



PARTS MANUAL

COMPRESSOR MODEL AIRSOURCE PLUS - IR

BEGIN with SERIAL NUMBER 352301

Code: ~



This manual contains important safety information.

Do not destroy this manual.

This manual must be available to the personnel who operate and maintain this machine.

Utility Equipment
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Section A - Parts Ordering



GENERAL

This publication, which contains an illustrated parts breakdown, has been prepared as an aid in locating those parts which may be required in the maintenance of the unit. Always insist on genuine Ingersoll-Rand Company parts for your compressor.

Ingersoll-Rand Company can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

Ingersoll-Rand Company service facilities and parts are available worldwide. Consult local yellow pages or visit: www.portablepower.irco.com.

Special order parts may not be included in this manual. Contact the Mocksville Parts Department with the unit serial number for assistance with these special parts.

Description

The illustrated parts breakdown illustrates and lists the various assemblies, subassemblies and detailed parts which make up this particular machine. This covers the standard models and the more popular options that are available.

In referring to the rear, the front or to either side of the unit, always consider the drawbar end of the unit as the front.

Standing at the rear of the unit facing the drawbar (front) will determine the right and left sides.

Fasteners

Both SAE/inch and ISO/metric hardware have been used in the design and assembly of these units. In the disassembly and reassembly of parts, extreme care must be taken to avoid damaging threads by the use of wrong fasteners.

How To Order

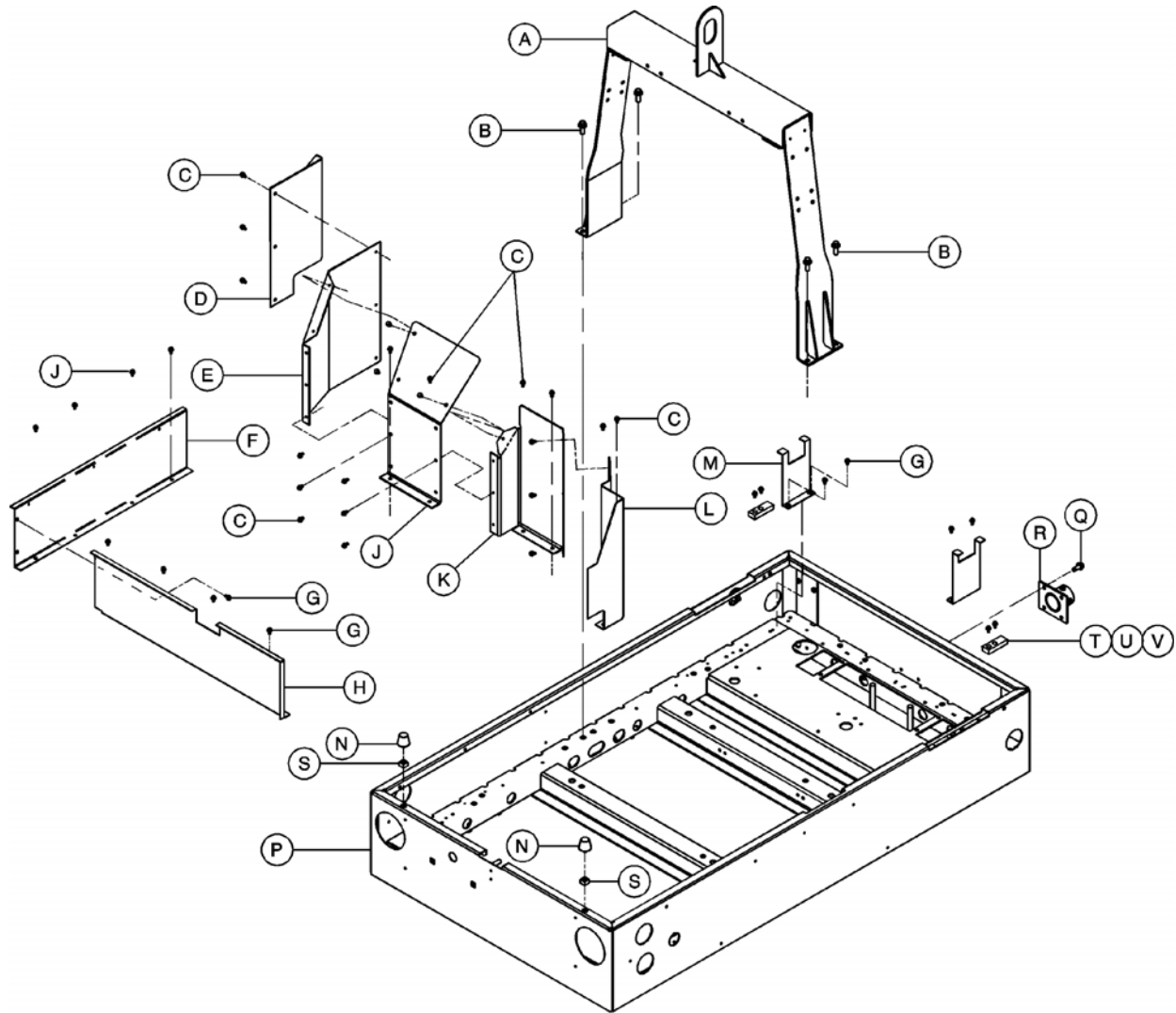
Always specify the model and serial number of the unit.

Specify the part number and description.

Section B - COMPRESSOR PARTS



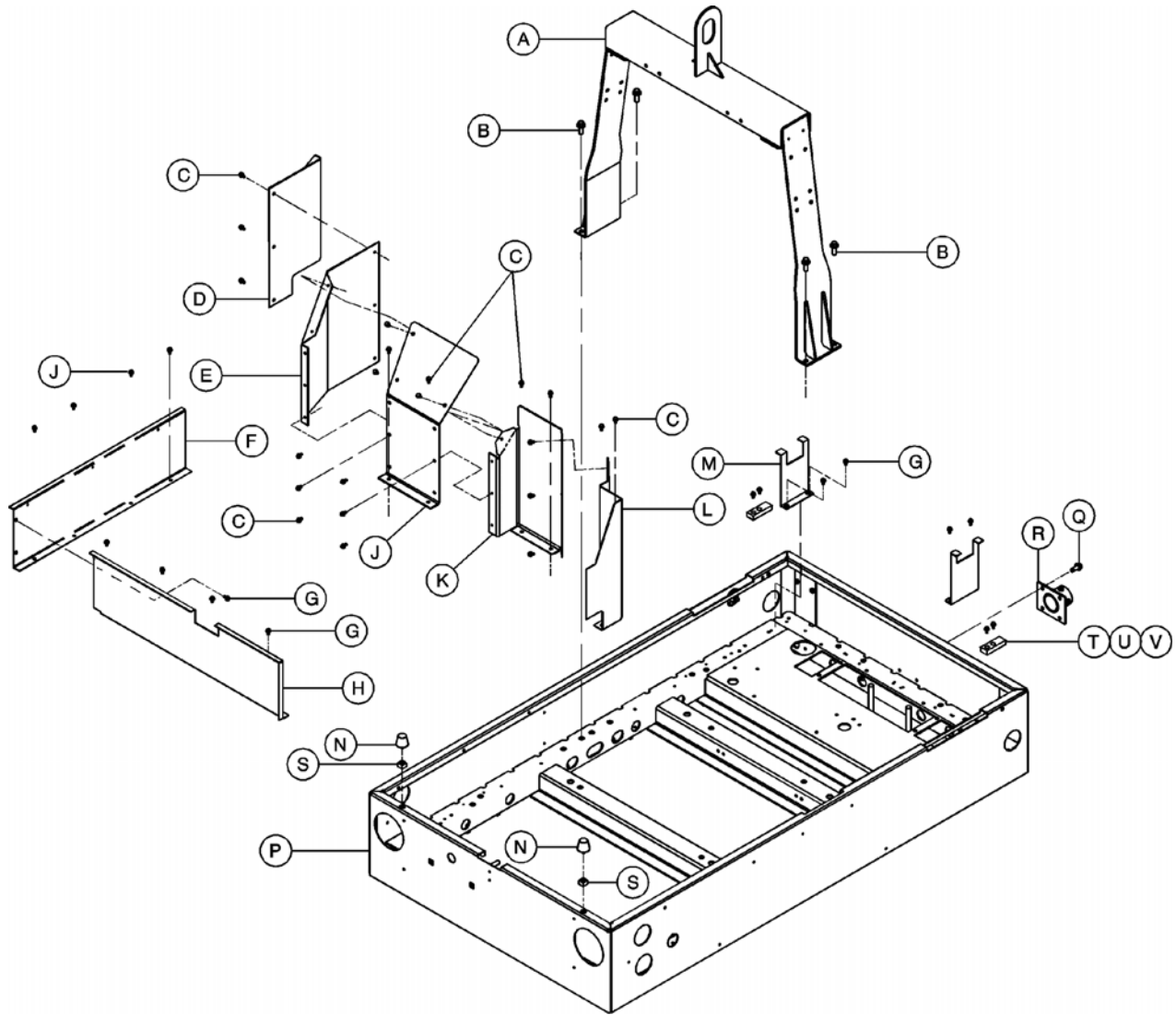
FRAME & LIFTING BAIL ASSEMBLY



22546980_001_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22519888	LIFTING BAIL	1	
B	36879492	SCREW, HEX FLANGE HD M12-1.75 X 30	4	
C	36797652	SCREW, TAPPING M06-1.0 X 12 TAN	25	
D	22528210	BAFFLE, TOOL BOX FRONT	1	
E	22560767	GUARD, TOOL BOX SIDE	1	
F	22535942	GUARD, TOOL BOX FRAME SIDE	1	Prior to S/N 357882
	22640395	GUARD, TOOL BOX FRAME SIDE	1	Begin w/ S/N 357882
G	22538516	SCREW, TAPPING M06-1.0 X 12 BLACK	14	
H	22535959	GUARD, TOOL BOX REAR	1	Prior to S/N 360176
	22688741	GUARD, TOOL BOX REAR	1	Begin w/ S/N 360176
J	22560791	GUARD, TOOL BOX COVER	1	
K	22560775	GUARD, TOOL BOX MIDDLE	1	Prior to S/N 372409
	22867659	GUARD, TOOL BOX MIDDLE	1	Begin w/ S/N 372409
L	22560783	GUARD, TOOL BOX CURB SIDE	1	Prior to S/N 372409
	22868376	GUARD, TOOL BOX CURB SIDE	1	Begin w/ S/N 372409

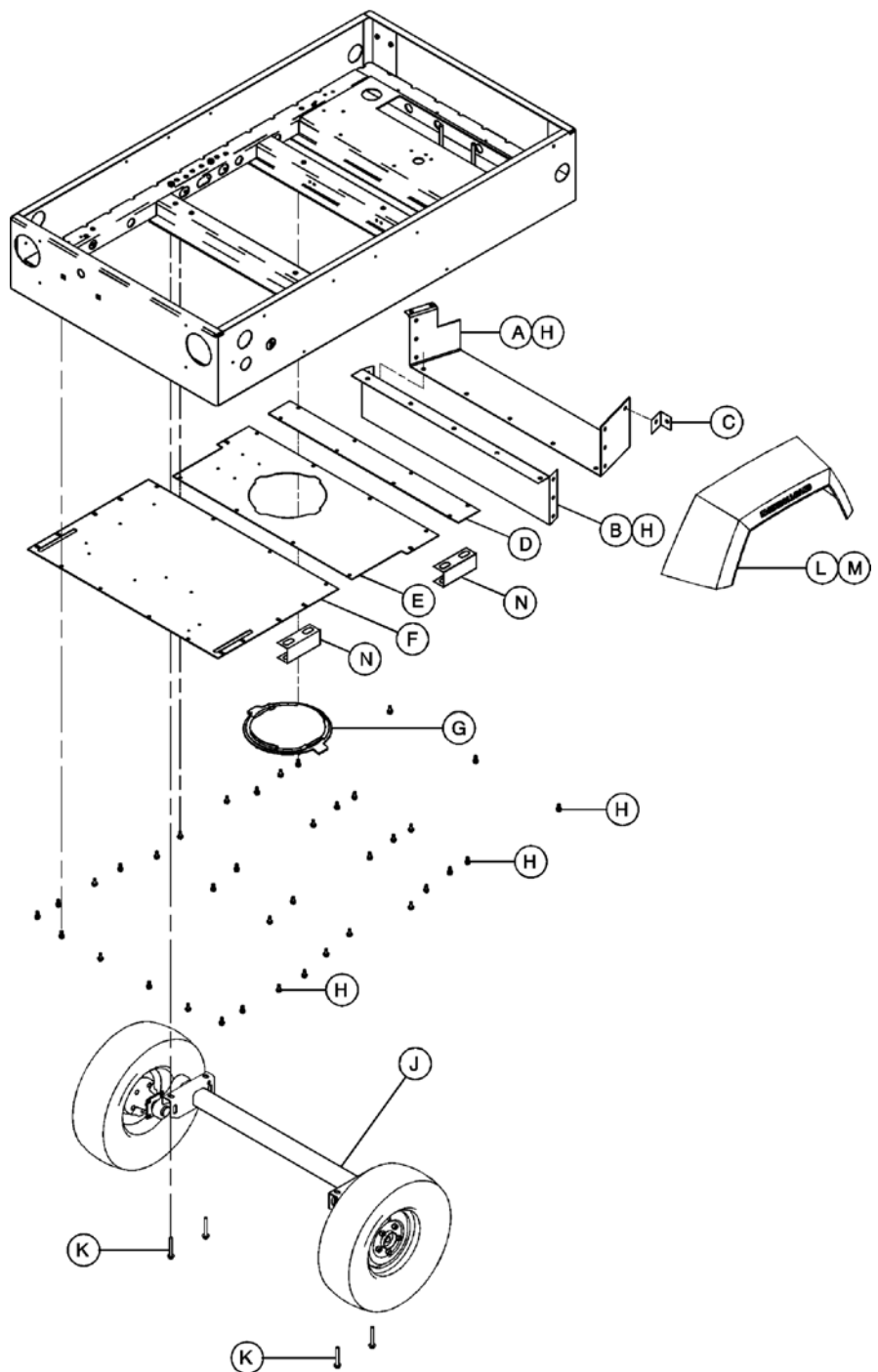
FRAME & LIFTING BAIL ASSEMBLY



22546980_001_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	22538367	GUARD, LIGHT	2	
N	22573786	BUMPER, RUBBER	2	
P	22330294	FRAME	1	Prior to S/N 357883
	22637177	FRAME	1	Between S/N 357883 & 360175
	22688733	FRAME	1	Begin w/ S/N 360176
	22575807	FRAME, GALVANNEAL	1	Prior to S/N 357883
	22637565	FRAME, GALVANNEAL	1	Between S/N 357883 & 360175
	22689285	FRAME, GALVANNEAL	1	Begin w/ S/N 360176
Q	96738802	SCREW, TAPPING M08-1.25 X 20	4	
R	22586168	TUBE, JACK MOUNTING	1	
S	22596886	WELLNUT, 5/16-18	2	
T	22605851	BLOCK, CANOPY STOP	2	
U	36771178	SCREW, HEX M06-1.0 X 30	4	
V	36898104	NUT, HEX FLANGE M06-1.0	4	

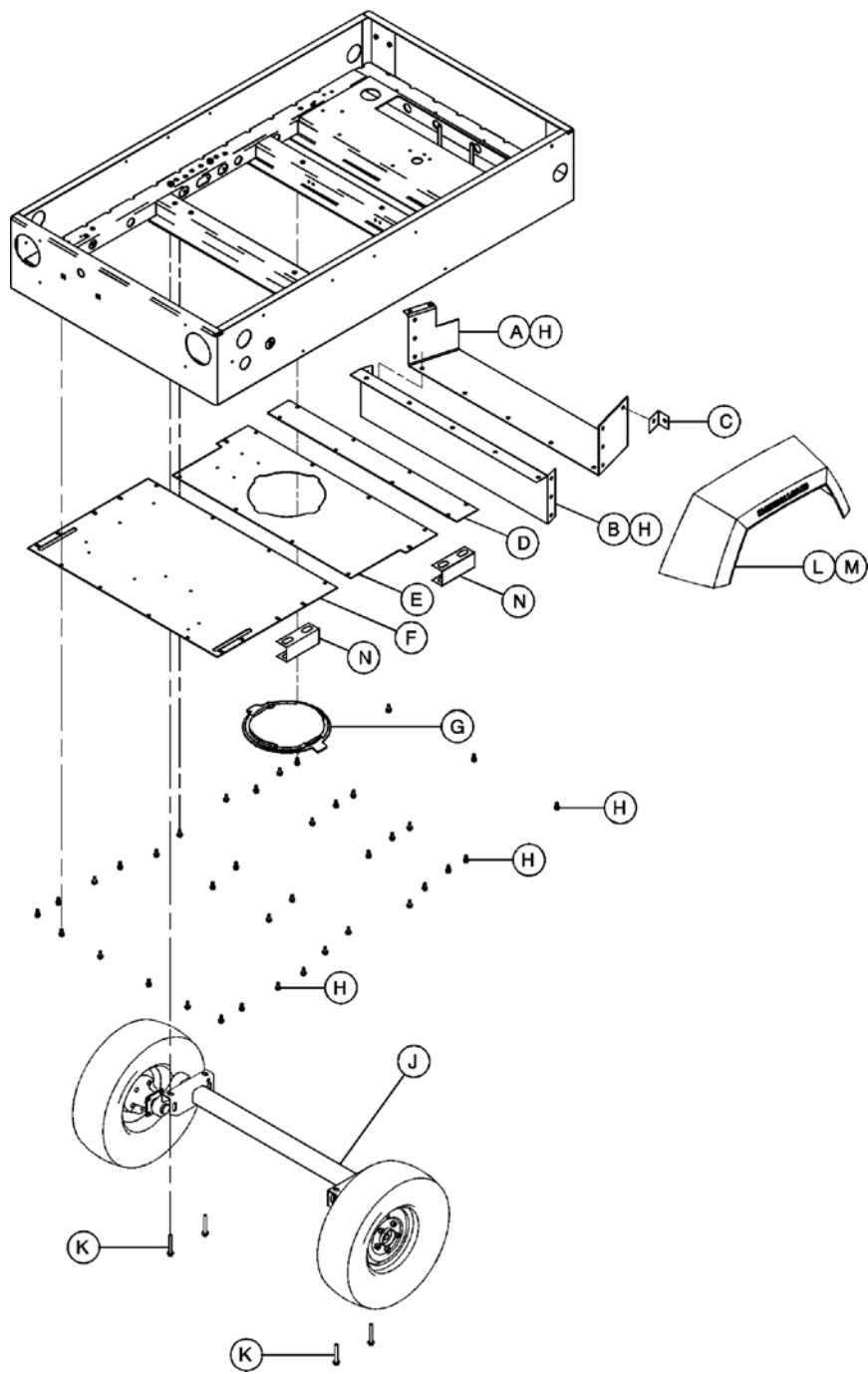
FRAME & BELLY PAN ASSEMBLY



22546980-002_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22585459	BOX, EXHAUST	1	Prior to S/N 371220
	22585541	BOX, GALVANNEAL EXHAUST	1	Prior to S/N 371220
B	22585442	BAFFLE, EXHAUST	1	Prior to S/N 371220
	22585533	BAFFLE, GALVANNEAL EXHAUST	1	Prior to S/N 371220
C	22585467	BRACKET, EXHAUST	1	Prior to S/N 371220
	22585582	BRACKET, GALVANNEAL EXHAUST	1	Prior to S/N 371220

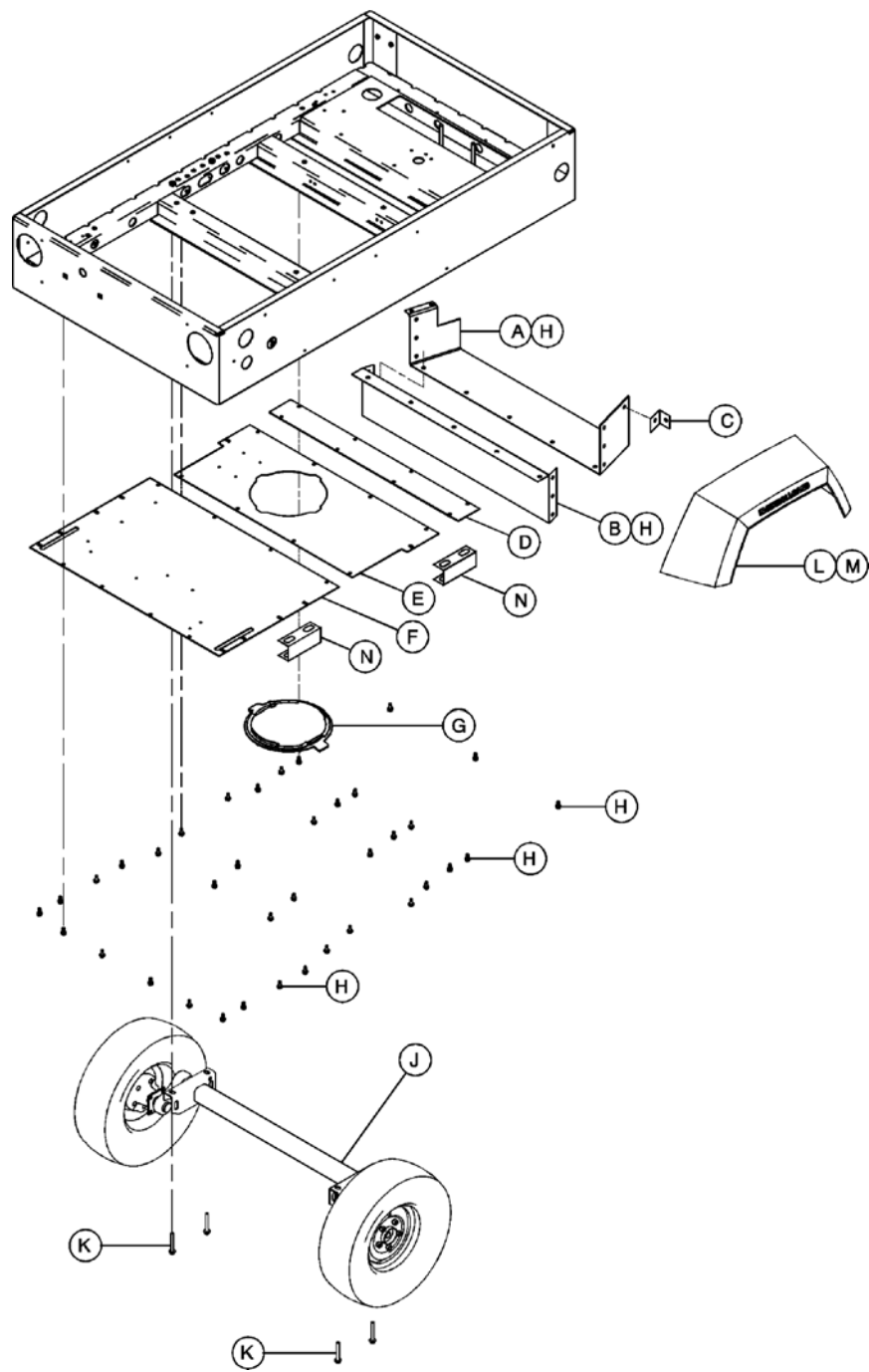
FRAME & BELLY PAN ASSEMBLY



22546980-002_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
D	22337877	PAN, FRONT BELLY	1	Prior to S/N 357882
	22687185	PAN, FRONT BELLY	1	Begin w/ S/N 357882
	22575989	PAN, FRONT GALVANNEAL BELLY	1	Prior to S/N 357882
	22637573	PAN, FRONT GALVANNEAL BELLY	1	Begin w/ S/N 357882
E	22600910	PAN, MIDDLE BELLY	1	Prior to S/N 352698
	22575997	PAN, MIDDLE GALVANNEAL BELLY	1	Prior to S/N 371220
F	22337851	PAN, REAR BELLY	1	
	22576003	PAN, REAR GALVANNEAL BELLY	1	

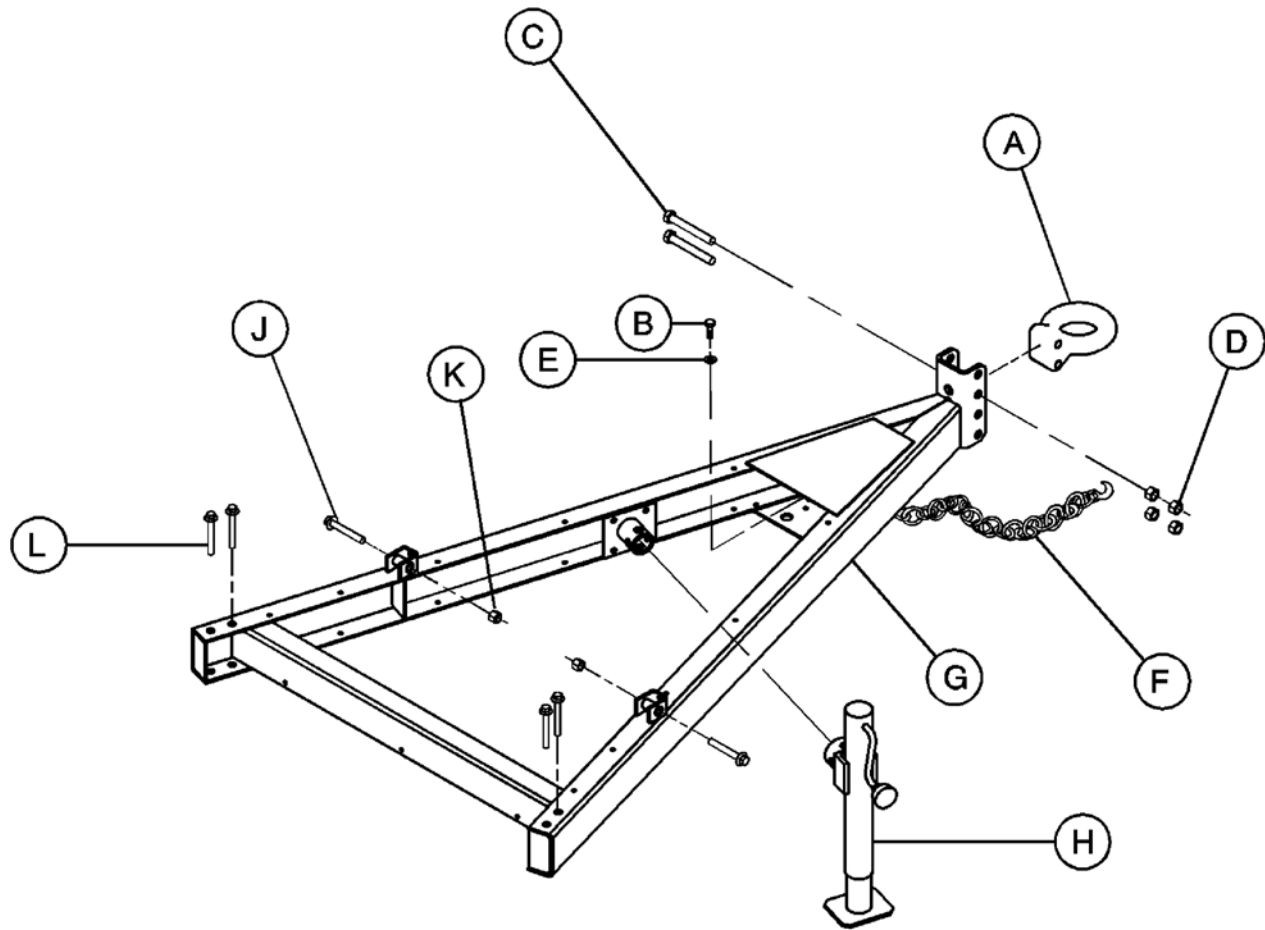
FRAME & BELLY PAN ASSEMBLY



22546980-002_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
G	36880623	COVER, FLEXABLE	1	Prior to S/N 356574 Begin w/ S/N 356574
H	22538490	SCREW, TAPPING M08-1.25 X20	54	
J	22542096	RUNNING GEAR	1	
K	36879492	SCREW, HEX FLANGE HD M12-1.75 X 25	4	
L	36877579	FENDER	2	
M	92368687	SCREW, TAPPING M06-1.0 X 14	10	
	22538508	SCREW, TAPPING M06-1.0 X 20	10	
N	22597561	BRACKET, SHIPPING	4	

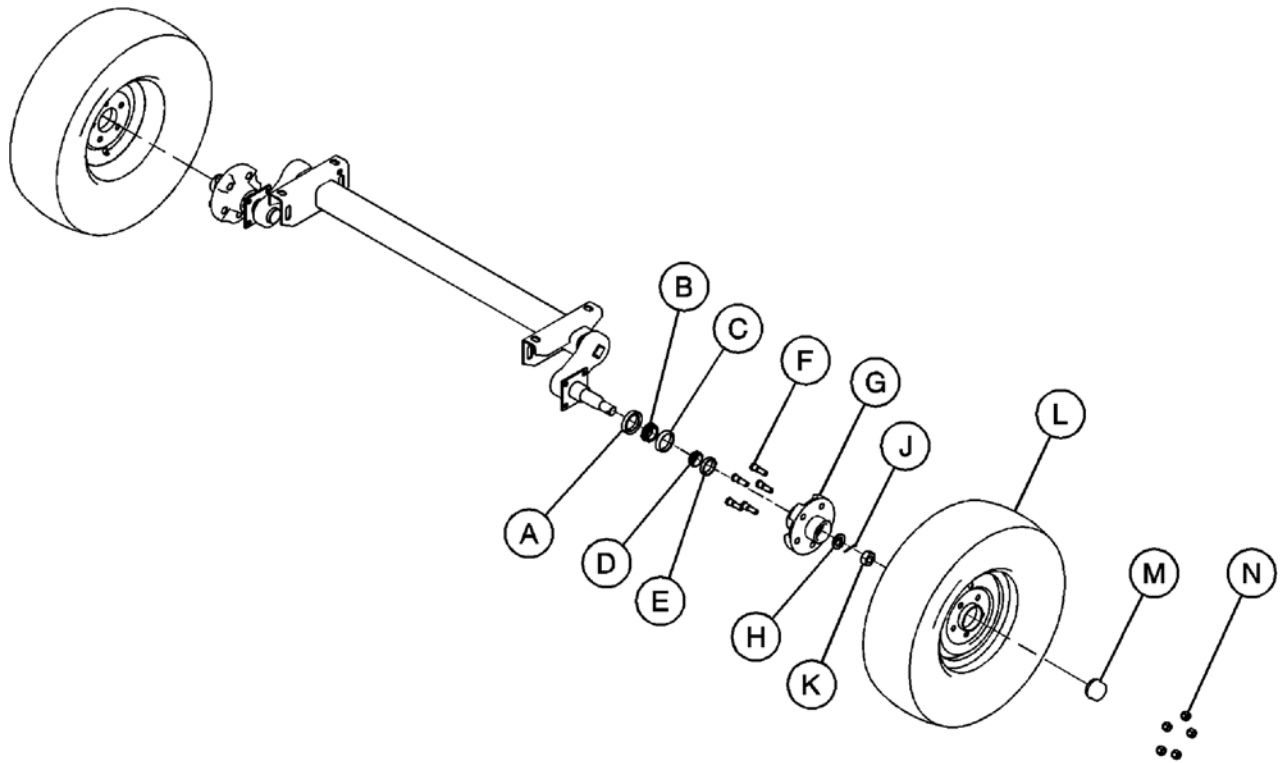
DRAWBAR ASSEMBLY



22546980_003_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35605187	EYE, 3" PINTEL	1	
B	35279025	SCREW, TAPPING M08-1.25 X20	2	
C	35376094	SCREW, HEX M16-2.0 X 120	2	
D	96701750	NUT, HEX M16-2.0	4	
E	95934907	WASHER, FLAT 7/16" X 1.0"	2	
F	22144521	CHAIN/HOOK ASM.	2	
G	22271696	DRAWBAR ASM.	1	
H	22564611	JACK ASM.	1	
J	96747282	SCREW, HEX FLANGE HD M14-2.0 X 90	4	
K	96728555	NUT, NYLOC M14-2.0	2	
L	96747290	SCREW, HEX FLANGE M12-1.75 X 90	4	

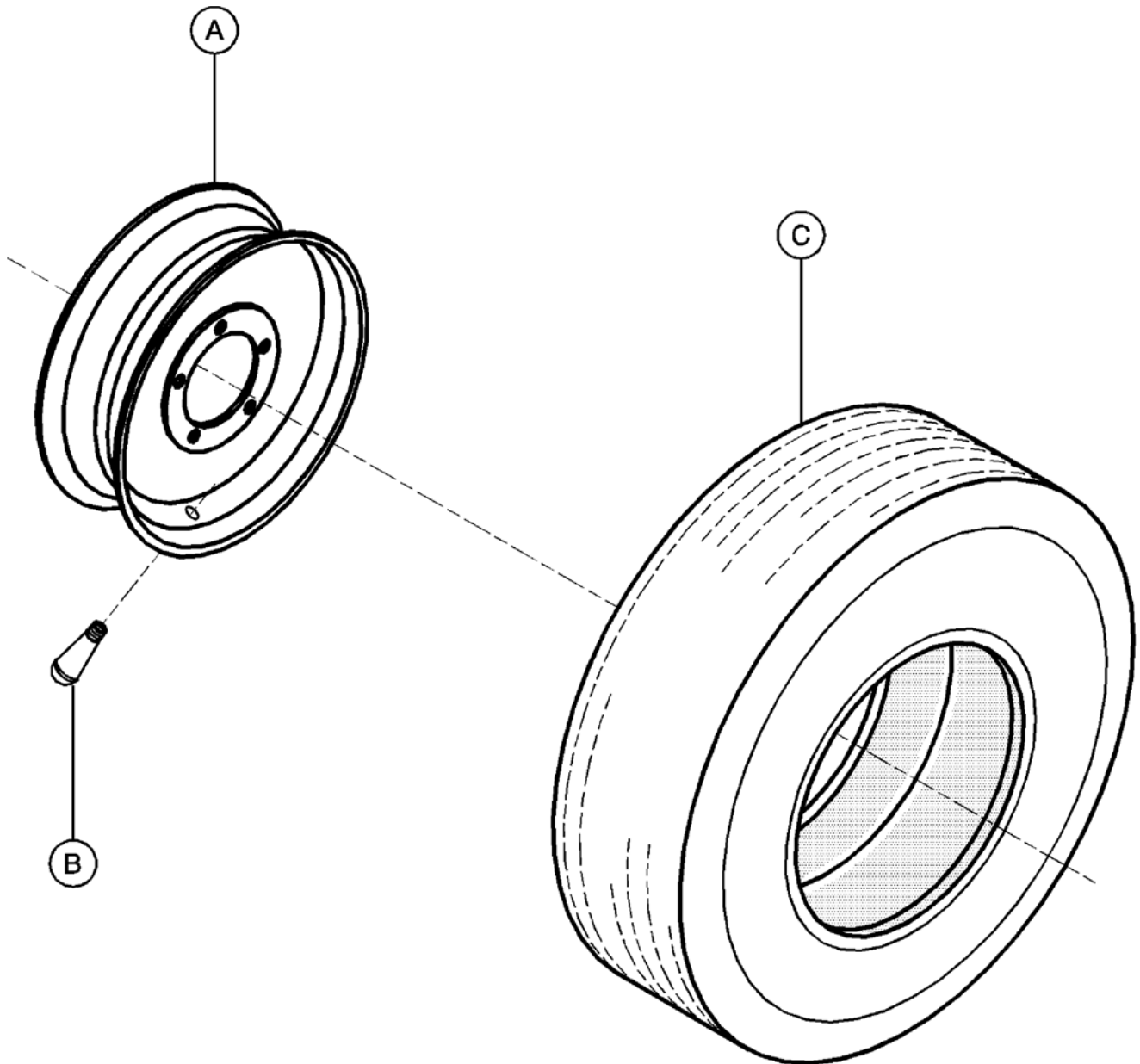
RUNNING GEAR



22546980_004_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35391101	SEAL, GREASE	2	
B	35361864	CONE, INNER BEARING	2	
C	35361872	CUP, INNER BEARING	2	
D	35315191	CONE, OUTER BEARING	2	
E	35315183	CUP, OUTER BEARING	2	
F	35361898	STUD, WHEEL	10	
G	36848158	HUB w/ CUPS	2	
H	35315209	WASHER, SPINDEL	2	
J	35315225	PIN, COTTER	2	
K	35315217	NUT, SPINDLE	2	
L	36073559	TIRE & WHEEL ASM.	2	
M	35391127	CAP, GREASE/DUST	2	
N	35315274	NUT, WHEEL LUG	10	

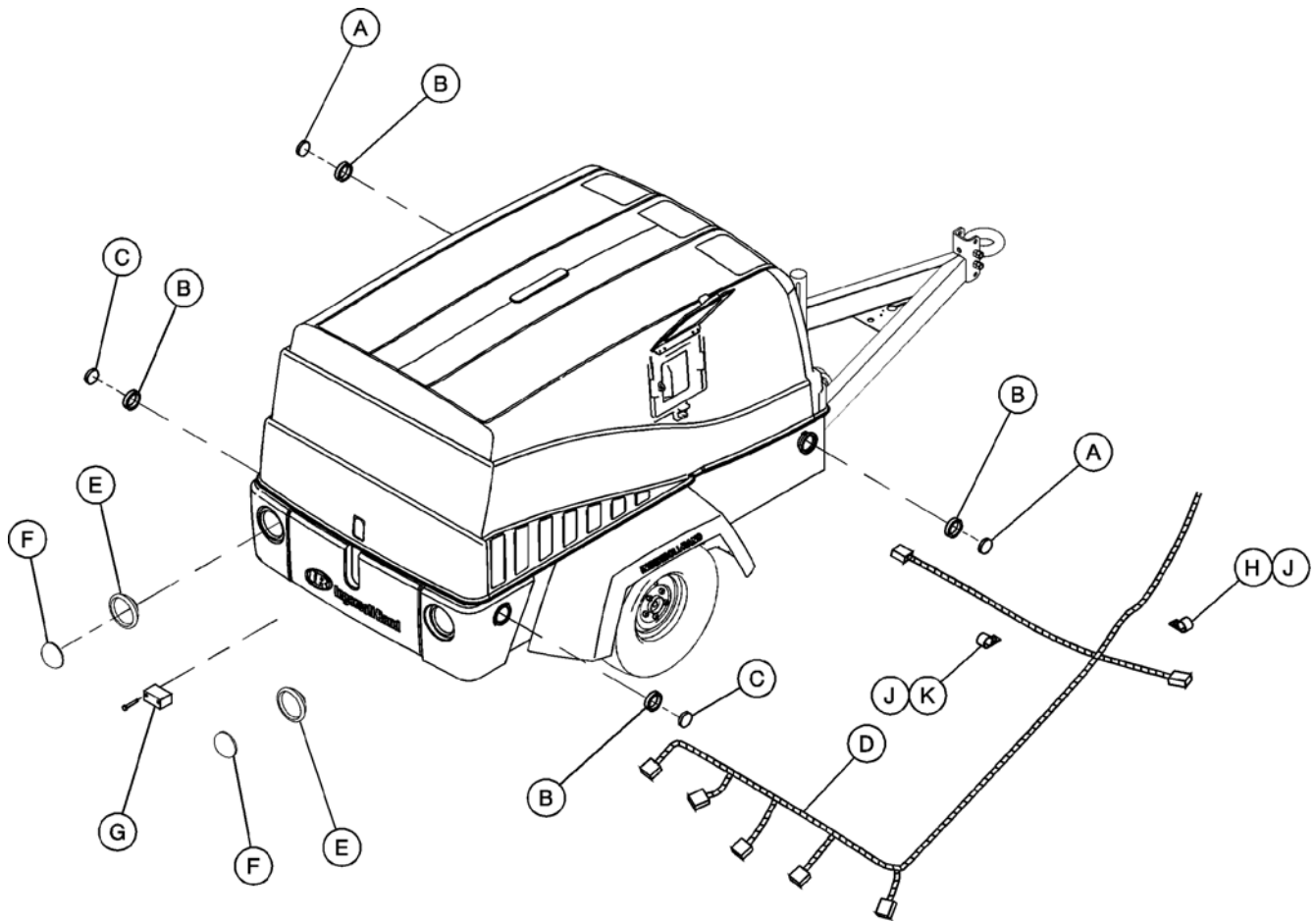
15" TIRE & WHEEL ASSEMBLY



22546980_005_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35277706	WHEEL, 15 X 6JJ	1	
B	35282565	STEM, VALVE	1	
C	22246276	TIRE, ST205/75D15	1	

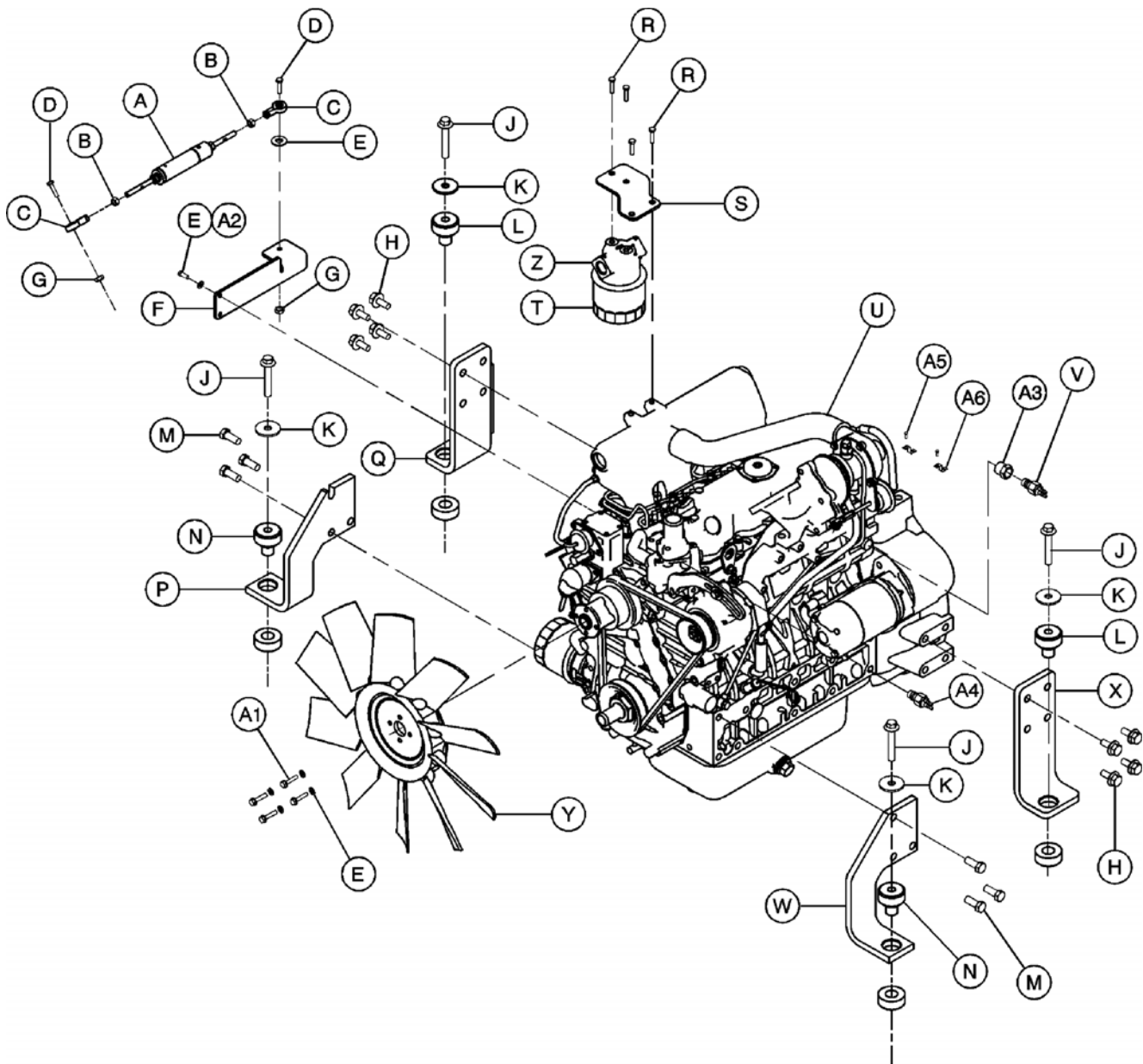
TAIL LIGHT WIRING



22546980_006_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35367051	LAMP, AMBER CLEARANCE	2	
B	36893634	GROMMET, CLEARANCE LIGHT	4	
C	35367044	LAMP, RED CLEARANCE	2	
D	22515027	HARNESS, 2 LIGHT	1	
E	36787968	GROMMET, TAIL LIGHT	2	
F	36788081	LAMP, COMBO TAIL	2	
G	54726468	LIGHT, LICENSE	1	
H	35253038	CLAMP, SUPPORT 3/8"	6	
J	22538490	SCREW, TAPPING M08-1.25 X 20	10	
K	36853174	CLAMP, SUPPORT 1/4 "	3	

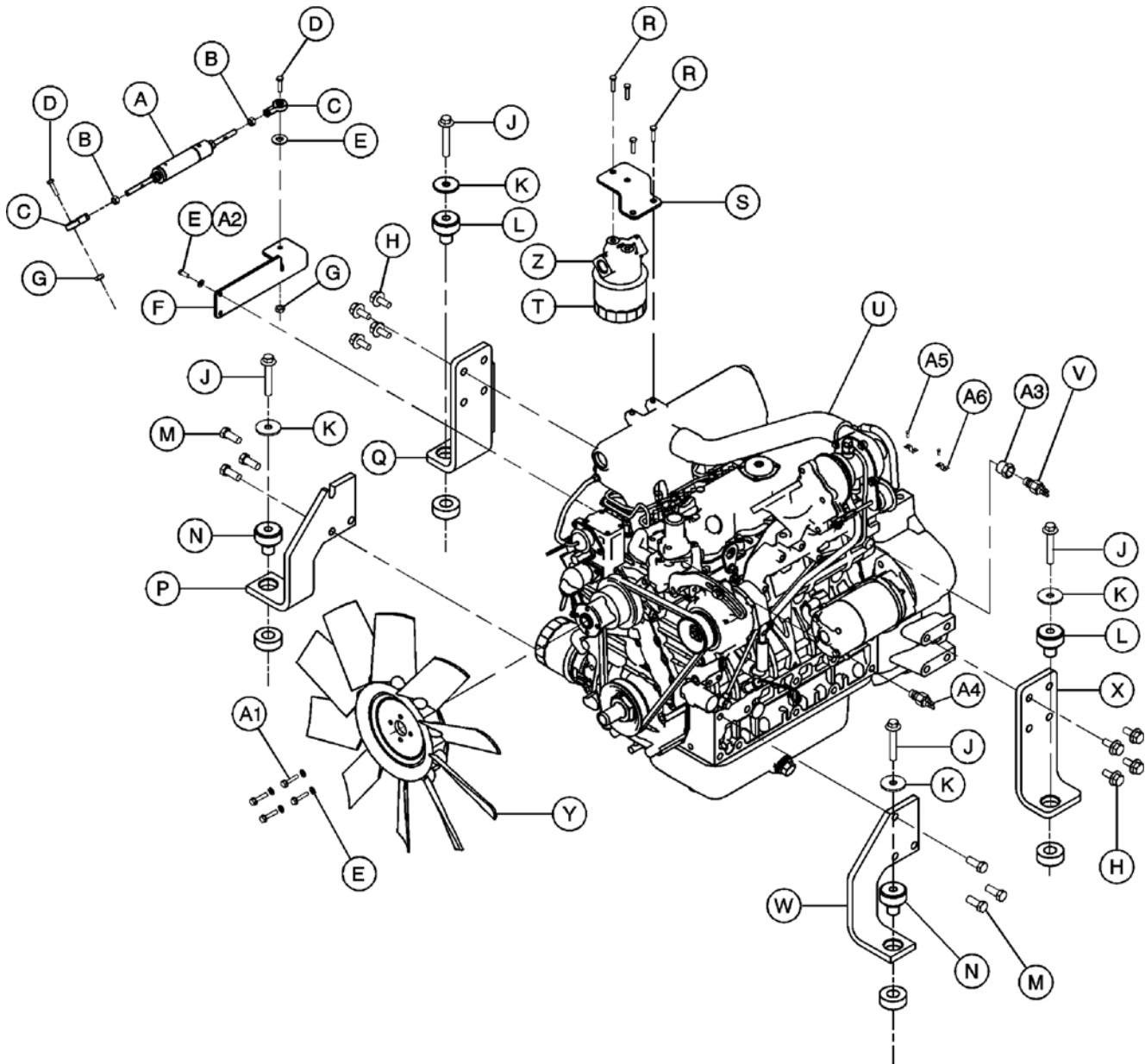
ENGINE MOUNTING



22546980_007_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35592435	CYLINDER, AIR	1	
B	95935086	NUT, HEX JAM 5/16-24	2	
C	35328467	BEARING, RODEND	2	
D	96701461	SCREW, HEX M06-1.0 X 25	2	
E	95935029	WASHER, 1/4" FLAT	7	
F	22452668	BRACKET, SPEED CONTROL	1	
G	36769032	NUT, HEX LOCKING M06-1.0	2	
H	36881712	SCREW, HEX FLANGE 1/2 -13x 1.0"	8	Prior to S/N 353893 Begin w/ S/N 353893
J	96729595	SCREW, HEX M12-1.25 X 30	14	
J	96747225	SCREW, HEX FLANGE M12-1.75 X 70	4	
K	54429295	WASHER, SNUBBING	4	

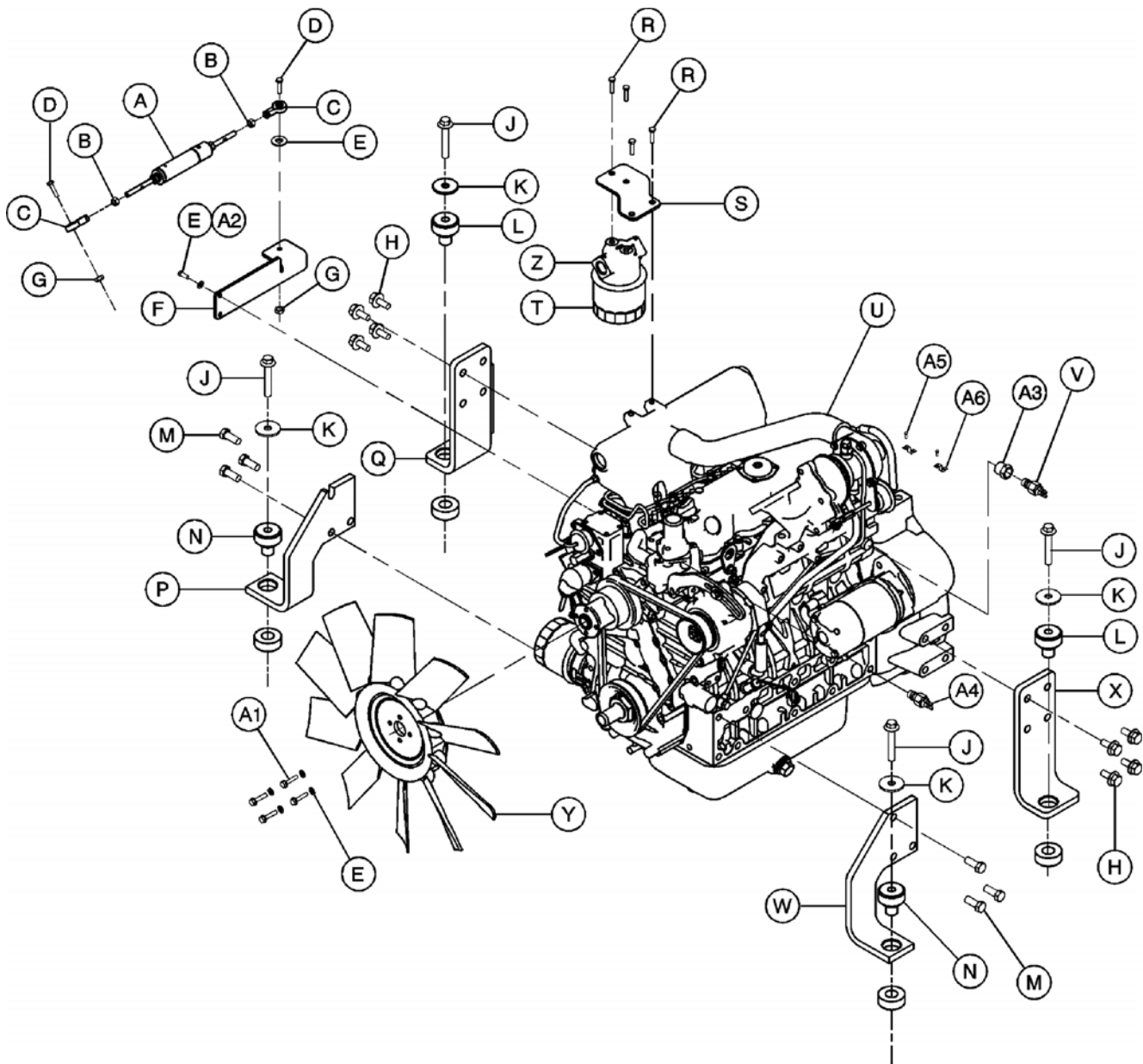
ENGINE MOUNTING



22546980_007_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22429666	ISOLATOR	2	
M	96729595	SCREW, HEX M12-1.25 X 30	6	
N	22429641	ISOLATOR	2	
P	22414940	BRACKET, ENG FRT MOUNT CRBSD	1	
Q	22377105	BRACKET, ENG REAR MOUNT CRBSD	1	
R	96728571	SCREW, HEX FLANGED LOCK M6-1.0 X 25	4	
S	22500193	BRACKET, OIL FILTER	1	
T	22496905	ELEMENT, 4IRX3 N&T OIL FILTER	1	
U	22449573	ENGINE, 4IRX3T	1	
V	36878379	SWITCH, PRESSURE 12PSI	1	
W	22414932	BRACKET, ENG FRT MOUNT STSD	1	

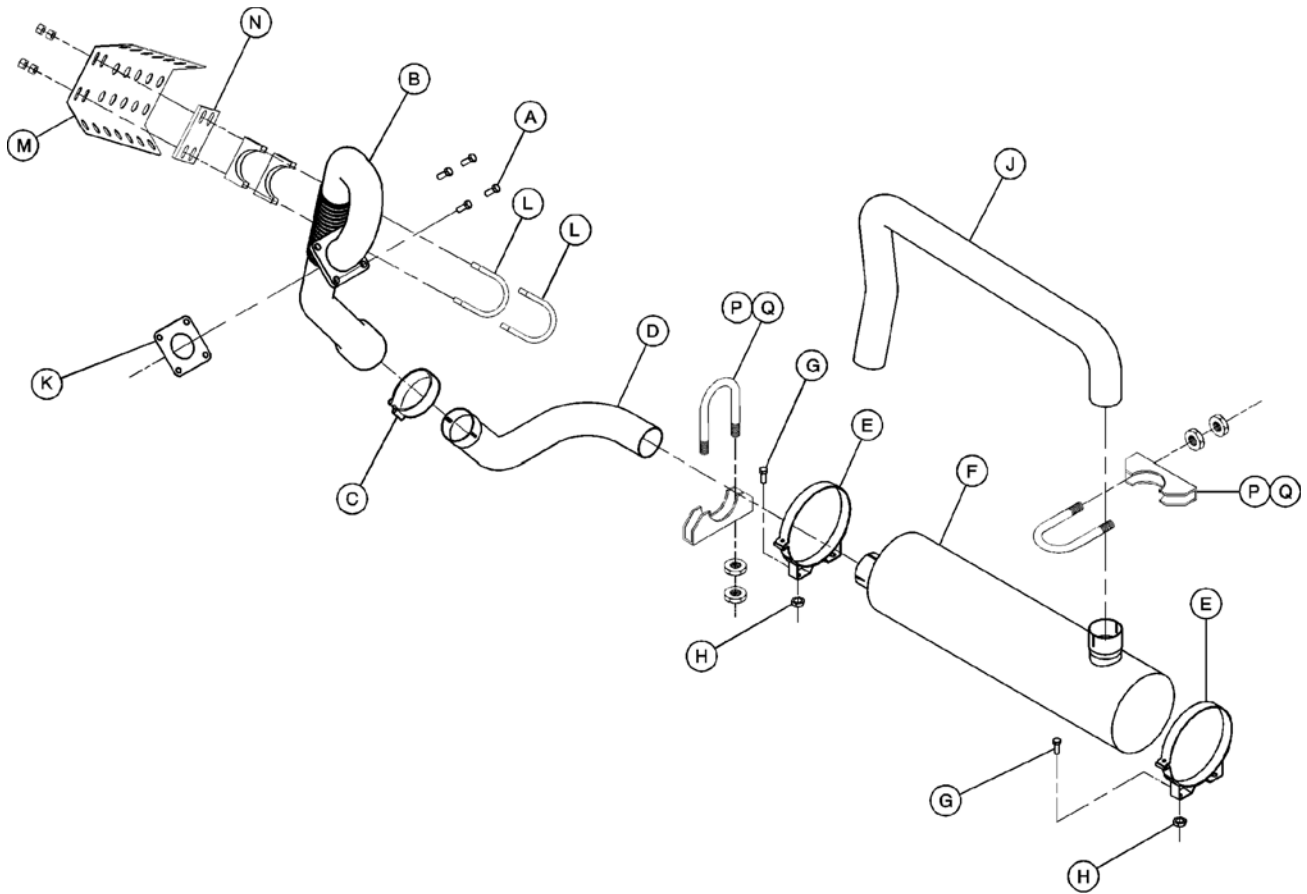
ENGINE MOUNTING



22546980_007_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
X	22376719	BRACKET, ENG REAR MOUNT STSD	1	
Y	22495857	FAN	1	
Z	22568406	COVER, OIL FILTER	1	
A1	96706817	SCREW, HEX M06-1.0 X 60	4	
A2	36769024	SCREW, HEX M06-1.0 X 20	2	
A3	96746334	ADAPTER, 1/8BSPT X 1/8NPT	1	Prior to S/N 353893
A4	36868479	SWITCH, WATER TEMPERATURE	1	
A5	96749627	SCREW, HEX M12-1.25 X 16	1	
	36881712	SCREW, HEX FLANGE 1/2-13 X 1.0"	2	Begin w/ S/N 353893
A6	22474449	BRACKET, WIRE HARNESS	4	
A7	96702824	SCREW, HEX M08-1.25 X 20	1	Brkt @ Alternator

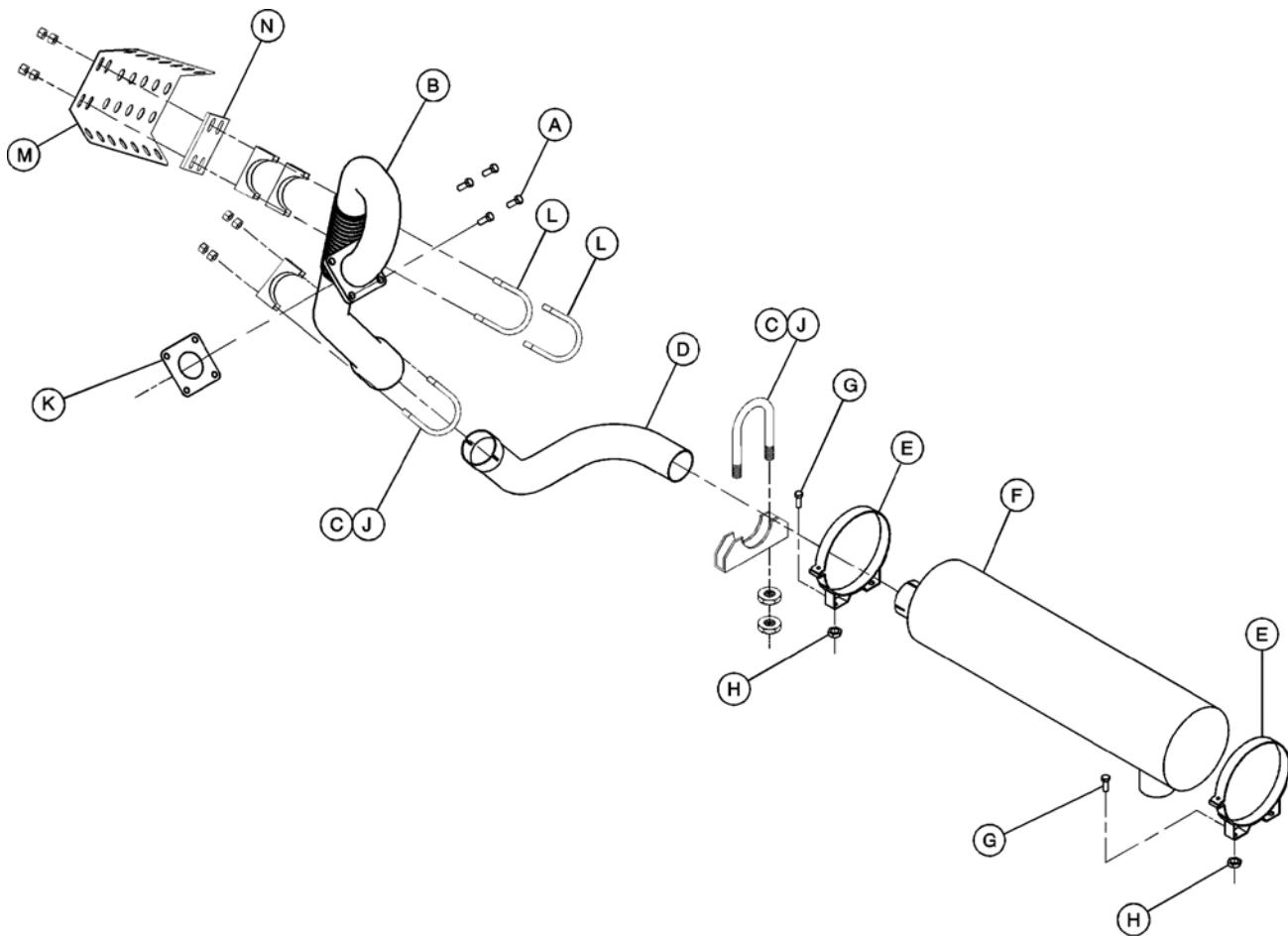
ENGINE EXHAUST PRIOR to S/N 361319



22546980_008a_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702055	SCREW, HEX M08-1.25 X 20	4	Prior to S/N 352698 Add to Item P
B	22433783	TUBE, EXHAUST	1	
C	35296060	CLAMP, EXHAUST SEAL 2.5"	3	
D	22378467	TUBE, EXHAUST	1	
E	35585009	BAND, AIR CLR MTG	2	
F	22584015	MUFFLER	1	
G	36889608	SCREW, HEX FLG M8-1.25 X 25	4	
H	36881886	NUT, HEX FLANGE M8-1.25	4	
J	22500540	TUBE, TAILPIPE	1	
K	22568422	GASKET, EXHAUST PIPE	1	
L	35192178	CLAMP, SADDLE	2	Begin w/ S/N 352698 Begin w/ S/N 352698
M	22539423	SHIELD, HEAT	1	
N	22601074	PLATE, SHIELD	1	
P	35209048	CLAMP, SADDLE 2.50	3	
Q	95929782	NUT, HEX 5/16-18	12	

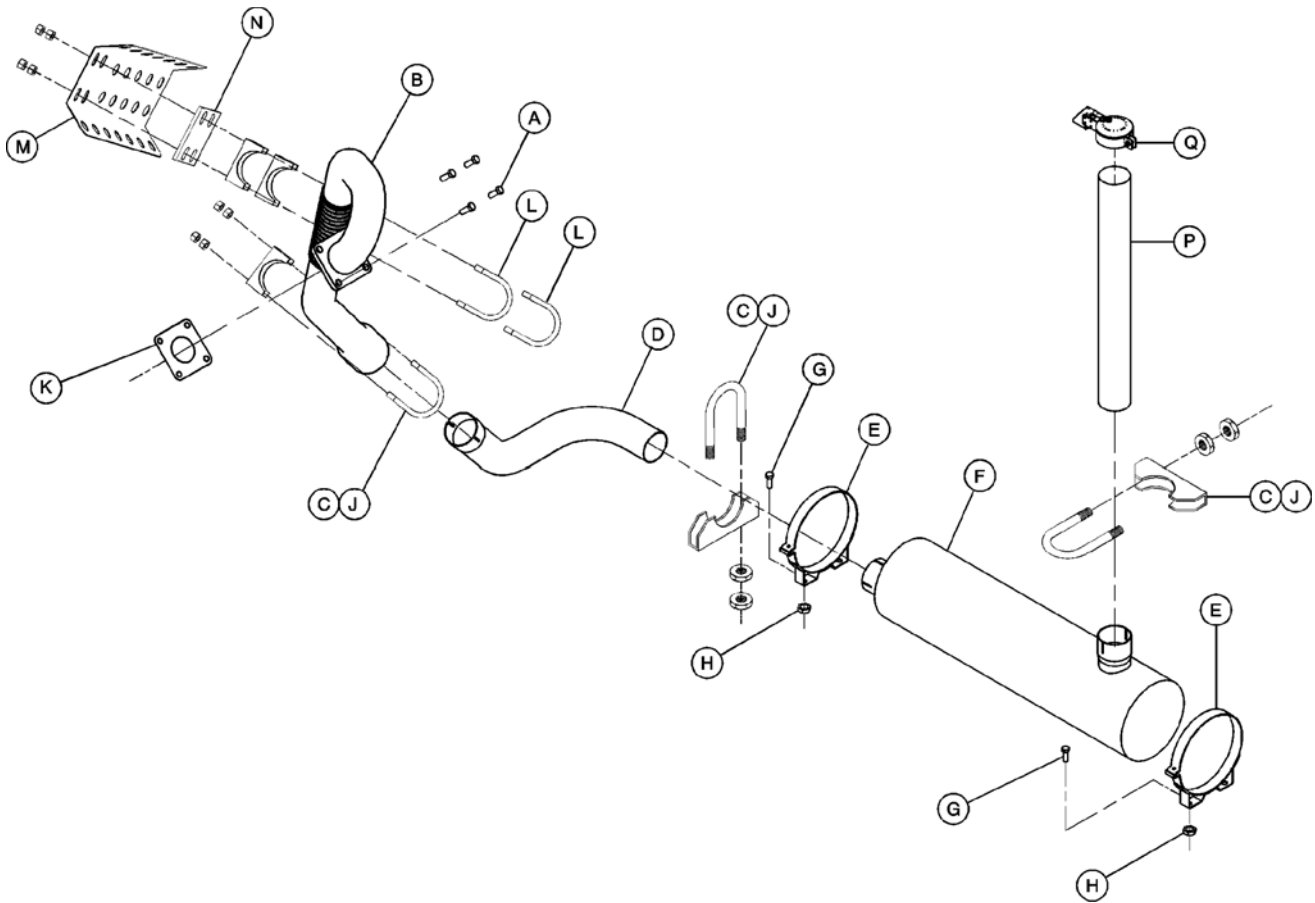
ENGINE EXHAUST BETWEEN S/N 361319 and 353893



22546980_008b_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702055	SCREW, HEX M08-1.25 X 20	4	
B	22433783	TUBE, EXHAUST	1	
C	35209048	CLAMP, SADDLE 2.50"	2	
D	22378467	TUBE, EXHAUST	1	
E	35585009	BAND, AIR CLR MTG	2	
F	22584015	MUFFLER	1	
G	36889608	SCREW, HEX FLANGE M8-1.25 X 25	4	
H	36881886	NUT, HEX FLANGE M8-1.25	4	
J	95929782	NUT, HEX 5/16-18	8	
K	22568422	GASKET, EXHAUST PIPE	1	
L	35192178	CLAMP, SADDLE	2	
M	22539423	SHIELD, HEAT	1	
N	22601074	PLATE, SHIELD	1	

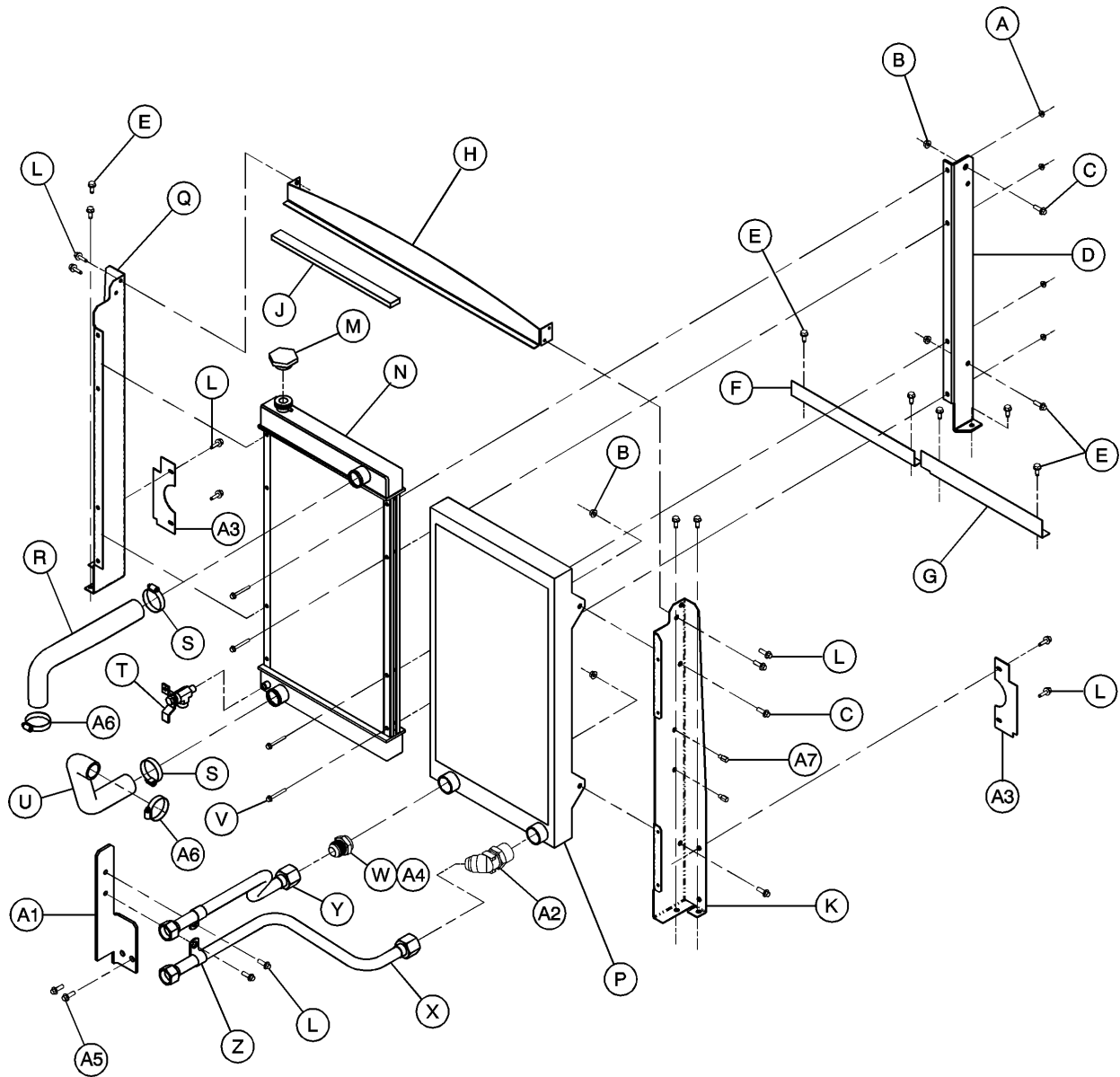
ENGINE EXHAUST BEGIN with S/N 353893



22546980_008c_10/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702055	SCREW, HEX M08-1.25 X 20	4	
B	22433783	TUBE, EXHAUST	1	
C	35209048	CLAMP, SADDLE 2.50	3	
D	22378467	TUBE, EXHAUST	1	
E	35585009	BAND, AIR CLR MTG	2	
F	22584015	MUFFLER	1	
G	36889608	SCREW, HEX FLANGE M8-1.25 X 25	4	
H	36881886	NUT, HEX FLANGE M8-1.25	4	
J	95929782	NUT, HEX 5/16-18	12	
K	22568422	GASKET, EXHAUST PIPE	1	
L	35192178	CLAMP, SADDLE	2	
M	22539423	SHIELD, HEAT	1	
N	22601074	PLATE, SHIELD	1	
P	22664858	TUBE, TAILPIPE	1	Prior to S/N 362372
	22700132	TUBE, TAILPIPE	1	Begin w/ S/N 362372
Q	35316215	CAP, RAIN	1	Begin w/ S/N 362372

COOLING COMPLETE Prior to S/N 373196

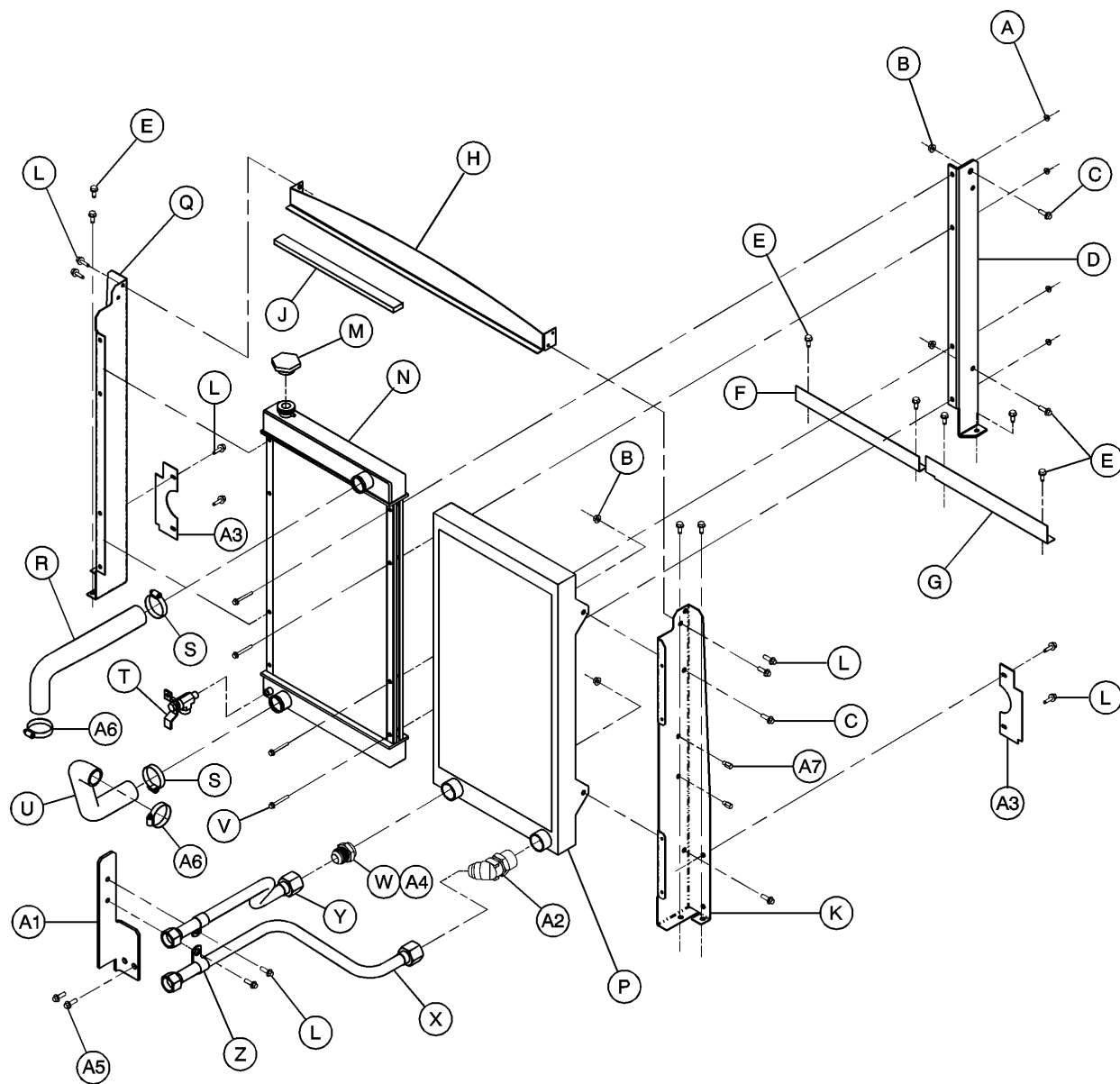


PRIOR TO S/N 373196

22546980_009a_06/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36898104	NUT, HEX FLANGE M06-1.0	4	
B	36881886	NUT, HEX FLANGE M8-1.25	4	
C	36889608	SCREW, HEX FLANGE M8-1.25 X 25	4	
D	22489660	SUPPORT, RADIATOR	1	
E	35279025	SCREW, TAPPING M08-1.25 X20	6	
F	22487615	BAFFLE, RADIATOR BOTTOM	1	
G	22487607	BAFFLE, COOLER BOTTOM	1	
H	22489355	BAFFLE, TOP	1	
J	54627617	GUARD, DOOR EDGE	16.5"	
K	22488837	BAFFLE, CURB SIDE	1	

COOLING COMPLETE Prior to S/N 373196

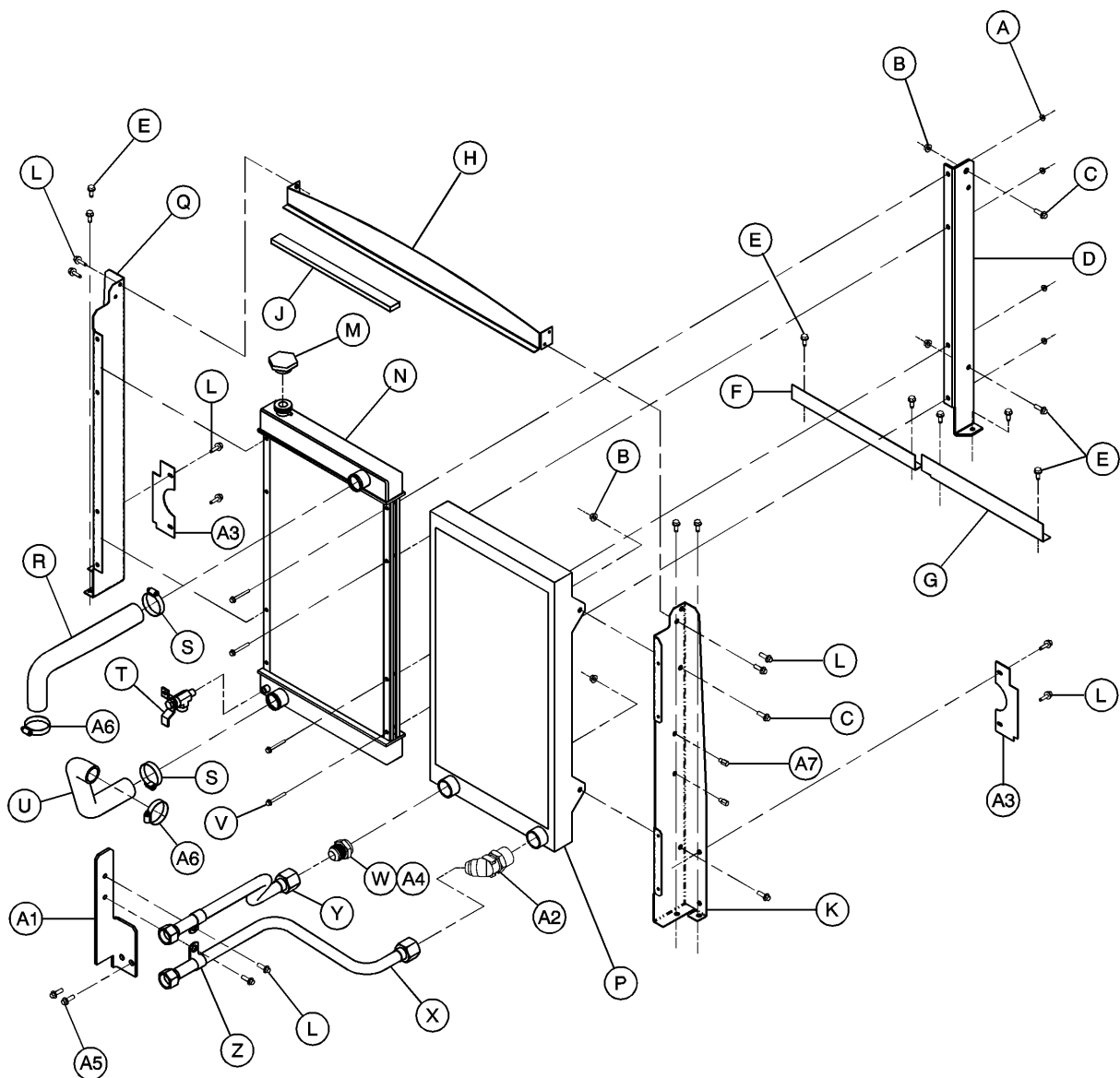


PRIOR TO S/N 373196

22546980_009a_06/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	36797652	SCREW, TAPPING M06-1.0 X 12	8	
M	36769560	CAP, RADIATOR	1	
N	22482277	RADIATOR	1	
P	36882934	COOLER, OIL	1	
Q	22488845	BAFFLE, STREET SIDE	1	
R	22494660	HOSE, RADIATOR TOP	1	
S	35221662	CLAMP, WORM GEAR	4	
T	36782167	DRAIN, COCK	1	
U	22494678	HOSE, RADIATOR BOTTOM	1	
V	96727623	SCREW, HEX FLANGE M6-1.0 X 50	4	

COOLING COMPLETE Prior to S/N 373196

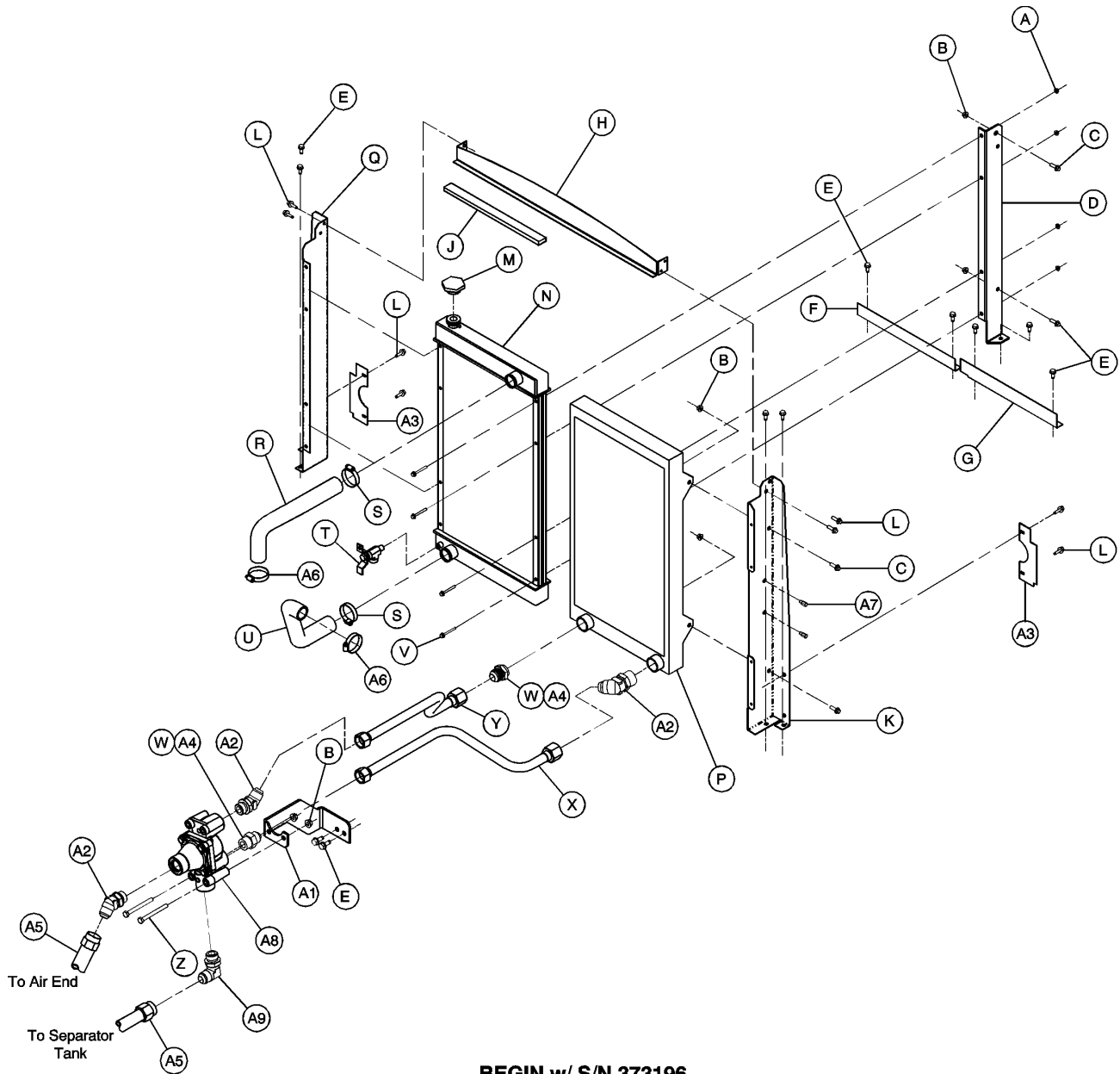


PRIOR TO S/N 373196

22546980_009a_06/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
W	35295880	CONNECTOR, 1-1/16SAE X -12JIC	1	Included w/ Part W
X	35376110	HOSE, -12JIC X 54"	1	
Y	35289503	HOSE ASSY, -12JIC X 47"	1	
Z	35291285	CLAMP, 0.84 RUBBER COATED SUPPORT	2	
A1	22358782	SUPPORT, TUBE	1	
A2	35294727	ELBOW, 45° 1.06-16 X 3/8 TUBE	1	
A3	22550321	BAFFLE, RADIATOR	2	
A4	35294768	O-RING	~	
A5	96738802	SCREW, TAPPING M08-1.25 X 20	2	
A6	35221639	CLAMP, HOSE	2	
A7	36921344	NUTSERT, HEX M06-1.0	2	

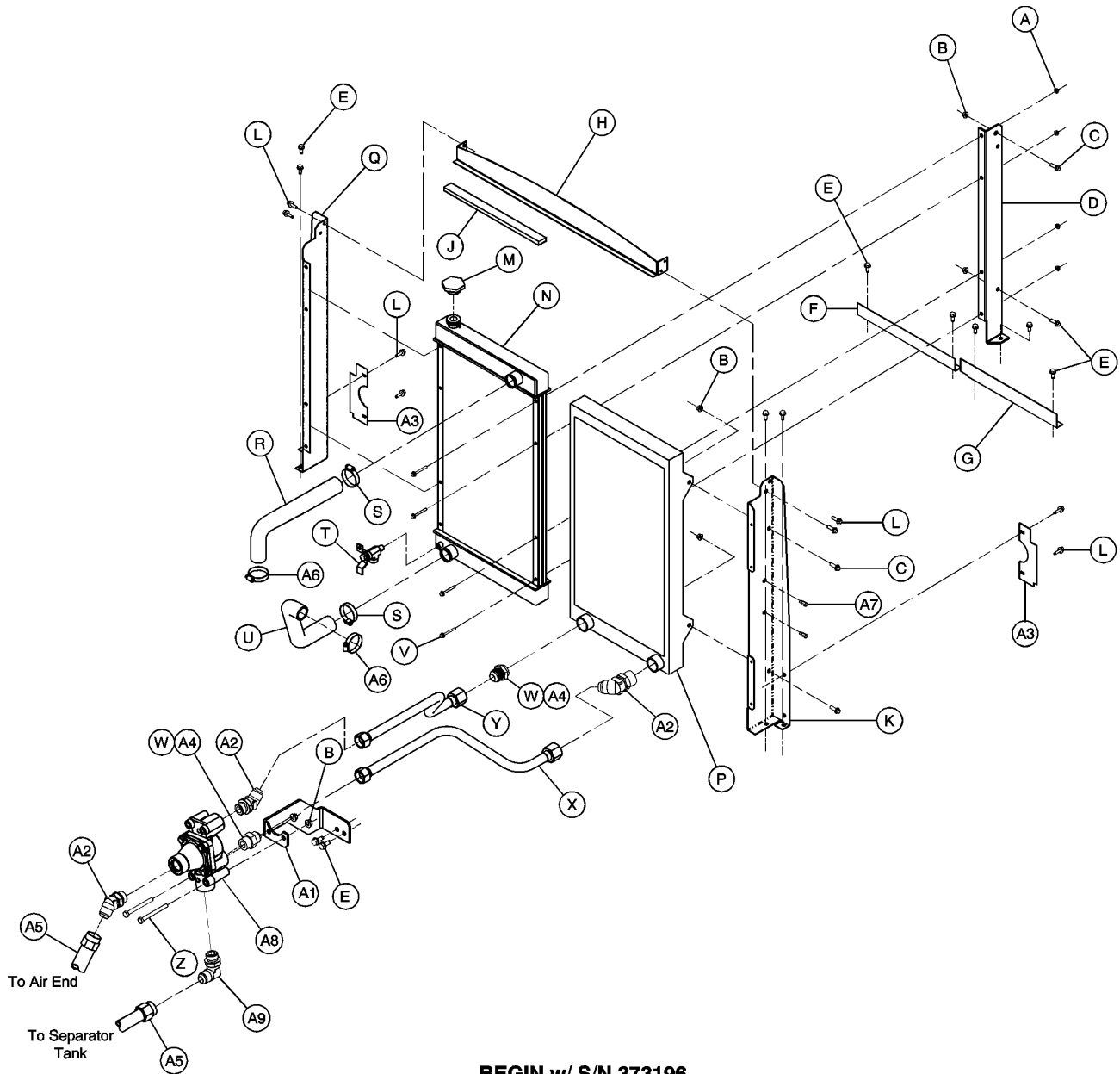
COOLING COMPLETE Begin w/ S/N 373196



BEGIN w/ S/N 373196
22546980_009b_06/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36898104	NUT, HEX FLANGE M06-1.0	8	
B	36881886	NUT, HEX FLANGE M8-1.25	6	
C	36889608	SCREW, HEX FLANGE M8-1.25 X 25	4	
D	22489660	SUPPORT, RADIATOR	1	
E	35279025	SCREW, TAPPING M08-1.25 X20	8	
F	22487615	BAFFLE, RADIATOR BOTTOM	1	
G	22487607	BAFFLE, COOLER BOTTOM	1	
H	22489355	BAFFLE, TOP	1	
J	54627617	GUARD, DOOR EDGE	16.5"	
K	22488837	BAFFLE, CURB SIDE	1	
L	36797652	SCREW, TAPPING M06-1.0 X 12	10	

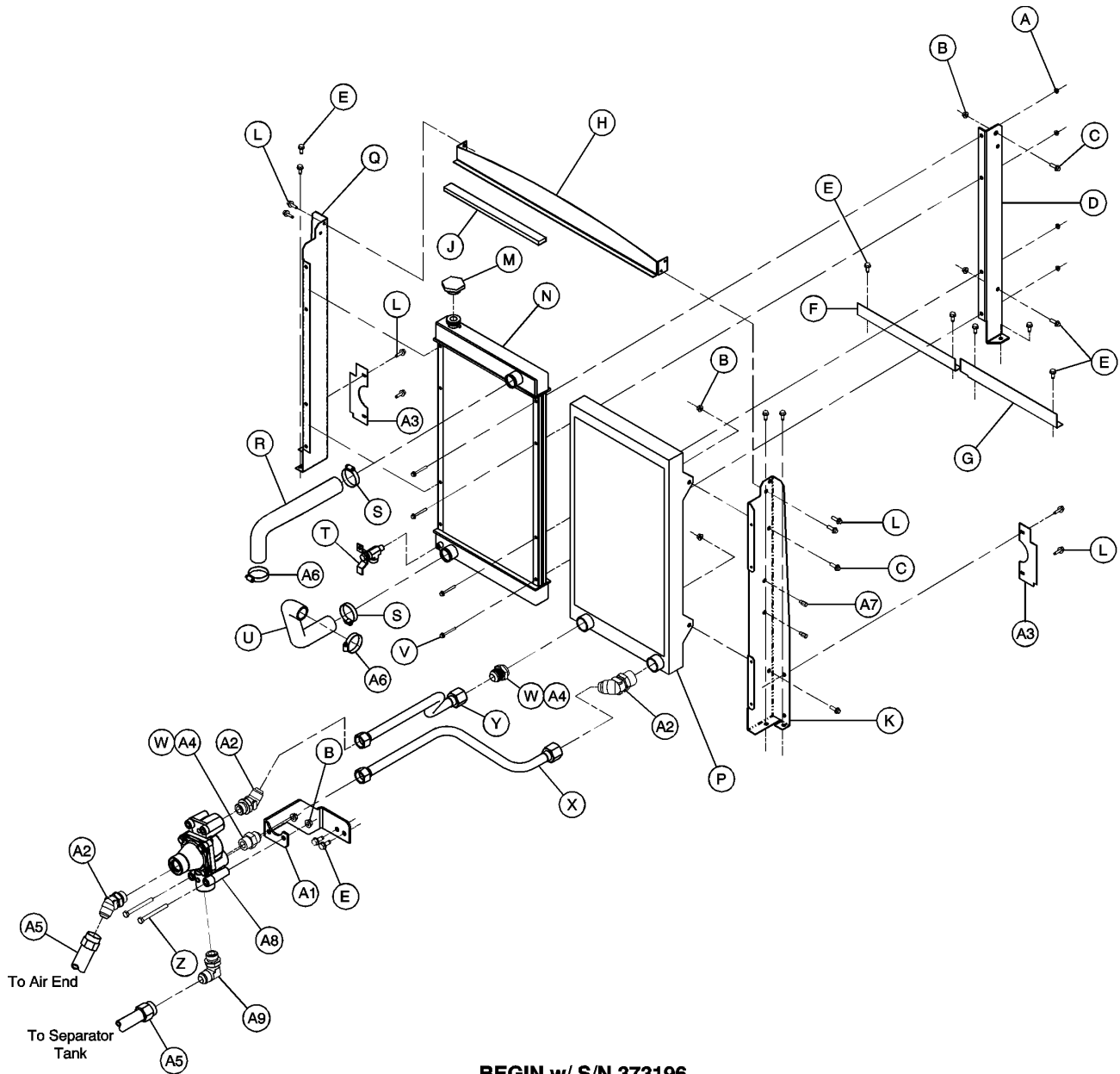
COOLING COMPLETE Begin w/ S/N 373196



BEGIN w/ S/N 373196
22546980_009b_06/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	36769560	CAP, RADIATOR	1	
N	22482277	RADIATOR	1	
P	36882934	COOLER, OIL	1	
Q	22488845	BAFFLE, STREET SIDE	1	
R	22494660	HOSE, RADIATOR TOP	1	
S	35221662	CLAMP, WORM GEAR	2	
T	36782167	DRAIN, COCK	1	
U	22494678	HOSE, RADIATOR BOTTOM	1	
V	96727623	SCREW, HEX FLANGE M6-1.0 X 50	4	
W	35295880	CONNECTOR, 1-1/16SAE X -12JIC	2	
X	22180889	HOSE, -12JIC X 22"	1	

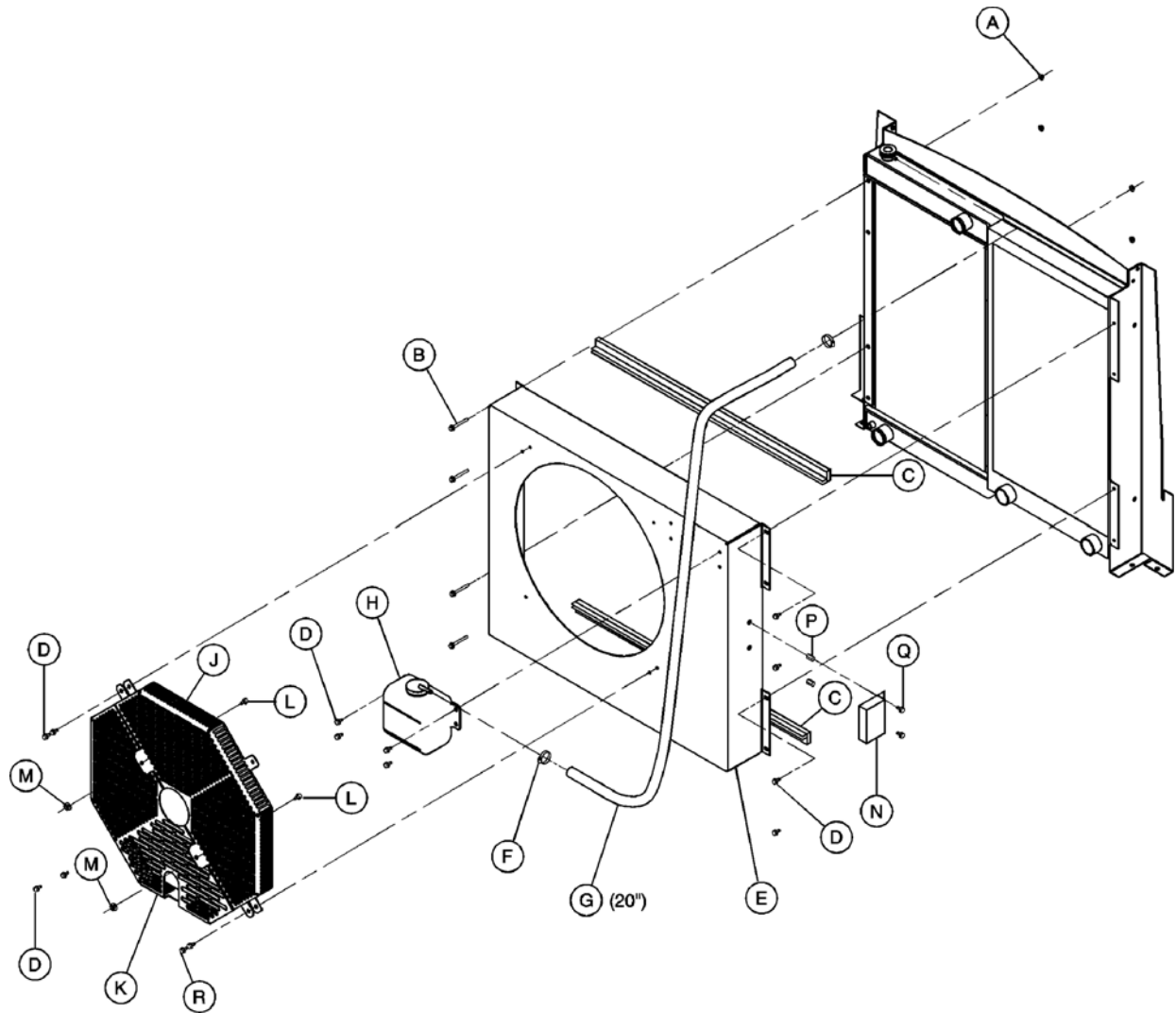
COOLING COMPLETE Begin w/ S/N 373196



BEGIN w/ S/N 373196
22546980_009b_06/06_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Y	35330844	HOSE ASSY, -12JIC X 19"	1	Included w/ Part W
Z	96718978	SCREW, HEX M08-1.25 X 80	2	
A1	22888671	BRACKET, OTBV	1	
A2	35294727	ELBOW, 45° 1.06 SAE X -12 JIC	3	
A3	22550321	BAFFLE, RADIATOR	2	
A4	35294768	O-RING	~	
A5	35323864	HOSE ASSY. -12 JIC X 34"	2	
A6	35221639	CLAMP, HOSE	2	
A7	36921344	NUTSERT, HEX M06-1.0	2	
A8	22810139	VALVE ASSEMBLY, OIL TEMP BYPASS	1	
A9	35294750	ELBOW, 90° 1.06 SAE X -12 JIC	1	

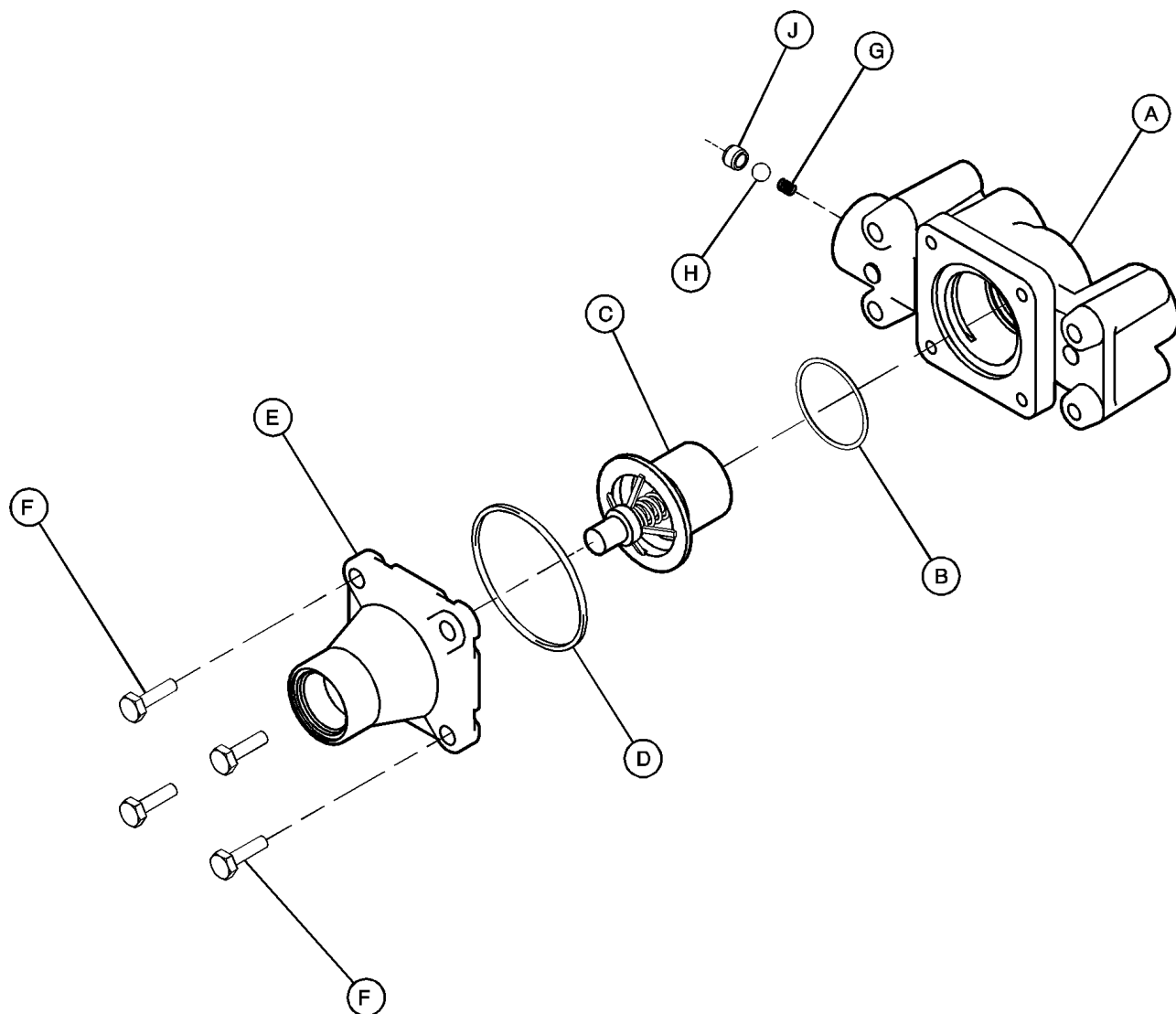
FAN GUARD & SHROUD



22546980_010_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36898104	NUT, HEX FLANGE M06-1.0	4	2 PIECES
B	96727623	SCREW, HEX FLANGE M6-1.0 X 50	4	
C	54627617	GUARD, DOOR EDGE	31.5"	
D	36797652	SCREW, TAPPING M06-1.0 X 12	16	
E	22494769	SHROUD, FAN	1	
F	35296342	CLAMP, WORM GEAR	2	
G	35360775	TUBING, 5/16"	20"	
H	36884948	BOTTLE, COOLANT RECOVERY	1	
J	22460992	GUARD, UPPER FAN	1	
K	22460984	GUARD, LOWER FAN	1	
L	36898096	SCREW, HEX FLANGE M06-1.0 X 20	2	
M	36898104	NUT, HEX FLANGE M06-1.0	2	
N	22580021	CONTROLLER, AIRSOURCE	1	
P	22538516	SCREW, TAPPING M06-1.0 X 12	2	
Q	36921344	NUTSERT, HEX M6 X 1.0	2	
R	35279025	SCREW, TAPPING M08-1.25 X20	3	

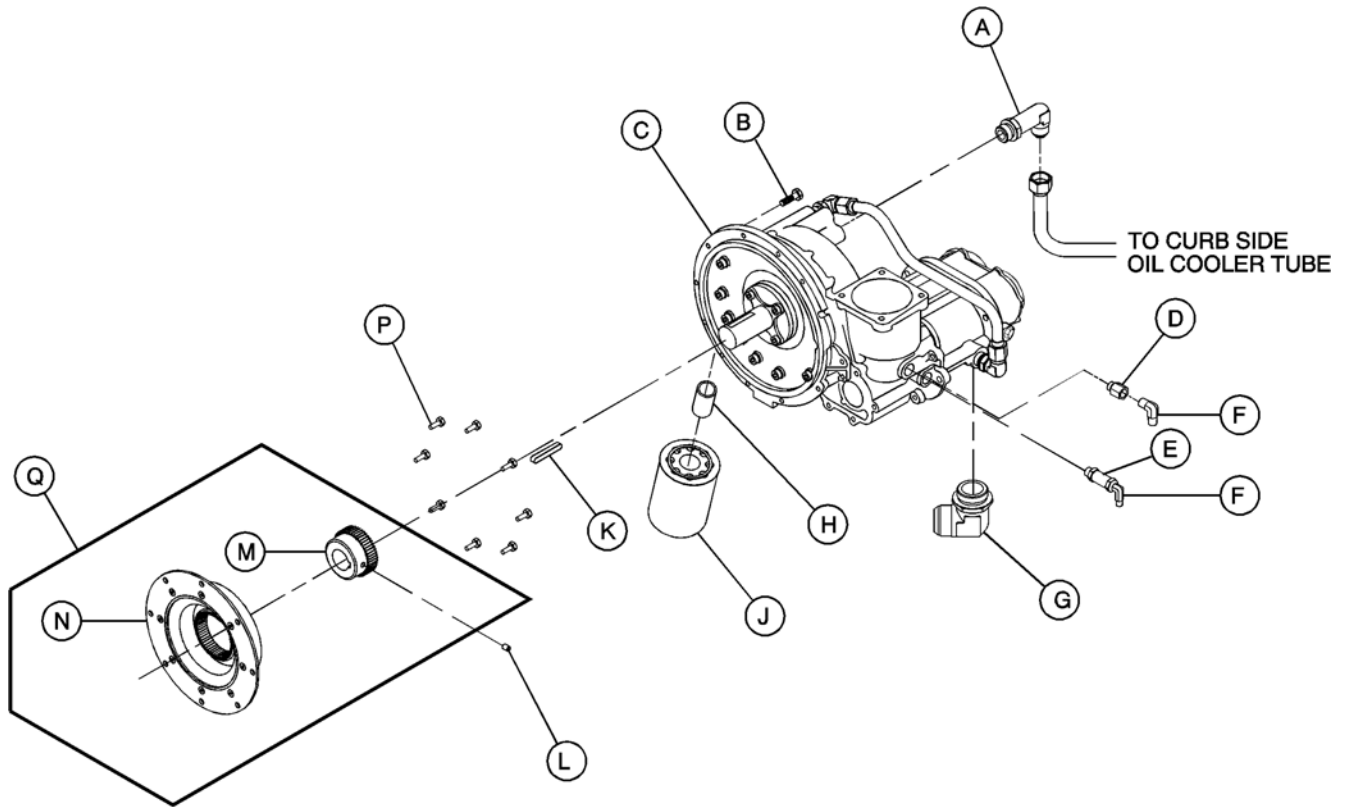
OIL TEMPERATURE BYPASS VALVE



22496970_032_06/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54411640	HOUSING, O T B V	1	
B	36788172	SEAL, U-TYPE VITON	1	
C	22195820	ELEMENT, 150° - 170° F	1	
D	95022307	O-RING	1	
E	36765832	COVER	1	
F	96702659	SCREW, HEX M08-1.25 X 25	4	
G	35379940	SPRING	1	
H	35288448	BALL	1	
J	54414677	ORIFICE, OIL	1	

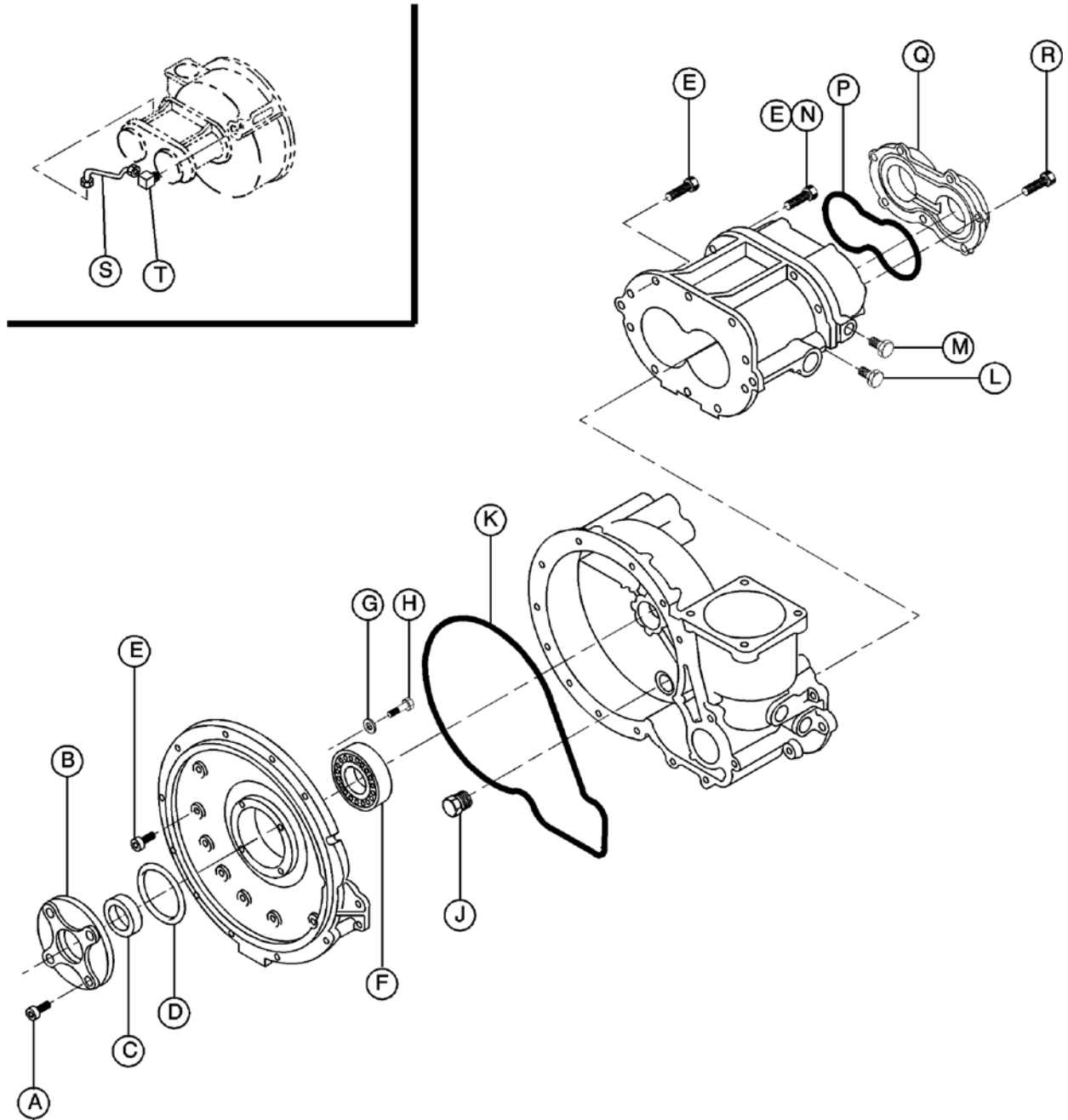
AIREND COMPLETE



22546980_011_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36885093	ELBOW, -12 ORING TO -12JIC LONG	1	
B	36880995	BOLT, HEX FLANGE HEAD M10-1.50 X 30	9	
C	42579417	AIREND ASSEMBLY	1	
D	35302314	ADAPTER	1	
E	36886992	VALVE, CHECK .078 ORIFICE	1	
F	35370386	ELBOW, MALE 1/8NPT X 3/8" TUBE	2	
G	95431292	ELBOW, 90o 1-7/8-12 X -24JIC	1	
H	22437057	NIPPLE, PIPE 1.25-12UNF	1	
J	22436323	ELEMENT, OIL FILTER	1	
K	36769289	KEY, M8 X 10 X 60 DOUBLE RADIUS	1	
L	22404289	SCREW, SET M08-1.25 X 12	1	
M	22374847	HUB, COUPLING	1	
N	22509699	ELEMENT, COUPLING	1	
P	95920401	SCREW, HEX 5/16-18 X .62	8	
Q	22509681	COUPLING ASM., DRIVE	1	

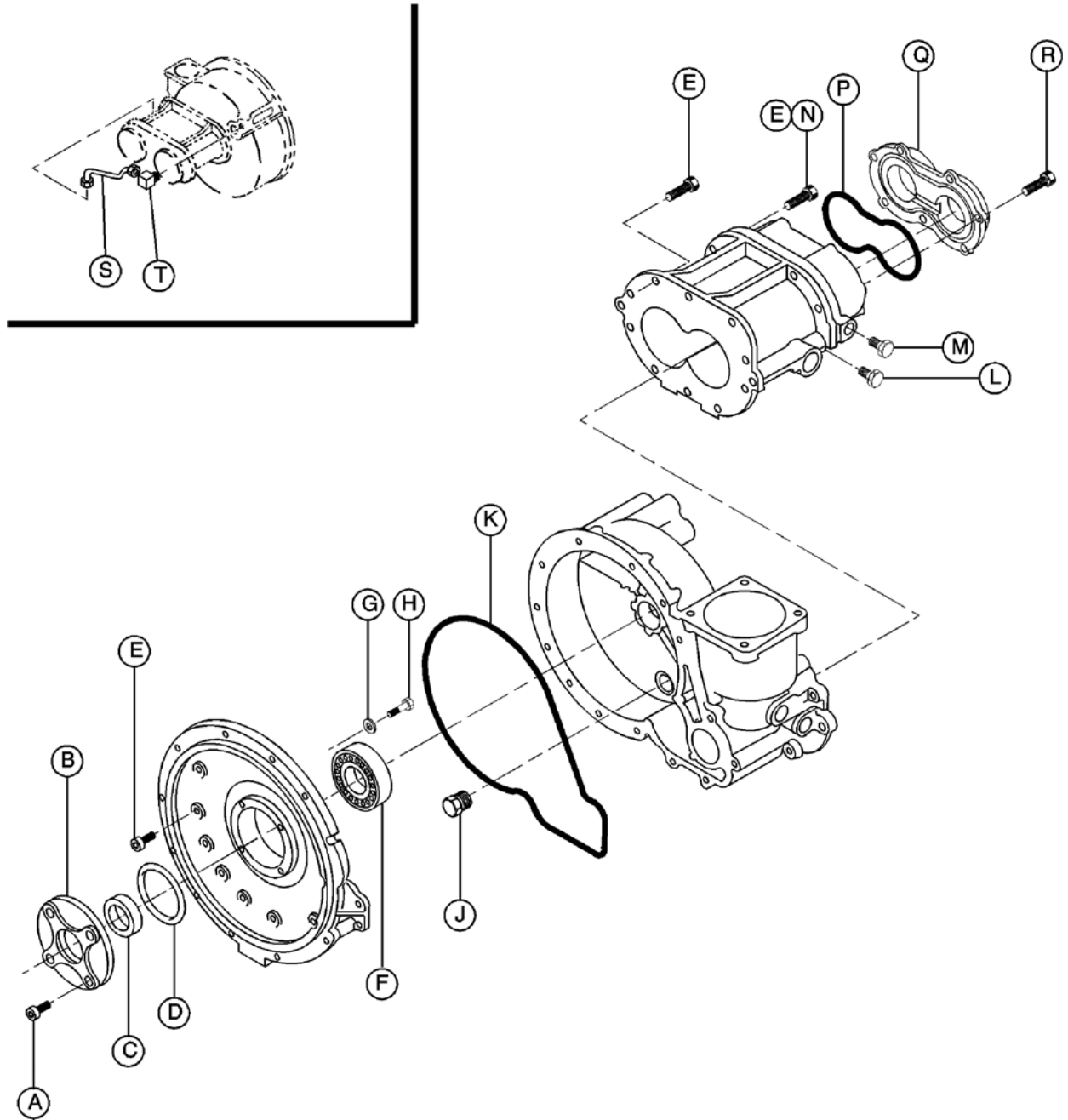
AIREND ASSEMBLY



22546980_012_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96708037	SCREW, SOC HD M08-1.25 X 16	4	
B	39588413	COVER, SEAL	1	
C	35375369	SEAL	1	
D	95022331	O-RING	1	
E	96708060	SCREW, SOC HD M08-1.25 X 25	31	
F	35286004	BEARING, BALL	1	
G	95094306	WASHER, FLAT	2	
H	36791689	SCREW, FLANGE LOCK M08-1.25 X 16	2	
J	39101449	PLUG, SOC HD 3/4	1	

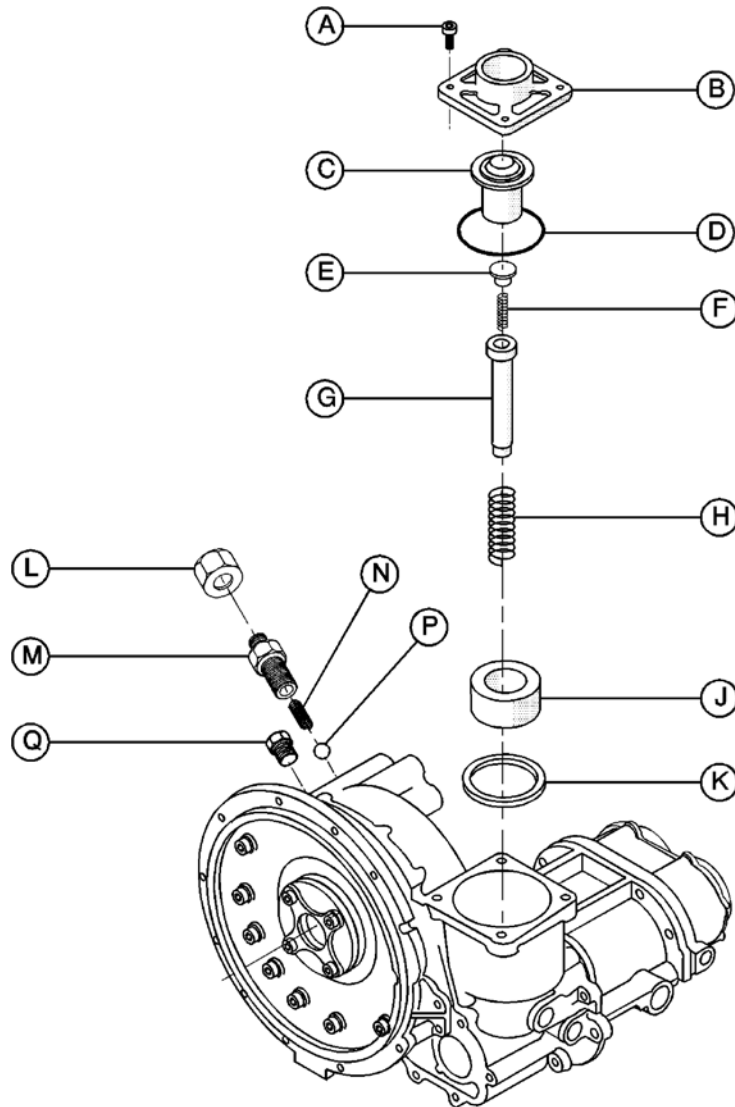
AIREND ASSEMBLY



22546980_012_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	95641734	O-RING	1	
L	95280541	PLUG, HEX 1.06-12	1	
M	95938965	PLUG, HEX 7/16	1	
N	96740375	SCREW, SOC HD M08-1.25 X 45	1	
P	95232115	O-RING	1	
Q	36506442	COVER, BEARING	1	
R	96703012	SCREW, SOC HD M06-1.0 X 20	7	
S	36764553	TUBE ASM., OIL INJECTION	1	
T	35286491	ELBOW	2	

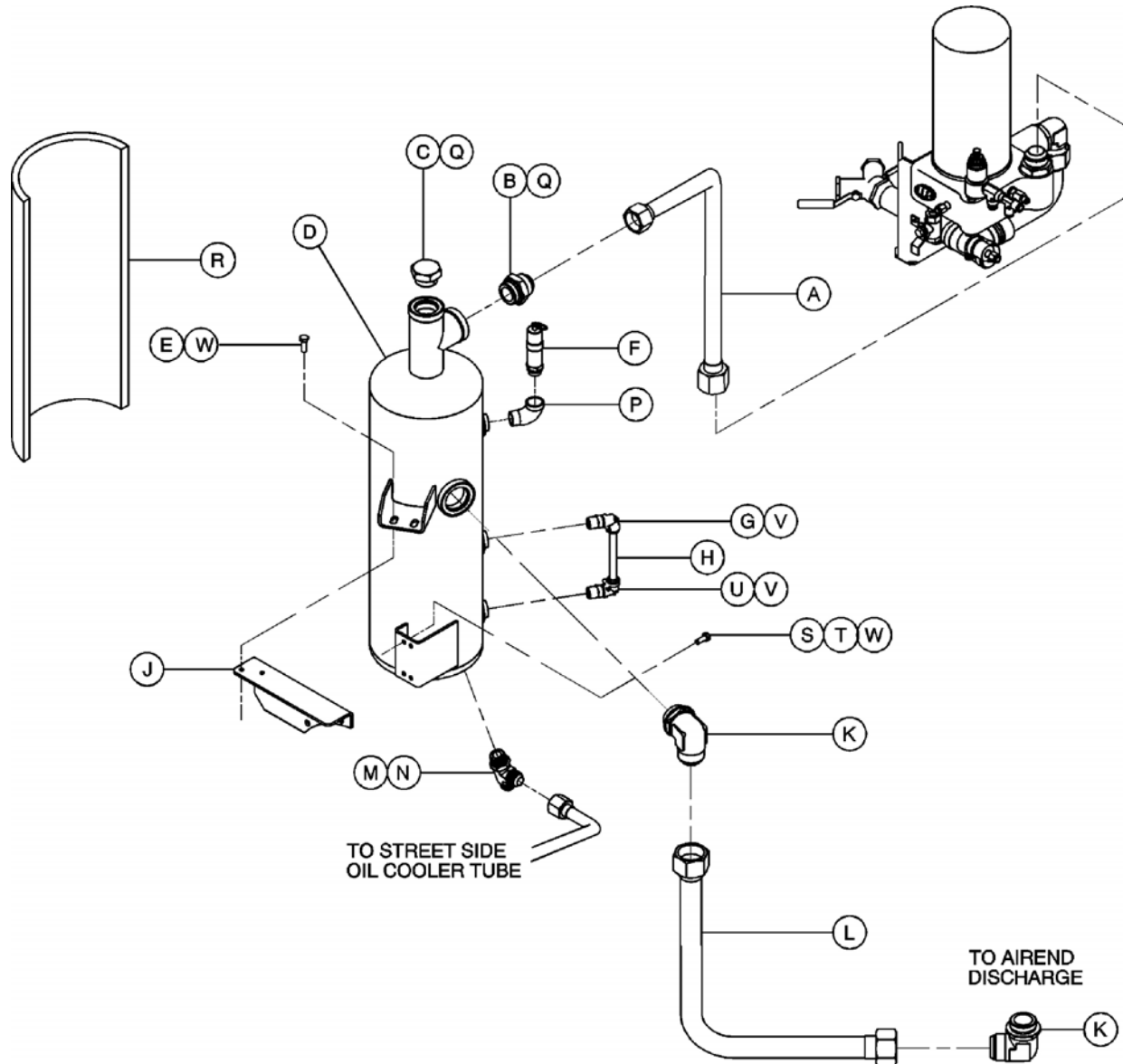
UNLOADER ASSEMBLY



22546980_013_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96708144	SCREW, SOC HD M10-1.50 X 25	4	
B	36508471	COVER, INLET	1	
C	36511623	VALVE, UNLOADER	1	
D	95023107	O-RING	1	
E	35379817	CAP, SPRING	1	
F	35376342	SPRING	1	
G	35611557	STEM	1	
H	35376334	SPRING	1	
J	35611615	PISTON	1	
K	35376359	SEAL	1	
L	95257333	CAP	1	
M	35612175	CONNECTOR	1	
N	35376326	SPRING	1	
P	35376318	BALL	1	
Q	95280541	PLUG, HEX 1.06-12	1	

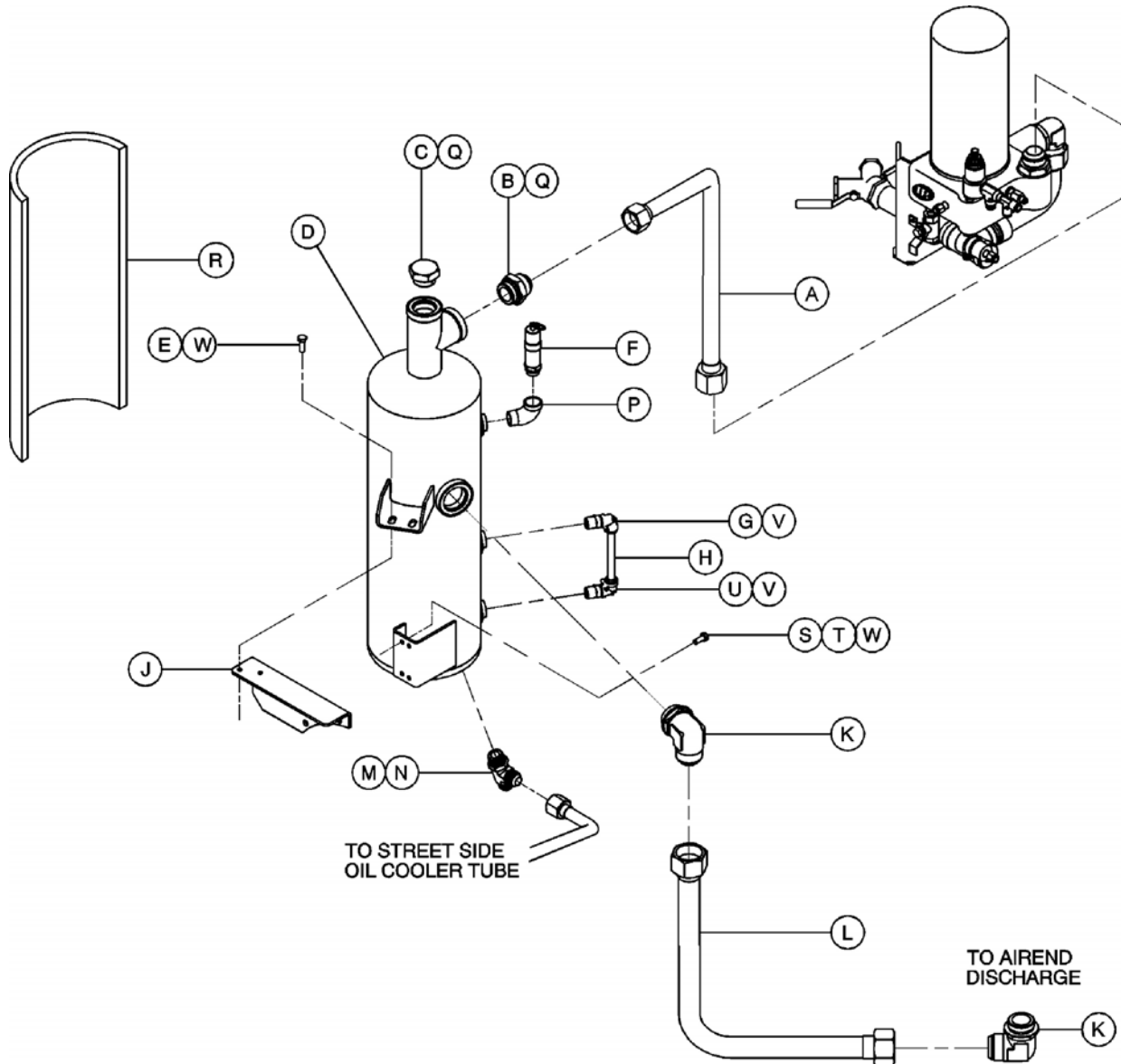
SEPARATOR TANK COMPLETE



22546980_014_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35228170	HOSE, -20JIC X 27.25"	1	Prior to S/N 362823 Begin w/ S/N 362823
B	35279785	CONNECTOR,1-5/8-12 X -20JIC	1	
C	35579630	PLUG, 1-5/8 O-RING	1	
D	22333900	TANK, SEPARATOR	1	
E	35279025	SCREW, TAPPING M08-1.25 X20	2	
F	35325166	VALVE, SAFETY 150 PSI	1	
G	54627799	ELBOW, SIGHT TUBE	2	
	22685481	ELBOW, TOP SIGHT TUBE	1	
H	22248454	TUBE, SIGHT GAGE	1	
	22685515	TUBE, SIGHT GAGE	1	
J	22349823	BRACKET, SEPARATOR TANK MOUNTING	1	
K	95431292	ELBOW, 90o 1-7/8-12 X -24JIC	2	
L	35309236	HOSE, DISCHARGE	1	

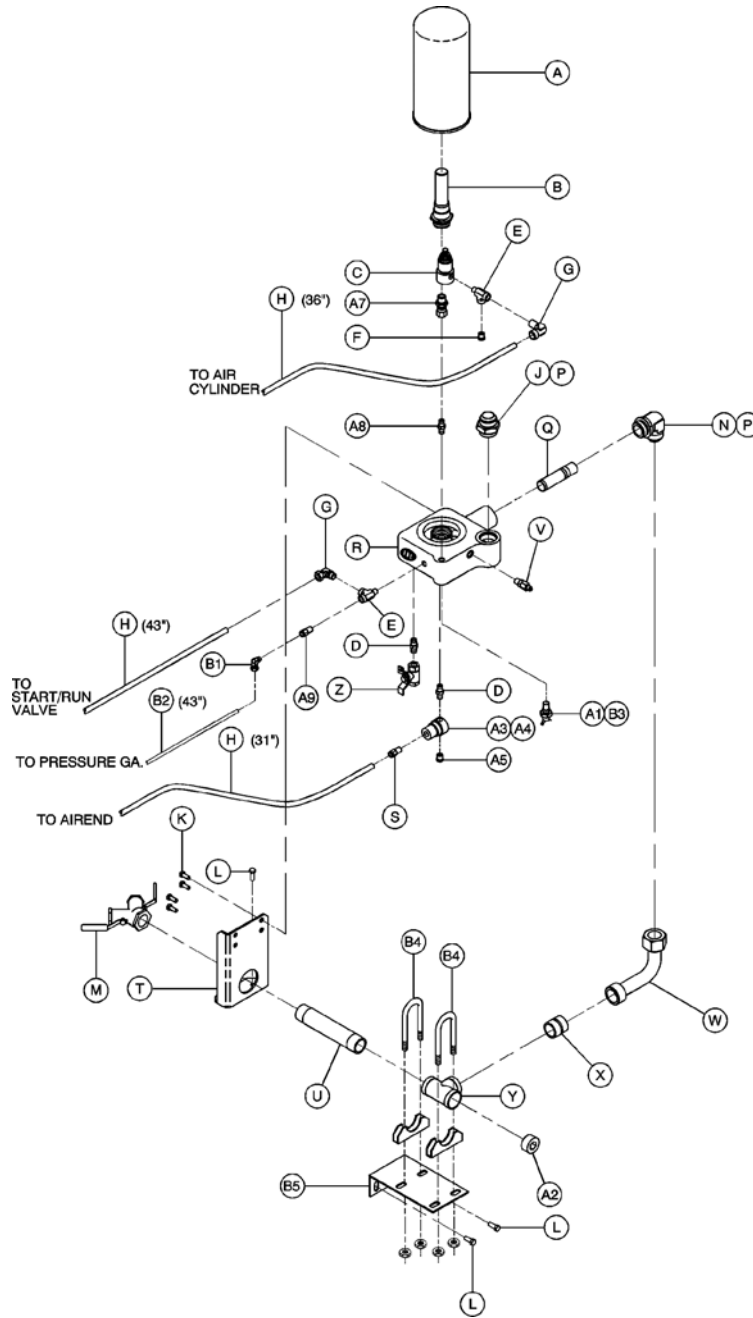
SEPARATOR TANK COMPLETE



22546980_014_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	35332030	TEE, 1-1/16SAE X -12JIC X -12JIC	1	
N	95730172	CAPP, 1 1/16-12	1	Prior to S/N 354915
	35369214	CAP, FITTING -12	1	Begin w/ S/N 354915
P	95928164	ELBOW, STREET 1/2 NPT	1	
Q	35279942	O-RING	~	Included w/ Part
R	36767051	FOAM	1	
S	36889608	SCREW, HEX FALNGE M08-1.25 X 25	2	
T	36881886	NUT, HEX FLANGE M08-1.25	2	
U	22685499	ELBOW, BOTTOM SIGHT TUBE	1	Begin w/ S/N 362823
V	22685507	INSERT, 1/4" TUBE	2	Begin w/ S/N 362823
W	95935037	WASHER, FLAT	2	

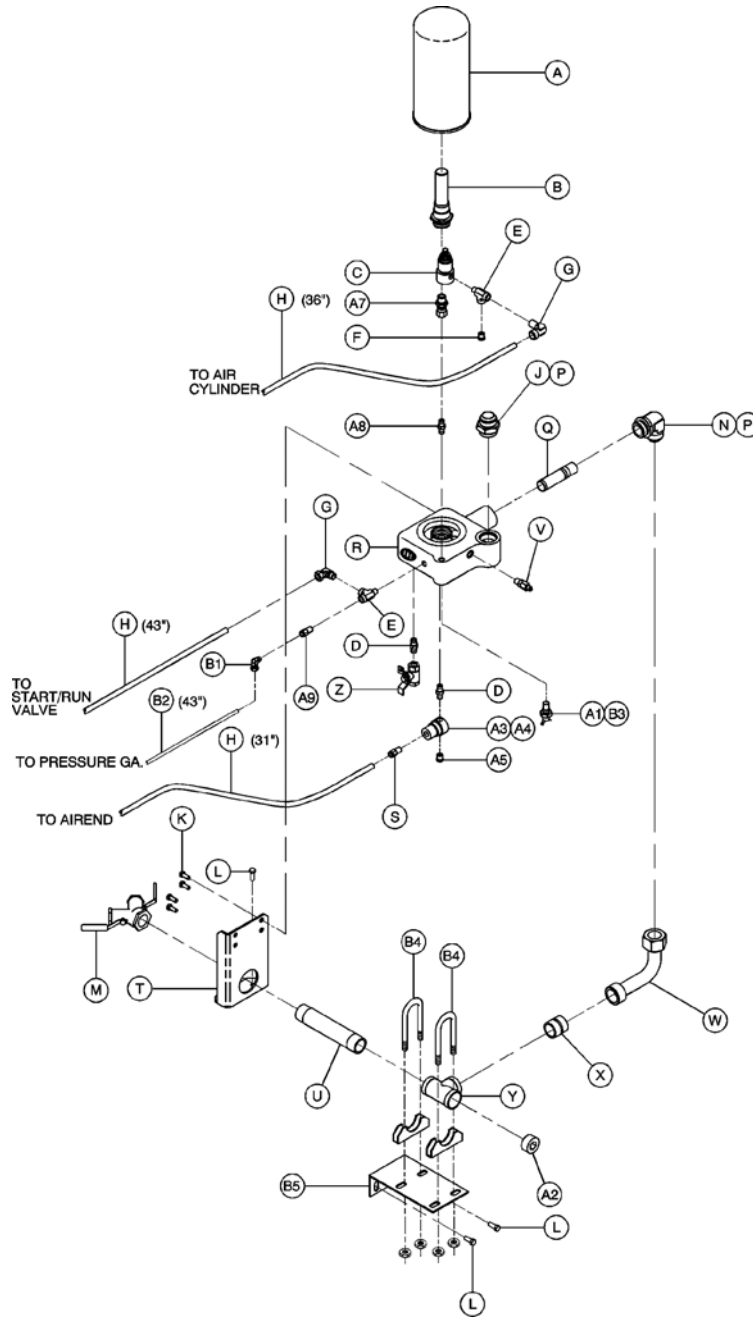
SEPARATOR FILTER COMPLETE



22546980_015_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22436331	ELEMENT, SEPARATOR	1	
B	22510341	NIPPLE, FILTER AIR-OIL	1	Prior to S/N 355212
	22610760	NIPPLE, FILTER AIR-OIL	1	Begin w/ S/N 355212
C	36854149	VALVE, PRESSURE REGULATOR 100PSI	1	
D	36793776	NIPPLE, .25 NPT	2	
E	35114545	TEE, STREET 1/4 NPT	2	
F	36766756	ORIFICE, MUFFLER .140	1	
G	35369354	ELBOW, 1/4NPT X 3/8" TUBE	2	
H	35356484	TUBING, 3/8 OD SYNDFLEX	~	See Lengths Above

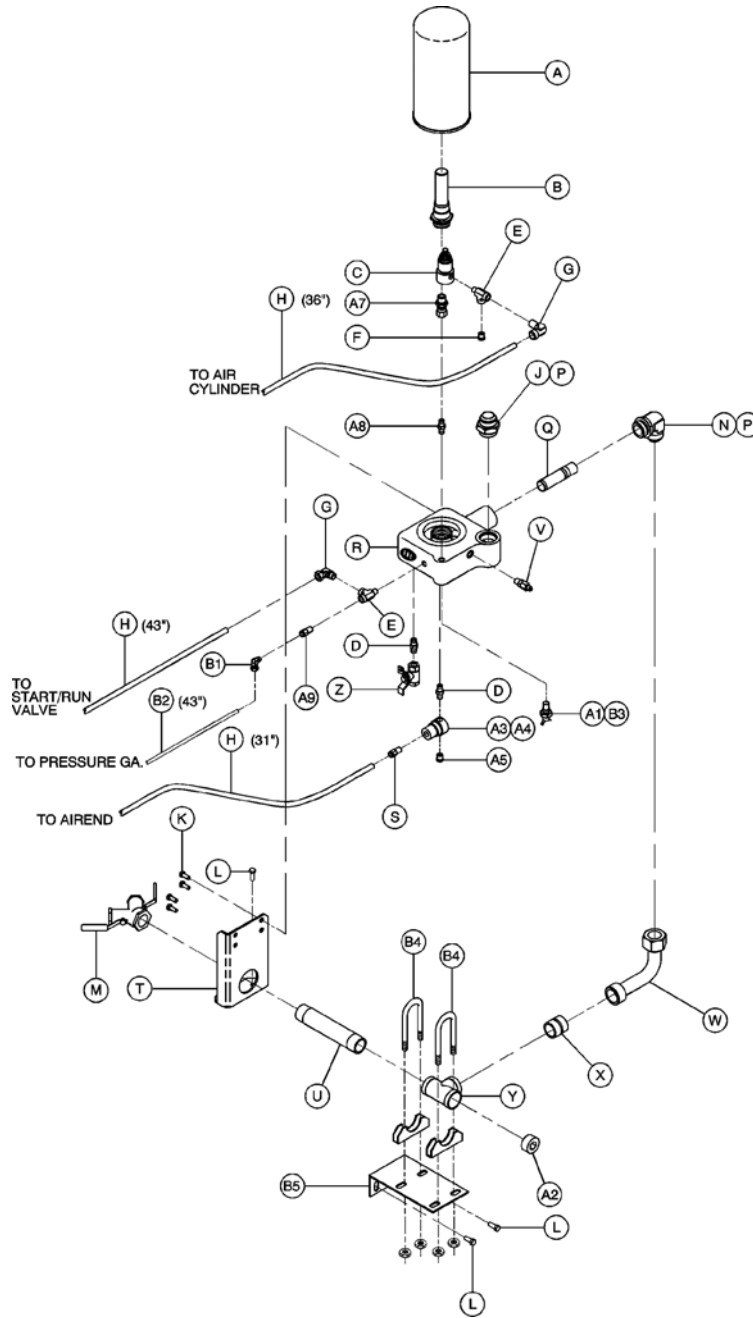
SEPARATOR FILTER COMPLETE



22546980_015_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
J	35279785	CONNECTOR, 1-5/8-12 X -20JIC	1	
K	96702279	SCREW, HEX M10-1.5 X 20	4	
L	35279025	SCREW, TAPPING M08-1.25 X20	4	
M	36881076	VALVE, WYE	1	
N	35279777	ELBOW, 90o 1-5/8-12 X -20JIC	1	
P	35279942	O RING	2	
Q	36921377	NOZZLE, .395 ORIFICE SONIC	1	
R	22406755	FILTER HEAD	1	
S	35369347	CONNECTOR, MALE 1/4NPT X 3/8" TUBE	2	

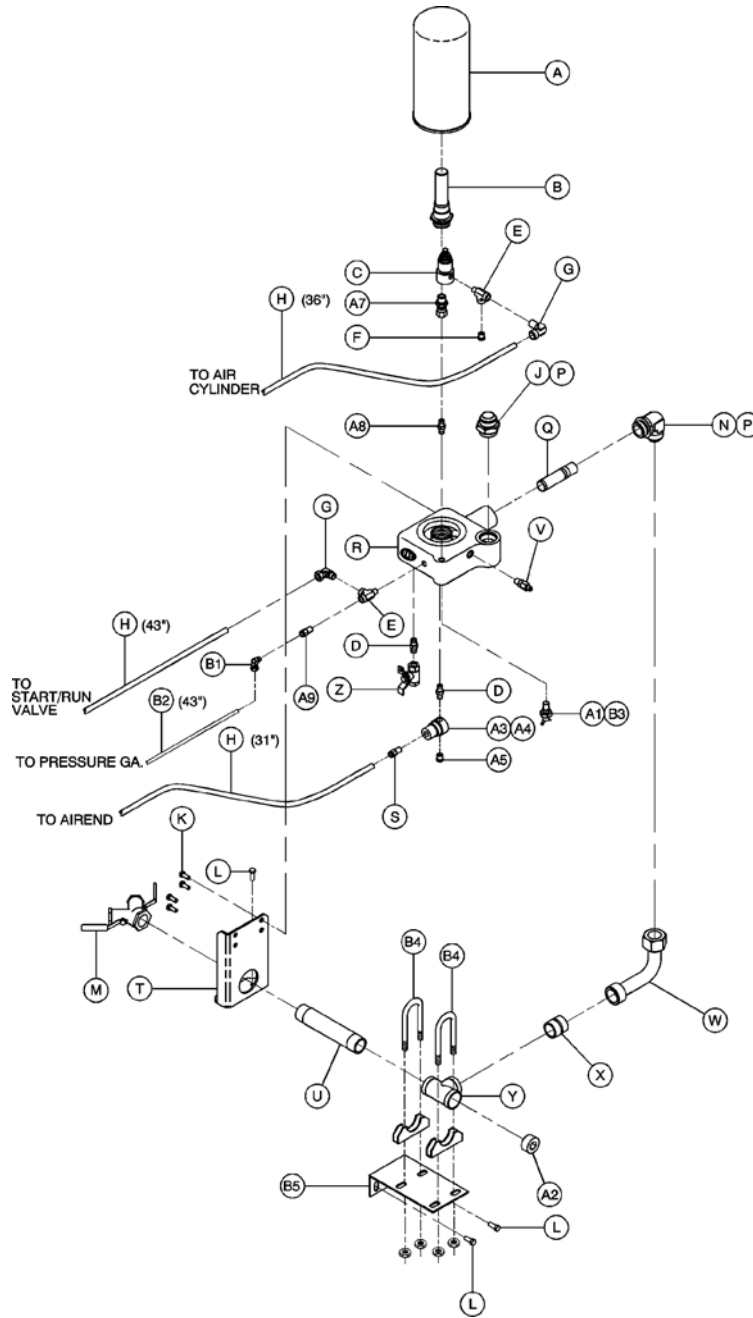
SEPARATOR FILTER COMPLETE



22546980_015_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
T	22355846	BRACKET, SEPARATOR	1	
U	95916268	NIPPLE, LONG 1.25 NPT X 8"	1	
V	36840437	VALVE, CHECK .062 ORIFICE	1	
W	22408561	TUBE, DISCHARGE	1	Prior to S/N 361178
	22662605	TUBE, DISCHARGE	1	Begin w/ S/N 361178
X	95953709	NIPPLE, CLOSED 1.25 NPT X 1.62"	1	Prior to S/N 361178
	95219770	ADAPTER, 1.25 NPT x 1.62-12	1	Begin w/ S/N 361178
Y	95954236	TEE, 1.25NPT	1	
Z	35324839	VALVE, BALL 1/4 NPT	1	

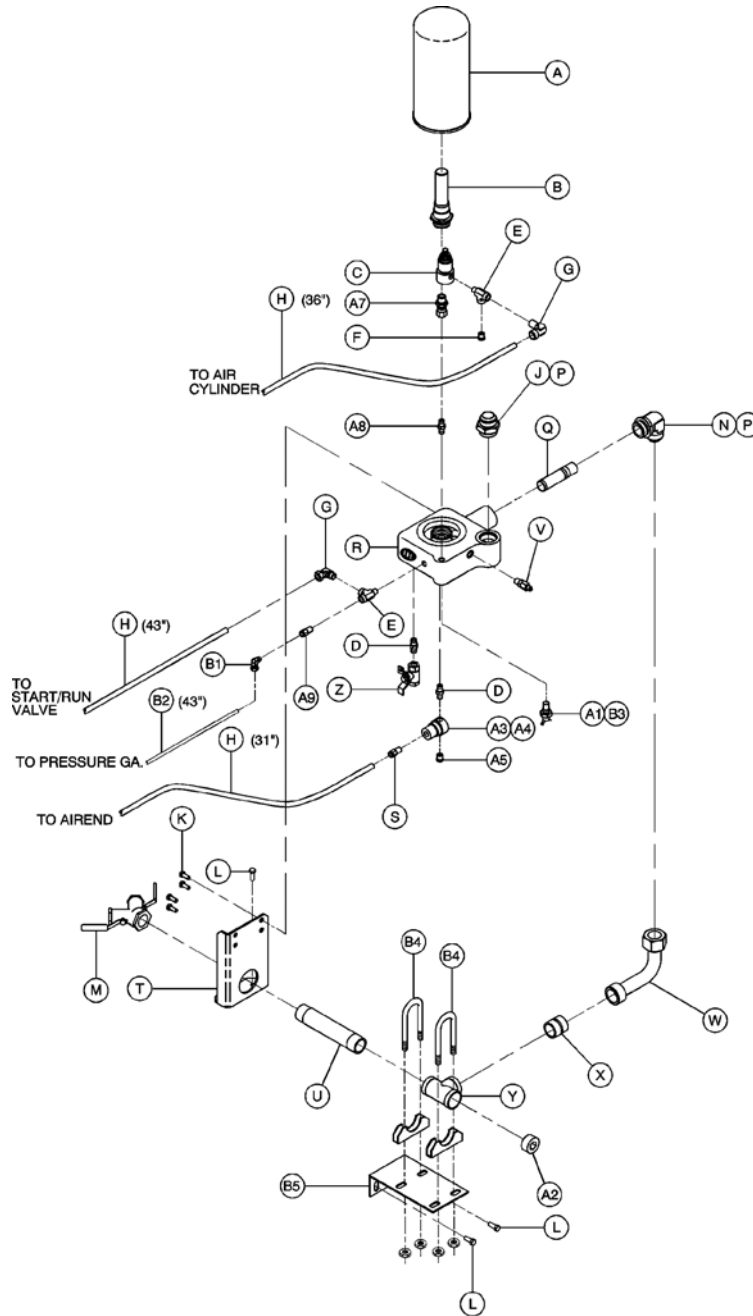
SEPARATOR FILTER COMPLETE



22546980_015_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A1	35596436	SWITCH, TEMPERATURE 248o F	1	Includes Items A, B, R Prior to S/N 355498 Begin w/ S/N 355498
A2	95928248	PLUG, HEX COUNTERSINK 1.25 NPT	1	
A3	35322379	VALVE, BLOWDOWN	1	
A4	35379064	KIT, DIAPHRAGM REPAIR	AR	
A5	36766772	MUFFLER, .062 ORIFICE	1	
A6	22406763	FILTER, SEPARATOR	1	
A7	95962601	CONNECTOR, SWIVEL NUT 1/4 NPT	1	
	36793776	NIPPLE, 1/4 NPT HEX	1	

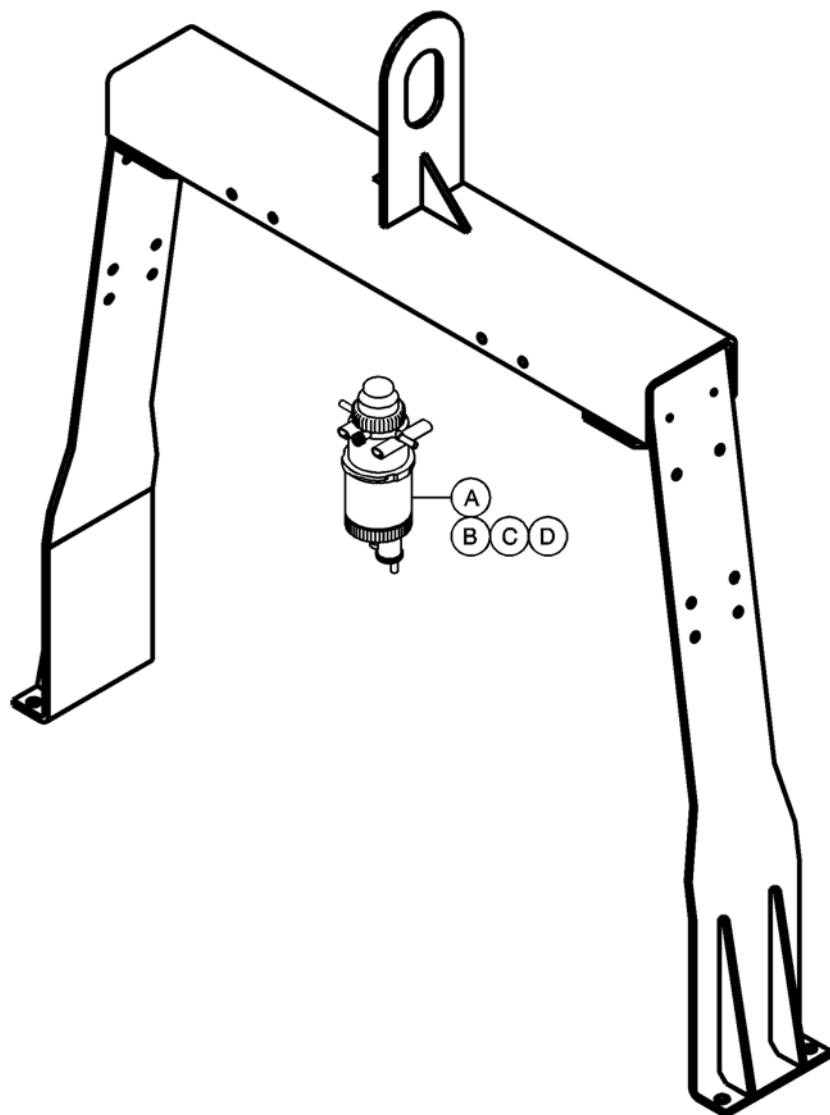
SEPARATOR FILTER COMPLETE



22546980_015_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A8	36793776	NIPPLE, .25 NPT	1	
A9	95930301	BUSHING, REDUCING 1/4 NPT X 1/8 NPT	1	
B1	36891547	ELBOW, 1/8 NPT	1	
B2	36891562	TUBING, 1/8"	~	See Lengths Above
B3	39404165	O-RING	~	Included w/ ASM.
B4	35192178	CLAMP, SADDLE	2	Begin w/ S/N 361179
B5	22642532	BRACKET, SERVICE	1	Begin w/ S/N 361179

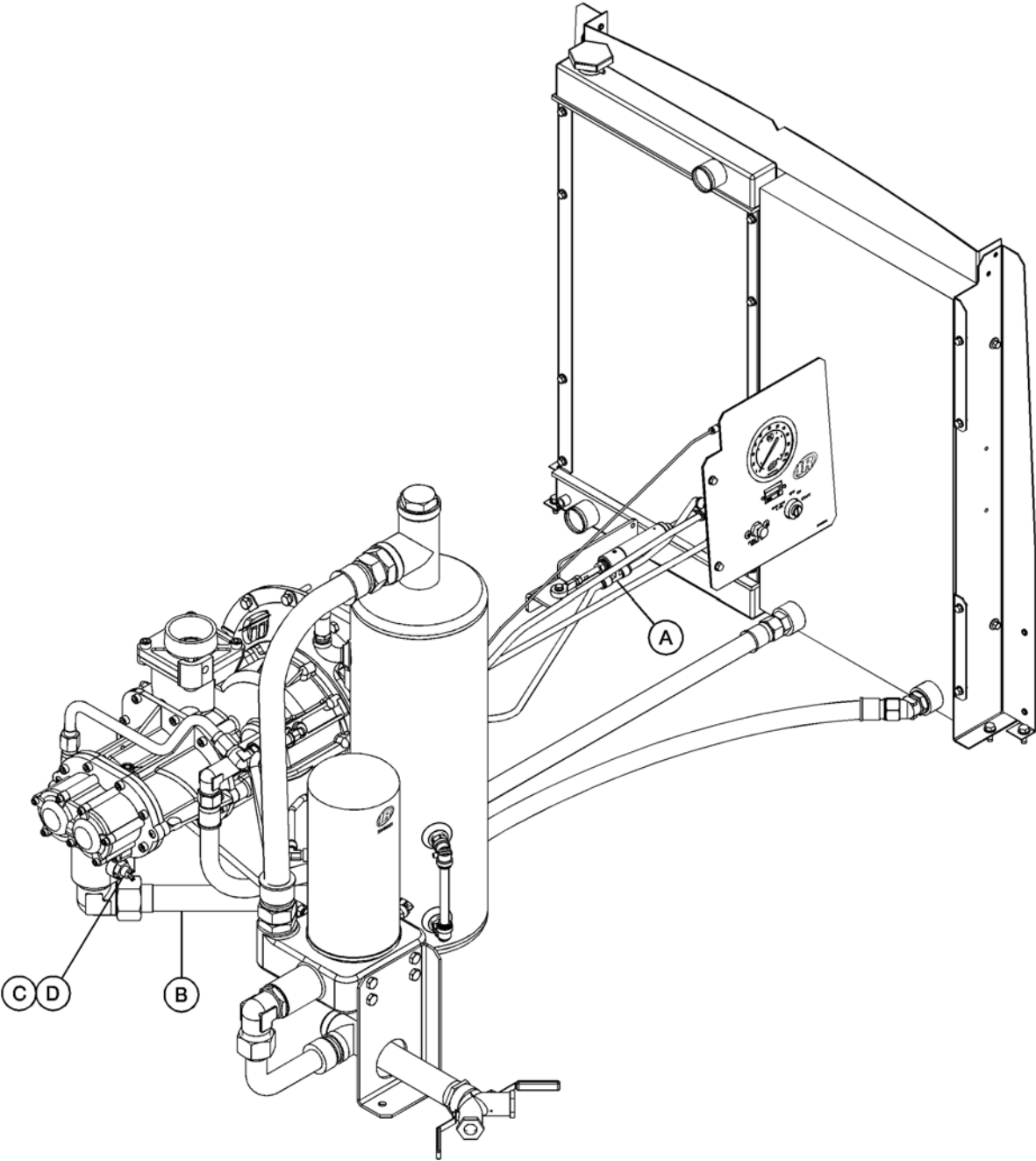
FUEL FILTER MOUNT



22546980_016_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22528228	FILTER, FUEL/WATER	1	
B	22532386	BOWL, POLYCARBONATE	1	
C	22532378	ELEMENT, FUEL 10 MICRON	1	
D	22532394	KIT, PRIMER PUMP	1	

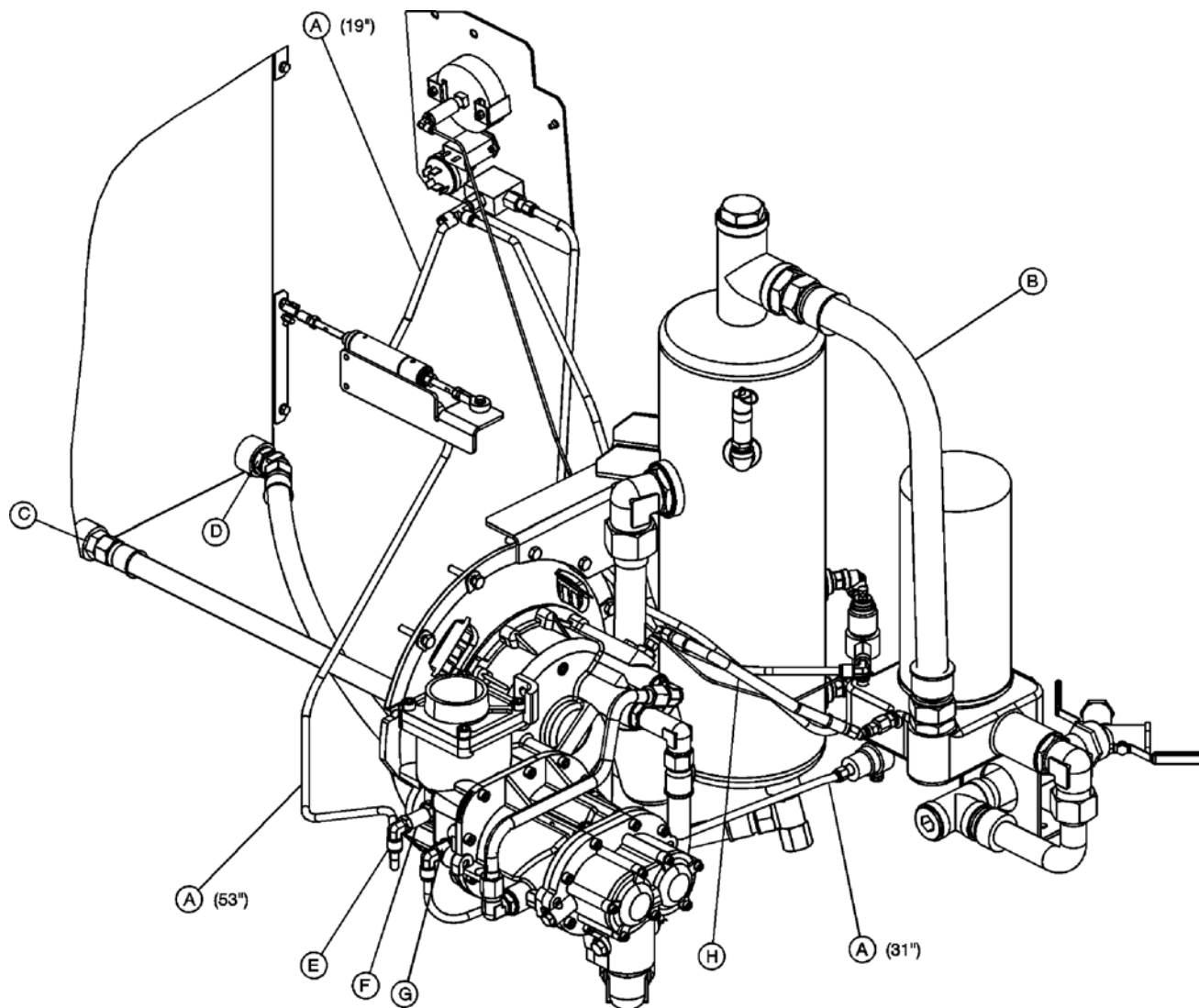
AIR AND OIL PIPING



22546980_017_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35369396	TEE, BRANCH 1/4 NPT X 3/8" TUBE	1	
B	35309236	HOSE, DISCHARGE	1	
C	35596436	SWITCH, TEMPERSTURE	1	
D	39404165	O-RING	1	

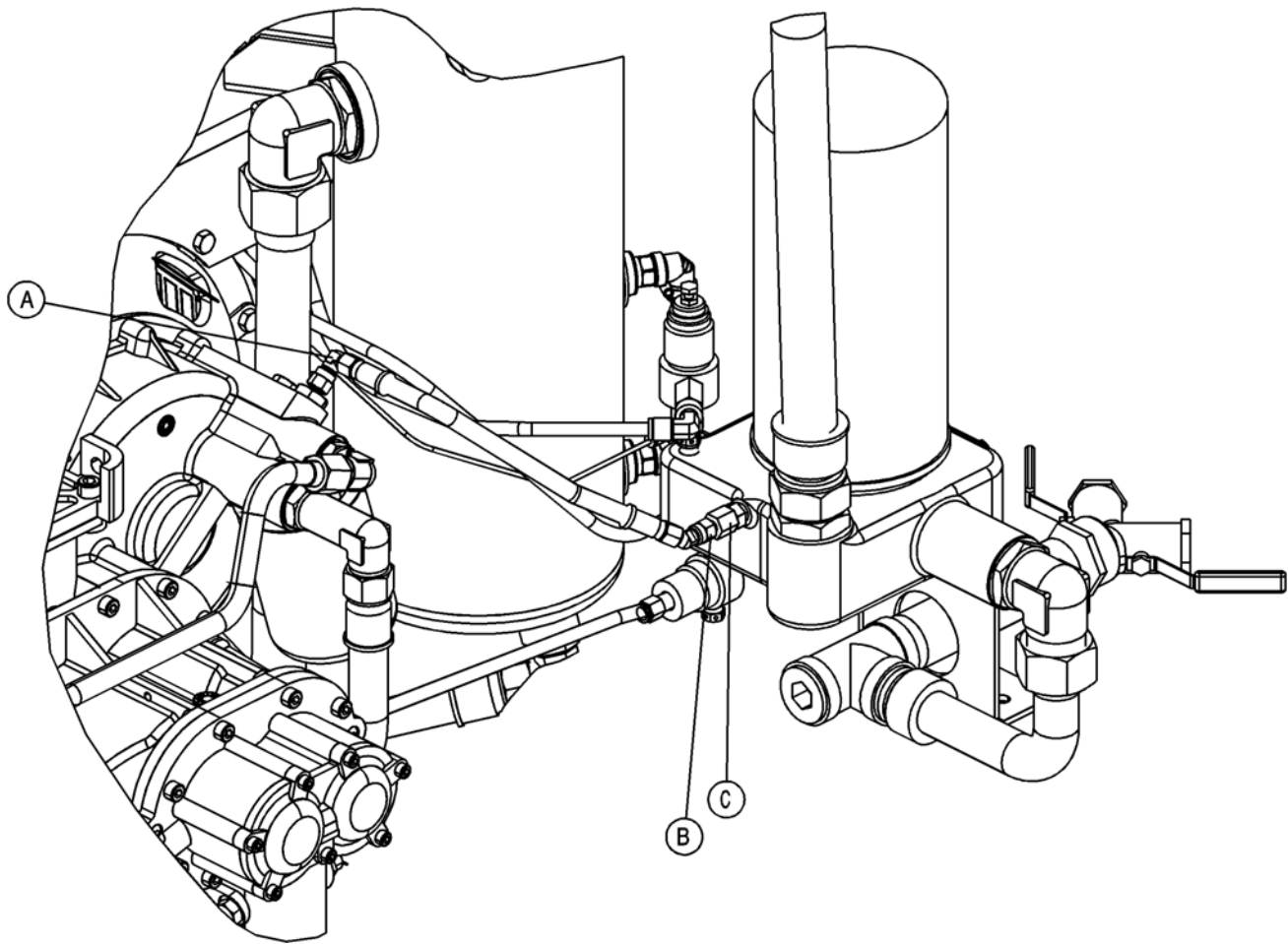
AIR AND OIL PIPING



22546980_018_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356484	TUBING, SYNDFLEX 3/8"		SEE LENGTHS ABOVE
B	35228170	HOSE, DISCHARGE	1	
C	35295880	CONNECTOR, 1.06 SAE X 12 JIC	1	
D	35294727	ELBOW, 45o 1.06 SAE X 12 JIC	1	
E	35370386	ELBOW, 1/8 NPT X 3/8 TUBE	1	
F	36886992	VALVE, .078 ORIFICE CHECK	1	
G	35302314	ADAPTER, 9/16-18 SAE X 1/4 FEMALE NPT	1	
H	35283241	HOSE, SCAVENGE	1	

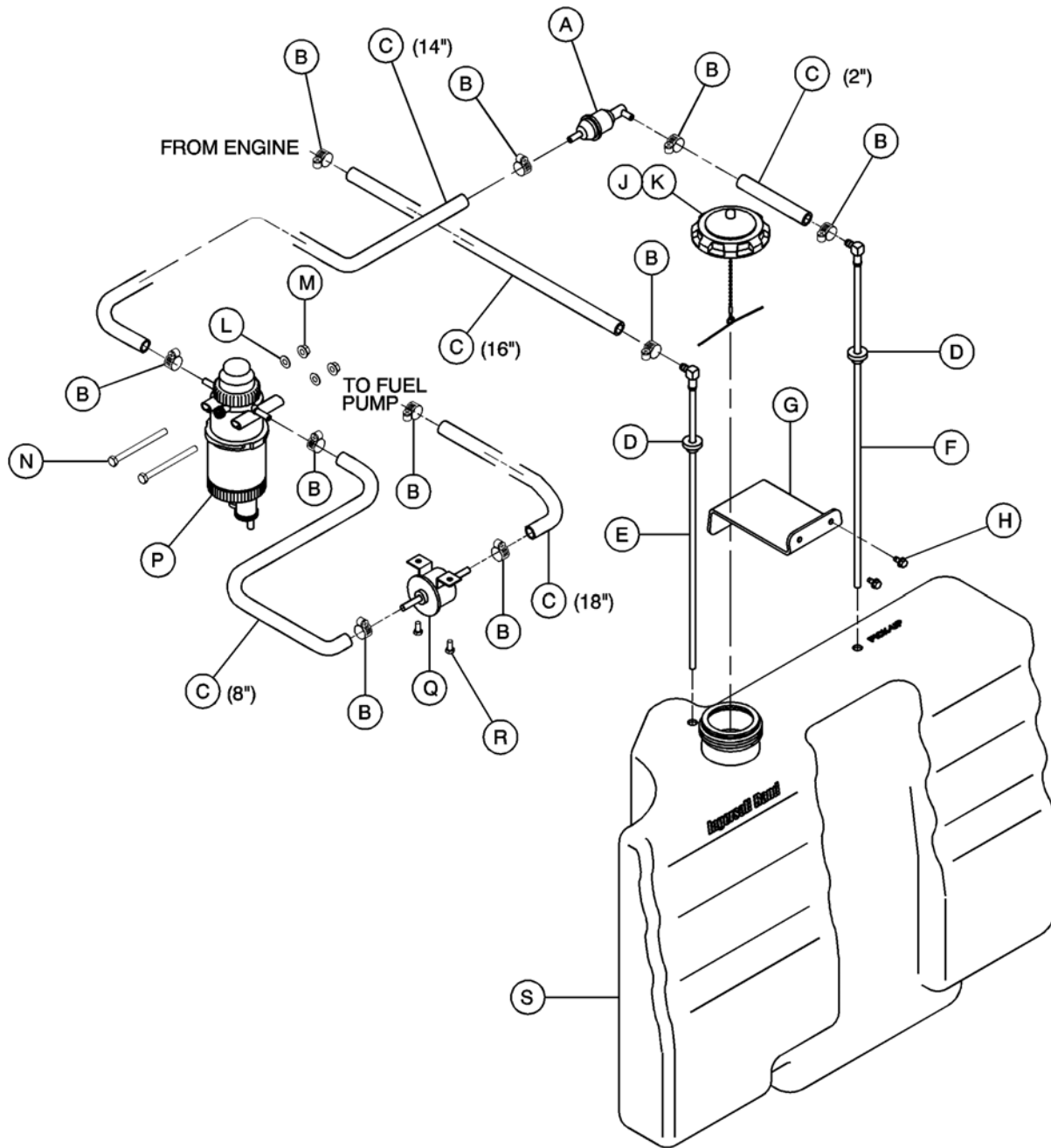
AIR AND OIL PIPING



22546980_019_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35290352	ELBOW, SWIVEL NUT -4 JIC	1	
B	95446340	ELBOW, 45° SWIVEL NUT -4 JIC	1	
C	36840437	VALVE, .062 ORIFICE CHECK	1	

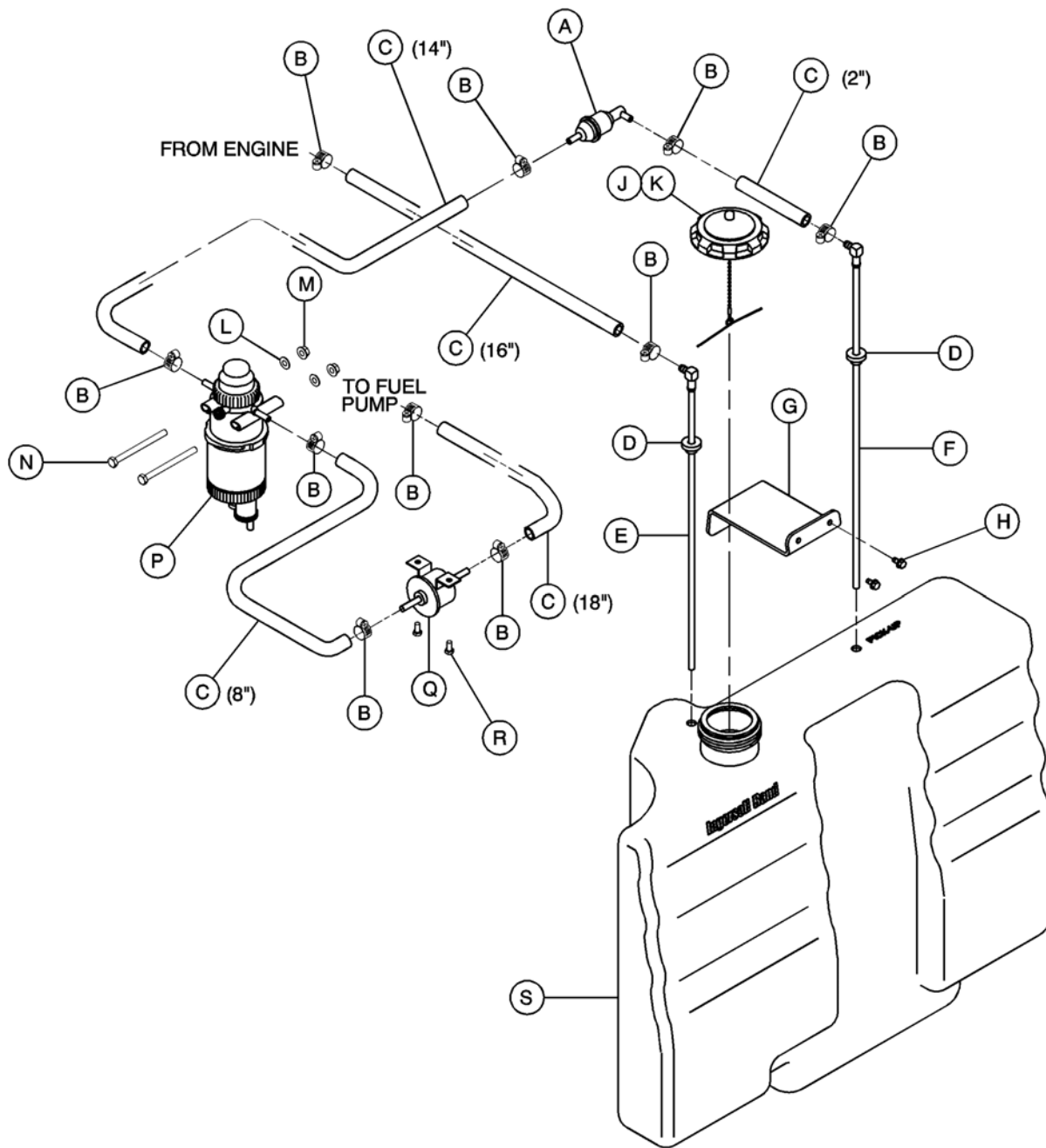
FUEL TANK



22546980_020_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36845493	FILTER, FUEL .7MM MEDIA	1	SEE LENGTHS ABOVE
B	35296342	CLAMP, WORM GEAR	10	
C	35363498	HOSE, FUEL .31 ID	~	
D	35384577	BUSHING, NITRILE	2	
E	22366066	STANDPIPE ASSEMBLY	1	
F	22366058	STANDPIPE ASSEMBLY	1	
G	22524425	BRACKET, FUEL TANK HOLD DOWN	1	
H	35279025	SCREW, TAPPING M08-1.25 X 20	2	
J	36885564	CAP, FUEL	1	

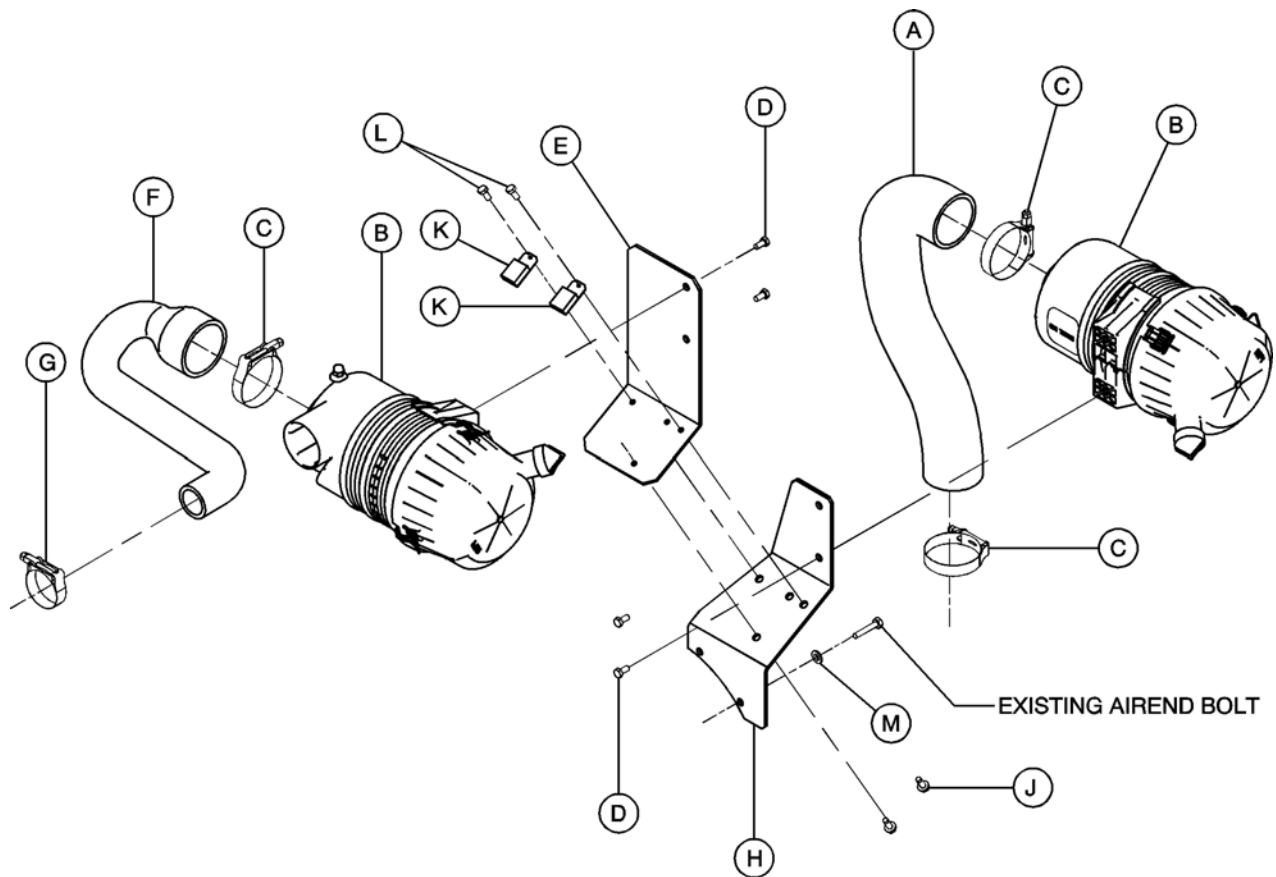
FUEL TANK



22546980_020_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	35385111	GASKET, FUEL CAP	1	
L	95935037	WASHER, FLAT	2	
M	36881886	NUT, HEX FLG M08-1.25	2	
N	96726435	SCREW, HEX M08-1.25 X 100	2	
P	22528228	FILTER, FUEL/WATER	1	
Q	22568398	PUMP, ELECTRONIC FUEL	1	
R	36797652	SCREW, TAPPING M06-1.0 X 12	2	
S	22343503	TANK, FUEL	1	

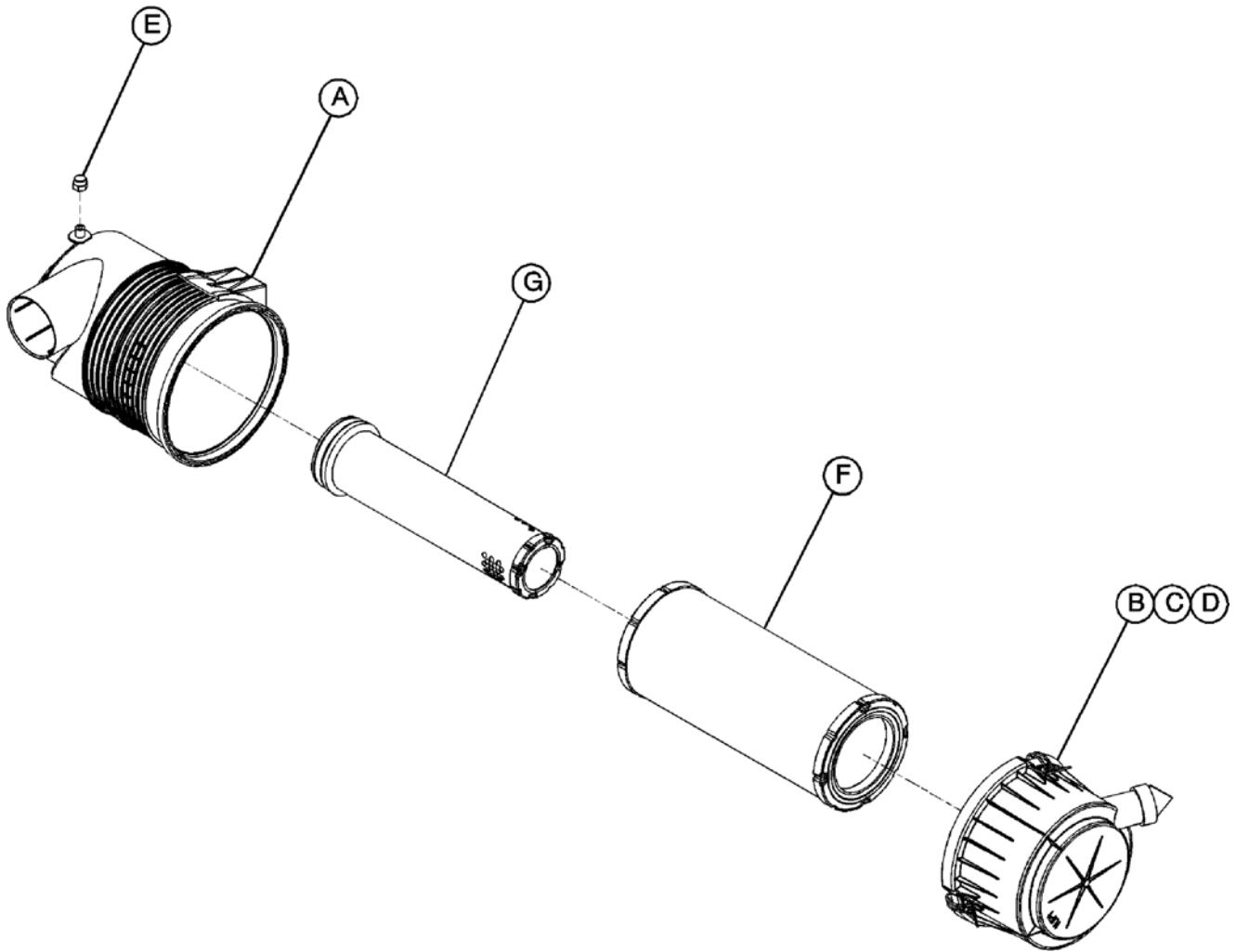
AIR CLEANER MOUNTING



22546980_021_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22355143	ELBOW, A/E FILTER	1	
B	36897999	CLEANER ASSY, AIR	2	
C	35374073	CLAMP, T-BOLT 3.62" DIA	3	
D	96702048	SCREW, HEX M08-1.25 X 16	4	
E	22421325	BRACKET, ENGINE AIR FILTER	1	
F	22431985	ELBOW, ENGINE	1	
G	35305390	CLAMP, T-BOLT 2.75" DIA	1	
H	22421317	BRACKET, AIR FILTER A/E	1	
J	35279025	SCREW, TAPPING M08-1.25 X20	2	
K	22511505	RELAY, 70AMP 12VDC	2	
L	36797652	SCREW, TAPPING M06-1.0 X 12	2	
M	95935037	WASHER, FLAT	2	

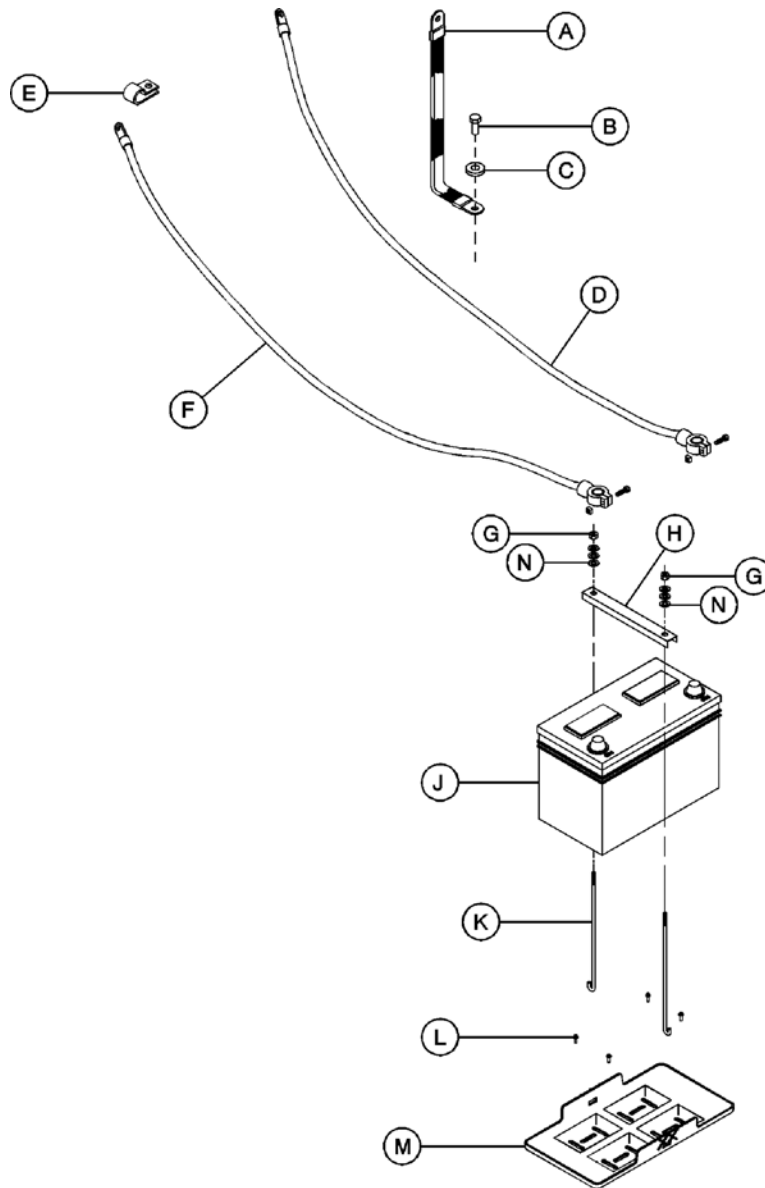
AIR CLEANER ASM.



22546980_022_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35393701	BODY, AIR CLEANER	1	OPTIONAL
B	35393693	COVER, AIR CLEANER	1	
C	35393669	CLIP, RETAINING	3	
D	35393677	VALVE, DUST EJECTOR	1	
E	35393719	PLUG, CAP	1	
F	35393685	ELEMENT, PRIMARY	1	
G	35393651	ELEMENT, SAFETY	1	

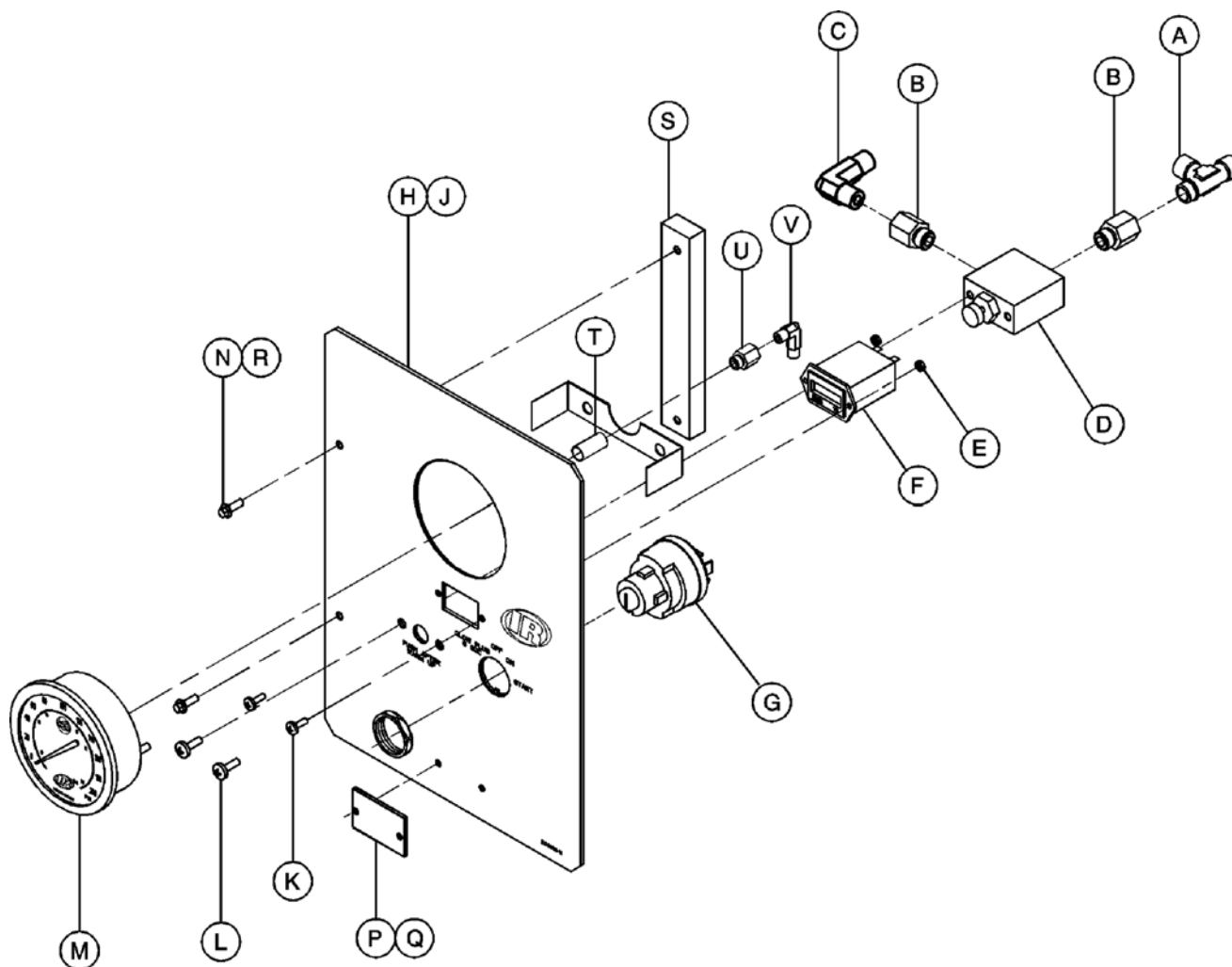
BATTERY MOUNTING



22546980_023_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22451249	STRAP, GROUND	1	
B	96701495	SCREW, HEX M12-1.75 X 25	1	
C	95935003	WASHER, FLAT 1/2"	1	
D	22517502	CABLE, BATTERY NEGATIVE	1	
E	35225093	CLAMP, SUPPORT 1/2" RUBBER COATED	2	
F	22517494	CABLE, BATTERY POSITIVE	1	
G	95923298	NUT, HEX LOCKING 1/4-20	2	
H	22524680	BRACKET, BATT HOLD DOWN	1	
J	36844264	BATTERY, 12V	1	
K	36860005	J-BOLT	2	
L	36797652	SCREW, TAPPING M06-1.0 X 12	4	
M	36878064	TRAY, BATTERY	1	
N	95935029	WASHER, FLAT	6	

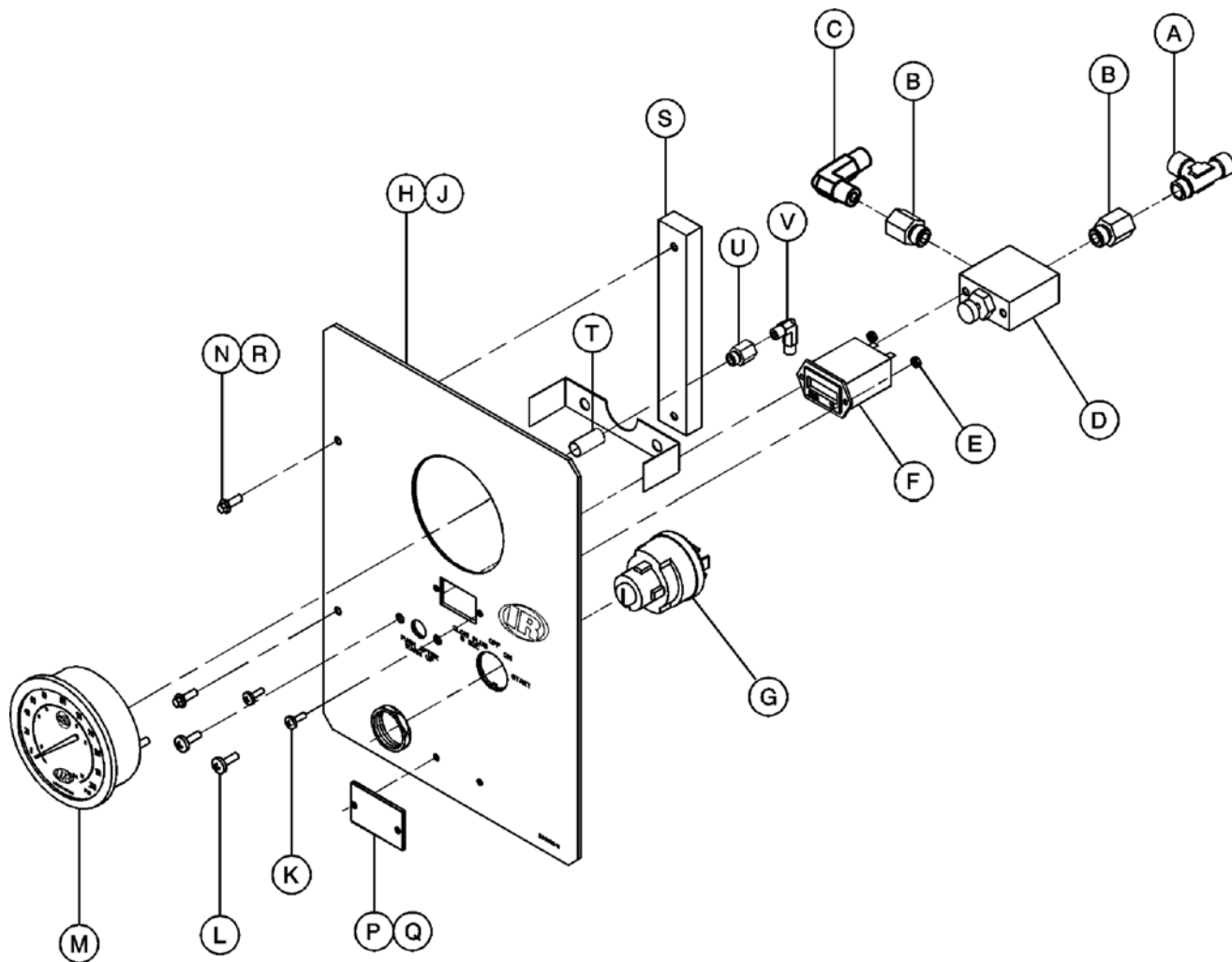
INSTRUMENT PANEL



22546980_024_11/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35369503	TEE, RUN 1/4NPT X 3/8" TUBE	1	Prior to S/N 359162
	35373976	TEE, 1/4NPT X 3/8" TUBE	1	Begin w/ S/N 359162
B	35302314	ADAPTER	2	
C	35369347	CONNECTOR, MALE 1/4NPT X 3/8" TUBE	1	Prior to S/N 359162
	35369354	ELBOW, MALE 1/4NPT X 3/8" TUBE	1	Begin w/ S/N 359162
D	36783439	VALVE, 2 WAY START/RUN	1	
E	22054159	NUT, PLASTIC #4-40	2	
F	22054175	HOURMETER, ELEC/MECH	1	
G	36786457	SWITCH, KEY	1	Prior to S/N 354637
	22624639	SWITCH, KEY	1	Begin w/ S/N 354637
H	22363329	PANEL, INSTRUMENT	1	Prior to S/N 352328
	22596720	PANEL, INSTRUMENT	1	Between S/N 352328 & 359161
	22628499	PANEL, INSTRUMENT	1	Begin w/ S/N 359162
J	22496541	DECAL, CONTROL PANEL	1	Prior to S/N 352328
	22596738	DECAL, CONTROL PANEL	1	Between S/N 352328 & 359161
	22616155	DECAL, CONTROL PANEL	1	Begin w/ S/N 359162

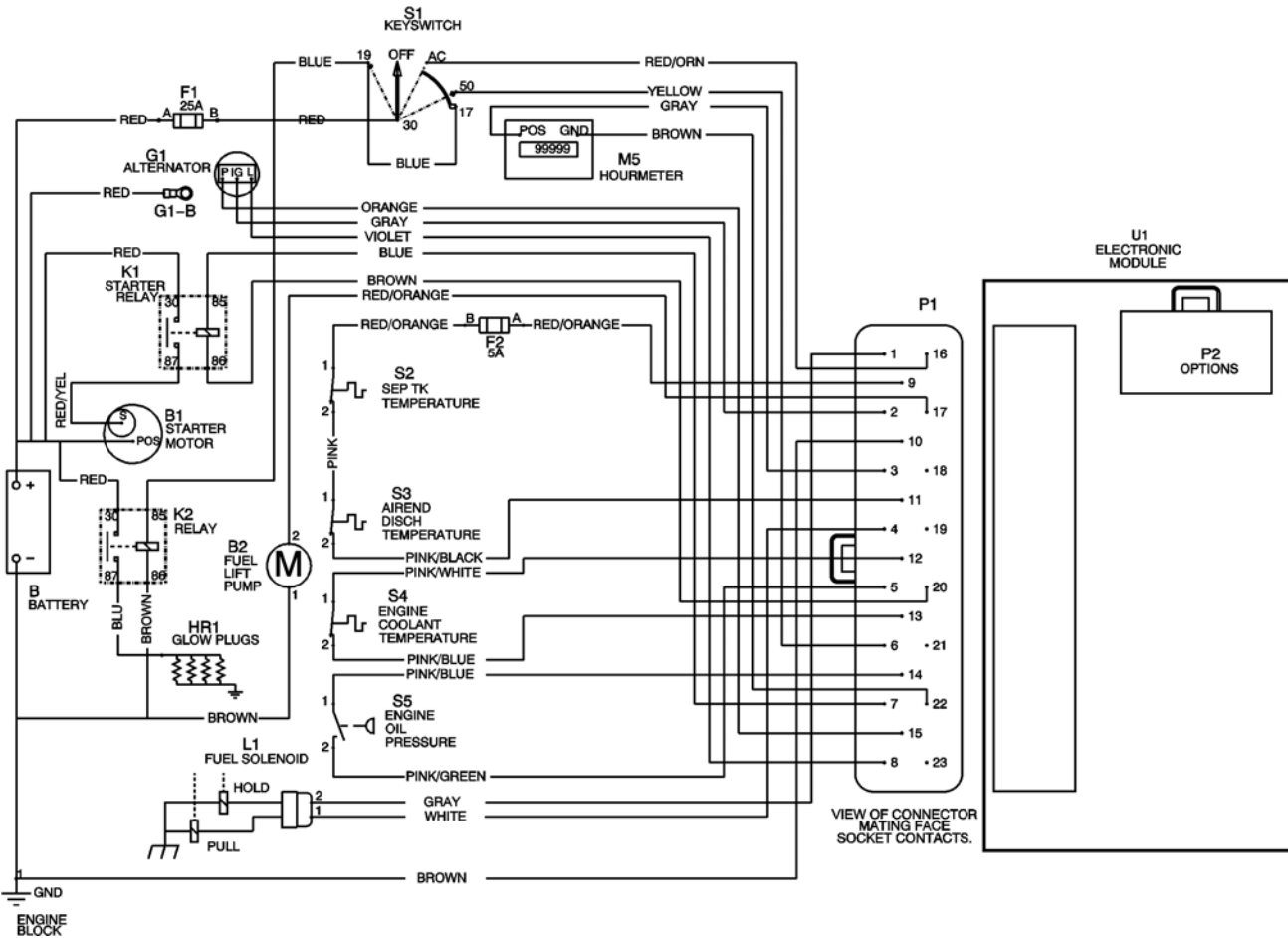
INSTRUMENT PANEL



22546980_024_11/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	95775599	SCREW, 4-40 X 1/2" SS	2	Prior to S/N 359162
	95591723	SCREW, 4-40 X 3/8" SS	2	Begin w/ S/N 359162
L	22090898	SCREW, PAN HEAD M06-1.0 X 16	2	
M	35706761	GAUGE, DISCHARGE PRESSURE	1	
N	35284793	SCREW, HEX M08-1.25 X 70	2	Prior to S/N 361543
	36786382	SCREW, HEX M08-1.25 X 70	2	Begin w/ S/N 361543
P	22389886	PLATE, SERIAL NUMBER	1	
Q	36920486	RIVET, .19 DIA SS	2	
R	96728431	NUT, HEX NYLOCK M08-1.25	2	
S	22597231	SPACER, BLOCK	1	
T	95935813	COUPLING, PIPE 1/4 NPT	1	
U	95930301	BUSHING, REDUCING 1/4 X 1/8 NPT	1	
V	36891547	ELBOW, 1/8 NPT X 1/8 TUBE	1	
~	35385533	KEY, REPLACEMENT IGNITION	1	Prior to S/N 354637
~	22769558	KEY, REPLACEMENT IGNITION	1	Begin w/ S/N 354637

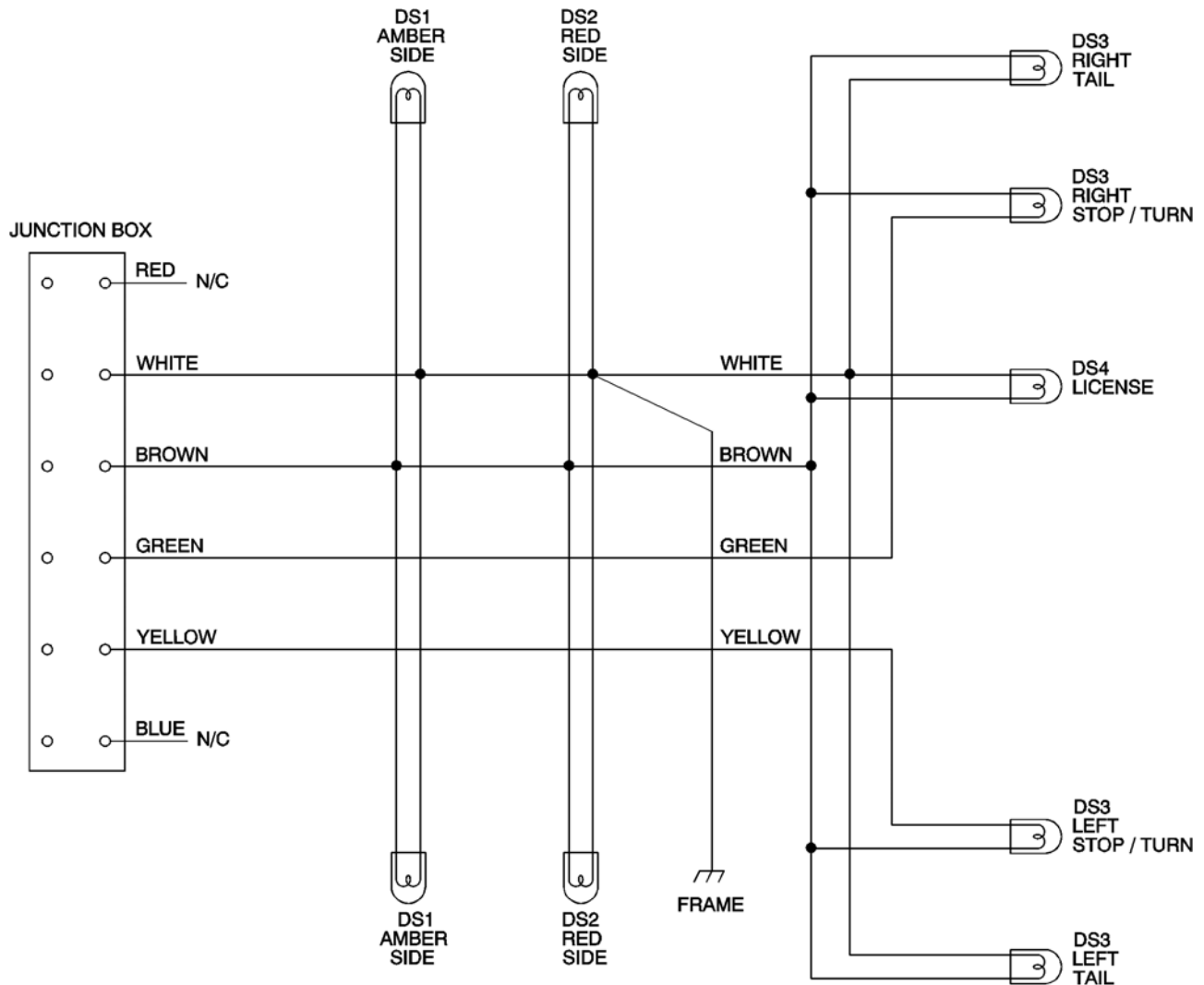
WIRING DIAGRAM



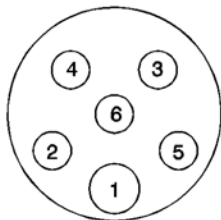
22546980_025_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
B	36844264	BATTERY, 12V	1	
B1	22496939	STARTER	1	
B2	22568398	PUMP, FUEL LIFT	1	
F1	36793651	FUSE, 25A	1	
F2	36782654	FUSE, 5A	1	
G1	22496947	ALTERNATOR	1	
HR1	22568349	PLUG, GLOW	4	
K1	22511505	RELAY, STARTER	1	
K2	22511505	RELAY, START PROTECT	1	
L1	22568091	SOLENOID, FUEL	1	
M5	22054175	HOURLMETER	1	
S1	22624639	SWITCH, KEY	1	
S2	35596436	SWITCH, SEPARATOR TANK TEMP	1	
S3	35596436	SWITCH, A/E DISCHARGE TEMP	1	
S4	36868479	SWITCH, ENGINE WATER TEMP	1	
S5	36878379	SWITCH, ENGINE OIL PRESSURE	1	
U1	22515860	MODULE, ELECTRONIC	1	
W1	22474456	HARNESS, CHASSIS	1	

TAIL LIGHT WIRING DIAGRAM



PLUG / SOCKET WIRING CONNECTIONS

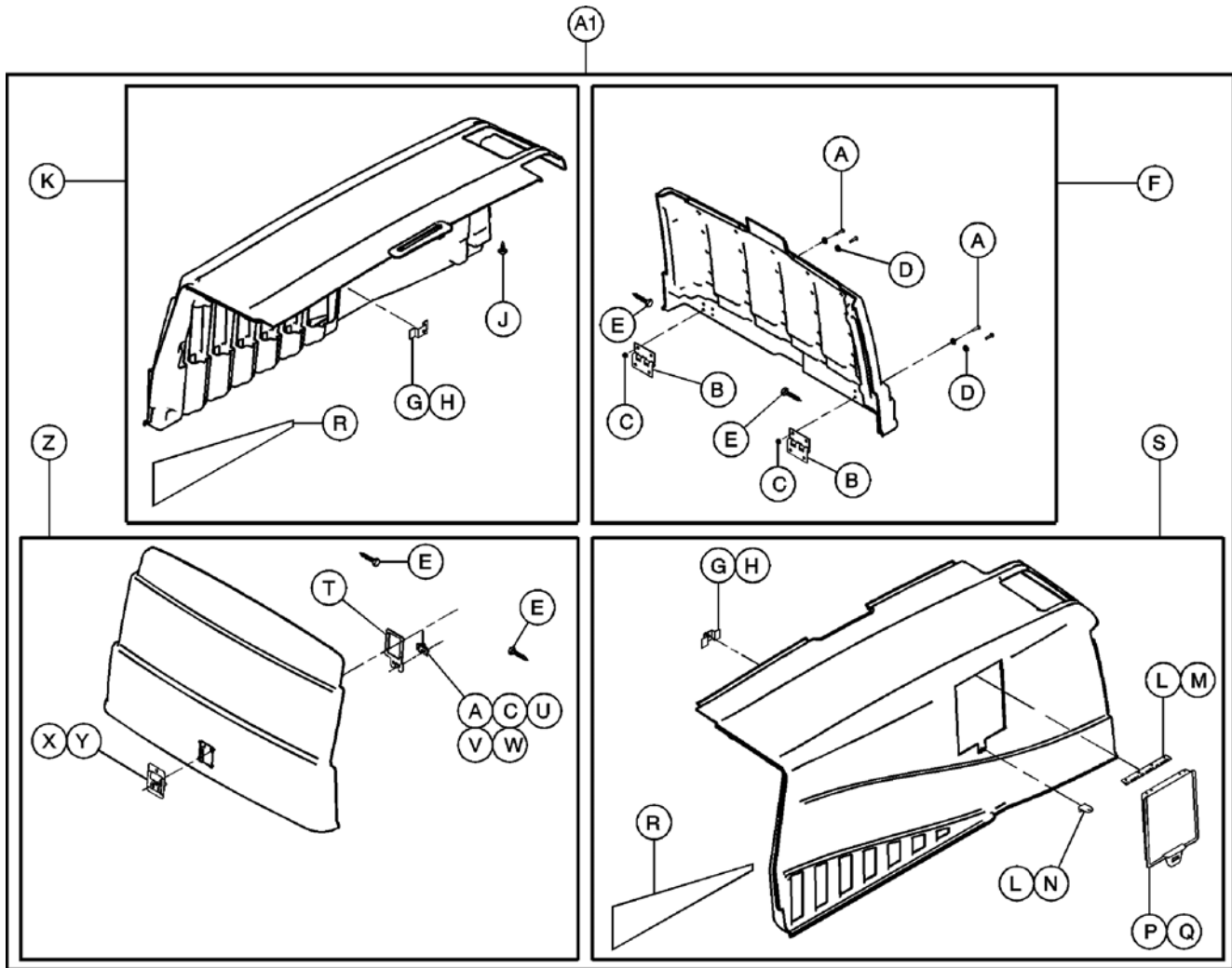


- 1 WHITE - GROUND
- 2 YELLOW - LEFT STOP/TURN SIGNAL
- 3
- 4 GREEN - RIGHT STOP/TURN SIGNAL
- 5 BROWN - TAIL / CLEARANCE LIGHTS
- 6 BLUE - ELECTRIC BRAKES

22546980_026_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
DS1	36788081	LIGHT, STOP / TAIL	1	
DS2	36788081	LIGHT, STOP / TAIL	1	
DS3	54726468	LIGHT, LICENSE	1	
DS4	35367044	LIGHT, RED SIDE	1	
DS5	35367051	LIGHT, AMBER SIDE	1	
DS6	35367044	LIGHT, RED SIDE	1	
DS7	35367051	LIGHT, AMBER SIDE	1	
W2	22515027	HARNESS, LIGHT	1	

CANOPY ASSEMBLY PRIOR TO S/N 359964

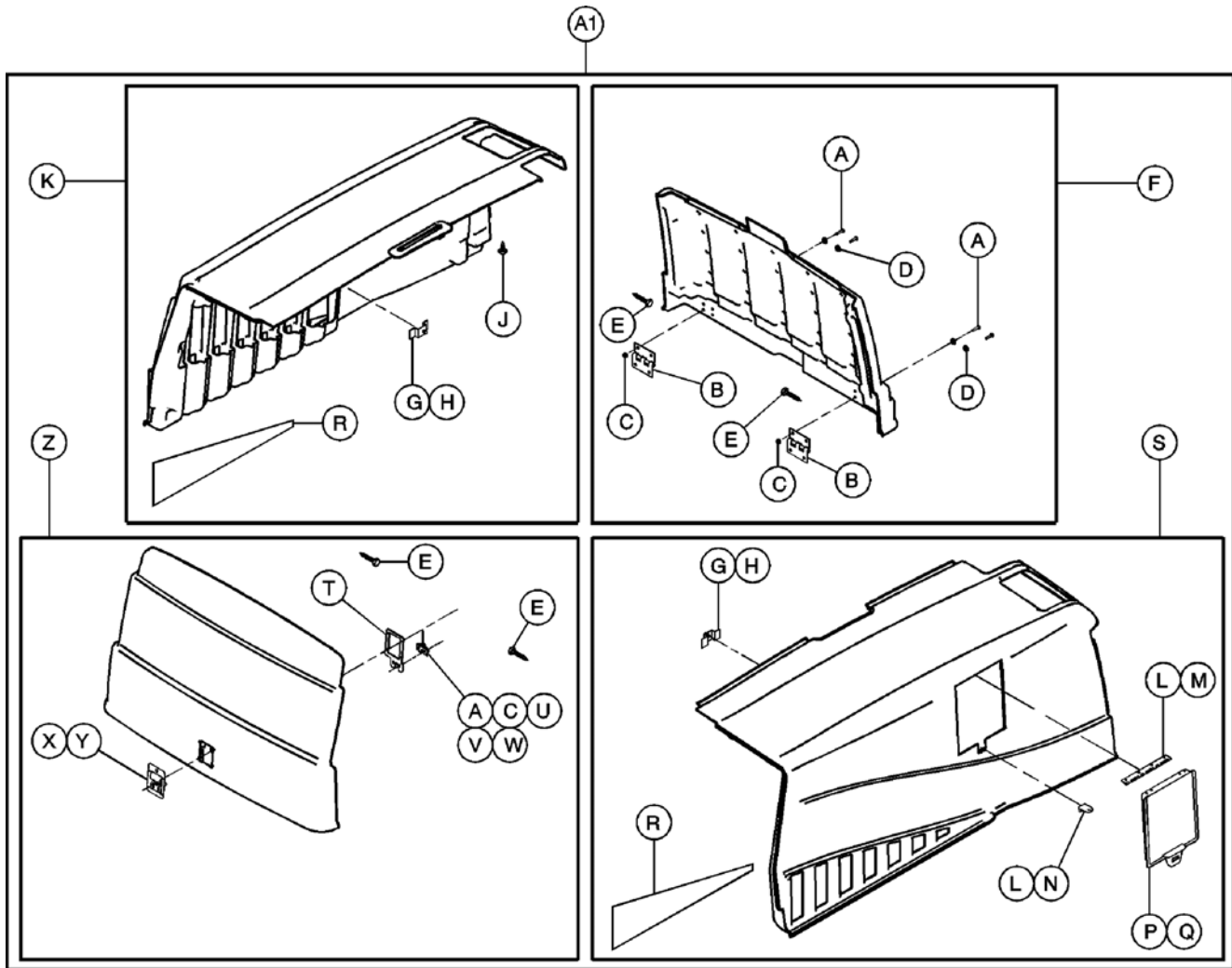


PRIOR to S/N 359964

22546980_027a_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96741129	SCREW, HEX SOC CAP M08-1.25 X 30	6	
B	22441612	HINGE, BUTT REVERSE ASSEMBLY	2	
C	96728431	NUT, NYLOC M08-1.25	6	
D	22517510	SPACER, 8.5 ID X 13.0 OD	4	
E	22580104	SCREW, HEX HD TYPE AB #14 X 2.0"	14	
F	22554679	FRONT CANOPY ASSEMBLY	1	
G	22580179	BRACKET, BALL STUD	2	
H	36797652	SCREW, TAPPING M06-1.0 X 12	4	
J	22580112	SCREW, HEX HD TYPE AB #14 X 3/4"	16	
K	22554703	CURB SIDE CANOPY ASSEMBLY	1	
L	54721212	RIVET, 3/16" X 5/8" ALUMINUM	6	
M	22493035	HINGE, CONTROL PANEL SPRING	1	
N	22455448	LATCH, INSTRUMENT PANEL DOOR	1	

CANOPY ASSEMBLY PRIOR TO S/N 359964

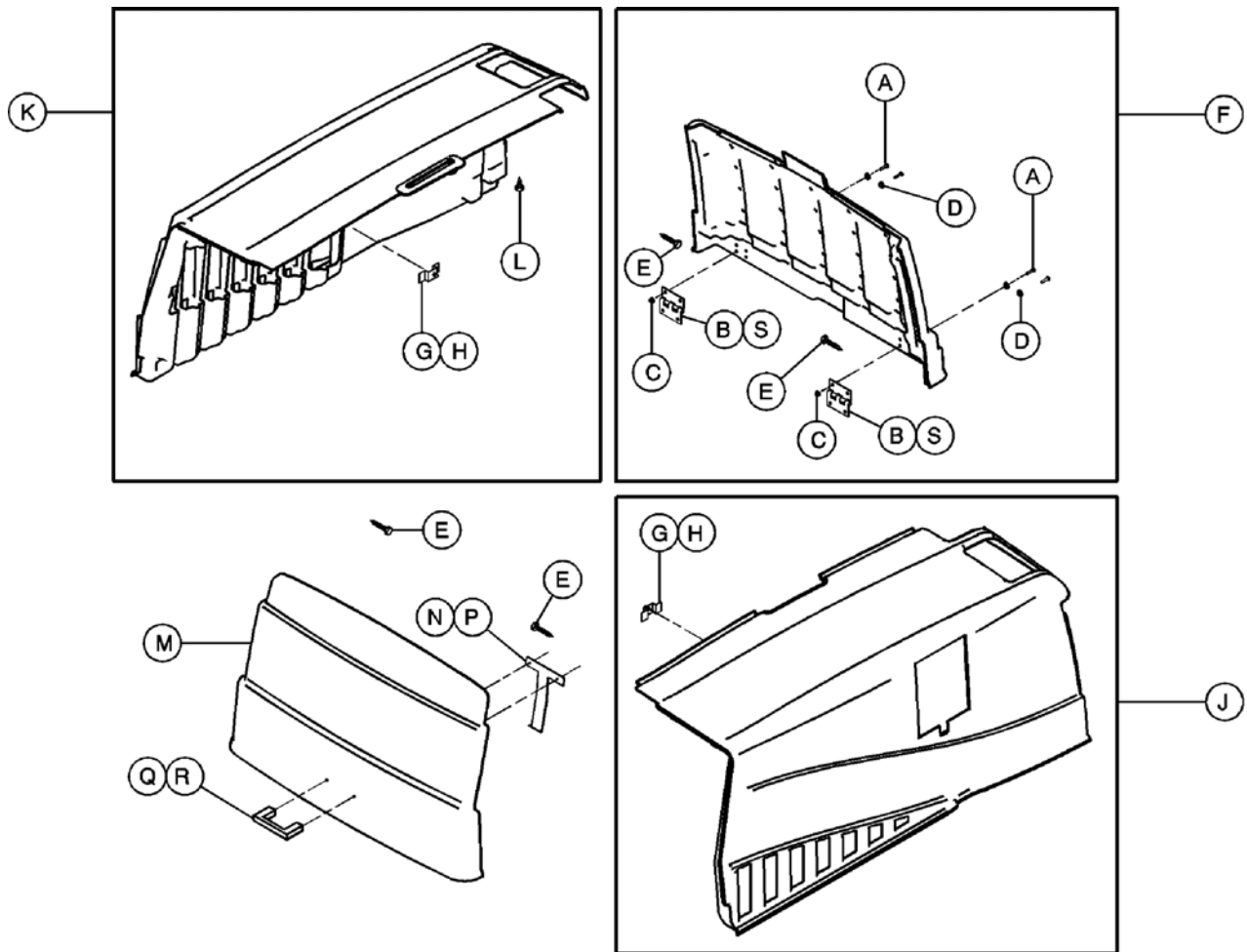


PRIOR to S/N 359964

22546980_027a_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	22545719	DOOR, INSTRUMENT PANEL	1	
Q	54721220	RIVET, 3/16" X 7/16" ALUMINUM	4	
R	22583967	MESH, CAONPY INLET	2	
S	22554711	STREET SIDE CANOPY ASSEMBLY	1	
T	22579007	PLATE, LATCH	1	
U	22546907	LATCH, CANOPY	1	
V	22552939	ROD, LINKAGE	1	
W	95928800	NUT, HEX LOCK #10-32 SS	1	
X	36793602	LATCH, SLAM DOOR	4	
Y	22579759	RIVET	1	
Z	22554661	REAR CANOPY ASM.	1	
A1	22572259	CANOPY ASSEMBLY 	1	INCLUDES ALL ABOVE

CANOPY ASSEMBLY BEGIN with S/N 359964

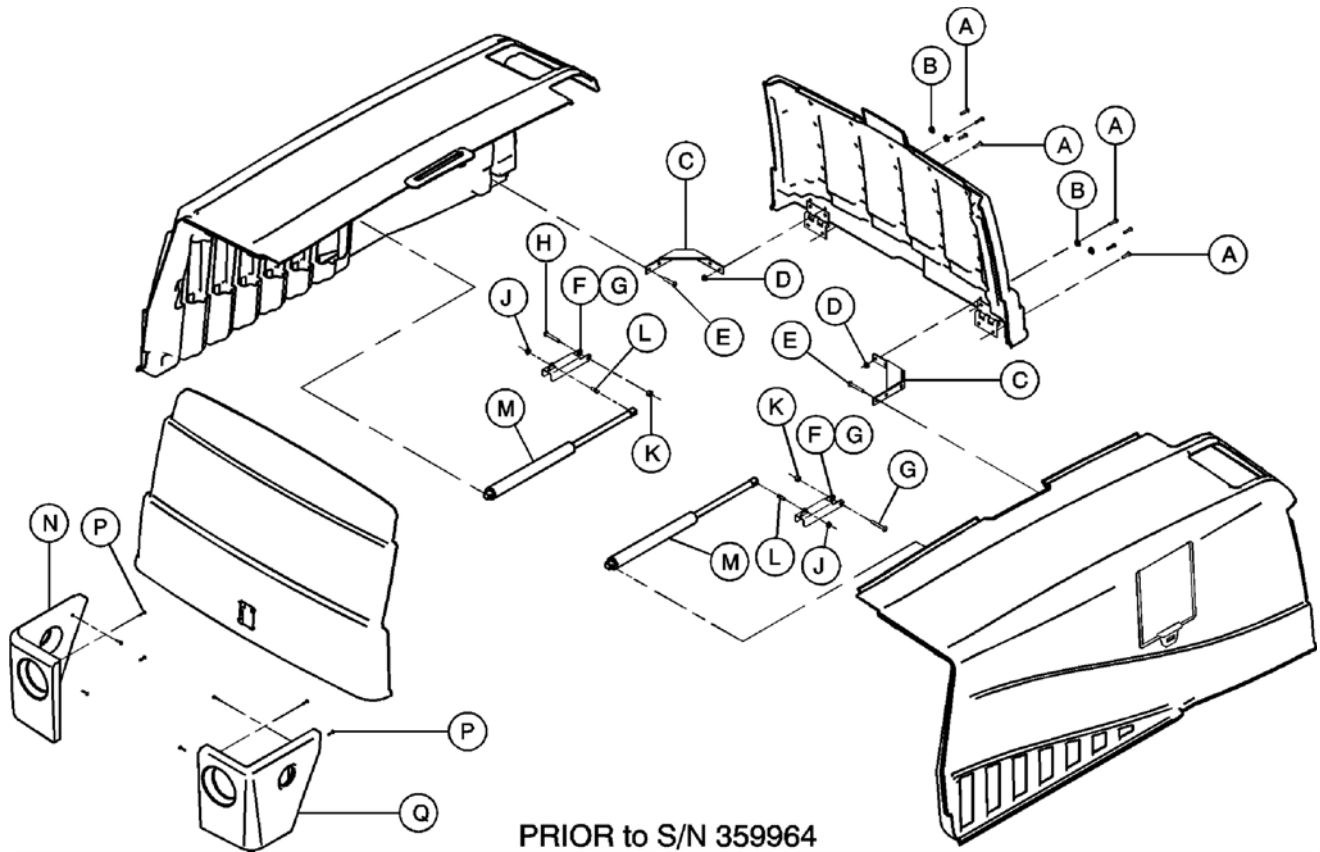


BEGIN with S/N 359964

22546980_027b_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96741129	SCREW, HEX SOC CAP M08-1.25 X 30	6	
B	22441612	HINGE, BUTT REVERSE ASSEMBLY	2	
C	96728431	NUT, NYLOC M08-1.25	6	
D	22517510	SPACER, 8.5 ID X 13.0 OD	8	
E	22580104	SCREW, HEX HD TYPE AB #14 X 2.0"	14	
F	22554679	FRONT CANOPY ASSEMBLY	1	
G	22580179	BRACKET, BALL STUD	2	
H	36797652	SCREW, TAPPING M06-1.0 X 12	4	
J	22554703	CURB SIDE CANOPY ASSEMBLY	1	
K	22554711	STREET SIDE CANOPY ASSEMBLY	1	
L	22580112	SCREW, HEX HD TYPE AB #14 X 3/4"	16	
M	22682405	CANOPY, LATCH END	1	
N	22675219	PLATE, LATCH	1	
P	96704598	NUT, HEX LOCK M06-1.0	2	
Q	22673990	HANDLE	1	
R	96701461	SCREW, HEX M06-1.0 X 25	2	
S	22538490	SCREW, TAPPING M08-1.25 X 20	4	

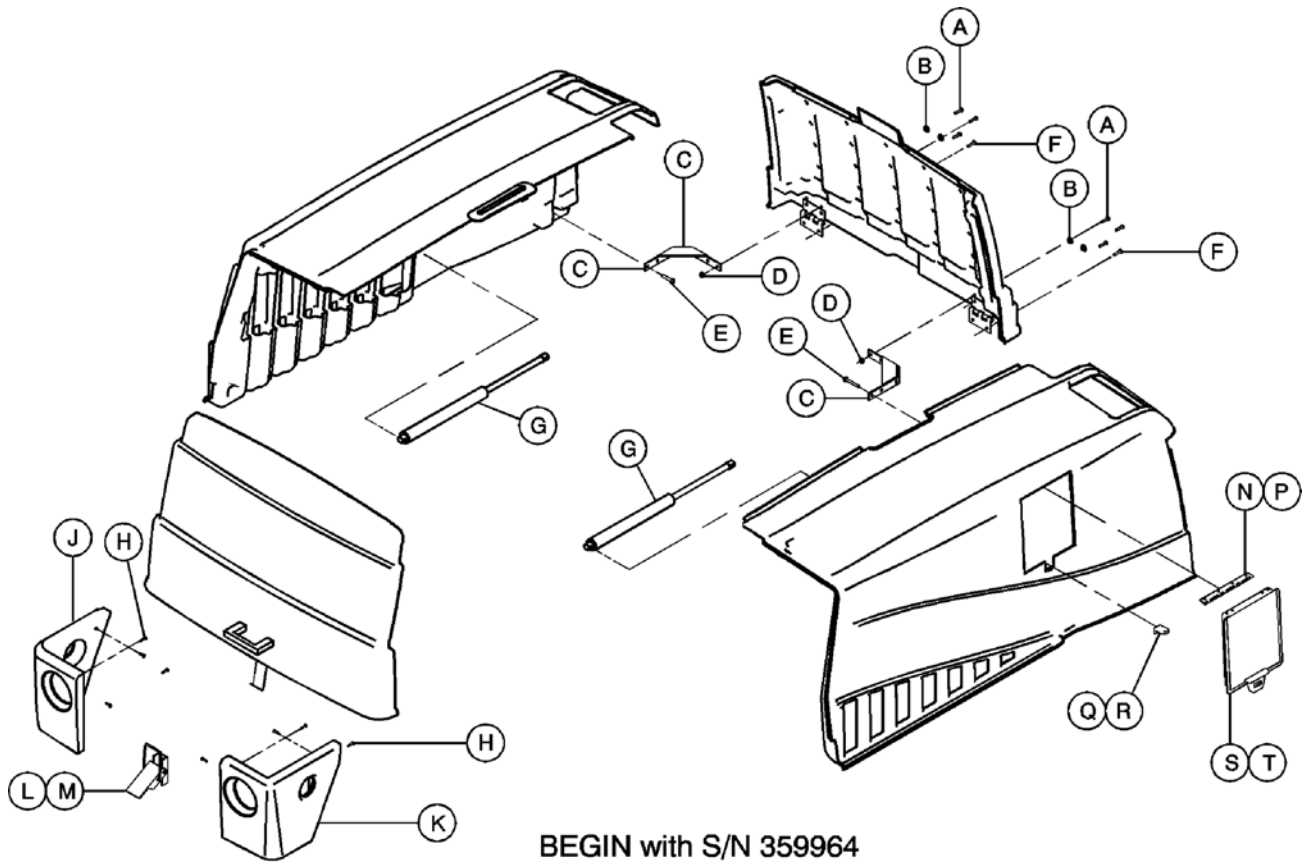
ENCLOSURE COMPLETE PRIOR TO S/N 359964



22546980_028a_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96741129	SCREW, HEX SOC BUTN HD M08-1.26 X 30	8	
B	22517510	SPACER, 8.5 ID X 13.0 OD	4	
C	22506182	BRACKET, CANOPY SUPPORT	2	
D	96728431	NUT, NYLOC M08-1.25	8	
E	36797652	SCREW, TAPPING M06-1.0 X 12	6	
F	22480396	SUPPORT, GAS SPRING	2	
G	22501282	WASHER, NYLON	4	
H	96748140	SCREW, SOC HEX M10-1.5 X 60	2	
J	36881886	NUT, HEX FLANGE M08-1.25	2	
K	96704614	NUT, LOCK HEX M10-1.5	2	
L	35337328	STUD, BALL M08-1.25	2	
M	22584437	SPRING, GAS	2	
N	22413165	BUMPER, LEFT SIDE REAR	1	
P	54721212	RIVET, 3/16" X 5/8" ALUMINUM	8	
Q	22423354	BUMPER, RIGHT SIDE REAR	1	

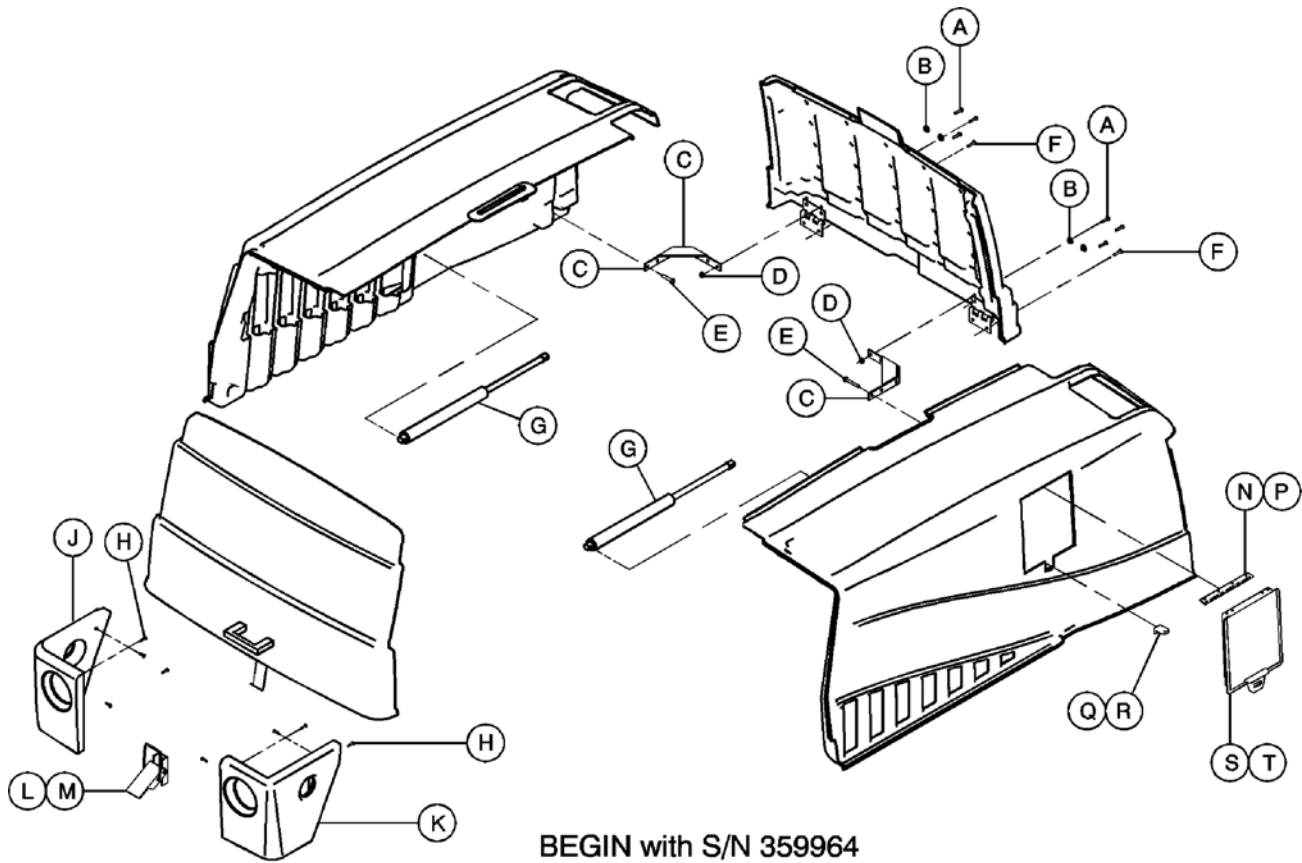
ENCLOSURE COMPLETE BEGIN with S/N 359964



22546980_028b_10/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96741129	SCREW, HEX SOC BUTN HD M08-1.26 X 30	4	
B	22517510	SPACER, 8.5 ID X 13.0 OD	4	
C	22506182	BRACKET, CANOPY SUPPORT	2	
D	96728431	NUT, NYLOC M08-1.25	8	
E	36797652	SCREW, TAPPING M06-1.0 X 12	6	
F	96741129	SCREW, HEX SOC BUTN HD M08-1.26 X 30	4	Prior to S/N 353688
	22538490	SCREW, TAPPING M08-1.35 X 20	4	Begin w/ S/N 353688
G	22584437	SPRING, GAS	2	Prior to S/N 358363
	22664577	SPRING, GAS	2	Begin w/ S/N 358363
H	54721212	RIVET, 3/16" X 5/8" ALUMINUM	8	Prior to S/N 358698
	22646137	RIVET, 3/16" DIA	8	Begin w/ S/N 358698
J	22413165	BUMPER, LEFT SIDE REAR	1	

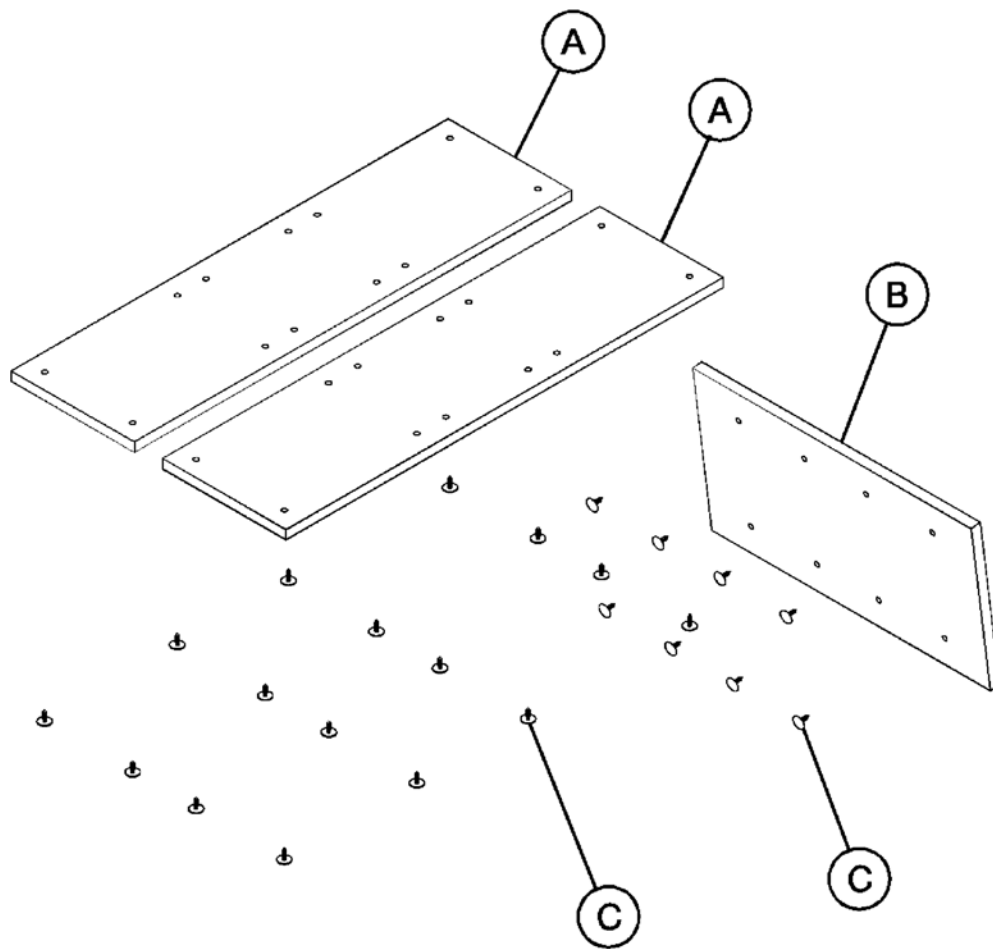
ENCLOSURE COMPLETE BEGIN with S/N 359964



22546980_028b_10/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	22423354	BUMPER, RIGHT SIDE REAR	1	
L	92923531	LATCH, CANOPY	1	
M	36843282	RIVET, .19 DIA	2	
N	54721212	RIVET, 3/16" X 5/8" ALUMINUM	4	Prior to S/N 358698
	22646137	RIVET 3/16 DIA	4	Begin w/ S/N 358698
P	22493035	HINGE, CONTROL PANEL SPRING	1	Prior to S/N 359964
	22621627	HINGE, CONTROL PANEL SPRING	1	Begin w/ S/N 359964
Q	54721212	RIVET, 3/16" X 5/8" ALUMINUM	2	
R	22455448	LATCH, INSTRUMENT PANEL DOOR	1	
S	22545719	DOOR, INSTRUMENT PANEL	1	
T	54721220	RIVET, 3/16" X 7/16" ALUMINUM	4	

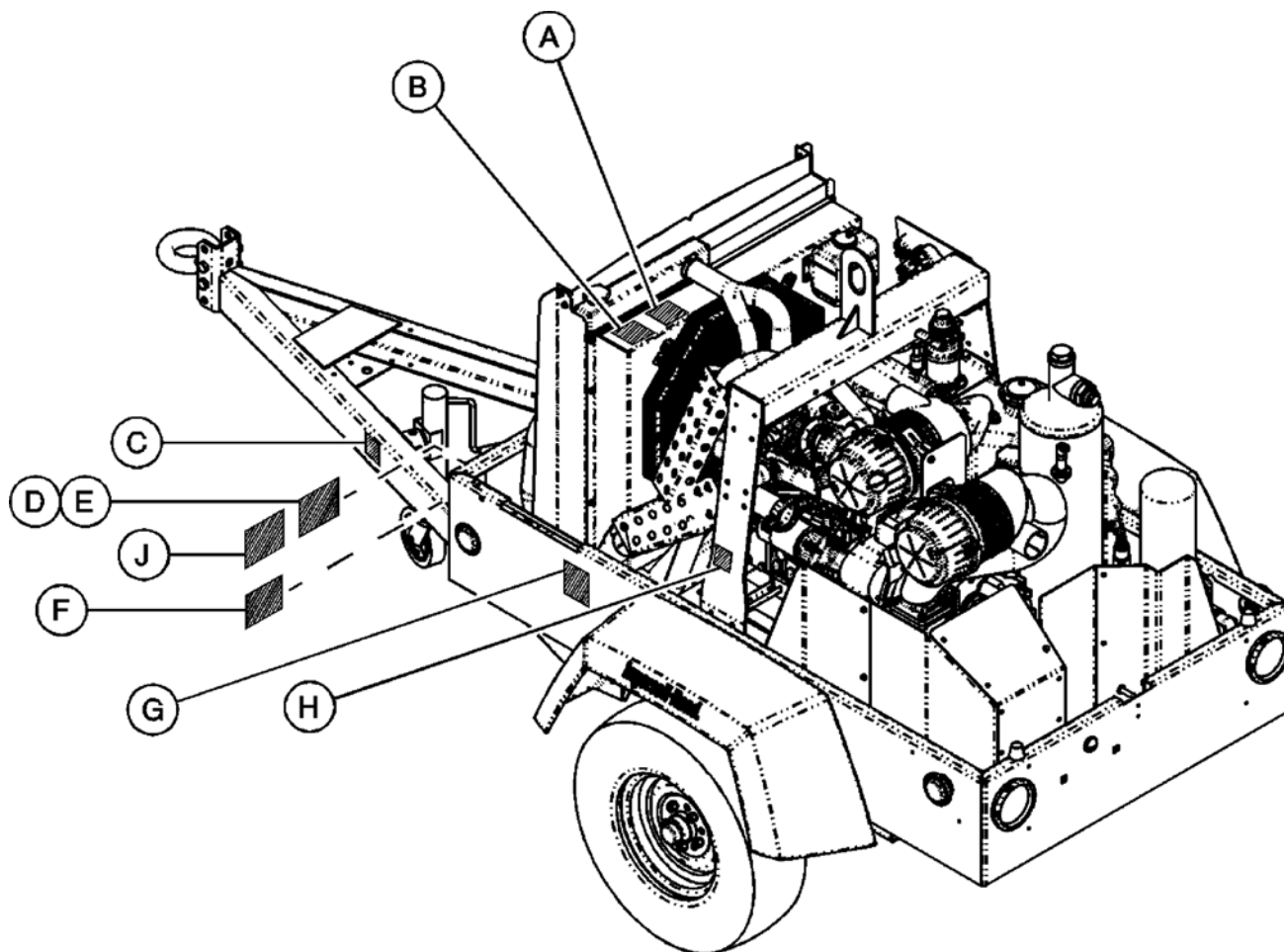
FOAM INSULATION



22546980_031_1/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22605364	PANEL, ACTL ROOF	2	Prior to S/N 350306 Begin w/ S/N 350306
B	22598056	PANEL, ACTL HINGE END	1	
C	54724125	CLIP, XMAS TREE	24	
	22644793	FASTENER, XMAS TREE	24	

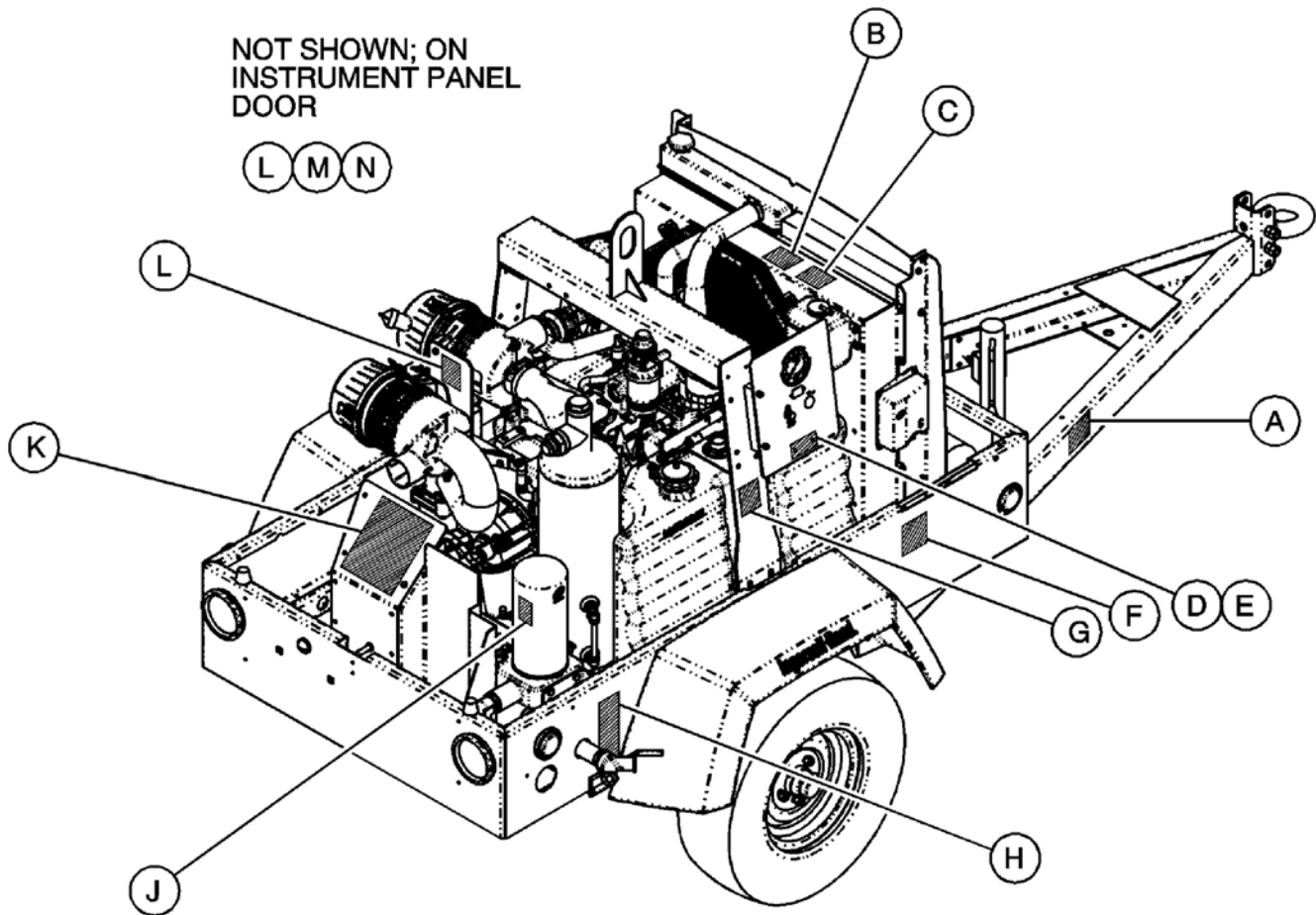
DECAL LOCATION



22546980_030_10/05_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568761	DECAL, ISO HOT PRESSURIZED FLUID	1	
B	54568779	DECA,L ISO ROTATING FAN	1	
C	54568803	DECA,L ISO COLLAPSING JACK STAND	1	
D	36531176	DECAL, V.I.N.	1	
E	36533081	DECAL, V.I.N. OVERLAY	1	
F	36514602	DECAL, NOISE EMISSIONS	1	
G	36520955	DECAL, WARNING CRUSH AREA	1	
H	54568753	DECAL, ISO COMBUSTABLE GAS	1	
J	22743777	DECAL, TIRE DATA	1	

DECAL LOCATION



22546980_031_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54604921	DECAL ISO TOWING	1	
B	54604962	DECAL ISO HOT RADIATOR FILL	1	
C	54568779	DECAL ISO ROTATING FAN	1	
D	22389886	PLATE, SERIAL NUMBER	1	
E	36920486	RIVET, SS .19 DIA	2	
F	36520955	DECAL WARNING CRUSH AREA	1	
G	54625207	DECAL ISO DIESEL FUEL	1	
H	54629944	DECAL ISO VERT 3-PART	1	
J	54568795	DECAL ISO HIGH PRESSURE AIR	1	
K	22524284	DECAL AirSource IR WIRING	1	
L	54454756	DECAL CAUTION NO ETHER	2	
M	54568787	DECAL ISO IMPROPER OPERATION	1	
N	22610737	DECAL AirSource OPERATION	1	

Section C - ENGINE PARTS



UPPER GASKET SET

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22546980_eng01_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

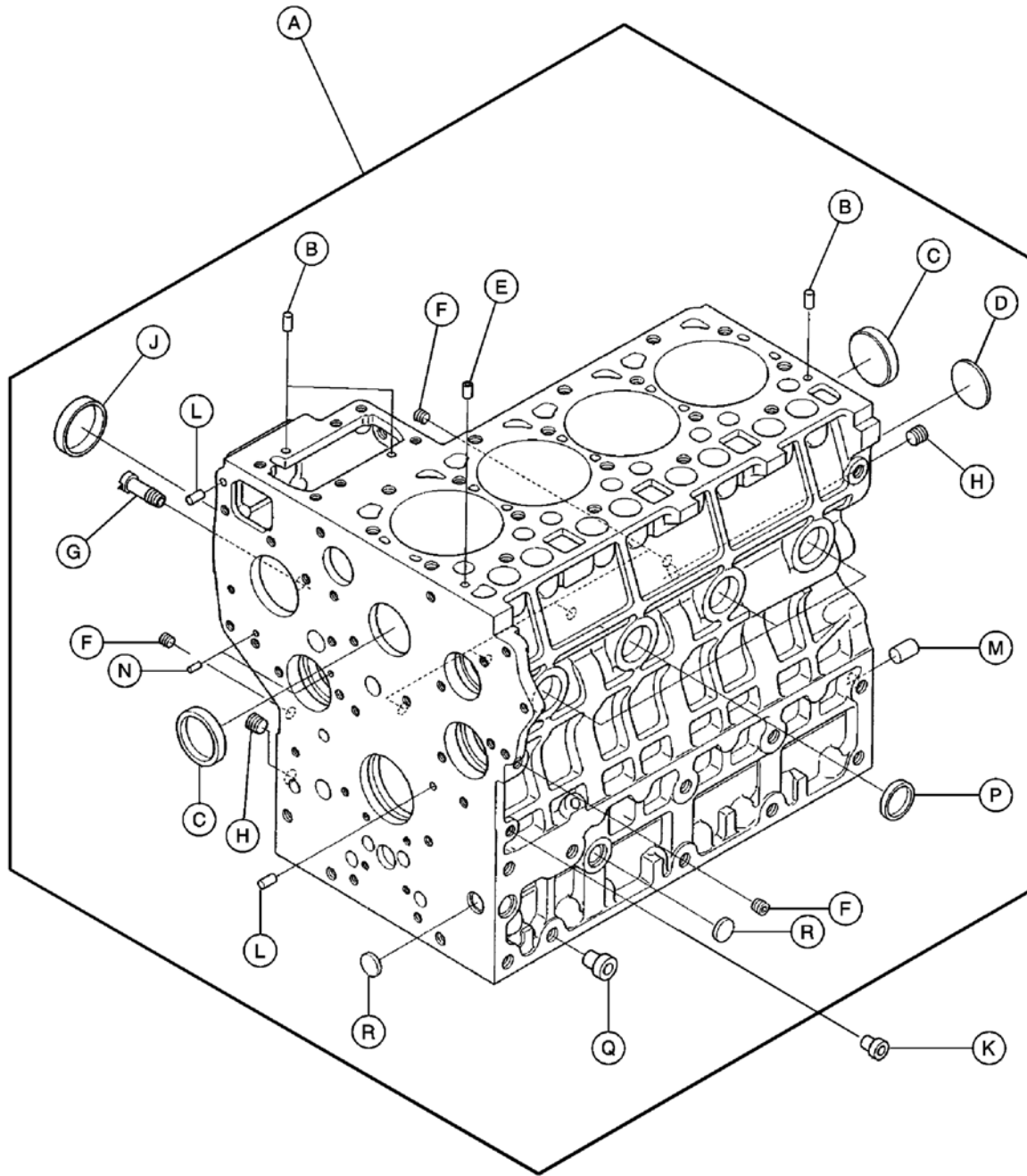
LOWER GASKET SET

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22546980_eng01_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

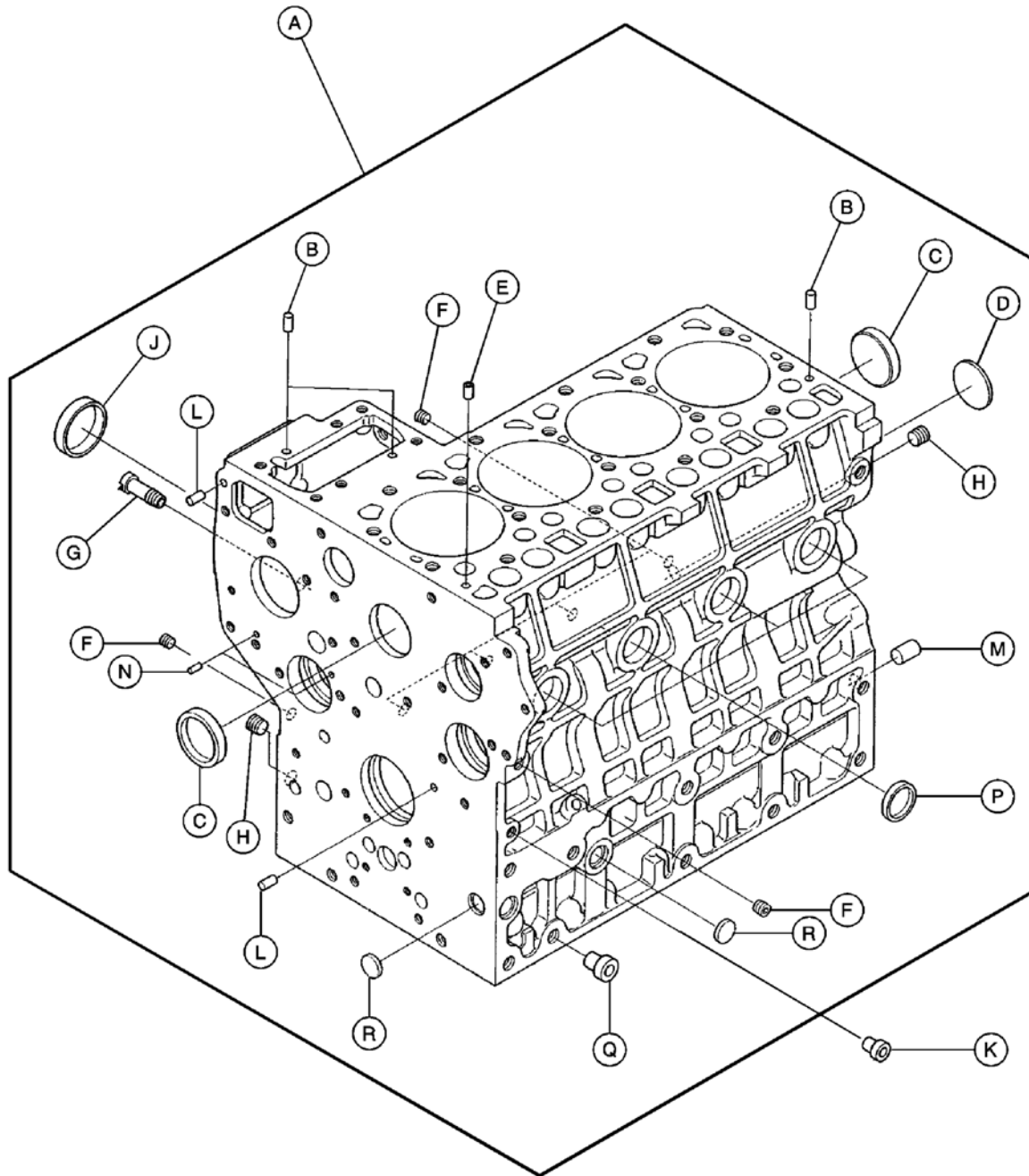
CRANKCASE ASSEMBLY



22546980_eng03_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22568190	CRANKCASE COMPLETE	1	
B	22594782	PIN, STRAIGHT	3	
C	22586556	CAP, SEALING	1	
D	22587414	PLUG, EXPANSION	1	
E	22586697	PIN, PIPE	1	
F	22587034	PLUG	6	
G	22595185	CAP, SEALING	1	
H	22587042	PLUG	2	
J	22595078	PIPE, WATER RETURN	1	

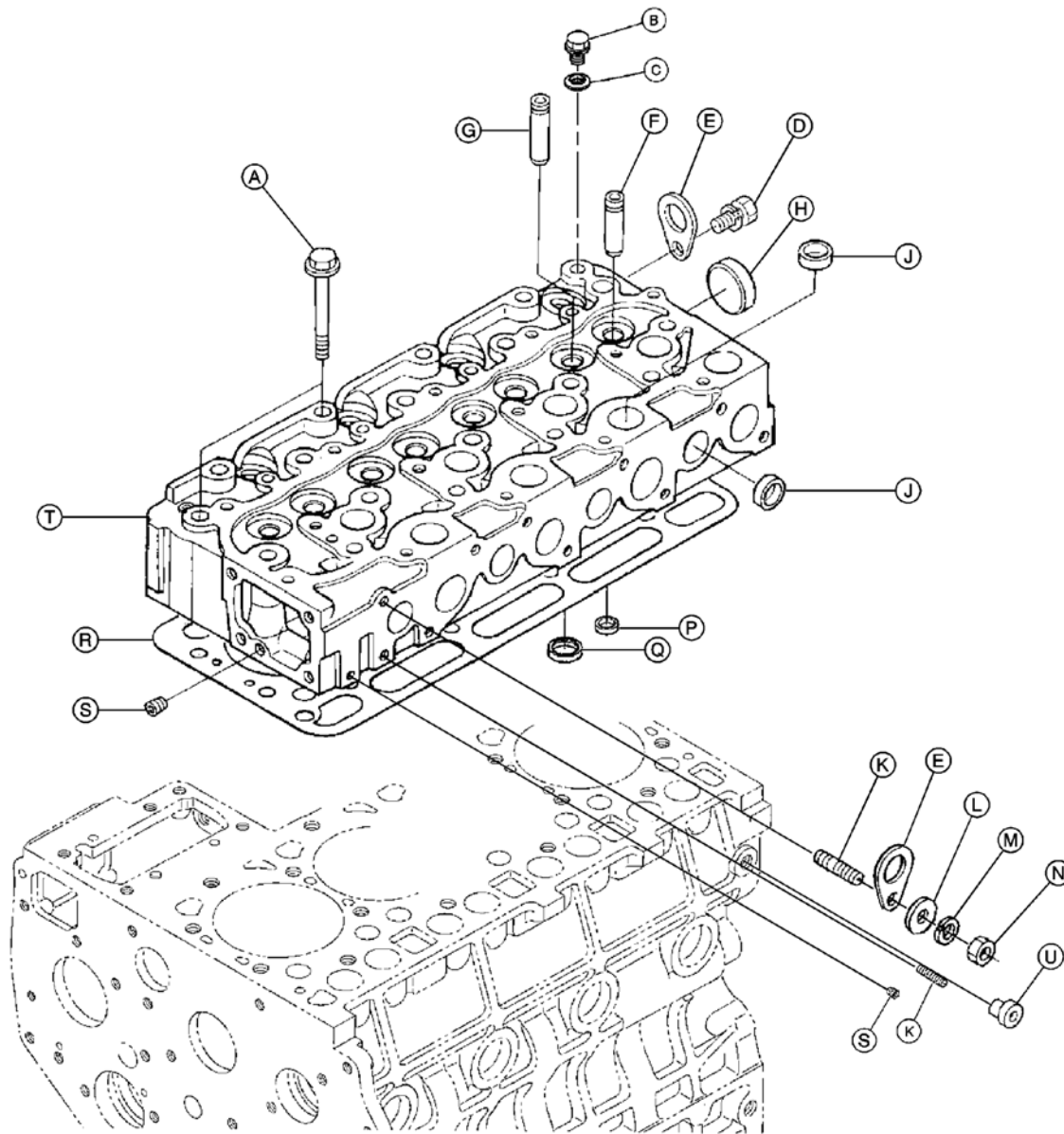
CRANKCASE ASSEMBLY



22546980_eng03_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	22595813	PLUG	1	
L	22594790	PIN, STRAIGHT	2	
M	22594808	PIN, STRAIGHT	1	
N	22594774	PIN, STRAIGHT	2	
P	22586549	CAP, SEALING	6	
Q	22589220	PLUG	2	
R	22587646	PLUG, EXPANSION	3	

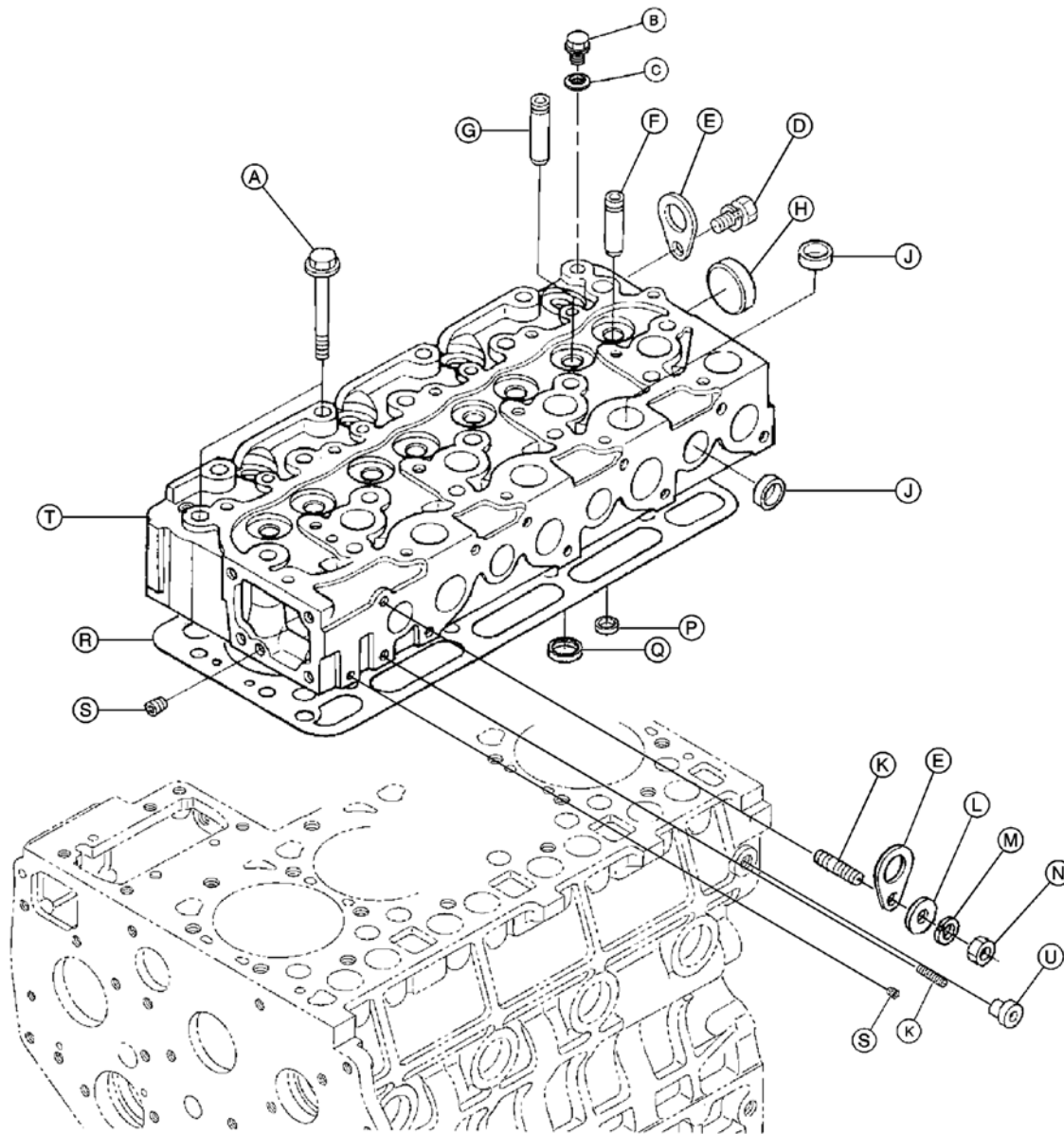
CYLINDER HEAD ASSEMBLY



22546980_eng04_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22568034	BOLT, CYLINDER HEAD	18	L=16
B	22595011	PLUG	1	
C	22594667	WASHER, RUBBER INSERT	1	
D	22594337	BOLT	1	
E	22586523	HOOK, ENGINE	2	
F	22595342	GUIDE, EXHAUST VALVE	4	
G	22587570	GUIDE, INLET VALVE	4	
H	22586572	CAP, SEALING	1	
J	22586531	CAP, SEALING	12	
K	22586929	STUD	2	
L	22594592	WASHER, PLAIN	1	
M	22594634	WASHER, SPRING LOCK	1	

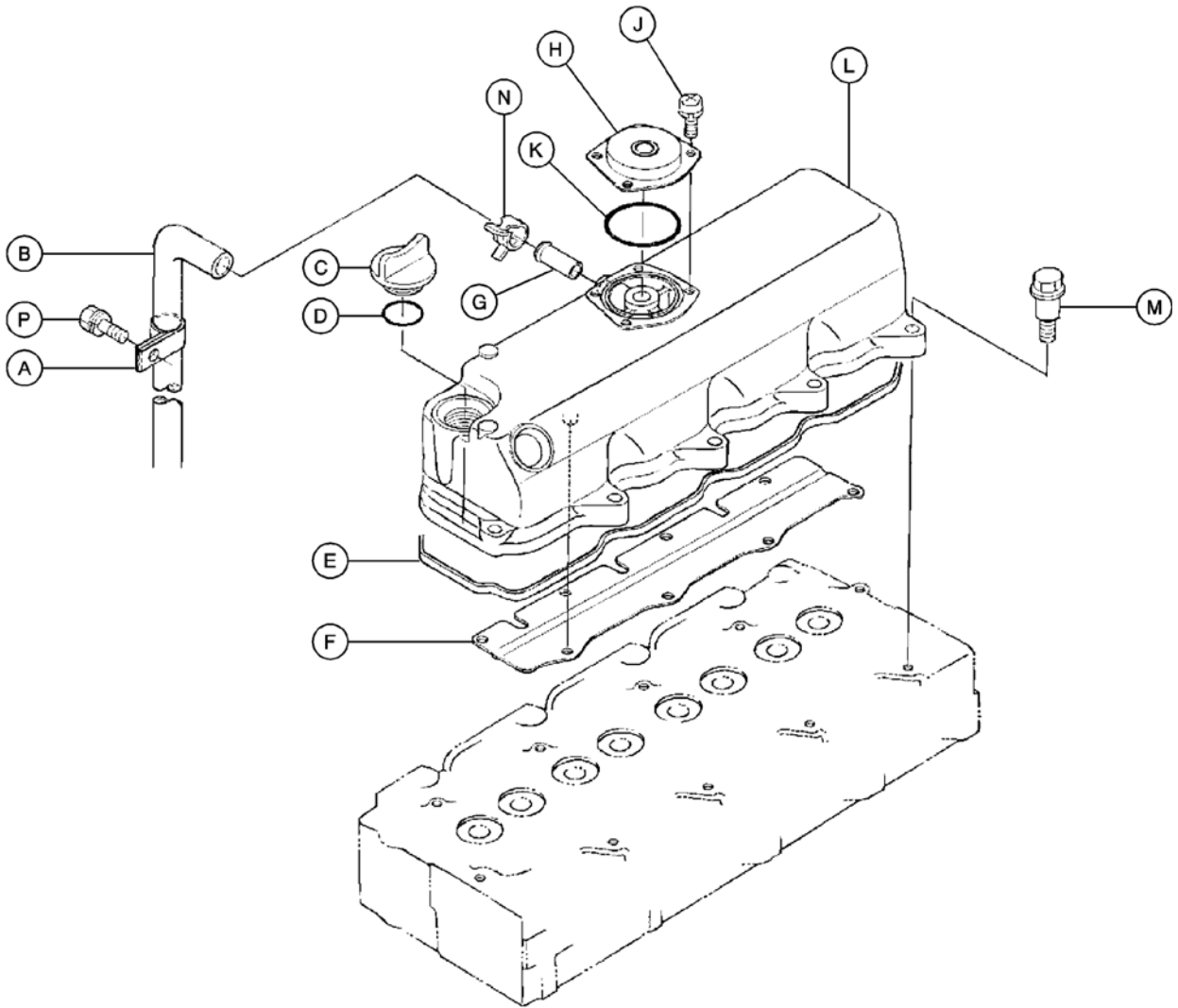
CYLINDER HEAD ASSEMBLY



22546980_eng04_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	22594519	NUT	1	
P	22595193	SEAT, EXHAUST VALVE	4	
Q	22595201	SEAT, INLET VALVE	4	
R	22588412	GASKET, CYLINDER HEAD	1	t=1.15mm
	22568265	GASKET, CYLINDER HEAD	1	t=1.20mm
	22568273	GASKET, CYLINDER HEAD	1	t=1.25mm
	22588420	GASKET, CYLINDER HEAD	1	t=1.30mm
	22588438	GASKET, CYLINDER HEAD	1	t=1.35mm
S	22586796	PLUG	2	
T	22568257	CYLINDER HEAD ASSEMBLY	1	INCLUDES ITEMS F-J, Q & S
U	96746334	ADAPTER, OIL PRESSURE SWITCH	1	

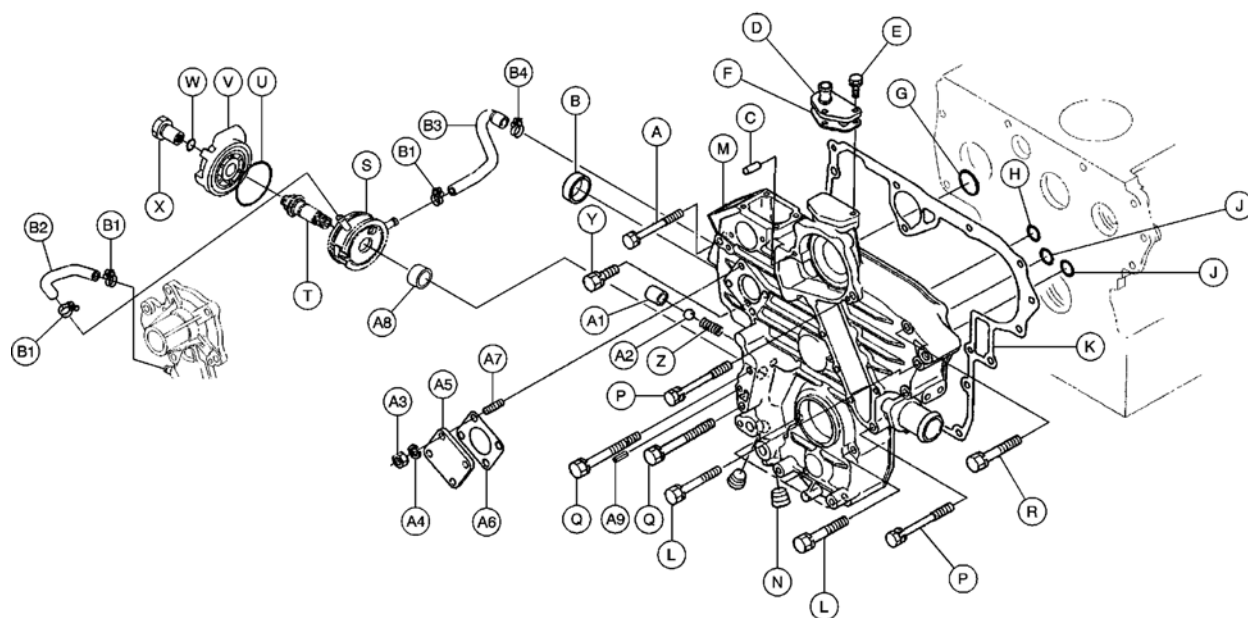
VALVE COVER



22546980_eng05_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22588099	CLAMP, BREATHER TUBE	1	INCLUDES ITEMS F-K
B	22588941	TUBE, BREATHER	1	
C	22567903	PLUG, OIL FILLER	1	
D	22567820	O RING	1	
E	22568331	GASKET, VALVE COVER	1	
F	22588818	SHIELD, BREATHER	1	
G	22587612	PIPE, WATER RETURN	1	
H	22595516	COVER, BREATHER	1	
J	22594576	SCREW, WITH WASHER M05-0.8 X 10	4	
K	22588933	O RING, BREATHER	1	
L	22588404	VALVE COVER ASSEMBLY	1	
M	22588909	BOLT	10	
N	22586382	CLAMP, HOSE	1	
P	22567788	BOLT, HEX M08-1.25 X 22	1	

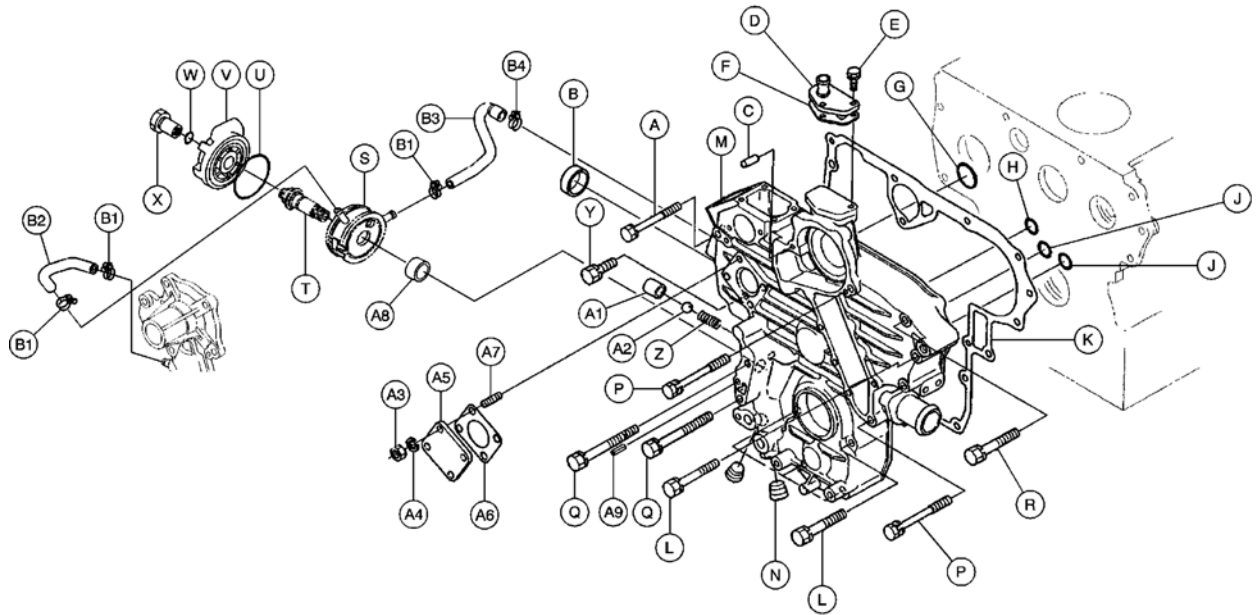
GEAR CASE



22546980_eng06_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22587620	BOLT	1	includes item N
B	22595029	CAP, SEALING	1	
C	22594790	PIN, STRAIGHT	2	
D	22587018	FLANGE, WATER RETURN	1	
E	22594162	BOLT, HEX M06-1.0 X 20	3	
F	22587927	GASKET, RETURN FLANGE	1	
G	22594758	O-RING	1	
H	22594725	O-RING	1	
J	22594741	O-RING	2	
K	22568067	GASKET, GEAR CASE	1	
L	22594303	BOLT, HEX M08-1.25 X 70	7	
M	22595409	GEAR CASE COMPLETE	1	
N	22587406	PLUG	2	
P	22587638	BOLT	2	
Q	22594360	BOLT, HEX M08-1.25 X 110	2	
R	22594386	BOLT, HEX M08-1.25 X 80	2	
S	22588362	OIL COOLER ASSEMBLY	1	
T	22588354	CONNECTOR	1	

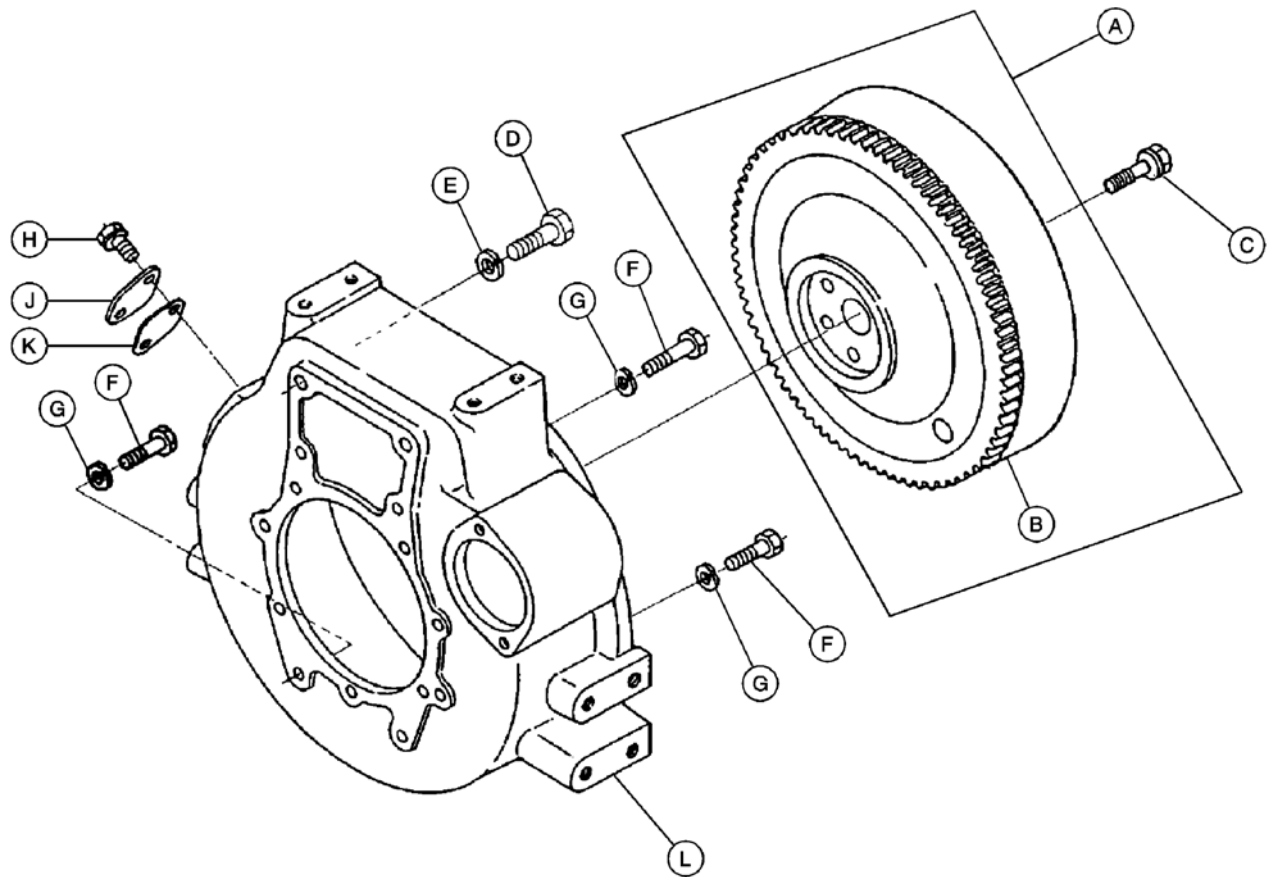
GEAR CASE



22546980_eng06_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
U	22568059	O-RING	1	
V	22568208	ADAPTER, REMOTE OIL FILL	1	
W	22567812	O-RING	1	
X	22595417	PLUG, OIL FILTER	1	
Y	22594279	BOLT, HEX M08-1.25 X 35	1	
Z	22586770	SPRING	1	
A1	22586994	SEAT, VALVE	1	
A2	22586374	BALL	1	
A3	22594493	NUT	4	
A4	22594626	WASHER, SPRING LOCK	4	
A5	22586762	COVER	1	
A6	22595524	GASKET, HOUR METER	1	
A7	22586754	STUD	4	
A8	22588370	COLLAR	1	
A9	22594832	PIN, SPRING	1	
B1	22595151	BAND, PIPE	3	
B2	22595466	HOSE, OIL COOLER	1	
B3	22595326	HOSE, OIL COOLER	1	
B4	22586390	CLAMP, HOSE	1	

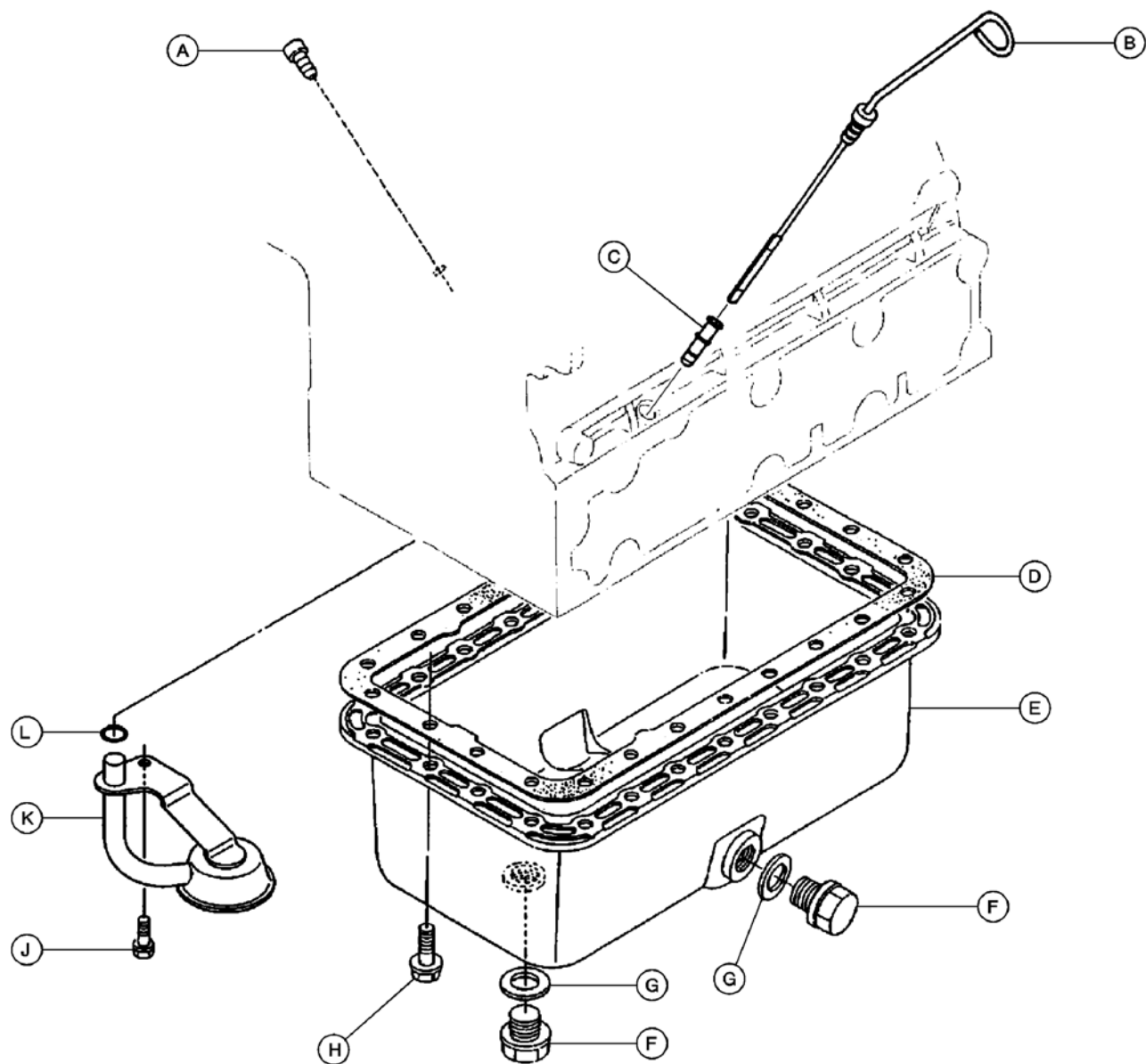
FLYWHEEL



22546980_eng07_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22587547	FLYWHEEL COMPLETE	1	
B	22595128	GEAR, RING	1	
C	22586820	BOLT, FLYWHEEL	6	
D	22594212	BOLT, M12-1.25 X 50	2	
E	22594659	WASHER, SPRING LOCK	2	
F	22594204	BOLT, M10-1.25 X 32	11	
G	22594642	WASHER, SPRING LOCK	11	
H	22594337	BOLT, M08-1.25 X 16	2	
J	22595102	COVER	1	
K	22595110	GASKET, COVER		
L	22588339	HOUSING, FLYWHEEL	1	

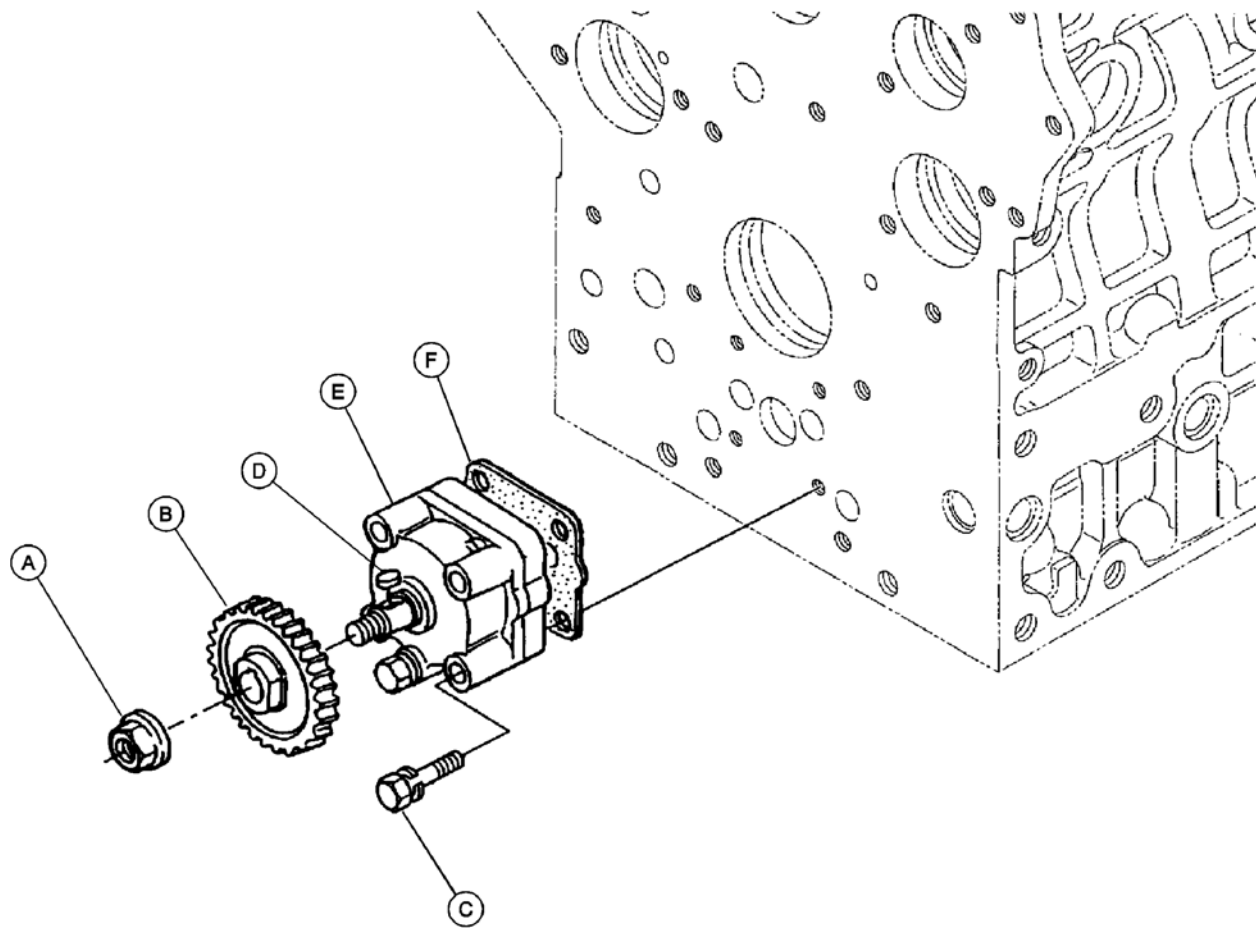
OIL PAN



22546980_eng08_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22568224	PLUG, DIPSTICK HOLE	1	
B	22568232	DIPSTICK	1	
C	22568026	GUIDE, DIPSTICK	1	
D	22568240	GASKET, OIL PAN	1	
E	22587653	OIL PAN	1	
F	22567887	PLUG, DRAIN	2	
G	22567861	GASKET, OIL PLUG	2	
H	22568000	BOLT, FLANGE	24	
J	22594311	BOLT	1	
K	22588644	SUMP, OIL	1	
L	22594733	O-RING	1	

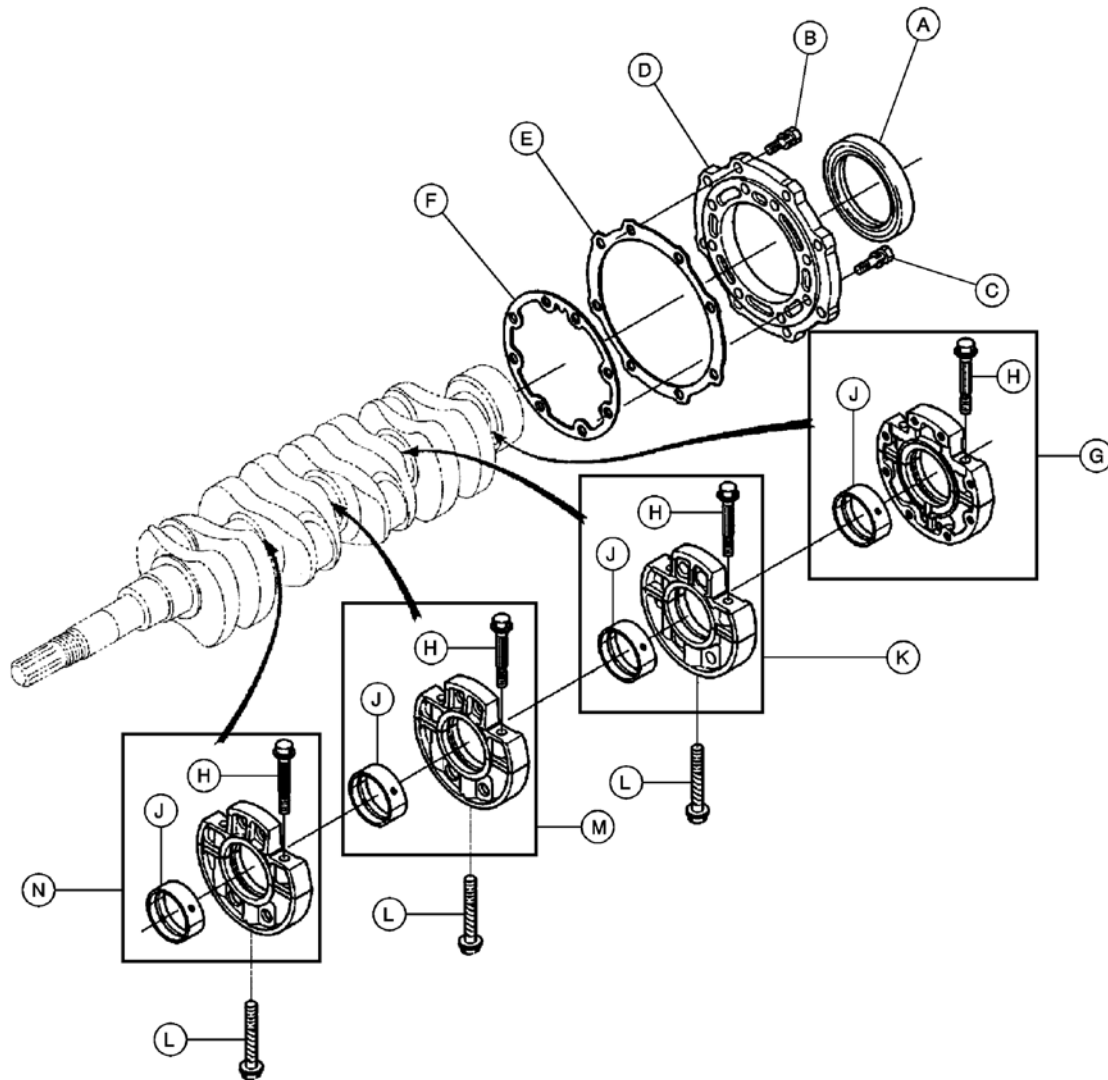
OIL PUMP



22546980_eng09_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22586705	NUT, FLANGE	1	
B	22587729	GEAR, OIL PUMP DRIVE	1	
C	22594188	BOLT, M06-1.0 X 50	4	
D	22594840	KEY, FEATHER	1	
E	22588313	PUMP ASSEMBLY, OIL	1	
F	22587794	GASKET, OIL PUMP	1	

CRANKSHAFT BEARINGS



22546980_eng10_2/05_A

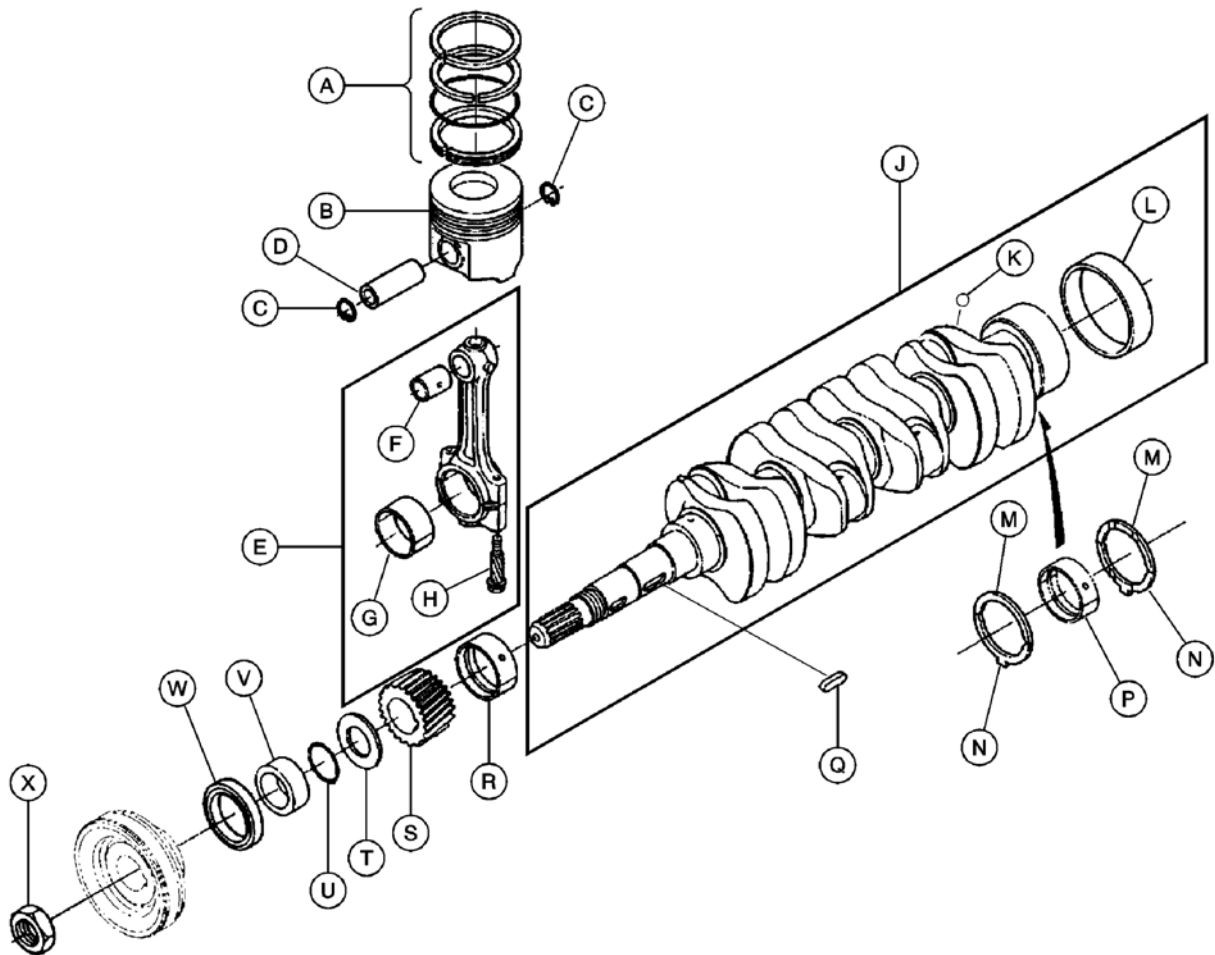
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22588784	SEAL, OIL	1	STD SET -0.20mm SET -0.40mm SET
B	22567796	BOLT, M08-1.25 X 25	8	
C	22594253	BOLT, M08-1.25 X 28	8	
D	22588669	COVER, BEARING CASE	1	
E	22588081	GASKET, CASE COVER	1	
F	22588065	GASKET, BEARING CASE	1	
G	22587976	CASE ASSEMBLY, WHEEL BEARING	1	
H	22588073	BOLT, BEARING CASE	8	
J	22588198	METAL, CRANKSHAFT	4	
	22588222	METAL, CRANKSHAFT	4	
	22588230	METAL, CRANKSHAFT	4	
K	22588123	CASE ASSEMBLY, MAIN BEARING	1	
L	22587067	BOLT, BEARING CASE	3	
M	22588115	CASE ASSEMBLY, MAIN BEARING	1	
N	22588107	CASE ASSEMBLY, MAIN BEARING	1	

This exploded view diagram illustrates the assembly of a mechanical component, likely a valve or actuator. The components are labeled as follows:

- A:** A coiled spring.
- B:** A cylindrical housing or cap.
- C:** A small pin or screw.
- D:** A small cylindrical pin or plug.
- E:** A bracket or support plate.
- F:** A small pin or screw.
- G:** A small cylindrical pin or plug.
- H:** A small cylindrical pin or plug.
- I:** A large, complex mechanical component, possibly a valve or actuator.
- J:** A long, cylindrical component, possibly a shaft or rod.
- K:** A small pin or screw.
- L:** A small cylindrical pin or plug.
- M:** A small cylindrical pin or plug.
- N:** A small cylindrical pin or plug.
- O:** A small cylindrical pin or plug.
- P:** A small cylindrical pin or plug.
- Q:** A small cylindrical pin or plug.
- R:** A small cylindrical pin or plug.
- S:** A small cylindrical pin or plug.
- T:** A small cylindrical pin or plug.
- U:** A small cylindrical pin or plug.
- V:** A small cylindrical pin or plug.
- W:** A small cylindrical pin or plug.
- X:** A small cylindrical pin or plug.

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22589048	PISTON RING ASSEMBLY	4	STD
	22589055	PISTON RING ASSEMBLY	4	+0.25mm
B	22595656	PISTON (00)	4	STD
	22595680	PISTON (00)	4	+0.25mm
	22595664	PISTON (05)	4	STD
	22595698	PISTON (05)	4	+0.25mm
	22595672	PISTON (10)	4	STD
	22595706	PISTON (10)	4	+0.25mm
C	22595383	RING, INTERNAL RETAINING	8	
D	22586473	PIN, PISTON	4	
E	22589139	CONNECTING ROD ASSEMBLY	4	
F	22589121	BUSHING, PISTON PIN	4	

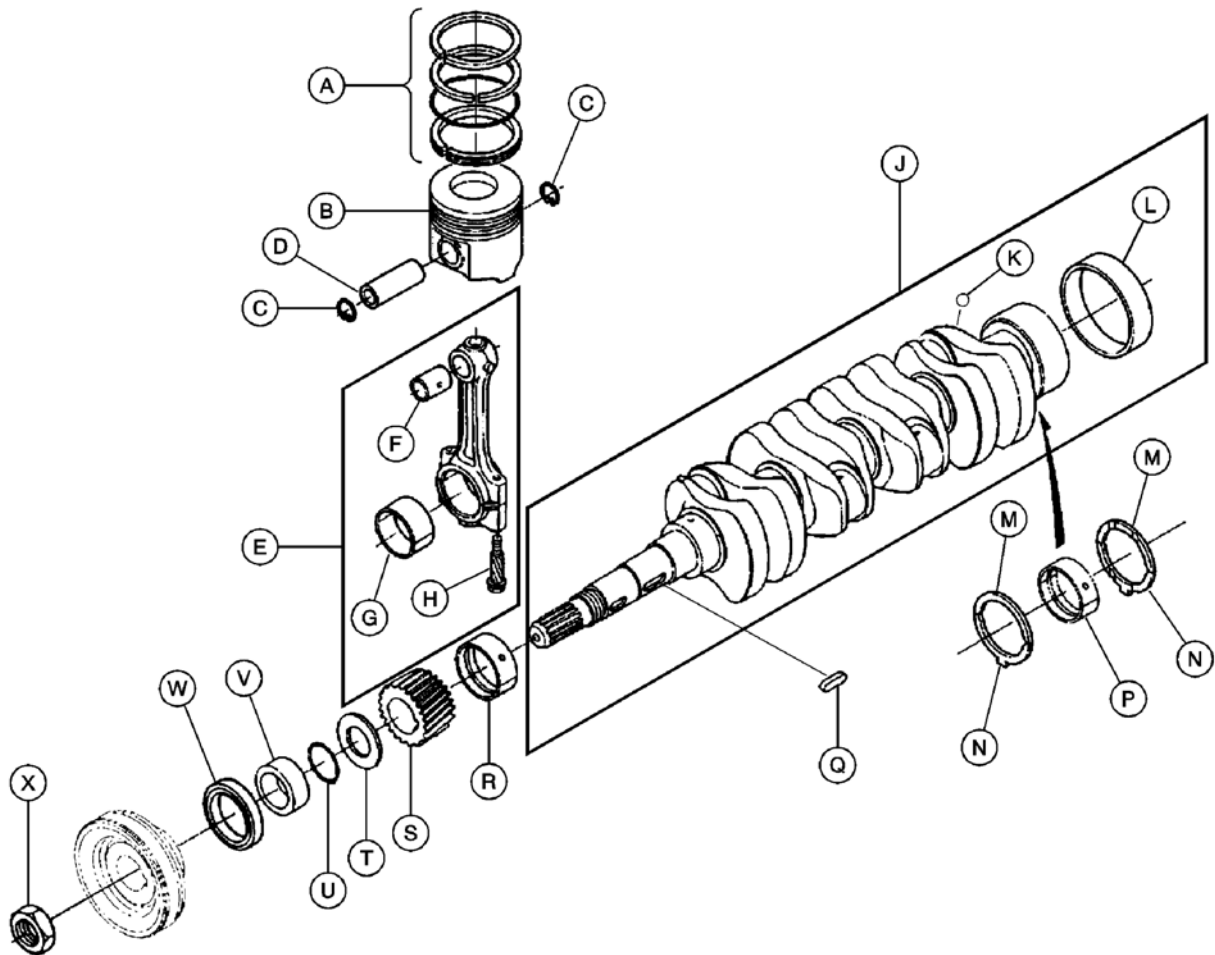
CRANKSHAFT AND PISTONS



22546980_eng11_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
G	22587562	METAL, CRANKPIN	4	STD SET
	22595227	METAL, CRANKPIN	4	-0.20mm SET
	22595235	METAL, CRANKPIN	4	-0.40mm SET
H	22586960	BOLT, CONNECTING ROD	8	
J	22588677	CRANKSHAFT COMPLETE	1	
K	22595037	BALL	4	
L	22587711	BUSHING, CRANKSHAFT	1	
M	22588248	METAL, SIDE	2	STD
	22588263	METAL, SIDE	2	+0.20mm
	22588271	METAL, SIDE	2	+0.40mm
N	22588255	METAL, SIDE	2	STD
	22588289	METAL, SIDE	2	+0.20mm
	22588297	METAL, SIDE	2	+0.40mm

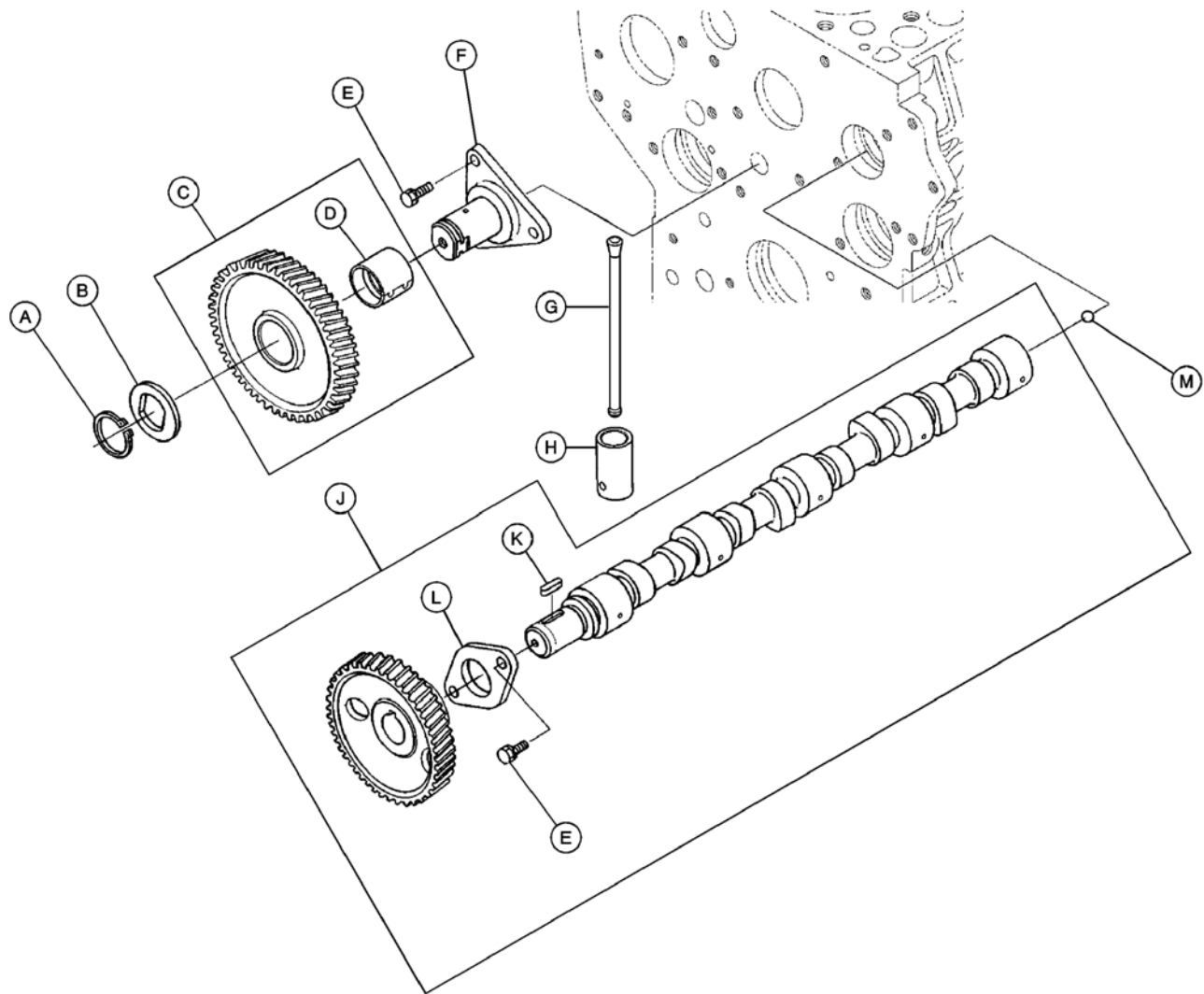
CRANKSHAFT AND PISTONS



22546980_eng11_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	22588198	METAL, CRANKSHAFT	4	STD SET
	22588222	METAL, CRANKSHAFT	4	-0.20mm SET
	22588230	METAL, CRANKSHAFT	4	-0.40mm SET
Q	22594873	KEY, FEATHER	1	
R	22588180	METAL, CRANKSHAFT	1	STD
	22588206	METAL, CRANKSHAFT	1	-0.20mm
	22588214	METAL, CRANKSHAFT	1	-0.40mm
S	22587745	GEAR, CRANKSHAFT	1	
T	22586895	SLINGER, OIL	1	
U	22594683	O RING, 29.5 X 2	1	
V	22587703	COLLAR, CRANKSHAFT	1	
W	22587695	SEAL, OIL	1	
X	22586671	NUT, CRANKSHAFT	1	

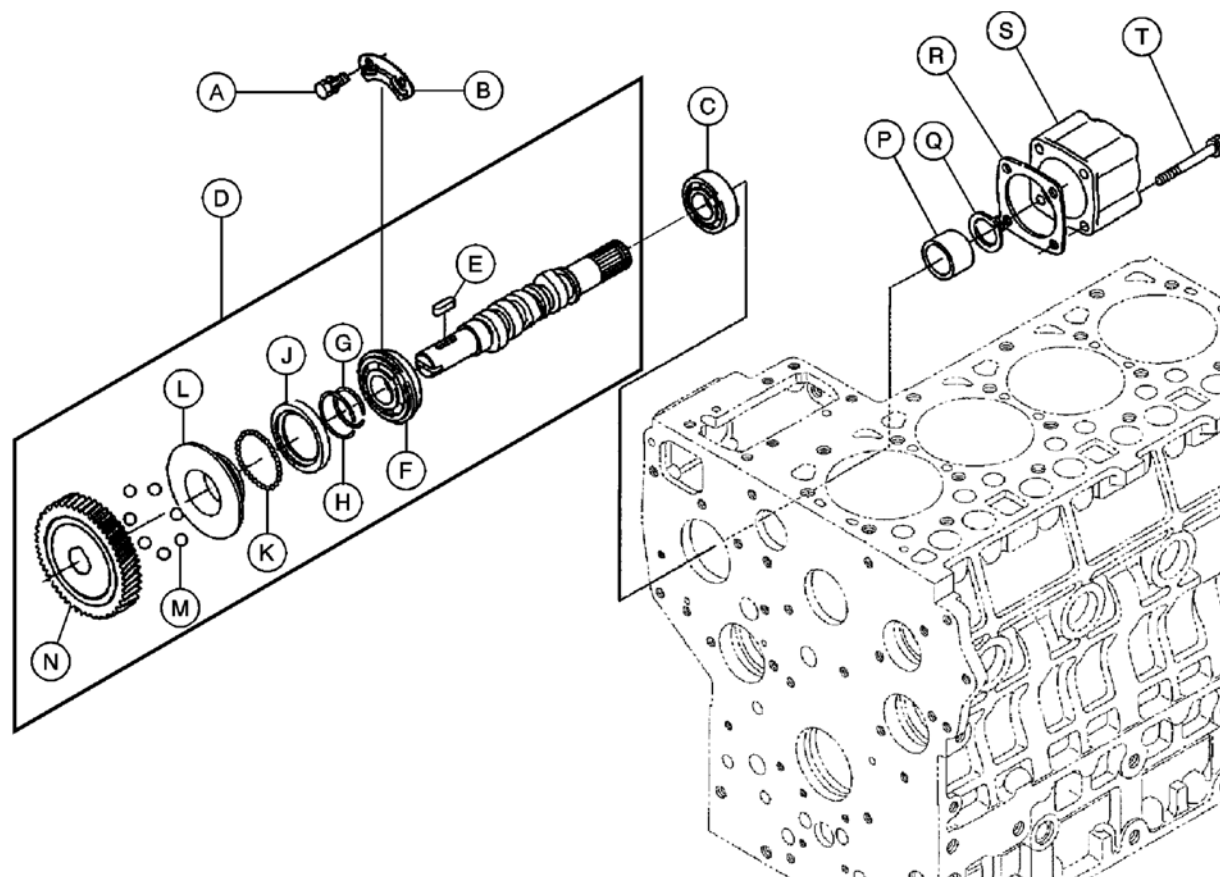
CAMSHAFT AND IDLE GEAR



22546980_eng12_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22586887	RING, EXTERNAL RETAINING	1	
B	22587760	COLLAR	1	
C	22588594	GEAR ASSEMBLY, IDLE	1	
D	22587778	BUSHING, IDLE GEAR	1	
E	22594238	BOLT, HEX M08-1.25 X 18	5	
F	22595714	SHAFT, IDLE GEAR	1	
G	22588156	ROD, PUSH	8	
H	22587075	TAPPET	8	
J	22588586	CAMSHAFT ASSEMBLY	1	
K	22594865	KEY, FEATHER	1	
L	22586663	STOPPER, CAMSHAFT	1	
M	22595037	BALL	1	

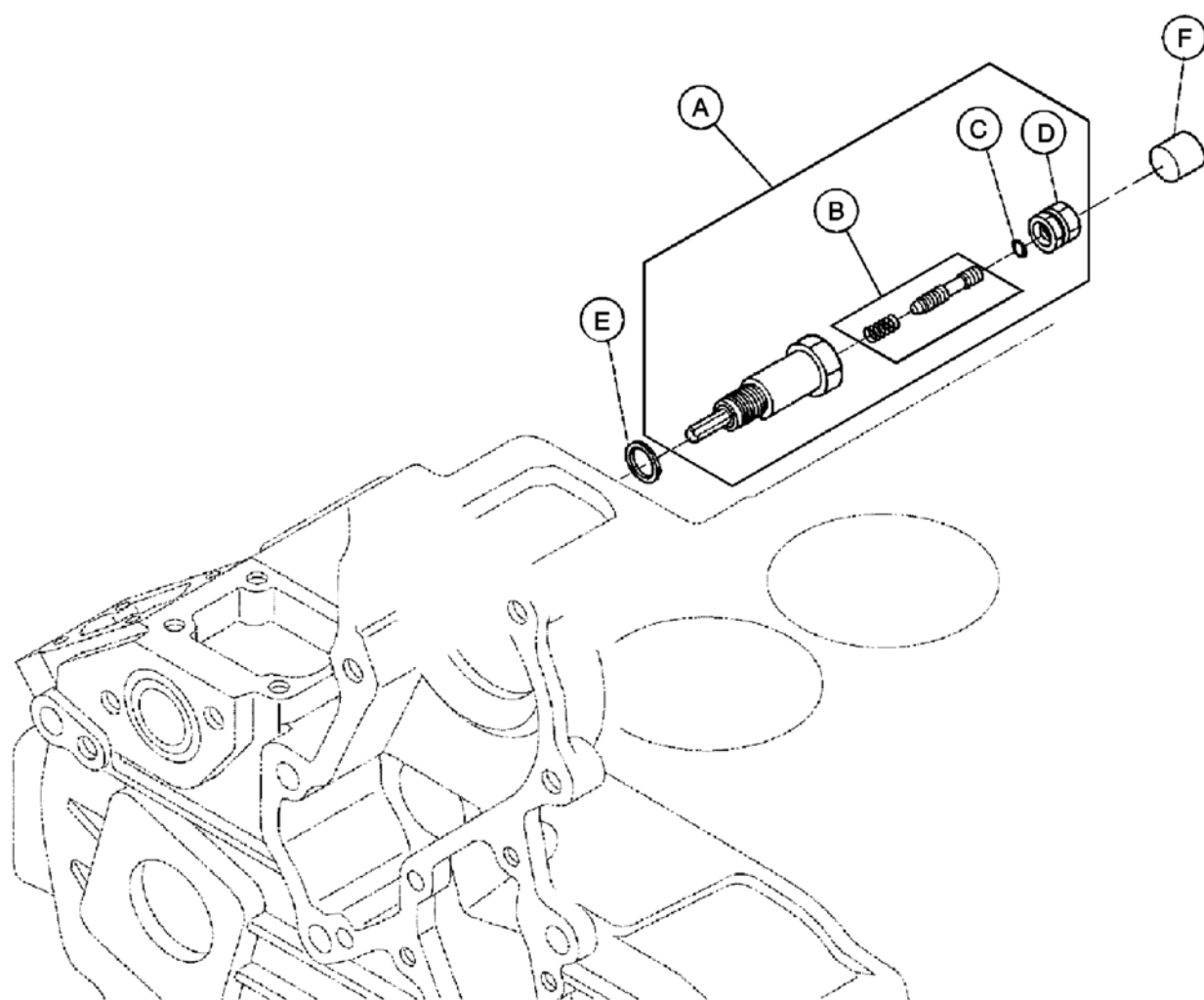
FUEL CAMSHAFT



22546980_eng13_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594311	BOLT, M08-1.25 X 14	2	
B	22588164	STOPPER, FUEL CAMSHAFT	1	
C	22588776	BEARING, BALL	1	
D	22588685	CAMSHAFT ASSEMBLY, FUEL	1	
E	22594857	KEY, FEATHER 5 X 5 X 25	1	
F	22588305	BEARING, BALL	1	
G	22586713	RING, GOVERNOR SLEEVE RETAINING	1	
H	22586721	RING, EXTERNAL RETAINING	1	
J	22587174	CASE, GOVERNOR BALL	1	
K	22586366	BALL, 3.96 mm	39	
L	22587109	SLEEVE, GOVERNOR	1	
M	22586358	BALL, 19.05 mm	7	
N	22587422	GEAR, INJECTION PUMP	1	
P	22588693	COLLAR, FUEL CAMSHAFT	1	
Q	22586937	RING, EXTERNAL RETAINING	1	
R	22587984	GASKET, FUEL CAMSHAFT COVER	1	
S	22587554	COVER, FUEL CAMSHAFT	1	
T	22594287	BOLT, M08-1.25 X 65	4	

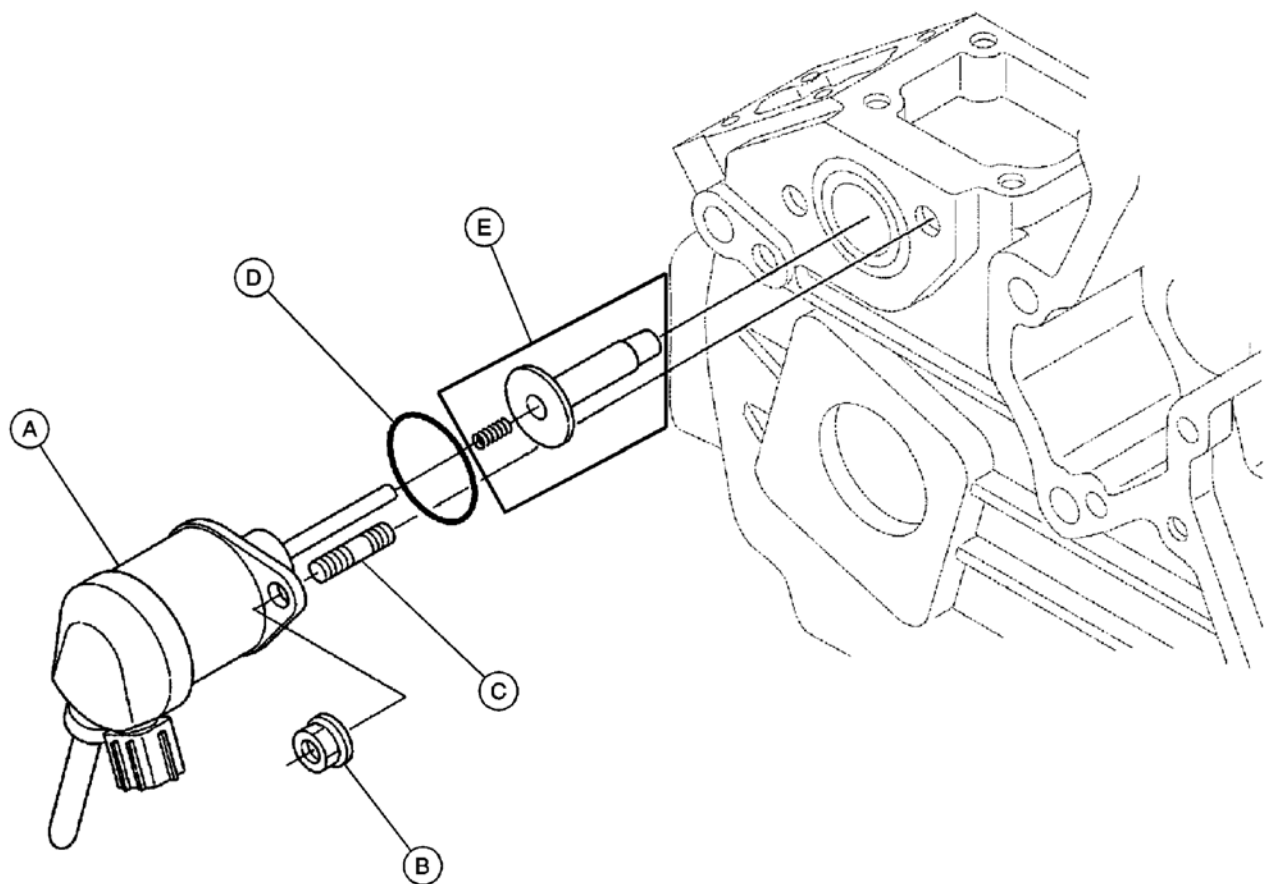
ENGINE IDLE ASSEMBLY



22546980_eng14_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22587810	APPARATUS, IDLING	1	
B	22588867	ASSEMBLY BOLT, ADJUSTMENT	1	
C	22594691	O RING	1	
D	22588917	NUT, SPRING	1	
E	22594675	GASKET	1	
F	22588875	CAP	1	

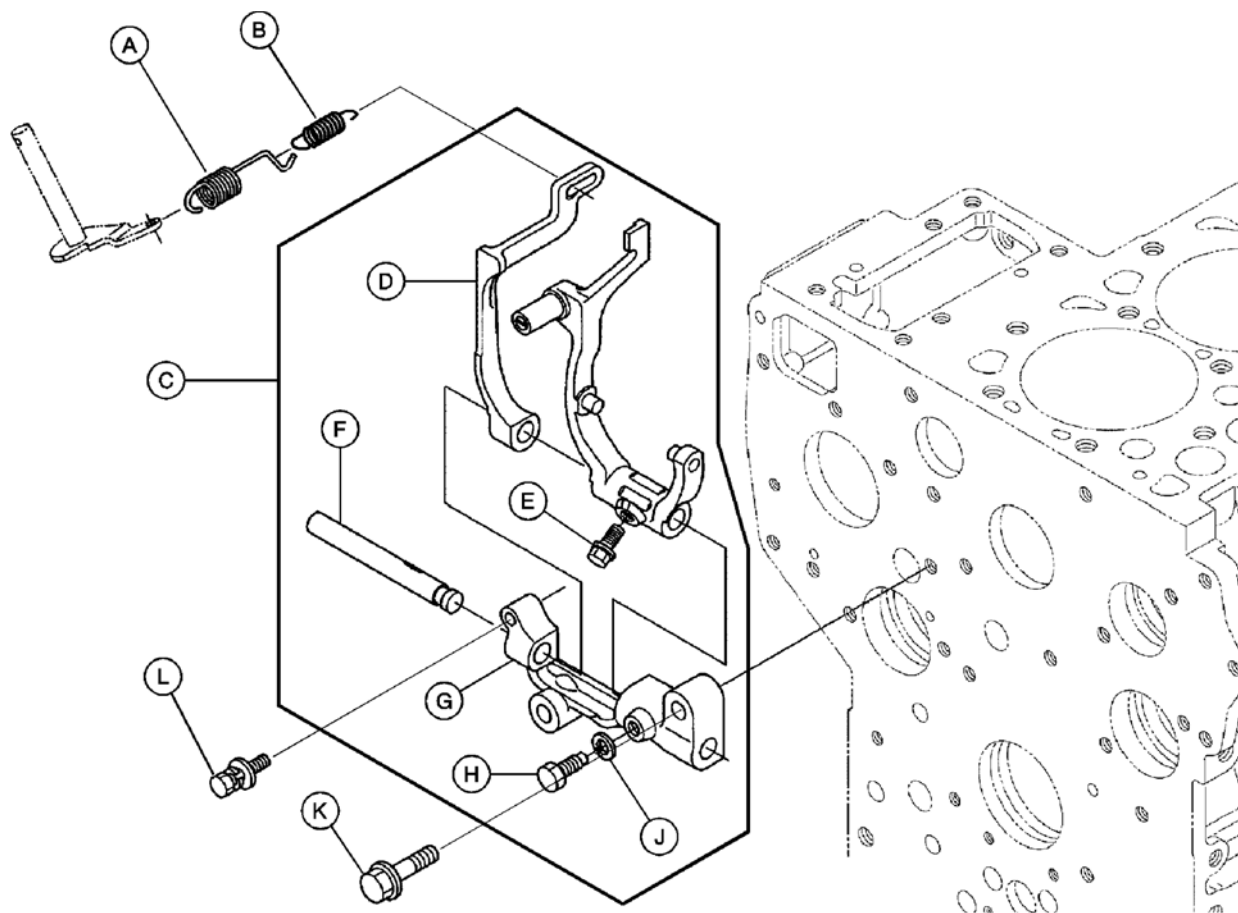
ENGINE STOP SOLENOID



22546980_eng15_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22568091	SOLENOID ASSEMBLY	1	
B	22594568	NUT, FLANGE	2	
C	22586754	STUD	2	
D	22594717	O RING	1	
E	22568075	GUIDE ASM., SOLENOID	1	

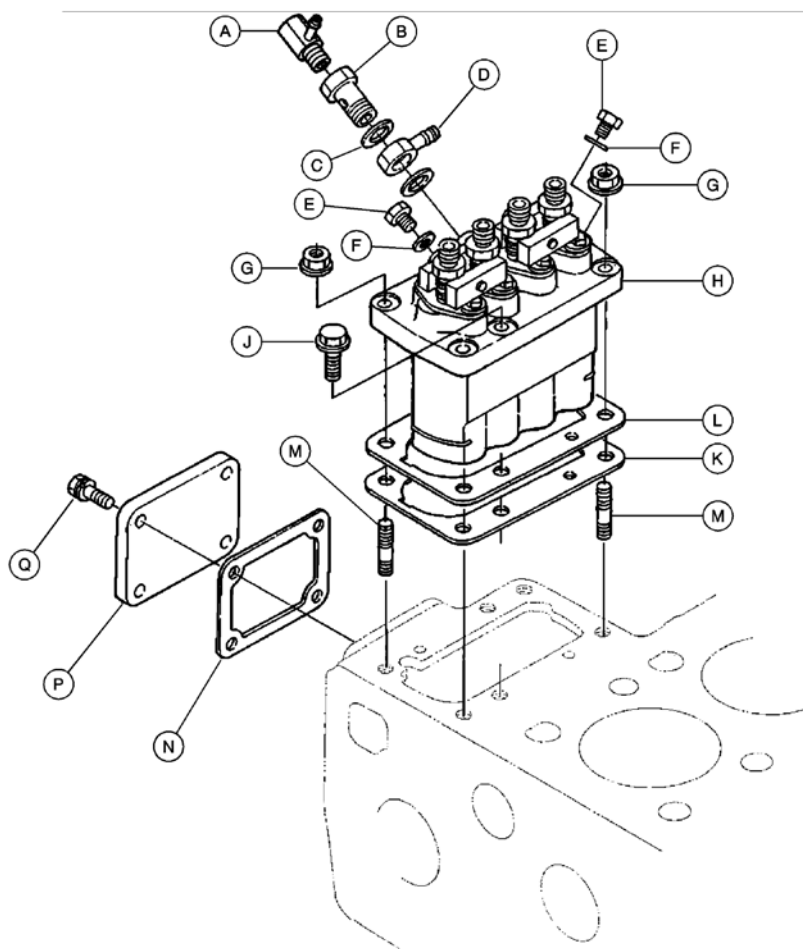
GOVERNOR



22546980_eng16_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22595292	SPRING, GOVERNOR	1	
B	22588636	SPRING, GOVERNOR	1	
C	22595748	FORK LEVER ASSEMBLY	1	
D	22587844	LEVER, FORK	1	
E	22594444	BOLT, HEX FLANGE M06-1.0 X 18	1	
F	22588883	SHAFT, FORK LEVER	1	
G	22586739	HOLDER, FORK LEVER	1	
H	22586747	BOLT	1	
J	22594626	WASHER, SPRING LOCK	1	
K	22594469	BOLT, HEX FLANGE M08-1.25 X 30	2	
L	22594196	BOLT, HEX M06-1.0 X 30	1	

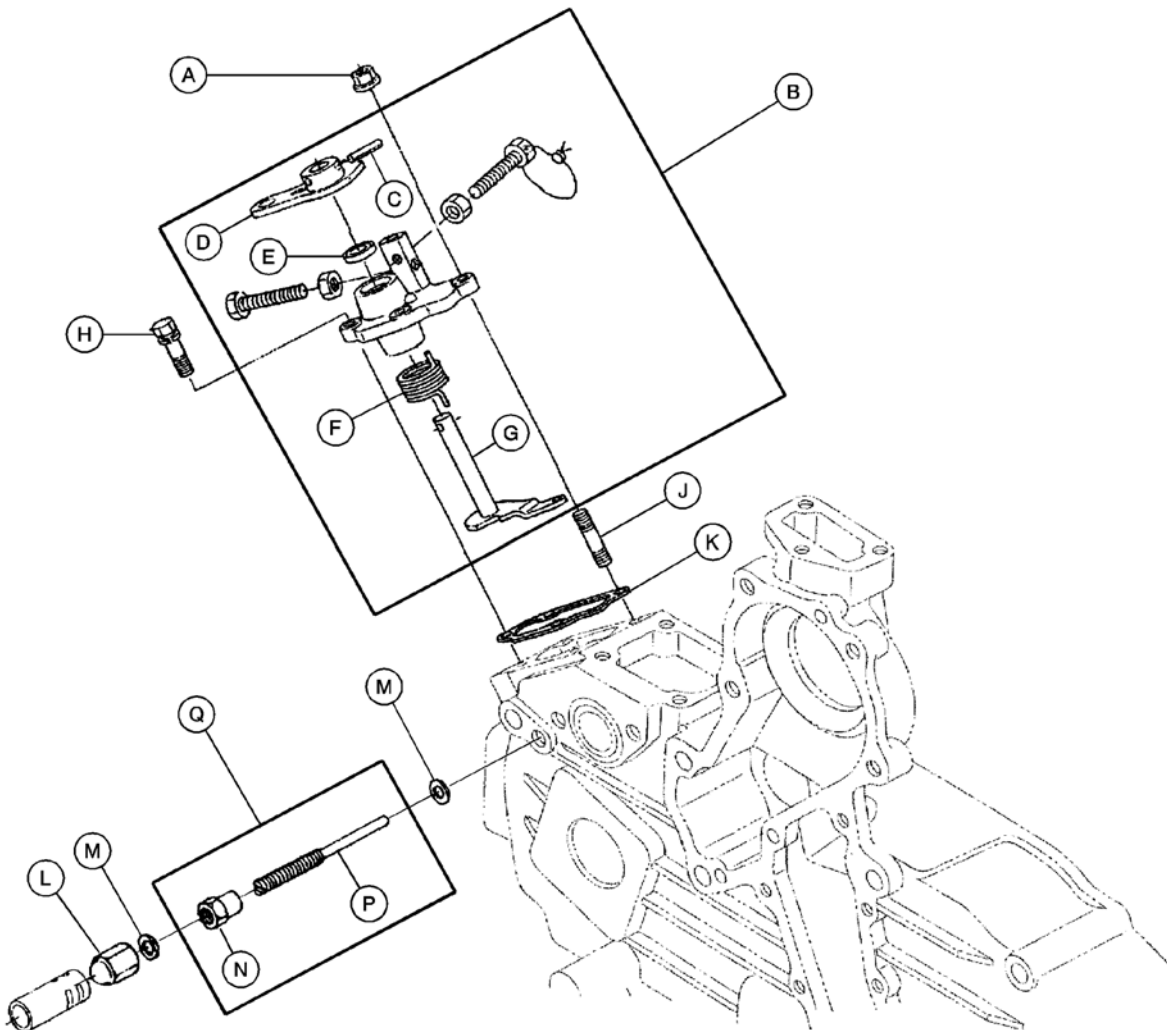
INJECTION PUMP



22546980_eng17_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22595375	ORIFICE	1	
B	22587448	BOLT, JOINT	1	
C	22586853	GASKET	2	
D	22586457	JOINT, EYE	1	
E	22586846	SCREW, AIR BLEEDER	2	
F	22586861	GASKET	2	
G	22594543	NUT, FLANGE	2	
H	22568356	INJECTION PUMP ASSEMBLY	1	
J	22594451	BOLT, HEX FLANGE M08-1.25 X 20	3	
K	22587687	SHIM, INJECTION PUMP	1	t=0.30mm
	22588495	SHIM, INJECTION PUMP	1	t=0.35mm
L	22587661	SHIM, INJECTION PUMP	1	t=0.20mm
	22587679	SHIM, INJECTION PUMP	1	t=0.25mm
M	22567853	STUD	2	
N	22568414	GASKET, PUMP COVER	1	
P	22588008	COVER, INJECTION PUMP	1	
Q	22594139	BOLT, HEX M06-1.0 X 16	4	

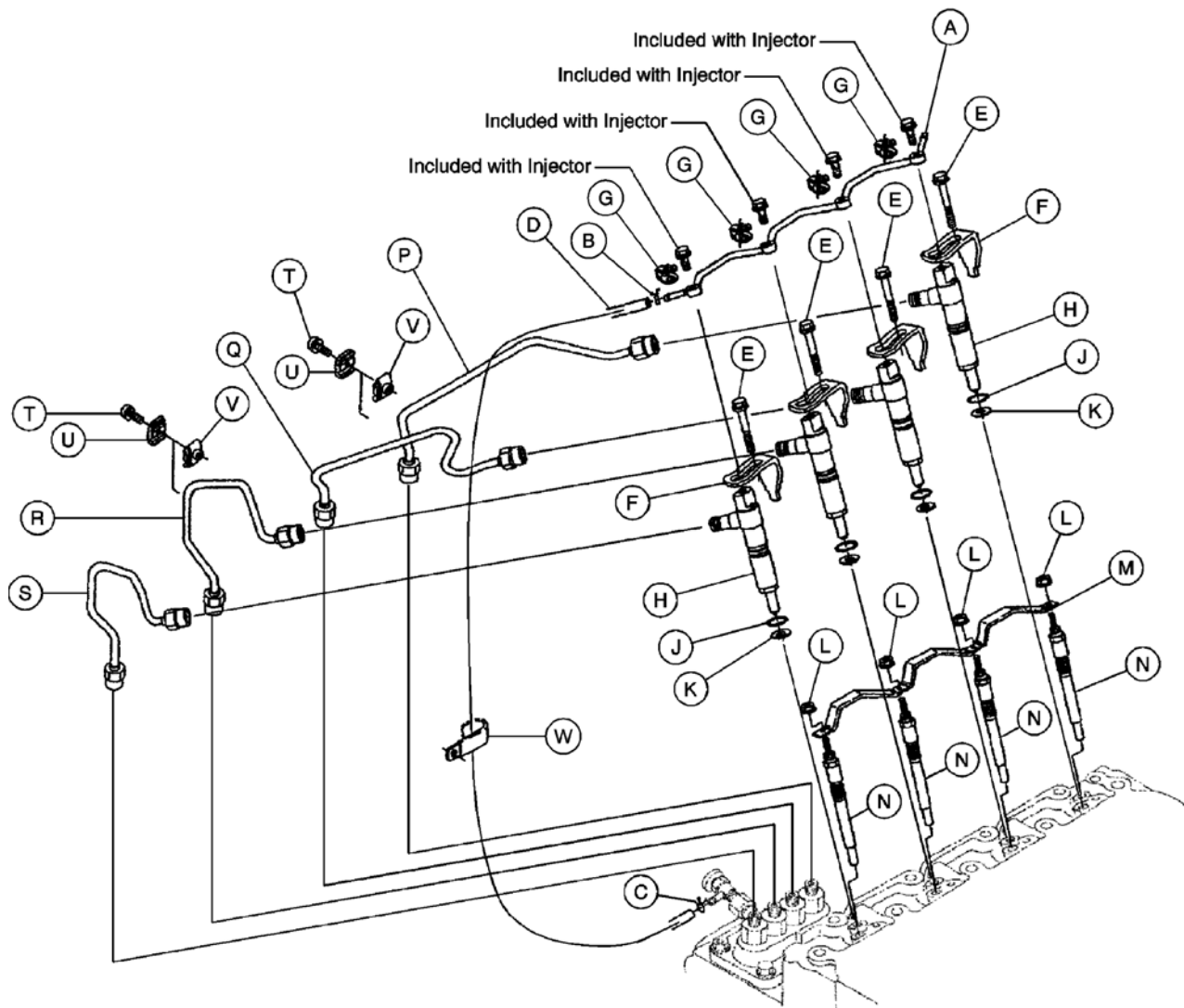
THROTTLE CONTROL



22546980_eng18_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594535	NUT, FLANGE	2	
B	22595771	PLATE ASSEMBLY, CONTROL	1	
C	22594816	PIN, SPRING	1	
D	22588552	LEVER, SPEED CONTROL		
E	22595177	SEAL, OIL	1	
F	22587885	SPRING, RETURN	1	
G	22587836	LEVER, GOVERNOR	1	
H	22594162	BOLT, M06-1.0 X 20	2	
J	22586754	STUD	2	
K	22568083	GASKET, PLATE	1	
L	22587190	NUT	1	
M	22587091	GASKET	2	
N	22587083	NUT	1	
P	22595284	BOLT, ADJUSTING	1	
Q	22587828	BOLT ASSEMBLY, ADJUSTMENT	1	

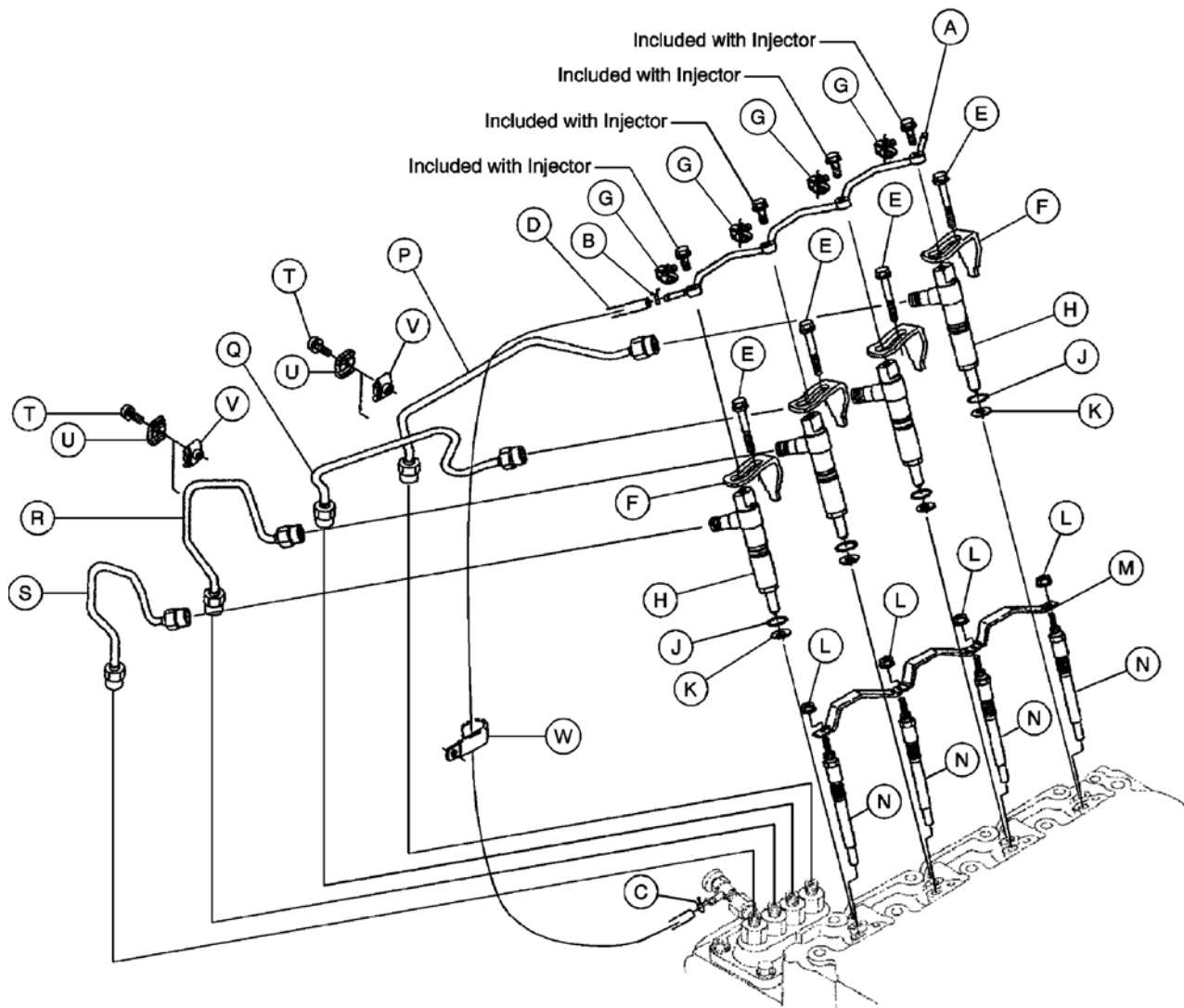
FUEL LINES and GLOW PLUGS



22546980_eng19_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22588834	PIPE ASSEMBLY, OVER FLOW	1	includes items B & C
B	22586424	CLAMP, PIPE	1	
C	22586481	CLAMP, PIPE	1	
D	22587604	PIPE ASSEMBLY, OVER FLOW	1	
E	22588842	BOLT, CLAMP	4	
F	22588859	CLAMP, NOZZLE	4	
G	22568166	GASKET, FUEL RETURN EYE JOINT	4	
H	22568364	HOLDER ASSEMBLY, NOZZLE	4	
J	22594709	O-RING	4	
K	22567838	GASKET, INJECTOR NOZZLE	4	
L	22594550	NUT, FLANGE	4	

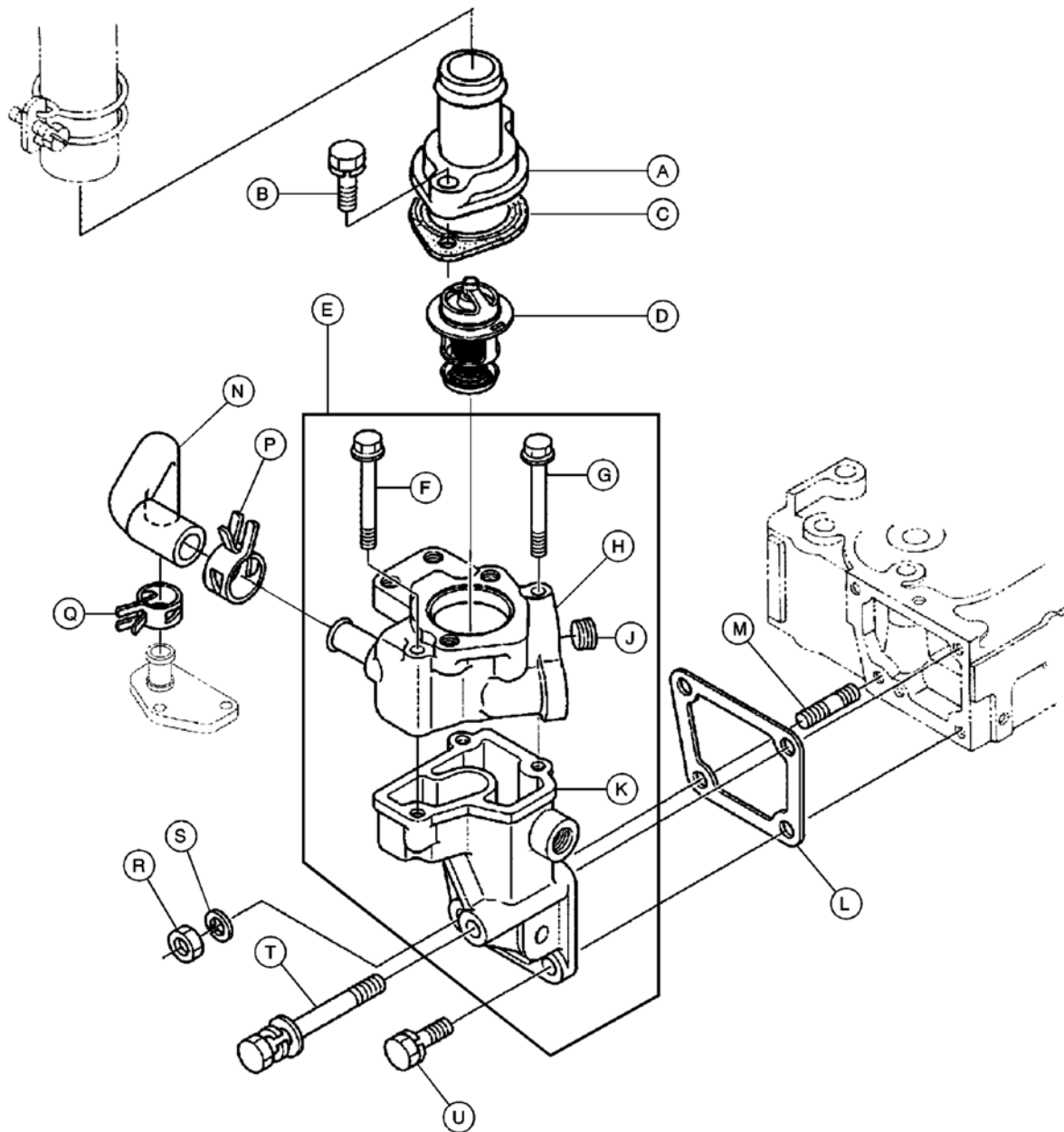
FUEL LINES and GLOW PLUGS



22546980_eng19_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	22595573	CORD, GLOW PLUG	1	
N	22568349	GLOW PLUG	4	
P	22595540	PIPE, INJECTION	1	
Q	22588529	PIPE, INJECTION	1	
R	22588396	PIPE, INJECTION	1	
S	22595474	PIPE, INJECTION	1	
T	22594584	SCREW, WITH WASHER M05-0.8 X 20	4	
U	22587216	CLAMP, PIPE	2	
V	22587208	CLAMP, PIPE	2	
W	22586788	CLAMP, CORD	1	

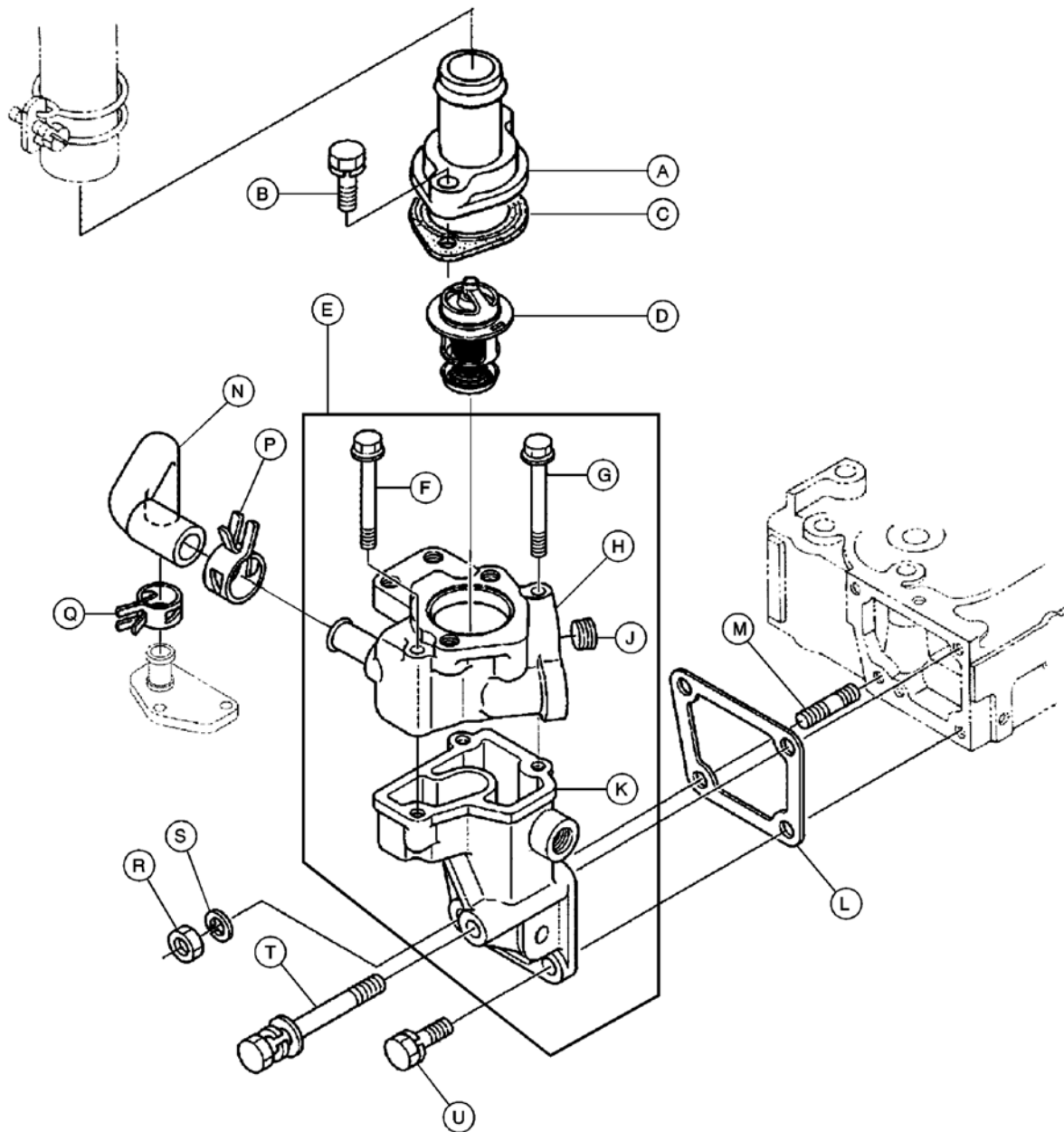
THERMOSTAT HOUSING



22546980_eng20_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22586838	COVER, THERMOSTAT	1	
B	22594279	BOLT, M08-1.25 X 35	2	
C	22567911	GASKET, THERMOSTAT	1	
D	22568372	THERMOSTAT	1	
E	22588560	FLANGE ASSEMBLY, WATER	1	
F	22626451	BOLT, FLANGE M06-1.0 X 60	2	
G	22626469	BOLT, FLANGE M06-1.0 X 65	1	
H	22626444	HOUSING, UPPER THERMOSTAT	1	
J	22626477	PLUG	1	
K	22626444	HOUSING, LOWER THERMOSTAT	1	

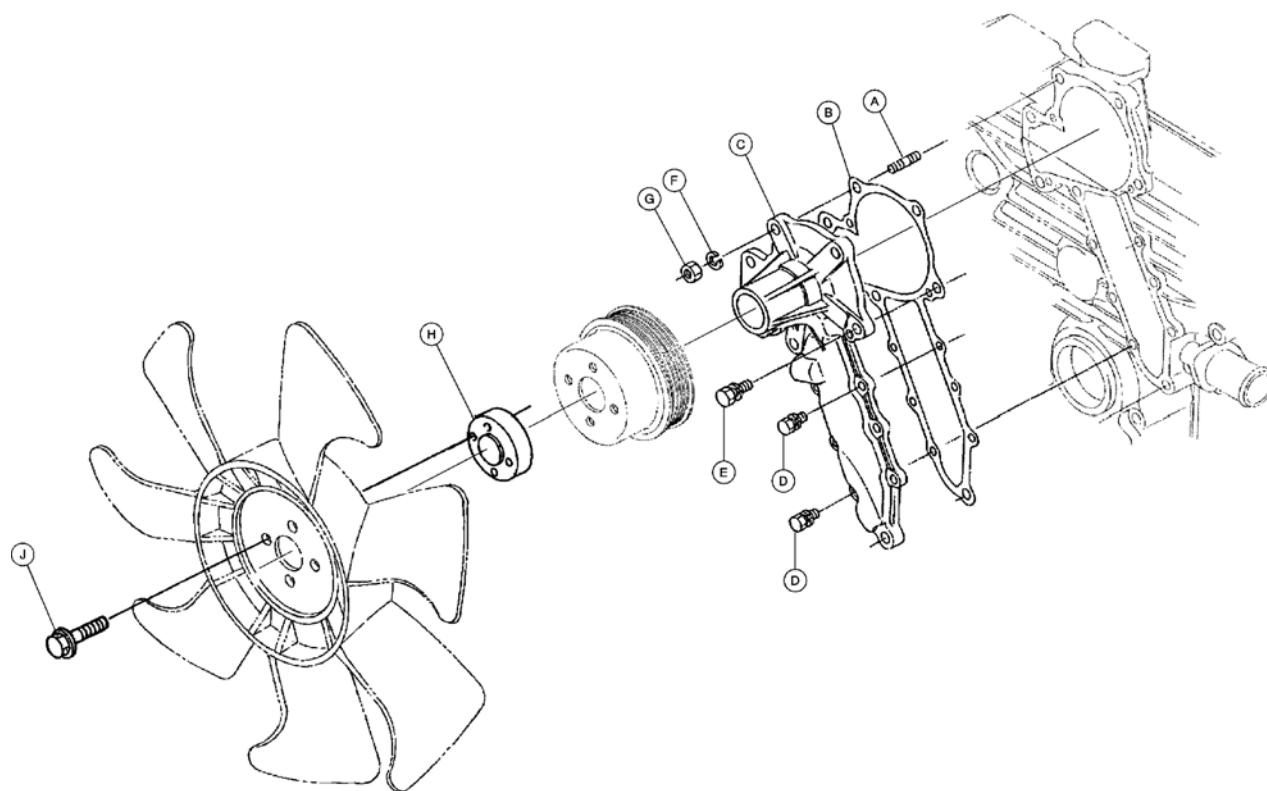
THERMOSTAT HOUSING



22546980_eng20_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22568109	GASKET, THERMOSTAT HOUSING	1	
M	22567853	STUD	1	
N	22568117	PIPE, WATER RETURN	1	
P	22586408	CLAMP, HOSE	1	
Q	22586390	CLAMP, HOSE	1	
R	22594519	NUT	1	
S	22594634	WASHER, SPRING LOCK	1	
T	22587950	BOLT	1	
U	22567788	BOLT, HEX M08-1.25 X 22	2	

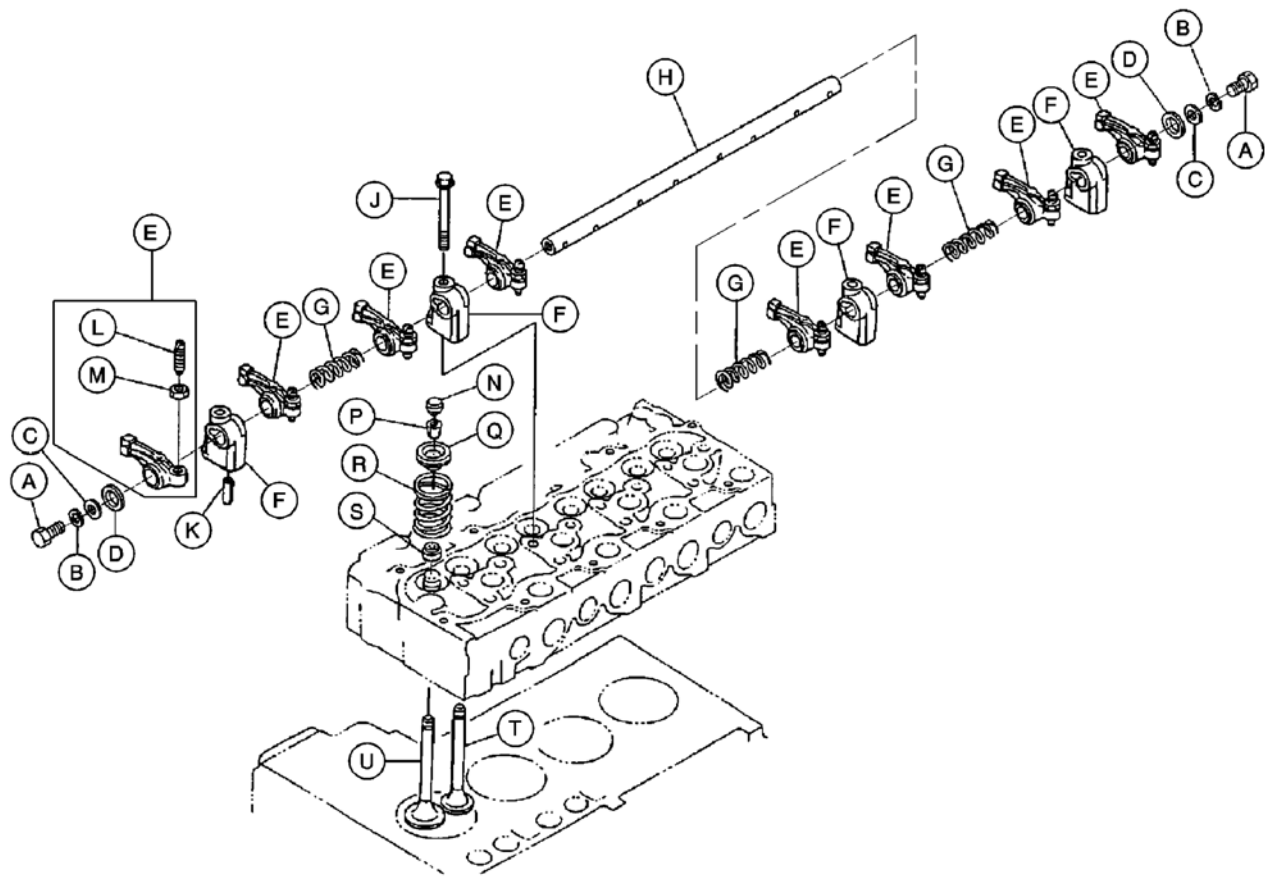
WATER PUMP



22546980_eng21_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594436	STUD	1	
B	22568133	GASKET, WATER PUMP	1	
C	22568216	PUMP ASSEMBLY, WATER	1	
D	22594154	BOLT, HEX M06-1.0 X 18	6	
E	22594253	BOLT, HEX M08-1.25 X 28	2	
F	22594634	WASHER, SPRING LOCK	1	
G	22594519	NUT	1	
H	22568174	SPACER, FAN	1	
J	22567804	BOLT, HEX FLANGE M08-1.25 X 55	4	

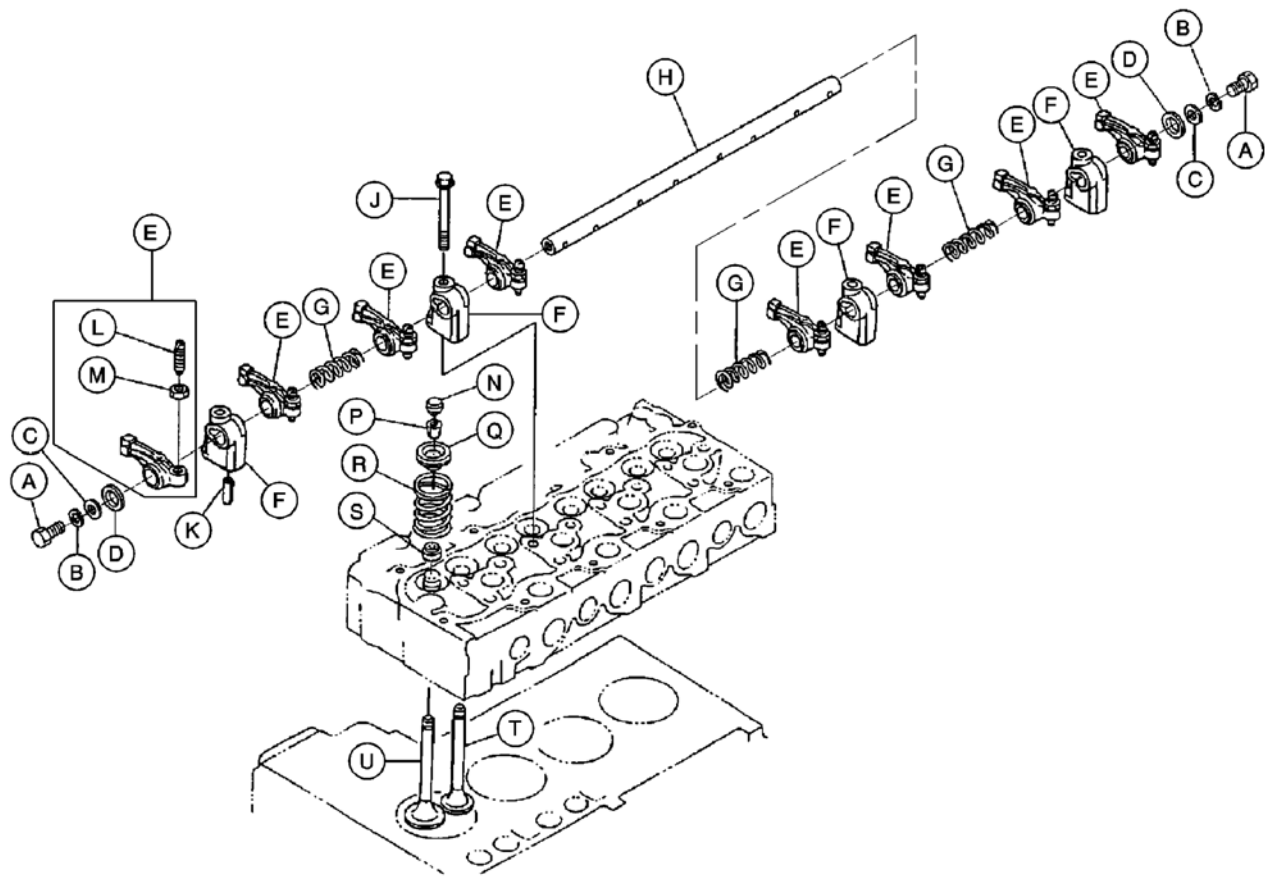
ROCKER ARM ASSEMBLY



22546980_eng22_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594378	BOLT	2	L=12
B	22594626	WASHER, SPRING LOCK	2	
C	22594600	WASHER, PLAIN	2	
D	22586655	WASHER, ROCKER ARM SHAFT	2	
E	22587182	ASSEMBLY ,ROCKER ARM	8	
F	22586648	BRACKET, ROCKER ARM	4	
G	22586630	SPRING, ROCKER ARM	3	
H	22588149	SHAFT, ROCKER ARM	1	
J	22594477	BOLT, FLANGE	4	
K	22594824	PIN, SPRING	1	
				L=55

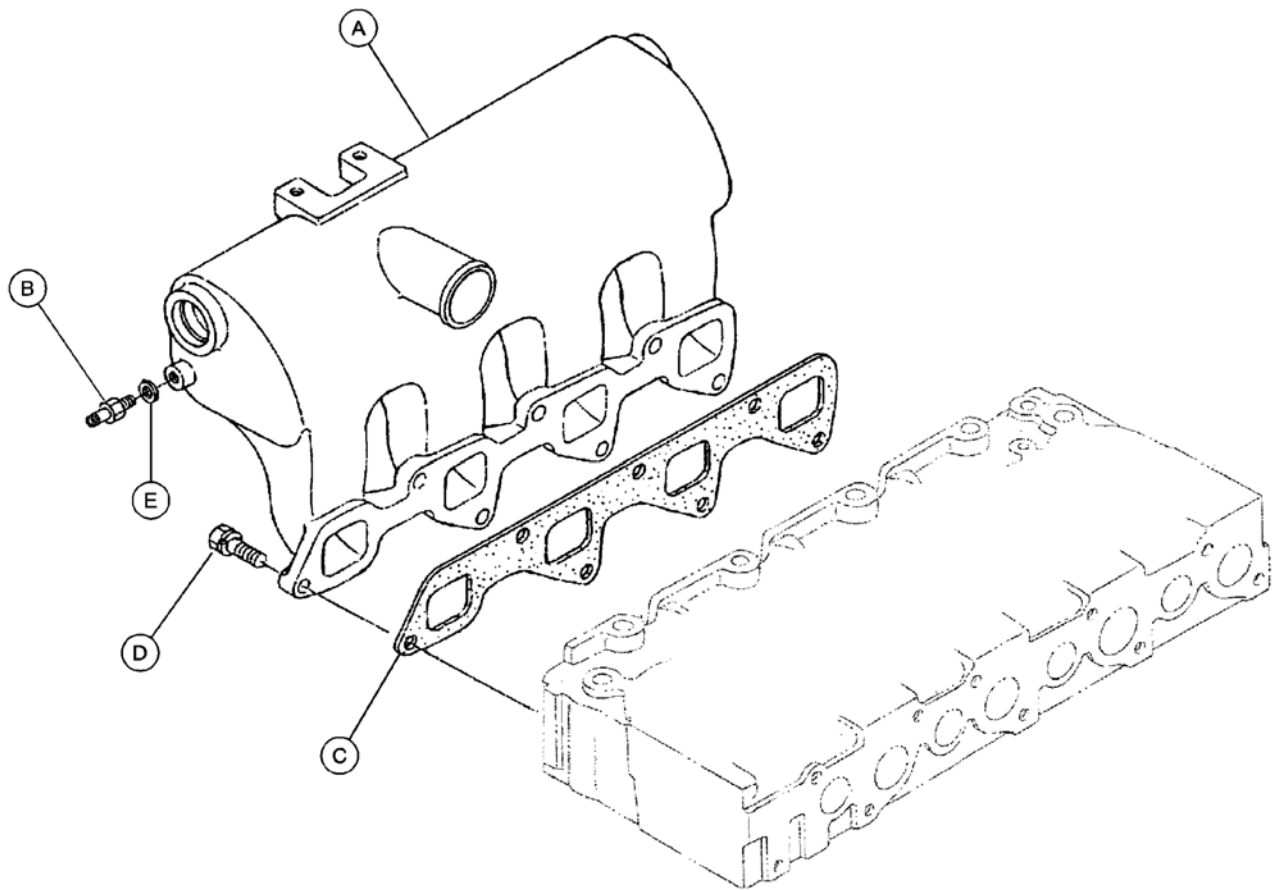
ROCKER ARM ASSEMBLY



22546980_eng22_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22586952	SCREW, ADJUSTING	8	SET OF 2
M	22586499	NUT	8	
N	22586606	CAP, VALVE	8	
P	22586622	COLLET, VALVE SPRING	8	
Q	22586614	RETAINER, VALVE SPRING	8	
R	22586598	SPRING, VALVE	8	
S	22586580	SEAL, VALVE STEM	8	
T	22587539	VALVE, EXHAUST	4	
U	22587521	VALVE, INLET	4	

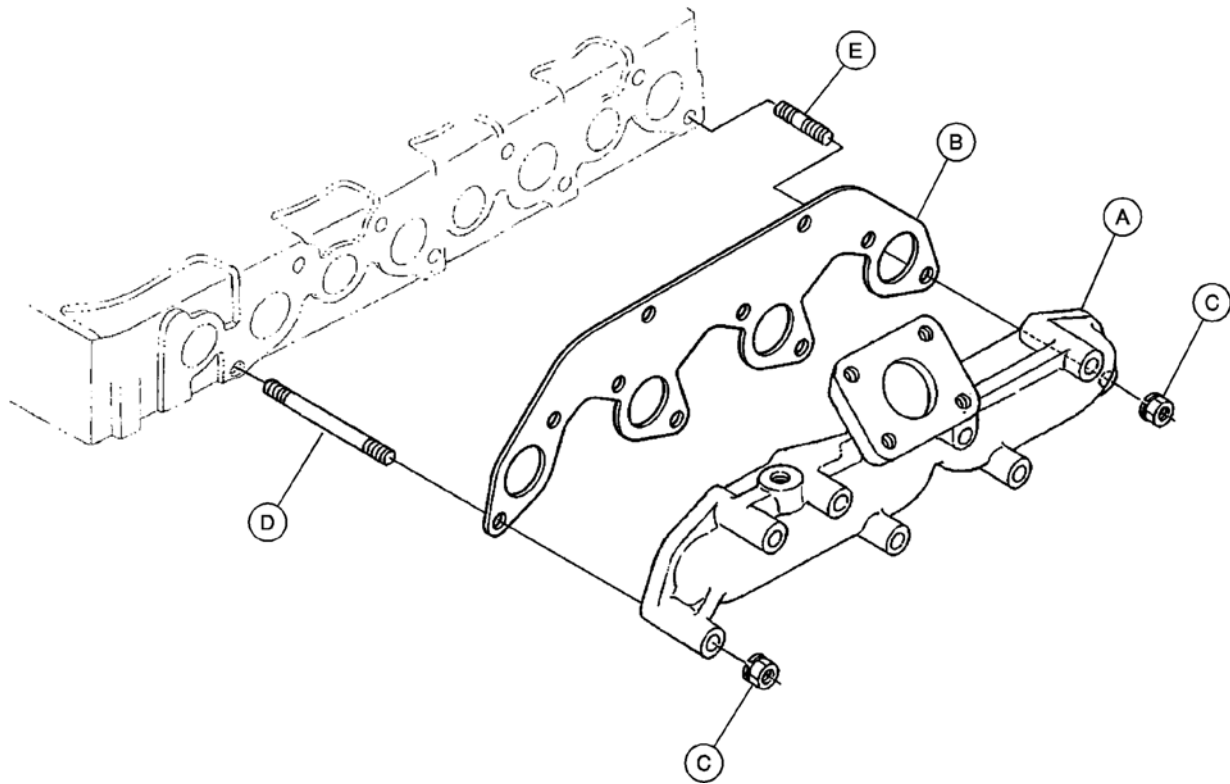
INTAKE MANIFOLD



22546980_eng23_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22588974	MANIFOLD ASSEMBLY, INLET	1	
B	22595136	SCREW, AIR BLEEDER	1	
C	22568281	GASKET, INTAKE MANIFOLD	1	
D	22567788	BOLT, HEX M08-1.25 X 22	6	
E	22587091	GASKET	1	

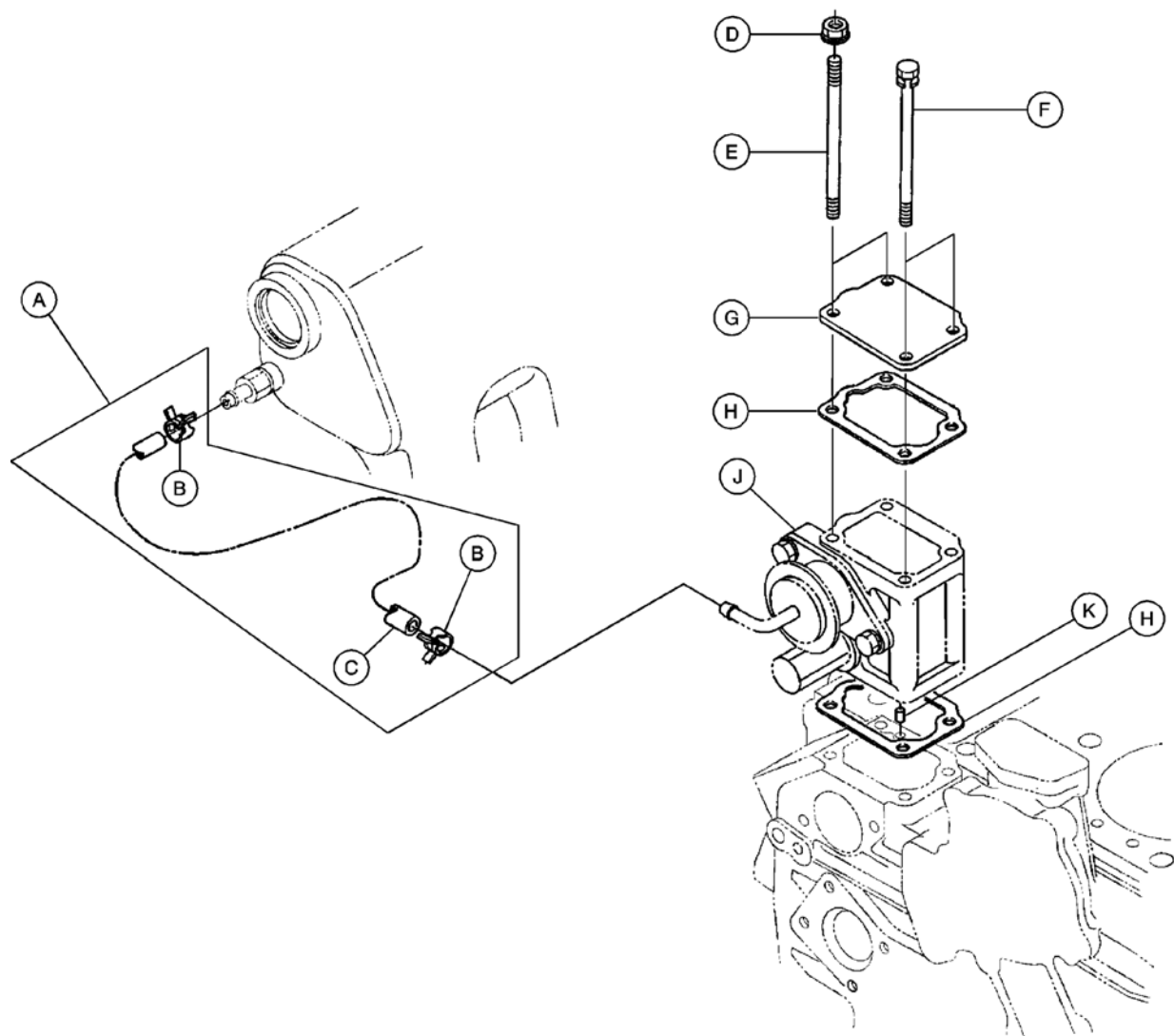
EXHAUST MANIFOLD



22546980_eng24_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22588982	MANIFOLD, EXHAUST	1	
B	22567994	GASKET, EXHAUST MANIFOLD	1	
C	22567952	NUT	8	
D	22567853	STUD	1	
E	22567895	STUD	7	

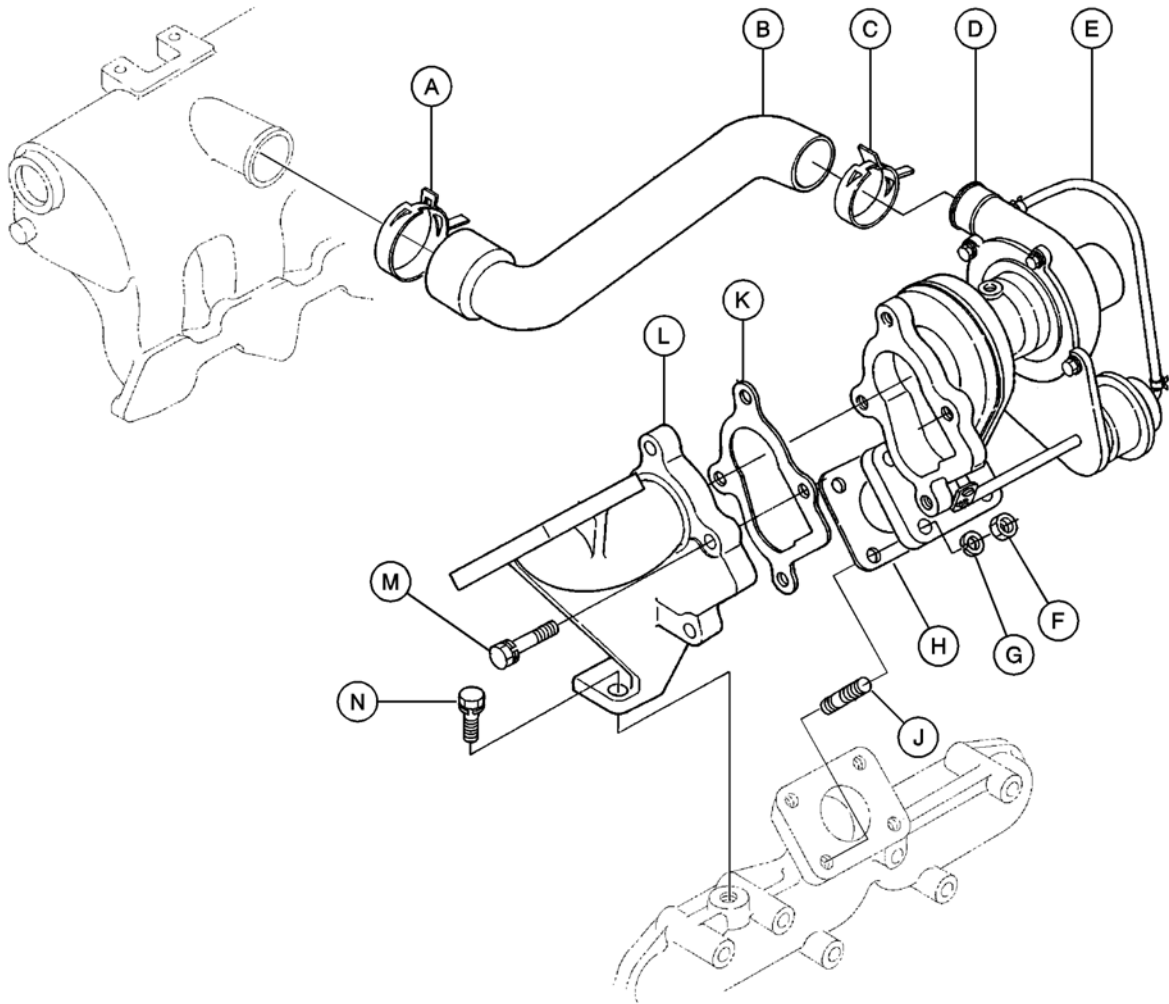
BOOST COMPENSATOR



22546980_eng27_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22595797	ASSEMBLY PIPE, BOOST	1	
B	22595144	BAND, PIPE	2	
C	22595052	TUBE, FUEL	1	
D	22594535	NUT, HEX FLANGE M06-1.0	2	
E	22595508	STUD	2	
F	22594170	BOLT, HEX M06-1.0 X 85	2	
G	22595482	COVER, BOOST COMPENSATOR HOUSING	1	
H	22568083	GASKET, PLATE	2	
J	22627905	BOOST COMPENSATOR	1	
K	22594766	PIN, STRAIGHT	1	

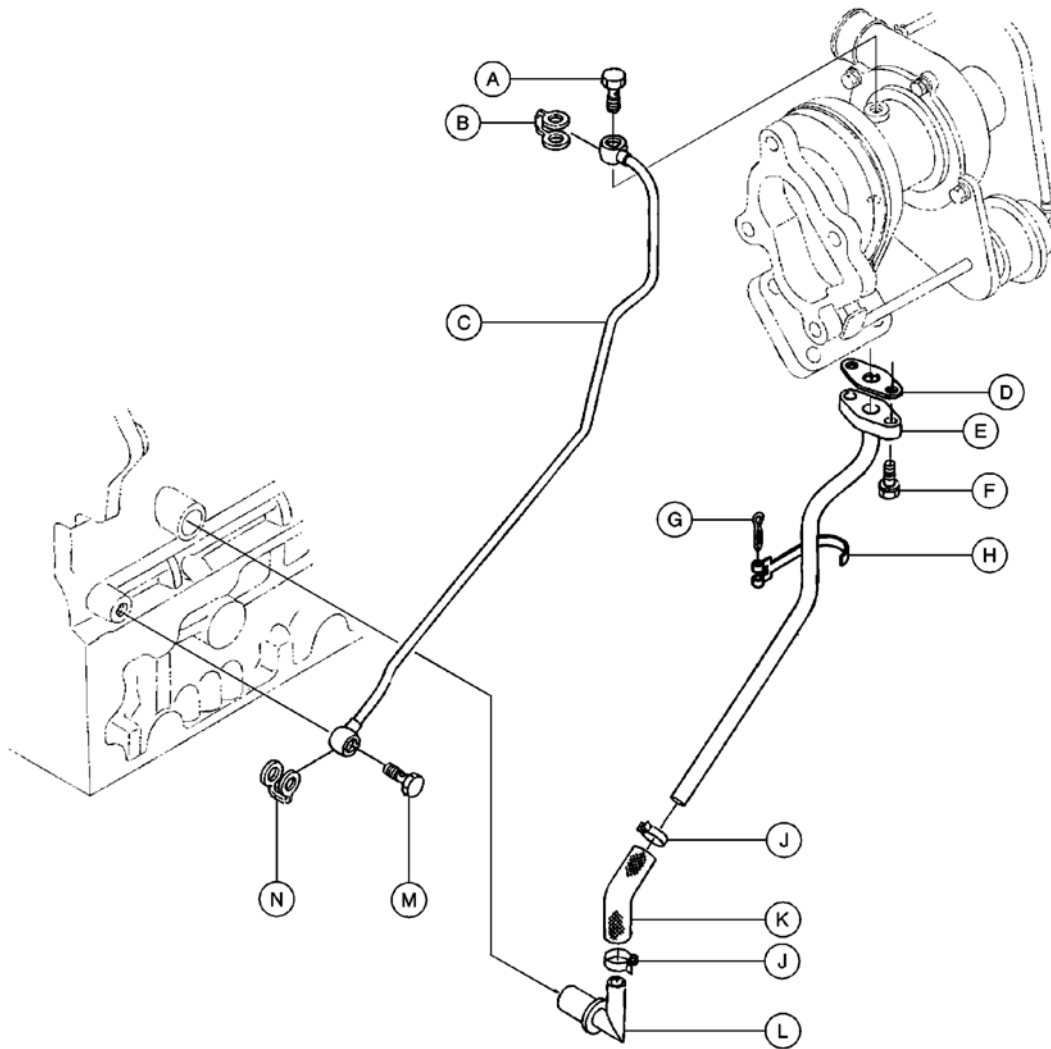
TURBOCHARGER



22546980_eng28_2/05_A

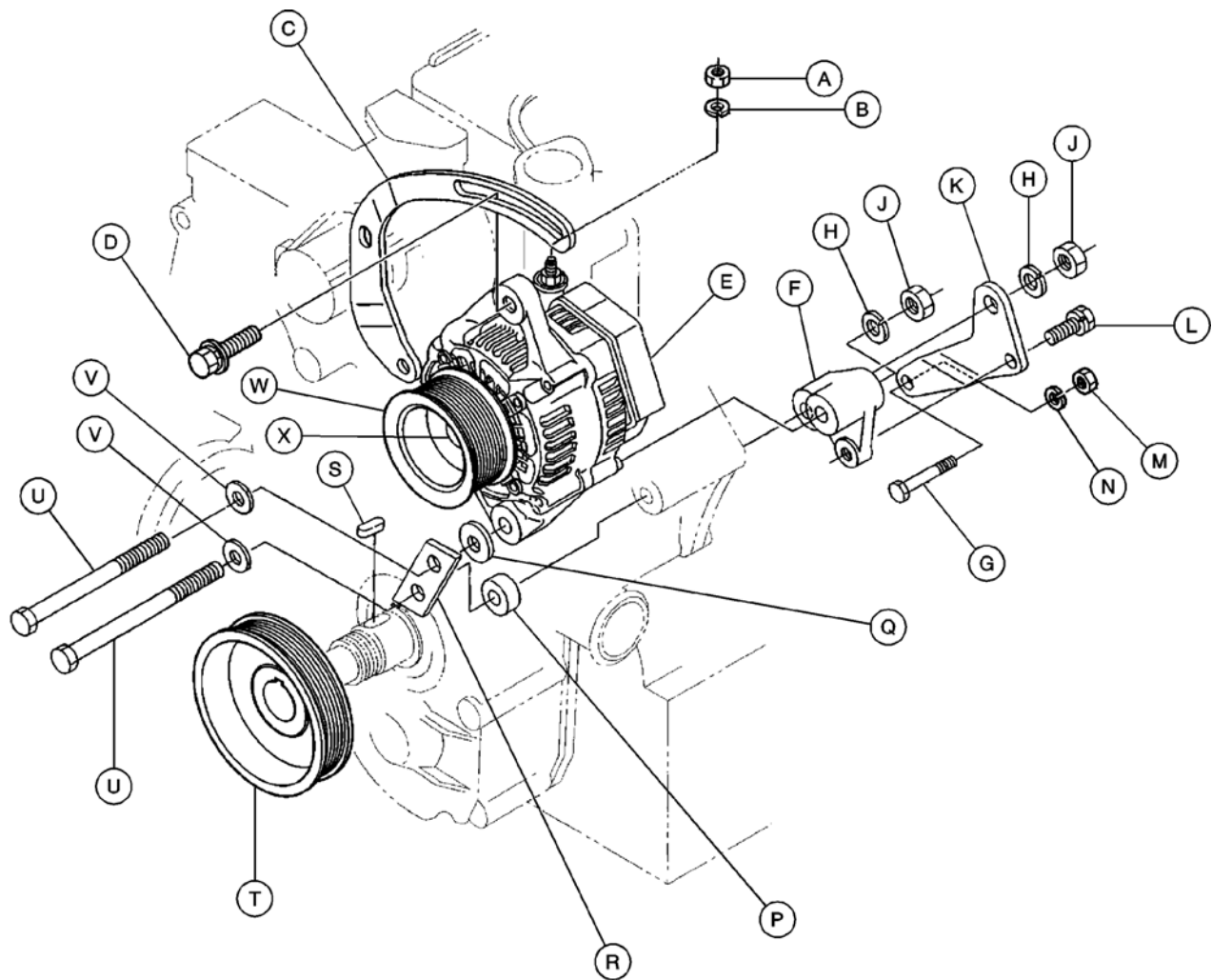
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22587398	BAND, PIPE	1	INCLUDED W/ ITEM D
B	22588958	HOSE, INLET	1	
C	22588966	CLAMP, HOSE	1	
D	22567879	ASSEMBLY TURBO CHARGER	1	
E	22589030	ASSEMBLY HOSE	1	
F	22594519	NUT, HEX M08-1.25	4	
G	22594626	WASHER, SPRING LOCK	4	
H	22567960	GASKET, TURBO-EXHAUST MANIFOLD	1	
J	22594410	STUD	4	
K	22567978	GASKET, TURBO-MUFFLER FLANGE	1	
L	22588990	FLANGE, MUFFLER	1	
M	22594261	BOLT, HEX M08-1.25 X 30	4	
N	22588925	BOLT	1	

TURBOCHARGER OIL PIPING



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22595755	BOLT, EYE JOINT	1	
B	22568166	GASKET, FUEL RETURN EYE JOINT	1	
C	22589154	PIPE, ENGINE-TURBO OIL	1	
D	22595367	GASKET	1	
E	22595722	PIPE, TURBO RETURN OIL	1	
F	22594154	BOLT, HEX M06-1.0 X 18	2	
G	22595805	PIN, BAND	1	
H	22595318	CLAMP, PIPE	1	
J	22586382	CLAMP, HOSE	2	
K	22595730	TUBE, OIL	1	
L	22595300	PIPE, OIL	1	
M	22586945	BOLT, EYE JOINT	1	
N	22595458	GASKET, FUEL RETURN EYE JOINT	1	

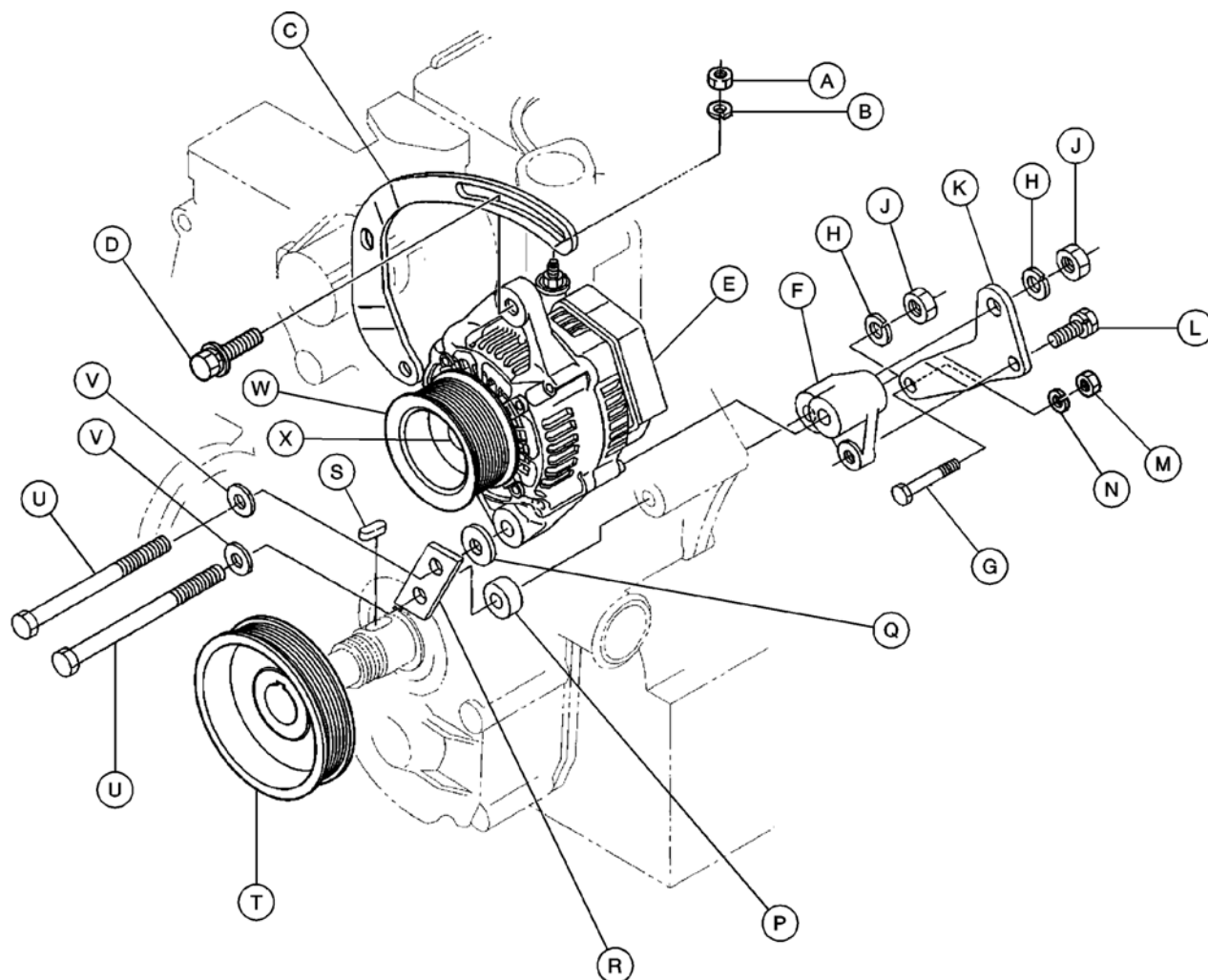
ALTERNATOR AND PULLEY



22546980_eng25_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594519	NUT, HEX M08-1.25	1	
B	22594634	WASHER, SPRING LOCK	1	
C	22595433	STAY, DYNAMO	1	
D	22594345	BOLT, HEX M08-1.25 X 30	1	
E	22568182	ALTERNATOR	1	
F	22595425	SUPPORT, ALTERNATOR	1	
G	22595276	BOLT	1	
H	22594642	WASHER, SPRING LOCK	2	
J	22594527	NUT, HEX M10-1.25	2	
K	22595250	SUPPORT, ALTERNATOR	1	
L	22594246	BOLT, HEX M08-1.25 X 20	1	

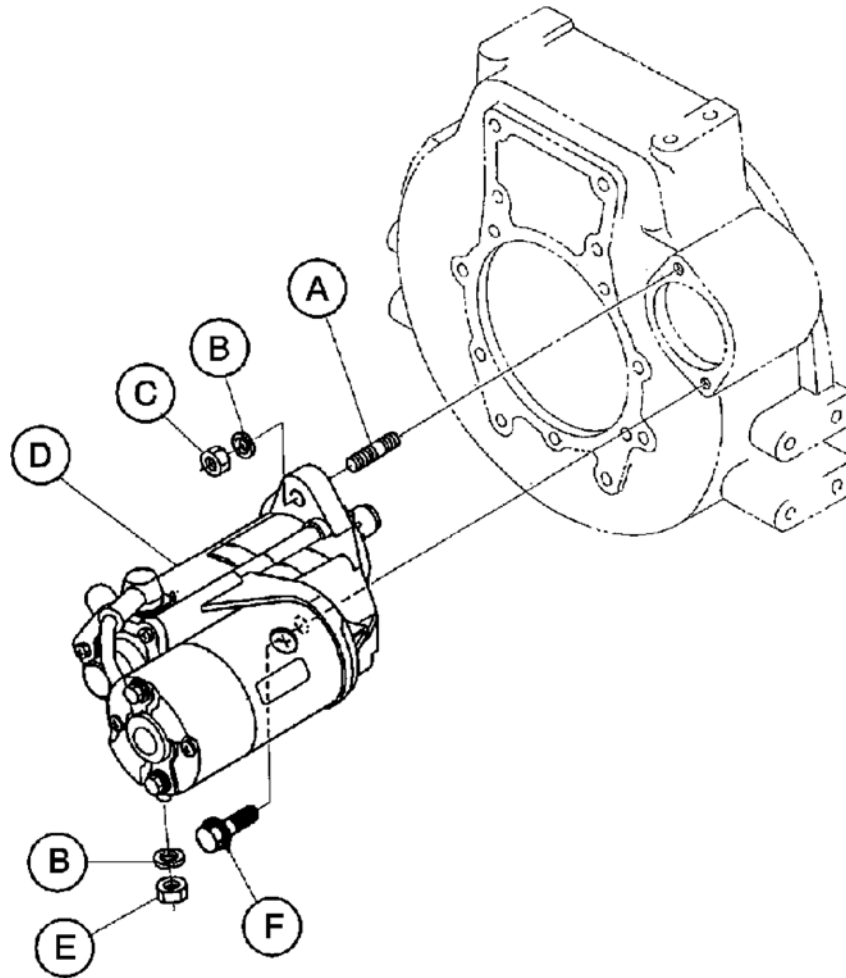
ALTERNATOR AND PULLEY



22546980_eng25_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	22594493	NUT, HEX M06-1.0	1	
N	22594626	WASHER, SPRING LOCK	1	
P	22595839	COLLAR	1	
Q	22595821	SHIM	1	
R	22595268	STAY	1	
S	22594865	KEY, FEATHER	1	
T	22567937	PULLEY, FAN DRIVE	1	
U	22594394	BOLT, HEX M10-1.5 X 120	2	
V	22594618	WASHER, PLAIN	2	
W	22595391	PULLEY, ALTERNATOR	1	
X	22595169	NUT	1	

STARTER



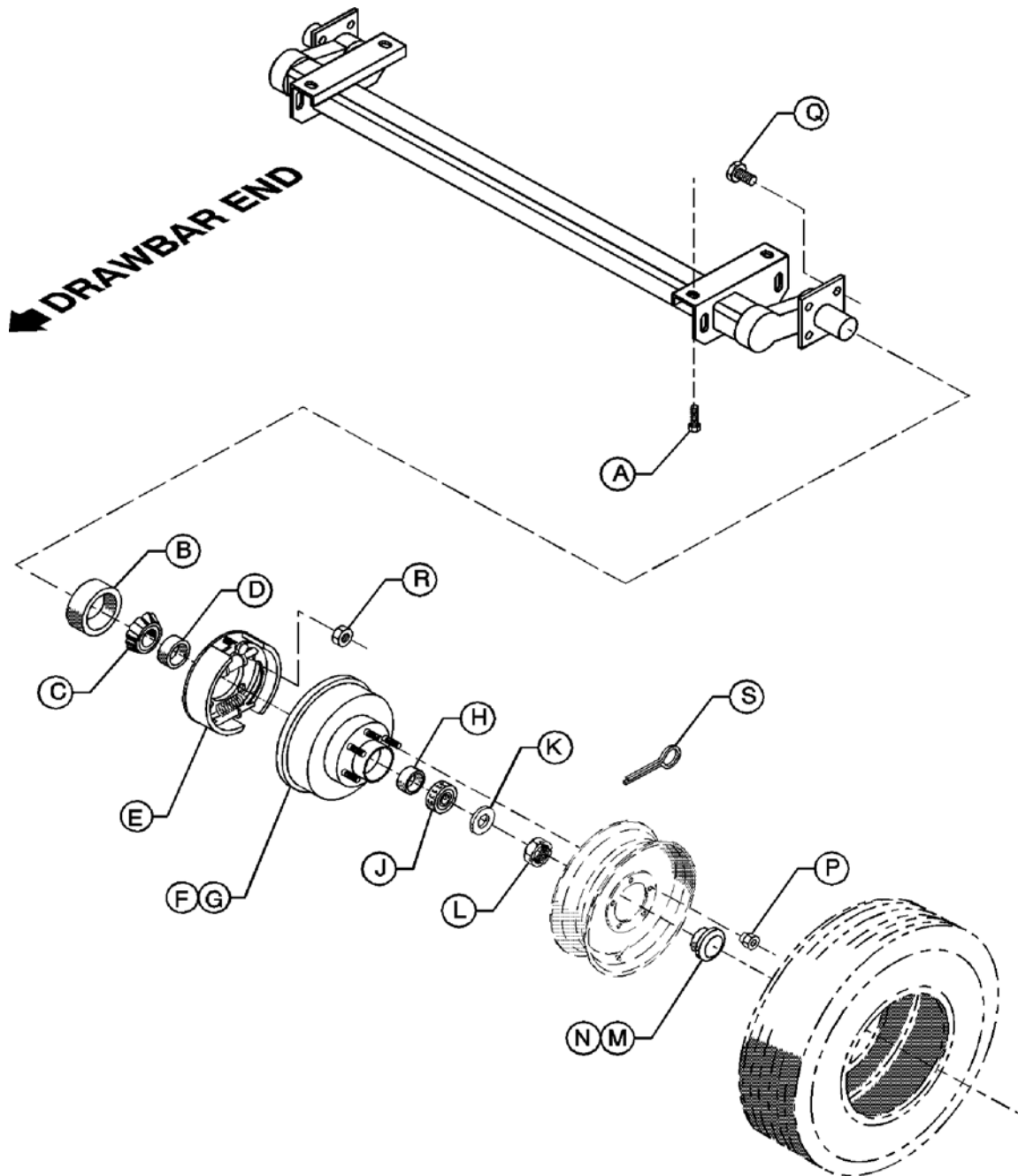
22546980_eng26_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594428	STUD	1	
B	22594642	WASHER, SPRING LOCK	2	
C	22594527	NUT	1	
D	22496939	STARTER ASM.	1	
E	22594501	NUT	1	
F	22594352	BOLT	1	

Section D - OPTION PARTS



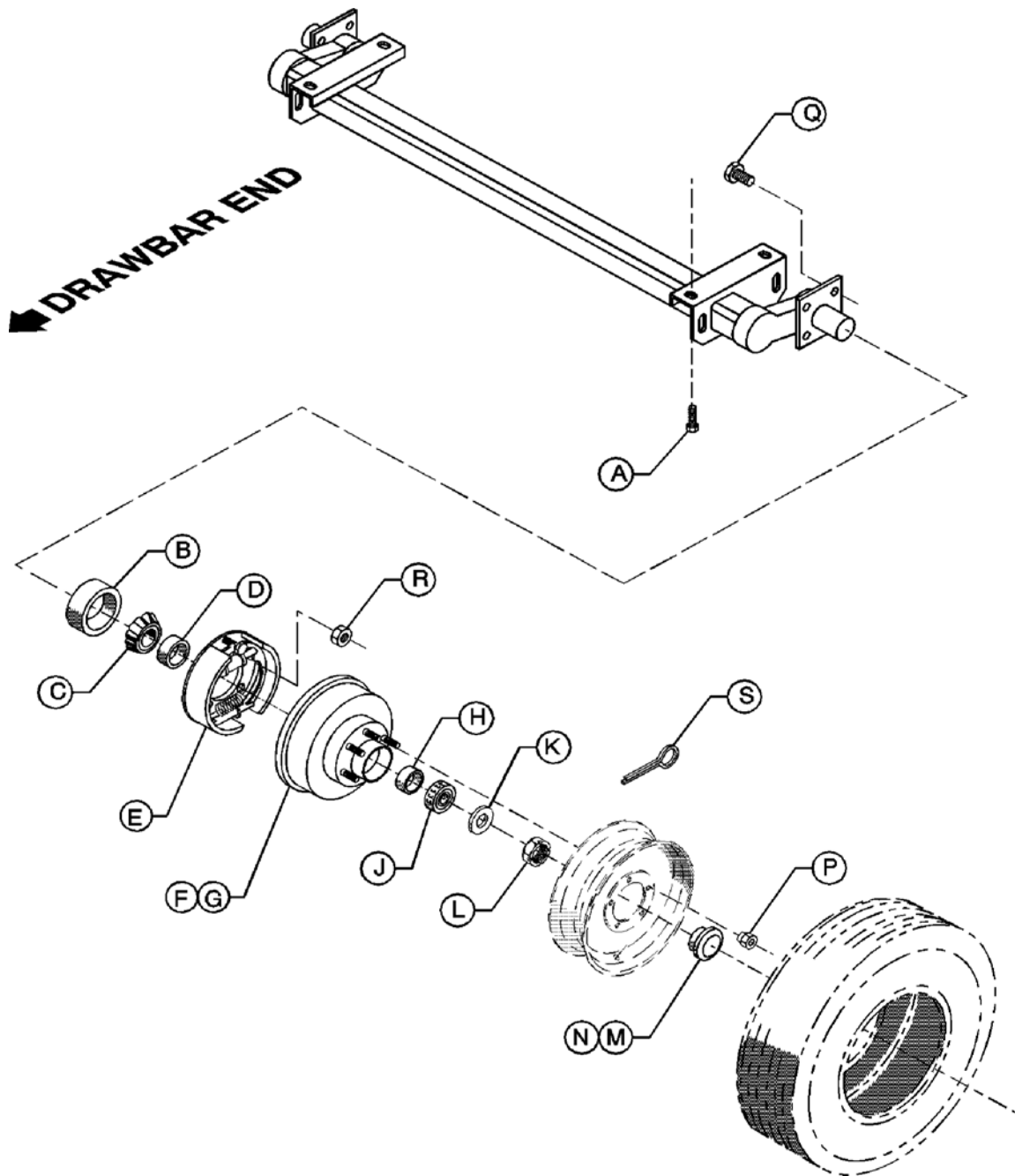
ELECTRIC BRAKE AXLE



airsource_option_03_11/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36879492	SCREW, HEX FLANG HD M16 X 30	4	
B	35391101	SEAL, EZ LUBE GREASE	2	
C	35361864	CONE, INNER BEARING	2	
D	35361872	CUP, INNER BEARING	2	
E	35391168	BRAKE ASM., LH ELECTRIC	1	
	35391176	BRAKE ASM., RH ELECTRIC	1	
F	35391119	HUB & DRUM with STUDS	2	
G	35361898	STUD	10	
H	35315191	CUP, OUTER BEARING	2	

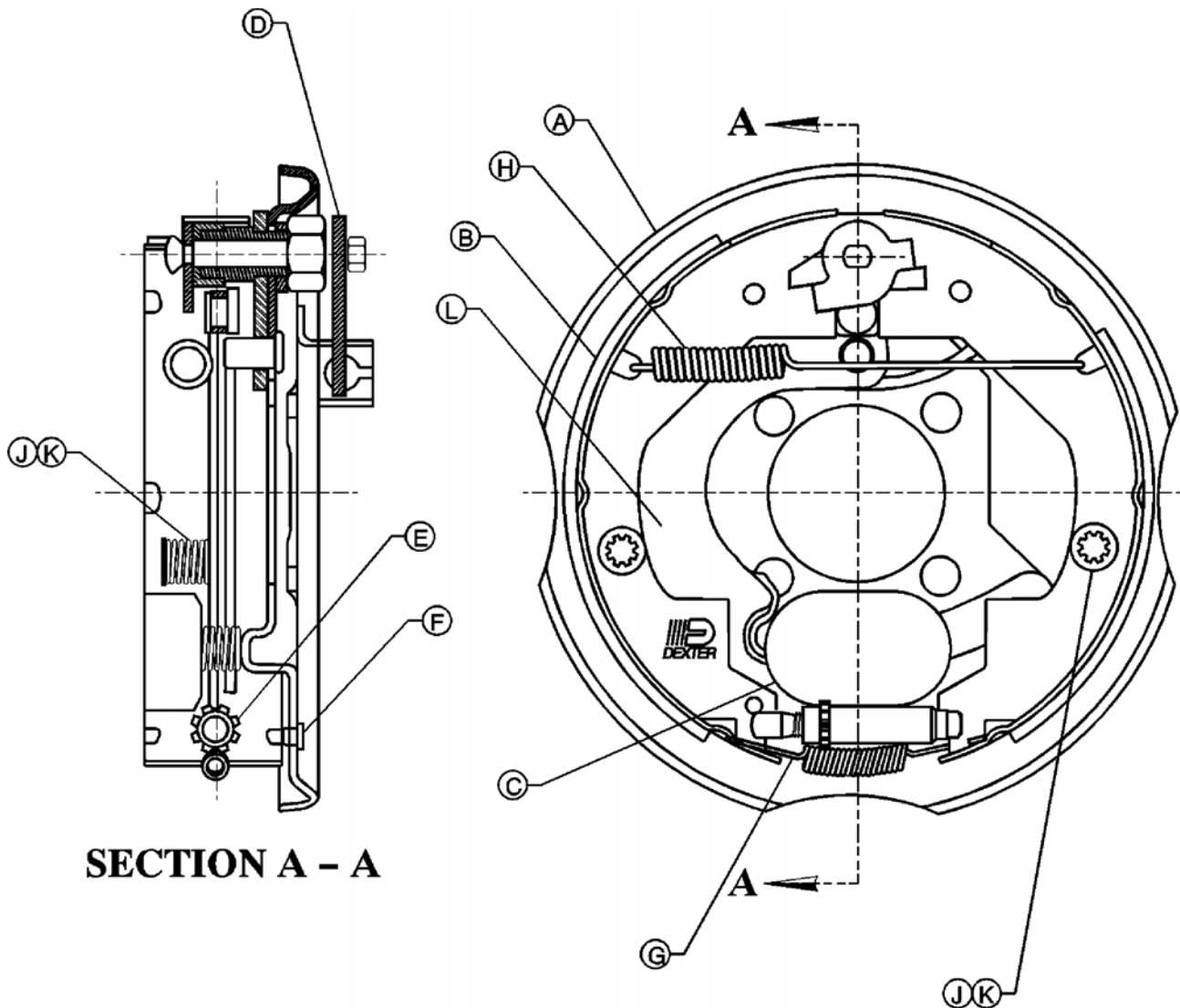
ELECTRIC BRAKE AXLE (cont'd)



airsource_option_03_11/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
J	35315183	CONE, OUTER BEARING	2	
K	35315209	WASHER, SPINDLE	2	
L	35315217	NUT, SPINDLE	2	
M	35391127	CAP, EZ LUBE RUBBER	2	
N	35391135	PLUG, EZ LUBE RUBBER	2	
P	35315274	NUT, WHEEL	10	
Q	35391648	SCREW, BRAKE MOUNT	8	
R	35391630	NUT, BRAKE MOUNT HEX	8	
S	35315225	PIN, COTTER	2	

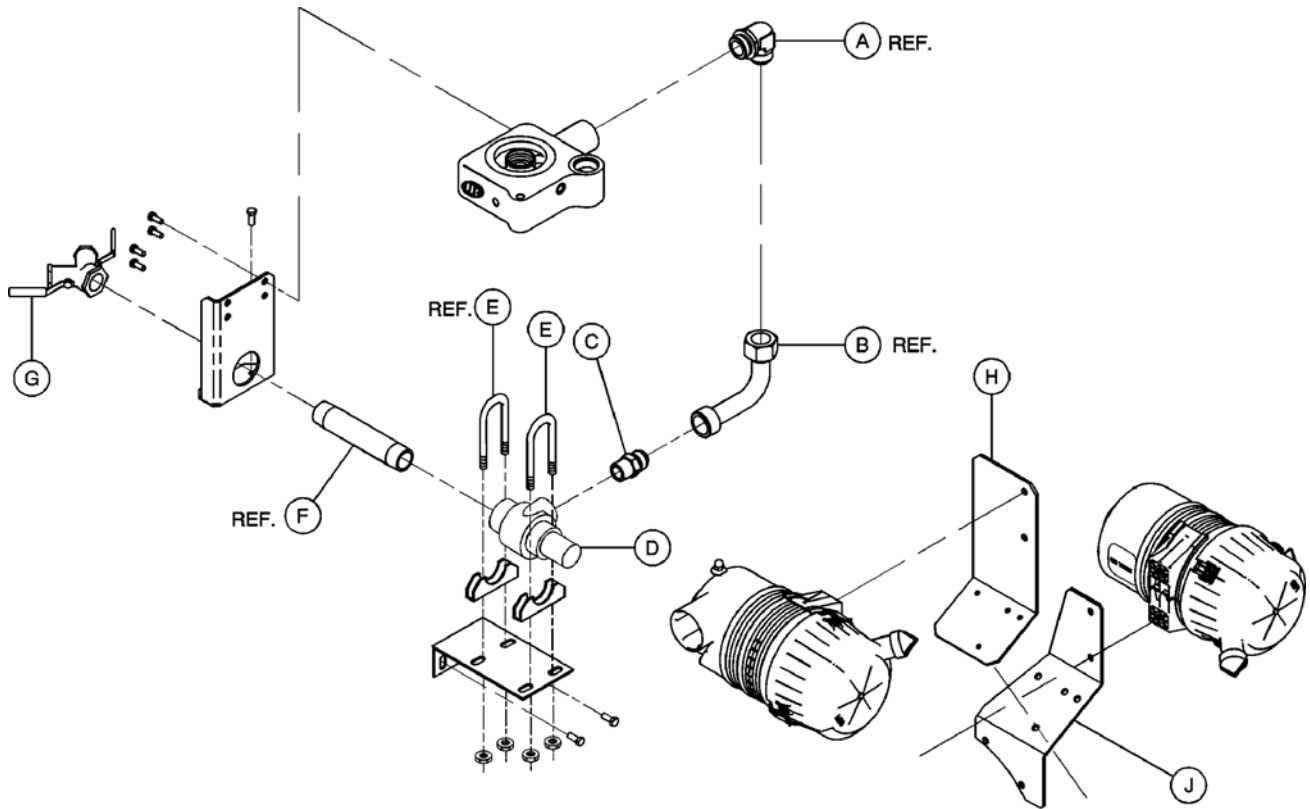
ELECTRIC BRAKE HUB and SHOE



airsource_option_04_11/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35391184	PLATE ASM., LH BACKING	1	
	35391192	PLATE ASM., RH BACKING	1	
B	35391333	BRAKE SHOE PRIMARY KIT	1	
	35391341	BRAKE SHOE SECONDARY KIT	1	
C	35393784	MAGNET KIT	2	
D	35391267	LEVER, PARKING BRAKE	2	
E	35391366	SCREW ASM., ADJUSTING	2	
F	35391416	PLUG, ADJUSTING SCREW	2	
G	35391374	SPRING, ADJUSTER	2	
H	35391358	SPRING, RETRACTOR	2	
J	35391382	SPRING, SHOE HOLD DOWN	4	
K	35391390	PIN, SHOE HOLD DOWN	4	
L	35391226	LEVER KIT, LH ACTUATING	1	
	35391234	LEVER KIT, RH ACTUATING	1	

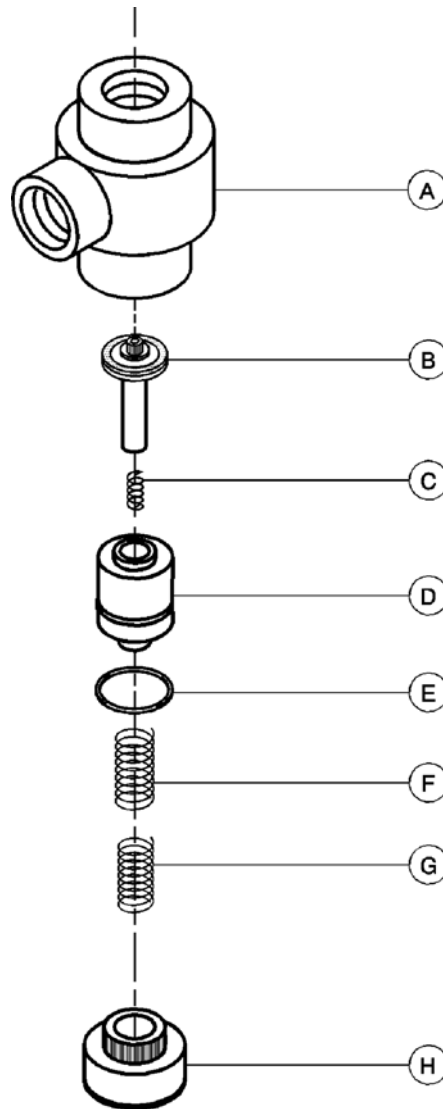
MINIMUM PRESSURE CHECK VALVE PIPING



airsource_option_16_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279777	ELBOW, 90o 1-5/8-12 X -20JIC	1	
B	22662605	TUBE, DISCHARGE	1	
C	95219770	ADAPTER, 1.25 NPT x 1.62-12	1	
D	36776219	VALVE, MINIMUM PRESSURE CHECK	1	
E	35192178	CLAMP, SADDLE	2	
F	95916268	NIPPLE, LONG 1.25 NPT X 8"	1	
G	36881076	VALVE, WYE	1	

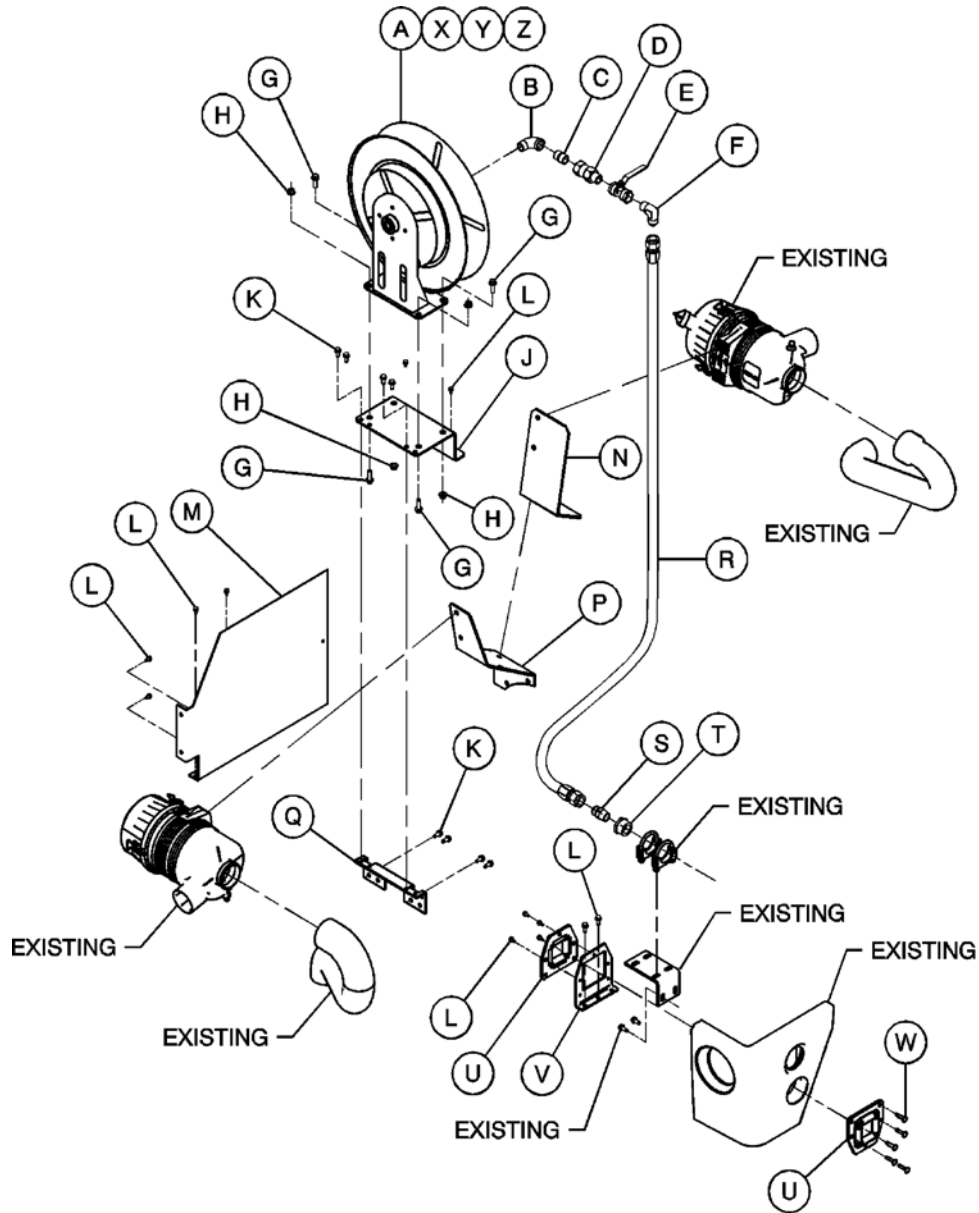
MINIMUM PRESSURE CHECK VALVE



airsource_option_15_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35382621	BODY, MINIMUM PRESSURE VALVE	1	
B	35382639	CV ASSEMBLY	1	
C	35382662	SPRING	1	
D	35382647	PISTON	1	
E	35382654	O-RING	1	
F	35382670	SPRING	1	
G	35389055	SPRING	1	
H	35382688	CAP	1	

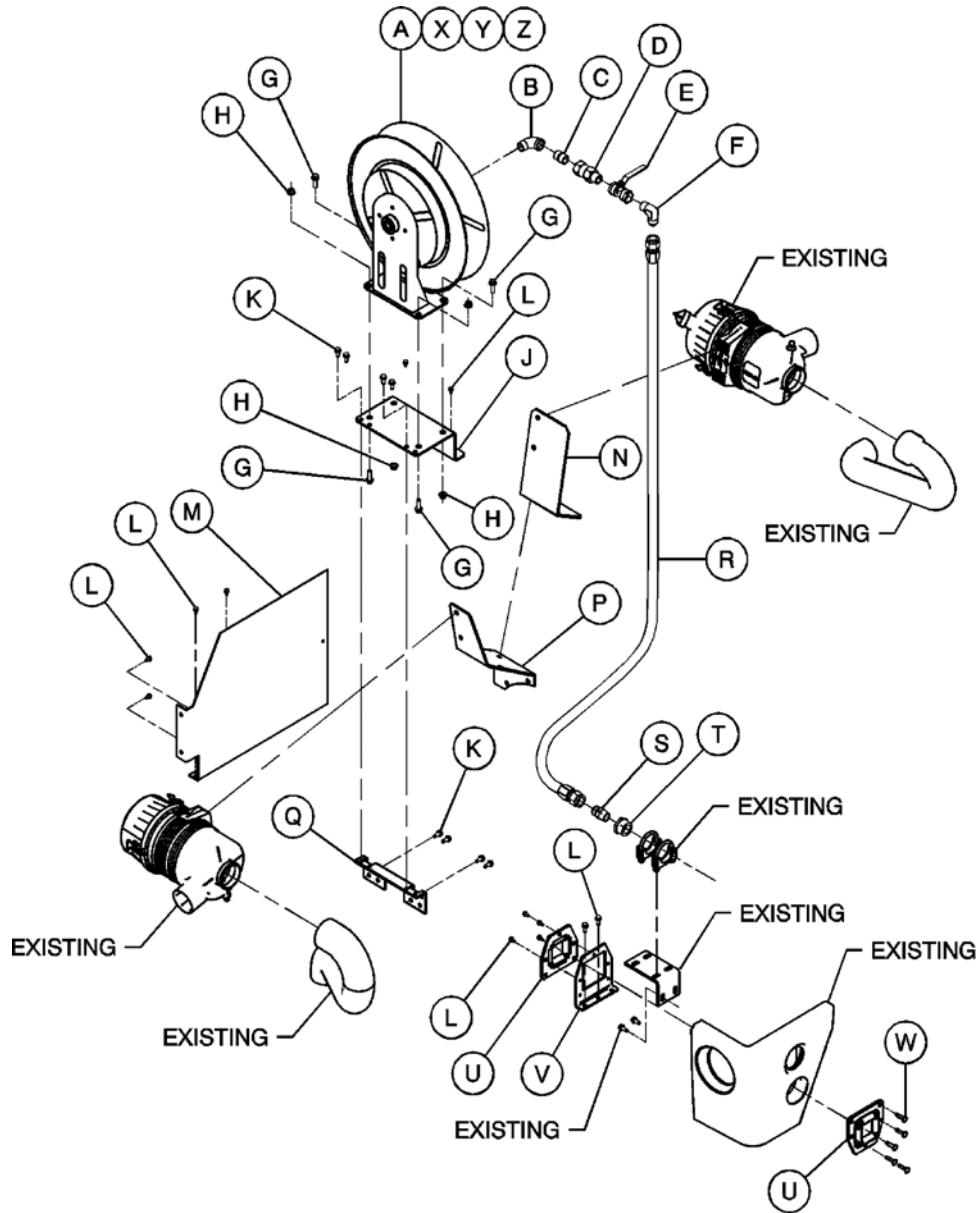
INTERNAL HOSEREEL



airsource_option_07_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22641740	HOSE REEL ASSEMBLY	1	
B	95928172	ELBOW, STREET 3/4" NPT	1	
C	95928040	NIPPLE, CLOSED 3/4" NPT	1	
D	35364397	VALVE, CHECK	1	
E	35576115	VALVE, BALL	1	
F	35294735	ELBOW, 3/4" NPT X -12 JIC	1	
G	36880995	SCREW, HEX FLANGE M10-1.50 x 30	4	
H	36879195	NUT, HEX FLANGE M10-1.50	4	
J	22484869	BRACKET, HOSEREEL	1	
K	35279025	SCREW, TAPPING M08-1.25 X20	8	
L	36797652	SCREW, TAPPING M06-1.0 X 12	13	
M	22623763	GUARD, TOOL BOX	1	

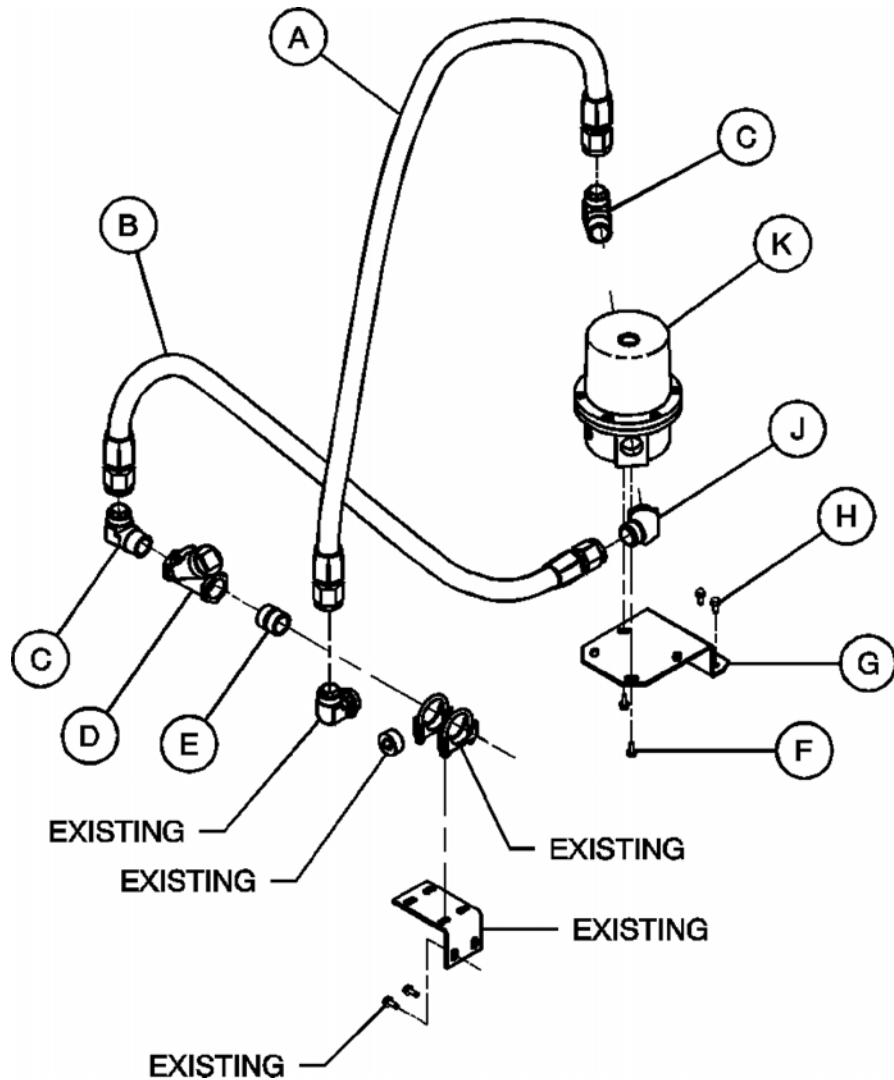
INTERNAL HOSEREEL (cont'd)



airsource_option_07_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	22652010	BRACKET, AIR CLEANER	1	
P	22652028	BRACKET, AIR CLEANER	1	
Q	22619795	BRACKET, HOSE REEL	1	
R	35287721	HOSE ASSEMBLY	1	
S	95219747	ADAPTER, 3/4" NPT X -12 JIC	1	
T	9593865	BUSHING, REDUCING 1.25" TO .75"	1	
U	22529382	GUIDE, HOSE ROLLER	2	
V	22618847	BRACKET, ROLLER GUIDE	1	
W	22646137	RIVET, 3/16 ALUMINUM	5	
X	22643936	HOSE REEL	1	Included w/ Item A
Y	22657365	HOSE, 3/4"	25'	Included w/ Item A
Z	22420293	STOPPER, RURRER HOSE	1	Included w/ Item A

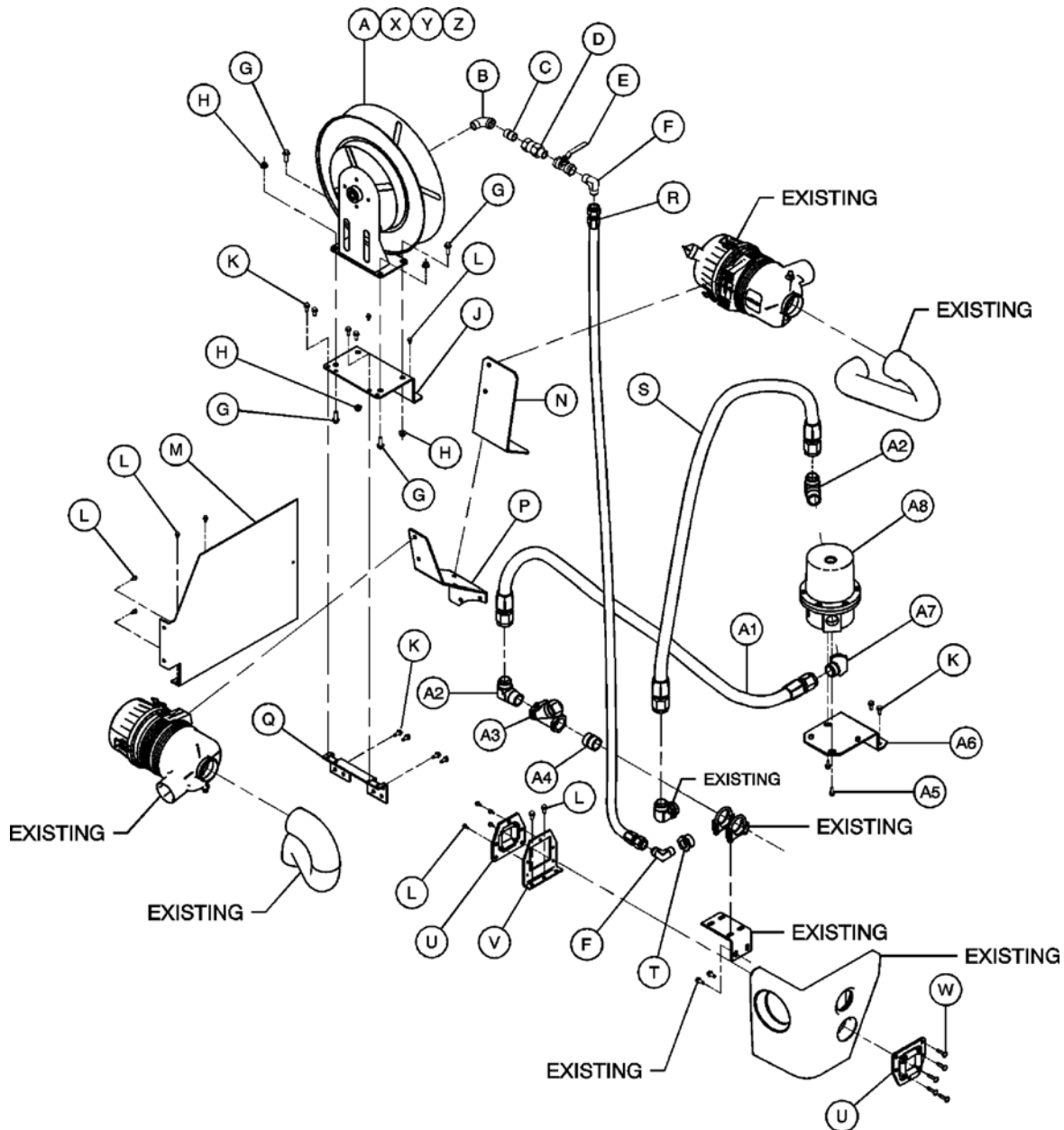
OILER



airsource_option_08_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36886752	HOSE ASSEMBLY	1	Prior to S/N 372409
	35227594	HOSE ASSEMBLY	1	Begin w/ S/N 372409
B	35228956	HOSE ASSEMBLY	1	
C	95219861	ELBOW, 90° 1.25 NPT X -20 JIC	2	
D	95279667	VALVE, SWING CHECK 1.25"	1	
E	95953709	NIPPLE, CLOSE 1.25 NPT X 1.62"	1	
F	35144336	SCREW, LOCKING 5/16-18 X 3/4	2	
G	22626527	BRACKET, OILER MOUNTING	1	
H	35279025	SCREW, TAPPING M08-1.25 X20	2	
J	35108661	ELBOW, 45° 1.25 NPT X 1.25 TUBE	1	
K	35356252	LUBRICATOR, 2 QT 1-1/4NPT	1	
	35255025	LUBRICATOR, 1 QT 1-1/4NPT	1	

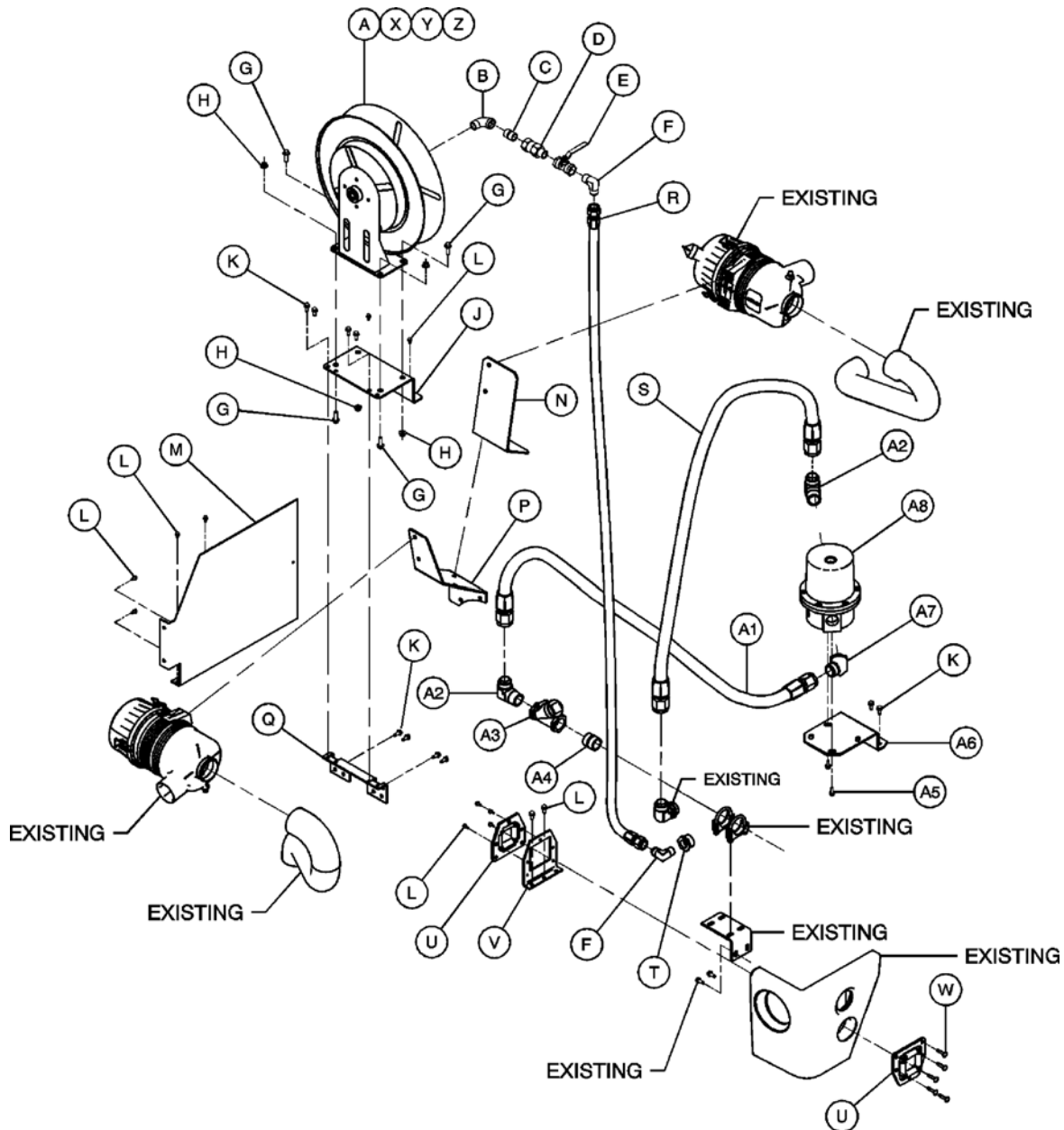
INTERNAL HOSEREEL w/ OILER



airsource_option_09_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22641740	HOSE REEL ASSEMBLY	1	
B	95928172	ELBOW, STREET 3/4" NPT	1	
C	95928040	NIPPLE, CLOSED 3/4" NPT	1	
D	35364397	VALVE, CHECK	1	
E	35576115	VALVE, BALL	1	
F	35294735	ELBOW, 3/4" NPT X -12 JIC	2	
G	36880995	SCREW, HEX FLANGE M10-1.50 x 30	4	
H	36879195	NUT, HEX FLANGE M10-1.50	4	
J	22484869	BRACKET, HOSEREEL	1	
K	35279025	SCREW, TAPPING M08-1.25 X20	10	
L	36797652	SCREW, TAPPING M06-1.0 X 12	13	

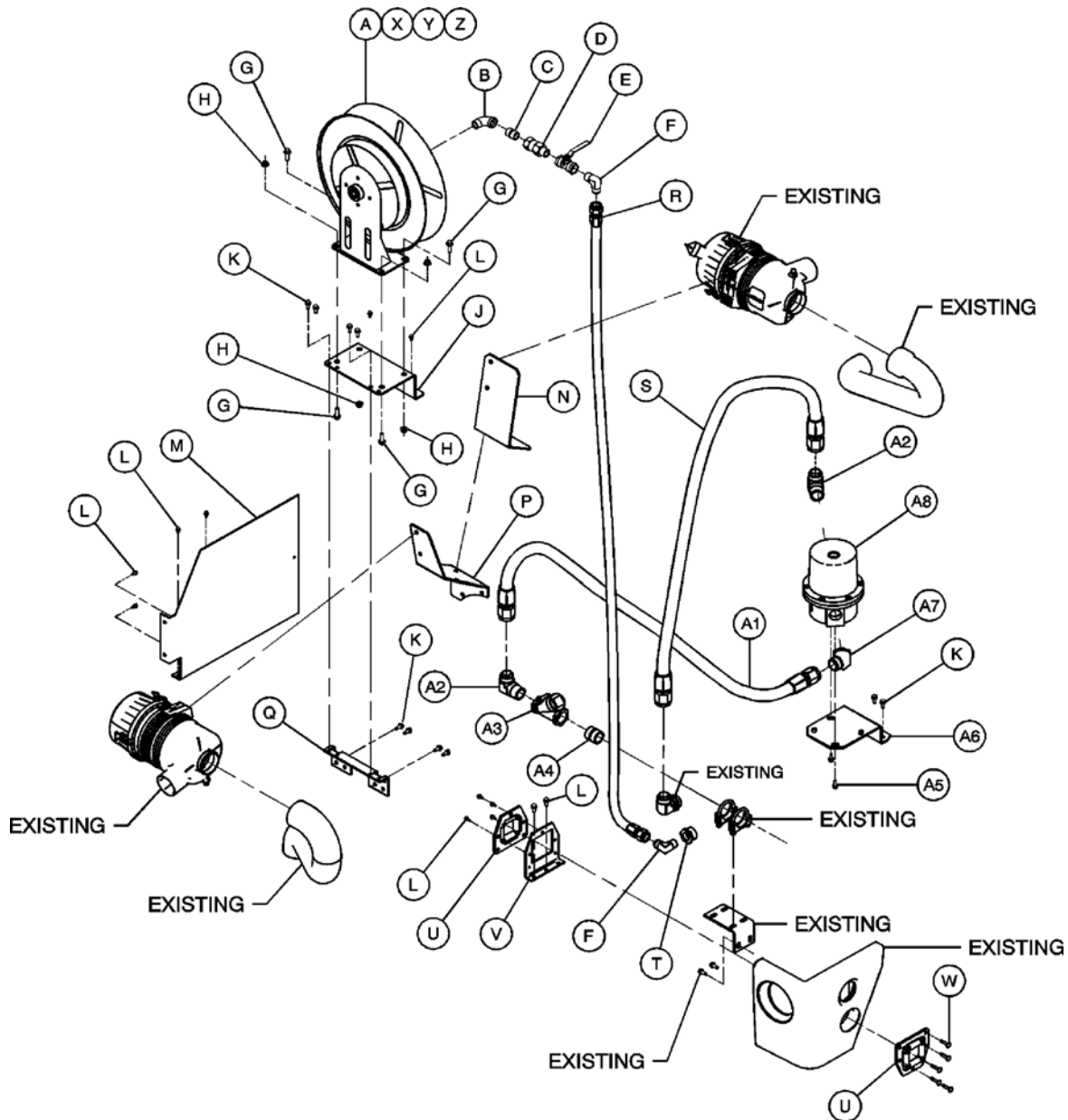
INTERNAL HOSEREEL w/ OILER (cont'd)



airsource_option_09_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	22623763	GUARD, TOOL BOX	1	
N	22652010	BRACKET, AIR CLEANER	1	
P	22652028	BRACKET, AIR CLEANER	1	
Q	22619795	BRACKET, HOSE REEL	1	
R	35287721	HOSE ASSEMBLY	1	
S	36886752	HOSE ASSEMBLY	1	
T	9593865	BUSHING, REDUCING 1.25" TO .75"	1	
U	22529382	GUIDE, HOSE ROLLER	2	
V	22618847	BRACKET, ROLLER GUIDE	1	
W	22646137	RIVET, 3/16 ALUMINUM	5	
X	22643936	HOSE REEL	1	Included w/ Item A

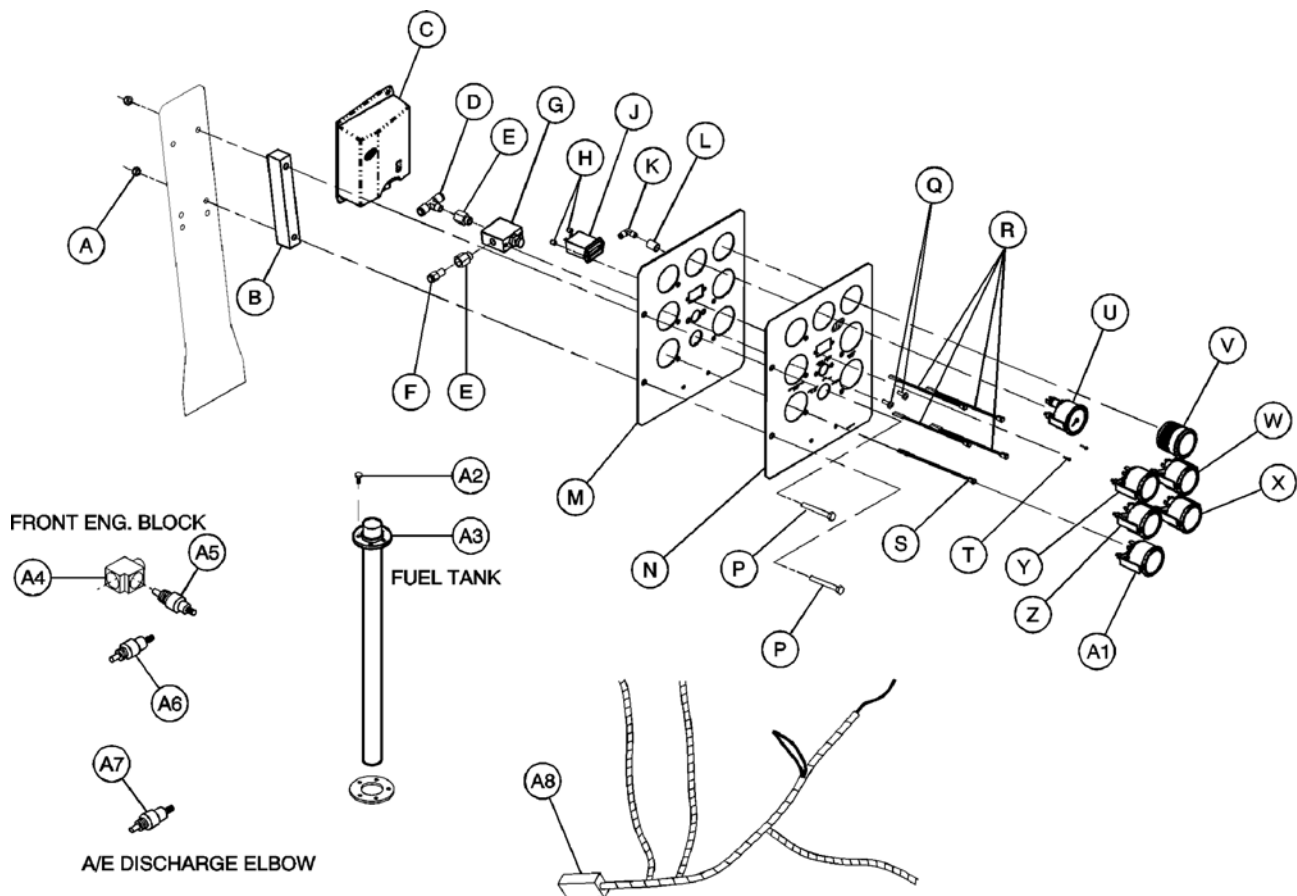
INTERNAL HOSEREEL w/ OILER (cont'd)



airsource_option_09_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Y	22657365	HOSE, 3/4"	25'	Included w/ Item A
Z	22420293	STOPPER, RURRER HOSE	1	Included w/ Item A
A1	35228956	HOSE ASSEMBLY	1	
A2	95219861	ELBOW, 90 ⁰ 1.25 NPT X -20 JIC	2	
A3	95279667	VALVE, SWING CHECK 1.25"	1	
A4	95953709	NIPPLE, CLOSE 1.25 NPT X1.62"	1	
A5	35144336	SCREW, LOCKING 5/16-18 X 3/4	2	
A6	22626527	BRACKET, OILER MOUNTING	1	
A7	35108661	ELBOW, 45 ⁰ 1.25 NPT X 1.25 TUBE	1	
A8	35356252	LUBRICATOR, 2 QT 1-1/4NPT	1	
	35255025	LUBRICATOR, 1 QT 1-1/4NPT	1	

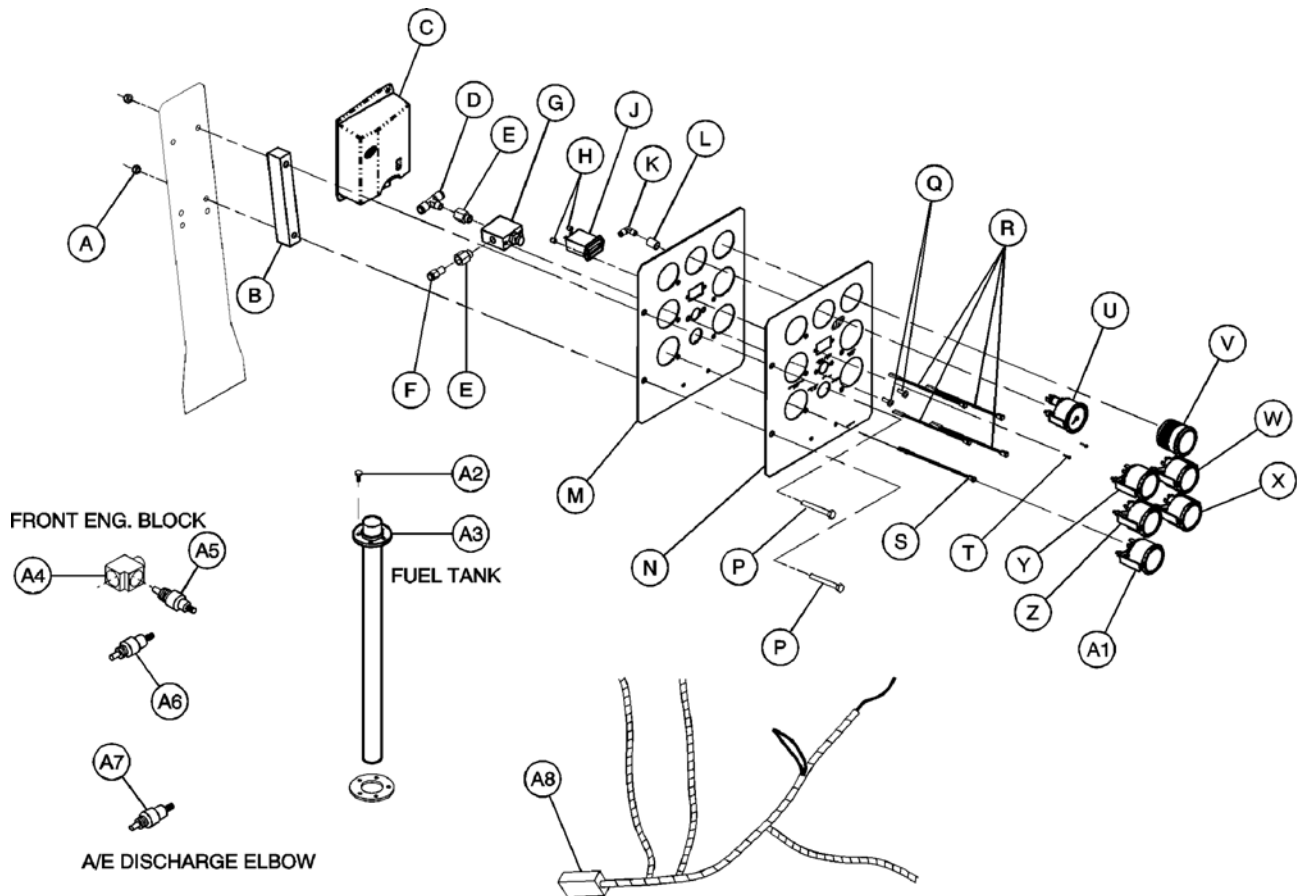
FULL GAUGE INSTRUMENT PANEL



airsource_option_10_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96728431	NUT, HEX NYLOCK M08-1.25	2	
B	22597231	SPACER, BLOCK	1	
C	22582068	CONTROLLER	1	
D	35373976	TEE, MALE BRANCH 1/4 NPT X 3/8 TUBE	1	
E	35302314	ADAPTER, 9/16-18 SAE X 1/4 NPT	2	
F	35369347	CONNECTOR, 1/4 NPT X 3/8 TUBE	1	
G	36783439	VALVE, 2-WAY START RUN	1	
H	22054159	NUT, PLASTIC #4-40	2	
J	22054175	HOURMETER	1	
K	36891547	ELBOW, 1/8 NPTF X 1/8 TUBE	1	
L	95935599	COUPLING, 1/8 NPT X .75"	1	

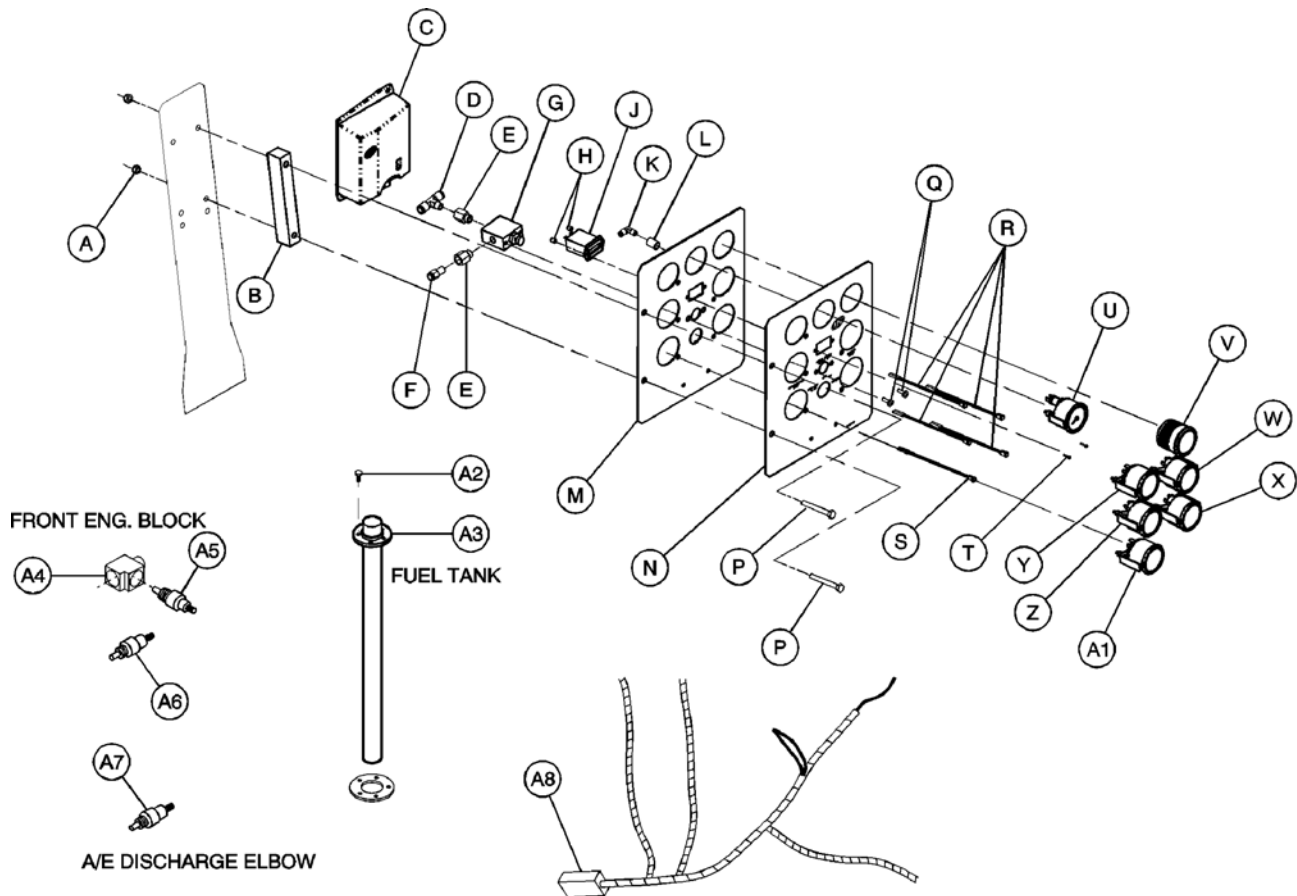
FULL GAUGE INSTRUMENT PANEL (cont'd)



airsource_option_10_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	22597009	PLATE, INSTRUMENT PANEL	1	
N	22597017	LAMINATE, INSTRUMENT PANEL	1	
P	36786382	SCREW, HEX M08-1.25 X 70	2	
Q	22090898	SCREW, PAN HEAD M06-1.0 X 16	2	
R	22524292	LIGHT, RED LED	4	
S	22524763	LIGHT, YELLOW LED	1	
T	95775599	SCREW, SLOT ROUND HEAD #4-40 X 1/2	2	
U	22595888	GAUGE, PRESSURE	1	Compressor Air Dischg.
V	22456263	TACHOMETER	1	
W	22456248	GAUGE, TEMPERATURE	1	Engine Water Temp.
X	22456909	GAUGE, PRESSURE	1	Engine Oil Pressure

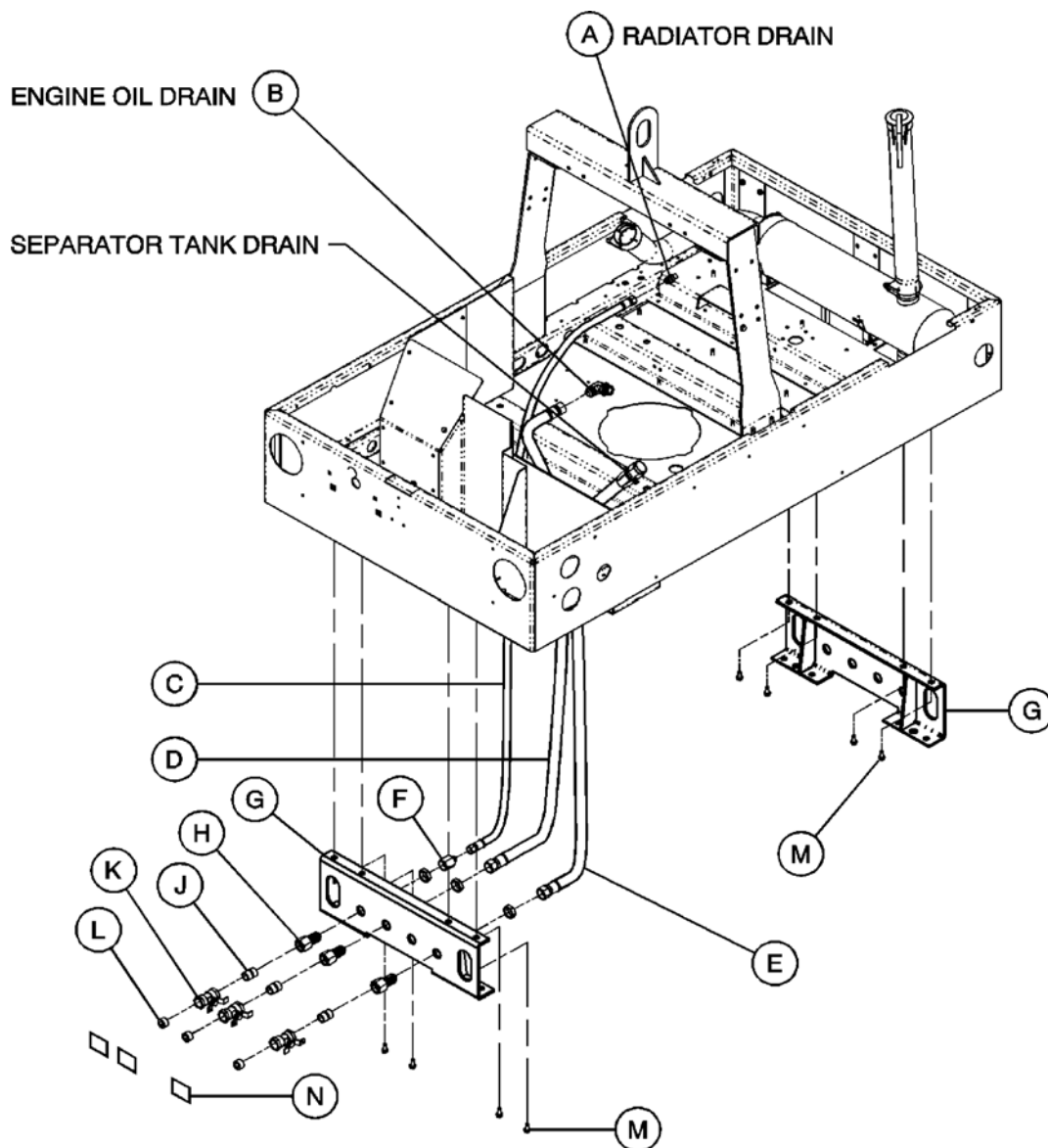
FULL GAUGE INSTRUMENT PANEL (cont'd)



airsource_option_10_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Y	22532295	GAUGE, FUEL LEVEL	1	Air End Temp.
Z	22456248	GAUGE, TEMPERATURE	1	
A1	22456230	VOLTMETER	1	
A2	22752992	SCREW, HEX SHEETMETAL #10 X 1.25"	5	Engine Oil Pressure Engine Water Temp. Air End Temp.
A3	22540645	SENDER, FUEL LEVEL	1	
A4	39127287	TEE, STREET 1/8 NPT	1	
A5	36870608	SENDER, PRESSURE	1	
A6	35367218	SENDER, TEMPERATURE	1	
A7	35372457	SENDER, TEMPERATURE	1	
A8	22513519	HARNESS, IR OPTION	1	

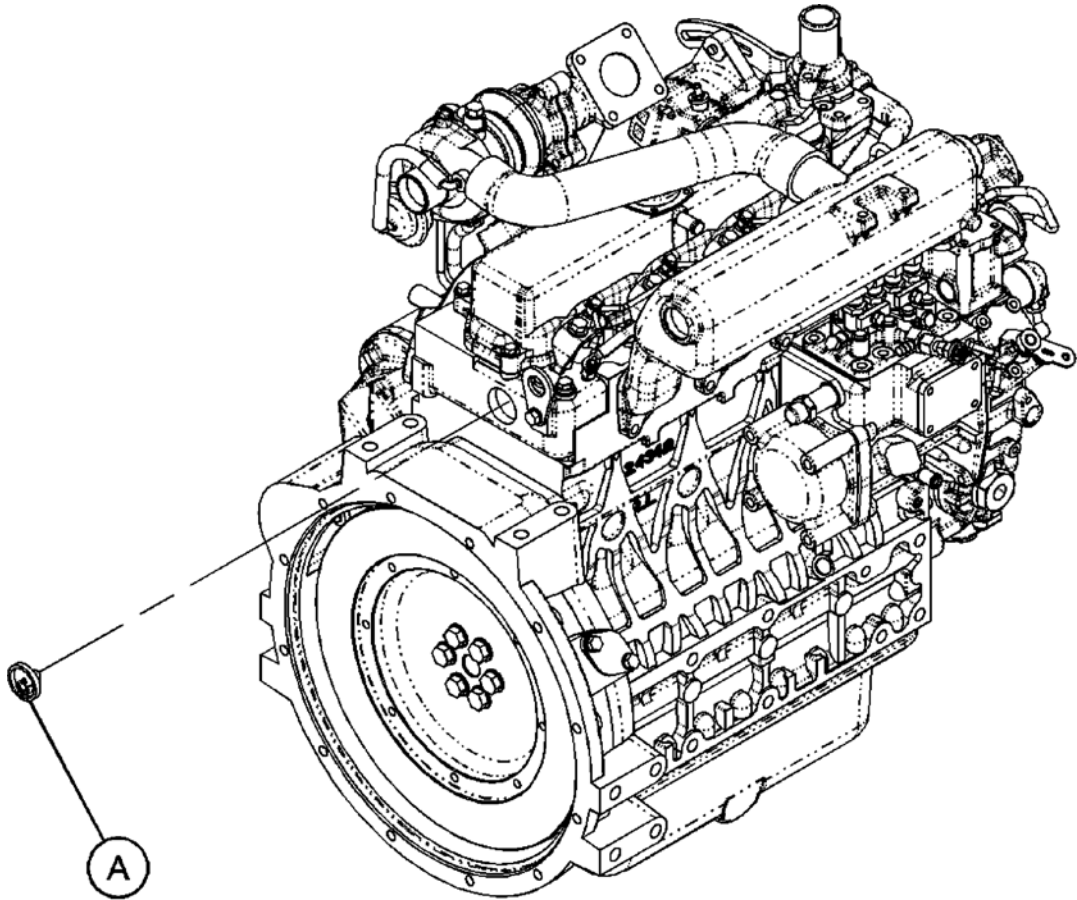
LRG and CENTRAL DRAINS



airsource_option_11_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35283134	CONNECTOR, 1/4 NPT X -8 JIC	1	Radiator Drain Oil Drain Separator Tank Drain
B	22431167	ELBOW, M22-1.5 X -12 JIC	1	
C	35306679	HOSE ASSEMBLY	1	
D	35287705	HOSE ASSEMBLY	1	
E	22180889	HOSE ASSEMBLY	1	
F	35365774	REDUCER, TUBE 3/4" to 1/2"	1	
G	22383764	SUPPORT, LRG	2	
H	35287747	BULKHEAD FITTING, 3/4" X -12 JIC	3	
J	95928040	NIPPLE, CLOSE 3/4 NPT X 1.38"	3	
K	36777399	VALVE, T-HANDLE BALL 3/4 NPT	3	
L	95947149	PLUG, HEX COUNTERSINK 3/4 NPT	3	
M	36879492	SCREW, HEX FLNGE M12-1.75 X 25	8	
N	36524791	DECAL, FLUID DRAIN	1	

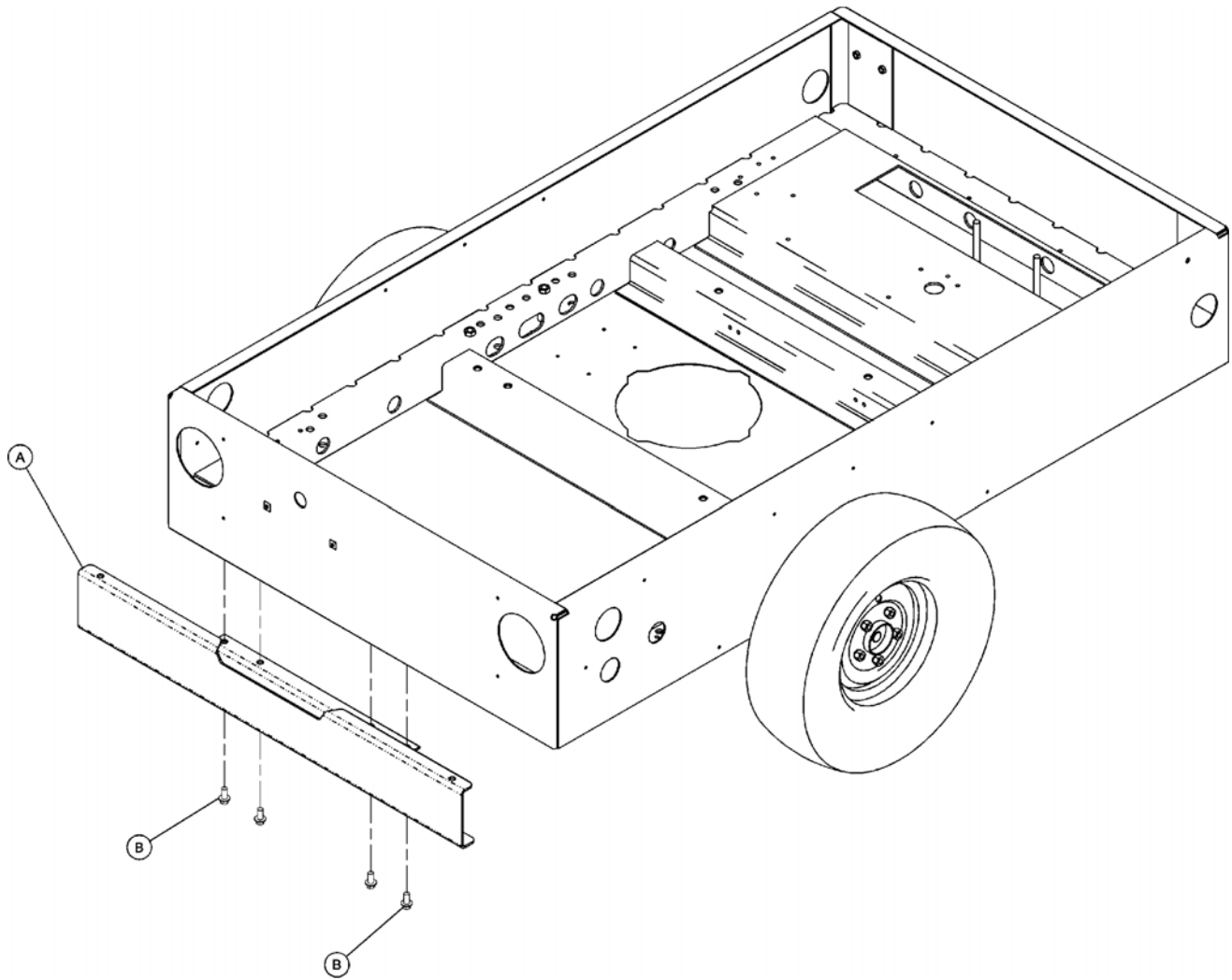
BLOCK HEATER



airsource_option_12_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22721914	BLOCK HEATER	1	

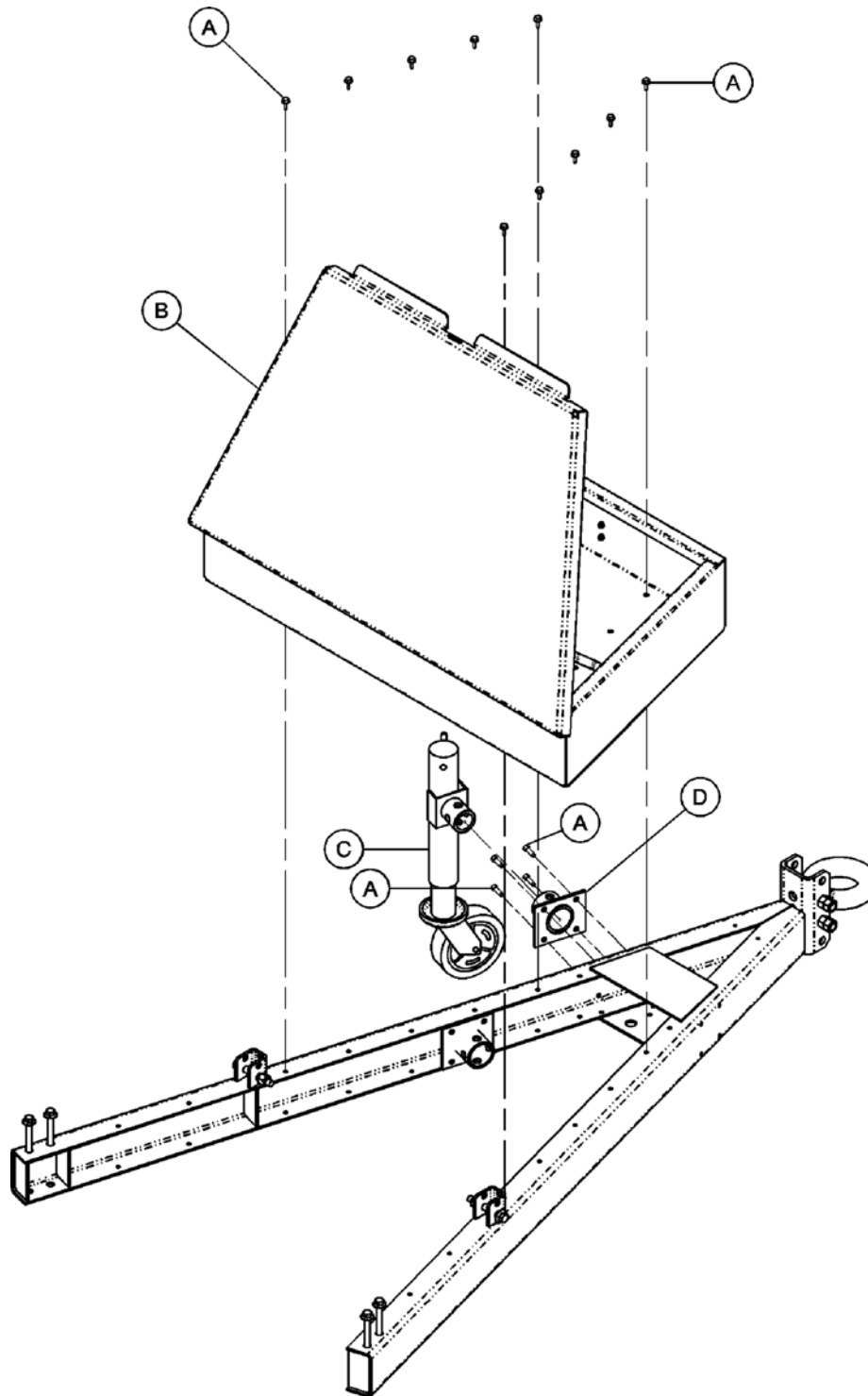
BUMPER



airsource_option_13_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22658918	BUMPER, REAR	1	
B	96750765	SCREW, HEX FLANGE M12-1.75 X 25	4	

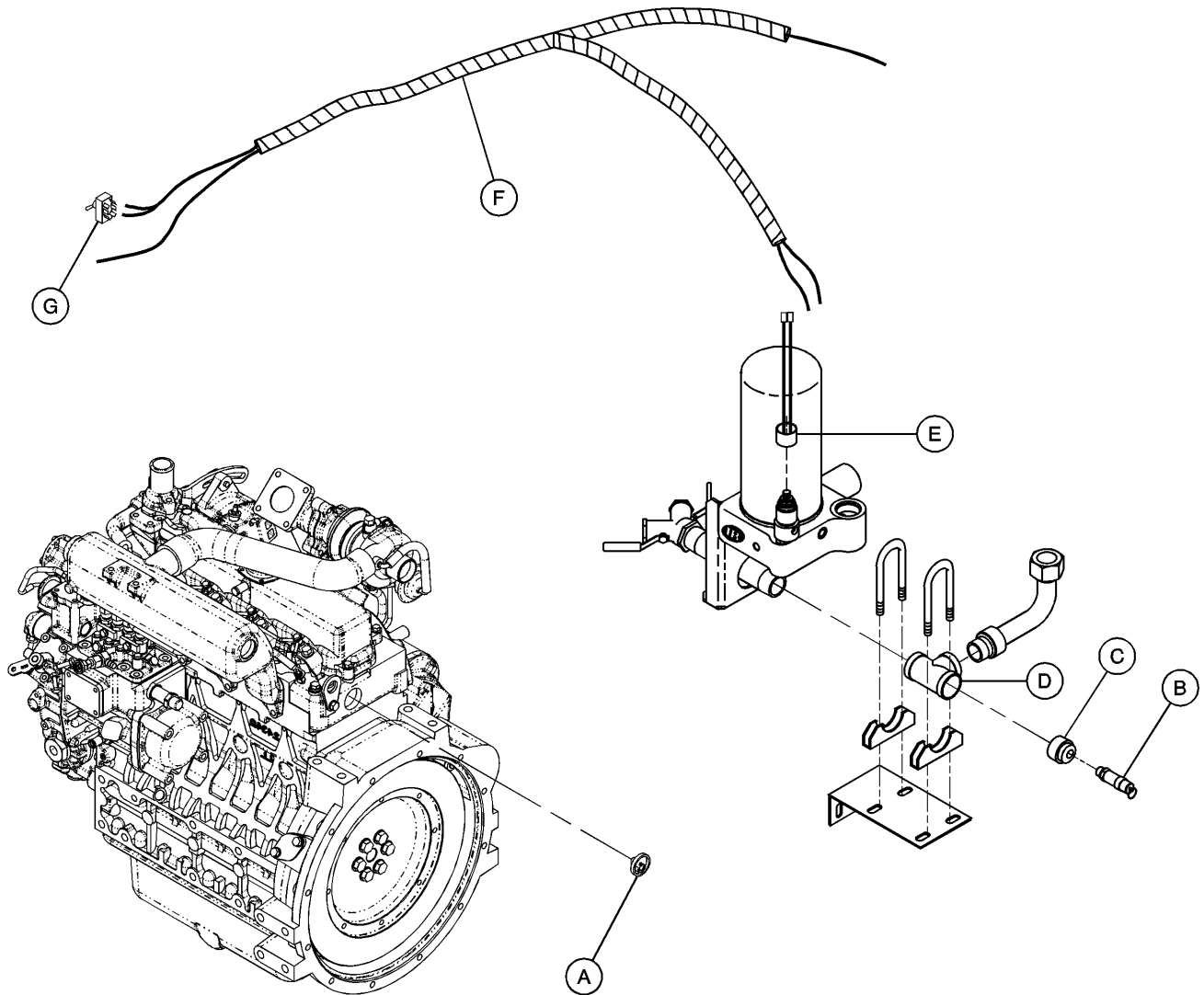
EXTERNAL TOOLBOX



airsource_option_14_12/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22538490	SCREW, TAPPING M08-1.25 X 20	14	
B	22655849	BOX, EXTERNAL TOOL	1	
C	22564611	JACK ASM.	1	Relocate
D	22586168	TUBE, JACK MOUNTING	1	Relocate

COLD WEATHER



airsource_option_05-ir_06/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22721914	HEATER, BLOCK	1	
B	35325166	VALVE, SAFETY	1	
C	95940912	BUSHING, REDUCING 1.25 NPT X 0.50 NPT	1	
D	95954236	TEE, 1.25NPT	1	
E	22810444	HEATER, 12 V REGULATOR	1	
F	22821722	HARNESS, ORIFICE HEATER	1	
G	35337435	SWITCH, TOGGLE	1	

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