

PARTS MANUAL



COMPRESSOR MODEL

P185WJD

Serial Code D75

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Doosan Infracore
Portable Power

TABLE OF CONTENTS

TITLE	PAGE
Section B - COMPRESSOR PARTS	
FRAME, LIFTING BAIL and BELLY PANS	B-2
DRAWBAR	B-4
RUNNING GEAR and FENDERS	B-6
AXLE STANDARD without BRAKES	B-8
TIRE and WHEEL	B-10
JACK ASSEMBLY	B-11
STSD ENGINE MOUNT	B-12
CRBSD ENGINE MOUNT	B-14
AIREND and UNLOADER	B-16
AIREND PIPING	B-18
AIREND MOUNT	B-20
EXHAUST	B-21
COOLERS	B-22
AIR INTAKE and RELAY MOUNTING	B-24
AIR CLEANER	B-26
SEPARATOR TANK	B-27
SEPARATOR FILTER	B-28
AIR and OIL PIPING CRBSD FRONT	B-30
AIR and OIL PIPING CRBSD REAR	B-32
AIR and OIL PIPING STSD	B-34
AIR and OIL PIPING TOP	B-36
SECU MOUNT	B-37
INSTRUMENT PANEL	B-38
FUEL TANK	B-40
LIGHTS and WIRING	B-42
BATTERY MOUNT	B-43
ENCLOSURE	B-44
DECAL LOCATION - EXTERIOR CRBSD LOGO	B-46
DECAL LOCATION - EXTERIOR STSD LOGO	B-47
DECAL LOCATION -- CRBSD	B-48
DECAL LOCATION -- STSD	B-50
Section C - ENGINE PARTS	
ROCKER COVER, AIR and FUEL LINES	C-2
GLOW PLUGS	C-4
REAR OIL SEAL	C-5
OIL COOLER and FILTER	C-6
TIMING GEAR COVER & THERMOSTAT	C-8
OIL PAN	C-10
FAN DRIVE	C-12
EXHAUST MANIFOLD	C-13
TURBOCHARGER	C-14
AUXILLIARY DRIVE COVER	C-16
FUEL TRANSFER PUMP	C-17
FUEL FILTER	C-18
FLYWHEEL HOUSING and FLYWHEEL	C-19
ENGINE ELECTRONICS	C-20
STARTER	C-21
ALTERNATOR and MOUNT	C-22
ENGINE LIFT STRAPS	C-24

TABLE OF CONTENTS

TITLE	PAGE
Section D - OPTION PARTS	
STANDARD DRAWBAR with ADJUSTABLE HEIGHT	D-2
HEAVY DUTY FRAME	D-4
HEAVY DUTY DRAWBAR STANDARD HEIGHT	D-6
HEAVY DUTY EXTENDED DRAWBAR STANDARD HEIGHT	D-7
HEAVY DUTY EXTENDED DRAWBAR ADJUSTABLE HEIGHT	D-8
AXLE ELECTRIC BRAKE MOUNT	D-10
AXLE ELECTRIC BRAKE	D-12
ELECTRIC BRAKE SHOE	D-14
AXLE HYDRAULIC with BRAKES	D-16
AXLE HD HYDRAULIC BRAKE MOUNT	D-18
TIRE and WHEEL	D-20
6 LUG TIRE and WHEEL	D-21
FUEL/WATER SEPARATOR MOUNT	D-22
HOSE REEL ASSEMBLY	D-23
SINGLE HOSE REEL	D-24
DOUBLE HOSE REEL	D-26
HOSE REEL OILER	D-28
VALVE, MINIMUM PRESSURE	D-29
 Section F - RECOMMENDED SERVICE PARTS	



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 branded parts for your unit.

Doosan Infracore Portable Power can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

Portable Power service facilities and Ingersoll Rand parts are available worldwide. Consult local yellow pages or visit: www.doosanportablepower.com.

Special order parts may not be included in this manual. Contact the Portable Power 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

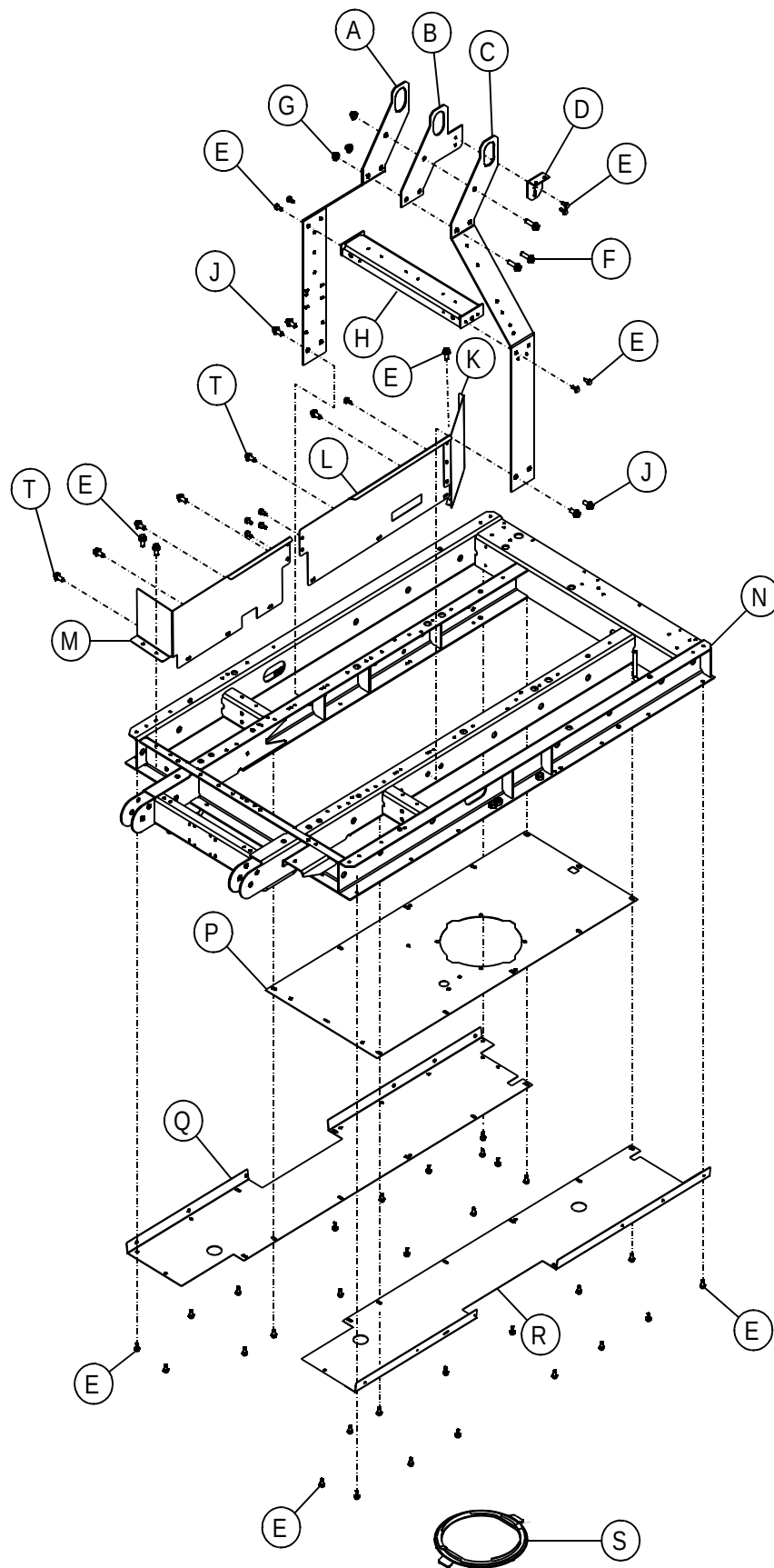
Always specify the model and serial number of the unit.

Specify the part number and description.



Section B - COMPRESSOR PARTS

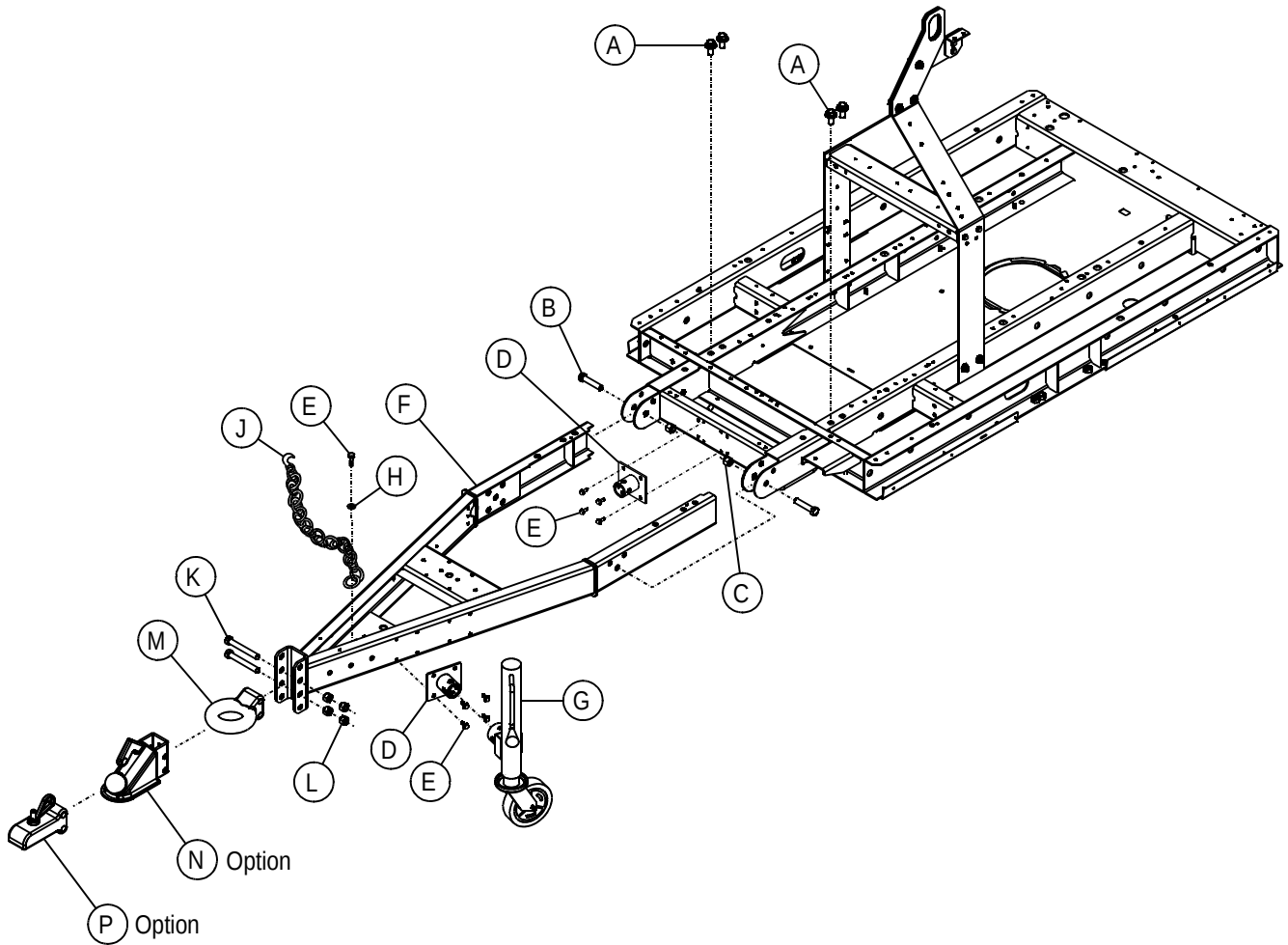
FRAME, LIFTING BAIL and BELLY PANS



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23360662SB	Bail, CRBSD Lift	1	
B	36882165SB	Plate, Bail Eye	1	
C	36880986SB	Bail, STSD Lift	1	
D	36883510SB	Angle, Roof Tie	1	
E	35279025	Screw, Tapping M08-1.25 X 20	42	
F	36877793	Screw, Hex Flange M12-1.75 X 40	3	
G	36879203	Nut, Hex Flange M12-1.75	3	
H	36880904SB	Crossmember, Lift Bail	1	
J	36789492	Screw, Hex Flange M12-1.75 X 25	4	
K	46493391SB	Guard, Rear Toolbox	1	
L	46493383SB	Guard, Mid Toolbox	1	
M	46496212SB	Guard, Front Toolbox	1	
N	46493250SB	Frame	1	
P	46543583GB	Pan, Center Belly	1	
Q	46498036GB	Pan, CRBSD Belly	1	
R	46543591GB	Pan, STSD Belly	1	
S	36880623	Cover, Engine Oil Drain	1	
T	36797652	Screw, Tapping M06-1.0 X 12	13	

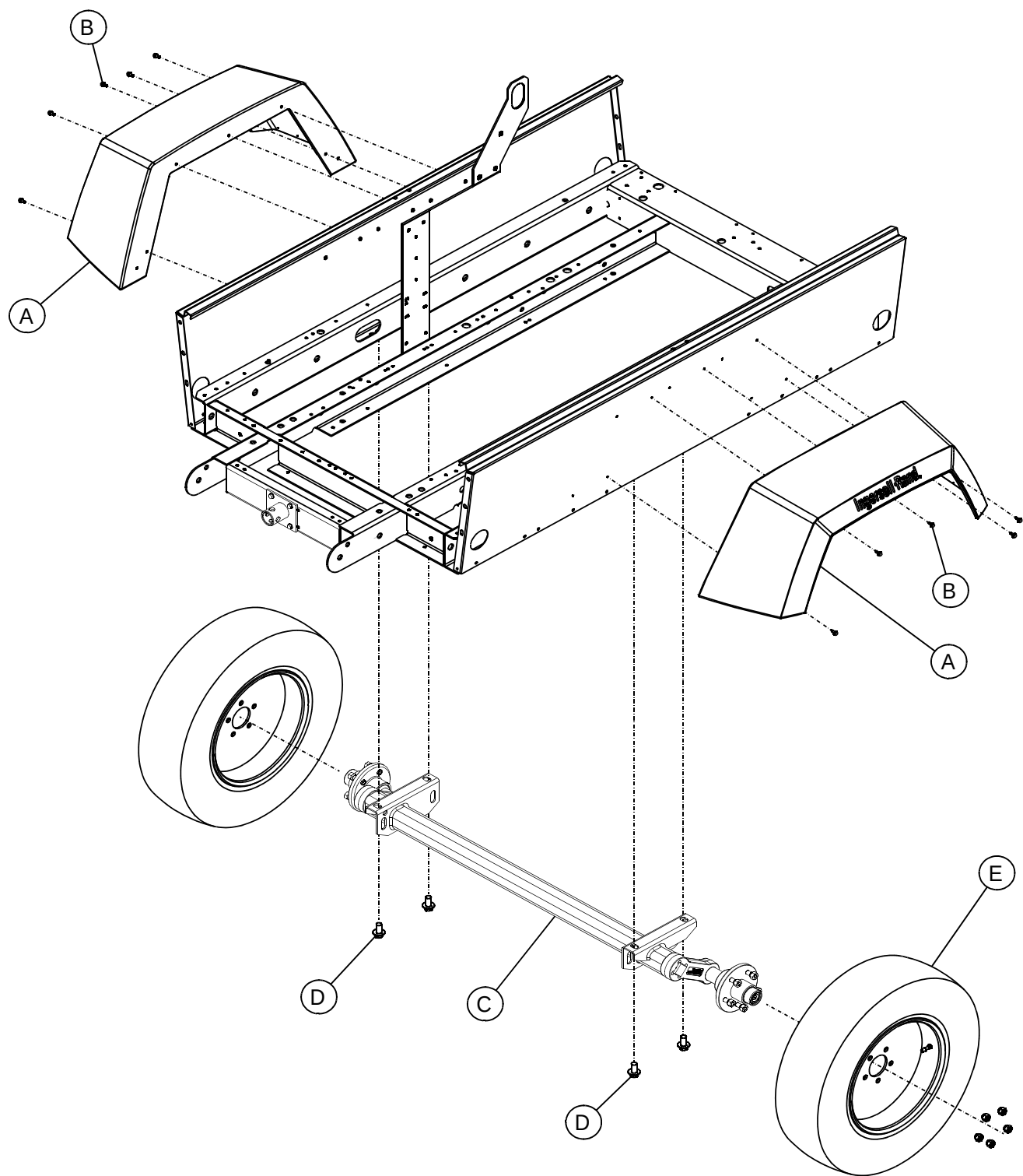
DRAWBAR



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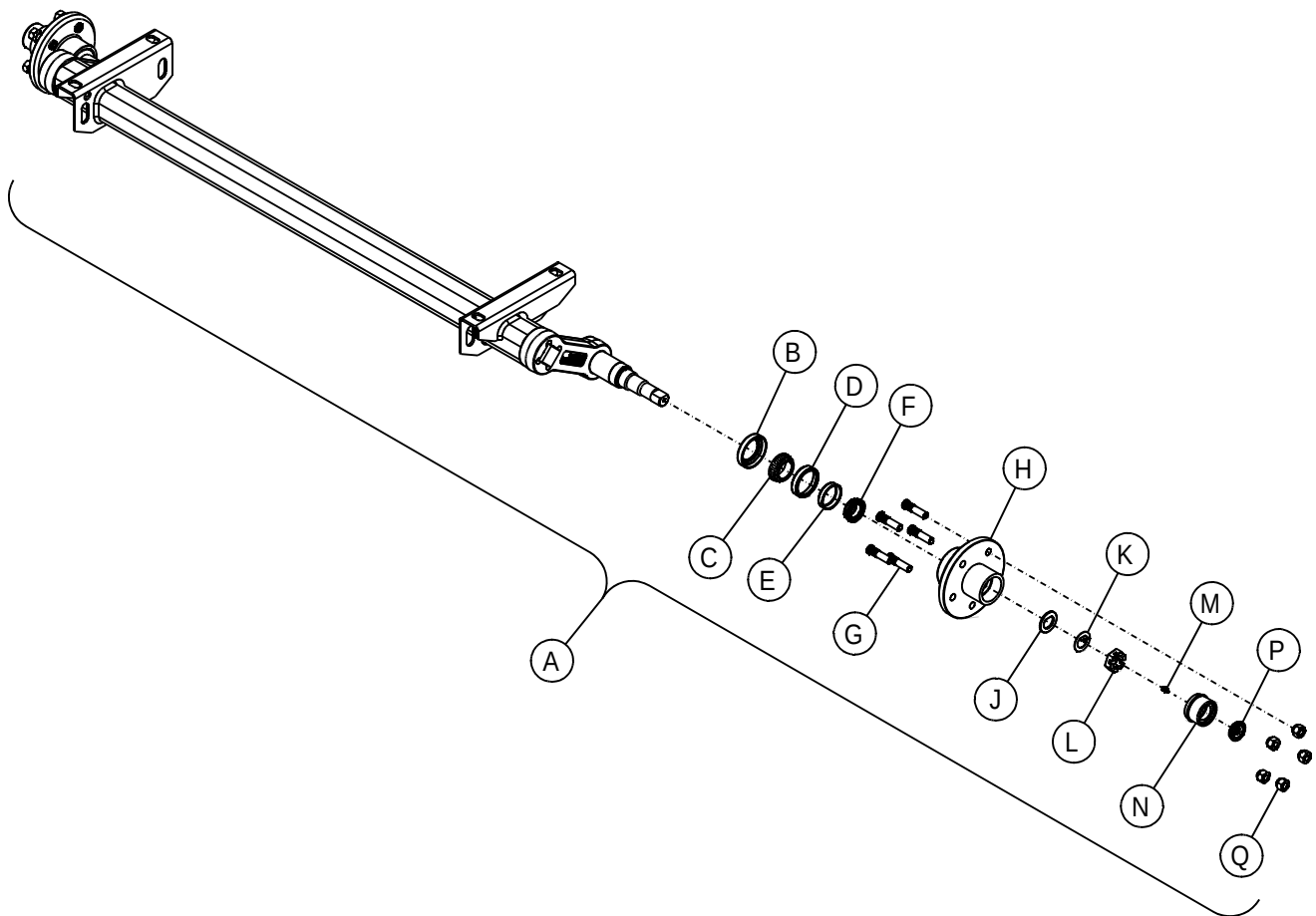
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36879492	Screw, Hex Flange M12-1.75 X 25	4	
B	35290113	Screw, Hex M16-2.0 X 75	2	
C	96704630	Nut, Hex Nyloc M16-2.0	2	
D	36796068	Tube, Jack Mounting	2	
E	35279025	Screw, Tapping M08-1.25 X 20	10	
F	36886364SB	Drawbar	1	
G	36888709	Jack Assembly	1	
H	95934907	Washer, Flat	2	
J	22144521	Chain & Hook Assembly	2	
K	35376094	Screw, Hex M16-2.0 X 120	2	
L	96701750	Nut, Hex M16-2.0	4	
M	35605187	Eye, Pintel	1	
N	35370469	Hltch, 2.31" Ball (OPTION)	1	
P	36509073	Hltch, 2.00" Ball (OPTION)	1	

RUNNING GEAR and FENDERS



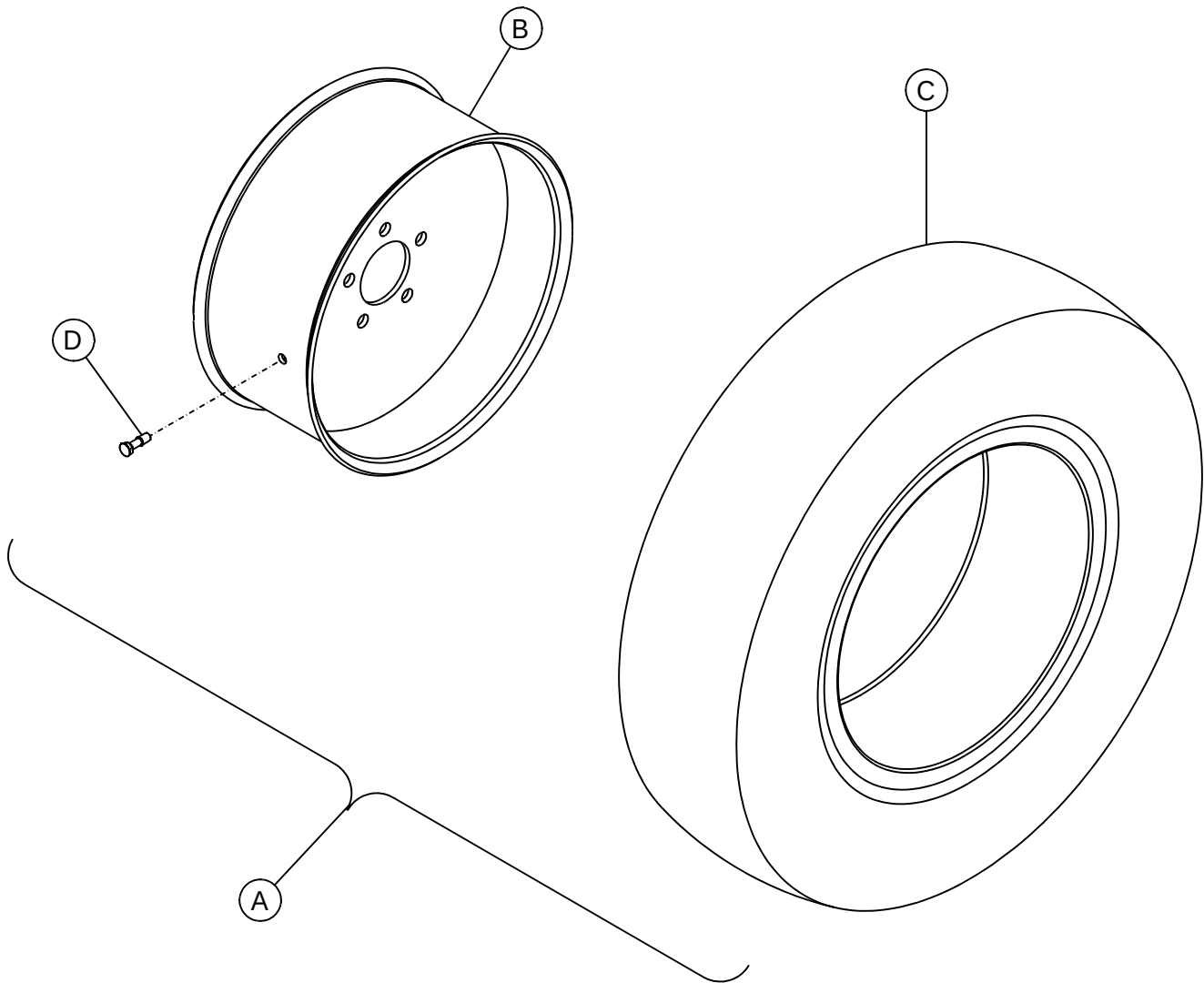
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36877579	Fender	2	
B	92368687	Screw, Tapping M06-1.0 X 14	10	
C	22469860	Axle, Standard without Brakes	1	
D	96747142	Screw, Hex Flange M16-2.0 X 30	4	
E	36073559	Tire and Wheel Assembly	2	

AXLE STANDARD without BRAKES



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22469860	Axle, Standard without Brakes	1	
B	35391101	Seal, Grease	2	
C	35361864	Cone, Inner Bearing	2	
D	35361872	Cup, Inner Bearing	2	
E	35315183	Cup, Outer Bearing	2	
F	35315191	Cone, Outer Bearing	2	
G	22464648	Stud, Wheel	10	
H	36848158	Hub & Drum with Studs and Cups	2	
J	22805436	Washer, Spindle	2	
K	22805444	Washer, Tang	2	
L	35315217	Nut, Spindle	2	
M	46543682	Fitting, Zerk	2	
N	35391127	Cap, EZ Lube Dust	2	
P	46543690	Plug, EZ Lube Dust	2	
Q	35315274	Nut, Wheel	10	

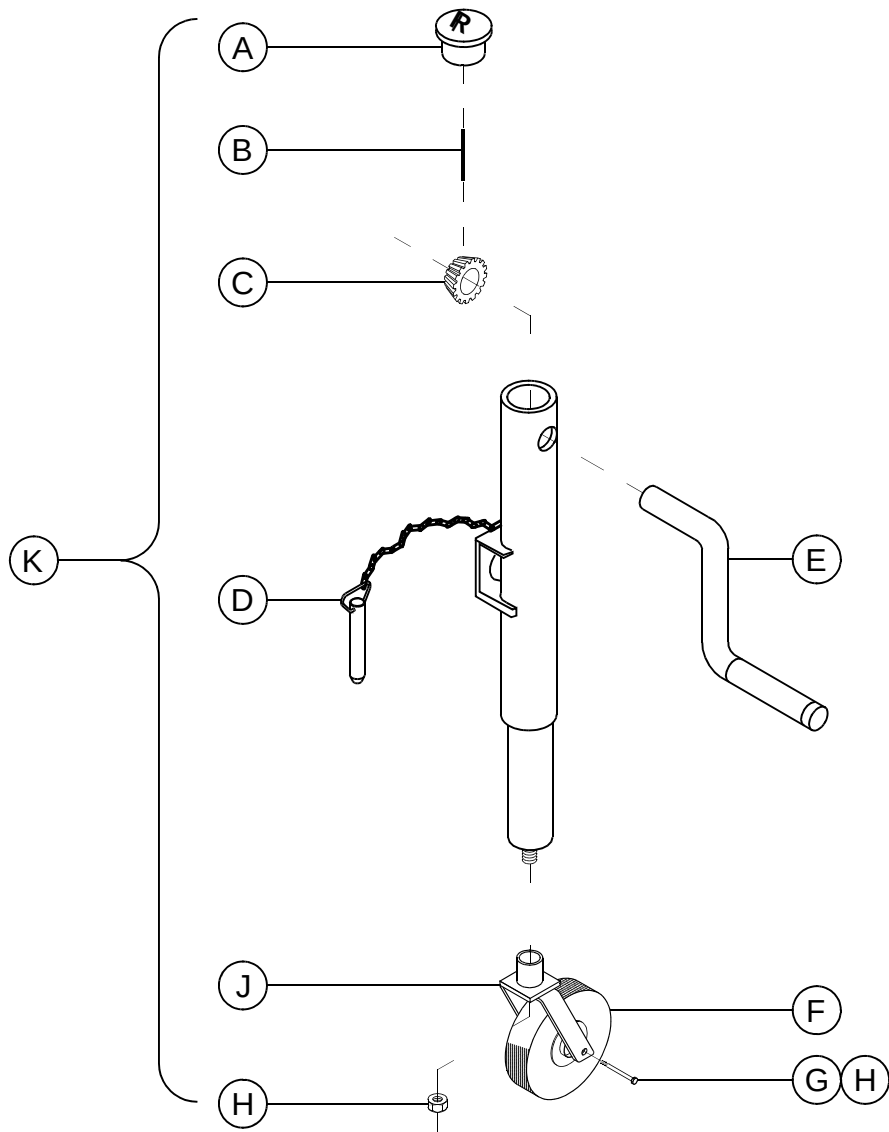
TIRE and WHEEL



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36073559	Tire and Wheel Assembly	1	
B	35277706	Wheel, 15 X 6	1	
C	22246276	Tire, ST205/75D15	1	
D	35282565	Stem, Valve	1	

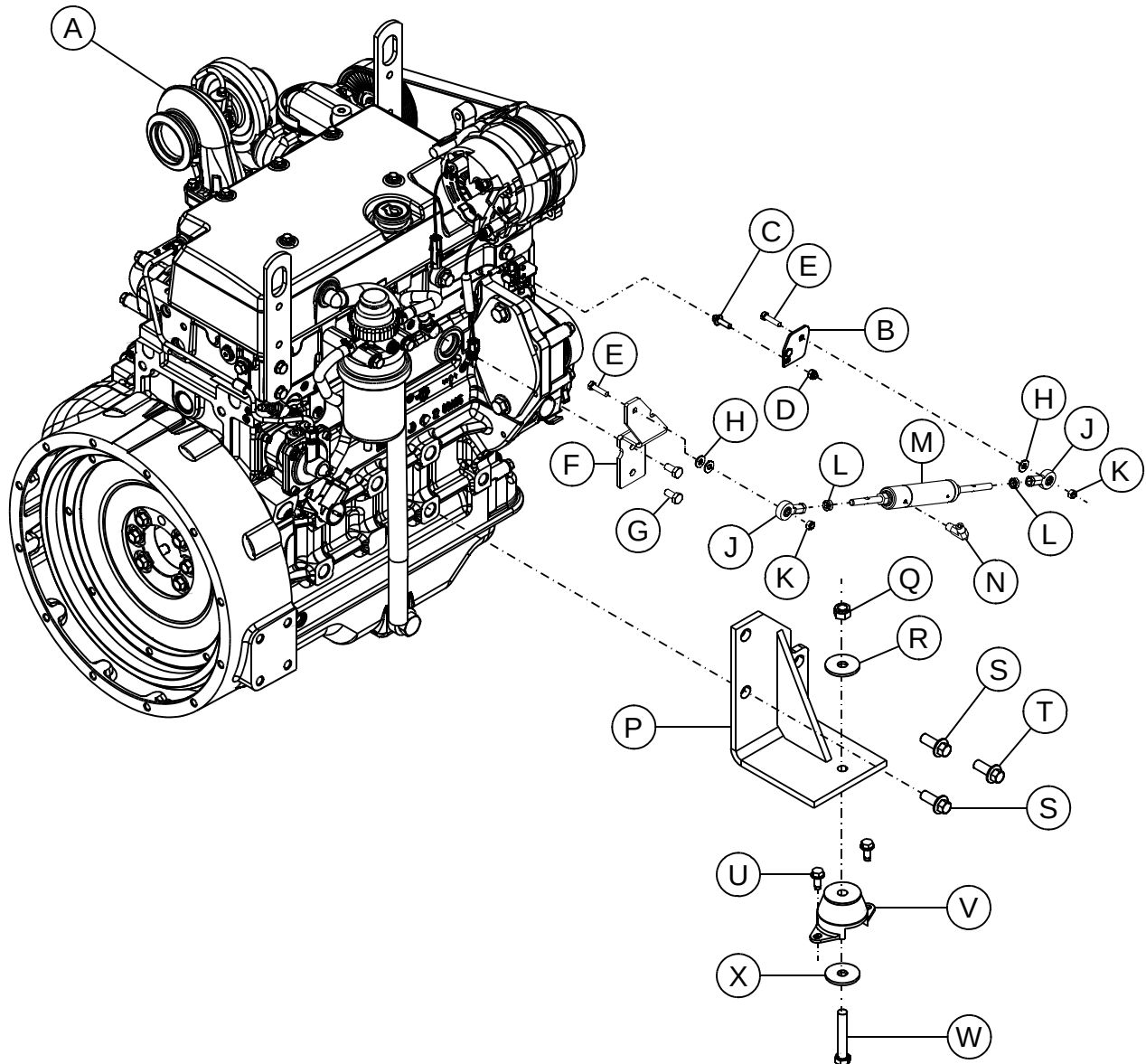
JACK ASSEMBLY



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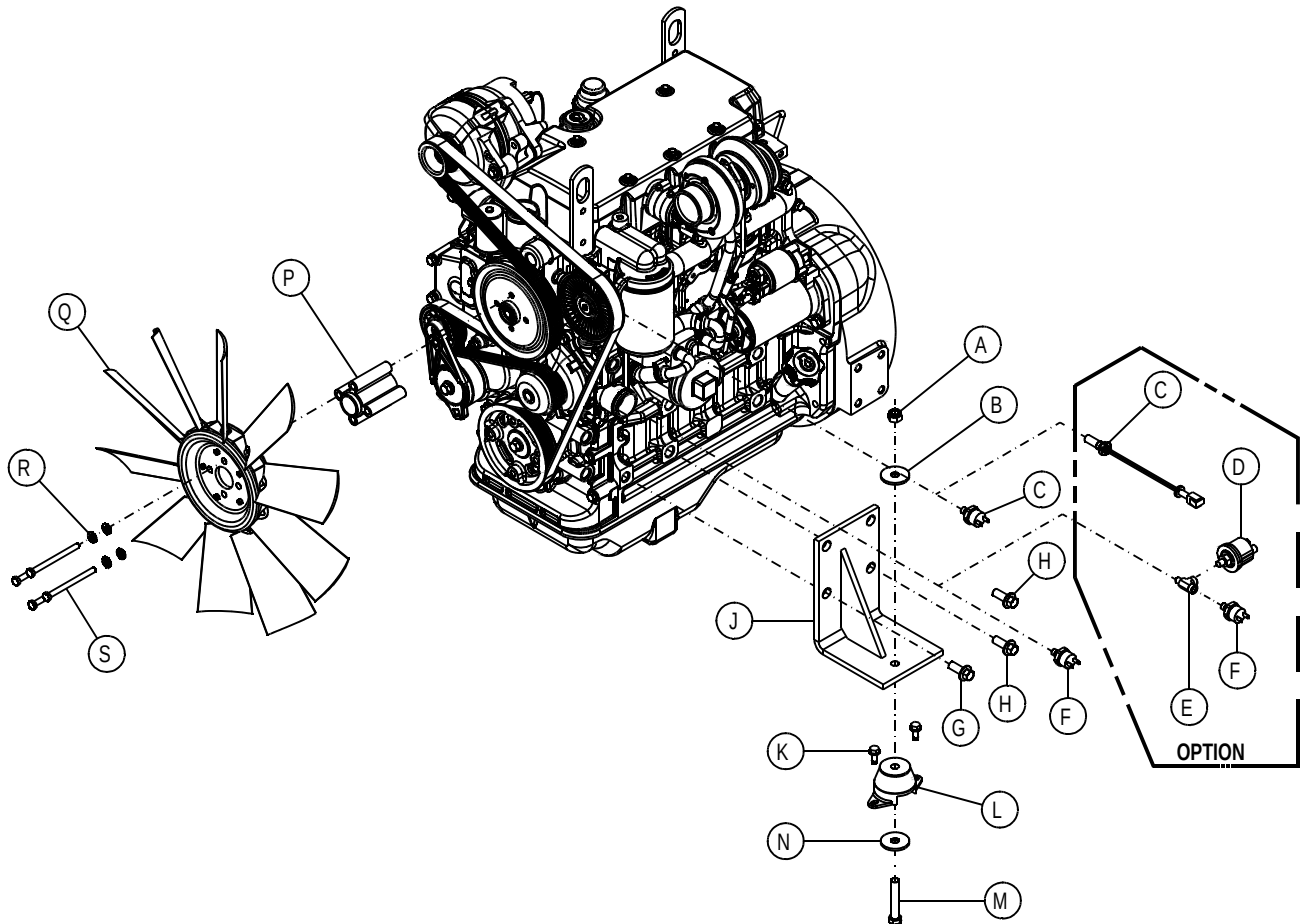
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35392521	Cap, Jack	1	
B	35392539	Pin, Roll	1	
C	35392547	Gear, Drive	1	
D	35392554	Plunger Pin Kit	1	
E	35392562	Handle Assembly	1	
F	35392588	Caster Wheel	1	
G	35392596	Bolt, Caster Wheel 1/2"-13 X 3.18"	1	
H	95923348	Nut, Hex Nyloc 1/2"-13	2	
J	35392570	Yoke, Caster Wheel	1	
K	36888709	Jack Assembly	1	

STSD ENGINE MOUNT



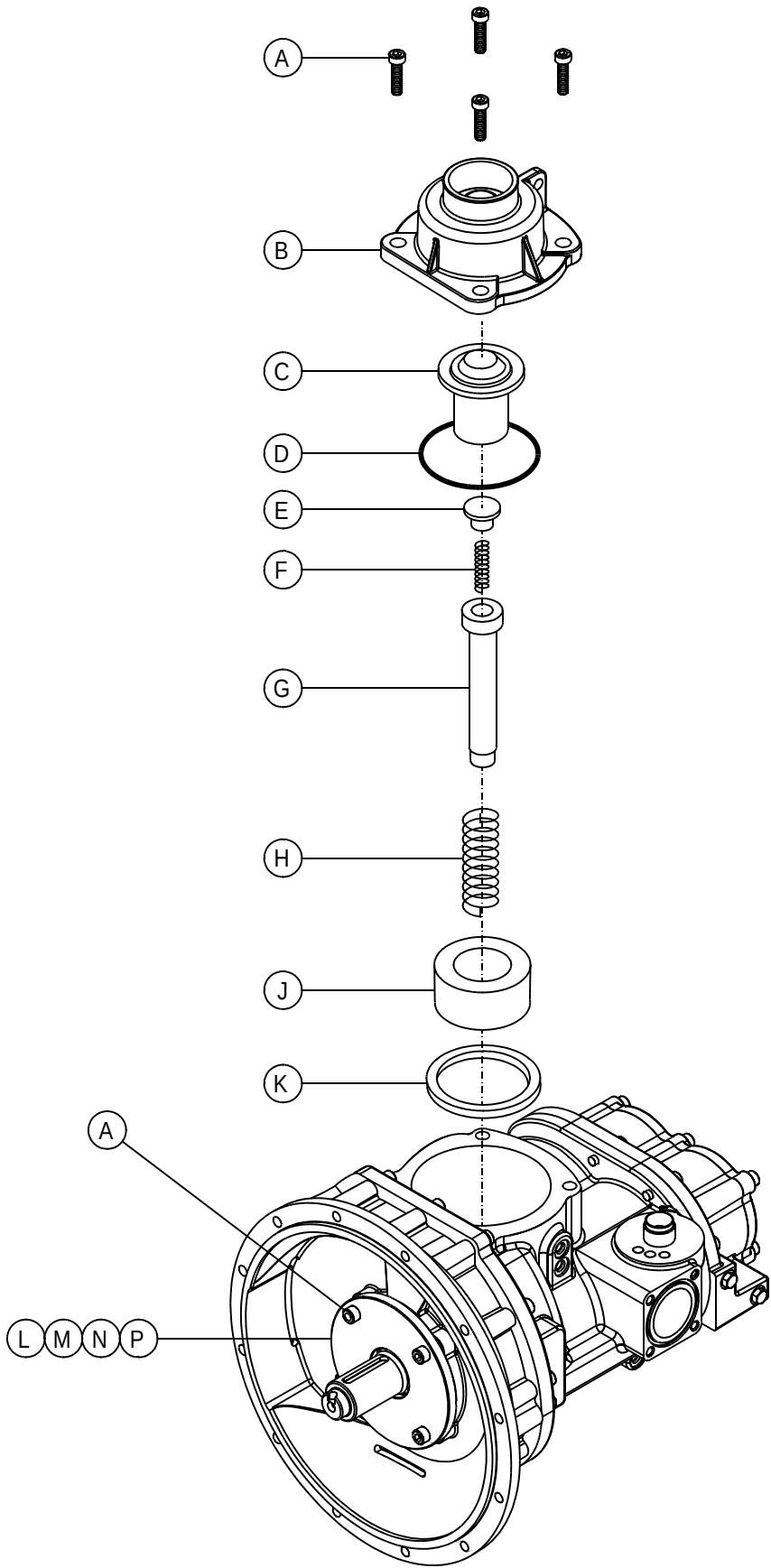
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23202542	Engine	1	
B	22756381SB	Bracket, Throttle Lever	1	
C	36898096	Screw, Hex Flange M06-1.0 X 25	1	
D	96704598	Nut, Hex Lock M06-1.0	1	
E	96701461	Screw, Hex M06-1.0 X 25	1	
F	46546347SB	Bracket, Air Cylinder Mounting	1	
G	96702816	Screw, Hex M08-1.250 X 16	2	
H	95935029	Washer, Flat 1/4"	2	
J	35328467	Bearing, Rod End 5/16"-24	2	
K	36769032	Nut, Hex Flange M06-1.0	2	
L	95923074	Nut, Hex Jam 5/16"-24	2	
M	22685820	Cylinder, Air	1	
N	35370386	Elbow, 90° X 1/8" NPT X 3/8" Tube	1	
P	46490850SB	Bracket, STSD Engine Mounting	1	
Q	35304047	Nut, Hex Nyloc M12-1.75	1	
R	95935003	Washer, Flat 1/2"	2	
S	39179072	Screw, Hex M16-2.0 X 50	2	
T	35375591	Screw, Hex M16-2.0 X 30	1	
U	35279025	Screw, Tapping M08-1.25 X 20	2	
V	54429303	Isolator	1	
W	96739958	Screw, Hex M12-1.75 X 70	1	
X	54429295	Washer, Snubbing	2	

CRBSD ENGINE MOUNT



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35304047	Nut, Hex Nyloc M12-1.75	1	
B	54429295	Washer, Snubbing	1	
C	22489942	Switch, Temperature	1	
	22651251	Sender/Switch, Combo Sensor (OPTION)	1	
D	36870608	Sender, Pressure (OPTION)	1	
E	39127287	Tee, Street 1/8" NPT (OPTION)	1	
F	36878379	Switch, 12 PSI Pressure	1	
G	35375591	Screw, Hex M16-2.0 X 30	1	
H	39179072	Screw, Hex M16-2.0 X 50	2	
J	46490843SB	Bracket, CRBSD Engine Mounting	1	
K	35279025	Screw, Tapping M08-1.25 X 20	2	
L	54429303	Isolator	1	
M	96739958	Screw, Hex M12-1.75 X 70	1	
N	95935003	Washer, Flat 1/2"	2	
P	36877959	Spacer, Fan	1	
Q	46542239	Fan	1	
R	95934998	Washer, Flat 5/16"	4	
S	96726435	Screw, Hex M08-1.25 X 100	4	

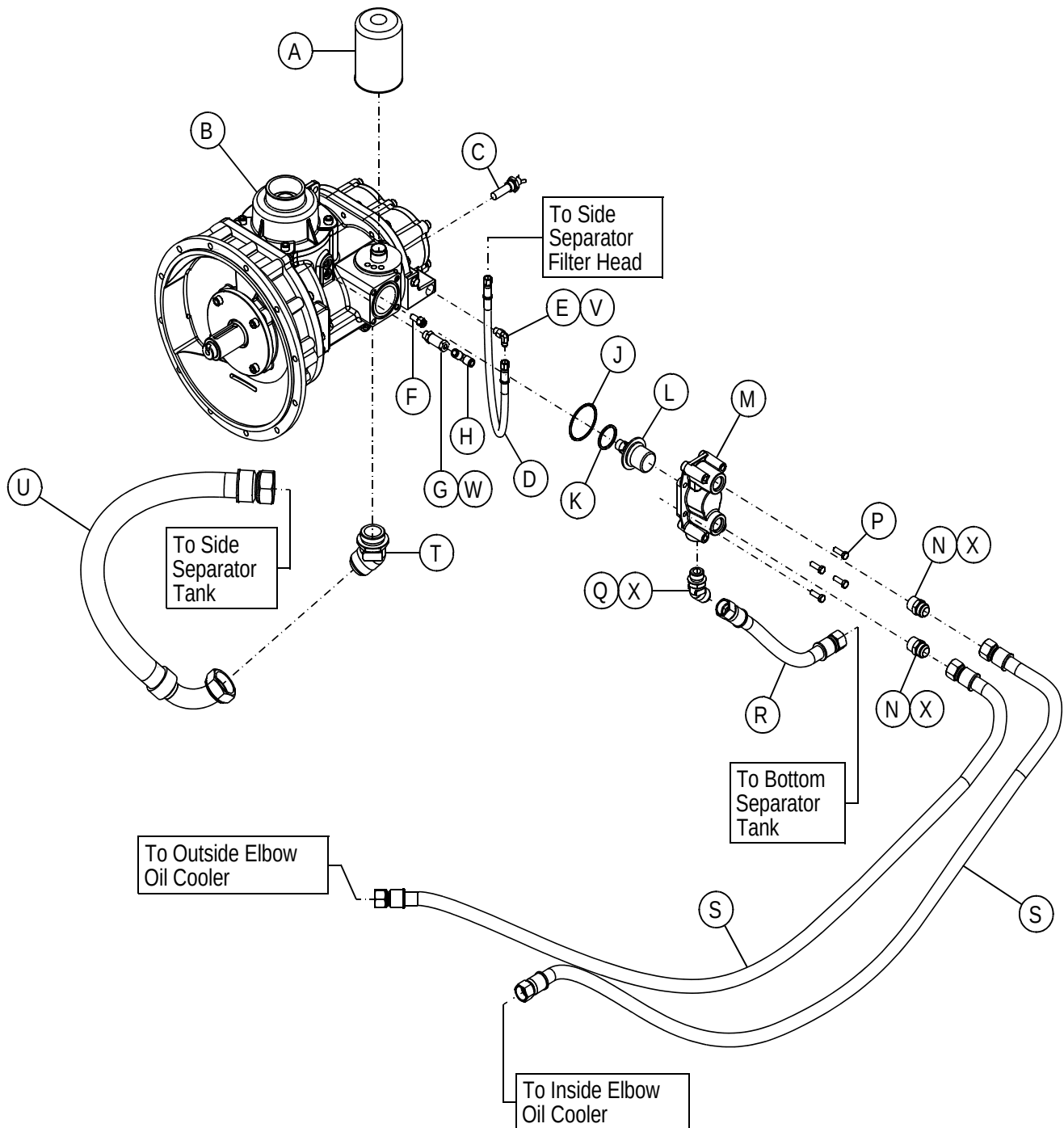
AIREND and UNLOADER



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702170	Screw, Socket Head Cap M10-1.50 X 35	4	
B	23296551	Cover, Inlet	1	
C	36511623	Valve, Unloader	1	
D	95058053	O-Ring, 5.0" X 0.14"	1	
E	35379817	Cap, Spring	1	
F	35376342	Spring, Unloader	1	
G	35611557	Stem, Piston	1	
H	35376334	Spring, Unloader Piston	1	
J	35611615	Piston, Unloader	1	
K	35376359	Seal, U-Cup 2.75" X 2.38"	1	
L	23231921	Cover, Front Seal	1	
M	39322284	Seal, Lip 67.25 X 48.12	1	
N	95060018	O-Ring, 4.38" X 0.14"	1	
P	54440060	Bearing, Ball	1	

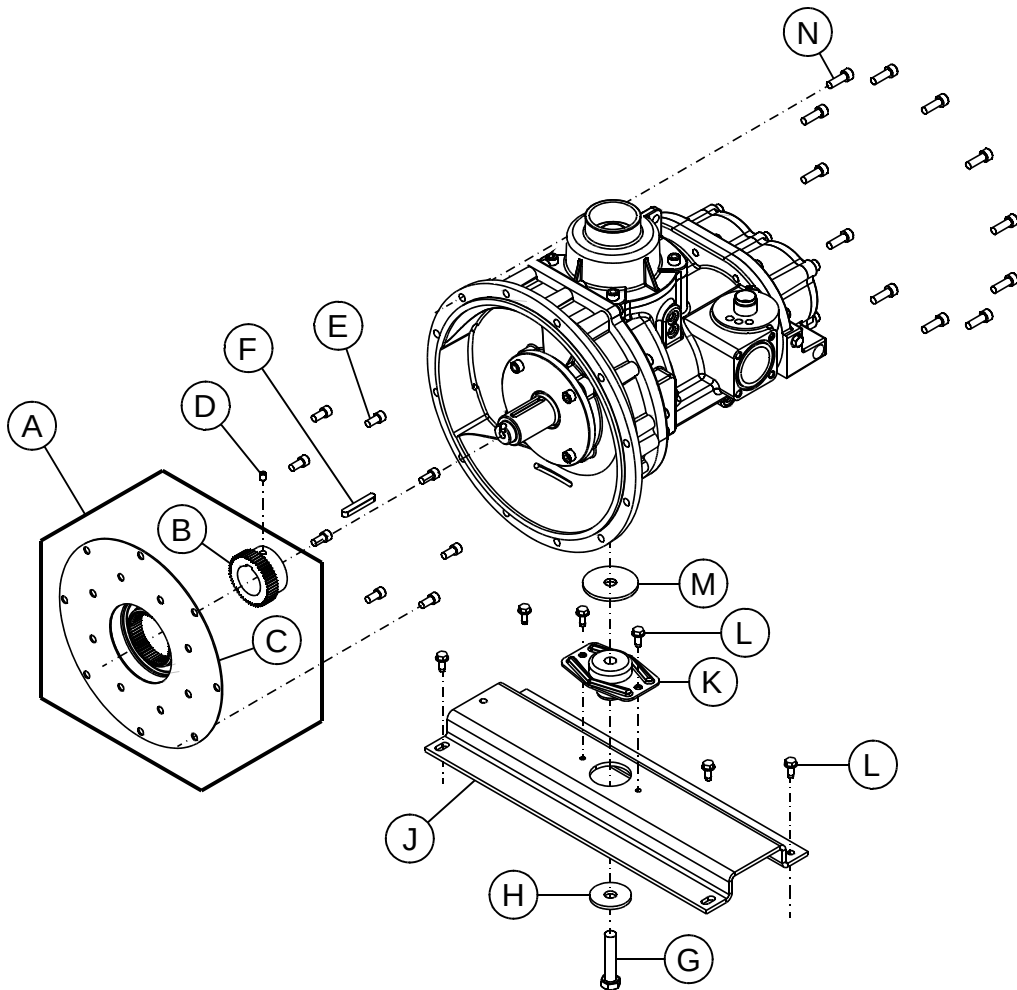
AIREND PIPING



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23279078	Element, Compressor Oil Filter	1	
B	46499307	Airend	1	
C	22823199	Switch, Temperature 248° F	1	
D	35282904	Hose Assembly, -4 JIC X 1125 mm	1	
E	35279876	Elbow, 90° O-Ring 7/16"-20 X -4 JIC	1	
F	95287629	Connector, 1/4" Tube X 1/8" NPT	1	
G	36886992	Valve, 0.078" Check w/ O-Ring	1	
H	35374859	Tee, 1/8" NPT Male Run X 3/8"Tube	1	
J	95022307	O-Ring, 2.62" X 0.14"	1	
K	36788172	Seal, U-Cup 1.88" X 1.63"	1	
L	22195820	Element, Thermostat 150° - 170° F	1	
M	23334717	Housing, OTBV	1	
N	35294750	Elbow, 90° O-Ring 1.06"-12 X 3/4" Tube	2	
P	46542163	Screw, Socket Head Cap M10-1.5 X 30	4	
Q	35294727	Elbow, 45° O-Ring 1.06"-12 X -12 JIC	1	
R	35294677	Hose Assembly, -12 JIC X 13"	1	
S	35376110	Hose Assembly, -12 JIC X 54"	2	
T	35296425	Elbow, 45° O-Ring 1.88"-12 X -24 JIC	1	
U	46497616	Hose, Airend Discharge -24 JIC	1	
V	35279959	O-Ring, .35 X .08	AR	
W	35278571	O-Ring, .47 X .08	AR	
X	35294768	O-Ring, .92 X .12	AR	

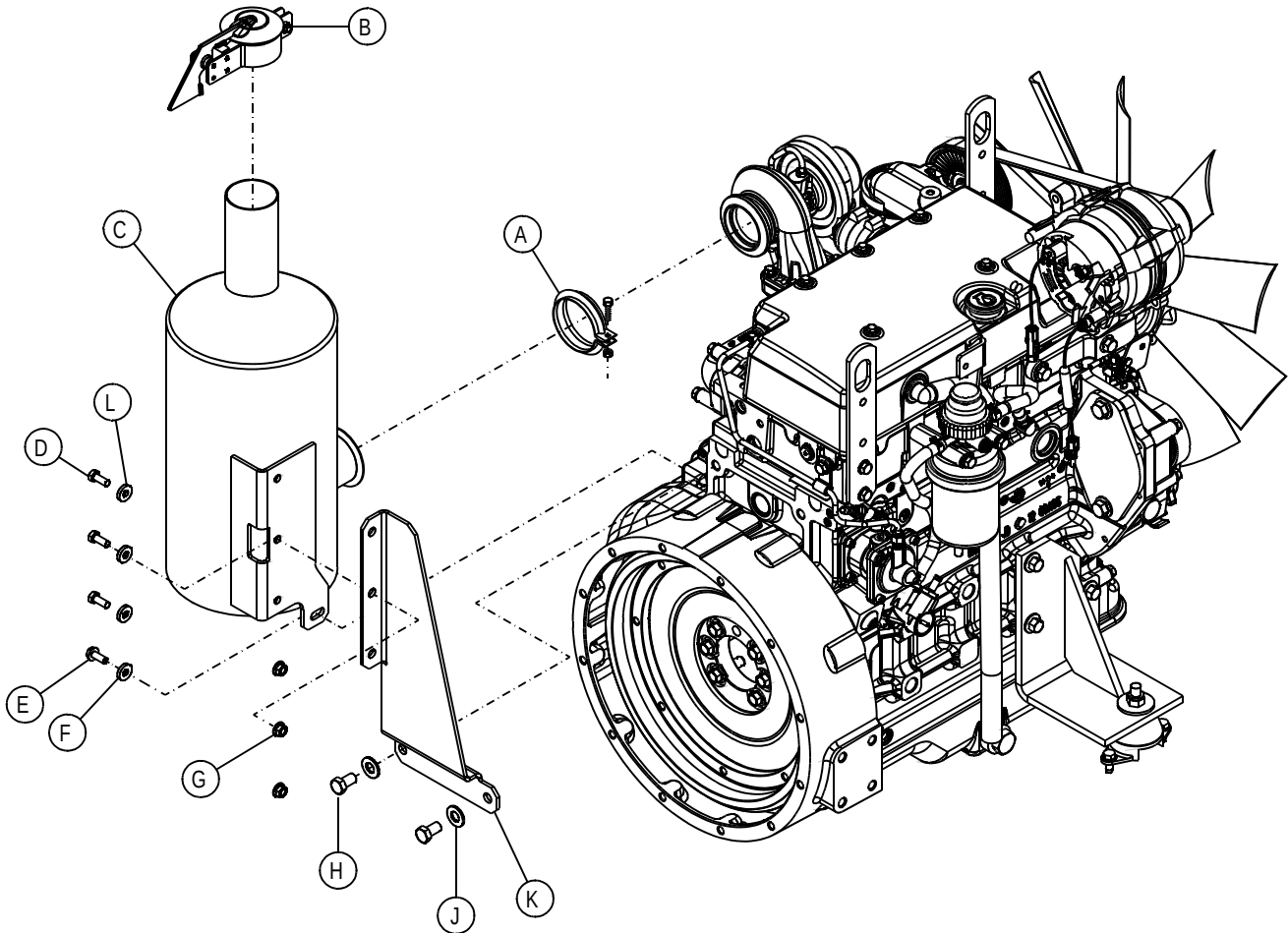
AIREND MOUNT



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46492948	Coupling Assembly.	1	
B	46492989	Hub, Coupling	1	
C	46492963	Element, Drive Coupling	1	
D	22404289	Screw, Set M08-1.25 X 12	1	
E	95220604	Screw, Socket Head Cap 3/8"-16 X .3/4"	8	
F	36769289	Key, M8 X 10 X 60	1	
G	35290113	Screw, Hex M16-2.0 X 75	1	
H	35327212	Washer, Snubber 2.25" X 5/8"	1	
J	23334253	Crossmember, Airend Support	1	
K	54471057	Isolator, Rubber	1	
L	35279025	Screw, Tapping M08-1.25 X 20	6	
M	35609874	Washer, Snubber 3.0" X 5/8"	1	
N	46542163	Screw, Socket Head Cap M10-1.5 X 30	12	

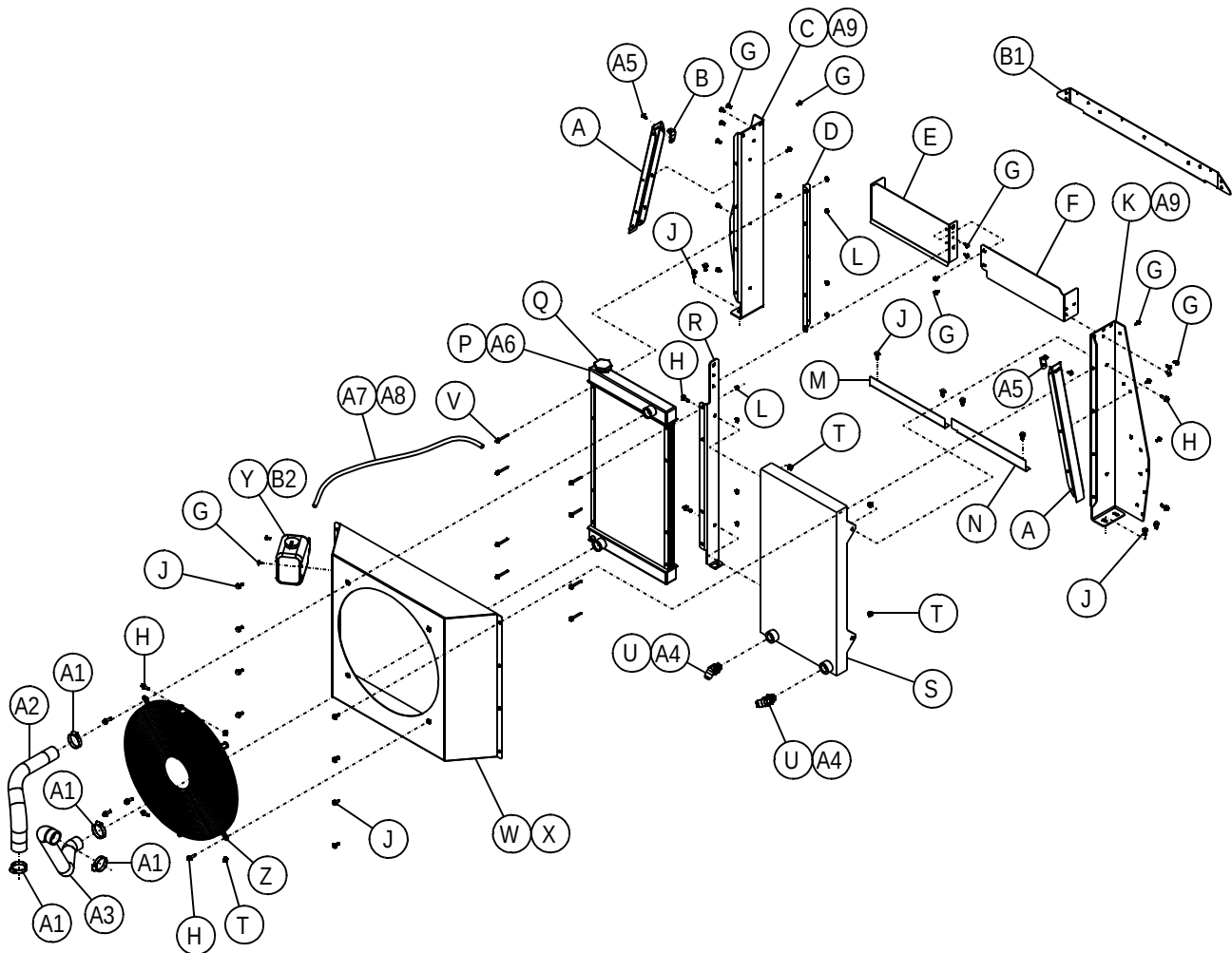
EXHAUST



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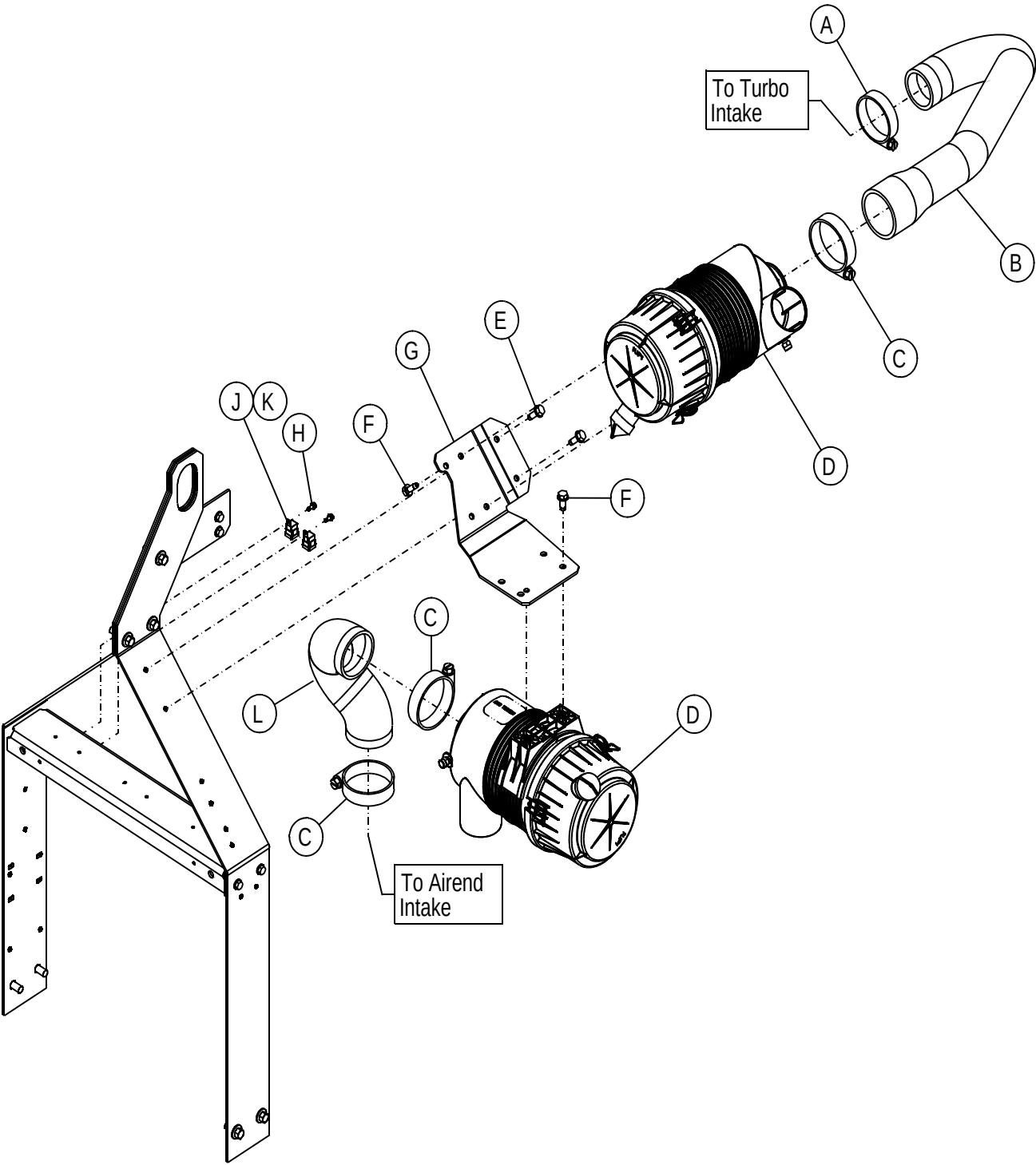
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22649115	Clamp, Muffler	1	
B	23345960	Rain, Cap 2.50"	1	
C	46490736	Muffler	1	
D	96702824	Screw, Hex M08-1.25 X 20	3	
E	92398130	Screw, Hex Flange M08-1.25 X 20	1	
F	96709118	Washer, Flat M08	1	
G	36881886	Nut, Hex Flange M08-1.25	3	
H	96719869	Screw, Hex M12-1.75 X 20	2	
J	95935003	Washer, Flat 1/2"	2	
K	46490744SB	Bracket, Muffler	1	
L	96701396	Washer, Flat M08	3	

COOLERS



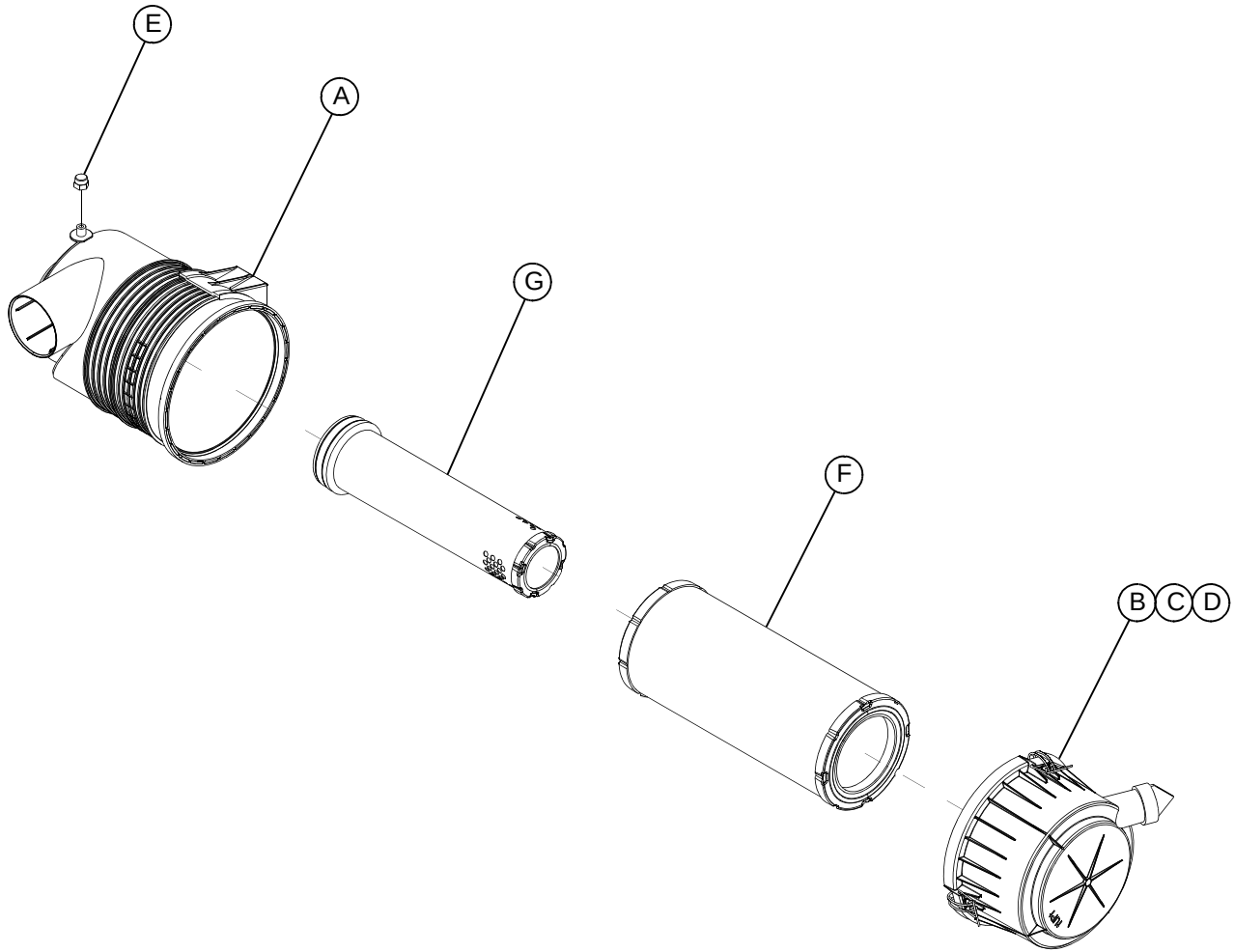
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46492765GA	Stop, Door	2	
B	46492757SB	Bracket, Roof Attachment	2	
C	23021579SB	Support, RH Cooler	1	
D	46496899SB	Angle, Radiator Support	1	
E	46492732SB	Baffle, Top LH	1	
F	46492724SB	Baffle, Top RH	1	
G	92368687	Screw, Tapping M06-1.0 X 14	13	
H	36889608	Screw, Hex Flange M08-1.25 x 25	10	
J	35279025	Screw, Tapping M08-1.25 X 20	14	
K	23021561SB	Support, LH Cooler	1	
L	36898104	Nut, Hex Flange M06-1.0	8	
M	22487615SB	Baffle, Radiator Bottom	1	
N	22487607SB	Baffle, Cooler Bottom	1	
P	22482277	Radiator	1	
Q	36769560	Cap, Radiator	1	
R	46492773SB	Support, Cooler Middle	1	
S	36882934	Cooler, Oil	1	
T	36881886	Nut, Hex Flange M08-1.25	6	
U	35294727	Elbow, 45° O-Ring 1.06"-12 X -12 JIC	2	
V	96727623	Screw, Hex Flange M06-1.0 x 50	8	
W	46492708SB	Shroud,Fan	1	
X	36895746	Nutsert, Hex M08	8	
Y	36884948	Bottle, Coolant Recovery	1	
Z	36884096	Guard, Fan	1	
A1	35221662	Clamp, Hose	4	
A2	46496311	Hose, Top Radiator	1	
A3	46496329	Hose, Bottom Radiator	1	
A4	35294768	O-Ring, .92 X .12	AR	
A5	36797652	Screw, Tapping M06-1.0 X 12	8	
A6	36782167	Valve, Drain 1/4" NPT X .3/8"	1	
A7	35363498	Hose, Fuel .5/16" ID	30"	
A8	35296342	Clamp, Worm Gear	2	
A9	54721238	Screw, 11/32" HI-LO	8	
B1	54602719GA	Cross Member Endcap	1	
B2	36138295	Cap, Coolant Recovery Bottle	AR	

AIR INTAKE and RELAY MOUNTING



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23247604	Clamp, T 3.12"	1	
B	22311146	Hose, Engine Intake	1	
C	35374073	Clamp, T 3.62"	3	
D	36897999	Cleaner Assembly, Air	2	
E	35279025	Screw, Tapping M08-1.25 X 20	2	
F	96702816	Screw, Hex M08-1.250 X 16	4	
G	46499562SB	Bracket, Air Cleaner	1	
H	92368687	Screw, Tapping M06-1.0 X 14	2	
J	22511505	Relay, 70 A	2	
K	23091796	Box, Relay	2	
L	46499596	Hose, Flexible 3" ID Air Intake	1	

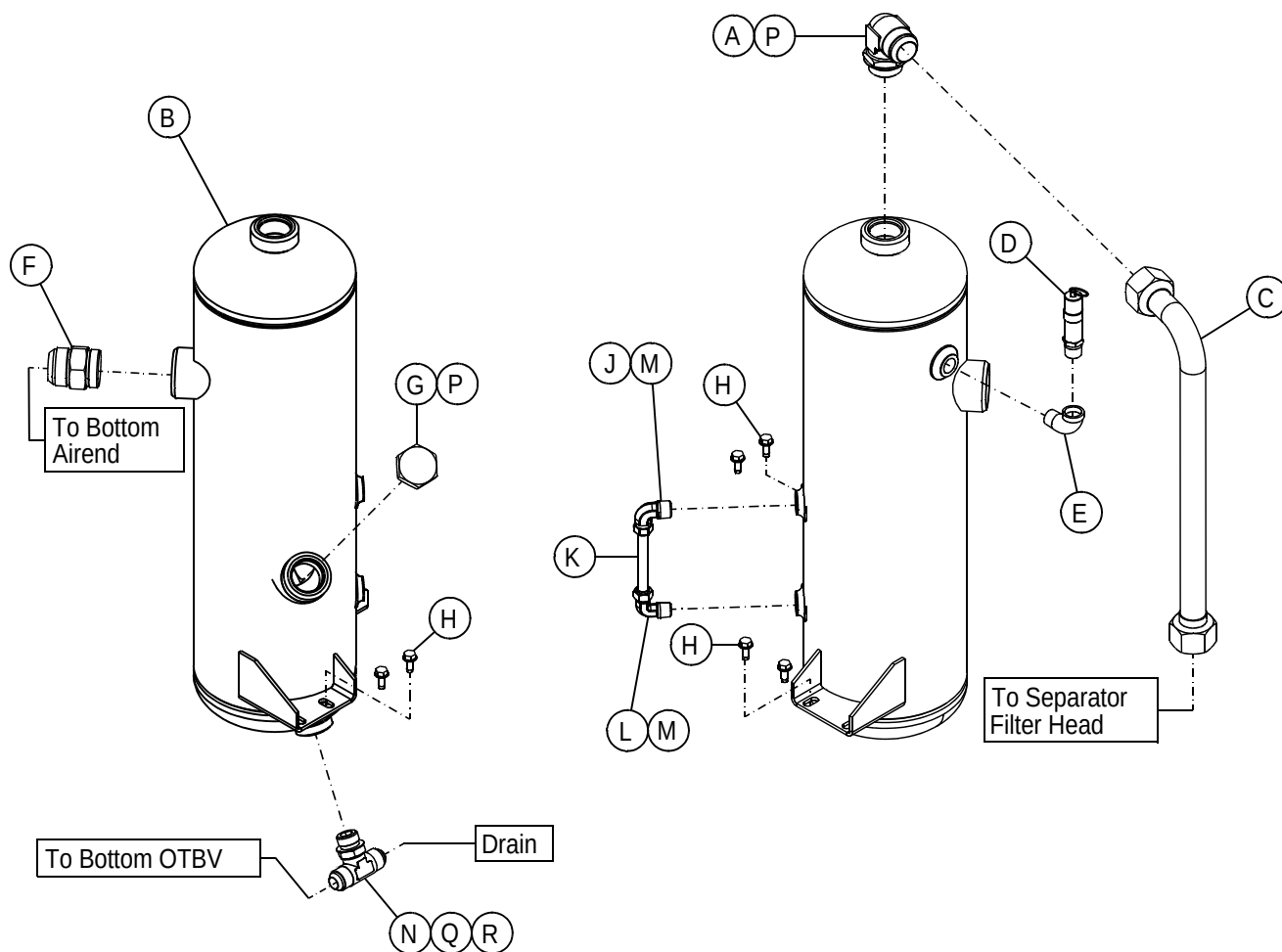
AIR CLEANER



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35393701	Body, Air Cleaner	1	
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 (Optional)	1	

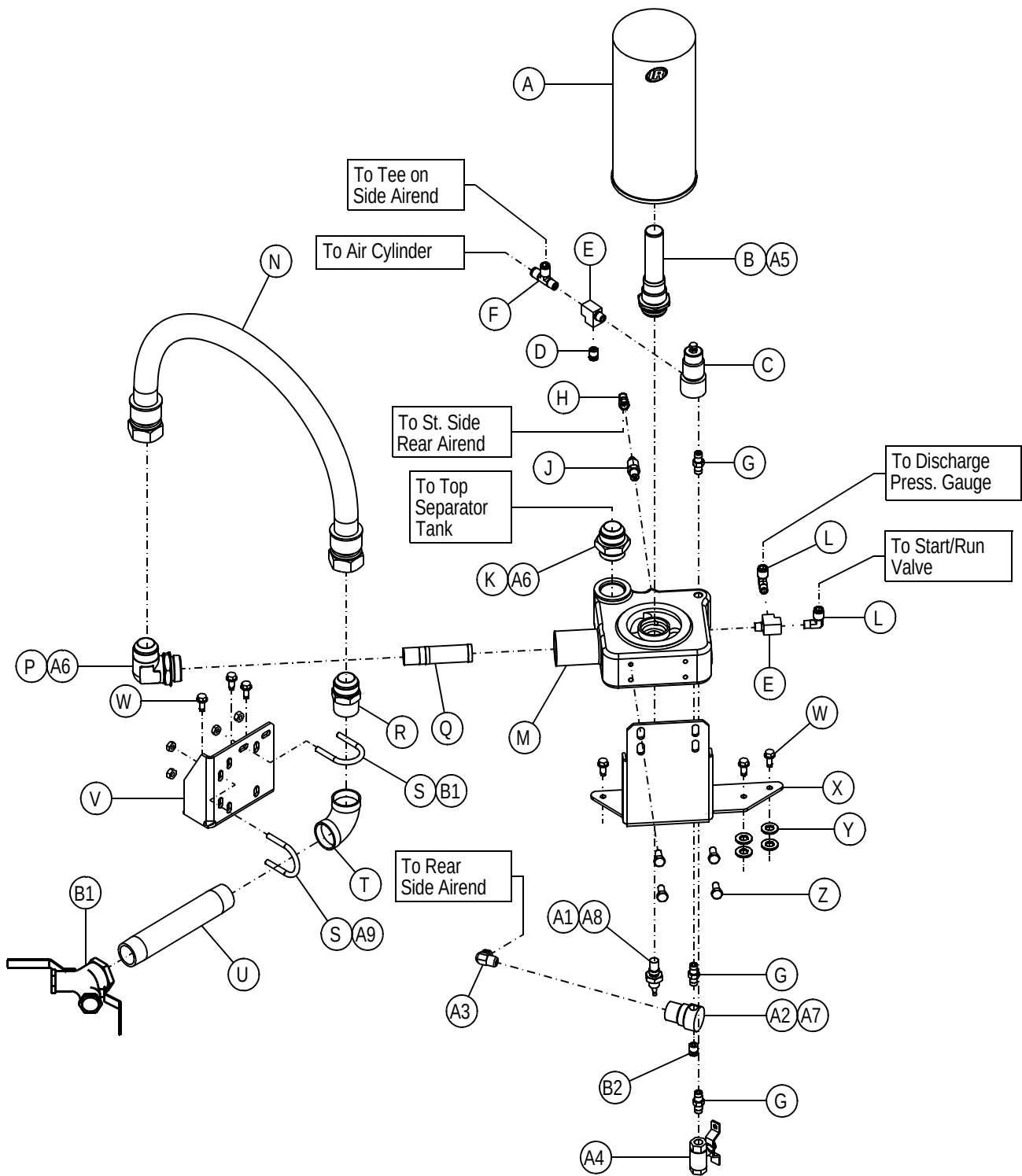
SEPARATOR TANK



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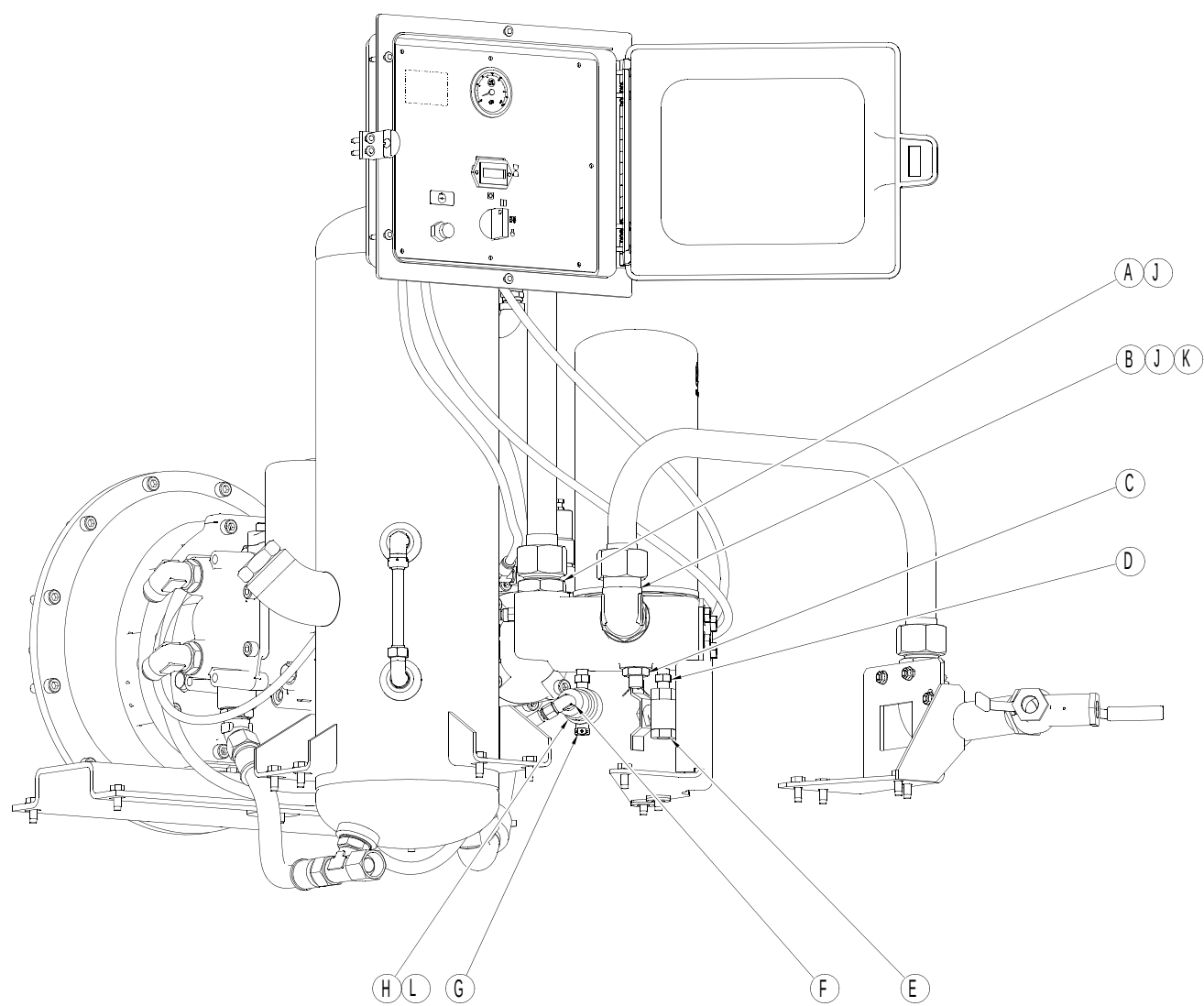
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279777	Elbow, 90° 1-5/8"-12 X -20 JIC	1	
B	23362031	Tank, Separator	1	
C	46492047	Tube, Air - Separator Tank to Element	1	
D	36920254	Valve, Safety 200 PSI	1	
E	95928164	Elbow, Street 1/2" NPT	1	
F	35296409	Connector, -24JIC X 1.88"-12	1	
G	35579630	Plug, 1-5/8" O-Ring	1	
H	35279025	Screw, Tapping M08-1.25 X 20	4	
J	22685481	Elbow, Top Sight Tube	1	
K	22685515	Tube, Sight Gage	1	
L	22685499	Elbow, Bottom Sight Tube	1	
M	22685507	Insert, 1/4" Tube	2	
N	36779999	Tee, O-Ring 1.06"-12 SAE X -12 JIC X -12 JIC	1	
P	35279942	O-Ring, 3-20	AR	
Q	35369214	Cap, Hex -12JIC	1	
R	35294768	O-Ring, .92 X .12	AR	

SEPARATOR FILTER



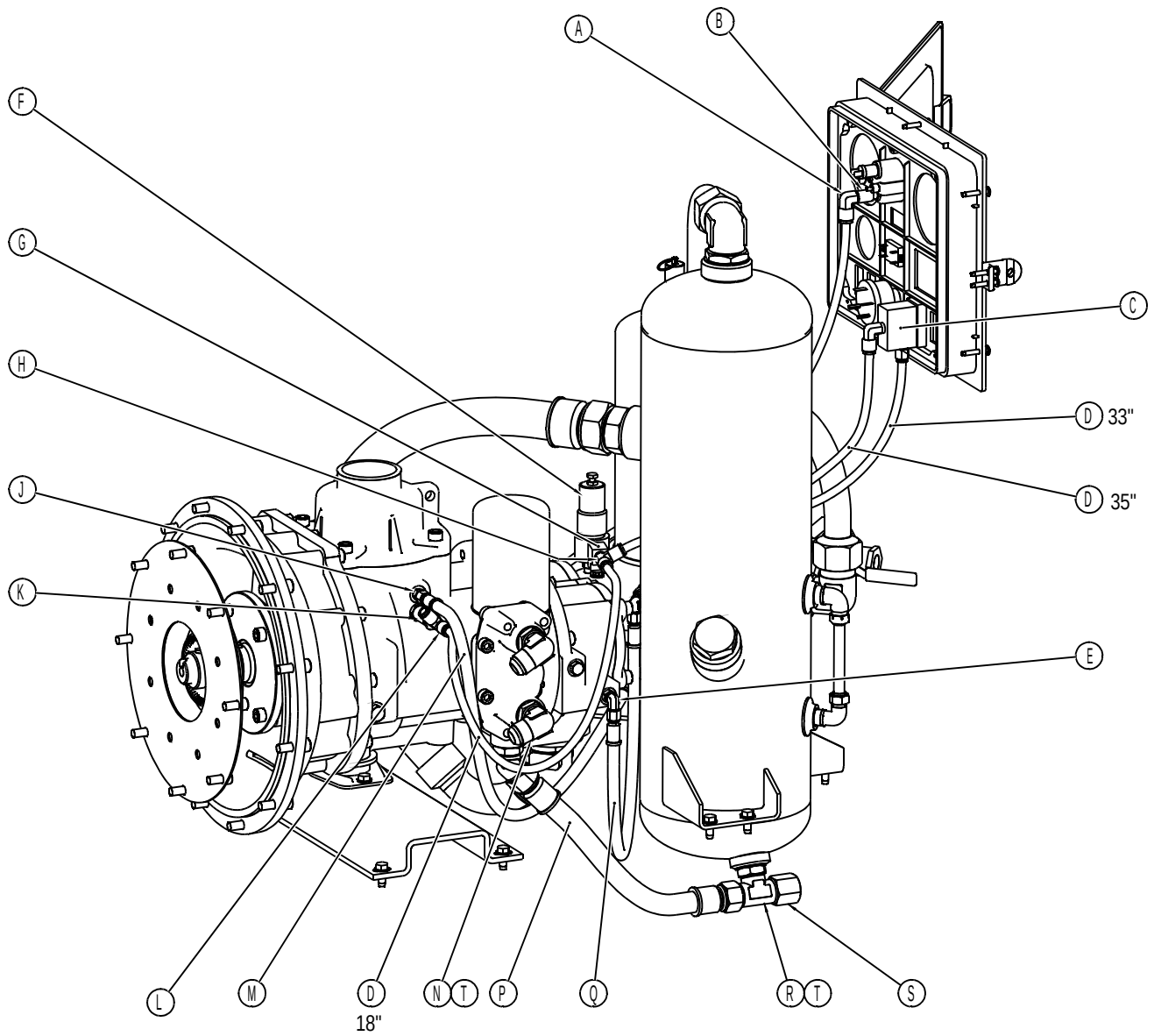
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22436331	Element, Separator	1	
B	22610760	Nipple, Filter Air-Oil	1	
C	36896892	Valve, Pressure Regulator 200 PSI	1	
D	35248319	Orifice, Muffler 0.094"	1	
E	35114545	Tee, Street 1/4" NPT	2	
F	35369503	Tee, Run 1/4" NPT X 3/8" Tube	1	
G	36793776	Nipple, 0.25" NPT	3	
H	95446340	Elbow, 45° Swivel Nut -4 JIC	1	
J	36840437	Valve, .062" Orifice Check	1	
K	35279785	Connector, 1-5/8"-12 X -20 JIC	1	
L	35369354	Elbow, 1/4" NPT X 3/8" Tube	2	
M	22406755	Filter Head	1	
N	46541405	Tube, Discharge Service Air	1	
P	35279777	Elbow, 90° 1-5/8"-12 X -20 JIC	1	
Q	36921377	Nozzle, 0.395" Orifice Sonic	1	
R	95219770	Adapter, 1.25" NPT X 1.62"-12	1	
S	35189885	U-Bolt, 1/4"-20	2	
T	95953378	Elbow, 90° X 1.25" NPT	1	
U	95944542	Nipple, Long 1.25" NPT X 7"	1	
V	46496451SB	Bracket, Service Pipe	1	
W	35279025	Screw, Tapping M08-1.25 X 20	4	
X	23365349SB	Bracket, Separator Element	1	
Y	95935003	Washer, Flat 1/2"	4	
Z	96702279	Screw, Hex M10-1.5 X 20	4	
A1	35596436	Switch, Temperature 248° F	1	
A2	35322379	Valve, Blowdown	1	
A3	35283464	Elbow, 90° Male 1/4" NPT X 1/4" Tube	1	
A4	35324839	Valve, Ball 1/4" NPT	1	
A5	22610950	O-Ring, 2 - 32	AR	
A6	35279942	O-Ring, 3-20	AR	
A7	35379064	Repair Kit, Diaphragm	AR	
A8	39404165	O-Ring, .644 X .087	1	
A9	35144492	Nut, Hex Lock 1/4"-20	4	
B1	36881076	Valve, Wye	1	
B2	36766772	Orifice, Muffler 0.062"	1	

AIR and OIL PIPING CRBSD FRONT



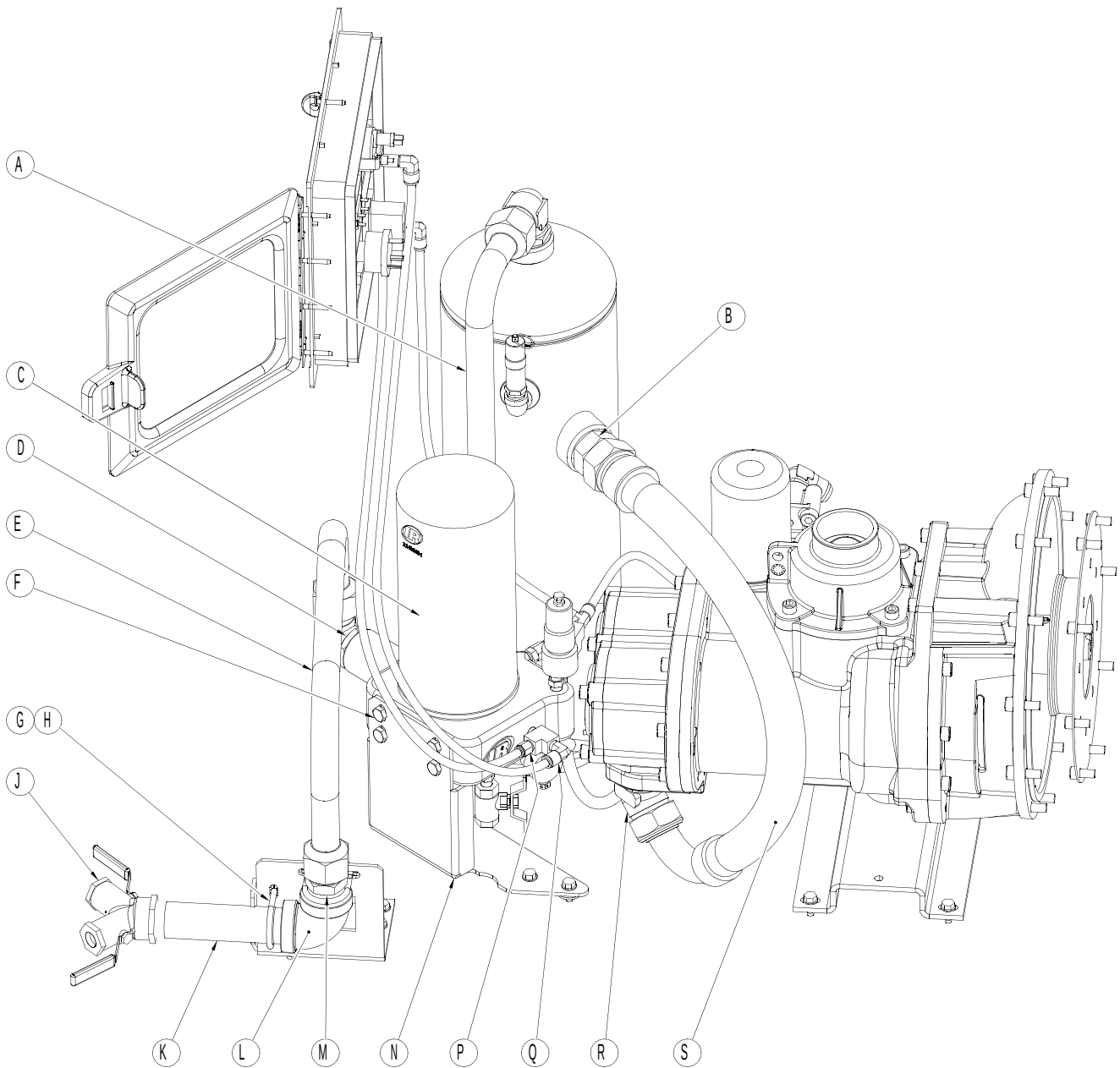
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279785	Connector, 1-5/8"-12 X -20 JIC	1	
B	36921377	Nozzle, 0.395" Orifice Sonic	1	
C	35596436	Switch, Temperature 248° F	1	
D	36793776	Nipple, 0.25" NPT	1	
E	35324839	Valve, Ball 1/4" NPT	1	
F	35283464	Elbow, 90° Male 1/4" NPT X 1/4" Tube	1	
G	43213388	Orifice, Muffler 0.093"	1	
H	35322379	Valve, Blowdown	1	
J	35279942	O-Ring, 3-20	AR	
K	35279777	Elbow, 90° 1-5/8"-12 X -20 JIC	1	
L	35379064	Repair Kit, Diaphragm	AR	

AIR and OIL PIPING CRBSD REAR



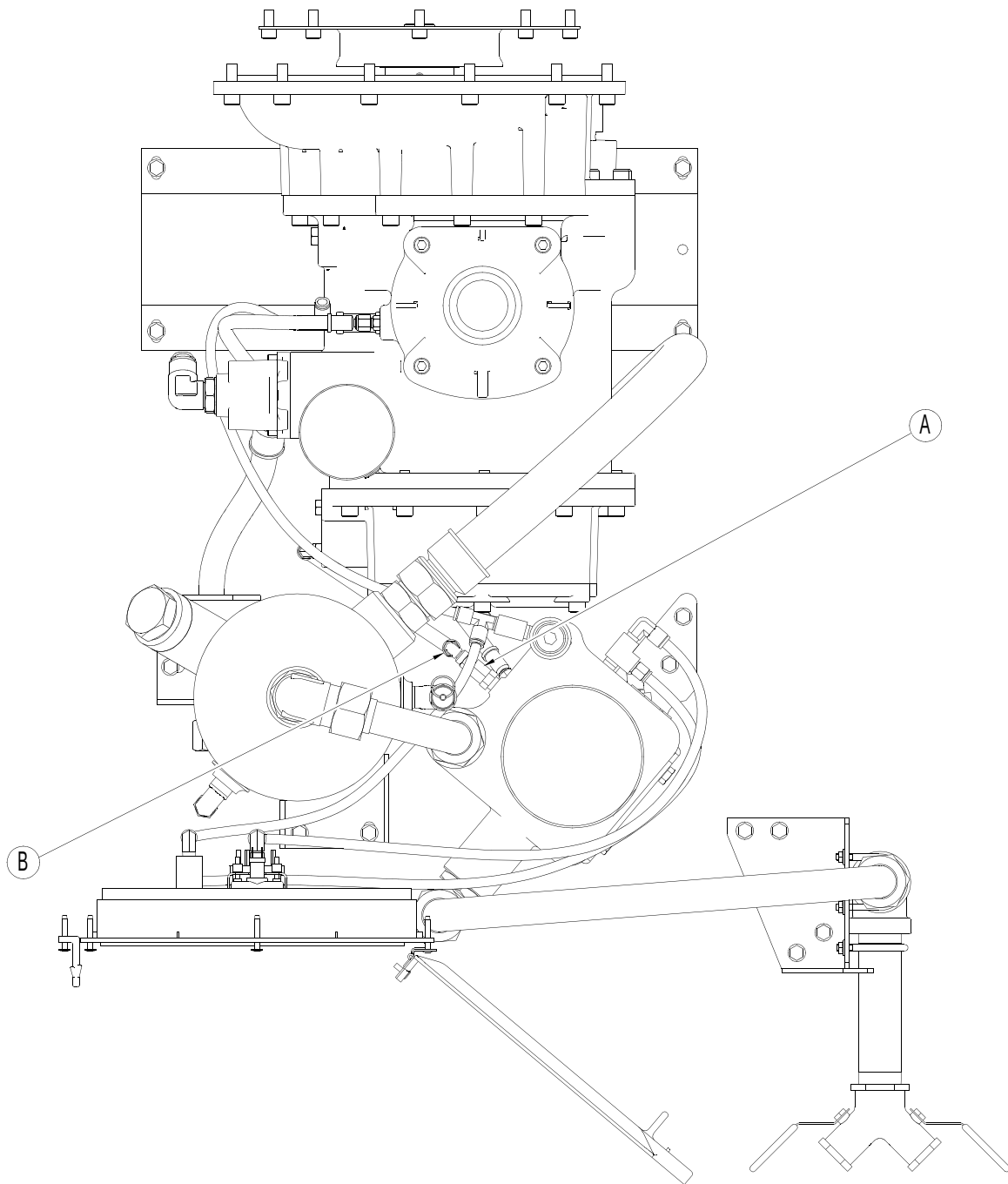
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35370386	Elbow, 90° X 1/8" NPT X 3/8" Tube	1	See Lengths Above
B	95935599	Coupling, Straight 1/8" NPT X .75"	1	
C	22910699	Valve, 2-Way Start-Run	1	
D	35356484	Tubing, 3/8" Synflex	*	
E	35279876	Elbow, 90° O-Ring 7/16"-20 X -4 JIC	1	
F	36896892	Valve, Pressure Regulator 200 PSI	1	
G	35114545	Tee, Street 1/4" NPT	1	
H	35369503	Tee, Run 1/4" NPT X 3/8" Tube	1	
J	95287629	Connector, 1/4" Tube X 1/8" NPT	1	
K	36886992	Valve, 0.078" Check w/ O-Ring	1	
L	35374859	Tee, 1/8" NPT Male Run X 3/8" Tube	1	
M	35282920	Hose Assembly, -4 JIC x 30"	1	
N	35294750	Elbow, 90° O-Ring 1.06"-12 X 3/4" Tube	2	
P	35294677	Hose Assembly, -12 JIC X 13"	1	
Q	35282904	Hose Assembly, -4 JIC X 1125 mm	1	
R	36779999	Tee, O-Ring 1.06"-12 SAE X -12 JIC X -12 JIC	1	
S	35369214	Cap, Hex -12JIC	1	
T	35294768	O-Ring, .92 X .12	AR	

AIR and OIL PIPING STSD



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46492047	Tube, Air - Separator Tank to Element	1	
B	35296409	Connector, -24JIC X 1.88"-12	1	
C	22436331	Element, Separator	1	
D	35279777	Elbow, 90° 1-5/8"-12 X -20 JIC	1	
E	46541405	Tube, Discharge Service Air	1	
F	96702279	Screw, Hex M10-1.5 X 20	4	
G	35144492	Nut, Hex Lock 1/4"-20	4	
H	35189885	U-Bolt, 1/4"-20	2	
J	36881076	Valve, Wye	1	
K	95944542	Nipple, Long 1.25" NPT X 7"	1	
L	95953378	Elbow, 90° X 1.25" NPT	1	
M	95219770	Adapter, 1.25" NPT X 1.62"-12	1	
N	23365349SB	Bracket, Separator Element	1	
P	35369347	Connector, Male 1/4" NPT X 3/8" Tube	1	
Q	35369354	Elbow, 1/4" NPT X 3/8" Tube	1	
R	35296425	Elbow, 45° O-Ring 1.88"-12 X -24 JIC	1	
S	46497616	Hose, Airend Discharge -24 JIC	1	

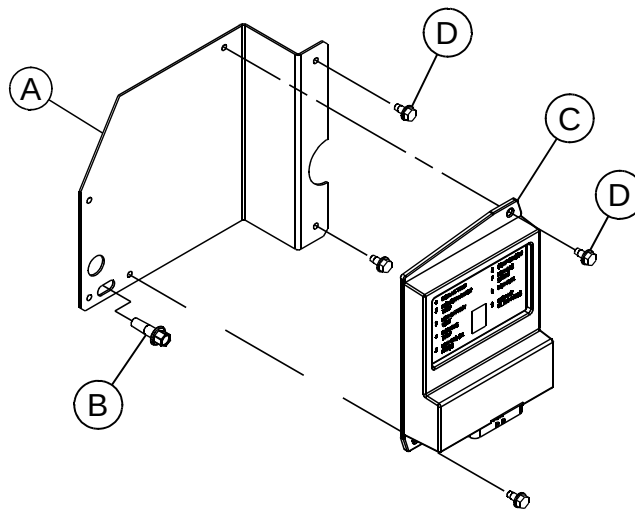
AIR and OIL PIPING TOP



46490686_05/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36840437	Valve, .062" Orifice Check	1	
B	95446340	Elbow, Swivel Nut -4 JIC	1	

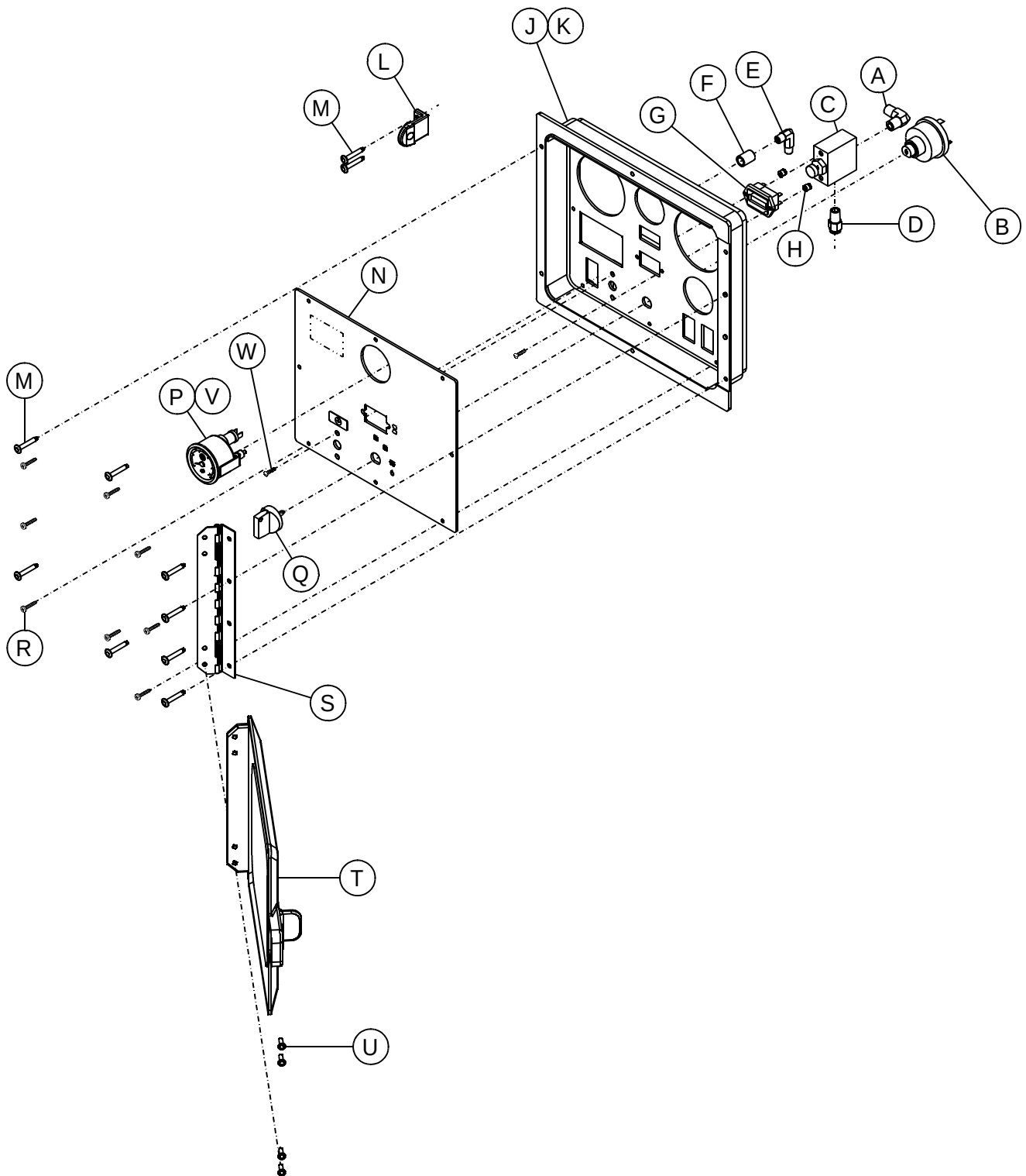
SECU MOUNT



46490686_05/09_A

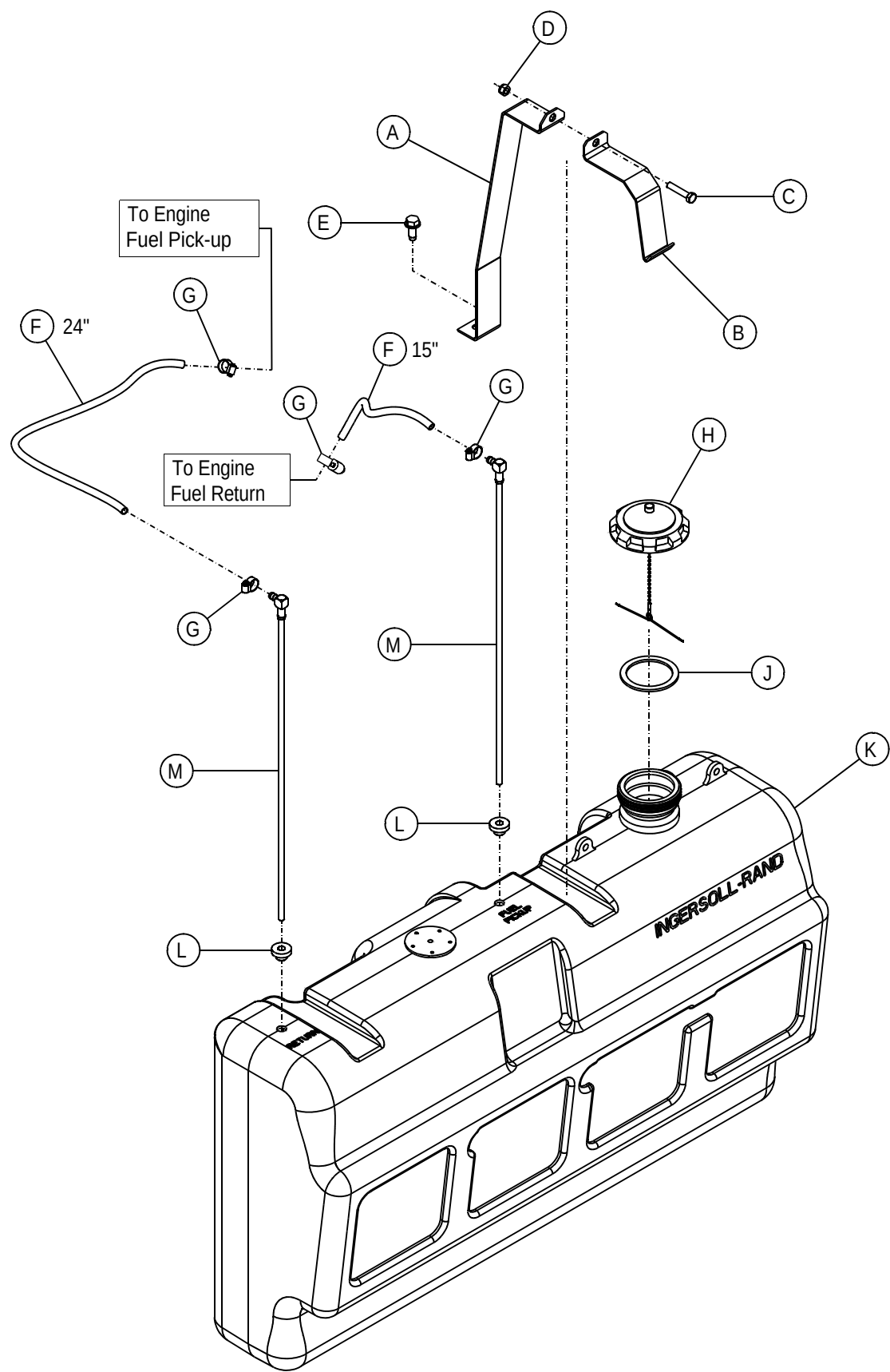
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46497327SB	Support, SECU	1	
B	54721238	Screw, 11/32" HI-LO	1	
C	46499364	Controller, SECU	1	
D	36797652	Screw, Tapping M06-1.0 X 12	4	

INSTRUMENT PANEL



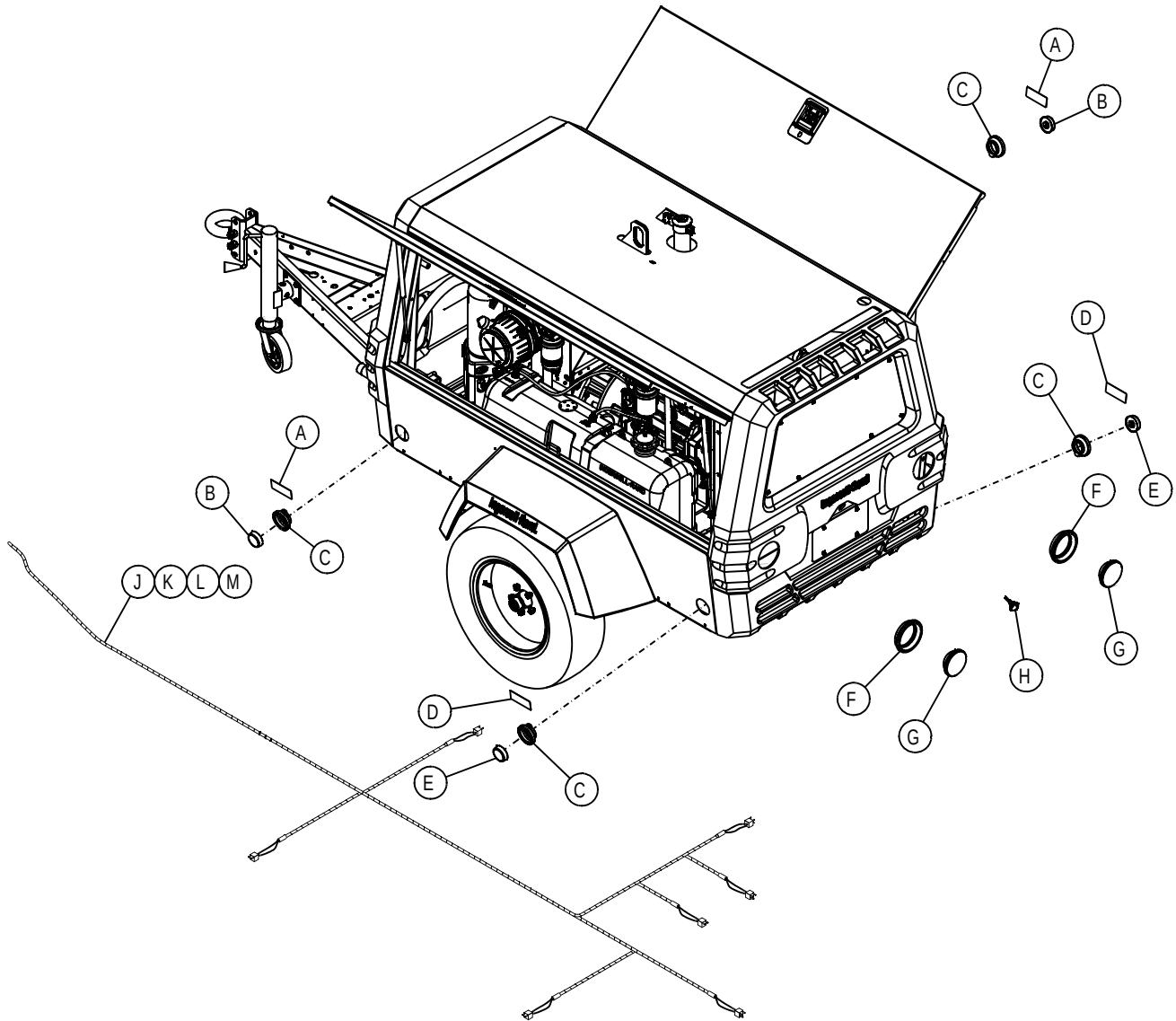
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35369354	Elbow, 90° 1/4" NPT X 3/8" Tube	1	
B	22127385	Switch, Ignition	1	
C	22910699	Valve, 2-Way Start-Run	1	
D	35369347	Connector, Male 1/4" NPT X 3/8" Tube	1	
E	35370386	Elbow, 90° X 1/8" NPT X 3/8" Tube	1	
F	95935599	Coupling, Straight 1/8" NPT X .75"	1	
G	22054175	Hourmeter, Elect/Mech	1	
H	22054159	Nut, Plastic #4-40	2	
J	54749601	Frame, WW Instrument Panel	1	
K	22171680	Panel, Instrument	1	
L	54482518	Latch, Plastic Endcap	1	
M	54721212	Rivet, 3/16" Aluminum	10	
N	22171698	Decal, WW Instrument Panel	1	
P	35604065	Gauge, 150 PSI Pressure	1	
Q	22134118	Knob Assembly (Included w/ Item B)	AR	
R	22070494	Screw, Plastic Tapping	8	
S	22107478	Hinge, Control Panel	1	
T	54482500	Door, Instrument Panel	1	
U	54721220	Rivet, 3/16" Aluminum	4	
V	22137418	Lamp, 14 VDC (Replacement)	AR	
W	22090898	Screw, Pan Head M06-1.0 X 16	2	

FUEL TANK



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22247951	Strap, Hold Down Interior	1	See Lengths Above
B	36884245	Strap, Hold Down Exterior	1	
C	35271170	Screw, Tapping M08-1.25 X 40	1	
D	35278530	Nut, Hex Nyloc M08	1	
E	35279025	Screw, Tapping M08-1.25 X 20	1	
F	35363498	Hose, .5/16" Fuel	~	
G	35296342	Clamp, Worm Gear	4	
H	36885546	Cap, Fuel	1	
J	36385111	Gasket, Fuel Cap	1	
K	36881100	Tank, Fuel	1	
L	35384577	Bushing, Nitrile	2	Included w/ Item K
M	35392307	Standpipe Assembly	2	Included w/ Item K

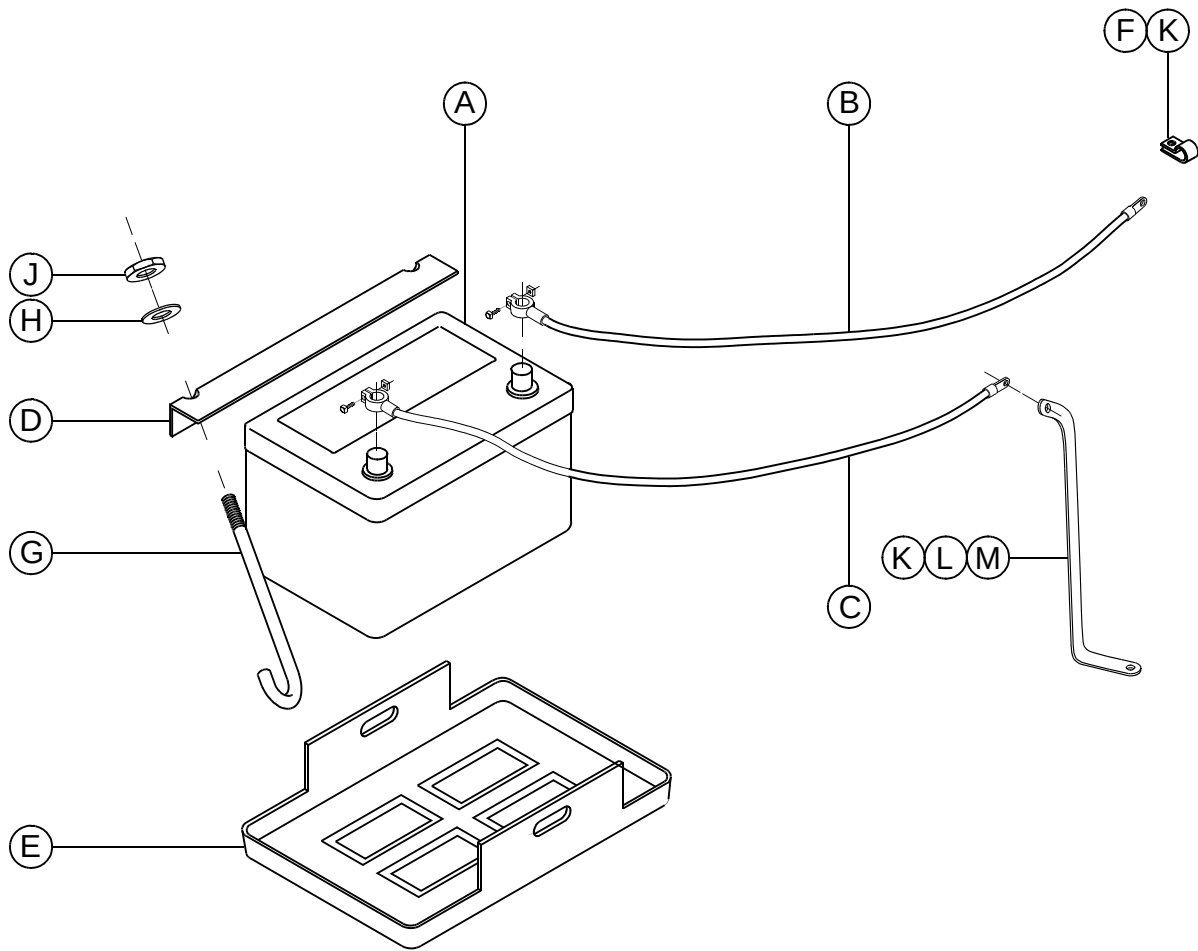
LIGHTS and WIRING



46490686_05/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36894616	Reflector, Amber	2	
B	35367051	Light, Amber Clearance	2	
C	36893634	Grommet, Clearance Light	4	
D	36894608	Reflector, Red	2	
E	35367044	Light, Red Clearance	2	
F	36788081	Light, Combo Tail	2	
G	36787968	Grommet, Tail Light	2	
H	54726468	Light, License	1	
J	23050180	Harness, Trailer	1	
K	35253038	Clamp, Support 3/8"	10	
L	35279025	Screw, Tapping M08-1.25 X 20	3	
M	92368687	Screw, Tapping M06-1.0 X 14	4	

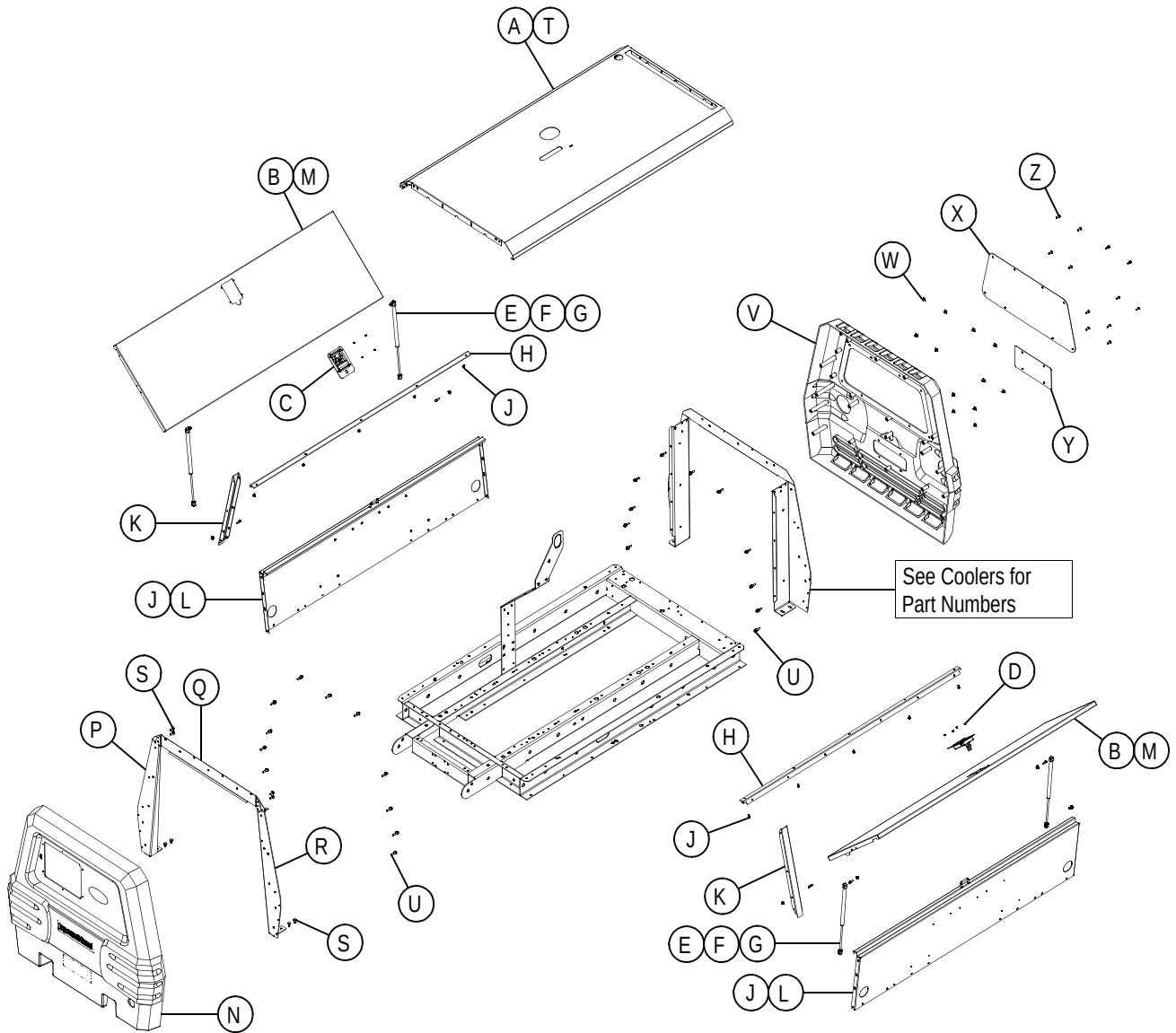
BATTERY MOUNT



46490686_05/09_A

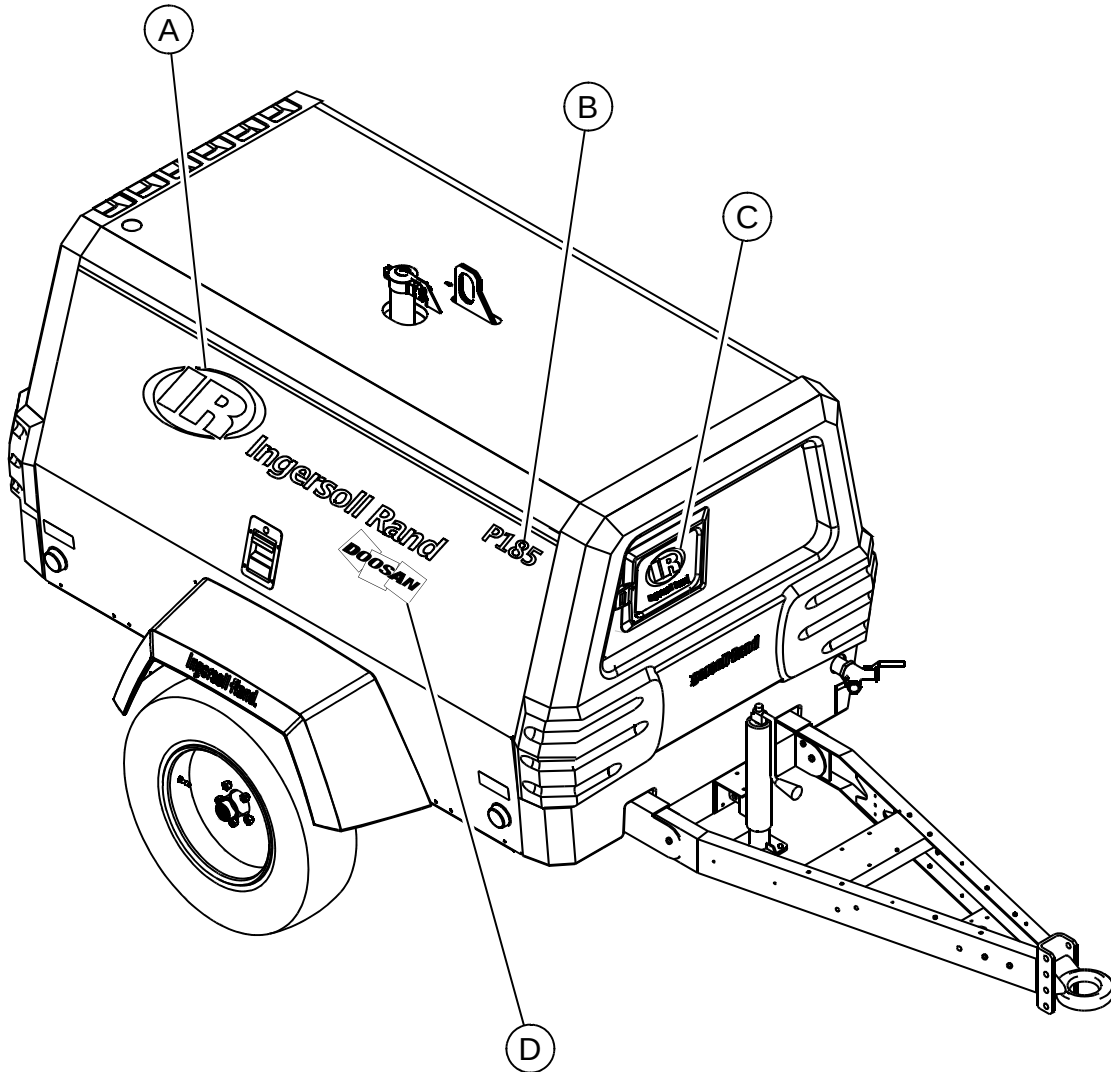
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36844264	Battery	1	
B	36793743	Cable, Positive Battery	1	
C	36780609	Cable, Negative Battery	1	
D	36853257	Angle	1	
E	36878064	Tray, Battery	1	
F	35225077	Clamp, 5/8" Support	2	
G	36860005	J-Bolt	2	
H	36853265	Washer, Plastic	2	
J	95923298	Nut, LockK 1/4"-20	2	
K	35279025	Screw, Tapping M08-1.25 X 20	3	
L	36783488	Strap, Ground	1	
M	36888055	Screw, Hex Flange M12-1.75 X 30	1	

ENCLOSURE



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46492898GA	Roof	1	
B	36889509GA	Door, Side	2	
C	36793602	Latch, Door Slam	2	
D	36794816	Rivet, 3/16" X 1/8"	8	
E	35600287	Spring, Gas	4	
F	35337328	Stud, Ball M08-125	8	
G	36881886	Nut, Hex Flange M08-125	8	
H	36883437	Hinge, Door	2	
J	36797652	Screw, Tapping M06-1.0 X 12	22	
K	46492765GA	Stop, Door	4	
L	36894194GA	Panel, Side	2	
M	36865293	Bumper, Rubber	6	
N	54473517	Endcap, Front	1	
P	46498028SB	Stiffner, CRBSD Endcap	1	
Q	54602719GA	Cross Member Endcap	1	
R	46543138SB	Stiffner, STSD Endcap	1	
S	35279025	Screw, Tapping M08-1.25 X 20	24	
T	35310622	Plug, Hole 2"	1	
U	54721238	Screw, 11/32" HI-LO	14	
V	54473525	Endcap, Rear	1	
W	54724117	Grommet, Screw	12	
X	36883445GA	Cover, Top Cooler Access	1	
Y	36883452GA	Cover, Lower Cooler Access	1	
Z	54519202	Screw, Hex 1/4"-10 X.3/4"	12	

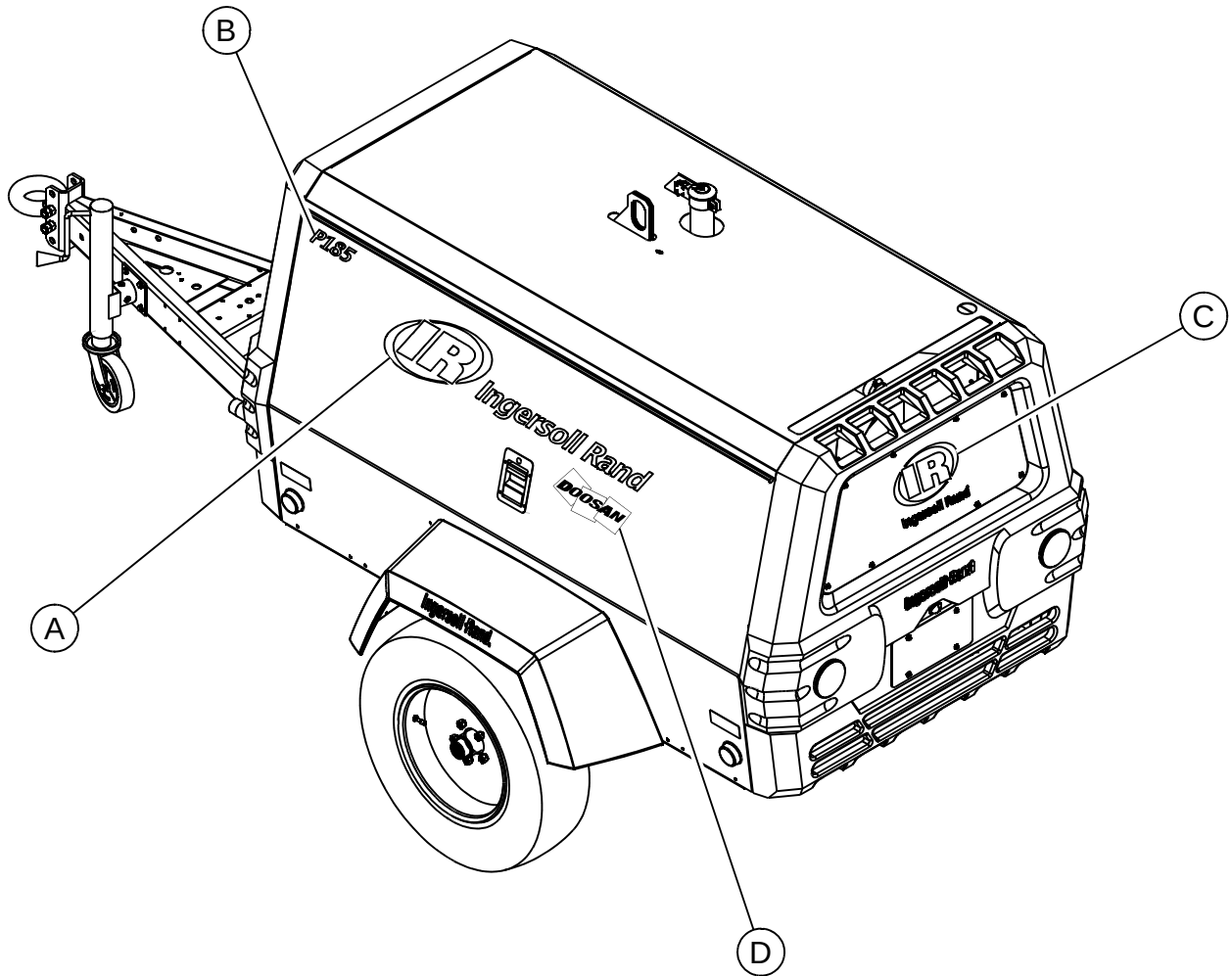
DECAL LOCATION - EXTERIOR CRBSD LOGO



46490686_05/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46492575	Decal, IR Logo 34"	1	
B	46546149	Decal, P185 Model Number	1	
C	46549499	Decal, 6.50" Stacked IR Logo	1	
D	46497400	Decal, 8" Doosan	1	

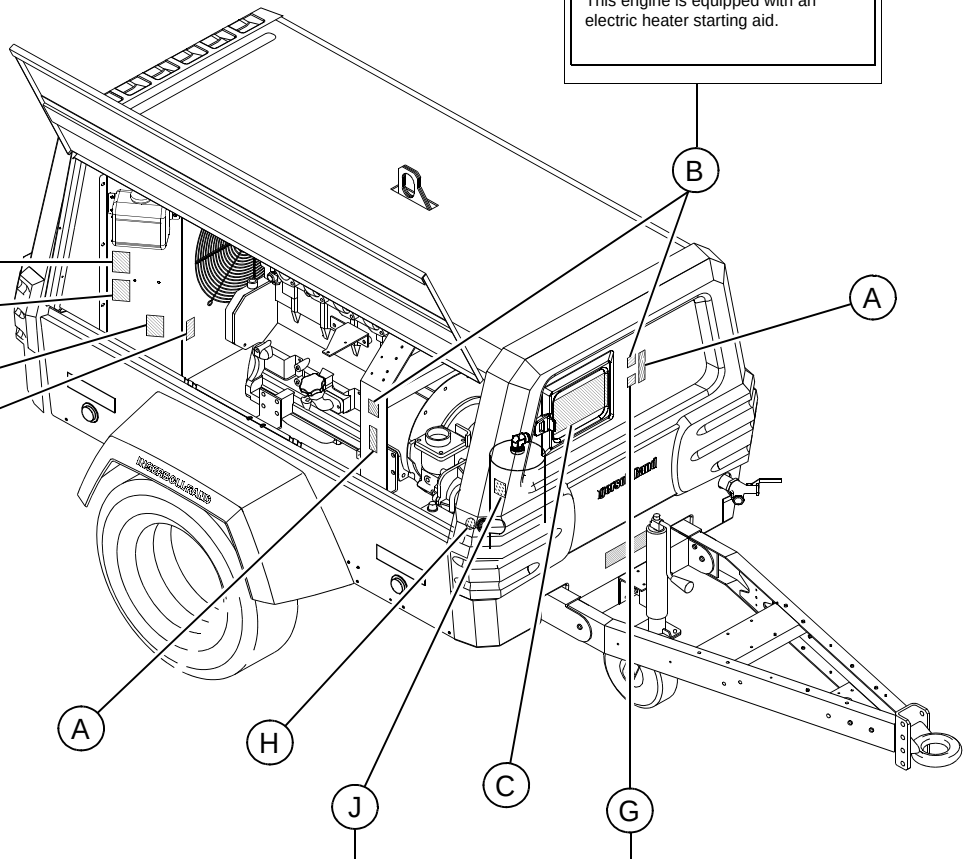
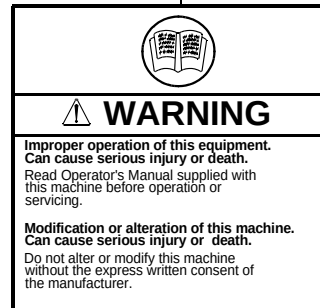
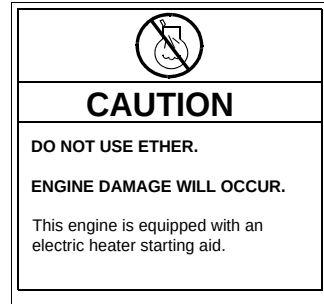
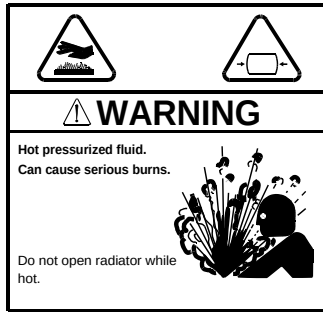
DECAL LOCATION - EXTERIOR STSD LOGO



46490686_05/09_A

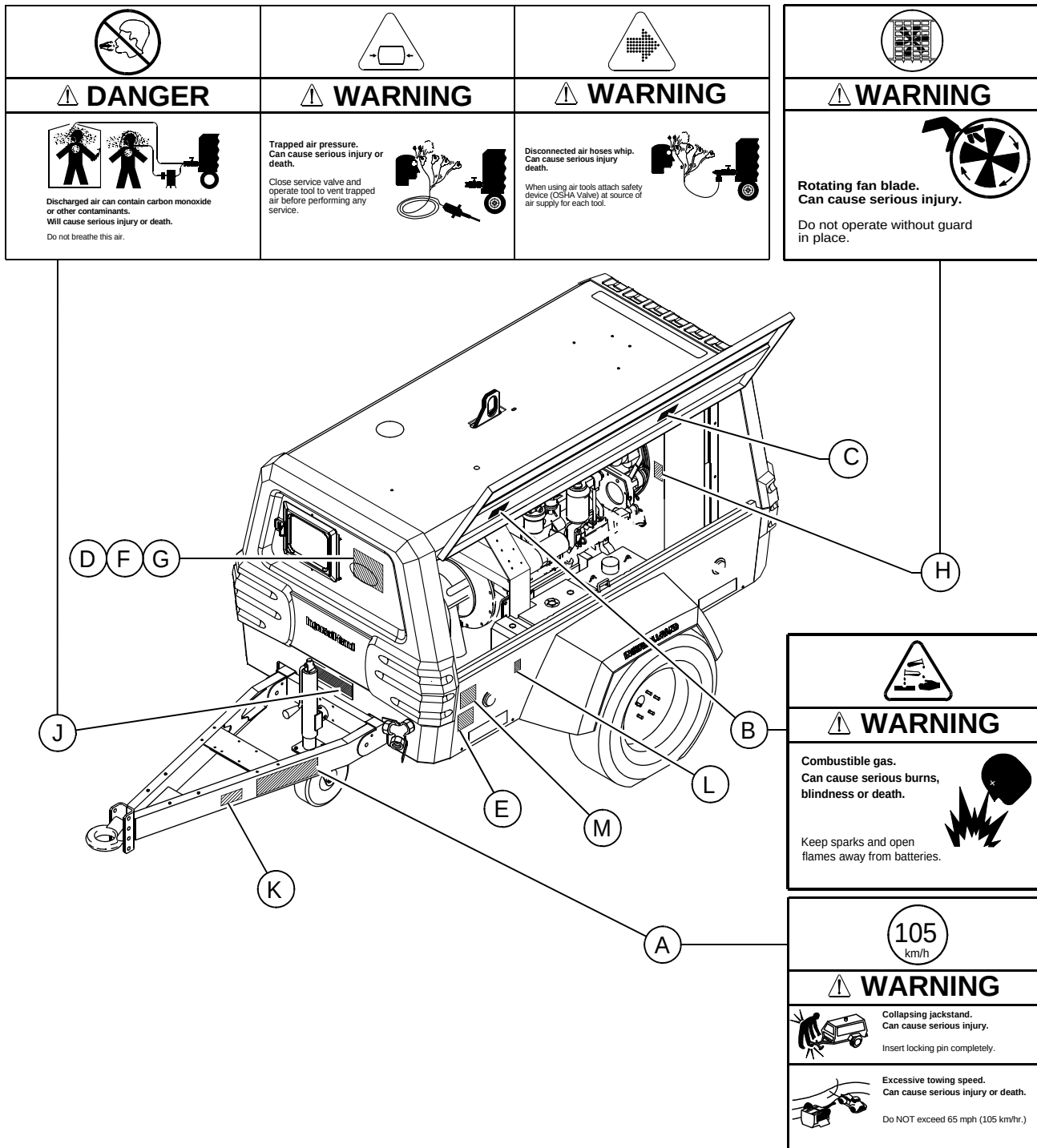
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46492575	Decal, IR Logo 34"	1	
B	46546149	Decal, P185 Model Number	1	
C	46492492	Decal, 12.25" Stacked IR Logo	1	
D	46497400	Decal, 8" Doosan	1	

DECAL LOCATION -- CRBSD



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54640016	Engine and Compressor Oil Service	2	
B	54454756	NO Ether Caution	2	
C	22313928	Operating Instructions	1	
D	54604962	Radiator Fill	1	
E	54568779	Rotating Fan Warning	1	
F	54568761	Hot Pressurized Fluid Warning	1	
G	54568787	Improper Operation	1	
H	54604970	Oil Fill	1	
J	54568795	High Pressure Warning	1	
K	23230857	Serial Number Plate	1	
L	36794816	Rivet, 3/16" X 1/8"	2	

DECAL LOCATION -- STSD

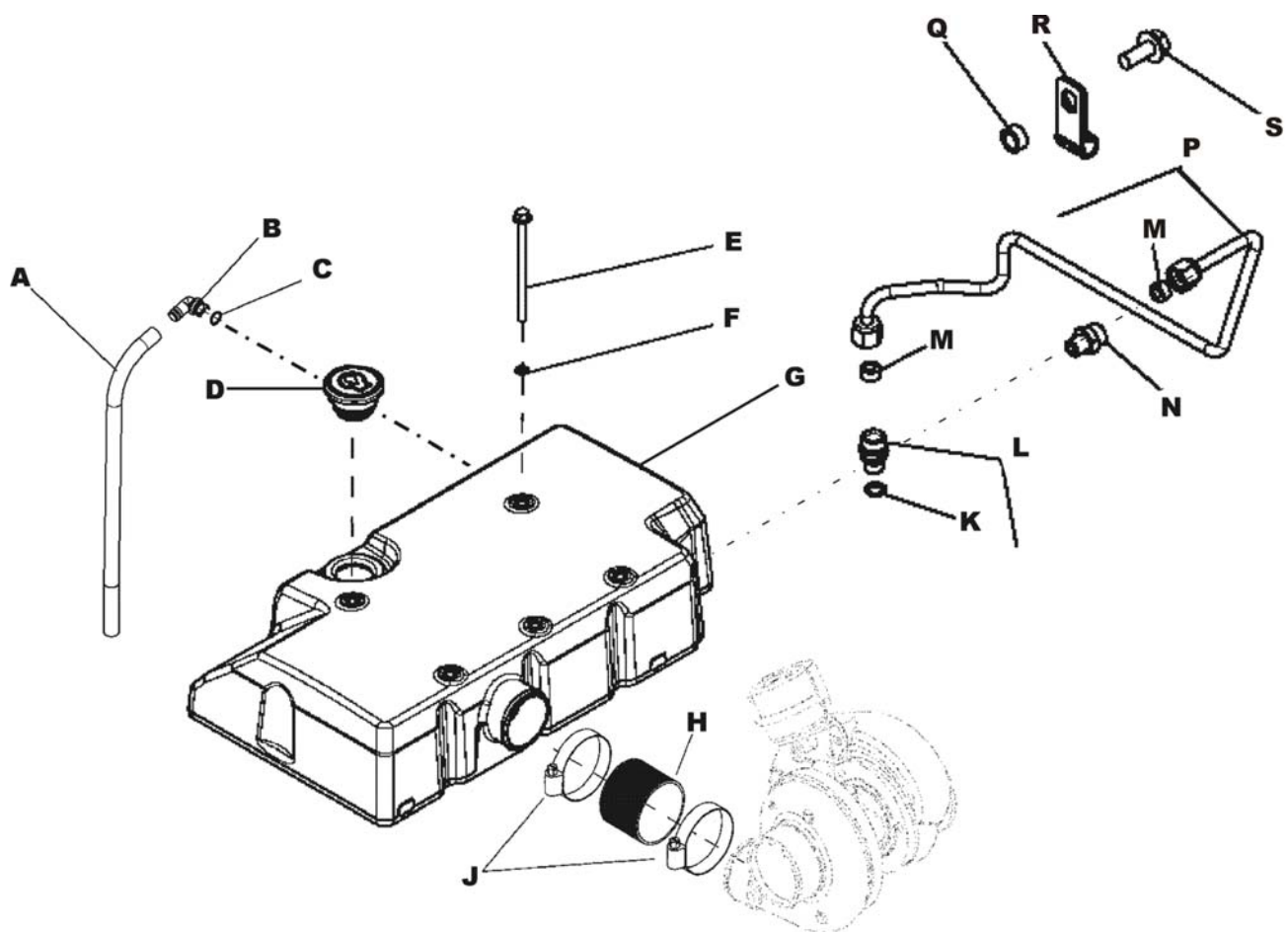


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568803	2-Part Drawbar Warning	1	
B	54568753	Battery Gas Warning	1	
C	23321961	Diesel Fuel	1	
D	46546123	Laminet Set	1	
E	23241045	V. I. N.	1	
F	23233059	Binder, 3 Ring	1	
G	22068282	Screw, Tapping M04 X 25	2	
H	54568779	Rotating Fan Warning	1	
J	54629902	3-Part Danger/Warning	1	
K	54604921	Tow Chains Notice	1	
L	22743736	Tire Load Decal	1	
M	36514602	EPA Noise	1	



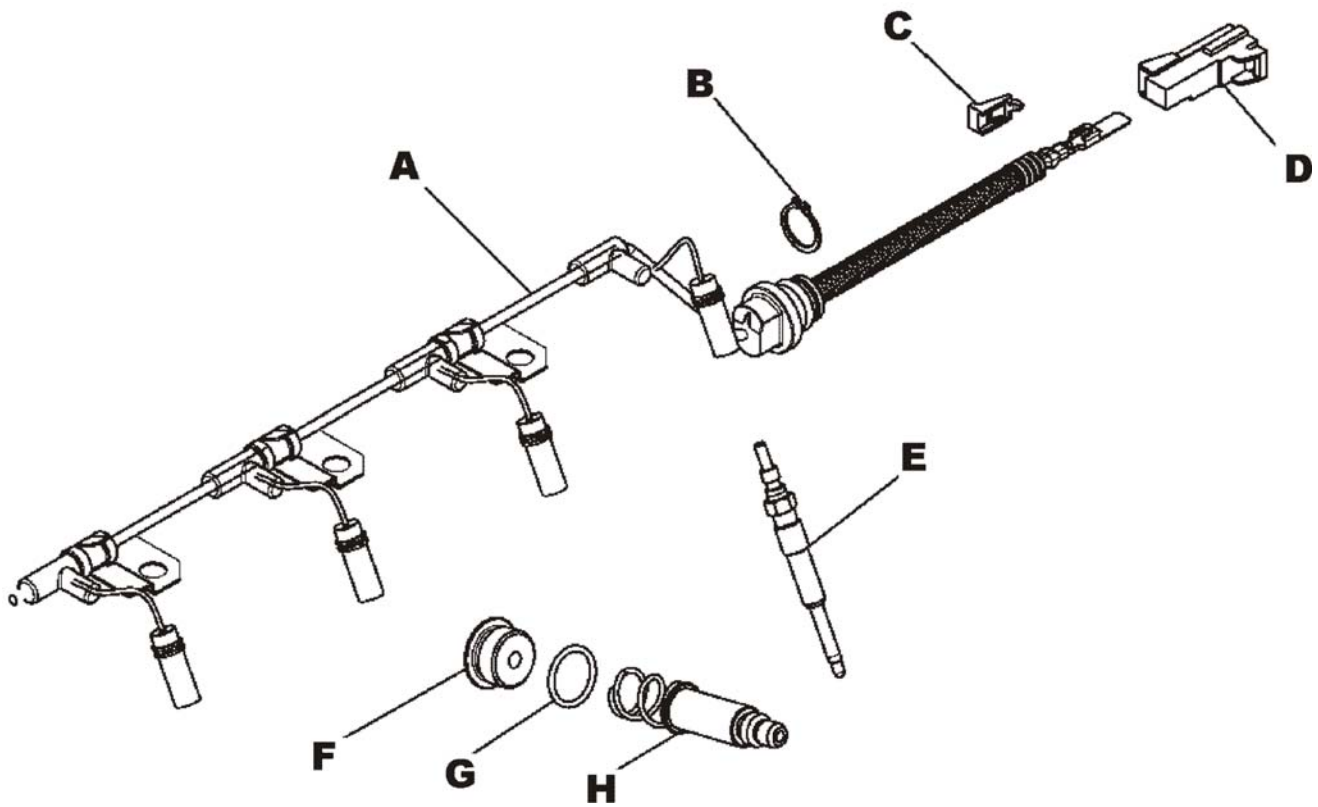
Section C - ENGINE PARTS

ROCKER COVER, AIR and FUEL LINES



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	85473304	Hose (bulk)	615 mm	
B	36105062	Fitting, Elbow	1	
C	36110385	O-Ring, 18.72 X 2.616 mm	1	
D	18965384	Cap, Oil Filler	1	
E	46544052	Screw, Hex Flange M06-1.0 X 100	5	
F	36108660	O-Ring	5	
G	46544060	Cover, Valve	1	
H	46544078	Hose, Turbo Air Intake (49 mm)	1	
J	46544086	Clamp	2	
K	24899106	O-Ring, 8.10 X 1.60 mm	1	
L	46544391	Fitting, Adapter	1	
M	36126050	Washer, Sealing 5 mm	2	
N	46544433	Fitting, Straight Adapter	1	
P	46544425	Line, Aneroid Fuel	1	
Q	46544409	Washer	1	
R	46544417	Clamp, Tube Support	1	
S	23110497	Screw, Hex Flange M08-1.25 X 20	1	

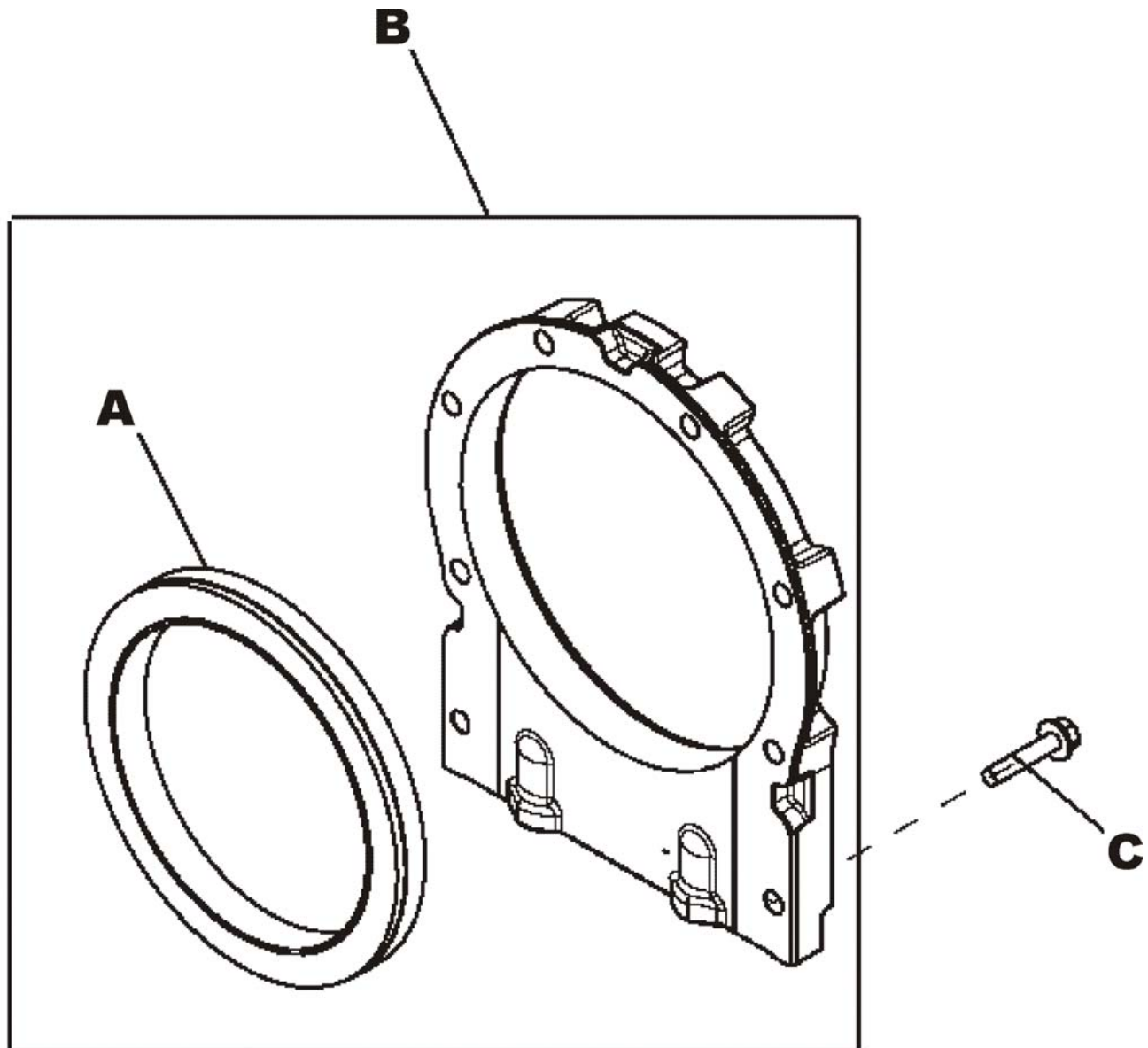
GLOW PLUGS



46490686_02/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46544250	Harness, Glow Plug Wiring	1	
B	46544268	Ring, Snap	1	
C	46544276	Lock, Differential	1	
D	46544284	Cap, Electrical Connector	1	
E	22607634	Plug, Glow	4	
F	46544300	Fitting, Glow Plug		
G	85470649	O-Ring, 19.30 X 2.20 mm	1	
H	46544292	Thermostat, Glow Plug	1	

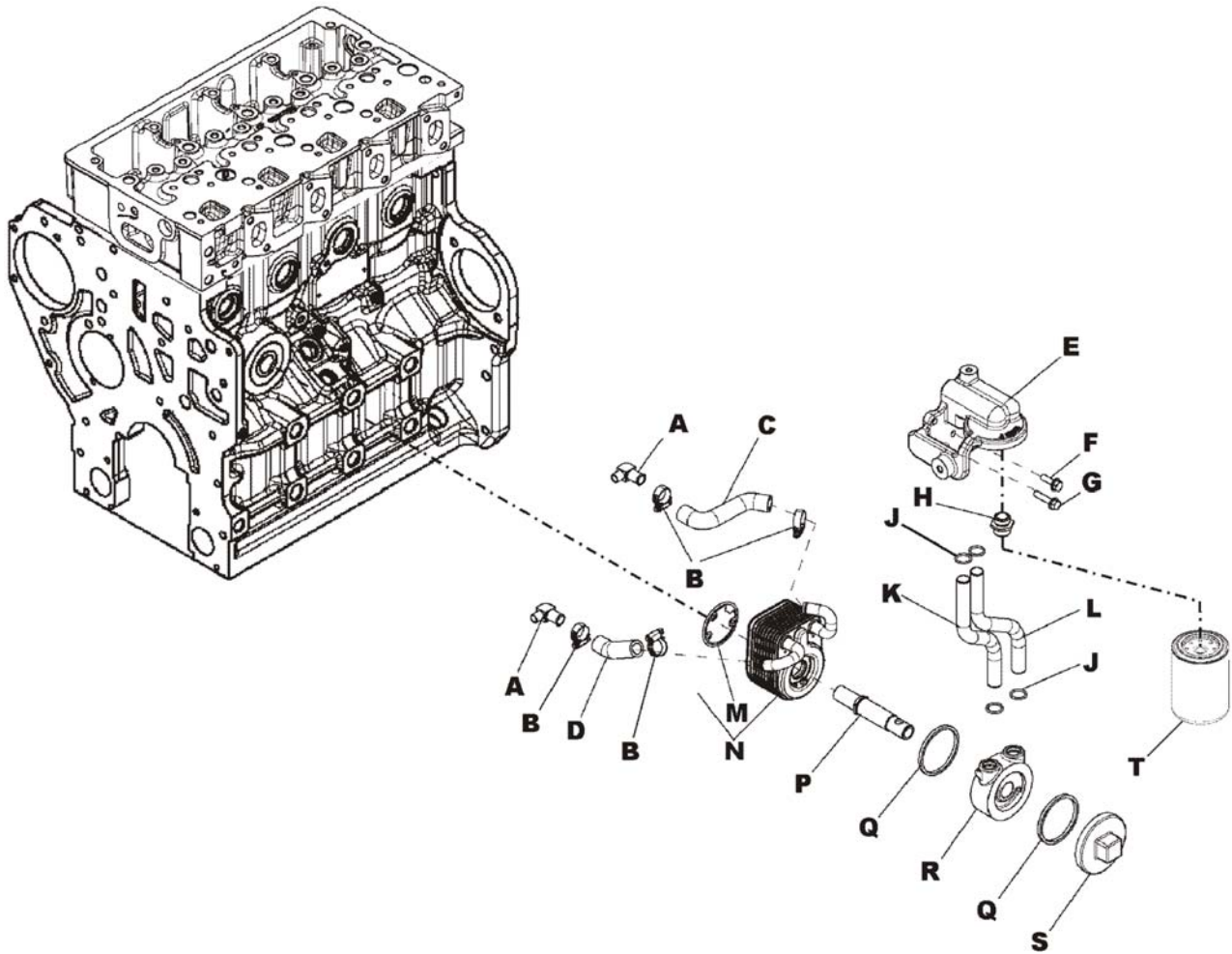
REAR OIL SEAL



46490686_02/09_A

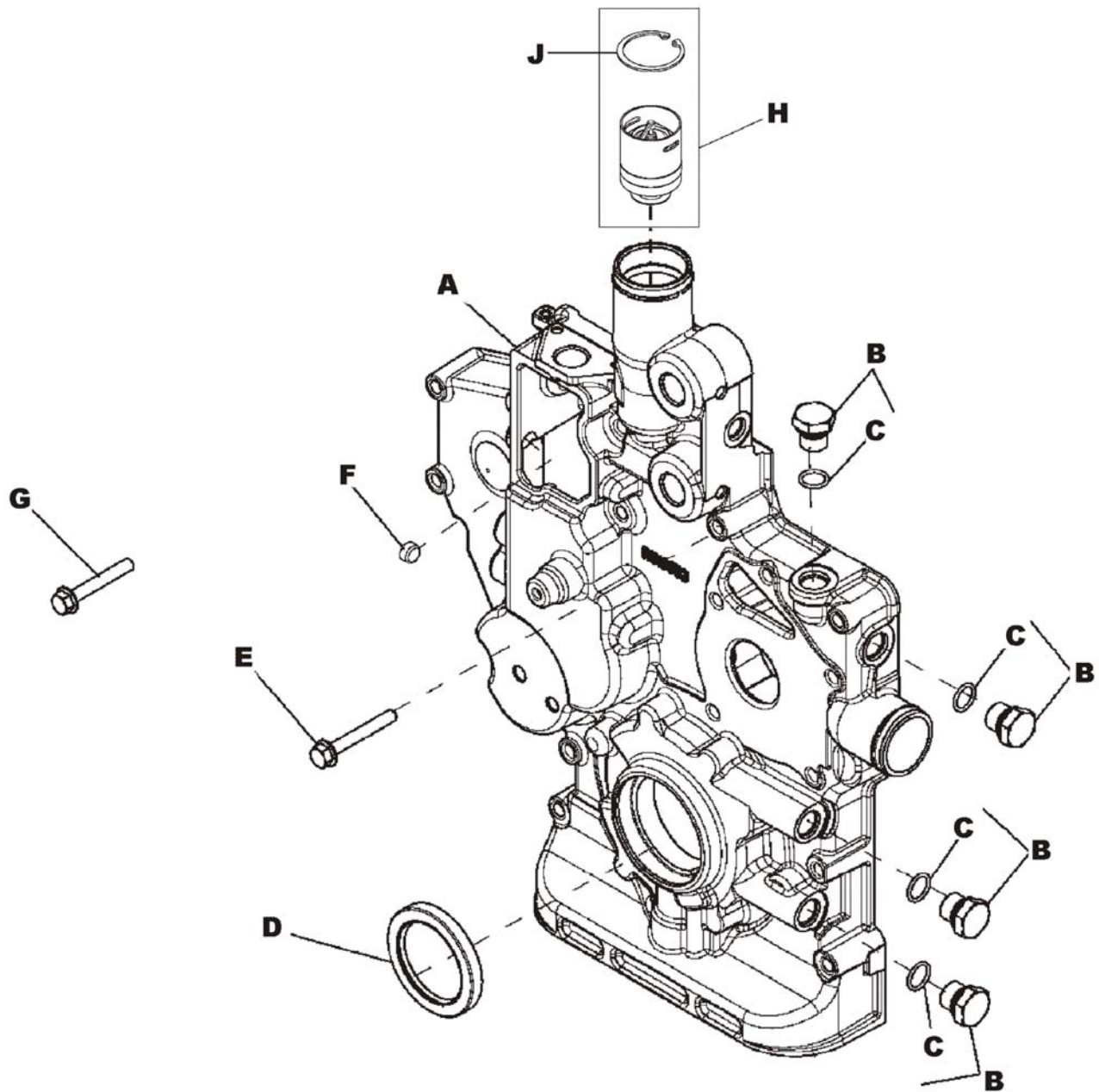
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36114015	Seal, Rear Oil	1	
B	46543757	Kit, Rear Seal	1	
C	85471183	Screw, Hex Flange M06-1.0 X 30	8	

OIL COOLER and FILTER



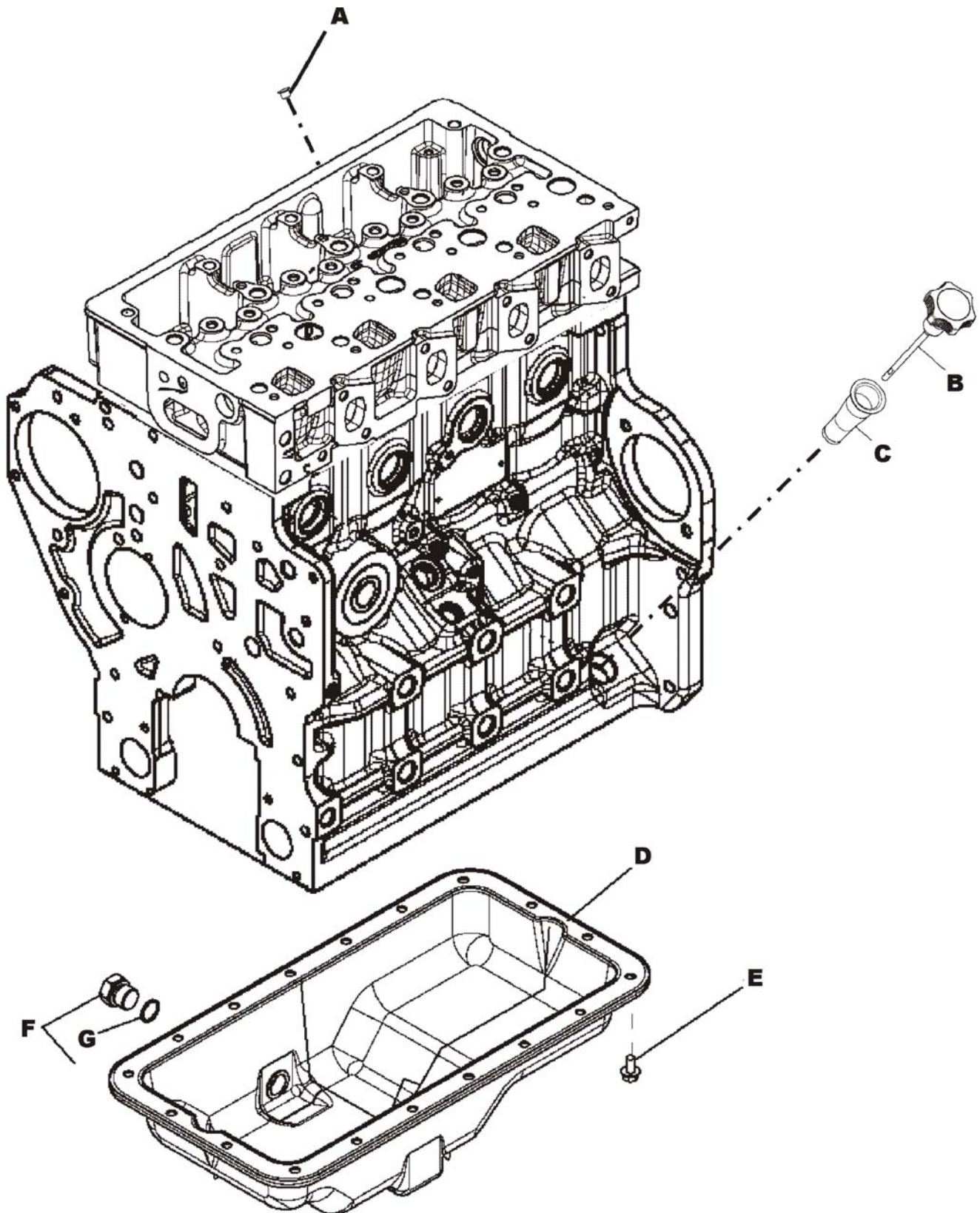
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46544136	Elbow, 3/8"-18 NPT	2	
B	36101434	Clamp, Hose	4	
C	46544144	Hose, Inlet (87.3 mm)	1	
D	46544169	Hose, Outlet (78.1 mm)	1	
E	46544102	Head, Oil Filter	1	
F	23110661	Screw, Hex Flange M08-1.25 X 25	1	
G	85471084	Screw, Hex Flange M08-1.25 X 35	2	
H	46544110	Adapter, 7/8"-14 X M24	1	
J	36110385	O-Ring, 18.72 X 2.616 mm	4	
K	46544193	Tube, Oil Return	1	
L	46544128	Tube, Oil Intake	1	
M	46544151	Gasket, Oil Cooler	1	
N	18966564	Cooler, Oil	1	
P	46544177	Nipple, Threaded	1	
Q	36110302	Washer	2	
R	46544185	Adapter, Fitting	1	
S	46544854	Cover, Oil Cooler	1	
T	22545867	Element, Oil Filter	1	

TIMING GEAR COVER & THERMOSTAT



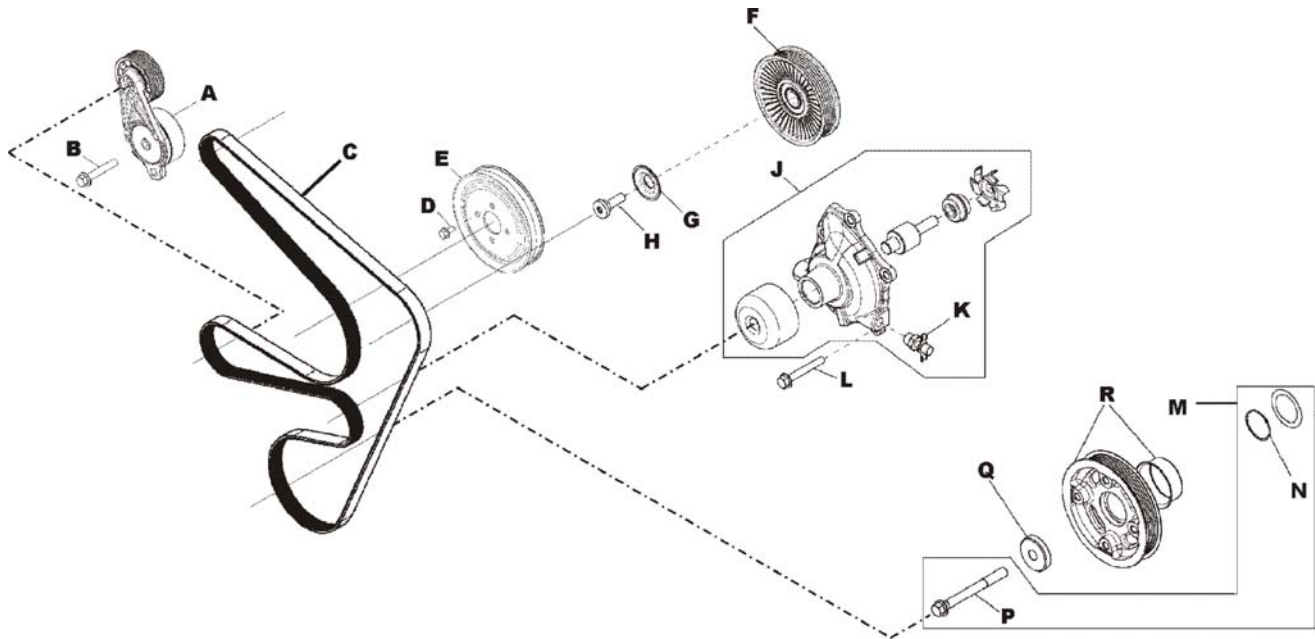
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	18967281	Cover, Timing Gear	1	
B	36114080	Plug, M18-2.5 X 1.5 W/ O-Ring	4	
C	85470623	O-Ring, 15.3 X 2.20 mm	4	
D	36101723	Seal	1	
E	46543906	Screw, Hex Flange M08-1.25 X 60	1	
F	46544003	Plug	1	
G	46544011	Screw, Hex Flange M08-1.25 X 55	11	
H	18966135	Thermostat Kit	1	
J	46544029	Ring, Snap	1	

OIL PAN



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	85472488	Plug	1	
B	36136521	Dipstick	1	
C	46544037	Tube, Oil	1	
D	46544045	Pan, Oil	1	
E	22808786	Screw, Hex Flange M08-1.25 X 16	2	
F	36114106	Plug, M22 -2.5 X 1.5 w/ Gasket	1	
G	85470649	O-Ring, 19.30 X 2.20 mm	1	

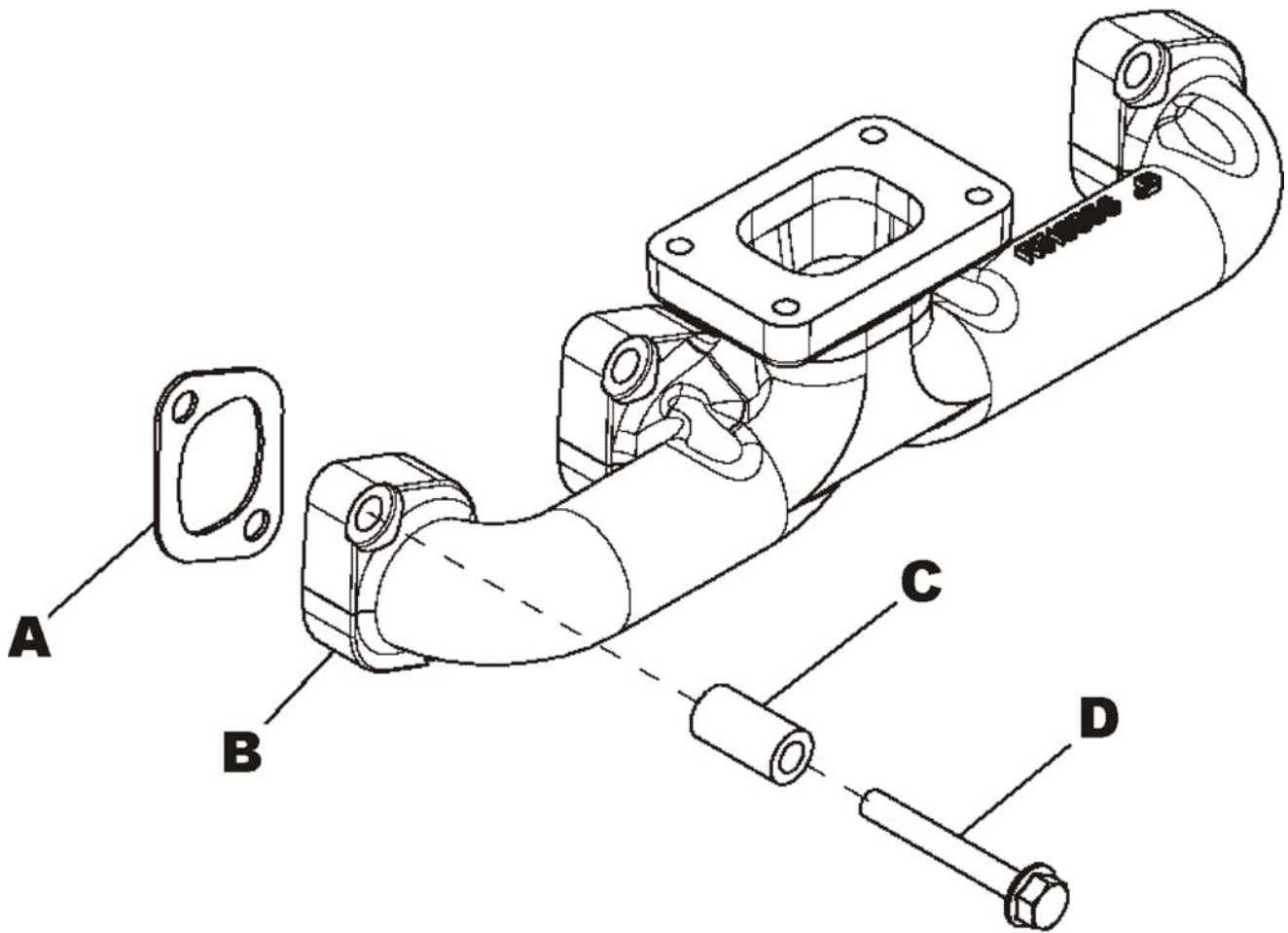
FAN DRIVE



46490686_02/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36138543	Tensioner, Belt	1	
B	46543823	Screw, Hex Flange M10-1.50 X 60	1	
C	46543831	Belt, Fan	1	
D	46543849	Screw, Hex Flange M08-1.25 X 16	4	
E	46543856	Pulley, Fan	1	
F	46543864	Pulley, Idler	1	Prior to Engine S/N 007357
	46543872	Pulley, Idler	1	Begin with Engine S/N 007357
G	36136976	Shield, Dust	1	Prior to Engine S/N 007357
	46543880	Shield, Dust	1	Begin with Engine S/N 007357
H	36136968	Screw, M10-1.50 X 35	1	Prior to Engine S/N 007357
	46543898	Screw, Hex Socket Cap	1	Begin with Engine S/N 007357
J	36136133	Pump, Water	1	
K	36102176	Valve, Drain	1	
L	46543906	Screw, Hex Flange M08-1.25 X 60	5	
M	46543930	Kit, Crankshaft Pulley Washer	1	
N	46543922	O-Ring	1	
P	46543914	Screw, Hex Flange M12-1.75 X 110	1	
Q	46543948	Bushing, Crankshaft Pulley	1	
R	46543955	Pulley, Crankshaft	1	

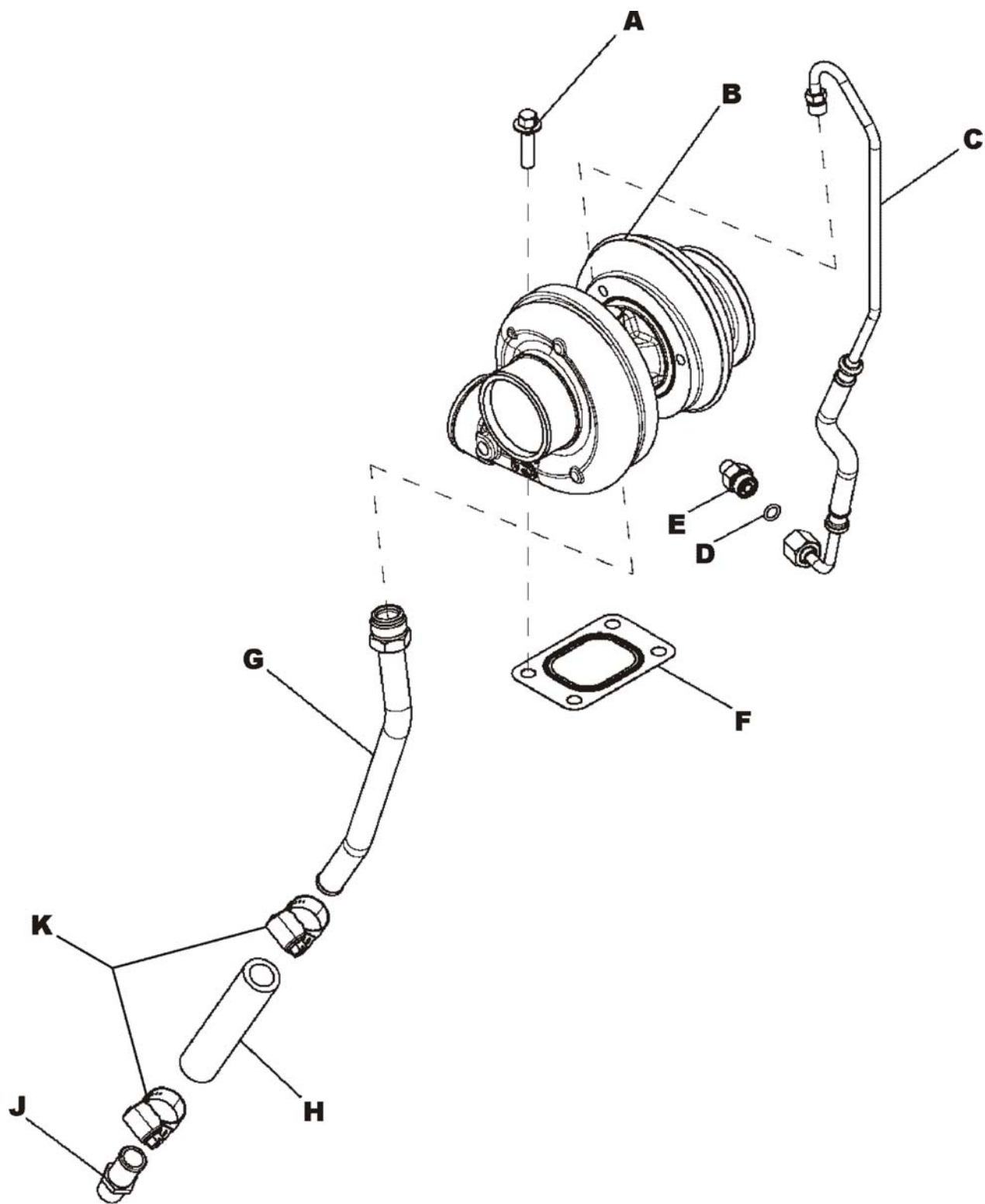
EXHAUST MANIFOLD



46490686_02/09_A

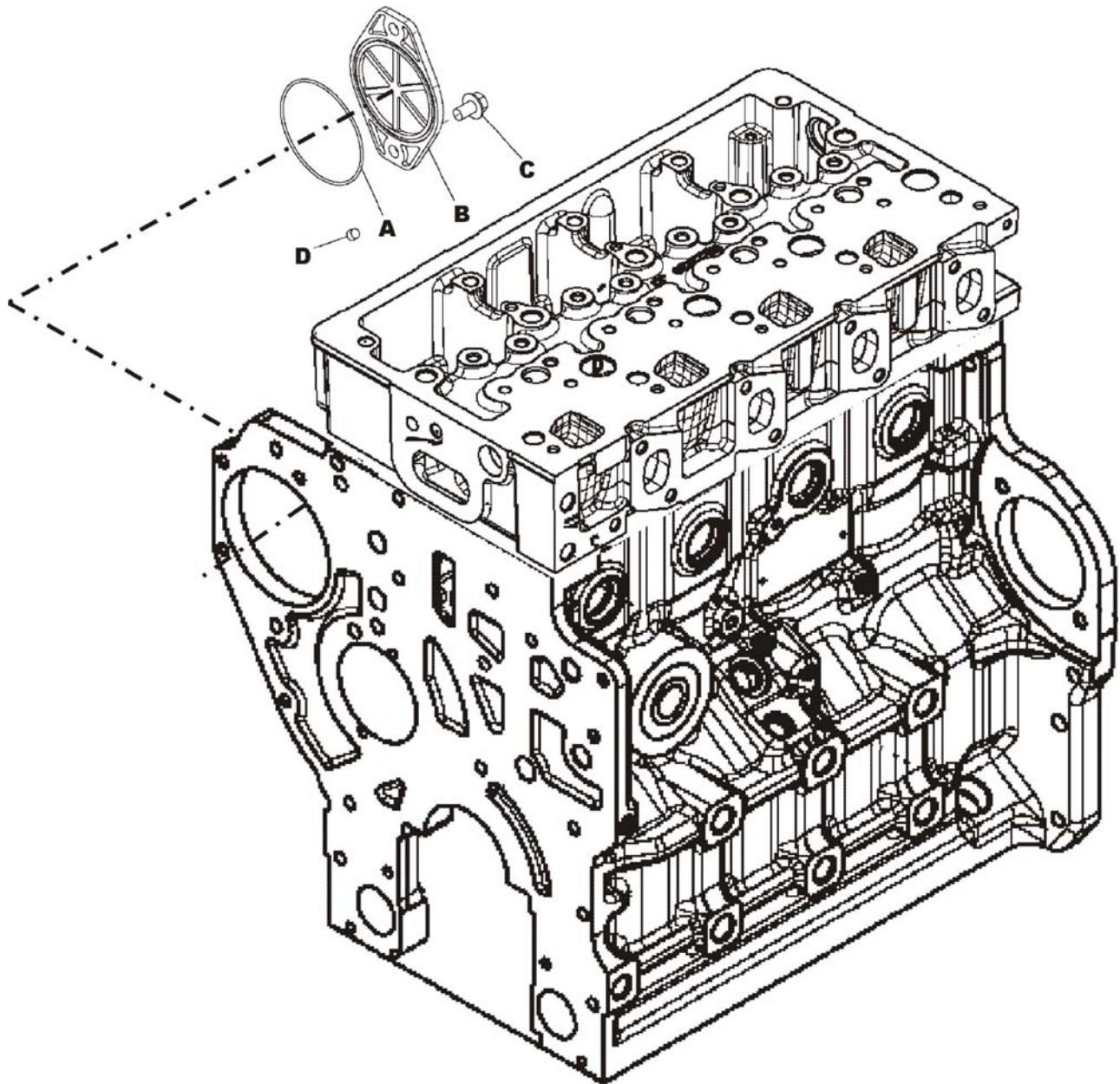
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46544334	Gasket, Exhaust Manifold	4	
B	46544326	Manifold, Exhaust	1	
C	46544318	Spacer, Exhaust Manifold	8	
D	18969428	Screw, Hex Flange M08-1.25 X 60	8	

TURBOCHARGER



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46543765	Screw, Hex Flange M08-1.25 X 30	4	
B	36137479	Turbocharger	1	
C	18967158	Line, Oil Supply	1	
D	46543773	O-Ring	1	
E	46543781	Adapter, 1/8"-27 NPT X 9/16"-18	1	
F	36138428	Gasket, Turbo to Exhaust Maifold	1	
G	46543799	Line, Oil Drain	1	
H	46543807	Hose, Rubber Drain	1	
J	46543815	Fitting, Hose 3/8"-18 NPT	1	
K	36117885	Clamp, Hose	2	

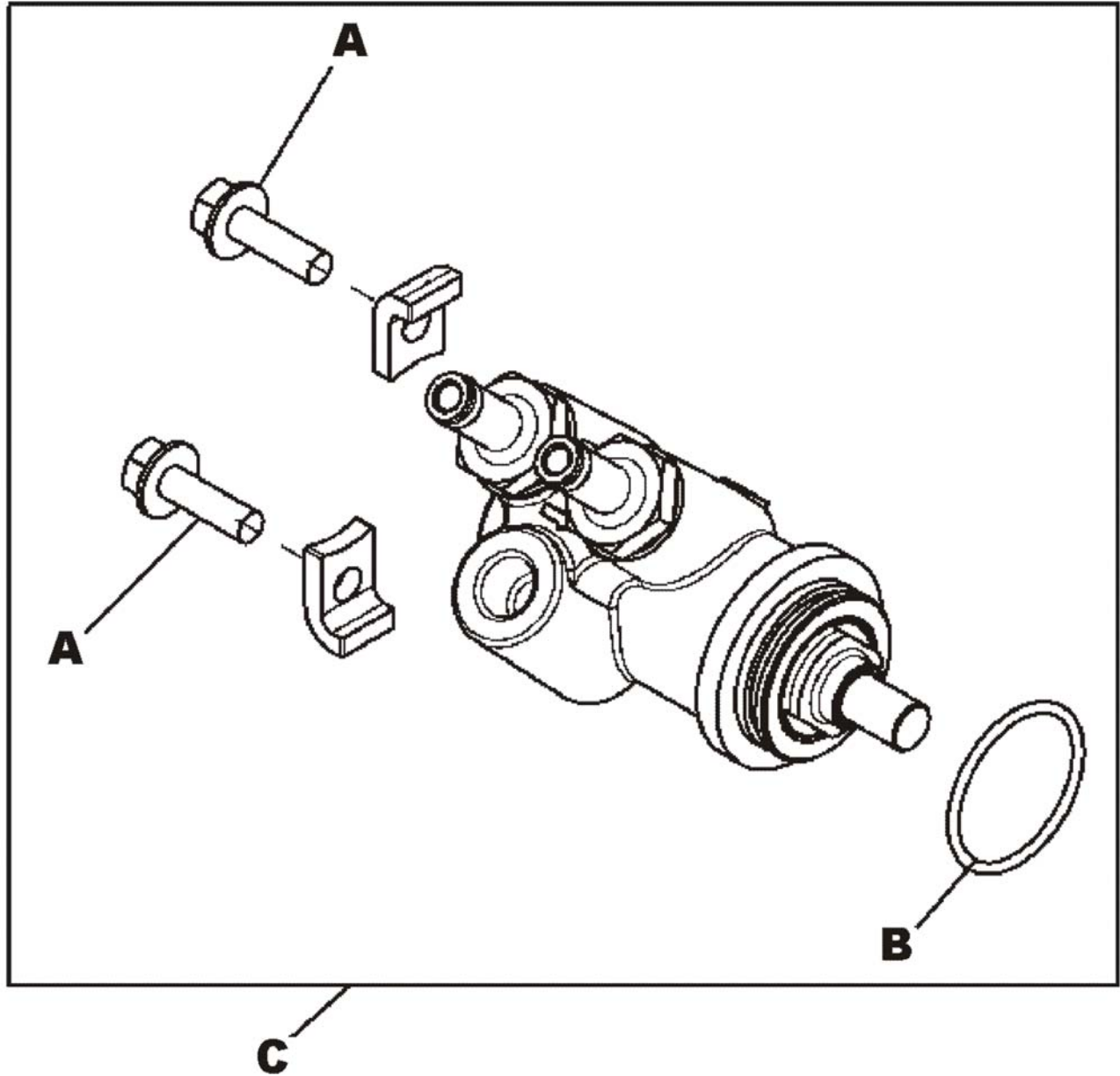
AUXILLIARY DRIVE COVER



46490686_02/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36119287	O-Ring	1	
B	46543732	Cover, Auxilliary Drive	1	
C	46543740	Screw, Hex Flange M12-1.75 X 20	2	
D	36103604	Plug, Pipe 1/8"-27 NPT	1	

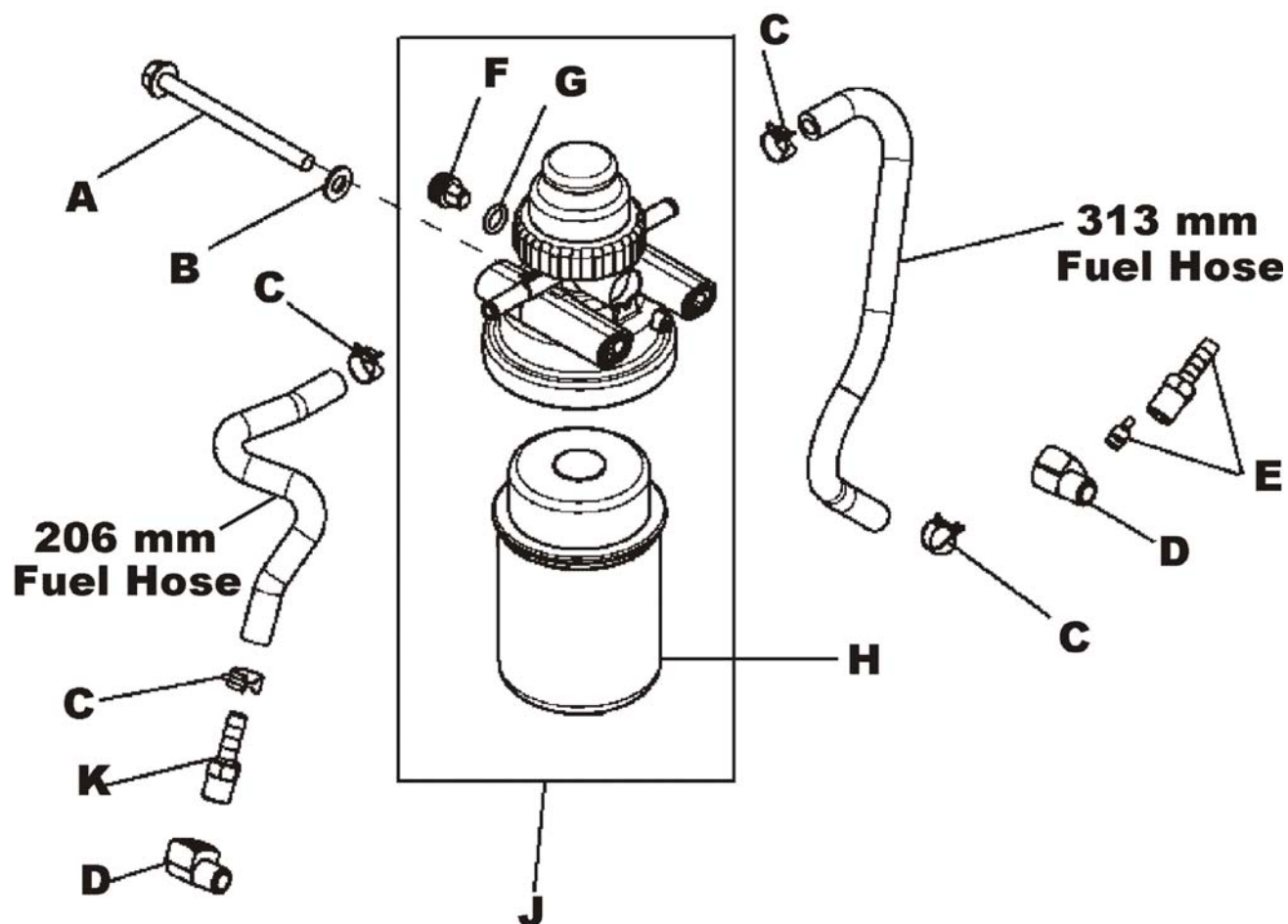
FUEL TRANSFER PUMP



46490686_02/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	24898918	Screw, Hex Flange M06-1.0 X 20	2	
B	46544201	Kit, O-Ring	1	
C	36137875	Pump, Fuel Transfer	1	

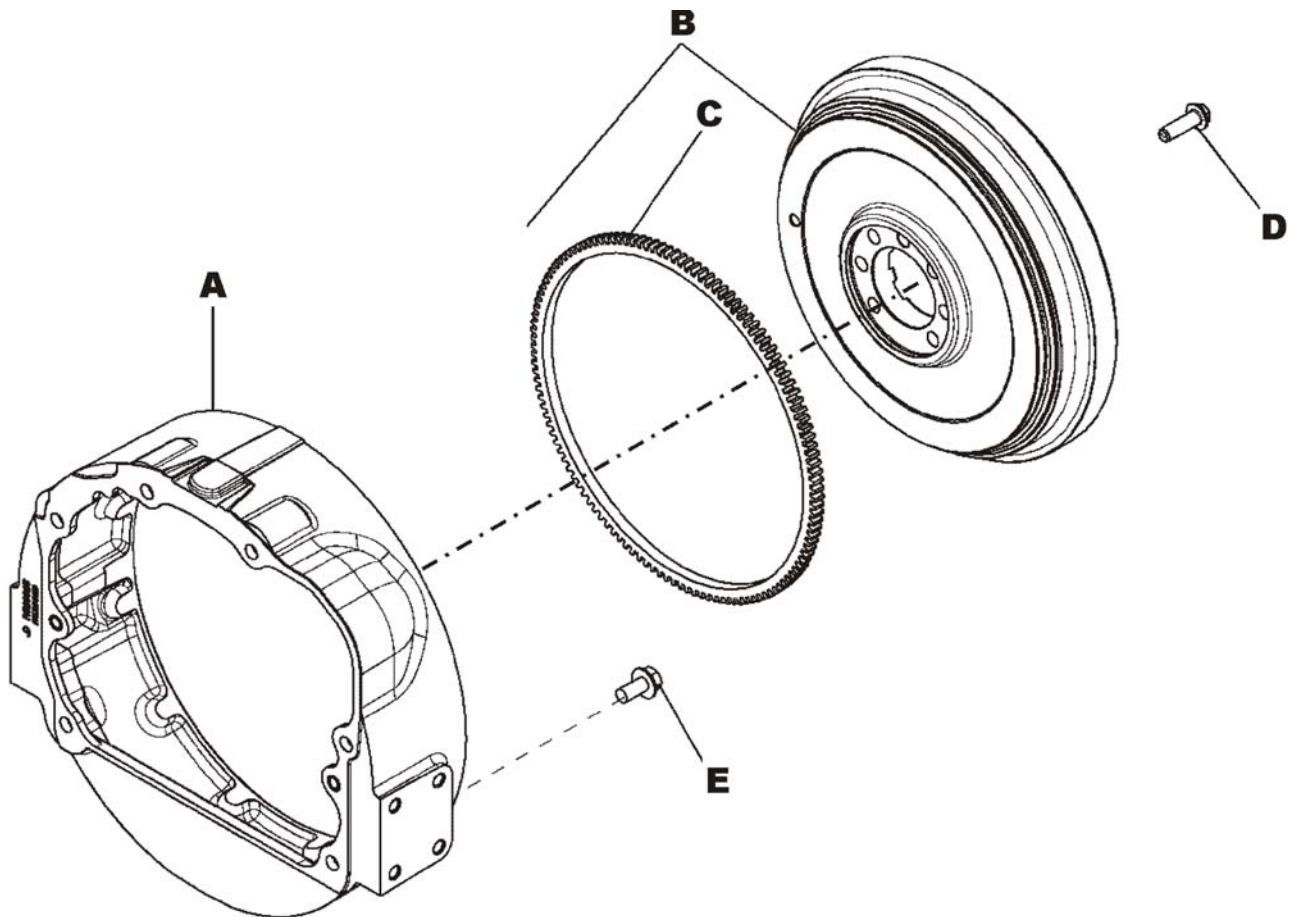
FUEL FILTER



46490686_02/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	18963819	Screw, Hex Flange M08-1.25 X 100	2	
B	36119576	Washer, Flat 8mm	2	
C	46544359	Clamp, Hose	4	
D	46544367	Elbow, 1/4"-18 NPT	2	
E	46544375	Fitting Assembly, Barbed Hose	1	
F	18964601	Plug, Drain	1	
G	18964593	O-Ring	1	
H	22556138	Element, Fuel Filter	1	
J	18966341	Filter Assembly, Fuel	1	
K	46544383	itting, Straight Barbed Hose 1/4"-18 NPT	1	

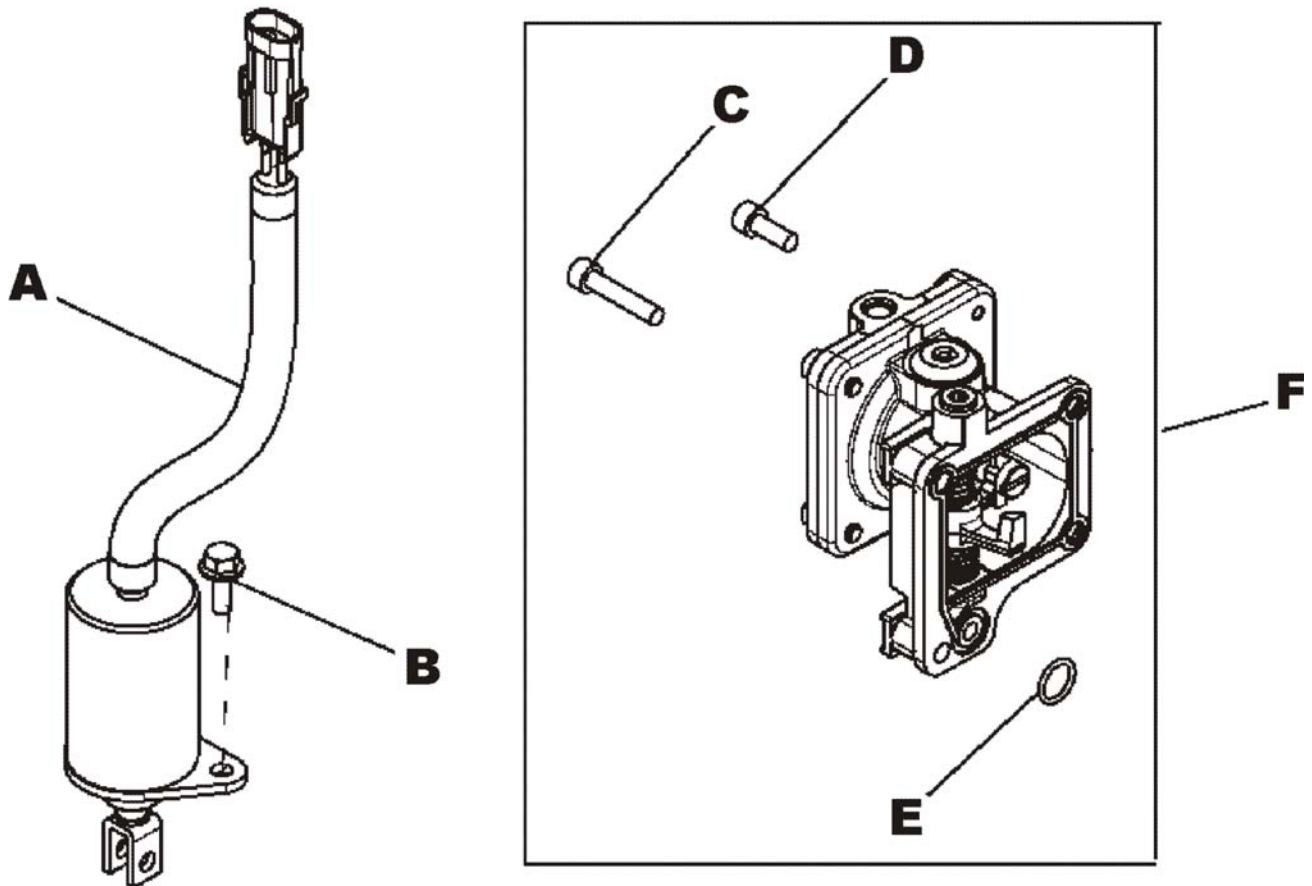
FLYWHEEL HOUSING and FLYWHEEL



46490686_02/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46543963	Housing, Flywheel	1	
B	46543989	Gear Assembly, Flywheel and Ring	1	
C	46543971	Gear, Ring	1	
D	46543997	Screw, Hex Flange M12-1.75 X 38	6	
E	36100881	Screw, Hex Flange M12-1.75 X 25	6	

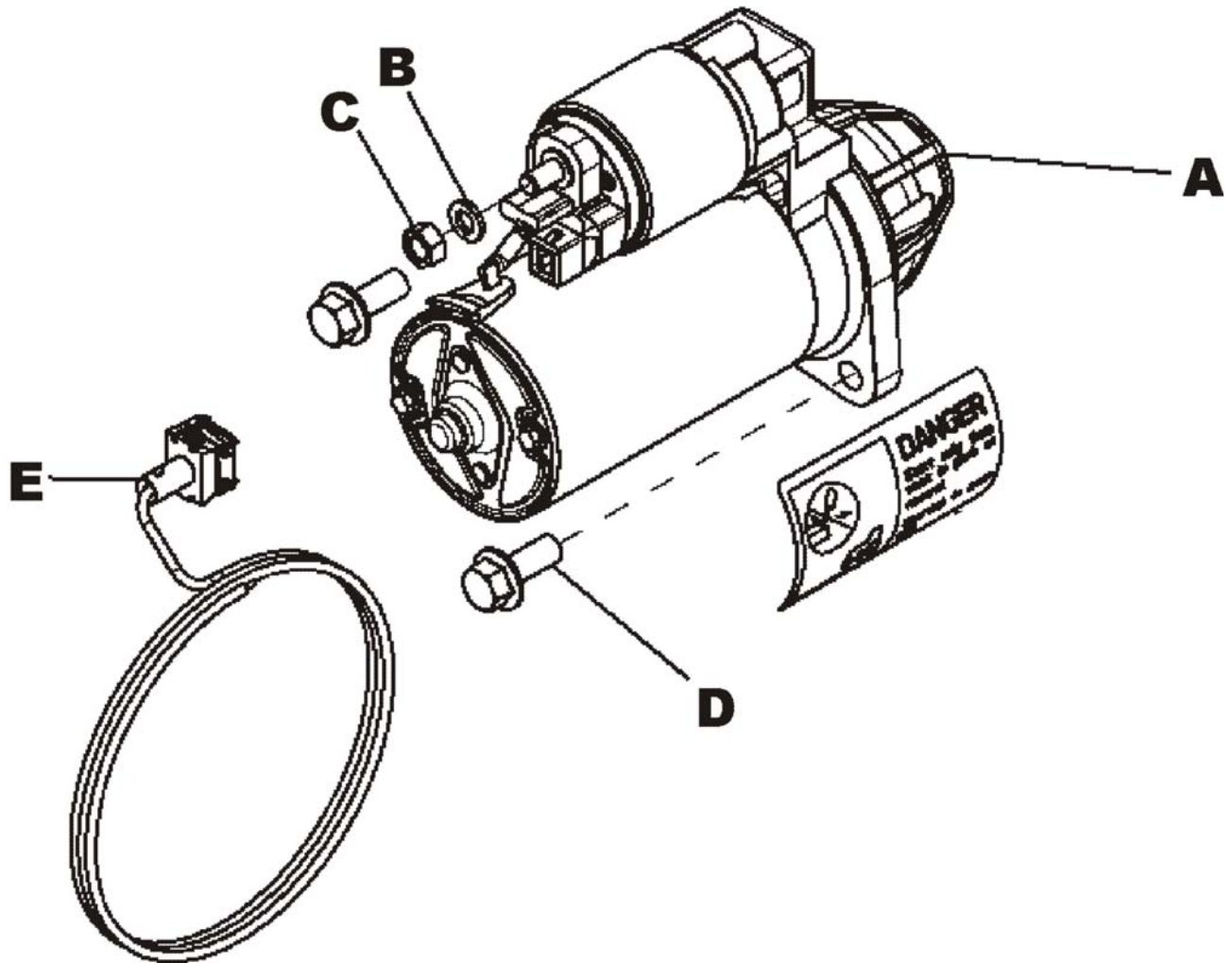
ENGINE ELECTRONICS



46490686_02/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22607758	Solenoid, 12 VDC	1	
B	85470342	Screw, Hex Flange M06-1.0 X 16	2	
C	46544227	Screw, Hex Socket Cap M06-1.0 X 30	2	
D	46544235	Screw, Hex Socket Cap M06-1.0 X 16	2	
E	46544243	O-Ring	1	
F	46544219	Aneroid	1	

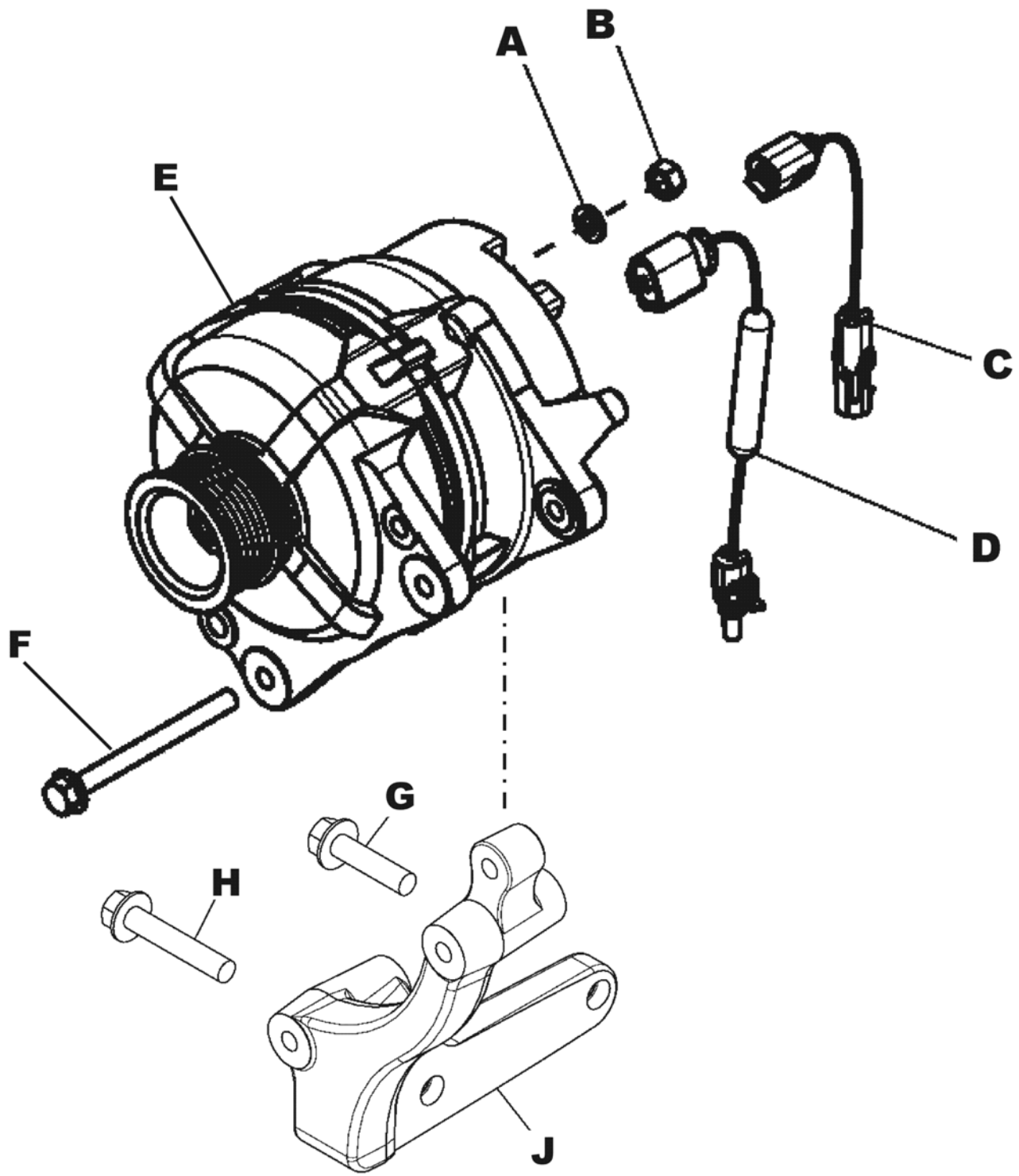
STARTER



46490686_02/09_A

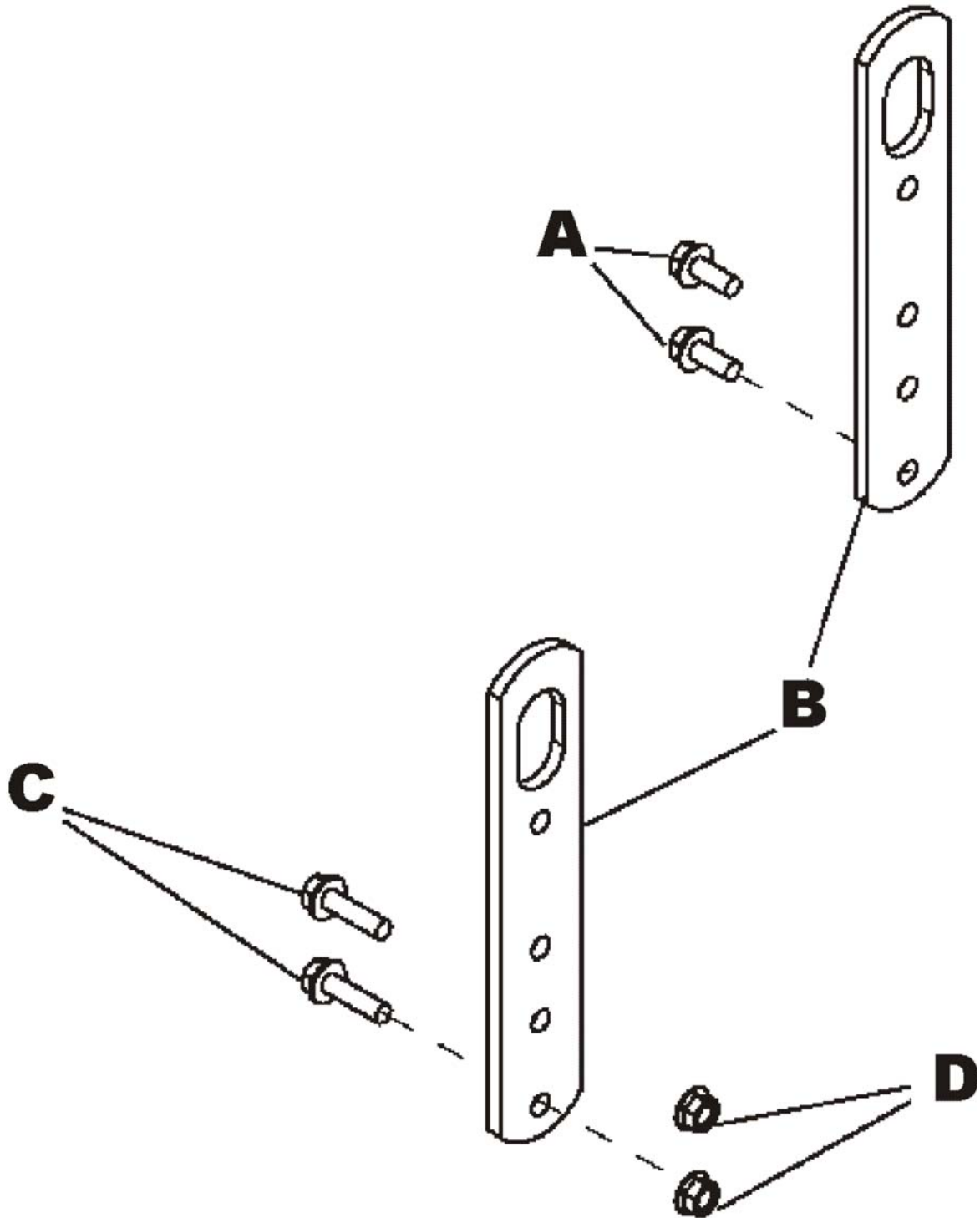
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22607519	Starter	1	
B	36100055	Lockwasher, 8mm	1	
C	36100162	Nut, Hex M08-1.25	1	
D	18969410	Screw, Hex Flange M10-1.5 X 25	2	
E	46544342	Harness, Starter Wiring	1	

ALTERNATOR and MOUNT



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36100055	Lockwasher, 8mm	1	
B	36100162	Nut, Hex M08-1.25	1	
C	18966853	Harness, Alternator Wiring	1	
D	36136380	Harness, Alternator Wiring	1	
E	22607576	Alternator	1	
F	23110968	Screw, Hex Flange M08-1.25 X 90	2	
G	85471787	Screw, Hex Flange M10-1.50 X 40	1	
H	23254956	Screw, Hex Flange M10-1.50 X 55	1	
J	46543724	Bracket, Alternator Mounting	1	

ENGINE LIFT STRAPS



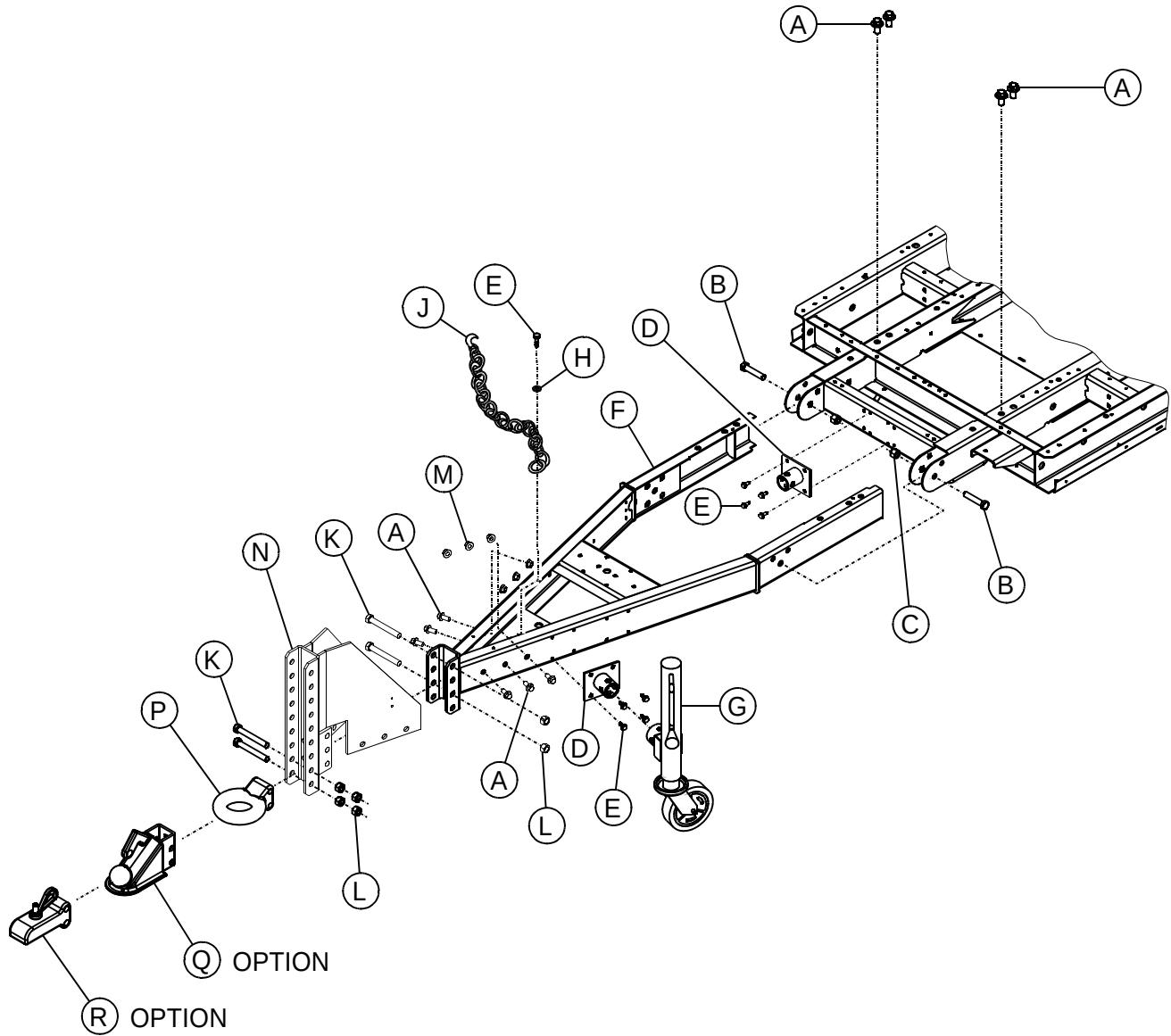
46490686_02/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23110497	Screw,Hex Flange M08-1.25 X 20	2	
B	46544094	Strap, Engine Lift	2	
C	24898926	Screw,Hex Flange M08-1.25 X 30	2	
D	24898801	Nut, Flange M08-1.25	2	



Section D - OPTION PARTS

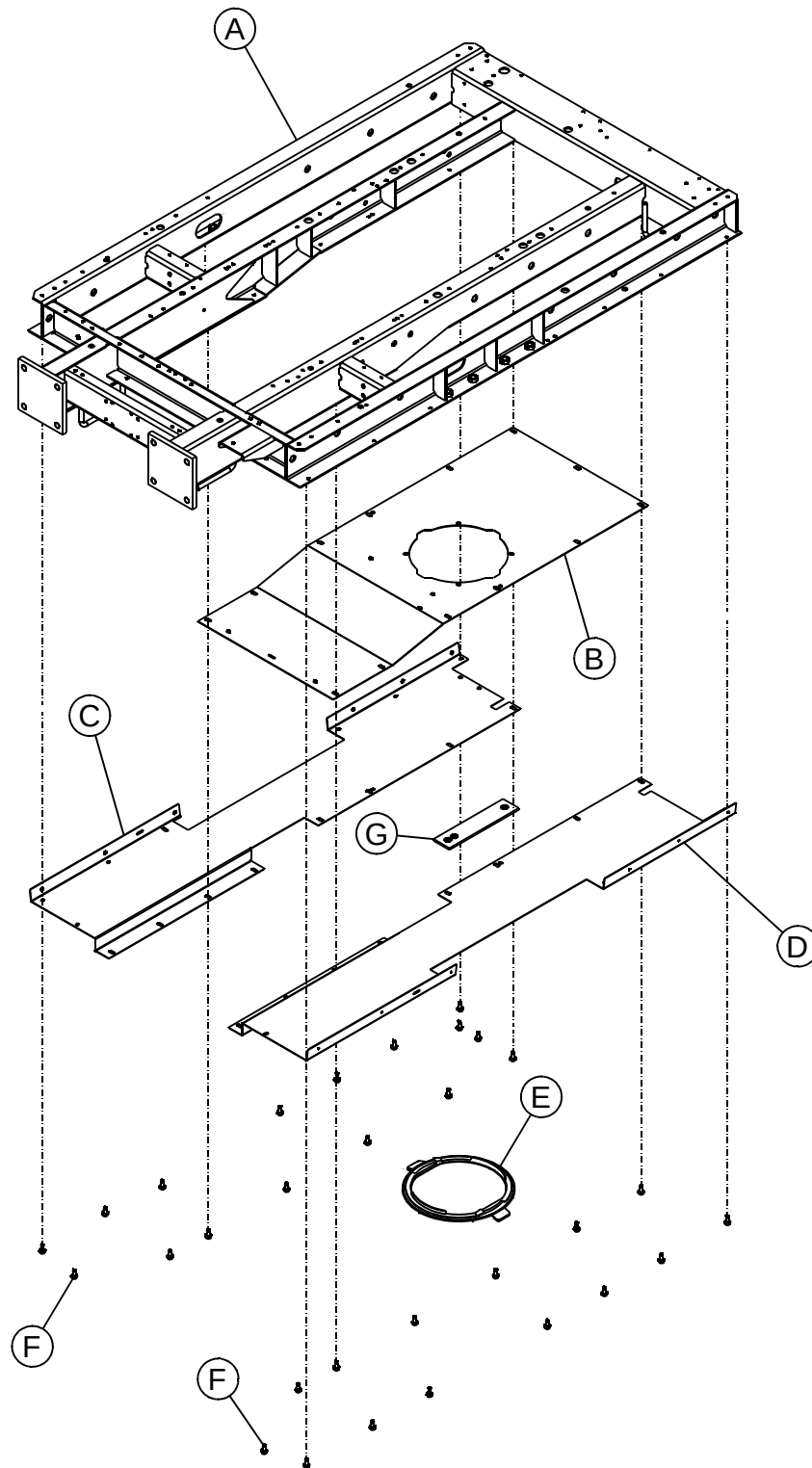
STANDARD DRAWBAR with ADJUSTABLE HEIGHT



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36879492	Screw, Hex Flange M12-1.75 X 25	10	
B	35290113	Screw, Hex M16-2.0 X 75	2	
C	96704630	Nut, Hex Nyloc M16-2.0	2	
D	36796068	Tube, Jack Mounting	2	
E	35279025	Screw, Tapping M08-1.25 X 20	10	
F	36886364SB	Drawbar	1	
G	36888709	Jack Assembly	1	
H	95934907	Washer, Flat	2	
J	22144521	Chain & Hook Assembly	2	
K	35376094	Screw, Hex M16-2.0 X 120	4	
L	96701750	Nut, Hex M16-2.0	6	
M	36879203	Nut, Hex Flange M12-1.75	6	
N	36882660SB	Lunette, Adjustable Height	1	
P	35605187	Eye, Pintel	1	
Q	35370469	Hltch, 2.31" Ball (OPTION)	1	
R	36509073	Hltch, 2.00" Ball (OPTION)	1	

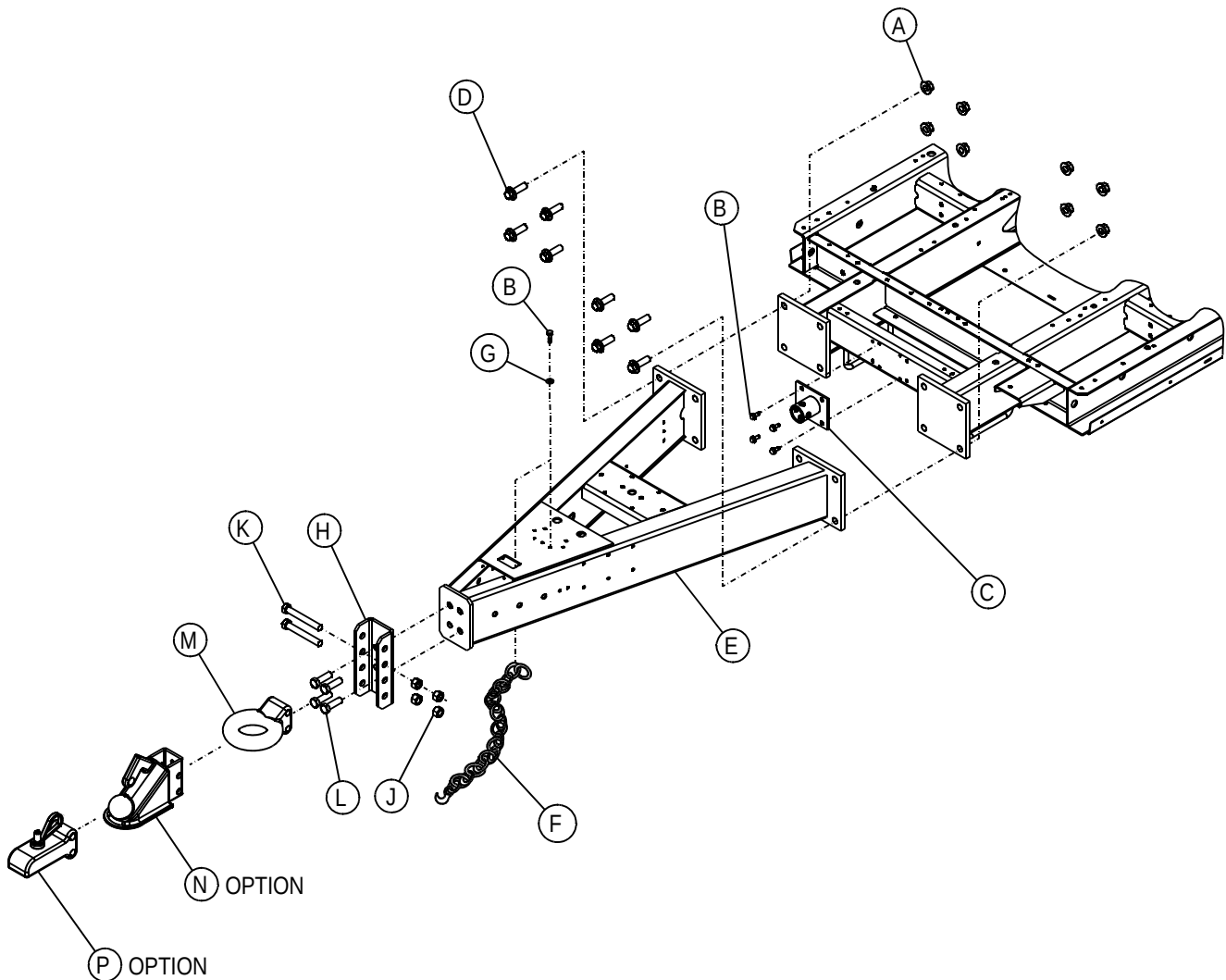
HEAVY DUTY FRAME



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46496758SB	Frame, Heavy Duty	1	
B	46544888GB	Pan, Center Belly	1	
C	46544862GB	Pan, CRBSD Belly	1	
D	46544870GB	Pan, STSD Belly	1	
E	36880623	Cover, Engine Oil Drain	1	
F	35279025	Screw, Tapping M08-1.25 X 20	39	
G	22721195SB	Plate, Spacer	2	

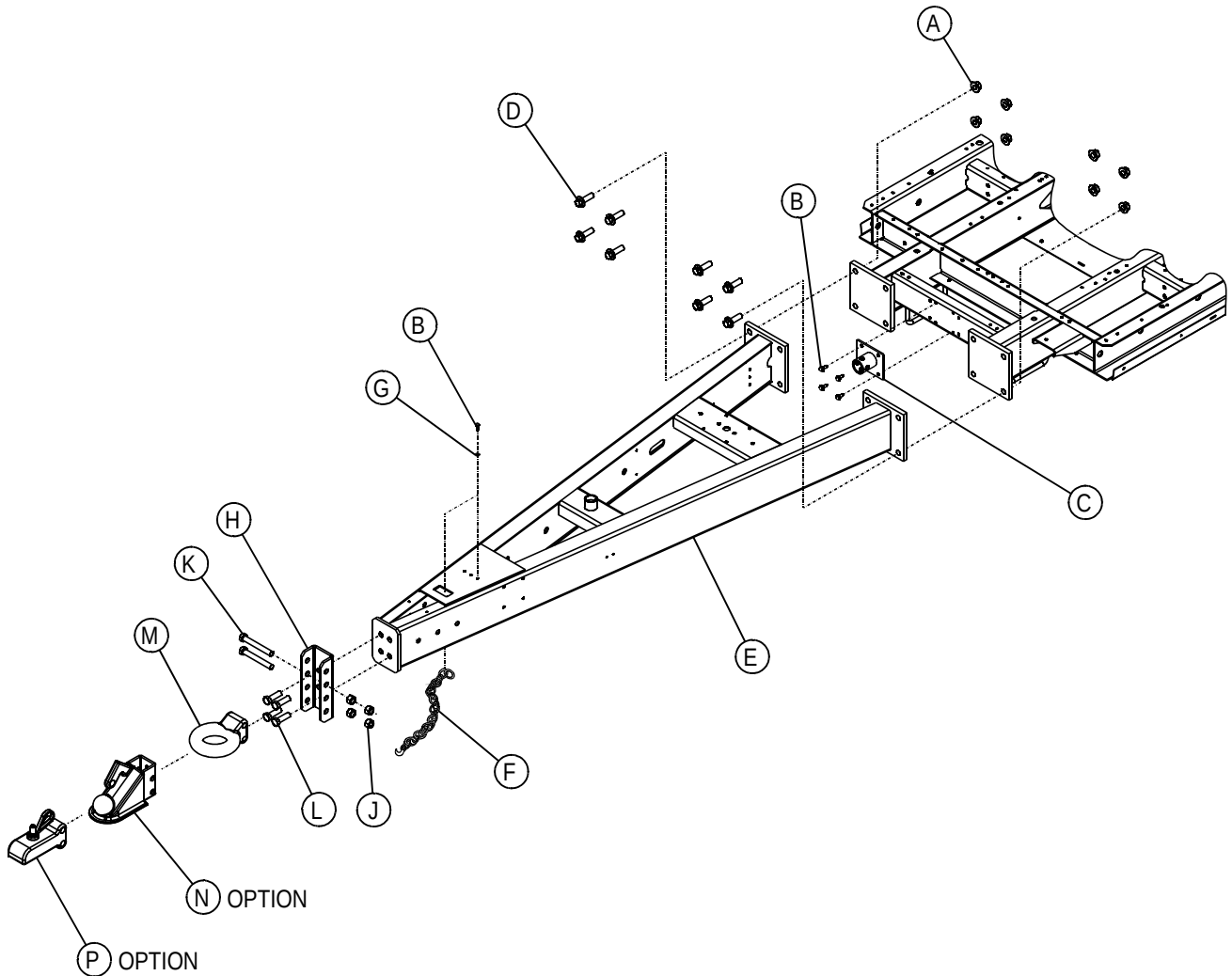
HEAVY DUTY DRAWBAR STANDARD HEIGHT



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36879211	Nut, Hex Flange M16-2.0	8	
B	35279025	Screw, Tapping M08-1.25 X 20	10	
C	36796068	Tube, Jack Mounting	2	
D	36879302	Screw, Hex Flange M16-2.0 X 50	8	
E	23138555SB	Drawbar, Heave Duty Standard Height	1	
F	22144521	Chain & Hook Assembly	2	
G	95934907	Washer, Flat	2	
H	36757284SB	Channel, Pintel Mounting 3 Position	1	
J	96701750	Nut, Hex M16-2.0	6	
K	35376094	Screw, Hex M16-2.0 X 120	4	
L	39179072	Screw, Hex M16 -2.0 X 50	4	
M	35605187	Eye, Pintel	1	
N	35370469	Hltch, 2.31" Ball (OPTION)	1	
P	36509073	Hltch, 2.00" Ball (OPTION)	1	

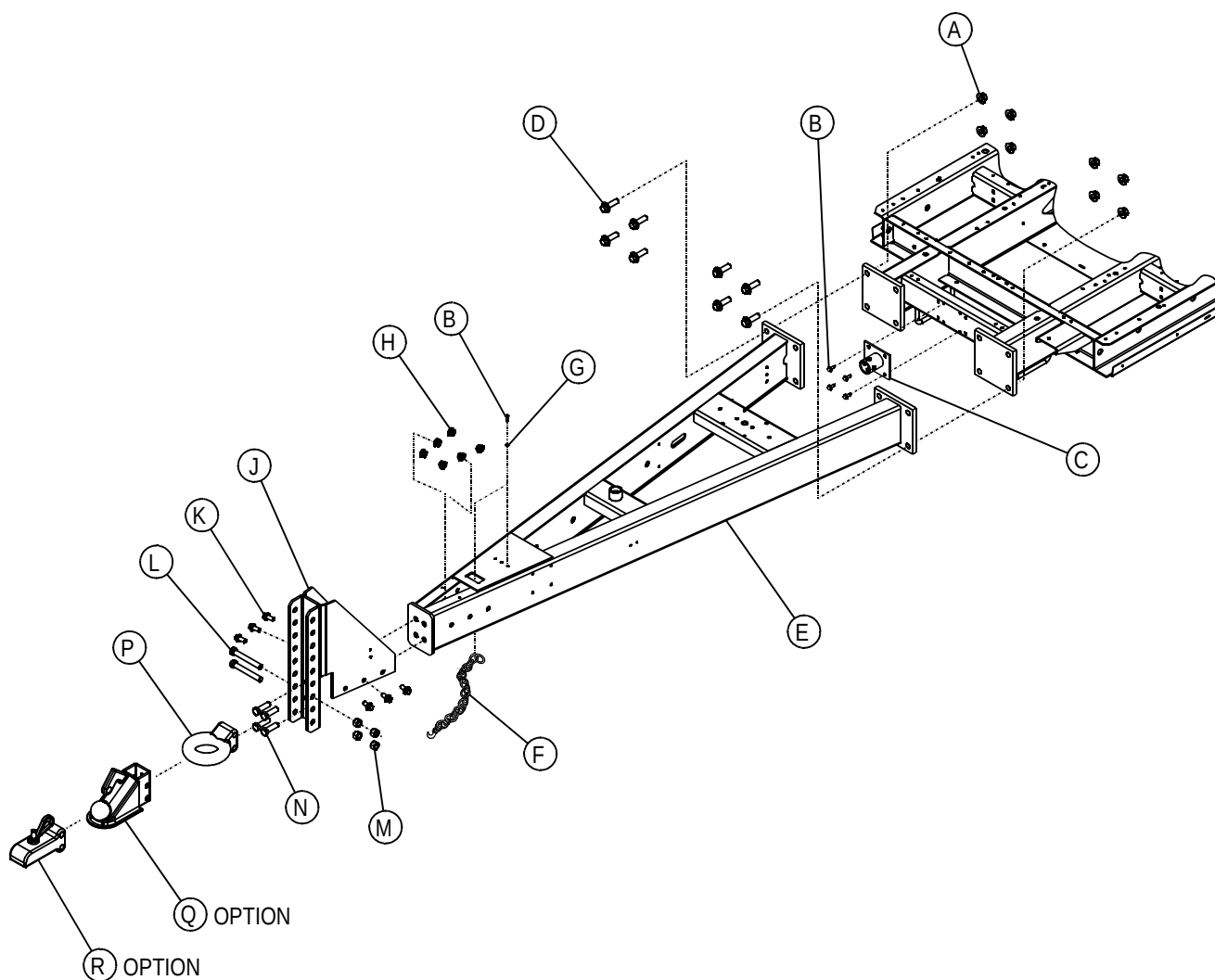
HEAVY DUTY EXTENDED DRAWBAR STANDARD HEIGHT



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36879211	Nut, Hex Flange M16-2.0	8	
B	35279025	Screw, Tapping M08-1.25 X 20	10	
C	36796068	Tube, Jack Mounting	2	
D	36879302	Screw, Hex Flange M16-2.0 X 50	8	
E	23138548SB	Drawbar, Heavy Duty Extended Standard Height	1	
F	22144521	Chain & Hook Assembly	2	
G	95934907	Washer, Flat	2	
H	36757284SB	Channel, Pintel Mounting 3 Position	1	
J	96701750	Nut, Hex M16-2.0	6	
K	35376094	Screw, Hex M16-2.0 X 120	4	
L	39179072	Screw, Hex M16 -2.0 X 50	4	
M	35605187	Eye, Pintel	1	
N	35370469	Hitch, 2.31" Ball (OPTION)	1	
P	36509073	Hitch, 2.00" Ball (OPTION)	1	

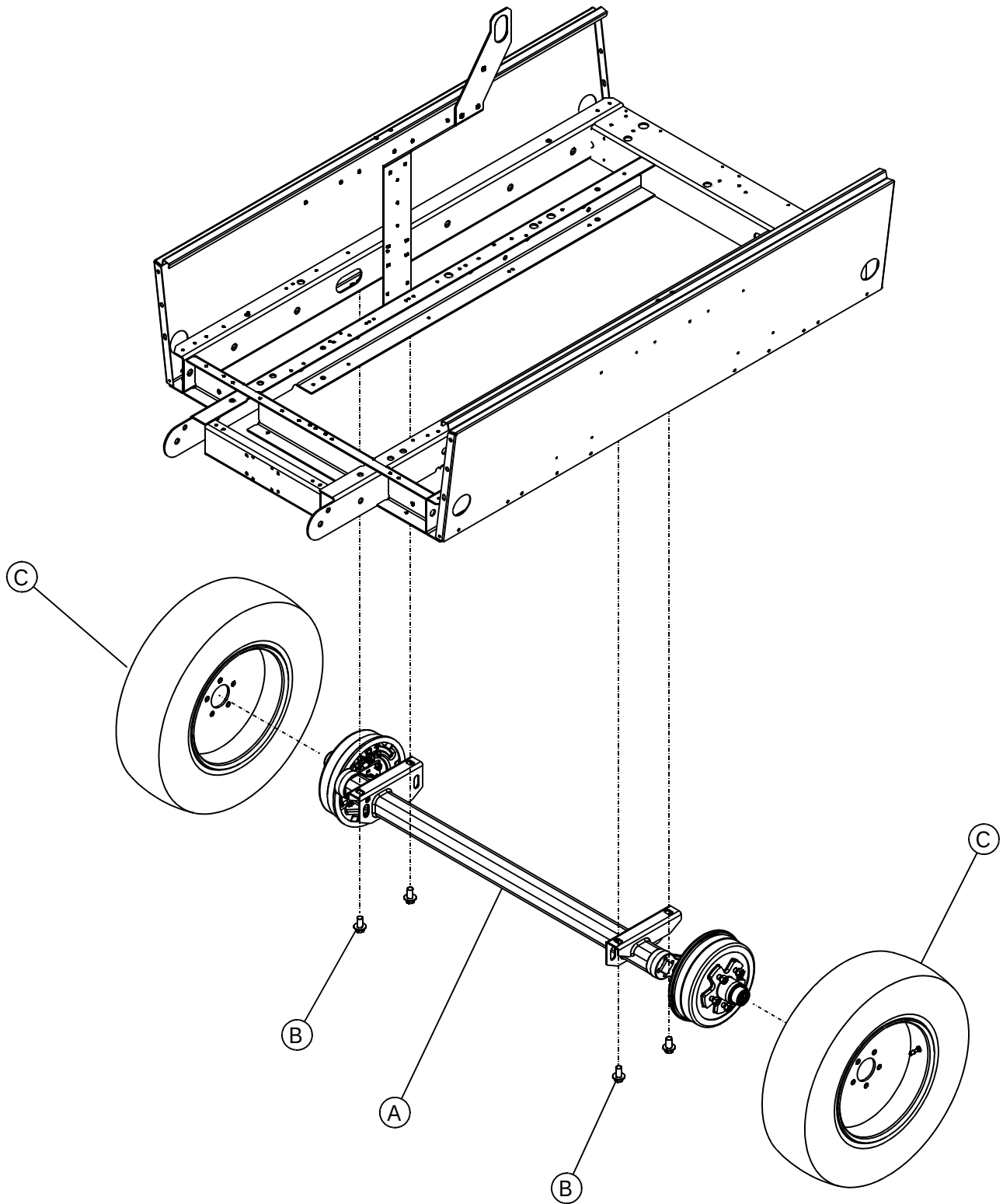
HEAVY DUTY EXTENDED DRAWBAR ADJUSTABLE HEIGHT



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36879211	Nut, Hex Flange M16-2.0	8	
B	35279025	Screw, Tapping M08-1.25 X 20	10	
C	36796068	Tube, Jack Mounting	2	
D	36879302	Screw, Hex Flange M16-2.0 X 50	8	
E	23138548SB	Drawbar, Heavy Duty Extended Standard Height	1	
F	22144521	Chain & Hook Assembly	2	
G	95934907	Washer, Flat	2	
H	36879203	Nut, Hex Flange M12-1.75	6	
J	36882652SB	Lunette, Adjustable Height	1	
K	36879492	Screw, Hex Flange M12-1.75 X 25	6	
L	35376094	Screw, Hex M16-2.0 X 120	4	
M	96701750	Nut, Hex M16-2.0	6	
N	39179072	Screw, Hex M16 -2.0 X 50	4	
P	35605187	Eye, Pintel	1	
Q	35370469	Hltch, 2.31" Ball (OPTION)	1	
R	36509073	Hltch, 2.00" Ball (OPTION)	1	

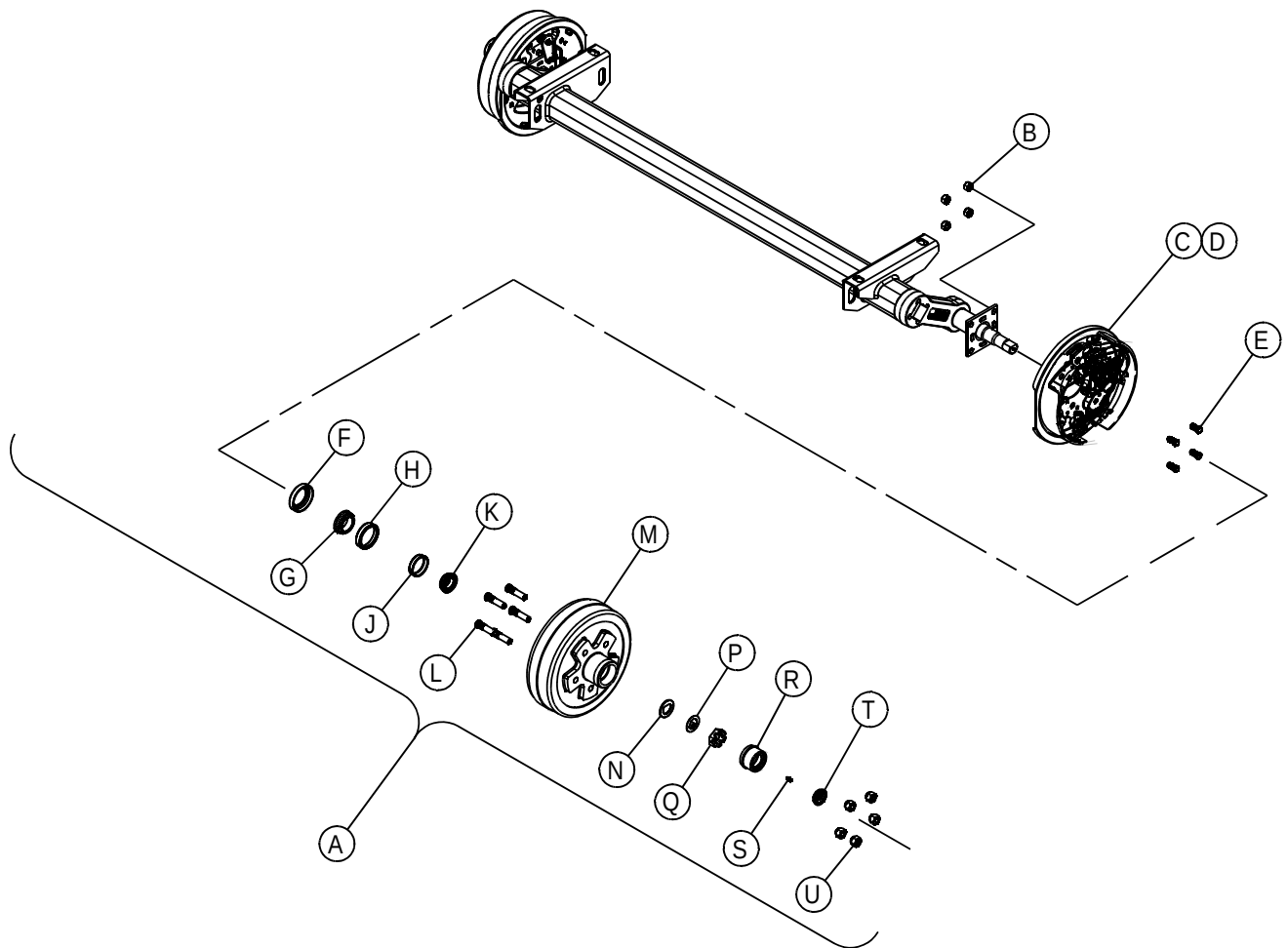
AXLE ELECTRIC BRAKE MOUNT



46490686_07/09_A

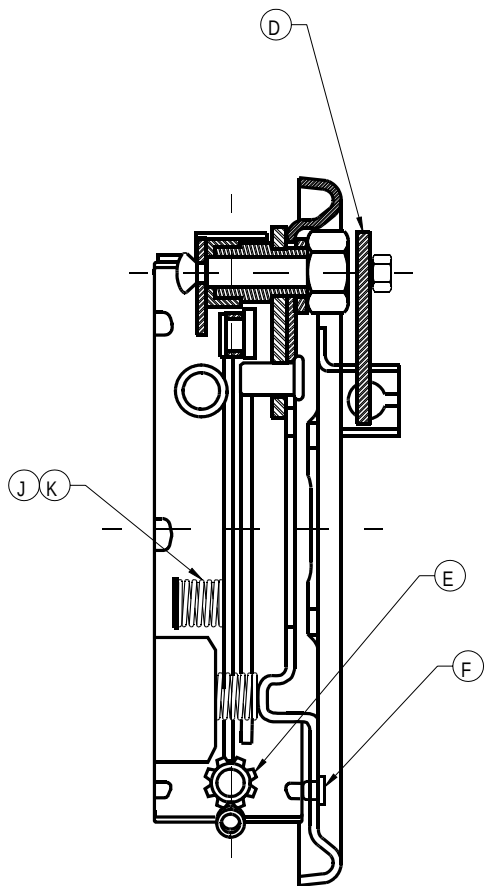
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22892657	Running Gear, EZ-Lube Electric Brakes	1	
B	96747142	Screw, Hex Flange M16-2.0 X 30	4	
C	36073559	Tire and Wheel, ST205/75D15C	2	
	36074938	Tire and Wheel, ST225/75D15D	2	
	35046275	Tire and Wheel, P215/75R15B	2	
	36043818	Tire and Wheel, ST225/75R15D	2	

AXLE ELECTRIC BRAKE

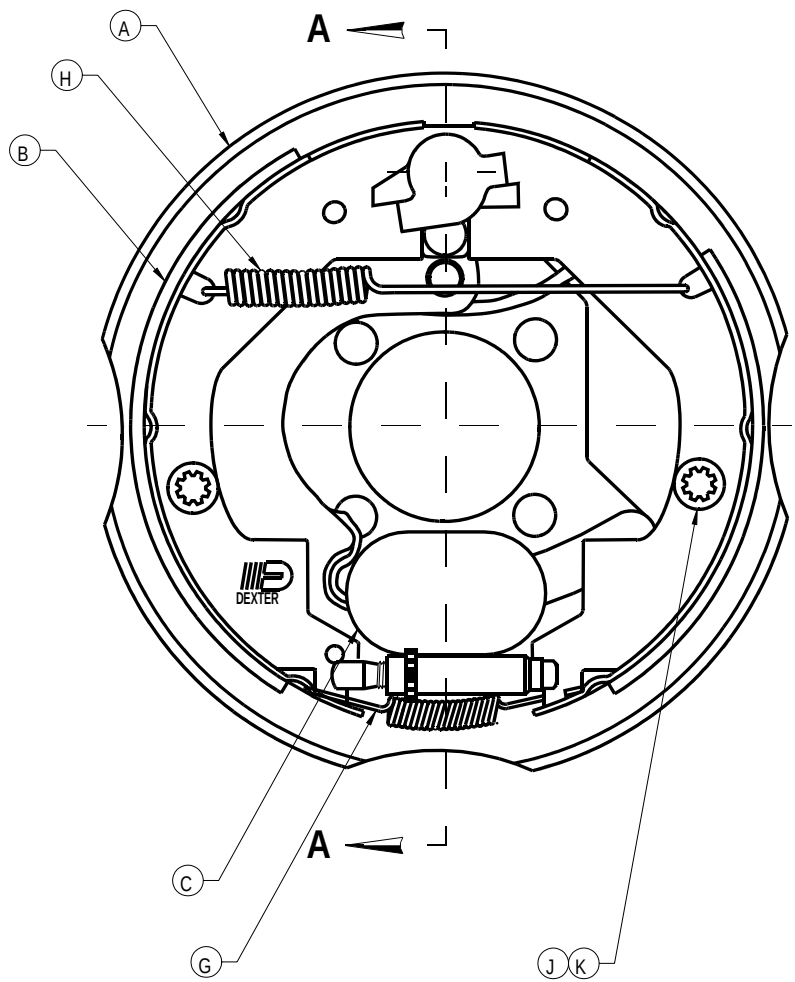


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22892657	Running Gear, EZ-Lube Electric Brakes	1	
B	35391630	Nut, Brake Mounting	8	
C	35391176	Brake, RH Electric w/ Park	1	
D	35391168	Brake, LH Electric w/ Park	1	
E	35391648	Screw, Brake Mounting	8	
F	35391101	Seal, EZ-Lube Grease	2	
G	35361864	Cone, Inner Bearing	2	
H	35361872	Cup, Inner Bearing	2	
J	35315183	Cup, Outer Bearing	2	
K	35385191	Cone, Outer Bearing	2	
L	22464648	Stud, Wheel	10	
M	35391119	Hub & Drum with Studs and Cups	2	
N	22805436	Washer, Spindle	2	
P	22805444	Washer, Tang	2	
Q	35315217	Nut, Spindle	2	
R	46543682	Fitting, Zerk	2	
S	35391127	Cap, EZ Lube Dust	2	
T	35391135	Plug, EZ Lube Dust	2	
U	35315274	Nut, Wheel	10	

ELECTRIC BRAKE SHOE

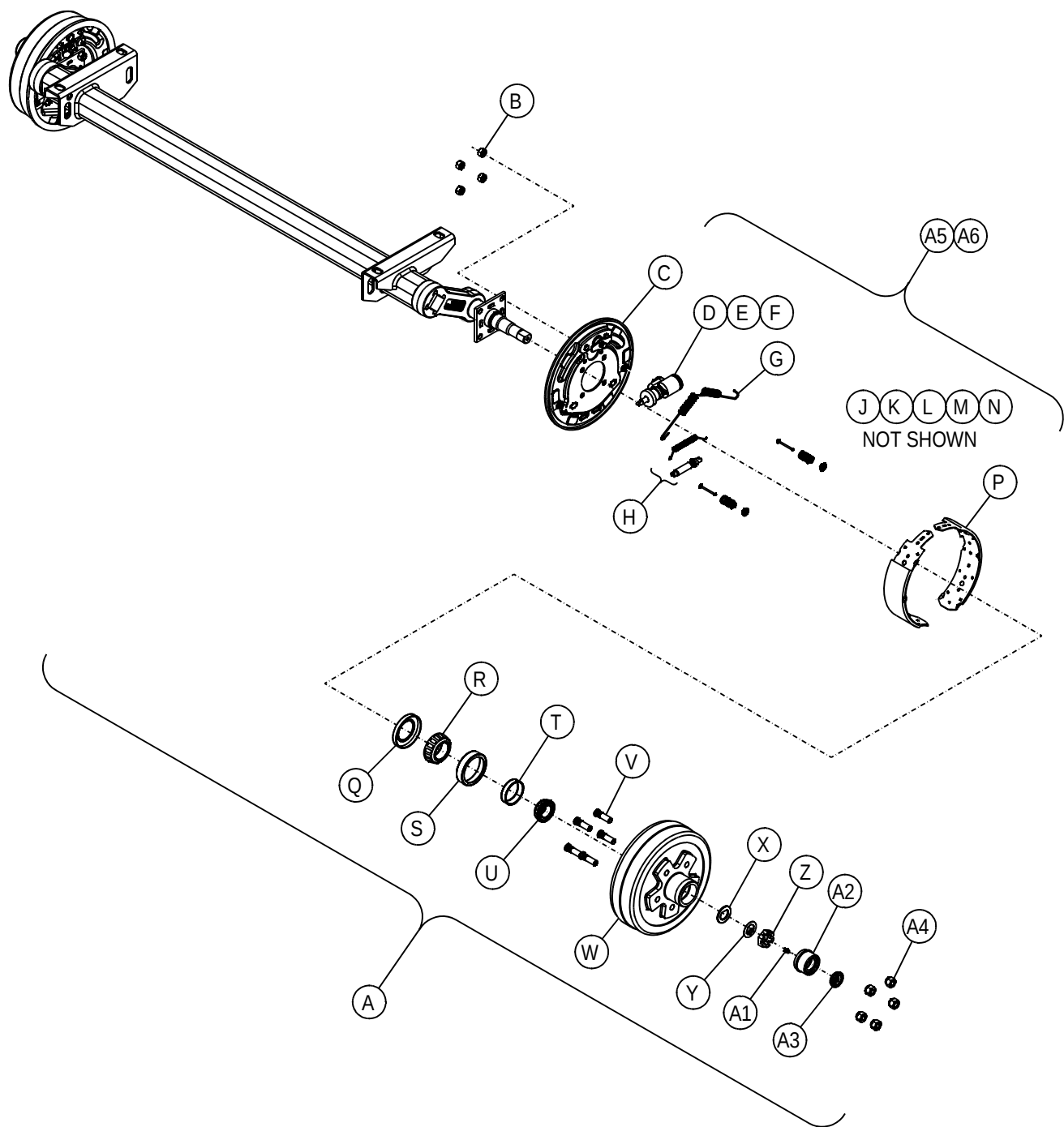


SECTION A - A



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35391184	Plate Assembly, LH Back	1	
B	35391192	Plate Assembly, RH Back	1	
C	35391333	Kit, Brake Shoe	2	
D	35391309	Kit, Magnet	2	
E	35391267	Lever, Parking Brake	2	
F	35391366	Screw Assembly, Adjusting	2	
G	35391416	Plug, Adjusting Slot	2	
H	35391374	Spring, Adjusting	2	
J	35391358	Spring, Retractor	2	
K	35391382	Spring, Shoe Hold Down	4	
L	35391390	Pin, Shoe Hold Down	4	
M	35391226	Lever Kit, LH Actuating	1	
N	35391234	Lever Kit, RH Actuating	1	
P				
Q				

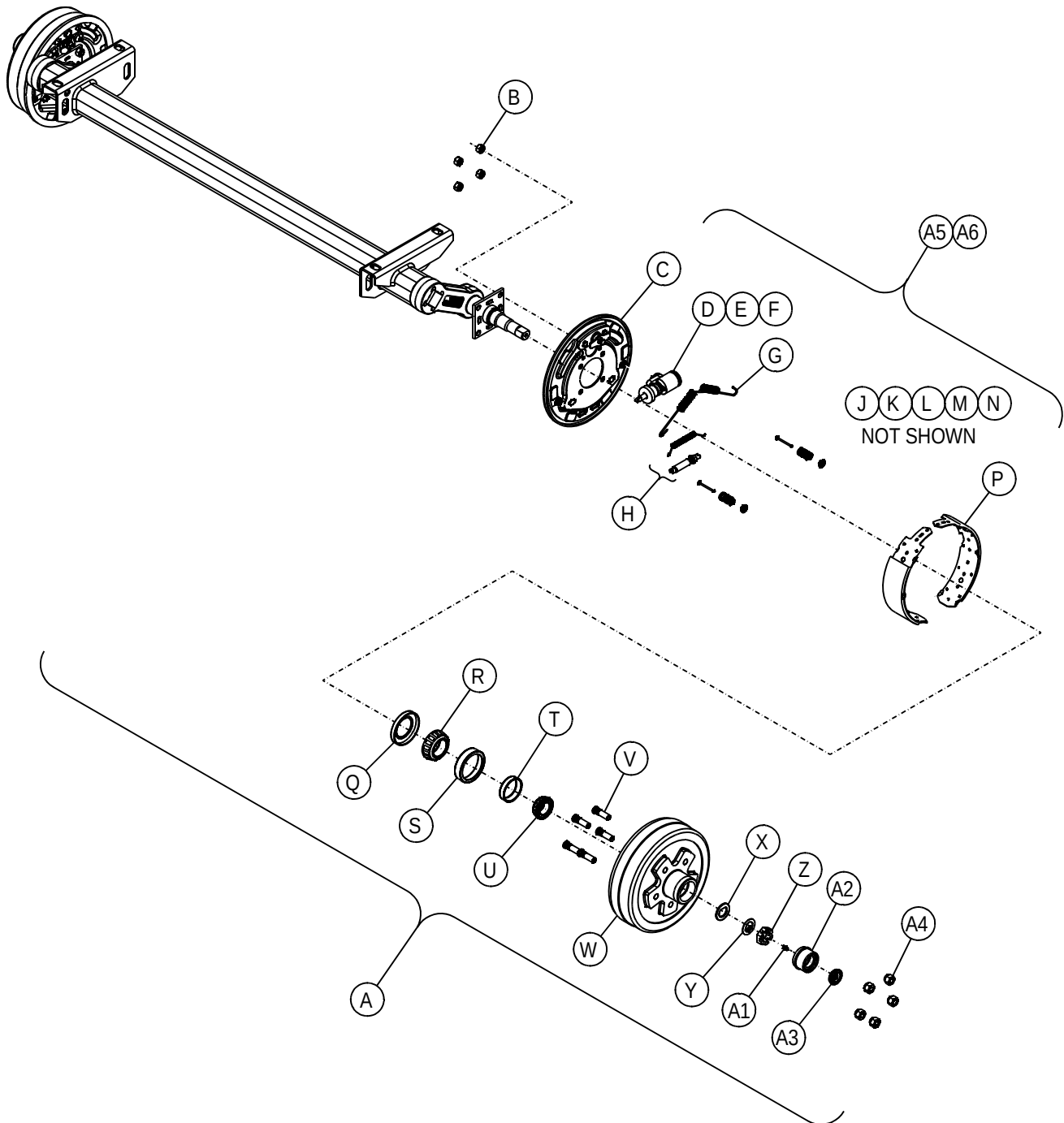
AXLE HYDRAULIC with BRAKES



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22892632	Axle, Hydraulic Brake	1	
B	35391630	Nut, Brake Mount Hex	8	
C	46543435	Plate, Back	2	
D	46543526	Kit, RH Wheel Cylinder	1	
E	46543534	Kit, LH Wheel Cylinder	1	
F	46543500	Kit, Wheel Cylinder Repair	AR	
G	46543542	Kit, Spring (Includes all Springs)	1	
H	46543518	Kit, Adjusting Screw	2	
J	46543476,	Link, RH Toggle	1	
K	46543484,	Link, LH Toggle	1	
L	46543450	Lever, RH Parking Brake	1	
M	46543468	Lever, LH Parking Brake	1	
N	46543443	Lever, Shoe	2	
P	46543492	Kit, Shoe Lining	2	
Q	35391101	Seal, Grease	2	
R	35361864	Cone, Inner Bearing	2	
S	35361872	Cup, Inner Bearing	2	
T	35315183	Cup, Outer Bearing	2	
U	35315191	Cone, Outer Bearing	2	
V	22464648	Stud, Wheel	10	
W	35391119	Hub & Drum with Studs	2	
X	35315217	Washer, Spindle	2	
Y	22805444	Washer, Tang	2	
Z	35315274	Nut, Spindle	2	
A1	46543682	Fitting, Zerk 1/4"-28	2	
A2	35391127	Cap, EZ Lube Dust	2	
A3	35391135	Plug, EZ Lube Dust	2	
A4	35315274	Nut, Wheel	10	
A5	36867596	Brake Assembly, LH Hydraulic	1	
A6	36867604	Brake Assembly, RH Hydraulic	1	

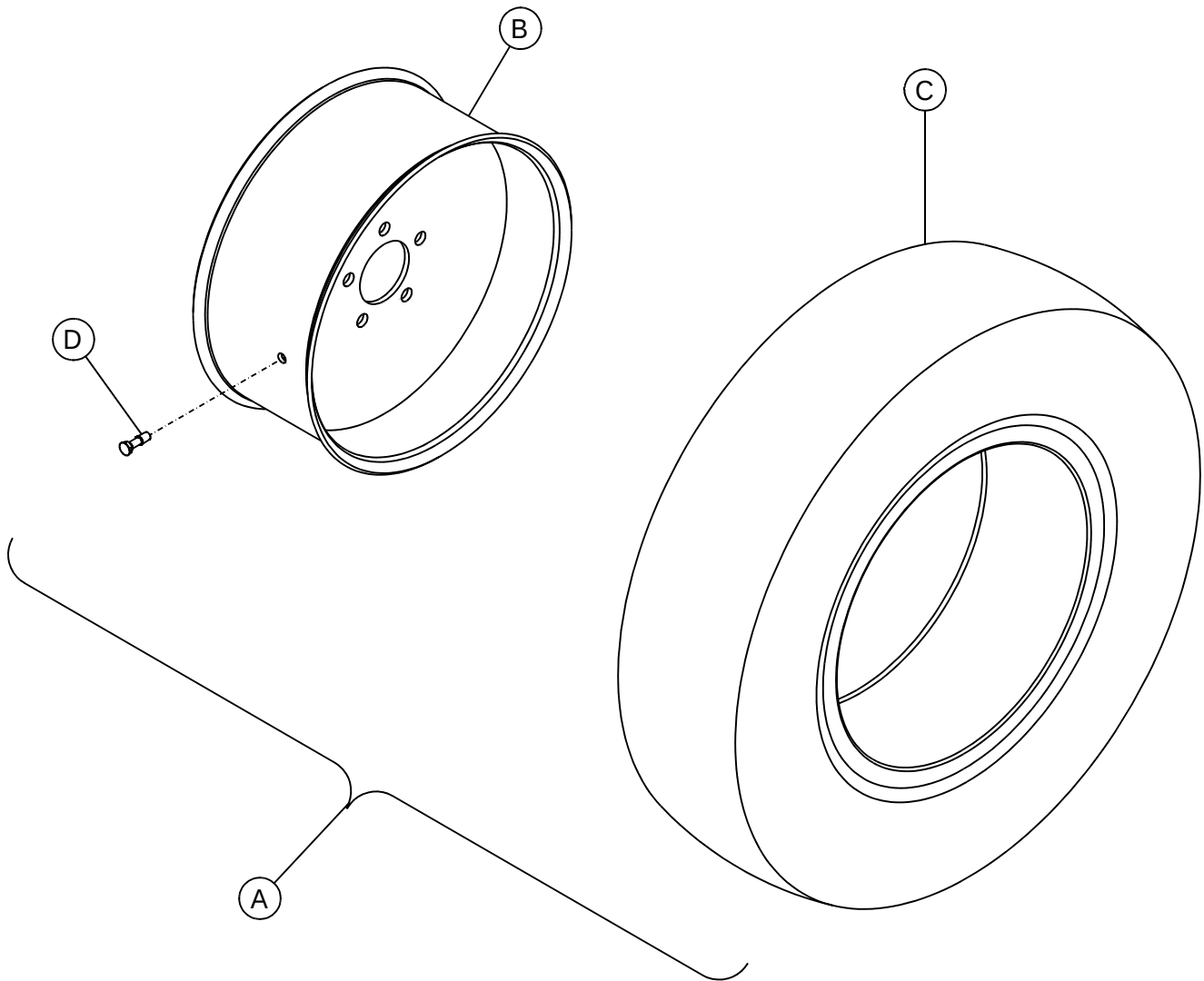
AXLE HD HYDRAULIC BRAKE MOUNT



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22892632	Axle, Hydraulic Brake	1	
B	35391630	Nut, Brake Mount Hex	8	
C	46543435	Plate, Back	2	
D	46543526	Kit, RH Wheel Cylinder	1	
E	46543534	Kit,LH Wheel Cylinder	1	
F	46543500	Kit, Wheel Cylinder Repair	AR	
G	46543542	Kit, Spring (Includes all Springs)	1	
H	46543518	Kit, Adjusting Screw	2	
J	46543476,	Link, RH Toggle	1	
K	46543484,	Link, LH Toggle	1	
L	46543450	Lever, RH Parking Brake	1	
M	46543468	Lever, LH Parking Brake	1	
N	46543443	Lever, Shoe	2	
P	46543492	Kit, Shoe Lining	2	
Q	35391101	Seal, Grease	2	
R	35361864	Cone, Inner Bearing	2	
S	35361872	Cup, Inner Bearing	2	
T	35315183	Cup, Outer Bearing	2	
U	35315191	Cone, Outer Bearing	2	
V	22464648	Stud, Wheel	10	
W	35391119	Hub & Drum with Studs	2	
X	22805436	Washer, Spindle	2	
Y	22805444	Washer, Tang	2	
Z	35315274	Nut, Spindle	2	
A1	46543682	Fitting, Zerk 1/4"-28	2	
A2	35391127	Cap, EZ Lube Dust	2	
A3	35391135	Plug, EZ Lube Dust	2	
A4	35315274	Nut, Wheel	10	
A5	36867596	Brake Assembly, LH Hydraulic	1	
A6	36867604	Brake Assembly, RH Hydraulic	1	

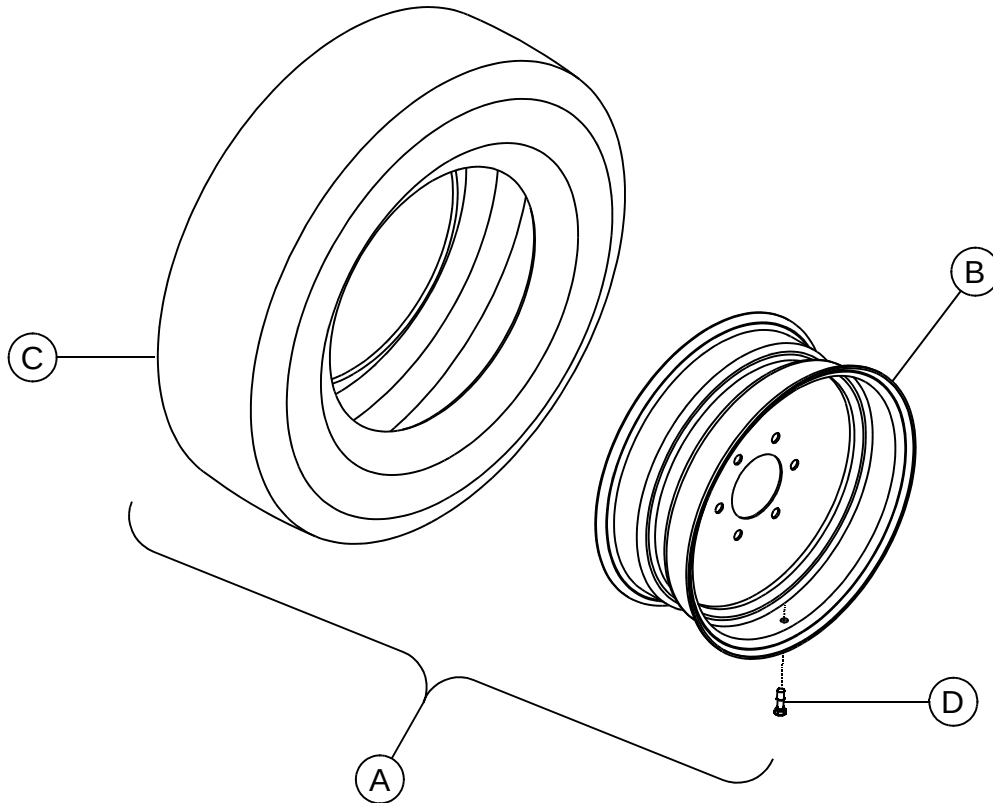
TIRE and WHEEL



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36073559	Tire and Wheel, ST205/75D15C	1	
	36074938	Tire and Wheel, ST225/75D15D	1	
	35046275	Tire and Wheel, P215/75R15B	1	
	36043818	Tire and Wheel, ST225/75R15D	1	
B	35277706	Wheel, 15 X 6	1	
C	22246276	Tire, ST205/75D15C	1	
	22253041	Tire, ST225/75D15D	1	
	35291988	Tire, P215/75R15B	1	
	36846319	Tire, ST225/75R15D	1	
D	35282565	Stem, Valve	1	

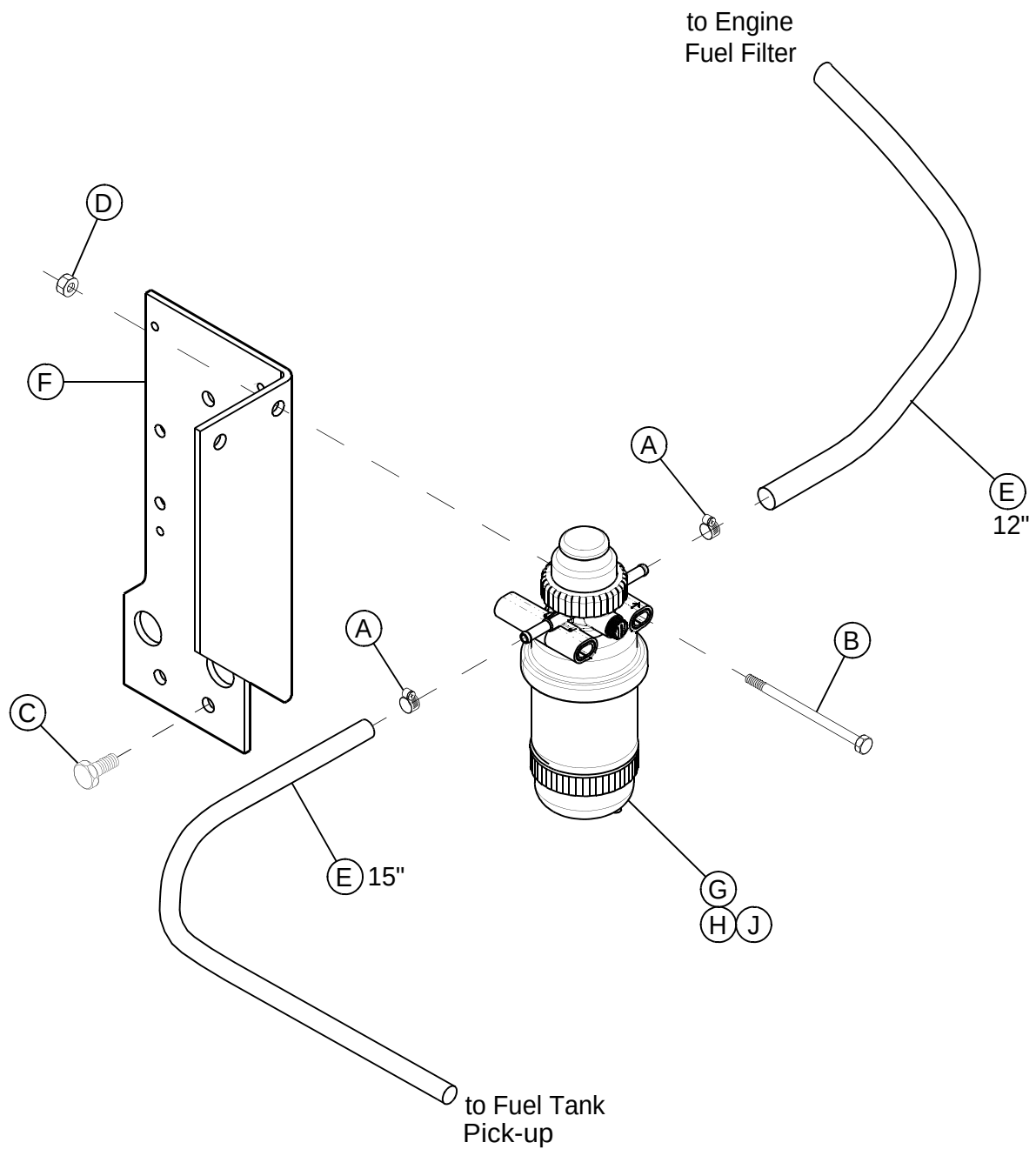
6 LUG TIRE and WHEEL



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36073864	Tire and Wheel, ST225/75D15D BIAS	1	
	36026268	Tire and Wheel, ST225/75D15D	1	
B	35318757	Wheel, 15 X 6 6 ON 5.50	1	
C	22253041	Tire, ST225/75D15D BIAS	1	
	36846319	Tire, ST225/75R15D	1	
D	35282565	Stem, Valve	1	

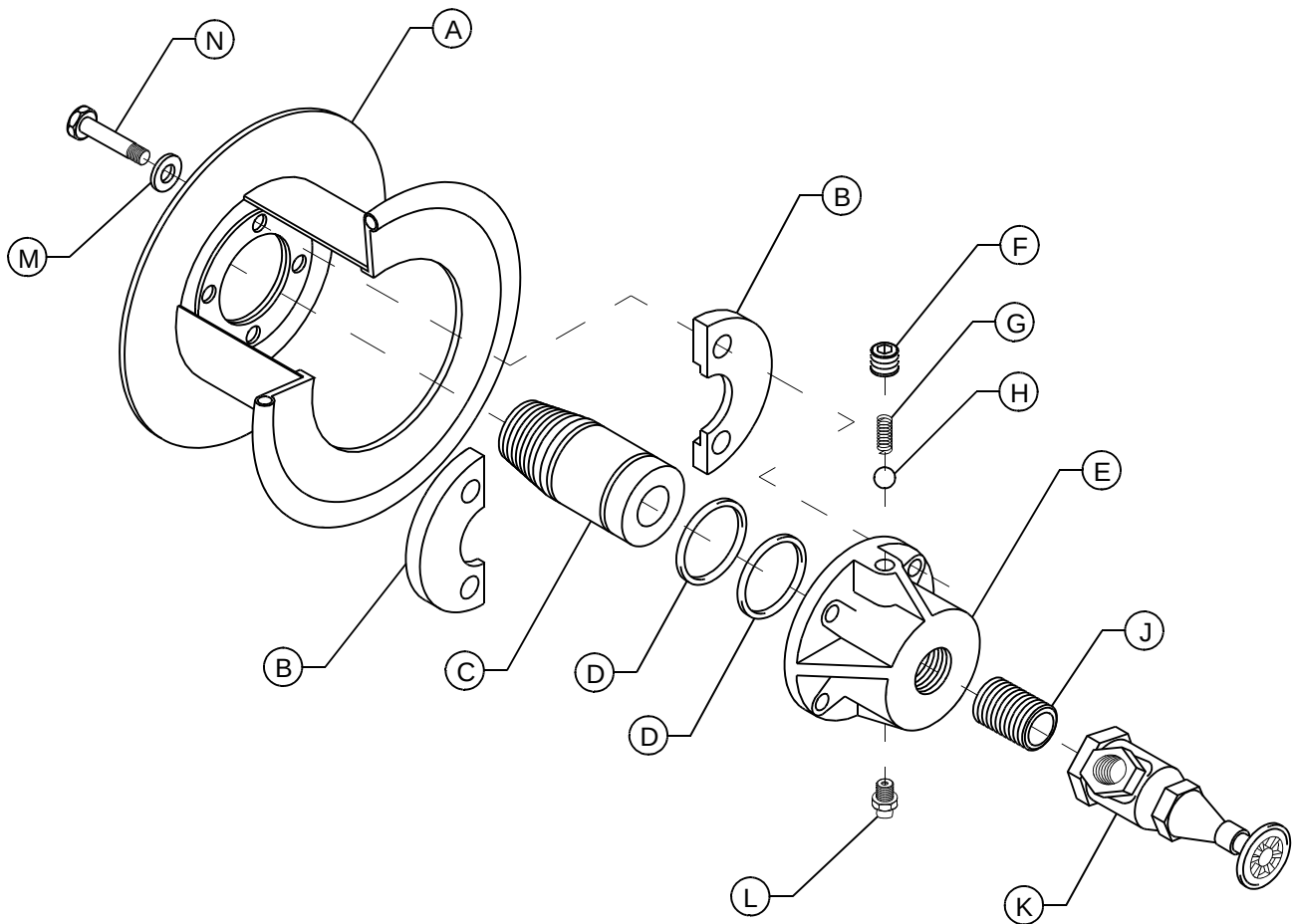
FUEL/WATER SEPARATOR MOUNT



46490686_10/09_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35296342	Clamp, Worm Gear	2	See Lengths Above
B	96726435	Screw, Hex M08-1.25 X 100	2	
C	35279025	Screw, Tapping M08-1.25 X 20	2	
D	36881886	Nut, Hex Flange M08-1.25	2	
E	35363498	Hose, 5/16" Fuel	~	
F	36883890SB	Bracket, Fuel / Ether	1	
G	22926745	Filter, Fuel/Water Separator	1	
H	22926737	Element, Fuel Filter	AR	
J	22532386	Bowl, Fuel Filter	AR	

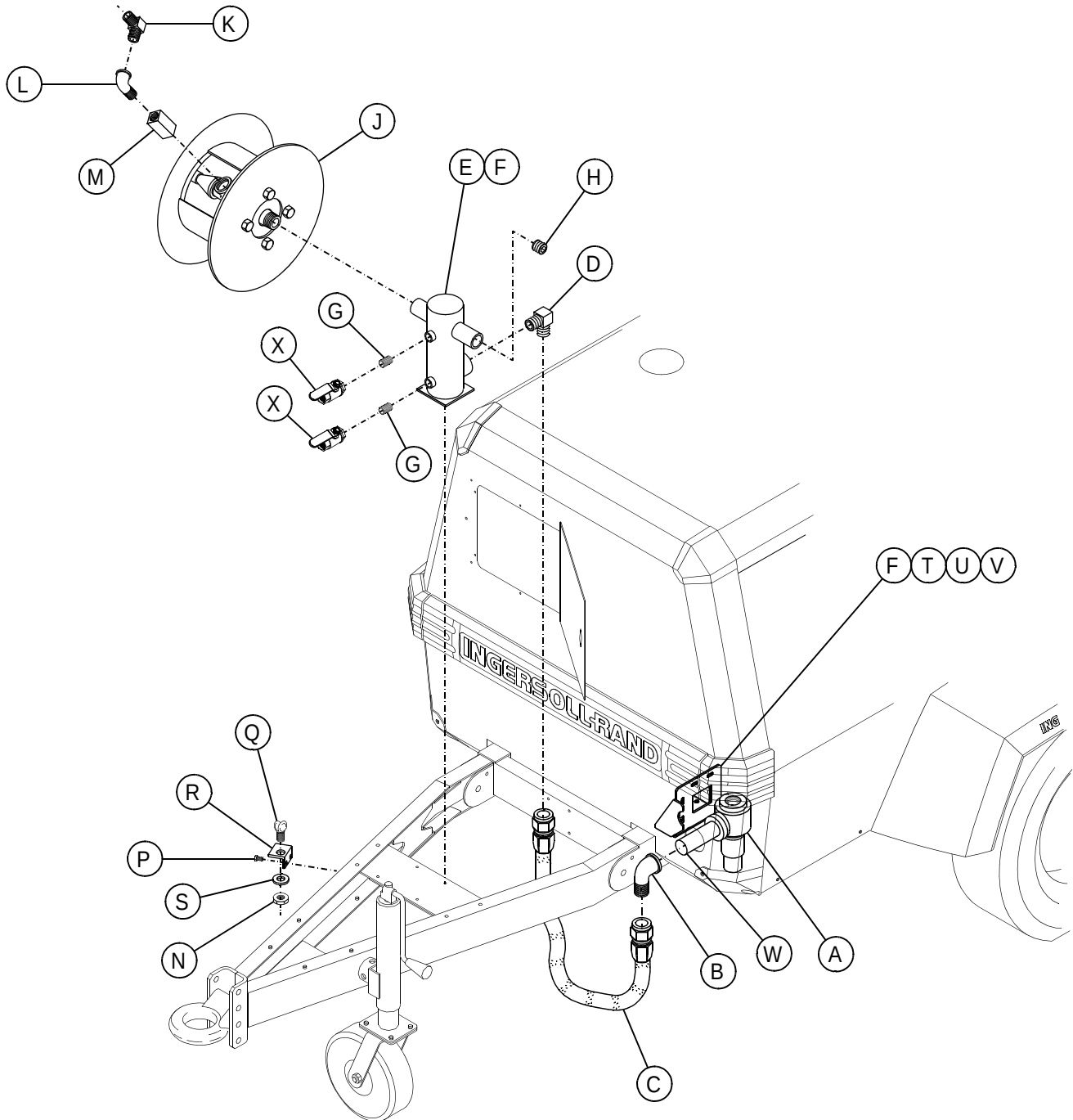
HOSE REEL ASSEMBLY



46490686_10/09_A

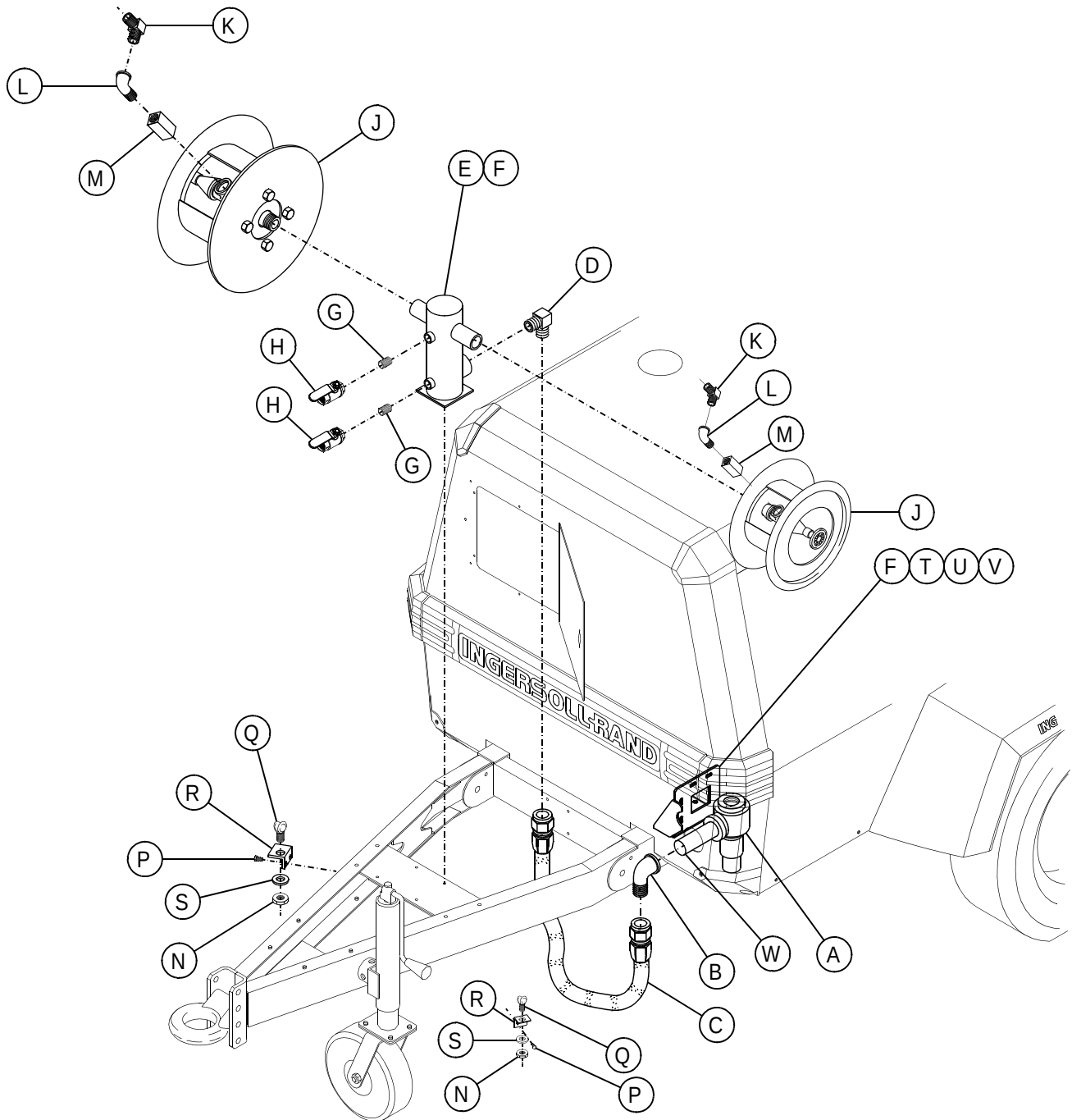
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22600944GB	Reel, Hose	1	
B	36765188	Cover, Bearing	2	
C	46545240	Shaft, Bearing	1	
D	95358297	O-Ring, 1.625" X .18	2	
E	46546289	Bearing, Hose Reel	1	
F	95928222	Plug, Hex Countersink 3/8" NPT	1	
G	90671242	Spring, Ball Retard	1	
H	35221902	Ball, Retard	1	
J	95928040	Nipple, Close 3/4" NPT X 1.38"	1	
K	95072971	Valve, Globe	1	
L	35221894	Fitting, 1/8" Lube	1	
M	95937413	Washer, 3/8" Lock	4	
N	95934584	Screw, Hex 3/8"-16 X 1.50"	4	

SINGLE HOSE REEL



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36776219	Valve, Minimum Pressure Check	1	
B	95286530	Elbow, 90° 1.25" NPTF X -26 JIC	1	
C	35117480	Hose Assembly, -20 X 33"	1	
D	95219861	Elbow, 90° 1.25" NPT X -26 JIC	1	
E	36755460SB	Manifold, Hose Reel	1	
F	35279025	Screw, Tapping M08-1.25 X 20	6	
G	95928040	Nipple, Close 3/4" NPT X 1.38"	2	
H	95928248	Plug, Hex Countersink 1-1/4"	1	
J	22600944GB	Reel, Hose	1	
K	95928198	Elbow, 45° Street 3/4" NPT	1	
L	95928172	Elbow, 90° Street 3/4" NPT	1	
M	35364397	Valve, OSHA Check	1	
N	35153972	Cap, Hose Lock	2	
P	92368687	Screw, Tapping M06-1.0 X 14	2	
Q	35221910	Lock, Coupling Hose	1	
R	35296748GB	Bracket, Hose Reel Lock	1	
S	95928321	Washer, Flat 7/8"	2	
T	46496451SB	Bracket, Service Pipe	1	
U	35189885	U-Bolt, 1/4"-20 X 1.94" dia.	2	
V	35144492	Nut, Hex Lock M08-1.25	4	
W	95944542	Nipple, Long 1.25" X 7"	1	
X	35576115	Valve, Ball 3/4"NPT	2	

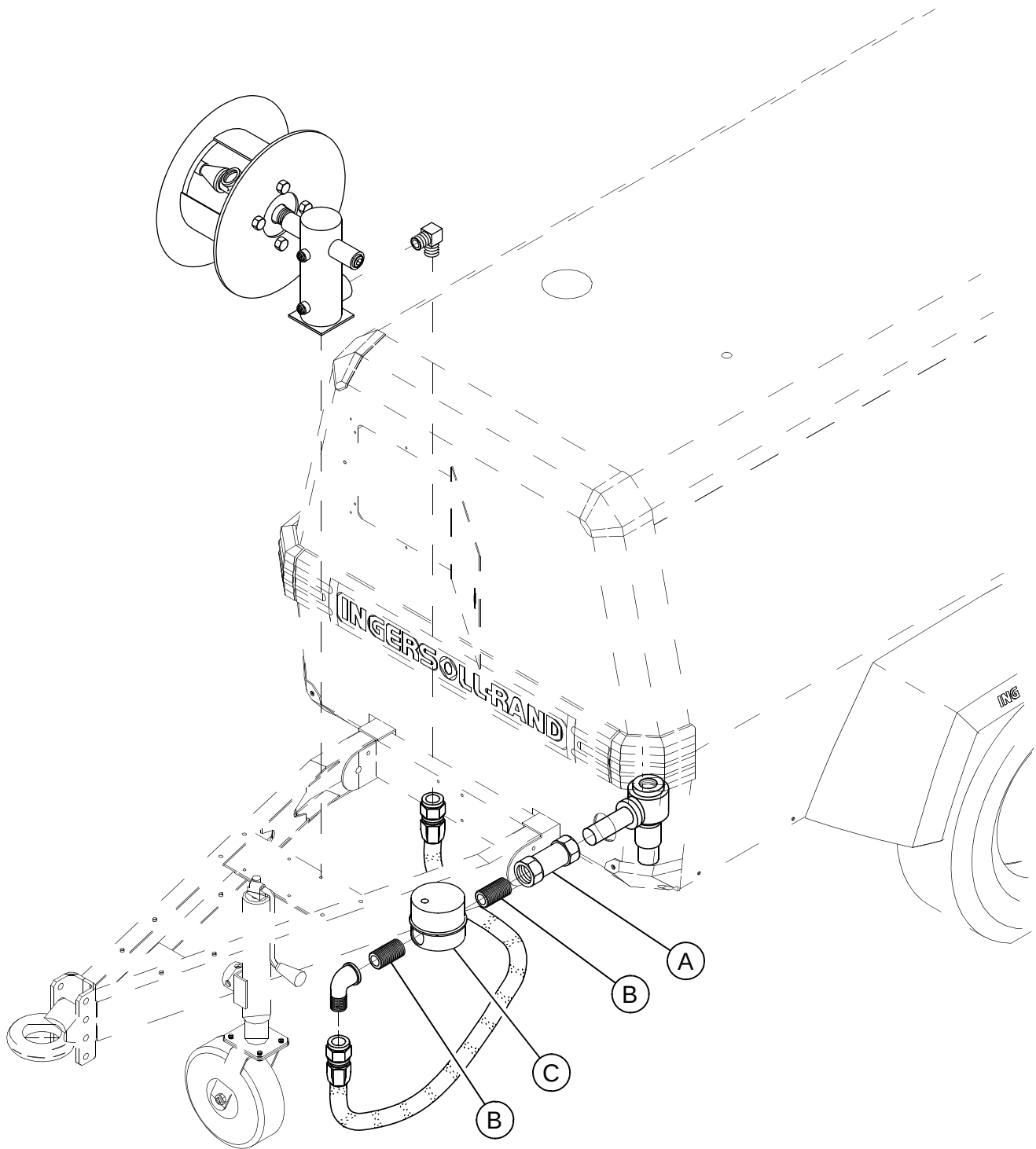
DOUBLE HOSE REEL



46490686_10/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36776219	Valve, Minimum Pressure Check	1	
B	95286530	Elbow, 90° 1.25" NPTF X -26 JIC	1	
C	35117480	Hose Assembly, -20 X 33"	1	
D	95219861	Elbow, 90° 1.25" NPT X -26 JIC	1	
E	36755460SB	Manifold, Hose Reel	1	
F	35279025	Screw, Tapping M08-1.25 X 20	6	
G	95928040	Nipple, Close 3/4" NPT X 1.38"	2	
H	35576115	Valve, Ball 3/4"NPT	2	
J	22600944GB	Reel, Hose	2	
K	95928198	Elbow, 45° Street 3/4" NPT	2	
L	95928172	Elbow, 90° Street 3/4" NPT	2	
M	35364397	Valve, OSHA Check	2	
N	35153972	Cap, Hose Lock	4	
P	92368687	Screw, Tapping M06-1.0 X 14	2	
Q	35221910	Lock, Coupling Hose	2	
R	35296748GB	Bracket, Hose Reel Lock	2	
S	95928321	Washer, Flat 7/8"	1	
T	46496451SB	Bracket, Service Pipe	2	
U	35189885	U-Bolt, 1/4"-20 X 1.94" dia.	2	
V	35144492	Nut, Hex Lock M08-1.25	4	
W	95944542	Nipple, Long 1.25" X 7"	1	

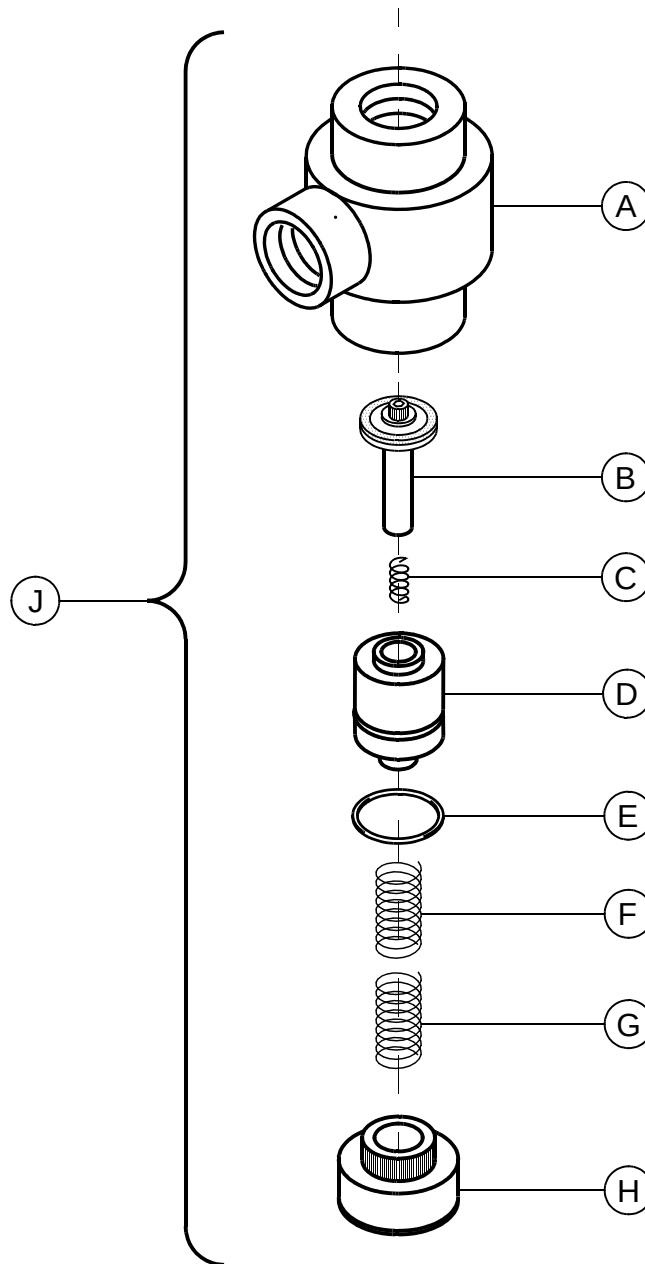
HOSE REEL OILER



46490686_10/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95941373	Union, 1-1/4" NPT	1	
B	95953600	Nipple, 1-1/4" X 2"	2	
C	35255025	Lubricator, 1 qt.	1	
	35356252	Lubricator, 2 qt.	1	

VALVE, MINIMUM PRESSURE



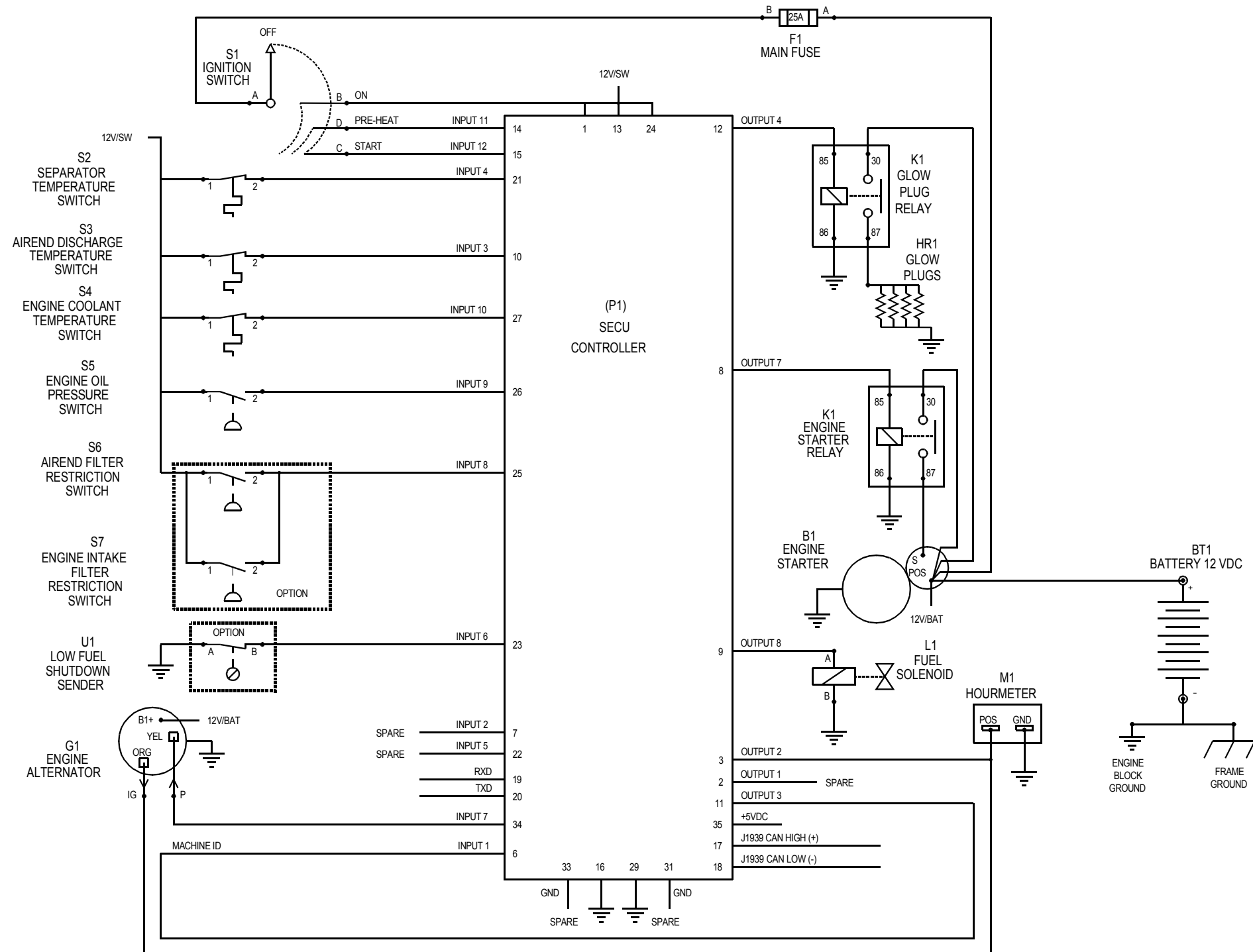
46490686_10/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35382621	Body, Minimum Pressure Valve	1	
B	35382639	CV Assembly	1	
C	35382662	Spring, CV Assembly	1	
D	35382647	Piston	1	
E	35382654	O-Ring, Minimum Pressure Valve	1	
F	35382670	Spring, Piston	1	
G	35389055	Spring, Minimum Pressure Valve	1	
H	35382688	Cap, Minimum Pressure Valve	1	
J	36776219	Valve Assembly, Minimum Pressure	1	

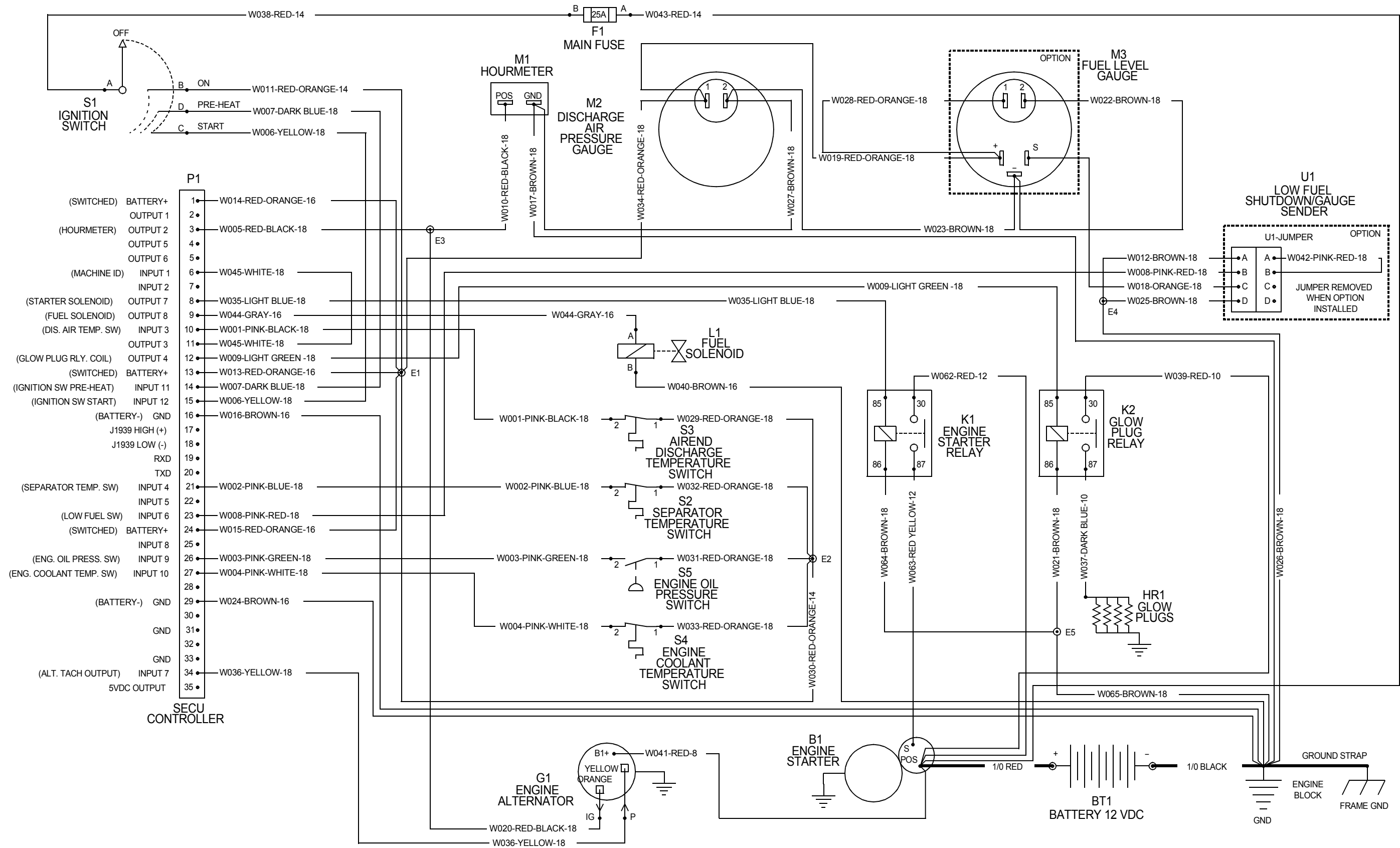


Section E - WIRING SCHEMATICS

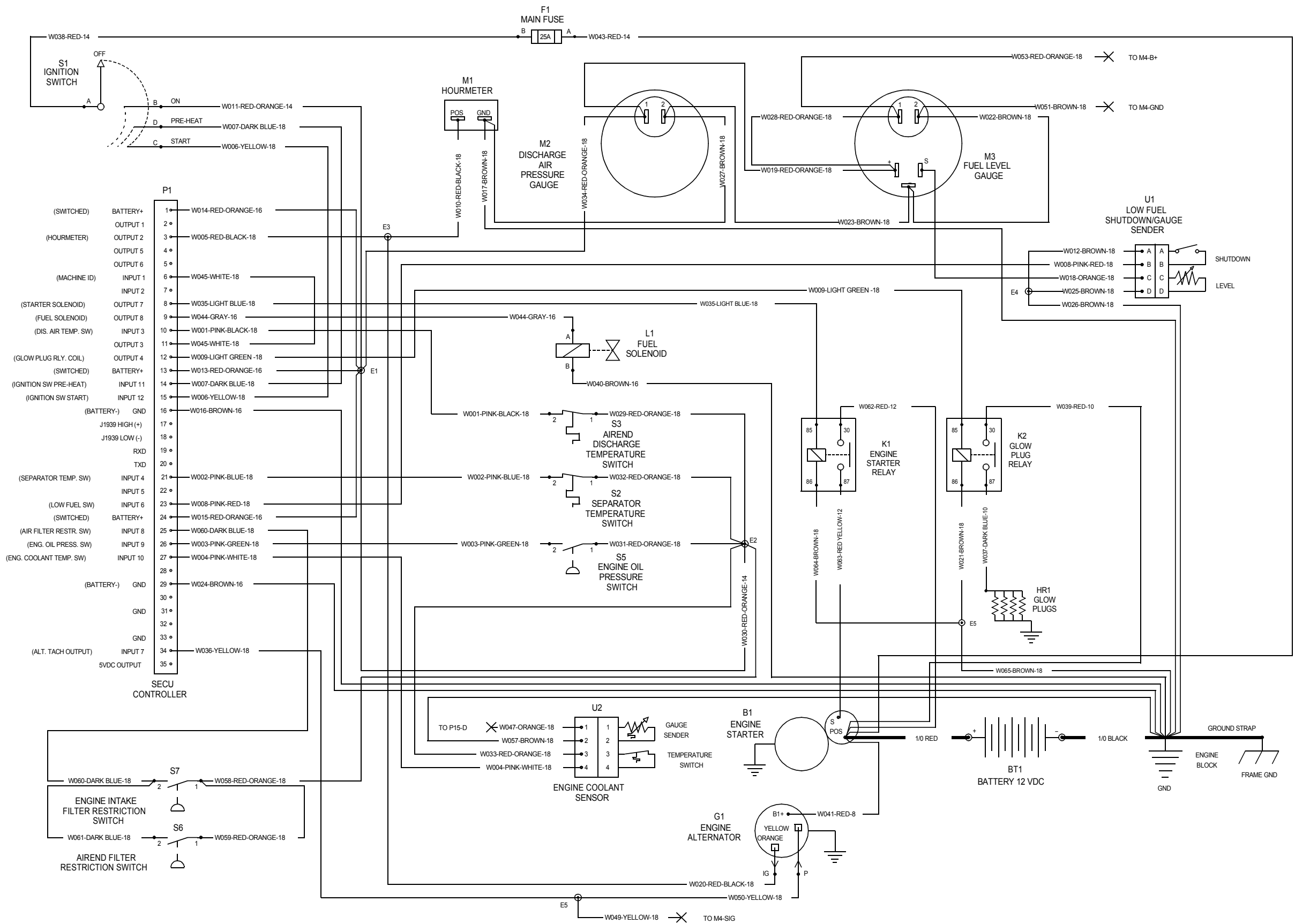
SYSTEM WIRING



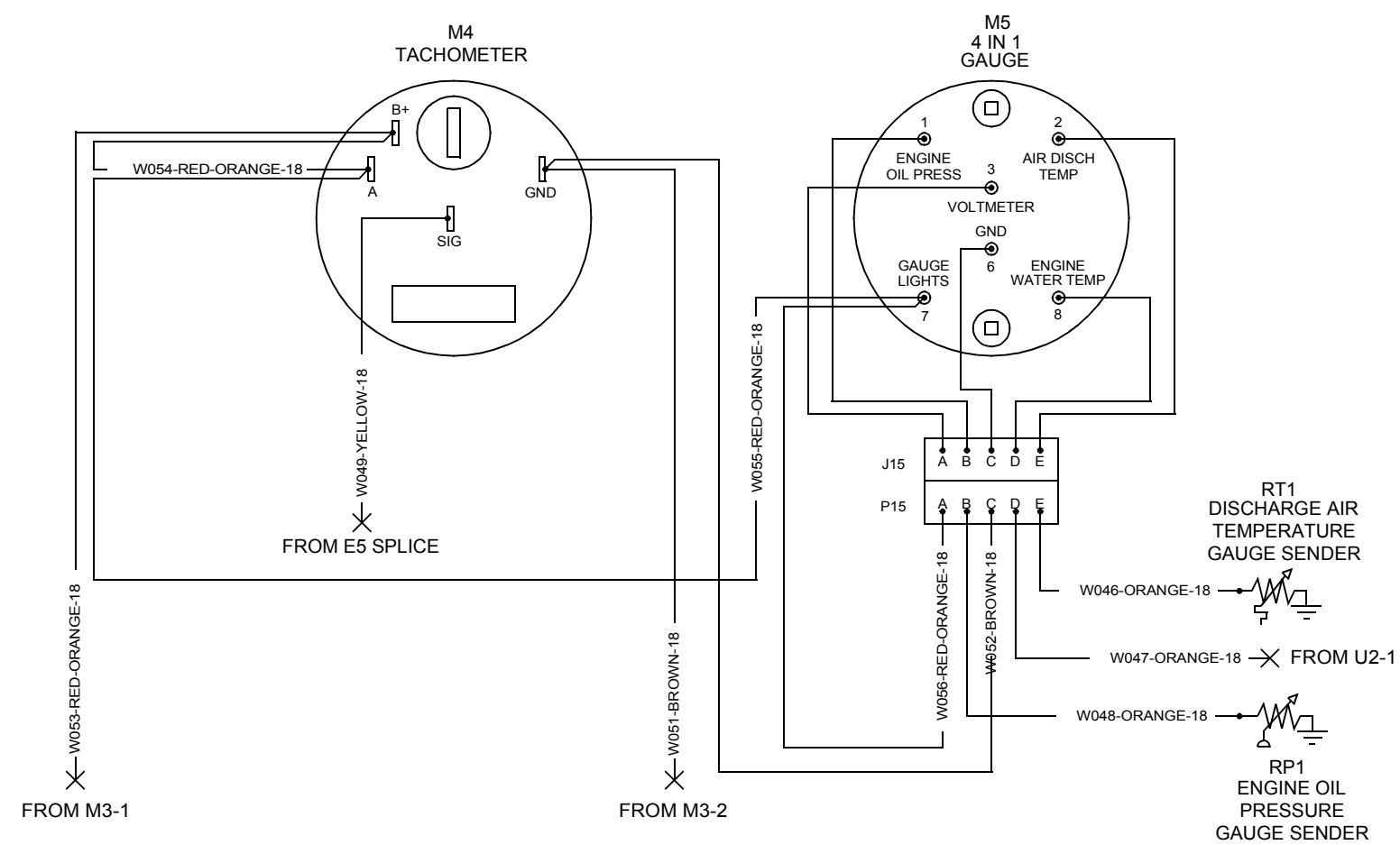
CHASSIS WIRING



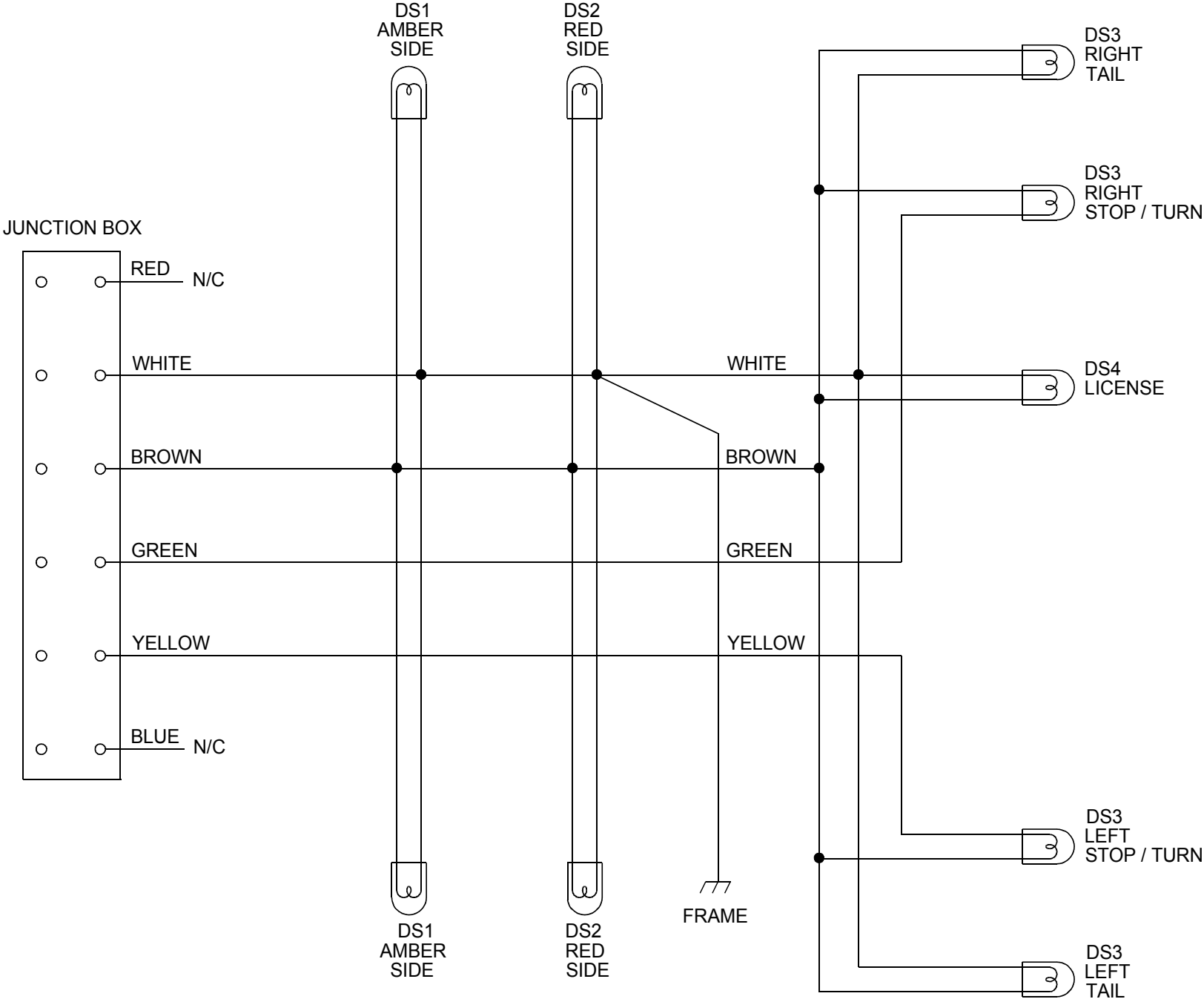
CHASSIS WIRING with FULL GAUGE OPTION 1



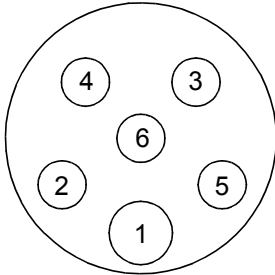
CHASSIS WIRING with FULL GAUGE OPTION 2



SIDE and 2 TAILLIGHT WIRING

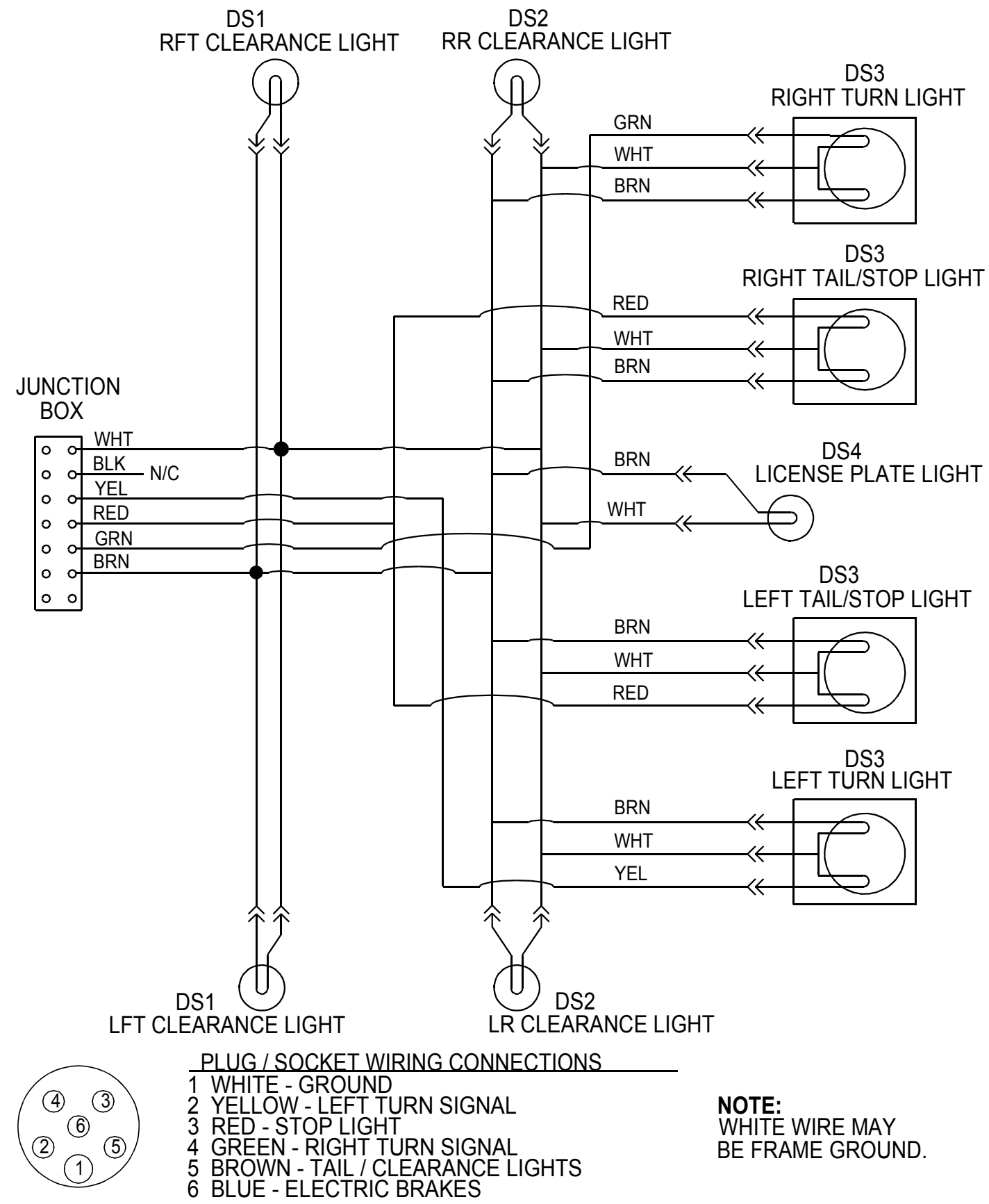


PLUG / SOCKET WIRING CONNECTIONS



- 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

SIDE and 4 TAILLIGHT WIRING



WIRING PARTS LIST

ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION
		CHASSIS HARNESS			CHASSIS HARNESS with FULL GAUGE PANEL			
B1	22607519	Starter	B1	22607519	Starter			
BT1	36844264	Battery, 12VDC	BT1	36844264	Battery, 12VDC			
F1	36793651	Fuse, 25A	F1	36793651	Fuse, 25A			
	46551840	Cap, Fuse (Replacement)		46551840	Cap, Fuse (Replacement)			
G1	22607576	Alternator	G1	22607576	Alternator			
HR1	46544292	Plug, Glow	HR1	46544292	Plug, Glow			
K1	22511505	Relay, 70 A	K1	22511505	Relay, 70 A			
	23091796	Box, Relay (Replacement)		23091796	Box, Relay (Replacement)			
K2	22511505	Relay, 70 A	K2	22511505	Relay, 70 A			
	23091796	Box, Relay (Replacement)		23091796	Box, Relay (Replacement)			
L1	22607758	Valve, Solenoid	L1	22607758	Valve, Solenoid			
M1	22054175	Hourmeter	M1	22054175	Hourmeter			
M2	35604065	Gauge, Pressure 150 PSI (Discharge)	M2	35604065	Gauge, Pressure 150 PSI (Discharge)			
	22137418	Bulb (Replacement)		22137418	Bulb (Replacement)			
M3	22773337	Gauge, Fuel Level (OPTION)	M3	22773337	Gauge, Fuel Level			
	22137418	Bulb (Replacement)		22137418	Bulb (Replacement)			
S1	22127385	Switch, Ignition	M4	22422539	Tachometer			
	222137426	Knob Assembly (Replacement)		22137418	Bulb (Replacement)			
S2	35596436	Switch, Temperature (Separator Tank)	M5	22058291	Gauge, 4-in-1			
S3	22823199	Switch, Temperature (Airend)		22137418	Bulb (Replacement)			
S4	22651251	Switch, Temperature (Water)	RP1	22975403	Sender, Pressure			
S5	36878379	Switch, Pressure (Oil)	RT1	36870608	Sender, Temperature			
U1	22058531	Sender, Low Fuel Shutdown (OPTION)	S1	22127385	Switch, Ignition			
~	46492617	Harness, Chassis		222137426	Knob Assembly (Replacement)			
		2 and 4 LIGHT TRAILER HARNESS	S2	35596436	Switch, Temperature (Separator Tank)			
DS1	35367051	Light, Amber Clearance	S3	22823199	Switch, Temperature (Airend)			
DS2	35367044	Light, Red Clearance	S5	36878379	Switch, Pressure (Oil)			
DS3	36788081	Light, Stop / Tail	S6	36878379	Switch, Vacuum			
DS4	54726468	Light, License	S7	36878379	Switch, Vacuum			
~	23050180	Harness, 2 Tail Light Trailer	U1	22058531	Sender, Low Fuel Shutdown			
~	36893345	Harness, 4 Tail Light Trailer	U2	22651251	Sensor, Temperature			
			~	46499208	Harness, Chassis with Full Gauge Panel			
~	46499364	Controller, SECU						
~	36793743	Cable, Positive Battery						
~	36780609	Cable, Negative Battery						
~	36783488	Strap, Frame Ground						



Section F - RECOMMENDED SERVICE PARTS

QTY	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES
1	46543831	Belt, Fan	
1	22556138	Element, 5 Micron	Fuel Filter
1	22545867	Element, Engine Oil Filter	
1	36878379	Switch, Pressure 12PSI NO	Oil Pressure
1	22685820	Cylinder, Air	
2	35328467	Bearing, Rod End 5/16"-24 X 2.50"	
2	95923074	Nut, Hex Jam 5/16"-24	
2	95935029	Washer, Flat 1/4"	
2	96701461	Screw, Hex M06-1.0 X 25	
2	36769032	Nut, Hex Flange M06-1.0	
1	23279078	Element, Compressor Oil Filter	
1	46492963	Element, Drive Coupling	
1	46492989	Hub, Coupling	
1	22195820	Element, Thermostat 150° - 170° F	
1	95022307	O-Ring, 2.62" X 0.14"	OTBV
1	36788172	Seal, U-Cup 1.88" X 1.63"	OTBV
9	35294768	O-Ring, .92 X .12	
1	36886992	Valve, 0.078" Check w/ O-Ring	
1	35279959	O-Ring, .35 X .08	
1	22823199	Switch, Temperature 248° F	Air End
70"	35363498	Hose, Fuel .5/16" ID	
2	35393693	Cover, Air Cleaner	Air Cleaner
2	35393685	Element, Primary	Air Cleaner
2	35393651	Element, Safety	Air Cleaner Option
2	35393677	Valve, Dust Ejector	Air Cleaner
6	35393669	Clip, Retaining	Air Cleaner
2	35393719	Plug, Cap	Air Cleaner
2	35279777	Elbow, 90° 1-5/8"-12 X -20 JIC	
4	35279942	O-Ring, 3-20	
1	36920254	Valve, Safety 200 PSI	
1	22685481	Elbow, Top Sight Tube	
1	22685499	Elbow, Bottom Sight Tube	
1	22685515	Tube, Sight Gage	
1	22436331	Element, Separator	
1	22610760	Nipple, Filter Air-Oil	Separator Filter Head
1	22610950	O-Ring, 2 - 32	Separator Filter Head
1	36921377	Nozzle, 0.395" Orifice Sonic	
1	35596436	Switch, Temperature 248° F	Discharge Air
1	39404165	O-Ring, .644 X .087	Discharge Air Switch
1	36840437	Valve, .062" Orifice Check	
1	36896892	Valve, Pressure Regulator 200 PSI	
1	35248319	Orifice, Muffler 0.094"	Separator Filter Head
1	35322379	Valve, Blowdown	
1	35379064	Repair Kit, Diaphragm	Blowdown Valve
1	36766772	Orifice, Muffler 0.062"	Separator Filter Head
2	36883437	Hinge, Door	Side Door
2	36793602	Latch, Door Slam	

QTY	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES
8	35337328	Stud, Ball M08-125	
4	35600287	Spring, Gas	
1	22107478	Hinge, Control Panel	
2	35391101	Seal, Grease	Axle
2	35361864	Cone, Inner Bearing	Axle
2	35361872	Cup, Inner Bearing	Axle
2	36848158	Hub & Drum with Studs and Cups	Axle
2	35315183	Cup, Outer Bearing	Axle
2	35315191	Cone, Outer Bearing	Axle
2	22805436	Washer, Spindle	Axle
2	35315217	Nut, Spindle	Axle
2	22805444	Washer, Tang	Axle
2	35391127	Cap, EZ Lube Dust	Axle
2	46543690	Plug, EZ Lube Dust	Axle
10	22464648	Stud, Wheel	Axle
1	36888709	Jack Assembly	
1	35392562	Handle Assembly	Jack Assembly
2	36877579	Fender	
1	54482500	Door, Instrument Panel	
1	54482518	Latch, Plastic Endcap	Instrument Panel Door
1	36881076	Valve, Wye	
1	23345960	Rain, Cap 2.50"	
1	22926745	Filter, Fuel/Water Separator	Option
1	22926737	Element, Fuel Filter	Option
3	36899698	ProTec, 1 Gallon	
2	54480918	Oil, Engine 15W40 1 Gallon	

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
18963819	C-18	22545867	C-7	23021579SB	B-23	35255025	D-28
18964593	C-18	.....	.....F-2	23050180	B-42	35271170	B-41
18964601	C-18	22556138	C-18	23091796	B-25	35277706	B-10
18965384	C-3	.....	.....F-2	23110497	C-3	.....	.....D-20
18966135	C-9	22600944GB	D-23	.....	.....C-24	35278530	B-41
18966341	C-18	.....	.....D-25	23110661	C-7	35278571	B-19
18966564	C-7	.....	.....D-27	23110968	C-23	35279025	B-3
18966853	C-23	22607519	C-21	23138548SB	D-7	.....	.....B-5
18967158	C-15	22607576	C-23	.....	.....D-9	.....	.....B-13
18967281	C-9	22607634	C-4	23138555SB	D-6	.....	.....B-15
18969410	C-21	22607758	C-20	23202542	B-13	.....	.....B-20
18969428	C-13	22610760	B-29	23230857	B-49	.....	.....B-23
22054159	B-39	.....	.....F-2	23231921	B-17	.....	.....B-25
22054175	B-39	22610950	B-29	23233059	B-51	.....	.....B-27
22068282	B-51	.....	.....F-2	23241045	B-51	.....	.....B-29
22070494	B-39	22649115	B-21	23254956	C-23	.....	.....B-41
22090898	B-39	22651251	B-15	23279078	B-19	.....	.....B-42
22107478	B-39	22685481	B-27	.....	.....F-2	.....	.....B-43
.....	F-3	.....	.....F-2	23296551	B-17	.....	.....B-45
22127385	B-39	22685499	B-27	23321961	B-51	.....	.....D-3
22134118	B-39	.....	.....F-2	23334253	B-20	.....	.....D-5
22137418	B-39	22685507	B-27	23334717	B-19	.....	.....D-6
22144521	B-5	22685515	B-27	23345960	B-21	.....	.....D-7
.....	D-3	.....	.....F-2	.....	.....F-3	.....	.....D-9
.....	D-6	22685820	B-13	23360662SB	B-3	.....	.....D-22
.....	D-7	.....	.....F-2	23362031	B-27	.....	.....D-25
.....	D-9	22721195SB	D-5	23365349SB	B-29	.....	.....D-27
22171680	B-39	22743736	B-51	.....	.....B-35	35279777	B-27
22171698	B-39	22756381SB	B-13	24898801	C-24	.....	.....B-29
22195820	B-19	22805436	B-9	24898918	C-17	.....	.....B-31
.....	F-2	.....	.....D-13	24898926	C-24	.....	.....B-35
22246276	B-10	.....	.....D-19	24899106	C-3	.....	.....F-2
.....	D-20	.....	.....F-3	35046275	D-11	35279785	B-29
22247951	B-41	22805444	B-9	.....	.....D-20	.....	.....B-31
22253041	D-20	.....	.....D-13	35114545	B-29	35279876	B-19
.....	D-21	.....	.....D-17	.....	.....B-33	.....	.....B-33
22311146	B-25	.....	.....D-19	35117480	D-25	35279942	B-27
22313928	B-49	.....	.....F-3	.....	.....D-27	.....	.....B-29
22404289	B-20	22808786	C-11	35144492	B-29	.....	.....B-31
22406755	B-29	22823199	B-19	.....	.....B-35	.....	.....F-2
22436331	B-29	.....	.....F-2	.....	.....D-25	35279959	B-19
.....	B-35	22873715	B-46	.....	.....D-27	.....	.....F-2
.....	F-2	.....	.....B-47	35153972	D-25	35282565	B-10
22464648	B-9	22892632	D-17	.....	.....D-27	.....	.....D-20
.....	D-13	.....	.....D-19	35189885	B-29	.....	.....D-21
.....	D-17	22892657	D-11	.....	.....B-35	35282904	B-19
.....	D-19	.....	.....D-13	.....	.....D-25	.....	.....B-33
.....	F-3	22895247	B-47	.....	.....D-27	35282920	B-33
22469860	B-7	22910699	B-33	35221662	B-23	35283464	B-29
.....	B-9	.....	.....B-39	35221894	D-23	.....	.....B-31
22482277	B-23	22926737	D-22	35221902	D-23	35290113	B-5
22487607SB	B-23	.....	.....F-3	35221910	D-25	.....	.....B-20
22487615SB	B-23	22926745	D-22	.....	.....D-27	.....	.....D-3
22489942	B-15	.....	.....F-3	35225077	B-43	35290352	B-36
22511505	B-25	22937783	B-46	35248319	F-2	35291988	D-20
22532386	D-22	23021561SB	B-23	35253038	B-42		

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
35294677	B-19	35361864	B-9	35382654	D-29	35393669	B-26
.....	B-33	.....	D-13	35382662	D-29	.....	F-2
35294727	B-19	.....	D-17	35382670	D-29	35393677	B-26
.....	B-23	.....	D-19	35382688	D-29	.....	F-2
35294750	B-19	.....	F-3	35384577	B-41	35393685	B-26
.....	B-33	35361872	B-9	35385191	B-9	.....	F-2
35294768	B-19	.....	D-13	.....	D-13	35393693	B-26
.....	B-23	.....	D-17	35389055	D-29	.....	F-2
.....	B-27	.....	D-19	35391101	B-9	35393701	B-26
.....	B-33	.....	F-3	.....	D-13	35393719	B-26
.....	F-2	35363498	B-23	.....	D-17	.....	F-2
35296342	B-23	.....	B-41	.....	D-19	35576115	D-25
.....	B-41	.....	D-22	.....	F-3	.....	D-27
.....	D-22	.....	F-2	35391119	D-13	35579630	B-27
35296409	B-27	35364397	D-25	.....	D-17	35596436	B-29
.....	B-35	.....	D-27	.....	D-19	.....	B-31
35296425	B-19	35367044	B-42	35391127	B-9	.....	F-2
.....	B-35	35367051	B-42	.....	D-13	35600287	B-45
35296748GB	D-25	35369214	B-27	.....	D-17	.....	F-3
.....	D-27	.....	B-33	.....	D-19	35604065	B-39
35304047	B-13	35369347	B-35	.....	F-3	35605187	B-5
.....	B-15	.....	B-39	35391135	D-13	.....	D-3
35310622	B-45	35369354	B-29	.....	D-17	.....	D-6
35314996	B-25	.....	B-35	.....	D-19	.....	D-7
35315183	B-9	.....	B-39	35391168	D-13	.....	D-9
.....	D-13	35369503	B-29	35391176	D-13	35609874	B-20
.....	D-17	.....	B-33	35391184	D-15	35611557	B-17
.....	D-19	35370386	B-13	35391192	D-15	35611615	B-17
.....	F-3	.....	B-33	35391226	D-15	36026268	D-21
35315191	D-17	.....	B-39	35391234	D-15	36043818	D-11
.....	D-19	35370469	B-5	35391267	D-15	.....	D-20
.....	F-3	.....	D-3	35391309	D-15	36073559	B-7
35315217	B-9	.....	D-6	35391333	D-15	.....	B-10
.....	D-13	.....	D-7	35391358	D-15	.....	D-11
.....	D-17	.....	D-9	35391366	D-15	.....	D-20
.....	F-3	35374073	B-25	35391374	D-15	36073864	D-21
35315274	B-9	35374859	B-19	35391382	D-15	36074938	D-11
.....	D-13	.....	B-33	35391390	D-15	.....	D-20
.....	D-17	35375591	B-13	35391416	D-15	36100055	C-21
.....	D-19	.....	B-15	35391630	D-13	.....	C-23
35318757	D-21	35376094	B-5	.....	D-17	36100162	C-21
35322379	B-29	.....	D-3	.....	D-19	.....	C-23
.....	B-31	.....	D-6	35391648	D-13	36100881	C-19
.....	F-2	.....	D-7	35392307	B-41	36101434	C-7
35324839	B-29	.....	D-9	35392521	B-11	36101723	C-9
.....	B-31	35376110	B-19	35392539	B-11	36102176	C-12
35327212	B-20	35376334	B-17	35392547	B-11	36103604	C-16
35328467	B-13	35376342	B-17	35392554	B-11	36105062	C-3
.....	F-2	35376359	B-17	35392562	B-11	36108660	C-3
35337328	B-45	35379064	B-29	.....	F-3	36110302	C-7
.....	F-3	.....	B-31	35392570	B-11	36110385	C-3
35356252	D-28	.....	F-2	35392588	B-11	.....	C-7
35356484	B-33	35379817	B-17	35392596	B-11	36114015	C-5
		35382621	D-29	35393651	B-26	36114080	C-9
		35382639	D-29	.....	F-2	36114106	C-11
		35382647	D-29			36117885	C-15

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
36119287	C-16	36796068	B-5	36881886	B-21	43213388	B-29
36119576	C-18	.....	D-3	.....	B-23	.....	B-31
36126050	C-3	.....	D-6	.....	B-45	46490736	B-21
36136133	C-12	.....	D-7	.....	D-22	46490744SB	B-21
36136380	C-23	.....	D-9	36882165SB	B-3	46490843SB	B-15
36136521	C-11	36797652	B-3	36882652SB	D-9	46490850SB	B-13
36136968	C-12	.....	B-23	36882660SB	D-3	46492047	B-27
36136976	C-12	.....	B-37	36882934	B-23	.....	B-35
36137479	C-15	.....	B-45	36883437	B-45	46492708SB	B-23
36137875	C-17	36840437	B-29	.....	F-2	46492724SB	B-23
36138295	B-23	.....	B-36	36883445GA	B-45	46492732SB	B-23
36138428	C-15	.....	F-2	36883452GA	B-45	46492757SB	B-23
36138543	C-12	36844264	B-43	36883510SB	B-3	46492765GA	B-23
36385111	B-41	36846319	D-20	36883890SB	D-22	.....	B-45
36509073	B-5	.....	D-21	36884096	B-23	46492773SB	B-23
.....	D-3	36848158	B-9	36884245	B-41	46492898GA	B-45
.....	D-6	.....	F-3	36884948	B-23	46492948	B-20
.....	D-7	36853257	B-43	36885546	B-41	46492963	B-20
.....	D-9	36853265	B-43	36886364SB	B-5	.....	F-2
36511623	B-17	36860005	B-43	.....	D-3	46492989	B-20
36514602	B-51	36865293	B-45	36886992	B-19	.....	F-2
36755460SB	D-25	36867596	D-17	.....	B-33	46493250SB	B-3
.....	D-27	.....	D-19	.....	F-2	46493383SB	B-3
36757284SB	D-6	36867604	D-17	36888055	B-43	46493391SB	B-3
.....	D-7	.....	D-19	36888709	B-5	46496212SB	B-3
36765188	D-23	36870608	B-15	.....	B-11	46496311	B-23
36766772	B-29	36877579	B-7	.....	D-3	46496329	B-23
.....	F-2	.....	F-3	.....	F-3	46496451SB	B-29
36769032	B-13	36877793	B-3	36889509GA	B-45	.....	D-25
.....	F-2	36877959	B-15	36889608	B-23	.....	D-27
36769289	B-20	36878064	B-43	36893634	B-42	46496758SB	D-5
36769560	B-23	36878379	B-15	36894194GA	B-45	46496899SB	B-23
36776219	D-25	.....	F-2	36894608	B-42	46497327SB	B-37
.....	D-27	36879203	B-3	36894616	B-42	46497400	B-46
.....	D-29	.....	D-3	36895746	B-23	.....	B-47
36779999	B-27	.....	D-9	36896892	B-29	46497616	B-19
.....	B-33	36879211	D-6	.....	B-33	.....	B-35
36780609	B-43	.....	D-7	.....	F-2	46498028SB	B-45
36782167	B-23	.....	D-9	36897999	B-25	46498036GB	B-3
36783488	B-43	36879302	D-6	36898096	B-13	46499307	B-19
36787968	B-42	.....	D-7	36898104	B-23	46499364	B-37
36788081	B-42	.....	D-9	36899698	F-3	46499562SB	B-25
36788172	B-19	36879492	B-5	36920254	B-27	46499596	B-25
.....	F-2	.....	D-3	.....	F-2	46541405	B-29
36789492	B-3	.....	D-9	36921377	B-29	.....	B-35
36793602	B-45	36880623	B-3	.....	B-31	46542163	B-19
.....	F-2	.....	D-5	.....	F-2	.....	B-20
36793743	B-43	36880904SB	B-3	39127287	B-15	46542239	B-15
36793776	B-29	36880986SB	B-3	39179072	B-13	46543138SB	B-45
.....	B-31	36881076	B-29	.....	B-15	46543435	D-17
36794816	B-45	.....	B-35	.....	D-6	.....	D-19
.....	B-49	.....	F-3	.....	D-7	46543443	D-17
		36881100	B-41	.....	D-9	.....	D-19
				39322284	B-17	46543450	D-17
				39404165	B-29	.....	D-19
				.....	F-2		

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
46543468	D-17	46544003	C-9	54429303	B-13	95072971	D-23
.....	D-19	46544011	C-9	.....	B-15	95219770	B-29
46543476,	D-17	46544029	C-9	54440060	B-17	.....	B-35
.....	D-19	46544037	C-11	54454756	B-49	95219861	D-25
46543484,	D-17	46544045	C-11	54471057	B-20	.....	D-27
.....	D-19	46544052	C-3	54473517	B-45	95220604	B-20
46543492	D-17	46544060	C-3	54473525	B-45	95286530	D-25
.....	D-19	46544078	C-3	54480918	F-3	.....	D-27
46543500	D-17	46544086	C-3	54482500	B-39	95287629	B-19
.....	D-19	46544094	C-24	.....	F-3	.....	B-33
46543518	D-17	46544102	C-7	54482518	B-39	95358297	D-23
.....	D-19	46544110	C-7	.....	F-3	95446340	B-29
46543526	D-17	46544128	C-7	54519202	B-45	95923074	B-13
.....	D-19	46544136	C-7	54568753	B-51	.....	F-2
46543534	D-17	46544144	C-7	54568761	B-49	95923298	B-43
.....	D-19	46544151	C-7	54568779	B-49	95923348	B-11
46543542	D-17	46544169	C-7	.....	B-51	95928040	D-23
.....	D-19	46544177	C-7	54568787	B-49	.....	D-25
46543583GB	B-3	46544185	C-7	54568795	B-49	.....	D-27
46543591GB	B-3	46544193	C-7	54568803	B-51	95928164	B-27
46543682	B-9	46544201	C-17	54602719GA	B-23	95928172	D-25
.....	D-13	46544219	C-20	.....	B-45	.....	D-27
.....	D-17	46544227	C-20	54604921	B-51	95928198	D-25
.....	D-19	46544235	C-20	54604962	B-49	.....	D-27
46543690	B-9	46544243	C-20	54604970	B-49	95928222	D-23
.....	F-3	46544250	C-4	54629902	B-51	95928248	D-25
46543724	C-23	46544268	C-4	54640016	B-49	95928321	D-25
46543732	C-16	46544276	C-4	54721212	B-39	.....	D-27
46543740	C-16	46544284	C-4	54721220	B-39	95934584	D-23
46543757	C-5	46544292	C-4	54721238	B-23	95934907	B-5
46543765	C-15	46544300	C-4	.....	B-37	.....	D-3
46543773	C-15	46544318	C-13	.....	B-45	.....	D-6
46543781	C-15	46544326	C-13	54724117	B-45	.....	D-7
46543799	C-15	46544334	C-13	54726468	B-42	.....	D-9
46543807	C-15	46544342	C-21	54749601	B-39	95934998	B-15
46543815	C-15	46544359	C-18	85470342	C-20	95935003	B-13
46543823	C-12	46544367	C-18	85470623	C-9	.....	B-15
46543831	C-12	46544375	C-18	85470649	C-4	.....	B-21
.....	F-2	46544383	C-18	.....	C-11	.....	B-29
46543849	C-12	46544391	C-3	85471084	C-7	95935029	B-13
46543856	C-12	46544409	C-3	85471183	C-5	.....	F-2
46543864	C-12	46544417	C-3	85471787	C-23	95935599	B-33
46543872	C-12	46544425	C-3	85472488	C-11	.....	B-39
46543880	C-12	46544433	C-3	85473304	C-3	95937413	D-23
46543898	C-12	46544854	C-7	90671242	D-23	95941373	D-28
46543906	C-9	46544862GB	D-5	92368687	B-7	95944542	B-29
.....	C-12	46544870GB	D-5	.....	B-23	.....	B-35
46543914	C-12	46544888GB	D-5	.....	B-25	.....	D-25
46543922	C-12	46545240	D-23	.....	B-42	.....	D-27
46543930	C-12	46546123	B-51	.....	D-25	95953378	B-29
46543948	C-12	46546149	B-46	.....	D-27	.....	B-35
46543955	C-12	.....	B-47	92398130	B-21	95953600	D-28
46543963	C-19	46546289	D-23	95022307	B-19	96701396	B-21
46543971	C-19	46546347SB	B-13	.....	F-2	96701461	B-13
46543989	C-19	54429295	B-13	95058053	B-17	.....	F-2
46543997	C-19	.....	B-15	95060018	B-17		

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
96701750	B-5						
.....	D-3						
.....	D-6						
.....	D-7						
.....	D-9						
96702170	B-17						
96702279	B-29						
.....	B-35						
96702816	B-13						
.....	B-25						
96702824	B-21						
96704598	B-13						
96704630	B-5						
.....	D-3						
96709118	B-21						
96719869	B-21						
96726435	B-15						
.....	D-22						
96727623	B-23						
96739958	B-13						
.....	B-15						
96747142	B-7						
.....	D-11						

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
----------	------	----------	------	----------	------	----------	------

WORD INDEX

CPN

2-Part Drawbar Warning	B-51
3-Part Danger/Warning	B-51

A

Adapter	
1.25" NPT X 1.62"-12	B-29, B-35
1/8"-27 NPT X 9/16"-18	C-15
7/8"-14 X M24	C-7
Fitting	C-7
Airend	B-19
Alternator	C-23
Aneroid	C-20
Angle	B-43
Radiator Support	B-23
Roof Tie	B-3
Axle	
Hydraulic Brake	D-17, D-19
Standard without Brakes	B-7, B-9

B

Baffle	
Cooler Bottom	B-23
Radiator Bottom	B-23
Top LH	B-23
Top RH	B-23
Bail	
CRBSD Lift	B-3
STSD Lift	B-3
Ball	
Retard	D-23
Battery	B-43
Battery Gas Warning	B-51
Bearing	
Ball	B-17
Hose Reel	D-23
Rod End 5/16"-24 X 2.50"	F-2
Rod End 5/16-24	B-13
Belt	
Fan	C-12, F-2
Binder	
3 Ring	B-51
Body	
Air Cleaner	B-26
Minimum Pressure Valve	D-29
Bolt	
Caster Wheel 1/2"-13 X 3.18"	B-11
Bottle	
Coolant Recovery	B-23
Bowl	
Fuel Filter	D-22
Box	
Relay	B-25

Bracket

Air Cleaner	B-25
Air Cylinder Mounting	B-13
Alternator Mounting	C-23
CRBSD Engine Mounting	B-15
Fuel / Ether	D-22
Hose Reel Lock	D-25, D-27
Muffler	B-21
Roof Attachment	B-23
Separator Element	B-29, B-35
Service Pipe	B-29, D-25, D-27
STSD Engine Mounting	B-13
Throttle Lever	B-13

Brake

LH Electric w/ Park	D-13
RH Electric w/ Park	D-13

Brake Assembly

LH Hydraulic	D-17, D-19
RH Hydraulic	D-17, D-19

Bumper

Rubber	B-45
--------	------

Bushing

Crankshaft Pulley	C-12
Nitrile	B-41

C

Cable

Negative Battery	B-43
Positive Battery	B-43

Cap

Coolant Recovery Bottle	B-23
Electrical Connector	C-4
EZ Lube Dust	B-9, D-13, D-17, D-19, F-3
Fuel	B-41
Hex -12JIC	B-27, B-33
Hose Lock	D-25, D-27
Jack	B-11
Minimum Pressure Valve	D-29
Oil Filler	C-3
Radiator	B-23
Spring	B-17

Caster Wheel

	B-11
--	------

Chain & Hook Assembly

	B-5, D-3, D-6, D-7, D-9
--	-------------------------

Channel

Pintel Mounting 3 Position	D-6, D-7
----------------------------	----------

Clamp

5/8" Support	B-43
Hose	B-23, C-7, C-15, C-18
Muffler	B-21
Support 3/8"	B-42
T 3.12"	B-25
T 3.62"	B-25
Tube Support	C-3
Worm Gear	B-23, B-41, D-22

Cleaner Assembly

Air	B-25
-----	------

Clip

Retaining	B-26, F-2
-----------	-----------

WORD INDEX

Cone

Inner Bearing B-9, D-13, D-17, D-19, F-3
Outer Bearing B-9, D-13, D-17, D-19, F-3

Connector

1/4" Tube X 1/8" NPT B-19, B-33
1-5/8"-12 X -20 JIC B-29, B-31
-24JIC X 1.88"-12 B-27, B-35
Male 1/4" NPT X 3/8" Tube B-35, B-39

Controller

SECU B-37

Cooler

Oil B-23, C-7

Coupling

Straight 1/8" NPT X .75" B-33, B-39

Coupling Assembly. B-20

Cover

Air Cleaner B-26, F-2
Auxilliary Drive C-16
Bearing D-23
Engine Oil Drain B-3, D-5
Front Seal B-17
Inlet B-17
Lower Cooler Access B-45
Oil Cooler C-7
Timing Gear C-9
Top Cooler Access B-45
Valve C-3

crew

Tapping M06-1.0 X 14 B-25

Cross Member Endcap B-23, B-45

Crossmember

Airend Support B-20
Lift Bail B-3

Cup

Inner Bearing B-9, D-13, D-17, D-19, F-3
Outer Bearing B-9, D-13, D-17, D-19, F-3

CV Assembly D-29

Cylinder

Air B-13, F-2

D

Decal

12.25" Stacked IR Logo B-47
6.50" Stacked IR Logo B-46
8" Doosan B-46, B-47
IR Logo 34" B-46, B-47
P185 Model Number B-46, B-47
WW Instrument Panel B-39

Diesel Fuel B-51

Dipstick C-11

Door

Instrument Panel B-39, F-3
Side B-45

Drawbar B-5, D-3

Heave Duty Standard Height D-6
Heavy Duty Extended Standard Height . D-7, D-9

E

Elbow

1/4"-18 NPT C-18
1/4" NPT X 3/8" Tube B-29, B-35
3/8"-18 NPT C-7
45° O-Ring 1.06"-12 X -12 JIC B-19, B-23
45° O-Ring 1.88"-12 X -24 JIC B-19, B-35
45° Street 3/4" NPT D-25, D-27
45° Swivel Nut -4 JIC B-29
90° 1.25" NPT X -26 JIC D-25, D-27
90° 1.25" NPTF X -26 JIC D-25, D-27
90° 1/4" NPT X 3/8" Tube B-39
90° 1-5/8"-12 X -20 JIC . . B-27, B-29, B-31, B-35, F-2
90° Male 1/4" NPT X 1/4" Tube B-29, B-31
90° O-Ring 1.06"-12 X 3/4" Tube B-19, B-33
90° O-Ring 7/16"-20 X -4 JIC B-19, B-33
90° Street 3/4" NPT D-25, D-27
90° X 1.25" NPT B-29, B-35
90° X 1/8" NPT X 3/8" Tube . . . B-13, B-33, B-39
Bottom Sight Tube B-27, F-2
Street 1/2" NPT B-27
Swivel Nut -4 JIC B-36
Top Sight Tube B-27, F-2

Element

5 Micron F-2
Compressor Oil Filter B-19, F-2
Drive Coupling B-20, F-2
Engine Oil Filter F-2
Fuel Filter C-18, D-22, F-3
Oil Filter C-7
Primary B-26, F-2
Safety F-2
Safety (Optional) B-26
Separator B-29, B-35, F-2
Thermostat 150° - 170° F B-19, F-2

Endcap

Front B-45
Rear B-45

Engine B-13

Engine and Compressor Oil Service B-49

EPA Noise B-51

Eye

Pintel B-5, D-3, D-6, D-7, D-9

F

Fan B-15

Fender B-7, F-3

Filter

Fuel/Water Separator D-22, F-3

Filter Assembly

Fuel C-18

Filter Head B-29

WORD INDEX

Fitting		
1/8" Lube	.....	D-23
Adapter	.....	C-3
Elbow	.....	C-3
Glow Plug	.....	C-4
Hose 3/8"-18 NPT	.....	C-15
Straight Adapter	.....	C-3
Zerk	.....	B-9, D-13
Zerk 1/4"-28	.....	D-17, D-19
Fitting Assembly		
Barbed Hose	.....	C-18
Frame	.....	B-3
Heavy Duty	.....	D-5
WW Instrument Panel	.....	B-39
G		
Gasket		
Exhaust Manifold	.....	C-13
Fuel Cap	.....	B-41
Oil Cooler	.....	C-7
Turbo to Exhaust Maifold	.....	C-15
Gauge		
150 PSI Pressure	.....	B-39
Gear		
Drive	.....	B-11
Ring	.....	C-19
Gear Assembly		
Flywheel and Ring	.....	C-19
Grommet		
Clearance Light	.....	B-42
Screw	.....	B-45
Tail Light	.....	B-42
Guard		
Fan	.....	B-23
Front Toolbox	.....	B-3
Mid Toolbox	.....	B-3
Rear Toolbox	.....	B-3
H		
Handle Assembly	.....	B-11, F-3
Harness		
Alternator Wiring	.....	C-23
Glow Plug Wiring	.....	C-4
Starter Wiring	.....	C-21
Trailer	.....	B-42
Head		
Oil Filter	.....	C-7
High Pressure Warning	.....	B-49
Hinge		
Control Panel	.....	B-39, F-3
Door	.....	B-45, F-2
Hltch		
2.00" Ball (OPTION)	....	B-5, D-3, D-6, D-7, D-9
2.31" Ball (OPTION)	....	B-5, D-3, D-6, D-7, D-9
Hose		
.5/16" Fuel	.....	B-41
5/16" Fuel	.....	D-22
Airend Discharge -24 JIC	.....	B-19, B-35
Bottom Radiator	.....	B-23
Engine Intake	.....	B-25
Flexible 3" ID Alir Intake	.....	B-25
Fuel .5/16" ID	.....	B-23, F-2
Inlet (87.3 mm)	.....	C-7
Outlet (78.1 mm)	.....	C-7
Rubber Drain	.....	C-15
Top Radiator	.....	B-23
Turbo Air Intake (49 mm)	.....	C-3
Hose (bulk)	.....	C-3
Hose Assembly		
-12 JIC X 13"	.....	B-19, B-33
-12 JIC X 54"	.....	B-19
-20 X 33"	.....	D-25, D-27
-4 JIC X 1125 mm	.....	B-19, B-33
-4 JIC x 30"	.....	B-33
Hot Pressurized Fluid Warning	.....	B-49
Hourmeter		
Elect/Mech	.....	B-39
Housing		
Flywheel	.....	C-19
OTBV	.....	B-19
Hub		
Coupling	.....	B-20, F-2
Hub & Drum with Studs	.....	D-17, D-19
Hub & Drum with Studs and Cups	....	B-9, D-13, F-3
I		
Improper Operation	.....	B-49
Insert		
1/4" Tube	.....	B-27
Isolator	.....	B-13, B-15
Rubber	.....	B-20
itting		
Straight Barbed Hose 1/4"-18 NPT	.....	C-18
J		
Jack Assembly	.....	B-5, B-11, D-3, F-3
J-Bolt	.....	B-43
K		
Key		
M8 X 10 X 60	.....	B-20

WORD INDEX

Kit

Adjusting ScrewD-17, D-19
 Brake ShoeD-15
 Crankshaft Pulley WasherC-12
 LH Wheel CylinderD-17, D-19
 MagnetD-15
 O-RingC-17
 Rear SealC-5
 RH Wheel CylinderD-17, D-19
 Shoe LiningD-17, D-19
 Spring (Includes all Springs)D-17, D-19
 Wheel Cylinder RepairD-17, D-19
 Knob Assembly (Included w/ Item B)B-39

L

Laminet SetB-51
 Lamp
 14 VDC (Replacement)B-39
 Latch
 Door SlamB-45, F-2
 Plastic EndcapB-39, F-3
 Lever
 LH Parking BrakeD-17, D-19
 Parking BrakeD-15
 RH Parking BrakeD-17, D-19
 ShoeD-17, D-19
 Lever Kit
 LH ActuatingD-15
 RH ActuatingD-15
 Light
 Amber ClearanceB-42
 Combo TailB-42
 LicenseB-42
 Red ClearanceB-42
 Line
 Aneroid FuelC-3
 Oil DrainC-15
 Oil SupplyC-15
 Link
 LH ToggleD-17, D-19
 RH ToggleD-17, D-19
 Lock
 Coupling HoseD-25, D-27
 DifferentialC-4
 Lockwasher
 8mmC-21, C-23
 Lubricator
 1 qt.D-28
 2 qt.D-28
 Lunette
 Adjustable HeightD-3, D-9

M

Manifold
 ExhaustC-13
 Hose ReelD-25, D-27
 MufflerB-21

N

Nipple
 0.25" NPTB-29, B-31
 1-1/4" X 2"D-28
 Close 3/4" NPT XD-23
 Close 3/4" NPT X 1.38"D-25, D-27
 Filter Air-OilB-29, F-2
 Long 1.25" NPT X 7"B-29, B-35
 Long 1.25" X 7"D-25, D-27
 ThreadedC-7
 NO Ether CautionB-49
 Nozzle
 0.395" Orifice SonicB-29, B-31, F-2
 Nut
 Brake Mount HexD-17, D-19
 Brake MountingD-13
 Flange M08-1.25C-24
 Hex Flange M06-1.0B-13, B-23, F-2
 Hex Flange M08-1.25B-21, B-23, D-22
 Hex Flange M08-125B-45
 Hex Flange M12-1.75B-3, D-3, D-9
 Hex Flange M16-2.0D-6, D-7, D-9
 Hex Jam 5/16"-24F-2
 Hex Jam 5/16-24B-13
 Hex Lock 1/4"-20B-29, B-35
 Hex Lock M06-1.0B-13
 Hex Lock M08-1.25D-25, D-27
 Hex M08-1.25C-21, C-23
 Hex M16-2.0B-5, D-3, D-6, D-7, D-9
 Hex Nyloc 1/2"-13B-11
 Hex Nyloc M08B-41
 Hex Nyloc M12-1.75B-13, B-15
 Hex Nyloc M16-2.0B-5, D-3
 LockK 1/4"-20B-43
 Plastic #4-40B-39
 SpindleB-9, D-13, D-17, D-19, F-3
 WheelB-9, D-13, D-17, D-19
 Nutsert
 Hex M08B-23

O

Oil
 Engine 15W40F-3
 Oil FillB-49
 Operating InstructionsB-49
 Orifice
 Muffler 0.062"B-29, F-2
 Muffler 0.093"B-29, B-31
 Muffler 0.094"F-2

WORD INDEX

O-Ring C-3, C-12, C-15, C-16, C-18, C-20
 .35 X .08 B-19, F-2
 .47 X .08 B-19
 .644 X .087 F-2
 .92 X .12 B-19, B-23, B-27, B-33, F-2
 1.625" X .18 D-23
 15.3 X 2.20 mm C-9
 18.72 X 2.616 mm C-3, C-7
 19.30 X 2.20 mm C-4, C-11
 2 - 32 F-2
 2.62" X 0.14" B-19, F-2
 3-20 F-2
 4.38" X 0.14" B-17
 5.0" X 0.14" B-17
 8.10 X 1.60 mm C-3
 Minimum Pressure Valve D-29
O-Ring .644 X .087 B-29
O-Ring 2 - 32 B-29
O-Ring 3-20 B-27, B-29, B-31

P

Pan
 Center Belly B-3, D-5
 CRBSD Belly B-3, D-5
 Oil C-11
 STSD Belly B-3, D-5
Panel
 Instrument B-39
 Side B-45
Parts Ordering A-1
Pin
 Roll B-11
 Shoe Hold Down D-15
Piston D-29
 Unloader B-17
Plate
 Back D-17, D-19
 Bail Eye B-3
 Spacer D-5
Plate Assembly
 LH Back D-15
 RH Back D-15
Plug C-9, C-11
 1-5/8" O-Ring B-27
 Adjusting Slot D-15
 Cap B-26, F-2
 Drain C-18
 EZ Lube Dust B-9, D-13, D-17, D-19, F-3
 Glow C-4
 Hex Countersink 1-1/4" D-25
 Hex Countersink 3/8" NPT D-23
 Hole 2" B-45
 M18-2.5 X 1.5 W/ O-Ring C-9
 M22 -2.5 X 1.5 w/ Gasket C-11
 Pipe 1/8"-27 NPT C-16
Plunger Pin Kit B-11
ProTec
 1 Gallon F-3

Pulley
 Crankshaft C-12
 Fan C-12
 Idler C-12
Pump
 Fuel Transfer C-17
 Water C-12

R

Radiator B-23
Radiator Fill B-49
Rain
 Cap 2.50" B-21, F-3
Reel
 Hose D-23, D-25, D-27
Reflector
 Amber B-42
 Red B-42
Relay
 70 A B-25
Repair Kit
 Diaphragm B-29, B-31, F-2
Ring
 Snap C-4, C-9
Rivet
 3/16" Aluminum B-39
 3/16" X 1/8" B-45, B-49
Roof B-45
Rotating Fan Warning B-49, B-51
Running Gear
 EZ-Lube Electric Brakes D-11, D-13

WORD INDEX

S

Screw

11/32" HI-LO B-23, B-37, B-45
 Brake Mounting D-13
 Hex 1/4"-10 X .3/4" B-45
 Hex 3/8"-16 X 1.50" D-23
 Hex Flange M06-1.0 X 100 C-3
 Hex Flange M06-1.0 X 16 C-20
 Hex Flange M06-1.0 X 20 C-17
 Hex Flange M06-1.0 X 25 B-13
 Hex Flange M06-1.0 X 30 C-5
 Hex Flange M06-1.0 x 50 B-23
 Hex Flange M08-1.25 X 100 C-18
 Hex Flange M08-1.25 X 16 C-11, C-12
 Hex Flange M08-1.25 X 20 B-21, C-3, C-24
 Hex Flange M08-1.25 X 25 C-7
 Hex Flange M08-1.25 x 25 B-23
 Hex Flange M08-1.25 X 30 C-15, C-24
 Hex Flange M08-1.25 X 35 C-7
 Hex Flange M08-1.25 X 55 C-9
 Hex Flange M08-1.25 X 60 C-9, C-12, C-13
 Hex Flange M08-1.25 X 90 C-23
 Hex Flange M10-1.5 X 25 C-21
 Hex Flange M10-1.50 X 40 C-23
 Hex Flange M10-1.50 X 55 C-23
 Hex Flange M10-1.50 X 60 C-12
 Hex Flange M12-1.75 X 110 C-12
 Hex Flange M12-1.75 X 20 C-16
 Hex Flange M12-1.75 X 25 . B-3, B-5, C-19, D-3,

D-9

Hex Flange M12-1.75 X 30 B-43
 Hex Flange M12-1.75 X 38 C-19
 Hex Flange M12-1.75 X 40 B-3
 Hex Flange M16-2.0 X 30 B-7, D-11
 Hex Flange M16-2.0 X 50 D-6, D-7, D-9
 Hex M06-1.0 X 25 B-13, F-2
 Hex M08-1.25 X 100 B-15, D-22
 Hex M08-1.25 X 20 B-21
 Hex M08-1.250 X 16 B-13, B-25
 Hex M10-1.5 X 20 B-29, B-35
 Hex M12-1.75 X 20 B-21
 Hex M12-1.75 X 70 B-13, B-15
 Hex M16 -2.0 X 50 D-6, D-7, D-9
 Hex M16-2.0 X 120 B-5, D-3, D-6, D-7, D-9
 Hex M16-2.0 X 30 B-13, B-15
 Hex M16-2.0 X 50 B-13, B-15
 Hex M16-2.0 X 75 B-5, B-20, D-3
 Hex Socket Cap C-12
 Hex Socket Cap M06-1.0 X 16 C-20
 Hex Socket Cap M06-1.0 X 30 C-20
 M10-1.50 X 35 C-12
 Pan Head M06-1.0 X 16 B-39
 Plastic Tapping B-39
 Set M08-1.25 X 12 B-20
 Socket Head Cap 3/8"-16 X .3/4" B-20
 Socket Head Cap M10-1.5 X 30 B-19, B-20
 Socket Head Cap M10-1.50 X 35 B-17
 Tapping M04 X 25 B-51
 Tapping M06-1.0 X 12 . . B-3, B-23, B-37, B-45
 Tapping M06-1.0 X 14 . . B-7, B-23, B-42, D-25, D-27
 Tapping M08-1.25 X 20 . . B-3, B-5, B-13, B-15, B-20, B-23, B-25, B-27, B-29, B-41, B-42, B-43, B-45, D-3, D-5, D-6, D-7, D-9, D-22, D-25, D-27
 Tapping M08-1.25 X 40 B-41

Screw Assembly

Adjusting D-15

Seal

EZ-Lube Grease D-13
 Grease B-9, D-17, D-19, F-3
 Lip 67.25 X 48.12 B-17
 Rear Oil C-5
 U-Cup 1.88" X 1.63" B-19, F-2
 U-Cup 2.75" X 2.38" B-17

Sender

Pressure (OPTION) B-15

Sender/Switch

Combo Sensor (OPTION) B-15

Serial Number Plate

..... B-49

Shaft

Bearing D-23

Shield

Dust C-12

Shroud

Fan B-23

Solenoid

12 VDC C-20

WORD INDEX

Spacer		
Exhaust Manifold	C-13	
Fan	B-15	
Spring		
Adjusting	D-15	
Ball Retard	D-23	
CV Assembly	D-29	
Gas	B-45, F-3	
Minimum Pressure Valve	D-29	
Piston	D-29	
Retractor	D-15	
Shoe Hold Down	D-15	
Unloader	B-17	
Unloader Piston	B-17	
Standpipe Assembly	B-41	
Starter	C-21	
Stem		
Piston	B-17	
Valve	B-10, D-20, D-21	
Stiffner		
CRBSD Endcap	B-45	
STSD Endcap	B-45	
Stop		
Door	B-23, B-45	
Strap		
Engine Lift	C-24	
Ground	B-43	
Hold Down Exterior	B-41	
Hold Down Interior	B-41	
Stud		
Ball M08-125	B-45, F-3	
Wheel	B-9, D-13, D-17, D-19, F-3	
Support		
Cooler Middle	B-23	
LH Cooler	B-23	
RH Cooler	B-23	
SECU	B-37	
Switch		
12 PSI Pressure	B-15	
Ignition	B-39	
Pressure 12PSI NO	F-2	
Temperature	B-15	
Temperature 248° F	B-19, B-29, B-31, F-2	
T		
Tank		
Fuel	B-41	
Separator	B-27	
Tee		
1.06"-12 SAE X -12 JIC X -12 JIC	B-27, B-33	
1/8" NPT Male Run X 3/8" Tube	B-19, B-33	
Run 1/4" NPT X 3/8" Tube	B-29, B-33	
Street 1/4" NPT	B-29, B-33	
Street 1/8" NPT (OPTION)	B-15	
Tensioner		
Belt	C-12	
Thermostat		
Glow Plug	C-4	
Thermostat Kit	C-9	
Tire		
P215/75R15B	D-20	
ST205/75D15	B-10	
ST205/75D15C	D-20	
ST225/75D15D	D-20	
ST225/75D15D BIAS	D-21	
ST225/75R15D	D-20, D-21	
Tire and Wheel		
P215/75R15B	D-11, D-20	
ST205/75D15C	D-11, D-20	
ST225/75D15D	D-11, D-20, D-21	
ST225/75D15D BIAS	D-21	
ST225/75R15D	D-11, D-20	
Tire and Wheel Assembly	B-7, B-10	
Tire Load Decal	B-51	
Tow Chains Notice	B-51	
Tray		
Battery	B-43	
Tube		
Air - Separator Tank to Element	B-27, B-35	
Discharge Service Air	B-29, B-35	
Jack Mounting	B-5, D-3, D-6, D-7, D-9	
Oil	C-11	
Oil Intake	C-7	
Oil Return	C-7	
Sight Gage	B-27, F-2	
Tubing		
3/8" Synflex	B-33	
Turbocharger	C-15	
U		
U-Bolt		
1/4"-20	B-29, B-35	
1/4"-20 X 1.94" dia.	D-25, D-27	
Union		
1-1/4" NPT	D-28	
V		
V. I. N.	B-51	
Valve		
.062" Orifice Check	B-29, B-36, F-2	
0.078" Check w/ O-Ring	B-19, B-33, F-2	
2-Way Start-Run	B-33, B-39	
Ball 1/4" NPT	B-29, B-31	
Ball 3/4"NPT	D-25, D-27	
Blowdown	B-29, B-31, F-2	
Drain	C-12	
Drain 1/4" NPT X .3/8"	B-23	
Dust Ejector	B-26, F-2	
Globe	D-23	
Minimum Pressure Check	D-25, D-27	
OSHA Check	D-25, D-27	
Pressure Regulator 200 PSI	B-29, B-33, F-2	
Safety 200 PSI	B-27, F-2	
Unloader	B-17	
Wye	B-29, B-35, F-3	

WORD INDEX

Valve Assembly
Minimum PressureD-29

W

WasherC-3, C-7
3/8" LockD-23
FlatB-5, D-3, D-6, D-7, D-9
Flat 1/2"B-13, B-15, B-21, B-29
Flat 1/4"B-13, F-2
Flat 5/16"B-15
Flat 7/8"D-25, D-27
Flat 8mmC-18
Flat M08B-21
PlasticB-43
Sealing 5 mmC-3
Snubber 2.25" X 5/8"B-20
Snubber 3.0" X 5/8"B-20
SnubbingB-13, B-15
SpindleB-9, D-13, D-17, D-19, F-3
TangB-9, D-13, D-17, D-19, F-3
Wheel
15 X 6B-10, D-20
15 X 6 6 ON 5.50D-21

Y

Yoke
Caster WheelB-11

Revision History

<u>Rev Level</u>	<u>EC Number</u>	<u>Comments</u>
A	SVC31162	Original Release
B	SVC31178	Up Date to Pre-Production EC CPR33316
C	SVC31192	Added Service Parts Section; Revised Decal Locations; Added Cap to Coolant Recovery Bottle

Revision History

<u>Rev Level</u>	<u>EC Number</u>	<u>Comments</u>
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