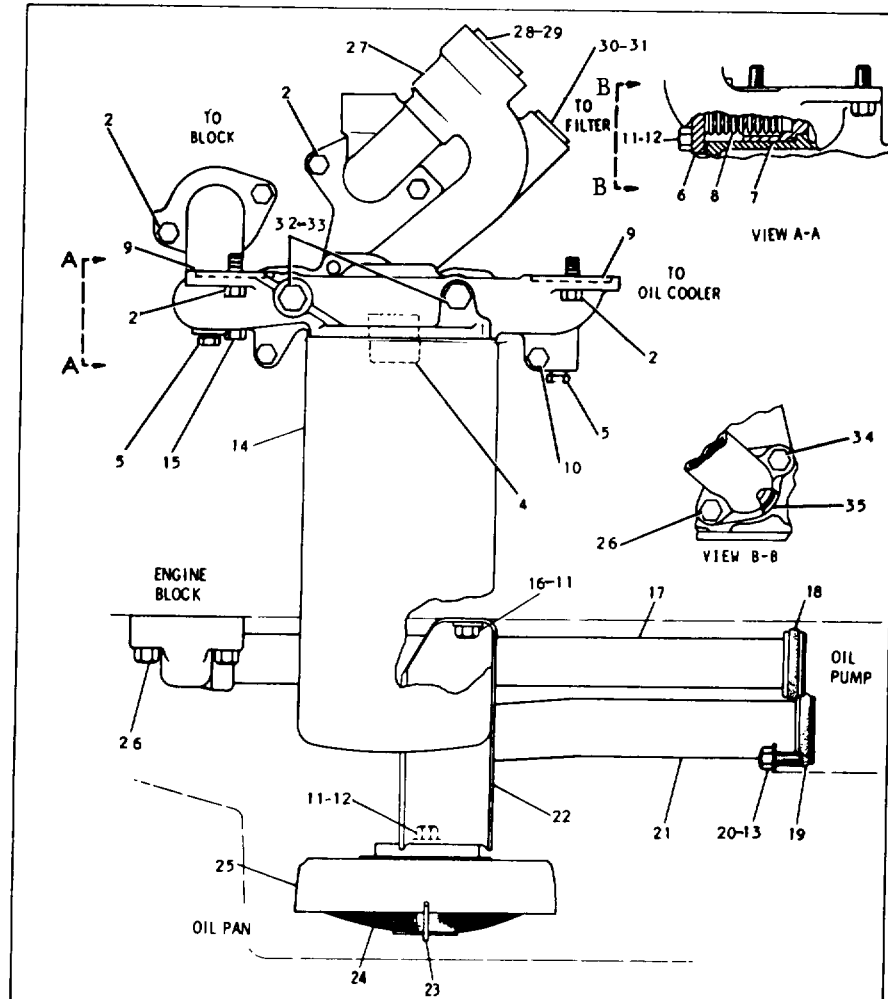


4N733 OIL PUMP GROUP



5R6697 OIL SAMPLING GROUP

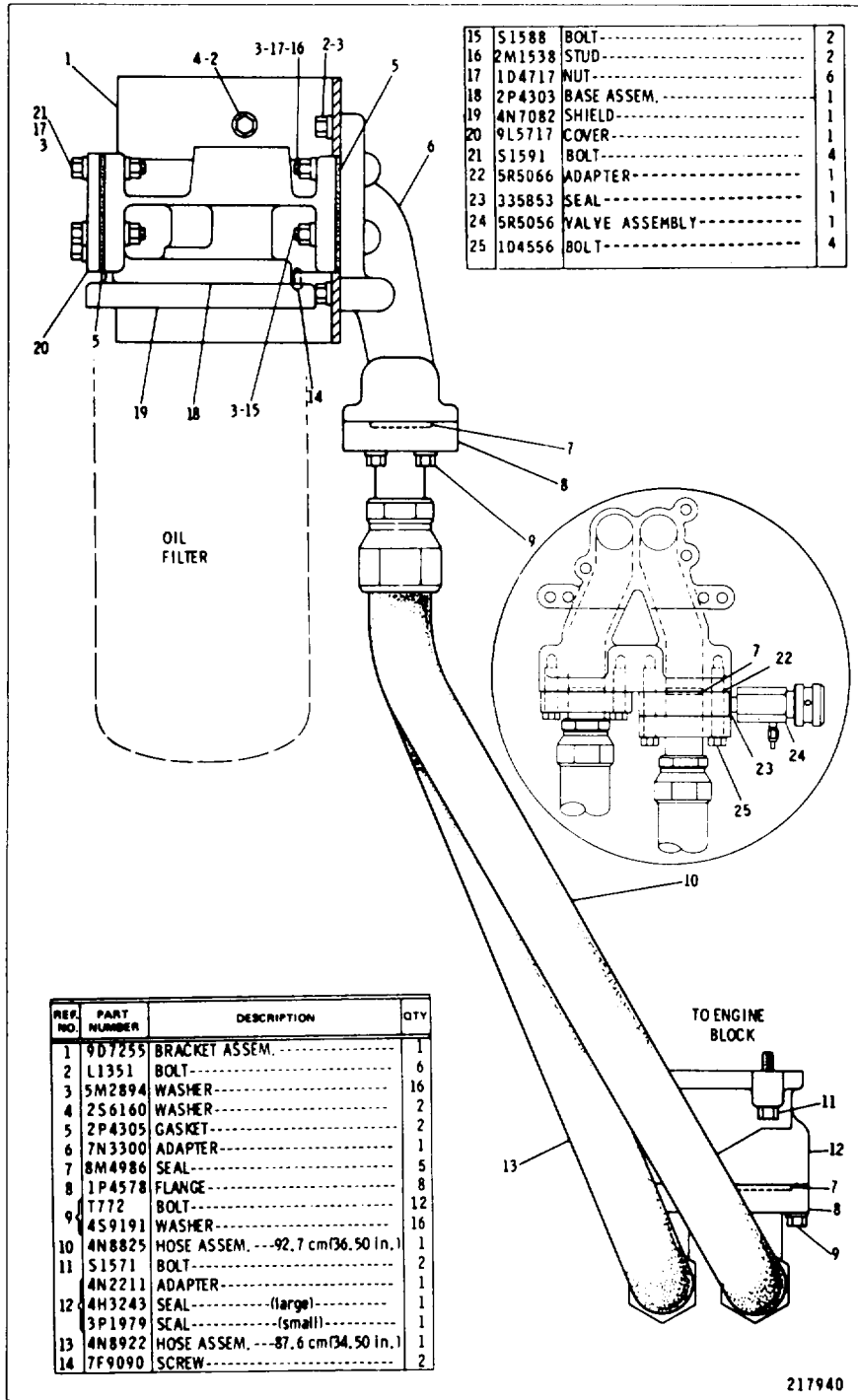
LUBRICATION SYSTEM



REF NO	PART NUMBER	DESCRIPTION	QTY
1	2S2251	SEAL-----	2
2	S1594	BOLT-----	11
3	2W1157	BASE ASSEM. (Includes)	1
4	2P4304	STUD-----	1
5	5M6213	PLUG-----	2
6	2P3761	COVER-----	2
6	2P3760	GASKET-----	2
7	9M853	PLUNGER-----	2
8	4N8150	SPRING-----	2
9	6L1651	SEAL-----	2
10	T65	BOLT-----	2
11	5M2894	WASHER-----	10
12	1A2029	BOLT-----	2
13	L1351	BOLT-----	1
14	2P4005	FILTER ASSEM.	1
15	L2070	BOLT-----	1
16	S509	BOLT-----	2
17	4N995	TUBE ASSEM.	1
18	5L2727	SEAL-----	1
19	5P5846	SEAL-----	1
20	8M9024	WASHER-----	1
21	9N5915	TUBE ASSEM.	1
22	6N7249	SUPPORT-----	1
23	4N914	CLIP-----	1
24	4N913	SCREEN ASSEM.	1
25	8N2104	BELL ASSEM. (Includes)	1
25	9F2978	NUT-----	2
26	S1591	BOLT-----	3
27	2W2025	ADAPTER-----	1
28	9S8010	PLUG-----	1
29	2S4078	SEAL-----	1
30	9S8009	PLUG-----	1
31	4K1388	SEAL-----	1
32	9S4191	PLUG-----	2
33	3J1907	SEAL-----	2
34	S1590	BOLT-----	1
35	8M4992	SEAL-----	1

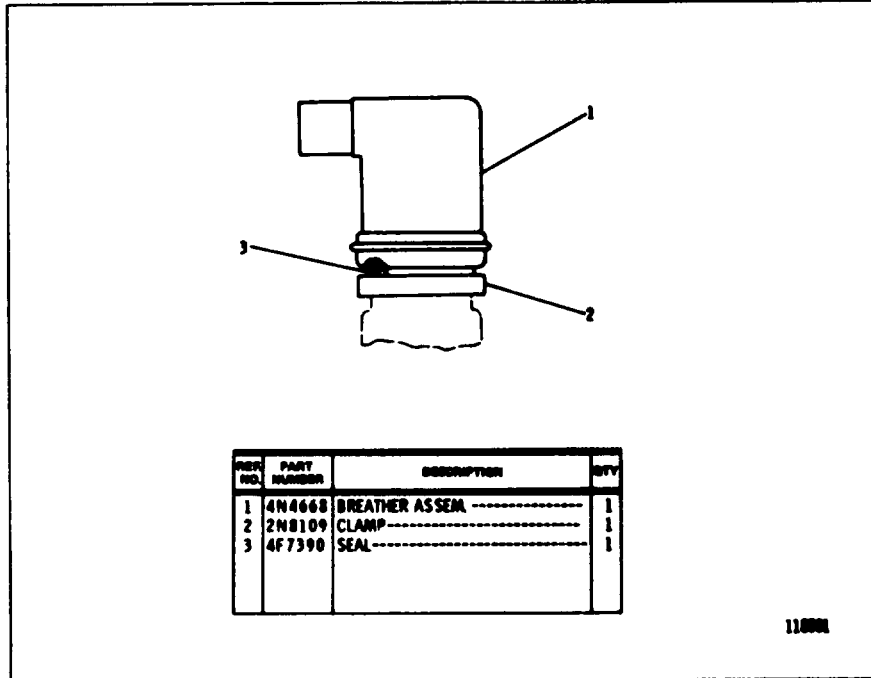
4N8733 OIL LINES GROUP

CATERPILLAR 621B TRACTOR

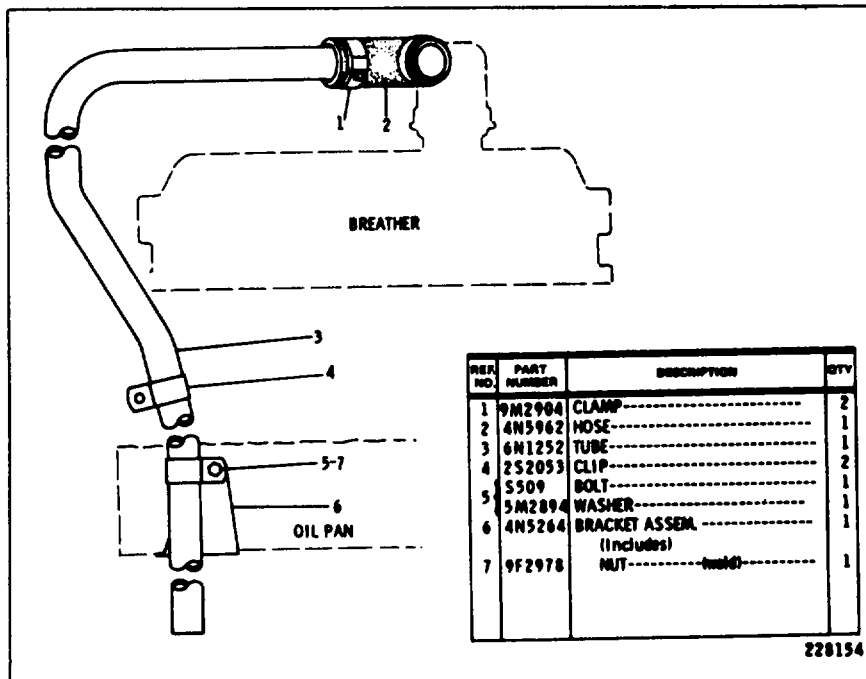


5R6743 OIL LINES GROUP-Remote Mount Filter

LUBRICATION SYSTEM

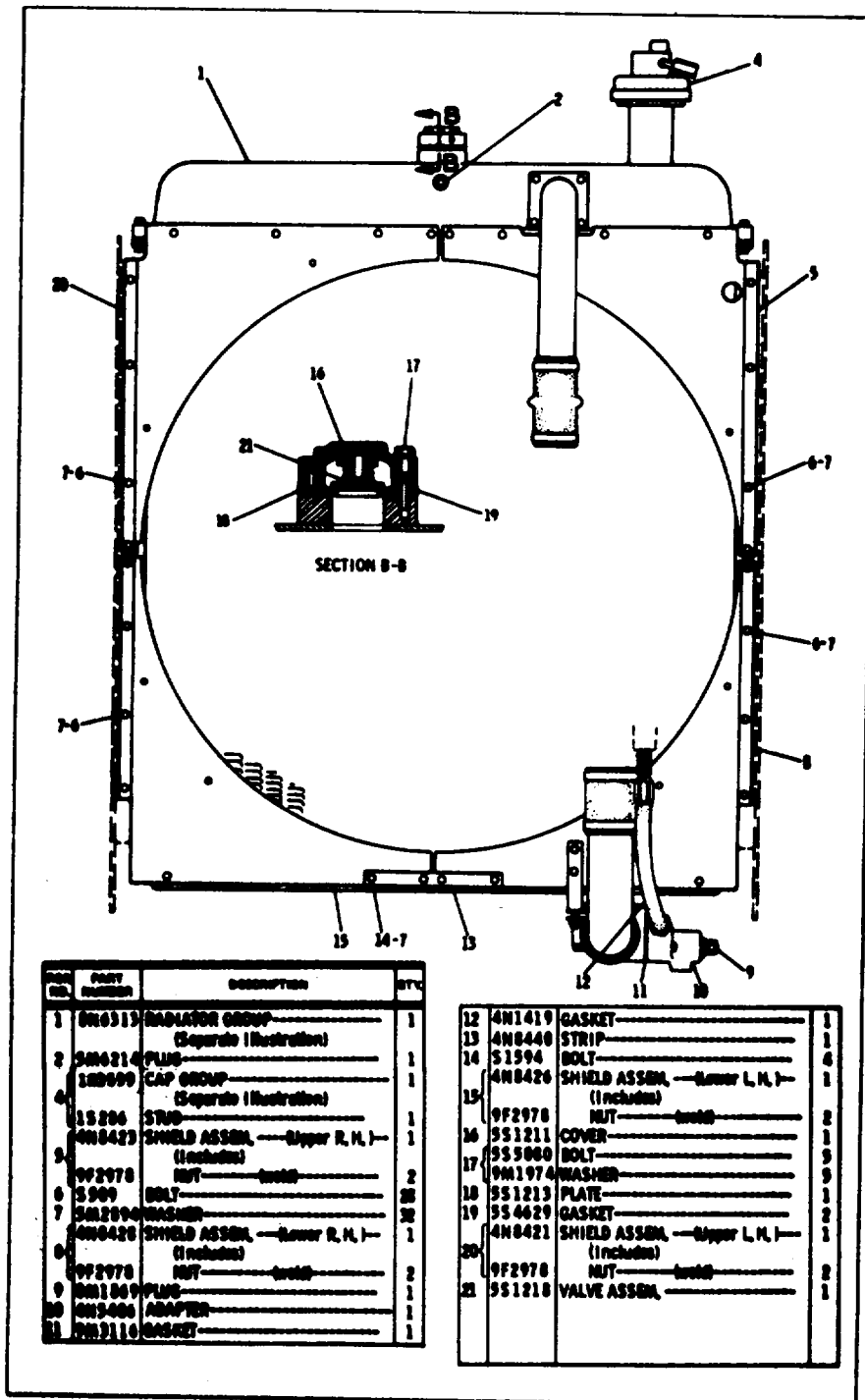


2N8220 BREATHER GROUP



4N2738 FUMES DISPOSAL GROUP

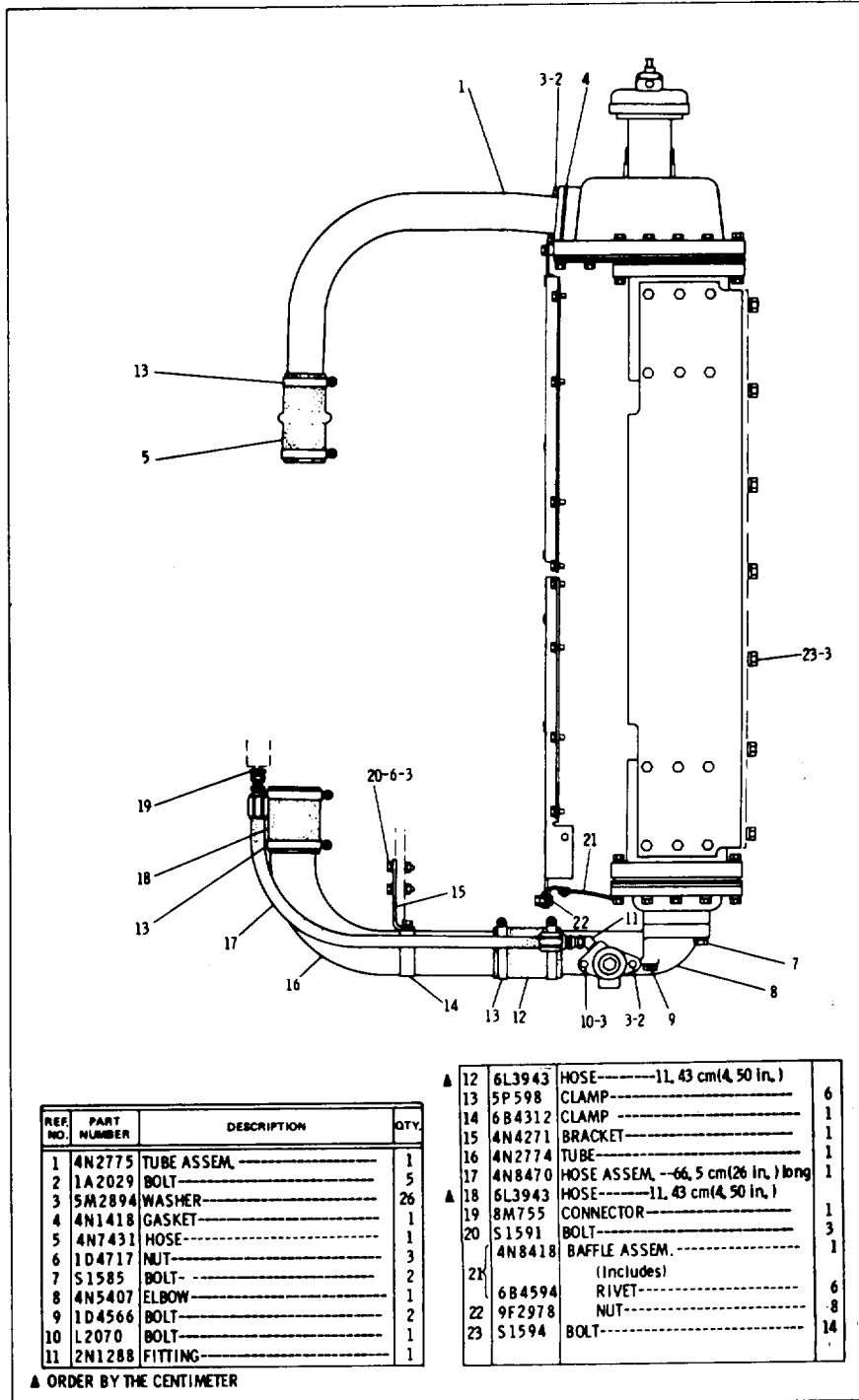
CATERPILLAR 6218 TRACTOR



8N6314 RADIATOR GROUP - Rear View

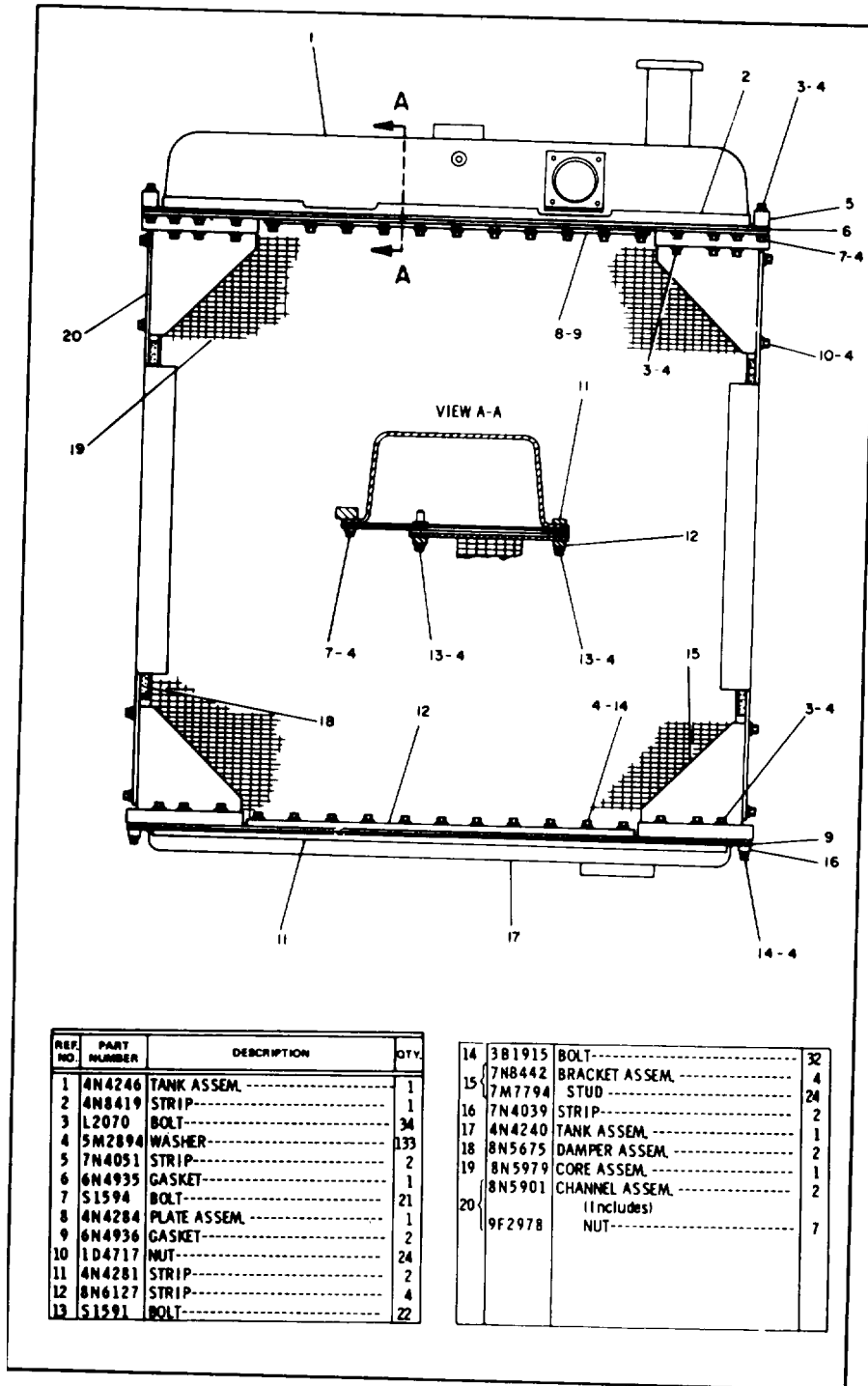
8N6313 Radiator and 296096 Cap parts are shown on Pages 36 and 37

COOLING SYSTEM



8N6314 RADIATOR GROUP--Side View

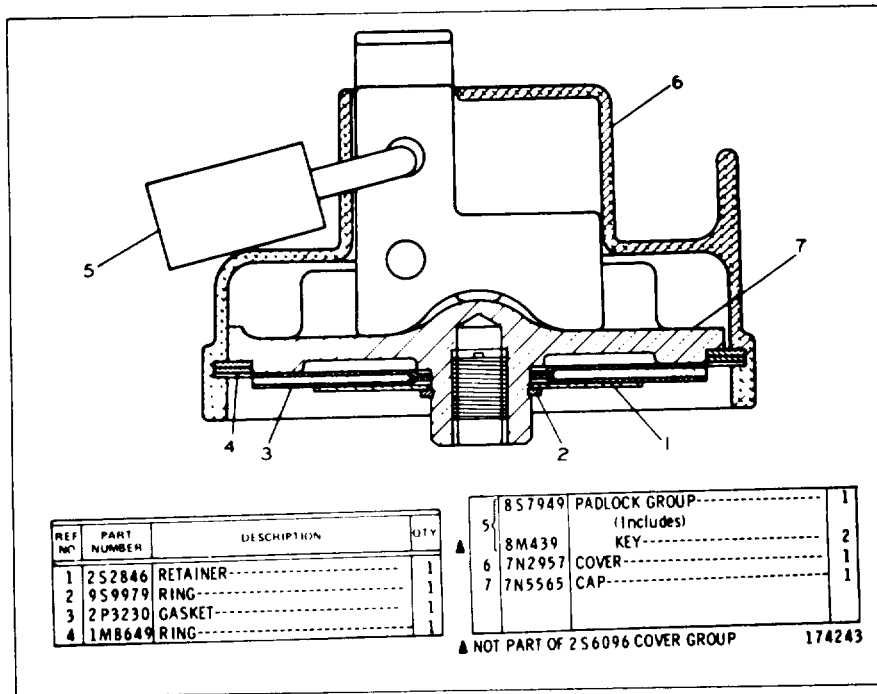
CATERPILLAR 6218 TRACTOR



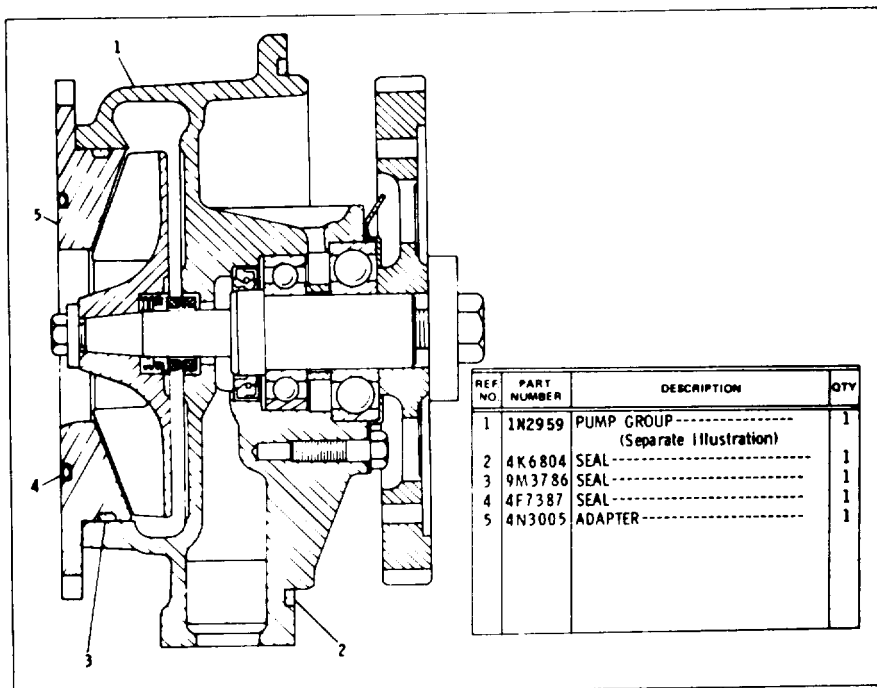
8N6313 RADIATOR GROUP

Part of 8N6314 Radiator Group shown on Pages 34 and 35

COOLING SYSTEM

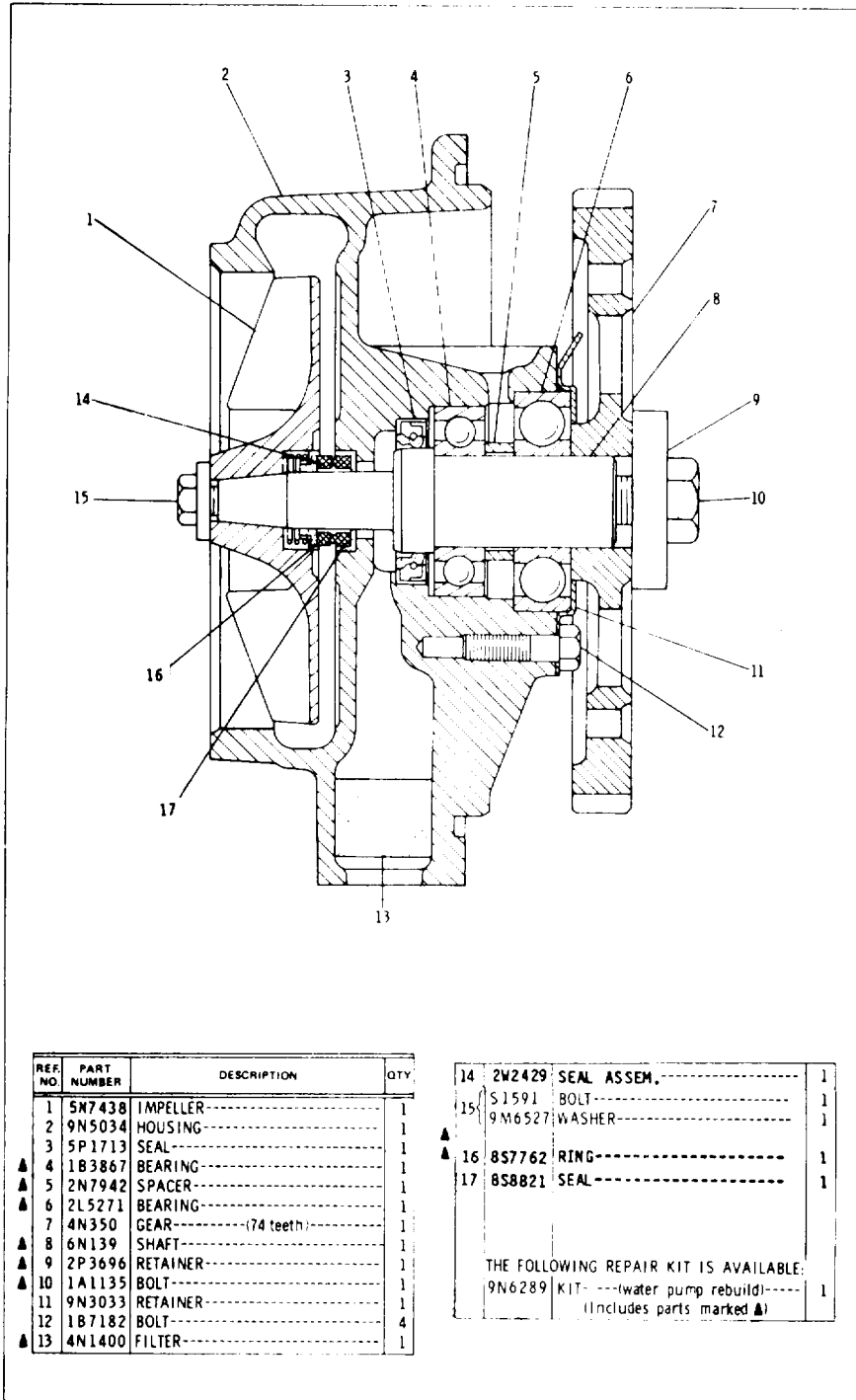


2S6096 PROTECTION COVER GROUP - Radiator Cap
 Part of 8N6314 Radiator Group shown on Pages 34 and 35



9N3288 WATER PUMP GROUP
 1N2959 Pump parts are shown on Page 38

CATERPILLAR 621R TRACTOR



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	5N7438	IMPELLER-----	1
2	9N5034	HOUSING-----	1
3	5P1713	SEAL-----	1
▲ 4	1B3867	BEARING-----	1
▲ 5	2N7942	SPACER-----	1
▲ 6	2L5271	BEARING-----	1
▲ 7	4N350	GEAR----- (74 teeth)	1
▲ 8	6N139	SHAFT-----	1
▲ 9	2P3696	RETAINER-----	1
▲ 10	1A1135	BOLT-----	1
▲ 11	9N3033	RETAINER-----	1
▲ 12	1B7182	BOLT-----	4
▲ 13	4N1400	FILTER-----	1

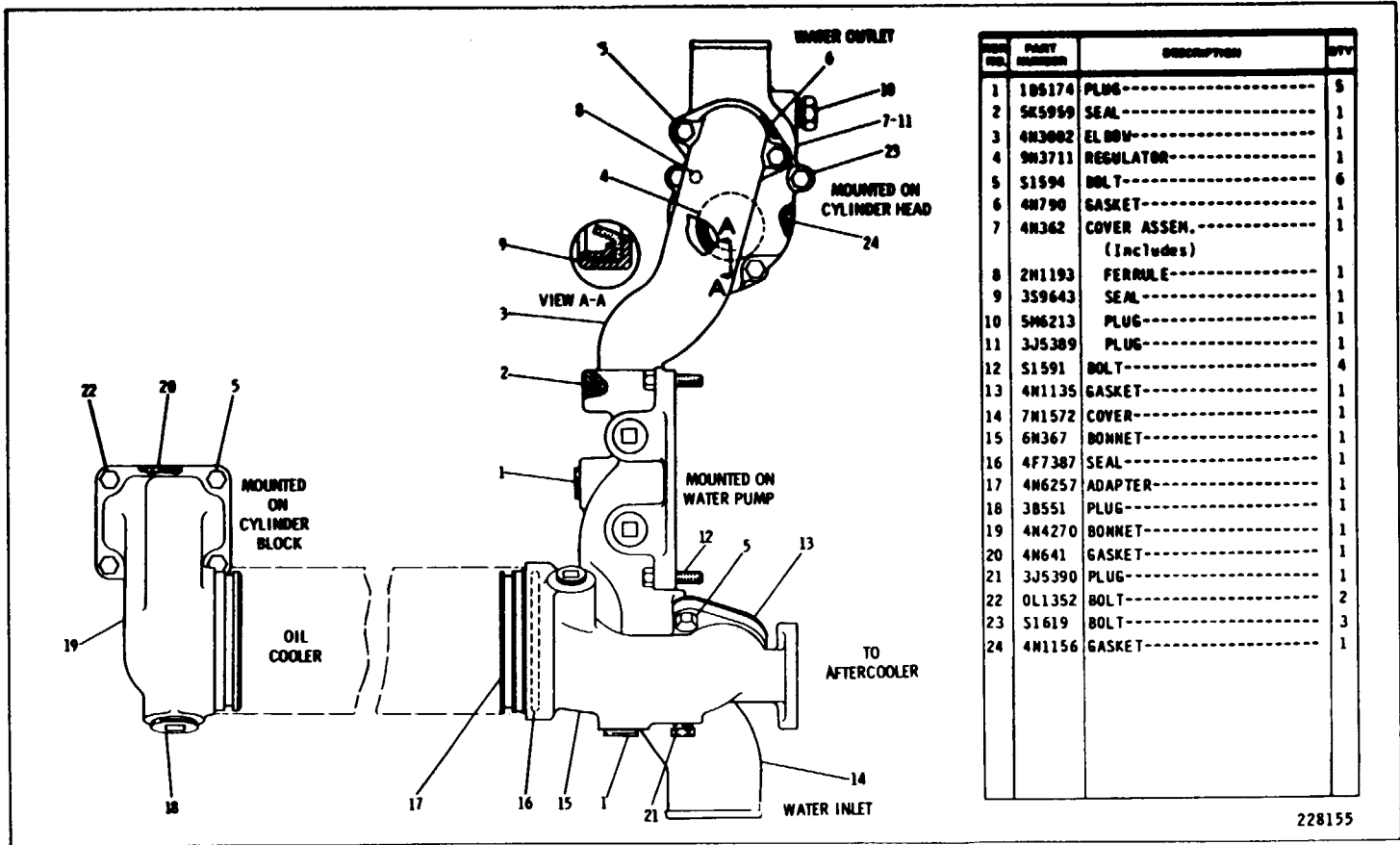
▲ 14	2W2429	SEAL ASSEM.-----	1
▲ 15	51591	BOLT-----	1
	9M6527	WASHER-----	1
▲ 16	8S7762	RING-----	1
▲ 17	8S8821	SEAL-----	1

THE FOLLOWING REPAIR KIT IS AVAILABLE:
 9N6289 KIT----(water pump rebuild)----- 1
 (Includes parts marked ▲)

1N2959 WATER PUMP GROUP
 Part of 9N3288 Water Pump Group shown on Page 37

5R6740 WATER LINES GROUP

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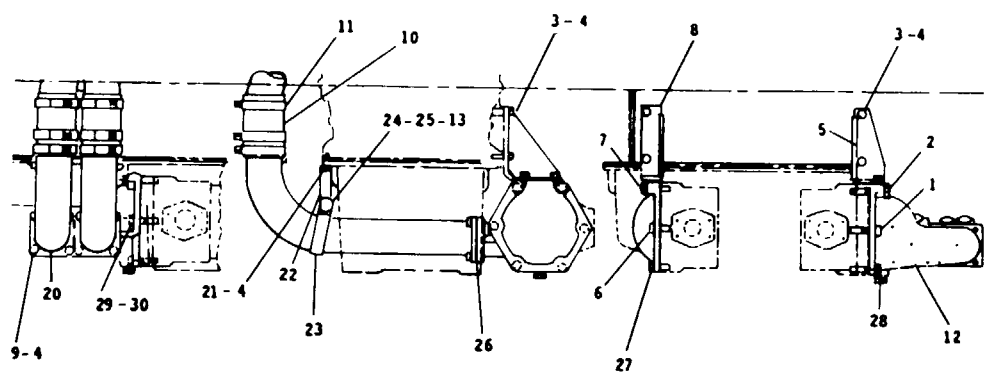
QTY	PART NUMBER	DESCRIPTION	QTY
1	1D5174	PLUG-----	5
2	5K5959	SEAL-----	1
3	4N3002	EL BOW-----	1
4	9W3711	REGULATOR-----	1
5	S1594	BOLT-----	6
6	4N790	GASKET-----	1
7	4N362	COVER ASSEM.-----	1
		(Includes)	
8	2N1193	FERRULE-----	1
9	3S9643	SEAL-----	1
10	5M6213	PLUG-----	1
11	3J5389	PLUG-----	1
12	S1591	BOLT-----	4
13	4N1135	GASKET-----	1
14	7N1572	COVER-----	1
15	6N367	BONNET-----	1
16	4F7387	SEAL-----	1
17	4N6257	ADAPTER-----	1
18	3B551	PLUG-----	1
19	4N4270	BONNET-----	1
20	4N641	GASKET-----	1
21	3J5390	PLUG-----	1
22	0L1352	BOLT-----	2
23	S1619	BOLT-----	3
24	4N1156	GASKET-----	1

228155

COOLING SYSTEM

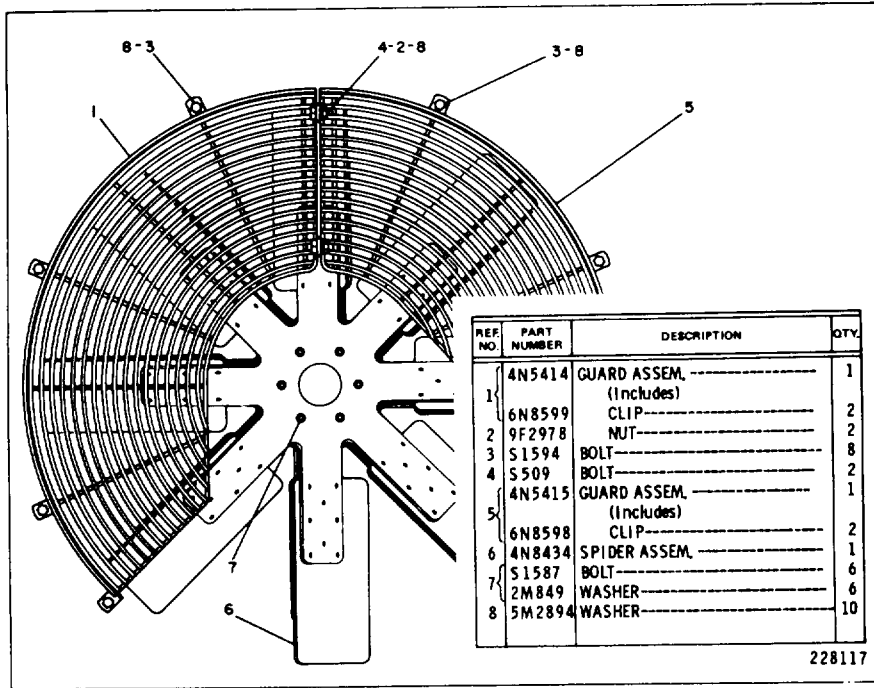
CATERPILLAR 621B TRACTOR

REF NO.	PART NUMBER	DESCRIPTION	QTY
1	2B947	BOLT-----	3
2	L1329	BOLT-----	2
3	1A2029	BOLT-----	8
4	5M2894	WASHER----	18
5	4N2842	BRACKET AS.-----	1
6	S1595	BOLT-----	4
7	1A1460	BOLT-----	2
8	4N2837	BRACKET AS.-----	1
9	S1588	BOLT-----	8
10	2S4024	HOSE-----	2
11	5P598	CLAMP-----	6
12	7N2545	BONNET-----	1
13	1D4717	NUT-----	2
20	7N2547	TUBE AS.-----	2
21	3B1915	BOLT-----	2
22	7N2551	BRACKET-----	1
23	6B4312	CLAMP-----	2
24	S1571	BOLT-----	2
25	WASHER 9M6527-----	4	
26	6L5457	GASKET-----	2
27	4N2857	BONNET-----	1
28	3J5389	PLUG-----	1
29	2A4591	STUD-----	1
30	1B4205	NUT-----	1



5R6741 WATER LINES GROUP (BRAKE RETARDER)

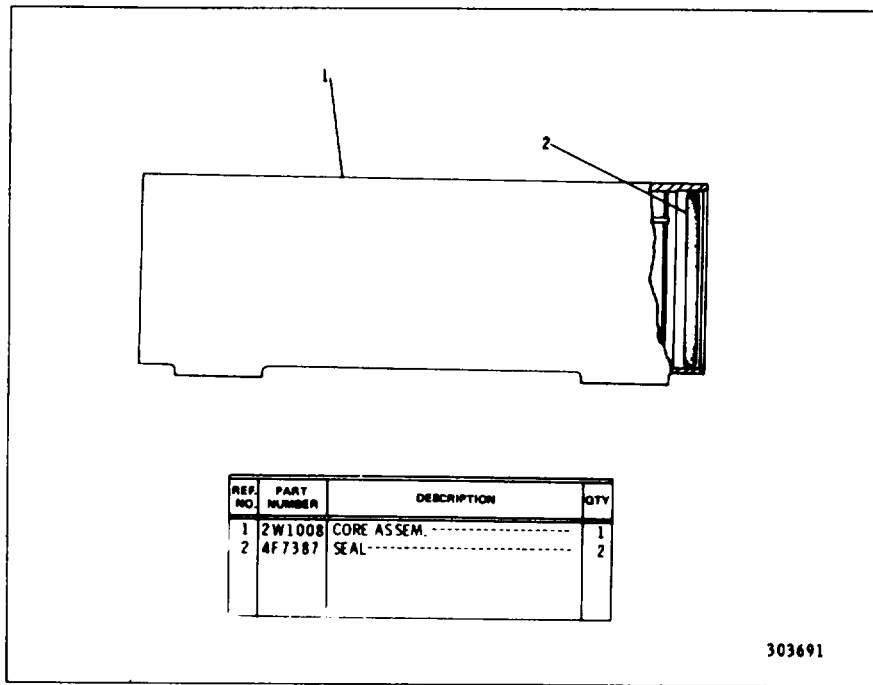
COOLING SYSTEM



4N2741 SUCTION FAN GROUP

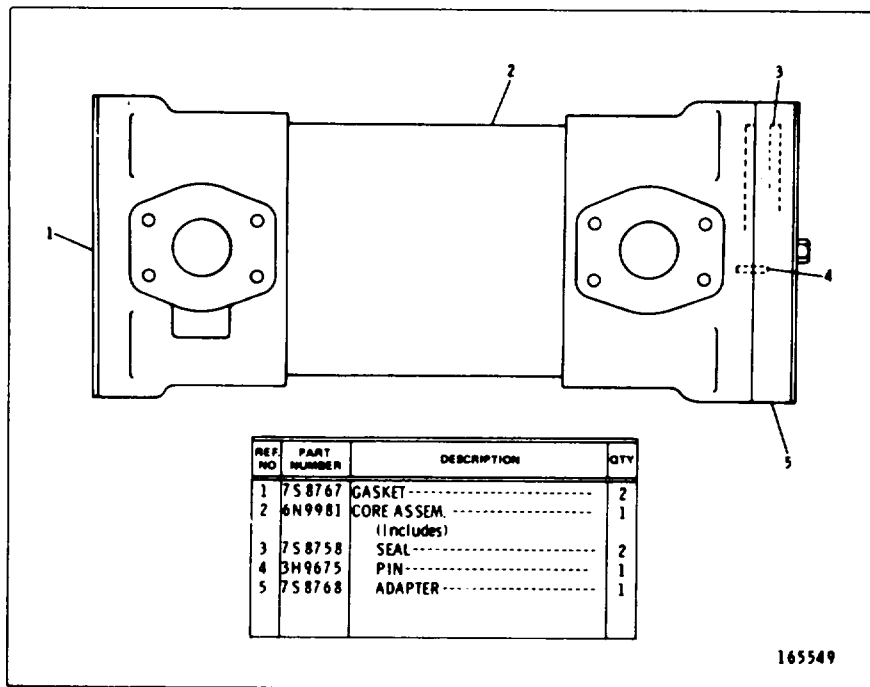
4N2741 SUCTION FAN GROUP

CATERPILLAR 621B TRACTOR



4N729 OIL COOLER GROUP

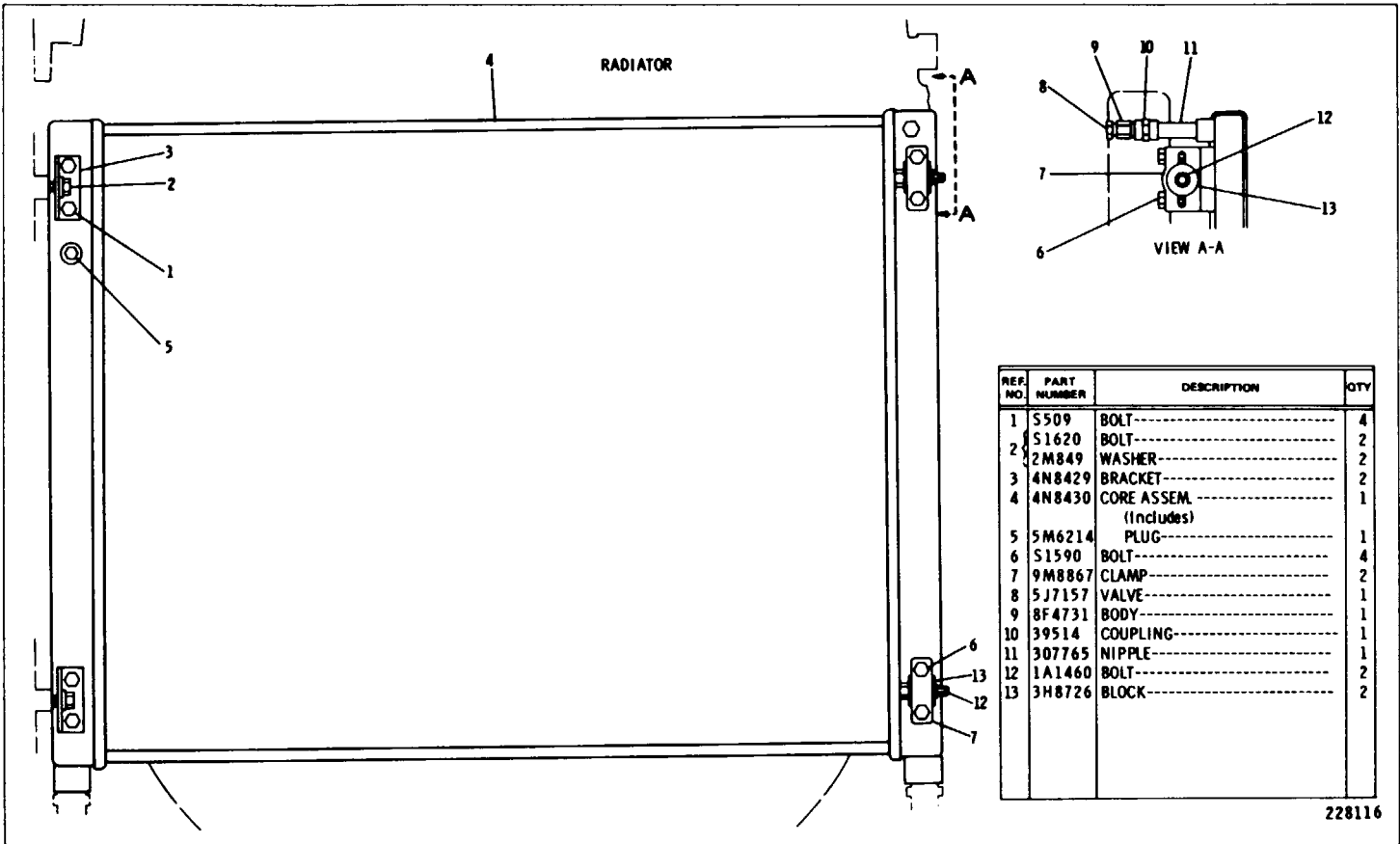
4N729 OIL COOLER GROUP



4N2856 BRAKE OIL COOLER GROUP

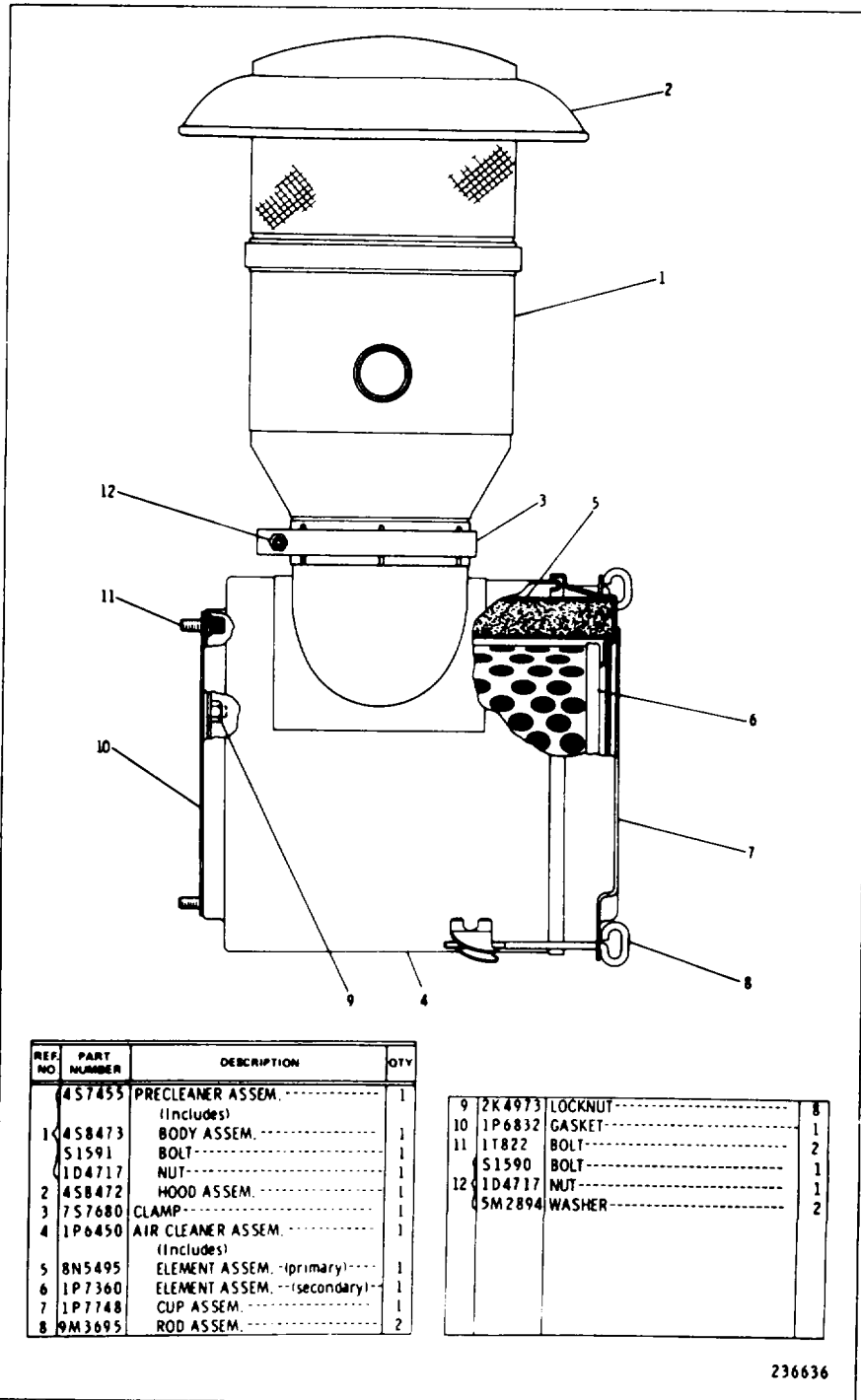
4N2737 TORQUE CONVERTER OIL COOLER GROUP

43



COOLING SYSTEM

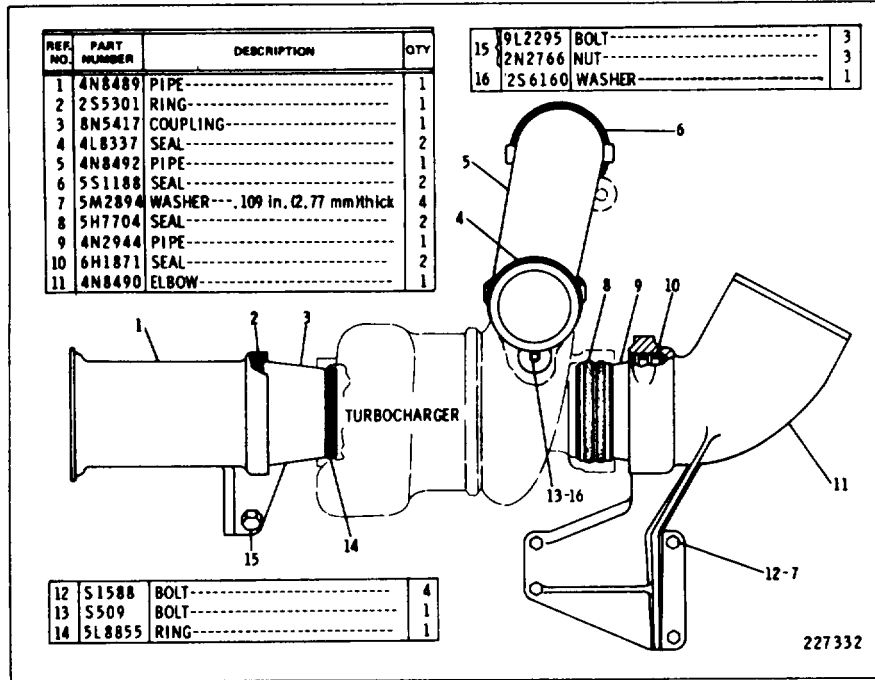
CATERPILLAR 621B TRACTOR



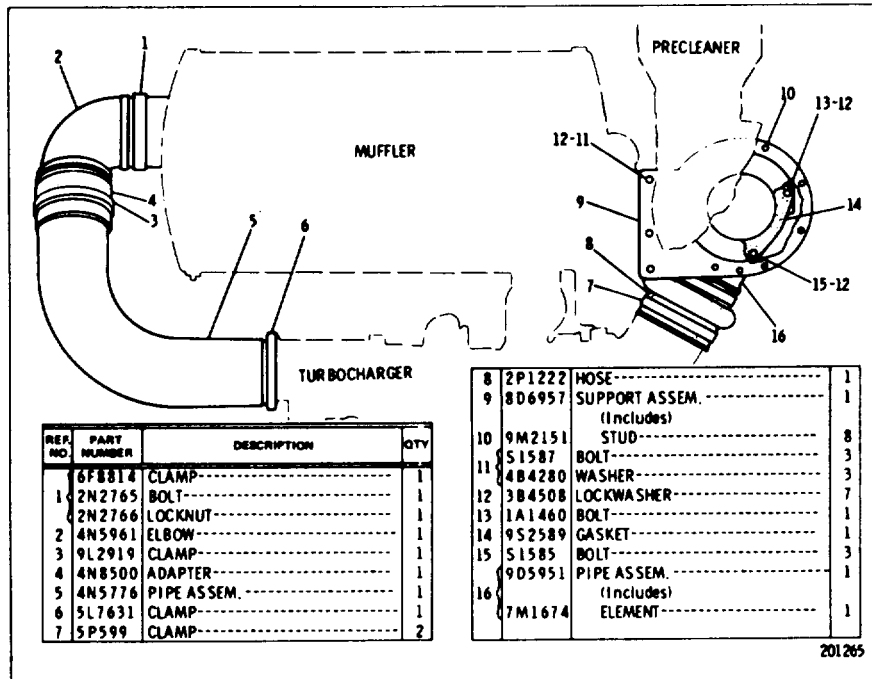
236636

4N2720 AIR CLEANER GROUP

INTAKE AND EXHAUST SYSTEM

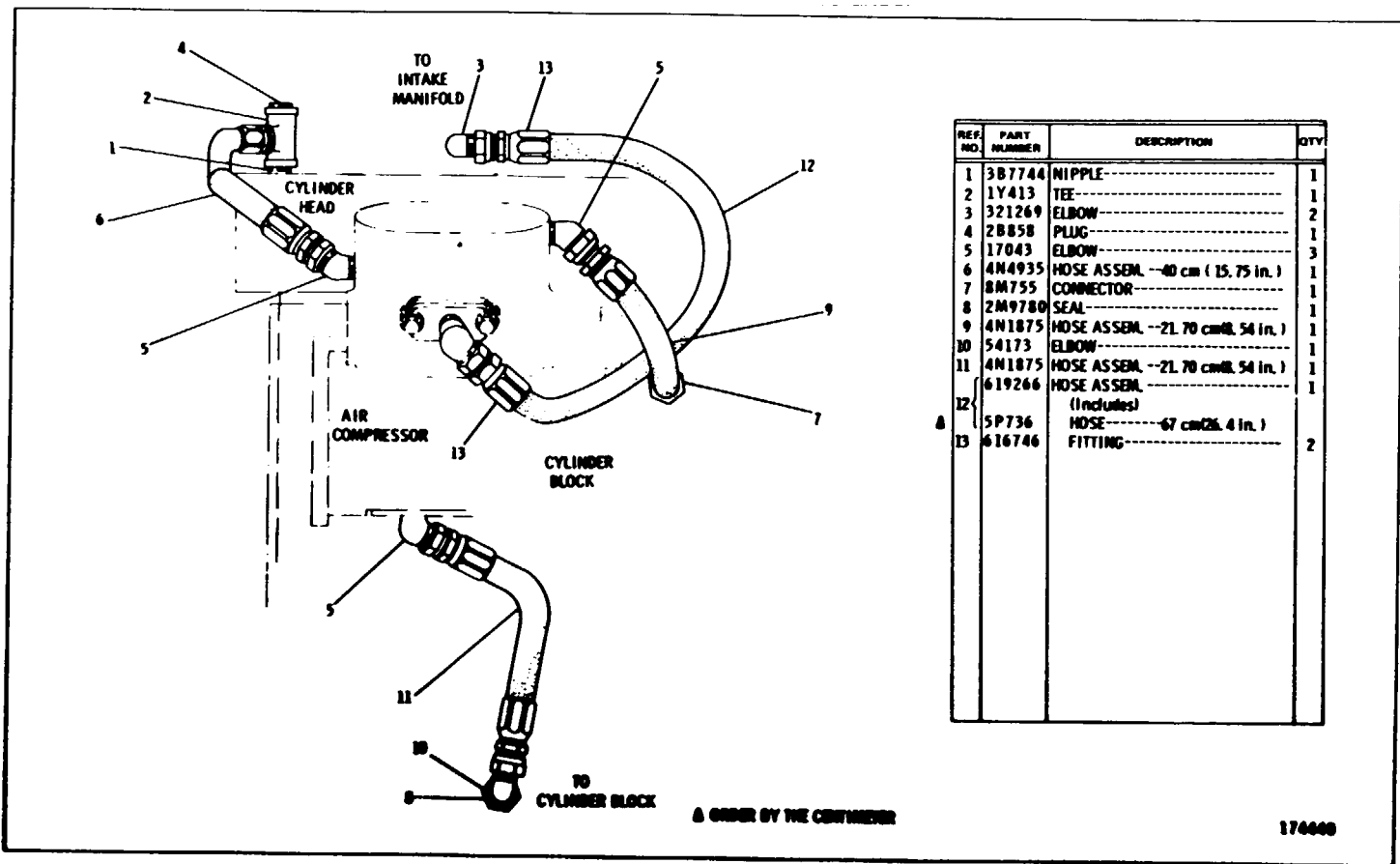


8N5416 AIR LINES GROUP



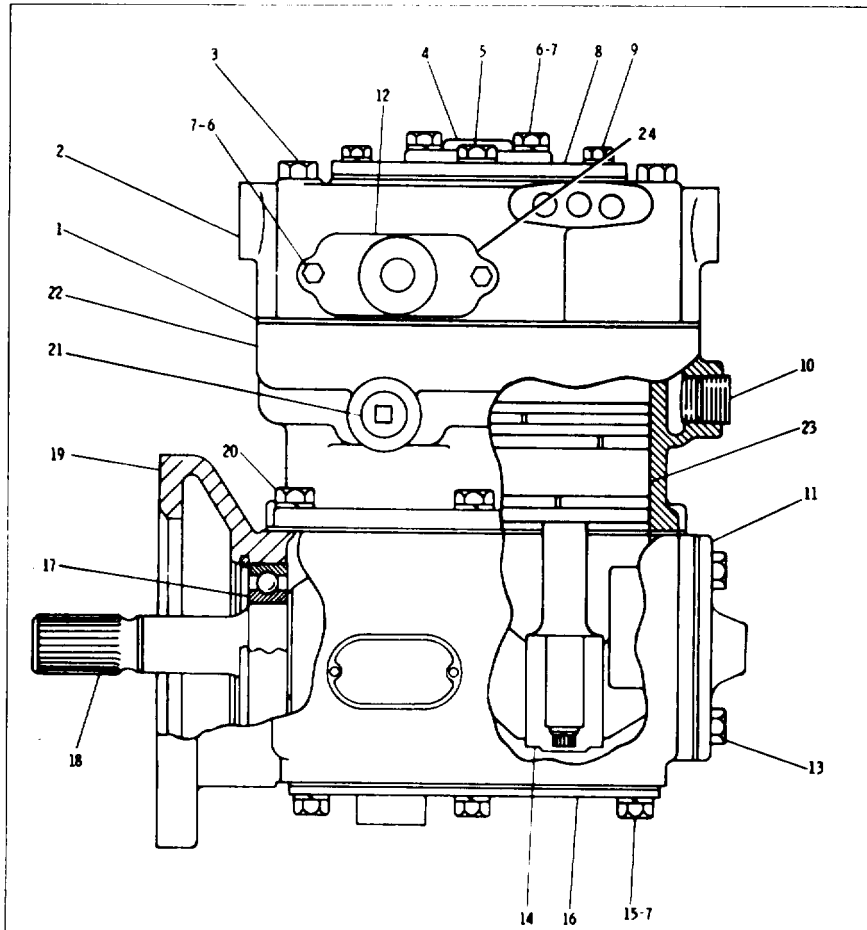
8D6970 AIR INES GROUP

CATERPILLAR 6218 TRACTOR



8N6024 AIR COMPRESSOR LINES GROUP

INTAKE AND EXHAUST SYSTEM



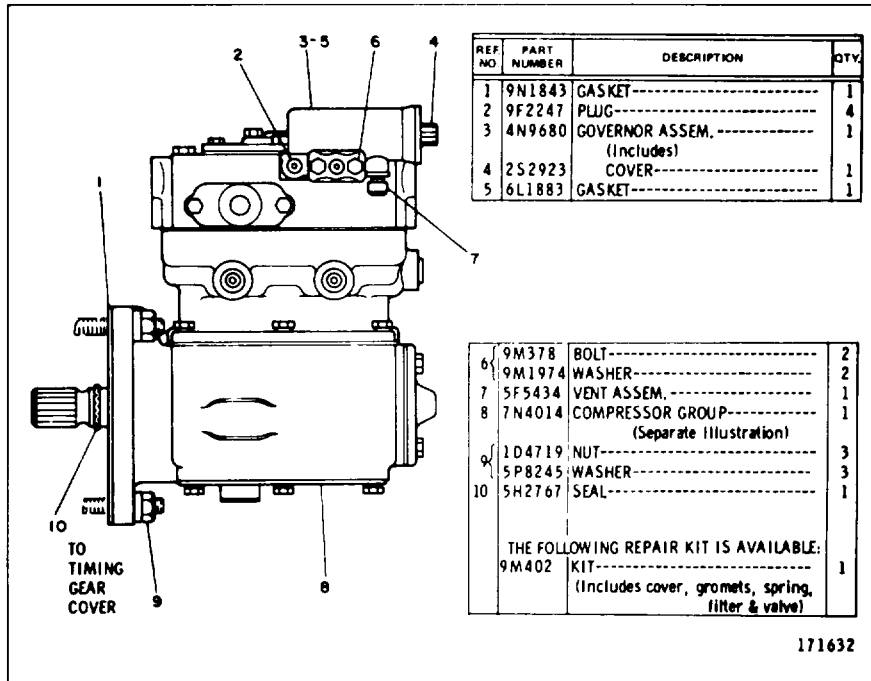
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7N7448	GASKET	1
2	7N7447	HEAD ASSEM.	1
3	S1619	BOLT	5
4	7N7449	ADAPTER	1
	1S7107	GASKET	1
5	L1352	BOLT	1
	5M2894	WASHER	1
6	2B2695	BOLT	4
7	3B4505	LOCKWASHER	10
8	7N7450	COVER	1
	7N7451	GASKET	1
9	S1615	BOLT	2
	3B4504	LOCKWASHER	2
10	2B858	PLUG	1
11	7N9707	COVER	1
	7N7442	GASKET	1
12	9M397	ADAPTER	1
13	344160	BOLT	4
14	7N7444	ROD ASSEM.	2
15	S1617	BOLT	6
	7N9706	PLATE	1
16	7N7440	GASKET	1
17	8H9789	BEARING	2
18	7N9708	CRANKSHAFT	1
19	7N9709	CRANKCASE	1
	1A2029	BOLT	6
20	3B4506	LOCKWASHER	6
21	4B4845	PLUG	2
22	7N7445	BLOCK	1
	7N7446	GASKET	1
23	7N7443	PISTON ASSEM.	2
24	8M7065	GASKET	1

THE FOLLOWING REPAIR KITS ARE AVAILABLE:
 7N7435 KIT (major repair) 1
 (Includes Stops, Springs, Seats, Guides, Gaskets ect.)
 7N7436 KIT (piston rings) 1

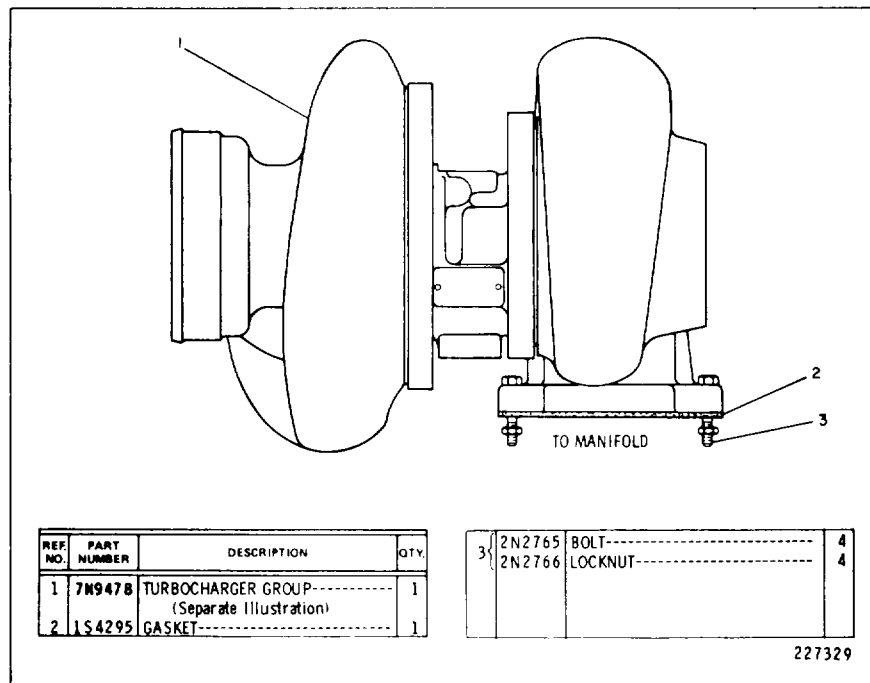
171633

7N4014 AIR COMPRESSOR GROUP
 Part of 7N6294 Air Compressor Group shown on Page 48

CATERPILLAR 621B TRACTOR

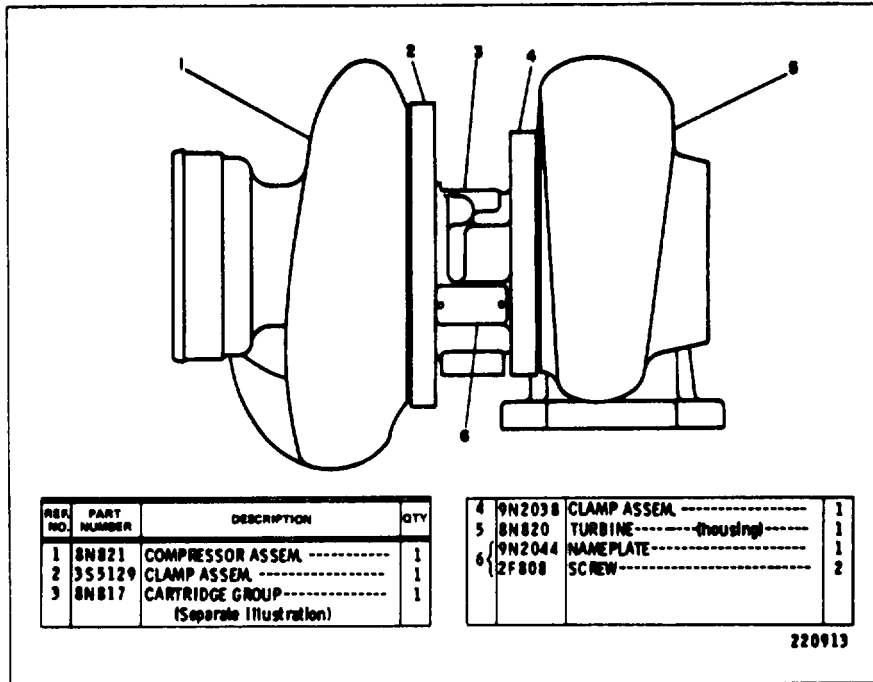


7N6294 AIR COMPRESSOR GROUP
7N4014 Compressor parts are shown on Page 47



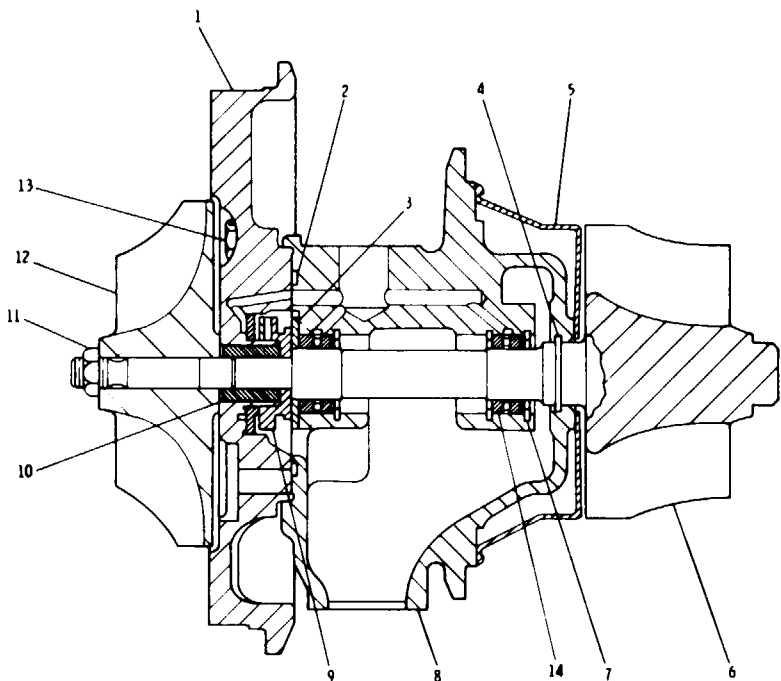
8N5444 TURBOCHARGER GROUP
7N9478 Turbocharger Group shown on Page 49

INTAKE AND EXHAUST SYSTEM



7N9478 TURBOCHARGER GROUP--Field Installation
 Part of 8N5444 Turbocharger Group shown on Page 48
 8N817 Cartridge parts are shown on Page 50

8N817 TURBOCHARGER CARTRIDGE GROUP
Part of 7N9478 Turbocharger Group shown on Page 49



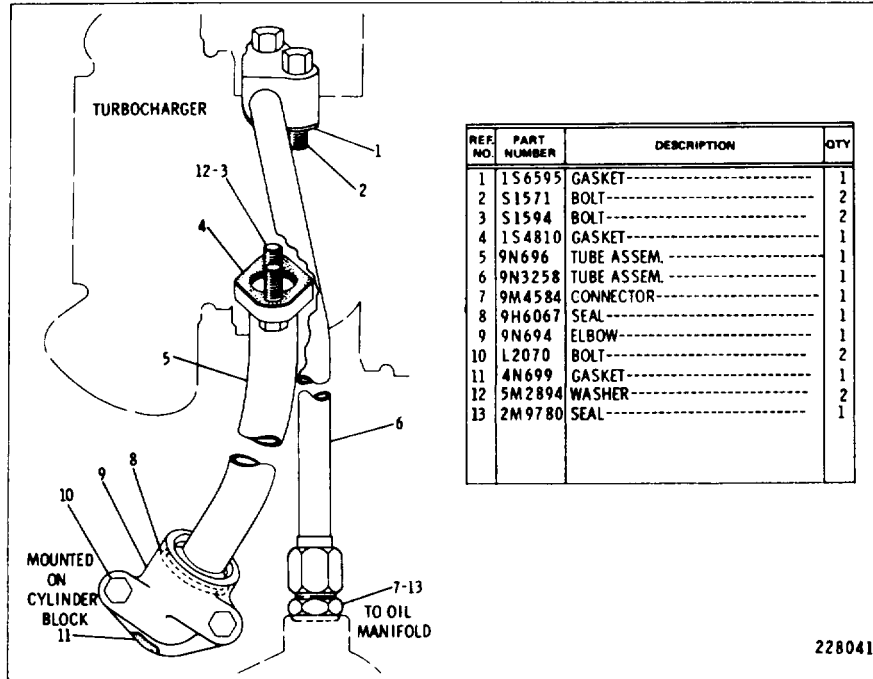
● NOTE: 1W7212 REBUILT CARTRIDGE GROUP IS AVAILABLE FOR FIELD REPLACEMENT.

● NOT PART OF 8N817 CARTRIDGE GROUP
▲ NOT SHOWN - MOUNTED ON CARTRIDGE ASSEM.

182212

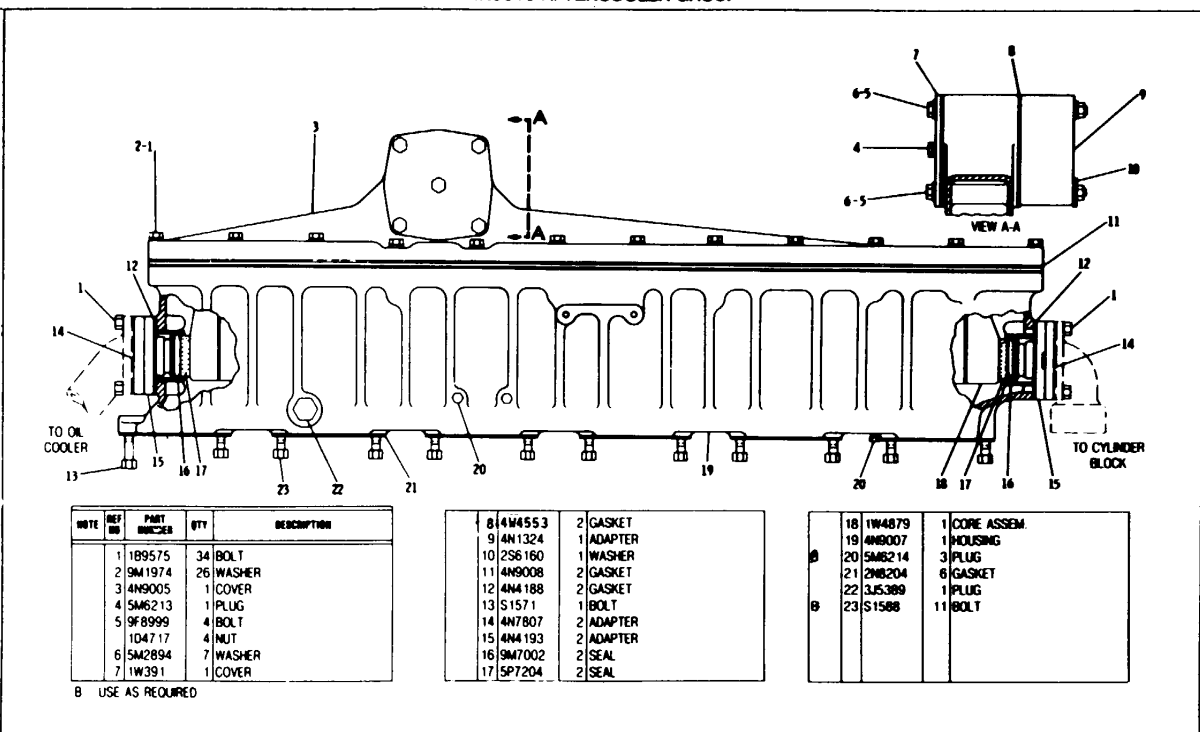
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8N819	BACKPLATE ASSEM.-----	1
2	1P1120	RING-----	1
3	6N5004	BEARING-----	1
4	7N3759	RING-----	1
5	7N3760	SHROUD-----	1
6	6N8632	SHAFT AND WHEEL ASSEM.-----	1
7	9M8915	RING-----	3
8	9N2035	HOUSING ASSEM.-----	1
		(Includes)	
	4M6646	PIN-----	2
9	9M8911	COLLAR-----	1
10	9N2046	SPACER-----	1
	9M8919	RING-----	2
11	3S4484	NUT-----	1
12	8N818	WHEEL-----	1
	51616	BOLT-----	4
13	9N2036	PLATE-----	4
14	9N2041	KIT----- (bearing)-----	1
		(Includes 2 bearings & 2 washers)	
▲	9N2047	PLATE----- (name)-----	1
▲	2F808	SCREW-----	2
	7N3193	BEARING REPLACEMENT GROUP---	1
		(.005 in. Oversize O. D. & .005 in. Undersize I. D.)	
		- OR -	
	7N3194	BEARING REPLACEMENT GROUP--	1
		(.010 in. Oversize O. D. & .010 in. Undersize I. D.)	
		(Each Group Includes 2 Bearings & 2 Washers)	

INTAKE AND EXHAUST SYSTEM



9N13 TURBOCHARGER OIL LINES GROUP

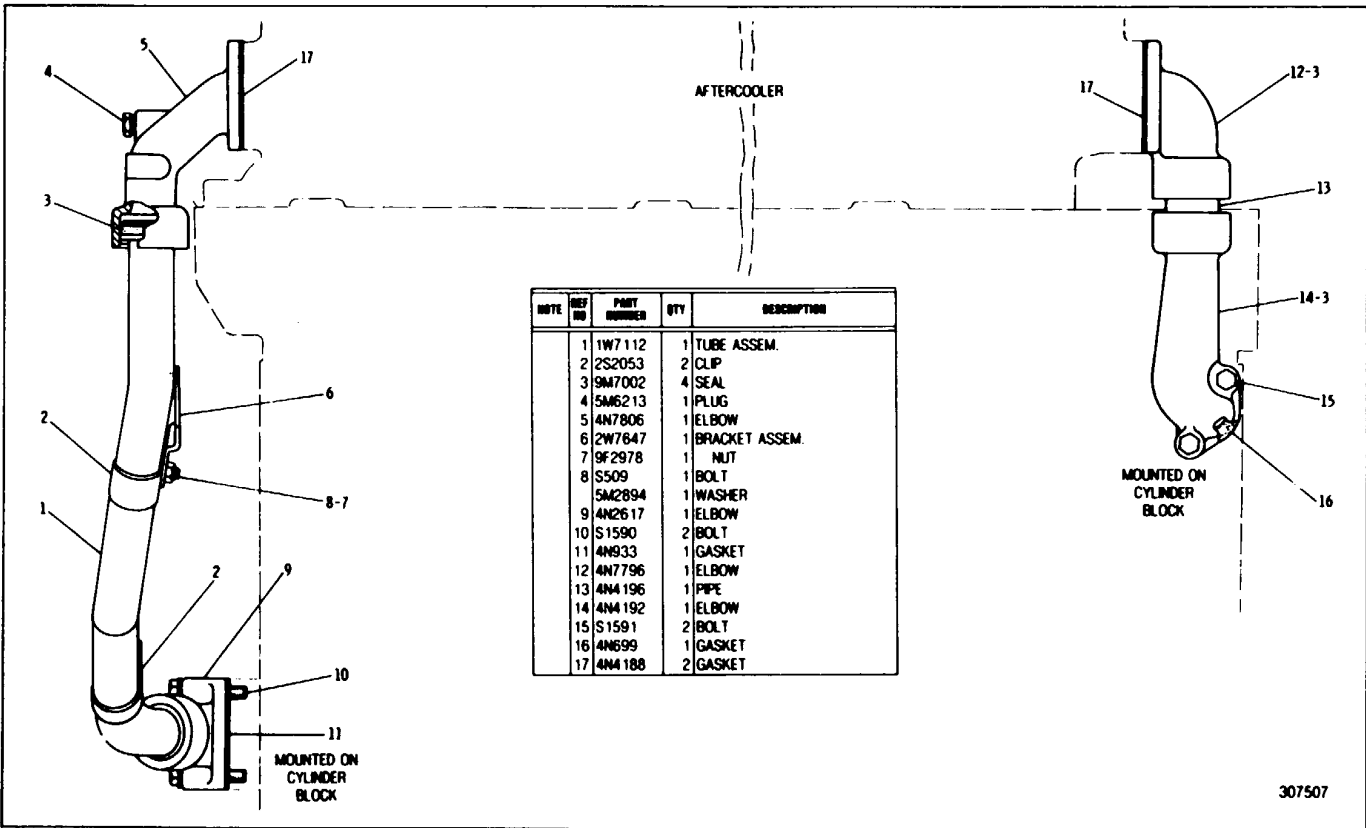
8N817 TURBOCHARGER CARTRIDGE GROUP
 Part of 7N9478 Turbocharger Group Shown on Page 49



4N9010 AFTERCOOLER GROUP

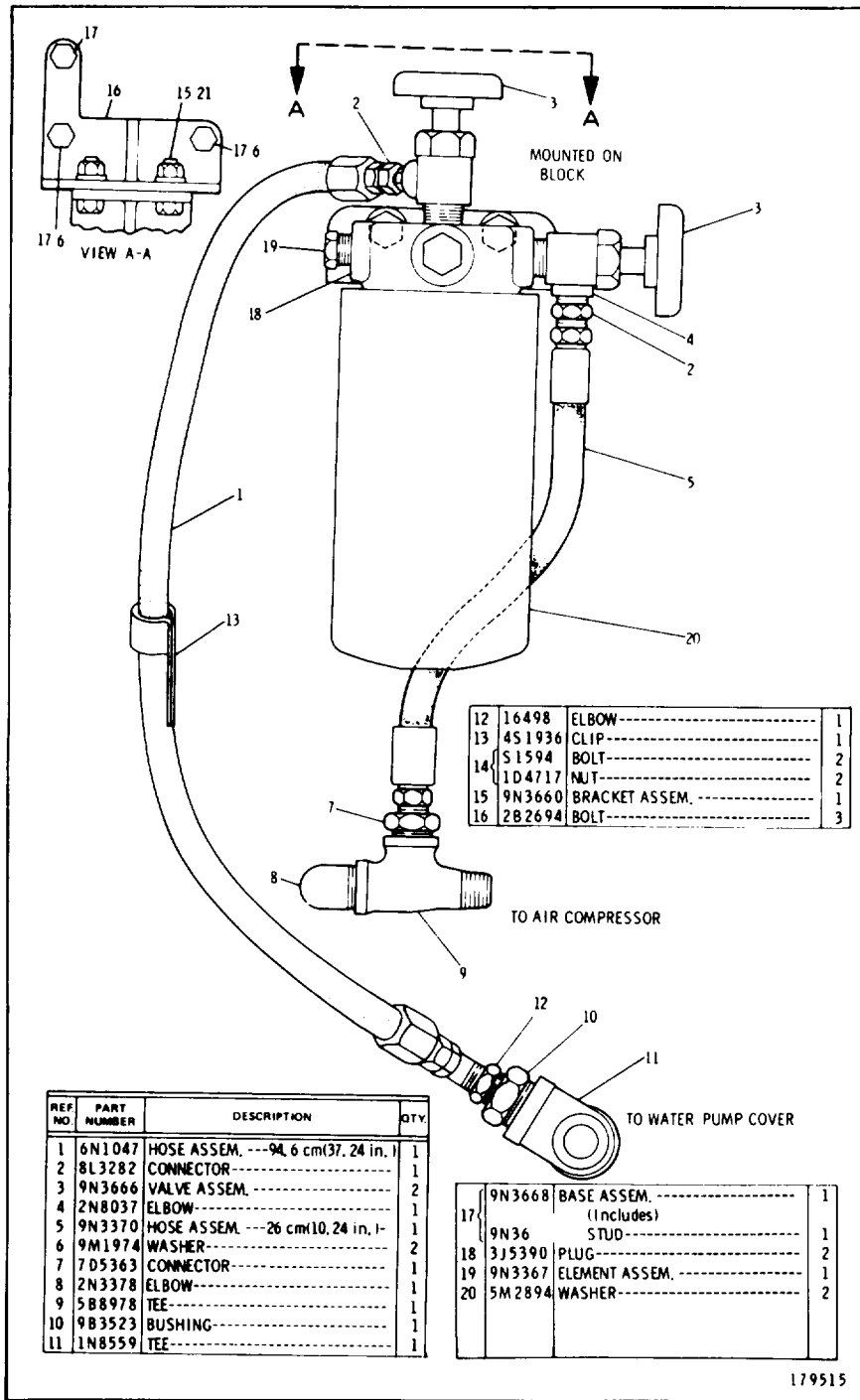
4N2474 AFTERCOOLER WATER LINES GROUP

53



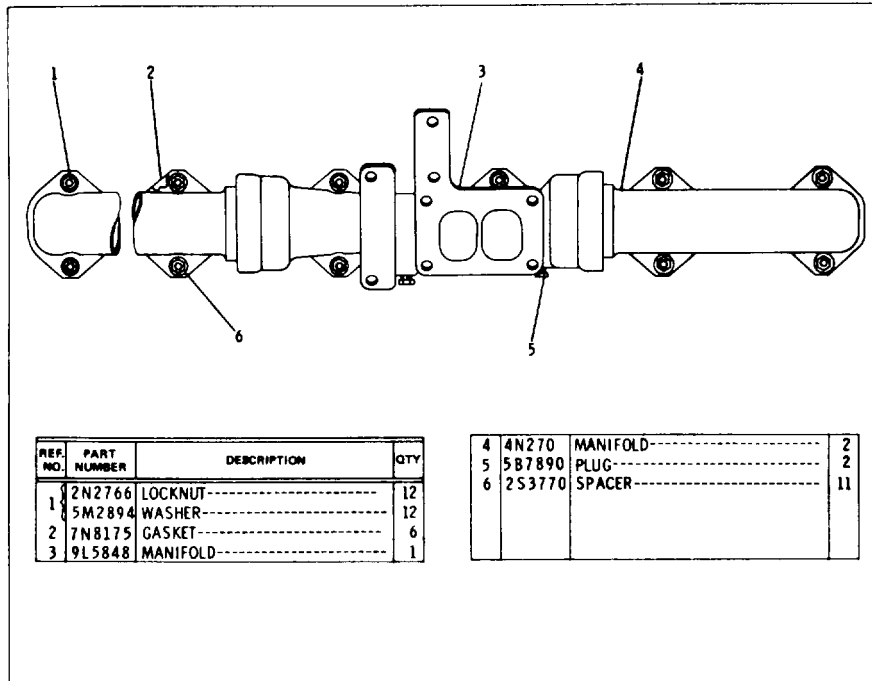
INTAKE AND EXHAUST SYSTEM

CATERPILLAR 621B TRACTOR

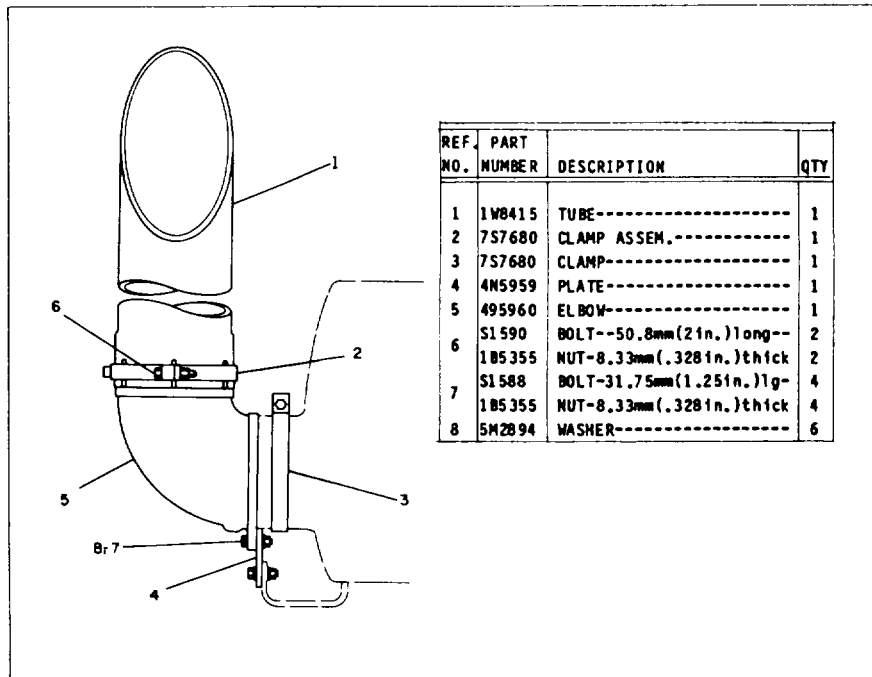


8N5407 AFTERCOOLER COOLANT FILTER GROUP

INTAKE AND EXHAUST SYSTEM55

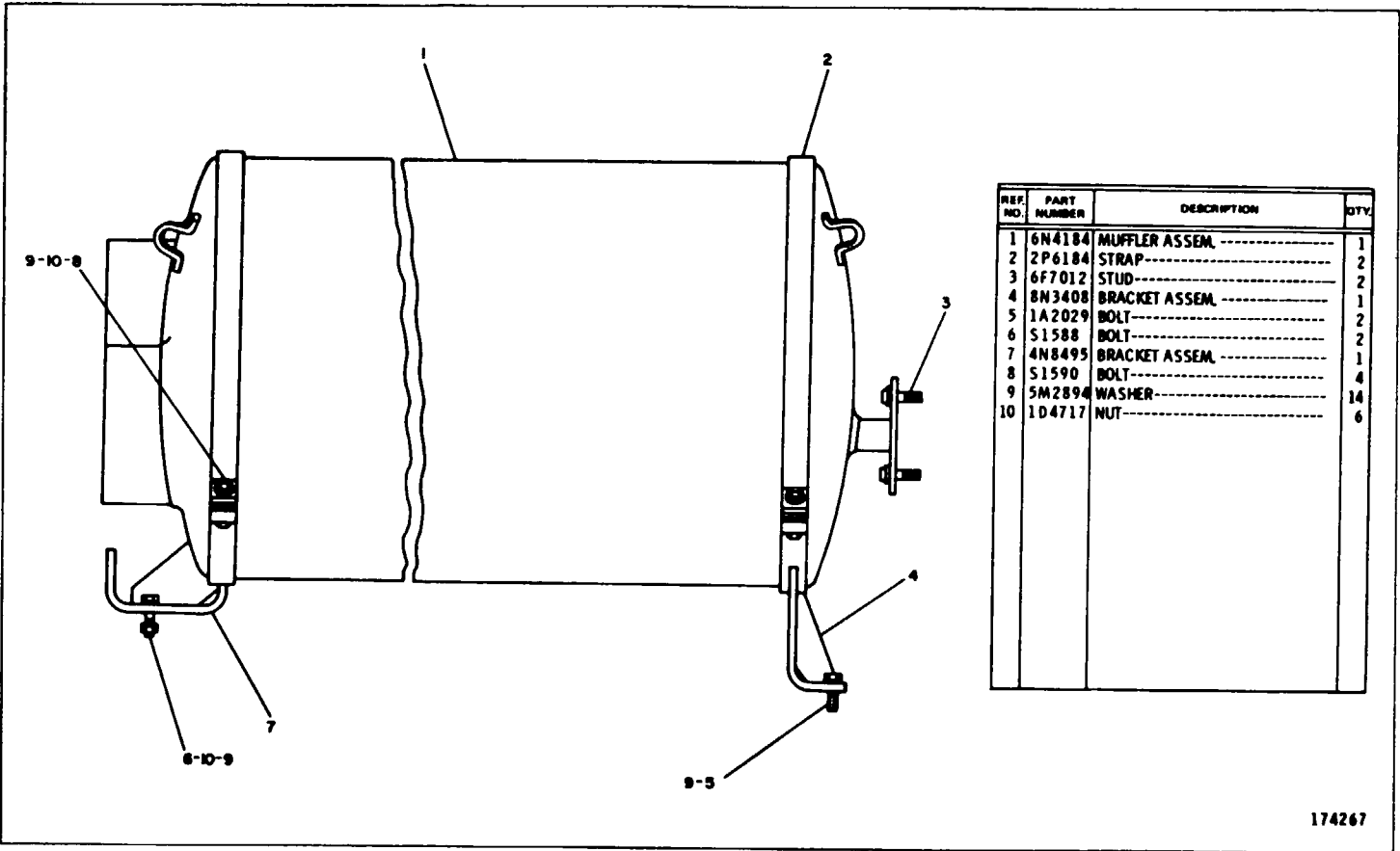


9N22 EXHAUST MANIFOLD GROUP



4N2740 EXHAUST EXTENSION GROUP

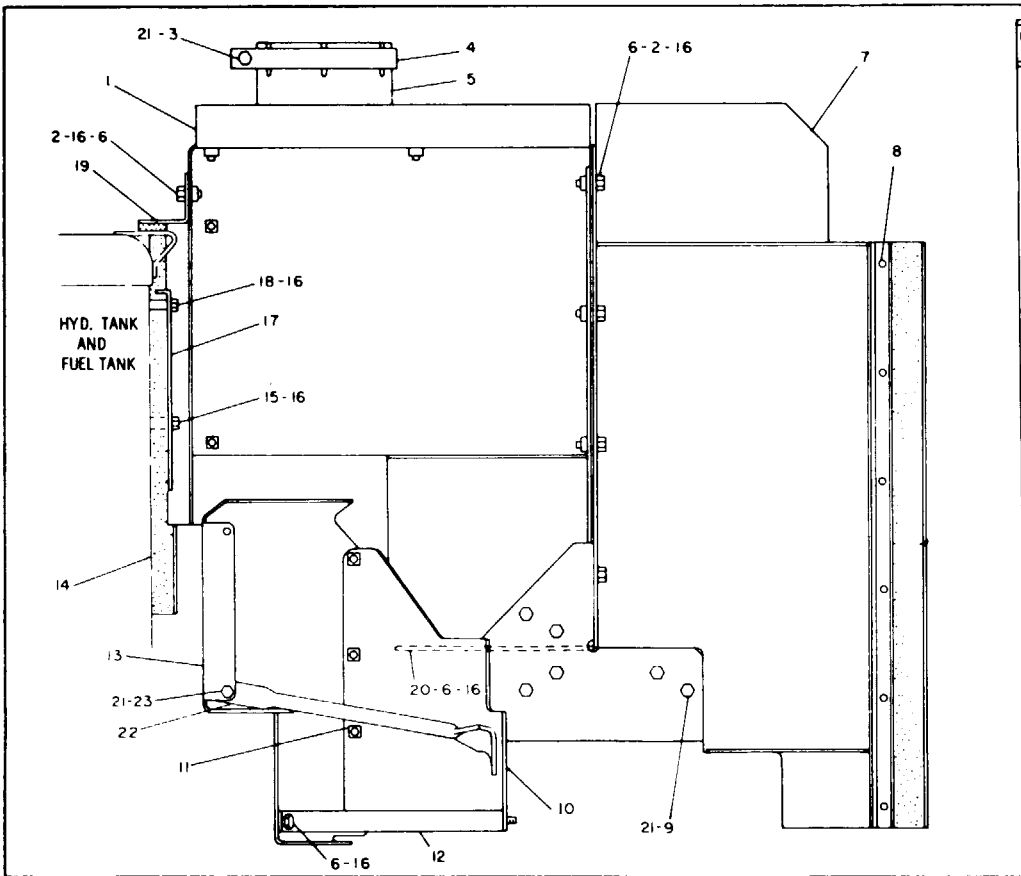
CATERPILLAR 621B TRACTOR



8N3592 MUFFLER GROUP

6G3400 ENGINE COMPARTMENT SHIELD GROUP

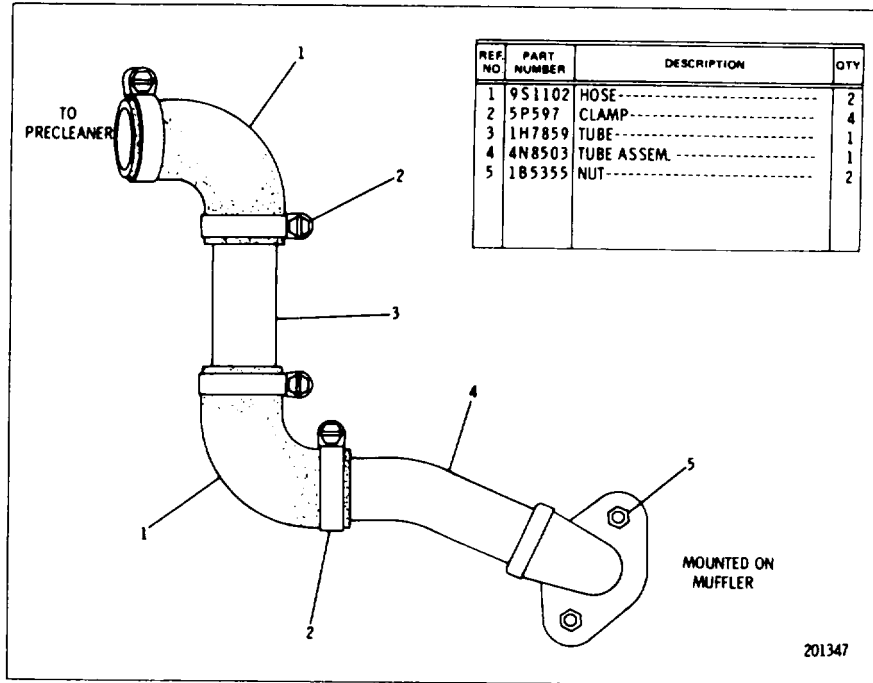
57



REF NO	PART NUMBER	DESCRIPTION	QTY
1	6G7206	DEFLECTOR ASSEM. ----- (Includes)	1
2	9F2978	NUT-----	14
3	310219	BOLT-----	1
	1D4717	NUT-----	1
4	2R1159	CLAMP-----	1
5	6G7207	COLLAR ASSEM. -----	1
	5T5380	ADAPTER-----	1
6	5D353	BOLT-----	24
7	6G7208	DEFLECTOR ASSEM. ----- (Includes)	1
8	6B4594	RIVET-----	6
9	2J3118	BOLT-----	6
10	6G7226	SUPPORT ASSEM. ----- (Includes)	1
11	9F2978	NUT-----	4
12	6G7259	PLATE-----	1
	6G7289	SHIELD ASSEM. ----- (Includes)	1
13	9F2978	NUT-----	1
14	6G7897	BAFFLE ASSEM. -----	1
15	5K9107	BOLT-----	2
16	9L9132	WASHER-----	24
17	6G2162	SHIELD ASSEM. -----	1
18	T573	BOLT-----	1
19	6G7887	BAFFLE ASSEM. -----	1
20	6G7258	PLATE-----	1
21	5M2894	WASHER-----	9
	8N3597	BRACE ASSEM. ----- (Includes)	1
22	9F2978	NUT---(weld)-----	1
23	S1591	BOLT-----	1

INTAKE AND EXHAUST SYSTEM

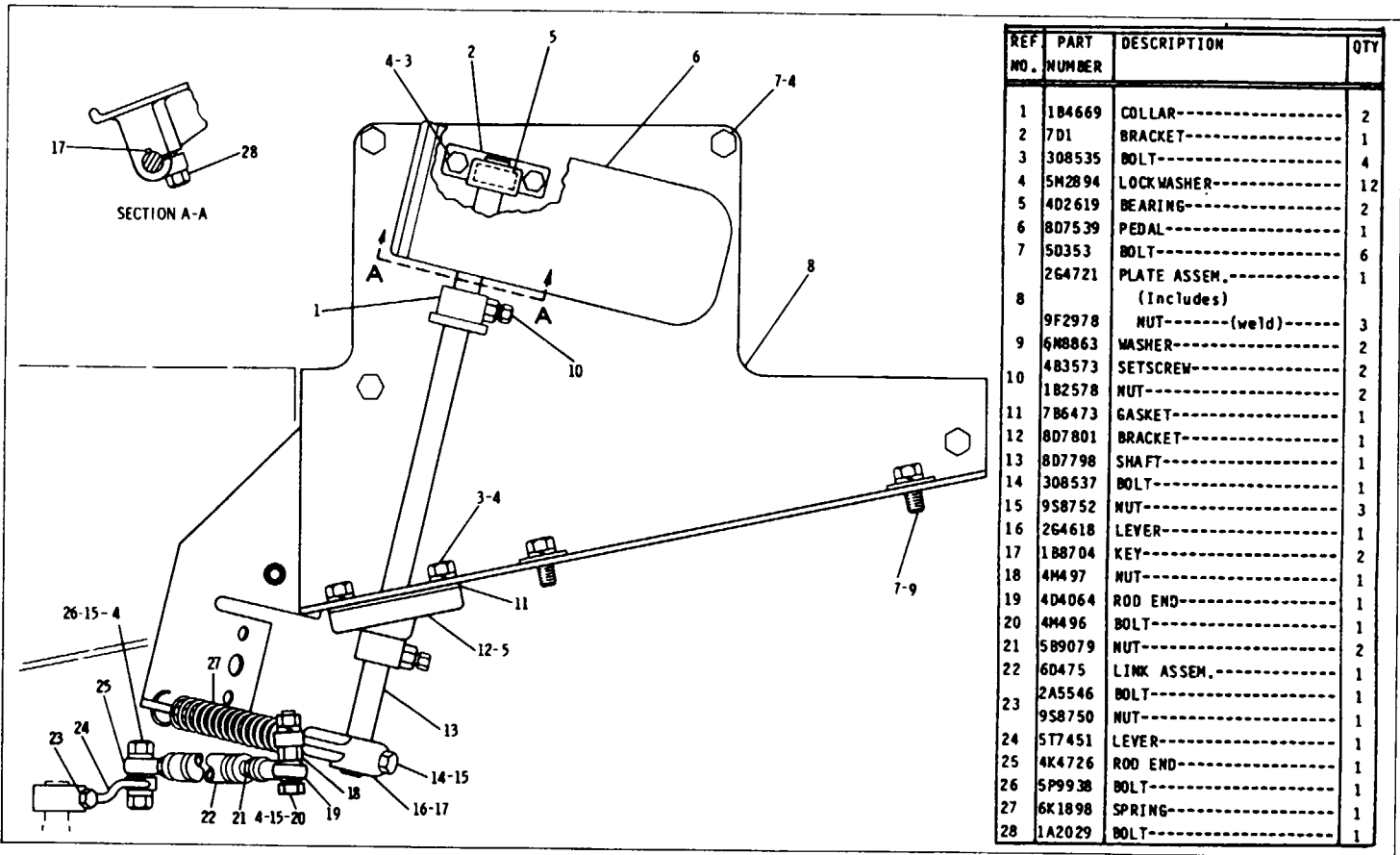
CATERPILLAR 621B TRACTOR



4N2739 DUST EJECTOR GROUP

8D7805 GOVERNOR CONTROL GROUP

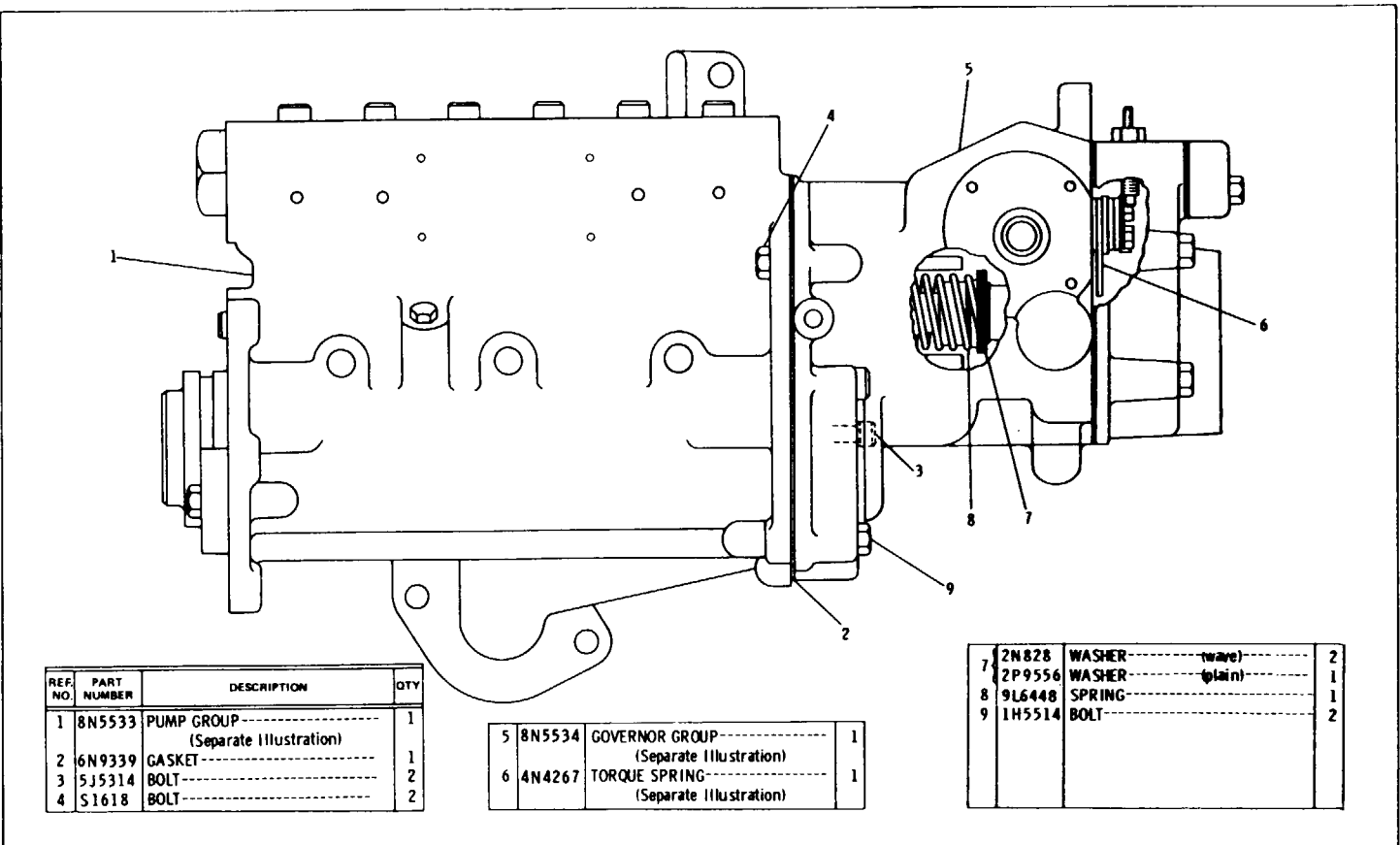
59



REF. MO.	PART NUMBER	DESCRIPTION	QTY
1	1B4669	COLLAR-----	2
2	7D1	BRACKET-----	1
3	308535	BOLT-----	4
4	5M2894	LOCKWASHER-----	12
5	4D2619	BEARING-----	2
6	8D7539	PEDAL-----	1
7	50353	BOLT-----	6
8	264721	PLATE ASSEM.-----	1
		(Includes)	
9	9F2978	NUT----- (weld)-----	3
9	6M8863	WASHER-----	2
10	4B3573	SETSCREW-----	2
	1B2578	NUT-----	2
11	7B6473	GASKET-----	1
12	8D7801	BRACKET-----	1
13	8D7798	SHAFT-----	1
14	308537	BOLT-----	1
15	9S8752	NUT-----	3
16	264618	LEVER-----	1
17	1B8704	KEY-----	2
18	4M497	NUT-----	1
19	4D4064	ROD END-----	1
20	4M496	BOLT-----	1
21	5B9079	NUT-----	2
22	6D475	LINK ASSEM.-----	1
23	2A5546	BOLT-----	1
	9S8750	NUT-----	1
24	5T7451	LEVER-----	1
25	4K4726	ROD END-----	1
26	5P9938	BOLT-----	1
27	6K1898	SPRING-----	1
28	1A2029	BOLT-----	1

FUEL SYSTEM AND GOVERNOR

CATERPILLAR 621B TRACTOR



7	2N828	WASHER-----	(wavy)	2
	2P9556	WASHER-----	(plain)	1
8	9L6448	SPRING-----		1
9	1H5514	BOLT-----		2

5	8N5534	GOVERNOR GROUP-----		1
		(Separate Illustration)		
6	4N4267	TORQUE SPRING-----		1
		(Separate Illustration)		

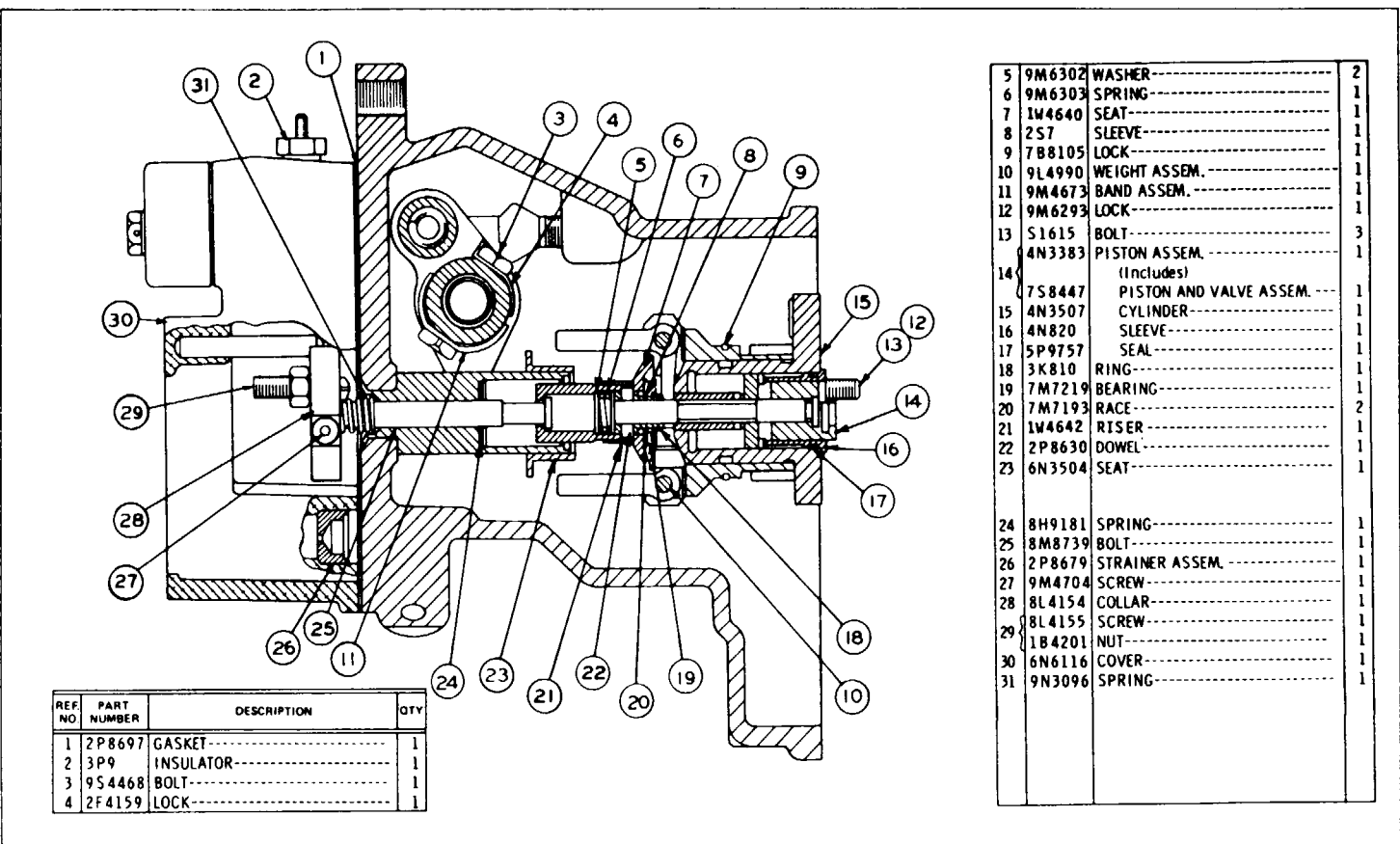
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8N5533	PUMP GROUP-----	1
		(Separate Illustration)	
2	6N9339	GASKET-----	1
3	5J5314	BOLT-----	2
4	S1618	BOLT-----	2

8N5535 GOVERNOR AND FUEL EJECTION PUMP GROUP

8N5534 Governor, 8N5533 Pump and 4N4267 Torque Control parts are shown on pages 61, 62, 63, and 64

FUEL SYSTEM AND GOVERNOR

TM 5-3805-248-14&P-4



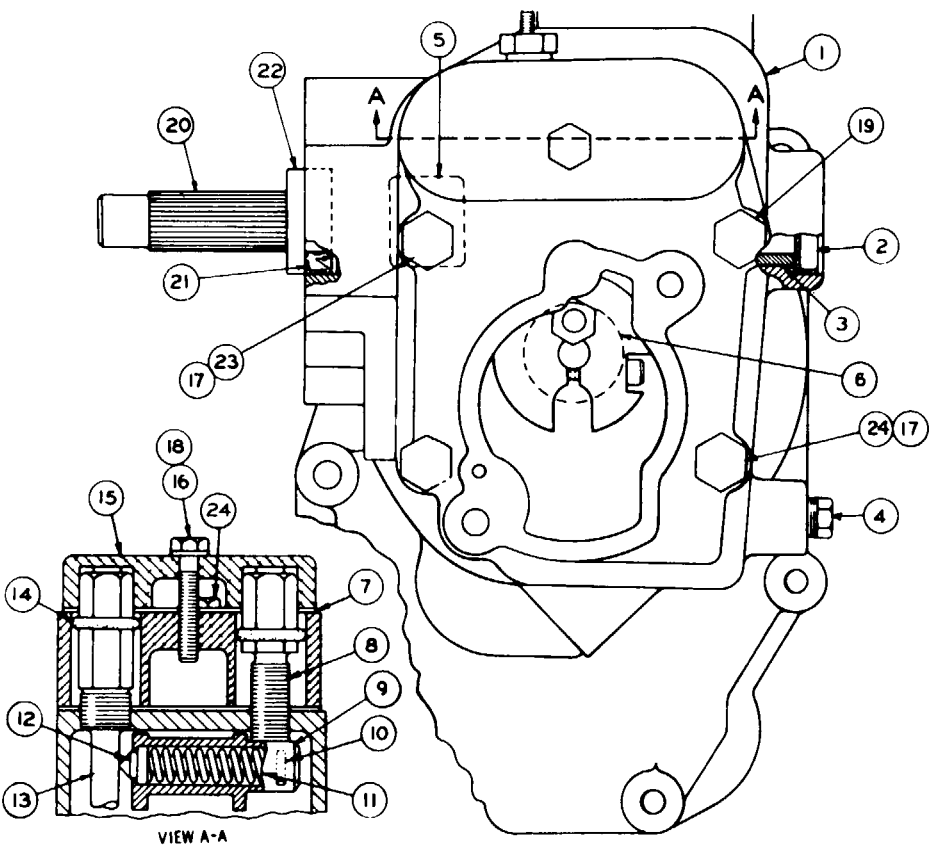
5	9M6302	WASHER-----	2
6	9M6303	SPRING-----	1
7	1W4640	SEAT-----	1
8	2S7	SLEEVE-----	1
9	7B8105	LOCK-----	1
10	9L4990	WEIGHT ASSEM.-----	1
11	9M4673	BAND ASSEM.-----	1
12	9M6293	LOCK-----	1
13	S1615	BOLT-----	3
14	4N3383	PISTON ASSEM.-----	1
		(Includes)	
	7S8447	PISTON AND VALVE ASSEM.---	1
15	4N3507	CYLINDER-----	1
16	4N820	SLEEVE-----	1
17	5P9757	SEAL-----	1
18	3K810	RING-----	1
19	7M7219	BEARING-----	1
20	7M7193	RACE-----	2
21	1W4642	RISER-----	1
22	2P8630	DOWEL-----	1
23	6N3504	SEAT-----	1
24	8H9181	SPRING-----	1
25	8M8739	BOLT-----	1
26	2P8679	STRAINER ASSEM.-----	1
27	9M4704	SCREW-----	1
28	8L4154	COLLAR-----	1
29	8L4155	SCREW-----	1
29	1B4201	NUT-----	1
30	6N6116	COVER-----	1
31	9N3096	SPRING-----	1

REF. NO	PART NUMBER	DESCRIPTION	QTY
1	2P8697	GASKET-----	1
2	3P9	INSULATOR-----	1
3	9S4468	BOLT-----	1
4	2F4159	LOCK-----	1

8N5534 GOVERNOR GROUP - Part 1
 Part of 8N5535 Governor & Fuel Injection Pump Group shown on Page 60

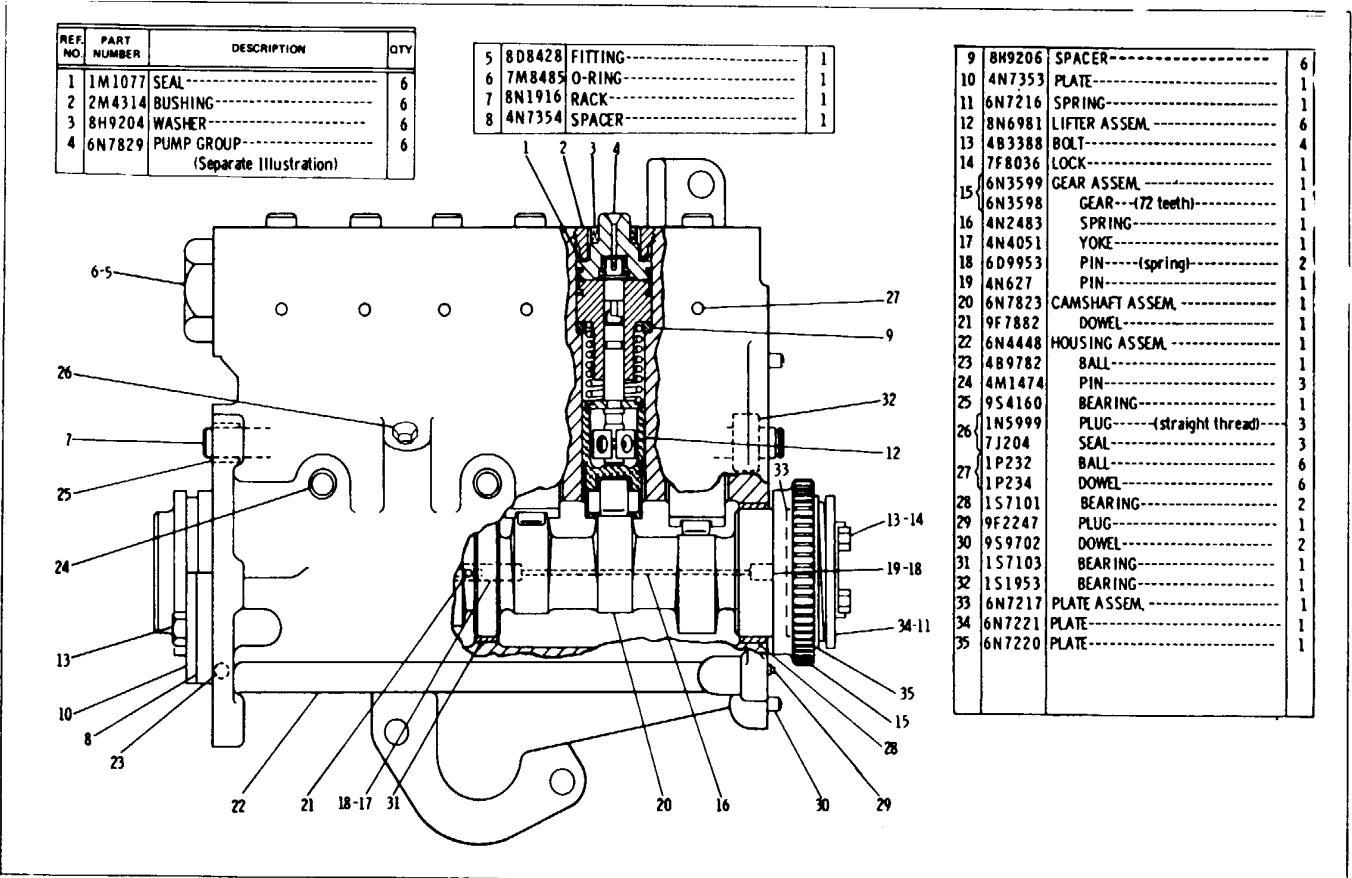
CATERPILLAR 621B TRACTOR

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	7N2333	HOUSING ASSEM.	1
		(Includes)	
2	4F4585	PLUG.....	1
3	8S134	BEARING.....	1
4	4N4879	PLUG.....	1
5	9S798	BEARING.....	1
6	8M8403	GUIDE.....	1
7	5L8991	GASKET.....	1
8	8S8952	SCREW.....(high idle)	1
	2W1494	LEVER ASSEM.	1
9		(Includes)	
	2W1491	LEVER ASSEM.	1
10	5H1351	PIN.....	1
11	5S9635	SPRING.....	1
12	9M9788	PLUNGER.....	1
13	5L8997	SCREW.....(low idle)	1
14	2J157	SEAL.....	2
15	5L8992	COVER.....	1
16	5P6945	BOLT.....	1
17	9M1974	WASHER.....	4
18	4B9747	WASHER.....	1
19	9M8720	BOLT.....	1
20	8L8883	SHAFT.....	1
21	5P3272	SEAL.....	1
22	8H9204	WASHER.....	1
23	2B2694	BOLT.....	1
24	5B5620	BOLT.....	3



8N5534 GOVERNOR GROUP—part 2
 Part of 8N5535 Governor & Fuel Injection Pump shown on Page 60

FUEL SYSTEM AND GOVERNOR



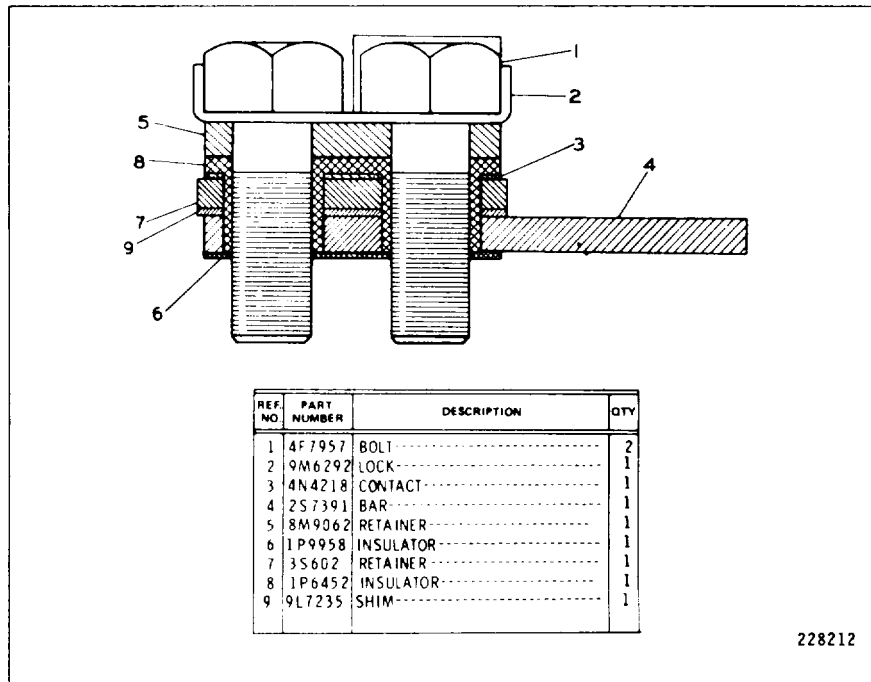
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1M1077	SEAL-----	6
2	2M4314	BUSHING-----	6
3	8H9204	WASHER-----	6
4	6N7829	PUMP GROUP----- (Separate Illustration)	6

5	8DB428	FITTING-----	1
6	7M8485	O-RING-----	1
7	8N1916	RACK-----	1
8	4N7354	SPACER-----	1

9	8H9206	SPACER-----	6
10	4N7353	PLATE-----	1
11	6N7216	SPRING-----	1
12	8N6981	LIFTER ASSEM.-----	6
13	4B3388	BOLT-----	4
14	7F8036	LOCK-----	1
15	6N3599	GEAR ASSEM.-----	1
	6N3598	GEAR--(72 teeth)-----	1
16	4N2483	SPRING-----	1
17	4N4051	YOKE-----	1
18	6D9953	PIN--(spring)-----	2
19	4N627	PIN-----	1
20	6N7823	CAMSHAFT ASSEM.-----	1
21	9F7882	DOWEL-----	1
22	6N4448	HOUSING ASSEM.-----	1
23	4B9782	BALL-----	1
24	4M1474	PIN-----	3
25	9S4160	BEARING-----	1
	1N5999	PLUG--(straight thread)-----	3
26	7J204	SEAL-----	3
27	1P232	BALL-----	6
	1P234	DOWEL-----	6
28	1S7101	BEARING-----	2
29	9F2247	PLUG-----	1
30	9S9702	DOWEL-----	2
31	1S7103	BEARING-----	1
32	1S1953	BEARING-----	1
33	6N7217	PLATE ASSEM.-----	1
34	6N7221	PLATE-----	1
35	6N7220	PLATE-----	1

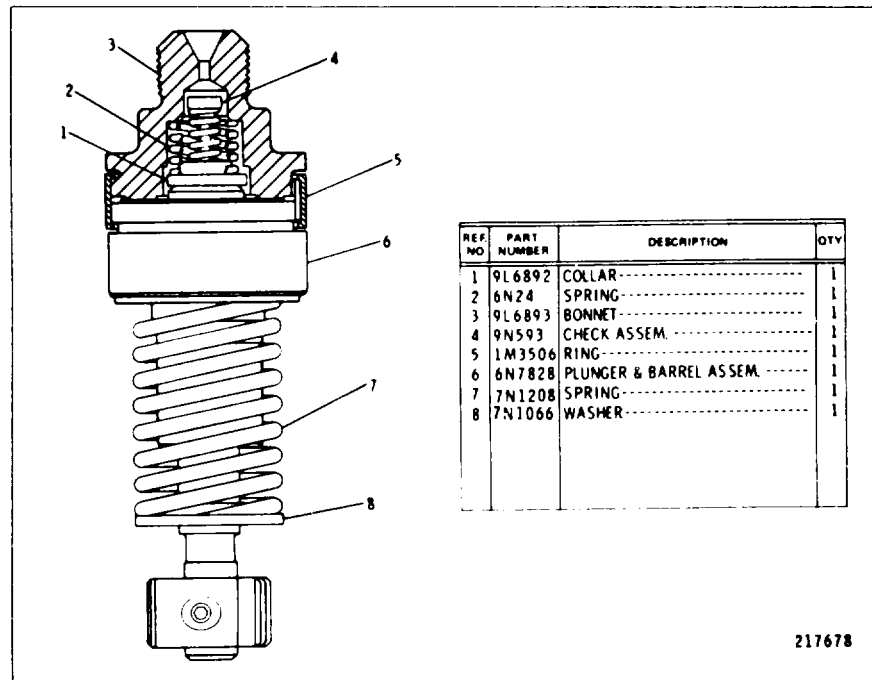
8N5533 FUEL INJECTION PUMP GROUP
Part of 8N5535 Governor & Fuel Injection Pump Group shown on Page 60

CATERPILLAR 621B TRACTOR



4N4267 TORQUE CONTROL GROUP

Part of 8N5535 Governor & Fuel Injection Pump Group shown on Page 60

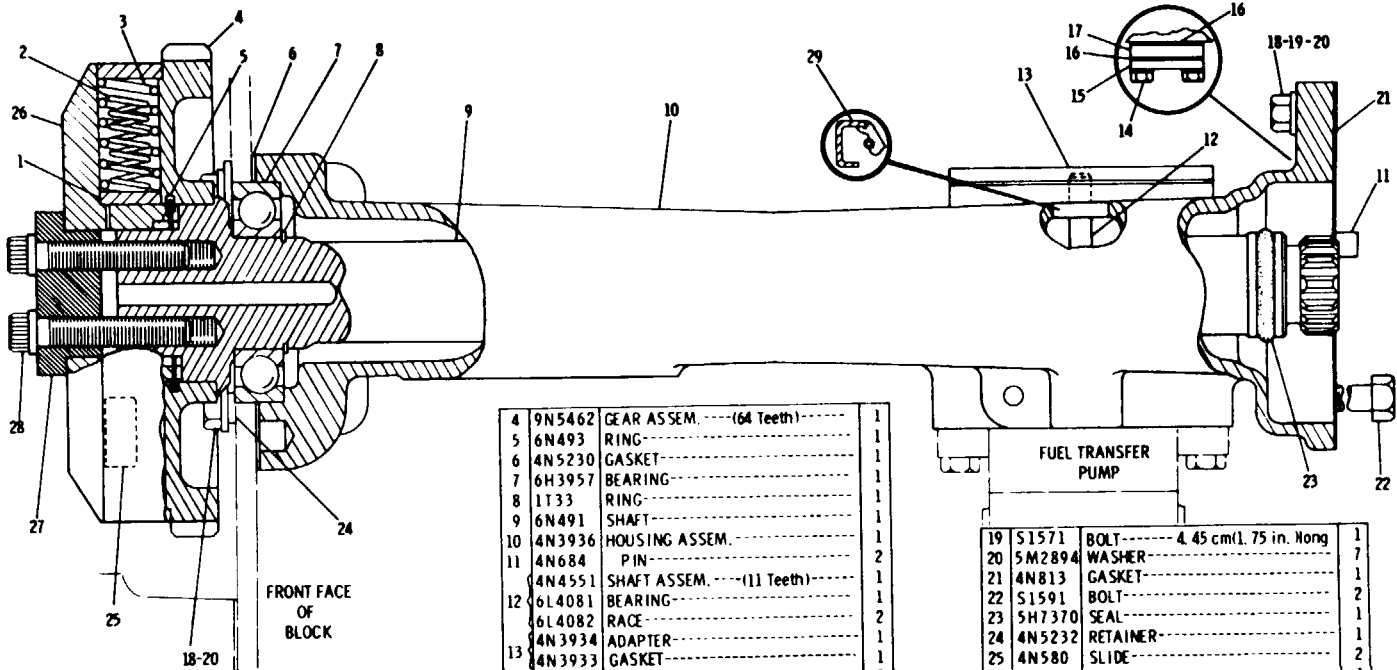


6N7829 FUEL INJECTION PUMP GROUP

Part of 8N5533 Fuel Injection Pump Group shown on Page 63

6N5202 GOVERNOR AND FUEL PUMP DRIVE GROUP

65



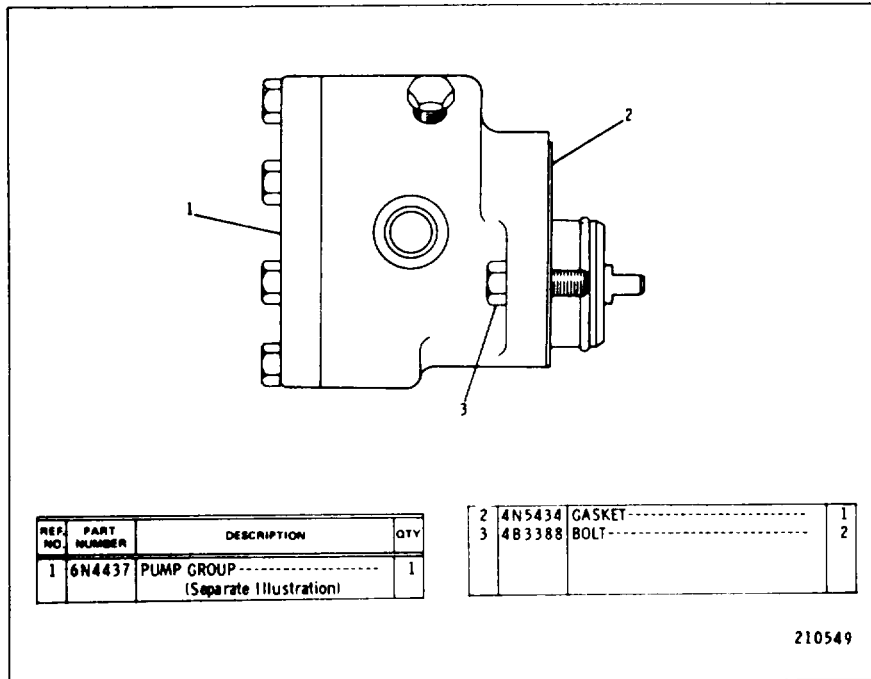
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1W2284	WEIGHT	2
2	1W3963	SPRING	2
3	1W3964	SPRING	2

4	9N5462	GEAR ASSEM. ----(64 Teeth)----	1
5	6N493	RING	1
6	4N5230	GASKET	1
7	6H3957	BEARING	1
8	1T33	RING	1
9	6N491	SHAFT	1
10	4N3936	HOUSING ASSEM.	1
11	4N684	PIN	2
12	4N4551	SHAFT ASSEM. ----(11 Teeth)----	1
12	6L4081	BEARING	1
12	6L4082	RACE	2
13	4N3934	ADAPTER	1
13	4N3933	GASKET	1
14	1B7182	BOLT	2
14	9M1974	WASHER	2
15	2N7013	STOP	1
16	8H9788	GASKET	2
17	2N7014	SPACER	1
18	S1588	BOLT----- 3.18cm(1.25 in.) long	6

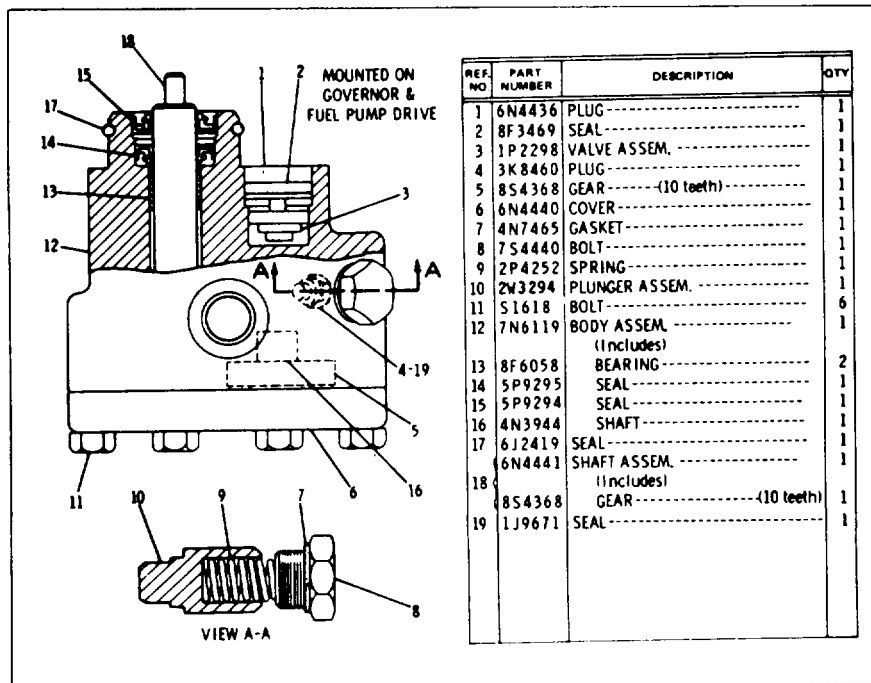
19	S1571	BOLT----- 4.45 cm(1.75 in. long)	1
20	5M2894	WASHER	7
21	4N813	GASKET	1
22	S1591	BOLT	2
23	5H7370	SEAL	1
24	4N5232	RETAINER	1
25	4N580	SLIDE	2
26	6N495	FLANGE ASSEM.	1
27	6N3927	RETAINER	1
28	5J5793	BOLT	4
29	5P9294	SEAL	1

FUEL SYSTEM AND GOVERNOR

CATERPILLAR 621B TRACTOR

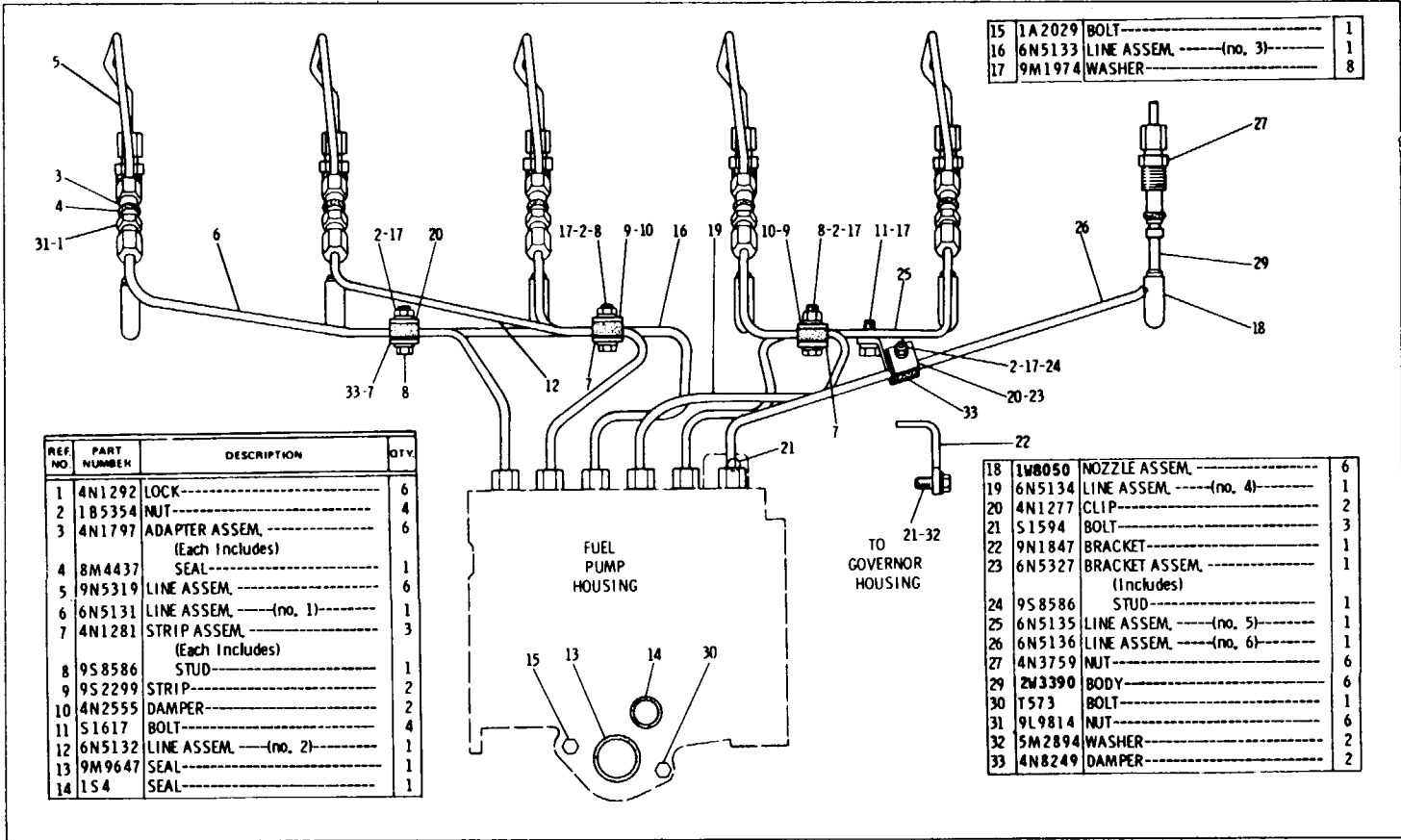


4N3949 FUEL TRANSFER PUMP GROUP
6N4437 Pump parts are shown below



6N4437 FUEL TRANSFER PUMP GROUP
Part of 4N3949 Fuel Transfer Pump Group shown above

9N3672 FUEL INJECTION LINES GROUP



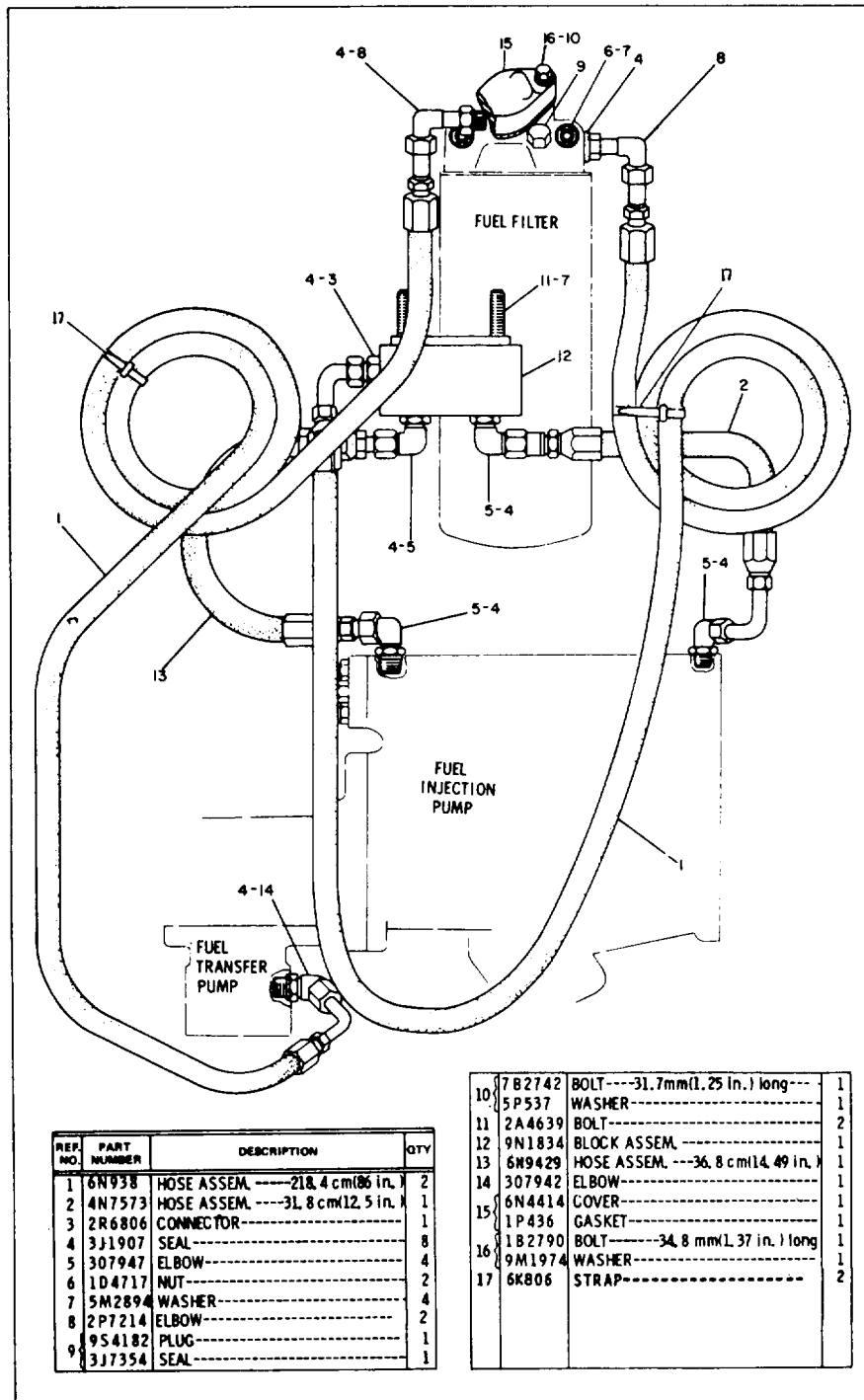
REF NO	PART NUMBER	DESCRIPTION	QTY
1	4N1292	LOCK-----	6
2	1B5354	NUT-----	4
3	4N1797	ADAPTER ASSEM. ----- (Each Includes)	6
4	8M4437	SEAL-----	1
5	9N5319	LINE ASSEM. -----	6
6	6N5131	LINE ASSEM. ---(no. 1)-----	1
7	4N1281	STRIP ASSEM. ----- (Each Includes)	3
8	9S8586	STUD-----	1
9	9S2299	STRIP-----	2
10	4N2555	DAMPER-----	2
11	51617	BOLT-----	4
12	6N5132	LINE ASSEM. ---(no. 2)-----	1
13	9M9647	SEAL-----	1
14	1S4	SEAL-----	1

15	1A2029	BOLT-----	1
16	6N5133	LINE ASSEM. ---(no. 3)-----	1
17	9M1974	WASHER-----	8

18	1W8050	NOZZLE ASSEM. -----	6
19	6N5134	LINE ASSEM. --- (no. 4)-----	1
20	4N1277	CLIP-----	2
21	S1594	BOLT-----	3
22	9N1847	BRACKET-----	1
23	6N5327	BRACKET ASSEM. ----- (Includes)	1
24	9S8586	STUD-----	1
25	6N5135	LINE ASSEM. --- (no. 5)-----	1
26	6N5136	LINE ASSEM. --- (no. 6)-----	1
27	4N3759	NUT-----	6
29	2W3390	BODY-----	6
30	T573	BOLT-----	1
31	9L9814	NUT-----	6
32	5M2894	WASHER-----	2
33	4N8249	DAMPER-----	2

FUEL SYSTEM AND GOVERNOR

CATERPILLAR 621B TRACTOR

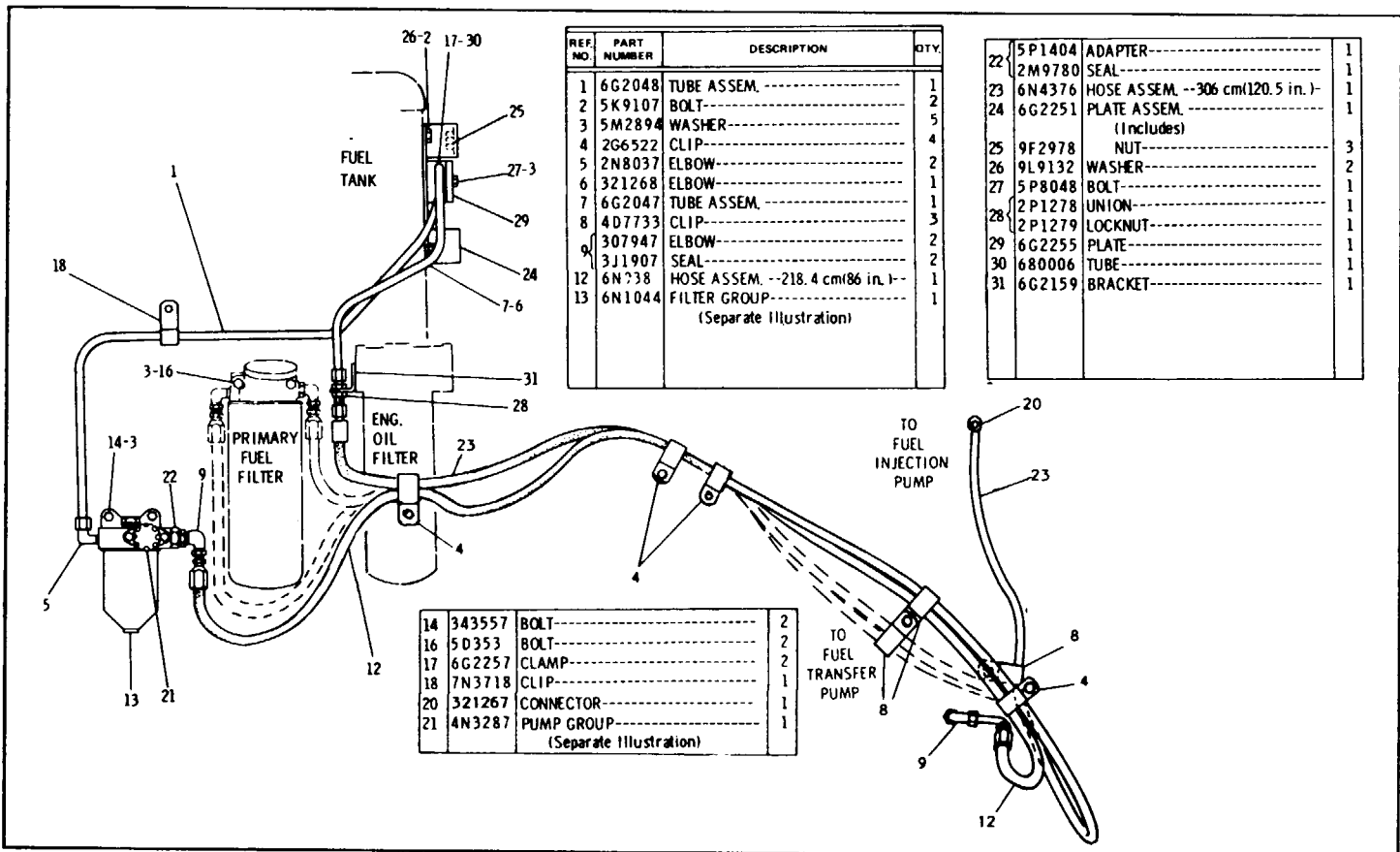


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6N938	HOSE ASSEM. ---21.4 cm(8.6 in.)	2
2	4N7573	HOSE ASSEM. ---31.8 cm(12.5 in.)	1
3	2R6806	CONNECTOR	1
4	3J1907	SEAL	8
5	307947	ELBOW	4
6	1D4717	NUT	2
7	5M2894	WASHER	4
8	2P7214	ELBOW	2
9	9S4182	PLUG	1
	3J7354	SEAL	1

10	7B2742	BOLT---31.7mm(1.25 in.) long	1
	5P537	WASHER	1
11	2A4639	BOLT	2
12	9N1834	BLOCK ASSEM.	1
13	6N9429	HOSE ASSEM. ---36.8 cm(14.49 in.)	1
14	307942	ELBOW	1
15	6N4414	COVER	1
	1P436	GASKET	1
16	1B2790	BOLT---34.8 mm(1.37 in.) long	1
	9M1974	WASHER	1
17	6K806	STRAP	2

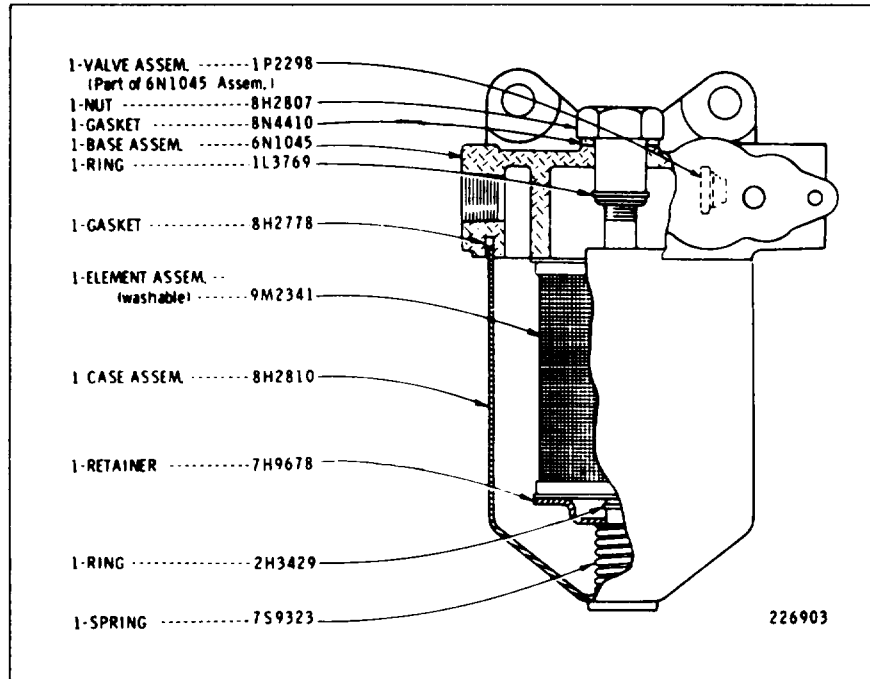
4N2292 FUEL FILTER UNES GROUP

FUEL SYSTEM AND GOVERNOR

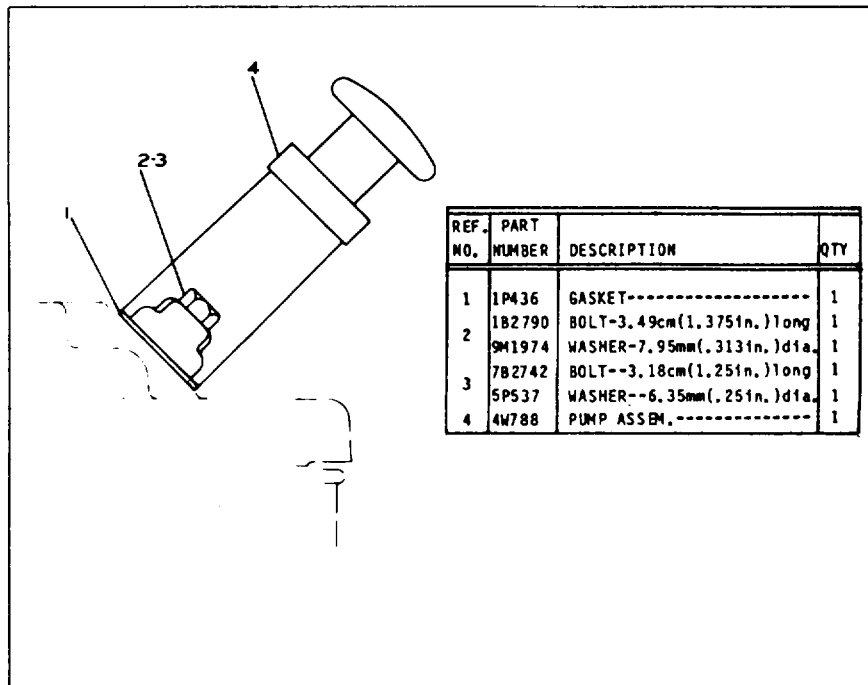


8D8140 FUEL LINES GROUP
6N1044 Filter and 4N3287 Pump parts are shown on Page 70

70CATERPILLAR 621B TRACTOR

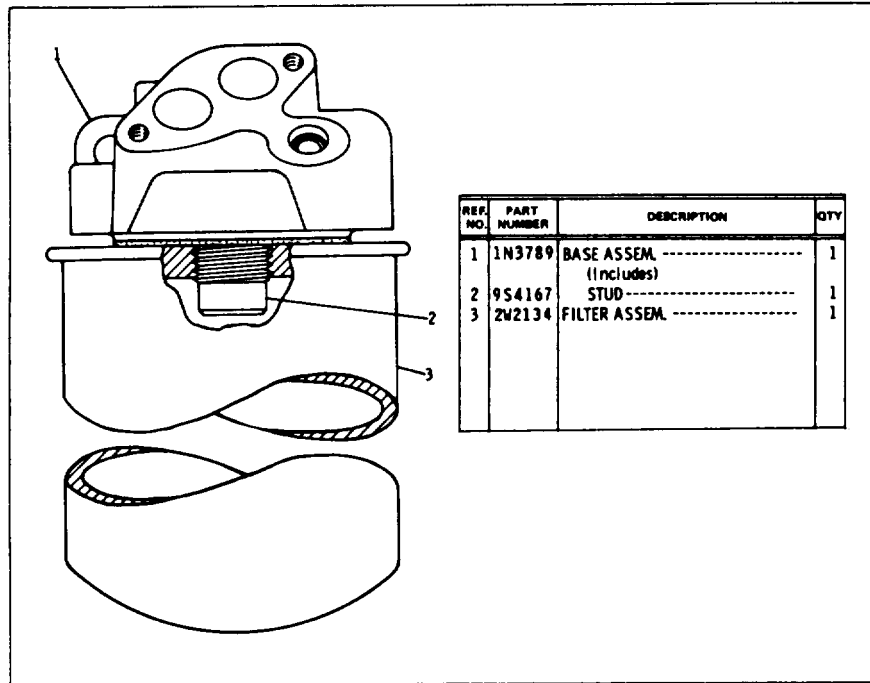


6N1044 PRIMARY FUEL FILTER GROUP
 Part of 8D8140 Fuel Lines Group shown on Page 69



4N3287 FUEL PRIMING PUMP GROUP
 Part of 8D8140 Fuel Lines Group shown on Page 69

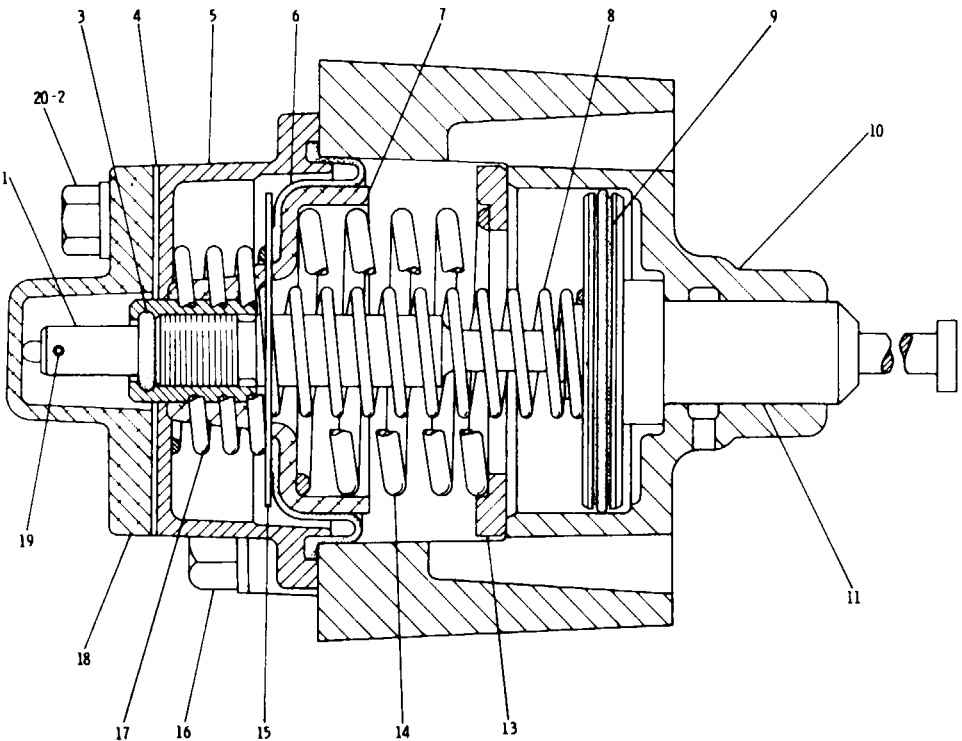
FUEL SYSTEM AND GOVERNOR



4N1981 FUEL FILTER GROUP

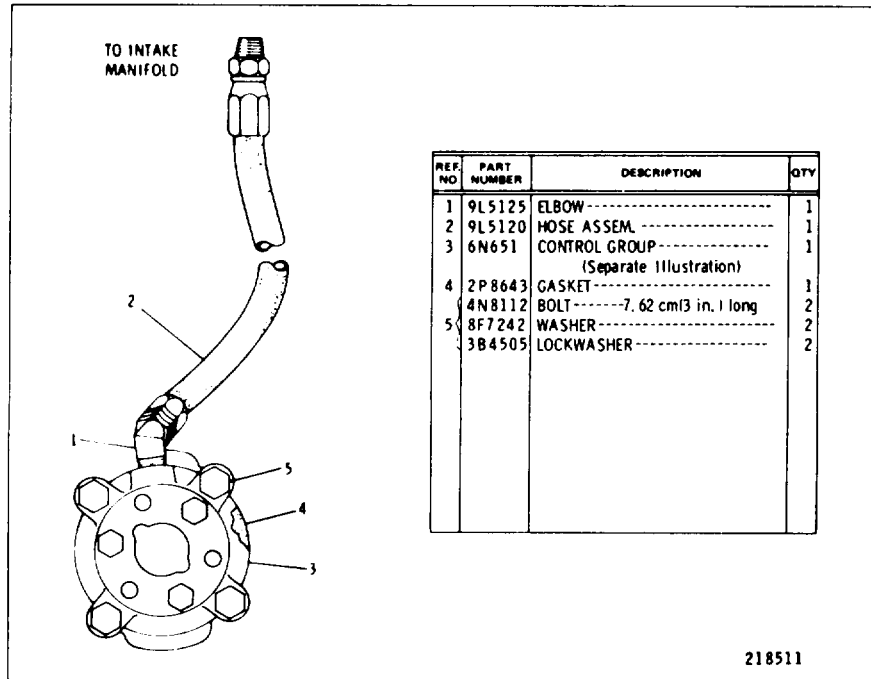
CATERPILLAR 621B TRACTOR

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2P8939	VALVE-----	1
2	9S5282	WASHER-----	3
3	4J2506	SEAL-----	1
4	6L5766	GASKET-----	1
5	2P8226	COVER-----	1
6	1W4797	DIAPHRAGM-----	1
7	2P8875	RETAINER ASSEM.-----	1
8	6N515	SPRING----- (inner)-----	1
9	7N8512	SEAL-----	1
10	2P8225	HOUSING-----	1
11	2W3156	VALVE ASSEM.-----	1
13	1W2567	RETAINER-----	1
14	7N209	SPRING----- (Outer)-----	1
15	2P8803	WASHER-----	1
16	6L2376	BOLT-----	2
	8F7242	WASHER-----	2
17	6N513	SPRING-----	1
18	6N7148	COVER-----	1
19	7N5715	PIN-----	1
20	6V2627	BOLT-- (12 point head)--	3



6N651 FUEL RATIO CONTROL GROUP
 Pat of 9N792 Fuel Ratio Control Group shown on page 73

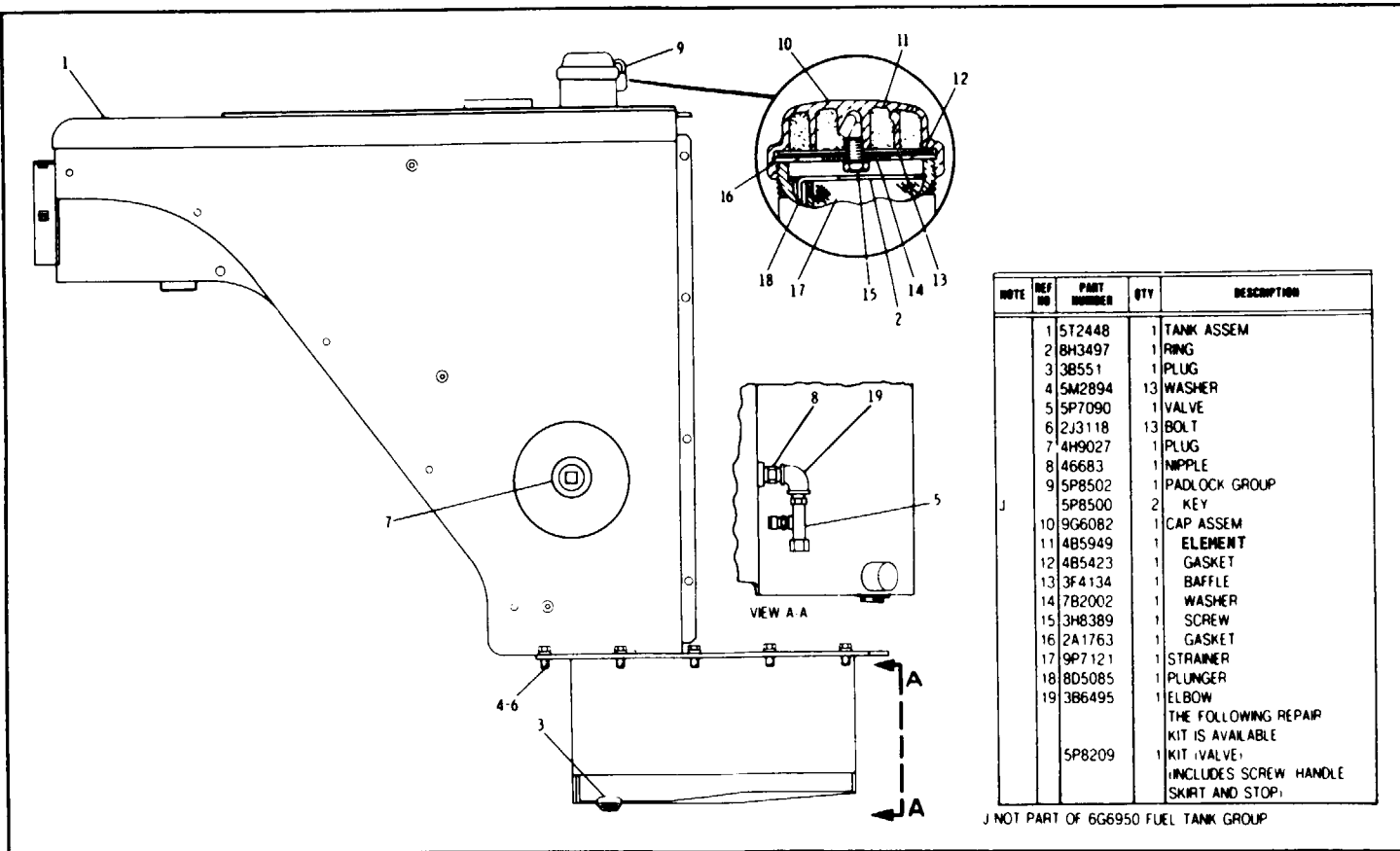
FUEL SYSTEM AND GOVERNOR



9N92 FUEL RATIO CONTROL GROUP
 6N651 Control parts are shown on Page 72

6G6950 FUEL TANK GROUP

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CATERPILLAR 621B TRACTOR

FUEL SYSTEM AND GOVERNOR

Consists of:

- 1 - 2P6228 - ADAPTER AS.
- 1 - 5P9294 - SEAL
- 1 - 4M8303 - SEAL
- 2 - 9S3032 - CLAMP
- 2 - 4B3388 - BOLT
- 2 - 3F9556 - LOCKWASHER
- 1 - 4W4112 - ADAPTER
- 1 - 4W5235 - CAP AS.

5R6810 TACHOMETER DRIVE GROUP

CATERPILLAR 621B TRACTOR

Consists of:

2 - 9G2648 - BATTERY
 2 - 6D0058 - HOLD DOWN
 1 - 4D3502 - HOLD DOWN AS.
 2 - 3D2367 - ROD
 2 - 1D4719 - NUT
 1 - 4K8302 - CLIP
 2 - 1B3310 - WASHER
 2 - 1K6872 - LOCKNUT
 1 - 4D5882 - CABLE AS.-BETWEEN BATTERIES
 1 - 5K0366 - CABLE AS.-POS-TO STARTER SOLENOID
 1 - 9D1928 - CABLE AS.-NEG-TO DISCONNECT SW
 1 - 6G2254 - PLATE AS.-TO RH FRAME
 2 - 6K0138 - BOLT
 2 - 5P8247 - WASHER
 4 - 6G2256 - CLAMP
 4 - 6G2263 - SPACER
 7 - 2G8767 - WASHER
 4 - 5D9844 - BOLT
 4 - 5M2894 - WASHER
 1 - 6G2584 - PLATE AS.
 1 - 3O8535 - BOLT
 2 - 5M2894 - WASHER
 1 - 6G2256 - CLAMP
 1 - 6G2263 - SPACER
 1 - 2G8767 - WASHER
 1 - 5D9844 - BOLT
 1 - 6G5587 - PLATE AS.
 1 - 6G2256 - CLAMP
 1 - 6G2263 - SPACER
 1 - 2G8767 - WASHER
 1 - 5D9844 - BOLT
 1 - 5M2894 - WASHER
 1 - 6G5586 - PLATE AS.
 1 - 6G2256 - CLAMP
 1 - 6G2263 - SPACER
 1 - 2G8767 - WASHER
 1 - 5D9844 - BOLT
 1 - 5M2894 - WASHER
 1 - 7N0718 - SWITCH AS.
 1 - 8H8648 - PLATE

5R6692 LIGHTING AND WIRING GROUP - Part 1 of 5

STARTING AND ELECTRICAL SYSTEM

1 - 3D5291 - CABLE AS.-DISCONNECT SW TO STARTER
 1 - 9M9812 - WIRE AS.-BLOCK TO FRAME
 1 - 4F4879 - BOLT
 2 - 4D1326 - LOCKWASHER-RADIO SUPPRESSION
 1 - 9M9812 - WIRE AS.-BLOCK TO COMPARTMENT
 2 - 4D1326 - LOCKWASHER-RADIO SUPPRESSION
 1 - 5R6760 - HARNESS AS.-HEADLAMP(Separate Illustration)
 1 - 9G9154 - CLIP
 1 - 9G9150 - CLIP
 1 - 310219 - BOLT
 2 - 5M2894 - WASHER
 1 - 9S8752 - NUT
 8 - 4D7794 - CLIP
 1 - 9S8752 - NUT
 1 - 310219 - BOLT
 2 - 5M2894 - WASHER
 6 - 1H5166 - CLIP
 1 - 5R6731 - BRACKET AS.-LEFT
 1 - 5R6732 - BRACKET AS.-RIGHT
 2 - 1M1882 - LAMP GP-SIDE FLOOD
 2 - 2B8352 - WASHER
 2 - 5P8247 - WASHER
 2 - 5D3183 - NUT
 2 - 5P8522 - GROMMET

 2 - 6H4005 - GROMMET
 2 - 5S5148 - LAMP GP-HI BEAM
 2 - 5S5147 - LAMP GP-LO BEAM
 4 - 6D2256 - SPACER
 4 - 3D7854 - SPACER
 4 - 138502 - LOCKWASHER
 4 - 5D3183 - NUT
 8 - 308535 - BOLT
 8 - 5M2894 - WASHER
 1 - 2S4783 - LAMP GP-CUTTING EDGE
 1 - 5D3183 - NUT
 1 - 138502 - LOCKWASHER
 2 - 2B8352 - WASHER
 1 - 2B4551 - BRACKET
 4 - 5D0353 - BOLT
 4 - 5M2894 - WASHER
 1 - 6K8179 - CLIP

5R6692 LIGHTING AND WIRING GROUP - Part 2 of 5

CATERPILLAR 621B TRACTOR

3 - 3S2093 - STRAP
 1 - 9D1927 - WIRE AS.
 1 - 2G7142 - WIRE AS.-BREAKER TO STARTER
 4 - 6K8179 - CLIP
 3 - 5M2894 - WASHER
 3 - 5K9107 - BOLT
 1 - 9S0174 - BREAKER
 2 - 5L4507 - SCREW
 1 - 5M3900 - GASKET
 1 - 6G1332 - COVER-COMPARTMENT SIDE
 2 - 5K9107 - BOLT
 2 - 5M2894 - WASHER
 1 - 3D4246 - GASKET
 1 - 6G1333 - COVER
 2 - 5K9107 - BOLT
 2 - 5M2894 - WASHER
 1 - 5R6317 - HARNESS AS.-TO HITCH
 3 - 4D7794 - CLIP
 3 - 5K9107 - BOLT
 3 - 5M2894 - WASHER
 1 - 5R6322 - GUARD
 4 - 6D4244 - CLIP
 1 - 5K9107 - BOLT
 1 - 5M2894 - WASHER
 4 - 5D1026 - CLAMP
 2 - 5P7464 - CLIP
 2 - 5P7465 - CLIP
 2 - 6V1249 - GROMMET
 1 - 9G9152 - CLIP-SIDE OF COMPARTMENT
 3 - 4D7794 - CLIP
 1 - 9G9150 - CLIP
 1 - 5R6320 - HARNESS AS.-ENGINE(Separate Illustration)
 1 - 6G1334 - COVER
 1 - 6G1235 - COVER
 2 - 5K9107 - BOLT
 2 - 5M2894 - WASHER
 1 - 8M2773 - CLIP
 1 - 8M2770 - CLIP
 1 - 8M2772 - CLIP
 1 - 2P1270 - SENDER
 1 - 4K8864 - CLIP
 1 - 4D7794 - CLIP

5R6692 LIGHTING AND WIRING GROUP - Part 3 of 5

STARTING AND ELECTRICAL SYSTEM

1 - 9G9150 - CLIP
 1 - 2P1270 - SENDER
 3 - 8M2772 - CLIP
 1 - 5R6330 - HARNESS AS.-COMPARTMENT
 2 - 8M2773 - CLIP
 2 - 5K9107 - BOLT
 2 - 5M2894 - WASHER
 1 - 2H1855 - SWITCH
 2 - 3B4504 - LOCKWASHER
 2 - 4B1320 - SCREW
 1 - 8M2773 - CLIP
 1 - 5K9107 - BOLT
 1 - 5M2894 - WASHER
 1 - 2M9346 - SWITCH-BRAKE VALVE
 1 - 8M2773 - CLIP
 1 - 5K9107 - BOLT
 1 - 5M2894 - WASHER
 1 - 6D4246 - CLIP
 1 - 5K9107 - BOLT
 1 - 5M2894 - WASHER
 3 - 3T2170 - RELAY AS.
 1 - 3T2169 - RELAY AS.
 8 - 5P0537 - WASHER
 8 - 0S1614 - BOLT
 1 - 6N9766 - HORN
 1 - 5P7173 - SEAL
 3 - 5K9107 - BOLT
 3 - 8D5006 - CLIP
 3 - 5M2894 - WASHER
 1 - 7N8000 - SWITCH AS.-SIDE FLOOD
 1 - 3M6161 - SWITCH-RUNNING LAMP
 4 - 4B1238 - SCREW
 4 - 9F8125 - LOCKWASHER
 2 - 5R6328 - LAMP GP-PANEL
 2 - 6F7047 - WASHER
 1 - 7N4160 - SWITCH GP
 1 - 6V1766 - PLATE
 1 - 3T0306 - SWITCH
 1 - 7N1062 - SWITCH AS.
 1 - 3T2662 - BREAKER-HEAD LAMP
 2 - 1H4393 - LOCKWASHER
 2 - 5M6668 - SCREW

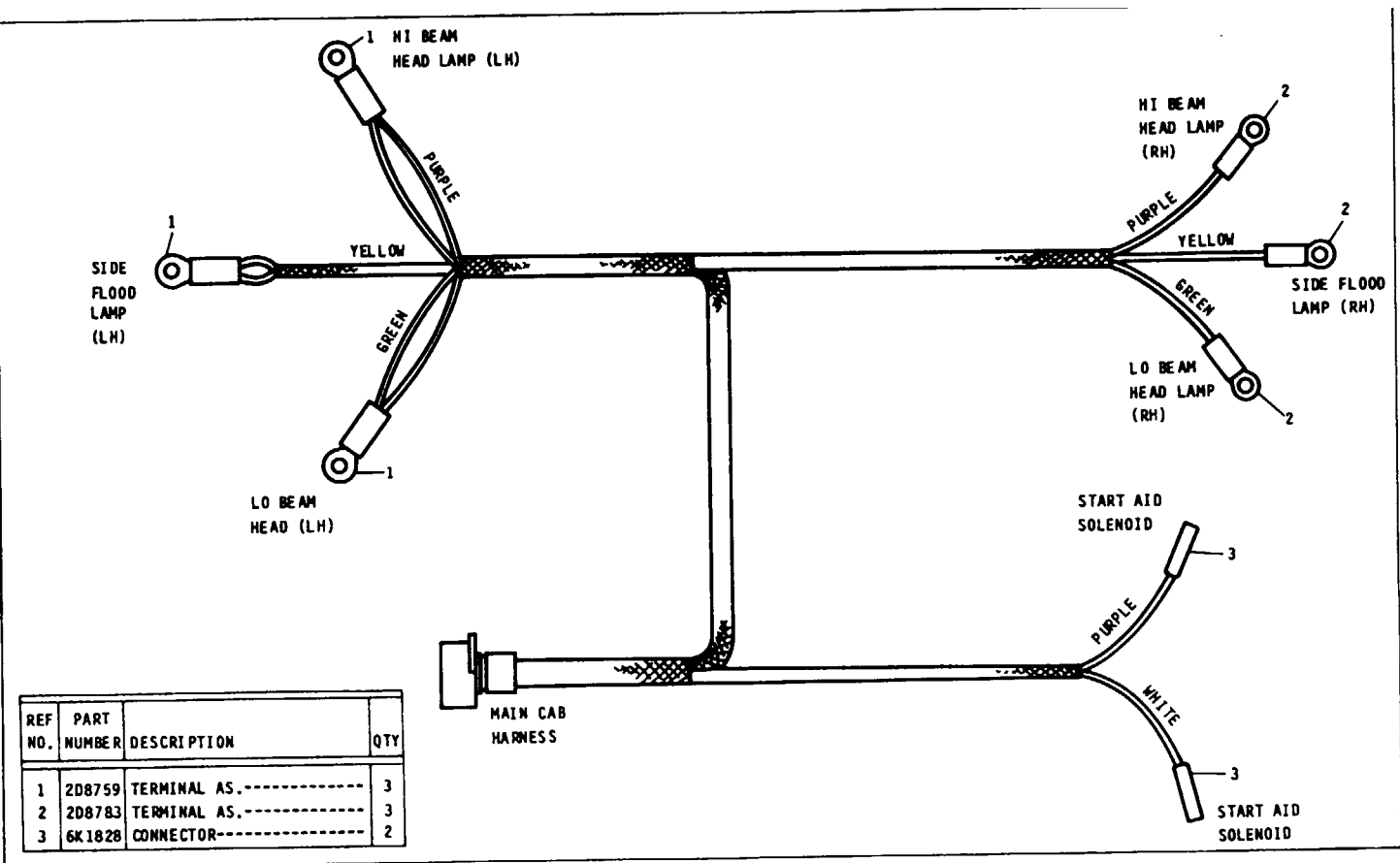
5R6692 LIGHTING AND WIRING GROUP - Part 4 of 5

CATERPILLAR 621B TRACTOR

1 - 9G9882 - BREAKER
2 - 1H4393 - LOCKWASHER
2 - 5M6668 - SCREW
1 - 4D4785 - SWITCH AS.
1 - 9D2868 - LENS
1 - 7N5876 - LAMP
1 - 9D3127 - BASE AS.
1 - 7D7249 - PLATE
1 - 9G3992 - SWITCH
1 - 7N1062 - SWITCH AS.
1 - 5R6329 - FILM
1 - 2G7544 - COVER
1 - 2G7118 - BLOCK
2 - 9B1117 - LOCKWASHER
2 - 2N3475 - SCREW
5 - 3K8782 - FUSE
2 - 3P1388 - WIRE (DM)

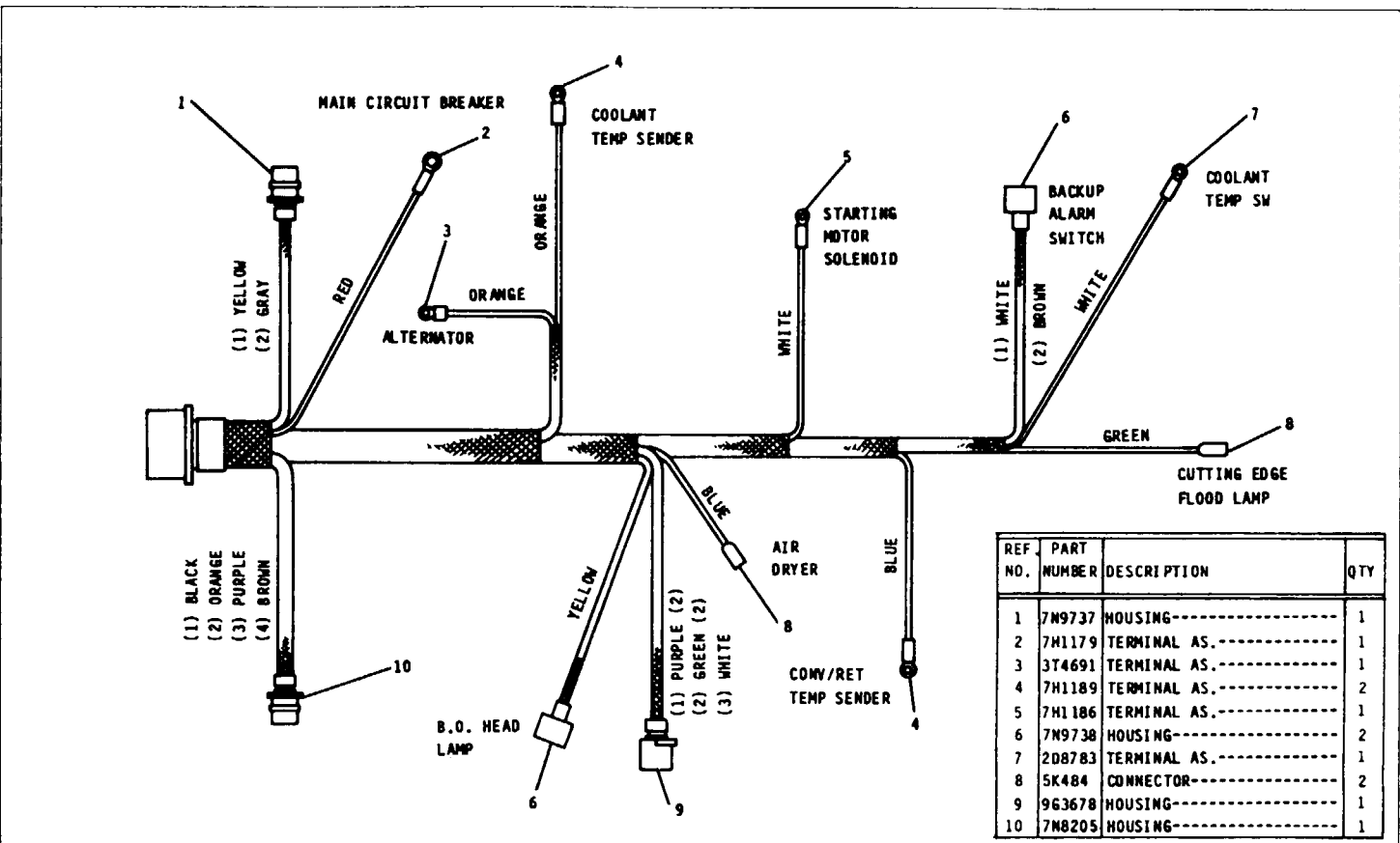
5R6692 LIGHTING AND WIRING GROUP - Part 5 of 5

STARTING AND ELECTRICAL SYSTEM



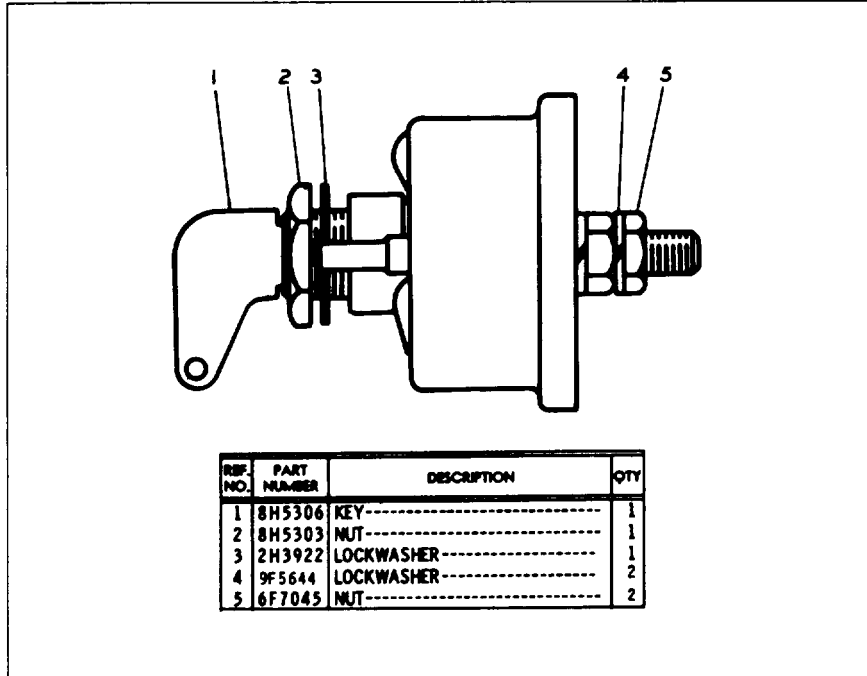
5R6760 HARNESS ASSEMBLY
 Part of 5R6692 LIGHTING AND WIRING GROUP listed on Page 77

CATERPILLAR 621B TRACTOR



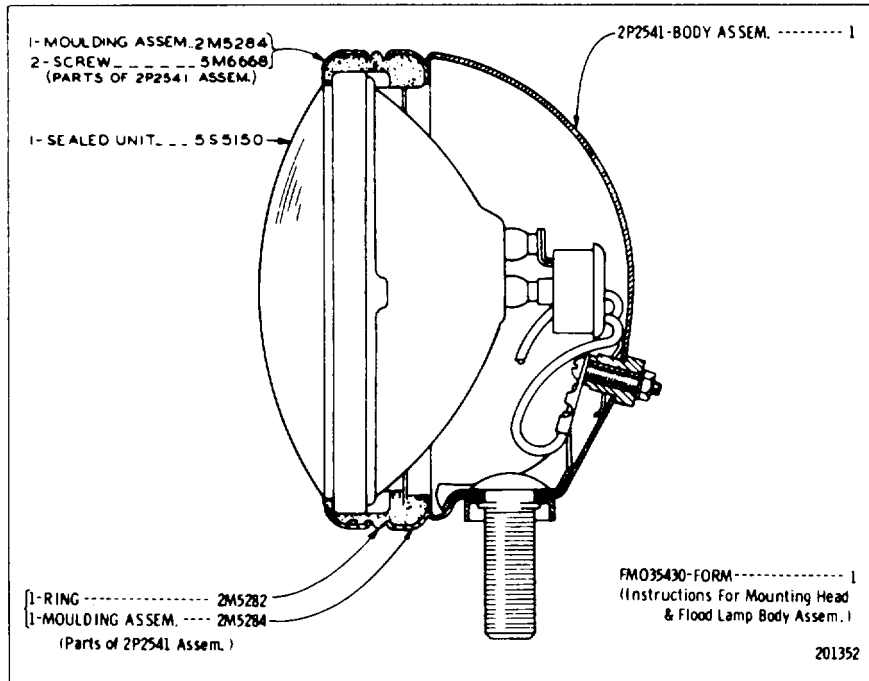
5R6320 HARNESS ASSEMBLY
 Part of 5R6692 LIGHTING AND WIRING GROUP listed on Page 78

STARTING AND ELECTRICAL

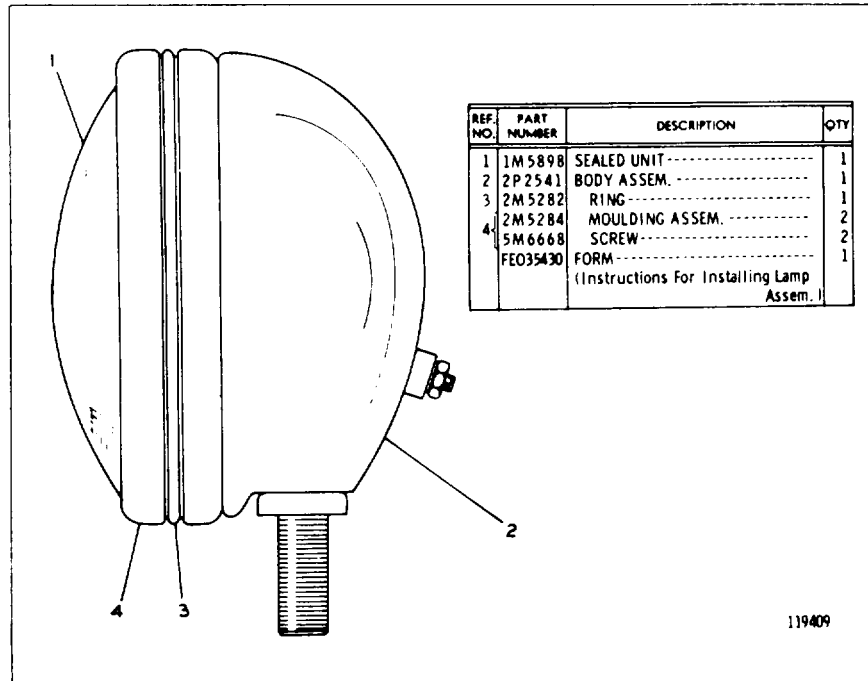


7N718 DISCONNECT SWITCH ASSEMBLY
 PART OF 5R6692 Lighting and Wiring Group shown on Page 76

CATERPILLAR 621B TRACTOR



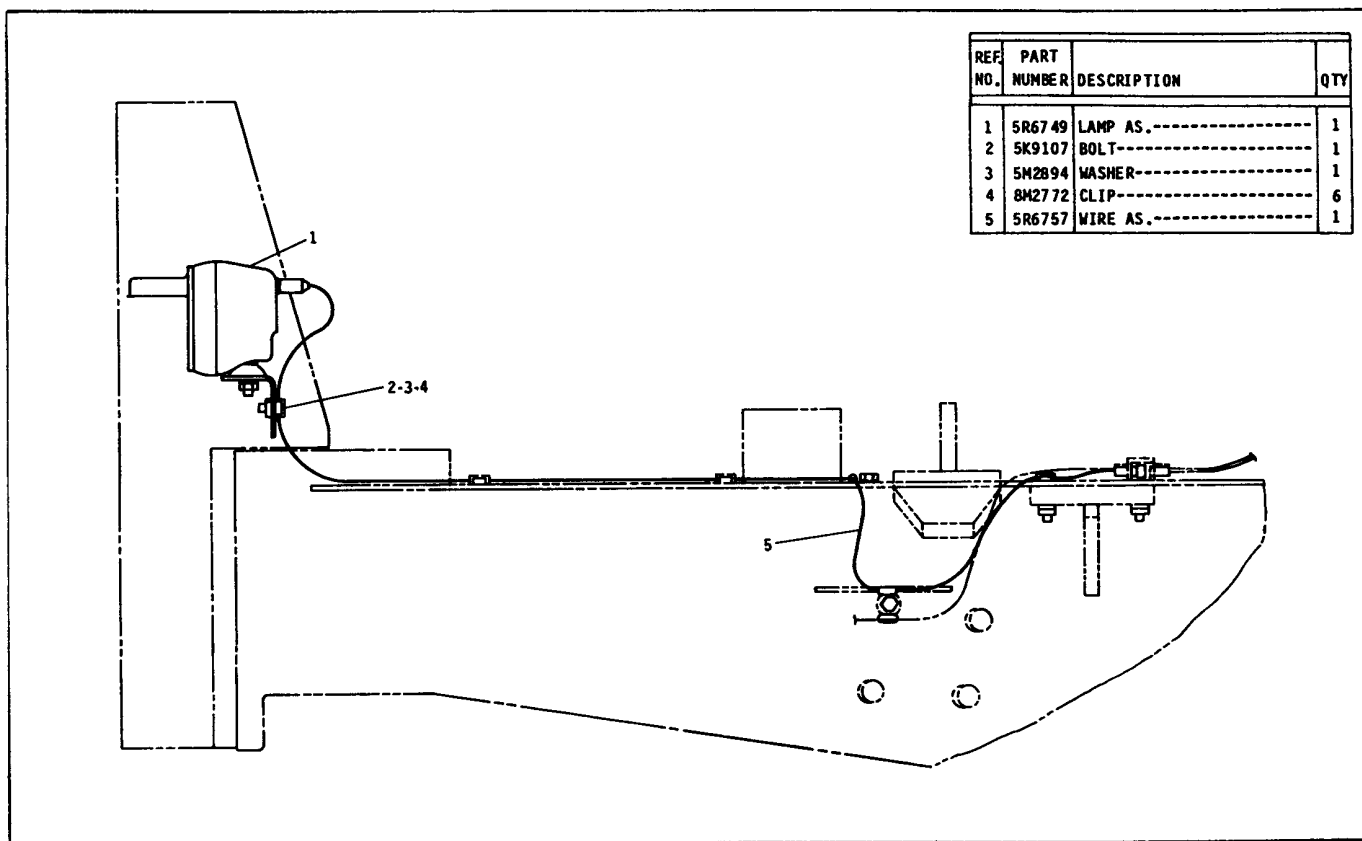
5S5147 HEAD LAMP GROUP-24 Volt
 Part of 5R6692 Lighting and Wiring Group shown on Page 77



1M1882 FLOOD LAMP GROUP-24 Volt
 Part of 5R6692 Lighting and Wiring Group shown on Page 77

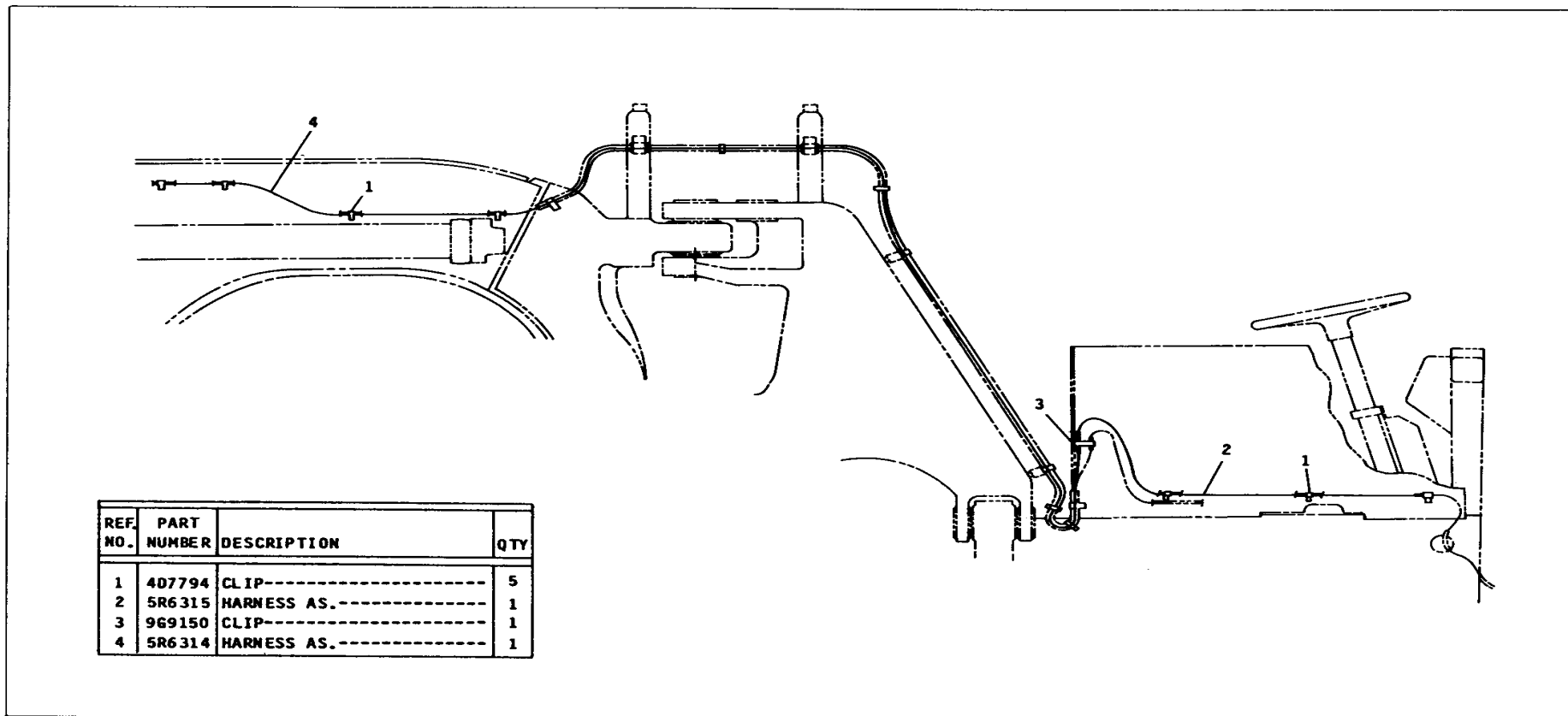
STARTING AND ELECTRICAL SYSTEM

STARTING AND ELECTRICAL SYSTEM



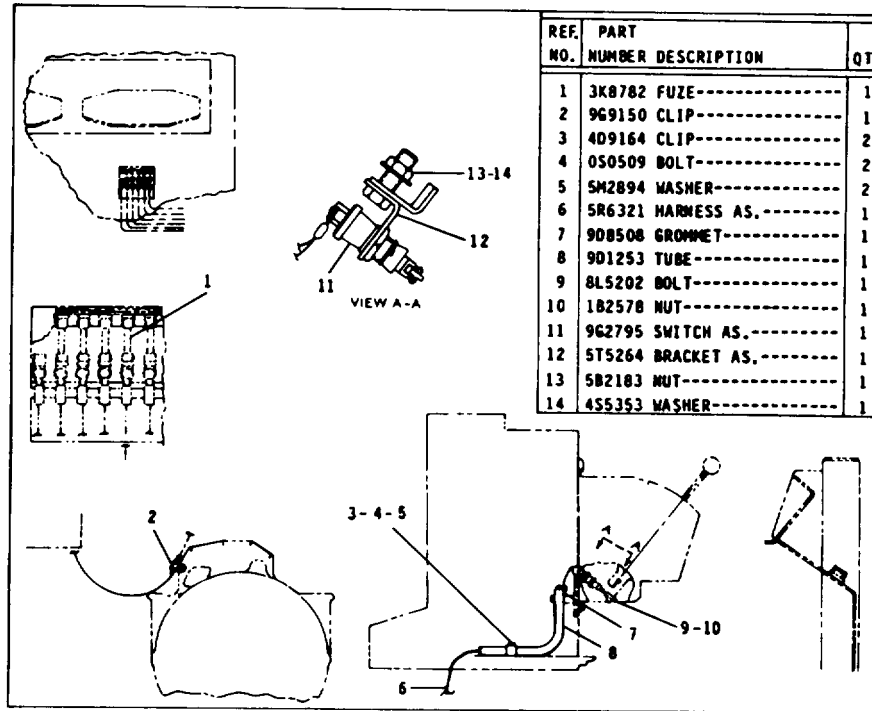
5R683 BLACKOUT LIGHTING GROUP--Part 1 of 2

CATERPILLAR 621B TRACTOR



5R6+683 BLACKOUT LIGHTING GROUP—Part 2 of 2

STARTING AND ELECTRICAL SYSTEM



REF. NO.	PART NUMBER DESCRIPTION	QTY
1	3K8782 FUZE-----	1
2	9G9150 CLIP-----	1
3	4D9164 CLIP-----	2
4	0S0509 BOLT-----	2
5	5M2894 WASHER-----	2
6	5R6321 HARNESS AS.-----	1
7	9D8508 GROMMET-----	1
8	9D1253 TUBE-----	1
9	8L5202 BOLT-----	1
10	1B2578 NUT-----	1
11	9G2795 SWITCH AS.-----	1
12	5T5264 BRACKET AS.-----	1
13	5B2183 NUT-----	1
14	4S5353 WASHER-----	1

5R6751 BACK UP WARNING GROUP

CATERPILLAR 621B TRACTOR

Consists of:		Page
1	5S9088 - ALTERNATOR GP-----	89
1	0S1585 - BOLT	
1	0S1587 - BOLT	
1	2M0849 - WASHER	
1	1S4698 - ROD	
1	9S3784 - BLOCK	
2	1D5118 - NUT	
1	0S1589 - BOLT	
1	0L1143 - BOLT	
2	5M2894 - WASHER	
1	1D4717 - NUT	
1	3K0925 - SPACER	
1	4N8225 - PULLEY	
1	6N0073 - BELT	
1	6N6967 - GUARD AS.	
1	2W8662 - WIRE AS.	

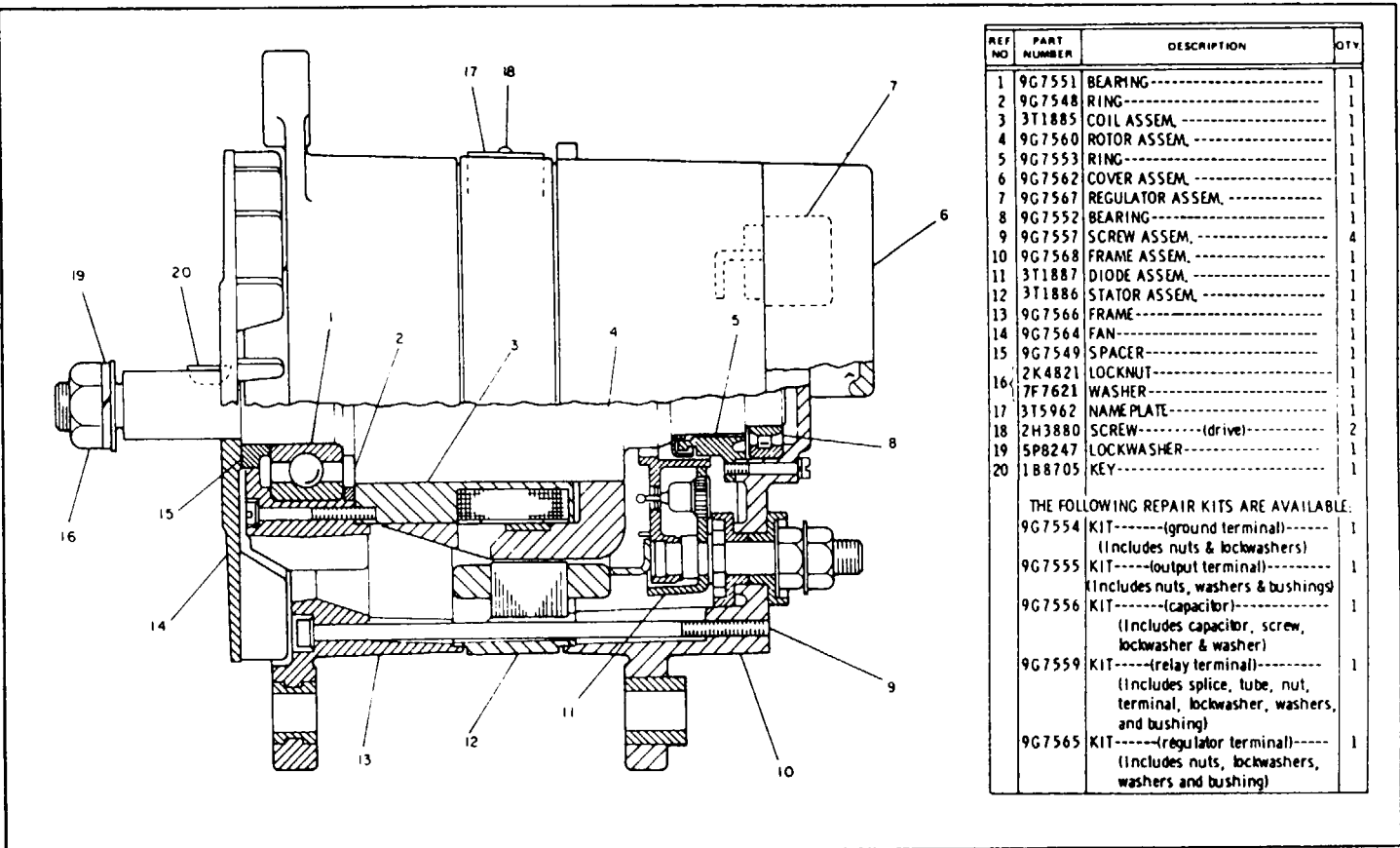
5R6742 ALTERNATOR GROUP--2 Volt, 50 Ampere

STARTING AND ELECTRICAL SYSTEM

Consists of:		Page
1 9G9538	Alternator Group--24 Volt, 50 Ampere	90
- or -		
1 3T1888	Alternator Group--Delco-Remy--24 Volt 50 Ampere	

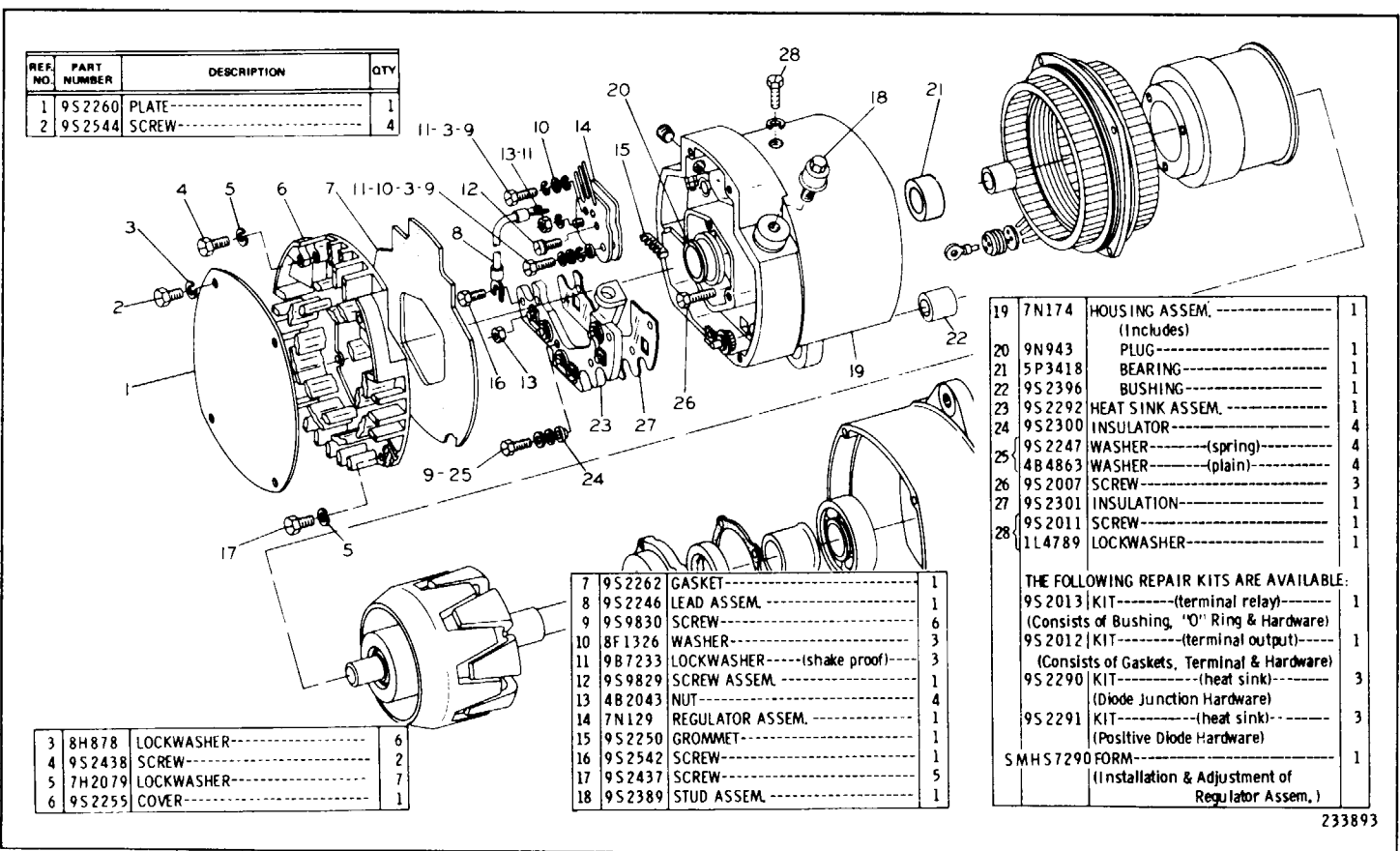
559088 ALTERNATOR GROUP--24 Volt, 50 Ampere
Part of 5R6742 Alternator Group listed on Page 88

CATERPILLAR 621B TRACTOR

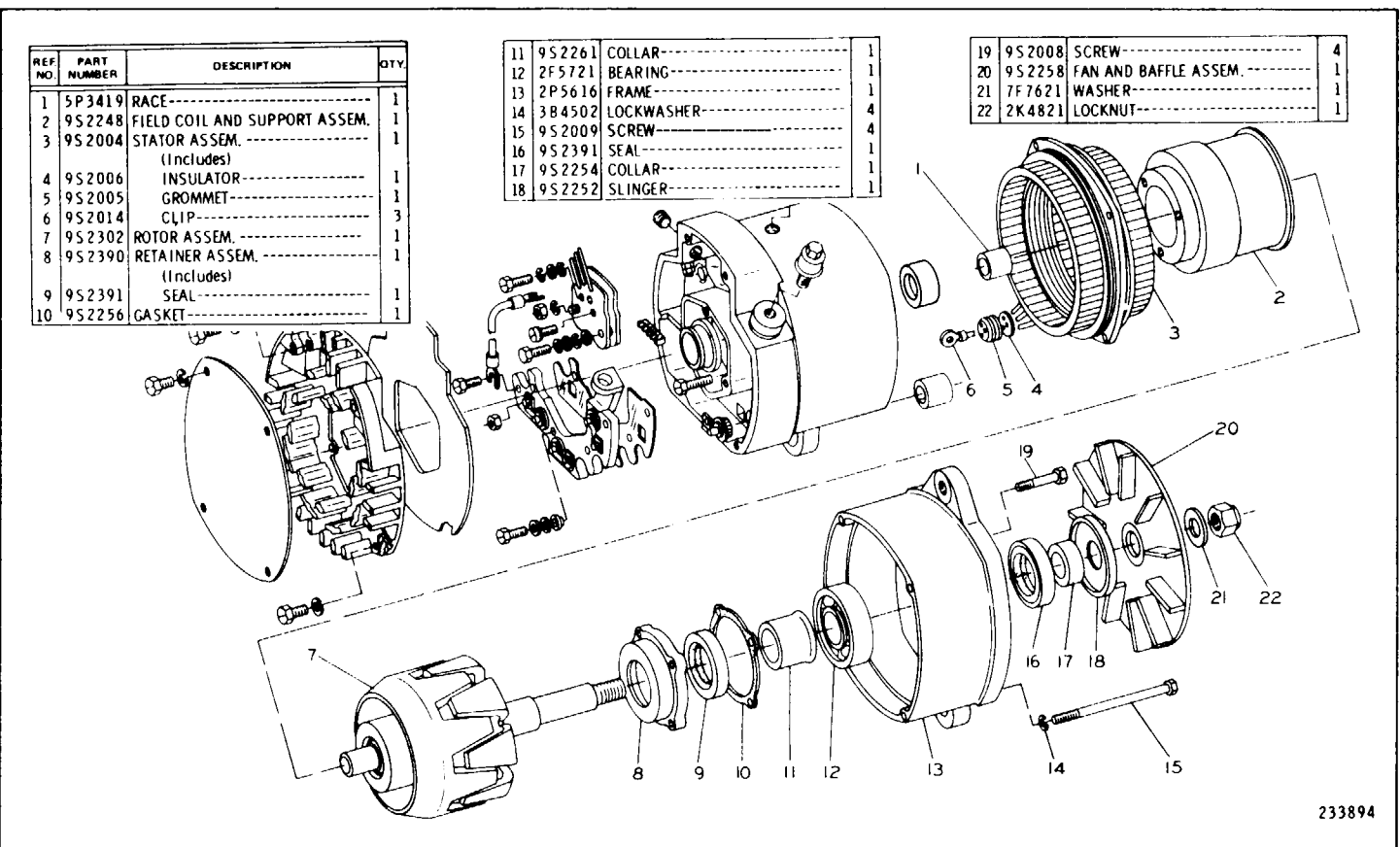


REF NO	PART NUMBER	DESCRIPTION	QTY
1	9G7551	BEARING-----	1
2	9G7548	RING-----	1
3	3T1885	COIL ASSEM-----	1
4	9G7560	ROTOR ASSEM-----	1
5	9G7553	RING-----	1
6	9G7562	COVER ASSEM-----	1
7	9G7567	REGULATOR ASSEM-----	1
8	9G7552	BEARING-----	1
9	9G7557	SCREW ASSEM-----	4
10	9G7568	FRAME ASSEM-----	1
11	3T1887	DIODE ASSEM-----	1
12	3T1886	STATOR ASSEM-----	1
13	9G7566	FRAME-----	1
14	9G7564	FAN-----	1
15	9G7549	SPACER-----	1
16	2K4821	LOCKNUT-----	1
	7F7621	WASHER-----	1
17	3T5962	NAME PLATE-----	1
18	2H3880	SCREW----- (drive)	2
19	5P8247	LOCKWASHER-----	1
20	1B8705	KEY-----	1
THE FOLLOWING REPAIR KITS ARE AVAILABLE:			
	9G7554	KIT----- (ground terminal)----- (Includes nuts & lockwashers)	1
	9G7555	KIT----- (output terminal)----- (Includes nuts, washers & bushings)	1
	9G7556	KIT----- (capacitor)----- (Includes capacitor, screw, lockwasher & washer)	1
	9G7559	KIT----- (relay terminal)----- (Includes splice, tube, nut, terminal, lockwasher, washers, and bushing)	1
	9G7565	KIT----- (regulator terminal)----- (Includes nuts, lockwashers, washers and bushing)	1

9G9538 ALTERNATOR GROU24 volt, 50 Ampere
Part of 5S9088 Alternator Group listed on page 89



3T1888 ALTERNATOR GROUP--Delco--24 Volt, 50 Ampere--Part 1 of 2
 Part of 5S9088 Alternator Group listed on Page 89
 91

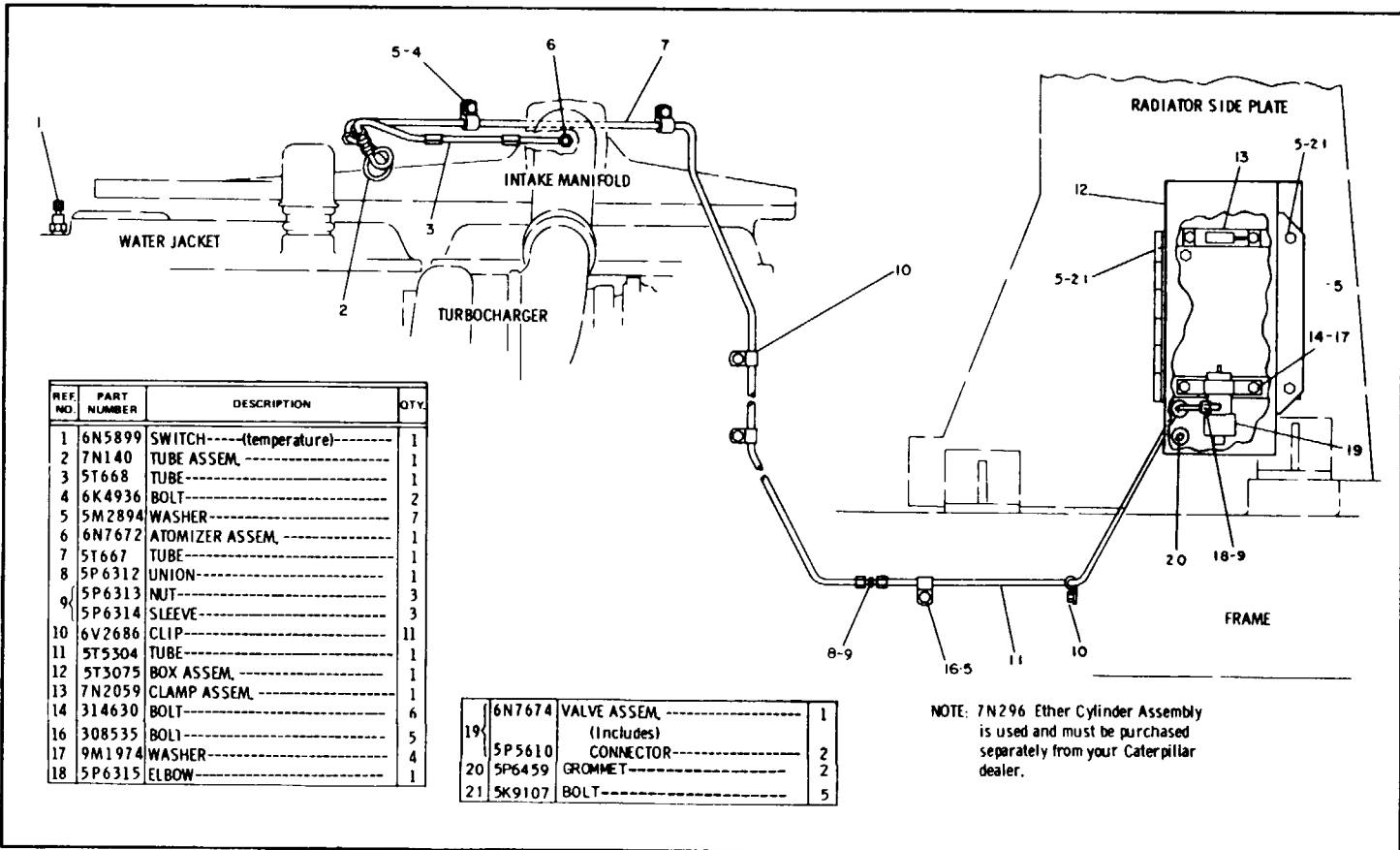


233894

3T1888 ALTERNATOR GROUP--Delco--Remy--24 Volt, 50 Ampere--Part 2 of 2
Part of 5S9088 Alternator Group listed on Page 89

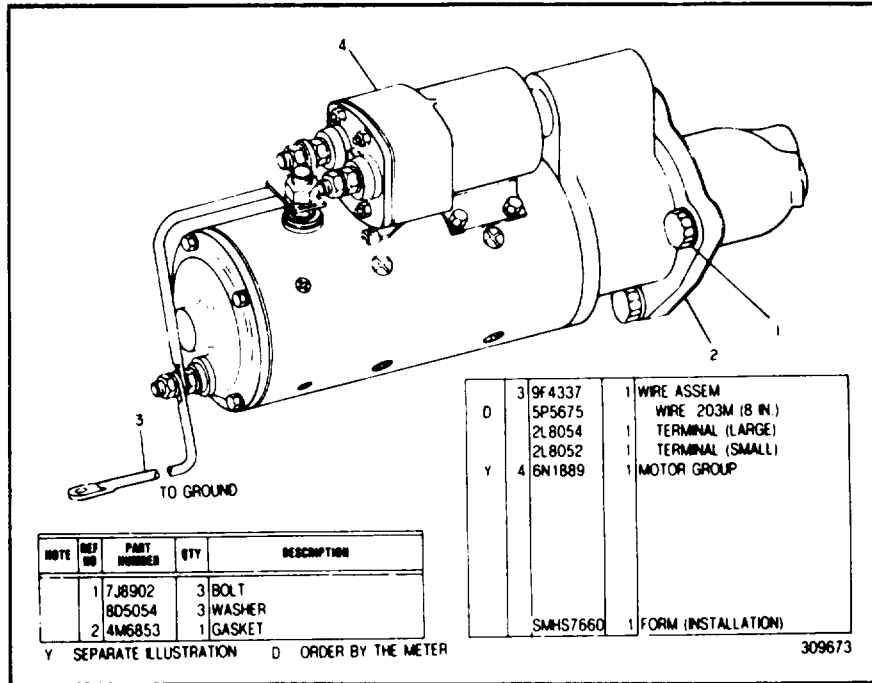
6G4401 ETHER STARTING AID GROUP

93



STARTING AND ELECTRICAL SYSTEM

CATERPILLAR 621B TRACTOR



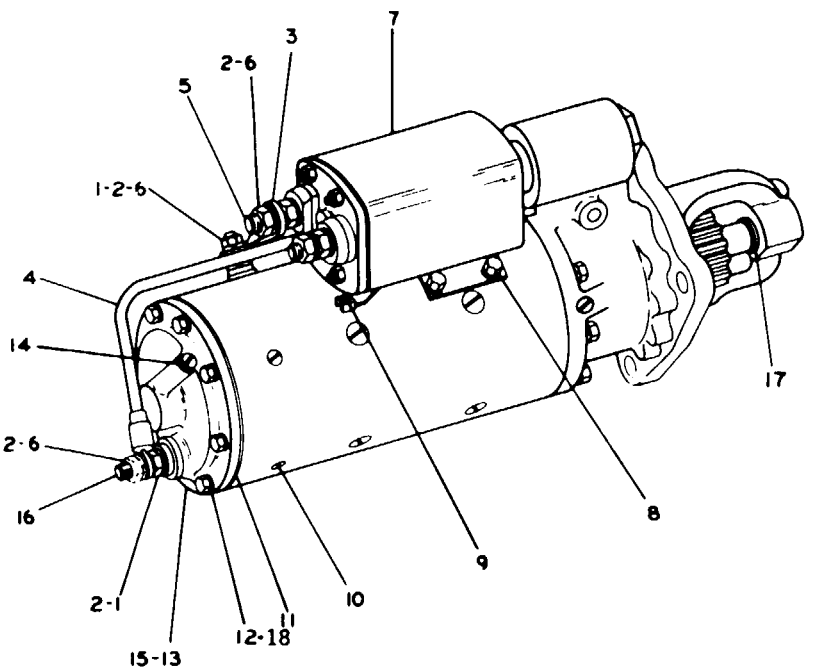
4N1062 ELECTRIC STARTING GROUP-24 Volt
6N1889 Motor parts are listed on Page 9 5

STARTING AND ELECTRICAL SYSTEM

CONSISTS OF:		PAGE
1	9G5584 ELECTRIC STARTING MOTOR GROUP-- PRESTOLITE--24 VOLT.....	96
- OR -		
1	3T2649 ELECTRIC STARTING MOTOR GROUP-- DELCO-REMY--24 VOLT.....	98

6N1889 ELECTRIC STARTING MOTOR GROUP-24 Volt
Part of 4N1062 Electric Starting Motor Group-shown on-Page 94

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1D5117	NUT------(jam)-----	2
2	3B4508	LOCKWASHER-----	6
3	4N9405	CONNECTOR-----	1
4	4N9404	LEAD ASSEM.-----	1
5	2P8819	KIT------(Field Terminal Stud) (Includes Stud, Bushing & Washers)	1
6	1D4719	NUT-----	4
7	3T8635	SOLENOID ASSEM. (Separate Illustration)	1
	6H3622	SCREW-----	4
8	3B4504	LOCKWASHER-----	4
	3K6116	WASHER-----	4
9	4M3217	SCREW-----	2
10	5D8412	SCREW-----	3
11	8S1553	GASKET-----	1
12	3B4502	LOCKWASHER-----	4
13	1P7831	HEAD ASSEM.---(Commutator End)-	1
14	2B4602	PLUG-----	1
15	1P7832	KIT------(Bearing & Wick)-----	1
16	4N9403	KIT-(Commutator End Terminal Stud) (Includes Stud, Bushing & Washers)	1
17	9G5588	SPACER-----	1
18	9L9850	SCREW-----	4



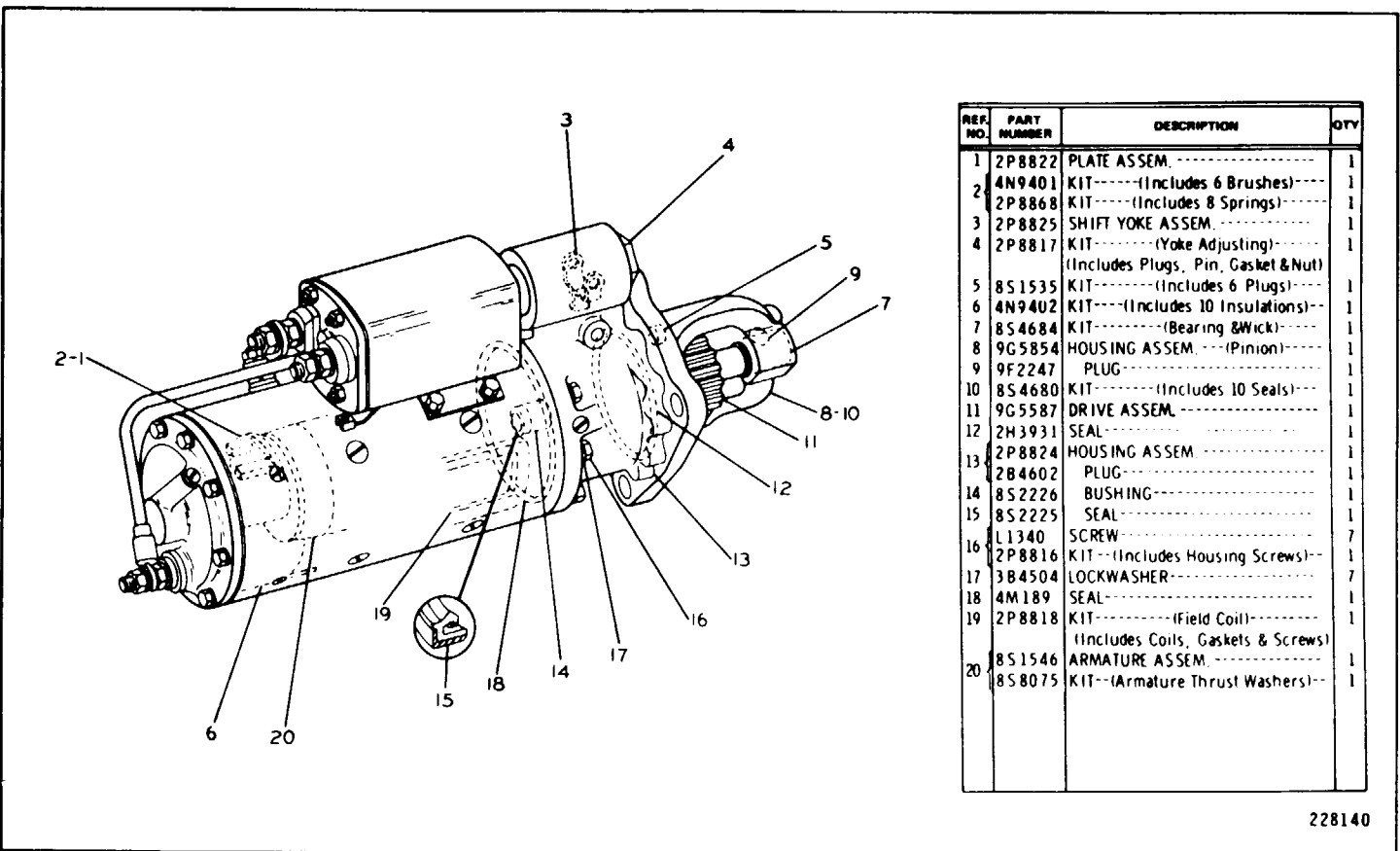
9G5584 ELECTRIC STARTIN MOTOR GROUP-Prestolite-24Volt-Part
 Part of 6N1889 Electric Starting Motor Group shown on Page 95
 3T8635 Solenoid parts are shown on Page 101

STARTING AND ELECTRICAL SYSTEM

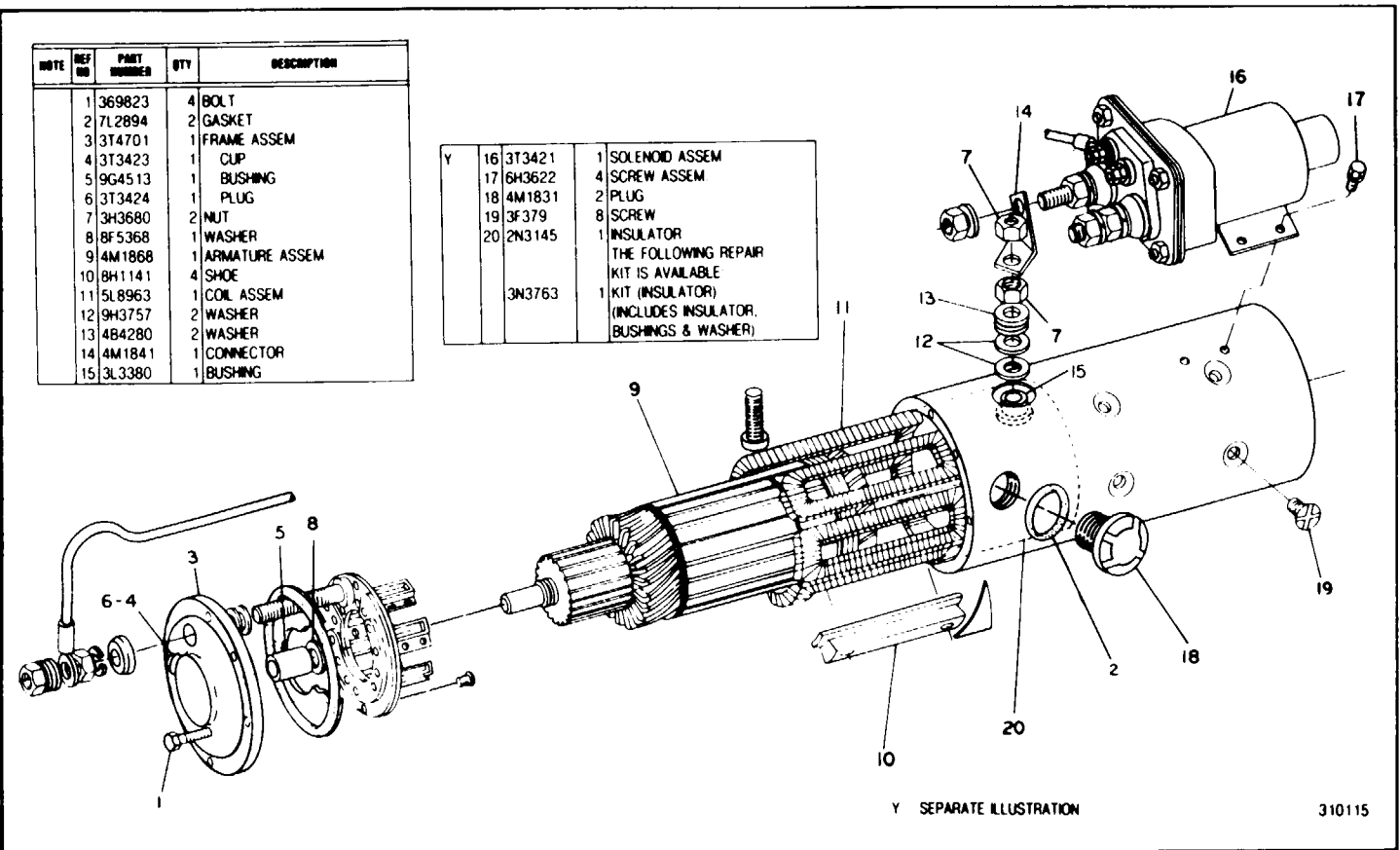
TM 5-3805-248-14&P-4

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2P8822	PLATE ASSEM.-----	1
2	4N9401	KIT----- (Includes 6 Brushes)----	1
	2P8868	KIT----- (Includes 8 Springs)----	1
3	2P8825	SHIFT YOKE ASSEM.-----	1
4	2P8817	KIT----- (Yoke Adjusting)----- (Includes Plugs, Pin, Gasket & Nut)	1
5	8S1535	KIT----- (Includes 6 Plugs)-----	1
6	4N9402	KIT----- (Includes 10 Insulations)---	1
7	8S4684	KIT----- (Bearing & Wick)-----	1
8	9G5854	HOUSING ASSEM. --- (Pinion)-----	1
9	9F2247	PLUG-----	1
10	8S4680	KIT----- (Includes 10 Seals)-----	1
11	9G5587	DRIVE ASSEM.-----	1
12	2H3931	SEAL-----	1
13	2P8824	HOUSING ASSEM.-----	1
	2B4602	PLUG-----	1
14	8S2226	BUSHING-----	1
15	8S2225	SEAL-----	1
	L1340	SCREW-----	7
16	2P8816	KIT-- (Includes Housing Screws)---	1
17	3B4504	LOCKWASHER-----	7
18	4M189	SEAL-----	1
19	2P8818	KIT----- (Field Coil)----- (Includes Coils, Gaskets & Screws)	1
	8S1546	ARMATURE ASSEM.-----	1
20	8S8075	KIT-- (Armature Thrust Washers)---	1

228140



9G5584 ELECTRIC MOTOR GROUP-Prestolite-24 Volt-Part 2
Part of 6N1889 Electric Starting Motor Group shown on Page 95

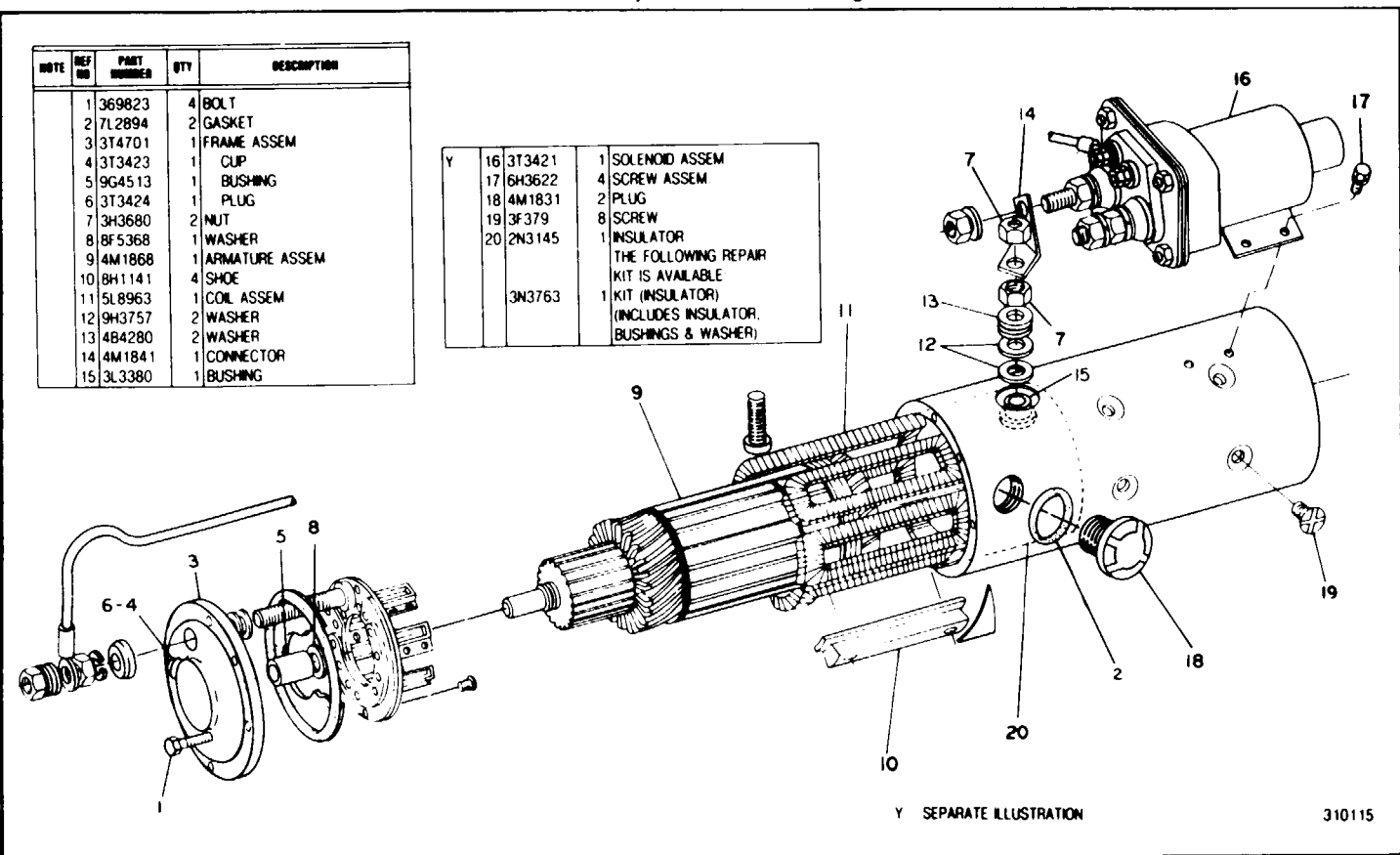


NOTE	REF ID	PART NUMBER	QTY	DESCRIPTION
	1	369823	4	BOLT
	2	7L2894	2	GASKET
	3	3T4701	1	FRAME ASSEM
	4	3T3423	1	CUP
	5	9G4513	1	BUSHING
	6	3T3424	1	PLUG
	7	3H3680	2	NUT
	8	8F5368	1	WASHER
	9	4M1868	1	ARMATURE ASSEM
	10	8H1141	4	SHOE
	11	5L8963	1	COIL ASSEM
	12	9H3757	2	WASHER
	13	4B4280	2	WASHER
	14	4M1841	1	CONNECTOR
	15	3L3380	1	BUSHING

Y	16	3T3421	1	SOLENOID ASSEM
	17	6H3622	4	SCREW ASSEM
	18	4M1831	2	PLUG
	19	3F379	8	SCREW
	20	2N3145	1	INSULATOR
				THE FOLLOWING REPAIR KIT IS AVAILABLE
		3N3763	1	KIT (INSULATOR, BUSHINGS & WASHER)

3T2649 ELECTRIC STARTING MOTOR GROUP-24 Volt- Delco-Remy-Part 1 of 3
 Part of 6N1889 Electric Starting Motor Group listed on Page 95
 3T3421 Solenoid parts are shown on Page 101

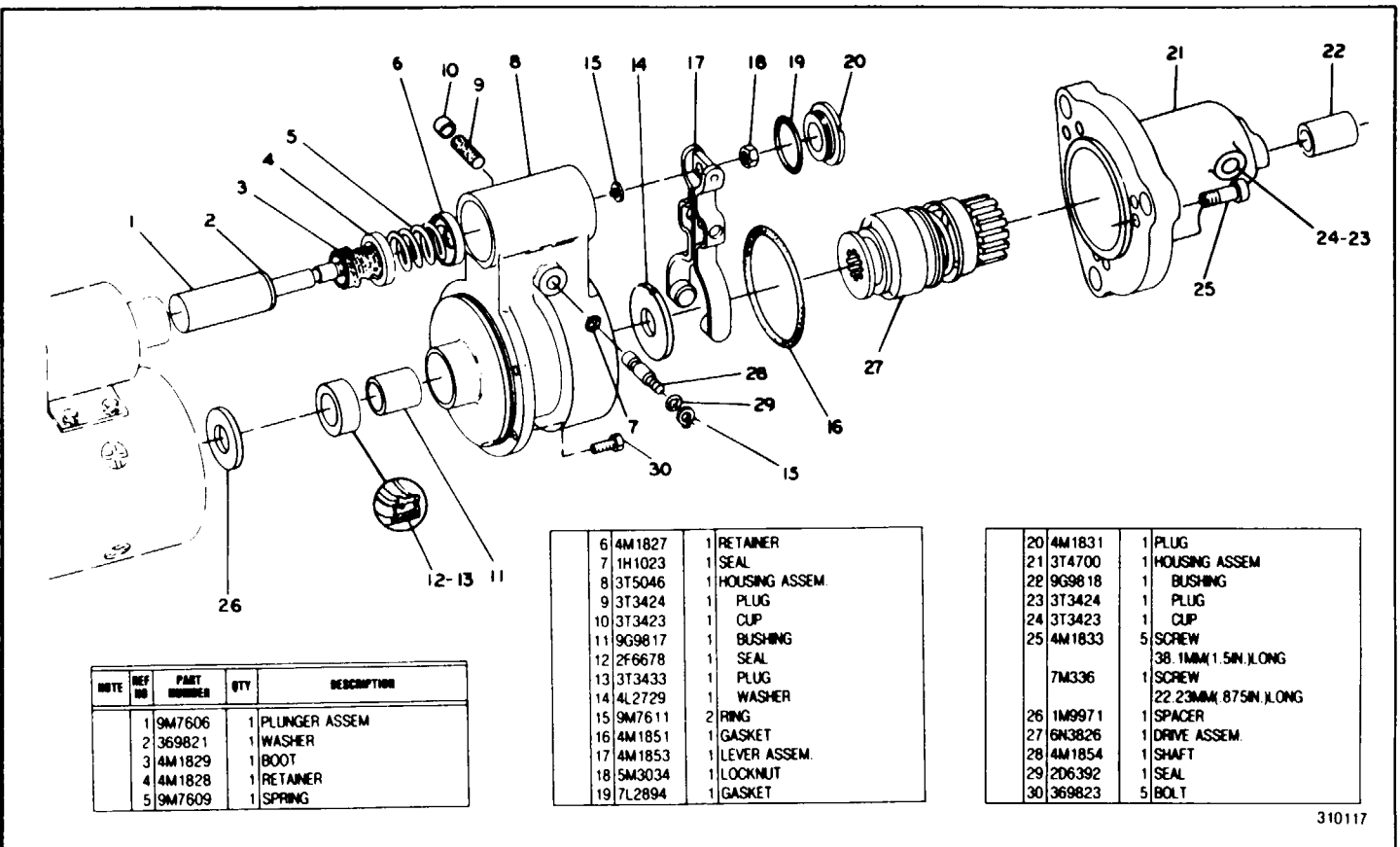
STARTING AND ELECTRICAL SYSTEM



NOTE	REF ID	PART NUMBER	QTY	DESCRIPTION
	1	369823	4	BOLT
	2	7L2894	2	GASKET
	3	3T4701	1	FRAME ASSEM
	4	3T3423	1	CUP
	5	9G4513	1	BUSHING
	6	3T3424	1	PLUG
	7	3H3680	2	NUT
	8	8F5368	1	WASHER
	9	4M1868	1	ARMATURE ASSEM
	10	8H1141	4	SHOE
	11	5L8963	1	COIL ASSEM
	12	9H3757	2	WASHER
	13	4B4280	2	WASHER
	14	4M1841	1	CONNECTOR
	15	3L3380	1	BUSHING

NOTE	REF ID	PART NUMBER	DESCRIPTION
Y	16	3T3421	1 SOLENOID ASSEM
	17	6H3622	4 SCREW ASSEM
	18	4M1831	2 PLUG
	19	3F379	8 SCREW
	20	2N3145	1 INSULATOR
		3N3763	1 KIT (INSULATOR) THE FOLLOWING REPAIR KIT IS AVAILABLE (INCLUDES INSULATOR, BUSHINGS & WASHER)

3T2649 ELECTRIC STARTING MOTOR GROUP-24 Volt-Delco-Remy - VPart 2 of 3
Part of 6N1889 Electric Starting Motor Group listed on Page 95



NOTE	REF NO	PART NUMBER	QTY	DESCRIPTION
	1	9M7606	1	PLINGER ASSEM
	2	369821	1	WASHER
	3	4M1829	1	BOOT
	4	4M1828	1	RETAINER
	5	9M7609	1	SPRING

6	4M1827	1	RETAINER
7	1H1023	1	SEAL
8	3T5046	1	HOUSING ASSEM.
9	3T3424	1	PLUG
10	3T3423	1	CUP
11	9G9817	1	BUSHING
12	2F6678	1	SEAL
13	3T3433	1	PLUG
14	4L2729	1	WASHER
15	9M7611	2	RING
16	4M1851	1	GASKET
17	4M1853	1	LEVER ASSEM.
18	5M3034	1	LOCKNUT
19	7L2894	1	GASKET

20	4M1831	1	PLUG
21	3T4700	1	HOUSING ASSEM
22	9G9818	1	BUSHING
23	3T3424	1	PLUG
24	3T3423	1	CUP
25	4M1833	5	SCREW
			38.1MM/1.5IN. LONG
	7M336	1	SCREW
			22.23MM/ 875IN. LONG
26	1M9971	1	SPACER
27	6N3826	1	DRIVE ASSEM.
28	4M1854	1	SHAFT
29	2D6392	1	SEAL
30	369823	5	BOLT

310117

3T2649 ELECTRIC STARTING MOTOR GROUP - 24 Volt - Delco-Remy - Part 3 of 3
 Part of 6N1889 Electric Starting Motor Group listed on Page 95

STARTING AND ELECTRICAL SYSTEM

REF NO.	PART NUMBER	DESCRIPTION	QTY.
1	9M7657	NUT-----	4
2	8S8023	COVER ASSEM.----- (Includes)	1
3	8S8024	GASKET-----	1
4	3T3370	CORE ASSEM.-----	1
5	8S1528	BOOT-----	1

The following Repair Kits are available:
 9S8688-KIT----- (Core-Contact End) 1
 8S1527-KIT----- (Core-Yoke End)---- 1
 6T3701-KIT----- (Terminal)----- 1

181240

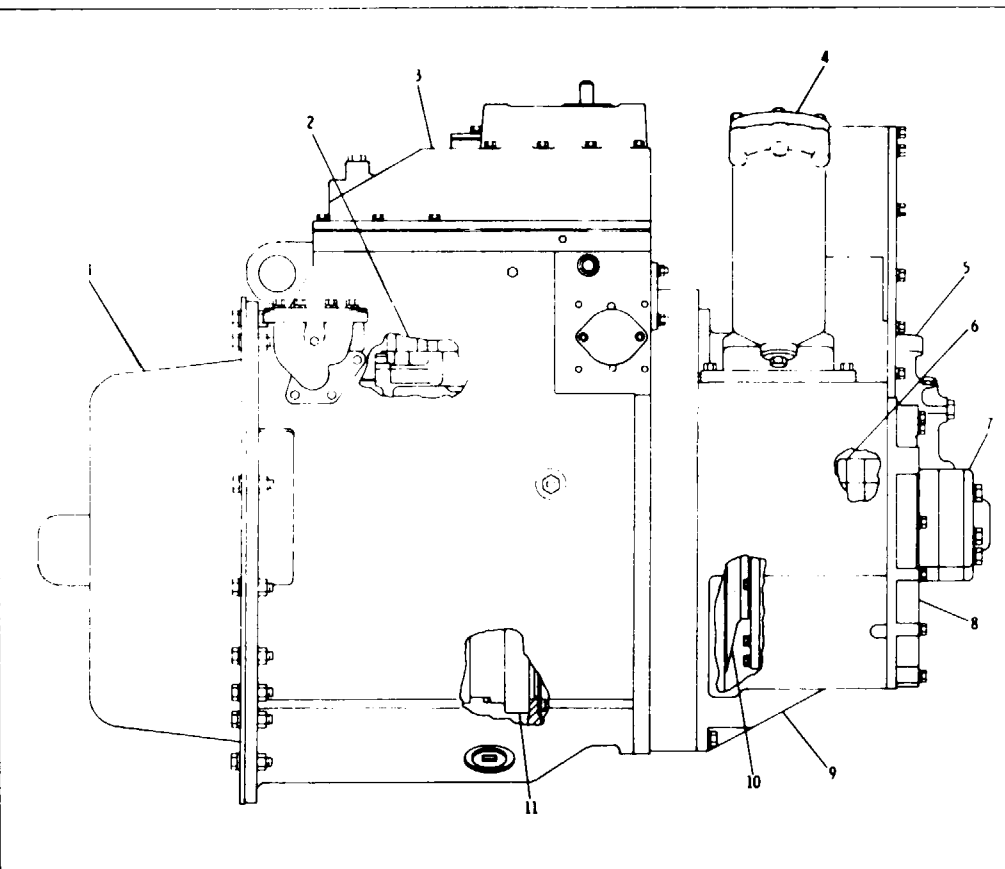
3T8635 SOLENOID SWITCH ASSEMBLY-24 Volt
 Part of 9G5584 Electric Starting Motor Group shown on Page 96

REF NO.	PART NUMBER	DESCRIPTION	QTY.
1	9G6770	CONTACT ASSEM.-----	1
2	4M1815	SPRING-----	1
3	4M5274	SCREW-----	3
4	6T1121	GASKET-----	1
5	4S4065	SCREW-----	4
6	4B4274	WASHER-----	8
7	6T1120	BUSHING-----	4
8	4B2049	NUT-----	4
9	6T1119	TERMINAL ASSEM.----- (Includes)	1
10	3H3680	NUT-----	3
11	4B4280	WASHER-----	3
12	9F4976	LOCKWASHER-----	2
13	4B2049	NUT-----	3
14	4B4274	WASHER-----	3
15	3B4502	LOCKWASHER-----	2
16	6T362	INSULATOR-----	1
17	SMHS7843	FORM----- (Installing Solenoid Assem.)	1

302523

3T3421 SOLENOID ASSEMBLY
 Part of 3T2649 Electric Starting Motor Group shown on Page 98

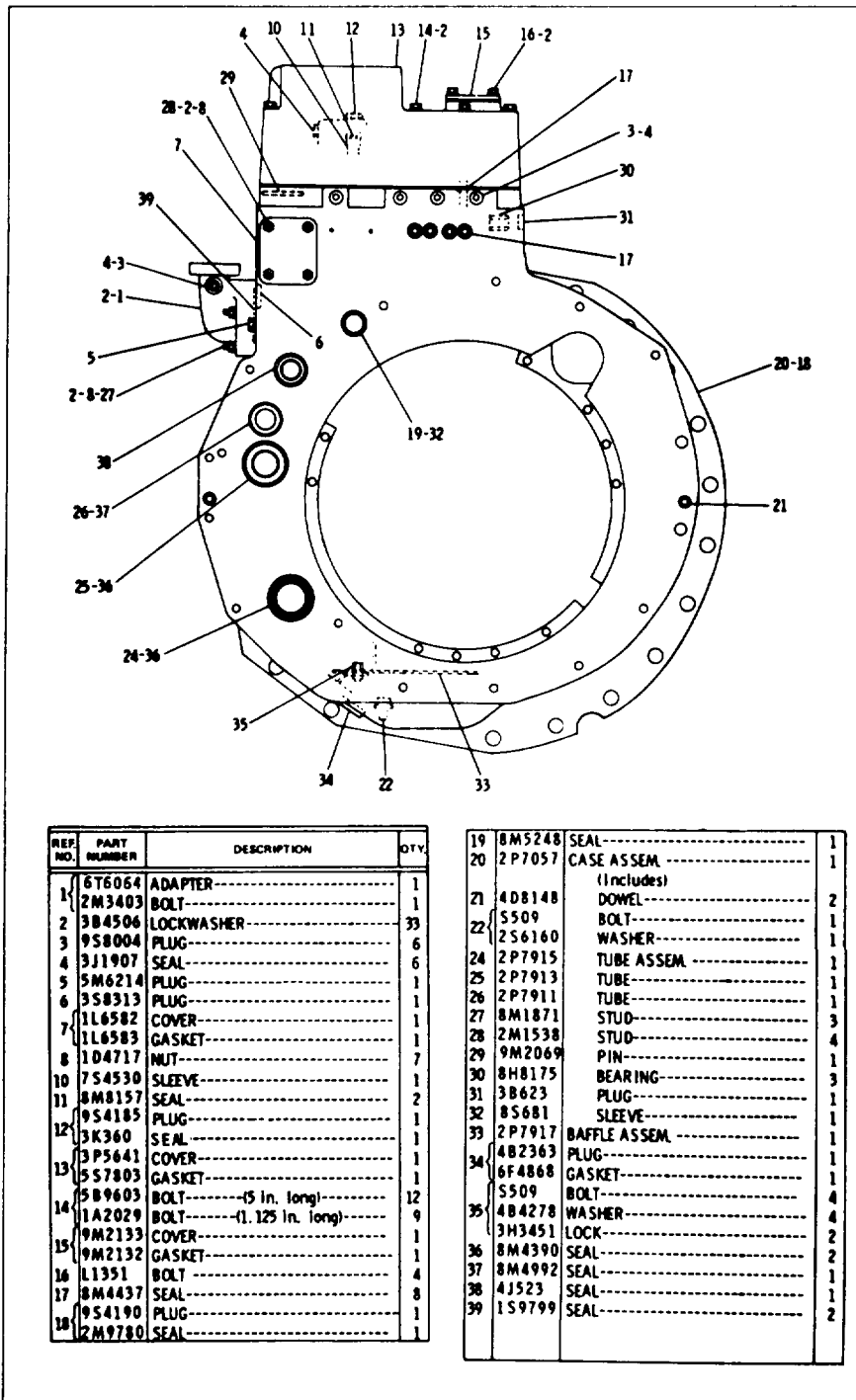
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2P9310	COVERS GROUP----- (Shipping and Storage-Includes Cover, Gaskets and Hardware)	1
2	7G2779	TRANSMISSION HYDRAULIC CONTROL GROUP-----	1
3	2P9309	TRANSMISSION CASE AND COVERS GROUP-----	1
4	9P6447	FILTER GROUP-----	1
5	3P367	GOVERNOR AND DRIVE GROUP--	1
6	3P204	TRANSMISSION PUMP GROUP--	1
7	3P203	SCAVENGE PUMP GROUP-----	1
8	8S660	MANIFOLD GROUP-----	1
9	2P9240	TRANSFER GEAR GROUP-----	1
10	3P1630	TORQUE CONVERTER GROUP-----	1
11	2P9311	PLANETARY TRANSMISSION GROUP----- (Separate Illustration)	1



7G2780 TRANSMISSION ARRANGEMENT

2P9309 Case & Cover, 2P9311 Planetary, 7G2779 Control, 2P9240 Transfer Gear, 3P1630 Torque Converter, 8S660 Manifold & screen, 3P367 Governor & Drive, 3P203 Scavenge Pump, 3P204 Pressure Pump Filter parts are shown on Pages 105, 106, 107, 108, 109, 120, 122, 123, 124, 126, 127, and 128

POWER TRAIN-POWER TRANSMISSION UNIT

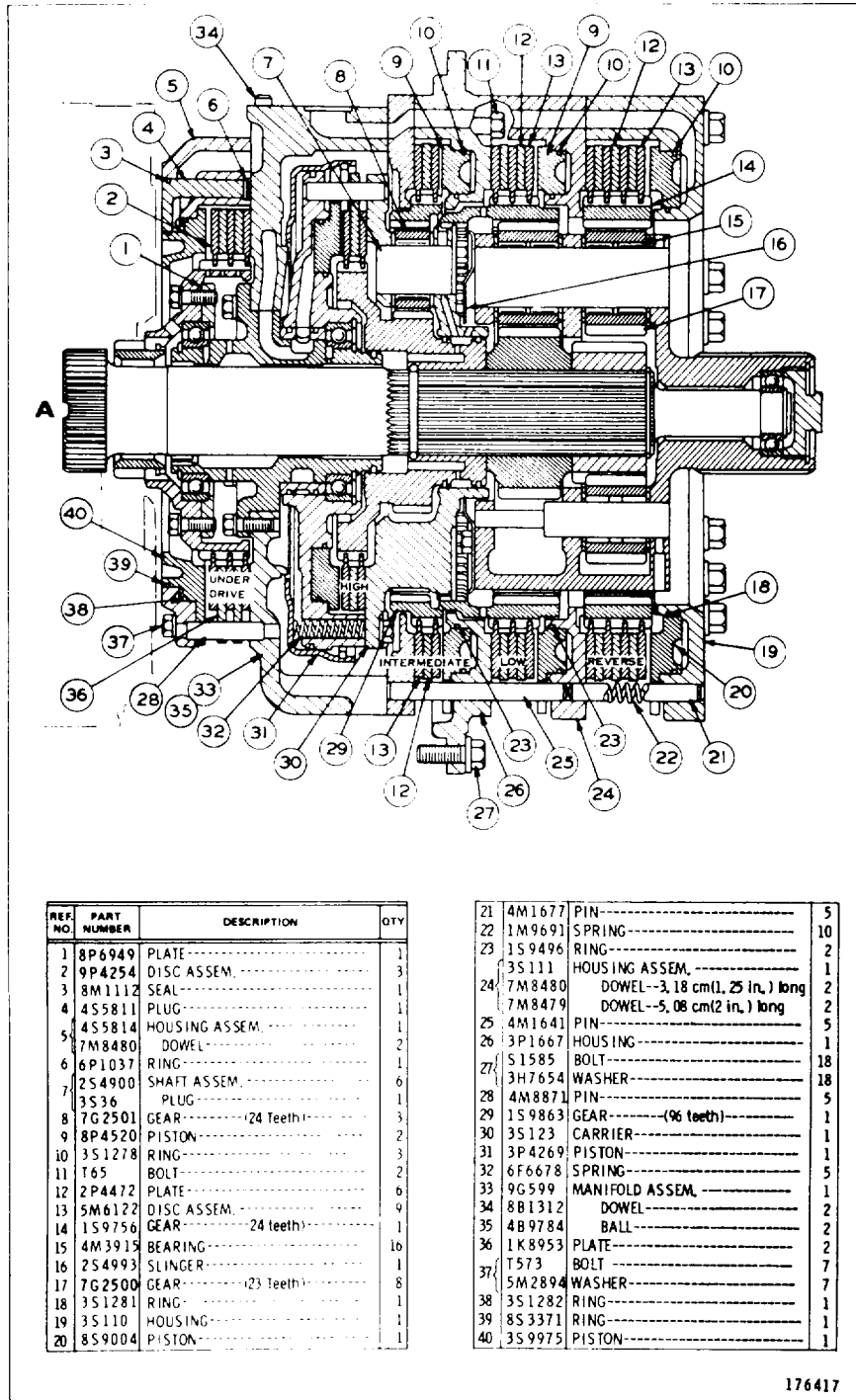


REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6T6064	ADAPTER-----	1
1	2M3403	BOLT-----	1
2	3B4506	LOCKWASHER-----	33
3	9S8004	PLUG-----	6
4	3J1907	SEAL-----	6
5	5M6214	PLUG-----	1
6	3S8313	PLUG-----	1
7	1L6582	COVER-----	1
7	1L6583	GASKET-----	1
8	1D4717	NUT-----	7
10	7S4530	SLEEVE-----	1
11	8M8157	SEAL-----	2
11	9S4185	PLUG-----	1
12	3K360	SEAL-----	1
12	3P5641	COVER-----	1
13	5S7803	GASKET-----	1
13	5B9603	BOLT-----[5 in. long]	12
14	1A2029	BOLT-----[1.125 in. long]	9
14	9M2133	COVER-----	1
15	9M2132	GASKET-----	1
16	1L351	BOLT-----	4
17	8M4437	SEAL-----	8
17	9S4190	PLUG-----	1
18	2M9780	SEAL-----	1

19	8M5248	SEAL-----	1
20	2P7057	CASE ASSEM-----	1
		(Includes)	
21	4D8148	DOWEL-----	2
	5S09	BOLT-----	1
22	2S6160	WASHER-----	1
24	2P7915	TUBE ASSEM-----	1
25	2P7913	TUBE-----	1
26	2P7911	TUBE-----	1
27	8M1871	STUD-----	3
28	2M1538	STUD-----	4
29	9M2069	PIN-----	1
30	8H8175	BEARING-----	3
31	3B623	PLUG-----	1
32	8S681	SLEEVE-----	1
33	2P7917	BAFFLE ASSEM-----	1
34	4B2363	PLUG-----	1
34	6F4868	GASKET-----	1
	5S09	BOLT-----	4
35	4B4278	WASHER-----	4
	3M3451	LOCK-----	2
36	8M4390	SEAL-----	2
37	8M4992	SEAL-----	1
38	4J523	SEAL-----	1
39	1S9799	SEAL-----	2

2P9309 TRANSMISSION CASE AND COVER GROUP
Part of 7G2780 Transmission Arrangement shown on Page 102

CATERPILLAR 621B TRACTOR



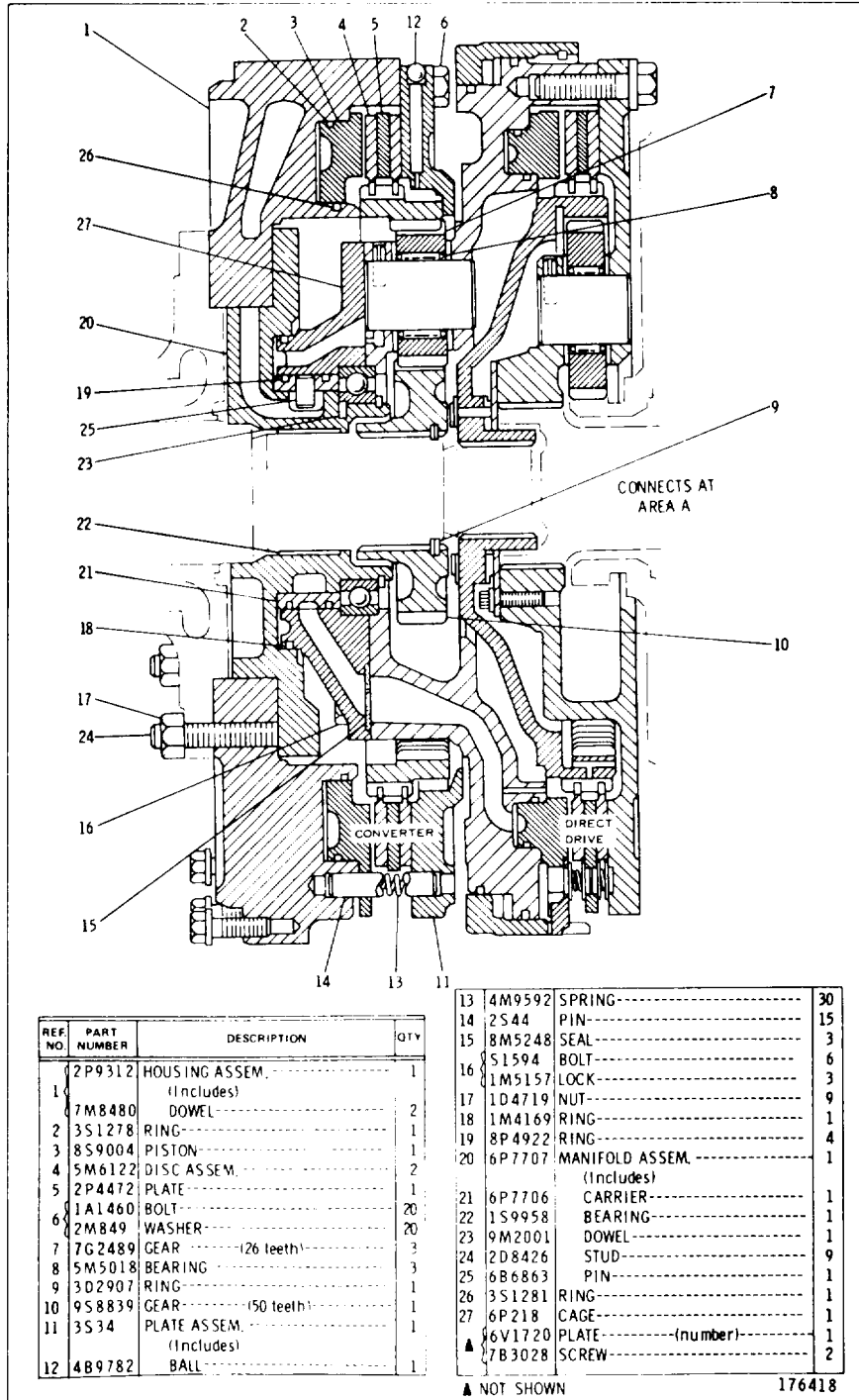
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8P6949	PLATE	1
2	9P4254	DISC ASSEM.	3
3	8M1112	SEAL	1
4	4S5811	PLUG	1
5	4S5814	HOUSING ASSEM.	1
6	7M8480	DOWEL	2
7	6P1037	RING	1
8	2S4900	SHAFT ASSEM.	6
9	3S36	PLUG	1
10	7G2501	GEAR (24 Teeth)	3
11	8P4520	PISTON	2
12	3S1278	RING	3
13	T65	BOLT	2
14	2P4472	PLATE	6
15	5M6122	DISC ASSEM.	9
16	1S9756	GEAR (24 teeth)	1
17	4M3915	BEARING	1b
18	2S4993	SLINGER	1
19	7G2500	GEAR (23 teeth)	8
20	3S1281	RING	1
21	3S110	HOUSING	1
22	8S9004	PISTON	1

23	4M1677	PIN	5
24	1M9691	SPRING	10
25	1S9496	RING	2
26	3S111	HOUSING ASSEM.	1
27	7M8480	DOWEL--3,18 cm(1,25 in.) long	2
28	7M8479	DOWEL--5,08 cm(2 in.) long	2
29	4M1641	PIN	5
30	3P1667	HOUSING	1
31	S1585	BOLT	18
32	3H7654	WASHER	18
33	4M8871	PIN	5
34	1S9863	GEAR (96 teeth)	1
35	3S123	CARRIER	1
36	3P4269	PISTON	1
37	6F6678	SPRING	5
38	9C599	MANIFOLD ASSEM.	1
39	8B1312	DOWEL	2
40	4B9784	BALL	2
41	1K8953	PLATE	2
42	T573	BOLT	7
43	5M2894	WASHER	7
44	3S1282	RING	1
45	8S3371	RING	1
46	3S9975	PISTON	1

176417

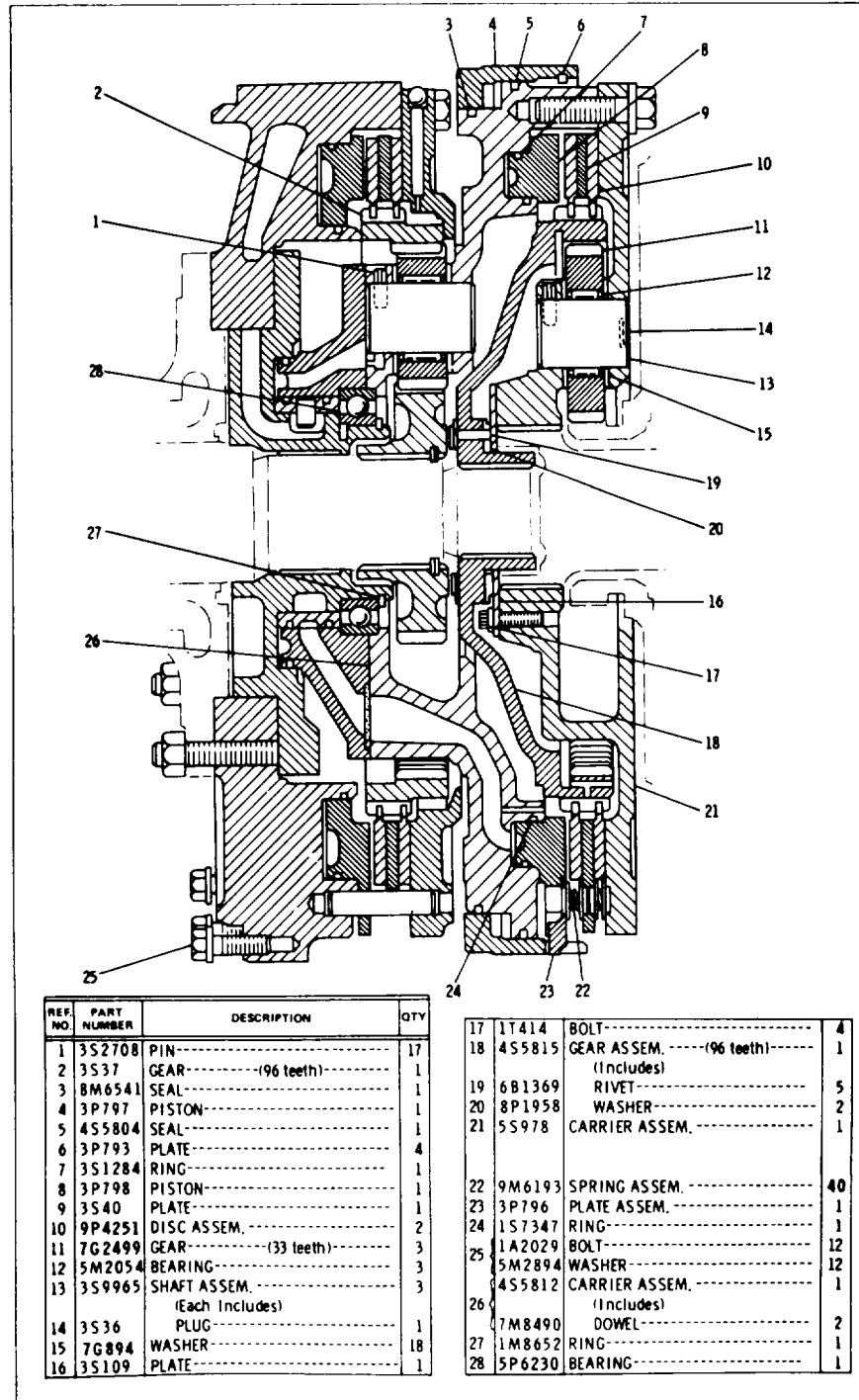
2P9311 PLANETARY TRANSMISSION GROUP-Part 1 of 4
Part of 7G2780 Transmission Arrangement shown on Page 102

POWER TRAIN-POWER TRANSMISSION UNIT



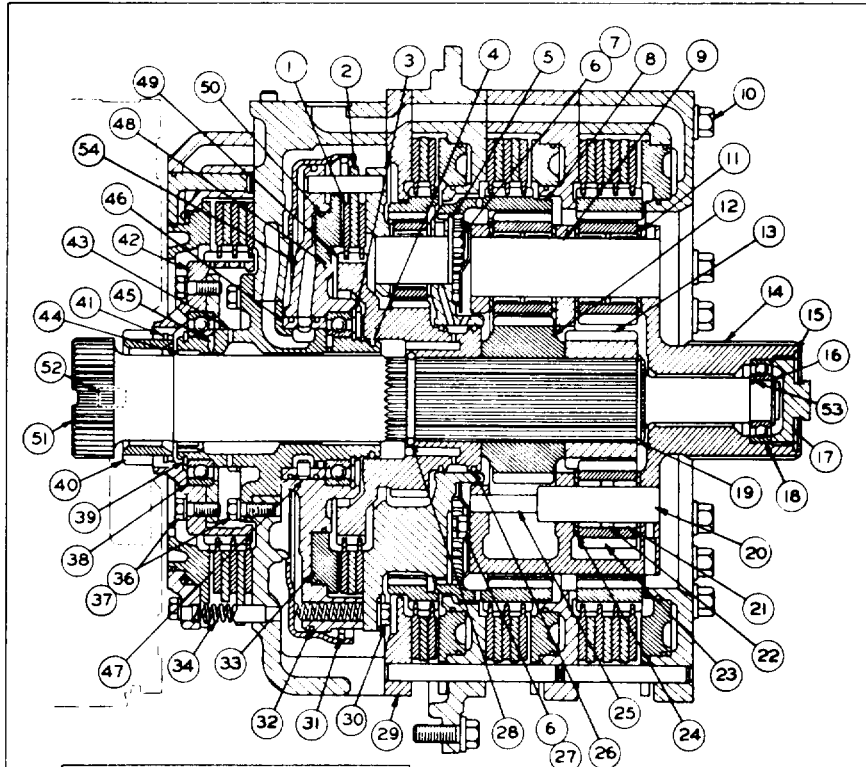
2P9311 PLANETARY TRANSMISSION GROUP--Part 2 of 4
Part of 7G2780 Transmission Arrangement shown on Page 102

CATERPILLAR 621B TRACTOR



2P9311 PLANETARY TRANSMISSION GROUP-Part 3 of 4
Part of 7G2780 Transmission Arrangement shown on Page 102

POWER TRAIN-POWER TRANSMISSION UNIT

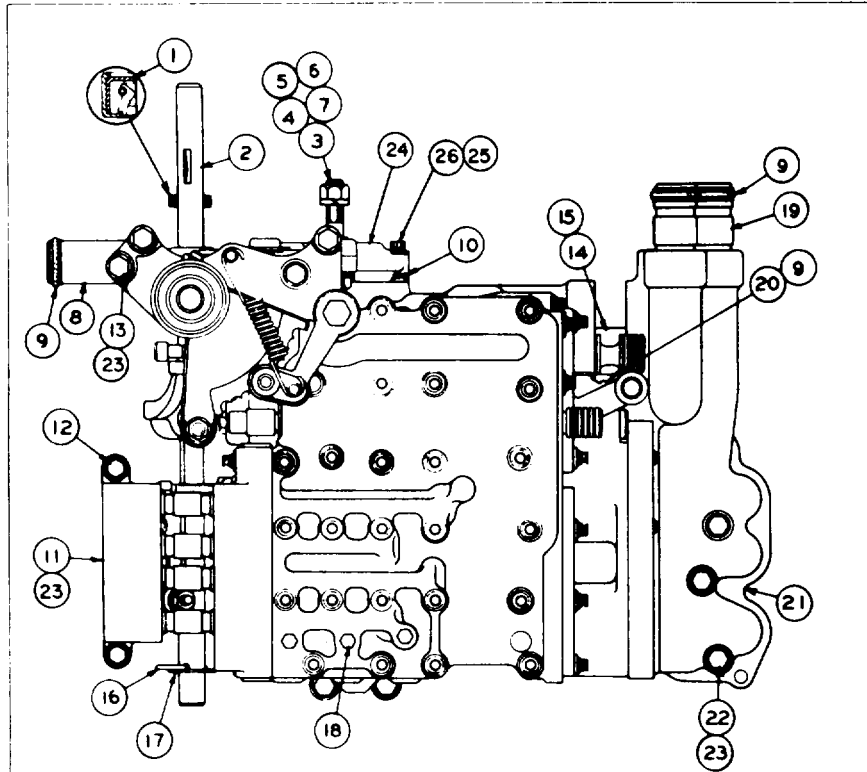


REF NO	PART NUMBER	DESCRIPTION	QTY
1	4S8724	DISC ASSEM.	2
2	3S44	PLATE.....	1
3	1M8649	RING.....	1
4	6H7201	RING.....	1
5	1S5623	PLATE.....	3
6	1102	BOLT.....	14
7	4F2218	LOCK.....	3
8	1S5621	GEAR.....(96 Teeth)	1
9	8P6439	SHAFT.....	4
10	8M139	BOLT.....	16
	2M849	WASHER.....	16
11	7G896	WASHER.....	16
12	3S1394	GEAR.....(35 Teeth)	1
13	3S1395	GEAR.....(29 Teeth)	1
14	7S4610	CARRIER ASSEM.	1
15	5S7779	RING.....	1
16	8H3981	RING.....	1
17	5S4426	ADAPTER.....	1
18	5S4442	BEARING.....	1
19	2K5967	RING.....	1
20	3S2710	SHAFT.....	4
21	2S669	BEARING.....	8
22	3S2660	SPACER.....	4
23	7G2512	GEAR.....(17 Teeth)	4
24	7G892	WASHER.....	8
25	5M6212	TUBE.....	4
26	6F155	RING.....	2
27	3H9500	LOCK.....	4
28	3S2619	RING.....	1
29	3S147	PLATE ASSEM.	1
	7M8479	DOWEL.....	2

30	L2070	BOLT.....	8
	5M2894	WASHER.....	8
31	3P4270	PLATE.....	5
32	4S5805	SEAL.....	1
33	3P4265	PISTON.....	1
34	4M9592	SPRING.....	5
36	51594	BOLT.....	12
37	3S2666	LOCK.....	6
38	9M2004	BEARING.....	2
39	1M8652	RING.....	2
40	8S9184	GEAR ASSEM. --(35 and 65 Teeth)--	1
	8S9181	GEAR.....	1
41	8S9182	RING.....	1
42	8S9183	HUB.....	1
43	6P7709	CAGE ASSEM.	1
44	3S1292	BEARING.....	1
45	9M2001	DOWEL.....	2
46	6P7706	CARRIER.....	1
47	6B6863	PIN.....	1
48	3S1283	RING.....	1
49	3S1396	GEAR --(65 and 55 Teeth).....	1
50	3S1282	RING.....	1
51	5S7780	SHAFT ASSEM.	1
52	3D8823	BEARING.....	1
53	5S4441	DOWEL.....	1
	3S120	HOUSING ASSEM.	1
54	7M8480	DOWEL.....	2

2P9311 PLANETARY TRANSMISSION GROUP-Part 4 of 4
Part of 7G2780 Transmission Arrangement shown on Page 102

CATERPILLAR 621B TRACTOR



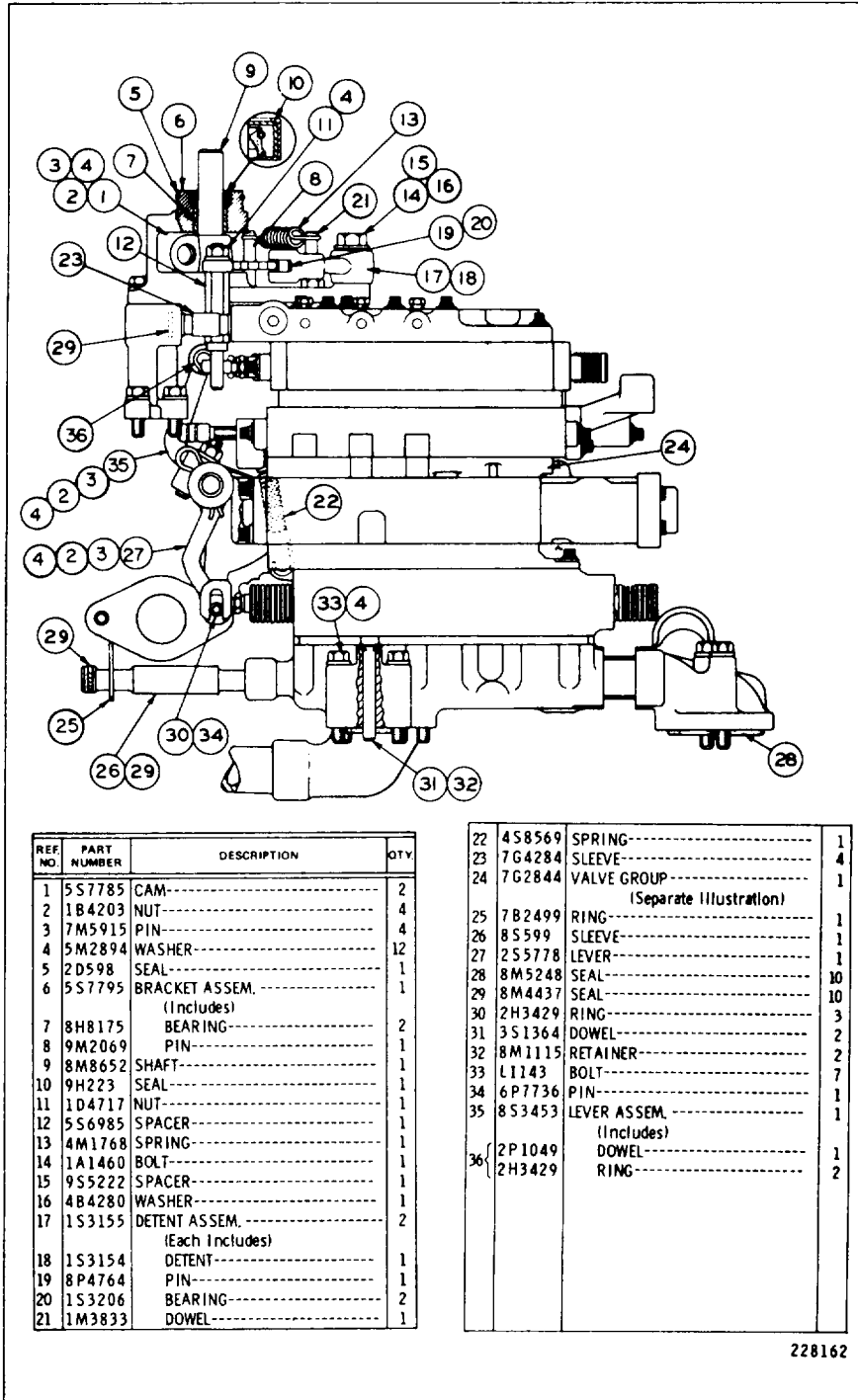
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	9H223	SEAL	1
2	5S3656	SHAFT	1
3	L1329	BOLT	1
4	1D4719	NUT	1
5	3B4508	LOCKWASHER	1
6	4B4280	WASHER	1
7	9S5222	SPACER	1
8	3S1323	SLEEVE	1
9	8M4432	SEAL	8
10	8M4992	SEAL	1
11	5S7808	MANIFOLD	1
12	S1588	BOLT	2
13	1A5964	BOLT	4
14	1S5549	SLEEVE	6

15	1S7462	SEAL	12
16	8S6377	PIN	1
17	4H1394	WASHER	1
18	5M6214	PLUG	3
19	2P1964	SLEEVE	2
20	1S5550	SLEEVE	1
21	1P3230	MANIFOLD	1
22	T573	BOLT	3
23	5M2894	WASHER	9
24	3P2420	ELBOW	1
25	9M1974	WASHER	2
26	8M8162	BOLT	2

222505

7G2779 TRANSMISSION HYDRAULIC CONTROL GROUP-Automatic Shift-Part 1
 Part of 7G2780 Transmission Arrangement shown on Page 102

POWER TRAIN-POWER TRANSMISSION UNIT



REF NO	PART NUMBER	DESCRIPTION	QTY
1	5S7785	CAM-----	2
2	1B4203	NUT-----	4
3	7M5915	PIN-----	4
4	5M2894	WASHER---	12
5	2D598	SEAL-----	1
6	5S7795	BRACKET ASSEM.----- (Includes)	1
7	8H8175	BEARING---	2
8	9M2069	PIN-----	1
9	8M8652	SHAFT-----	1
10	9H223	SEAL-----	1
11	1D4717	NUT-----	1
12	5S6985	SPACER---	1
13	4M1768	SPRING---	1
14	1A1460	BOLT-----	1
15	9S5222	SPACER---	1
16	4B4280	WASHER---	1
17	1S3155	DETENT ASSEM.----- (Each Includes)	2
18	1S3154	DETENT-----	1
19	8P4764	PIN-----	1
20	1S3206	BEARING---	2
21	1M3833	DOWEL-----	1

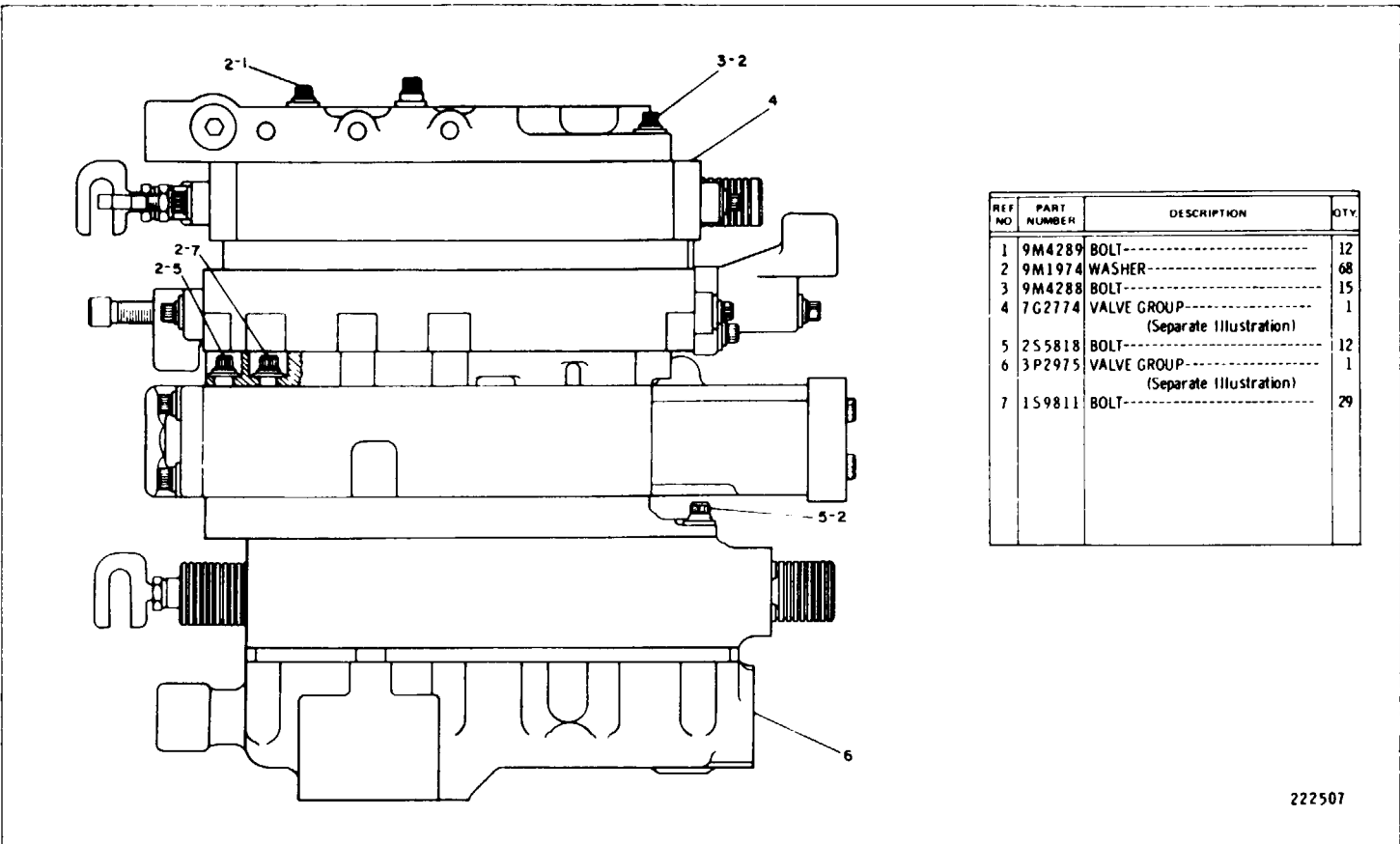
22	4S8569	SPRING-----	1
23	7G4284	SLEEVE-----	4
24	7G2844	VALVE GROUP----- (Separate Illustration)	1
25	7B2499	RING-----	1
26	8S599	SLEEVE---	1
27	2S5778	LEVER-----	1
28	8M5248	SEAL-----	10
29	8M4437	SEAL-----	10
30	2H3429	RING-----	3
31	3S1364	DOWEL---	2
32	8M1115	RETAINER---	2
33	L1143	BOLT-----	7
34	6P7736	PIN-----	1
35	8S3453	LEVER ASSEM.----- (Includes)	1
36	2P1049	DOWEL---	1
	2H3429	RING-----	2

228162

7G2779 TRANSMISSION HYDRAULIC CONTROL GROUP-Automatic Shift-Part 2
 Part of 7G2780 Transmission Arrangement shown on Page 102
 7G2844 Valve parts are shown on Page 110

REF NO	PART NUMBER	DESCRIPTION	QTY.
1	9M4289	BOLT-----	12
2	9M1974	WASHER-----	68
3	9M4288	BOLT-----	15
4	7G2774	VALVE GROUP----- (Separate Illustration)	1
5	2S5818	BOLT-----	12
6	3P2975	VALVE GROUP----- (Separate Illustration)	1
7	1S9811	BOLT-----	29

222507

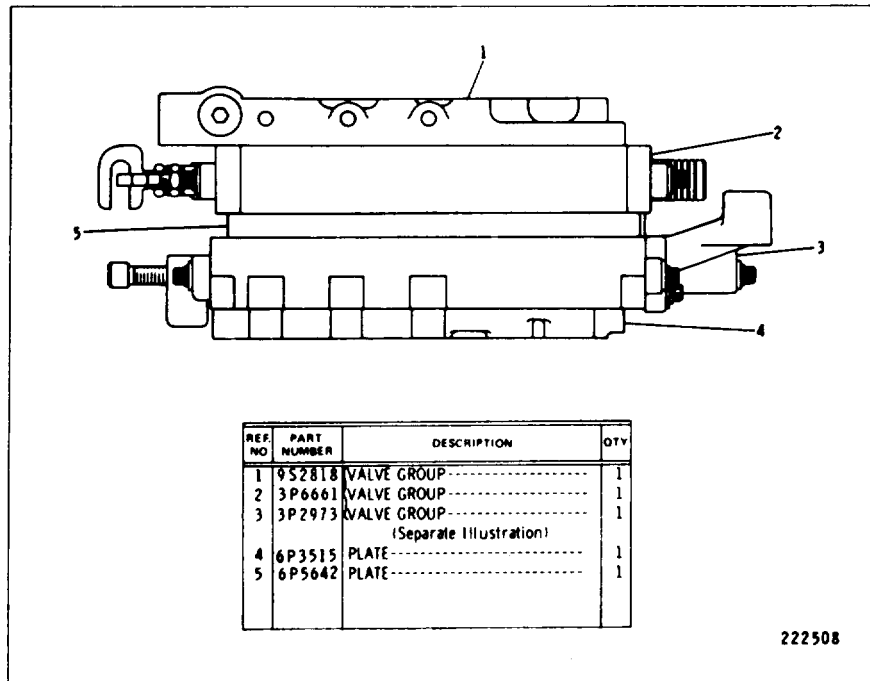


7G2844 AUTOMATIC SHIFTING VALVE GROUP

7G2844 AUTOMATIC SHIFTING VALVE GROUP

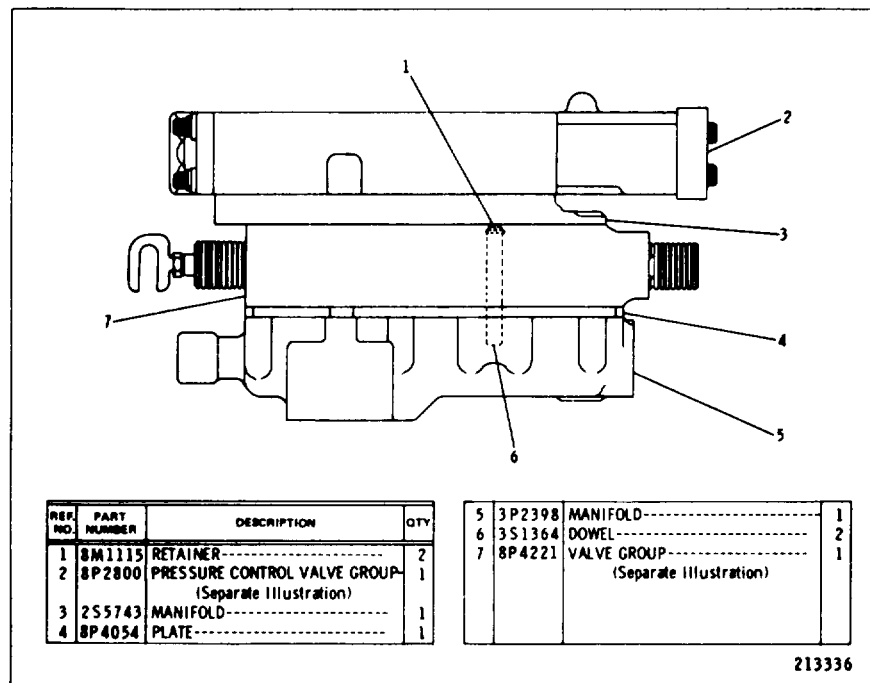
Part of 7G2779 Transmission Hydraulic Control Group shown on Page 109
 7G2774 Shifting & 3P2975 Selector Valve parts are shown on Page 111

POWER TRAIN-POWER TRANSMISSION UNIT



7G2774 AUTOMATIC SHIFTING VALVE GROUP

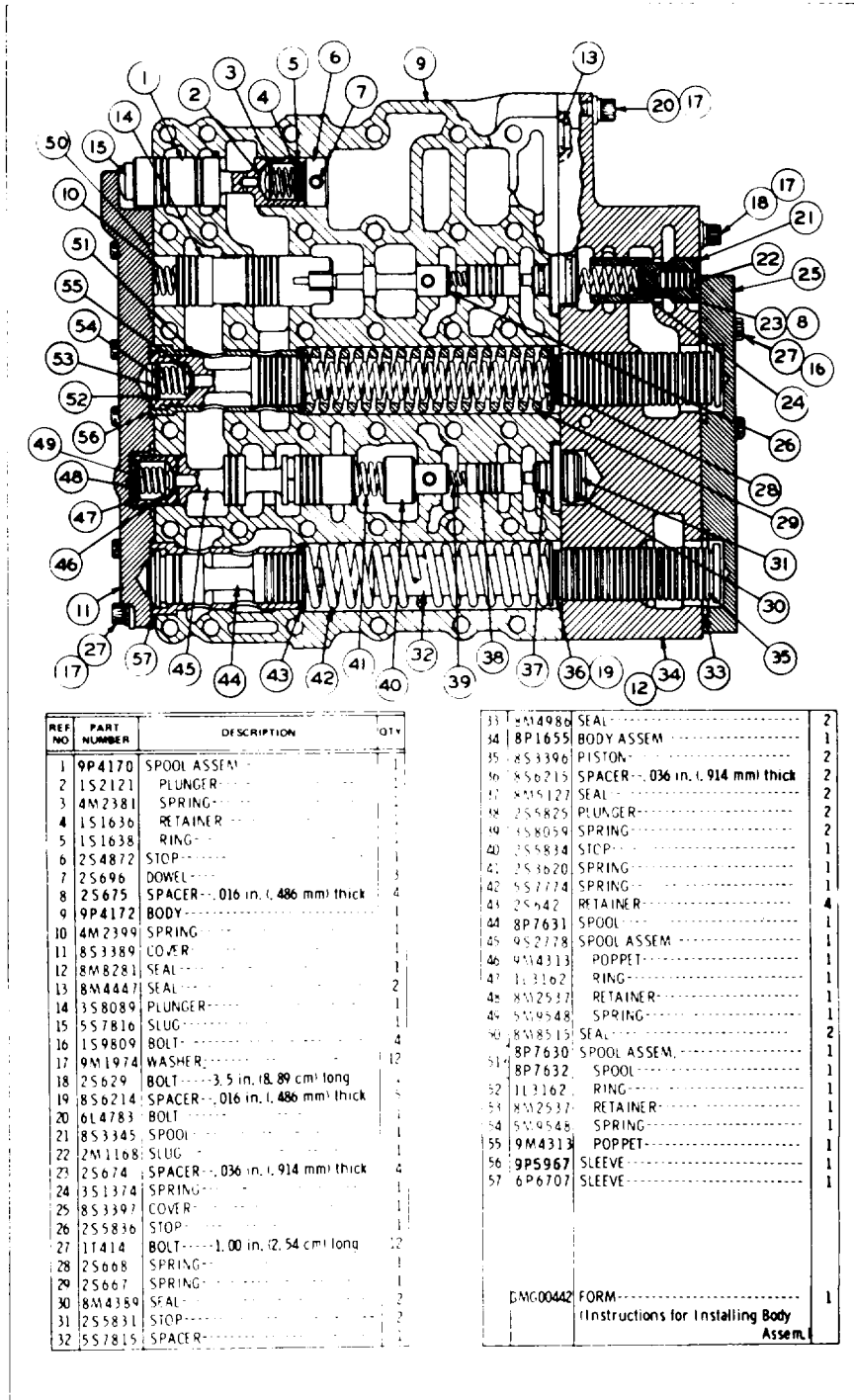
Part of 7G2844 Automatic Shifting Valve Group shown on Page 110
 3P2973 Pressure, 3P6661 Selector and 9S2818 Cut-Off Valves are shown on
 Pages 114,115 and 116



3P2975 AUTOMATIC PRESSURE CONTROL AND SELECTOR VALVE GROUP

Part of 7G2844 Automatic Shifting Valve Group shown on Page 110
 8P2800 Control & 8P4221 Selector Valve parts are shown on Pages 112 and 113

CATERPILLAR 621B TRACTOR



8P2800 PRESSURE CONTROL VALVE GROUP

Part of 3P2975 Automatic Pressure Control and Selector Valve Group shown on Page 111

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR P/N	FSCM
2G6087	11083	C4076-020-4	72800
2G7118	11083	2160	71607
2G7181	11083	287298	06853
2G7182	11083	287313	06853
2G7183	11083	286718	06853
2G7184	11083	287053	06853
2G7353	11083	1664400	91024
2G7359	11083	1560002	91024
2G8227	11083	7608-029	30327
2G8265	11083	5123	70082
2G8579	11083	7633	70082
2G8581	11083	5303	70082
2G8584	11083	1634101	91024
2G8587	11083	1556304	91024
2G8588	11083	1604000	91024
2G8589	11083	1603903	91024
2G8590	11083	1603900	91024
2G8591	11083	1603902	91024
2G8592	11083	1562103	91024
2G8593	11083	1563401	91024
2GS594	11083	1715100	91024
2G8595	11083	1715000	91024
2G8651	11083	1586400	91024
2G9267	11083	50485	28882
2G9268	11083	50484	28882
2G9280	11083	3000009U0	28882
2G9485	11083	RS-104	82654
2G9927	11083	103254	06853
2H1855	11083	7784	13445
2H3429	11083	5100-37	79136
2H3788	11083	21-NE-083	72962
2H3789	11083	21-NE-101	30655
2H3790	11083	41-N3-120	72962
2H3922	11083	1232-00	77900
2J564	11083	X53NTU-3212	72962
2J6540	11083	40HL	66295
2J6659	11083	2000-T-280	02397
2J7763	11083	194878	80980
2L6679	11083	1965093	16764
2M1908	11083	217709	06853
2M5282	11083	5949719	73331
2M913	11083	R82228	14726
2M9346	11083	226262	06853
2N3145	11083	1955990	16764
2N8109	11083	1900	66295
2P1222	11083	CAT-1004	16632
2P1269	11083	6489960	70040
2P2541	11083	5937085	73331
2P4339	11083	100056-8	17875
2P5616	11083	1852726	16764
2P8816	11083	P90-2207	88104
2P8817	11083	P90-2206	24041

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR P/N	FSCM
2P8818	11083	MES1005AS	88104
2P8819	11083	P90-2205	24041
2P8822	11083	MES-1064D	88104
2P8824	11083	MES-2116S	88107
2P8825	11083	MEU-2042-8	88104
2P8868	11083	MBD-19CS	88104
2R1532	11083	239949	06853
2R2376	11083	17-10014-12	94222
2R364	11083	5133-62-N0	79136
2R618	11083	278597	06853
2R720	11083	238474	14892
2R790	11083	60-42728-515	06853
2R791	11083	60-40459-28	06853
2R9613	11083	243588	06853
2S4783	11083	910824	73331
2S7316	11083	C-434-Q	80657
303978	11083	202701-4-65	26622
369821	11083	1948519	16764
369823	11083	1914869	16764
388485	11083	1688 8	70270
388822	11083	1202P-2-2	93061
3B8488	11083	16138	70270
3D2239	11083	YS-978-J-670-02	17875
3D4869	11083	237497	06853
3D5851	11083	534714700	20076
3D5852	11083	523560250	20076
3D6395	11083	6GABB-6MB-132.00	70434
3D8352	11083	5008-112	79136
3D8358	11083	N5000-43	79136
3D8747	11083	44472	99688
3D8748	11083	5083	99688
3D8749	11083	8195	99688
3D8935	11083	46A48-4N8-4200	70434
3D9718	11083	90030-11	13445
3D9967	11083	C1983-1	76359
3F379	11083	1968396	16764
3F9194	11083	524900950	20076
3G1212	11083	3CXP3169-001	96259
3G1233	11083	NST20150-250A-FE	11671
3G1239	11083	F104535VQ50A25S125AC21	61038
3G1264	11083	412013	80980
3G1265	11083	416417	80980
3G1280	11083	11089	11671
3G1741	11083	24302	11671
3G1745	11083	13691	11671
3G1820	11083	419674	80980
3G2242	11083	419675	80980
3G2279	11083	26056A	11671
3G2280	11083	26057A	11671
3G2834	11083	421240	80980
3G3731	11083	A-331370	96259

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR PIN	FSCM
3G6659	11083	KSCY0202MBX02M-33.50	11810
3G670	11083	A-331125	96259
3G671	11083	A-342041	96259
3G672	11083	A-342040	96259
3G7242	11083	700505	32461
3G7594	11083	1PDXP2490-004	96259
3G9201	11083	433768	80980
3H2691	11083	1251	24455
3J1578	11083	379585	80980
3J4818	11083	1124-00	78189
3J7719	11083	RR-314	80756
3J9545	11083	X53NU-3212	72962
3K6116	11083	X14324	73421
3K8782	11083	AGC-10RX	71607
3K8782	11083	309615	75915
3K9089	11083	82845-J	60703
3K9879	11083	N5000S-156	89462
3L3380	11083	1965472	16764
3L8187	11083	1206-00	78189
3M6017	11083	8338562	19207
3M6018	11083	7982997	19207
3M6161	11083	PN-10-79500-1	06840
3M6539	11083	60-37005-281	83298
3M3763	11083	1851632	16764
3S4484	11083	400390	08179
3S6049	11083	29712	04618
3S6050	11083	29711	04618
3T181	11083	19303-24-M024WC	01843
3T1815	11083	113	57013
3T1885	11083	1124210003	01843
3T1886	11083	1125045116	01843
3T1887	11083	1127320503	01843
3T1888	11083	1117248	16764
3T2169	11083	PH-22	20308
3T2170	11083	PH-23	20308
3T2649	11083	1114964	16764
3T2662	11083	CDA-15I	14859
3T306	11083	90050-02	13445
3T3106	11083	1847807	16764
3T3370	11083	SAY-1008A	24041
3T3419	11083	1957846	16764
3T3423	11083	1978756	16764
3T3424	11083	1978754	16764
3T3433	11083	1964402	16764
3T4700	11083	1970455	16764
3T4701	11083	1945515	16764
3T4703	11083	1852883	16764
3T4705	11083	1979387	16764
3T4706	11083	1867434	16764
3T4709	11083	1979389	16764
3T4710	11083	1979388	16764

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST			
CAT. P/N	FSCM	VENDOR P/N	FSCM
3T4711	11083	1867431	16764
3T4712	11083	1979390	16764
3T5046	11083	1979434	16764
3T8635	11083	SAT-4107	24041
3T8637	11083	44675	99688
41683	11083	N5000-162	79136
4B8440	11083	A-5309	04043
4D1133	11083	249146	06853
4D1134	11083	238662	06853
4D1135	11083	238687	06853
4D1138	11083	238686	06853
4D2289	11083	229502	06853
4D2291	11083	239737	06853
4D2292	11083	239615	06853
4D2293	11083	239708	06853
4D2295	11083	239979	06853
4D2298	11083	239627	06853
4D2302	11083	239634	06835
4D2303	11083	239713	06853
4D2305	11083	239668	06853
4D2619	11083	EA28899	80657
4D2634	11083	235829	06853
4D3365	11083	202678	06853
4D4785	11083	24603	74400
4D5238	11083	240775	06853
4D5243	11083	1220-08	77900
4D5245	11083	239906	06853
4D5248	11083	240457	06853
4D5249	11083	240236	06853
4D5253	11083	239913	06853
4D5254	11083	239911	06853
4D5262	11083	239904	06853
4D5897	11083	8GABB-8MB-58.00	70434
4D6885	11083	6GABB-6MB-71.00	70434
4D7066	11083	276519	06853
4D7408	11083	LK721014A	01843
4D7411	11083	17815-29-SP27WC	01843
4D7412	11083	NT721006	01843
4D7417	11083	BK721005	01843
4D7421	11083	WA1793	01843
4J3957	11083	235729	06840
4J1781	11083	270679	80980
4J8265	11083	24NE-066	72962
4J8393	11083	242460	88917
4J8398	11083	242461	88917
4J8500	11083	277786	88917
4J8524	11083	239513	88917
4J8527	11083	239515	88917
4J8528	11083	241837	06840
4J9120	11083	6GABB-6MB-80.00	70434
4K1077	11083	18972	03018
4K4604	11083	715	76361

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST				
CAT. PIN	FSCM	VENDOR P/N	FSCM	FSCM
4K4605	11083	728		76361
4K8864	11083	140584		30966
4L1250	11083	22NM-02		72967
4L2729	11083	1911644		16764
4M1815	11083	1945402		16764
4M1827	11083	1948526		16764
4M1828	11083	1948520		16764
4M1829	11083	801077		16764
4M1831	11083	1945356		16764
4M1833	11083	1948536		16764
4M1841	11083	1945468		16764
4M1851	11083	1945476		16764
4M1853	11083	1945484		16764
4M1854	11083	1948529		16764
4M1868	11083	1945500		16764
4M1896	11083	1894635		16764
4M3217	11083	1915717		16764
4M6646	11083	S-400624		08179
4N4668	11083	6060A450		18265
4N4879	11083	44942		72962
4N8434	11083	B-916050		53591
4N848	11083	645775L		79150
4N9401	11083	MFJ-201205S		88104
4N9402	11083	MES-111BS		88104
4N9403	11083	90-2274		88104
4N9404	11083	MES-120		24041
4N9405	11083	MFJ-115		88104
4S5367	11083	82154		06743
4S6667	11083	4GABB-4MB-24.00		70434
457562	11083	4GABB-4MB-76.00		70434
457565	11083	HGABB-4MB-65.00		70434
4T471	11083	14906		11671
5D1026	11083	QS100M-10H		66295
5D1026	11083	10H		08484
5D2856	11083	DEF-02-28		99688
5D3426	11083	233034		06853
5D3635	11083	230250		06853
5D3636	11083	236982		06853
5D5885	11083	8GABB-8MB-2500		70434
5D6993	11083	C0-C-7314-1		04937
5D6996	11083	17011		51511
5D6997	11083	A-25151		04937
5D767	11083	276676		06853
5D768	11083	241559		06853
5D9702	11083	244586		06853
5F5434	11083	G131000		70270
5J8275	11083	17159-1111		73680
5J964	11083	17159-1110		73680
5K484	11083	11856		79550
5K5695	11083	18920		03018
5K5917	11083	4031047		54690
5K5921	11083	4031002		54690

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR P/N	FSCM
5K5922	11083	4031041	54690
5K5923	11083	4031340	54690
5K5940	11083	4031017	54690
5K6077	11083	240480	06853
5K6083	11083	246628	06853
5K9858	11083	6GA88B-(6MB-6MB)-14.00	70434
5L5502	11083	8NT-8F-8F	70434
5L5840	11083	600-0101-3/8	17506
5L7631	11083	1781-2	66295
5L8963	11083	1951048	16764
5M6755	11083	235590	06853
5P1404	11083	8033 X 10 X 6Y	79470
5P1717	11083	UT512	66295
5P3290	11083	64034	28882
5P352	11083	64203	28882
5P4869	11083	HTM800	08484
5P597	11083	HTM-250	08484
5P598	11083	U1412-212	66295
5P599	11083	HTM-600	08484
5P6871	11083	2293	70082
5P6875	11083	2340	70082
5P6879	11083	2296	70082
5P7090	11083	840532	03730
5P7759	11083	20620-10-12	30780
5P8132	11083	5102-131	79136
5P8501	11083	45108-A-10	47842
5P8502	11083	45108-A-11	74842
5P904	11083	27766-0760	73680
5P9897	11083	239643	06853
5P9962	11083	75F12-TT	80657
5R4717	11083	5359-41L	50148
5R5056	11083	P14-50OR	34362
5R6328	11083	72030	74400
5R6746	11083	8724494	19207
5R6749	11083	11668932	19207
5R6754	11083	8724495	19207
5R6756	11083	8724497	19207
5S1522	11083	N5000-112-MD	79136
5S5147	11083	916178	73331
5S55148	11083	916179	73331
5T1085	11083	294218	06853
5T1198	11083	50554	28882
5T1730	11083	102166	06853
5T2180	11083	4040592	54690
512188	11083	KSM4040757	54690
5T2189	11083	KSM4040756	54690
5T2190	11083	KSM4041092	54690
5T3872	11083	82126-436	60703
5T4172	11083	1906601	91024
5T5224	11083	102511	06853
5T756	11083	6511-074	30327
5V5496	11083	KS-CU02-02MBX02MC	09505

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST			
CAT. P/N	FSCM	VENDOR P/N	FSCM
616746	11083	411-105	16717
6B4661	11083	C3109 X 12 X 6	79470
6B4661	11083	C3109X12X6	79470
6B5072	11083	C3109 X 8 X 4	79470
6B89664	11083	284142	06853
6D3943	11083	282530	06853
6D4045	11083	4GABB-4MB-27.00	70434
6D4246	11083	COV-1313	75272
6D856	11083	284388	06840
6D918	11083	282517	06853
6D9636	11083	236196	06853
6D9718	11083	4GABB-4MB-9.00	70434
6D9766	11083	281824	06853
6D9855	11083	4GABB-4MB-16.00	70434
6D9858	11083	4GABB-4MB-50.00	70434
6F3930	11083	70HT	17875
6G150	11083	01087-1	76359
6G1567	11083	292647	06853
6G1568	11083	292646	06853
6G1571	11083	245570	06853
6G1572	11083	290575	06853
6G1574	11083	289399	06853
6G1576	11083	282840	06853
6G1587	11083	289398	06853
6G1774	11083	244926	06853
6G2316	11083	1749800	91024
6G2317	11083	1751600	91024
6G2318	11083	1751500	91024
6G2319	11083	1751900	91024
6G2959	11083	95108	28882
6G4330	11083	1555715	91024
6G4340	11083	1555716	91024
6G5553	11083	79221	77915
6G593	11083	KSV4040731	54690
6G5987	11083	44640	99688
6G6395	11083	1586405	91024
6G6396	11083	1829300	91024
6G6397	11083	1693002	91024
6G6398	11083	1860800	91024
6G6399	11083	1782600	91024
6G6401	11083	1563501	91024
6G6402	11083	1829200	91024
6G6403	11083	1829100	91024
6G6404	11083	1561801	91024
6G7490	11083	KSM3675GCS48022	54690
6G7526	11083	90058	28882
6G7607	11083	102200	06853
6G7608	11083	102201	06853
6G8829	11083	5619	70082
6G8831	11083	5620	70082
6H3622	11083	1930611	16764
6H3622	11083	1930611	16764

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR P/N	FSCM
6J1889	11083	R0 001-069	05262
6J1889	11083	17149-1122	07200
6J2391	11083	11146	11071
6J7924	11083	4GABB-4MB-104.00	70434
6K1756	11083	4031076	54690
6K1805	11083	4031063	54690
6K1807	11083	4031252	54690
6K2643	11083	4036104	54690
6K2644	11083	4031181	54690
6K5499	11083	LE721125A-1	01843
6K8179	11083	C0V-0413	75272
6N2985	11083	40698	01943
6N3826	11083	480321	72850
6N4184	11083	WJM17-0108	18265
6N5004	11083	408593	08179
6N7216	11083	W2420-025	08337
6N7672	11083	QA9-1TC	53203
6N7674	11083	QS5-2CT	53203
6N7983	11083	5967871	73331
6N9766	11083	ML-24A1	20308
6T1120	11083	1972716	16764
6T1121	11083	1979384	16764
6T3631	11083	15-966-6	15605
6T3632	11083	16-886	15605
6T3633	11083	29-761	15605
6T3701	11083	90-2563	24041
6V1899	11083	542255	80201
6V2318	11083	429282	61038
6V2686	11083	C0V-0313	75272
6V468	11083	2067-6-85	01276
7D2117	11083	277587	06853
7D4048	11083	246936	06853
7D4049	11083	282531	06853
7D4050	11083	283733	06853
7D5252	11083	VS-977	17875
7D6936	11083	227717	06853
7D7719	11083	282294	06840
7D9949	11083	284352	06840
7F3491	11083	1861791	16764
7F3525	11083	1913080	16764
7F7621	11083	190540-6	16764
7F9223	11083	C4014-20-00	77900
7J4425	11083	4GABB-4MB8-332.00	70434
7J482	11083	6ME-6FX	70434
7J664	11083	6GABB-6MB-95.00	70434
7JB080	11083	370072	80980
7J8814	11083	1064	99017
7K1423	11083	205FTW	70434
7K3469	11083	68-A1-523	76361
7K4201	11083	17-10015-13	94222
7K9680	11083	4040025	46904
7K9682	11083	4031744	54690

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR P/N	FSCM
7K9689	11083	13006	79550
7L2894	11083	1964857	16764
7M1674	11083	P10-0128	18265
7M336	11083	1948537	16764
7M9918	11083	130665	53591
7N1062	11083	20PS91-2	14859
7N129	11083	1892824	16764
7N140	11083	SK10-2275-1JG	30780
7N174	11083	1892960	16764
7N2059	11083	300 450	53203
7N3759	11083	408049-4	08179
7N4014	11083	N-7012-8	08863
7N4160	11083	23070	74400
7N5876	11083	1873	73331
7N718	11083	75900-06	29510
7N7435	11083	XRN-26-GL	08863
7N7436	11083	RN-26-ED	00863
7N7440	11083	102368-D	08863
7N7442	11083	102368-A	08863
7N7443	11083	XRN-26-FS	08863
7N7444	11083	X200917-B	08863
7N7447	11083	N21048-B	08863
7N7448	11083	102368-C	08863
7N7449	11083	600182-A	08863
7N7450	11083	N-12106-C	08863
7N7451	11083	102368	08863
7N7779	11083	031-1267-001	71468
7N7779	11083	031-1267-001	71468
7N7780	11083	030-2196-001	71468
7N8000	11083	8906K3081	15605
7N8204	11083	120-1806-000	71468
7N8205	11083	120-1809-000	71468
7N9478	11083	465426-5001	08179
7N9708	11083	N-295-HS	08863
7N9709	11083	400121-A	08863
7N9737	11083	120-1807-000	71468
7N9738	11083	120-1804-000	71468
7V2253	11083	10884	29944
7V9503	11083	3414	29944
8D297	11083	3502-18-06	78189
8D3214	11083	534701950	20076
8D4004	11083	2258-V-542	02397
8D6899	11083	3831	29944
8D7253	11083	85826	95993
8D8582	11083	6490618	70040
8F1326	11083	WA-79849	01843
8F1434	11083	1210-00	77900
8F230	11083	230906	06853
8F3437	11083	80101	13445
8F9837	11083	239636	06853
8F9838	11083	229496	06853
8H1141	11083	1934478	16764

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR P/N	FSCM
8H5303	11083	2484-26	13445
8K1684	11083	313306546563200	82813
8K6474	11083	283975	06853
8M2773	11083	T-1213-SL	30966
8N5495	11083	P13-8818	18265
8N818	11083	409033-12	08179
8N819	11083	408487-17	08179
8N9394	11083	K5CU0202MBX02MC-21.50	30327
8S1527	11083	P90-816	24041
8S1528	11083	SAT-53	88104
8S1535	11083	MFY-34S	88104
8S1546	11083	MES-2205	88104
8S1553	11083	MES-95	88104
8S2226	11083	NL-21A	24041
8S4680	11083	XA-744APS	88104
8S4684	11083	P90-989	24041
8S6154	11083	246152	06853
8S8023	11083	SAT-1004-E	24041
8S8024	11083	SAT-32	88104
8S8075	11083	P90-809	88104
99258	11083	X18407	02978
9B3523	11083	C3109 X 12 X 4	79470
9B453	11083	1224-00-00	77900
9B7233	11083	1208-00	77900
9D1289	11083	249534	06840
9D1897	11083	7500050R0	28827
9D2632	11083	1316701	91024
9D2868	11083	85-011-403	73445
9D3127	11083	85-5710-01-403	73445
9D4049	11083	D020029-01	04937
9D4339	11083	56-4532-2413	80523
9D4510	11083	SH721202A	01843
9D5844	11083	246C10-PM8-PM839	54690
9D8848	11083	55-A-F-C-RH	27182
9D9152	11083	7500050R04	28882
9D9153	11083	95145	28882
9D9735	11083	1561702	91024
9D9737	11083	1569000	91024
9D9738	11083	1563300	91024
9D9739	11083	FF-310-3	00114
9D9746	11083	1556600	91024
9D9747	11083	8037002	91024
9D9753	11083	1556100	91024
9F5255	11083	212668	88917
9F5644	11083	1220-00	77900
9G2795	11083	90060	13445
9G3672	11083	120-1841-000	71468
9G3678	11083	120-1839-000	71468
9G3695	11083	225-0093-000	08718
9G398	11083	887-0238	18791
9G3992	11083	90061	13445

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR P/N	FSCM
9G4100	11083	1894636	16764
9G5584	11083	MES-65010	24041
9G5588	11083	MFJ-35	95688
9G5854	11083	PS-1459AS	88104
9G6770	11083	1977264	16769
9G7548	11083	1120200023	01843
9G7549	11083	1120220007	01843
9G7551	11083	1129900009	01843
9G7552	11083	1900910024	01843
9G7553	11083	1120222001	01843
9G7554	11083	1127011075	01843
9G7556	11083	1297011002	01843
9G7557	11083	1123414004	01843
9G7559	11083	1127011076	01843
9G7560	11083	1124035017	01843
9G7562	11083	1125500024	01843
9G7564	11083	1126610061	01843
9G7565	11083	1127011074	01843
9G7565	11083	1127011077	01843
9G7566	11083	1125825021	01843
9G7567	11083	1197011000	01843
9G7568	11083	1125885031	01843
9G8183	11083	3308-233	18791
9G9314	11083	3-520133-2	00779
9G9316	11083	19020-23-M024WC	01843
9G9538	11083	0122469022	01843
9G9882	11083	CDA-10	14859
9H3757	11083	1922457	16764
9J5099	11083	413438	80980
9J7852	11083	4-174-1	96047
9K7021	11083	86238-14NS	60703
9K7022	11083	GA721006	08143
9K7951	11083	8971-H	17875
9L2919	11083	1781-1	66295
9M3914	11083	7SBB12	80657
9M7606	11083	1948522	16764
9M7609	11083	1948521	16764
9M7611	11083	5100-37-MD	79136
9M7657	11083	1948656	16764
9M7958	11083	20H	66295
9M8513	11083	P10-2929	18265
9M8662	11083	221204	06853
9M8911	11083	404470	08179
9M8915	11083	400408	08179
9M8919	11083	403818	08179
9N2035	11083	408495-10	08179
9N2036	11083	408597	08179
9N2041	11083	408906	08179
9N2046	11083	408678-1	08179
9N3367	11083	C3302874-01	33457
9N3666	11083	V405P-6-6	30780
9N943	11083	1876813	16764

CATERPILLAR 621B TRACTOR

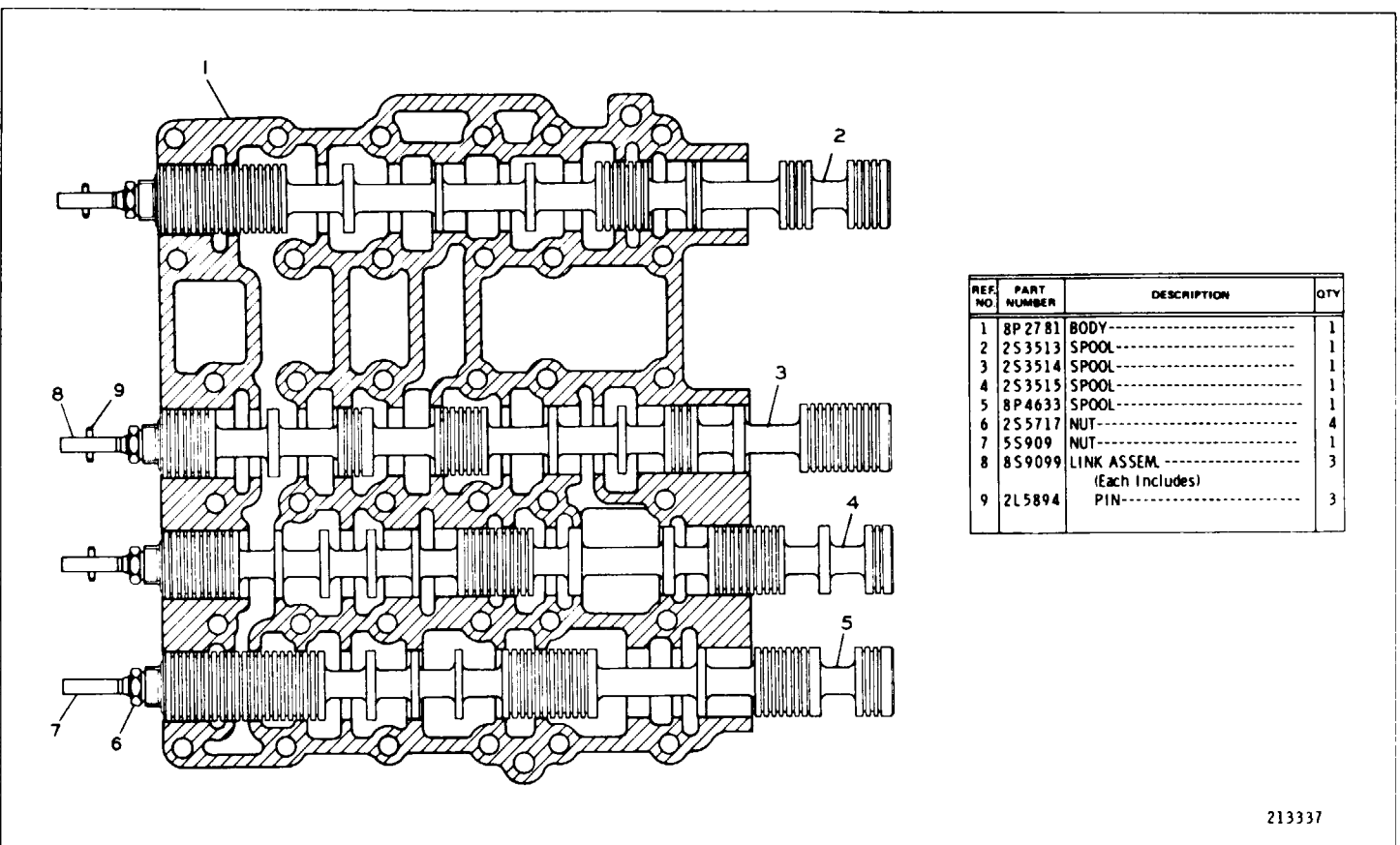
CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR /IN	FSCM
9S174	11083	CDLM60I	14859
9S2004	11083	1971465	16764
9S2005	11083	1968900	16764
9S2006	11083	1968901	16764
9S2007	11083	1968945	16764
9S2008	11083	1968994	16764
9S2009	11083	1968991	16764
9S2011	11083	9427129	16764
9S2012	11083	1971674	16764
9S2013	11083	1971673	16764
9S2014	11083	1969971	16764
9S2246	11083	1968988	16764
9S2247	11083	1847933	16764
9S2248	11083	1969133	16764
9S2250	11083	1968996	16764
9S2252	11083	1968891	16764
9S2254	11083	1968890	16764
9S2255	11083	1969000	16764
9S2256	11083	1968884	16764
9S2258	11083	1969481	16764
9S2260	11083	1969001	16764
9S2261	11083	1968885	16764
9S2262	11083	1970395	16764
9S2290	11083	1971675	16764
9S2291	11083	1971672	16764
9S2292	11083	1971670	16764
9S2300	11083	1959389	16764
9S2301	11083	1968930	16764
9S2302	11083	1968904	16764
9S2389	11083	1969002	16764
9S2390	11083	1970407	16764
9S2396	11083	1968990	16764
9S2438	11083	1969493	16764
9S2542	11083	1968998	16764
9S8001	11083	2HP5NS	50948
9S8002	11083	4HP5NS	50948
9S8003	11083	5HP5N	50948
9S8004	11083	6HP5N	50948
9S8005	11083	7231 X8Y	93061
9S8006	11083	10HP5N	50948
9S8008	11083	12HP5N	25841
9S8688	11083	90-2225	88104
9S9334	11083	16HP5N	18925
9S9829	11083	1961570	16764
T537	11083	P18485	18265

POWER TRAIN-POWER TRANSMISSION UNIT 113

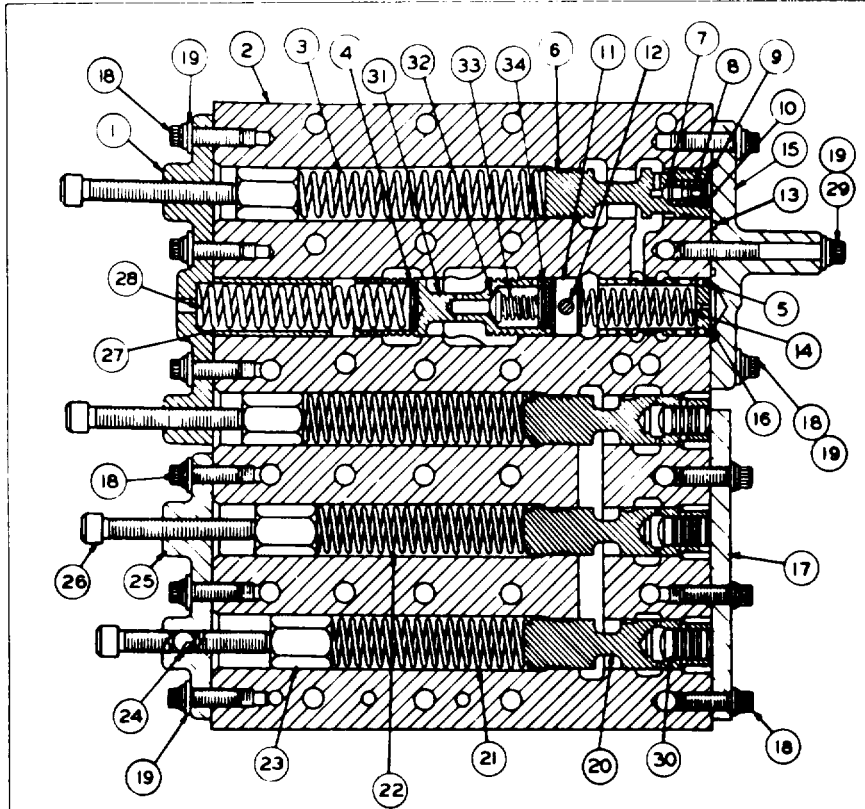
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8P 27 81	BODY-----	1
2	2S 3513	SPOOL-----	1
3	2S 3514	SPOOL-----	1
4	2S 3515	SPOOL-----	1
5	8P 4633	SPOOL-----	1
6	2S 5717	NUT-----	4
7	5S 909	NUT-----	1
8	8S 9099	LINK ASSEM.----- (Each Includes)	3
9	2L 5894	PIN-----	3

213337



8P4221 SELECTOR VALVE GROUP

Part of 3P2975 Automatic Pressure Control & Selector Valve group shown on Page 111



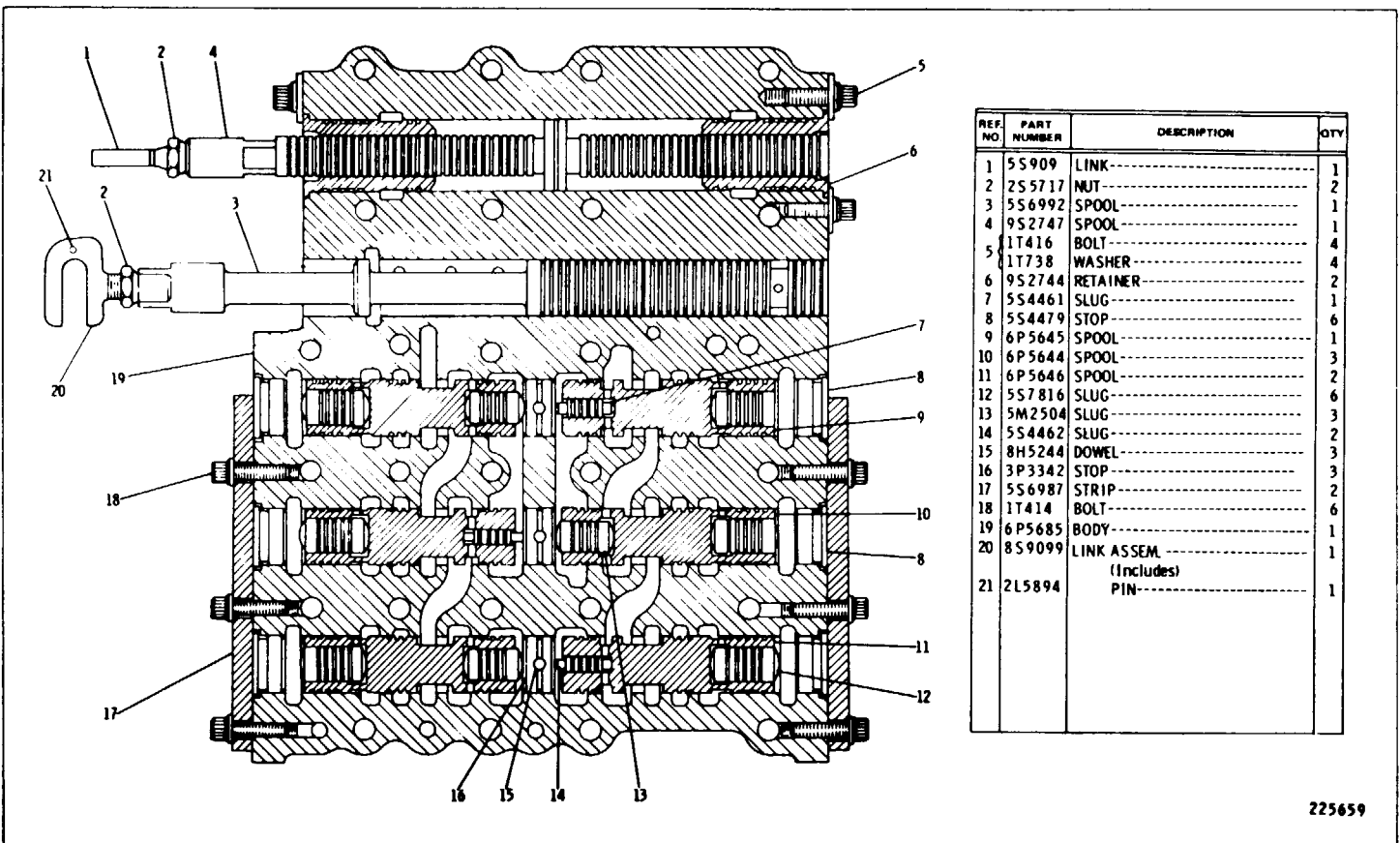
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6P3522	COVER	1
2	3P6254	BODY	1
3	8P5159	SPRING	1
4	7M1397	SPACER	3
5	8M4389	SEAL	1
6	5S6994	SPOOL ASSEM. (Includes)	1
7	1S2121	PLUNGER	1
8	4M2381	SPRING	1
9	1S1636	RETAINER	1
10	1S1638	RING	1
11	2S4872	STOP	1
12	3H702	DOWEL	1
13	3D2992	SEAL	2
14	1S7501	SPRING	1
15	7S4522	COVER	1
16	9S2800	PISTON	1
17	5S6987	STRIP	1
18	1T414	BOLT	11
19	9M1974	WASHER	9
20	9P6448	SPOOL	3
21	8P9585	SPRING	2
22	5S7008	SPRING	1
23	5S7908	SPACER	4
24	7M3801	SPRING	4
24	7M3802	PLUG	4
24	7M3799	SPACER	4
25	5S7782	COVER	1
26	5S7003	BOLT	4
27	5S6983	STOP	1
28	8M6402	SPRING	1
29	3S4346	BOLT	1
30	5M2504	SLUG	3
30	8S9127	VALVE ASSEM. (Includes)	1
31	4S5982	VALVE	1
32	8M1078	VALVE	1
33	5M9548	SPRING	1
33	8M2537	RETAINER	1
34	1L3162	RING	1
	GMG00109	FORM (Installation Instructions for Control Group)	1

225658

3P2973 SHIFT PRESSURE VALVE GROUP
Part of 7G2774 Automatic Shifting Valve Group shown on Page 111

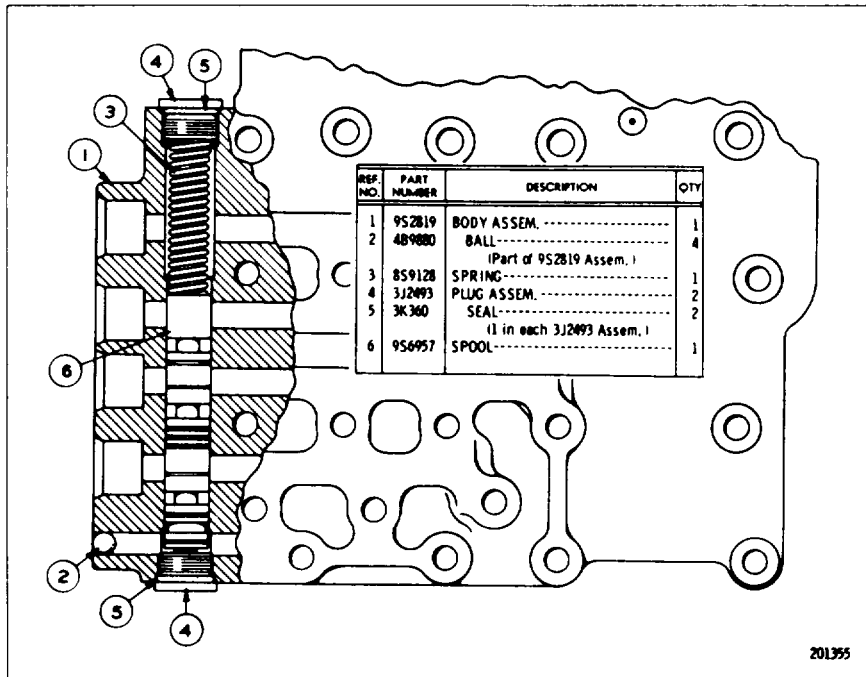
REF. NO	PART NUMBER	DESCRIPTION	QTY
1	5S909	LINK-----	1
2	2S5717	NUT-----	2
3	5S6992	SPOOL-----	1
4	9S2747	SPOOL-----	1
5	1T416	BOLT-----	4
5	1T738	WASHER-----	4
6	9S2744	RETAINER-----	2
7	5S4461	SLUG-----	1
8	5S4479	STOP-----	6
9	6P5645	SPOOL-----	1
10	6P5644	SPOOL-----	3
11	6P5646	SPOOL-----	2
12	5S7816	SLUG-----	6
13	5M2504	SLUG-----	3
14	5S4462	SLUG-----	2
15	8H5244	DOWEL-----	3
16	3P3342	STOP-----	3
17	5S6987	STRIP-----	2
18	1T414	BOLT-----	6
19	6P5685	BODY-----	1
20	8S9099	LINK ASSEM. (Includes)	1
21	2L5894	PIN-----	1

225659



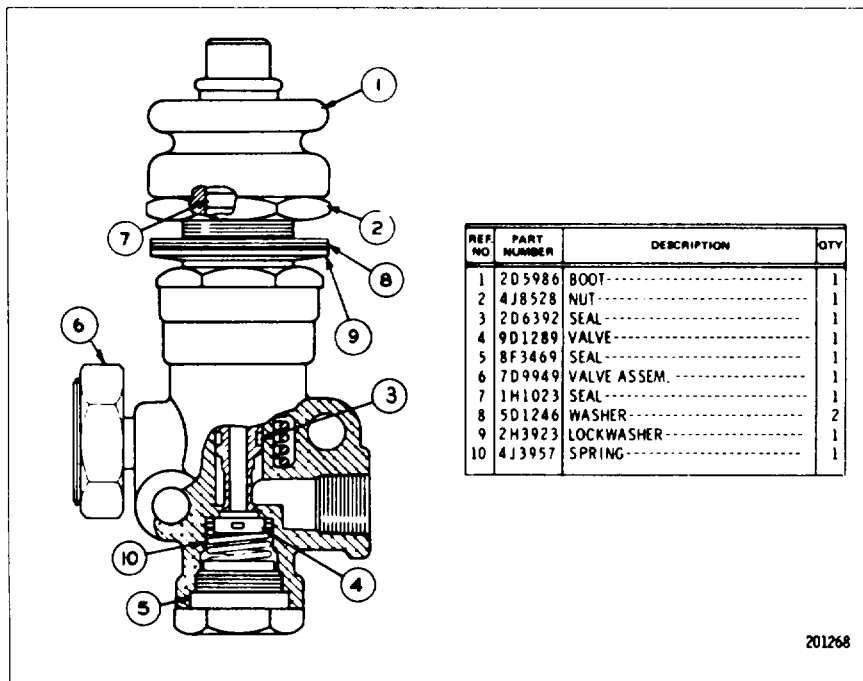
3P6661 AUTOMATIC SELECTOR VALVE GROUP
Part of 7G2774 Automatic Shifting Valve Group shown on Page 111

CATERPILLAR 621B TRACTOR



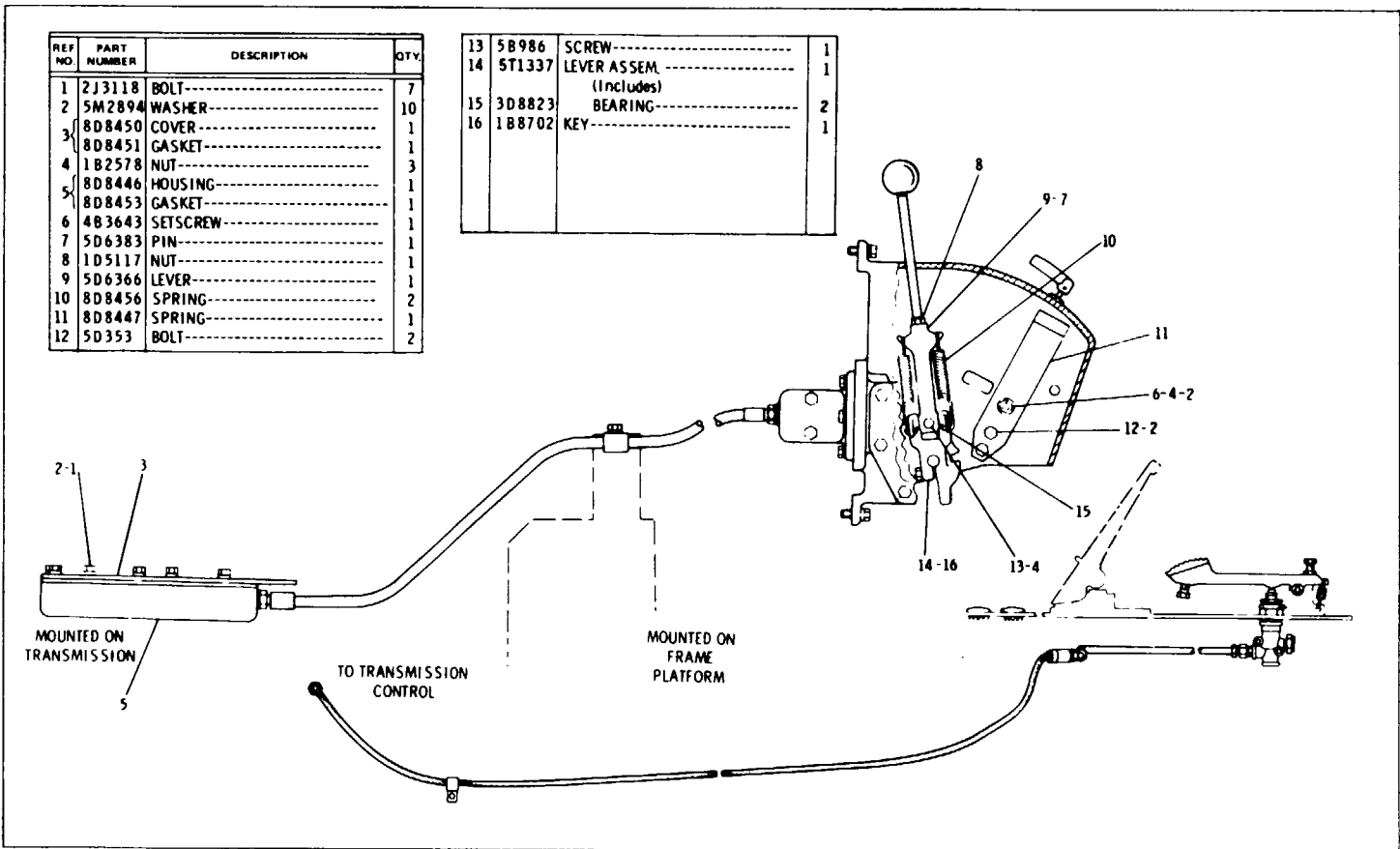
9S2818 GOVERNOR CUT-OFF VALVE GROUP

Part of 7G2774 Automatic Shifting Valve Group shown on Page 111



60856 VALVE ASSEMBLY

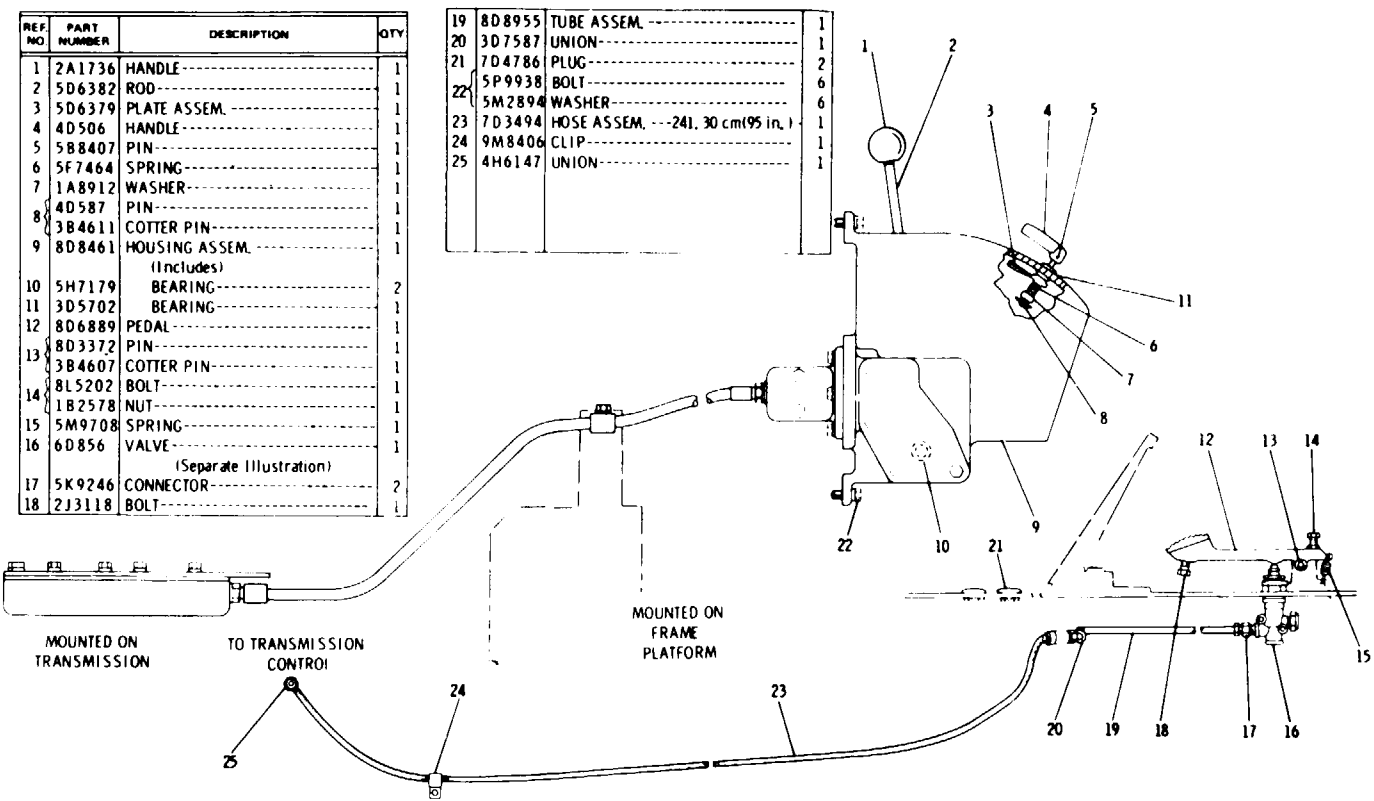
Part of 8D8110 Transmission Control and 8D8010 Differential Lock Control shown on Pages 118 and 140



REF NO.	PART NUMBER	DESCRIPTION	QTY.
1	2J3118	BOLT-----	7
2	5M2894	WASHER-----	10
3	8D8450	COVER-----	1
	8D8451	GASKET-----	1
4	1B2578	NUT-----	3
	8D8446	HOUSING-----	1
5	8D8453	GASKET-----	1
	4B3643	SETSCREW-----	1
7	5D6383	PIN-----	1
8	1D5117	NUT-----	1
9	5D6366	LEVER-----	1
10	8D8456	SPRING-----	2
11	8D8447	SPRING-----	1
12	5D353	BOLT-----	2

13	5B986	SCREW-----	1
14	5T1337	LEVER ASSEM. -----	1
		(Includes)	
15	3D8823	BEARING-----	2
16	1B8702	KEY-----	1

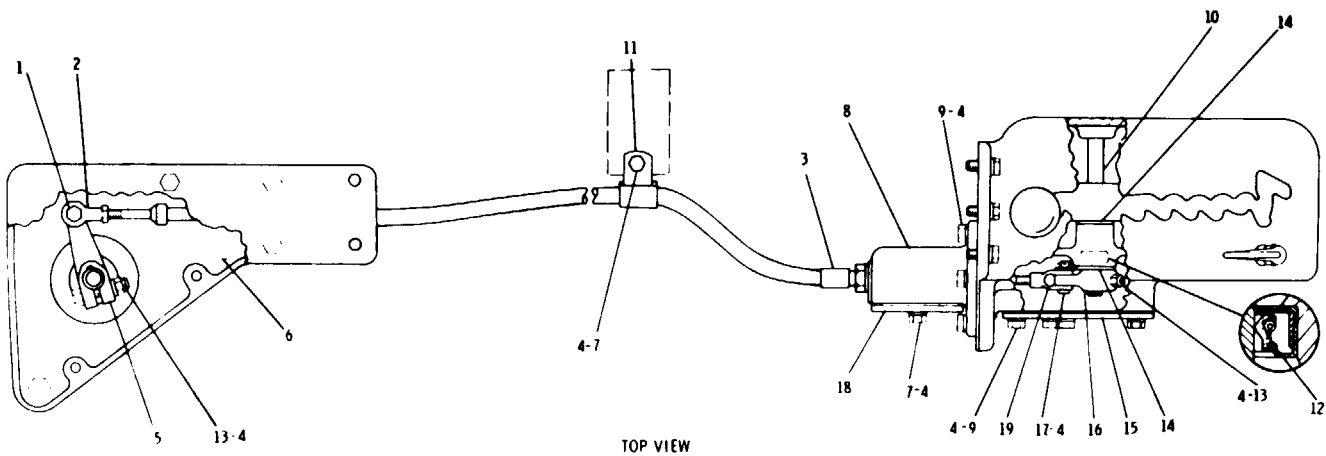
8D8110 TRANSMISSION CONTROL GROUP - Part 1 of 3



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	2A1736	HANDLE	1
2	5D6382	ROD	1
3	5D6379	PLATE ASSEM.	1
4	4D506	HANDLE	1
5	5B8407	PIN	1
6	5F7464	SPRING	1
7	1A8912	WASHER	1
8	4D587	PIN	1
9	3B4611	COTTER PIN	1
9	8D8461	HOUSING ASSEM. (Includes)	1
10	5H7179	BEARING	2
11	3D5702	BEARING	1
12	8D6889	PEDAL	1
13	8D3372	PIN	1
13	3B4607	COTTER PIN	1
14	8L5202	BOLT	1
14	1B2578	NUT	1
15	5M9708	SPRING	1
16	6D856	VALVE (Separate Illustration)	1
17	5K9246	CONNECTOR	2
18	2J3118	BOLT	1

19	8D8955	TUBE ASSEM.	1
20	3D7587	UNION	1
21	7D4786	PLUG	2
22	5P9938	BOLT	6
22	5M2894	WASHER	6
23	7D3494	HOSE ASSEM. ---241.30 cm(95 in.)	1
24	9M8406	CLIP	1
25	4H6147	UNION	1

8D8110 TRANSMISSION CONTROL GROUP - Part 1 of 3
 6D856 Valve parts are shown on Page 116



8D8110 TRANSMISSION CONTROL GROUP - Part 3 of 3

119

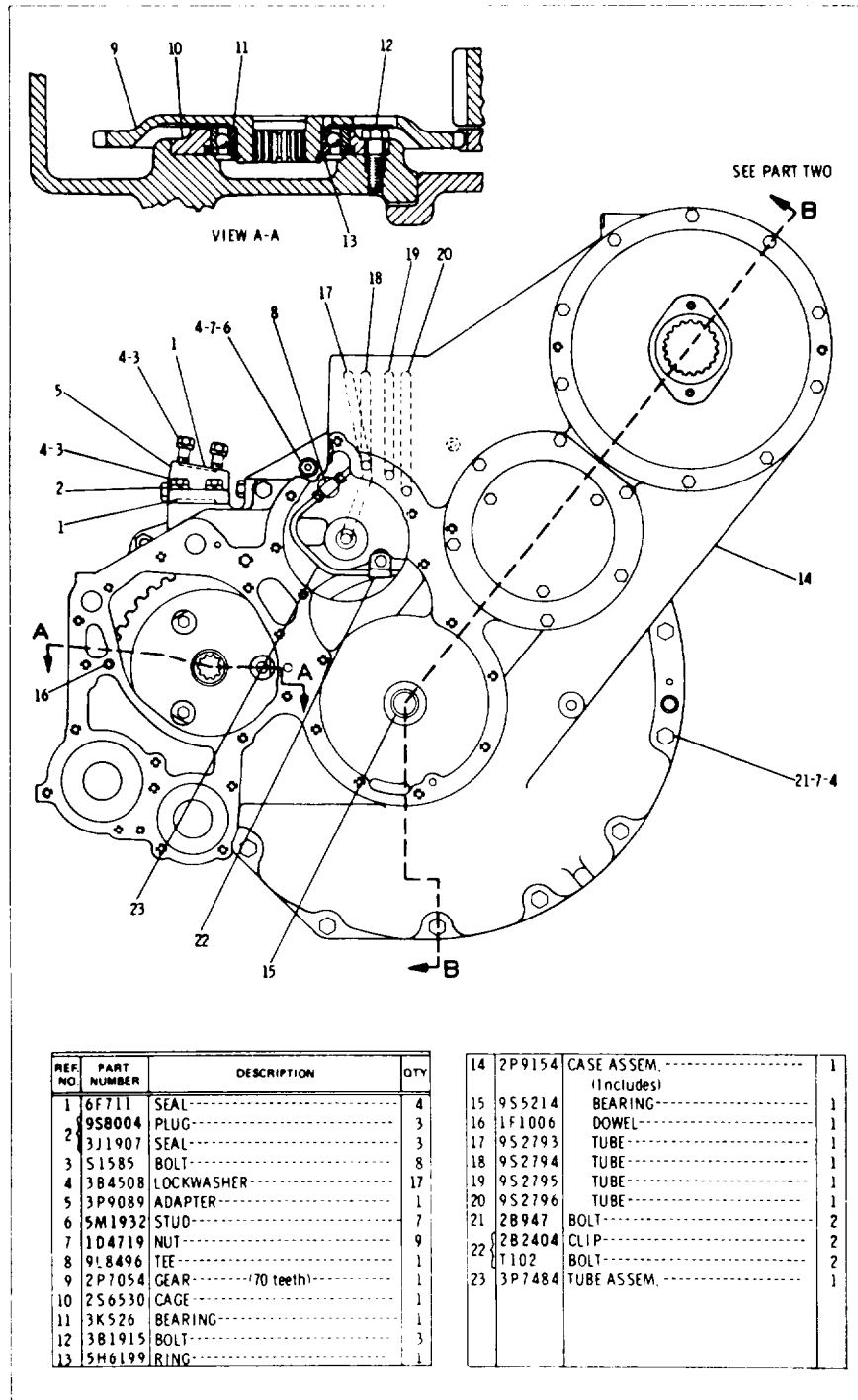
REF NO	PART NUMBER	DESCRIPTION	QTY
1	4B3388	BOLT-----	1
2	3B4505	LOCKWASHER-----	1
3	7H3641	ROD END-----	1
4	9D4339	CABLE-----	1
5	5M2894	WASHER-----	15
6	8D8449	LEVER-----	1
7	1B8706	KEY-----	1
8	308538	BOLT-----	3
9	5P8245	WASHER-----	3
10	5D353	BOLT-----	3

8	8D7828	HOUSING-----	1
9	8D8459	GASKET-----	1
10	2J3118	BOLT-----	9
11	8D8460	SHAFT-----	1
12	6D3479	CLIP-----	1
13	5H1190	SEAL-----	1
14	310219	BOLT-----	2
15	1D4717	NUT-----	2
16	4B4281	WASHER-----	2
17	8D8455	COVER-----	1
18	8D8454	GASKET-----	1

16	4J2684	LEVER-----	1
17	1B8702	KEY-----	1
18	3K8280	PIN-----	1
19	3B4617	COTTER PIN-----	1
	8D8458	COVER-----	1
	8D8457	GASKET-----	1
	4J2701	ROD END-----	1

174500

CATERPILLAR 621B TRACTOR

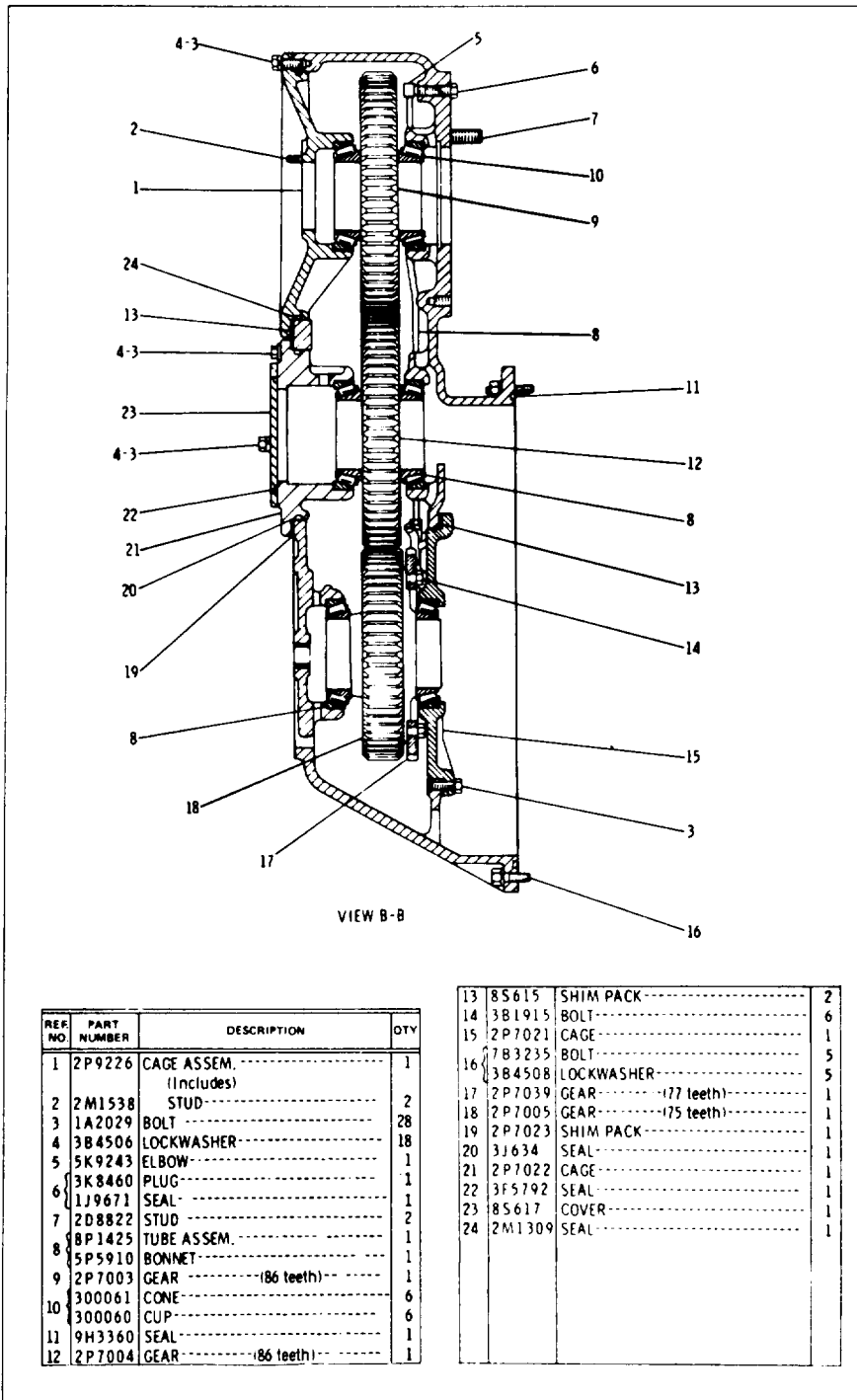


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	6F711	SEAL	4
2	9S8004	PLUG	3
3	3J1907	SEAL	3
3	S1585	BOLT	8
4	3B4508	LOCKWASHER	1
5	3P9089	ADAPTER	1
6	5M1932	STUD	7
7	1D4719	NUT	9
8	9L8496	TEE	1
9	2P7054	GEAR (70 teeth)	1
10	2S6530	CAGE	1
11	3K526	BEARING	1
12	3B1915	BOLT	3
13	5H6199	RING	1

14	2P9154	CASE ASSEM. (Includes)	1
15	9S5214	BEARING	1
16	1F1006	DOWEL	1
17	9S2793	TUBE	1
18	9S2794	TUBE	1
19	9S2795	TUBE	1
20	9S2796	TUBE	1
21	2B947	BOLT	2
22	2B2404	CLIP	2
22	T102	BOLT	2
23	3P7484	TUBE ASSEM.	1

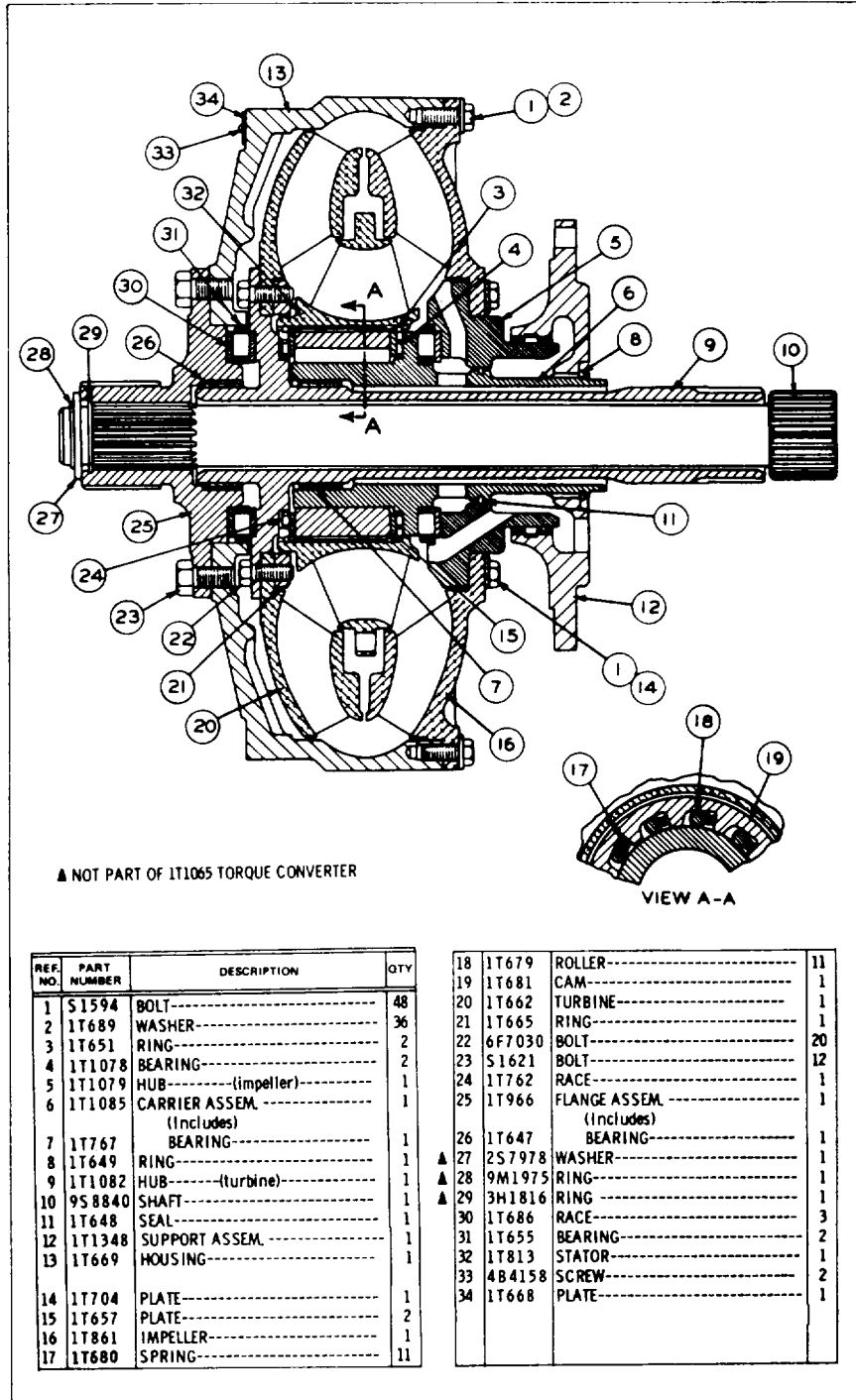
2P9240 TRANSFER GEAR GROUP-Part 1
 Part of 7G2780 Transmission Arrangement shown on Page 102

POWER TRAIN-POWER TRANSMISSION UNIT 121



2P9240 TRANSFER GEAR GROUP-Part 2
Part of 7G2780 Transmission Arrangement shown on Page 102

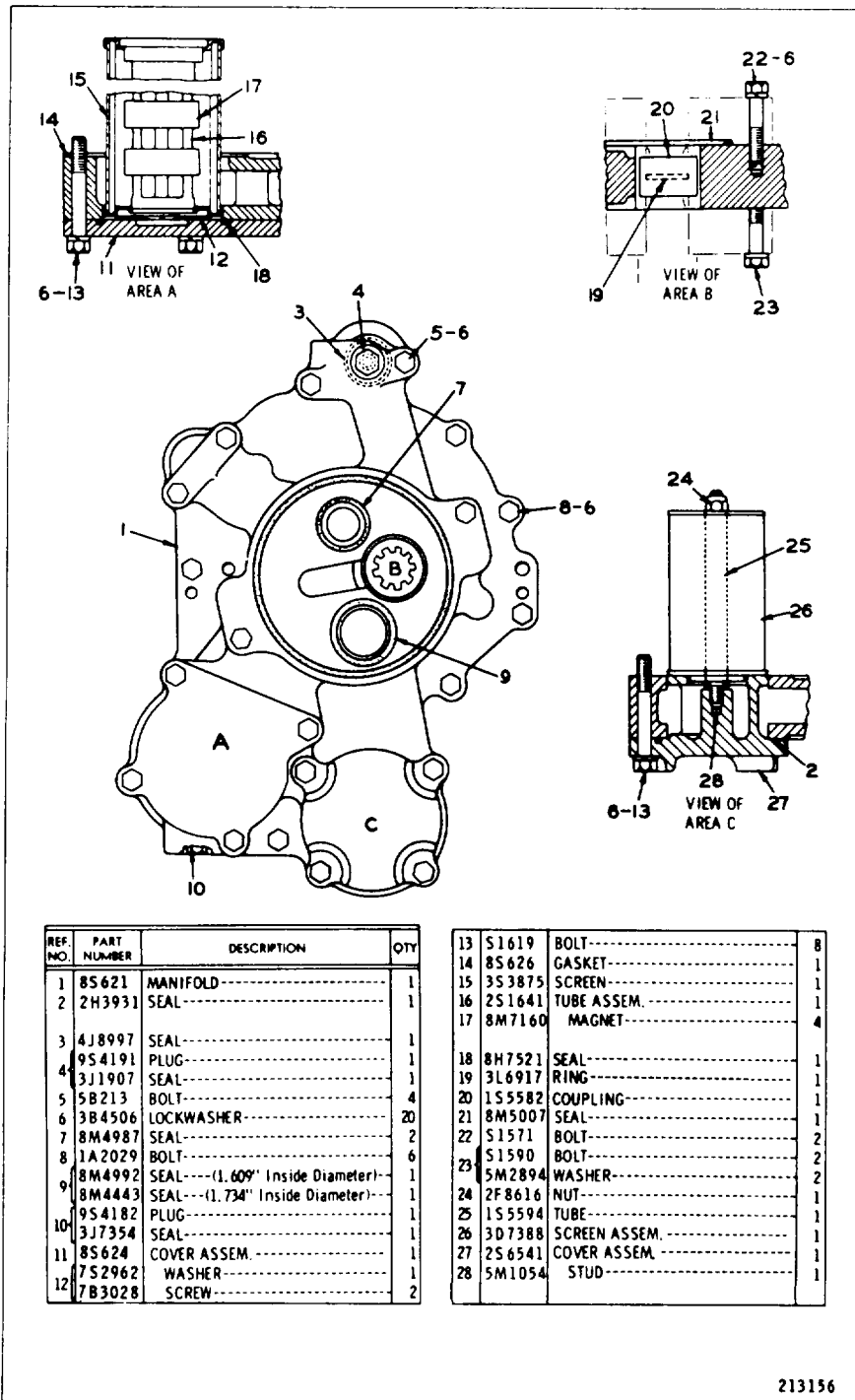
CATERPILLAR 621B TRACTOR



3P1630 TORQUE CONVERTER GROUP

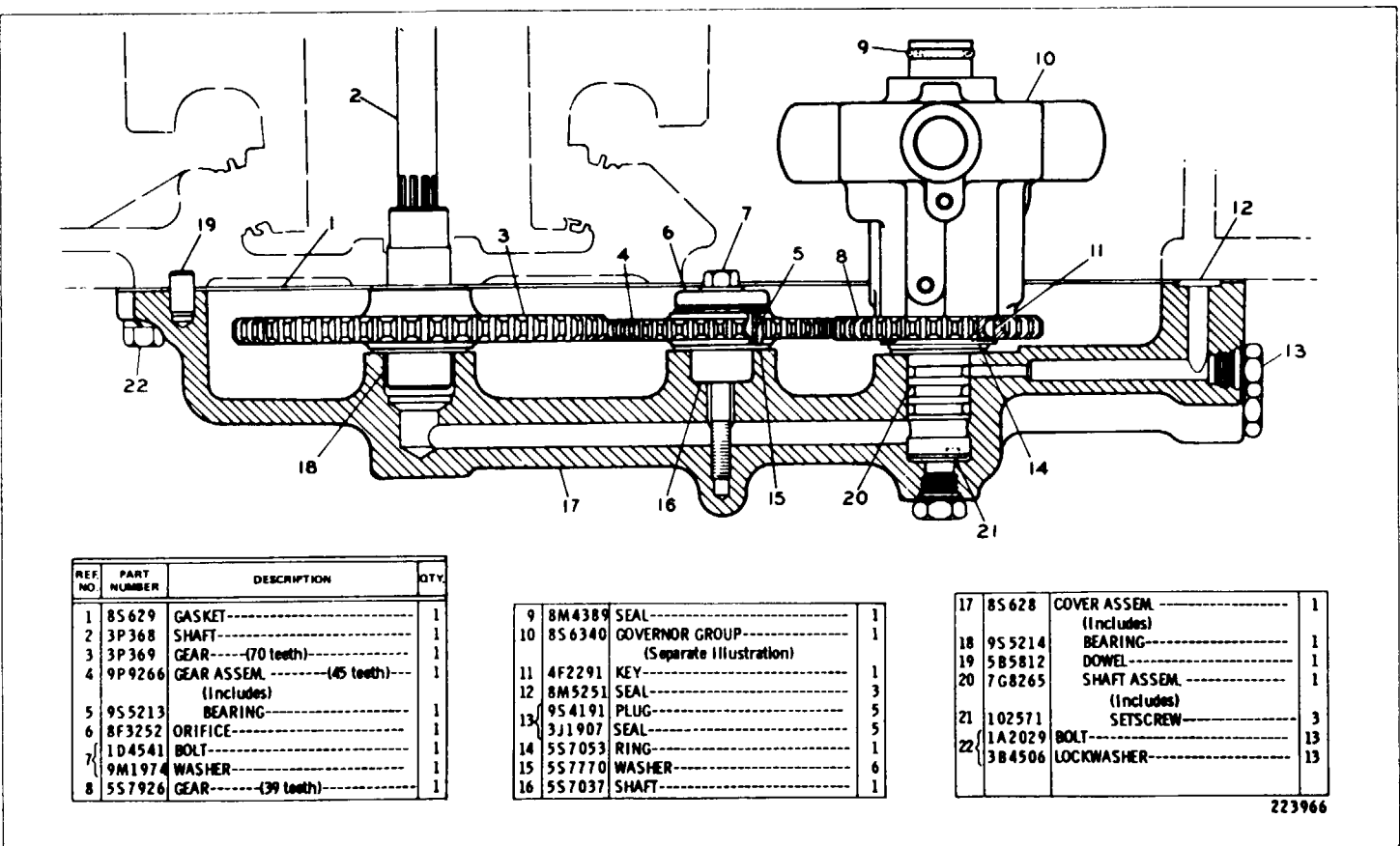
Part of 7G2780 Transmission Arrangement shown on Page 102

POWER TRAIN-POWER TRANSMISSION UNIT



213156

8S660 MANIFOLD AND SCREEN GROUP
 Part of 7G2780 Transmission Arrangement shown on Page 102



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	8S629	GASKET-----	1
2	3P368	SHAFT-----	1
3	3P369	GEAR----(70 teeth)-----	1
4	9P9266	GEAR ASSEM. ----(45 teeth)-----	1
		(Includes)	
5	9S5213	BEARING-----	1
6	8F3252	ORIFICE-----	1
7	1D4541	BOLT-----	1
	9M1974	WASHER-----	1
8	5S7926	GEAR----(39 teeth)-----	1

9	8M4389	SEAL-----	1
10	8S6340	GOVERNOR GROUP-----	1
		(Separate Illustration)	
11	4F2291	KEY-----	1
12	8M5251	SEAL-----	3
13	9S4191	PLUG-----	5
	3J1907	SEAL-----	5
14	5S7053	RING-----	1
15	5S7770	WASHER-----	6
16	5S7037	SHAFT-----	1

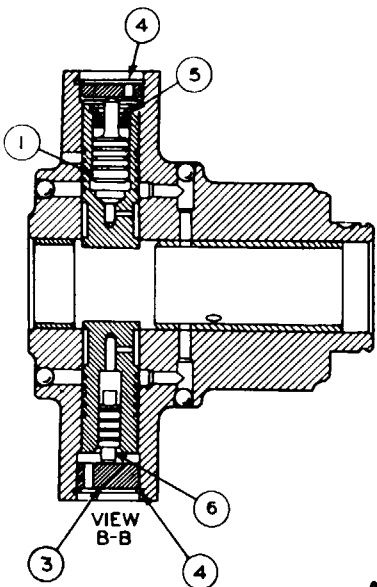
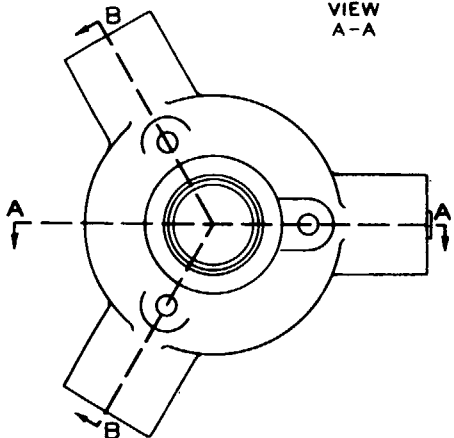
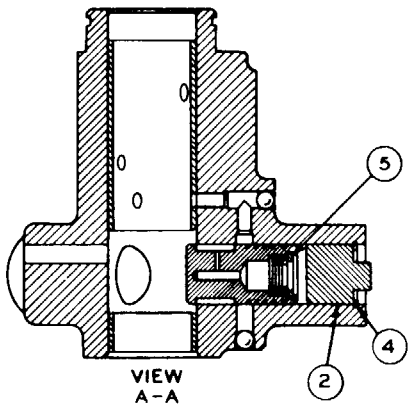
17	8S628	COVER ASSEM. -----	1
		(Includes)	
18	9S5214	BEARING-----	1
19	5B5812	DOWEL-----	1
20	7G8265	SHAFT ASSEM. -----	1
		(Includes)	
21	102571	SETSCREW-----	3
22	1A2029	BOLT-----	13
	3B4506	LOCKWASHER-----	13

223966

3P367 GOVERNOR AND DRIVE GROUP
 Part of 7G27880 Transmission Arrangement shown on Page 102
 8S6340 Governor parts are shown on Page 125

POWER TRAIN-POWER TRANSMISSION UNIT 125

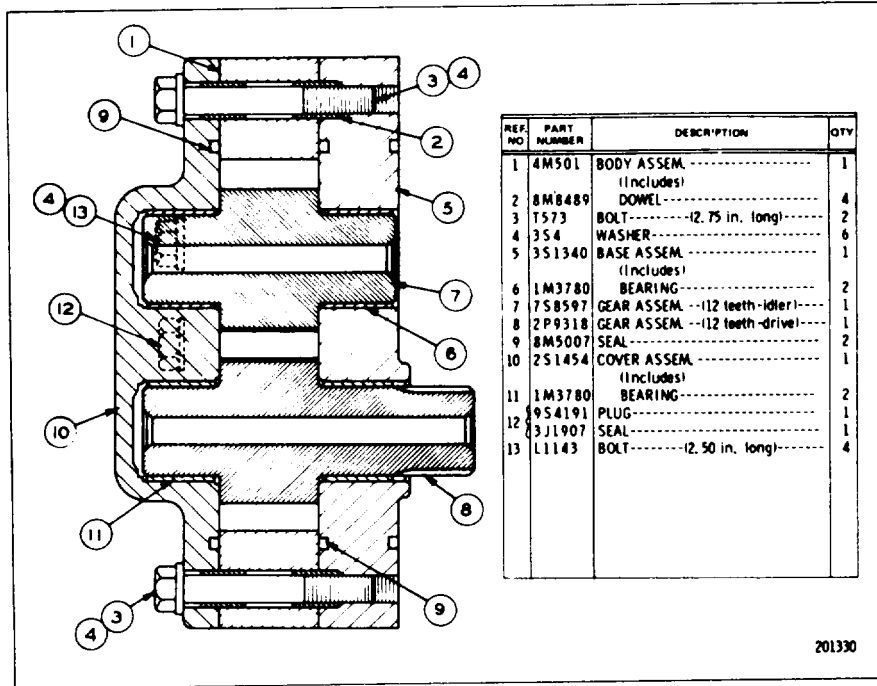
REF NO.	PART NUMBER	DESCRIPTION	QTY.
1	5S7787	SLUG----(short)----	1
	5S7788	STOP-----	1
		- OR -	
	7G2946	SLUG-----(long)----	1
	7G2945	STOP-----	1
2	5S7771	STOP-----	1
3	5S4445	STOP-----	1
4	5S4455	RING-----	3
5	2R1256	RING-----	2
6	5S4461	SLUG-----	1



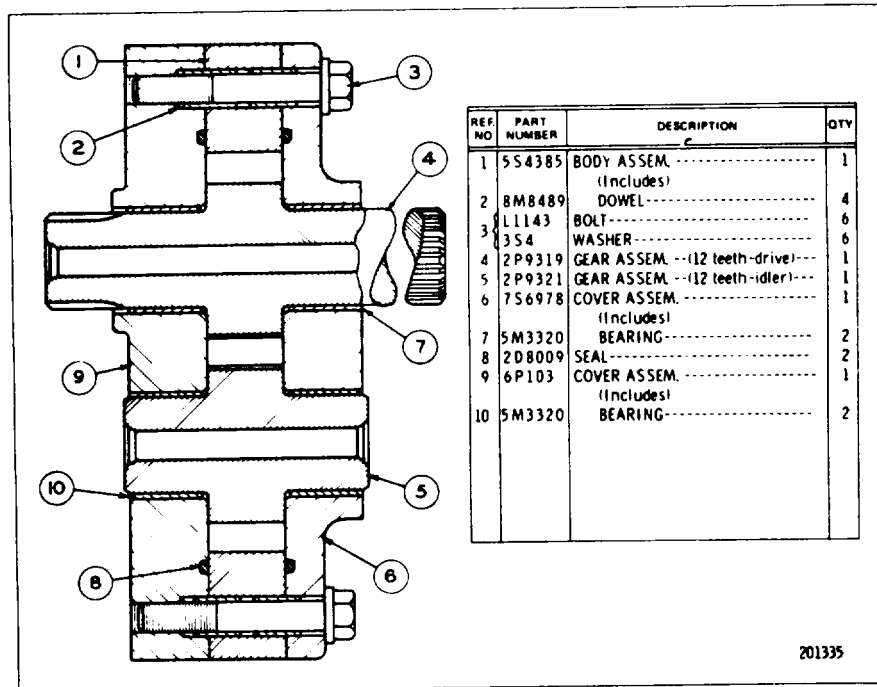
228448

8S6340 GOVERNOR GROUP
Part of 3P367 Governor and Drive Group shown on Page 124

CATERPILLAR 621B TRACTOR

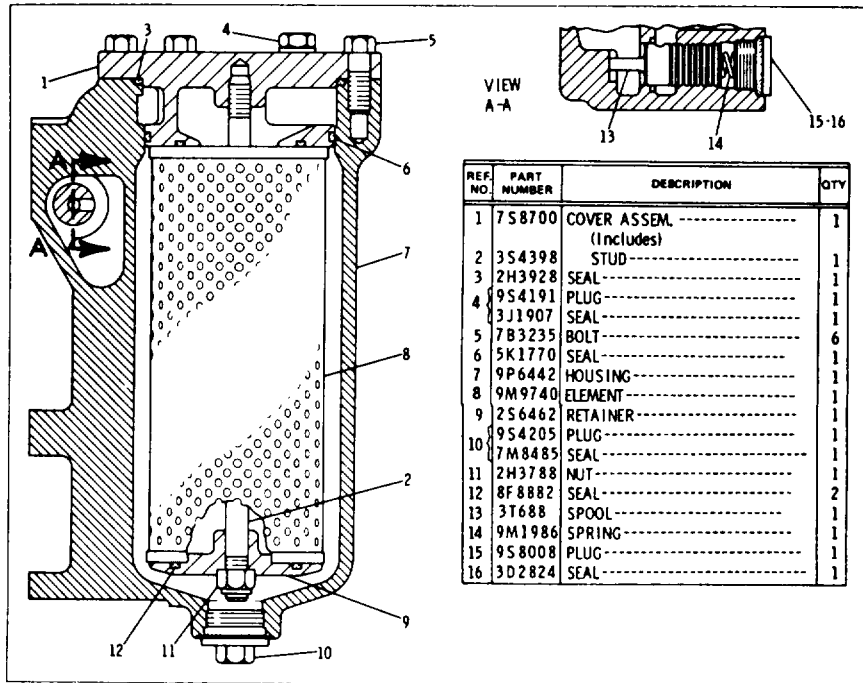


3P203 SCAVENGE PUMP GROUP
Part of 7G2780 Transmission Arrangement shown on Page 102



3P204 TRANSMISSION PRESSURE PUMP GROUP
Part of 7G2780 Transmission Arrangement shown on Page 102

POWER TRAIN-POWER TRANSMISSION UNIT 127



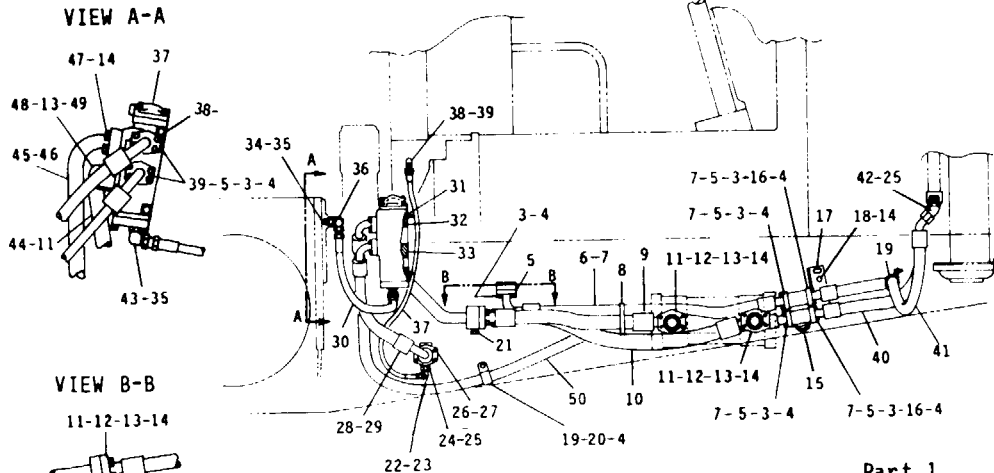
9P6447 TRANSMISSION FILTER GROUP

Part of 7G2780 Transmission Arrangement shown on Page 102

5R6694 POWER TRAIN OIL LINES GROUP - Part 1 of 2

128

REF NO.	PART NUMBER	DESCRIPTION	QTY
1		NOT USED	
2		NOT USED	
3	3B1915	BOLT-----	24
4	5M2894	WASHER-----	29
5	1P4577	FLANGE-----	14
6	9D5374	HOSE AS.-----	1
7	4J0520	SEAL-----	5
8	7K2828	CLIP-----	1
9	8D8429	HOSE AS.-----	1
10	8D8430	HOSE AS.-----	1
11	8M5661	SEAL-----	5
12	1P4579	FLANGE-----	8
13	0S1585	BOLT-----	17
14	5P8245	WASHER-----	22
15	3P0777	VALVE GP-----	1
16	0S1591	BOLT-----	4
17	9K7534	BRACKET-----	1
18	308538	BOLT-----	2
19	7D7233	CLIP-----	2
20	5K9107	BOLT-----	1
21	3J5389	PLUG-----	1
22	5P2645	ELBOW-----	1
23	3J7354	SEAL-----	1
24	8D8428	ADAPTER-----	1
25	7M8485	SEAL-----	3
26	0T0722	BOLT-----	4
27	5P8244	WASHER-----	7
28	8D9035	HOSE AS.-----	1
29	4J0522	SEAL-----	1
30	9D5379	HOSE AS.-----	1

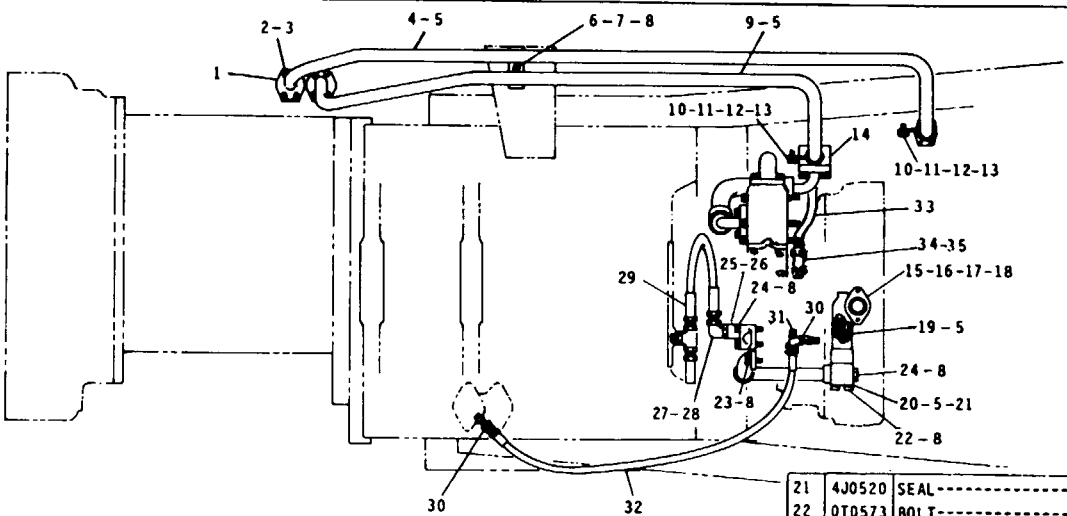


31	8M8281	SEAL-----	1
32	9M7539	SEAL-----	1
33	8M5010	SEAL-----	1
34	2P1297	TEE-----	1
35	3D2824	SEAL-----	2
36	3R9704	ELBOW-----	1
37	8P7703	VALVE GP-----	1
38	5B5059	BOLT-----	3
39	8M4987	SEAL-----	2
40	9D5377	HOSE AS.-----	1

41	9D5378	HOSE AS.-----	1
42	307945	ELBOW-----	2
43	307950	ELBOW-----	1
44	269938	TUBE AS.-----	1
45	9D4906	TUBE AS.-----	1
46	1P3705	SEAL-----	1
47	1A1460	BOLT-----	4
48	1A5822	BOLT-----	1
49	5P7213	WASHER-----	2
50	8D9036	HOSE AS.-----	1

CATERPILLAR 621B TRACTOR

POWER TRAIN-POWER TRANSMISSION UNIT



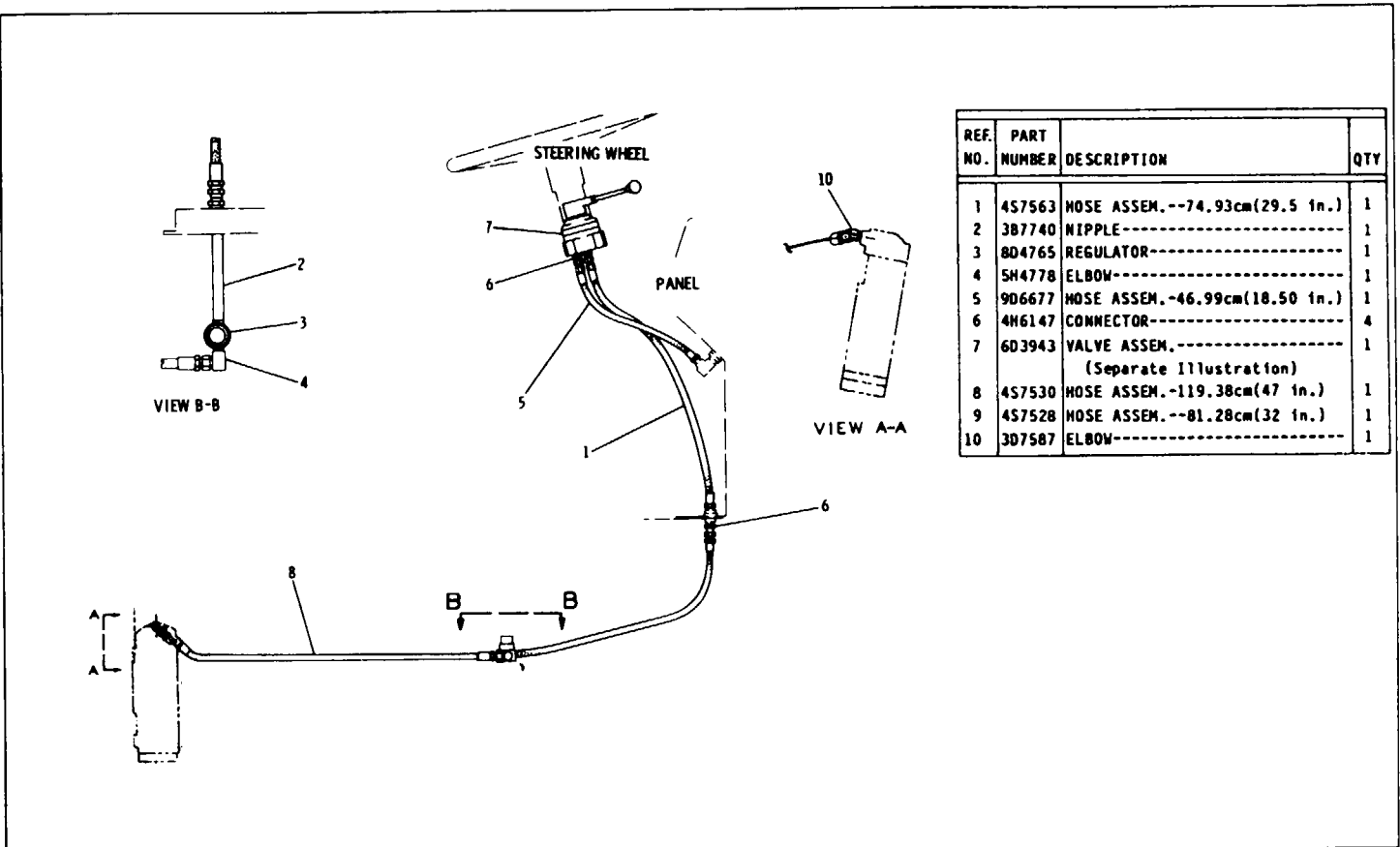
REF NO.	PART NUMBER	DESCRIPTION	QTY
1	1P5761	FLANGE-----	4
2	0T0768	BOLT-----	8
3	5P8244	WASHER-----	8
4	9D4892	TUBE AS.-----	1
5	1P3704	SEAL-----	4
6	2K3019	CLAMP-----	1
7	5K9107	BOLT-----	1
8	5M2894	WASHER-----	11

9	9D4894	TUBE AS.-----	1
10	6K4934	CLIP-----	2
11	6K4935	BRACKET-----	2
12	5P8245	WASHER-----	2
13	308538	BOLT-----	2
14	1P4578	FLANGE-----	2
15	9D9003	ELBOW-----	1
16	4J0521	SEAL-----	1
17	3H4190	PLUG-----	1
18	585947	GASKET-----	1
19	5D6149	SCREEN AS.-----	1
20	9D4899	TUBE AS.-----	1

21	4J0520	SEAL-----	1
22	0T0573	BOLT-----	4
23	0S1594	BOLT-----	2
24	0S1590	BOLT-----	4
25	6G1121	ELBOW-----	1
26	302992	SEAL-----	1
27	307950	ELBOW-----	1
28	302824	SEAL-----	1
29	6G1299	HOSE AS.-----	1
30	7D5363	CONNECTOR-----	2
31	530700	TEE-----	1
32	9D9865	HOSE AS.-----	1
33	9D5976	HOSE AS.-----	1
34	3J1907	SEAL-----	1
35	0D7947	ELBOW-----	1

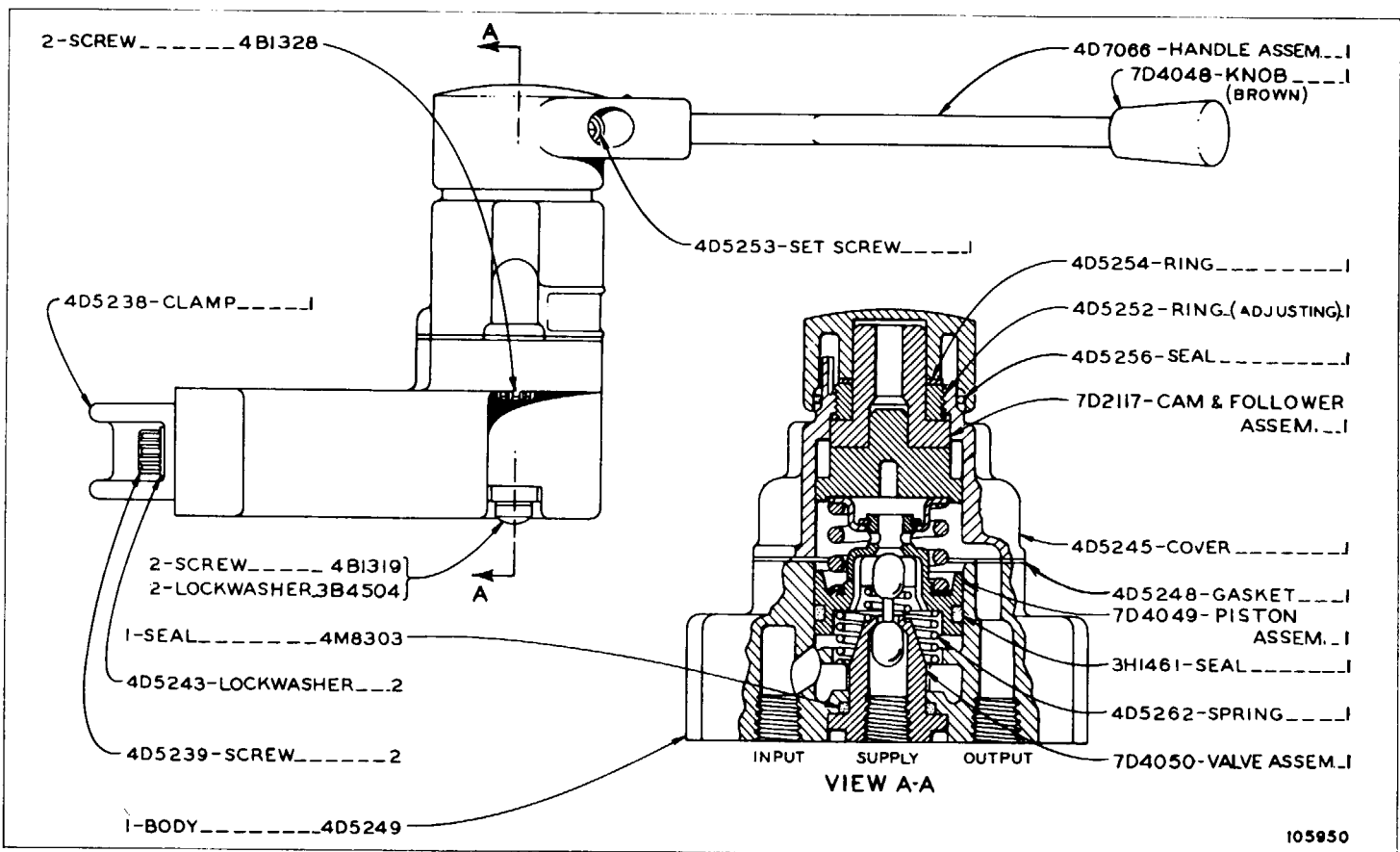
5R6694 POWER TRAIN OI LINES - Part 2 of 2

CATERPILLAR 621B TRACTOR



5R6677 RETARDER CONTROL GROUP
6D3943 Valve Parts are shown on Page 131

POWER TRAIN-POWER TRANSMISSION UNIT



6D3943 RETARDER VALVE ASSEMBLY
 Part of 5R6677 RETARDER CONTROL GROUP
 Shown on Page 130

CATERPILLAR 621B TRACTOR

REF NO	PART NUMBER	DESCRIPTION	QTY
1	9S4191	PLUG-----	1
1	3J1907	SEAL-----	1
2	9S8008	PLUG-----	1
2	3D2824	SEAL-----	1
3	4F5192	BOLT-----	1
3	3K6113	WASHER-----	1
4	2P9341	HOUSING ASSEM.-----	1
4		(Includes)	
4	1F1006	DOWEL-----	1
5	9F7104	RING-----	1
6	7S8669	CARRIER-----	1
7	8P5827	RACE-----	1
8	2P9181	ROTOR-----	1
9	1A2029	BOLT-----	12
10	2P9211	STATOR-----	1
11	3B1915	BOLT-----	4
11	5M2894	WASHER-----	4
12	9P6589	RACE-----	1
13	2S6498	RING-----	3
14	7S8672	CARRIER-----	1

228161

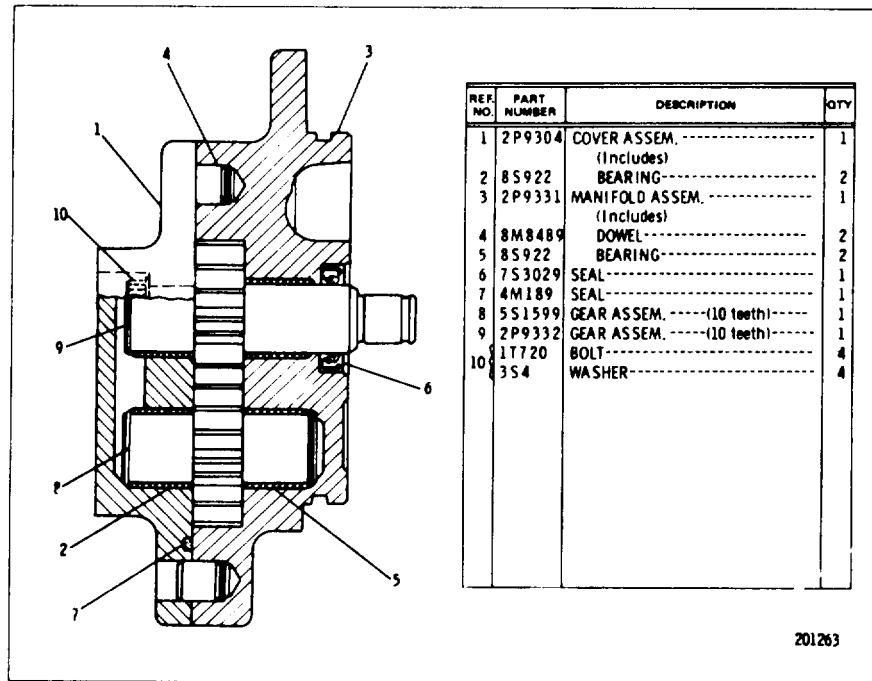
806050 GEAR PUMP GROUP
2P9313 Pump parts are shown on Page 133

REF NO	PART NUMBER	DESCRIPTION	QTY
1	1A2029	BOLT-----	3
2	3B4506	LOCKWASHER-----	4
3	1B4203	NUT-----	1
4	8D4400	GEAR----- (27 teeth)	1
4	1B8702	KEY-----	1
5	3H1302	RING-----	1
6	8D4408	WASHER-----	1
7	5H6734	SEAL-----	1
8	2P9313	PUMP GROUP-----	1
		(Separate Illustration)	

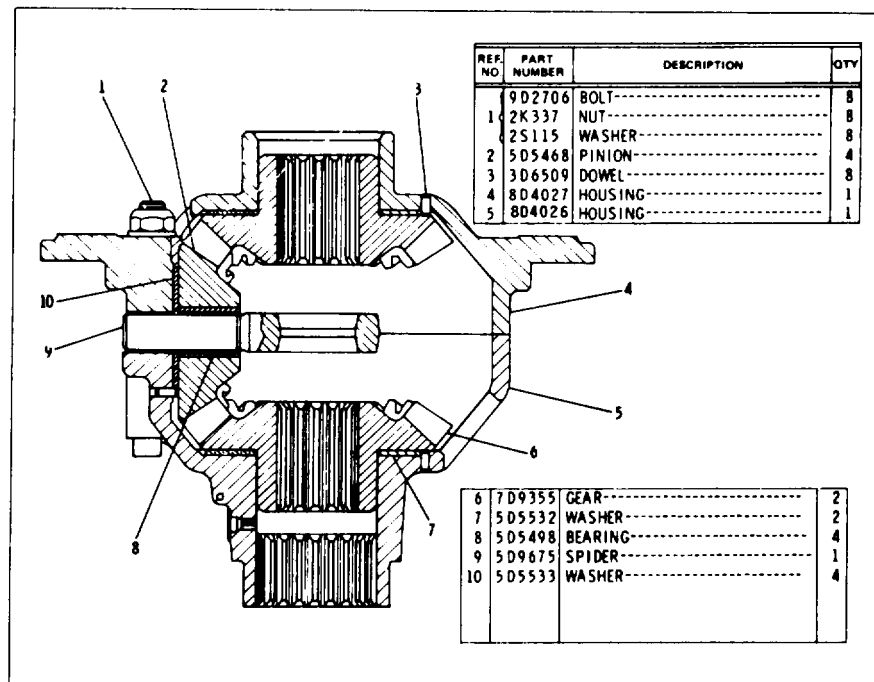
201262

8D6050 GEAR PUMP GROUP
2p9313 Pump parts are shown on Page 133

POWER TRAIN-POWER TRANSMISSION UNIT 133

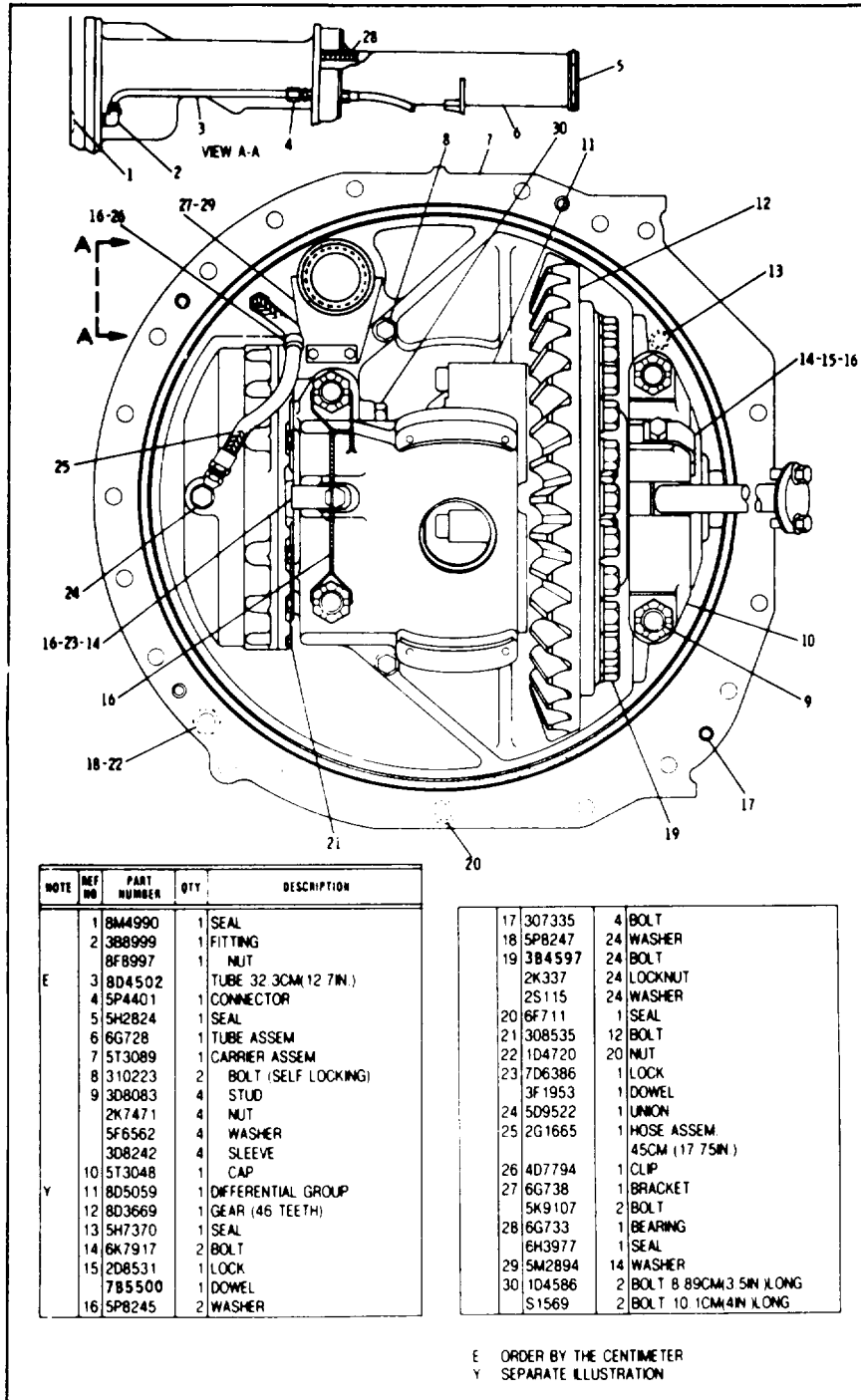


2P9313 GEAR PUMP GROUP-Single Section
Part of 806050 Gear Pump Group shown on Page 132



8D5059 DIFFERENTIAL GROUP
Part of 8D5060 Differential and Bevel Gear Group shown on Page 134

CATERPILLAR 621B TRACTOR



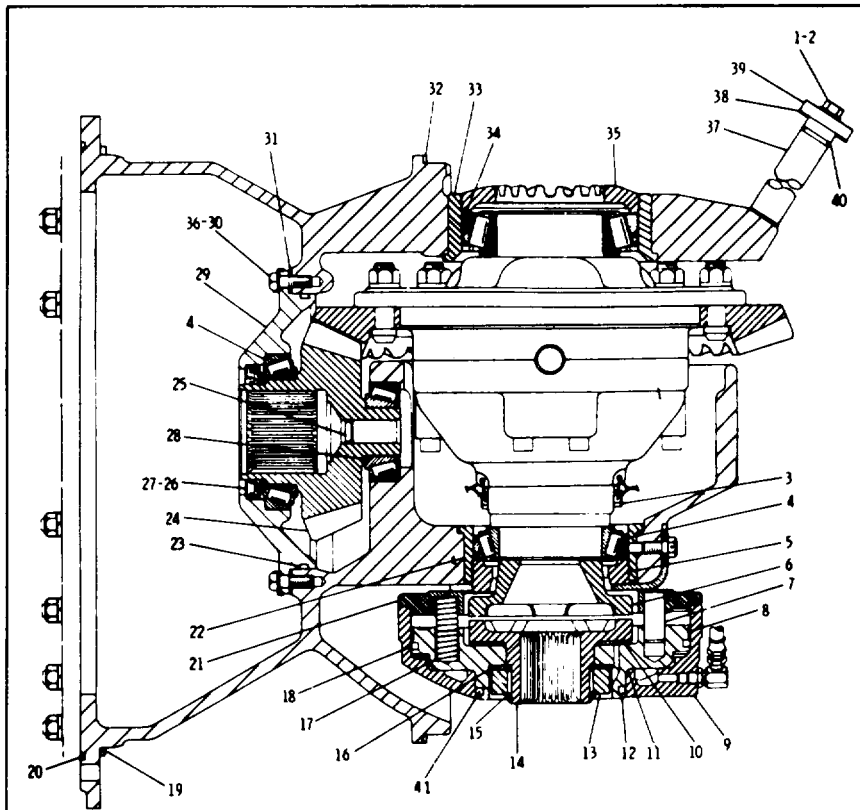
NOTE	REF NO	PART NUMBER	QTY	DESCRIPTION
	1	8M4990	1	SEAL
	2	3B8999	1	FITTING
		8F8997	1	NUT
E	3	8D4502	1	TUBE 32.3CM(12.7IN.)
	4	5P4401	1	CONNECTOR
	5	5H2824	1	SEAL
	6	6G728	1	TUBE ASSEM
	7	5T3089	1	CARRIER ASSEM
	8	310223	2	BOLT (SELF LOCKING)
	9	3D8083	4	STUD
		2K7471	4	NUT
		5F6562	4	WASHER
		3D8242	4	SLEEVE
	10	5T3048	1	CAP
Y	11	8D5059	1	DIFFERENTIAL GROUP
	12	8D3669	1	GEAR (46 TEETH)
	13	5H7370	1	SEAL
	14	6K7917	2	BOLT
	15	2D8531	1	LOCK
		7B5500	1	DOWEL
	16	5P8245	2	WASHER

17	307335	4	BOLT
18	5P8247	24	WASHER
19	3B4597	24	BOLT
	2K337	24	LOCKNUT
	2S115	24	WASHER
20	6F711	1	SEAL
21	308535	12	BOLT
22	1D4720	20	NUT
23	7D6386	1	LOCK
	3F1953	1	DOWEL
24	5D9522	1	UNION
25	2G1665	1	HOSE ASSEM.
			45CM (17.75IN.)
26	4D7794	1	CLIP
27	6G738	1	BRACKET
	5K9107	2	BOLT
28	6G733	1	BEARING
	6H3977	1	SEAL
29	5M2894	14	WASHER
30	1D4586	2	BOLT 8.89CM(3.5IN) LONG
	S1569	2	BOLT 10.1CM(4IN) LONG

E ORDER BY THE CENTIMETER
 Y SEPARATE ILLUSTRATION

8D5060 DIFFERENTIAL AND BEVEL GEAR GROUP--Part 1
 8D5059 Differential parts are shown on Page 133

POWER TRAIN-POWER TRANSMISSION UNIT



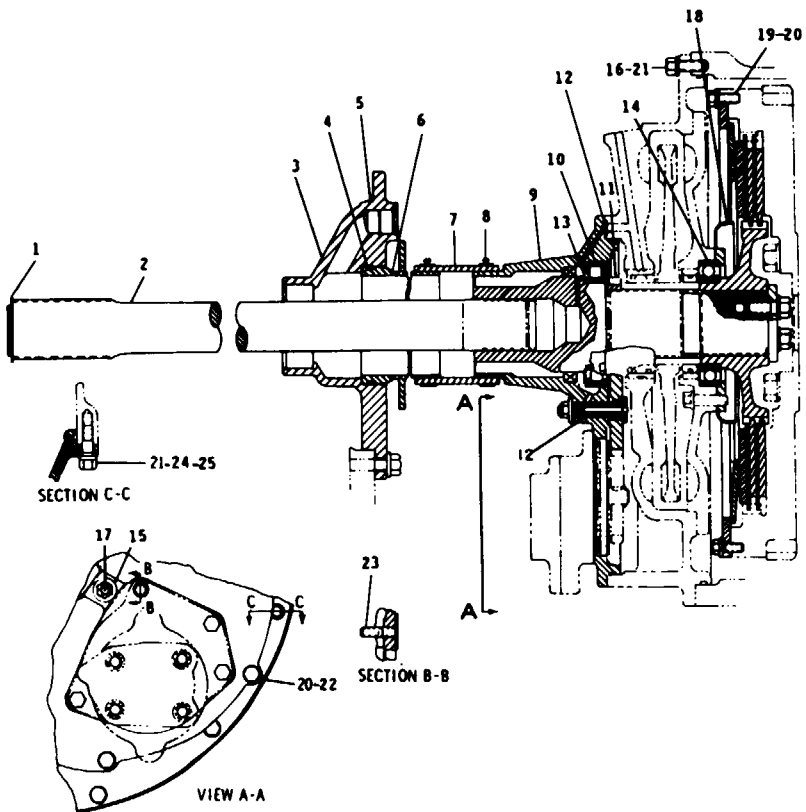
NOTE	REF ID	PART NUMBER	QTY	DESCRIPTION
		1 5K7143	2	BOLT
		2 5P8245	2	WASHER
		3 7D6378	2	BOLT
D		8M4867		LOCKWIRE 24M(9.45IN.)
		4 8S9076	2	CUP
		8S9075	2	CONE
		5 7D6368	1	RING
		6 7D6088	1	JAW
		7 6D2718	2	DOWEL
		8 7D6319	1	RING
		9 7D6415	1	CYLINDER
		10 7D6102	1	WASHER
		11 7D6251	1	PISTON
		12 7D6232	1	SEAL
		13 5T5296	1	SPACER
		14 5T5263	1	JAW
		15 3F3728	1	RING
		16 7D6101	1	WASHER
		17 7D4893	12	SPRING
		18 7D6233	1	SEAL
		19 2D8364	1	SEAL
		20 8D5096	1	SEAL
		21 7D6222	1	HOUSING

22	8D4311	1	CAGE
23	8F8861	1	SEAL
24	8D4335	1	PINION ASSEM (18 TEETH)
25	1F9994	1	PLUG
26	3D1968	1	SEAL
27	3D1969	1	RING
28	1P7896	1	CUP
	1P7895	1	CONE
29	8D4294	1	RETAINER
30	7B3235	6	BOLT
31	6D7652	6	SHIM .005IN (13MM)THICK
	6D7655	8	SHIM .007IN (18MM)THICK
32	9M3360	1	SEAL
33	9D9253	1	CAGE
34	4B8393	1	CUP
	6F8110	1	CONE
35	5D9265	1	RING
36	2B1738	6	LOCK
			-OR-
	5P8245	6	WASHER
37	5T2633	1	PIN
B	38 9M5874	1	SHIM
	39 8M3391	1	COVER
	40 2H3932	1	SEAL
	41 8B8736	1	KEY

B USE AS REQUIRED

D ORDER BY THE METER

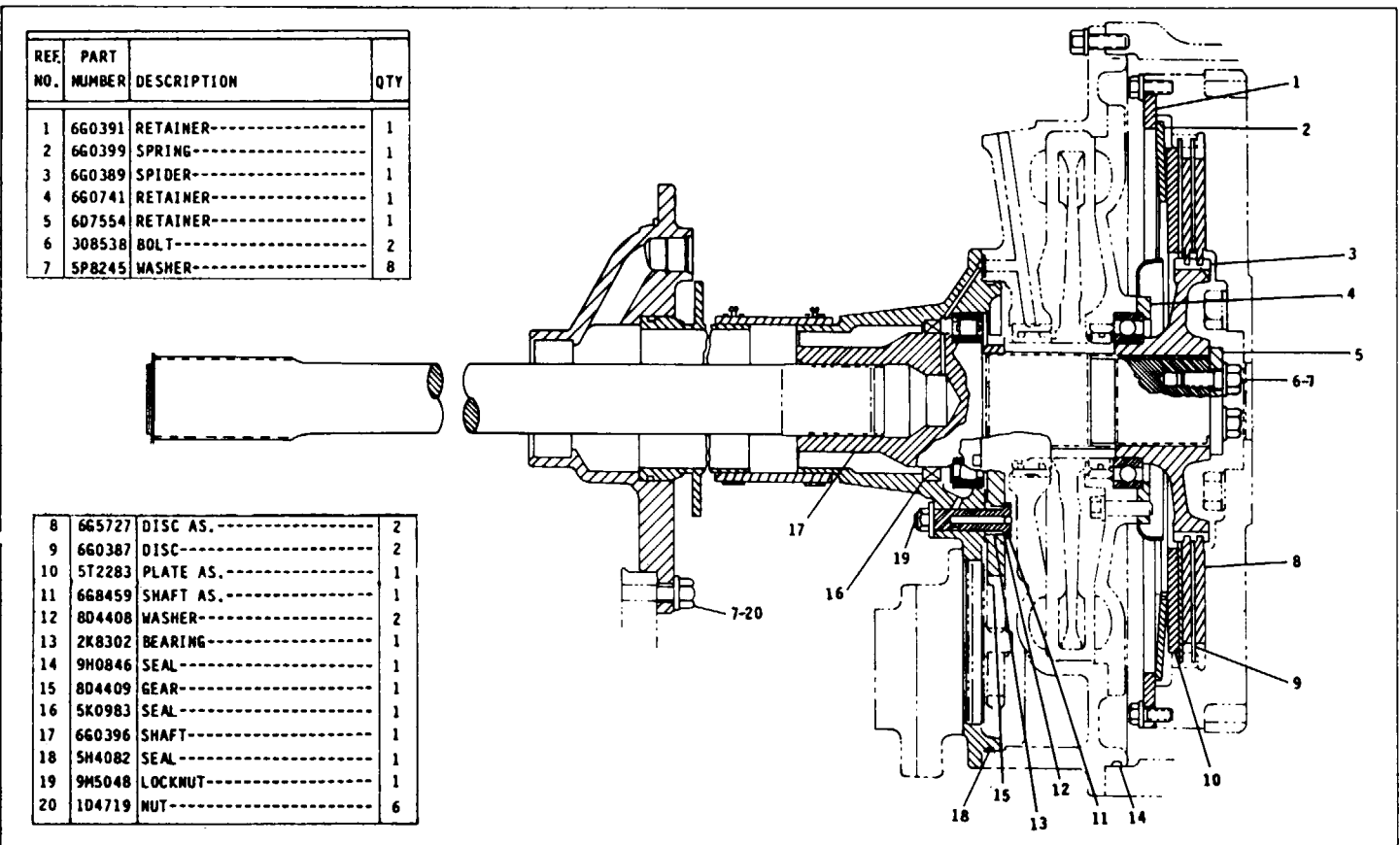
8D5060 DIFFERENTIAL AND BEVEL GEAR GROUP-Part 2



8D5060 DRIVE SHAFT GROUP--Part 1

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2D1523	RING-----	1
2	6G0395	SHAFT-----	1
3	6G0723	HOUSING-----	1
4	1S7408	SEAL-----	1
5	5S3676	SEAL-----	1
6	6G0747	TUBE AS.-----	1
7	6G0737	HOSE-----	1
8	5P1717	CLAMP-----	2
9	6G0683	COVER-----	1
10	7H7628	BEARING-----	1
11	6G0415	GEAR-----	1
12	5H6005	SEAL-----	2
13	7D1677	RACE-----	1
14	1T0334	BEARING-----	1
15	6G6492	RETAINER-----	1
16	312523	BOLT-----	9
17	4H5232	PIN-----	1
18	6G0762	DEFLECTOR-----	1
19	500353	BOLT-----	24
20	5N2894	WASHER-----	33
21	3K6113	WASHER-----	11
22	343557	BOLT-----	9
23	0L0659	STUD-----	1
24	0T0291	STUD-----	2
25	1B4204	NUT-----	2

POWER TRAIN-POWER TRANSMISSION UNIT



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	660391	RETAINER-----	1
2	660399	SPRING-----	1
3	660389	SPIDER-----	1
4	660741	RETAINER-----	1
5	607554	RETAINER-----	1
6	308538	BOLT-----	2
7	5P8245	WASHER-----	8

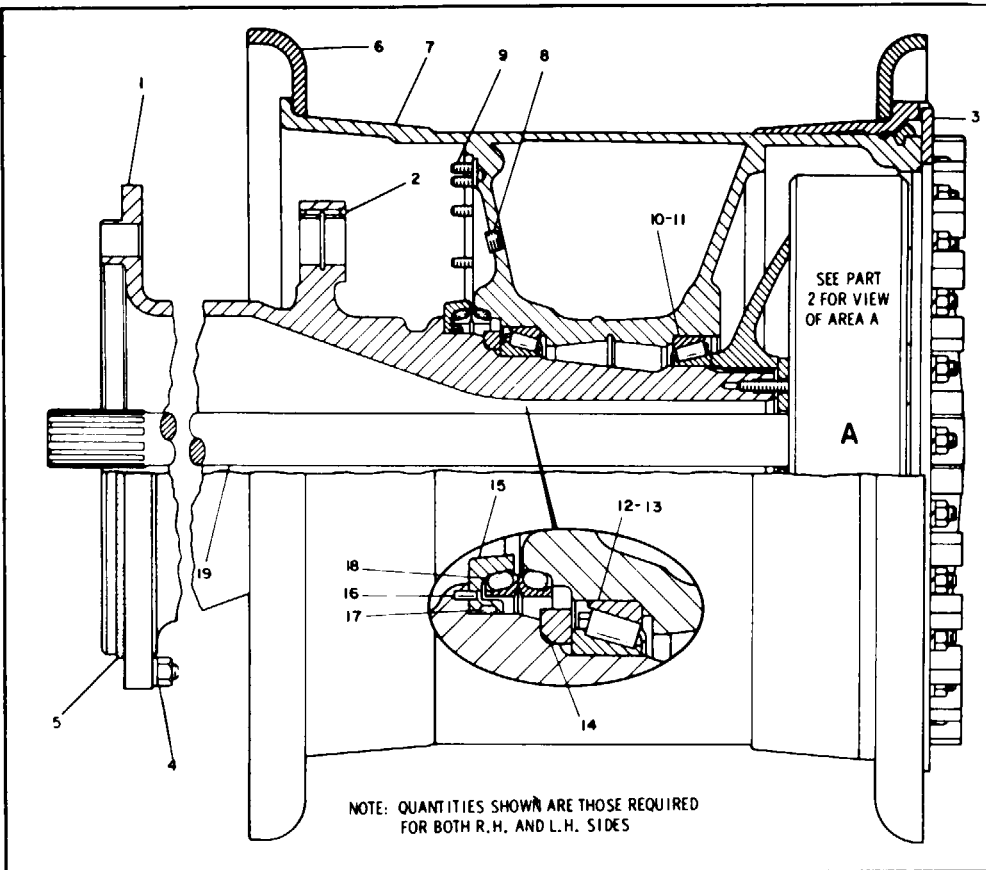
8	665727	DISC AS.-----	2
9	660387	DISC-----	2
10	5T2283	PLATE AS.-----	1
11	668459	SHAFT AS.-----	1
12	8D4408	WASHER-----	2
13	2K8302	BEARING-----	1
14	9H0846	SEAL-----	1
15	8D4409	GEAR-----	1
16	5K0983	SEAL-----	1
17	660396	SHAFT-----	1
18	5H4082	SEAL-----	1
19	9M5048	LOCKNUT-----	1
20	1D4719	NUT-----	6

5R6698 DRIVE SHAFT GROUP - Part 1

CATERPILLAR 621B TRACTOR

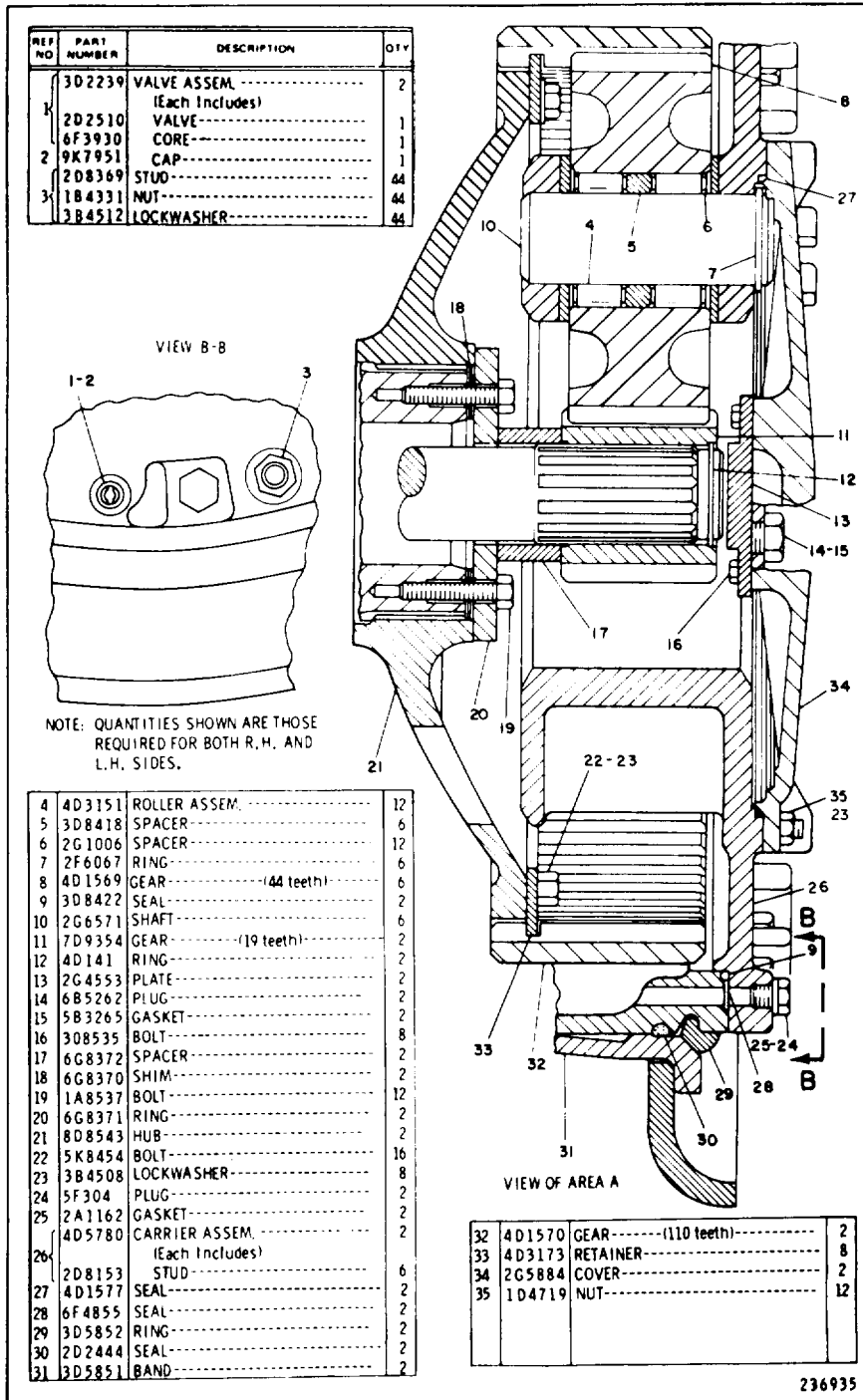
TM 5-3805-248-14&P-4

REF NO	PART NUMBER	DESCRIPTION	QTY.
1	5T3091	HOUSING ASSEM. ----- (Each Includes)	2
2	4B9783	BALL-----	1
3	3D8835	DRIVER-----	2
4	2J3506	NUT-----	44
	5H1504	WASHER-----	44
5	4F2411	SEAL-----	2
6	3F9194	FLANGE-----	4
	6G6303	WHEEL ASSEM. ----- (Each Includes)	2
7	2G9059	WHEEL ASSEM. -----	1
	7M7410	PLUG-----	1
8	1B5174	PLUG-----	2
9	2D8154	STUD-----	84
10	2P1823	CUP-----	2
11	2P1824	CONE-----	2
12	1P9594	CUP-----	2
13	1P9593	CONE-----	2
14	9D8717	SPACER-----	2
15	6D2347	RETAINER ASSEM. ----- (Each Includes)	2
16	S130	PIN-----	3
17	1M9015	SEAL-----	2
	9G5319	SEAL GROUP----- (Each Includes)	2
18	4M660	RING-----	2
19	8D6051	SHAFT----- (R. H.)	1
	8D6052	SHAFT----- (L. H.)	1



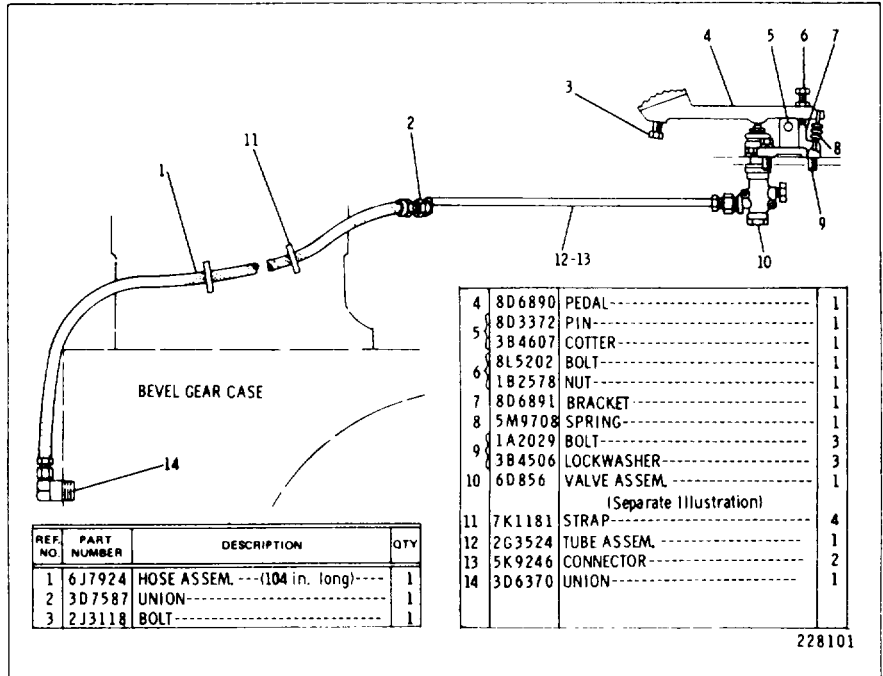
8D8250 FINAL DRIVE AND WHEEL GROUP - 29.5 X 29 Tubeless Tires - Part 1 of 2

POWER TRAIN-POWER TRANSMISSION UNIT



808250 FINAL DRIVE AND WHEEL GROUP-29.5 x 29 Tubeless Tires- Part 2 of 2

CATERPILLAR 621B TRACTOR



8D8010 DIFFERENTIAL LOCK CONTROL GROUP
6D856 Valve parts are shown on Page 116

Consists of:

2 2D7453 TIRE
 29.5 X 29-28 PR TUBELESS E3 TIRE

FIRESTONE TIRE & RUBBER CO.
 SUPER GROUND - E3

GENERAL TIRE & RUBBER CO.
 ALL DUTY - E3

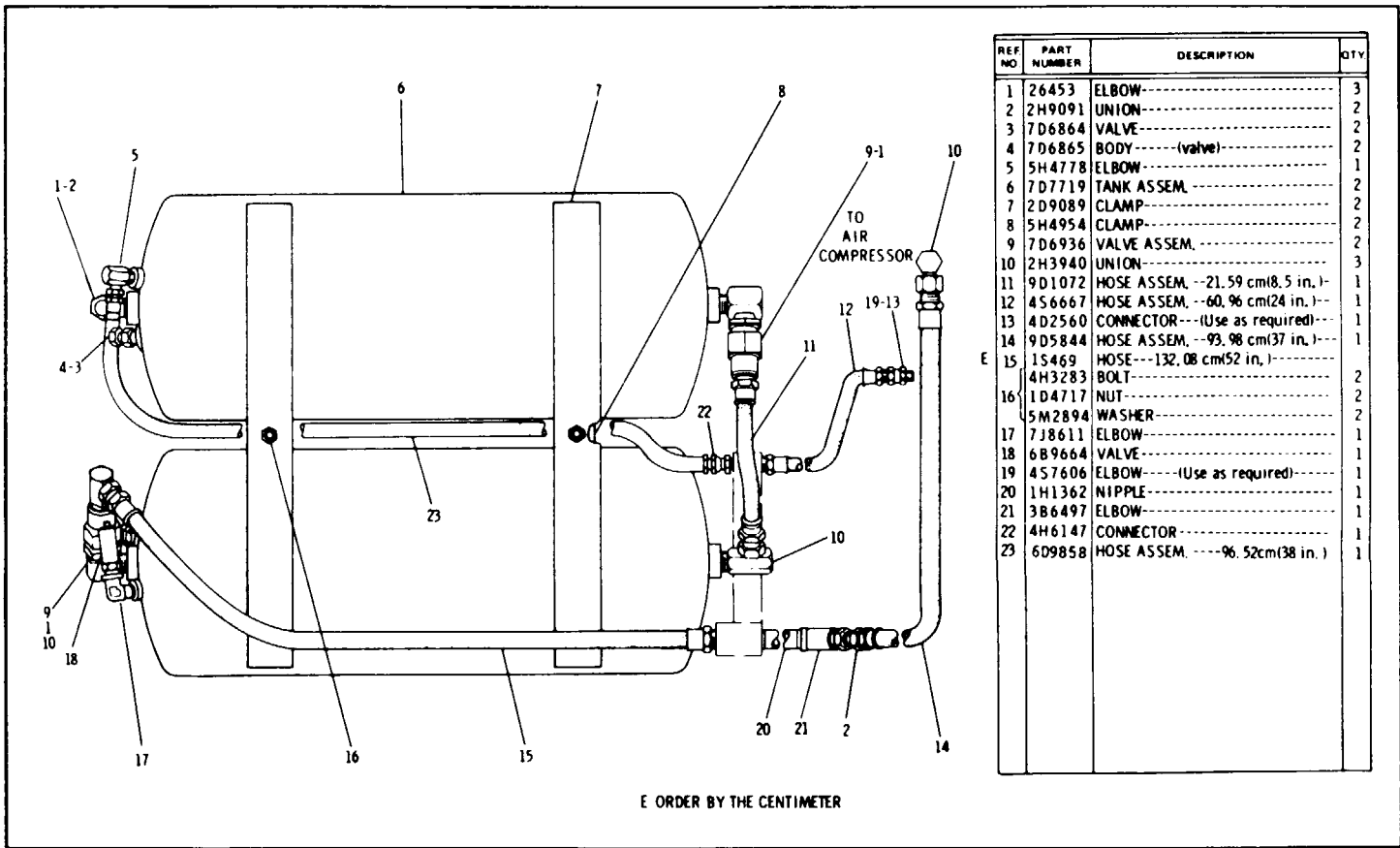
GOODYEAR TIRE & RUBBER CO.
 SURE GRIP LUG - E3

5R6699 TIRE GROUP

8D8160 AIR TANK GROUP

8D8160 AIR TANK GROUP

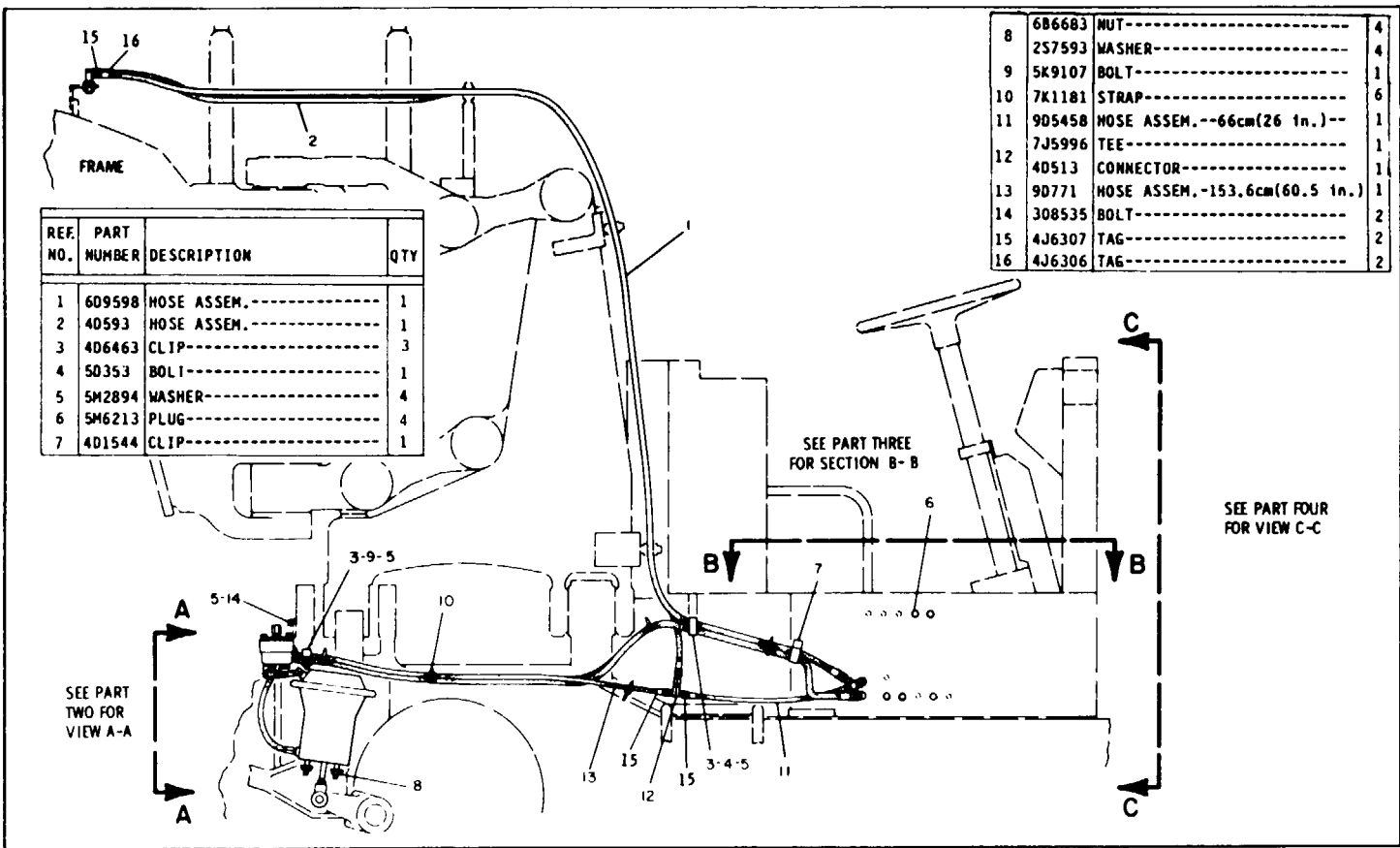
141



E ORDER BY THE CENTIMETER

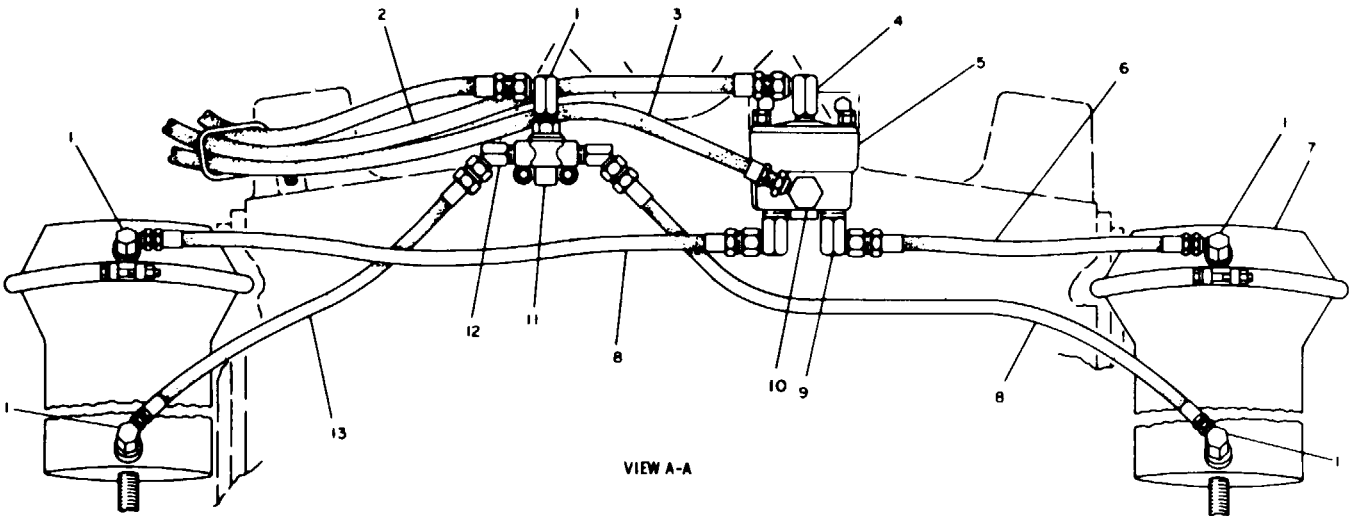
REF NO	PART NUMBER	DESCRIPTION	QTY
1	26453	ELBOW-----	3
2	2H9091	UNION-----	2
3	7D6864	VALVE-----	2
4	7D6865	BODY----- (valve)-----	2
5	5H4778	ELBOW-----	1
6	7D7719	TANK ASSEM-----	2
7	2D9089	CLAMP-----	2
8	5H4954	CLAMP-----	2
9	7D6936	VALVE ASSEM-----	2
10	2H3940	UNION-----	3
11	9D1072	HOSE ASSEM. --21.59 cm(8.5 in.)--	1
12	4S6667	HOSE ASSEM. --60.96 cm(24 in.)--	1
13	4D2560	CONNECTOR---(Use as required)---	1
14	9D5844	HOSE ASSEM. --93.98 cm(37 in.)--	1
15	15469	HOSE---(32.08 cm(52 in.)---	1
16	4H3283	BOLT-----	2
17	1D4717	NUT-----	2
18	5M2894	WASHER-----	2
19	7J8611	ELBOW-----	1
20	6B9664	VALVE-----	1
21	4S7606	ELBOW----- (Use as required)-----	1
22	1H1362	NIPPLE-----	1
23	3B6497	ELBOW-----	1
24	4H6147	CONNECTOR-----	1
25	6D9858	HOSE ASSEM. ----96.52cm(38 in.)	1

STEERING AND BRAKING SYSTEM



5R6676 BRAKE CONTROL GROUP - Part 1 of 4

STEERING AND BRAKING SYSTEM



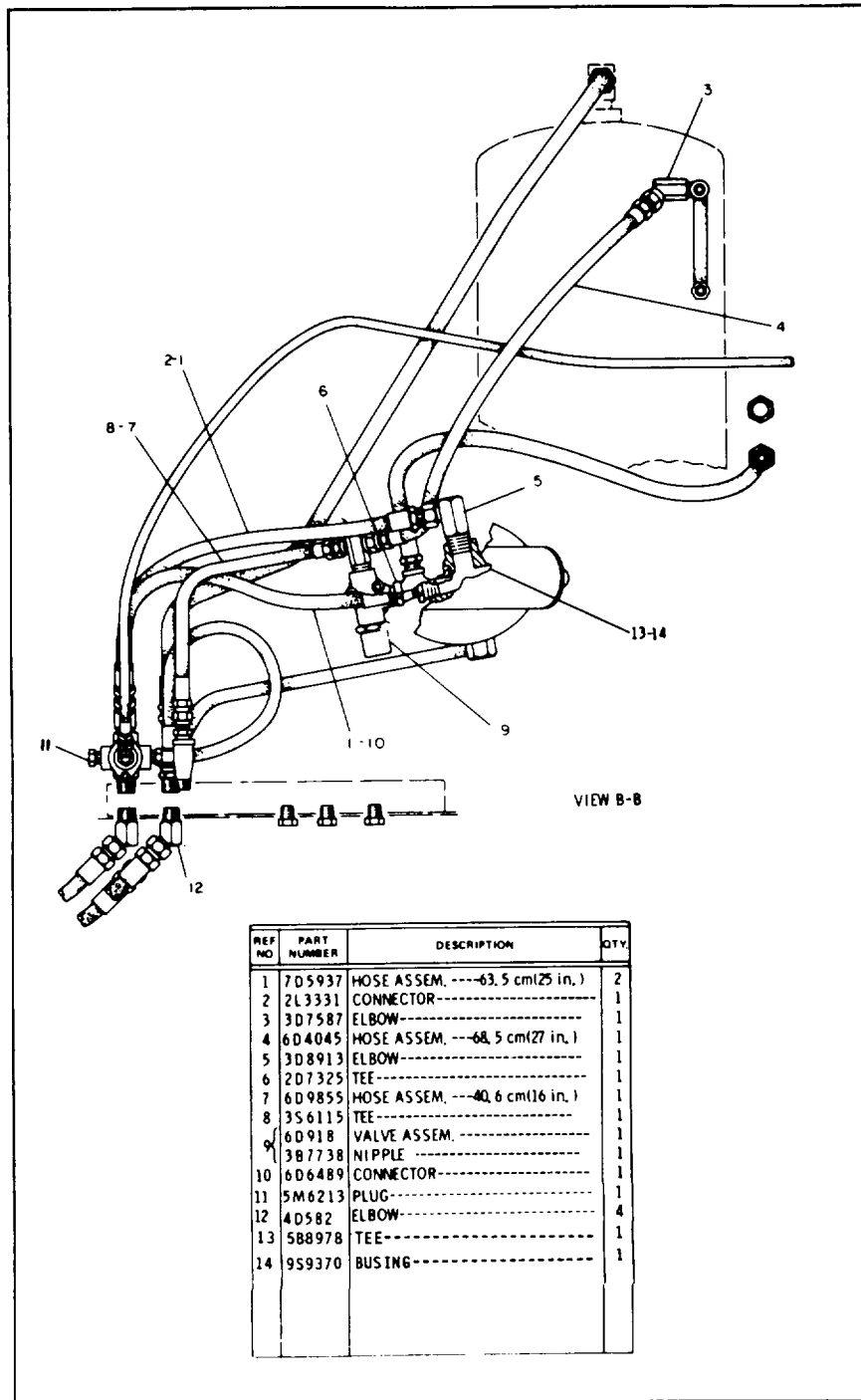
VIEW A-A

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	40577	ELBOW-----	5
2	7J664	HOSE ASSEM.--241cm(95 in.)	1
3	308941	HOSE ASSEM.-----	1
4	1S401	ELBOW-----	1
5	5T1730	VALVE GROUP----(relay)--	1
	3J5389	PLUG-----	2
6	5K9858	HOSE ASSEM.--35.5cm(14 in.)	1

7	667490	ACTUATOR GROUP----- (Separate illustration)	2
8	7D5937	HOSE ASSEM.--63.5cm(25 in.)	2
9	308913	ELBOW-----	2
10	2H3940	ELBOW-----	1
	66593	VALVE-----	1
11	314630	BOLT-----	2
	9M1974	WASHER-----	2
12	40582	ELBOW-----	2
13	5J7585	HOSE ASSEM.---48cm(19 in.)	1

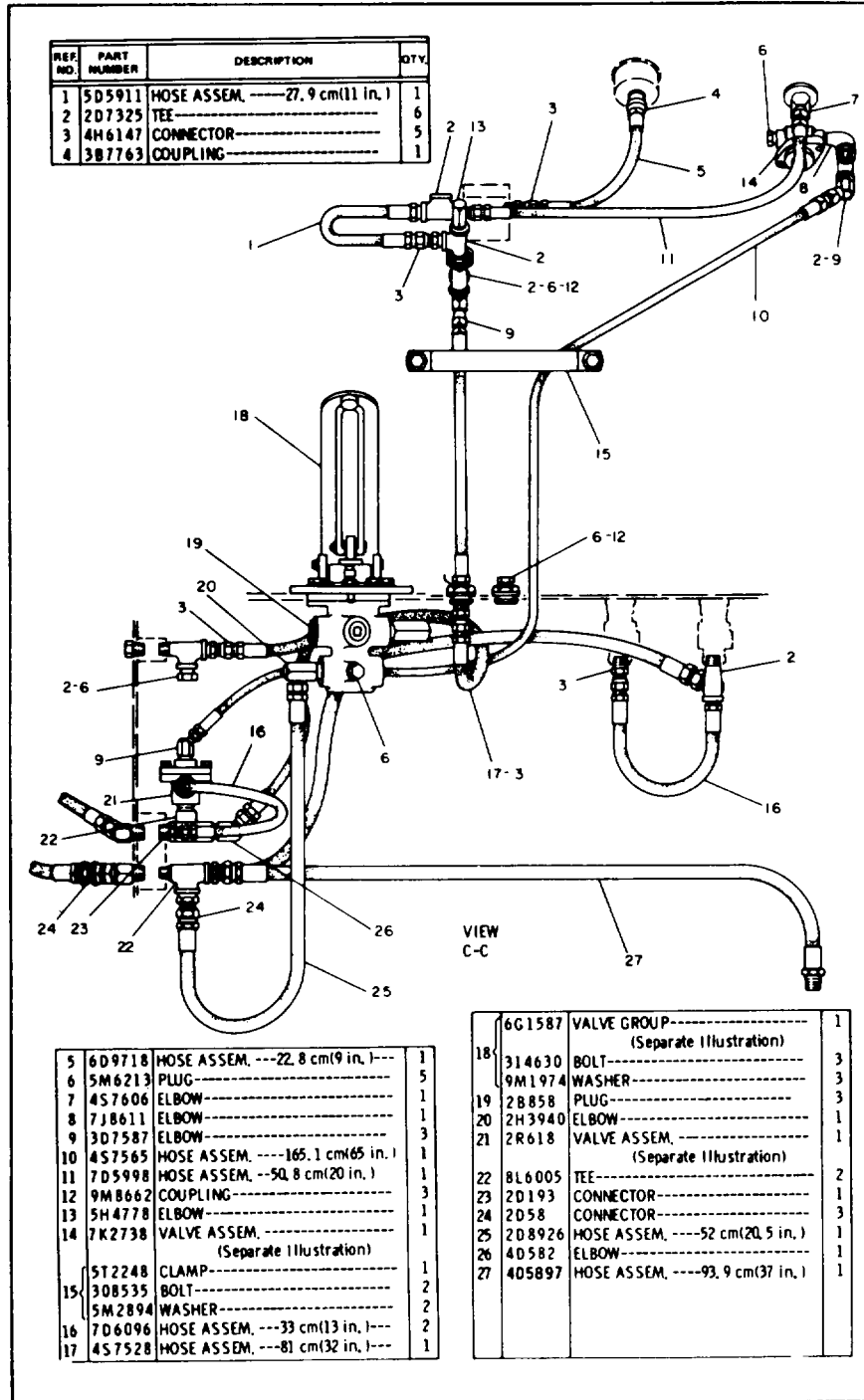
5R6676 BRAKE CONTROL GROUP--Part 2 of 4
 6G7490 Actuator parts are shown on page 146
 143

CATERPILLAR 621B TRACTOR



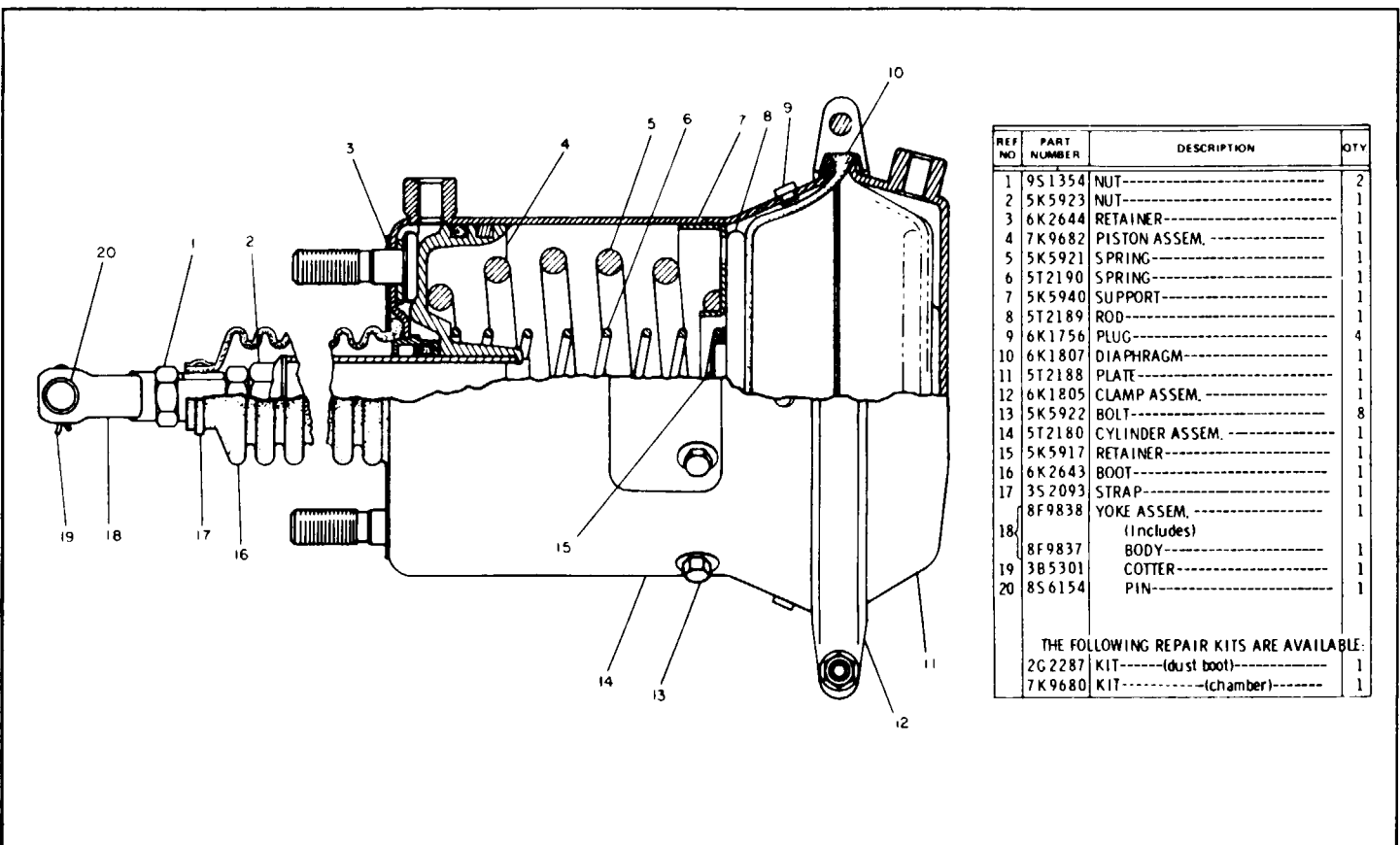
5R6676 BRAKE CONTROL GROUP--Part 3 of 4

STEERING AND BRAKING SYSTEM



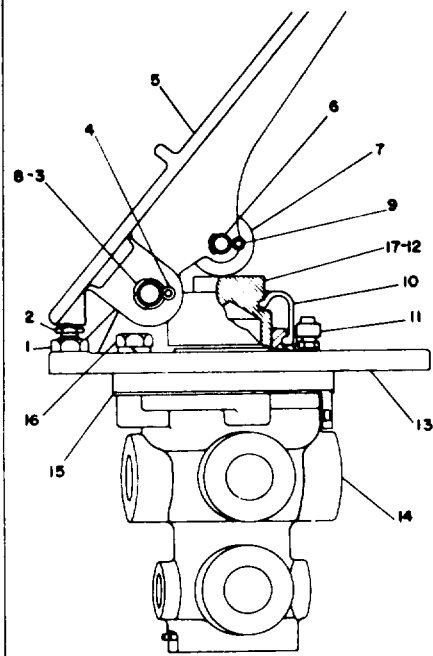
5R6676 BRAKE CONTROL GROUP--Part 4 of 4
7K2738, 6G1587 and 2R618 Valve parts are shown on Pages 147 and 148

CATERPILLAR 6218 TRACTOR



6G7490 BRAKE ACTUATOR GROUP
 Part of 5R6676 Brake Control Group shown on page 145
 146

STEERING AND BRAKING SYSTEM



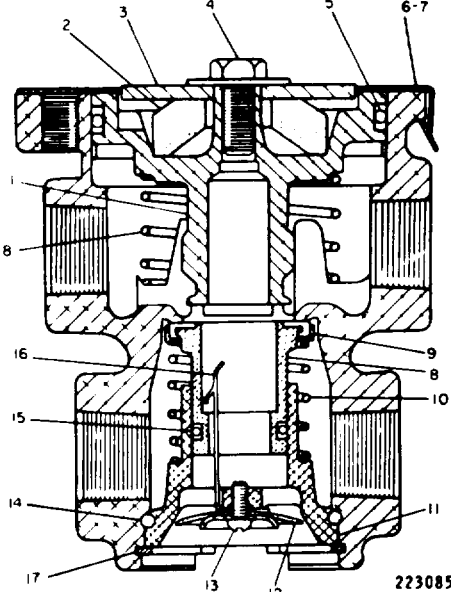
REF NO	PART NUMBER	DESCRIPTION	QTY.
1	5D3635	NUT-----	1
2	6D9636	SCREW-----	1
3	2R720	PIN-----	1
3	6G1572	SPACER-----	1
4	384609	COTTER PIN-----	1
5	6D9766	TREADLE ASSEM. (Includes)	1
6	7B9323	PIN-----	1
7	5D3426	ROLLER-----	1
8	8F230	BUSHING-----	2
9	3B4607	COTTER PIN-----	1
10	5D3636	BOOT-----	1
11	5F5434	VENT ASSEM.	1
12	6G1568	BEARING-----	1
13	6G1574	PLATE ASSEM. (Includes)	1
13	6G1774	BEARING-----	2
14	6G1576	VALVE ASSEM. (Separate Illustration)	1
15	6G1571	GASKET-----	1
16	1B7182	BOLT-----	3
16	3B4505	LOCKWASHER-----	3
17	6G1567	PLUNGER-----	1

6G1587 CONTROL VALVE GROUP

Part of 5R6676 Brake Control Group shown on Page 145

6G1576 Valve parts are shown below

REF NO	PART NUMBER	DESCRIPTION	QTY.
1	5D767	PISTON ASSEM. (Includes)	1
2	5D768	SPRING-----	1
3	4D2302	SEAT-----	1
4	310215	BOLT-----	1
4	4D2303	WASHER-----	1
5	5P9897	SEAL-----	1
6	4D2305	RETAINER-----	1
7	6G1571	GASKET-----	1
8	4D2289	VALVE ASSEM. (Includes)	1
8	4D2295	VALVE-----	1
9	1S3612	RETAINER-----	1
10	4D2298	SPRING-----	1
11	5D9702	SEAT-----	1
12	4D2292	DIAPHRAGM-----	1
13	5D8412	SCREW-----	1
13	4D2293	WASHER-----	1
14	5M2057	SEAL-----	1
15	4D2297	SEAL-----	1
16	4D2291	SPRING-----	1
17	41683	RING-----	1
18	4D2634	SPRING-----	1

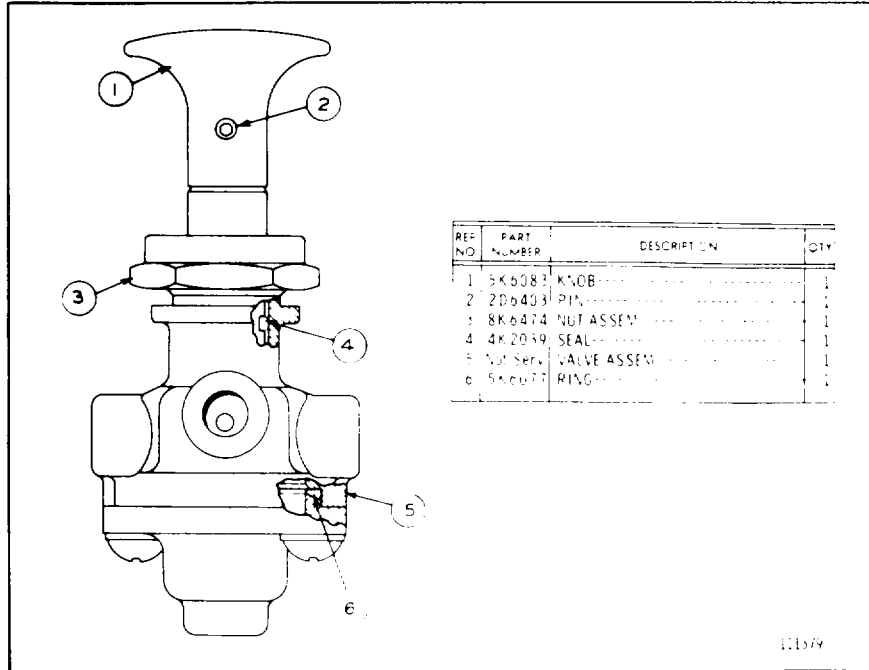


223085

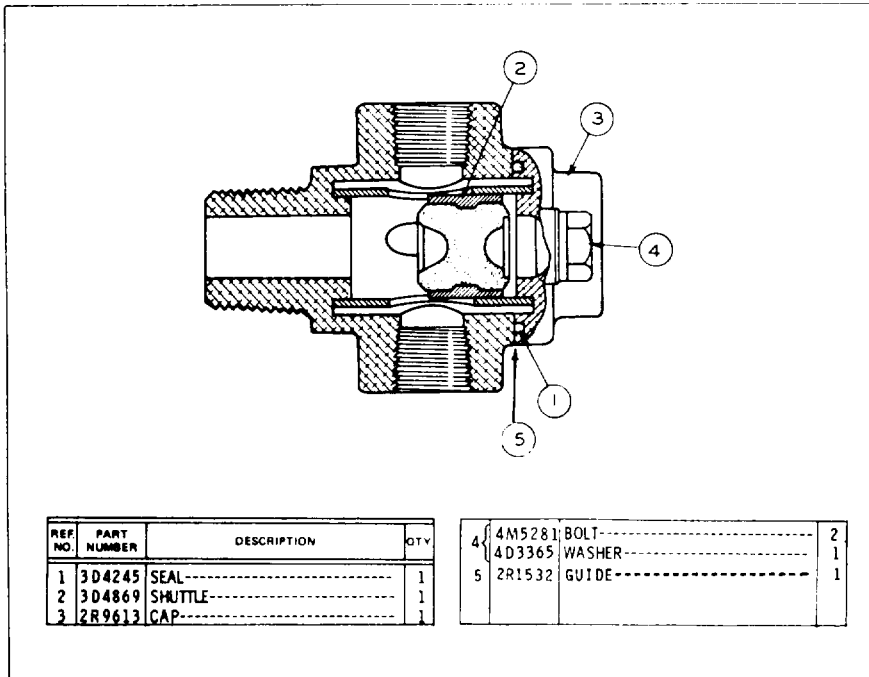
6G1576 CONTROL VALVE ASSEMBLY

Part of 6G1587 Control Valve Group shown above

CATERPILLAR 621B TRACTOR

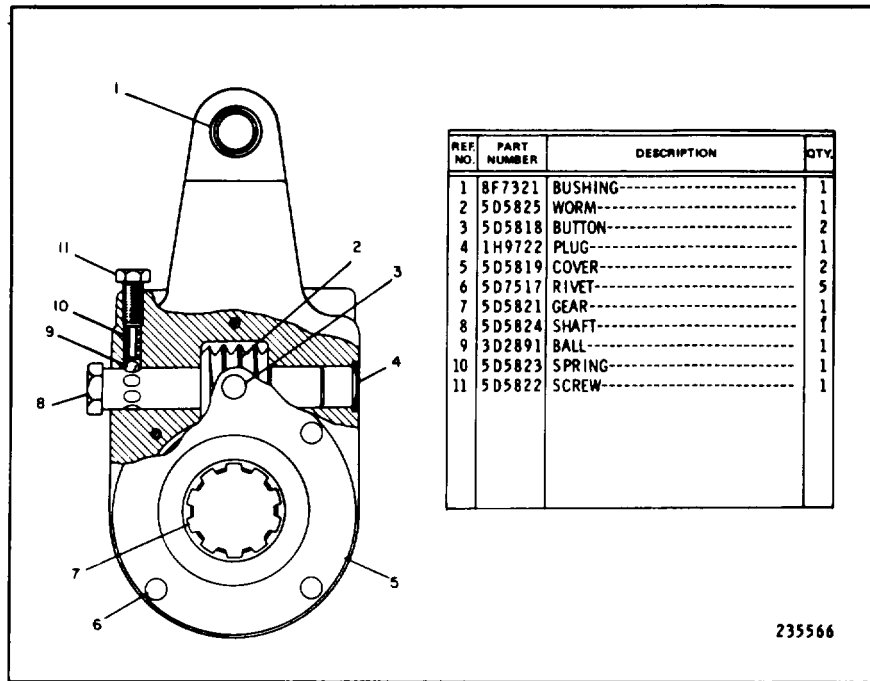


7K2738 VALVE ASSEMBLY-Park and Emergency
 Part of 5R6676 Brake Control Group shown on Page 145
 2R618 DOUBLE CHECK VALVE ASSEMBLY



Part of 5R6676 Brake Control Group shown on Page 145

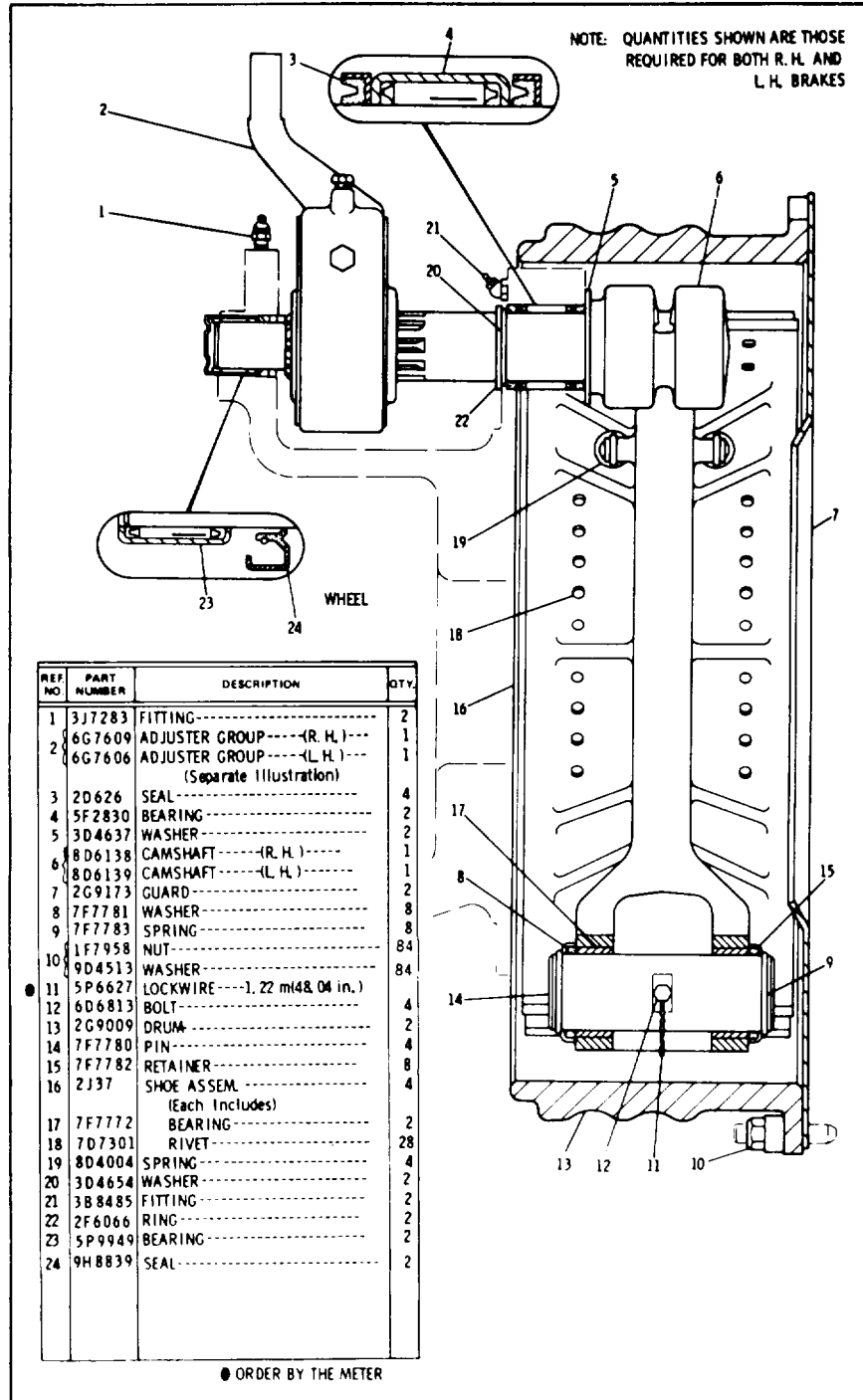
STEERING AND BRAKING SYSTEM



6G7606 SLACK ADJUSTER GROUP--L.H.
 6G7609 SLACK ADJUSTER GROUP--R.H.

Part of 6G7645 Service Brake Group shown on Page 150

CATERPILLAR 621B TRACTOR



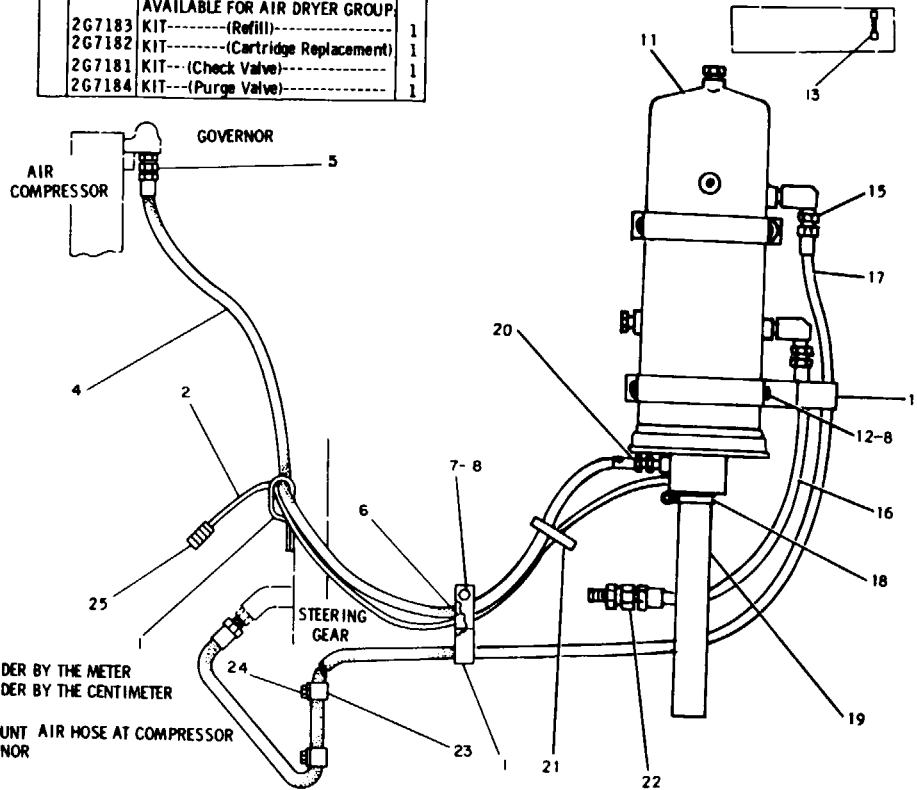
6G7645 SERVICE BRAKE GROUP

6G7606 Slack Adjuster parts are shown on Page 149

2G9500 AIR DRYER GROUP
151

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	7D7735	CLIP-----	3
	9D8869	WIRE ASSEM-----	1
		(Includes)	
2	5P6022	WIRE--.939 m(37 in.)	1
	2L8076	TERMINAL-----	1
3	4S1988	TERMINAL-----	1
4	7D7767	HOSE ASSEM.--121.9 cm(48 in.)--	1
5	4D2560	UNION-----	1
6	9M8406	CLIP-----	1
7	308535	BOLT-----	1
8	5M2894	WASHER-----	5
	2G2159	AIR DRYER GROUP-----	1
		(Includes)	
11	2G1034	VALVE-----	1
	2G9927	COVER-----	1
12	5K9107	BOLT-----	5
13	3K8782	FUSE----- (10 amp)	1
15	2H3940	UNION-----	1
16	5D5885	HOSE ASSEM.--63.5 cm(25 in.)--	1
17	2G6989	HOSE ASSEM.--231 cm(90.94 in.)--	1
18	9M7958	CLAMP-----	1
19	5P1251	HOSE-----21 cm(8.27 in.)	1
20	4H6147	UNION-----	1
21	6K806	STRAP-----	1
22	8M792	UNION-----	1
23	7L2406	CLIP-----	2
	6K7917	BOLT-----	2
24	5P8245	WASHER-----	2
	5P3859	TAPE-----	2
	SMHS7014	FORM-----	1
		(Instructions for installing air dryer)	

THE FOLLOWING KITS ARE AVAILABLE FOR AIR DRYER GROUP:		
2G7183	KIT----- (Refill)	1
2G7182	KIT----- (Cartridge Replacement)	1
2G7181	KIT--- (Check Valve)	1
2G7184	KIT--- (Purge Valve)	1



STEERING AND BRAKING SYSTEM 151

CATERPILLAR 621B TRACTOR

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STEERING AND BRAKING SYSTEM

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CATERPILLAR 621B TRACTOR

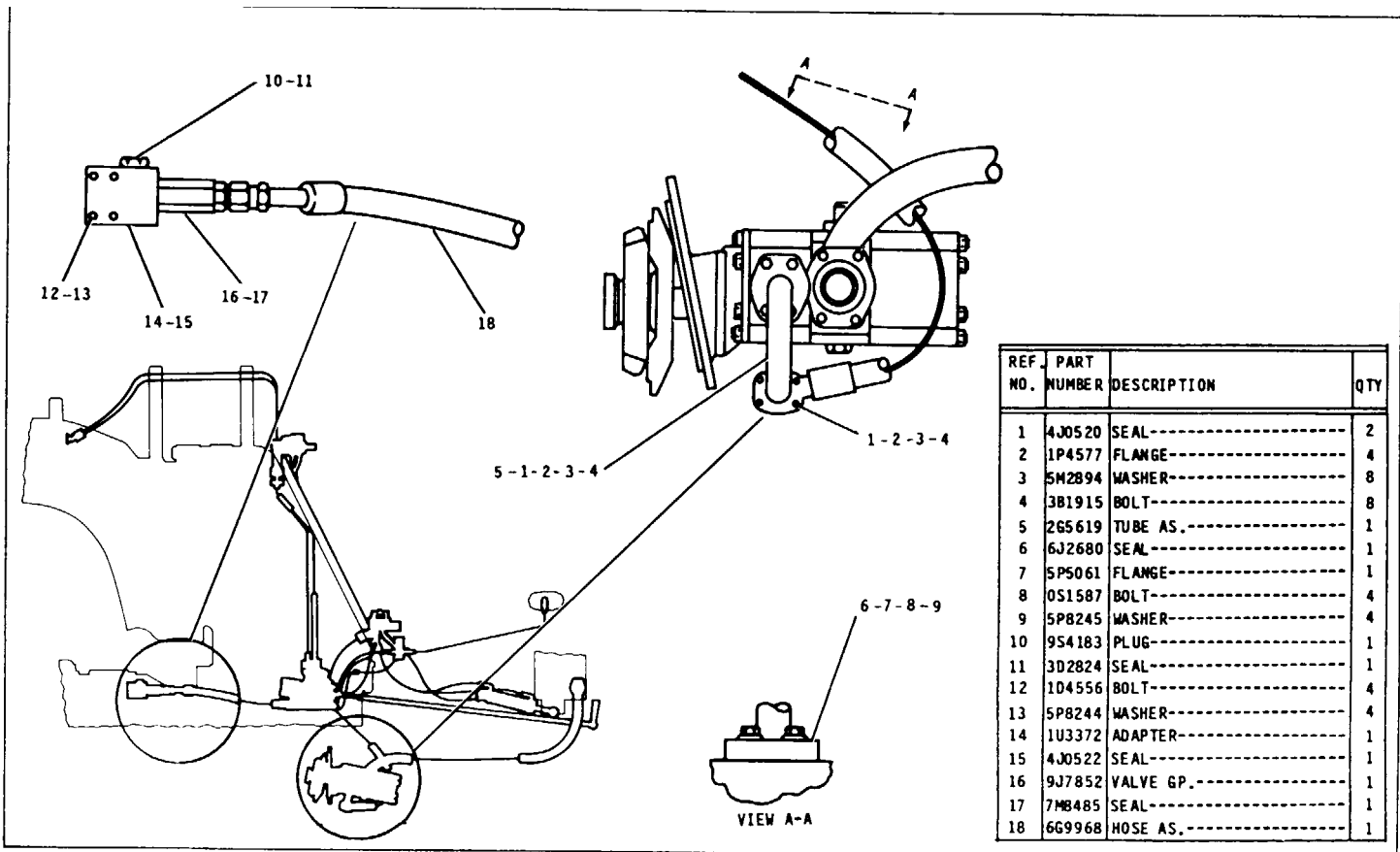
Consists of:

- 1 - 5L5502 - FITTING-TO SUPPLY PORT ON 5T1730 VALVE
- 1 - 6B5072 - BUSHING-TO TEE HOLE ON FITTING
- 1 - 5N6213 - PLUG-TO BUSHING
- 1 - 5P8998 - NIPPLE-TO BUSHING
- 1 - 4K4604 - COUPLER-TO NIPPLE
- 1 - 4K4605 - PLUG-TO COUPLER
- 1 - 7J4425 - HOSE AS.-TO PLUG
- 1 - 5R4262 - REGULATOR GP-TO HOSE AS.

5R6682 TIRE INFLATION GROUP

STEERING AND BRAKING SYSTEM

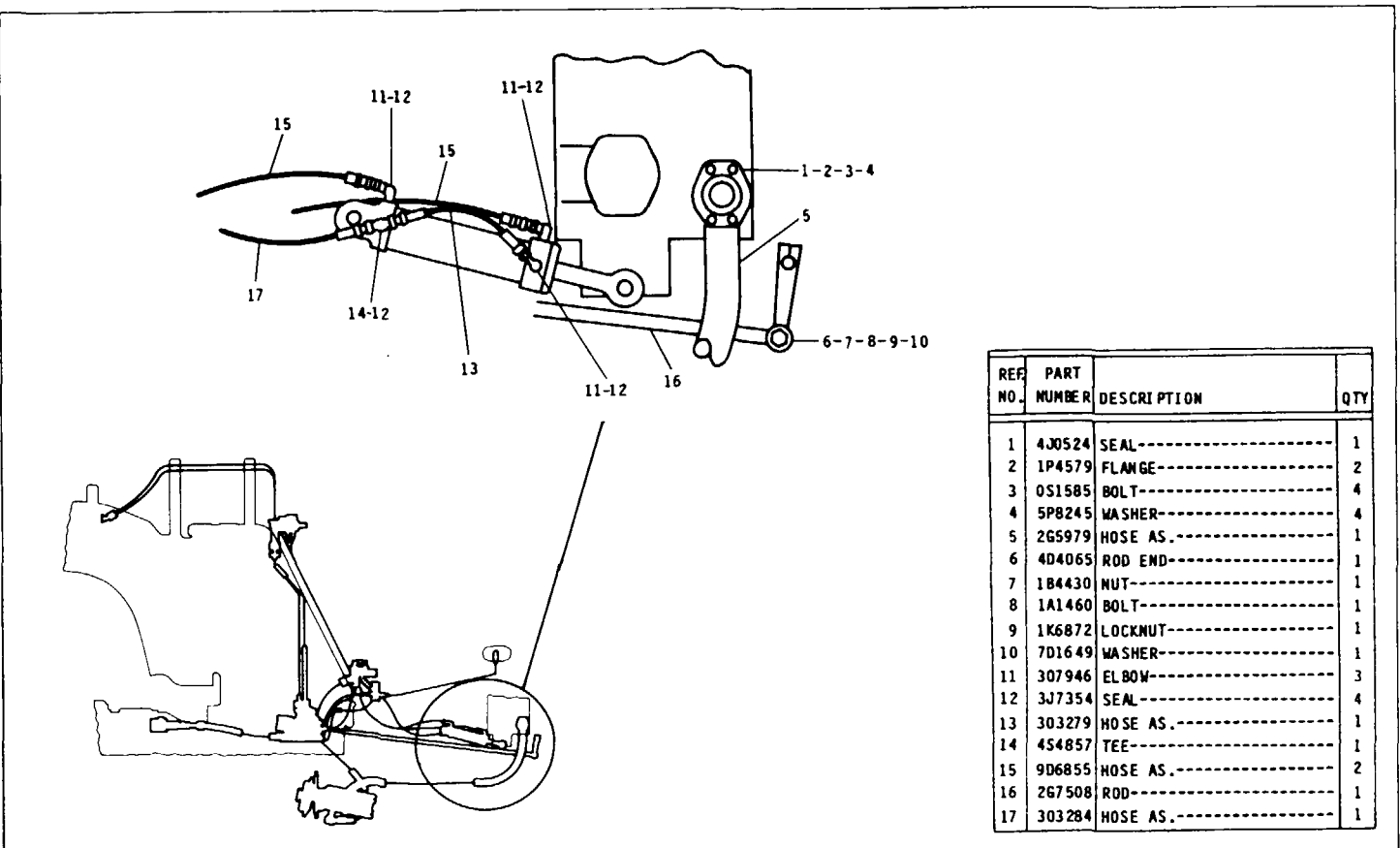
TM 5-3805-248-14&P-4



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4J0520	SEAL-----	2
2	1P4577	FLANGE-----	4
3	5M2894	WASHER-----	8
4	3B1915	BOLT-----	8
5	2G5619	TUBE AS.-----	1
6	6J2680	SEAL-----	1
7	5P5061	FLANGE-----	1
8	0S1587	BOLT-----	4
9	5P8245	WASHER-----	4
10	9S4183	PLUG-----	1
11	3D2824	SEAL-----	1
12	1D4556	BOLT-----	4
13	5P8244	WASHER-----	4
14	1U3372	ADAPTER-----	1
15	4J0522	SEAL-----	1
16	9J7852	VALVE GP.-----	1
17	7MB485	SEAL-----	1
18	6G9968	HOSE AS.-----	1

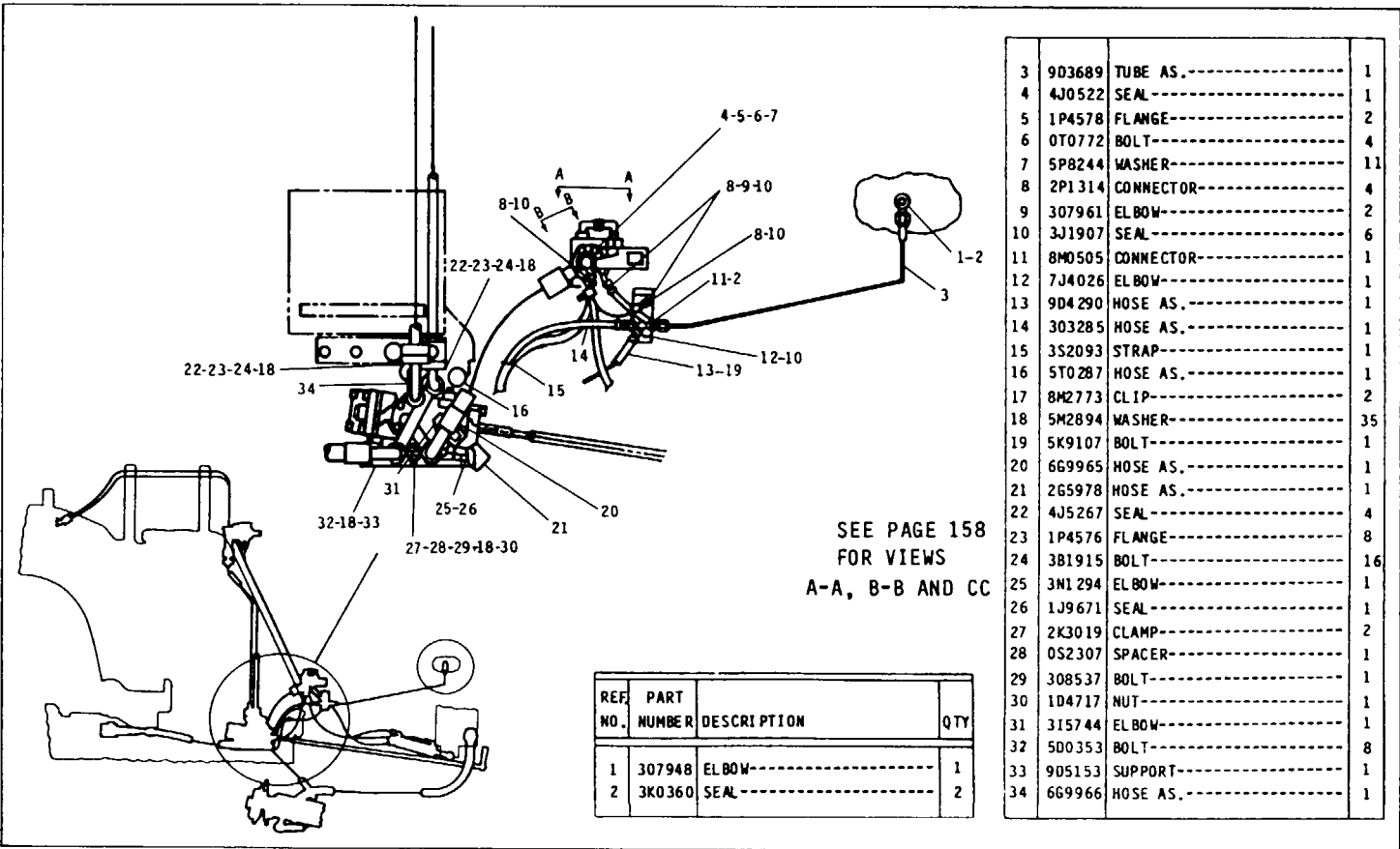
5R6685 STEERING LINES GROUP - Part 1 of 4
155

CATERPILLAR 6218 TRACTOR



REF NO.	PART NUMBER	DESCRIPTION	QTY
1	4J0524	SEAL-----	1
2	1P4579	FLANGE-----	2
3	0S1585	BOLT-----	4
4	5P8245	WASHER-----	4
5	2G5979	HOSE AS.-----	1
6	4D4065	RDD END-----	1
7	1B4430	NUT-----	1
8	1A1460	BOLT-----	1
9	1K6872	LOCKNUT-----	1
10	7D1649	WASHER-----	1
11	307946	ELBOW-----	3
12	3J7354	SEAL-----	4
13	303279	HOSE AS.-----	1
14	454857	TEE-----	1
15	9D6855	HOSE AS.-----	2
16	267508	RDD-----	1
17	303284	HOSE AS.-----	1

5R6685 STEERING LINES GROUP - Part 2 of 4



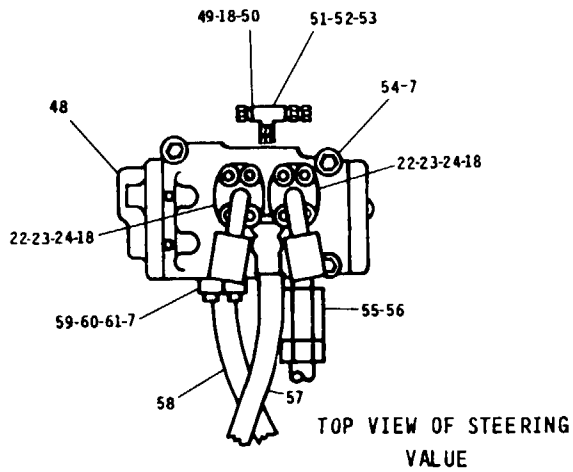
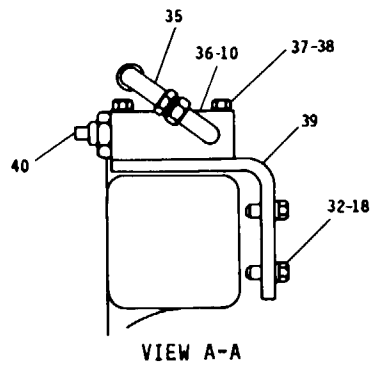
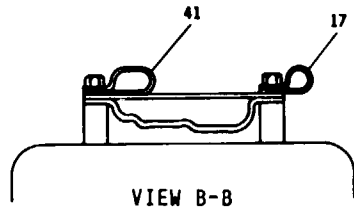
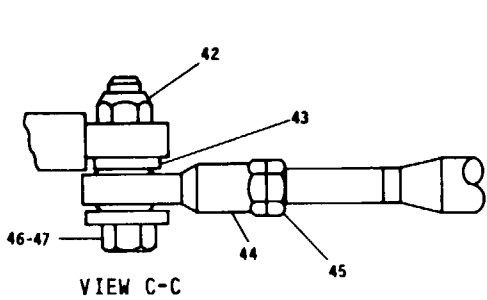
SEE PAGE 158
FOR VIEWS
A-A, B-B AND CC

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	307948	ELBOW-----	1
2	3K0360	SEAL-----	2

3	903689	TUBE AS.-----	1
4	4J0522	SEAL-----	1
5	1P4578	FLANGE-----	2
6	0T0772	BOLT-----	4
7	5P8244	WASHER-----	11
8	2P1314	CONNECTOR-----	4
9	307961	ELBOW-----	2
10	3J1907	SEAL-----	6
11	8M0505	CONNECTOR-----	1
12	7J4026	ELBOW-----	1
13	9D4290	HOSE AS.-----	1
14	303285	HOSE AS.-----	1
15	3S2093	STRAP-----	1
16	5T0287	HOSE AS.-----	1
17	8M2773	CLIP-----	2
18	5M2894	WASHER-----	35
19	5K9107	BOLT-----	1
20	669965	HOSE AS.-----	1
21	2G5978	HOSE AS.-----	1
22	4J5267	SEAL-----	4
23	1P4576	FLANGE-----	8
24	3B1915	BOLT-----	16
25	3N1294	ELBOW-----	1
26	1J9671	SEAL-----	1
27	2K3019	CLAMP-----	2
28	0S2307	SPACER-----	1
29	308537	BOLT-----	1
30	1D4717	NUT-----	1
31	3I5744	ELBOW-----	1
32	5D0353	BOLT-----	8
33	9D5153	SUPPORT-----	1
34	669966	HOSE AS.-----	1

5R6685 STEERING LINES GROUP - Part 3 of 4

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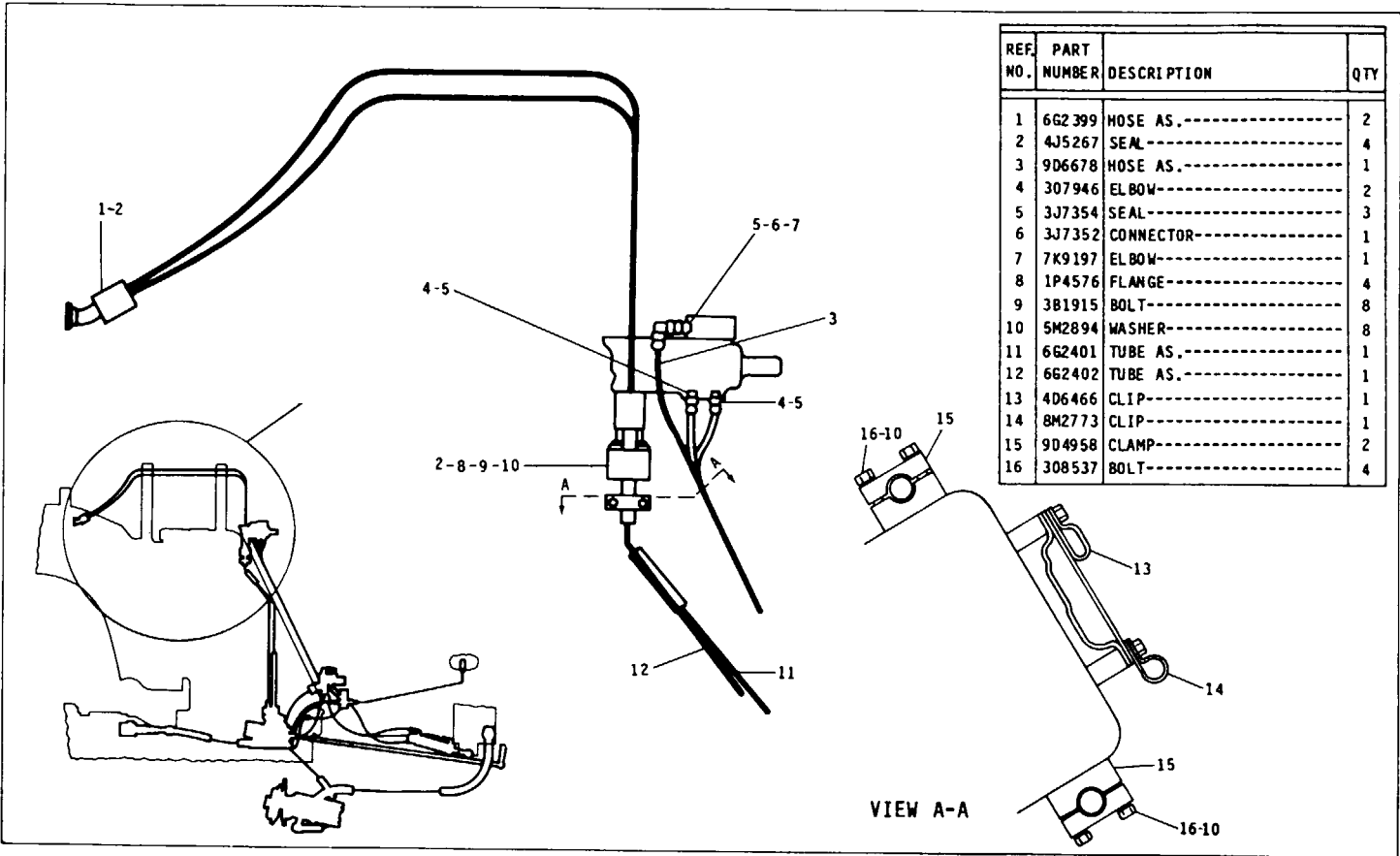


35	2V9301	HOSE AS.-----	1
36	307947	ELBOW-----	1
37	2B2694	BOLT-----	2
38	9M1974	WASHER-----	2
39	2G0166	ANGLE-----	1
40	3G7594	VALVE GP.-----	1
41	4D6466	CLIP-----	1
42	1K6872	LOCKNUT-----	1
43	2M0849	WASHER-----	1
44	4D4065	ROD END-----	1
45	184430	NUT-----	1
46	2B0947	BOLT-----	1
47	7D1649	WASHER-----	1
48	1U0325	VALVE GP.-----	1
49	8M4987	SEAL-----	1
50	0L1143	BOLT-----	4
51	854950	CAP-----	1
52	530700	TEE-----	1
53	2R6806	CONNECTOR-----	1
54	4B7220	BOLT-----	3
55	3G1212	VALVE-----	1
56	7M8485	SEAL-----	1
57	6G9962	TUBE AS.-----	1
58	6G9960	TUBE AS.-----	1
59	1P5761	FLANGE-----	2
60	1P3704	SEAL-----	1
61	0T0319	BOLT-----	4

CATERPILLAR 612B TRACTOR

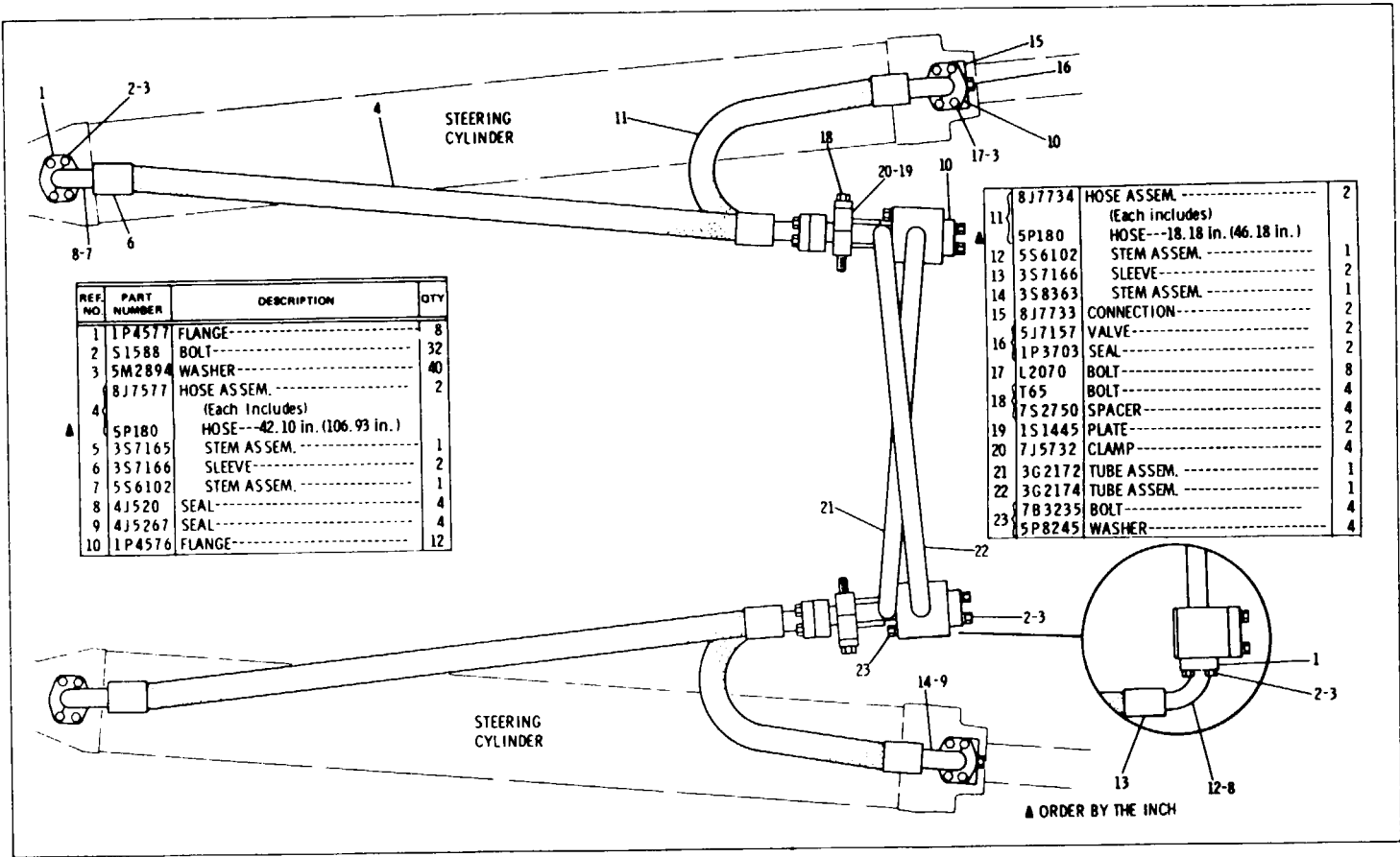
TM 5-3805-248-14&P-4

STEERING AND BRAKE SYSTEM



5R6685 STEERING LINES GROUP - Part 4 of 4

8J7730 STEERING LINES GROUP
160

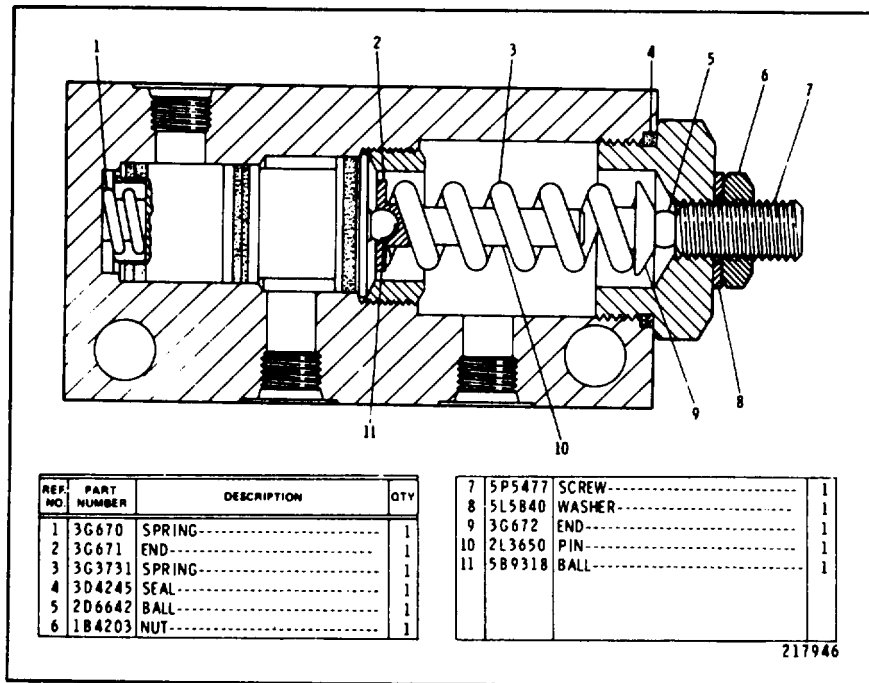


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1P4577	FLANGE	8
2	S1588	BOLT	32
3	5M2894	WASHER	40
4	8J7577	HOSE ASSEM. (Each Includes)	2
5	5P180	HOSE---42.10 in. (106.93 in.)	1
6	3S7165	STEM ASSEM.	2
7	5S6102	STEM ASSEM.	1
8	4J520	SEAL	4
9	4J5267	SEAL	4
10	1P4576	FLANGE	12

11	8J7734	HOSE ASSEM. (Each includes)	2
12	5P180	HOSE---18.18 in. (46.18 in.)	1
13	3S7166	STEM ASSEM.	2
14	3S8363	SLEEVE	1
15	8J7733	CONNECTION	2
16	5J7157	VALVE	2
17	1P3703	SEAL	2
18	L2070	BOLT	8
19	T65	BOLT	4
20	7S2750	SPACER	4
21	1S1445	PLATE	2
22	7J5732	CLAMP	4
23	3G2172	TUBE ASSEM.	1
	3G2174	TUBE ASSEM.	1
	7B3235	BOLT	4
	5P8245	WASHER	4

8J7730 STEERING LINES GROUP

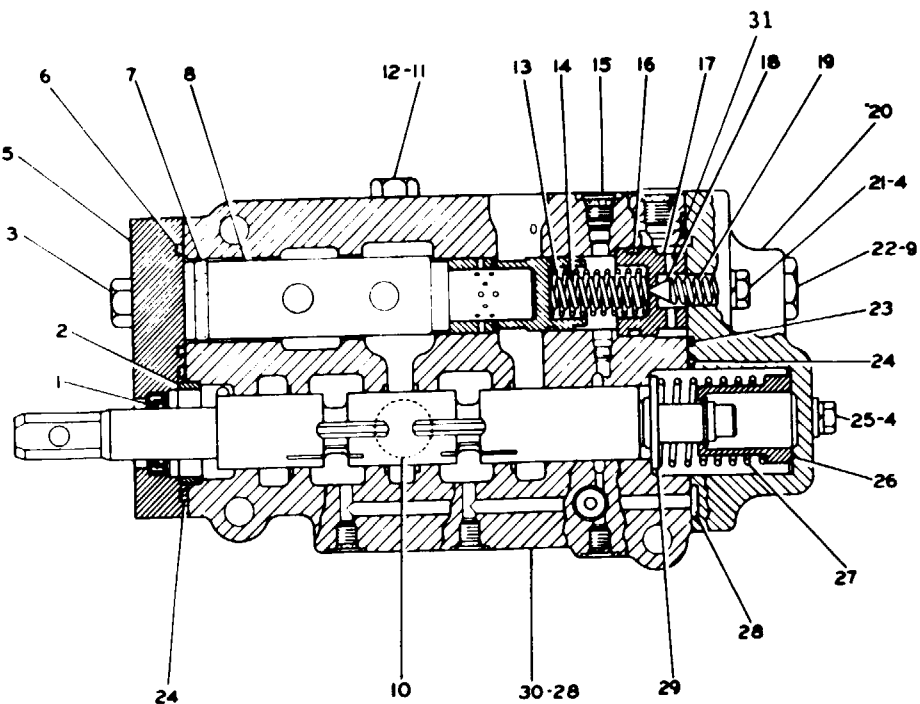
STEERING AND BRAKING SYSTEM



3G7594 PRESSURE REDUCING VALVE ASSEMBLY
 Part of 5R6685 Steering Lines Group shown on Page 159
 161

CATERPILLAR 621B TRACTOR

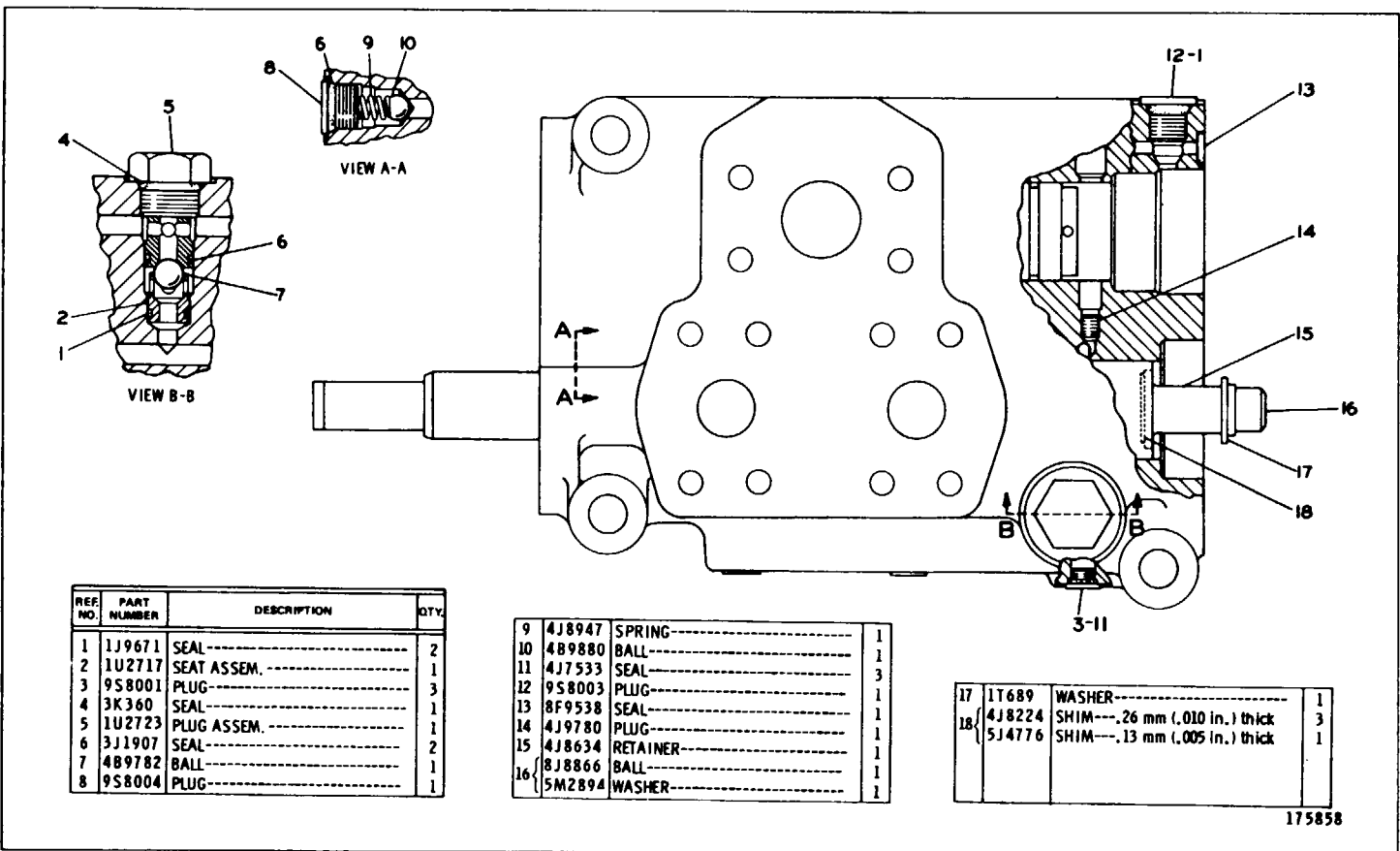
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4K4114	SEAL-----	1
2	4J7546	PILOT-----	1
3	51587	BOLT-----	4
4	9S201	WASHER-----	4
5	7J8056	COVER-----	1
6	4J522	SEAL-----	1
7	5F1678	SEAL-----	1
8	3G1725	SPACER-----	1
9	3J7473	SHIM----0.13 mm(.005 in.) thick	1
10	9S8006	PLUG-----	1
	2M9780	SEAL-----	1
11	9S4191	PLUG-----	2
12	3J1907	SEAL-----	2
13	2J6088	SPRING----- (outer)	1
14	4J7490	SPRING----- (inner)	1
15	9S8002	PLUG-----	1
16	3J7354	SEAL-----	1
17	4J519	SEAL-----	1
	1U490	VALVE GROUP (Includes)	1
18	1U487	SEAT-----	1
19	2J6089	SPRING-----	1
20	1U488	COVER-----	1
21	51585	BOLT-----	2
	9S4187	PLUG-----	1
22	3K360	SEAL-----	1
	3H2549	SHIM----0.26 mm (.010 in.) thick	4
23	6F711	SEAL-----	1
24	5F8000	SEAL-----	2
25	4K4937	BOLT-----	2
26	8J2323	RETAINER-----	1
27	5J9338	SPRING-----	1
28	4J5309	SEAL-----	3
29	7J2927	WASHER-----	1
30	1U324	VALVE GROUP (Separate Illustration)	1
31	1U489	PILOT-----	1



1U325 STEERING VALVE GROUP

Part of 5R6685 Steering Lines Group shown on Page 157

1U324 Valve parts are shown on Page 163



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	1J9671	SEAL-----	2
2	1U2717	SEAT ASSEM.-----	1
3	9S8001	PLUG-----	3
4	3K360	SEAL-----	1
5	1U2723	PLUG ASSEM.-----	1
6	3J1907	SEAL-----	2
7	4B9782	BALL-----	1
8	9S8004	PLUG-----	1

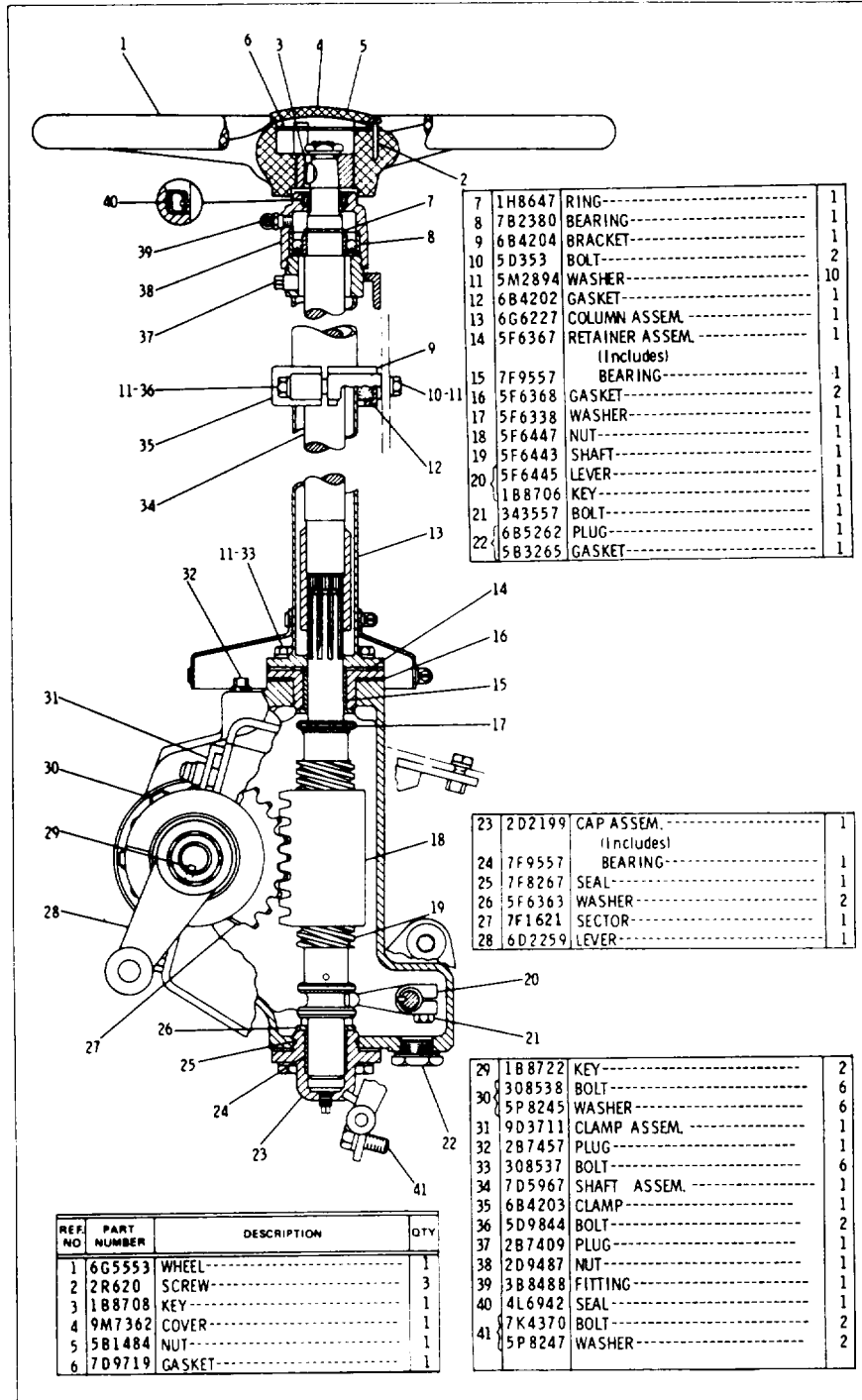
9	4J8947	SPRING-----	1
10	4B9880	BALL-----	1
11	4J7533	SEAL-----	3
12	9S8003	PLUG-----	1
13	8F9538	SEAL-----	1
14	4J9780	PLUG-----	1
15	4J8634	RETAINER-----	1
16	8J8866	BALL-----	1
	5M2894	WASHER-----	1

17	1T689	WASHER-----	1
18	4J8224	SHIM---, 26 mm (.010 in.) thick	3
	5J4776	SHIM---, 13 mm (.005 in.) thick	1

175858

1U324 VALVE GROUP
Part of 1U325 Steering Valve Group shown on Page 162

CATERPILLAR 621B TRACTOR



7	1H8647	RING-----	1
8	7B2380	BEARING-----	1
9	6B4204	BRACKET-----	1
10	5D353	BOLT-----	2
11	5M2894	WASHER-----	10
12	6B4202	GASKET-----	1
13	6G6227	COLUMN ASSEM-----	1
14	5F6367	RETAINER ASSEM-----	1
(Includes)			
15	7F9557	BEARING-----	1
16	5F6368	GASKET-----	2
17	5F6338	WASHER-----	1
18	5F6447	NUT-----	1
19	5F6443	SHAFT-----	1
20	5F6445	LEVER-----	1
	1B8706	KEY-----	1
21	343557	BOLT-----	1
	6B5262	PLUG-----	1
22	5B3265	GASKET-----	1

23	2D2199	CAP ASSEM-----	1
(Includes)			
24	7F9557	BEARING-----	1
25	7F8267	SEAL-----	1
26	5F6363	WASHER-----	2
27	7F1621	SECTOR-----	1
28	6D2259	LEVER-----	1

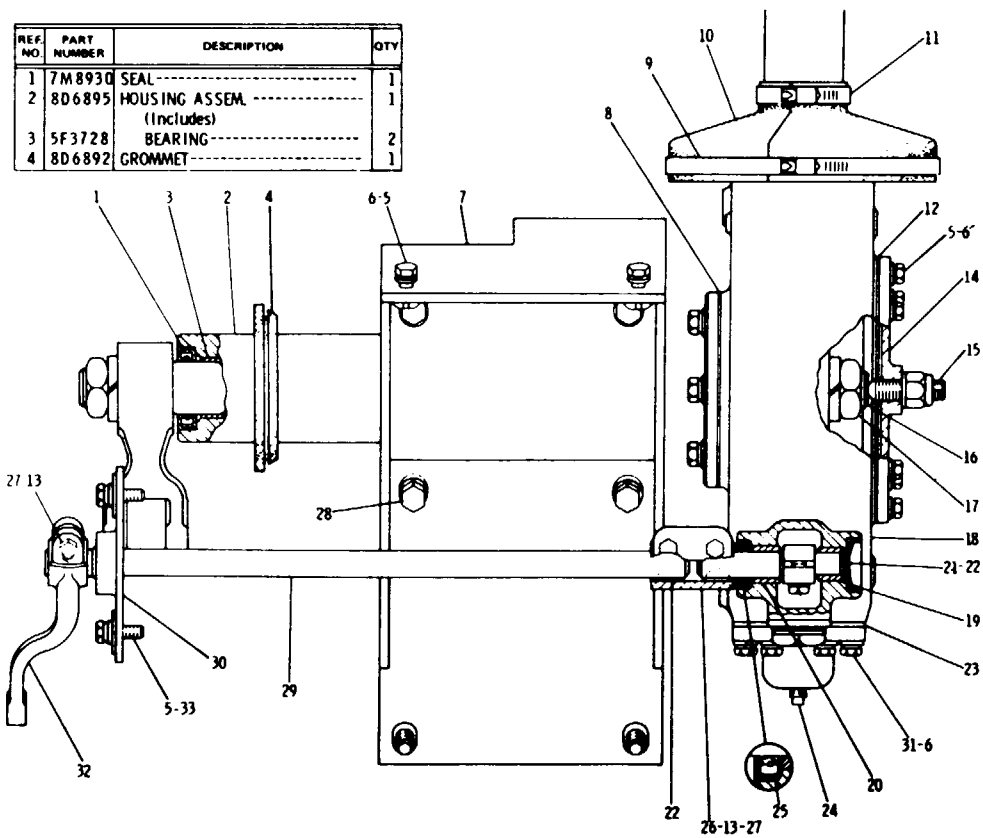
29	1B8722	KEY-----	2
30	308538	BOLT-----	6
	5P8245	WASHER-----	6
31	9D3711	CLAMP ASSEM-----	1
32	2B7457	PLUG-----	1
33	308537	BOLT-----	6
34	7D5967	SHAFT ASSEM-----	1
35	6B4203	CLAMP-----	1
36	5D9844	BOLT-----	2
37	2B7409	PLUG-----	1
38	2D9487	NUT-----	1
39	3B8488	FITTING-----	1
40	4L6942	SEAL-----	1
	7K4370	BOLT-----	2
41	5P8247	WASHER-----	2

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6G5553	WHEEL-----	1
2	2R620	SCREW-----	3
3	1B8708	KEY-----	1
4	9M7362	COVER-----	1
5	5B1484	NUT-----	1
6	7D9719	GASKET-----	1

8D6901 STEERING GEAR GROUP - Part 1 of 2

8D6901 STEERING GEAR GROUP - Part 1 of 2
165

REF NO	PART NUMBER	DESCRIPTION	QTY
1	7M8930	SEAL	1
2	8D6895	HOUSING ASSEM (Includes BEARING)	1
3	5F3728	BEARING	2
4	8D6892	GROMMET	1

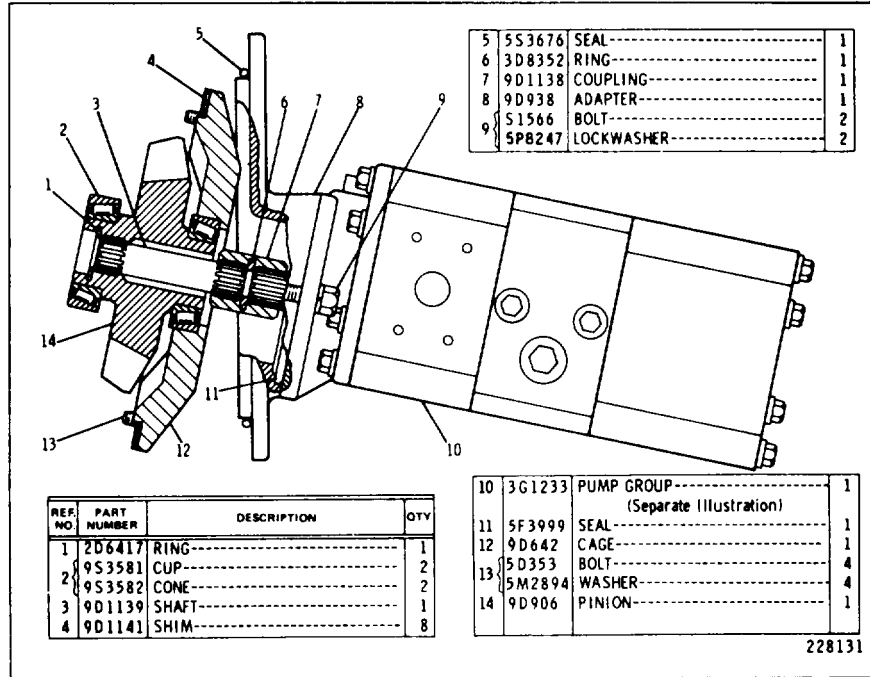


5	5D353	BOLT	14
6	5M2894	WASHER	18
7	8D6898	SUPPORT ASSEM	1
8	5F6545	GASKET	1
9	5P4869	CLAMP	1
10	8D4979	BOOT	1
11	2J6540	CLAMP	1
12	5F5552	GASKET	1
13	S1571	BOLT	3
14	5F5551	COVER	1
15	6K5550	SCREW	1
16	2H3789	NUT	1
17	L1213	GASKET	1
18	8D6888	SHAFT	1
19	L702	NUT	2
20	3B4518	LOCKWASHER	2
21	2G1736	HOUSING	1
22	5H4279	PLUG	1
23	9D5637	BEARING	1
24	7F9559	BEARING	1
25	5F6393	SHAFT	1
26	1B8706	KEY	3
27	9M5552	SHIM	12
28	2B7408	PLUG	1
29	7B280	SEAL	1
30	2G2149	COUPLING	1
31	1D4717	NUT	3
32	7K4370	BOLT	4
33	5P8247	WASHER	4
	2G2137	SHAFT	1
	8D6896	PLATE ASSEM	1
	9M3914	BEARING	1
	343557	BOLT	6
	4D1688	LEVFR	1
	6N8863	WASHER	2

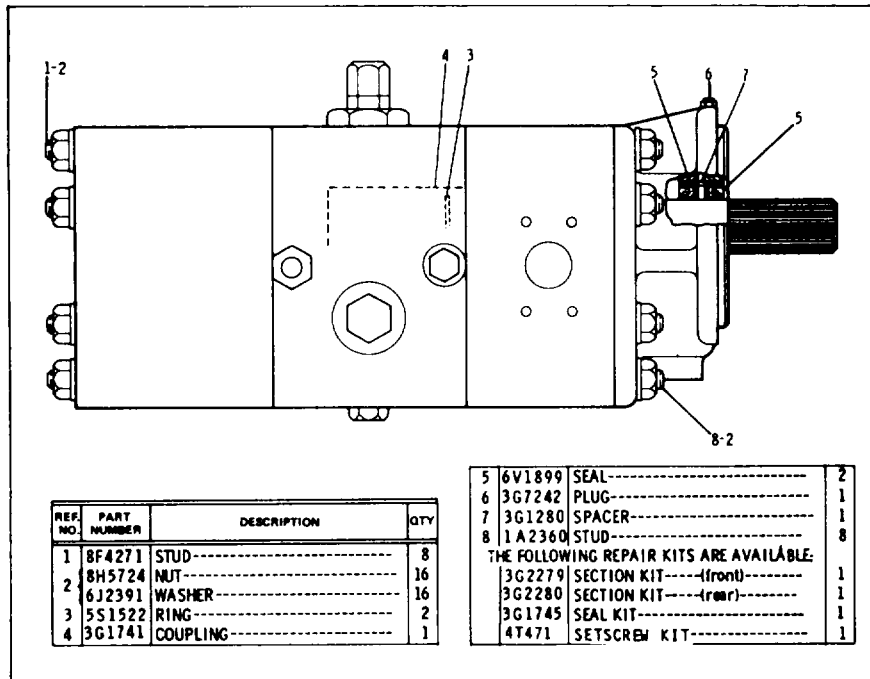
174269

STEERING AND BRAKING SYSTEM

CATERPILLAR 621B TRACTOR

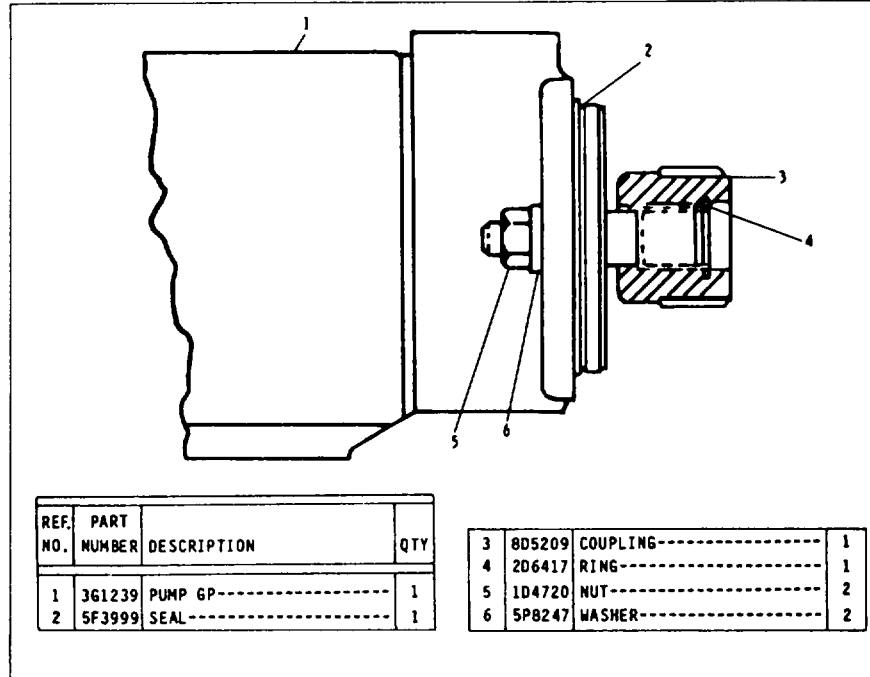


5R6688 GEAR PUMP GROUP
361233 Pump parts are shown below



361233 PUMP GROUP
Part of 5R6688 Gear Pump Group shown above

STEERING AND BRAKING SYSTEM

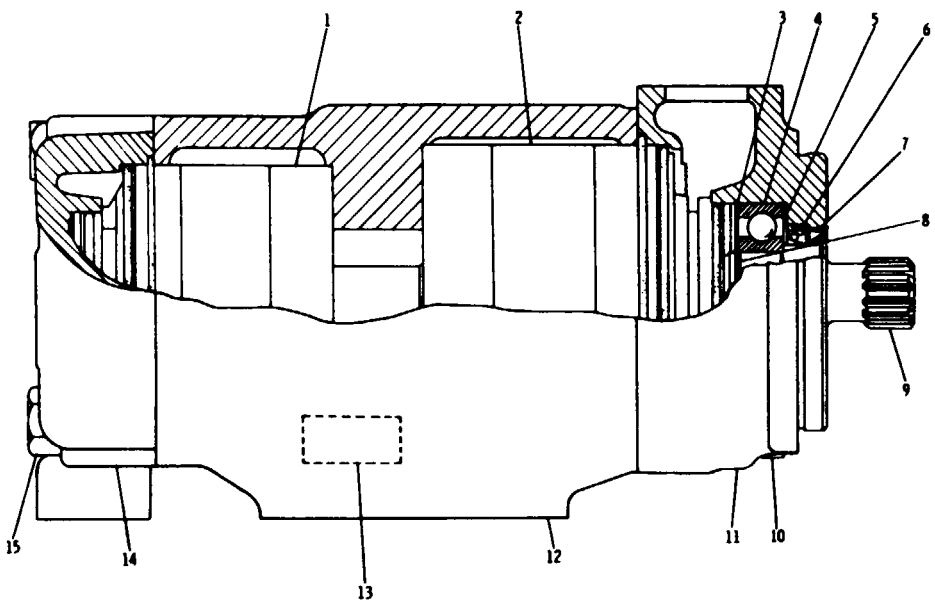


5R6687 DOUBLE VANE PUMP GROUP
 361239 Vane Pump shown on Page 168
 167

CATERPILLAR 621B TRACTOR

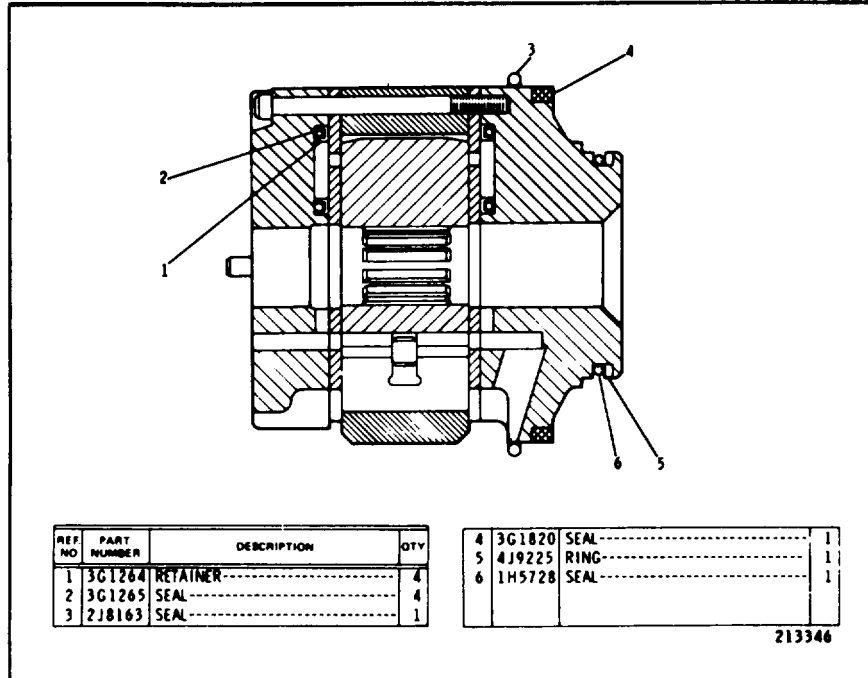
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	3G2834	CARTRIDGE ASSEM. ----- 95 LPM(25 GPM) (Separate Illustration)	1
2	3G7656	CARTRIDGE ASSEM. ----- 189 LPM(49, 92 GPM) (Separate Illustration)	1
3	3J7719	RING-----	1
4	3L1425	BEARING-----	1
5	2J7763	WASHER-----	1
6	5P904	SEAL-----	1
7	6V2318	SEAL-----	1
8	1J6474	RING-----	1
9	9J5099	SHAFT-----	1
10	3G7242	PLUG-----	1
11	1U3968	BODY-----	1
12	8J1578	COVER ASSEM. (Includes)	1
13	7J8080	DAMPER-----	8
14	4J7781	COVER-----	1
15	4J7945	BOLT-----	4
THE FOLLOWING REPAIR KITS ARE AVAILABLE:			
	1U380	FLEX PLATE KIT----(small)-----	1
	1U381	FLEX PLATE KIT----(large)-----	1

179134

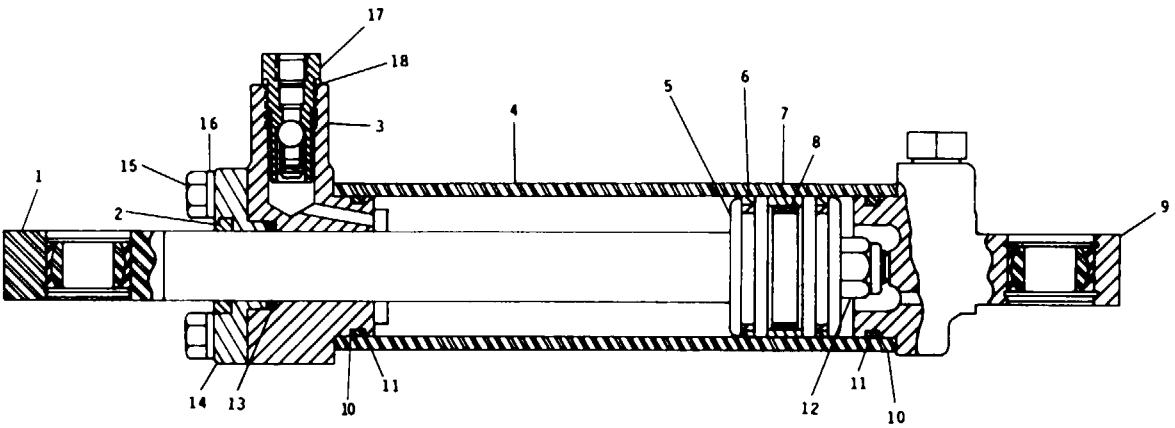


3G1239 VANE PUMP GROUP - Type 2
 Part of 5R6687 Steering Vane Pump Group shown on Page 167
 3G2834 and 3G656 Cartridge parts are shown on Pages 169 and 201
 168

STEERING AND BRAKING SYSTEM



3G2834 CARTRIDGE GROUP-95 L/min (25 gpm)
 Part of 3G1239 Vane Pump Group shown on Pages 168
 169



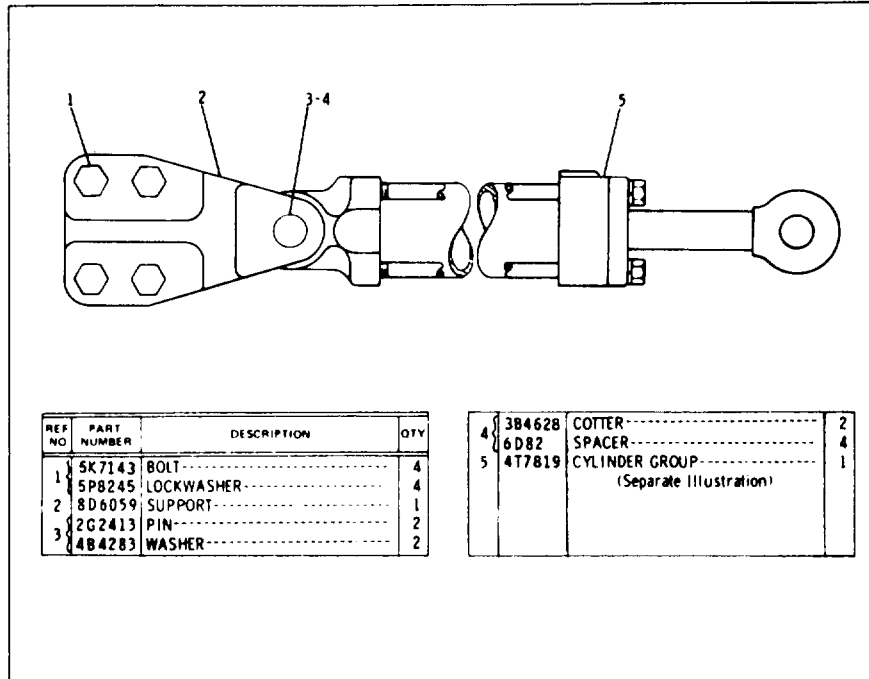
REF NO.	PART NUMBER	DESCRIPTION	QTY
1	5J7945	ROD AS.-----	1
2	6J1890	WIPER-----	1
3	5J8122	HEAD-----	1
4	5J7915	TUBE-----	1

5	5J7914	PISTON-----	1
6	5J7004	SEAL AS.-----	2
7	5J7942	RING-----	1
8	4F7952	RING-----	2
9	5J8119	HEAD-----	1
10	1S0670	RING-----	2
11	1H9696	SEAL-----	2

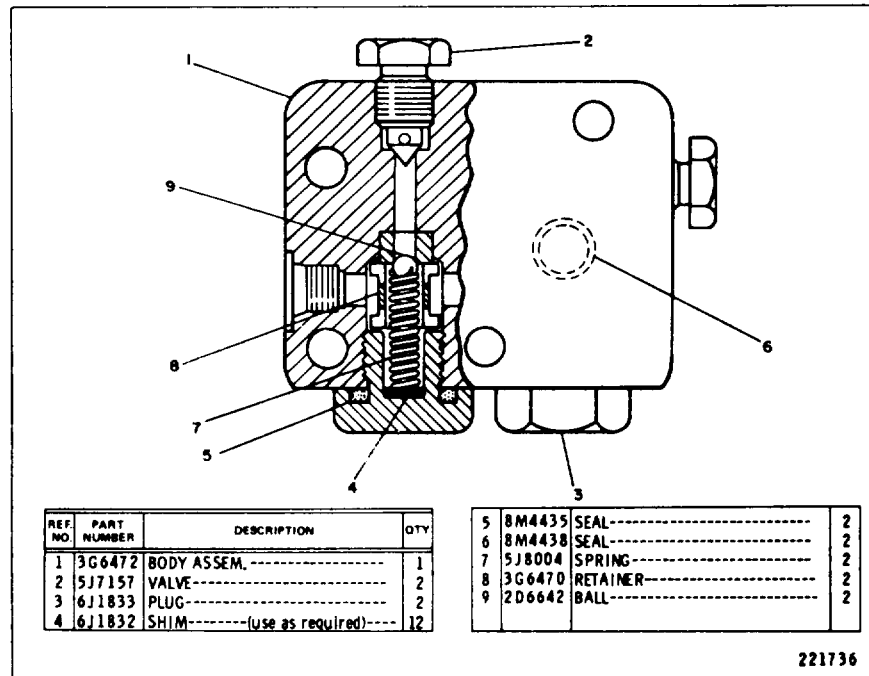
12	2H3788	NUT-----	1
13	6J1889	SEAL-----	1
14	5J7943	RETAINER-----	1
15	6J0934	BOLT-----	4
16	5M2894	WASHER-----	4
17	4T7930	CARTRIDGE 6P-----	2
18	3K0360	SEAL-----	2

226116

STEERING AND BRAKING SYSTEM

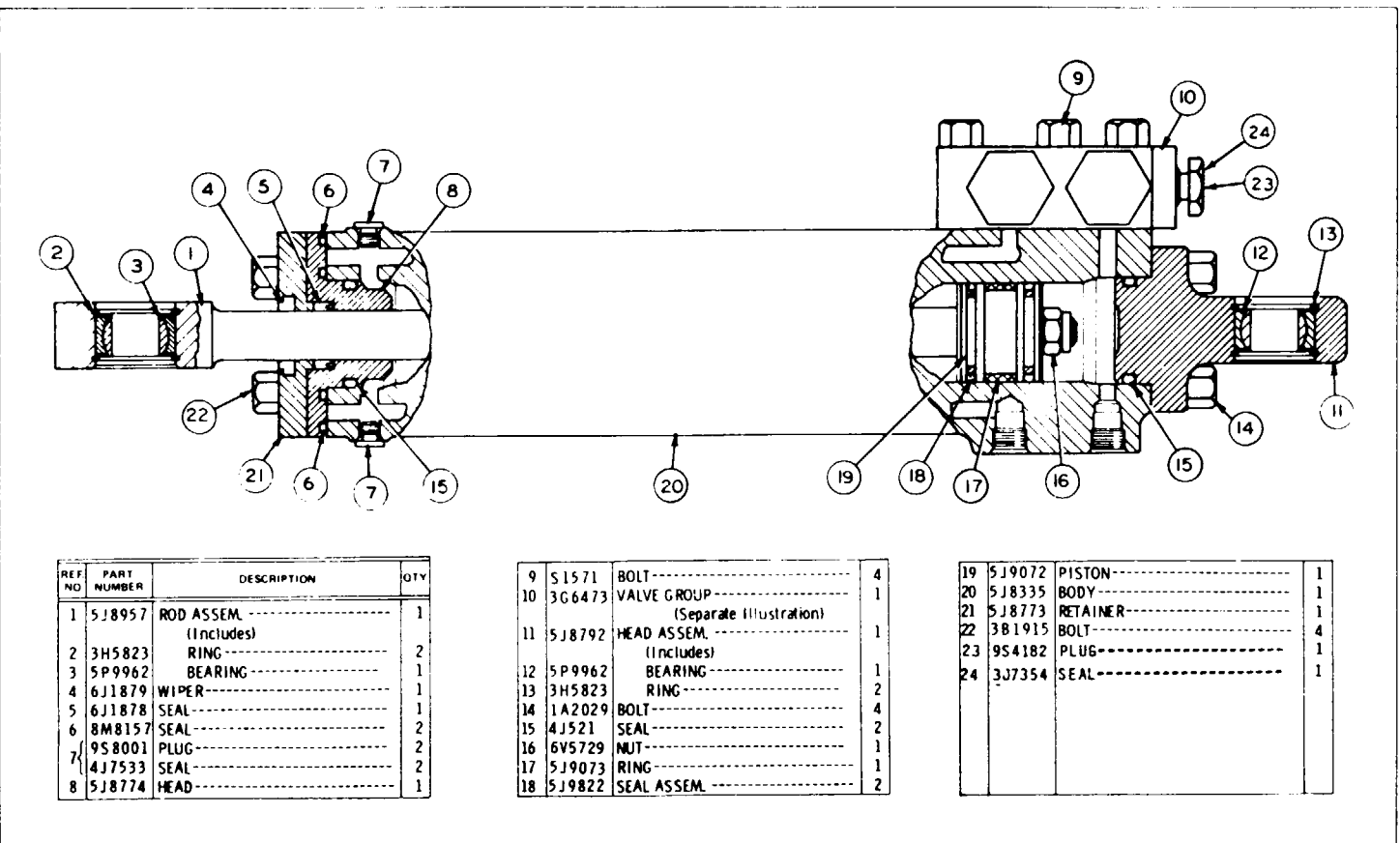


806900 STEERING SERVO-RECEIVER MOUNTING AND CYLINDER GROUP
4T7819 Cylinder parts are shown on Page 170



3G6473 RELIEF VALVE GROUP
Part of 3G6904 Steering Cylinder Group shown on Page 172

CATERPILLAR 621B TRACTOR



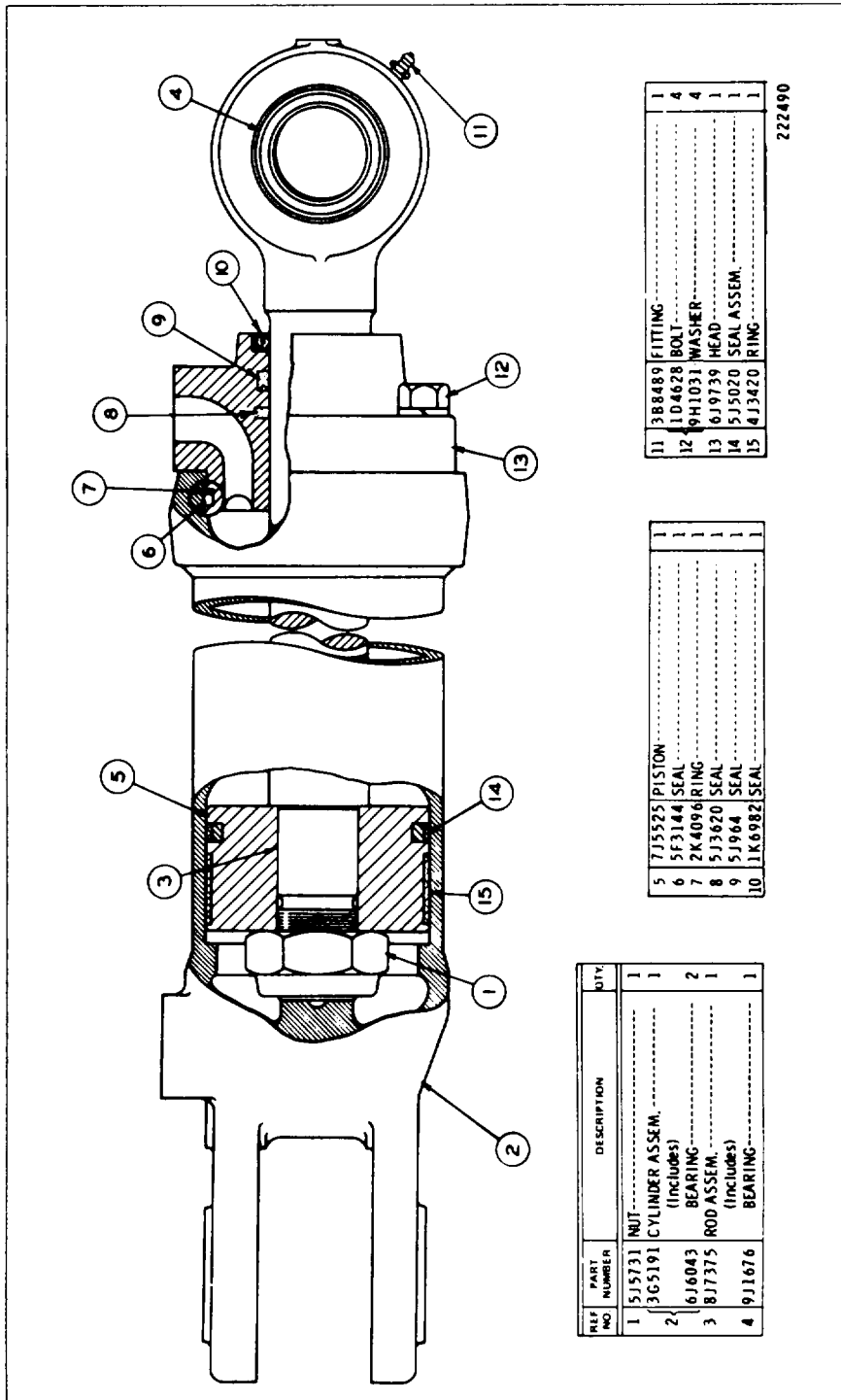
REF NO	PART NUMBER	DESCRIPTION	QTY
1	5J8957	ROD ASSEM. (Includes)	1
2	3H5823	RING	2
3	5P9962	BEARING	1
4	6J1879	WIPER	1
5	6J1878	SEAL	1
6	8M8157	SEAL	2
7	9S8001	PLUG	2
	4J7533	SEAL	2
8	5J8774	HEAD	1

9	S1571	BOLT	4
10	3G6473	VALVE GROUP (Separate illustration)	1
11	5J8792	HEAD ASSEM. (Includes)	1
12	5P9962	BEARING	1
13	3H5823	RING	2
14	1A2029	BOLT	4
15	4J521	SEAL	2
16	6V5729	NUT	1
17	5J9073	RING	1
18	5J9822	SEAL ASSEM.	2

19	5J9072	PISTON	1
20	5J8335	BODY	1
21	5J8773	RETAINER	1
22	3B1915	BOLT	4
23	9S4182	PLUG	1
24	3J7354	SEAL	1

3G6404 STEERING CYLINDER GROUP - (Change 0-2)-38.1 mm (1.5 in.) Bore x 238.76 (9.4 in Stroke
 3G6473 Valve parts are shown on Page 171

STEERING AND BRAKING SYSTEM



REF NO	PART NUMBER	DESCRIPTION	QTY
1	515731	NUT	1
2	3G5191	CYLINDER ASSEM. (Includes BEARING)	1
3	6J6043	BEARING	2
3	8J7375	ROD ASSEM. (Includes BEARING)	1
4	9J1676	BEARING	1

5	7J5525	PISTON	1
6	5F3144	SEAL	1
7	2K4096	RING	1
8	5J3620	SEAL	1
9	5J964	SEAL	1
10	1K6982	SEAL	1

11	3B8489	FITTING	1
12	1D4628	BOLT	4
12	9H1031	WASHER	4
13	6J9739	HEAD	1
14	5J5020	SEAL ASSEM.	1
15	4J3420	RING	1

222490

3G5192 STEERING CYLINDER GROUP-(Change 0-1)-127mm (5 in.)
Bore x 1127.8mm (44.40 in.) Stroke-2 Required

CATERPILLAR 621B TRACTOR

2-7B176-BUSHING
 1-6G6608-HOSE
 44-4D6579-STUD
 1-1H7365-HANDLE
 1-3B8153-PIN
 4-5P0597-CLAMP
 1-3B4617-COTTER
 1-1H7366-ROD
 1-1B0676-PIN
 1-3B4615-COTTER
 2-2D8153-STUD
 1-1B9920-SPRING
 6-9L9132-WASHER
 6-7D2838-STUD
 2-2D9345-STUD
 2-8D8829-BEARING
 2-4K7463-SEAL
 18-3D8439-STUD

2-2G7757-STEP AS.
 4-1D4719-NUT
 1-2G5966-PLATE AS
 1-0S1577-BOLT
 42-5D353-BOLT
 1-9S8184-PIN AS
 1-5H2168-LATCH
 1-5T3150-CASE & FRAME AS.
 1-1L8444-TEE
 1-1L8444-TEE
 1-8D4580-PLATE AS
 1-6G2654-COVER AS.
 1-6G6554-ELBOW
 1-5T4232-BOX AS
 1-8D4640-PLATE AS.
 1-2K4821-LOCKNUT
 1-4D0307-CAP
 1-4D0306-GASKET

5R6673 FRAME AND CASE GROUP - Part 1 of 3

CHASSIS

4-3D0490-STUD	1-6F5188-SEAL
10-2J3118-BOLT	2-6G0078-BREATHER
2-8B6599-PLUG	1-8B2664-BUSHING
2-0L1124-GASKET	1-3P2021-NIPPLE
2-6G6626-RETAINER	2-5M1932-STUD
1-6G6626-RETAINER	1-3G6659-HOSE AS.
2-6G6609-SEAL	1-3B7745-NIPPLE
2-5T3059-LENS	1-8L7971-CROSS
1-6G6613-PLATE	1-5V5476-HOSE AS
1-6G6612-PLATE	1-5T0722-GASKET
47-5M2894-WASHER	1-5P8501-PADLOCK
4-9K6285-BAR	1-5R6726-PLATE AS.
2-8J7596-BEARING	2-3D0490-STUD
8-5K7143-BOLT	1-5R6727-PLATE AS.
13-5P8245-WASHER	
4-2G7756-CLAMP	
1-4D0309-CAP	

5R6673 FRAME AND CASE GROUP - Part 2 of 3

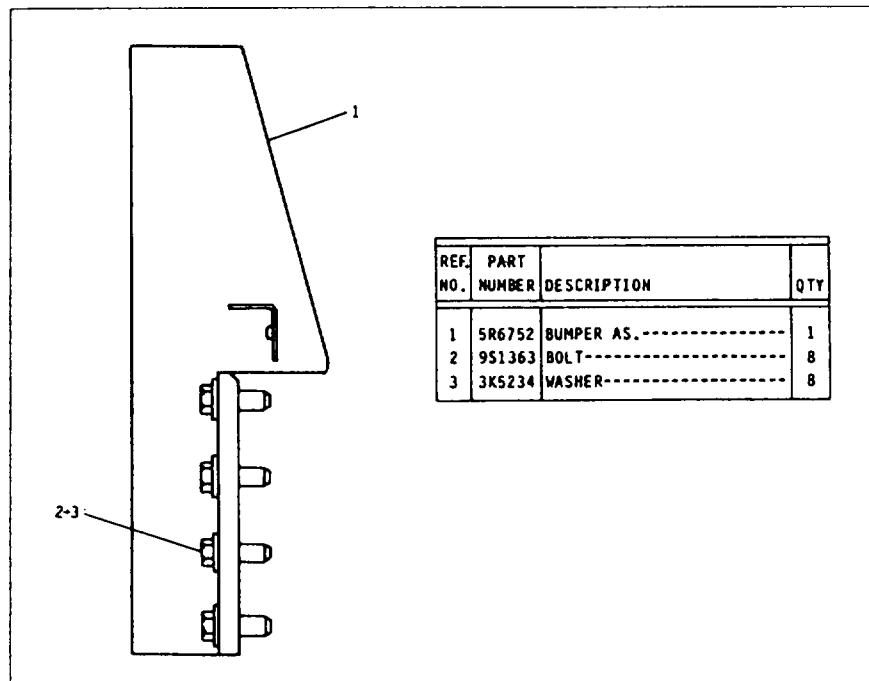
CATERPILLAR 621B TRACTOR

Consists of :

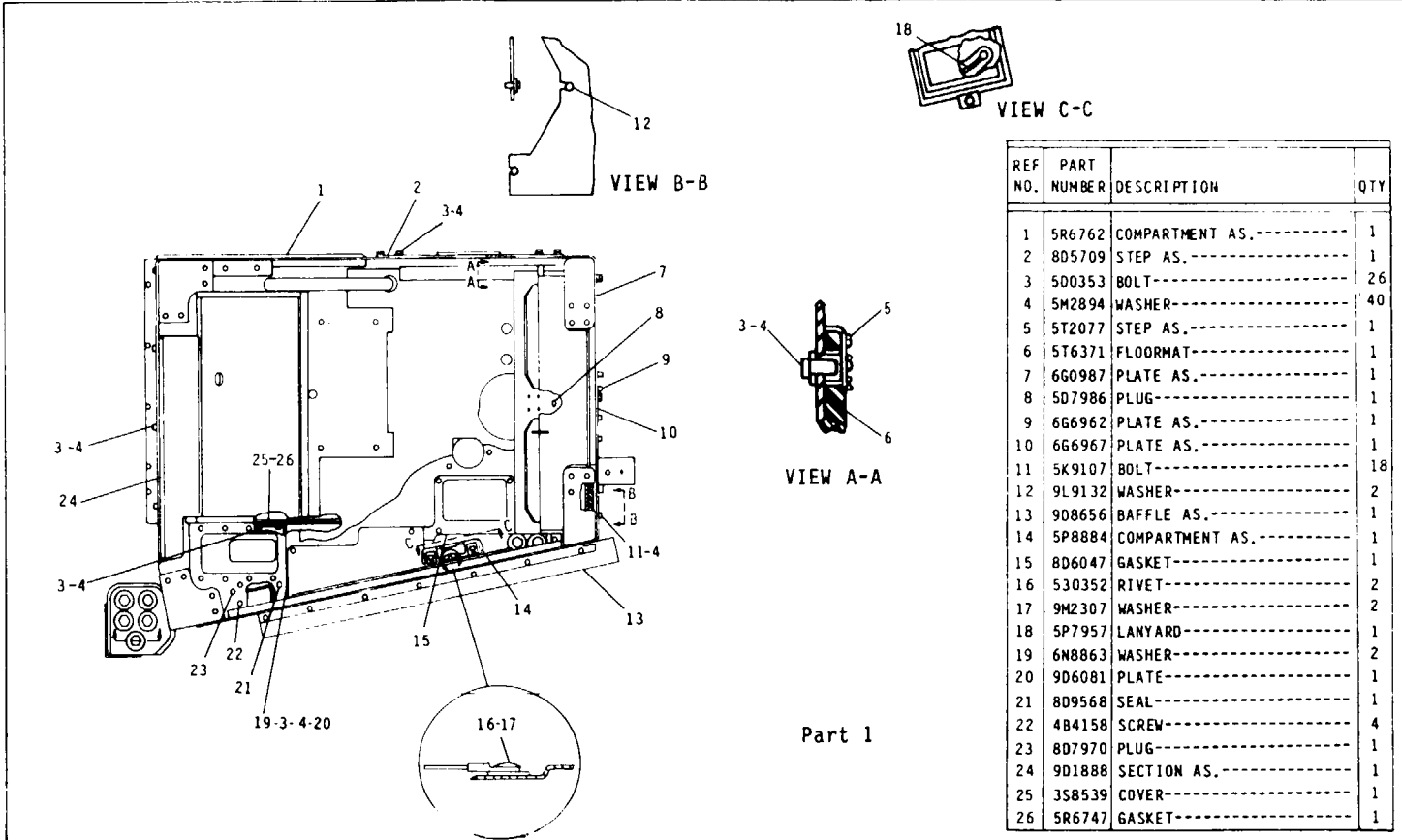
1-5K9107-BLOT
1-9L9132-WASHER
1-5P8501-PADLOCK
1-5R6725-PLATE AS.
1-5R6724-LID AS.
2-5R6721-PLATE AS
4-352017-SCREW
1-5P8501-PADLOCK

5R6673 FRAME AND CASE GROUP - Part 3 of 3

CHASSIS

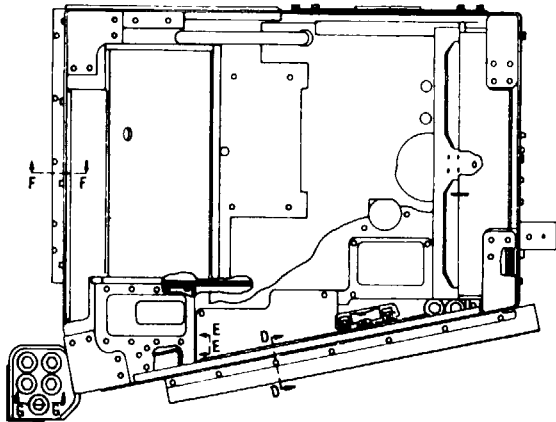
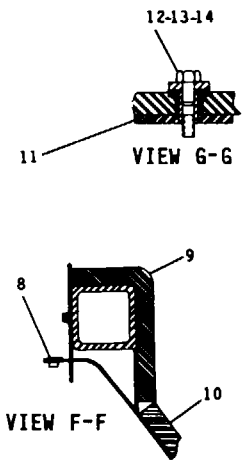


5R6750 FRONT BUMPER GROUP

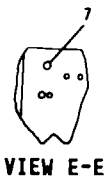
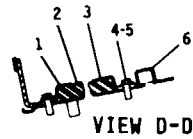


REF NO.	PART NUMBER	DESCRIPTION	QTY
1	5R6762	COMPARTMENT AS.-----	1
2	805709	STEP AS.-----	1
3	500353	BOLT-----	26
4	5M2894	WASHER-----	40
5	5T2077	STEP AS.-----	1
6	5T6371	FLOORMAT-----	1
7	6G0987	PLATE AS.-----	1
8	5D7986	PLUG-----	1
9	6G6962	PLATE AS.-----	1
10	6G6967	PLATE AS.-----	1
11	5K9107	BOLT-----	18
12	9L9132	WASHER-----	2
13	908656	BAFFLE AS.-----	1
14	5P8884	COMPARTMENT AS.-----	1
15	8D6047	GASKET-----	1
16	530352	RIVET-----	2
17	9M2307	WASHER-----	2
18	5P7957	LANYARD-----	1
19	6N8863	WASHER-----	2
20	9D6081	PLATE-----	1
21	8D9568	SEAL-----	1
22	4B4158	SCREW-----	4
23	8D7970	PLUG-----	1
24	9D1888	SECTION AS.-----	1
25	3S8539	COVER-----	1
26	5R6747	GASKET-----	1

5R6674 OPERATOR COMPARTMENT GROUP - Part 1 of 3

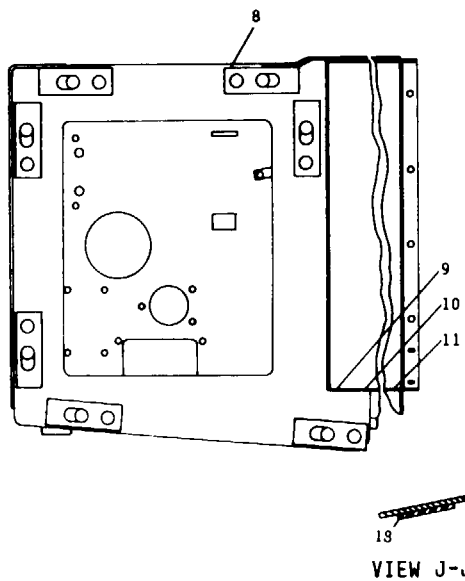
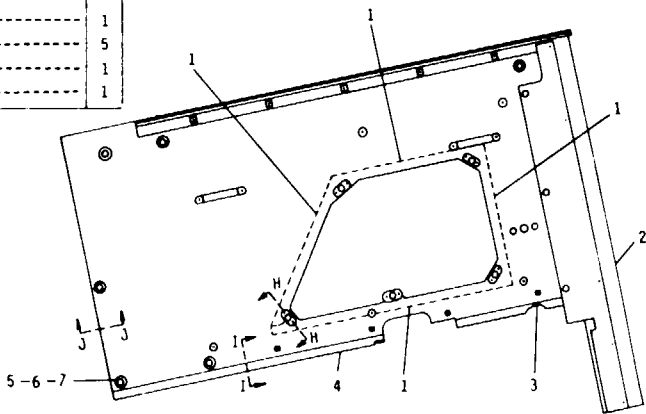
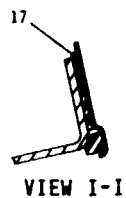
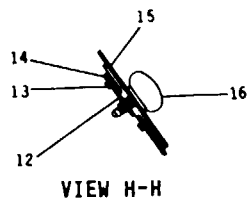


REF NO.	PART NUMBER	DESCRIPTION	QTY
1	5T6324	SUPPORT-----	1
2	5T6325	LINER-----	1
3	5T6323	SUPPORT-----	1
4	5D0353	BOLT-----	5
5	5M2894	WASHER-----	5
6	9D1737	SUPPORT-----	1
7	264815	PLUG-----	1
8	8D6045	STRIP-----	1
9	265568	LINER-----	1
10	265566	LINER-----	1
11	8D6028	PAD-----	1
12	805705	MOUNTING-----	19
13	667017	WASHER-----	19
14	3B2968	BOLT-----	19



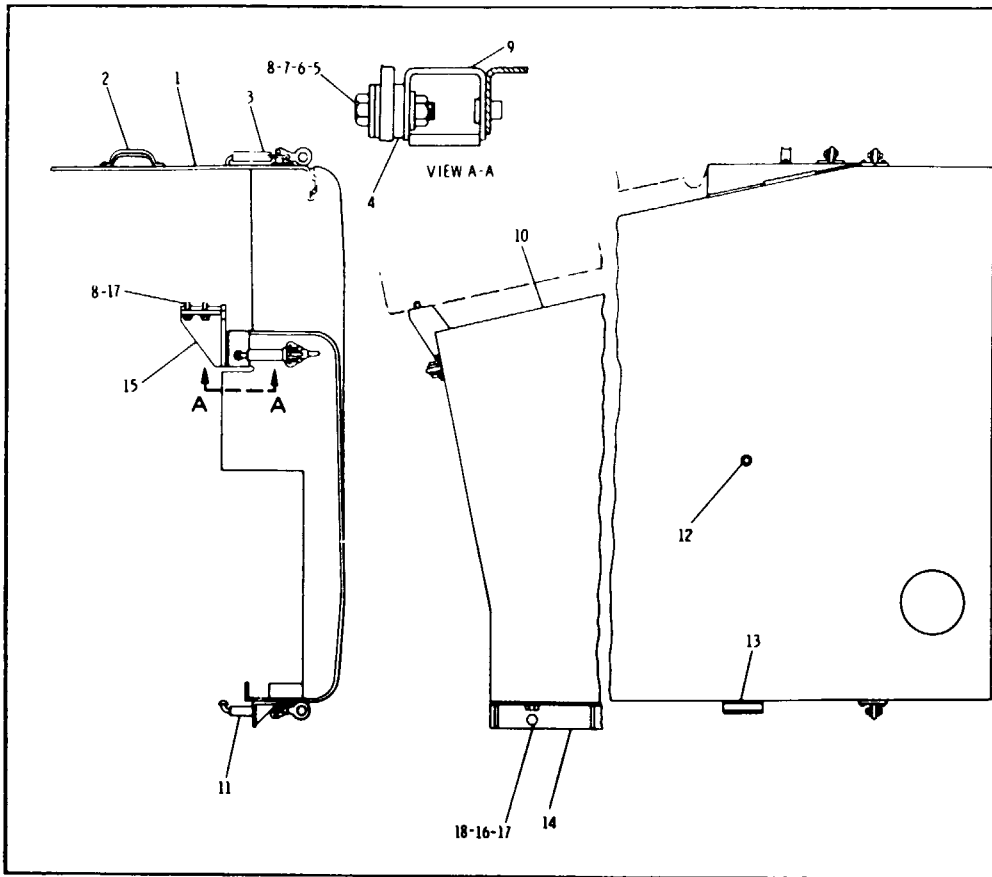
CATERPILLAR 621B TRACTOR

REF NO.	PART NUMBER	DESCRIPTION	QTY
1	5P0801	SEAL(430 IN., 430 IN., 330 IN., 660 IN.)-----	4
2	808037	BAFFLE AS-----	1
3	5P0806	SEAL(330 IN., 755 IN.)---	2
4	806032	PANEL AS-----	1
5	500353	BOLT-----	9
6	5M2894	WASHER-----	9
7	6M8863	WASHER-----	6
8	661046	STRIP-----	7
9	269733	STRIP-----	1
10	269732	STRIP-----	1
11	269731	STRIP-----	1
12	2R2376	WASHER-----	5
13	8L7905	RIVET-----	10
14	7K4201	NUT-----	5
15	903049	PLATE-----	1
16	3R5742	THUMBSCREW-----	5
17	806036	GASKET-----	1
18	806037	GASKET-----	1

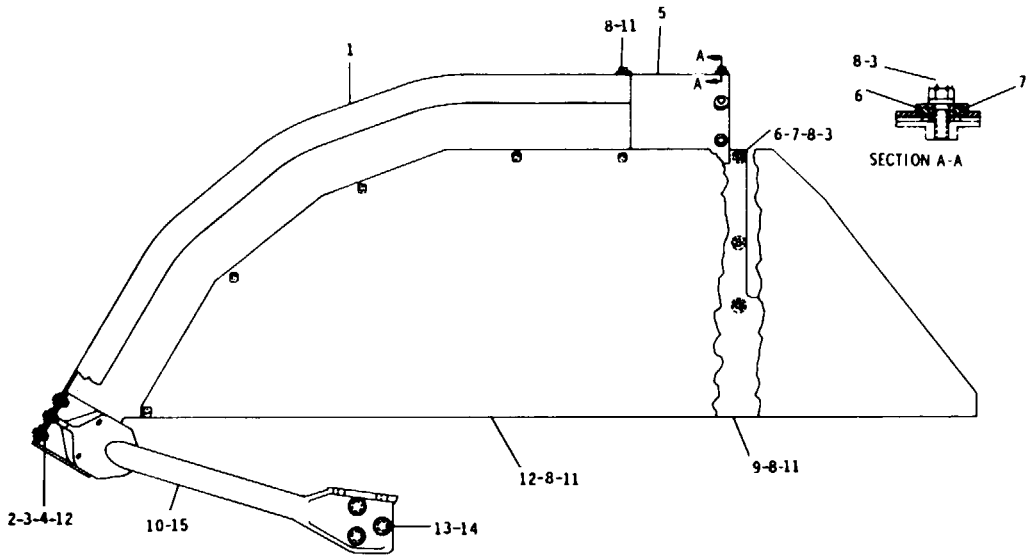


5R6674 OPERATOR COMPARTMENT GROUP - Part 3 of 3

6G7890 HOOD GROUP



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	5T2732	DOOR ASSEM. -----	1
		(Includes)	
	6F7013	HANDLE-----	1
2	3D2735	PLATE-----	1
	4B4311	RIVET-----	2
	T537	FASTENER ASSEM.-----	1
3	2D9335	PLATE-----	1
	4B4312	RIVET-----	3
4	1P7115	GROMMET ASSEM.-----	2
5	308537	BOLT-----	2
6	1D4717	NUT-----	2
7	6N8863	WASHER----- (large)	2
8	5M2894	WASHER----- (small)	4
9	9D3755	BRACKET ASSEM.-----	1
10	6G8007	HOOD ASSEM.-----	1
		(Includes)	
	T537	FASTENER ASSEM.-----	3
11	2D9335	PLATE-----	1
	9M5732	RIVET-----	9
12	8K8402	LUG-----	2
13	2D2946	HINGE-----	1
14	6G7899	ANGLE ASSEM.-----	1
15	8D7773	BRACKET ASSEM.-----	1
16	9L9132	WASHER----- (small)	8
17	308535	BOLT-----2.22 cm(.875 in.) long---	10
18	8M4069	WASHER----- (large)	8



6G6945 FENDER GROUP TRACTOR 2 WHEEL

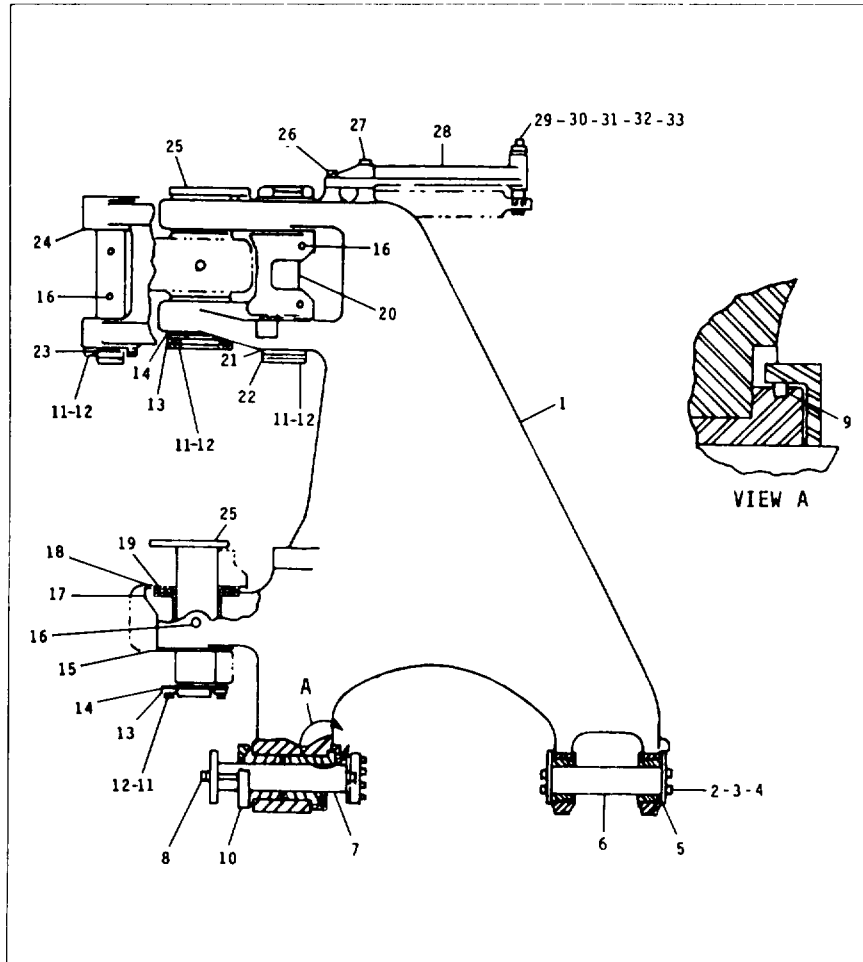
182

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	8D6086	FENDER AS.-----	1
2	2J3118	BOLT-----	18
3	5M2894	WASHER-----	26

4	1D4717	NUT-----	14
5	8D6073	FENDER AS.-----	1
6	5M6708	WASHER-----	12
7	8D6085	SPACER-----	12
8	5D353	BOLT-----	27
9	6G3317	SHIELD AS.-----	1

10	666641	BRACKET AS.-----	1
11	6N8863	WASHER-----	33
12	8D6088	SHIELD AS.-----	1
13	2J3505	NUT-----	6
14	5P8249	WASHER-----	6
15	666642	BRACKET AS.-----	1

CHASSIS

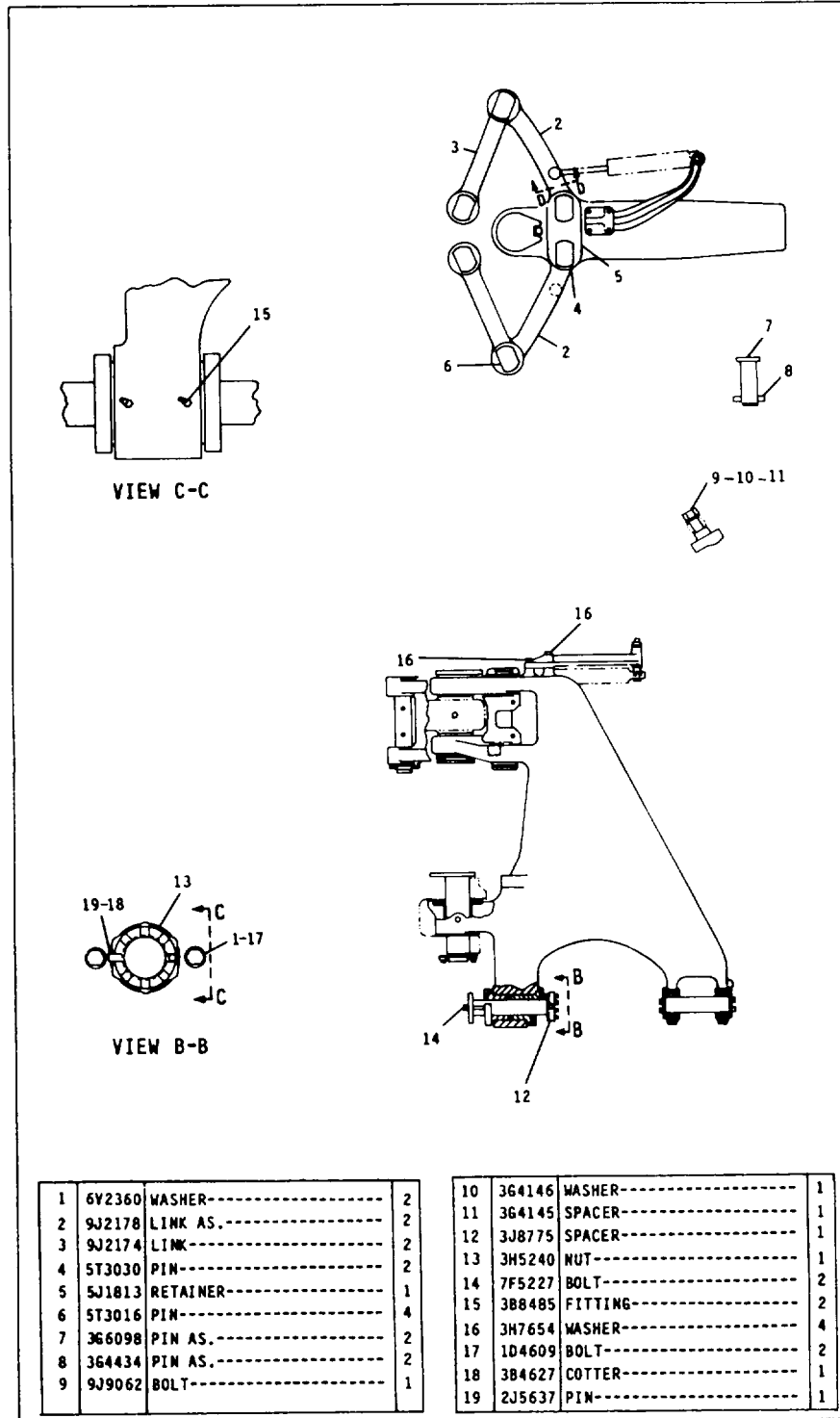


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	666896	FRAME AS.-----	1
2	3P1389	WIRE-----(200 in.)----	1
3	2J8592	BOLT-----	6
4	5P8245	WASHER-----	6
5	8J7729	RETAINER-----	2
6	8J7727	PIN-----	1
7	5T3188	PIN-----	1
8	6V2360	WASHER-----	2
9	4H2686	RING-----	2
10	6G5155	BEARING-----	2
11	S1594	BOLT-----	36
12	5M2894	WASHER-----	36
13	4J5696	LOCK-----	2
14	4J5697	YOKE-----	4
15	4J5692	WASHER-----	1

16	3B8489	FITTING-----	15
17	4J5690	WASHER-----	1
18	4J5691	WASHER-----	1
19	4J5689	WASHER-----	1
20	9J2171	SPACER-----	2
21	5J1873	YOKE-----	4
22	5J1822	LOCK-----	2
23	6J442	YOKE-----	8
24	9J2323	WASHER-----	2
25	5J1825	PIN-----	2
26	S1587	BOLT-----	2
27	1A5822	BOLT-----	2
28	8J4235	BRACKET-----	1
29	5J8339	BOLT-----	1
30	1B4439	NUT-----	1
31	5P8248	WASHER-----	1
32	3B4620	COTTER-----	1
33	5J8344	BUSHING-----	1

3G8060 HITCH GROUP, NON-CUSHION--Part 1 of 2

CATERPILLAR 621B TRACTOR

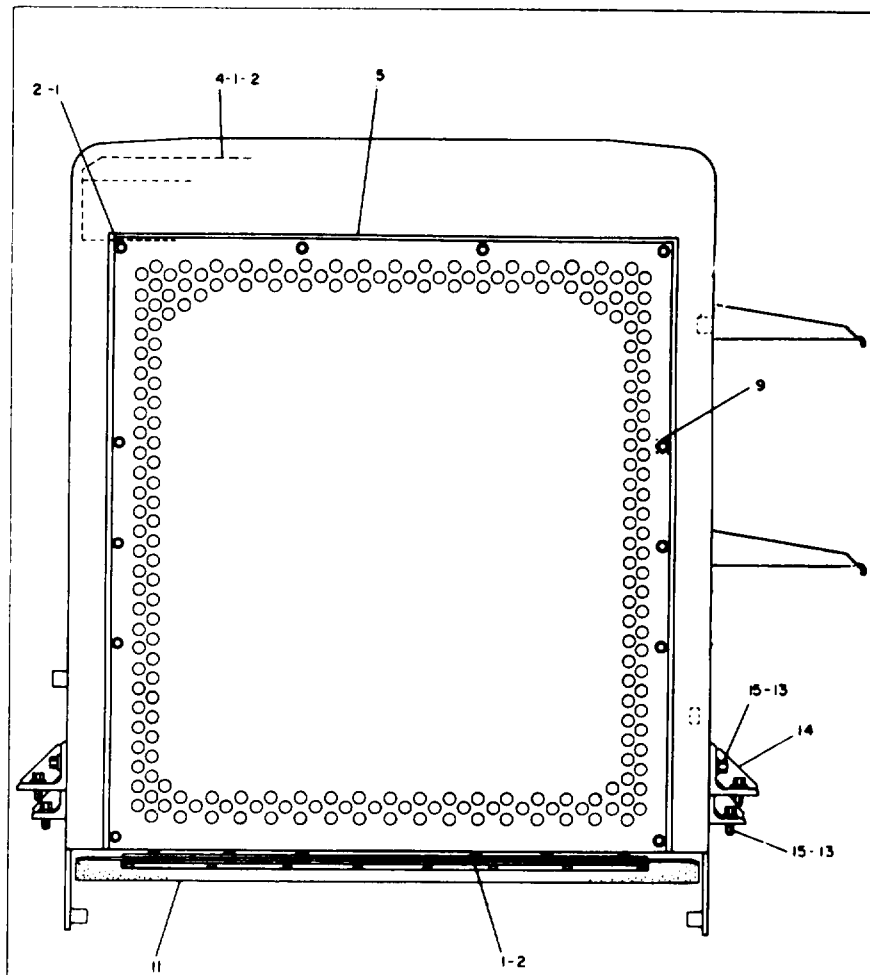


1	6V2360	WASHER-----	2
2	9J2178	LINK AS.-----	2
3	9J2174	LINK-----	2
4	5T3030	PIN-----	2
5	5J1813	RETAINER-----	1
6	5T3016	PIN-----	4
7	366098	PIN AS.-----	2
8	364434	PIN AS.-----	2
9	9J9062	BOLT-----	1

10	3G4146	WASHER-----	1
11	3G4145	SPACER-----	1
12	3J8775	SPACER-----	1
13	3H5240	NUT-----	1
14	7F5227	BOLT-----	2
15	3B8485	FITTING-----	2
16	3H7654	WASHER-----	4
17	1D4609	BOLT-----	2
18	3B4627	COTTER-----	1
19	2J5637	PIN-----	1

3G8060 HITCH GROUP, NON-CUSHION--Part 2 of 2

CHASSIS

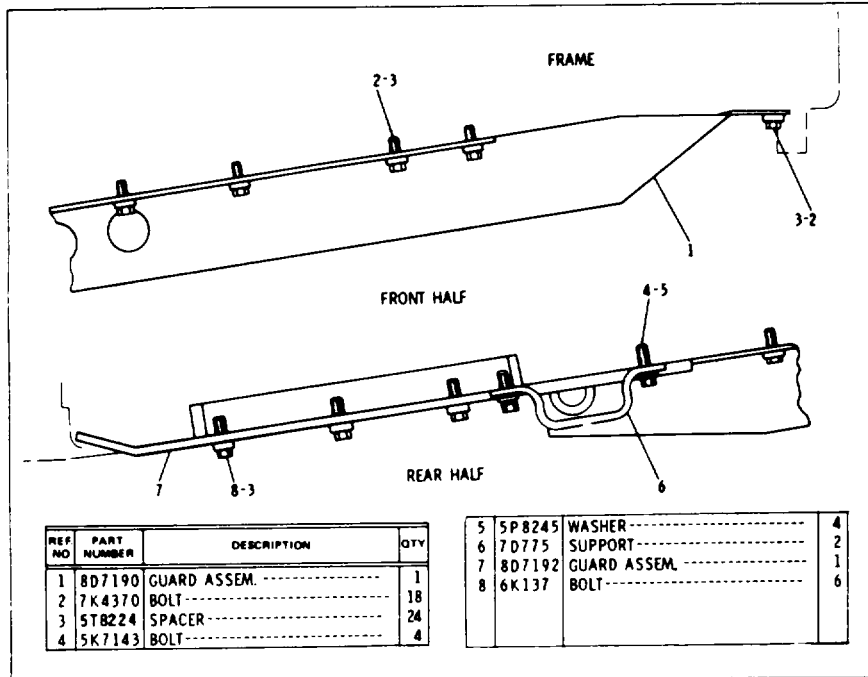


REF NO	PART NUMBER	DESCRIPTION	QTY
1	5D353	BOLT-----	24
2	5M2894	WASHER-----	24
4	8D7004	BAFFLE ASSEM,-----	1
5	6G5712	GUARD ASSEM,-----	1
6	5T4323	SUPPORT ASSEM,-----	1

11	6G6181	BAFFLE ASSEM,-----	1
13	5P8245	WASHER-----	12
14	8D6752	BRACKET ASSEM,-----	2
15	5K7143	BOLT-----	12

6G5700 RADIATOR GUARD GROUP

CATERPILLAR 621B TRACTOR



8D7170 CRANKCASE GUARD GROUP

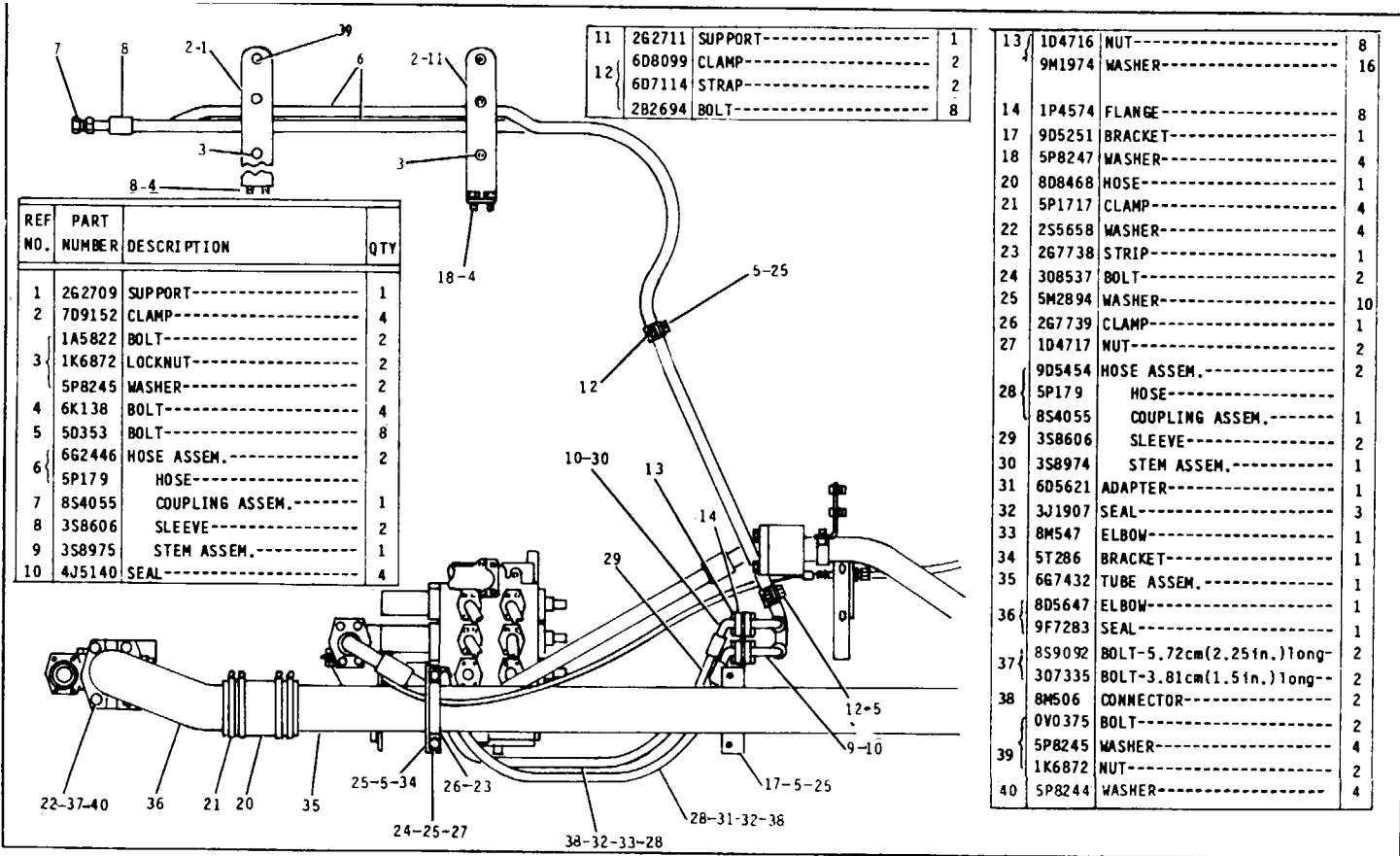
Consists of :

- 1 - 5R6648 - BRACE ASSEMBLY
- 1 - 5R2557 - U-BOLT
- 2 - 1K6872 - NUT

5R6702 TURN STOP GROUP

5T6680 CONTROL GROUP, TRAILING UNIT - Part 1 of 6

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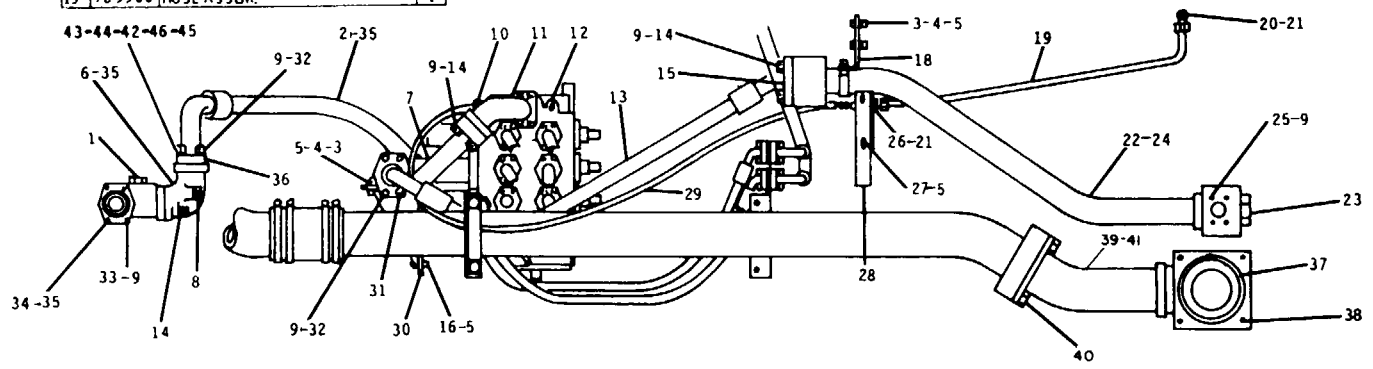
HYDRAULIC SYSTEM

5T6680 CONTROL GROUP, TRAILING UNIT - Part 2 of 6

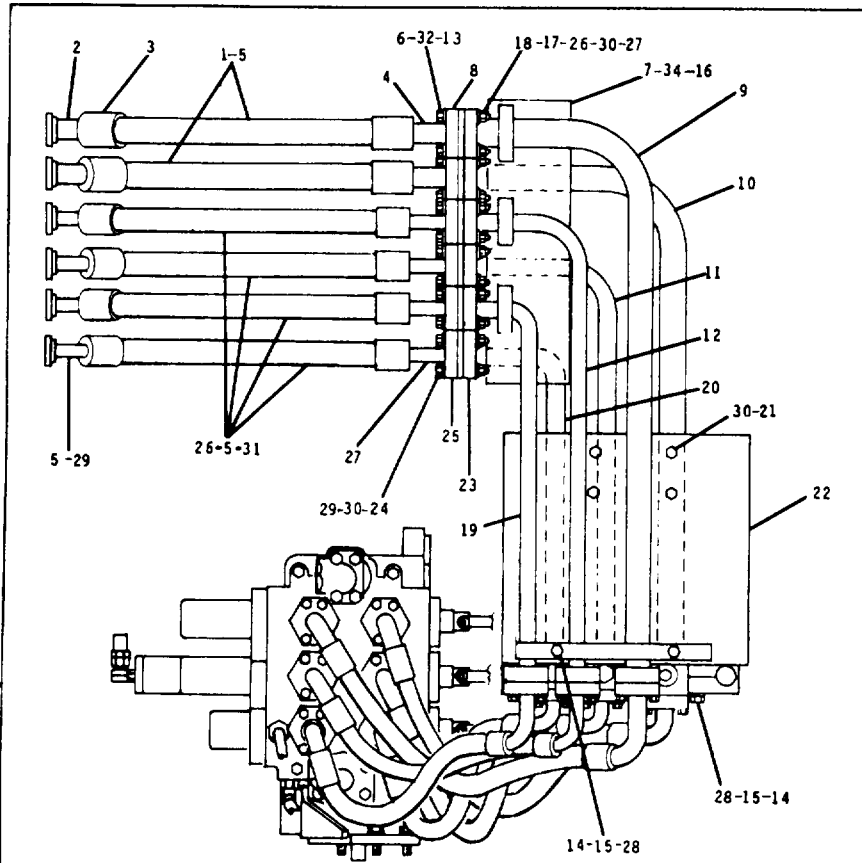
REF NO	PART NUMBER	DESCRIPTION	QTY
1	9S6130	PLUG	1
2	2S4078	SEAL	1
	6C558	HOSE ASSEM.	1
	8S8220	HOSE----33.86 in. (86 cm)	1
2	3S8330	SLEEVE	2
	2P8355	STEM ASSEM. --- (110')	1
	5S3836	STEM ASSEM. --- (90')	1
3	343557	BOLT----2.86 cm(1.125 in.) long	5
4	104717	NUT	3
5	5M2894	WASHER	14
6	6C584	ELBOW	1
7	8D8553	TUBE ASSEM.	1
	1P3707	SEAL	1
8	V375	BOLT	2
9	5P8245	WASHER	28
10	6K9194	ELBOW	1
	9D3625	ADAPTER	1
11	2D598	SEAL	1
	3B8428	BOLT	4
12	5P8244	WASHER	4
13	9D3566	HOSE ASSEM.	1

14	0S1587	BOLT	10
	1P4584	FLANGE	2
15	6J2680	SEAL	1
16	5D353	BOLT	2
	8D8568	ANGLE	1
18	9D3531	CLAMP ASSEM.	1
	9F2978	NUT---(weld)	2
19	9D3691	TUBE ASSEM.	1
20	307948	ELBOW	1
21	3K360	SEAL	2
22	8D8524	TUBE ASSEM.	1
	9S7583	PLUG	1
23	304606	SEAL	1
24	6H3977	SEAL	1
25	2B2006	BOLT	4
26	8M505	ADAPTER	1
27	0T0573	BOLT	2
28	9D139	BLOCK	1
	315943	HOSE ASSEM.	1
29	2R6806	CONNECTOR	2
	3J1907	SEAL	2

30	9D3231	BRACKET ASSEM.	1
	4D6474	CLAMP	1
31	1P4582	FLANGE	2
	4J527	SEAL	1
32	0S1585	BOLT	8
33	51573	BOLT-----1Q.16 cm(4 in.) long	2
	L1329	BOLT-----7.62 cm(3 in.) long	2
34	2G5342	ELBOW	1
35	4J524	SEAL	4
36	1P4579	FLANGE	2
37	3S1223	SEAL	1
	307335	BOLT	4
38	2S5658	WASHER	4
39	6G7434	TUBE ASSEM.	1
	6K137	BOLT	2
40	5P8247	WASHER	2
41	4F7507	SEAL	1
42	5H4020	COVER	1
43	1P4578	FLANGE	2
44	4J522	SEAL	1
45	5P8282	BOLT	4
46	5P7213	WASHER	4



HYDRAULIC SYSTEM



REF NO.	PART NUMBER	DESCRIPTION	QTY
1	662444	HOSE ASSEM.----- (Each Includes) HOSE----- (65cm)-----	2
2	3S8498	STEM ASSEM.-----	1
3	3S7252	SLEEVE-----	2
4	2P1313	STEM ASSEM.-----	1
5	4J520	SEAL-----	6
6	S1585	BOLT-----	8
7	662443	PLATE-----	2
8	1P4579	FLANGE-----	4
9	662437	TUBE ASSEM.-----	1
10	662438	TUBE ASSEM.-----	1
11	662436	TUBE ASSEM.-----	1
12	662439	TUBE ASSEM.-----	1
13	4J524	SEAL-----	2
14	9D2521	CLAMP-----	2
15	310223	BOLT-----	4
16	2J3118	BOLT-----	8
17	5T1917	CLAMP-----	4
18	7S2750	SPACER-----	12
19	662441	TUBE ASSEM.-----	1
20	662442	TUBE ASSEM.-----	1
21	308535	BOLT-----	4
22	662093	PLATE ASSEM.-----	1
23	5T1918	CLAMP-----	8
24	4J5267	SEAL-----	4
25	1P4576	FLANGE-----	8
26	1S1445	PLATE-----	6
27	T0065	BOLT-----	12
28	5P8245	WASHER-----	8
29	3B1915	BOLT-----	16
30	5H2894	WASHER-----	42
31	9D4287	HOSE ASSEM.-----	4

5T6680 CONTROL GROUP, TRAILING UNIT Part 3 of 6

CATERPILLAR 6218B TRACTOR

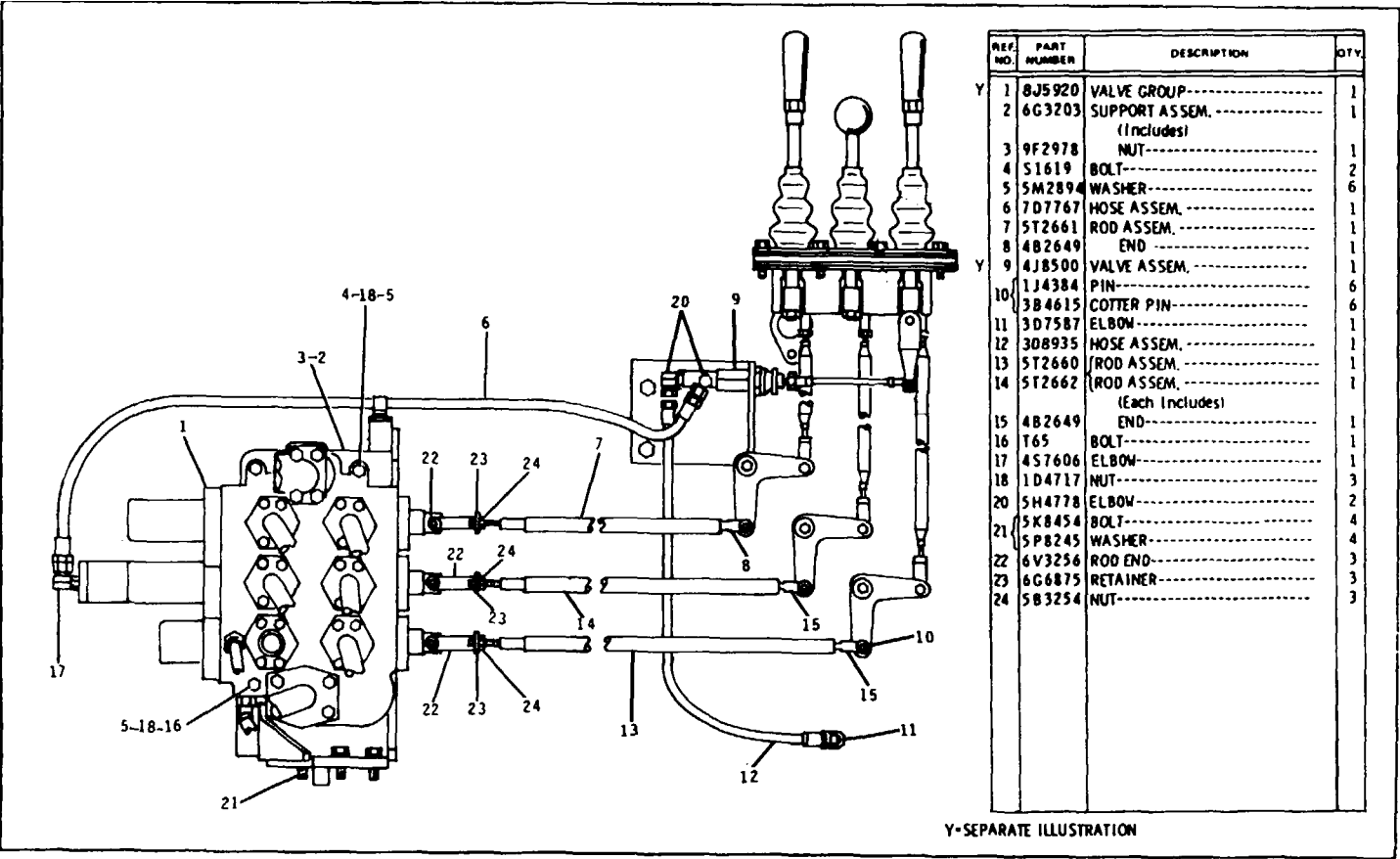
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1P4579	FLANGE-----	4
2	1P4576	FLANGE-----	8
3	3B1915	BOLT-----	16
4	5P8245	WASHER-----	8
5	4J0524	SEAL-----	2
6	9D2473	HOSE ASSEM.---	1
	9S247	HOSE----22.44in.(57cm)	
7	4S7485	STEM ASSEM.---	1
8	3S7166	SLEEVE-----	2
9	8S0111	STEM ASSEM.---	1
	9D4295	HOSE ASSEM.---	1
10	9S247	HOSE----22.44in.(57cm)	
	5S5283	STEM ASSEM.---	1
11	4S7485	STEM ASSEM.---	1
12	3S7166	SLEEVE-----	2
13	9D4296	HOSE ASSEM.---	1
	3S8363	STEM ASSEM.---	1

13	9S247	HOSE---17.99in.(45.7cm)	
	3S7166	SLEEVE-----	2
	5S5285	STEM ASSEM.---	1
	9D4294	HOSE ASSEM.---	1
	3S7166	SLEEVE-----	2
14	9S247	HOSE---18.19in.(46.2cm)	
	8S0111	STEM ASSEM.---	1
	3S8363	STEM ASSEM.---	1
	9D4291	HOSE ASSEM.---	1
	8S9355	HOSE---20.12in.(51.1cm)	
15	3S7252	SLEEVE-----	2
	3S8499	STEM ASSEM.---	1
	7S3122	STEM ASSEM.---	1

16	4J0520	SEAL-----	6
	9D4293	HOSE ASSEM.---	1
	9S247	HOSE----22.44in.(57cm)	
17	4S7485	STEM ASSEM.---	1
	3S7166	SLEEVE-----	2
	8S0111	STEM ASSEM.---	1
18	0S1585	BOLT-----	8
19	4J5267	SEAL-----	4
20	5M2894	WASHER-----	16

5T6680 CONTROL GROUP, TRAILING UNIT - Part 4 of 6

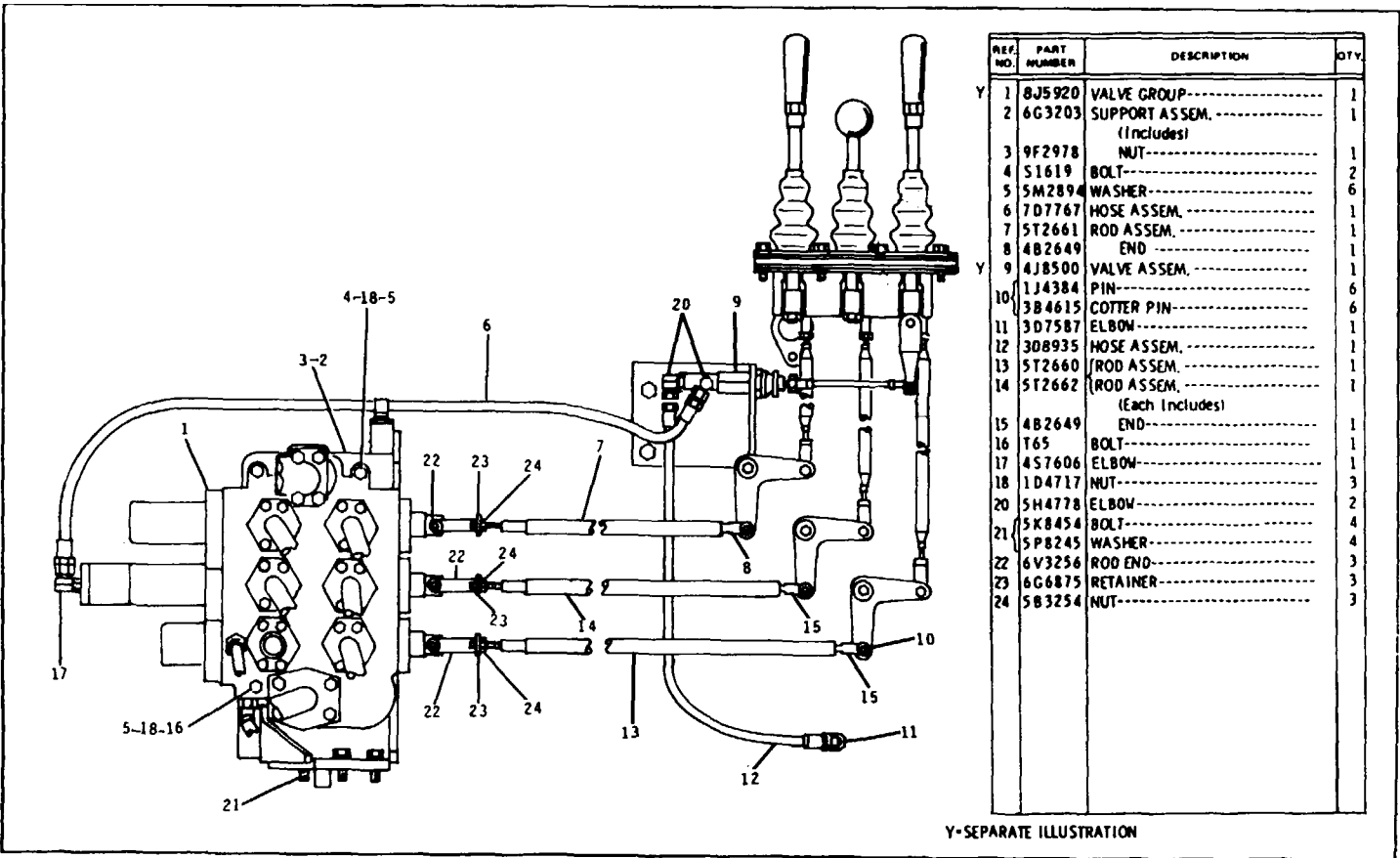
HYDRAULIC SYSTEM



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
Y 1	8J5920	VALVE GROUP-----	1
2	6G3203	SUPPORT ASSEM.-----	1
		(Includes)	
3	9F2978	NUT-----	1
4	51619	BOLT-----	2
5	5M2894	WASHER-----	6
6	7D7767	HOSE ASSEM.-----	1
7	5T2661	ROD ASSEM.-----	1
8	4B2649	END-----	1
9	4J8500	VALVE ASSEM.-----	1
Y 10	1J4384	PIN-----	6
	3B4615	COTTER PIN-----	6
11	3D7587	ELBOW-----	1
12	308935	HOSE ASSEM.-----	1
13	5T2660	ROD ASSEM.-----	1
14	5T2662	ROD ASSEM.-----	1
		(Each Includes)	
15	4B2649	END-----	1
16	T65	BOLT-----	1
17	4S7606	ELBOW-----	1
18	1D4717	NUT-----	3
20	5H4778	ELBOW-----	2
21	5K8454	BOLT-----	4
	5P8245	WASHER-----	4
22	6V3256	ROD END-----	3
23	6G6875	RETAINER-----	3
24	5B3254	NUT-----	3

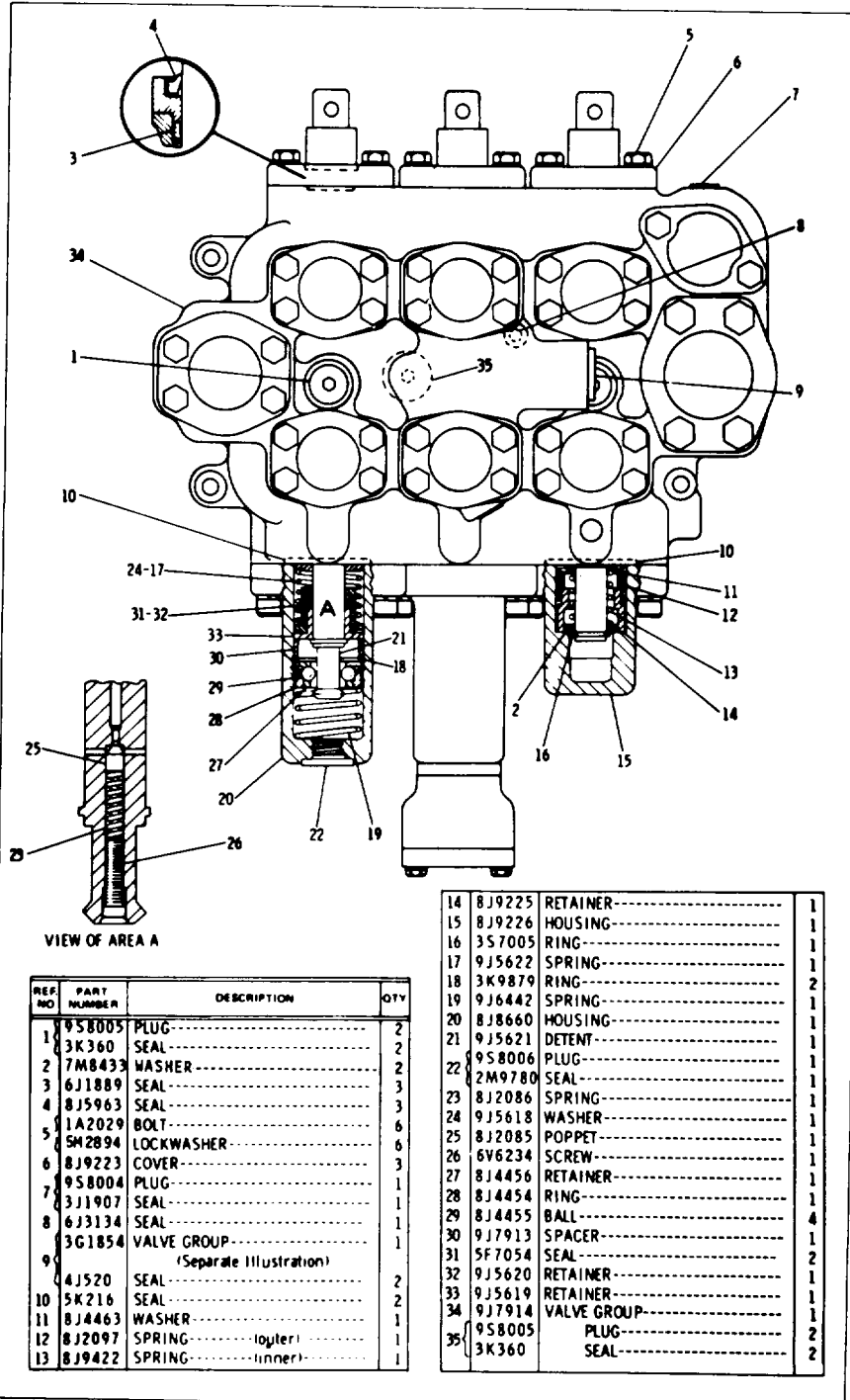
Y-SEPARATE ILLUSTRATION

5T6680 CONTROL GROUP, TRAILING UNIT - Part 5 of 6



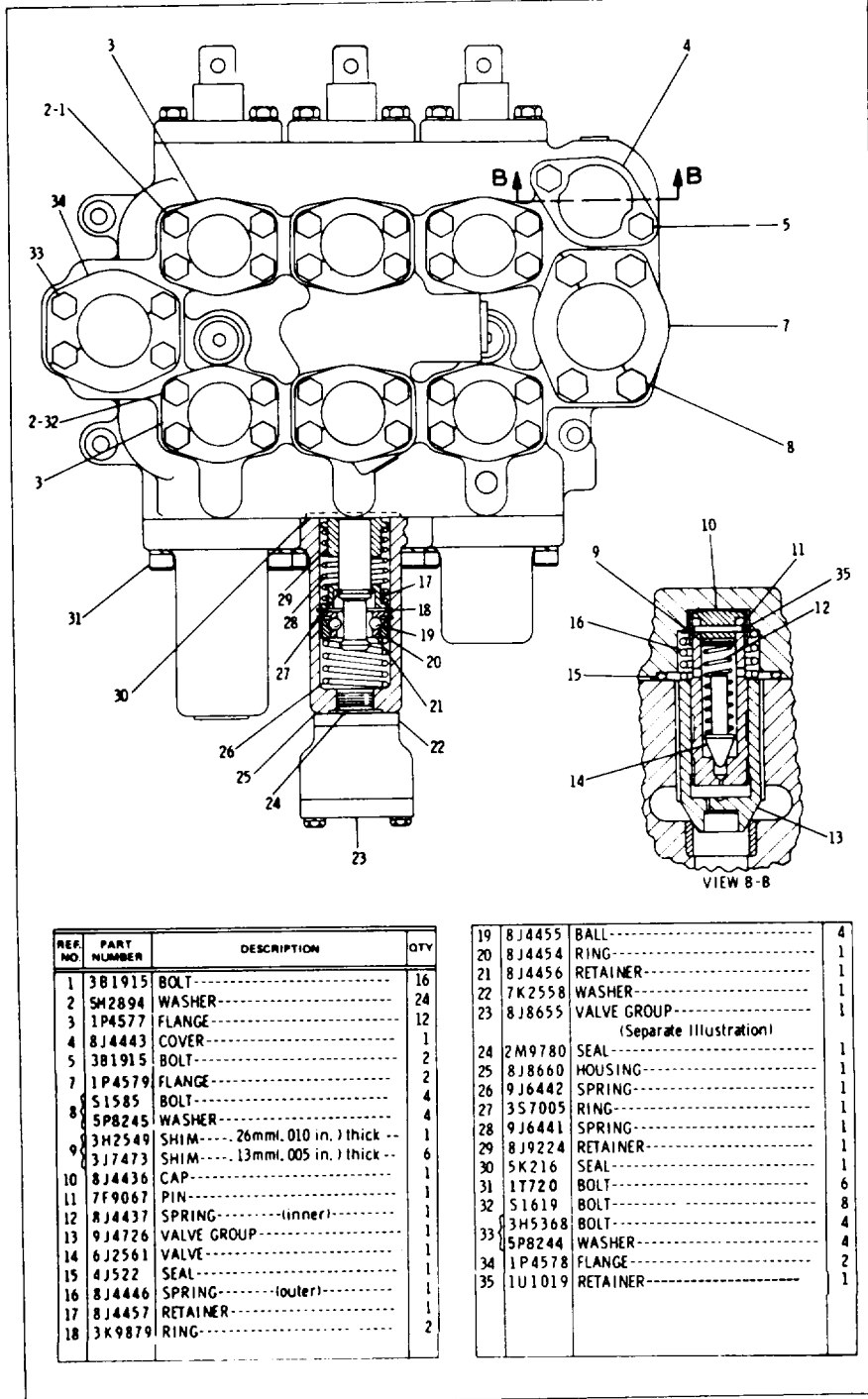
5T6680 CONTROL GROUP, TRAILING UNIT - Part 6 of 6
 8J5920 and 4J8500 valve parts are shown on Pages 193 and 195

HYDRAULIC SYSTEM



8J5920 CONTROL VALVE GROUP - Part 1 of 2
 Part of 5T6680 Trailing Unit Control Group shown on Page 192
 3G1854 Valve parts are shown on Page 195

CATERPILLAR 621B TRACTOR

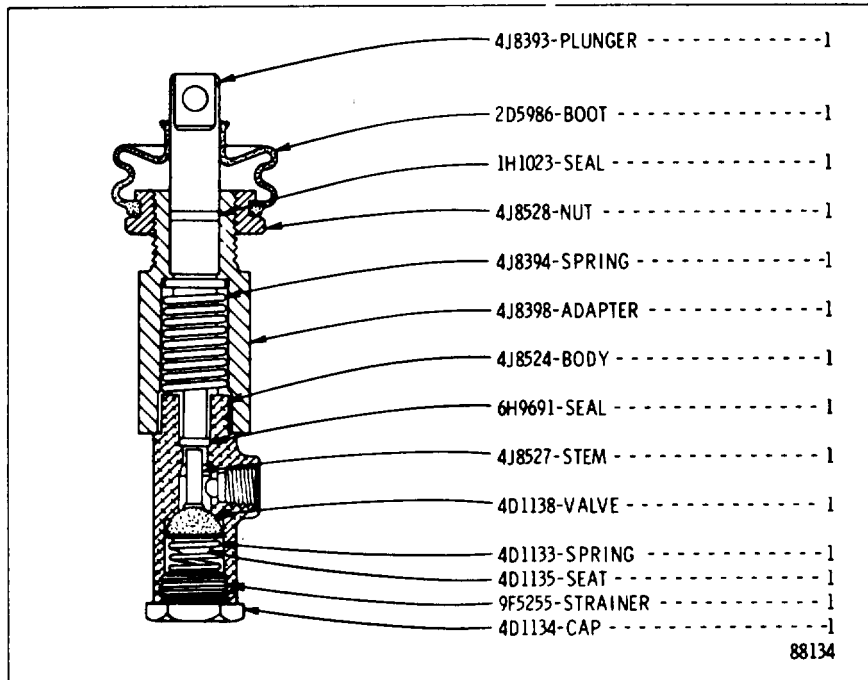


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3B1915	BOLT-----	16
2	5M2894	WASHER-----	24
3	1P4577	FLANGE-----	12
4	8J4443	COVER-----	1
5	3B1915	BOLT-----	2
7	1P4579	FLANGE-----	2
8	51585	BOLT-----	4
8	5P8245	WASHER-----	4
9	3M2549	SHIM----- .26mm(.010 in.) thick --	1
9	3J7473	SHIM----- .13mm(.005 in.) thick --	6
10	8J4436	CAP-----	1
11	7F9067	PIN-----	1
12	8J4437	SPRING----- (inner)-----	1
13	9J4726	VALVE GROUP-----	1
14	6J2561	VALVE-----	1
15	4J522	SEAL-----	1
16	8J4446	SPRING----- (outer)-----	1
17	8J4457	RETAINER-----	1
18	3K9879	RING-----	2

19	8J4455	BALL-----	4
20	8J4454	RING-----	1
21	8J4456	RETAINER-----	1
22	7K2558	WASHER-----	1
23	8J8655	VALVE GROUP----- (Separate Illustration)	1
24	2M9780	SEAL-----	1
25	8J8660	HOUSING-----	1
26	9J6442	SPRING-----	1
27	3S7005	RING-----	1
28	9J6441	SPRING-----	1
29	8J9224	RETAINER-----	1
30	5K216	SEAL-----	1
31	1T720	BOLT-----	6
32	51619	BOLT-----	8
33	3H5368	BOLT-----	4
33	5P8244	WASHER-----	4
34	1P4578	FLANGE-----	2
35	1U1019	RETAINER-----	1

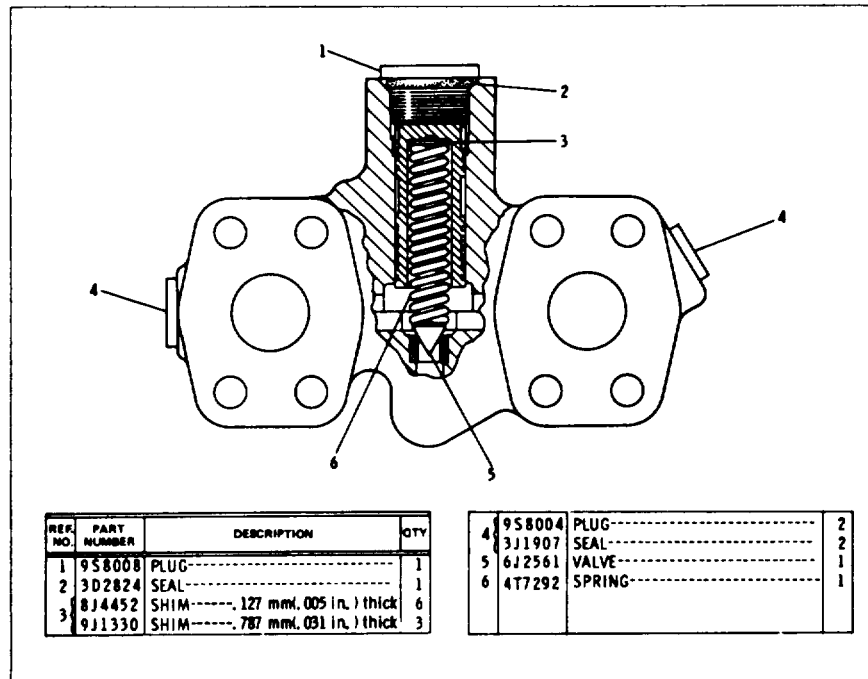
8J5920 CONTROL VALVE GROUP- Part 2 of 2
 Part of 5T6680 Trailing Unit Control Group shown on Page192
 8J8655 Valve parts are shown on Page 196

HYDRAULIC SYSTEM



4J8500 , CONTROL VALVE ASSEMBLY

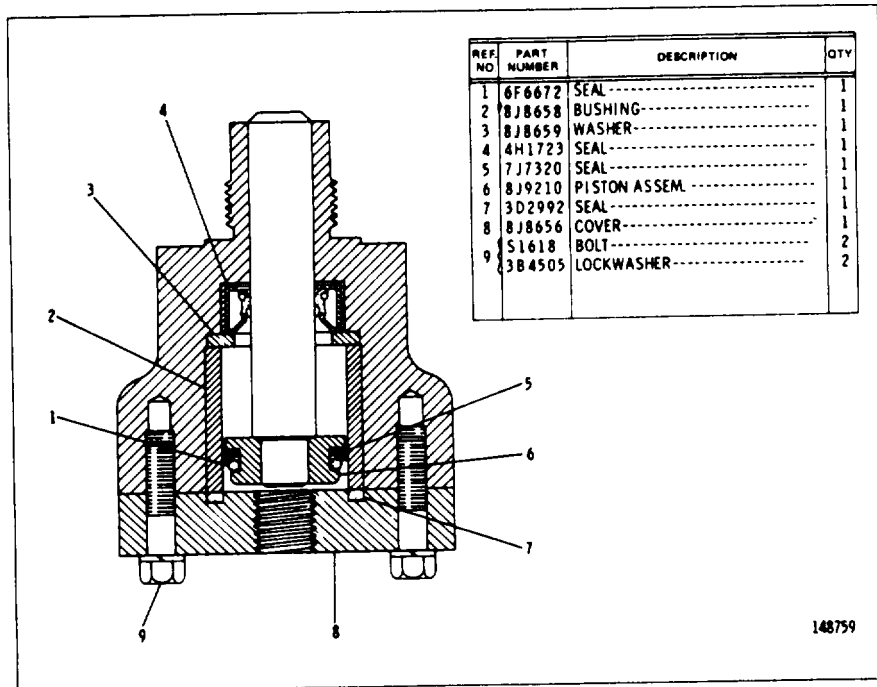
Part of 5T6680 Trailing Unit Control Group shown on Page192



3G1854 VALVE GROUP

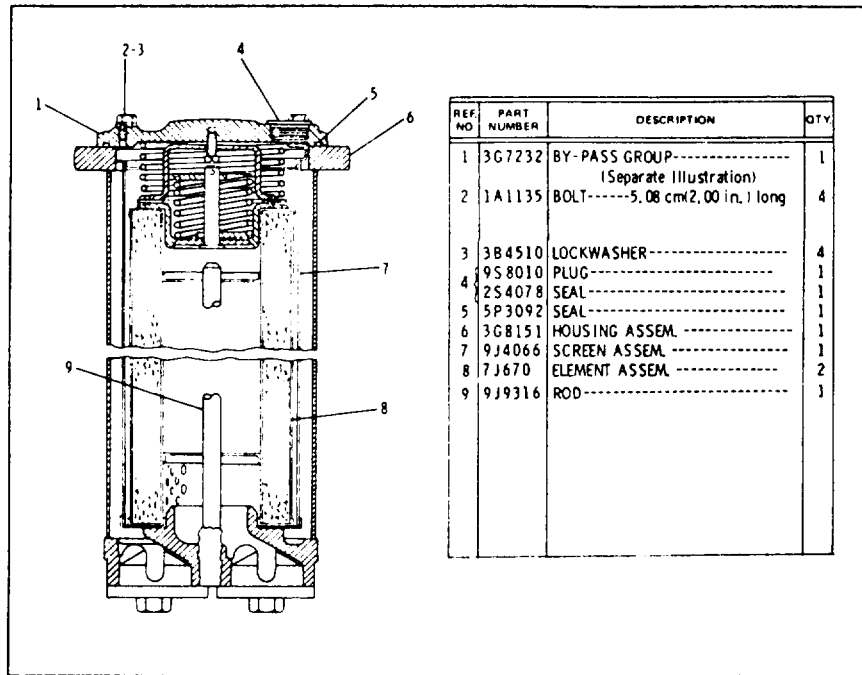
Part of 8J5920 Control Valve Group shown on Page 193

CATERPILLAR 621B TRACTOR



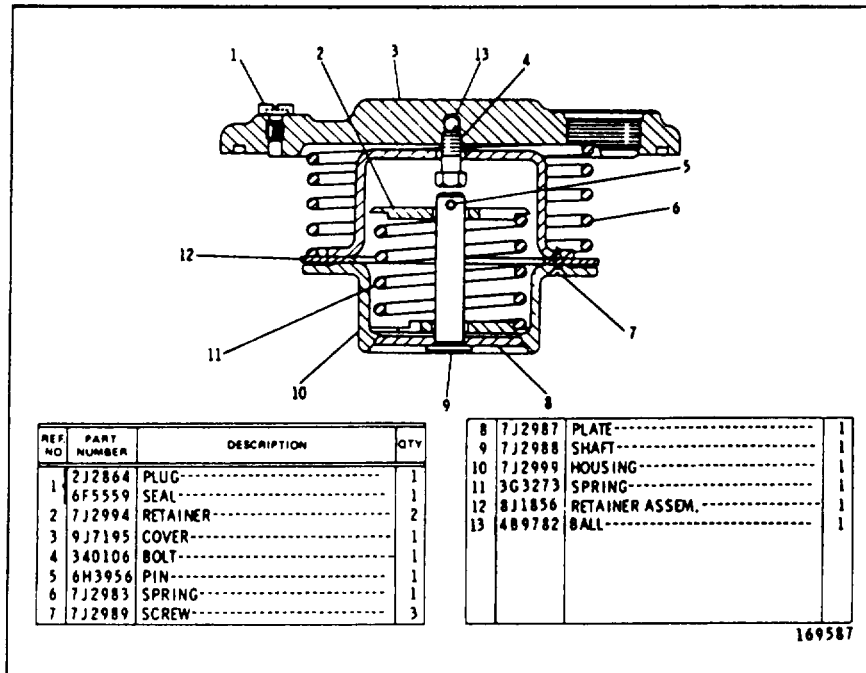
8J8655 AIR CONTROL VALVE GROUP
 Part of 8J920 Control Valve Group shown on Page 194

HYDRAULIC SYSTEM



3G8152 INTERNAL FILTER GROUP

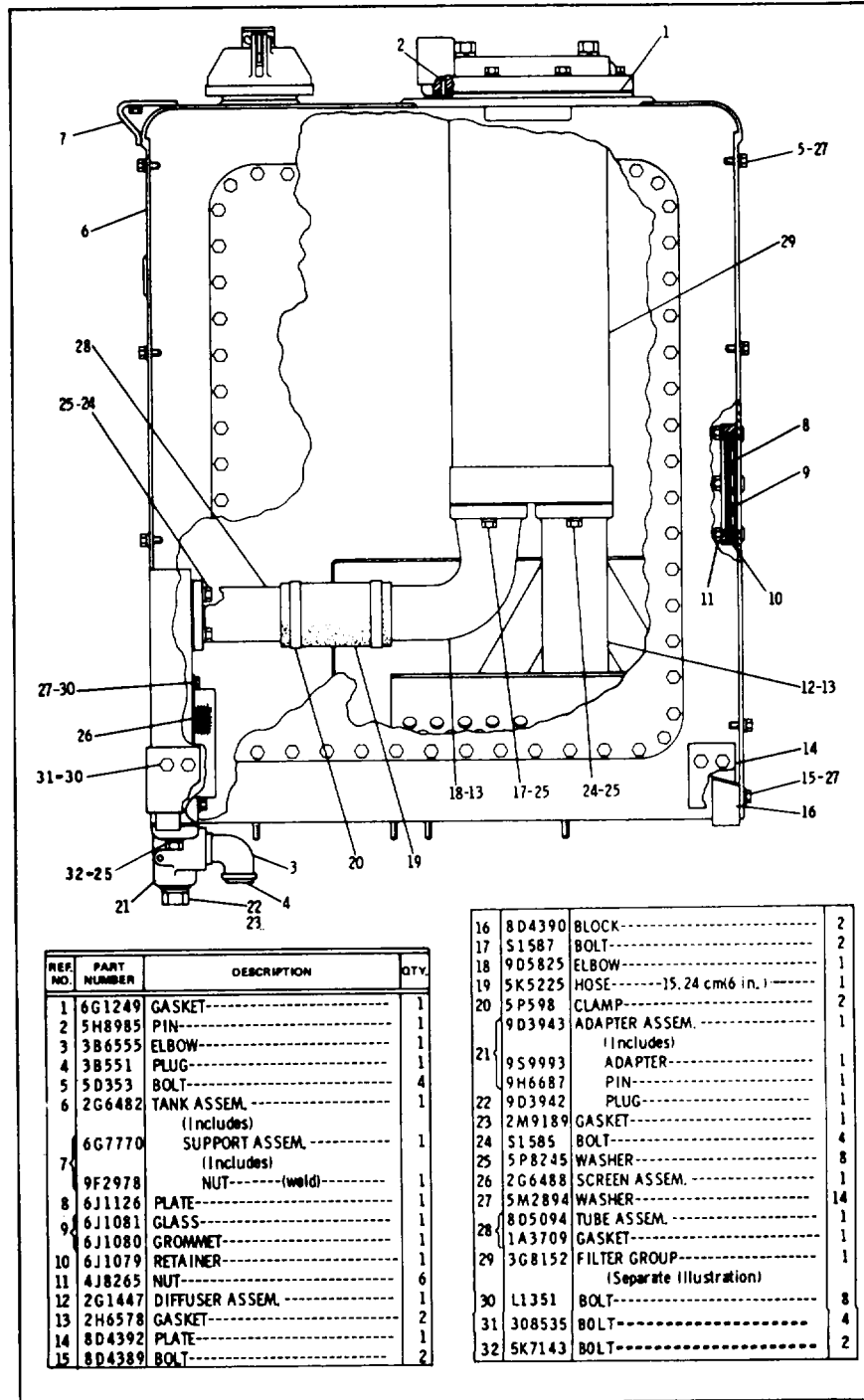
Part of 2G6580 Hydraulic Tank & Filter Group shown on Pages 198 and 199
 367232 Filter By-Pass parts are shown below



3G7232 FILTER BY-PASS GROUP

Part of 368152 Internal Filter Group shown above

CATERPILLAR 621B TRACTOR

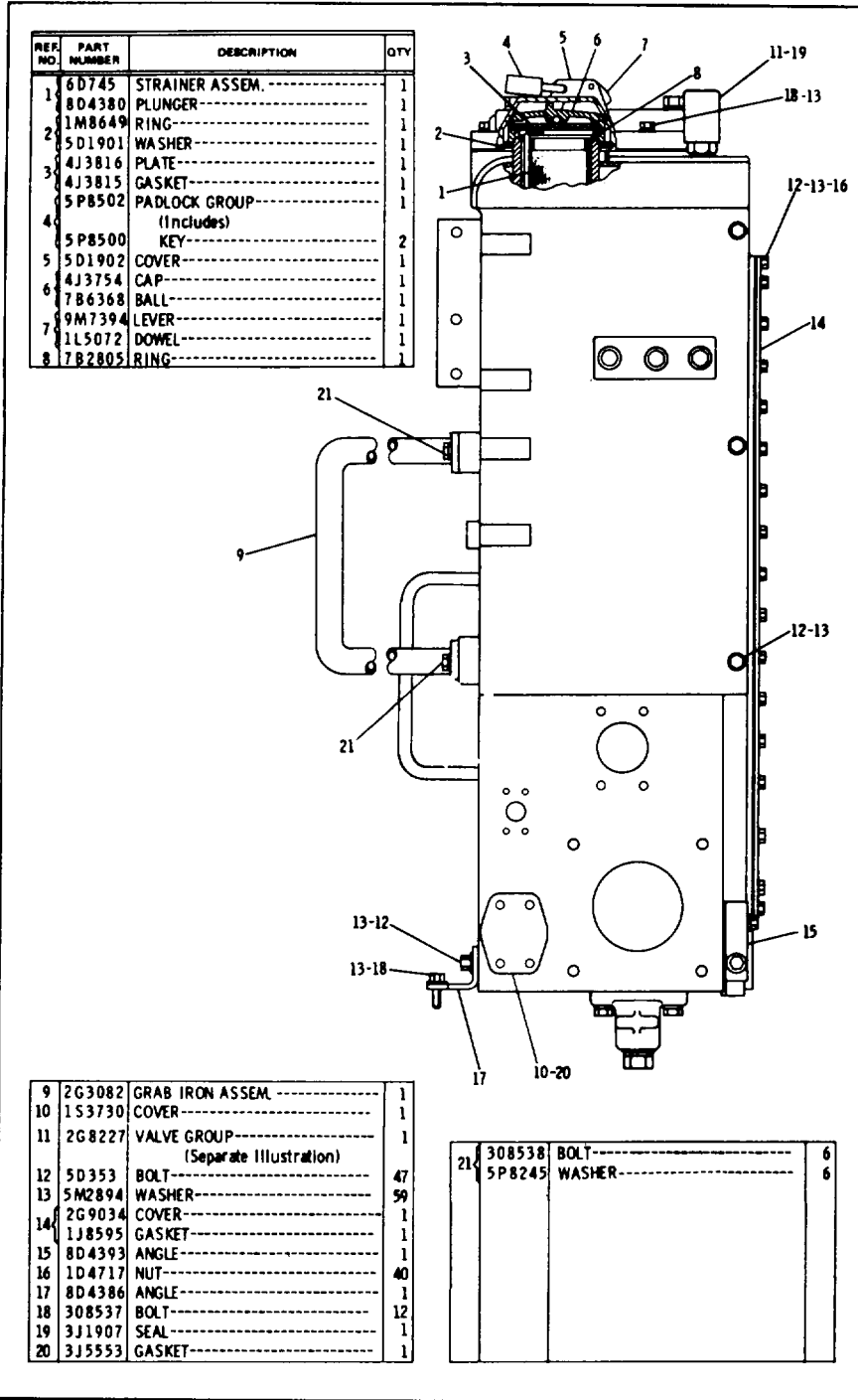


REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6G1249	GASKET-----	1
2	5H8985	PIN-----	1
3	3B6555	ELBOW-----	1
4	3B551	PLUG-----	1
5	5D353	BOLT-----	4
6	2G6482	TANK ASSEM.-----	1
		(Includes)	
	6G7770	SUPPORT ASSEM.-----	1
		(Includes)	
7	9F2978	NUT----- (weld)-----	1
8	6J1126	PLATE-----	1
9	6J1081	GLASS-----	1
	6J1080	GROMMET-----	1
10	6J1079	RETAINER-----	1
11	4J8265	NUT-----	6
12	2G1447	DIFFUSER ASSEM.-----	1
13	2H6578	GASKET-----	2
14	8D4392	PLATE-----	1
15	8D4389	BOLT-----	2

16	8D4390	BLOCK-----	2
17	51587	BOLT-----	2
18	9D5825	ELBOW-----	1
19	5K5225	HOSE----- (5.24 cm (6 in.))-----	1
20	5P598	CLAMP-----	2
	9D3943	ADAPTER ASSEM.-----	1
		(Includes)	
21	9S9993	ADAPTER-----	1
	9H6687	PIN-----	1
22	9D3942	PLUG-----	1
23	2M9189	GASKET-----	1
24	51585	BOLT-----	4
25	5P8245	WASHER-----	8
26	2G6488	SCREEN ASSEM.-----	1
27	5M2894	WASHER-----	14
	8D5094	TUBE ASSEM.-----	1
28	1A3709	GASKET-----	1
29	3G8152	FILTER GROUP-----	1
		(Separate illustration)	
30	L1351	BOLT-----	8
31	308535	BOLT-----	4
32	5K7143	BOLT-----	2

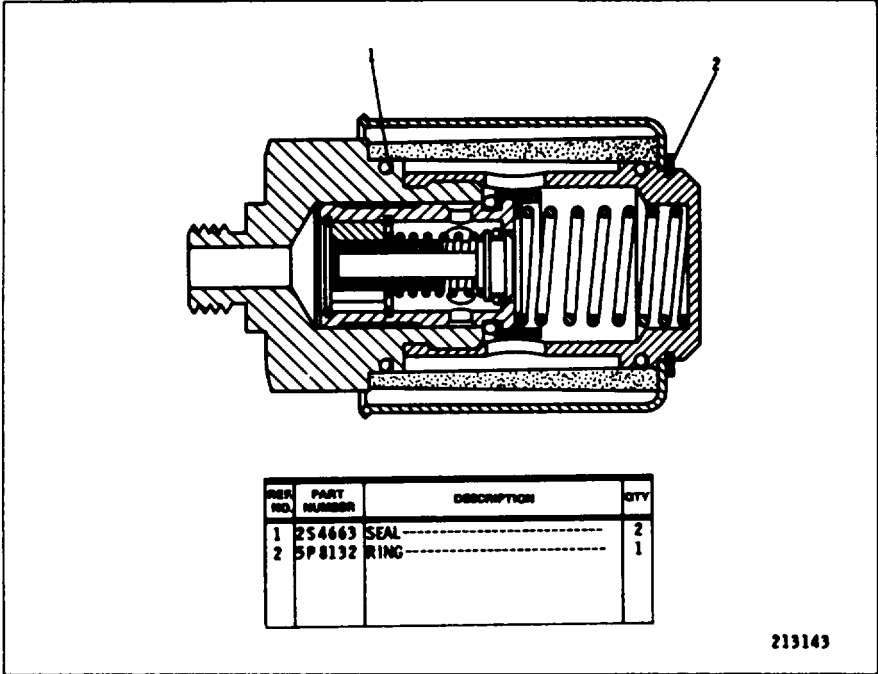
2G6580 HYDRAULIC TANK AND FILTER GROUP-Part 1 of 2
3G8152 Filter parts are shown on Page 197

HYDRAULIC SYSTEM



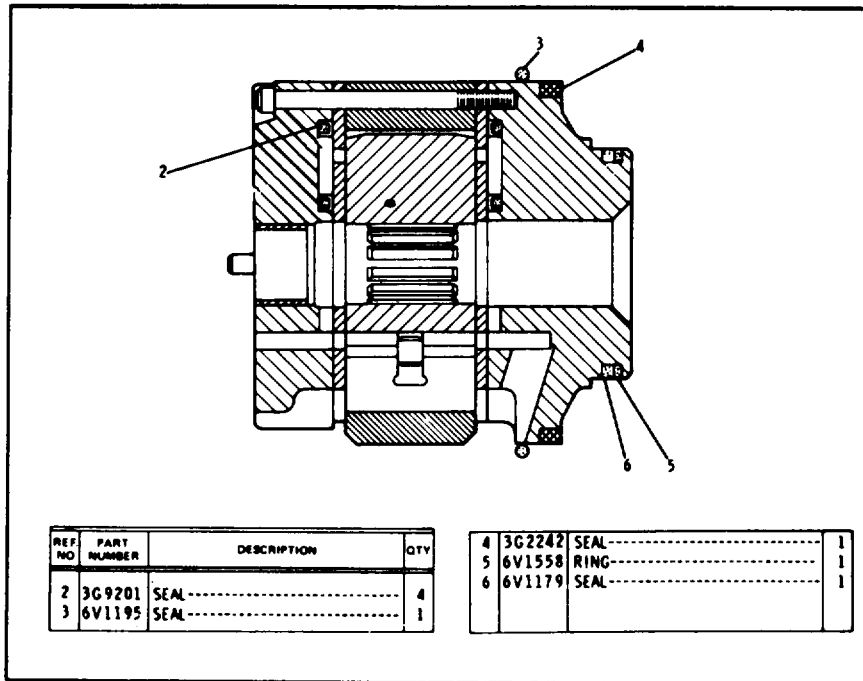
2G6580 HYDRAULIC TANK AND FILTER GROUP - Part 2
 2G8227 Valve parts are shown on Page 200

CATERPILLAR 621B TRACTOR

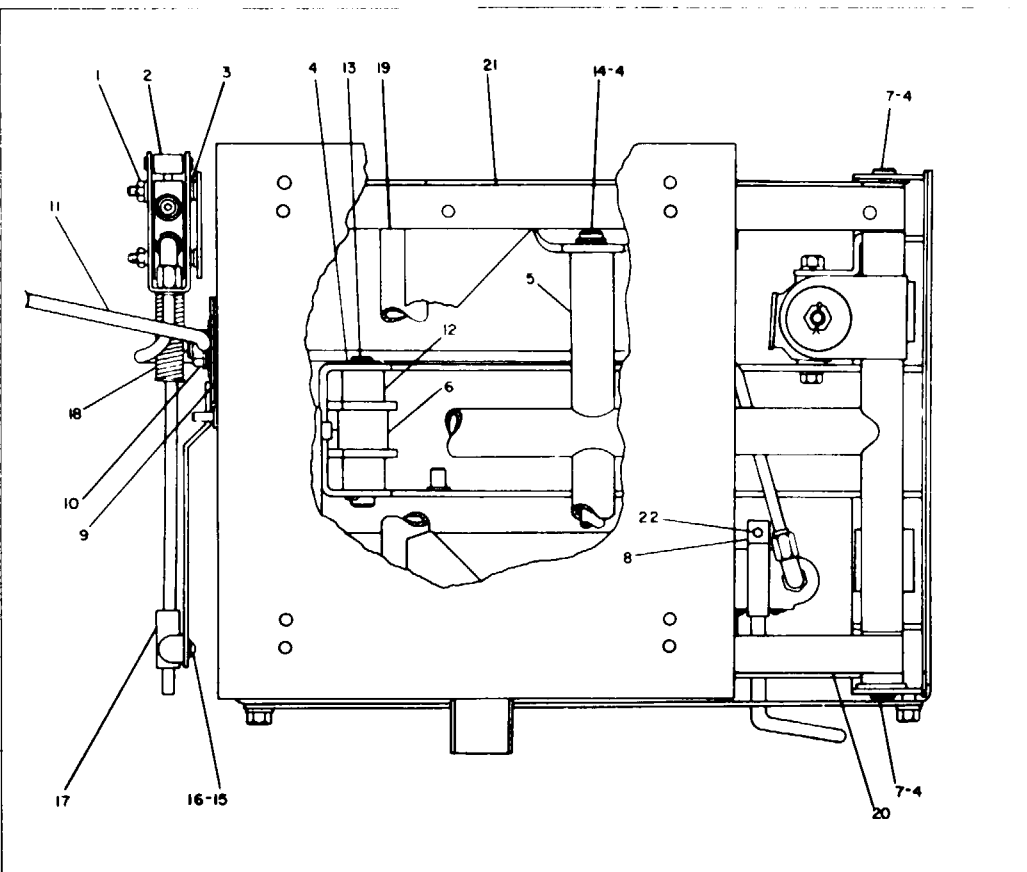


2G8227 BREAKER RELIEF VALVE GROUP
Part of 2G6580 Hydraulic Tank and Filter Group shown on Page 199

HYDRAULIC SYSTEM



3G7656 CARTRIDGE GROUP
 Part of 3G1239 Vane Pump Group shown on Page 168

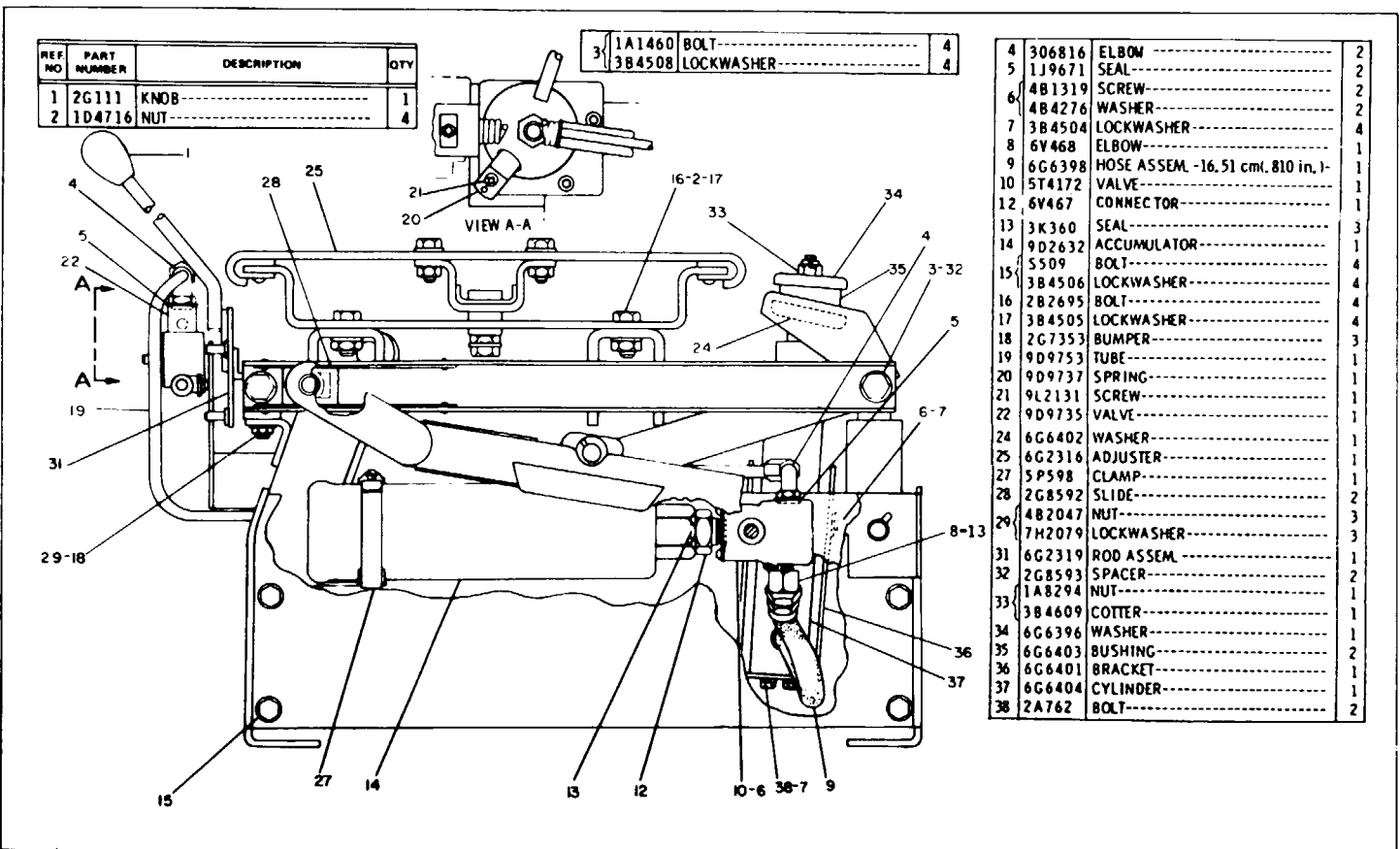


REF NO	PART NUMBER	DESCRIPTION	QTY
1	99258	NUT-----	2
2	9D9746	ACTUATOR-----	2
3	9D9739	BEARING-----	2
4	2R364	RING-----	5
4	2G8588	PIN-----	5
5	6G6397	ARM-----	1
6	2G8587	LEVER-----	1
7	2G8589	SHAFT-----	3
8	6G6399	CLAMP-----	1
9	9D9747	WASHER-----	1
	1K6872	NUT-----	1
10	7K5410	SPACER---.83 mm(.032 in.) thick	1
	4B4280	WASHER---2.42 mm(.095 in.) thick	1
11	2G7359	HANDLE-----	1
12	1A8842	SPACER-----	2
13	2G8591	SHAFT-----	1
14	2G8590	SHAFT-----	1
15	5P7112	SCREW-----	1
16	4F2320	WASHER-----	1
17	9D9738	SLIDE-----	1
18	2G8595	VALVE ACTUATOR ASSEM.-----	1
19	2G8584	LEVER-----	1
20	6G2318	CHANNEL-----	1
21	6G2317	CHANNEL-----	1
	2B2695	BOLT-----	1
22	1D4716	NUT-----	1
	3B4505	LOCKWASHER-----	1
THE FOLLOWING REPAIR KITS ARE AVAILABLE:			
	6G6395	VALVE KIT (Includes Seals, Spring & Pin.)	1
	2G8651	BEARING KIT (Includes Bearings)	1
	2G8594	CYLINDER RETAINER KIT (Includes Retainers, Screw, Nut & Lockwashers)	1

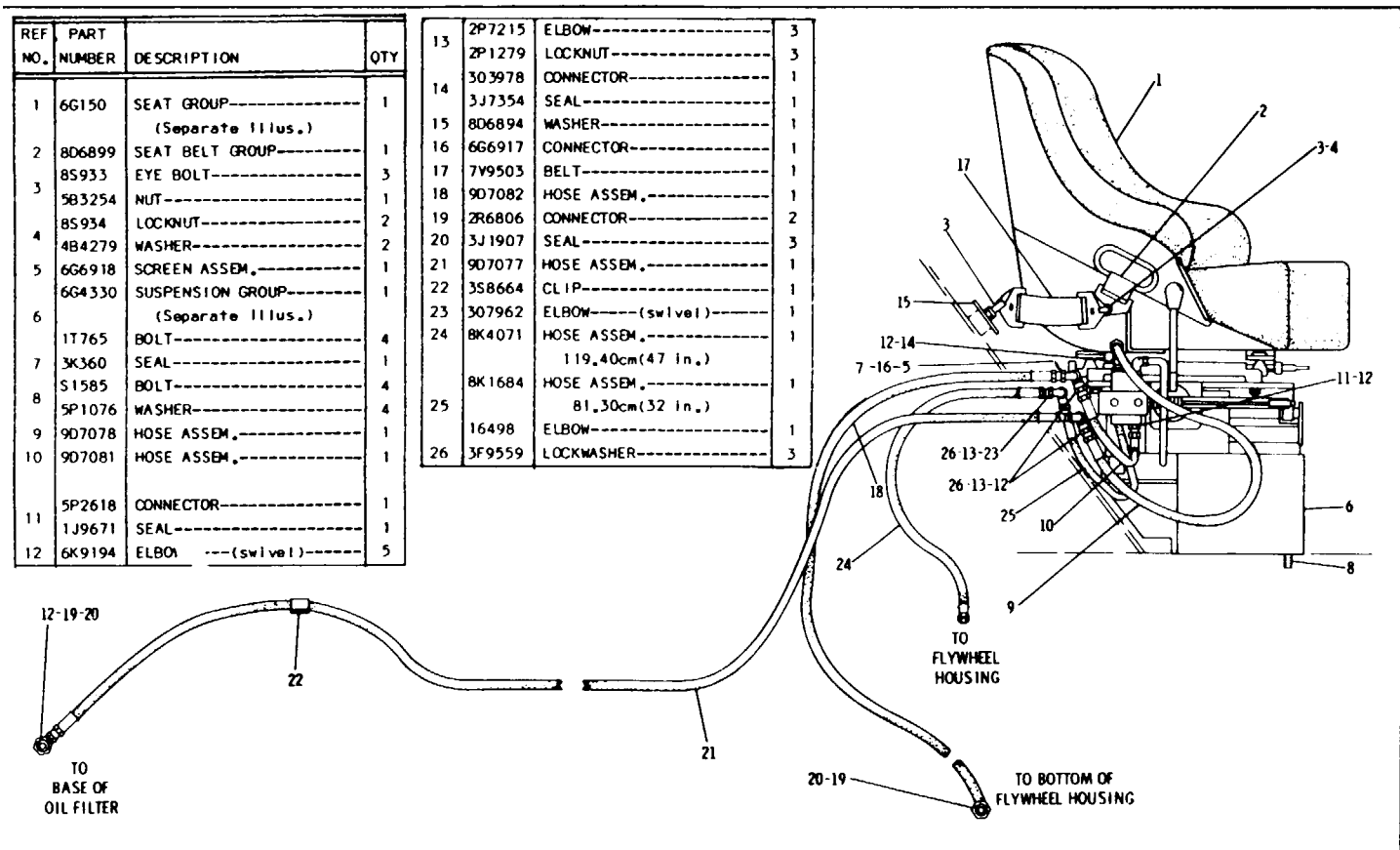
6G4330 SEAT SUSPENSION GROUP - Part 1 of 2
Part of 8D6903 Seat Group shown on Page 204

CAB, GAUGES AND ACCESSORIES

TM 5-3805-248-14&P-4



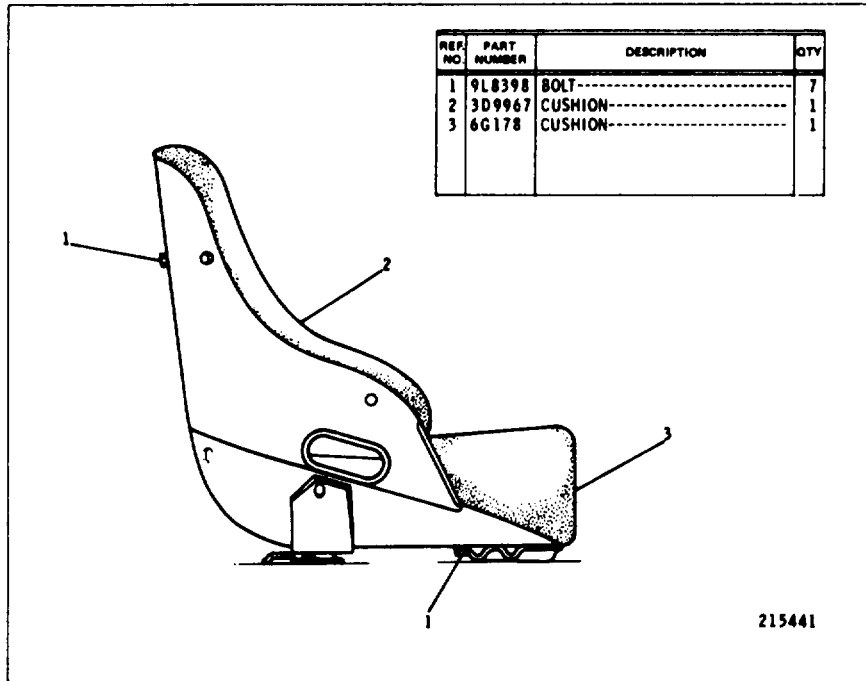
6G4330 SEAT SUSPENSION GROUP - Part 2 of 2
Part of 8D6903 Seat Group shown on Page 204



8D6903 SEAT GROUP

6G4330 & 6G150 Seat Parts are shown on Pages 202 and 203

CAB, GAUGES AND ACCESSORIES

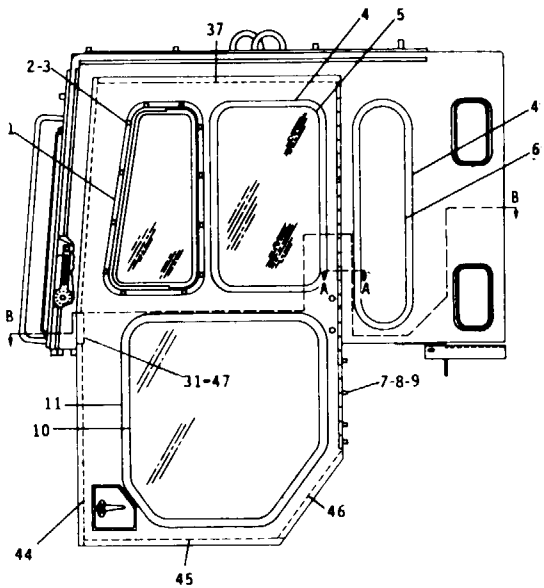


6G150 SEAT GROUP
 Part of 8D6903 Seat Group shown on Page 204

5R6689 ROLL-OVER PROTECTIVE SYSTEM (ENCLOSED) GROUP - Part 1 of 4

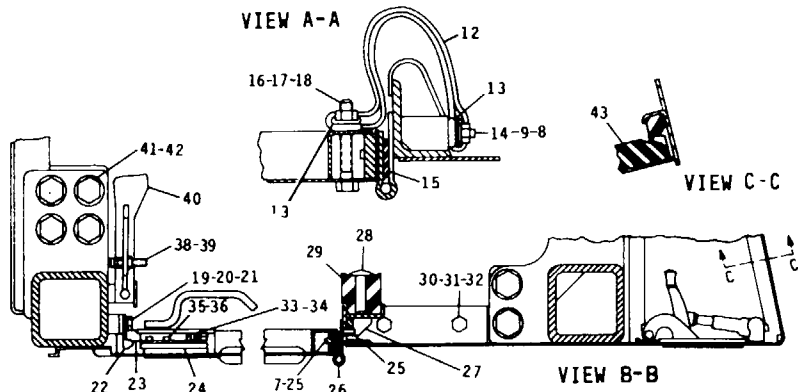
206

REF NO.	PART NUMBER	DESCRIPTION	QTY
1	264480	WINDOW GP-----	1
2	5M5845	SCREW-----	12
3	4L1250	NUT-----	12
4	7D1241	SEAL-----	2
5	263527	GLASS-----	1
6	262959	GLASS-----	1
7	4B1281	SCREW-----	6
8	5P0537	WASHER-----	6



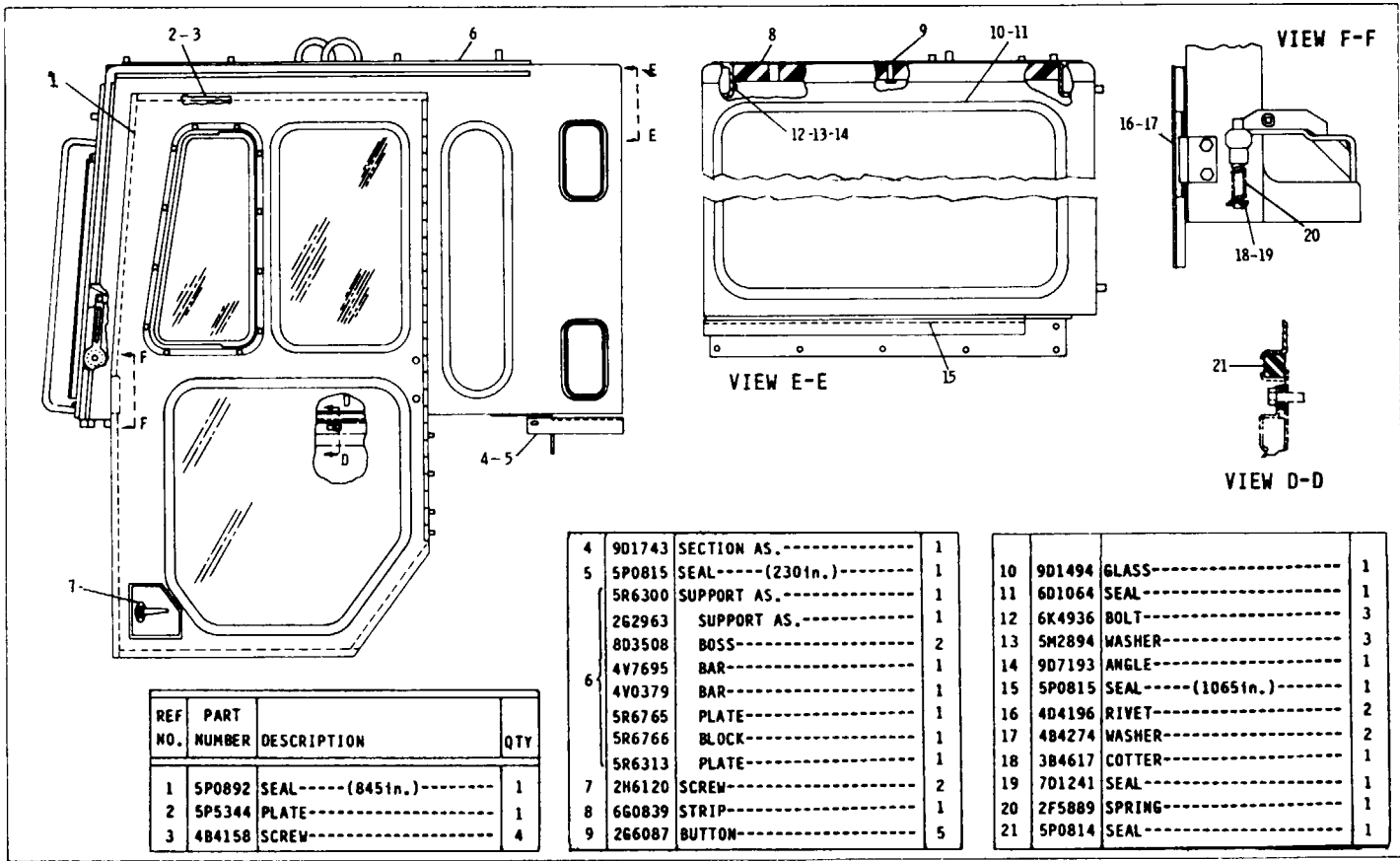
9	9S8750	NUT-----	6
10	9D1721	GLASS-----	1
11	9D2272	SEAL-----	1
12	8D7253	STOP-----	1
13	9D9778	STRAP-----	2
14	1H8299	SCREW-----	2
15	5P0798	SEAL----- (1321in.)	1
16	9M1974	WASHER-----	2
17	6V2664	BOLT-----	2
18	5S0003	NUT-----	2
19	5D0353	BOLT-----	2
20	5P1075	WASHER-----	2
21	9D8031	SHIM-----	8
22	5T6244	CATCH-----	1
23	9D8848	LATCH-----	1
24	5T6216	PLATE-----	1
25	4B1282	SCREW-----	18
26	5T2297	HINGE-----	1
27	9D4409	BRACKET AS.-----	1

28	2G6087	BUTTON-----	3
29	2G5564	LINER-----	1
30	5K8454	BOLT-----	2
31	5P8245	WASHER-----	31
32	1F7958	NUT-----	2
33	9L9132	WASHER-----	2
34	2K4973	LOCKNUT-----	2
35	4B4274	WASHER-----	4
36	1M2387	SCREW-----	4
37	5P0892	SEAL----- (860in.)	1
38	4B3610	SETSCREW-----	1
39	1D4717	NUT-----	1
40	5R6769	CATCH AS.-----	1
41	6F7036	BOLT-----	16
42	5P8249	WASHER-----	16
43	2G5567	LINER-----	1
44	5P0892	SEAL----- (735in.)	1
45	5P0892	SEAL----- (740in.)	1
46	5P0892	SEAL----- (405in.)	1
47	5R6767	STRIP-----	1



CATERPILLAR 621B TRACTOR

TM 5-3805-248-14&P-4

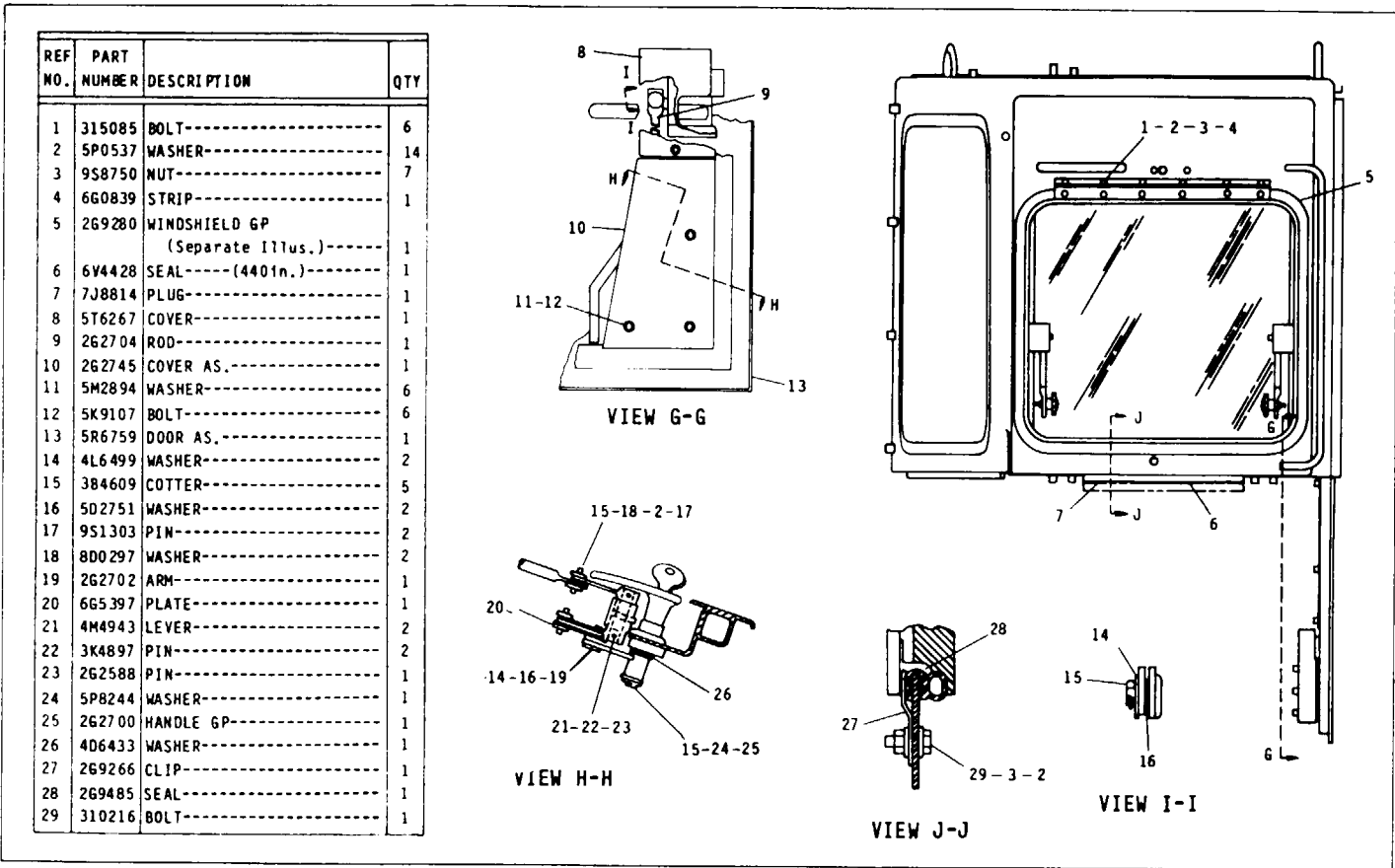


REF NO.	PART NUMBER	DESCRIPTION	QTY
1	5P0892	SEAL----(8451n.)-----	1
2	5P5344	PLATE-----	1
3	4B4158	SCREW-----	4

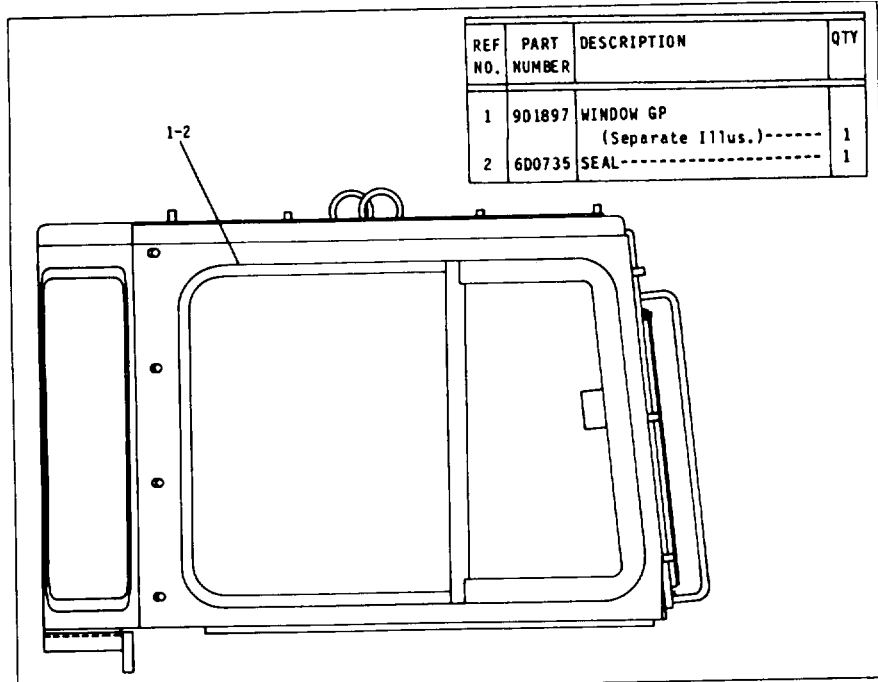
4	9D1743	SECTION AS.-----	1
5	5P0815	SEAL-----(2301n.)-----	1
	5R6300	SUPPORT AS.-----	1
	2G2963	SUPPORT AS.-----	1
	8D3508	BOSS-----	2
6	4V7695	BAR-----	1
	4V0379	BAR-----	1
	5R6765	PLATE-----	1
	5R6766	BLOCK-----	1
	5R6313	PLATE-----	1
7	2H6120	SCREW-----	2
8	6G0839	STRIP-----	1
9	266087	BUTTON-----	5

10	9D1494	GLASS-----	1
11	6D1064	SEAL-----	1
12	6K4936	BOLT-----	3
13	5M2894	WASHER-----	3
14	9D7193	ANGLE-----	1
15	5P0815	SEAL-----(10651n.)-----	1
16	4D4196	RIVET-----	2
17	4B4274	WASHER-----	2
18	3B4617	COTTER-----	1
19	7D1241	SEAL-----	1
20	2F5889	SPRING-----	1
21	5P0814	SEAL-----	1

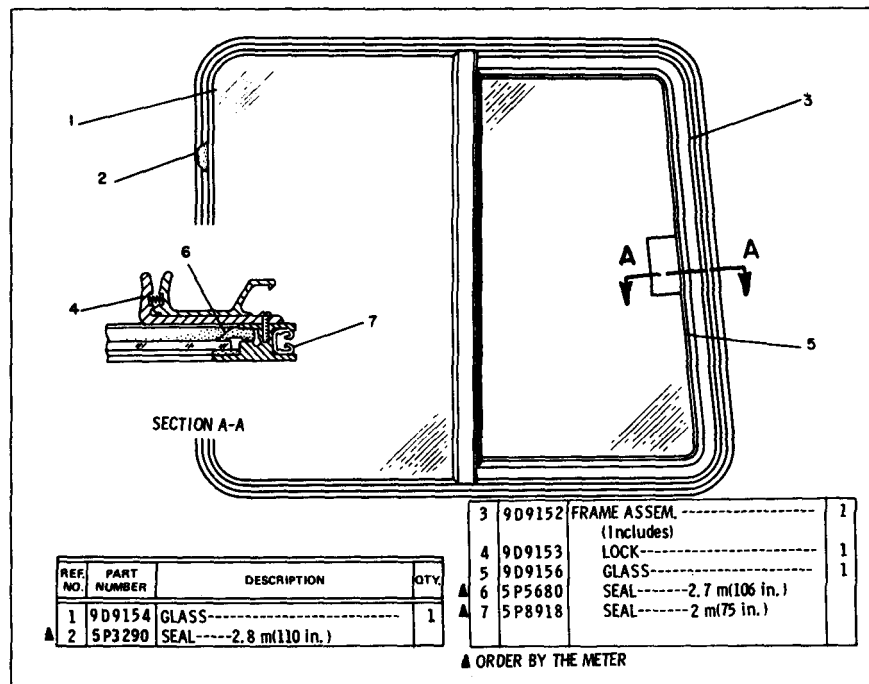
CATERPILLAR 621B TRACTOR



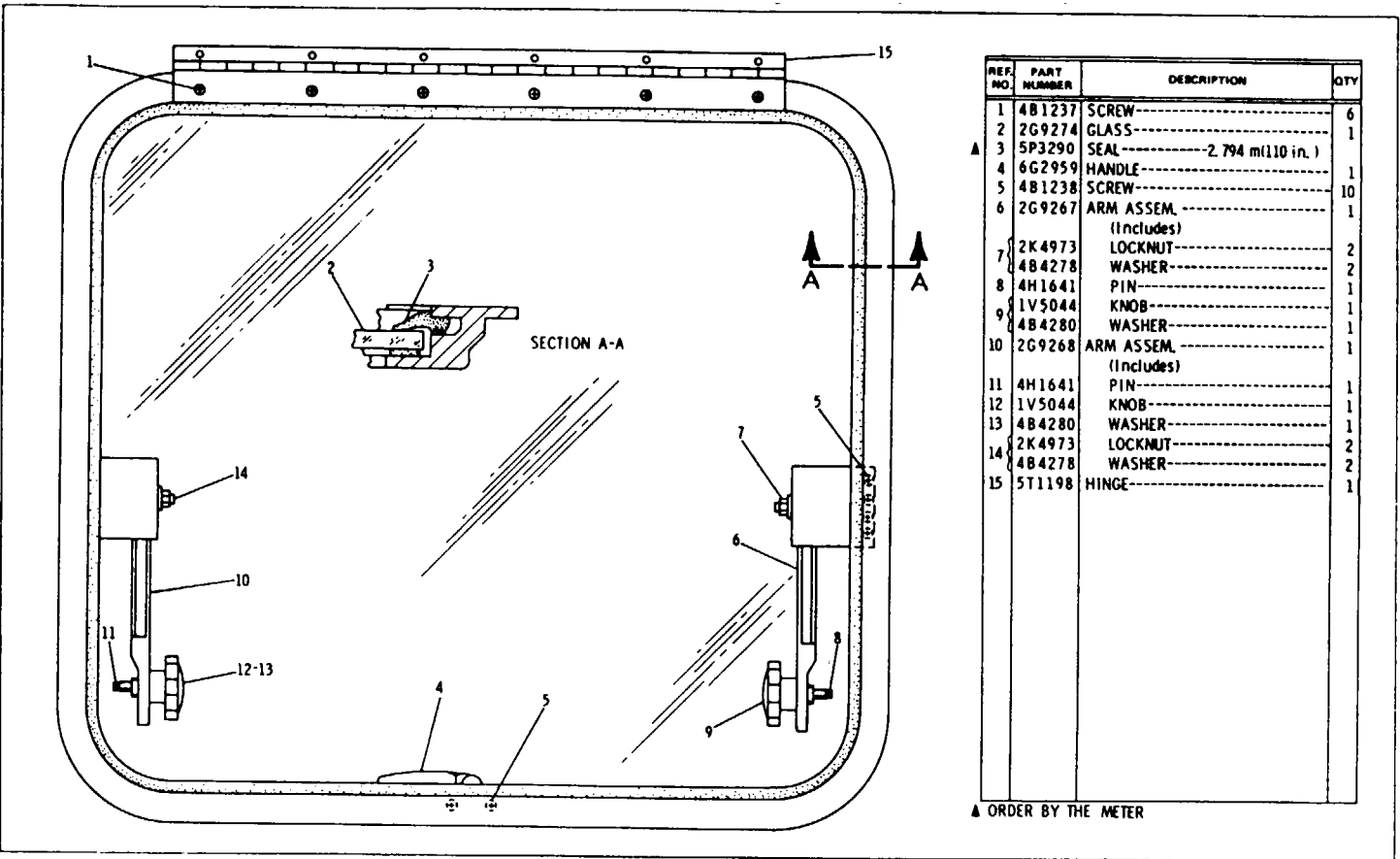
CAB, GAUGES AND ACCESSORIES



5R6689 ROLL-OVER PROTECTIVE SYSTEM (ENCLOSED) GROUP - Part 4 of 4



9D1897 CAB WINDOW GROUP
Part of 5R6689 Roll-Over Protective System Group shown above

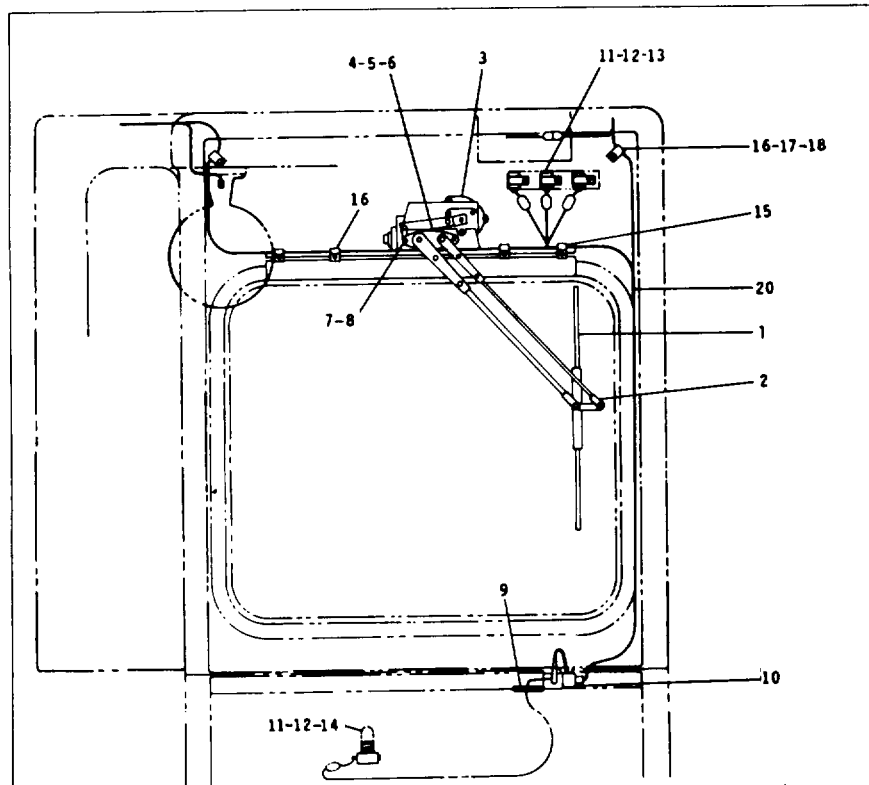


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4B1237	SCREW-----	6
2	2G9274	GLASS-----	1
3	5P3290	SEAL-----2.794 m(110 in.)	1
4	6G2959	HANDLE-----	1
5	4B1238	SCREW-----	10
6	2G9267	ARM ASSEM.-----	1
		(Includes)	
7	2K4973	LOCKNUT-----	2
	4B4278	WASHER-----	2
8	4H1641	PIN-----	1
9	1V5044	KNOB-----	1
	4B4280	WASHER-----	1
10	2G9268	ARM ASSEM.-----	1
		(Includes)	
11	4H1641	PIN-----	1
12	1V5044	KNOB-----	1
13	4B4280	WASHER-----	1
	2K4973	LOCKNUT-----	2
14	4B4278	WASHER-----	2
15	5T1198	HINGE-----	1

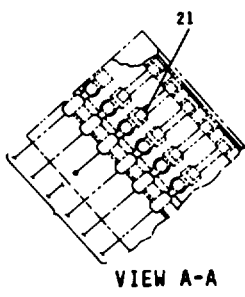
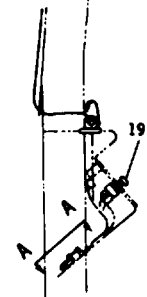
▲ ORDER BY THE METER

2G9280 CAB WINDSHIELD GROUP
 part of 5R6689 Roll-Over Protective System Group shown on Page 209

CAB, GAUGES AND ACCESSORIES

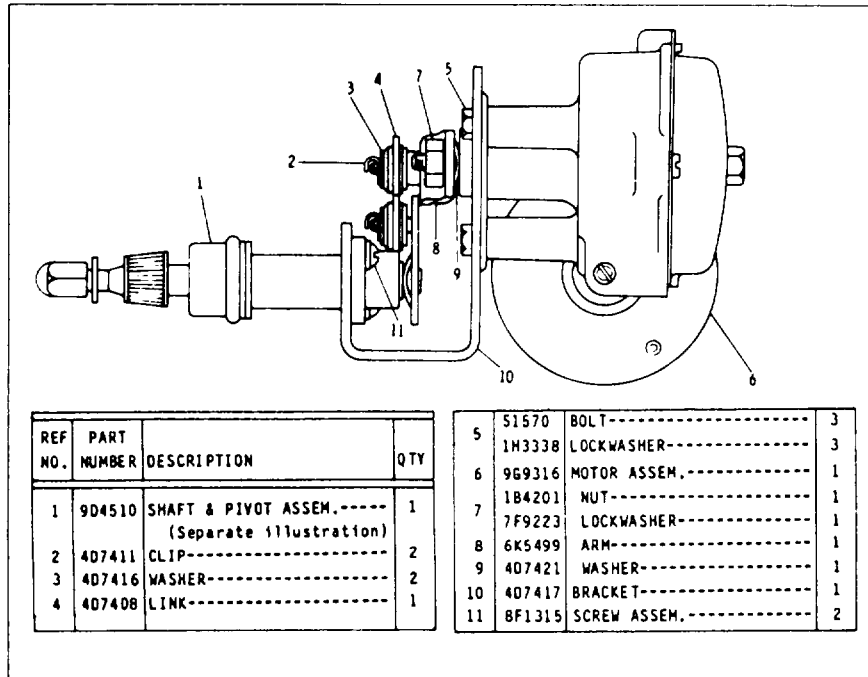


REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4K1077	BLADE AS.-----	1
2	5T3872	ARM AS.-----	1
3	3T181	WIPER GP.-----	1
4	9K7021	PIVOT AS.-----	1
5	9K7022	GASKET-----	1
6	4D7412	NUT-----	1
7	7F3541	BOLT-----	2
8	1H3244	LOCKWASHER-----	2
9	2G1133	GROMMET-----	1
10	3T3047	CLIP AS.-----	1
11	0S1614	BOLT-----	4
12	1H3338	LOCKWASHER-----	4
13	5R4717	CAPACITOR-----	3
14	5R4610	CAPACITOR-----	1
15	4D7794	CLIP-----	2
16	8M2772	CLIP-----	4
17	4F4879	BOLT-----	2
18	5M2894	WASHER-----	2
19	7G8169	SWITCH-----	1
20	5R6316	HARNESS AS.-----	1
21	3K8782	FUSE-----	1

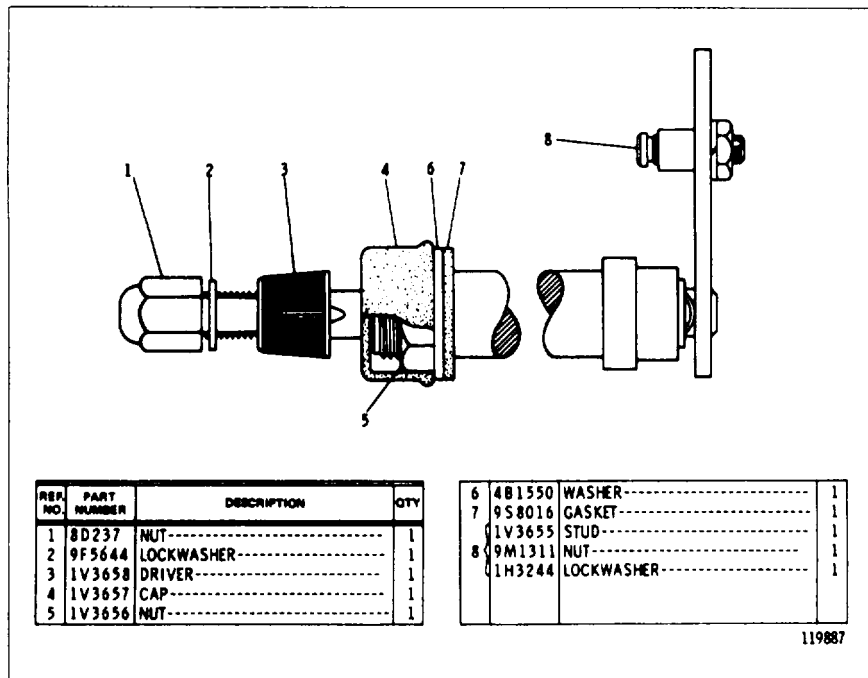


5R6736 WINDSHIELD WIPER GROUP
3T181 Wiper parts are shown on Page 212

CATERPILLAR 621B TRACTOR



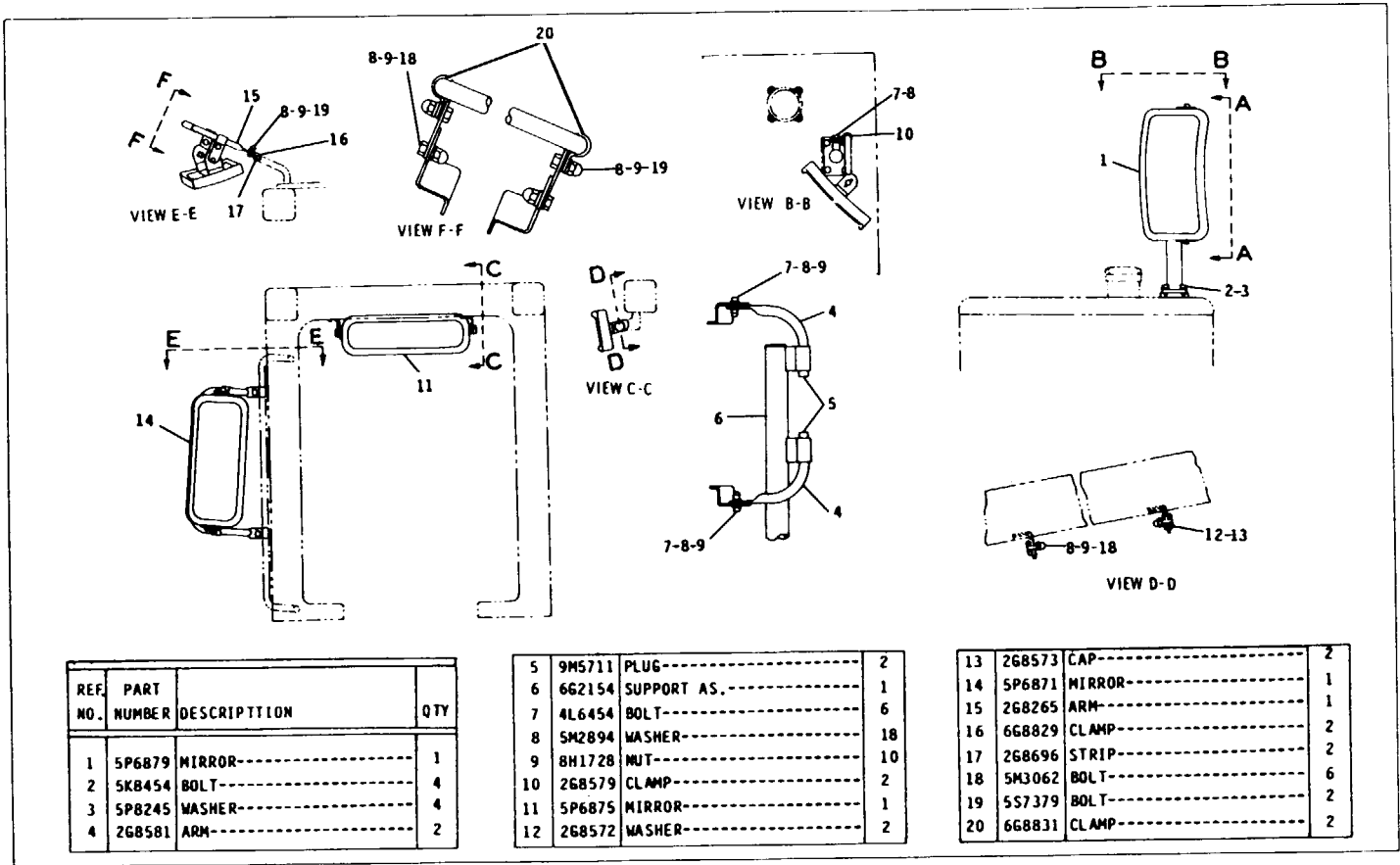
3T181 WIPER GROUP--24 Volt
 Part of 5R6736 Windshield Wiper Group shown on Page 211
 9D4510 Shaft & Link parts are shown below.



9D4510 SHAFT AND PIVOT ASSEMBLY
 Part of 3T181 Wiper Group shown above.

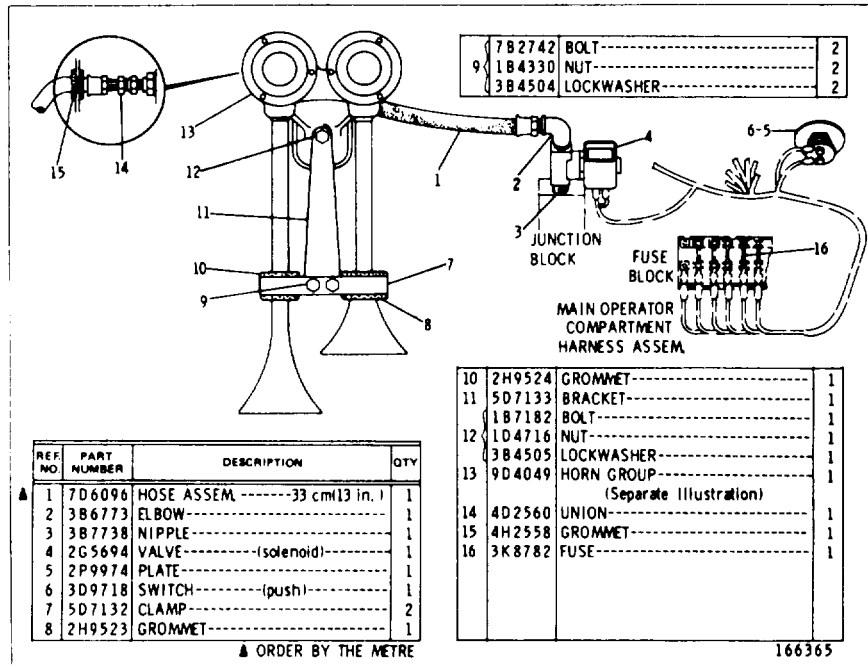
5R6686 REAR VIEW MIRROR GROUP

213



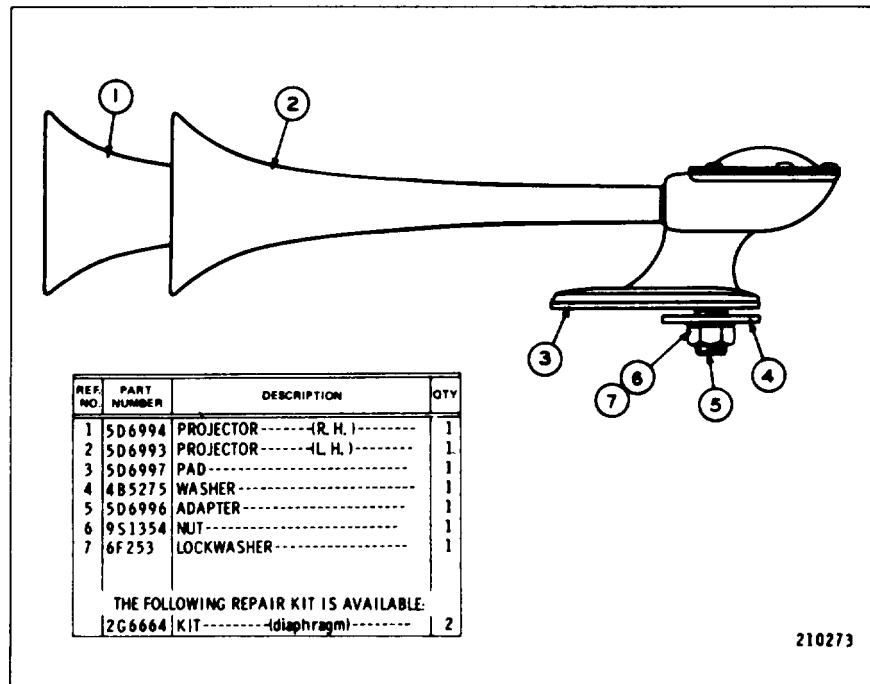
CAB, GAUGES AND ACCESSORIES

CATERPILLAR 621B TRACTOR

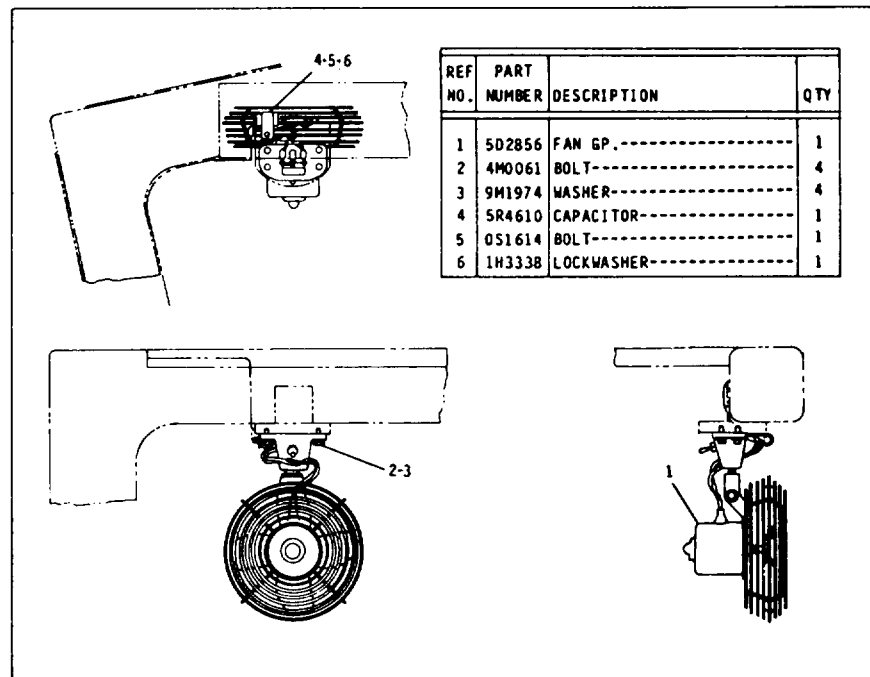


8D8130 AIR HORN GROUP
9D4049 Horn parts are shown on Page 215

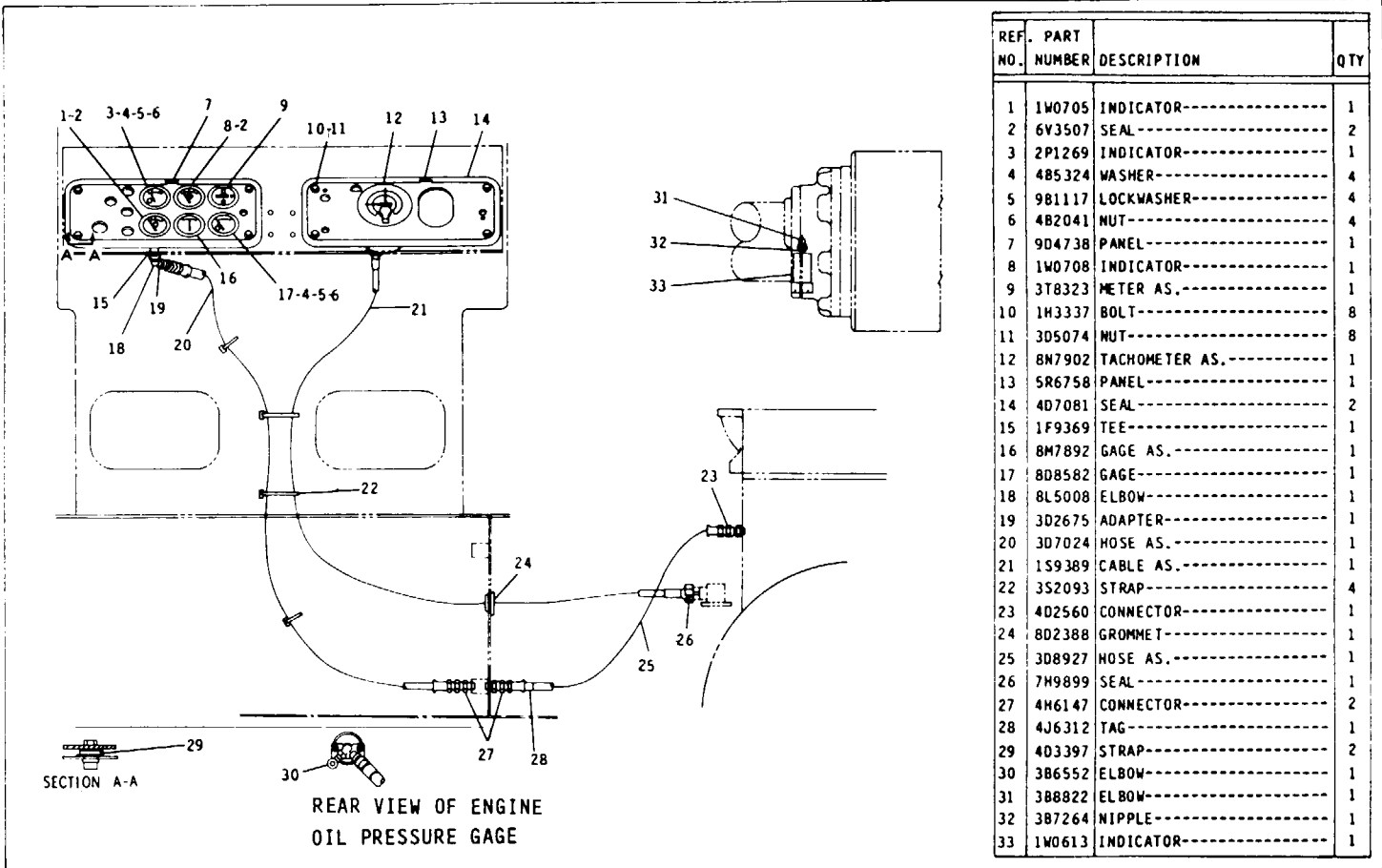
CAB, GAUGES AND ACCESSORIES



9D4049 AIR HORN GROUP
Part of 8D8130 Air Horn Group shown on Page 214



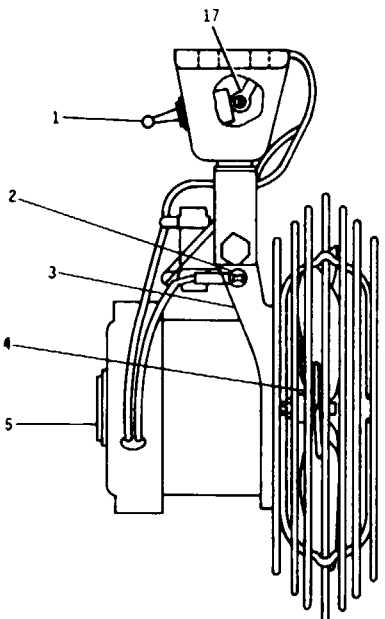
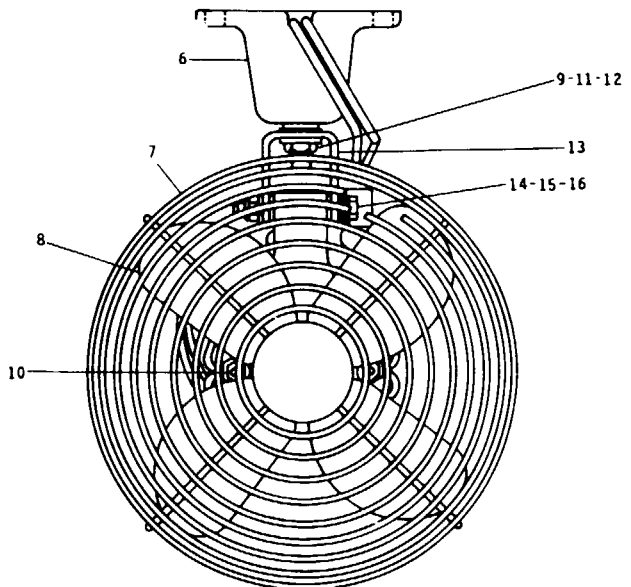
5R6679 GAUGE GROUP



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	1W0705	INDICATOR-----	1
2	6V3507	SEAL-----	2
3	2P1269	INDICATOR-----	1
4	4B5324	WASHER-----	4
5	9B1117	LOCKWASHER-----	4
6	4B2041	NUT-----	4
7	9D473B	PANEL-----	1
8	1W0708	INDICATOR-----	1
9	3T8323	METER AS.-----	1
10	1H3337	BOLT-----	8
11	3D5074	NUT-----	8
12	8N7902	TACHOMETER AS.-----	1
13	5R6758	PANEL-----	1
14	4D7081	SEAL-----	2
15	1F9369	TEE-----	1
16	8M7892	GAGE AS.-----	1
17	8D8582	GAGE-----	1
18	8L5008	ELBOW-----	1
19	3D2675	ADAPTER-----	1
20	3D7024	HOSE AS.-----	1
21	1S9389	CABLE AS.-----	1
22	3S2093	STRAP-----	4
23	4D2560	CONNECTOR-----	1
24	8D2388	GROMMET-----	1
25	3D8927	HOSE AS.-----	1
26	7H9899	SEAL-----	1
27	4H6147	CONNECTOR-----	2
28	4J6312	TAG-----	1
29	4D3397	STRAP-----	2
30	3B6552	ELBOW-----	1
31	3B8822	ELBOW-----	1
32	3B7264	NIPPLE-----	1
33	1W0613	INDICATOR-----	1

CAB, GAUGES AND ACCESSORIES

TM 5-3805-248-14&P-4



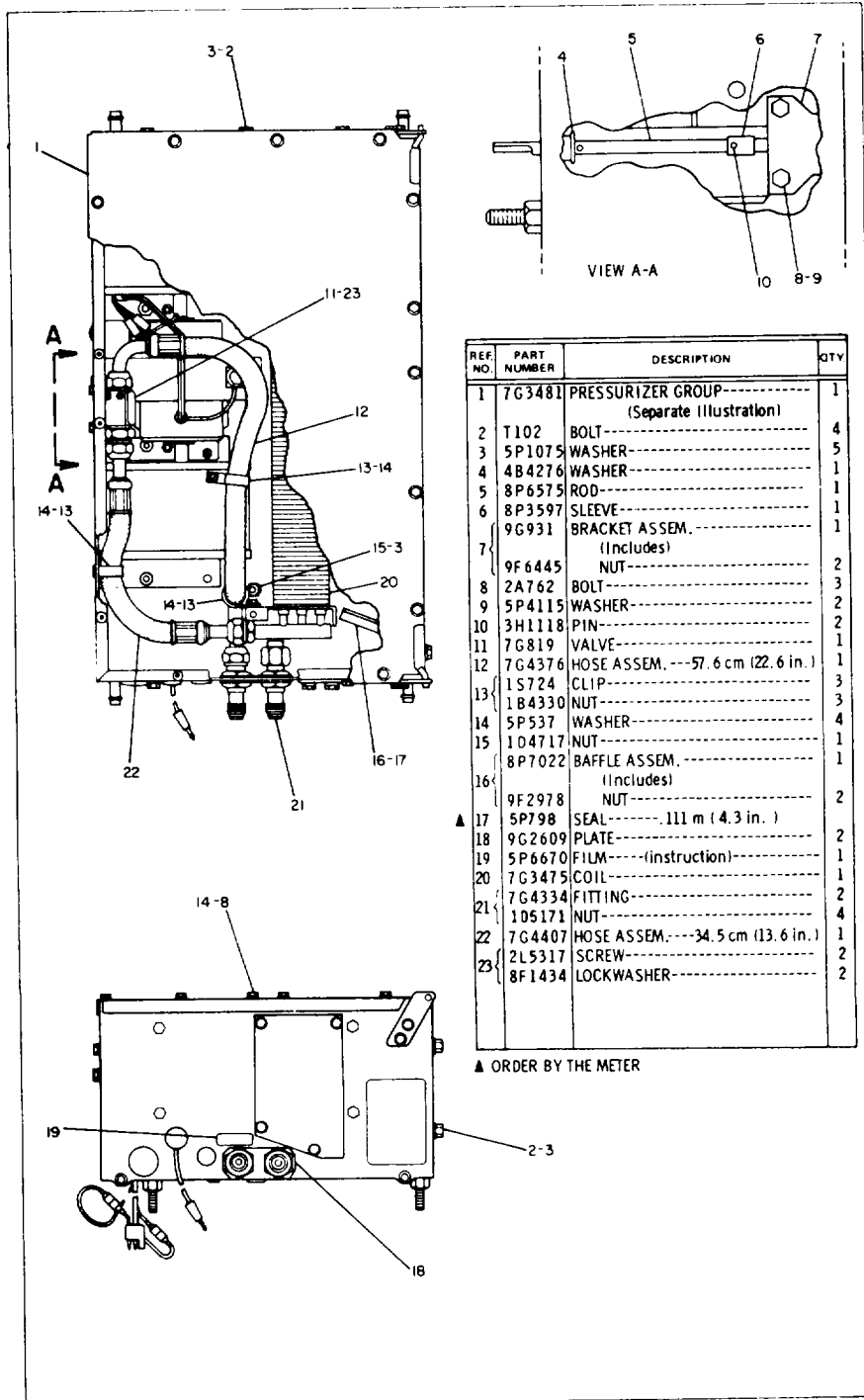
11	484277	WASHER-----	2
12	308752	LOCKNUT-----	1
13	308747	BRACKET-----	1
14	882377	BOLT-----	1
15	484276	WASHER-----	5
16	2L9038	NUT-----	1
17	2L8075	TERMINAL-----	2

4	7L8316	SETScrew-----	1
5	9G8183	MOTOR AS.-----	1
6	3T8637	BASE-----	1
7	308749	GUARD-----	1
8	308748	FAN AS.-----	1
9	1A2343	BOLT-----	1
10	1M1230	NUT & LOCK AS.-----	2

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	3D8754	SWITCH AS.-----	1
2	7H4543	SCREW-----	1
3	6G5987	BRACKET-----	1

5D2856 DEFROSTING FAN -24 VOLT
part of 5R6678 Defrosting Fan Group shown on Page 215

CATERPILLAR 621B TRACTOR



7G3482 HEATER GROUP
 Part of 7G4770 Heater Group shown on Page 227
 7G3481 Pressurizer parts are shown on Page 219

CAB, GAUGES AND ACCESSORIES

REF NO.	PART NUMBER	DESCRIPTION	QTY.
1	6P1296	SEAL-----	2
2	1D4717	NUT-----	4
3	5M2894	WASHER-----	6
4	7G7808	BRACKET ASSEM.-----	1
		(Includes)	
	1F750	NUT-----	2
5	5N3175	PLUG-----	4
6	4H411	PLUG-----	2
7	6P1298	STRAP-----	1
8	7G4498	GROMMET-----	1
9	1P6550	WHEEL-----	1
10	8P4324	HOUSING ASSEM.-----	1
11	2A762	BOLT-----	27
12	5P537	WASHER-----	33
13	5P7689	PLUG-----	4
14	7G4497	CASE ASSEM.-----	1
		(Separate Illustration)	
15	9P2217	MOTOR ASSEM.-----	1
		(Includes)	
	2P5145	BRUSH-----	2
	5P5694	CONNECTOR-----	3
▲ 16	5P879	SEAL-----,2 m(8 in.)	1
17	S509	BOLT-----	2
18	2H4499	LOCK-----	1
19	3P2866	WHEEL-----	1
20	8P4325	HOUSING ASSEM.-----	1
21	7G4767	INSULATION-----	1
	7G4501	COVER ASSEM.-----	1
22		(Includes)	
	1J7581	NUT-----	2
23	8P7065	PLUG-----	1
24	8P7066	LABEL-----	1
25	9G1917	PLATE ASSEM.-----	1
26	4S6336	BUTTON-----	3
27	5K3546	PLUG-----	1
28	7G4299	HARNESS ASSEM.-----	1
		(Separate Illustration)	
29	1B4330	NUT-----	6
30	689941	TIE-----	1
31	2V3216	CLIP-----	1
32	9G1916	GROMMET-----	1
33	S1613	BOLT-----	9
34	3B4504	LOCKWASHER-----	8
35	4B2049	NUT-----	2
36	9F8125	LOCKWASHER-----	4
37	8L6521	BOLT-----	2
	4B4274	WASHER-----	2
38	8P1291	PLATE-----	2

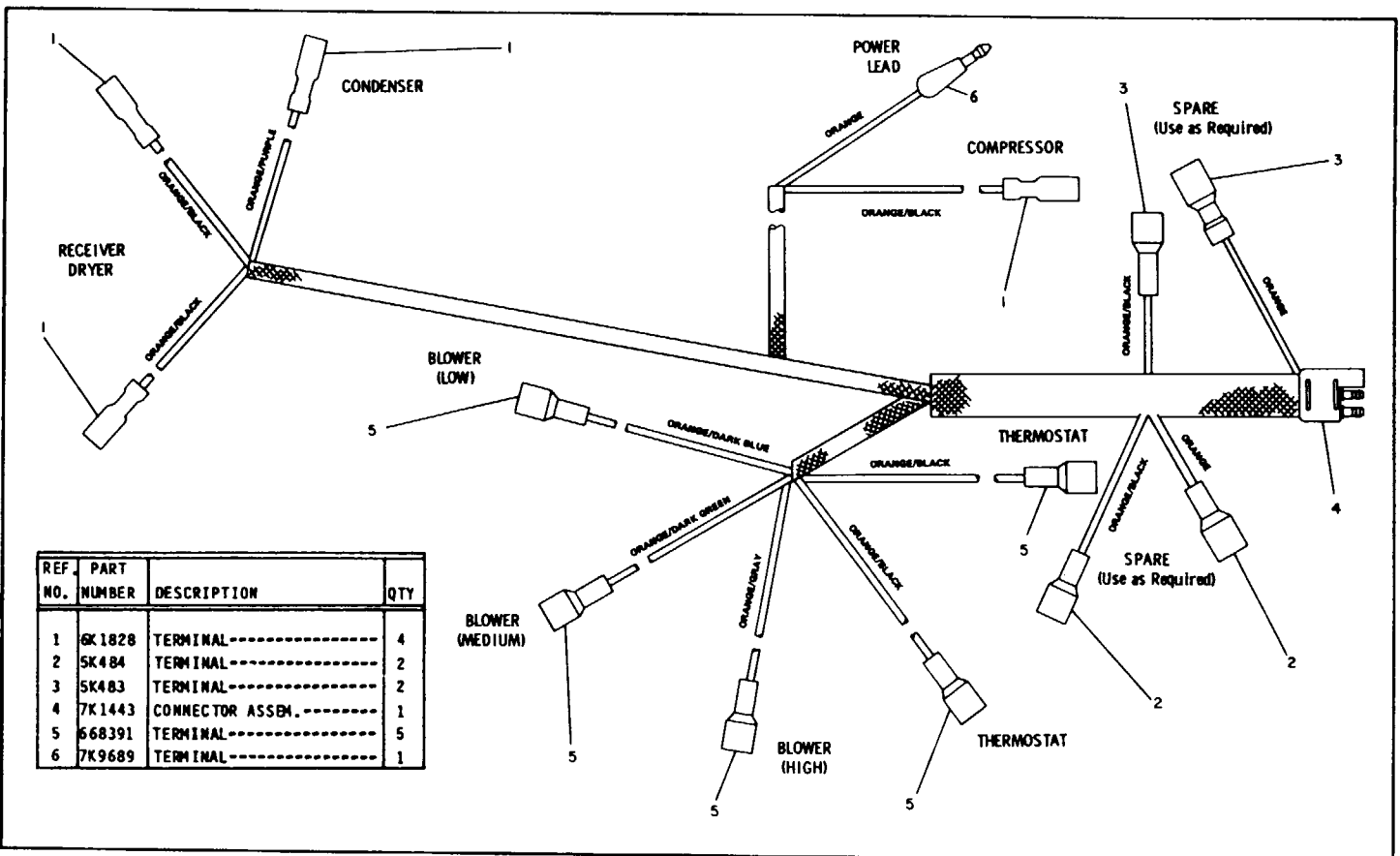
▲ ORDER BY THE METER--
Use as Required

7G3481 PRESSURIZER GROUP

Part of 7G3482 Heater & 3P7756 Return Air Console Group shown on Pages 218 and 223
7G4299 Harness & 7G4497 Case parts are shown on Page 220

CATERPILLAR 621B TRACTOR

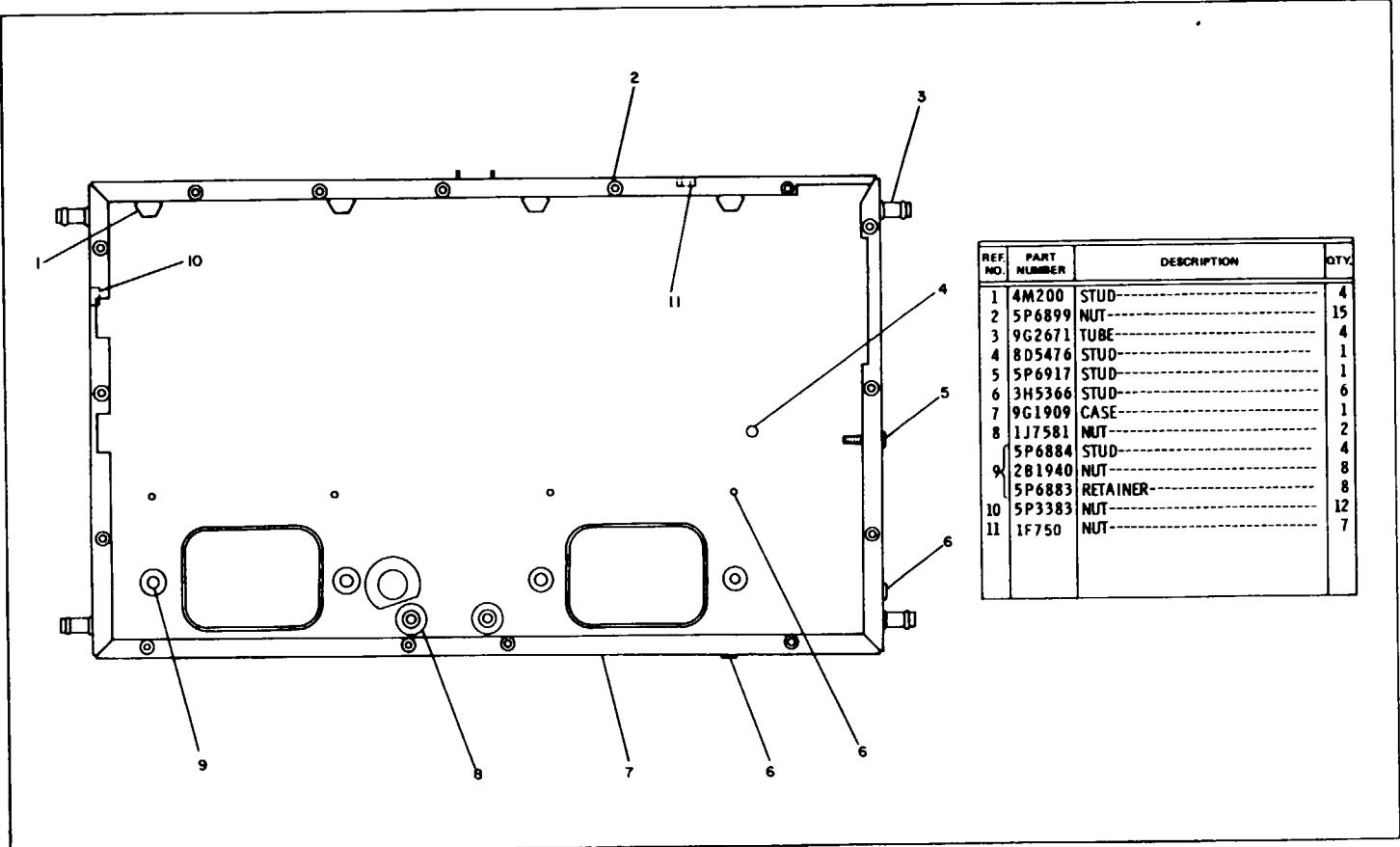
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7G4299 HARNESS ASSEMBLY
Part of 7G3481 Pressurizer Group shown on Page 219

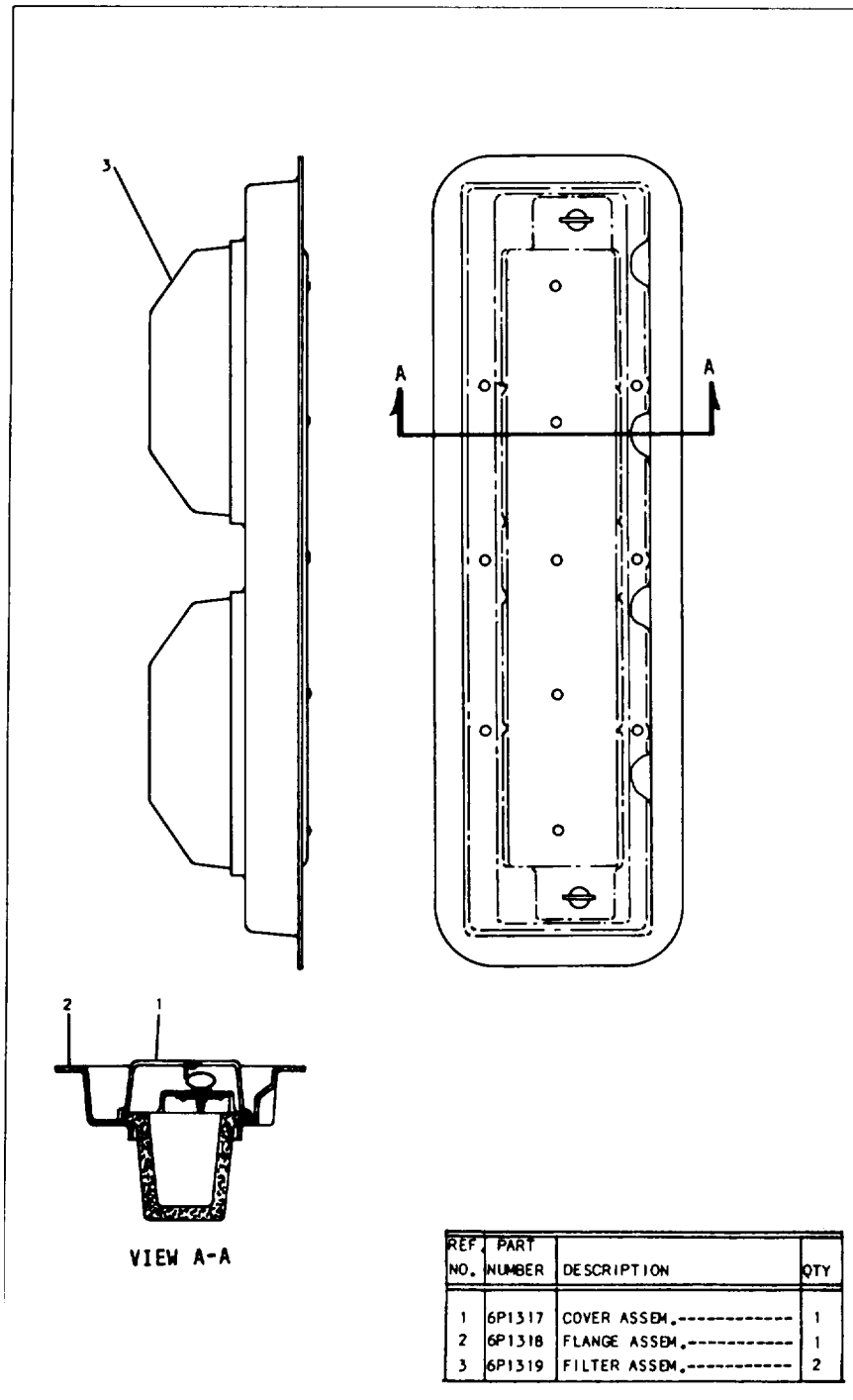
CATERPILLAR 621B TRACTOR

REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	4M200	STUD-----	4
2	5P6899	NUT-----	15
3	9G2671	TUBE-----	4
4	8D5476	STUD-----	1
5	5P6917	STUD-----	1
6	3H5366	STUD-----	6
7	9G1909	CASE-----	1
8	1J7581	NUT-----	2
	5P6884	STUD-----	4
9	2B1940	NUT-----	8
	5P6883	RETAINER-----	8
10	5P3383	NUT-----	12
11	1F750	NUT-----	7



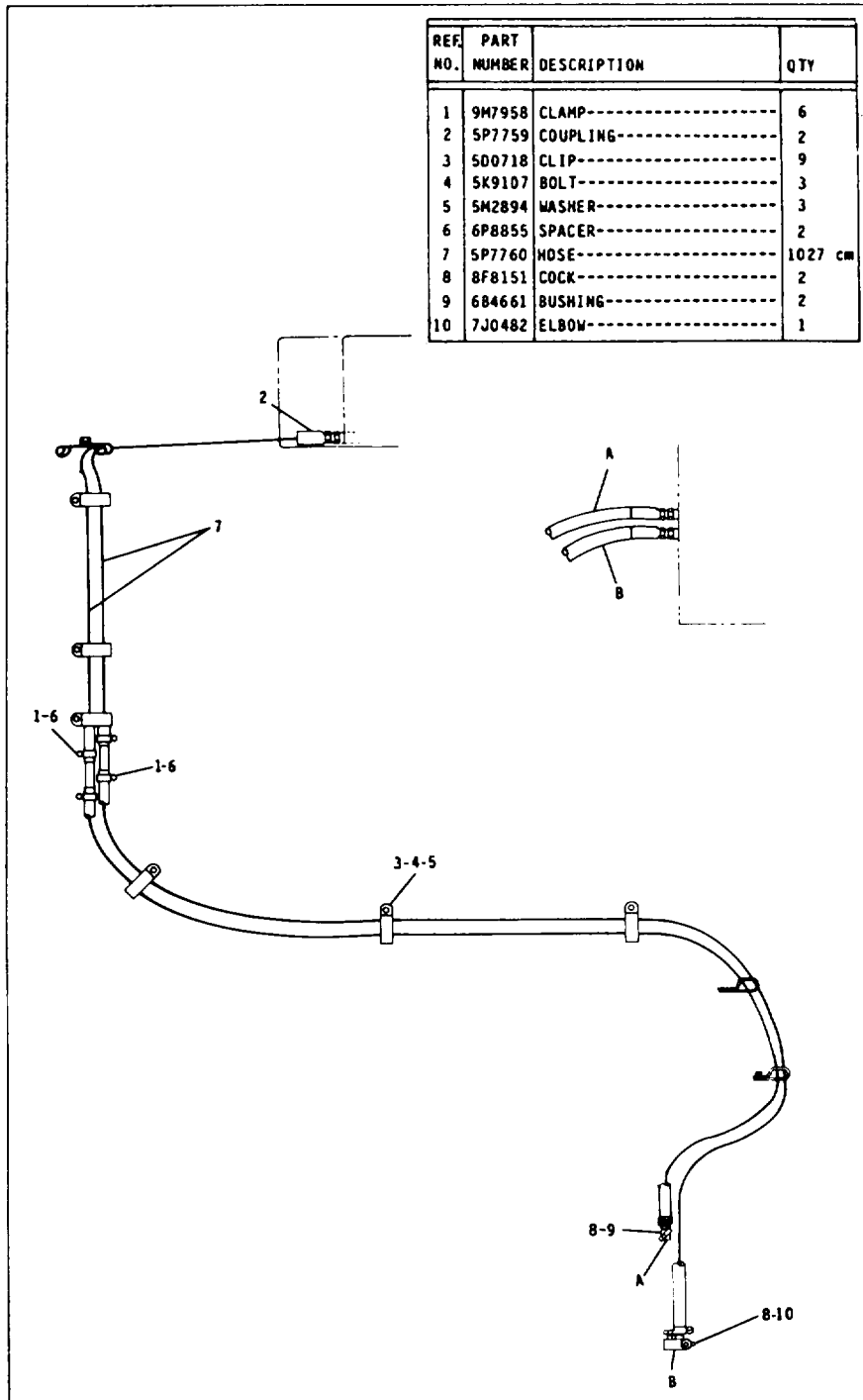
7G4497 CASE ASSEMBLY
 Part of 7G3481 Pressurizer Group shown on Page 219

CAB, GAUGES AND ACCESSORIES



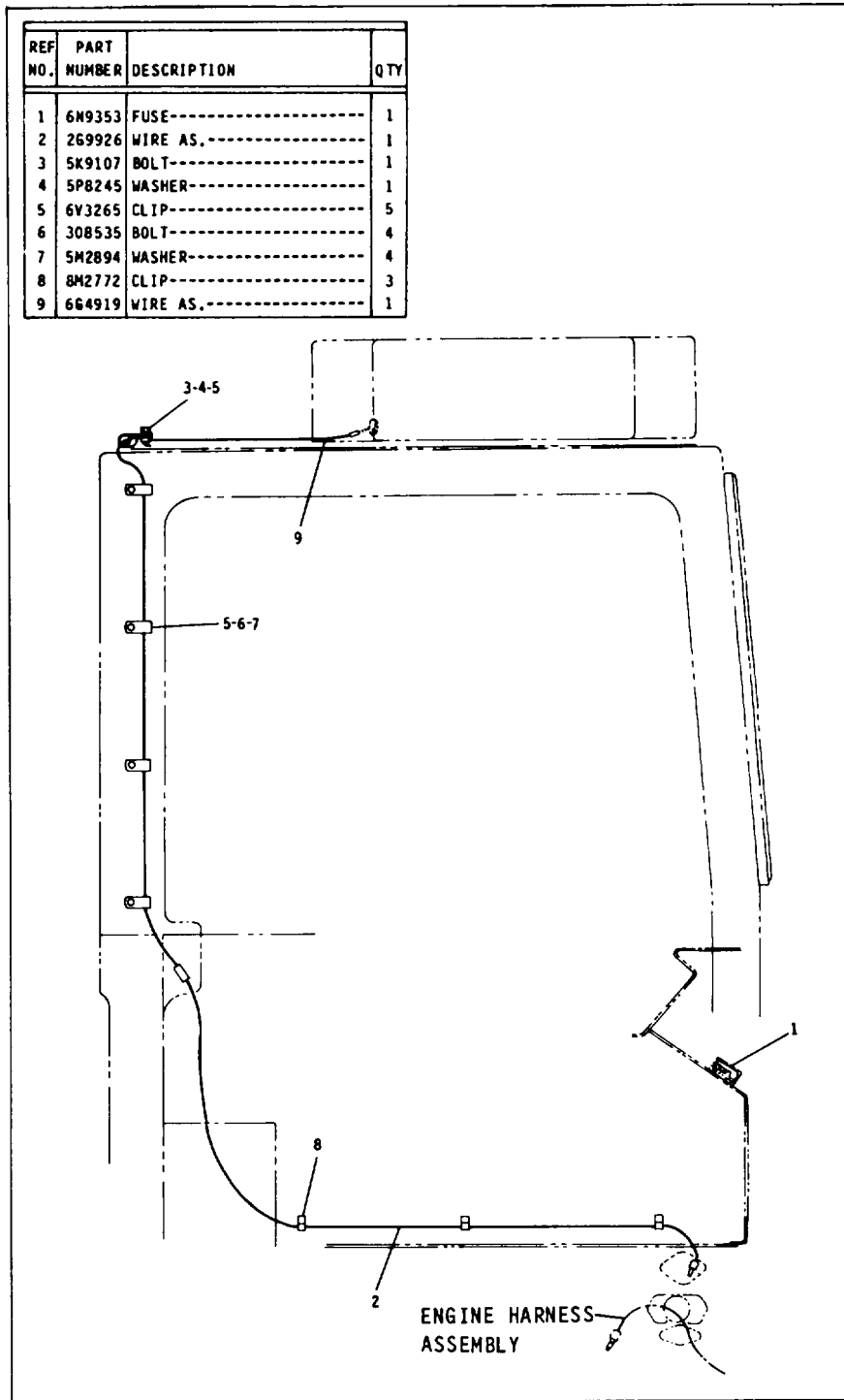
3P7756 RETURN AIR CONSOLE GROUP
 Part of 5R6681 Heater & Mounting Groups shown on Page 226

CATERPILLAR 621B TRACTOR



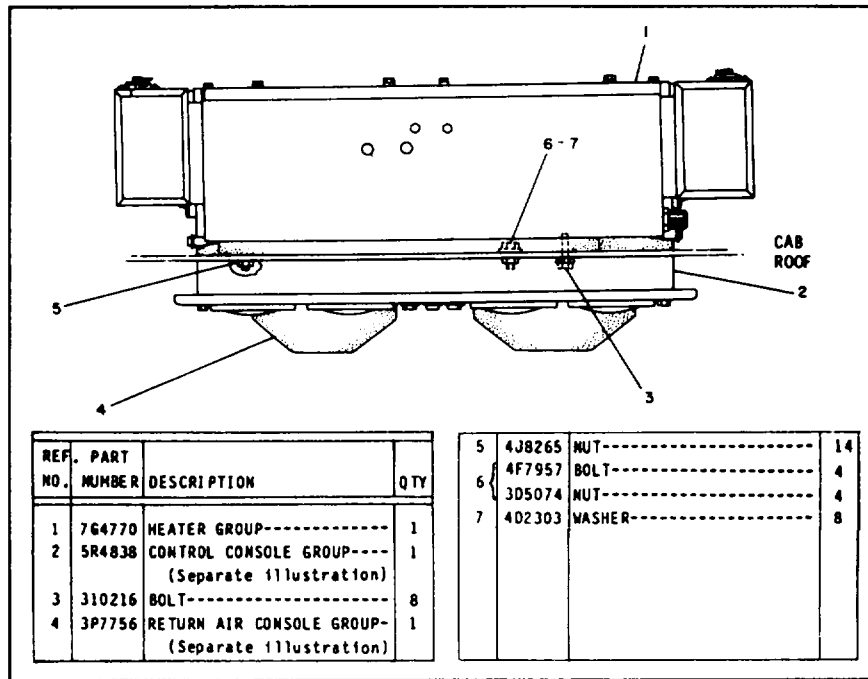
5R6684 HEATER LINES GROUP

CAB, GAUGES AND ACCESSORIES



5R6691 HEATER WIRING GROUP

CATERPILLAR 621B TRACTOR

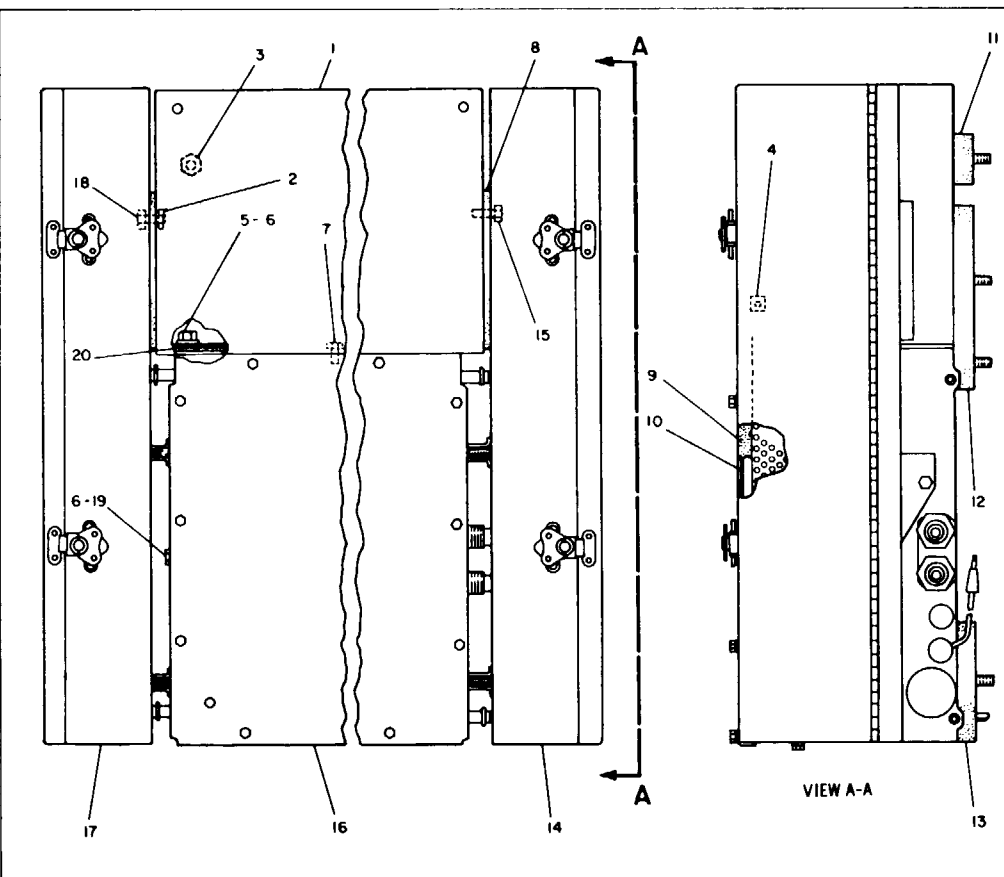


5R6681 HEATER AND MOUNTING GROUP
 3P7756 Console, 7G4770 Heater & 5R4838 Console parts
 are shown on Pages 223, 227 and 228

CAB, GAUGES AND ACCESSORIES

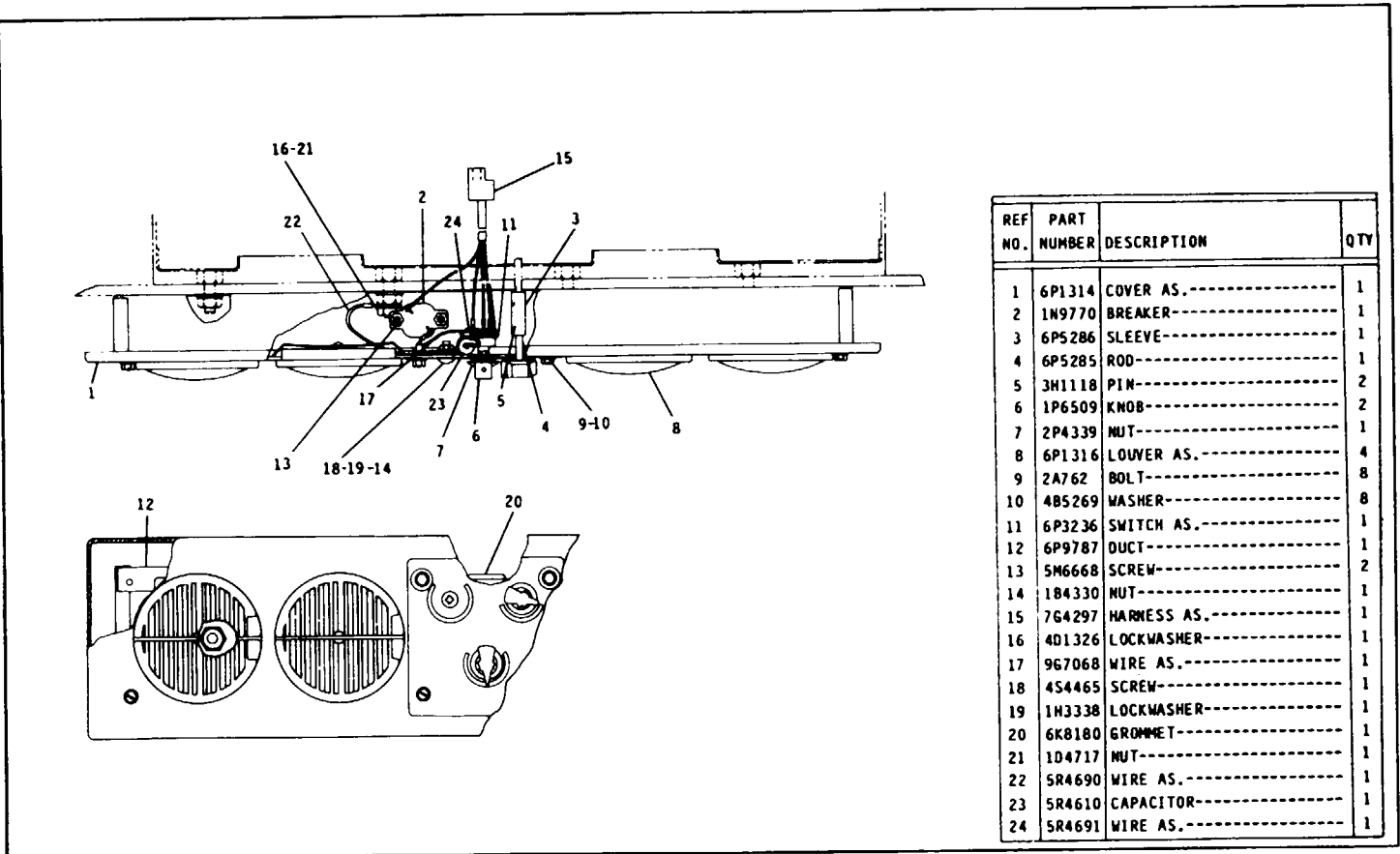
REF. NO.	PART NUMBER	DESCRIPTION	QTY.
1	6P3857	PLENUM ASSEM. -----	1
		(Includes)	
1	5J489	WASHER-----	7
2	2B1940	NUT-----	6
3	5P6883	RETAINER-----	6
3	4M200	STUD-----	6
4	5P3383	NUT-----	6
5	5S09	BOLT-----	7
6	5M2894	WASHER-----	9
7	2A762	BOLT-----	1
7	5P537	WASHER-----	1
8	6P1291	SEAL-----	2
9	9P4246	SEAL-----	2
10	6P1290	FILTER-----	2
11	1P6500	SEAL-----	4
12	6P1285	SEAL-----	1
13	6P1286	SEAL-----	1
14	6P3855	HOUSING ASSEM. -----	1
		(Includes)	
15	S1616	BOLT-----	3
16	7G3482	HEATER GROUP-----	1
		(Separate Illustration)	
17	6P3856	HOUSING ASSEM. -----	1
		(Includes)	
	S1616	BOLT---25.4 mm(1 in.)long---	3
18	9F7022	BOLT---48.1 mm(1.50 in.)long---	4
	5P4115	WASHER-----	7
19	T102	BOLT-----	2
20	7G7810	SEAL-----	1

176061



7G4770 HEATER GROUP
 part of 5R6681 Heater & Mounting Group shown on Page 226
 7G3482 Heater parts are shown on Page 218

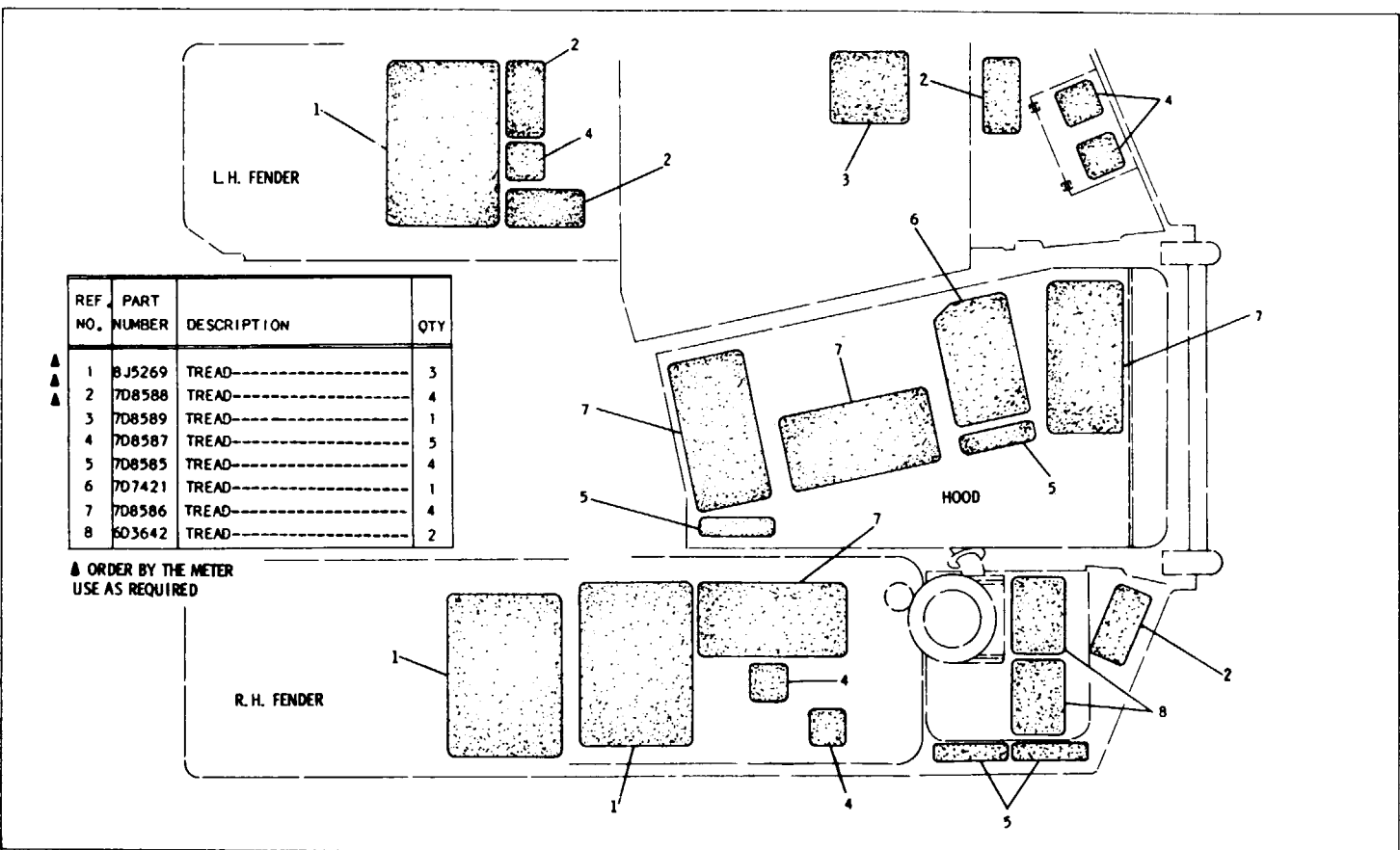
CATERPILLAR 621B TRACTOR



REF NO.	PART NUMBER	DESCRIPTION	QTY
1	6P1314	COVER AS.-----	1
2	1N9770	BREAKER-----	1
3	6P5286	SLEEVE-----	1
4	6P5285	ROD-----	1
5	3M1118	PIN-----	2
6	1P6509	KNOB-----	2
7	2P4339	NUT-----	1
8	6P1316	LOUVER AS.-----	4
9	2A762	BOLT-----	8
10	4B5269	WASHER-----	8
11	6P3236	SWITCH AS.-----	1
12	6P9787	DUCT-----	1
13	5M6668	SCREW-----	2
14	1B4330	NUT-----	1
15	7G4297	HARNES AS.-----	1
16	4D1326	LOCKWASHER-----	1
17	9G7068	WIRE AS.-----	1
18	4S4465	SCREW-----	1
19	1N3338	LOCKWASHER-----	1
20	6K8180	GROMMET-----	1
21	1D4717	NUT-----	1
22	5R4690	WIRE AS.-----	1
23	5R4610	CAPACITOR-----	1
24	5R4691	WIRE AS.-----	1

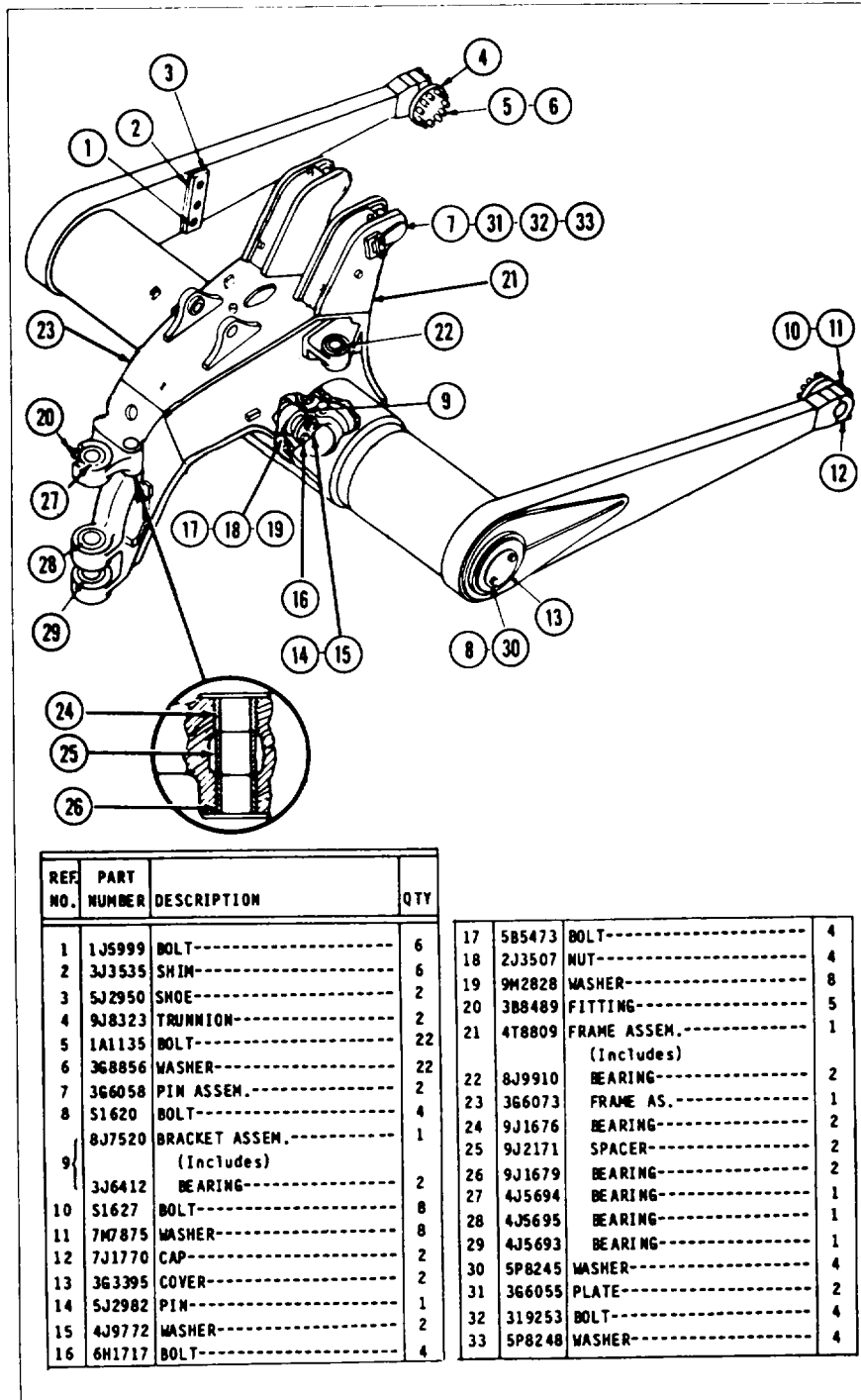
5R4838 CONTROL CONSOLE GROUP
Part of 5R6681 Heater and Mounting Group shown on Page 226

CAB, GAUGES AND ACCESSORIES



8D8180 SAFETY TREAD GROUP

CATERPILLAR 621B SCRAPER



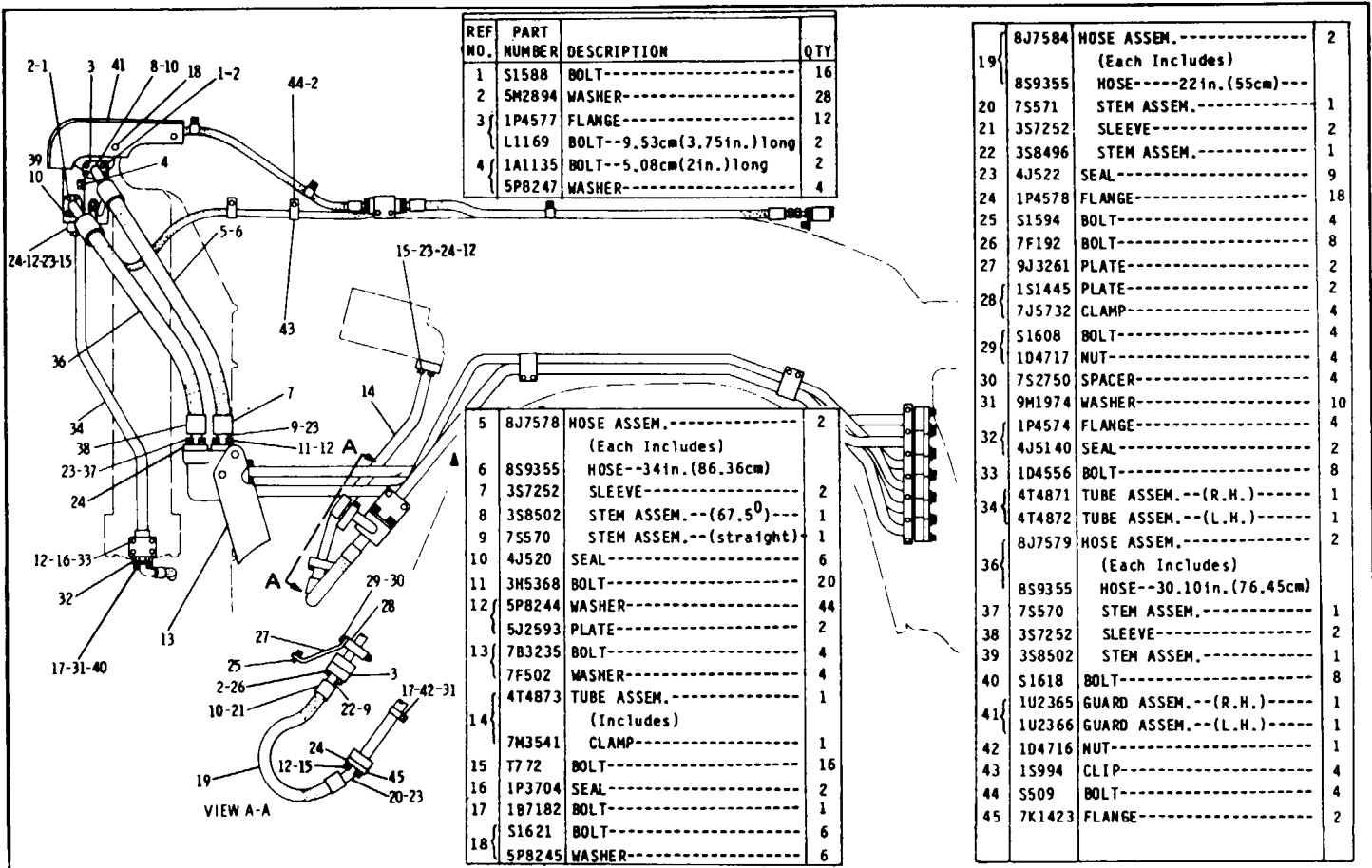
8J7698 DRAFT FRAME GROUP

CATERPILLAR 621B SCRAPER

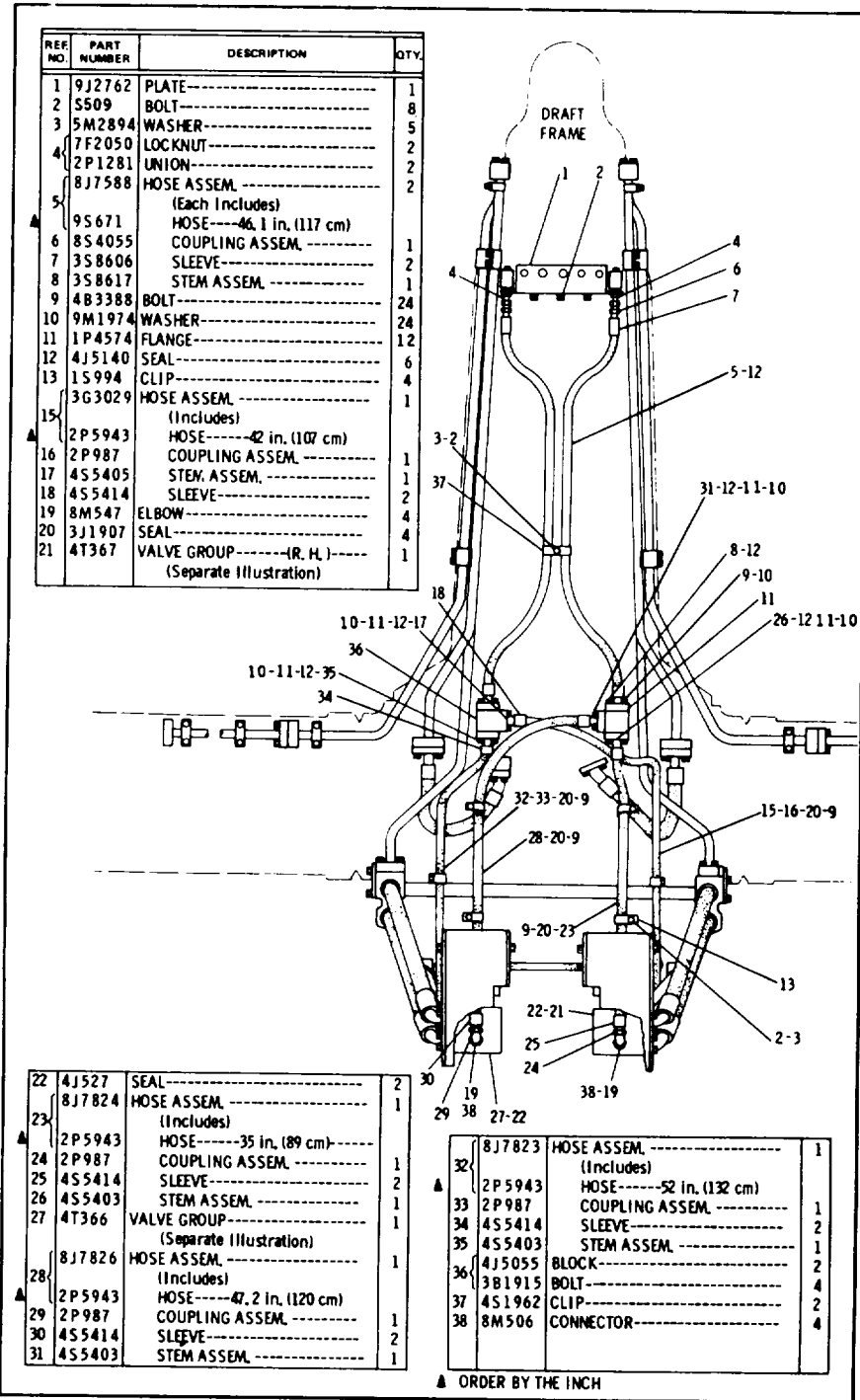
TM 5-3805-248-14&P-4

8J7822 DRAFT FRAME LINES GROUP - Side View - Part 1 of 3

231

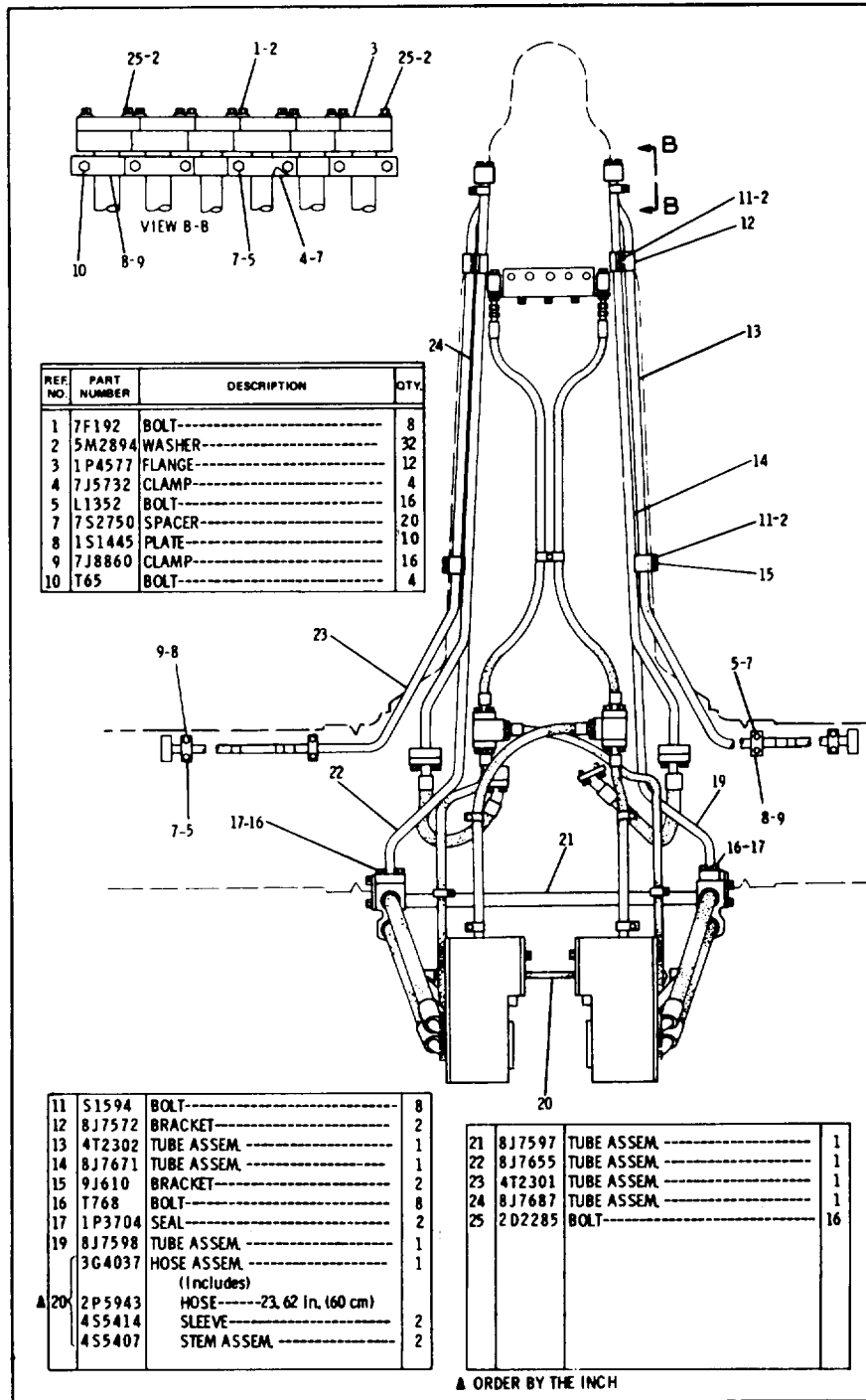


CATERPILLAR 621B SCRAPER



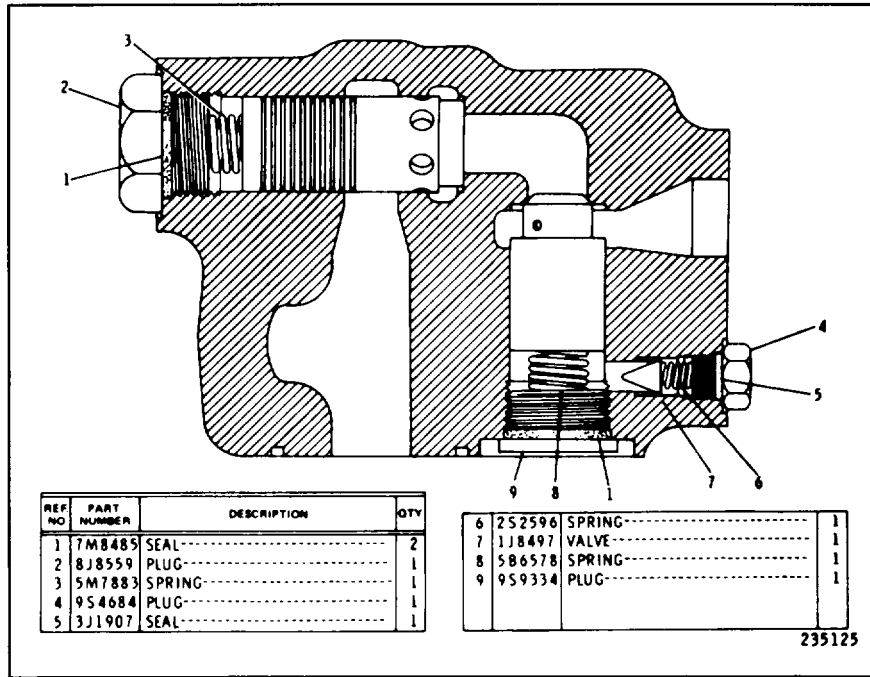
8J7822 DRAFT FRAME LINES GROUP-Top View-Part 2 of 3
4T366 & 4T367 Valve parts are shown on Page 234

CATERPILLAR 621B SCRAPER



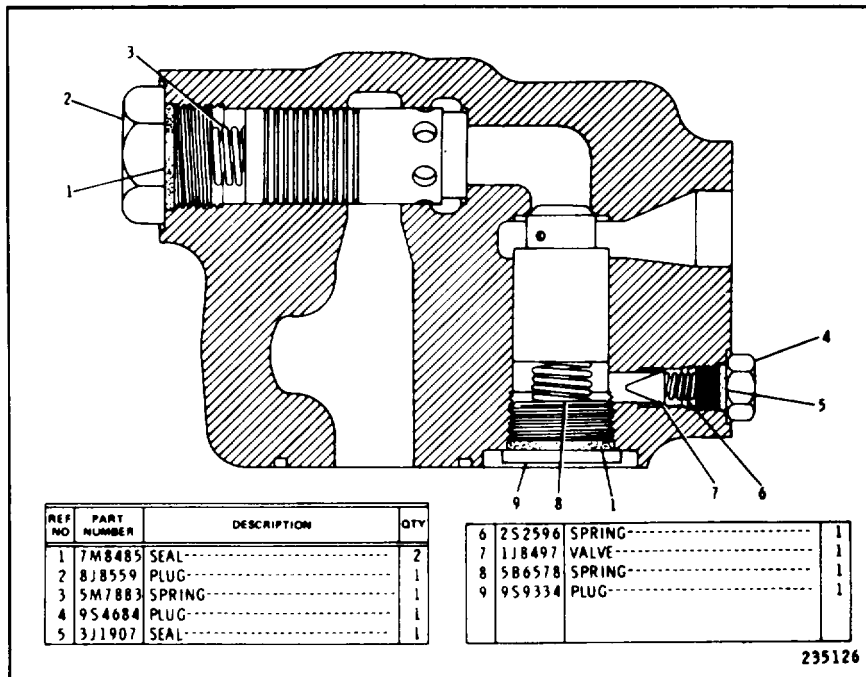
8J7822 DRAFT FRAME LINES GROUP - Top View - Part 3 of 3

CATERPILLAR 621B SCRAPER



4T366 CHECK VALVE GROUP

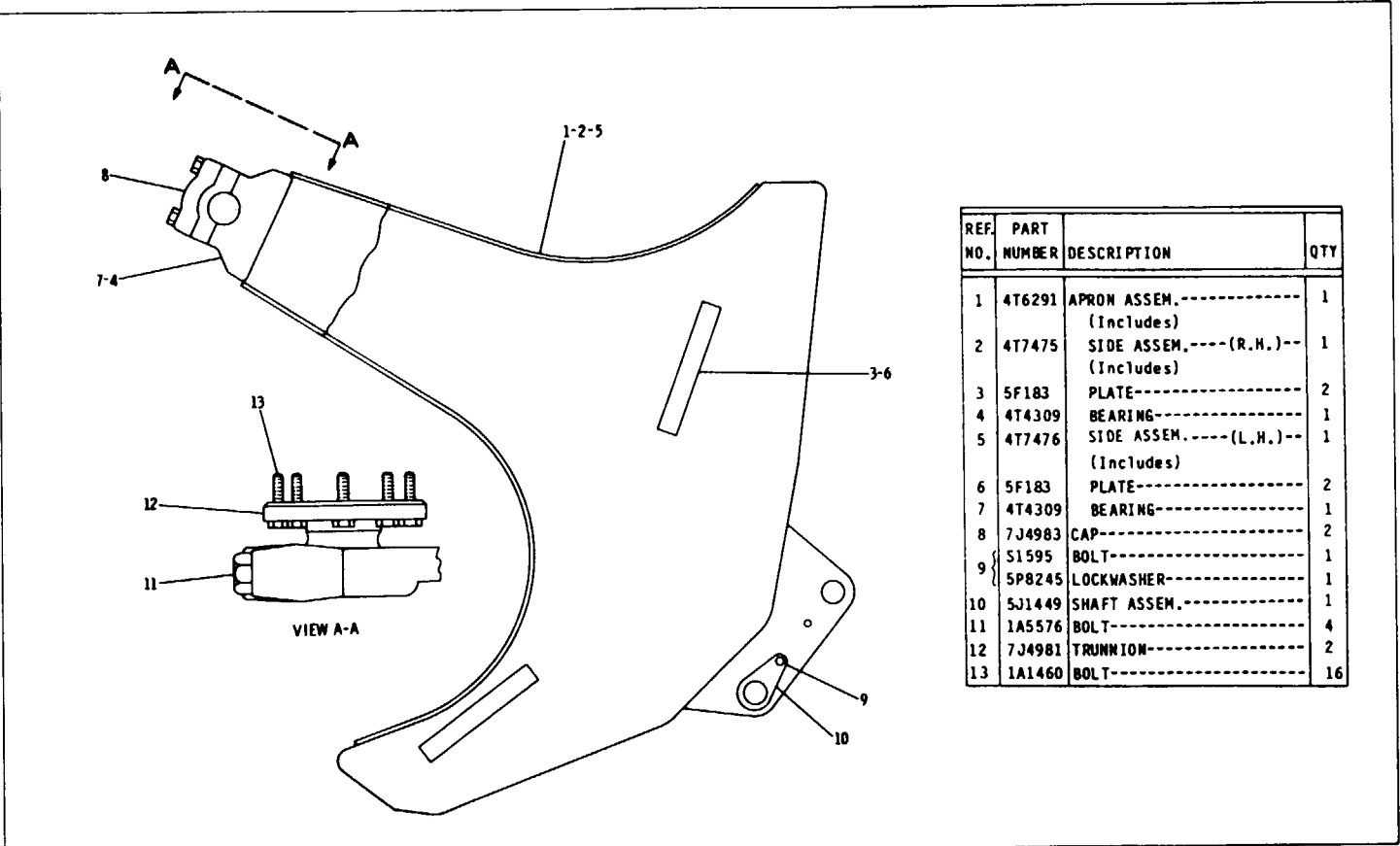
Part of 8J7822 Draft Frame Lines Group shown on Page 233



4T367 CHECK VALVE GROUP

Part of 8J7822 Draft Frame Lines Group shown on Page 233

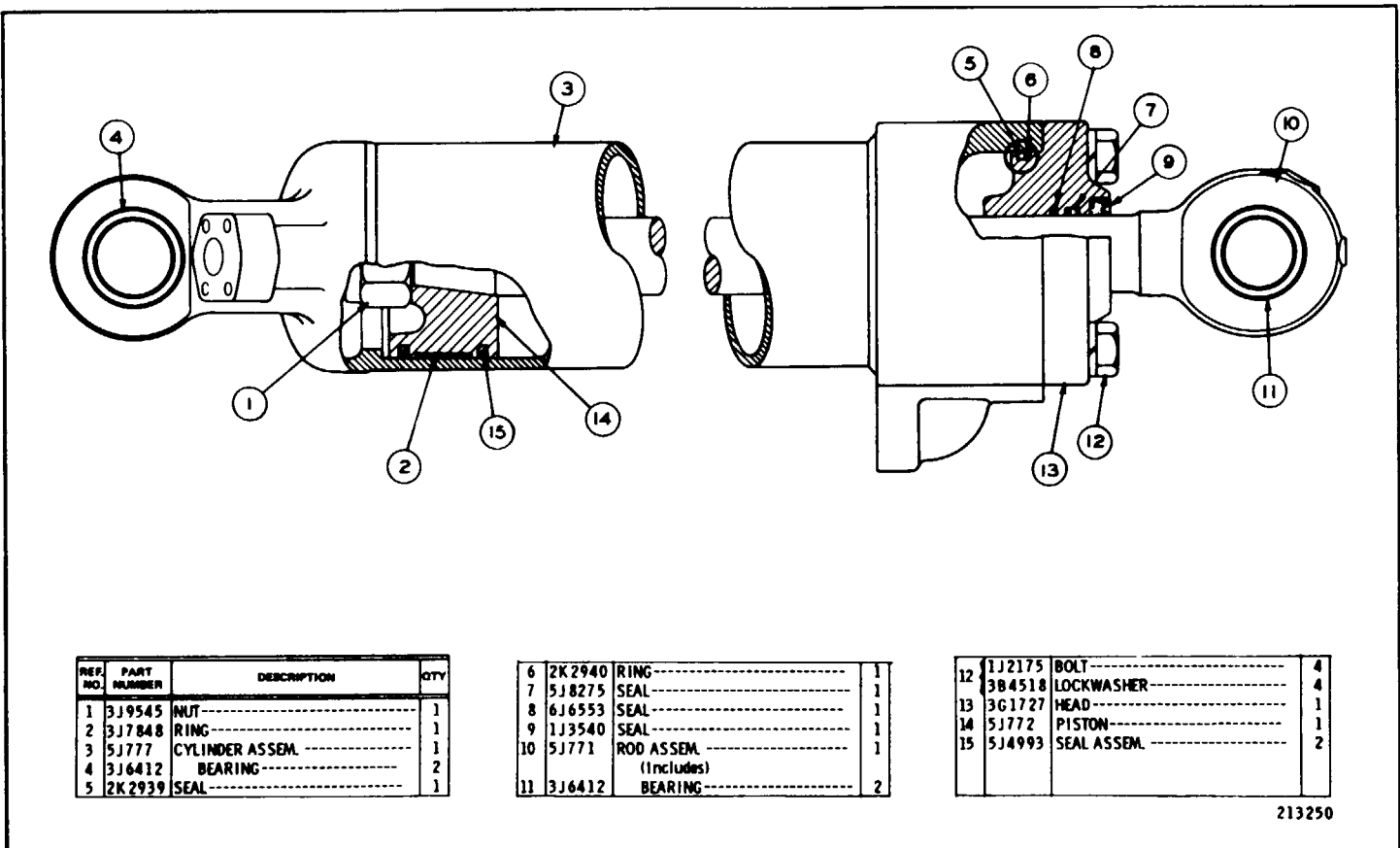
CATERPILLAR 621B SCRAPER



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	4T6291	APRON ASSEM.----- (Includes)	1
2	4T7475	SIDE ASSEM.----(R.H.)-- (Includes)	1
3	5F183	PLATE-----	2
4	4T4309	BEARING-----	1
5	4T7476	SIDE ASSEM.----(L.H.)-- (Includes)	1
6	5F183	PLATE-----	2
7	4T4309	BEARING-----	1
8	7J4983	CAP-----	2
9	51595	BOLT-----	1
	5P8245	LOCKWASHER-----	1
10	5J1449	SHAFT ASSEM.-----	1
11	1A5576	BOLT-----	4
12	7J4981	TRUNNION-----	2
13	1A1460	BOLT-----	16

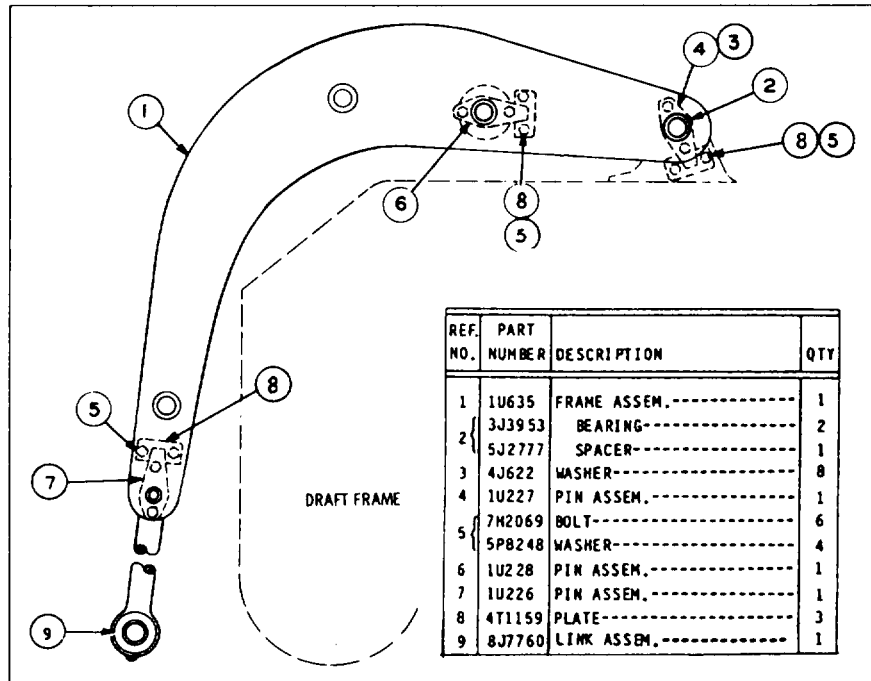
4T3752 APRON GROUP

CATERPILLAR 621B SCRAPER

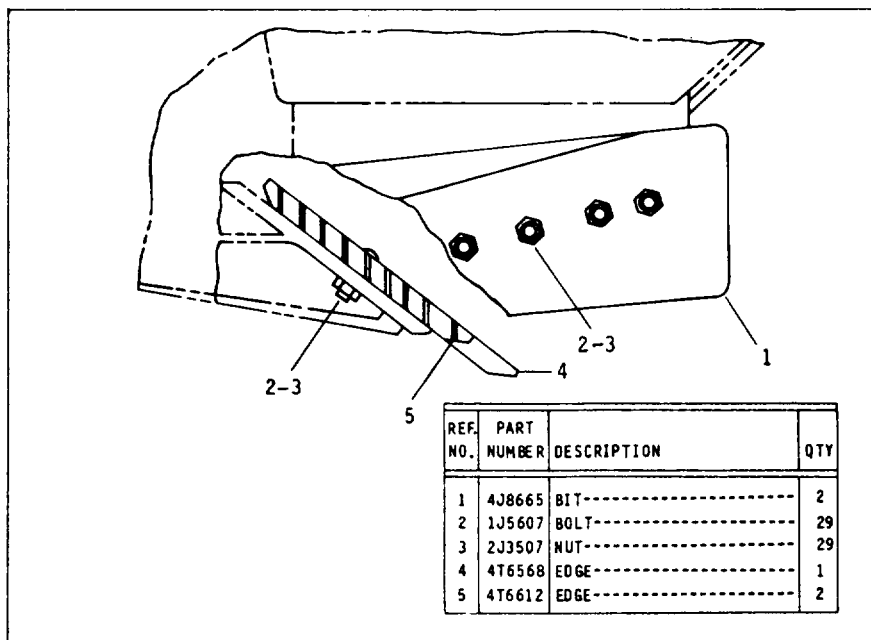


5J778 APRON CYLINDER GROUP -184 mm (7.25") Bore x 596 mm (23.50") Stroke

CATERPILLAR 621B SCRAPER

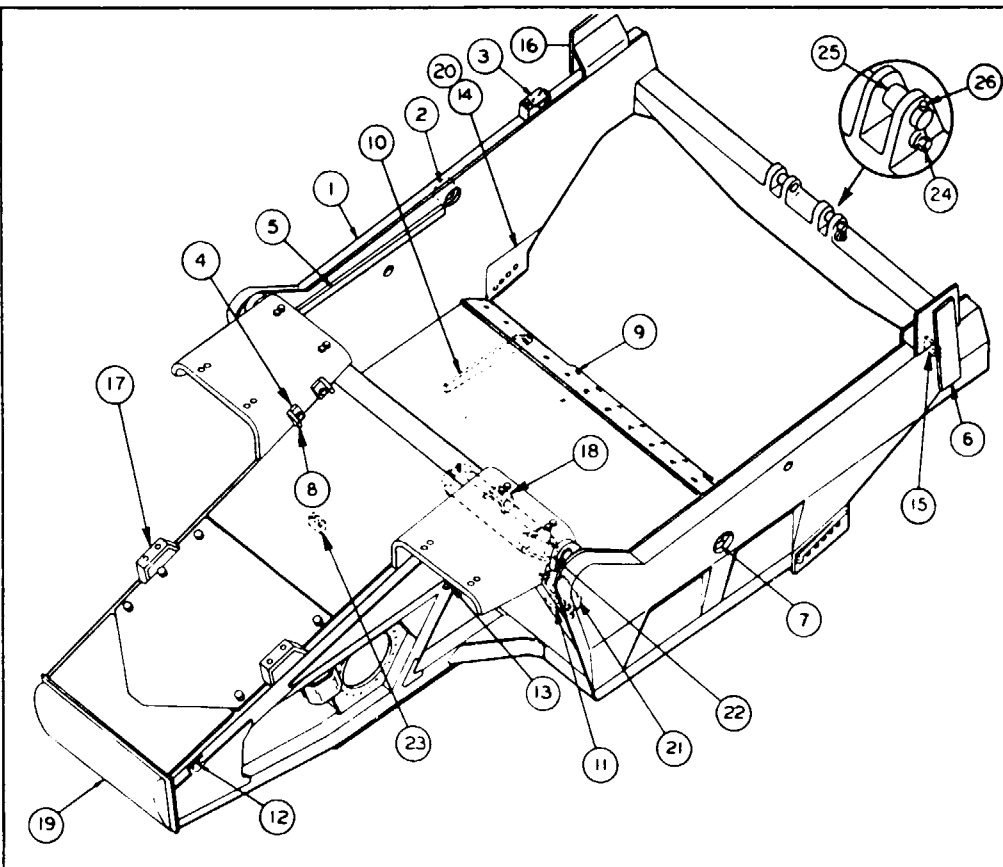


8J7761 APRON LIFT GROUP



7J3602 EDGE AND BIT GROUP

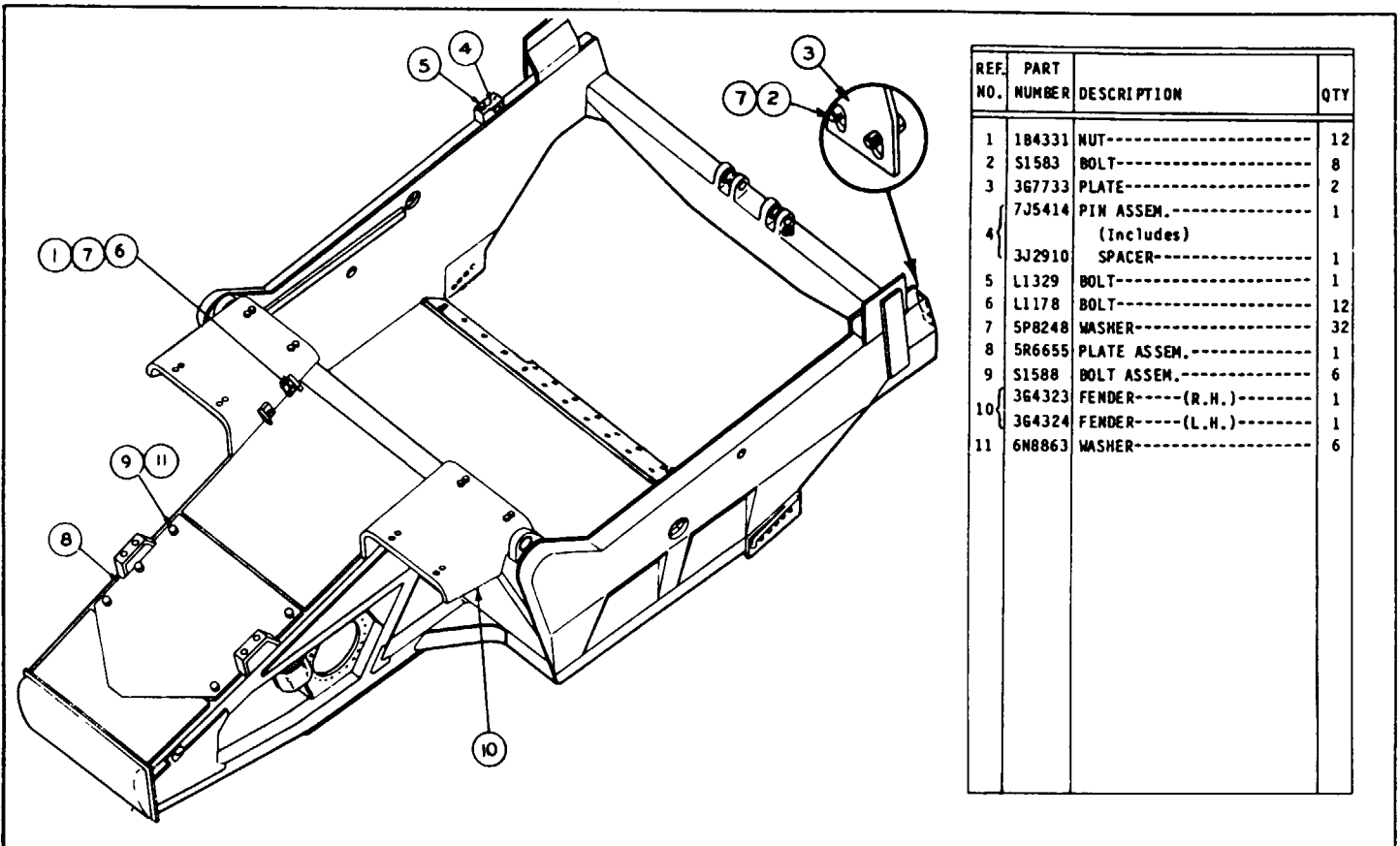
CATERPILLAR 621B SCRAPER



REF. NO.	PART NUMBER	DESCRIPTION	QTY.
	9J6760	BOWL ASSEM. -----	1
1		(Includes)	
	6J1435	PLATE-----	1
2	9J262	BRACKET-----	2
3	8J5178	BLOCK-----	1
4	3G4322	PLATE-----	4
5	5J2328	RAIL ASSEM.-----	2
6	5J3396	PLATE-----	2
7	9J8322	PIVOT-----	2
8	3G4321	PLATE-----	4
	5J955	BOTTOM ASSEM.-----	1
9		(Includes)	
	5J950	SUPPORT-----	1
10	1U1566	RIB-----	10
11	8K8904	LUG-----	1
12	5J7333	HOOK-----	2
13	8F9836	LUG-----	15
14	9J904	REINFORCEMENT--(L, H.)-----	1
15	4B5440	PLATE-----	1
16	3G2545	PLATE-----	2
17	3G4318	BRACKET-----	2
18	3G4320	BRACKET-----	4
19	7J6009	BLOCK ASSEM.-----	1
20	9J903	REINFORCEMENT--(R, H.)-----	1
21	1U4541	TUBE ASSEM.-----	1
22	1U4542	TUBE ASSEM.-----	1
23	9D1205	BLOCK-----	1
24	L1178	BOLT-----	2
25	5J1980	PIN-----	2
26	4J5193	PIN-----	2

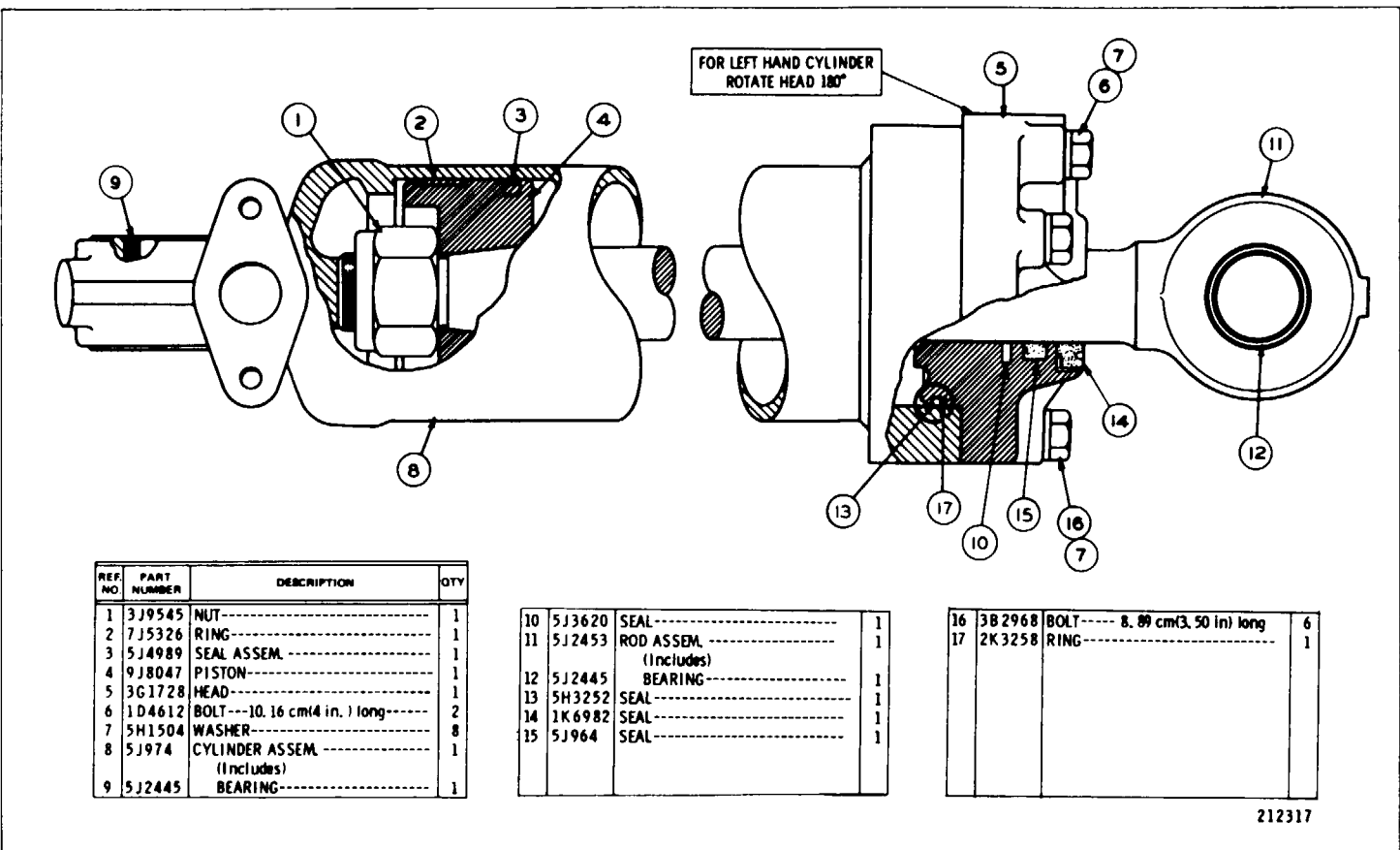
5R6709 BOWL GROUP - Part 1 of 2

CATERPILLAR 621B SCRAPER



REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	184331	NUT-----	12
2	S1583	BOLT-----	8
3	367733	PLATE-----	2
4	7J5414	PIN ASSEM.	1
		(Includes)	
	3J2910	SPACER-----	1
5	L1329	BOLT-----	1
6	L1178	BOLT-----	12
7	5P8248	WASHER-----	32
8	5R6655	PLATE ASSEM.	1
9	S1588	BOLT ASSEM.	6
10	364323	FENDER----(R.H.)	1
	364324	FENDER----(L.H.)	1
11	6N8863	WASHER-----	6

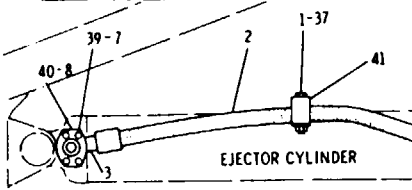
5R6709 BOWL GROUP - Part 2 of 2



5J2449 BOWL CYLINDER GROUP - R.H. -6" Bore x 32" Stroke
 5J2450 Bowl Cylinder Group -L.H. --6" Bore x 32" Stroke

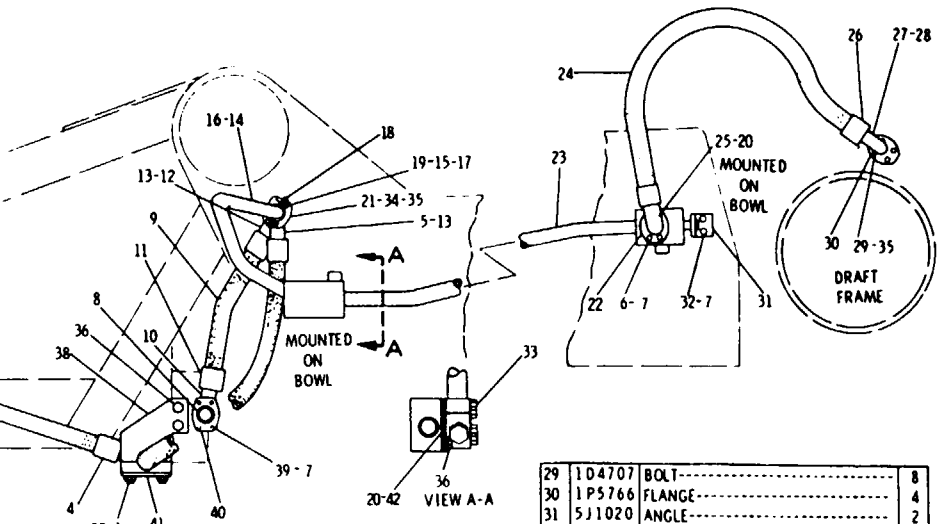
8J7820 EJECTOR LINES GROUP

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	51756	BOLT-----	4
1	1U689	HOSE ASSEM.-----	1
2	859348	(Includes) HOSE---105 in.(267 cm)	1
3	5P4700	STEM ASSEM.---(90°)---	1
3	5S3777	STEM ASSEM.---(90°)---	1
4	3S7116	SLEEVE-----	4
5	3S8573	STEM ASSEM.---(90°)---	1
6	1A1460	BOLT-----	8
7	5P8245	WASHER-----	20



8	4J524	SEAL-----	2
8	BJ7783	HOSE ASSEM.-----	1
9	859348	(Includes) HOSE---20.20in.(51.3cm)	1
10	8S8957	STEM ASSEM.---(60°)---	1
11	3S7116	SLEEVE-----	2
12	3S8573	STEM ASSEM.---(90°)---	1
13	4J522	SEAL-----	2
14	4T9110	TUBE ASSEM.-----	1
15	1S1445	PLATE-----	2
16	4T9109	TUBE ASSEM.-----	1
17	7S2750	SPACER-----	4
18	7J8860	CLAMP-----	4

19	L1352	BOLT-----	4
20	1P3704	SEAL-----	6
21	1P4578	FLANGE-----	4
22	1P5767	FLANGE-----	4
23	4T9112	TUBE ASSEM.-----	2
23	1U2434	HOSE ASSEM.-----	2
24	(Includes) 5P201	HOSE---165 cm(64.96 in.)	1
25	5P1136	STEM ASSEM.---(90°)---	1
26	5P1010	SLEEVE-----	2
27	5P1130	STEM ASSEM.---(90°)---	1
28	1P3703	SEAL-----	2

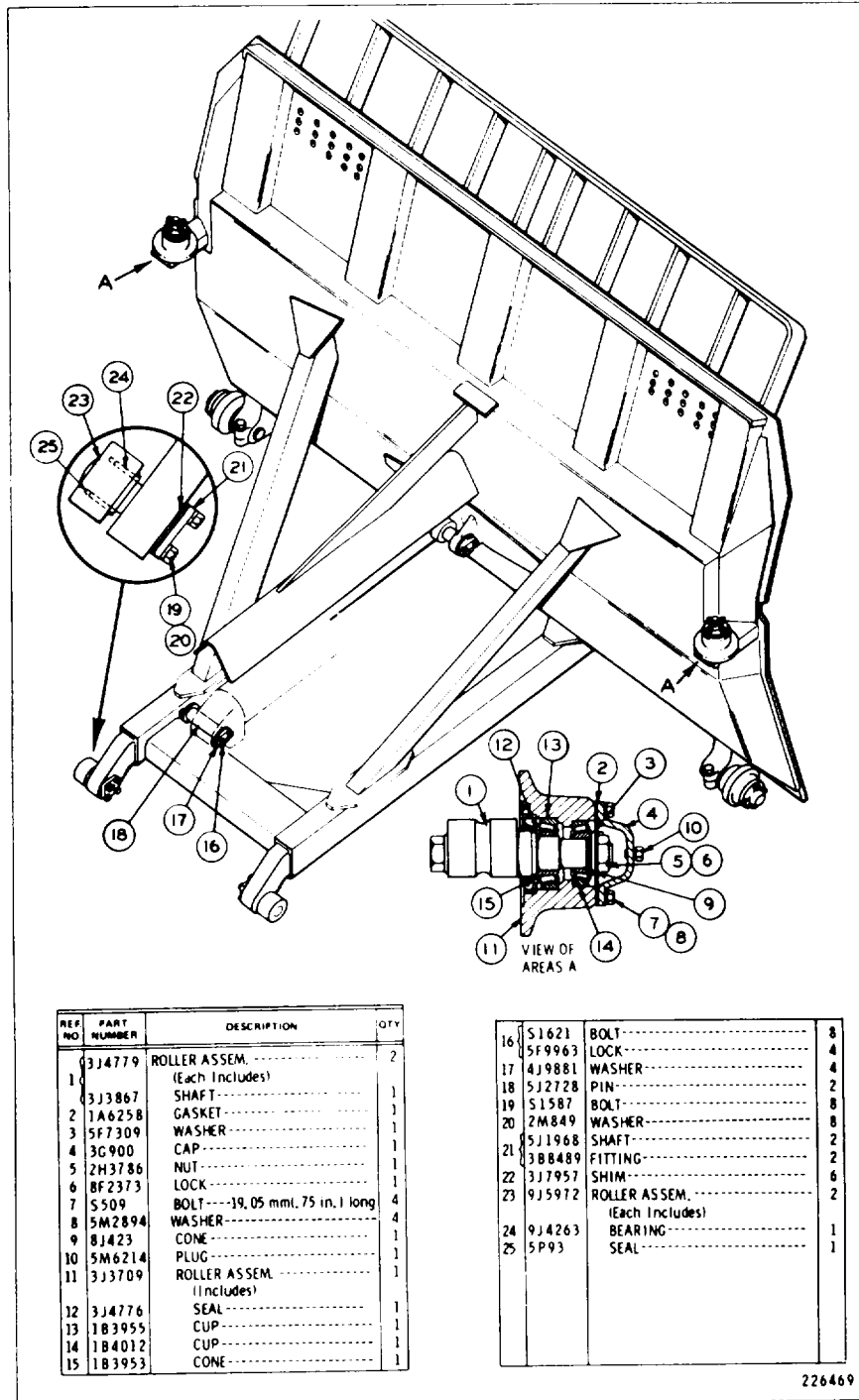


29	1D4707	BOLT-----	8
30	1P5766	FLANGE-----	4
31	5J1020	ANGLE-----	2
32	51621	BOLT-----	4
33	1D4556	BOLT-----	8
34	5P4322	BOLT-----	8
35	5P8244	WASHER-----	16
35	51626	BOLT-----	6
36	5P8248	WASHER-----	6
37	2H3790	NUT-----	4
37	1U690	SPACER-----	4
38	1U692	BRACKET ASSEM.---	1
39	51585	BOLT-----	8
40	1P4579	FLANGE-----	4
41	1U691	CLAMP-----	4
41	1U748	PLATE-----	2
42	9J6594	SPACER-----	2

▲ ORDER BY THE CENTIMETER

● ORDER BY THE INCH

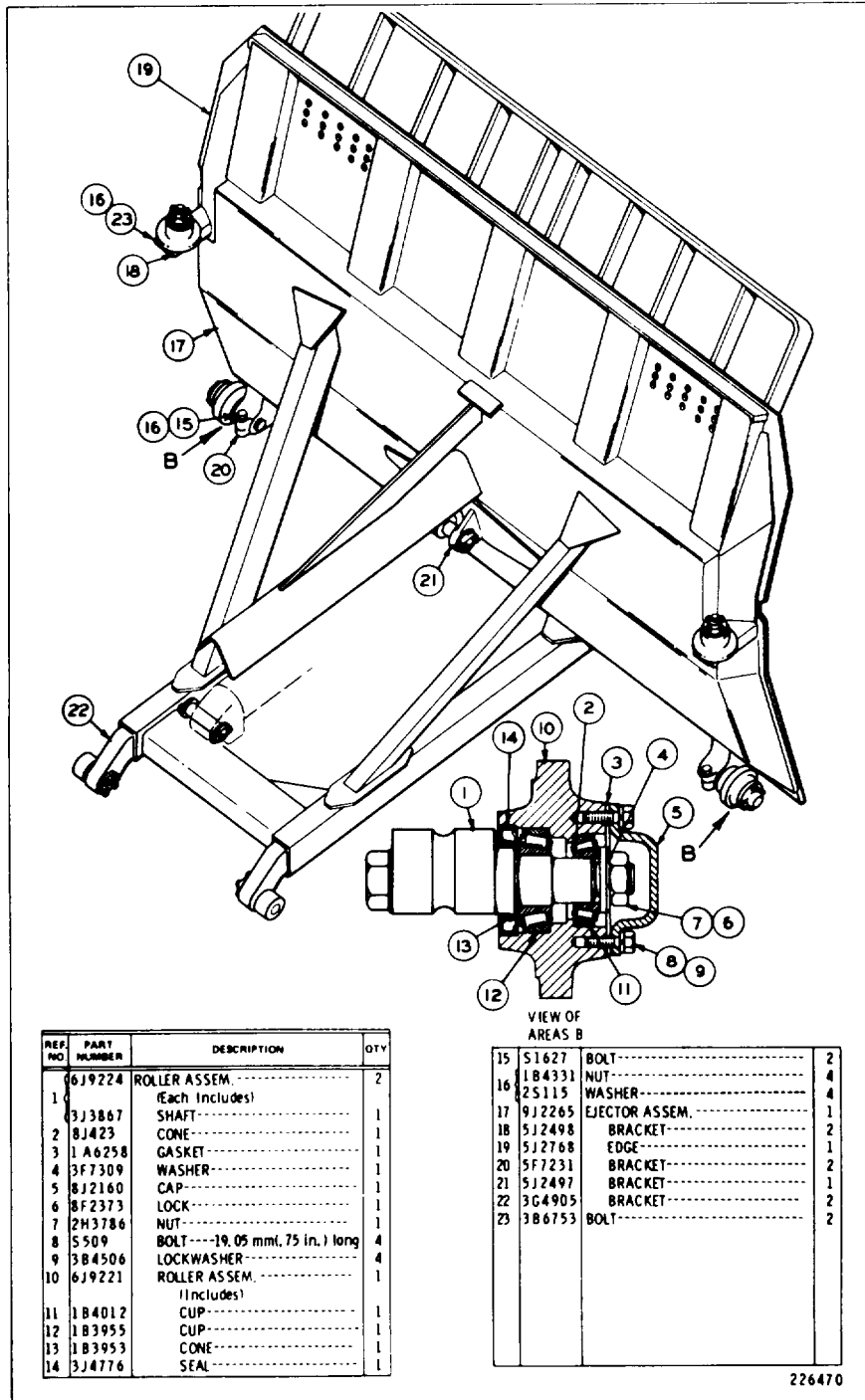
CATERPILLAR 621B SCRAPER



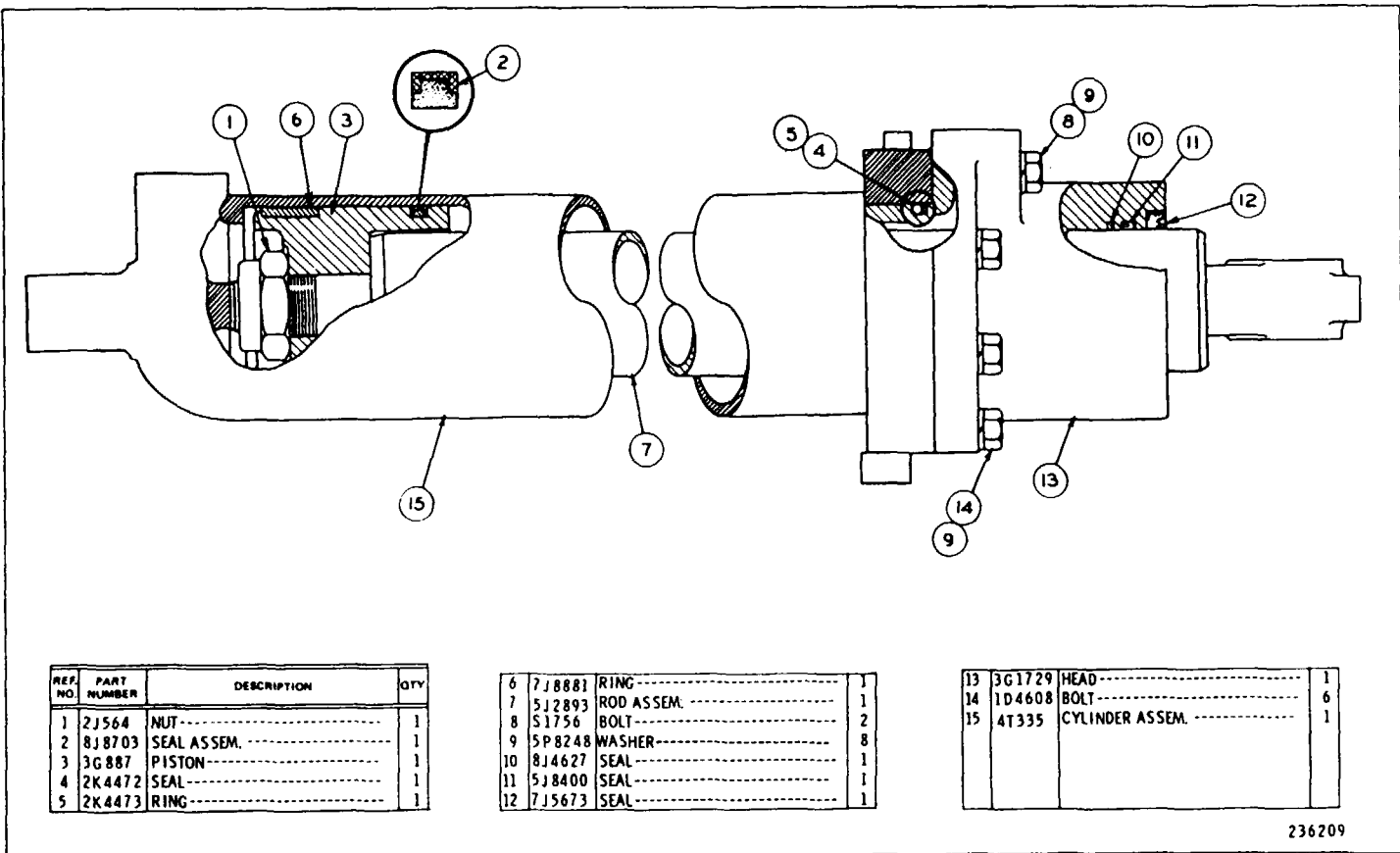
226469

9J2266 EJECTOR GROUP - Part 1 of 2

CATERPILLAR 621B SCRAPER



9J2266 EJECTOR GROUP - Part 2 of 2



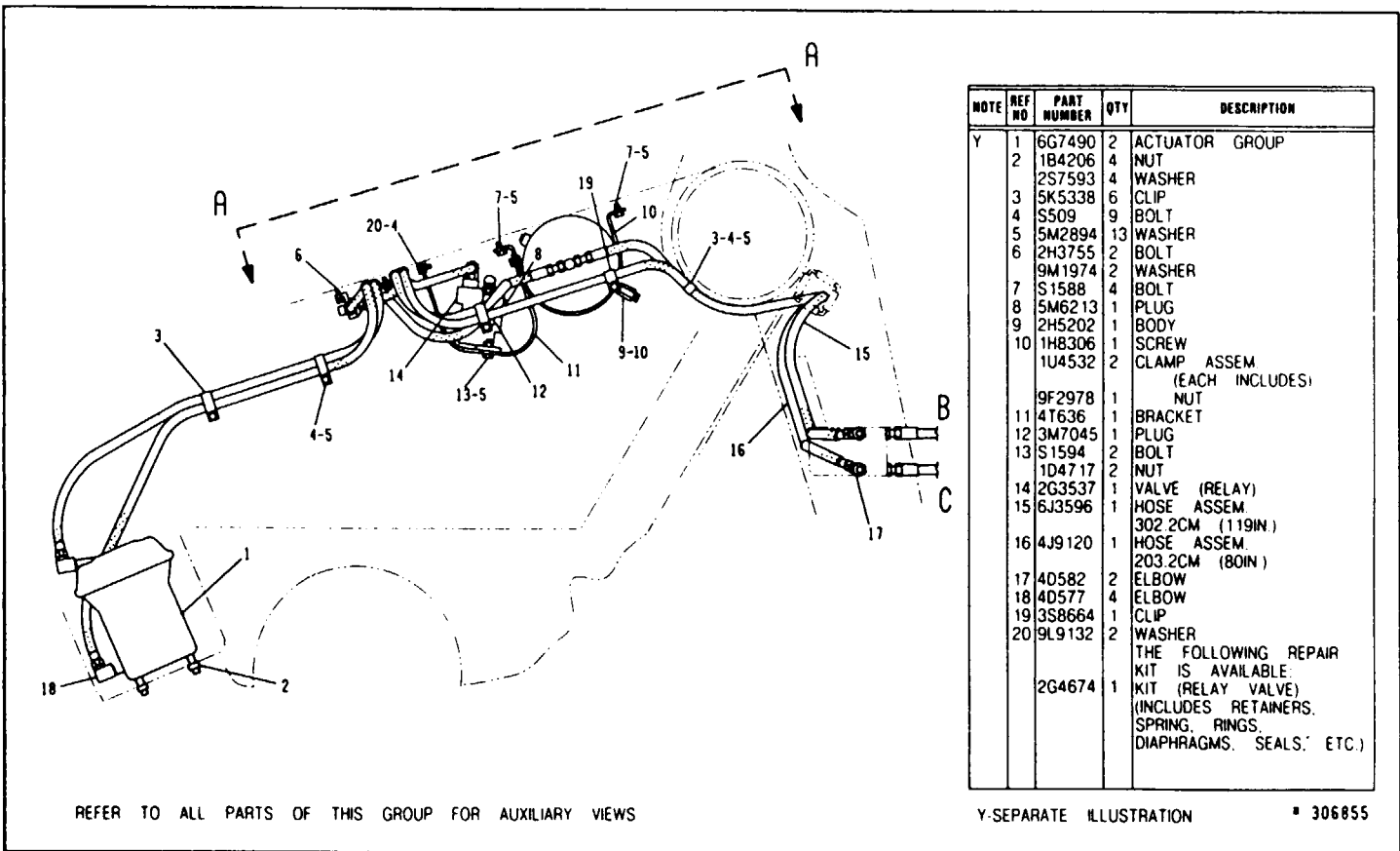
REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	2J564	NUT	1
2	8J8703	SEAL ASSEM.	1
3	3G887	PISTON	1
4	2K4472	SEAL	1
5	2K4473	RING	1

6	7J8881	RING	1
7	5J2893	ROD ASSEM.	1
8	5J756	BOLT	2
9	5P8248	WASHER	8
10	8J4627	SEAL	1
11	5J8400	SEAL	1
12	7J5673	SEAL	1

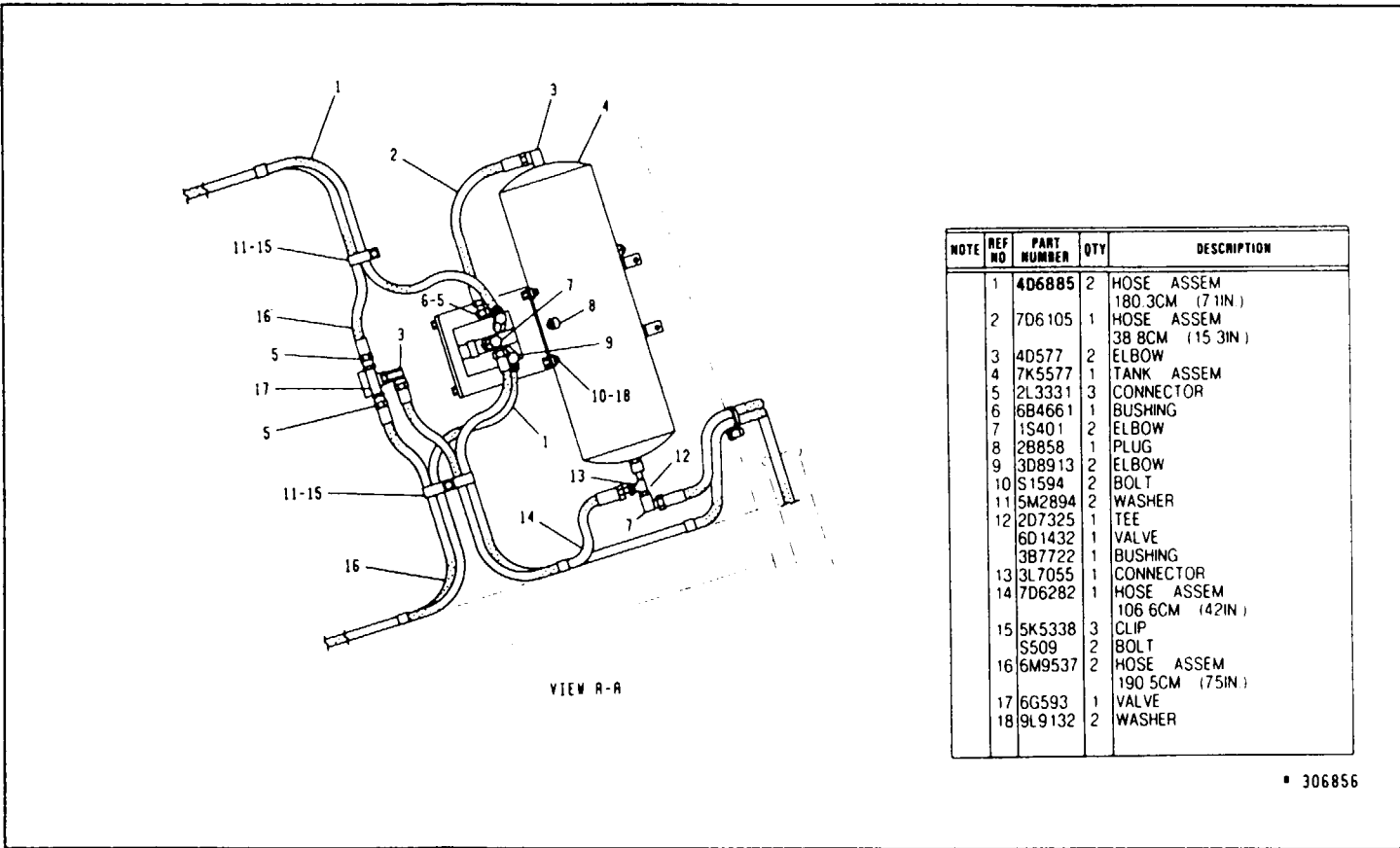
13	3G1729	HEAD	1
14	1D4608	BOLT	6
15	4T335	CYLINDER ASSEM.	1

236209

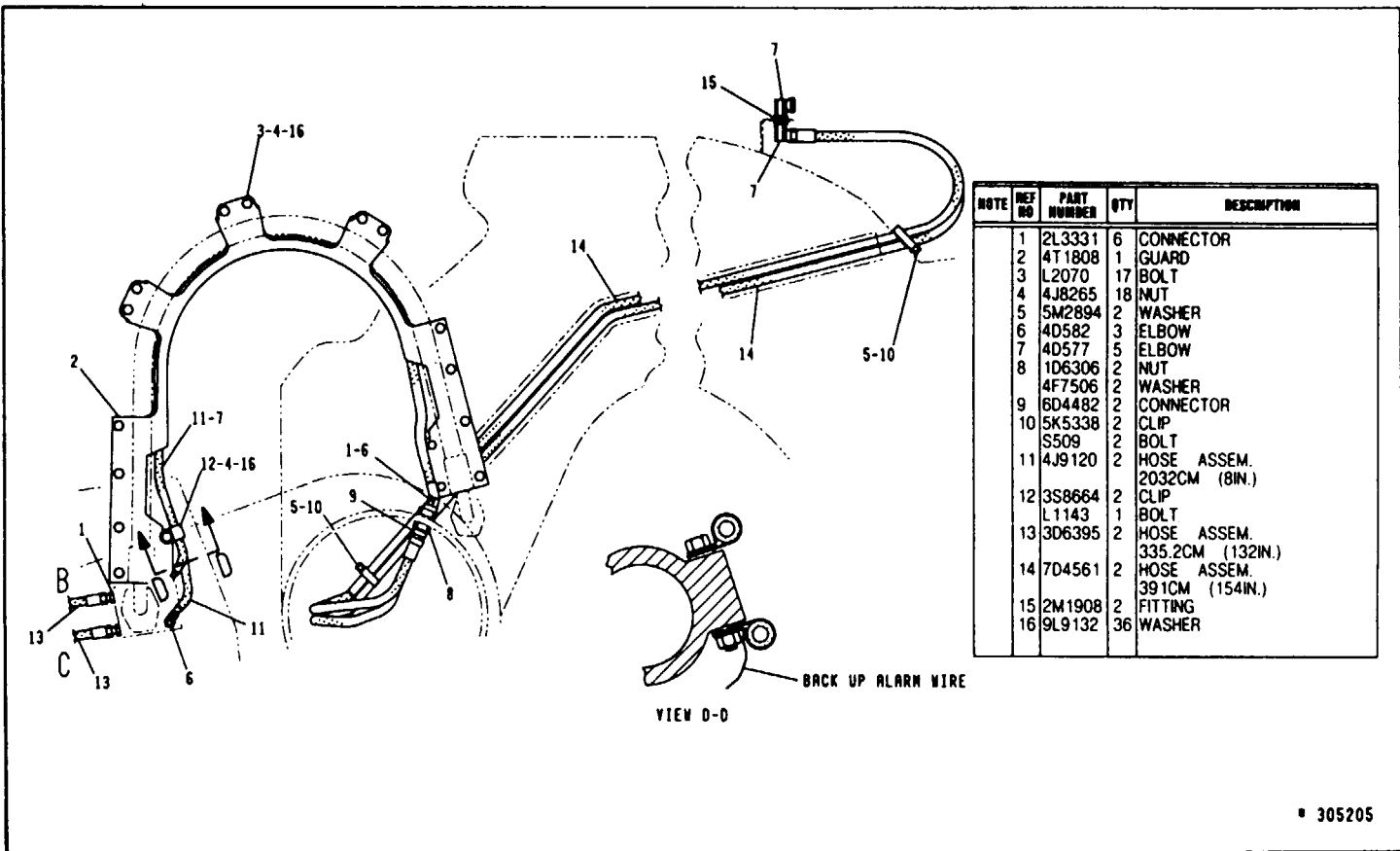
1U408 EJECTOR CYLINDER GROUP - 165.1 mm (6.5") Bore x 1549 mm (60.98") Stroke



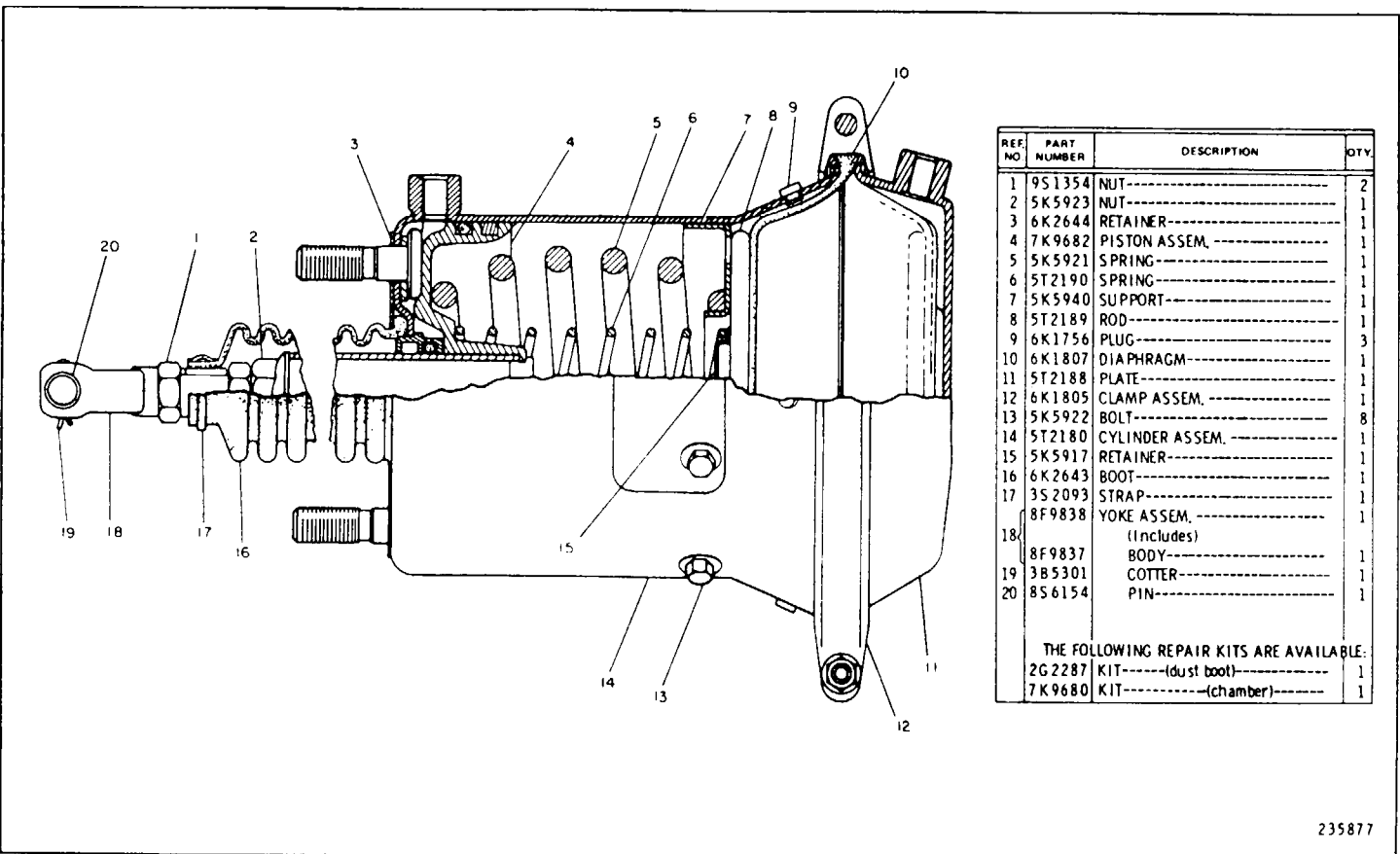
1U4884 BRAKE CONTROL GROUP - Side View - Rear Half—Part 1 of 3
 6G7490 Actuator parts are shown on Page 248



1U4884 BRAKE CONTROL GROUP - Side View - Front Half - Part 2 of 3



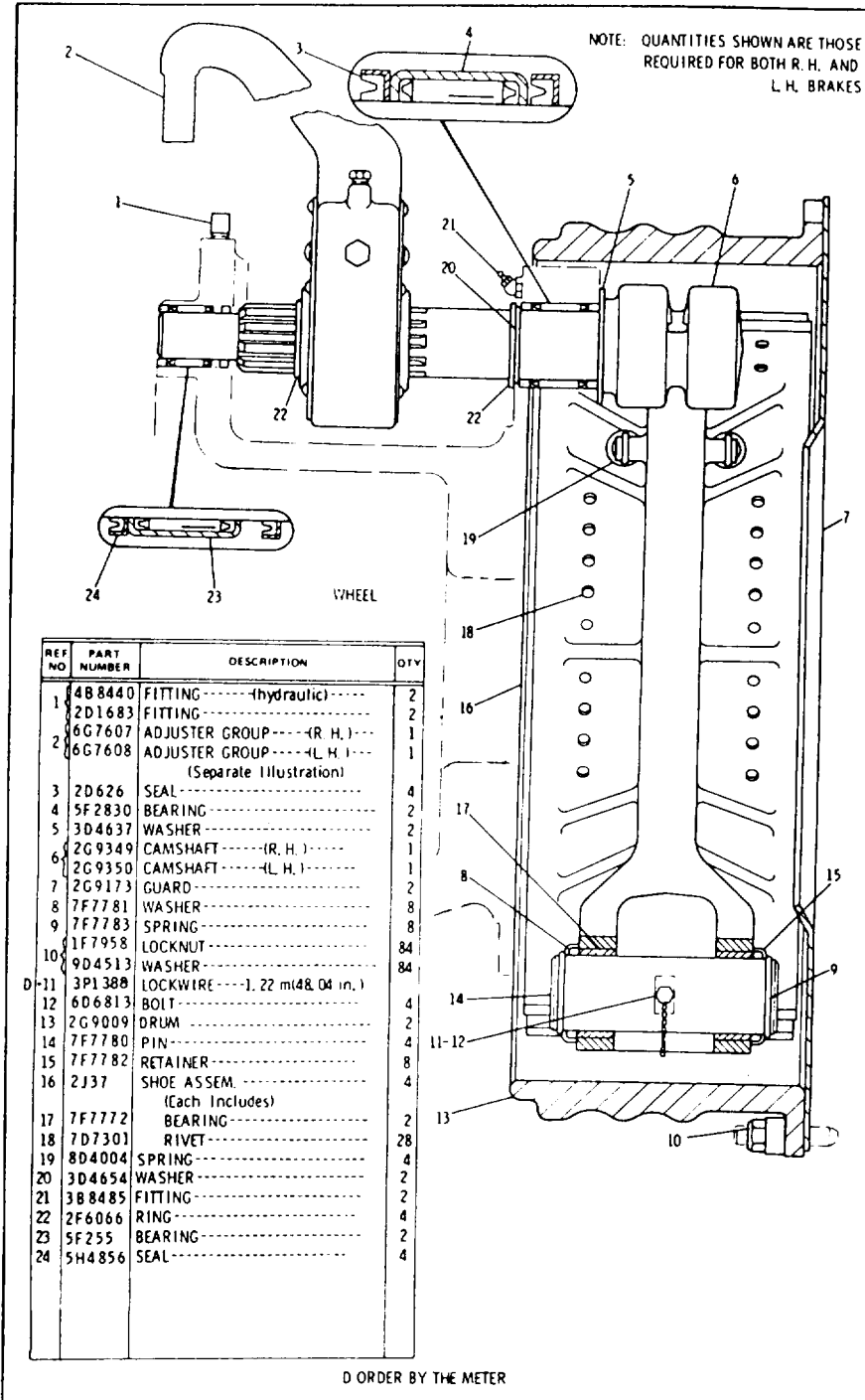
305205



235877

6G7490 BRAKE ACTUATOR GROUP
Part of 1U4884 Brake Control Group shown on Page 245

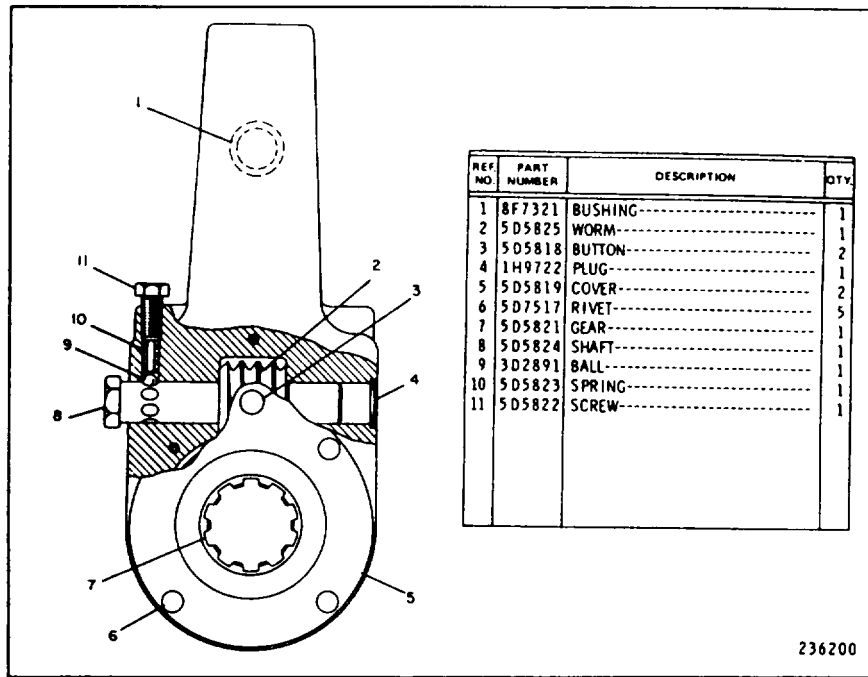
CATERPILLAR 621B SCRAPER



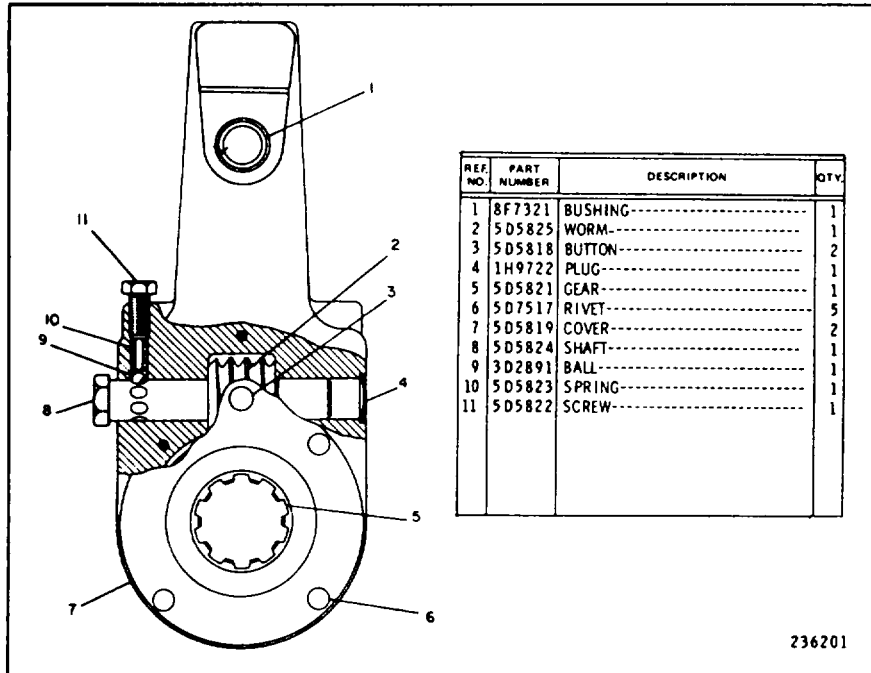
6G7640 BRAKE GROUP

6G7607 and 6G7608 Slack Adjuster parts are shown on Page 250

CATERPILLAR 621B SCRAPER

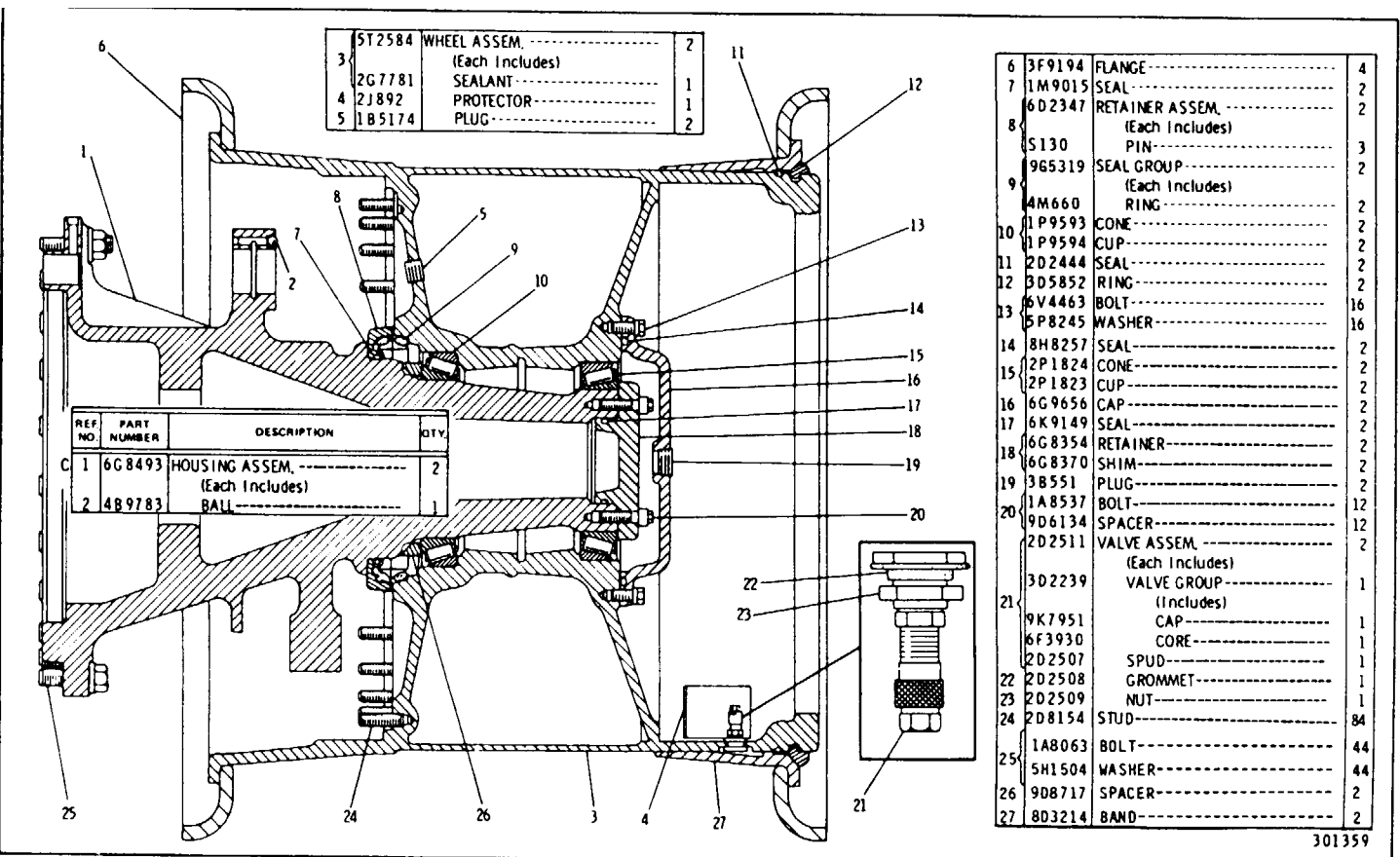


6G7607 SLACK ADJUSTER GROUP
Part of 6G7640 Brake Group shown on Page 250



6G7608 SLACK ADJUSTER GROUP
Part of 6G7640 Brake Group shown on Page 249

CATERPILLAR 621B SCRAPER



301359

8D9225 REAR WHEEL GROUP - 29.5 x 29 Tubeless Tires
 Note, quantities shown are those required for both R.H. and L.H. sides

CATERPILLAR 621B SCRAPER

Consists of:

2 - 2D7453 - TIRE (29.5-29 28PRE2)

5R6699 TIRE GROUP

Consists of:

1	-	6V3696	-	PLATE - WARNING
1	-	5M4328	-	TAG - CAUTION ATTACH IN CONSPICUOUS LOCATION ON UNITS SHIPPED FROM FACTORY NOT ASSEMBLED TO TRACTOR
1	-	7S7075	-	TAG - WARNING ATTACH NEAR KING PIN BORE
1	-	5M7407	-	FILM - SCRAPER PATENT LOCATE 6 MM BELOW CAPACITY PLATE 6 MM TO LEFT OF LUB FILM
1	-	5P1786	-	FILM - LUB
1	-	1H1068	-	PLATE - SERIAL NUMBER
1	-	5S1176	-	PLATE - CAPACITY
10	-	4B4158	-	SCREW - DRIVE
		2P9864	-	PAINT - 22 LITRE - 22.5 LITRE
		2P9063	-	FLUID - HYD - 55 LITRE
		2P9065	-	LUBRICANT - 2 HG 170 GRAM - MISC. FITTINGS
		3P1912	-	OIL - 8 LITRE - 4 LITRE - RH WHEEL BRG 4 LITRE - LH WHEEL BRG

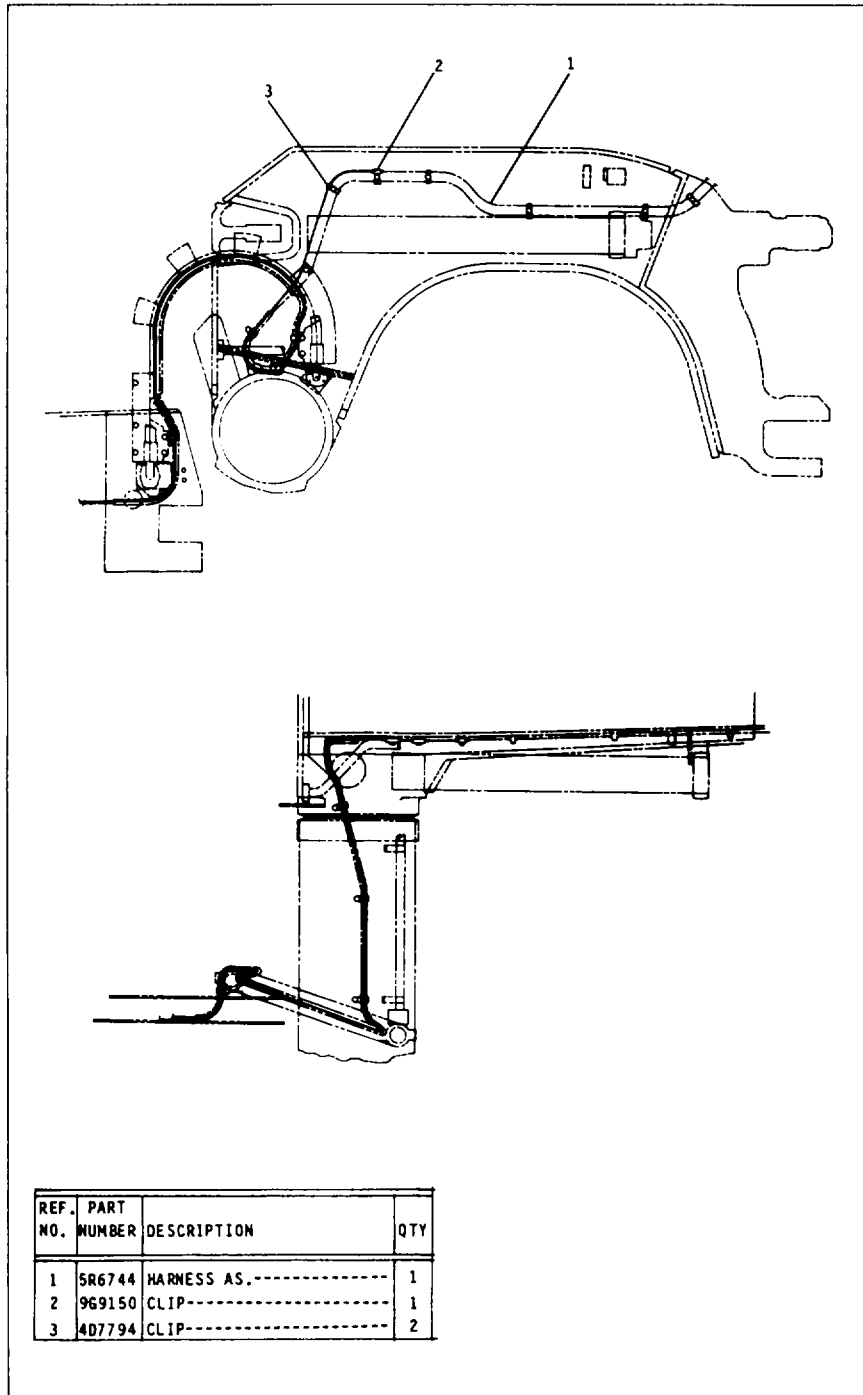
5R6711 PAINT AND LUBRICANT GROUP

CATERPILLAR 621B SCRAPER

1 - 7F3400 - BAG CONTAINING LITERATURE AS
SPECIFIED ON THE FACTORY
NOTIFIED LIST OF CURRENT
SERVICE PUBLICATIONS.

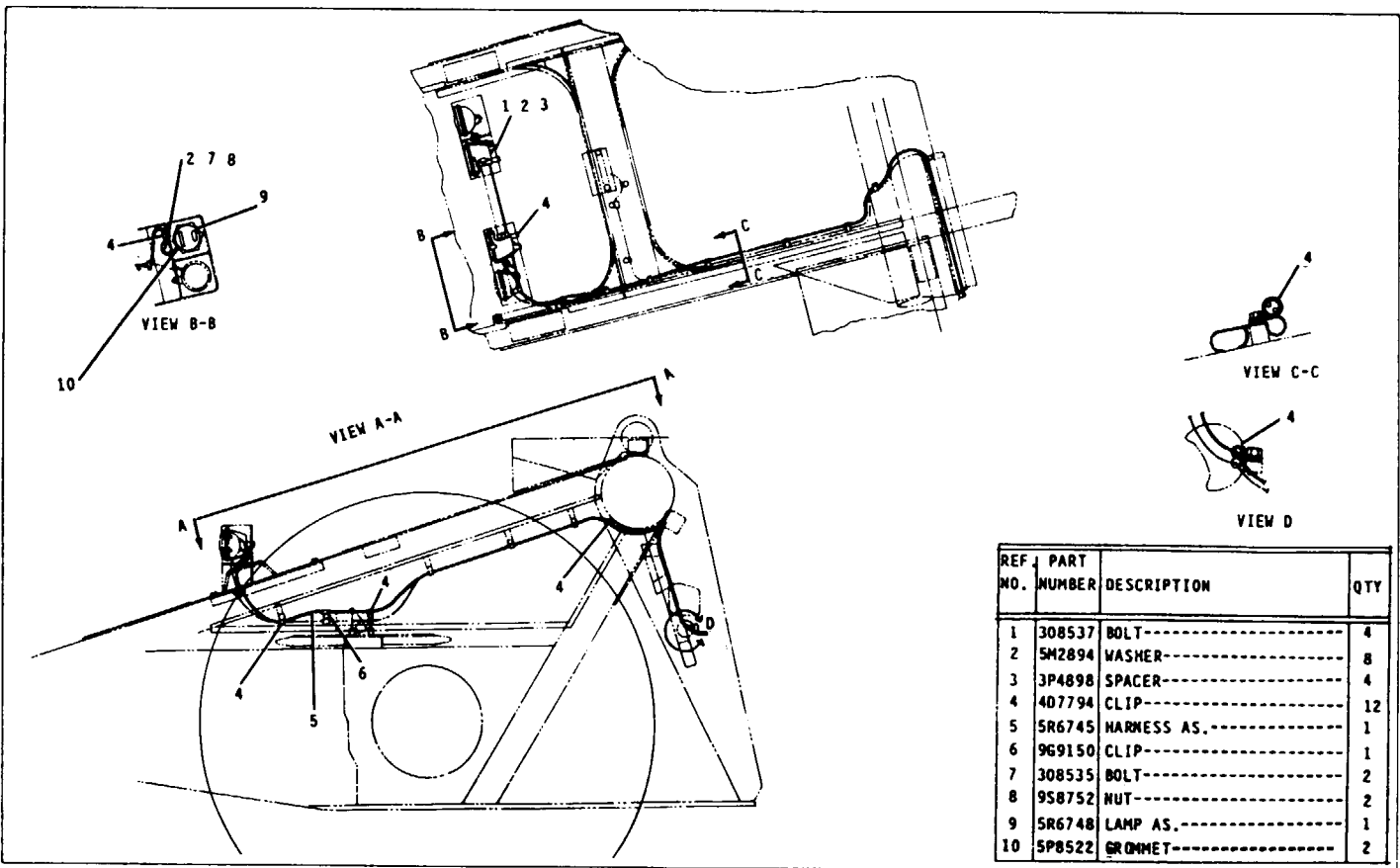
5P2506 LITERATURE GROUP

CATERPILLAR 621B SCRAPER



5R6703 BLACKOUT LIGHTING GROUP - Part 1 of 2

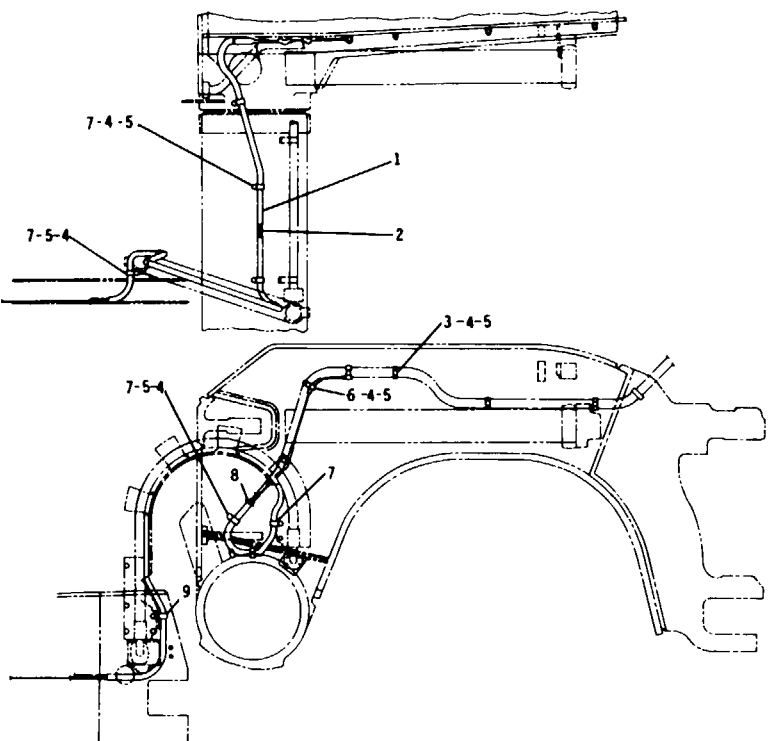
CATERPILLAR 621B SCRAPER



5R6703 BLACKOUT LIGHTING GROUP - Part 2 of 2

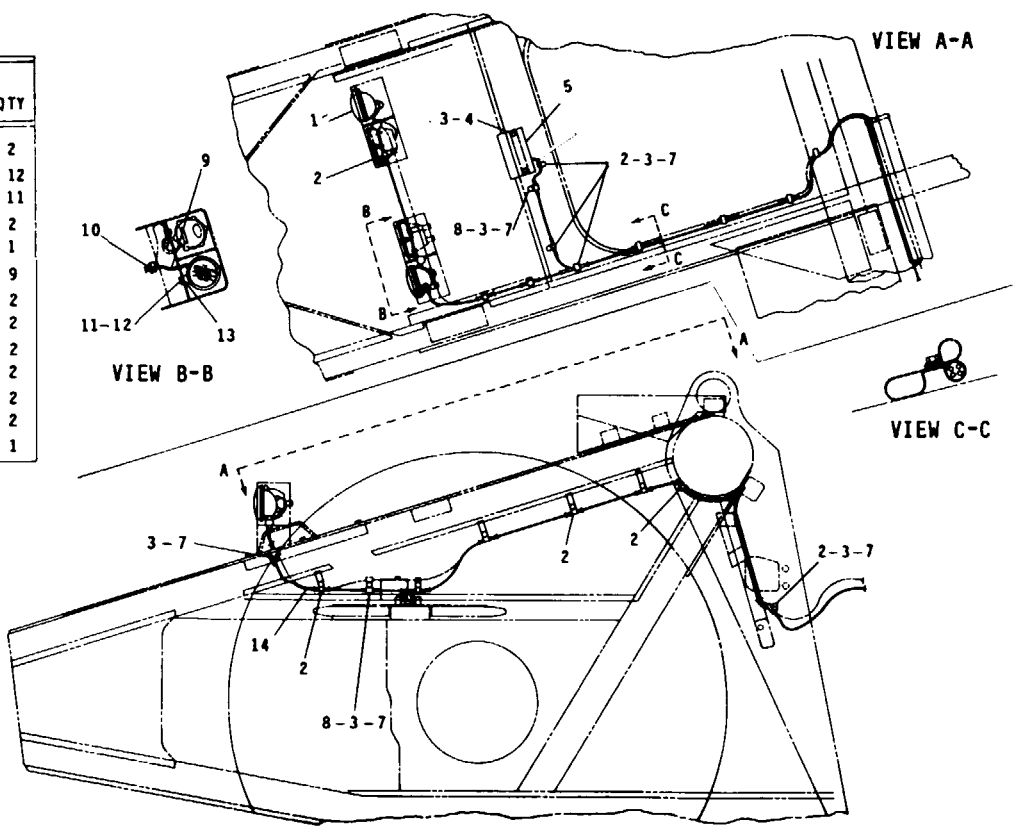
CATERPILLAR 621B SCRAPER

REF. NO.	PART NUMBER	DESCRIPTION	QTY
1	5T7339	GUARD-----	1
2	5R6738	HARNESS AS.-----	1
3	969152	CLIP-----	1
4	5K9107	BOLT-----	8
5	5M2894	WASHER-----	8
6	4D7794	CLIP-----	2
7	6D4244	CLIP-----	6
8	5D1026	CLAMP-----	1
9	6D4247	CLIP-----	1

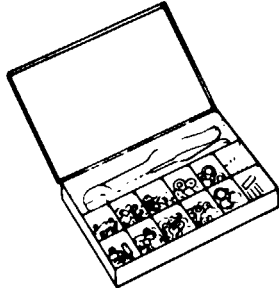


5R6704 SCRAPER WIRING GROUP - Part 1 of 2

REF. NO.	PART NUMBER DESCRIPTION	QTY
1	6N7981 LAMP GP.-----	2
2	4D7794 CLIP-----	12
3	5M2894 WASHER-----	11
4	8S9191 BOLT-----	2
5	3T1815 ALARM-----	1
7	5K9107 BOLT-----	9
8	969150 CLIP-----	2
9	5P8522 GROMMET-----	2
10	6S1066 GROMMET-----	2
11	3J4818 LOCKWASHER-----	2
12	6V8188 NUT-----	2
13	1W8793 SPACER-----	2
14	5R6737 HARNESS AS.-----	1



516704 SCRAPER WIRING GROUP - Part 2 of 2

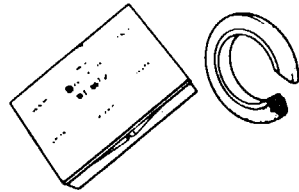
**1P2305 ELECTRIC TERMINAL KIT**

(Insulated)
(Includes terminals, wire joints
and crimping tool)

9S3138 SEAL KIT

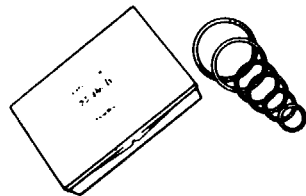
(Includes 28 metal - backed seals)

Qty.	Nominal Size	Part No.
2	1/2 inch (1,27 cm)	5J1583
6	3/4 inch (1,905 cm)	6J3575
6	1 inch (2,54 cm)	6J3600
6	1 1/4 inch (3,175 cm)	6J3625
4	1 1/2 inch (3,81 cm)	6J3650
4	2 inches (5,08 cm)	6J3800

**9S3135 SEAL KIT**

(Includes 60 rubber O-ring seals)

Qty.	Nominal Size	Part No.
10	1/2 inch (1,27 cm)	4J5140
10	3/4 inch (1,905 cm)	4J5267
10	1 inch (2,54 cm)	4J0520
10	1 1/4 inch (3,175 cm)	4J0522
10	1 1/2 inch (3,81 cm)	4J0524
10	2 inches (5,08 cm)	4J0527

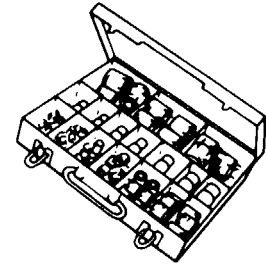
**THREADED INSERTS KITS**

Master (Includes inserts and tools)

Coarse	Fine	Size
9S3700	9S3500	Assorted

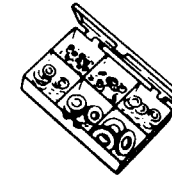
Repair (Includes inserts and tools)

9S3510	9S3509	#10
9S3512	9S3511	1/4
9S3514	9S3513	5/16
9S3618	9S3515	3/8
9S3620	9S3619	7/16
9S3622	9S3621	1/2
9S3624	9S3623	9/16
9S3626	9S3625	5/8
9S3628	9S3627	3/4
9S3630	9S3629	7/8
9S3632	9S3631	1
9S3633		1 1/8
9S3635		1 1/4
9S3637		1 1/2



Refill (Includes inserts)

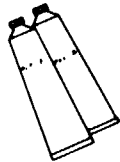
9S3674	9S3673	#10
9S3649	9S3639	1/4
9S3650	9S3640	5/16
9S3651	9S3641	3/8
9S3652	9S3642	7/16
9S3653	9S3643	1/2
9S3654	9S3644	9/16
9S3655	9S3645	5/8
9S3656	9S3646	3/4
9S3657	9S3647	7/8
9S3658	9S3648	1
9S3675		1 1/8
9S3677		1 1/4
9S3679		1 1/2

**HARDWARE ASSORTMENT KITS**

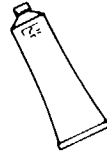
8S7198 Course Thread Hex Nut
8S7197 Fine Thread Hex Nut
8S7196 Lockwasher Assortment
8S7195 Flatwasher Assortment
8S7193 Woodruff Key Assortment



GASKET CEMENT
542471 8 oz. (227 g)



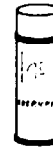
EPOXY CEMENT
5M2941 2 - 2 oz. (57g) Tube



BEARING LUBRICANT
253230 14 1/2 oz. (411 g)



GASKET SEALER
4H5363 11 oz. (312 g)
fast drying-hard setting)
8H5137 11 oz. (312 g)
(non-hardening)



ANTI-SEIZURE COMPOUND
459416 16 oz. (454 g) Aerosol
9M3710 16 oz. (454 g) Paste



GLASS OR PLASTIC CEMENT
3S1831 1 pint (0.473 L)



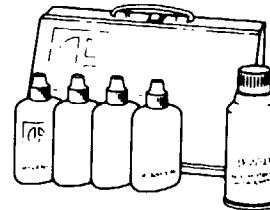
LIQUID GASKET
7M7260 8 oz. (227 g)



SEALING COMPOUND
5S1454 1 pint (0.473 L)



GREASE - SILICONE
4L7464 8 oz. (227 g)



953262 SEALANT REPAIR KIT

contains:

- | | | |
|--------------------|--------|-----------------------|
| Bearing Mount | 7M7456 | 1 2/3 fl. oz. (50 cc) |
| Thread Lock | 9S3263 | 1 2/3 fl. oz. (50 cc) |
| Pipe Sealant | 9S3264 | 1 2/3 fl. oz. (50 cc) |
| Retaining Compound | 9S3265 | 1 2/3 fl. oz. (50 cc) |
| Quick Cure Primer | 8M8060 | 6 oz. (170 g) Aerosol |



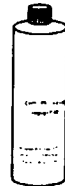
CHAIN & CABLE LUBRICANT
9S6106 16 oz. (454 g) Aerosol
2P2737 Case of 12



SILICONE FLUID
8M553 145 cc.
9M5165 150 cc.



GREASE GUN CARTRIDGE
1P808 14 1/2 oz. (411 gms)



COOLING SYSTEM INHIBITOR
3P2043 1 pint (0.473 L)
P0001 1 case of 12
3P2044 1 quart (0.946 L)
P0002 1 case of 12

BELT DRESSING

9S6107 16 oz. (454 g) Aerosol
2P2738 Case of 12

ELECTRO-INSULATION SPRAY

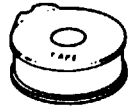
9S6108 16 oz. (454 g) Aerosol
2P2739 Case of 12

PENETRATING OIL

9S6109 16 oz. (454 g) Aerosol
2P2740 Case of 12

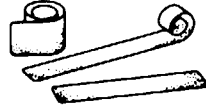
BATTERY SAVER & CLEANER

9S6110 16 oz. (454 g) Aerosol
2P2741 Case of 12



ELECTRICAL TAPE

1P810 (plastic) 2/3" (20mm) width
66 ft. (20m) length
9B4287 (cloth) 3/4" (20mm) width
30 ft. (9M) length
(Plastic tape comes in dispenser.
Cloth tape does not.)



958703 ANTI-SKID TREADS

(May be ordered by foot lengths up to
60 feet (18, 30m), width 4" (100mm)



8S4627 CIRCUIT TESTER

(Maximum Capacity: 10 oms)



MAGNETIC DRAIN PLUGS



BUTTON PLUGS

Hole Diameter		Part Number	Type	Thread Size-Threads Per Inch	Head Inches	A		Part No.
Inches	mm					Inches	mm	
.219	5,6	4L0820	I	5/8 - 11	7/8 Hex	1 3/16	26,9	5K1555
.310	7,9	7L6479	I	5/8 - 18	7/8 Hex	3/4	19,1	2R166
.380	9,7	5L6688	I	7/8 - 14	1 1/8 Hex	1 3/16	30,2	3H4190
.438	11,1	4L0821	I	1 1/8 - 12	1 1/2 Hex	1 1/2	38,1	8M3837
.469	11,9	3D9871	I	1 1/8 - 12	1 1/2 Hex	1 7/8	47,8	2J1559
.484	12,3	8M3839	I	1 1/2 - 12	1 Hex	1 1/2	38,1	8M5576
.500	12,7	3D9872	I	1 1/2 - 12	1 7/8 Hex	1 7/8	47,8	2D8390
.625	15,9	2M4009	II	1/2 - 14	9/16 Sq.	1 1/8	28,5	2F3628
.687	17,5	6K2660	II	3/4	5/8 Sq.	1 1/4	31,8	2H3865
.750	19,0	5K3546	II	7/8 - 14	7/8 Hex	1 5/8	41,3	2R1491
.875	22,2	5H4871	II	1 Std. Pipe Thd.	13/16 Sq.	1 7/16	36,6	2H3864
1.000	25,4	2D3406	II	1 1/4 Std. Pipe Thd.	15/16 Sq.	1 11/16	42,9	2H3863
1.250	31,8	4S6336	II	1 1/4 Std. Pipe Thd.	15/16 Sq.	1 3/8	35,0	7H3664
1.375	34,9	4F8711	III	3/4 - 14 Pipe Thd., Fine	1/2 Sq.	1 3/16	30,2	5D1894
1.500	38,1	3L1979	III	1 - 11 1/2 Pipe Thd., Fine	1/2 Sq.	1 5/16	33,4	2K744
2.000	50,8	1L6377	III	1 1/4 - 11 1/2 Pipe Thd., Fine	3/4 Sq.	13/16	20,6	5S4017
2.250	57,2	7M3248	III	2 - 12	3/4 Sq.	1 11/16	42,9	886599
2.500	63,5	3L8852						
3.000	76,2	1L6366						

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. PIN	FSCM	MS & GOV. P/N	FSCM
0S0509	11083	MS18154-58	96906
0S1571	11083	MS90725-65	96906
0S1585	11083	MS90728-113	96906
0S1580	11083	MS90728-113	96906
0S1590	11083	MS90725-66	96906
0S1616	11083	MS90725-8	96906
0S1617	11083	MS90728-32	96906
1A1135	11083	MS90728-164	96906
1B2578	11083	MS35691-17	96906
1B4201	11083	MS35690-424	96906
1B4331	11083	MS51967-23	96906
1B7182	11083	MS90725-36	96906
1B7182	11083	MS90728-36	96906
1D4719	11083	MS51967-14	96906
1D4720	11083	MS35690-1004	96906
1H3244	11083	MS35333-40	96906
1L3769	11083	MS16626-1062	96906
2B2695	11083	MS590725-33	96906
2L8066	11083	MS25036-112	96906
2L8069	11083	MS25036-114	96906
2L8075	11083	MS25036-153	96906
2L8076	11083	MS25036-108	96906
2L8079	11083	MS25036-110	96906
2R6806	11083	MS51525-86	96906
3B1915	11083	MS90728-63	96906
3B4501	11083	MS35338-42	96906
3B4508	11083	MS35338-48	96906
3B4510	11083	MS35340-50	96906
3F9556	11083	MS35333-41	96906
3J4818	11083	MS35335-37	96906
4B1237	11083	MS535207-263	96906
4B3388	11083	MS90725-35	96906
4B4278	11083	MS27183-14	96906
4F7957	11083	MS90728-7	96906
5R6748	11083	MS51330-1	96906
5R6755	11083	MS17148-3	96906
9F8125	11083	MS35335-32	96906

CATERPILLAR 621B TRACTOR

CATERPILLAR TO VENDOR-PARTS LIST

CAT. P/N	FSCM	VENDOR P/N	FSCM
1F9369	11083	127-B	30327
1H3338	11083	1114-00	77900
1H4393	11083	1108-00	78189
1H8647	11083	206	73330
1J6474	11083	5100-137	79136
1M1882	11083	899111	24617
1M8649	11083	RRT-500	80756
1M9968	11083	1894637	16764
1M9971	11083	1936466	16764
1P1120	11083	400424	08179
1P2298	11083	5622759	70040
1P3551	11083	4660A	53744
1P6450	11083	E6812-0078	18265
1P7115	11083	J7153-4	11623
1P7360	11083	P11-9168	18265
1P7748	11083	P11-9169	18265
1P7831	11083	MFY-1002MS	24041
1P7832	11083	P90-2123	88104
1S3612	11083	240960	06853
1S5440	11083	Q13367	80657
1S9389	11083	446967-79	57733
1U367	11083	6702-010	02288
1U380	11083	923953	80980
1U381	11083	923954	80980
1U3968	11083	432689	61038
1V3655	11083	50957	03018
1V3656	11083	NT721021	01843
1V3657	11083	CP721084	01843
1V3658	11083	NT721017	01843
1V5044	11083	77916	95993
1W4879	11083	469290-3	08179
1W613	11083	RBX00-2276	18265
1W705	11083	05-35-752	03479
1W8415	11083	5225B522	18265
1W9460	11083	110-273	79150
2D1683	11083	20029	04043
202444	11083	523549300	20076
2D2507	11083	650-1	17875
2D2508	11083	650-4	17875
2D2509	11083	650-3	17875
2D2511	11083	VS-978-J-670-03	17875
2D5986	11083	236022	06840
2D6403	11083	238379	06853
2D6417	11083	5008-131	79136
2D8758	11083	101017-E01	79550
2G1034	11083	285849	06853
2G1674	11083	PK500	27182
2G2702	11083	33LOWER ARM(LH)	27182
2G3537	11083	288369	06853
2G4480	11083	500046	28832
2G4674	11083	287370	06853
2G5694	11083	HVA-200-733	04845

By Order of the Secretary of the Army.

Official:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

DONALD J. DELANDRO
Brigadier General United States Army
The Adjutant General

Distribution:

To be distributed in accordance with DA Form 12-25 8-R (Quantity required blocks 405, 406, 407) Operator's, Organizational, Direct Support and General Support Maintenance Manual Requirements for Scrapers, Earth Moving.

* U. S. GOVERNMENT PRINTING OFFICE: 1996 404-648/52247

THE METRIC SYSTEM AND EQUIVALENTS

LINEAR MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

SQUARE MEASURE

1 Sq Centimeter = 100 Sq Millimeters = 0.155 Sq Inches
 1 Sq Meter = 10,000 Sq Centimeters = 10.76 Sq Feet
 1 Sq Kilometer = 1,000,000 Sq Meters = 0.386 Sq Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 Lb
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

CUBIC MEASURE

1 Cu Centimeter = 1000 Cu Millimeters = 0.06 Cu Inches
 1 Cu Meter = 1,000,000 Cu Centimeters = 35.31 Cu Feet

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

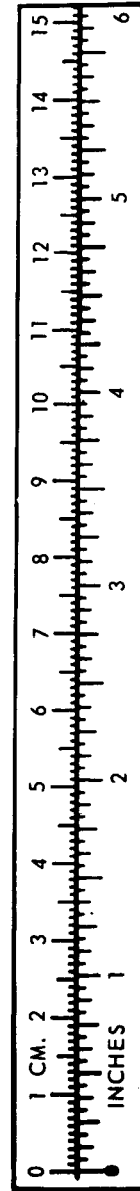
TEMPERATURE

$5.9 (^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 $212^{\circ}\text{ Fahrenheit is equivalent to } 100^{\circ}\text{ Celsius}$
 $90^{\circ}\text{ Fahrenheit is equivalent to } 32.2^{\circ}\text{ Celsius}$
 $32^{\circ}\text{ Fahrenheit is equivalent to } 0^{\circ}\text{ Celsius}$
 $9.5\text{ }^{\circ}\text{C} + 32 = \text{F}^{\circ}$

APPROXIMATE CONVERSION FACTORS

<u>TO CHANGE</u>	<u>TO</u>	<u>MULTIPLY BY</u>
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
Pints	Liters	0.473
Quarts	Liters	0.946
Gallons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

<u>TO CHANGE</u>	<u>TO</u>	<u>MULTIPLY BY</u>
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
Liters	Gallons	0.264
Grams	Ounces	0.035
Kilograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pound-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
Kilometers per Liter	Miles per Gallon	2.354
Kilometers per Hour	Miles per Hour	0.621



TA089991

