



PARTS MANUAL

COMPRESSOR MODEL

AIRSOURCE

BEGIN with SERIAL NUMBER **351086**



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.



P.O. Box 868 - 501 Sanford Ave
Mocksville, N.C. 27028

Book 22546964 (02/05)

Revised (09-12)

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Section - 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

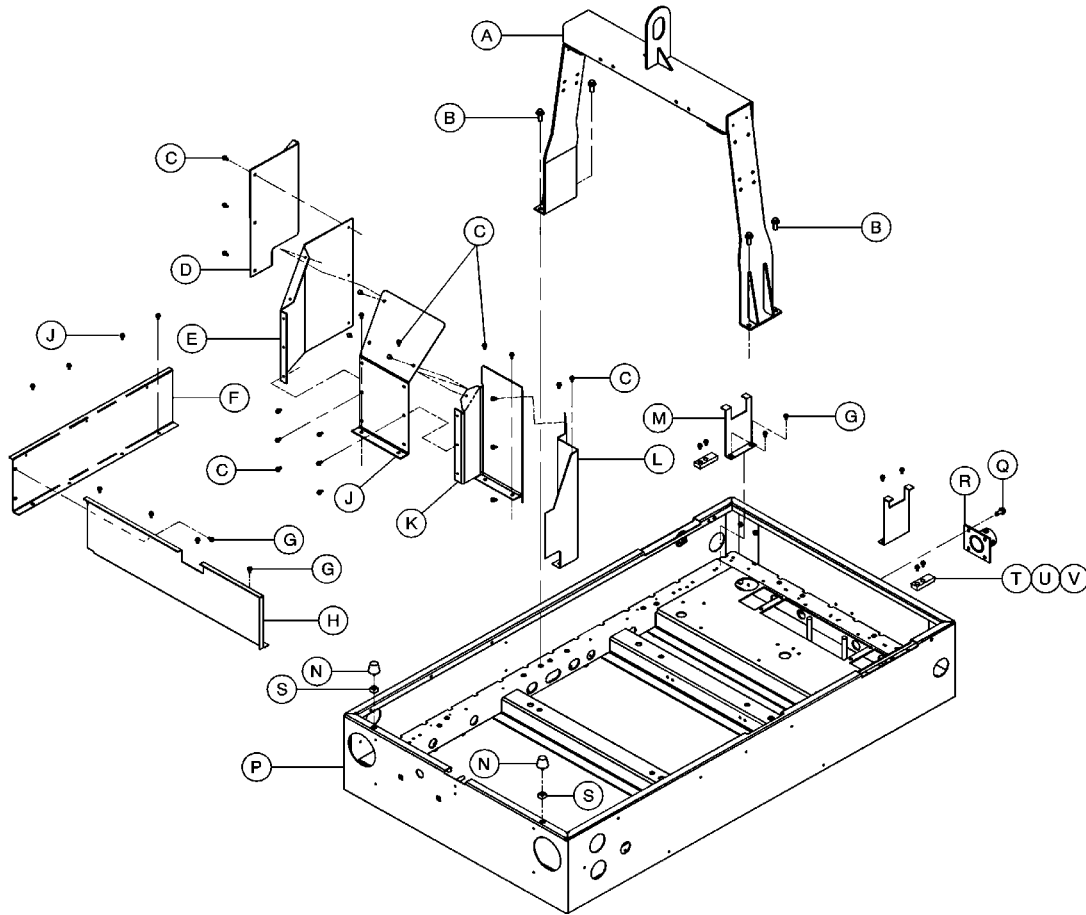
Always specify the model and serial number of the unit.

Specify the part number and description.

Section A - PARTS



FRAME & LIFTING BAIL ASSEMBLY
FRAME & LIFTING BAIL ASSEMBLY

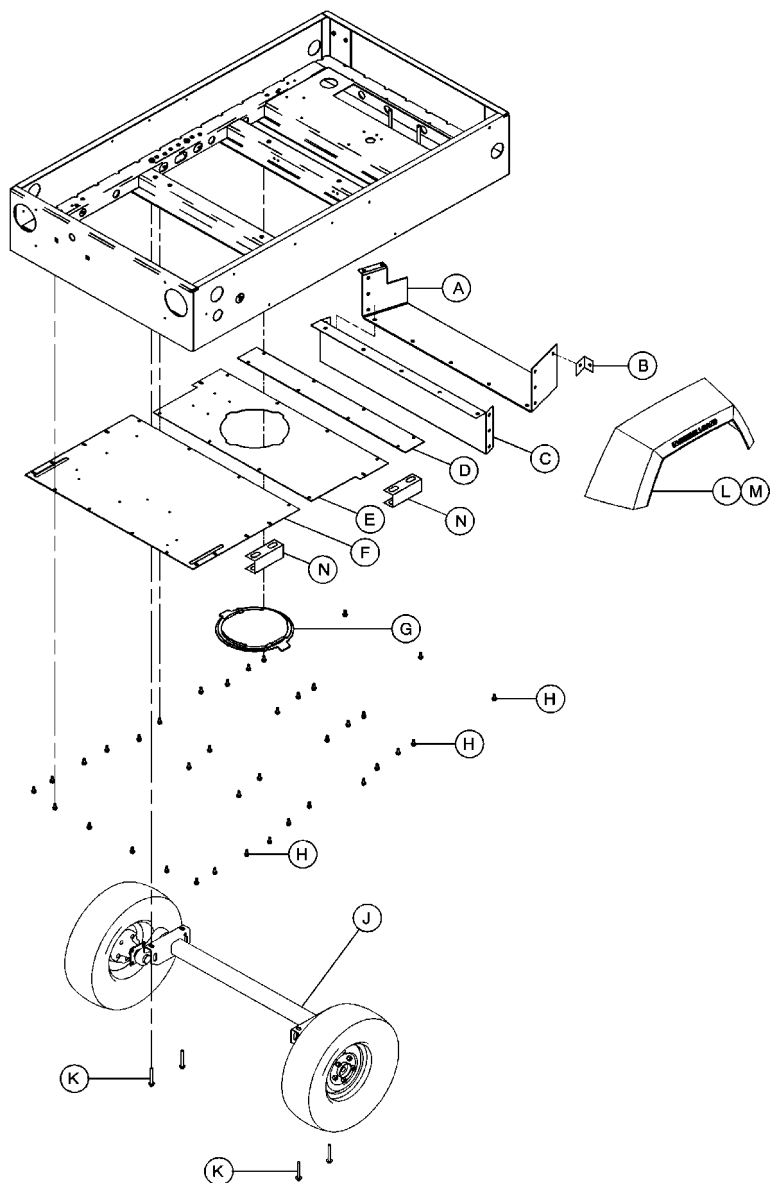


22546964_001_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36879023	NUT, HEX FLANGE HD M12-1.75	4	
B	22377485	LIFTING BAIL	2	
C	36888055	SCREW, HEX FLANGE HD M12-1.75 X 30	8	
D	22378087	EYE, LIFTING	1	
E	36797652	SCREW, TAPPING M06-1.0 X 12 TAN	25	
F	22528210	BAFLE, TOOL BOX FRONT	1	
G	22560767	GUARD, TOOL BOX SIDE	1	
H	22535942	GUARD, TOOL BOX FRAME SIDE	1	
J	22538512	SCREW, TAPPING M06-1.0 X 12 BLACK	14	
K	22535959	GUARD, TOOL BOX REAR	1	
L	22560791	GUARD, TOOL BOX COVER	1	
M	22560775	GUARD, TOOL BOX MIDDLE	1	
N	22560783	GUARD, TOOL BOX CURB SIDE	1	
P	22538367	GUARD, LIGHT	2	
Q	35279025	SCREW, TAPPING M08-1.25 X 20	4	
R	36796068	TUBE, JACK MOUNTING	1	
S	22330294	FRAME	1	
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

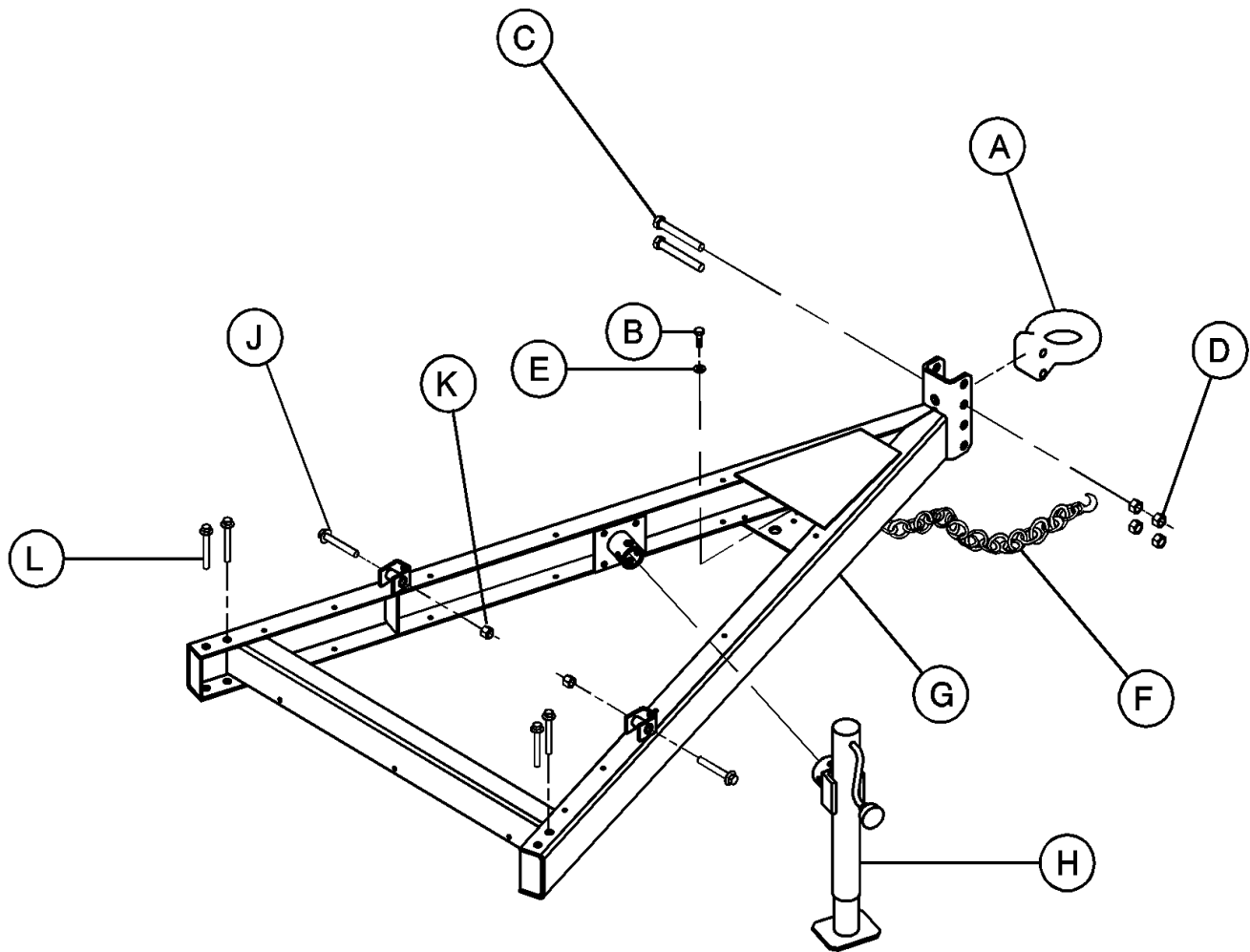
FRAME & BELLY PAN ASSEMBLY



2249691-002_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22585459	BOX, EXHAUST	1	
B	22585442	BAFFLE, EXHAUST	1	
C	22585467	BRACKET, EXHAUST	1	
D	22337877	PAN, FRONT BELLY	1	
E	22337869	PAN, MIDDLE BELLY	1	
F	22337851	PAN, REAR BELLY	1	
G	36880623	COVER, FLEXABLE	1	
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	
N	22597561	BRACKET, SHIPPING	4	

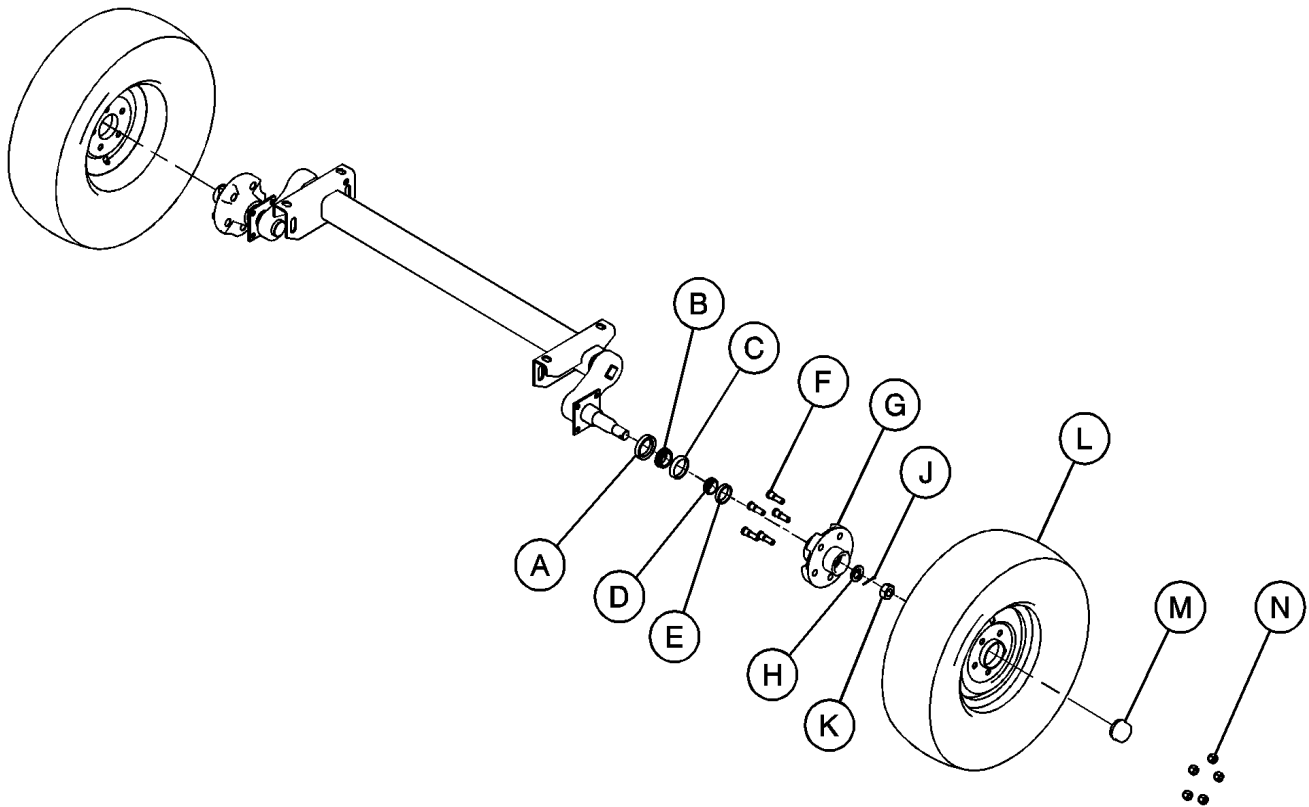
DRAWBAR ASSEMBLY
DRAWBAR ASSEMBLY



22546964_003_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22507008	PLATE, DRAWBAR	1	
B	35279025	SCREW, TAPPING M08-1.25 X20	13	
C	35376094	SCREW, HEX M16-2.0 X 120	2	
D	35605187	EYE, 3" PINTEL	1	
E	96701750	NUT, HEX M16-2.0	4	
F	95934907	WASHER, FLAT 7/16" X 1.0"	2	
G	22144521	CHAIN/HOOK ASM.	2	
H	22271696	DRAWBAR ASM.	1	
J	36923415	JACK ASM.	1	
K	96747282	SCREW, HEX FLANGE HD M14-2.0 X 90	2	
L	96728555	NUT, NYLOC M14-2.0	2	
M	96747290	SCREW, HEX FLANGE M12-1.75 X 90	4	
N	22514996	BOX, EXHAUST	1	

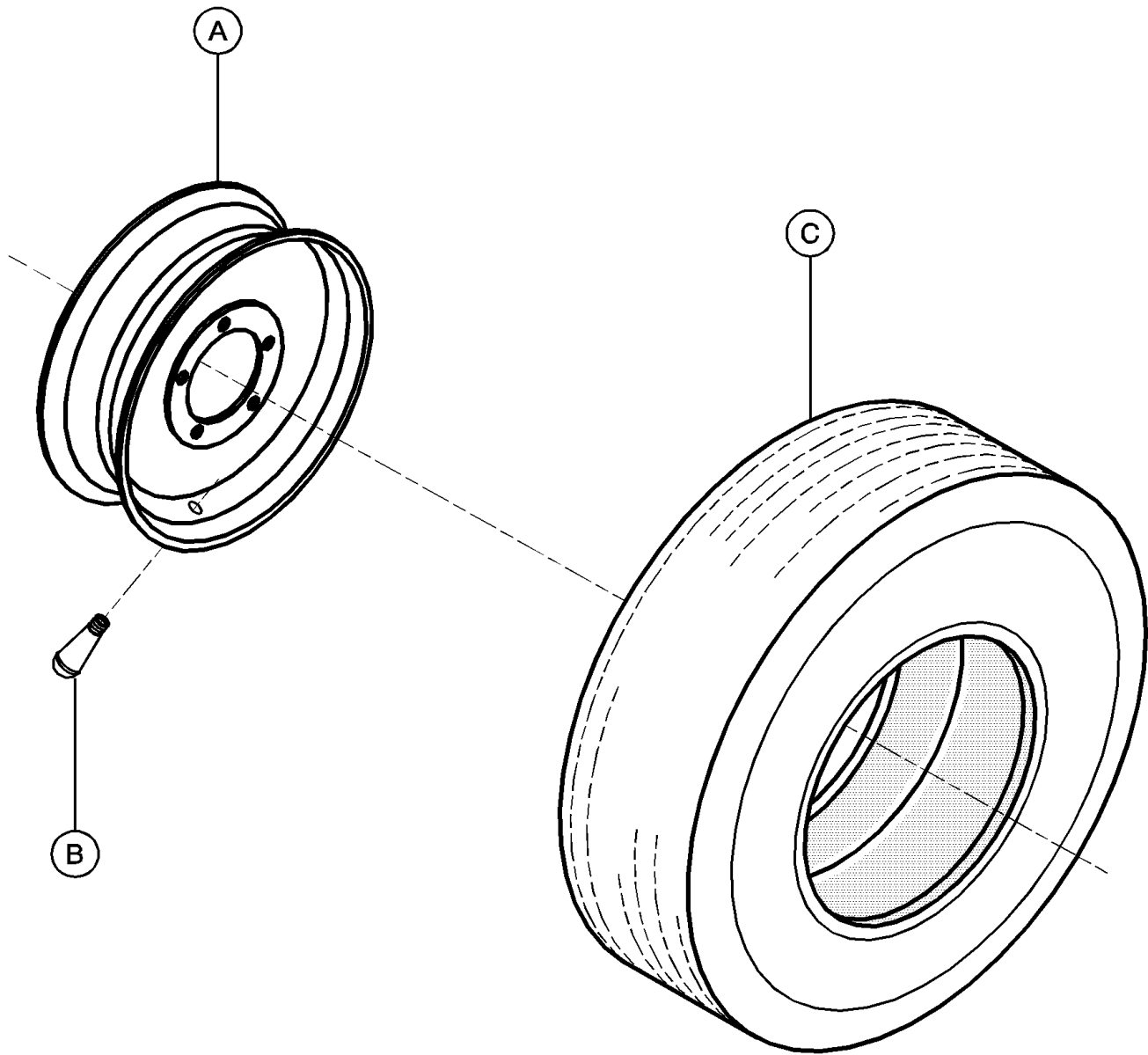
RUNNING GEAR
RUNNING GEAR



22546964_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	

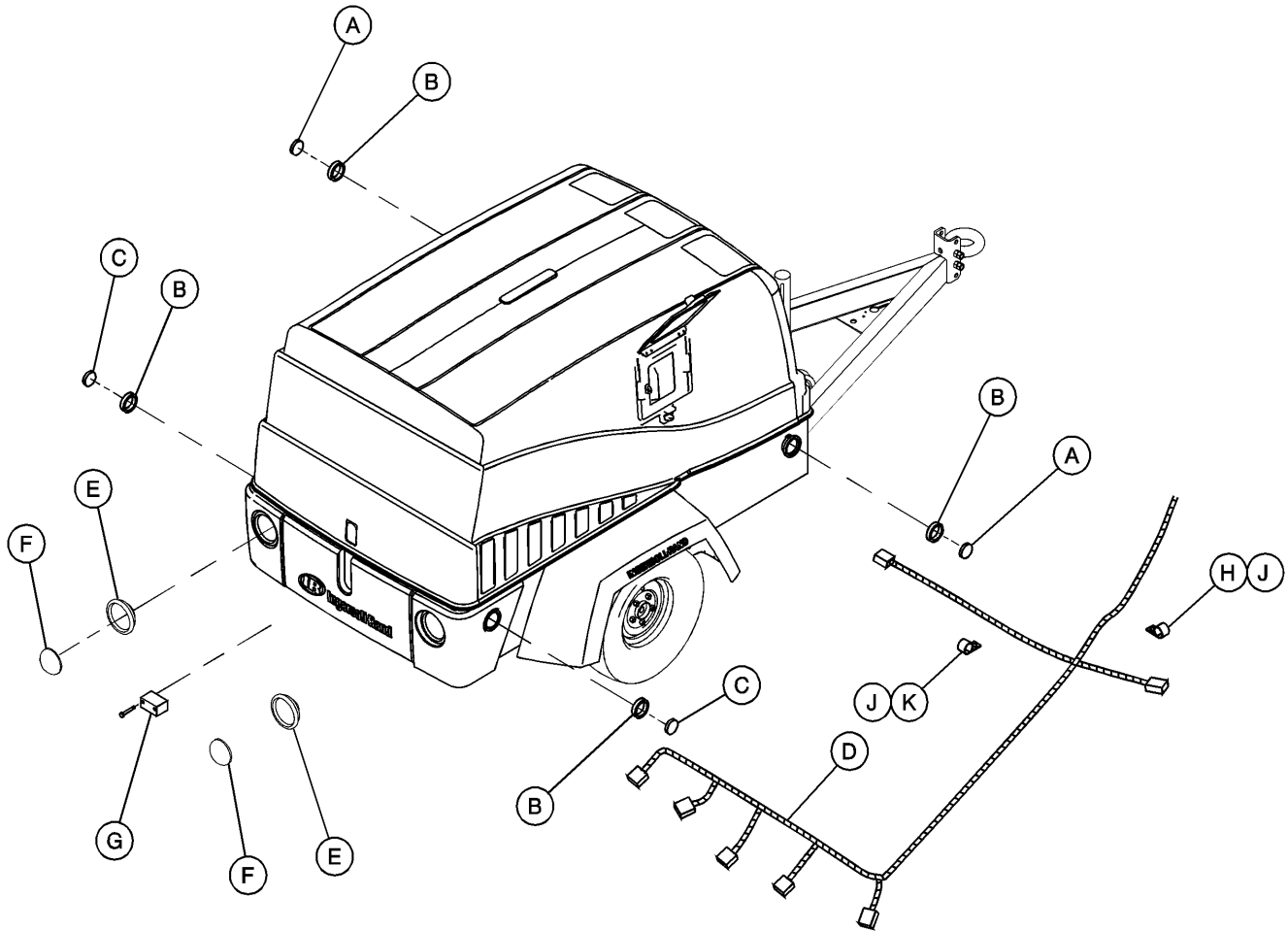
15" TIRE & WHEEL ASSEMBLY
15" TIRE & WHEEL ASSEMBLY



22546964_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
TAIL LIGHT WIRING

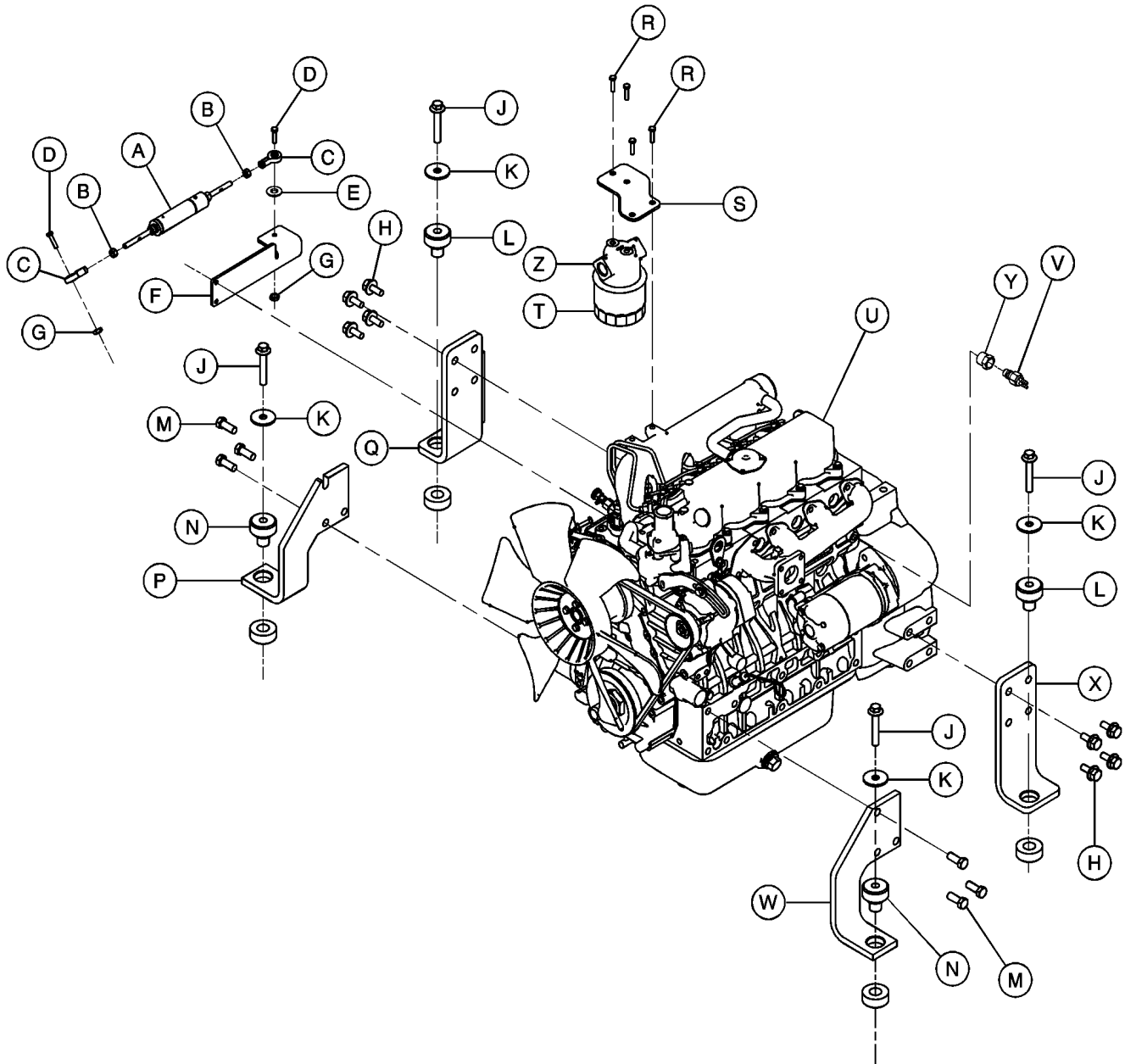


22546964_006_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35367051	LAMP, AMBER CLEARANCE	2	
B	36893734	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

ENGINE MOUNTING

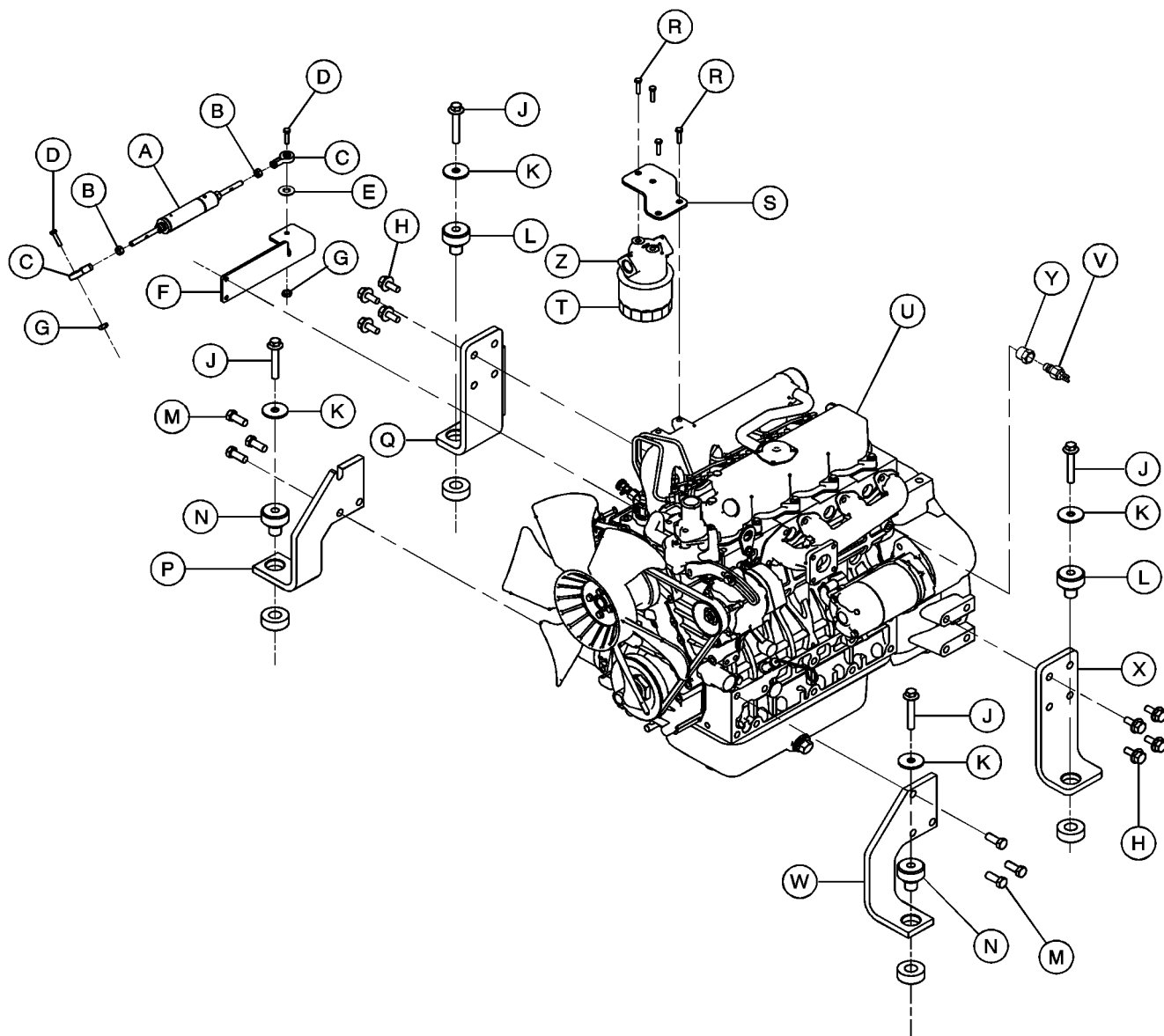


22546964_007_2/05_A

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	1	
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	
J	96747225	SCREW, HEX FLANGE M12-1.75 X 70	4	
K	54429295	WASHER, SNUBBING	4	
L	22429666	ISOLATOR	2	

ENGINE MOUNTING

ENGINE MOUNTING

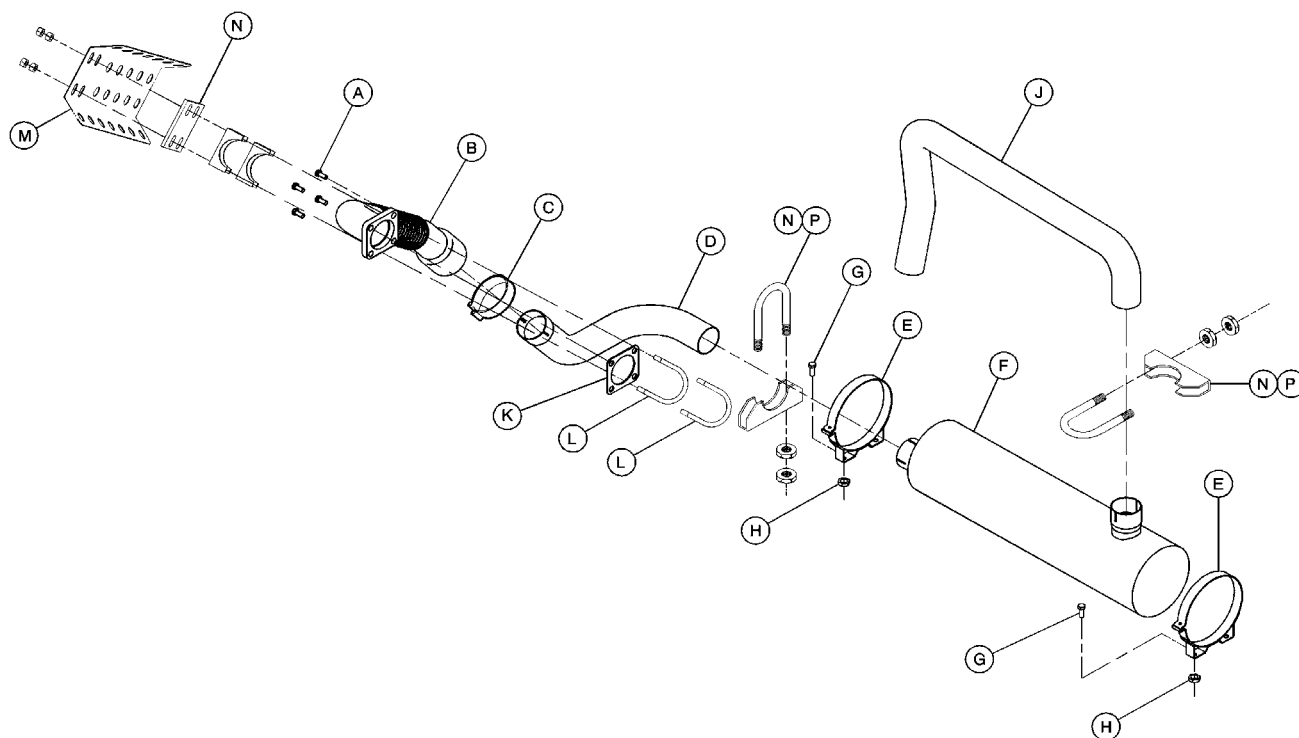


22546964_007_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
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	22449581	ENGINE, 4IRX3N	1	
V	36878379	SWITCH, PRESSURE 12PSI	1	
W	22414932	BRACKET, ENG FRT MOUNT STSD	1	
X	22376719	BRACKET, ENG REAR MOUNT STSD	1	
Y	96746334	ADAPTER, 1/8BSPT X 1/8NPT	1	
Z	22568406	COVER, OIL FILTER	1	

ENGINE EXHAUST

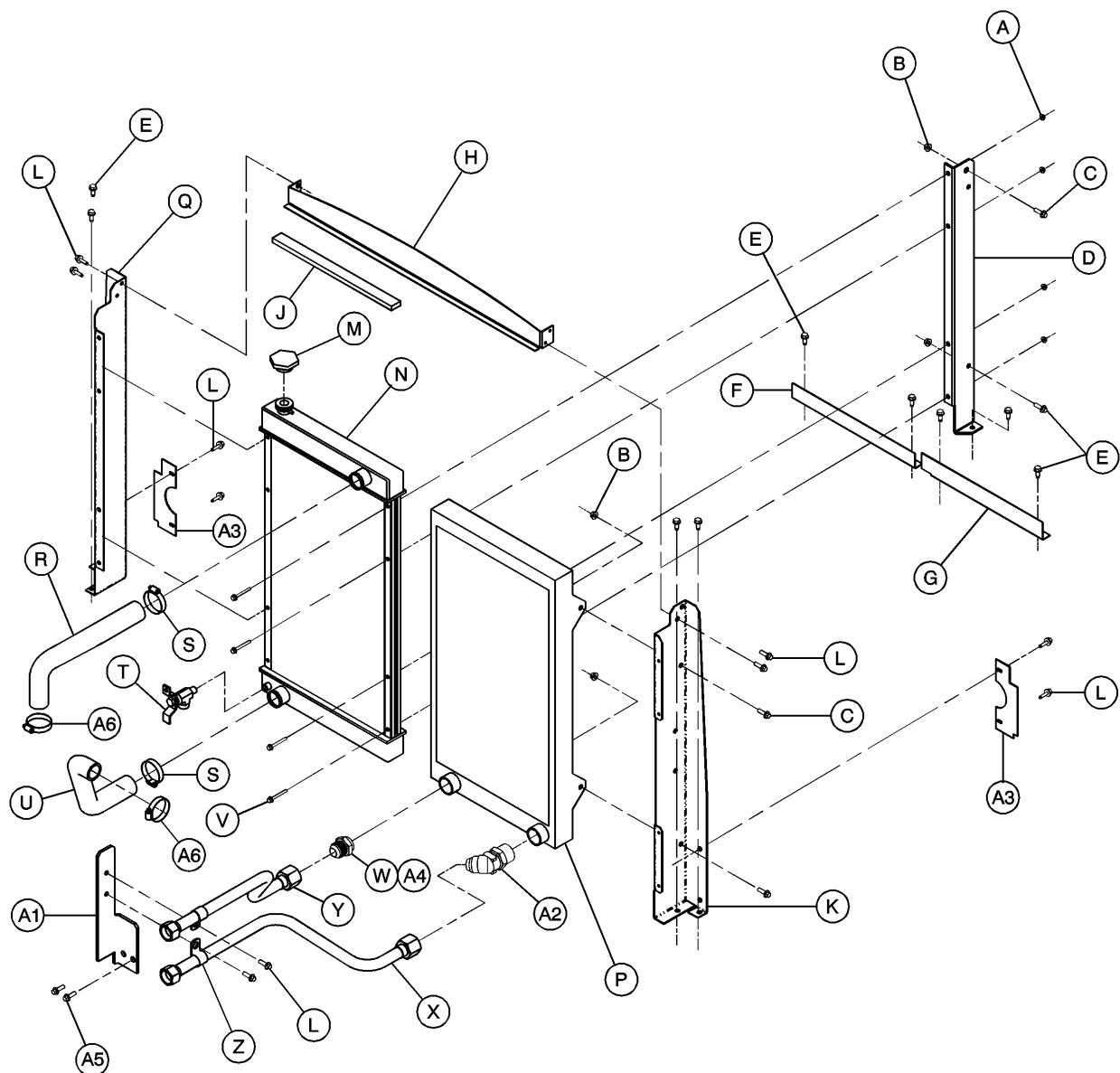
ENGINE EXHAUST



22546964_008_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702055	SCREW, HEX M08-1.25 X 20	4	
B	22449664	TUBE, EXHAUST	1	
C	35296060	CLAMP, EXHAUST SEAL 2.5"	3	
D	22378467	TUBE, EXHAUST	1	
E	35585009	BAND, AIR CLR MTG	2	
F	22179246	MUFFLER	1	
G	36889608	SCREW, HEX FLANGE 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	
M	22539423	SHIELD, HEAT	1	
N	96746334	ADAPTER, 1/8BSPT X 1/8NPT	1	

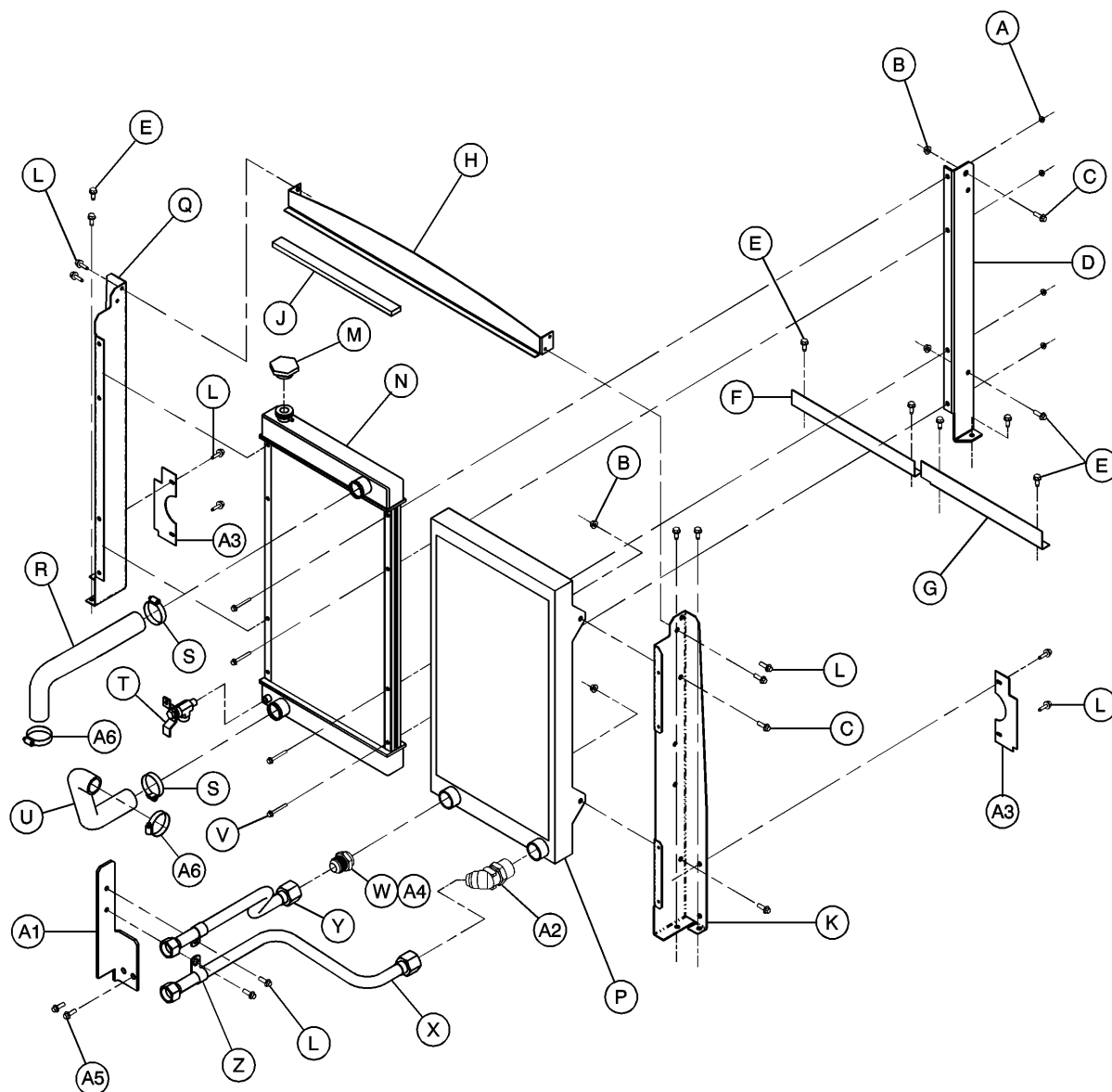
COOLING COMPLETE
COOLING COMPLETE



22546964_009_2/05_A

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	
L	36797652	SCREW, TAPPING M06-1.0 X 12	8	
M	36769560	CAP, RADIATOR	1	
N	22482277	RADIATOR	1	

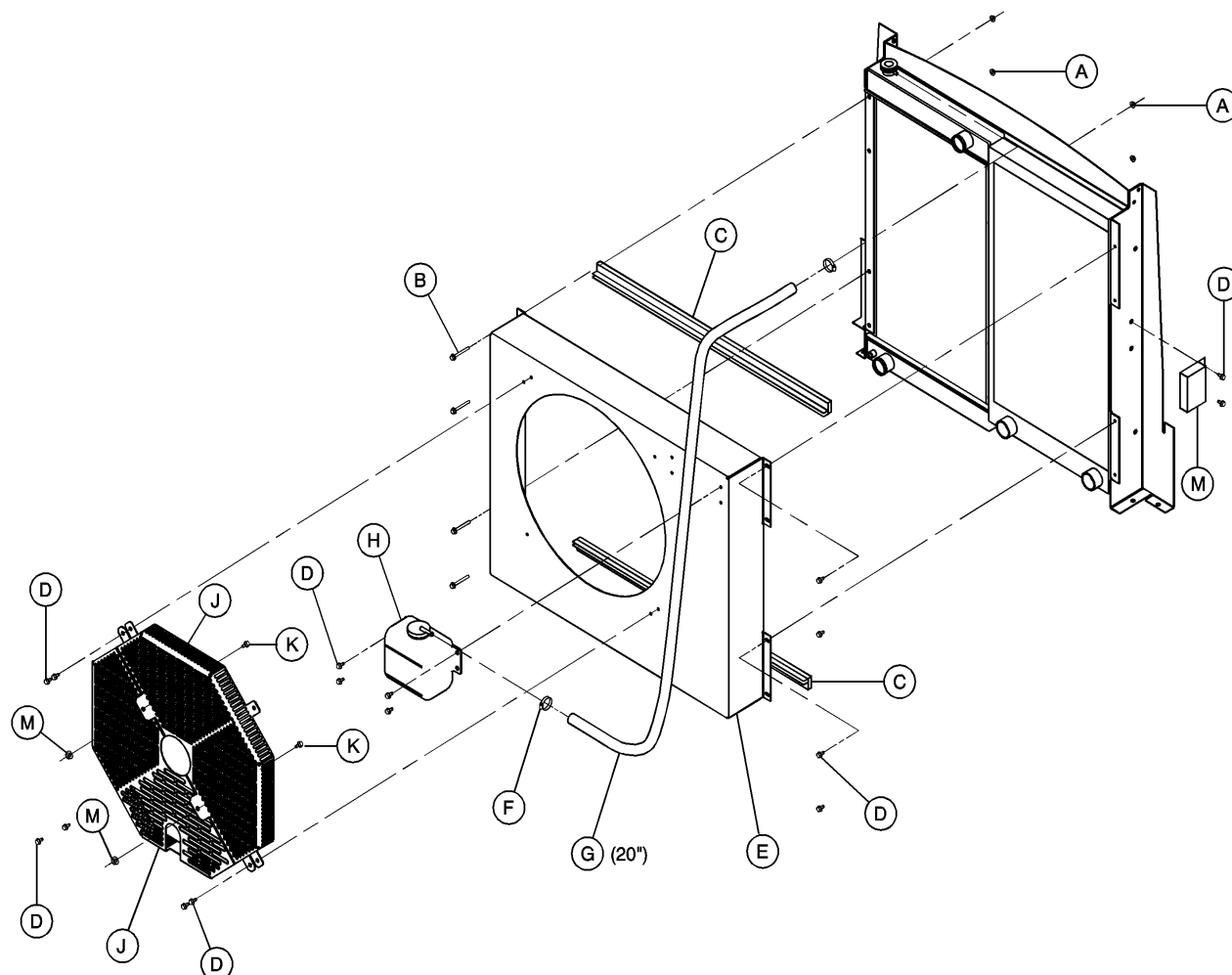
COOLING COMPLETE
COOLING COMPLETE



22546964_009_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
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	
W	35295880	CONNECTOR, 1-1/16SAE X -12JIC	1	
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, 45o 1.06-16 X 3/8 TUBE	1	

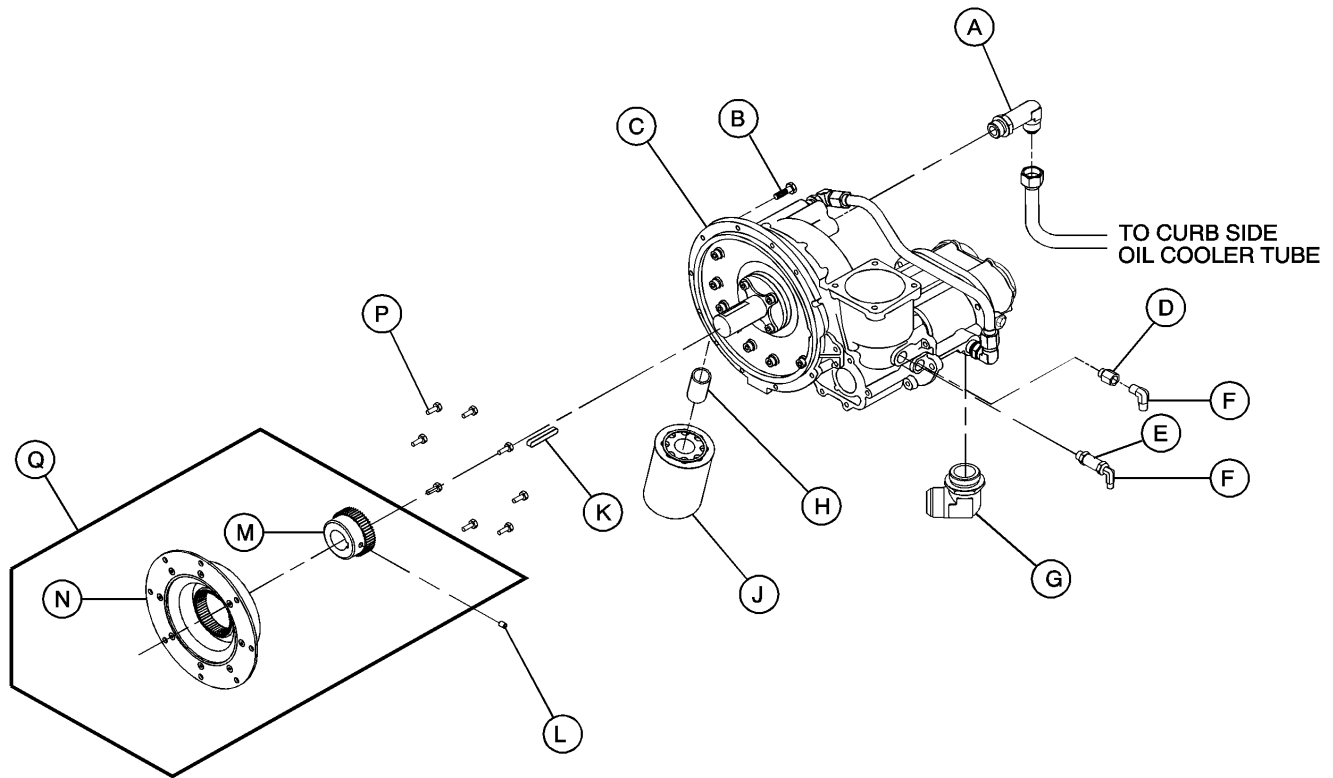
FAN GUARD & SHROUD



22546964_010_2/05_A

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	22489678	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	22515860	MODULE, ELECTRONIC	1	

AIREND COMPLETE
AIREND COMPLETE

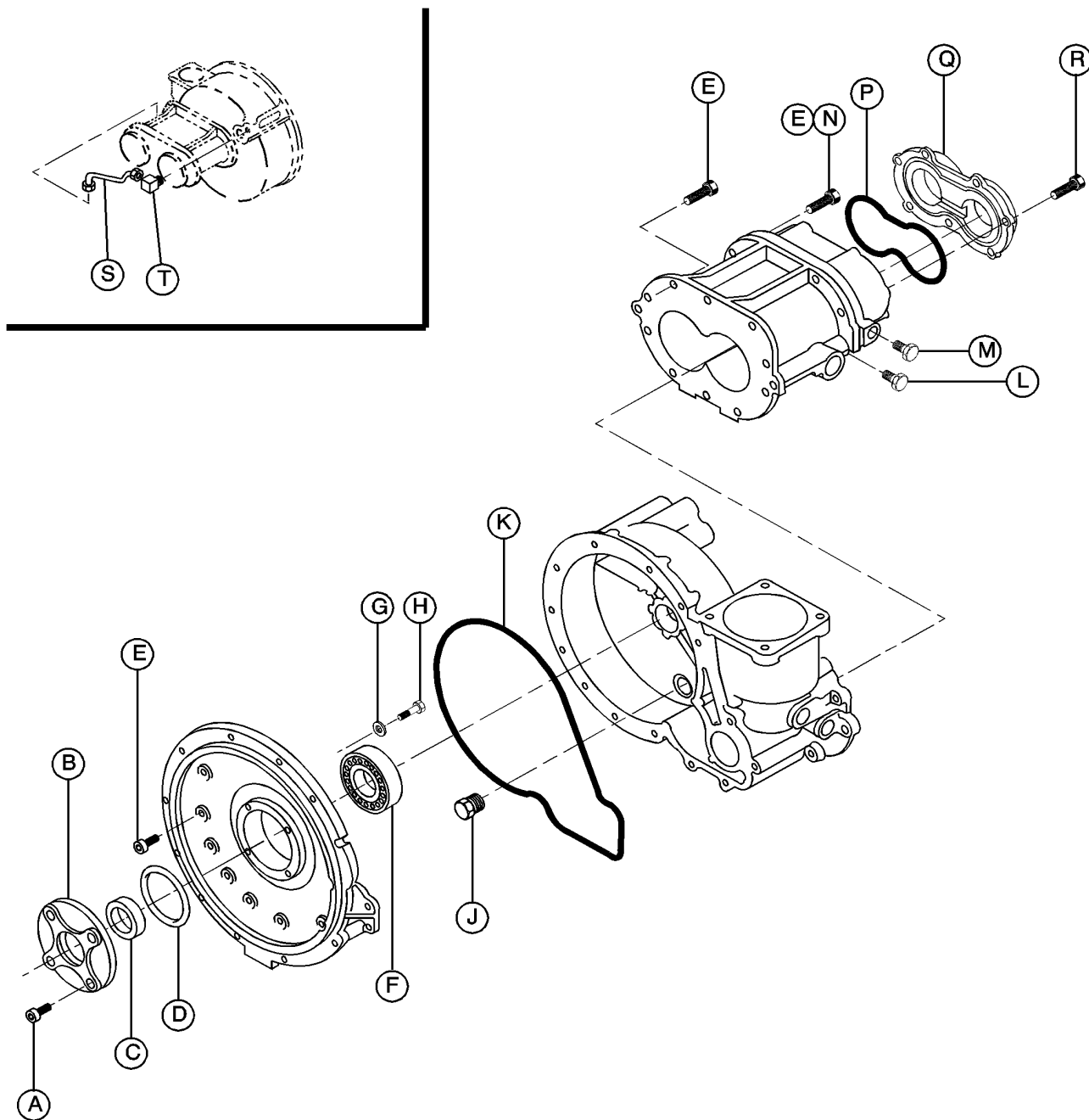


22546964_011_2/05_A

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	95220604	SCREW, HEX SOCKET HD 3/8-16 X .75	8	
Q	22509681	COUPLING ASM., DRIVE	1	

AIREND ASSEMBLY

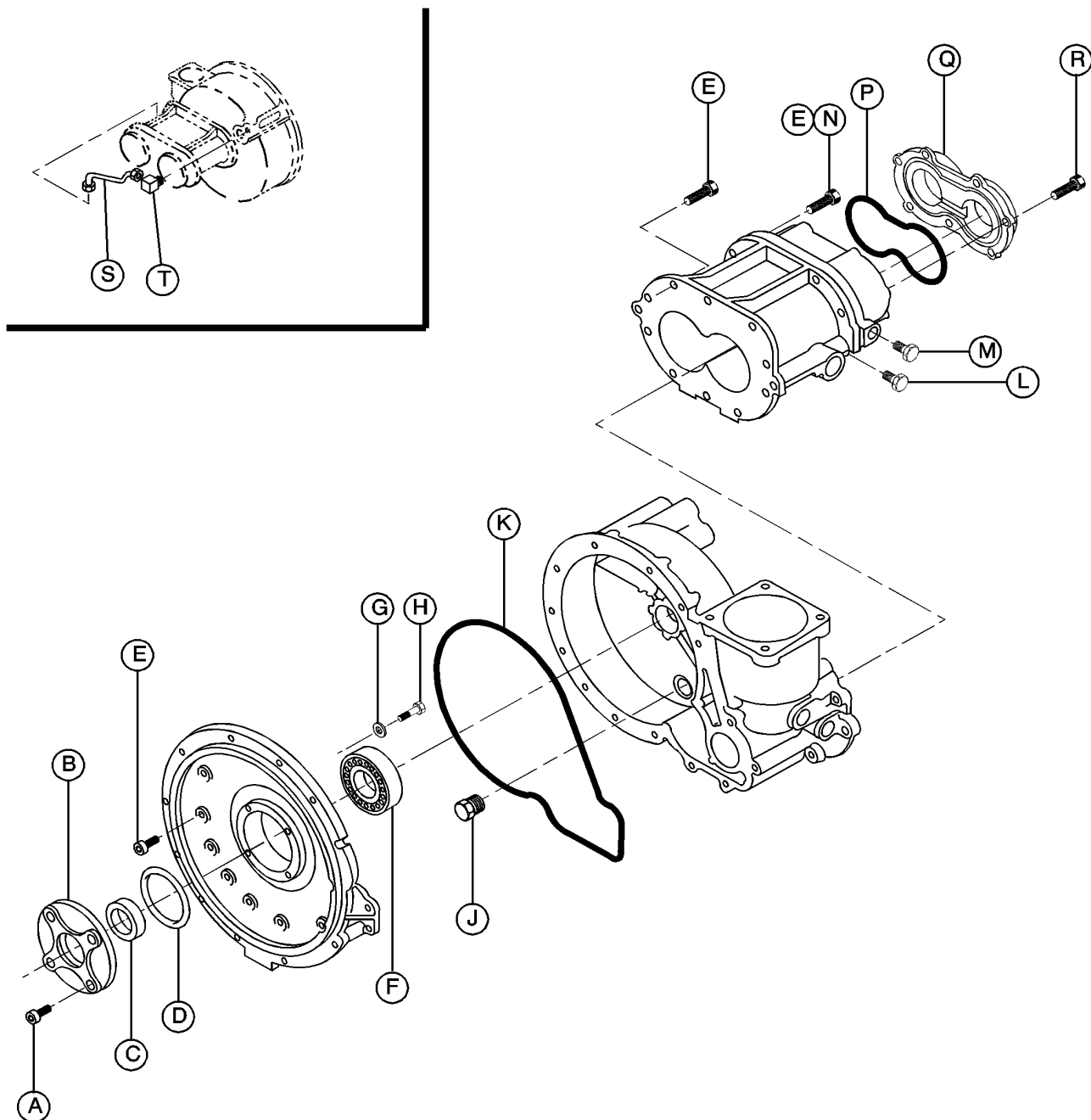
AIREND ASSEMBLY



22546964_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	

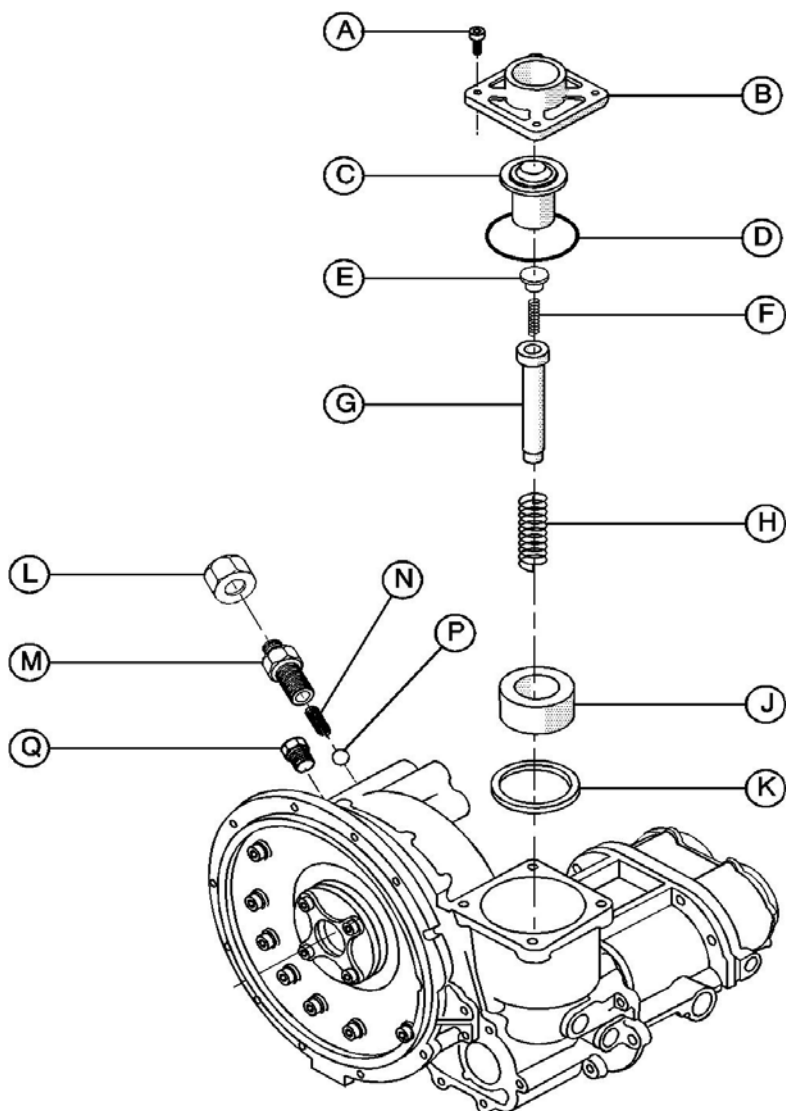
AIREND ASSEMBLY
AIREND ASSEMBLY



22546964_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	

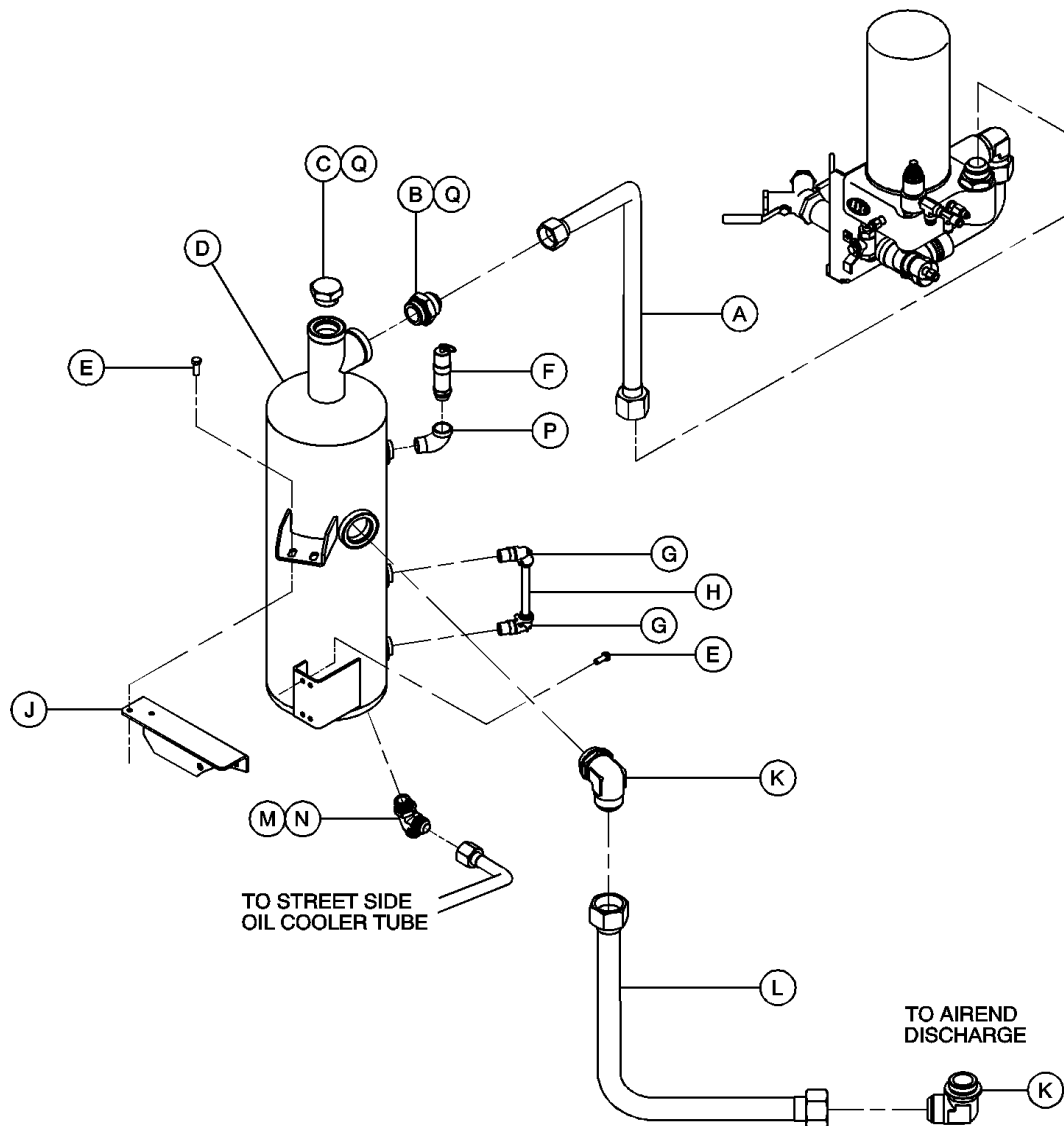
UNLOADER ASSEMBLY UNLOADER ASSEMBLY



22546964_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
SEPARATOR TANK COMPLETE

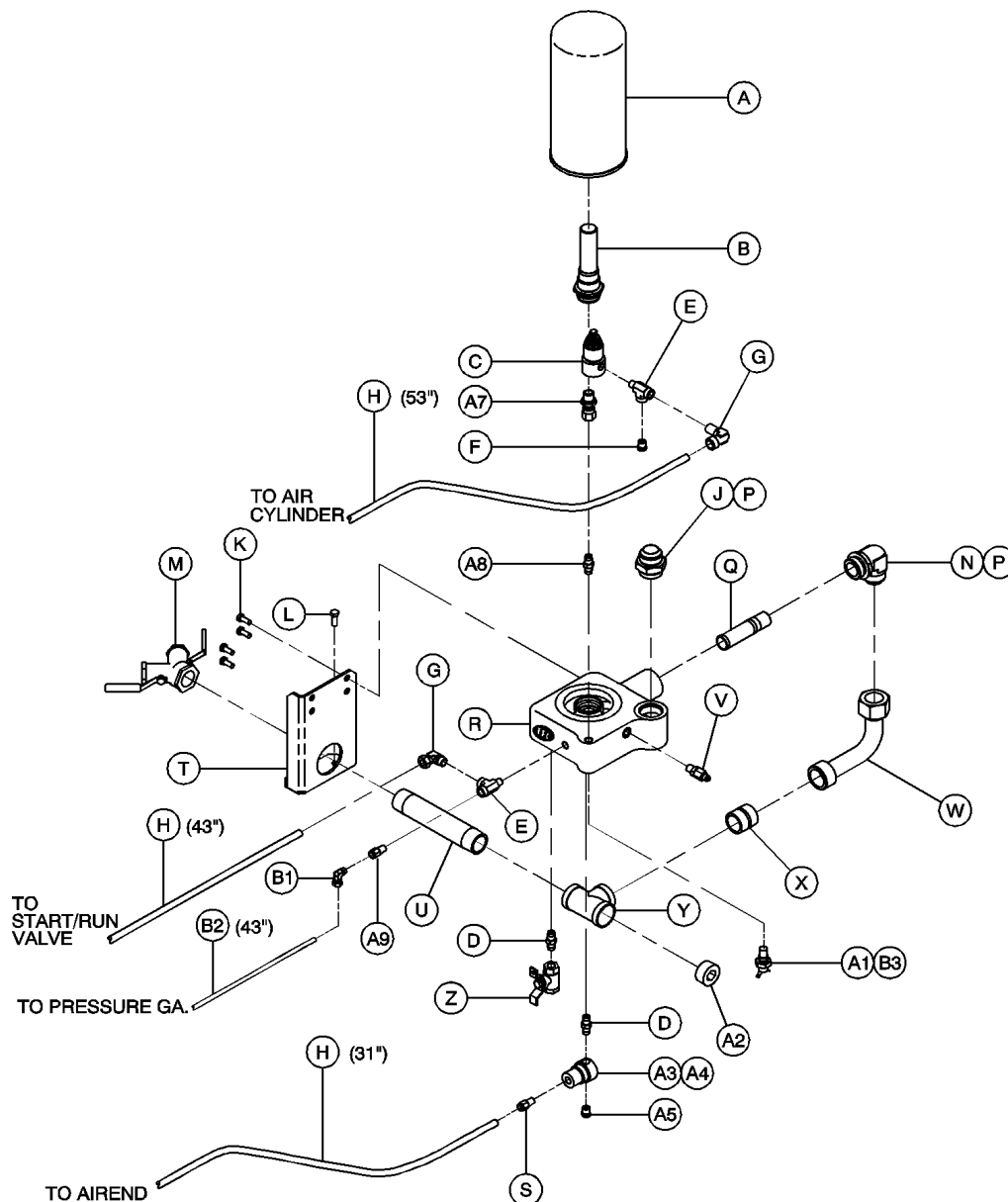


22546964_014_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35228170	HOSE, -20JIC X 27.25"	1	
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	4	
F	35325166	VALVE, SAFETY 150 PSI	1	
G	54627799	ELBOW, SIGHT TUBE	2	
H	22248454	TUBE, SIGHT GAGE	1	
J	22349823	BRACKET, SEPARATOR TANK MOUNTING	1	
K	95431292	ELBOW, 90o 1-7/8-12 X -24JIC	1	
L	22335491	TUBE, DISCHARGE	1	
M	35332030	TEE, 1-1/16SAE X -12JIC X -12JIC	1	
N	95730172	CAPP, 1 1/16-12	1	
P	95928164	ELBOW, STREET 1/2 NPT	1	

SEPARATOR FILTER COMPLETE

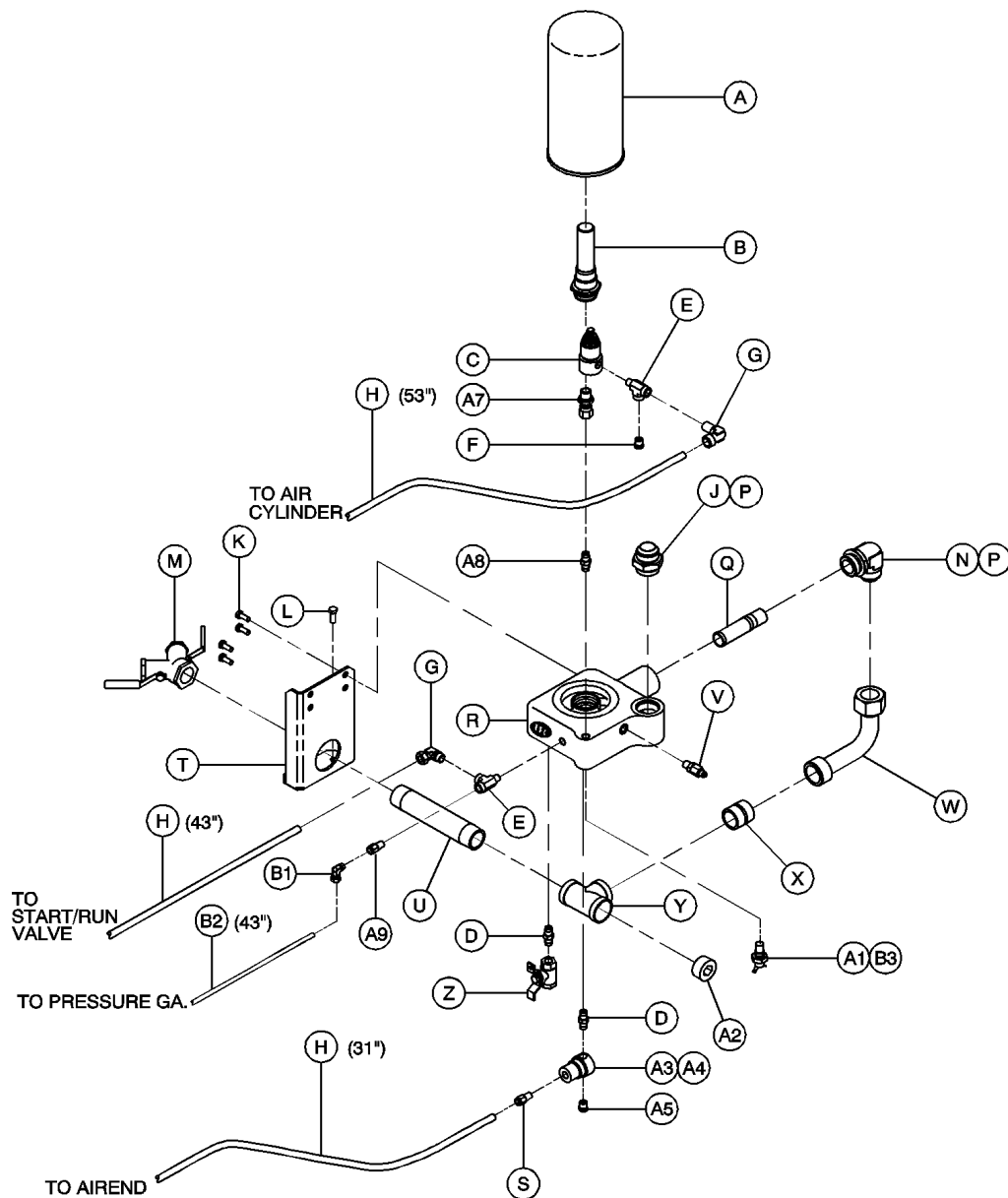
SEPARATOR FILTER COMPLETE



22546964_015_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22436331	ELEMENT, SEPARATOR	1	SEE LENGTHS ABOVE
B	22510341	NIPPLE, FILTER AIR-OIL	1	
C	36854149	VALVE, PRESSURE REGULATOR 100PSI	1	
D	36793776	NIPPLE, .25 NPT	3	
E	35114545	TEE, STREET 1/4 NPT	1	
F	36766772	ORIFICE, MUFFLER .062	1	
G	35369354	ELBOW, 1/4NPT X 3/8" TUBE	1	
H	35356484	TUBING, 3/8 OD SYNFLX	~	
J	35279785	CONNECTOR, 1-5/8-12 X -20JIC	1	
K	96702055	SCREW, HEX M08-1.25 X 20	4	
L	35279025	SCREW, TAPPING M08-1.25 X20	2	
M	36881076	VALVE, WYE	1	

SEPARATOR FILTER COMPLETE
SEPARATOR FILTER COMPLETE

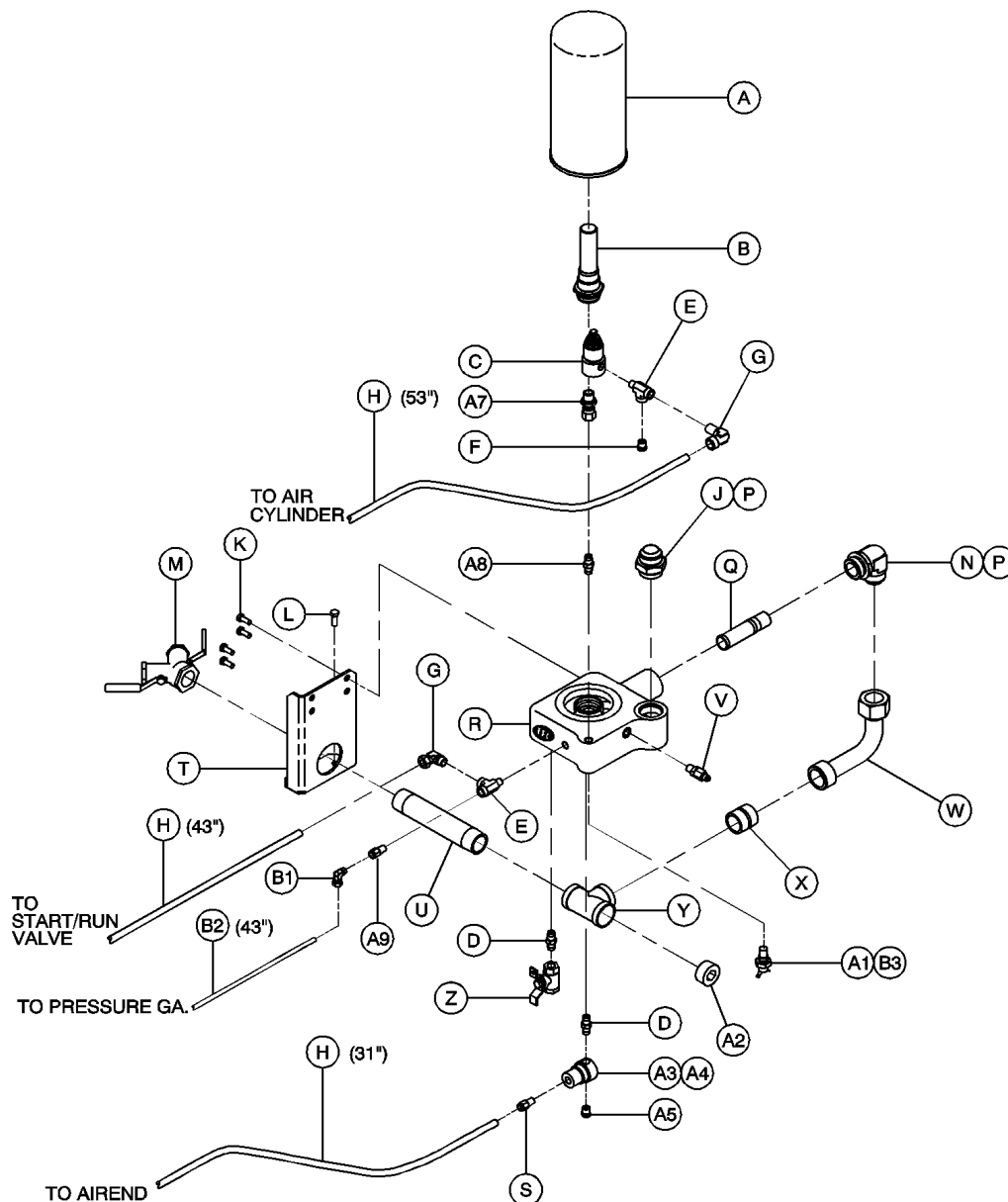


22546964_015_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	35279777	ELBOW, 90o 1-5/8-12 X -20JIC	1	
P	35279942	O RING	1	
Q	35608017	NOZZLE, .361 ORIFICE SONIC	1	
R	22406755	FILTER HEAD	1	
S	35369347	CONNECTOR, MALE 1/4NPT X 3/8" TUBE	2	
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	
X	95953709	NIPPLE, CLOSED 1.25 NPT X 1.62"	1	
Y	95954236	TEE, 1.25NPT	1	
Z	35324839	VALVE, BALL 1/4 NPT	1	

SEPARATOR FILTER COMPLETE

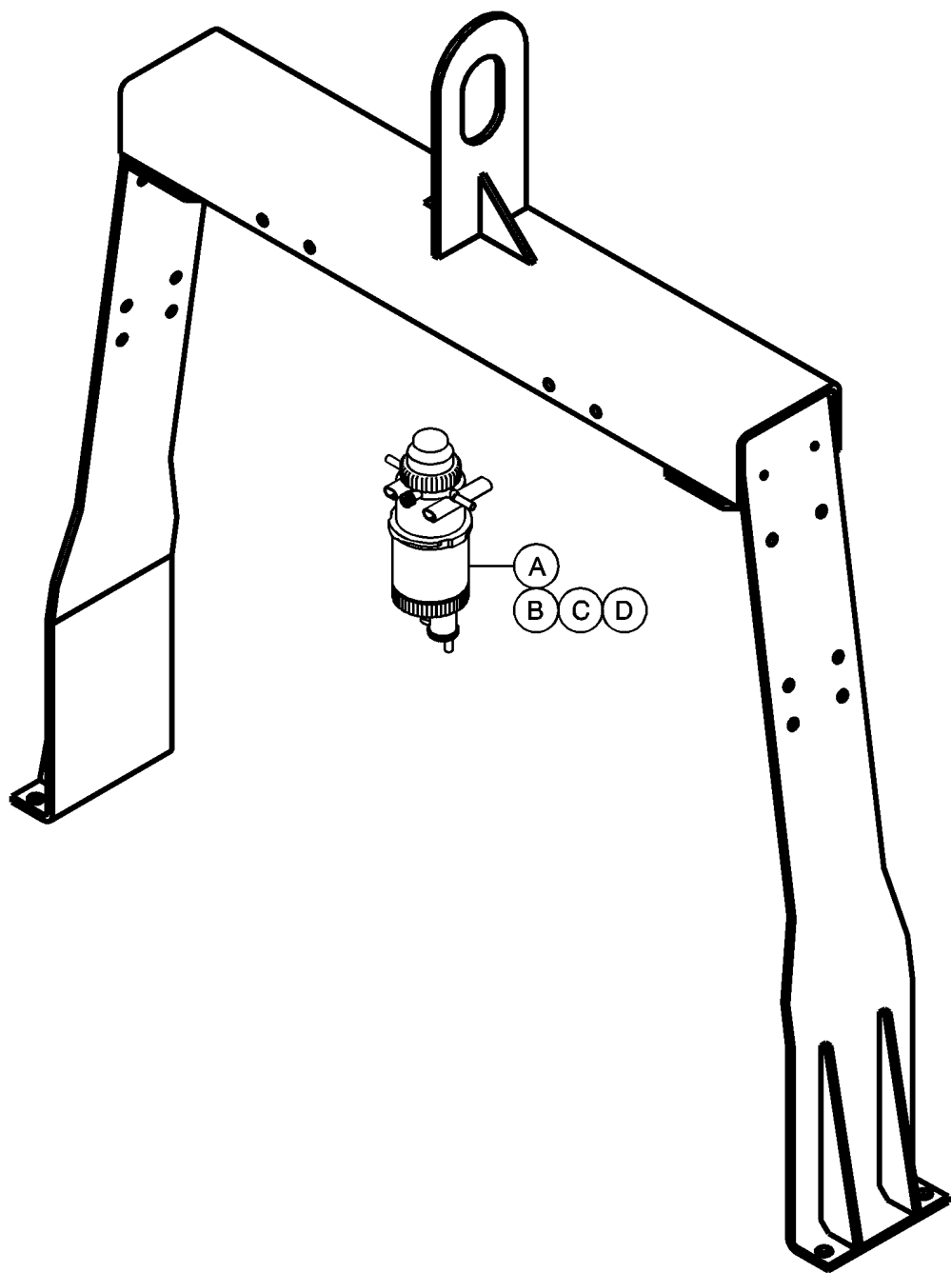
SEPARATOR FILTER COMPLETE



22546964_015_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A1	35596436	SWITCH, TEMPERATURE 248o F	1	ITEMS A, B, R INCLUDED
A2	95928248	PLUG, HEX COUNTERSINK 1.25 NPT	1	
A3	35322379	VALVE, BLOWDOWN	1	
A4	35379064	KIT, DIAPHRAGM REPAIR	AR	
A5	36766756	MUFFLER, .140 ORIFICE	1	
A6	22406763	FILTER, SEPARATOR	1	
A7	95962601	CONNECTOR, SWIVEL NUT 1.4 NPT	1	
A8	95101192	CONNECTOR, 1/4NPT	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 INCLUDED IN ASM.
B3	39404165	O-RING	~	

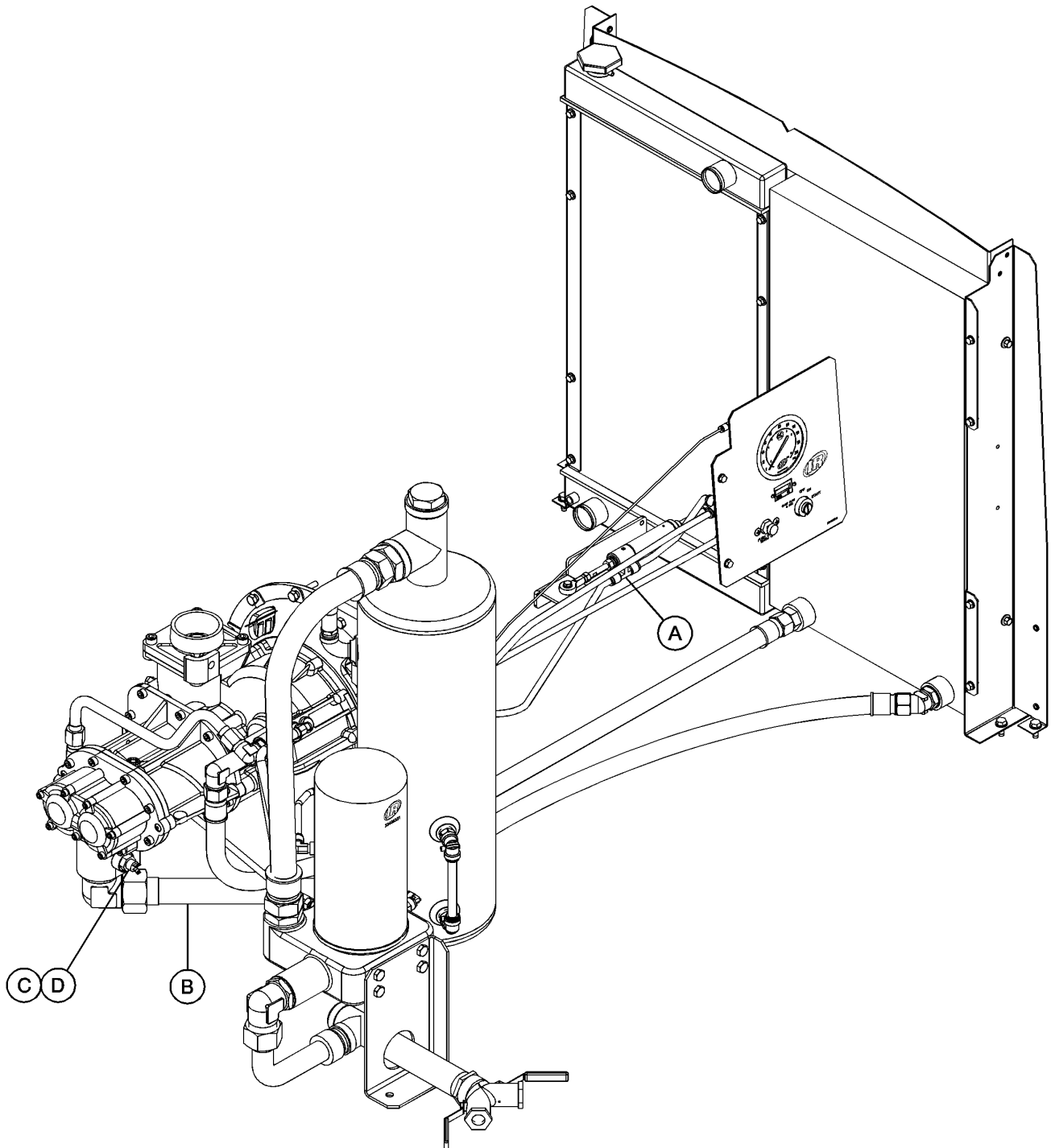
FUEL FILTER MOUNT
FUEL FILTER MOUNT



22546964_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	

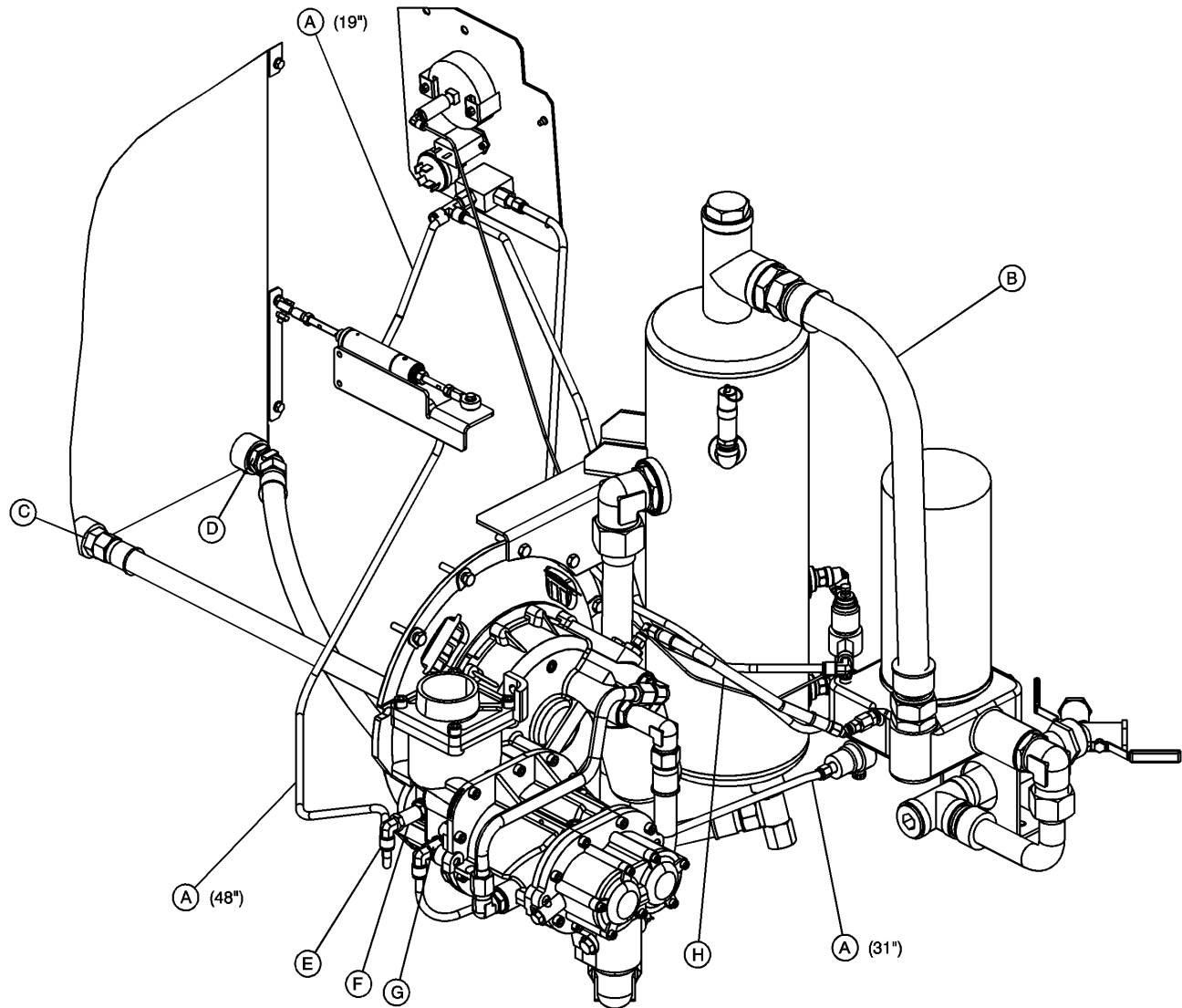
AIR AND OIL PIPING
AIR AND OIL PIPING



22546964_017_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35369396	TEE, BRANCH 1/4 NPT X 3/8" TUBE	1	
B	22335491	TUBE, DISCHARGE	1	
C	35596436	SWITCH, TEMPERSTURE	1	
D	39404165	O-RING	1	

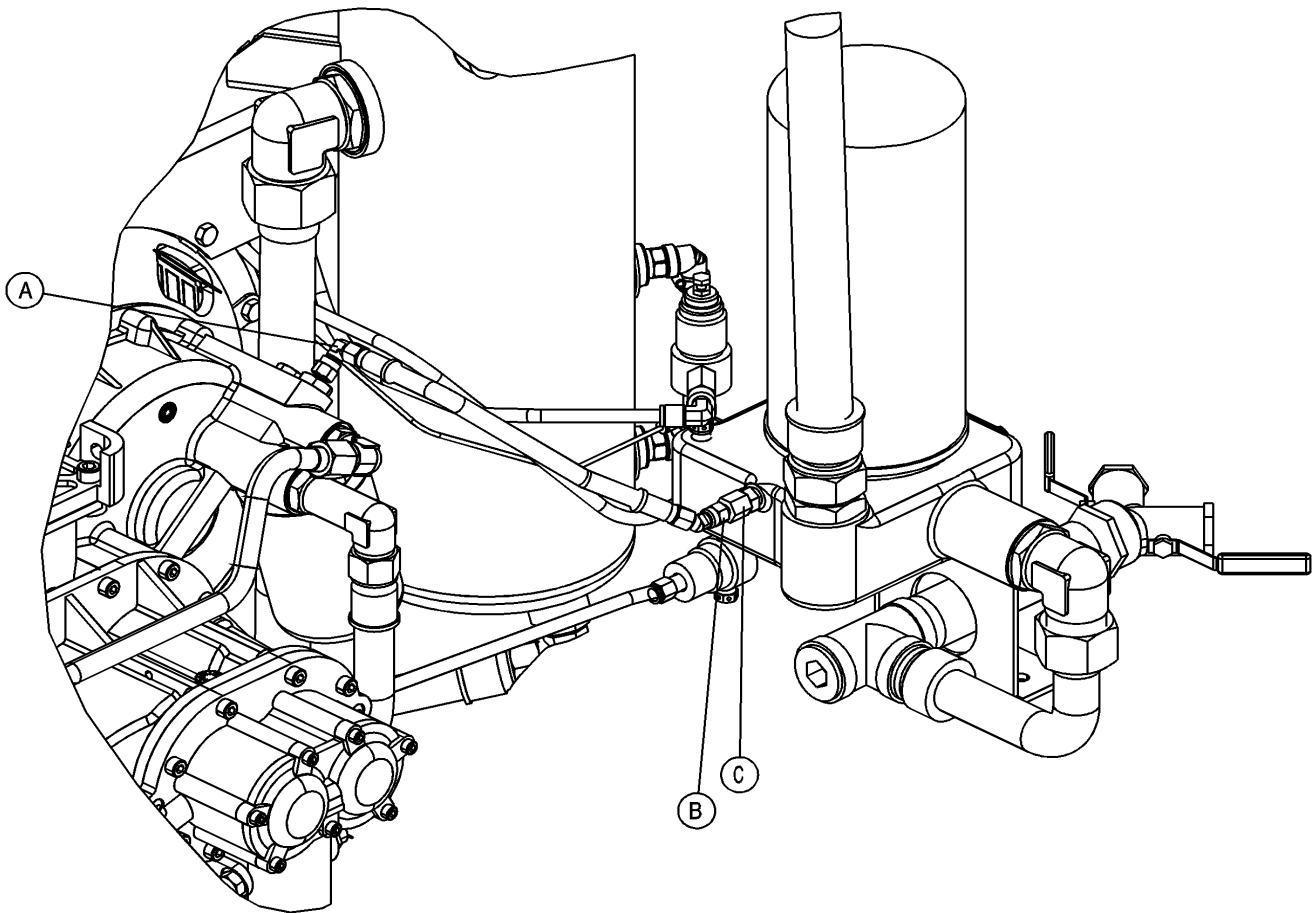
AIR AND OIL PIPING
AIR AND OIL PIPING



22546964_018_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356484	TUBING, SYNPLEX 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	

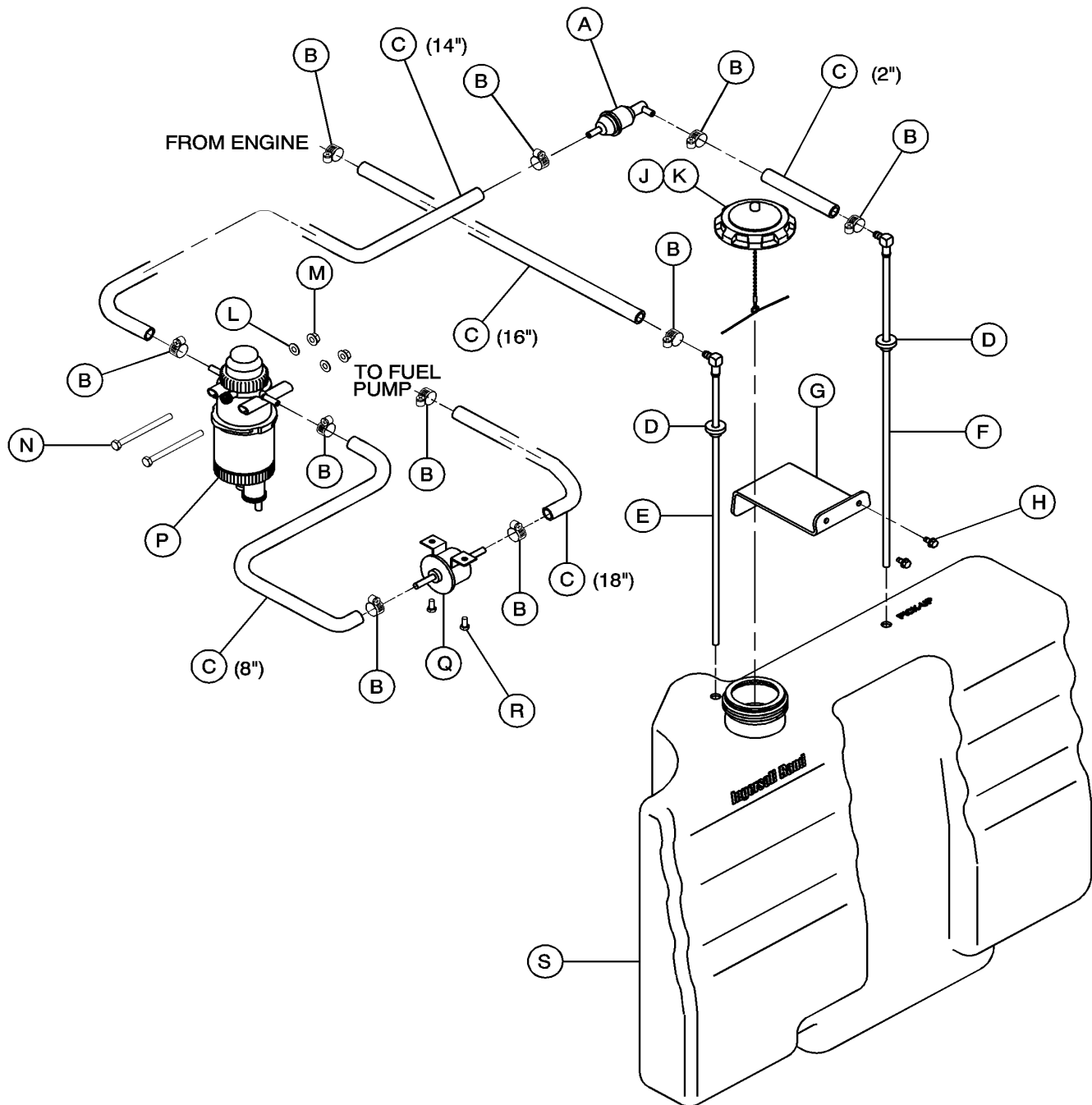
AIR AND OIL PIPING
AIR AND OIL PIPING



22546964_019_2/05_A

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

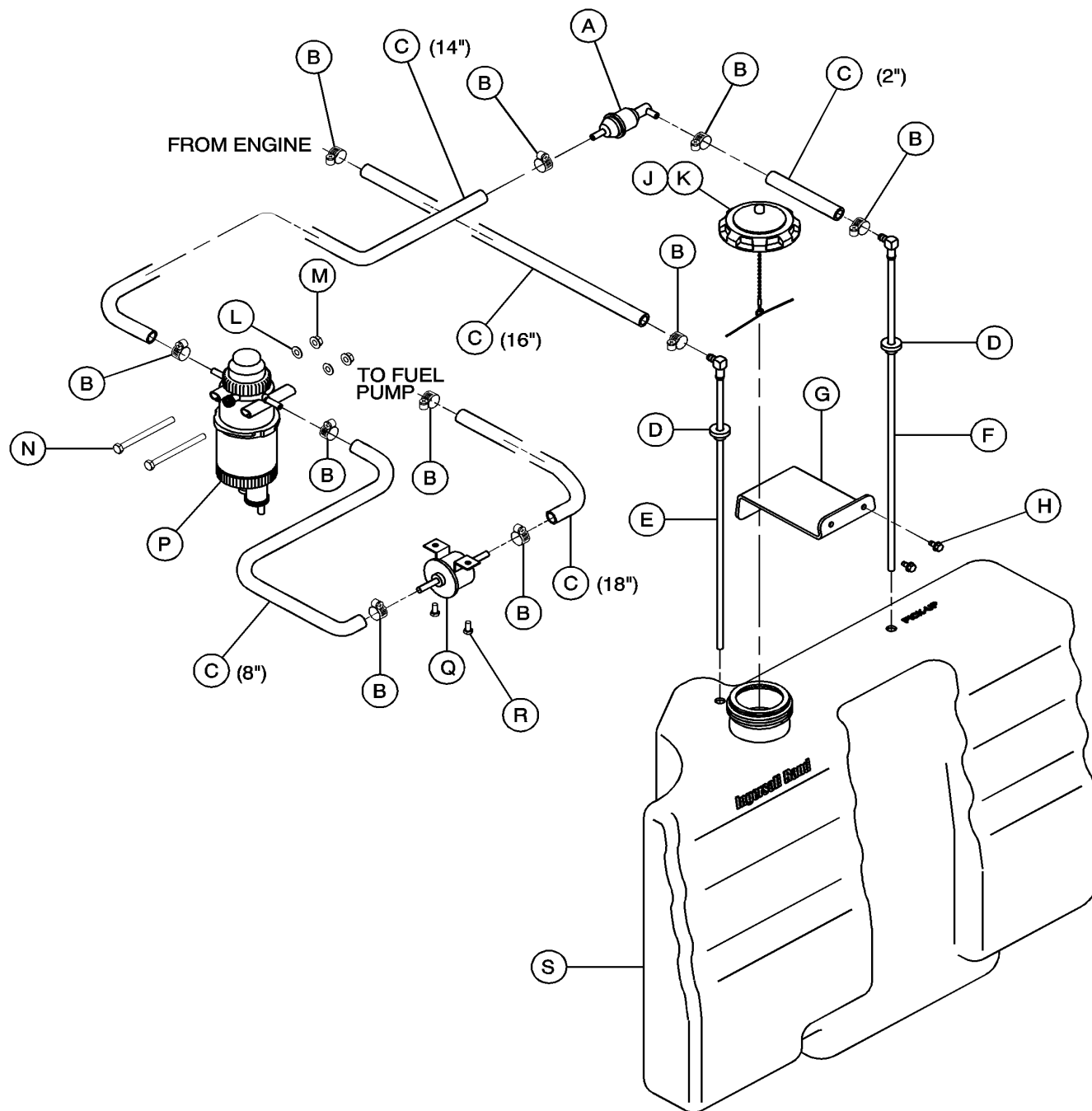
FUEL TANK
FUEL TANK



22546964_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
FUEL TANK

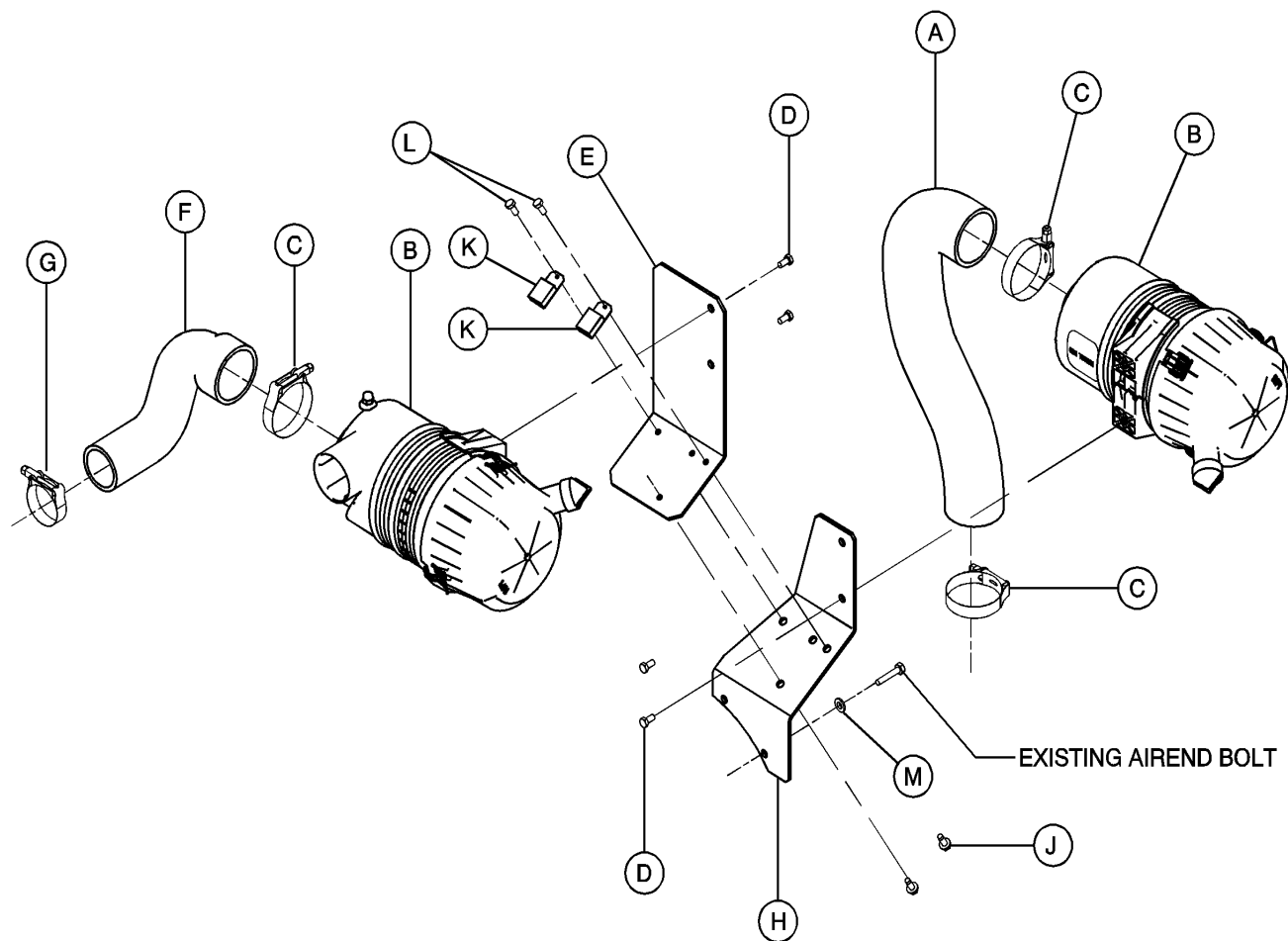


22546964_020_2/05_A

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

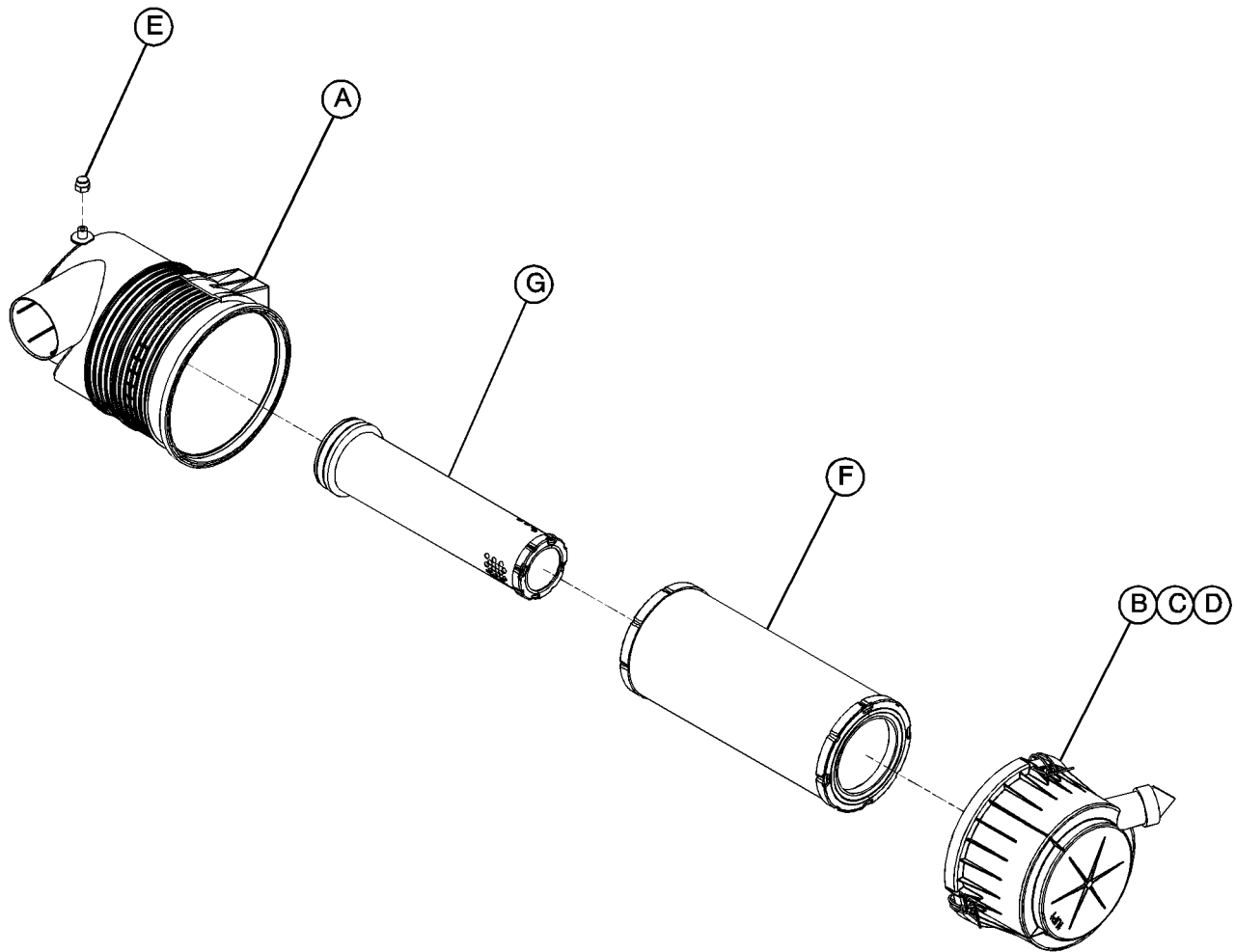
AIR CLEANER MOUNTING



22546964_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	22451694	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.
AIR CLEANER ASM.

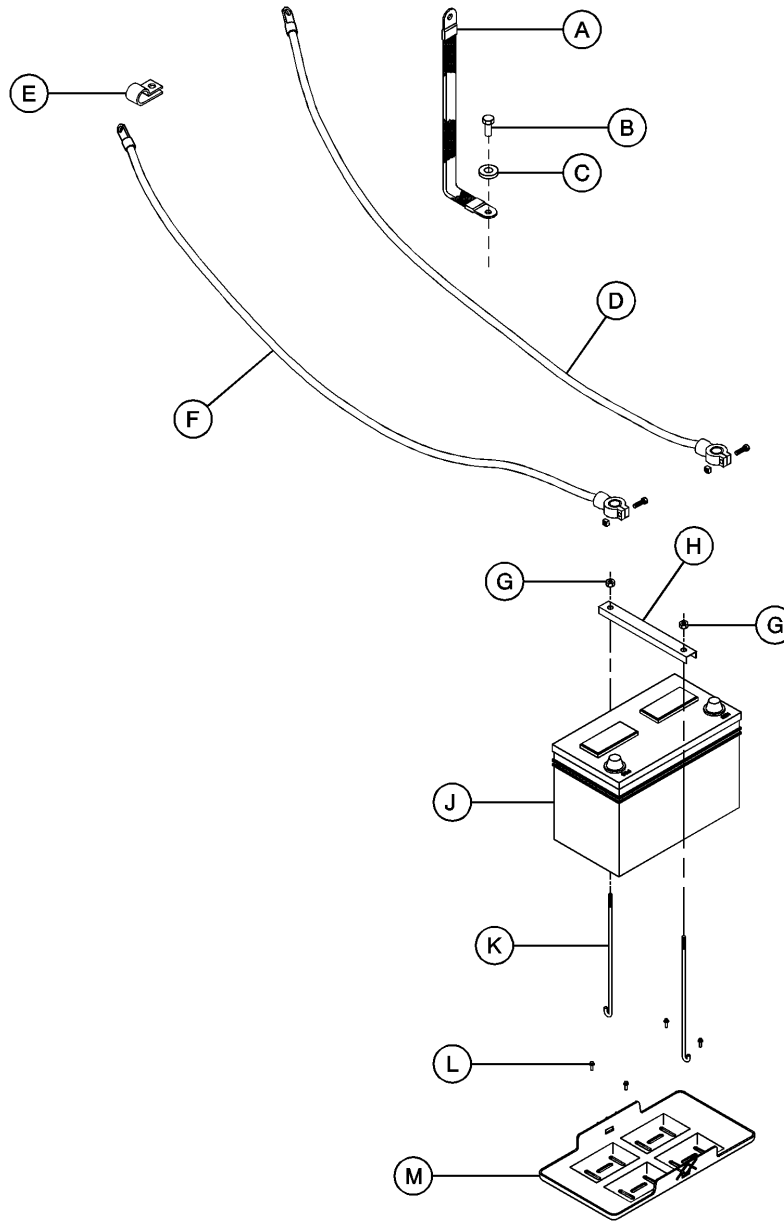


22546964_022_2/05_A

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

BATTERY MOUNTING

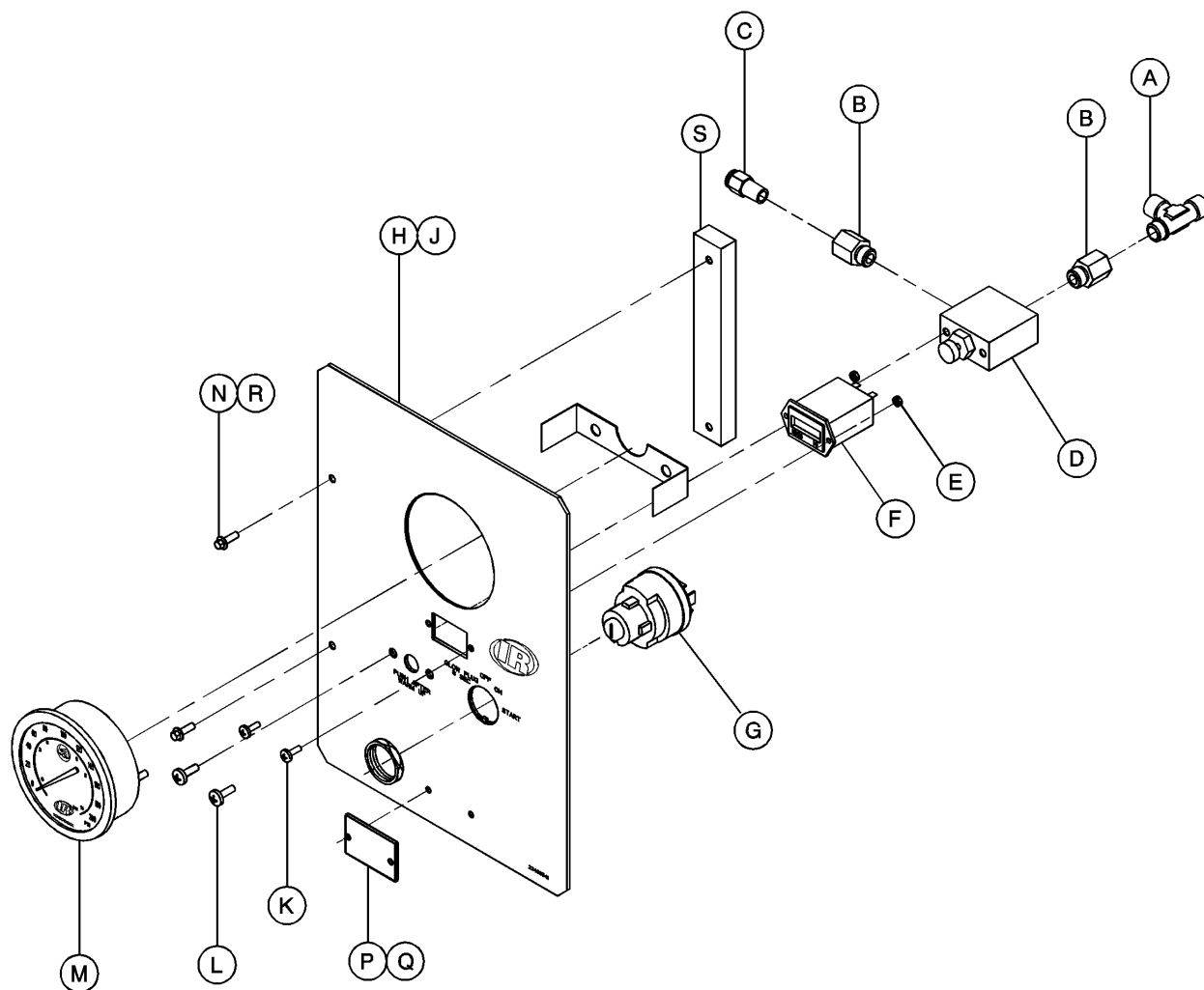


22546964_023_2/05_A

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	

INSTRUMENT PANEL

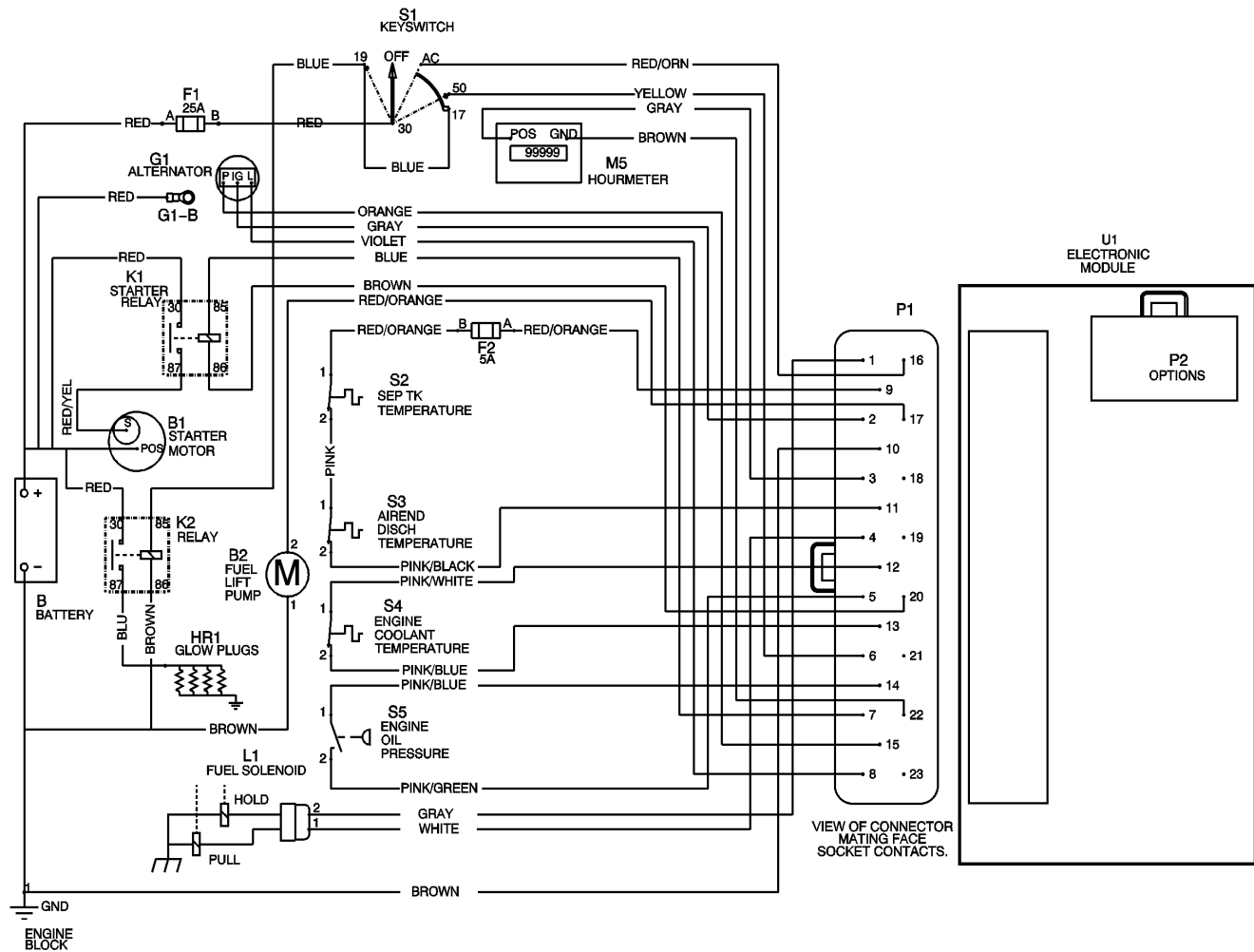
INSTRUMENT PANEL



22546964_024_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35369503	TEE, RUN 1/4NPT X 3/8" TUBE	1	
B	35302314	ADAPTER	2	
C	35369347	CONNECTOR, MALE 1/4NPT X 3/8" TUBE	1	
D	36783439	VALVE, 2 WAY START/RUN	1	
E	22054159	NUT, PLASTIC #4-40	2	
F	22054175	HOURMETER, ELEC/MECH	1	
G	22624639	SWITCH, KEY	1	
H	22363329	PANEL, INSTRUMENT	1	
J	22496541	DECAL, CONTROL PANEL	1	
K	95775599	SCREW, 4-40 X 1/2" SS	2	
L	22090898	SCREW, PAN HEAD M06-1.0 X 16	2	
M	35706761	GAUGE, DISCHARGE PRESSURE	1	
N	36797652	SCREW, TAPPING M06-1.0 X 12	2	
P	22389886	PLATE, SERIAL NUMBER	1	
Q	36920486	RIVET, .19 DIA SS	2	
R	96728431	NUT, HEX M08-1.25	2	
S	22597231	SPACER, BLOCK	1	

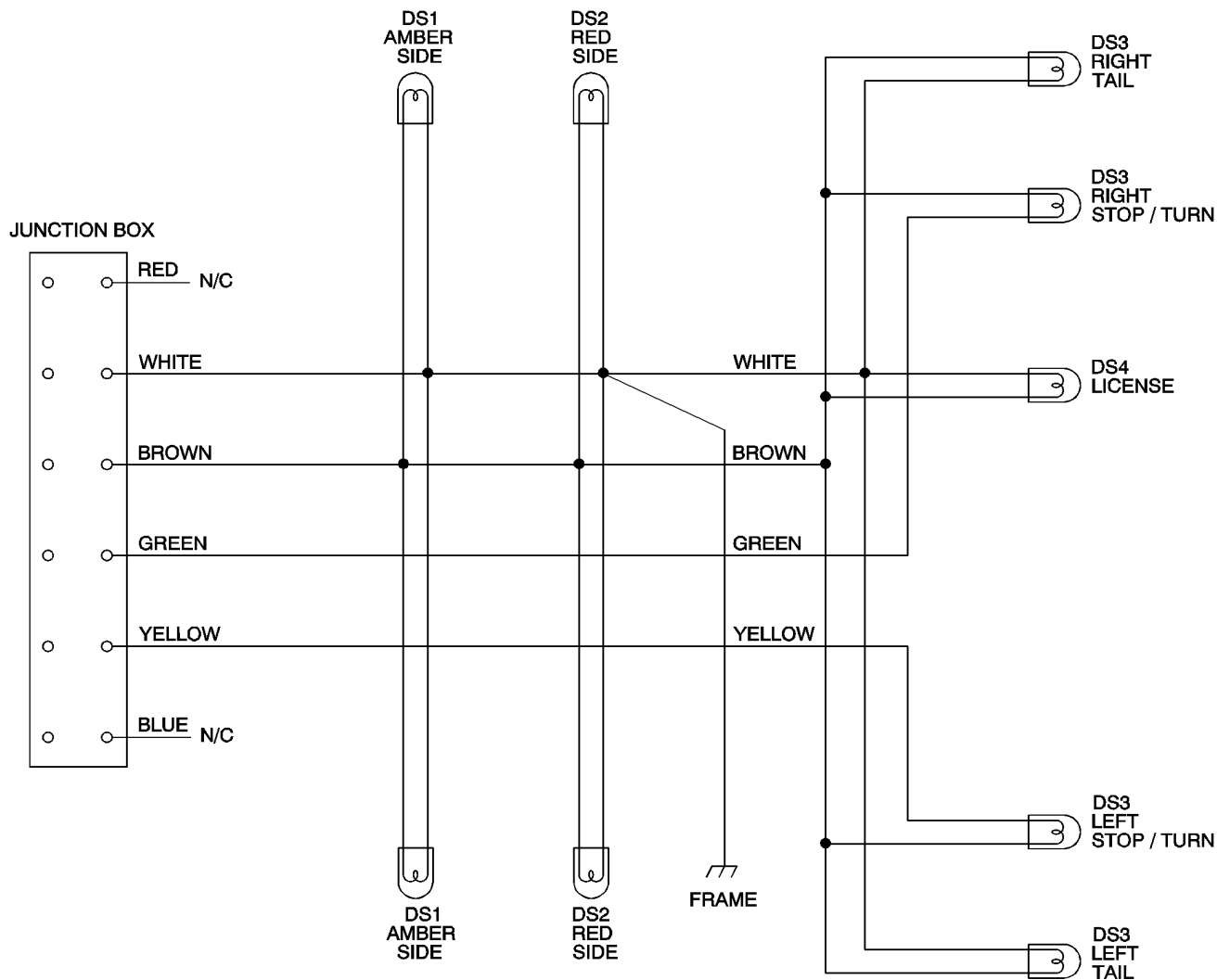
WIRING DIAGRAM
WIRING DIAGRAM



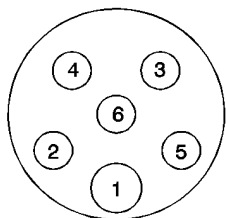
22546964_025_2/05_A

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 TAIL LIGHT WIRING DIAGRAM



PLUG / SOCKET WIRING CONNECTIONS



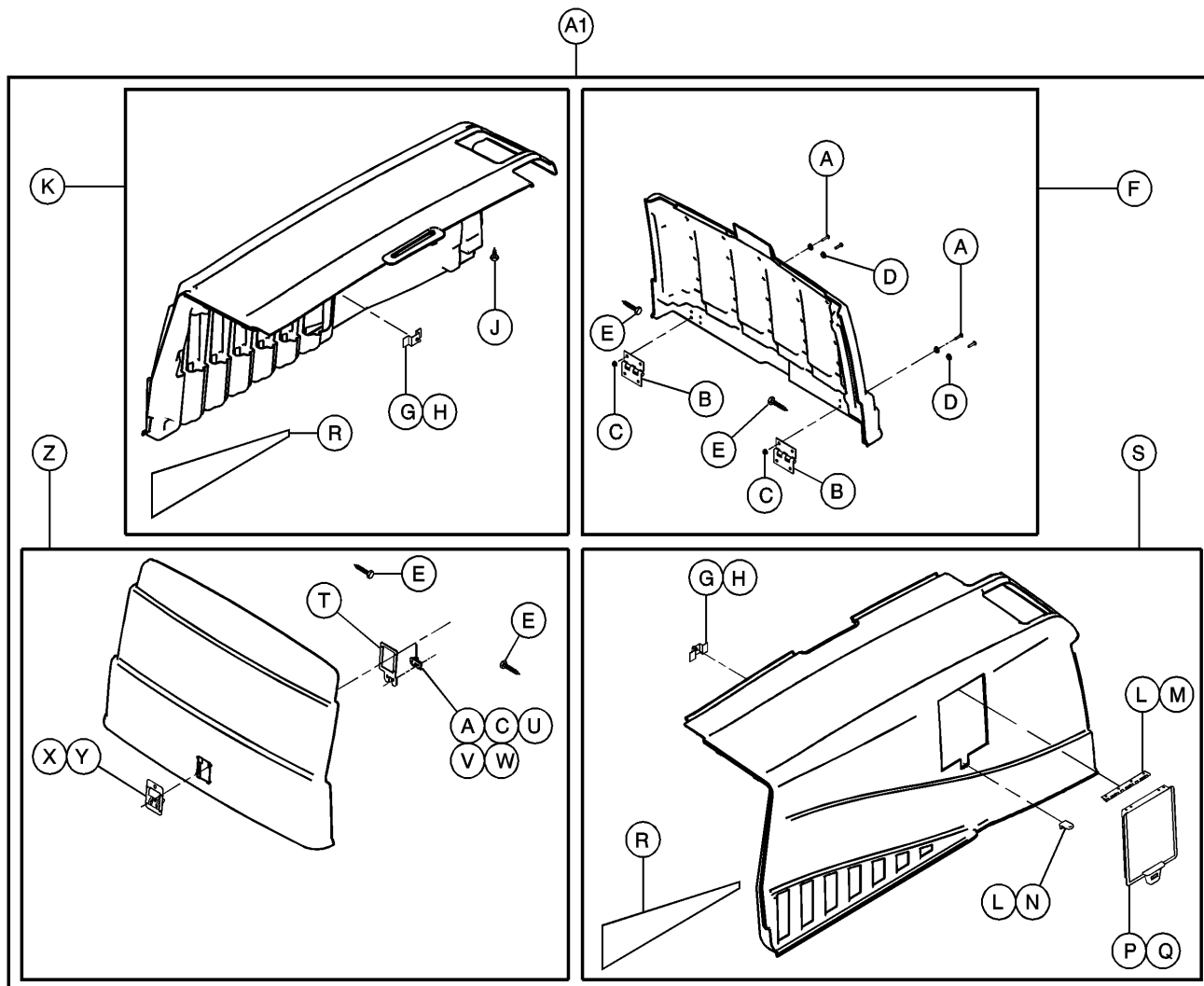
- 1 WHITE - GROUND
- 2 YELLOW - LEFT STOP/TURN SIGNAL
- 3
- 4 GREEN - RIGHT STOP/TURN SIGNAL
- 5 BROWN - TAIL / CLEARANCE LIGHTS
- 6 BLUE - ELECTRIC BRAKES

22546964_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

CANOPY ASSEMBLY

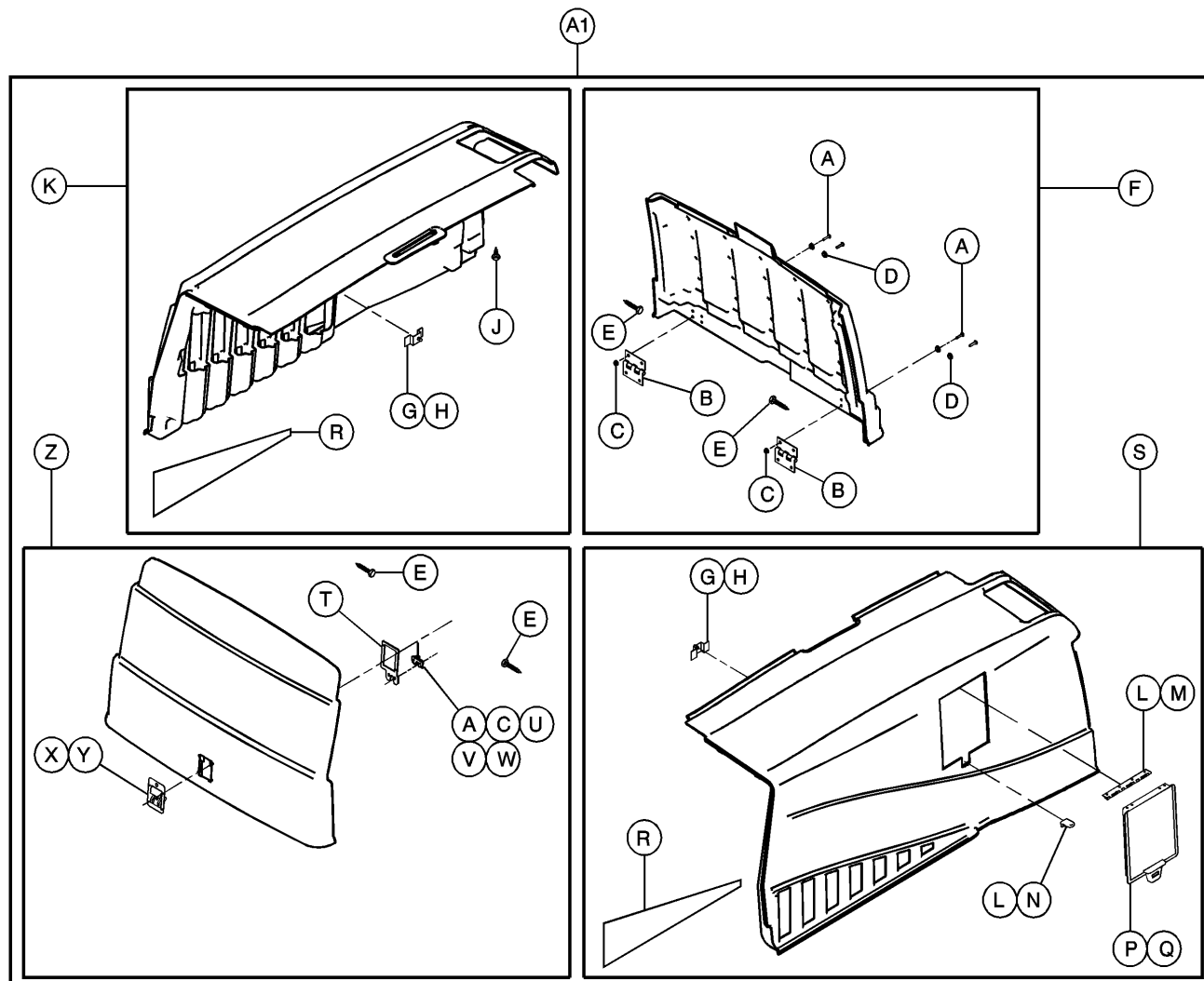


22546964_027_2/05_A

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	22493035	HINGE, CONTROL PANEL SPRING	1	
M	54721212	RIVET, 3/16" X 5/8" ALUMINUM	6	
N	22455440	LATCH, INSTRUMENT PANEL DOOR	1	

CANOPY ASSEMBLY

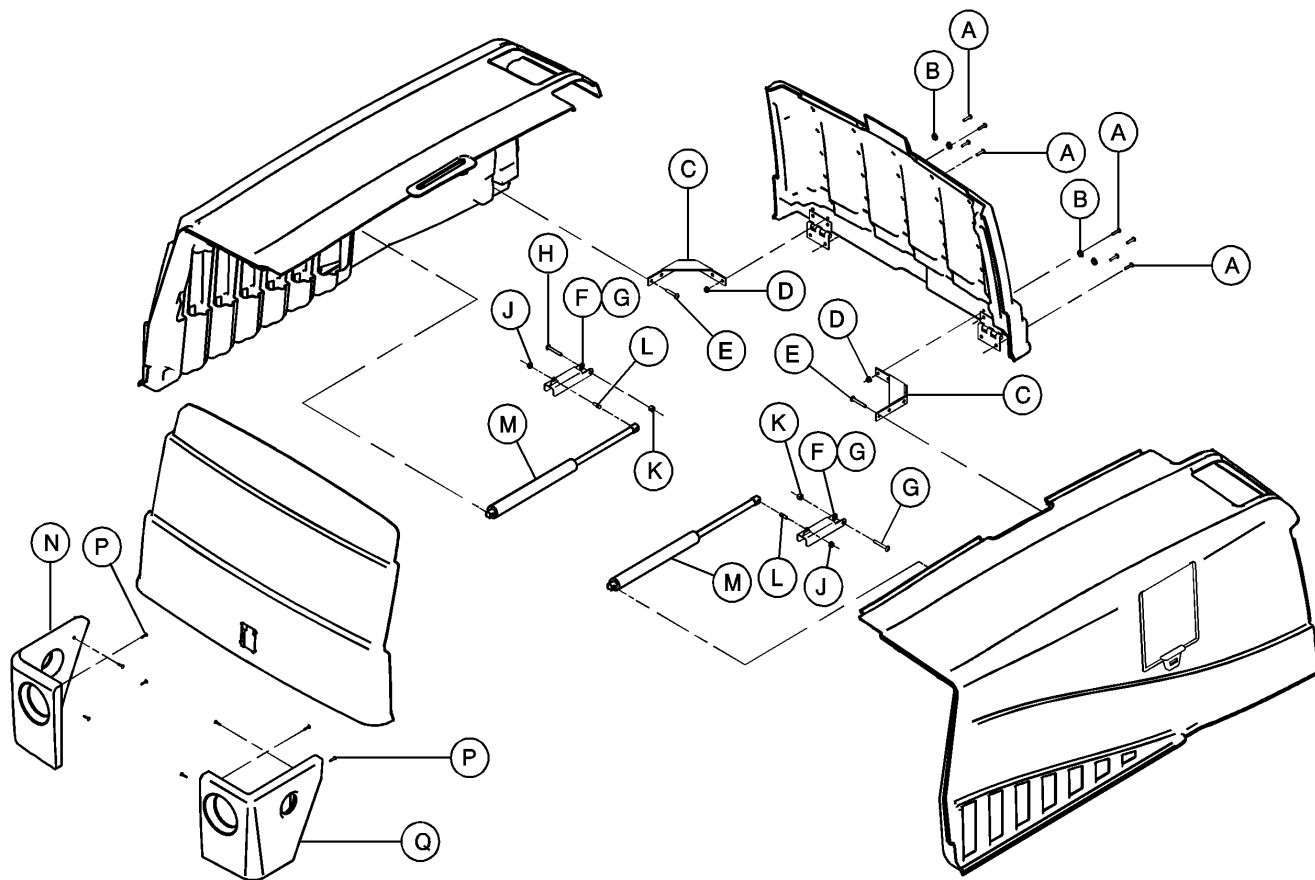
CANOPY ASSEMBLY



22546964_027_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

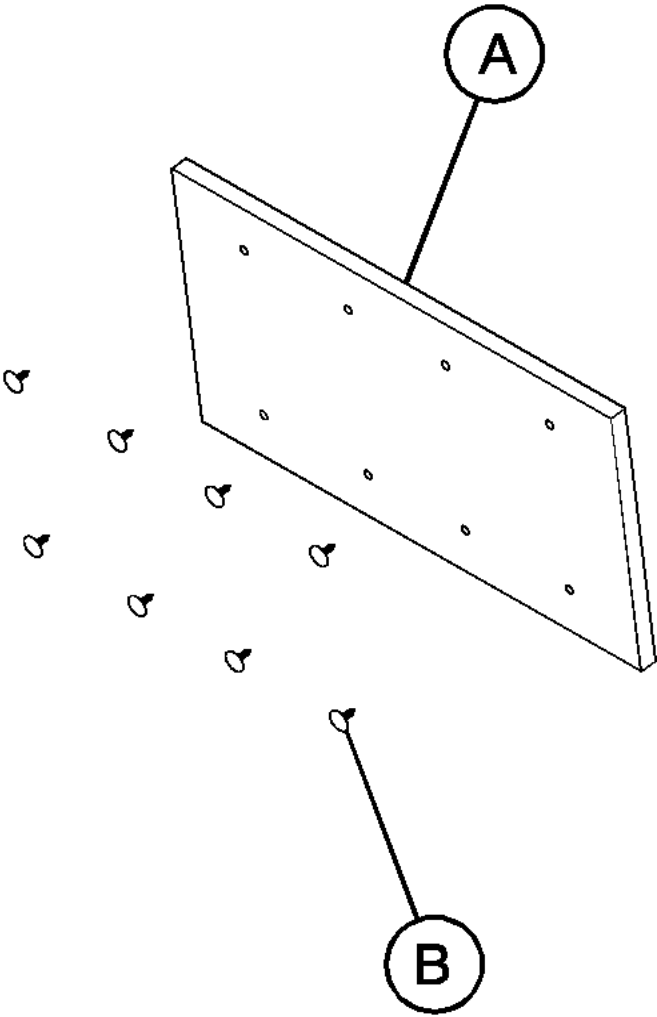
ENCLOSURE COMPLETE
ENCLOSURE COMPLETE



22546964_028_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	

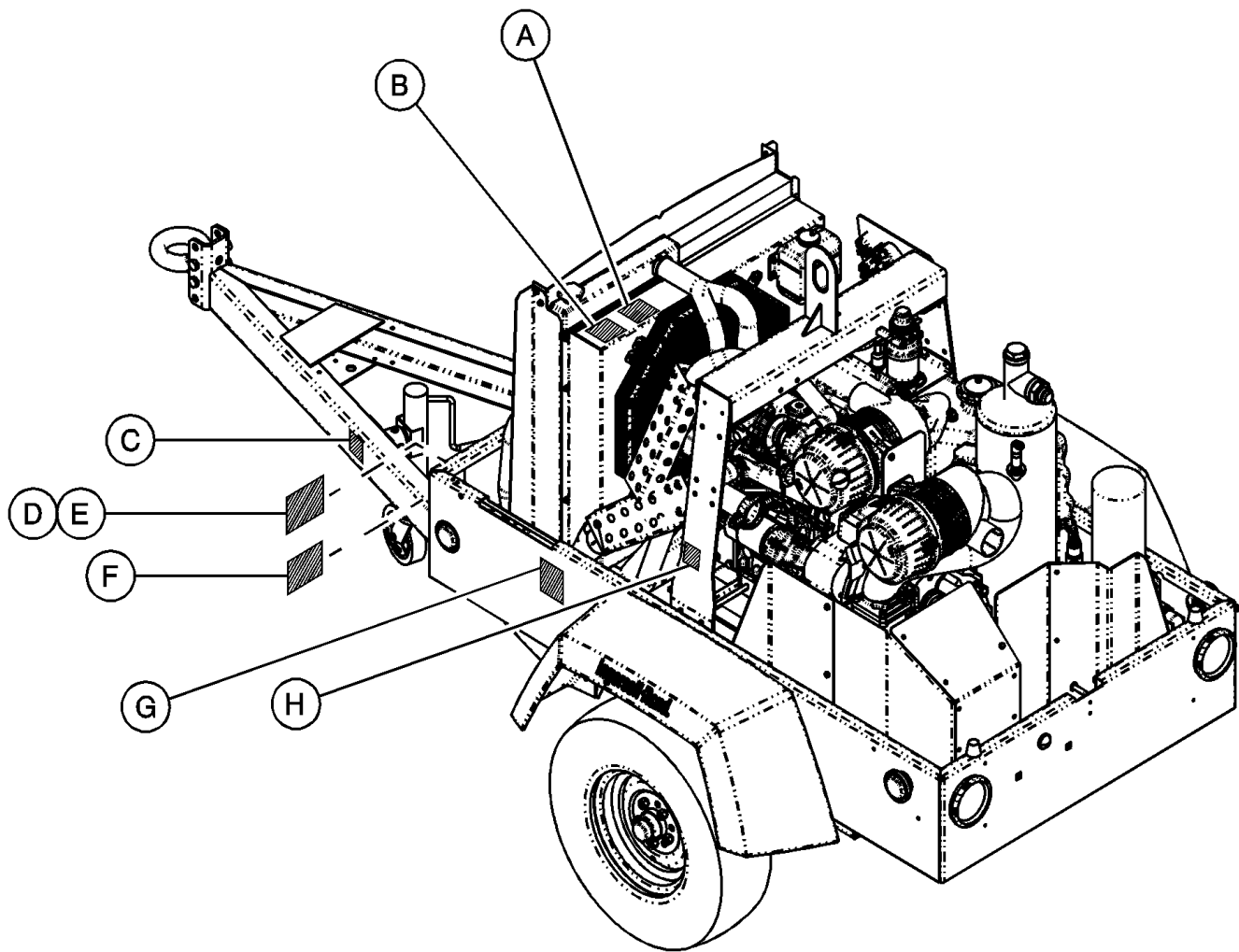
FOAM INSULATION
FOAM INSULATION



22546964_031_1/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22598056	PANEL, ACTL HINGE END	1	
B	54724125	CLIP, XMAS TREE	8	

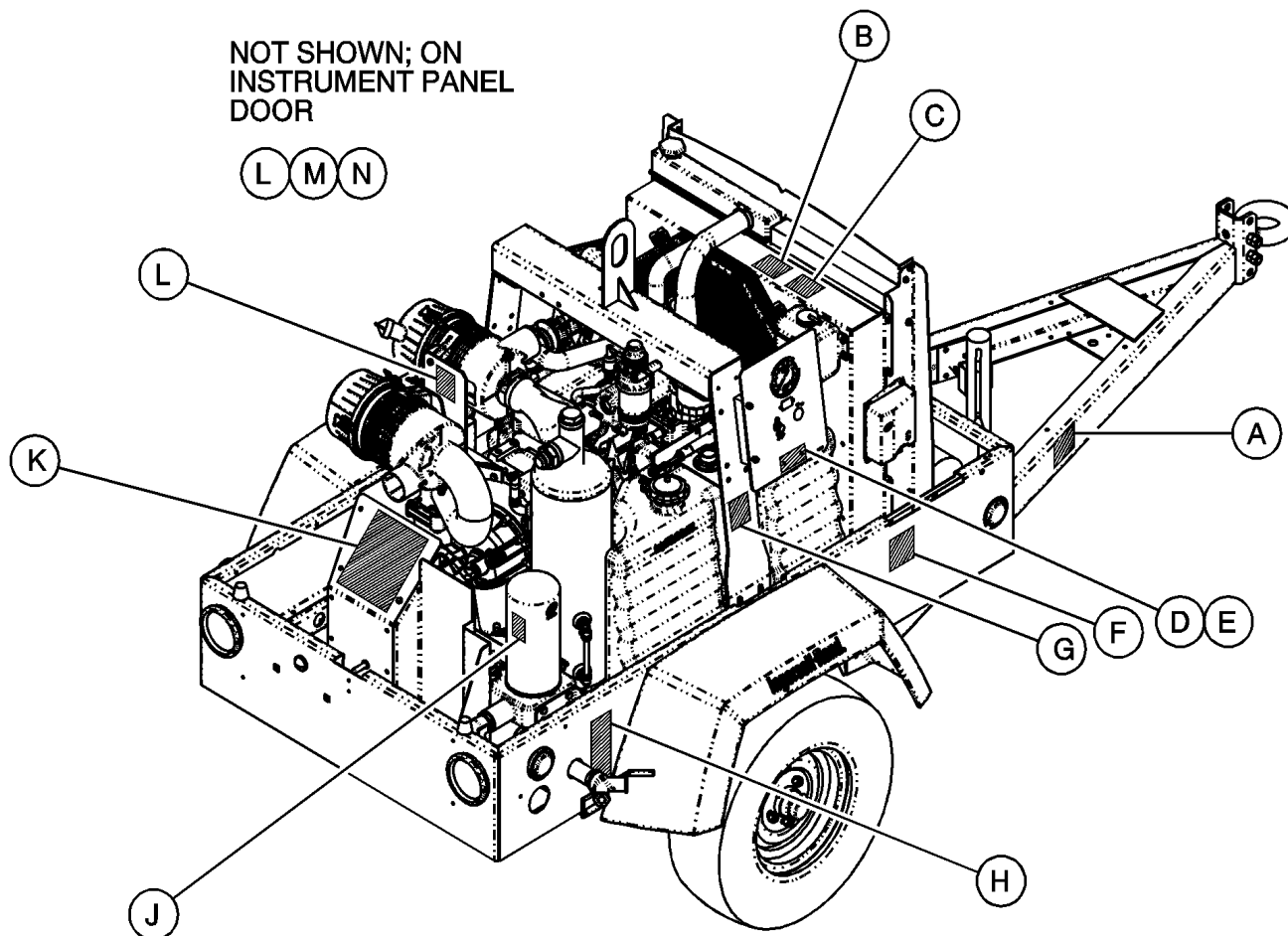
DECAL LOCATION
DECAL LOCATION



22546964_030_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568761	DECAL ISO HOT PRESSURIZED FLUID	1	
B	54568779	DECAL ISO ROTATING FAN	1	
C	54568803	DECAL 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	

DECAL LOCATION
DECAL LOCATION



22546964_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	

DECAL LOCATION

Section B - ENGINE PARTS



UPPER GASKET SET
UPPER GASKET SET



22546964_eng01_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

LOWER GASKET SET
LOWER GASKET SET

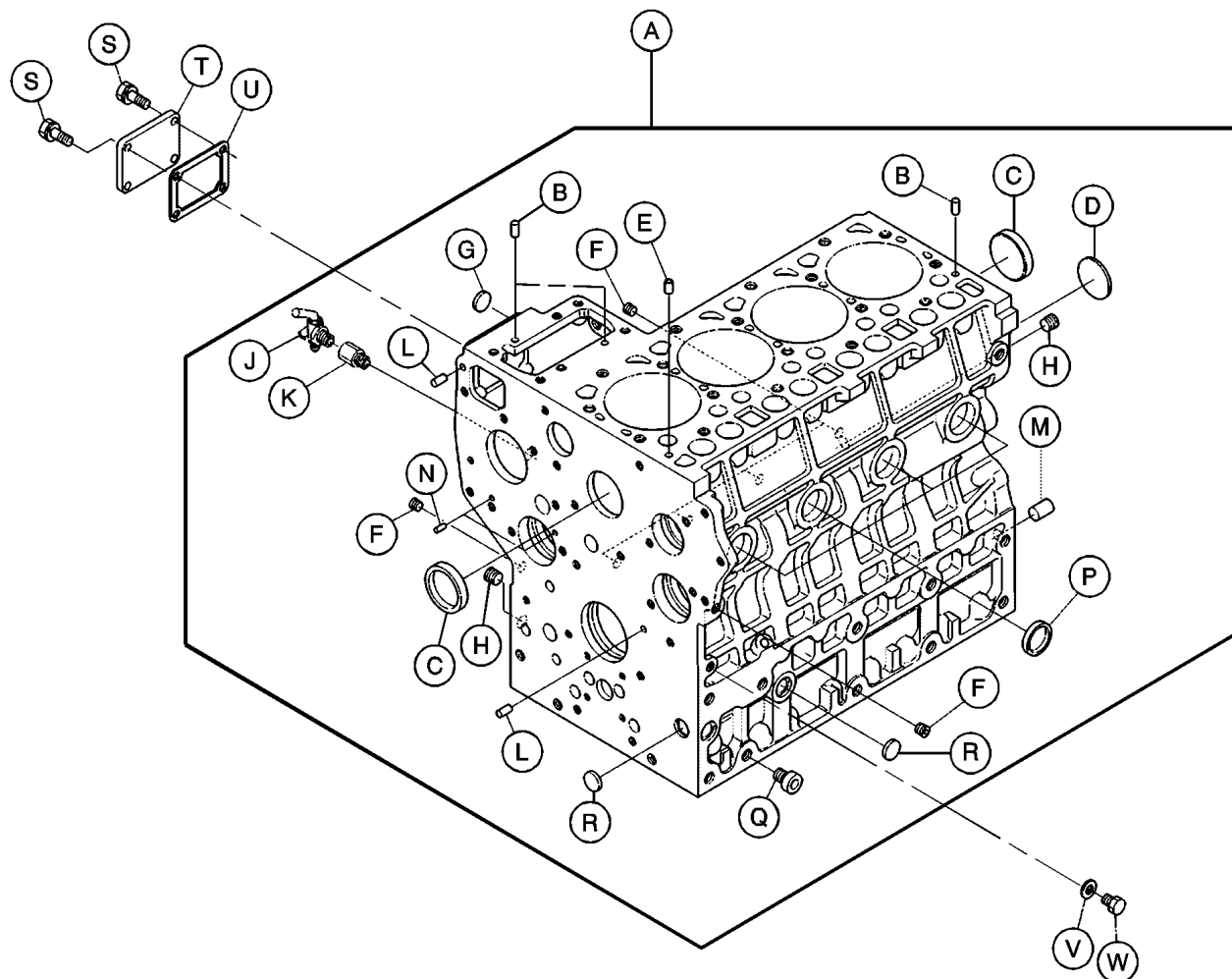
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22546964_eng02_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES

CRANKCASE ASSEMBLY

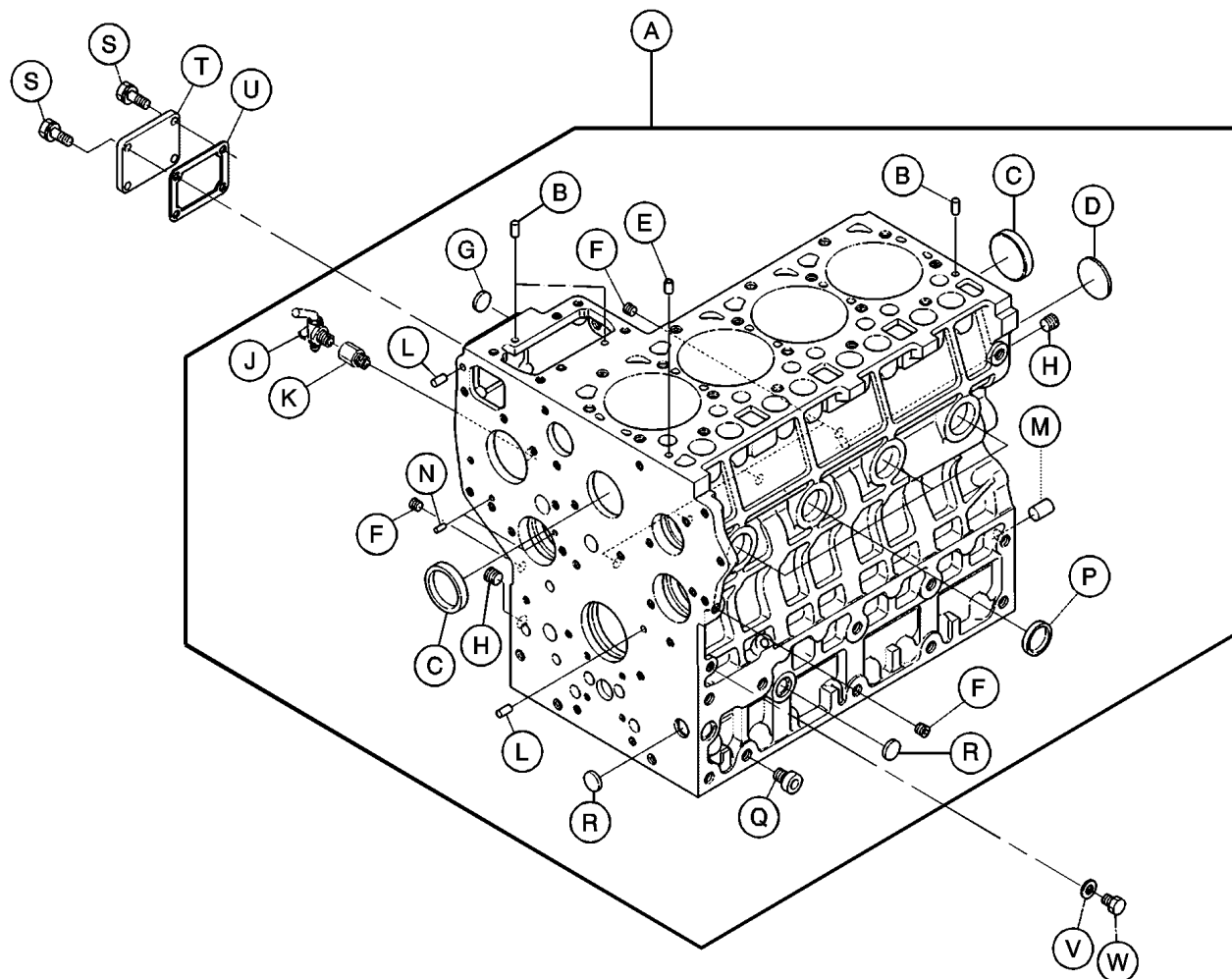
CRANKCASE ASSEMBLY



22546964_eng03_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22599441	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	22587059	COCK, DRAIN	1	
K	22586804	JOINT, DRAIN COCK	1	
L	22594790	PIN, STRAIGHT	2	

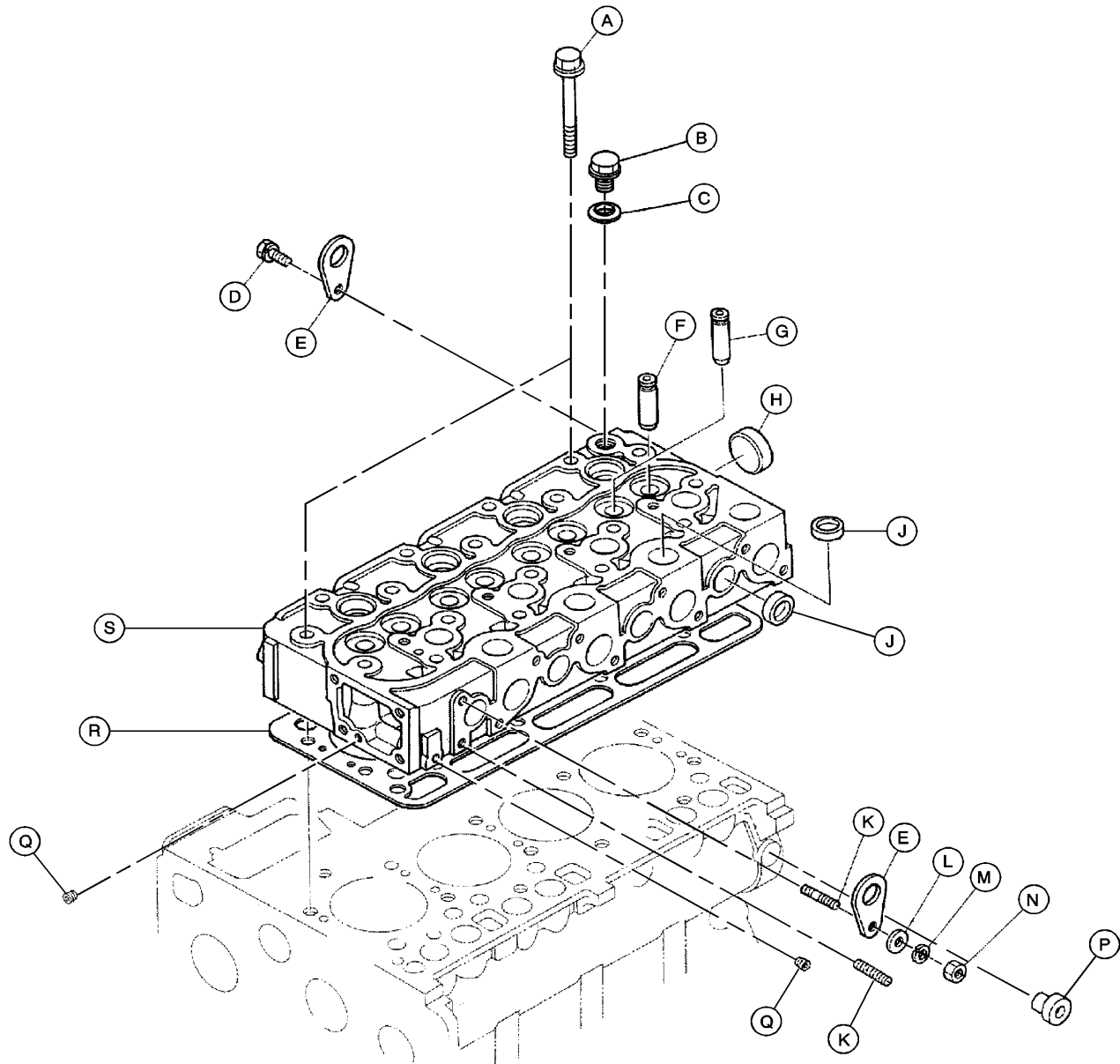
CRANKCASE ASSEMBLY CRANKCASE ASSEMBLY



22546964_eng03_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	22594808	PIN, STRAIGHT	1	
N	22594774	PIN, STRAIGHT	2	
P	22586549	CAP, SEALING	6	
Q	22589220	PLUG	2	
R	22587646	PLUG, EXPANSION	3	
S	22594139	BOLT, M06-1.0 X 16	4	
T	22588008	COVER, INJECTION PUMP	1	
U	22568414	GASKET, PUMP CPVER	1	
V	22586507	GASKET	1	
W	22595094	PLUG	1	

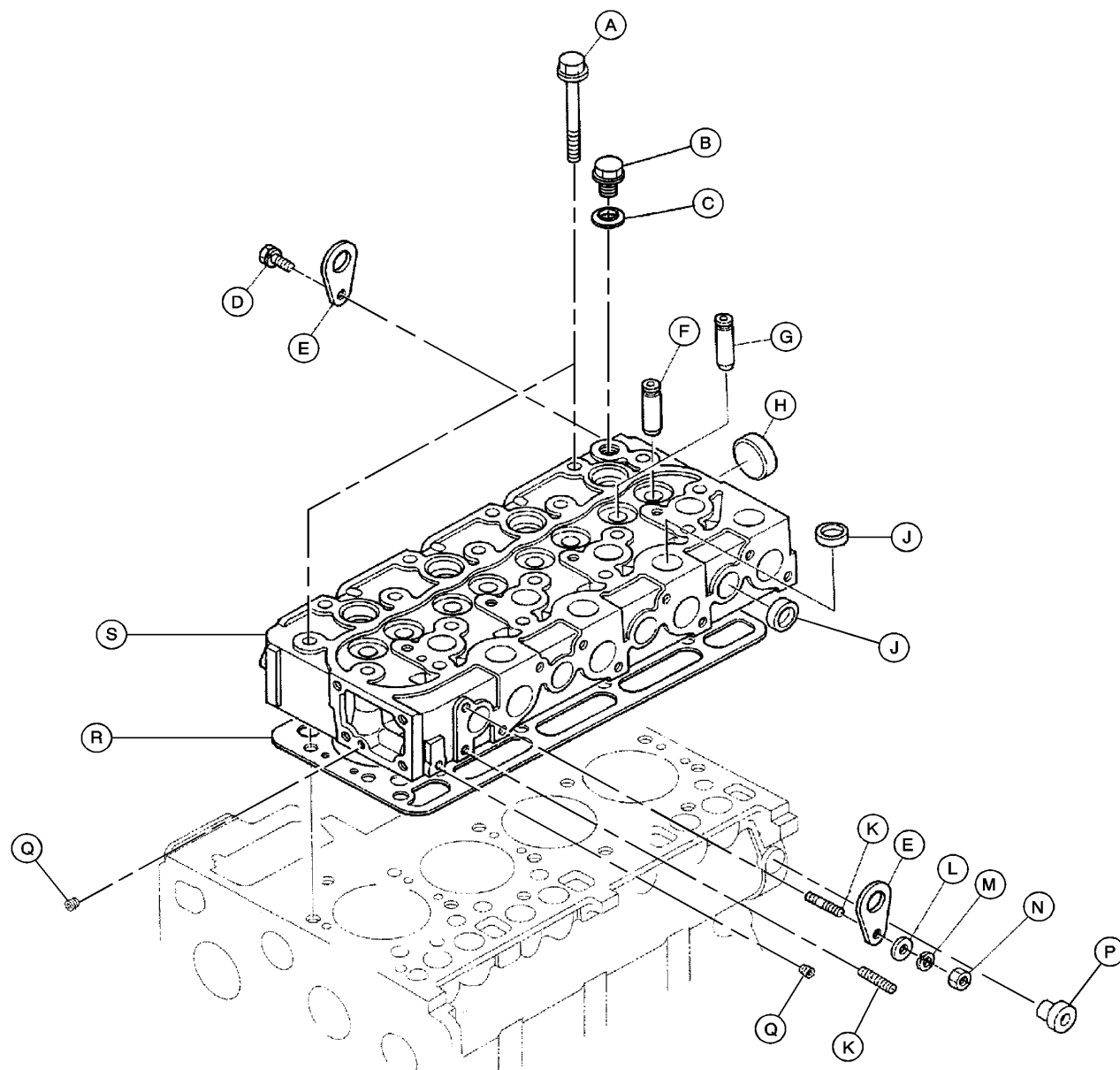
CYLINDER HEAD ASSEMBLY
CYLINDER HEAD ASSEMBLY



22546964_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	
N				
P				

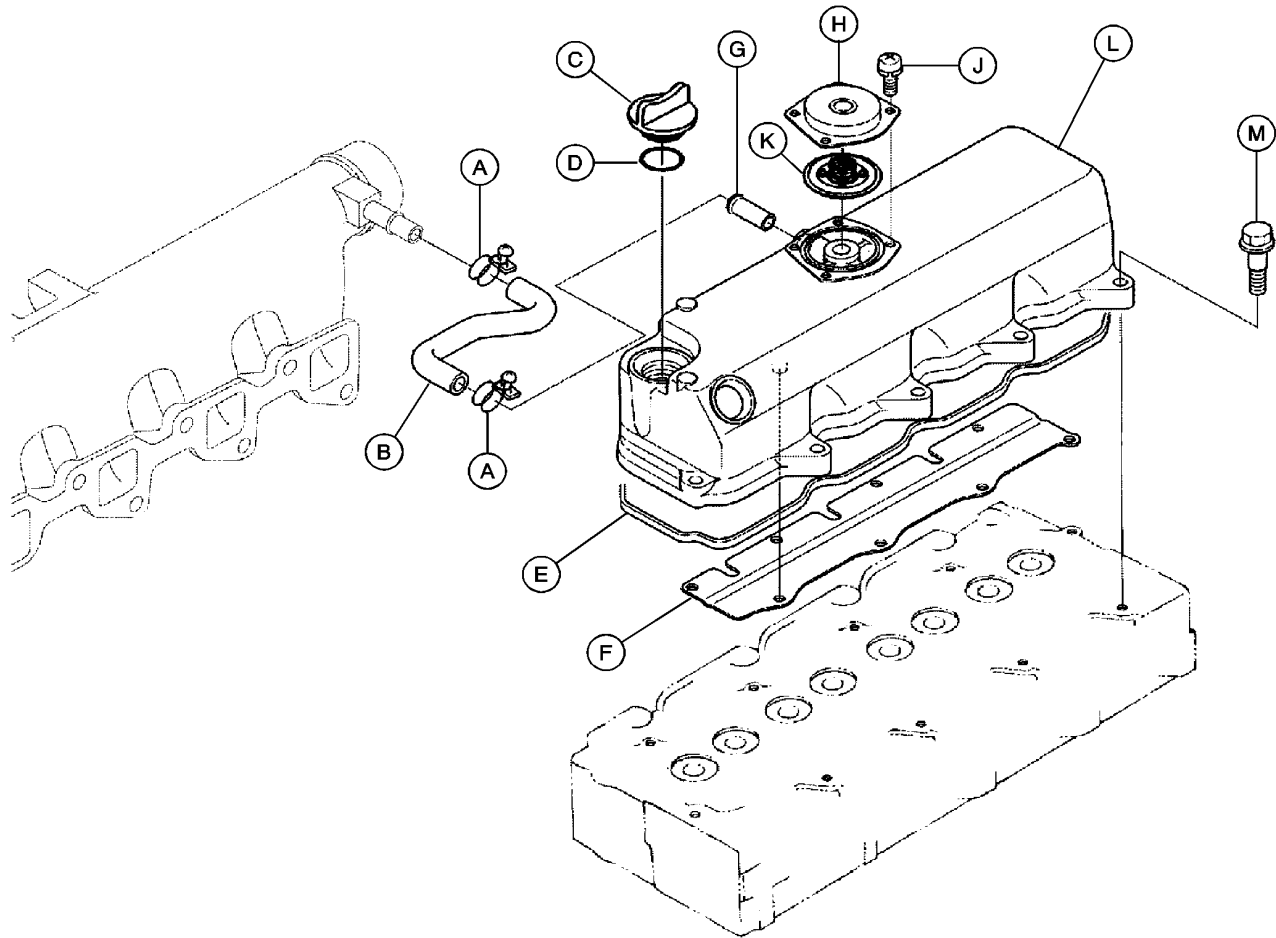
CYLINDER HEAD ASSEMBLY
CYLINDER HEAD ASSEMBLY



22546964_eng04_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	22594519	NUT	1	
P	22587455	JOINT, PIPE	1	
Q	22586796	PLUG	2	
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	22568307	COMPLETE CYLINDER HEAD	1	INCLUDES ITEMS F-J & Q

VALVE COVER
VALVE COVER

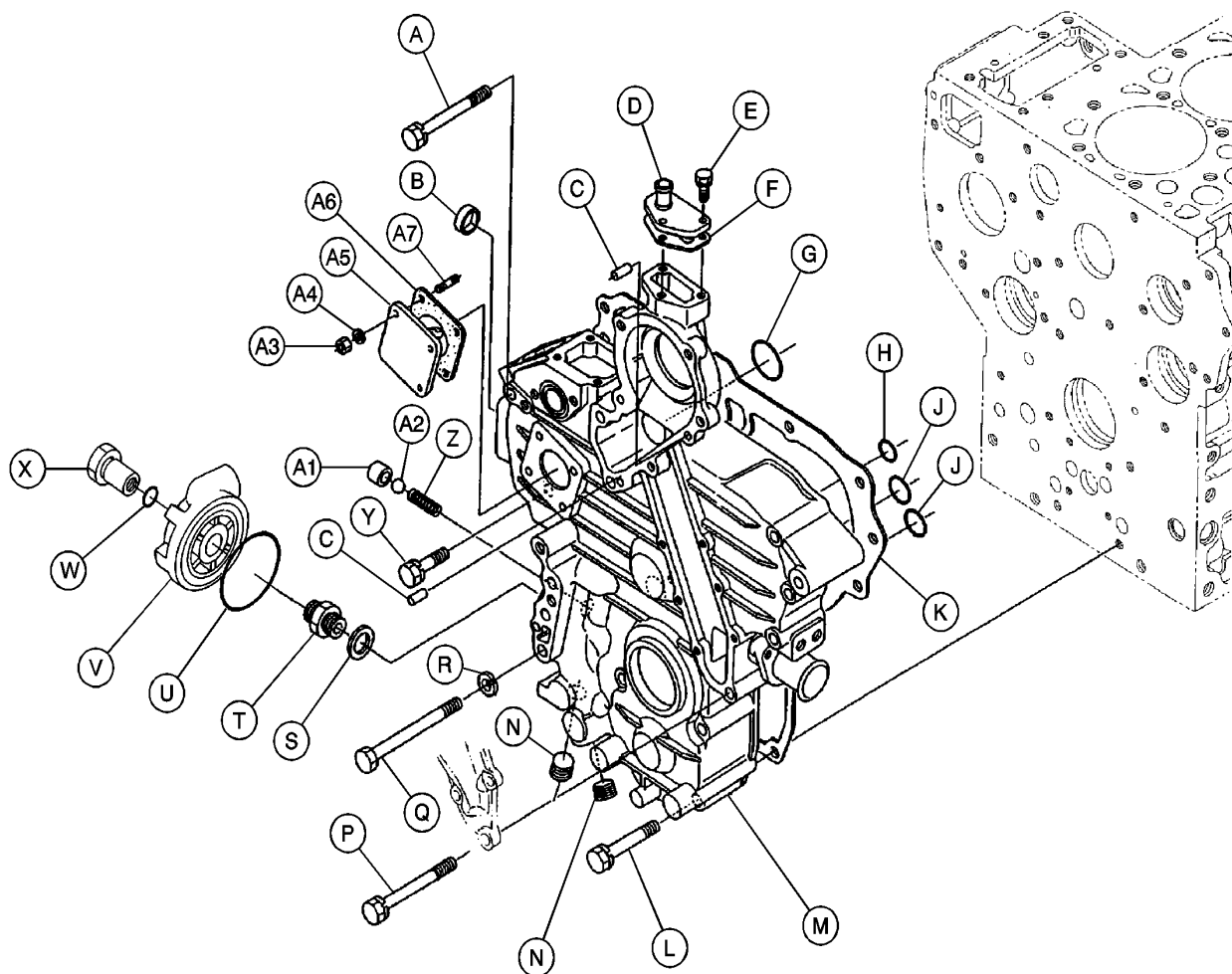


22546964_eng05_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22595060	CLAMP, PIPE	2	L=10 INCLUDES ITEMS F-K
B	22595763	TUBE, BREATHER	1	
C	22567846	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	22595581	COVER, BREATHER	1	
J	22594576	SCREW, WITH WASHER	4	
K	22588800	VALVE, BREATHER	1	
L	22595532	COVER ASSEMBLY, CYLINDER HEAD VALVE	1	
M	22588909	BOLT	10	

GEAR CASE

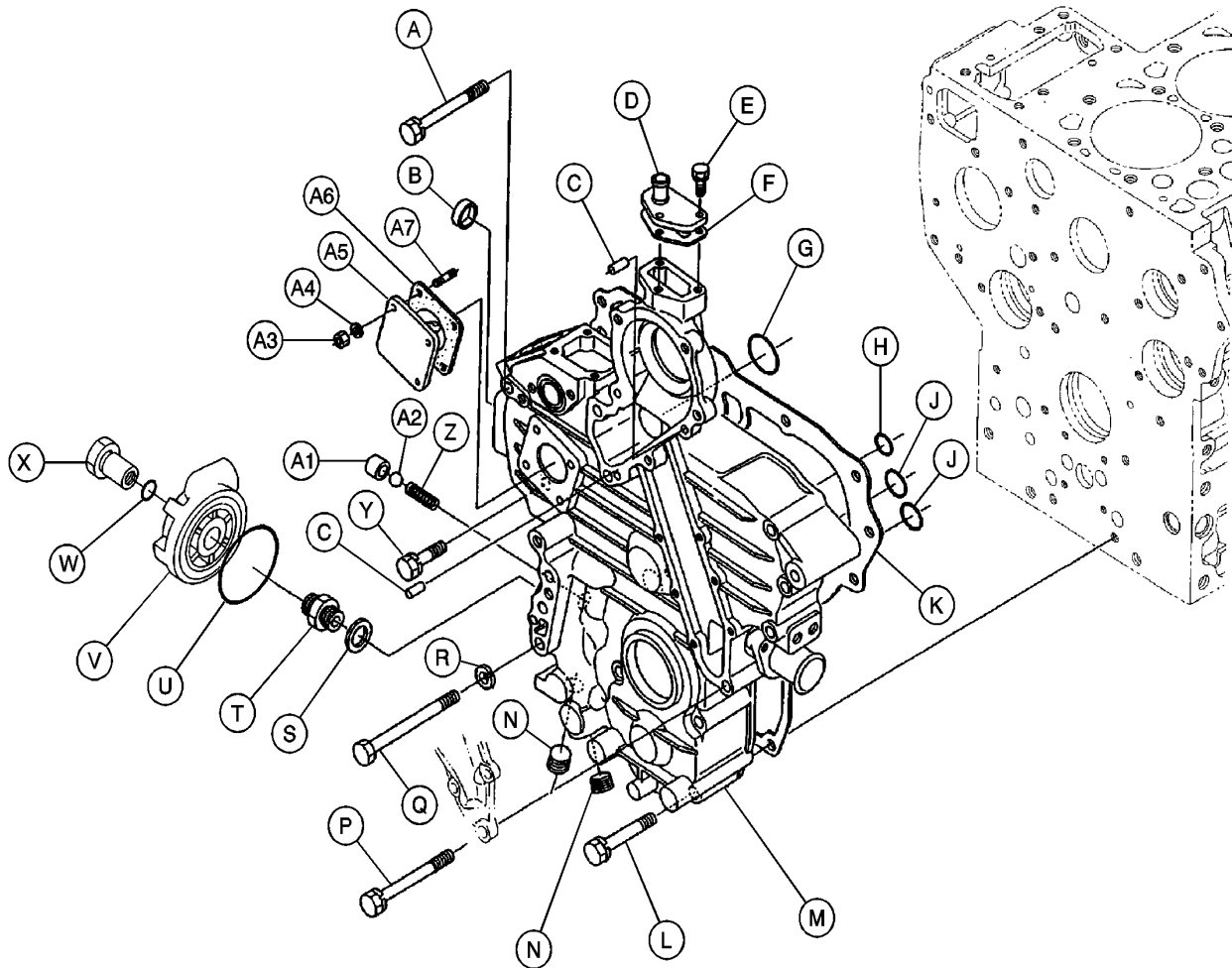
GEAR CASE



22546964_eng06_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22587620	BOLT	1	L=20
B	22595029	CAP, SEALING	1	
C	22594790	PIN, STRAIGHT	2	
D	22587018	FLANGE, WATER RETURN	1	
E	22594162	BOLT	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	7	L=70
M	22568380	GEAR CASE COMPLETE	1	
N	22587406	PLUG	2	includes item N
P	22587638	BOLT	2	
Q	22594360	BOLT	2	
				L=110

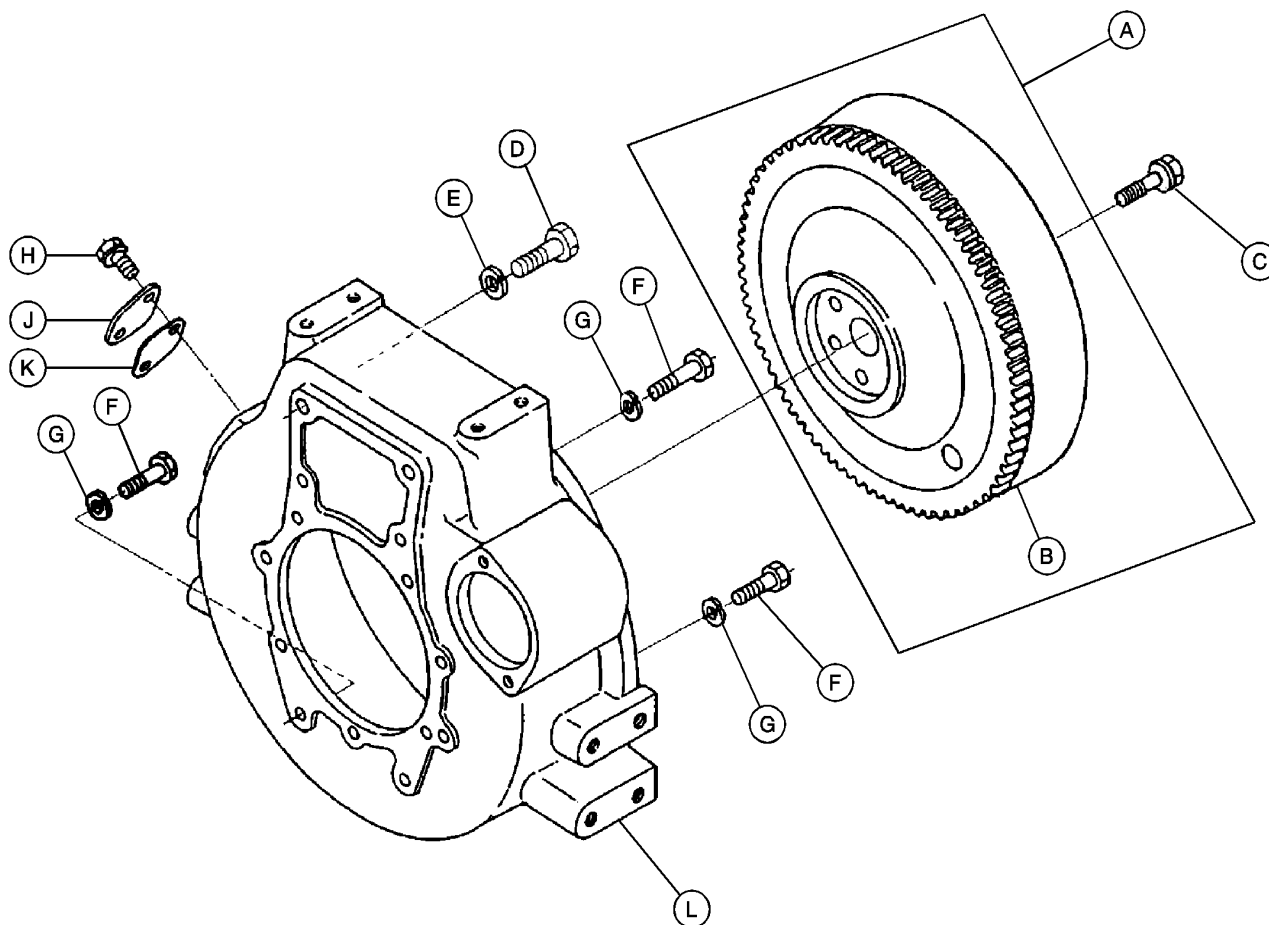
GEAR CASE
GEAR CASE



22546964_eng06_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
R	22594634	WASHER, SPRING LOCK	2	L-35
S	22588487	COLLAR, VALVE SEAT	1	
T	22587794	JOINT, PIPE	1	
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	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	

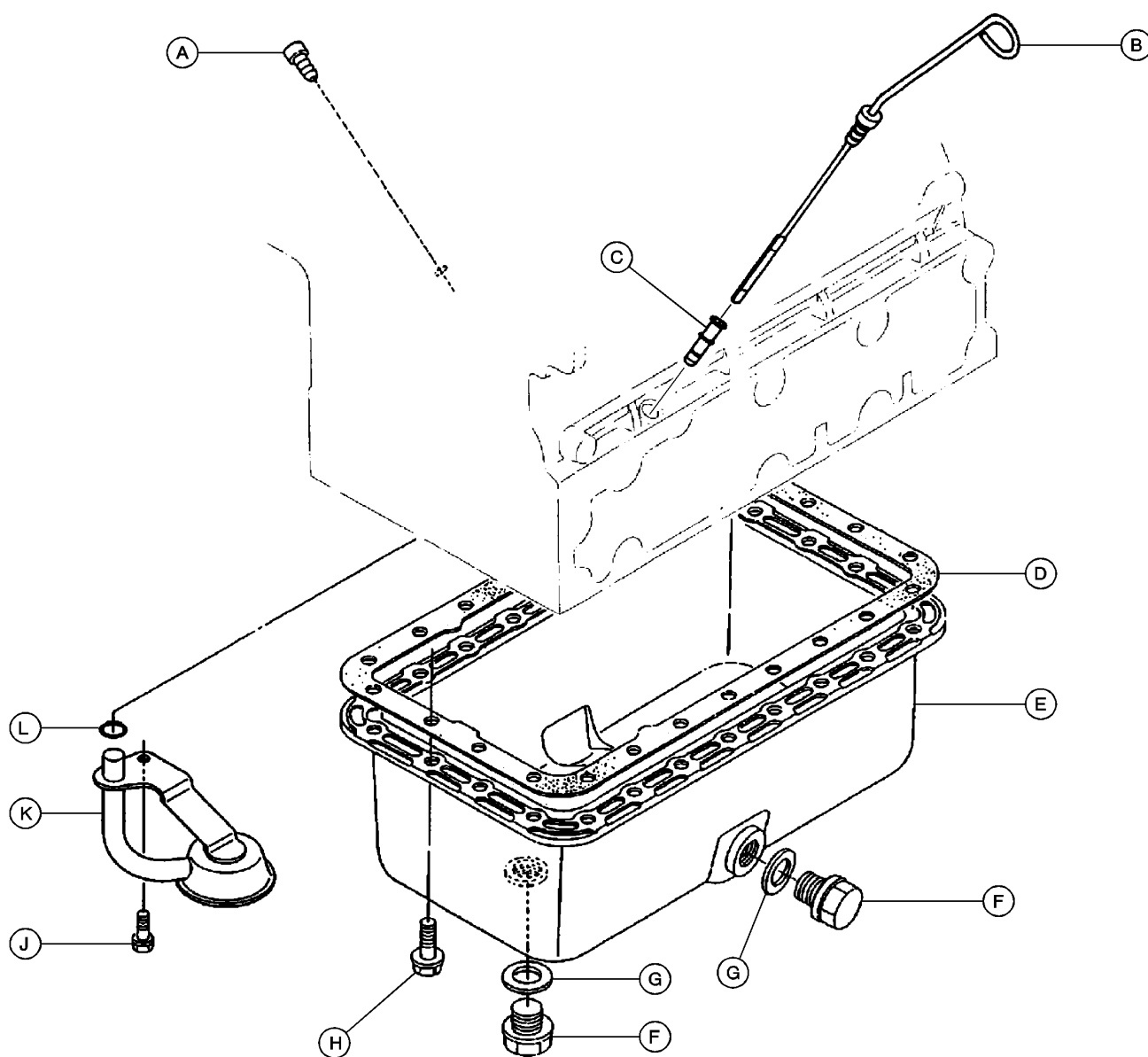
FLYWHEEL
FLYWHEEL



22546964_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	

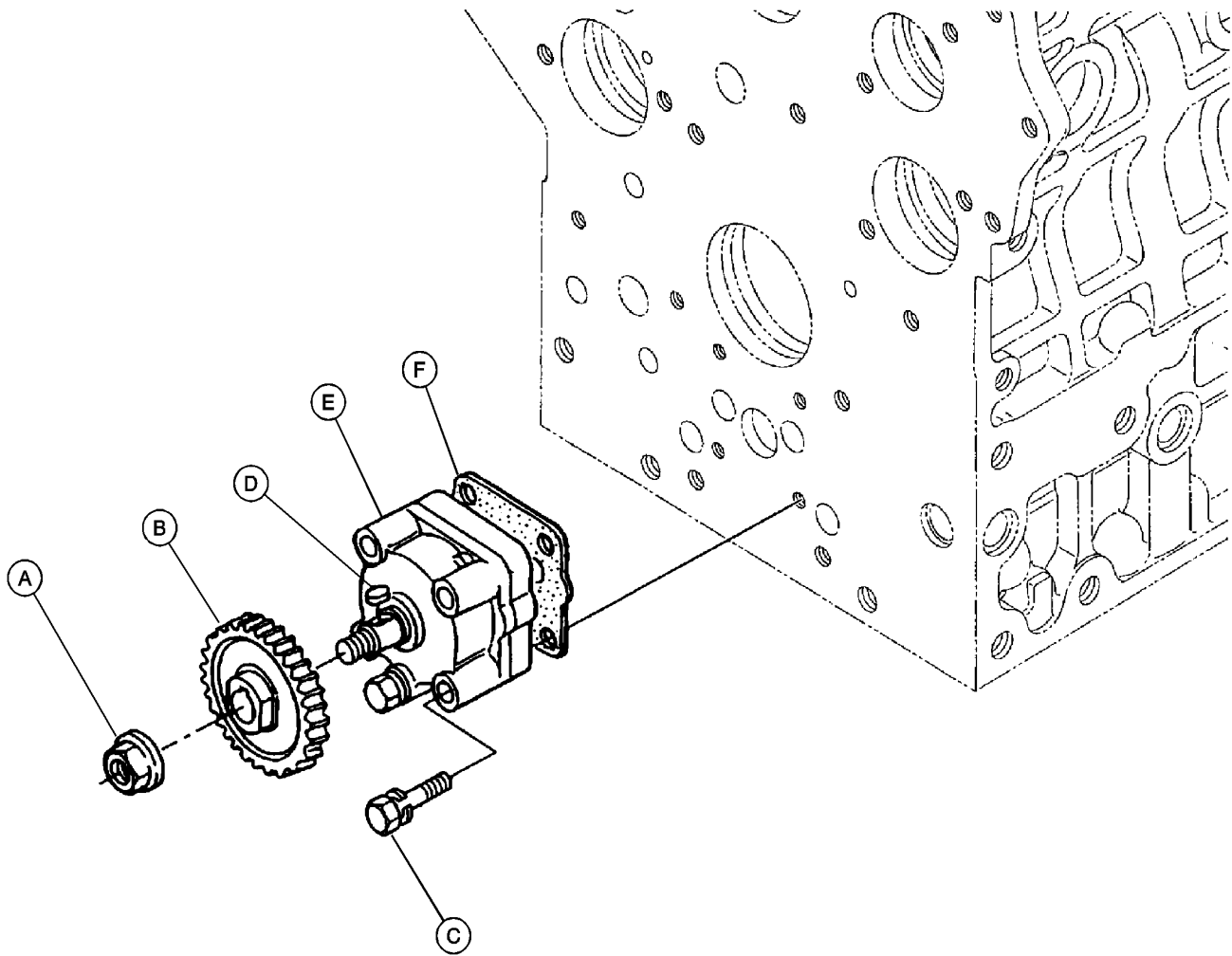
OIL PAN
OIL PAN



22546964_eng08_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22568224	PLUG, DIPSTICK HOLE	1	
B	22568299	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	

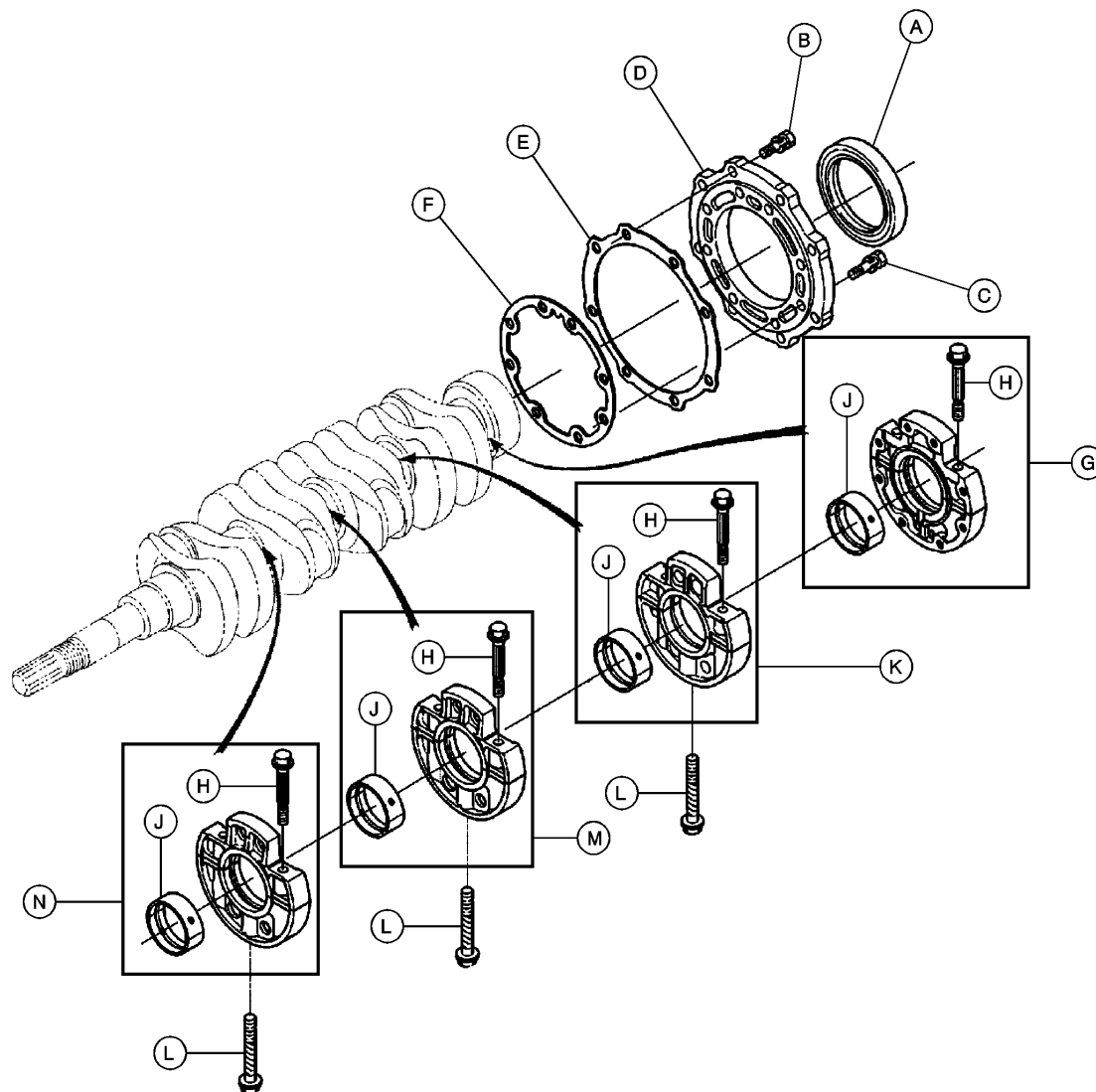
OIL PUMP
OIL PUMP



22546964_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	22586903	PUMP ASSEMBLY, OIL	1	
F	22587794	GASKET, OIL PUMP	1	

CRANKSHAFT BEARINGS CRANKSHAFT BEARINGS

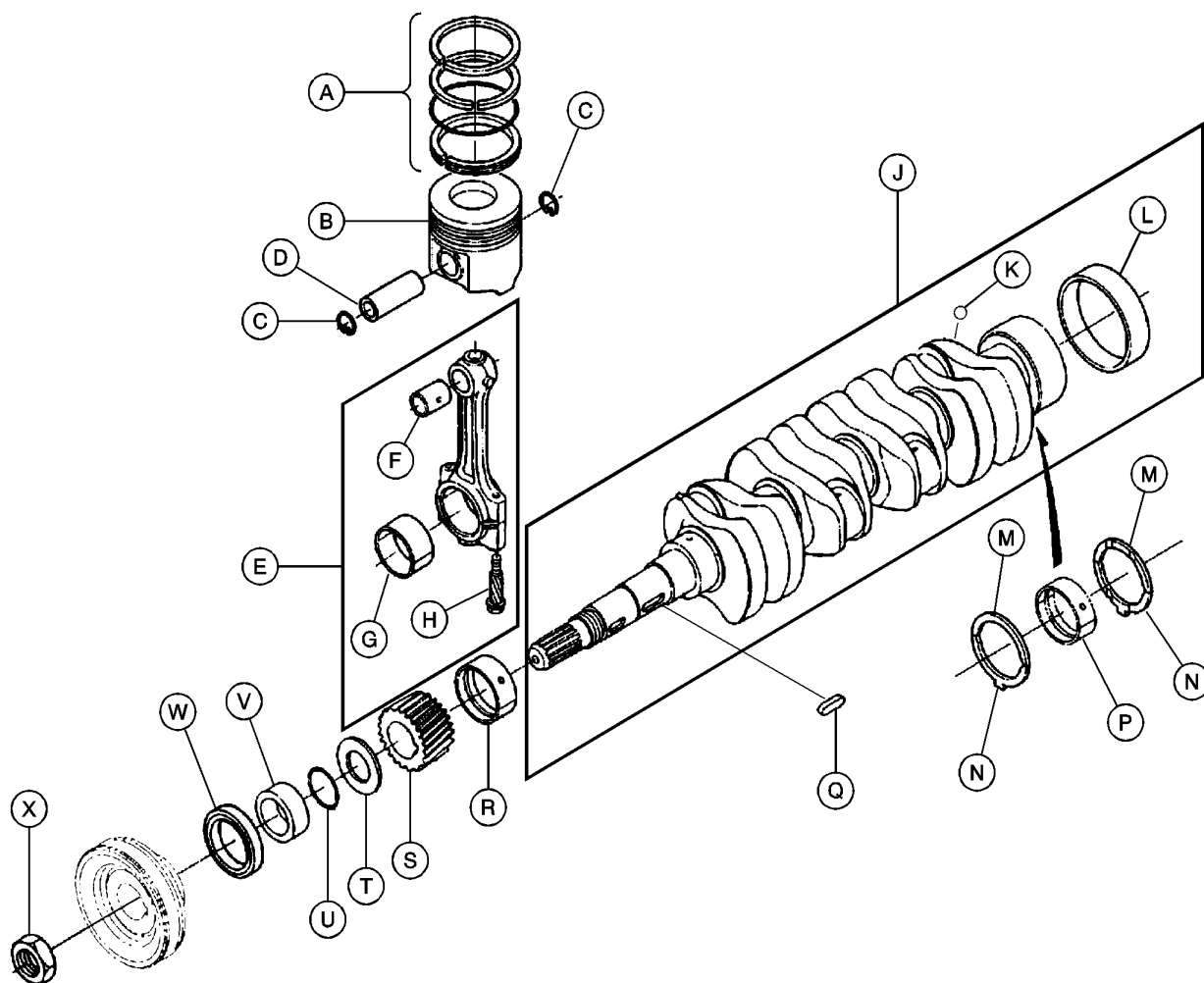


22546964_eng10_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22588784	SEAL, OIL	1	
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	STD SET
	22588222	METAL, CRANKSHAFT	4	-0.20mm SET
	22588230	METAL, CRANKSHAFT	4	-0.40mm SET
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	

CRANKSHAFT AND PISTONS

CRANKSHAFT AND PISTONS

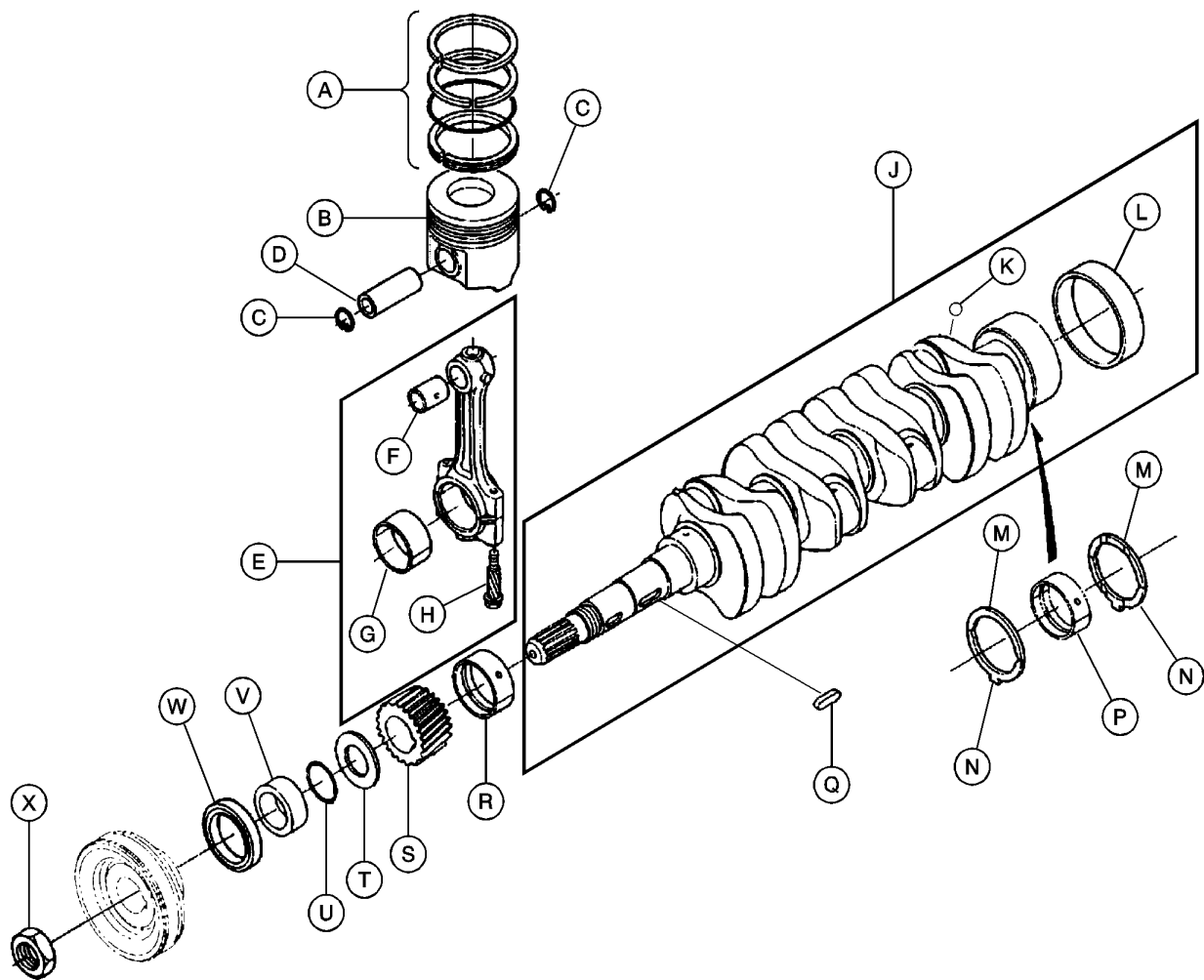


22546964_eng11_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22588461	PISTON RING ASSEMBLY	4	STD
	22588479	PISTON RING ASSEMBLY	4	+0.25mm
B	22595607	PISTON (00)	4	STD
	22595615	PISTON (00)	4	+0.25mm
	22595599	PISTON (05)	4	STD
	22595623	PISTON (05)	4	+0.25mm
	22595631	PISTON (10)	4	STD
	22595649	PISTON (10)	4	+0.25mm
C	22595383	RING, INTERNAL RETAINING	8	
D	22586473	PIN, PISTON	4	
E	22595219	CONNECTING ROD ASSEMBLY	4	
F	22595243	BUSHING, PISTON PIN	4	

CRANKSHAFT AND PISTONS

CRANKSHAFT AND PISTONS

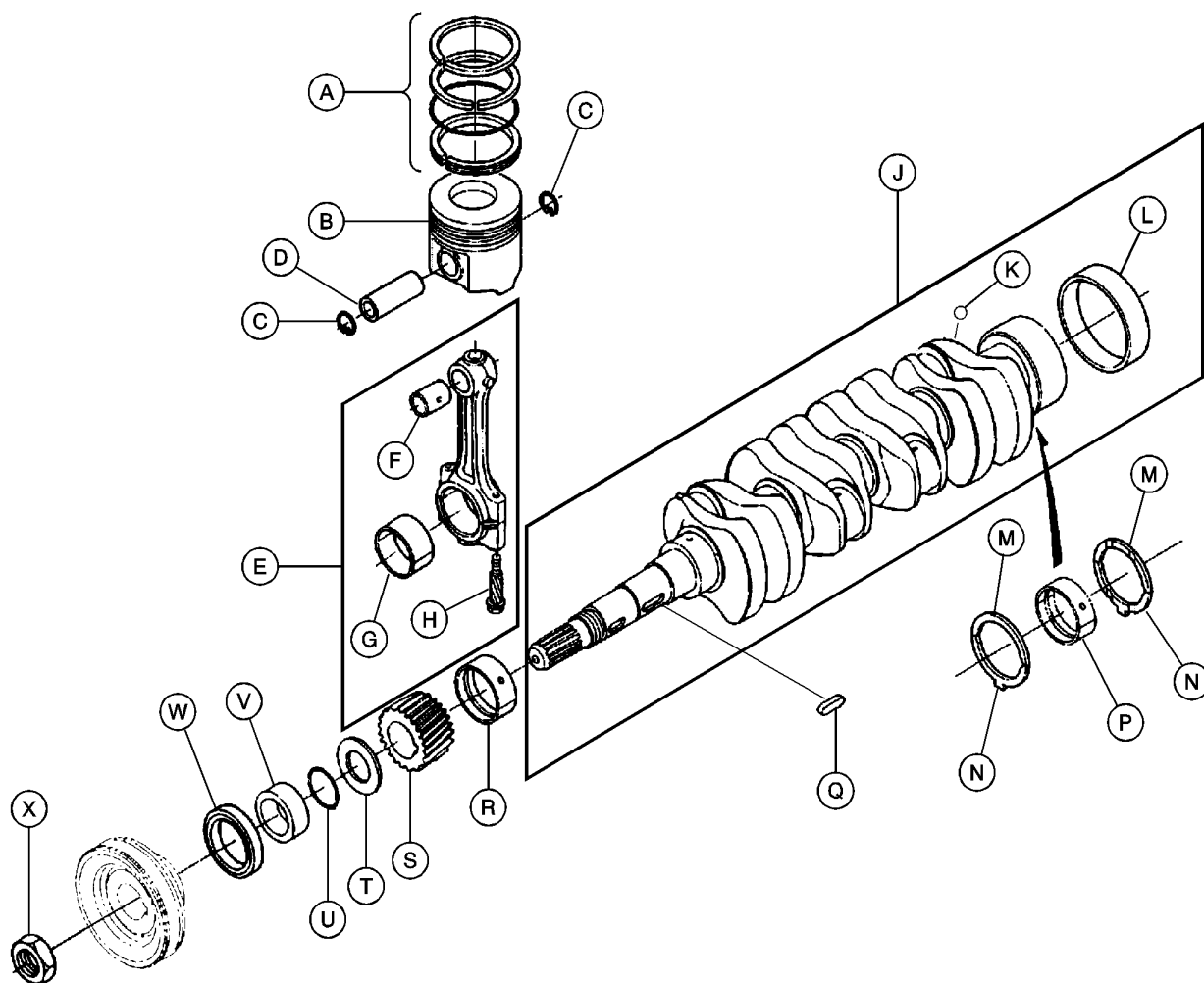


22546964_eng11_2/05_A

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

CRANKSHAFT AND PISTONS

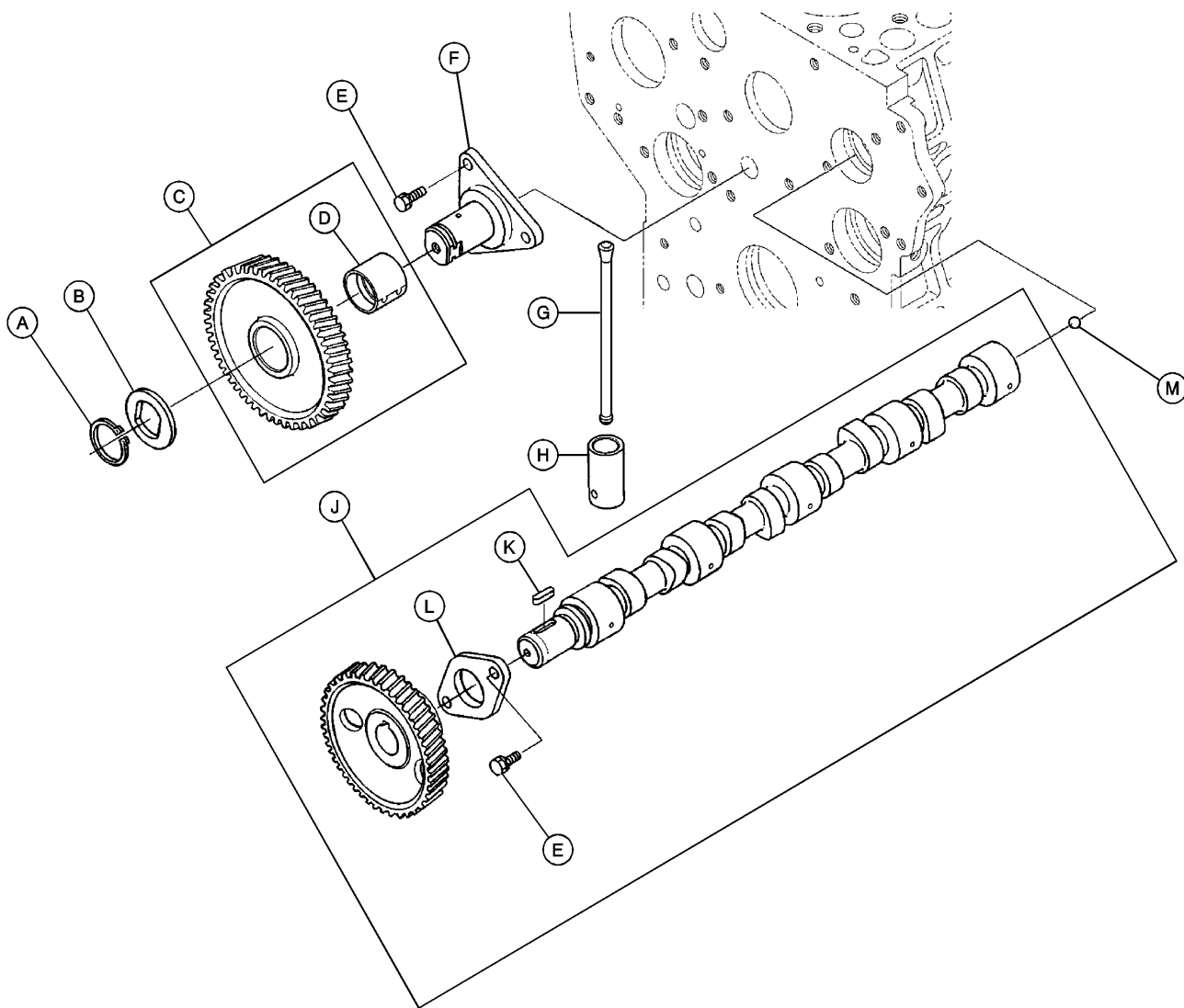


22546964_eng11_2/05_A

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

CAMSHAFT AND IDLE GEAR

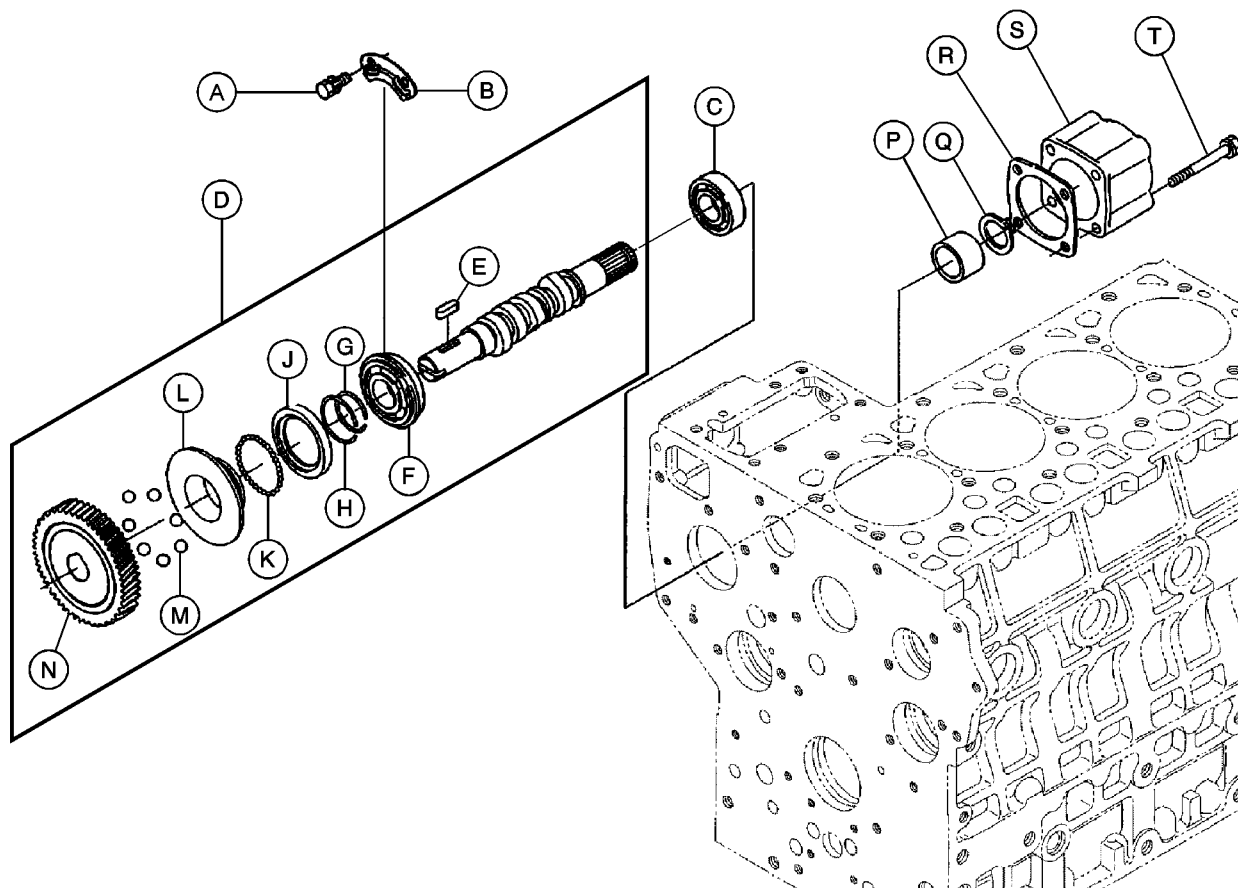


22546964_eng12_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22586887	RING, EXTERNAL RETAINING	1	L=18
B	22587760	COLLAR	1	
C	22588594	GEAR ASSEMBLY, IDLE	1	
D	22587778	BUSHING, IDLE GEAR	1	
E	22594238	BOLT	5	
F	22587752	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

FUEL CAMSHAFT

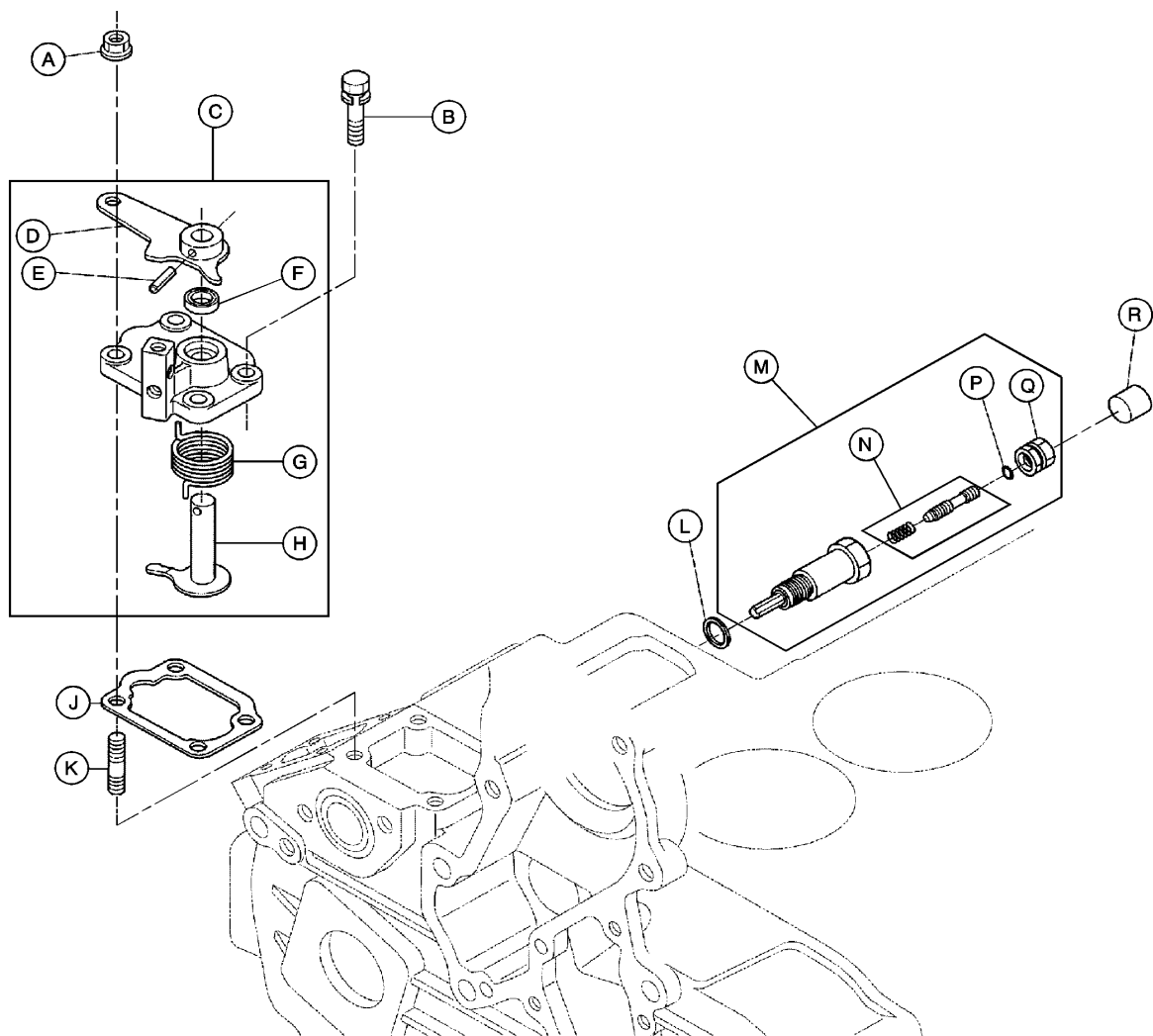


22546964_eng13_2/05_A

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 STOP LEVER

ENGINE STOP LEVER

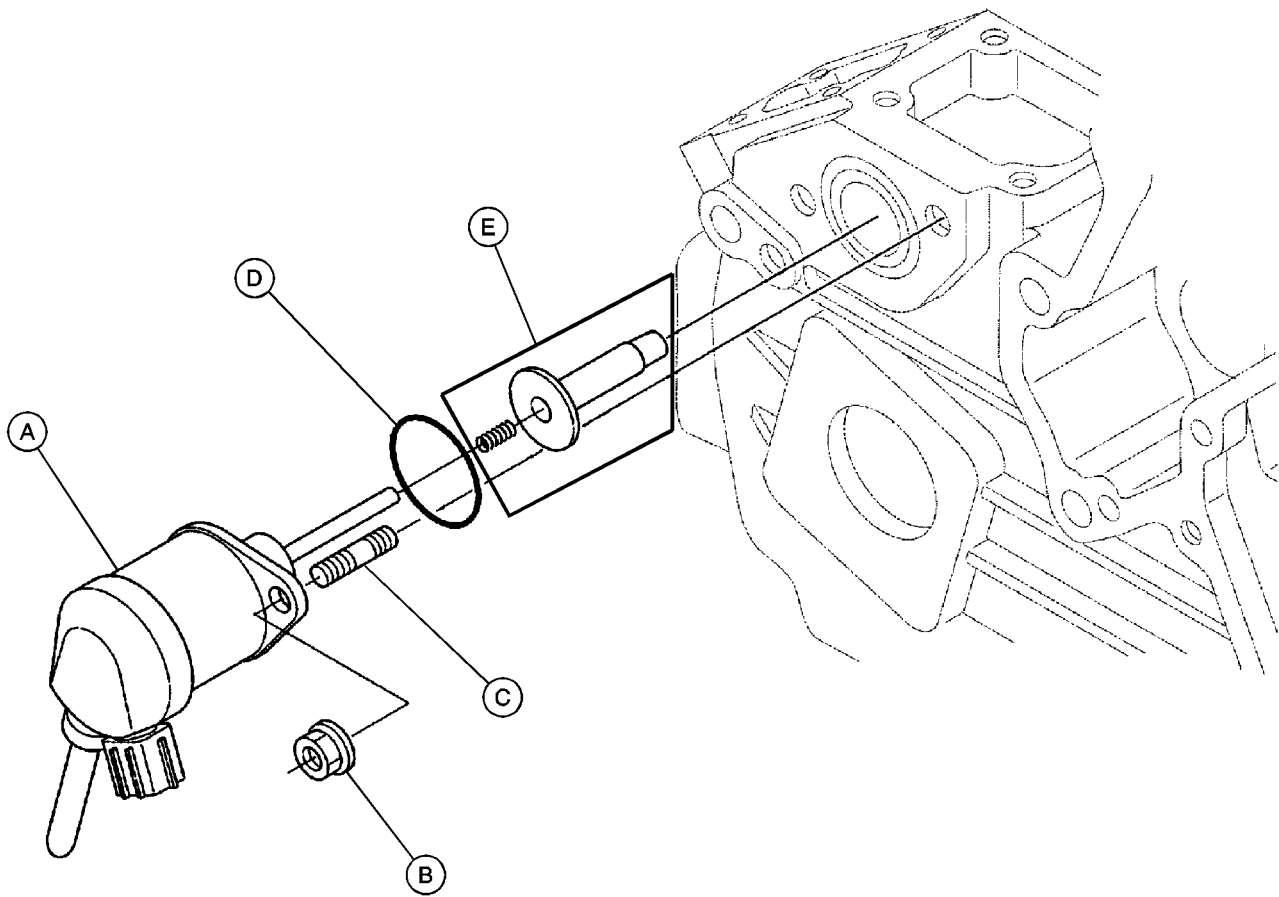


22546964_eng14_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594535	NUT, FLANGE	2	L=20
B	22594162	BOLT	2	
C	22587851	ASSEMBLY LEVER, ENGINE STOP	1	
D	22587877	LEVER, ENGINE STOP	1	
E	22594816	PIN, SPRING	1	
F	22586911	SEAL, OIL	1	
G	22587885	SPRING, RETURN	1	
H	22587869	COMPANION LEVER, STOP	1	
J	22568083	GASKET, PLATE	1	
K	22586754	STUD	2	
L	22594675	GASKET	1	
M	22588628	APPARATUS, IDLING	1	
N	22588610	ASSEMBLY BOLT, ADJUSTMENT	1	
P	22594691	O RING	1	
Q	22588917	NUT, SPRING	1	
R	22588875	CAP	1	

ENGINE STOP SOLENOID

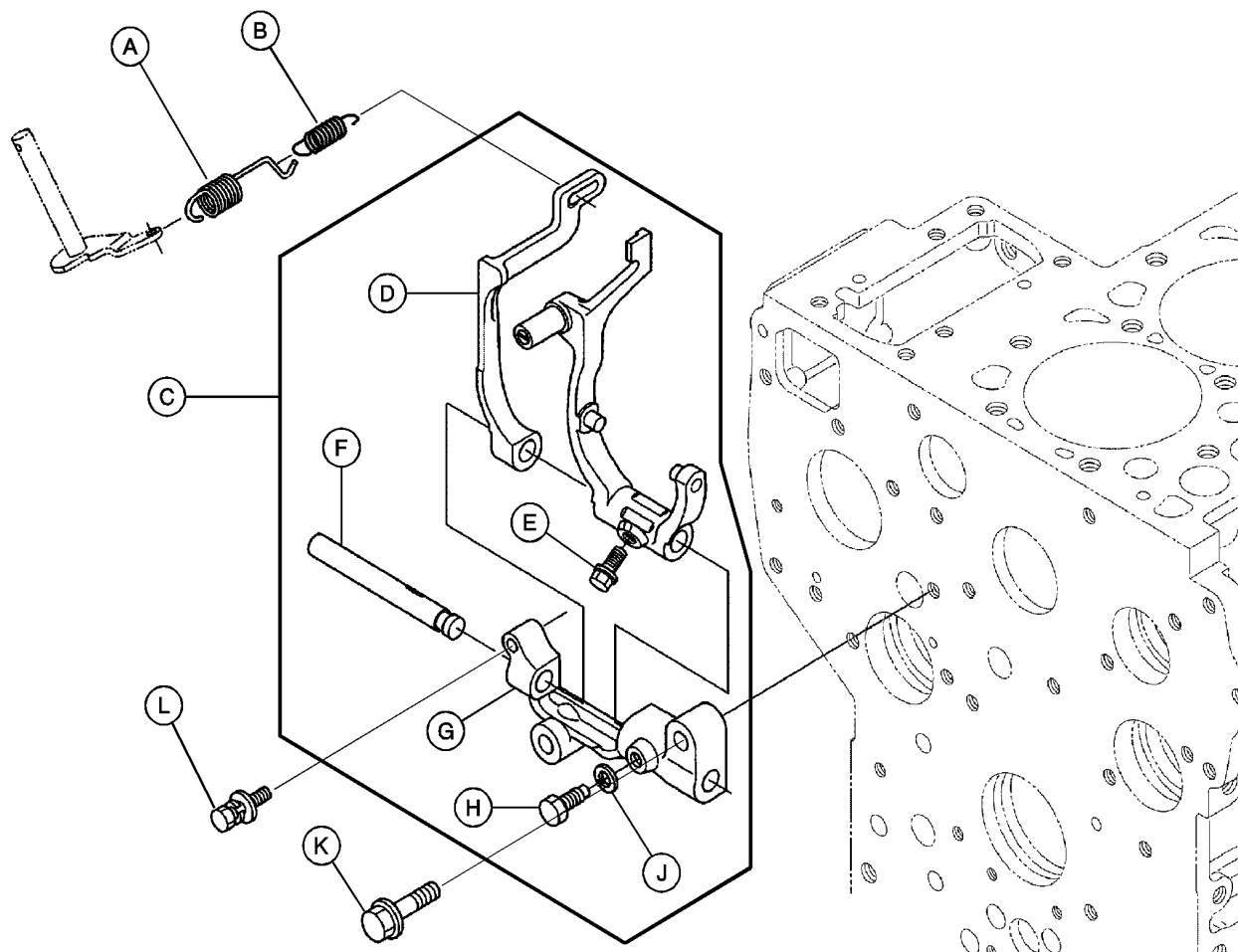
ENGINE STOP SOLENOID



22546964_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
GOVERNOR

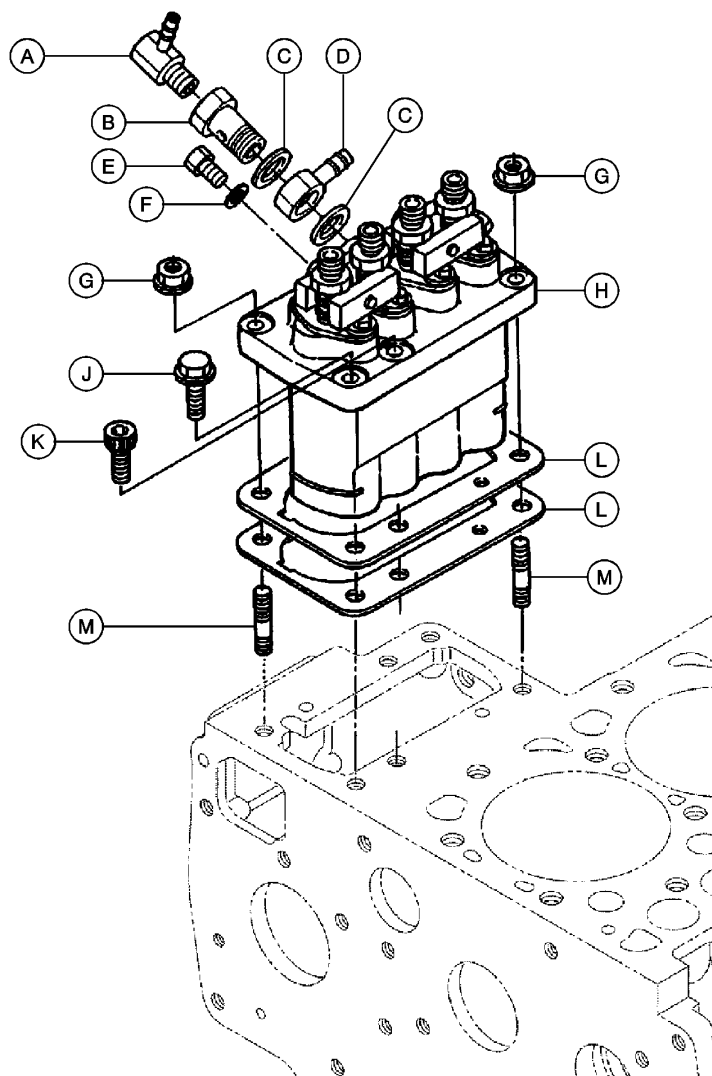


22546964_eng16_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22595540	SPRING, GOVERNOR	1	L=18
B	22588636	SPRING, GOVERNOR	1	
C	22588768	FORK LEVER ASSEMBLY	1	
D	22587844	LEVER, FORK	1	
E	22594444	BOLT, FLANGE	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, FLANGE	2	
L	22594196	BOLT	1	L=30

INJECTION PUMP

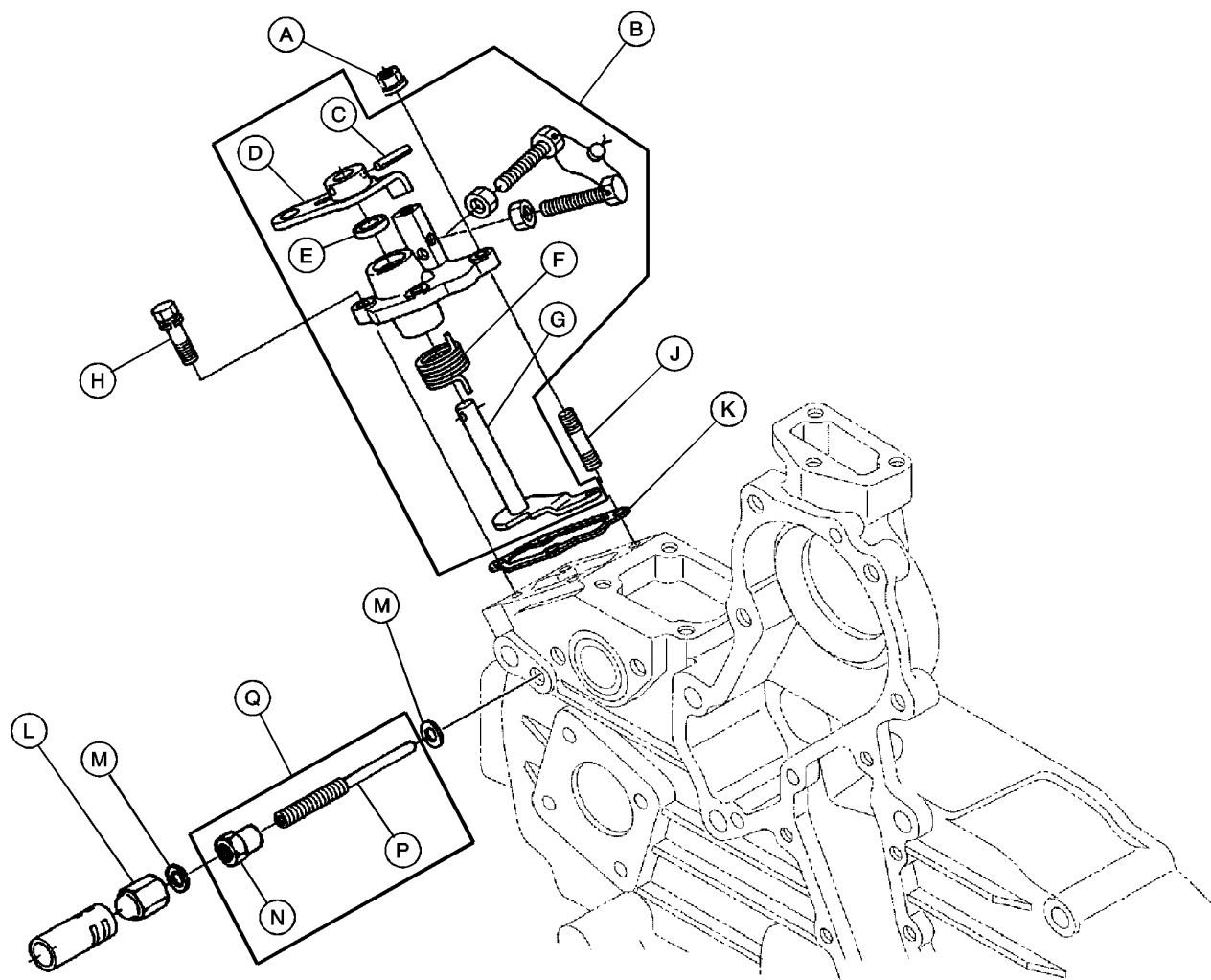
INJECTION PUMP



22546964_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	22568315	INJECTION ASSEMBLY, PUMP	1	
J	22594451	BOLT, FLANGE	3	L=20
K	22594402	BOLT, HEX-SOC-HD	1	L=20
L	22587661	SHIM, INJECTION PUMP	1	t=0.20mm
	22587679	SHIM, INJECTION PUMP	1	t=0.25mm
	22587687	SHIM, INJECTION PUMP	1	t=0.30mm
	22588495	SHIM, INJECTION PUMP	1	t=0.35mm
M	22567853	STUD	2	

THROTTLE CONTROL THROTTLE CONTROL

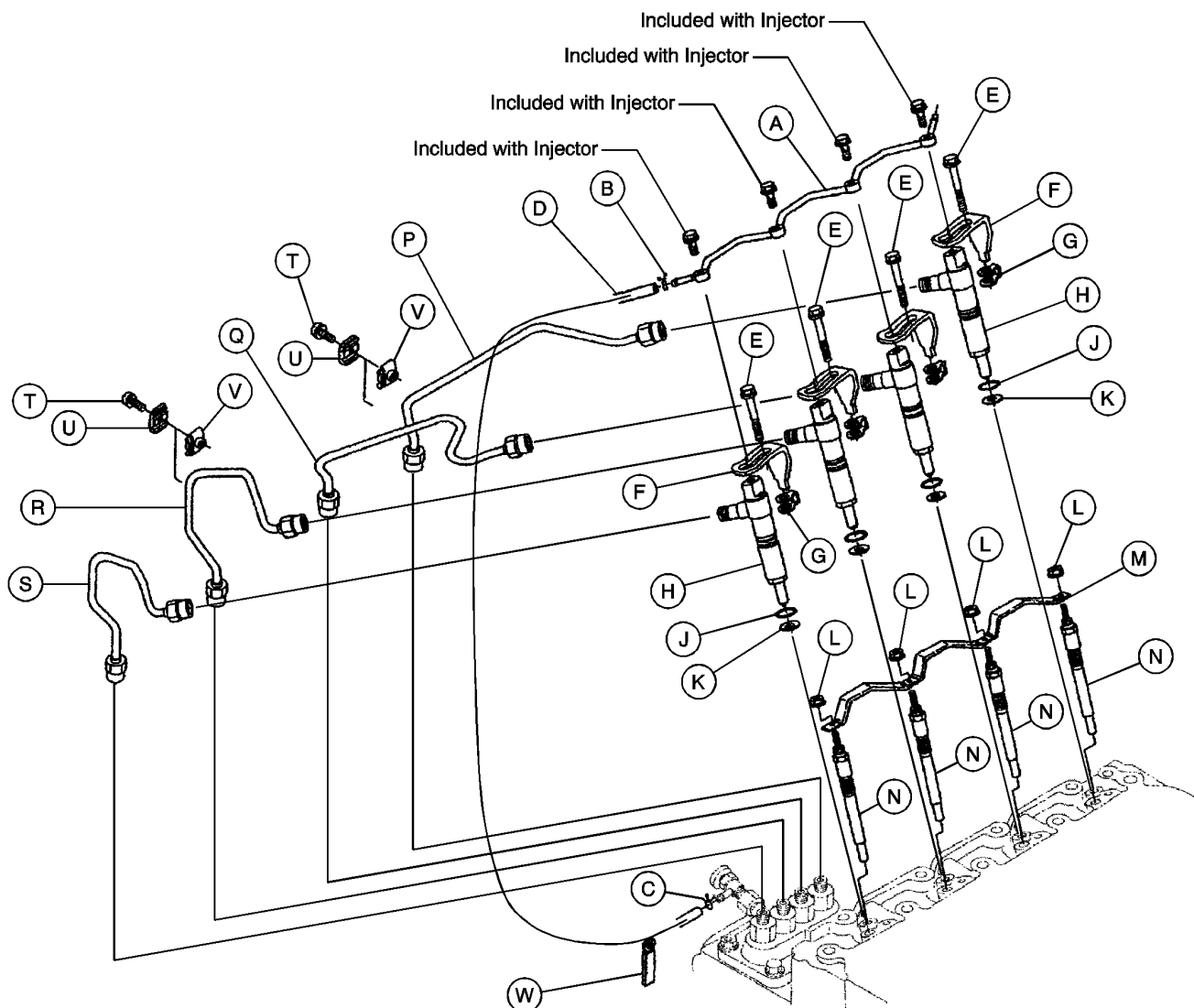


22546964_eng18_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594535	NUT, FLANGE	2	
B	22595557	PLATE ASSEMBLY, CONTROL	1	
C	22594816	PIN, SPRING	1	
D	22588552	LEVER, SPEED CONTROL		
E	22586911	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

FUEL LINES and GLOW PLUGS

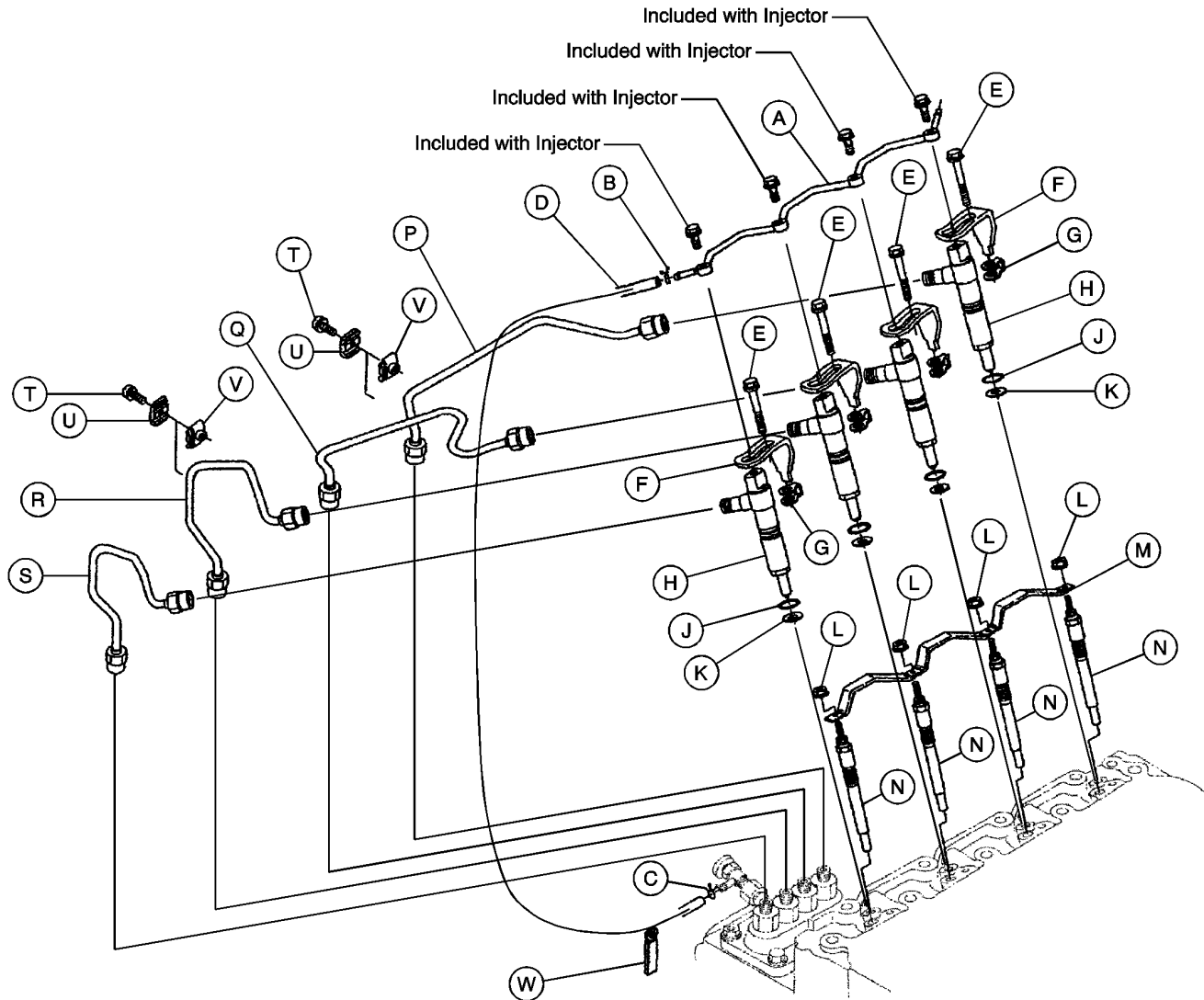


22546964_eng19_2/05_A

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	22568323	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

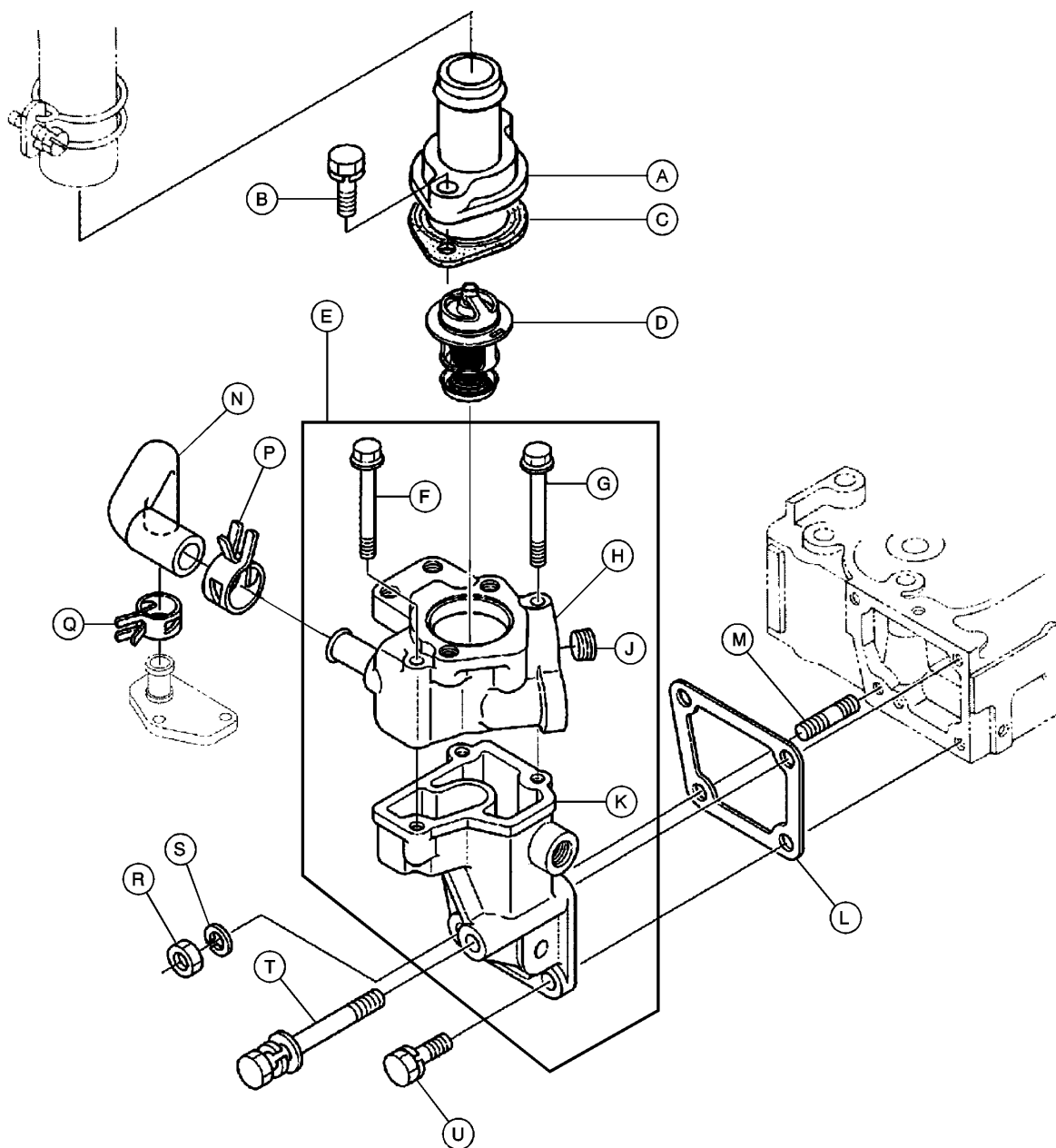
FUEL LINES and GLOW PLUGS



22546964_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	22588511	PIPE, INJECTION	1	
S	22588503	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	

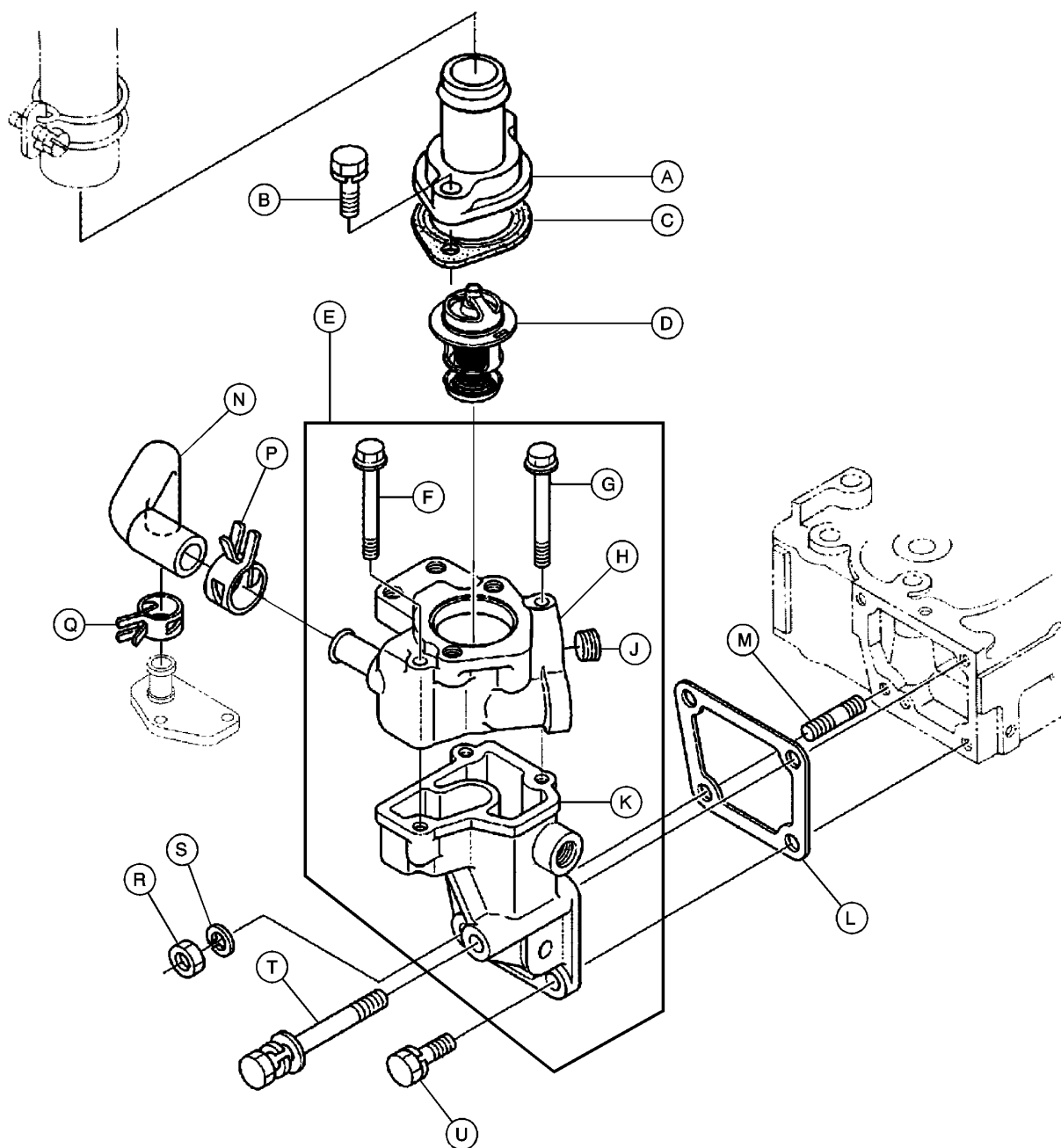
THERMOSTAT HOUSING THERMOSTAT HOUSING



22546964_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	22626436	HOUSING, LOWER THERMOSTAT	1	

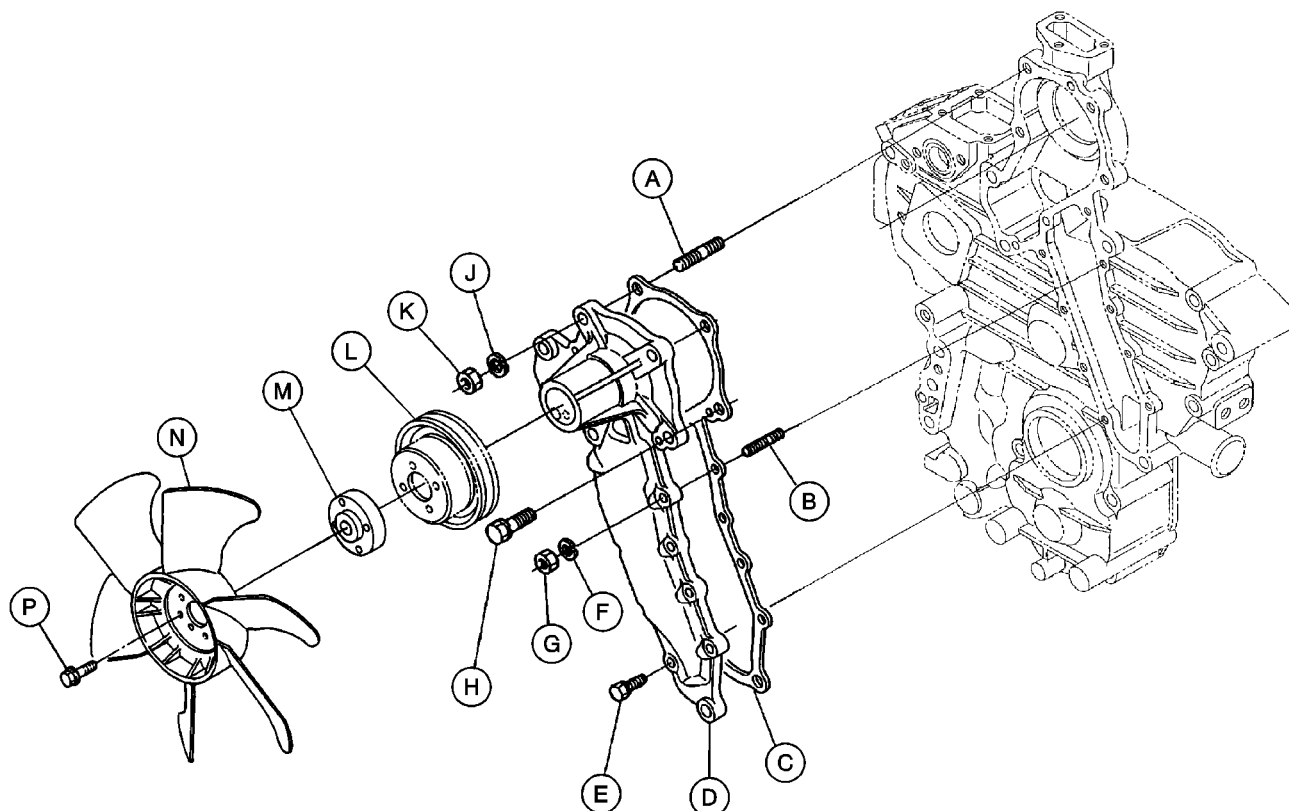
THERMOSTAT HOUSING
THERMOSTAT HOUSING



22546964_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 AND FAN WATER PUMP AND FAN

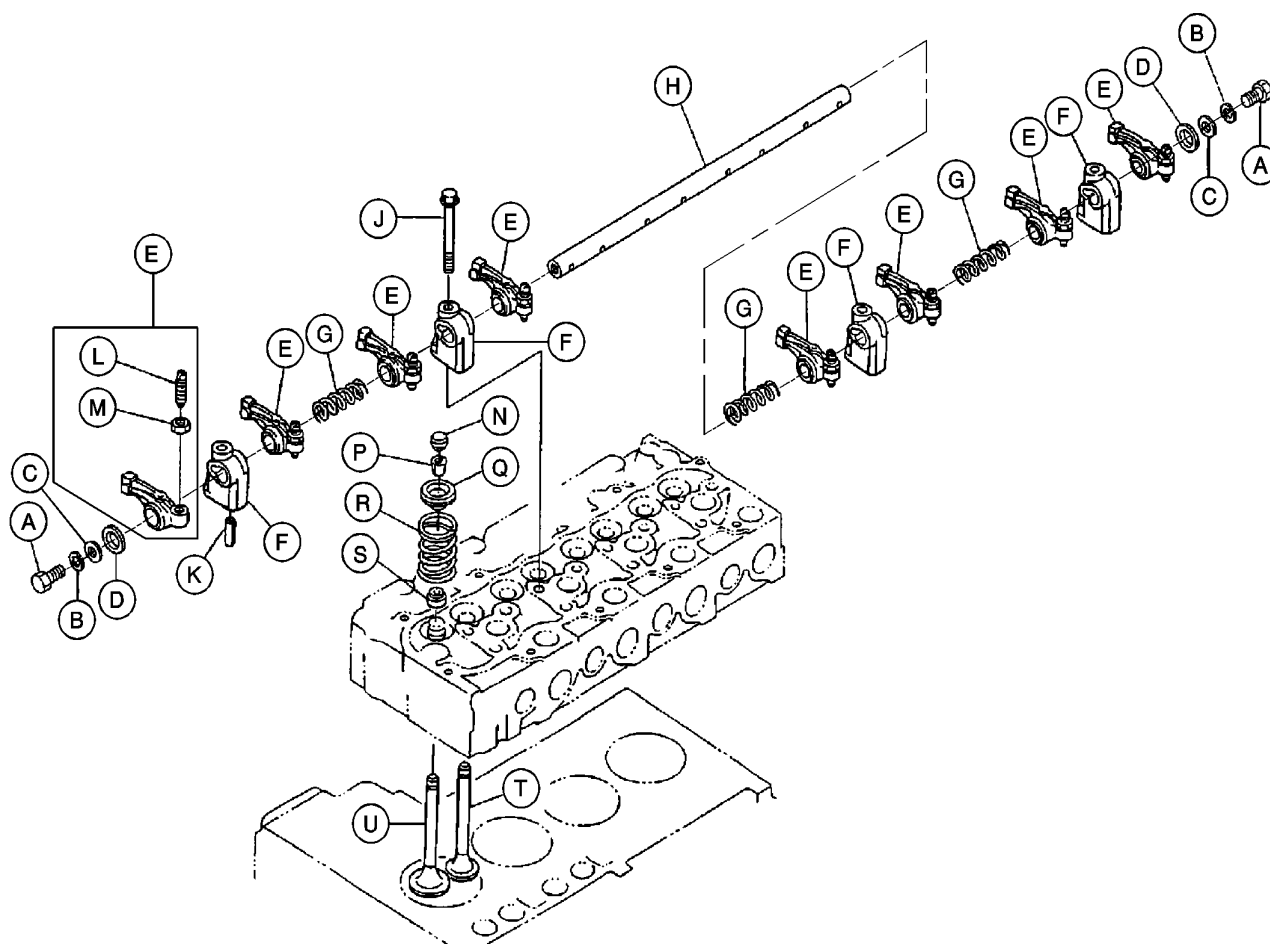


22546964_eng21_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594436	STUD	1	L=18
B	22586754	STUD	1	
C	22568133	GASKET, WATER PUMP	1	
D	22568125	ASSEMBLY PUMP, WATER	1	
E	22594154	BOLT	5	
F	22594626	WASHER, SPRING LOCK	1	
G	22594493	NUT	1	
H	22594253	BOLT	2	
J	22594634	WASHER, SPRING LOCK	1	
K	22594519	NUT	1	
L	22568018	PULLEY, FAN	1	L=28
M	22568174	SPACER, FAN	1	
N	22567986	FAN	1	
P	22567804	BOLT, FLANGE	4	L=55

ROCKER ARM ASSEMBLY

ROCKER ARM ASSEMBLY

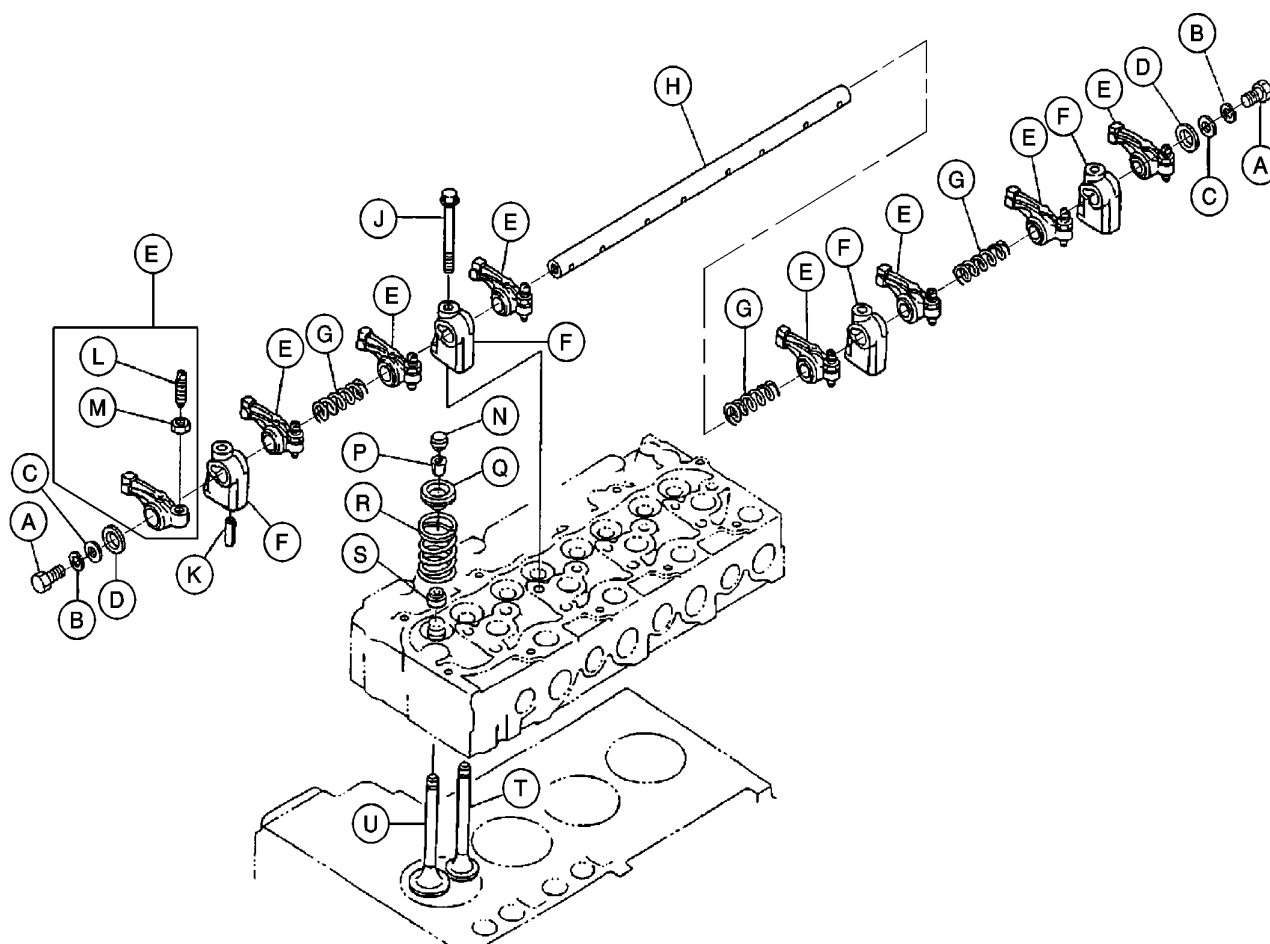


22546964_eng22_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594378	BOLT	2	L=12 L=55
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	

ROCKER ARM ASSEMBLY

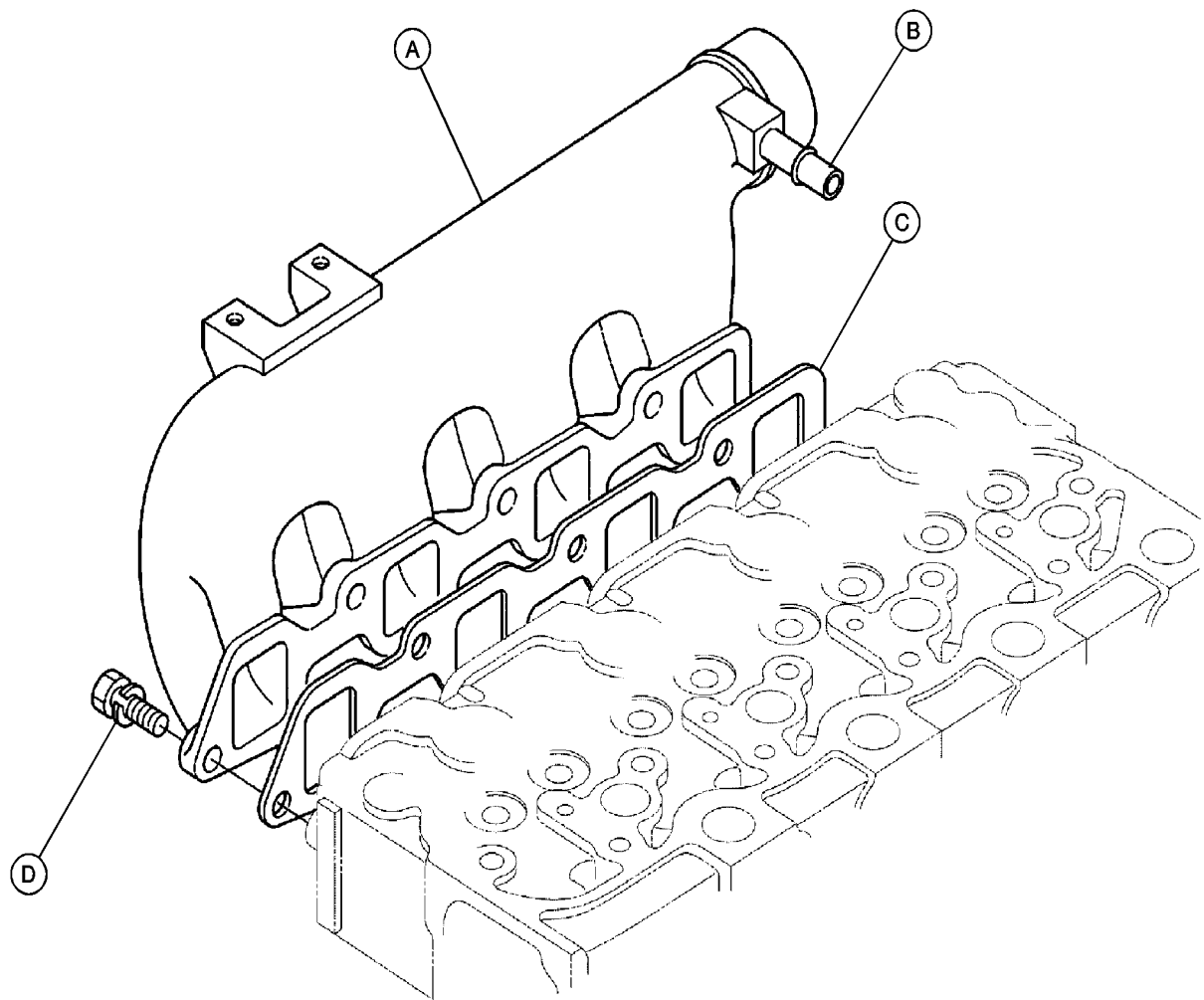
ROCKER ARM ASSEMBLY



22546964_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	

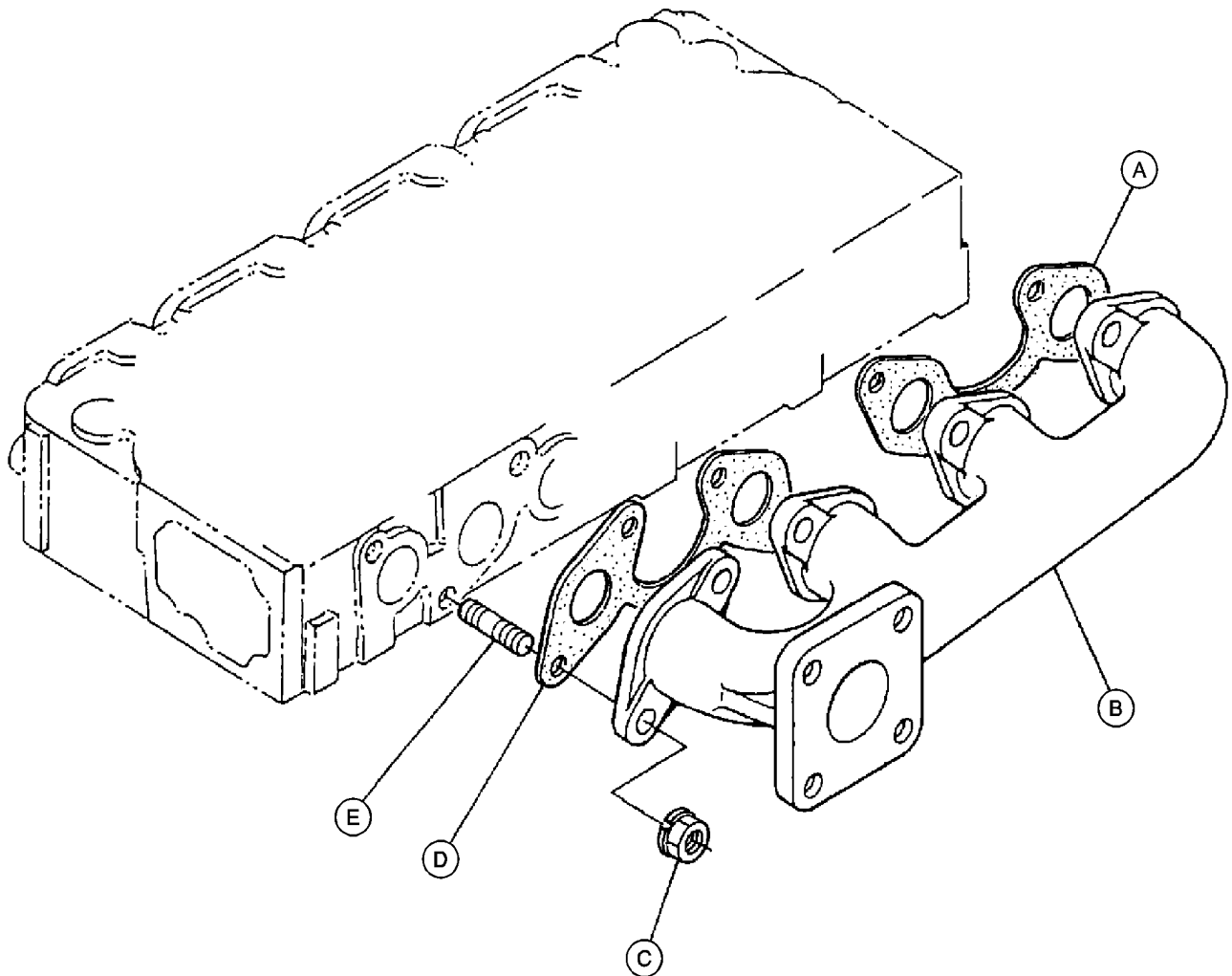
INTAKE MANIFOLD
INTAKE MANIFOLD



22546964_eng23_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22589170	MANIFOLD ASSEMBLY, INLET	1	includes item B
B	22587612	PIPE, WATER RETURN	1	
C	22568281	GASKET, INTAKE MANIFOLD	1	
D	22567788	BOLT, HEX	7	L=22

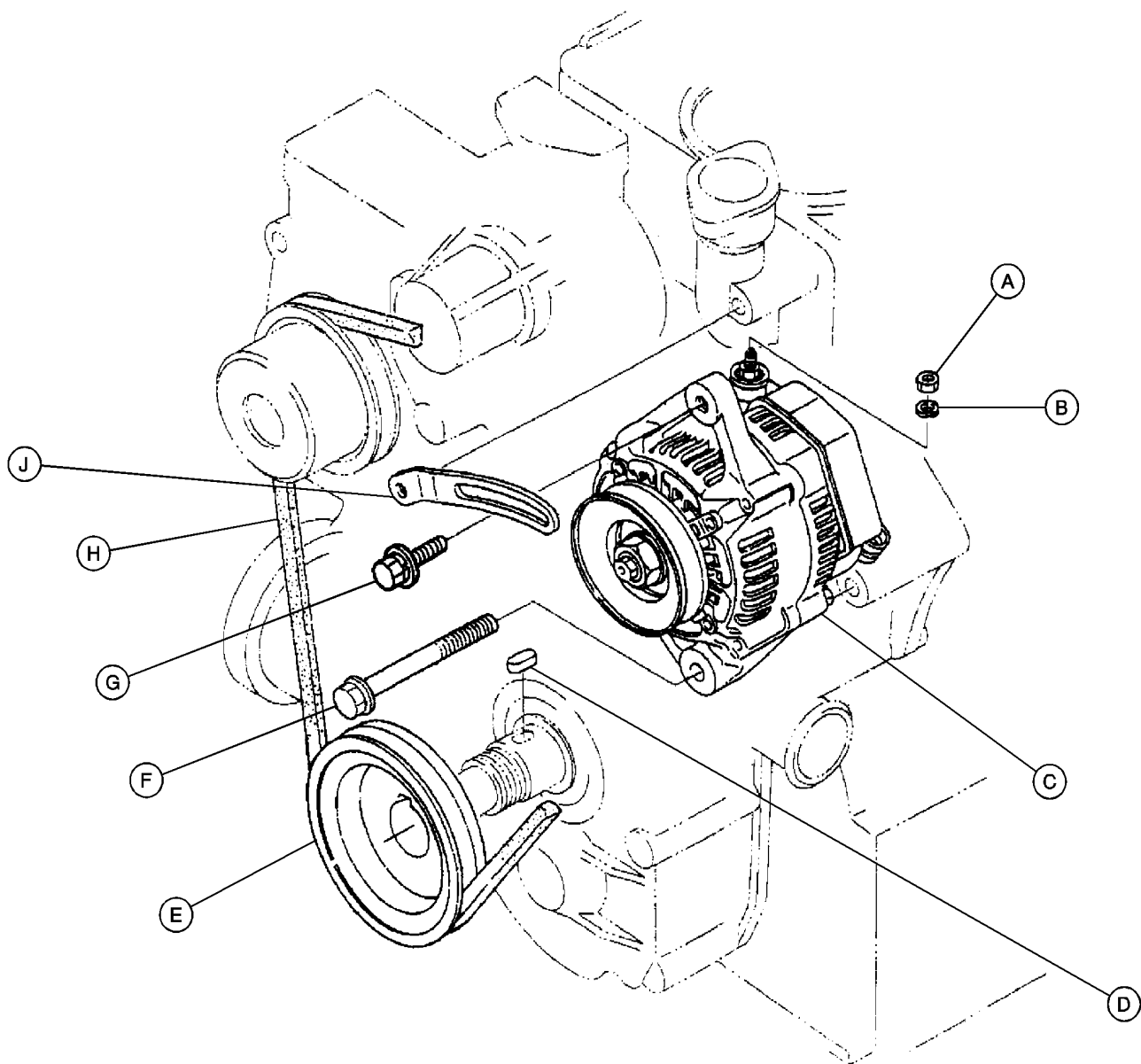
EXHAUST MANIFOLD
EXHAUST MANIFOLD



22546964_eng24_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22568158	GASKET, EXHAUST MANIFOLD	1	
B	22595086	MANIFOLD, EXHAUST	1	
C	22567952	NUT	8	
D	22568141	GASKET, EXHAUST MANIFOLD	1	
E	22567853	STUD	8	

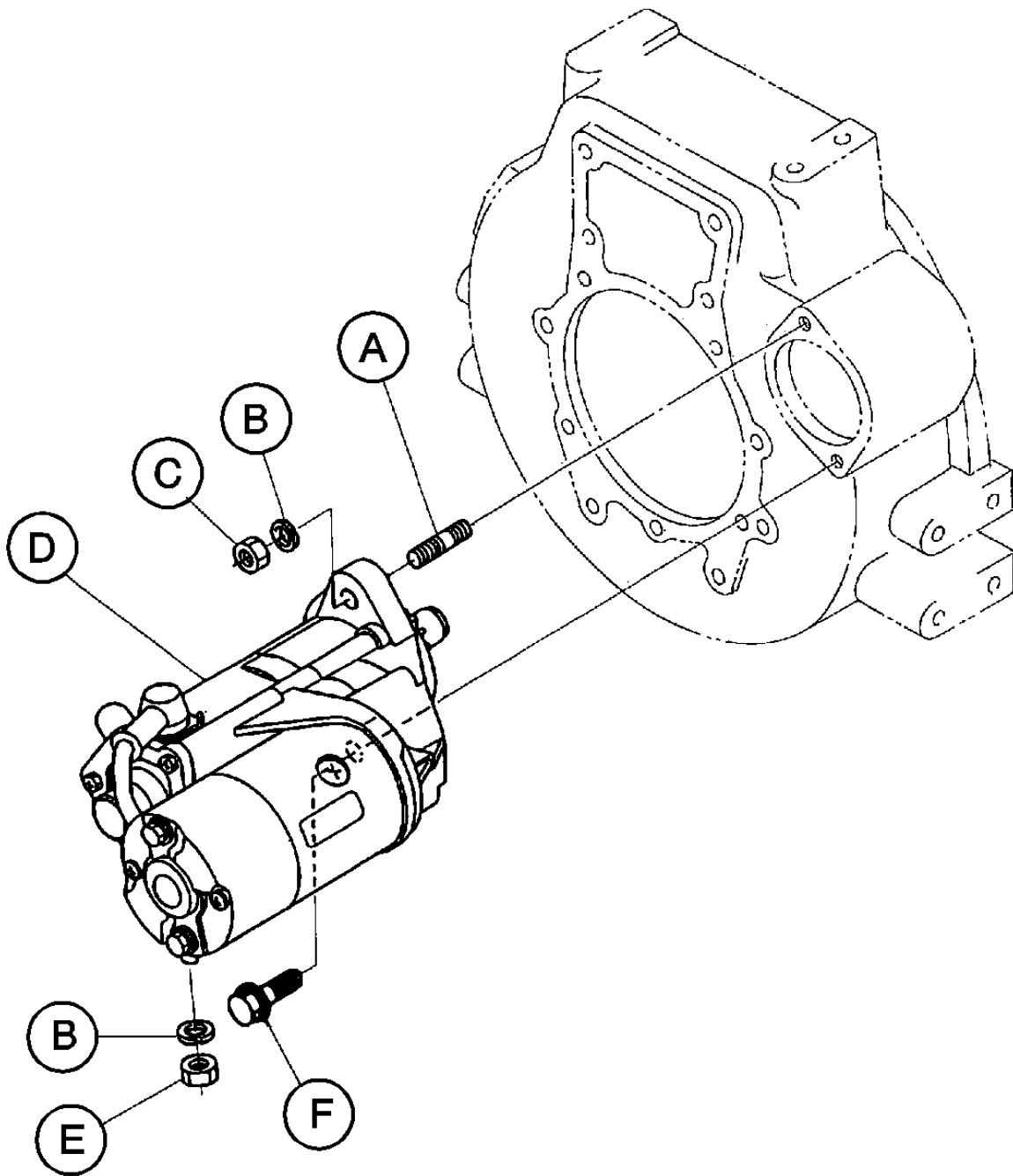
ALTERNATOR AND PULLEY
ALTERNATOR AND PULLEY



22546964_eng25_2/05_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22594493	NUT	1	L=70 L=30
B	22594626	WASHER, SPRING LOCK	1	
C	22567929	ASSEMBLY ALTERNATOR	1	
D	22594865	KEY, FEATHER	1	
E	22588057	PULLEY, FAN DRIVE	1	
F	22594485	BOLT, FLANGE	1	
G	22594345	BOLT	1	
H	22496921	V BELT	1	
J	22595334	STAY, DYNAMO	1	

STARTER
STARTER



22546964_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	

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