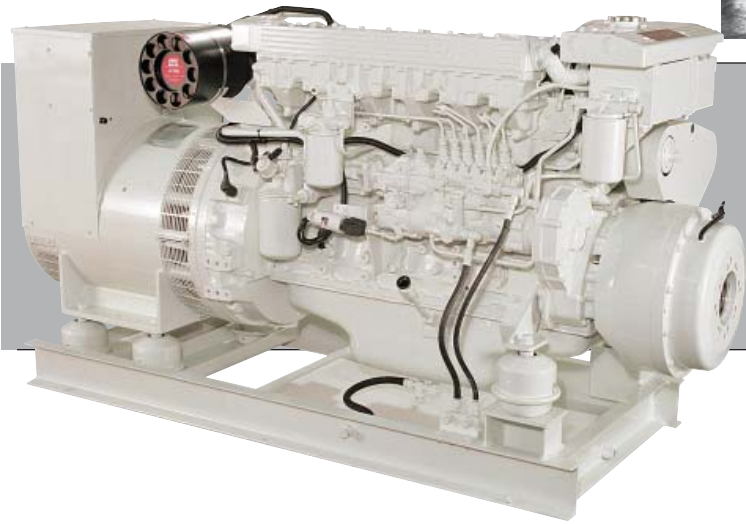




P6108

For Models: L6108, LC6108, and M6108

PARTS CATALOG

Marine Generators | Marine Diesel Engines | Land-Based Generators



LUGGER





— 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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PART NO.: P6108 06/02



PARTS CATALOG

for Models L-6108, LC-6108, & M-6108

Please read thoroughly before attempting to use this manual:

Table of Contents	1
Model Designation & Serial Numbers.....	2
Reading a Parts Page	3

Table of Contents

GROUP 1 - ENGINE

Cylinder Block Assembly	0 - 3
Crankshaft Assembly	4 - 5
Flywheel & Housing.....	6 - 7
Piston & Connecting Rod	8 - 9
Timing Gear Cover.....	10 - 13
Accessory Drive Assembly	14
Camshaft	15
Oil Filter & Mounting.....	16
Oil Pan	17
Oil Drain	18
Dipstick.....	19
Oil Pump & Suction Pick-up	20 - 23
Cylinder Head	24 - 27
Rocker Arm Cover.....	28 - 29

GROUP 2 - INTAKE & EXHAUST SYSTEM

Lower Manifold & Aftercooler	0
Intake Manifold - Upper Half	1
Air Filters & Mounting	2 - 8
Exhaust Manifold	9
Turbocharger Application List	10 - 11
Turbochargers & Mounting	12 - 27
Turbochargers	28 - 35
Dry Exhaust Elbows	36 - 40
Wet Exhaust Elbows	41 - 45

GROUP 3 - COOLING SYSTEM

Expansion Tank & Thermostat Housing.....	0 - 1
Heat Exchangers & Gear Oil Coolers	2 - 9
Coolant Pump	10
Raw Water Pump & Mounting	11
Raw Water Pump Drive Assemblies	12 - 15
Raw Water Pump.....	16
Water Treatment Unit & Mounting	17
Lubricating Oil Cooler	18 - 19
Gear Oil Coolers - Keel Cooling	20 - 23

GROUP 4 - FUEL SYSTEM

Injection Pump & Fuel Lines	0 - 3
Double Wall Fuel Lines.....	4 - 5
Injection Pump Application List.....	6
Injectors, Glow Plugs & Fuel Return Lines ..	8 - 11
Fuel Filters & Mounting	12 - 15
Fuel Line System, Standard Mounts	16
Fuel Lines with USCG Approved Hose.....	17
Fuel Feed Pump	18 - 19
Throttle Assembly	20 - 21

GROUP 5 - ELECTRICAL SYSTEM

Engine Electrical - 12 & 24 Volt.....	0 - 9
Stop Solenoid & Mounting	10 - 17
Circuit Breaker & Relay Panels.....	18 - 19
Relay Assembly Mounting Bracket	20
Relay Logic Board - 12 & 24 Volt	21
Alternators & Mounting	22 - 25
Drive Belt & Guard Applications	26
Instrument Panels	27 - 37

GROUP 6 - GASKET SETS

Gaskets.....	0 - 1
--------------	-------

GROUP 8 - FRAME & MOUNTING

Front & Rear Lifting Eyes	0
Base Frames.....	1 - 5

GROUP 9 - ACCESSORIES

& OPTIONAL EQUIPMENT

Remote Alarm Horn.....	0
Crankshaft Pulley	1
PTO & Electric Clutch Mounting.....	2
PTO Adapter	3
Electric Clutch	4
Oil Change Pump - Left Or Right Side Mtg. ...	5 - 6
Low Water Level Switch/Gauge.....	7 - 8
Belt Guard	9

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Model Designation

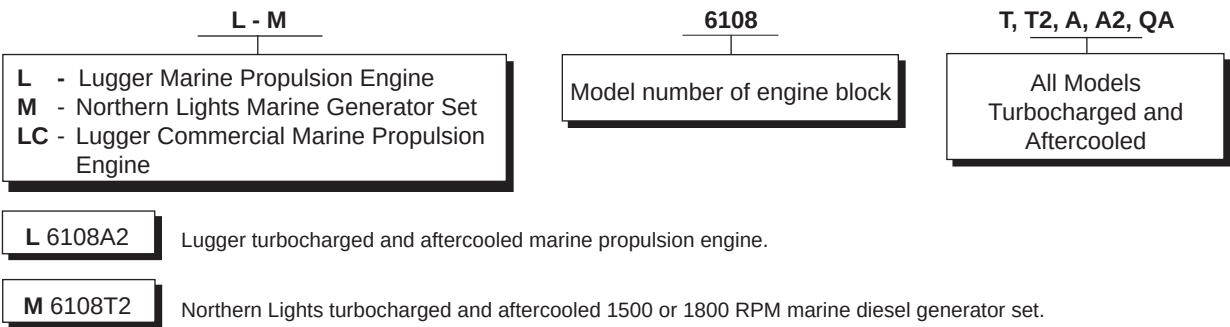
MODELS INCLUDED

This manual covers the operating instructions for:
L6108, LC6108, & M6108 which use the 6108 engine.

Refer to the category designations below to find the correct parts pages for your model.

Model Numbers

Model numbers give the unit's application, block model, aspiration, and RPM:



**When no suffix appears, data will be applicable to all models unless otherwise indicated.*

Serial Numbers

To reference Alaska Diesel Electric equipment by serial number, refer only to the Lugger or Northern Lights serial number.

LUGGER number plates on flywheel housing

LUGGER

Serial No.

Model No.

 **ALASKA DIESEL ELECTRIC, Inc.**
4420 14TH AVE. NW, SEATTLE, WA U.S.A.

GROUP A Serial Numbers	GROUP B Serial Numbers
7146 - 8025	8026 - 8045
8046 - 8051	8052 - 8071
8072 - 8089	8090 -

NORTHERN LIGHTS

Serial No.

Model No.

 **ALASKA DIESEL ELECTRIC, Inc.**
4420 14TH AVE. NW, SEATTLE, WA U.S.A.

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.

1

ELECTRICAL SYSTEM

ALTERNATOR ASSEMBLY: M - NL844

3

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5

KEY	PART NUMBER	QTY.	DESCRIPTION	SERIAL NUMBER
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	-

13

P844 06/96

14

11

5 - 2

12

REFERENCES:

1. Grouping section title.

2. Model designation of equipment that uses parts listed on this page.

3. Title and description of assembly.

4. Drawing numbers that correspond to key column numbers for parts identification.

5. Key column for locating parts shown on drawing.

6. Part number.
7. Quantity of parts used.

8. Description of each component part.

9. Serial number of unit the part fits.

10. Assembly or kit designated by Key 0 or •/•.

11. Grouping index 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 L-M6108T-A-AQ

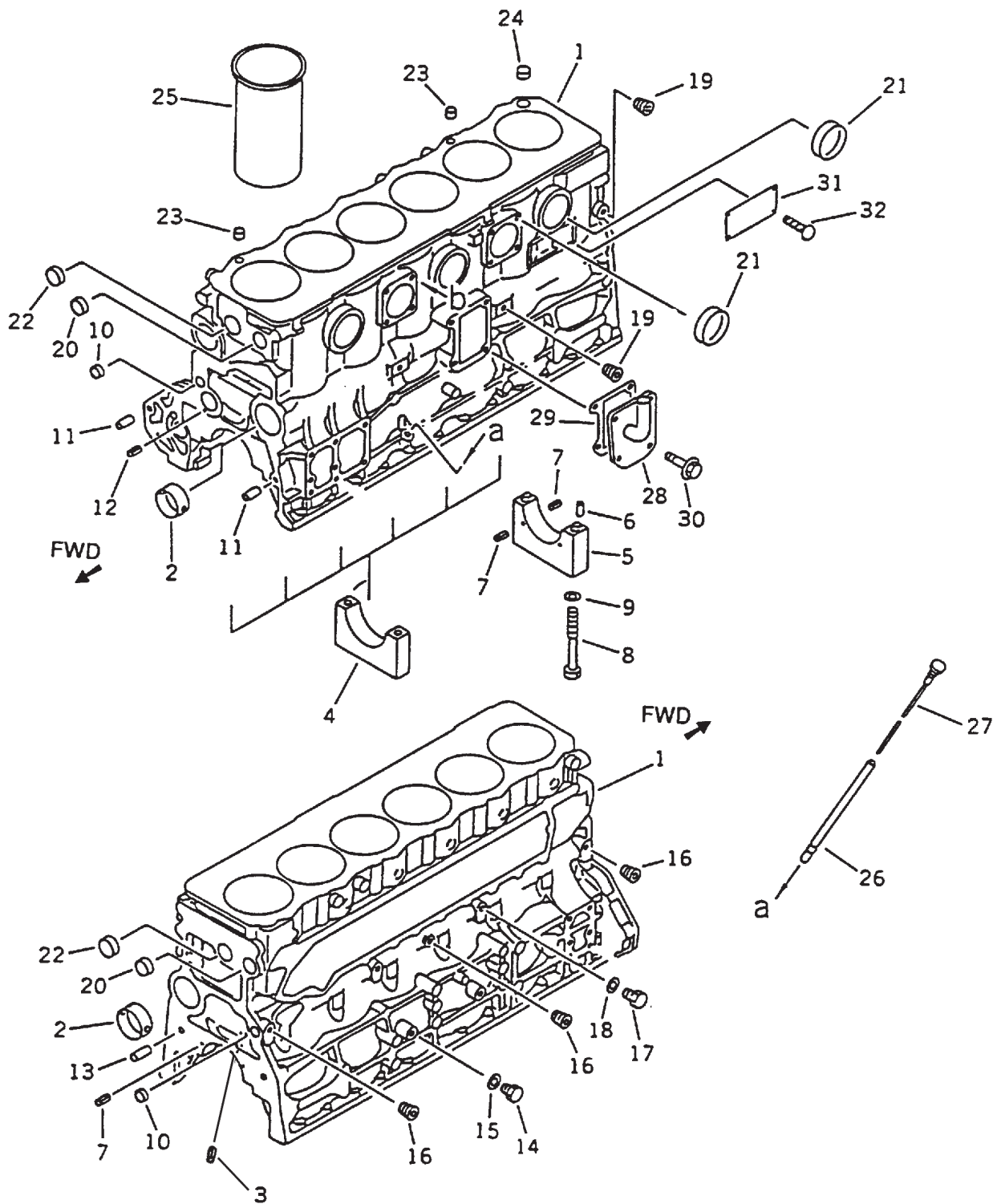


Figure 0201

Cylinder Block L-M6108T-A-QA

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER																				
1	6222-21-1101	1	Cylinder Block Assembly (includes keys #2 - #24)	-																				
2	6221-21-1410	4	Camshaft Bushing	-																				
3	04025-00408	**	Spring Pin	-																				
4	6222-29-1210	6	Main Bearing Cap	-																				
5	6222-29-1250	1	Main Bearing Cap	-																				
6	04020-00514	2	Dowel Pin	-																				
7	04025-00408	6	Spring Pin	-																				
8	6221-21-1710	14	Bolt	-																				
9	6130-32-1361	14	Washer	-																				
10	07046-42216	2	Expansion Plug	-																				
11	6136-21-1911	2	Dowel Ring	-																				
12	04025-00512	1	Spring Pin	-																				
13	04020-01228	2	Dowel Pin	-																				
14	07040-11209	2	Plug	-																				
15	07005-01212	2	Gasket	-																				
16	07043-70108	3	Plug	-																				
17	07040-11007	1	Plug	-																				
18	07005-01012	1	Gasket	-																				
19	07043-70211	2	Plug	-																				
20	07046-43016	2	Expansion Plug (064200030)	-																				
21	07046-46520	5	Expansion Plug	-																				
22	07046-43516	2	Expansion Plug	-																				
23	6221-21-1790	2	Bushing	-																				
24	07046-42010	1	Expansion Plug	-																				
25	6222-23-2211	**	Cylinder Liner (S)	*																				
	6222-23-2221	**	Cylinder Liner (M)	*																				
	6222-23-2231	**	Cylinder Liner (L)	*																				
26	6221-21-5410	1	Dipstick Tube (Keel cooled Propulsion Units) ***	-																				
27	6206-21-5310	1	Dipstick (Keel cooled Propulsion Units) ***	-																				
28	28-05701	1	Cover (L-M)	-																				
	6221-21-7210	1	Cover (NL)	-																				
29	6136-21-7830	1	Gasket	-																				
30	01435-01025	4	Bolt	-																				
31	09605-01425	1	Name Plate (limited supply)	-																				
32	04418-02550	4	Screw	-																				
***See Dipstick & Tube for Heat Exchanged Units																								
**As required																								
*NOTE: For each cylinder, check that the mark on the cylinder liner and the stamped mark (S, M or L) on the top face of right side of the cylinder block correctly coincide.																								
<table><tr><th>BLOCK MARK</th><th>LINER PART NO.</th><th colspan="2">LINER MARK</th></tr><tr><td></td><td></td><th>Bottom</th><th>Top</th></tr><tr><td>S</td><td>6222-23-2211</td><td>S</td><td>I</td></tr><tr><td>M</td><td>6222-23-2221</td><td>M</td><td>II</td></tr><tr><td>L</td><td>6222-23-2231</td><td>L</td><td>III</td></tr></table>					BLOCK MARK	LINER PART NO.	LINER MARK				Bottom	Top	S	6222-23-2211	S	I	M	6222-23-2221	M	II	L	6222-23-2231	L	III
BLOCK MARK	LINER PART NO.	LINER MARK																						
		Bottom	Top																					
S	6222-23-2211	S	I																					
M	6222-23-2221	M	II																					
L	6222-23-2231	L	III																					

Cylinder Block L-M6108T2-A2

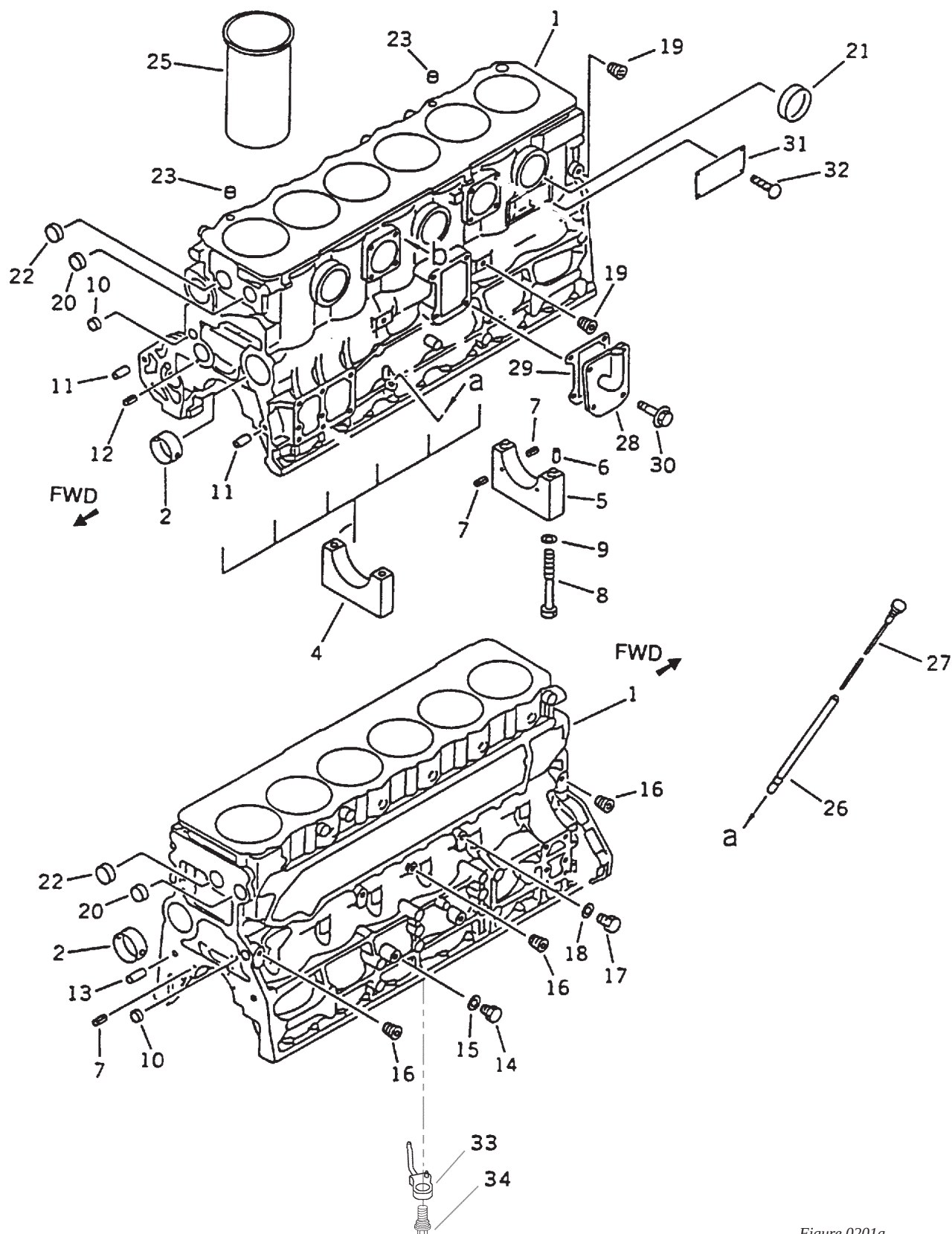


Figure 0201a

Cylinder Block L-M6108T2-A2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER																				
1	6221-23-1120	1	Cylinder Block Assembly (includes keys #2 - #24)	-																				
2	6221-21-1410	4	Camshaft Bushing	-																				
4	6222-29-1210	6	Main Bearing Cap	-																				
5	6222-29-1250	1	Main Bearing Cap	-																				
6	04020-00514	2	Dowel Pin	-																				
7	04025-00408	6	Spring Pin	-																				
8	6221-21-1710	14	Bolt	-																				
9	6130-32-1361	14	Washer	-																				
10	07046-42216	2	Expansion Plug	-																				
11	6136-21-1911	2	Dowel Ring	-																				
12	04025-00512	1	Spring Pin	-																				
13	04020-01228	2	Dowel Pin	-																				
14	07040-11209	2	Plug	-																				
15	07005-01212	2	Gasket	-																				
16	07043-70108	3	Plug	-																				
17	07040-11007	1	Plug	-																				
18	07005-01012	1	Gasket	-																				
19	07043-70211	2	Plug	-																				
20	07046-43016	2	Expansion Plug (064200030)	-																				
21	07046-45016	3	Expansion Plug	-																				
22	07046-43516	2	Expansion Plug	-																				
23	6221-21-1790	2	Bushing	-																				
25	6222-23-2211	**	Cylinder Liner (S) *	-																				
	6222-23-2221	**	Cylinder Liner (M) *	-																				
	6222-23-2231	**	Cylinder Liner (L) *	-																				
26	6221-21-5410	1	Dipstick Tube (Keel Cooled)	-																				
27	6206-21-5310	1	Dipstick	-																				
28	28-05701	1	Cover (L-M)	-																				
	6221-21-7210	1	Cover (NL)	-																				
29	6136-21-7830	1	Gasket	-																				
30	01435-01025	4	Bolt	-																				
31	09605-01425	1	Name Plate (limited supply)	-																				
32	04418-02550	1	Screw	-																				
33	6222-23-1810	6	Piston Cooling Nozzle	-																				
34	6222-23-1820	6	Check Valve	-																				
 **As required																								
 *NOTE: For each cylinder, check that the mark on the cylinder liner and the stamped mark (S, M or L) on the top face of right side of the cylinder block correctly coincide.																								
<table><tr><td>BLOCK MARK</td><td>LINER PART NO.</td><td colspan="2">LINER MARK</td></tr><tr><td></td><td></td><td>Bottom</td><td>Top</td></tr><tr><td>S</td><td>6222-23-2211</td><td>S</td><td>I</td></tr><tr><td>M</td><td>6222-23-2221</td><td>M</td><td>II</td></tr><tr><td>L</td><td>6222-23-2231</td><td>L</td><td>III</td></tr></table>					BLOCK MARK	LINER PART NO.	LINER MARK				Bottom	Top	S	6222-23-2211	S	I	M	6222-23-2221	M	II	L	6222-23-2231	L	III
BLOCK MARK	LINER PART NO.	LINER MARK																						
		Bottom	Top																					
S	6222-23-2211	S	I																					
M	6222-23-2221	M	II																					
L	6222-23-2231	L	III																					

Crankshaft Assembly

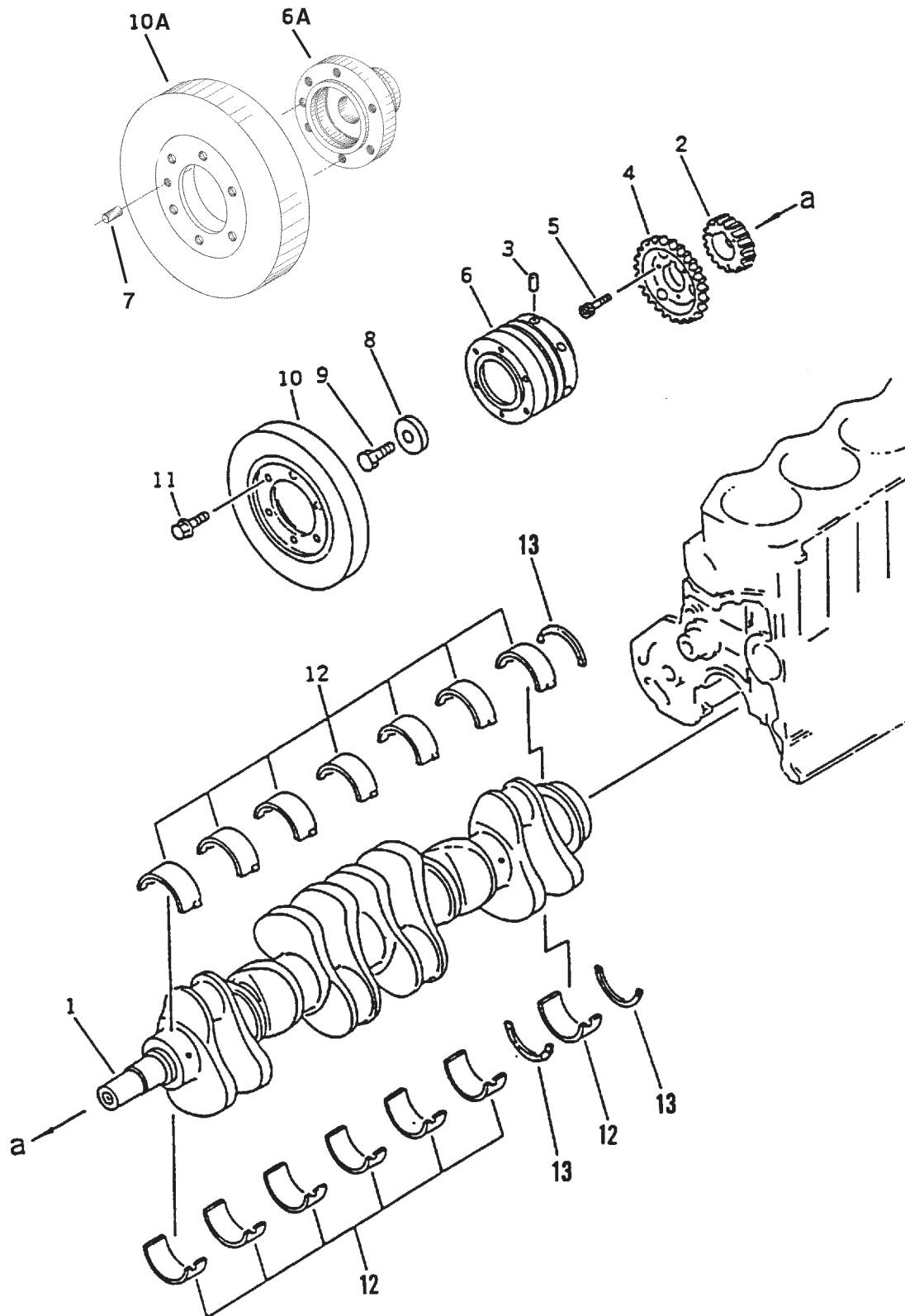
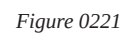


Figure 0231a

Crankshaft Assembly

KEY	PART NUMBER	QTY	DESCRIPTION	KOMATSU S/N
1	6222-35-1900	1	Crankshaft Assembly (includes key #2)	Up to - 17508
	6222-35-1901	1	Crankshaft Assembly (includes key #2)	From 17509 -
2	6222-35-1920	1	Gear	Up to - 17508
	6222-35-1921	1	Gear	From 17509 -
3	6138-31-1460	1	Pin	From 12825 -
4	6222-35-1930	1	Gear, Oil Pump Drive	-
5	01252-30825	3	Bolt	Up to - 17508
	6136-31-1240	3	Bolt	Up to - 22179
	01437-00830	3	Bolt	From 22180 -
6	6138-31-1452	1	Pulley (Early Production)	Up to - 12824
6A	6222-35-1940	1	Adapter (Late Production)	Up to - 17508
	6222-35-1941	1	Adapter (Late Production)	Up to - 22179
	6222-35-1942	1	Adapter (Late Production)	From 22180 -
7	04020-01228	1	Pin (used with #6A & #10A)	From 12825 -
8	6136-31-1431	1	Plate	-
9	01050-31845	1	Bolt	-
10	6138-31-8100	1	Damper (Early Production)	Up to - 12824
10A	6151-31-8300	1	Damper (Late Production)	From 12825 -
11	01435-01220	6	Capscrew, Hex Head Flanged, M12 x 1.75 x 20 mm	-
12	6221-21-8010	7	Main Bearing Assembly, Std.	-
	6221-29-8010	7	Main Bearing Assembly, undersize 0.25 mm	-
	6221-28-8010	7	Main Bearing Assembly, undersize 0.50 mm	-
	6221-27-8010	7	Main Bearing Assembly, undersize 0.75 mm	-
	6221-26-8010	7	Main Bearing Assembly, undersize 1.00 mm	-
13	6221-21-8050	1	Thrust Bearing Assembly, Std.	-
	6221-29-8050	1	Thrust Bearing Assembly, oversize 0.25 mm	-
	6221-28-8050	1	Thrust Bearing Assembly, oversize 0.50 mm	-
	6221-27-8050	1	Thrust Bearing Assembly, oversize 0.75 mm	-
	6221-26-8050	1	Thrust Bearing Assembly, oversize 1.00 mm	-



1 - 6

Flywheel & Housing SAE #1/ #14 L-M6108

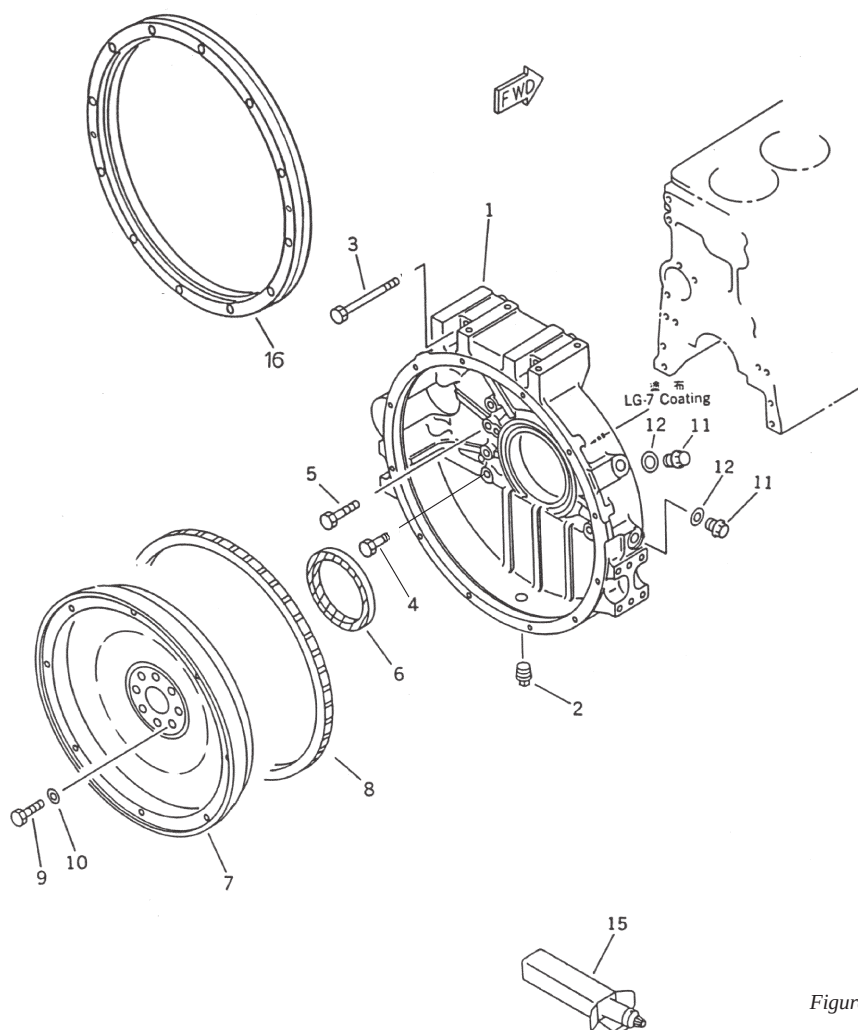


Figure 0221 (flywheel6108)

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6222-21-4111	1	Flywheel Housing SAE#1	-
2	07042-00415	1	Plug	-
3	01436-01205	2	Capscrew, Hex Head Flanged M12 x 1.75 x 105 mm, Grade 10.9	-
4	01435-01255	2	Capscrew, Hex Head Flanged M12 x 1.75 x 55 mm, Grade 10.9	-
5	01435-01245	9	Capscrew, Hex Head Flanged M12 x 1.75 x 45 mm, Grade 10.9	-
6	6221-21-4510	1	Rear Main Seal	-
	6221-21-4520	1	Rear Main Seal (Repair Type)	-
7	6221-31-4170	1	Flywheel Assembly SAE #14 (includes key #8)	-
8	6150-31-1351	1	Ring Gear (148 Teeth)	-
9	01050-31465	8	Capscrew, Hex Head M14 x 1.5 x 65 mm	-
10	6130-32-1361	8	Flat Washer M14 Special	-
11	6114-11-8910	2	Plug	-
12	07005-02216	2	Gasket	-
15	09920-00150	**	Liquid Gasket, LG-7	-
16	6221-21-4940	1	Adapter	-
			**As required	

Piston & Connecting Rod L-M 6108T & A

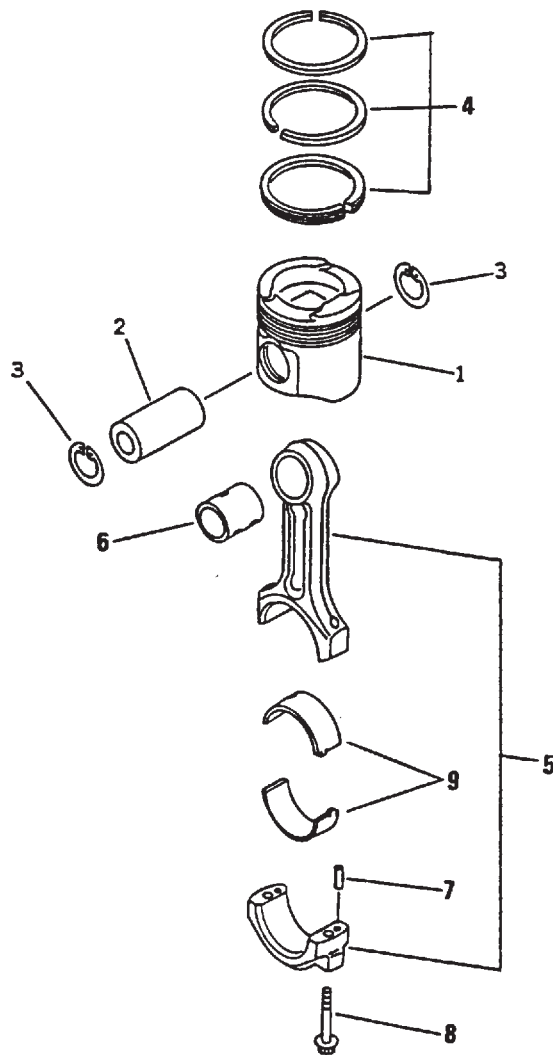


Figure 0235

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6222-31-2110	6	Piston	-
2	6221-31-2410	6	Piston Pin	-
3	04065-04518	12	Snap Ring	-
4	6221-31-2200	6	Piston Ring Set	-
5	6221-31-3100	6	Connecting Rod Assembly (includes keys #6 - #8)	-
6	6221-31-3130	1	Bushing	-
7	02400-10313	2	Dowel Pin	-
8	6221-31-3310	2	Bolt	-
9	6222-31-3040	6	Connecting Rod Bearing Assembly, Std.	-
	6222-39-3040	6	Connecting Rod Bearing Assembly, undersize 0.25 mm	-
	6222-38-3040	6	Connecting Rod Bearing Assembly, undersize 0.50 mm	-
	6222-37-3040	6	Connecting Rod Bearing Assembly, undersize 0.75 mm	-
	6222-36-3040	6	Connecting Rod Bearing Assembly, undersize 1.00 mm	-

Piston & Connecting Rod L-M 6108T2 & A2

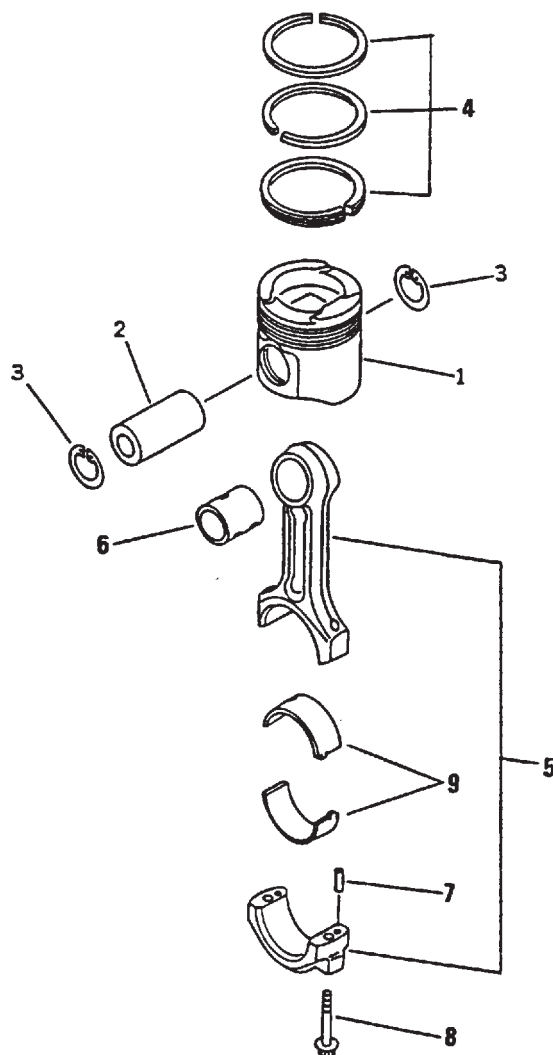


Figure 0235

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6222-35-2150	6	Piston	-
2	6221-31-2410	6	Piston Pin	-
3	04065-04518	12	Snap Ring	-
4	6221-31-2200	6	Piston Ring Set	-
5	6222-31-3100	6	Connecting Rod Assembly (includes keys #6 - #8)	-
6	6222-31-3130	1	Bushing	-
7	02400-10313	2	Dowel Pin	-
8	6221-31-3310	2	Bolt	-
9	6222-31-3050	6	Connecting Rod Bearing Assembly, Std.	-
	6222-39-3050	6	Connecting Rod Bearing Assembly, undersize 0.25 mm	-
	6222-38-3050	6	Connecting Rod Bearing Assembly, undersize 0.50 mm	-
	6222-37-3050	6	Connecting Rod Bearing Assembly, undersize 0.75 mm	-
	6222-36-3050	6	Connecting Rod Bearing Assembly, undersize 1.00 mm	-

Timing Cover L-M 6108

Without Accessory Drive

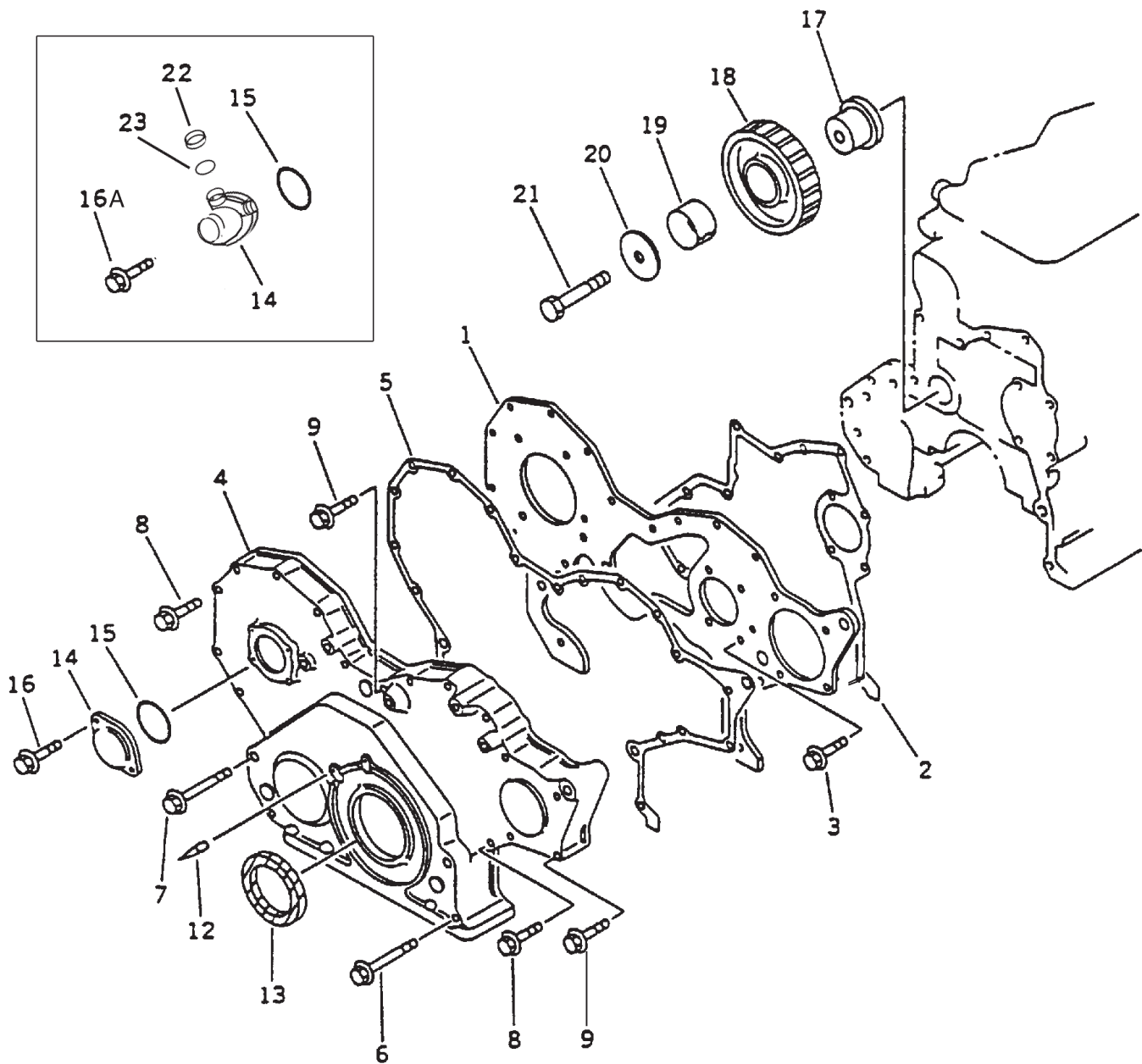


Figure 0205A

Timing Cover L-M 6108

Without Accessory Drive

KEY	PART NUMBER	QTY	DESCRIPTION	KOMATSU S/N
1	6222-21-3221	1	Cover Backing Plate	Up to - 12824
2	6221-21-3820	1	Gasket (Formerly #6221-21-3890)	Up to - 12824
3	01435-00820	4	Capscrew, Hex Head Flanged M8 x 1.25 x 20 mm, Grade 10.9	Up to - 12824
4	6221-21-3120	1	Timing Cover	Up to - 12824
5	6221-21-3811	1	Gasket (Formerly #6221-21-3810)	Up to - 12824
6	01435-00885	2	Capscrew, Hex Head Flanged M8 x 1.25 x 85 mm, Grade 10.9	Up to - 12824
7	01435-00895	2	Capscrew, Hex Head Flanged M8 x 1.25 x 95 mm, Grade 10.9	Up to - 12824
8	01435-00855	8	Capscrew, Hex Head Flanged M8 x 1.25 x 55 mm, Grade 10.9	Up to - 12824
9	01435-00865	4	Capscrew, Hex Head Flanged M8 x 1.25 x 65 mm, Grade 10.9	Up to - 12824
12	6221-21-3910	1	Pin	Up to - 12824
13	6136-22-3510	1	Front Seal (Formerly #6136-21-3510)	Up to - 12824
14	6144-81-5151	1	Cover	Up to - 12824
	6142-82-5112	1	Tachometer Drive	-
15	07000-03050	1	O-Ring	Up to - 12824
16	01435-00612	2	Capscrew, Hex Head Flanged M6 x 1.0 x 12 mm, Grade 10.9	Up to - 12824
16A	01435-00616	2	Capscrew, Hex Head Flanged M6 x 1.0 x 16 mm, Grade 10.9	
17	6221-21-2410	1	Idler Shaft	Up to - 12824
18	6221-31-6300	1	Idler Gear Assembly (includes keys #19)	Up to - 12824
19	6221-31-6340	1	Bushing	Up to - 12824
20	6221-21-2420	1	Washer	Up to - 12824
21	01010-61480	1	Capscrew, Hex Head M14 x 2.0 x 80 mm	Up to - 12824
22	6130-82-5260	1	Cap	-
23	6130-82-5270	1	Gasket	-

Timing Cover L-M 6108

With Accessory Drive

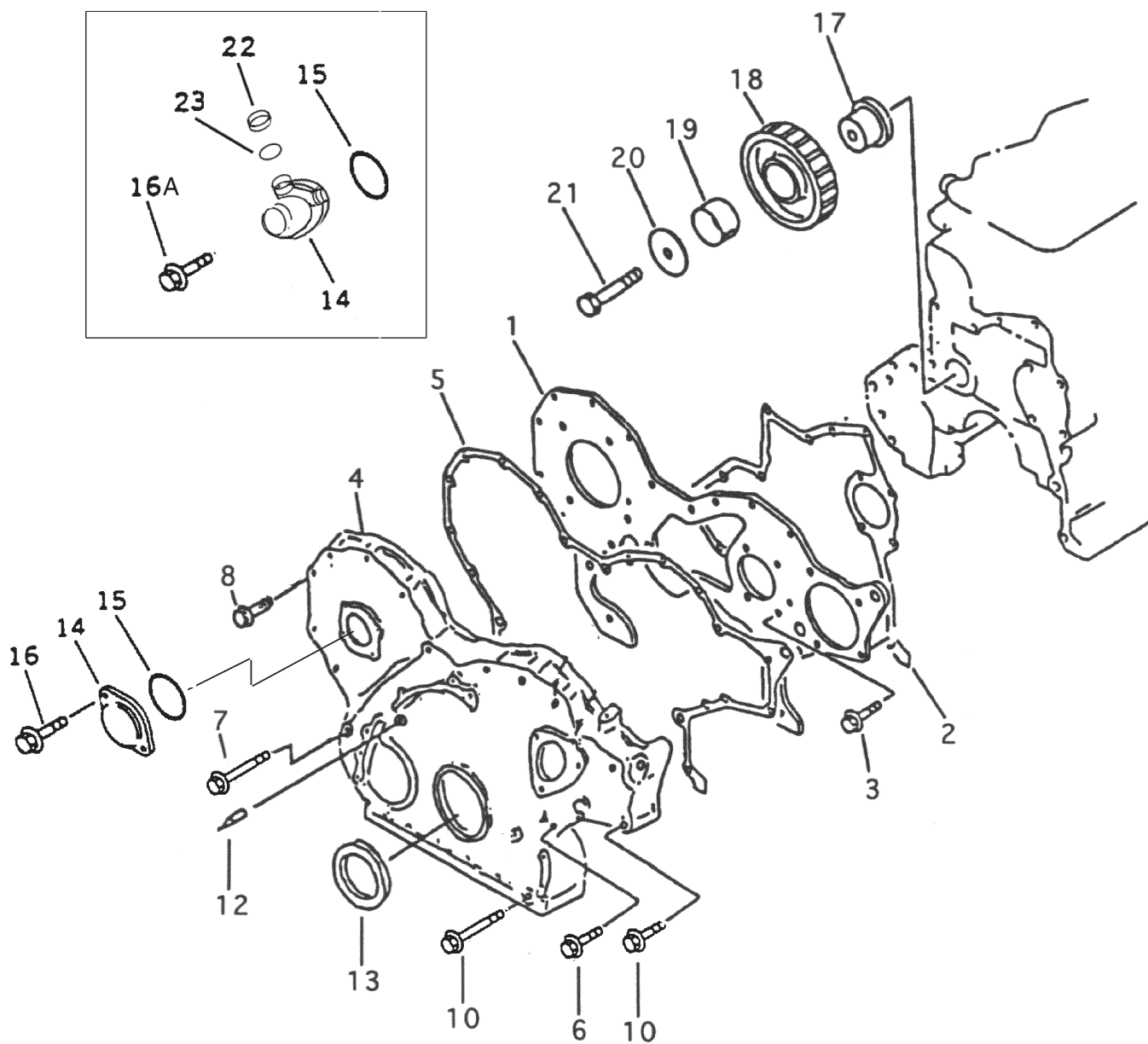


Figure 0205B

Timing Cover L-M 6108

With Accessory Drive

KEY	PART NUMBER	QTY	DESCRIPTION	KOMATSU S/N
1	6222-21-3221	1	Cover Backing Plate	From 12825 - 
2	6221-21-3820	1	Gasket (Formerly #6221-21-3890)	
3	01435-00820	4	Capscrew, Hex Head Flanged M8 x 1.25 x 20 mm, Grade 10.9	
4	6222-25-3110	1	Timing Cover	
5	6221-21-3811	1	Gasket (Formerly #6221-21-3810)	
6	01435-00880	2	Capscrew, Hex Head Flanged M8 x 1.25 x 80 mm, Grade 10.9	
7	01436-00800	3	Capscrew, Hex Head Flanged M8 x 1.25 x 100 mm, Grade 10.9	
8	01435-00855	6	Capscrew, Hex Head Flanged M8 x 1.25 x 55 mm, Grade 10.9	
10	01435-00890	9	Capscrew, Hex Head Flanged M8 x 1.25 x 90 mm, Grade 10.9	
12	6221-21-3910	1	Pin	
13	6136-22-3510	1	Front Seal (Formerly #6136-21-3510)	
14	6144-81-5151	1	Cover	
	6142-82-5112	1	Tachometer Drive	
15	07000-03050	1	O-Ring	
16	01435-00612	2	Capscrew, Hex Head Flanged M6 x 1.0 x 12 mm, Grade 10.9	
16A	01435-00616	2	Capscrew, Hex Head Flanged M6 x 1.0 x 16 mm, Grade 10.9	
17	6221-21-2410	1	Idler Shaft	
18	6221-31-6300	1	Idler Gear Assembly (includes keys #19)	
19	6221-31-6340	1	Bushing	
20	6221-21-2420	1	Washer	
21	01010-61480	1	Capscrew, Hex Head M14 x 2.0 x 80 mm	
22	6130-82-5260	1	Cap	
23	6130-82-5270	1	Gasket	

Accessory Drive Assembly L-M6108

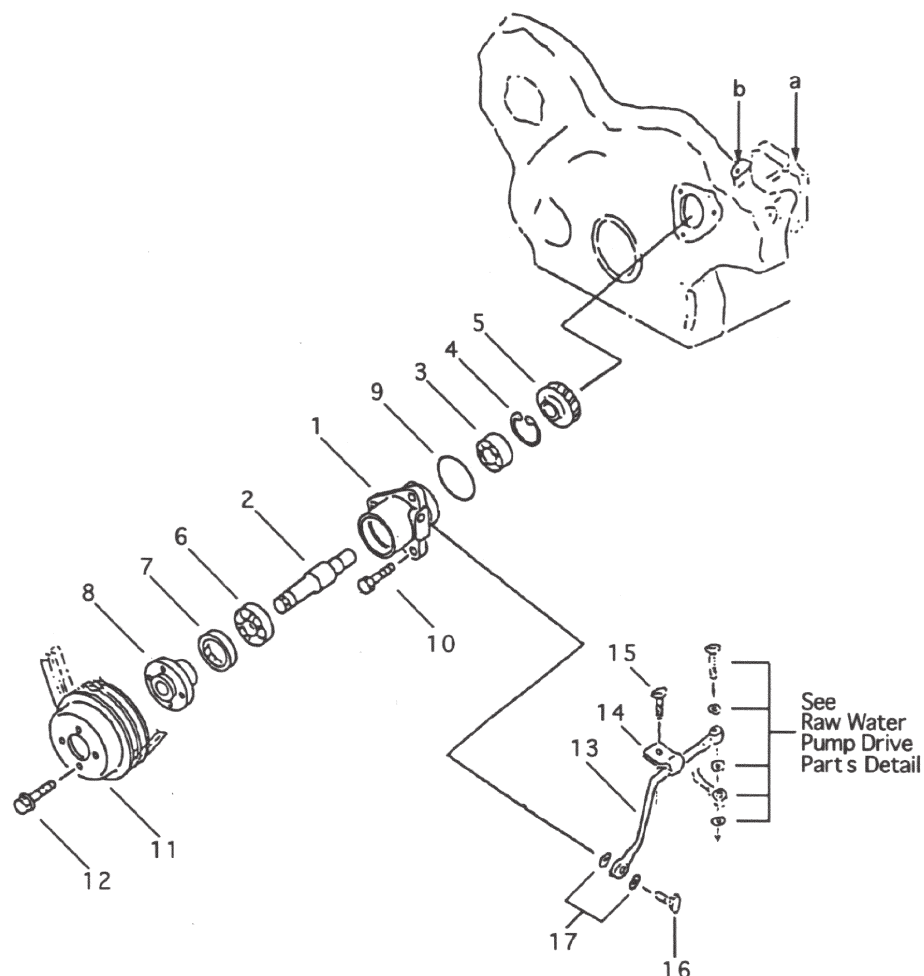


Figure 0208A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6222-25-3401	1	Accessory Drive Assembly (includes keys 1 - 9)	-
1	6222-25-3411	1	Housing	-
2	6150-25-3422	1	Shaft	-
3	06030-05204	1	Bearing	-
4	04065-04718	1	Snap Ring	-
5	6222-25-3450	1	Gear (23 Teeth)	-
6	06030-06304	1	Bearing	-
7	07012-00035	1	Oil Seal	-
8	6222-25-3441	1	Hub	-
9	07000-72060	1	O-Ring	-
10	01435-01035	3	Capscrew Hex Head Flanged M10 x 1.5 x 35 mm, Grade 10.9	-
11	6222-25-3430	1	Pulley	-
12	01435-00816	4	Capscrew Hex Head Flanged M8 x 1.25 x 16 mm, Grade 10.9	-
13	6222-25-9330	1	Tube, Oil Supply	-
14	04434-50608	1	Clamp	-
15	01435-00816	1	Capscrew Hex Head Flanged M8 x 1.25 x 16 mm, Grade 10.9	-
16	07206-30710	1	Banjo Bolt	-
17	07005-01012	2	Sealing Washer	-

Camshaft L-M 6108

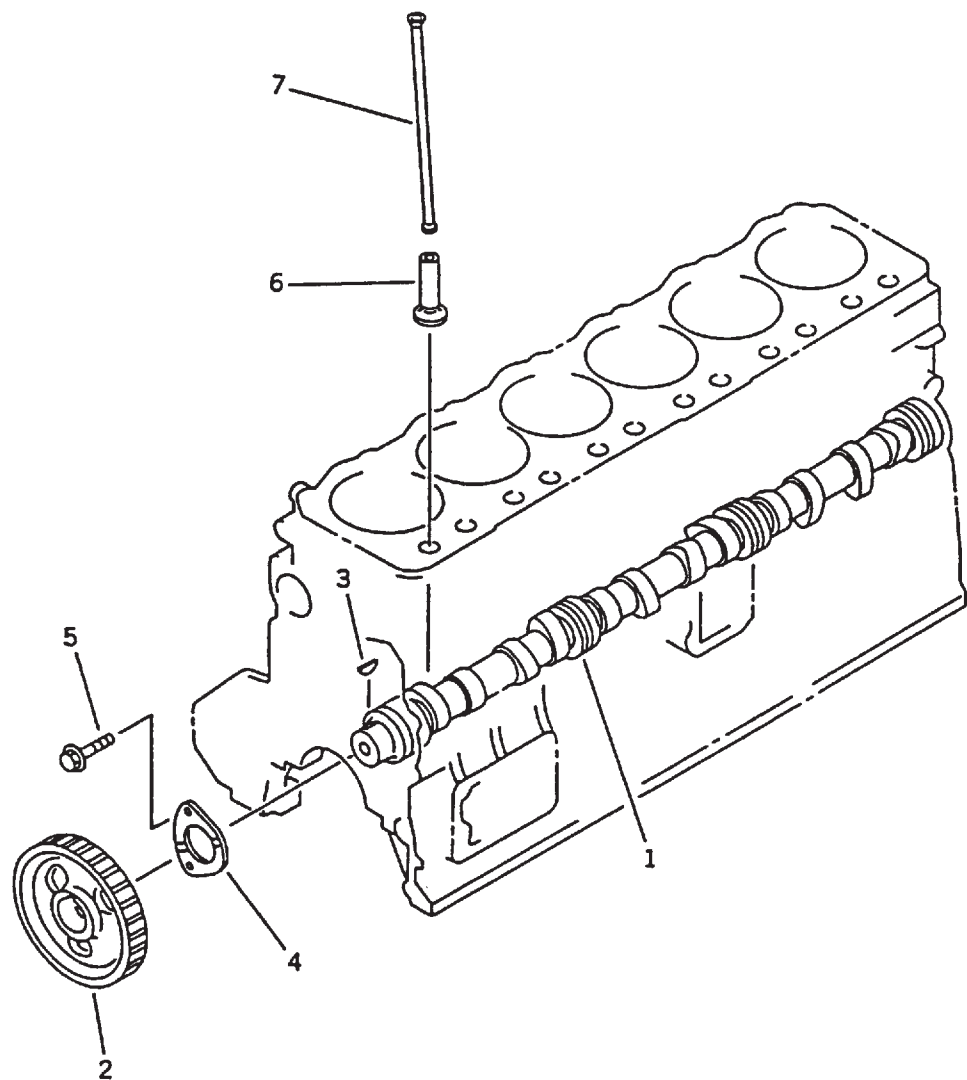


Figure 0241

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6221-41-1100	1	Camshaft Assembly (includes keys #1 - #4)	-
1	6221-41-1110	1	Camshaft	-
2	6221-41-1120	1	Gear	-
3	04010-00516	1	Key	-
4	6204-41-1131	1	Thrust Plate	-
5	01435-00820	2	Bolt	-
6	6221-41-2110	12	Tappet	-
7	6221-41-3110	12	Push Rod	-

Oil Filter & Mounting L-M6108

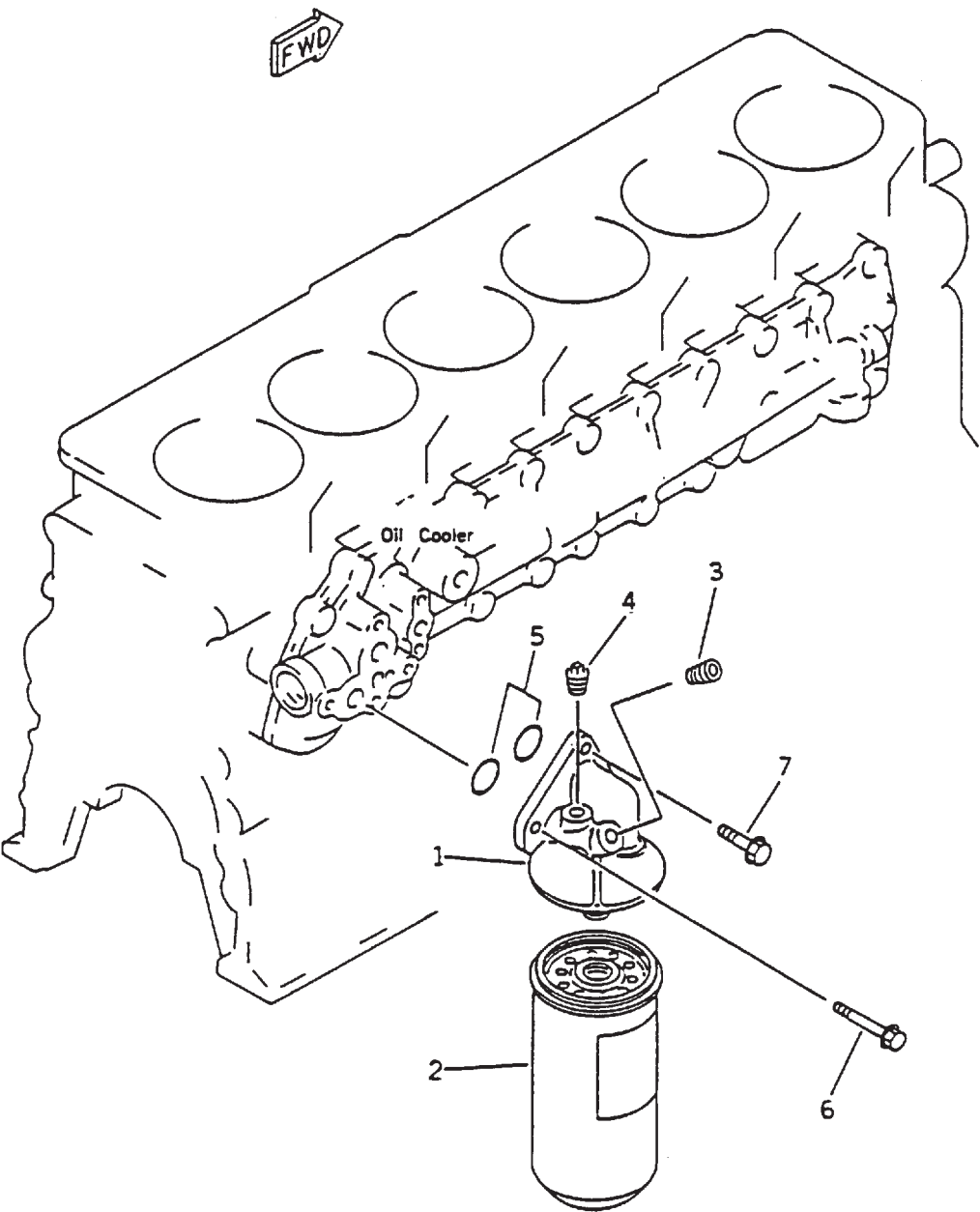


Figure 0311

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6136-51-5102	1	Oil Filter Assembly (includes keys 1 - 3)	-
1	6136-51-5111	1	Bracket	-
2	24-05701	1	Oil Filter	-
3	07043-00108	**	Plug	-
4	07042-70108	**	Plug	-
5	07000-73028	2	O-Ring	-
6	01435-00885	1	Capscrew, Hex Head Flanged M8 x 1.25 x 85 mm, Grade 10.9	-
7	01435-01030	2	Capscrew, Hex Head Flanged M10 x 1.5 x 30 mm, Grade 10.9	-
**As required				

Oil Pan L-M 6108

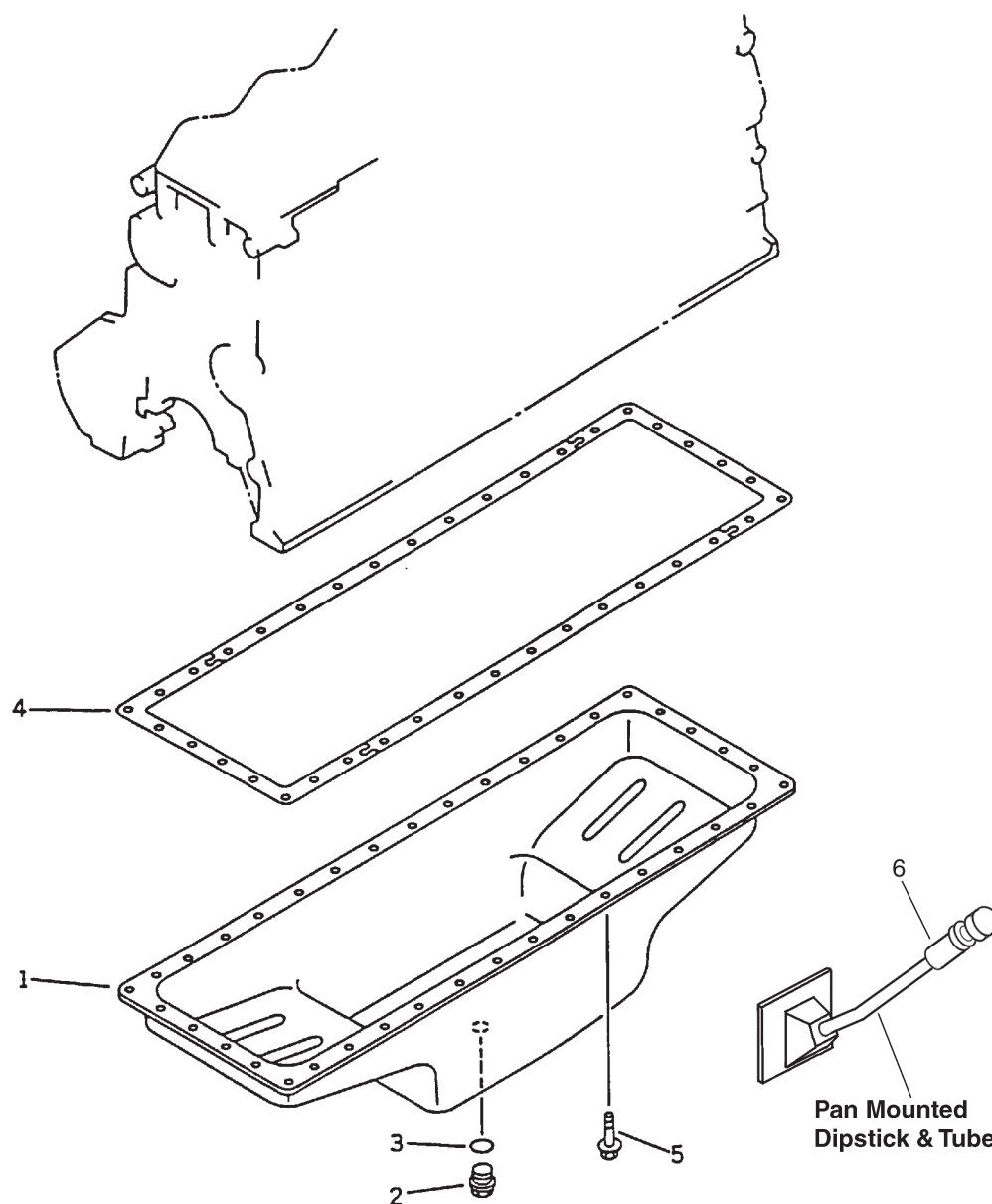
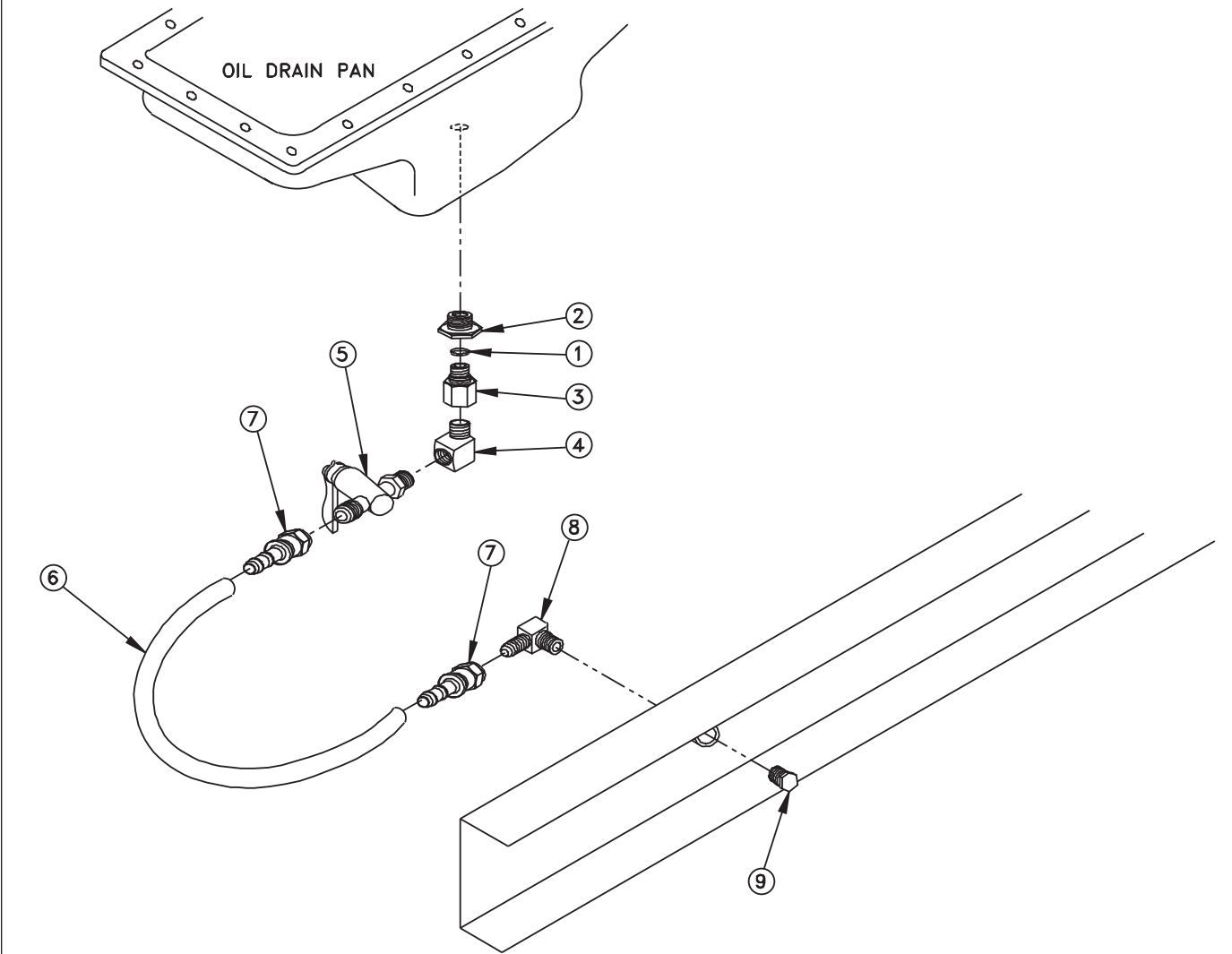


Figure 0211

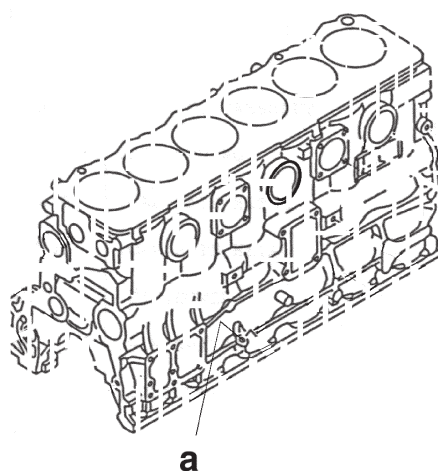
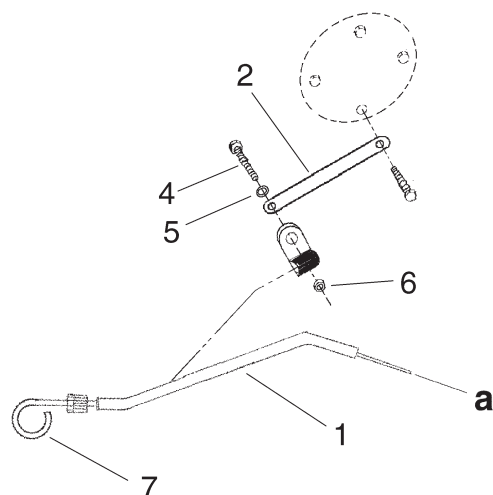
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	36-75703	1	Oil Pan with Right Side Dipstick Tube	-
1	6136-21-5230	1	Oil Pan	-
2	36-75702	1	Bushing, M24 x 1.5 x 3/8 O-Ring Port	-
3	07000-13022	1	O-Ring (Can use 16-15004, formerly #07000-03022)	-
4	6136-21-5821	1	Gasket	-
5	01435-00816	38	Capscrew, Hex Head Flanged M8 x 1.25 x 16 mm, Grade 10.9	-
6	36-75716	1	Dipstick, 0 Degree Down Angle	-
	36-75723	1	Dipstick, 3 Degree Down Angle	-
	36-75722	1	Dipstick, 5 Degree Down Angle	-
	36-75726	1	Dipstick, 7 Degree Down Angle	-
	36-75724	1	Dipstick, 10 Degree Down Angle	-

Oil Drain M-NL 6108



A-5870/ B-6498

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
• •	36-75710	1	Oil Drain (includes all keys)	-
1	07000-03022	1	O-Ring	-
2	36-75702	1	Bushing, Stl. M24 x 1.5 x 3/8 OR Port	-
3	21-50001	1	Adapter, Stl. 3/8 NPT x 3/8 OR Port	-
4	21-51097	1	Elbow, 90 Degrees 3/8 NPT x 3/8 NPT	-
5	36-71002	1	Valve, Shut-Off, 3/8 NPT x 1/2-45T	-
6	18-71035	1	Hose, 1/2"ID x 18"	-
7	21-71042	1	Female Swivel Brass, 1/2 HB x 1/2-45T	-
8	21-01016	1	Male Elbow, 90 Degrees Brass, 1/2 NPT x 1/2-45T	-
9	21-10005	1	Plug, Hex Head, Stl. 1/2 NPT	-

Dipstick L/M 6108*Heat Exchanged Units*

6108dipstick

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	36-75706	1	Dipstick/ Tube Assembly	-
1	27-75703	1	Tube	-
2	23-75703	1	Bracket, Tube Support	-
3	19-53200	1	Adelle Clamp .50" I.D.	-
4	12-01131	1	Cap Screw, Hex Head M6 x 1.0 x 20 mm	-
5	15-00008	2	Flat Washer, M6	-
6	14-04803	1	Hex Nut, Nylock M6 x 1.0	-
7	36-75717	1	Dipstick Only	-

Oil Pump & Suction Pick-up L-M6108T-A-AQ

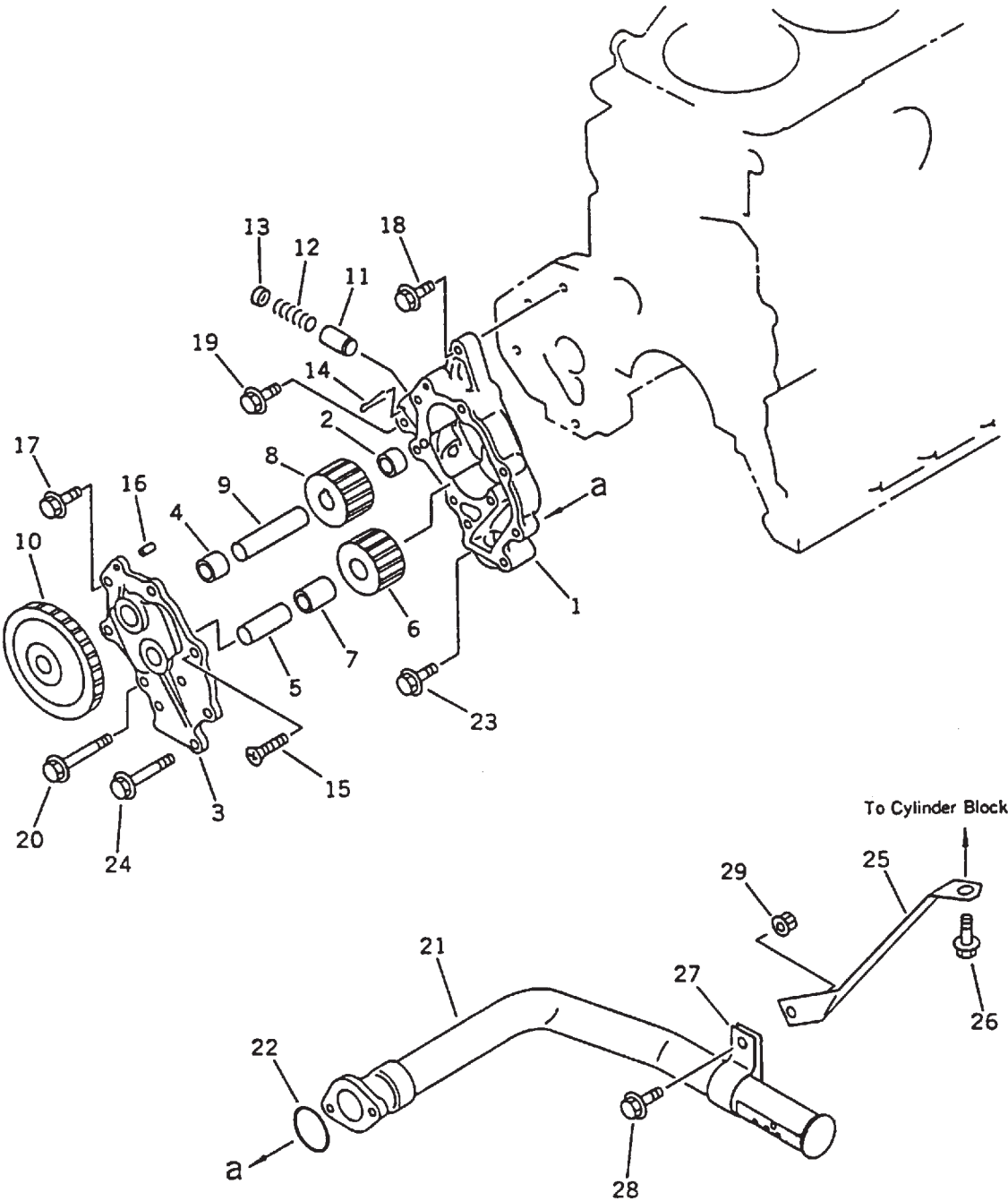


Figure 0301

Oil Pump & Suction Pick-up L-M6108T-A-AQ

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6221-51-1100	1	Oil Pump Assembly (includes keys #1 - #17)	-
1	6222-55-1200	1	Body Assembly (includes key #2)	-
2	6136-52-1220	1	Bushing	-
3	6221-51-1300	1	Cover Assembly (includes keys #4 - #5)	-
4	6136-52-1330	1	Bushing	-
5	6136-52-1320	1	Shaft	-
••	6136-52-1400	1	Gear Assembly (includes keys #6 - #7)	-
6	6136-52-1410	1	Gear	-
7	6136-52-1420	1	Bushing	-
••	6221-51-1500	1	Shaft Sub-Assembly (includes keys #8 - #9)	-
8	6136-52-1510	1	Gear	-
9	6221-51-1520	1	Shaft	-
10	6221-51-1610	1	Gear	-
11	6222-55-1640	1	Valve	-
12	6222-55-1650	1	Spring	-
13	6222-55-1660	1	Retainer	-
14	04050-14035	1	Cotter Pin	-
15	01236-40820	1	Screw	-
16	6136-52-1620	1	Pin	-
17	01435-00820	6	Capscrew, Hex Head, Flanged M8 x 1.25 x 20 mm (Grade 10.9)	-
18	01435-00825	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 25 mm (Grade 10.9)	-
19	01435-00840	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 40 mm (Grade 10.9)	-
20	01435-00855	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 55 mm (Grade 10.9)	-
21	6221-51-6210	1	Oil Suction Pick-up	-
22	07000-73035	1	O-Ring	-
23	01435-00820	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 20 mm (Grade 10.9)	-
24	01435-00850	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 50 mm (Grade 10.9)	-
25	6221-51-6110	1	Bracket	-
26	01435-01020	1	Capscrew, Hex Head, Flanged M10 x 1.5 x 20 mm (Grade 10.9)	-
27	6136-51-6230	1	Clamp	-
28	01435-00820	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 20 mm (Grade 10.9)	-
29	01584-00806	1	Nut	-

Oil Pump & Suction Pick-up L-M6108T2-A2

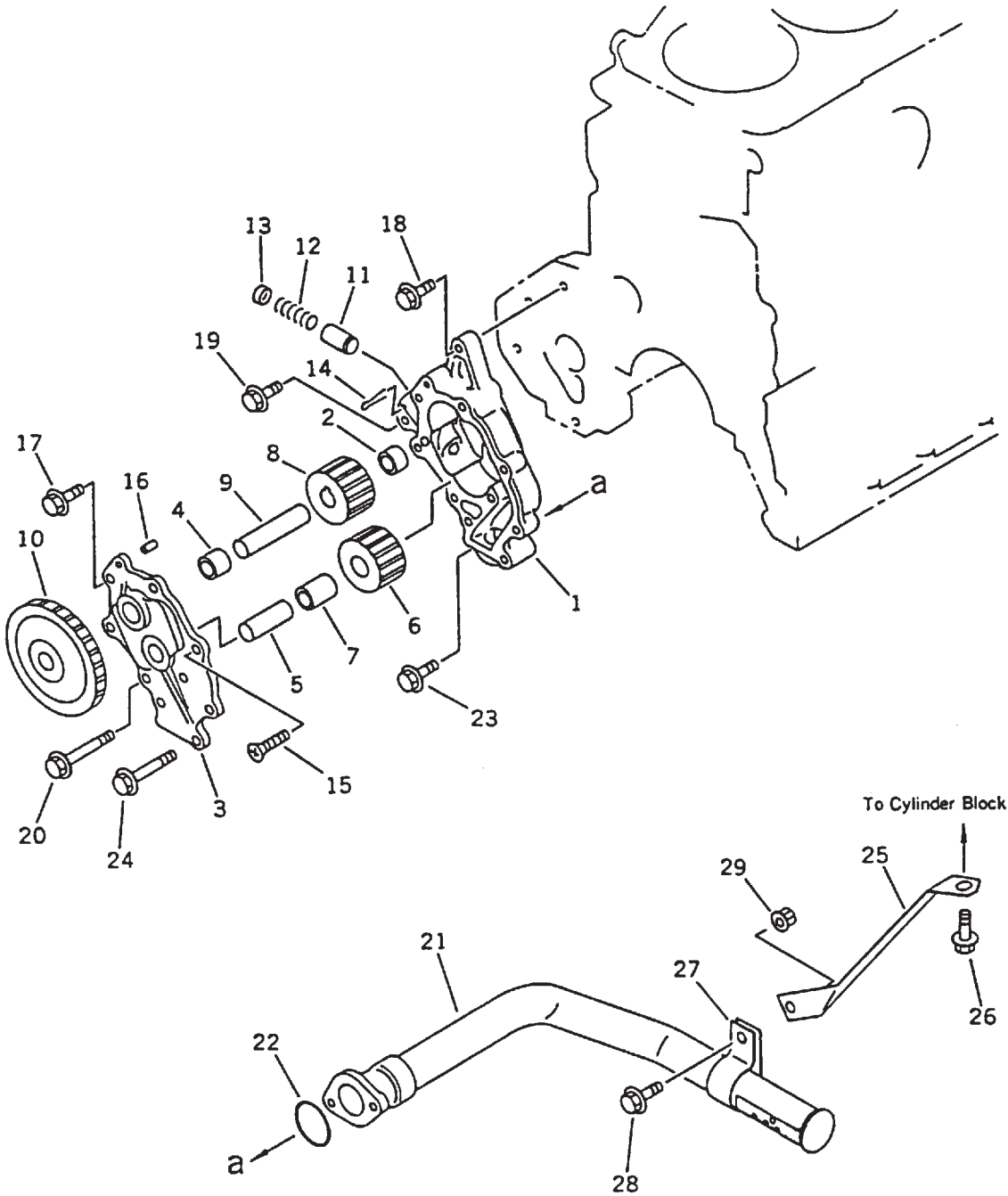


Figure 0301

Oil Pump & Suction Pick-up L-M6108T2-A2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6222-55-1100	1	Oil Pump Assembly (includes keys #1 - #17)	-
1	6221-55-1200	1	Body Assembly (includes key #2)	-
2	6136-52-1220	1	Bushing	-
3	6221-51-1300	1	Cover Assembly (includes keys #4 - #5)	-
4	6136-52-1330	1	Bushing	-
5	6136-52-1320	1	Shaft	-
••	6136-52-1400	1	Gear Assembly (includes keys #6 - #7)	-
6	6136-52-1410	1	Gear	-
7	6136-52-1420	1	Bushing	-
••	6221-51-1500	1	Shaft Sub-Assembly (includes keys #8 - #9)	-
8	6136-52-1510	1	Gear	-
9	6221-51-1520	1	Shaft	-
10	6221-51-1610	1	Gear	-
11	6222-55-1640	1	Valve	-
12	6222-55-1650	1	Spring	-
13	6222-55-1660	1	Retainer	-
14	04050-14035	1	Cotter Pin	-
15	01236-40820	1	Screw	-
16	6136-52-1620	1	Pin	-
17	01435-00820	6	Capscrew, Hex Head, Flanged M8 x 1.25 x 20 mm (Grade 10.9)	-
18	01435-00825	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 25 mm (Grade 10.9)	-
19	01435-00840	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 40 mm (Grade 10.9)	-
20	01435-00855	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 55 mm (Grade 10.9)	-
21	6221-51-6210	1	Oil Suction Pick-up	-
22	07000-73035	1	O-Ring	-
23	01435-00820	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 20 mm (Grade 10.9)	-
24	01435-00850	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 50 mm (Grade 10.9)	-
25	6221-51-6110	1	Bracket	-
26	01435-01020	1	Capscrew, Hex Head, Flanged M10 x 1.5 x 20 mm (Grade 10.9)	-
27	6136-51-6230	1	Clamp	-
28	01435-00820	1	Capscrew, Hex Head, Flanged M8 x 1.25 x 20 mm (Grade 10.9)	-
29	01584-00806	1	Nut	-

Cylinder Head & Valve Train L-M6108T-A-QA

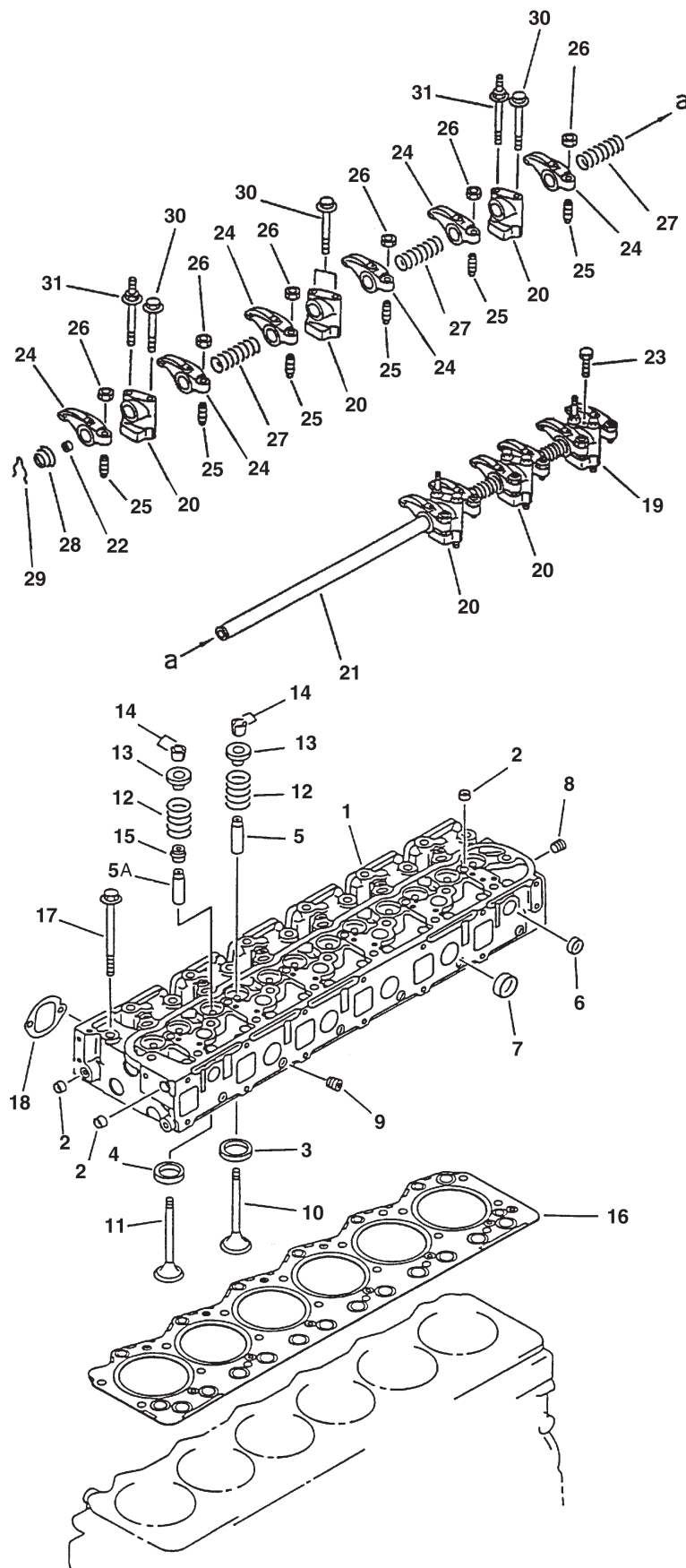


Figure 0101& 0111

Cylinder Head & Valve Train L-M6108T-A-QA

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6221-11-1102	1	Cylinder Head Assembly (former #6221-11-1100, includes keys #2 -#9)	-
2	07046-41810	8	Plug	-
3	6221-13-1360	6	Intake Valve Seat -Std.	-
	6221-19-1360	6	Intake Valve Seat, oversize 0.25 mm	-
	6221-18-1360	6	Intake Valve Seat, oversize 0.50 mm	-
	6221-17-1360	6	Intake Valve Seat, oversize 0.75 mm	-
	6221-16-1360	6	Intake Valve Seat, oversize 1.00 mm	-
4	6221-11-1320	6	Exhaust Valve Seat - Std.	-
	6221-19-1320	6	Exhaust Valve Seat, oversize 0.25 mm	-
	6221-18-1320	6	Exhaust Valve Seat, oversize 0.50 mm	-
	6221-17-1320	6	Exhaust Valve Seat, oversize 0.75 mm	-
	6221-16-1320	6	Exhaust Valve Seat, oversize 1.00 mm	-
5	6221-19-1311	6	Intake Valve Guide	-
5A	6221-19-1340	6	Exhaust Valve Guide	-
6	07046-42816	17	Plug	-
7	07046-44016	4	Plug	-
8	07043-70108	1	Plug	-
9	07043-70108	6	Plug	-
10	6221-41-4110	6	Intake Valve	-
11	6221-41-4211	6	Exhaust Valve	-
12	6221-41-4410	12	Spring Valve	-
13	6221-41-4510	12	Spring Retainer	-
14	6136-42-4520	24	Valve Keeper	-
15	6140-41-4540	6	Exhaust Valve Guide Seal	-
16	6221-17-1810	1	Head Gasket, (formerly #6221-11-1811)	-
17	6221-11-1610	26	Head Bolt	-
18	6221-11-6820	1	Gasket	-
••	6221-41-5101	1	Rocker Arm Assembly (includes keys #19 - 29)	-
19	6221-41-5120	1	Rocker Arm Stand	-
20	6221-41-5110	5	Rocker Arm Stand	-
21	6221-41-5201	1	Shaft Assembly (includes key 22)	-
22	6221-41-5540	2	Plug	-
23	6221-41-5310	1	Bolt	-
24	6221-41-5510	12	Rocker Arm	-
25	6221-41-5410	12	Adjusting Screw	-
26	6221-41-5420	12	Nut	-
27	6221-41-5550	5	Spring	-
28	6221-41-5520	2	Spring	-
29	6136-41-5330	2	Clip	-
30	01435-00875	8	Capscrew, Hex Head Flanged, M8 x 1.25 x 75 mm (Grade 10.9)	-
31	6221-41-5130	4	Bolt	-

Cylinder Head & Valve Train L-M6108T2-A2

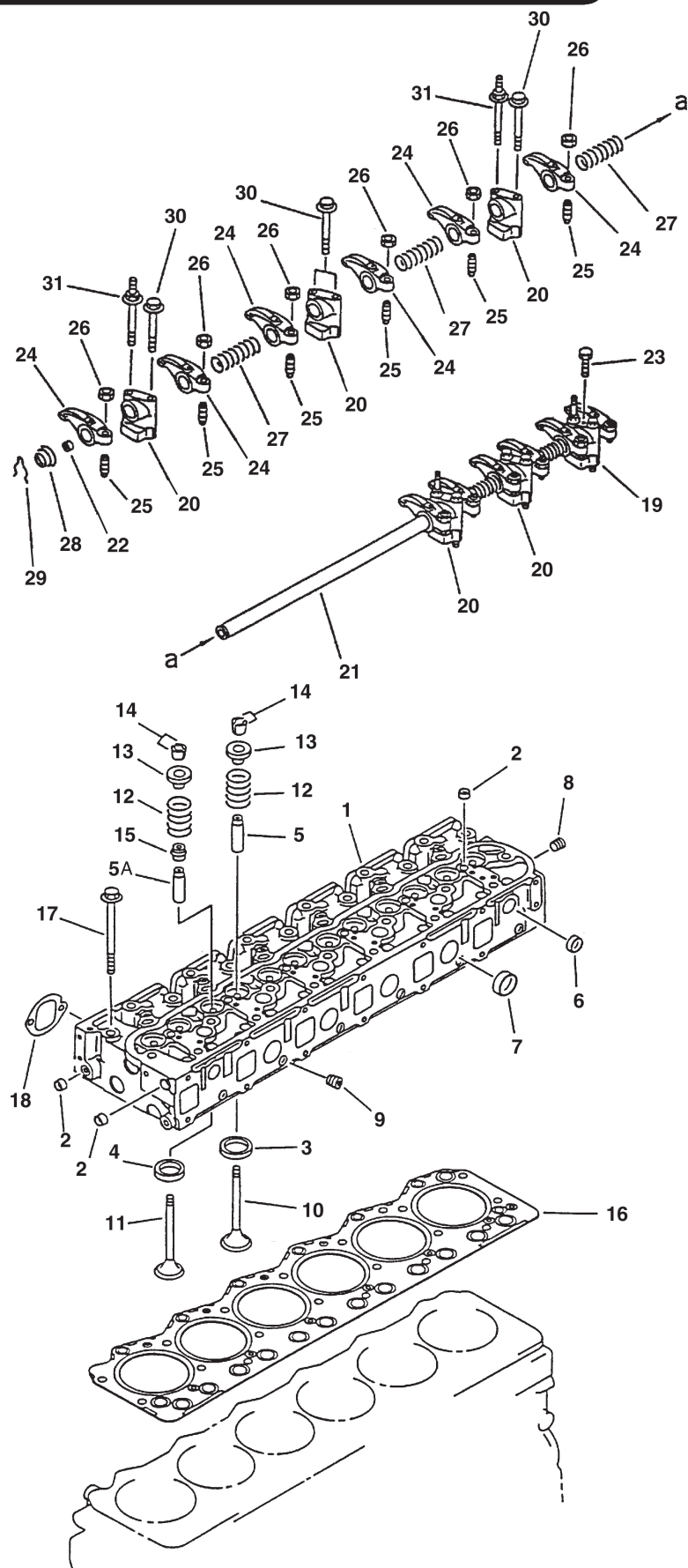
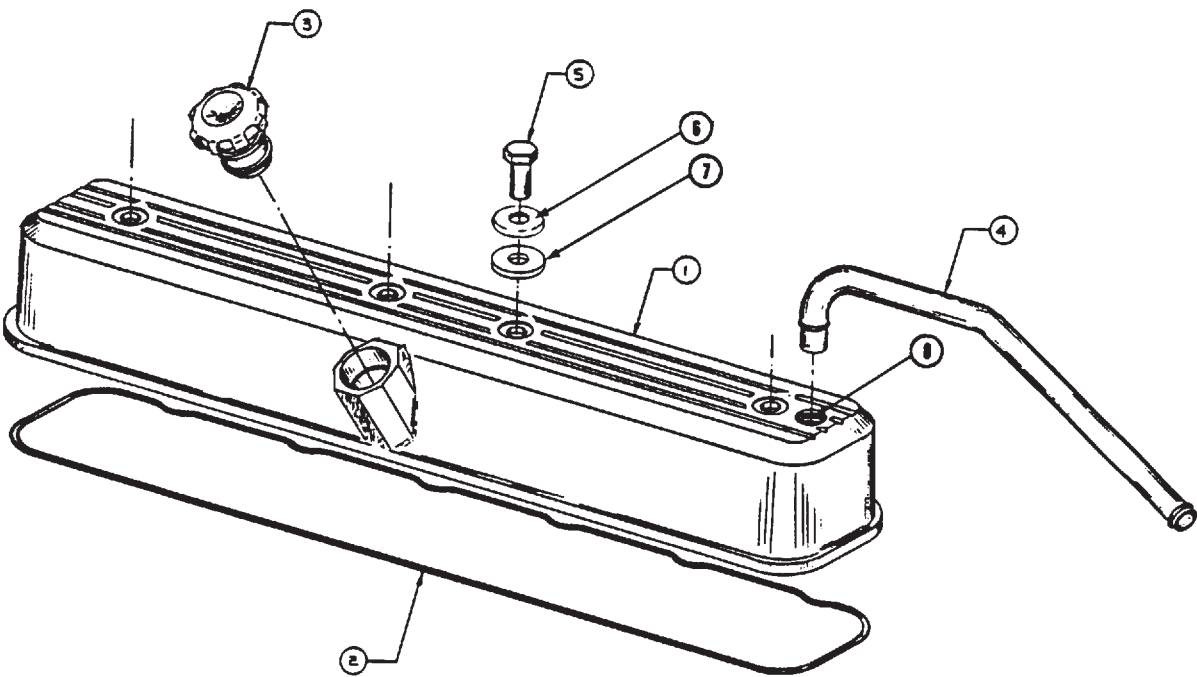


Figure 0101& 0111

Cylinder Head & Valve Train L-M6108T2-A2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6222-15-1100	1	Cylinder Head Assembly	-
2	07046-41810	8	Plug	-
3	6221-13-1360	6	Intake Valve Seat -Std.	-
	6221-19-1360	6	Intake Valve Seat, oversize 0.25 mm	-
	6221-18-1360	6	Intake Valve Seat, oversize 0.50 mm	-
	6221-17-1360	6	Intake Valve Seat, oversize 0.75 mm	-
	6221-16-1360	6	Intake Valve Seat, oversize 1.00 mm	-
4	6221-11-1320	6	Exhaust Valve Seat - Std.	-
	6221-19-1320	6	Exhaust Valve Seat, oversize 0.25 mm	-
	6221-18-1320	6	Exhaust Valve Seat, oversize 0.50 mm	-
	6221-17-1320	6	Exhaust Valve Seat, oversize 0.75 mm	-
	6221-16-1320	6	Exhaust Valve Seat, oversize 1.00 mm	-
5	6221-19-1311	12	Valve Guide	-
6	07046-42816	17	Plug	-
7	07046-44016	4	Plug	-
8	07043-70108	1	Plug	-
9	07043-70108	6	Plug	-
10	6221-41-4110	6	Intake Valve	-
11	6221-41-4220	6	Exhaust Valve	-
12	6221-41-4410	12	Spring Valve	-
13	6221-41-4510	12	Spring Retainer	-
14	6136-42-4520	24	Valve Keeper	-
15	6140-41-4540	6	Exhaust Valve Guide Seal	-
16	6221-17-1810	1	Head Gasket	-
17	6221-11-1610	26	Head Bolt	-
18	6221-11-6820	1	Gasket	-
••	6221-41-5101	1	Rocker Arm Assembly (includes keys #19 - 29)	-
19	6221-41-5120	1	Rocker Arm Stand	-
20	6221-41-5110	5	Rocker Arm Stand	-
21	6221-41-5201	1	Shaft Assembly (includes key 22)	-
22	6221-41-5540	2	Plug	-
23	6221-41-5310	1	Bolt	-
24	6221-41-5510	12	Rocker Arm	-
25	6221-41-5410	12	Adjusting Screw	-
26	6221-41-5420	12	Nut	-
27	6221-41-5550	5	Spring	-
28	6221-41-5520	2	Spring	-
29	6136-41-5330	2	Clip	-
30	01435-00875	8	Capscrew, Hex Head Flanged, M8 x 1.25 x 75 mm (Grade 10.9)	-
31	6221-41-5130	4	Bolt	-

Rocker Arm Cover L-M6108



A-5244 / C-2629

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-75700	1	Rocker Arm Cover	-
2	6136-11-8814	1	Gasket	-
3	6130-12-8610	1	Oil Filler Cap	-
4		1	Crank Case Vent Tube - Lugger (see Air Filter Parts Detail)	-
5	14-75700	4	Blind Hex Nut, M8 x 1.25 x 35	-
6	6136-11-8130	4	Washer	-
7	6136-11-8142	4	Packing	-
8	16-15704	1	O-Ring	-

Rocker Arm Cover LC6108

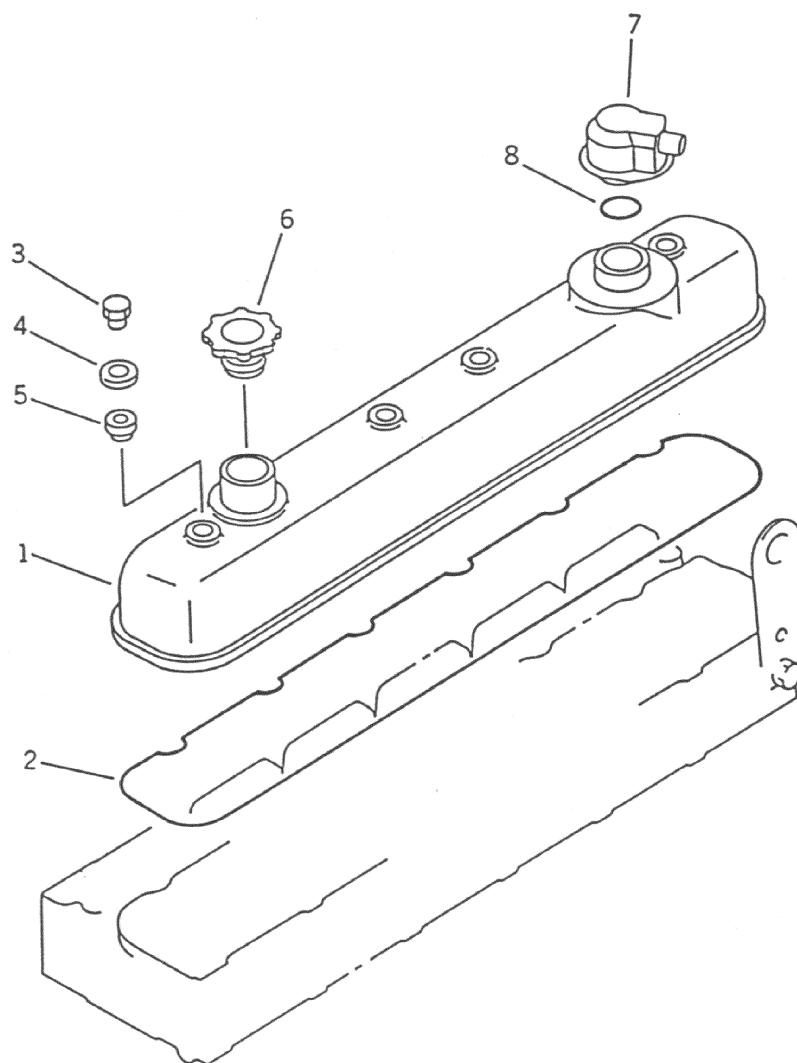


Figure 0115

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6136-11-8112	1	Rocker Arm Cover	-
2	6136-11-8814	1	O-ring	-
3	6136-11-8120	4	Blind Hex Nut, M8 x 1.25 x 10 mm	-
4	6136-11-8130	4	Washer	-
5	6136-11-8142	4	Packing	-
6	6130-12-8610	1	Cap	-
7	6150-21-6750	1	Breather	-
8	6114-21-5190	1	O-ring	-

Lower Intake Manifold & Aftercooler L-M6108

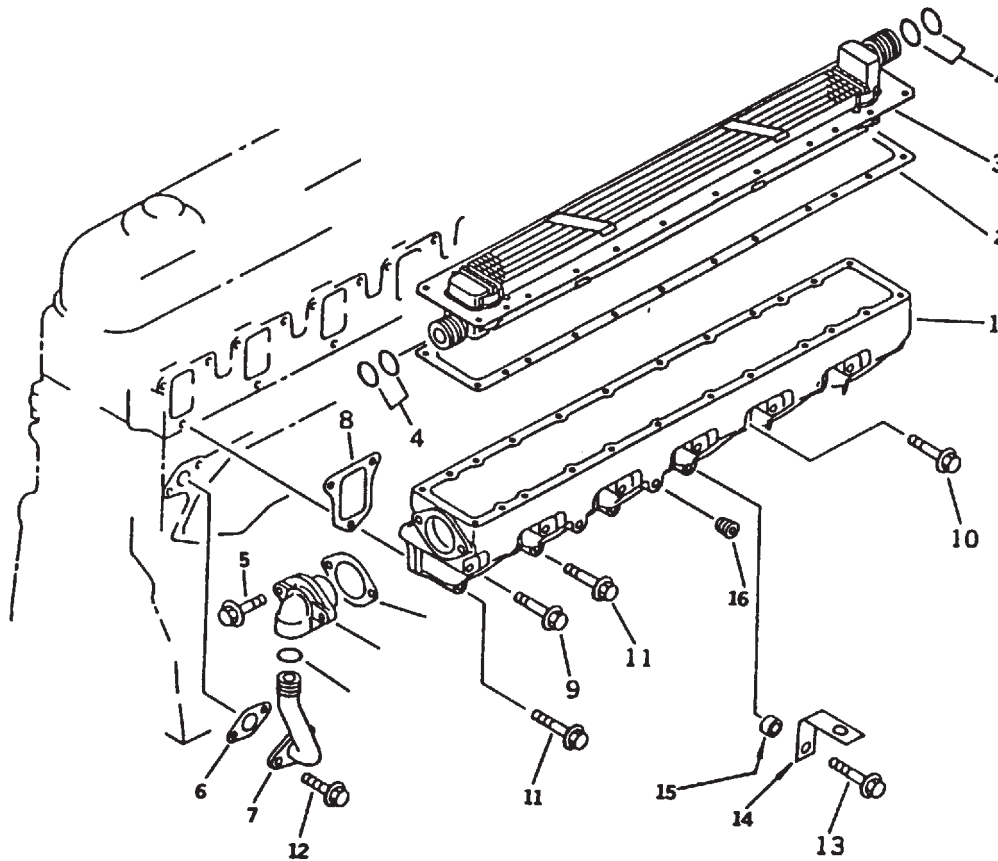
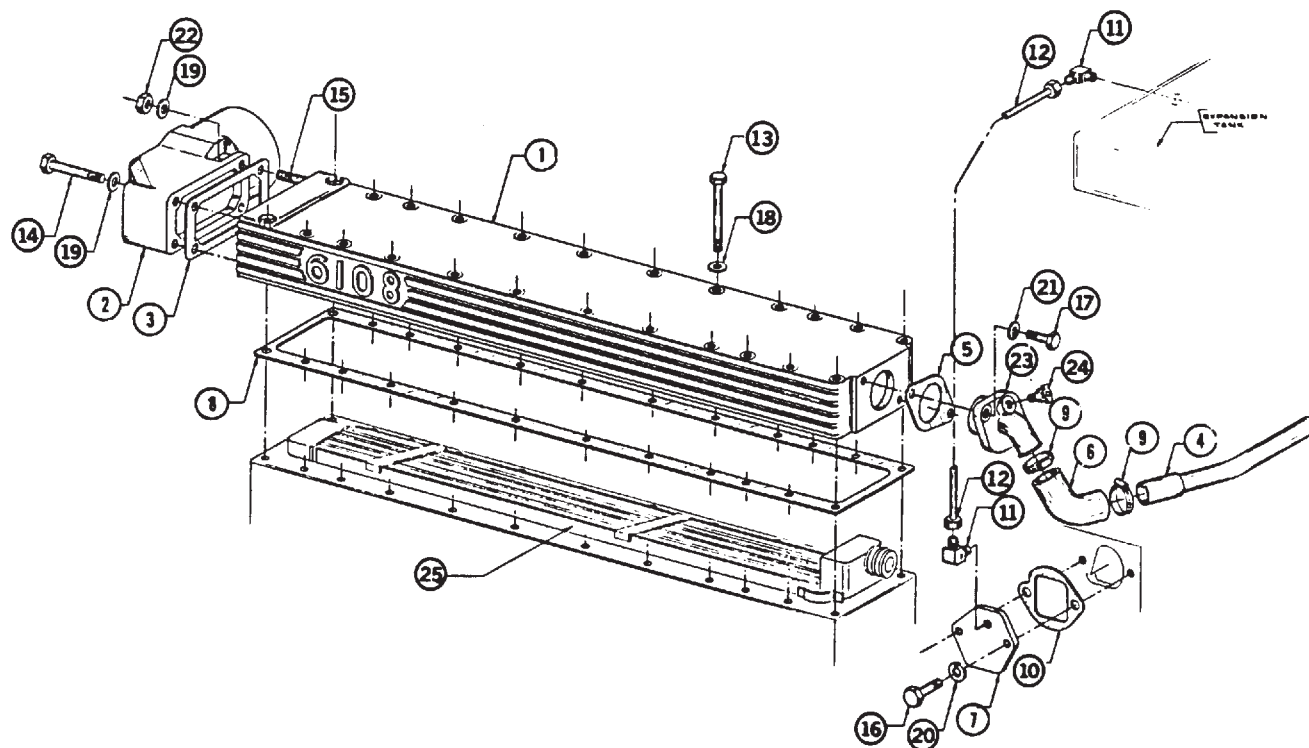


Figure 0131

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6222-11-4110	1	Intake Manifold, Lower Half	-
2	6222-15-4710	1	Gasket (formerly #6222-11-4710)	-
3	6222-61-6111	1	Aftercooler Element	-
4	6222-61-6240	4	O-Ring	-
5	01435-20830	2	Capscrew, Hex Head Flanged, M8 x 1.25 x 30 mm	-
6	6138-61-6461	1	Gasket	-
7	6222-61-6420	1	Tube	-
8	6221-11-4890	6	Gasket	-
9	6222-11-4910	11	Capscrew, Hex Head Flanged, M8 x 1.25 x 125 mm (Grade 10.9)	-
10	6222-11-4920	1	Bolt	-
11	01435-00875	5	Capscrew, Hex Head Flanged, M8 x 1.25 x 75 mm (Grade 10.9)	-
12	01435-20820	2	Capscrew, Hex Head Flanged, M8 x 1.25 x 20 mm	-
13	01435-00890	1	Capscrew, Hex Head Flanged, M8 x 1.25 x 90 mm (Grade 10.9)	-
14	6221-71-5980	1	Bracket	-
15	6131-71-5760	1	Spacer	-
16	07043-70108	2	Plug	-
17	6222-61-6480	1	O-Ring	-
18	6222-61-6410	1	Connector	-
19	6222-11-6880	2	Gasket	-

Intake Manifold - Upper Half L-M6108

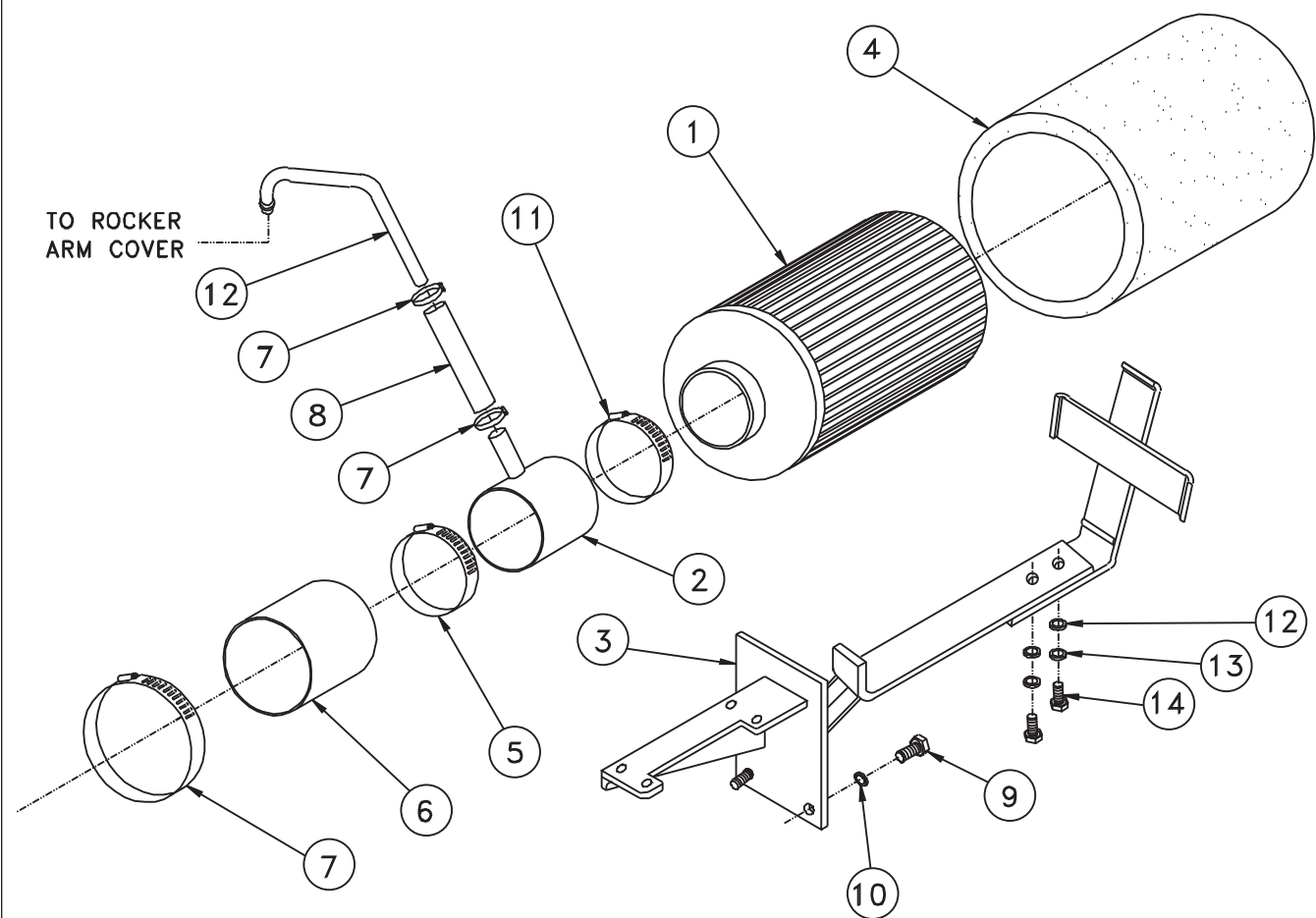


A-5207 / D-2184

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-25703	1	Aftercooler Cover	-
2		1	Air Inlet Connector (see applicable Turbocharger Assembly)	-
3	11-25701	1	Gasket	-
4	27-15705	1	Tube, Aftercooler Outlet	-
5	6222-11-6810	1	Gasket	-
6	145536340	1	Hose	-
7	28-15701	1	Plate (Early Production - use 00-75721 & 27-15721)	-
	00-75721	1	Plate (Late Production)	-
8	6222-15-4710	1	Gasket (formerly #6222-11-4710)	-
	11-25702	1	Gasket	-
9	19-00016	2	Hose Clamp #16	-
10	6221-11-6890	1	Gasket	-
11	21-71049	2	Male Elbow, 90° Steel 1/4 NPT x 1/4-37T	-
12	27-15707	1	Tube Assembly (Early Production - use 27-15721 & 00-75721)	-
	27-15721	1	Tube Assembly (Late Production)	-
13	12-00710	24	Capscrew, Hex Head M8 x 1.25 x 90mm	-
14	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70mm	-
15	01140-61025	2	Stud, M10 x 1.25 x 25 mm (32 mm LOA) *	-
16	12-00831	2	Capscrew, Hex Head M10 x 1.5 x 25mm	-
17	12-00753	2	Capscrew, Hex Head M8 x 1.25 x 30mm	-
18	15-00701	24	Flat Washer, M8	-
19	15-00805	4	Flat Washer, M10	-
20	15-00802	2	Lock Washer, Helical M10	-
21	15-00702	2	Lock Washer, Helical M8	-
22	14-00816	2	Hex Nut M10 x 1.25 *	-
23	6222-61-6460	1	Connector	-
24	07062-00000	1	Drain Cock 1/8 NPT	-
25	6222-61-6111	1	Aftercooler Element	-

* Former stud #15 & nut #22 replaced by items listed. Replace together.

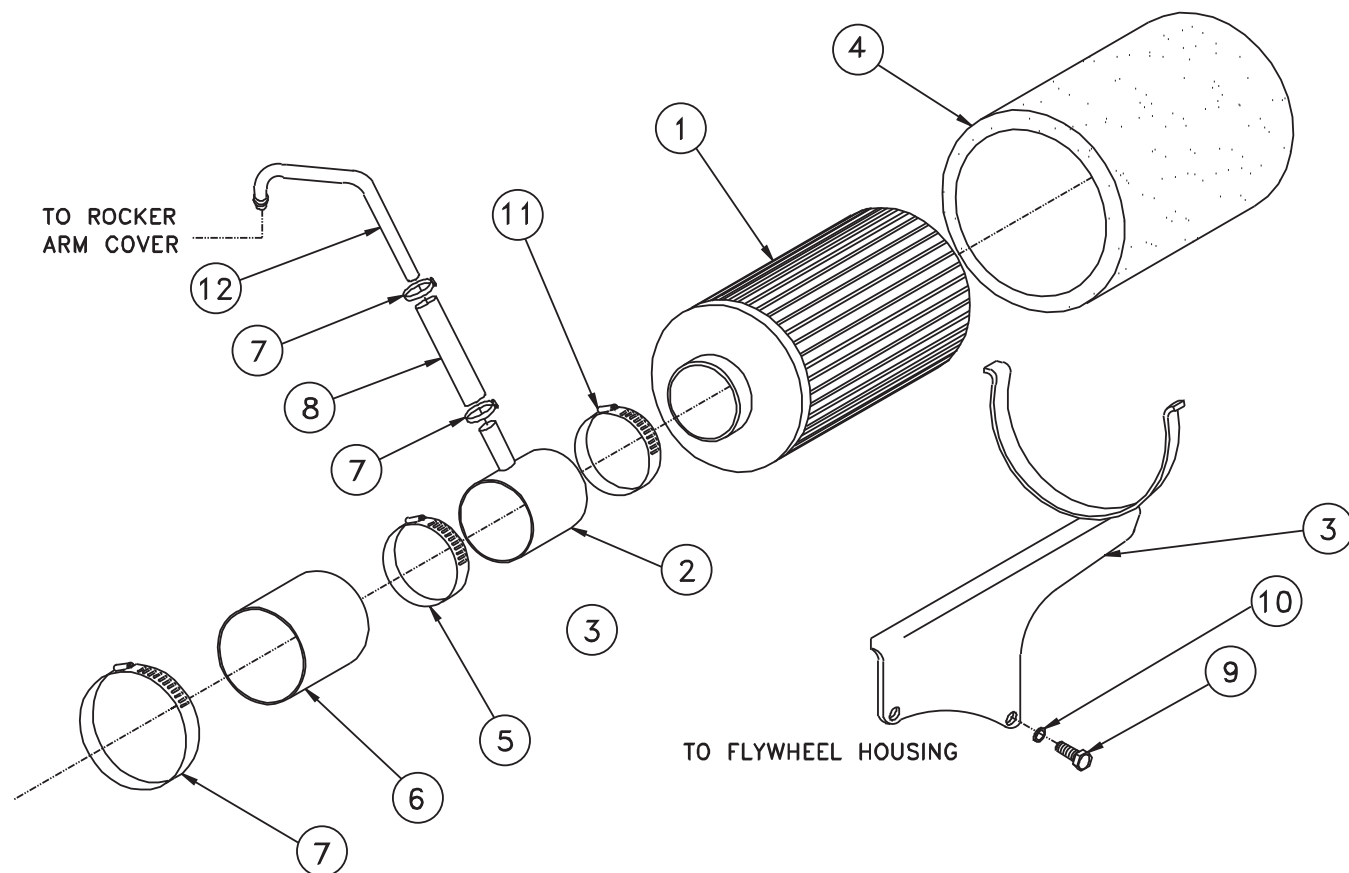
Air Filter & Mounting L-LC6108A SAE #3



A-6739, A-5512/ B-6590

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-25701	1	Air Filter (includes key #11)	-
2	31-25701	1	Adapter, Filter & Breather Connection L6108	-
	31-25702	1	Adapter, Filter Connection, LC6108	-
3	23-05701	1	Bracket, Filter & Relay Mounting	-
4	24-25702	1	Filter Sleeve	-
5	19-00048	2	Hose Clamp #48	-
6	18-25702	1	Hose, 3" x 2-3/4"	-
7	19-00008	2	Hose Clamp #8, L6108	-
8	18-11010	1	Hose, 3/4" x 4-1/4", L6108	-
9	12-00911	2	CS, Hex Head M12 x 1.75 x 20mm	-
10	15-00912	2	Lock Washer, Helical M12	-
11	19-00048	1	Hose Clamp #48	-
12	27-75701	1	Tube, Crank Case Vent	-
*Note: Keys 7, 8, & 12 are not used on LC6108				

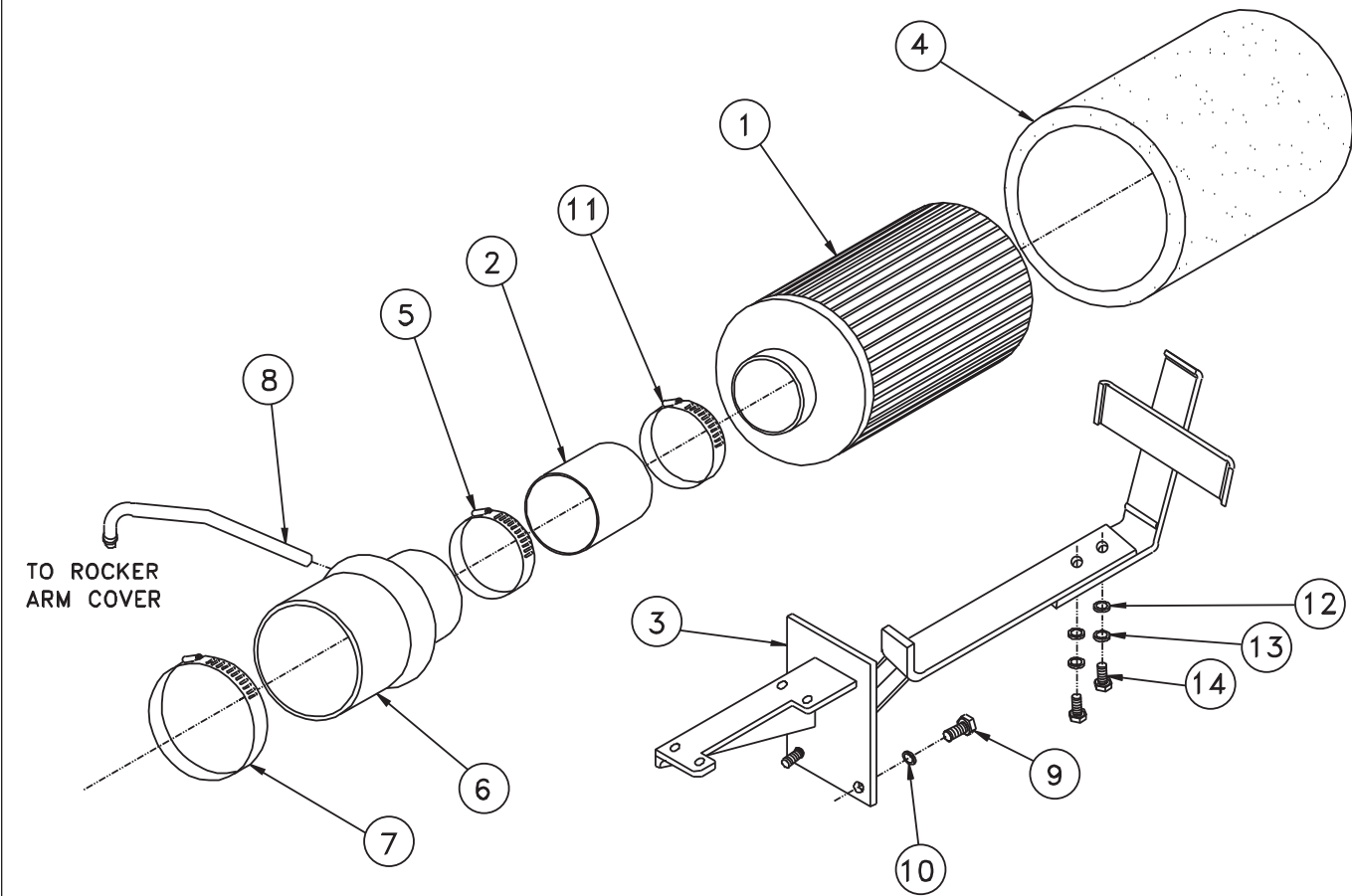
Air Filter & Mounting L6108A SAE #1



A-5850/ B-6597

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-25701	1	Air Filter (includes key #11)	-
2	31-25701	1	Adapter, Filter & Breather Connection	-
3	23-25702	1	Bracket, Filter Mounting	-
4	24-25702	1	Filter Sleeve	-
5	19-00048	2	Hose Clamp #48	-
6	18-25702	1	Hose, 3" x 2-3/4"	-
7	19-00008	2	Hose Clamp #8, L6108	-
8	18-11010	1	Hose, 3/4" ID x 4-1/4", L6108	-
9	12-00922	2	Capscrew, Hex Head M12 x 1.75 x 90 mm	-
10	15-00912	2	Lock Washer, Helical M12	-
11	19-00048	1	Hose Clamp #48	-
12	27-75701	1	Tube, Crank Case Vent	-

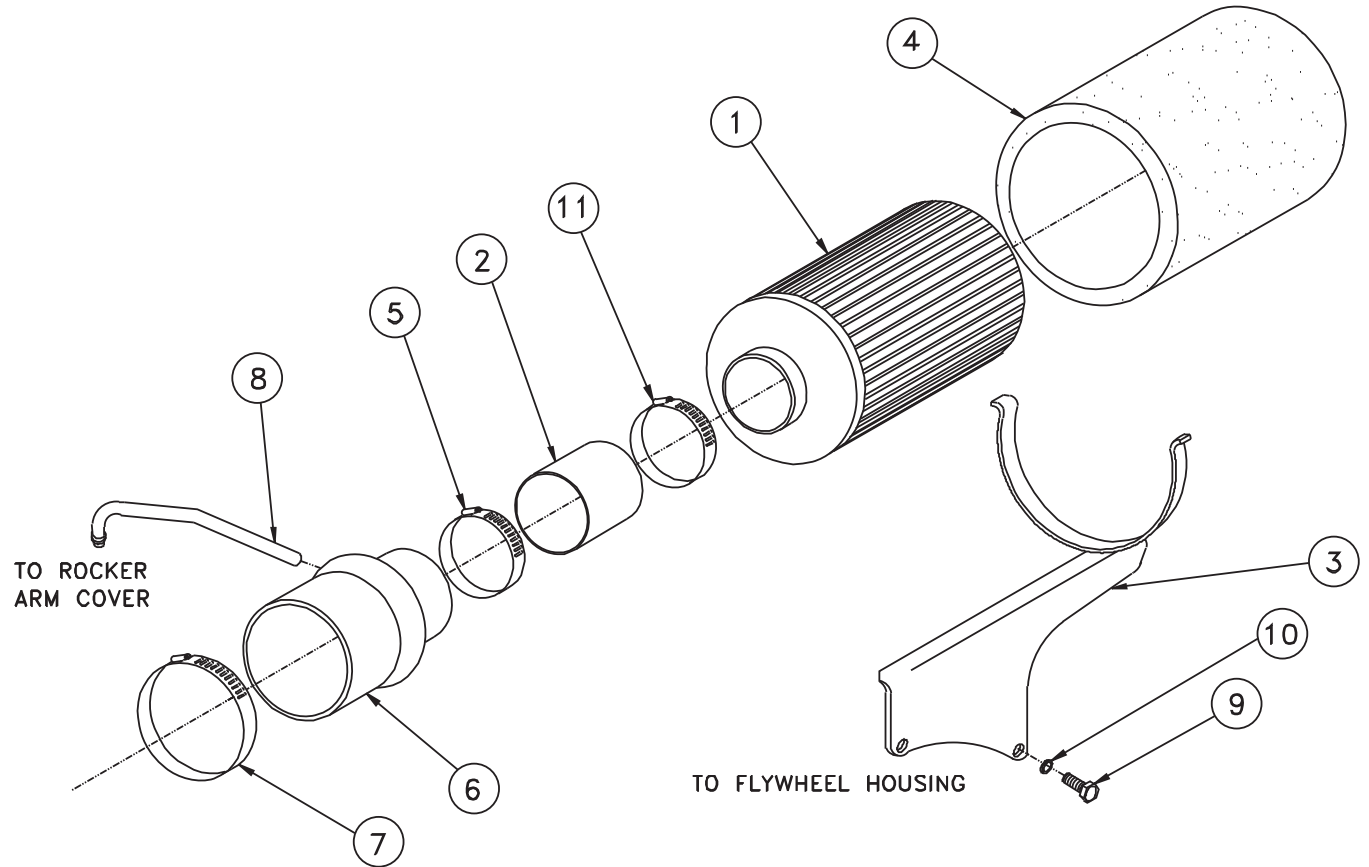
Cleanable Air Filter/Sleeve & Mounting L6108A2 SAE #3



A-7417/ B-6529

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-25701	1	Air Filter Element	-
2	31-25702	1	Adapter, Air Filter Mounting	-
3	23-05701	1	Bracket, Filter & Circuit Breaker Mounting	-
4	24-25702	1	Air Filter Sleeve	-
5	19-00048	1	Hose Clamp #48	-
6	18-25704	1	Hump Hose, 4" x 3" x 5" LOA (with vent)	-
7	19-00072	1	Hose Clamp #72	-
8	27-25703	1	Crankcase Vent Tube	-
9	12-00911	2	Capscrew, Hex Head M12 x 1.75 x 20 mm	-
10	15-00912	2	Lock Washer, Helical M12	-
11	19-00048	1	Hose Clamp #48	-
12	15-00111	2	Flat Washer 1/4"	-
13	15-00702	2	Lock Washer, Helical M8	-
14	12-00751	2	Capscrew, Hex Head M8 x 1.25 x 16 mm	-

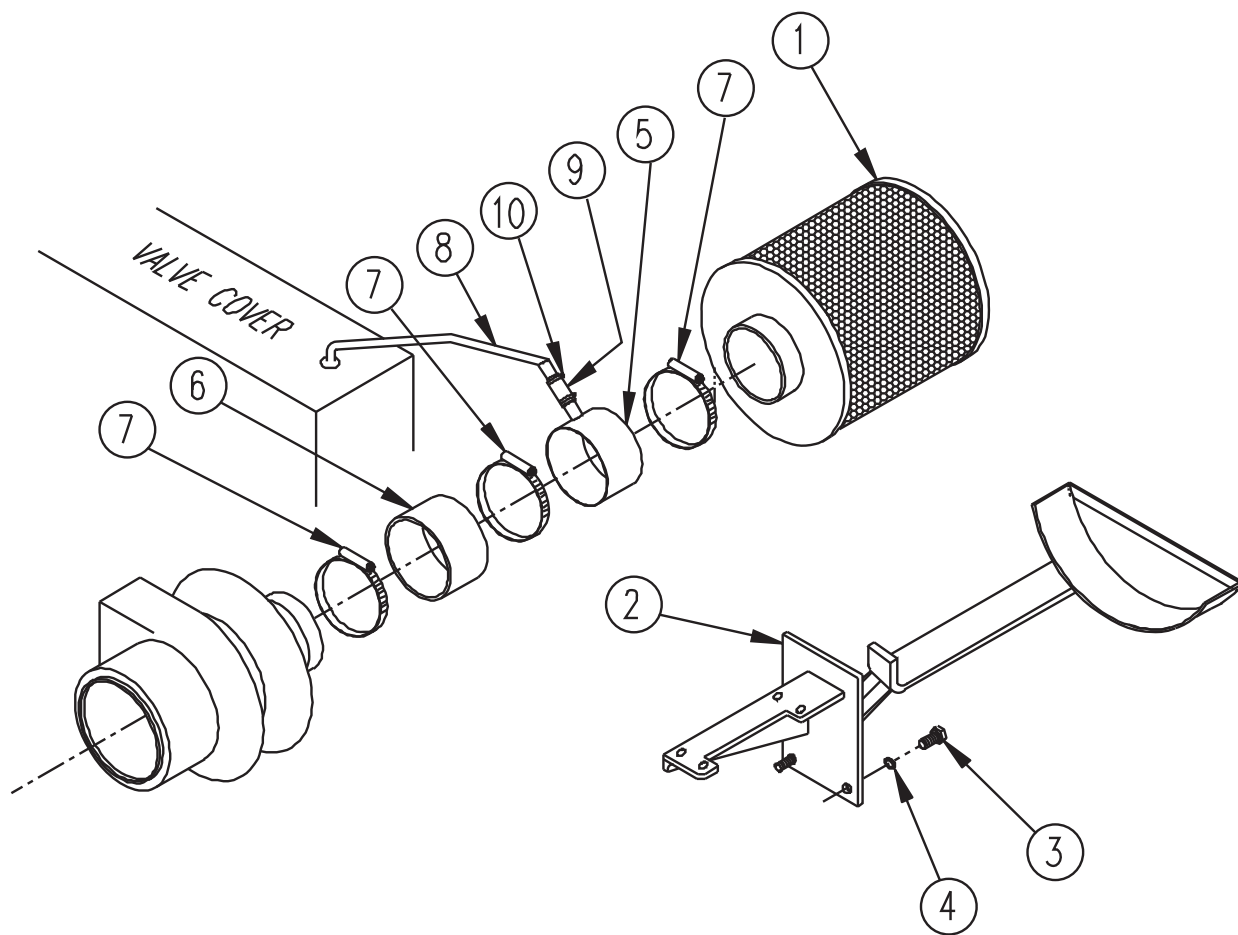
Cleanable Air Filter/Sleeve & Mounting L6108A2 SAE #1



A-7441/ B-6596

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-25701	1	Air Filter Element	-
2	31-25702	1	Adapter, Air Filter Mounting	-
3	23-25702	1	Bracket, Filter Mounting	-
4	24-25702	1	Air Filter Sleeve	-
5	19-00048	1	Hose Clamp #48	-
6	18-25704	1	Hump Hose, 4" x 3" x 5" LOA (with vent)	-
7	19-00072	1	Hose Clamp #72	-
8	27-25703	1	Crankcase Vent Tube	-
9	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
10	15-00912	2	Lock Washer, Helical M12	-
11	19-00048	1	Hose Clamp #48	-

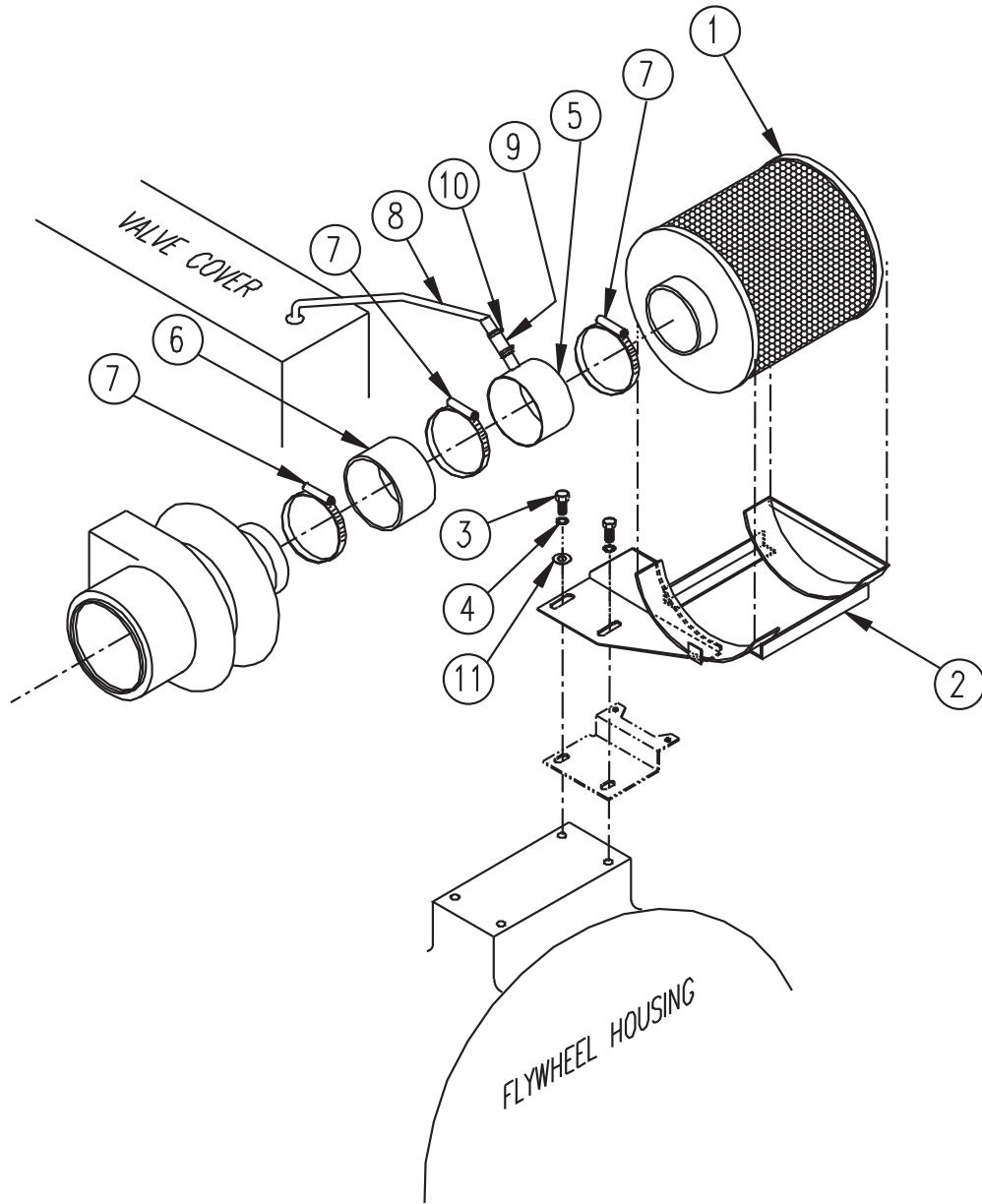
Disposable Air Filter & Mounting L6108A2 SAE #3



A-8787/ C-4669

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-25706	1	Air Filter Element	-
2	23-05703	1	Bracket, Air Filter Mounting	-
3	12-00911	2	Capscrew, Hex Head M12 x 1.75 x 20 mm	-
4	15-00912	2	Lock Washer, Helical M12	-
5	27-25705	1	Tube, Air Inlet 4" OD (with 3/4 HB Breather Connection)	-
6	18-25706	1	Hose, 4" ID x 2"	-
7	19-00072	3	Hose Clamp #72	-
8	27-25706	1	Crankcase Vent Tube	-
9	18-11010	1	Hose 3/4" ID x 4-1/4"	-
10	19-00008	2	Hose Clamp #8	-

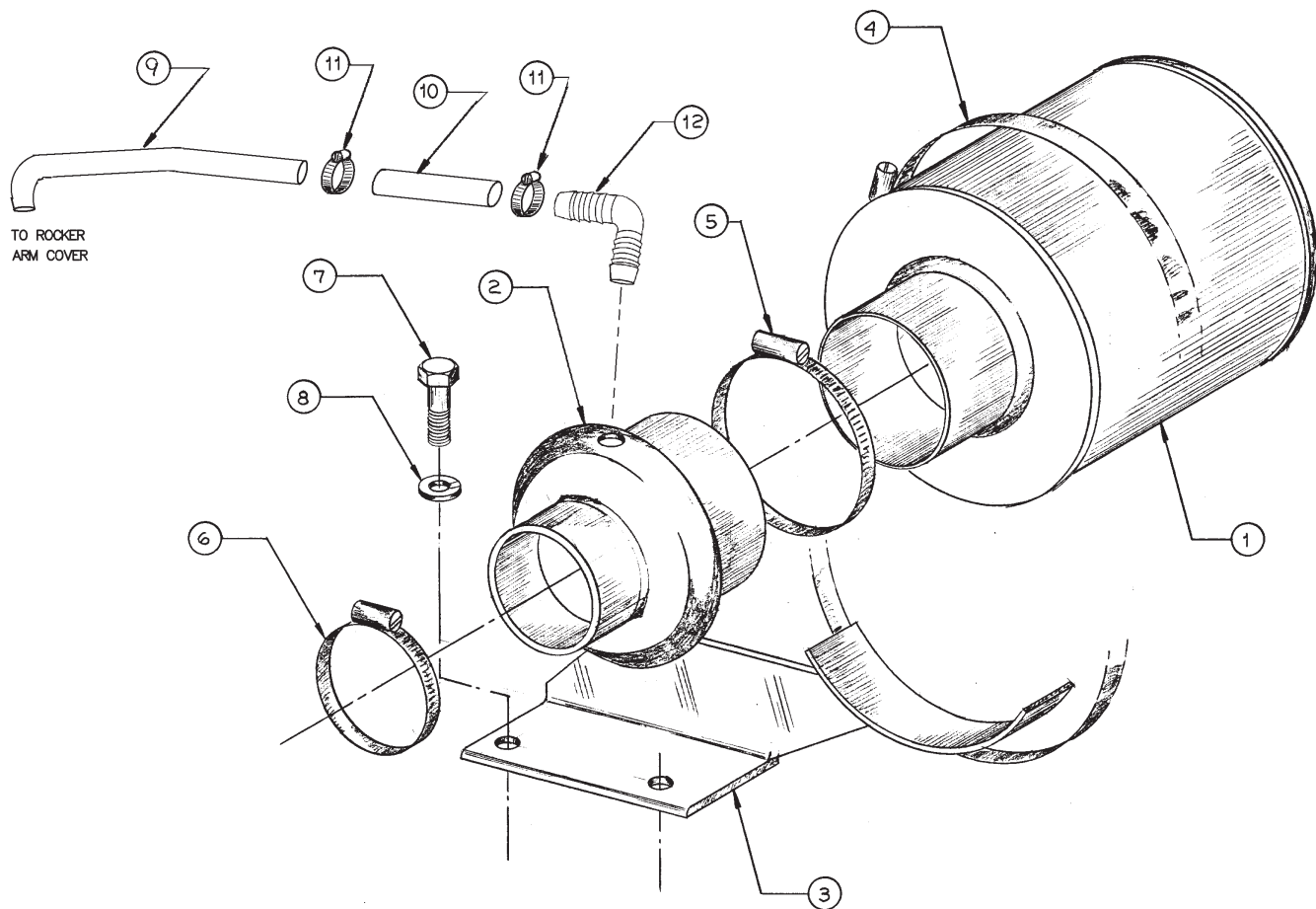
Disposable Air Filter & Mounting L6108A2 SAE #1



A-8787/ C-4396

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-25706	1	Air Filter Element	-
2	23-25706	1	Bracket, Air Filter Mounting	-
3	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
4	15-00912	2	Lock Washer, Helical M12	-
5	27-25705	1	Tube, Air Inlet 4" OD (with 3/4 HB Breather Connection)	-
6	18-25706	1	Hose, 4" ID x 2"	-
7	19-00072	3	Hose Clamp #72	-
8	27-25706	1	Crankcase Vent Tube	-
9	18-11010	1	Hose 3/4" ID x 4-1/4"	-
10	19-00008	2	Hose Clamp #8	-
11	15-00007	2	Flat Washer M12	-

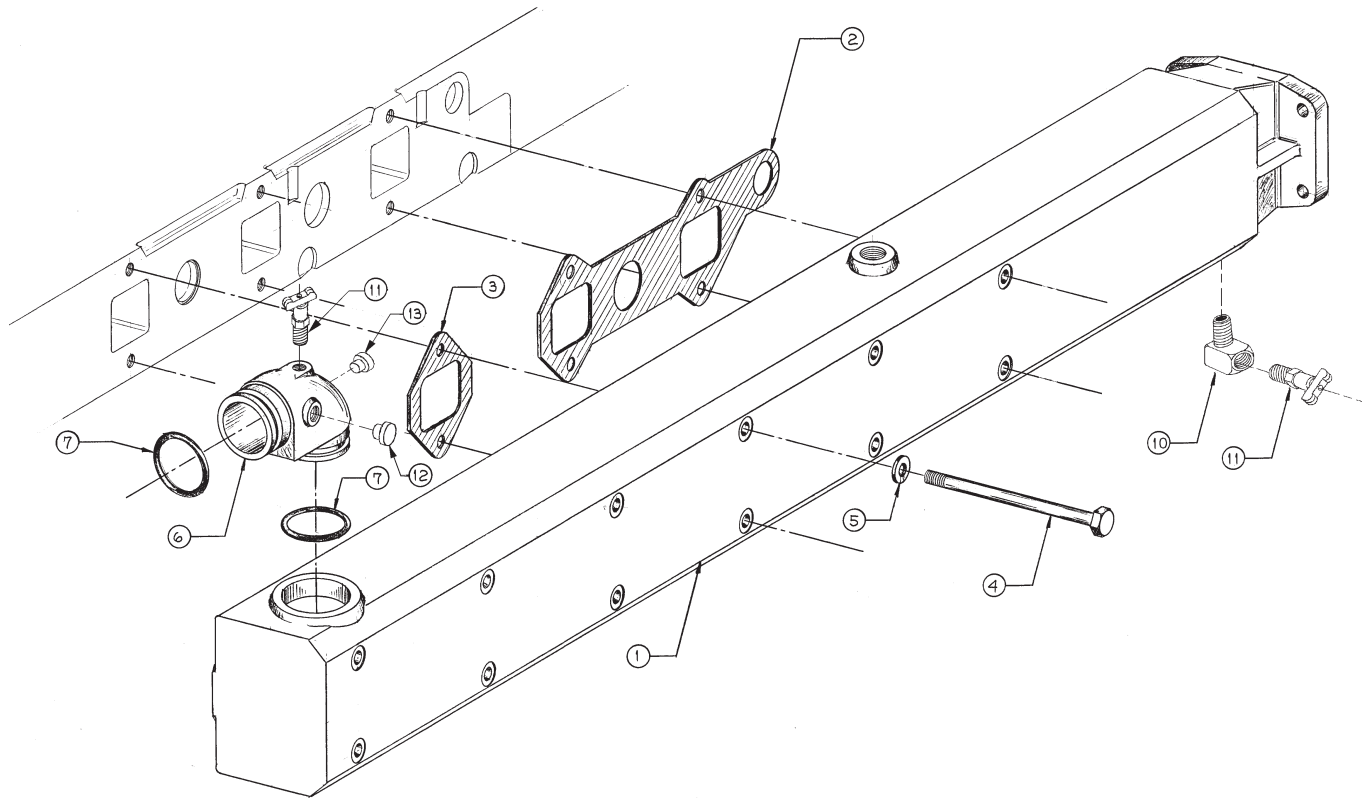
Air Filter and Mounting M6108



A-5946/ C-2641A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	24-21000	1	Air Filter	-
2	18-21004	1	Hump Hose 4" x 2" x 4-3/4" LOA (K26 Turbo)*	-
	18-21003	1	Hump Hose 4" x 2-3/4" x 4" LOA (K27 Turbo)*	-
3	23-25703	1	Bracket, Air Filter Support (K26 Turbo)*	-
	23-25704	1	Bracket, Air Filter Support (K27 Turbo)*	-
4	19-00128	1	Hose Clamp #128	-
5	19-00072	1	Hose Clamp #72	-
6	19-00036	1	Hose Clamp #36 (K26 Turbo)	-
	19-00044	1	Hose Clamp #44 (K27 Turbo)	-
7	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
8	15-00912	2	Lock Washer, Helical M12	-
9	27-25702	1	Crankcase Vent Tube	-
10	18-11010	1	Hose, 3/4" ID x 4-1/4"	-
11	19-00008	2	Hose Clamp #8	-
12	21-00025	1	M. Elbow, 90°, PVC 3/4 HB x 3/4 HB	-
*See Turbocharger Application Chart to verify Hump Hose and Bracket selection				

Exhaust Manifold L-M6108



A-6651, A-6652, A5199 / D-2181A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-35701	1	Exhaust Manifold (Schwitzer S-3A Turbo) L6108 (includes keys 8-11)*	-
	10-35702	1	Exhaust Manifold (K26 Turbo) M6108 (includes keys 8-11)*	-
	10-35703	1	Exhaust Manifold (K27 & K31 Turbos) L-M6108 (includes keys 8-11)*	-
2	11-35705	1	Exhaust Manifold Gasket	-
3	11-35700	4	Exhaust Manifold Gasket	-
4	12-35701	12	Capscrew, Hex Head M10 x 1.5 x 120 mm Grade 10.9	-
5	15-00802	12	Lock Washer, Helical M10	-
6	10-15703	1	Exhaust Manifold Connector (includes keys 11-13)	-
7	16-15007	2	O-Ring	-
8	17-14802	1	Expansion Plug 2" (not shown)	-
9	17-10054	3	Expansion Plug 1-1/4" (not shown)	-
10	21-51098	1	Street Elbow, 90° Brass 1/4 NPT	-
11	21-10002	2	Drain Cock, Brass 1/4 NPT	-
12	21-31003	1	Plug, Hex Head, Brass 3/8 NPT	-
13	21-00530	1	Plug, Hex Head, Brass 1/2 NPT	-
*Note: See Turbocharger Application Chart to verify Exhaust Manifold selection.				

Turbocharger Application List

Propulsion Engines Pre-Emissions Compliant, year 1999 and older

Part Number	Description
30-35701	S-3AW080 Schwitzer/ Borg-Warner, 3" Air Inlet (ID Tag # 199207) L6108A to 350 Hp L6108A2 @ 270 Hp LC6108A All Ratings
30-35702	S-3ALW-155 Schwitzer/ Borg-Warner, 4" Inlet (ID Tag # 168859) L6108A2 to 410 Hp

Propulsion Engines Emissions Compliant, year 2000 and newer

Part Number	Description
30-35703	K31 KKK/ Borg-Warner, 4 -1/8" Air Inlet (Compressor Housing Casting # 5328 101 50 85) L6108A2 to 410 Hp Note: Also supplied in retrofit assemblies on earlier L6108A2 @ 410 Hp

Generator Drive Engines Emissions Compliant, year 2000 and newer

Part Number	Description
30-31627-1	K27 KKK/ Borg-Warner, 2 -3/4" Air Inlet (ID Tag # 5327 970 70 90 or 5327 988 70 90) M6108A2 150 kW @ 1800 RPM M6108T2 125 kW @ 1800 RPM

Turbocharger Application List

Generator Drive Engines Pre-Emissions Compliant, year 1999 and older

Part Number	Description
30-31426-1	K26 KKK/ Borg-Warner, 2" Air Inlet (ID Tag #5326 970 64 93 or 5326 988 64 93) M6108A 150 kW @ 1800 RPM M6108A 125 kW @ 1500 RPM M6108T 125 kW @ 1800 RPM M6108T 104 kW @ 1500 RPM M6108A2 125 kW @ 1500 RPM

Generator Drive Engines Emissions Compliant, year 2000 and newer

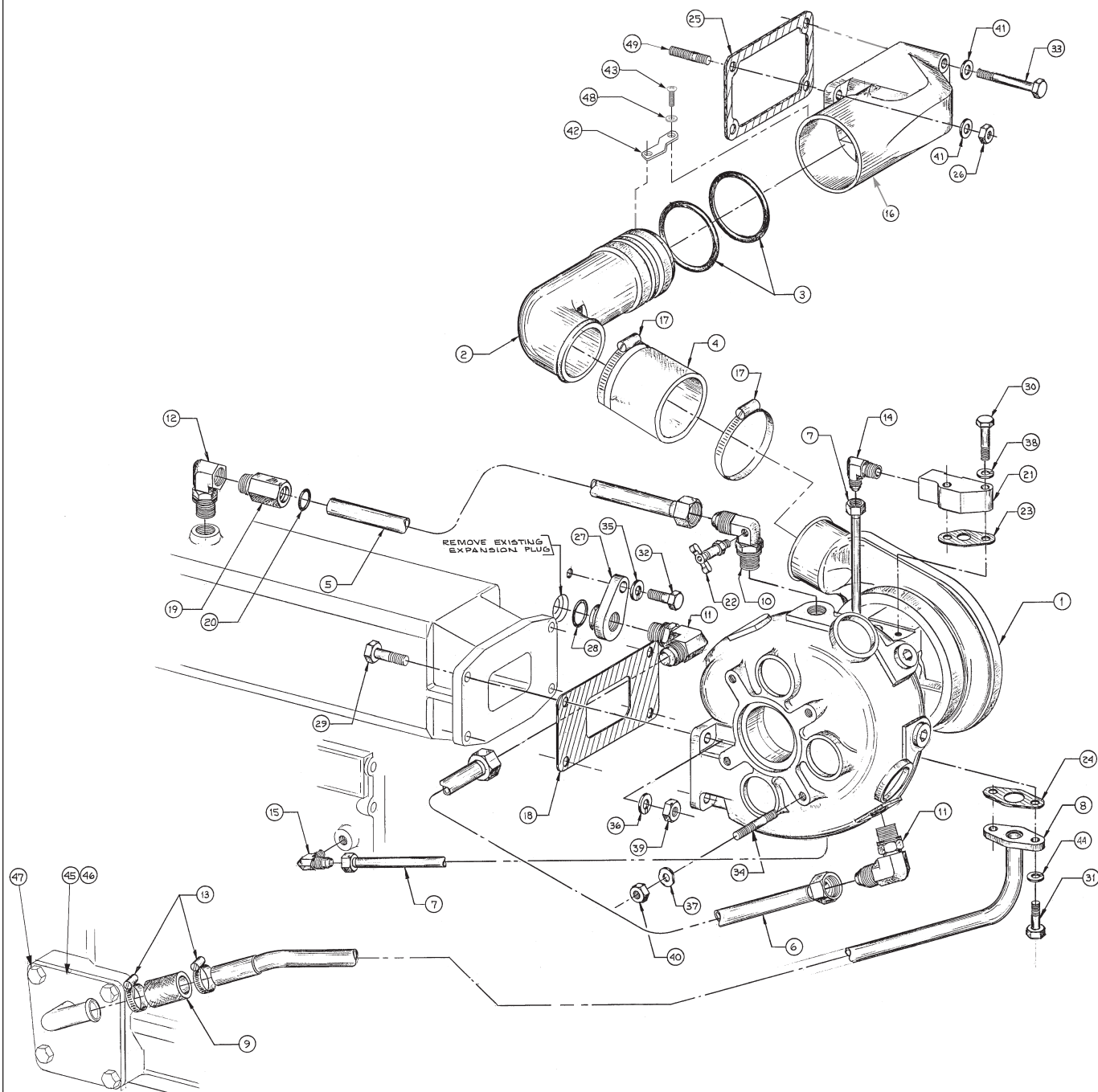
Part Number	Description
30-31426-1	K26 KKK/ Borg-Warner, 2" Air Inlet (ID Tag #5326 970 64 93 or 5326 988 64 93) M6108A2 125 kW @ 1500 RPM

Generator Drive Engines No Emissions Compliance Required

Part Number	Description
30-31426-1	K26 KKK/ Borg-Warner, 2" Air Inlet (ID Tag #5326 970 64 93 or 5326 988 64 93) M6108T2 104 kW @ 1500 RPM
30-21400-1	K26 KKK/ Borg-Warner, 2" Inlet (ID Tag #5326 970 60 90 or 5326 988 60 90) M6108QA to 96 kW @ 1200 RPM M6108QA2 to 96 kW @ 1200 RPM

S3 Turbocharger & Mounting SAE #3 Flywheel Hsg L6108A-A2

All Models Non-Emissions Certified through year 1999



A-5211, A-7343/ D-2185B

S3 Turbocharger & Mounting SAE #3 Flywheel Hsg L6108A-A2

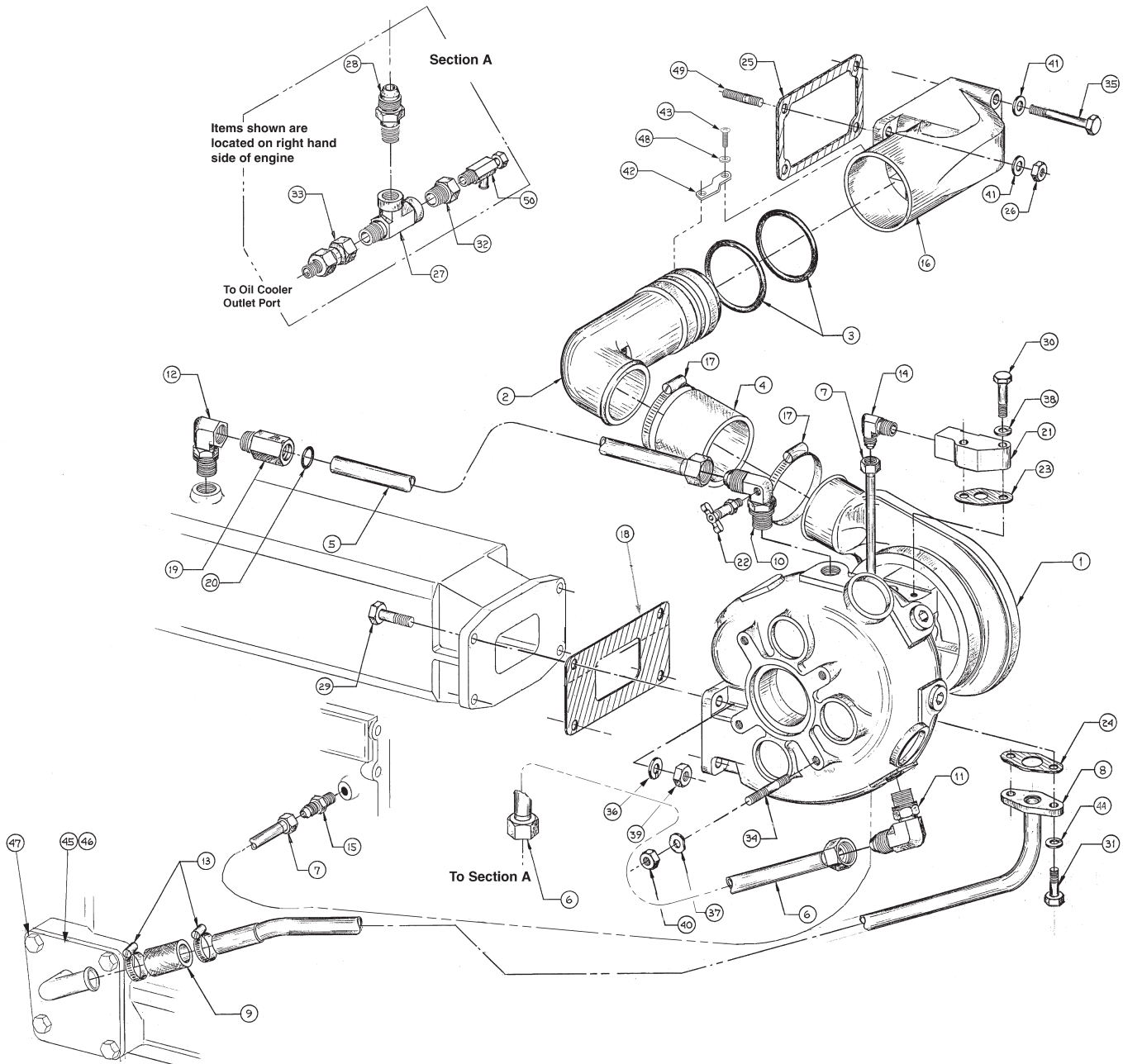
All Models Non-Emissions Certified through year 1999

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-35701	1	Turbocharger, S3AW L6108A to 350 Hp & L6108A2 to 270 Hp (see parts detail)	-
	30-35702	1	Turbocharger, S3ALW L6108A2 to 410 Hp (see parts detail)	-
2	10-25702	1	Air Inlet Tube	-
3	16-25701	2	O-Ring	-
4	18-25702	1	Hose #1 ID x 2-3/4" Silicone	-
5	27-15702	1	Tube Assembly, Turbo Coolant Return	-
6	27-15706	1	Tube Assembly, Turbo Coolant Supply	-
7	27-35705	1	Tube Assembly, Turbo Oil Supply	-
8	27-35703	1	Tube Assembly, Turbo Oil Return	-
9	18-05000	1	Hose, 7/8 ID x 2-3/4"	-
10	21-35003	1	Male Elbow 90°, Steel 7/8-14 O-Ring x 3/4-37T	-
11	21-62600	2	Male Elbow 90°, 7/8-14 O-Ring x 3/4-37T	-
12	21-03459	1	Female Elbow, 90°, 7/8-14 O-Ring x 1/2 NPT	-
13	19-00016	2	Hose Clamp #16	-
14	21-00606	1	Male Elbow 90°, Steel 3/8 NPT x 3/8-37T	-
15	21-05701	1	Male Elbow 90°, Steel 1/4 BSPT x 3/8-37T	-
16	10-25701	1	Connector, Air Inlet	-
17	19-00052	2	Hose Clamp #52	-
18	11-35702	1	Gasket	-
19	R41285	1	O-Ring Fitting	-
20	16-01000	1	O-Ring (can use R72328)	-
21	R43928	1	Oil Feed Adapter	-
22	21-10001	1	Vent Cock, Brass 1/8 NPT	-
23	11-31014	1	Gasket	-
24	11-31031	1	Gasket	-
25	11-25701	1	Gasket, Inlet Connector Mounting	-
26	14-00816	2	Hex Nut M10 x 1.25 (formerly #14-00818)*	-
27	31-15701	1	Adapter, Turbo Coolant Connection	-
28	16-15702	1	O-Ring	-
29	12-00812	4	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
30	12-00708	2	Capscrew, Hex Head 5/16-18 x 1-3/4"	-
31	12-00712	2	Capscrew, Hex Head 3/8-16 x 1-1/4"	-
32	12-00953	1	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
33	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
34	13-00814	4	Stud, M10 x 1.5 x 30mm	-
35	15-00912	1	Lock Washer M12	-
36	15-00802	4	Lock Washer M10	-
37	15-00804	4	Wave Washer M10	-
38	15-00202	2	Lock Washer 5/16	-
39	14-00811	4	Hex Nut M10 x 1.5	-
40	14-00817	4	Hex Nut M10 x 1.5, Stainless Steel	-
41	15-00805	4	Flat Washer, M10	-
42	28-25701	1	Clamp, Air Inlet Tube Retaining	-
43	12-04406	2	Capscrew, Hex Head M5 x 0.8 x 12 mm	-
44	15-00302	2	Lock Washer 3/8	-
45	28-05701	1	Cover	-
46	6136-21-7811	1	Gasket	-
47	01435-21025	4	Capscrew, Hex Head Flanged M10 x 1.5 x 25 mm	-
48	15-00027	2	Flat Washer M5	-
49	01140-61025	2	Stud M10 x 1.5 x M10 x 1.25 x 25mm (35 mm LOA, formerly 13-05001)*	-

*Stud #49 & Nut #26 replaced by items above. Replace together.

S3 Turbocharger & Mounting SAE #1 Flywheel Hsg. L6108A-A2

All Models Non-Emissions Certified through year 1999



A-5856, A-7440A / D-3435

S3 Turbocharger & Mounting SAE #1 Flywheel Hsg. L6108A-A2

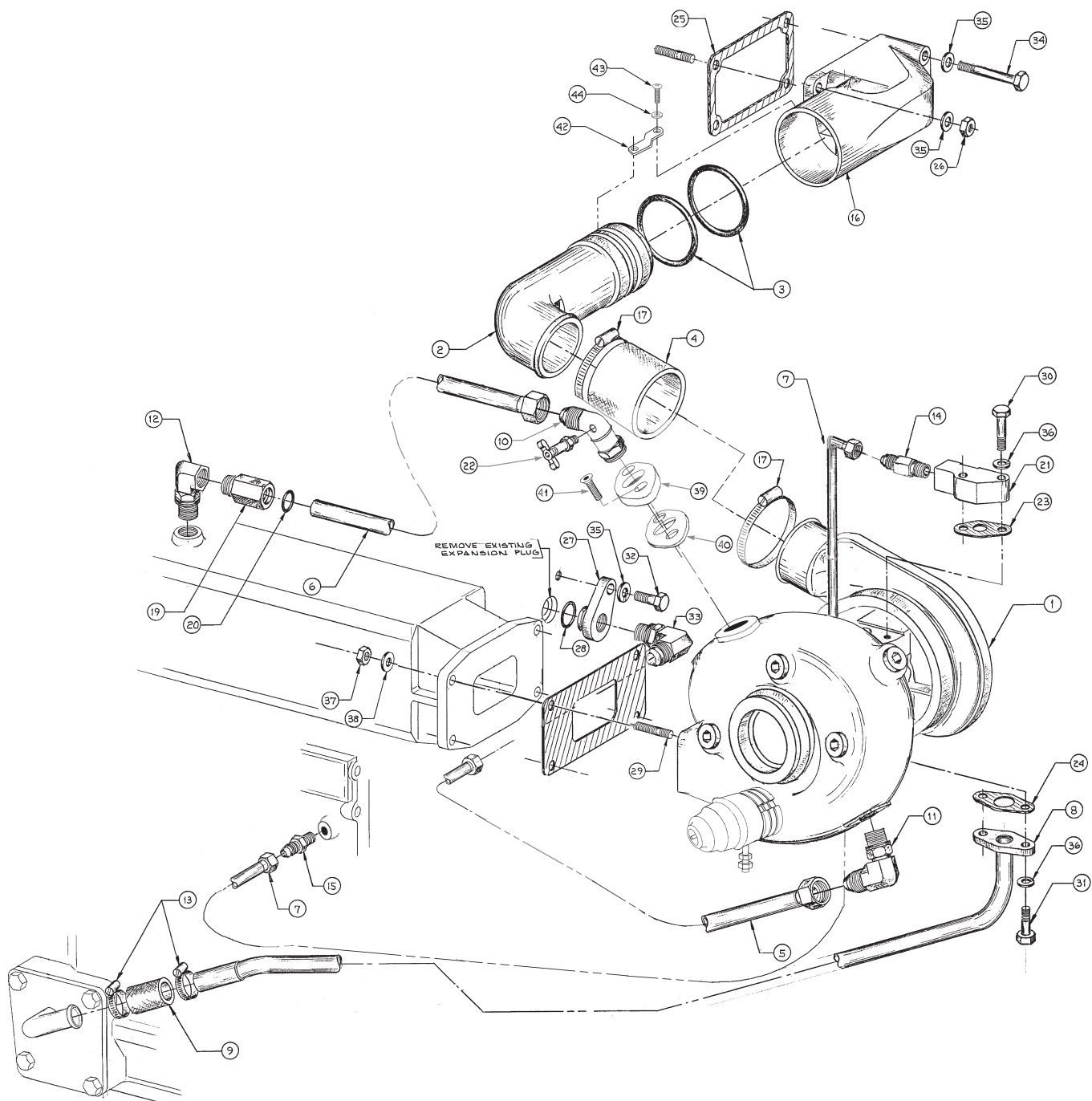
All Models Non-Emissions Certified through year 1999

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-35701	1	Turbocharger S3AW L6108A to 350 Hp (see parts detail)	-
	30-35702	1	Turbocharger S3ALW L6108A2 to 410 Hp (see parts detail)	-
2	10-25702	1	Connector, Air Inlet	-
3	16-25701	2	O-Ring	-
4	18-25702	1	Hose 3" ID x 2-3/4" Silicone	-
5	27-15702	1	Tube Assembly, Turbo Coolant Return	-
6	27-15716	1	Tube Assembly, Turbo Coolant Supply	-
7	27-35711	1	Tube Assembly, Turbo Oil Supply	-
8	27-35709	1	Tube, Turbo Oil Return	-
9	18-05000	1	Hose, 7/8" ID x 2-3/4"	-
10	21-35003	1	Male Elbow 90°, Steel 5/8 O-R Port x 3/4-37T	-
11	21-62600	1	Male Elbow 90°, Steel 5/8 O-R Port x 3/4-37T	-
12	21-03459	1	Female Elbow, 90°, Steel 5/8 O-R Port x 1/2 NPT	-
13	19-00016	2	Hose Clamp #16	-
14	21-00606	1	Male Elbow 90°, Steel 3/8 NPT x 3/8-37T	-
15	21-05703	1	Male Connector, Steel 1/4 BSPT x 3/8-37T	-
16	10-25701	1	Connector, Air Inlet	-
17	19-00052	2	Hose Clamp #52	-
18	11-35702	1	Gasket	-
19	R41285	1	Adapter	-
20	16-01000	1	O-Ring	-
21	R43928	1	Oil Feed Adapter	-
22	21-10001	1	Drain Cock, Brass 1/8 NPT	-
23	11-31014	1	Gasket	-
24	11-31031	1	Gasket	-
25	11-25701	1	Gasket, Inlet Connector Mounting	-
26	14-00816	2	Hex Nut M10 x 1.25*	-
27	21-15712	1	Street Tee, Steel, 5/8-37T x 1/2 NPT	-
28	21-35002	1	Male Connector, Steel 1/2 NPT x 3/4-37T	-
29	12-00812	4	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
30	12-00215	2	Capscrew, Hex Head 5/16-18 x 1-3/4"	-
31	12-00313	2	Capscrew, Hex Head 3/8-16 x 1-1/4"	-
32	21-00134	1	Bushing	-
33	21-15711	1	Female Connector, Steel 5/8-37T Swivel x 3/8 NPT	-
34	13-00814	4	Stud, M10 x 1.5 x 30 mm	-
35	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
36	15-00802	4	Lock Washer, Helical M10	-
37	15-00804	4	Wave Washer M10	-
38	15-00702	2	Lock Washer, Helical M8	-
39	14-00811	4	Hex Nut M10 x 1.5	-
40	14-00817	4	Hex Nut M10 x 1.5 S/S	-
41	15-00805	4	Flat Washer M10	-
42	28-25701	1	Clamp, Air Inlet Tube Retaining	-
43	12-04406	2	Capscrew, Hex Head M5 x 0.8 x 12 mm	-
44	15-00302	2	Lock Washer 3/8	-
45	28-05701	1	Cover	-
46	6136-21-7811	1	Gasket	-
47	01435-21025	4	Capscrew, Hex Head Flanged M10 x 1.5 x 25 mm	-
48	15-00027	2	Flat Washer M5	-
49	01140-61025	2	Stud M10 x 1.5 x M10 x 1.25 x 25 mm (32mm LOA), formerly 13-05001*	-
50	6140-61-6512	1	Drain Cock	-

*Stud #49 & Nut #26 replaced by items listed, replace together

K31 Turbocharger & Mounting SAE #3 Flywheel Hsg. L6108A2

All Models Emissions Certified from year 2000



A-5856, A-7440A / D-3436

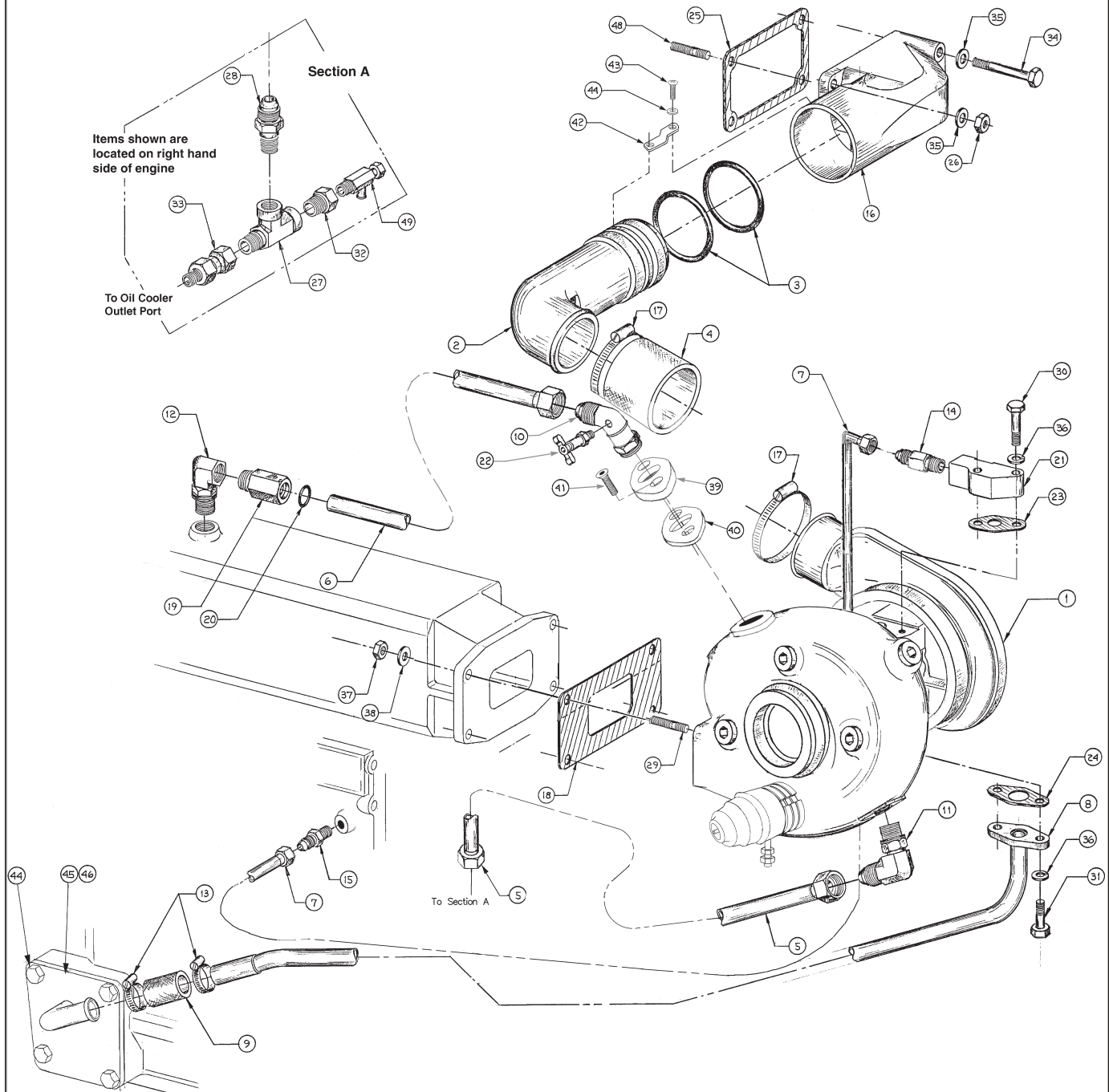
K31 Turbocharger & Mounting SAE #3 Flywheel Hsg. L6108A2

All Models Emissions Certified from year 2000

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL #
1	30-35703	1	Turbocharger Assembly K31 (parts not listed separately - contact dealer or factory)	-
2	10-25706	1	Air Inlet Connector	-
3	16-25701	2	O-Ring	-
4	18-25702	1	Hose 3" ID x 2-3/4" Silicone	-
5	27-15724	1	Tube Assembly, Turbo Coolant Supply	-
6	27-15726	1	Tube Assembly, Turbo Coolant Return	-
7	27-35724	1	Tube Assembly, Turbo Oil Supply	-
8	27-35726	1	Tube, Turbo Oil Return	-
9	18-05000	1	Hose, 7/8" ID x 2-3/4"	-
10	21-15716	1	Male Elbow 45°, Steel 5/8 O-Ring Port x 3/4-37T	-
11	21-14801	1	Male Elbow 90°, Steel M22 x 1.5 x 3/4-37T	-
12	21-03459	1	Female Elbow, 90°, 5/8 O-Ring Port x 1/2 NPT	-
13	19-00016	2	Hose Clamp #16	-
14	21-52800	1	Male Connector, Steel, 3/8 NPT x 3/8-37T	-
15	21-05703	1	Male Connector, Steel 1/4 BSPT x 3/8-37T	-
16	10-25701	1	Connector, Air Inlet	-
17	19-02048	2	Hose Clamp #48 (Constant Tension type)	-
18	11-31615	1	Gasket	-
19	R41285	1	Adapter	-
20	16-01000	1	O-Ring	-
21	R43928	1	Oil Feed Adapter	-
22	21-10001	1	Drain Cock, Brass 1/8 NPT	-
23	11-31012	1	Gasket	-
24	11-31031	1	Gasket	-
25	11-25701	1	Gasket, Inlet Connector Mounting	-
26	14-00816	2	Hex Nut M10 x 1.25	-
27	31-15701	1	Adapter, Turbo Coolant Connection	-
28	16-15702	1	O-Ring	-
29	13-00814	4	Stud, M10 x 1.5 x 30 mm	-
30	12-00714	2	Capscrew, Hex Head M8 x 1.25 x 40 mm	-
31	12-00712	2	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
32	12-00953	1	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
33	21-62600	1	Male Elbow, 90° Steel 5/8 OR Port x 3/4-37T	-
34	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
35	15-00805	4	Flat Washer M10	-
36	15-00702	4	Lock Washer, Helical M8	-
37	14-00810	4	Hex Nut M10 x 1.5	-
38	15-00803	4	Lock Washer, Hi-Collar M10	-
39	31-15703	1	Adapter	-
40	11-15704	1	Gasket	-
41	12-11131	2	Capscrew, Flat Head Socket M6 x 1.0 x 20 mm (formerly 25 mm LOA)	-
42	28-25701	1	Strap	-
43	12-04406	2	Capscrew, Hex Head M5 x 0.8 x 12 mm	-
44	15-00027	2	Flat Washer M5	-
45	28-05701	1	Cover	-
46	6136-21-7811	1	Gasket	-
47	01435-21025	4	Capscrew, Hex Head, Flanged M10 x 1.5 x 25 mm	-
48	01140-61025	2	Stud, M10 x 1.5 x M10 x 1.25 x 25 mm (32 mm LOA)	-

K31 Turbocharger & Mounting SAE #1 Flywheel Hsg. L6108A2

All Models Emissions Certified from year 2000



A-5856, A-7440A / D-3437

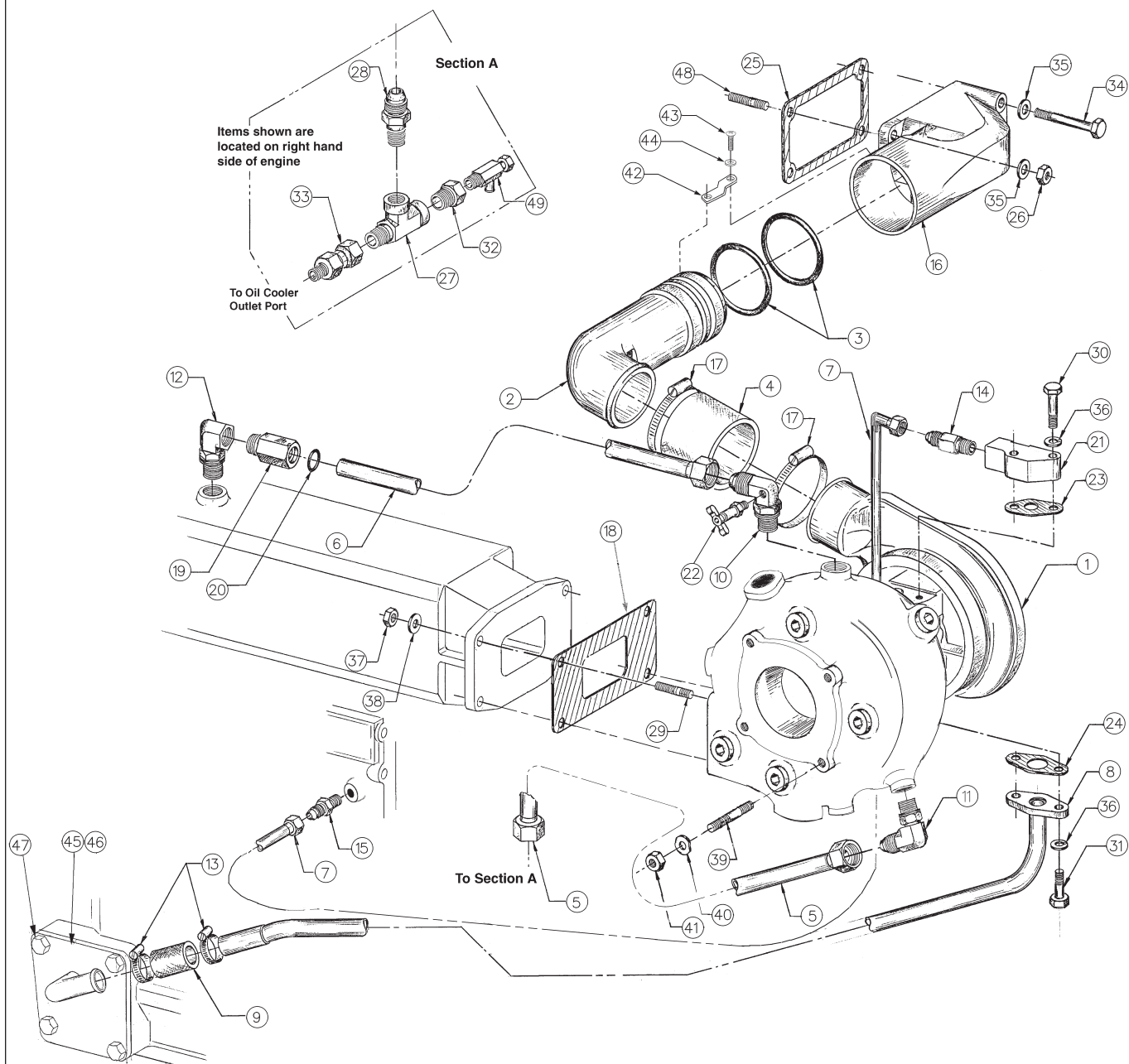
K31 Turbocharger & Mounting SAE #1 Flywheel Hsg. L6108A2

All Models Emissions Certified from year 2000

KEY	PART NUMBER	QTY	DESCRIPTION	S/N
1	30-35703	1	Turbocharger Assembly K31 (parts not listed separately - contact dealer or factory)	-
2	10-25706	1	Air Inlet Connector	-
3	16-25701	2	O-ring	-
4	18-25702	1	Hose 3" ID x 2-3/4" Silicone	-
5	27-15727	1	Tube Assembly, Turbo Coolant Supply	-
6	27-15726	1	Tube Assembly, Turbo Coolant Return	-
7	27-35724	1	Tube Assembly, Turbo Oil Supply	-
8	27-35726	1	Tube, Turbo Oil Return	-
9	18-05000	1	Hose, 7/8 ID x 2-3/4"	-
10	21-15716	1	Male Elbow 45°, Steel 5/8 O-ring Port x 1.5 x 3/4-37T (tapped 1/8 NPT)	-
11	21-14801	1	Male Elbow 90°, Steel M22 x 1.5 x 3/4-37T	-
12	21-03459	1	Female Elbow, 90°, Steel 5/8 O-ring Port x 1/2 NPT	-
13	19-00016	2	Hose Clamp #16	-
14	21-52800	1	Male Connector, Steel 3/8 NPT x 3/8-37T	-
15	21-05703	1	Male Connector, Steel 1/4 BSPT x 3/8-37T	-
16	10-25701	1	Connector, Air Inlet	-
17	19-02048	2	Hose Clamp #48 (constant tension type)	-
18	11-31615	1	Gasket	-
19	R41285	1	Adapter	-
20	16-01000	1	O-Ring	-
21	R43928	1	Oil Feed Adapter	-
22	21-10001	1	Drain Cock, Brass 1/8 NPT	-
23	11-31012	1	Gasket	-
24	11-31031	1	Gasket	-
25	11-25701	1	Gasket, Inlet Connector Mounting	-
26	14-00816	2	Hex Nut M10 x 1.25	-
27	21-15712	1	Street Tee, Steel 5/8-37T x 1/2 NPT	-
28	21-35002	1	Male Connector, Steel 1/2 NPT x 3/4-37T	-
29	12-00814	4	Stud, M10 x 1.5 x 30 mm	-
30	12-00714	2	Capscrew, Hex Head M8 x 1.25 x 40 mm	-
31	12-00712	2	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
32	21-00134	1	Bushing	-
33	21-15711	1	Female Connector, Steel 5/8-37T Swivel x 3/8 NPT	-
34	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
35	15-00805	8	Flat Washer M10	-
36	15-00702	4	Lock Washer, Helical M8	-
37	14-00810	4	Hex Nut M10 x 1.5	-
38	15-00803	4	Lock Washer, Hi-collar M10	-
39	31-15703	1	Adapter	-
40	11-15704	1	Gasket	-
41	12-11131	2	Capscrew, Flathead Socket M6 x 1.0 x 20 mm (formerly 25 mm LOA)	-
42	28-25701	1	Strap	-
43	12-04406	2	Capscrew, Hex Head M5 x 0.8 x 12 mm	-
44	15-00027	2	Flat Washer M5	-
45	28-05701	1	Cover	-
46	6136-21-7811	1	Gasket	-
47	01435-21025	4	Capscrew, Hex Head, Flanged M10 x 1.5 x 25 mm	-
48	01140-61025	2	Stud, M10 x 1.5 x M10 x 1.25 x 25 mm (32 mm LOA)	-
49	6140-61-6512	1	Drain Cock	-

K27 Turbocharger Assembly M6108T2 & A2 @1800 RPM

All Models Emissions Certified from year 2000



A-8924/ D-3440

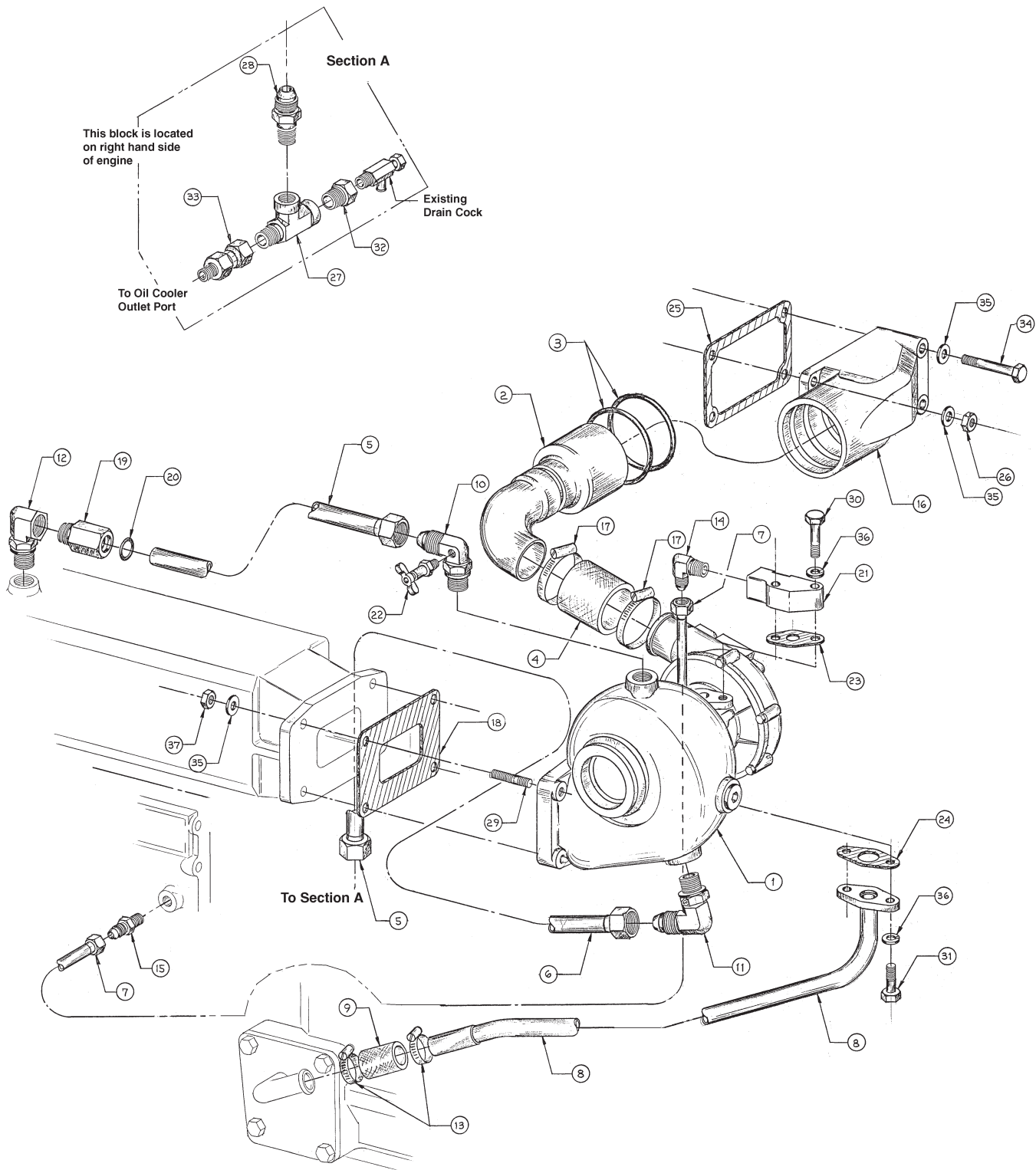
K27 Turbocharger Assembly M6108T2 & A2 @1800 RPM

All Models Emissions Certified from year 2000

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-31627-1	1	Turbocharger K27 (see parts detail)	-
2	10-25705	1	Connector, Air Inlet	-
3	16-25701	2	O-ring	-
4	18-21016	1	Hose, 2" I.D. x 1-3/4" Silicone	-
5	27-15727	1	Tube Assembly, Turbo Coolant Supply	-
6	27-15729	1	Tube Assembly, Turbo Coolant Return	-
7	27-35724	1	Tube Assembly, Turbo Oil Return	-
8	27-35726	1	Tube, Turbo Oil Return	-
9	18-05000	1	Hose, 7/8" I.D. x 2-3/4" 2 Ply	-
10	21-14817	1	Male Elbow, 90° Steel M22 x 1.5 x 3/4-37T (Tapped 1/8 NPT)	-
11	21-14801	1	Male Elbow, 90° Steel M22 x 1.5 x 3/4-37T	-
12	21-03459	1	Female Elbow, 90° Steel 5/8 O-R Port x 1/2 NPT	-
13	19-00016	2	Hose Clamp #16	-
14	21-52800	1	Male Connector, Steel 3/8 NPT x 3/8-37T	-
15	21-05703	1	Male Connector, Steel 1/4 BSPT x 3/8-37T	-
16	10-25701	1	Connector, Air Inlet	-
17	19-00032	2	Hose Clamp #32	-
18	11-31615	1	Gasket	-
19	R41285	1	Adapter, O-ring Seal x 1/2 NPT	-
20	16-01000	1	O-ring	-
21	R43928	1	Adapter, Turbo Oil Supply	-
22	21-10001	1	Drain Cock, Brass, 1/8 NPT	-
23	11-31012	1	Gasket	-
24	11-31031	1	Gasket	-
25	11-25701	1	Gasket	-
26	14-00816	2	Hex Nut M10 x 1.25	-
27	21-15712	1	Street Tee, Steel 5/8-37T x 1/2 NPT	-
28	21-35002	1	Male Connector, Steel 1/2 NPT x 3/4-37T	-
29	13-00814	4	Stud, M10 x 1.5 x 30 mm (42 mm LOA)	-
30	12-00714	2	Capscrew, Hex Head M8 x 1.25 x 40 mm	-
31	12-00712	2	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
32	21-00134	1	Bushing, Brass 1/2 NPT x 3/8 NPT	-
33	21-15711	1	Female Connector, Steel 5/8-37T Swivel x 3/8 NPT	-
34	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
35	15-00805	4	Flat Washer M10	-
36	15-00702	4	Lock Washer, Helical M8	-
37	14-00810	4	Hex Nut M10 x 1.5	-
38	15-00803	4	Lock Washer, Hi-Collar M10	-
39	13-00814	4	Stud, M10 x 1.5 x 30 mm (42 mm LOA)	-
40	15-00804	4	Wave Washer M10	-
41	14-00818	4	Hex Nut, M10 x 1.5 S/S	-
42	28-25701	1	Strap, Air Inlet Connector Retaining	-
43	12-04406	2	Capscrew, Hex Head M5 x 0.8 x 12 mm	-
44	15-00027	2	Flat Washer M5	-
45	28-05701	1	Cover	-
46	6136-21-7811	1	Gasket	-
47	01435-21025	4	Capscrew, Hex Head Flanged M10 x 1.5 x 25 mm	-
48	01140-61025	2	Stud, M10 x 1.5 x 25 mm (32 mm LOA)	-
49	6140-61-6512	1	Drain Cock	-

Turbocharger & Mounting M6108QT-QA-T-A @ 1500 RPM

Early Production



A-5917, A-5918/ D-2339

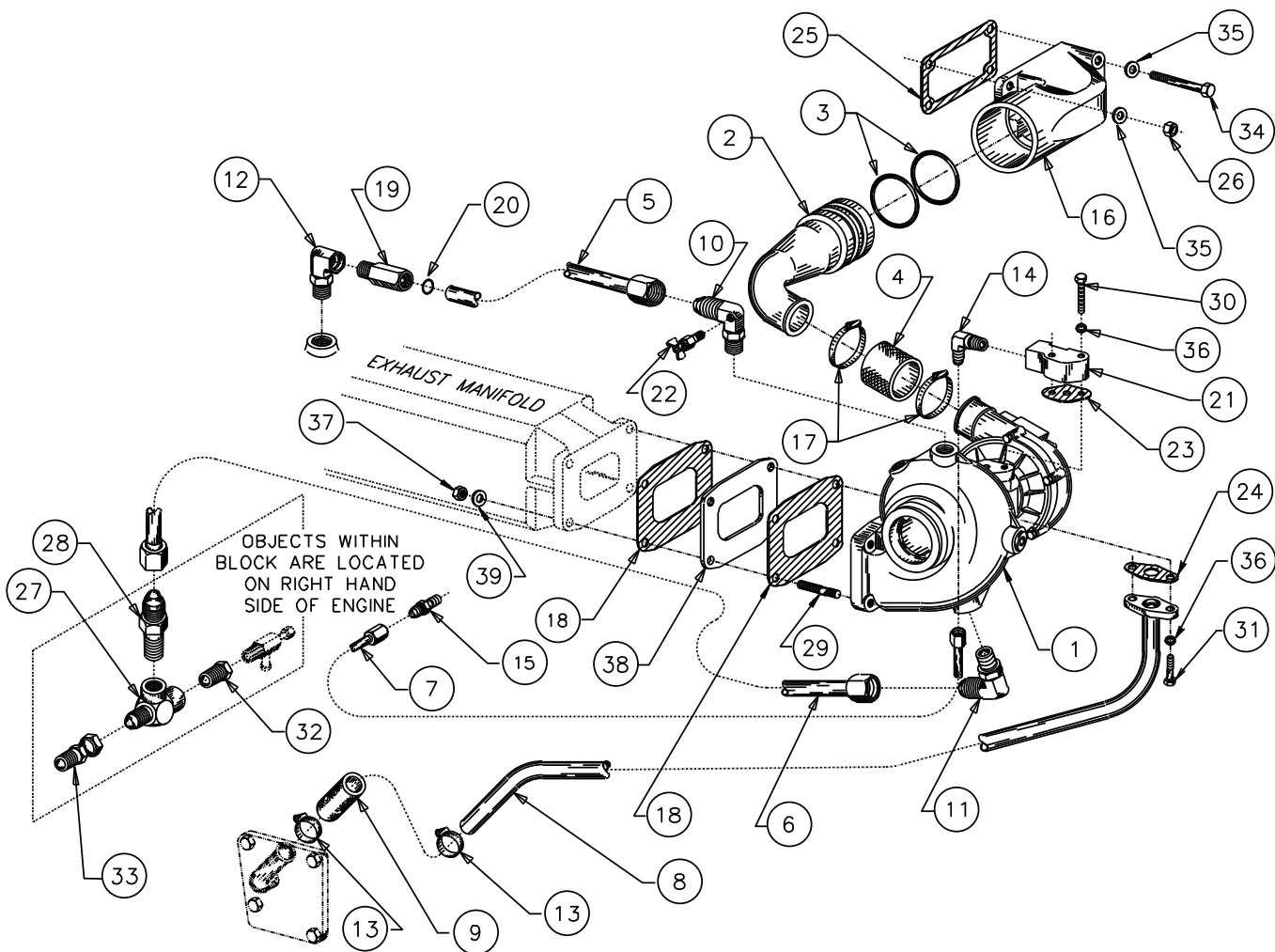
Turbocharger & Mounting M6108QT-QA-T-A @ 1500 RPM

Early Production

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-21400-1	1	Turbocharger, K26 for M6108QT-QA (ID Tag# 5326 970 60 90, see parts detail)	-
	30-31426-1	1	Turbocharger, K26 for M6108T-A @ 1500 RPM (ID Tag# 5326 970 64 93, see parts detail)	-
2	27-25701	1	Air Inlet Connector (without ring grooves)*	-
3	16-25702	2	O-Ring	-
4	18-21016	1	Hose 2" ID x 1-3/4"	-
5	27-15717	1	Tube Assembly, Turbo Coolant Return	-
6	27-15718	1	Tube Assembly, Turbo Coolant Supply	-
7	27-35712	1	Tube Assembly, Turbo Oil Supply	-
8	27-35713	1	Tube Assembly, Turbo Oil Return	-
9	18-05000	1	Hose, 7/8" ID x 2-3/4"	-
10	21-14817	1	Male Elbow 90°, Steel M22 x 1.5 x 3/4-37T, 1/8 NPT	-
11	21-14801	1	Male Elbow 90°, Steel M22 x 1.5 x 3/4-37T	-
12	21-03459	1	Female Elbow, 90°, 5/8 O-Ring Port x 1/2 NPT	-
13	19-00016	2	Hose Clamp #16	-
14	21-00606	1	Male Elbow 90°, Steel 3/8 NPT x 3/8-37T	-
15	21-05703	1	Male Connector, Steel 1/4 BSPT x 3/8-37T	-
16	10-25704	1	Connector, Air Inlet (with O-ring grooves)*	-
17	19-00032	2	Hose Clamp #32	-
18	11-35704	1	Gasket	-
19	R41285	1	Adapter, O-ring Seal x 1/2 NPT	-
20	16-01000	1	O-Ring 3/4" ID x 3/32"	-
21	R43928	1	Adapter	-
22	21-10001	1	Drain Cock, Brass 1/8 NPT	-
23	11-31012	1	Gasket	-
24	11-31031	1	Gasket	-
25	11-25701	1	Gasket, Inlet Connector Mounting (not shown)	-
26	14-00818	2	Hex Nut M10 x 1.5	-
27	31-15712	1	Street Tee, Steel, 5/8-37T x 1/2 NPT*	-
28	21-35002	1	Male Connector, Steel, 1/2 NPT x 3/4-37T	-
29	13-00814	4	Stud, M10 x 1.5 x 30 mm	-
30	12-00714	2	Capscrew, Hex Head M8 x 1.25 x 40 mm	-
31	12-00712	2	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
32	21-00134	1	Bushing, Brass 1/2 NPT x 3/8 NPT	-
33	21-15711	1	Female Connector, Steel 5/8-37T Swivel x 3/8 NPT*	-
34	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
35	15-00804	8	Wave Washer M10	-
36	15-00702	4	Lock Washer, Helical M8	-
37	14-00817	4	Hex Nut M10 x 1.5 S/S	-
*Note: Fittings listed at #27 & #33 supercede early production pieces and must be ordered together if replacement is required.				
**As required				

K26 Turbocharger & Mounting

M6108QT-QA @ 1200 RPM, M6108T-T2-A-A2 @ 1500 or 1800 RPM
All Late Production Models Non-Emissions Certified Through year 1999



A-5917, A-5918/ D-2729

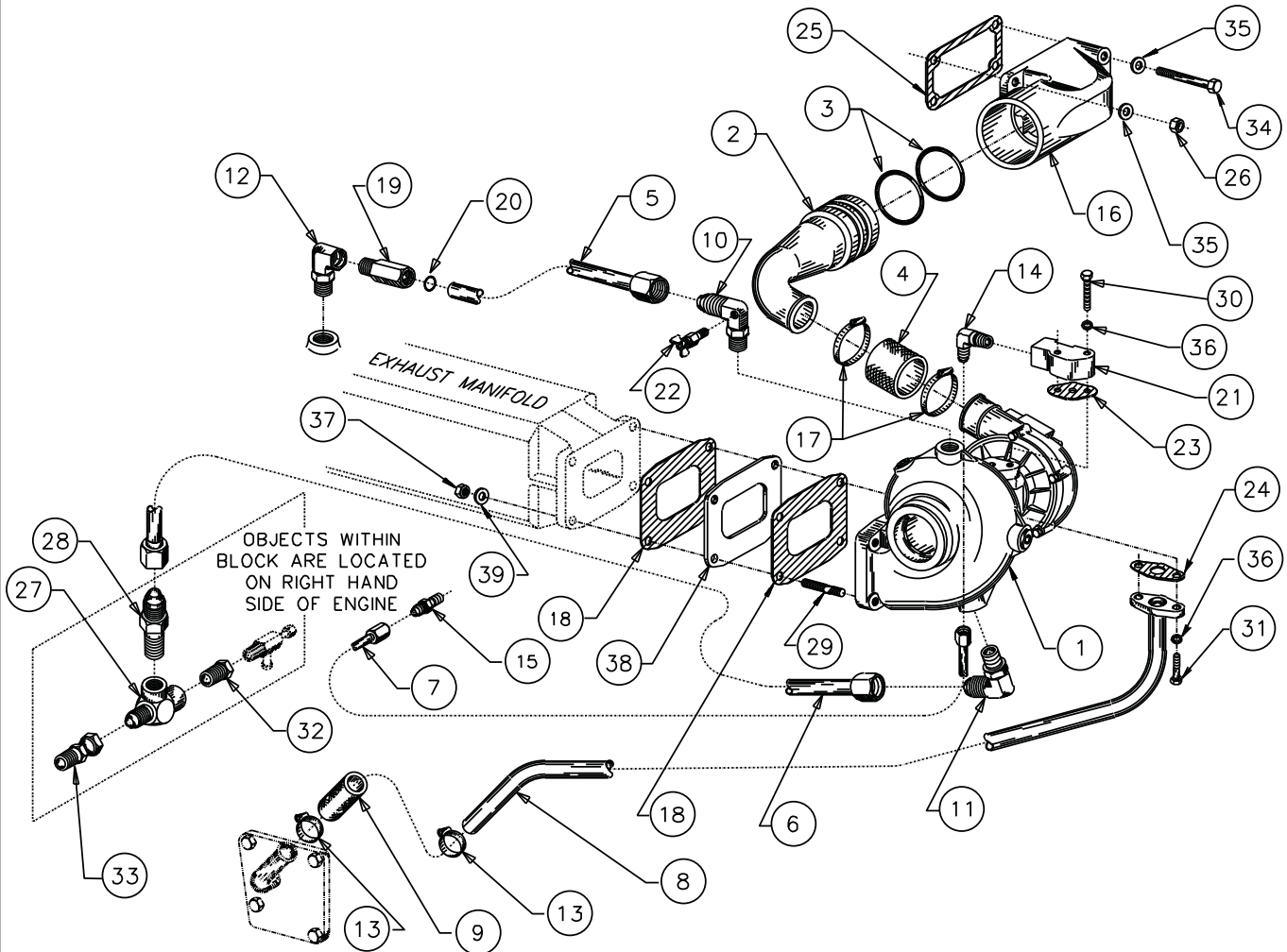
K26 Turbocharger & Mounting

M6108QT-QA @ 1200 RPM, M6108T-T2-A-A2 @ 1500 or 1800 RPM
All Late Production Models Non-Emissions Certified Through year 1999

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-21400-1	1	Turbocharger, K26 for M6108QT-QA (ID Tag# 5326 970 60 90, see parts detail)	-
	30-31426-1	1	Turbocharger, K26 for M6108T-A @ 1500 RPM (ID Tag# 5326 970 64 93, see parts detail)	-
2	10-25705	1	Air Inlet Connector (with ring grooves)	-
3	16-25701	2	O-Ring	-
4	18-21016	1	Hose 2" ID x 1-3/4"	-
5	27-15717	1	Tube Assembly, Turbo Coolant Return	-
6	27-15718	1	Tube Assembly, Turbo Coolant Supply	-
7	27-35712	1	Tube Assembly, Turbo Oil Supply	-
8	27-35713	1	Tube Assembly, Turbo Oil Return	-
9	18-05000	1	Hose, 7/8" ID x 2-3/4"	-
10	21-14817	1	Male Elbow 90°, Steel M22 x 1.5 x 3/4-37T, 1/8 NPT	-
11	21-14801	1	Male Elbow 90°, Steel M22 x 1.5 x 3/4-37T	-
12	21-03459	1	Female Elbow, 90°, 5/8 O-Ring Port x 1/2 NPT	-
13	19-00016	2	Hose Clamp #16	-
14	21-00606	1	Male Elbow 90°, Steel 3/8 NPT x 3/8-37T	-
15	21-05703	1	Male Connector, Steel 1/4 BSPT x 3/8-37T	-
16	10-25701	1	Connector, Air Inlet (without O-ring grooves)	-
17	19-00032	2	Hose Clamp #32	-
18	11-35704	**	Gasket	-
19	R41285	1	Adapter, O-ring Seal x 1/2 NPT	-
20	16-01000	1	O-Ring 3/4" ID x 3/32"	-
21	R43928	1	Adapter	-
22	21-10001	1	Drain Cock, Brass 1/8 NPT	-
23	11-31012	1	Gasket	-
24	11-31031	1	Gasket	-
25	11-25701	1	Gasket, Inlet Connector Mounting	-
26	14-00818	2	Hex Nut M10 x 1.5	-
27	31-15712	1	Street Tee, Steel, 5/8-37T x 1/2 NPT	-
28	21-35002	1	Male Connector, Steel, 1/2 NPT x 3/4-37T	-
29	13-34801	4	Stud, M10 x 1.5 x 35 mm (use with key #38)	-
	13-00814	4	Stud, M10 x 1.5 x 30 mm	-
30	12-00714	2	Capscrew, Hex Head M8 x 1.25 x 40 mm	-
31	12-00712	2	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
32	21-00134	1	Bushing, Brass 1/2 NPT x 3/8 NPT	-
33	21-15711	1	Female Connector, Steel 5/8-37T Swivel x 3/8 NPT	-
34	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
35	15-00804	8	Wave Washer M10	-
36	15-00702	4	Lock Washer, Helical M8	-
37	14-00817	4	Hex Nut M10 x 1.5 S/S	-
38	31-35706	**	Adapter, Turbo Mounting	-
			**As required	

Turbocharger & Mounting M6108T2-A2 @ 1500 RPM

All Models Emissions Certified from year 2000



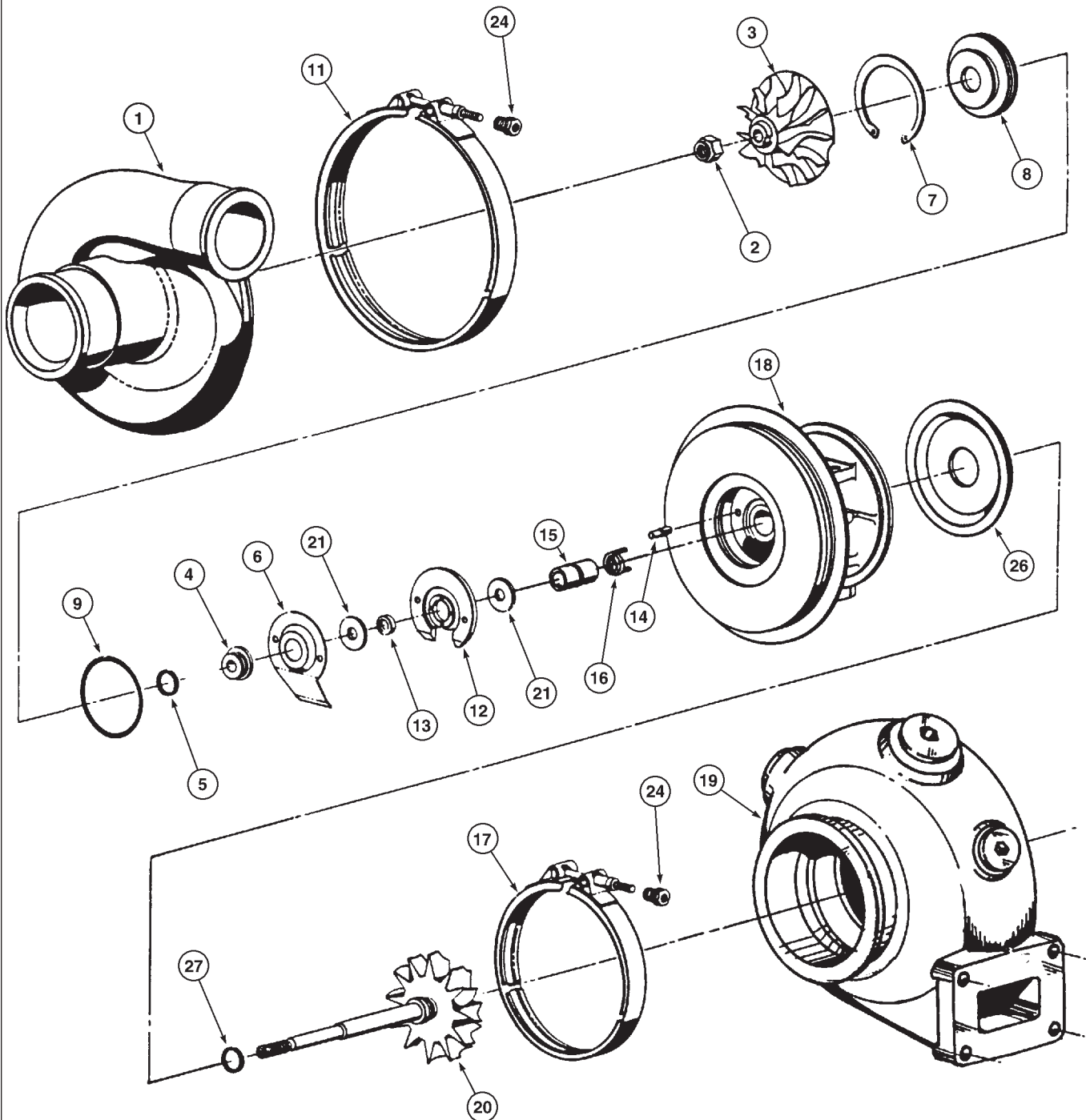
A-5917, A-5918/ D-2729

Turbocharger & Mounting M6108T2-A2 @ 1500 RPM

All Models Emissions Certified from year 2000

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	30-31426-1	1	Turbocharger, K26 (ID Tag# 5326 970 64 93, see parts detail)	-
2	10-25705	1	Air Inlet Connector (with ring grooves)	-
3	16-25701	2	O-Ring	-
4	18-21016	1	Hose 2" ID x 1-3/4"	-
5	27-15717	1	Tube Assembly, Turbo Coolant Return	-
6	27-15718	1	Tube Assembly, Turbo Coolant Supply	-
7	27-35712	1	Tube Assembly, Turbo Oil Supply	-
8	27-35713	1	Tube Assembly, Turbo Oil Return	-
9	18-05000	1	Hose, 7/8" ID x 2-3/4"	-
10	21-14817	1	Male Elbow 90°, Steel M22 x 1.5 x 3/4-37T, 1/8 NPT	-
11	21-14801	1	Male Elbow 90°, Steel M22 x 1.5 x 3/4-37T	-
12	21-03459	1	Female Elbow, 90°, 5/8 O-Ring Port x 1/2 NPT	-
13	19-00016	2	Hose Clamp #16	-
14	21-00606	1	Male Elbow 90°, Steel 3/8 NPT x 3/8-37T	-
15	21-05703	1	Male Connector, Steel 1/4 BSPT x 3/8-37T	-
16	10-25701	1	Connector, Air Inlet (without O-ring grooves)	-
17	19-00032	2	Hose Clamp #32	-
18	11-35704	2	Gasket	-
19	R41285	1	Adapter, O-ring Seal x 1/2 NPT	-
20	16-01000	1	O-Ring 3/4" ID x 3/32"	-
21	R43928	1	Adapter	-
22	21-10001	1	Drain Cock, Brass 1/8 NPT	-
23	11-31012	1	Gasket	-
24	11-31031	1	Gasket	-
25	11-25701	1	Gasket, Inlet Connector Mounting	-
26	14-00816	2	Hex Nut M10 x 1.5	-
27	31-15712	1	Street Tee, Steel, 5/8-37T x 1/2 NPT	-
28	21-35002	1	Male Connector, Steel, 1/2 NPT x 3/4-37T	-
29	13-34801	4	Stud, M10 x 1.5 x 35 mm	-
30	12-00714	2	Capscrew, Hex Head M8 x 1.25 x 40 mm	-
31	12-00712	2	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
32	21-00134	1	Bushing, Brass 1/2 NPT x 3/8 NPT	-
33	21-15711	1	Female Connector, Steel 5/8-37T Swivel x 3/8 NPT	-
34	12-00071	2	Capscrew, Hex Head M10 x 1.5 x 70 mm	-
35	15-00804	4	Wave Washer M10	-
36	15-00702	4	Lock Washer, Helical M8	-
37	14-00810	4	Hex Nut M10 x 1.5	-
38	31-35706	1	Adapter, Turbo Mounting	-
39	15-00803	4	Lock Washer, Hi-collar M10	-

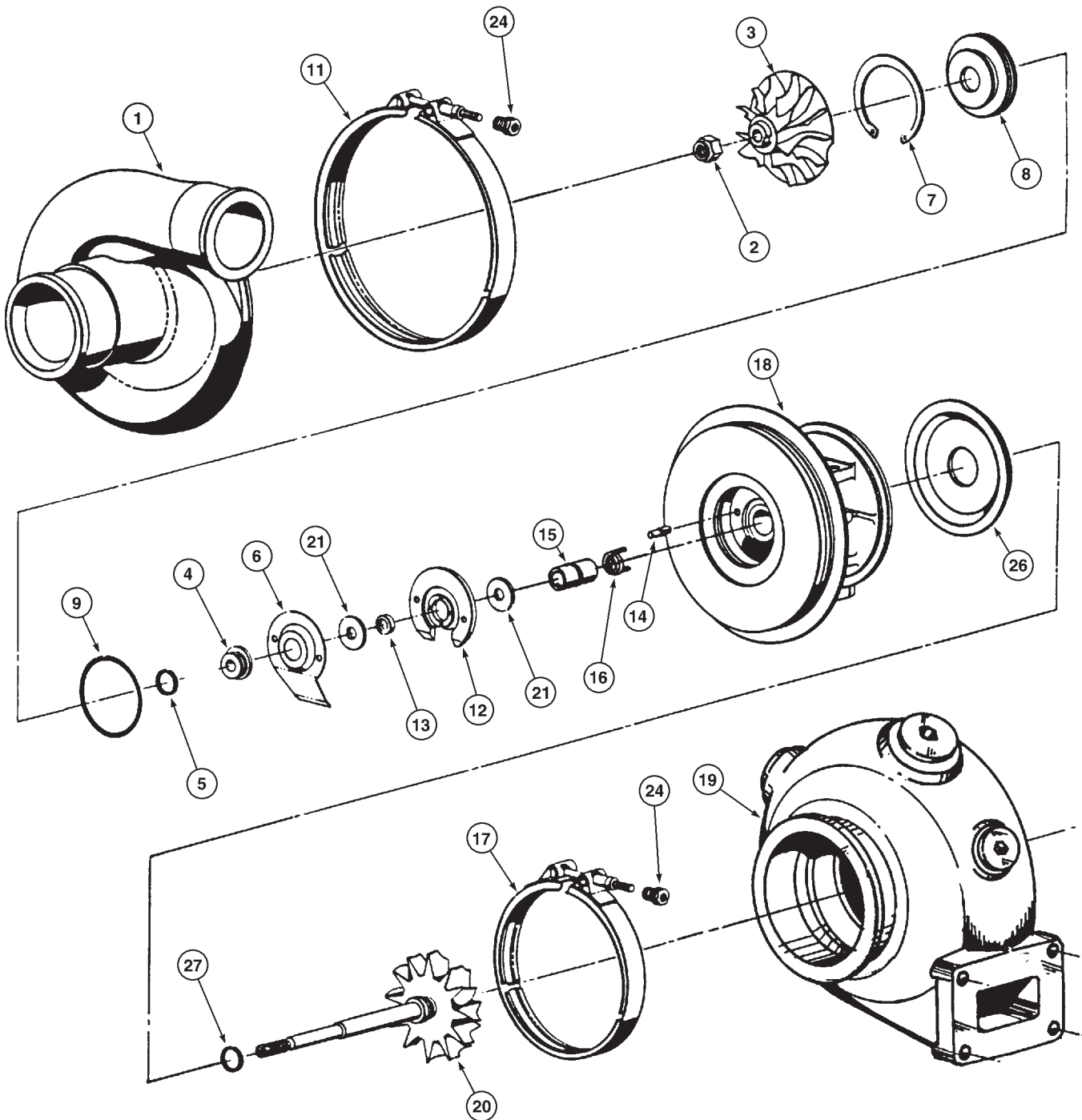
Borg-Warner/Schwitzer S3AW Turbocharger L6108A



Borg-Warner/Schwitzer S3AW Turbocharger L6108A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	30-35701	1	Turbocharger (ID Tag stamped S3AWO8O -includes all keys)	-
•	30-05721	1	Center Section Assembly (includes keys 2-9,12-16,18, 20, 21, 26 & 27)	-
•	30-05725	1	Repair Kit	-
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	-
10	30-05720	1	Filter Cup (not shown)	-
11	30-05708	1	V-Clamp	-
12	30-05709	1	Thrust Bearing	-
13	30-05710	1	Spacer Sleeve	-
14	30-00009	1	Pin	-
15	30-05711	1	Bearing	-
16	30-05712	1	Spring Clamp	-
17	30-05713	1	V-Clamp	-
18	30-05714	1	Bearing Housing Assembly (includes key 14)	-
19	30-05715	1	Turbine Housing Assembly (includes key 25)	-
20	30-05716	1	Shaft & Turbine Wheel Assembly	-
21	30-05717	2	Thrust Ring	-
22	30-00020	1	Rivet (not shown)	-
23	30-00015	1	Nameplate (not shown)	-
24	30-00016	1	Clamp Nut	-
25	30-04808	7	Expansion Plug (not shown)	-
26	30-05718	1	Turbine Backplate	-
27	30-05719	1	Piston Ring	-
29	30-05720	1	Filter Cup (not shown)	-

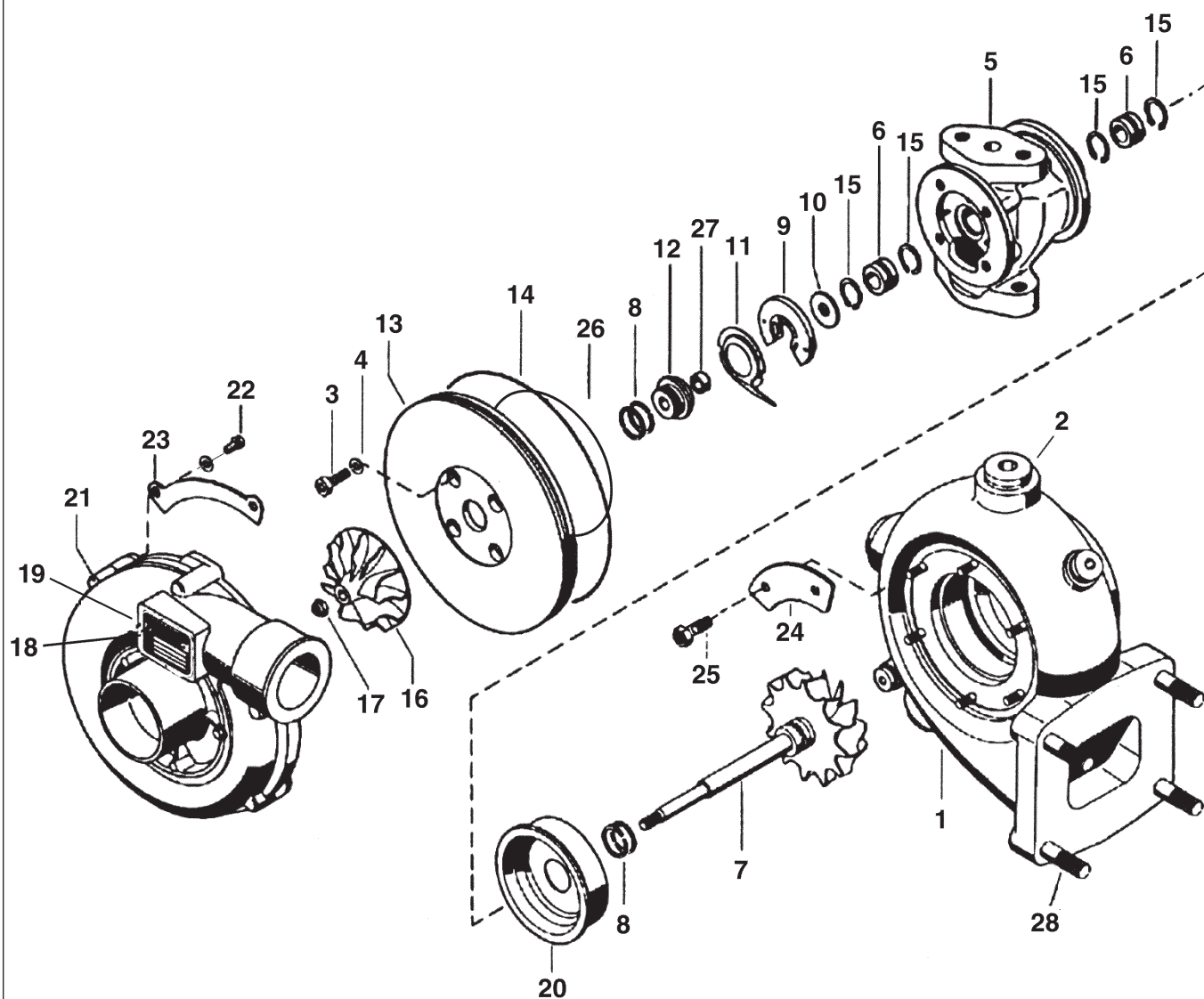
Borg-Warner/Schwitzer S3ALW Turbocharger L6108A2



Borg-Warner/Schwitzer S3ALW Turbocharger L6108A2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	30-35702	1	Turbocharger (ID Tag stamped S3ALW155 -includes all keys)	-
•	30-05725	1	Repair Kit	-
•	30-05729	1	Center Section Assembly (includes keys 2-10, 12-16,18,20, 21, 26 & 27)	-
1	30-05722	1	Compressor Cover	-
2	30-05728	1	Lock Nut	-
3	30-05723	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	30-05724	1	Compressor Insert	-
9	30-00006	1	O-Ring	-
10	30-05720	1	Filter Cup (not shown)	-
11	30-05708	1	V-Clamp	-
12	30-05709	1	Thrust Bearing	-
13	30-05710	1	Spacer Sleeve	-
14	30-00009	1	Pin	-
15	30-05711	1	Bearing	-
16	30-05712	1	Spring Clamp	-
17	30-05713	1	V-Clamp	-
18	30-05714	1	Bearing Housing Assembly (includes key 14)	-
19	30-05726	1	Turbine Housing Assembly (includes key 25)	-
20	30-05727	1	Shaft & Turbine Wheel Assembly	-
21	30-05717	2	Thrust Ring	-
22	30-00020	1	Rivet (not shown)	-
23	30-00015	1	Nameplate (not shown)	-
24	30-00016	1	Clamp Nut	-
25	30-04808	7	Expansion Plug (not shown)	-
26	30-05718	1	Turbine Backplate	-
27	30-05719	1	Piston Ring	-

K27 Turbocharger Assembly M6108

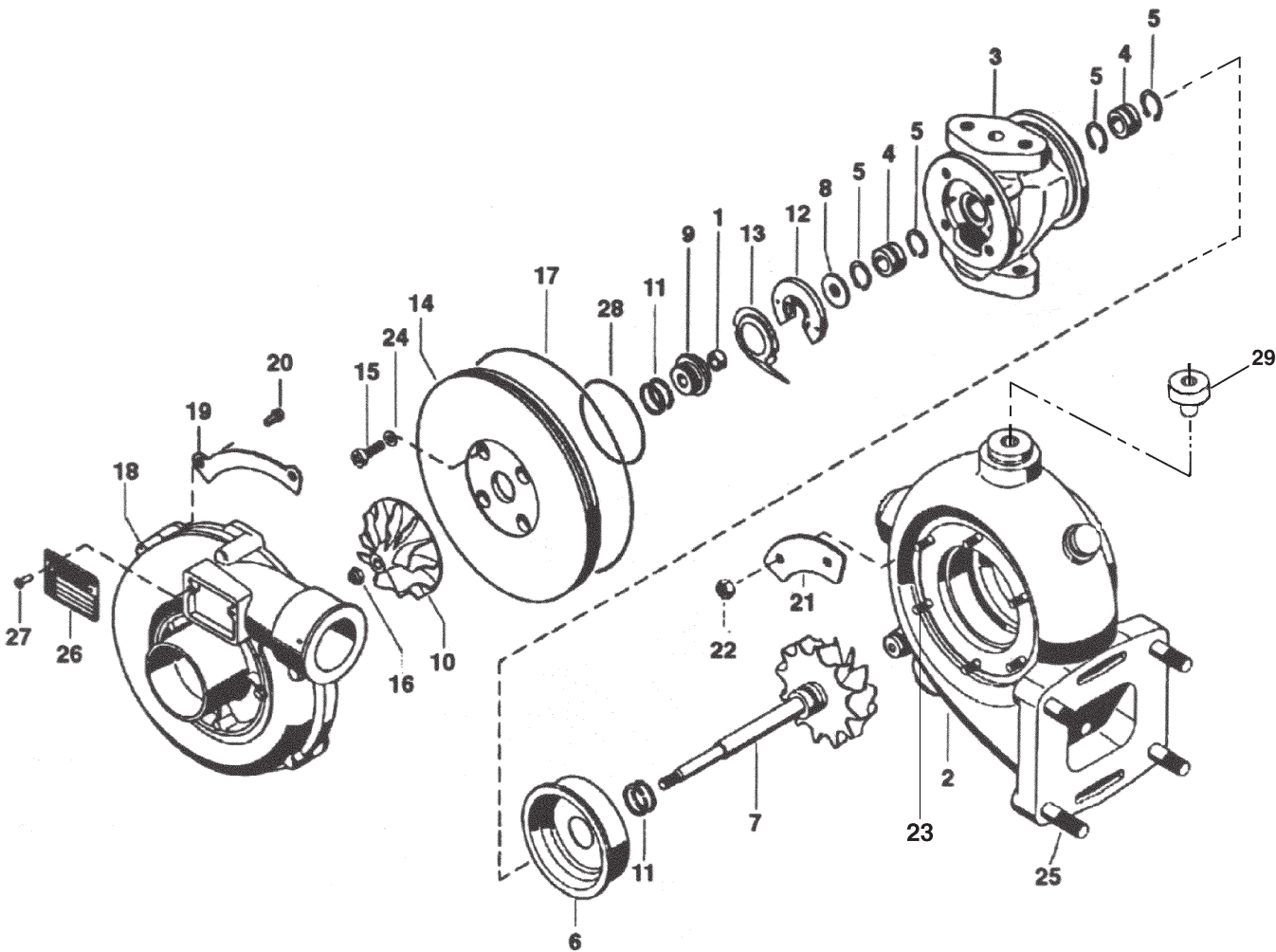


K27Turbo

K27 Turbocharger Assembly M6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	30-31627-1	1	Turbocharger Assembly (Includes all keys 1-27)	-
•	30-31630	1	Repair Kit (Includes keys 3, 4, 6, 8, 9, 11, 12, 14, 15, 17, 22-27)	-
•	30-00027	1	Cartridge Assembly	-
1	30-31628	1	Turbine Housing	-
2	30-31631	6	Plug, Socket Head, Steel, M22 x 1.5	-
3	30-31445	4	Cap Screw, 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, Self Tapping	-
20	30-31659	1	Heat Shield	-
21	30-31629	1	Compressor Housing	-
22	12-00030	8	Cap Screw, 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	-
28	13-00814	4	Stud, M10 x 1.5 x 30 mm	-

K26 Turbocharger Assembly M6108

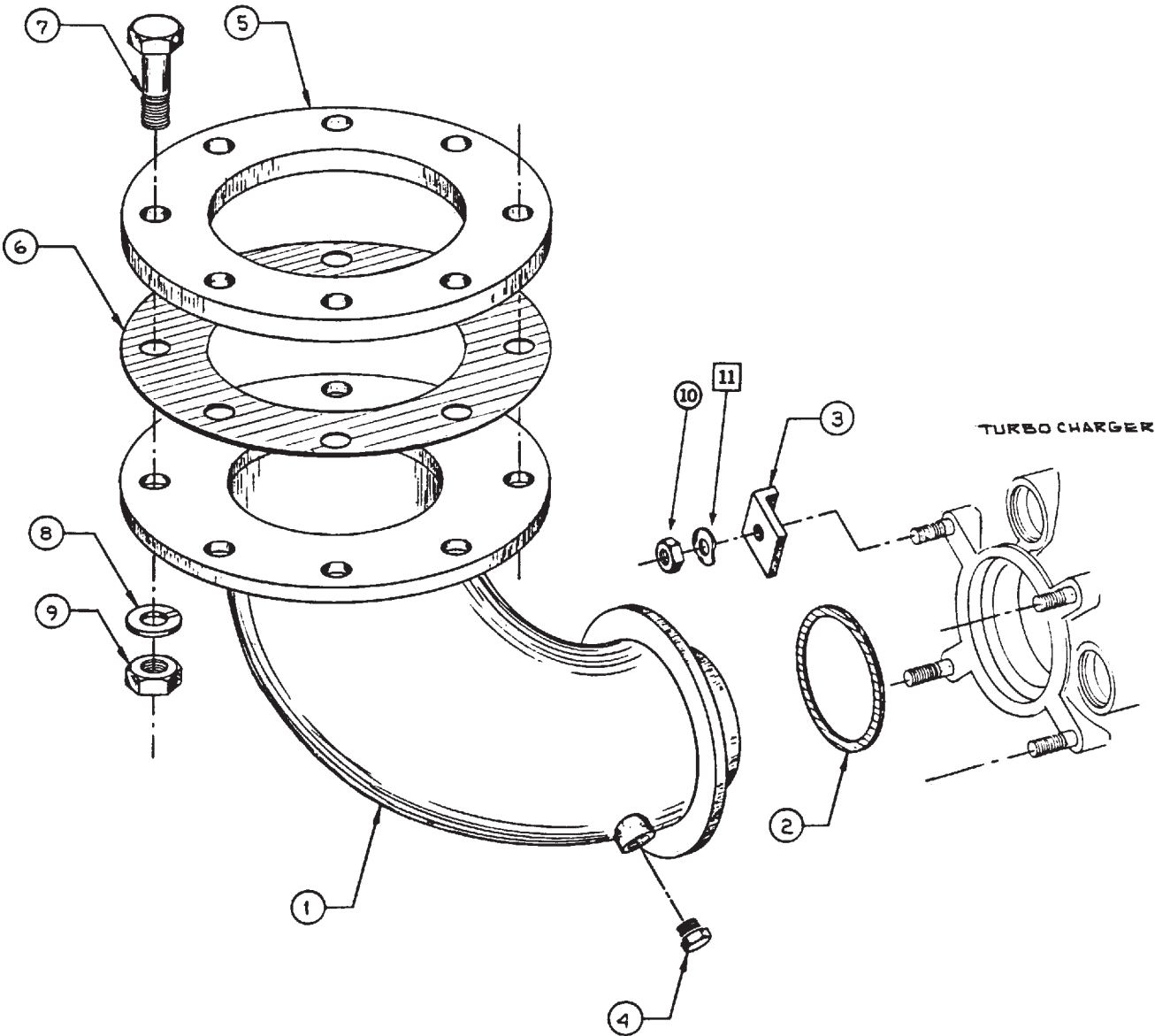


K26Turbo

K26 Turbocharger Assembly M6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	30-21400-1	1	Turbocharger Assembly (ID Tag #5326 970 60 90 - includes all keys)	-
••	30-31426-1	1	Turbocharger Assembly (ID Tag #5326 970 64 93 - includes all keys)	-
•	30-31430	1	Repair Kit (includes keys 4, 5, 11-17, 19-22, 24, and 28)	-
1	30-31429	1	Spacer Sleeve	-
2	30-31431	1	Turbine Housing	-
3	30-31433	1	Bearing Housing	-
4	30-31434	2	Bushing	-
5	30-31435	4	Snap Ring	-
6	30-31436	1	Heat Shield	-
7	30-31437	1	Shaft & Turbine Wheel Assembly	-
8	30-31438	1	Thrust Ring	-
9	30-31439	1	Flinger Sleeve	-
10	30-31440	1	Compressor Wheel (for Turbo 30-31426)	-
	30-21401	1	Compressor Wheel (for Turbo 30-21400)	-
11	30-31441	4	Piston Ring	-
12	30-31442	1	Thrust Bearing	-
13	30-31443	1	Oil Deflector	-
14	30-31444	1	Backing Plate	-
15	30-31445	4	Capscrew, Socket Head M6 x 1.0 x 16 mm, Grade 10.9	-
16	30-31446	1	Nut	-
17	30-31447	1	O-ring	-
18	30-31432	1	Compressor Housing (for Turbo 30-31426)	-
	30-21402	1	Compressor Housing (for Turbo 30-21400)	-
19	30-31448	3	Clamp Plate	-
20	12-00030	6	Capscrew, Socket Head M6 x 1.0 x 16 mm	-
21	30-31450	3	Clamp Plate	-
22	14-01131	6	Hex Nut M6 x 1.0	-
23	30-31452	6	Stud M6 x 1.0	-
24	30-31453	4	Lock Washer M6	-
25	13-00814	4	Stud M10 x 1.5 x 30 mm	-
26	30-31454	1	Plate	-
27	30-31455	2	Rivet	-
28	30-14828	1	O-ring	-
29	30-31631	2	Plug, Socket Head M22 x 1.5	-

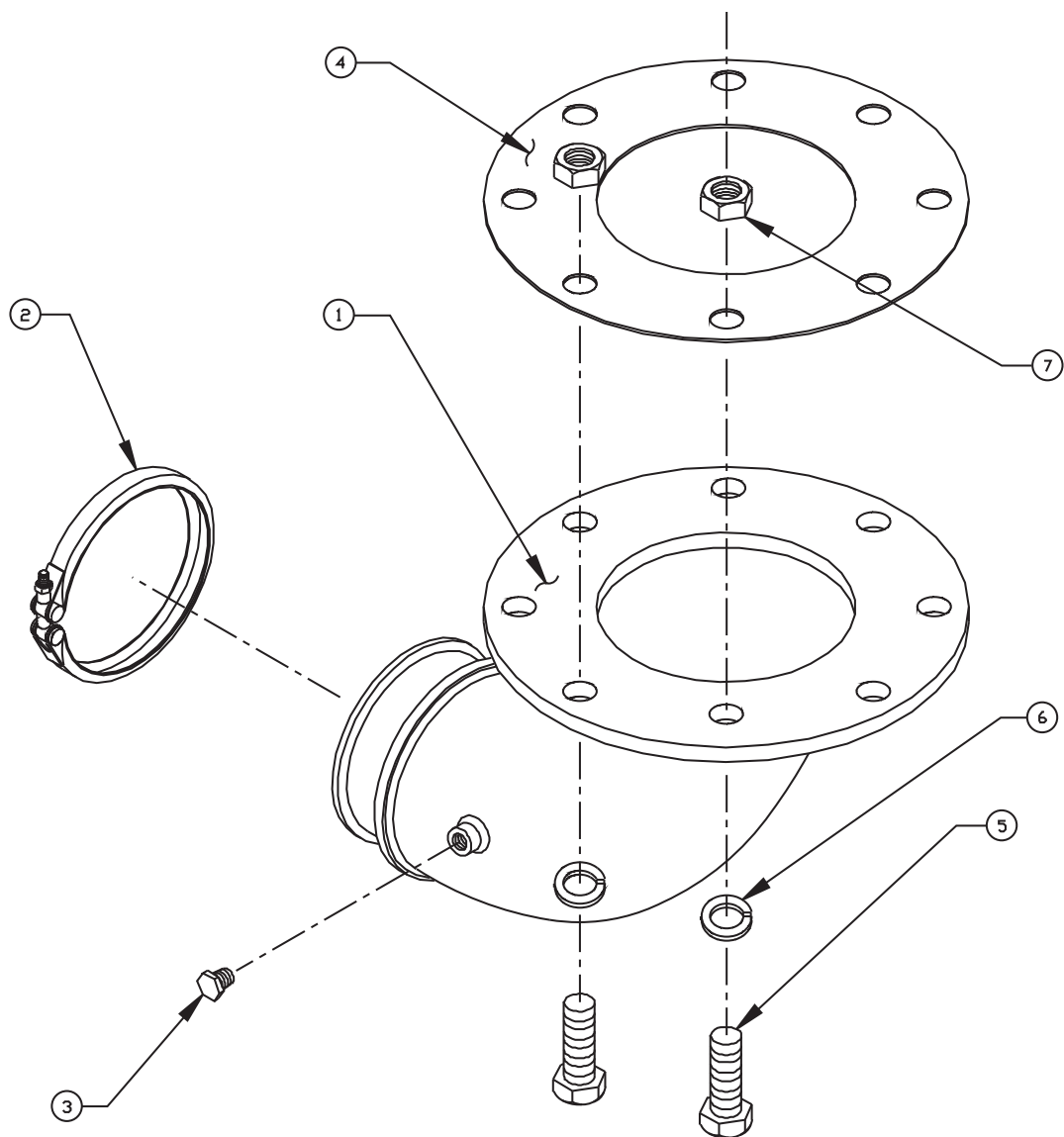
Dry Exhaust Elbow 5" L-LC6108A-A2 w/ S3AW or S3ALW Turbo



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	-
11	15-00804	4	Wave Washer M10	-

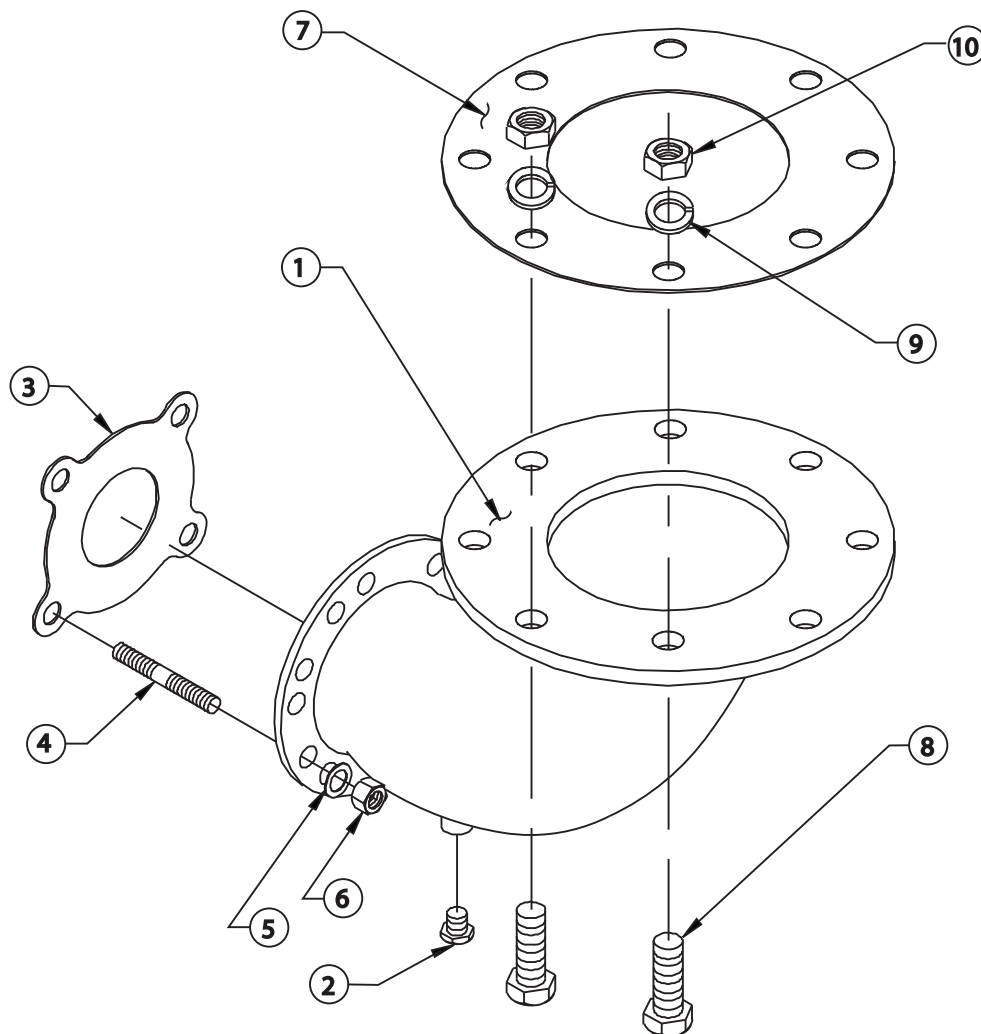
Dry Exhaust Elbow 5" L6108A2 w/ K31 Turbo



A-8785 / C-4245

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-35727	1	Dry Exhaust Elbow 5"	-
2	19-35701	1	V-Clamp	-
3	21-31624	1	Plug, Hex Head, Brass 1/4 NPT	-
4	11-31096	1	Gasket	-
5	12-01217	8	Capscrew, Hex Head 3/4-10 x 2-1/2"	-
6	15-01202	8	Lock Washer, Helical 3/4	-
7	14-01211	8	Hex Nut, 3/4-10	-

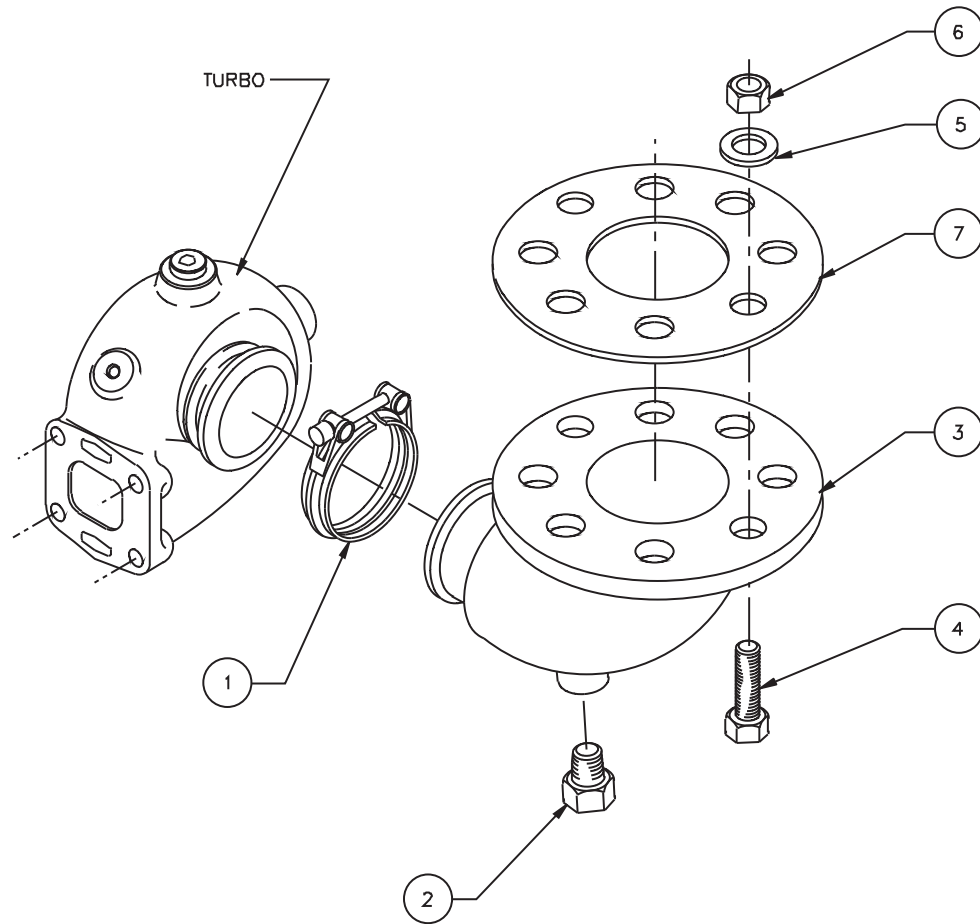
4" Dry Exhaust Elbow M6108T2-A2 with K27 Turbo



A-1102C/ B-2614B

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-32511	1	Dry Exhaust Elbow 4"	-
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	-

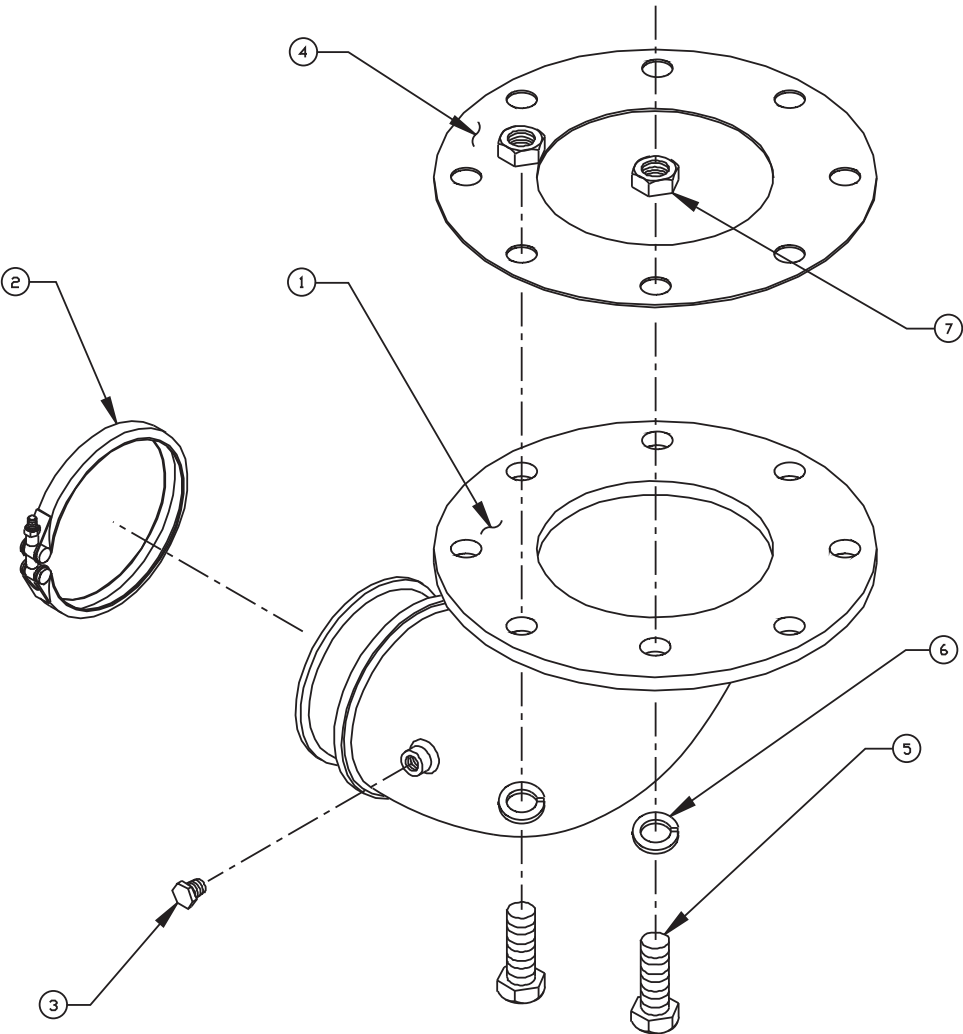
Dry Exhaust Elbow M6108T-T2-QT-QA with K26 Turbo



A-6410 & A-6417/ B-4638

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	19-31401	1	V-Clamp	-
2	21-31002	1	Plug, 3/8 NPT	-
3	27-35706	1	Dry Exhaust Elbow 4" x 6-1/2"	-
	27-35716	1	Dry Exhaust Elbow 4" x 18-3/8" (used with sound enclosure)	-
4	12-00916	8	Capscrew, Hex Head 5/8-11 x 2"	-
5	15-00902	8	Lock Washer 5/8	-
6	14-00911	8	Hex Nut 5/8-11	-
7	11-31099	1	Gasket	-
8	00-30017	**	Lagging, Upper Half*	-
9	00-30018	**	Lagging, Lower Half*	-
*Used with Elbow 27-35716, not shown				
**As required				

Dry Exhaust Elbow 5" L6108A2 with K31 Turbo

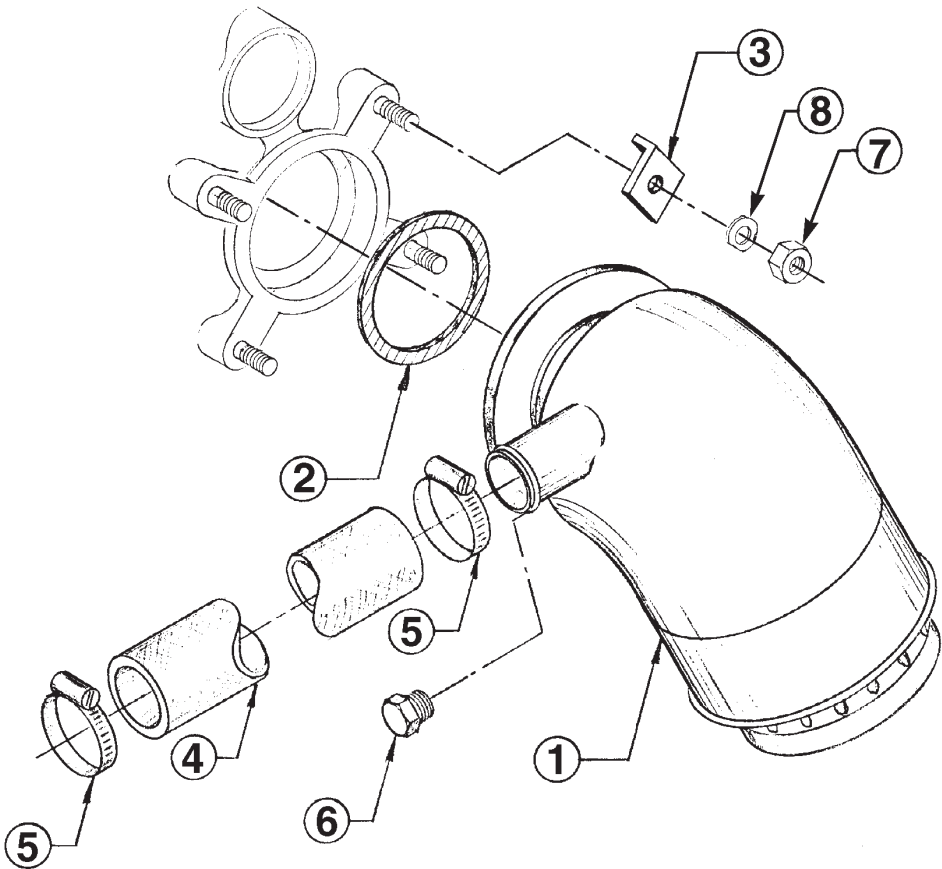


A-8785/ C-4245

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-35727	1	Dry Exhaust Elbow 5"	-
2	19-35701	1	V-Clamp	-
3	21-31624	1	Plug, Hex Head, Brass, 1/4 NPT	-
4	11-31096	1	Gasket, Exhaust 5" Flange	-
5	12-01217	8	Capscrew, Hex Head 3/4-10 x 2-1/2"	-
6	15-01202	8	Lock Washer, Helical 3/4	-
7	14-01211	4	Hex Nut 3/4-10	-

Wet Exhaust Elbow 6" (Stainless Steel) L-LC6108A-A2

With S3AW or S3ALW Turbo

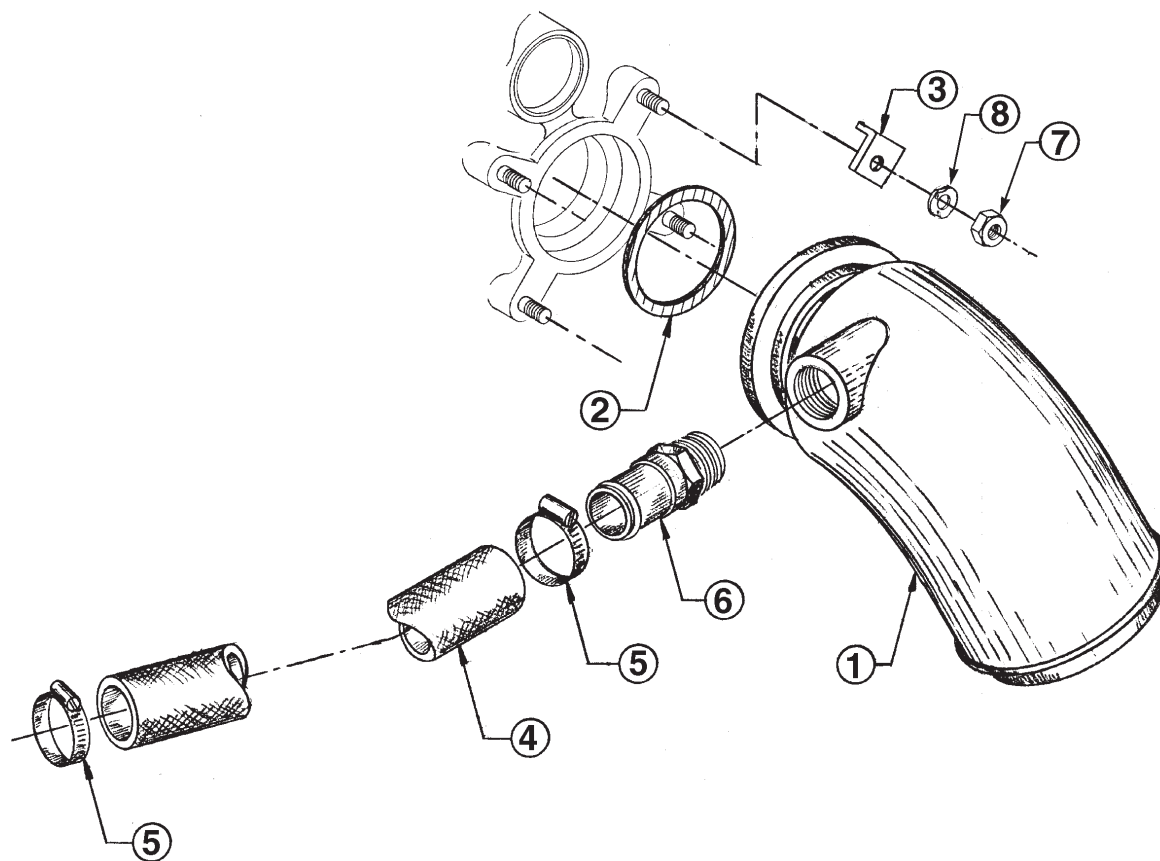


A-5280/ B-4091

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-35701	1	Wet Exhaust Elbow 6"	-
2	11-35703	1	Gasket	-
3	00-30005	4	Mounting Clip	-
4	18-25703	1	Hose, 1 5/8" ID X 18"	-
5	19-00024	2	Hose Clamp	-
6	21-10003	1	Hex Plug, Steel 1/4 NPT	-
7	14-00817	4	Hex Nut M10 x 1.5 Stainless Steel	-
8	15-00804	4	Wave Washer M10	-

Wet Exhaust Elbow 6" (Cast Iron) L-LC6108A-A2

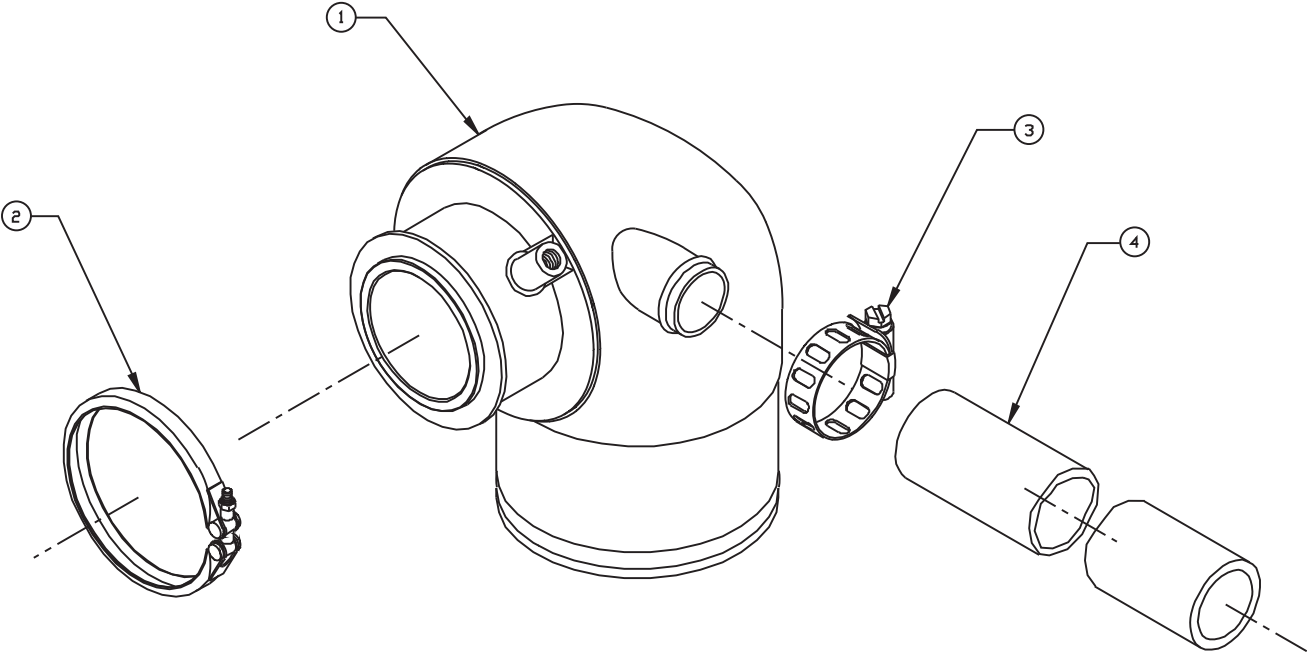
With S3AW or S3ALW Turbo



A-5451 / B-4153

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-35704	1	Wet Exhaust Elbow 6"	-
2	11-35703	1	Gasket	-
3	00-35700	4	Mounting Clip	-
4	18-25703	1	Hose, 1-5/8" X 18"	-
5	19-00024	2	Hose Clamp #24	-
6	21-15706	1	Connector, 1-1/4 NPT x 1-5/8 HB	-
7	14-00817	4	Hex Nut M10 x 1.5 Stainless Steel	-
8	15-00804	4	Wave Washer M10	-

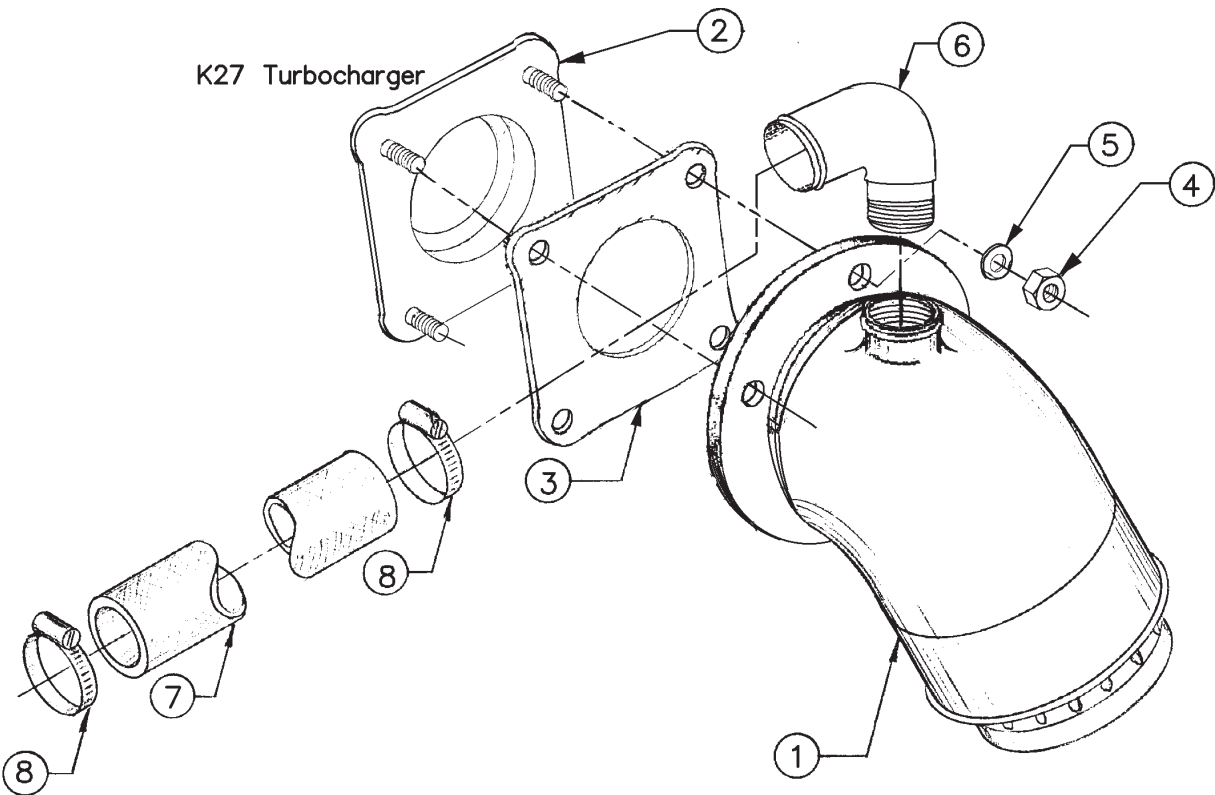
Wet Exhaust Elbow 6" L6108A2 with K31 Turbo



A-8786 / C-4240

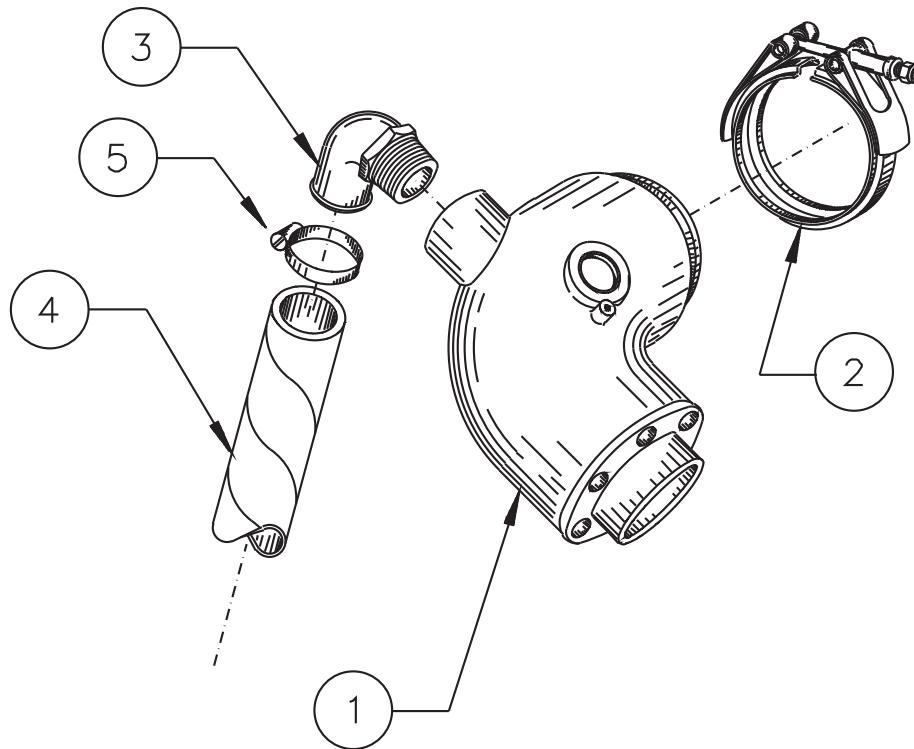
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-35728	1	Wet Exhaust Elbow 6" (0° - 15° Installation Angle)	-
	27-35732	1	Wet Exhaust Elbow 6" (15° - 75° Installation Angle)	-
2	19-35701	1	V-Clamp	-
3	18-25703	1	Hose, 1-5/8" ID x 18"	-
4	19-00024	2	Hose Clamp #24	-

Wet Exhaust Elbow 5" M6108T2-A2 with K27 Turbo



A-6569 / B-6678

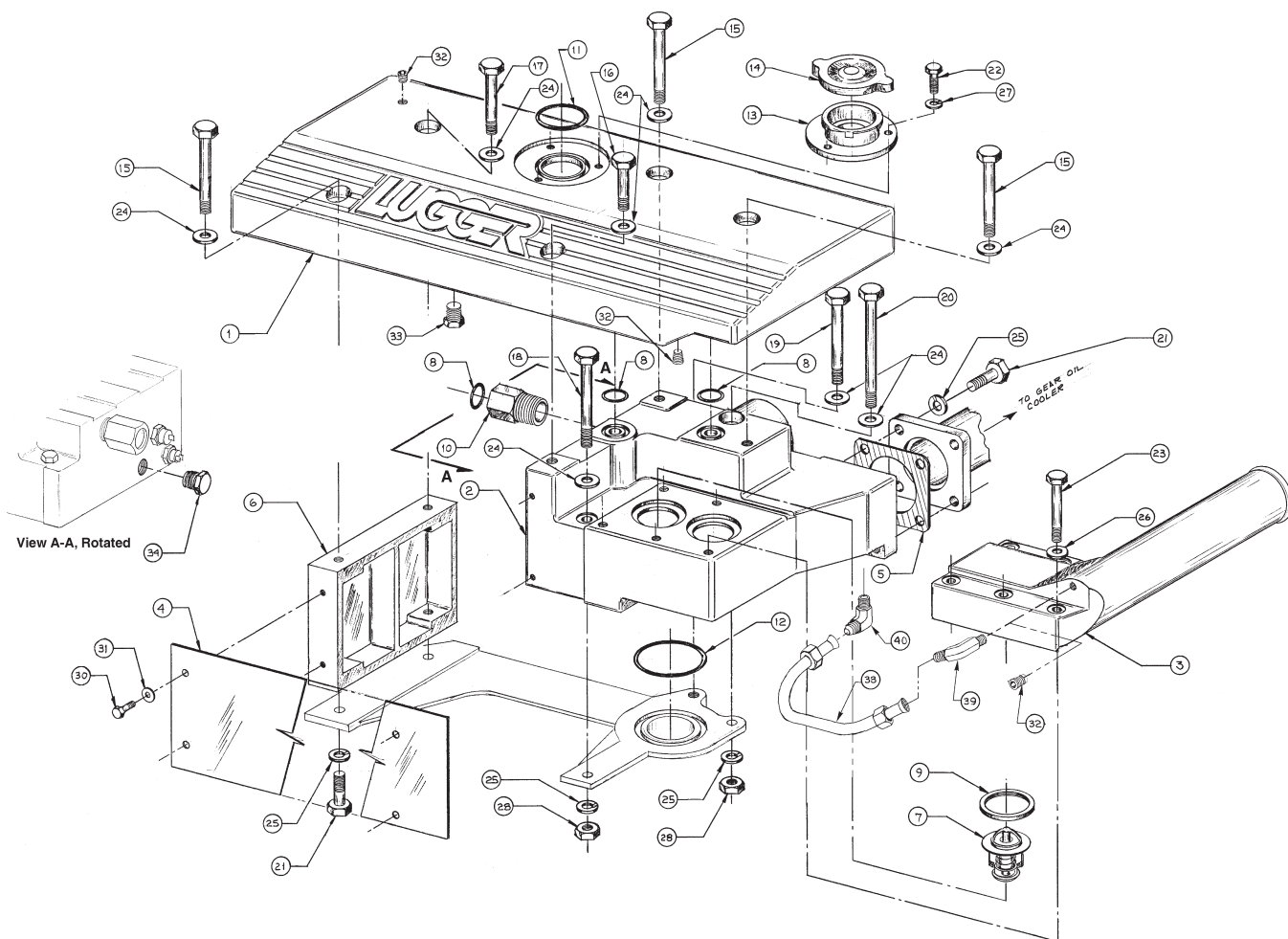
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-31605	1	Wet Exhaust Elbow 5" S/S (0° - 15° Installation Angle)	-
	27-30031	1	Wet Exhaust Elbow 5" S/S (15° - 75° Installation Angle)	-
2	13-00814	4	Stud, M10 x 1.5 x 30 mm (42 mm LOA)	-
3	11-31635	1	Gasket	-
4	14-00817	4	Hex Nut, M10 x 1.5 S/S	-
5	15-00804	4	Wave Washer, M10	-
6	21-31015	1	Male Elbow, 90°, Copper 1-1/4 NPT x 1-5/8" Hose Barb	-
7	18-44800	1	Hose, 1-5/8" ID x 24" Wire Reinforced	-
8	19-00024	2	Hose Clamp #24	-

Wet Exhaust Elbow 4" & 5" M6108T-T2-QT-QA-A2 w/ K26 Turbo


A-6566 & A-6567 / B-2918

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-31412	1	Wet Exhaust Elbow 4"	-
	27-35721	1	Wet Exhaust Elbow 5" *	-
2	19-31401	1	V-Clamp	-
3	21-31005	1	Male Elbow 90°, Copper 1" NPT x 1-5/8" Hose Barb (used with 4" Exhaust Elbow)	-
	21-31015	1	Male Elbow 90°, Copper 1-1/4" NPT x 1-5/8" Hose Barb (used with 5" Exhaust Elbow)	-
4	18-04801	1	Hose, 1-5/8" ID x 23"	-
5	19-00024	2	Hose Clamp #24	-
*Note: Replaces former Exhaust Elbow #27-31612 & Adapter #31-35704.				

Expansion Tank & Thermostat Housing L-M6108



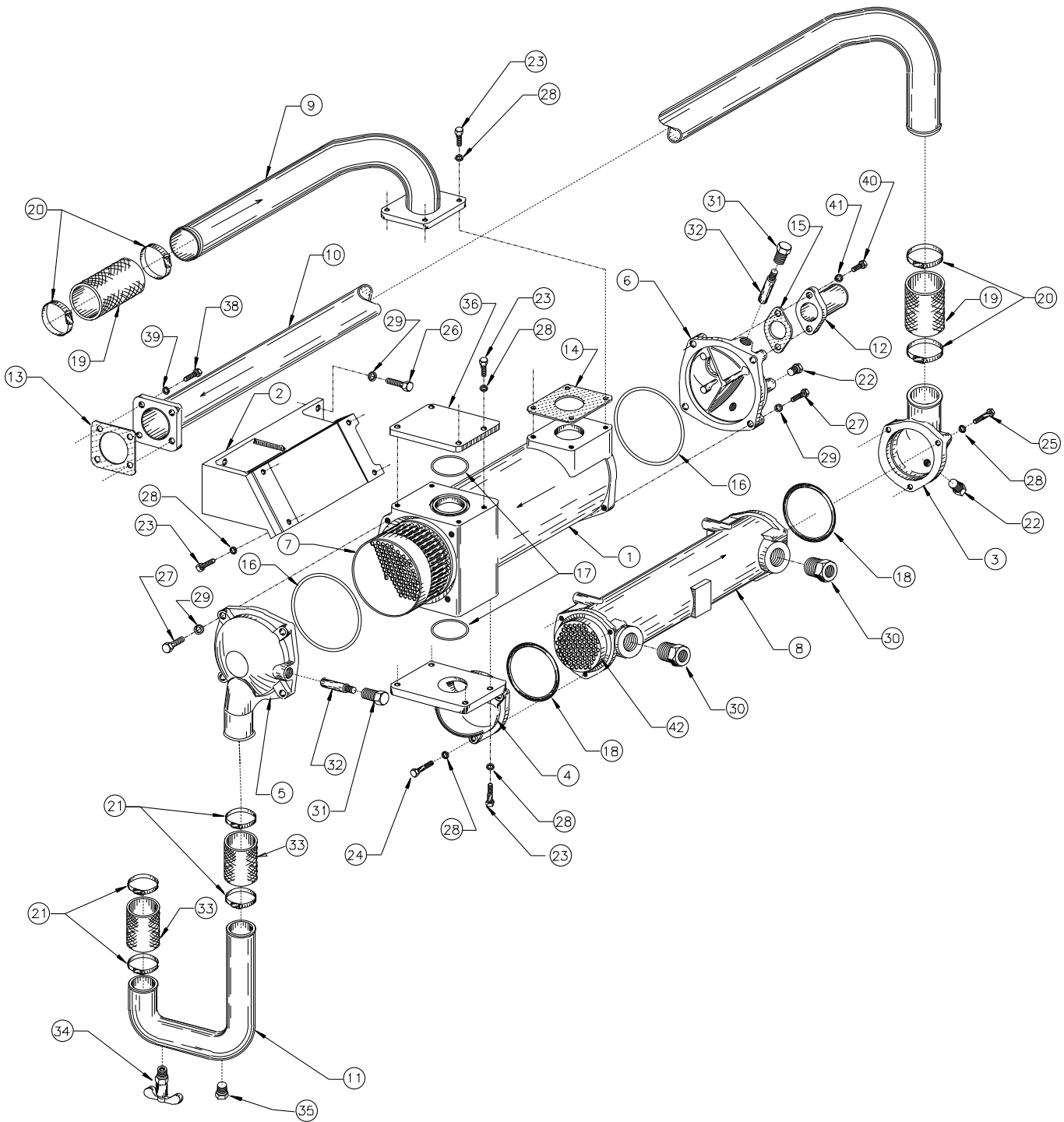
A-5588, A-6836, A-5205D / D-2183D

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-15702	1	Expansion Tank	-
2	10-15701	1	Thermostat Housing	-
3	20-15701	1	Thermostat Cover/ Coolant Outlet	-
4	28-15703	1	Cover Plate (Aluminum)	from S/N xxxx-0970
	00-75702	1	Cover Plate (Steel)	up to S/N xxxx-0969
5	11-15703	1	Gasket	-
6	23-15704	1	Expansion Tank Support (Aluminum)	from S/N xxxx-0970
	23-15701	1	Expansion Tank Support (Steel)	up to S/N xxxx-0969
7	35-15702	1	Thermostat 82°C/ 180°F (see Application Note)	-
	35-15701	1	Thermostat 76°C/ 170°F (see Application Note)	-
	35-10002	1	Thermostat 82°C/ 180°C (see Application Note)	-

Expansion Tank & Thermostat Housing L-M6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
8	16-15004	3	O-Ring	-
9	11-10015	2	Seal Ring	-
10	21-15701	1	Connector	-
11	16-14804	1	O-Ring	-
12	16-15701	1	O-Ring	-
13	10-14811	1	Filler Neck Assembly	-
14	21-10007	1	Filler Cap 7 lbs.	-
15	12-00819	3	Capscrew, Hex Head M10 x 1.5 x 75 mm	-
16	12-00048	1	Capscrew, Hex Head M10 x 1.5 x 60 mm	-
17	12-00049	1	Capscrew, Hex Head M10 x 1.5 x 80 mm	-
18	12-00070	1	Capscrew, Hex Head M10 x 1.5 x 100 mm	-
19	12-00088	1	Capscrew, Hex Head M10 x 1.5 x 95 mm	-
20	12-00834	1	Capscrew, Hex Head M10 x 1.5 x 135 mm	-
21	12-00832	6	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
22	12-00751	3	Capscrew, Hex Head M8 x 1.25 x 16 mm	-
23	12-00715	5	Capscrew, Hex Head M8 x 1.25 x 50 mm	-
24	15-00805	8	Flat Washer M10	-
25	15-00802	8	Lock Washer M10	-
26	15-00701	5	Flat Washer M8	-
27	15-00702	3	Lock Washer M8	-
28	14-00811	2	Hex Nut M10 x 1.5 (Aluminum Support)	-
	14-00811	6	Hex Nut M10 x 1.5 (Steel Support)	-
29	18-14804	1	Hose, PVC 3/8" ID x 42"	-
30	12-00030	4	Capscrew, Hex Head M6 x 1.0 x 15 mm (Aluminum Cover)	-
	12-00030	2	Capscrew, Hex Head M6 x 1.0 x 15 mm (Steel Cover)	-
	12-00751	2	Capscrew, Hex Head M8 x 1.25 x 16 mm (Steel Cover)	-
31	15-00008	4	Flat Washer, M6 (Aluminum Cover)	-
	15-00008	2	Flat Washer, M6 (Steel Cover)	-
	15-00701	2	Flat Washer, M8 (Steel Cover)	-
32	21-00027	**	Plug, Socket Head 1/8 NPT	-
33	21-31624	1	Plug, Hex Head 1/4 NPT	-
34	21-00530	1	Plug, Hex Head, Brass 1/2 NPT	-
35	17-15701	**	Expansion Plug, Stainless Steel, 2" Shallow Cup (not shown)	-
36	17-10054	**	Expansion Plug, Brass, 1-1/4" Shallow Cup (not shown)	-
37	21-71053	1	Male Elbow, 90° Steel 1/8 NPT x 1/4-37T *	-
38	27-15720	1	Vent Tube Assembly *	-
39	21-15710	1	Male Elbow 90° Steel, Long 1/8 NPT x 1/4-37T *	-
40	21-71053	1	Male Elbow 90° Steel, 1/8 NPT x 1/4-37T *	-
			Exchanger parts detail)	
			**As required.	
			*Formerly on Keel Cooled Units only - now all applications.	
			Thermostat Applications:	
			L6108A2 & M6108T2-A2; All now use 1 ea. 35-15701 and 1 ea. 35-15702.	
			L6108A & M6108T-A-QA; All now use 1 ea. 35-15701 and 1 ea. 35-10002.	
			Both thermostats must be replaced (when required) to assure proper application to models listed.	

Heat Exchanger & Gear Cooler L6108

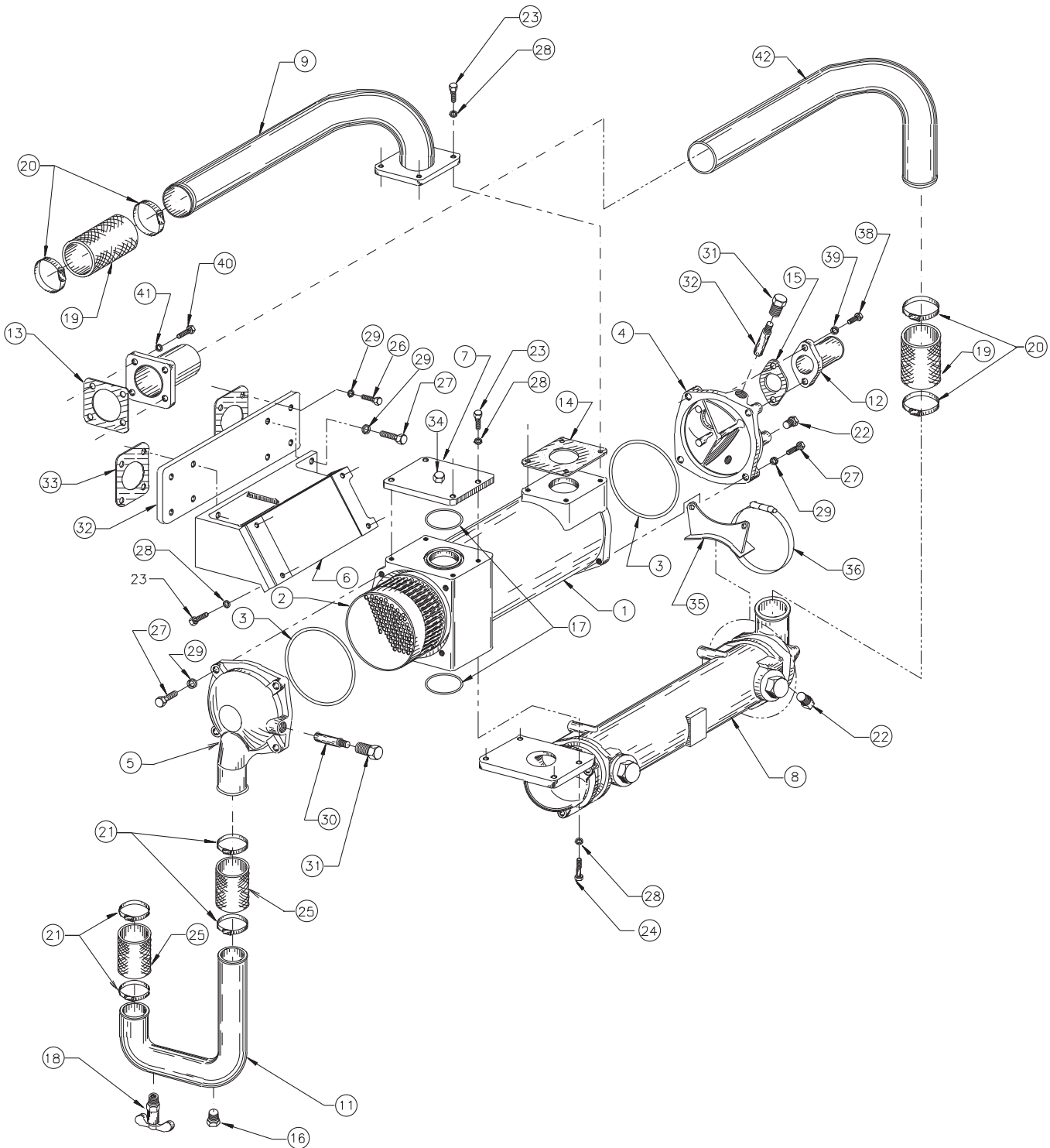


A-5256 / D-2751

Heat Exchanger & Gear Cooler L6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-15704	1	Housing*	-
2	23-15702	1	Bracket	-
3	20-15702	1	End Cover	-
4	20-15704	1	Connector	-
5	20-15705	1	End Cover (includes keys #31 & 32)	-
6	20-15709	1	End Cover (includes keys #22, 31, & 32)	-
7	20-14813	1	Heat Exchanger Element	-
••	20-15703	1	Gear Oil Cooler Assembly (includes keys #8, 18, & 42)	-
8	10-05701	1	Housing	-
9	27-15703	1	Tube	-
10	27-15704	1	Tube	-
11	27-15712	1	Tube	-
12	21-15703	1	Connector	-
13	11-15703	1	Gasket	-
14	11-15701	1	Gasket	-
15	11-14804	1	Gasket	-
16	16-14802	2	O-Ring	-
17	16-13101	2	O-Ring*	-
18	16-15703	2	O-Ring	-
19	18-15702	2	Hose 2-3/8" ID x 3"	-
20	19-00040	4	Hose Clamp #40	-
21	19-00028	4	Hose Clamp #28	-
22	21-31624	3	Hex Plug 1/4 NPT	-
23	12-00712	16	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
24	12-00753	3	Capscrew, Hex Head M8 x 1.25 x 30 mm*	-
25	12-00713	3	Capscrew, Hex Head M8 x 1.25 x 35 mm	-
26	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
27	12-00832	8	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
28	15-00702	22	Lock Washer, Helical M8*	-
29	15-00804	12	Wave Washer, M10	-
30	21-15704	2	Adapter, 1" NPT x 1/2 NPT	-
31	21-10000	2	Zinc Plug	-
32	21-10010	2	Zinc*	-
33	18-21018	2	Hose, 2" ID x 3-1/2" Silicone	-
34	21-10021	1	Drain Cock 3/8 NPT	-
35	21-31003	1	Hex Plug 3/8 NPT	-
36	28-15704	1	Plate*	-
37	20-15706	1	Gear Oil Cooler Element	-
38	12-34803	4	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
39	15-00803	4	Lock Washer, Hi-collar M10	-
40	12-34805	2	Capscrew, Socket Head M10 x 1.5 x 25 mm S/S	-
41	15-00801	2	Lock Washer, Hi-collar M10 S/S	-
42	20-15706	1	Gear Oil Cooler Element (included with gear oil cooler assembly)	-
* NOTE: Several early production units have zincs installed in #11 tube. See raw water pump and mounting. Revised Heat Exchanger Housing requires new plate #36, additional O-Ring #17 and fasteners #23 & #28 when replacement is required. Quantities listed are for revised housing.				

Heat Exchanger & Gear Cooler (One Piece) L6108

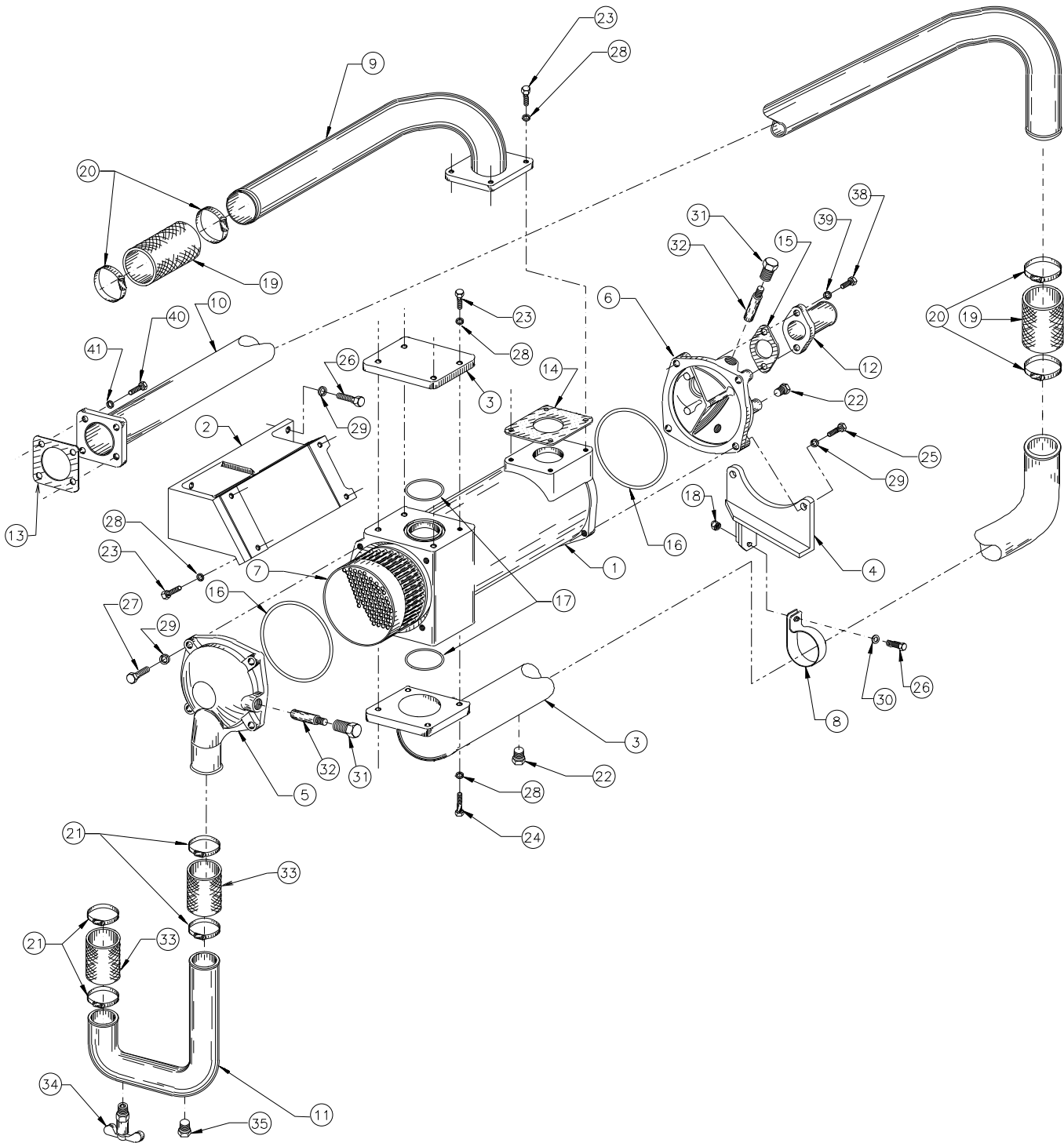


A-7338 / D-3427

Heat Exchanger & Gear Cooler (One Piece) L6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-15704	1	Housing*	-
2	20-14813	1	Heat Exchanger Element	-
3	16-14802	1	O-Ring, 5-3/4" ID x 1/4"	-
4	20-15709	1	End Cover (includes keys #22, 31, & 32)	-
5	20-15705	1	End Cover (includes keys #31 & 32)	-
6	23-15711	1	Bracket, Heat Exchanger Support	-
7	28-15704	1	Plate, Heat Exchanger Cover	-
8	20-65702	1	Gear Oil Cooler (One piece unit)	-
9	27-15703	1	Tube	-
10	27-15733	1	Tube, Thermostat Housing Inlet	-
11	27-15712	1	Tube	-
12	21-15703	1	Connector	-
13	11-15703	1	Gasket	-
14	11-15701	1	Gasket	-
15	11-14804	1	Gasket	-
16	21-31003	1	Plug, Hex Head, Brass 3/8 NPT	-
17	16-13101	2	O-Ring	-
18	21-10021	1	Drain Cock, Brass 3/8 NPT	-
19	18-15702	3	Hose 2-3/8" ID x 3"	-
20	19-00040	6	Hose Clamp #40	-
21	19-00028	4	Hose Clamp #28	-
22	21-31624	3	Hex Plug 1/4 NPT	-
23	12-00712	12	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
24	12-00753	4	Capscrew, Hex Head M8 x 1.25 x 30 mm	-
25	18-21018	2	Hose, 2" ID x 3-1/2"	-
26	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
27	12-00814	12	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
28	15-00702	16	Lock Washer, Helical M8	-
29	15-00804	16	Wave Washer, M10	-
30	21-10010	2	Zinc Electrode 5/8" OD x 2" x 7/16	-
31	21-10000	2	Zinc Plug, Brass 1/2 NPT x 7/16-14	-
32	28-15705	1	Plate, Port Block Off	-
33	11-15702	2	Gasket, Port Block Off	-
34	21-10024	1	Plug, Hex Head, Steel 1/4 O-ring Port	-
35	23-15714	1	Bracket, Gear Oil Cooler Support	-
36	19-15703	1	T-Bolt Clamp	-
37	12-00812	3	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
38	12-34805	2	Capscrew, Socket Head M10 x 1.5 x 25 mm S/S	-
39	15-00801	2	Lock Washer, Hi-Collar M10 S/S	-
40	12-34803	4	Capscrew, Socket Head, M10 x 1.5 x 25 mm	-
41	15-00803	4	Lock Washer, Hi-collar M10	-
42	27-15732	1	Tube, Gear Oil Cooler Outlet	-

Heat Exchanger M6108 (Early Production)

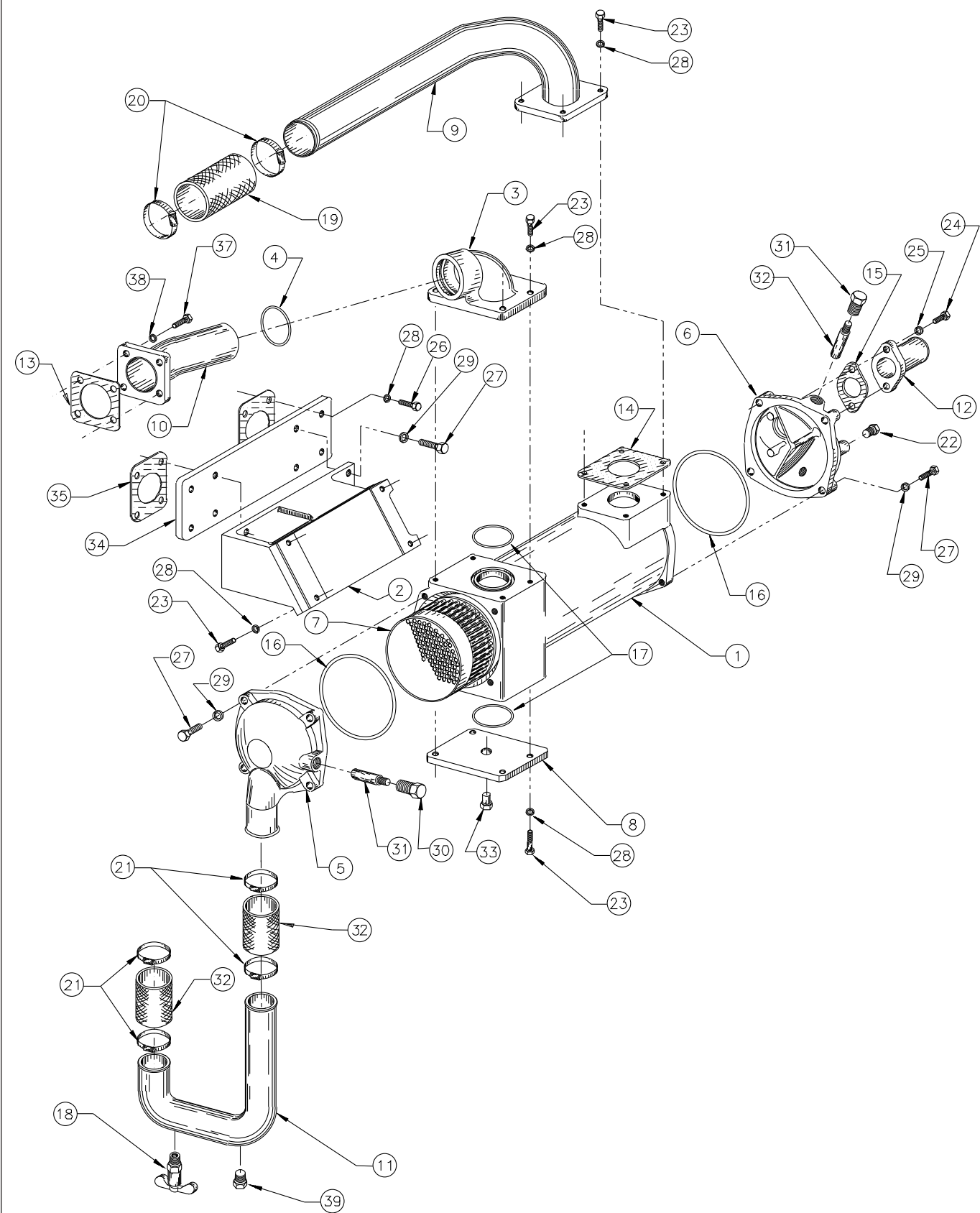


A-5587 / D-2261B

Heat Exchanger M6108 (Early Production)

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-15704	1	Housing*	-
2	23-15702	1	Bracket	-
3	27-15715	1	Tube	-
4	23-15708	1	Bracket	-
5	20-15705	1	End Cover (includes keys #31 & 32)	-
6	20-15709	1	End Cover (includes keys #22, 31, & 32)	-
7	20-14813	1	Heat Exchanger Element	-
8	19-71034	1	Adelle Clamp	-
9	27-15703	1	Tube	-
10	27-15704	1	Tube	-
11	27-15712	1	Tube	-
12	21-15703	1	Connector	-
13	11-15703	1	Gasket	-
14	11-15701	1	Gasket	-
15	11-14804	1	Gasket	-
16	16-14802	2	O-Ring	-
17	16-13101	2	O-Ring*	-
18	14-00812	1	Hex Nut, Nylock M10 x 1.5	-
19	18-15702	2	Hose 2-3/8" ID x 3"	-
20	19-00040	4	Hose Clamp #40	-
21	19-00028	4	Hose Clamp #28	-
22	21-31624	2	Plug, Hex Head, Brass 1/4 NPT	-
23	12-00712	12	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
24	12-00753	4	Capscrew, Hex Head M8 x 1.25 x 30 mm*	-
25	12-00812	2	Capscrew, Hex Head M8 x 1.5 x 40 mm	-
26	12-00831	7	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
27	12-00814	10	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
28	15-00702	20	Lock Washer, Helical M8*	-
29	15-00804	12	Wave Washer, M10	-
30	15-00805	1	Flat Washer, M10	-
31	21-10000	2	Zinc Plug	-
32	21-10010	2	Zinc	-
33	18-21018	2	Hose, 2" ID x 3-1/2"	-
34	21-10013	1	Drain Cock 3/8 NPT	-
35	21-31003	1	Hex Plug 3/8 NPT	-
36	28-15704	1	Plate*	-
37	21-10024	1	Plug, Hex Head 1/4 O-ring Port	-
38	12-34805	2	Capscrew, Socket Head M10 x 1.5 x 25 mm S/S	-
39	15-00801	2	Lock Washer, Hi-collar, M10 S/S	-
40	12-34803	4	Capscrew, Socket Head M10 x 1.5	-
41	15-00803	4	Lock Washer, Hi-collar M10	-
* NOTE: Revised Heat Exchanger Housing requires new plate #36, additional O-Ring #17 and fasteners #23 & #28 when replacement is required. Quantities listed are for revised housing.				

Heat Exchanger M6108



A-7077B / D-2719A

Heat Exchanger M6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-15704	1	Housing	-
2	23-15711	1	Bracket	-
3	10-15707	1	Heat Exchanger Outlet Connector	-
4	16-14905	1	O-ring	-
5	20-15705	1	End Cover (includes keys #31 & 32)	-
6	20-15709	1	End Cover (includes keys #22, 31, & 32)	-
7	20-14813	1	Heat Exchanger Element	-
8	28-15704	1	Plate	-
9	27-15703	1	Tube	-
10	27-15719	1	Tube	-
11	27-15712	1	Tube	-
12	21-15703	1	Connector	-
13	11-15703	1	Gasket	-
14	11-15701	1	Gasket	-
15	11-14804	1	Gasket	-
16	16-14802	2	O-Ring	-
17	16-13101	2	O-Ring*	-
18	21-10021	1	Drain Cock	-
19	18-15702	1	Hose 2-3/8" ID x 3"	-
20	19-00040	2	Hose Clamp #40	-
21	19-00028	4	Hose Clamp #28	-
22	21-31624	1	Plug, Hex Head, Brass 1/4 NPT	-
23	12-00712	16	Capscrew, Hex Head M8 x 1.25 x 25 mm	-
24	12-34805	4	Capscrew, Socket Head M10 x 1.5 x 25 mm S/S	-
25	15-00801	2	Lock Washer, Hi-collar M10 S/S	-
26	12-00831	4	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
27	12-00814	12	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
28	15-00702	16	Lock Washer, Helical M8	-
29	15-00804	16	Wave Washer M10	-
30	21-10000	2	Zinc Plug	-
31	21-10010	2	Zinc Electrode	-
32	18-21018	2	Hose, 2" ID x 3-1/2"	-
33	21-10024	1	Plug, Hex Head Steel 1/4 OR Port	-
34	28-15705	1	Plate	-
35	11-15702	2	Gasket	-
36	12-00812	1	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
37	12-34803	4	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
38	15-00803	4	Lock Washer, Hi-collar M10	-

Coolant Pump L-M6108

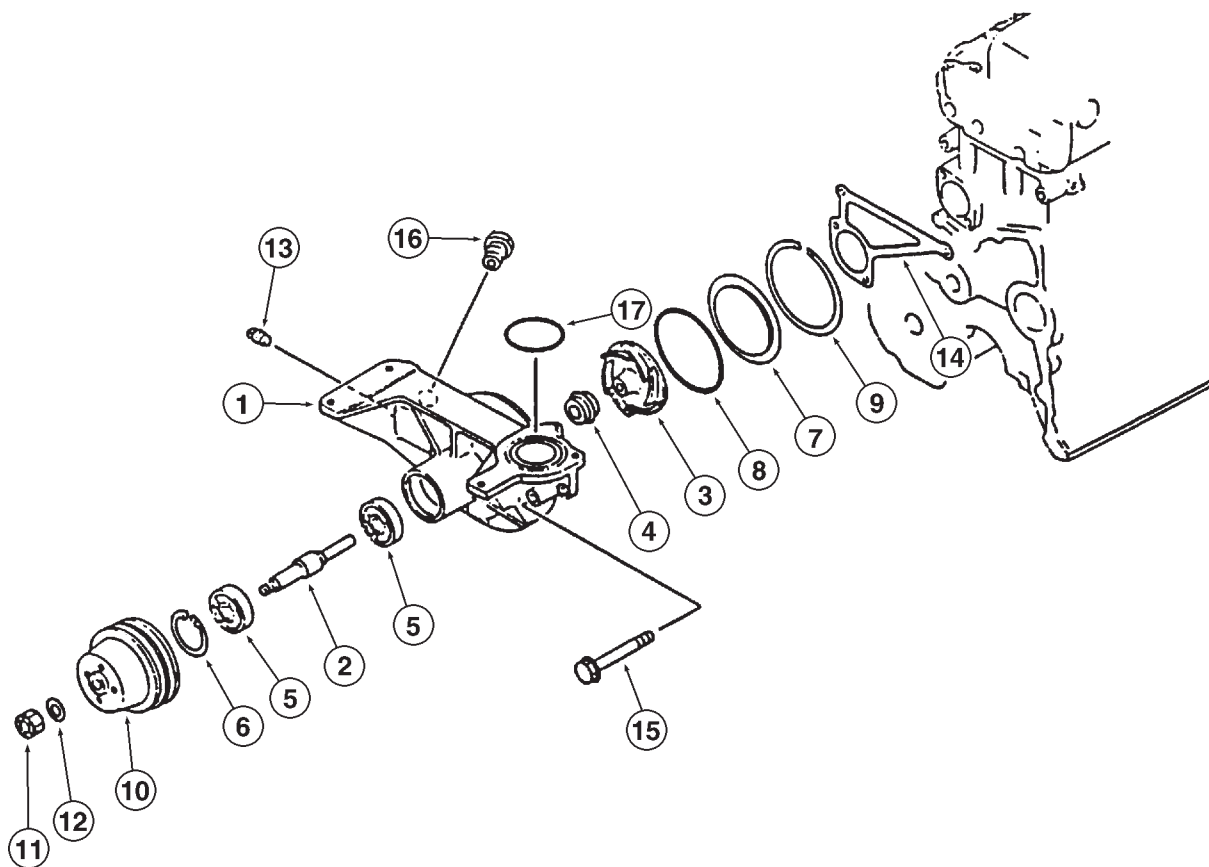
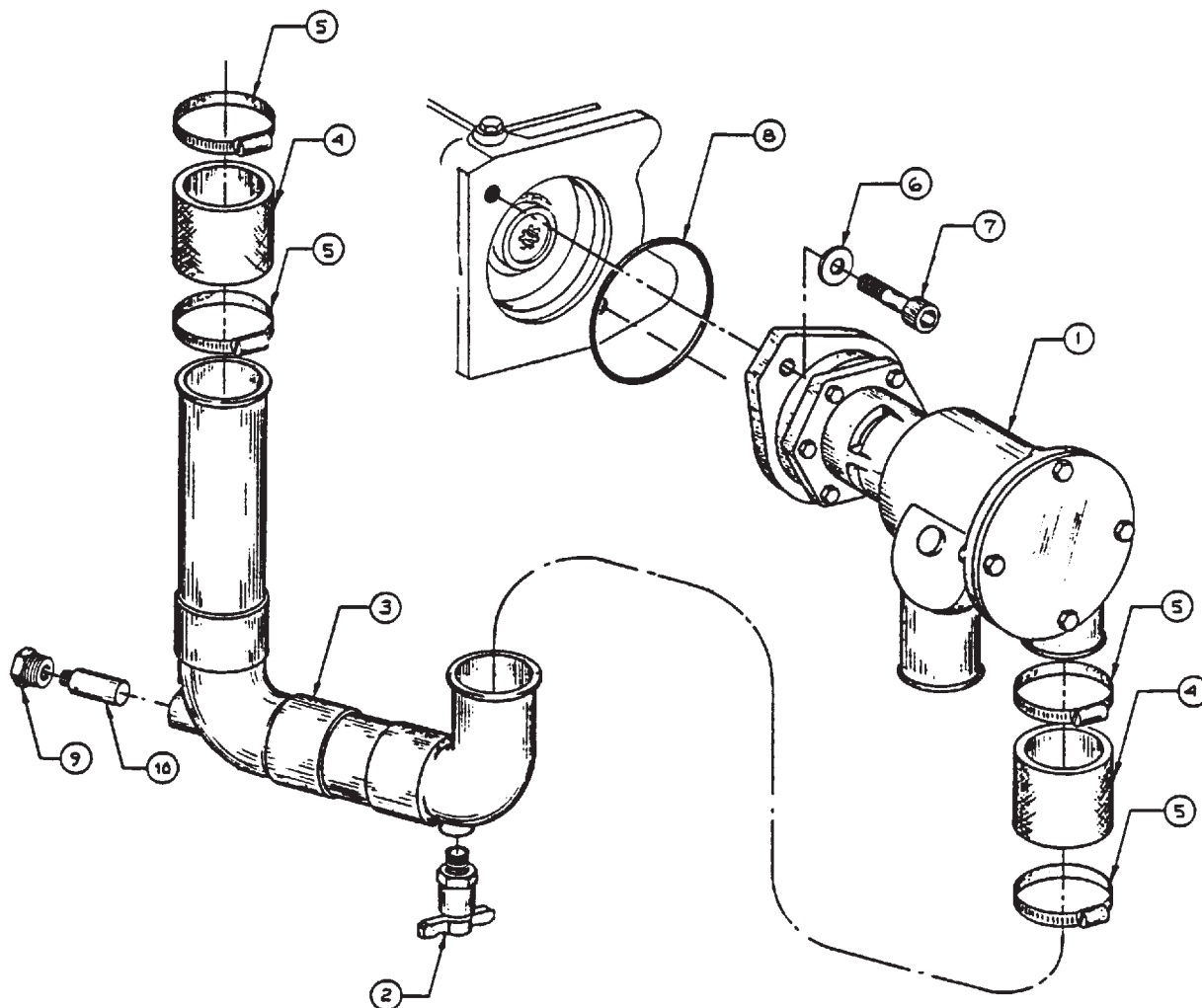


Figure 0501

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6222-65-1700	1	Coolant Pump Assembly (includes keys #1 - #12, formerly #6222-65-1900)	-
1		1	Pump Housing (not available separately)	-
2	6136-61-1311	1	Shaft	-
3	6136-61-1331	1	Impeller	-
4	6150-61-1520	1	Seal	-
5	06037-06304	2	Bearing	-
6	6136-61-1190	1	Snap Ring	-
7	6136-61-1120	1	Cover	-
8	07000-02145	1	O-Ring	-
9	6136-61-1130	1	Snap Ring	-
10	6138-61-3230	1	Pulley	-
11	01839-01416	1	Nut	-
12	01643-31445	1	Washer	-
13	07042-20312	1	Plug	-
14	6136-61-1820	1	Gasket	-
15	01435-01080	4	Capscrew, Hex Head Flanged M10 x 1.5 x 80 mm	-
16	21-51905	1	Plug, Socket Head 1" NPT	-
17	16-15701	1	O-Ring	-

Raw Water Pump & Mounting L-M6108



A-5354B / C-2685

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	25-15700	1	Raw Water Pump (see parts detail)	-
2	21-10002	1	Drain Cock 1/4 NPT (fabricated tube)	-
	21-10021	1	Drain Cock 3/8 NPT (cast tube)	-
3	27-15712	1	Tube	-
4	18-21018	2	Hose, 2" ID x 3-1/2"	-
5	19-00028	4	Hose Clamp #28	-
6	15-00805	2	Flat Washer M10	-
7	12-34803	2	Capscrew, Socket Head M10 x 1.5 x 25mm	-
8	16-00004	1	O-Ring	-
9	21-10000	1	Hex Plug 3/8 NPT (cast tube)	-
	21-31003	1	Zinc Plug 1/2 NPT x 7/16-14 } fabricated tube	-
10	21-10010	1	Zinc	-

Raw Water Pump Drive Assembly L-M6108

Without Accessory Drive

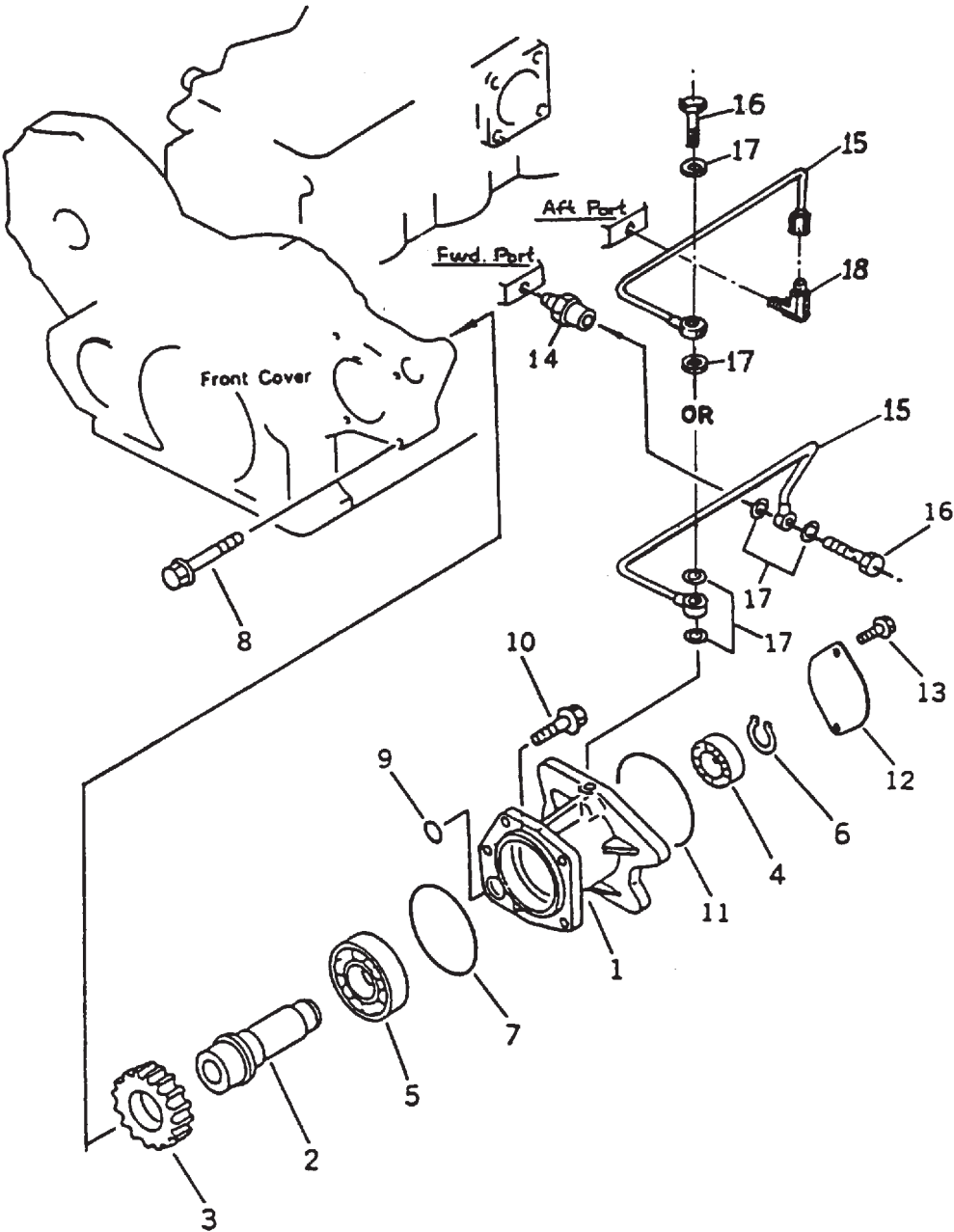


Figure 0225

Raw Water Pump Drive Assembly

Without Accessory Drive

KEY	PART NUMBER	QTY	DESCRIPTION	Komatsu S/N
••	6222-25-9200	1	Drive Assembly (includes keys #1 - #6)	up to 12824 -
1	6222-25-9211	1	Housing	
2	6222-25-9220	1	Shaft	
3	6221-21-9120	1	Gear	
4	06000-06308	1	Bearing	
5	06000-06907	1	Bearing	
6	04064-03515	1	Snap Ring	
7	07000-62100	1	O-Ring	
8	01435-00865	4	Capscrew, Hex Head Flanged M8 x 1.25 x 65 mm	
9	07000-63022	1	O-Ring	
10	01435-00820	1	Capscrew, Hex Head Flanged M8 x 1.25 x 20 mm	
11	16-00004	1	O-Ring	
12	6222-25-9250	1	Cover Plate (Keel Cooled)	
13	01435-01020	2	Bolt (Keel Cooled)	
14	6110-81-9670	1	Nipple (Keel Cooled)	
15	6222-25-9230	1	Tube, Oil Supply (Keel Cooled)	
	27-15713	1	Tube Assembly, Oil Supply (Heat Exchanged)	
16	07206-30710	2	Banjo Bolt (Keel Cooled)	
	07206-30710	1	Banjo Bolt (Heat Exchanged)	
17	07005-01012	4	Washer (Keel Cooled)	
	07005-01012	2	Washer (Heat Exchanged)	
18	21-05702	1	Male Elbow, 90° Steel 1/4 BSPT x 1/4-37T (Heat Exchanged)	
19	23-05702	1	Bracket	
20	19-72251	1	Adelle Clamp	
21	12-00805	2	Capscrew, Hex Head, M10 x 1.5 x 20 mm	} Tube Support Hardware - Not Shown
22	15-00802	1	Lock Washer, M10	
23	14-00812	1	Nylock Nut, M10 x 1.5	
Note: All units now use Tube #27-15713, Elbow #21-05701, Sealing Washers as required, and support hardware items #19-23. When converting to new tube also order Plug #07043-70211 to replace nipple in forward oil galley port.				

Raw Water Pump Drive Assembly L-M6108

With Accessory Drive

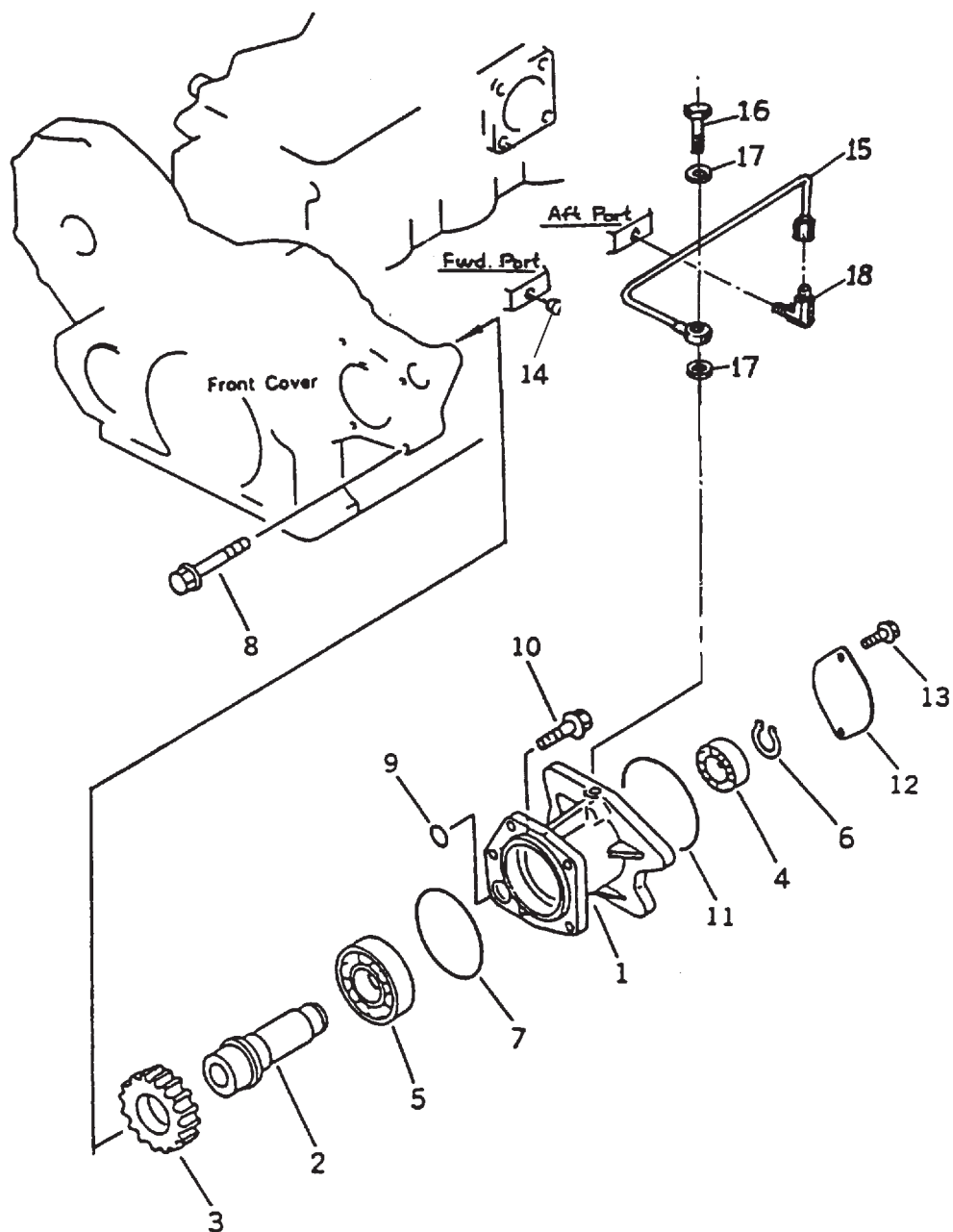


Figure 0225a

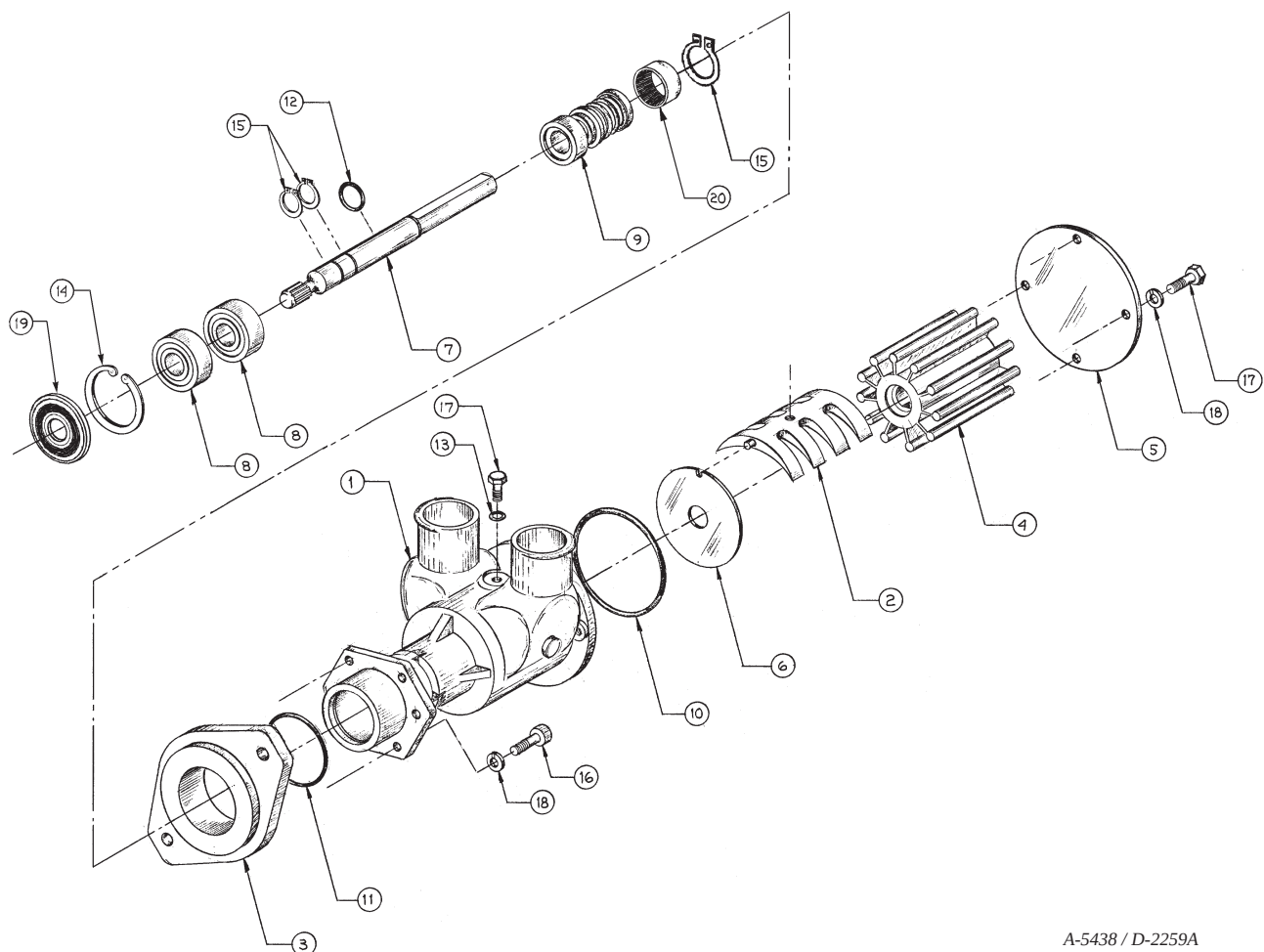
Raw Water Pump Drive Assembly L-M6108

With Accessory Drive

KEY	PART NUMBER	QTY	DESCRIPTION	Komatsu S/N
••	6222-25-9300	1	Drive Assembly (includes keys #1 - #6)	-
1	6222-25-9211	1	Housing	-
2	6222-25-9320	1	Shaft	-
3	6221-25-9120	1	Gear	-
4	06000-06308	1	Bearing	-
5	06000-06907	1	Bearing	-
6	04064-03515	1	Snap Ring	-
7	07000-62100	1	O-Ring	-
8	01435-00865	4	Capscrew, Hex Head Flanged M8 x 1.25 x 65 mm	-
9	07000-63022	1	O-Ring	-
10	01435-00820	1	Capscrew, Hex Head Flanged M8 x 1.25 x 20 mm	-
11	16-00004	1	O-Ring (with Raw Water Pump mounted)	-
	07000-62085	1	O-Ring (with cover mounted)	-
12	6222-25-9250	1	Cover Plate (Keel Cooled)	-
13	01435-01020	2	Capscrew, Hex Head Flanged M10 x 1.5 x 20 mm (Keel Cooled)	-
14	07043-70211	1	Plug	-
15	27-15713	1	Tube Assembly, Oil Supply (Heat Exchanged)	- up to 17508
	6222-25-9271	1	Tube Assembly, Oil Supply	from 17509 -
16	6152-55-3480	1	Banjo Bolt	-
17	07005-01012	3	Washer	-
18	21-05702	1	Male Elbow, 90° Steel 1/4 BSPT x 1/4-37T	- up to 17508
	6222-25-9280	1	Male Elbow, 90° Steel 1/4 BSPT x M14 x 1.5 JIS 30	from 17509 -
19	23-05702	1	Bracket	-
20	19-72251	1	Adelle Clamp	-
21	12-00805	2	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
22	15-00802	1	Lock Washer M10	-
23	14-00812	1	Nylock Nut M10 x 1.5	-

} Tube Support-
Not Shown

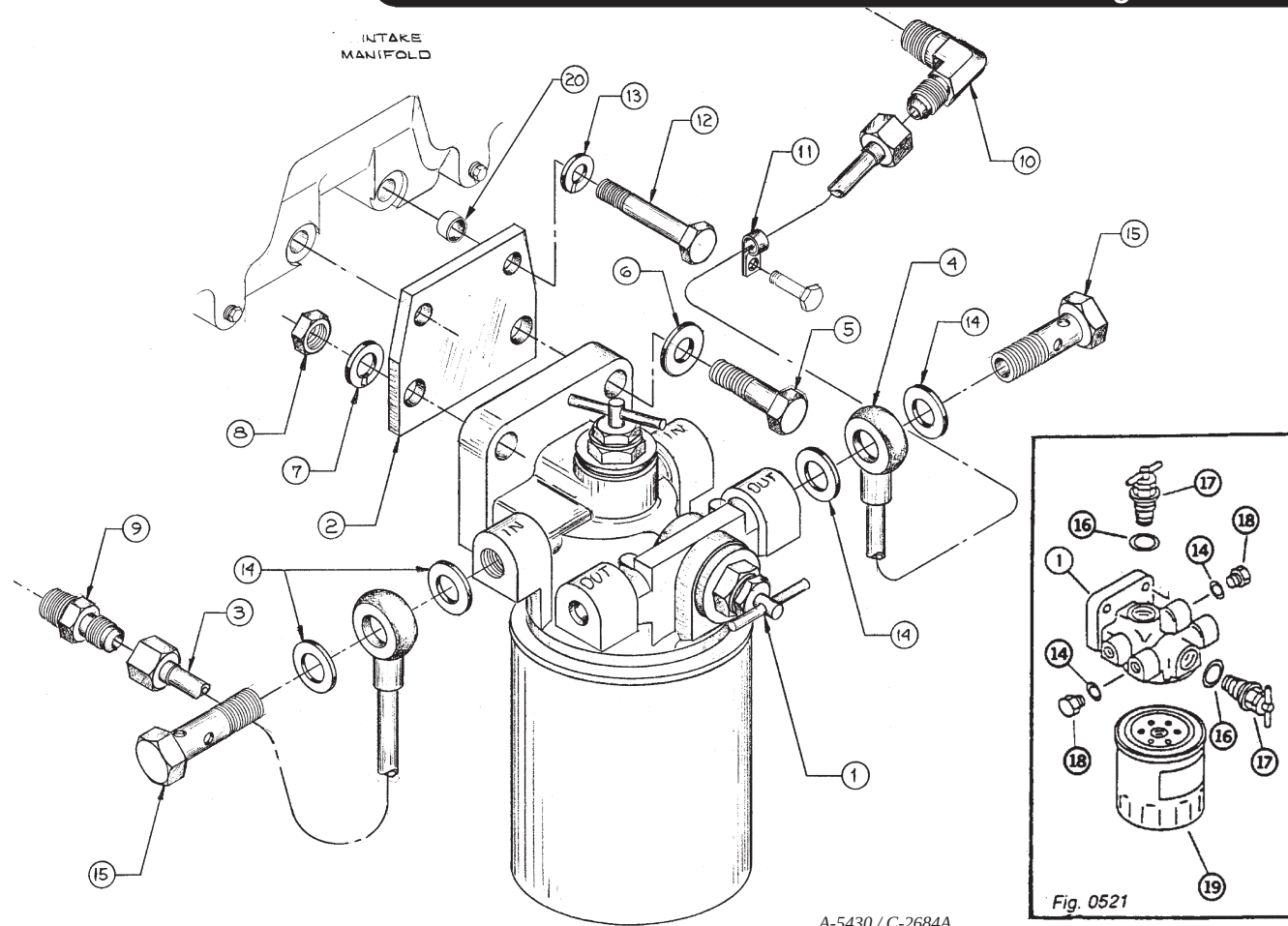
Raw Water Pump L-M6108



A-5438 / D-2259A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	25-15700	1	Raw Water Pump (includes all keys)	-
1	25-15702	1	Pump Housing	-
2	25-15703	1	Cam	-
3	25-15701	1	Adapter	-
4	25-15704	1	Impeller	-
5	25-15705	1	End Cover	-
6	25-15706	1	Wear Plate	-
7	25-15707	1	Shaft	-
8	25-15708	2	Bearing	-
9	25-15709	1	Mechanical Seal	-
10	25-15711	1	O-Ring	-
11	25-15712	1	O-Ring	-
12	25-15713	1	O-Ring	-
13	25-15714	1	O-Ring	-
14	25-15715	1	Snap Ring	-
15	25-15716	3	Snap Ring	-
16	25-15717	6	Capscrew, Socket Head M6 x 1.0 x 25mm Stainless Steel	-
17	25-15718	5	Capscrew, Hex Head M6 x 1.0 x 16mm Stainless Steel	-
18	15-00610	10	Lock Washer, M6 Stainless Steel	-
19	25-15726	1	Oil Seal	-
20	25-15723	1	Spacer	-

Water Treatment Unit & Mounting L-M6108



A-5430 / C-2684A

Fig. 0521

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	600-411-2010	1	Head Assembly (includes keys #1, #14 & #16 - #19)	-
1	600-411-2210	1	Head	-
2	23-15707	1	Bracket, Treatment Unit Mounting	-
3	27-15710	1	Tube, Water Supply	-
4	27-15711	1	Tube, Water Return	-
5	12-00812	2	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
6	15-00805	2	Flat Washer, M10	-
7	15-00802	2	Lock Washer, Helical M10	-
8	14-00811	2	Hex Nut, M10 1.5	-
9	21-52800	1	Male Connection, Steel 3/8 NPT x 3/8-37T	-
10	21-00606	1	Male Elbow, 90° Steel 3/8 NPT x 3/8-37T	-
11	19-53200	1	Adelle Clamp	-
12			Capscrew, Hex Head M8 x 1.25 x 135 mm (No longer available Use 12-00728 & Spacer #20)	-
	12-00728	2	Capscrew, Hex Head M8 x 1.25 x 140 mm	-
13	15-00802	2	Lock Washer, Helical M8	-
14	07005-01412	6	Washer	-
15	07206-11014	2	Banjo Bolt	-
16	600-411-2130	2	Gasket	-
17	600-411-2120	2	Valve	-
18	600-311-6710	2	Plug	-
19	24-14802	1	Water Treatment Element	-
20	21-75015	2	Spacer	-

Lubricating Oil Cooler L-M6108

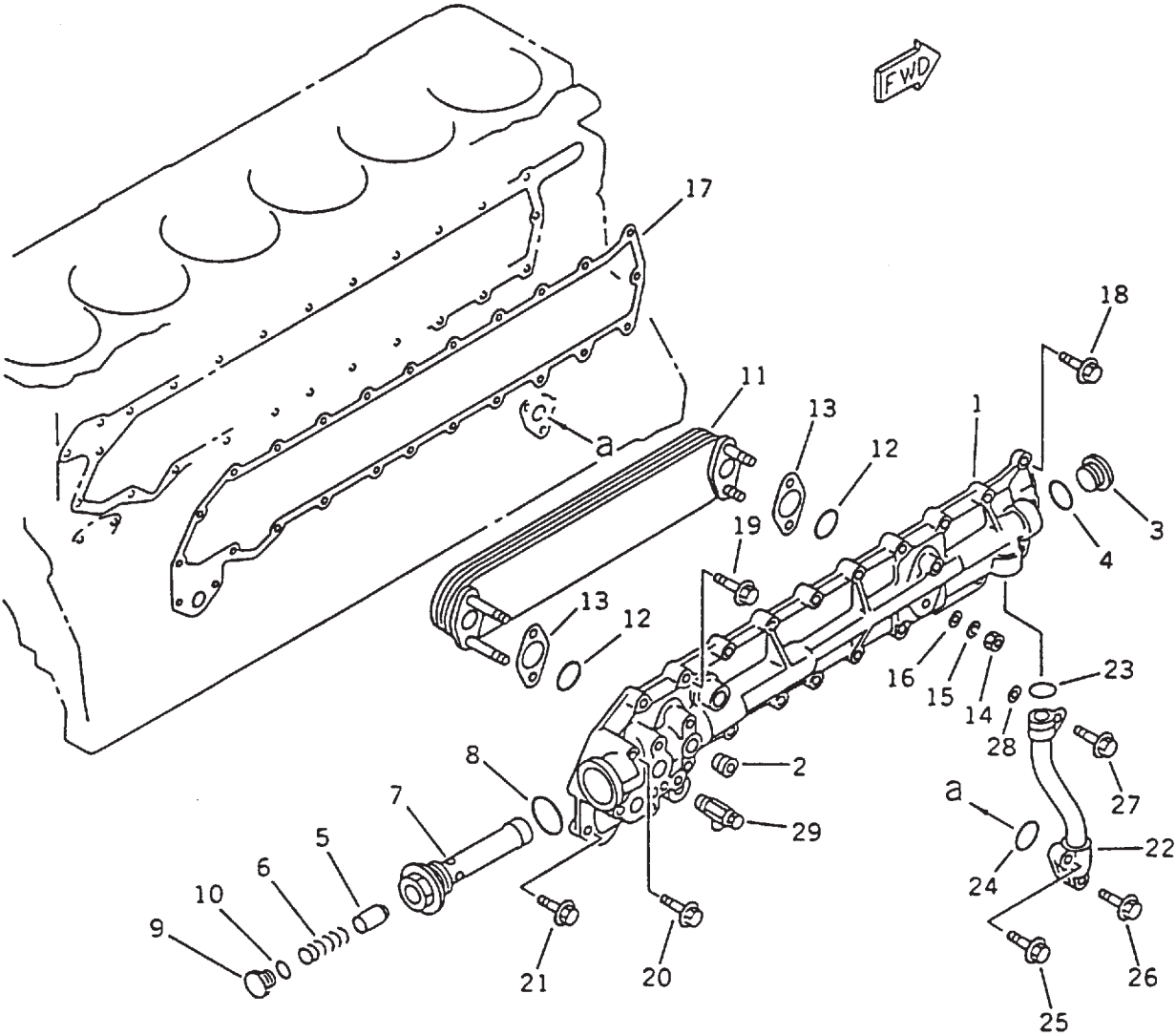


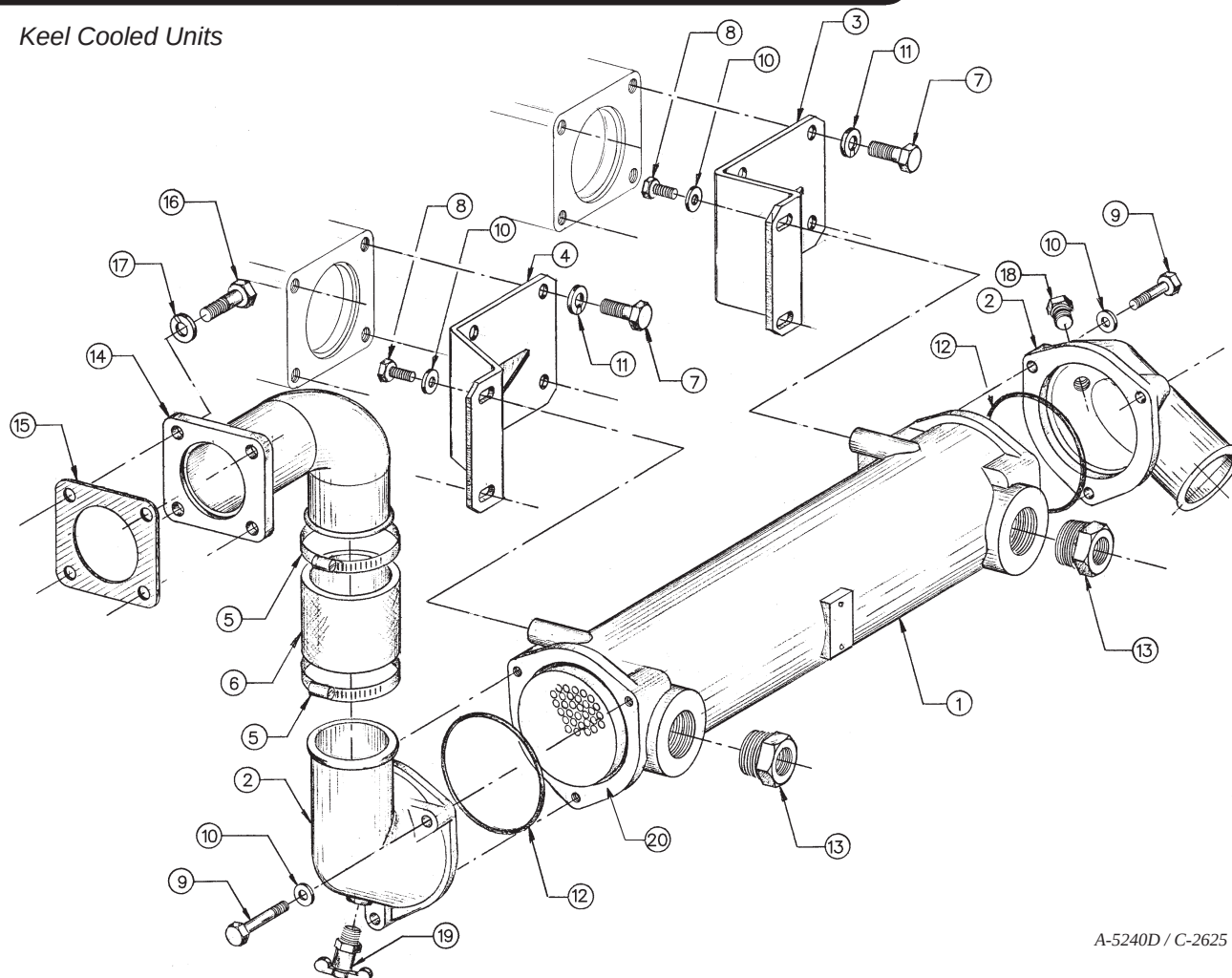
Figure 0331

Lubricating Oil Cooler L-M6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6136-61-2113	1	Cover (Early production)*	-
	6221-63-2110	1	Cover (Late production)*	-
	07043-00415	1	Plug (not shown)	-
2	02720-40607	2	Plug	-
3	6138-61-2180	1	Plug (Early production)*	-
	6150-61-2530	1	Plug M 27 x 1.5 (Late production)*	-
	21-76802	**	Adapter, M27 x 1.5 x 3/8 NPT	-
4	6136-61-2190	1	O-Ring (Early production)*	-
	6150-61-2550	1	O-Ring (Late production)*	-
5	6136-61-2170	1	Valve	-
6	6136-61-2160	1	Spring	-
7	6136-61-2180	1	Case (Early production)*	-
	6221-63-2180	1	Case (Late production)*	-
8	6136-61-2150	1	O-Ring	-
9	6136-61-2140	1	Plug	-
10	07000-02018	1	O-Ring	-
11	600-651-1431	1	Oil Cooler Element (formerly #600-651-1430)	-
12	6136-61-2190	2	O-Ring	-
13	6136-61-2290	2	Gasket	-
14	01580-10806	4	Nut	-
15	01602-20825	4	Spring Washer	-
16	01641-20812	4	Washer	-
17	6136-61-2820	1	Gasket (formerly #6136-61-2811)	-
18	01435-20820	4	Bolt	-
19	01435-20830	16	Bolt	-
20	01435-20860	1	Bolt	-
21	01435-20825	2	Bolt	-
22	6136-51-6311	1	Tube (Early production)*	-
	6222-55-6312	1	Tube (Late production)*	-
23	07000-23022	1	O-Ring (Early production)*	-
	07000-22021	1	O-Ring (Late production)*	-
24	07000-63028	1	O-Ring	-
25	01435-20835	2	Bolt	-
26	01435-20825	1	Bolt	-
27	01435-20825	1	Bolt	-
28	01640-00816	1	Washer	-
29	6140-61-6512	1	Drain Valve	-
* Note: Do not combine Early and Late production parts. Units may be updated by replacement of all Early Production parts with Late Production items. To identify Early and Late parts, #1 Covers are marked with part numbers as listed.				

Gear Oil Cooler - Multi-piece L6108A

Keel Cooled Units

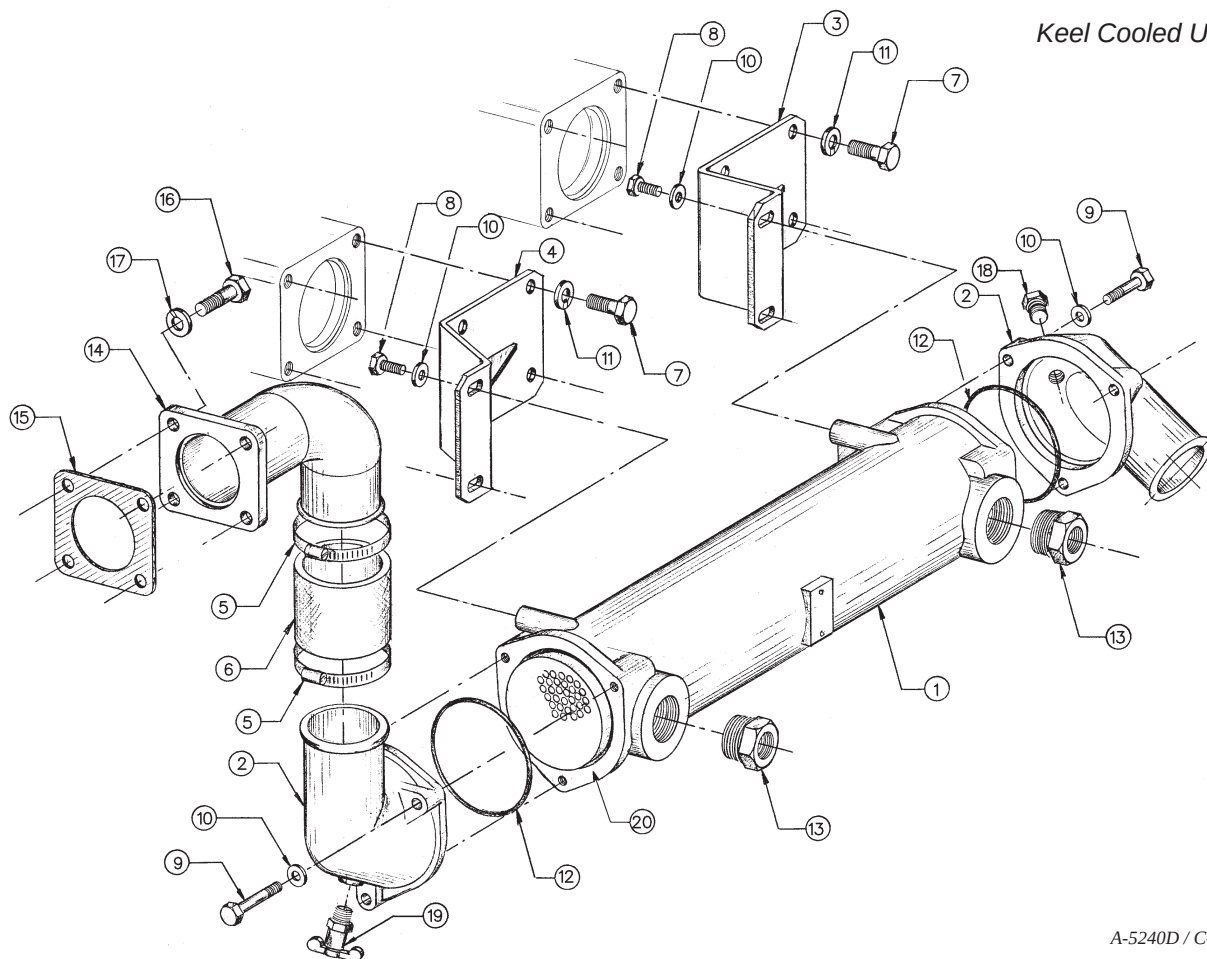


A-5240D / C-2625

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	20-15703	1	Gear Oil Cooler Assembly (includes keys #1, #12 & #19)	-
1	10-05701	1	Gear Oil Cooler Housing	-
2	20-15702	2	End Cover, 90 Deg Outlet	-
3	23-65703	1	Rear Cooler Mounting Bracket	-
4	23-65704	1	Front Cooler Mounting Bracket	-
5	19-00040	2	Hose Clamp #40	-
6	18-15702	1	Hose, 2-3/8" ID x 3"	-
7	12-00831	8	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
8	12-00711	4	Capscrew, Hex Head M8 x 1.25 x 20 mm	-
9	12-00713	6	Capscrew, Hex Head M8 x 1.25 x 35 mm	-
10	15-00701	10	Flat Washer, M8	-
11	15-00802	8	Lock Washer, Helical M10	-
12	16-15703	2	O-Ring	-
13	21-15704	2	Adapter, 1" NPT x 1/2 NPT	-
14	21-15702	1	Elbow, Thermostat Housing Inlet	-
15	11-15703	1	Gasket	-
16	12-34803	4	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
17	15-00803	4	Lock Washer, Hi-Collar M10	-
18	21-31624	1	Hex Plug 1/4 NPT	-
19	21-10002	1	Drain Cock 1/4 NPT	-
20	20-15706	1	Gear Oil Cooler Element	-

Gear Oil Cooler - Multi-piece L6108A2

Keel Cooled Units

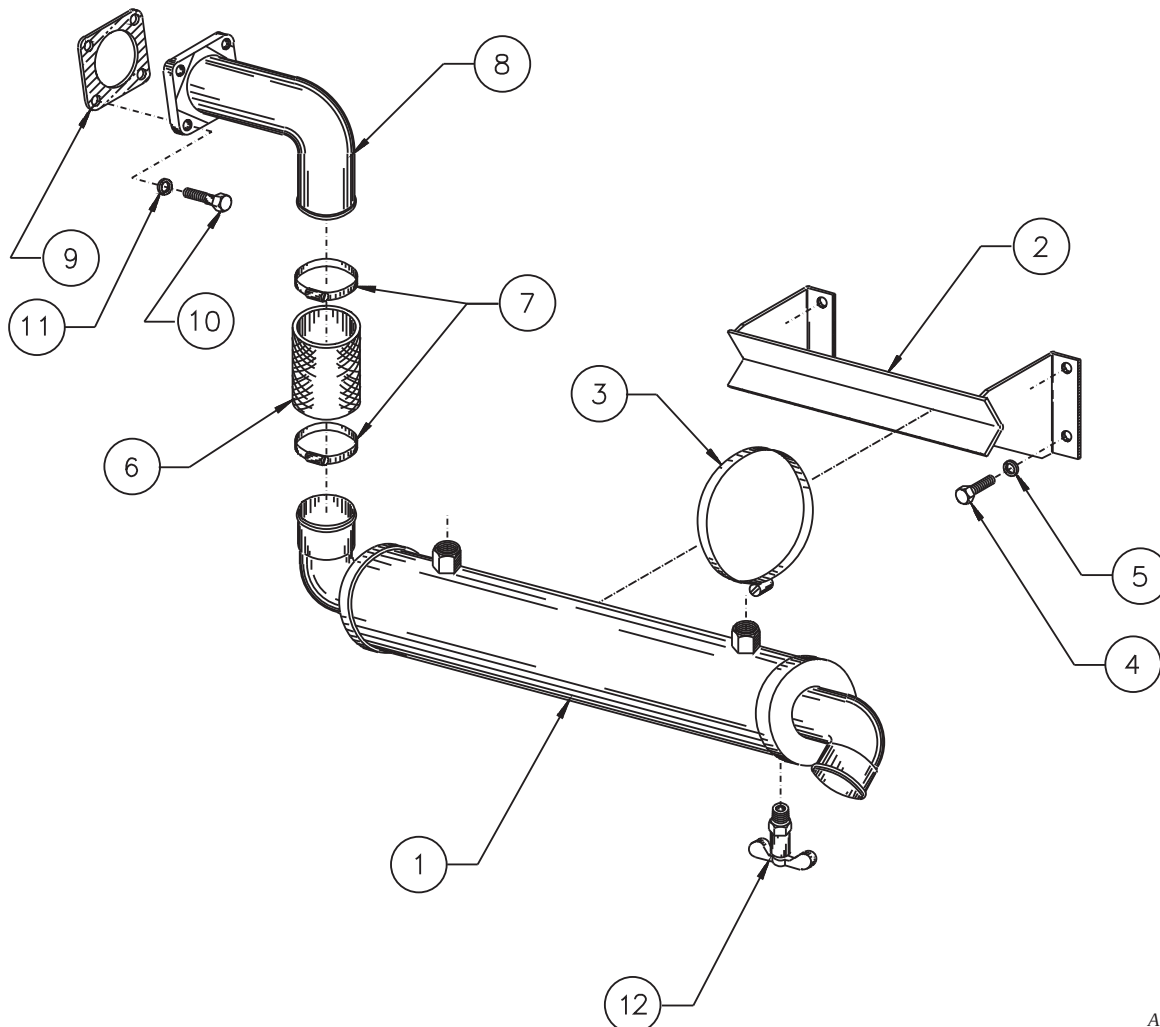


A-5240D / C-2625

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	20-15703	1	Gear Oil Cooler Assembly (includes keys #1, #12 & #19)	-
1	10-05701	1	Gear Oil Cooler Housing	-
2	20-15702	2	End Cover, 90° Outlet	-
3	23-65709	1	Rear Cooler Mounting Bracket	-
4	23-65708	1	Front Cooler Mounting Bracket	-
5	19-00040	2	Hose Clamp #40	-
6	18-15702	1	Hose, 2-3/8" ID x 3"	-
7	12-00832	8	Capscrew, Hex Head M10 x 1.5 x 30 mm	-
8	12-00711	4	Capscrew, Hex Head M8 x 1.25 x 20 mm	-
9	12-00713	6	Capscrew, Hex Head M8 x 1.25 x 35 mm	-
10	15-00701	10	Flat Washer, M8	-
11	15-00802	8	Lock Washer, Helical M10	-
12	16-15703	2	O-Ring	-
13	21-15704	2	Adapter, 1" NPT x 1/2 NPT	-
14	21-15702	1	Elbow, Thermostat Housing Inlet	-
15	11-15703	1	Gasket	-
16	12-34803	4	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
17	15-00803	4	Lock Washer, Hi-Collar M10	-
18	21-31624	1	Hex Plug 1/4 NPT	-
19	21-10002	1	Drain Cock 1/4 NPT	-
20	20-15706	1	Gear Oil Cooler Element	-
21	28-15705	1	Plate, Port Block-off (Not Shown)	-
22	11-15702	2	Gasket (Not Shown)	-

Gear Oil Cooler - One piece L-LC6108A

Keel Cooled Units

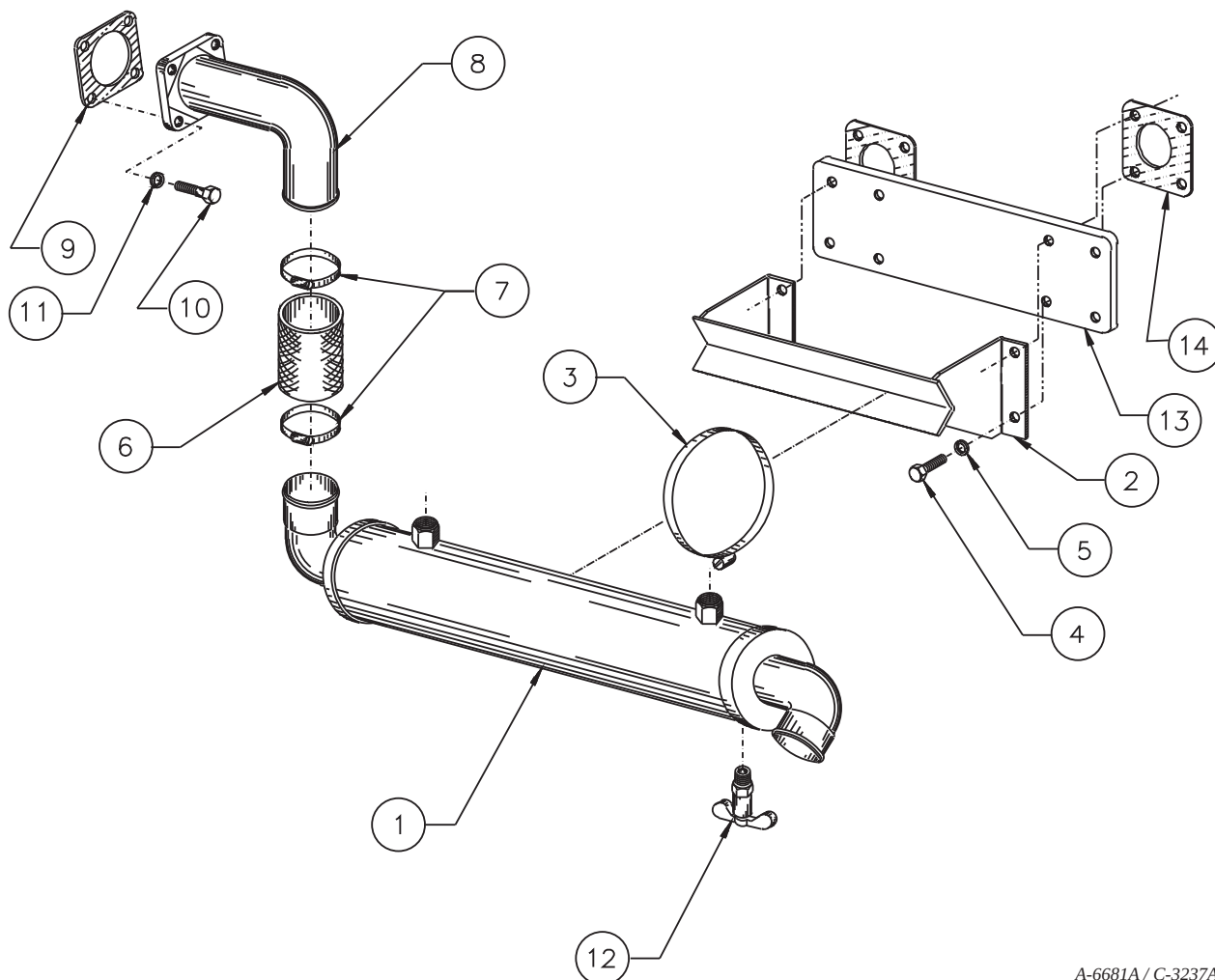


A-6681 / C-3237

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	20-65701	1	Gear Oil Cooler	-
2	23-15710	1	Bracket	-
3	19-00072	2	Hose Clamp #72	-
4	12-00805	4	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
5	15-00802	4	Lock Washer, Helical M10	-
6	18-15702	1	Hose, 2-3/8" ID x 3"	-
7	19-00040	2	Hose Clamp #40	-
8	21-15702	1	Elbow, Thermostat Housing Inlet	-
9	11-15703	1	Gasket	-
10	12-34803	4	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
11	15-00803	4	Lock Washer, Hi-collar M10	-
12	21-10001	1	Drain Cock, Brass, 1/8 NPT	-

Gear Oil Cooler - One piece L6108A2

Keel Cooled Units



A-6681A / C-3237A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	20-65701	1	Gear Oil Cooler	-
2	23-15710	1	Bracket	-
3	19-00072	2	Hose Clamp #72	-
4	12-00831	8	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
5	15-00802	8	Lock Washer, Helical M10	-
6	18-15702	1	Hose, 2-3/8" ID x 3"	-
7	19-00040	2	Hose Clamp #40	-
8	21-15702	1	Elbow, Thermostat Housing Inlet	-
9	11-15703	1	Gasket	-
10	12-34803	4	Capscrew, Socket Head M10 x 1.5 x 25 mm	-
11	15-00803	4	Lock Washer, Hi-collar M10	-
12	21-10001	1	Drain Cock, Brass 1/8 NPT	-
13	28-15705	1	Plate, Port Block-off	-
14	11-15702	2	Gasket	-

Injection Pump & Fuel Lines L-M6108T-A

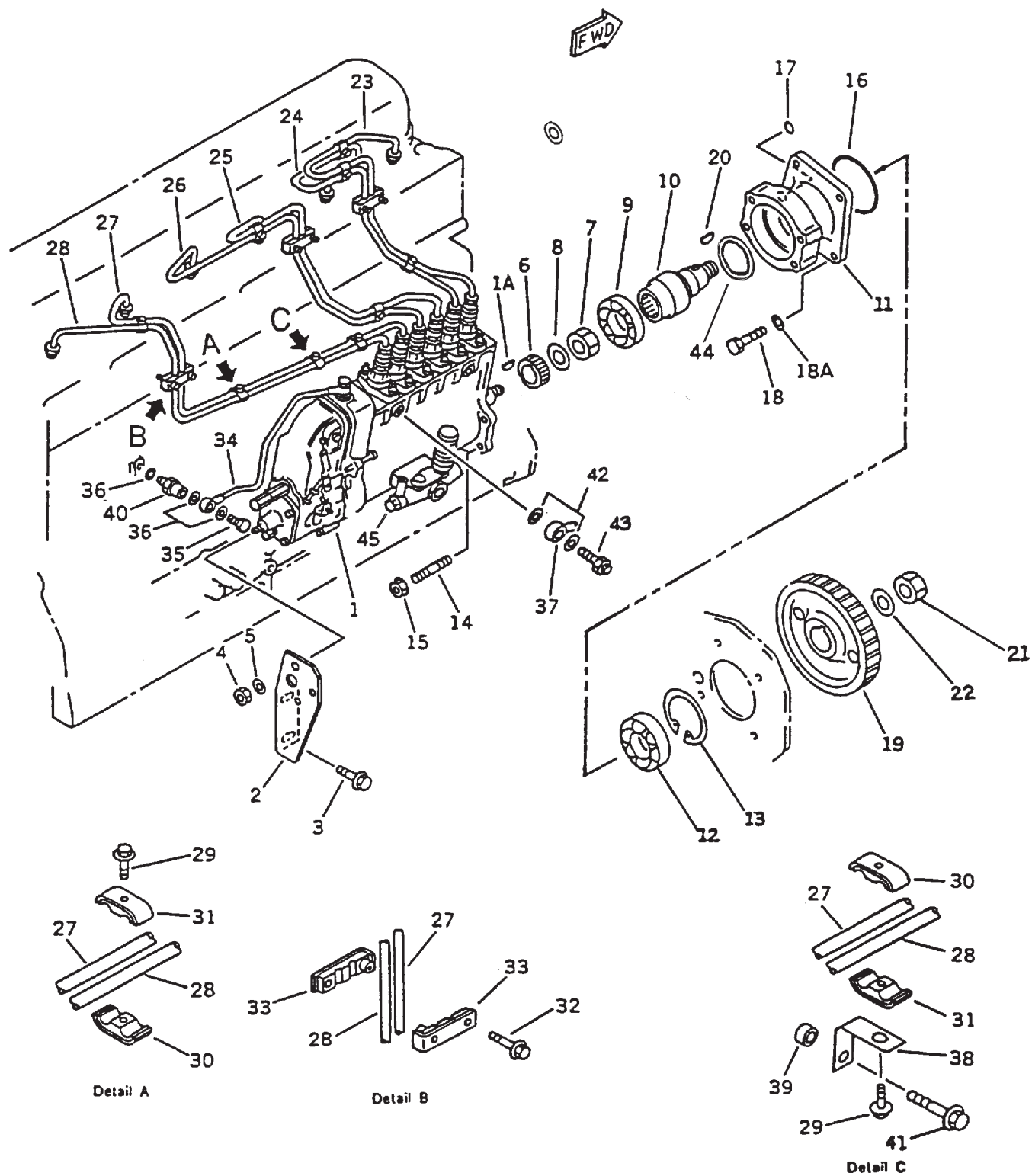


Figure 0401

Injection Pump & Fuel Lines L-M6108T-A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1		1	Injection Pump (See Application Chart)	-
1A	04010-00519	1	Key	-
2	6221-71-1880	1	Bracket	-
3	01435-01020	2	Bolt	-
4	01582-01008	1	Nut	-
5	01643-31032	1	Washer	-
6	6221-71-3371	1	Gear (formerly #6221-71-3370)	-
7	01583-01811	1	Nut	-
8	6162-33-3940	1	Washer	-
••	6221-71-3100	1	Injection Pump Drive Assembly (includes keys #9 - #13)	-
9	06000-06910	1	Bearing	-
10	6221-71-3310	1	Shaft	-
11	6221-71-3110	1	Case	-
12	06000-06307	1	Bearing	-
13	04065-08025	1	Snap Ring	-
14	01144-31035	4	Stud	-
15	01584-01008	4	Nut	-
16	07000-62100	1	O-Ring	-
17	07000-62012	1	O-Ring	-
18	01050-31022	4	Bolt	-
18A	01640-21016	4	Washer	-
19	6221-71-3210	1	Gear, Injection Pump Drive	-
20	04010-00519	1	Key	-
21	01583-02012	1	Nut	-
22	01643-32060	1	Washer	-
23	6222-71-5111	1	Injection Line #1	-
24	6222-71-5121	1	Injection Line #2	-
25	6222-71-5131	1	Injection Line #3	-
26	6222-71-5141	1	Injection Line #4	-
27	6222-71-5150	1	Injection Line #5	-
28	6222-71-5160	1	Injection Line #6	-
••	6221-71-5701	8	Clamp Assembly (includes keys #29 - #31)	-
29	6221-71-5711	8	Screw	-
30	6206-71-5730	8	Clamp	-
31	6144-71-5720	8	Clamp	-
32	01435-20625	6	Bolt	-
33	6221-71-5550	6	Clip	-
34	6221-71-4270	1	Oil Line	-
35	07206-10610	1	Banjo Bolt	-
36	07005-01012	2	Gasket	-
37	27-55702	1	Tube, Injection Pump Fuel Supply	up to S/N xxxx-0969 from S/N xxxx-0970
	27-55704	1	Tube, Injection Pump Fuel Supply	
38	6221-71-5980	1	Bracket (can use #23-71102)	-
39	6138-71-5760	1	Spacer	-
40	6221-71-4290	1	Nipple	-
42	ND090222-0070	2	Washer	-
43	ND092223-0070	1	Banjo Bolt	-
44	16-55702	1	O-ring (Injection Pump Mounting)	-
45	ND092100-1761	1	Fuel Feed Pump (see parts detail)	-
Note: Sealing Washers for Tube #34 at Governor Housing of Injection Pump are #ND090222-0120 (2 ea.).				

Injection Pump & Fuel Lines L-M6108T2-A2

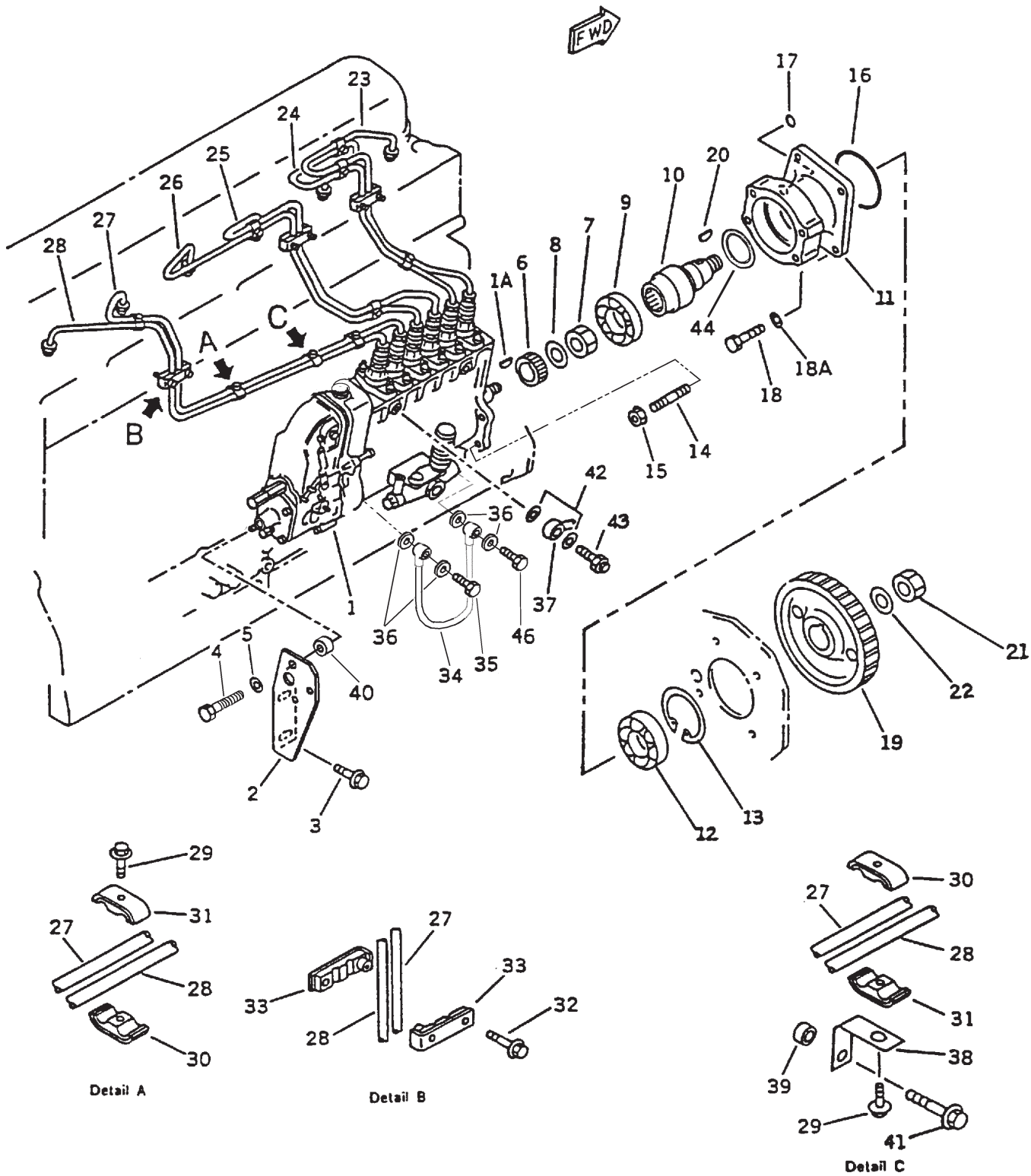
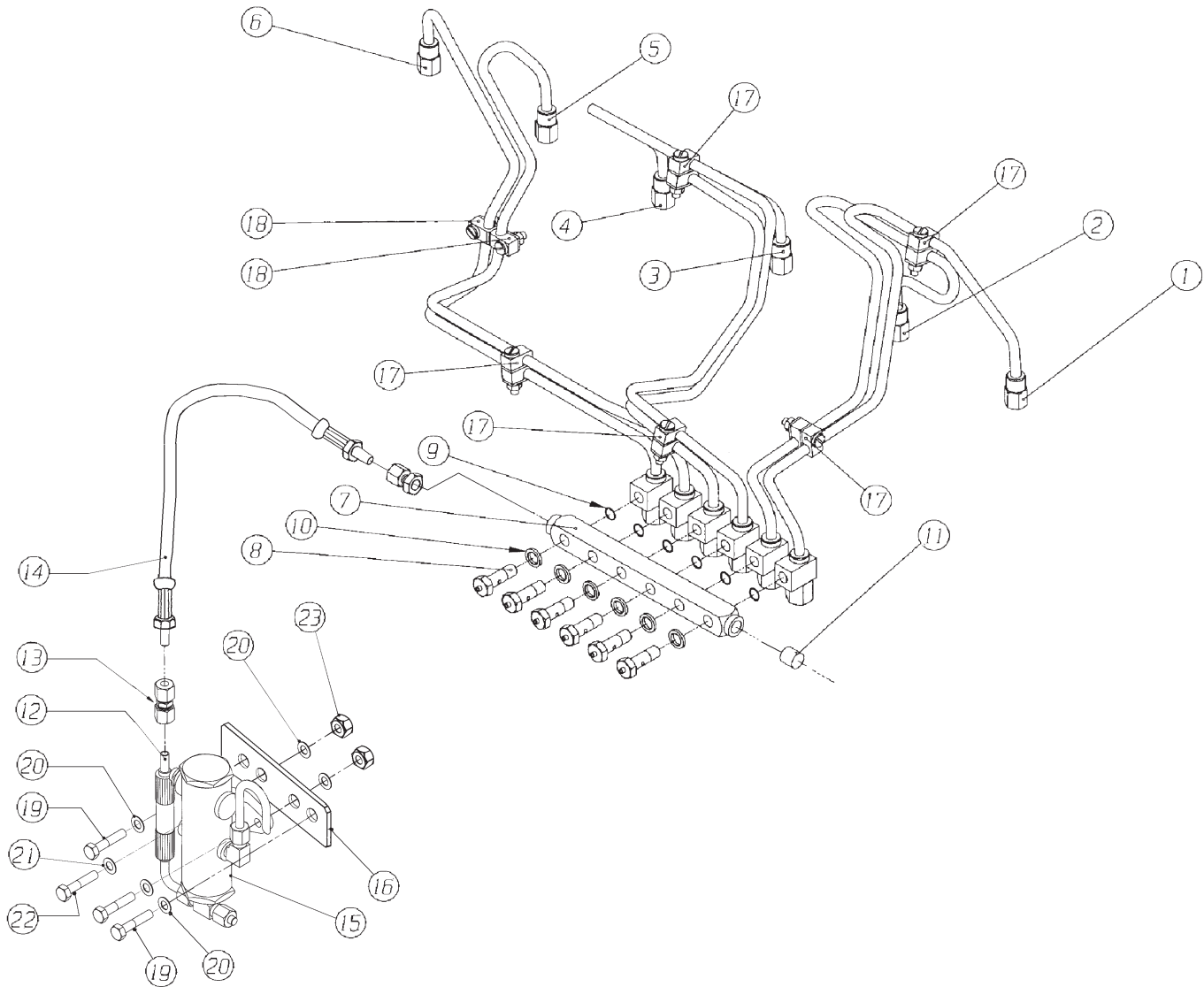


Figure 0401a

Injection Pump & Fuel Lines L-M6108T2-A2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1		1	Injection Pump (see Application Chart)	-
1A	04010-00519	1	Key	-
2	6221-71-1880	1	Bracket	-
3	01435-01020	2	Bolt	-
4	12-05402	1	Capscrew, Hex Head M10 x 1.25 x 40 mm	-
5	01643-31032	1	Washer	-
6	6221-71-3371	1	Gear	-
7	01583-01811	1	Nut	-
8	6162-33-3940	1	Washer	-
••	6221-75-3100	1	Injection Pump Drive Assembly (includes keys #9 - #13)	-
9	06000-06910	1	Bearing	-
10	6221-75-3310	1	Shaft	-
11	6221-71-3110	1	Case	-
12	06000-06307	1	Bearing	-
13	04065-08025	1	Snap Ring	-
14	01144-31035	4	Stud	-
15	01584-01008	4	Nut	-
16	07000-62100	1	O-Ring	-
17	07000-62012	1	O-Ring	-
18	01050-31022	4	Bolt	-
18A	01640-21016	4	Washer	-
19	6221-75-3310	1	Gear, Injection Pump Drive	-
20	04010-00519	1	Key	-
21	01583-02012	1	Nut	-
22	01643-32060	1	Washer	-
23	6222-75-5410	1	Injection Line #1	-
24	6222-75-5420	1	Injection Line #2	-
25	6222-75-5430	1	Injection Line #3	-
26	6222-75-5440	1	Injection Line #4	-
27	6222-75-5450	1	Injection Line #5	-
28	6222-75-5460	1	Injection Line #6	-
••	6221-71-5701	8	Clamp Assembly (includes keys #29 - #31)	-
29	6221-71-5711	8	Screw	-
30	6206-71-5730	8	Clamp	-
31	6144-71-5720	8	Clamp	-
32	01435-20625	6	Bolt	-
33	6221-71-5550	6	Clip	-
34	6222-75-5720	1	Tube, Injection Pump Oil Supply	-
35	07206-30710	1	Banjo Bolt M10 x 1.25 x 20 mm	-
36	07005-01012	2	Gasket	-
37	27-55704	1	Tube, Injection Pump Fuel Supply	-
38	6221-71-5980	1	Bracket (can use #23-71102)	-
39	6138-71-5760	1	Spacer	-
40	21-71401	1	Spacer	-
42	ND090222-0070	2	Washer	-
43	ND092223-0070	1	Banjo Bolt	-
44	16-55702	1	O-ring (Injection Pump Mounting)	-
45	092100-2491	1	Fuel Feed Pump (see parts detail)	-
46	ND949180-0060	1	Banjo Bolt M10 x 1.0 x 18 mm	-
	36-55701	1	Banjo Bolt M10 x 1.0 x 18 mm (with restrictor - units with actuator only)	-

Double Wall Fuel Lines



A-5933/ B-6491A

Double Wall Fuel Lines

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	27-55711	1	Injection Line #1 Double Wall	-
2	27-55712	1	Injection Line #2 Double Wall	-
3	27-55713	1	Injection Line #3 Double Wall	-
4	27-55714	1	Injection Line #4 Double Wall	-
5	27-55715	1	Injection Line #5 Double Wall	-
6	27-55716	1	Injection Line #6 Double Wall	-
7	10-55701	1	Manifold, Fuel Alarm	-
8	21-55707	6	Banjo Bolt	-
9	16-55701	6	O-ring	-
10	15-55701	6	Banjo Washer	-
11	21-55704	1	Plug	-
12	21-55702	1	Compression Fitting	-
13	21-55703	1	Compression Union	-
14	18-55704	1	Hose Assembly 1/4" ID x 20"	-
15	10-55702	1	Alarm Tank Assembly	-
16	23-55701	1	Bracket, Alarm Tank Mounting	-
17	19-55701	5	Clamp Assembly	-
18	19-55702	2	Clamp Assembly	-
19	12-00805	2	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
20	15-00802	2	Lock Washer, Helical M10	-
21	12-00712	2	Capscrew, Hex Head M8 1.25 x 25 mm	-
22	15-00701	2	Flat Washer M8	-
23	14-04802	1	Hex Nut, Nylock M8 x 1.25	-

Injection Pump Application List

Propulsion Engines, Pre-Emissions Compliant through December 1999

6222-71-1140	L6108A	350 Hp @ 2600 RPM
26-55706	L6108A	300 Hp @ 2600 RPM *
26-55707	L6108A	250 Hp @ 2300 RPM *
6222-75-1310	L6108A2	to 410 Hp @ 2700 RPM
6222-75-1311	L6108A2	to 410 Hp @ 2700 RPM

Propulsion Engines, Emissions Compliant from January 2000

6222-75-1311F	L6108A2	410 Hp @ 2700 RPM
6222-75-1311A	L6108A2	370 Hp @ 2600 RPM
6222-75-1311B	L6108A2	300 Hp @ 2300 RPM

Generator Drive Engines, Pre-Emissions Compliant through December 1999

26-55711	M6108T	1500 or 1800 RPM
26-55709	M6108A	1500 or 1800 RPM
26-55714	M6108T2	1800 RPM
26-55712	M6108QA	1200 RPM
26-55708	M6108T-A with 24VDC Governor Control (Pump and Actuator Assembly)	

Generator Drive Engines, Emissions Compliant from January 2000

6222-75-1312C (replaces 6222-75-1311C)	M6108A2	150 kW @ 1800 RPM
6222-75-1312D (replaces 6222-75-1311D)	M6108A2	125 kW @ 1500 RPM
6222-75-1312E (replaces 6222-75-1311E)	M6108T2	125 kW @ 1800 RPM

Generator Drive Engines, No Emissions Compliance Required, from January 2000

6222-75-1312G (replaces 6222-75-1311G)	M6108T2	104 kW @ 1500 RPM
6222-75-1312H (replaces 6222-75-1311H)	M6108QA2	96 kW @ 1200 RPM
6222-75-1312J (replaces 6222-75-1311J)	M6108QA2	65 kW @ 1200 RPM

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

Part numbers for complete pump and actuator assembly are as above (for year 2000 and newer) with suffix 12 or 24 added to designate voltage required. Assemblies have mounting flange stamped: 26-55716 (12 Volt) or 26-55713 (24 Volt).

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

Notes

Injectors, Glow Plugs & Fuel Return Lines

L6108A - M6108T - M6108A

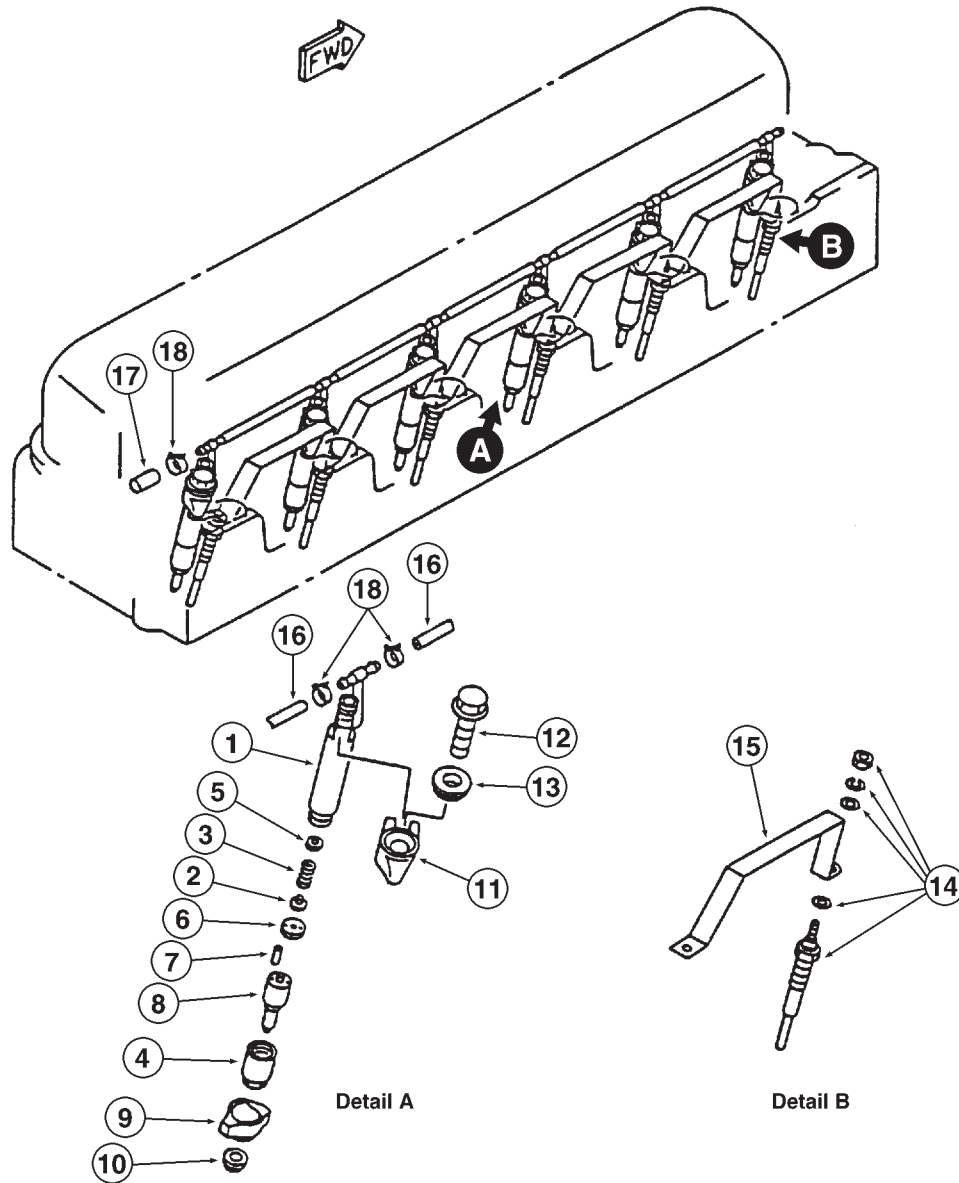


Figure 0421

Injectors, Glow Plugs & Fuel Return Lines

L6108A - M6108T - M6108A

KEY	PART NUMBER	QTY	DESCRIPTION	S/N
••	6222-11-3201	6	Fuel Injector (Formerly #6222-11-3200)	-
••	26-55704	6	Injector (Used with USCG Fuel Line applications, see Fuel Return Line Detail)	-
1	ND093110-4240	1	Nozzle Body	-
2	ND093121-0480	1	Pin	-
3	ND093127-0410	1	Spring	-
4	ND093164-1020	1	Nut	-
5	ND093175-2560	**	Shim, 0.70mm	-
	ND093175-2570	**	Shim, 0.75mm	-
	ND093175-2580	**	Shim, 0.80mm	-
	ND093175-2590	**	Shim, 0.85mm	-
	ND093175-2600	**	Shim, 0.90mm	-
	ND093175-2530	**	Shim, 0.95mm	-
	ND093175-2610	**	Shim, 0.975mm	-
	ND093175-2180	**	Shim, 1.00mm	-
	ND093175-2620	**	Shim, 1.025mm	-
	ND093175-2190	**	Shim, 1.05mm	-
	ND093175-2630	**	Shim, 1.075mm	-
	ND093175-2200	**	Shim, 1.10mm	-
	ND093175-2640	**	Shim, 1.125mm	-
	ND093175-2210	**	Shim, 1.15mm	-
	ND093175-2650	**	Shim, 1.175mm	-
	ND093175-2220	**	Shim, 1.20mm	-
	ND093175-2660	**	Shim, 1.225mm	-
	ND093175-2420	**	Shim, 1.275mm	-
	ND093175-2240	**	Shim, 1.30mm	-
	ND093175-2430	**	Shim, 1.325mm	-
	ND093175-2250	**	Shim, 1.35mm	-
	ND093175-2440	**	Shim, 1.375mm	-
	ND093175-2260	**	Shim, 1.40mm	-
	ND093175-2450	**	Shim, 1.425mm	-
	ND093175-2270	**	Shim, 1.45mm	-
	ND093175-2460	**	Shim, 1.475mm	-
	ND093175-2280	**	Shim, 1.50mm	-
	ND093175-2290	**	Shim, 1.55mm	-
	ND093175-2300	**	Shim, 1.60mm	-
	ND093175-2310	**	Shim, 1.65mm	-
	ND093175-2320	**	Shim, 1.70mm	-
	ND093175-2330	**	Shim, 1.75mm	-
	ND093175-2340	**	Shim, 1.80mm	-
6	ND093221-0150	1	Packing	-
7	ND094082-3160	2	Pin (formerly #ND094082-3610)	-
8	6222-15-3120	1	Nozzle	-
9	6204-11-3850	6	Dust Seal	-
10	6221-11-3880	6	Gasket	-
11	6204-11-3810	6	Holder	-
12	01435-01040	6	Bolt	-
13	6204-11-3830	6	Washer	-
14	600-815-2761	6	Glow Plug, 12 Volt	-
	600-815-2770	6	Glow Plug, 24 Volt	-
15	6221-81-4110	5	Jumper	-
16	6204-71-9120	5	Hose, Fuel Return	-
17	6204-71-5581	1	Cap	-
18	07285-00100	10	Clip	-
**As required				

 } See USCG Fuel Supply & Return Line Parts
Detail

Injectors, Glow Plugs, & Fuel Return Lines

L6108A2 - M6108T2 - M6108A2

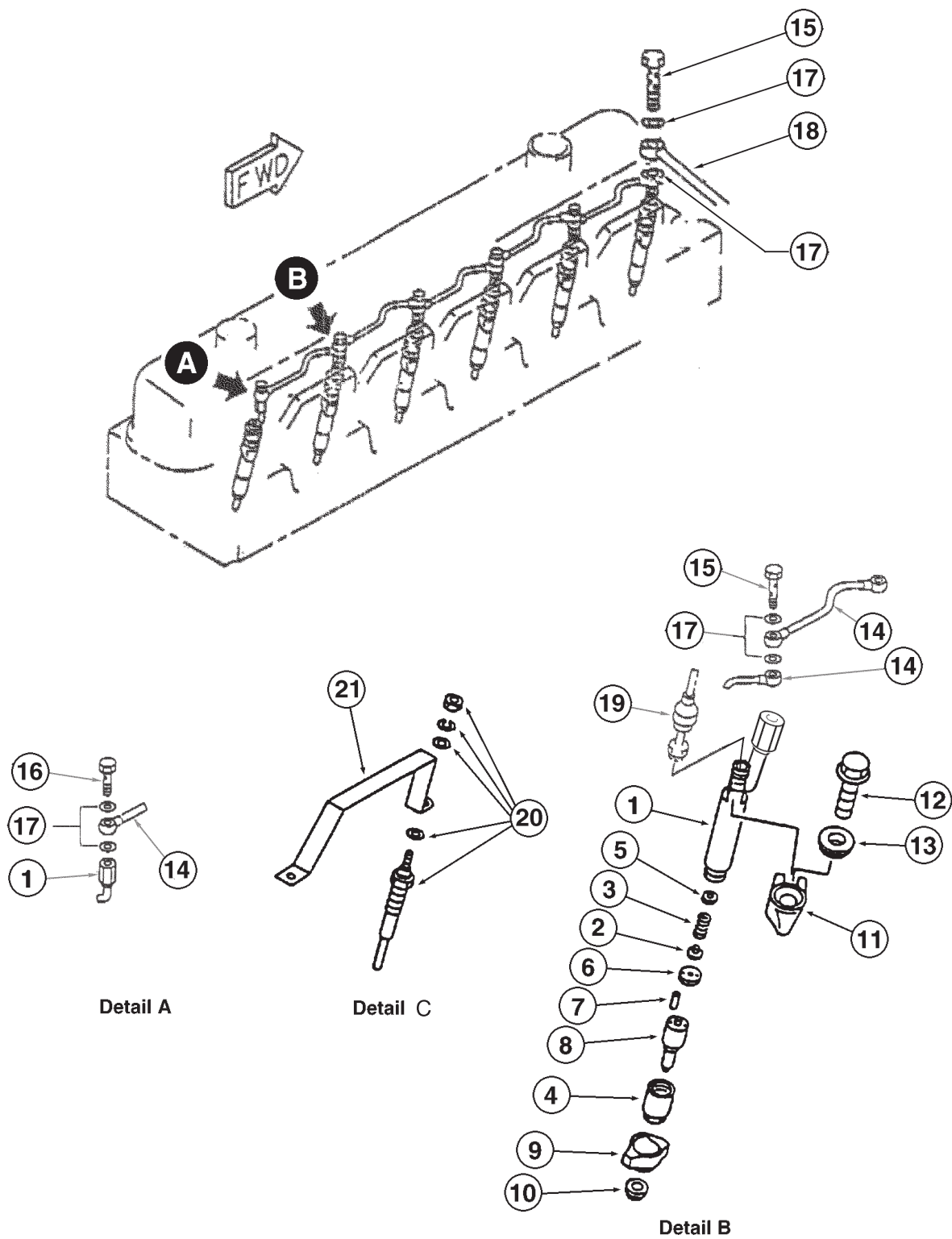


Figure 0421newA

Injectors, Glow Plugs, & Fuel Return Lines

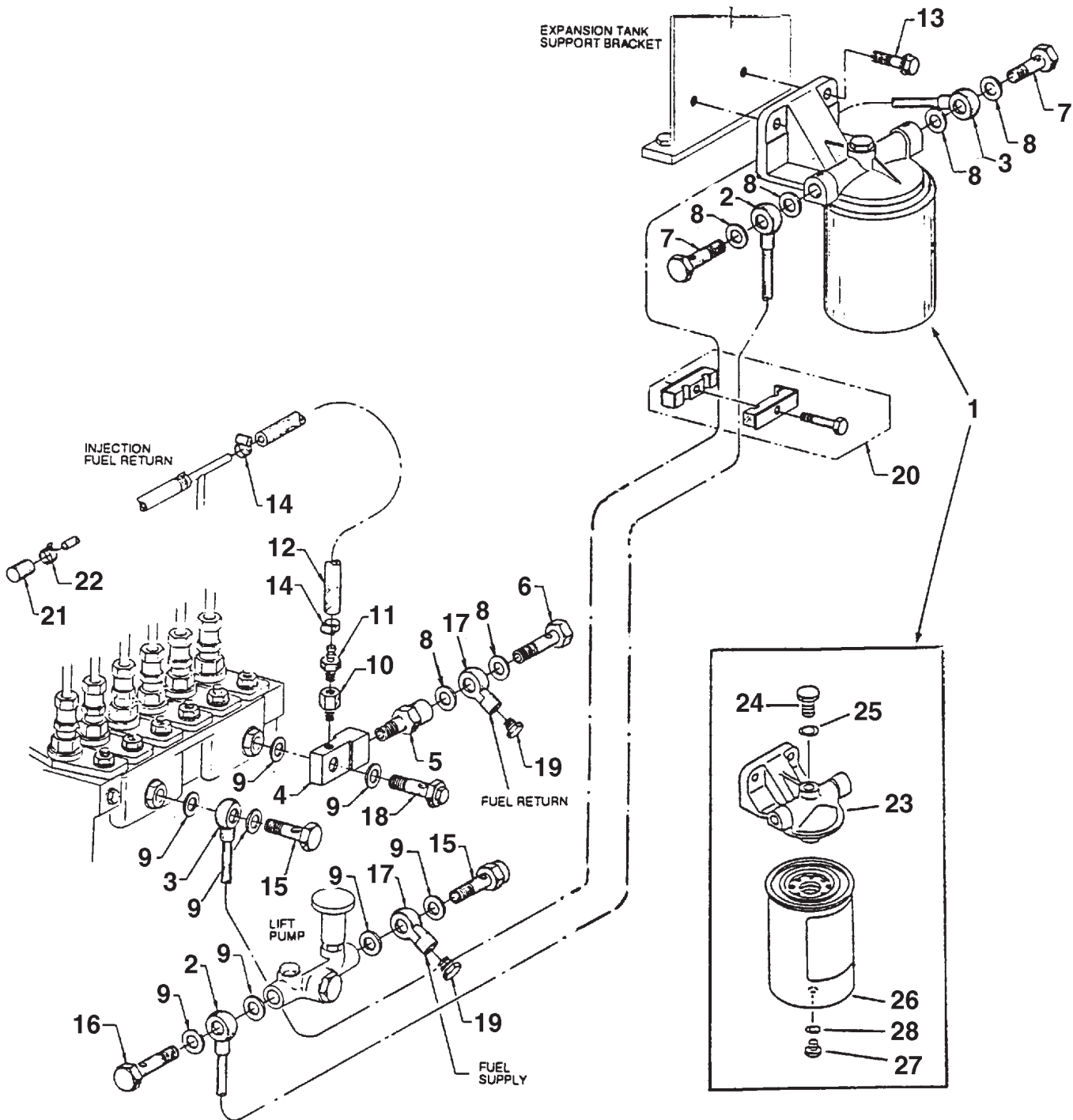
L6108A2 - M6108T2 - M6108A2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	6222-15-3100	6	Fuel Injector	-
1	093110-5370	1	Nozzle Body	-
2	ND093121-0480	1	Pin	-
3	ND093127-0410	1	Spring	-
4	ND093164-1020	1	Nut	-
5	ND093175-2560	**	Shim, 0.70mm	-
	ND093175-2570	**	Shim, 0.75mm	-
	ND093175-2580	**	Shim, 0.80mm	-
	ND093175-2590	**	Shim, 0.85mm	-
	ND093175-2600	**	Shim, 0.90mm	-
	ND093175-2530	**	Shim, 0.95mm	-
	ND093175-2610	**	Shim, 0.975mm	-
	ND093175-2180	**	Shim, 1.00mm	-
	ND093175-2620	**	Shim, 1.025mm	-
	ND093175-2190	**	Shim, 1.05mm	-
	ND093175-2630	**	Shim, 1.075mm	-
	ND093175-2200	**	Shim, 1.10mm	-
	ND093175-2640	**	Shim, 1.125mm	-
	ND093175-2210	**	Shim, 1.15mm	-
	ND093175-2650	**	Shim, 1.175mm	-
	ND093175-2220	**	Shim, 1.20mm	-
	ND093175-2660	**	Shim, 1.225mm	-
	ND093175-2420	**	Shim, 1.275mm	-
	ND093175-2240	**	Shim, 1.30mm	-
	ND093175-2430	**	Shim, 1.325mm	-
	ND093175-2250	**	Shim, 1.35mm	-
	ND093175-2440	**	Shim, 1.375mm	-
	ND093175-2260	**	Shim, 1.40mm	-
	ND093175-2450	**	Shim, 1.425mm	-
	ND093175-2270	**	Shim, 1.45mm	-
	ND093175-2460	**	Shim, 1.475mm	-
	ND093175-2280	**	Shim, 1.50mm	-
	ND093175-2290	**	Shim, 1.55mm	-
	ND093175-2300	**	Shim, 1.60mm	-
	ND093175-2310	**	Shim, 1.65mm	-
	ND093175-2320	**	Shim, 1.70mm	-
	ND093175-2330	**	Shim, 1.75mm	-
	ND093175-2340	**	Shim, 1.80mm	-
6	ND093221-0150	1	Packing	-
7	ND949082-3160	2	Pin	-
8	6222-15-3120	1	Nozzle	-
9	6204-11-3850	6	Dust Seal	-
10	6221-11-3880	6	Gasket	-
11	6204-11-3810	6	Holder	-
12	01435-01040	6	Bolt	-
13	6204-11-3830	6	Washer	-
14	6222-75-5310	5	Tube, Fuel Return	-
15	6152-71-5690	5	Banjo Bolt	-
16	6127-11-3152	1	Banjo Bolt	-
17	07005-00812	17	Gasket	-
18	6222-75-5340	1	Tube, Fuel Return	-
19	6221-71-5750	6	Dust Cover	-
20	600-815-2761	6	Glow Plug 12 Volt	-
	600-815-2770	6	Glow Plug 24 Volt	-
21	6221-81-4110	5	Jumper	-

**As required

Fuel Filter & Mounting L-M6108T-A

Without Fuel Solenoid Valve



A-5422 / C-2682

Fuel Filter & Mounting L-M6108T-A

Without Fuel Solenoid Valve

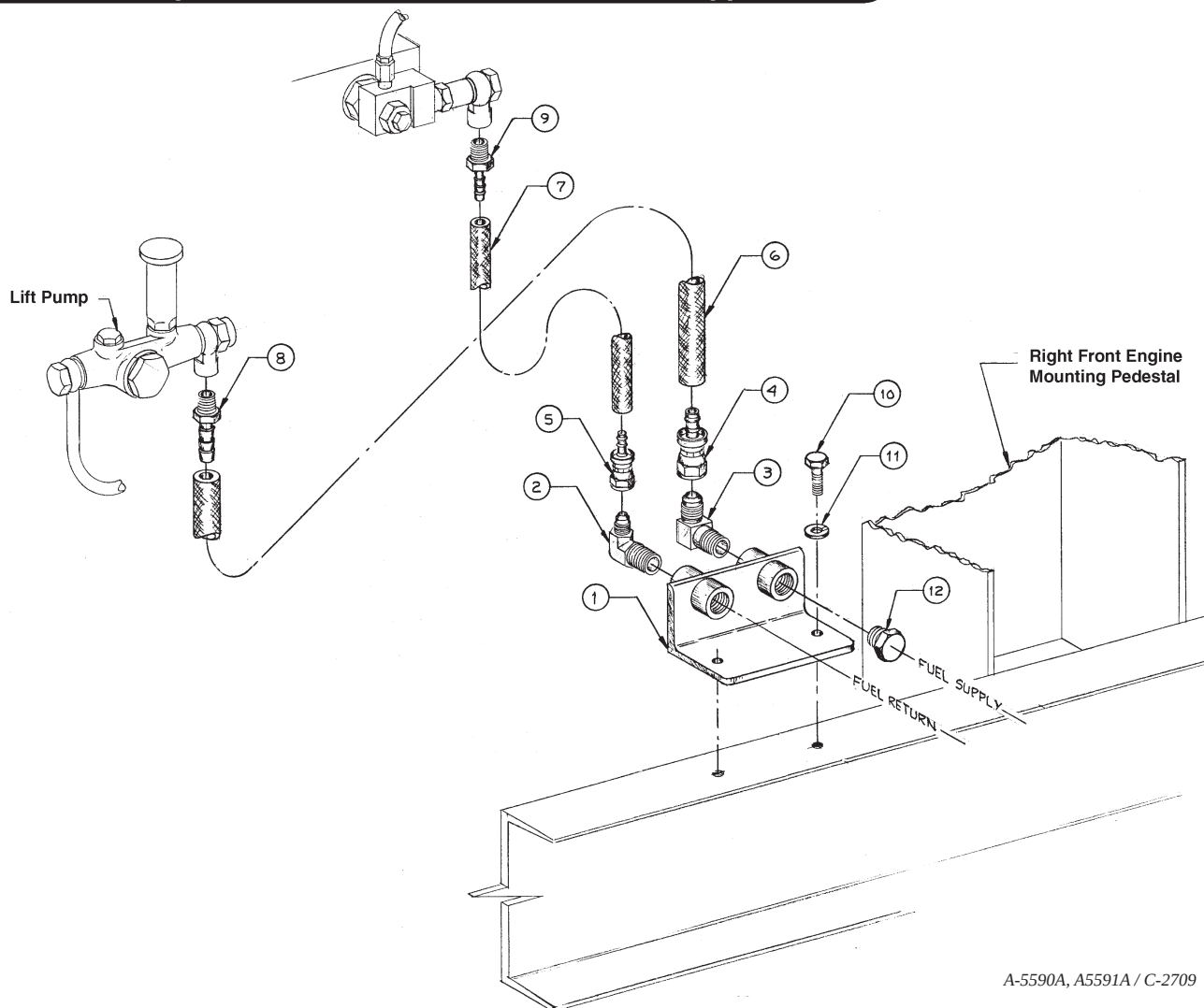
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6221-71-6200	1	Fuel Filter Assembly (includes keys #23 - #28)	-
2	27-55701	1	Tube, Fuel Filter Supply	up to S/N xxxx-0969
	27-55703	1	Tube, Fuel Filter Supply	from S/N xxxx-0970
3	27-55702	1	Tube, Injection Pump Fuel Supply	up to S/N xxxx-0969
	27-55704	1	Tube, Injection Pump Fuel Supply	from S/N xxxx-0970
4	6212-71-8520	1	Joint	-
5	6112-53-7720	1	Nipple	-
6	07206-31014	1	Banjo Bolt	-
7	0720611014	2	Banjo Bolt	-
8	07005-01412	6	Washer	-
9	NDO9022-0070	8	Washer	-
10	21-00139	1	Adapter, 1/8 BSPT x 1/8 NPT	-
11	21-51092	1	Male Connection, Brass 1/8 NPT x 3/16 HB	-
12	18-55701	1	Hose, 3/16" ID x 22"	-
13	01435-21030	2	Capscrew, Hex Head M10 x 1.5 x 30mm	-
14	19-00002	2	Hose Clamp #2	-
15	ND092223-0070	1	Banjo Bolt w/Screen	-
16	ND949180-0310	1	Banjo Bolt	-
17	21-52203	2	Banjo Fitting 1/4 NPT Female Thread	-
18	ND090310-0080	1	Banjo Bolt w/ Check Valve	-
19	21-10003	2	Plug, 1/4 NPT (for shipping)	-
20	6151-71-5370	1	Clip Assembly	-
21	6204-71-5581	1	Cap, Fuel Return Line	-
22	07285-00100	1	Hose Clamp	-
23	6221-71-6110	1	Filter Base	-
24	600-311-7520	1	Plug	-
25	07005-01412	1	Washer	-
26	24-54808	1	Fuel Filter (includes keys 27-28)	-
27	6110-73-6231	1	Plug	-
28	07005-00812	1	Washer	-

Fuel Filter & Mounting L-M6108T2-A2

Without Fuel Solenoid Valve

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	6221-71-6200	1	Fuel Filter Assembly (includes keys #23 - #28)	-
2	27-55703	1	Tube, Fuel Filter Supply	-
3	27-55704	1	Tube, Injection Pump Fuel Supply	-
4	6212-71-8520	1	Joint	-
5	6112-53-7720	1	Nipple	-
6	07206-31014	1	Banjo Bolt	-
7	0720611014	2	Banjo Bolt	-
8	07005-01412	6	Washer	-
9	NDO9022-0070	8	Washer	-
10	6132-21-4620	1	Adapter	-
11	07005-01012	2	Sealing Washer	-
12	6222-75-5340	1	Tube, Fuel Return	-
13	01435-21030	2	Capscrew, Hex Head M10 x 1.5 x 30mm	-
14	04434-50608	1	Clamp	-
15	ND092223-0070	1	Banjo Bolt w/Screen	-
16	ND949180-0310	1	Banjo Bolt	-
17	21-52203	2	Banjo Fitting 1/4 NPT Female Thread	-
18	ND090310-0080	1	Banjo Bolt w/ Check Valve	-
19	21-10003	2	Plug, 1/4 NPT (for shipping)	-
20	6151-71-5370	1	Clip Assembly	-
21	07206-30710	1	Banjo Bolt	-
23	6221-71-6110	1	Filter Base	-
24	600-311-7520	1	Plug	-
25	07005-01412	1	Washer	-
26	24-54808	1	Fuel Filter (includes keys 27-28)	-
27	6110-73-6231	1	Plug	-
28	07005-00812	1	Washer	-

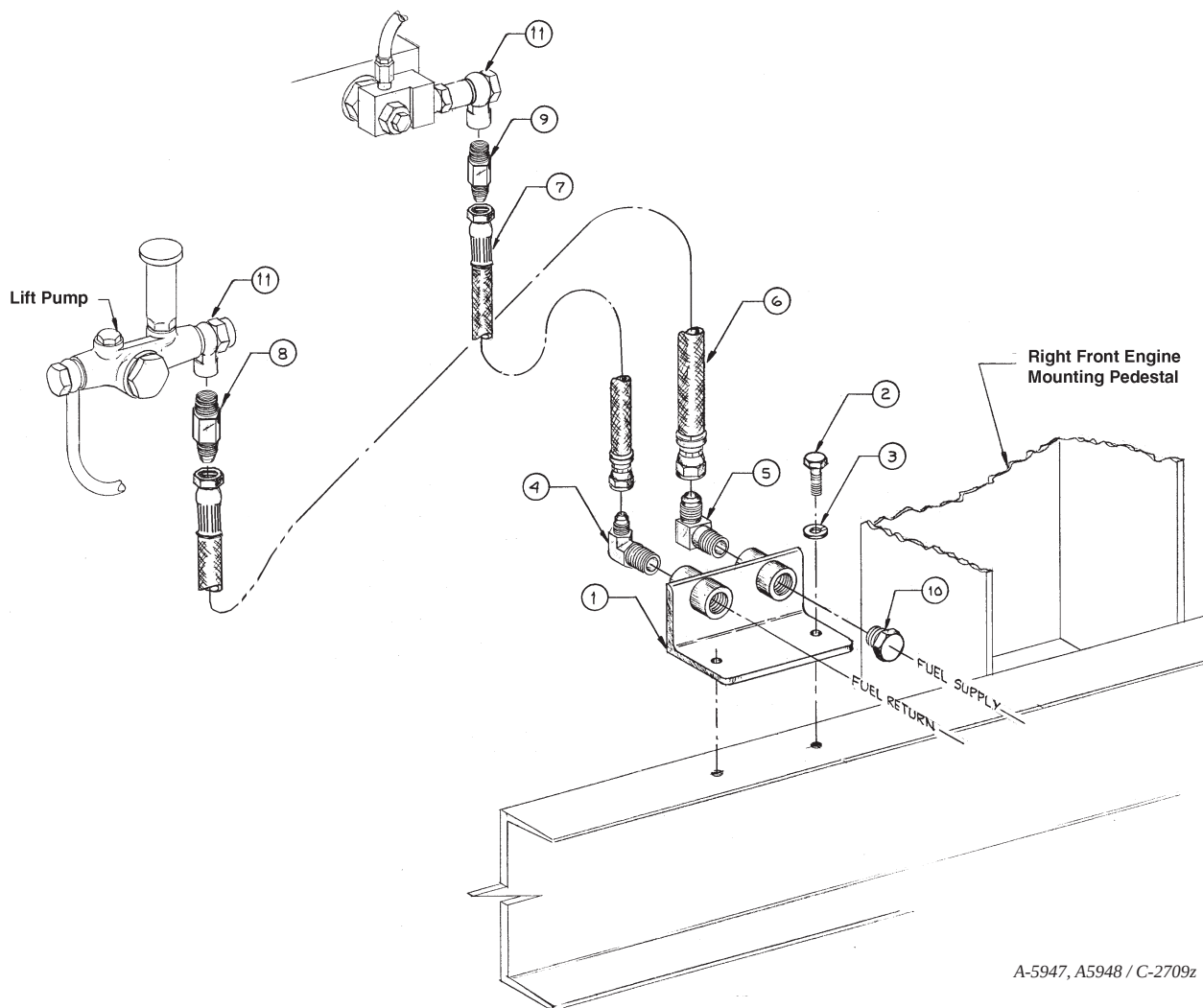
Fuel Line System, Standard Mounts & Push-On Type



A-5590A, A5591A / C-2709

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-51098	1	Fuel Line Connection Manifold	-
2	21-01014	1	Male Elbow 90°, Brass 3/8 NPT x 1/4-45T	-
3	21-01015	1	Male Elbow 90°, Brass 3/8 NPT x 3/8-45T	-
4	21-71032	2	Female Swivel, Brass 3/8 HB x 3/8-45T	-
5	21-71045	2	Female Swivel, Brass 1/4 HB x 1/4-45T	-
6	41-01020	22	Hose 3/8" ID (Push-on, for Centerbonded Mounts)	-
	41-01020	26	Hose 3/8" ID (Push-on, for Hydrolastic Mounts)	-
7	41-01011	26	Hose 1/4" ID (Push-on, for Centerbonded Mounts)	-
	41-01011	33	Hose 1/4" ID (Push-on, for Hydrolastic Mounts)	-
8	21-71033	1	Male Connector, Brass 1/4 NPT x 3/8-45T	-
9	21-52208	1	Male Connector, Brass 1/4 NPT x 1/4-45T	-
10	12-01131	2	Capscrew, Hex Head M6 x 1.0 x 20 mm	-
11	15-01132	2	Lock Washer Helical M6	-
12	21-31003	2	Plug, Hex Head Brass 3/8 NPT	-

Fuel Line Connections with USCG Approved Hose M6108



A-5947, A5948 / C-2709z

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	10-51098	1	Manifold, Fuel Line Connection 3/8 NPT	-
2	12-01131	2	Capscrew, Hex Head M6 x 1.0 x 20 mm	-
3	15-01132	2	Lock Washer, Helical M6	-
4	21-51601	1	Male Elbow 90°, Steel 3/8 NPT x 1/4-37T	-
5	21-00606	1	Male Elbow 90°, Steel 3/8 NPT x 3/8-37T	-
6	18-72201	1	Hose Assembly 3/8" ID x 16" (units on Centerbonded Mounts)	-
	18-54805	1	Hose Assembly 3/8" ID x 21" (units on Hydrolastic Mounts)	-
7	18-52217	1	Hose Assembly 1/4" ID x 21.5" (units on Centerbonded Mounts)	-
	18-52105	1	Hose Assembly 1/4" ID x 29.5" (units on Hydrolastic Mounts)	-
8	21-00612	1	Male Connector, Steel, 1/4 NPT x 3/8-37T	-
9	21-74406	1	Male Connector, Steel, 1/4 NPT x 1/4-37T	-
10	21-31003	2	Plug, Hex Head, Brass 3/8 NPT (for shipping)	-

Fuel Feed Pump L-M6108T-A

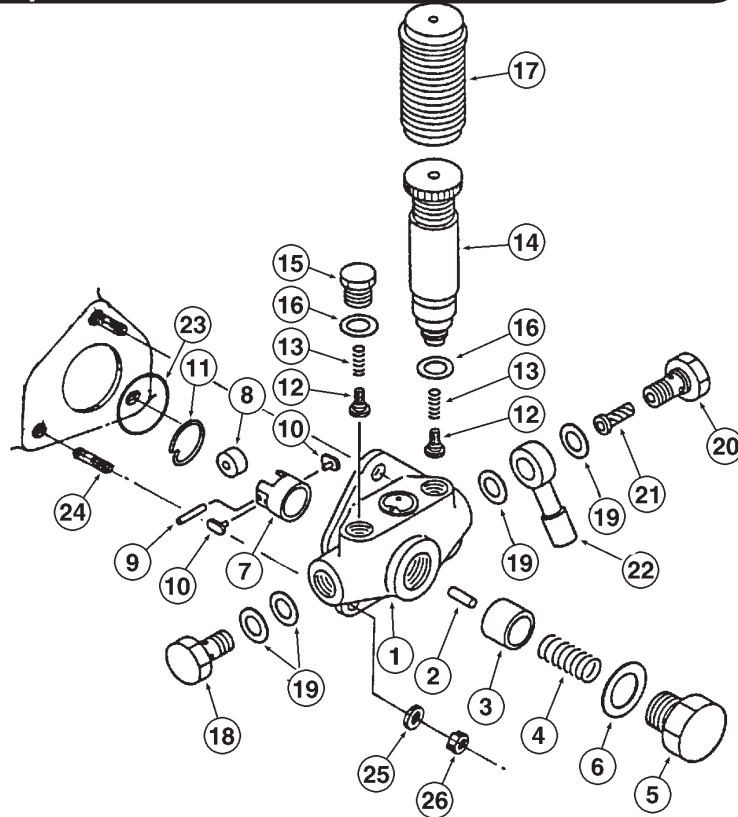


Figure 0481

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	092100-1761	1	Feed Pump Assembly (includes keys #1 - #21)	-
1	092120-0370	1	Housing	-
2	092168-0150	1	Push Rod	-
3	092171-0011	1	Piston	-
4	092181-0060	1	Spring	-
5	092184-0021	1	Plug	-
6	949018-1240	1	Washer	-
7	092174-0050	1	Tappet	-
8	092176-0010	1	Tappet Roller	-
9	092178-0040	1	Pin	-
10	092179-0070	2	Sliding Block	-
11	949072-0940	1	Snap Ring	-
12	092121-0011	2	Check Valve	-
13	092124-0010	2	Valve Spring	-
14	092130-0220	1	Primer Pump	-
15	092126-0010	1	Plug	-
16	092125-0010	2	Gasket	-
17	090061-0011	1	Cover	-
18	949180-0310	1	Screw	-
19	090222-0070	1	Nipple	-
20	092223-0070	1	Screw	-
21	092220-0040	1	Screen	-
22	21-52203	1	Banjo Fitting, 14 mm ID x 1/4 NPT	-
23	949140-0380	1	O-Ring, Feed Pump Mounting	-
24	949043-0010	3	Stud	-
25	15-01132	3	Lock Washer M6	-
26	14-01131	3	Hex Nut M6 x 1.0	-

Fuel Feed Pump L-M6108T2- A2

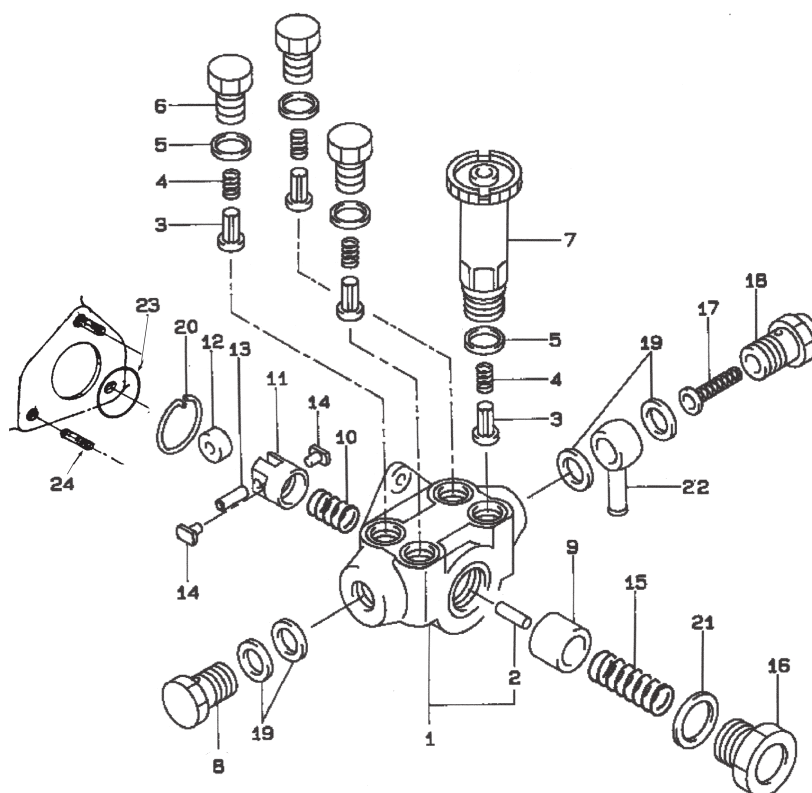
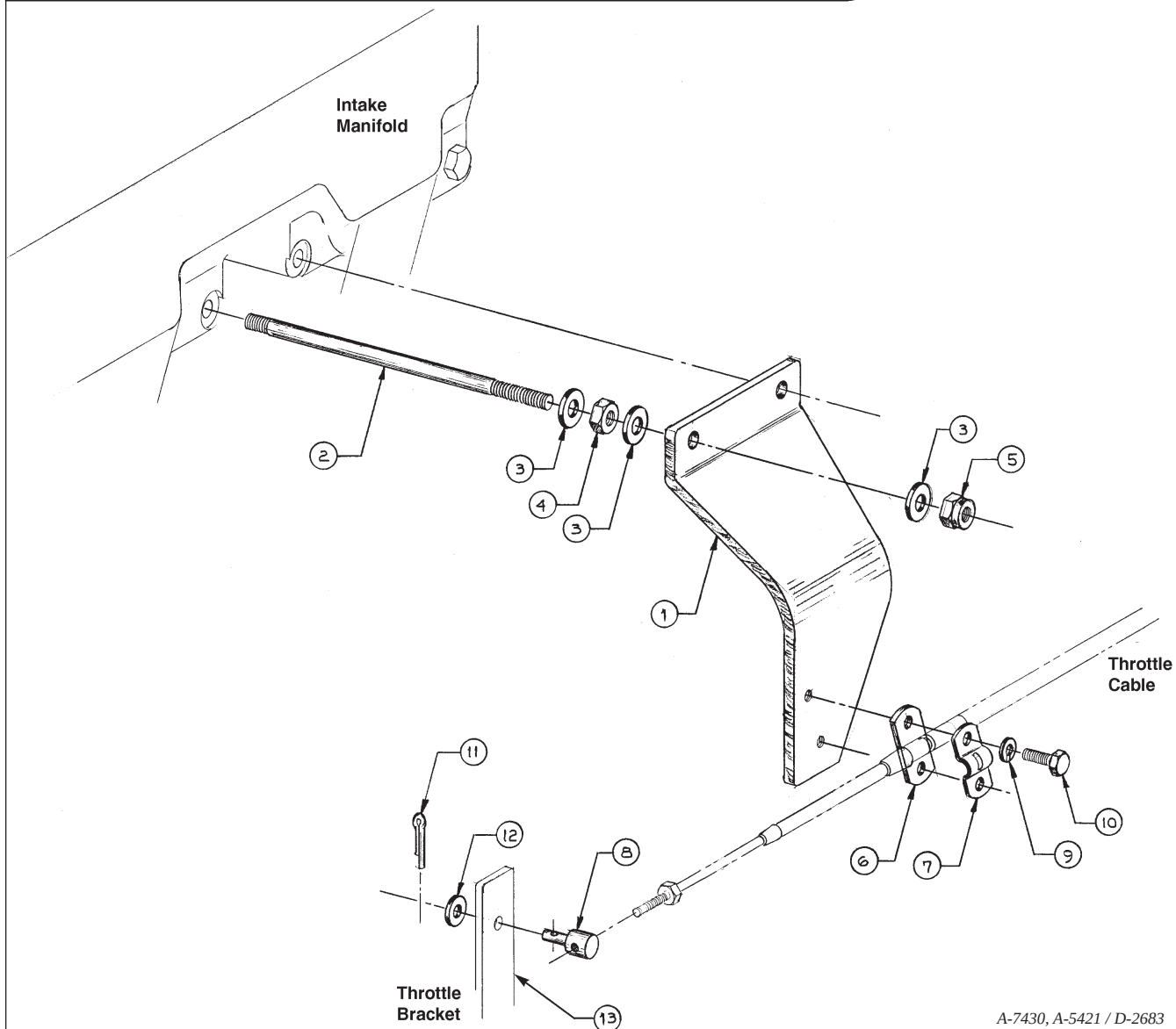


Figure PMO236

KEY	PART NUMBER	QTY	DESCRIPTION	S/N
••	ND092100-2491	1	Fuel Feed Pump Assembly (formerly #ND092100-2490, includes keys 1-21)	-
1	092120-0630	1	Housing	-
2	092168-0160	1	Feed Pump Push Rod	-
3	092121-0011	4	Feed Pump Valve	-
4	092124-0010	4	Feed Pump Spring	-
5	092125-0010	4	Gasket	-
6	092126-0010	3	Plug	-
7	092130-0220	1	Pump Assembly	-
8	949180-0310	1	Screw	-
9	092171-0011	1	Piston	-
10	092173-0010	1	Spring	-
11	092174-0050	1	Tappet	-
12	092176-0010	1	Feed Pump Roller	-
13	092178-0040	1	Pin	-
14	092179-0070	2	Feed Pump Block	-
15	092182-0050	1	Spring	-
16	092184-0021	1	Plug	-
17	092220-0040	1	Filter	-
18	092223-0070	1	Screw	-
19	090222-0070	4	Washer	-
20	949072-0940	1	Snap Ring	-
21	949018-1240	1	Washer	-
22	21-52203	1	Banjo Fitting, 14 mm ID x 1/4 NPT	-
23	949140-0380	1	O-Ring	-
24	949043-0010	3	Stud	-
25	15-01132	3	Lock Washer M6	-
26	14-01131	3	Hex Nut M6 x 1.0	-

Throttle Assembly L6108



A-7430, A-5421 / D-2683

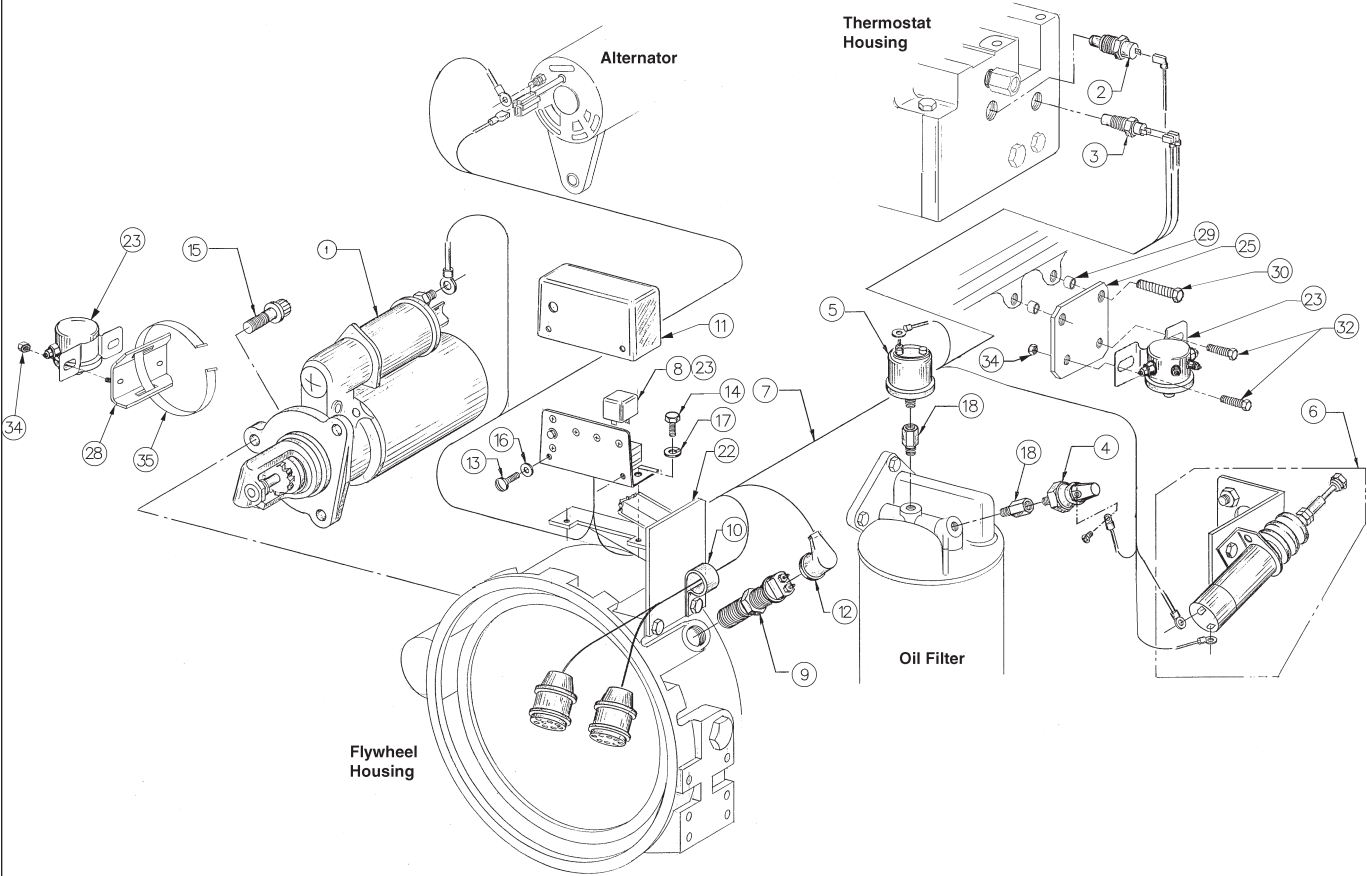
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-95701	1	Throttle Bracket	-
2	13-95701	2	Stud, Throttle Bracket Mounting	-
3	15-00701	6	Flat Washer M8	-
4	14-00711	2	Hex Nut, M8 x 1.25	-
5	14-04802	2	Nylock Hex Nut M8 x 1.25	-
6	23-91002	1	Shim	-
7	23-91001	1	Clamp	-
8	23-91003	1	Pivot	-
9	15-04400	2	Helical Lock Washer M5	-
10	12-04405	2	Capscrew, Hex Head M5 x 0.8 x 20 mm	-
11	00-54801	1	Cotter Pin	-
12	15-00706	**	Flat Washer, M8 S/S ** (As required)	-
13	ND091071-3070	1	Throttle Lever Extension	-
14	12-00030	2	Capscrew, Hex Head M6 x 1.0 x 16 mm	-
15	15-01132	2	Lock Washer M6	-

Throttle Assembly M6108

Artwork not available at this time

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-94804	1	Throttle Bracket	-
2	23-75703	2	Bracket, Tube and/or Ftg. Support	-
3	13-55403	1	Stud	-
4	12-00066	2	Capscrew, Socket Head M6 x 1.0 x 45 mm	-
5	15-01132	2	Lock Washer, Helical M6	-
6	12-00112	2	Capscrew, Hex Head 1/4-20 x 1"	-
7	15-00121	4	Flat Washer 1/4" SAE	-
8	14-00112	2	Hex Nut, Nylock 1/4-20	-
9	14-00121	4	Hex Nut 1/4-28	-
10	15-00102	4	Lock Washer, Helical 1/4	-
11	23-94803	1	Throttle Lever	-
12	01435-00616	2	Capscrew, Hex Head Flanged M6 x 1.0 x 16 mm	-

Engine Electrical - Standard Ground, 12 & 24 Volt L6108

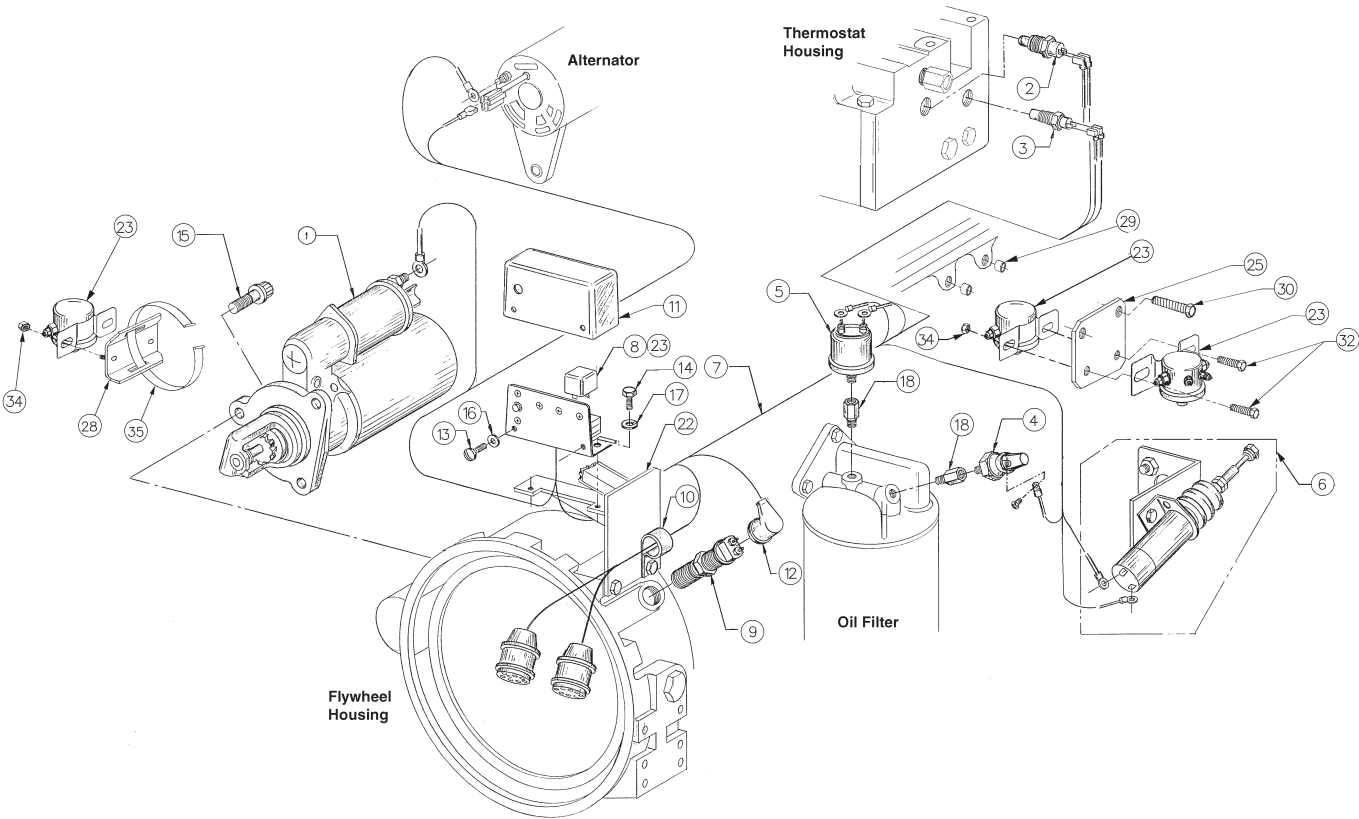


A-5258, A-5216 / D-2240B

Engine Electrical -Standard Ground, 12 & 24 Volt L6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-45701	1	Starter 12 Volt Standard Ground	-
	22-45703	1	Starter 24 Volt Standard Ground	-
2	22-41025	1	Switch, Engine Temperature 210°F	-
3	22-44810	1	Sender, Engine Temperature, Single Station, 250°F	-
	22-74802	1	Sender, Engine Temperature, Dual Station, 250°F	-
4	22-40233	1	Switch, Oil Pressure 15 PSI	-
5	22-44871	1	Sender, Oil Pressure, Single Station 150 PSI	-
	22-44872	1	Sender, Oil Pressure, Dual Station 150 PSI	-
6		1	Stop Solenoid (see assembly detail)	-
7	22-45717	1	Wire Harness Assembly (Late Production - see note)	-
8	22-42047	2	Relay, 12 Volt	-
	22-40085	2	Relay, 24 Volt	-
9	22-44812	1	Sender, Magnetic	-
10	19-71031	1	Adelle Clamp	-
11	00-44801	1	Relay & Circuit Breaker Cover	-
12	22-44813	1	Rubber Boot	-
13	12-00084	2	Machine Screw, Pan Head #10-32 x 1/4"	-
14	12-00111	2	Capscrew, Hex Head 1/4-20 x 3/4"	-
15	12-45001	3	Capscrew, 12 Point M16 x 2.0 x 40 mm	-
16	15-00032	2	Flat Washer, #10	-
17	15-00102	2	Lock Washer, 1/4"	-
18	21-00139	2	Female Connector, Steel 1/8 BSPT x 1/8 NPT	-
19	600-815-2770	6	Glow Plug 24 Volt (not shown)	-
	600-815-2761	6	Glow Plug 12 Volt (not shown)	-
20	22-41002	1	Extension Harness, 20 ft. (not shown)	-
21	22-95710	1	Main Instrument Panel 12 Volt (not shown - see parts detail)	-
	22-95735	1	Main Instrument Panel 24 Volt (not shown - see parts detail)	-
22		1	Bracket, Relay Panel and/or Air Filter Support (see air filter assembly details)	-
23	22-41080	2	Solenoid 12 Volt	-
	22-41079	2	Solenoid 24 Volt	-
25	23-45712	1	Relay Mounting Bracket	-
26	21-00135	**	Bushing, Brass 1/2 NPT x 1/4 NPT	-
	21-51099	**	Bushing, Brass 3/8 NPT x 1/4 NPT	-
27	15-04803	**	Lock Washer, Hi-Collar M16	-
28	23-40009	1	Bracket, Solenoid Mounting	-
29	21-75015	2	Spacer	-
30	12-00728	2	Capscrew, Hex Head M8 x 1.25 x 140 mm	-
31	15-00702	2	Lock Washer, Helical M8	-
32	12-00111	2	Capscrew, Hex Head 1/4-20 x 3/4"	-
33	15-00121	2	Flat Washer 1/4"	-
34	14-00112	4	Hex Nut, Nylock 1/4-20	-
35	19-00088	1	Hose Clamp #88	-
Note: Early Production Wire Harness has been replaced by kits 22-45775 (12 Volt) or 22-45776 (24 Volt) as required. Includes keys #7, 8, 23, 25, & 28-35. ** As required				

Engine Electrical -Isolated Ground, 12 & 24 Volt L6108

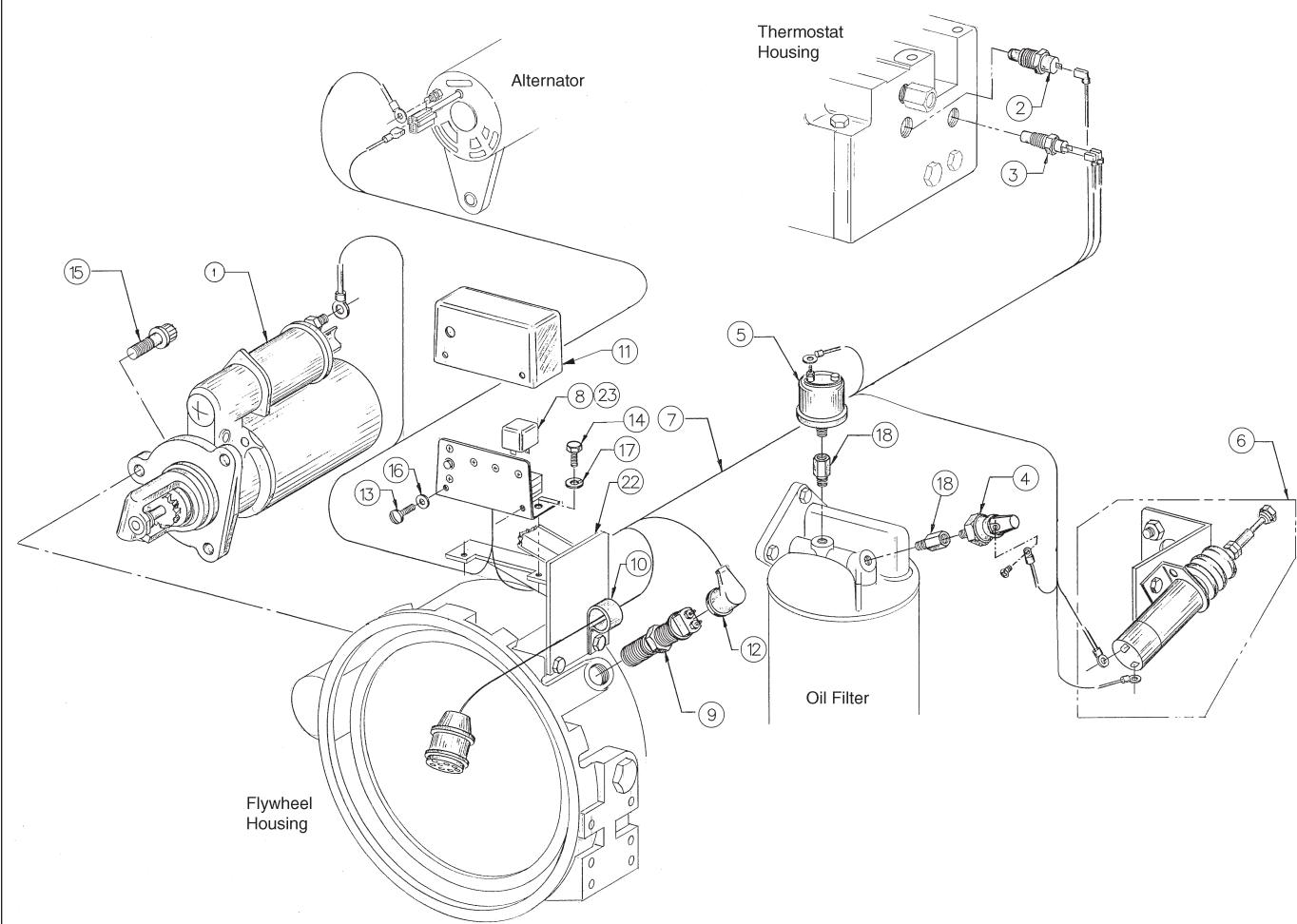


A-6740, A-6741 / D-2773

Engine Electrical -Isolated Ground, 12 & 24 Volt L6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-45708	1	Starter 12 Volt Isolated Ground	-
	22-45712	1	Starter 24 Volt Isolated Ground	-
2	22-40906	1	Switch, Water Temperature 210°F	-
3	22-44810	1	Sender, Engine Temperature, Single Station 250°F	-
	22-74802	1	Sender, Engine Temperature, Dual Station 250°F	-
4	22-40236	1	Switch, Oil Pressure	-
5	22-40201	1	Sender, Oil Pressure, Single Station 150 PSI	-
	22-40108	1	Sender, Oil Pressure, Dual Station 150 PSI	-
6		1	Stop Solenoid (see assembly detail)	-
7	22-45717	1	Wire Harness Assembly (Late Production - see note)	-
8	22-40247	2	Relay, 12 Volt	-
	22-40085	2	Relay, 24 Volt	-
9	22-44812	1	Sender, Magnetic	-
10	19-71031	1	Adelle Clamp	-
11	00-44801	1	Circuit Breaker & Relay Panel Cover	-
12	22-44813	1	Rubber Boot	-
13	12-00084	2	Machine Screw, Pan Head #10-32 x 1/4"	-
14	12-00111	2	Capscrew, Hex Head 1/4-20 x 3/4"	-
15	12-45001	3	Capscrew, 12 Point M16 x 2.0 x 40 mm	-
16	15-00032	2	Flat Washer, #10	-
17	15-00102	2	Lock Washer, 1/4"	-
18	21-00139	2	Female Connector, Steel, 1/8 NPT x 1/8 BSPT	-
19	600-815-2770	6	Glow Plug 24 Volt	-
	600-815-2761	6	Glow Plug 12 Volt	-
20	22-41002	1	Extension Harness, 20 ft. (not shown)	-
21	22-95710	1	Main Instrument Panel 12 Volt	-
	22-95735	1	Main Instrument Panel 24 Volt	-
22		1	Bracket, Relay Panel and/or Air Filter Support (see Air Filter Assembly detail)	-
23	22-41080	2	Solenoid 12 Volt DC 65 Amp	-
24	22-45713	1	Harness Addition	-
25	23-45712	1	Relay Mounting Bracket	-
26	21-00135	**	Bushing, Brass, 1/2 NPT x 1/4 NPT	-
	21-51099	**	Bushing, Brass, 3/8 NPT x 1/4 NPT	-
27	15-04803	**	Lock Washer, Hi-Collar M16	-
28	23-40009	1	Bracket, Solenoid Mounting	-
29	21-75015	2	Spacer	-
30	12-00728	2	Capscrew, Hex Head M8 x 1.25 x 140 mm	-
31	15-00702	2	Lock Washer, Helical M8	-
32	12-00111	2	Capscrew, Hex Head 1/4-20 x 3/4"	-
33	15-00121	4	Flat Washer 1/4" SAE	-
34	14-00112	4	Hex Nut, Nylock 1/4-20	-
35	19-00088	1	Hose Clamp #88	-
Note: Early Production Wire Harness has been replaced by kits 22-45775 (12 Volt) or 22-45776 (24 Volt) as required. Includes keys #7, 8, 23, 25, & 28-35. ** As required				

Engine Electrical -Standard Ground 12 Volt LC6108

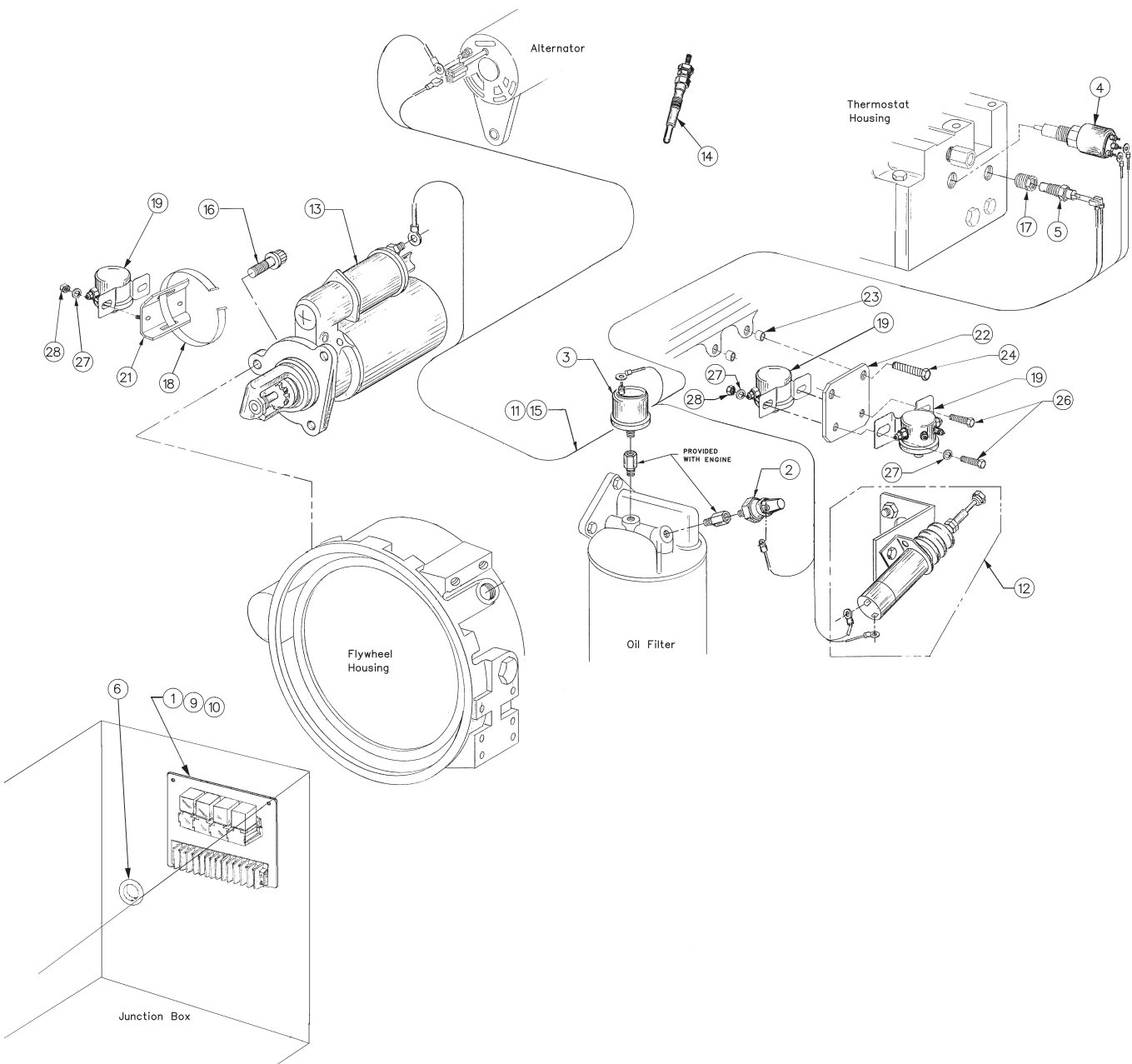


A-6682 / D-3448

Engine Electrical -Standard Ground 12 Volt LC6108

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-45701	1	Starter 12 Volt	-
2	22-41025	1	Switch, Water Temperature 210°F	-
3	22-44810	1	Sender, Engine Temperature Sender 250°F	-
4	22-40233	1	Switch, Oil Pressure 15 PSI	-
5	22-44871	1	Pressure Sender, 0-150 PSI	-
6	22-45715	1	Stop Solenoid Kit 12 Volt (see assembly detail)	-
7	22-45709	1	Wire Harness Assembly	-
8	22-42047	4	Relay, 12 Volt DC 50 Amp	-
9	22-44812	1	Magnetic Pick-up	-
10	19-71031	1	Adelle Clamp	-
11	00-44801	2	Circuit Breaker & Relay Cover	-
12	22-44813	1	Rubber Boot	-
13	12-00084	4	Machine Screw, Pan Head #10-32 x 1/4"	-
14	12-00111	2	Capscrew, Hex Head 1/4-20 x 3/4"	-
15	12-45001	3	Capscrew, 12 Point M16 x 2.0 x 40 mm	-
16	15-00032	4	Flat Washer, #10	-
17	15-00102	4	Lock Washer, 1/4"	-
18	21-00139	2	Female Connector 1/8 BSPT x 1/8 NPT	-
20	22-40930	1	Extension Harness, 20 ft. (not shown)	-
21	22-45740	1	Main Instrument Panel 12 Volt (not shown - see parts detail)	-
22	23-05701	1	Bracket, Air Filter & Relay Panel Mounting	-
23	22-41007	1	Horn 12 Volt	-

Engine Electrical -12 & 24 Volt Standard Ground M6108

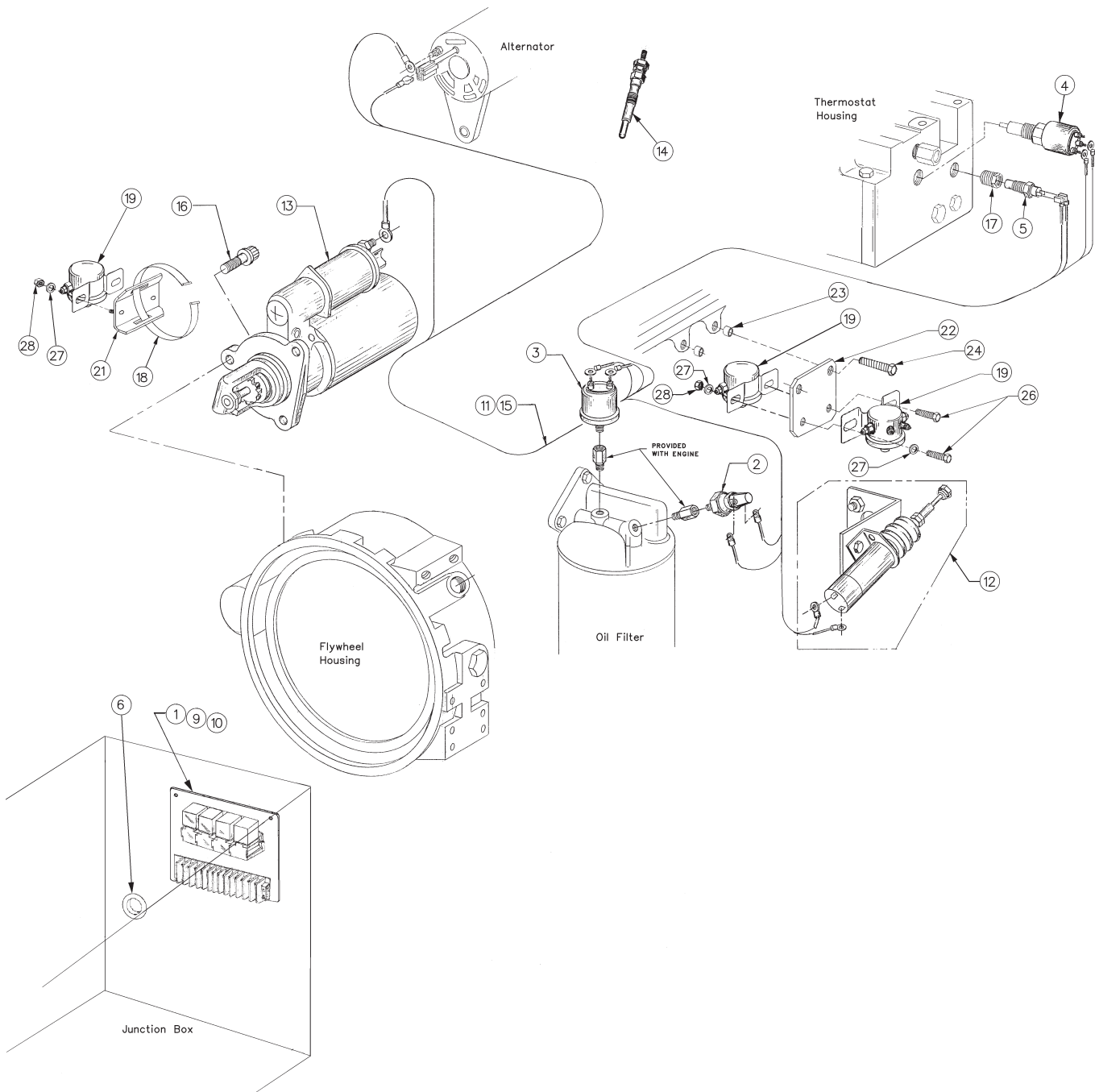


A-5608, A-8059/ D-3443

Engine Electrical -12 & 24 Volt Standard Ground M6108

KEY	PART NUMBER	QTY	DESCRIPTION	S/N
1	22-70083	1	Relay Board Assembly 12 Volt (replaces 22-70007, see parts detail)	-
	22-70084	1	Relay Board Assembly 24 Volt (replaces 22-70018, see parts detail)	-
	22-70086	1	Autostart Relay Board Assembly 12 Volt (replaces 22-70062, see parts detail)	-
	22-70087	1	Autostart Relay Board Assembly 24 Volt (replaces 22-70063, see parts detail)	-
2	22-40233	1	Switch, Oil Pressure 15 PSI	-
3	22-44871	1	Sender, Pressure, Single Station, 0-150 PSI	-
4	22-40925	1	Switch, Temperature, 215°F	-
5	22-44810	1	Sender, Temperature, Single Station, 250°F	-
6	00-40028	1	Grommet	-
7	19-41900	4	Adelle Clamp	-
8	385620140	1	Plug Assembly	-
9	12-00001	4	Machine Screw, BH Slotted #10-32 x 3/4" S/S	-
10	14-00006	4	Hex Nut, Nylock #10-32	-
11	22-45706	1	Wire Harness	-
12		1	Stop Solenoid (see assembly detail)	-
13	22-45701	1	Starter, 12 Volt	-
	22-45703	1	Starter, 24 Volt	-
14	600-815-2761	6	Glow Plug 12 Volt	-
	600-815-2770	6	Glow Plug 24 Volt	-
15	22-44829	1	Ground Cable	-
16	12-45001	3	Capscrew, 12 Pt M16 x 2.0 x 40 mm	-
17	21-00135	**	Bushing, Brass 1/2 NPT x 1/4 NPT	-
	21-51099	**	Bushing, Brass 3/8 NPT x 1/4 NPT	-
18	19-00088	1	Hose Clamp #88	-
19	22-41080	2	Solenoid 12 Volt DC 65 Amp	-
	22-41079	2	Solenoid 24 Volt DC 65 Amp	-
20	15-04803	**	Lock Washer, Hi-Collar M16	-
21	23-40009	1	Bracket, Solenoid Mounting	-
22	23-45712	1	Relay Mounting Bracket	-
23	21-75015	2	Spacer	-
24	12-00728	2	Capscrew, Hex Head M8 x 1.25 x 140 mm	-
25	15-00702	2	Lock Washer, Helical M8	-
26	12-00111	2	Capscrew, Hex Head 1/4-20 x 3/4"	-
27	15-00121	4	Flat Washer 1/4" SAE	-
28	14-00112	2	Hex Nut, Nylock 1/4-20	-
			**As required	

Engine Electrical -12 & 24 Volt Isolated Ground M6108

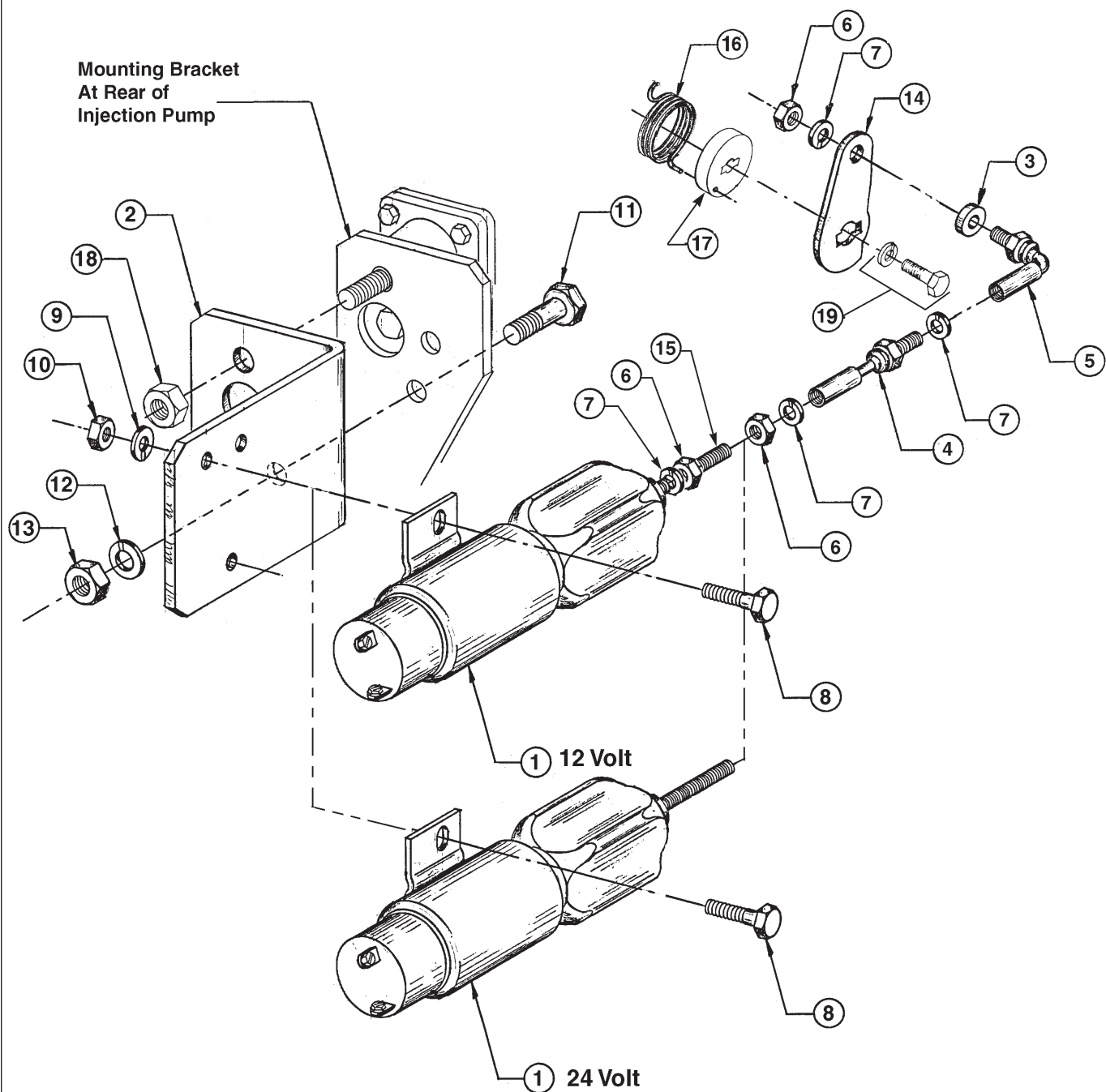


A-6996, A-6173/ D-3442

Engine Electrical -12 & 24 Volt Isolated Ground M6108

KEY	PART NUMBER	QTY	DESCRIPTION	S/N
1	22-70083	1	Relay Board Assembly 12 Volt (replaces 22-70007, see parts detail)	-
	22-70084	1	Relay Board Assembly 24 Volt (replaces 22-70018, see parts detail)	-
	22-70086	1	Autostart Relay Board Assembly 12 Volt (replaces 22-70062, see parts detail)	-
	22-70087	1	Autostart Relay Board Assembly 24 Volt (replaces 22-70063, see parts detail)	-
2	22-40236	1	Oil Pressure Switch 15 PSI	-
3	22-40201	1	Pressure Sender, 0-150 PSI	-
4	22-40925	1	Temperature Switch 215°F	-
5	22-44810	1	Temperature Sender, 250°F	-
6	00-40028	1	Grommet	-
7	19-41900	4	Adelle Clamp	-
8	385620140	1	Plug Assembly	-
9	12-00001	4	Machine Screw, BH Slotted #10-32 x 3/4" S/S	-
10	14-00006	4	Hex Nut, Nylock #10-32	-
11	22-45706	1	Wire Harness	-
12		1	Stop Solenoid (see assembly detail)	-
13	22-45708	1	Starter, 12 Volt (formerly 22-45027)	-
	22-45712	1	Starter, 24 Volt (formerly 22-45028)	-
14	600-815-2770	6	Glow Plug 24 Volt	-
	600-815-2761	6	Glow Plug 12 Volt	-
15	12-45707	1	Harness Addition (Grounding Circuit)	-
16	12-45001	3	Capscrew, 12 Pt M16 x 2.0 x 40 mm	-
17	21-00135	**	Bushing, Brass 1/2 NPT x 1/4 NPT	-
	21-51099	**	Bushing, Brass 3/8 NPT x 1/4 NPT	-
18	19-00088	1	Hose Clamp #88	-
19	22-41080	3	Solenoid 12 Volt DC 65 Amp	-
	22-41079	3	Solenoid 24 Volt DC 65 Amp	-
20	15-04803	**	Lock Washer, Hi-Collar M16	-
21	23-40009	1	Solenoid Mounting Bracket	-
22	23-45712	1	Relay Mounting Bracket	-
23	21-75015	2	Spacer	-
24	12-00728	2	Capscrew, Hex Head M8 x 1.25 x 140 mm	-
25	15-00702	2	Lock Washer, Helical M8	-
26	12-00111	2	Capscrew, Hex Head 1/4-20 x 3/4"	-
27	15-00121	4	Flat Washer 1/4" SAE	-
28	14-00112	4	Hex Nut, Nylock 1/4-20	-
			**As required	

Stop Solenoid & Mounting - 12 & 24 Volt L6108A

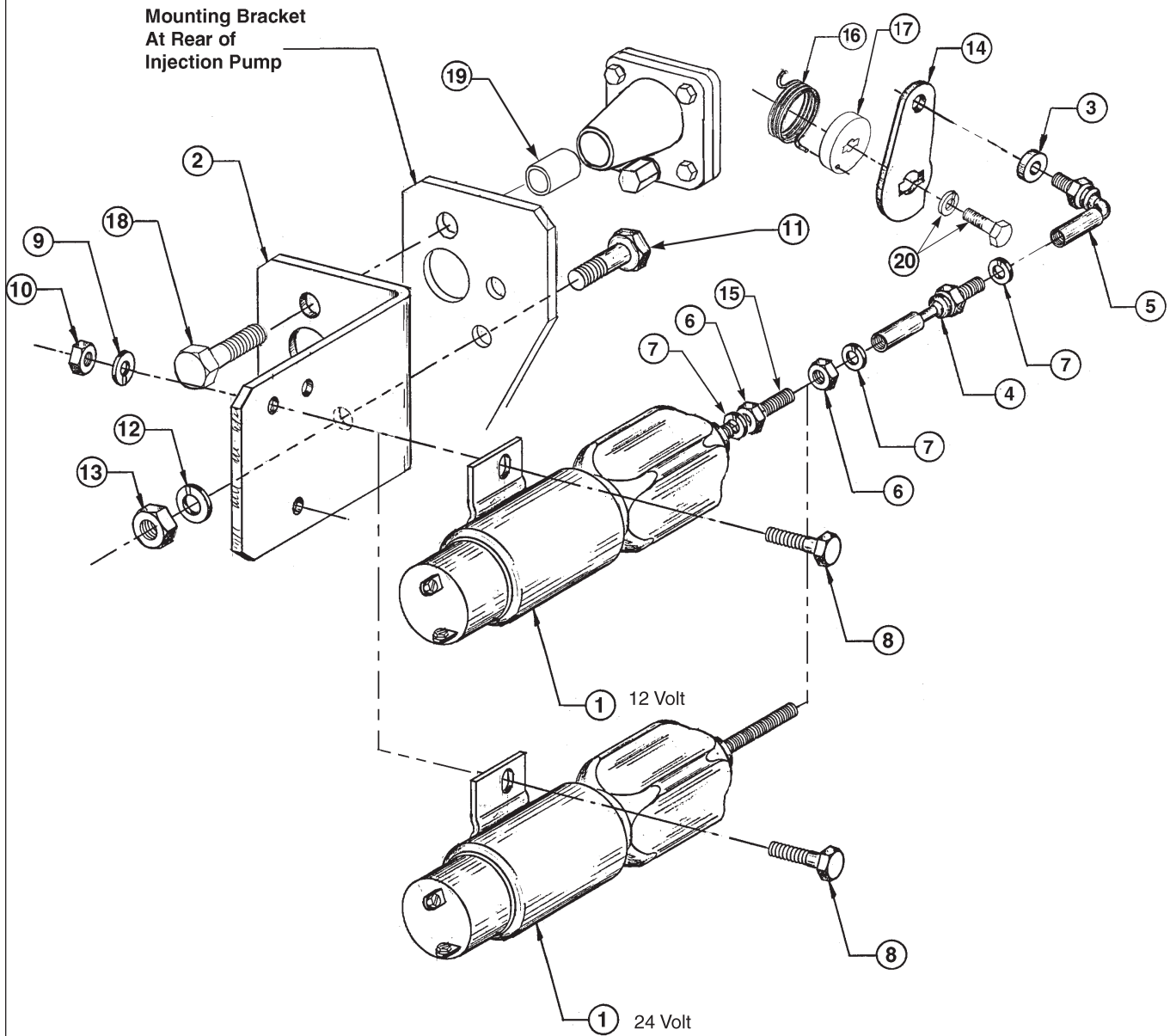


A-5257 / C-2642
A-5215 / C-2623

Stop Solenoid & Mounting - 12 & 24 Volt L6108A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-42054	1	Stop Solenoid 12 Volt	-
	22-40007	1	Stop Solenoid 24 Volt	-
2	23-45700	1	Bracket, Solenoid Mounting	-
3	21-93100	1	Spacer	-
4	00-42501	1	Ball Joint 1/4-28	-
5	00-42502	1	Ball Joint 90°, 1/4-28	-
6	14-00121	**	Hex Nut 1/4-28 (12 Volt)	-
7	15-00018	**	Lock Washer, Helical 1/4 (12 Volt)	-
8	12-00031	2	Capscrew, Hex Head M6 x 1.0 x 25mm	-
9	15-01132	2	Lock Washer, Helical M6	-
10	14-01131	1	Hex Nut M6 x 1.0	-
11	12-00814	1	Capscrew, Hex Head M10 x 1.5 x 35mm	-
12	15-00802	1	Lock Washer M10	-
13	14-00811	1	Hex Nut M10 x 1.5	-
14	23-55404	1	Stop Lever	-
15	13-51001	1	Threaded Rod 1/4-28 x 2-1/2" (12 Volt)	-
16	00-54803	1	Stop Lever Return Spring	-
17	26-55001	1	Spring Cover	-
18	14-00814	1	Hex Nut M10 x 1.25	-
19	91418-06141	1	Capscrew with Washer	-
			**As required	

Stop Solenoid & Mounting - 12 & 24 Volt L6108A2

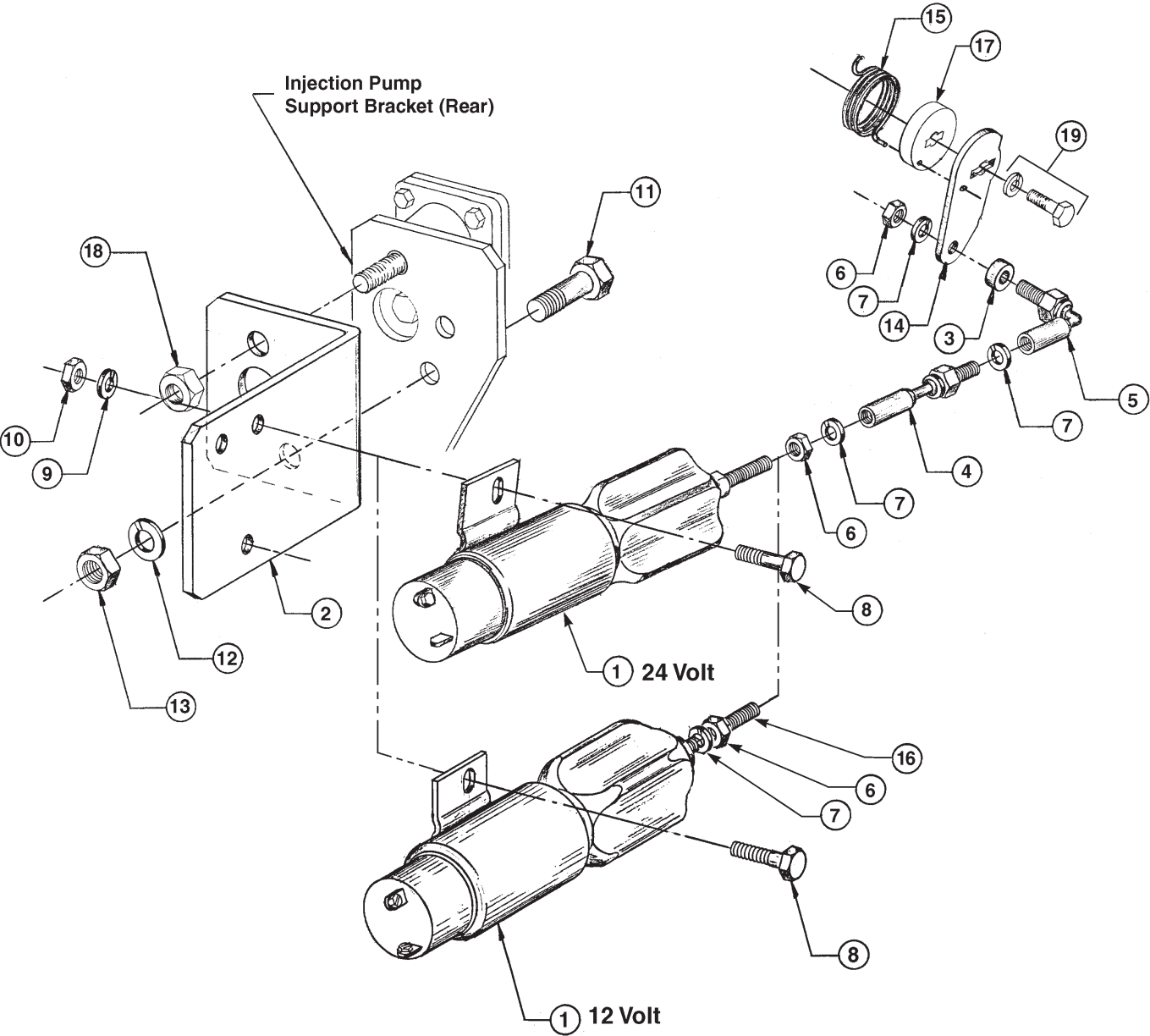


A-5257 / C-2642
A-5215 / C-2623z

Stop Solenoid & Mounting - 12 & 24 Volt L6108A2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-42054	1	Stop Solenoid 12 Volt	-
	22-40007	1	Stop Solenoid 24 Volt	-
2	23-45700	1	Bracket, Solenoid Mounting	-
3	21-93100	1	Spacer	-
4	00-42501	1	Ball Joint 1/4-28	-
5	00-42502	1	Ball Joint 90°, 1/4-28	-
6	14-00121	**	Hex Nut 1/4-28	-
7	15-00018	**	Lock Washer, Helical 1/4	-
8	12-00031	2	Capscrew, Hex Head M6 x 1.0 x 25 mm	-
9	15-01132	2	Lock Washer, Helical M6	-
10	14-01131	1	Hex Nut M6 x 1.0	-
11	12-00814	1	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
12	15-00802	1	Lock Washer M10	-
13	14-00811	1	Hex Nut M10 x 1.5	-
14	23-55404	1	Stop Lever	-
15	13-51001	1	Threaded Rod 1/4-28 x 2-1/2" (12 Volt)	-
16	00-54803	1	Stop Lever Return Spring	-
17	26-55001	1	Spring Cover	-
18	12-05402	1	Capscrew, Hex Head M10 x 1.25 x 40 mm	-
19	21-71401	1	Spacer	-
20	91418-06141	1	Capscrew with Washer	-
			**As required	

Stop Solenoid and Mounting M6108T - A

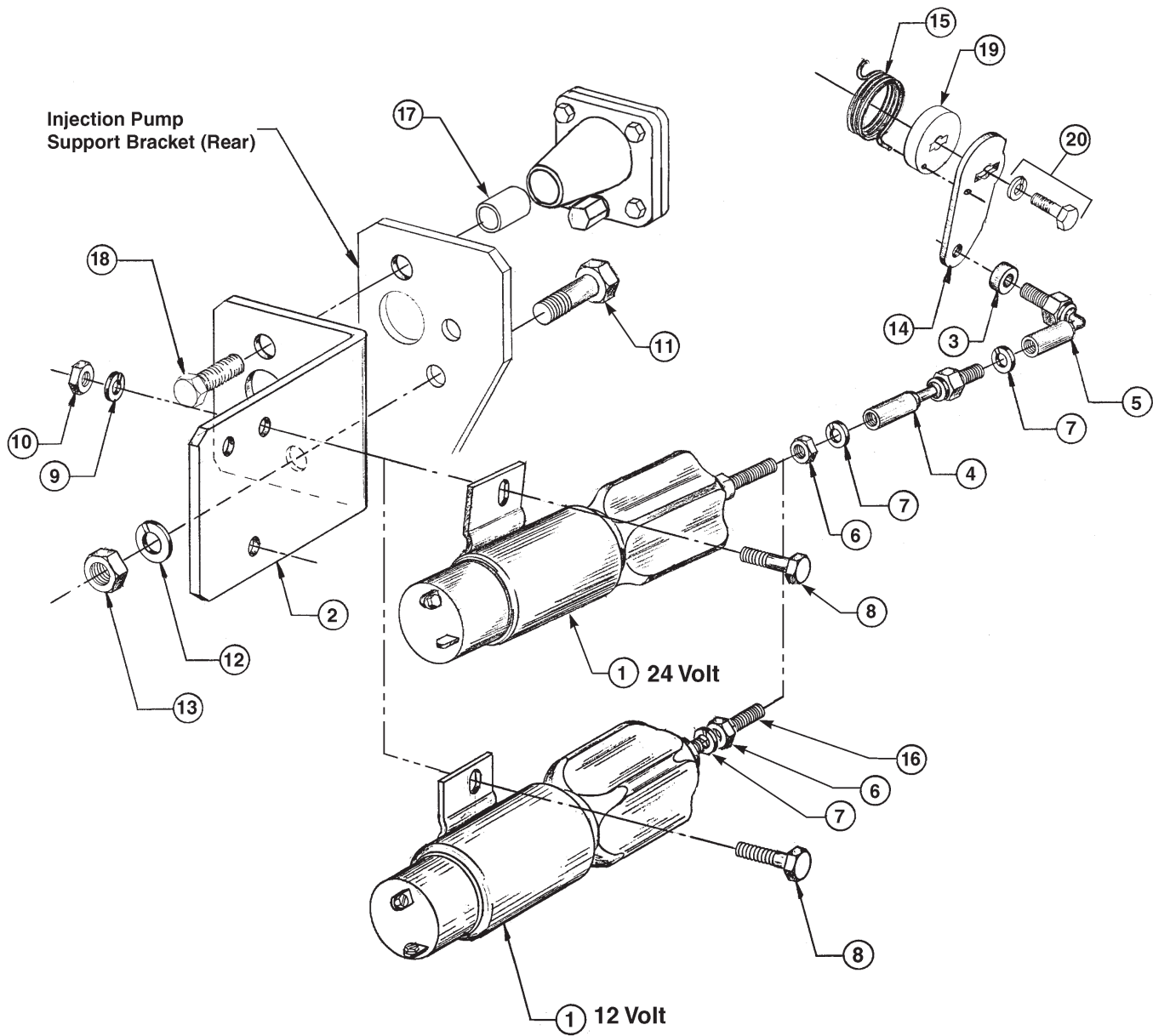


A-6997, A5607/ C-2720

Stop Solenoid and Mounting M6108T - A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-42054	1	Stop Solenoid 12 Volt	-
	22-40007	1	Stop Solenoid 24 Volt	-
2	22-45700	1	Bracket	-
3	21-93100	1	Spacer	-
4	00-42501	1	Ball Joint, In-line	-
5	00-42502	1	Ball Joint, 90°	-
6	14-00121	**	Hex Nut, 1/4	-
7	15-00018	**	Lock Washer, Hi-Collar	-
8	12-00031	2	Capscrew, Hex Head M6 x 1.0 x 25 mm	-
9	15-01132	2	Lock Washer, Helical M6	-
10	14-01131	2	Hex Nut M6 x 1.0	-
11	12-00814	1	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
12	15-00802	1	Lock Washer, Helical M10	-
13	14-00811	1	Hex Nut M10 x 1.5	-
14	23-55404	1	Stop Lever	-
15	00-54802	1	Spring, Stop Lever Return	-
16	13-51001	1	Threaded Rod 1/4-28 x 2-1/2 (12 Volt Only)	-
17	26-55001	1	Spring Cover	-
18	14-00814	1	Hex Nut M10 x 1.25	-
19	91418-06141	1	Capscrew with Washer	-
20	23-94803	1	Lever Addition *	-
21	12-00030	2	Capscrew, Hex Head M6 x 1.0 x 16 mm *	-
22	15-01132	2	Lock Washer, Helical M6 *	-
23	131296259	1	Spring *	-
* Note: Items listed are for throttle lever return. Not shown.				
**As required				

Stop Solenoid and Mounting M6108T2 - A2

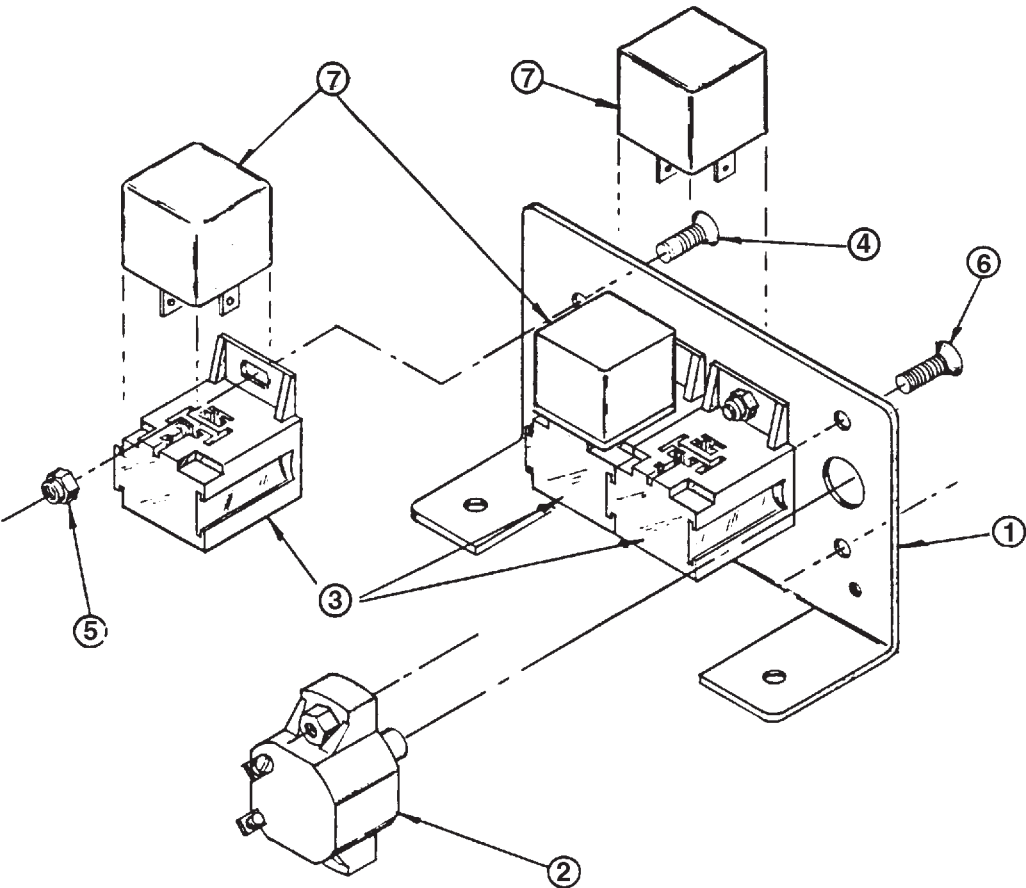


A-6997, A5607/ C-2720z

Stop Solenoid and Mounting M6108T2 - A2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-42054	1	Stop Solenoid 12 Volt	-
	22-40007	1	Stop Solenoid 24 Volt	-
2	22-45700	1	Bracket	-
3	21-93100	1	Spacer	-
4	00-42501	1	Ball Joint, In-line	-
5	00-42502	1	Ball Joint, 90°	-
6	14-00121	**	Hex Nut, 1/4	-
7	15-00018	**	Lock Washer, Hi-Collar	-
8	12-00031	2	Capscrew, Hex Head M6 x 1.0 x 25 mm	-
9	15-01132	2	Lock Washer, Helical M6	-
10	14-01131	2	Hex Nut M6 x 1.0	-
11	12-00814	1	Capscrew, Hex Head M10 x 1.5 x 35 mm	-
12	15-00802	1	Lock Washer, Helical M10	-
13	14-00811	1	Hex Nut M10 x 1.5	-
14	23-55404	1	Stop Lever	-
15	00-54802	1	Spring, Stop Lever Return	-
16	13-51001	1	Threaded Rod 1/4-28 x 2-1/2 (12 Volt Only)	-
17	21-71401	1	Spacer	-
18	12-05402	1	Capscrew, Hex Head M10 x 1.25 x 40 mm	-
19	26-55001	1	Spring Cover	-
20	91418-06141	1	Capscrew with Washer	-
21	23-94803	1	Lever Addition *	-
22	12-00030	2	Capscrew, Hex Head M6 x 1.0 x 16 mm *	-
23	15-01132	2	Lock Washer, Helical M6 *	-
24	131296259	1	Spring *	-
* Note: Items listed are for throttle lever return. Not shown.				
**As required				

12 & 24 Volt Circuit Breaker & Relay Panel L6108A - A2

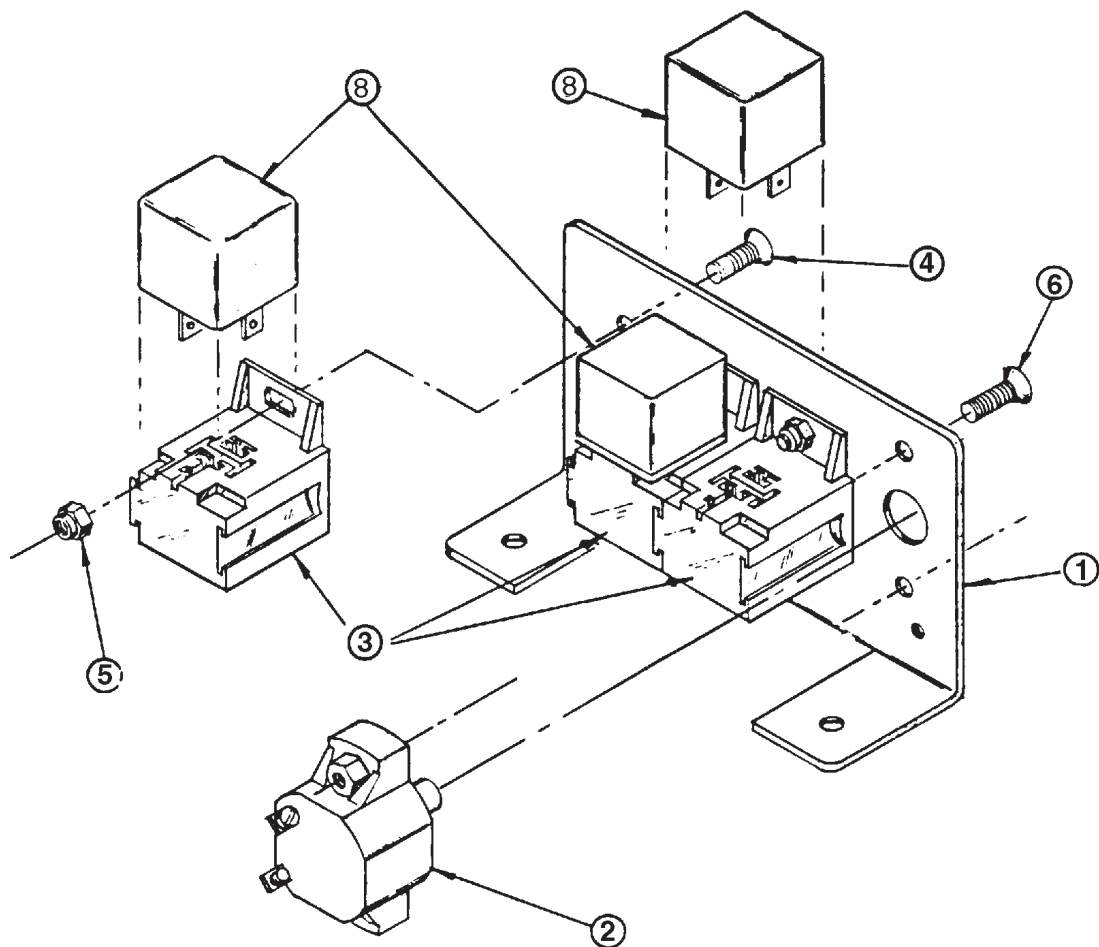


A-5437/ B-3139

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
• •	22-45717	1	Wire Harness Assembly (includes keys 1-6)	-
1	23-40010	1	Bracket	-
2	22-41070	1	40 Amp Circuit Breaker	-
3	22-40391	**	Relay Base	-
	22-40393	**	Terminal Retainer	-
4	12-03010	3	Machine Screw, Flathead Countersunk #10 - 32 x 3/8"	-
5	14-00001	5	Hex Nut, #10 - 32	-
6	12-03011	2	Machine Screw, Flathead Countersunk #10 - 32 x 1"	-
7	22-44820	3	Relay, 12 Volt SPST	-
	22-44821	3	Relay, 24 Volt SPST	-
			**As required	

12 Volt Circuit Breaker & Relay Panel

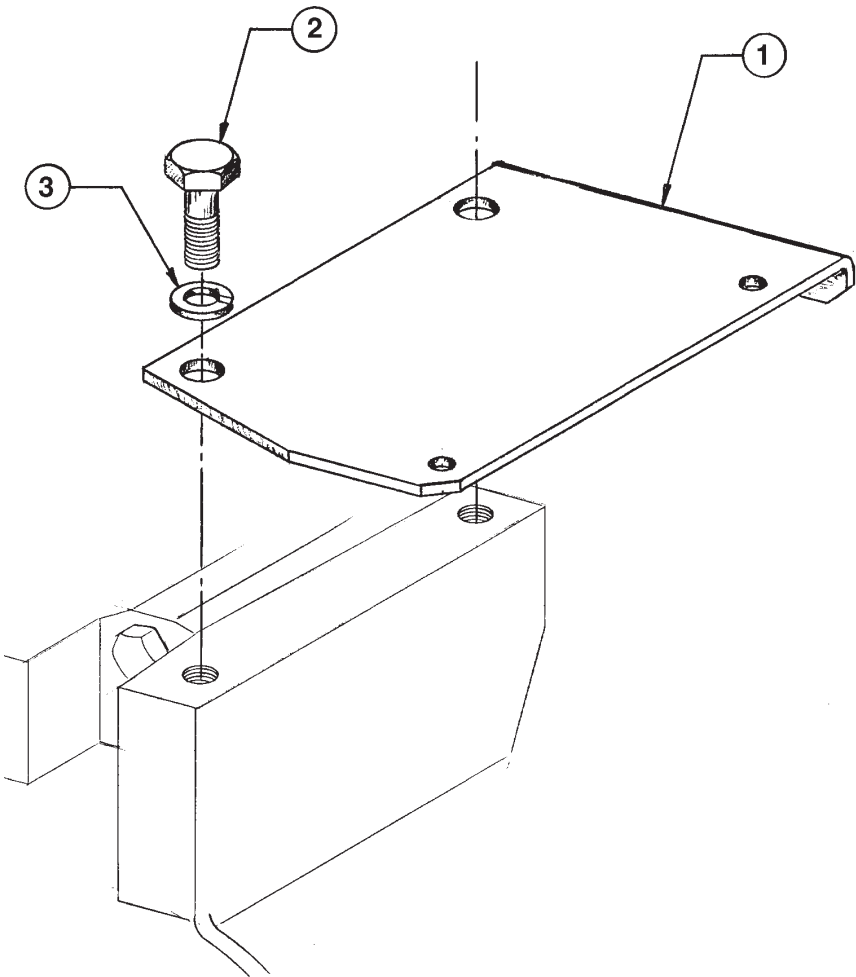
Commercial Marine Units



A-6729/ B-3139z

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
• •	22-45709	1	Wire Harness Assembly (includes keys #1-7)	-
1	23-40010	2	Bracket	-
2	22-41070	2	40 Amp Circuit Breaker	-
3	22-41032	4	Relay Base	-
4	12-03010	4	Machine Screw, Flathead Countersunk #10 - 32 x 3/8"	-
5	14-00001	8	Hex Nut, #10 - 32	-
6	12-03011	4	Machine Screw, Flathead Countersunk #10 - 32 x 1"	-
7	22-41060	2	Diode	-
8	22-42047	4	Relay	-

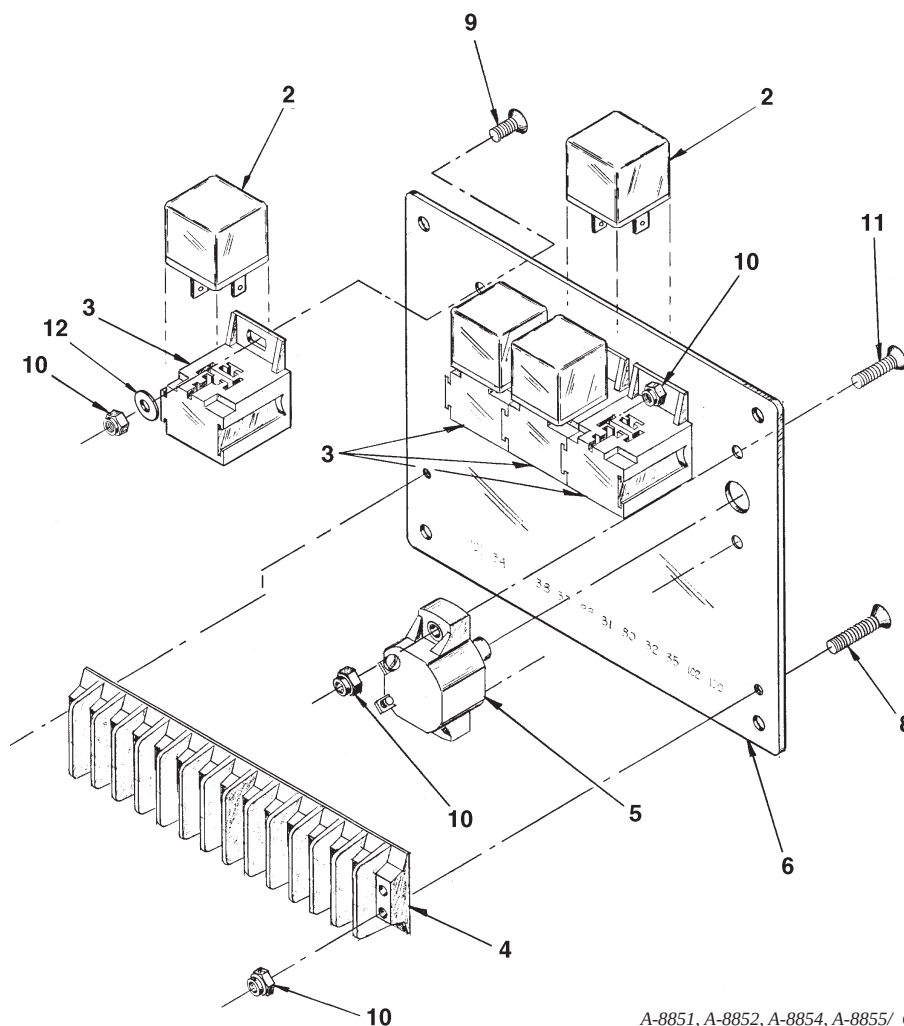
Relay Assembly Mounting Bracket SAE #1 L6108A - A2



A-5849/ B-4304

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-45706	1	Bracket	-
2	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
3	15-00912	2	Lock Washer, Helical M12	-

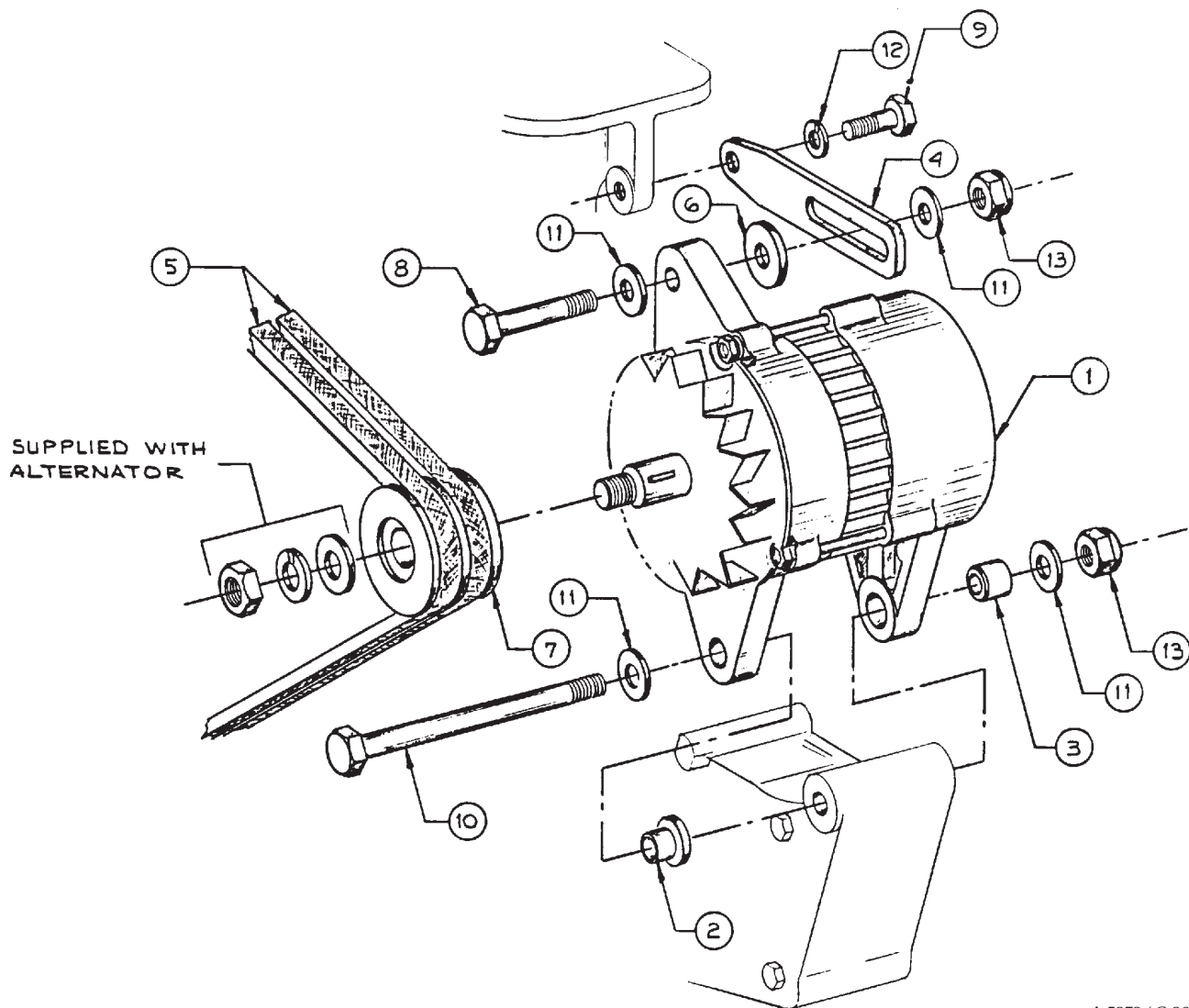
12 & 24 Volt Relay Logic Board M6108



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	12V Relay SPDT	-
	22-40085	4	24V 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, Manual Start	-
	28-90018	1	Relay Board Mounting Plate, Autostart	-
7	22-40393	4	Terminal Retainer Clip (not shown)	-
8	12-00083	2	Machine Screw, Flat Head Countersunk #8-32 x 3/4"	-
9	12-00082	4	Machine Screw, Flat Head Countersunk #8-32 x 3/8"	-
10	14-00003	4	Hex Nut, Nylock, #8 x 32	-
11	12-00089	2	Machine Screw, Flat Head Countersunk, #8-32 x 7/8"	-
12	15-00001	4	Flat Washer, #8 (not shown)	-
13	22-40347	1	Wire Harness, Manual Start (not shown)	-
	22-40392	1	Wire Harness, Autostart (not shown)	-

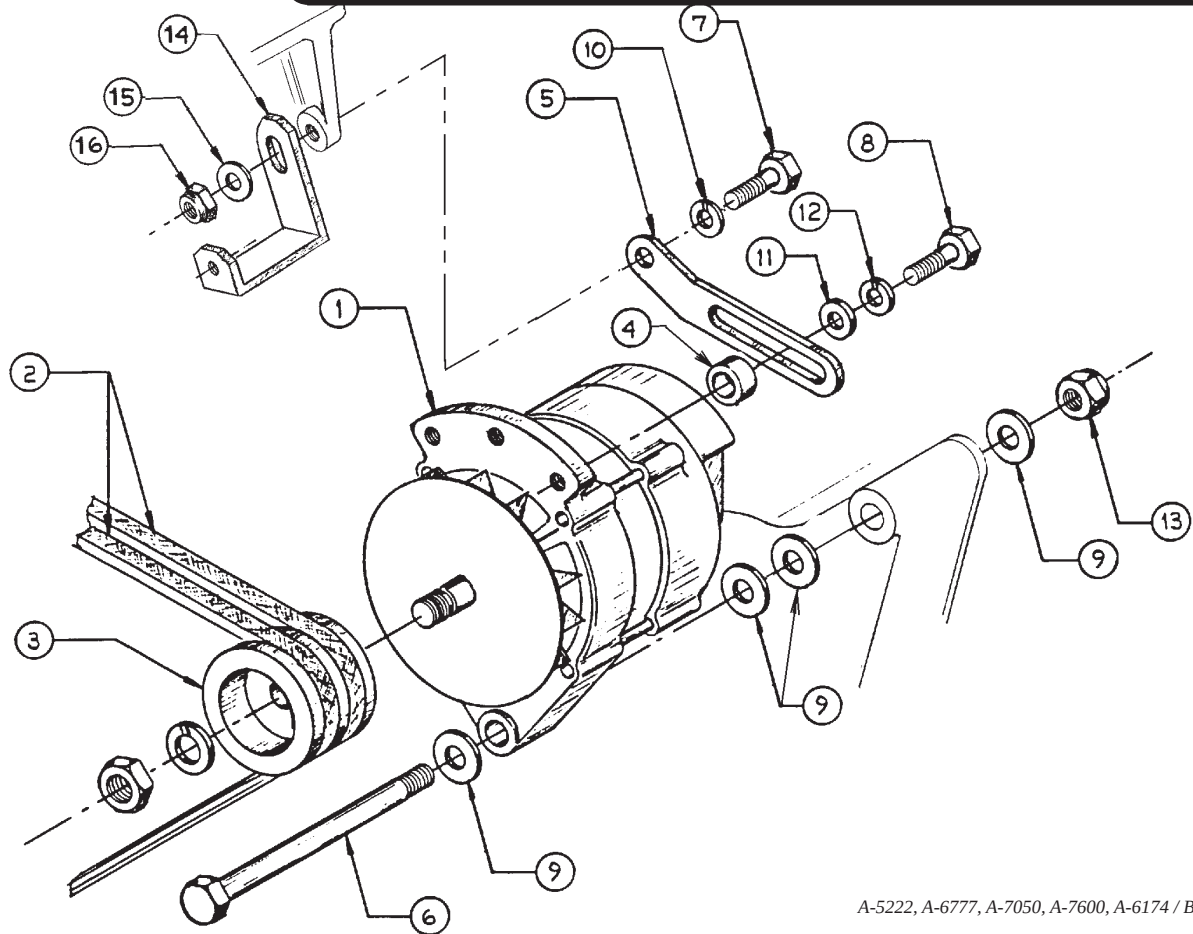
12 Volt/60 Amp Alternator & Mounting



A-5272 / C-2644

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	600-821-2460	1	Alternator 12 Volt 60 Amp	-
2	21-45701	1	Spacer	-
3	21-45702	1	Spacer	-
4	23-45702	1	Tensioning Arm	-
5	40-05701	1	Belt Set (Drive from Crankshaft)	-
	40-05704	1	Belt Set (Drive from Accessory PTO)	-
6	21-45703	1	Spacer	-
7	34-45701	1	Pulley, 2 Groove	-
8	12-04802	1	Capscrew, Hex Head M12 x 1.75 x 40mm	-
9	12-00805	1	Capscrew, Hex Head M10 x 1.5 x 20mm	-
10	12-00966	1	Capscrew, Hex Head M12 x 1.75 x 120mm	-
11	15-00007	4	Flat Washer M12	-
12	15-00802	1	Lock Washer M10	-
13	14-00830	2	Nylock Hex Nut M12 x 1.75	-

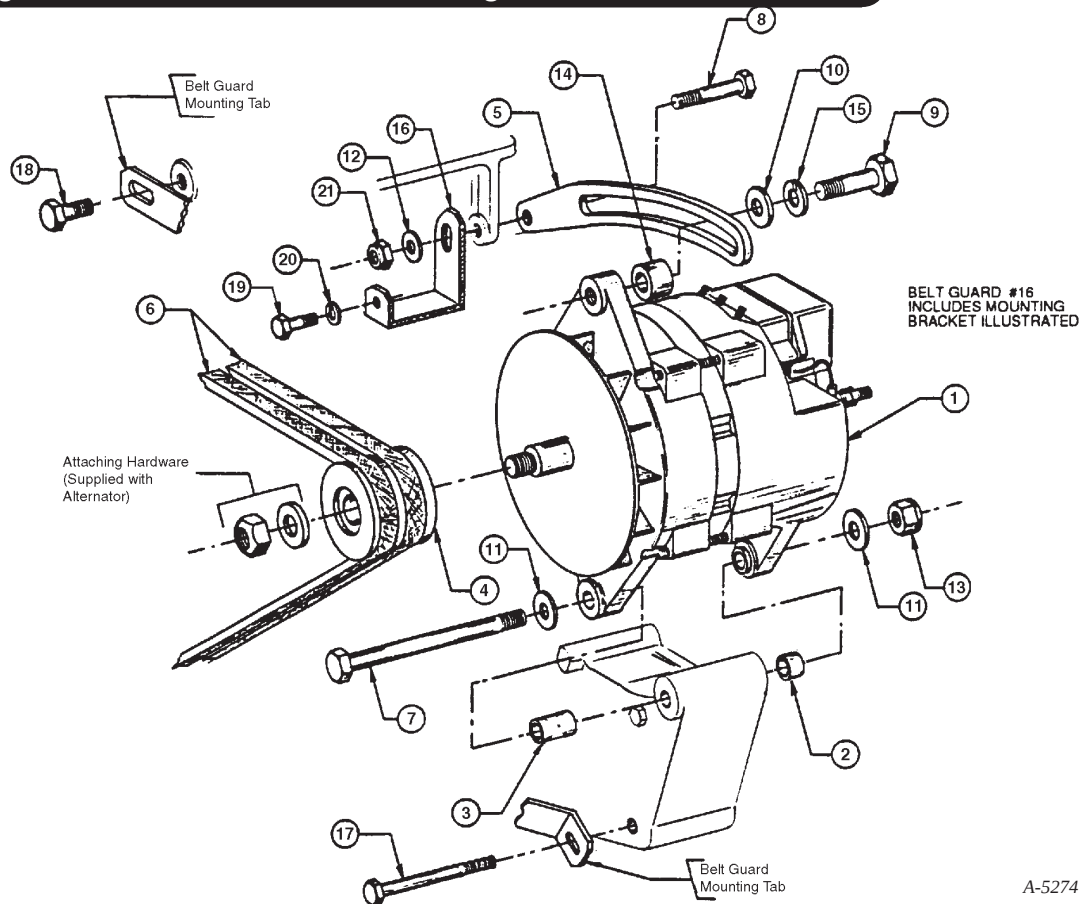
Medium Frame Alternators & Mounting



A-5222, A-6777, A-7050, A-7600, A-6174 / B-4052

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-40276	1	Alternator, 12 Volt 65 Amp Standard Ground (formerly #22-40261)	-
	10-134	1	Alternator, 12 Volt 72 Amp Isolated Ground (no longer available)	-
	22-40332	1	Alternator, 12 Volt 90 Amp Isolated Ground	-
	22-40278	1	Alternator, 24 Volt 40 Amp Standard Ground	-
	22-71052	1	Alternator, 24 Volt 35 Amp Isolated Ground	-
2	40-05703	1	Belt Set (Drive from Crankshaft)	-
	04120-40098	1	Belt Set (Drive from Accessory PTO)	-
3	34-00001	1	Pulley, 2 Groove	-
4	21-00017	1	Spacer	-
5	23-45701	1	Tensioning Arm	-
6	12-00966	1	Capscrew, Hex Head M12 x 1.75 x 120mm	-
7	12-00831	1	Capscrew, Hex Head M10 x 1.5 x 25mm	-
8	12-00215	1	Capscrew, Hex Head 5/16-18 x 1-3/4"	-
	12-00313	1	Capscrew, Hex Head 3/8-16 x 1-1/4" (12 Volt 72 Amp Alternator only)	-
9	15-00007	4	Flat Washer M12	-
10	15-00802	1	Lock Washer M10	-
11	15-00201	1	Stud Washer 5/16	-
	15-00012	1	Stud Washer 3/8 (12 Volt 72 Amp Alternator only)	-
12	15-00202	1	Lock Washer 5/16	-
	15-00302	1	Lock Washer 3/8 (12 Volt 72 Amp Alternator only)	-
13	14-00830	1	Nylock Hex Nut M12 x 1.75	-
14	23-05706	1	Bracket, Belt Guard Mtg. (see belt guard application chart)	-
15	15-00805	2	Flat Washer, M10	-
16	14-00812	1	Hex Nut, Nylock M10 x 1.5	-

Large Frame Alternators & Mounting

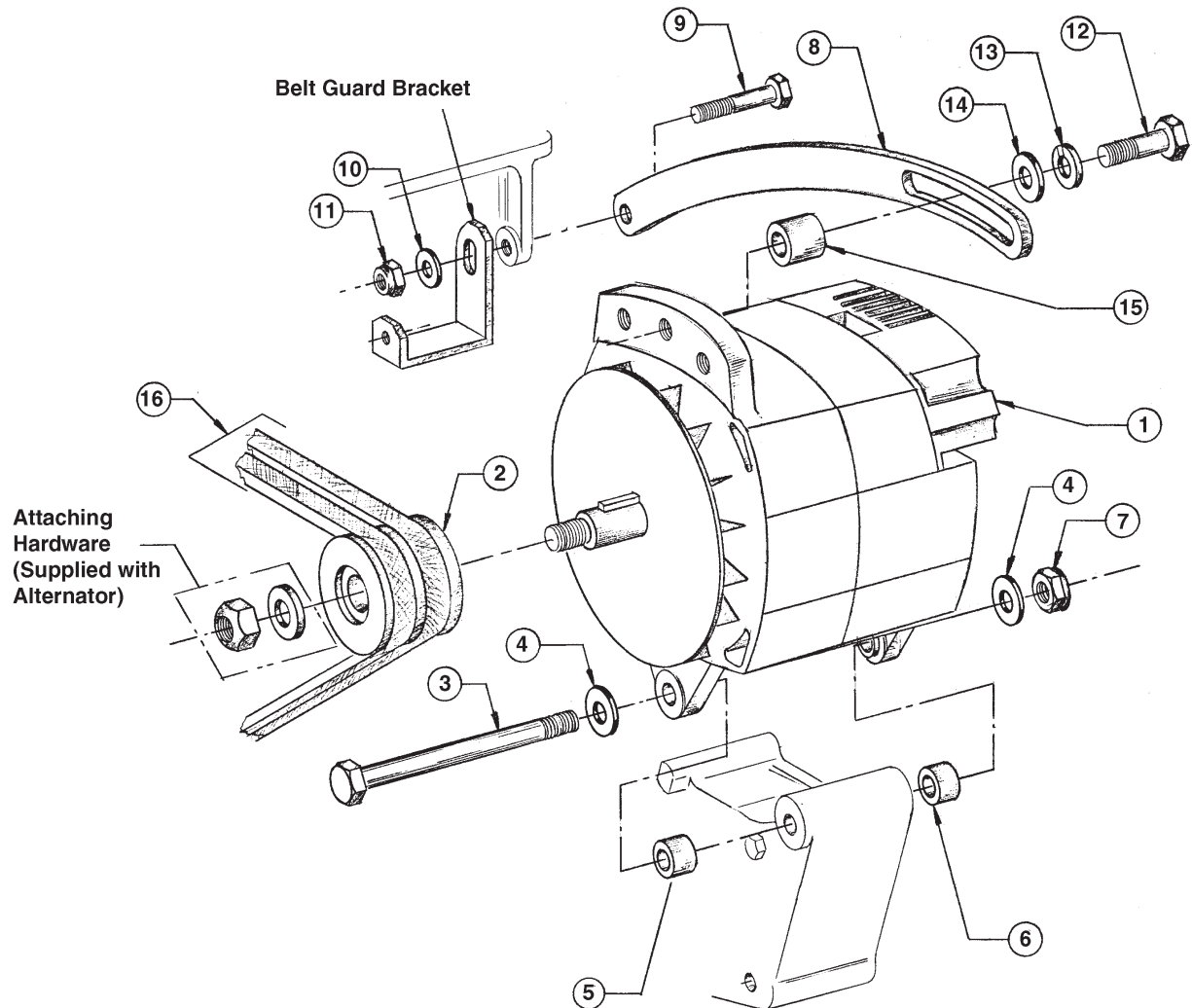


A-5274 / A-5541 / C-2646

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-40282	1	Alternator 12 Volt 130 Amp (formerly #22-44808)	-
	22-40277	1	Alternator 24 Volt 75 Amp (formerly #22-42516)	-
	22-45018	1	Alternator 24 Volt 100 Amp	-
2	21-45702	1	Spacer	-
3	21-42200	1	Spacer	-
4	34-45701	1	Pulley, 2 Groove	-
5	23-45703	1	Tensioning Arm	-
	23-75713	1	Tensioning Arm (24 Volt 100 Amp Alternator only)	-
6	40-05702	1	Belt Set (Drive from Crankshaft)	-
	40-05705	1	Belt Set (Drive from Accessory PTO)	-
7	12-04403	1	Capscrew, Hex Head M12 x 1.75 x 150 mm	-
8	12-00812	1	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
9	12-00515	1	Capscrew, Hex Head 1/2-13 x 1-3/4"	-
10	15-00501	1	Flat Washer, 1/2	-
11	15-00007	2	Flat Washer, M12	-
12	15-00805	2	Flat Washer M10	-
13	14-00830	1	Nylock Hex Nut M12 x 1.75	-
14	21-75703	1	Spacer	-
15	15-00502	1	Lock Washer 1/2	-
16	23-05706	1	Bracket, Belt Guard Mounting (see belt guard application chart)	-
17	01436-00800	1	Capscrew, Hex Head M8 x 1.25 x 100 mm	-
18	01435-01080	1	Capscrew, Hex Head M10 x 1.5 x 80 mm	-
19	12-00100	1	Capscrew, Hex Head 1/4-20 x 1/2"	-
20	15-00102	1	Lock Washer 1/4	-
21	14-00812	1	Nylock Hex Nut M10 x 1.5	-

24 Volt/100 Amp Alternator & Mounting

L6108 With Crankshaft Drive



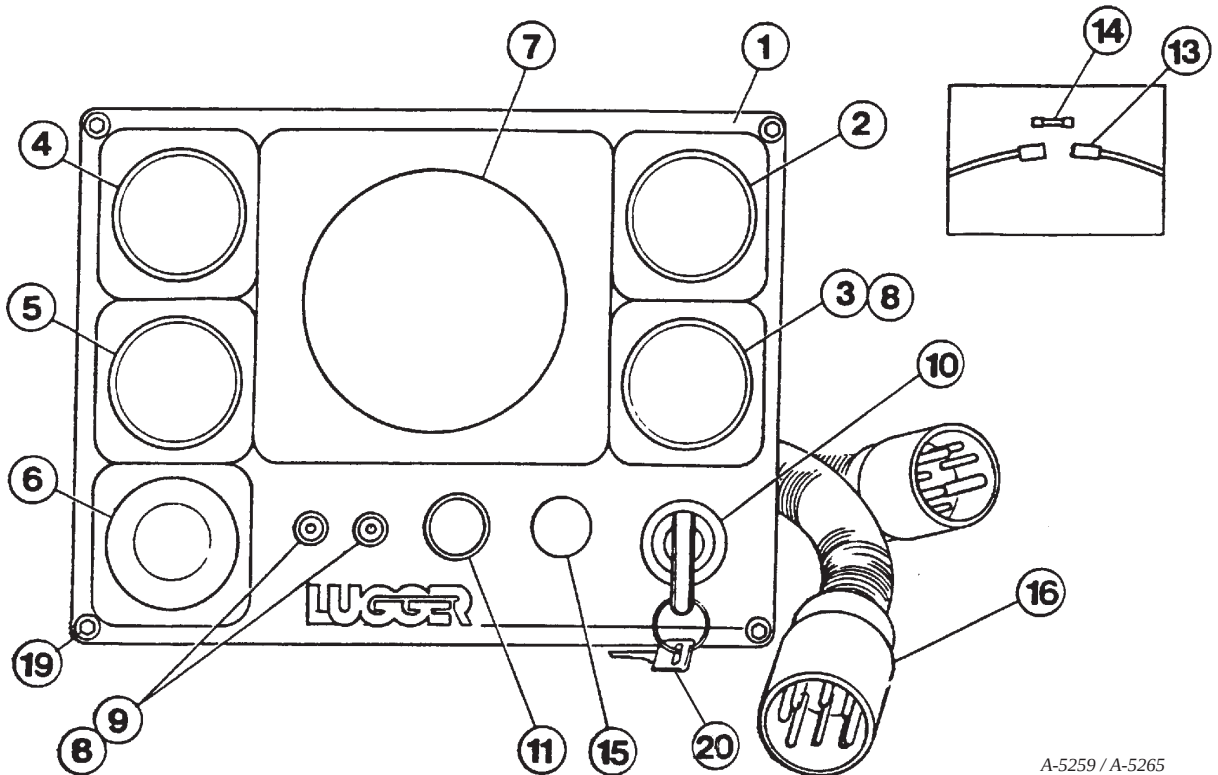
A-5555 / C-2700

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-45018	1	Alternator 24 Volt 100 Amp	-
2	34-45701	1	Pulley 7/8" ID, 2 Groove	-
3	12-04403	1	Capscrew, Hex Head M12 x 1.75 x 150 mm	-
4	15-00007	3	Flat Washer M12	-
5	21-45702	1	Spacer	-
6	21-42202	1	Spacer	-
7	14-00830	1	Hex Nut, Nylock M12 x 1.75	-
8	23-45704	1	Tensioning Arm	-
9	12-00812	1	Capscrew, Hex Head M10 x 1.5 x 40 mm	-
10	15-00805	2	Flat Washer, M10	-
11	14-00812	1	Hex Nut, Nylock M10 x 1.5	-
12	12-00515	1	Capscrew, Hex Head 1/2-13 x 1-3/4"	-
13	14-00502	1	Lock Washer, Helical 1/2	-
14	15-00504	1	Flat Washer 1/2 SAE	-
15	21-75703	1	Spacer	-
16	40-05707	1	Belt Set	-

Drive Belt & Guard Applications

Alternator Drive from Accessory PTO			Alternator Drive from Crankshaft		
Medium Frame Alternators					
			12 Volt 60 Amp		
Drive Belt	40-05704		Drive Belt	40-05701	
Guard, Standard	00-75709		Guard	00-75706	
Guard, with PTO					
			12 Volt 65 Amp 12 Volt 72 Amp 12 Volt 90 Amp 24 Volt 35 Amp 24 Volt 42 Amp		
Drive Belt	04120-40098		Drive Belt	40-05703	
Guard, Standard	00-75712		Guard	00-75701	
Guard, with PTO	00-75713				
Large Frame Alternators					
			12 Volt 130 Amp 24 Volt 75 Amp		
Drive Belt	40-05705		Drive Belt	40-05702	
Guard, Standard	00-75717		Guard	00-75705	
Guard, with PTO	00-75718				

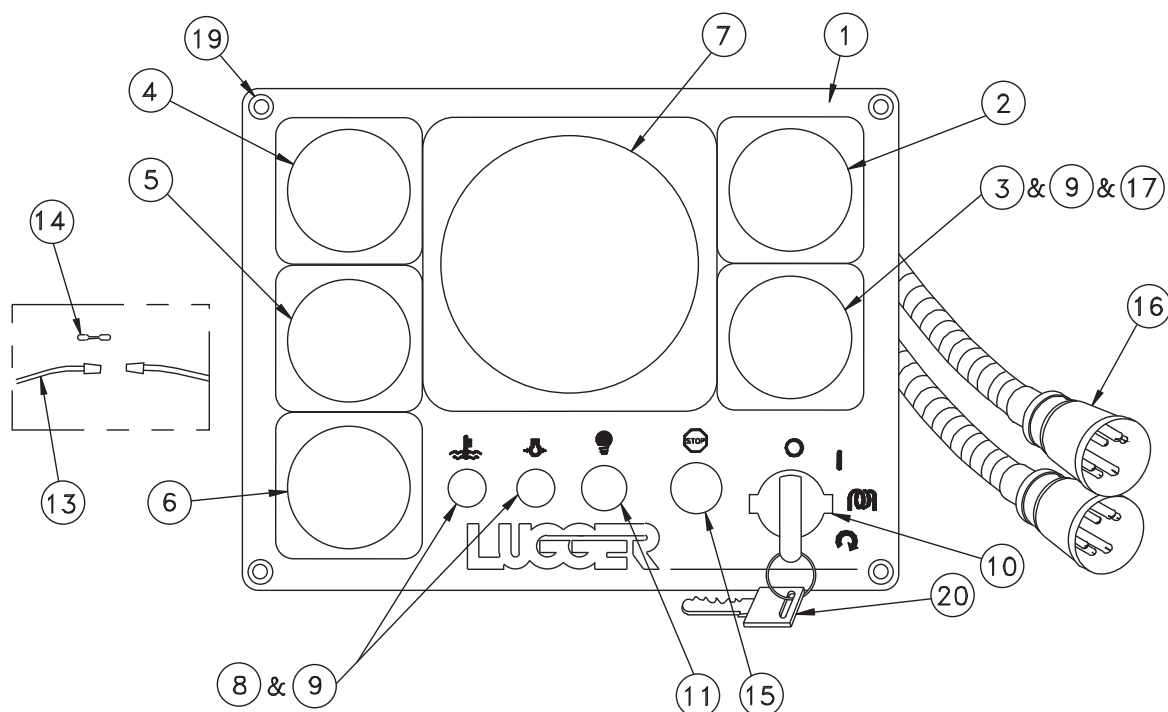
Main Instrument Panel - Blue Line Gauges 12 & 24 Volt L6108



A-5259 / A-5265

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-45730	1	12 Volt Main Instrument Panel (includes all key #s)	-
••	22-75730	1	24 Volt Main Instrument Panel (includes all key #s)	-
1	28-94801	1	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 0-150 PSI, 24 Volt	-
6	22-40263	1	Alarm Horn, 12/24 Volt (Replaces former #'s 22-44854 & 22-44855)	-
7	37-95701	1	Tachometer 0-3000 RPM	-
8	22-44851	2	Amber Fault Lamp Holder	-
9	22-44852	**	Bulb, 12 Volt	-
	22-44853	**	Bulb, 24 Volt	-
10	37-94803	1	Key Switch	-
11	22-44856	1	Gauge Lights Switch/Dimmer	-
12	22-41060	2	Diode, 6 amp 50 Volt (not shown)	-
13	22-00044	1	In-Line Fuse Holder	-
14	22-41008	1	Fuse, 7-1/2 Amp	-
15	37-91007	1	Push Button N.O. Weather Proof	-
16	22-44859	1	Panel Wire Harness	-
17	22-40004	1	Resistor Kit, 24 Volt only (not shown)	-
19	12-90001	4	Self-Tapping #6 Screw, Blk. Csk. 81°, Phillips Head x 3/4"	-
20	37-94814	**	Key	-
**As required.				

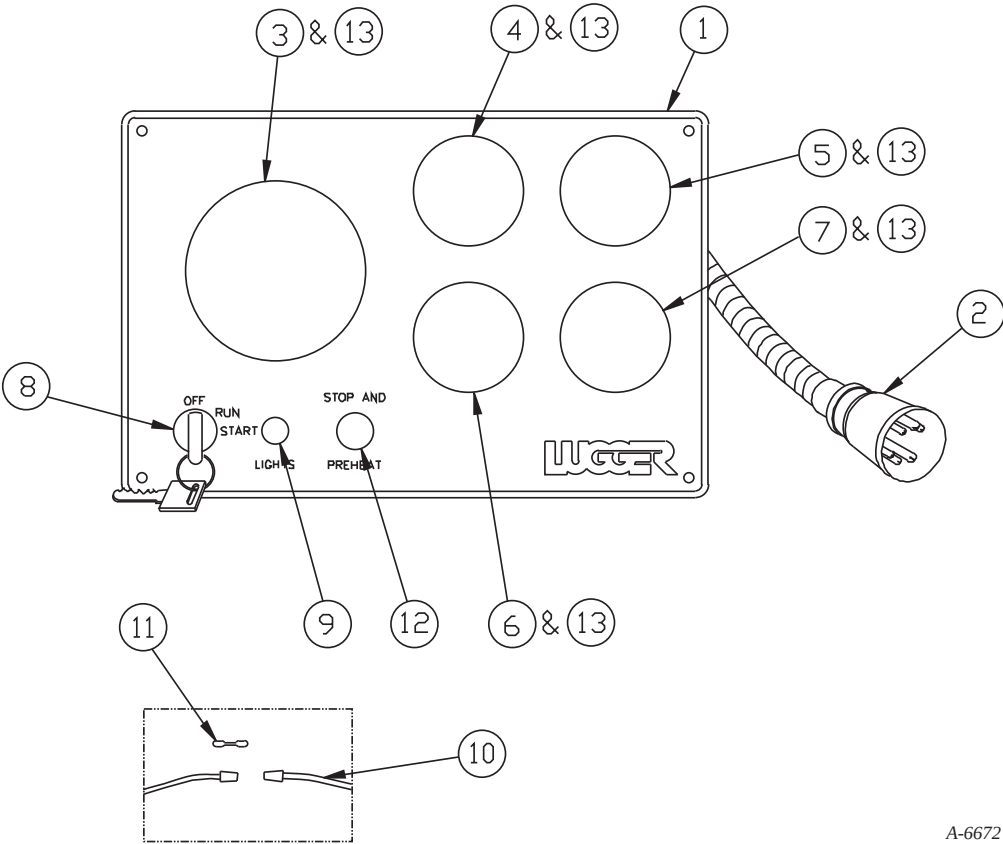
Main Instrument Panel Vanguard Gauges 12 & 24 Volt L6108



A-6863, A-6862/ B-4734-2

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-95710	1	12 Volt Main Instrument Panel (includes all keys)	-
••	22-95735	1	24 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	-
7	37-95703	1	Tachometer 0-3000 RPM, 12 Volt	-
	37-95704	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	-
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 Hour Meter)	-
19	12-90002	4	Screw, Self Tapping #8 x 1" Type AB Phillips	-
20	37-94814	**	Key	-
			**As required	

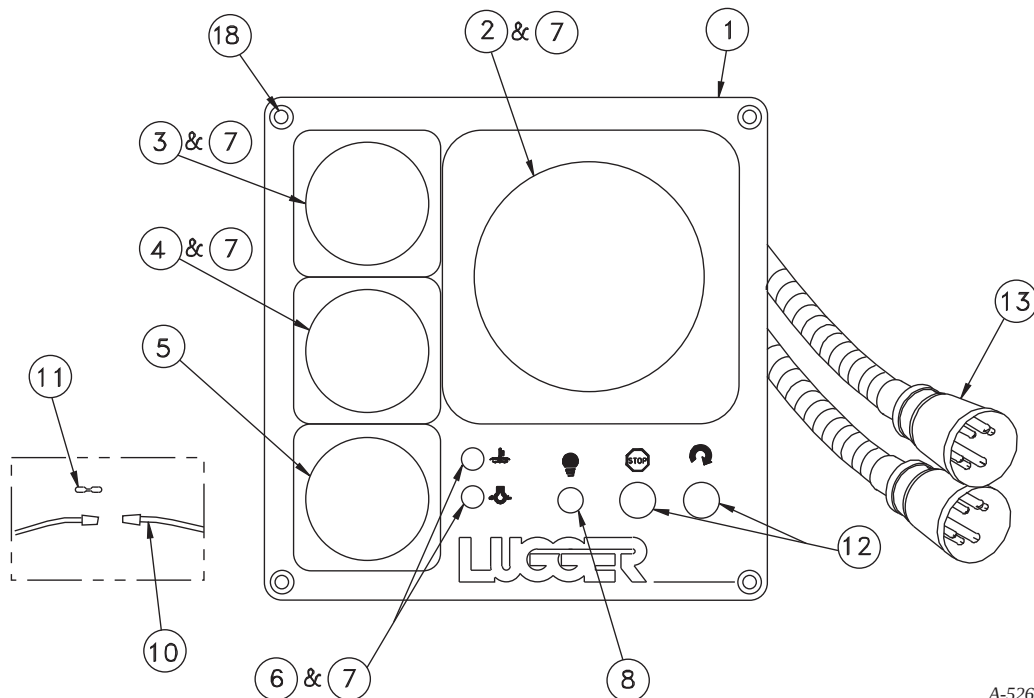
Main Instrument Panel Standard Line Gauges 12 Volt LC6108



A-6672 / B-6612

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-45740	1	12 Volt Main Instrument Panel (includes all keys)	-
1	28-95701	1	Panel Plate	-
2	22-40062	1	Wire Harness	-
3	37-95702	1	Tachometer, 0-3000 RPM, 12 Volt	-
4	37-40015	1	Oil Pressure Gauge 0-150 PSI, 12 Volt	-
5	37-40011	1	Temperature Gauge 0-250°F, 12 Volt	-
6	37-40012	1	Voltmeter 8-16 Volts	-
7	37-40015	1	Hourmeter 12 Volt	-
8	37-91005	1	Ignition Switch	-
9	22-41049	1	Toggle Switch (for panel lights)	-
10	22-00044	1	Fuse Holder	-
11	22-41008	1	7.5 Amp Fuse	-
12	37-91007	1	Push Button, Weatherproof	-
13	22-44852	**	Bulb, Clear 12 Volt	-
			**As required	

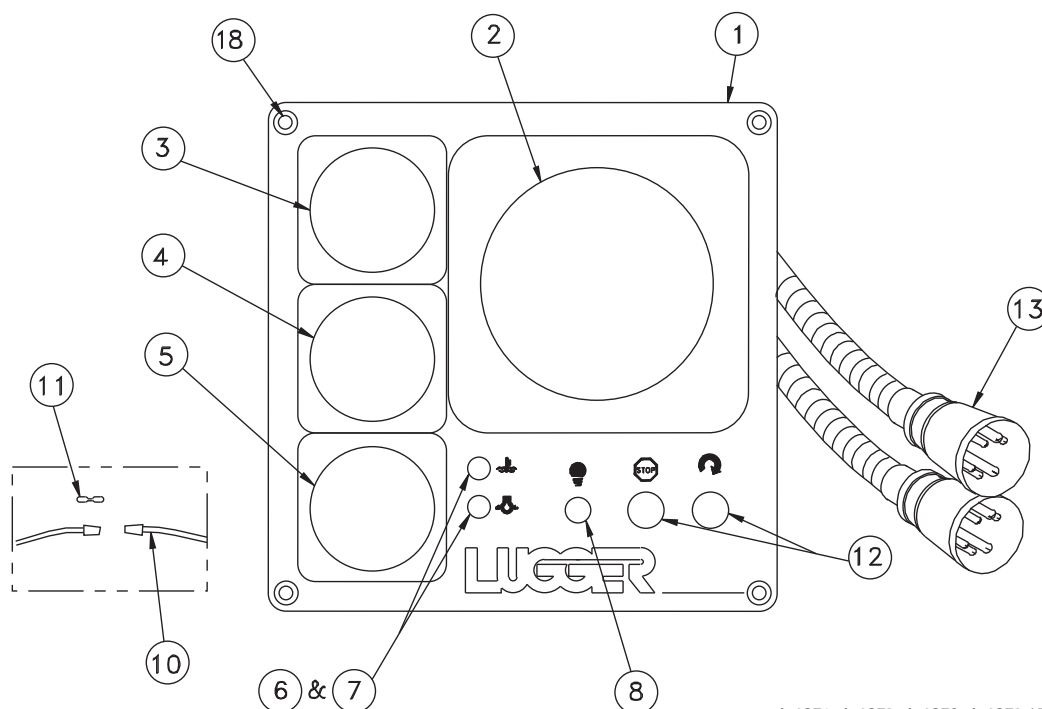
Flybridge Panel Blue Line Gauges 12 & 24 Volt L6108



A-5263, A-5563/ B-4734-3a

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
•	22-75750	1	12 Volt Flybridge Panel (includes keys 1-14, & 18)	-
•	22-75760	1	24 Volt Flybridge Panel (includes keys 1-14, & 18)	-
1	28-94802	1	Plate	-
2	37-95701	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	Diode 6 Amp 50 Volt (not shown)	-
10	22-00044	1	In-line Fuse Holder	-
11	22-41008	1	7.5 Amp Fuse	-
12	37-91007	2	Push Button, N.O. Weatherproof	-
13	22-90003	1	Panel Wire Harness	-
14	22-40004	1	Resistor Kit (24 Volt 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	-
19	22-41001	1	Extension Harness, 10' (not shown)	-
			**As required	

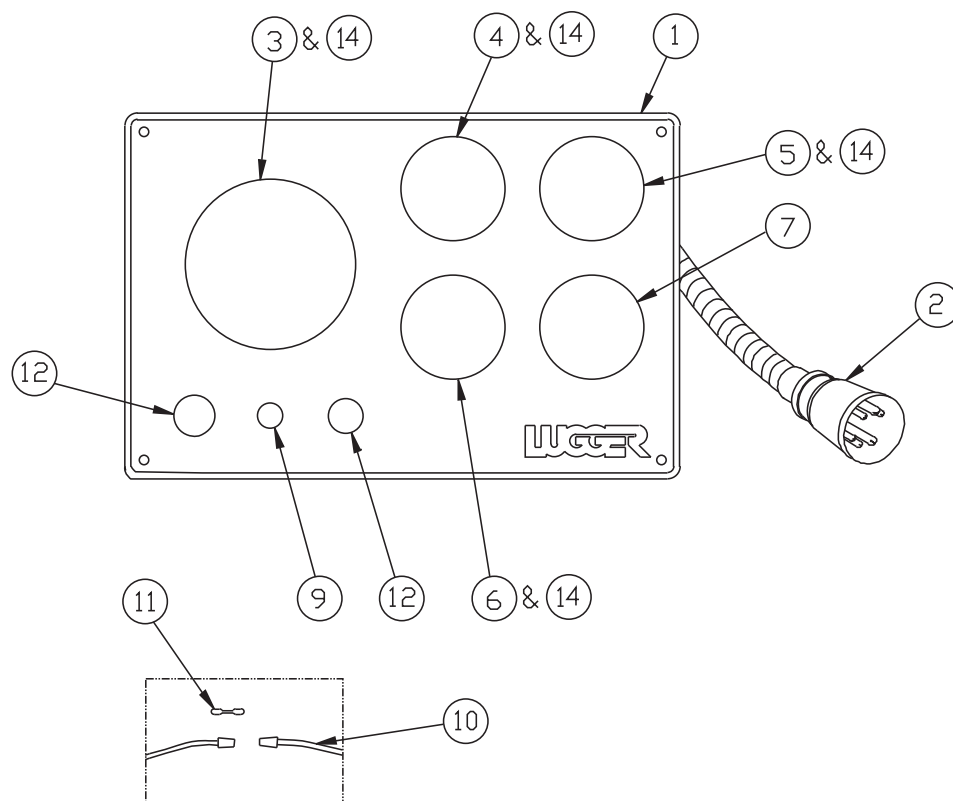
Flybridge Panel Vanguard Gauges 12 & 24 Volt L6108



A-6871, A-6873, A-6870, A-6872 / B-4734-3

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-95740	1	12 Volt Flybridge Panel Kit (includes all keys)	-
••	22-95745	1	24 Volt Flybridge Panel Kit (includes all keys)	-
•	22-95739	1	12 Volt Flybridge Panel (includes keys 1-13 & 18)	-
•	22-95744	1	24 Volt Flybridge Panel (includes keys 1-13 & 18)	-
1	28-96802	1	Panel Plate	-
2	37-95703	1	Tachometer 0-3000 RPM, 12 Volt	-
	37-95704	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	-
6	22-44851	2	Fault Lamp Holder, Amber	-
7	22-44852	**	Bulb, Clear 12 Volt	-
	22-44833	**	Bulb, Clear 24 Volt	-
8	22-40247	1	Toggle Switch (for panel lights)	-
9	22-41060	2	6 Amp 50 Volt Diode	-
10	22-00044	1	In-Line Fuse Holder	-
11	22-41008	1	7.5 Amp Fuse	-
12	37-91007	2	Push Button, Weatherproof	-
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	-
18	12-90002	4	Self Tapping Screw #8 x 1, Type AB Phillips	-
19	21-51099	1	Bushing, Brass 3/8 NPT x 1/4 NPT	-
20	22-41001	1	Extension Harness 10 ft.	-
**As required				

Flybridge Panel Standard Line Gauges 12 Volt LC6108

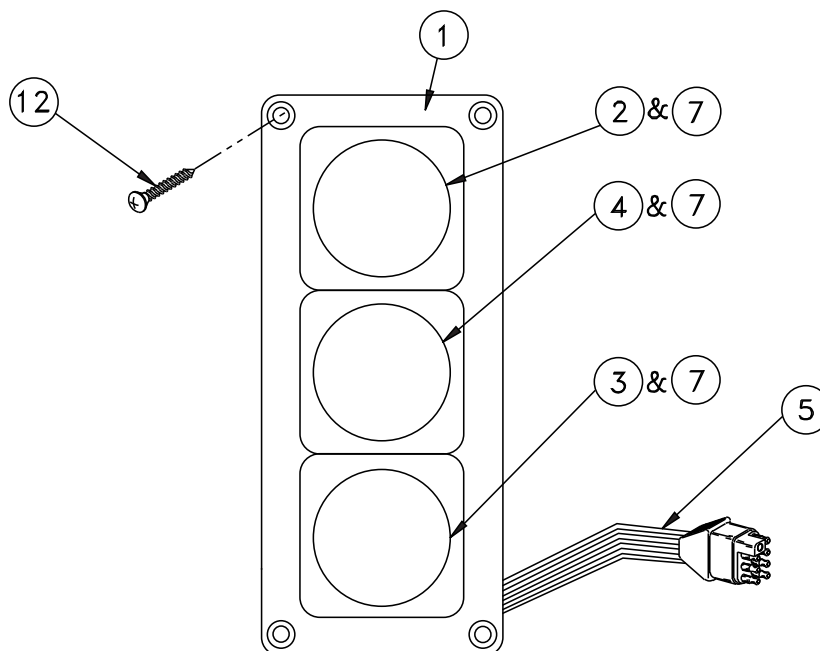


A-6767, A-6766 / B-6612a

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
•	22-95725	1	12 Volt Flybridge Panel (includes keys 1-14)	-
1	28-95701	1	Panel Plate	-
2	22-40062	1	Wire Harness	-
3	37-95702	1	Tachometer, 0-3000 RPM, 12 Volt	-
4	37-40015	1	Oil Pressure Gauge 0-150 PSI, 12 Volt	-
5	37-40011	1	Temperature Gauge 0-250°F, 12 Volt	-
6	37-40012	1	Voltmeter 8-16 Volts	-
7	37-40015	1	Plug	-
8	00-95701	1	Label "Start, Lights, Preheat/Stop" *	-
9	22-41049	1	Toggle Switch (for panel lights)	-
10	22-00044	1	Fuse Holder	-
11	22-41008	1	7.5 Amp Fuse	-
12	37-91007	2	Push Button, Weatherproof	-
13	16-90001	1	O-ring *	-
14	22-44852	**	Bulb, Clear 12 Volt	-
15	22-44872	1	Sender, Oil Pressure 0-150 PSI, Standard Ground Dual Station *	-
16	22-74802	1	Sender, Temperature 0-250°F, Standard Ground Dual Station *	-
17	21-51099	1	Bushing 3/8 NPT x 1/4 NPT *	-
18	22-40932	1	Y-Harness *	-
19	22-40930	1	Extension Harness, 20' *	-
			*Not shown	
			**As required	

Auxiliary Instrument Panel Blue Line Gauges

12 & 24 Volt L6108

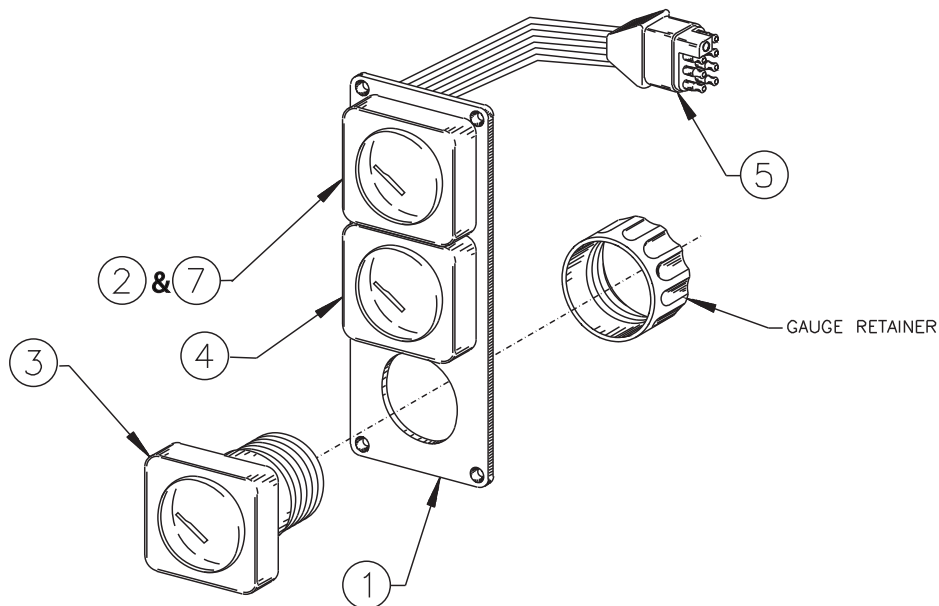


A-4383, A-4384 / B-6747

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
•	22-44869	1	12 Volt Auxiliary Panel (includes keys 1-7 & 12)	-
•	22-45019	1	24 Volt Auxiliary Panel (includes keys 1-7 & 12)	-
1	28-74801	1	Panel Plate	-
2	37-94809	1	Pyrometer Assembly (includes Harness & Thermocouple)	-
	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	-
	37-90019	**	Oil Pressure Gauge 0-400 PSI, 12 Volt	-
	37-94812	**	Oil Pressure Gauge 0-350 PSI, 24 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	**	Pressure Sender 400 PSI	-
10	21-00139	1	Adapter 1/8 BSPT x 1/8 NPT (not shown)	-
11	22-94803	1	Extension Harness 3' (not shown)	-
12	12-90002	4	Self Tapping Screw #8 x 1" Type AB Phillips	-
			**As required	

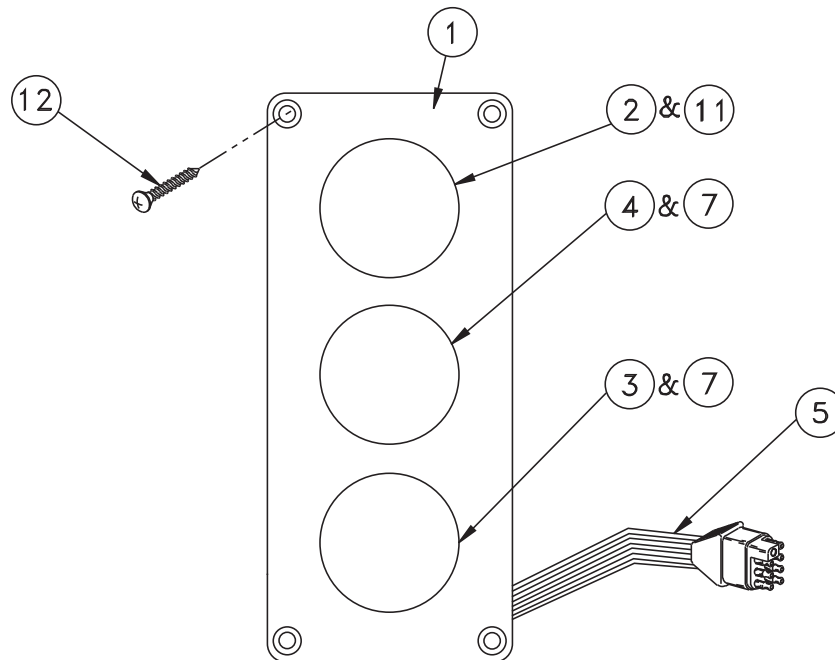
Auxiliary Instrument Panel Vanguard Gauges

12 & 24 Volt L6108



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

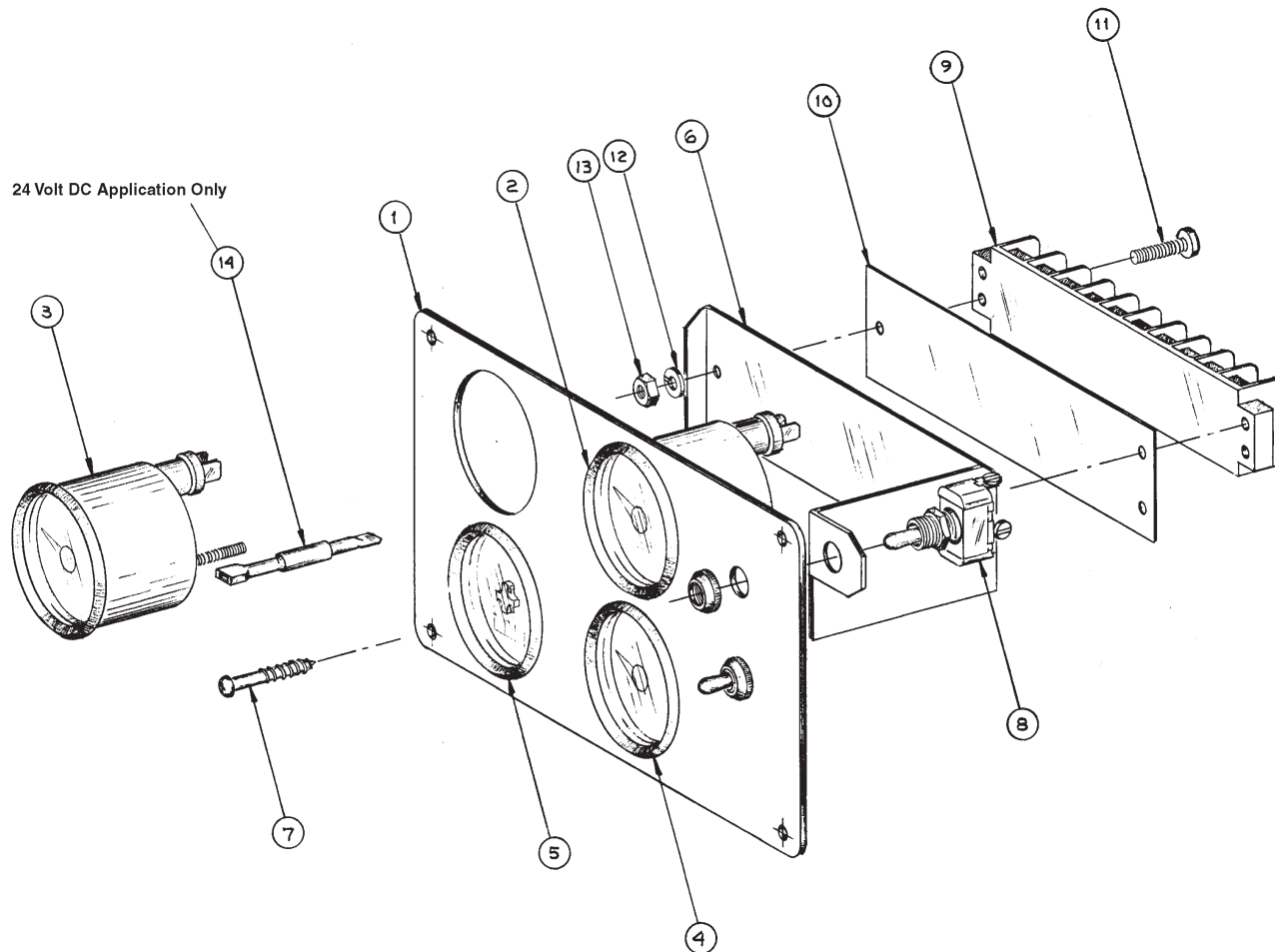
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	22-96830	1	12 Volt Auxiliary Panel Kit (includes all keys)	-
••	22-96835	1	24 Volt Auxiliary Panel Kit (includes all keys)	-
•	22-96829	1	12 Volt Auxiliary Panel (includes keys 1-7)	-
•	22-96834	1	24 Volt Auxiliary Panel (includes keys 1-7)	-
1	28-74801	1	Panel Plate	-
2	37-94809	1	Pyrometer Assembly (includes Harness & Thermocouple)	-
	37-94816	1	Pyrometer (Gauge only)	-
	22-75006	1	Harness	-
	22-75007	1	Thermocouple	-
	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	37-90033	1	Pressure Gauge 0-80 PSI, 12 Volt	-
5	22-44865	1	Wire Harness	-
6	12-90002	4	Self-tapping Screw #8 x 1" Type AB Phillips	-
7	22-44852	**	Bulb, Clear, 12 Volt	-
	22-44853	**	Bulb, Clear, 24 Volt	-
8	22-41016	1	Pressure Sender 0-80 PSI (not shown)	-
9	22-40239	1	Oil 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' (not shown)	-
			**As required	

Auxiliary Instrument Panel Standard Line Gauges**12 Volt LC6108**

A-6732 / B-6748

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
•	22-90085	1	12 Volt Auxiliary Panel (includes keys 1-5, 7 & 11)	-
1	28-74801	1	Plate	-
2	37-90016	1	Pyrometer Assembly (includes Harness & Thermocouple)	-
	37-90038	1	Pyrometer (Gauge only)	-
	22-70058	1	Harness, 10'	-
	22-70059	1	Thermocouple	-
3	37-90017	1	Oil Pressure Gauge 0-400 PSI, 12 Volt	-
4	37-90018	1	Pressure Gauge 0-30 PSI	-
5	22-40237	1	Panel Wire Harness	-
6	22-40238	1	Panel Wire Harness Addition 84' (not shown)	-
7	22-44852	2	Bulb, 12 Volt	-
8	22-41094	1	Pressure Sender 0-30 PSI (not shown)	-
9	22-40239	1	Oil Pressure Sender 0-400 PSI (not shown)	-
10	21-00139	1	Adapter 1/8 BSPT x 1/8 NPT (not shown)	-
11	22-40272	1	Bulb, 12 Volt (not shown)	-
12	12-90002	4	Self Tapping Screw #8 x 1" Type AB Phillips	-

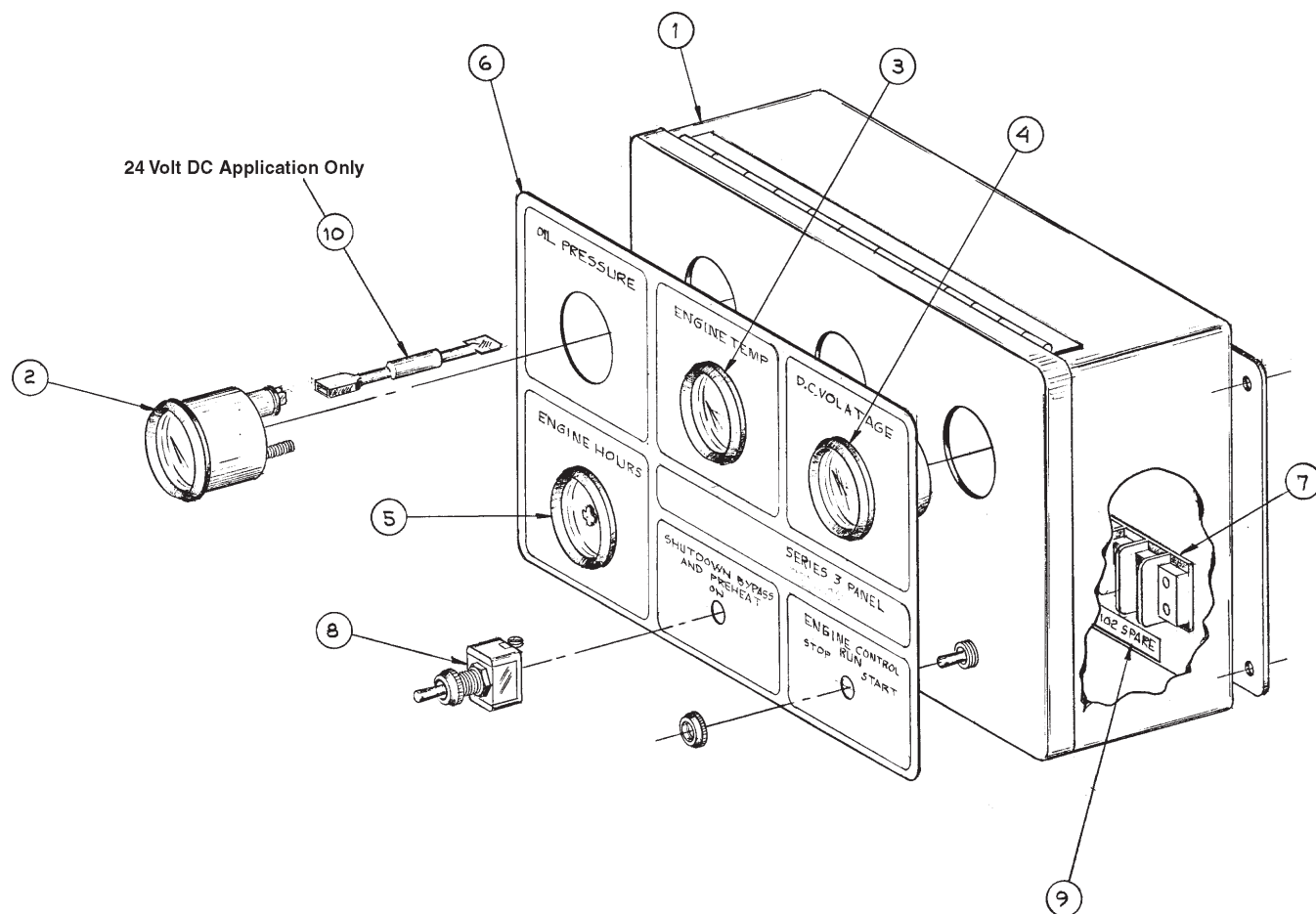
S-3B Control Panel 12 & 24 Volt



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

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

GROUP 6 - GASKET SETS

Cylinder Head Gasket Kit

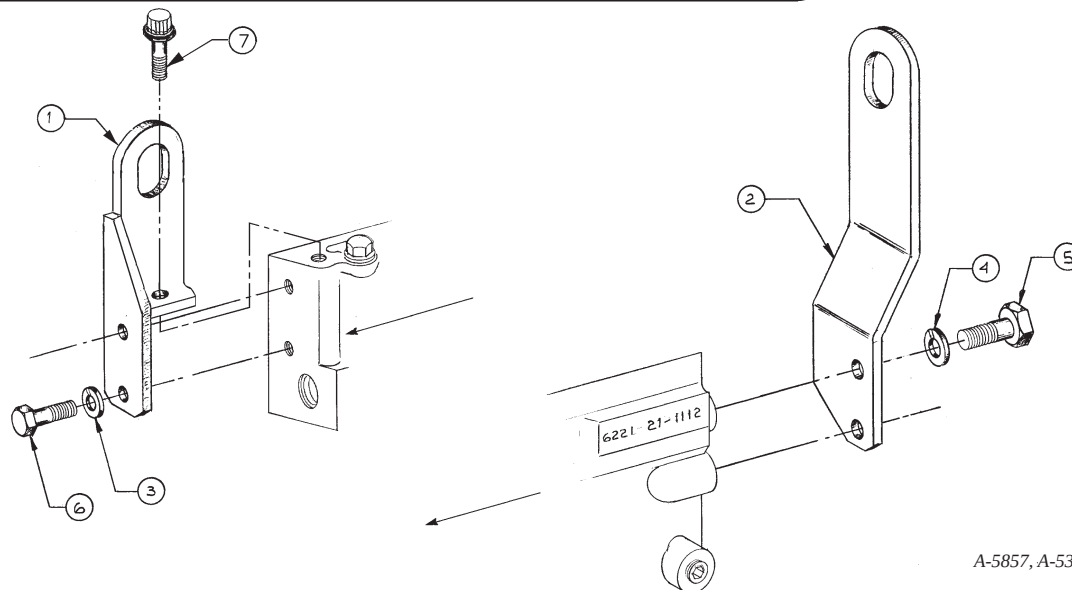
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	29-05700		Gasket Kit, Cylinder Head (includes all keys)	-
1	6221-11-1811	1	Gasket, Cylinder Head	-
2	6221-11-3880	6	Gasket, Injector Seal	-
3	11-10015	2	Gasket, Thermostat Seal	-
4	11-15701	1	Gasket, Heat Exchanger Inlet	-
5	11-15703	1	Gasket, Coolant Connector	-
6	11-31031	1	Gasket, Turbo Oil Return	-
7	11-31014	1	Gasket, Turbo Oil Inlet	-
8	11-35700	4	Gasket, Exhaust Manifold Mounting	-
9	11-35705	1	Gasket, Exhaust Manifold Mounting	-
10	11-35702	1	Gasket, Turbo Mounting	-
11	16-13101	1	O-Ring, Gear Cooler Connection	-
12	16-14802	2	O-Ring, Heat Exchanger End Cover	-
13	16-14804	1	O-Ring, Filler Neck Mounting	-
14	16-15004	3	O-Ring	-
15	16-15007	2	O-Ring, Exhaust Manifold Connector	-
16	16-15701	1	O-Ring, Thermostat Housing	-
17	16-15702	1	O-Ring, Turbo Coolant Connection Adaptor	-
18	16-15703	2	O-Ring, Gear Oil Cooler End Cover	-
19	16-25701	2	O-Ring, Air Inlet Tube	-
20	16-01000	1	O-Ring, Turbo Coolant Outlet	-
21	16-15704	1	O-Ring, Breather Tube Outlet	-
22	11-25701	1	Gasket, Air Inlet Connector	-
23	11-35703	1	Gasket, Turbo Exhaust	-
24	6140-41-4540	6	Seal, Exhaust Valve	-
25	6221-11-6820	2	Gasket, Water Piping	-
26	6136-11-8814	1	O-Ring, Cylinder Head Cover	-
27	6136-11-8142	4	Packing, Cylinder Head Cover	-
28	6114-21-5190	1	O-Ring, Breather Cap	-
29	6222-61-6240	4	O-Ring, After Cooler Core	-
30	6222-11-4710	2	Gasket, After Cooler Cover	-
31	6221-11-4810	6	Gasket, Air Intake Manifold	-
32	6222-11-4820	1	Gasket, Air Connector	-
33	6222-11-6880	2	Gasket, After Cooler	-
34	6222-61-6480	1	O-Ring, Water Pipe	-
35	6138-61-6560	1	Gasket, Water Pipe	-
36	6127-51-1660	1	Gasket, Water Pipe	-
37	6221-11-5810	6	Gasket, Exhaust Manifold	-
38	6131-11-5170	1	Gasket, Turbocharger	-
39	6221-51-8160	1	Gasket, Turbocharger Oil Pipe	-
40	6207-51-7690	1	Gasket, Turbocharger Oil Pipe	-
41	6204-11-3850	6	Dust Seal, Nozzle Holder	-
42	6204-11-3880	6	Gasket, Nozzle Holder	-
43	07005-01612	1	Gasket, Plug	-
44	6138-11-6810	1	Gasket, Thermostat	-
45	07005-01412	10	Gasket, Joint Bolt & Plug	-
46	08034-00414	3	Band, Hose and Wiring	-
47	08034-00519	3	Band, Hose and Wiring	-
48	11-35704	2	Gasket, Turbo Mounting	-
49	11-31635	1	Gasket, Exhaust Outlet Mounting	-

Block Gasket Kit

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
••	29-05710		Gasket Kit, Cylinder Block (includes all keys)	-
1	6221-21-4510	1	Rear Main Seal	-
2	07005-01212	2	Gasket, Cylinder Block Plug	-
3	07005-01012	2	Gasket, Cylinder Block Head	-
4	6136-21-7830	1	Gasket, Cylinder Block Cover	-
5	6138-61-6560	1	Gasket, Cylinder Block Plate	-
6	6221-21-7680	1	Gasket, Cylinder Block Plate	-
7	6221-21-3820	1	Gasket, Front Plate	-
8	6221-21-3810	1	Gasket, Engine Front Cover	-
9	6136-21-3510	1	Front Seal	-
10	07000-03050	1	O-Ring, Injection Gear Cover	-
11	07000-03022	1	O-Ring, Oil Pan Drain Plug	-
12	6136-21-5820	1	Gasket, Oil Pan	-
13	6204-21-5290	2	Gasket, Flywheel Housing Plug	-
14	6221-21-4520	1	Rear Seal	-
15	07000-63035	1	O-Ring, Oil Suction Pipe	-
16	07000-63028	2	O-Ring, Oil Filter Mount	-
17	6136-61-2190	3	O-Ring, Oil Cooler Element & Plug	-
18	6136-61-2150	1	O-Ring, Oil Cooler Thermostat Case	-
19	07000-02018	1	O-Ring, Oil Cooler Plug	-
20	6136-61-2290	2	Gasket, Oil Cooler Element	-
21	6136-61-2820	1	Gasket, Oil Cooler Mount	-
22	07000-23022	1	O-Ring, Oil Cooler Pipe	-
23	07000-63028	1	O-Ring, Oil Cooler Pipe	-
24	07000-62100	1	O-Ring, Inj-Pump Drive Housing Mount	-
25	07000-62012	1	O-Ring, Inj-Pump Drive Housing Mount	-
26	07005-01012	2	Gasket, Injection Pump Piping	-
27	07005-01412	8	Gasket, Fuel Hose Mount	-
28	6150-61-1520	1	Circulating Pump Seal	-
29	07000-05160	1	O-Ring, Pump Cover	-
30	6136-61-1820	1	Gasket, Pump Mount	-
31	6221-81-6810	1	Gasket, Starting Motor Mount	-
32	07000-62100	1	O-Ring, Compressor Drive Case Mount	-
33	07000-63022	1	O-Ring, Compressor Drive Case Mount	-
34	6210-81-3150	1	O-Ring, Air Compressor Mount	-
35	07005-02416	1	Gasket, Air Compressor Adaptor	-
36	6221-21-7680	1	Gasket, Plate Cylinder Block	-
37	07005-01412	8	Gasket, Air Compressor Piping	-
38	07005-01012	4	Gasket, Turbo Lube Oil	-

GROUP 8 - FRAME & MOUNTING

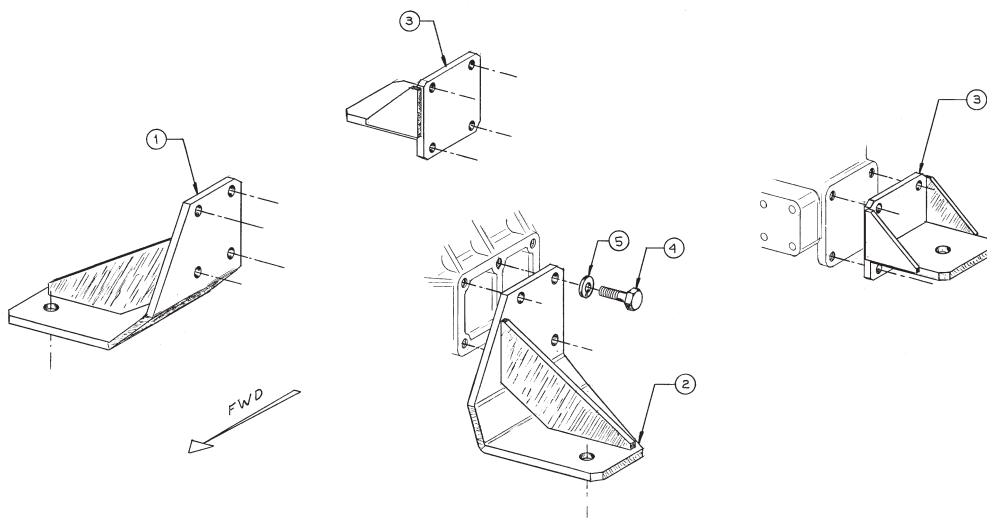
Front & Rear Lifting Eyes



A-5857, A-5363 / C-2672A

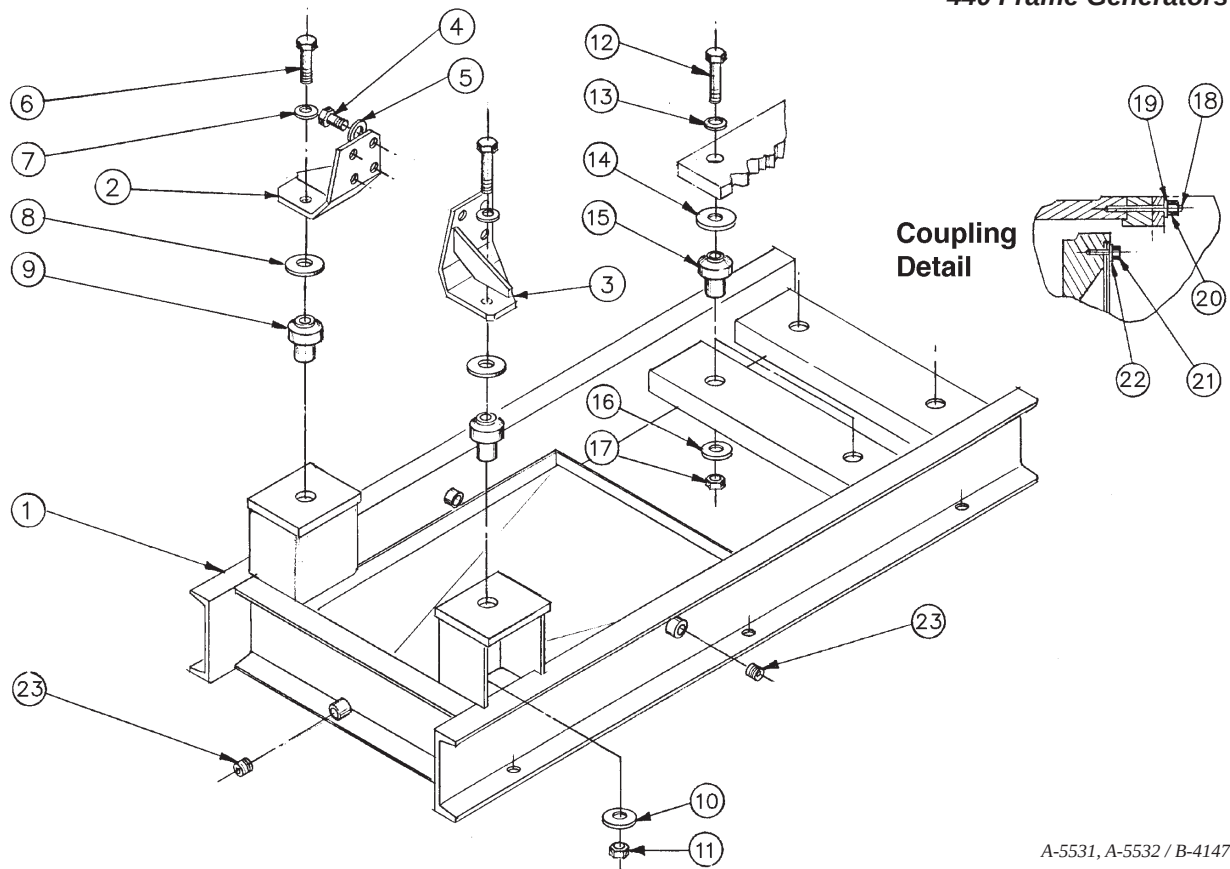
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	00-75704	1	Front Lifting Eye	-
2	00-75703	1	Rear Lifting Eye - SAE #3 Flywheel Housing	-
	00-75716	1	Rear Lifting Eye - SAE #1 Flywheel Housing	-
			} Propulsion Units Only	
3	15-00802	2	Lock Washer M10	-
4	15-00912	2	Lock Washer M12	-
5	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25mm	-
6	12-00831	2	Capscrew, Hex Head M10 x 1.5 x 25mm	-
7	01437-01025	1	Capscrew, 12 Point, M10 x 1.5 x 25 mm	-

Engine Mounting - Lugger



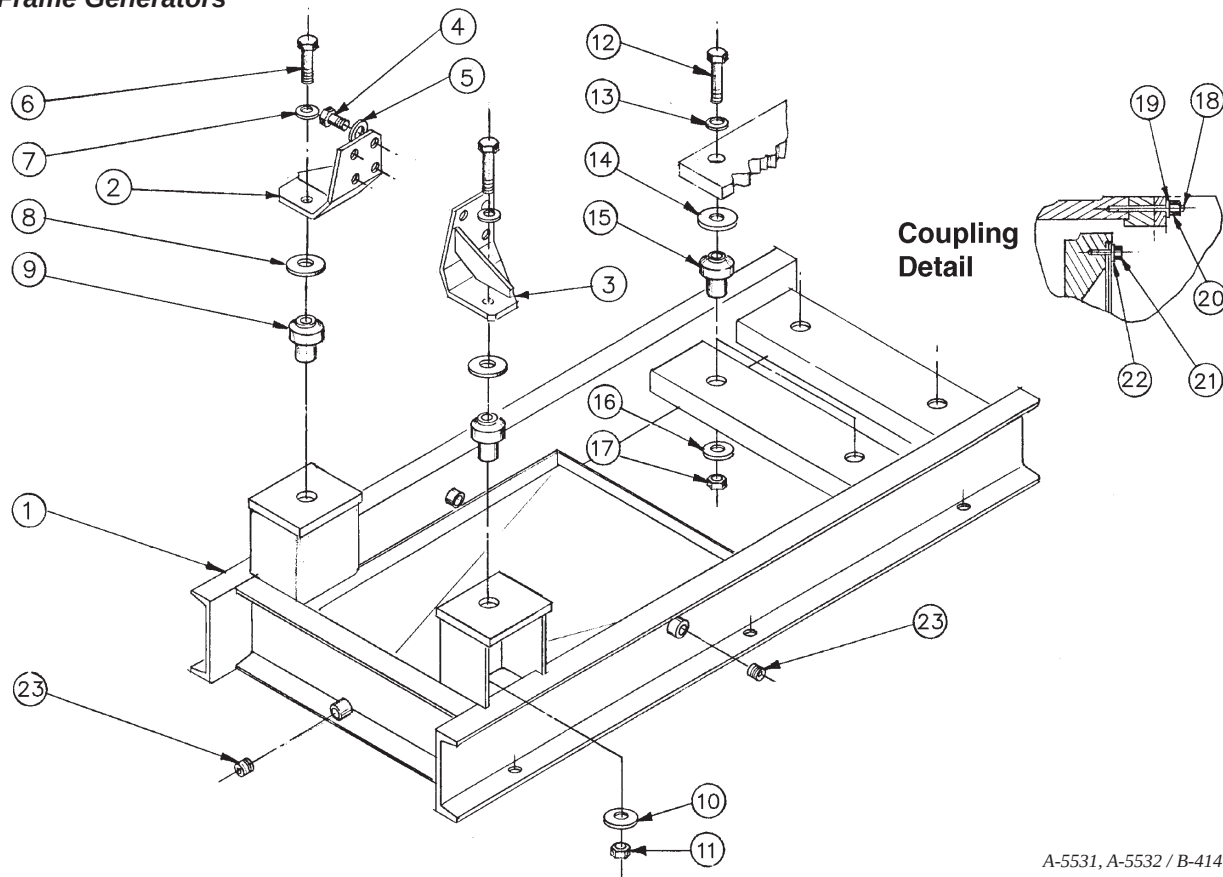
A-5220 / C-2464

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-85701	1	Engine Mounting Bracket, Right Front	-
2	23-85702	1	Engine Mounting Bracket, Left Front	-
3	23-85706	2	Engine Mounting Bracket, Left & Right Rear, SAE #3 Flywheel Housing	-
	23-85707	2	Engine Mounting Bracket, Left & Right Rear, SAE #1 Flywheel Housing	-
4	12-00953	16	Capscrew, Hex Head M12 x 1.75 x 30mm	-
5	15-00912	16	Lock Washer M12	-

Base Frame with Centerbonded Mounts M6108**440 Frame Generators**

A-5531, A-5532 / B-4147

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	39-85719	1	Base Frame, Steel	-
	39-85722	1	Base Frame, Aluminum	-
2	23-85701	1	Bracket, Front Engine Mounting, Right hand	-
3	23-85702	1	Bracket, Front Engine Mounting, Left hand	-
4	12-00953	8	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
5	15-00912	8	Lock Washer M12	-
6	12-00034	2	Capscrew, Hex Head 5/8-11 x 3-1/2"	-
7	15-01330	2	Flat Washer 5/8"	-
8	15-00015	2	Head Washer	-
9	33-81008	2	Centerbonded Mount, 650 lbs.	-
10	15-00025	2	Tail Washer	-
11	14-00912	2	Hex Nut, Nylock 5/8-11	-
12	12-00034	4	Capscrew, Hex Head 5/8-11 x 3-1/2"	-
13	15-01330	4	Flat Washer 5/8"	-
14	15-00015	4	Head Washer	-
15	33-81002	4	Centerbonded Mount, 500 lbs.	-
16	15-00025	4	Tail Washer	-
17	14-00912	4	Hex Nut, Nylock 5/8-11	-
18	13-05700	12	Stud, M12 x 1.75 x 90 mm	-
19	15-00912	12	Lock Washer, Helical M12	-
20	14-04801	12	Hex Nut, M12 x 1.75	-
21	12-00912	8	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
22	15-00912	8	Lock Washer, Helical M12	-
23	21-00530	3	Plug, Hex Head Brass 1/2 NPT	-

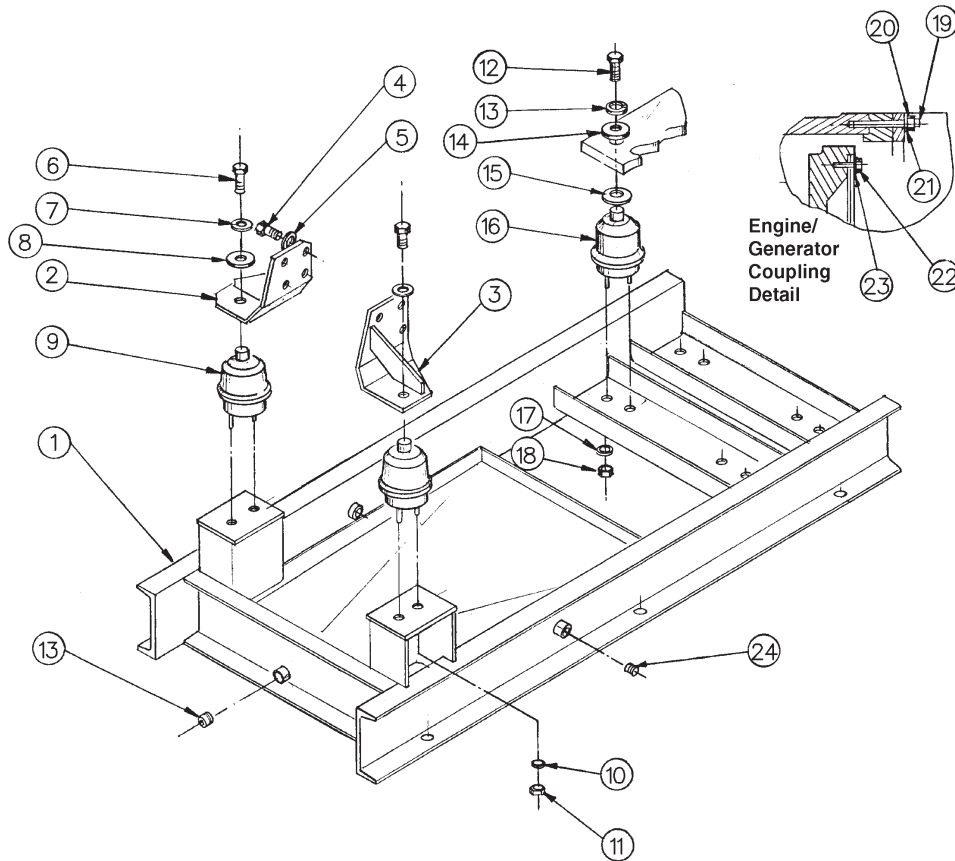
Base Frame with Centerbonded Mounts M6108**432 Frame Generators**

A-5531, A-5532 / B-4147

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	39-85718	1	Base Frame, Steel	-
	39-85714	1	Base Frame, Aluminum	-
2	23-85701	1	Bracket, Front Engine Mounting, Right hand	-
3	23-85702	1	Bracket, Front Engine Mounting, Left hand	-
4	12-00953	8	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
5	15-00912	8	Lock Washer M12	-
6	12-00034	2	Capscrew, Hex Head 5/8-11 x 3-1/2"	-
7	15-01330	2	Flat Washer 5/8"	-
8	15-00015	2	Head Washer	-
9	33-81008	2	Centerbonded Mount, 650 lbs.	-
10	15-00025	2	Tail Washer	-
11	14-00912	2	Hex Nut, Nylock 5/8-11	-
12	12-00034	4	Capscrew, Hex Head 5/8-11 x 3-1/2"	-
13	15-01330	4	Flat Washer 5/8"	-
14	15-00015	4	Head Washer	-
15	33-81008	4	Centerbonded Mount, 650 lbs.	-
16	15-00025	4	Tail Washer	-
17	14-00912	4	Hex Nut, Nylock 5/8-11	-
18	13-05700	12	Stud, M12 x 1.75 x 90 mm	-
19	15-00912	12	Lock Washer, Helical M12	-
20	14-04801	12	Hex Nut, M12 x 1.75	-
21	12-00912	8	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
22	15-00912	8	Lock Washer, Helical M12	-
23	21-00530	3	Plug, Hex Head Brass 1/2 NPT	-

Base Frame With Hydrolastic Mounts M6108

440 Frame Generators

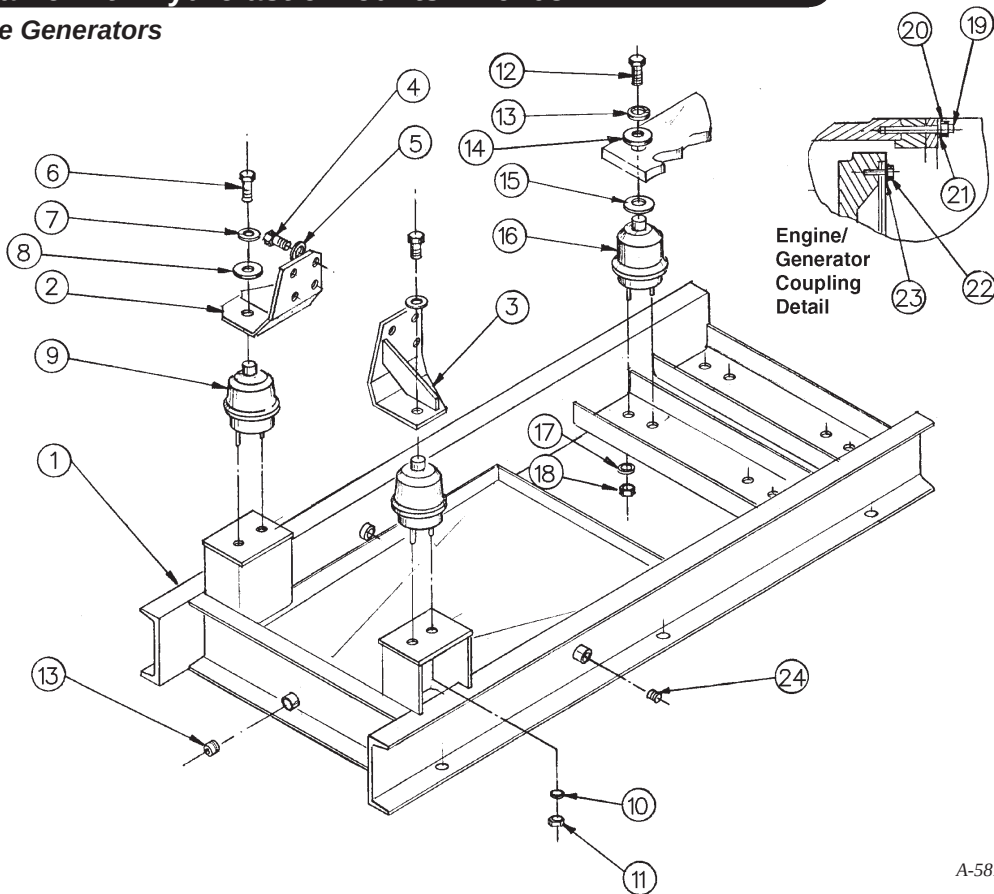


A-5533A, A-5534A / B-4149A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	39-85707	1	Base Frame, Steel	-
	39-85717	1	Base Frame, Aluminum	-
2	23-85701	1	Bracket, Front Engine Mounting, Right hand	-
3	23-85702	1	Bracket, Front Engine Mounting, Left hand	-
4	12-00953	8	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
5	15-00912	8	Lock Washer M12	-
6	12-00913	2	Capscrew, Hex Head 5/8-11 x 1-1/2"	-
7	15-00902	2	Lock Washer, Helical 5/8"	-
8	15-01330	2	Flat Washer, 5/8" SAE	-
9	33-81014	2	Hydrolastic Mount, 600 lbs.	-
10	15-00502	4	Lock Washer, Helical 1/2"	-
11	14-00511	4	Hex Nut, Nylock 1/2-13	-
12	12-00914	4	Capscrew, Hex Head 5/8-11 x 1-3/4"	-
13	15-00902	4	Lock Washer, Helical 5/8"	-
14	15-01330	4	Flat Washer, 5/8" SAE	-
15	15-00901	4	Flat Washer, 5/8" USS	-
16	33-81013	4	Hydrolastic Mounts, 500 lbs.	-
17	15-00502	8	Lock Washer, Helical 1/2"	-
18	14-00511	8	Hex Nut, 1/2-13	-
19	13-05700	12	Stud, M12 x 1.75 x 90 mm	-
20	15-00912	12	Lock Washer, Helical M12	-
21	14-04801	12	Hex Nut M12 x 1.75	-
22	12-00912	8	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
23	15-00912	8	Lock Washer, Helical M12	-
24	21-00531	3	Plug, Square Head, Brass, 1/2 NPT	-

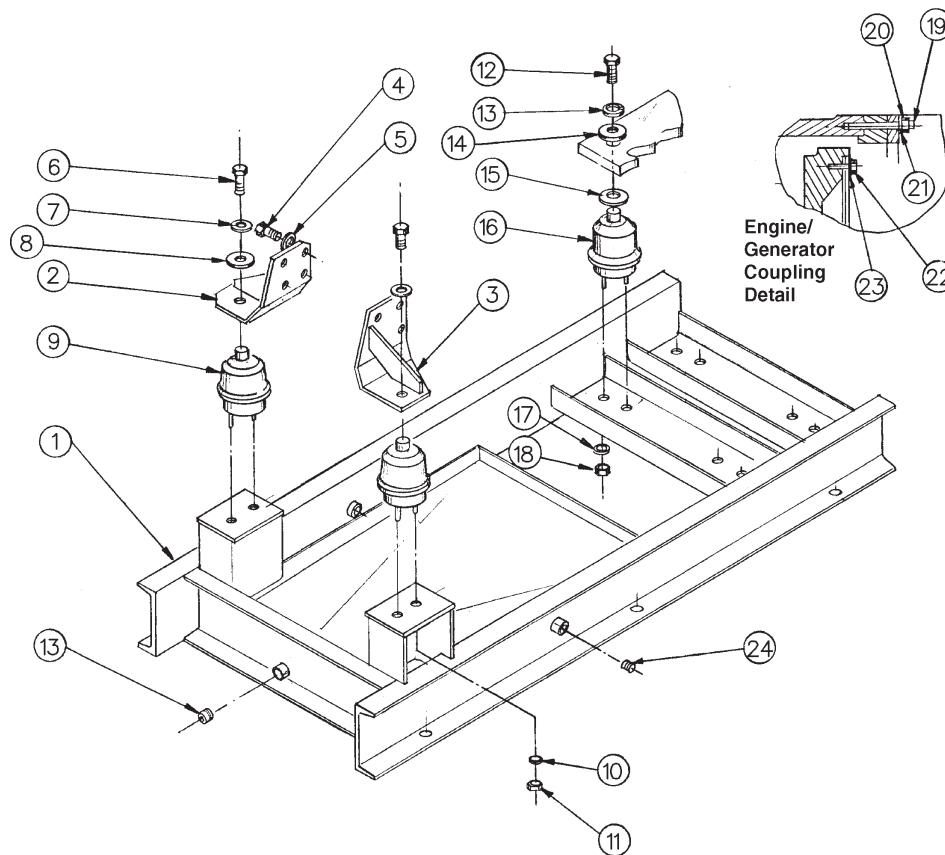
Base Frame with Hydrolastic Mounts M6108

432 Frame Generators



A-5819A, A-5942A / B-4149A

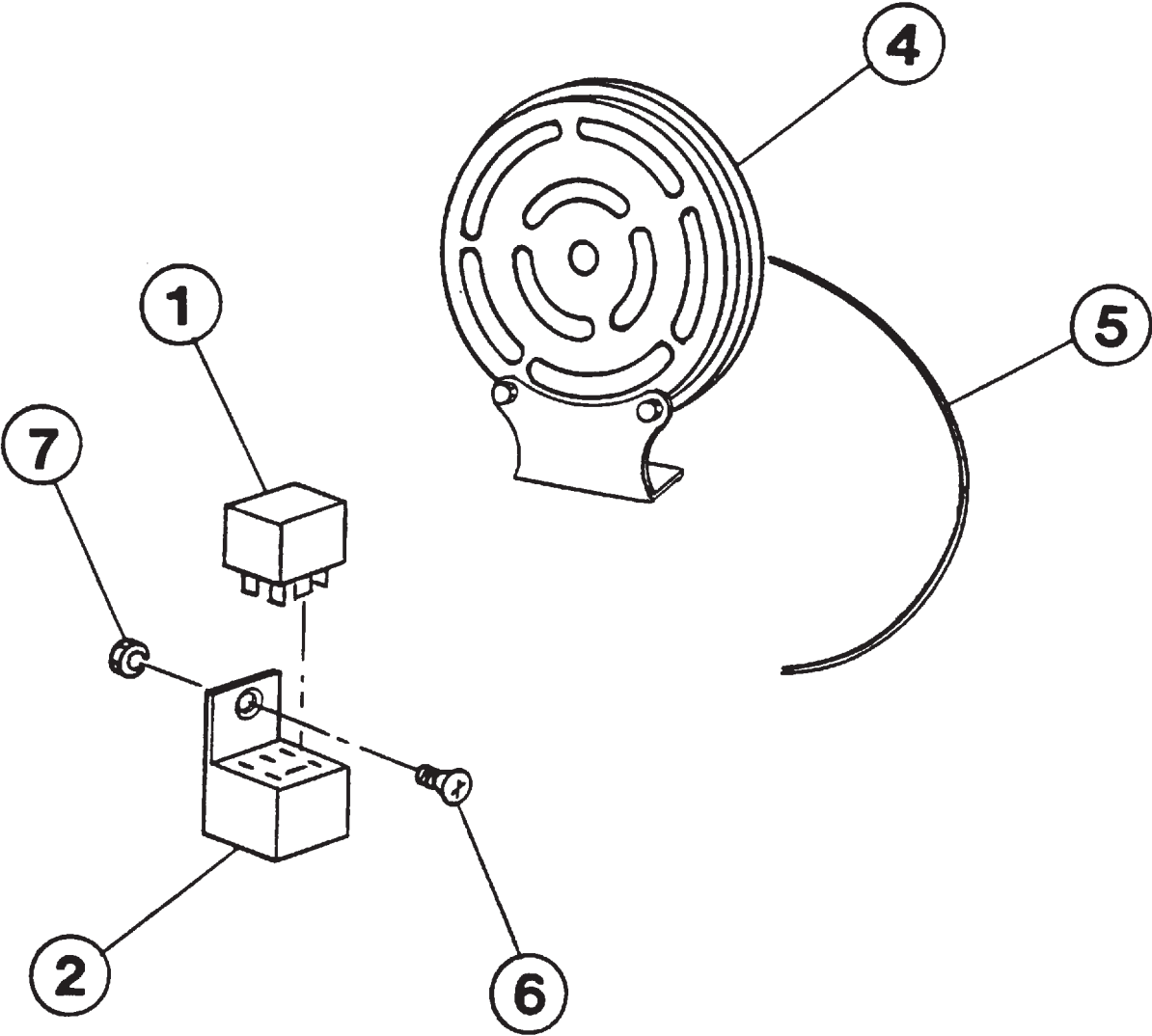
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	39-85709	1	Base Frame, Steel	-
	39-85711	1	Base Frame, Aluminum	-
2	23-85701	1	Bracket, Front Engine Mounting, Right hand	-
3	23-85702	1	Bracket, Front Engine Mounting, Left hand	-
4	12-00953	8	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
5	15-00912	8	Lock Washer M12	-
6	12-00913	2	Capscrew, Hex Head 5/8-11 x 1-1/2"	-
7	15-00902	2	Lock Washer, Helical 5/8"	-
8	15-01330	2	Flat Washer, 5/8" SAE	-
9	33-81014	2	Hydrolastic Mount, 600 lbs.	-
10	15-00502	4	Lock Washer, Helical 1/2"	-
11	14-00511	4	Hex Nut, Nylock 1/2-13	-
12	12-00914	4	Capscrew, Hex Head 5/8-11 x 1-3/4"	-
13	15-00902	4	Lock Washer, Helical 5/8"	-
14	15-01330	4	Flat Washer, 5/8" SAE	-
15	15-00901	4	Flat Washer, 5/8" USS	-
16	33-81014	4	Hydrolastic Mounts, 600 lbs.	-
17	15-00502	8	Lock Washer, Helical 1/2"	-
18	14-00511	8	Hex Nut, 1/2-13	-
19	13-05700	12	Stud, M12 x 1.75 x 90 mm	-
20	15-00912	12	Lock Washer, Helical M12	-
21	14-04801	12	Hex Nut M12 x 1.75	-
22	12-00912	8	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
23	15-00912	8	Lock Washer, Helical M12	-
24	21-00531	3	Plug, Square Head, Brass, 1/2 NPT	-

Base Frame with Hydrolastic Mounts M6108**431 Frame Generators with PMG**

A-9139, A-9140 / B-4149A

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	39-85729	1	Base Frame, Steel	-
	39-85728	1	Base Frame, Aluminum	-
2	23-85701	1	Bracket, Front Engine Mounting, Right hand	-
3	23-85702	1	Bracket, Front Engine Mounting, Left hand	-
4	12-00953	8	Capscrew, Hex Head M12 x 1.75 x 30 mm	-
5	15-00912	8	Lock Washer M12	-
6	12-00913	2	Capscrew, Hex Head 5/8-11 x 1-1/2"	-
7	15-00902	2	Lock Washer, Helical 5/8"	-
8	15-01330	2	Flat Washer, 5/8" SAE	-
9	33-81014	2	Hydrolastic Mount, 600 lbs.	-
10	15-00502	4	Lock Washer, Helical 1/2"	-
11	14-00511	4	Hex Nut, Nylock 1/2-13	-
12	12-00914	4	Capscrew, Hex Head 5/8-11 x 1-3/4"	-
13	15-00902	4	Lock Washer, Helical 5/8"	-
14	15-01330	4	Flat Washer, 5/8" SAE	-
15	15-00901	4	Flat Washer, 5/8" USS	-
16	33-81013	4	Hydrolastic Mounts, 500 lbs.	-
17	15-00502	8	Lock Washer, Helical 1/2"	-
18	14-00511	8	Hex Nut, 1/2-13	-
19	13-05700	12	Stud, M12 x 1.75 x 90 mm	-
20	15-00912	12	Lock Washer, Helical M12	-
21	14-04801	12	Hex Nut M12 x 1.75	-
22	12-00912	8	Capscrew, Hex Head M12 x 1.75 x 25 mm	-
23	15-00912	8	Lock Washer, Helical M12	-
24	21-00531	3	Plug, Square Head, Brass, 1/2 NPT	-

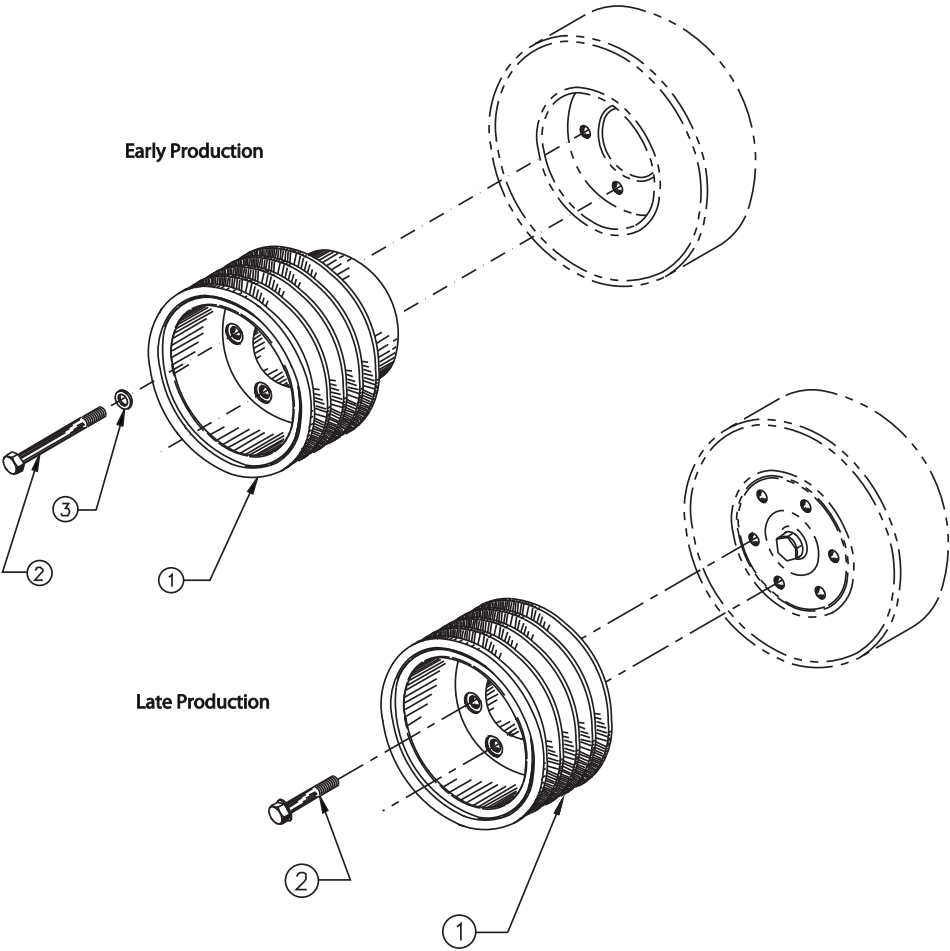
Remote 12 & 24 Volt Loud Alarm Horn



A-4186 / A-4115

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-42047	1	Relay,12 Volt SPST	-
	22-40085	1	Relay, 24 Volt SPST	-
2	22-41032	1	Relay Base	-
3	22-41060	2	6 Amp Diode (not shown)	-
4	22-41007	1	Loud Alarm Horn, 12 Volt	-
	22-40933	1	Loud 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° Flathead, Countersunk	-
7	14-00001	1	Hex Nut, #10 - 32	-

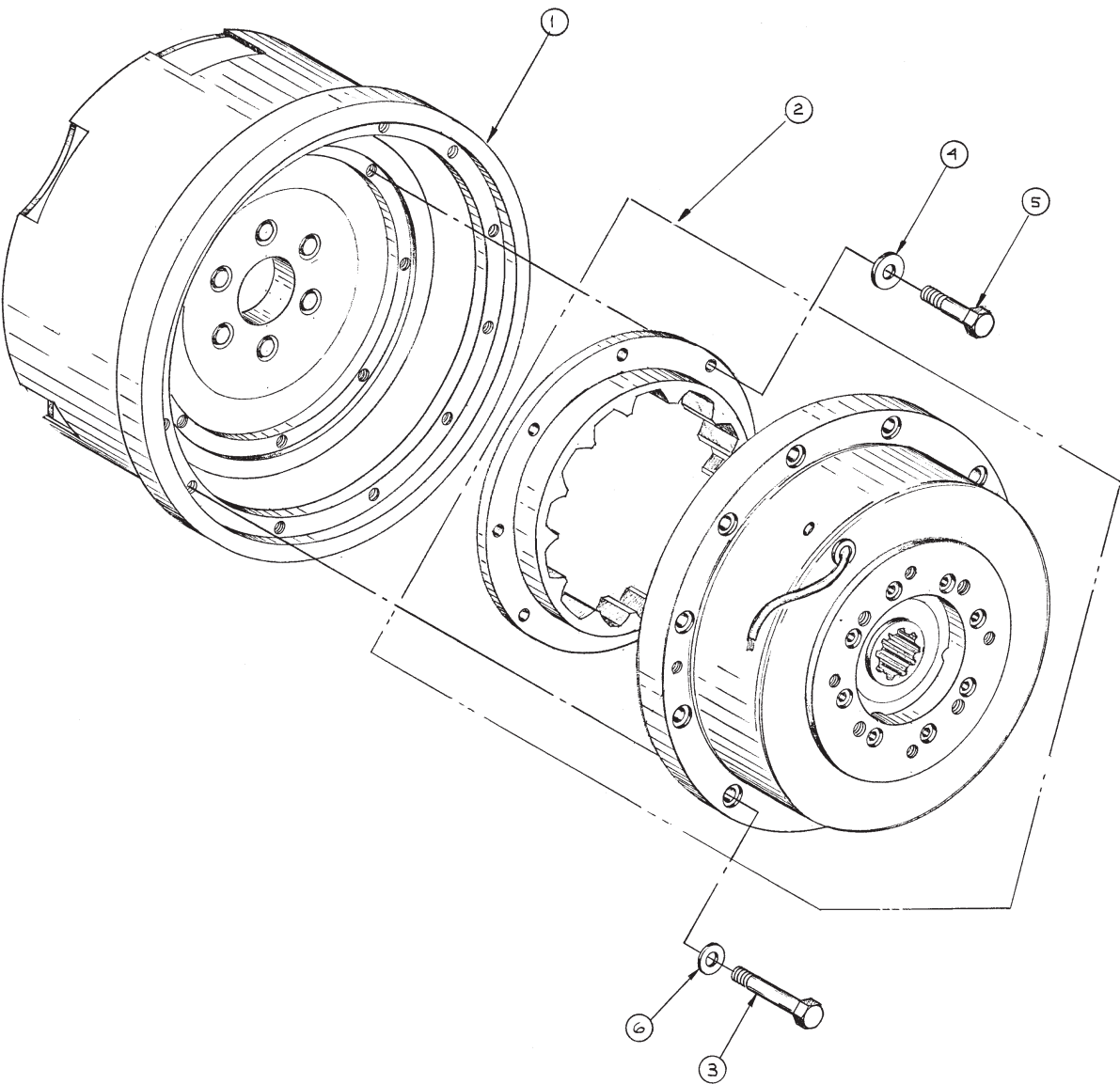
Crankshaft Pulley - 4 A/B Groove



A-6127, A-5356 / C-2723B

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
<i>Early Production</i>				
••	34-75700	1	Crankshaft Pulley Kit (includes all keys)	-
1	34-65701	1	Pulley, 4 A/B Groove (Early - crank driven accessories)	-
2	12-00924	6	Capscrew, Hex Head M12 x 1.75 x 100 mm	-
3	15-00007	6	Flat Washer, M12	-
<i>Late Production</i>				
••	34-75710	1	Crankshaft Pulley Kit (includes all keys)	-
1	34-65703	1	Pulley, 4 A/B Groove (Late - with accessory PTO drive)	-
2	01435-01255	6	Capscrew, Hex Head Flanged, M12 x 1.75 x 55 mm (replaces Capscrew #12-00955 and Washer #15-00007)	-

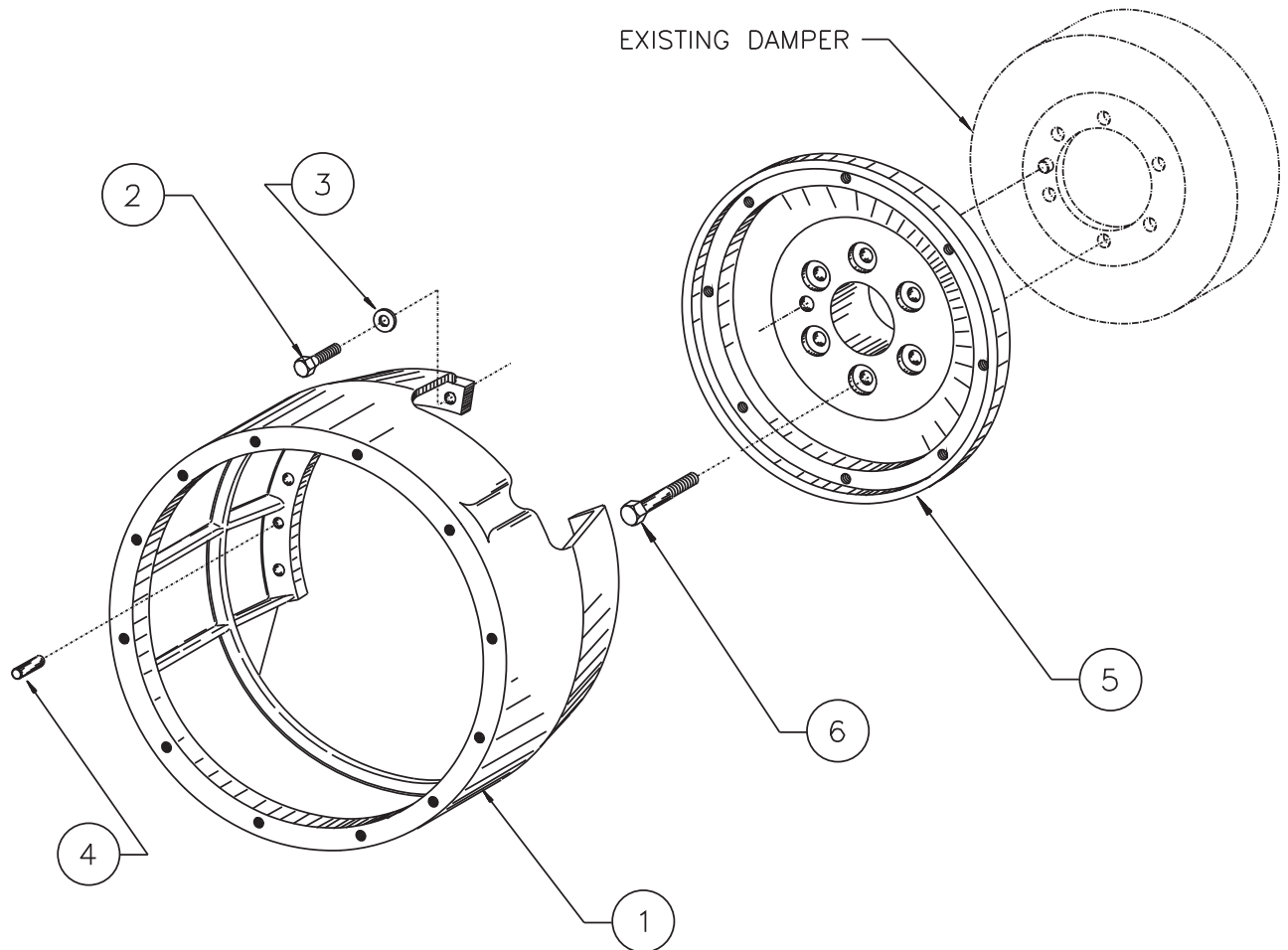
PTO & Electric Clutch Mounting Arrangement L-M6108



A-6244, A-6245/ C-2304

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	31-65700	1	PTO Adapter Assembly - SAE #4/#10 (see parts detail)	-
2	34-60050	1	Electric Clutch H-49/C-Spline 12 Volt (see parts detail)	-
	34-60055	1	Electric Clutch H-49/C-Spline 24 Volt (see parts detail)	-
3	12-00315	12	Capscrew, Hex Head 3/8-16 x 1-3/4"	-
4	15-00301	8	Flat Washer, 3/8	-
5	12-00312	8	Capscrew, Hex Head 3/8-16 x 1"	-
6	15-00300	12	Flat Washer, 3/8 Narrow	-

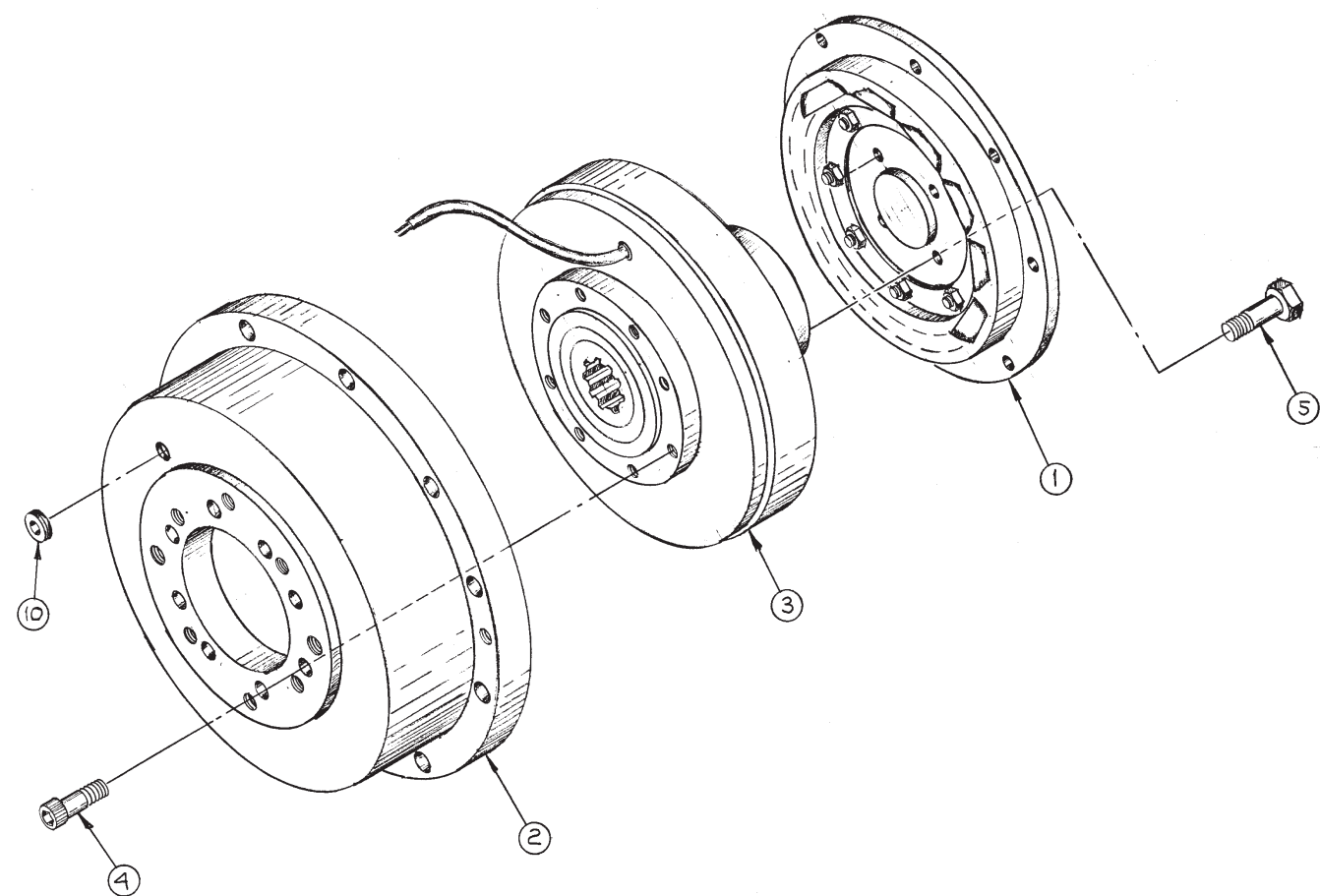
PTO Adapter Parts SAE #4/ #10 L-M6108



A-5859A/ C-3231

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	23-65705	1	PTO Housing SAE #4	-
2	12-00831	6	Capscrew, Hex Head M10 x 1.5 x 25 mm	-
3	15-00805	6	Flat Washer M10	-
4	32-65700	2	Dowel Pin 10 mm OD x 24 mm	-
5	34-65702	1	PTO Carrier SAE #10	-
6	01435-01255	6	Capscrew, Hex Head M12 x 1.75 x 55 mm (Grade 10.9)	-

Electric Clutch Components L-M6108

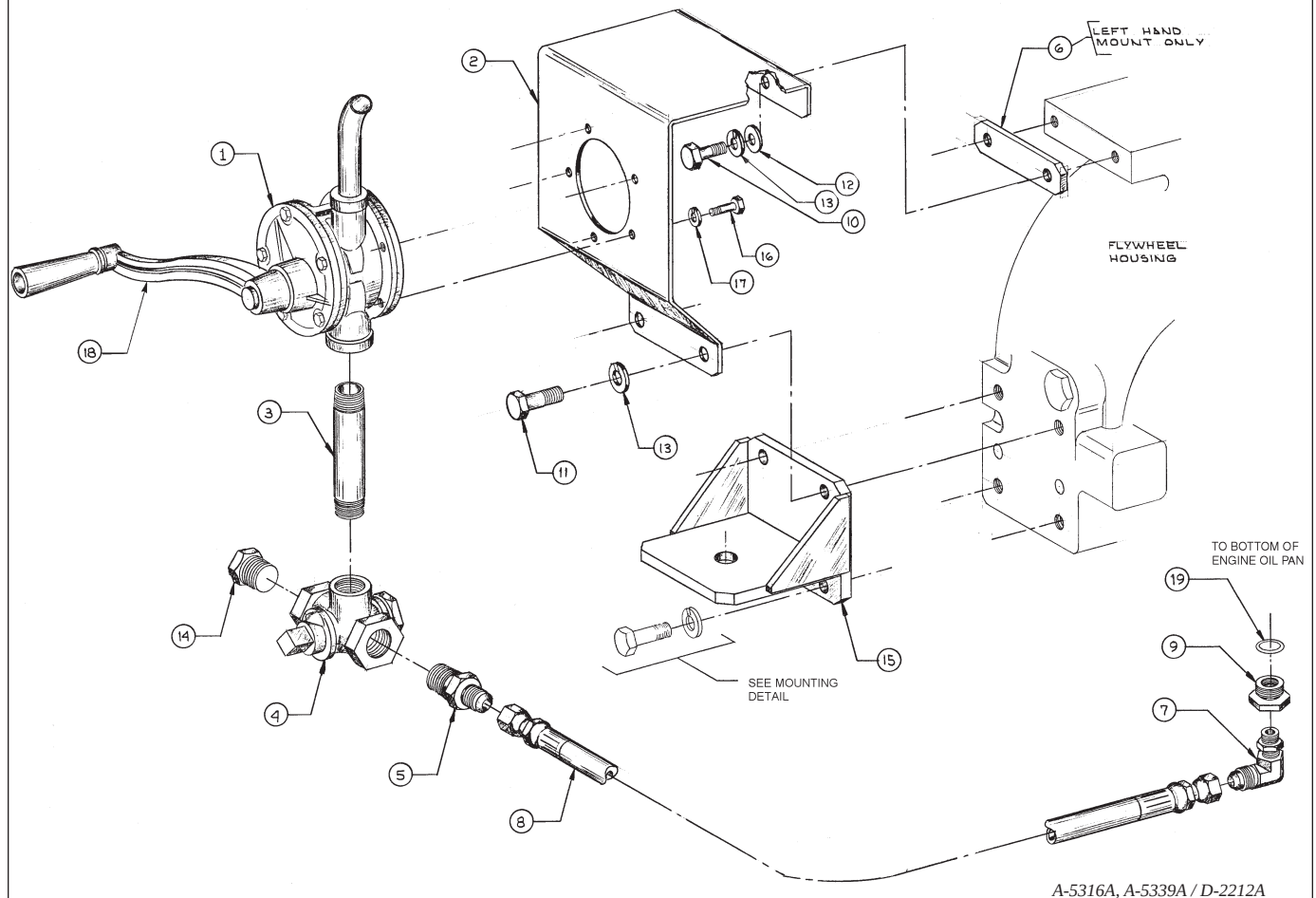


A-3858B, A-4056B/ C-2236

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	34-61454	1	Drive Assembly*	-
2	10-60010	1	Clutch Housing C-Spline SAE #4	-
3	34-60019	1	Electric Clutch H-49 C-Spline, 12 Volt	-
	34-60026	1	Electric Clutch H-49 C-Spline, 24 Volt	-
4	12-00035	8	Capscrew, Socket Head 3/8-16 x 3/4"	-
5	12-00025	4	Capscrew, Hex Head 7/16-20 x 3/4"	-
6	00-61003	1	Grommet	-
*Replacement Rubber Drive Blocks #00-61001, as required.				

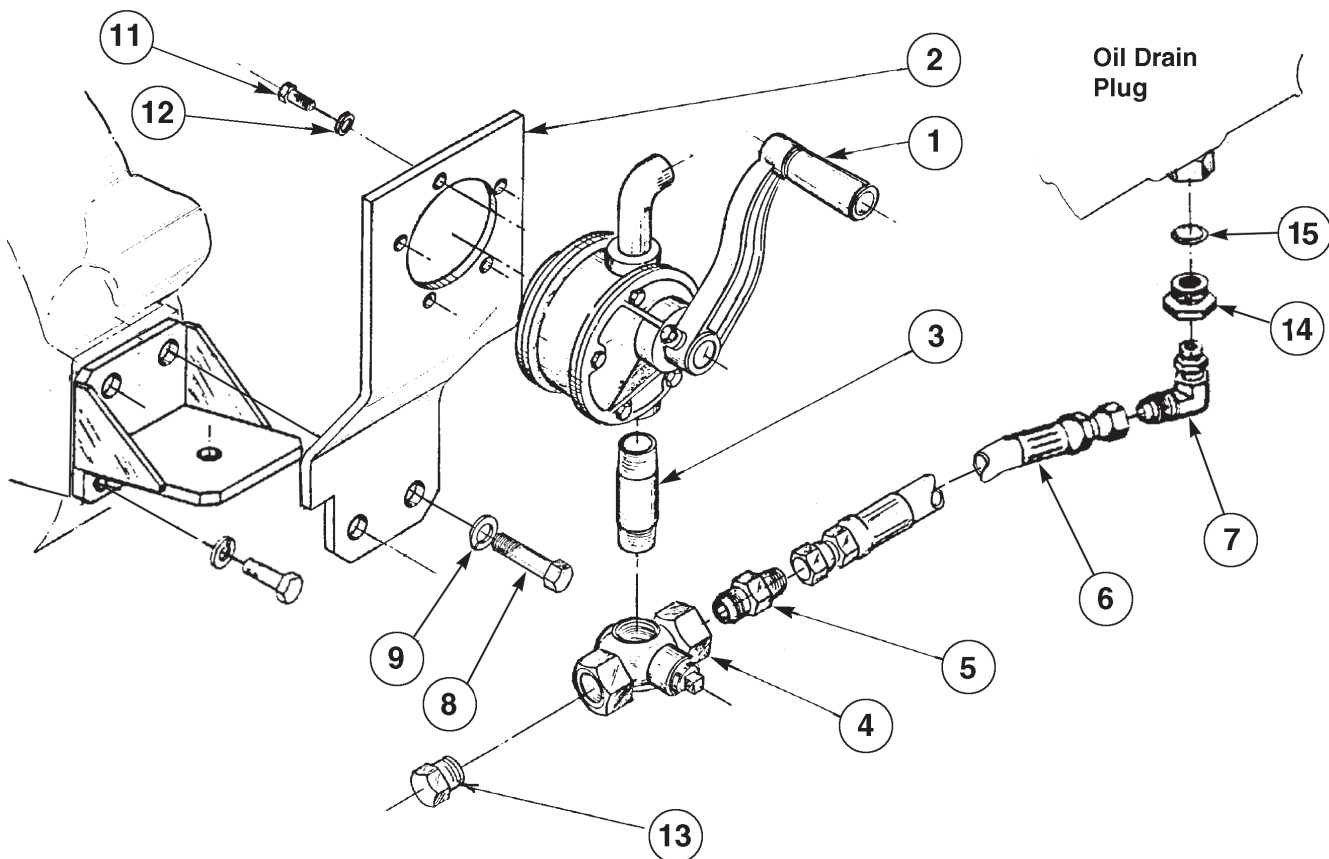
Oil Change Pump - Left or Right Side Mounting

SAE #3 Flywheel Housing



A-5316A, A-5339A / D-2212A

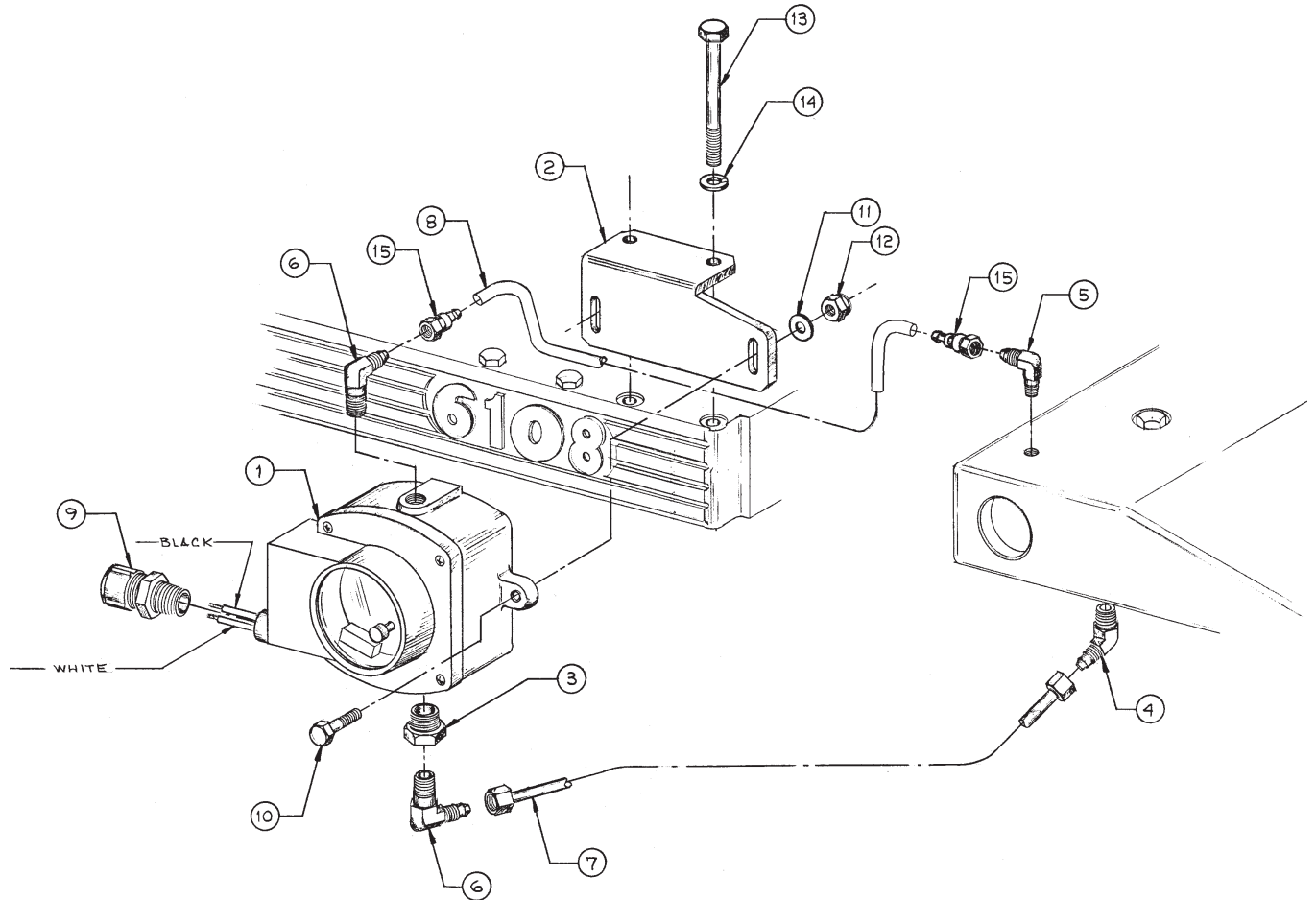
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	36-74807	1	Oil Change Pump (includes Key #18)	-
2	23-75701	1	Mounting Bracket	-
3	21-00000	1	Close Nipple, 3/4 NPT	-
4	36-70001	1	3-Way Valve	-
5	21-60006	1	Male Connection, 3/4 NPT x 1/2-37T	-
6	23-75702	1	Spacer (used only with left side pump)	-
7	21-50000	1	Male Elbow 90° Steel 3/8 O-Ring Port x 1/2-37T	-
8	18-75701	1	Hose Assembly 1/2" ID x 32"	-
9	36-75702	1	Bushing - M24 x 1.5 x 3/8 O-Ring Port	-
10	12-00912	2	Capscrew, Hex Head M12 x 1.75 x 25 mm (right hand only)	-
	12-00953	2	Capscrew, Hex Head M12 x 1.75 x 30 mm (left hand only)	-
11	12-00954	2	Capscrew, Hex Head M12 x 1.75 x 35 mm	-
12	15-00007	2	Flat Washer M12	-
13	15-00912	4	Lock Washer M12	-
14	21-12530	1	Brass Hex Plug 3/4 NPT (not used with gear drain)	-
15	23-85706	1	Engine Mounting Bracket	-
16	12-01131	5	Capscrew, Hex Head M6 x 1.0 x 20 mm	-
17	15-01132	5	Lock Washer M6	-
18	6136-55-7120	1	Handle	-
19	07000-03022	1	O-ring	-

Oil Change Pump - Left or Right Side Mounting**SAE #1 Flywheel Housing**

A-5854 / B-3911z

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	36-74807	1	Oil Drain Pump	-
2	23-74809	1	Mounting Bracket	-
3	21-00000	1	Nipple, BP 3/4 NPT x 3"	-
4	36-70001	1	3 Way Valve, 3/4 NPT	-
5	21-60006	1	Male Connector, Steel 3/4 NPT x 1/2-37T	-
6	18-75701	1	Hose Assembly 1/2" ID x 32"	-
7	21-50000	1	Male Elbow, Steel, 9/16-18 x 1/2-37T	-
8	12-00906	2	Capscrew, Hex Head M12 x 1.75 x 50 mm	-
9	15-00912	2	Lock Washer, Helical M12	-
10	15-00007	2	Flat Washer M12	-
11	12-00031	5	Capscrew, Hex Head M6 x 1.0 x 25 mm	-
12	15-01132	5	Lock Washer, Helical M6	-
13	21-12530	1	Plug, Hex Head, Brass 3/4 NPT (not used with gear drain)	-
14	36-75702	1	Bushing, M24 x 1.5 x 3.8 O-ring Port	-
15	07000-03022	1	O-ring	-

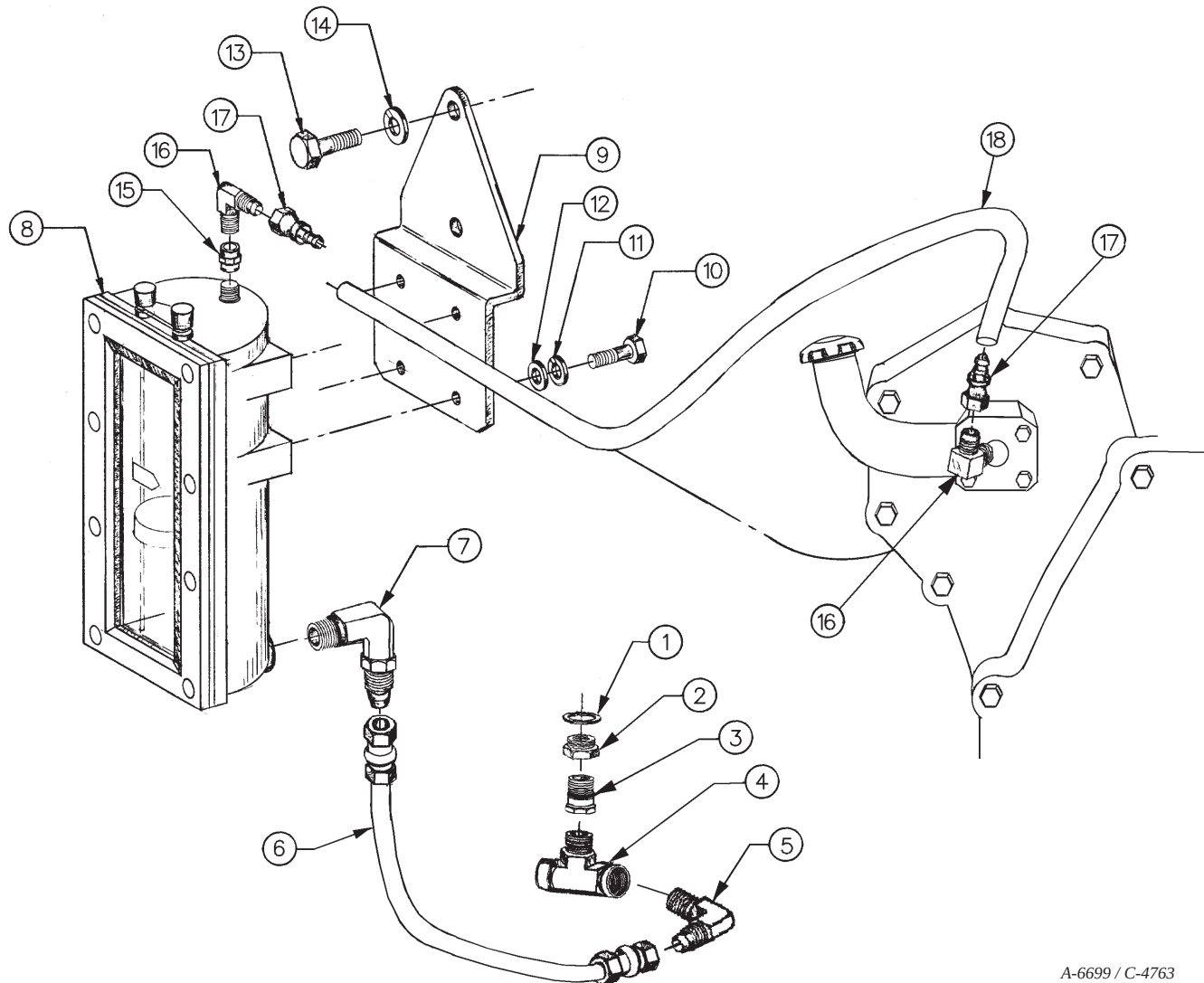
Low Water Level Switch/Gauge



A-5426A / C-2706A

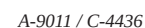
KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	22-10003	1	Coolant Level Switch/Gauge, Isolated Ground	-
2	23-15705	1	Mounting Bracket	-
3	21-00135	1	Brass Bushing 1/2 NPT x 1/4 NPT	-
4	21-05404	1	Male Elbow, 45° Steel 1/4 NPT x 1/4-37T	-
5	21-71053	1	Male Elbow, 90° Steel 1/8 NPT x 1/4-37T	-
6	21-71049	2	Male Elbow, 90° Steel 1/4 NPT x 1/4-37T	-
7	18-14809	1	Hose Assembly 1/4" ID x 8" S/S-Teflon	-
8	18-52000	1	Hose, 1/4" ID x 7"	-
9	00-40016	1	Strain Relief Cable Connection	-
10	12-00112	2	Capscrew, Hex Head 1/4-20 x 1"	-
11	15-00111	2	Flat Washer 1/4"	-
12	14-00112	2	Nylock Hex Nut 1/4-20	-
13	12-00047	2	Capscrew, Hex Head M8 x 1.25 x 100 mm	-
14	15-00702	2	Lock Washer, Helical M8	-
15	21-80002	2	Female Swivel, Steel, 1/4 HB x 1/4-37T	-

Low Oil Level Switch/Gauge M6108



A-6699 / C-4763

KEY	PART NUMBER	QTY	DESCRIPTION	SERIAL NUMBER
1	16-15004	1	O-ring	-
2	36-75702	1	Female Adapter, Steel 3/8 OR Port x M24	-
3	21-50001	1	Female Adapter, Steel 3/8 NPT x 3/8 OR Port	-
4	21-21003	1	Male Branch Tee, Steel 3/8 NPT x 3/8 NPT	-
5	21-52800	1	Male Connector, Steel, 3/8 NPT x 3/8-37T	-
6	18-75704	1	Hose Assembly	-
7	21-70011	1	Male Elbow, 90° Steel, 1/2 NPT x 3/8-37T	-
8	22-10004	1	Oil Level Switch/Gauge, Isolated Ground	-
9	23-75711	1	Bracket, Oil Level Switch/Gauge Mounting	-
10	12-00100	4	Capscrew, Hex Head 1/4-20 x 1/2"	-
11	15-00102	4	Lock Washer, Helical 1/4"	-
12	12-00805	2	Capscrew, Hex Head M10 x 1.5 x 20 mm	-
13	15-00802	2	Lock Washer, Helical M10	-
14	21-71043	2	Male Elbow 90°, Brass 1/8 NPT x 1/4-45T	-
15	21-71045	2	Female Swivel, Brass, 1/4 HB x 1/4-45T	-
16	18-53201	1	Hose, 1/4" ID x 48"	-
17	00-40016	1	Strain Relief Connection, 1/2 NPT	-
18	21-00002	1	Hex Coupling, Brass 1/8 NPT	-



9 - 9



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