

# P6125

For Models: L6125 and M6125

# PARTS CATALOG

Marine Generators | Land-Based Generators



**NORTHERN LIGHTS**  
MARINE GENERATORS





— CALIFORNIA —  
Proposition 65 Warning:

*Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.*

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MARINE GENERATORS

# PARTS CATALOG

## for Models L6125 and M6125

*Please read thoroughly before attempting to use this manual:*

Table of Contents .....	I
Model Designation & Serial Numbers .....	II
Reading a Parts Page .....	III

### Table of Contents

#### GROUP 1 - ENGINE

Cylinder Block .....	0 - 1
Dipstick & Side Covers .....	2 - 3
Crankshaft .....	4
Flywheel Housing .....	5
Piston and Connecting Rod .....	6
Camshaft .....	7
Timing Cover .....	8 - 9
Mechanical Tachometer Drive .....	10
Lubricating Oil Filter .....	11
Lubricating Oil Pump & Pick-up .....	12 - 13
Oil Pan .....	14
Oil Drain .....	15 - 17
Cylinder Head .....	18 - 19
Rocker Arm & Housing .....	20 - 22

#### GROUP 2 - INTAKE & EXHAUST SYSTEM

Air Intake Manifold & Aftercooler .....	1 - 13
Air Filter .....	14 - 17
Exhaust Manifold .....	18
Turbocharger & Mounting .....	20 - 29
Turbocharger Assembly .....	30 - 39
Dry Exhaust Elbow .....	40 - 43
Exhaust Outlet Adapter .....	44
Wet Exhaust Elbow .....	45 - 49

#### GROUP 3 - COOLING SYSTEM

Expansion Tank .....	0 - 9
Coolant Manifold .....	10 - 11
Coolant Pump .....	12 - 13
Corrosion Resistor .....	14
Raw Water Pump, Mounting .....	15 - 16
Lubricating Oil Cooler .....	17
Gear Oil Cooler .....	18

#### GROUP 4 - FUEL SYSTEM

Fuel Injection Pump & Piping .....	0 - 2
Injector Pump Application List .....	3
Double Wall Fuel Lines .....	4 - 5
Injectors & Return Lines .....	6 - 13
Fuel Filter .....	10
Fuel Feed Pump Assembly .....	14
Fuel Injection Pump Coupling .....	15
Throttle Assembly .....	16

#### GROUP 5 - ELECTRICAL SYSTEM

Engine Electrical .....	0 - 11
Circuit Breaker & Relay Assembly .....	12 - 14
Relay Logic Board .....	15
Solenoids .....	16 - 18
Alternator Mountings .....	19 - 22
Alternator Assemblies .....	23 - 25
Starting Motor Assembly .....	26 - 27
Drive Belt & Guards Application Chart .....	28
Main Instrument Panels .....	29 - 31
Flybridge, Auxillary, & Control Panels .....	32 - 39

#### GROUP 6 - GASKET SETS

Gasket Kits .....	0 - 3
-------------------	-------

#### GROUP 7 - GEAR AND ADAPTER SETS

Gear Attaching Kits .....	0 - 4
---------------------------	-------

#### GROUP 8 - FRAME & MOUNTING

Engine Mounting .....	0
Lifting Eye .....	1
Flexible Mounts .....	2

#### GROUP 9 - ACCESSORIES & OPTIONAL EQUIP.

Stub Shaft & Front Pulley .....	0
Accessory Drive .....	1
PTO Adapter .....	2 - 3
Electric Clutch Components .....	4 - 5
Oil Change Pump .....	6 - 7
Remote Oil Filter .....	8 - 9
Duplex Oil Filter .....	10 - 11
Crankcase Vent Filter .....	12
Remote Expansion Tank .....	13
Water Level Switch Gauge .....	14 - 15
Low Coolant Level Gauge .....	16
Hydraulic System Cooler .....	18 - 21
Second Alternator .....	22 - 23
Remote Loud Alarm .....	24

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**READING A PARTS PAGE**

**IMPORTANT:**

Before selecting parts, be sure that you are choosing parts from the correct page.  
 Check the model designation at the page top.  
*Do not use this illustration for parts purchasing.*

KEY	PART NUMBER	QTY.	DESCRIPTION	SERIALNUMBER
0	185046210	1	Alternator Assembly	-
1	185446219	1	Flywheel, complete	-
2	185446217	1	Plate, complete	-
3	185716200	1	Plate	-
4	185446218	1	Stator, complete	-
5	040126210	2	Bearing	-
6	020210010	1	Nut	-
7	027100010	1	Spring washer	-
8	026100010	1	Washer	-
9	185446220	1	Clamp	-
10	015140408	1	Screw	-
11	015140425	2	Screw	-
12	199236510	1	Collar	-

**REFERENCES:**

- |  |  |
|--|--|
| 1. Grouping section title.   | 7. Quantity of parts used.                       |
| 2. Model designation of equipment that uses parts listed on this page.             | 8. Description of each component part.           |
| 3. Title and description of assembly.  | 9. Serial number of unit the part fits.          |
| 4. Drawing numbers that correspond to key column numbers for parts identification. | 10. Assembly or kit designated by Key 0 or ••/•. |
| 5. Key column for locating parts shown on drawing.                                 | 11. Grouping index number.                       |
| 6. Part number.  | 12. Page number within the grouping index.       |
|  | 13. Manual title.                                |
|  | 14. Page publication date.                       |

**NOTE:** ◀ Arrows always point toward the front of the engine.

CYLINDER BLOCK

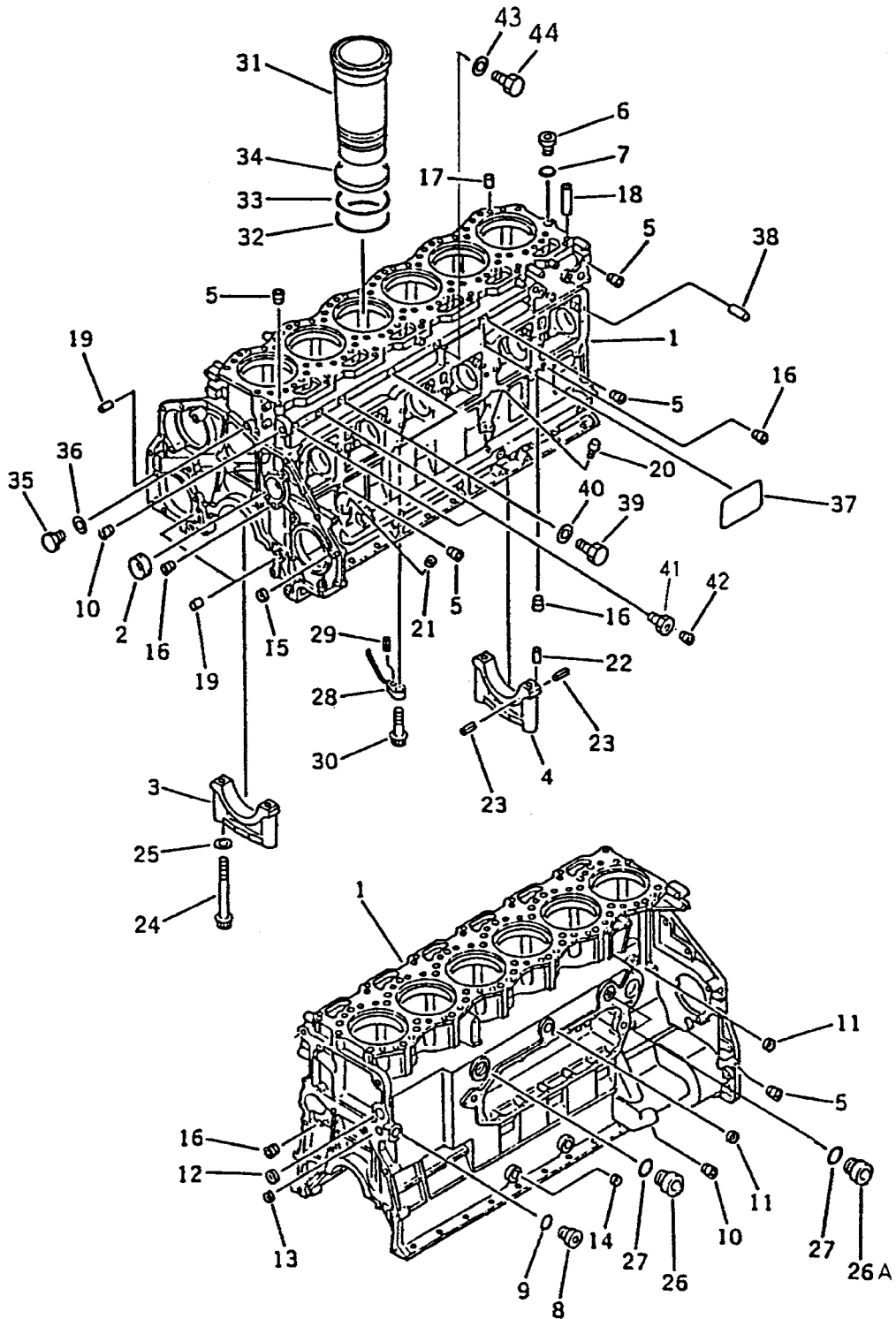


Fig. 201

## GROUP 1 - ENGINE

## CYLINDER BLOCK

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6151-21-1101	1	Cylinder Block Assembly (includes keys 1-25)	-
1	6151-21-1112	1	Cylinder Block	-
2	6150-21-1490	7	Camshaft Bushing	-
3	6150-21-1210	6	Main Bearing Cap	-
4	6150-21-1250	1	Main Bearing Cap	-
5	07043-00108	5	Plug 1/8 BSPT	-
6	07040-12414	1	Plug	-
7	07002-22434	1	O-ring	-
8	07040-13016	1	Plug	-
9	07002-23034	1	O-ring	-
10	07043-00617	3	Plug	-
11	07046-43016	2	Plug	-
12	07046-44016	1	Plug	-
13	07046-22516	1	Plug	-
14	07046-22816	1	Plug	-
15	07046-21210	4	Plug	-
16	07043-00211	4	Plug	-
17	04020-00820	12	Dowel Pin	-
18	6150-21-1170	1	Tube	-
19	6150-41-2430	3	Pin	-
20	6150-21-5910	1	Bushing	-
21	07046-22010	1	Plug	-
22	04020-00514	2	Dowel Pin	-
23	04025-00408	6	Spring Pin	-
24	6150-21-1710	14	Bolt	-
25	01643-31645	14	Washer	-
26	6150-25-1190	1	Adapter, Tapped for 3/4 NPT	-
26A	6150-21-1180	1	Plug, 1-3/4 x 18	-
27	6150-21-1190	2	O-ring	-
	6151-21-1800	1	Piston Cooling Nozzle Assembly (includes keys 28-29)	-
28	6151-21-1840	1	Piston Cooling Nozzle	-
29	6151-21-1851	1	Pin	-
30	6150-81-9230	6	Bolt	-
31	6151-22-2220	6	Cylinder Liner	-
32	6150-21-2230	6	Lower O-ring	-
33	6150-21-2240	6	Upper O-ring	-
34	6150-21-2250	6	Crevice Seal	-
35	6110-53-5910	1	Plug	-
36	07005-01412	1	Gasket	-
37	6150-81-2120	1	Name Plate	-
38	6150-41-2430	12	Pin	-
39	01050-31012	2	Capscrew, Hex Head M10 x 1.25 x 10 mm	-
40	07005-01012	2	Gasket	-
41	21-00139	2	Adapter, 1/8 BSPT x 1/8 NPT (formerly #6151-21-1230)	-
42	02720-10204	2	Plug	-
43	0740-11409	1	Plug	-
44	07005-01412	1	Gasket	-

DIPSTICK & SIDE COVERS

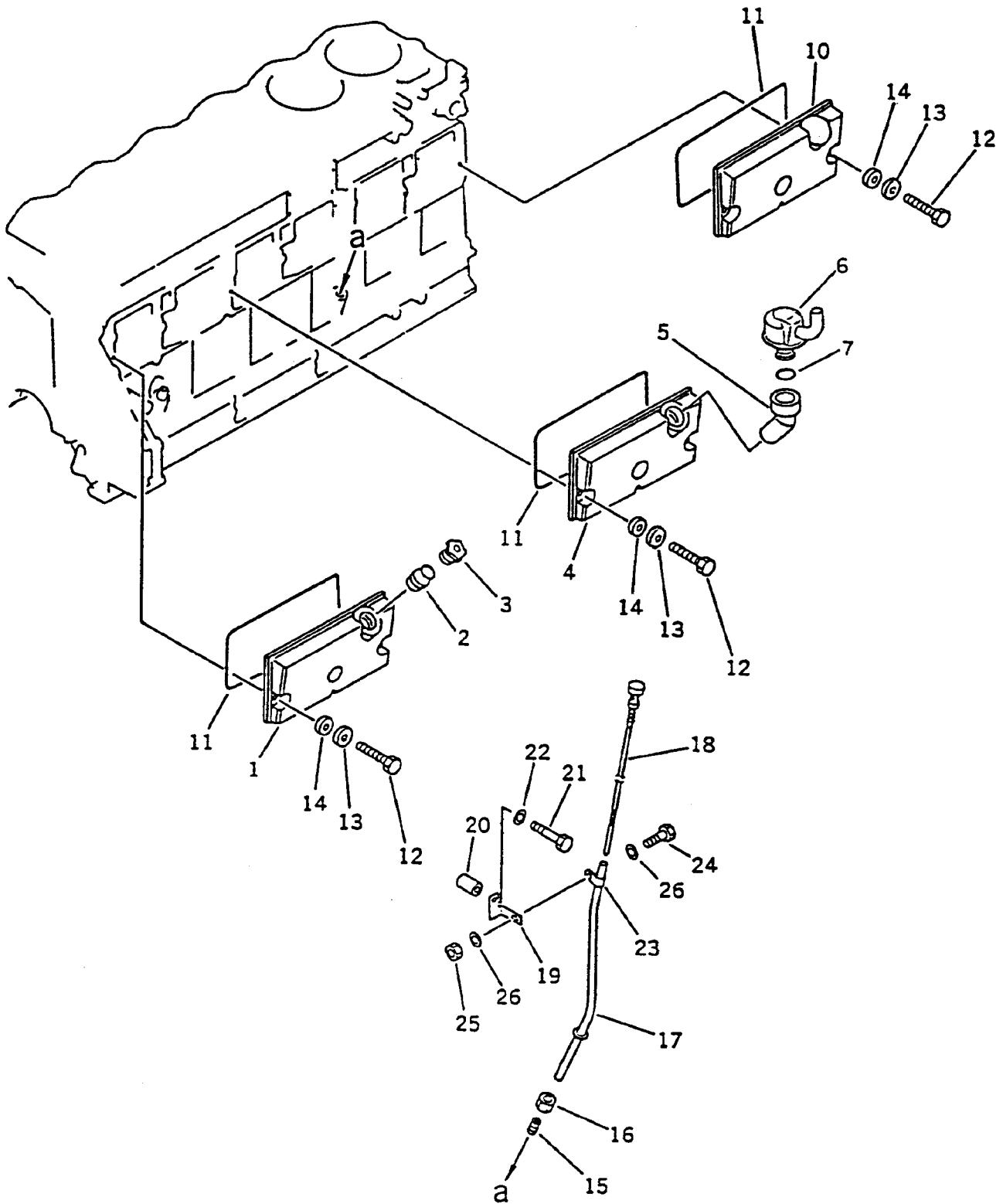


Fig. 205



## GROUP 1 - ENGINE

## DIPSTICK &amp; SIDE COVERS

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6150-21-6500	1	Cover (includes key 2)	-
2		1	Tube (not available separately)	-
3	6130-12-8610	1	Cap	-
4	6150-21-6601	1	Cover (includes key 5)	-
5		1	Connector (not available separately)	-
6	6150-25-6710	1	Crankcase Breather (formerly #6150-21-6710)	-
7	6114-21-5190	1	O-ring	-
10	6150-21-6310	1	Cover	-
11	6150-21-6460	3	Gasket	-
12	6150-21-6470	9	Bolt	-
13	6136-11-8130	9	Washer	-
14	6136-11-8142	9	Packing	-
15	6150-21-5920	1	Collar	-
16	6150-21-5930	1	Nut	-
17	6150-21-5430	1	Guide	-
18	6151-21-5510	1	Dipstick - Left Side (forward & rear sump) 0 - 5° *	-
19	6150-21-5710	1	Bracket	-
20	6643-21-6550	1	Spacer	-
21	12-00817	1	Capscrew, Hex Head M10 x 1.5 x 55 mm	-
22	15-00805	1	Flat Washer M10	-
23	6144-21-5590	1	Clip	-
24	12-04400	1	Capscrew, Hex Head M10 x 1.5 x 15 mm	-
25	14-00811	1	Hex Nut M10 x 1.5	-
26	15-00805	2	Flat Washer M10	-

## \* Note:

See Oil Pan detail for right side Dipstick. Contact dealer or factory for applications beyond 5° down angle.

CRANKSHAFT

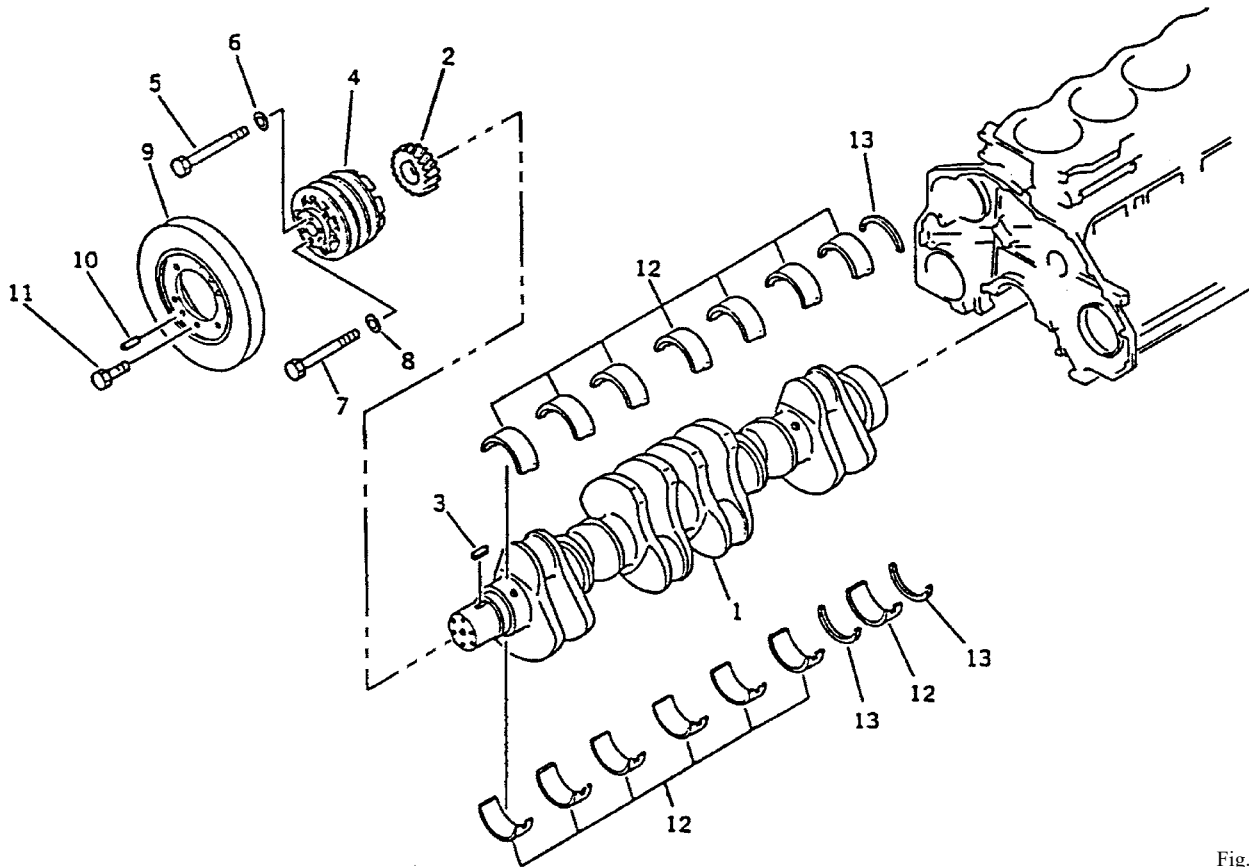


Fig. 231

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6151-31-1010	1	Crankshaft Assembly (includes keys #1 - #3)	-
1	6151-31-1110	1	Crankshaft	-
2	6150-31-1121	1	Gear	-
3	6150-31-1130	1	Key	-
4	34-44800	1	2 Groove Pulley	up to S/N xxxx-0396
	6150-31-1530	1	3 Groove Pulley	from S/N xxxx-0397
5	01051-31410	1	Capscrew, Hex Head M14 x 1.5 x 110 mm (2 Groove Pulley)	-
	01051-31435	1	Capscrew, Hex Head M14 x 1.5 x 135 mm (3 Groove Pulley)	-
6	6130-32-1361	1	Washer	-
7	01051-31615	5	Capscrew, Hex Head M16 x 1.5 x 115 mm (2 Groove Pulley)	-
	01051-31640	5	Capscrew, Hex Head M16 x 1.5 x 140 mm (3 Groove Pulley)	-
8	6150-31-1810	5	Washer	-
9	6151-31-8400	1	Damper, Rubber Type (formerly #6151-31-8200)	-
	6151-31-8300	1	Damper, Viscous Type	-
10	04020-01228	1	Dowel Pin	-
11	01437-01220	6	Capscrew, 12 Point M12 x 1.75 x 20 mm	-
••	6150-21-8000	1	Main Bearing Set - Standard	-
12	6150-21-8010	7	Main Bearing - Standard	-
	6150-29-8010	7	Main Bearing - Undersize, 0.25 mm	-
	6150-28-8010	7	Main Bearing - Undersize, 0.50 mm	-
	6150-27-8010	7	Main Bearing - Undersize, 0.75 mm	-
	6150-26-8010	7	Main Bearing - Undersize, 1.00 mm	-
13	6150-21-8050	1	Thrust Bearing - Standard	-
	6150-29-8050	1	Thrust Bearing - Oversize, 0.25 mm	-
	6150-28-8050	1	Thrust Bearing - Oversize, 0.50 mm	-
	6150-27-8050	1	Thrust Bearing - Oversize, 0.75 mm	-
	6150-26-8050	1	Thrust Bearing - Oversize, 1.00 mm	--

**FLYWHEEL AND HOUSING**

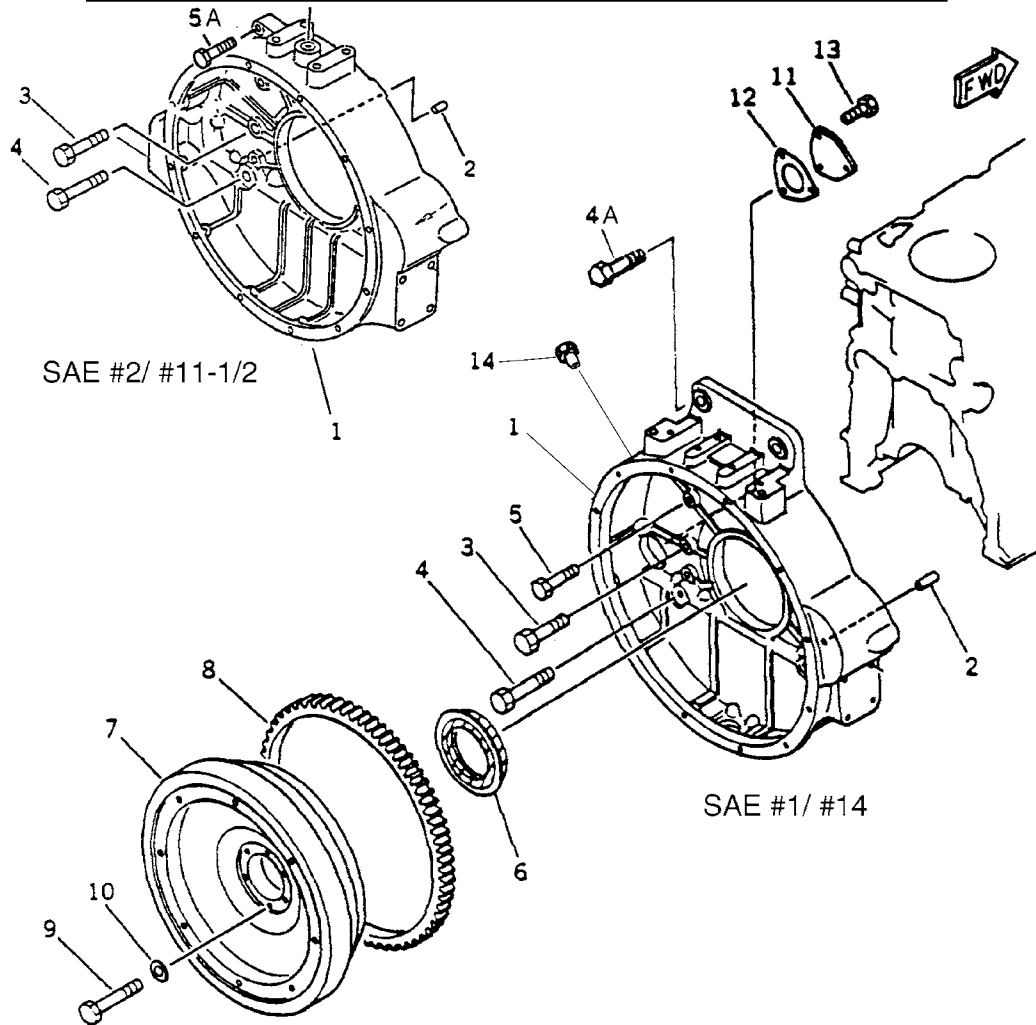


Fig. 221

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6150-21-4190	1	Flywheel Housing - SAE #1	-
	6150-21-4172	1	Flywheel Housing - SAE #2	-
2	6150-21-4770	2	Dowel Pin	-
3	01010-61650	6	Bolt	-
4	01010-61660	2	Bolt	-
4A	01010-61650	2	Bolt	-
5	01010-61050	2	Bolt	-
5A	01010-81045	1	Capscrew, Hex Head M10 x 1.5 x 45 mm	-
6	6151-21-4150	1	Rear Seal - Standard *	-
	6150-29-4230	1	Rear Main Seal - Repair with offset lip*	-
	6151-29-4150	1	Rear Main Seal, Repair type with sleeve	-
7	6151-31-1461	1	Flywheel SAE #14 (formerly #6151-31-1460, includes key #8)	-
	6150-31-1300	1	Flywheel SAE #11-1/2 (includes key #8)	-
8	6150-31-1351	1	Ring Gear SAE #14, (148 Teeth) (formerly #6150-31-1350)	-
	6150-31-1341	1	Ring Gear SAE #11-1/2, (137 Teeth)	-
9	01050-31650	6	Capscrew, Hex Head M16 x 1.5 x 20 mm, SAE #14 Flywheel	-
	01050-61645	6	Capscrew, Hex Head M16 x 1.5 x 45 mm, SAE #11-1/2 Flywheel	-
10	01643-31645	6	Washer	-
11	6150-21-4730	1	Plate	-
12	6150-21-4740	1	Gasket	-
13	12-00805	3	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
14	02030-1225	1	Plug	-
			*Note: Can use repair sleeve #6610-29-1370 with either rear main seal.	

**PISTON AND CONNECTING ROD**

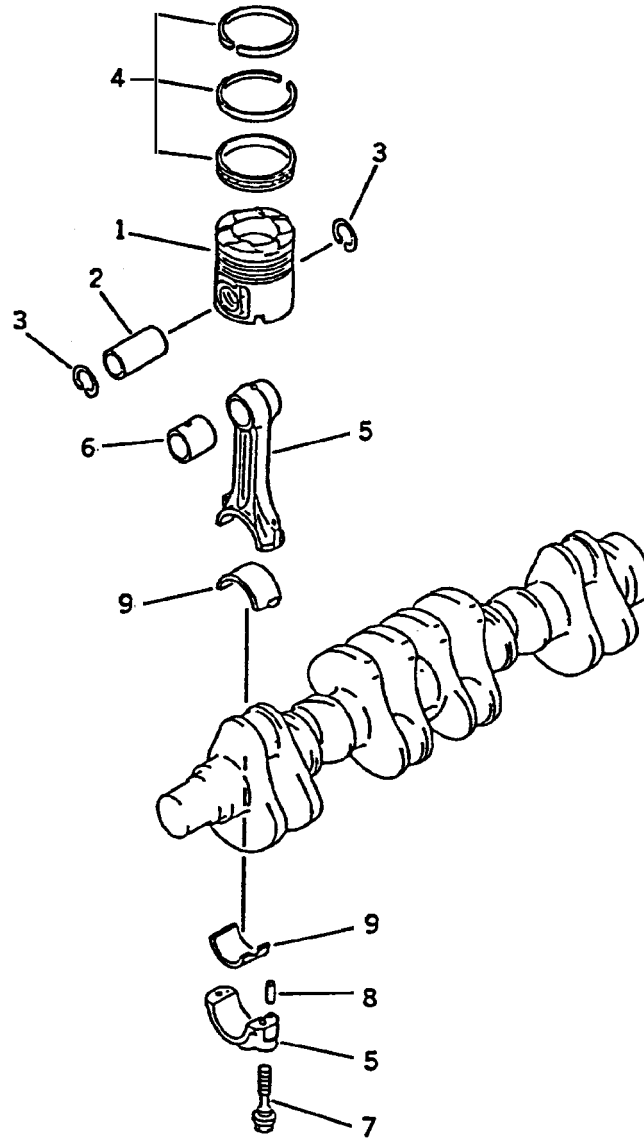


Fig. 235

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6152-31-2113	1	Piston	-
2	6151-31-2410	1	Piston Pin	-
3	04065-04818	2	Snap Ring	-
4	6150-31-2032	6	Piston Ring Set	-
5	6151-31-3101	6	Connecting Rod Assembly (includes keys #6 - #8)	-
6	6150-31-3130	1	Bushing	-
7	6150-31-3310	2	Bolt	-
8	02400-10413	2	Dowel Pin	-
9	6151-31-3040	6	Connecting Rod Bearing - Standard	-
	6151-39-3040	6	Bearing Assembly - Undersize, 0.25 mm	-
	6151-38-3040	6	Bearing Assembly - Undersize, 0.50 mm	-
	6151-37-3040	6	Bearing Assembly - Undersize, 0.75 mm	-
	6151-36-3040	6	Bearing Assembly - Undersize, 1.00 mm	-

**CAMSHAFT**

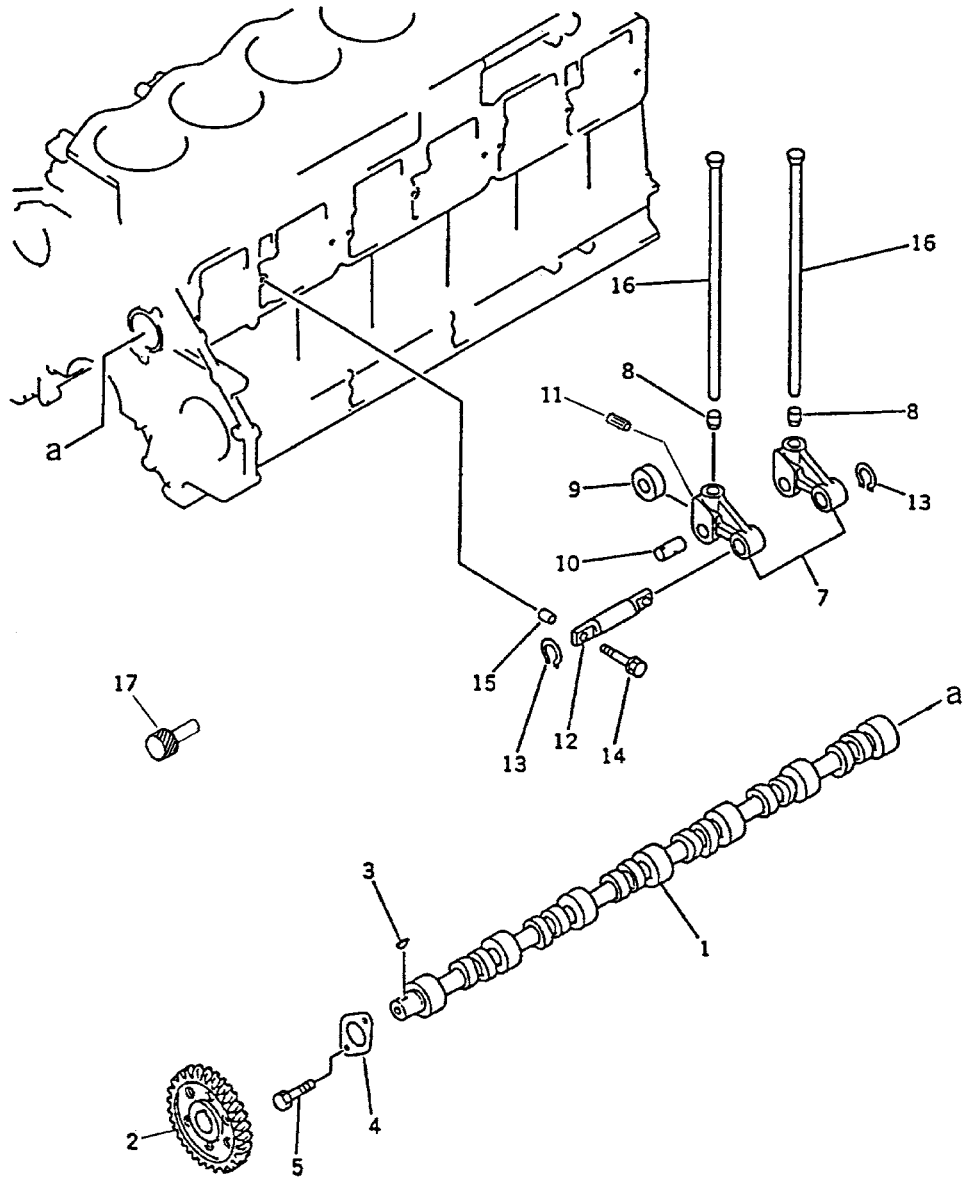


Fig. 241

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6150-41-1012	1	Camshaft Assembly (includes keys #2-4)	-
2	6150-41-1120	1	Camshaft Gear	-
3	04010-00725	1	Key	-
4	6150-41-1130	1	Thrust Plate (formerly #6127-41-1131)	-
5	01010-31022	2	Bolt	-
••	6150-41-2011	6	Paired Lever Assembly (includes keys #7 - 12, formerly #6150-41-2010)	-
7	6150-41-2302	12	Lever Assembly (includes keys #8 - 11, formerly #6150-41-2301)	-
8	6150-41-2331	12	Socket (formerly #6150-41-2330)	-
9	6150-41-2341	12	Roller (formerly #6150-41-2340)	-
10	6150-41-2352	12	Bearing Pin (formerly #6150-41-2351) *	-
11	6150-41-2370	12	Roll Pin	-
12	6150-41-2401	6	Shaft (formerly #6150-41-2400)	-
13	04064-02012	12	Snap Ring	-
14	6150-41-2450	12	Bolt	-
15	6150-41-2430	12	Dowel Pin	-
16	6150-41-3111	12	Push Rod	-
17	6150-81-5131	1	Gear (used with mechanical tachometer drive)	-

\* Available until inventory exhausted.

TIMING GEAR ASSEMBLY

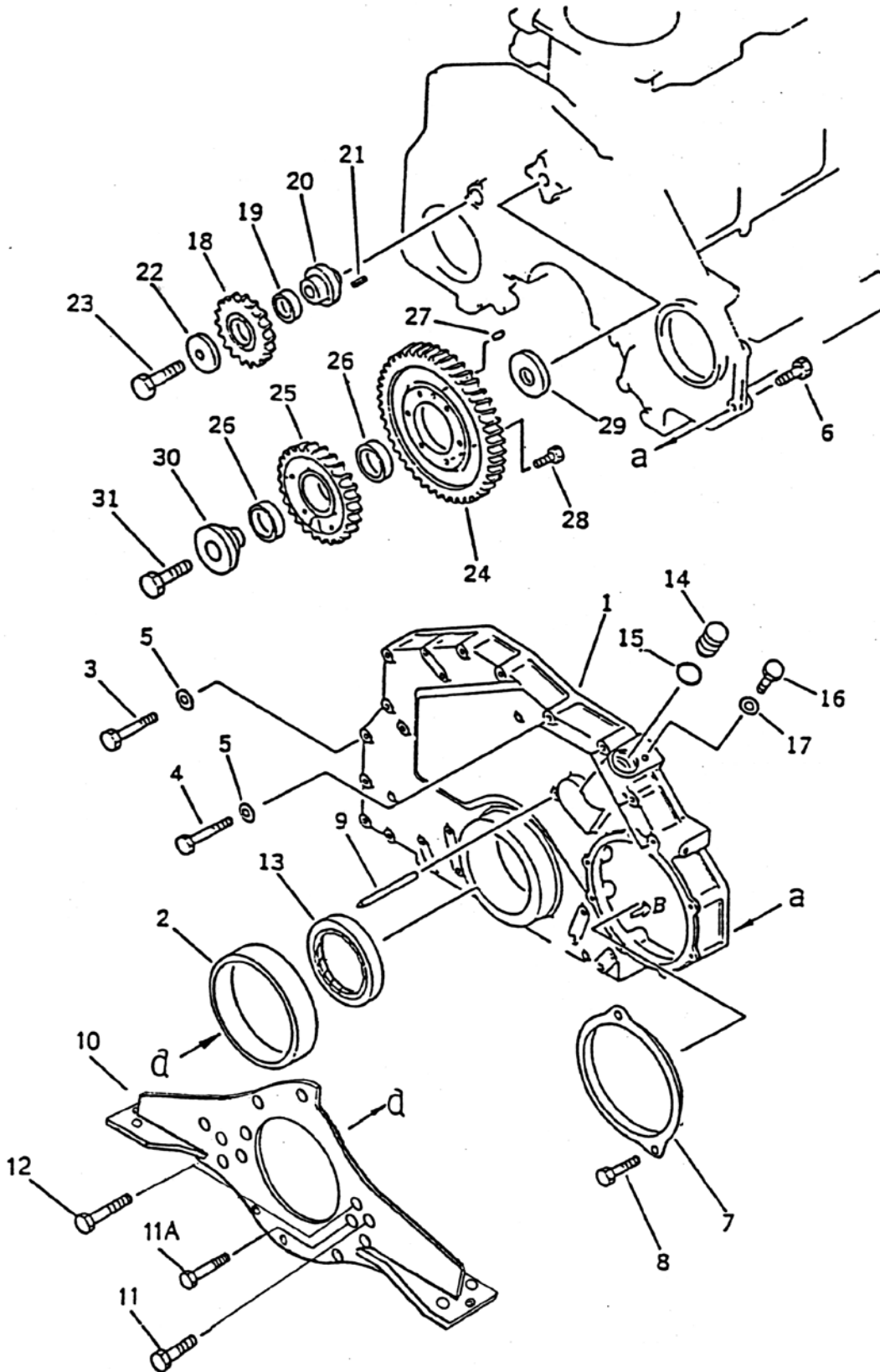


Fig. 211

## GROUP 1 - ENGINE

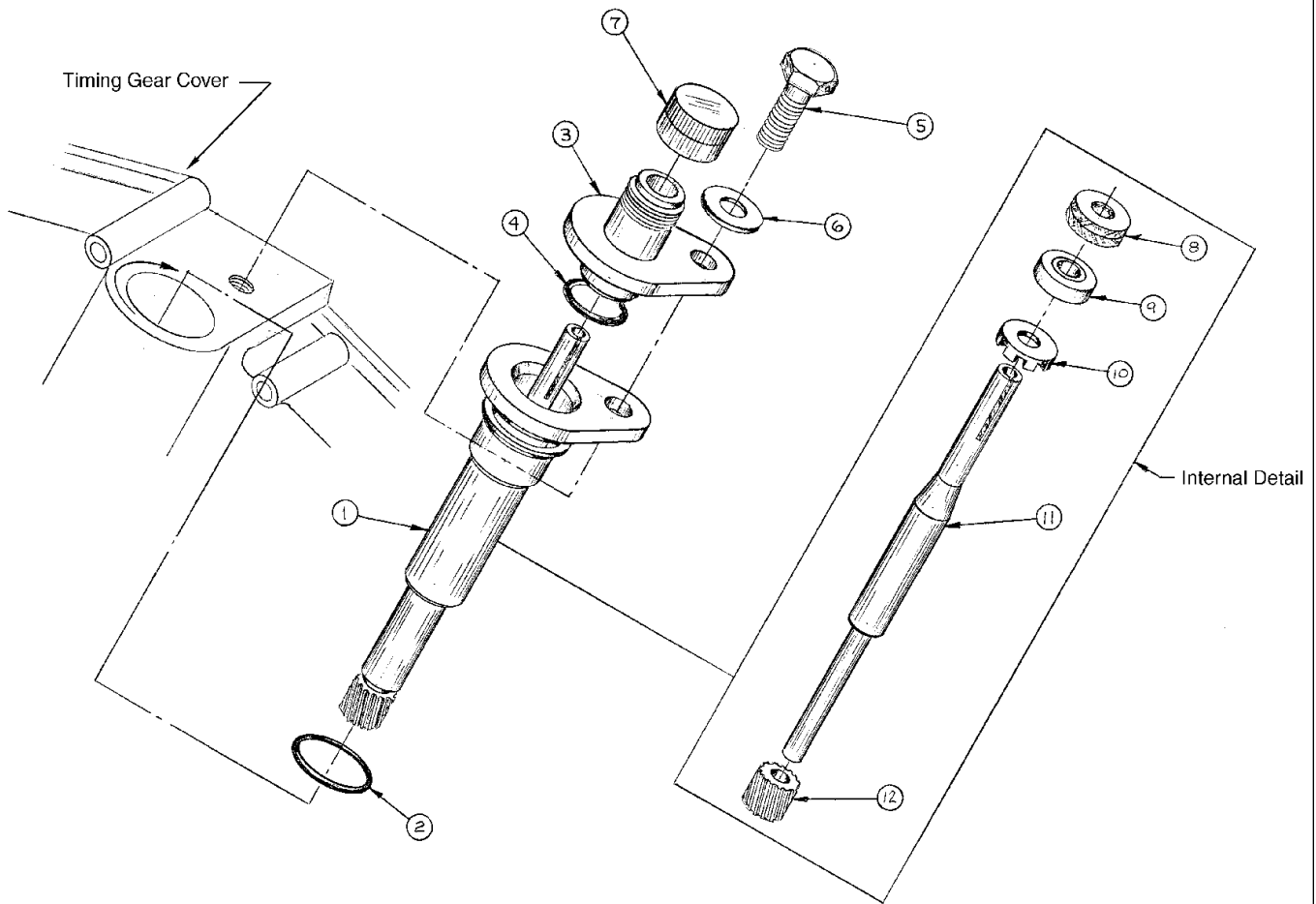
## TIMING GEAR ASSEMBLY

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6150-21-3310	1	Timing Gear Front Cover <sup>1</sup>	-
2	6150-21-3151	1	Bushing	-
3	12-00071	8	Cap screw, Hex Head M10 x 1.5 x 70 mm	-
4	15-00819	4	Cap screw, Hex Head M10 x 1.5 x 75 mm	-
5	15-00805	12	Flat Washer M10	-
6	6150-81-9130	4	Bolt	-
7	6150-21-3510	1	Cover	-
8	12-00805	7	Cap screw, Hex Head M10 x 1.5 x 20 mm	-
9	6151-91-9990	1	Pointer	-
10	6152-21-3720	1	Front Support (for use with PTO, ADE #23-84801)	-
	6152-21-3721	1	Front Support (for use with PTO, ADE #23-84806)	-
	6152-21-3730	1	Front Support (for use without PTO, ADE #23-84802)	-
	6152-21-3731	1	Front Support (for use without PTO, ADE #23-84807)	-
11	12-00816	2	Cap screw, Hex Head M10 x 1.5 x 50 mm	-
11A	01010-E1095	4	Cap screw, Hex Head M10 x 1.5 x 95 mm	-
12	01011-31005	1	Cap screw, Hex Head M10 x 1.5 x 105 mm	-
13	6150-21-3230	1	Crankshaft Seal	-
	00-04803	1	Wear Sleeve, Repair Type	-
14	6150-81-5241	1	Plug	-
15	07000-03030	1	O-ring	-
16	12-00831	1	Cap screw, Hex Head M10 x 1.5 x 25 mm	-
17	6110-23-6490	1	Spacer	-
18	6150-31-6100	1	Gear (formerly #6150-31-6110)	-
19	6150-31-6120	1	Bushing	-
20	6150-21-2510	1	Shaft	-
21	04025-00512	1	Pin	-
22	6150-21-2520	1	Plate	-
23	01010-31460	1	Bolt	-
24	6152-31-6310	1	Gear (includes key #26) <sup>2</sup>	-
25	6150-31-6201	1	Gear (includes key #26) <sup>2</sup>	-
26	6150-31-6220	2	Bushing	-
27	6127-21-1260	1	Pin	-
28	01010-E1030	6	Cap screw, Hex Head M10 x 1.5 x 30 mm <sup>2</sup>	-
29	6150-21-2420	1	Plate	-
30	6150-21-2410	1	Shaft	-
31	6150-21-2430	1	Bolt	-
32	15-00321	5	Flat Washer, 3/8" SAE (not shown)	-
33	01643-31032	6	Washer	-

<sup>1</sup>Note:  
09920-00150 LG-7 Liquid Gasket 150G or equal used as required for sealing timing cover.

<sup>2</sup>Note:  
Replace Gears and Fasteners - keys #24 6150-31-6310, #25 6150-31-6210, and #28 01010-80825, by items listed (including new #33 washer) as a set.

**MECHANICAL TACHOMETER DRIVE**



A-3927/ C-2261

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6150-81-5100	1	Tachometer Drive Assembly (includes keys #1, 8 -12)	-
1	6150-81-5110	1	Housing	-
2	07000-03030	1	O-ring	-
3	6150-81-5140	1	Housing	-
4	07000-02020	1	O-ring	-
5	01014-51030	1	Capscrew, Hex Head M10 x 1.5 x 30 mm (Drilled for safety wire)	-
6	15-00805	1	Flat Washer M10	-
7	6136-81-5291	1	Cap (can use B3362R)	-
8	6162-73-1960	1	Washer	-
9	6150-71-1910	1	Seal	-
10	6162-73-1970	1	Spacer	-
11	6150-81-5120	1	Shaft	-
12	6110-73-3220	1	Gear	-



LUBRICATING OIL FILTER AND ADAPTER

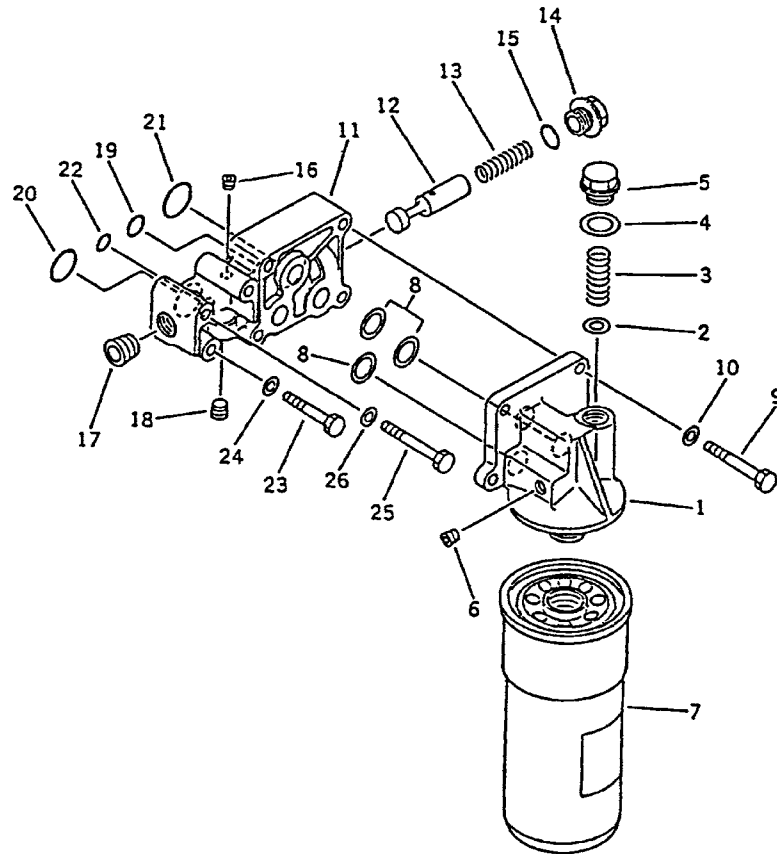


Fig. 311

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6151-51-5100	1	Oil Filter Housing Assembly (includes keys #1 - 7)	-
1	6151-51-5110	1	Bracket	-
2	6162-53-5450	1	Packing	-
3	600-211-1870	1	Spring	-
4	6162-53-5430	1	Packing	-
5	6162-53-5420	1	Cap	-
6	07043-00312	1	Plug	-
7	24-04801	1	Filter Element	-
8	6124-61-2181	3	Grommet	-
9	12-00819	4	Capscrew, Hex Head M10 x 1.5 x 75 mm	-
10	15-00805	4	Flat Washer M10	-
11	6151-51-5503	1	Adapter Assembly (includes keys #12-18, formerly 6151-51-5502) *	-
12		1	Valve *	-
13	6151-51-5560	1	Spring	-
14		1	Plug *	-
15	07000-63028	1	O-Ring	-
16	07043-00108	1	Plug	-
17	07043-00617	1	Plug	-
18	07043-00312	1	Plug	-
19	07000-62020	1	O-ring	-
20	07000-63028	1	O-ring	-
21	07000-63035	1	O-ring	-
22	07000-62015	1	O-ring	-
23	12-00048	1	Capscrew, Hex Head M10 x 1.5 x 60 mm	-
24	15-00805	1	Flat Washer M10	-
25	12-00051	2	Capscrew, Hex Head M10 x 1.5 x 90 mm	-
26	15-00805	2	Flat Washer M10	-
			** Keys 12 & 14 are not available separately	

LUBRICATING OIL PUMP AND PICK-UP

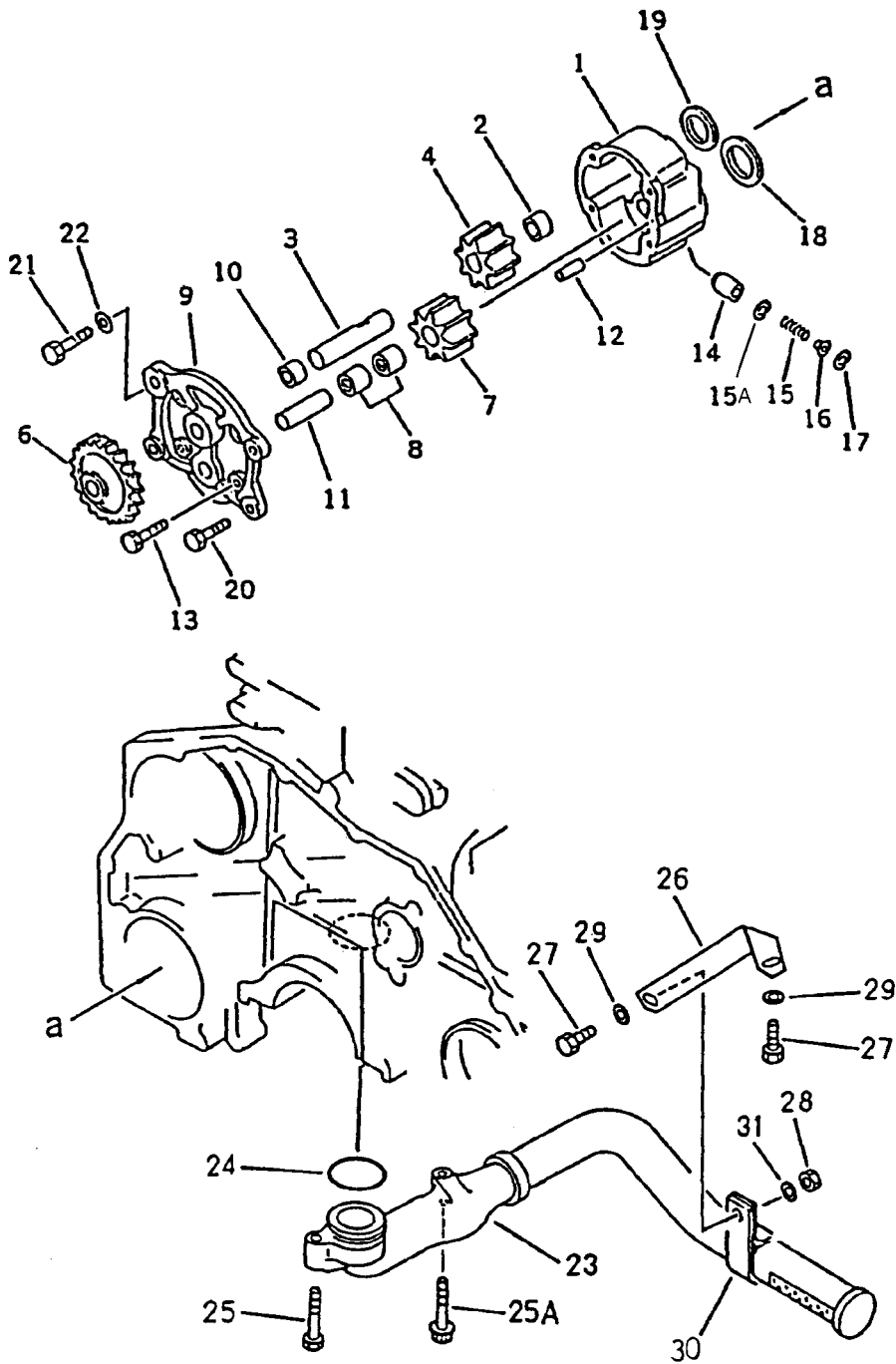


Fig. 301

## GROUP 1 - ENGINE

## LUBRICATING OIL PUMP AND PICK-UP

KEY	PART NUMBER	QTY	DESCRIPTION	KOMATSU S/N
••	6151-51-1005	1	Oil Pump Assembly (includes keys #1 - 21, formerly #6151-51-1002,3,4)	-
1	6151-51-1203	1	Body Assembly (includes key #2, formerly #6151-51-1202)	-
2	6151-51-1430	1	Bushing	-
3	6151-51-1303	1	Pump Shaft Assembly (includes keys #4- 5, formerly 6151-51-1302)	-
4			Gear	-
5			Key (not used with 6151-51-1303) } Not sold separately	-
6	6151-51-1610	1	Gear	-
7	6151-51-1401	1	Gear Assembly (includes key #8)	-
8	6151-51-1421	2	Bushing	-
9	6151-51-1102	1	Cover Assembly (includes keys #10 - 11)	-
10	6151-51-1430	1	Bushing	-
11	6151-51-1320	1	Drive Shaft	-
12	6136-52-1620	1	Pin	-
13	01010-30825	4	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
14	6136-52-1640	1	Valve	-
15	6136-52-1650	1	Spring	-
15A	6151-51-1710	1	Shim (use only on Pump 6151-51-1005)	-
16	6150-51-1651	1	Retainer (formerly #6150-51-1650 - used on Pumps 6151-51-1002, 6151-51-1003, and 6151-51-1004)	-
	6150-51-1660	1	Plug (used only on Pump 6151-51-1005)	-
17	04065-01610	1	Snap Ring	-
18	6150-51-1710	1	Ring	-
19	6150-51-1720	1	Ring	-
20	01010-31025	3	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
21	01010-E1035	1	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
22	01643-31032	1	Washer	-
23	6150-51-6612	1	Oil Strainer, Aft Sump	-
	6150-51-6210	1	Oil Strainer, Forward Sump	-
24	07000-63045	1	O-ring	-
25	01010-31035	1	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
25A	6150-81-9370	1	Bolt	-
26	6150-51-6280	1	Strainer Bracket, Aft Sump	-
	6150-51-6220	1	Strainer Bracket, Forward Sump	-
27	01010-E1020	2	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
28	01580-01008	1	Nut	-
29	01640-01016	2	Washer	-
30	6150-51-6270	1	Clamp	-
31	6115-61-4140	1	Washer	-

GROUP 1 - ENGINE

OIL PAN

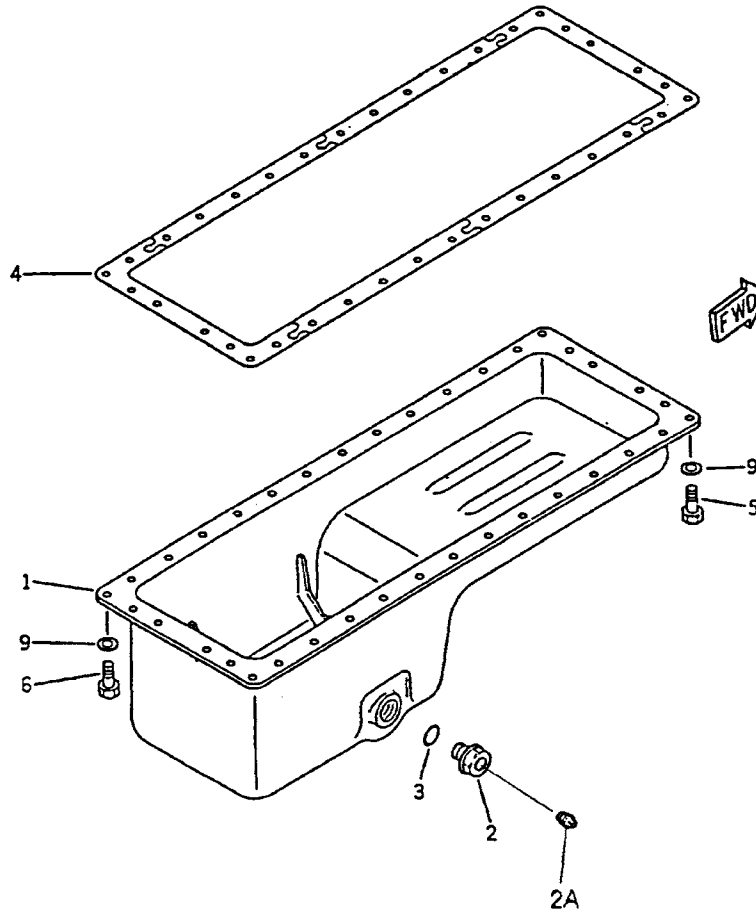
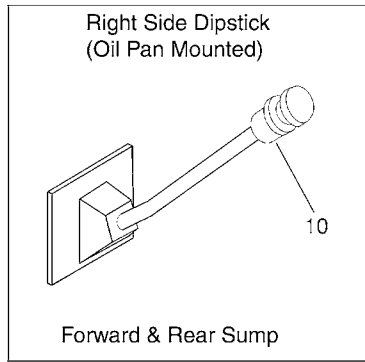
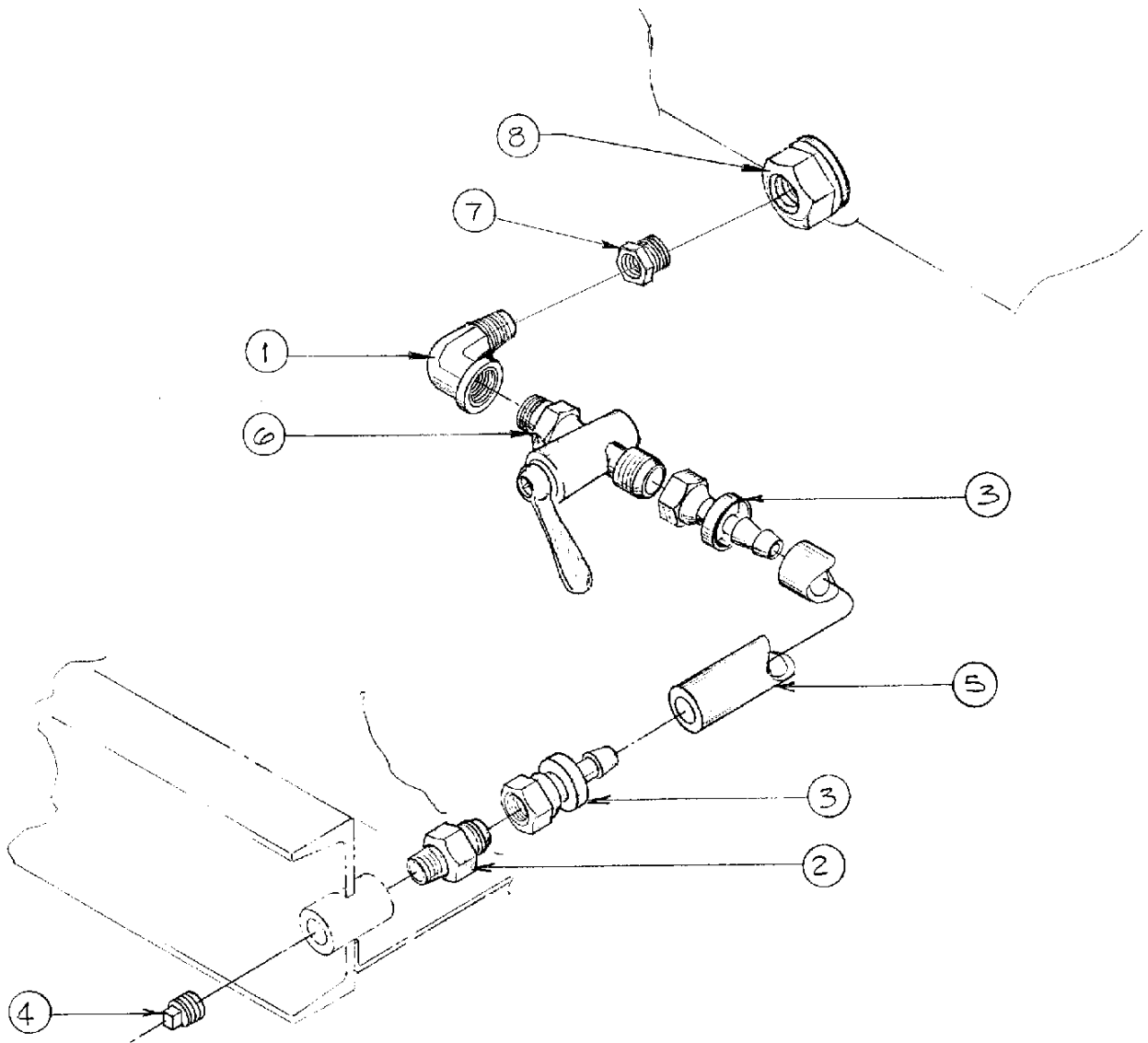


Fig. 215

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6150-21-5110	1	Oil Pan (forward & rear sump w/ left side dipstick) *	-
	31-74810	1	Oil Pan (rear sump w/ right side dipstick) *	-
	31-74805	1	Oil Pan (forward sump w/ right side dipstick) *	-
2	6150-21-5630	1	Bushing, Steel M36 x 1.5 x 1/2 BSPT	-
2A	07042-00415	1	Plug, Socket Head 1/2 BSPT	-
3	07002-03634	1	O-ring	-
4	6150-21-5812	1	Gasket (formerly #6150-21-5810 & 6150-21-5811)	-
5	12-00831	30	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
6	12-00832	6	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
9	15-00805	36	Flat Washer M10	-
10	36-74819	1	Dipstick - 0° Inclination - Forward & Rear Sump *	-
<p>* Note: Oil Pans and Dipsticks for applications beyond 3° inclination contact dealer or factory.</p>				

**OIL DRAIN M6125**

*Right Side Outlet*

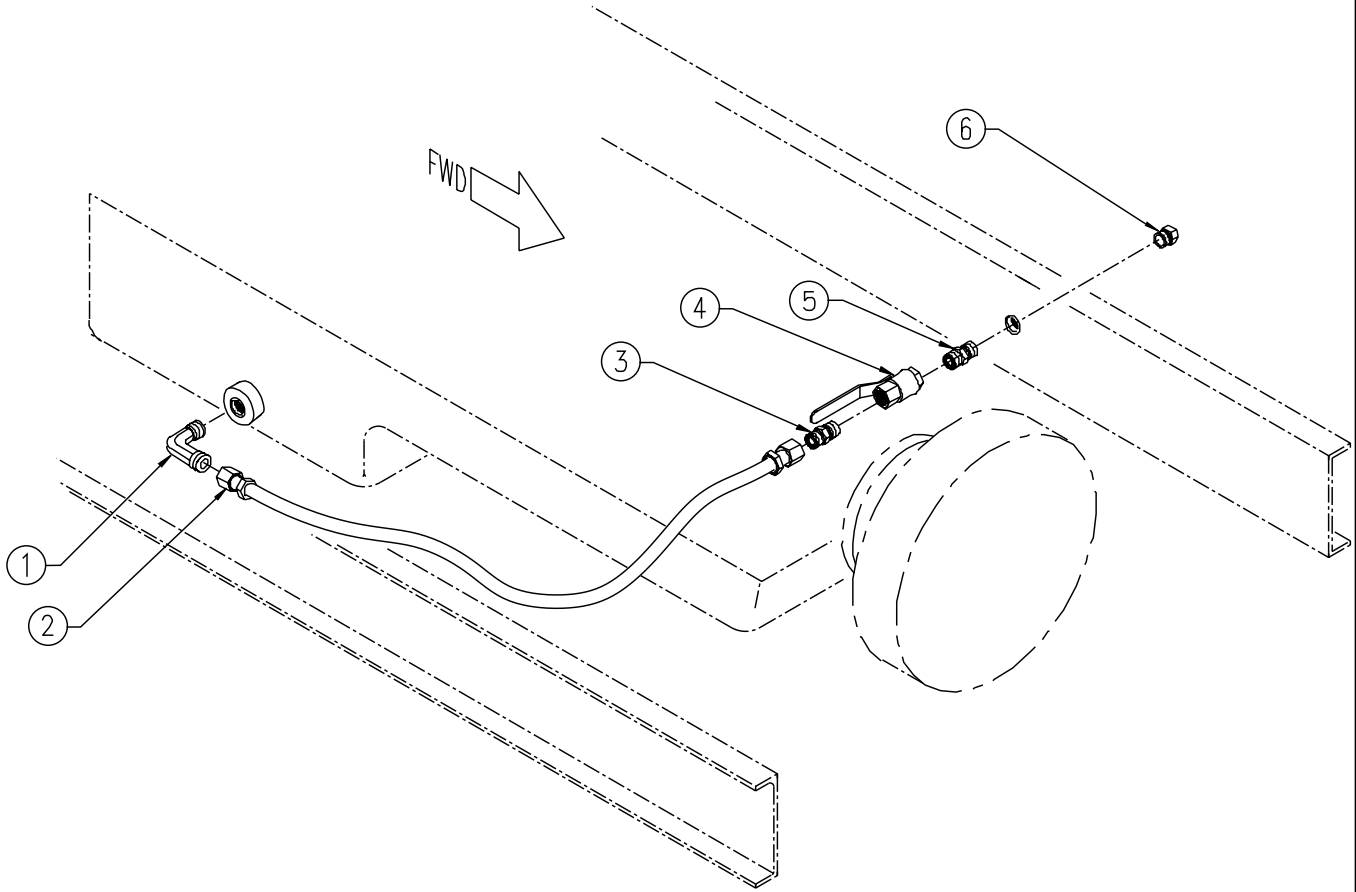


A-2442B/ B-3890A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	21-62506	1	Street Elbow 90°, Steel 3/8 NPT	-
2	21-71040	1	Male Connector 1/2 NPT x 1/2-45T	-
3	21-71042	2	Swivel Fitting 1/2 HB x 1/2-45T	-
4	21-10005	1	Steel Hex Plug 1/2 NPT	-
5	18-72566	1	Hose, 1/2" ID x 15"	-
6	36-71002	1	Shut-off Valve 3/8 NPT x 1/2-45T	-
7	21-00134	1	Bushing, Brass 1/2 NPT x 3/8 NPT	-
8	6150-21-5630	1	Bushing, Steel M36 x 1.5 x 1/2 BSPT	-

OIL DRAIN M6125

Left Side Outlet



A-8891/ C-4468

## GROUP 1 - ENGINE

## OIL DRAIN M6125

*Left Side Outlet*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	21-62507	1	Male Elbow 90°, Steel 1/2 NPT x 5/8 -37T	-
2	18-74806	1	Hose Assembly 1/2" ID x 28"	-
3	21-62510	1	Male Connector, Steel 1/2 NPT x 5/8 -37T	-
4	36-70006	1	Ball Valve, Brass 1/2 NPT Female	-
5	21-00038	1	Hex Nipple, Steel 1/2 NPT	-
6	21-00530	1	Plug, Hex Head, Brass 1/2 NPT	-

CYLINDER HEAD

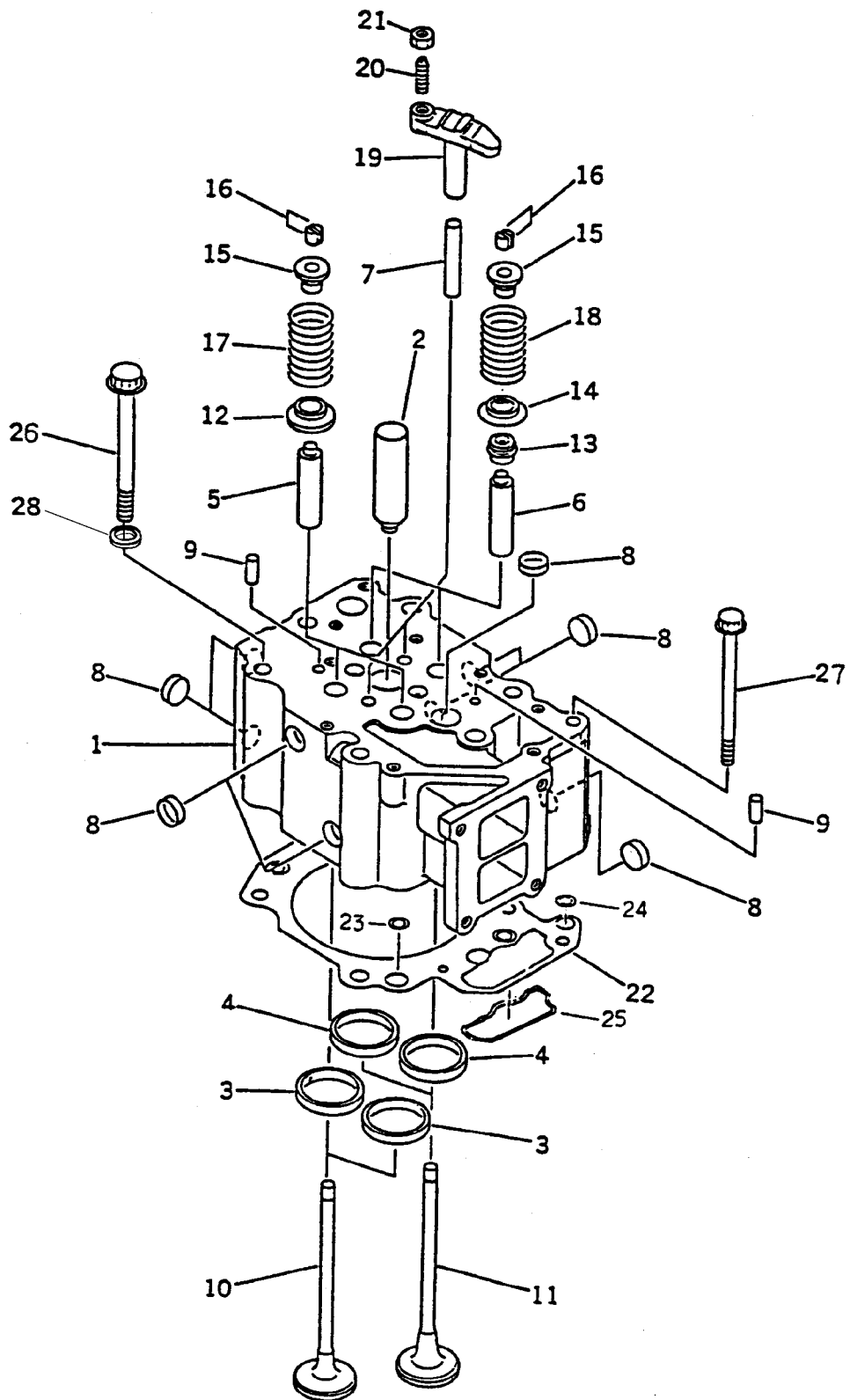


Fig 101



## GROUP 1 - ENGINE

## CYLINDER HEAD

KEY	PART NUMBER	QTY	DESCRIPTION	Serial Number
••	6151-11-1102-7	6	Cylinder Head Assembly with Valves	-
1	6151-11-1102	1	Cylinder Head Assembly without Valves (includes keys #2-9)	-
2	6136-11-1130	1	Injector Sleeve	-
3	6151-11-1330	2	Intake Valve Seat - Standard	-
	6151-19-1330	2	Intake Valve Seat - Oversize 0.25 mm (formerly #6150-19-1331)	-
	6151-18-1330	2	Intake Valve Seat - Oversize 0.50 mm (formerly #6150-18-1331)	-
	6151-17-1330	2	Intake Valve Seat - Oversize 0.75 mm (formerly #6150-17-1331)	-
	6151-16-1330	2	Intake Valve Seat - Oversize 1.00 mm (formerly #6150-16-1331)	-
4	6150-11-1320	2	Exhaust Valve Seat - Standard	-
	6150-19-1320	2	Exhaust Valve Seat - Oversize 0.25 mm	-
	6150-18-1320	2	Exhaust Valve Seat - Oversize 0.50 mm	-
	6150-17-1320	2	Exhaust Valve Seat - Oversize 0.75 mm	-
	6150-16-1320	2	Exhaust Valve Seat - Oversize 1.00 mm	-
5	6150-12-1341	2	Intake Valve Guide	-
6	6150-12-1341	2	Exhaust Valve Guide **	-
7	6150-11-1140	2	Guide Pin	-
8	6162-13-1150	8	Plug	-
9	04020-00820	2	Dowel Pin	-
10	6150-41-4111	2	Intake Valve	-
11	6150-41-4210	2	Exhaust Valve	-
12	6150-41-4540	2	Intake Valve Rotater	-
13	6150-41-4570	2	Exhaust Valve Seal **	-
14	6150-41-4430	2	Exhaust Spring Seat	-
15	6150-41-4510	4	Spring Retainer	-
16	6136-42-4520	8	Keeper	-
17	6150-41-4420	2	Intake Valve Spring	-
18	6150-41-4411	2	Exhaust Valve Spring	-
19	6150-41-5600	12	Crosshead Assembly (includes keys 20-21)	-
20	6150-41-5620	1	Screw	-
21	6150-41-5630	1	Nut	-
22	6150-17-1813	6	Head Gasket up to 490 Hp (formerly #6150-17-1810 & 6150-17-1812)	-
	6150-17-1010	6	Head Gasket Kit with Grommets - from 500 Hp	-
23	6610-11-1822	4	Water Grommet (included with 6150-11-1810)	-
	6150-11-1950	4	Water Grommet (included with 6150-17-1812 & -1813)	-
24	6150-11-1930	1	Oil Grommet (included with 6150-17-1812 & -1813)	-
25	6150-11-1920	1	Oil Grommet (included with 6150-17-1812 & -1813)	-
26	6150-11-1610	36	Capscrew, 12 Point M14 x 2.0 x 165 mm (14 mm head) to 490 Hp	-
	6150-11-1620	36	Capscrew, 12 Point M14 x 2.0 x 170 mm (17 mm head) from 500 Hp	-
27	01438-01020	6	Capscrew, 12 Point M10 x 1.5 x 120 mm (formerly #6150-81-9160)	-
28	6164-31-3330	36	Washer (use only with 6150-11-1620)	-
			** Can use Guide #6150-12-1351 and Seal #6140-41-4540 (must be used together)	

**ROCKER ARM AND HOUSING**

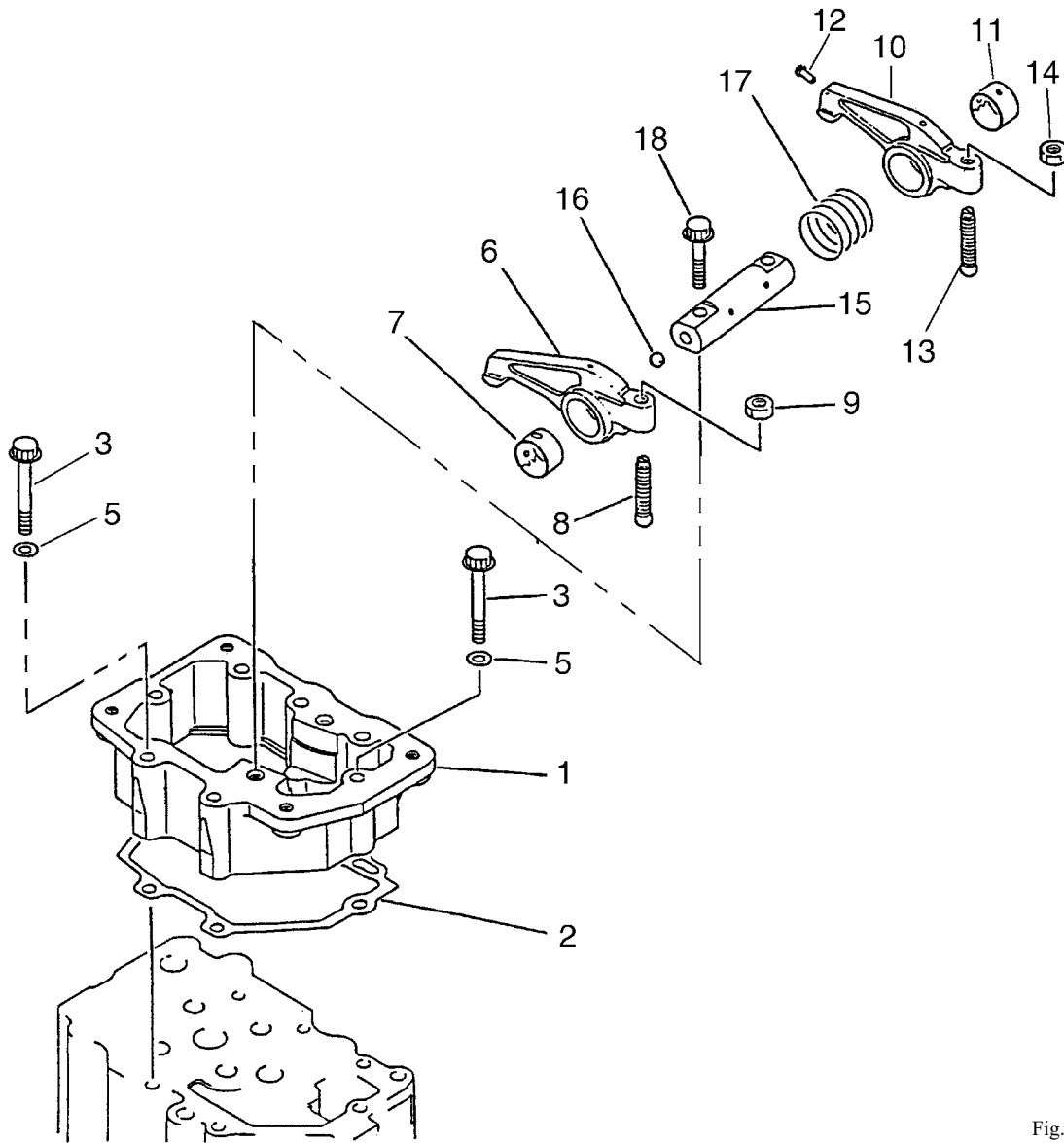


Fig. 103

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6150-11-7110	6	Housing	-
2	6150-11-7810	6	Gasket	-
3	6150-81-9140	42	Bolt	-
5	01640-21016	40	Washer	-
6	6150-41-5400	6	Intake Rocker Arm (includes key 7, formerly #6150-41-5410)	-
7	6150-41-5420	6	Bushing	-
8	6150-41-5540	6	Screw	-
9	01582-01008	6	Nut	-
10	6150-41-5500	6	Exhaust Rocker Arm (includes keys 11-12, formerly #6150-41-5510)	-
11	6150-41-5420	6	Bushing	-
12	6162-43-5340	6	Rivet	-
13	6150-41-5540	6	Screw	-
14	01582-01008	6	Nut	-
15	6150-41-5300	6	Rocker Arm Shaft Assembly (includes key 16)	-
16	6150-81-8420	1	Ball	-
17	6150-41-5320	6	Spring	-
18	6150-81-9370	12	Bolt	-

**ROCKER ARM COVERS**

Standard

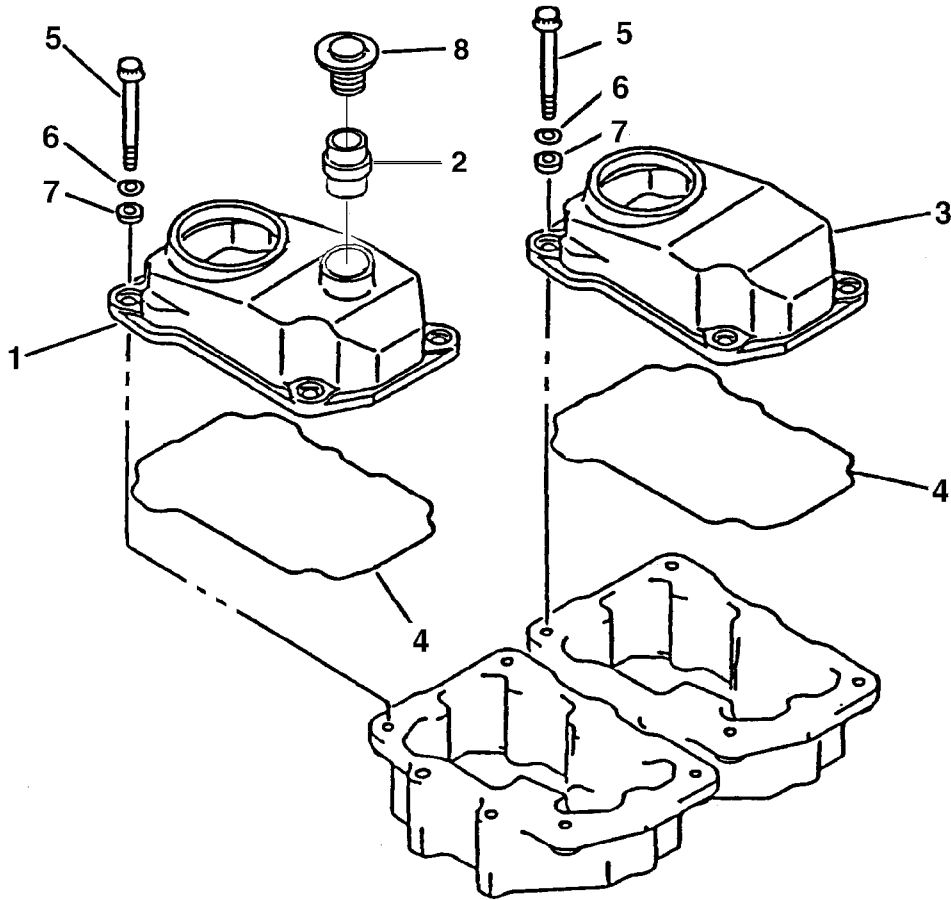


Fig. 105

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6150-11-8151	1	Rocker Arm Cover with Oil Fill (#1)	-
2	6150-21-6510	1	Oil Filler Tube	-
3	6150-11-8111	5	Rocker Arm Cover (#2-6)	-
4	6150-11-8810	6	Gasket	-
5	6150-81-9370	24	Capscrew, 12 Point M10 x 1.5 x 45 mm	-
6	15-00805	24	Flat Washer M10	-
7	6150-11-8820	24	Seal	-
8	6130-12-8610	1	Oil Filler Cap	-

**ROCKER ARM COVERS**

*Chrome Plated (Optional)*

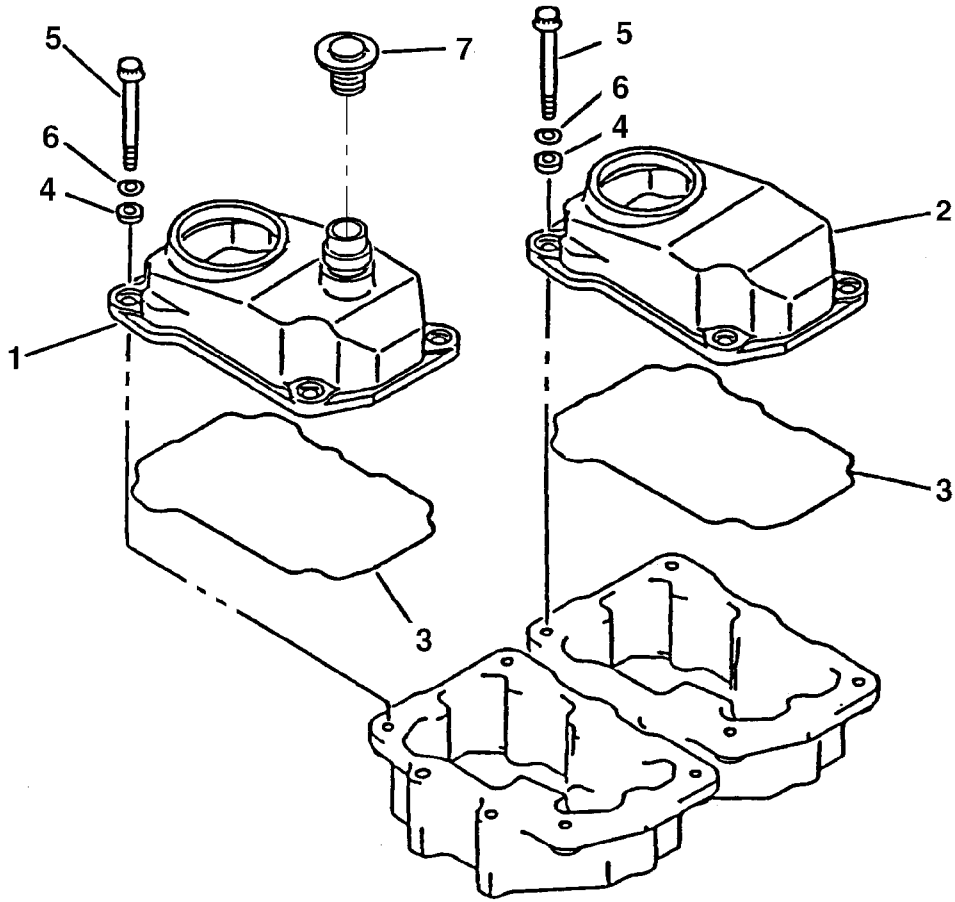


Fig. 105

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-04804	1	Rocker Arm Cover with Oil Fill (Cylinder #1)	-
2	10-04801	5	Rocker Arm Cover (Cylinders #2-6)	-
3	6150-11-8810	6	Gasket	-
4	6150-11-8820	24	Seal	-
5	12-04800	24	Capscrew, 12 Point M10 x 1.5 x 45 mm	-
6	15-04801	24	Flat Washer M10	-
4	6150-11-8820	24	Seal	-
7	6130-12-8610	1	Oil Filler Cap	-

**INTAKE MANIFOLD L-M 6125**

*With Aftercooler*

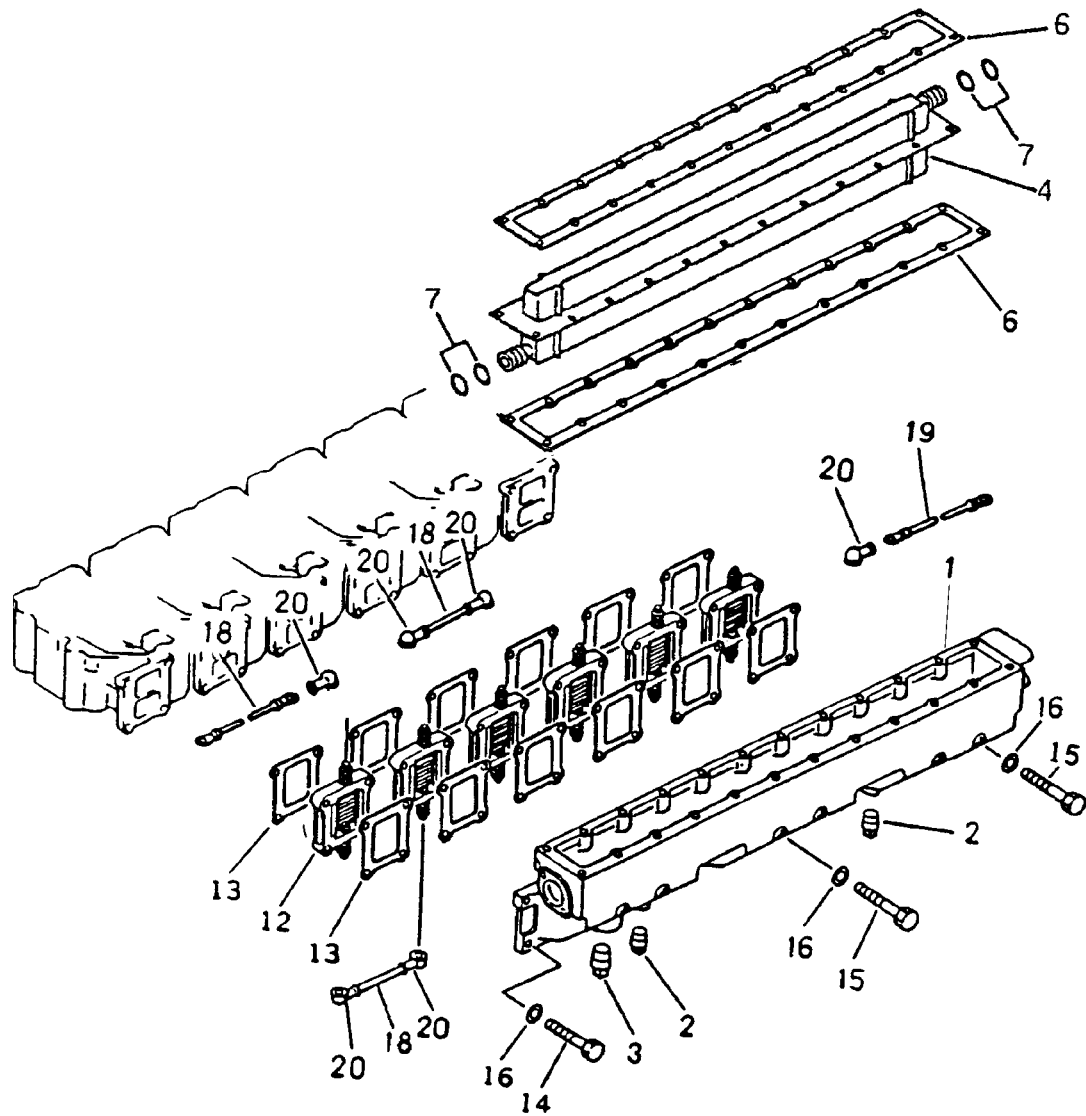


Fig. 111A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6152-11-4910	1	Intake Manifold (includes keys 2-3)	-
2	07042-00108	2	Plug	-
3	07042-00415	1	Plug	-
4	6152-61-6110	1	Aftercooler Element	-
6	6152-11-4710	2	Gasket	-
7	6162-63-6240	4	O-ring	-
12	600-815-3820	6	Heater Element	-
13	6150-11-4810	12	Gasket	-
14	12-00816	18	Capscrew, Hex Head M10 x 1.5 x 50 mm	-
15	01011-31055	6	Capscrew, Hex Head M10 x 1.5 x 155 mm	-
16	01640-21016	24	Washer	-
18	6151-81-4450	5	Wire	-
19	6678-81-4340	2	Wire	-
20	08038-00519	12	Cap	-

**INTAKE MANIFOLD M6125**

*Without Aftercooler*

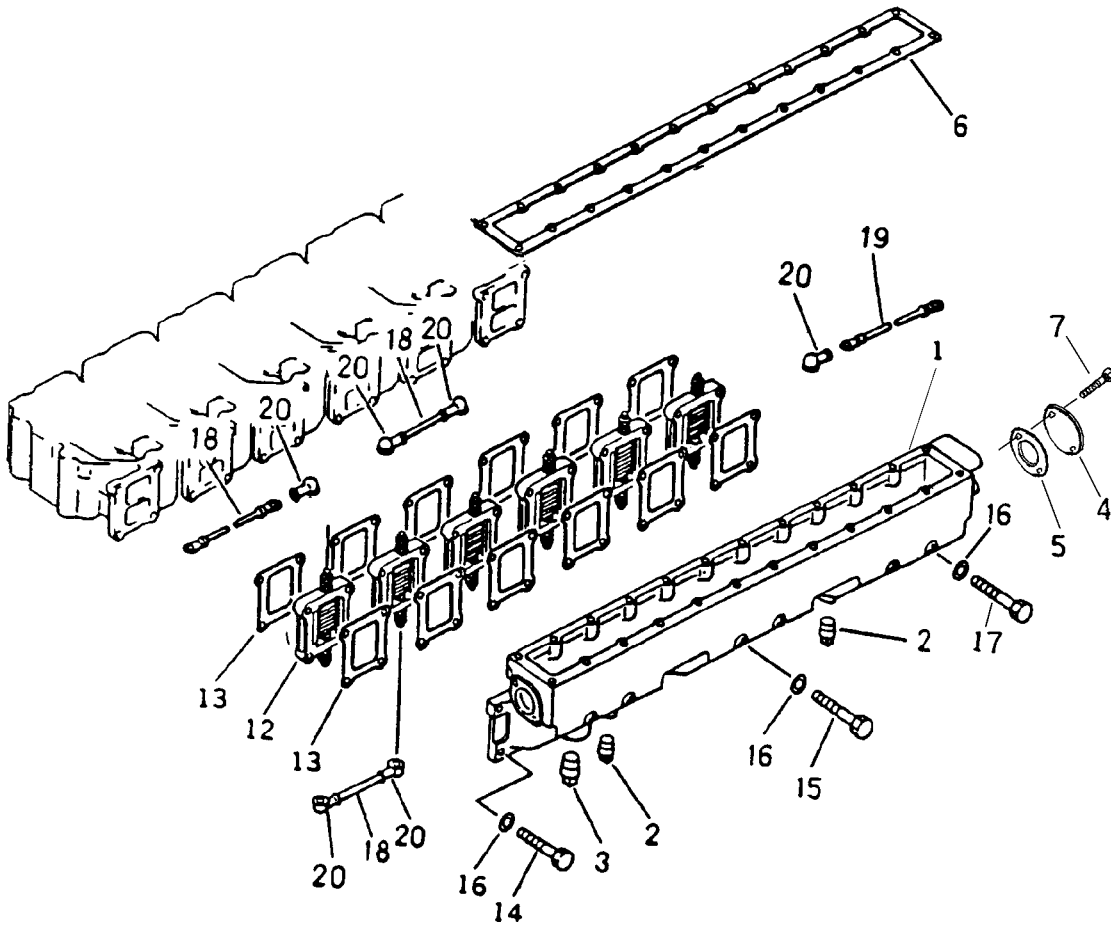


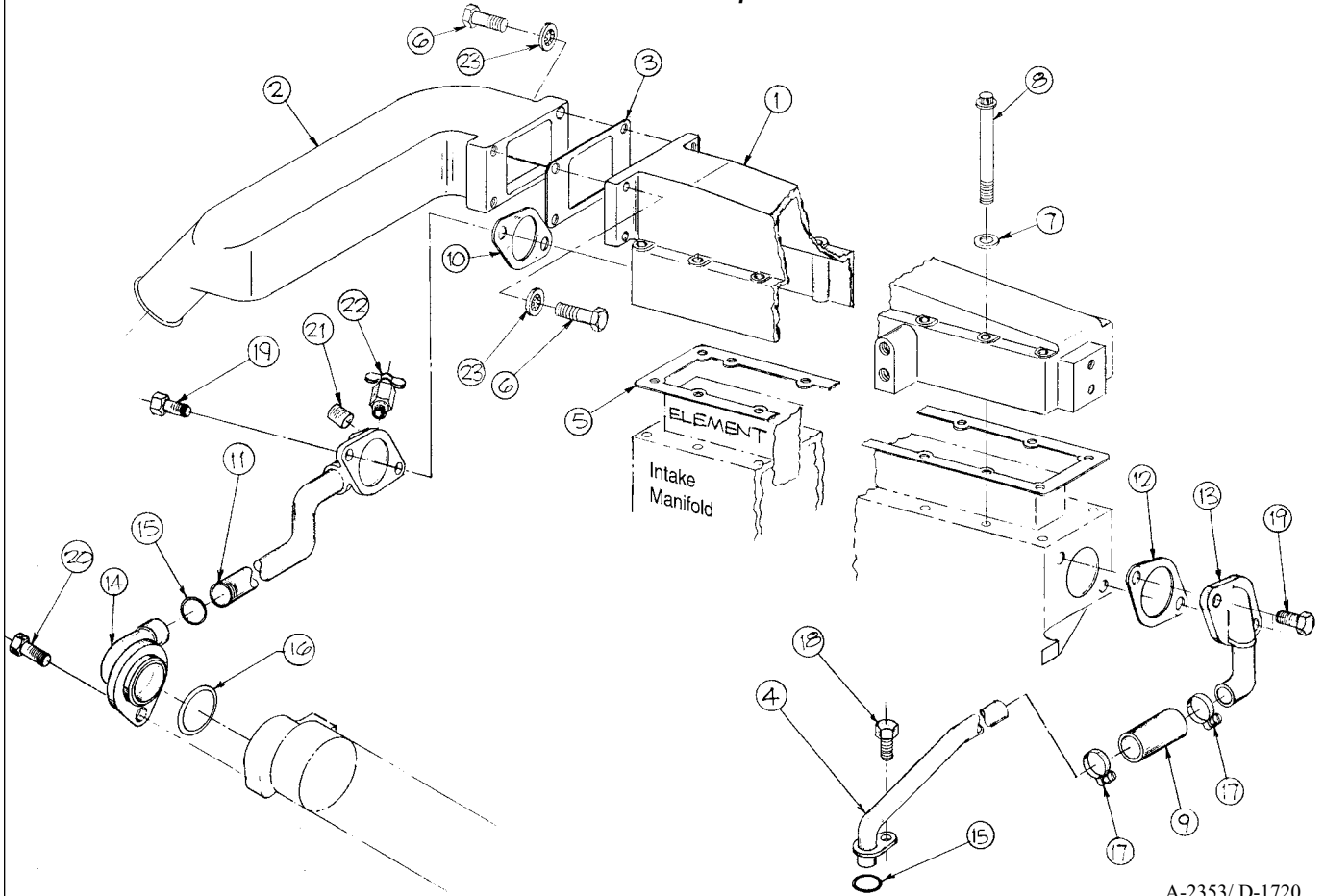
Fig. 111

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6152-11-4910	1	Intake Manifold (includes keys 2-3)	-
2	07042-00108	2	Plug	-
3	07042-00415	1	Plug	-
4	28-24800	1	Cover Plate	-
5	6152-61-6720	1	Gasket	-
6	6152-11-4710	1	Gasket	-
7	12-00831	2	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
12	600-815-3820	6	Heater Element	-
13	6150-11-4810	12	Gasket	-
14	12-00816	16	Capscrew, Hex Head M10 x 1.5 x 50 mm	-
15	12-00817	2	Capscrew, Hex Head M10 x 1.5 x 55 mm	-
16	15-00805	24	Flat Washer M10	-
17	01011-31055	6	Capscrew, Hex Head M10 x 1.5 x 155 mm	-
18	6151-81-4450	5	Wire	-
19	6678-81-4340	2	Wire	-
20	08038-00519	12	Cap	-

GROUP 2 - INTAKE AND EXHAUST SYSTEM

**INTAKE MANIFOLD - UPPER HALF (K36 TURBO)**

L6125 to 440 Hp

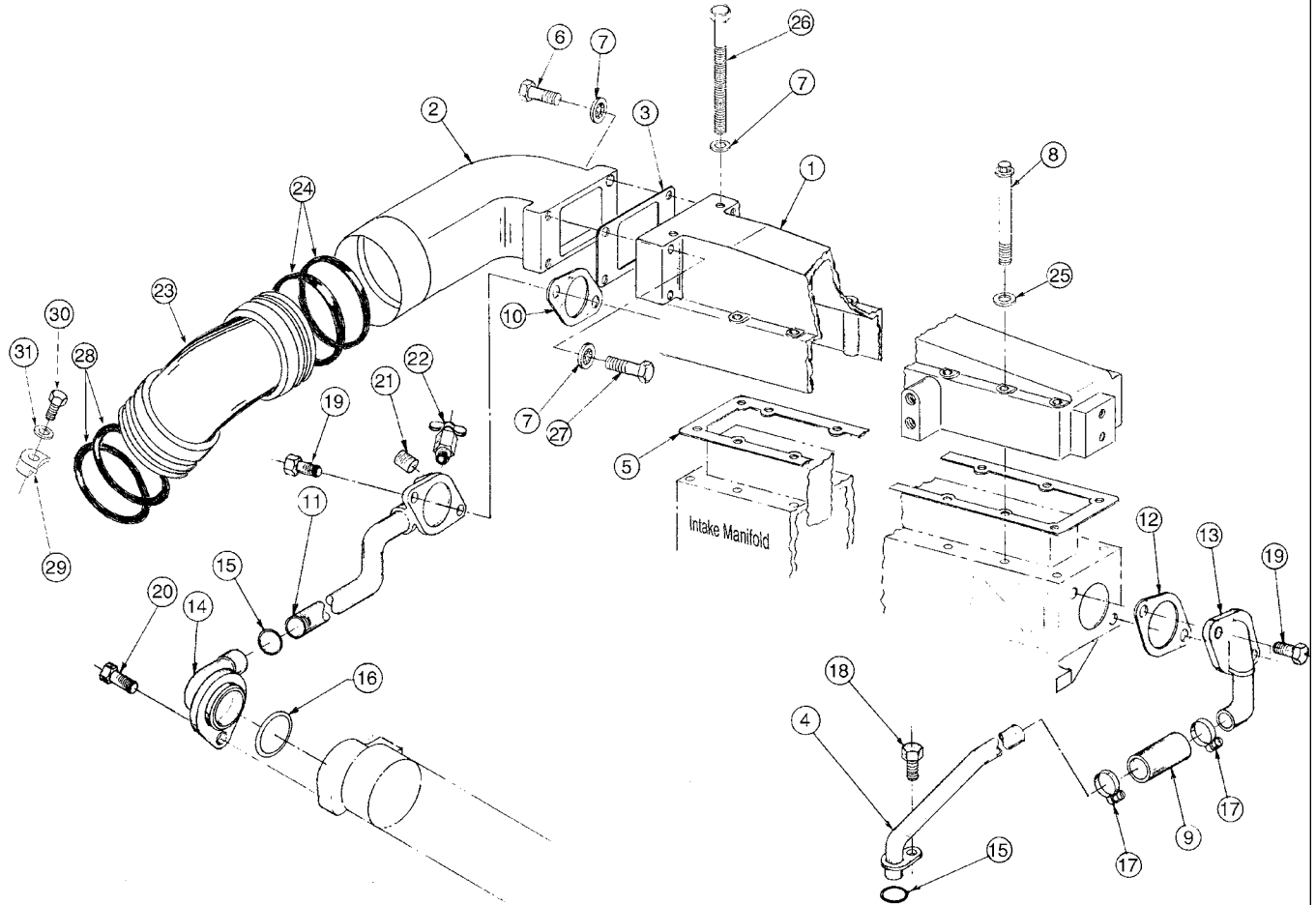


A-2353/ D-1720

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-24801	1	Aftercooler Cover	-
2	10-24802	1	Air Inlet Connector (K36 Turbo)	-
3	11-24800	1	Gasket	-
4	6152-61-6470	1	Tube, Coolant Pump Outlet (Cast Expansion Tank)	-
	27-14806	1	Tube, Coolant Pump Outlet (Fabricated Expansion Tank)	-
5	6152-11-4710	1	Gasket	-
6	12-00714	4	Capscrew, Hex Head M8 x 1.25 x 40 mm	-
7	01641-00812	24	Flat Washer M8 (Special)	-
8	6150-81-8510	24	Capscrew, 12 Point M8 x 1.25 x 85 mm	-
9	07260-22008	1	Hose	-
10	6152-61-6720	1	Gasket	-
11	6152-61-6530	1	Tube, Aftercooler Outlet	-
12	6152-61-6720	1	Gasket	-
13	6152-61-6420	1	Tube, Aftercooler Inlet	-
14	6152-61-6630	1	Elbow, Coolant Manifold Inlet	-
15	07000-02021	2	O-ring	-
16	07000-03030	1	O-ring	-
17	19-00036	2	Hose Clamp #36	-
18	12-00805	1	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
19	12-00814	4	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
20	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
21	02720-40204	1	Plug, Socket Head 1/8 BSPT	-
22	07062-00000	1	Drain Cock 1/8 BSPT	-
23	15-00701	4	Flat Washer M8	-

**INTAKE MANIFOLD- UPPER HALF (4MFW TURBO)**

*L6125A To 490 Hp*



A-4132 / D-2035



## GROUP 2 - INTAKE AND EXHAUST SYSTEM

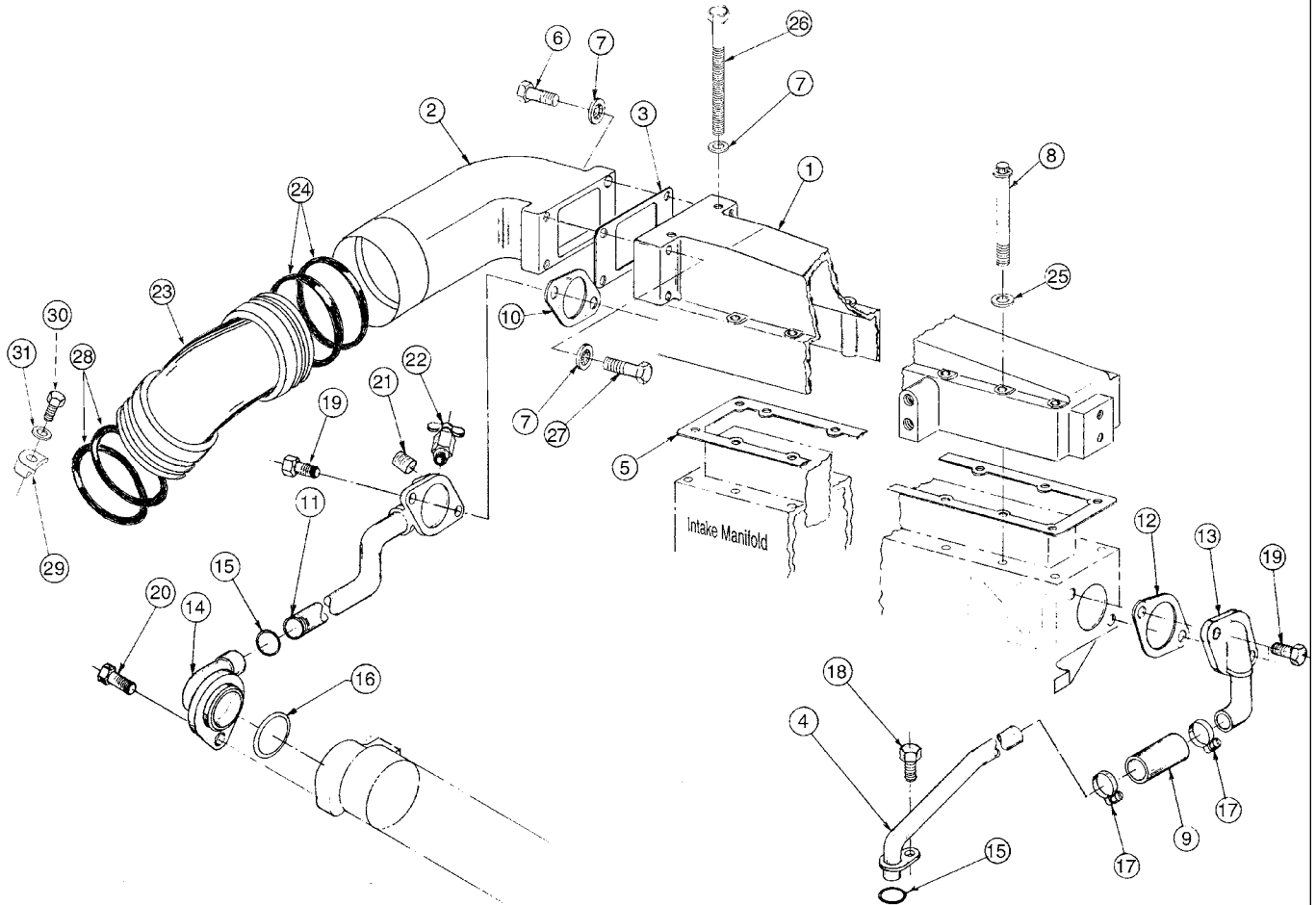
## INTAKE MANIFOLD- UPPER HALF (4MFW TURBO)

L6125A To 490 Hp

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-24801	1	Aftercooler Cover	-
2	10-24808	1	Air Inlet Connector	-
3	11-24800	1	Gasket	-
4	6152-61-6470	1	Tube, Coolant Pump Outlet	-
5	6152-11-4731	1	Gasket	-
6	12-00713	4	Capscrew, Hex Head M8 x 1.25 x 35 mm	-
7	15-00701	**	Flat Washer M8	-
8	6150-81-8510	**	Capscrew, 12 Point M8 x 1.25 x 85 mm	-
9	18-14800	1	Hose 7/8" ID x 3-1/2"	-
10	6152-61-6720	1	Gasket	-
11	6152-61-6530	1	Tube, Aftercooler Outlet	-
12	6152-61-6720	1	Gasket	-
13	6152-61-6420	1	Tube, Aftercooler Inlet	-
14	6152-61-6630	1	Elbow, Coolant Manifold Inlet	-
15	07000-02021	2	O-ring	-
16	07000-03030	1	O-ring	-
17	19-00036	2	Hose Clamp #36	-
18	12-00805	1	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
19	12-00814	4	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
20	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
21	21-51900	1	Socket Head Pipe Plug 1/8 BSPT	-
22	21-10001	1	Drain Cock 1/8 BSPT	-
23	10-24806	1	Air Inlet Elbow	-
24	16-25002	2	O-ring	-
25	01641-00812	**	Flat Washer M8 Special	-
26	12-00730	**	Capscrew, Hex Head M8 x 1.25 x 170 mm	-
27	15-00717	2	Capscrew, Hex Head M8 x 1.25 x 35 mm	-
28	16-25002	2	O-ring	-
29	00-24802	1	Clamp	-
30	12-00312	1	Capscrew, Hex Head 3/8 -16 x 1"	-
31	15-00302	1	Lock Washer 3/8	-
			**As required	

INTAKE MANIFOLD - UPPER HALF (S4DWL TURBO)

L6125A From 500 Hp



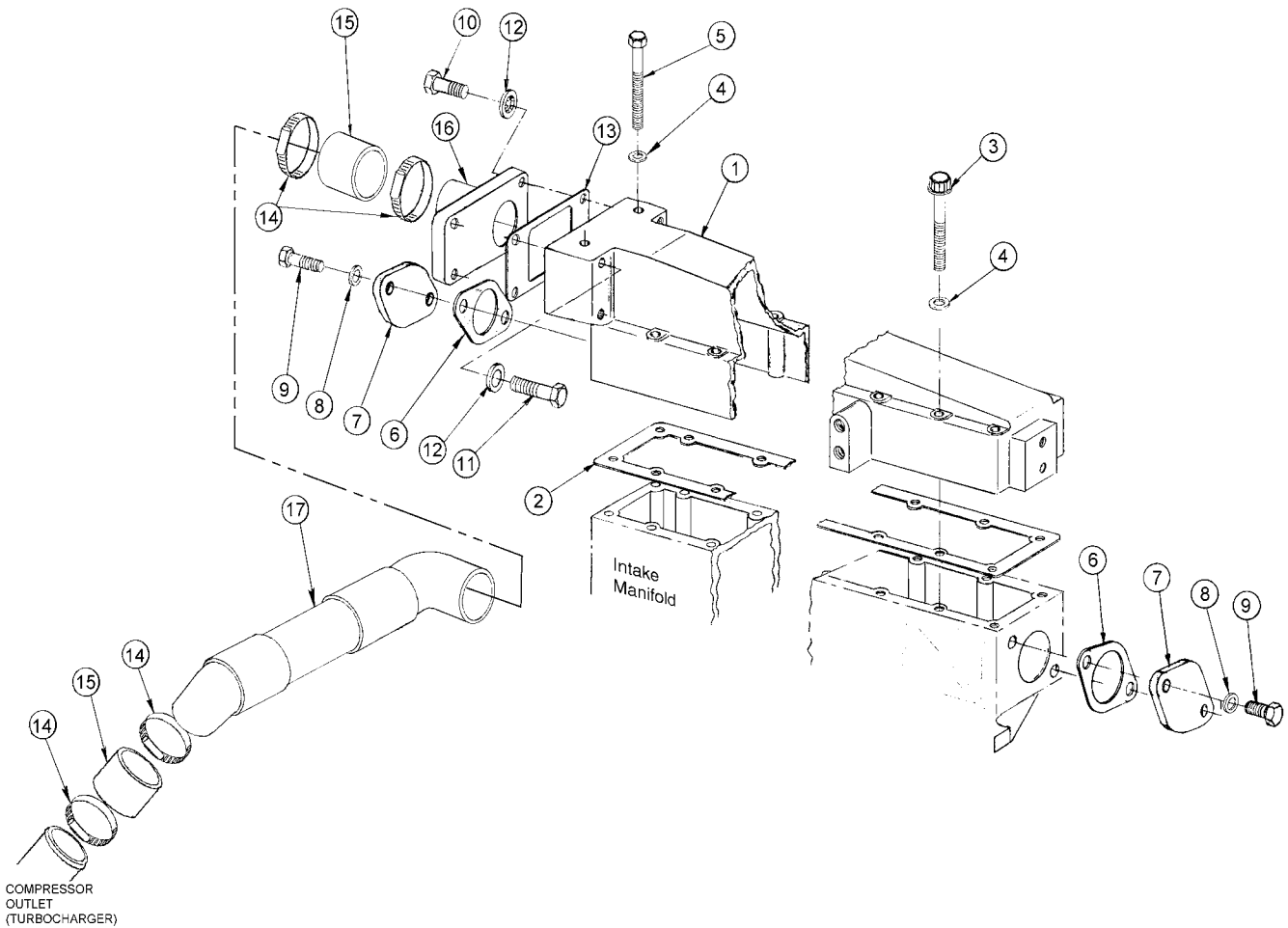
## GROUP 2 - INTAKE AND EXHAUST SYSTEM

**INTAKE MANIFOLD - UPPER HALF (S4DWL TURBO)***L6125A From 500 Hp*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-24801	1	Aftercooler Cover	-
2	10-24812	1	Air Inlet Connector	-
3	11-24800	1	Gasket	-
4	6152-61-6470	1	Tube, Coolant Pump Outlet	-
5	6152-11-4731	2	Gasket	-
6	12-14802	2	Capscrew, Socket Head M8 x 1.25 x 30 mm	-
7	15-00701	6	Flat Washer M8	-
8	6150-81-8510	22	Capscrew, 12 Point M8 x 1.25 x 85 mm	-
9	18-14800	1	Hose	-
10	6152-61-6720	1	Gasket	-
11	6152-61-6530	1	Tube, Aftercooler Outlet	-
12	6152-61-6720	1	Gasket	-
13	6152-61-6420	1	Tube, Aftercooler Inlet	-
14	6152-61-6630	1	Elbow, Coolant Manifold Inlet	-
15	07000-02021	2	O-ring	-
16	07000-03030	1	O-ring	-
17	07281-00359	2	Hose Clamp	-
18	01010-51020	1	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
19	01010-51035	4	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
20	01010-51025	1	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
21	02720-40204	1	Socket Head Pipe Plug 1/8 BSPT	-
22	07062-00000	1	Drain Cock 1/8 BSPT	-
23	10-24813	1	Air Inlet Elbow	-
24	16-25002	2	O-ring	-
25	01641-00812	25	Flat Washer M8 Special	-
26	12-00730	2	Capscrew, Hex Head M8 x 1.25 x 170 mm	-
27	12-00716	2	Capscrew, Hex Head M8 x 1.25 x 55 mm	-
28	16-24801	2	O-ring	-
29	00-24802	2	Clip, Air Tube Retaining	-
30	12-00312	1	Capscrew, Hex Head 3/8 -16 x 1"	-
31	15-00302	1	Lock Washer 3/8	-

**INTAKE MANIFOLD - UPPER 1/2 (K27 TURBO)**

*M6125T - QT @ 1200/1500 RPM Without Aftercooler*



INTAKE AND EXHAUST SYSTEM

**INTAKE MANIFOLD - UPPER 1/2 (K27 TURBO)**

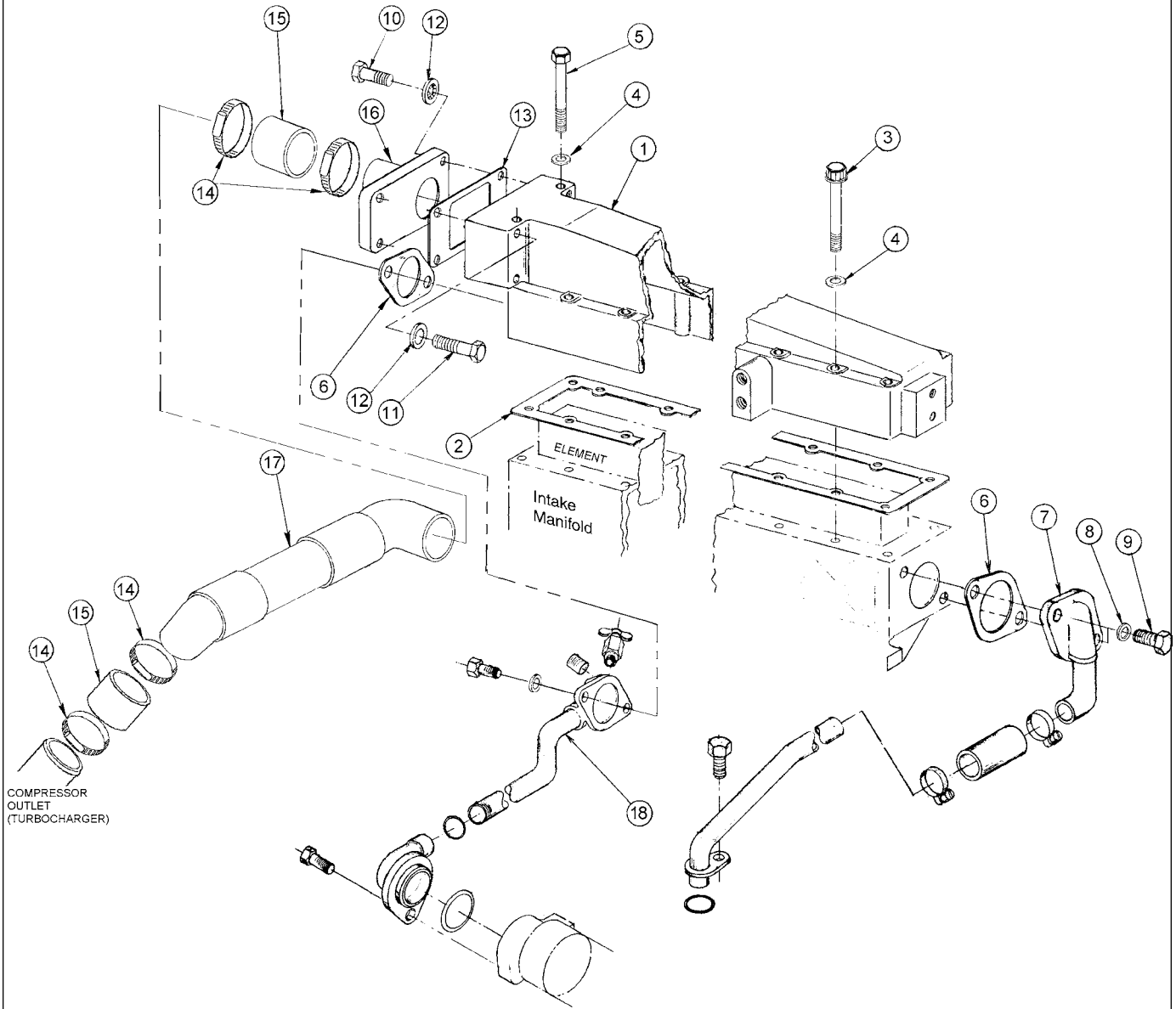
*M6125T - QT @ 1200/1500 RPM Without Aftercooler*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-24801	1	Cover, Intake Manifold	-
2	6152-11-4710	1	Gasket	-
3	6150-81-8510	22	Capscrew, 12 Point M8 x 1.25 x 85 mm	-
4	01641-00812	24	Flat Washer, M8 Special	-
5	12-00730	2	Capscrew, Hex Head M8 x 1.25 x 170 mm	-
6	6152-61-6720	2	Gasket	-
7	28-24800	2	Plate, Coolant Outlet Block-off	-
8	15-00802	4	Lock Washer	-
9	12-00814	4	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
10	12-00713	2	Capscrew, Hex Head M8 x 1.25 x 35 mm	-
11	12-00716	2	Capscrew, Hex Head M8 x 1.25 x 55 mm	-
12	15-00701	4	Flat Washer	-
13	11-24800	1	Gasket	-
14	19-00032	4	Hose Clamp #32	-
15	18-21014	2	Hose, 2" ID x 2-3/8"	-
16	31-24802	1	Air Inlet Adapter	-
17	27-24802	1	Air Inlet Connector	-

INTAKE AND EXHAUST SYSTEM

**INTAKE MANIFOLD - UPPER 1/2 (K27 TURBO)**

*M6125T - @ 1500 RPM With Aftercooler*



A-4232 / B-3623 / C-3508

INTAKE AND EXHAUST SYSTEM

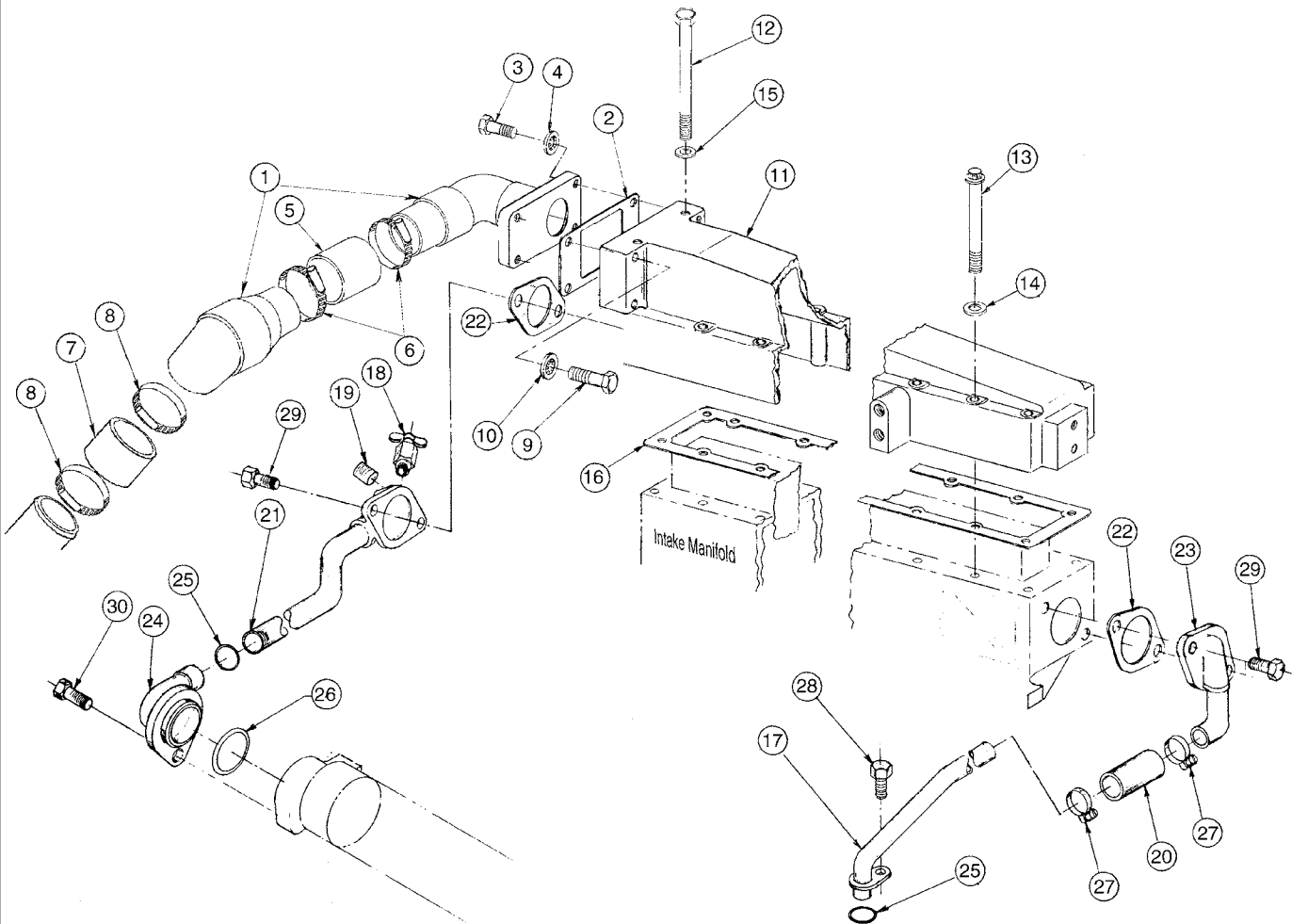
**INTAKE MANIFOLD - UPPER 1/2 (K27 TURBO)**

*M6125T - @1500 RPM With Aftercooler*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-24801	1	Cover, Intake Manifold	-
2	6152-11-4710	1	Gasket	-
3	6150-81-8510	22	Capscrew, 12 Point M8 x 1.25 x 85 mm	-
4	01641-00812	24	Flat Washer, M8 Special	-
5	12-00730	2	Capscrew, Hex Head M8 x 1.25 x 170 mm	-
6	6152-61-6720	2	Gasket	-
7	6152-61-6420	1	Tube, Aftercooler Inlet	-
8	15-00802	4	Lock Washer	-
9	12-00814	4	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
10	12-00713	2	Capscrew, Hex Head M8 x 1.25 x 35 mm	-
11	12-00716	2	Capscrew, Hex Head M8 x 1.25 x 55 mm	-
12	15-00701	4	Flat Washer	-
13	11-24800	1	Gasket	-
14	19-00032	4	Hose Clamp #32	-
15	18-21014	2	Hose, 2" ID x 2-3/8"	-
16	31-24802	1	Air Inlet Adapter	-
17	27-24802	1	Air Inlet Connector	-
18	6152-61-6530	1	Tube, Aftercooler Outlet	-

INTAKE MANIFOLD - UPPER 1/2 (S3AW TURBO)

M6125T - A @ 1800 RPM With Aftercooler



A-7060A / B-7674 / D-2035A



INTAKE AND EXHAUST SYSTEM

**INTAKE MANIFOLD - UPPER 1/2 (S3AW TURBO)**

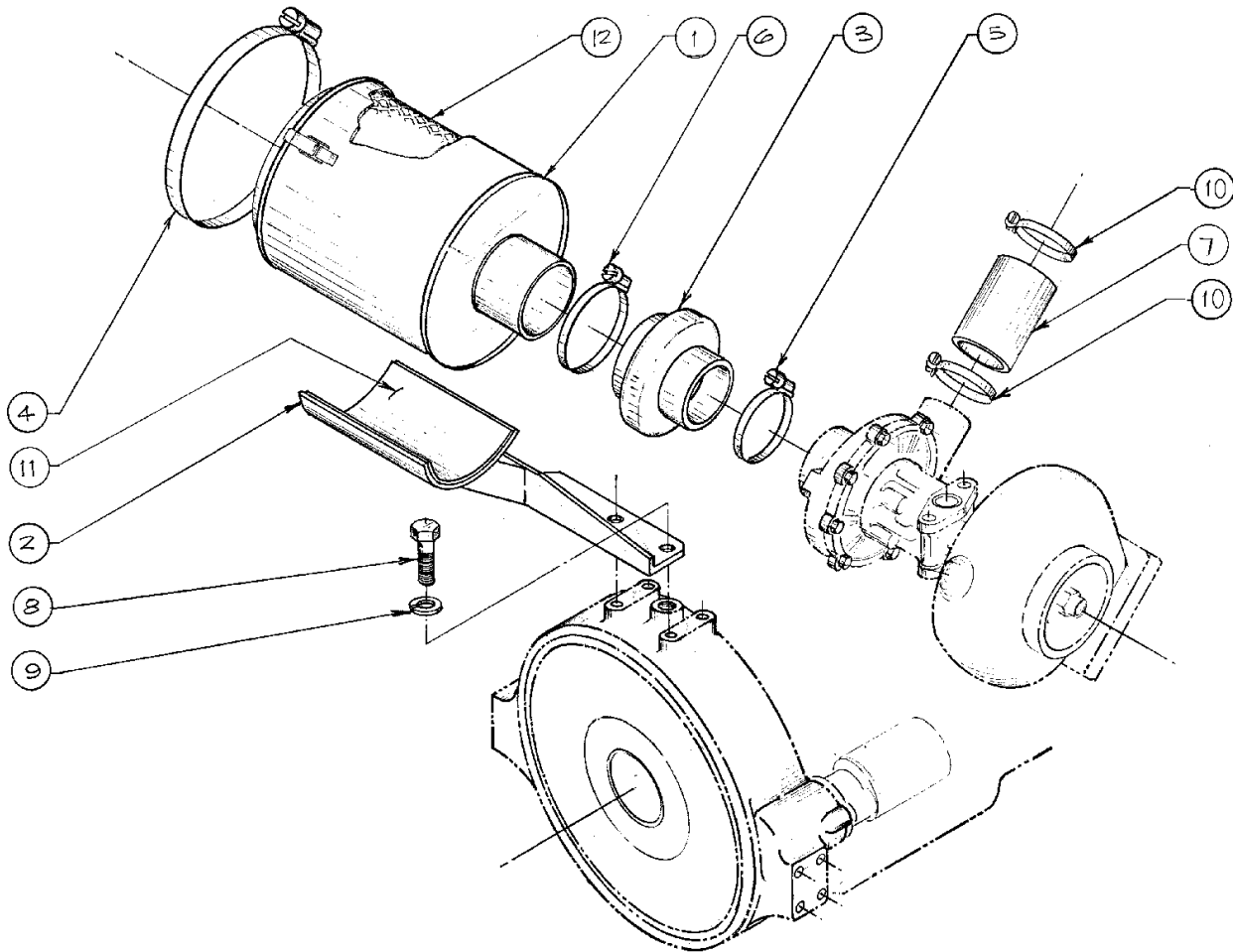
*M6125T - A @ 1800 RPM With Aftercooler*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-24807	1	Air Inlet Connector	-
2	11-24800	1	Gasket	-
3	12-00713	2	Capscrew, Hex Head M8 x 1.25 x 35 mm	-
4	15-00701	2	Flat Washer M8	-
5	18-25702	1	Hose, 3" ID x 2 -3/4" 6 Ply Silicone	-
6	19-00052	2	Hose Clamp #52	-
7	18-24808	1	Hose, 2" ID x 4" 3 Ply Silicone	-
8	19-00028	2	Hose Clamp #28	-
9	12-00717	2	Cap Screw, Hex Head M8 x 1.25 x 60 mm	-
10	15-00702	2	Lock Washer, Helical M8	-
11	10-24801	1	Aftercooler Cover	-
12	12-00730	2	Capscrew, Hex Head M8 x 1.25 x 170 mm	-
13	6150-81-8510	22	Capscrew, 12 Point M8 x 1.25 x 85 mm	-
14	01641-00812	22	Flat Washer M8 Special	-
15	15-00701	2	Flat Washer M8	-
16	6152-11-4710	1	Gasket	-
17	6152-61-6470	1	Tube, Coolant Pump Outlet (Cast Expansion Tank)	-
18	07062-00000	1	Drain Cock 1/8 BSPT	-
19	02720-40204	1	Plug, Socket Head 1/8 BSPT	-
20	07260-22008	1	Hose	-
21	6152-61-6530	1	Tube, Aftercooler Outlet	-
22	6152-61-6720	2	Gasket	-
23	6152-61-6420	1	Tube, Aftercooler Inlet	-
24	6152-61-6630	1	Elbow, Coolant Manifold Inlet	-
25	07000-02021	2	O-ring	-
26	07000-03030	1	O-ring	-
27	19-00036	2	Hose Clamp #36	-
28	12-00805	1	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
29	12-00814	4	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
30	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
31	02720-40204	1	Plug, Socket Head 1/8 BSPT	-

INTAKE AND EXHAUST SYSTEM

**AIR FILTER & MOUNTING L-M6125T-A**

*Canister Type*

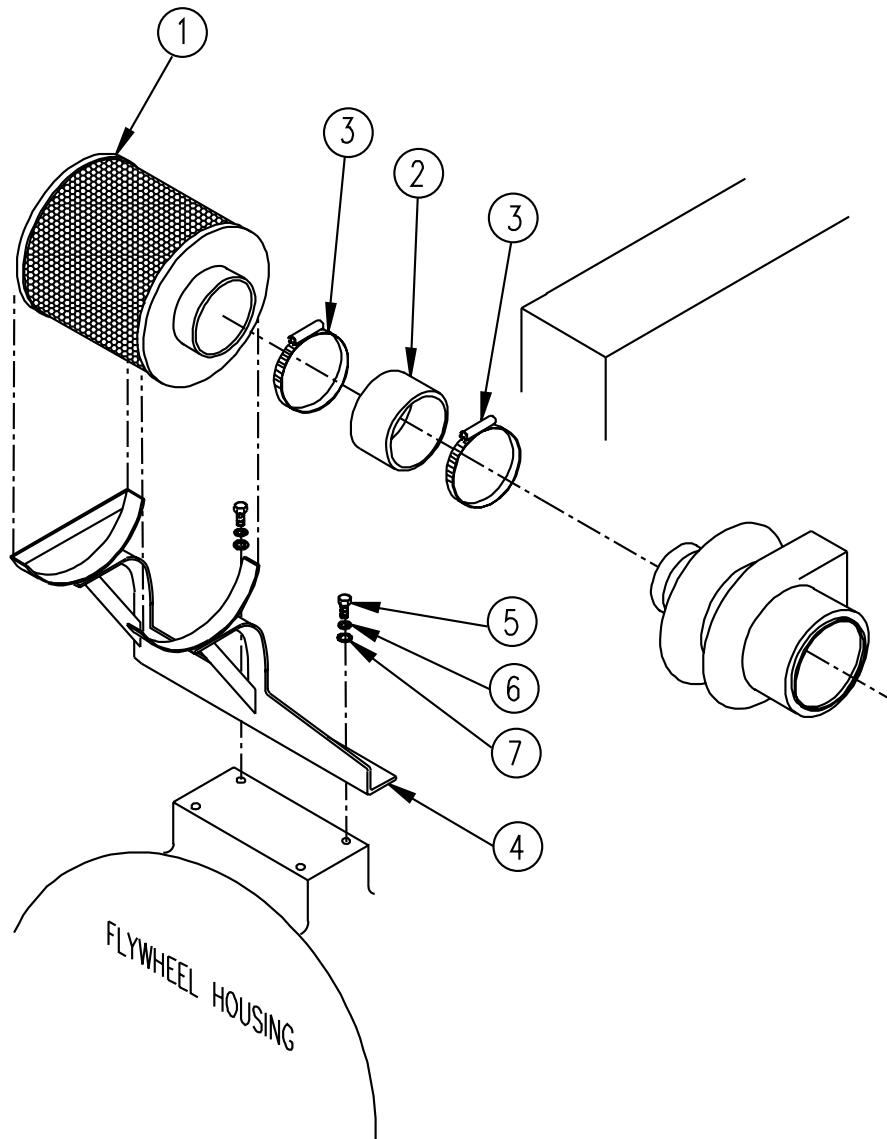


A-7061, A-3394, A-4669/ C-2048

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-24801	1	Air Filter Assembly (includes key #12)	-
2	23-24802	1	Air Filter Mounting Bracket - SAE #2 Flywheel Housing	-
	23-24800	1	Air Filter Mounting Bracket - SAE #1 Flywheel Housing	-
3	18-25701	1	Hump Hose (M6125T-A with S3AW Turbo)	-
	18-24803	1	Hump Hose (L6125A with K36 Turbo)	-
	18-24805	1	Hump Hose (L6125A with 4MFW Turbo)	-
4	19-00200	1	Hose Clamp #200	-
5	19-00052	1	Hose Clamp #52 (M6125T-A with S3AW Turbo)	-
	19-00056	1	Hose Clamp #56 (L6125A with K36 Turbo)	-
	19-00104	1	Hose Clamp #104 (L6125A with 4MFW Turbo)	-
6	19-00072	1	Hose Clamp #72	-
7	18-24801	1	Hose, 3" ID x 3" (L6125A with K36 Turbo)	-
	18-25702	1	Hose, 3" ID x 2-3/4" (M6125T-A with S3AW Turbo)	-
8	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
9	15-00912	2	Lock Washer	-
10	19-00056	2	Hose Clamp #56 (L6125A with K36 Turbo & M6125T-A)	-
11	00-24801	1	Liner Felt	-
12	24-24802	1	Air Filter Element	-

**AIR FILTER & MOUNTING 4MFW TURBO**

L6125

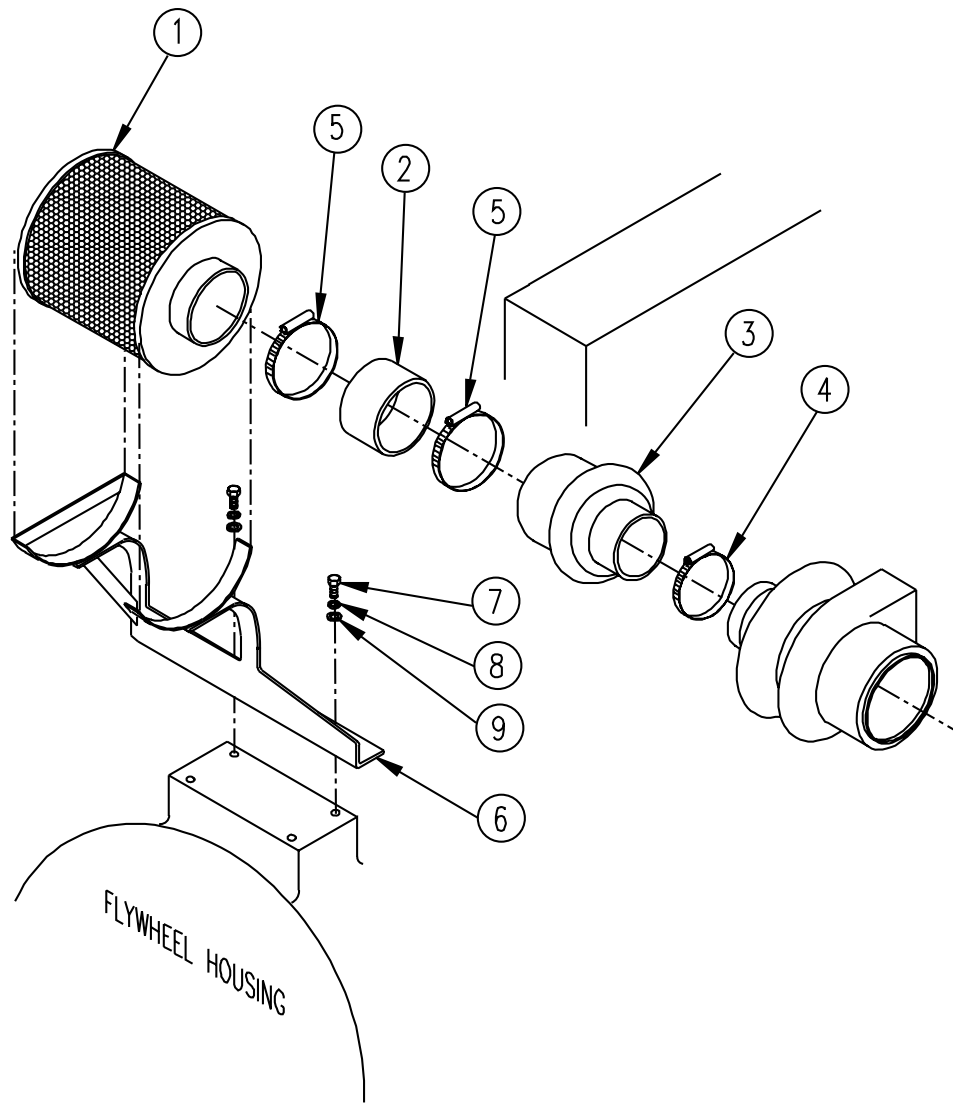


A-7681, A-7682/ C-5148

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-26804	1	Air Filter	-
2	24-25004	1	Connector 6" ID x 3"	-
3	19-00096	2	Hose Clamp #96	-
4	23-24812	1	Bracket, Air Filter Support SAE #2	-
	23-24813	1	Bracket, Air Filter Support SAE #1	-
5	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
6	15-00912	2	Lock Washer M12	-
7	15-00007	2	Flat Washer M12	-

**AIR FILTER & MOUNTING S3AW TURBO**

M6125T-A at 1800 RPM

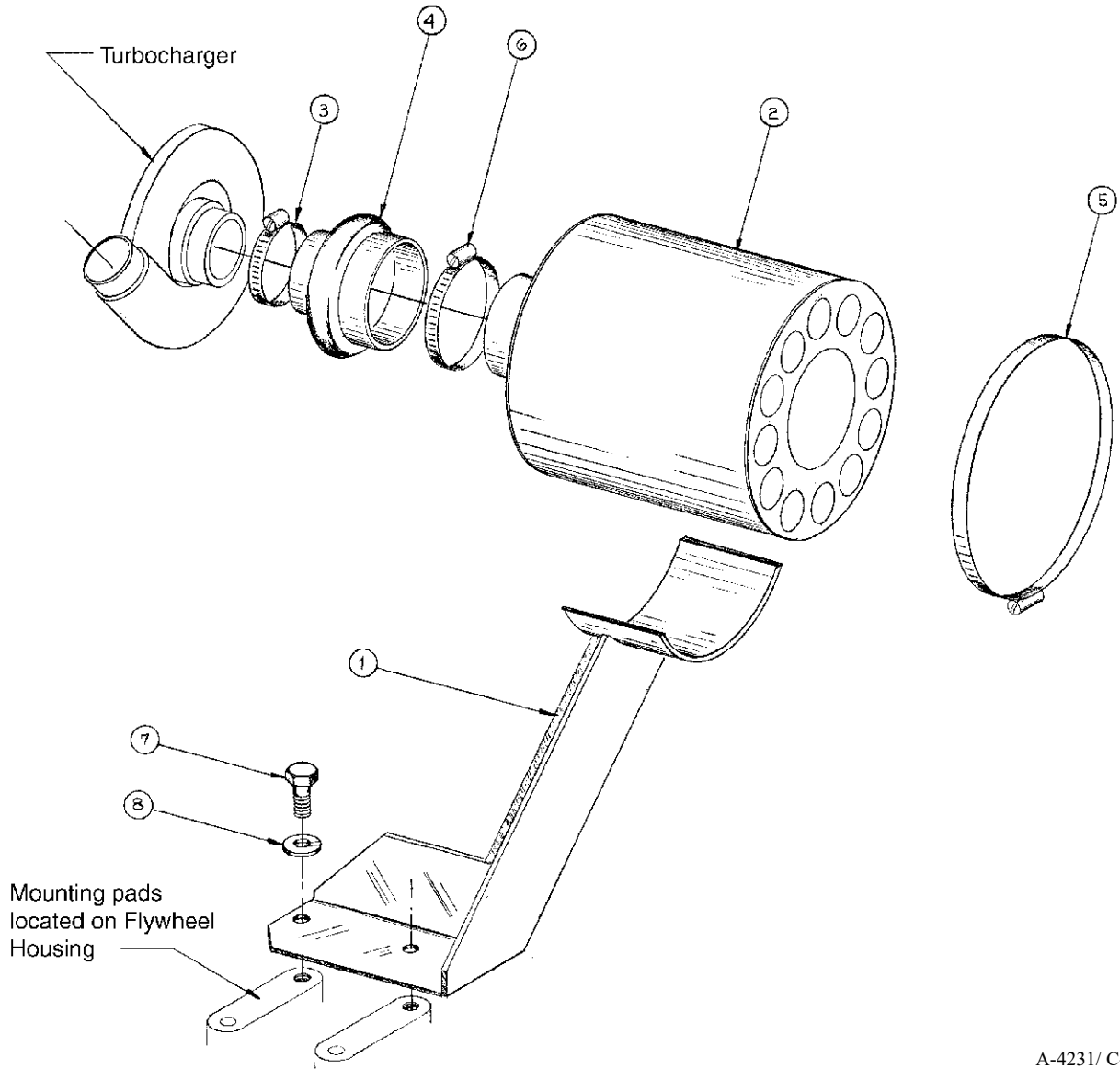


A-7864A/ C-5146

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-25706	1	Air Filter Element	-
2	27-24810	1	Filter Connection Tube	-
3	18-25704	1	Hump Hose	-
4	19-00048	1	Hose Clamp #48	-
5	19-00072	2	Hose Clamp #72	-
6	23-24814	1	Bracket, Air Filter Mounting	-
7	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
8	15-00912	2	Lock Washer M12	-
9	15-00007	2	Flat Washer M12	-

**AIR FILTER & MOUNTING K27 TURBO**

M6125AW, T, & TQ

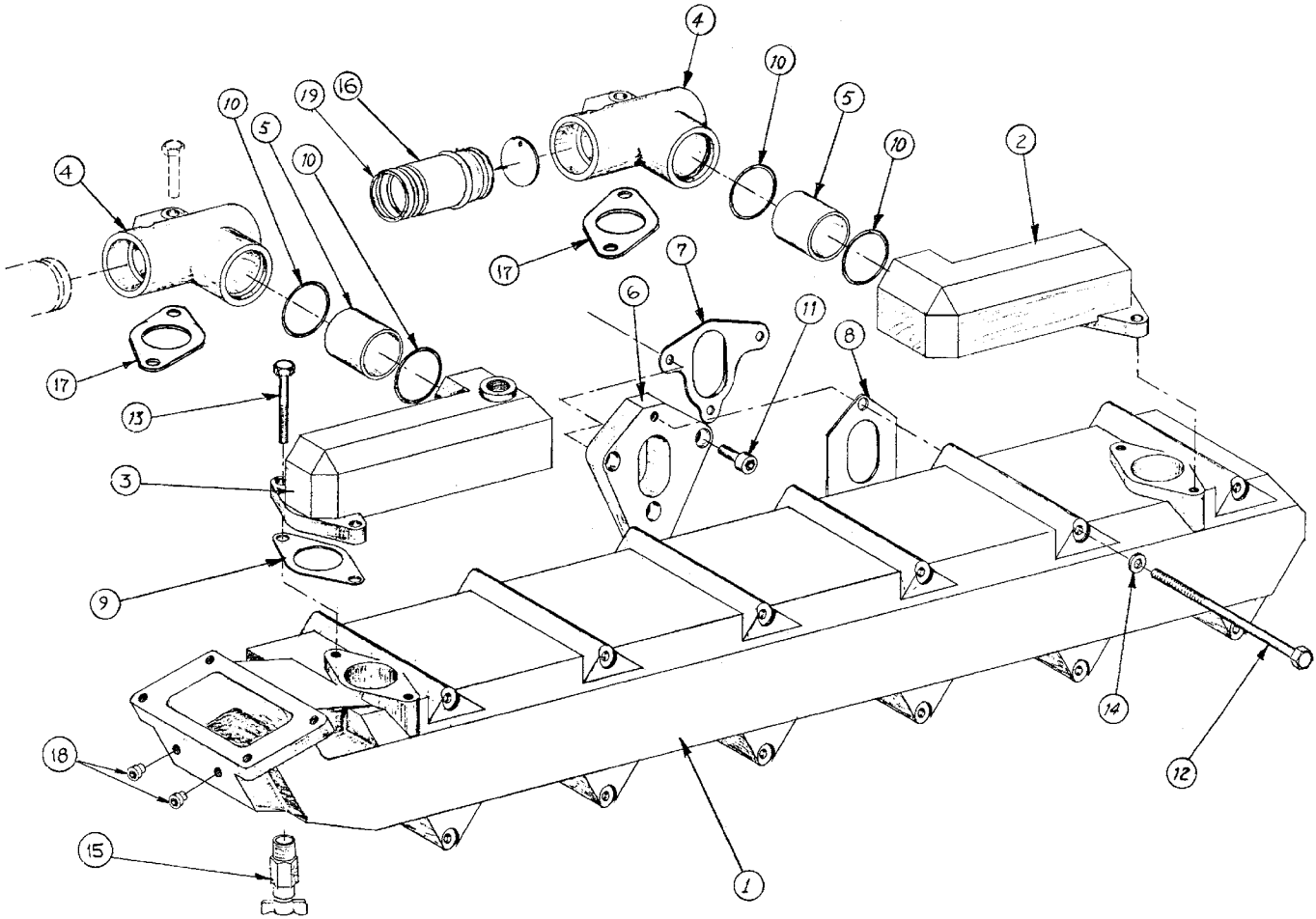


A-4231/ C-2355

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-24810	1	Air Filter Mounting Bracket - SAE #1 Flywheel Housing	-
	23-24806	1	Air Filter Mounting Bracket - SAE #2 Flywheel Housing	-
2	24-21000	1	Air Filter	-
3	19-00044	1	Hose Clamp #44	-
4	18-21027	1	Hump Hose	-
5	19-00128	1	Hose Clamp #128	-
6	19-00072	1	Hose Clamp #72	-
7	12-00831	2	Capscrew, Hex Head M10 x 1.5 x 25 mm (SAE#1 Flywheel Hsg.)	-
	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25 mm (SAE#2 Flywheel Hsg.)	-
8	15-00802	2	Lock Washer (SAE#1 Flywheel Hsg.)	-
	15-00912	2	Lock Washer (SAE#2 Flywheel Hsg.)	-

INTAKE AND EXHAUST SYSTEM

EXHAUST MANIFOLD L-M6125



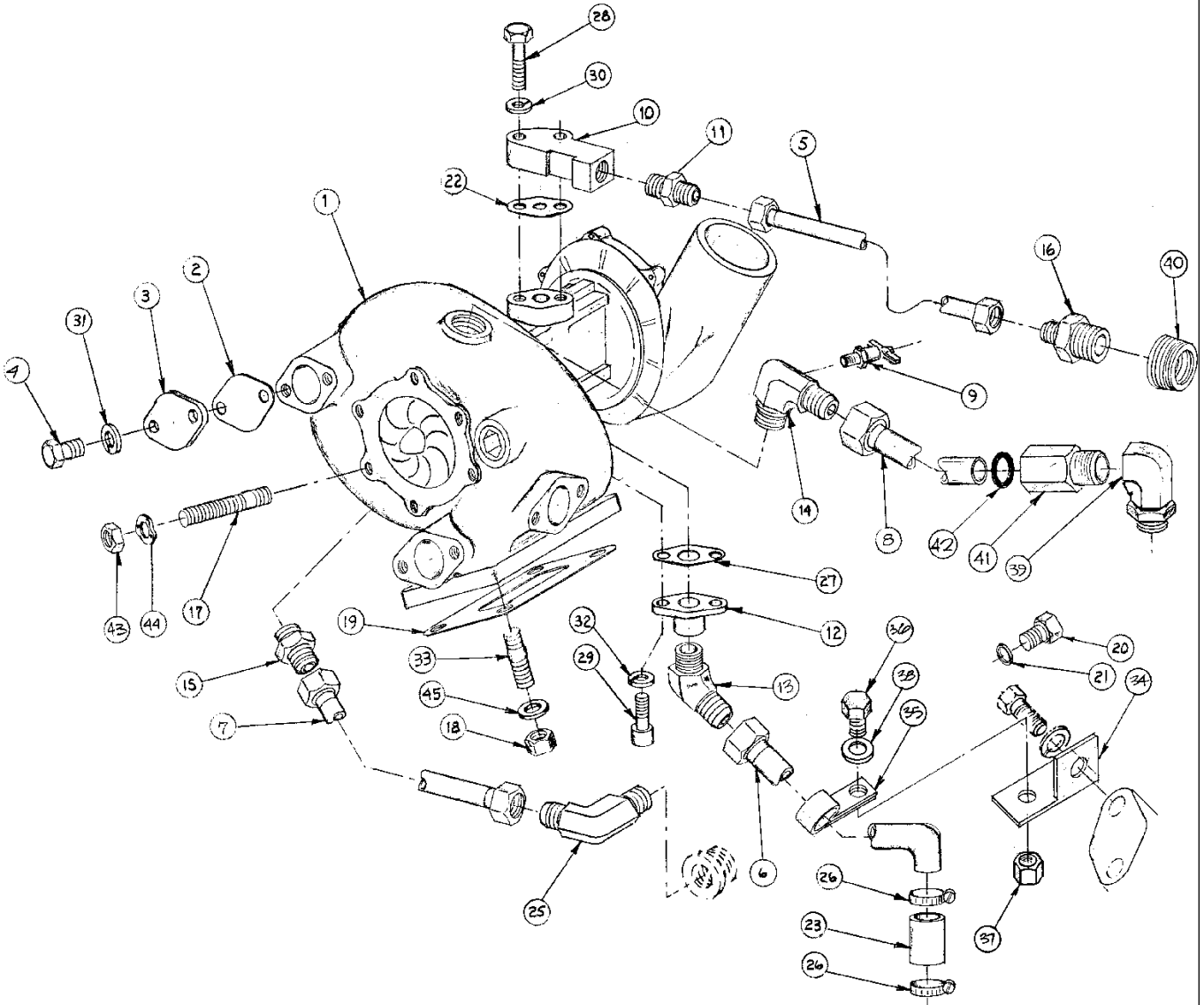
A-2263 / C-1689

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-34800	1	Exhaust Manifold (Tapped Turbo Mtg. holes)	-
	10-34802	1	Exhaust Manifold (Non-threaded Turbo Mtg. holes)	-
2	10-14800	1	Coolant Connector, Front	-
3	10-14801	1	Coolant Connector, Rear	-
4	10-14802	2	Cooling Water Manifold Tee	-
5	27-14800	2	Tube, 2" O.D. x 40 mm	-
6	31-34800	6	Exhaust Port Adapter	-
7	6151-15-5810	6	Exhaust Gasket (formerly #6150-11-5810)	-
8	11-34800	6	Exhaust Gasket	-
9	11-14800	2	Gasket	-
10	16-14804	4	O-ring	-
11	12-34805	18	Capscrew, Socket Head M10 x 1.5 x 25 mm, Stainless Steel	-
12	12-34800	12	Capscrew, Hex Head M10 x 1.5 x 160 mm	-
13	12-00712	4	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
14	15-00805	12	Flat Washer	-
15	21-10002	1	Drain Cock 1/4 NPT	-
16	27-14808	1	Cooling Tube	-
17	6150-11-6311	2	Manifold Tee Gasket (formerly #6150-11-6310)	-
18	21-51900	**	Socket Head Plug 1/8 NPT	-
19	6216-84-9390	10	O-ring (formerly #02893-05043)	-

NOTES

**K36 TURBOCHARGER & MOUNTING**

L6125A to 440 Hp



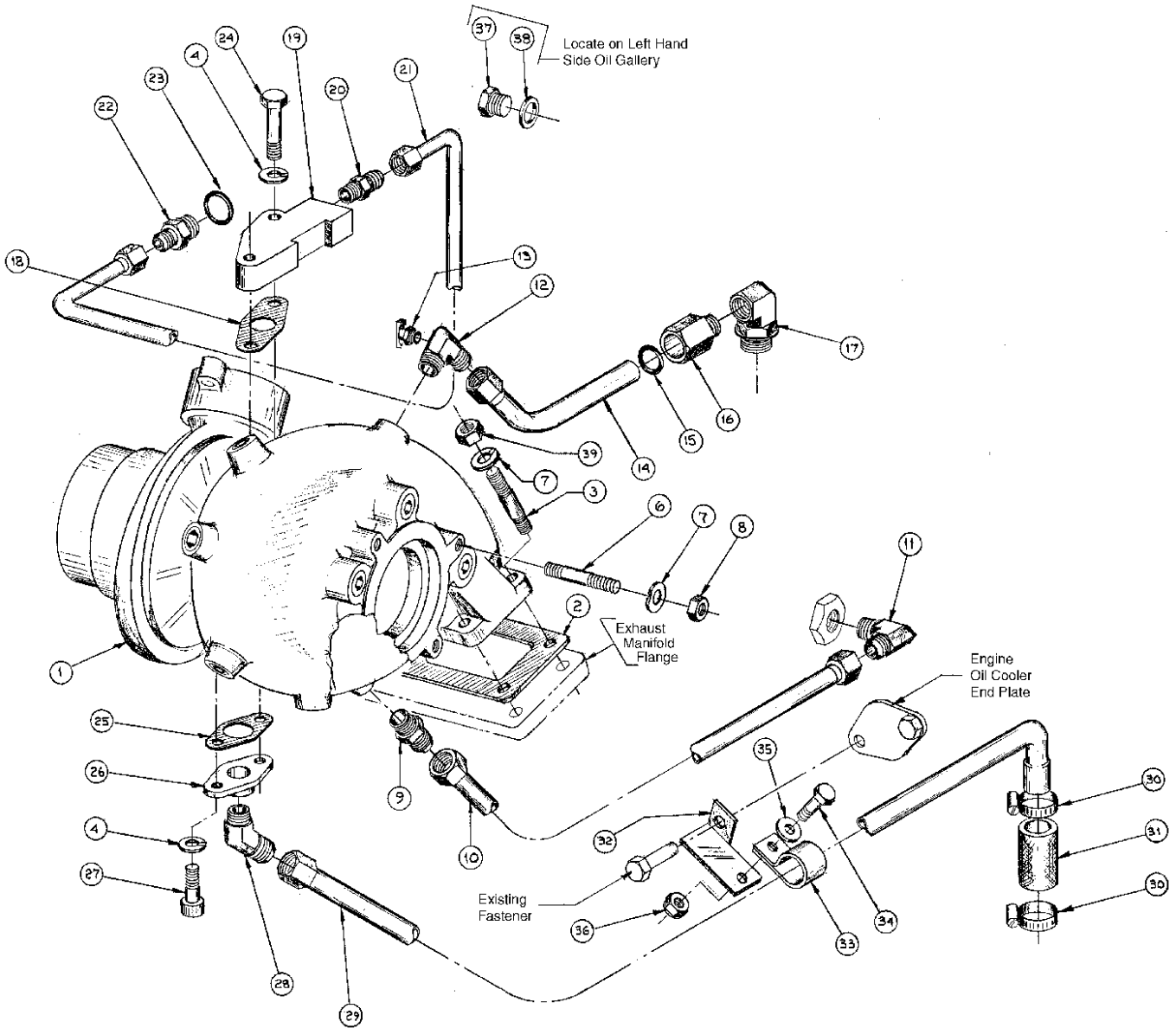
A-2317 / C-1755





4MFW TURBOCHARGER & MOUNTING

L6125A to 490 Hp



A-4114 / D-2029

INTAKE AND EXHAUST SYSTEM

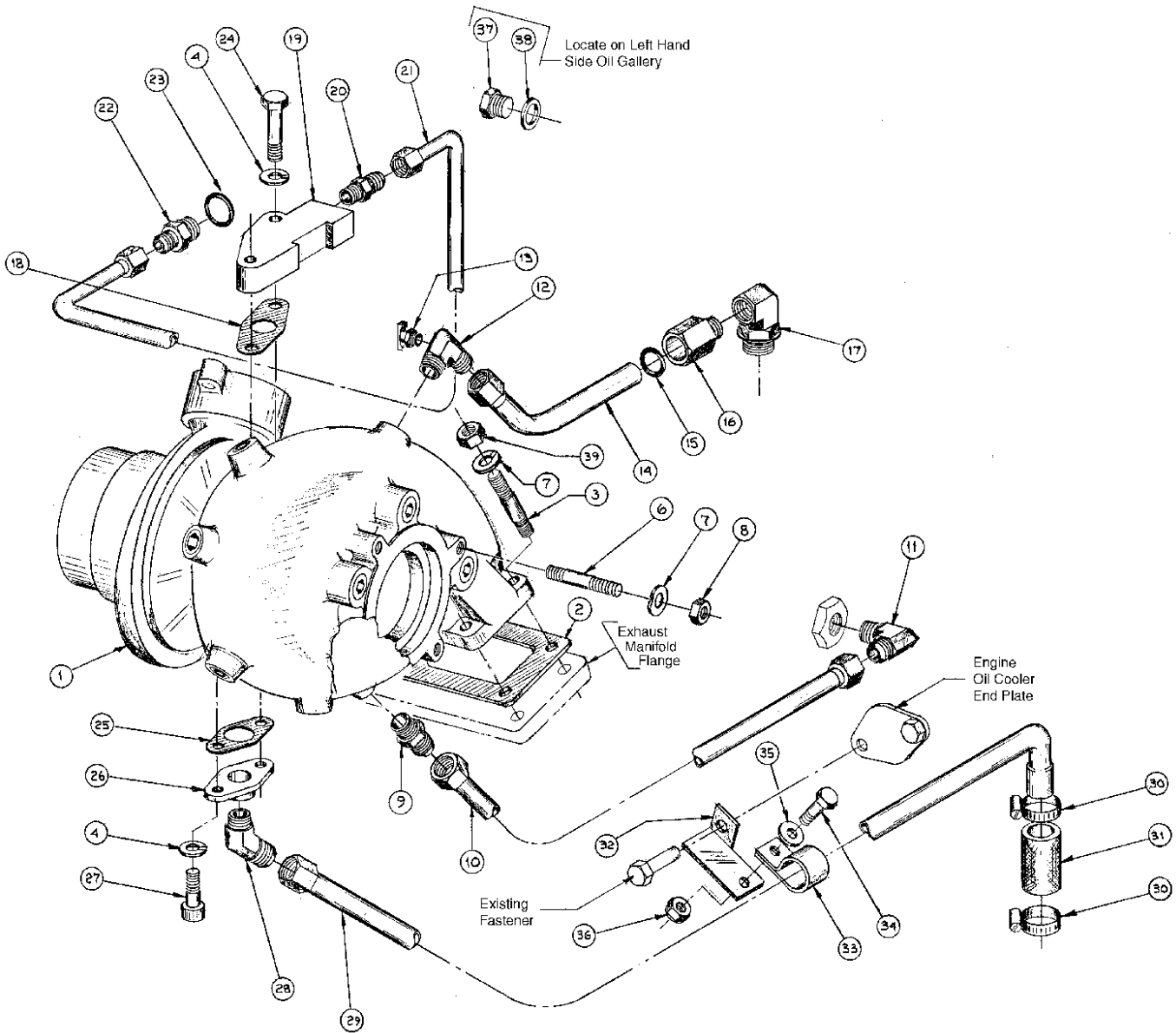
**4MFW TURBOCHARGER & MOUNTING**

*L6125A to 490 Hp*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-34833	1	Turbocharger (formerly 30-34801 - see parts detail) *	from S/N xxxx-0733*
2	11-34804	1	Gasket	
3	13-00814	4	Stud, M10 x 1.5 x 30 mm (42 mm LOA) **	
4	15-00302	8	Helical Lock Washer 3/8	
6	13-00335	4	Stud 3/8-16 x 3/8-24 x 1-1/4" (1 - 3/4" LOA)	
7	15-00804	4	Wave Washer M10	
8	14-05001	4	Hex Nut 3/8-24, Stainless Steel	
9	21-12803	1	Male Connector 3/4 NPT x 3/4-37T	
10	27-14831	1	Turbo Coolant Supply Tube	
11	21-64801	1	Male Elbow, 90° 3/4 NPT x 3/4 - 37T Steel	
12	21-15001	1	Male Elbow, 90° Steel, Tapped for Vent Cock	
13	21-10001	1	Vent Cock 1/8 NPT	
14	27-14829	1	Turbo Coolant Return Tube	
15	16-01000	1	O-ring	
16	R41285	1	Fitting	
17	21-03459	1	Elbow 90°, Steel 5/8 O-ring Port x 1/2 NPT	
18	11-31014	1	Turbo Oil Inlet Gasket	
19	31-31047	1	Turbo Oil Inlet Adapter	
20	21-52800	1	Male Connector 3/8 NPT x 3/8-37T	
21	27-34820	1	Lube Oil Supply Tube Assembly	
22	21-04803	1	Male Connector, Steel 3/8-37T x 3/4 BSPP ***	
23	15-00046	1	Sealing Washer ***	
24	12-00315	2	Capscrew, Hex Head 3/8-16 x 1-3/4"	
25	11-31013	1	Turbo Oil Return Gasket	
26	31-74800	1	Turbo Oil Return Adapter	
27	12-20312	2	Capscrew, Socket Head, 3/8-16 x 1"	
28	21-14807	1	Male Elbow 45° 1/2 NPT x 3/4-37T	
29	27-34834	1	Turbo Oil Return Tube (formerly #27-14832)	
30	19-00012	2	Hose Clamp #12	
31	18-14806	1	Oil Return Hose	
32	23-14810	1	Tube Support Bracket	
33	19-41900	1	Adelle Clamp 3/4" I.D.	
34	12-00751	1	Capscrew, Hex Head M8 x 1.25 x 16 mm	
35	15-00701	1	Flat Washer M8	
36	14-04802	1	Hex Nut, Nylock M8	
37	07040-11409	1	Plug (formerly #17-34801)	
38	07005-01412	1	Sealing Washer (formerly #17-34802)	
39	14-00817	4	Hex Nut M10 S/S	
<p>* Note: 4MFW equipped units include the following pre-production engines: S/N xxx-0550, 0551, 0632, 0633, 0713, &amp; 0714</p> <p>** Note: Fasteners for turbocharger mounting as shown for use on exhaust manifold with threaded flange holes. Previous applications with non-threaded flange holes use the following: 12-00316 Capscrew, Hex Head 3/8 -16 x 2" (Qty. as required) 14-00311 Hex Nut 3/8 -16 (Qty. 4 each) 13-00339 Stud 3/8 -16 x 3/8 -24 x 1 -3/4 (Qty. as required) 14-00501 Hex Nut 3/8 -24 (Qty. as required)</p> <p>*** Items shown replace Connector 21-51001 and Bushing 21-74803</p>				

S4DWL TURBOCHARGER & MOUNTING

L6125A from 500 Hp



INTAKE AND EXHAUST SYSTEM

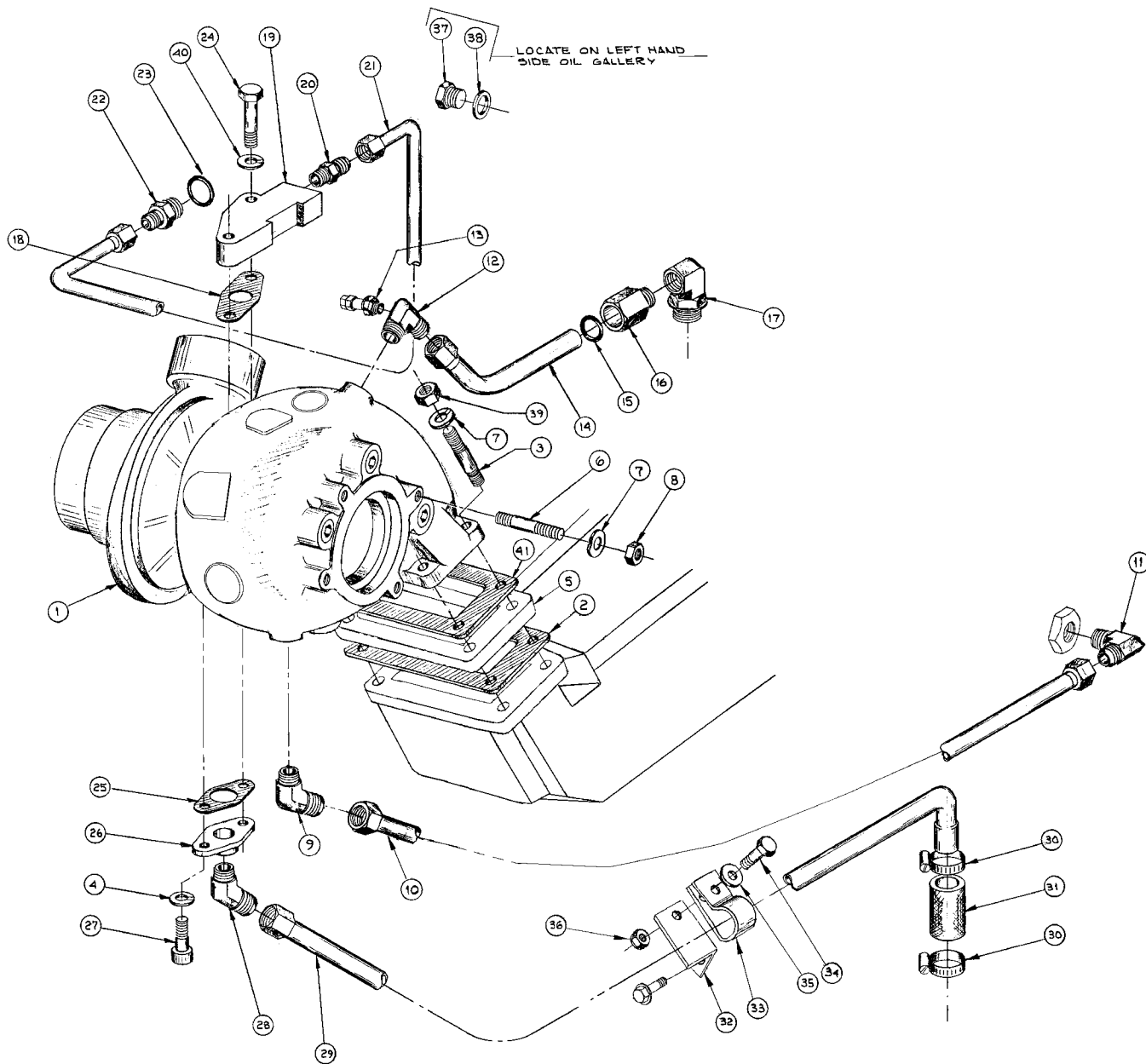
**S4DWL TURBOCHARGER & MOUNTING**

*L6125A from 500 Hp*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-34834	1	Turbocharger (see parts detail)	-
2	11-34804	1	Gasket	-
3	13-00814	4	Stud, M10 x 1.5 x 30 mm (42 mm LOA)	-
4	15-00302	8	Helical Lock Washer 3/8	-
6	13-00335	4	Stud 3/8-16 x 3/8-24 x 1-1/4" (1 - 3/4" LOA)	-
7	15-00804	4	Wave Washer M10	-
8	14-05001	4	Hex Nut 3/8-24, Stainless Steel	-
9	21-12803	1	Male Connector 3/4 NPT x 3/4-37T	-
10	27-14831	1	Turbo Coolant Supply Tube	-
11	21-64801	1	Male Elbow, 90° 3/4 NPT x 3/4 - 37T Steel	-
12	21-15001	1	Male Elbow, 90° Steel, Tapped for Vent Cock	-
13	21-10001	1	Vent Cock 1/8 NPT	-
14	27-14829	1	Turbo Coolant Return Tube	-
15	16-01000	1	O-ring	-
16	R41285	1	Fitting	-
17	21-03459	1	Elbow 90°, Steel 5/8 O-ring Port x 1/2 NPT	-
18	11-31014	1	Turbo Oil Inlet Gasket	-
19	31-31047	1	Turbo Oil Inlet Adapter	-
20	21-52800	1	Male Connector 3/8 NPT x 3/8-37T	-
21	27-34820	1	Lube Oil Supply Tube Assembly	-
22	21-04803	1	Male Connector, Steel 3/8-37T x 3/4 BSPP	-
23	15-00046	1	Sealing Washer	-
24	12-00315	2	Capscrew, Hex Head 3/8-16 x 1-3/4"	-
25	11-31013	1	Turbo Oil Return Gasket	-
26	31-74800	1	Turbo Oil Return Adapter	-
27	12-20312	2	Capscrew, Socket Head, 3/8-16 x 1"	-
28	21-14807	1	Male Elbow, 45° 1/2 NPT x 3/4-37T	-
29	27-34834	1	Turbo Oil Return Tube	-
30	19-00012	2	Hose Clamp #12	-
31	18-14806	1	Oil Return Hose	-
32	23-14810	1	Tube Support Bracket	-
33	19-41900	1	Adelle Clamp 3/4" I.D.	-
34	12-00751	1	Capscrew, Hex Head M8 x 1.25 x 16 mm	-
35	15-00701	1	Flat Washer M8	-
36	14-04802	1	Hex Nut, Nylock M8	-
37	07040-11409	1	Plug	-
38	07005-01412	1	Sealing Washer	-
39	14-00817	4	Hex Nut M10 S/S	-

S3AW TURBOCHARGER & MOUNTING

M6125T-A @ 1800 RPM



A-7059 / D-3505

INTAKE AND EXHAUST SYSTEM

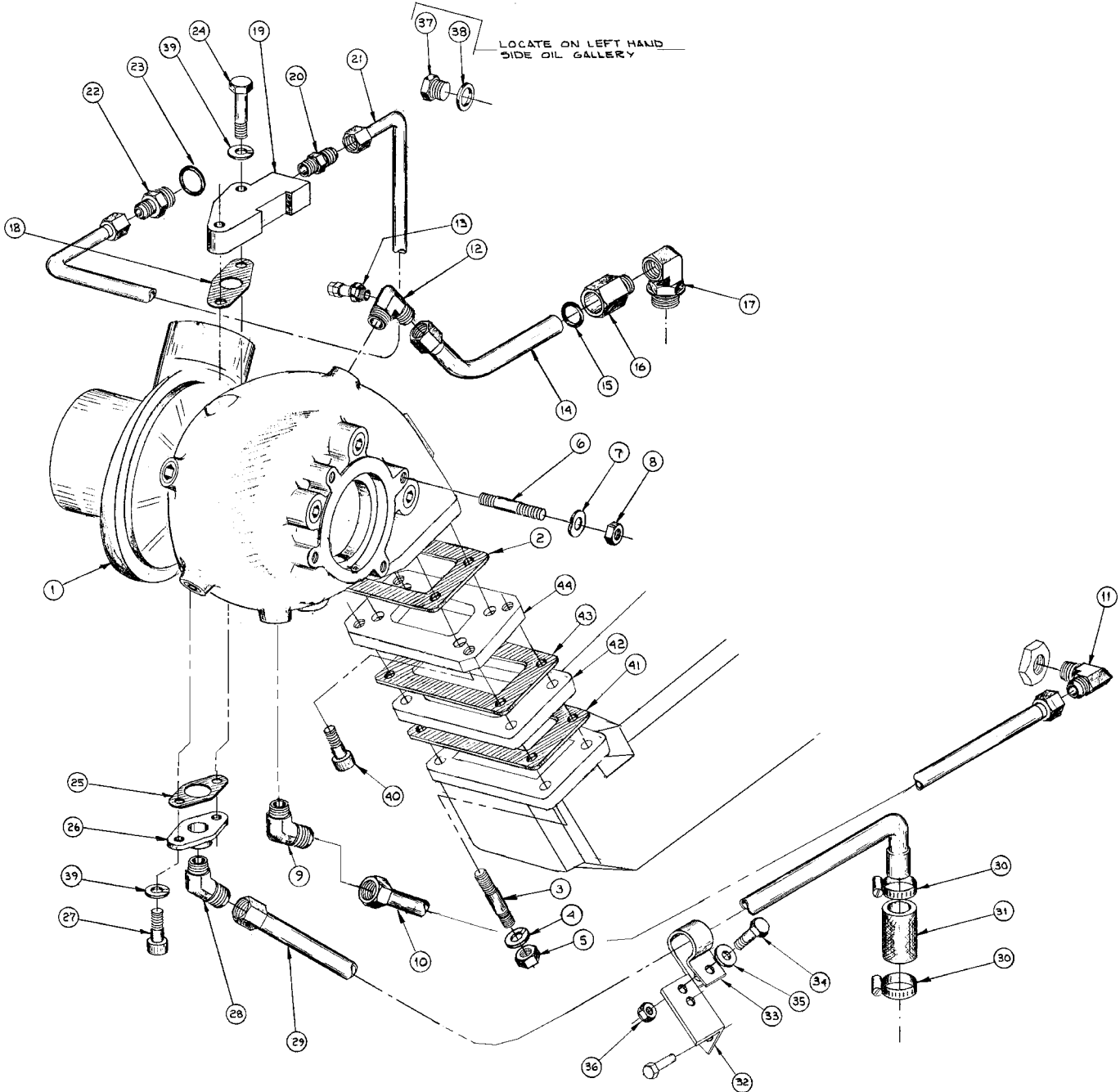
**S3AW TURBOCHARGER & MOUNTING**

M6125T-A @ 1800 RPM

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-35701	1	Turbocharger S3AW (see parts detail)	-
2	11-34804	1	Gasket	-
3	13-85001	4	Stud M10	-
4	15-00322	2	Lock Washer	-
5	31-34805	1	Adapter, Transition Plate	-
6	13-00814	4	Stud M10	-
7	15-00804	8	Wave Washer	-
8	14-00817	4	Hex Nut M10	-
9	21-62600	1	Male Elbow 90° Steel, 5/8 O-R Port x 3/4-37T	-
10	27-14847	1	Tube Assembly, Turbo Coolant Supply	-
11	21-64801	1	Male Elbow 90° Steel, 3/4 NPT x 3/4-37T	-
12	21-35003	1	Male Elbow 90° Steel, 5/8 O-R Port x 3/4-37T	-
13	21-10001	1	Drain Cock, Brass	-
14	27-14848	1	Tube Assembly, Turbo Coolant Return	-
15	16-01000	1	O-ring	-
16	R41285	1	Adapter, O-ring Seal	-
17	21-03459	1	Female Elbow 90°, Steel	-
18	11-31014	1	Gasket	-
19	R43928	1	Adapter, Turbo Oil Supply	-
20	21-52800	1	Male Connector 90° Steel, 3/8 NPT x 3/8-37T	-
21	27-34838	1	Tube Assembly, Turbo Oil Supply	-
22	21-04803	1	Male Connector, Steel 3/8-37Tx 3/4 BSPP	-
23	15-00046	1	Sealing Washer	-
24	12-00215	2	Capscrew, Hex Head 5/16 -18 x 1-3/4"	-
25	11-31013	1	Gasket	-
26	31-74800	1	Adapter, Turbo Oil Return	-
27	12-20312	2	Capscrew, Socket Head, 3/8-16 x 1"	-
28	21-14807	1	Male Elbow 45° Steel, 1/2 NPT x 3/4-37T	-
29	27-34839	1	Tube Assembly, Turbo Oil Return	-
30	19-00012	2	Hose Clamp #12	-
31	18-14806	1	Hose, 7/8" I.D. x 4-1/2"	-
32	23-14810	1	Bracket, Tube Support	-
33	19-41900	1	Adelle Clamp 3/4" I.D.	-
34	12-00751	1	Capscrew, Hex Head M8 x 1.25 x 16 mm	-
35	15-00701	1	Flat Washer M8	-
36	14-04802	1	Hex Nut, Nylock	-
37	07040-11409	1	Plug	-
38	07005-01412	1	Sealing Washer M14	-
39	14-00817	4	Hex Nut, M10 x 1.5 S/S	-
40	15-00202	2	Lock Washer	-
41	11-35702	1	Gasket	-

**K27 TURBOCHARGER & MOUNTING**

**M6125T - TQ - A -AQ @1200/1500 RPM**



A-4230A / D-3504



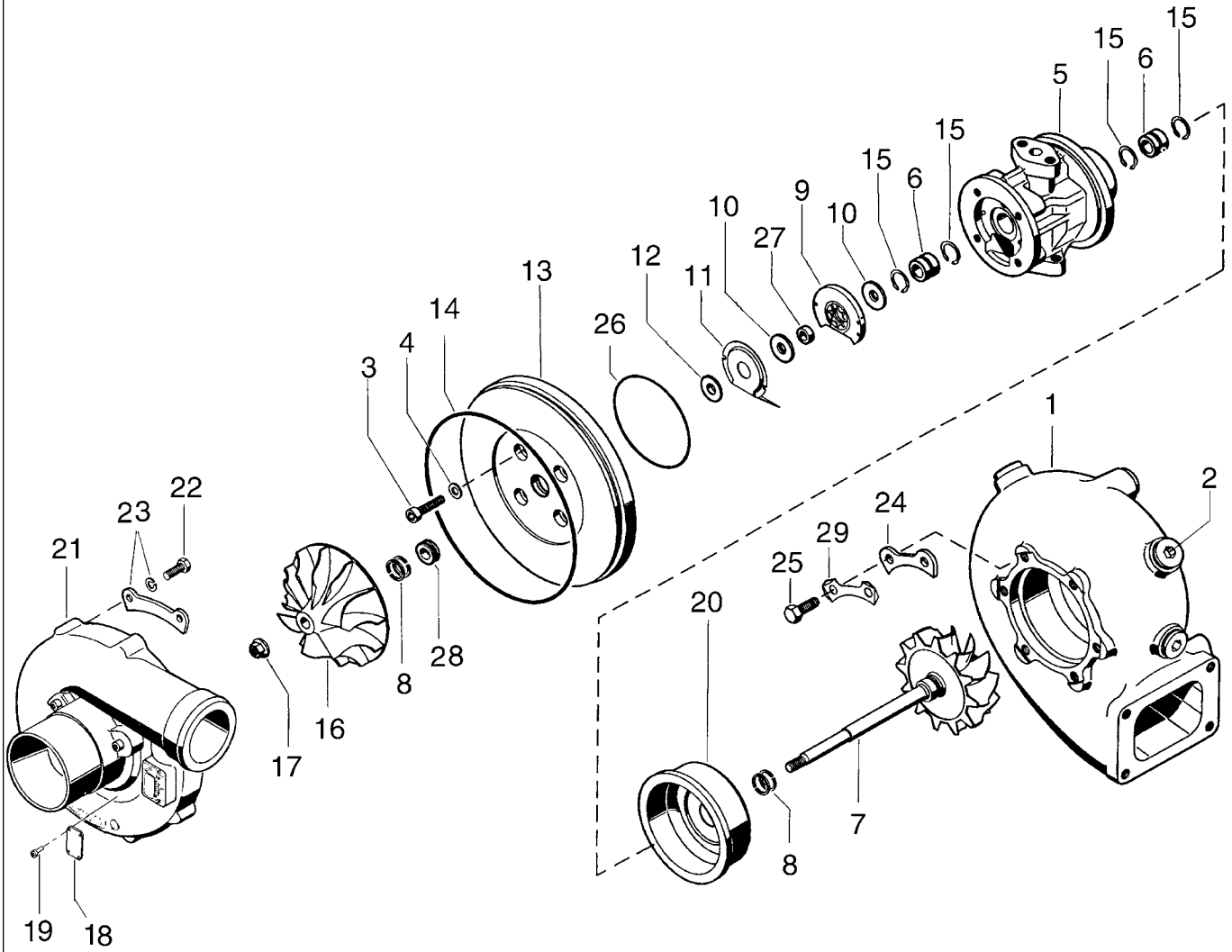
INTAKE AND EXHAUST SYSTEM

**K27 TURBOCHARGER & MOUNTING**

*M6125T - TQ - A -AQ @1200/1500 RPM*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-31627-1	1	Turbocharger K27 (See parts detail)	-
2	11-31615	1	Gasket	-
3	13-00330	4	Stud 3/8 -16 x 3/8 -24 x 2 -3/8" (3" LOA)	-
4	15-00302	4	Lock Washer 3/8	-
5	14-00321	4	Hex Nut 3/8 -24	-
6	13-00814	4	Stud M10 x 1.5 x 30 mm (42 mm LOA)	-
7	15-00804	4	Wave Washer M10	-
8	14-00817	4	Hex Nut M10 x 1.5 S/S	-
9	21-14801	1	Male Elbow 90° Steel, M22 x 1.5 x 3/4-37T	-
10	27-14844	1	Tube Assembly, Turbo Coolant Supply	-
11	21-64801	1	Male Elbow 90° Steel 3/4 NPT x 3/4-37T	-
12	21-14817	1	Male Elbow 90° Steel M22 x 1.5 x 3/4-37T	-
13	21-10001	1	Drain Cock, Brass	-
14	27-14846	1	Tube Assembly, Turbo Coolant Return	-
15	16-01000	1	O-ring	-
16	R41285	1	Adapter, O-ring Seal	-
17	21-03459	1	Female Elbow 90°, Steel 5/8 O-ring x 1/2 NPT	-
18	11-31012	1	Gasket	-
19	R43928	1	Adapter, Turbo Oil Supply	-
20	21-52800	1	Male Connector, Steel 3/8 NPT x 3/8 -37T	-
21	27-34836	1	Tube Assembly, Turbo Oil Supply	-
22	21-04803	1	Male Connector, Steel 3/8-37Tx 3/4 BSPP	-
23	15-00046	1	Sealing Washer	-
24	12-00714	2	Capscrew, Hex Head M8 x 1.25 x 40 mm	-
25	11-31031	1	Gasket	-
26	31-74800	1	Adapter, Turbo Oil Return	-
27	12-00753	2	Capscrew, Hex Head, M8 x 1.25 x 30 mm	-
28	21-14807	1	Male Elbow 45° Steel 1/2 NPT x 3/4-37T	-
29	27-34837	1	Tube Assembly, Turbo Oil Return	-
30	19-00012	2	Hose Clamp #12	-
31	18-05000	1	Hose, 7/8" I.D. x 2 -3/4"	-
32	23-14810	1	Bracket, Tube Support	-
33	19-41900	1	Adelle Clamp 3/4"	-
34	12-00751	1	Capscrew, Hex Head M8 x 1.25 x 16 mm	-
35	15-00701	1	Flat Washer M8	-
36	14-04802	1	Hex Nut, Nylock M8 x 1.25	-
37	07040-11409	1	Plug	-
38	07005-01412	1	Sealing Washer M14	-
39	15-00702	4	Lock Washer M8	-
40	12-10811	4	Capscrew, Socket Head M10 x 1.5 x 20 mm	-
41	11-34804	1	Gasket	-
42	31-34805	1	Adapter, Transition Plate	-
43	11-34806	1	Gasket	-
44	31-34806	1	Adapter, Turbo Mtg.	-

K36 TURBOCHARGER ASSEMBLY L6125



6125turboK36

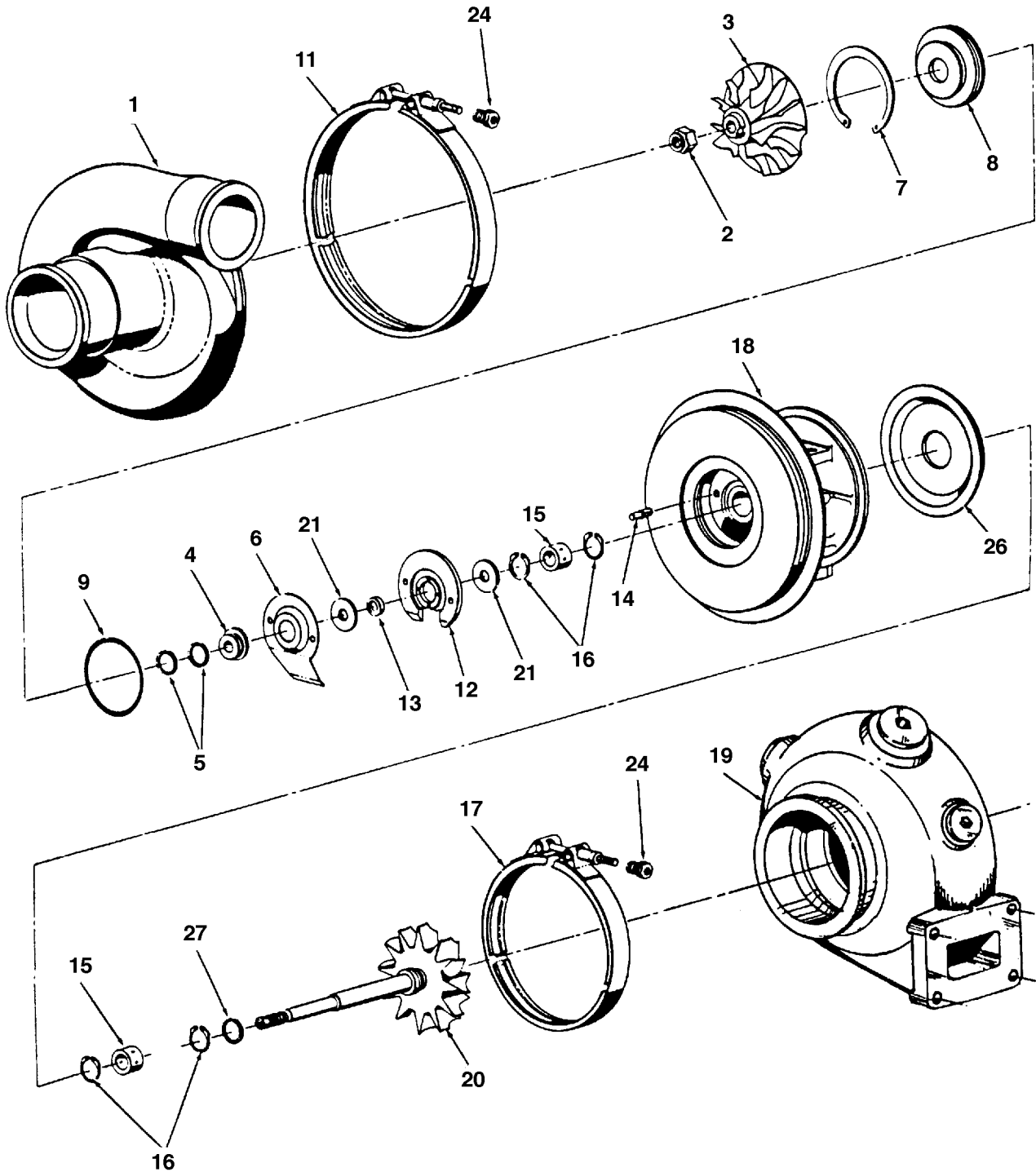
INTAKE AND EXHAUST SYSTEM

**K36 TURBOCHARGER ASSEMBLY L6125**

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	30-34800	1	Turbocharger (includes all keys)	-
•	30-34802	1	Repair Kit (not shown, includes keys 3,4,6,8,9, 11-12, 14-15, 17, 22-27)	-
1	30-34803	1	Turbine Housing	-
2	30-31631	4	Plug, Socket Head, Steel M22 x 1.5 (formerly #30-34804)	-
3	30-34805	4	Capscrew, Socket Head M8 x 1.25 x 25 mm Grade 10.9	-
4	30-34806	4	Flat Washer M8	-
5	30-34807	1	Bearing Housing	-
6	30-34808	2	Bushing	-
7	30-34809	1	Shaft & Turbine Wheel Assembly	-
8	30-34810	4	Piston Ring	-
9	30-34811	1	Thrust Bearing	-
10	30-34812	2	Thrust Ring	-
11	30-34813	1	Oil Deflector	-
12	30-34814	1	Deflector Ring	-
13	30-34816	1	Compressor Housing Backplate	-
14	30-34817	1	O-ring	-
15	30-34818	4	Snap Ring	-
16	30-34819	1	Compressor Wheel	-
17	30-34820	1	Lock Nut M10 x 1.0	-
18	30-31454	1	Name Plate	-
19	30-34822	2	Rivet	-
20	30-34823	1	Heat Shield	-
21	30-34824	1	Compressor Housing	-
22	30-34825	8	Capscrew, Hex Head M8 x 1.25 x 20 mm	-
23	30-34826	4	Clamp Plate	-
24	30-34827	3	Clamp Plate	-
25	30-34828	6	Capscrew, Hex Head M10 x 1.5 x 20 mm Grade 10.9	-
26	30-34829	1	O-ring	-
27	30-34830	1	Spacer Sleeve	-
28	30-34815	1	Flinger Sleeve	-
29	30-34831	3	Tab Washer	-

**SCHWITZER TURBOCHARGER ASSEMBLY 4MFW**

L6125A to 490 Hp



INTAKE AND EXHAUST SYSTEM

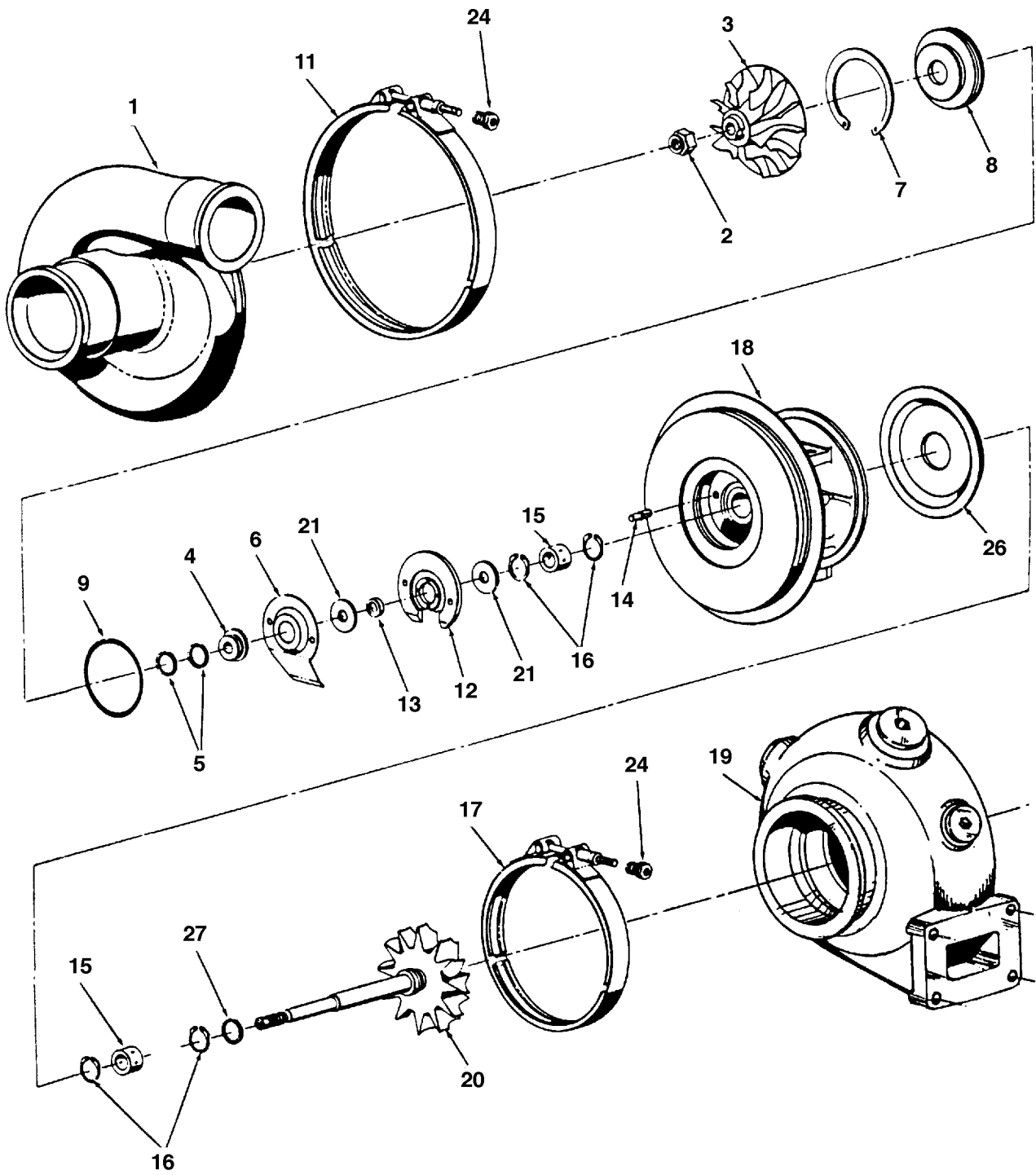
**SCHWITZER TURBOCHARGER ASSEMBLY 4MFW**

*L6125A to 490 Hp*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	30-34833	1	Turbocharger (ID tag# 199383, formerly #30-34801)	-
••	30-34801	1	Turbocharger (ID tag# X-198075, replaced by #30-34833)	-
•	30-00025	1	Repair Kit (for #30-34801 & 30-34833)	-
•	30-04809	1	Cartridge Assembly for 30-34801 & 30-34833 (includes keys 2-9, 12-16, 18, 20, 21, 26-27)	-
1	30-04802	1	Compressor Cover	-
2	30-05002	1	Lock Nut (formerly #30-04803)	-
3	30-04804	1	Compressor Wheel	-
4	30-00001	1	Flinger Sleeve	-
5	30-00002	1	Piston Ring	-
6	30-00003	1	Oil Deflector	-
7	30-00004	1	Snap Ring	-
8	30-00005	1	Compressor Insert	-
9	30-00006	1	O-ring	-
11	30-00007	1	V-Clamp	-
12	30-04805	1	Thrust Bearing Assembly	-
13	30-00008	1	Spacer Sleeve	-
14	30-00009	1	Pin	-
15	30-00010	2	Bearing	-
16	30-00011	4	Snap Ring	-
17	30-00012	1	V-Clamp	-
18	30-00013	1	Bearing Housing Assembly	-
19	30-04810	1	Turbine Housing Assembly (replaces #30-04806, includes keys 28 & 29)	-
20	30-04807	1	Shaft and Turbine Wheel Assembly	-
21	30-00014	2	Thrust Ring	-
22	30-00020	1	Rivet (not shown)	-
23	30-00015	1	Name Plate (not shown)	-
24	30-00016	2	Clamp Nut	-
26	30-00017	1	Turbine Backplate	-
27	30-00018	1	Piston Ring	-
28	30-04808	7	Plug	-
29	30-00019	5	Plug	-

SCHWITZER TURBOCHARGER ASSEMBLY S4DWL

L6125A @ 500 Hp



INTAKE AND EXHAUST SYSTEM

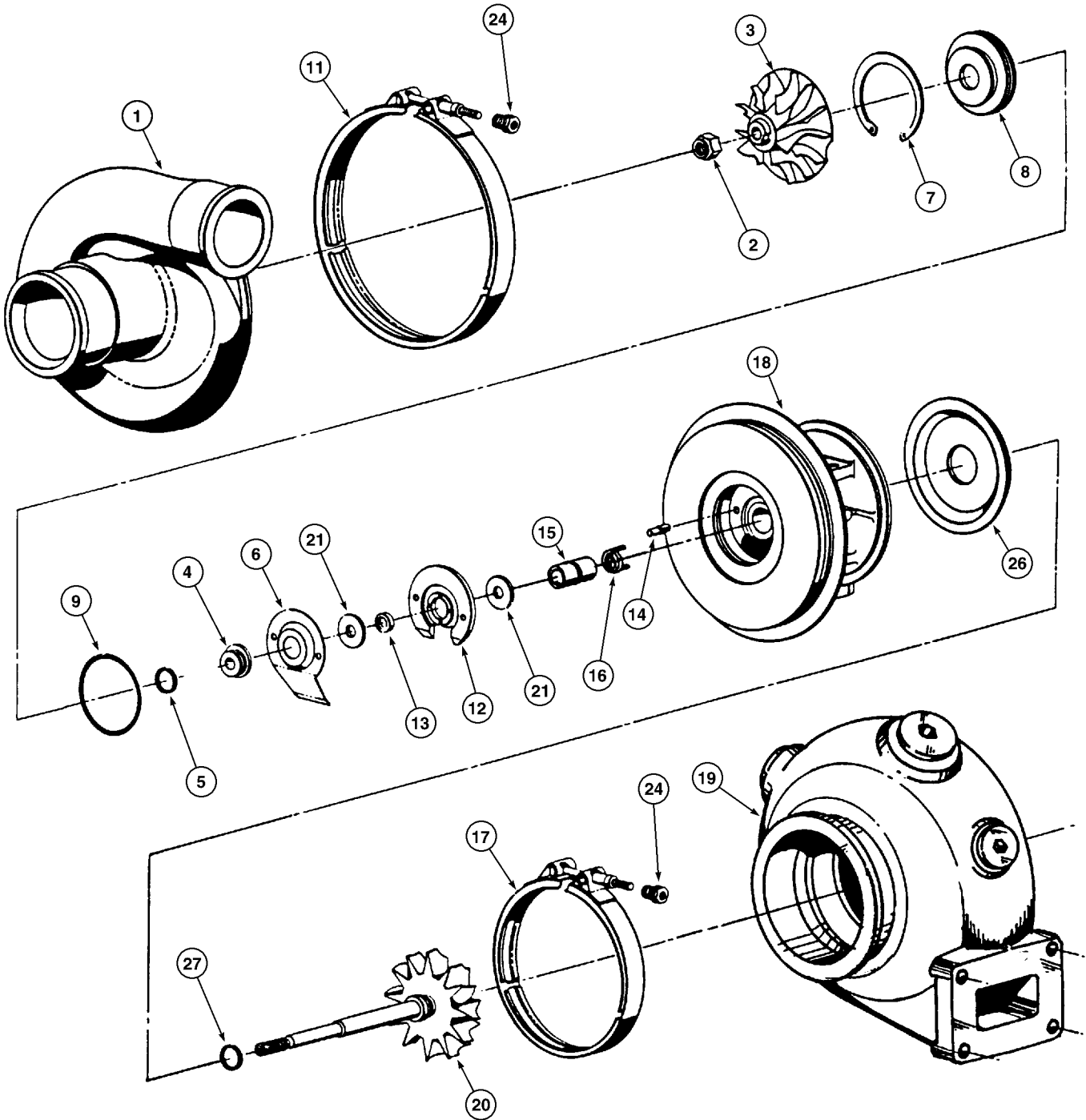
**SCHWITZER TURBOCHARGER ASSEMBLY S4DWL**

*L6125A @ 500 Hp*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	30-34834	1	Turbocharger (ID tag# 167361)	-
•	30-04812	1	Cartridge Assembly (includes keys #2-9, 12-16, 18,20,21, 26-27)	-
1	30-04813	1	Compressor Cover	-
2	30-04814	1	Nut	-
3	30-04816	1	Compressor Wheel	-
4	30-04817	1	Flinger Sleeve	-
5	30-00002	1	Piston Ring	-
6	30-00003	1	Oil Deflector	-
7	30-00004	1	Snap Ring	-
8	30-00022	1	Compressor Insert	-
9	30-00006	1	O-ring	-
10	30-04818	2	Speed Control Washer (not shown)	-
11	30-04819	1	V-Clamp (includes key 24)	-
12	30-04821	1	Thrust Bearing	-
13	30-04822	1	Spacer Sleeve	-
14	30-00009	1	Groove Pin	-
15	30-04823	2	Bearing	-
16	30-04824	4	Snap Ring	-
17	30-00012	1	V-Clamp (includes key 24)	-
18	30-04826	1	Bearing Housing (includes key 25)	-
19	30-04827	1	Turbine Housing Assembly (includes keys 28-29)	-
20	30-04828	1	Shaft and Turbine Wheel Assembly	-
21	30-04829	2	Thrust Ring	-
22	30-00020	1	Pop Rivet (not shown)	-
23	30-04831	1	Name Plate (not shown)	-
24	30-00016	2	Lock Nut, V-Clamp	-
25	30-05720	1	Filter Cup (not shown)	-
26	30-04832	1	Turbine Backplate	-
27	30-05014	1	Piston Ring	-
28	30-04833	6	Expansion Plug (not shown)	-
29	30-00019	5	Pipe Plug (not shown)	-

**TURBOCHARGER ASSEMBLY S3AW**

M6125T-A @ 1800 RPM



S3AWturbo



INTAKE AND EXHAUST SYSTEM

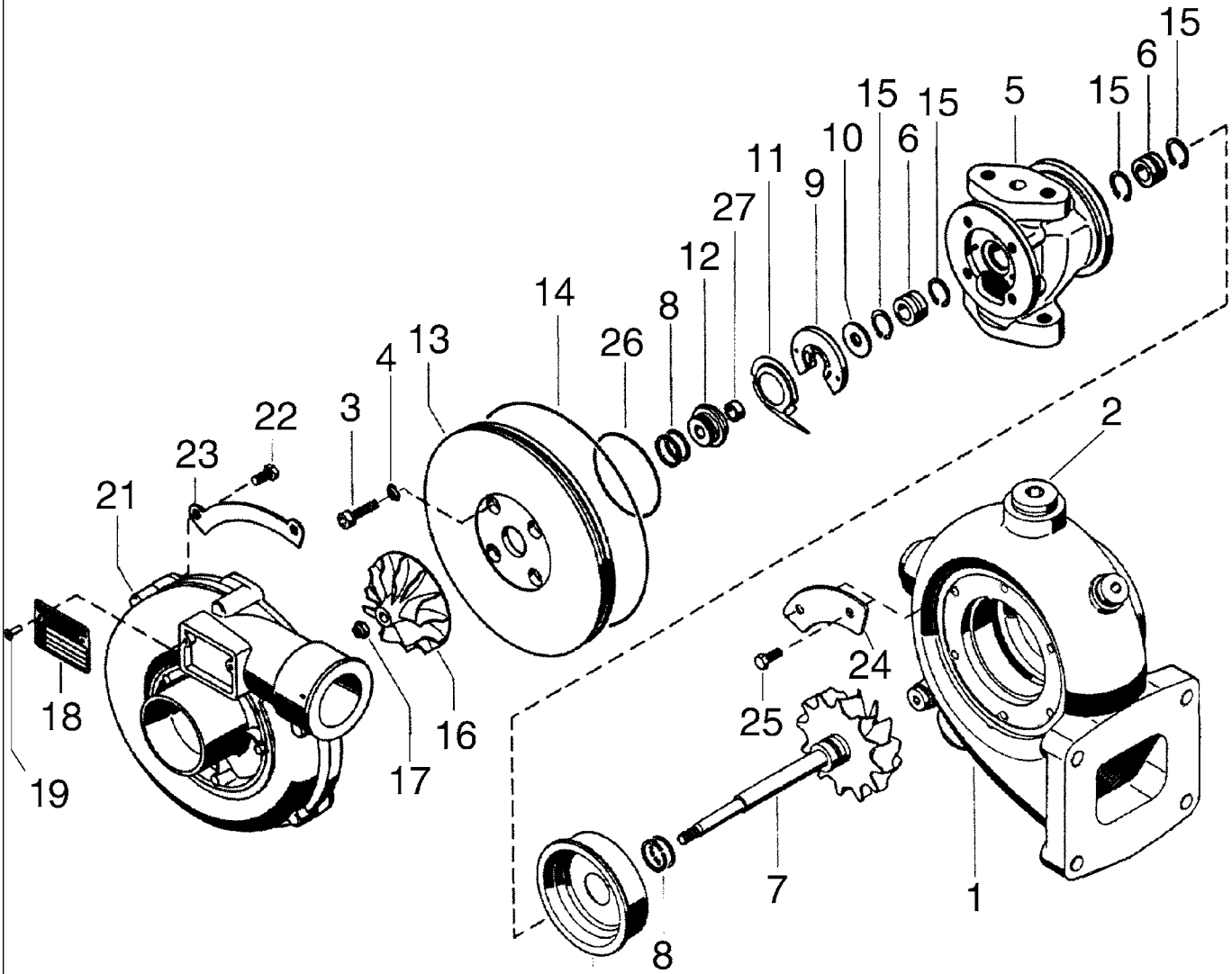
**TURBOCHARGER ASSEMBLY S3AW**

M6125T-A @ 1800 RPM

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	30-35701	1	Turbocharger (includes all keys)	-
•	30-05725	1	Repair Kit	-
•	30-05721	1	Cartridge Assembly (includes keys 2-9, 12-16, 18, 20, & 26-27)	-
1	30-05701	1	Compressor Cover	-
2	30-05702	1	Lock Nut	-
3	30-05703	1	Compressor Wheel	-
4	30-05704	1	Flinger Sleeve	-
5	30-05705	1	Piston Ring	-
6	30-05706	1	Oil Deflector	-
7	30-00004	1	Snap Ring	-
8	30-05707	1	Compressor Insert	-
9	30-00006	1	O-Ring	-
11	30-05708	1	V-Clamp	-
12	30-05709	1	Thrust Bearing	-
13	30-05710	1	Spacer Sleeve	-
14	30-00009	1	Groove Pin	-
15	30-05711	1	Bearing	-
16	30-05712	1	Spring Clamp	-
17	30-05713	1	V-Clamp	-
18	30-05714	1	Bearing Housing	-
19	30-05715	1	Turbine Housing Assembly	-
20	30-05716	1	Shaft and Turbine Wheel Assembly	-
21	30-05717	2	Thrust Ring	-
22	30-00020	1	Pop Rivet (not shown)	-
23	30-00015	1	Name Plate (not shown)	-
24	30-00016	2	Lock Nut, V-Clamp	-
26	30-05718	1	Turbine Backplate	-
27	30-05719	1	Piston Ring	-
28	30-04808	7	Expansion Plug (not shown)	-
29	30-05720	1	Filter Cup (not shown)	-

**K27 TURBOCHARGER ASSEMBLY**

M6125T-A @ 1200 & 1500 RPM



K27dwg53279887090

INTAKE AND EXHAUST SYSTEM

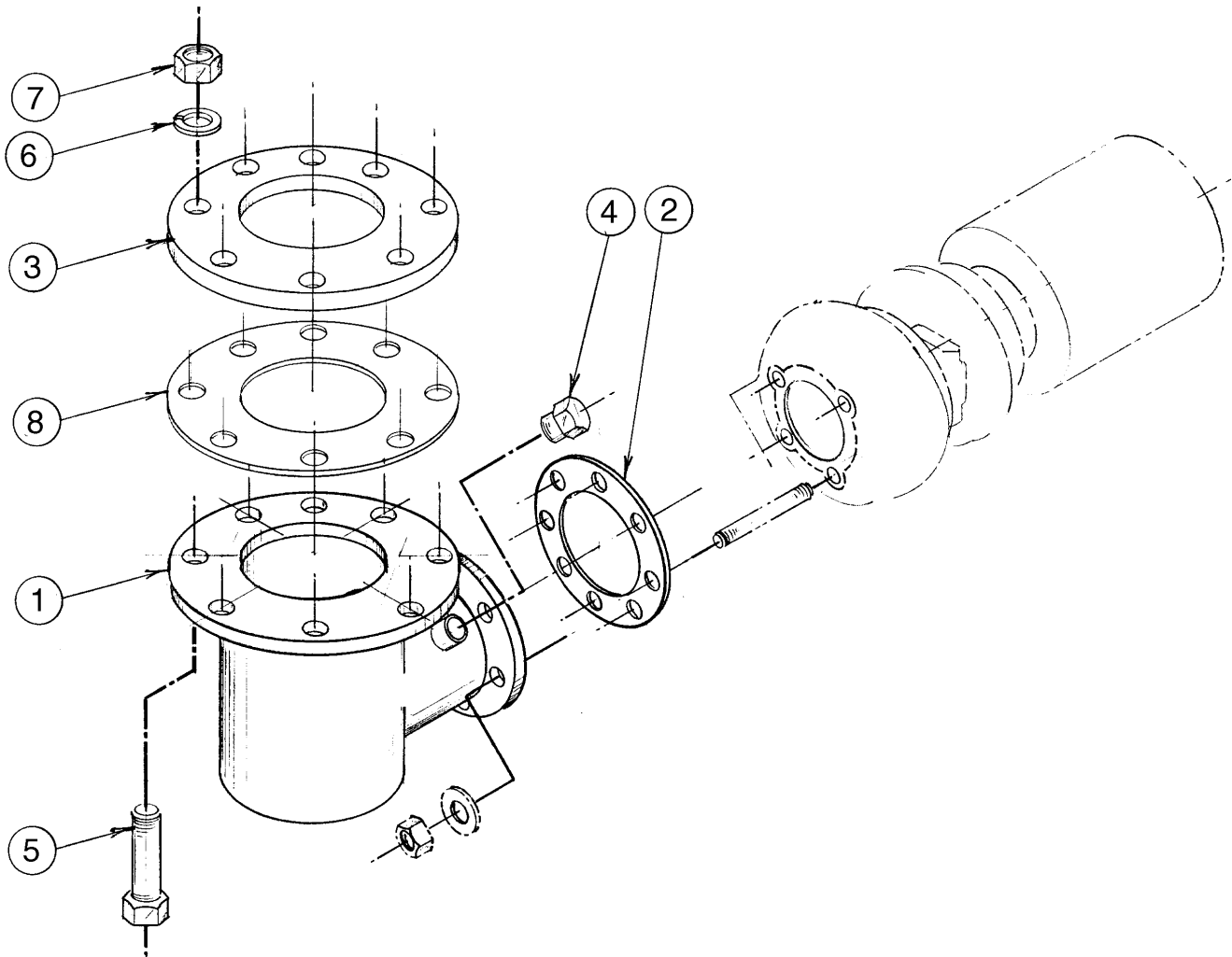
**K27 TURBOCHARGER ASSEMBLY**

*M6125T-A @ 1200 & 1500 RPM*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	30-31627-1	1	Turbocharger (includes all keys)	-
•	30-31630	1	Repair Kit (includes keys 3,4,6,8,9,11,12,14,15,17, 22-27)	-
1	30-31628	1	Turbine Housing	-
2	30-31631	6	Plug, Socket Head, Steel M22 x 1.5	-
3	30-31445	4	Capscrew, Socket Head M6 x 1.0 x 16 mm Grade 10.9	-
4	30-31453	4	Flat Washer M6	-
5	30-31633	1	Bearing Housing	-
6	30-31434	2	Bushing	-
7	30-31637	1	Shaft & Turbine Wheel Assembly	-
8	30-31441	4	Piston Ring	-
9	30-31442	1	Thrust Bearing	-
10	30-31438	1	Thrust Ring	-
11	30-31443	1	Oil Deflector	-
12	30-31439	1	Flinger Sleeve	-
13	30-31643	1	Backing Plate	-
14	30-31644	1	O-ring	-
15	30-31435	4	Snap Ring	-
16	30-31646	1	Compressor Wheel	-
17	30-31446	1	Lock Nut	-
18	30-31454	1	Name Plate	-
19	30-31649	2	Screw	-
20	30-31659	1	Heat Shield	-
21	30-31629	1	Compressor Housing	-
22	12-00030	8	Capscrew, Hex Head M6 x 1.0 x 16 mm	-
23	30-31657	4	Clamp Plate	-
24	30-31654	3	Clamp Plate	-
25	30-31655	6	Bolt	-
26	30-31428	1	O-ring	-
27	30-31662	1	Spacer Sleeve	-

**DRY EXHAUST ELBOW - 5" & 6"**

*L6125A with K36 Turbo*

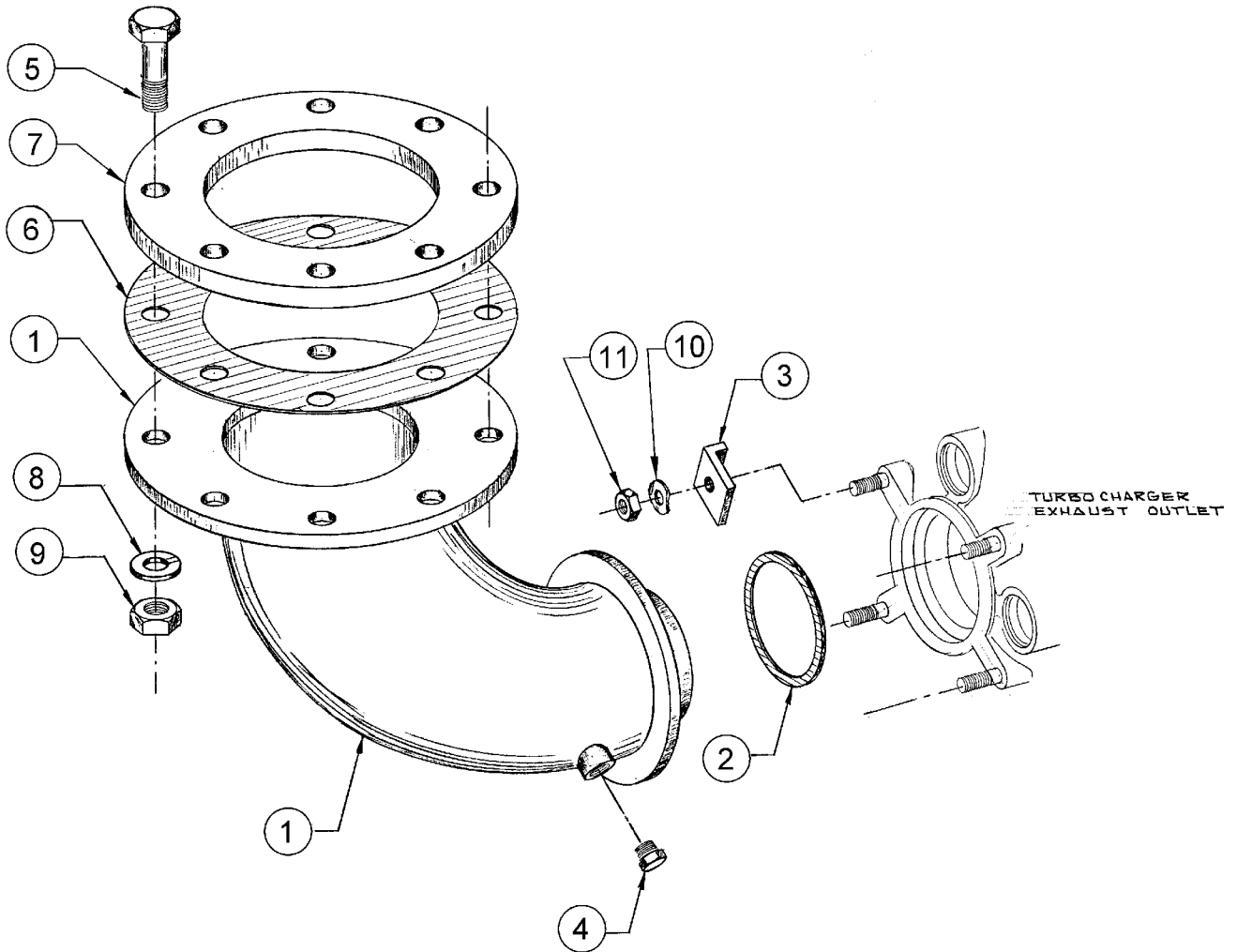


A-3596, A-2327/ B-2761

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-34811	1	Dry Exhaust Elbow (5")	-
	27-34800	1	Dry Exhaust Elbow (6")	-
2	11-34803	1	Gasket	-
3	28-34803	1	Companion Flange (5")	-
	28-34802	1	Companion Flange (6")	-
4	21-31624	1	Brass Plug 1/4 NPT	-
5	12-01503	8	Capscrew, Hex Head M16 x 2.0 x 50 mm	-
6	15-01000	8	Lock Washer M16	-
7	14-01432	8	Hex Nut M16 x 2.0	-
8	11-31096	1	Gasket (5")	-
	11-31097	1	Gasket (6")	-

**DRY EXHAUST ELBOW - 5" & 6"**

L6125A with 4MFW or S4DWL Turbo



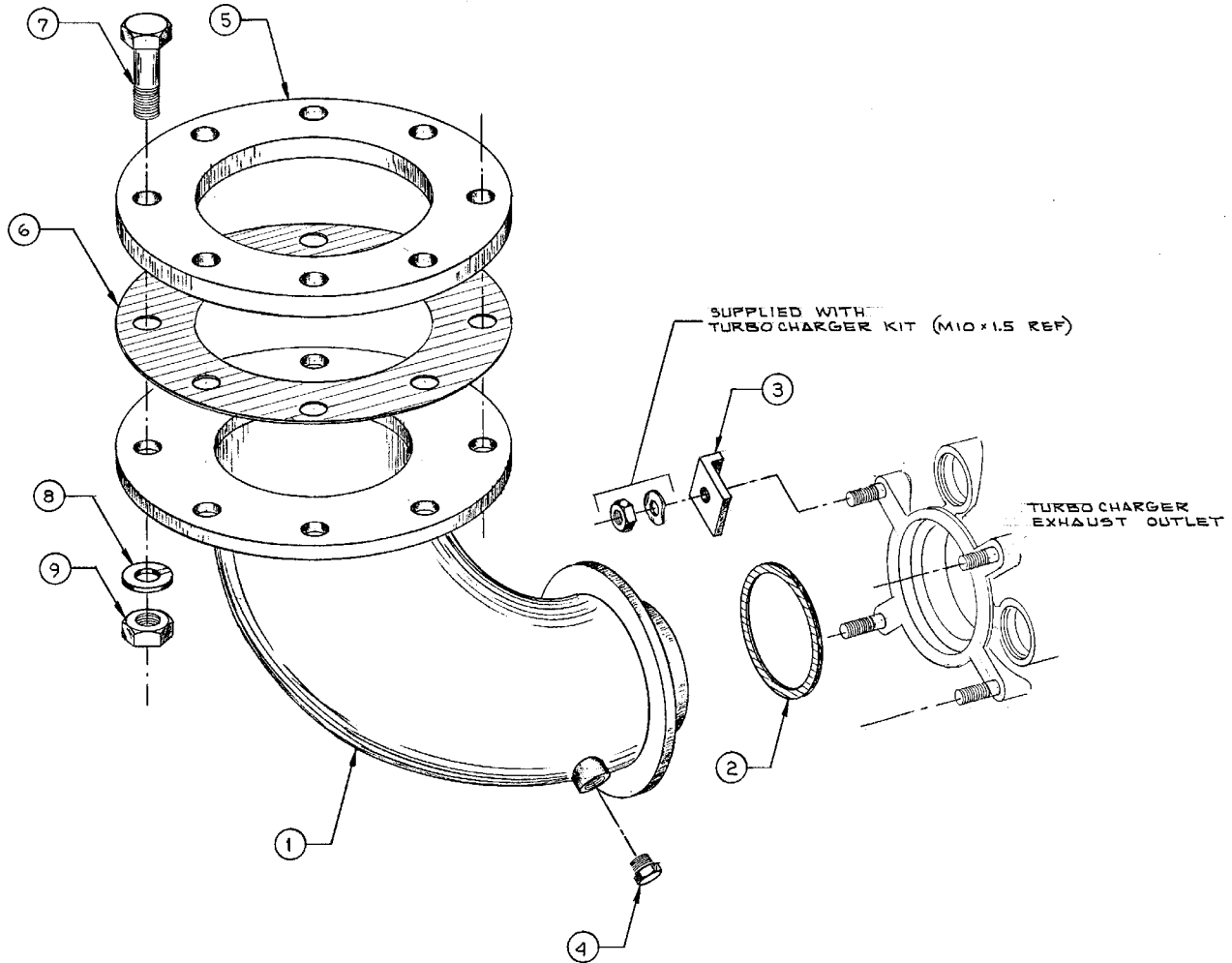
A-5148, A-4708 / C-2497A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-34831	1	Dry Exhaust Elbow 5" (formerly #27-34825)	-
	27-35021	1	Dry Exhaust Elbow 6" (formerly #27-35008)	-
2	11-34808	1	Gasket	-
3	00-30005	4	Retaining Clip	-
4	21-31624	1	Brass Plug 1/4 NPT	-
5	12-01217	8	Capscrew, Hex Head 3/4-10 x 2-1/2"	-
6	11-31096	1	Gasket (5")	-
	11-31097	1	Gasket (6")	-
7	28-32801	1	Companion Flange (5")	-
	28-34802	1	Companion Flange (6")	-
8	15-01202	8	Helical Lock Washer 3/4	-
9	14-01211	8	Hex Nut 3/4-10	-
10	15-00804	4	Wave Washer M10	-
11	14-05001	4	Hex Nut, Stainless Steel 3/8-24	-

INTAKE AND EXHAUST SYSTEM

**DRY EXHAUST ELBOW - 5"**

M6125T - A with S3A Turbo



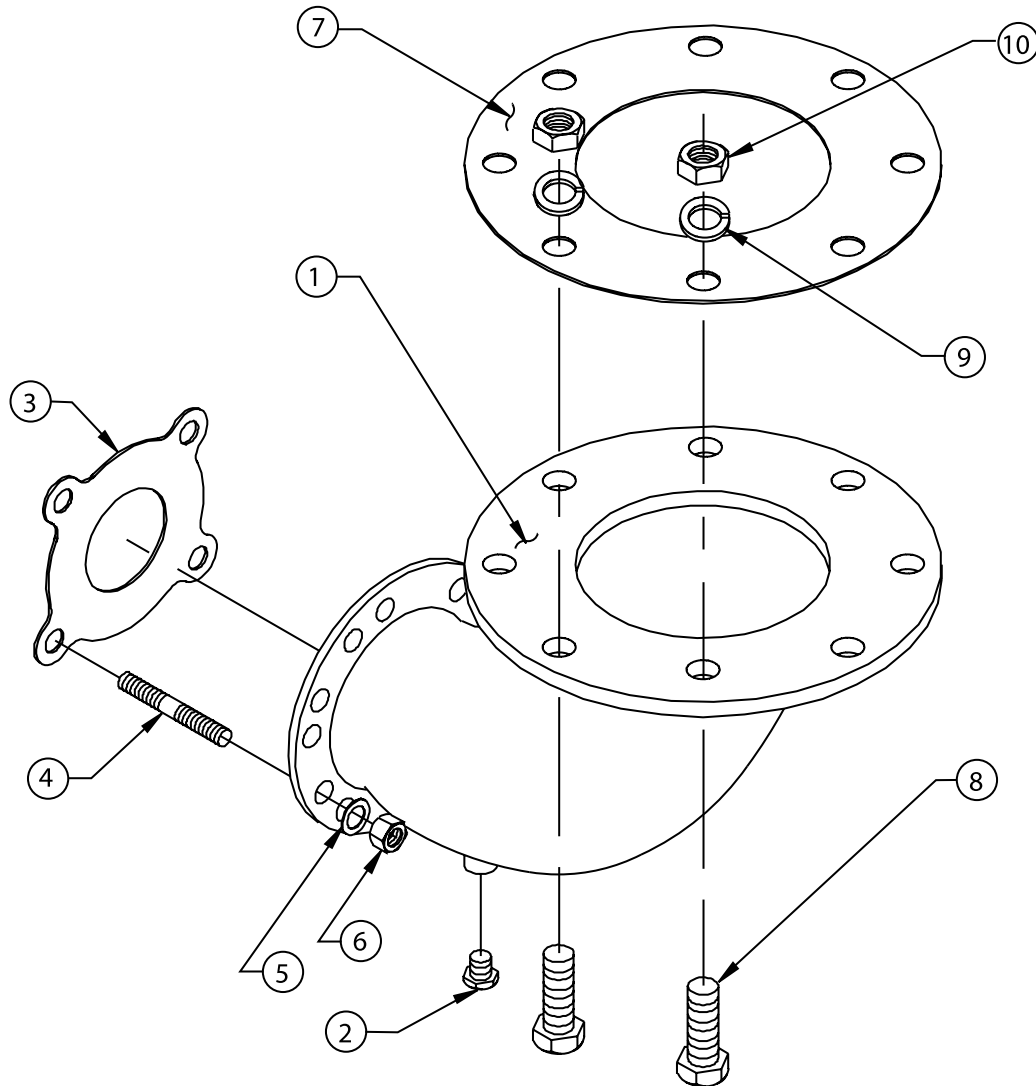
A-5355 / C-2673

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-35702	1	Dry Exhaust Elbow 5"	-
2	11-35703	1	Gasket	-
3	00-30005	4	Clip	-
4	21-10003	1	Hex Plug, Steel 1/4 NPT	-
5	28-32801	1	Companion Flange	-
6	11-31096	1	Gasket	-
7	12-01217	8	Capscrew, Hex Head 3/4 -10 x 2-1/2"	-
8	15-01202	8	Lock Washer, Helical 3/4	-
9	14-01211	8	Hex Nut 3/4 -10	-
10	14-00817	4	Hex Nut M10 x 1.5 Stainless Steel (not shown)	-
11	15-00804	4	Wave Washer M10 (not shown)	-

INTAKE AND EXHAUST SYSTEM

**DRY EXHAUST ELBOW - 4"**

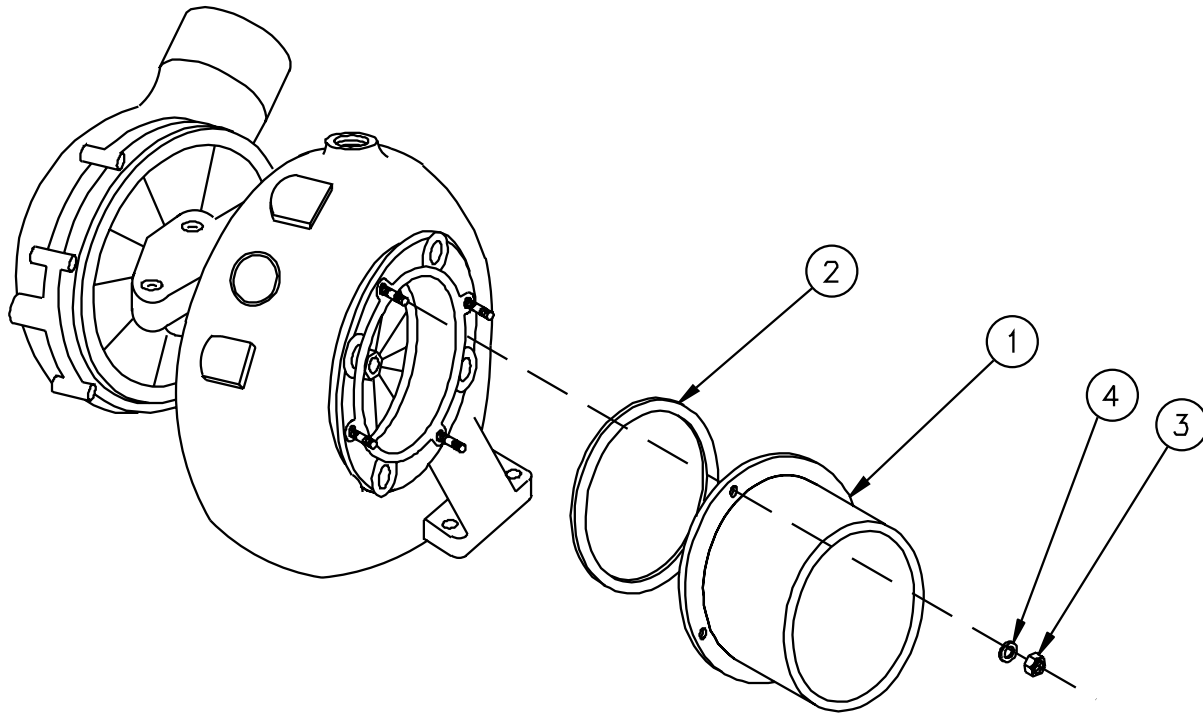
M6125T - A with K27 Turbo



A-1102C / B-2614B

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-32511	1	Dry Exhaust Elbow 4"	-
	27-34833	1	Dry Exhaust Elbow 4" (15" high for use in Sound Enclosure)	-
2	21-31002	1	Plug, Square Head Brass 3/8 NPT	-
3	11-31635	1	Gasket	-
4	13-00814	4	Stud, M10 x 1.5 x 30 mm	-
5	15-00804	4	Wave Washer, M10	-
6	14-00817	4	Hex Nut, Stainless Steel, M10 x 1.5 mm	-
7	11-31099	1	Gasket	-
8	12-00916	8	Capscrew, Hex Head 5/8 -11 x 2.0"	-
9	15-00902	8	Lock Washer, Helical 5/8	-
10	14-00911	8	Hex Nut, 5/8 -11	-

EXHAUST OUTLET ADAPTER



A-4109, A-5248 / A-9831

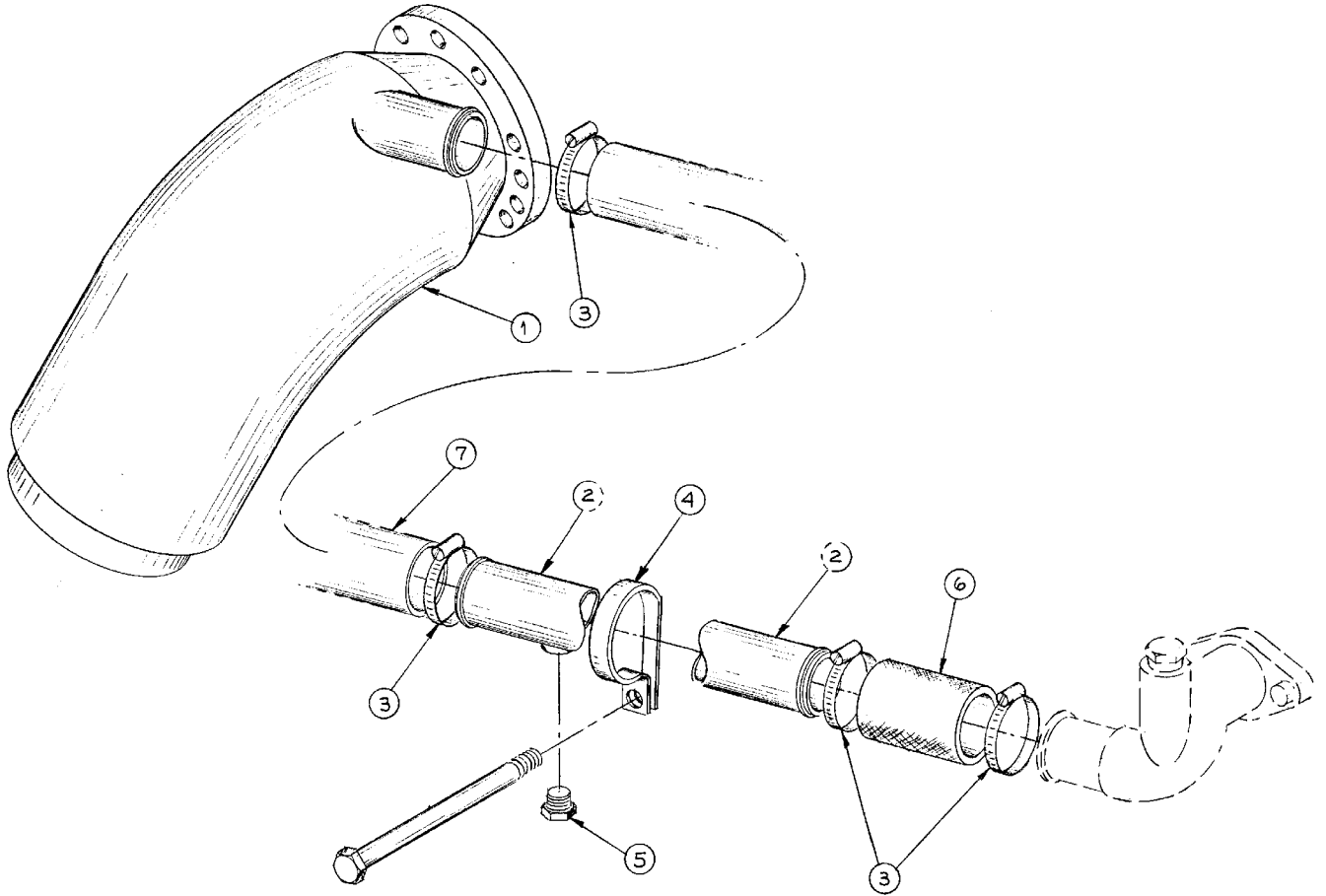
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-34829	1	Exhaust Outlet Adapter 5"	-
	27-35006	1	Exhaust Outlet Adapter 6"	-
2	11-35001	1	Gasket	-
3	14-00321	4	Hex Nut	-
4	15-00321	4	Flat Washer	-



INTAKE AND EXHAUST SYSTEM

WET EXHAUST ELBOW - 6"

L6125A with K36 Turbo



A-3452 / C-2080

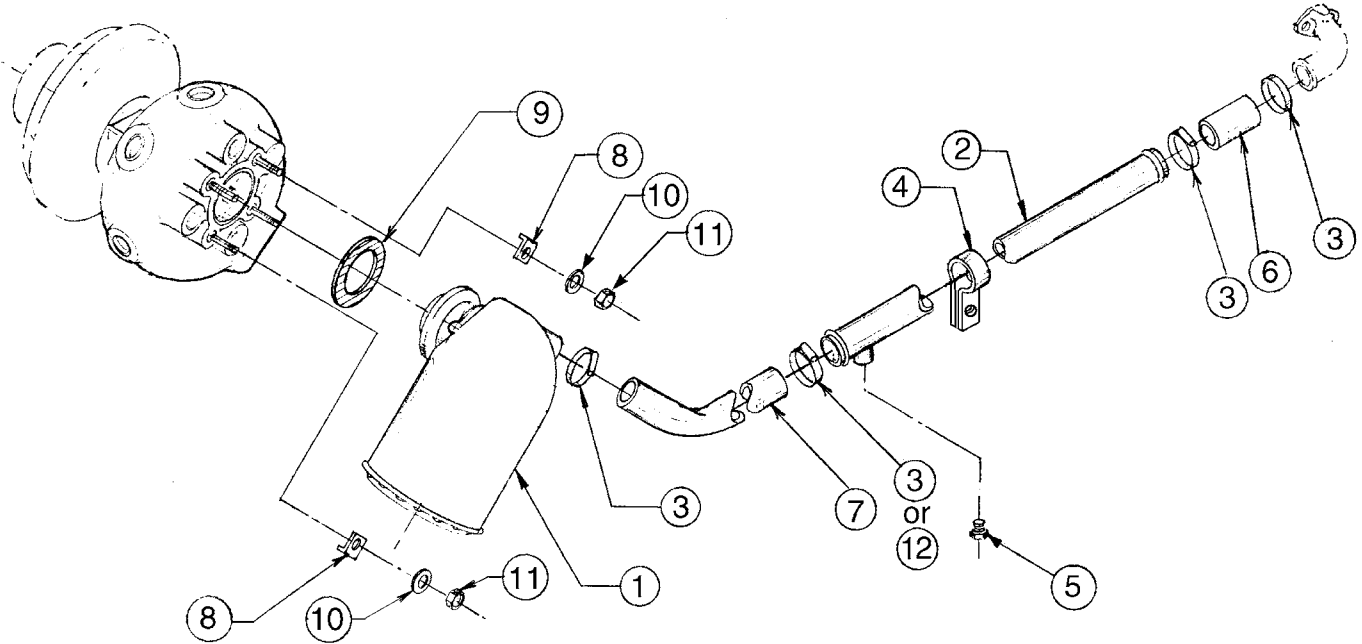
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-34806	1	Wet Exhaust Elbow 6"	-
2	27-14823	1	Raw Water Discharge Tube	-
3	19-00032	4	Hose Clamp #32	-
4	19-14801	1	Adelle Clamp	-
5	21-31003	1	Brass Plug 3/8 NPT	-
6	18-54810	1	Silicon Hose, 1-5/8" ID x 3-1/2	-
7	18-54811	1	Hose, 1-5/8" ID x 16	-
9	11-34803	1	Gasket, Elbow Mtg. (not shown)	-

Note: Mounting hardware for wet exhaust elbow shown on detail for K36 Turbo.

INTAKE AND EXHAUST

**WET EXHAUST ELBOW - 6" & 8"**

L6125 with 4MFW or S4DWL Turbo



A-4880, A-6015 / B-3935

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
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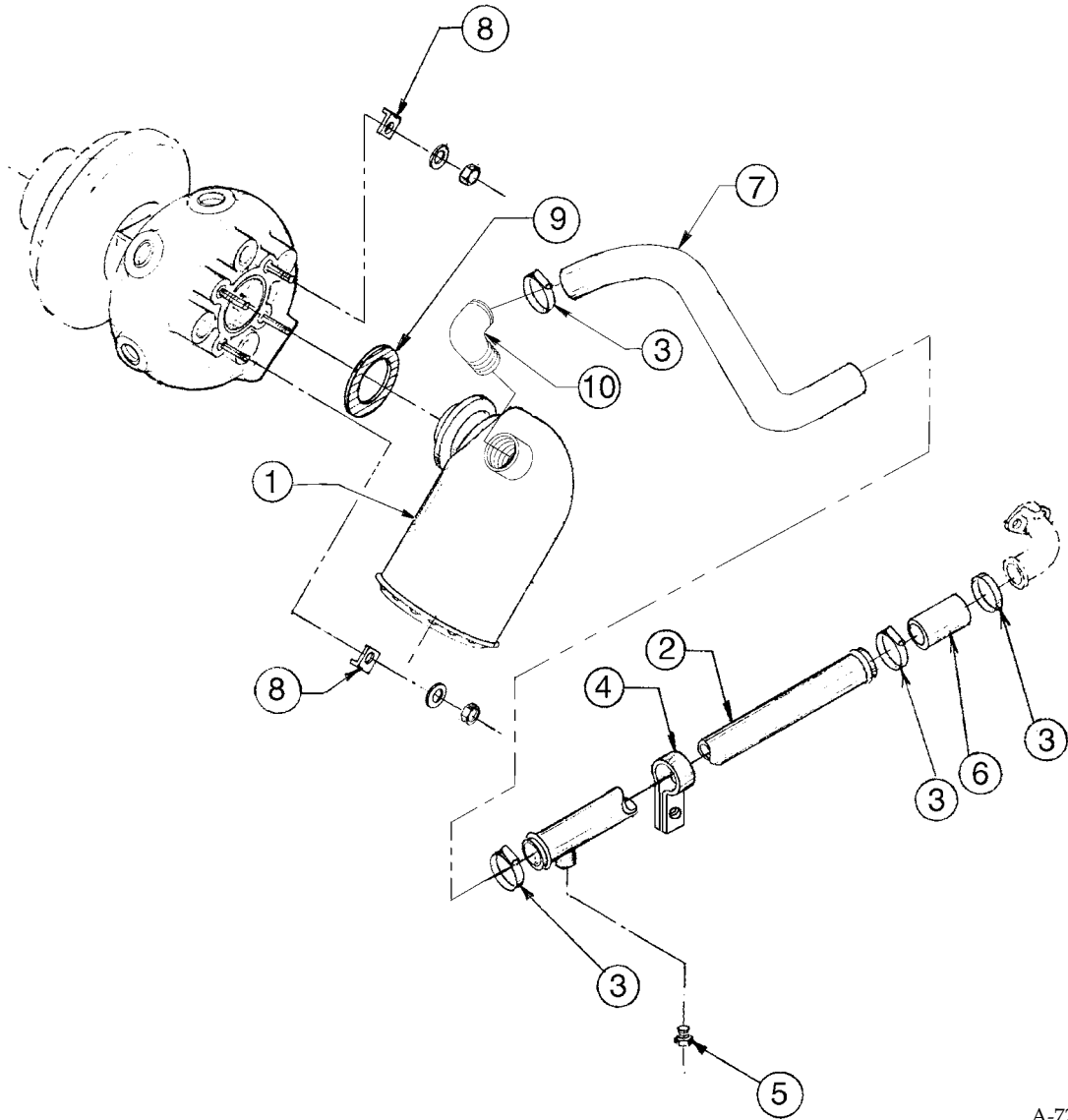
1	27-34821	1	6" Wet Exhaust Elbow (0-15° Installation Angle)	-
	27-34841	1	6" Wet Exhaust Elbow (15-75° Installation Angle)	-
	27-35009	1	8" Wet Exhaust Elbow (0-15° Installation Angle)	-
	27-36802	1	8" Wet Exhaust Elbow (15-75° Installation Angle)	-
2	27-14823	1	Raw Water Discharge Tube (6" Elbow)	-
	27-04801	1	Raw Water Discharge Tube (8" Elbow)	-
3	19-00032	4	Hose Clamp #32 (2 ea. With 8" Elbow)	-
4	19-14801	1	Adelle Clamp (6" Elbow)	-
	19-60000	1	Adelle Clamp (8" Elbow)	-
5	21-31003	**	Hex Head Plug, Brass 3/8 NPT	-
6	18-54810	1	2 Ply Silicon Hose, 1-5/8" ID x 3-1/2"	-
7	18-44800	1	Wire Reinforced Hose, 1-5/8" ID x 24" (6" Elbow)	-
	18-04802	1	Wire Reinforced Hose, 2" ID x 31" (8" Elbow)	-
8	00-30005	4	Clip	-
9	11-34808	1	Gasket	-
10	15-00804	4	Wave Washer M10	-
11	14-05001	4	Hex Nut, Stainless Steel 3/8-24	-
12	19-00036	2	Hose Clamp #36 (Only With 8" Elbow)	-

\*\*As required

INTAKE AND EXHAUST

**WET EXHAUST ELBOW, CAST IRON - 6"**

M6125T & A with S3AW Turbo



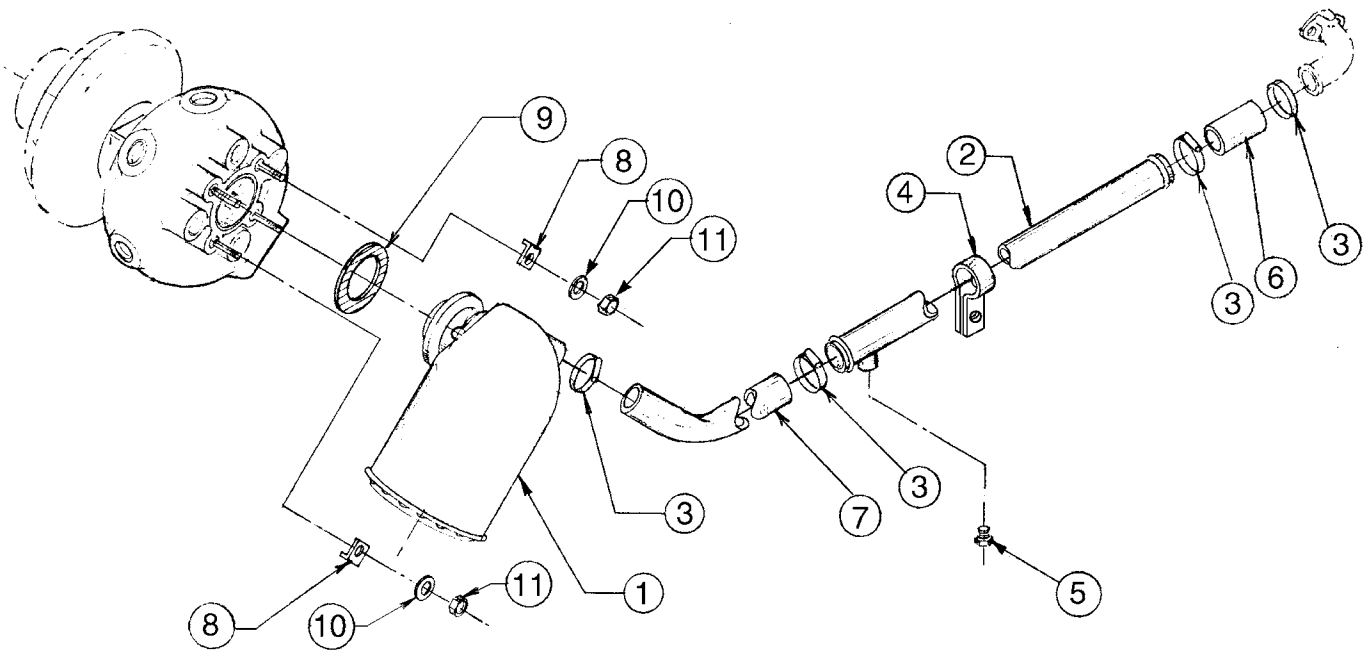
A-7200 / B-3935 (6)

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-35704	1	6" Wet Exhaust Elbow (Cast Iron)	-
2	27-14823	1	Raw Water Discharge Tube	-
3	19-00032	4	Hose Clamp #32	-
4	19-14801	1	Adelle Clamp	-
5	21-31003	1	Hex Head Plug, Brass 3/8 NPT	-
6	18-54810	1	2 Ply Silicon Hose, 1-5/8 ID x 3-1/2"	-
7	18-44800	1	Wire Reinforced Hose, 1-5/8 ID x 24" (6" Elbow)	-
8	00-30005	4	Clip	-
9	11-35703	1	Gasket	-
10	21-31015	1	Male Elbow 90°, Copper 1-1/4 NPT x 1-5/8"	-

INTAKE AND EXHAUST

**WET EXHAUST ELBOW, STAINLESS STEEL - 6"**

M6125T & A with S3AW Turbo



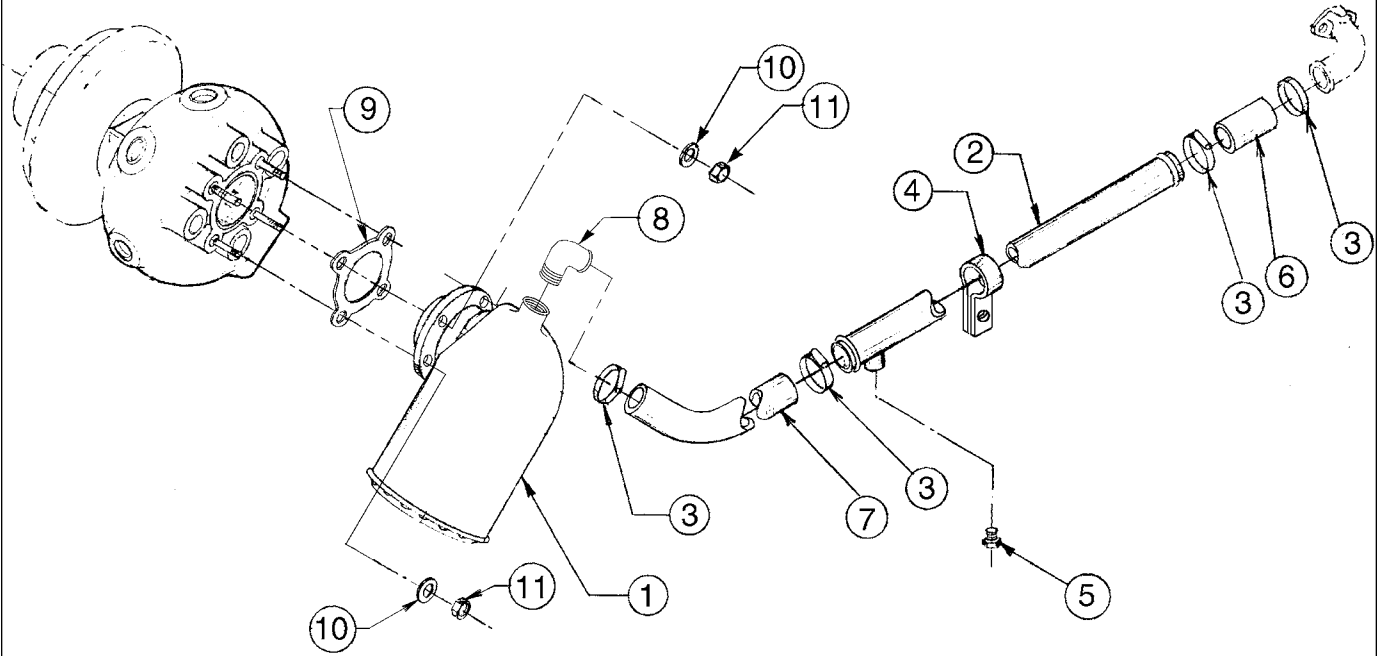
A-7200 / C-3935

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-34842	1	6" Wet Exhaust Elbow	-
2	27-14823	1	Raw Water Discharge Tube 1-5/8" OD	-
3	19-00032	4	Hose Clamp #32	-
4	19-14801	1	Adelle Clamp	-
5	21-31003	**	Hex Head Plug, Brass 3/8 NPT	-
6	18-54810	1	2 Ply Silicon, 1 -5/8" ID x 3 -1/2"	-
7	18-44800	1	Wire Reinforced Hose, 1-5/8" ID x 24"	-
8	00-30005	4	Clip	-
9	11-34808	1	Gasket	-
10	15-00804	4	Wave Washer M10	-
11	14-05001	4	Hex Nut, Stainless Steel 3/8 -24	-
			**As required	

INTAKE AND EXHAUST

**WET EXHAUST ELBOW, STAINLESS STEEL - 5"**

M6125T with K27 Turbo



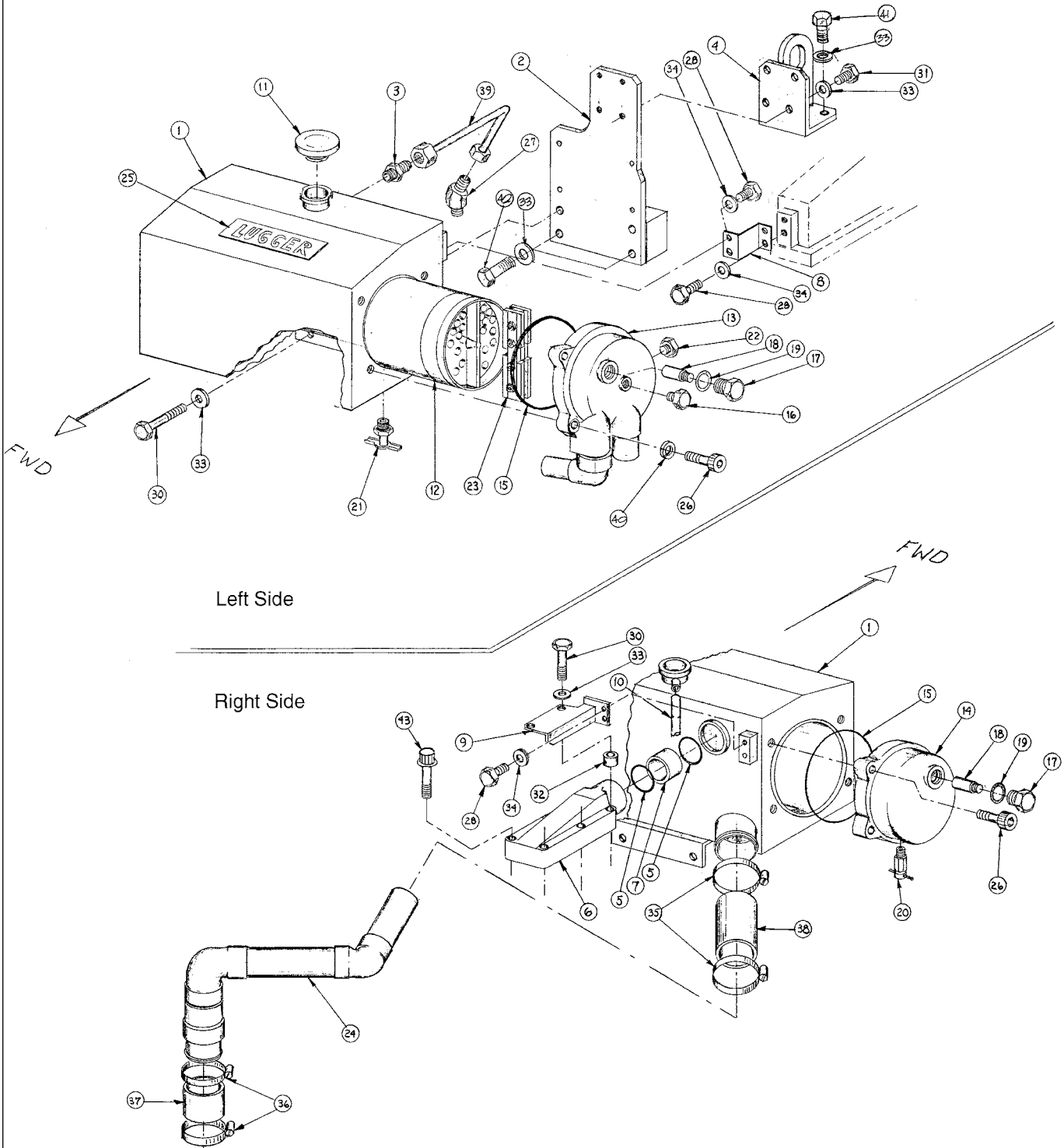
A-8430 / C-3935withK27Turbo

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-31605	1	Wet Exhaust Elbow 5" S/S (0-15° Installation Angle)	-
	27-30031	1	Wet Exhaust Elbow 5" S/S (15-75° Installation Angle)	-
2	27-14823	1	Raw Water Discharge Tube 1-5/8" OD	-
3	19-00032	4	Hose Clamp #32	-
4	19-14801	1	Adelle Clamp	-
5	21-31624	**	Plug	-
6	18-54810	1	Hose, 1-5/8" ID x 3-1/2", 3 Ply Silicon	-
7	18-44800	1	Hose, 1-5/8" ID x 24" Wire Reinforced	-
8	21-31015	1	Male Elbow 90° Copper 1-1/4 NPT x 1-5/8" Hose Barb	-
9	11-31635	1	Gasket	-
10	15-00804	4	Wave Washer M10	-
11	14-00817	4	Hex Nut M10 x 1.5 S/S	-
			**As required	

COOLING SYSTEM

EXPANSION TANK - STEEL

Heat Exchanged Units



A-2252G / D-1726

COOLING SYSTEM

**EXPANSION TANK - STEEL**

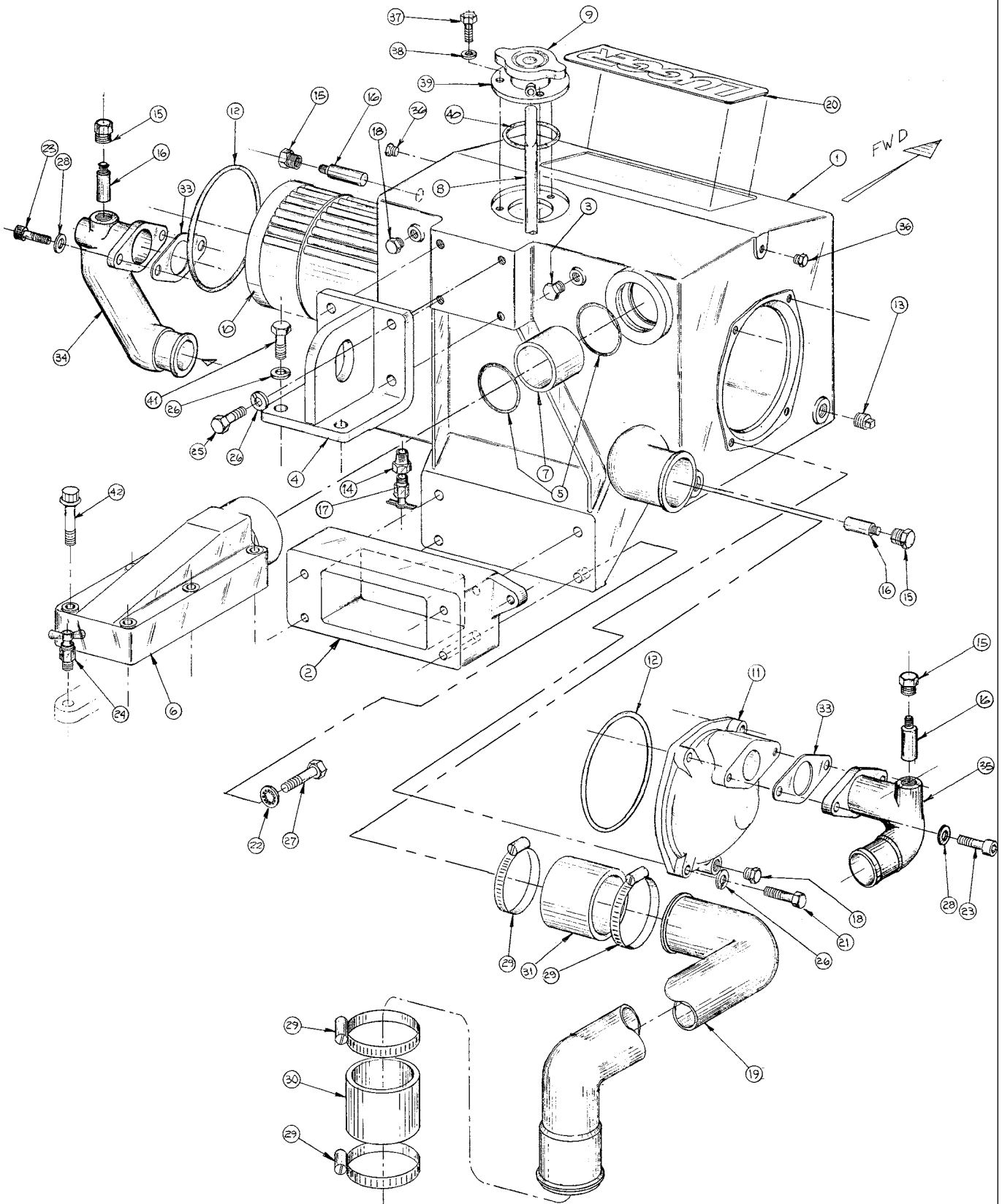
*Heat Exchanged Units*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-14809	1	Expansion Tank	-
2	23-14803	1	Expansion Tank Support Bracket	-
3	21-52208	1	Male Connector, Brass 1/4 NPT x 1/4 - 45T	-
4	00-74803	1	Front Lifting Eye	-
5	16-14803	2	O-ring	-
6	20-14807	1	Thermostat Housing Cover	-
7	27-14814	1	Expansion Tank Inlet Tube	-
8	23-14804	1	Expansion Tank Bracket - Top Left	-
9	23-14805	1	Expansion Tank Bracket - Top Right	-
10	18-14804	1	Overflow Tube 3/8" x 42" PVC	-
11	21-10007	1	Filler Cap, 7 lbs.	-
12	20-14810	1	Heat Exchanger Element	-
13	20-14806	1	End Bell	-
14	20-14805	1	End Bell	-
15	16-14801	4	O-ring	-
16	21-00530	1	Brass Plug 1/2 NPT	-
17	21-14813	2	Plug	-
18	21-14814	2	Zinc Anode (can use 823661)	-
19	11-14803	2	Packing Gasket	-
20	21-14815	1	Drain Cock	-
21	21-10002	1	Drain Cock 1/4 NPT	-
22	21-31624	1	Brass Plug 1/4 NPT	-
23	00-14800	1	Baffle	-
24	27-14811	1	Cooler Tube Assembly	-
25	00-71000	1	"Lugger" Nameplate	-
26	12-20815	8	Capscrew, Socket Head M10 x 1.5 x 40 mm	-
27	21-54801	1	Male Elbow Fitting 45° 1/8 NPT x 1/4-45T	-
28	12-00751	12	Capscrew, Hex Head M8 x 1.25 x 15 mm	-
30	12-00819	6	Capscrew, Hex Head M10 x 1.5 x 75 mm	-
31	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
32	21-14816	2	Spacer 10 mm	-
33	15-00805	16	Flat Washer M10	-
34	15-00701	12	Flat Washer M8	-
35	19-00040	2	Hose Clamp #40	-
36	19-00048	2	Hose Clamp #48	-
37	18-24801	1	Hose 3 x 3" ID	-
38	18-14805	1	Hose 2-1/2 x 4" ID	-
39	27-14815	1	Tube Assembly	-
40	15-00803	8	Lock Washer High Collar M10	-
41	12-00050	4	Capscrew, Hex Head M10 x 1.5 x 85 mm	-
42	12-00819	2	Capscrew, Hex Head M10 x 1.5 x 75 mm	-
43	01437-01050	6	Capscrew, 12 Point M10 x 1.5 x 50 mm	-

COOLING SYSTEM

EXPANSION TANK - ALUMINUM

Heat Exchanged Units



A-5226 & A-3300 / D-1859



COOLING SYSTEM

EXPANSION TANK - ALUMINUM

Heat Exchanged Units

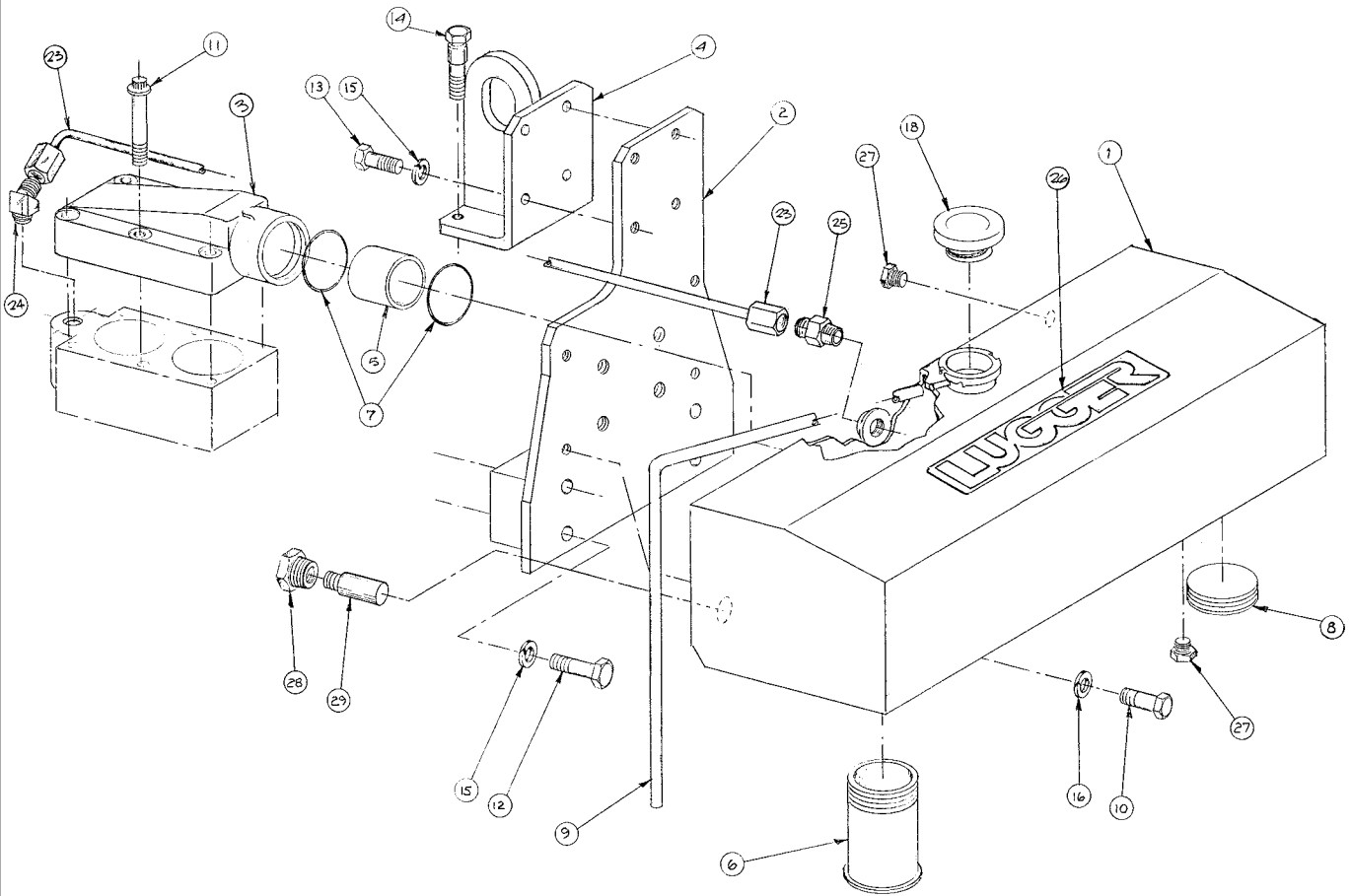
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-14813	1	Expansion Tank - Aluminum	-
2	21-14820	1	Spacer Block	-
3	21-52208	1	Male Connection, 1/4 NPT x 1/4 - 45T (replaced by 21-31624)*	-
	21-31624	1	Plug 1/4 NPT	-
4	00-74805	1	Lifting Eye	-
5	16-14803	2	O-ring	-
6	20-14807	1	Thermostat Housing Cover	-
7	27-14814	1	Expansion Tank Inlet Tube	-
8	18-14804	1	Overflow Tube 3/8" x 42"	-
9	21-10007	1	Filler Cap, 7 lbs.	-
10	20-14813	1	Heat Exchanger Element	-
11	20-14814	2	End Cover	-
12	16-14802	2	O-ring	-
13	21-00530	2	Plug 1/2 NPT	-
14	21-00135	1	Bushing 1/4 NPT x 1/2 NPT	-
15	21-10000	4	Zinc Plug 1/2 NPT	-
16	21-10010	4	Zinc	-
17	21-10002	1	Drain Cock 1/4 NPT	-
18	21-31624	6	Plug 1/4 NPT	-
19	27-14821	1	Tube (Propulsion Units)	-
	27-14822	1	Tube (Marine Generator Units)	-
20	00-71000	1	"Lugger" Nameplate	-
	00-00006	1	"Northern Lights" Nameplate	-
21	12-00812	8	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
22	15-00805	4	Flat Washer M10	-
23	12-34805	4	Capscrew, Socket Head M10 x 1.5 x 25 mm, Stainless Steel	-
24	21-54801	1	Male Elbow 45° Brass 1/8 NPT x 1/4-45T (replaced by 21-10001)*	-
	21-10001	1	Drain Cock 1/8 NPT	-
25	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
26	15-00804	14	Wave Washer M10	-
27	12-00049	4	Capscrew, Hex Head M10 x 1.5 x 80 mm	-
28	15-00801	4	Lock Washer, Hi-Collar M10 S/S	-
29	19-00048	4	Hose Clamp #48	-
30	18-14808	1	Hose 2-7/8" ID x 4"	-
31	18-14807	1	2 Ply Silicon Hose 2-5/8" ID x 3"	-
32	27-14825	1	Tube Assembly (no longer used - see note below)*	-
33	11-14804	2	Gasket	-
34	21-14818	1	Raw Water Inlet Tube	-
35	21-14819	1	Raw Water Outlet Tube	-
36	21-31003	2	Brass Plug 3/8 NPT	-
37	12-00055	3	Capscrew, Socket Head M8 x 1.25 x 20 mm	-
38	15-00702	3	Lock Washer M8	-
39	10-14811	1	Filler Neck Assembly	-
40	16-00003	1	O-ring (Early production tank with recess)	-
	16-14804	1	O-ring (Late production tank with groove)	-
41	12-00050	2	Capscrew, Hex Head M10 x 1.5 x 85 mm	-
42	01437-01050	6	Capscrew, 12 Point M10 x 1.5 x 50 mm	-

\*Note: #32 Tube replaced by #3 Plug 1/4 NPT (21-31624) and #24 Drain Cock 1/8 NPT (21-10001)

COOLING SYSTEM

EXPANSION TANK - STEEL

*Keel Cooled Units*



A-2264G / D-1669

COOLING SYSTEM

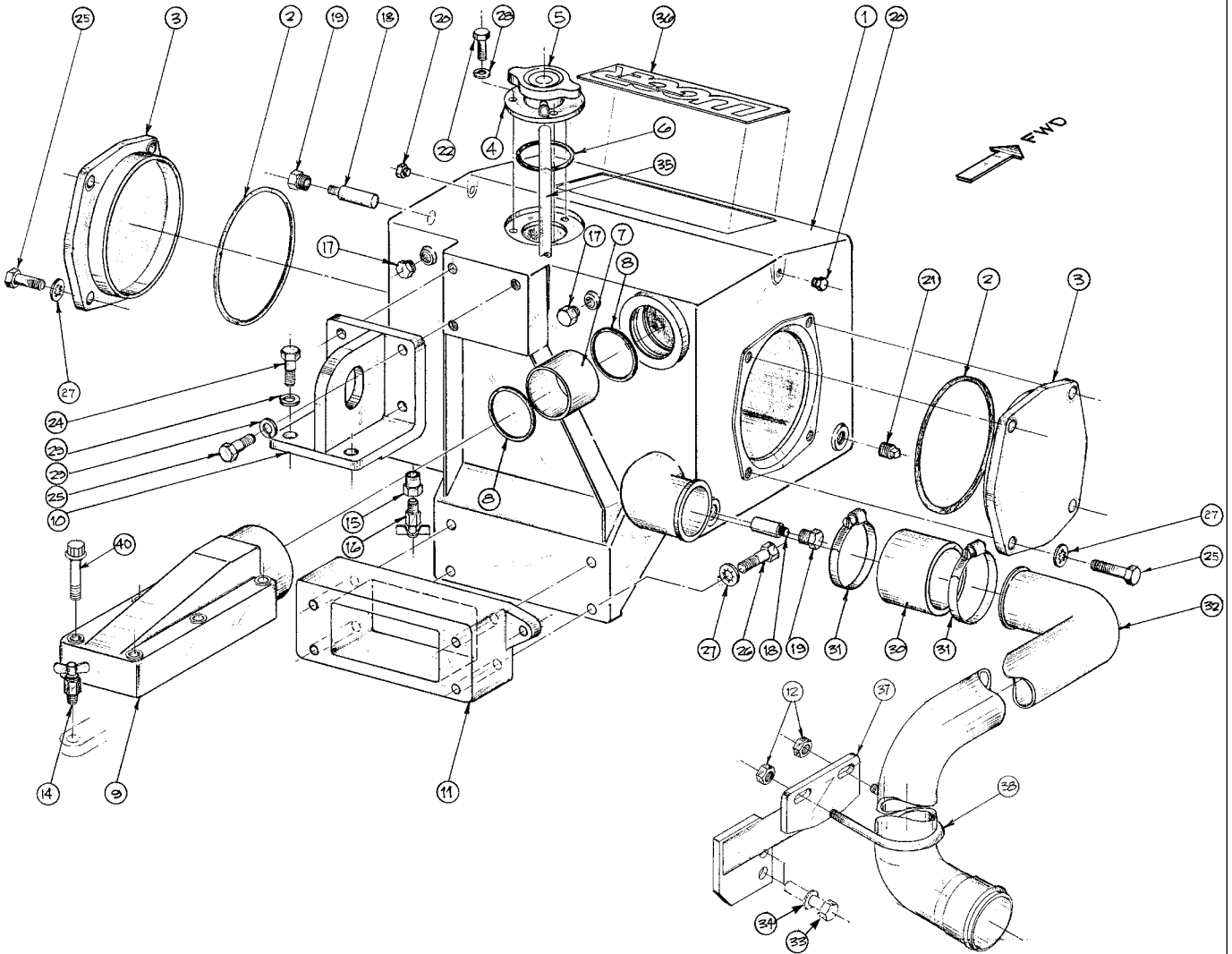
**EXPANSION TANK - STEEL**

*Keel Cooled Units*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-14804	1	Keel Cooled Expansion Tank	-
2	23-14803	1	Expansion Tank Support Bracket	-
3	20-14807	1	Thermostat Housing Cover	-
4	00-74803	1	Front Lifting Eye	-
5	27-14814	1	Expansion Tank Inlet Tube	-
6	27-14807	2	Expansion Tank Outlet	-
7	16-14803	2	O-ring	-
8	21-14812	1	Plug	-
9	18-14804	1	Overflow Hose	-
10	12-00751	4	Capscrew, Hex Head M8 x 1.25 x 15 mm	-
11	01437-01050	6	Capscrew, 12 Point M10 x 1.5 x 50 mm	-
12	12-00820	4	Capscrew, Hex Head M10 x 1.5 x 80 mm	-
13	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
14	12-00050	2	Capscrew, Hex Head M10 x 1.5 x 85 mm	-
15	15-00802	14	Lock Washer M10	-
16	15-00702	4	Lock Washer M8	-
18	21-10007	1	Filler Cap, 7 lb.	-
19	600-421-6310	2	Thermostat (not shown, see Water Manifold detail)	-
20	6138-11-6810	2	Thermostat Seal Ring (not shown)	-
23	27-14815	1	Air Bleed Tube Assembly	-
24	21-14810	1	Male Connector 45° 1/8 NPT x 1/4 - 37T	-
25	21-52208	1	Straight Connector Tube 1/4 NPT x 1/4	-
26	00-71000	1	"Lugger" Nameplate	-
27	21-10003	1	Plug 1/4 NPT	-
28	21-10000	2	Plug, Brass (Tapped 7/16 -14 for Zinc Anode)	-
29	21-10010	2	Zinc Anode	-

EXPANSION TANK - ALUMINUM MULTI-PIECE

Keel Cooled Units



COOLING SYSTEM

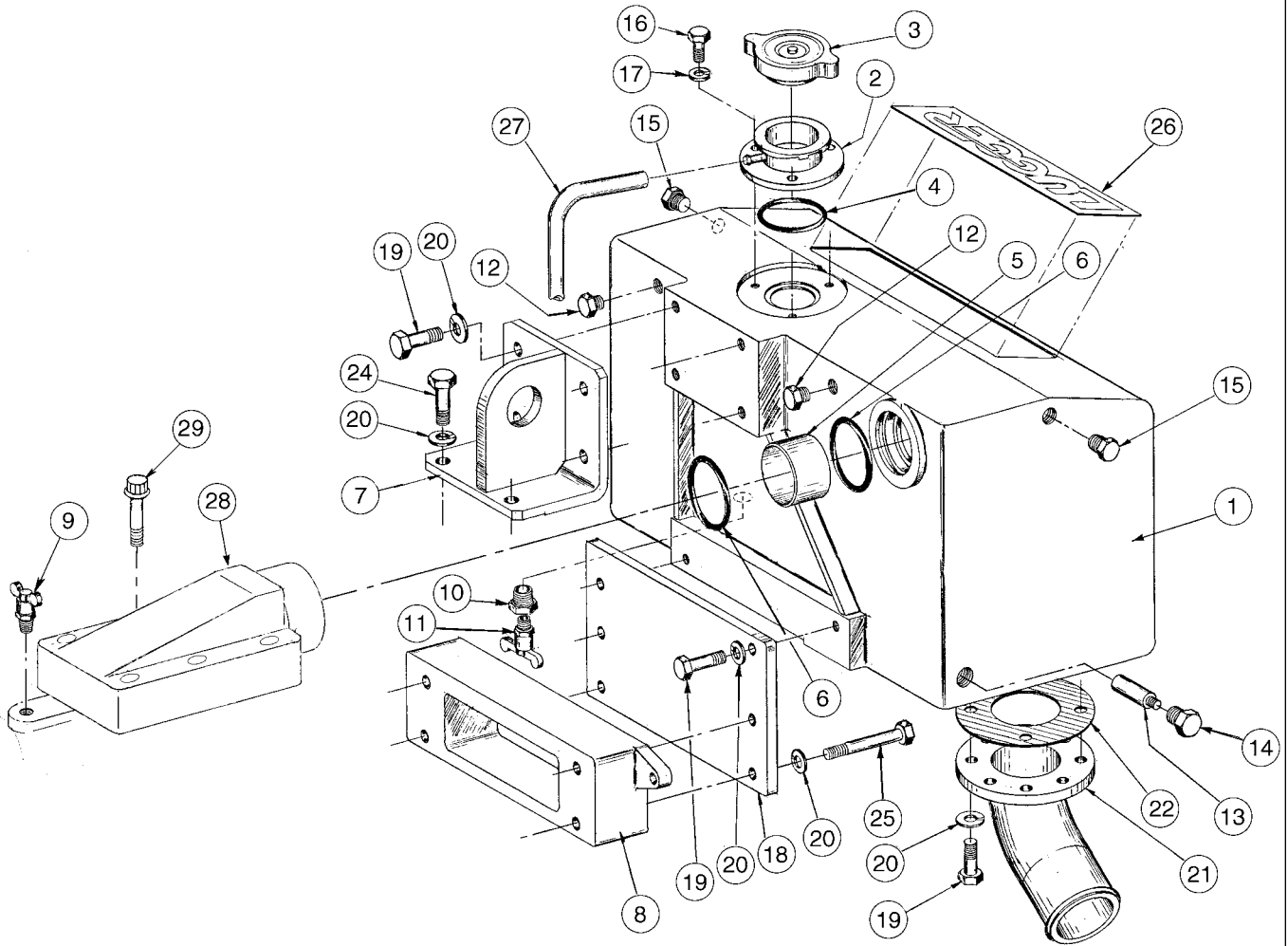
**EXPANSION TANK - ALUMINUM MULTI-PIECE**

*Keel Cooled Units*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-14813	1	Expansion Tank - Aluminum	-
2	16-14802	2	O-ring	-
3	10-14816	2	Expansion Tank Cover	-
4	10-14811	1	Filler Neck Assembly	-
5	21-10007	1	Filler Cap, 7 lbs.	-
6	16-00003	1	O-ring (Early production tank with recess)	-
	16-14804	1	O-ring (Late production tank with groove)	-
7	27-14814	1	Expansion Tank Inlet Tube	-
8	16-14803	2	O-ring	-
9	20-14807	1	Thermostat Cover	-
10	00-74805	1	Lifting Eye	-
11	21-14820	1	Spacer Block	-
12	14-00302	2	Lock Nut, Flanged 3/8-16	-
13	27-14815	1	Tube Assembly (no longer used - see note below)*	-
14	21-54801	1	Male Elbow 45° Brass 1/8 NPT x 1/4-45T (replaced by 21-10001)*	-
	21-10001	1	Drain Cock 1/8 NPT	-
15	21-00135	1	Bushing 1/4 x 1/2 NPT	-
16	21-10002	1	Drain Cock 1/4 NPT	-
17	21-31624	1	Plug 1/4 NPT	-
18	21-10010	2	Zinc	-
19	21-10000	2	Zinc Plug 1/2 NPT	-
20	21-31003	2	Plug 3/8 NPT	-
21	21-00530	2	Plug 1/2 NPT	-
22	12-00751	3	Capscrew, Hex Head M8 x 1.25 x 16 mm	-
24	12-00050	2	Capscrew, Hex Head M10 x 1.5 x 85 mm	-
25	12-00831	12	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
26	12-00049	4	Capscrew, Hex Head M10 x 1.5 x 80 mm	-
27	15-00804	12	Wave Washer M10	-
28	15-00702	3	Lock Washer, M8	-
29	15-00802	6	Lock Washer, M10	-
30	18-14807	1	2 Ply Silicon Hose 2-5/8" ID x 3"	-
31	19-00048	2	Hose Clamp #48	-
32	27-14827	1	Tube (formerly #27-14826, now requires 23-14813)	-
33	12-00806	2	Capscrew, Hex Head M10 x 1.5 x 85 mm	-
34	15-00805	2	Flat Washer M10	-
35	18-14804	1	Overflow Tube 3/8 x 42" PVC	-
36	00-71000	1	"Lugger" Nameplate	-
	00-00006	1	"Northern Lights" Nameplate	-
37	23-14812	1	Tube Support Bracket (used with 27-14826)**	-
	23-14813	1	Tube Support Bracket (used with 27-14827)**	-
38	19-15701	1	U-Bolt 3/8-16 x 2" **	-
40	01437-01050	6	Capscrew, 12 Point M10 x 1.5 x 50 mm	-
			 *Note: #13 Tube replaced by #17 Plug 1/4 NPT (21-31624) and #14 Drain Cock 1/8 NPT (21-10001)	
			 **Note: Keys #37-39 not used on Marine Gen Set applications.	

**EXPANSION TANK - ALUMINUM ONE-PIECE**

*Keel Cooled Units*



COOLING SYSTEM

**EXPANSION TANK - ALUMINUM ONE-PIECE**

*Keel Cooled Units*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-14818	1	Expansion Tank - Aluminum	-
2	10-14811	1	Filler Neck Assembly	-
3	21-10007	1	Filler Cap, 7 lbs.	-
4	16-00003	1	O-ring (Early production tank with recess)	-
	16-14804	1	O-ring (Late production tank with groove)	-
5	27-14814	1	Expansion Tank Inlet Tube	-
6	16-14803	2	O-ring	-
7	00-74805	1	Front Lifting Eye	-
8	21-14820	1	Spacer Block	-
9	21-10001	1	Brass Vent Cock 1/8 NPT	-
10	21-00135	1	Brass Bushing 1/4 NPT x 1/2 NPT	-
11	21-10002	1	Brass Drain Cock 1/4 NPT	-
12	21-31624	2	Brass Plug 1/4 NPT	-
13	21-10010	1	Zinc Anode	-
14	21-10000	1	Zinc Plug 1/2 NPT	-
15	21-31003	2	Brass Plug 3/8 NPT	-
16	12-00751	3	Capscrew, Hex Head M8 x 1.25 x 16 mm	-
17	15-00702	3	Helical Lock Washer M8	-
18	28-14803	1	Expansion Tank Support Plate	-
19	12-00831	10	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
20	15-00805	16	Flat Washer M10	-
21	27-14828	1	Coolant Discharge Tube	-
22	11-24803	1	Gasket	-
23	21-00530	1	Brass Plug 1/2 NPT (Early production - not shown)	-
24	12-00050	2	Capscrew, Hex Head M10 x 1.5 x 85 mm	-
25	12-00819	4	Capscrew, Hex Head M10 x 1.5 x 75 mm	-
26	00-71000	1	"Lugger" Nameplate	-
	00-00006	1	"Northern Lights" Nameplate	-
27	18-14804	1	Overflow Tube 3/8 ID x 42" PVC (not shown)	-
28	20-14807	1	Thermostat Cover	-
29	01437-01050	6	Capscrew, 12 Point M10 x 1.5 x 50 mm	-

COOLANT MANIFOLD & THERMOSTAT

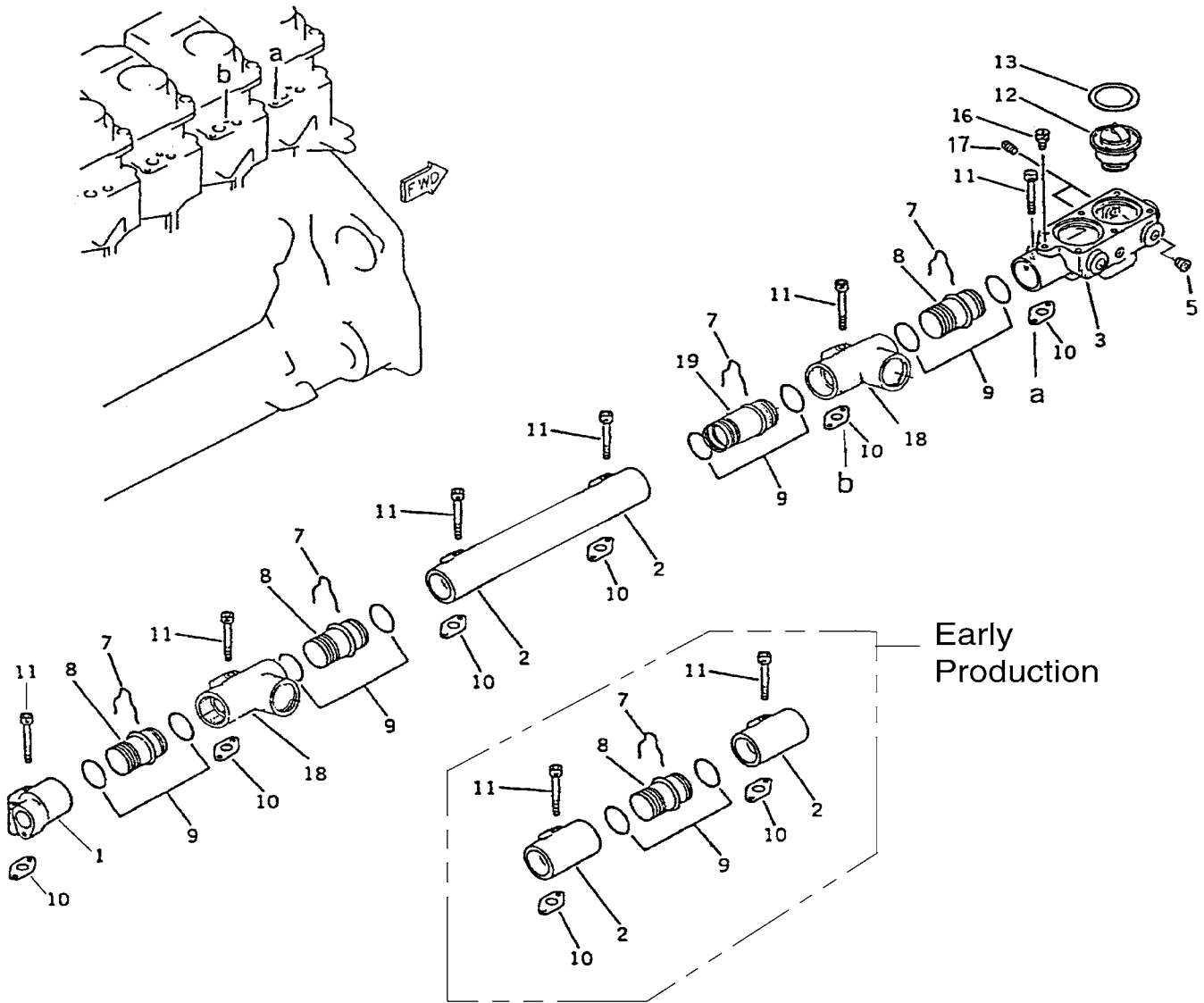


Fig. 131



COOLING SYSTEM

COOLANT MANIFOLD & THERMOSTAT

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6150-11-6120	1	Manifold (Units without Aftercooler)	-
	6152-11-6120	1	Manifold (Units with Aftercooler)	-
2	6150-11-6111	1	Manifold (2 Port) *	-
3	6150-11-6430	1	Thermostat Housing	-
5	21-13101	**	Socket Head Plug 1/2 NPT	-
7	6150-11-6280	**	Spring	-
8	6150-11-6210	**	Tube	-
9	02893-05043	**	O-ring	-
10	6150-11-6310	6	Gasket	-
11	01437-01065	12	Capscrew, 12 Point M10 x 1.5 x 65 mm (formerly #6150-81-9190)	-
12	600-421-6320	2	Thermostat, 82°C	-
	600-421-6310	**	Thermostat, 76.5°C	-
13	6138-11-6810	2	Gasket	-
14	20-14807	1	Thermostat Cover (not shown - see Expansion Tank details)	-
15	12-34806	6	Capscrew, Socket Head M10 x 1.5 x 50 mm (for Thermostat Cover, not shown)	-
16	21-10001	1	Drain Cock 1/8 NPT (not shown - see Expansion Tank details)	-
17	07042-00312	2	Plug	-
18	10-14802	2	Manifold Tee	-
19	27-14808	1	Tube with Restrictor Baffle	-
			*Note: Two port Manifold replaces former Manifold 6150-11-6110 (2 ea.), Tube 6150-11-6210 (1 ea.), Spring Clip 6150-11-6280 (1 ea.), and O-ring 02893-05043 (2 ea.).	
			** As required.	

COOLANT PUMP

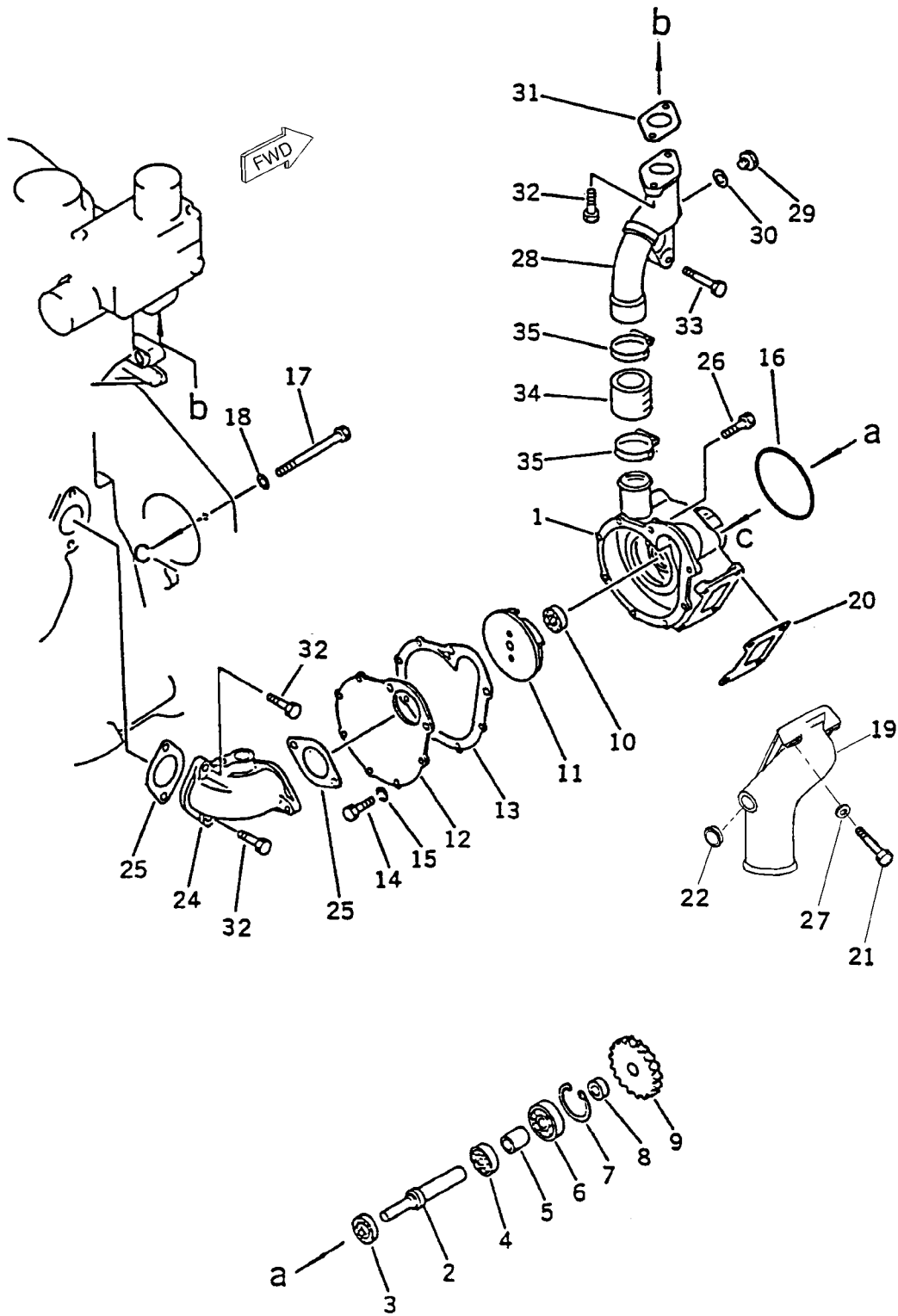


Fig. 501

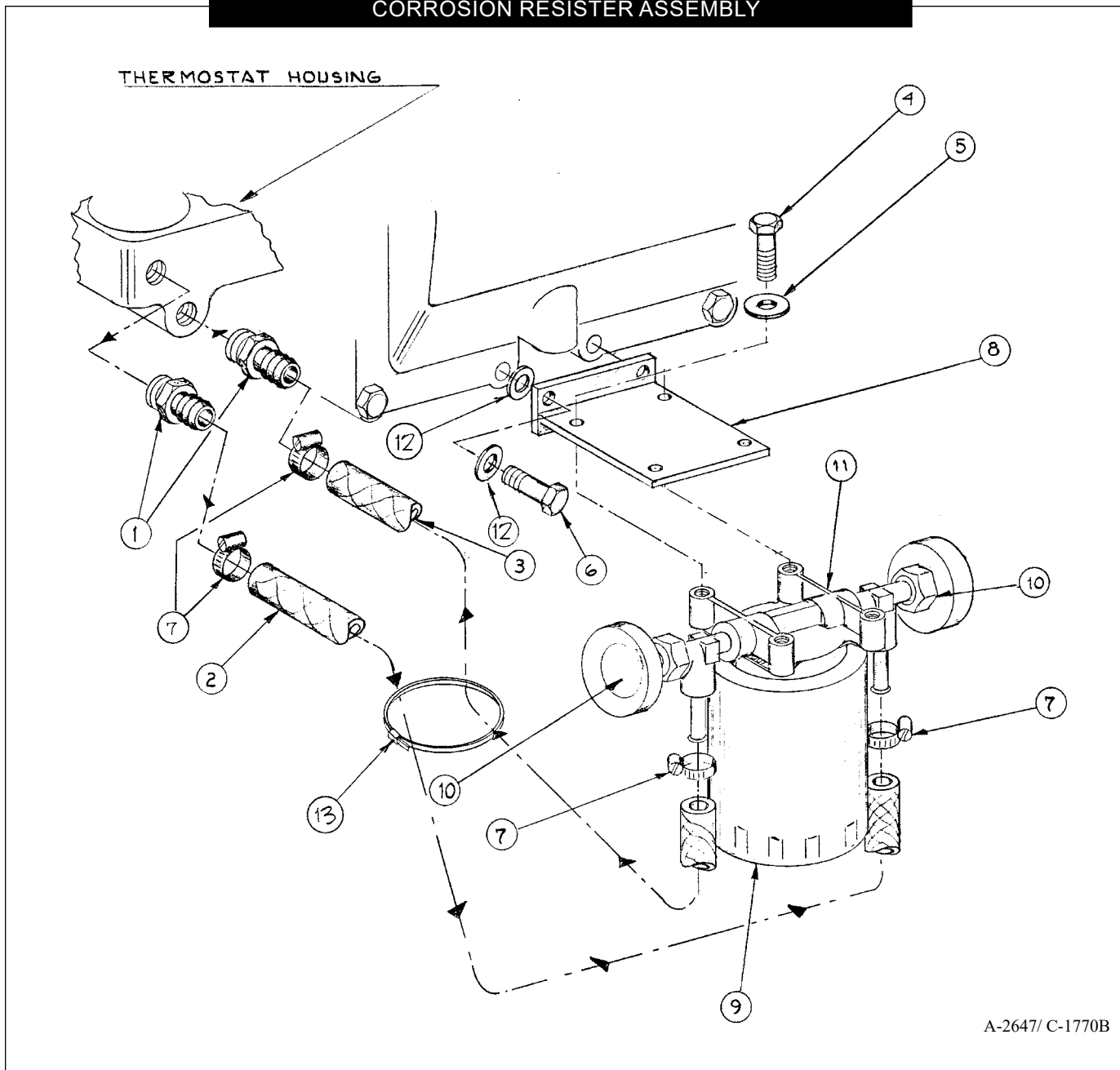
COOLING SYSTEM

COOLANT PUMP

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6151-61-1121	1	Coolant Pump Assembly (includes keys 1-15)	-
•	29-14800	1	Gasket & Seal Kit	-
1	6151-61-1111	1	Housing	-
2	6151-61-1310	1	Shaft	-
3	6150-61-1510	1	Seal	-
4	06030-06004	1	Ball Bearing	-
5	6151-61-1360	1	Spacer	-
6	06030-06304	1	Ball Bearing	-
7	04065-05220	1	Snap Ring	-
8	6150-61-1350	1	Spacer	-
9	6150-61-1410	1	Gear	-
10	6150-61-1520	1	Water Seal	-
11	6151-61-1210	1	Impeller	-
12	6151-61-1151	1	Cover	-
13	6151-61-1162	1	Gasket	-
14	01010-50816	6	Capscrew, Hex Head M8 x 1.25 x 16 mm	-
15	01602-20825	6	Spring Washer M8	-
16	07000-12115	1	O-ring	-
17	01011-81015	3	Capscrew, Hex Head M10 x 1.5 x 115 mm	-
18	01640-21016	3	Flat Washer M10	-
19	6150-61-6850	1	Connector (Keel cooled generator units)	-
	20-14811	1	Connector (Heat Exchanged generator units - formerly #20-14812)	-
20	11-14806	1	Gasket	-
21	01437-01025	4	Capscrew, 12 Point M10 x 1.5 x 25 mm	-
22	07042-00617	**	Plug	-
24	6151-61-6311	1	Connector (Non-aftercooled units)	-
	6152-61-6311	1	Connector (Aftercooled units)	-
25	6150-61-1821	2	Gasket	-
26	01010-51030	4	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
27	15-00803	4	Lock Washer, Hi-collar M10	-
28	6150-61-6510	1	Connector	-
29	6110-53-5910	1	Plug	-
30	07005-01412	1	Gasket	-
31	6150-61-6830	1	Gasket	-
32	01010-81030	6	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
33	01010-81040	2	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
34	6141-64-7270	1	Hose	-
35	07281-00709	2	Clamp	-
			**As required	

COOLING SYSTEM

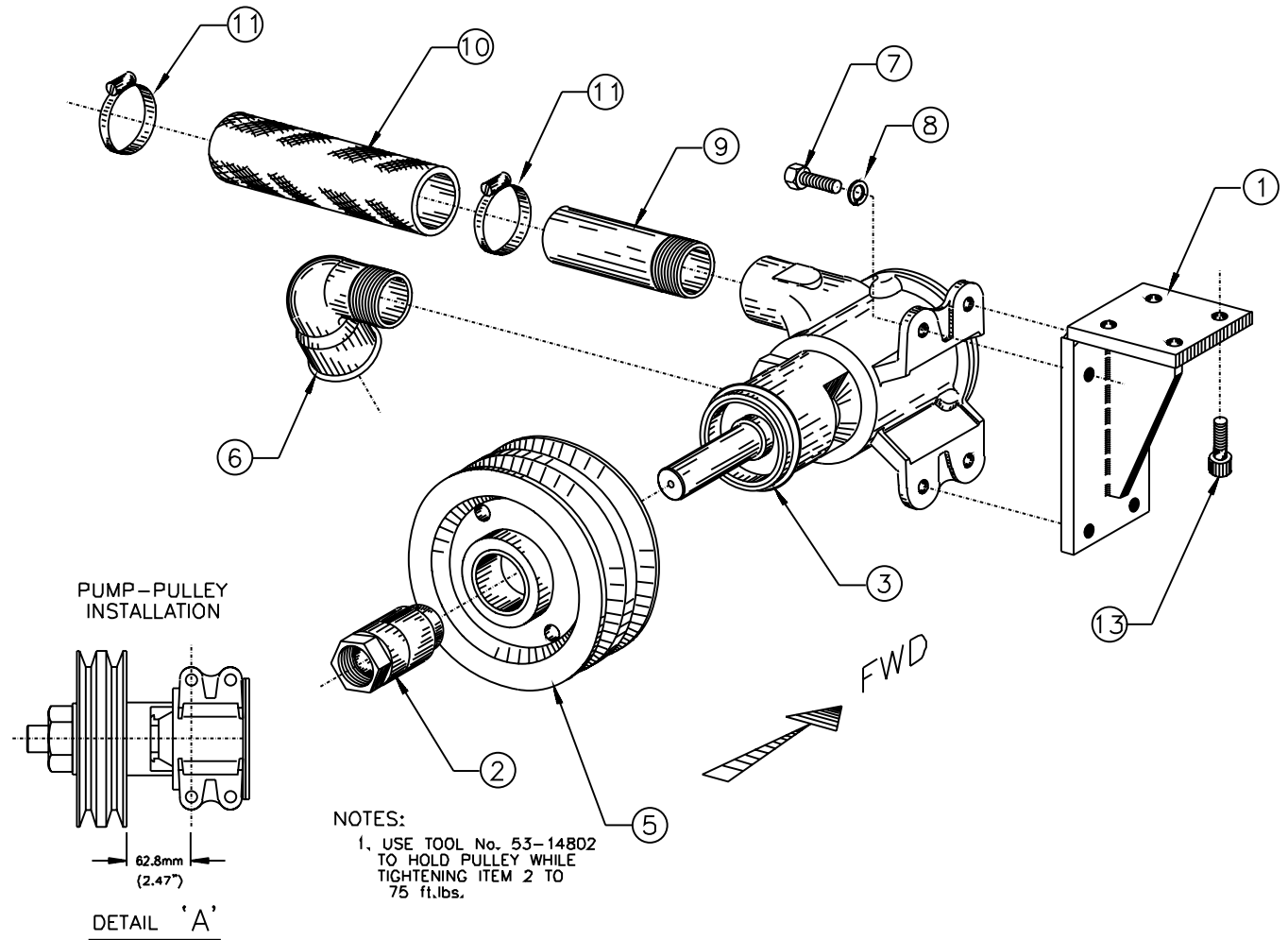
**CORROSION RESISTER ASSEMBLY**



A-2647/ C-1770B

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6138-55-7610	2	Hose Connection 3/8 BSPT x 3/8 Hose Barb	-
2	18-00003	1	Hose 3/8" ID x 32"	-
3	18-52702	1	Hose 3/8" ID x 24"	-
4	12-00312	4	Capscrew, Hex Head 3/8-16 x 1"	-
5	15-00301	4	Flat Washer 3/8" SAE	-
6	12-00059	2	Capscrew, Socket Head M10 x 1.5 x 55 mm	-
7	19-00004	4	Hose Clamp #4	-
8	23-14807	1	Bracket	-
9	24-14802	1	Corrosion Resistor Element	-
10	6150-61-8410	2	Valve	-
11	6150-61-8210	1	Head (includes key #9)	-
12	01643-31032	2	Washer M10	-
13	08034-00414	**	Tie Wrap	-
			**As required	

RAW WATER PUMP & MOUNTING L-M6125

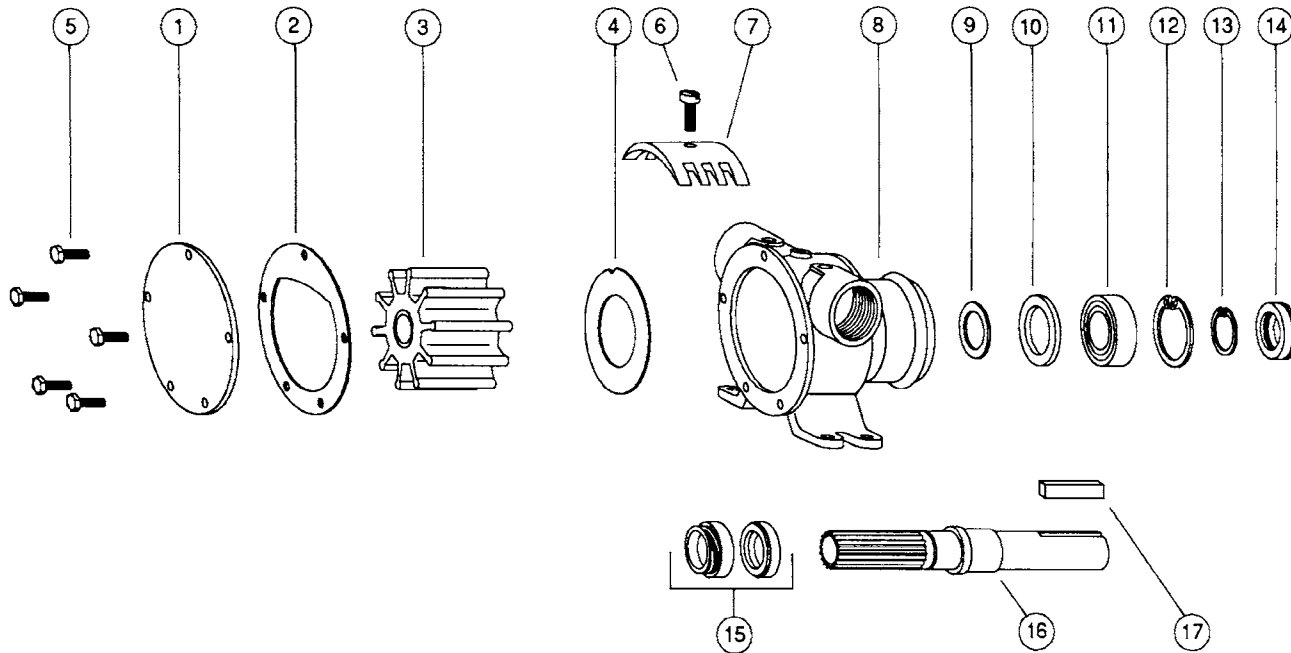


A-2354/ C-3112

KEY	PART NUMBER	QTY	DESCRIPTION	S/N
1	23-14806	1	Mounting Bracket	-
2	34-14804	1	Taper Lock Bushing	-
3	25-14801	1	Raw Water Pump	-
5	34-14803	1	Pulley (formerly #34-14801) *	-
6	21-14811	1	Elbow 1-1/4 NPT x 2" Hose Barb	-
	21-14831	1	Connector, 1-1/4 NPT x 2" Hose Barb (Sound Enclosure applications)**	-
7	12-00805	4	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
8	15-00802	4	Lock Washer M10	-
9	27-14813	1	Connector (Fabricated Tank)	-
	21-14822	1	Connector (Cast Aluminum Tank)	-
10	18-12509	1	Hose 1-5/8" ID x 6"	-
11	19-00024	2	Hose Clamp #24	-
13	12-00831	4	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
<p>*Note: Keys #2 &amp; #5 replace earlier Pulley which used Key &amp; Set Screws for mounting. Use Key #25-14806 &amp; Set Screws #12-14800 (1/4-20 x 1/2") or #12-14803 (3/8-24 x 1/2") as required for spares service. If Pulley replacement is required use new parts listed above.</p> <p>**Not Shown</p>				

COOLING SYSTEM

RAW WATER PUMP



43000-011 6/95

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	25-14801	1	Raw Water Pump Assembly (includes all keys)	-
•	25-14805	1	Service Kit (includes keys #2, 3, and 15 above)	-
1	25-14818	1	End Cover	-
2	25-14803	1	Gasket	-
3	25-14802	1	Impeller	-
4	25-14817	1	Wear Plate	-
5	25-14816	5	Cover Screw	-
6	25-14816	1	Cam Screw	-
7	25-14804	1	Cam	-
8	25-14815	1	Housing	-
9	25-14814	1	Slinger	-
10	25-14813	1	Inner Bearing Seal	-
11	25-14812	1	Ball Bearing	-
12	25-14811	1	Snap Ring	-
13	25-14810	1	Snap Ring	-
14	25-14809	1	Outer Bearing Seal	-
15	25-14808	1	Seal Assembly	-
16	25-14819	1	Shaft, S/S (formerly #25-14807 Brass)	-
17	25-14806	**	Key	-
			**As required	

COOLING SYSTEM

LUBRICATING OIL COOLER

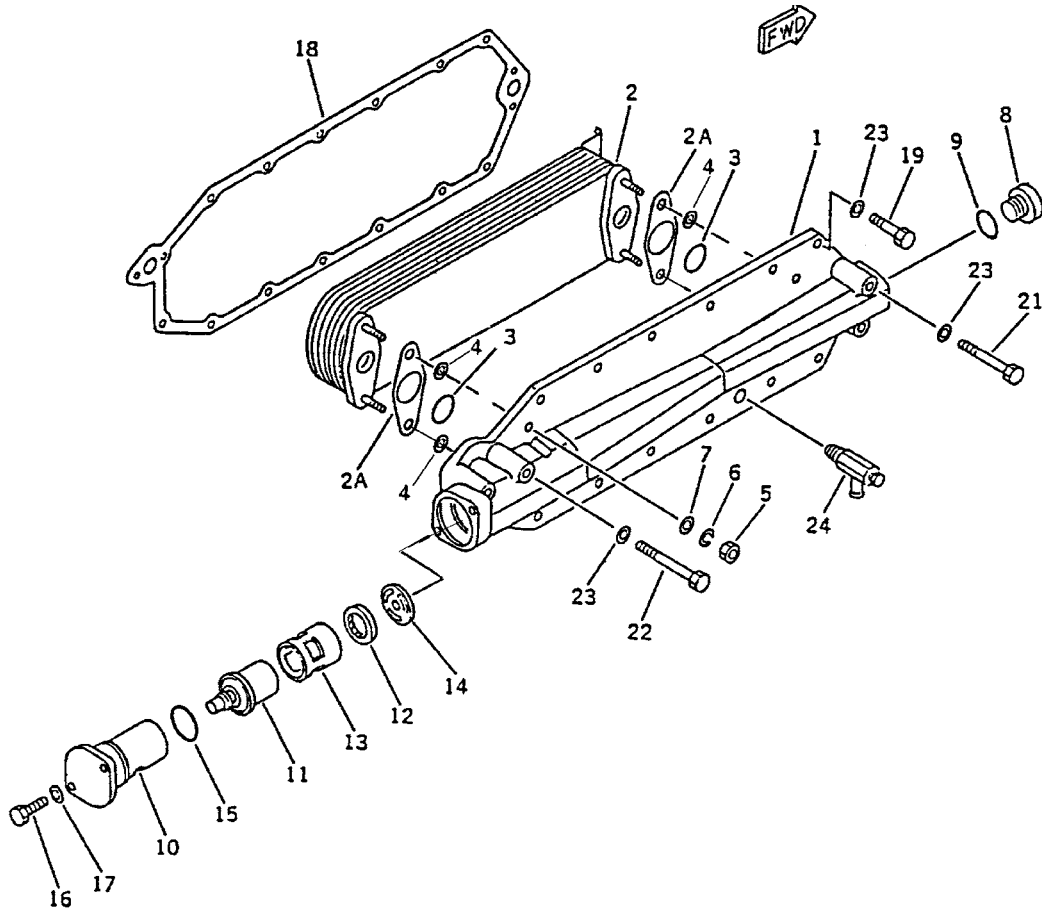
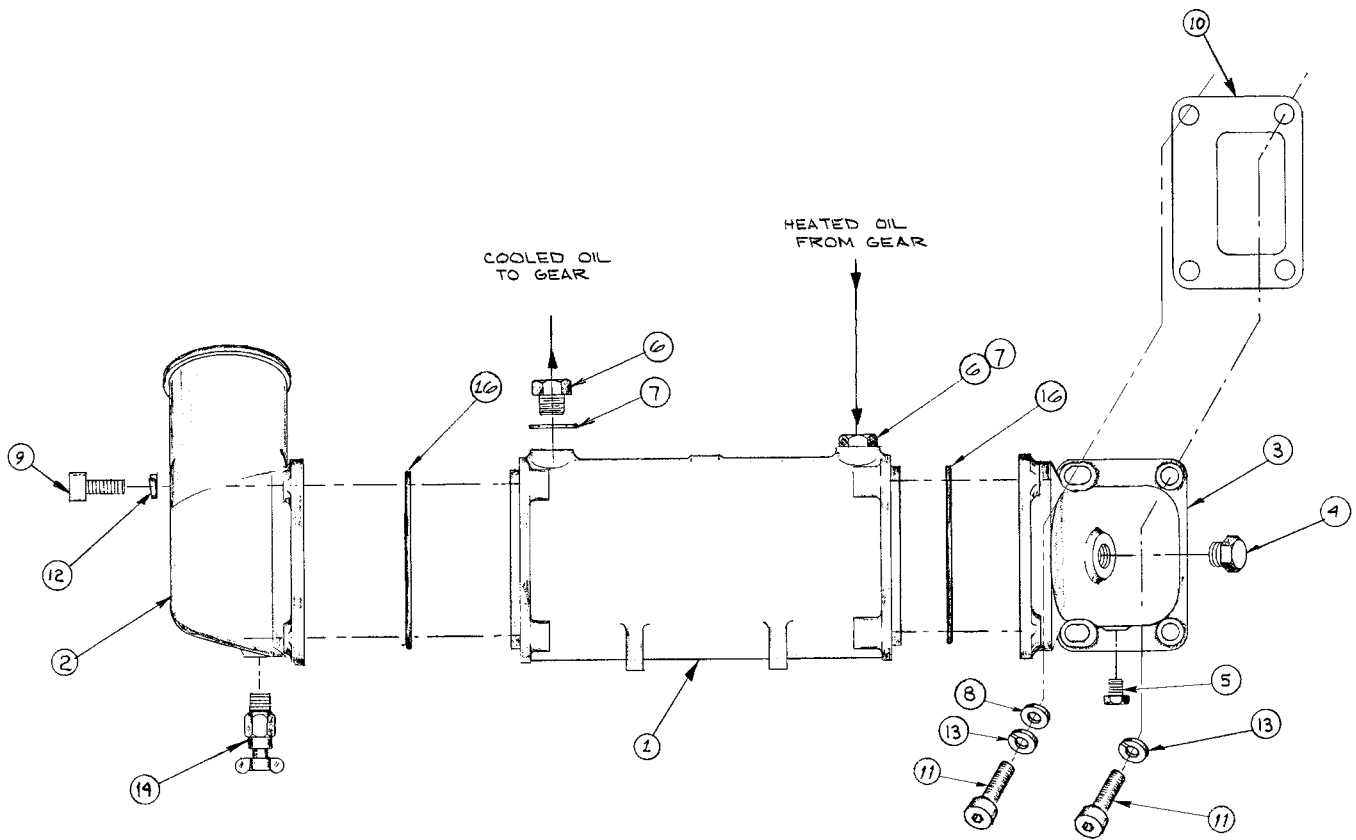


Fig. 341

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6152-61-2200	1	Oil Cooler Assembly (includes keys 1-17, replaces #6152-61-2103)	-
1	6152-61-2123	1	Cover	-
2	6152-61-2111	1	Element	-
2A	6150-61-2562	2	Gasket (formerly #6150-61-2560)	-
3	6150-61-2510	2	O-ring	-
4	6150-61-2520	4	O-ring	-
5	01582-11008	4	Nut	-
6	01602-21030	4	Spring Washer	-
7	01640-21016	4	Washer	-
8	6150-61-2530	1	Plug	-
9	6150-61-2550	1	O-ring	-
10	6150-61-2131	1	Cover	-
11	6212-65-2610	1	Thermostat 185°F/ 85°C (replaces #6150-61-2620)	-
12	6150-61-2540	1	Seal	-
13	6150-61-2141	1	Case	-
14	6150-61-2151	1	Plate	-
15	07000-63042	1	O-ring	-
16	01010-50825	2	Bolt	-
17	01640-20816	2	Washer	-
18	6150-61-2812	1	Oil Cooler Gasket	-
19	12-00814	13	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
21	12-00819	2	Capscrew, Hex Head M10 x 1.5 x 75 mm	-
22	12-00051	2	Capscrew, Hex Head M10 x 1.5 x 90 mm	-
23	15-00805	17	Flat Washer M10	-
24	6140-61-6512	1	Valve	-

COOLING SYSTEM

GEAR OIL COOLER L6125



A-2313/ C-1682

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	20-64800	1	Gear Oil Cooler (includes keys 1, 15, & 16)	-
1	10-04803	1	Housing	-
2	20-14800	1	End Cap (Inlet)	-
3	20-14801	1	End Cap (Outlet)	-
4	21-00530	1	Brass Plug, Hex Head 1/2 NPT	-
5	21-31624	1	Brass Plug, Hex Head 1/4 NPT	-
6	31-14802	2	Bushing 1-1/4 BSPP x 3/4 NPT	-
7	11-14807	2	Gasket	-
8	15-00805	2	Flat Washer M10	-
9	12-14802	8	Capscrew, Socket Head M8 x 1.25 x 30 mm	-
10	6150-61-6910	1	Gasket (can use 11-14806)	-
11	12-34802	4	Capscrew, Socket Head M10 x 1.5 x 30 mm	-
12	15-00704	8	Lock Washer, High Collar	-
13	15-00803	4	Lock Washer, High Collar	-
14	21-10002	1	Drain Cock 1/4 NPT	-
15	20-64802	1	Element (not shown)	-
16	16-64801	2	O-ring	-



NOTES

FUEL INJECTION PUMP & PIPING L-M6125

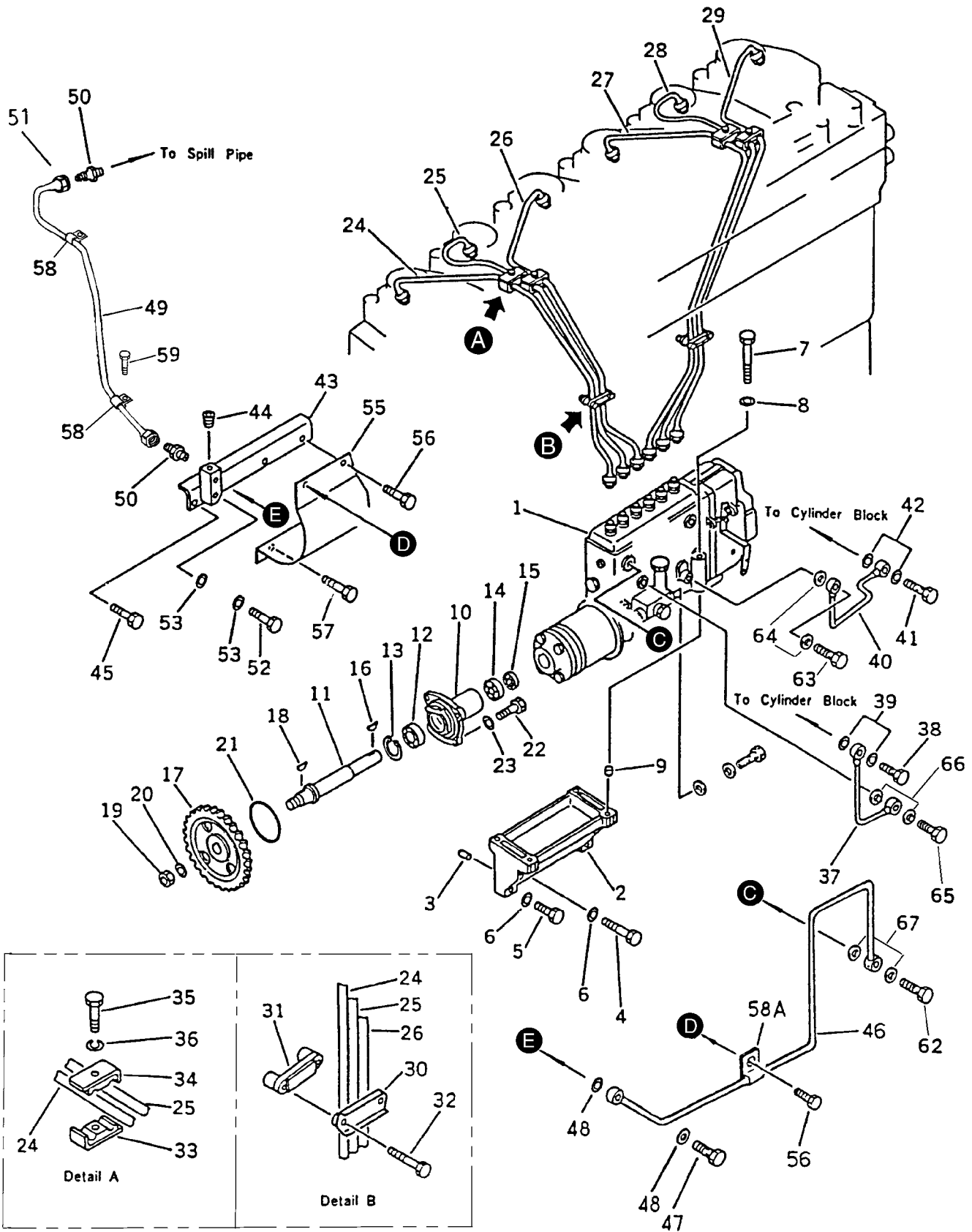


Fig. 401

FUEL SYSTEM

FUEL INJECTION PUMP & PIPING L-M6125

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1		1	Injection Pump Assembly (see Application Chart, next page)	-
2	6151-21-6111	1	Bracket	-
3	04020-01024	2	Dowel Pin	-
4	12-00819	2	Capscrew, Hex Head M10 x 1.5 x 75 mm	-
5	12-00813	2	Capscrew, Hex Head M10 x 1.5 x 45 mm	-
6	01643-31032	4	Washer	-
7	6150-81-9250	4	Bolt	-
8	01641-21016	4	Washer	-
9	6150-41-2430	2	Pin	-
**	6151-71-3100	1	Case Assembly (includes keys 10-15)	-
10	6151-71-3111	1	Case	-
11	6151-71-3120	1	Shaft	-
12	06030-06307	1	Ball Bearing	-
13	04065-08025	1	Snap Ring	-
14	06000-06006	1	Ball Bearing	-
15	6151-71-3150	1	Oil Seal	-
16	6150-71-3160	1	Key	-
17	6152-71-3210	1	Gear	-
18	04010-00519	1	Key	-
19	01583-12414	1	Nut	-
20	01643-32460	1	Washer	-
21	07000-02125	1	O-ring	-
22	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
23	15-00805	4	Flat Washer M10	-
24	6151-71-5110	1	Injection Line No. 1	-
25	6151-71-5120	1	Injection Line No. 2	-
26	6151-71-5130	1	Injection Line No. 3	-
27	6151-71-5140	1	Injection Line No. 4	-
28	6151-71-5150	1	Injection Line No. 5	-
29	6151-71-5160	1	Injection Line No. 6	-
30	6933-71-5510	2	Clamp	-
31	6144-73-5520	2	Clamp	-
32	12-00832	4	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
**	6134-71-5701	4	Clip Assembly (includes keys 33-36)	-
33	6134-71-5721	1	Clip	-
34	6134-71-5711	1	Plate	-
35	01010-50630	1	Bolt	-
36	01602-20619	1	Spring Washer	-
37	6151-71-5610	1	Tube	-
38	07206-30710	1	Joint Bolt	-
39	07005-01012	2	Gasket	-
40	6151-71-5710	1	Tube	-
41	07206-31014	1	Joint Bolt	-
42	07005-01412	2	Gasket	-
43	6151-71-8530	1	Adapter	-
44	07043-00108	1	Plug	-
45	12-00805	2	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
46	6151-71-5340	1	Tube	-
47	07206-31014	1	Joint Bolt	-
48	07005-01412	2	Gasket	-
49	6152-75-5320	1	Tube Assembly, Fuel Return *	-
50	07213-50710	2	Nipple	-
51	21-52203	2	Banjo Fitting 1/4 NPTF	-
52	07206-31014	1	Joint Bolt	-

FUEL SYSTEM

FUEL INJECTION PUMP & PIPING L-M6125, CONTINUED

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
52	07206-31014	1	Joint Bolt	-
53	07005-01412	2	Gasket	-
55	6151-71-3830	1	Cover	-
56	12-00805	2	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
57	12-04400	1	Capscrew, Hex Head M10 x 1.5 x 15 mm	-
58	6710-71-8240	2	Clip *	-
58A	6151-71-5310	1	Clip	-
59	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25 mm *	-
60	DK105217-1490	1	Fuel Feed Pump (see parts detail)	-
61	DK152300-5920	1	Banjo Bolt (not shown)	-
62	DK131424-1520	1	Banjo Bolt with Pressure Relief Valve	-
63	DK134430-3520	1	Banjo Bolt	-
64	07005-01412	2	Sealing Washer	-
65	DK029731-4680	1	Banjo Bolt	-
66	07005-01412	2	Sealing Washer	-
67	6221-71-5750	6	Dust Boot (not shown)	-
			*Note: Items #49-50 & 58-59 replace earlier Hose & Fittings for fuel return.	

**INJECTION PUMP APPLICATION LIST**

Propulsion Engines, Pre-Emissions Compliant through December 1999

6152-71-1631 (Replaced by 6152-71-1622)	up to 400 Hp @ 2200 RPM
6152-71-1632 (Replaced by 6152-71-1633)	up to 400 Hp @ 2200 RPM *
6152-71-1633	up to 400 Hp @ 2200 RPM *
6152-71-1220 (Replaced by 6152-71-1221)	up to 440 Hp @ 2300 RPM
6152-71-1221	up to 500 Hp @ 2300 RPM

Propulsion Engines, Emissions Compliant from January 2000

6152-71-1221	500 Hp @ 2300 RPM
6152-71-1221A	460 Hp @ 2300 RPM
6152-71-1221B	425 Hp @ 2300 RPM
6152-71-1221C	325 Hp @ 2100 RPM

Generator Drive Engines, Pre-Emissions Compliant through December 1999

6152-71-1221	Modified and Calibrated per application - provide serial #
26-54806	Pump & 12 VDC Actuator Assembly - Calibrated per application - provide serial #
26-54804	Pump & 24 VDC Actuator Assembly - Calibrated per application - provide serial #

Generator Drive Engines, Emissions Compliant from January 2000

6152-71-1221D	M6125A	240 kW @ 1800 RPM
6152-71-1221E	M6125H	215 kW @ 1500 RPM
6152-71-1221F	M6125A	185 kW @ 1500 RPM
6152-71-1221G	M6125T	185 kW @ 1800 RPM
6152-71-1221H	M6125T	155 kW @ 1500 RPM

Generator Drive Engines With Injection Pump Mounted Governor Actuator, from January 2000

Part numbers for complete pump and actuator assembly for emissions compliant units are as above (for year 2000 and newer) with suffix 12 or 24 added to designate voltage required. Assemblies have mounting flange stamped: 26-54806 (12 Volt) or 26-54804 (24 Volt).

If there is any question regarding pump and/or actuator applications, contact dealer or factory. Please have unit serial number available.

FUEL SYSTEM

DOUBLE WALL FUEL LINES

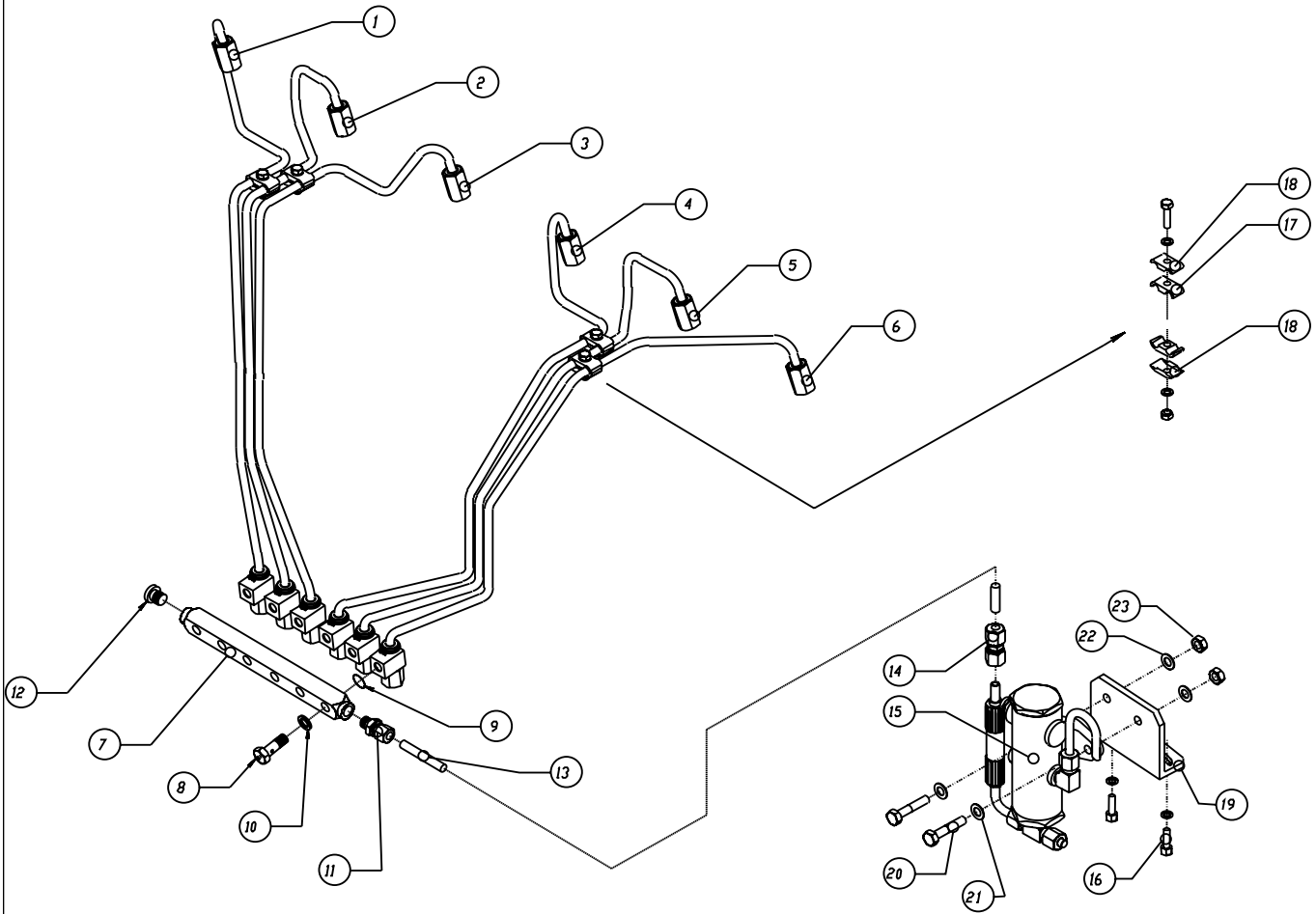


Fig. ST12480/1

## FUEL SYSTEM

## DOUBLE WALL FUEL LINES

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-54811	1	Injection Line #1, Double Wall	-
2	27-54812	1	Injection Line #2, Double Wall	-
3	27-54813	1	Injection Line #3, Double Wall	-
4	27-54814	1	Injection Line #4, Double Wall	-
5	27-54815	1	Injection Line #5, Double Wall	-
6	27-54816	1	Injection Line #6, Double Wall	-
7	10-54801	1	Drain Manifold	-
8	21-55707	6	Banjo Bolt	-
9	16-55701	6	O-ring	-
10	15-55701	6	Banjo Washer	-
11	21-55006	1	Adapter	-
12	21-55004	1	Plug	-
13	18-54808	1	Hose Assembly, 1/4" ID x 22"	-
14	21-55703	1	Union, Steel	-
15	10-50002	1	Alarm Tank Assembly	-
16	12-00832	2	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
17	19-54801	4	Tube Clamp Cushion	-
18	19-54802	8	Tube Clamp, Outer 1/2	-
19	23-54807	1	Bracket, Alarm Tank Mounting	-
20	12-00712	2	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
21	15-00701	2	Flat Washer M8	-
22	15-00707	2	Wave Washer M8	-
23	14-00711	2	Hex Nut M8 x 1.25	-

INJECTOR & RETURN LINE L-M6125

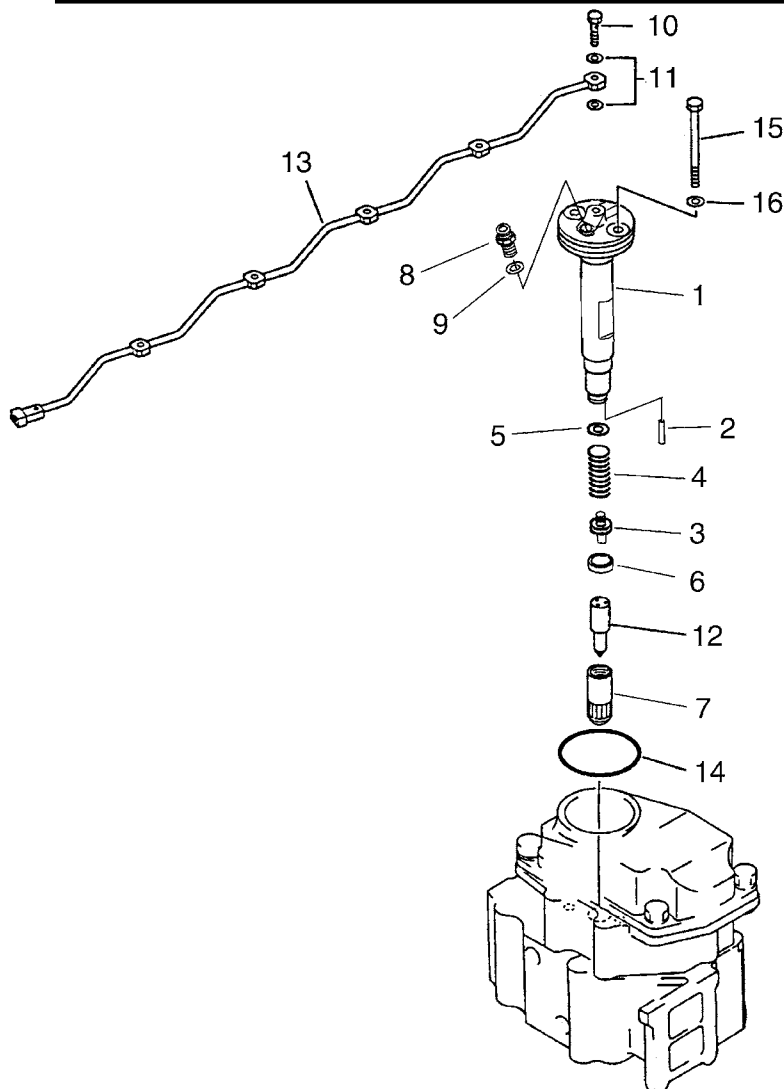


Fig. 421

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6152-11-3100	6	Injector 400 Hp (includes keys 2- 9, and 12)	-
1	105041-7030	1	Nozzle Holder (marked 7030A)	-
2		2	Pin *	-
3		1	Push Rod *	-
4		1	Nozzle Spring *	-
5		**	Shim *	-
6		1	Spacer *	-
7	DK150650-8400	1	Retaining Nut	-
8	DK150645-6800	1	Inlet Connector	-
9	DK029300-5070	1	Gasket	-
10	6127-11-3152	1	Eye Bolt	-
11	07005-00812	2	Gasket	-
12	6152-11-3120	1	Nozzle - 400 Hp (Marked NP-DLL160SN538)	-
13	6150-71-5330	1	Fuel Return Tube	-
14	07000-65065	6	O-ring	-
15	01011-51045	12	Bolt	-
16	07005-01012	12	Gasket	-
			* See Zexel Service Shop	
			** As required	



FUEL SYSTEM

INJECTOR & RETURN LINE L-M6125

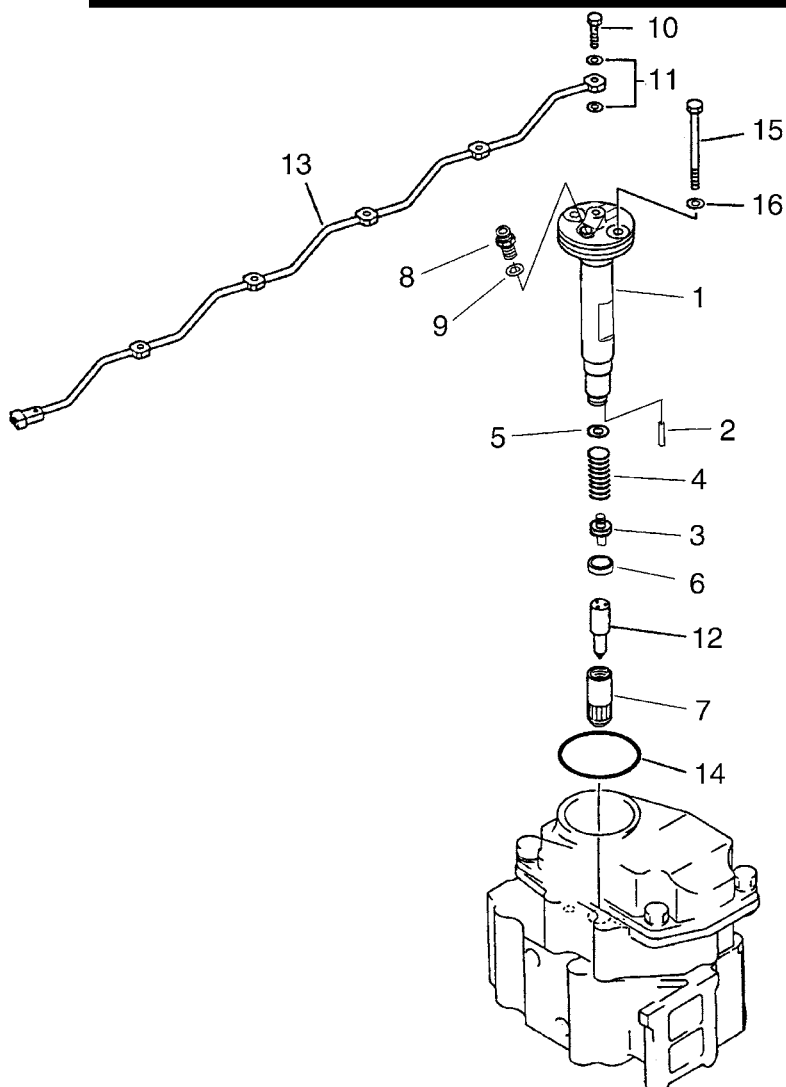


Fig. 421

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6152-11-3600	6	Injector 440 to 500 Hp (includes keys 2- 9, and 12)	-
1	6151-11-3110	1	Nozzle Holder (marked 7080F)	-
2		2	Pin *	-
3		1	Push Rod *	-
4		1	Nozzle Spring *	-
5		**	Shim *	-
6		1	Spacer *	-
7	DK150650-9400	1	Retaining Nut	-
8	DK150645-6800	1	Inlet Connector	-
9	DK029300-5070	1	Gasket	-
10	6127-11-3152	1	Eye Bolt	-
11	07005-00812	2	Gasket	-
12	6152-11-3620	1	Nozzle - 440 / 460 / 490 / 500 Hp (Marked DLLA155SN760)	-
13	6150-71-5330	1	Fuel Return Tube	-
14	07000-65065	6	O-ring	-
15	01011-51045	12	Bolt	-
16	07005-01012	12	Gasket	-
			*See Zexel Service Shop	
			**As required	

FUEL SYSTEM

INJECTOR & RETURN LINE L-M6125T-A @ 1500 RPM

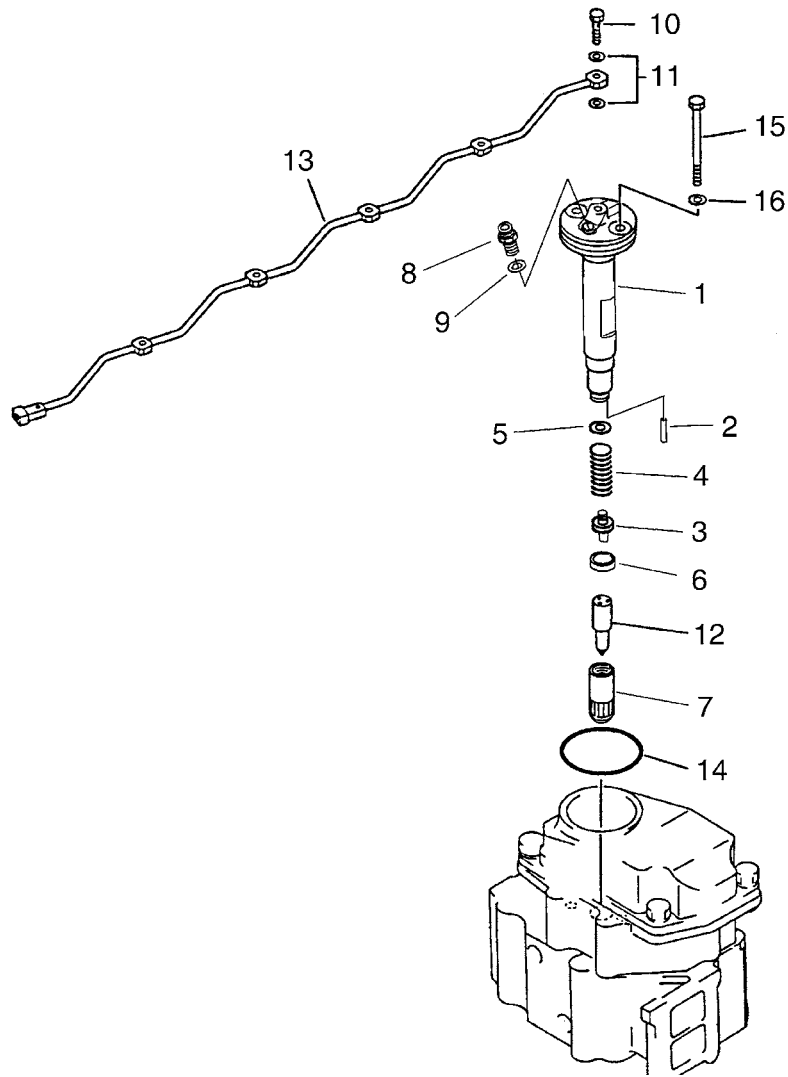


Fig. 421

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	26-54809	6	Injector (includes keys 2- 9 and 12)	-
1	6150-11-3111	1	Nozzle Holder (marked 2710)	-
2		2	Pin *	-
3		1	Push Rod *	-
4		1	Nozzle Spring *	-
5		**	Shim *	-
6		1	Spacer *	-
7	ND093164-1120	1	Retaining Nut	-
8	DK150645-6800	1	Inlet Connector	-
9	DK029300-5070	1	Gasket	-
10	6127-11-3152	1	Eye Bolt	-
11	07005-00812	2	Gasket	-
12	6150-11-3120	1	Nozzle (Marked DLLA155SND160)	-
13	6150-71-5330	1	Fuel Return Tube	-
14	07000-65065	6	O-ring	-
15	01011-51045	12	Bolt	-
16	07005-01012	12	Gasket	-
			*See Nippon Denso Service Shop	
			**As required	

NOTES

FUEL FILTER & PIPING L-M6125

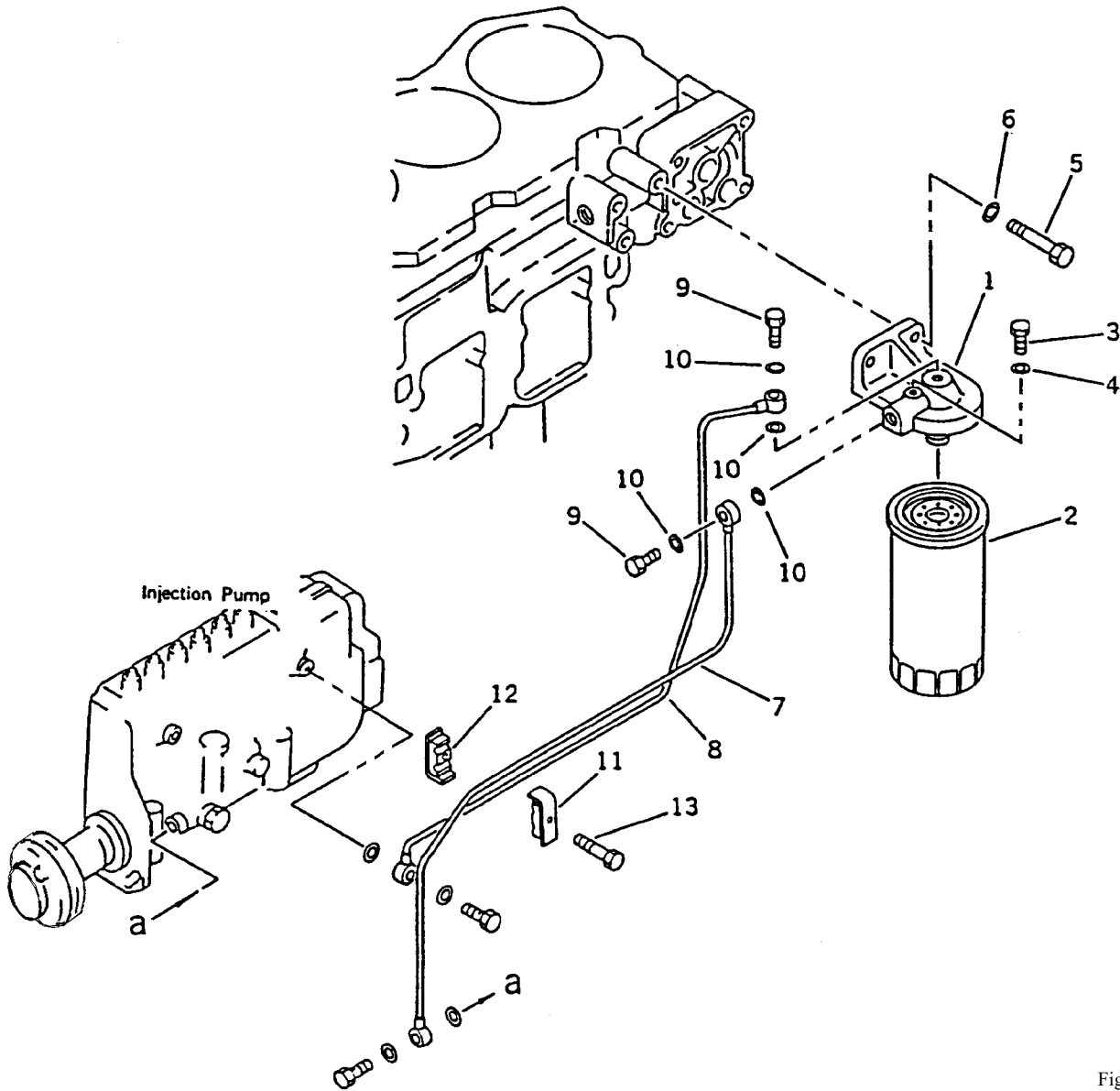
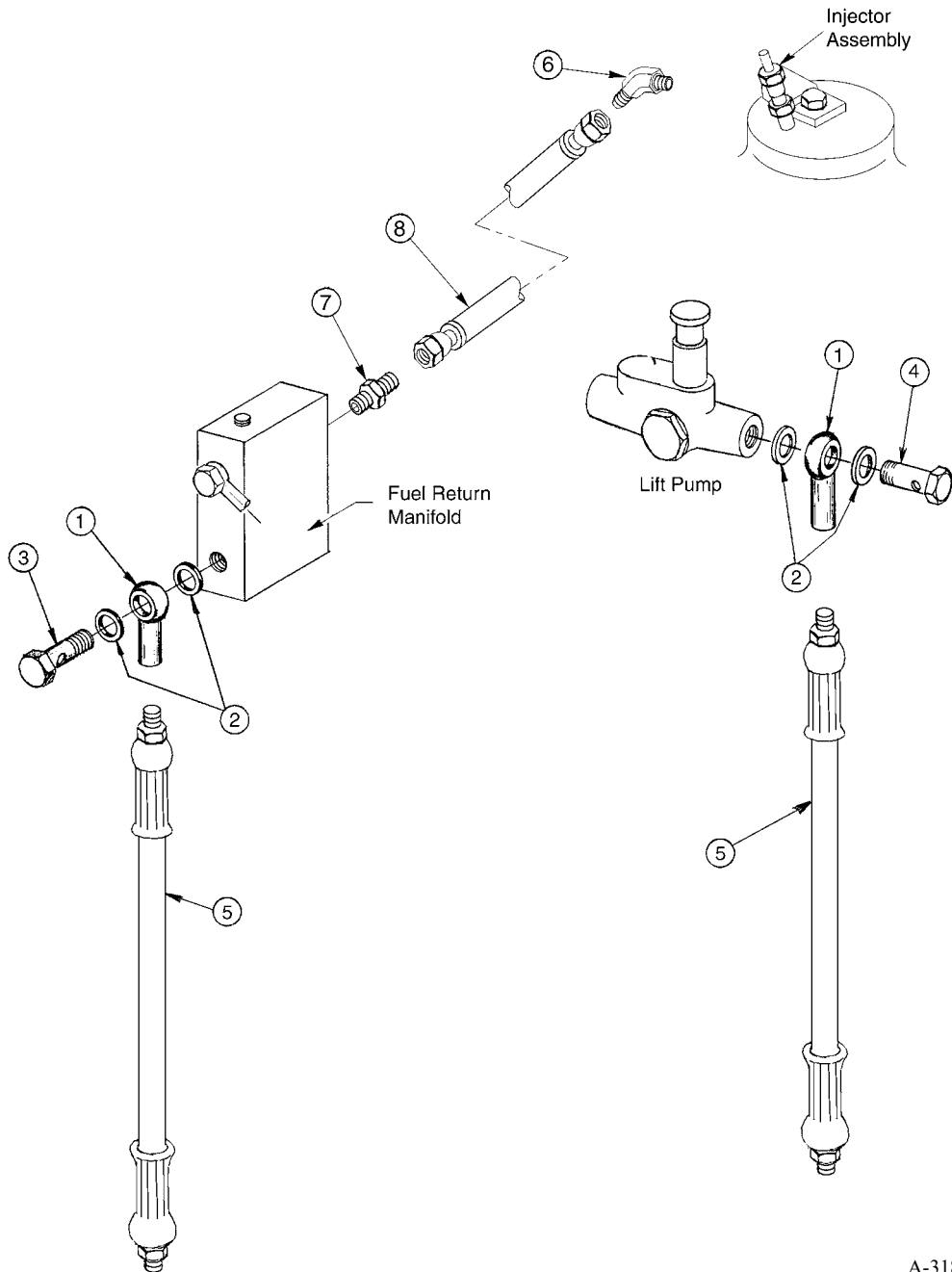


Fig. 412

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6114-71-6200	1	Fuel Filter Assembly (includes keys 1-13)	-
1	6114-71-6210	1	Bracket	-
2	24-54808	1	Fuel Filter	-
3	6110-73-6231	1	Plug	-
4	07005-00812	1	Gasket	-
5	12-00051	2	Capscrew, Hex Head M10 x 1.5 x 90 mm	-
6	15-00805	2	Flat Washer M10	-
7	6151-71-5320	1	Tube	-
8	6151-71-5330	1	Tube	-
9	07206-31014	2	Joint Bolt	-
10	07005-01412	4	Gasket	-
	6151-71-5370	1	Clip Assembly (includes keys 11-13)	-
11	6151-71-5380	1	Clip	-
12	6151-71-5390	1	Clip	-
13	12-00031	1	Capscrew, Hex Head M6 x 1.0 x 25 mm	-

FUEL SYSTEM

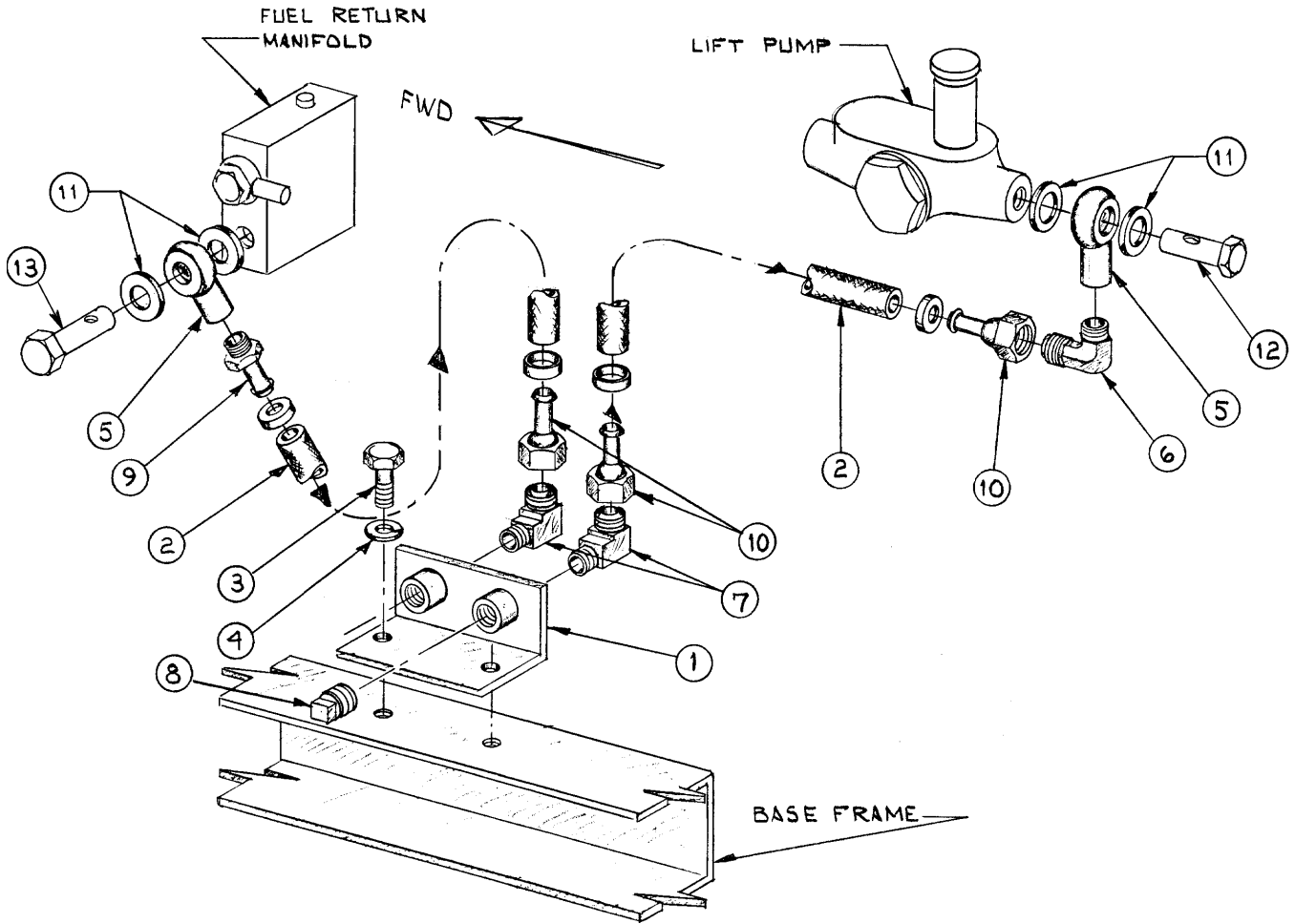
**FLEXIBLE FUEL SUPPLY & RETURN LINES L6125**



A-3184D/ B-2748C

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	21-52203	2	Banjo Fitting	-
2	07005-01412	4	Sealing Washer	-
3	07206-31014	1	Banjo Bolt	-
4	DK152300-5920	1	Banjo Bolt	-
5	18-54802	2	Hose Assembly 1/4 x 10" Flex	-
6	21-54801	1	Male Brass Connector 45° 1/8 NPT x 1/4-45T (replaced, see below)*	-
7	21-52204	1	Male Connector 1/8 NPT x 1/4-45T (replaced, see below)*	-
8	18-54802	2	Hose Assembly 1/4 x 10" Flex (replaced, see below)*	-
<p>*Note: Keys 6, 7, and 8 have been replaced by:                      1 ea. 6151-71-5360 Tube                      2 ea. 07213-50710 Nipple</p>				

PUSH-ON FUEL LINE CONNECTIONS M6125

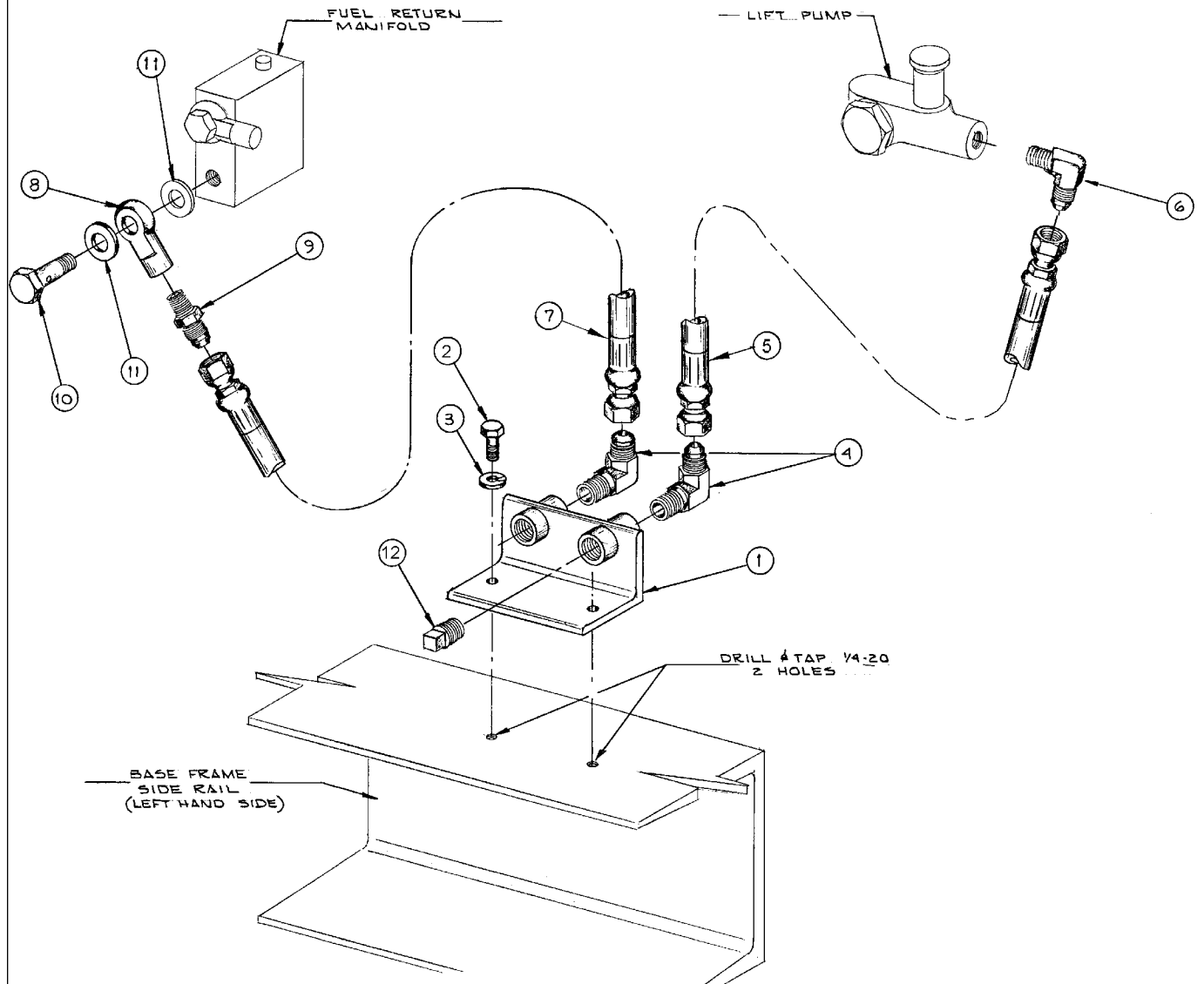


A-2991B/ B-2822

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-51098	1	Fuel Manifold	-
2	18-54803	2	Hose 3/8" ID x 21"	-
3	12-00111	2	Capscrew, Hex Head 1/4-20 x 3/4"	-
4	15-00102	2	Lock Washer 1/4	-
5	21-52203	2	Banjo Fitting	-
6	21-52620	1	Male Elbow 90° Brass 1/4 NPT x 3/8-45T	-
7	21-01015	2	Male Elbow 90° Brass 3/8 NPT x 3/8-45T	-
8	21-00045	2	Plug 3/8 NPT (for shipping)	-
9	21-71030	1	Male Connection, Brass 1/4 NPT x 3/8 HB	-
10	21-71032	3	Female Swivel, Brass 3/8 HB x 3/8-45T	-
11	07005-01412	4	Sealing Washer	-
12	DK152300-5920	1	Banjo Bolt	-
13	07206-31014	1	Banjo Bolt	-

FUEL SYSTEM

U.S. COAST GUARD FUEL LINE CONNECTION M6125



A-7106, A-3639A / B-2597A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-51098	1	Fuel Manifold	-
2	12-00030	2	Capscrew, Hex Head M6 x 1.0 x 16 mm	-
3	12-01132	2	Lock Washer M6	-
4	21-00606	2	Male Elbow 90° Steel 3/8 NPT x 3/8-37T	-
5	18-67103	**	Hose Assembly 3/8" ID x 22"	-
	18-54806	**	Hose Assembly 3/8" ID x 24"	-
6	21-54901	1	Male Elbow 90° Steel M14 x 1.5 x 3/8 -37T	-
7	18-54805	1	Hose Assembly 3/8" x 21"	-
8	21-52203	1	Banjo Fitting	-
9	21-00612	1	Male Connection, Steel 1/4 NPT x 3/8 -37T	-
10	07206-31014	1	Banjo Bolt	-
11	07005-01412	2	Sealing Washer	-
12	21-00045	2	Plug, Plastic (for shipping)	-
			**As required	

FUEL FEED PUMP ASSEMBLY

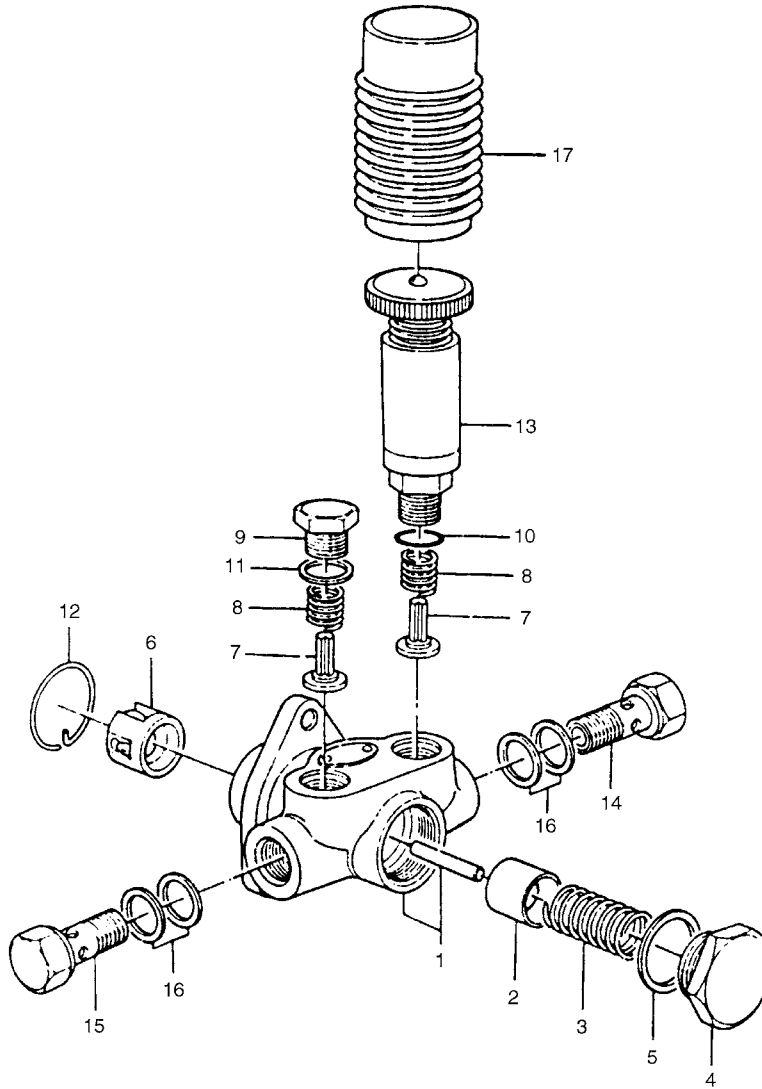


Fig. 105217-1490

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	DK105217-1490	1	Feed Pump Assembly (includes all keys)	-
1	152004-1620	1	Fuel Pump Housing	-
2	152100-1120	1	Piston	-
3	152101-1600	1	Spring	-
4	152105-0200	1	Plug	-
5	029332-6030	1	Gasket	-
6	152111-4020	1	Tappet	-
7	152115-0500	2	Valve	-
8	152116-0200	2	Spring	-
9	152117-0400	1	Plug	-
10	029631-6060	1	O-ring	-
11	029331-6030	1	Gasket	-
12	152121-0200	1	Snap Ring	-
13	152200-5320	1	Priming Pump	-
14	152300-5920	1	Eye Bolt	-
15	029731-4680	1	Eye Bolt	-
16	029341-4130	4	Gasket	-
17	152320-0100	1	Cover	-



INJECTION PUMP COUPLING L-M6125

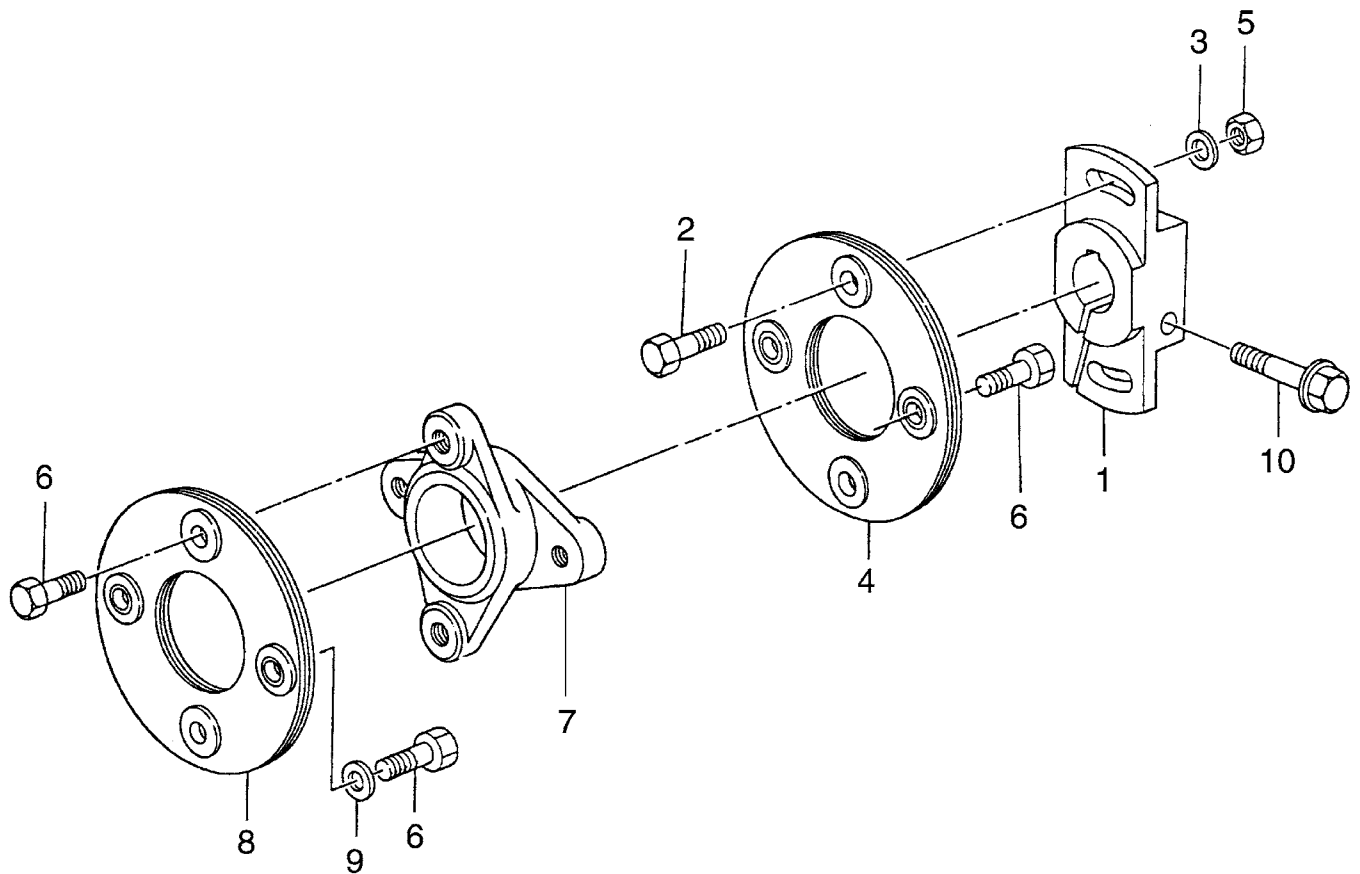
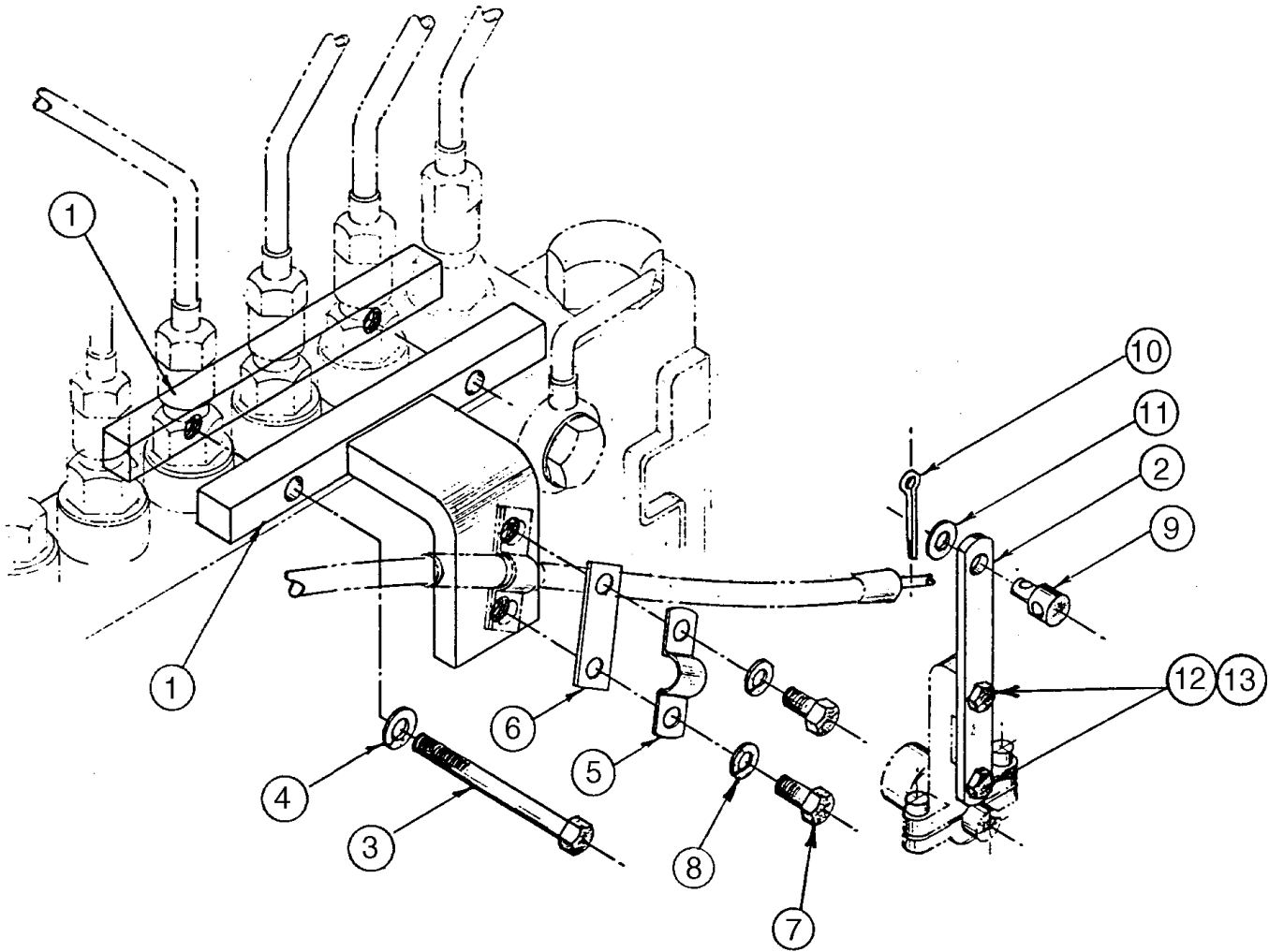


Fig. 105663-0360

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	DK105663-0360	1	Coupling Assembly (includes all keys)	-
1	DK156630-6400	1	Coupling	-
2	DK156633-8200	2	Bolt	-
3	DK156615-2800	2	Washer	-
4	DK156605-5320	1	Plate	-
5	DK156617-2100	2	Hex Nut M10 x 1.5	-
6	DK156633-3300	6	Bolt	-
7	DK156609-6300	1	Cross Coupling	-
8	DK156605-5420	1	Plate	-
9	DK156615-1600	2	Washer	-
10	DK156633-8400	1	Capscrew, Hex Head Flanged M12 x 1.75 x 50 mm	-

THROTTLE ASSEMBLY L6125



A-3103/ B-2946

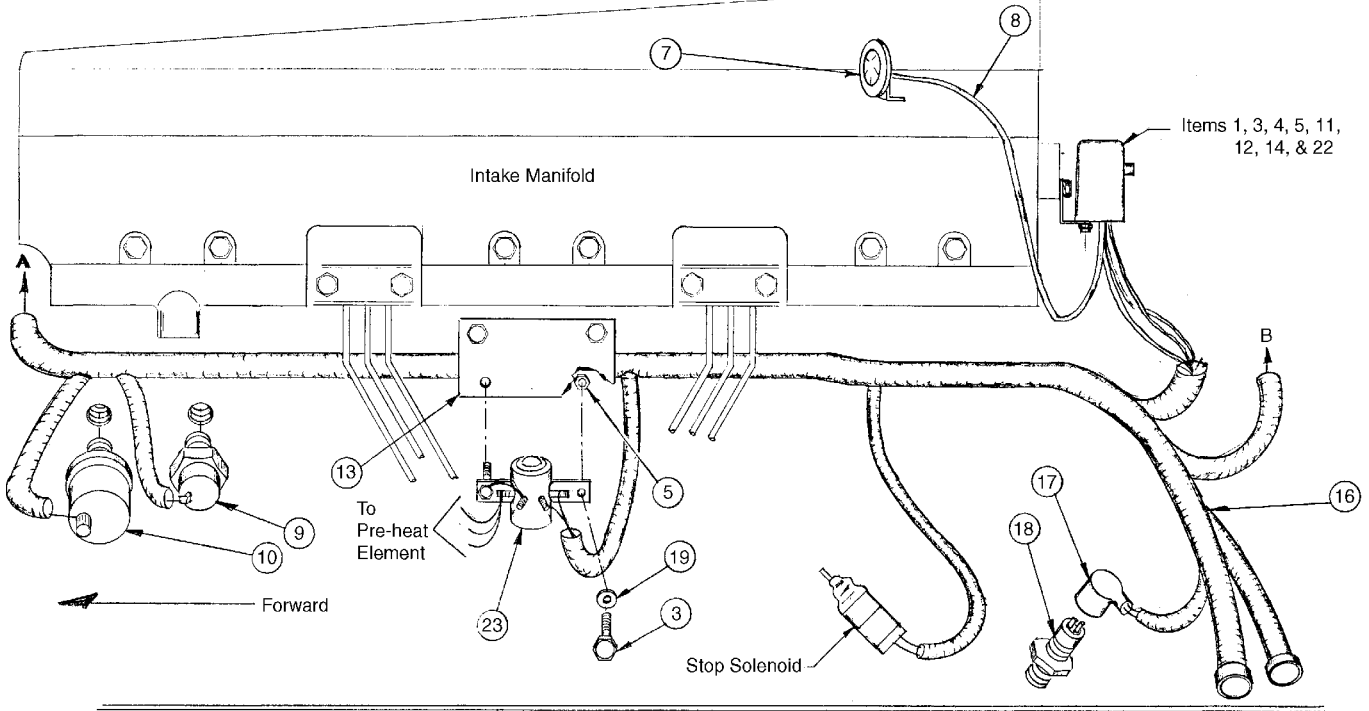
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-94804	1	Throttle Bracket	-
2	23-94803	1	Throttle Lever	-
3	12-00066	2	Capscrew, Socket Head M6 x 1.0 x 45 mm	-
4	15-01132	2	Lock Washer M6	-
5	23-91001	1	Clamp	-
6	23-91002	1	Shim	-
7	12-04405	2	Capscrew, Hex Head M5 x 0.8 x 20 mm	-
8	15-04400	2	Lock Washer M5	-
9	23-91003	1	Pivot	-
10	00-54801	1	Cotter Pin	-
11	15-01134	2	Washer M6 S/S	-
12	12-00030	2	Capscrew, Hex Head M6 x 1.0 x 15 mm	-
13	15-01132	2	Lock Washer M6	-

NOTES

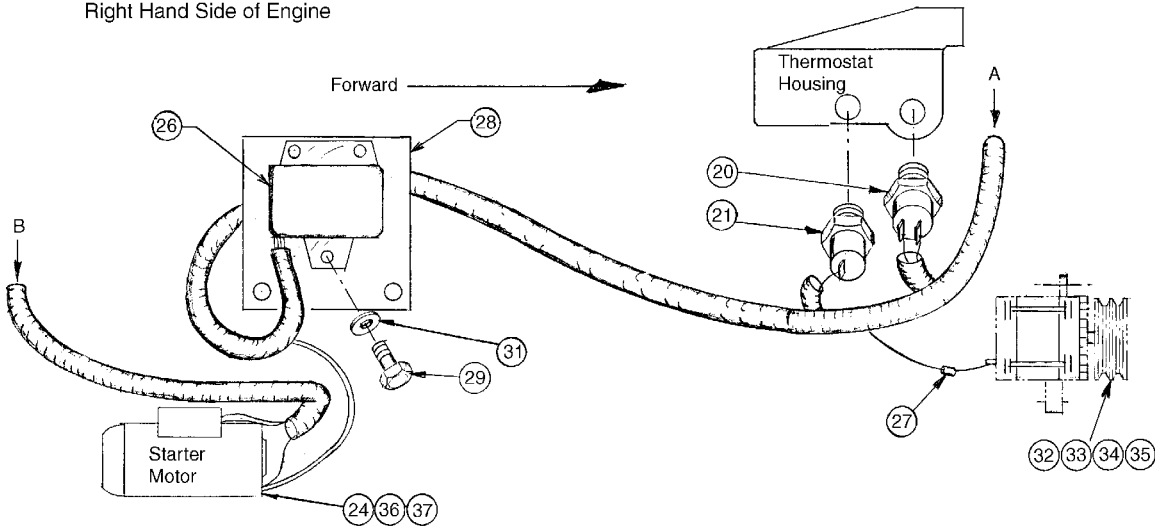
ELECTRICAL SYSTEM

12 VOLT ENGINE ELECTRICAL - EARLY PRODUCTION

Left Hand Side of Engine



Right Hand Side of Engine



A-2269/ C-1816

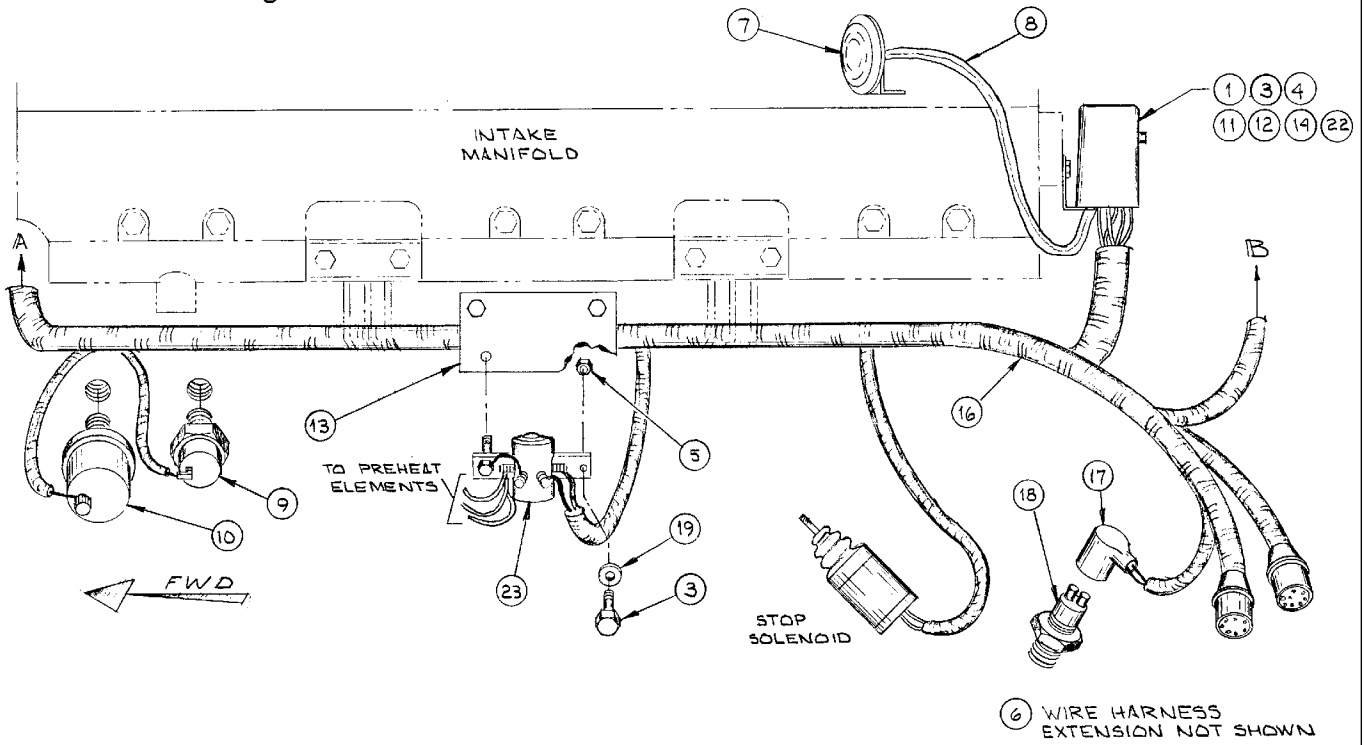
## ELECTRICAL SYSTEM

## 12 VOLT ENGINE ELECTRICAL - EARLY PRODUCTION

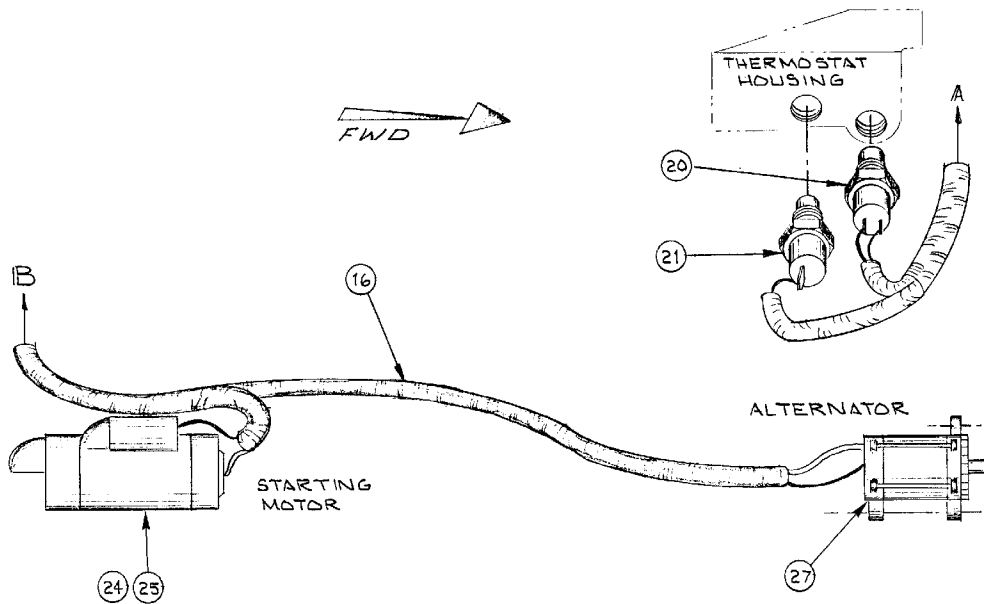
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	12-00015	2	Machine Screw, Pan Head #10 - 32 x 3/8"	-
3	12-00111	4	Capscrew, Hex Head 1/4 - 20 x 3/4"	-
4	15-00802	2	Lock Washer M10	-
5	14-00112	4	Nylock Nut 1/4- 20	-
6	22-41002	1	Wire Harness Extension 20' (not shown)	-
7	22-41007	1	Warning Horn, 12 Volt DC	-
8	22-41009	1	Horn Wire 14 - 2 x 6'	-
9	22-41015	1	Oil Pressure Switch	-
10	22-41016	1	Oil Pressure Sender, Single Station	-
	22-44872	1	Oil Pressure Sender, Dual Station	-
11		1	Circuit Breaker and Relay Assembly (see parts detail)	-
12	12-00030	2	Capscrew, Hex Head M10 x 1.5 x 15 mm	-
13	23-44801	1	Pre-heat Relay Bracket	-
14	23-44806	1	Circuit Breaker and Relay Mounting Bracket	-
15	22-44804	1	Sea Dog Instrument Panel (see parts detail)	-
16	22-44811	1	Wire Harness Assembly (includes key 11)	-
17	22-44813	1	Magnetic Pick-up Boot	-
18	22-44812	1	Magnetic Pick-up	-
19	15-00111	2	Flat Washer 1/4"	-
20	22-44810	1	Engine Temperature Sender	-
21	22-41025	1	Engine Temperature Switch	-
22	00-44801	1	Circuit Breaker and Relay Cover	-
23	22-41080	1	Pre-heat Relay	-
24	22-44803	1	12 Volt Starter (see parts detail)	-
25		1	Stop Solenoid Assembly (see parts detail)	-
26	5-141	1	Voltage Regulator	-
27	22-41060	1	6 Amp Diode, 100V PIV	-
28	23-44804	1	Regulator Mounting Bracket	-
29	12-00030	3	Capscrew, Hex Head M6 x 1.0 x 15 mm	-
31	15-01132	3	Lock Washer M6	-
32	10-134	1	Alternator, 12 Volt 72 Amp (see parts detail)	-
33	31-44800	1	Alternator Adapter (not shown)	-
34	12-34803	4	Adapter Mounting Capscrew, Hex Head M10 x 1.5 x 25 mm	-
35	15-00803	4	Adapter Mounting Lock Washer M10	-
36	12-01500	3	Starter Mounting Capscrew, Hex Head m16 x 2.0 x 40 mm	-
37	15-01000	3	Starter Mounting Lock Washer M16	-

24 VOLT ENGINE ELECTRICAL - EARLY PRODUCTION

Left Side of Engine



Right Side of Engine



A-2335/ C-1759

## ELECTRICAL SYSTEM

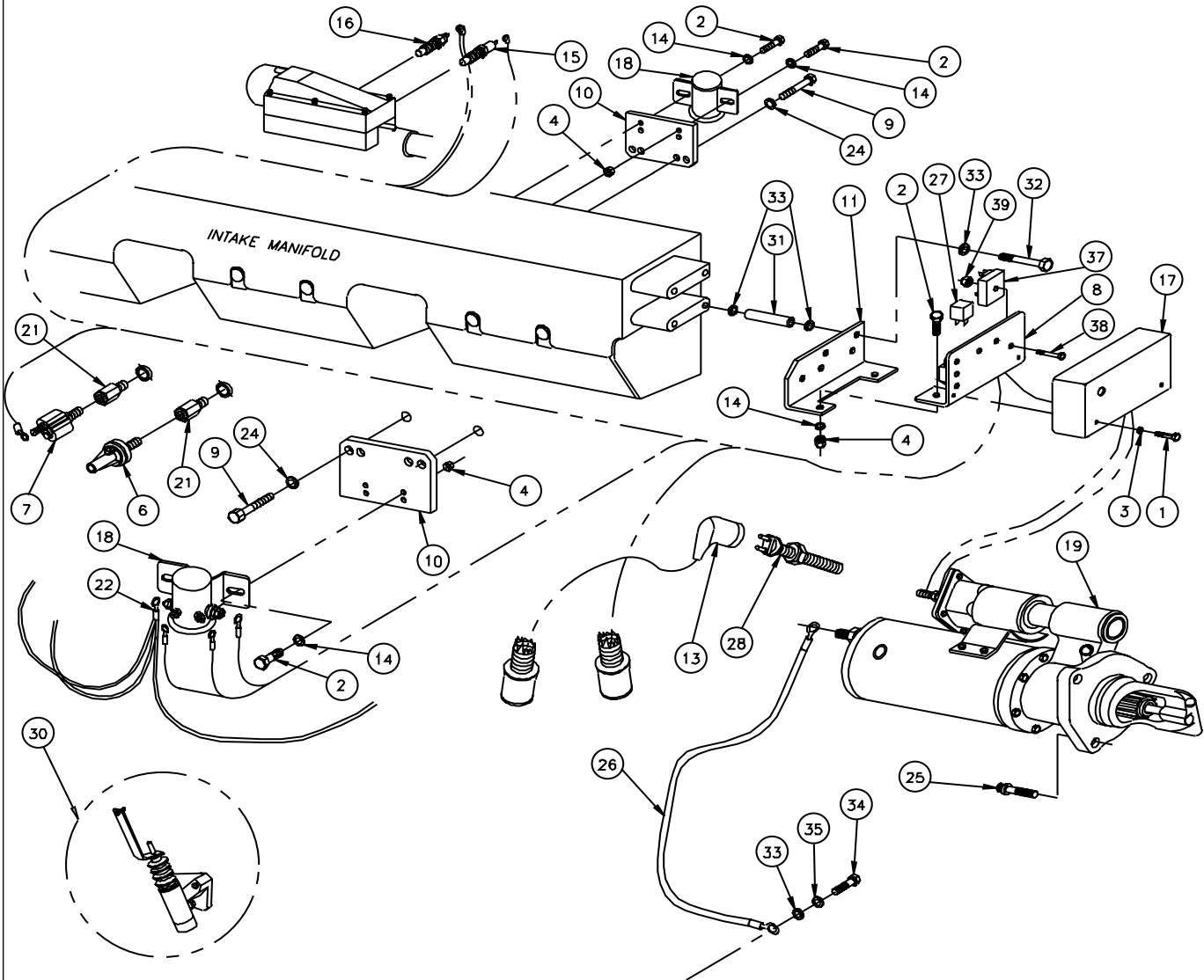
## 24 VOLT ENGINE ELECTRICAL - EARLY PRODUCTION

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	12-00015	2	Machine Screw, Pan Head #10 - 32 x 3/8"	-
3	12-00111	4	Capscrew, Hex Head 1/4 - 20 x 3/4"	-
4	15-00802	2	Lock Washer M10	-
5	14-00112	4	Nylock Nut 1/4- 20	-
6	22-41002	1	Wire Harness Extension 20' (not shown)	-
7	22-40933	1	12 Volt DC Warning Horn	-
8	22-41009	1	Horn Wire 14 - 2 x 6'	-
9	22-41015	1	Oil Pressure Switch	-
10	22-41016	1	Oil Pressure Sender, Single Station	-
	22-44872	1	Oil Pressure Sender, Dual Station	-
11		1	Circuit Breaker and Relay Assembly (see parts detail)	-
12	12-04400	2	Capscrew, Hex Head M10 x 1.5 x 15 mm	-
13	23-44801	1	Pre-heat Relay Bracket	-
14	23-44806	1	Circuit Breaker and Relay Mounting Bracket	-
15	22-44806	1	Sea Dog Instrument Panel (see parts detail)	-
16	22-44818	1	Wire Harness Assembly (includes key 11)	-
17	22-44813	1	Magnetic Pick-up Boot	-
18	22-44812	1	Magnetic Pick-up	-
19	15-00111	2	Flat Washer 1/4"	-
20	22-44810	1	Engine Temperature Sender	-
21	22-41025	1	Engine Temperature Switch	-
22	00-44801	1	Circuit Breaker and Relay Cover	-
23	22-41079	1	24 Volt DC Pre-heat Relay	-
24	600-813-3630	1	24 Volt Starter (formerly #600-813-3530)	-
25	12-01500	3	Starter Mounting Capscrew, Hex Head M16 x 2.0 x 40 mm	-
26	15-01000	3	Starter Mounting Lock Washer M16 (not shown)	-
27	600-821-6150	1	Alternator 24 Volt 25 Amp (see mounting detail)	-

ELECTRICAL SYSTEM

12 & 24 VOLT ENGINE ELECTRICAL - STANDARD GROUND

L6125 Propulsion Units



A-3896, A-3903 / D-2616



## ELECTRICAL SYSTEM

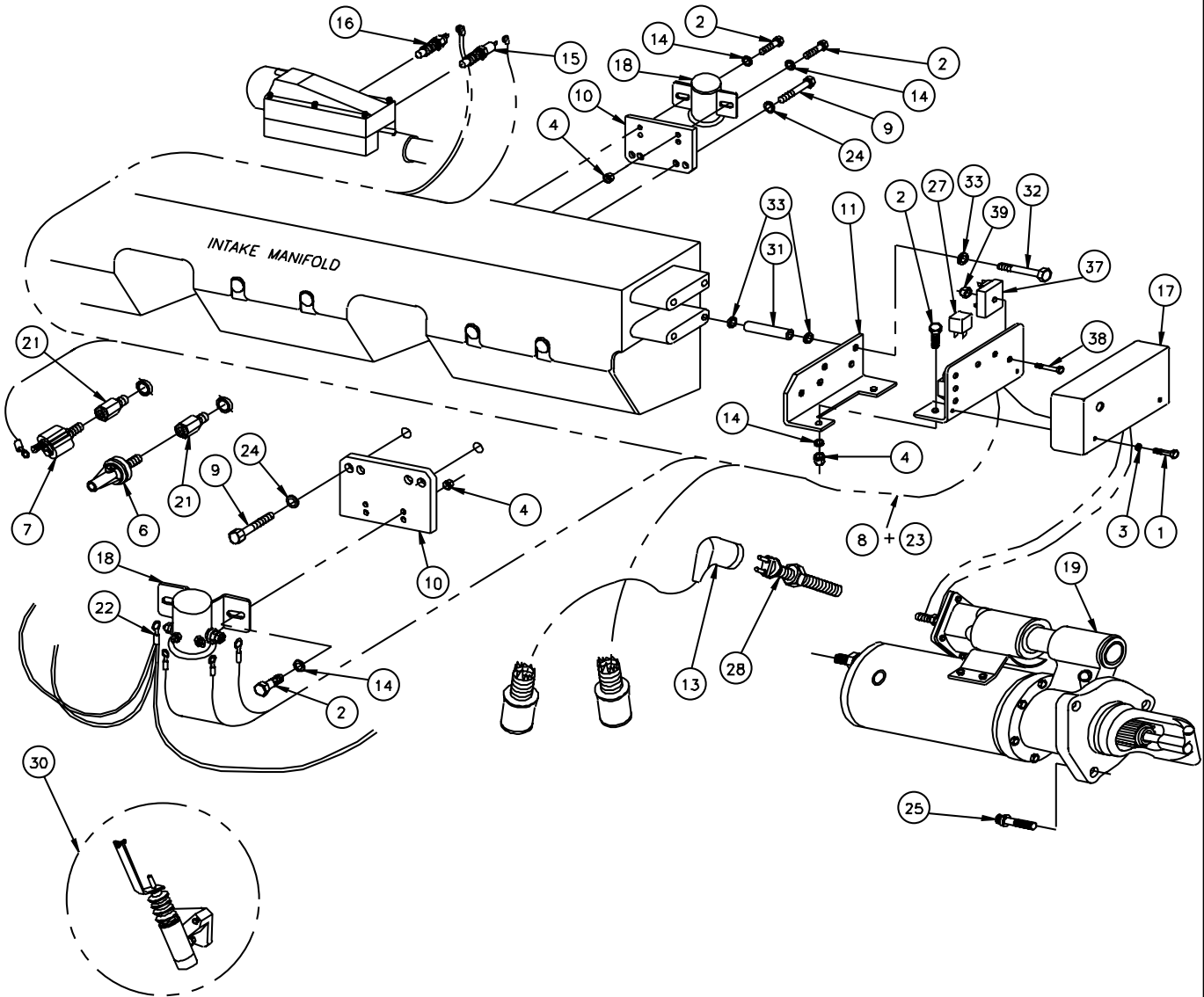
## 12 &amp; 24 VOLT ENGINE ELECTRICAL - STANDARD GROUND

## L6125 Propulsion Units

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	12-00015	2	Machine Screw, BH Slotted #10 - 32 x 3/8"	-
2	12-00111	6	Capscrew, Hex Head 1/4 - 20 x 3/4"	-
3	15-00032	2	Flat Washer #10	-
4	14-00112	4	Nylock Nut 1/4- 20	-
5	22-41002	1	Wire Harness Extension 20' (not shown)	-
6	22-40233	1	Oil Pressure Switch	-
7	22-44871	1	Pressure Sender 0-150 PSI (Standard Ground Single Station)	-
	22-44872	1	Pressure Sender 0-150 PSI (Standard Ground Dual Station)	-
8		1	Engine Wire Harness & Relay Panel Assembly (see parts detail)	-
9	12-00817	2	Capscrew, Hex Head M10 x 1.5 x 55 mm	-
10	23-44801	2	Bracket, Preheat & Start Relay Mtg.	-
11	23-44836	1	Bracket, Circuit Breaker & Relay (formerly #23-44806)	-
12		1	Main Instrument Panel, 12 Volt (see parts detail)	-
		1	Main Instrument Panel, 24 Volt (see parts detail)	-
13	23-44813	**	Rubber boot	-
14	15-00111	6	Flat Washer 1/4"	-
15	22-44810	1	Temperature Sender 250°F 3/8 NPT (Isolated Ground Single Station)	-
	22-74802	1	Temperature Sender 250°F 1/4 NPT (Isolated Ground Dual Station)	-
16	22-41025	1	Temperature Switch	-
17	00-44801	1	Cover, Circuit Breaker & Relays	-
18	22-41080	2	Solenoid 12 Volt DC 65 Amp	-
	22-41079	2	Solenoid 24 Volt DC 65 Amp	-
19	22-44803	1	Starter 12 Volt	-
	22-44830	1	Starter 24 Volt	-
20	21-76801	1	Female Adapter, Steel 1/8 NPT x M10 x 1.25 (not shown)	-
21	6151-21-1230	2	Adapter 1/8 BSPT x 1/8 NPT	-
22	22-44866	1	Wire Harness, Preheat Relay (formerly #22-44828)	-
24	15-00802	2	Lock Washer M10	-
25	12-45001	3	Capscrew, 12 Point M16 x 2.0 x 40 mm	-
26	22-44829	1	Ground Cable 1/0 x 12" 3/8" x 1/2"	-
27	22-42047	**	Relay, SPDT 12 Volt DC 50 Amp	-
	22-40085	**	Relay, SPDT 24 Volt DC 20 Amp	-
28	22-40440	1	Magnetic Sender Kit (formerly #22-44812)	-
30		1	Stop Solenoid Kit 12 Volt (see parts detail)	-
		1	Stop Solenoid Kit 24 Volt (see parts detail)	-
31	21-41903	2	Spacer	-
32	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
33	15-74802	7	Star Washer	-
34	12-04400	1	Capscrew, Hex Head M10 x 1.5 x 16 mm	-
35	15-00805	1	Flat Washer M10	-
37	22-40407	**	Shutdown Timer 12 Volt	-
	22-40408	**	Shutdown Timer 24 Volt	-
38	12-03012	1	Machine Screw, Flathead Countersunk #10- 32 x 1-1/4"	-
39	14-00032	1	Hex Nut, Nylock #10- 32	-
			**As required	

12 & 24 VOLT ENGINE ELECTRICAL - ISOLATED GROUND

L6125 Propulsion Units



A-6688E, A-6742E / D-3563

## ELECTRICAL SYSTEM

## 12 &amp; 24 VOLT ENGINE ELECTRICAL - ISOLATED GROUND

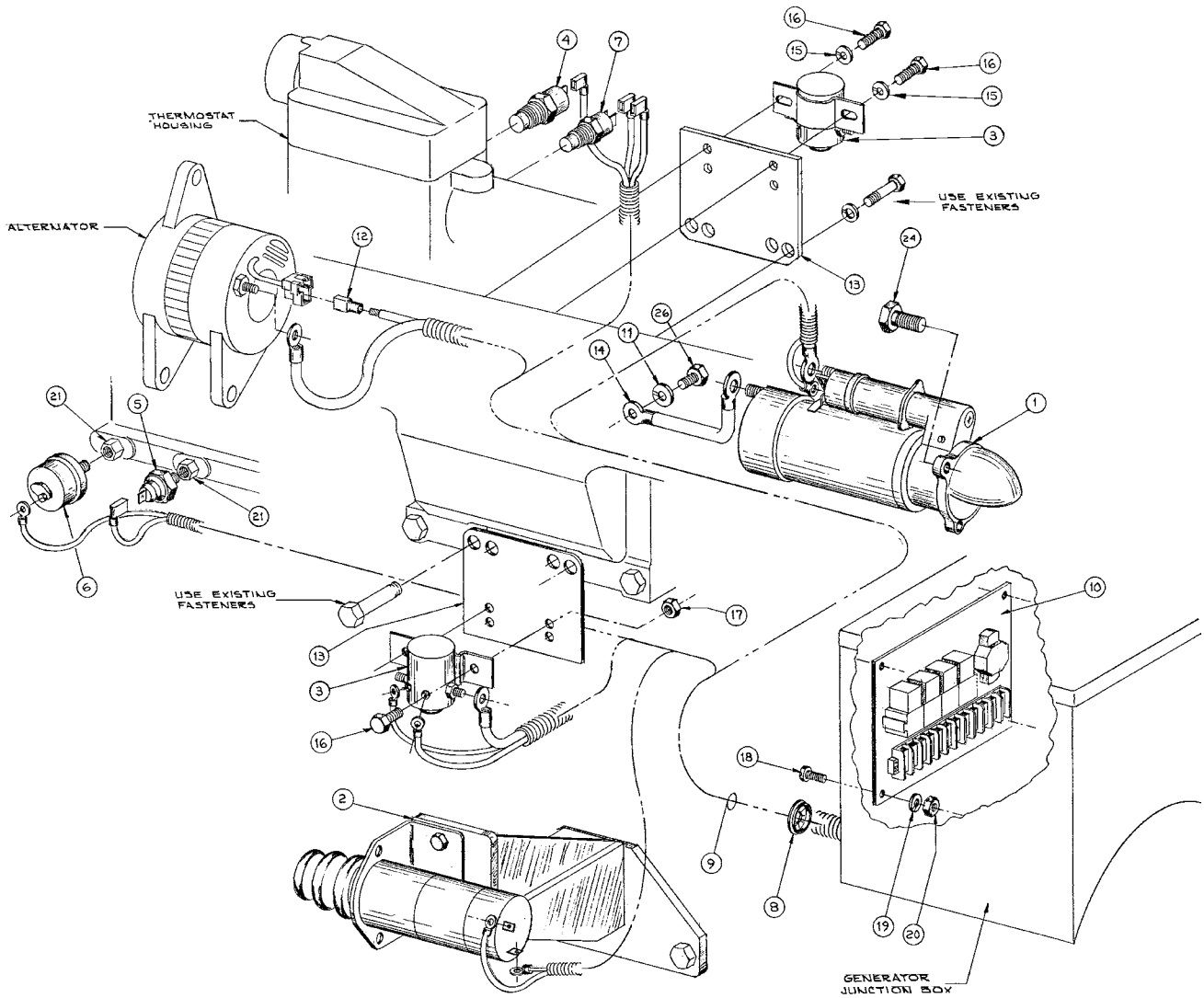
## L6125 Propulsion Units

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	12-00015	2	Machine Screw, Pan Head #10 - 32 x 3/8"	-
2	12-00111	6	Capscrew, Hex Head 1/4 - 20 x 3/4"	-
3	15-00032	2	Flat Washer #10	-
4	14-00112	6	Hex Nut, Nylock 1/4- 20	-
5	22-41002	1	Wire Harness Extension 20' (not shown)	-
6	22-40236	1	Oil Pressure Switch 15 PSI	-
7	22-40201	1	Pressure Sender 0-150 PSI (Isolated Ground Single Station)	-
	22-40108	1	Pressure Sender 0-150 PSI (Isolated Ground Dual Station)	-
8		1	Engine Wire Harness & Relay Panel Assembly (see parts detail)	-
9	12-00817	2	Capscrew, Hex Head M10 x 1.5 x 55 mm	-
10	23-44801	2	Bracket, Preheat & Start Relay Mtg.	-
11	23-44806	1	Bracket, Circuit Breaker & Relay	-
12		1	Main Instrument Panel 12 Volt (see parts detail)	-
		1	Main Instrument Panel 24 Volt (see parts detail)	-
13	22-44813	**	Rubber Boot	-
14	15-00111	6	Flat Washer 1/4"	-
15	22-44810	1	Temperature Sender 250°F, 3/8 NPT (Isolated Ground Single Station)	-
	22-74802	1	Temperature Sender 250°F 1/4 NPT (Isolated Ground Dual Station)	-
16	22-40906	1	Water Temperature Switch 210°F	-
17	00-44801	1	Cover, Circuit Breaker & Relays	-
18	22-41080	2	Solenoid 12 Volt DC 65 Amp	-
	22-41079	2	Solenoid 24 Volt DC 65 Amp	-
19	22-44849	1	Starter 12 Volt (formerly #22-44803)	-
	22-44864	1	Starter 24 Volt (formerly #22-44830)	-
20	21-76801	1	Female Adapter, Steel 1/8 NPT x M10 x 1.25 (not shown)	-
21	6151-21-1230	**	Adapter, 1/8 BSPT x 1/8 NPT	-
22	22-44866	1	Wire Harness (formerly #22-44828)	-
23	22-44868	1	Harness Addition, Isolated Ground Circuit	-
24	15-00103	1	Star Washer	-
25	12-45001	3	Capscrew, 12 Point M16 x 2.0 x 40 mm	-
26	21-00134	1	Bushing, Brass 1/2 NPT x 3/8 NPT	-
27	22-42047	**	Relay, SPDT 12 Volt DC 50 Amp	-
	22-40085	**	Relay, SPDT 24 Volt DC 20 Amp	-
28	22-44812	1	Magnetic Sender	-
30		1	Stop Solenoid (see assembly detail)	-
31	21-41903	2	Spacer	-
32	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
33	15-74802	6	Star Washer	-
36	21-04801	**	Street Elbow 90°, Steel (used with #6 Pressure Switch, not shown)	-
37	22-40407	**	Shutdown Timer 12 Volt	-
	22-40408	**	Shutdown Timer 24 Volt	-
38	12-03012	1	Machine Screw, Flathead Countersunk #10- 32 x 1-1/4"	-
39	14-00032	1	Hex Nut, Nylock #10- 32	-
			**As required	

ELECTRICAL SYSTEM

12 & 24 VOLT ELECTRICAL STANDARD GROUND

M6125 Generator Set Applications



A-4389, A-4203/ D-2084

## ELECTRICAL SYSTEM

## 12 &amp; 24 VOLT ELECTRICAL STANDARD GROUND

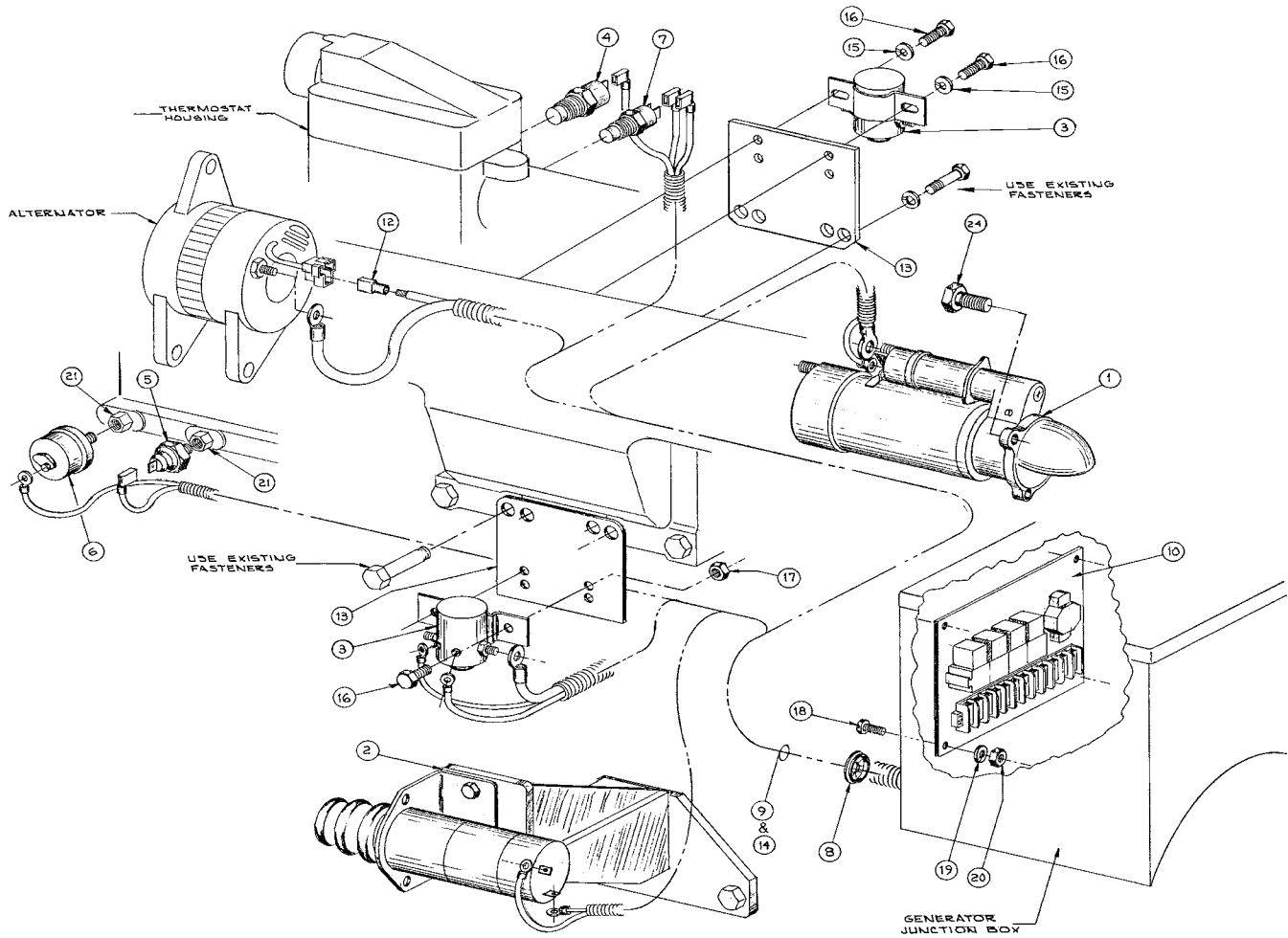
## M6125 Generator Set Applications

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-45039	1	Starter, 12 Volt Isolated Ground (formerly #22-45027)	-
	22-45028	1	Starter, 24 Volt Isolated Ground	-
2		1	Stop Solenoid Kit (see assembly detail)	-
3	22-41080	2	Solenoid, 12 Volt DC 65 Amp	-
	22-41079	2	Solenoid, 24 Volt DC 65 Amp	-
4	22-40922	1	Temperature Switch 215°F (formerly #22-40925)	-
5	22-40233	1	Oil Pressure Switch 15 PSI	-
6	22-44871	1	Pressure Sender, 0-150 PSI (Standard Ground Single Station)	-
	22-44872	1	Pressure Sender, 0-150 PSI (Standard Ground Dual Station)	-
7	22-44810	1	Temperature Sender, 250°F, 3/8 NPT (Isolated Ground Single Station)	-
	22-40353	1	Temperature Sender, 250°F, 3/8 NPT (Isolated Ground Dual Station)	-
8	00-40028	1	Grommet	-
9	22-44815	1	Wire Harness	-
10	22-70086-1	1	Relay Board Sub-Assembly (Autostart Application only - see part detail)	-
	22-70083-1	1	Relay Board Sub-Assembly (see part detail)	-
11	15-00802	1	Lock Washer M10	-
12	15-00805	4	Flat Washer M10	-
13	23-44801	2	Bracket, Pre-heat & Start Relay Mounting	-
14	22-44829	1	Ground Cable	-
15	15-00111	4	Flat Washer 1/4"	-
16	12-00111	4	Capscrew, Hex Head 1/4-20 x 3/4"	-
17	14-00112	4	Hex Nut, Nylock 1/4-20	-
18	12-00000	4	Machine Screw, BH Slotted #10-32 x 1/2"	-
19	14-00006	4	Hex Nut, Nylock #10-32	-
20	21-76801	1	Female Adapter, Steel, 1/8 NPT x M10 x 1.25	-
21	6151-21-1230	**	Adapter, 1/8 BSPT x 1/8 NPT	-
24	12-45001	3	Capscrew, 12 Pt., M16 x 2.0 x 40 mm	-
26	12-00805	1	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
27		1	Alternator (see applicable assembly detail)	-

\*\*As required

12 & 24 VOLT ELECTRICAL ISOLATED GROUND

M6125 Generator Set Applications



A-4389, A-4203/ D-2084z

## ELECTRICAL SYSTEM

## 12 &amp; 24 VOLT ELECTRICAL ISOLATED GROUND

## M6125 Generator Set Applications

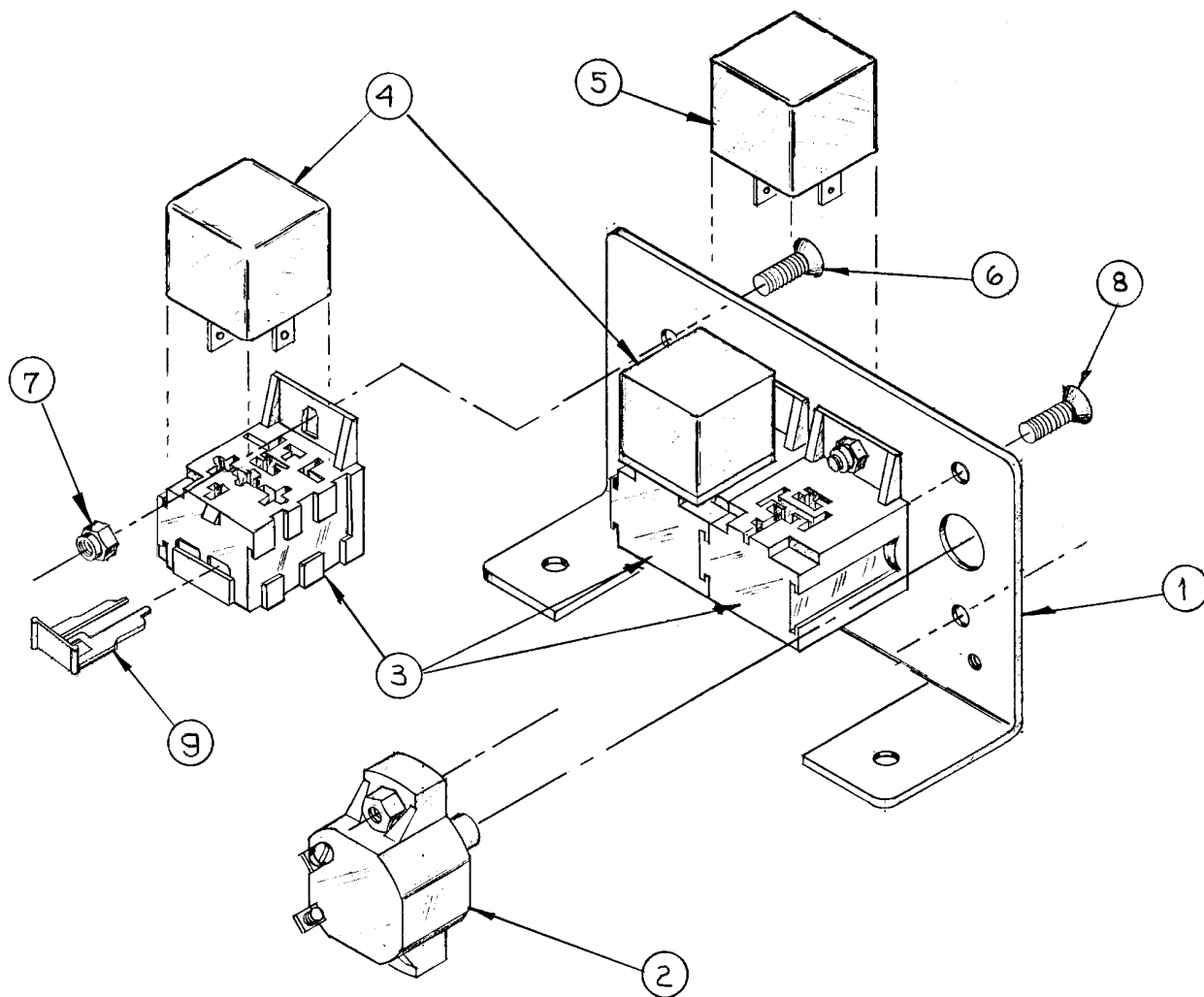
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-45028	1	Starter, 24 Volt Isolated Ground	-
	22-45039	1	Starter, 12 Volt Isolated Ground (formerly #22-45027)	-
2		1	Stop Solenoid Kit (see assembly detail)	-
3	22-41079	2	Solenoid, 24 Volt DC 65 Amp	-
	22-41080	2	Solenoid, 12 Volt DC 65 Amp	-
4	22-40922	1	Temperature Switch 215° F (formerly #22-40925)	-
5	22-40236	1	Oil Pressure Switch 15 PSI	-
6	22-40201	1	Pressure Sender, 0-150 PSI (Isolated Ground Single Station)	-
	22-40108	1	Pressure Sender, 0-150 PSI (Isolated Ground Dual Station)	-
7	22-44810	1	Temperature Sender, 250° F, 3/8 NPT (Isolated Ground Dual Station)	-
	22-40353	1	Temperature Sender, 250°F (Isolated Ground Dual Station)	-
8	00-40028	1	Grommet	-
9	22-44815	1	Wire Harness	-
10	22-70086-1	4	Relay Board Sub-Assembly (Autostart applications only - see parts detail)	-
	22-70083-1	1	Relay Board Sub-Assembly (see parts detail)	-
12	15-00805	4	Flat Washer M10	-
13	23-44801	2	Bracket, Pre-heat & Start Relay Mounting	-
14	22-44874	1	Harness Addition, Isolated Ground Circuit	-
15	15-00111	4	Flat Washer 1/4"	-
16	12-00111	4	Capscrew, Hex Head 1/4-20 x 3/4"	-
17	14-00112	2	Hex Nut, Nylock 1/4-20	-
18	12-00000	4	Machine Screw, BH Slotted #10-32 x 1/2"	-
19	14-00006	4	Hex Nut, Nylock #10-32	-
20	21-76801	1	Female Adapter, Steel, 1/8 NPT x M10 x 1.25	-
21	6151-21-1230	**	Adapter, 1/8 BSPT x 1/8 NPT	-
22	21-04801	**	Street Elbow 90° Steel, 1/8 NPT (use with #5 Pressure Switch, not shown)	-
24	12-45001	3	Capscrew, 12 Pt., M16 x 2.0 x 40 mm	-
27		1	Alternator (see applicable assembly detail)	-

\*\*As required

ELECTRICAL SYSTEM

**HARNESS ASSEMBLY WITH CIRCUIT BREAKER & RELAY PANEL**

*Propulsion Units with 3 Relay Functions*



A-3647 & A-3356/ B-3139B

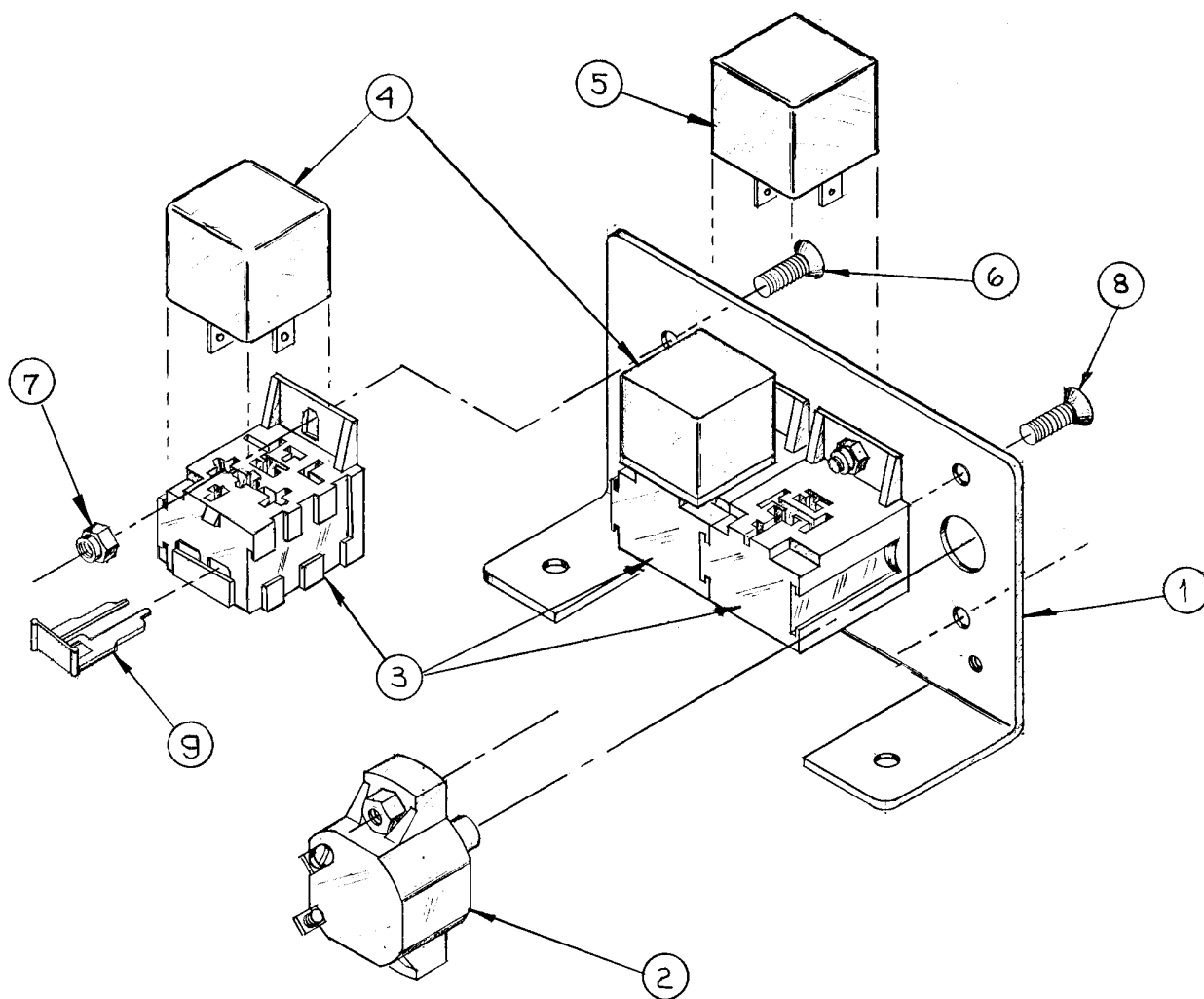
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-44811	1	Wire Harness & Relay Assembly 12 Volt (includes all keys)	-
••	22-44818	1	Wire Harness & Relay Assembly 24 Volt (includes all keys)	-
1	23-40010	1	Bracket	-
2	22-41070	1	40 Amp Circuit Breaker	-
3	22-40391	3	Relay Base (formerly #22-41032 - also requires #9)*	-
4	22-42047	2	12 Volt Relay Horn & Start	-
	22-40085	2	24 Volt Relay Horn & Start	-
5	22-44820	1	12 Volt Stop Relay	-
	22-44821	1	24 Volt Stop Relay	-
6	12-03010	3	Machine Screw, 10 -32 x 3/8", 100°	-
7	14-00001	5	Hex Nut, 10 -32	-
8	12-03011	2	Countersunk Machine Screw, 10 -32 x 3/4", 100° Flathead	-
9	22-40393	3	Terminal Retainer*	-
*Included in Relay Base Retrofit kit #22-40395.				



ELECTRICAL SYSTEM

**HARNESS ASSEMBLY WITH CIRCUIT BREAKER & RELAY PANEL**

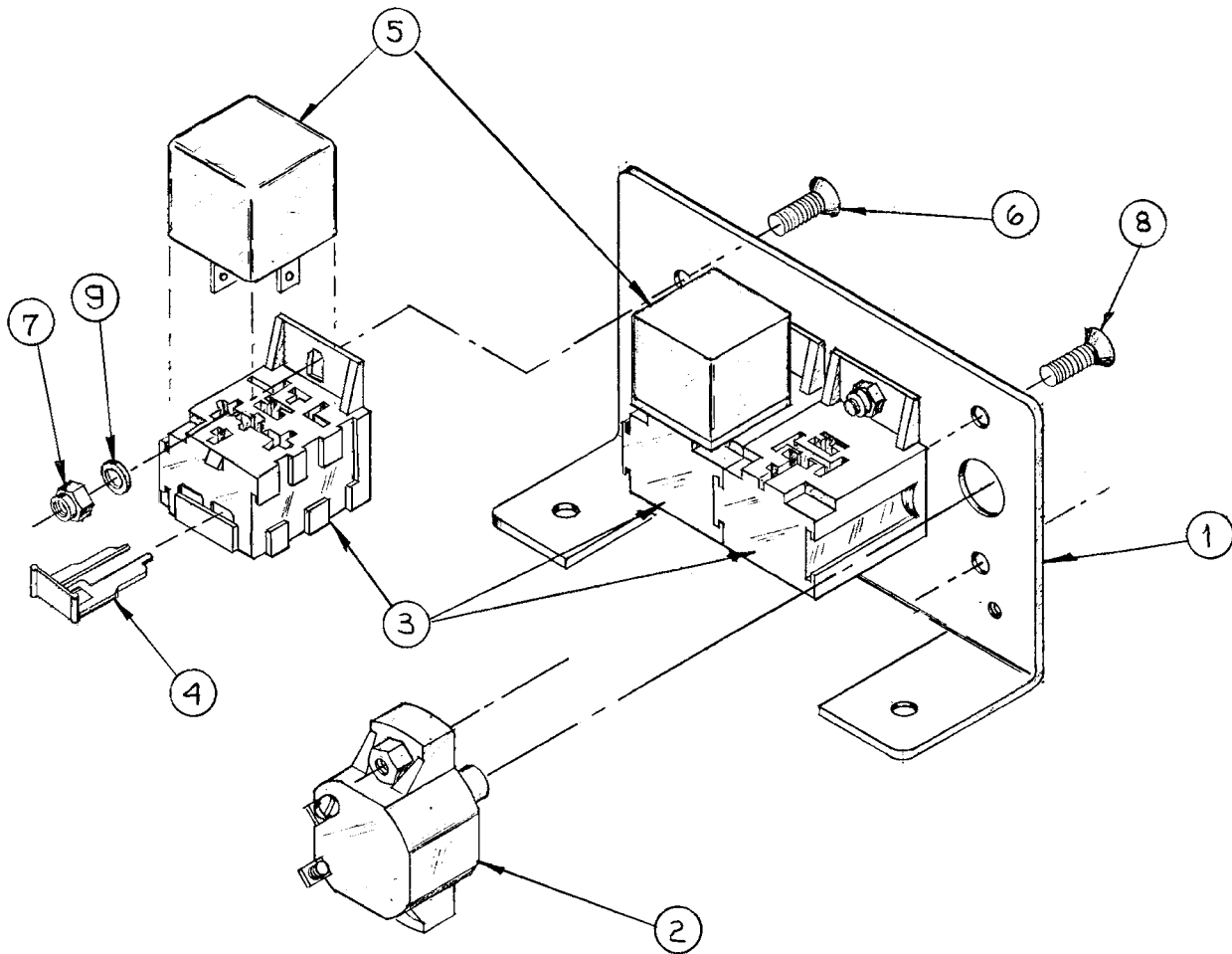
*Propulsion Units with 2 Relay Functions*



A-3356/ B-3139B

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-44831	1	Wire Harness Assembly with Relay Bases (w/o Relays)	-
1	23-40010	1	Bracket	-
2	22-41070	1	40 Amp Circuit Breaker	-
3	22-40391	2	Relay Base (formerly #22-41032 - also requires #9)*	-
4	22-42047	1	12 Volt Start Relay	-
	22-40085	1	24 Volt Start Relay	-
5	22-42047	1	12 Volt Stop Solenoid Relay	-
	22-40085	1	24 Volt Stop Solenoid Relay	-
6	12-03010	3	Machine Screw, 10 -32 x 3/8", 100°	-
7	14-00001	5	Hex Nut, 10 -32	-
8	12-03011	2	Countersunk Machine Screw, 10 -32 x 3/4", 100° Flathead	-
9	22-40393	2	Terminal Retainer*	-

\*Included in Relay Base Retrofit kit #22-40395.

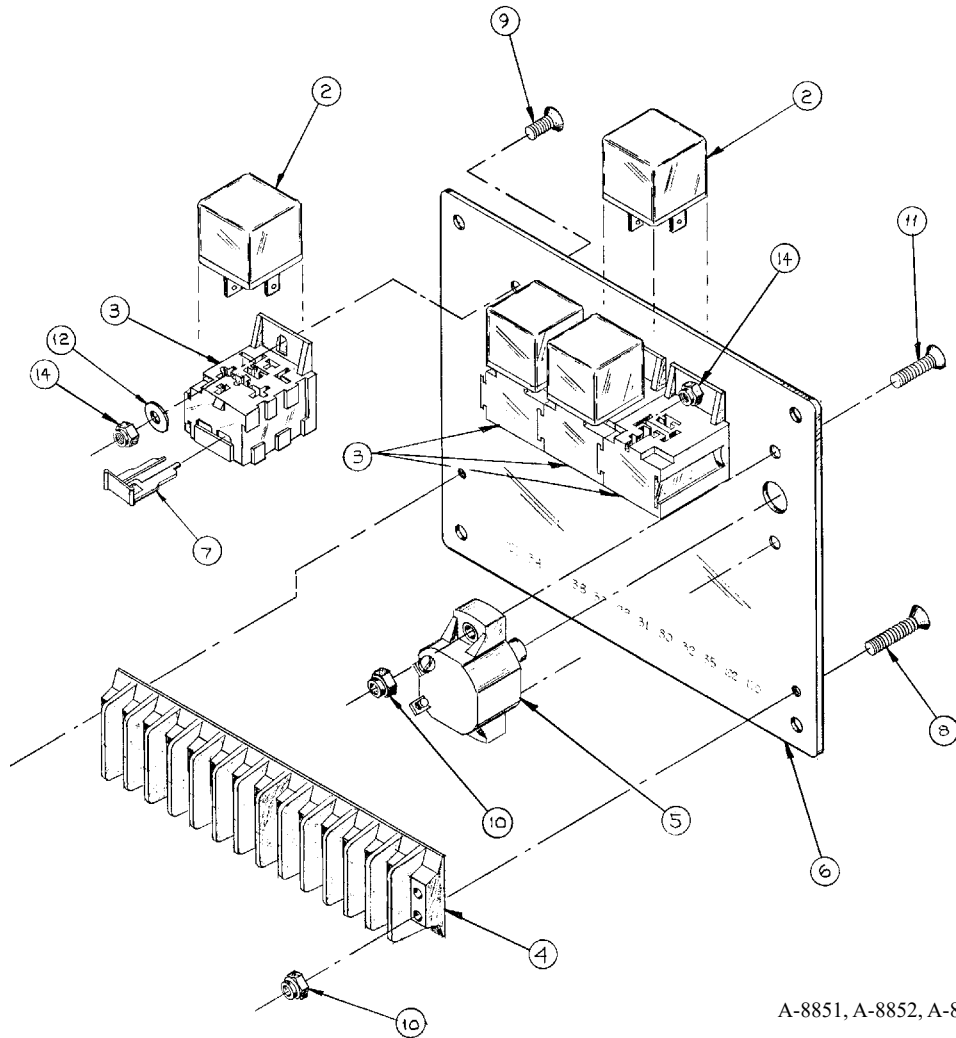
**HARNESS ASSEMBLY WITH CIRCUIT BREAKER & RELAY PANEL***Propulsion Units with Shutdown Timer & Single Relay Function*

A-3356/ B-3139z

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-44867	1	Wire Harness Assembly with Relay Bases (w/o Relays)	-
1	23-40019	1	Bracket	-
2	22-41070	1	40 Amp Circuit Breaker	-
3	22-40391	1	Relay Base	-
4	22-40393	2	Terminal Retainer	-
5	22-42047	1	12 Volt Start Relay	-
	22-40085	1	24 Volt Start Relay	-
6	12-03010	1	Machine Screw, 10 -32 x 3/8", 100°	-
7	14-00001	3	Hex Nut, 10 -32	-
8	12-03011	2	Countersunk Machine Screw, 10 -32 x 3/4", 100° Flathead	-
9	15-00032	1	Flat Washer #10	-

ELECTRICAL SYSTEM

12 & 24 VOLT RELAY LOGIC BOARD



A-8851, A-8852, A-8854, A-8855 / C-2041

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-70083	1	12V Relay Logic Board, Manual Start (includes all keys)	-
••	22-70084	1	24V Relay Logic Board, Manual Start (includes all keys)	-
••	22-70086	1	12V Relay Logic Board, Autostart (includes all keys)	-
••	22-70087	1	24V Relay Logic Board, Autostart (includes all keys)	-
1	22-41060	2	6 Amp Diode (not shown)	-
2	22-42047	4	12 Volt Relay SPDT	-
	22-40085	4	24 Volt Relay SPDT	-
3	22-40391	4	Relay Base	-
4	22-40193	1	12 Connection Terminal Board, 600 VAC	-
5	22-40018	1	10 Amp Circuit Breaker	-
6	28-40001	1	Relay Board Mounting Plate	-
7	22-40393	4	Terminal Retainer Clip	-
8	12-00083	2	Countersunk Machine Screw, #8 - 32 x 3/4"	-
9	12-00082	4	Countersunk Machine Screw, #8 - 32 x 1/2"	-
10	14-00003	2	Nylock Hex Nut #8 - 32	-
11	12-40225	2	Countersunk Machine Screw, #8 - 32 x 7/8"	-
12	15-00001	4	Flat Washer #8	-
13	22-40347	1	Wire Harness, Manual Start (not shown)	-
	22-40392	1	Wire Harness, Autostart (not shown)	-
14	14-00000	4	Hex Nut #8 - 32	-

24 VOLT SOLENOID & MOUNTING - EARLY STYLE

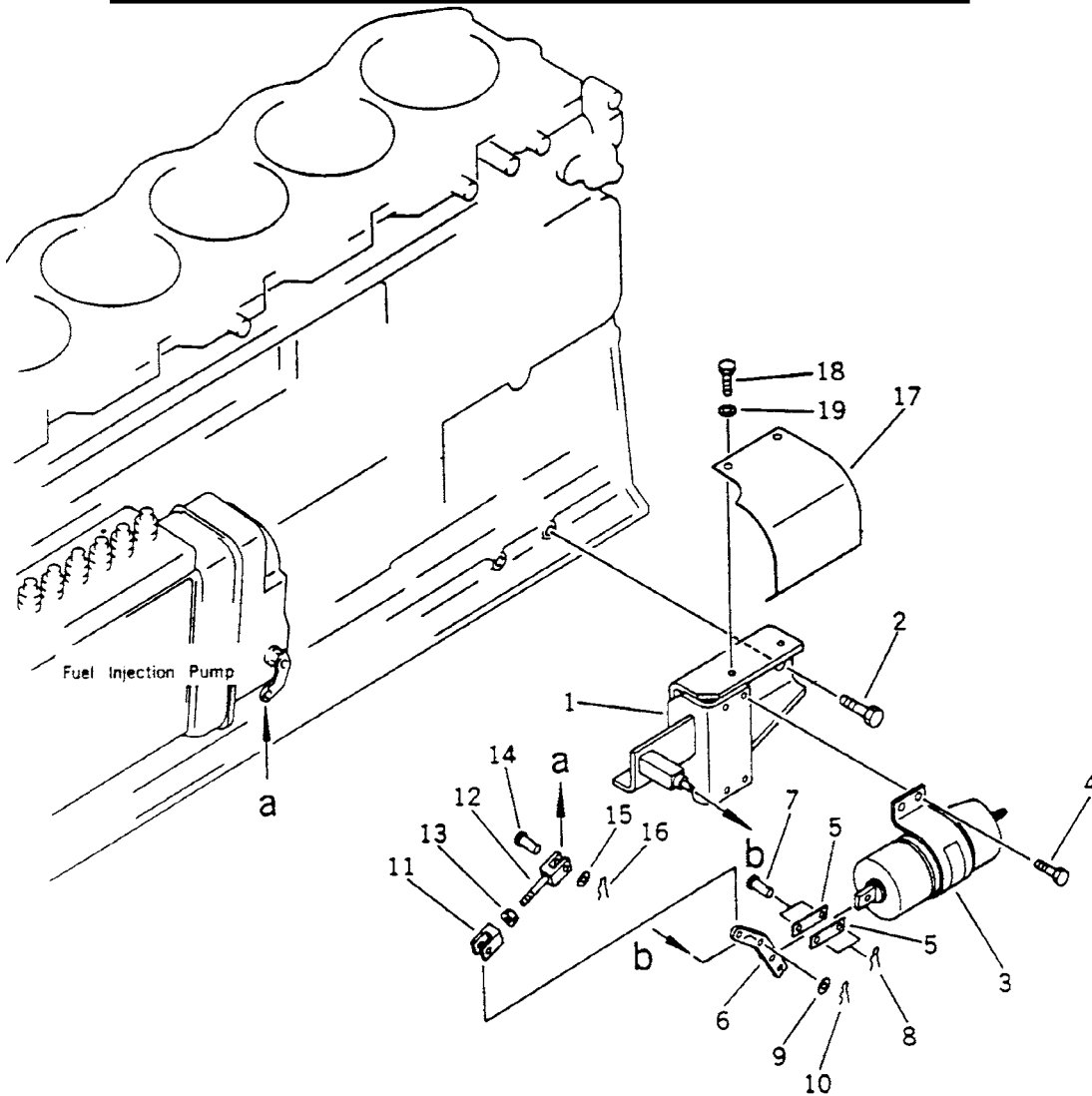
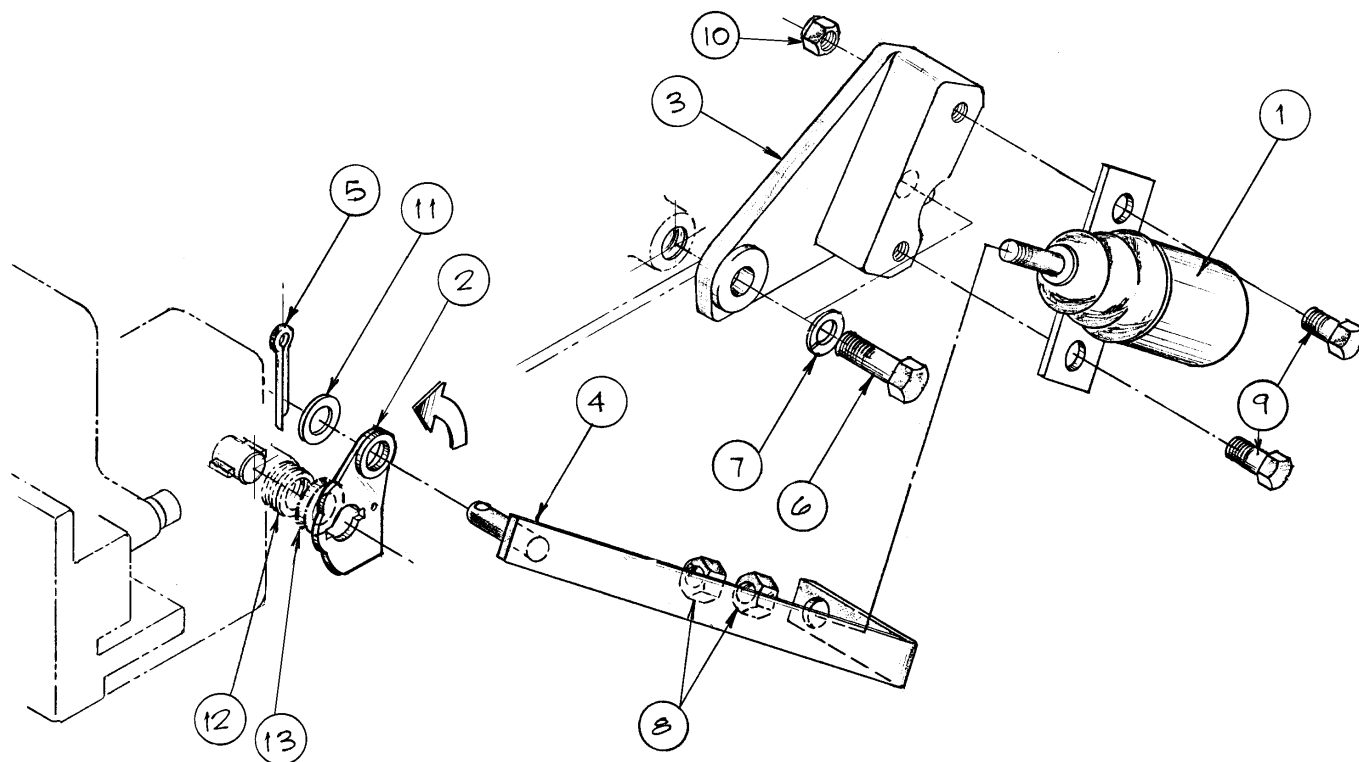


Fig. 407

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6151-81-7510	1	Bracket	-
2	01010-51020	2	Bolt	-
3	69902-0-0460	1	24 Volt Solenoid Assembly	-
4	01010-50612	4	Bolt	-
5	6151-81-7420	2	Plate	-
6	6151-81-7520	1	Lever	-
7	04205-10620	2	Pin	-
8	04052-00633	1	Snap Pin	-
9	01641-20608	1	Washer	-
10	04052-00633	1	Snap Pin	-
11	6151-81-7340	1	Yoke	-
12	6151-81-7370	1	Rod	-
13	01580-10605	1	Nut	-
14	04205-10620	2	Pin	-
15	01641-20608	2	Washer	-
16	04052-00633	2	Snap Pin	-
17	6151-81-7550	1	Cover	-
18	01010-50612	2	Bolt	-
19	01640-20610	2	Washer	-

## 12 &amp; 24 VOLT STOP SOLENOID &amp; MOUNTING

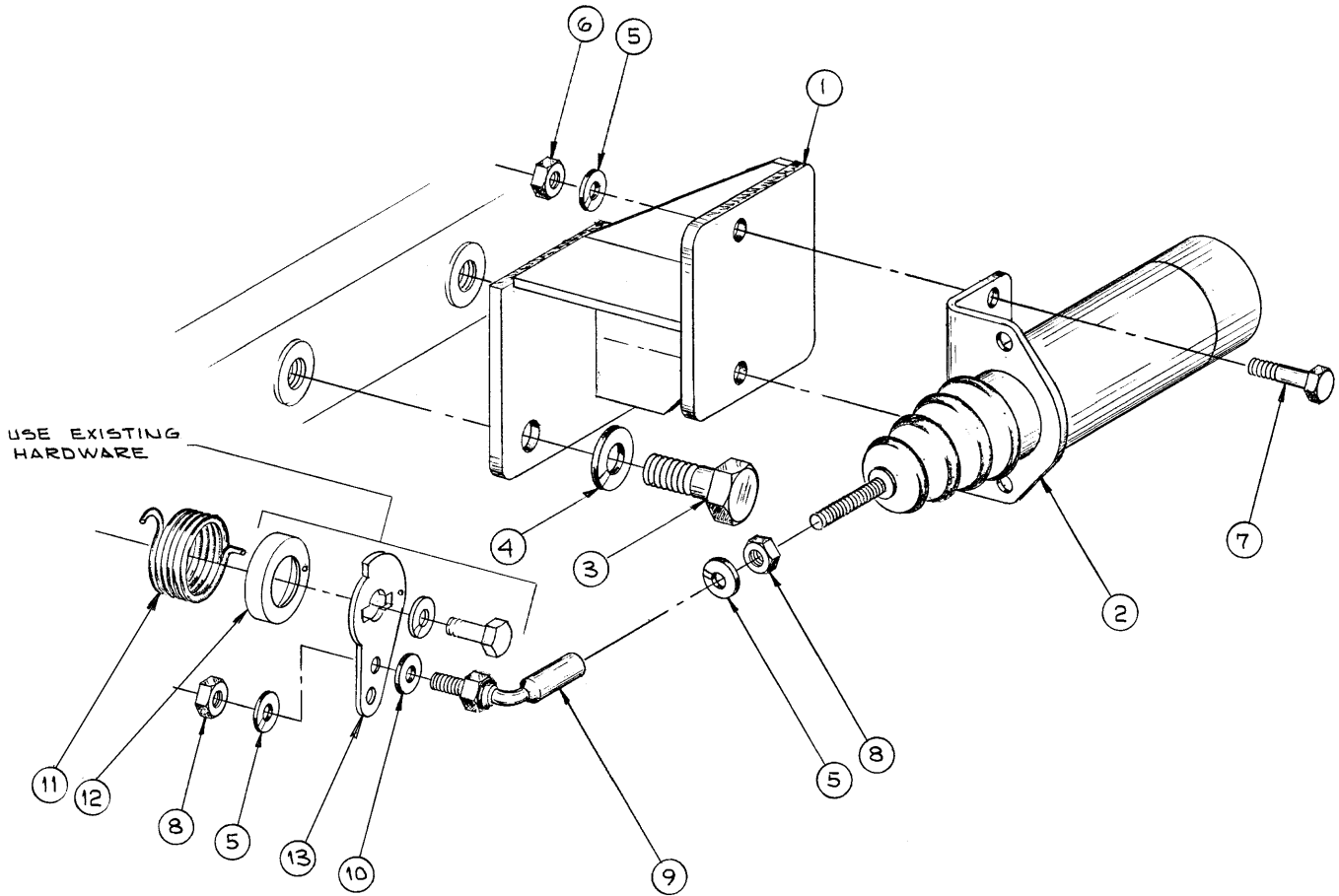
Propulsion Units



A-4176, A-2441, &amp; A-2314B / B-2606

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-42020	1	12 Volt Stop Solenoid (Isolated Ground)	-
	22-40007	1	24 Volt Stop Solenoid (Isolated Ground)	-
	22-40205	1	24 Volt Stop Solenoid (Isolated Ground, Alternate)	-
2	23-94802	1	Stop Lever (use with Pull Bar #23-94801)*	-
	23-94812	1	Stop Lever (use with Pull Bar #23-94807 or 23-94809)	-
	23-94808	1	Bracket, (formerly #23-94800)	-
4	23-94801	1	Pull Bar, 4.7" (120 mm LOA - use with Lever 23-94802)*	-
	23-94807	1	Pull Bar, 5.2" (132 mm LOA - use with Lever 23-94812)	-
	23-94809	1	Pull Bar, 4.61" (117 mm LOA - use with Lever 23-94812)	-
5	00-54801	1	Cotter Pin, Brass 3/32 x 1/2	-
	00-51003	1	Cotter Pin, S/S 1/16 x 1/2	-
6	12-00831	2	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
7	15-00805	2	Flat Washer M10	-
	15-00802	2	Lock Washer M10	-
8	14-00121	2	Hex Nut 1/4-28	-
9	12-00062	2	Capscrew, Hex Head M6 x 1.0 x 10 mm	-
10	15-01132	2	Lock Washer M6	-
12	15-00121	1	Flat Washer 1/4" SAE	-
			*No longer available. Replace Stop Lever & Pull Bar with current parts as applicable.	

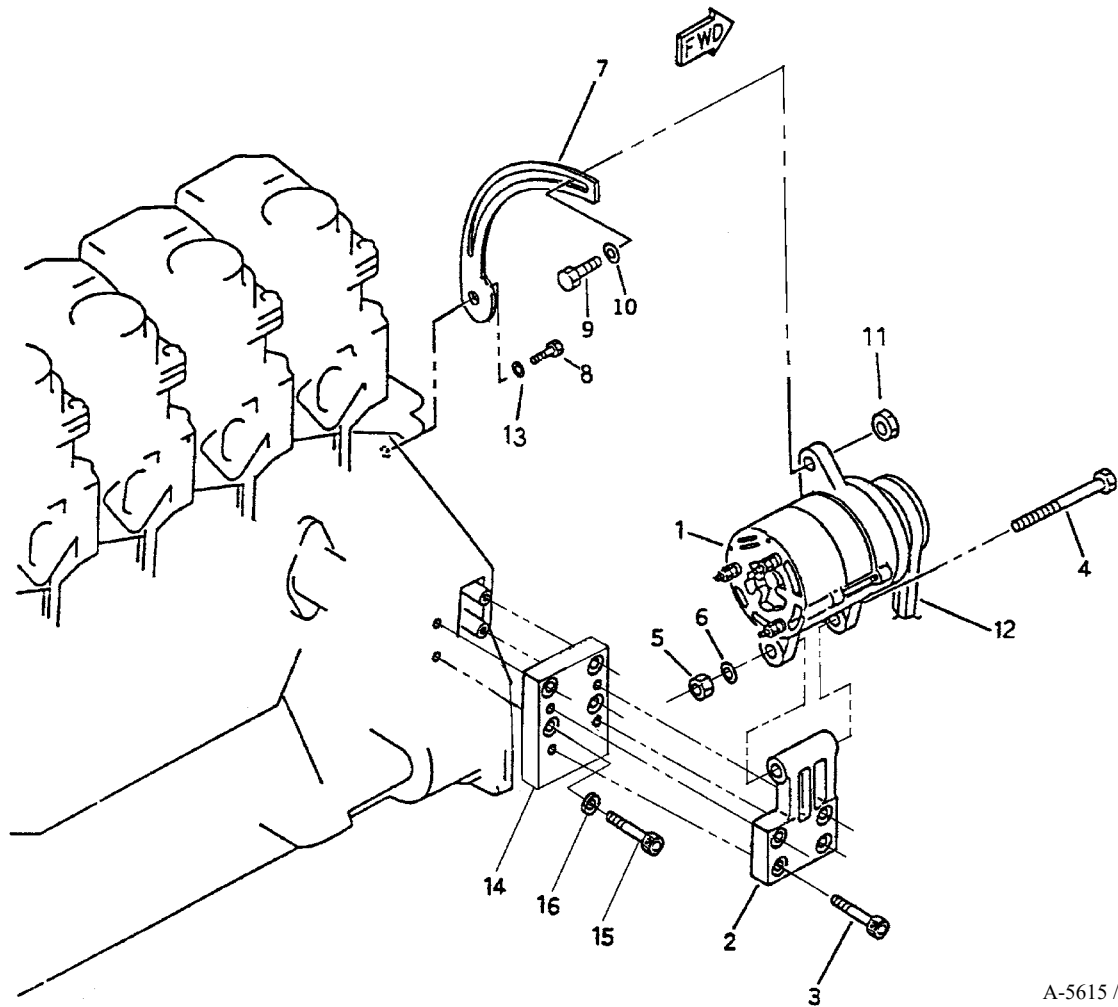
12 & 24 VOLT STOP SOLENOID & MOUNTING



A-4388, A-4266 / C-2358

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-94811	1	Mounting Bracket	-
2	22-42020	1	12 Volt Stop Solenoid	-
	22-40007	1	24 Volt Stop Solenoid	-
3	12-04400	2	Capscrew, Hex Head M10 x 1.5 x 15 mm	-
4	15-00802	2	Lock Washer M10	-
5	15-00102	4	Lock Washer 1/4"	-
6	14-00111	2	Steel Hex Nut 1/4 -20	-
7	12-00111	2	Capscrew Hex Head 1/4 -20 x 3/4"	-
8	14-00121	2	Steel Hex Nut 1/4 -28	-
9	00-42502	1	Ball Swivel, 90° 1/4 -28	-
10	15-00121	1	Flat Washer 1/4"	-
11	00-54803	1	Return Spring	-
12	26-55001	1	Spring Cover	-
13	23-55404	1	Stop Lever	-

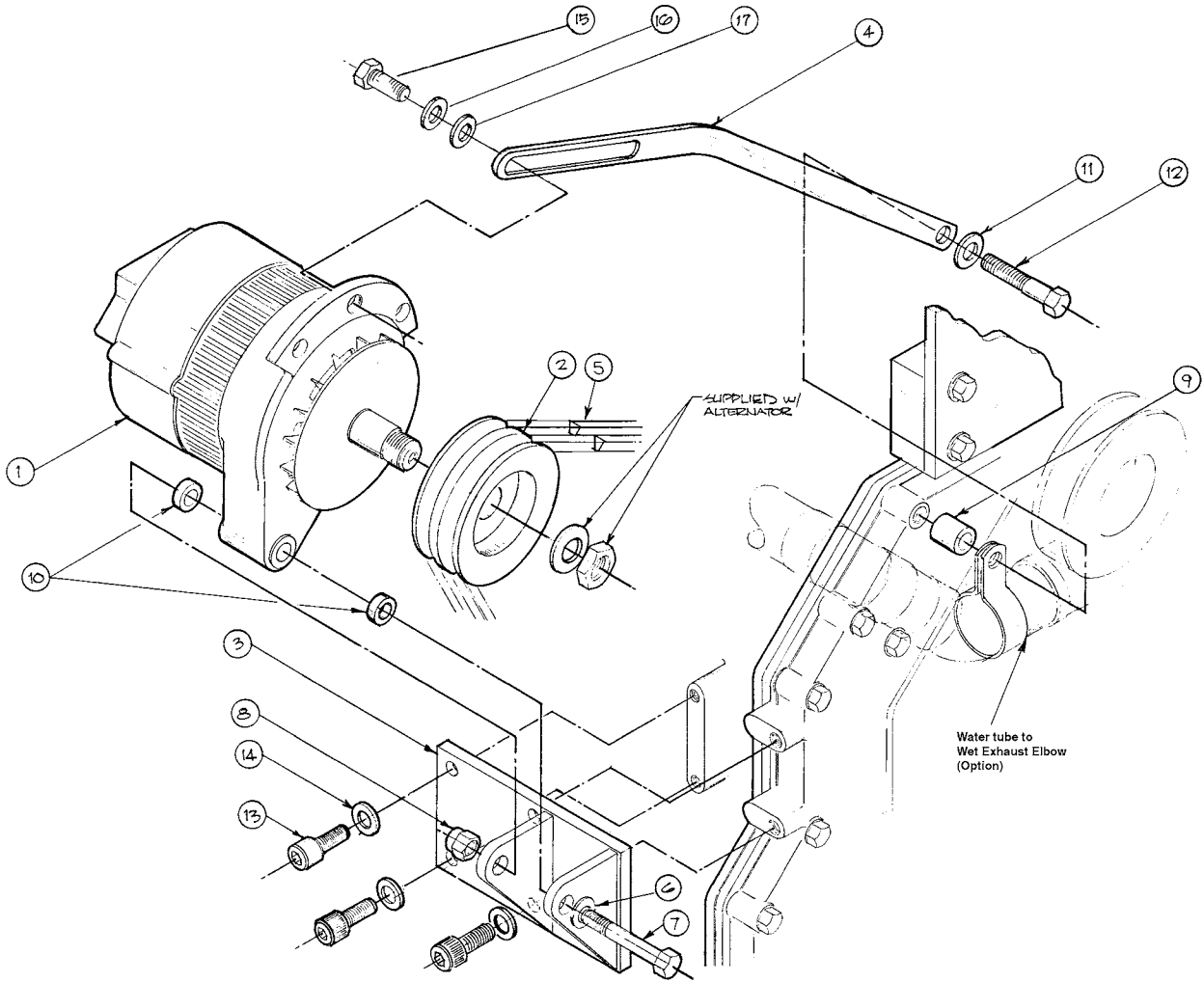
## 12 &amp; 24 VOLT ALTERNATOR &amp; MOUNTING



A-5615 / Fig. 521

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	600-821-2460	1	Alternator, 12 Volt 60 Amp (see parts detail)	-
	600-821-6150	1	Alternator, 24 Volt 25 Amp (see parts detail)	-
2	6150-81-6320	1	Bracket	-
3	6150-81-9130	4	Capscrew, 12 pt. M10 x 1.5 x 30 mm	-
4	12-01451	1	Capscrew, Hex Head M14 x 2.0 x 130 mm	-
5	14-01300	1	Hex Nut M14 x 2.0	-
6	15-01401	2	Flat Washer M14	-
7	6711-21-6350	1	Tensioner (12 Volt Alternator)	-
	6210-81-6811	1	Tensioner (24 Volt Alternator)	-
8	12-00049	1	Capscrew, Hex Head M10 x 1.5 x 80 mm KC	-
	12-00070	1	Capscrew, Hex Head M10 x 1.5 x 100 mm HE	-
9	12-00037	1	Capscrew, Hex Head M12 x 1.75 x 45 mm (12 Volt Alternator)	-
	01050-31230	1	Capscrew, Hex Head M12 x 1.5 x 30 mm (24 Volt Alternator)	-
10	15-00007	1	Flat Washer M12	-
11	14-04801	1	Hex Nut M12 x 1.75 (12 Volt Alternator)	-
12		1	Drive Belt Set (see Drive Belts & Guards Chart)	-
13	15-00805	1	Flat Washer M10	-
14	31-44800	1	Adapter Plate	-
15	12-34803	4	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
16	15-00300	4	Flat Washer M10 Special	-
17		1	Belt Guard (see Drive Belts & Guards Chart)	-

MEDIUM FRAME ALTERNATORS & MOUNTING



A-7043, A-2938E/ C-1845A



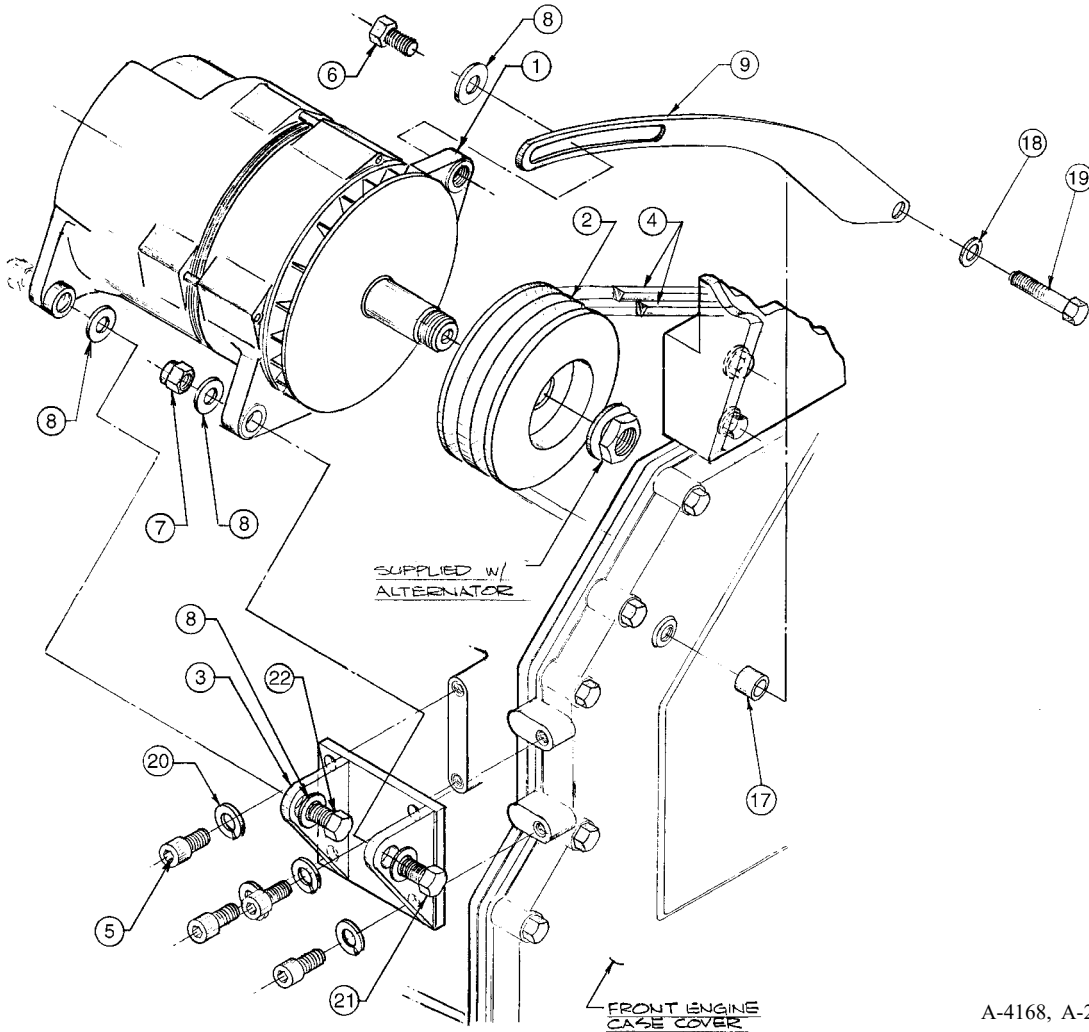
## ELECTRICAL SYSTEM

## MEDIUM FRAME ALTERNATORS &amp; MOUNTING

KEY	PART NUMBER	QTY	DESCRIPTION	S/N
1	22-40278	1	Alternator, 24 Volt/ 40 Amp Standard Ground (formerly #22-71051)	-
	22-71052	1	Alternator, 24 Volt/ 35 Amp Isolated Ground	-
	22-40276	1	Alternator, 12 Volt/ 65 Amp Standard Ground (formerly #22-40261)	-
	10-134	1	Alternator, 12 Volt/ 72 Amp Isolated Ground*	-
	22-40332	1	Alternator, 12 Volt/ 90 Amp Isolated Ground	-
2	34-44801	1	Pulley	-
3	23-44805	1	Mounting Bracket	-
4	23-44802	1	Tension Arm	-
5		1	Drive Belt Set (see Drive Belts & Guards chart)	-
6	15-00504	2	Flat Washer 1/2" SAE	-
7	12-00519	1	Capscrew, Hex Head 1/2 -13 x 2 -3/4"	-
8	14-00512	1	Nylock Hex Nut 1/2 -13	-
9	21-71401	1	Spacer	-
10	21-44800	2	Spacer	-
11	15-00802	1	Lock Washer M10	-
12	12-00051	1	Capscrew, Hex Head M10 x 1.5 x 90 mm	-
13	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
14	15-00803	4	High Collar Lock Washer M10	-
15	12-00312	1	Capscrew, Hex Head 3/8 -16 x 1" (12V/ 72 Amp)	-
	15-0021	1	Capscrew, Hex Head 5/16 -18 x 1" (12V/ 65 & 90 Amp, 24V/ 35 & 40 Amp)	-
16	15-00301	1	Lock Washer 3/8" (12V/ 72 Amp)	-
	15-00202	1	Lock Washer 5/16" (12V/ 65 & 90 Amp, 24V/ 35 & 40 Amp)	-
17	15-00012	1	Stud Washer 3/8 (12V/ 72 Amp)	-
	15-00201	1	Stud Washer 5/16" (12V/ 65 & 90 Amp, 24V/ 35 & 40 Amp)	-
18	5-141	1	Voltage Regulator (12V/ 72 Amp, not shown)	-
19	23-44804	1	Bracket, Regulator Mounting (12V/ 72 Amp, not shown)	-
20	16-1	1	Regulator Harness (12V/ 72 Amp, not shown)	-
			*No longer available.	

ELECTRICAL SYSTEM

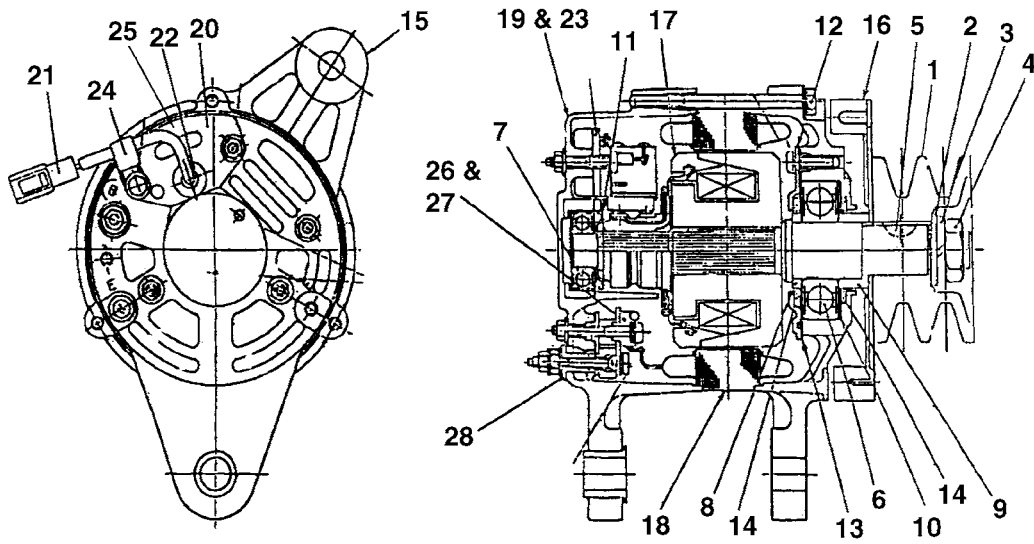
LARGE FRAME ALTERNATORS & MOUNTING



A-4168, A-2332/ C-1841

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-40282	1	Alternator, 12 Volt/ 140 Amp (formerly #22-4408, 130 Amp)	-
	22-40277	1	Alternator, 24 Volt/ 75 Amp (formerly #22-42516)	-
	22-45018	1	Alternator, 24 Volt/ 100 Amp	-
2	34-44802	1	Pulley	-
3	23-44800	1	Mounting Bracket	-
4		1	Drive Belt Set (see Drive Belts & Guards chart)	-
5	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
6	12-00512	3	Capscrew, Hex Head 1/2 x 1"	-
7	14-00512	2	Nylock Nut 1/2 -12	-
8	15-00504	6	Flat Washer 1/2" SAE	-
9	23-44814	1	Tensioner Bracket (12V/ 130 & 140 Amp & 24V/ 75 Amp Alternators)	-
	23-45011	1	Tensioner (24V/ 100 Amp Alternator)	-
17	21-44801	1	Spacer	-
	21-00017	1	Spacer (24V/ 100 Amp Alternator)	-
18	15-00805	1	Flat Washer M10	-
19	12-00834	1	Capscrew, Hex Head M10 x 1.5 x 135 mm	-
20	15-00802	4	Lock Washer M10	-
21	12-00515	1	Capscrew, Hex Head 1/2" x 1 -3/4"	-
22	12-00516	1	Capscrew, Hex Head 1/2" x 2"	-
23		1	Belt Guard (see Drive Belts & Guards chart)	-

## 12 VOLT/ 60 AMP ALTERNATOR - NIKKO



KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	600-821-2460	1	Alternator 12 Volt/ 60 Amp (includes keys 1-28)	-
1	1-35411-0100	1	Pulley	-
2	1-0330-16012	1	Washer	-
3	1-0335-16002	1	Spring Washer	-
4	0-0280-16022	1	Nut	-
5	1-0416-04160	1	Woodruff Key	-
6	1-0456-63057	1	Ball Bearing	-
7	1-09201-0530	1	Ball Bearing	-
8	0-33923-0980	1	Collar	-
9	1-33923-0920	1	Collar	-
10	1-33926-0730	1	Retainer	-
11	1-33926-0820	1	Retainer	-
12	0-35926-0060	1	Retainer	-
13	1-33926-0750	1	Retainer	-
14	1-33951-0610	2	Packing	-
15	0-33311-0490	1	Front Bracket	-
16	1-33421-0590	1	Fan	-
17	0-33100-1460	1	Rotor Assembly	-
18	0-33200-1370	1	Stator Assembly	-
19	0-33700-2760	1	Rear Bracket Assembly	-
20	0-33761-1200	1	Cover	-
21	0-33780-0690	1	Terminal Assembly	-
22	1-0540-06001	1	Grommet	-
23	0-33710-3360	1	Rear Bracket	-
24	1-33931-0021	1	Clip	-
25	0-33719-0040	1	Regulator Assembly	-
26	0-33730-2911	1	Rectifier Assembly	-
27	0-33784-0260	1	Connecting Bar	-
28	1-33943-0980	1	Insulating Bushing	-

24 VOLT/ 25 AMP ALTERNATOR - NIKKO

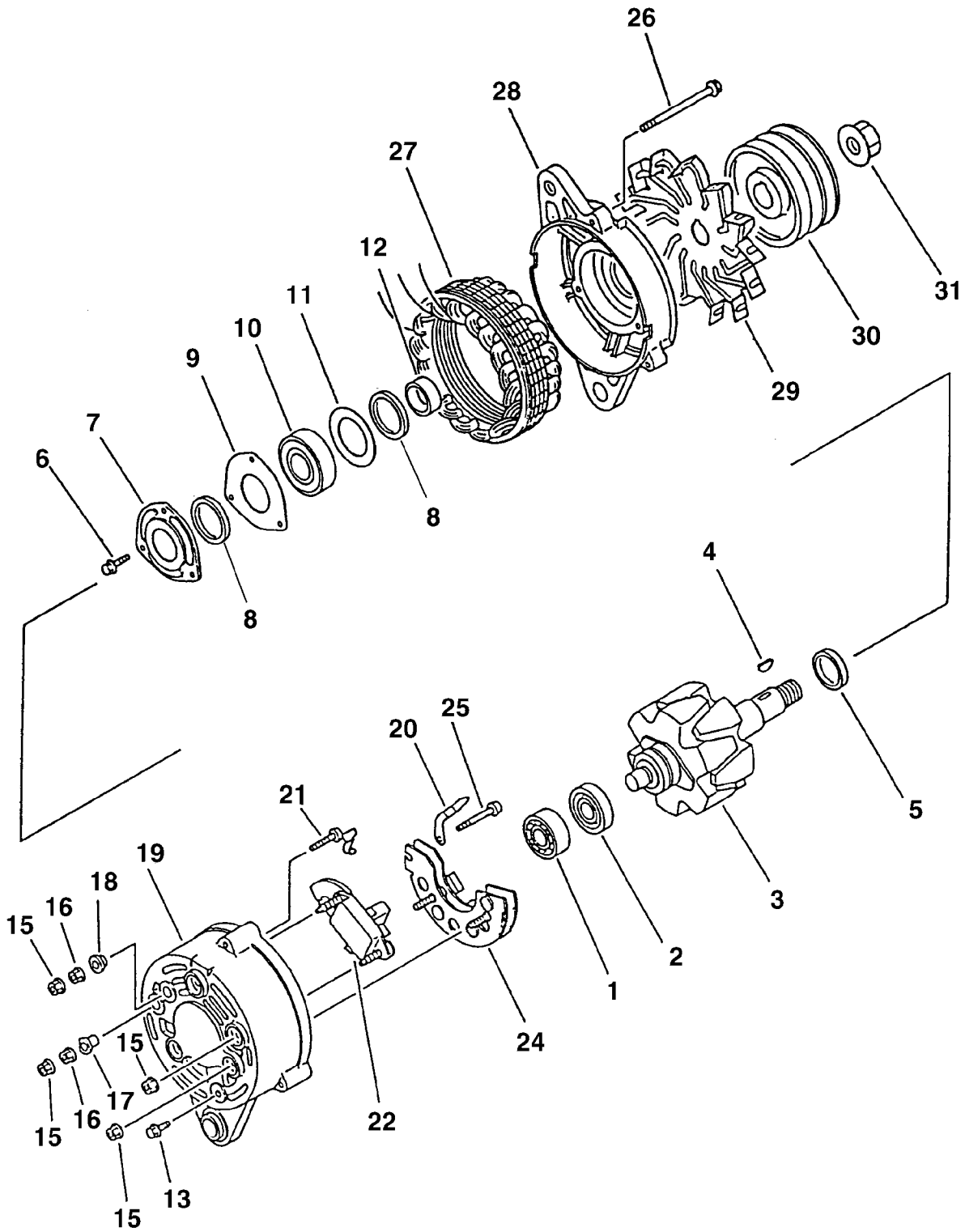


Fig. 541

## ELECTRICAL SYSTEM

## 24 VOLT/ 25 AMP ALTERNATOR - NIKKO

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	600-821-6150	1	Alternator Assembly (includes keys 1-31)	-
1	KD1-09201-0530	1	Ball Bearing	-
2	KD1-33926-0820	1	Retainer	-
3	KD0-3310-1450	1	Rotor Assembly (includes keys 3-12)	-
4	KD1-0416-04160	1	Woodruff Key	-
5	KD0-33923-0980	1	Collar	-
6	KD0-33901-0750	3	Bolt	-
7	KD0-35926-0060	1	Retainer	-
8	KD1-33951-0610	2	Packing	-
9	KD1-33926-0750	1	Retainer	-
10	KD1-0456-63057	1	Ball Bearing	-
11	KD1-33926-0730	1	Retainer	-
12	KD1-33923-0920	1	Collar	-
13	KD0-33901-0770	1	Bolt	-
••	KD0-33700-2710	1	Rear Bracket Assembly (includes keys 15-21)	-
15	KD0-33902-0080	6	Nut	-
16	KD0-33902-0090	2	Nut	-
17	KD1-33943-0980	1	Insulate Bushing	-
18	KD0-33943-1050	1	Insulate Bushing	-
19	KD0-33710-3300	1	Rear Bracket	-
20	KD0-33784-0230	1	Connect Bar	-
21	KD0-33780-0640	1	Terminal Assembly	-
22	KD7-44000-0930	1	Regulator Assembly (includes keys 22-23)	-
23	KD1-33740-0450	2	Brush (not shown)	-
24	KD0-33730-2270	1	Rectifier Assembly	-
25	KD0-33901-0790	1	Bolt	-
26	KD0-33901-0760	3	Bolt	-
27	KD0-33200-1410	1	Stator Assembly	-
28	KD0-33311-0470	1	Front Bracket	-
29	KD1-33421-0590	1	Cooling Fan	-
30	KD1-35411-0040	1	Pulley	-
31	KD0-33902-0070	1	Nut	-

24 VOLT STARTING MOTOR - NIKKO

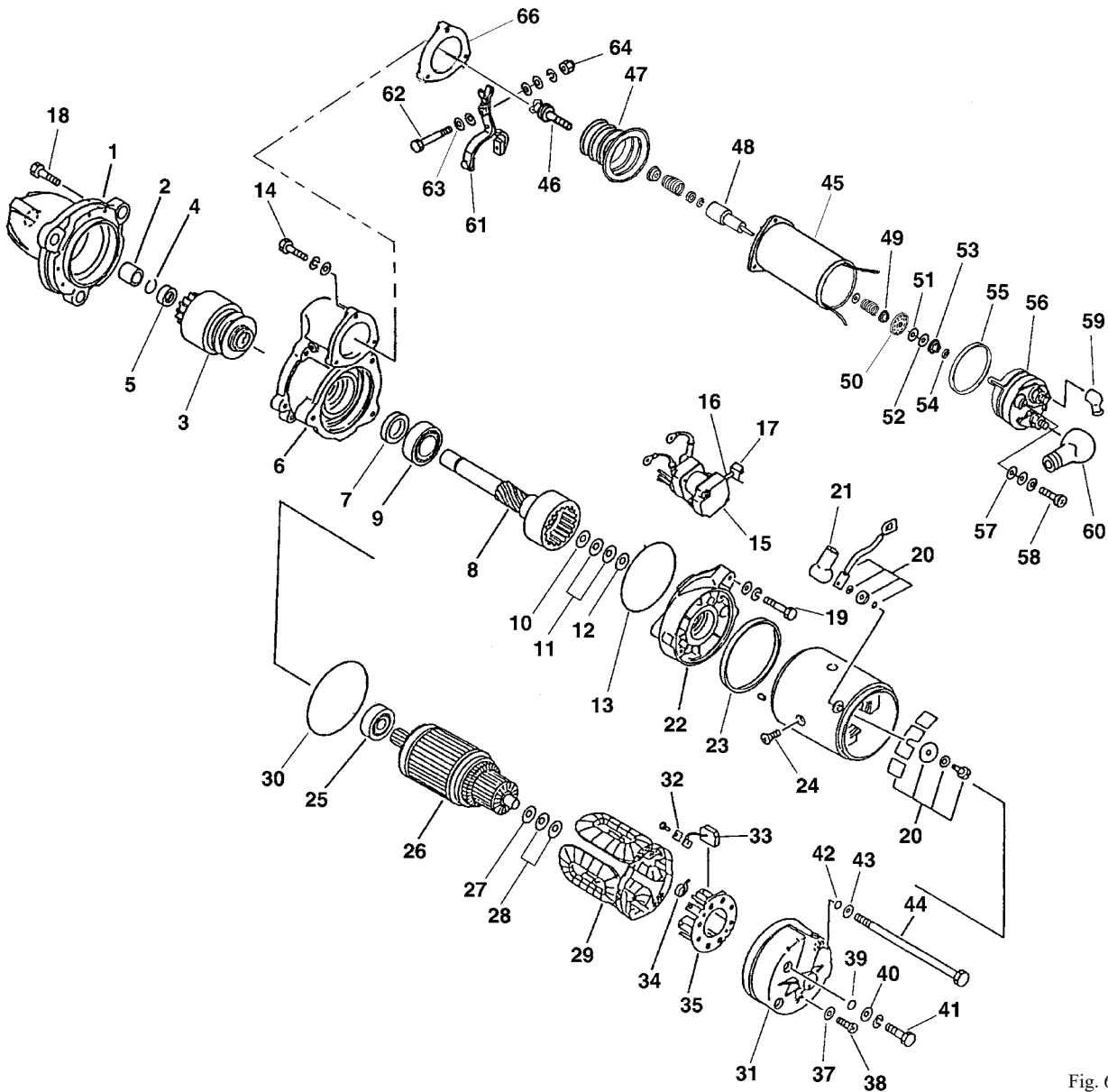


Fig. 621A011

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	600-813-3530	1	24 Volt Starting Motor Assembly (includes keys 1-65)	-
1	KD1-23310-0400	1	Front Bracket Assembly (includes keys 1-2)	-
2	KD7-23351-0080	1	Front Metal	-
3	KD1-23500-0170	1	Over Running Clutch Assembly	-
4	KD1-23914-0020	1	Clip Ring	-
5	KD1-23181-0020	1	Pinion Stopper	-
6	KD1-23600-0100	1	Center Bracket Assembly (includes keys 6-7)	-
7	KD1-09210-1040	1	Oil Seal	-
8	KD1-32120-0090	1	Shaft Assembly (includes keys 8-9)	-
9	KD1-0468-60067	1	Ball Bearing	-
10	KD1-23921-0130	1	Washer	-
11	KD1-23921-0140	2	Adjust Washer	-
12	KD1-23941-0040	1	Insulate Washer	-
13	KD1-09211-0980	1	O-ring	-
14	KD0-0274-06202	3	Bolt	-

## ELECTRICAL SYSTEM

## 24 VOLT STARTING MOTOR - NIKKO

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
15	KD0-25000-6560	1	Safety Relay Switch	-
16	KD0-0080-06602	1	Bolt	-
17	KD1-47927-0940	1	Holder	-
18	KD1-0240-06305	6	Bolt	-
19	KD1-0240-08405	3	Bolt	-
20	KD7-23780-0070	1	Terminal Assembly (includes keys 20-21)	-
21	KD1-09252-0430	1	Gum Cap	-
22	KD1-23611-0080	1	Center Bracket	-
23	KD1-23951-0050	1	Parking	-
24	KD1-0060-08162	4	Dish Screw	-
25	KD1-0476-62047	1	Ball Bearing	-
26	KD1-23100-0120	1	Armature Assembly (includes keys 26-28)	-
27	KD1-21921-1530	1	Washer	-
28	KD1-23921-0170	2	Adjust Washer	-
29	KD0-23230-0150	1	Field Coil Assembly (includes keys 29-30)	-
30	KD1-09211-1120	1	O-ring (not shown)	-
••	KD7-23700-0150	1	Rear Bracket Assembly (includes keys 31-41)	-
31	KD0-23710-0040	1	Rear Bracket	-
32	KD1-25922-2800	4	Plate	-
33	KD1-23740-0050	4	Brush Assembly	-
34	KD1-23913-0040	4	Brush Spring	-
35	KD0-23750-0050	1	Brush Holder Assembly (includes keys 32-35)	-
36	KD7-23351-0060	1	Rear Metal (not shown)	-
37	KD1-0345-05001	1	Seal Washer	-
38	KD0-0020-05062	1	Screw	-
39	KD1-0505-00501	2	O-ring	-
40	KD1-47921-1000	2	Washer	-
41	KD0-09001-4180	2	Bolt	-
42	KD1-0505-00601	2	O-ring	-
43	KD1-47921-0790	2	Washer	-
44	KD0-23901-0030	3	Through Bolt	-
45	KD0-47100-3420	1	Starter Solenoid Assembly (includes keys 45-58)	-
46	KD0-47903-0610	1	Screw	-
47	KD1-47952-0370	1	Gum Cap	-
48	KD1-47120-1660	1	Plunger	-
49	KD1-47943-0780	1	Insulate Bushing	-
50	KD1-47151-0530	1	Moving Contractor	-
51	KD1-47941-0550	1	Insulate Washer	-
52	KD1-47921-1020	2	Adjust Washer	-
53	KD1-47927-1030	1	Holder	-
54	KD1-47914-0090	2	Clip Ring	-
55	KD1-09211-0571	1	O-ring	-
56	KD0-47780-0630	1	Terminal Assembly (includes keys 56-58)	-
57	KD1-0345-05001	2	Seal Washer	-
58	KD0-09011-2120	2	Screw	-
59	KD1-09252-0420	1	Gum Cap	-
60	KD1-09252-0211	1	Gum Cap	-
61	KD1-23320-0100	1	Shift Lever Assembly (includes keys 61-65)	-
62	KD0-23303-0020	1	Lever Pin	-
63	KD1-0345-08001	3	Seal Washer	-
64	KD1-09279-0090	1	Nut	-
65	01010-57640	1	Bolt (not shown)	-
66	6610-81-2210	1	Gasket	-

## DRIVE BELT & APPLICATION GUARD

### Drive Belt & Guard Application Chart

Heat Exchanged

Keel Cooled

Medium Frame Alternators  
12 Volt 65 Amp / 12 Volt 72 Amp / 12 Volt 90 Amp  
24 Volt 35 Amp / 24 Volt 40-42 Amp

Standard or 4 Groove Pulley

Kit	00-04830
Drive Belt	40-44808
Guard	00-74843

Standard or 4 Groove Pulley

Kit	00-04835
Drive Belt	40-44804
Guard	00-74812

with PTO

Kit	00-04860
Drive Belt	40-44805
Guard	00-74852

with PTO

Kit	00-04865
Drive Belt	40-44800
Guard	

Large Frame Alternators  
12 Volt 130-140 Amp / 24 Volt 75 Amp  
24 Volt 100 Amp

Standard or 4 Groove Pulley

Kit	00-04840
Drive Belt	40-44802
Guard	00-04806

Standard or 4 Groove Pulley

Kit	00-04845
Drive Belt	40-44806
Guard	00-74815

with PTO

Kit	00-04870
Drive Belt	40-44802
Guard	00-74844

with PTO

Kit	00-04875
Drive Belt	40-44806
Guard	00-74842

Non-Current Alternators  
12 Volt 60 Amp & 24 Volt 25 Amp Alternator

Standard or 4 Groove Pulley

Kit	00-04820
Drive Belt	40-44805
Guard	00-74843

Standard or 4 Groove Pulley

Kit	00-04825
Drive Belt	40-44800
Guard	00-74812

with PTO

Kit	00-04850
Drive Belt	40-44805
Guard	

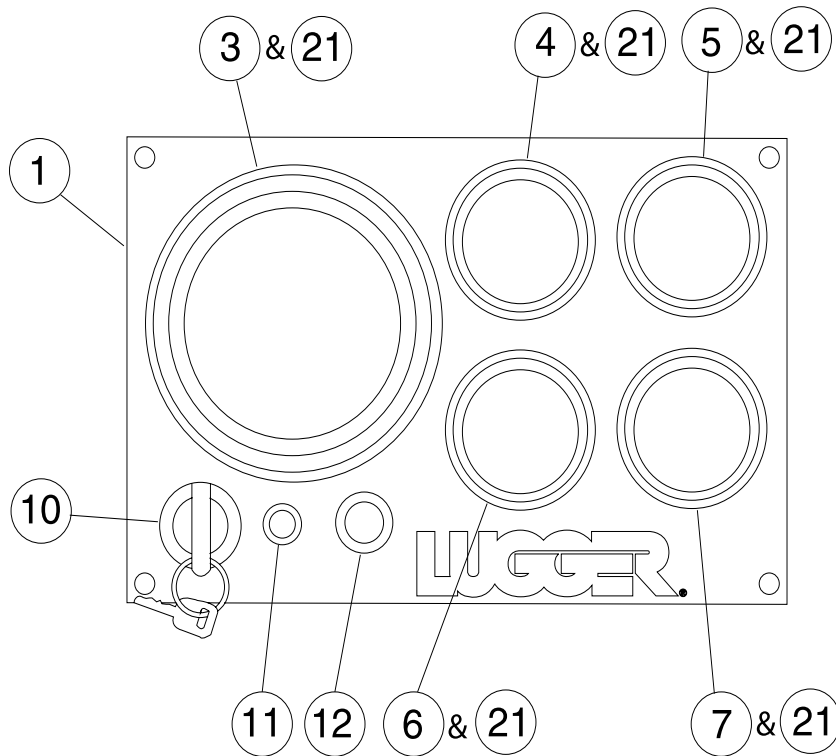
with PTO

Kit	00-04855
Drive Belt	40-44800
Guard	00-74840



ELECTRICAL SYSTEM

MAIN INSTRUMENT PANEL - 12 & 24 VOLT, "SEA DOG" GAUGES

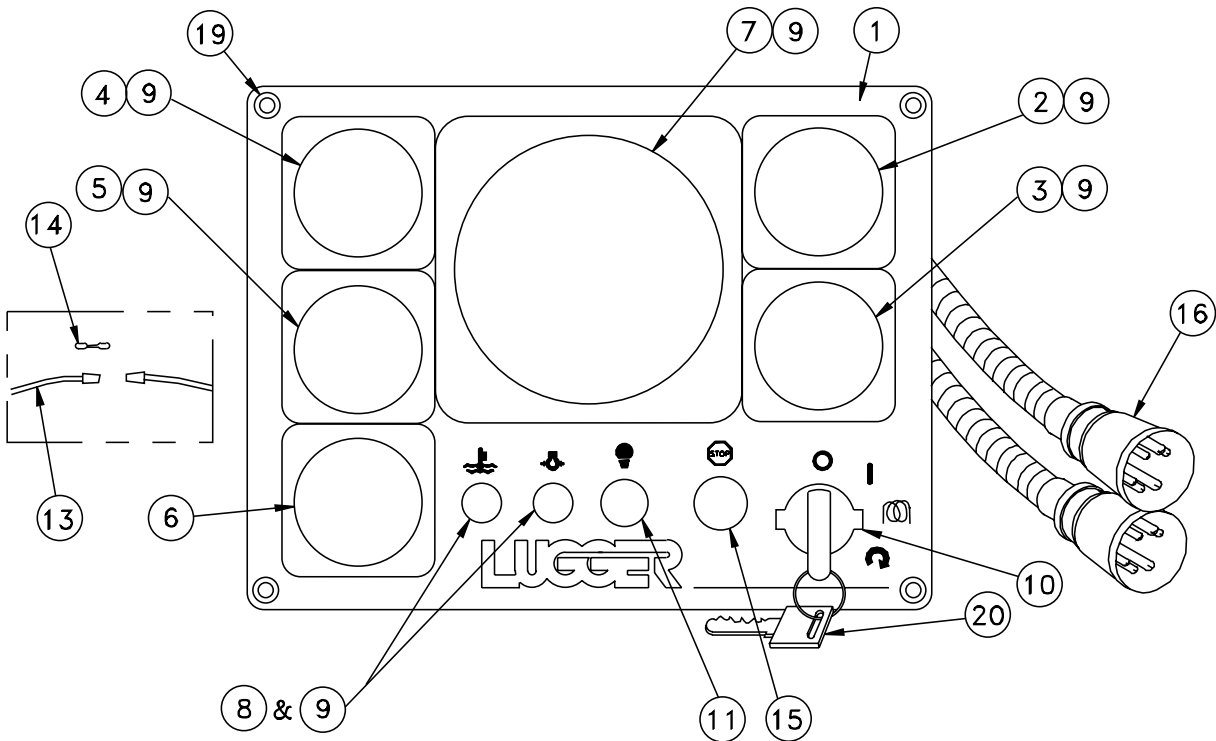


A-2268, A-2333

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-44806	1	24 Volt Instrument Panel (includes all keys)*	-
••	22-44804	1	12 Volt Instrument Panel (includes all keys)*	-
1	37-91000	1	Panel Plate	-
2	22-90003	1	Wire Harness (not shown)	-
3	37-94801	1	Tachometer, 0-3000	-
4	37-92100	1	Oil Pressure Gauge 0-70 PSI	-
5	37-91052	1	Temperature Gauge 250°	-
6	37-91058	1	Voltmeter 12 Volt	-
	37-90004	1	Voltmeter 24 Volt	-
7	37-91059	1	Hourmeter	-
8	16-01002	1	O-ring 3-1/2 ID (not shown)	-
9	16-01001	4	O-ring 1-3/4 ID (not shown)	-
10	37-91005	1	Key Switch	-
11	22-41049	1	Toggle Switch, SPST	-
12	22-43221	2	Push Button, Weather Proof	-
13	00-91052	1	Label "Stop" (not shown)	-
14	22-00044	1	Fuse Holder (not shown)	-
15	22-41008	1	Fuse, 7-1/2 Amp (not shown)	-
16	00-91042	1	Label "Preheat" (not shown)	-
17	22-40004	3	Resistor Kit, 24 Volt Panel (not shown)	-
18	22-44825	1	Jumper Wire Assembly, Black (not shown)	-
19	22-44826	1	Jumper Wire Assembly, Blue (not shown)	-
20	22-44827	1	Jumper Wire Assembly, Purple (not shown)	-
21	22-44852	**	Bulb, Clear 12 Volt	-
	22-44853	**	Bulb, Clear 24 Volt	-
			*Note: No longer available - call for replacement quote.	
			**As required	

ELECTRICAL SYSTEM

MAIN INSTRUMENT PANEL - 12 & 24 VOLT, "BLUELINE" GAUGES

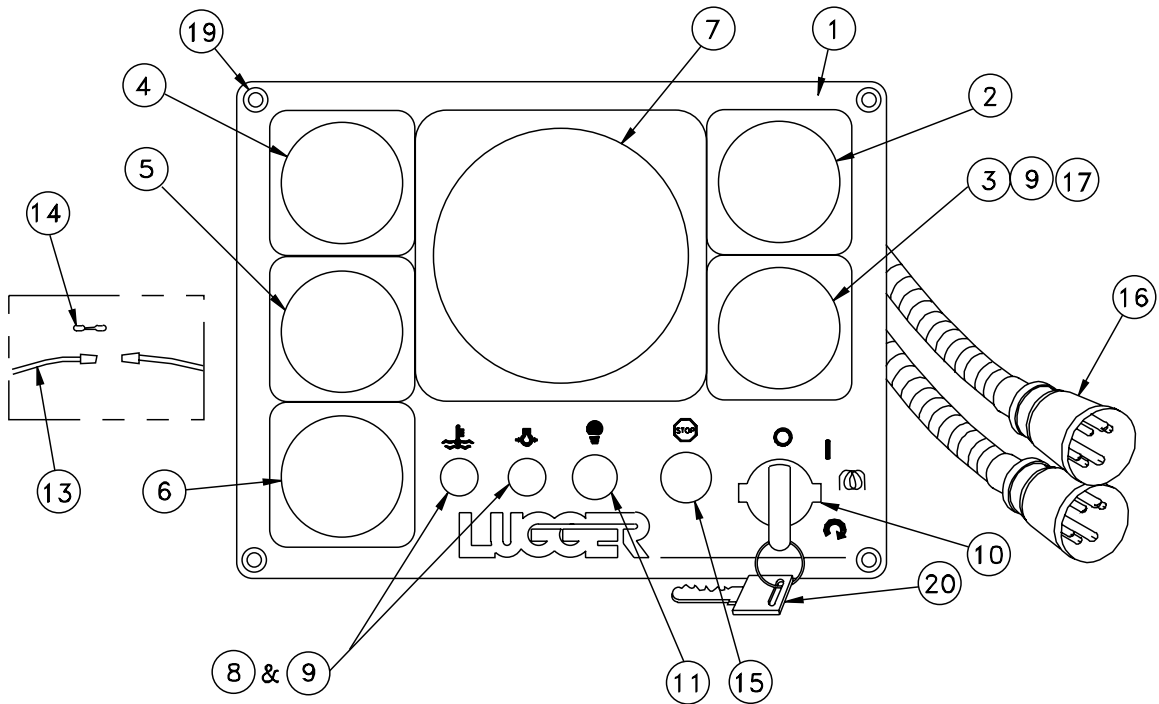


A-3884, A-3992/ B-4734-2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-44860	1	12 Volt Instrument Panel (includes all keys)*	-
••	22-94810	1	24 Volt Instrument Panel (includes all keys)*	-
1	28-94801	1	Panel Plate	-
2	37-91008	1	DC Voltmeter, 12 Volt	-
	37-91034	1	DC Voltmeter, 24 Volt	-
3	37-94806	1	Hourmeter	-
4	37-94805	1	Temperature Gauge, 12 Volt	-
	37-94810	1	Temperature Gauge, 24 Volt	-
5	37-94804	1	Oil Pressure Gauge 0-150 PSI, 12 Volt	-
	37-94811	1	Oil Pressure Gauge 0-50 PSI, 24 Volt	-
6	22-40263	1	Alarm Horn, 12/ 24 Volt (replaces former #'s 22-44854 & 22-44855)	-
7	37-94802	1	Tachometer 0-3000 RPM	-
8	22-44851	2	Fault Lamp Holder, Amber	-
9	22-44852	**	Bulb, Clear 12 Volt	-
	22-44853	**	Bulb, Clear 24 Volt	-
	37-41004	**	Bulb, Red 12 Volt	-
	37-41003	**	Bulb, Red 24 Volt	-
10	37-94803	1	Key Switch	-
11	22-44856	1	Dimmer Switch	-
12	22-41060	2	6 Amp 50 V PIV Diode (not shown)	-
13	22-00044	1	In-line Fuse Holder	-
14	22-41008	1	Fuse, 7-1/2 Amp	-
15	15-91007	1	Push Button N.O. Weather Proof	-
16	22-44859	1	Lugger Instrument Panel Wire Harness	-
17	22-40004	1	24 Volt Resistor Kit (not shown)	-
19	12-90002	4	Self-Tapping Screw #8 x 1" Type AB Phillips	-
			*No longer available - call for replacement quote.	
			**As required	

ELECTRICAL SYSTEM

MAIN INSTRUMENT PANEL 12 & 24 VOLT, "VANGUARD" GAUGES



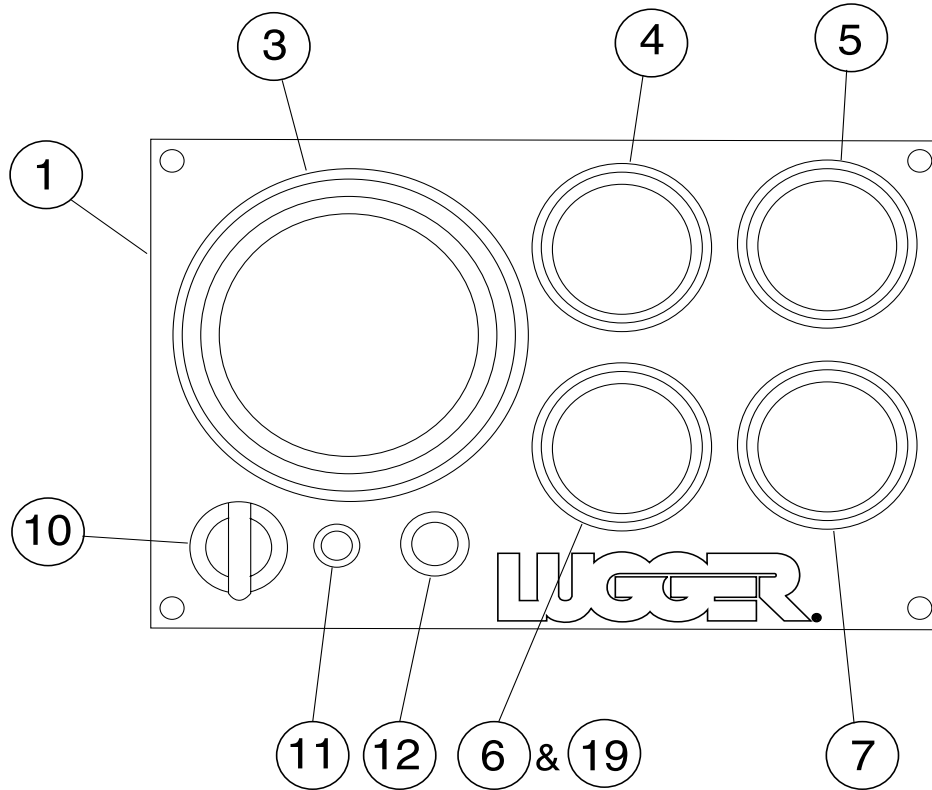
B-4734-2 verB

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-96800	1	24 Volt Main Instrument Panel (includes all keys)	-
••	22-94815	1	12 Volt Main Instrument Panel (includes all keys)	-
1	28-96801	1	Panel Plate	-
2	37-90022	1	Voltmeter, 12 Volt	-
	37-90023	1	Voltmeter, 24 Volt	-
3	37-90024	1	Hourmeter	-
4	37-90025	1	Temperature Gauge, 12 Volt	-
	37-90026	1	Temperature Gauge, 24 Volt	-
5	37-90027	1	Oil Pressure Gauge 0-150 PSI, 12 Volt	-
	37-90028	1	Oil Pressure Gauge 0-150 PSI, 24 Volt	-
6	22-40263	1	Alarm Horn, 12/ 24 Volt	-
	37-90004	1	Voltmeter, 24 Volt	-
7	37-96803	1	Tachometer 0-3000 RPM, 12 Volt	-
	37-96804	1	Tachometer 0-3000 RPM, 24 Volt	-
8	22-44851	2	Fault Lamp Holder, Amber	-
9	22-44852	**	Bulb, Clear 12 Volt	-
	22-44853	**	Bulb, Clear 24 Volt	-
10	37-94803	1	Key Switch	-
11	22-40247	1	Toggle Switch (for Panel Lights)	-
12	22-41060	2	Diode (not shown)	-
13	22-00044	1	Fuse Holder, In-line	-
14	22-41008	1	Fuse, 7-1/2 Amp	-
15	37-91007	1	Push Button, Weather Proof	-
16	22-44859	1	Wire Harness	-
17	22-44861	1	Red Diffuser (for Hourmeter)	-
19	12-90002	4	Screw, Self-Tapping #8 x 1" Type AB Phillips	-
20	37-94814	**	Key	-

\*\*As required

ELECTRICAL SYSTEM

FLYBRIDGE PANEL - 12 VOLT "SEA DOG" GAUGES

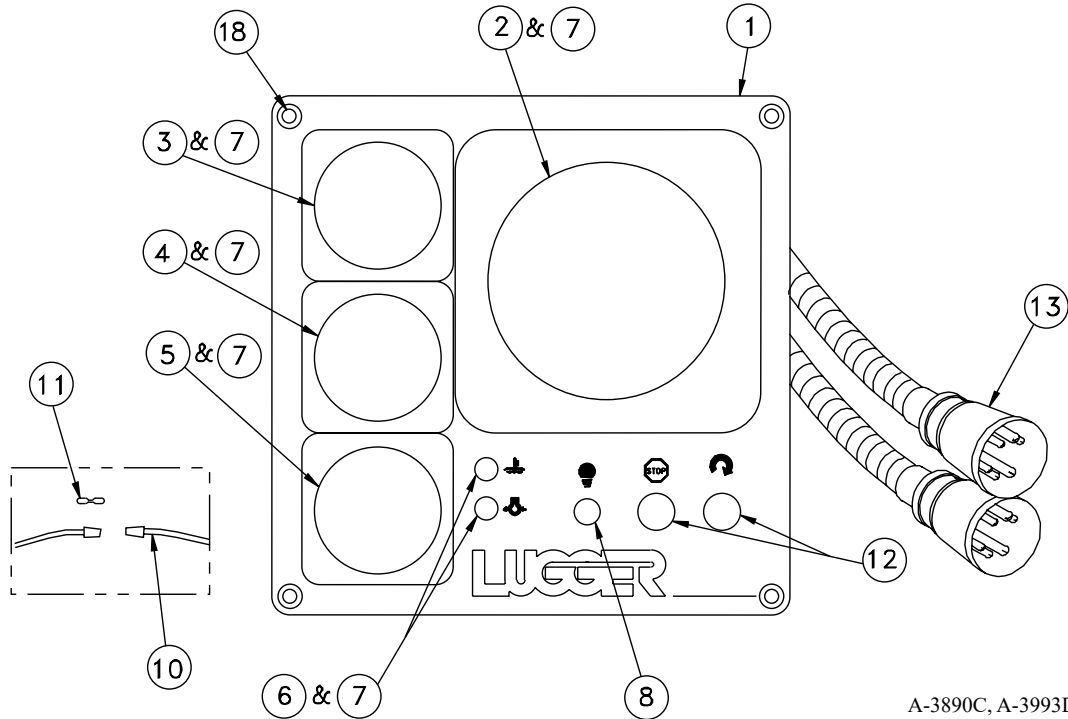


A-2333 /

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-44814	1	12 Volt Instrument Panel (includes all keys)*	-
1	37-91000	1	Panel Plate	-
2	22-90003	1	Wire Harness (not shown)	-
3	37-94801	1	Tachometer, 0-3000 RPM	-
4	37-92100	1	Pressure Gauge 0-70 PSI	-
5	37-91052	1	Temperature Gauge	-
6	37-91058	1	Voltmeter 12 Volt	-
7	00-40015	1	Plug	-
8	16-01002	1	O-ring 3-1/2 ID* (not shown)	-
9	16-01001	4	O-ring 1-3/4 ID* (not shown)	-
10	00-40010	1	Plug	-
11	22-41049	1	Toggle Switch, SPST	-
12	37-91007	1	Push Button, Weather Proof	-
13	00-91041	1	Label "Gauge Lights" (not shown)	-
14	00-91052	1	Label "Stop" (not shown)	-
16	00-91054	1	Label "Start" (not shown)	-
17	22-00044	1	Fuse Holder (not shown)	-
18	22-41008	1	Fuse 7 -1/2 Amp (not shown)	-
19	22-44852	**	Bulb, Clear	-
			*Note: No longer available - call for replacement quote.	
			**As required	

ELECTRICAL SYSTEM

FLYBRIDGE PANEL - 12 & 24 VOLT "BLUE LINE" GAUGES

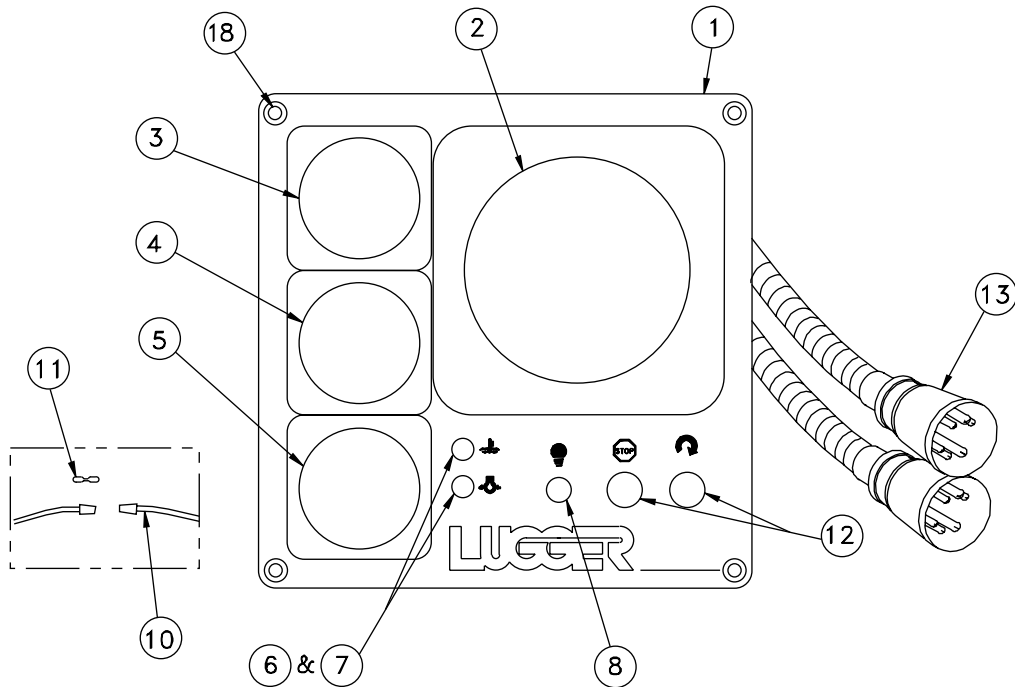


A-3890C, A-3993D / B-4734-3a

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-44880	1	12 Volt Flybridge Panel (includes keys 1-14, 18, & 19)*	-
••	22-94820	1	24 Volt Flybridge Panel (includes keys 1-14, 18, & 19)*	-
1	28-94802	1	Panel Plate	-
2	37-94802	1	Tachometer, 0-3000 RPM	-
3	37-94804	1	Oil Pressure Gauge 0-150 PSI - 12 Volt	-
	37-94811	1	Oil Pressure Gauge 0-150 PSI - 24 Volt	-
4	37-94805	1	Temperature Gauge - 12 Volt	-
	37-94810	1	Temperature Gauge - 24 Volt	-
5	22-40263	1	Alarm Horn - 12/ 24 Volt (replaces former #'s 22-44854 & 22-44855)	-
6	22-44851	2	Fault Lamp Holder, Amber	-
7	22-44852	**	Bulb, Clear - 12 Volt	-
	22-44853	**	Bulb, Clear - 24 Volt	-
	37-41004	**	Bulb, Red - 12 Volt	-
	37-41003	**	Bulb, Red - 24 Volt	-
8	22-44856	1	Dimmer Switch for Panel Lights	-
9	22-41060	2	6 Amp 50 Volt Diode (not shown)	-
10	22-00044	1	In-Line Fuse Holder	-
11	22-41008	1	7.5 Amp Fuse	-
12	37-91007	2	Push Button, Weather Proof	-
13	22-90003	1	Wire Harness	-
14	22-40004	1	Resistor Kit (24 Volt Panel only)	-
15	22-44872	1	Oil Pressure Sender, Dual Station (not shown)	-
16	22-74802	1	Temperature Sender, Dual Station (not shown)	-
17	22-71009	1	Double Plug "Y" Harness (not shown)	-
18	12-90002	4	Self Tapping Screw #8 x 1" Type AB Phillips	-
20	22-41001	1	Extension Harness, 10' (not shown)	-
			**No longer available - call for replacement quote.	
			**As required	

ELECTRICAL SYSTEM

FLYBRIDGE PANEL - 12 & 24 VOLT "VANGUARD" GAUGES

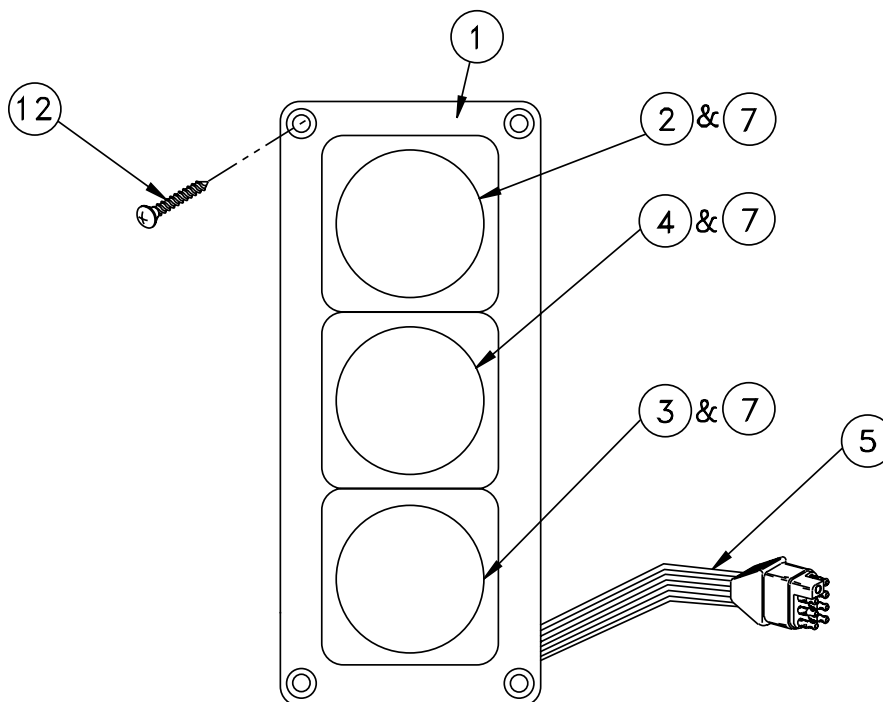


B-4734-3

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-94890	1	12 Volt Flybridge Panel Kit (includes all keys)	-
••	22-96815	1	24 Volt Flybridge Panel Kit (includes all keys)	-
•	22-94889	1	12 Volt Flybridge Panel (includes keys 1-13, & 18)	-
•	22-96814	1	24 Volt Flybridge Panel (includes keys 1-13, & 18)	-
1	28-96802	1	Panel Plate	-
2	37-96803	1	Tachometer, 0-3000 RPM, 12 Volt	-
	37-96804	1	Tachometer, 0-3000 RPM, 24 Volt	-
3	37-90027	1	Oil Pressure Gauge 0-150 PSI - 12 Volt	-
	37-90028	1	Oil Pressure Gauge 0-150 PSI - 24 Volt	-
4	37-90025	1	Temperature Gauge - 12 Volt	-
	37-90026	1	Temperature Gauge - 24 Volt	-
5	22-40263	1	Alarm Horn - 12/ 24 Volt (replaces former #'s 22-44854 & 22-44855)	-
6	22-44851	2	Fault Lamp Holder, Amber	-
7	22-44852	**	Bulb, Clear - 12 Volt	-
	22-44853	**	Bulb, Clear - 24 Volt	-
8	22-40247	1	Toggle Switch (for Panel Lights)	-
9	22-41060	2	6 Amp 50 Volt Diode (not shown)	-
10	22-00044	1	In-Line Fuse Holder	-
11	22-41008	1	7.5 Amp Fuse	-
12	37-91007	2	Push Button, Weather Proof	-
13	22-90003	1	Wire Harness	-
15	22-44872	1	Oil Pressure Sender, Dual Station (not shown)	-
16	22-74802	1	Temperature Sender, Dual Station (not shown)	-
17	22-71009	1	Double Plug "Y" Harness (not shown)	-
18	12-90002	4	Self Tapping Screw #8 x 1" Type AB Phillips	-
19	21-51099	1	Bushing, Brass 3/4 NPT x 1/4 NPT (not shown)	-
20	22-41001	1	Extension Harness, 10' (not shown)	-
			**As required	

ELECTRICAL SYSTEM

AUXILIARY PANEL - 12 & 24 VOLT "BLUE LINE" GAUGES

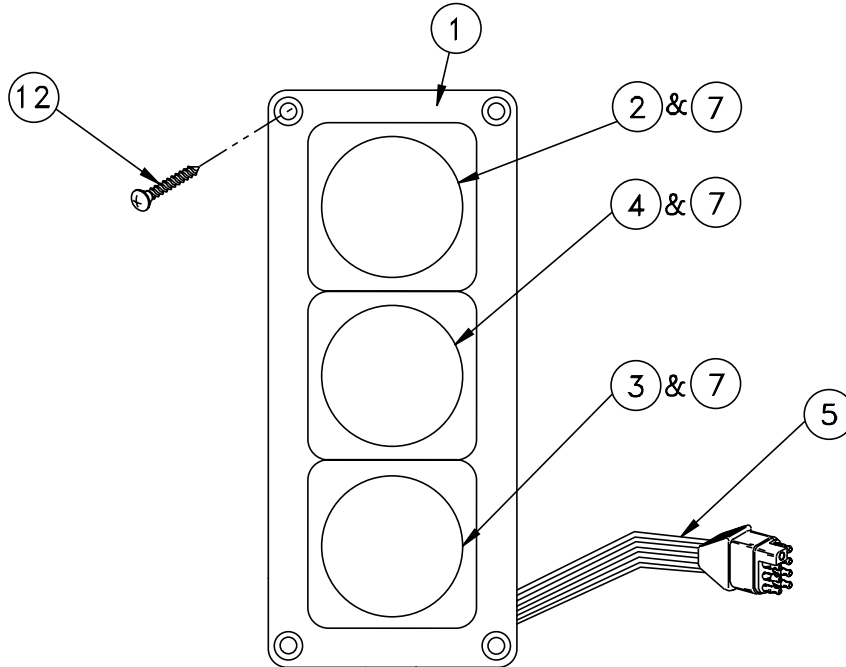


A-3892C, A-3888C, A-4383, A-4384/ B-6747

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-44869	1	Auxiliary Panel, 12 Volt (includes keys 1-7)*	-
••	22-45019	1	Auxiliary Panel, 24 Volt (includes keys 1-7)*	-
1	28-74801	1	Panel Plate	-
2	37-94809	1	Pyrometer Assembly (includes Thermocouple & Harness)	-
	37-94816	1	Pyrometer (Gauge only)	-
	22-75006	1	Harness	-
	22-75007	1	Thermocouple	-
3	37-94807	**	Oil Pressure Gauge 0-350 PSI - 12 Volt	-
	37-94812	**	Oil Pressure Gauge 0-350 PSI - 24 Volt	-
	37-90019	**	Oil Pressure Gauge 0-400 PSI - 12 Volt	-
4	37-94808	1	Pressure Gauge 0-30 PSI - 12 Volt	-
5	22-44865	1	Wire Harness	-
6	22-40004	**	Resistor Kit - 24 Volt Panel Only (not shown)	-
7	22-44852	**	Bulb, Clear - 12 Volt	-
	22-44853	**	Bulb, Clear - 24 Volt	-
	37-41004	**	Bulb, Red - 12 Volt	-
	37-41003	**	Bulb, Red - 24 Volt	-
8	22-41094	1	Pressure Sender 0-30 PSI (not shown)	-
9	22-44873	**	Oil Pressure Sender 0-350 PSI (not shown)	-
	22-40239	1	Pressure Sender 400 PSI (not shown)	-
10	21-00139	1	Adapter 1/8 BSPT x 1/8 NPT (not shown)	-
11	22-94803	1	Extension Harness 3 Ft. (not shown)	-
12	12-90002	4	Self Tapping Screw #8 x 1" Type AB Phillips	-
			*Note: No longer available - call for replacement quote.	
			**As required	

ELECTRICAL SYSTEM

AUXILIARY PANEL - 12 & 24 VOLT "BLUE LINE" GAUGES



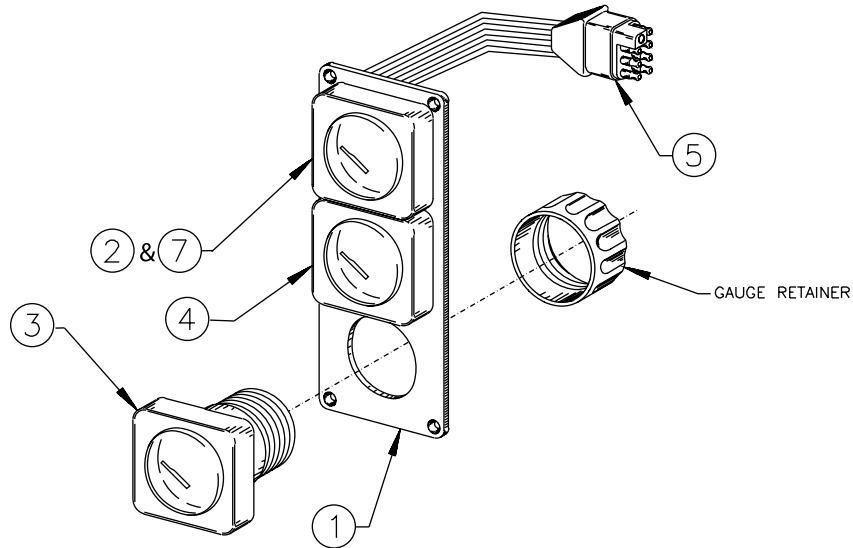
A-6040, A-6042, A-6041, A-6043/ B-6747

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
•	22-40218	1	Auxiliary Panel, 12 Volt (includes keys 1-7)*	-
•	22-45019	1	Auxiliary Panel, 24 Volt (includes keys 1-7)*	-
1	28-74801	1	Panel Plate	-
2	37-94809	1	Pyrometer Assembly (includes Thermocouple & Harness)	-
	37-94816	1	Pyrometer (Gauge only)	-
	22-75006	1	Harness	-
	22-75007	1	Thermocouple	-
3	37-94807	**	Oil Pressure Gauge 0-350 PSI - 12 Volt	-
	37-94812	**	Oil Pressure Gauge 0-350 PSI - 24 Volt	-
	37-90019	**	Oil Pressure Gauge 0-400 PSI - 12 Volt	-
	37-91048	**	Pressure Gauge 0-80 PSI - 24 Volt	-
4	37-91001	1	Pressure Gauge 0-80 PSI - 12 Volt	-
5	22-44865	1	Wire Harness	-
6	22-40004	**	Resistor Kit - 24 Volt Panel Only (not shown)	-
7	22-44852	**	Bulb, Clear - 12 Volt	-
	22-44853	**	Bulb, Clear - 24 Volt	-
	37-41004	**	Bulb, Red - 12 Volt	-
	37-41003	**	Bulb, Red - 24 Volt	-
8	22-41016	1	Pressure Sender 0-80 PSI (not shown)	-
9	22-44873	**	Oil Pressure Sender 0-350 PSI (not shown)	-
	22-40239	**	Pressure Sender 0-400 PSI (not shown)	-
10	21-00139	1	Adapter 1/8 BSPT x 1/8 NPT (not shown)	-
11	22-94803	1	Extension Harness 3 Ft. (not shown)	-
12	12-90002	4	Self Tapping Screw #8 x 1" Type AB Phillips	-
			*Note: No longer available, call for replacement quote.	
			**As required	



ELECTRICAL SYSTEM

AUXILIARY PANEL - 12 & 24 VOLT "VANGUARD" GAUGES

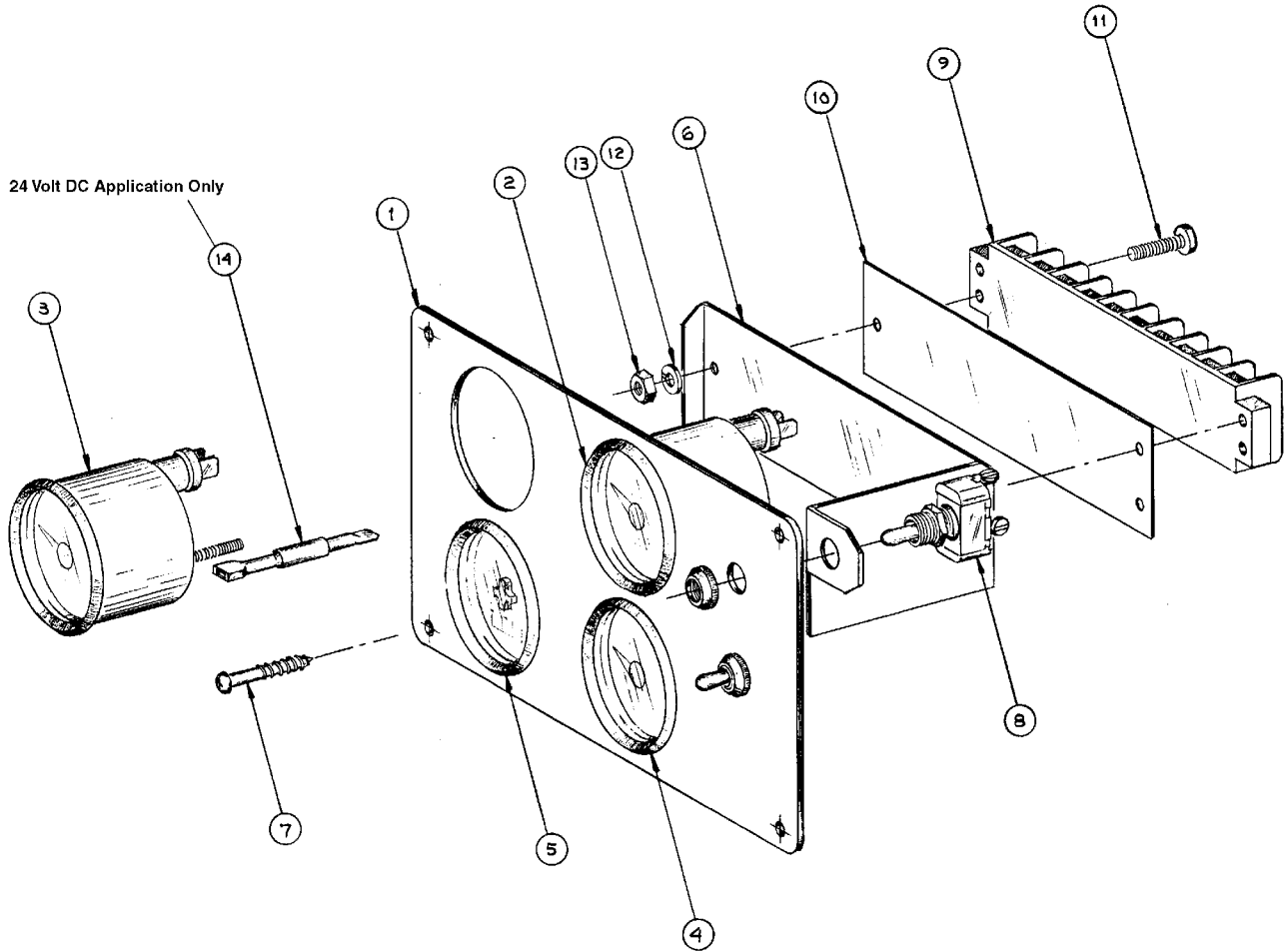


A-6901, A-6902, A-6903, A-6904/ B-4766

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-96830	1	Auxiliary Panel, 12 Volt (includes all keys)	-
••	22-96835	1	Auxiliary Panel, 24 Volt (includes all keys)	-
••	22-96829	1	Auxiliary Panel, 12 Volt (includes keys 1-7)	-
••	22-96834	1	Auxiliary Panel, 24 Volt (includes keys 1-7)	-
1	28-74801	1	Panel Plate	-
2	37-90029	1	Pyrometer Assembly (includes Thermocouple & Harness)	-
	22-75007	1	Thermocouple	-
	37-90030	1	Pyrometer (Gauge only)	-
	22-75006	1	Harness	-
	21-34802	1	Pyrometer Probe Connector (not shown)	-
3	37-90035	1	Oil Pressure Gauge 0-400 PSI - 12 Volt	-
	37-90036	1	Oil Pressure Gauge 0-400 PSI - 24 Volt	-
4	37-90061	1	Pressure Gauge 0-80 PSI - 12 Volt	-
	37-90062	1	Pressure Gauge 0-80 PSI - 24 Volt	-
5	22-44865	1	Wire Harness	-
6	12-90002	4	Self Tapping Screw #8 x 1" (not shown)	-
7	22-44852	**	Bulb, Clear - 12 Volt	-
	22-44853	**	Bulb, Clear - 24 Volt	-
8	22-42803	1	Pressure Sender 0-80 PSI (not shown)	-
9	22-40239	1	Oil Pressure Sender 0-400 PSI (not shown)	-
	22-40239	1	Pressure Sender 400 PSI (not shown)	-
10	21-00139	1	Adapter 1/8 BSPT x 1/8 NPT (not shown)	-
11	22-94803	1	Extension Harness 3 Ft. (not shown)	-
			**As required	

ELECTRICAL SYSTEM

S-3C CONTROL PANEL 12 & 24 VOLT

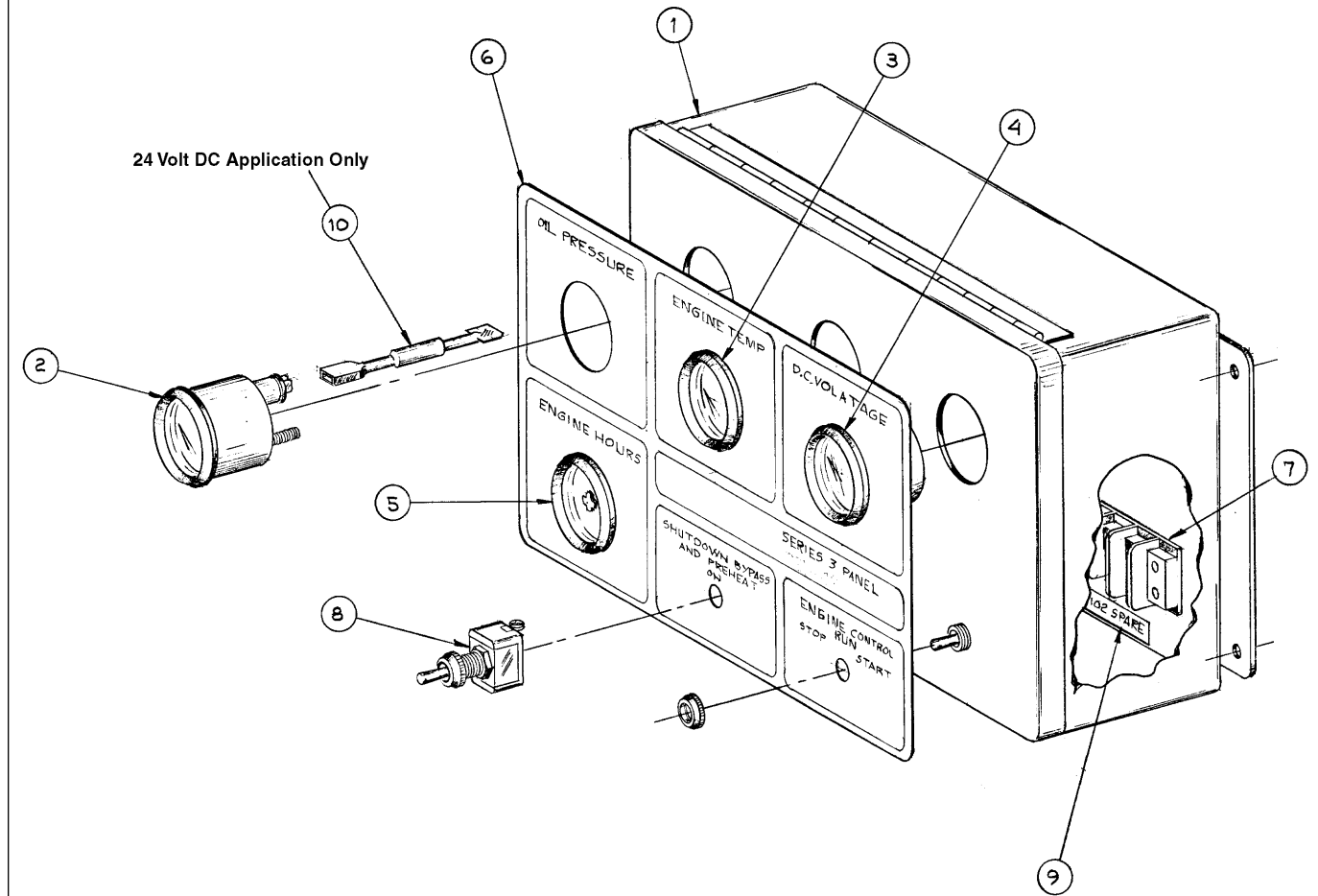


A-7075, A-7076/ C-2465

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-96855	1	S-3C Control Panel Assembly, 12 Volt (includes all keys)	-
••	22-96850	1	S-3C Control Panel Assembly, 24 Volt (includes all keys)	-
1	28-90010	1	Plate	-
2	37-40015	1	Pressure Gauge, 0-150 PSI	-
3	37-40011	1	Temperature Gauge, 250°	-
4	37-40012	1	DC Volt Meter, 12 Volt	-
	37-40014	1	DC Volt Meter, 24 Volt	-
5	37-40020	1	Hour Meter (not illuminated - replaces 22-40013)	-
6	23-90014	1	Bracket (replaces 23-91019)	-
7	12-90001	4	Screw, Philips Round Head #6 x 1" Black	-
8	22-41051	2	Switch	-
9	22-41077	1	Terminal Strip	-
10	22-00052	1	Number Strip	-
11	12-00005	2	Machine Screw, #8-32 x 3/4"	-
12	15-00000	2	Lock Washer, Helical #8	-
13	14-00000	2	Hex Nut, Steel #8-32	-
14	22-40004	2	Resistor Kit (24 Volt Panel only)	-
15	22-44852	**	Bulb, 12 Volt*	-
	22-44853	**	Bulb, 24 Volt*	-
16	22-40245	1	Wire Harness*	-
			*Not shown	
			**As required	

ELECTRICAL SYSTEM

S-3B CONTROL PANEL 12 & 24 VOLT



A-7073, A-7074/ C-2470

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-96845	1	S-3B Control Panel Assembly, 12 Volt (includes all keys)	-
••	22-96840	1	S-3B Control Panel Assembly, 24 Volt (includes all keys)	-
1	39-40008	1	Enclosure	-
2	37-40015	1	Pressure Gauge 0-150 PSI	-
3	37-40011	1	Temperature Gauge 250° F	-
4	37-40012	1	DC Volt Meter, 12 Volt	-
	37-40014	1	DC Volt Meter, 24 Volt	-
5	37-40020	1	Hour Meter (not illuminated - replaces 22-40013)	-
6	00-91018	1	Decal	-
7	22-41077	1	Terminal Strip	-
8	22-41051	2	Switch	-
9	22-00052	1	Number Strip	-
10	22-40004	2	Resistor Kit (24 Volt Panel only)	-
11	22-44852	**	Bulb, 12 Volt *	-
	22-44853	**	Bulb, 24 Volt *	-
12	22-40257	1	Wire Harness *	-
13	16-01001	4	O-ring (for Gauge mounting)*	-
			*Not shown	**As required

GASKET SETS

LUGGER & MARINE GENERATOR SETS

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	29-04800	1	Cylinder Head Gasket Set (includes keys #1-29)	-
1	6150-17-1812	6	Head Gasket	-
2	6140-41-4540	12	Exhaust Valve Seal	-
3	6150-11-7810	6	Rocker Arm Gasket	-
4	6150-11-8810	6	Rocker Cover Gasket	-
5	6150-11-8820	24	Rubber	-
6	6150-11-4810	12	Aftercooler Gasket	-
7	6150-11-5810	6	Exhaust Manifold Gasket	-
8	02893-05043	10	Water Manifold O-ring	-
9	6150-11-6310	6	Water Manifold Gasket	-
10	6138-11-6810	2	Thermostat Gasket	-
11	6152-61-6720	2	After Cooler Connector Gasket	-
12	07000-02021	2	O-ring	-
13	07000-03030	1	O-ring	-
14	07000-65065	6	Nozzle Holder O-ring	-
15	07005-01012	12	Nozzle Holder Gasket	-
16	6150-61-6830	1	Water Pump Connector Gasket	-
17	16-01000	1	O-ring, Turbo Coolant Return	-
18	11-24800	1	Air Inlet Connector Gasket	-
19	11-34804	1	Turbo Gasket	-
20	11-31014	1	Turbo Oil Inlet Gasket	-
21	11-31013	1	Turbo Oil Return Gasket	-
22	11-34800	6	Exhaust Gasket	-
23	11-14800	2	Cooling Water Connector Gasket	-
24	16-14804	5	Cooling Water Connector and Filler Neck O-ring	-
25	11-34803	1	Exhaust Elbow Gasket	-
26	16-14803	2	Expansion Tank O-ring	-
27	11-34801	3	Turbo Gasket	-
28	16-25002	4	Air Inlet Tube O-ring	-
29	11-34808	1	Turbo Exhaust Gasket	-
30	11-14804	2	Heat Exchanger Coolant Connection Gasket	-
31	16-00003	1	Filler Neck O-ring	-
32	16-14802	2	O-ring	-
33	11-34806	1	Gasket, Turbo Plate to Adapter Plate	-
34	11-31615	1	Gasket, Turbo/ Exhaust Mtg.	-
35	11-35702	1	Gasket, Turbo Mtg.	-
••	29-04805	1	Cylinder Block Gasket Kit (Includes keys #1-34)	-
1	07002-22434	1	O-ring	-
2	07002-23034	1	O-ring	-
3	6150-21-1190	2	O-ring	-
4	6150-21-2230	6	Lower O-ring	-
5	6150-21-2240	6	Upper O-ring	-
6	6150-21-2250	6	Crevice Seal	-
7	07005-01412	2	Sealing Washer	-
8	07005-01012	2	Gasket	-
9	6150-61-6910	1	Water Connector Mounting Gasket	-
10	6114-21-5190	1	Cover O-ring	-
11	6150-21-6460	3	Cover O-ring	-

## GASKET SETS

**LUGGER & MARINE GENERATOR SETS *CONTINUED***

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
12	6136-11-8142	9	Packing	-
13	07005-01412	1	Sealing Washer	-
14	6150-21-3230	1	Front Support Seal	-
15	07000-03030	1	Shaft O-ring	-
16	6150-21-5811	1	Oil Pan Gasket	-
17	07002-03634	1	Drain Plug O-ring	-
18	6150-21-4230	1	Rear Seal	-
19	6150-51-1710	1	Ring	-
20	6150-51-1720	1	Ring	-
21	07000-63045	1	Strainer O-ring	-
22	07000-63035	1	Adapter O-ring	-
23	07000-62020	1	Adapter O-ring	-
24	07000-62015	1	Adapter O-ring	-
25	07000-63028	1	Adapter O-ring	-
26	6124-61-2181	3	Grommet	-
27	6150-61-2812	1	Oil Cooler Gasket	-
28	07005-01012	4	Oil Inlet Tube Gasket	-
29	07005-01412	4	Oil Outlet Tube Gasket	-
30	07005-01412	8	Oil Outlet Tube Gasket	-
31	07000-02125	1	O-ring	-
32	07005-00812	2	Overflow Gasket	-
33	07005-01412	8	Fuel Filter Gasket	-
34	6151-71-3150	1	Injection Pump Drive Packing	-
••	29-14800	1	Coolant Pump Gasket Kit (includes keys #1-8)	-
1	6150-61-1510	1	Water Seal	-
2	6150-61-1520	1	Water Seal	-
3	6151-61-1161	1	Cover Gasket	-
4	07000-02115	1	O-ring	-
5	6150-61-1820	2	Gasket	-
6	07005-01412	1	Gasket	-
7	11-14806	1	Gasket	-

## GASKET SETS

## INDUSTRIAL GENERATOR SETS

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6152-K1-9901	1	Cylinder Head Gasket Kit (includes keys #1-30, formerly 6152-K1-9900)	-
1	02893-05043	6	O-ring	-
2	07000-02021	2	O-ring	-
3	07000-03030	1	O-ring	-
4	07000-65065	6	O-ring	-
5	07005-00812	12	Gasket	-
6	07005-01012	12	Gasket	-
7	07005-01412	2	Gasket	-
8	07005-01612	1	Gasket	-
9	08034-00414	1	Band	-
10	6127-81-4821	1	Gasket	-
11	6138-11-6810	2	Gasket	-
12	6140-41-4540	12	Seal	-
13	6150-17-1812	6	Gasket	-
14	6150-11-4810	12	Gasket	-
15	6150-11-5750	2	Gasket	-
16	6150-11-5810	6	Gasket	-
17	6150-11-6310	6	Gasket	-
18	6150-11-7810	6	Gasket	-
19	6150-11-8810	6	Gasket	-
20	6150-11-3820	24	Rubber	-
21	6150-61-6830	1	Gasket	-
22	6151-11-5270	1	Seal	-
23	6151-11-5291	2	Ring	-
24	6151-11-5710	1	Gasket	-
25	6151-51-8150	1	Gasket	-
26	6151-51-8160	1	Gasket	-
27	6152-11-4710	2	Gasket	-
28	6152-11-4720	1	Gasket	-
29	6152-61-6720	2	Gasket	-
30	6162-63-6240	4	O-ring	-
••	29-04805	1	Cylinder Block Gasket Kit (includes keys #1-44)	-
1	07000-02020	1	O-ring	-
2	07000-02115	1	O-ring	-
3	07000-02125	1	O-ring	-
4	07000-03030	1	O-ring	-
5	07000-62015	1	O-ring	-
6	07000-62020	1	O-ring	-
7	07000-63028	3	O-ring	-
8	07000-63035	1	O-ring	-
9	07000-63042	1	O-ring	-
10	07000-63045	1	O-ring	-
11	07002-22434	1	O-ring	-
12	07002-23034	1	O-ring	-
13	07005-00812	2	Gasket	-
14	07005-01012	5	Gasket	-
15	07005-01412	21	Gasket	-
16	07005-01612	1	Gasket	-

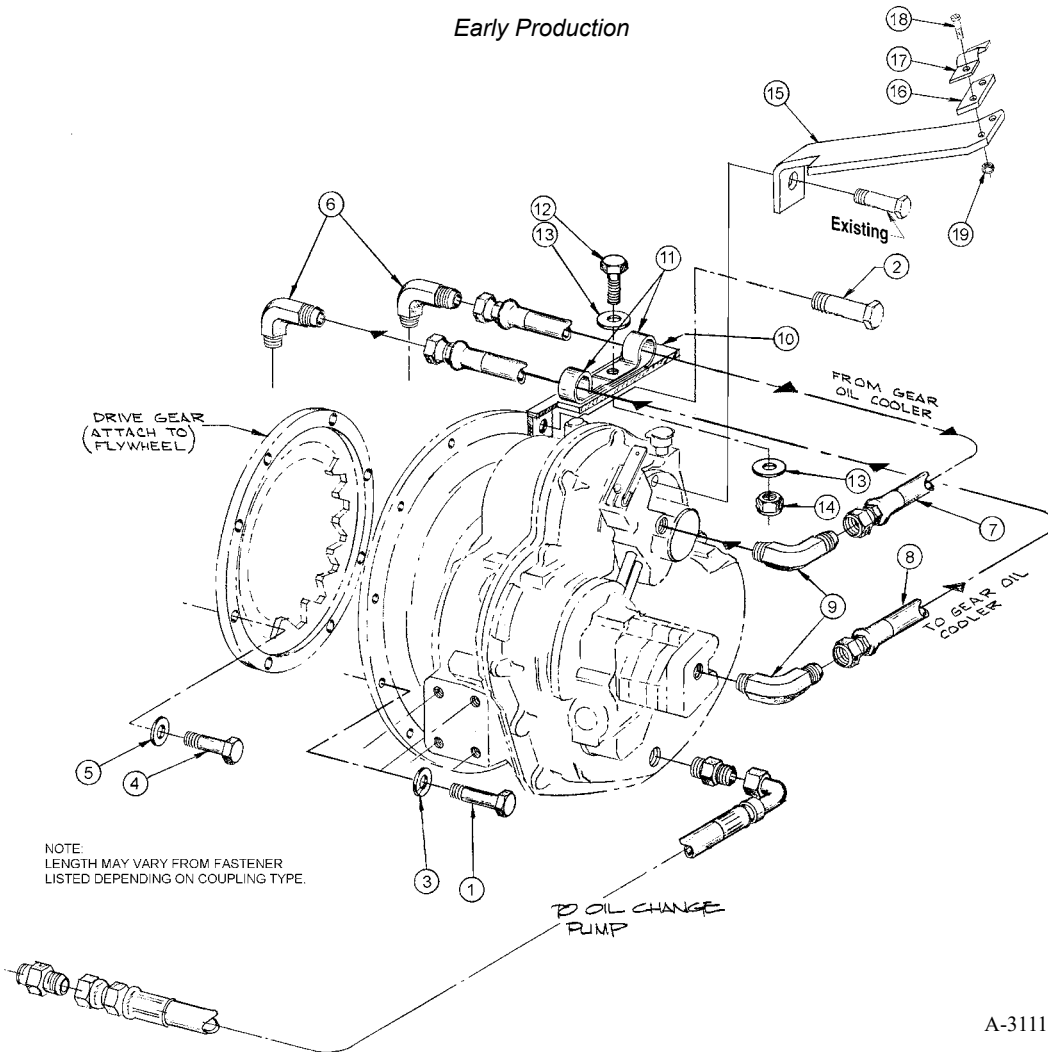
## GASKET SETS

INDUSTRIAL GENERATOR SETS *CONTINUED*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
17	07005-02416	11	Gasket	-
18	08034-00414	3	Band	-
19	6114-21-5190	1	O-ring	-
20	6124-61-2181	3	Grommet	-
21	6130-82-5270	1	Gasket	-
22	6136-11-8142	9	Packing	-
23	6150-21-1190	2	O-ring	-
24	6150-21-2230	6	O-ring	-
25	6150-21-2240	6	O-ring	-
26	6150-21-2250	6	Crevice Seal	-
27	6150-21-3230	1	Seal	-
28	6150-21-4230	1	Seal	-
29	6150-21-4740	1	Gasket	-
30	6150-21-5811	1	Gasket	-
31	6150-21-6480	3	O-ring	-
32	6150-51-1710	1	Ring	-
33	6150-51-1720	1	Ring	-
34	6150-61-1820	2	Gasket	-
35	6150-81-2510	2	O-ring	-
36	6150-61-2540	1	Seal	-
37	6150-61-2550	1	O-ring	-
38	6150-61-2560	2	Gasket	-
39	6150-61-2812	1	Gasket	-
40	6150-71-1910	1	Oil Seal	-
41	6151-71-3150	1	Seal	-
42	6162-53-5430	1	Packing	-
43	6162-73-1960	1	Washer	-
44	6610-81-2210	1	Gasket	-
••	29-14800	1	Coolant Pump Gasket Kit (includes keys 1-7)	-
1	07000-02115	1	O-ring	-
2	07005-01412	1	Gasket	-
3	6150-61-1510	1	Seal	-
4	6150-61-1520	1	Seal	-
5	6150-61-1820	2	Gasket	-
6	11-14806	1	Gasket	-
7	6151-61-1161	1	Gasket	-

REVERSE GEAR ATTACHING - MG507-2, MG507A-2

Early Production



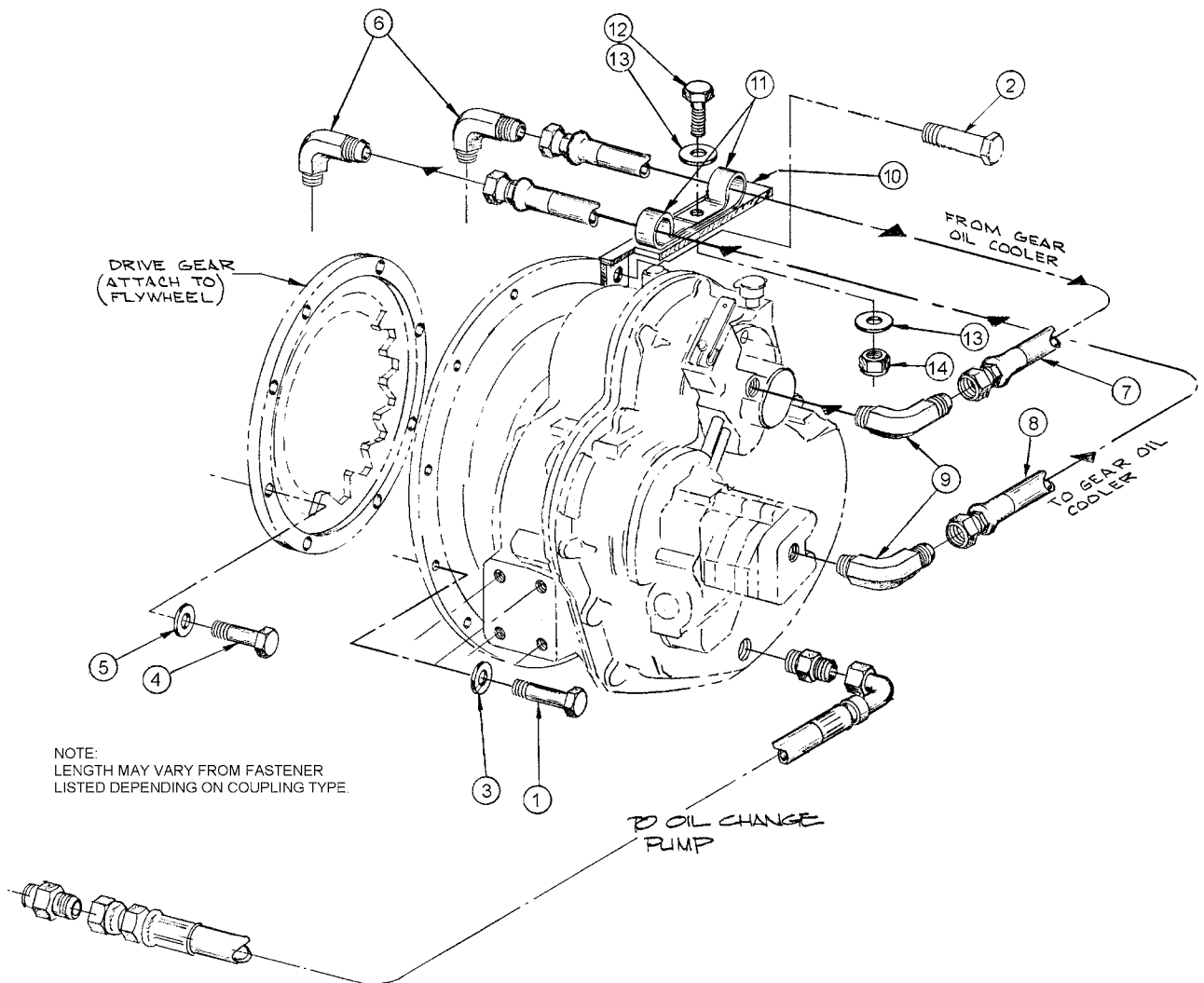
A-3111M / C-2091ver B

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	12-00814	11	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
2	12-00812	1	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
3	15-00802	12	Lock Washer M10	-
4	12-00831	8	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
5	15-00805	8	Flat Washer M10	-
6	21-62512	2	Male Elbow 90° Steel 3/4 NPT x 1/2 -37T	-
7	18-62507	1	Hose Assembly 1/2" ID x 72"	-
8	18-62507	1	Hose Assembly 1/2" ID x 72"	-
9	21-62508	2	Male Elbow 90° Steel 3/8 NPT x 1/2 -37T	-
10	23-62516	1	Bracket, Plumbing Support	-
11	19-71031	2	Adelle Clamp	-
12	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
13	15-00301	2	Flat Washer M10	-
14	14-00812	1	Hex Nut, Nylock M10	-
15	23-91018	1	Bracket, Gear Control	-
16	23-91002	1	Clamp Shim	-
17	23-91001	1	Cable Clamp	-
18	12-00001	2	Machine Screw, BH Slotted #10-32 x 3/4" S/S	-
19	14-00006	2	Hex Nut, Nylock #10	-



**GEAR ATTACHING PARTS - MG507-2, MG507A-2, MG5081**

Late Production

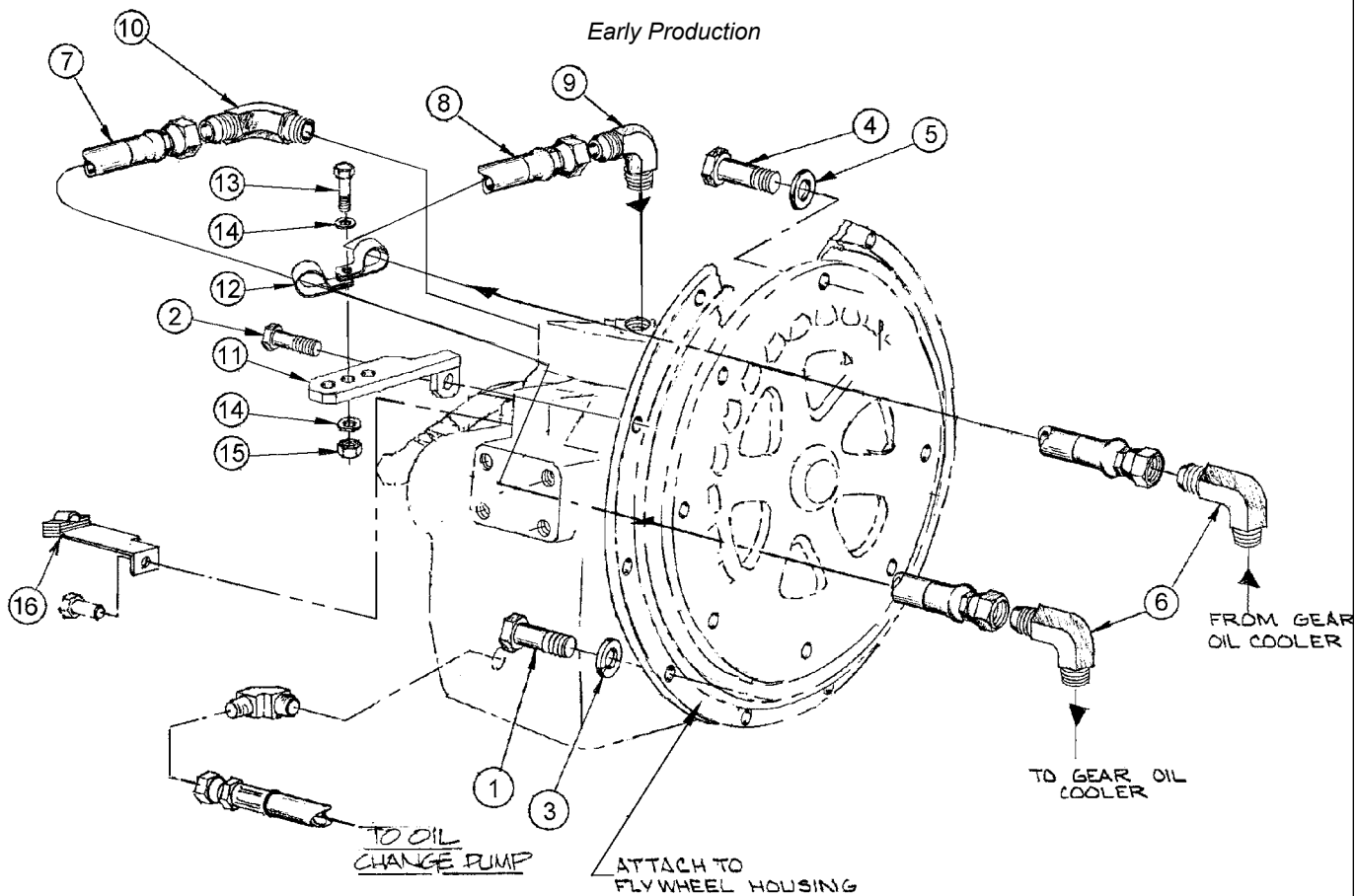


A-3397/ C-2091z

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	12-00814	11	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
2	12-00812	1	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
3	15-00802	12	Lock Washer M10	-
4	12-00831	8	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
5	15-00804	8	Wave Washer M10	-
6	21-62509	2	Male Elbow 90°, Steel 3/4 NPT x 5/8-37T	-
7	18-64824	1	Hose Assembly 5/8" ID x 65"	-
8	18-64825	1	Hose Assembly 5/8" ID x 76"	-
9	21-62513	2	Male Elbow 90° Steel 3/8 NPT x 5/8-37T	-
10	23-62516	1	Bracket, Plumbing Support	-
11	19-71031	2	Adelle Clamp 1-1/4" ID x 1/2" Stud	-
12	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
13	15-00805	2	Flat Washer M10	-
14	14-00812	1	Hex Nut, Nylock M10 x 1.5	-

**GEAR ATTACHING MG509, MG5091**

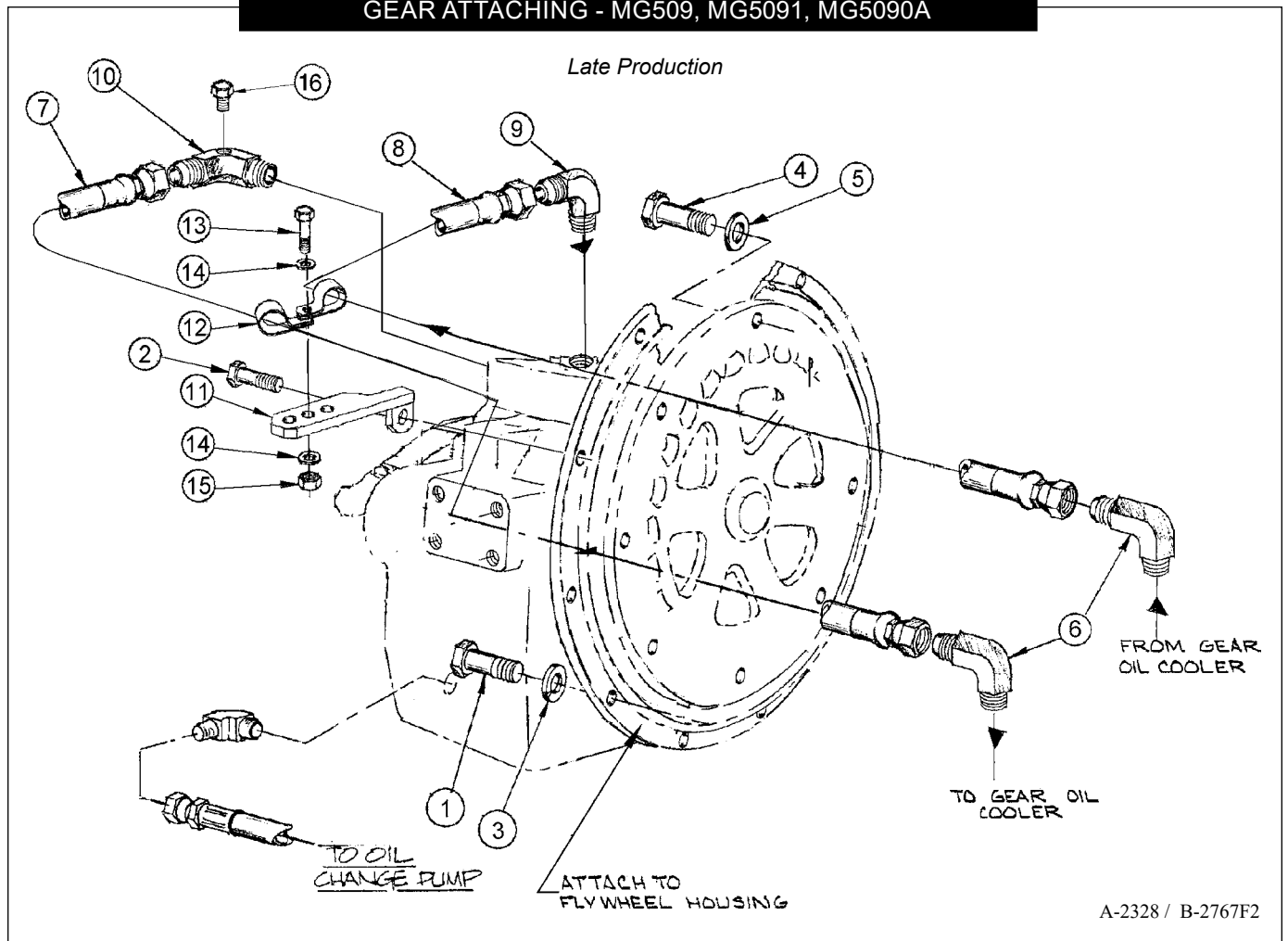
Early Production



A-2355 / B-2767F

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	12-00814	11	Capscrew, Hex Head M10 x 1.5 x 35 mm, SAE #2/ #11-1/2	-
	12-00954	11	Capscrew, Hex Head M12 x 1.75 x 35 mm, SAE #1/ #14	-
2	12-00812	1	Capscrew, Hex Head M10 x 1.5 x 40 mm, SAE #2/ #11-1/2	-
	12-04802	1	Capscrew, Hex Head M12 x 1.75 x 40 mm, SAE #1/ #14	-
3	15-00802	12	Lock Washer M10, SAE #2	-
	15-00912	12	Lock Washer M12, SAE #1	-
4	12-00814	8	Capscrew, Hex Head M10 x 1.5 x 35 mm, SAE #2/ #11-1/2	-
	12-00954	8	Capscrew, Hex Head M12 x 1.75 x 35 mm, SAE #1/ #14	-
5	15-00805	8	Flat Washer M10, SAE #2	-
	15-00007	8	Flat Washer M12, SAE #1	-
6	21-62512	2	90° Fitting, 3/4 NPT x 1/2 -37T	-
7	18-62507	1	Hose Assembly 1/2" x 72"	-
8	18-62507	1	Hose Assembly 1/2" x 72"	-
9	21-62512	1	90° Fitting, 3/4 NPT x 1/2 -37T	-
10	21-62512	1	90° Fitting, 3/4 NPT x 1/2 -37T	-
11	23-62516	1	Bracket, Plumbing Support SAE #2/ #11-1/2	-
	23-62517	1	Bracket, Plumbing Support SAE #1/ #14	-
12	19-71031	2	Adelle Clamp	-
13	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
14	15-00805	2	Flat Washer M10	-
15	14-00812	1	Hex Nut, Nylock M10 x 1.5	-
16	23-61013	1	Gear Control Bracket Kit	-

**GEAR ATTACHING - MG509, MG5091, MG5090A**

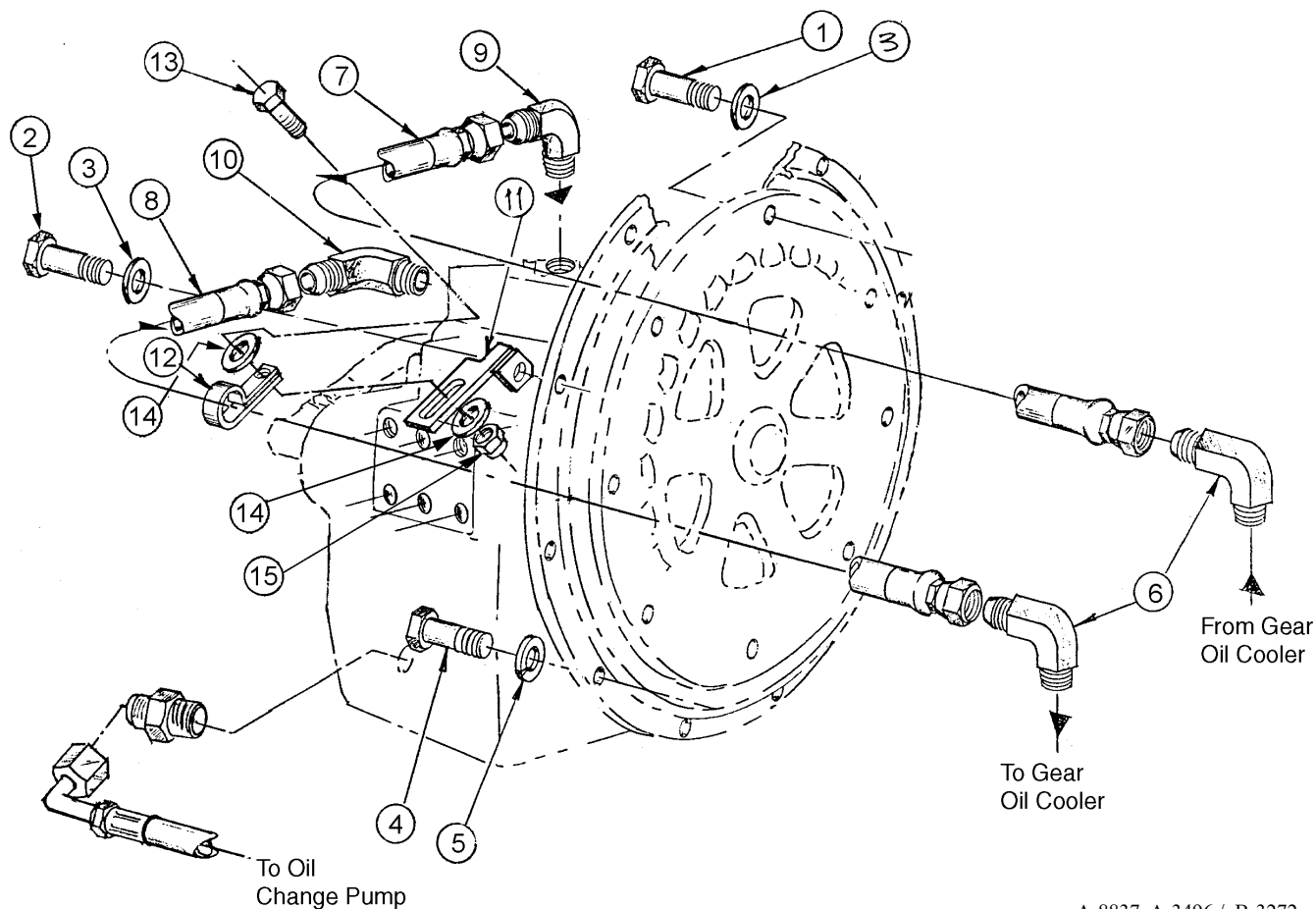


A-2328 / B-2767F2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	12-00814	11	Capscrew, Hex Head M10 x 1.5 x 35 mm, SAE #2/ #11-1/2	-
	12-00954	11	Capscrew, Hex Head M12 x 1.75 x 35 mm, SAE #1/ #14	-
2	12-00812	1	Capscrew, Hex Head M10 x 1.5 x 40 mm, SAE #2/ #11-1/2	-
	12-04802	1	Capscrew, Hex Head M10 x 1.5 x 40 mm, SAE #1/ #14	-
3	15-00802	12	Lock Washer M10, SAE #2/ #11-1/2	-
	15-00912	12	Lock Washer M12, SAE #1/ #14	-
4	12-00814	8	Capscrew, Hex Head M10 x 1.5 x 35 mm, SAE #2/ #11-1/2	-
	12-00954	8	Capscrew, Hex Head M12 x 1.75 x 35 mm, SAE #1/ #14	-
5	15-00805	8	Flat Washer M10, SAE #2/ #11-1/2	-
	15-00007	8	Flat Washer M12, SAE #1/ #14	-
6	21-64801	2	Male Elbow 90°, Steel 3/4 NPT x 3/4-37T	-
7	18-64801	1	Hose Assembly 3/4" x 72"	-
8	18-64801	1	Hose Assembly 3/4" x 72"	-
9	21-64801	1	Male Elbow 90°, Steel 3/4 NPT x 3/4-37T	-
10	21-15001	1	Male Elbow 90°, Steel 3/4 NPT x 3/4-37T (Tapped 1/8 NPT)	-
11	23-62516	1	Bracket, Plumbing Support, SAE #2/ #11-1/2	-
	23-62517	1	Bracket, Plumbing Support, SAE #1/ #14	-
12	19-71031	2	Adelle Clamp 1-1/4"	-
13	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
14	15-00805	2	Flat Washer M10	-
15	14-00812	1	Hex Nut, Nylock M10 x 1.5	-
16	21-00012	1	Plug, Hex Head Brass 1/8 NPT	-

GEAR AND ADAPTER SETS

GEAR ATTACHING - MG5111, MG5111A, MG5114A

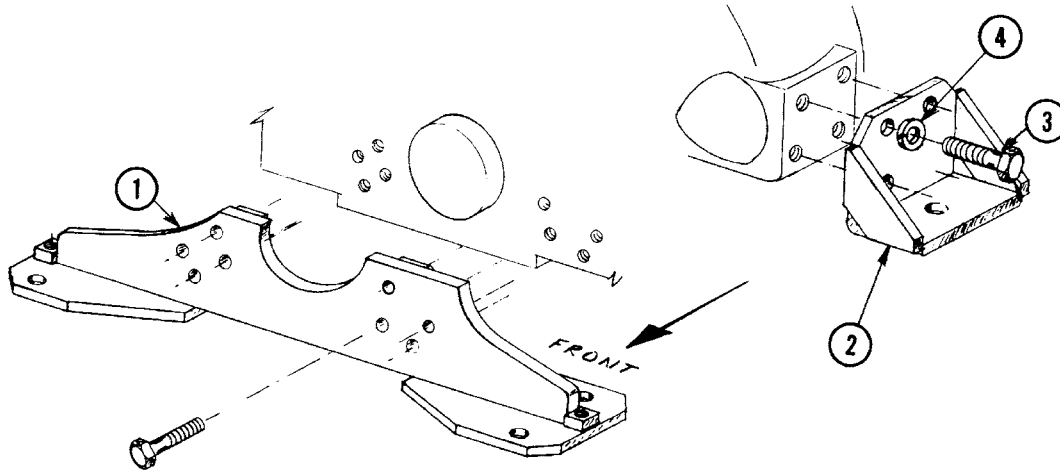


A-8837, A-3496 / B-3272

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	12-00814	11	Capscrew, Hex Head M10 x 1.5 x 35 mm, SAE #2/ #11-1/2	-
	12-00954	11	Capscrew, Hex Head M12 x 1.75 x 35 mm, SAE #1/ #14	-
2	12-00812	1	Capscrew, Hex Head M10 x 1.5 x 40 mm, SAE #2/ #11-1/2	-
	12-04802	1	Capscrew, Hex Head M12 x 1.75 x 40 mm, SAE #1/ #14	-
3	15-00802	12	Lock Washer M10, SAE #2/ #11-1/2	-
	15-00912	12	Lock Washer M12, SAE #1/ #14	-
4	12-10811	8	Capscrew, Hex Head M10 x 1.5 x 20 mm, SAE #2/ #11-1/2	-
	12-00954	8	Capscrew, Hex Head M12 x 1.75 x 35 mm, SAE #1/ #14	-
5	15-00804	8	Wave Washer M10, SAE #2/ #11-1/2	-
	15-00007	8	Flat Washer M12, SAE #1/ #14	-
6	21-64801	2	Male Elbow 90° Steel 3/4 NPT x 3/4 -37T	-
7	18-65006	1	Hose Assembly 3/4" x 75"	-
8	18-64805	1	Hose Assembly 3/4" x 77"	-
9	21-64801	1	Male Elbow 90° Steel 3/4 NPT x 3/4 -37T	-
10	21-15001	1	Male Elbow 90° Steel 3/4 NPT x 3/4 -37T Tapped 1/8 NPT	-
11	23-62516	1	Bracket, Plumbing Support	-
12	19-71031	1	Adelle Clamp	-
13	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
14	15-00805	2	Flat Washer M10	-
15	14-00812	1	Hex Nut, Nylock M10 x 1.5	-
16	21-00012	1	Plug, Hex Head Brass (not shown, not used on applications with Auxiliary Panel)	-

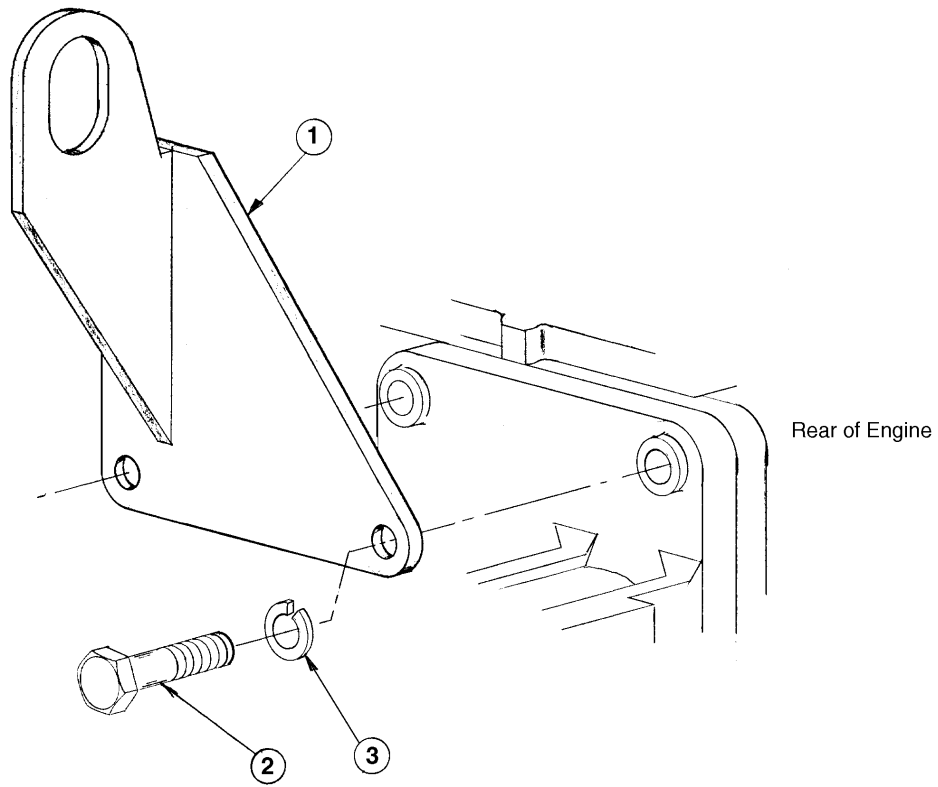
NOTES

**ENGINE MOUNTING**



KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1		1	Front Mounting Bracket (See Section 1 "Timing Gear Assembly" detail)	-
2	23-84800	2	Rear Mounting Bracket SAE #2, Flywheel Housing	up to S/N xxxx-0592
	23-84808	2	Rear Mounting Bracket SAE #2, Flywheel Housing	from S/N xxxx-0593
	23-84815	2	Rear Mounting Bracket SAE #1, Flywheel Housing	-
			<b>SAE #2</b>	
3	12-01405	2	Capscrew, Hex Head M14 x 2.0 x 45 mm (used with Oil Change Pump Bracket)	-
	12-01404	6	Capscrew, Hex Head M14 x 2.0 x 35 mm	-
4	15-01402	8	Lock Washer M14	-
5	12-74801	4	Jacking Screw, M12 x 1.75 x 80 mm all THD (not shown)	-
			<b>SAE #1</b>	
3	12-01503	2	Capscrew, Hex Head M16 x 2.0 x 50 mm (Used with Oil Change Pump Bracket)	-
	12-04803	6	Capscrew, Hex Head M16 x 2.0 x 40 mm	-
4	15-01000	8	Lock Washer M16	-
5	12-00037	4	Capscrew, Hex Head M12 x 1.75 x 45 mm (not shown)	-

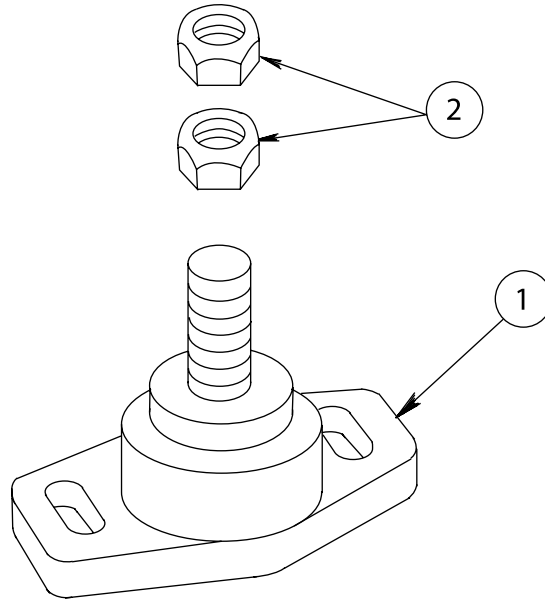
REAR LIFTING EYE



A-3496 / B-2746

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	00-74801	1	Rear Lifting Eye, SAE #1 Flywheel Housing (units with S-3AW/4MFW/ S4DWL Turbo)	-
	00-74808	1	Rear Lifting Eye, SAE #2 Flywheel Housing	-
	00-74866	1	Rear Lifting Eye, SAE #1 Flywheel Housing (units with K27 Turbo)	-
2	12-01504	2	Capscrew, Hex Head M16 x 2.0 x 60 mm	-
3	15-01000	2	Lock Washer	-

**FLEXIBLE MOUNTS**

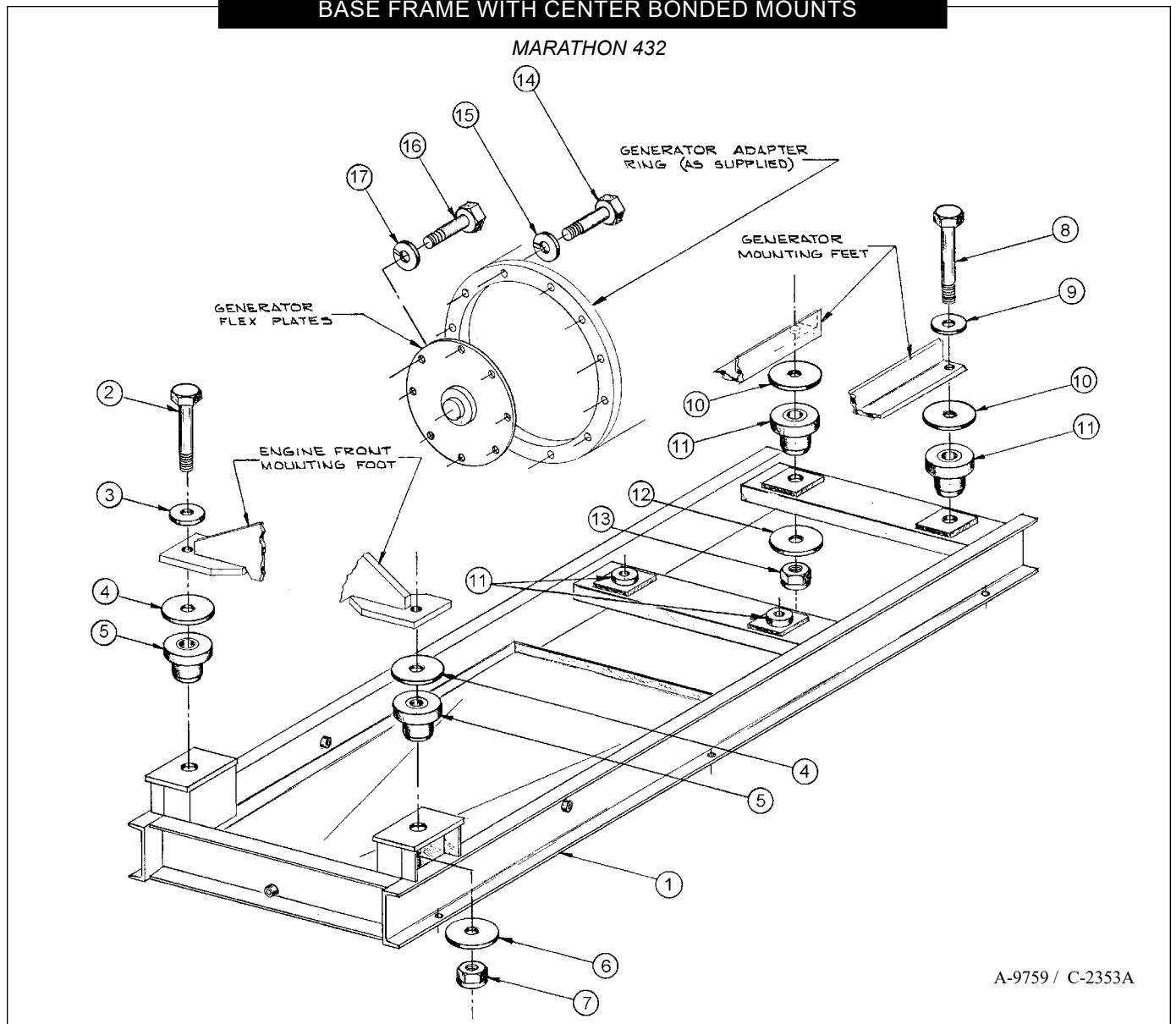


KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	33-74801	6	Flexible Mount "Clark"	-
	33-74803	**	Flexible Mount "Metalastik"	-
2	14-01225	12	Jam Nut 3/4 -16	-
			**As required	
			Note: New style mounts now include special jacking and fastening components that replace earlier stud.	



BASE FRAME AND MOUNTING

**BASE FRAME WITH CENTER BONDED MOUNTS**

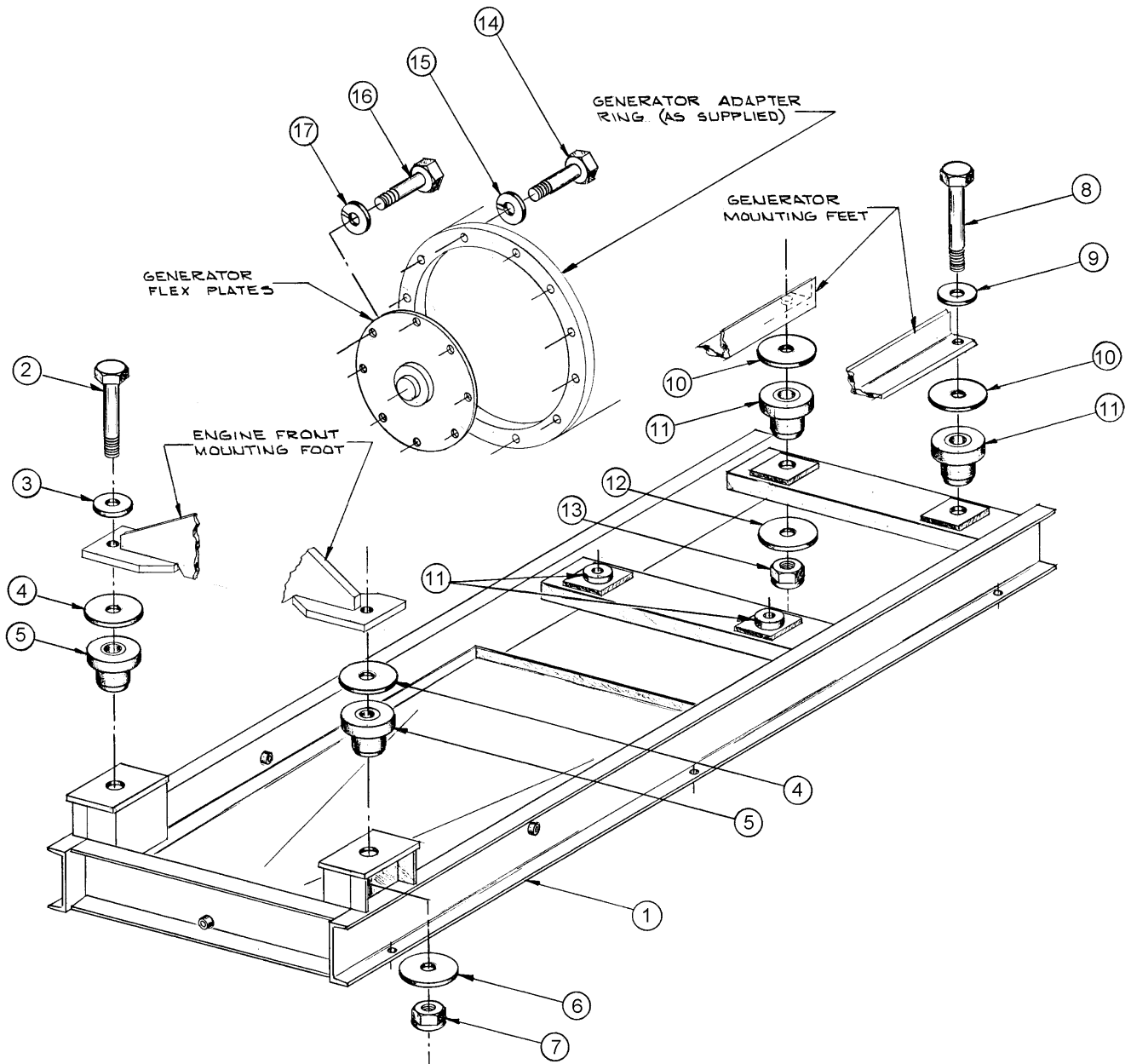


A-9759 / C-2353A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	39-84839	1	Base Frame, Steel	-
2	12-01222	2	Capscrew, Hex Head 3/4-10 x 4"	-
3	15-01211	2	Flat Washer 3/4"	-
4	15-85000	2	Head Washer	-
5	33-81011	2	Centerbonded Mount 800 lbs.	-
6	15-85001	2	Tail Washer	-
7	14-01212	2	Hex Nut, Nylock 3/4-10	-
8	12-01325	4	Capscrew, Hex Head 5/8-11 x 4"	-
9	15-00901	4	Flat Washer 5/8"	-
10	15-00015	4	Head Washer	-
11	33-81008	4	Centerbonded Mount 650 lbs.	-
12	15-00025	4	Tail Washer	-
13	14-13012	4	Hex Nut, Nylock 5/8-11	-
14	12-00954	12	Capscrew, Hex Head M12 x 1.75 x 35 mm	-
15	15-00912	12	Lock Washer, Helical M12	-
16	12-00953	8	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
17	15-00912	8	Lock Washer, Helical M12	-

**BASE FRAME WITH CENTER BONDED MOUNTS**

LIMA 580 & KATO 6P2-1450



A-4229 / C-2353A

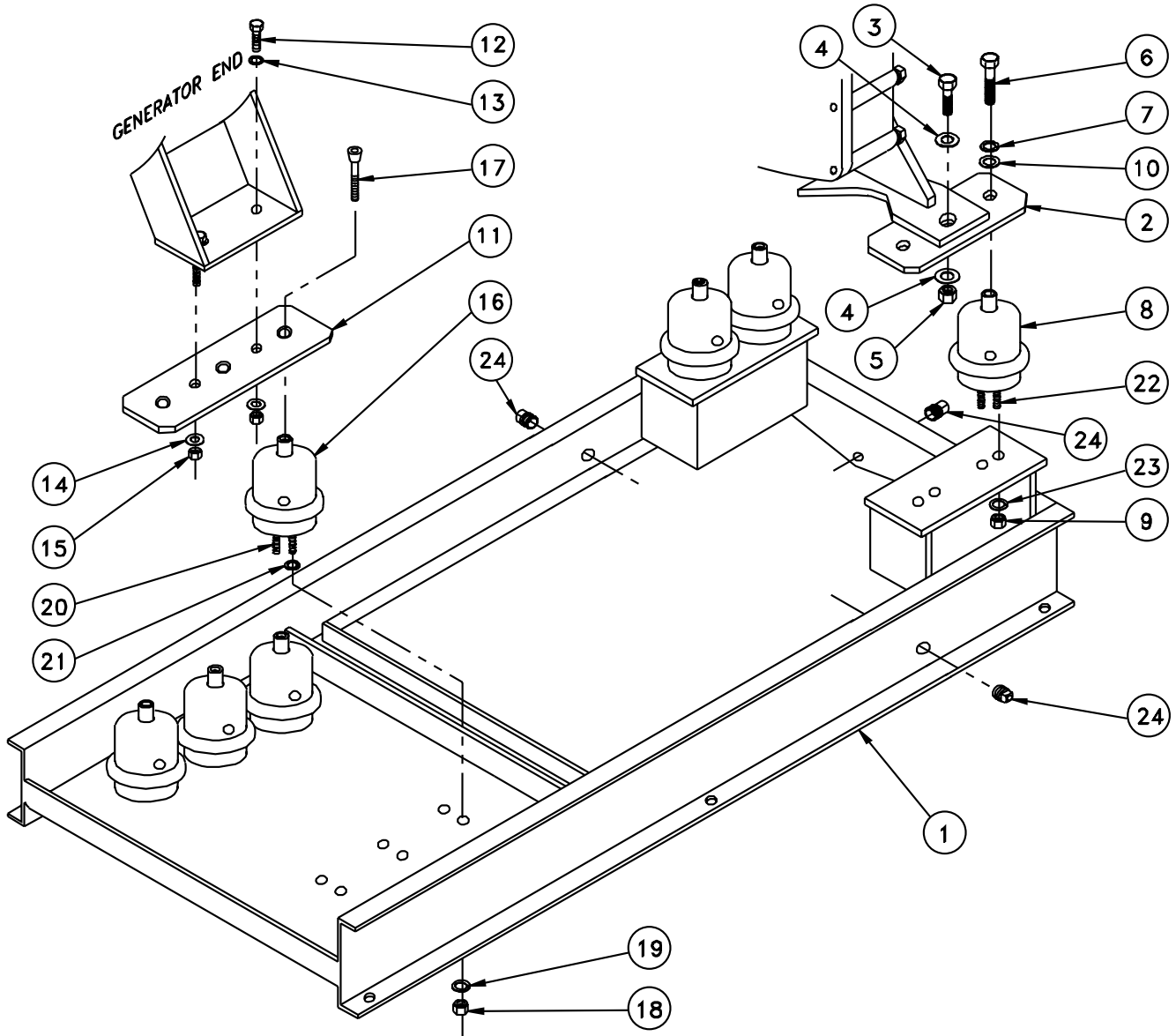
BASE FRAME AND MOUNTING

**BASE FRAME WITH CENTER BONDED MOUNTS**

*LIMA 580 & KATO 6P2-1450*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	39-84804	1	Base Frame, Steel (L580)	-
	39-84814	1	Base Frame, Aluminum (L580)	-
	39-84821	1	Base Frame, Steel (6P2-1450)	-
2	12-01430	2	Capscrew, Hex Head 5/8- 11 x 3- 3/4"	-
3	15-00901	2	Flat Washer 5/8"	-
4	15-85000	2	Head Washer	-
5	33-85001	2	Mount, Centerbonded 1050 lbs.	-
6	15-85001	2	Tail Washer	-
7	14-13012	2	Hex Nut, Nylock	-
8	12-01325	4	Capscrew, Hex Head 5/8- 11 x 4"	-
9	15-00901	4	Flat Washer 5/8"	-
10	15-85000	4	Head Washer	-
11	33-85001	4	Mount, Centerbonded 1050 lbs.	-
12	15-85001	4	Tail Washer	-
13	14-13012	4	Hex Nut, Nylock	-
14	12-00954	12	Capscrew, Hex Head M12 x 1.75 x 35 mm	-
15	15-00912	12	Lock Washer M12	-
16	12-00953	8	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
17	15-00912	8	Lock Washer, M12	-

STEEL BASE FRAME WITH HYDROLASTIC MOUNTS



A-8847 / B-7657

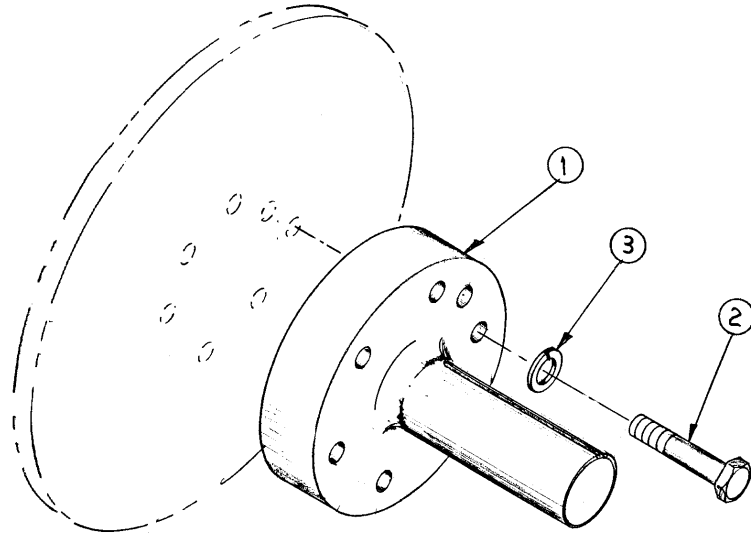
BASE FRAME AND MOUNTING

**STEEL BASE FRAME WITH HYDROLASTIC MOUNTS**

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	39-84831	1	Base Frame, Steel	-
	39-84832	1	Base Frame, Aluminum	-
2	23-84827	2	Bracket, Front Mtg. Adapter	-
3	12-01218	2	Capscrew, Hex Head 3/4 -10 x 2 -1/4"	-
4	15-01221	4	Flat Washer	-
5	14-01212	2	Hex Nut, Nylock 3/4 -10	-
6	12-00913	12	Capscrew, Hex Head 5/8 -11 x 1 -1/2"	-
7	15-00902	4	Lock Washer, Helical 5/8"	-
8	33-81012	4	Hydrolastic Mount, 400 lbs.	-
9	14-00511	8	Hex Nut	-
10	15-00502	8	Lock Washer, Helical 1/2"	-
11	23-84828	2	Bracket, Generator Mtg. Adapter	-
12	12-00914	4	Capscrew, Hex Head 5/8 -11 x 1 -3/4"	-
13	15-00902	4	Lock Washer, Helical 5/8	-
14	15-00901	4	Flat Washer 5/8"	-
15	14-00912	4	Hex Nut, Nylock 5/8 -11	-
16	33-81012	6	Hydrolastic Mount, 400 lbs.	-
17	12-03014	6	Capscrew, Flathead Socket 5/8 -11 x 1 -1/2"	-
18	14-00511	12	Hex Nut 1/2 -13	-
19	15-00502	12	Lock Washer, Helical 1/2"	-
20	12-00037	12	Capscrew, Hex Head M12 x 1.75 x 45 mm	-
21	15-00912	12	Lock Washer, Helical M12	-
22	12-00953	8	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
23	15-00912	8	Lock Washer, Helical M12	-
24	21-00531	3	Plug, Brass	-

ACCESSORIES AND OPTIONAL EQUIPMENT

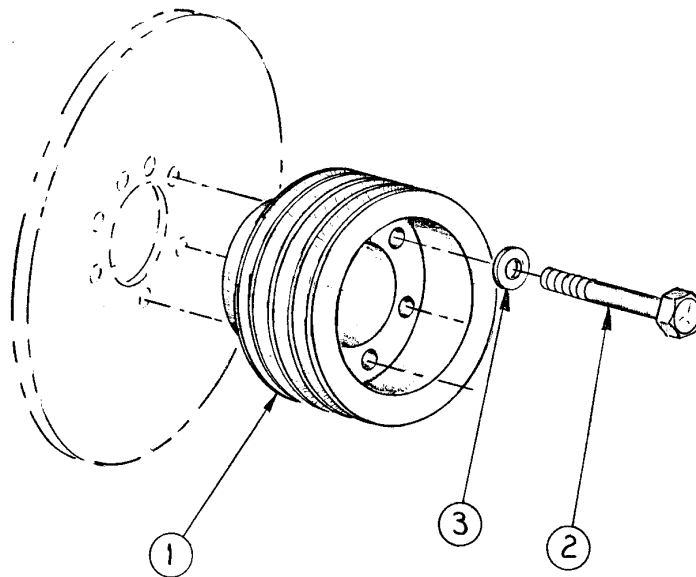
**STUB SHAFT**



A-2325 / B-2759

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	34-64802	1	Stub Shaft	-
2	12-00955	6	Capscrew, Hex Head M12 x 1.75 x 60 mm	-
3	15-00912	6	Lock Washer M12	-

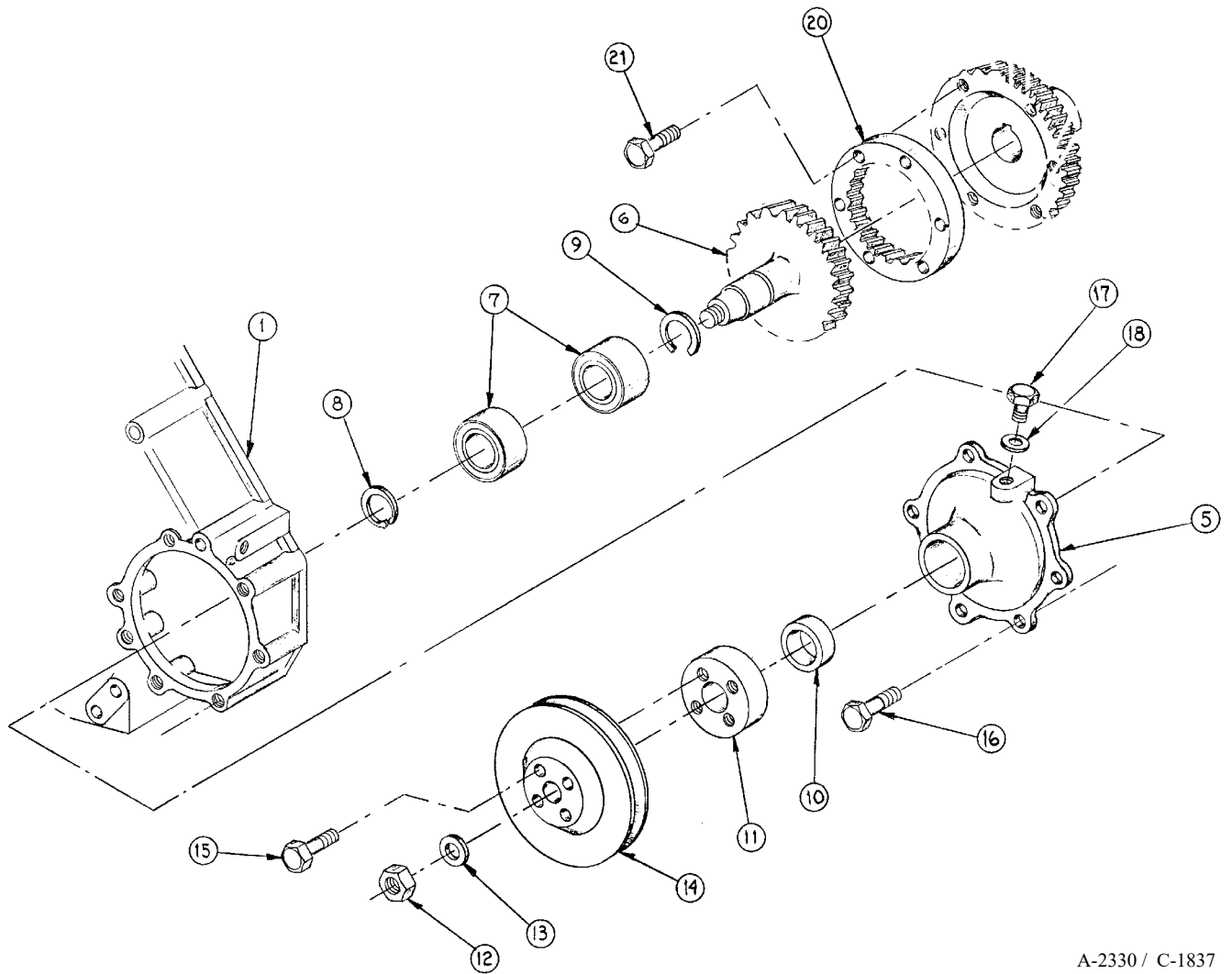
**FRONT CRANKSHAFT PULLEY**



A-4529 / B-2758

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	34-64808	1	Front Crankshaft Pulley 4A/B x 8"	-
	34-64800	1	Front Crankshaft Pulley 4A x 8	-
2	12-74801	6	Capscrew, Hex Head M12 x 1.75 x 80 mm (units with rubber damper)	-
	12-00924	6	Capscrew, Hex Head M12 x 1.75 x 100 mm (units with viscous damper)	-
3	15-00007	6	Flat Washer M12	-

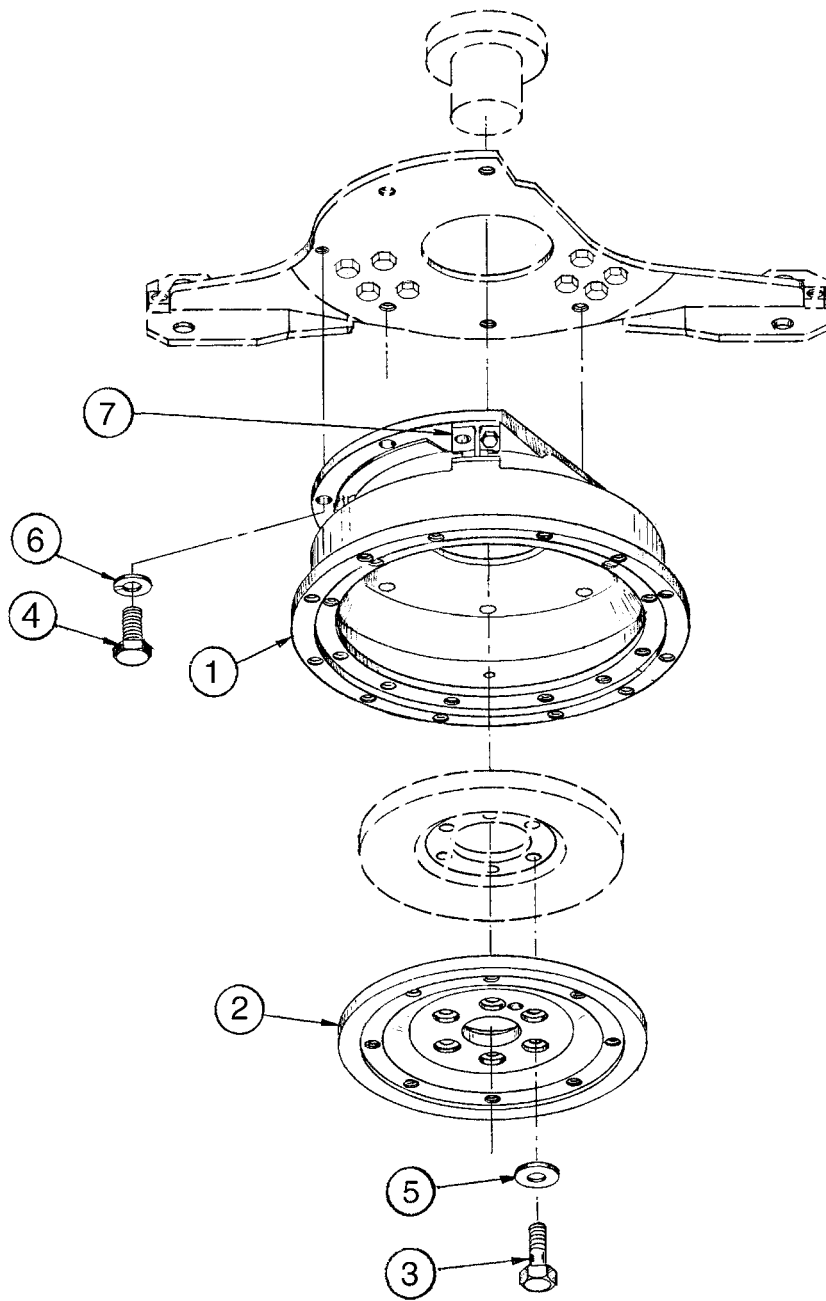
ACCESSORY DRIVE



A-2330 / C-1837

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6150-21-3300	1	Front Cover Assembly	-
5	6151-21-8110	1	Case	-
6	6151-21-8121	1	Shaft (formerly 6151-21-8120)	-
7	06000-06206	2	Bearing	-
8	04064-03015	1	Ring	-
9	04065-06220	1	Snap Ring	-
10	07012-00030	1	Seal	-
11	6151-21-8132	1	Hub (formerly 6151-21-8130 and 6151-21-8131)	-
12	01583-11811	1	Nut	-
13	01643-31845	1	Washer	-
14	6151-21-8210	1	Pulley, 1-A/B Groove x 9"	-
	34-74800	1	Pulley, 2-A Groove x 10"	-
15	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
16	12-00832	7	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
17	01050-31012	1	Capscrew, Hex Head M10 x 1.25 x 12 mm	-
18	07005-01012	1	Gasket	-
20	34-64819	1	Coupling	-
21	12-20713	6	Capscrew, Hex Head M8 x 1.25 x 35 mm	-

PTO ADAPTER



A-6720, A-4147, A-6721, A-3798,  
A-6722, A-2323 / C-1695D

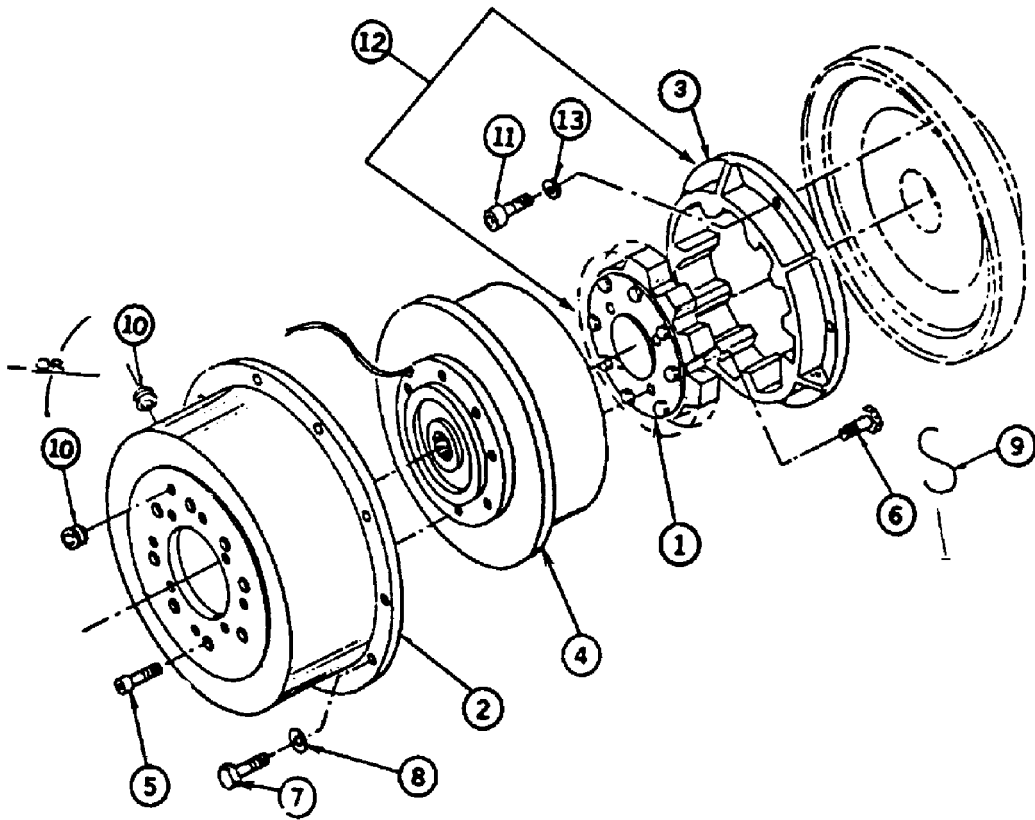


ACCESSORIES AND OPTIONAL EQUIPMENT

PTO ADAPTER

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-64810	1	PTO Housing, Cast Aluminum SAE #3 & #4 (3 Groove Crank Pulley and Rubber Damper - includes bridge piece #23-64811)	-
	23-64826	1	PTO Housing, Cast Aluminum SAE #3 & #4 (3 Groove Crank Pulley and Viscous Damper - includes bridge piece #23-64811)	-
2	34-64812	1	PTO Carrier SAE #8 (used with rubber damper)	-
	34-64813	1	PTO Carrier SAE #8 (used with viscous damper)	-
	34-64801	1	PTO Carrier SAE #10 (used with rubber damper)	-
	34-64816	1	PTO Carrier SAE #10 (used with viscous damper)	-
	34-64811	1	PTO Carrier SAE #11-1/2 (used with rubber damper)	-
	34-64814	1	PTO Carrier SAE #11-1/2 (used with viscous damper)	-
3	12-00956	6	Capscrew, Hex Head M12 x 1.75 x 65 mm (use with Carrier 34-64812)	-
	12-00965	6	Capscrew, Hex Head M12 x 1.75 x 70 mm (use with Carriers 34-64801 and 34-64811)	-
	12-00967	6	Capscrew, Hex Head M12 x 1.75 x 80 mm (use with Carrier 34-64813)	-
	12-00922	6	Capscrew, Hex Head M12 x 1.75 x 90 mm (use with Carriers 34-64816 and 34-64814)	-
4	12-00812	6	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
5	15-00007	6	Flat Washer M12	-
6	15-00805	6	Flat Washer M10	-
7	23-64811	1	Bridge Piece (included with PTO Housing)	-
			Note: PTO Housing Adapter Ring 31-64806 & Carrier Spacer 31-64807 used with Electric Clutch (SAE #4 only) on some units with late production viscous damper. Also, carrier spacer may be applied to units with, or converted to, viscous damper and late production PTO Housing (23-64826) in all SAE size combinations.	

PITTS ELECTRIC CLUTCH, H-36 & H-49, B & C SPLINED



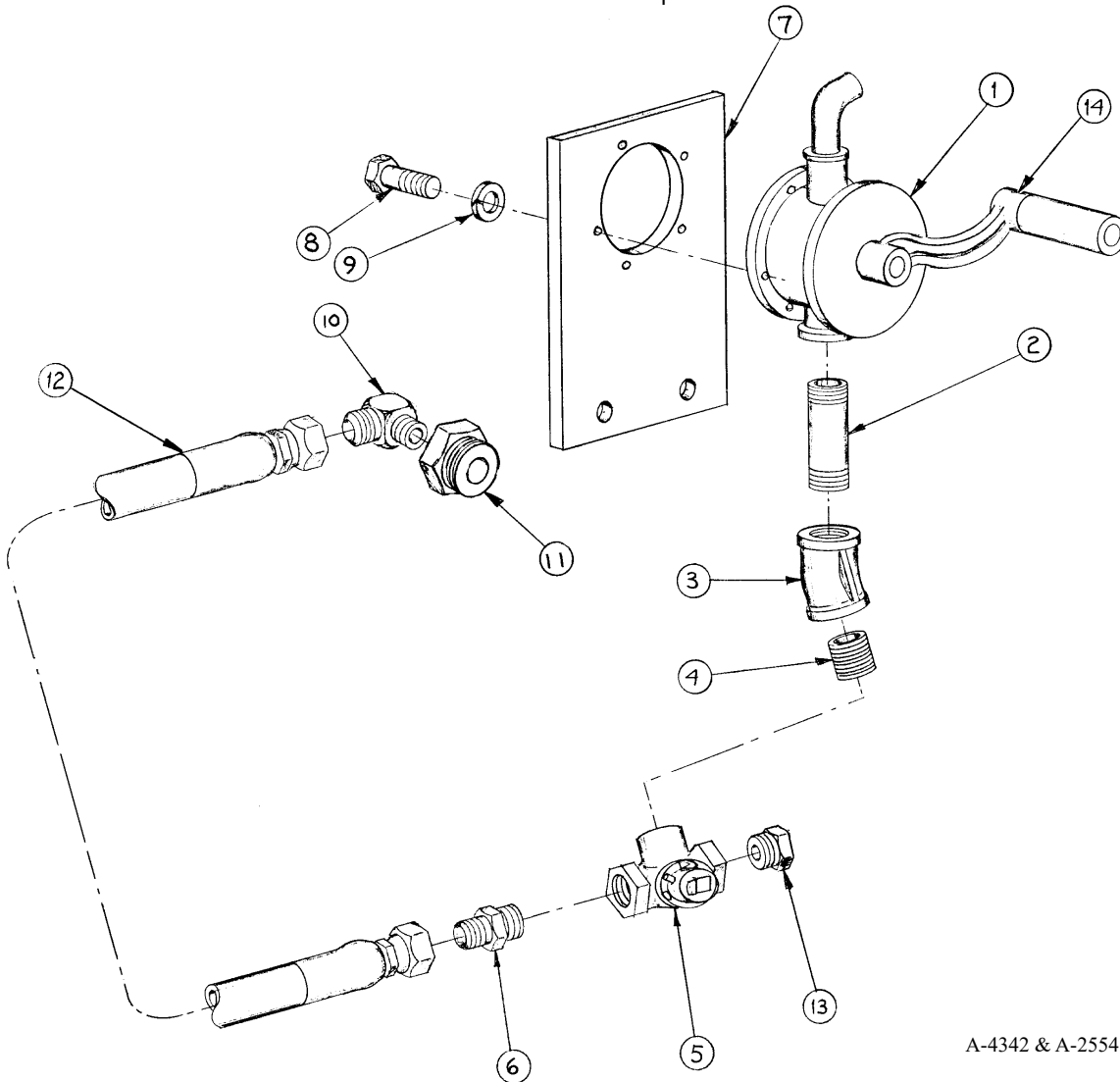
ACCESSORIES AND OPTIONAL EQUIPMENT

PITTS ELECTRIC CLUTCH, H-36 & H-49, B & C SPLINED

KEY	PART NUMBER	QTY	DESCRIPTION	S/N
1	34-72505	1	H-36 Spider Assembly (replaced - see #12)	-
	34-72502	1	H-49 Spider Assembly (replaced - see #12)	-
2	10-60008	1	H-36 B Clutch Housing (former #10-60006)	-
	10-60009	1	H-36 C Clutch Housing (former #10-60007)	-
	10-60011	1	H-49 C Clutch Housing (former #10-60010)	-
3	34-61452	NLA	Drive Ring (replaced - see #12)	-
	34-61451	NLA	Drive Ring (replaced - see #12)	-
4	34-60020	1	12 Volt Electric Clutch, H-36 B-Spline	-
	34-60028	1	24 Volt Electric Clutch, H-36 B-Spline	-
	34-60018	1	12 Volt Electric Clutch, H-36 C-Spline	-
	34-60027	1	24 Volt Electric Clutch, H-36 C-Spline	-
	34-60019	1	12 Volt Electric Clutch, H-49 C-Spline	-
	34-60026	1	24 Volt Electric Clutch, H-49 C-Spline	-
5	12-20312	8	Capscrew, Socket Head 3/8 -16 x 1" H-36 Clutch	-
	12-00035	8	Capscrew, Socket Head 3/8 -16 x 3/4" H-49 Clutch	-
6	12-60001	4	Capscrew, Hex Head 7/16 -20 x 1-3/4" H-36 Clutch	-
	12-00025	4	Capscrew, Hex Head 7/16 -20 x 3/4" H-49 Clutch	-
7	12-00313	8	Capscrew, Hex Head 3/8 -16 x 1-1/4" H-36 Clutch	-
	12-00315	12	Capscrew, Hex Head 3/8 -16 x 1-3/4" H-49 Clutch	-
8	15-00300	8	Flat Washer 3/8 Special H-36 Clutch	-
		12	Flat Washer 3/8 Special H-49 Clutch	-
9	00-60002	2	Safety Wire .032" x 9" Stainless -Early Production	-
10	00-61003	1	Grommet	-
11	12-00312	6	Capscrew, Hex Head 3/8 -16 x 1" H-36 Clutch	-
12	34-61455	1	Drive Assembly H-36 Clutch	-
	34-61454	1	Drive Assembly H-49 Clutch	-
13	15-00301	6	Flat Washer 3/8" H-36 Clutch	-
		8	Flat Washer 3/8" H-49 Clutch	-
14	22-60001	1	2 Ohm 25 Watt Resistor (12 Volt Clutch, 24 Volt System, for early systems)*	-
	22-60002	1	10 Ohm 25 Watt Resistor (12 Volt Clutch, 24 Volt System, for early systems)*	-
15	00-61001	**	Drive Block*	-
			*Not shown	
			**As required	

**OIL CHANGE PUMP, LEFT SIDE MOUNTING**

Forward or Rear Sump

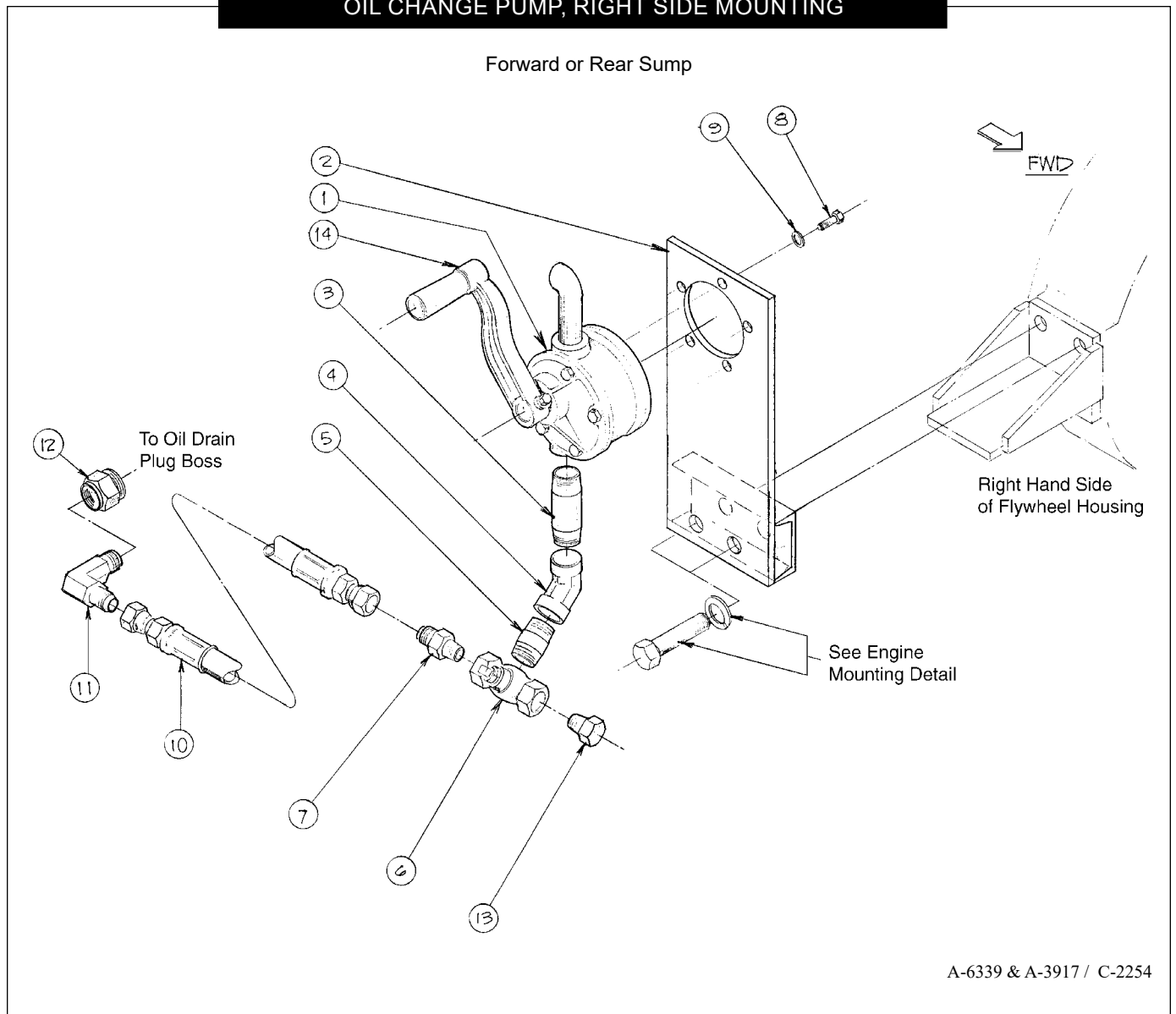


A-4342 & A-2554 / C-1762

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	36-74807	1	Hand Pump (includes key 14)	-
2	21-00000	1	Nipple 3/4 NPT x 3"	-
3	21-00020	1	Elbow 45° 3/4 NPT	-
4	21-00021	1	Nipple 3/4 NPT x 1"	-
5	36-70001	1	3 Way Valve 3/4" NPT	-
6	21-74801	1	Male Connector 3/4 NPT x 5/8 -37T	-
7	23-74801	1	Bracket	-
8	12-00031	5	Capscrew, Hex Head M6 x 1.0 x 25 mm	-
9	15-01132	5	Lock Washer M6	-
10	21-62507	1	Male Elbow 90° 1/2 NPT x 5/8 -37T	-
11	6150-21-5630	1	Oil Pan Drain Adapter	-
12	18-64803	1	Hose Assembly 1/2" ID x 49" (Rear Sump)	-
	18-64802	1	Hose Assembly 1/2" ID x 34" (Forward Sump)	-
13	21-11000	1	Hex Head Pipe Plug 3/4 NPT (without reverse gear drain)	-
	21-74801	1	Connector 3/4 NPT x 5/8 -37T (with reverse gear drain)	-
14	6136-55-7120	1	Pump Handle	-

ACCESSORIES AND OPTIONAL EQUIPMENT

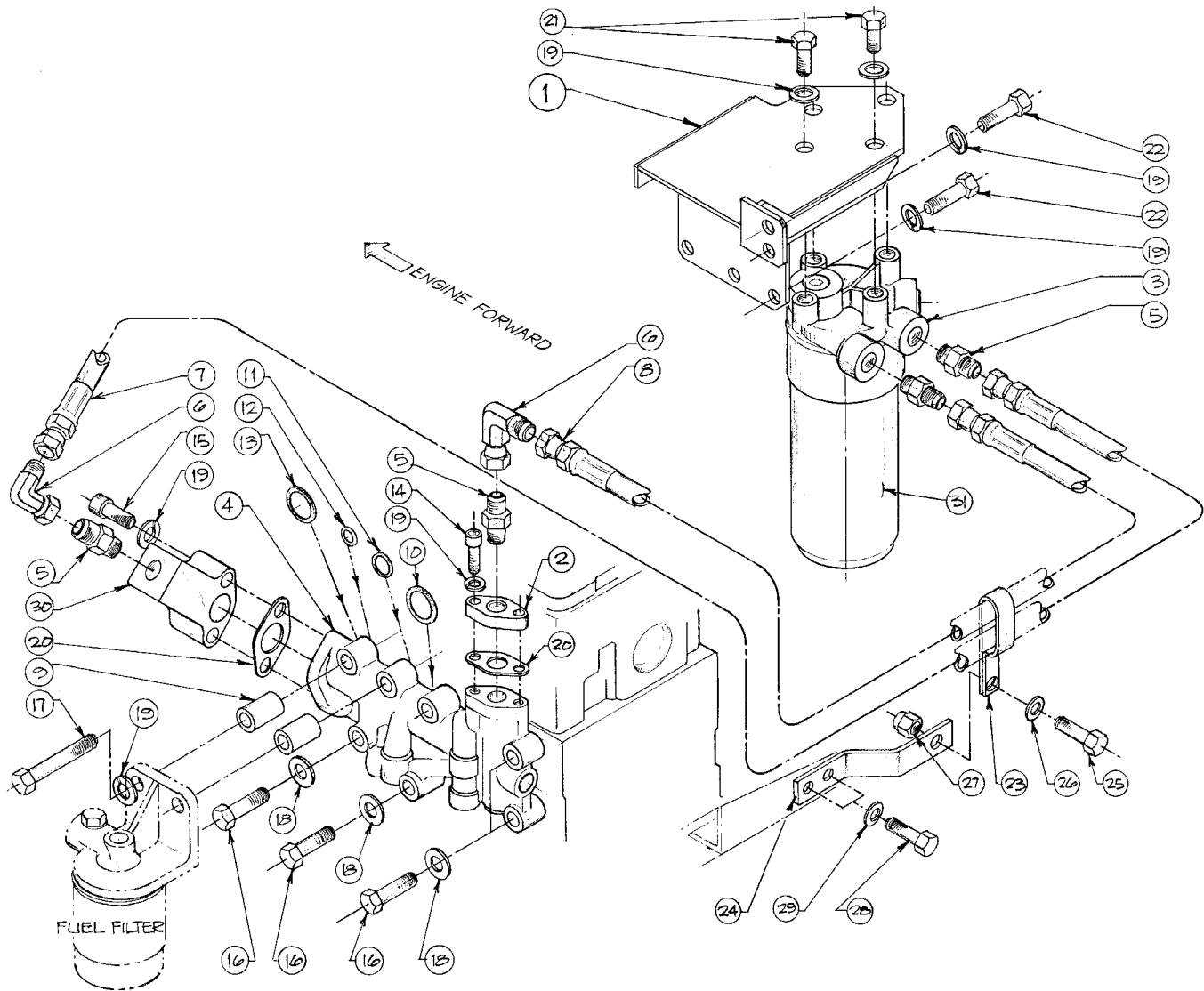
**OIL CHANGE PUMP, RIGHT SIDE MOUNTING**



A-6339 & A-3917 / C-2254

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	36-74807	1	Hand Pump (includes key 14)	-
2	23-74809	1	Oil Drain Pump Bracket	-
3	21-00000	1	Black Pipe Nipple 3/4 NPT x 3"	-
4	21-00020	1	Black Pipe Elbow 45° 3/4 NPT	-
5	21-00021	1	Close Nipple 3/4 NPT x 1"	-
6	36-70001	1	3-Way Valve 3/4 NPT	-
7	21-62509	1	Male Elbow 90° 3/4 NPT x 5/8 -37T	-
8	12-00031	5	Capscrew, Hex Head M6 x 1.0 x 25 mm	-
9	15-01132	5	Lock Washer M6	-
10	18-64811	1	Hose Assembly 1/2" ID x 21" (Rear sump)	-
	18-64803	1	Hose Assembly 1/2" ID x 49" (Forward sump)	-
11	21-62507	1	90° Steel Male Elbow 1/2 NPT x 5/8 -37T	-
12	6150-21-5630	1	Oil Pan Drain Fitting	-
13	21-11000	1	Hex Head Pipe Plug 3/4 NPT (without reverse gear drain)	-
	21-74801	1	Male Connector, Steel 3/4 NPT x 5/8 -37T (with reverse gear drain)	-
14	6136-55-7120	1	Pump Handle	-

REMOTE OIL FILTER



A-3491 / C-2153

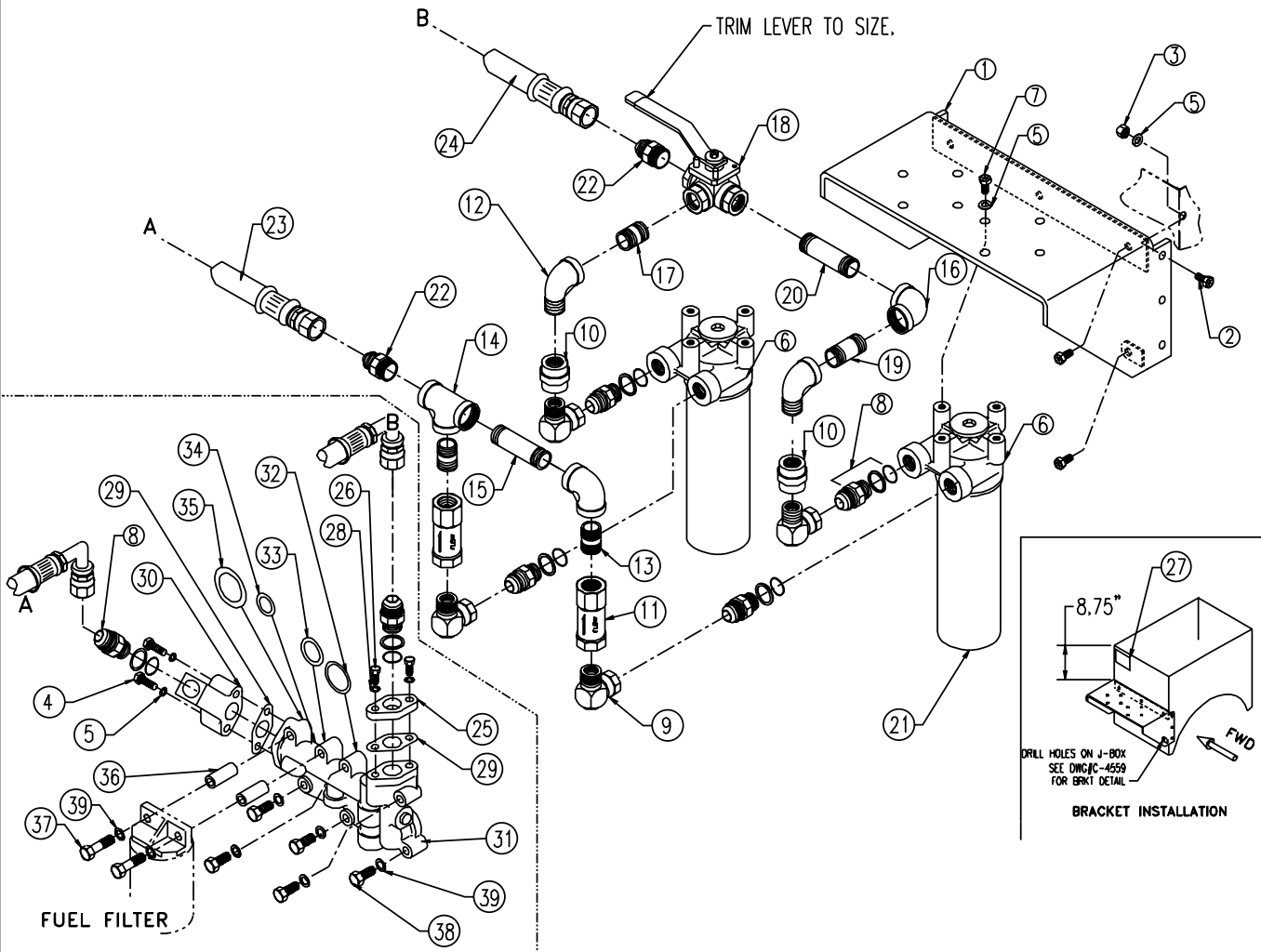
## ACCESSORIES AND OPTIONAL EQUIPMENT

## REMOTE OIL FILTER

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-74805	1	Oil Fill Bracket	-
2	31-74803	1	Adapter Flange	-
3	24-74803	1	Filter Assembly	-
4	6151-51-5603	1	Adapter Assembly	-
5	21-74804	4	Straight Connector	-
6	21-74805	2	Elbow, 90°	-
7	18-74801	1	Oil Filter Supply Hose Assembly	-
8	18-74802	1	Oil Filter Return Hose Assembly	-
9	21-54802	2	Fuel Filter Head Spacer	-
10	07000-63035	1	O-ring	-
11	07000-62020	1	O-ring	-
12	07000-62015	1	O-ring	-
13	07000-63028	1	O-ring	-
14	12-34803	2	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
15	12-00814	2	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
16	12-00813	5	Capscrew, Hex Head M10 x 1.5 x 45 mm	-
17	12-00051	2	Capscrew, Hex Head M10 x 1.5 x 90 mm	-
18	15-00805	5	Flat Washer M10	-
19	15-00802	15	Lock Washer M10	-
20	11-31013	2	Adapter Gasket	-
21	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
22	12-00812	5	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
23	19-71033	1	Adelle Clamp	-
24	23-74806	1	Adelle Clamp Mounting Bracket	-
25	12-00312	1	Capscrew, Hex Head 3/8 -16 x 1"	-
26	15-00301	1	Flat Washer 3/8"	-
27	14-00312	1	Nylock Nut 3/8 -16	-
28	12-00209	2	Capscrew, Hex Head 5/16 -18 x 3/4"	-
29	15-70000	2	Lock Washer 5/16"	-
30	31-74804	1	Remote Oil Filter Connector	-
31	24-04801	1	Lube Oil Filter Cartridge	-

DUPLEX OIL FILTER WITH SELECTOR VALVE

M6125 & M432 with PMG



A-9198 / C-4567



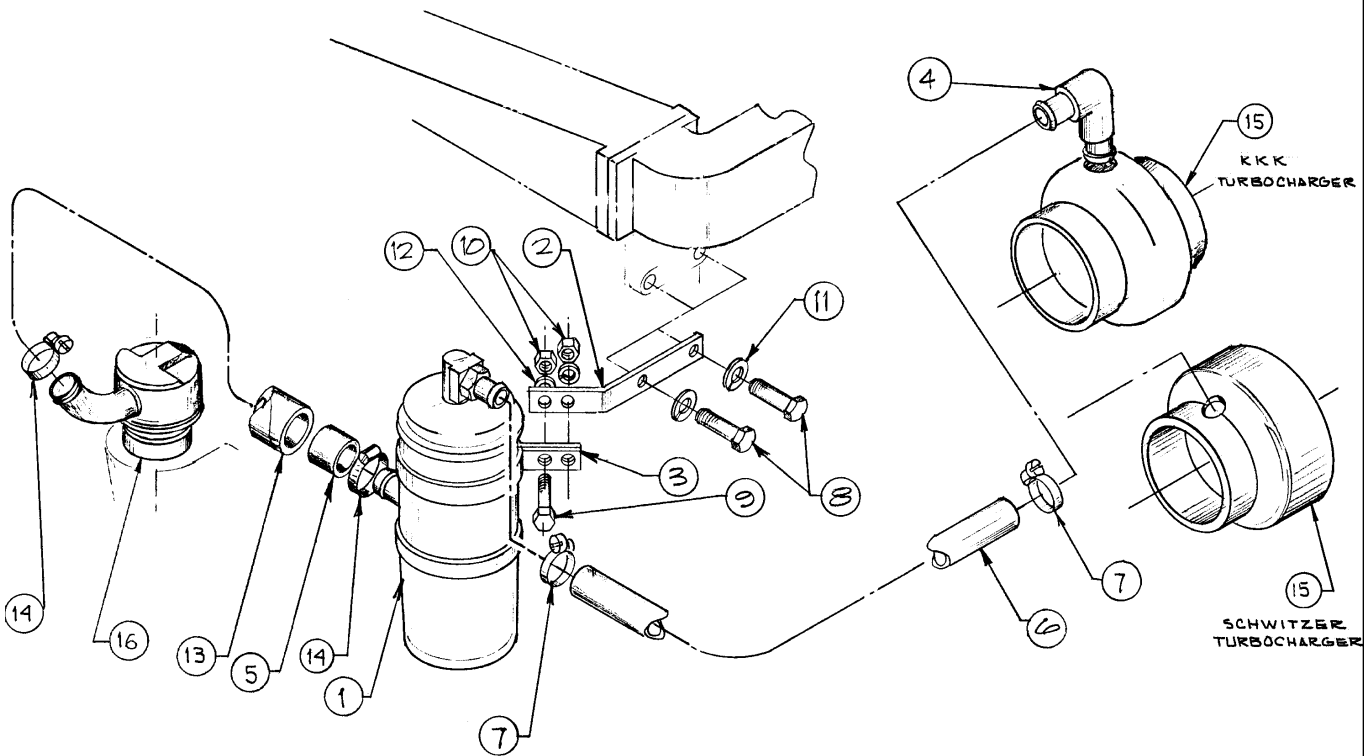
## ACCESSORIES AND OPTIONAL EQUIPMENT

**DUPLEX OIL FILTER WITH SELECTOR VALVE***M6125 & M432 with PMG*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-74847	1	Bracket, Duplex Oil Filter Mtg.	-
2	01435-01025	11	Capscrew, Hex Head Flanged M10 x 1.5 x 25 mm (Grade 10)	-
3	14-00812	11	Hex Nut, Nylock M10 x 1.5	-
4	12-00814	2	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
5	15-00802	21	Lock Washer, Helical M10	-
6	24-74803	2	Filter Head	-
7	12-00831	8	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
8	21-74804	6	Male Connector, Steel 3/4 -37T x M24 x 1.5	-
9	21-70018	4	Elbow 90° Swivel, Steel 3/4 -37T x 3/4 NPT	-
10	21-00078	2	Hex Coupling, Steel 3/4 NPT	-
11	36-70009	2	Check Valve, Brass 3/4 NPT 2 PSI	-
12	21-00079	2	Street Elbow 90°	-
13	21-00021	2	Close Nipple BP	-
14	21-00081	1	Female Plain Tee, BP	-
15	21-00082	1	Nipple, BP	-
16	21-00080	2	Female Elbow 90° BP	-
17	21-02801	1	Close Nipple, BP	-
18	36-70011	1	Ball Valve, 3-Way Lever Operation S/S	-
19	21-75016	1	Nipple, BP 3/4 NPT x 2"	-
20	21-00124	1	Nipple, BP 3/4 NPT x 4"	-
21	24-04801	2	Oil Filter	-
22	21-12803	1	Male Connector, Steel	-
23	18-74803	1	Hose Assembly 3/4" ID*	-
24	18-74803	1	Hose Assembly 3/4" ID*	-
25	31-74803	1	Adapter Flange, Right Hand	-
26	12-34803	2	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
27	00-76802	1	Label, Valve Operation	-
28	15-00803	4	Lock Washer, High-collar M10	-
29	11-31013	2	Gasket	-
30	31-74804	1	Adapter, Remote Oil Filter Connection	-
31	6151-51-5603	1	Adapter	-
32	07000-63035	1	O-ring	-
33	07000-62020	1	O-ring	-
34	07000-62015	1	O-ring	-
35	07000-73028	1	O-ring	-
36	21-54802	2	Spacer, BP 1/2 Sch. 40 x 1-1/2"	-
37	12-00051	2	Capscrew, Hex Head M10 x 1.5 x 90 mm	-
38	12-00813	5	Capscrew, Hex Head M10 x 1.5 x 45 mm	-
39	15-00805	7	Flat Washer M10	-

\* Note: Reusable Hose Fittings &amp; Hose supplied unassembled.

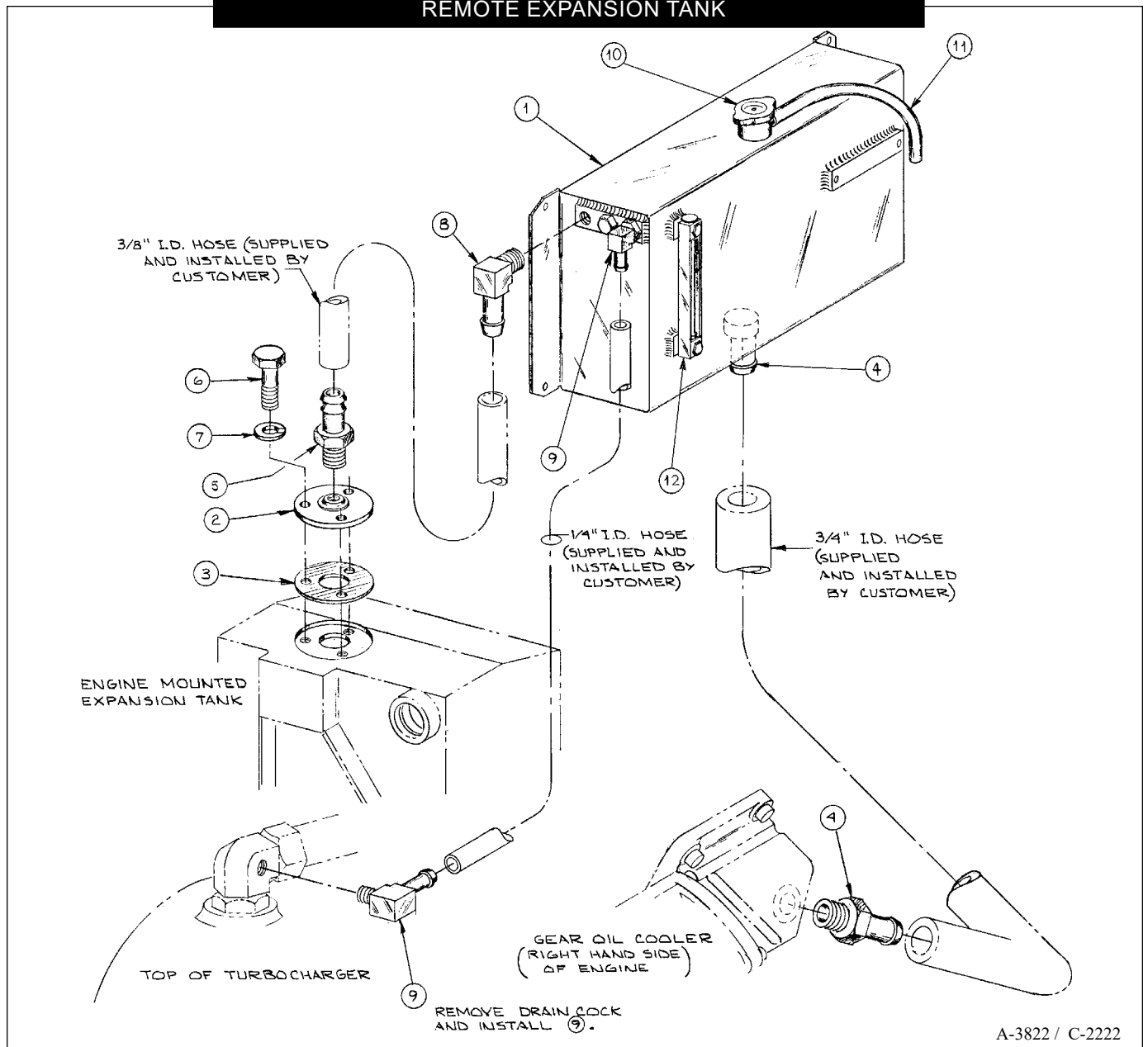
**CRANKCASE VENT FILTER**



A-3367 & A-4900 / B-3275

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-71003	1	Crankcase Vent Filter Assembly (includes keys 17-19)	-
2	23-74807	1	Filter Mounting Bracket	-
3	24-71004	1	Filter Band Bracket	-
4	21-00019	1	90° Male Elbow 1/2" PVC Hose Barb	-
5	18-34801	1	Push-on Hose 5/8" ID x 1-1/4	-
6	18-70001	2	Hose 5/8" ID x 20"	-
7	19-00006	2	Hose Clamp	-
8	12-00832	2	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
9	12-00111	2	Capscrew, Hex Head 1/4 -20 x 3/4"	-
10	14-00111	2	Hex Nut 1/4 -20	-
11	15-00802	2	Lock Washer M10	-
12	15-00102	2	Lock Washer 1/4"	-
13	18-34802	1	Hose 1" ID x 18"	-
14	19-00016	2	Hose Clamp #16	-
15	18-24804	1	Hump Hose, KKK Turbo	-
	18-64806	1	Hump Hose, Schwitzer Turbo	-
16	6150-25-6710	1	Crankcase Breather	-
17	11-70004	1	Gasket, Vent Filter Element (not shown)	-
18	11-70002	1	Gasket, Vent Filter Bowl (not shown)	-
19	24-70000	1	Filter (not shown)	-

REMOTE EXPANSION TANK

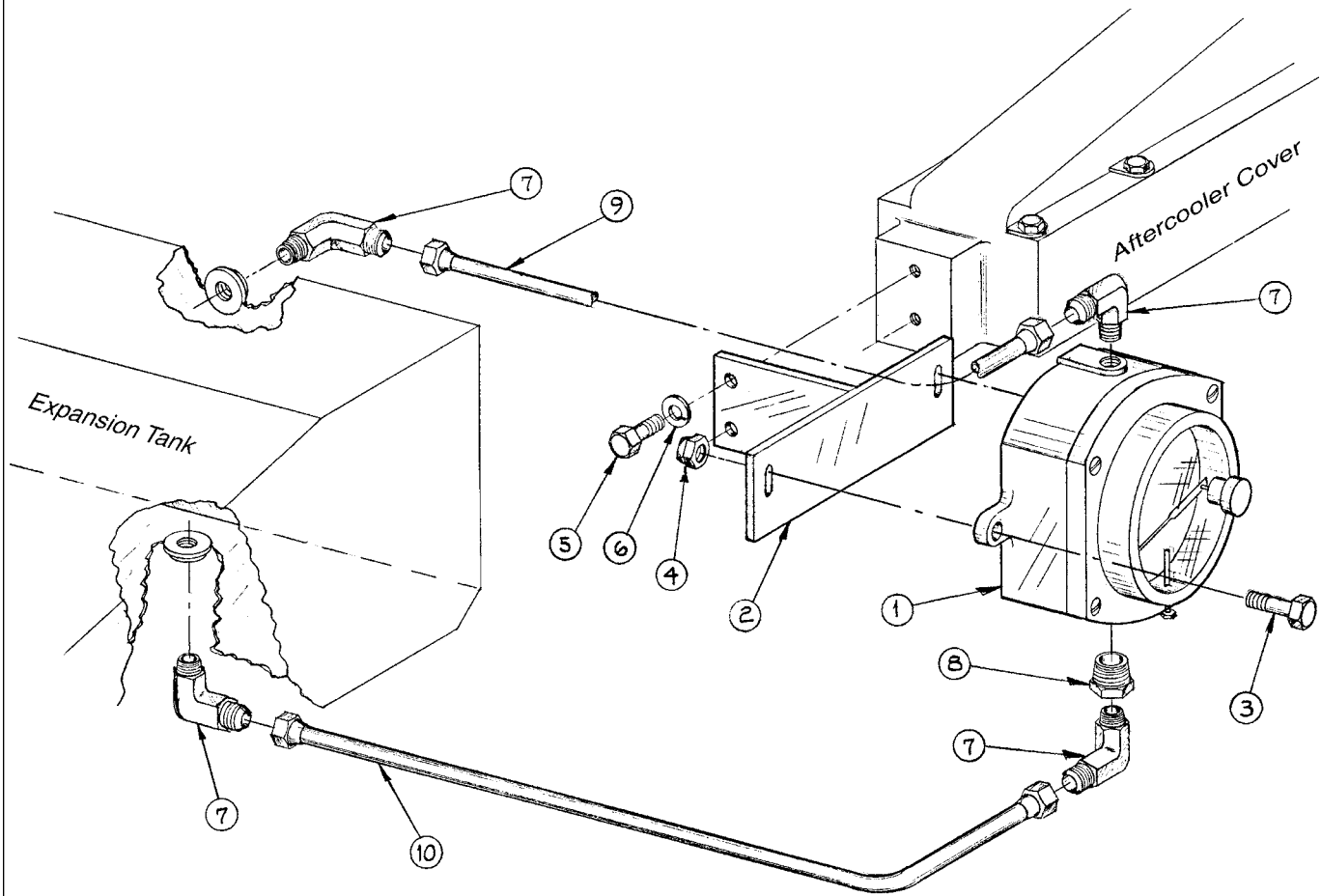


A-3822 / C-2222

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-15001	1	Expansion Tank Assembly	-
2	31-14801	1	Remote Expansion Tank Adapter	-
3	11-14805	1	Gasket	-
4	21-00129	3	Male Connection 1/2 NPT x 3/4 HB	-
5	21-71030	1	Male Connection 1/4 NPT x 3/8 HB	-
6	12-00055	3	Capscrew, Hex Head M8 x 1.25 x 20 mm	-
7	15-00702	3	Helical Lock Washer M8	-
8	21-14828	1	Male Connection 90° 1/4 NPT x 3/8 HB	-
9	21-51476	2	Male Elbow 90° 1/8 NPT x 1/4 HB*	-
10	21-12013	1	Filler Cap (formerly #21-12007)	-
11	18-00130	1	Hose, PVC 1/4" ID x 30	-
12	37-75001	1	Sight Glass	-
13	16-15005	2	O-ring (for Sight Glass Seal - not shown)	-

\* Note: Used when top of turbo is above engine expansion tank.

**WATER LEVEL SWITCH GAUGE - STEEL EXPANSION TANK**

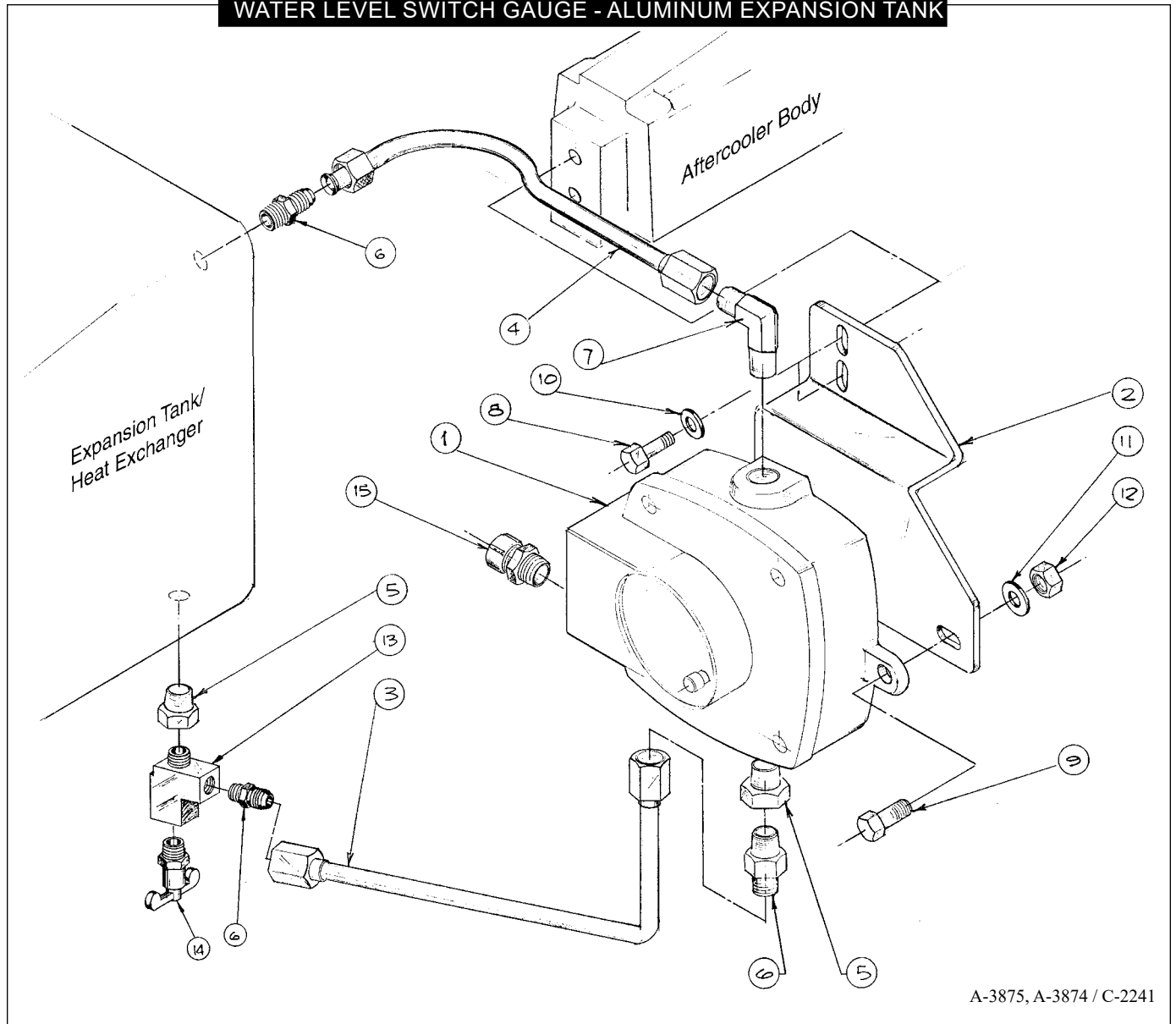


A-3186 / C-1920

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-10001	1	Murphy Water Level Switch Gauge	-
2	23-14811	1	Mounting Level Switch Bracket	-
3	12-00111	2	Capscrew, Hex Head 1/4 -20 x 3/4"	-
4	14-00112	2	Nylock Hex Nut 1/4 -20	-
5	12-00711	2	Capscrew, Hex Head M8 x 1.25 x 20 mm	-
6	15-01132	2	Lock Washer M8	-
7	21-00015	4	Steel Male Elbow 90°, 1/4 NPT x 3/8 -37T	-
8	27-71035	1	Brass Bushing 1/2 NPT x 1/4 NPT	-
9		1	Steel Tube 3/8" O.D.*	-
10		1	Steel Tube 3/8" O.D.*	-

\*Fabricated on assembly - price and availability on request.

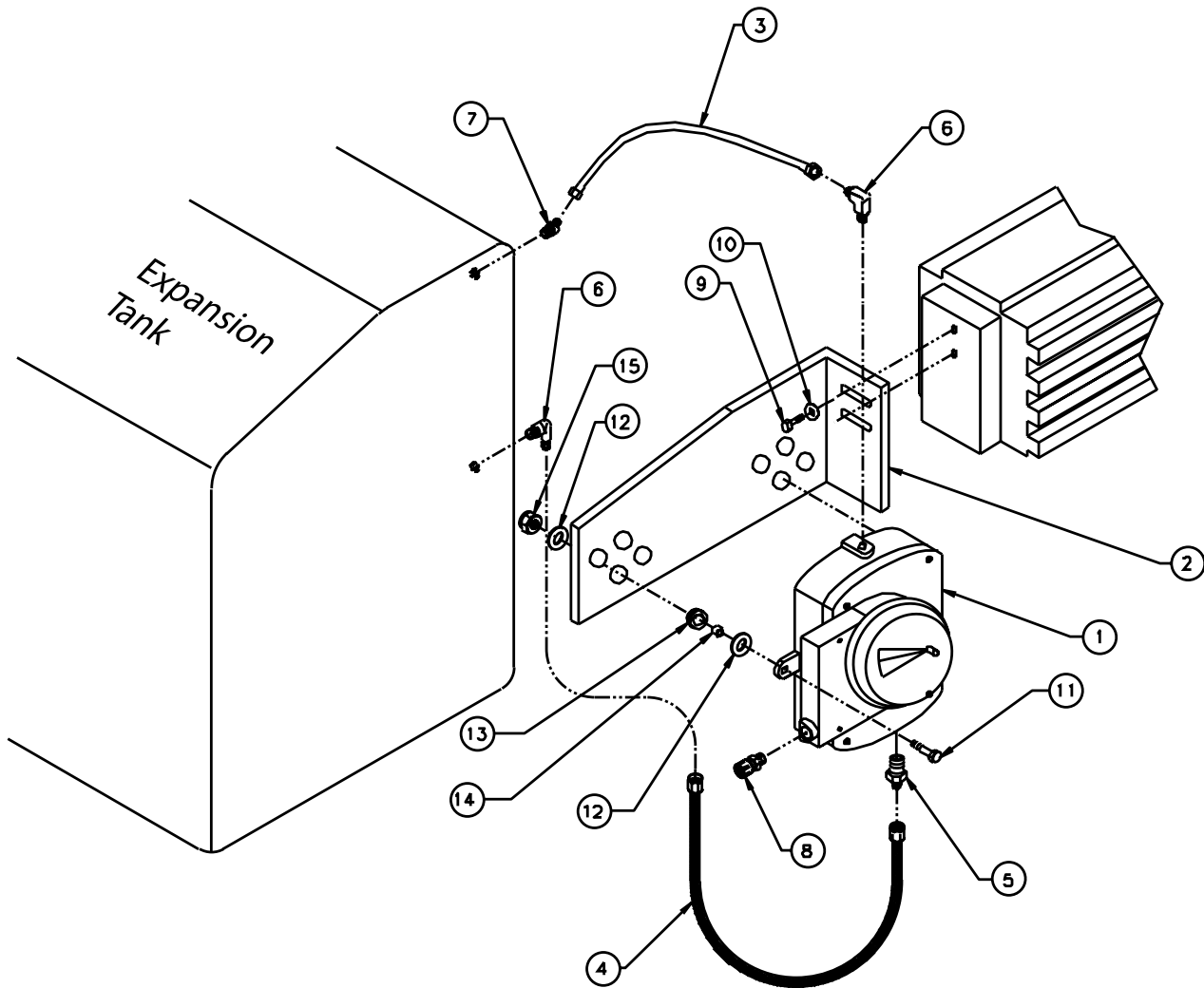
**WATER LEVEL SWITCH GAUGE - ALUMINUM EXPANSION TANK**



A-3875, A-3874 / C-2241

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-10001	1	Low Water Level Switch Gauge, Standard Ground	-
	22-10003	1	Low Water Level Switch Gauge, Isolated Ground	-
2	23-74808	1	Mounting Bracket	-
3	27-74802	1	Lower Tube Assembly	-
4	27-74801	1	Upper Tube Assembly	-
5	21-00135	2	Brass Bushing 1/2 NPT x 1/4 NPT	-
6	21-74406	3	Brass Male Connection 1/4 NPT x 1/4 -37 Tube	-
7	21-71049	1	90° Brass Elbow 1/4 NPT x 1/4 -37 Tube	-
8	12-00712	2	Capscrew, Hex Head M8 x 1.25 x 2 mm	-
9	12-00112	2	Capscrew, Hex Head 1.4 -20 x 1"	-
10	15-00701	2	Flat Washer M8	-
11	15-00111	2	Flat Washer 1/4"	-
12	14-00112	2	Nylock Hex Nut 1/4 -20	-
13	21-52207	1	Brass Street Tee 1/4 NPT	-
14	21-10002	1	Draincock 1/4 NPT	-
15	00-40016	1	Drain Relief Cord Connection 1/2" (Isolated Ground Application Only)	-

**LOW COOLANT LEVEL SWITCH/ GAUGE ISOLATED GROUND**



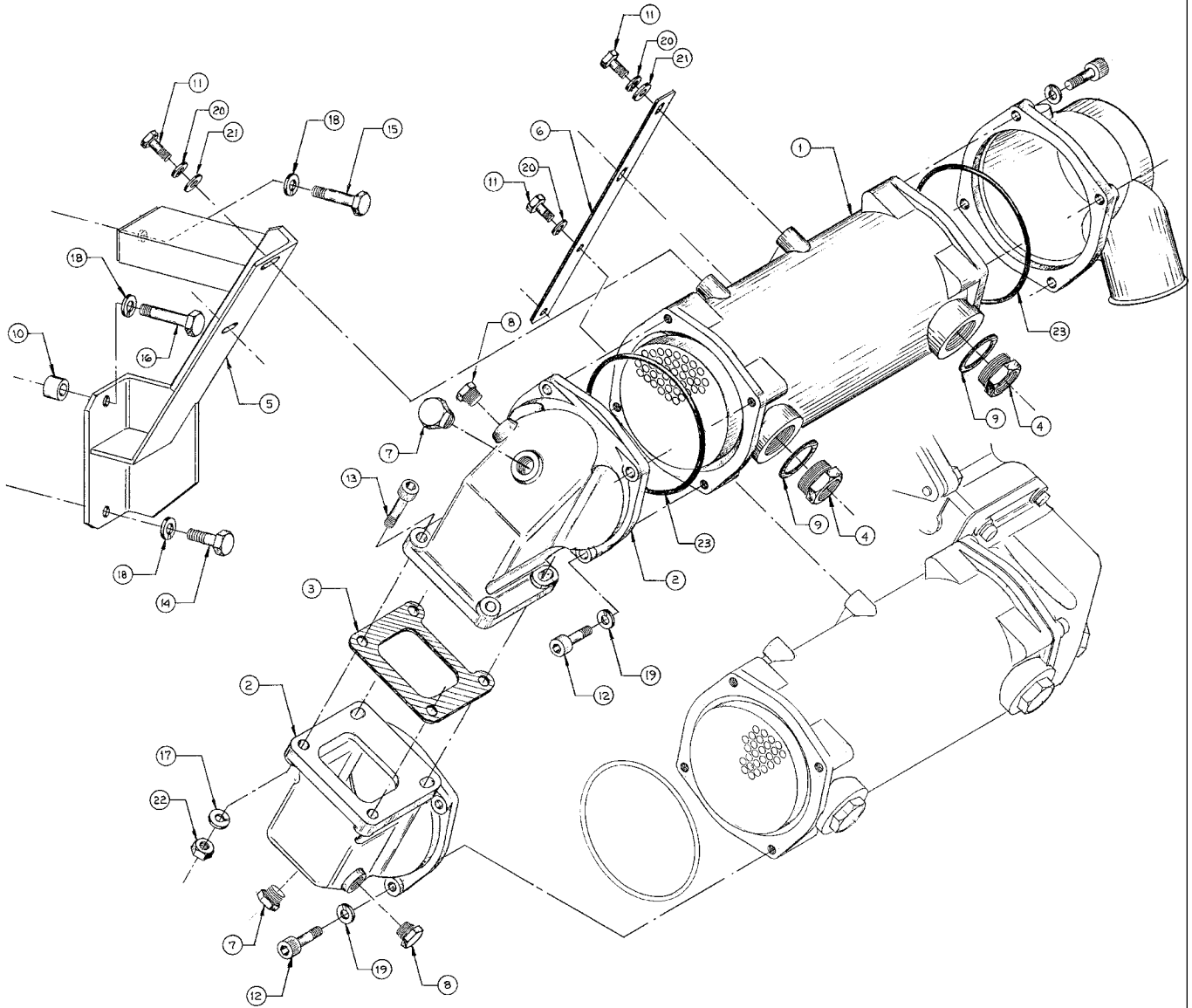
A-7022 / C-5043

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-10003	1	Coolant Level Switch Gauge Isolated Ground	-
2	23-44822	1	Bracket, Coolant Level Switch Gauge Mounting	-
3	18-14809	1	Hose Assembly 1/4" I.D. x 8" Stainless Steel	-
4	18-14810	1	Hose Assembly 1/4" I.D. x 11" S/S	-
5	21-75405	1	Male Connector Steel 1/2 NPT x 1/4 -37T	-
6	21-71049	2	Male Elbow 90° Steel 1/4 NPT x 1/4 -37T	-
7	21-05404	1	Male Elbow 45° Steel 1/4 NPT x 1/4 -37T	-
8	00-40016	1	Strain Relief Connection 1/2 NPT	-
9	12-00711	2	Capscrew, Hex Head M8 x 1.25 x 20 mm	-
10	15-00701	2	Flat Washer M8	-
11	12-00032	2	Capscrew, Hex Head M6 x 1.0 x 30 mm	-
12	15-70003	4	Snubbing Washer S/S	-
13	00-41074	2	Grommet	-
14	21-15014	2	Spacer	-
15	14-04803	2	Hex Nut, Nylock	-

NOTES

HYDRAULIC SYSTEM COOLER

L6125 Keel Cooled



A-5296 / D-2204



## ACCESSORIES AND OPTIONAL EQUIPMENT

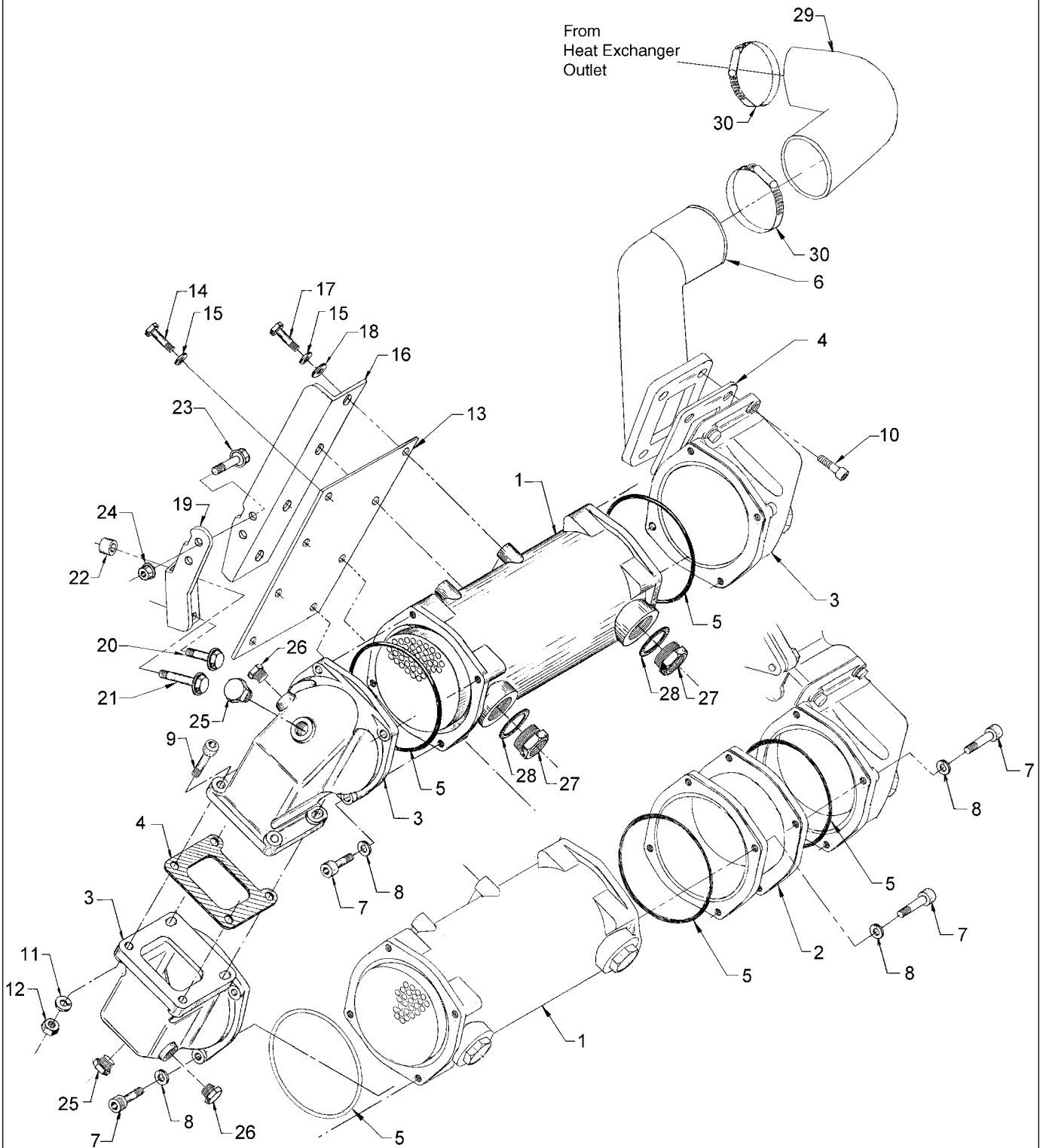
## HYDRAULIC SYSTEM COOLER

*L6125 Keel Cooled*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	20-64800	1	Gear Oil Cooler	-
2	20-14801	2	End Cover, Gear Oil Cooler Outlet	-
3	11-14806	1	Gasket	-
4	31-14805	2	Bushing, Steel	-
5	23-74818	1	Bracket, Hydraulic Oil Cooler Support, Rear	-
6	23-74817	1	Bracket, Hydraulic Oil Cooler Support, Forward	-
7	21-00530	2	Plug, Hex Head, Brass 1/2 NPT	-
8	21-31624	2	Plug, Hex Head, Brass 1/4 NPT	-
9	11-14807	2	Gasket, Gear Cooler Port	-
10	21-74807	1	Spacer	-
11	12-00711	6	Capscrew, Hex Head M8 x 1.25 x 20 mm	-
12	12-14802	8	Capscrew, Socket Head M8 x 1.25 x 30 mm	-
13	12-20815	4	Capscrew, Socket Head M10 x 1.5 x 40 mm	-
14	12-00805	1	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
15	12-00816	1	Capscrew, Hex Head M10 x 1.5 x 50 mm	-
16	12-00048	1	Capscrew, Hex Head M10 x 1.5 x 60 mm	-
17	15-00803	4	Lock Washer, Hi-Collar M10	-
18	15-00802	3	Lock Washer, M10	-
19	15-00704	8	Lock Washer, Hi-collar M8	-
20	15-00702	6	Lock Washer M8	-
21	15-00701	4	Flat Washer M8	-
22	14-00811	4	Hex Nut M10 x 1.5	-
23	16-64801	2	O-ring	-

**HYDRAULIC SYSTEM COOLER**

*L6125 Heat Exchanger Cooled*



A-5296 / D-3594

## ACCESSORIES AND OPTIONAL EQUIPMENT

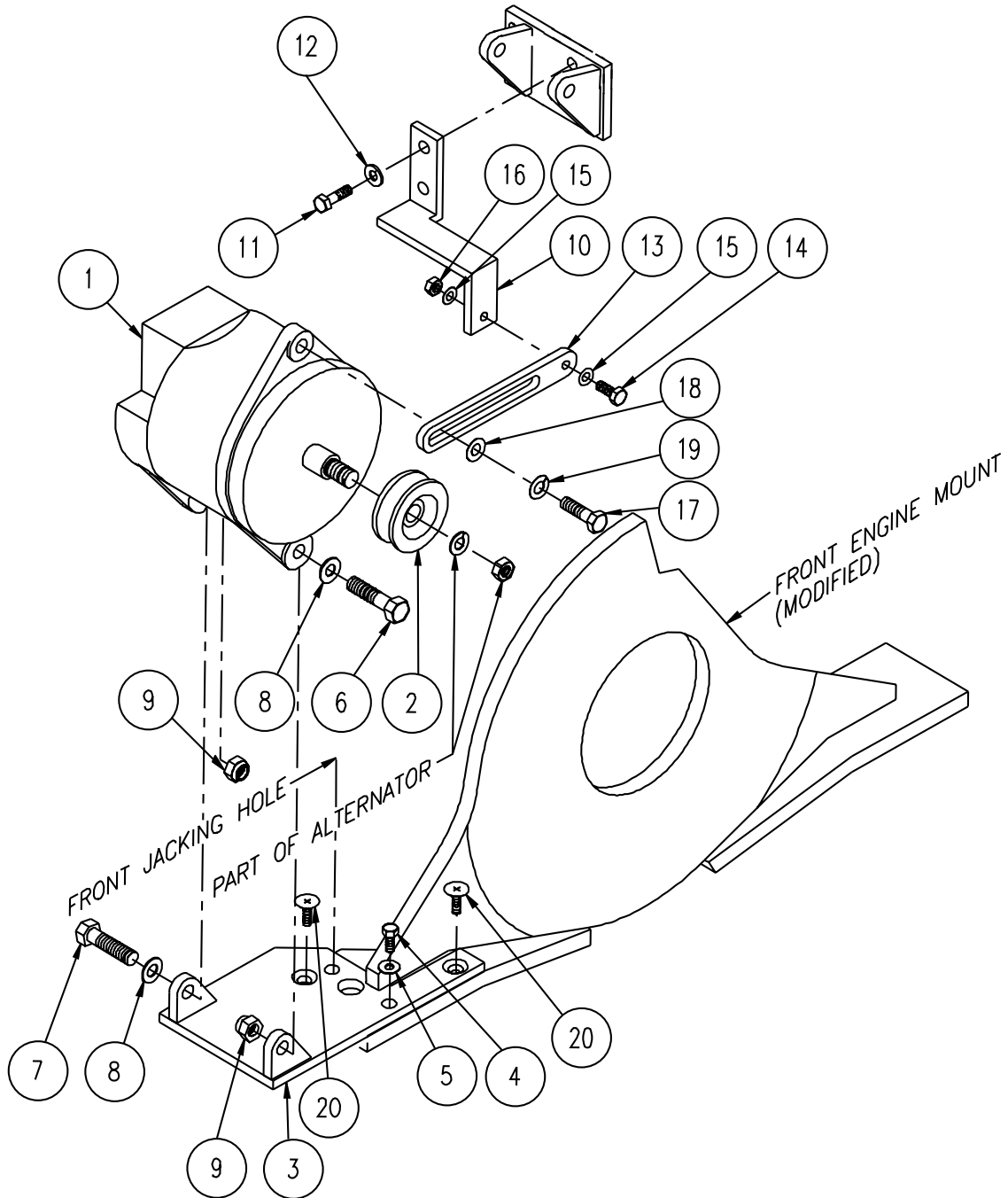
## HYDRAULIC SYSTEM COOLER

*L6125 Heat Exchanger Cooled*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	20-64800	2	Gear Oil Cooler	-
2	31-74808	1	Adapter Spacer	-
3	20-14801	3	End Cover, Gear Oil Cooler Outlet	-
4	11-14806	2	Gasket	-
5	16-64801	5	O-ring	-
6	27-64801	1	Tube, Oil Cooler Inlet	-
7	12-14802	20	Capscrew, Socket Head M8 x 1.25 x 30 mm	-
8	15-00704	20	Lock Washer, Hi-Collar M8	-
9	12-20815	4	Capscrew, Socket Head M10 x 1.5 x 40 mm	-
10	12-34803	4	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
11	15-00805	8	Flat Washer M10	-
12	14-00811	4	Hex Nut M10 x 1.5	-
13	23-74842	1	Tie Plate	-
14	12-00711	4	Capscrew, Hex Head M8 x 1.25 x 20 mm	-
15	15-00702	8	Lock Washer M8	-
16	23-74841	1	Bracket, Hydraulic Oil Cooler Support, Upper	-
17	12-00712	4	Capscrew, Hex Head M8 x 1.25 x 25	-
18	15-00701	8	Flat Washer M8	-
19	23-74843	1	Bracket, Hydraulic Oil Cooler Support, Lower	-
20	01435-01020	1	Capscrew, Flange Head M10 x 1.5 x 20 mm	-
21	01435-01060	1	Capscrew, Flange Head M10 x 1.5 x 60 mm	-
22	21-74807	1	Spacer	-
23	12-80513	2	Capscrew, Hex Head Flange 1/2-13 x 1-1/4	-
24	14-00502	2	Lock Nut, Flanged	-
25	21-00530	3	Plug, Hex Head Brass 1/2 NPT	-
26	21-31624	3	Plug, Hex Head Brass 1/4 NPT	-
27	31-14805	2	Bushing, Steel	-
28	11-14807	2	Gasket	-
29	18-14811	1	Hose, 2-5/8" ID	-
30	19-00044	2	Hose Clamp #44	-

**SECOND ALTERNATOR, LARGE FRAME**

*L6125 Heat Exchanger Cooled*



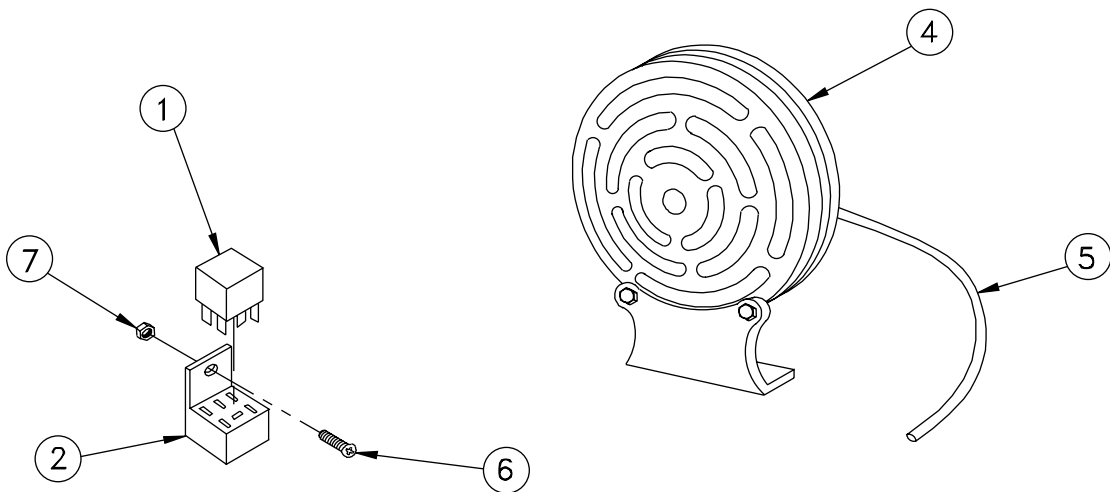
A-8335 / D-3385

## ACCESSORIES AND OPTIONAL EQUIPMENT

**SECOND ALTERNATOR, LARGE FRAME***L6125 Heat Exchanger Cooled*

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
• •	23-84846	1	Bracket, Front Engine Mounting	-
1	22-40282	1	Alternator 12 Volt/ 140 Amp Isolated Ground	-
	22-40277	1	Alternator 24 Volt/ 75 Amp Isolated Ground	-
2	34-45001	1	Pulley	-
3	23-44825	1	Bracket, 2nd Alternator Mounting, Right Hand	-
4	12-00953	1	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
5	15-00912	1	Lock Washer M12	-
6	12-00516	1	Capscrew, Hex Head 1/2 -13 x 2"	-
7	12-00518	1	Capscrew, Hex Head 1/2 -13 x 2 -1/2"	-
8	15-00504	4	Flat Washer 1/2"	-
9	14-00512	2	Hex Nut, Nylock 1/2 -13	-
10	23-44826	1	Bracket, Tensioning Arm Mounting	-
11	12-00812	2	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
12	15-00802	2	Lock Washer	-
13	23-70026	1	Tensioning Arm	-
14	12-00213	1	Capscrew, Hex Head 5/16 -13 x 1 -1/4"	-
15	15-00211	2	Flat Washer 5/16"	-
16	14-00212	1	Hex Nut, Nylock 5/16 -18	-
17	12-00513	1	Capscrew, Hex Head 1/2 -13 x 1 -1/4"	-
18	15-00501	1	Flat Washer 1/2"	-
19	15-00504	1	Flat Washer 1/2" SAE	-
20	12-10912	2	Capscrew, Flathead Socket M12 x 1.75 x 25 mm (Grade 10.9)	-
21	40-05401	1	Drive Belt (not shown)	-
			Belt Guard & Mounting Parts: (Encloses both Right Side Mounted Alternators - not illustrated)	
22	00-74861	1	Belt Guard, Dual Large Frame Alternators	-
23	12-00805	1	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
24	12-00832	1	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
25	15-00805	2	Flat Washer M10	-
26	15-00802	2	Lock Washer M10	-
27	12-00711	1	Capscrew, Hex Head M8 x 1.25 x 20 mm	-
28	15-00701	1	Flat Washer M8	-
29	15-00702	1	Lock Washer M8	-

**REMOTE 12 AND 24 VOLT LOUD ALARM**



A-4186, A-4115 / B-alarm

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-42047	1	12 Volt Relay SPST	-
	22-40085	1	24 Volt Relay SPST	-
2	22-40391	1	Relay Base (formerly #22-41032)*	-
3	22-41060	2	6 Amp Diode (not shown)	-
4	22-41007	1	Alarm Horn, 12 Volt	-
	22-40933	1	Alarm Horn, 24 Volt	-
5	22-74814	1	Wire Harness Assembly (includes keys 2-3)	-
6	12-03010	1	Machine Screw #10 - 32 x 3/8 100 F.H. CSK	-
7	14-00001	1	Hex Nut, Steel #10 -32	-
8	22-40393	1	Retainer*	-
<p>*Note: Included in Relay Base Retrofit Kit #22-40395</p>				





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