

PARTS MANUAL



Doosan Infracore
Portable Power

XXHP1270/XHP1500FCAT-T3 (D58)

COMPRESSOR MODEL

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Section A - Parts Ordering

GENERAL

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

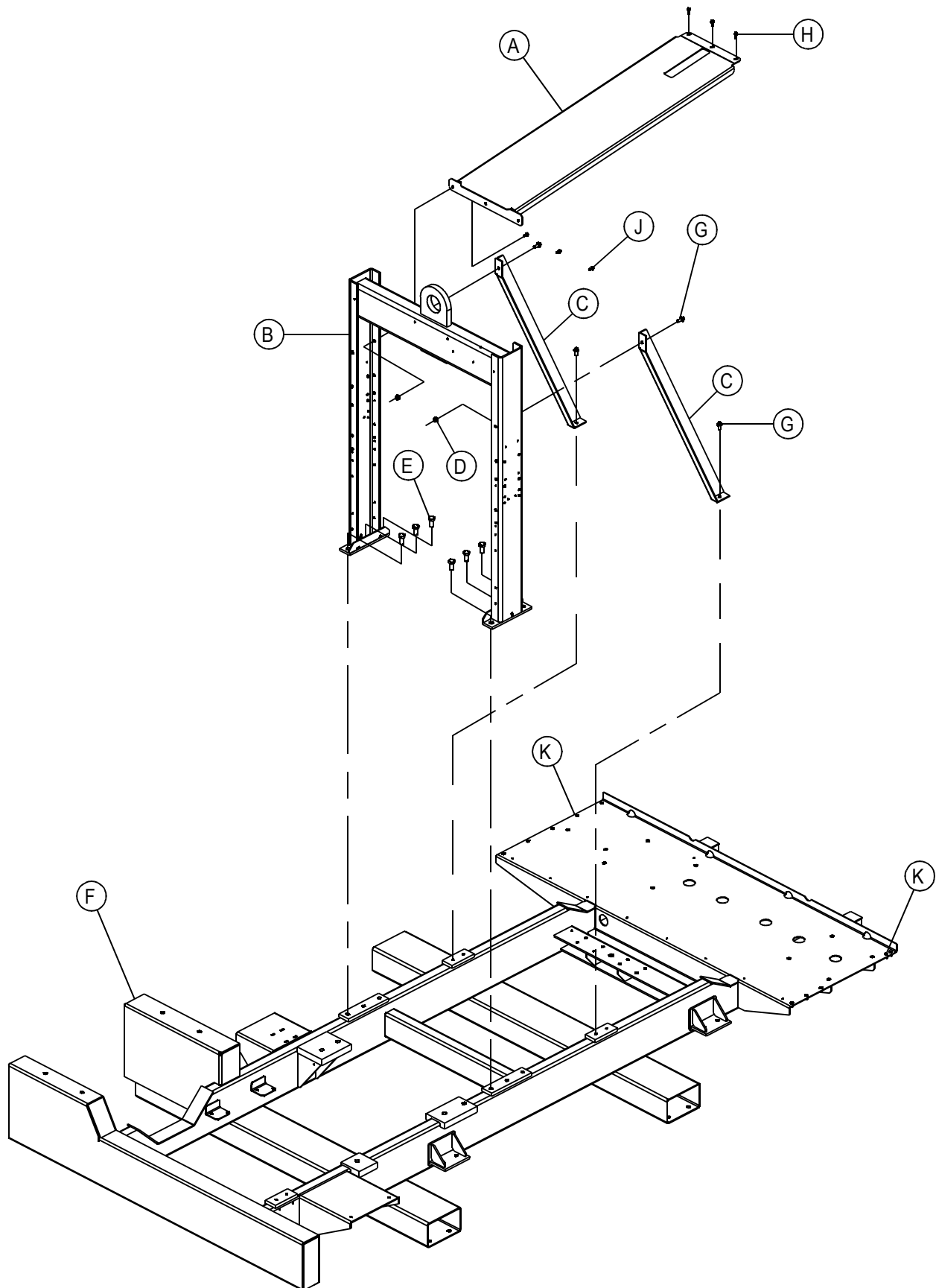
Always specify the model and serial number of the unit.

Specify the part number and description.



Section B - COMPRESSOR PARTS

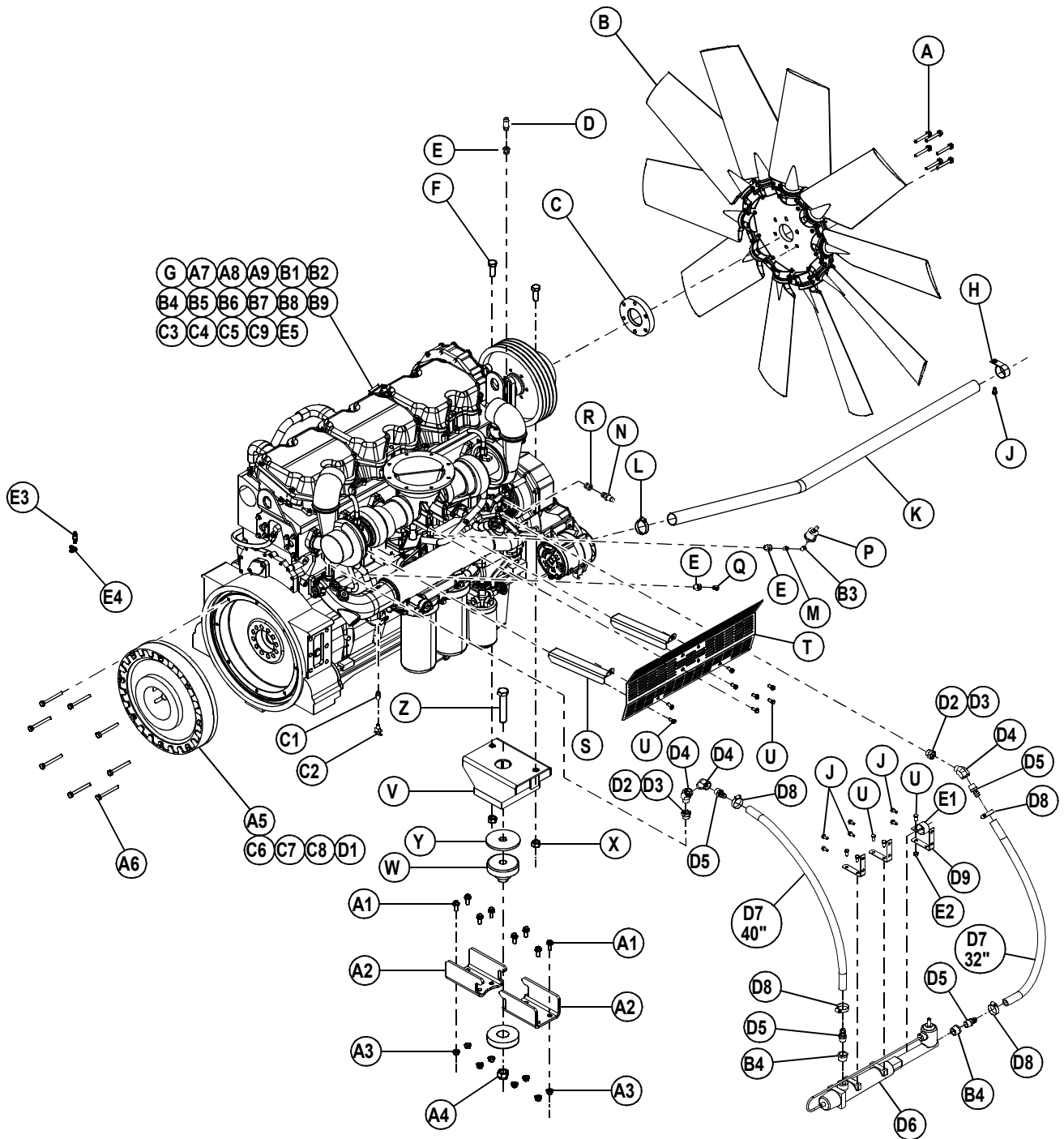
FRAME and LIFTING BAIL



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23312085	Support, Cooler Bracing	1	
B	23105398	Bail, Lifting	1	
C	23226400	Brace, Lifting Bail	2	
D	36789203	Nut, Hex Flange M12-1.75	2	
E	96700901	Screw, Hex Head M20-2.50 X 40	6	
F	23031115	Frame	1	
G	36888055	Screw, Hex Flange M12-1.75 X 30	4	
H	36889608	Screw, Hex Flange M08-1.25 X 25	3	
J	35279025	Screw, Hex Tapping M08-1.25 X 20	3	
K	36895746	Nutsert, Hex M08-1.25	12	

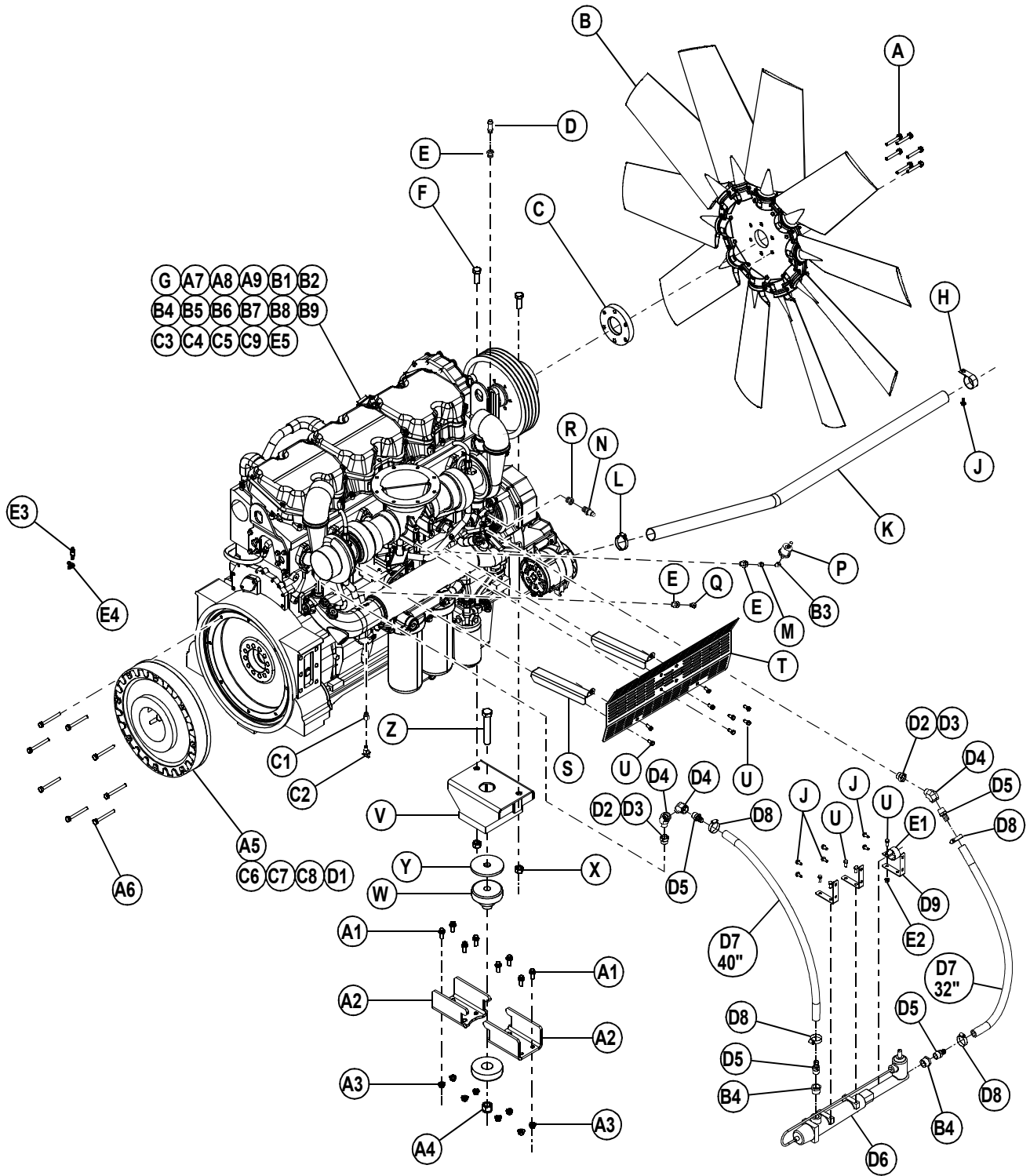
ENGINE MOUNT



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95934477	Screw, Hex Head 1/2"-13 X 2.75"	6	
B	23207129	Fan	1	
C	23281470	Spacer, Fan	1	
D	35310598	Fitting, 1/4" NPT to Barbed Hose	1	
E	35316348	Adapter, 3/4"-16 X 1/4" NPT	3	
F	95934378	Screw, Hex Head 3/4"-10 X 2.0"	2	
G	23114382	Engine, CAT C-18	1	
H	35119718	Clamp, 1" Support	1	
J	35279025	Screw, Hex Tapping M08-1.25 X 20	7	
K	23293400	Hose, Engine Vent	1	
L	35221662	Clamp, 1.312" Hose	1	
M	95930301	Bushing, Reducer 1/4" NPT to 1/8" NPTF	1	
N	36841138	Sender, Temperature 300° F 1/4" NPT	1	
P	36870608	Sender, Pressure 0-150 PSI	1	
Q	35290253	Elbow, 45° 1/4" NPT X -6 JIC	1	
R	22698070	Adapter, C'Bore 1/4" NPT X 1.06"-12	1	
S	23303340	Brace, Turbo Heat Shield	2	
T	23300288	Shield, Turbo Heat	1	
U	95934550	Screw, Hex Head 3/8"-16 X 3/4"	13	
V	23220874	Bracket, Engine Support	1	
W	23170434	Isolator	1	
X	95922928	Nut, Hex 3/4"-10	2	
Y	54610621	Washer, Snubber	1	
Z	96729553	Screw, Hex Head M24-3.0 X 140	1	
A1	36888055	Screw, Hex Flange M12-1.75 X 30	8	
A2	23221120	Restraint, Front Engine Mount	2	
A3	36879203	Nut, Hex Flange M12-1.75	8	
A4	54730957	Nut, Hex Nyloc M24-3.0	1	
A5	23119100	Coupling, Drive	1	
A6	95935169	Screw, Hex Head 1/2"-13 X 4.0"	8	
A7	22090526	Filter, Secondary Fuel	1	
				Continued

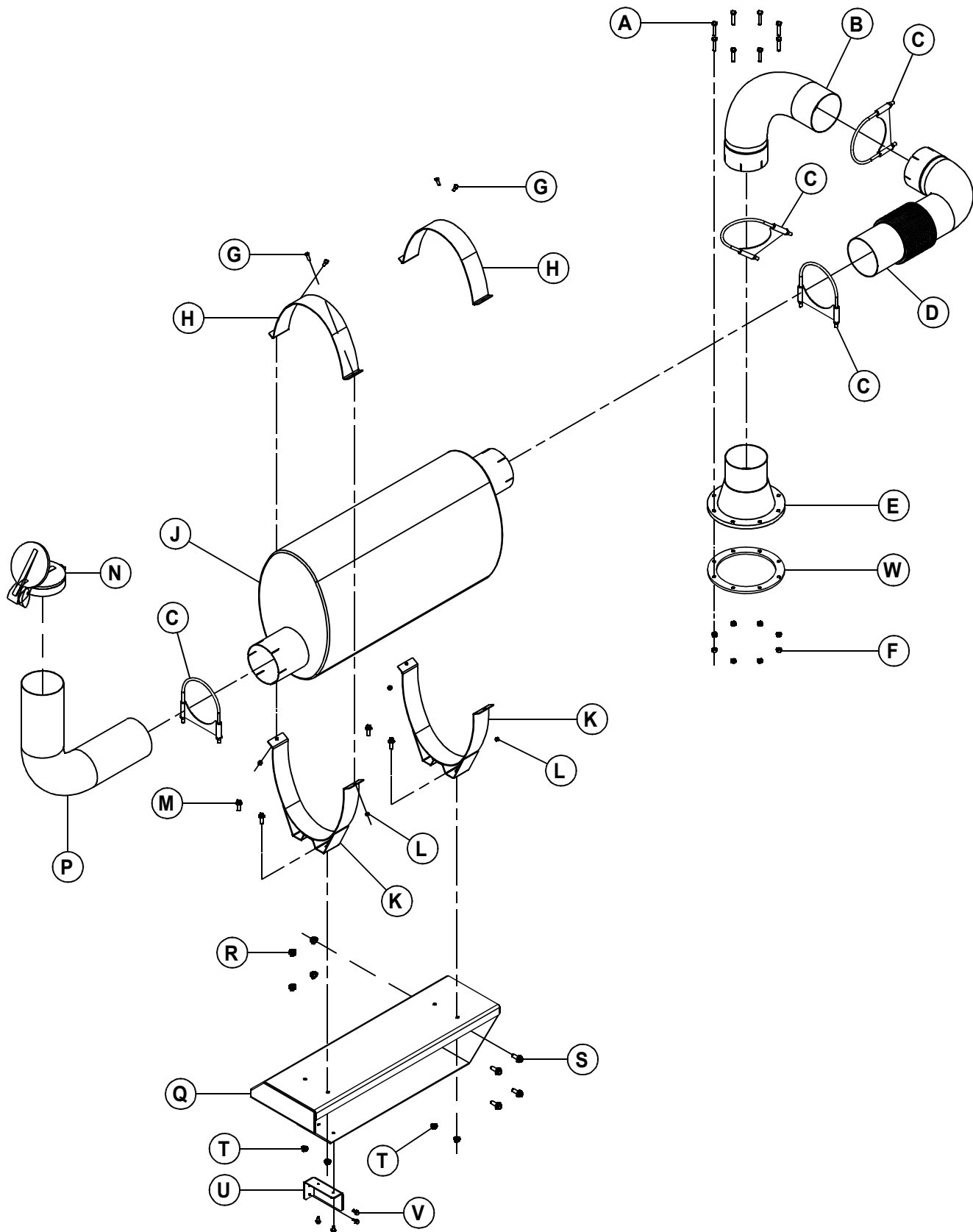
ENGINE MOUNT



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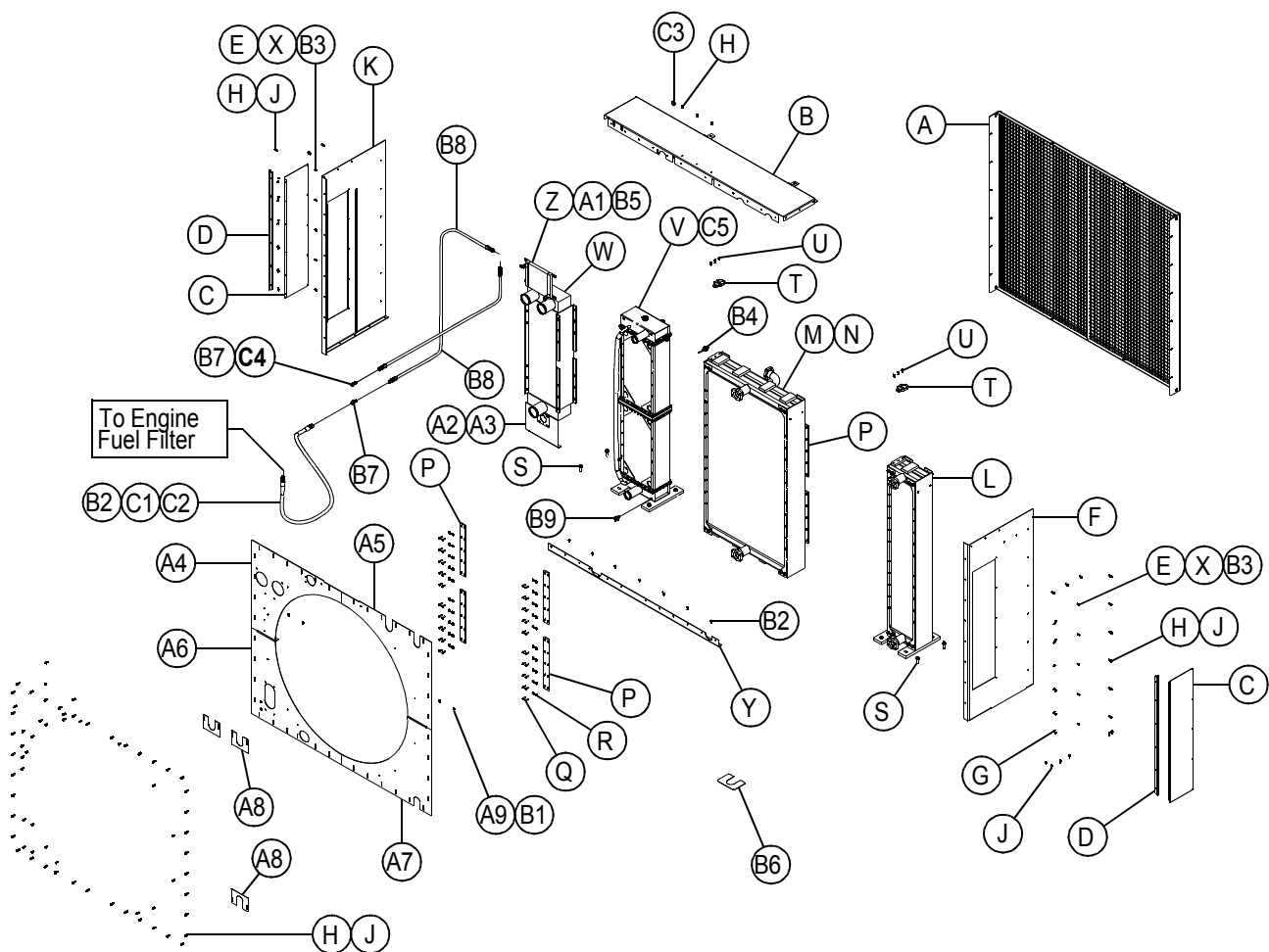
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A8	22730014	Filter Assembly, Fuel / Water	1	...Continued
A9	22730022	Bowl Assembly, Fuel / Water	1	
B1	35362235	Element, Lube (Engine)	1	
B2	35362268	Element, Water (Engine)	1	
B3	95250353	Elbow, 90° Street 1/8" NPT	1	
B4	95944617	Bushing, Reducing 1.0" NPT to 3/4" NPT	3	
B5	35294735	Elbow, 90° Tube 3/4" NPT X 3/4" Tube	1	
B6	35323880	Hose Assembly, -12 JIC X 79"	1	
B7	36777399	Valve, 3/4" NPT Ball	1	
B8	95219747	Connector, Hex 3/4" NPT X 3/4" Tube	1	
B9	95947149	Plug, Hex Socket Pipe 3/4" NPT	1	
C1	35302314	Adapter, Hex 1/4" NPT X 9/16"-18	1	
C2	36782167	Valve, Bib Drain 1/4" NPT	1	
C3	46490603	Alternator	AR	
C4	46490611	Starter	AR	
C5	46490678	Belt Set, Fan Drive	AR	
C6	23119134	Bushing, Drive Coupling	1	
C7	23119126	Coupling, Rubber Element	AR	
C8	23119118	Ring, Drive Coupling	AR	
C9	46491221	Belt, Alternator	AR	
D1	46551835	Screw, Socket Head Set 3/4"-10	AR	
D2	35279116	Adapter, O-Ring 3/4" NPTF X 1.06"-12 SAE	2	
D3	35279124	O-Ring, 0.93" ID X 0.116" Cross Sect.	AR	
D4	95264933	Elbow, 45° Street 3/4" NPTF X 3/4" NPTM	3	
D5	24909236	Nipple, Barbed 3/4" NPT X 1" Hose	4	
D6	46497665	Heater, Clirculation	1	
D7	35286327	Hose, 3/4" ID	~	
D8	95220851	Clamp, Hose	4	
D9	46497673	Bracket, Heater	3	
E1	35113877	Clamp, Support 1.75" Rubber Coated	1	
E2	35145077	Nut, Hex Flange 3/8"-16	1	
E3	35306166	Atomizer Assembly	1	
E4	35103498	Elbow, Valve Fitting	1	
E5	95257325	Cap, 1/2" Tube	1	

EXHAUST



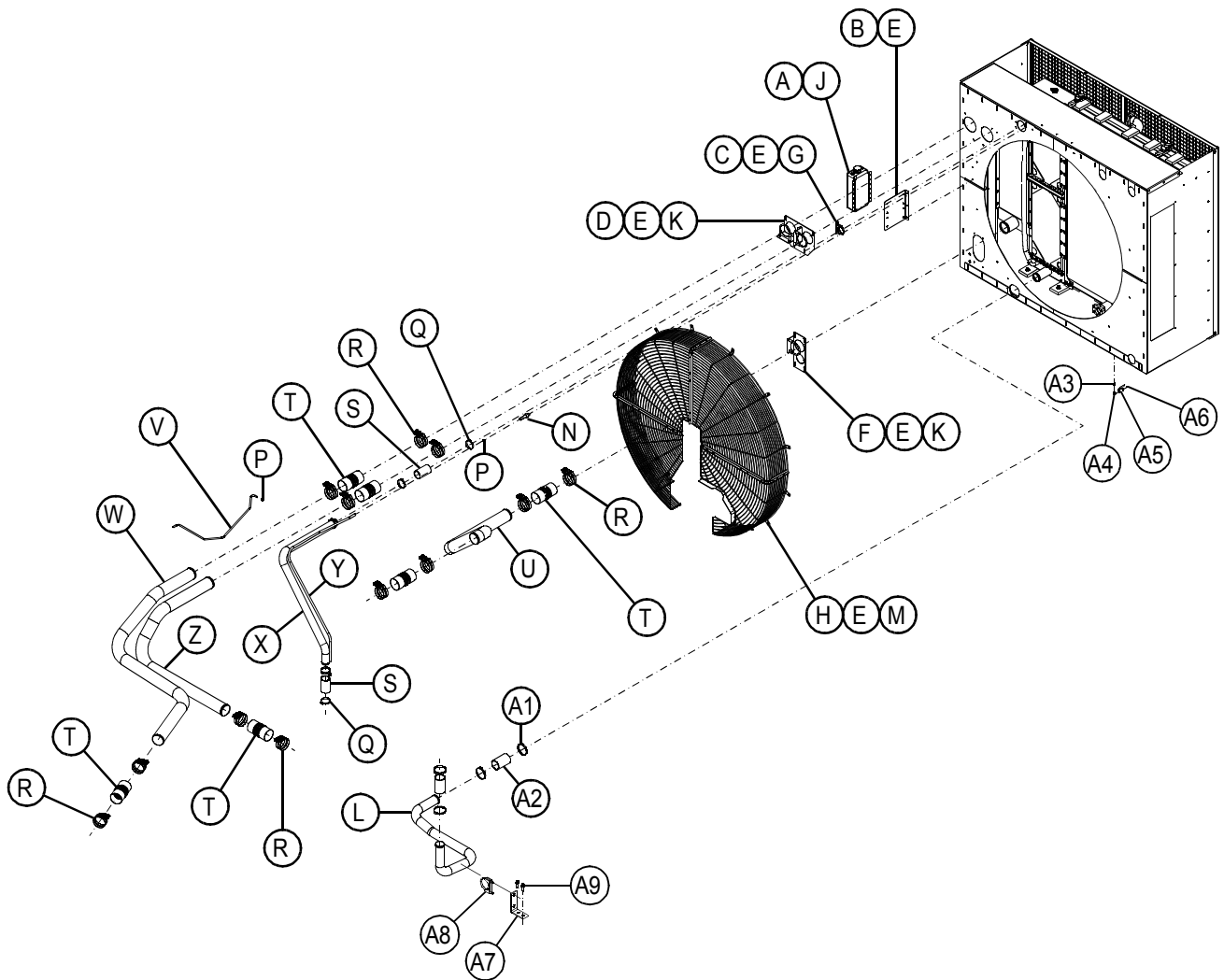
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702428	Screw, Hex Head M10-1.50 X 45	8	
B	23205925	Elbow, Exhaust	1	
C	36896579	Clamp, 6" Saddle	4	
D	23366198	Elbow, Exhaust Flex	1	
E	23205891	Transition, Exhaust	1	
F	36879195	Nut, Hex Flange M10-1.50	8	
G	36889608	Screw, Hex Head M08-1.25 X 25	4	
H	23207566	Clamp, Top Muffler	2	
J	23207269	Muffler	1	
K	23207558	Clamp, Lower Muffler	2	
L	36881886	Nut, Hex Lock M08-1.25	4	
M	36880995	Screw, Hex Flange M10-1.50 X 30	4	
N	35851351	Cap, Rain	1	
P	23045545	Elbow, Exhaust Tailpipe	1	
Q	23206667	Support, Muffler	1	
R	36879203	Nut, Hex Flange M12-1.75	4	
S	36888055	Screw, Hex Flange M12-1.75 X 30	4	
T	36879195	Nut, Hex Flange M10-1.50	4	
U	23366222	Bracket, Muffler Support	1	
V	92368687	Screw, Tapping M06-1.0 X 14	4	
W	46499919	Gasket, Engine Exhaust	1	

COOLER MOUNTING



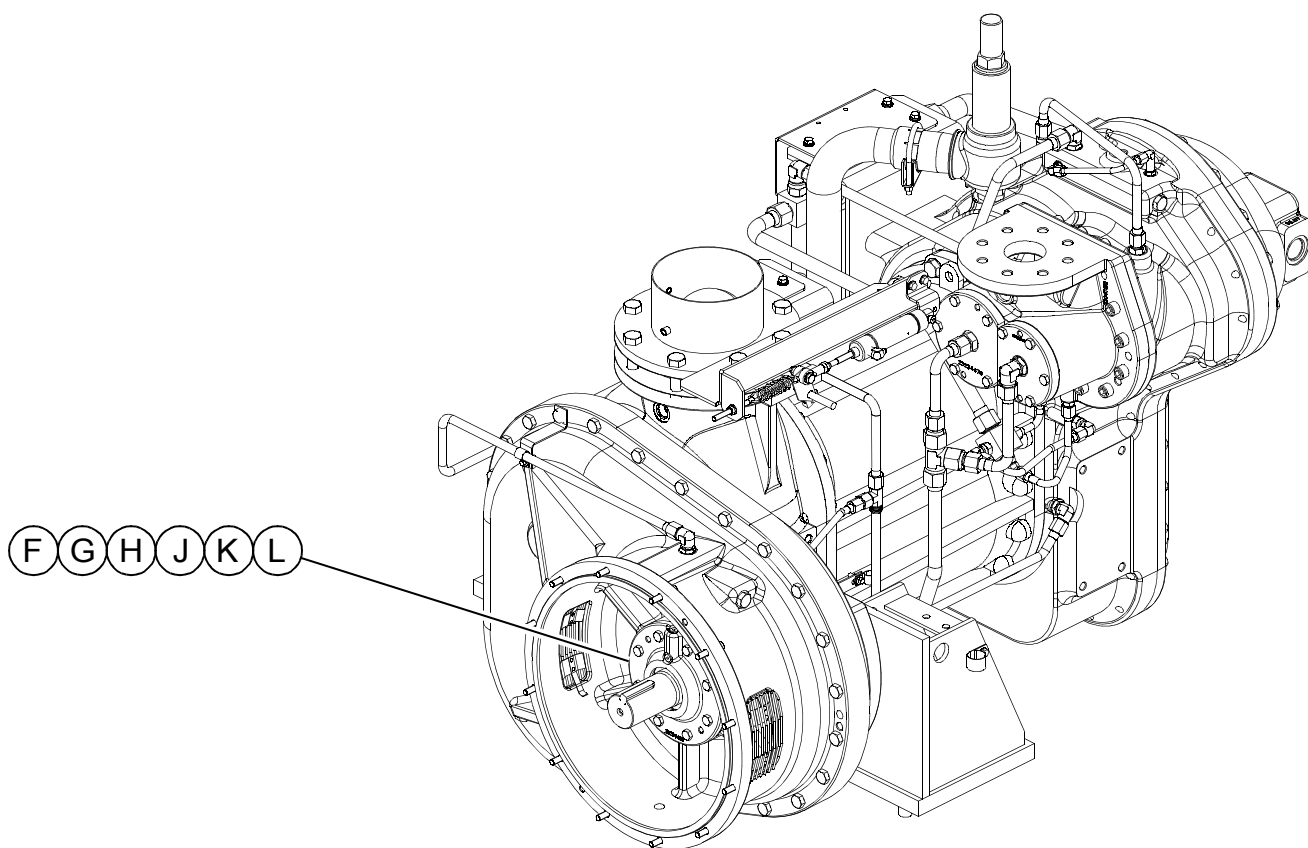
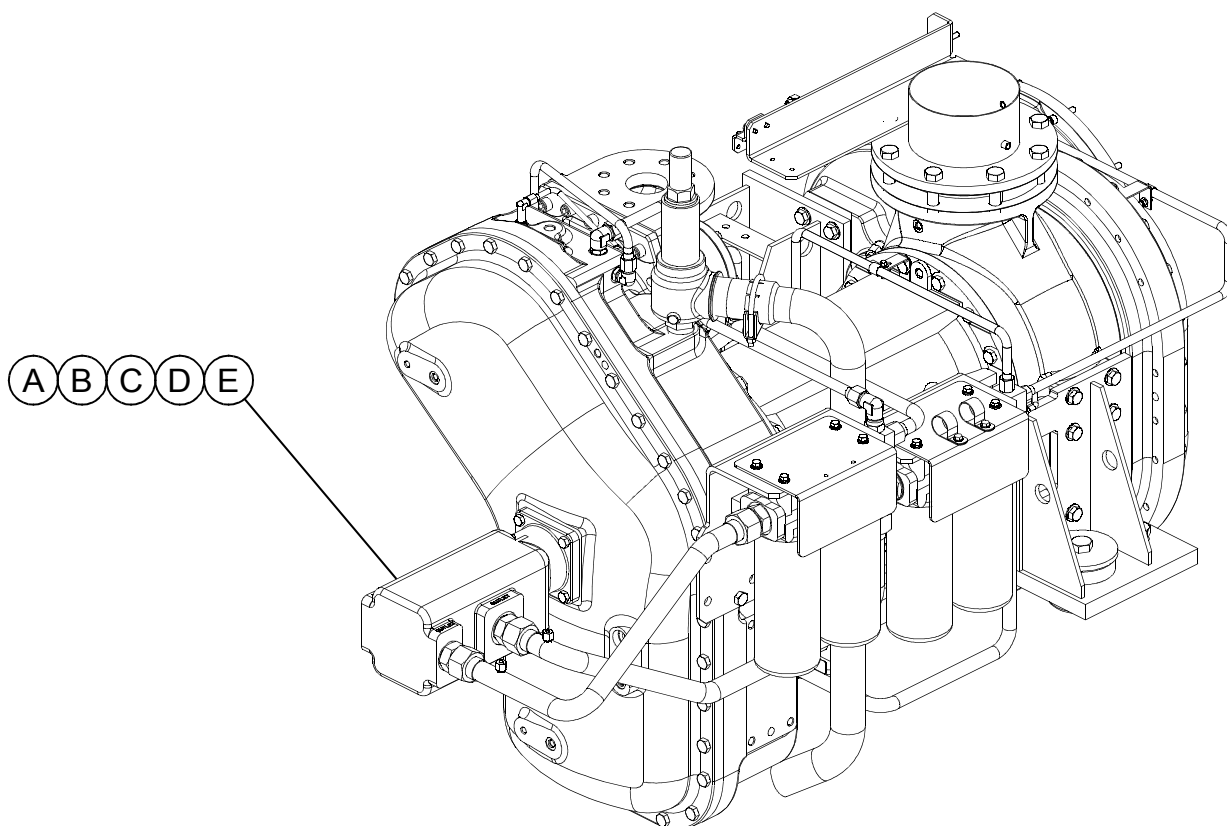
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23194715	Guard, Cooler Brush	1	
B	23341829	Shroud, Top Cooler	1	
C	23193865	Door, Cooler Cleanout	2	
D	23166192	Hinge, Cooler Cleanout Door	2	
E	23322654	Screw, Captive M06-1.0 X 12	10	
F	23156615	Support, Aftercooler	1	
G	92368687	Screw, Tapping M06-1.0 X 14	23	
H	36895746	Nutsert, Hex M08-1.25	90	
J	36889608	Screw, Hex Flange M08-1.25 X 25	108	
K	23156623	Support, Charge Air	1	
L	23170418	Aftercooler	1	
M	23170400	Cooler, Oil	1	
N	23283633	Bracket, Radiator	2	
P	23283641	Bracket, Cooler Mounting	6	
Q	95920674	Screw, Hex Head 3/8"-16 X 1.0"	80	
R	95934907	Washer, Flat 3/8"	80	
S	36879302	Screw, Hex Flange M16-2.0 X 50	8	
T	23305246	Bracket, D-Ring	2	
U	95934550	Screw, Hex Head 3/8"-16 X 3/4"	6	
V	23170392	Radiator	1	
W	23170426	Cooler, Charge Air	1	
X	36921344	Nutsert, Hex M06-1.0	10	
Y	23341803	Angle, Cooling Package	1	
Z	23270937	Cooler, Fuel	1	
A1	35279801	Elbow, 90° O-Ring Swivel 3/4"-16 X -8 JIC	2	
A2	23342421	Plate, Cover	2	
A3	23341811	Baffle, Charge Air Cooler	1	
A4	23341795	Shroud, Upper Left Fan	1	
A5	23296650	Shroud, Upper Right Fan	1	
A6	23341431	Shroud, Lower Left Fan	1	
A7	23341787	Shroud, Lower Right Fan	1	
A8	23300304	Plate, Cover	3	
A9	36898096	Screw, Hex Flange M06-1.0 X 20	4	
B1	36898104	Nut, Hex Flange M06-1.0	4	
B2	35279025	Screw, Hex Tapping M08-1.25 X 20	10	
B3	23322662	Washer, Retaining M06	10	
B4	22102339	Sensor, Coolant Level	1	
B5	35278589	O-Ring, 0.644" ID X 0.087" Cross Sect.	AR	
B6	23311103	Shim, Cooler	AR	
B7	95364964	Fitting, Bulkhead -8 JIC	2	
B8	35305481	Hose Assembly, -8 JIC X 88"	2	
B9	36782167	Valve, Bib Drain 1/4" NPT	1	
C1	35286541	Hose Assembly, -8 JIC X 68"	1	
C2	35225077	Clamp, 5/8" Support	2	
C3	35285162	Grommet	1	
C4	95257325	Cap, 1/2" Tube	1	
C5	22078190	Cap, Radiator	AR	

COOLER PIPING



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36845600	Bottle, Coolant Recovery	1	
B	23236235	Bracket, Water Bottle	1	
C	23310501	Bracket, Tube Clamp	1	
D	23299175	Plate, Dual Tube Cover	1	
E	36889608	Screw, Hex Flange M08-1.25 X 25	38	
F	23341449	Plate, Single Tube Cover	1	
G	35209048	Clamp, Saddle 2.50" ID	1	
H	23196157	Guard, Fan	1	
J	36797652	Screw, Tapping M06-1.0 X 12	8	
K	35111731	Clamp, Saddle 4.0" ID	3	
L	23138845	Tube, Bottom Radiator	1	
M	36881886	Nut, Hex Flange M08-1.25	18	
N	35310598	Fitting, Barbed Hose 1/4" NPT to 3/8" Hose	1	
P	35296342	Clamp, Hose Wormgear 3/16" ID	4	
Q	35222017	Clamp, Hose Wormgear 3.125" ID	4	
R	54444427	Clamp, Spring Loaded T-Bolt 4.25" ID	24	
S	35330570	Connector, Hose 2.50" ID	2	
T	23341845	Connector, Flexible 8" Lg	6	
U	23154941	Tube, Charge Air Bottom	1	
V	35360775	Tubing, 5/16" ID	82"	
W	23200041	Tube, Charge Air Back	1	
X	23138837	Tube, Top Radiator	1	
Y	35285600	Hose, Fuel 3/8" ID	76"	
Z	23200033	Tube, Charge Air Front	1	
A1	95402780	Clamp, Hose Wormgear 4.0" ID	4	
A2	23181803	Hose, Coolant 3.0" ID	2	
A3	95944567	Nipple, Short 1/4" NPT X 1.50"	1	
A4	95279998	Elbow, 90° Street 1/4" NPT	1	
A5	23299472	Valve, Ball 1/4" NPT	1	
A6	95928230	Plug, Hex Socket Pipe 1/4" NPT	1	
A7	46490769	Support, Radiator	1	
A8	35113646	Clamp, Saddle 3.0" ID	1	
A9	35279025	Screw, Hex Tapping M08-1.25 X 20	2	

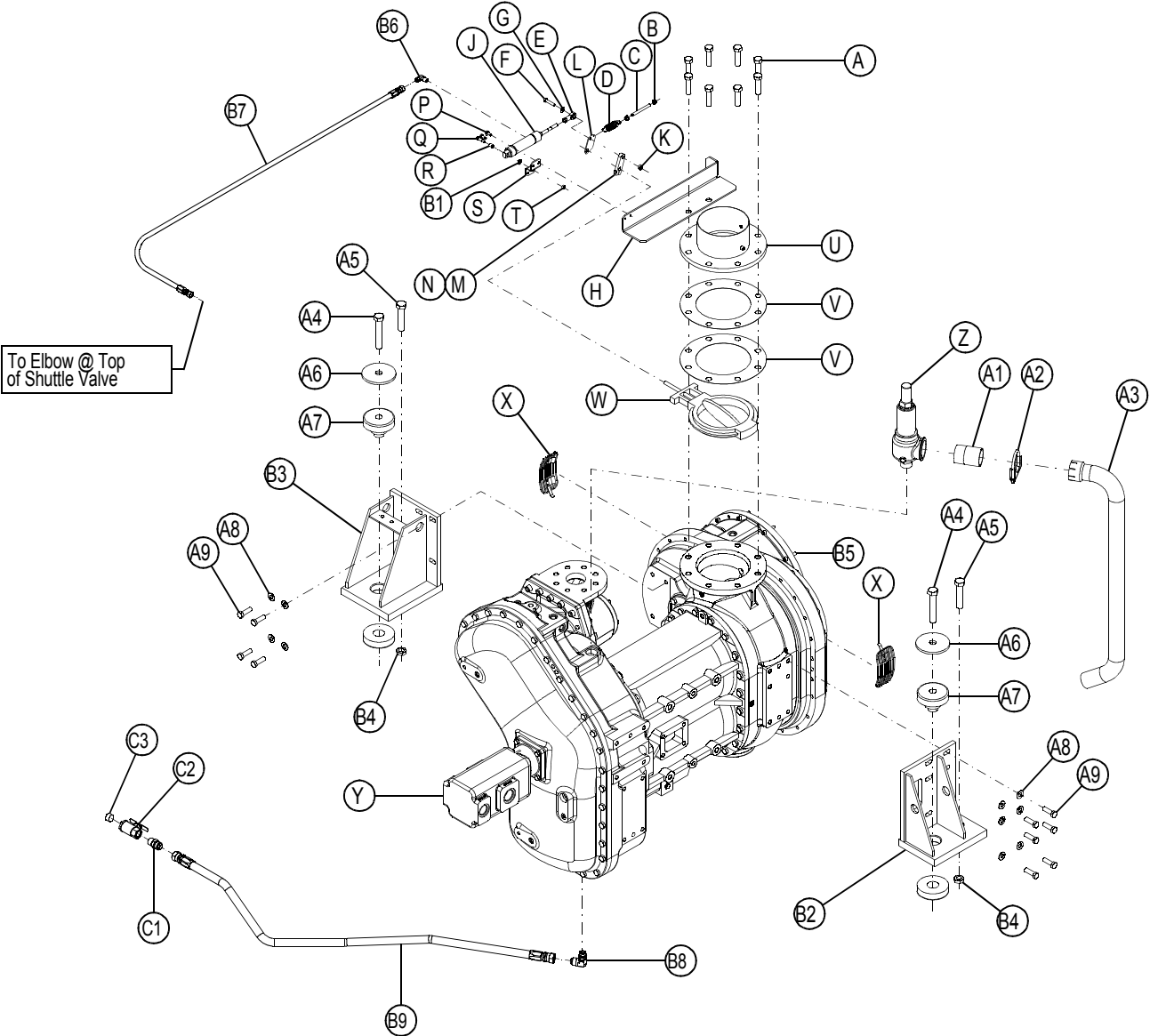
AIREND FRONT SEAL and OIL PUMP



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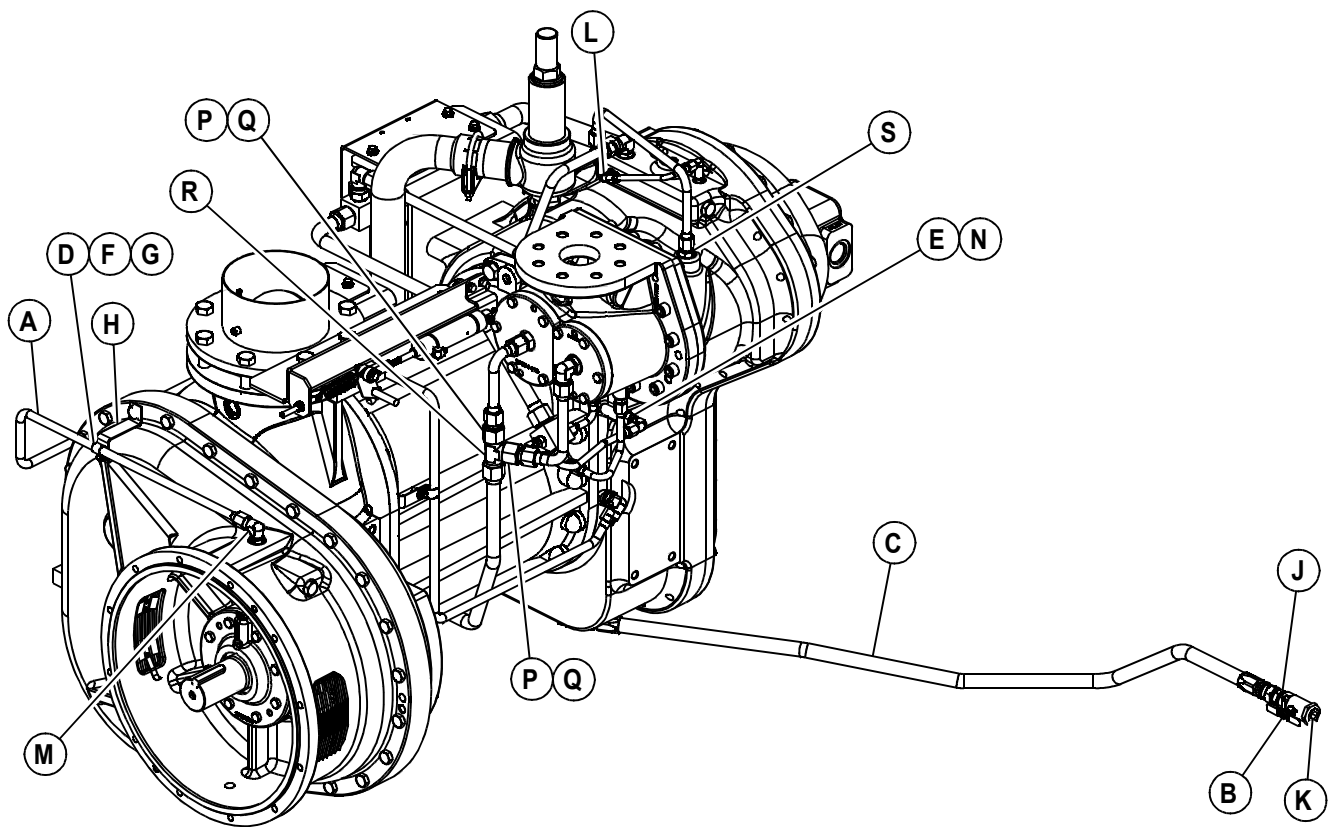
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23268600	Pump, Oil	1	
B	95053047	Screw, Hex 1/2"-13 X 1.25"	4	
C	95098053	O-Ring, 5.0" ID X 0.125" Cross Sect.	1	
D	23097991	Coupling, Oil Pump	1	
E	96708227	Screw, Hex Socket Head Cap M10-1.5 X 100	4	
F	96712179	Screw, Hex M12-1.75 X 35	4	
G	35367069	Key, Square 15.88 SQ X 76.2	1	
H	95938924	Plug, Hex Socket O-Ring	2	
J	23234511	Cover, Input Shaft	1	
K	35596626	Seal, Shaft	1	
L	95058194	O-Ring, 5.25" ID X 0.125" Cross Sect.	1	

AIR END MOUNTS



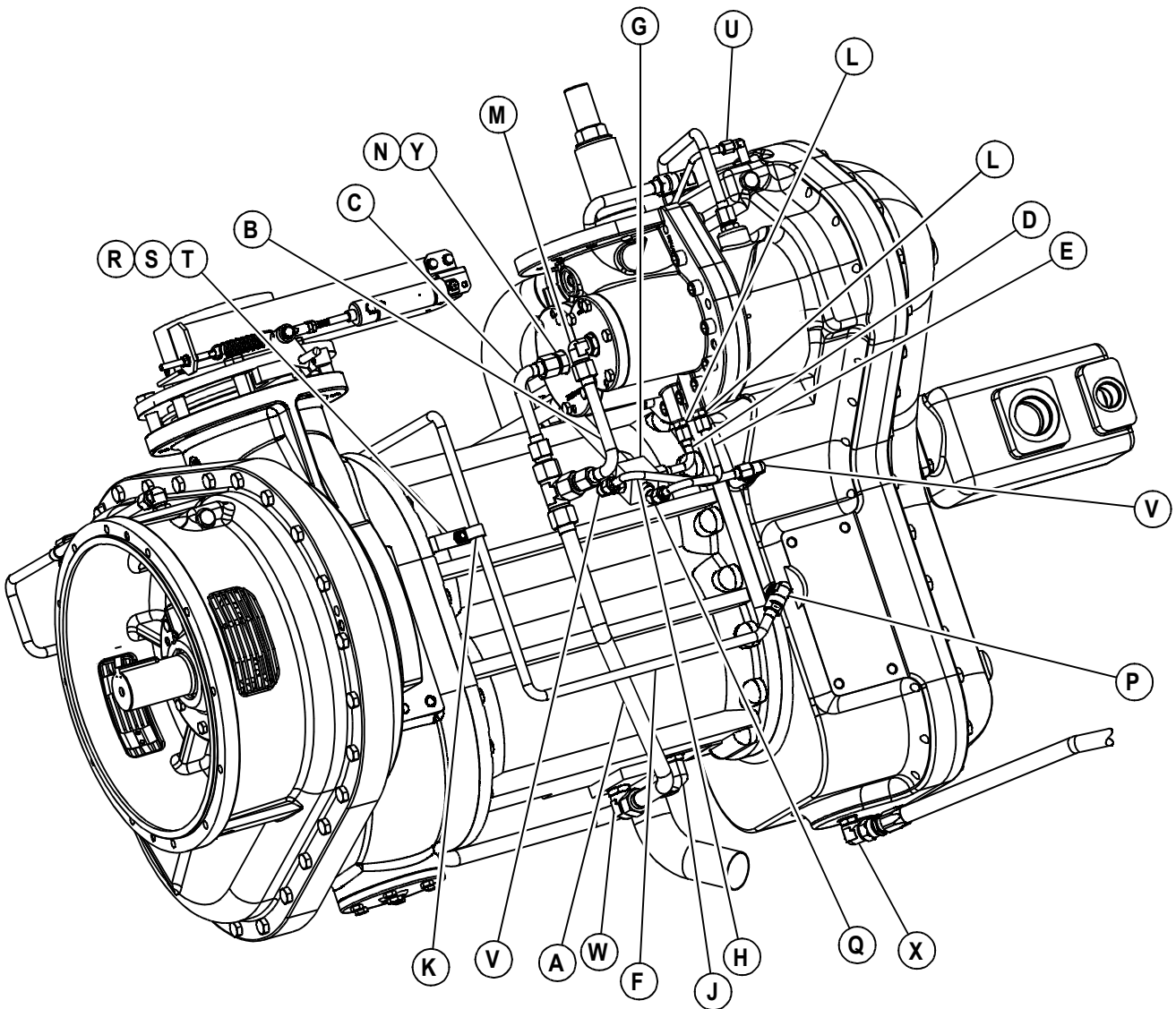
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35375963	Screw, Hex Head M20-2.50 X 75	8	
B	35145077	Nut, Hex Flange 3/8"-16	1	
C	35605799	Adjuster, Spring	1	
D	35579523	Spring, Extension	1	
E	35300532	Rod End, Bearing	1	
F	96702428	Screw, Hex Head M10-1.50 X 45	1	
G	95935037	Washer, Flat 3/8"	1	
H	23263403	Bracket, Air Cylinder Mounting	1	
J	35584689	Cylinder, Air	1	
K	35273366	Nut, Hex Nyloc M10-1.50	1	
L	23310154	Plate, Spring Tension	1	
M	36898096	Screw, Hex M06-1.0 X 20	1	
N	23163819	Lever, Control	1	
P	35279025	Screw, Hex Tapping M08-1.25 X 20	2	
Q	95326609	Screw, Hex Soc 3/8"-18 X 3/4" Shoulder	1	
R	35288885	Bushing, 3/8" ID X 0.62" Lg	1	
S	23263429	Bracket, Air Cylinder Pivot	1	
T	95923314	Nut, Hex Nyloc 5/16"-18	1	
U	36884997	Flange, Unloader Inlet	1	
V	36754059	Gasket, Unloader	2	
W	36884112	Valve, Unloader Butterfly	1	
X	23272909	Guard, Hand	2	
Y	23164502	Airend, HR4	1	
Z	23284623	Valve, Relief 200 PSI	1	
A1	95857926	Nipple, Pipe 1/2" X 4.0"	1	
A2	35113646	Clamp, Saddle 3.0" ID	1	
A3	23308315	Pipe, Safety Valve Discharge	1	
A4	96729553	Screw, Hex Head M24-3.0 X 140	2	
A5	96712724	Screw, Hex Head M24-3.0 X 110	2	
A6	54610621	Washer, Snubbing	2	
A7	23170434	Isolator	2	
A8	95935052	Washer, Flat 5/8"	10	
A9	96703962	Screw, Hex Head M16-2.0 X 50	10	
B1	95934998	Washer, Flat 5/16"	1	
B2	23037708	Bracket, RH Airend Mounting	1	
B3	23087588	Bracket, LH Airend Mounting	1	
B4	96751193	Nut, Hex Jam M24-3.0	2	
B5	23306640	Screw, Hex Soc Head Cap 7/16"-14 X 2.0"	12	
B6	35306687	Elbow, 90° Tube 1/8" NPT to -4 JIC	1	
B7	46497921	Hose Assembly, -4 JIC X 1540	1	
B8	95984563	Elbow, 90° O-Ring 7/8"-14 X 3/4" Tube	1	
B9	23366214	Hose Assembly, -12 JIC X 1475	1	
C1	95219747	Connector, Hex 3/4" NPT X 3/4" Tube	1	
C2	23299480	Valve, Ball 3/4" NPT	1	
C3	95947149	Plug, Hex Socket Pipe 3/4" NPT	1	

AIREND PIPING - LH ENGINE END



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23235641	Tube Assy., 1st Stage Filter to Relief Valve	1	
B	23299480	Valve, Ball 3/4" NPT	1	
C	23366214	Hose Assembly, -12 JIC X 1475	1	
D	35225077	Clamp, 5/8" Support	1	
E	35288166	Connector, O-Ring 3/4"-16 SAE X -8 JIC	1	
F	36881886	Nut, Hex Flange M08-1.25	1	
G	36889608	Screw, Hex Flange M08-1.25 X 25	1	
H	46490165	Bracket, Tube Clamp	1	
J	95219747	Connector, Hex 3/4" NPT X 3/4" Tube	1	
K	95947149	Plug, Hex Socket Pipe 3/4" NPT	1	
L	95976775	Elbow, 90° O-Ring 5/8"-18 X 3/8" Tube	1	
M	96746078	Elbow, 90° O-Ring 7/8"-14 X 5/8" Tube	1	
N	35278589	O-Ring, 0.64" ID X 0.087" Cross Sect.	AR	
P	35358050	Adapter, Hex	2	
Q	35358068	Nut, Hex Adapter	2	
R	95953352	Tee, Union 1.31"-12	1	
S	96752944	Connector, O-Ring 7/8"-14 X 5/8" Tube	1	

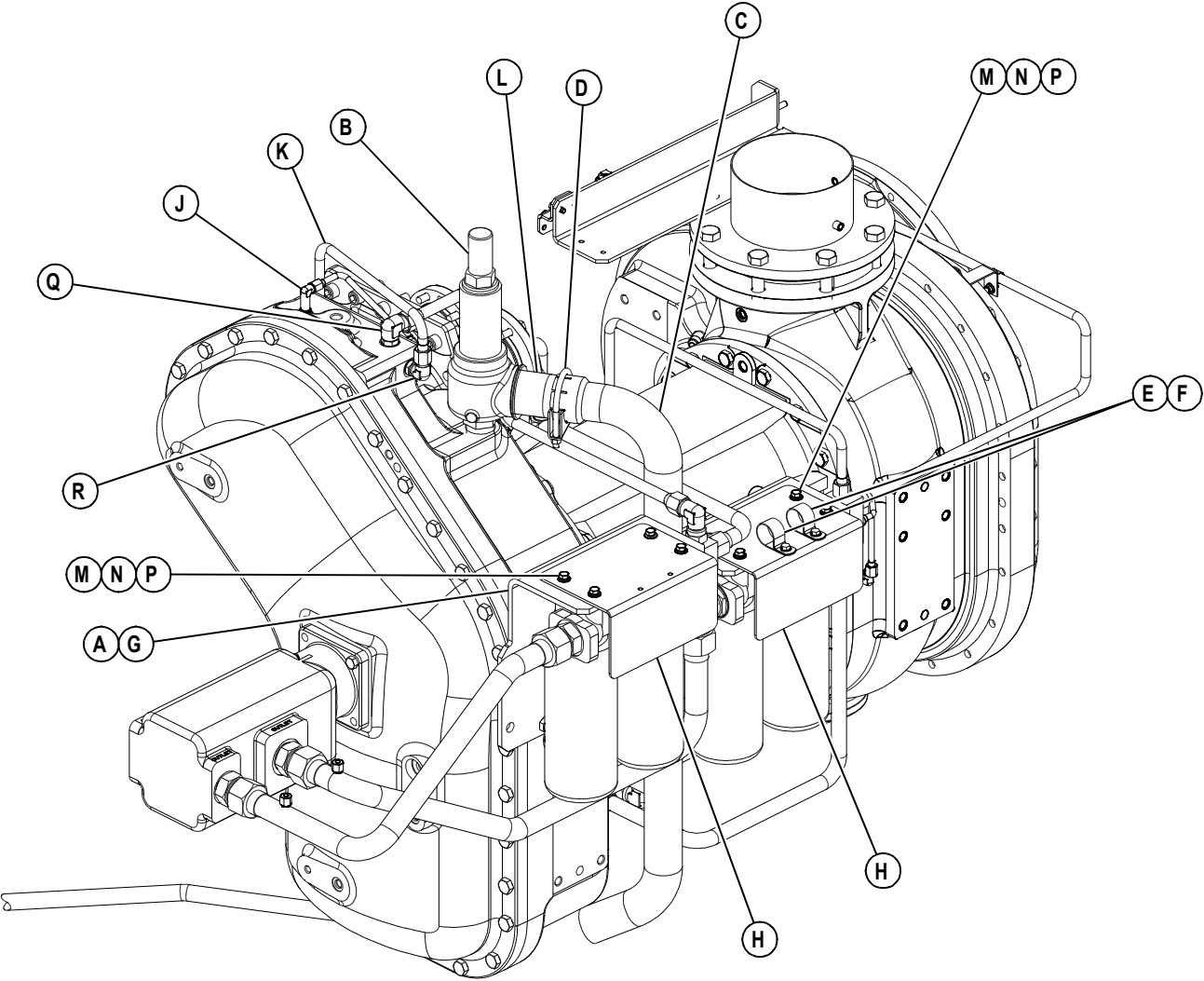
AIREND PIPING - LH BOTTOM ENGINE END



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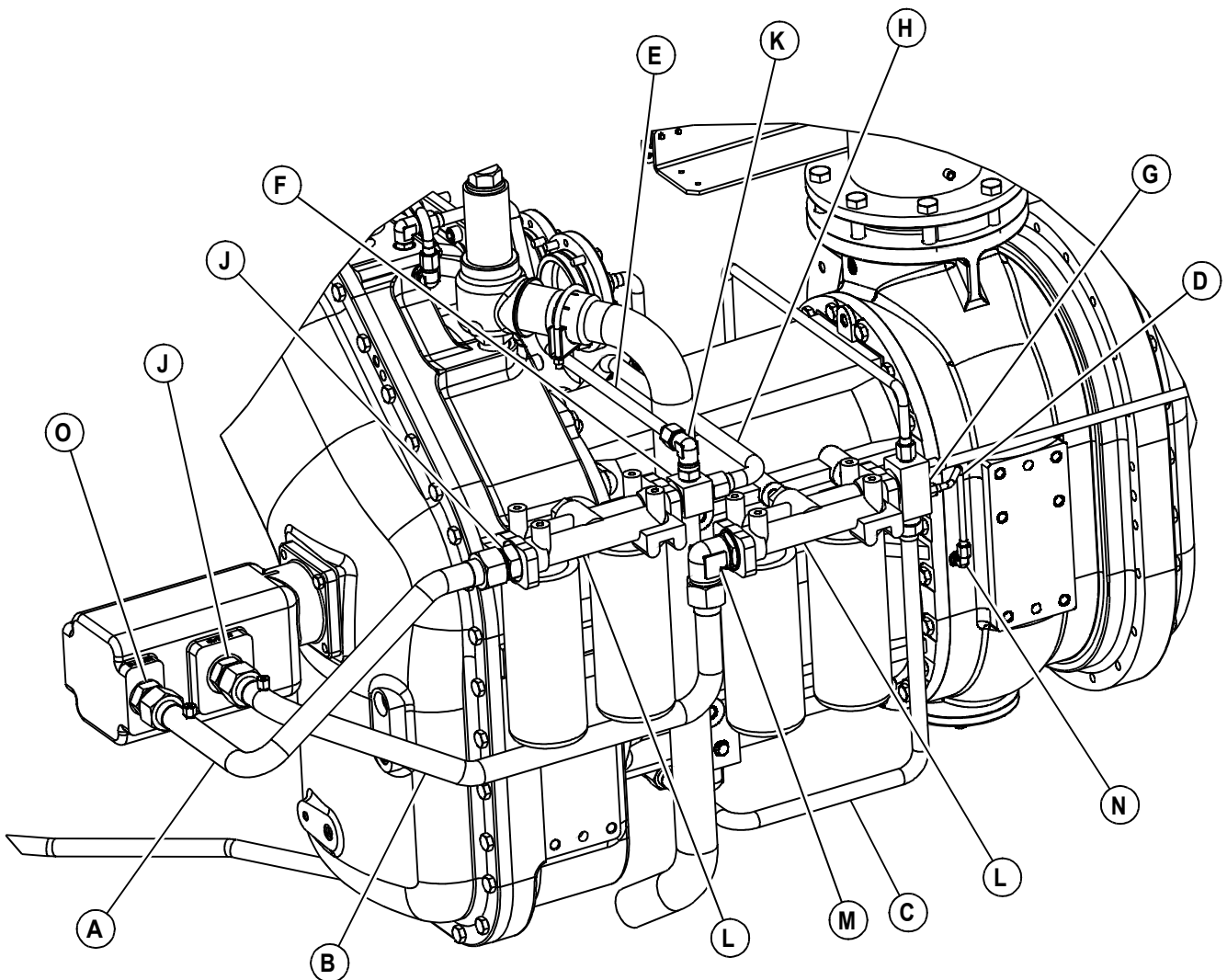
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23235559	Tube Assy., 2nd Stage Common Scavenge	1	
B	23235567	Tube Assy., 2nd Stage Female Scavenge	1	
C	23235575	Tube Assy., 2nd Stage Male Scavenge	1	
D	23235591	Tube Assy., 2nd Stage Male Disch. Bearing	1	
E	23235609	Tube Assy., 2nd Stage Female Disch. Bearing	1	
F	23235617	Tube Assy., 1st Stage Filter to Disch. Bearing	1	
G	23238520	Manifold, Discharge Bearing Oil	1	
H	23239197	Tube Assy., 1st Stage Male Disch. Bearing	1	
J	23284342	Elbow, 90° 0.50" Dia. Orifice 1.31"-12 X 3/4" Tube	1	
K	35225077	Clamp, 5/8" Support	1	
L	35287895	Connnector, Swivel Nut 9/16"-18 X 1/2" Tube	2	
M	35294750	Elbow, 90° O-Ring 1.06"-12 X 3/4" Tube	1	
N	35295880	Connector, O-Ring 1.06"-12 X 3/4" Tube	1	
P	35305622	Elbow, 90° O-Ring 3/4"-16 X 5/8" Tube	1	
Q	35333517	Elbow, 45° Swivel Nut 1/2" Tube	1	
R	36881886	Nut, Hex Flange M08-1.25	1	
S	36889608	Screw, Hex Flange M08-1.25 X 25	1	
T	46490173	Bracket, Tube Support	1	
U	46496253	Tube Assy., 2nd Stage Inlet Bearing Supply	1	
V	95183141	Elbow, 90° Swivel Nut 3/4"-16 X 1/2" Tube	1	
W	95219853	Elbow, 90° Tube 1.0" NPT X1.0" Tube	1	
X	95984563	Elbow, 90° O-Ring 7/8"-14 X 3/4" Tube	1	
Y	35294768	O-Ring, 0.92" ID X 0.116" Cross Sect.	AR	

AIREND PIPING - RH REAR



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23112980	Bracket, Oil Filter	2	
B	23284623	Valve, Relief 200 PSI	1	
C	23308315	Pipe, Safety Valve Discharge	1	
D	35113646	Clamp, Saddle 3.0"	1	
E	35114057	Clamp, Support 1.50"	2	
F	35279025	Screw, Hex Tapping M08-1.25 X 20	2	
G	35375591	Screw, Hex Head M16-2.0 X 30	8	
H	46491262	Guard, Oil filter	2	
J	46496220	Elbow, 90° Long Straight 5/16"-18 X 3/8" Tube	1	
K	46496261	Tube Assy., 2nd Stage Injection	1	
L	95857926	Nipple, Pipe 2.50" X 4.0"	1	
M	95920674	Screw, Hex Head 3/8"-16 X 1.0"	8	
N	95935037	Washer, Flat 3/8"	8	
P	95937413	Washer, Helical Lock 3/8"	8	
Q	95984563	Elbow, 90° O-Ring 7/8"-14 X 3/4" Tube	1	
R	96746078	Elbow, 90° O-Ring 7/8"-14 X 5/8" Tube	1	

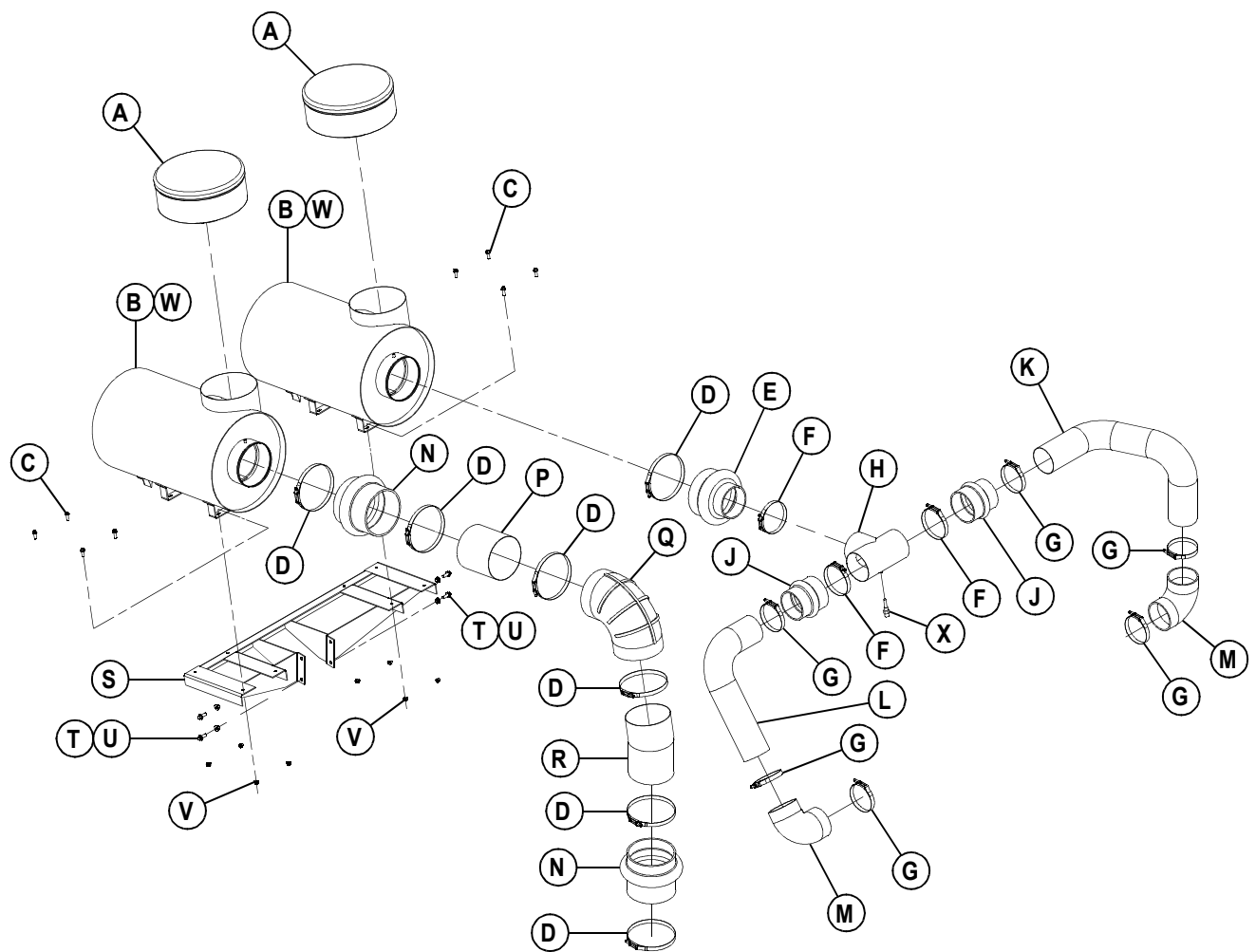
AIREND PIPING - RH REAR SECTION



OIL FILTER SHIELDS AND FASTENERS.
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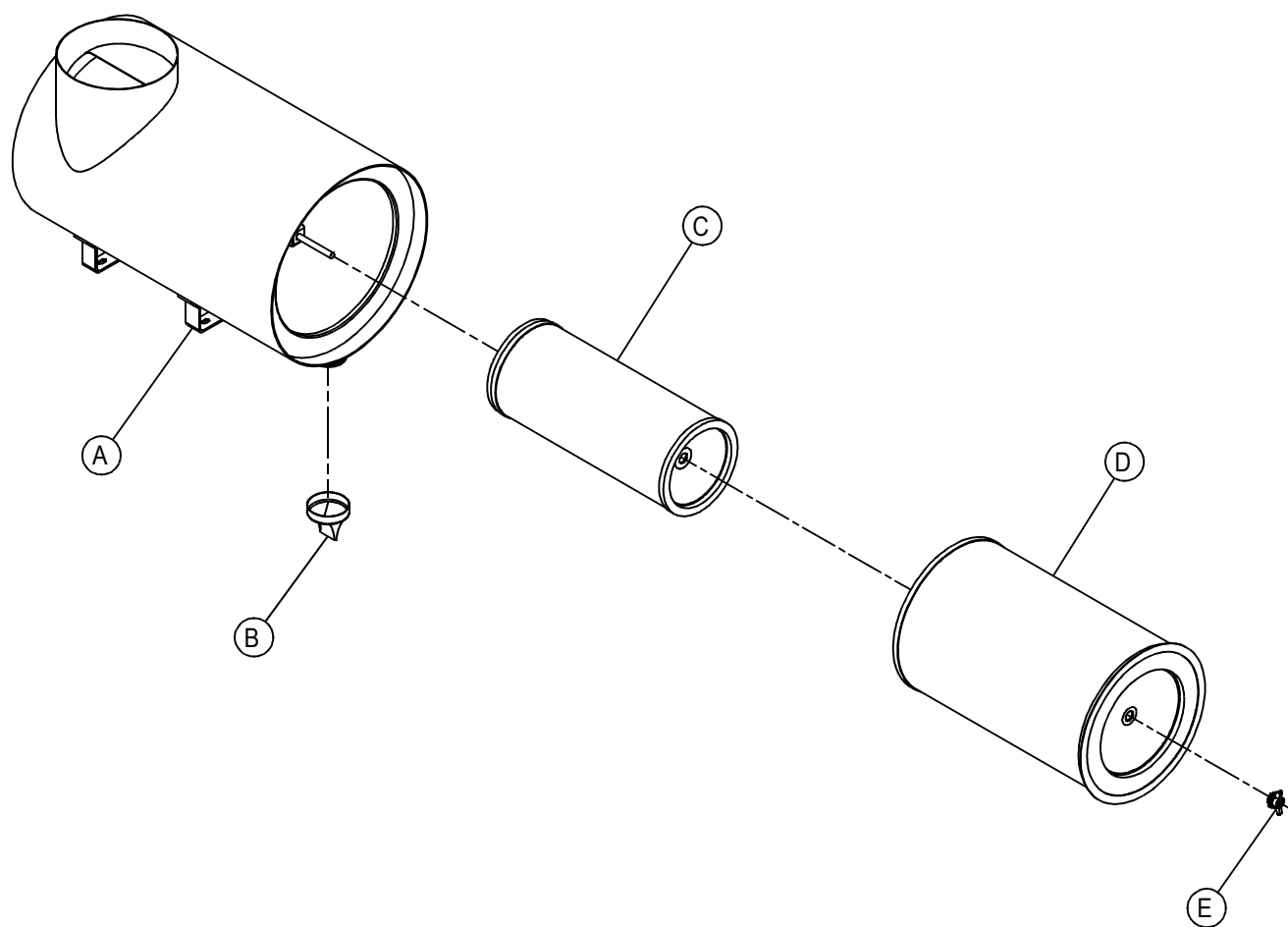
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23119951	Tube Assy., 2nd Stage Pump to Filter	1	
B	23119969	Tube Assy., 1st Stage Pump to Filter	1	
C	23119985	Tube Assy., 1st Stage Injection	1	
D	23119993	Tube Assy., 1st Stage Inlet Bearing Supply	1	
E	23120066	Tube Assy., 2nd Stage Filter to Relief Valve	1	
F	23235534	Manifold, 2nd Stage Oil Filter	1	
G	23235542	Manifold, 1st Stage Oil Filter	1	
H	23235583	Tube Assy., 2nd Stage Filter to Disch. Bearing	1	
J	35296409	Connector, O-Ring 1.88"-12 X 1.5" Tube	2	
K	35301506	Elbow, 90° Swivel Nut 1.06"-12 X 3/4" Tube	1	
L	36756120	Filter Assembly, Dual	2	
M	95962304	Elbow, 90° Tube 1.88"-12 X 1.50" Tube	1	
N	95976775	Elbow, 90° O-Ring 5/8"-18 X 3/8" Tube	1	
P	95993135	Connector, O-Ring 1.63"-12 X 1.50" Tube	1	

AIR INTAKE



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22065510	Hood, Air Inlet	2	
B	36864346	Assembly, Air Cleaner	2	
C	36880995	Screw, Hex Flange M10-1.50 X 30	8	
D	35129071	Clamp, T-Bolt 8.50" ID	7	
E	35584572	Reducer, Hump Hose 8.0" ID to 5.50" ID	1	
F	35116615	Clamp, T-Bolt 6.0" ID	3	
G	35161025	Clamp, T-Bolt 5.38" ID	6	
H	23128879	Tube, 5.50" Tee	1	
J	35135318	Reducer, 5.50" ID to 5.0" ID	2	
K	23209240	Tube, Engine Air Intake	1	
L	23129414	Tube, Engine Air Intake	1	
M	35135300	Elbow, 90° Rubber	2	
N	35120260	Hose, Hump 8.0"	2	
P	23128721	Tube, 203 mm OD X 200 mm	1	
Q	35120211	Elbow, 90° Rubber 8.0"	1	
R	23117674	Elbow, 10° Tube 8.0"	1	
S	23208556	Bracket, Air Filter	1	
T	36888055	Screw, Hex Flange M12-1.75 X 30	4	
U	36879203	Nut, Hex Flange M12-1.75	4	
V	36879195	Nut, Hex Flange M10-1.50	8	
W	36847838	Switch, Vacuum	2	
X	23294820	Sensor, Temperature	1	

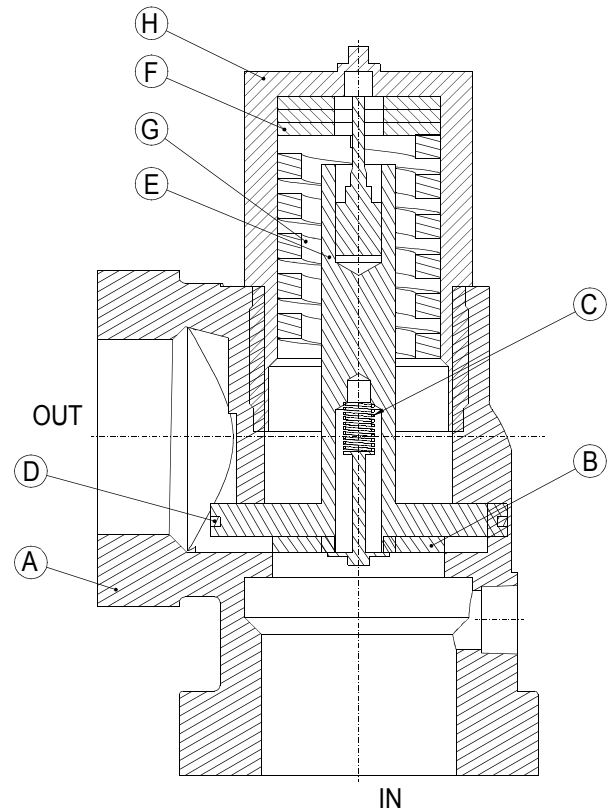
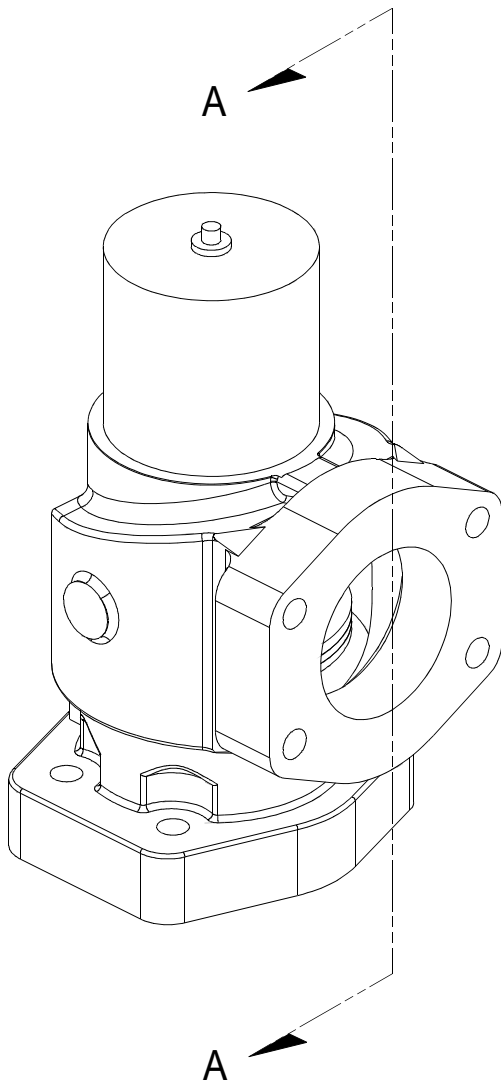
AIR CLEANER



46499240_03/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36864346	Assembly, Air Cleaner	1	
B	36867778	Ejector, Dust	1	
C	36864361	Element, Primary	1	
D	36864379	Element, Safety	1	
E	35388982	Nut, Wing	1	

MINIMUM PRESSURE CHECK VALVE

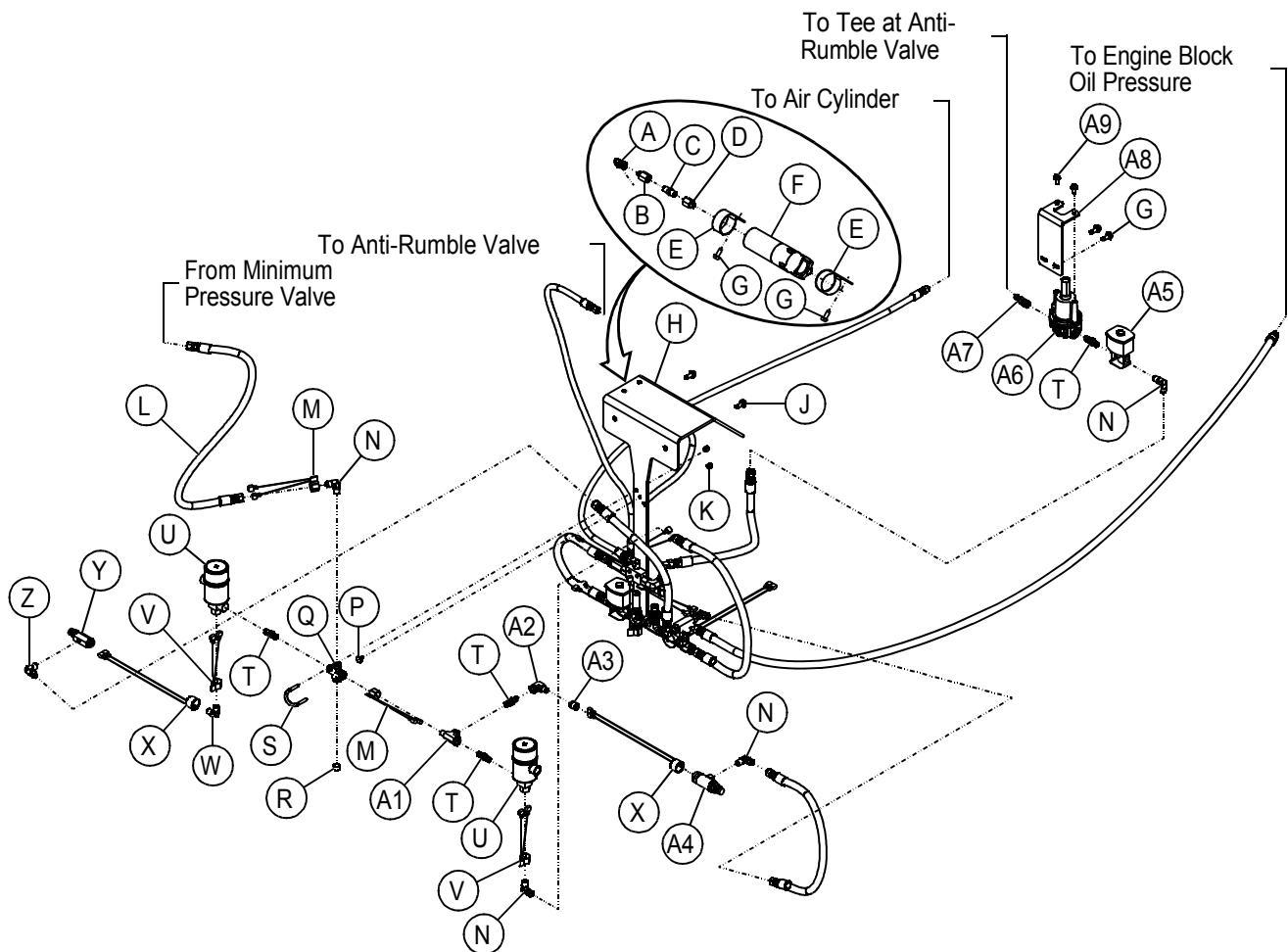


SECTION A-A

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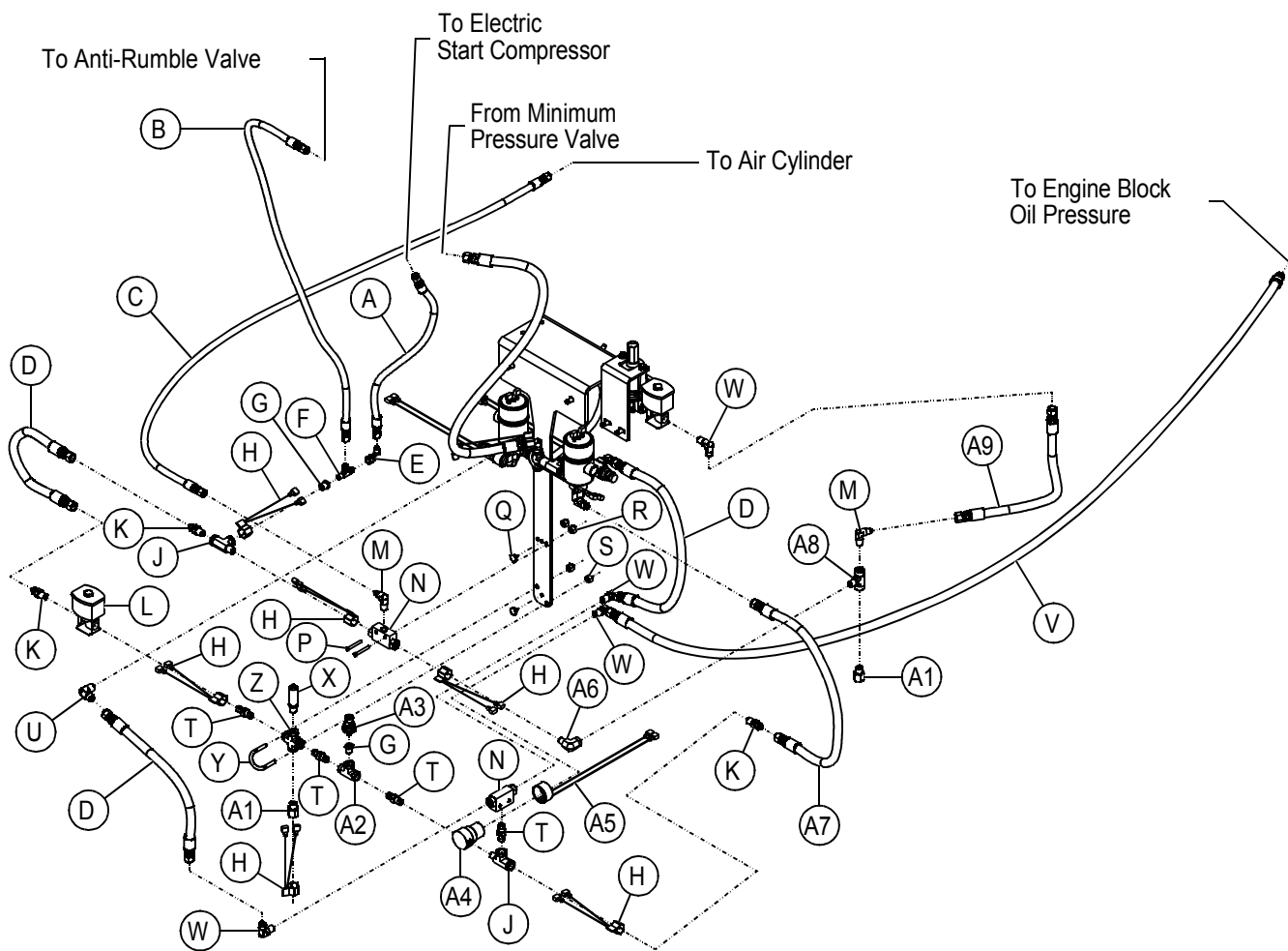
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
~	23222532	Valve Assembly, Minimum Pressure Check	~	
A	54699731	Body, Minimum Pressure Valve	1	
B	54699764	Poppet Assembly	1	
C	54699749	Spring, Poppet	1	
D	54699756	O-Ring, 2.98" ID	1	
E	54699772	Piston Assembly	1	
F	23307580	Washer, Flat Spacer	3	
G	54699798	Spring, Main	1	
H	54699780	Cap Assembly	1	

UPPER REGULATION



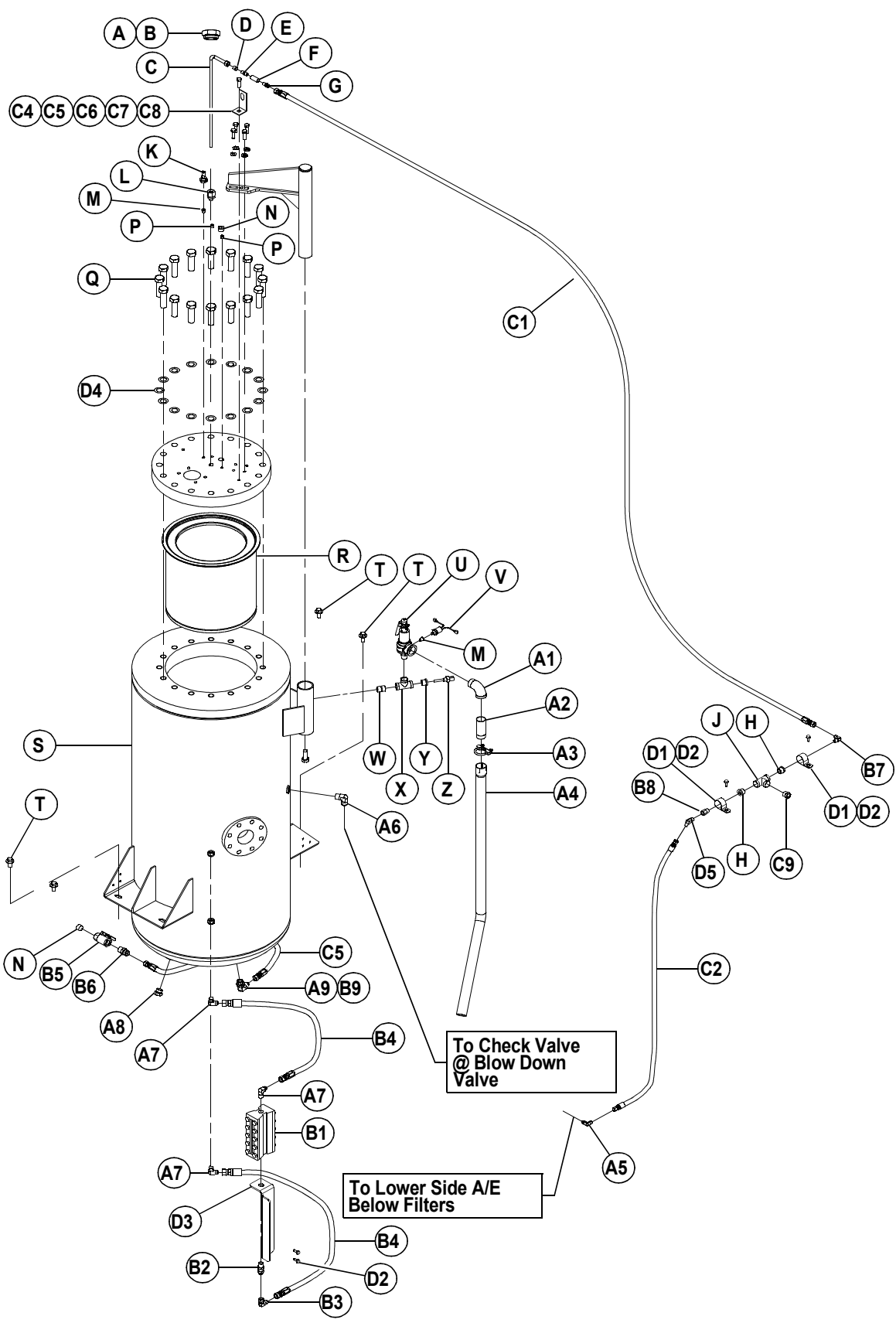
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46547949	Elbow, 90° Swivel Nut 1/4" Tube	1	
B	46547931	Adapter, 1/4" NPT Female to -4 JIC	1	
C	35248145	Connector, Check Valve 1/4" NPT	1	
D	46547923	Adapter, 1/4" NPT Female X 1/8" NPT Male	1	
E	35119718	Clamp, Support 1.0" Tube	2	
F	36850691	Compressor, Cold Start	1	
G	35279025	Screw, Hex Tapping M08-1.25 X 20	6	
H	46499778	Support, Regulatoin Controls	1	
J	35144328	Screw, Hex Flange 1/4"-20 X 5/8"	2	
K	95923298	Nut, Hex Lock 1/4"-20	2	
L	46547998	Hose Assembly, -6 JIC X 880	1	
M	36841526	Heater, 3/4" Hex 24 VDC	2	
N	46547881	Elbow, 90° Tube 1/4" NPT X 3/8" Tube	4	
P	46542098	Fastener, Xmas Tree	1	
Q	46547790	Cross, 1/4" NPT	1	
R	46548012	Plug, Hex Socket Pipe 1/4" NPT	1	
S	35166404	U-Bolt, 1.25" ID X 1/4"-20	1	
T	46547816	Nipple, Hex 1/4" NPT	4	
U	46553075	Valve, Solenoid 1/4" NPT 24VDC	2	
V	46499687	Heater, 24VDC	2	
W	46547865	Elbow, 90° Male 1/4" NPT	1	
X	23346612	Heater, Conrader 24VDC	2	
Y	35315795	Valve, LP Regulator	1	
Z	46548087	Elbow, 90° Tube 1/8" NPT X 3/8" Tube	1	
A1	46547840	Tee, Male Run 1/4" NPT	1	
A2	46547907	Elbow, 90° Street 1/4" NPT X 1/4" NPTF	1	
A3	46547915	Bushing, Reducer 3/8" NPT to 1/4" NPTF	1	
A4	46553053	Valve, HP BFV Control	1	
A5	36842318	Valve, Solenoid 24 VDC NO	1	
A6	46491734	Valve, Pressures Reducing	1	
A7	46548020	Elbow, 45° 1/4" NPTF X 3/8" Tube	1	
A8	46497715	Bracket, Pressure Reducing Valve	1	

LOWER REGULATION



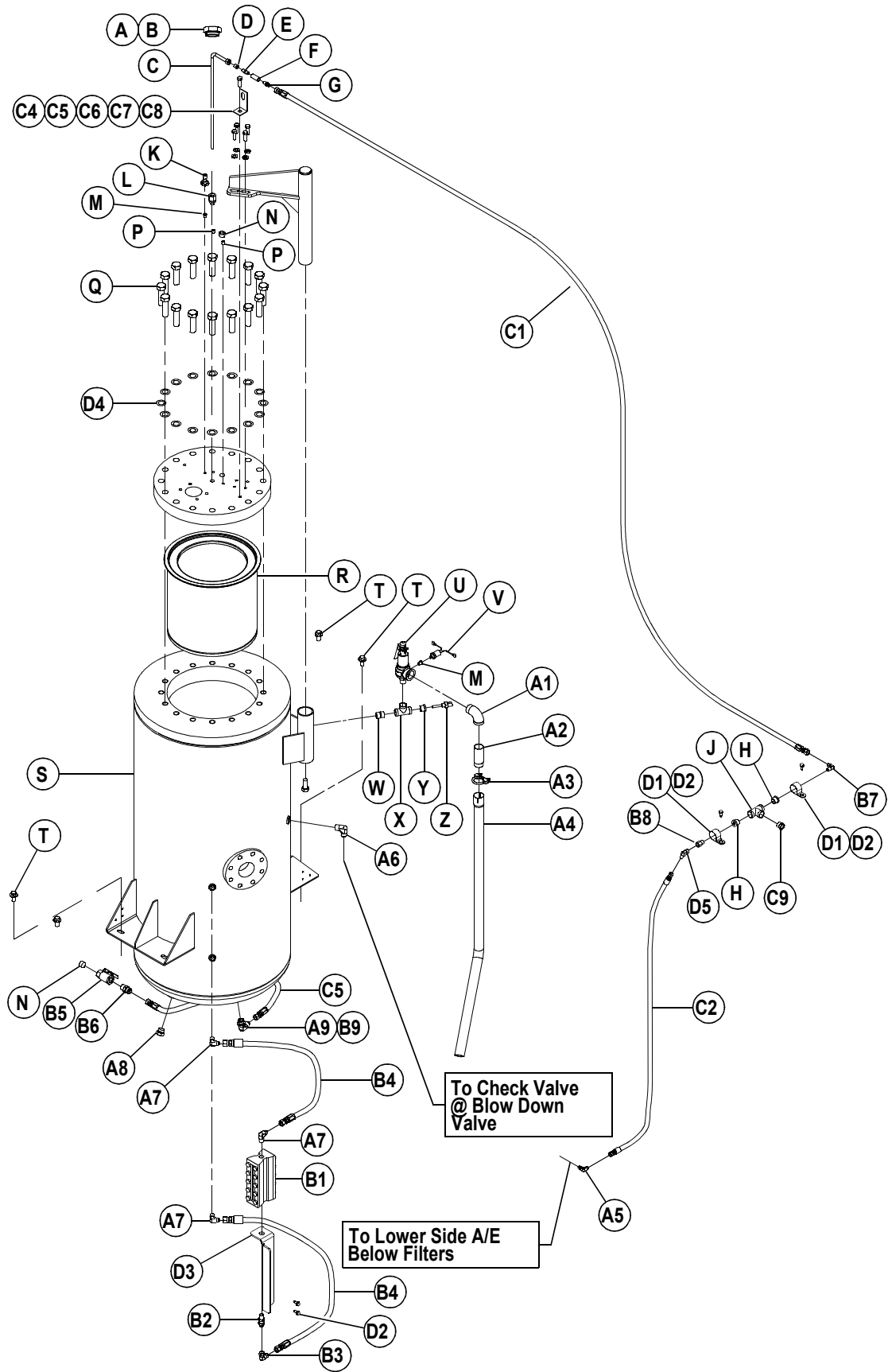
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46548061	Hose Assembly, -4 JIC X 360	1	
B	46548095	Hose Assembly, -4 JIC X 780	1	
C	46548046	Hose Assembly, -4 JIC X 1540	1	
D	46547964	Hose Assembly, -6 JIC X 350	3	
E	46547949	Elbow, 90° Swivel Nut 1/4" Tube	1	
F	46548053	Tee, Male Run 1/8" NPT X -4 JIC	1	
G	46547857	Bushing, Reducer 1/4" NPT to 1/8" NPTF	2	
H	36841526	Heater, 3/4" Hex 24 VDC	6	
J	46547840	Tee, Male Run 1/4" NPT	2	
K	46547956	Connector, Tube Fitting 1/4" NPT X 3/8" Tube	3	
L	36842318	Valve, Solenoid 24VDC NO	1	
M	46547980	Elbow, 90° Tube 1/4" NPT X 1/4" Tube	2	
N	46547873	Valve, Shuttle 1/4" NPT	2	
P	46490330	Screw, Hex Slotted #10-32 X 1.50"	2	
Q	46542098	Fastener, Xmas Tree	2	
R	95928800	Nut, Hex Nyloc #10-32	2	
S	95923298	Nut, Hex Lock 1/4"-20	2	
T	46547816	Nipple, Hex 1/4" NPT	4	
U	46548087	Elbow, 90° Tube 1/8" NPT X 3/8" Tube	1	
V	46548004	Hose Assembly, -6 JIC X 2570	1	
W	46547881	Elbow, 90° Tube 1/4" NPT X 3/8" Tube	4	
X	35325133	Valve, Safety (150 PSIG)	1	
Y	35166404	U-Bolt, 1.25" ID X 1/4"-20	1	
Z	46547790	Cross, 1/4" NPT	1	
A1	37081528	Fitting, Orifice 0.063" Dia X 1/4" NPT	2	
A2	46547824	Tee, Female Pipe 1/4" NPT	1	
A3	36920825	Transducer, Pressure 0-100 PSI	1	
A4	36920445	Valve, Blowdown	1	
A5	36854677	Heater, 24 VDC Regulator	1	
A6	46547907	Elbow, 90° Street 1/4" NPT X 1/4" NPTF	1	
A7	46547972	Hose Assembly, -6 JIC X 575	1	
A8	46548038	Tee, Male Branch 1/4" NPT	1	
A9	46548079	Hose Assembly, -6 JIC X 535	1	

SEPARATOR TANK MOUNTING



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35802933	Plug, Hex O-Ring 2.50"-12	1	
B	35277797	O-Ring, 2.38" ID X 0.118" Cross Sect.	AR	
C	23276728	Tube, Scavenge	1	
D	95940748	Bushing, Reducer 3/8" NPT to 1/4" NPTF	1	
E	35248145	Connector, Check Valve 1/4" NPT	1	
F	95935813	Coupling, Pipe 1/4" NPT X 1.63" Lg	1	
G	35284082	Connector, Hex 1/4" NPT X 3/8" Tube	1	
H	95944633	Bushing, Hex Reducer 3/4" NPT to 1/4" NPT	2	
J	95953410	Tee, Straight 3/4" NPT	1	
K	23258932	Transducer, Pressure 0-1000 PSI	1	
L	35610674	Fitting, Tube 1/2" NPT X 1/2" Tube	1	
M	95930301	Bushing, Hex Reducer 1/4" NPT to 1/8" NPTF	2	
N	95947149	Plug, Hex Socket Pipe 3/4" NPT	3	
P	95928230	Plug, Hex Socket Pipe 1/4" NPT	2	
Q	46545562	Screw, Hex Head 1.0"-8 X 3.75"	16	
R	46553428	Element, Separator	1	
S	23089485	Tank, Separator	1	
T	96747142	Screw, Hex Flange M16-2.0 X 30	4	
U	23192917	Valve, Safety (600 PSIG)	1	
V	36757581	Switch, Pressure	1	
W	95928040	Nipple, Pipe 3/4" NPT X 1.38" Lg	1	
X	95953410	Tee, Straight 3/4" NPT	1	
Y	95953956	Bushing, Hex Reducer 3/4" NPT to 3/8" NPT	1	
Z	23294820	Sensor, Temperature	1	
A1	95944104	Elbow, 90° Street 1.25" NPT	1	
A2	36762821	Nipple, Pipe 1.75" NPT X 4.0" Lg	1	
A3	35261155	Clamp, Muffler 1.75" ID	1	
A4	23289275	Pipe, Safety Valve Discharge	1	
				Continued

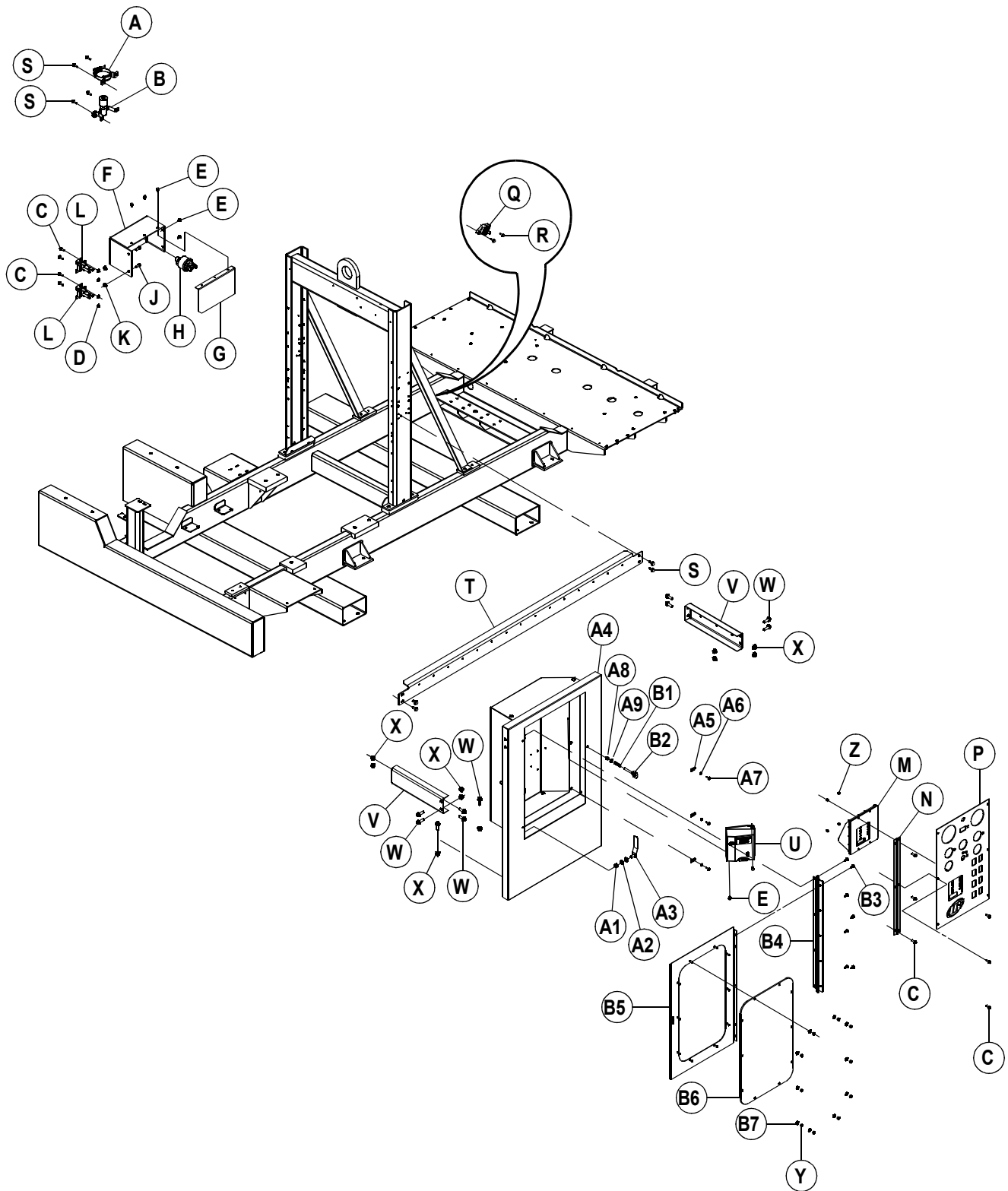
SEPARATOR TANK MOUNTING



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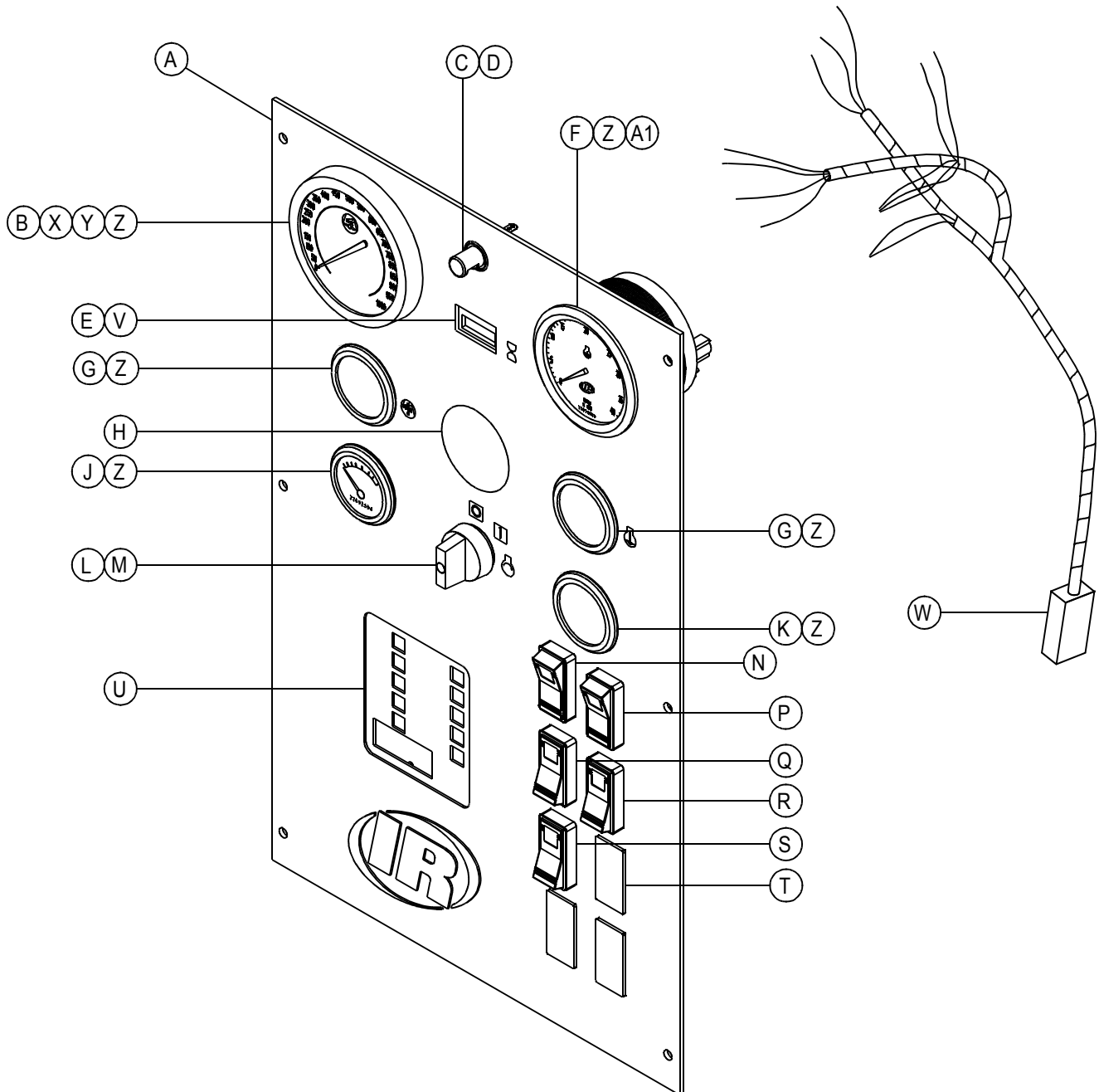
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A5	35279827	Elbow, 90° O-Ring Washer 5/16"-16 X 3/8" Tube	1	Continued
A6	35294735	Elbow, 90° Tube 3/4" NPT X 3/4" Tube	1	
A7	35309210	Elbow, 90° Tube 1/2" NPT X 1/2" Tube	3	
A8	95280541	Plug, Hex Head O-Ring 1.06"-12	1	
A9	35294750	Elbow, 90° O-Ring 1.06"-12 X 3/4" Tube	1	
B1	23091861	Glass, Sight	1	
B2	95149969	Connector, Bulkhead 1/2" NPT X 1/2" Tube	1	
B3	35287911	Elbow, 90° Swivel 1/2" NPT X 1/2" Tube	1	
B4	23359102	Hose Assembly, -8 JIC X 330	2	
B5	23299480	Valve, Ball 3/4" NPT	1	
B6	95219747	Connector, Hex 3/4" NPT X 3/4" Tube	1	
B7	35279934	Elbow, 90° Tube 1/4" NPT X 3/8" Tube	1	
B8	37081528	Fitting, Orifice 0.063" Dia X 1/4" NPT	1	
B9	35294768	O-Ring, 0.92" ID X 0.116" Cross Sect.	AR	
C1	23359086	Hose Assembly, -6 JIC X 1950	1	
C2	46491775	Hose Assembly, -6 JIC X 950	1	
C3	23366206	Hose Assembly, -12 JIC X 864	1	
C4	46490157	Bracket, Tube Support	1	
C5	95934634	Screw, Hex 1/2"-13 X 3/4"	1	
C6	35225077	Clamp, 5/8" Support	1	
C7	36889608	Screw, Hex Flange M08-1.25 X 25	1	
C8	36881886	Nut, Hex Flange M08-1.25	1	
C9	46491387	Glass, High Pressure Sight	1	
D1	35114057	Clamp, Support 1.50" ID	2	
D2	35279025	Screw, Hex Tapping M08-1.25 X 20	4	
D3	46490728	Support, Sight Glass	1	
D4	46545588	Washer, Flat 1.0"	16	
D5	35290253	Elbow, 45° 1/4" NPT X -6 JIC	1	

CONTROL PANEL



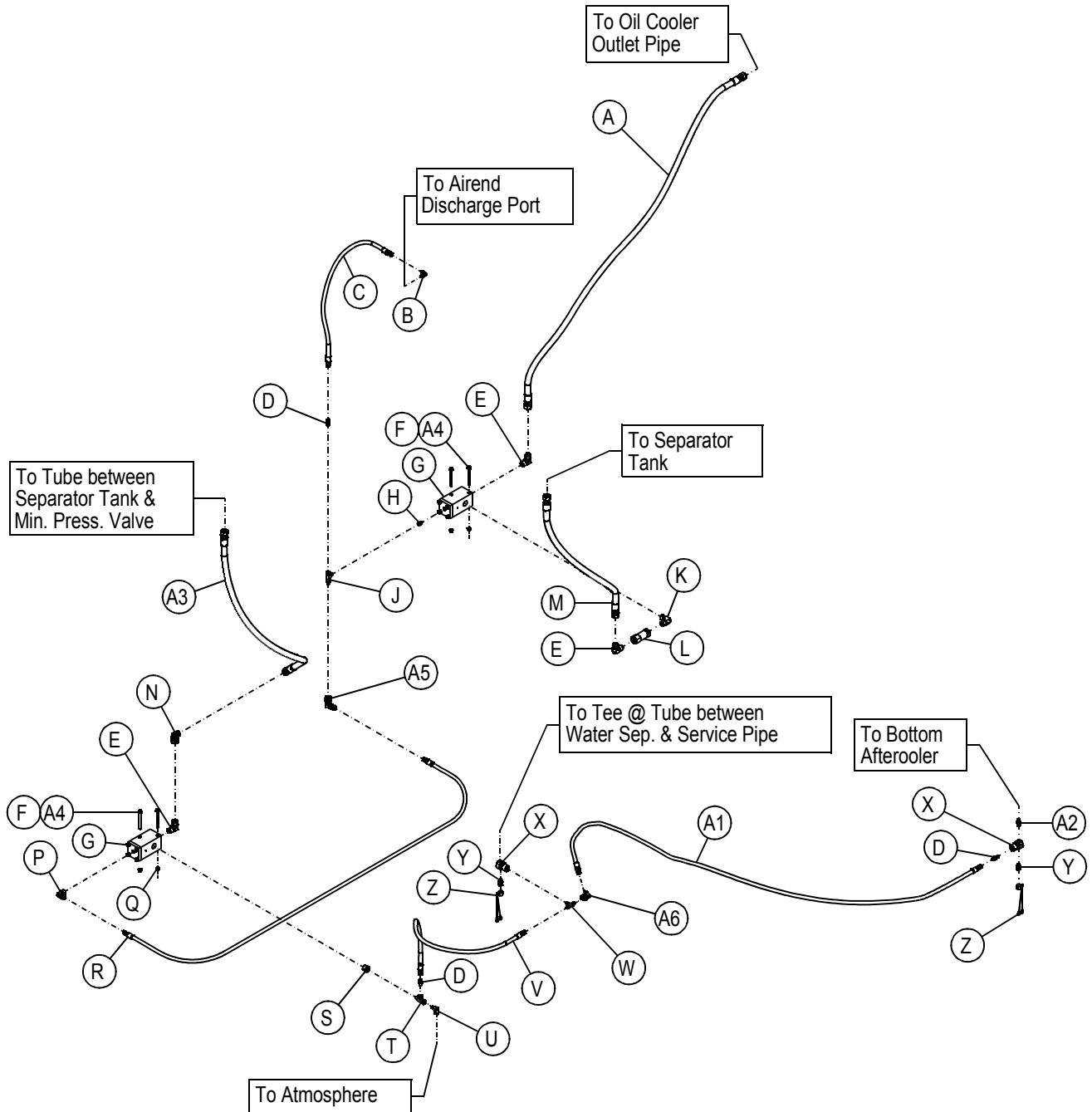
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35103506	Clamp, Cylinder	1	
B	35306158	Cold Start, Valve and Bracket	1	
C	36898096	Screw, Hex Flange M06-1.0 X 20	10	
D	36898104	Nut, Hex Flange M06-1.0	10	
E	36797652	Screw, Tapping M06-1.0 X 12	7	
F	23309164	Bracket, Disconnect Switch	1	
G	23035405	Bracket, Support	1	
H	36896975	Switch, Battery Disconnect	1	
J	96702824	Screw, Hex Head M08-1.25 X 20	2	
K	36881886	Nut, Hex Flange M08-1.25	2	
L	36853521	Relay, 100 Amp	2	
M	22173579	Controller, Wedge	1	
N	36840908	Hinge, Access Cover	1	
P	23309818	Panel, Instrument	1	
Q	23322738	Post, Positive Battery Distribution	1	
R	35300771	Screw, Tapping M06-1.0 x 20	2	
S	35279025	Screw, Hex Tapping M08-1.25 X 20	8	
T	23307838	Bracket, Harness Support	1	
U	23302748	Controller, OTBV	1	
V	23241409	Brace, Instrument Panel	2	
W	36880995	Screw, Hex Flange Head M10-1.5 X 30	8	
X	36879195	Nut, Hex Flange M10-1.50	8	
Y	95923298	Nut, Hex Lock 1/4"-20	10	
Z	95928800	Nut, Hex Nyloc #10-32	4	
A1	35273366	Nut, Hex Nyloc M10-1.50	1	
A2	95935037	Washer, Flat 3/8"	2	
A3	35603349	Door, Holder	1	
A4	23238363	Panel, LH Front Vertical Control	1	
A5	35256452	Receptical, Clip-on	3	
A6	35256445	Retainer	3	
A7	35256429	Stud, Quick Release	3	
A8	95923314	Nut, Hex Nyloc 5/16"-18	1	
A9	95934998	Washer, Flat 5/16"	1	
B1	35327311	Spring, Eyebolt	1	
B2	35327303	Eyebolt, 5/16"-18 X 3.25"	1	
B3	92368687	Screw, Tapping M06-1.0 X 14	7	
B4	36740405	Hinge, End Door	1	
B5	23239601	Door, Instrument Panel	1	
B6	23239718	Window, Instrument Panel	1	
B7	95935029	Washer, Flat 1/4"	10	

INSTRUMENT PANEL



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22105571	Panel, Metal Instrument	1	
B	23320930	Gauge, 1000 PSI	1	
C	36852622	Holder Assembly, Panel Lamp	1	
D	22113880	Lamp, Incandescent 28V	AR	
E	54766704	Hourmeter	1	
F	22055883	Tachometer	1	
G	22692610	Gauge, Temperature 300° F	2	
H	54734629	Cover, Blind	1	
J	22692594	Gauge, Voltmeter	1	
K	22692628	Gauge, Pressure 150 PSI	1	
L	22127385	Switch, Ignition	1	
M	22134118	Knob, Ignition Switch	AR	
N	22054076	Switch, Rocker Service Air	1	
P	22054068	Switch, Rocker Ether	1	
Q	22054050	Switch, Rocker Heater	1	
R	22053896	Switch, Rocker Panel Illumination	1	
S	23277726	Switch, Rocker Hi-Lo Pressure	1	
T	22054142	Blank, Switch Plug	3	
U	22055800	Overlay, Wedge Diagnostics Display	1	
V	22054159	Nut, Plastic #4-40	2	
W	23303399	Harness, Instrument Panel Wiring	1	
X	95935813	Coupling, Pipe 1/4" NPT X 1.63" Lg	1	
Y	35279934	Elbow, 90° Tube 1/4" NPT X 3/8" Tube	1	
Z	22137426	Lamp, Incandescent 28V Gauge	AR	
A1	22271779	Board, 24V Resistor	AR	

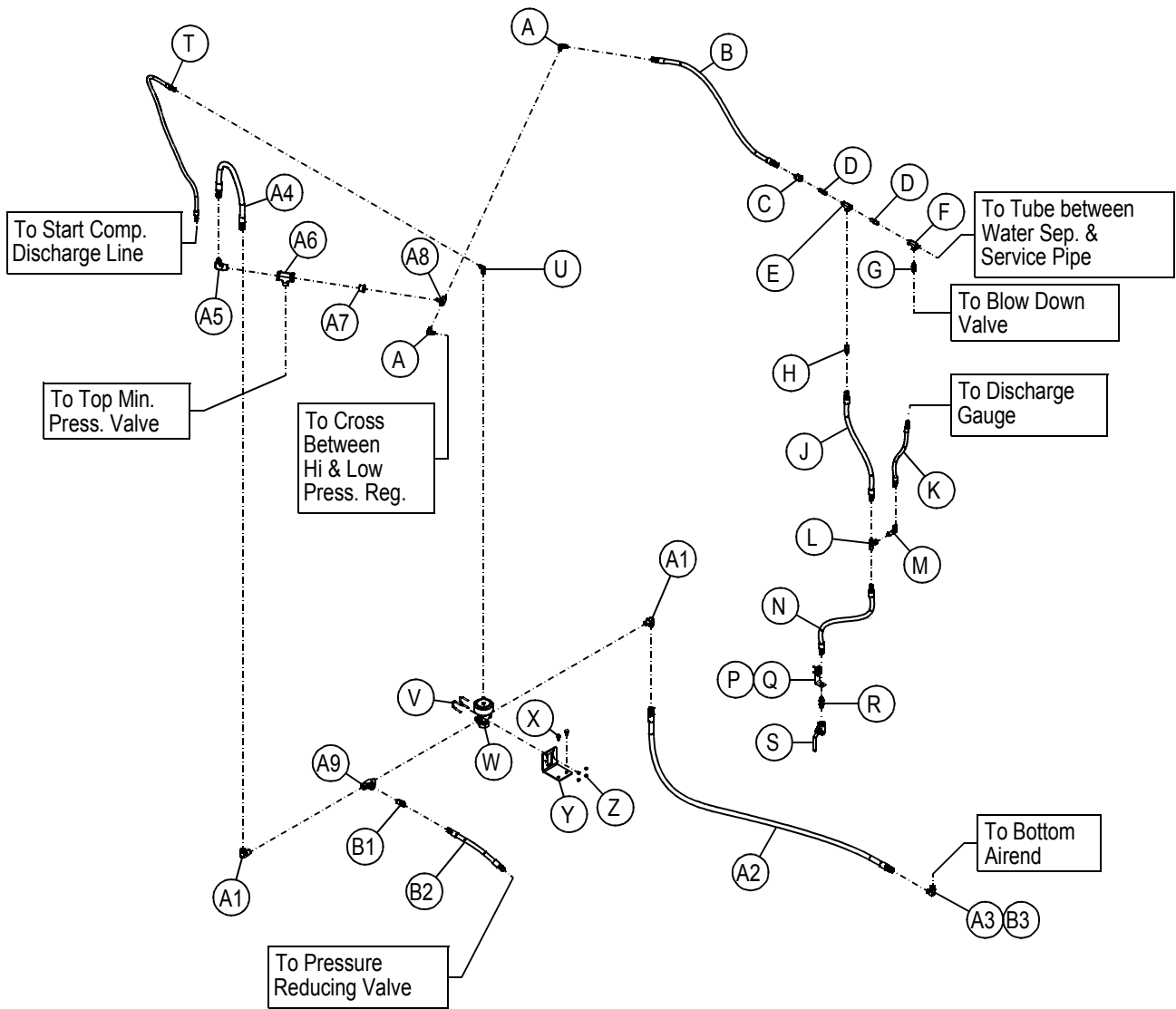
BLOWDOWN PIPING



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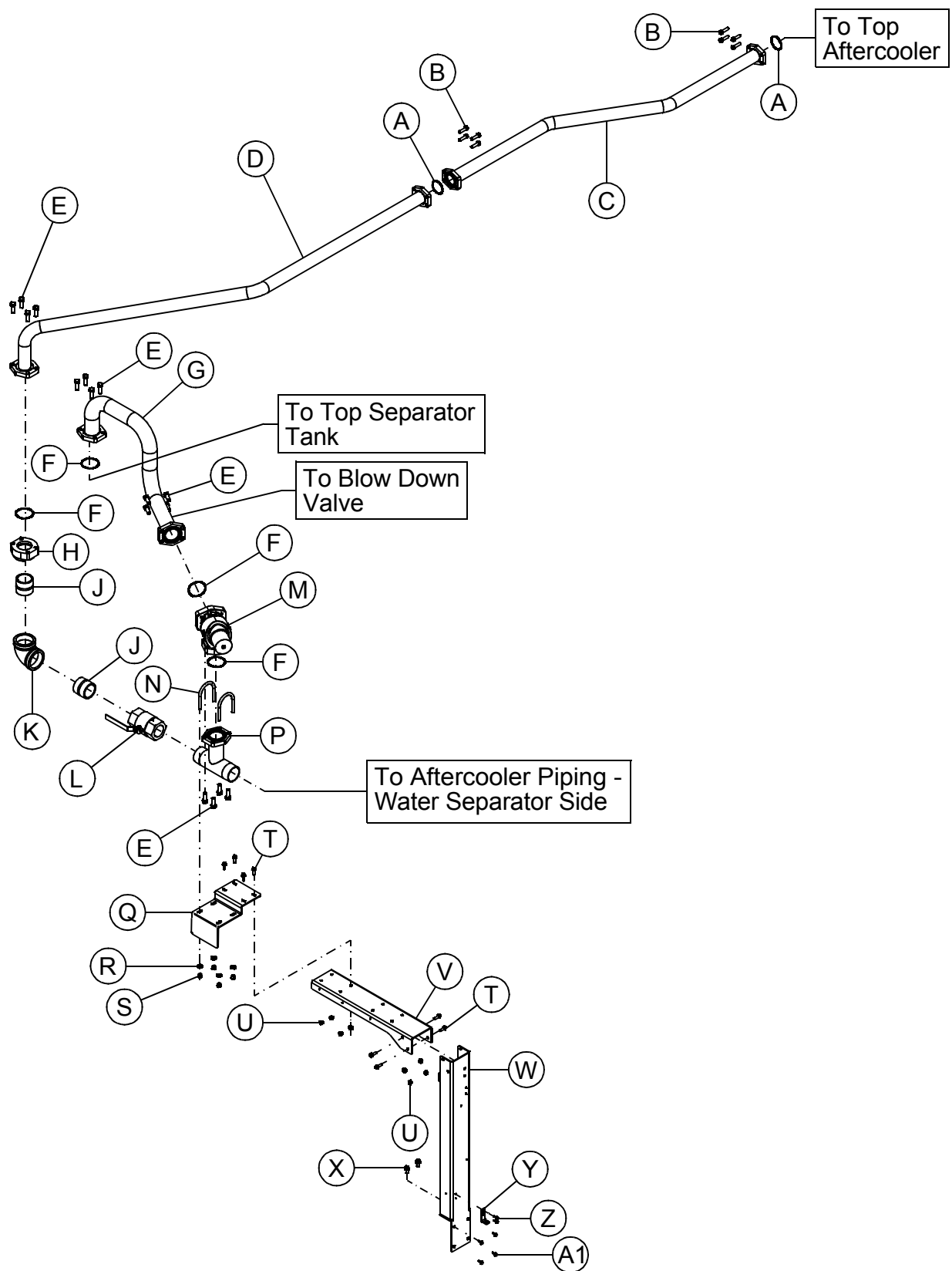
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23358872	Hose Assembly, -12 JIC X 2400	1	
B	35279827	Elbow, 90° O-Ring Washer 5/16"-16 X 3/8" Tube	1	
C	23358906	Hose Assembly, -6 JIC X 950	1	
D	35284082	Connector, Hex 1/4" NPT X 3/8" Tube	3	
E	35294735	Elbow, 90° Tube 3/4" NPT X 3/4" Tube	3	
F	95934618	Screw, Hex Head 3/8"-16 X 4.0"	4	
G	35849215	Valve, Blowdown	2	
H	95940748	Bushing, Reducer 3/8" NPT to 1/4" NPTF	1	
J	95279923	Tee, Male Branch 1/4" NPT	1	
K	95317434	Elbow, 90° Male 3/4" NPT	1	
L	23262512	Valve, Check 3/4" NPT	1	
M	23358864	Hose Assembly, -12 JIC X 1070	1	
N	35323922	Elbow, 45° Swivel Nut 3/4" Tube	1	
P	35279926	Elbow, 90° Swivel 3/8" NPT X -6 JIC	1	
Q	35145077	Nut, Hex Flange 3/8"-16	4	
R	23359037	Hose Assembly, -6 JIC X 610	1	
S	95944633	Bushing, Hex Reducer 3/4" NPT to 1/4" NPT	1	
T	95341079	Tee, Male Run 1/4" NPT	1	
U	95279998	Elbow, 90° Street 1/4" NPT	1	
V	23358922	Hose Assembly, -6 JIC X 2030	1	
W	35306075	Tee, Male Branch 1/4" NPT X 3/8" Tube	1	
X	36920445	Valve, Blowdown	2	
Y	35322346	Fitting, Orifice 0.156" X 1/4" NPT	2	
Z	36841526	Heater, 3/4" Hex 24 VDC	2	
A1	23358971	Hose Assembly, -6 JIC X 4600	1	
A2	36793776	Nipple, Hex 1/4" NPT	1	
A3	23358856	Hose Assembly, -12 JIC X 1450	1	
A4	95935037	Washer, Flat 3/8"	4	
A5	35283068	Elbow, 90° Swivel -6 JIC X -6 JIC	1	
A6	35283100	Elbow, 45° Swivel -6 JIC X -6 JIC	1	

ANTI-RUMBLE PIPING



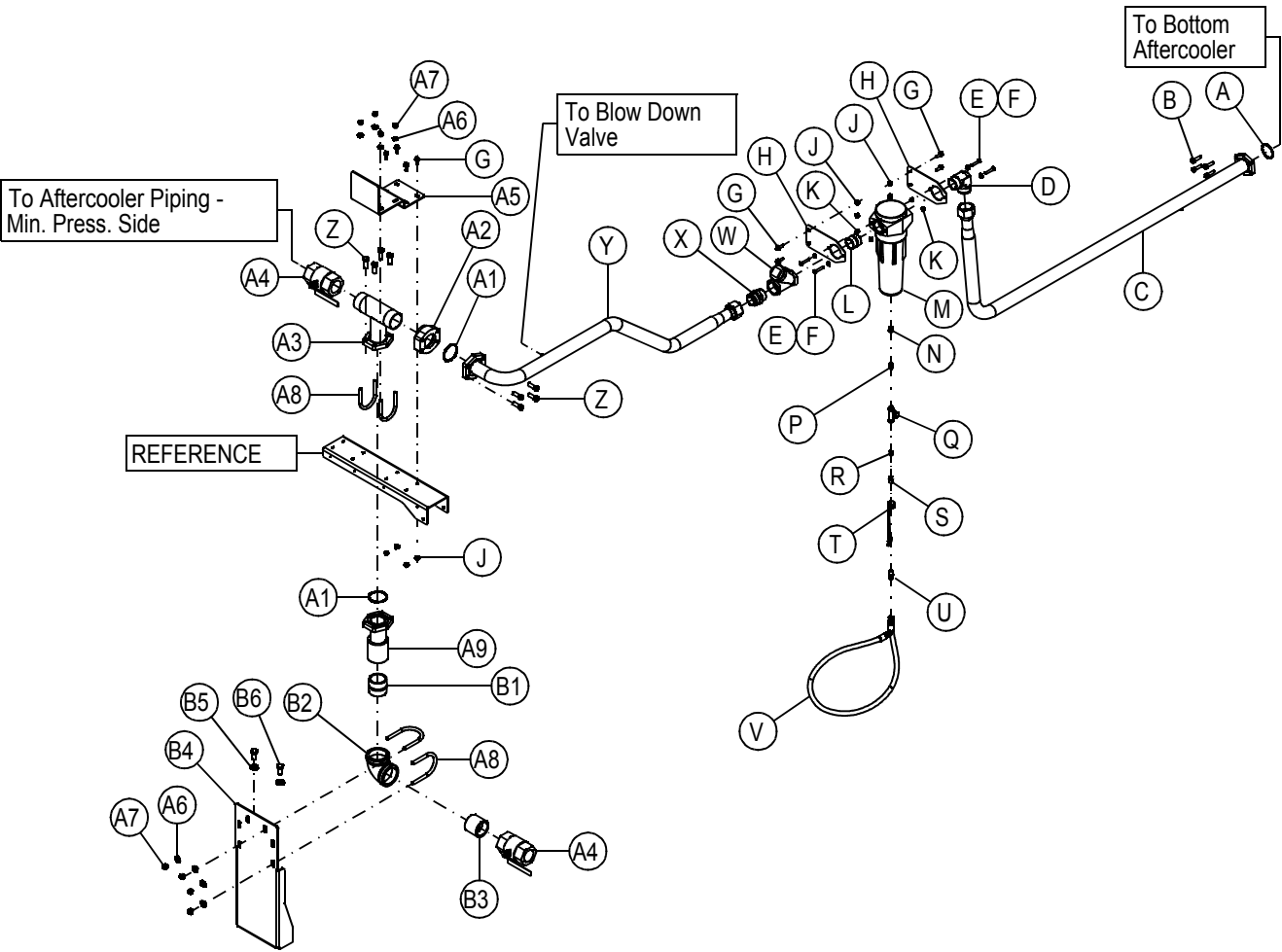
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279934	Elbow, 90° Tube 1/4" NPT X 3/8" Tube	2	
B	23358963	Hose Assembly, -6 JIC X 900	1	
C	95286514	Connector, Hex 1/4" NPTF X 5/8"-18	1	
D	35248145	Connector, Check Valve 1/4" NPT	2	
E	35321272	Tee, Female Pipe 1/4" NPT	1	
F	95341079	Tee, Male Run 1/4" NPT	1	
G	36793776	Nipple, Hex 1/4" NPT	1	
H	35284082	Connector, Hex 1/4" NPT X 3/8" Tube	1	
J	23358955	Hose Assembly, -6 JIC X 600	1	
K	23358989	Hose Assembly, -6 JIC X 350	1	
L	35283092	Tee, Swivel Nut Branch 3/8" Tube	1	
M	36852499	Elbow, 90° Bulkhead 3/8" Tube	1	
N	23358930	Hose Assembly, -6 JIC X 560	1	
P	35190487	Bracket, Tube Clamp	1	
Q	36898096	Screw, Hex Flange M06-1.0 X 20	2	
R	95960373	Connector, Bulkhead 1/4" NPT X 3/8" Tube	1	
S	23299472	Valve, Ball 1/4" NPT	1	
T	46548095	Hose Assembly, -4 JIC X 780	1	
U	35283464	Elbow, 90° Tube 1/4" NPT to 1/4" Tube	1	
V	35166404	U-Bolt, 1.25" ID X 1/4"-20	2	
W	23342611	Valve, Anti-Rumble	1	
X	35279025	Screw, Hex Tapping M08-1.25 X 20	2	
Y	46497640	Bracket, Anti-Rumble	1	
Z	95923298	Nut, Hex Lock 1/4"-20	4	
A1	35309210	Elbow, 90° Tube 1/2" NPT X 1/2" Tube	2	
A2	46497939	Hose Assembly, -8 JIC X 2000	1	
A3	35279801	Elbow, 90° O-Ring Swivel 3/4"-16 X -8 JIC	1	
A4	46497947	Hose Assembly, -8 JIC X 470	1	
A5	35287044	Elbow, 90° 3/4" NPT to -8 JIC	1	
A6	95989273	Tee, Pipe Fitting	1	
A7	95944633	Bushing, Hex Reducer 3/4" NPT to 1/4" NPT	1	
A8	95279923	Tee, Male Branch 1/4" NPT	1	
A9	35301373	Tee, Street 1/2" NPT	1	
B1	35320878	Connector, Hex 1/2" NPT X -6 JIC Tube	1	
B2	46497871	Hose Assembly, -6 JIC X 380	1	
B3	35278589	O-Ring, 0.64" ID X 0.087" Cross Sect.	AR	

AFTERCOOLER AIR PIPING - MINIMUM PRESSURE SIDE



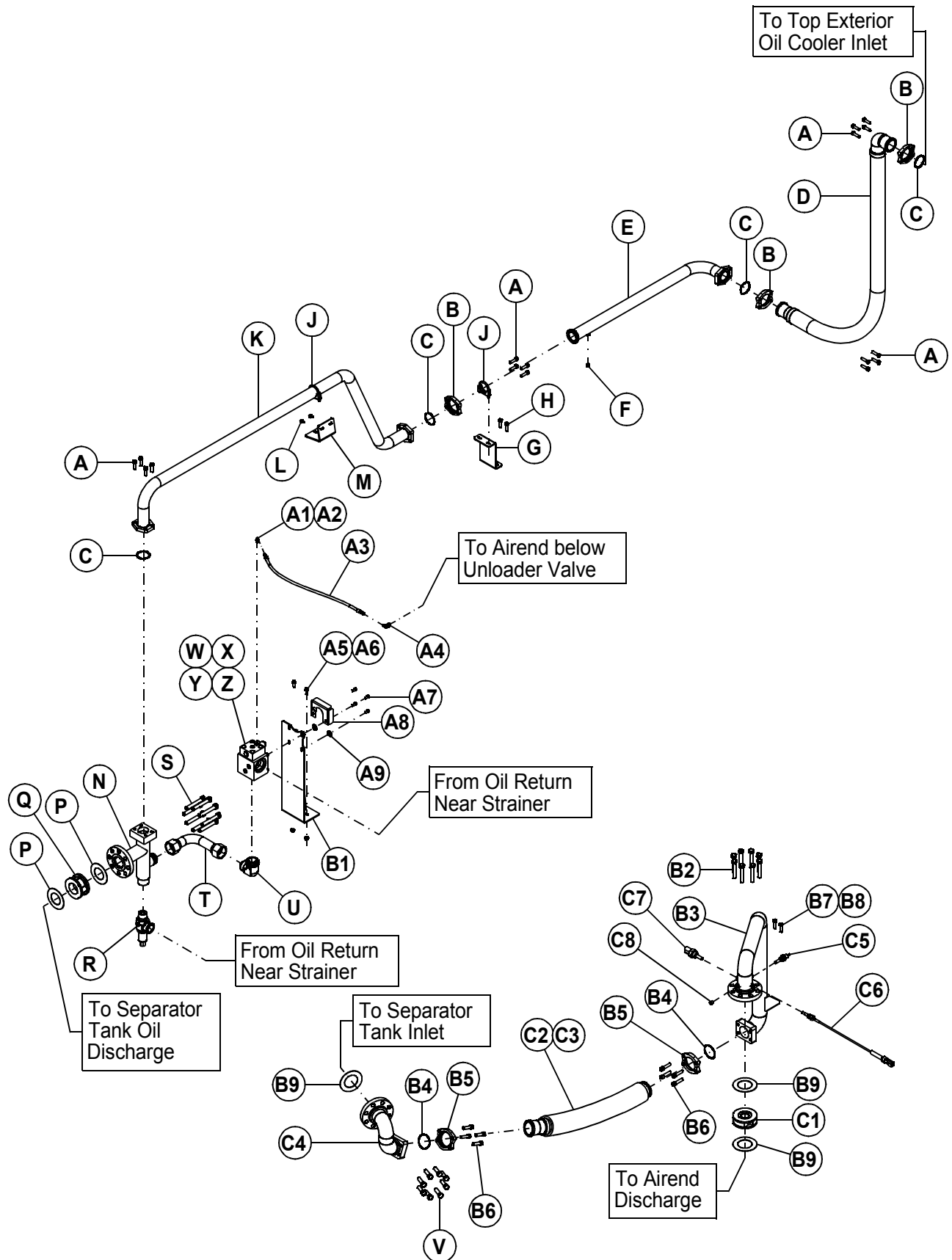
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95028502	O-Ring, 2.75" ID X 0.125" Cross Sect.	2	
B	95934451	Screw, Hex Head 1/2"-13 X 1.75"	8	
C	23216104	Tube, Aftercooler Top Rear	1	
D	23216112	Tube, Aftercooler Top Front	1	
E	95929089	Screw, Hex Head 5/8"-11 X 1.75"	16	
F	95358040	O-Ring, 3.38" ID X 0.125" Cross Sect.	4	
G	23092356	Tube, Separator Tank to Min. Press. Valve	1	
H	36893220	Adapter, Flat Face Flange 3.0" NPT	1	
J	95940946	Nipple, Short 3.0" NPT X 3.0" Lg	2	
K	95954814	Elbow, 90° 3.0" NPT	1	
L	23215445	Valve, Ball 3.0" NPT	1	
M	23222532	Valve, Minimum Pressure Check	1	
N	36788800	U-Bolt, 3.5" ID X 1/2"-13	2	
P	23212707	Tee, Tube Branch 3.0"	1	
Q	23231467	Support, Service Pipe	2	
R	95935003	Washer, Flat 1/2"	8	
S	95923348	Nut, Hex Nyloc 1/2"-13	8	
T	36880995	Screw, Hex Flange Head M10-1.5 X 30	8	
U	36879195	Nut, Hex Flange M10-1.50	8	
V	23231970	Support, Service Pipe	1	
W	23230824	Bracket, Service Pipe	1	
X	36879492	Screw, Hex Flange Head M12-1.75 X 25	2	
Y	35190487	Bracket, Tube Clamp	1	
Z	36898096	Screw, Hex Flange M06-1.0 X 20	2	
A1	35279025	Screw, Hex Tapping M08-1.25 X 20	4	

AFTERCOOLER AIR PIPING - WATER SEPARATOR SIDE



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95028502	O-Ring, 2.75" ID X 0.125" Cross Sect.	1	
B	95934451	Screw, Hex Head 1/2"-13 X 1.75"	4	
C	23233125	Tube, Aftercooler to Water Separator	1	
D	95286910	Elbow, 90° Tube 2.0" NPT X 2.0" Tube	1	
E	96719265	Screw, Hex Head M10-1.5 X 50	4	
F	95935037	Washer, Flat 3/8"	4	
G	36880995	Screw, Hex Flange Head M10-1.5 X 30	8	
H	23234420	Bracket, Water Separator	2	
J	36879195	Nut, Hex Flange M10-1.50	8	
K	96735550	Nut, Hex M10-1.50	4	
L	95944609	Nipple, 2.0" NPT X 2.0" Lg	1	
M	54731617	Separator, Water	1	
N	95245353	Bushing, Reducer 1/2" NPT to 3/8" NPT	1	
P	95772562	Nipple, 3/8" NPT X 1.0" Lg	1	
Q	36844579	Y-Strainer, 3/8" NPT	1	
R	95940748	Bushing, Reducer 3/8" NPT to 1/4" NPTF	1	
S	35322346	Fitting, Hex 0.156" Orifice 1/4" NPT	1	
T	36841526	Heater, 3/4" Hex 24 VDC	1	
U	95937587	Connector, Tube Fitting 1/4" NPT X 3/8" Tube	1	
V	46498259	Hose Assembly, -6 JIC X 2850	1	
W	22758007	Valve, Swing Check 2.0" NPT	1	
X	95944351	Connector, Hex 2.0" NPT X 2.0" Tube	1	
Y	23233133	Tube, Water Separator to Service Pipe	1	
Z	95929089	Screw, Hex Head 5/8"-11 X 1.75"	8	
A1	95358040	O-Ring, 3.38" ID X 0.125" Cross Sect.	2	
A2	36893220	Adapter, Flat Face Flange 3.0" NPT	1	
A3	23212707	Tee, Tube Branch 3.0"	1	
A4	23215445	Valve, Ball 3.0 NPT	2	
A5	23231467	Support, Service Pipe	1	
A6	95935003	Washer, Flat 1/2"	8	
A7	95923348	Nut, Hex Nyloc 1/2"-13	8	
A8	36788800	U-Bolt, 3.5" ID X 1/2"-13	4	
A9	23212699	Pipe, Service 3.0"	1	
B1	54393210	Nipple, 1.0" Orifice 3.0" NPT X 3.0" Lg	1	
B2	95956470	Elbow, 45° 3.0" NPT	1	
B3	95940946	Nipple, Short 3.0" NPT X 3.0" Lg	1	
B4	46490298	Bracket, Service Pipe	1	
B5	95935052	Washer, Flat 5/8"	2	
B6	35375591	Screw, Hex Head M16-2.0 X 30	2	

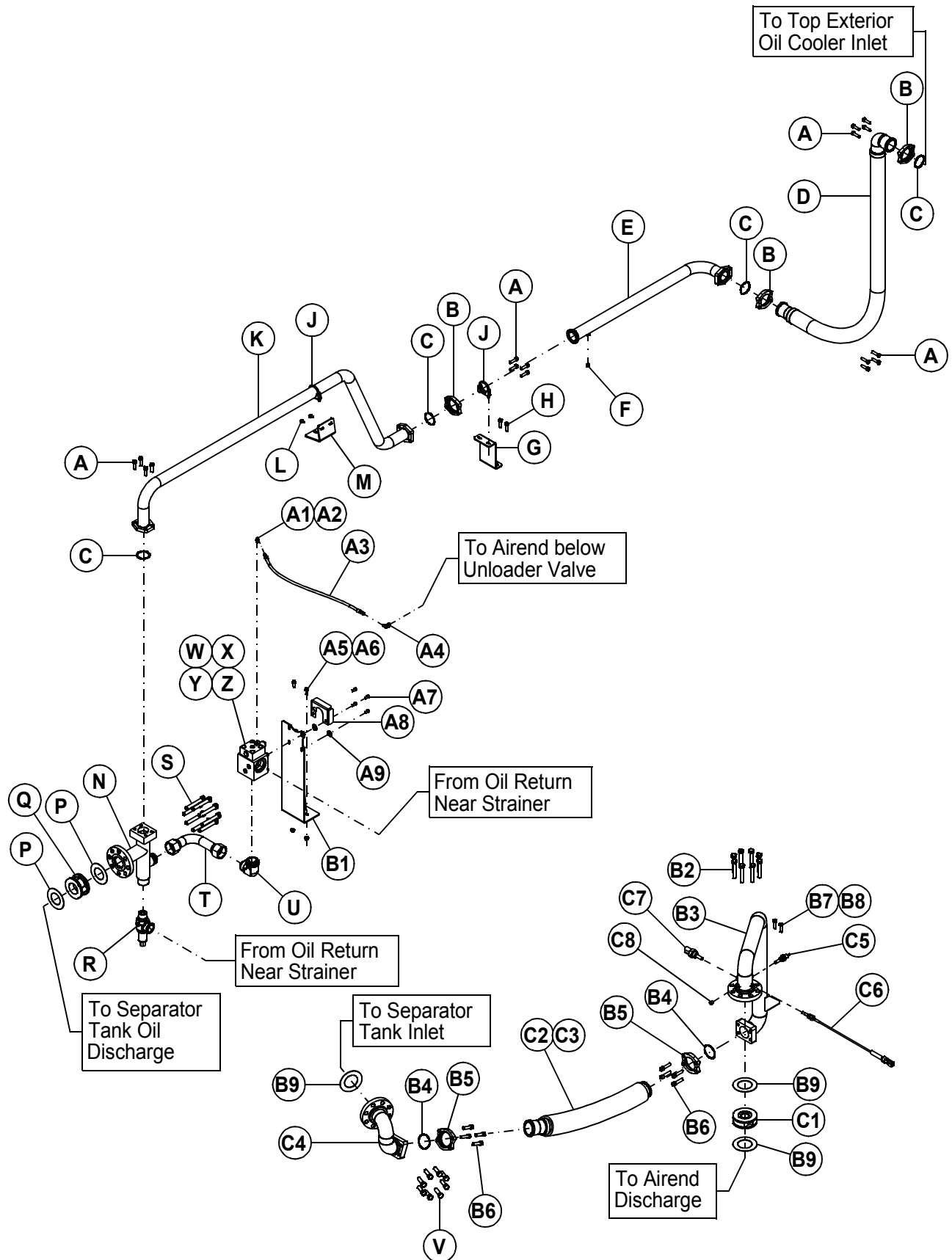
OIL PIPING - SUPPLY



46499240_01/10_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95934451	Screw, Hex Head 1/2"-13 X 1.75"	16	Continued
B	95961496	Clamp, Split Half Flange 2.50"	6	
C	95028502	O-Ring, 2.75" ID X 0.125" Cross Sect.	4	
D	23325467	Hose, Oil Inlet 2.50"	1	
E	23324569	Tube, Oil Cooler Rear	1	
F	95928222	Plug, Hex C'Sink 3/8" NPT	1	
G	23329642	Bracket, Tube Support	1	
H	36889608	Screw, Hex Flange M08-1.25 X 25	2	
J	35209048	Clamp, Saddle 2.50" ID	2	
K	23324528	Tube, Oil Cooler Rear	1	
L	35279025	Screw, Hex Tapping M08-1.25 X 20	5	
M	23331341	Bracket, Tube Support	1	
N	23216880	Manifold, Oil	1	
P	23152549	Gasket, Ring 2.50" X 300 Lb	2	
Q	23218274	Valve, Wafer Check 2.5"	1	
R	43206614	Valve, Relief 75 PSI	1	
S	23273618	Screw, Hex Head 3/4"-10 X 5.0"	8	
T	23221369	Tube, Seperator Tank to OTBV	1	
U	95944740	Elbow, 90° Straight O-Ring 2.5"-12 X 2" Tube	1	
V	95929105	Screw, Hex Head 3/4"-10 X 2.50"	8	
W	23244833	Valve, Oil Temperature Bypass (OTBV)	1	
X	46491171	Valve, Porprotional	AR	
Y	46491189	Screen, Valve	AR	
Z	35279942	O-Ring, 1.48" ID X 0.118" Cross Sect.	AR	
A1	35279876	Elbow, 90° 7/16"-20 X -4 JIC	1	

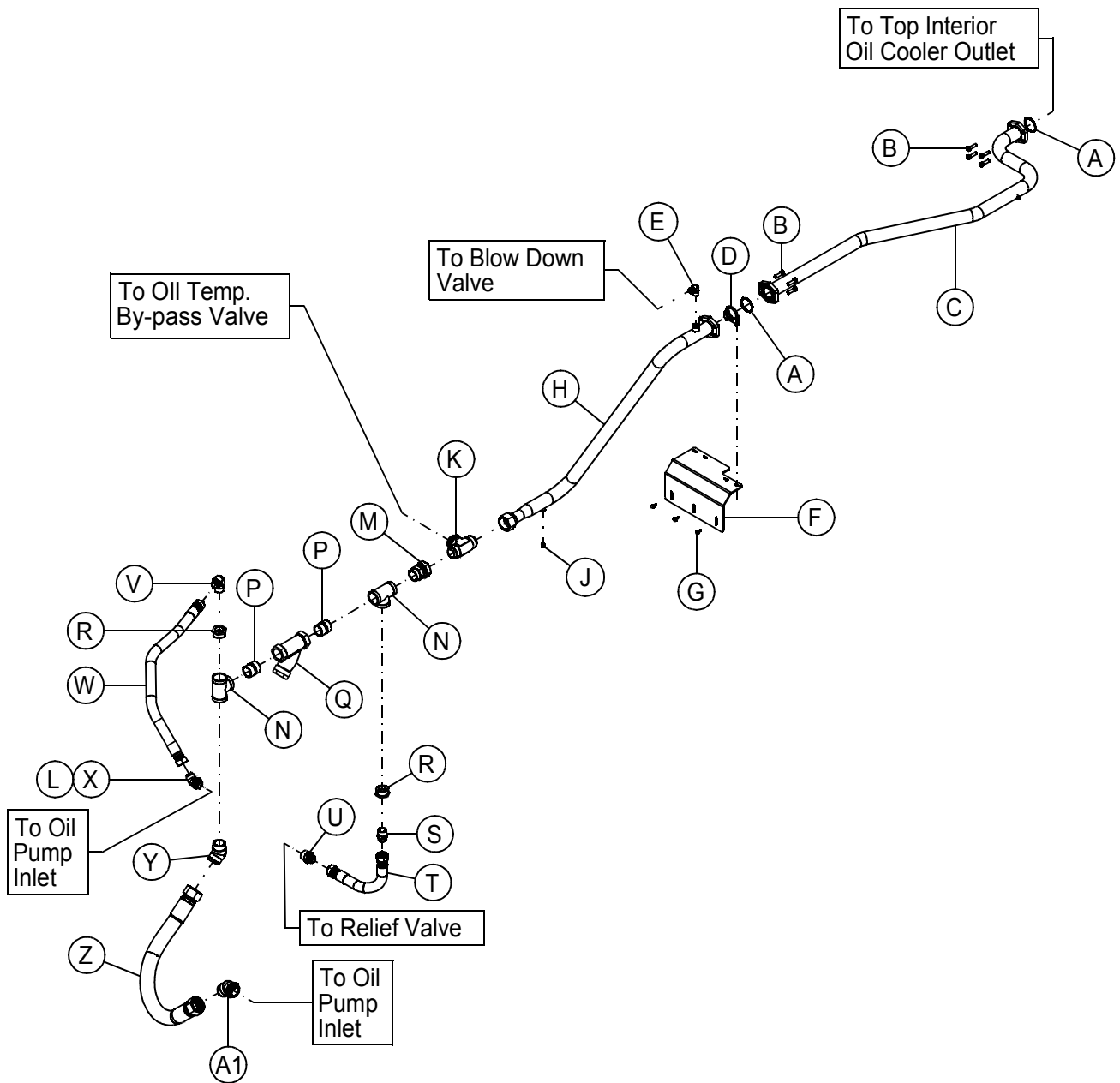
OIL PIPING - SUPPLY



46499240_01/10_B

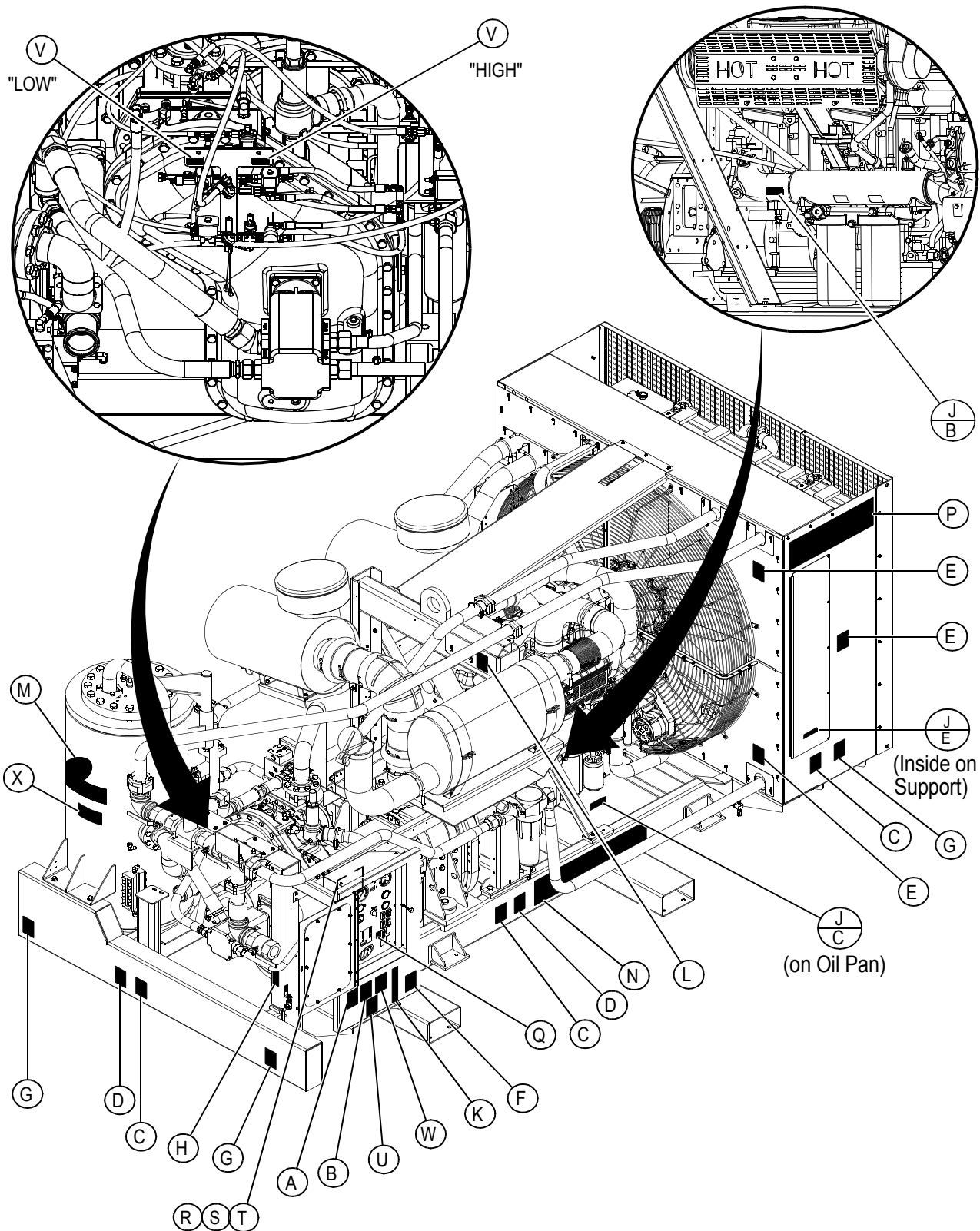
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A2	35279959	O-Ring, 0.35" ID X 0.072" Cross Sect.	AR	<i>....Continued</i>
A3	46496774	Hose Assembly, -4 JIC X 800	1	
A4	95365094	Elbow, 90° 7/16"-20 X -4 JIC	1	
A5	36880995	Screw, Hex Flange Head M10-1.5 X 30	2	
A6	36879195	Nut, Hex Flange M10-1.50	2	
A7	95103743	Screw, Hex Head 3/8"-16 X 3/4"	4	
A8	23311111	Cover, OTBV	1	
A9	95379129	Washer, Flat 3/8"	4	
B1	23293459	Bracket, Oil Temperature Bypass Valve	1	
B2	95929139	Screw, Hex Head 3/4"-10 X 4.5"	8	
B3	23321284	Pipe, A/E Discharge w/ Check Valve 3.0"	1	
B4	95358040	O-Ring, 3.38" ID X 0.125" Cross Sect.	2	
B5	95016283	Clamp, Split Half Flange 3.0"	4	
B6	95013728	Screw, Hex Socket Head 5/8"-11 X 2.50"	8	
B7	36888055	Screw, Hex Flange M12-1.75 X 30	2	
B8	36789203	Nut, Hex Flange M12-1.75	2	
B9	95903555	Gasket, Ring 3.0" X 600 Lb	3	
C1	36843720	Valve, Wafer Check 3.0"	1	
C2	23321193	Hose, Discharge 3.0"	1	
C3	23340581	Wrap, Discharge Pipe	1	
C4	23318652	Pipe, Discharge Separator Tank 3.0"	1	
C5	22770655	Sender, Temperature 0° - 300° F	1	
C6	54557087	Sensor, Temperature RTD	1	
C7	23294820	Sensor, Temperature	1	
C8	95928230	Plug, Hex Socket Pipe 1/4" NPT	1	

OIL PIPING - RETURN



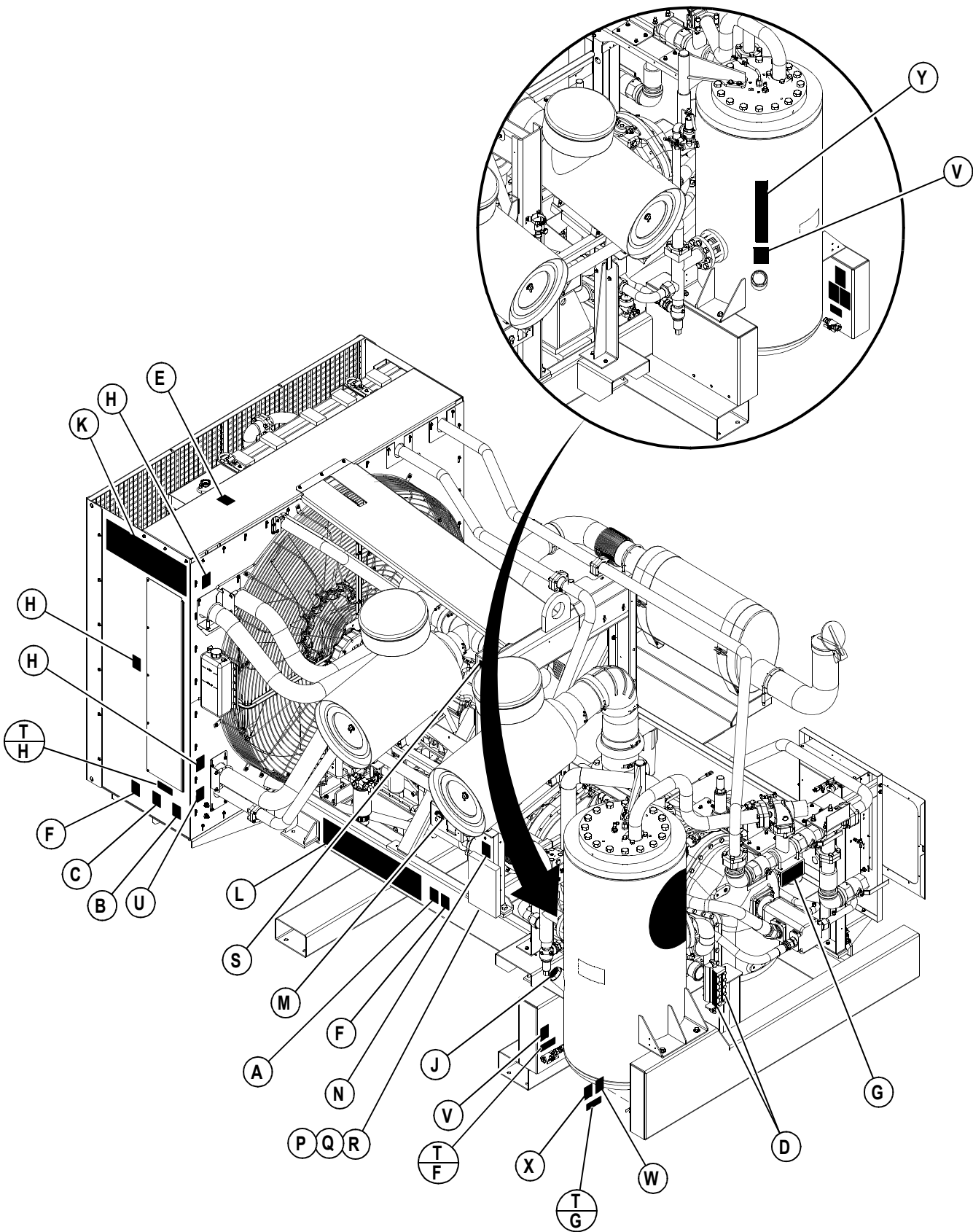
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95028502	O-Ring, 2.75" ID X 0.125" Cross Sect.	2	
B	95934451	Screw, Hex Head 1/2"-13 X 1.75"	8	
C	23199482	Tube, Oil Cooler Top	1	
D	35209048	Clamp, Saddle 2.50" ID	1	
E	35294735	Elbow, 90° Tube 3/4" NPT X 3/4" Tube	1	
F	23310519	Bracket, Tube Support	1	
G	35279025	Screw, Hex Tapping M08-1.25 X 20	3	
H	23202096	Tube, Oil Cooler Top Front	1	
J	95928222	Plug, Hex C'Sink 3/8" NPT	1	
K	95943023	Tee, Tube w/ O-Ring 2.5"-12 X 2.0" Tube	1	
L	35279942	O-Ring, 1.48" ID X 0.118" Cross Sect.	AR	
M	95999843	Connector, Tube Swivel 2.0" NPT X 2.0" Tube	1	
N	95974713	Tee, Straight 2.0" NPT	2	
P	95953790	Nipple, Short 2.0" NPT X 2.5" Lg	2	
Q	23275993	Strainer, 2.0" NPT	1	
R	95950333	Bushing, Reducer 2.0" NPT to 1.25" NPT	2	
S	95219770	Connector, Tube 1.25" NPT X 1.25" Tube	1	
T	35108638	Hose Assembly, -20 JIC X 19"	1	
U	95316964	Connector, Tube 1.5" NPT X 1.25" Tube	1	
V	95219861	Elbow, 90° 1.25" NPT X 1.25" Tube	1	
W	23326895	Hose Assembly, -20 JIC X 1092.2	1	
X	35283191	Elbow, 45° O-Ring 1.62"-12 X 1.25" Tube	1	
Y	95946190	Elbow, 45° 2.0" NPT X 2.0" Tube	1	
Z	23326929	Hose Assembly, -32 JIC X 1041.4	1	
A1	95944732	Elbow, 45° O-Ring 2.5"-12 X 2.0" Tube	1	

EXHAUST SIDE DECAL LOCATION



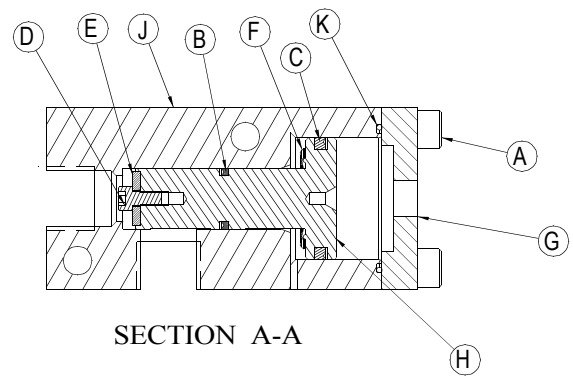
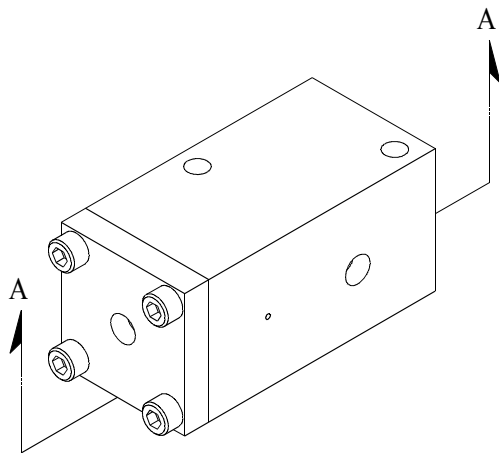
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568787	Decal, Improper Operation	1	
B	46491064	Decal, Operating Instructions	1	
C	36520310	Decal, Do Not Drop Unit	3	
D	54604939	Decal, Fall Off Unit	2	
E	54568779	Decal, Rotating Fan	3	
F	46555760	Decal, Hearing Protection Warning	1	
G	54749205	Decal, No Welding	3	
H	46491692	Decal, Vertical 3-Part Warning	1	
J	46491635	Decal, Central Drains	1	
K	54640040	Decal, XHP Lube	1	
L	54699400	Decal, Lift point	1	
M	46592492	Swoosh/Signature, 12.25"	1	
N	46492575	Stripe, 34" Logo	1	
P	46549416	Number, XXHP1270/XHP1500 Model	1	
Q	23362387	Decal, Hi / Lo Pressure Switch	1	
R	23233059	Binder, 3 Ring	1	
S	22068282	Screw, Tapping M4 X 25	2	
T	46499158	Laminate Set	1	
U	23362791	Decal, Ether Usage	1	
V	23366669	Decal, High Low Pressure	1	
W	46491700	Decal, Separator Tank Drain	1	
X	46497418	Decal, 4" Doosan	1	

SEPARATOR SIDE DECAL LOCATION



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54604939	Decal, Fall Off Unit	1	
B	54749205	Decal, No Welding	1	
C	54568761	Decal, Hot Pressurized Fluid	1	
D	22383319	Decal, Oil Level	2	
E	54604962	Decal, Hot Radiator	1	
F	36520310	Decal, Do Not Drop Unit	2	
G	23361967	Decal, Aftercooler Valve Operation	1	
H	54568779	Decal, Rotating Fan	3	
J	54604970	Decal, Oil Fill (XHP605)	1	
K	46549416	Number, XXHP1270/XHP1500 Model	1	
L	46492575	Stripe, 34" Logo	1	
M	54642327	Decal, Battery Disconnect	1	
N	23362791	Decal, Ether Usage	1	
P	22150361	Bracket, Literature Pouch	1	
Q	22916019	Pouch, Literature	1	
R	92368687	Screw, Tapping M06-1.0 X 14	8	
S	54699400	Decal, Lift point	1	
T	46491635	Decal, Central Drains	1	
U	23321961	Decal, Low Sulfur Diesel	1	
V	54568795	Decal, High Pressure Air	2	
W	35859354	Decal, Separator Drain	1	
X	46491700	Decal, Separator Tank Drain	1	
Y	54640024	Decal, XHP Lube	1	

BLOWDOWN VALVE



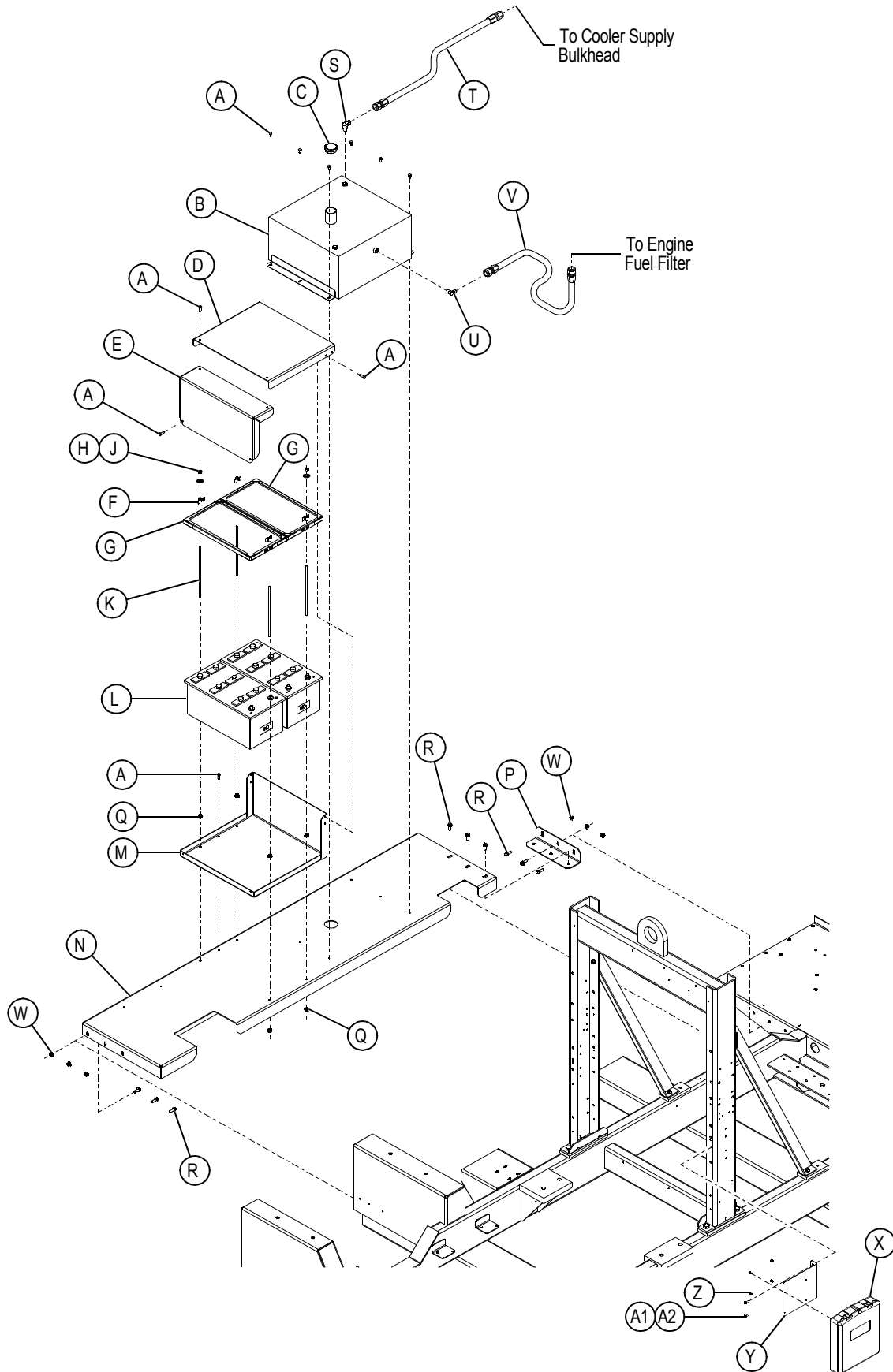
46499240_03/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35311463	Screw, Hex Socket Head M10-1.50 X 30	4	
B	35335066	Seal, U-Packing 1.0" OD X 3/4" ID	1	
C	35335074	Seal, U-Packing 2.0" OD X 1.625" ID	1	
D	35337070	Screw, Hex Socket Head M06-1.0 X 12	1	
E	35337088	Washer, Seal 7/8" Nom X 1/8" Tk	1	
F	35601749	Spring, Wave	1	
G	35849108	Cover, Blowdown Valve	1	
H	35849116	Piston, Blowdown Valve	1	
J	36731602	Body, Blowdown Valve	1	
K	95021994	O-Ring, 2.25" ID X 0.094" Cross Sect.	1	



Section C - OPTION PARTS

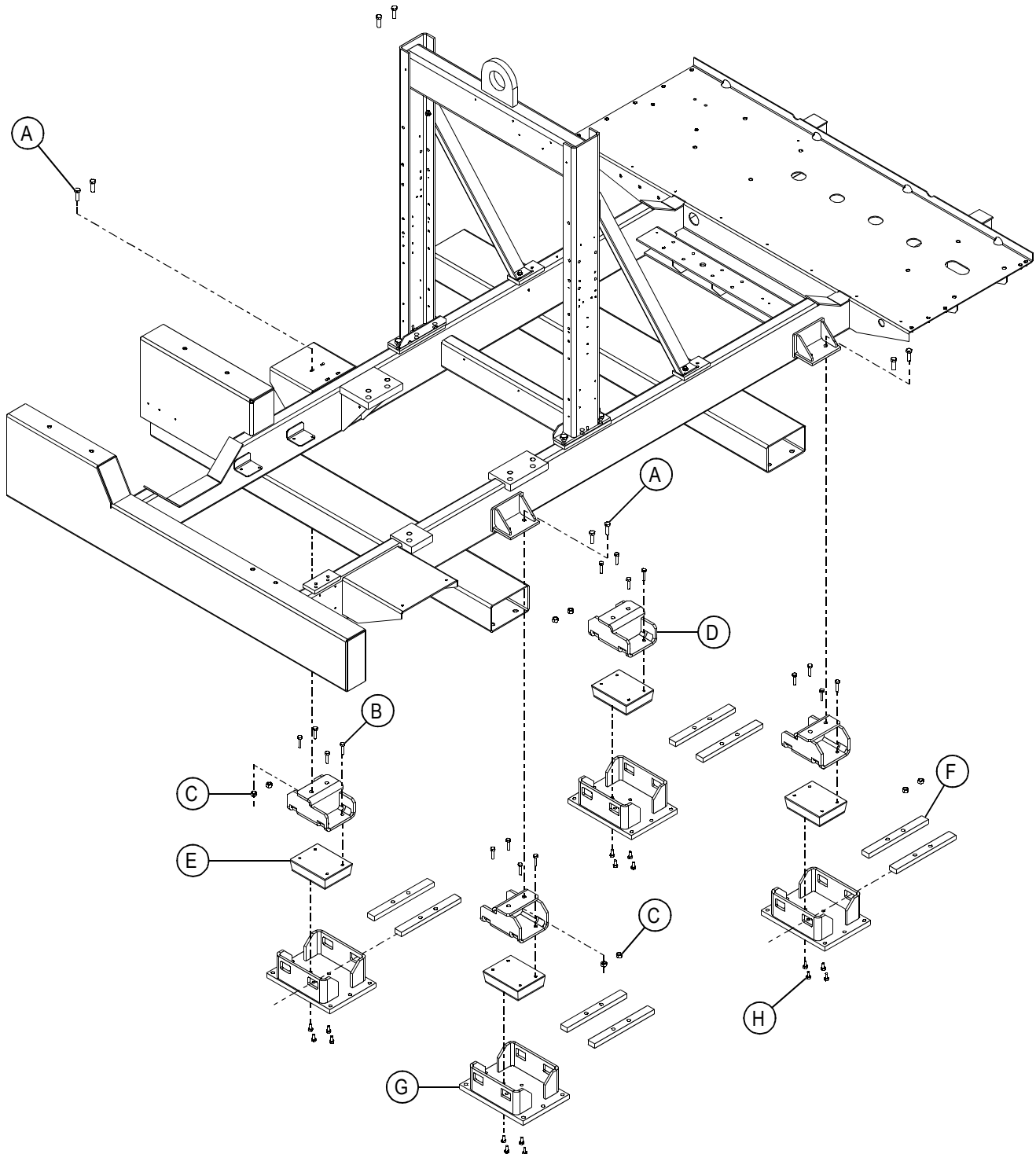
BATTERY / DAY TANK



46499240_01/10_A

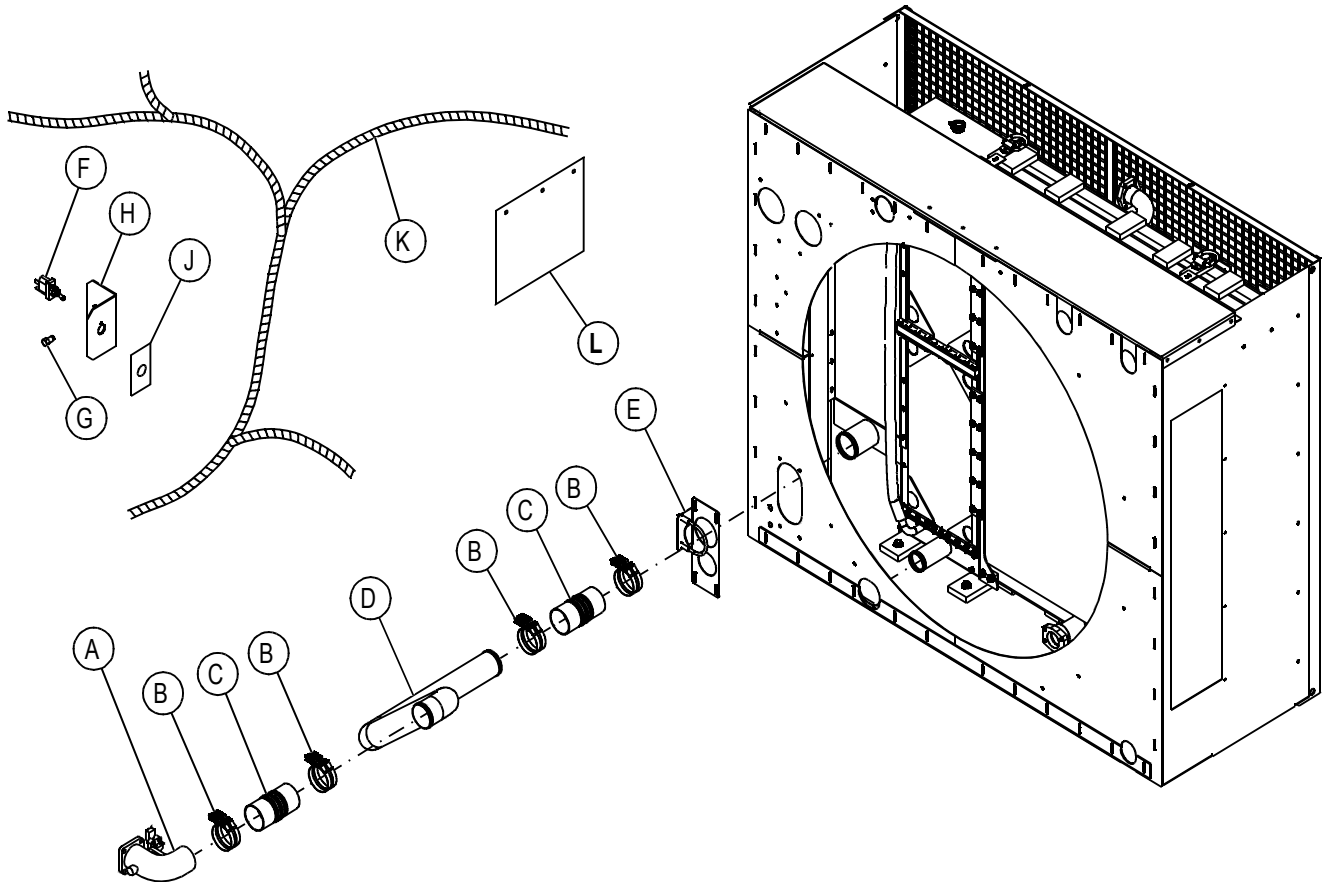
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279025	Screw, Hex Tapping M08-1.25 X 20	13	
B	46499380	Tank, Fuel	1	
C	35135102	Cap, Fuel Tank	AR	
D	54523147	Cover, Battery Tray	1	
E	54532866	Support, Battery Tray Cover	1	
F	35108216	Clip, Battery Frame	4	
G	35562156	Frame, Battery Hold Down	2	
H	95935037	Washer, Flat 3/8"	4	
J	95923322	Nut, Hex Nyloc 3/8"-16	4	
K	54715479	Stud, Battery 3/8"-16 X 13.75"	4	
L	35225788	Battery, 12 VDC	2	
M	46546685	Tray, Battery	1	
N	23361892	Bracket, Battery/Day Tank Support	1	
P	46546271	Bracket, Support	1	
Q	35145077	Nut, Hex Flange 3/8"-16	8	
R	36888055	Screw, Hex Flange M12-1.75 X 30	9	
S	35283118	Elbow, 90° Tube 3/8" NPT X 1/2" Tube	1	
T	35310234	Hose Assembly, -8 JIC X 58"	1	
U	35309210	Elbow, 90° Tube 1/2" NPT X 1/2" Tube	1	
V	35283308	Hose Assembly, -8 JIC X 26"	1	
W	36879203	Nut, Hex Flange M12-1.75	6	
X	22916019	Pouch, Literature	1	
Y	46546701	Bracket, Literature Pouch Mounting	1	
Z	92368687	Screw, Tapping M06-1.0 X 14	4	
A1	36889608	Screw, Hex Flange M08-1.25 X 25	2	
A2	36881886	Nut, Hex Flange M08-1.25	2	

ISOLATION MOUNT



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96703962	Screw, Hex M16-2.0 X 50	8	
B	95994877	Screw, Hex 1/2"-20 X 2.0"	16	
C	96701750	Nut, Hex M16-2.0 X 50	8	
D	22110761	Suport, Upper Shock Mount	4	
E	36847002	Isolator, Shear Mount	4	
F	22112171	Bar, Shock Mount Restraint	8	
G	22110753	Suport, Lower Shock Mount	4	
H	95954079	Screw, Hex 1/2"-20 X 1.0"	16	

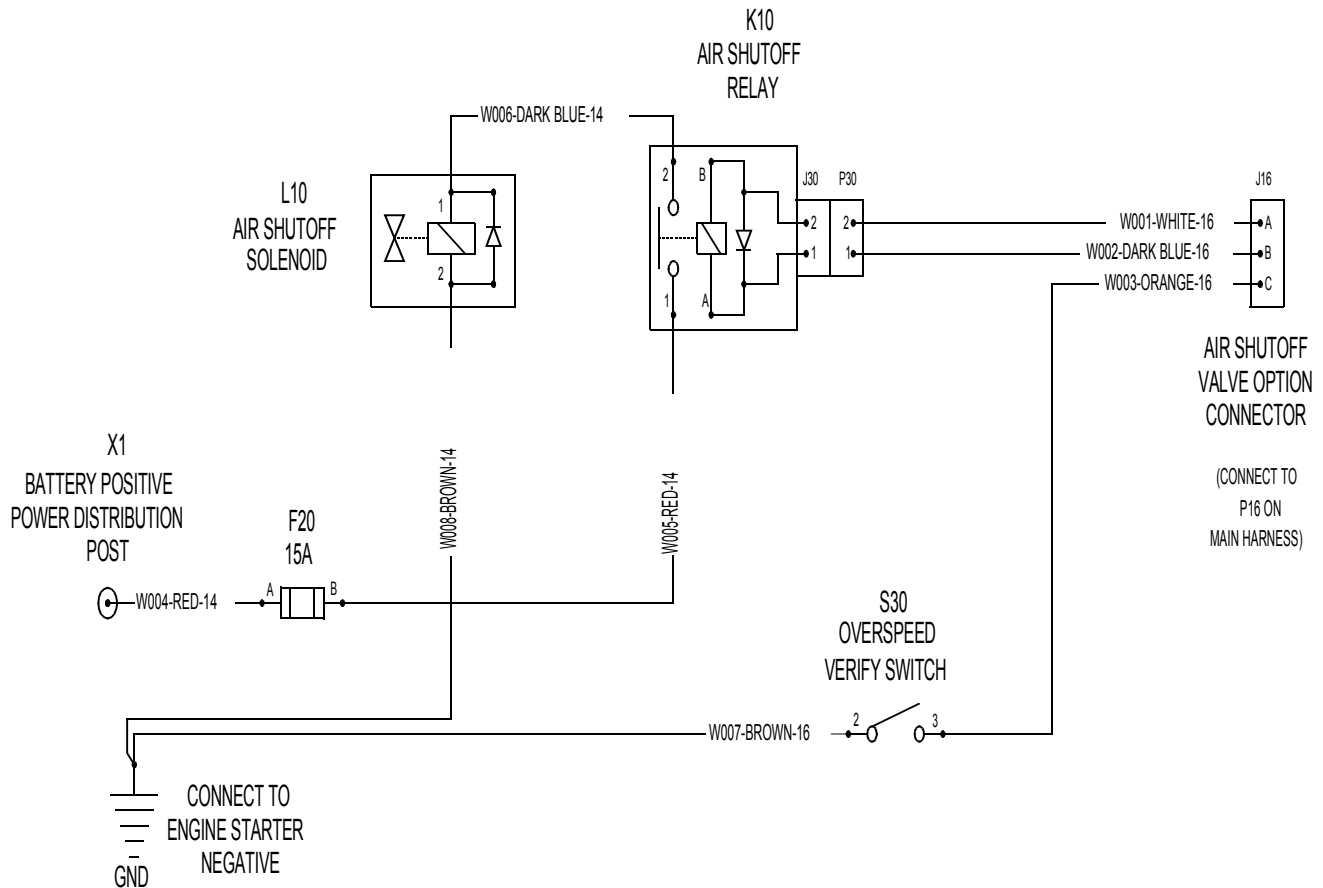
OVERSPEED VALVE



46499240_03/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23008592	Valve, Air Shutoff	1	
B	54444427	Clamp, Spring Loaded T-Bolt 4.25"	8	Reuse
C	23341845	Connector, Flexible 8" Lg	2	Reuse
D	46545067	Tube, Discharge Air Bottom	1	
E	23341449	Plate, Single Tube Cover	1	Reuse
F	54615091	Switch, Toggle	1	
G	36797652	Screw, Tapping M06-1.0 X 12	1	
H	22311823	Bracket, Autostart	1	
J	23059413	Decal, Run / Test	1	
K	46545745	Harness, Air Shutoff System	1	
L	46545877	Card, Air Shutoff Wiring	1	

AIR SHUT-OFF SWITCH



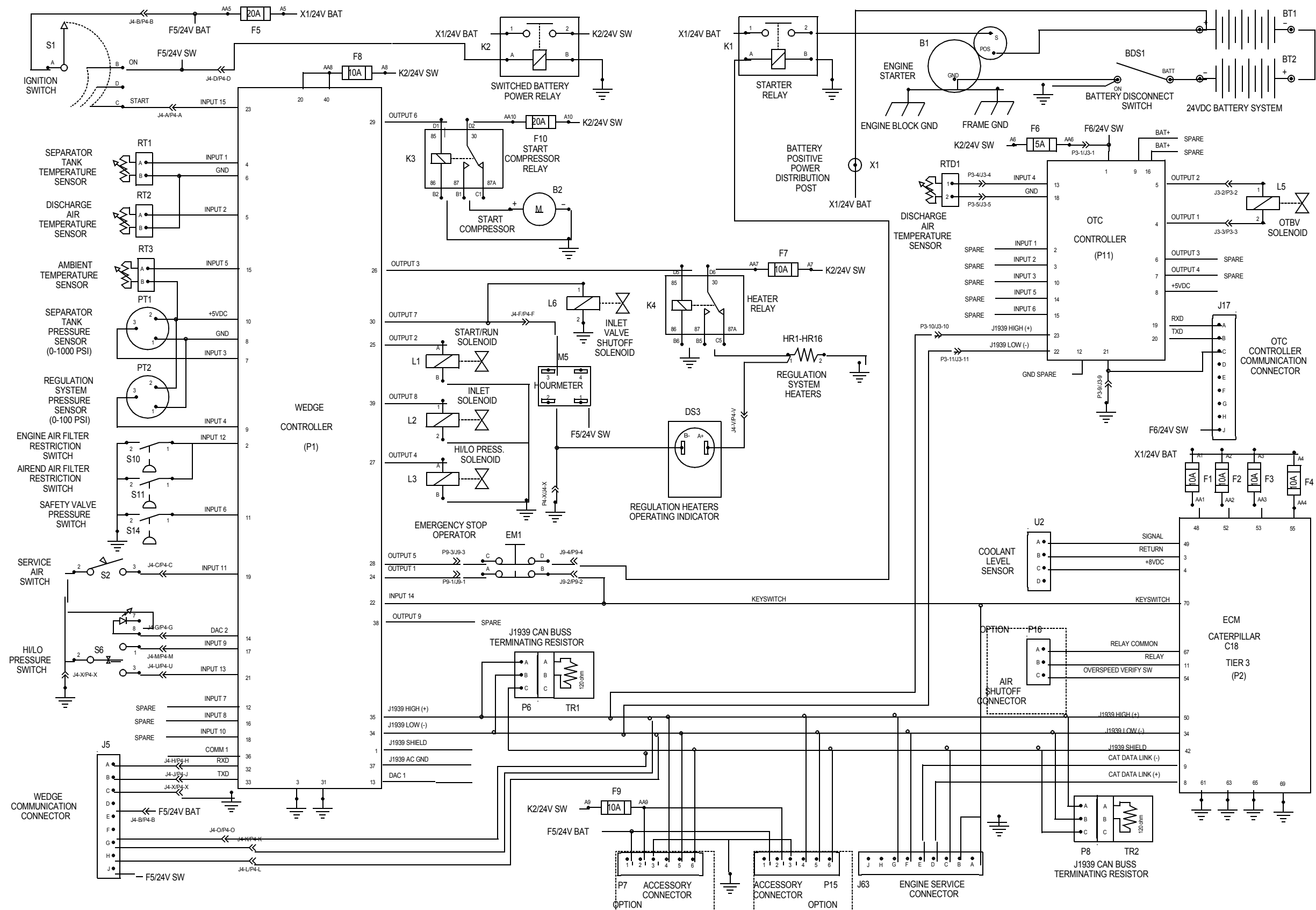
46499240_01/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
F20	22071575	Fuse, 15A	1	Included with 23008592 Valve Included with 23008592 Valve
	46551840	Cap, Fuse (Replacement)	AR	
K10	~	Relay	1	
L10	~	Solenoid	1	
S30	54615091	Switch	1	
~	46545745	Harness, Air Shut-off Switch	1	



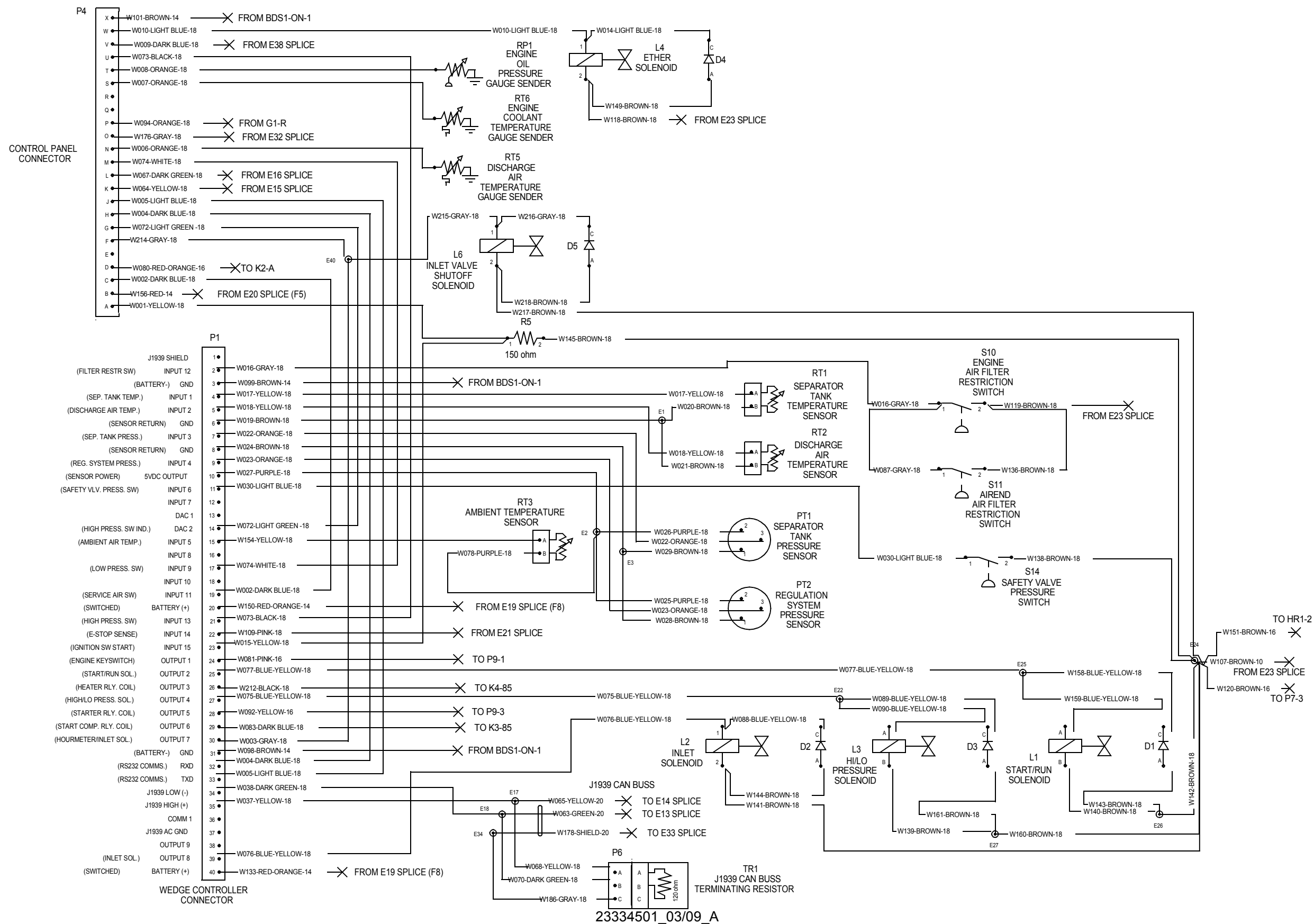
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SYSTEM WIRING SCHEMATIC

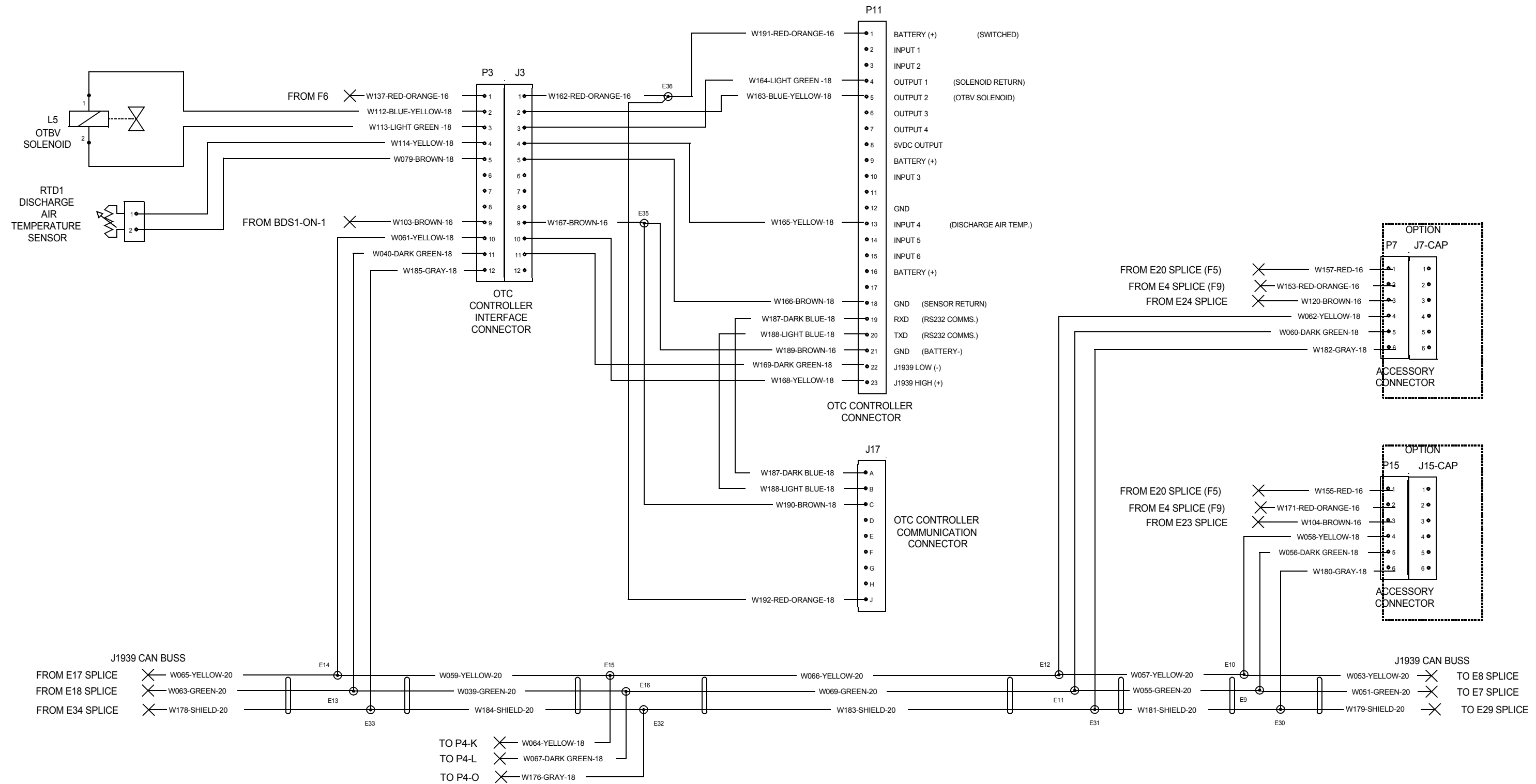


23334501_03/09_A

CHASSIS WIRING SCHEMATIC CONTROLS and SHUTDOWNS

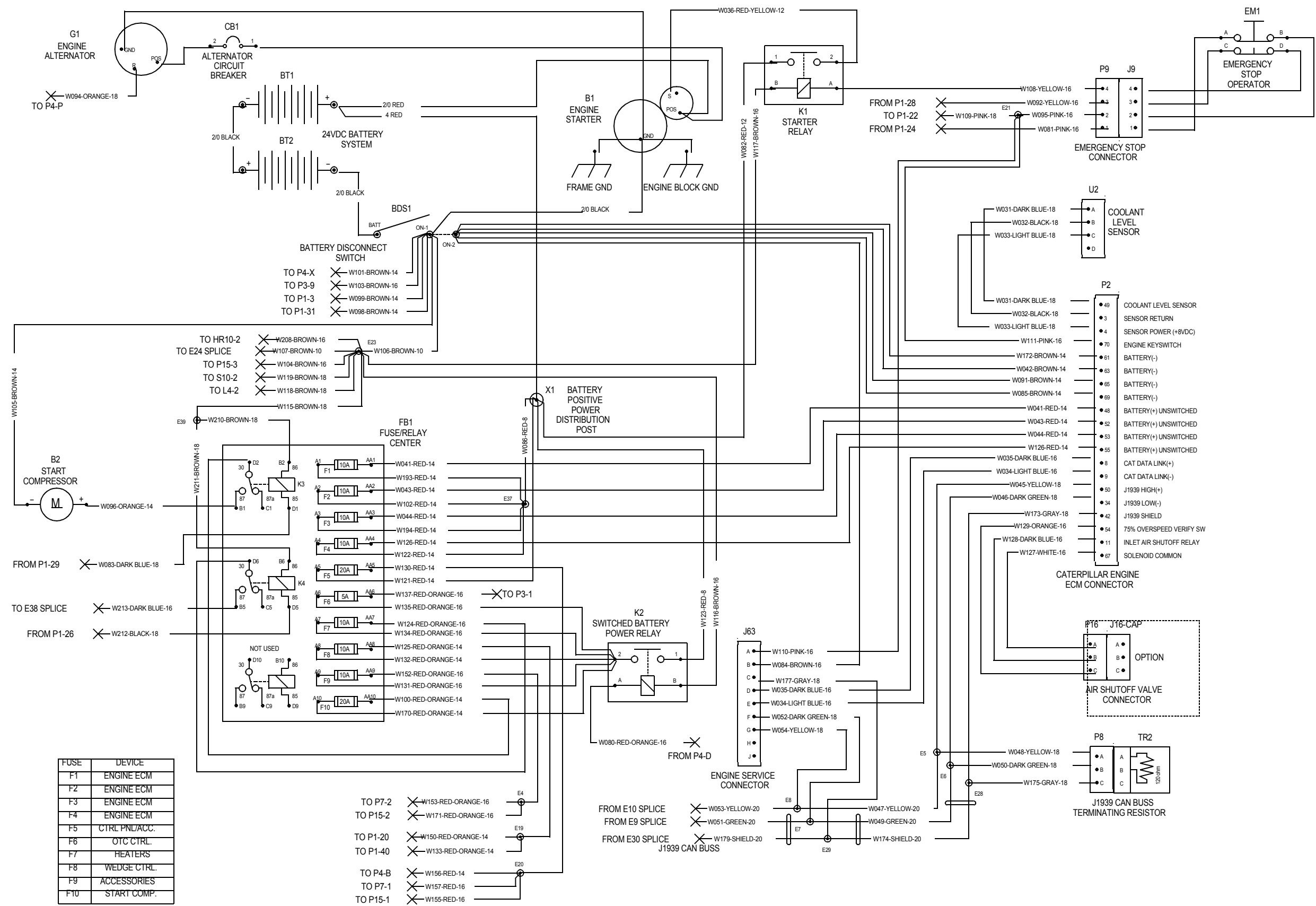


CHASSIS WIRING SCHEMATIC CONTROLLER INTERFACE



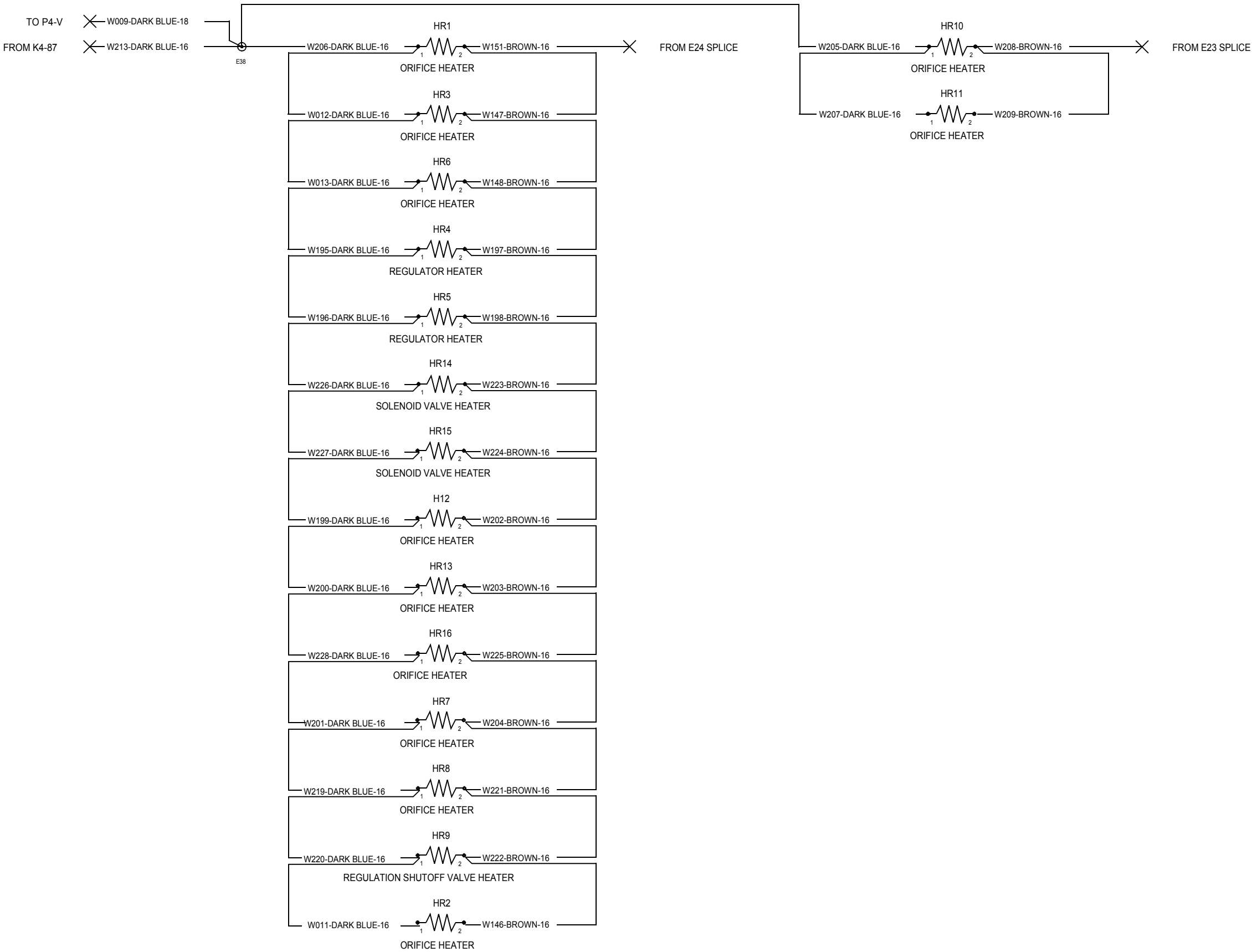
23334501_03/09_A

CHASSIS WIRING SCHEMATIC POWER DISTRIBUTION



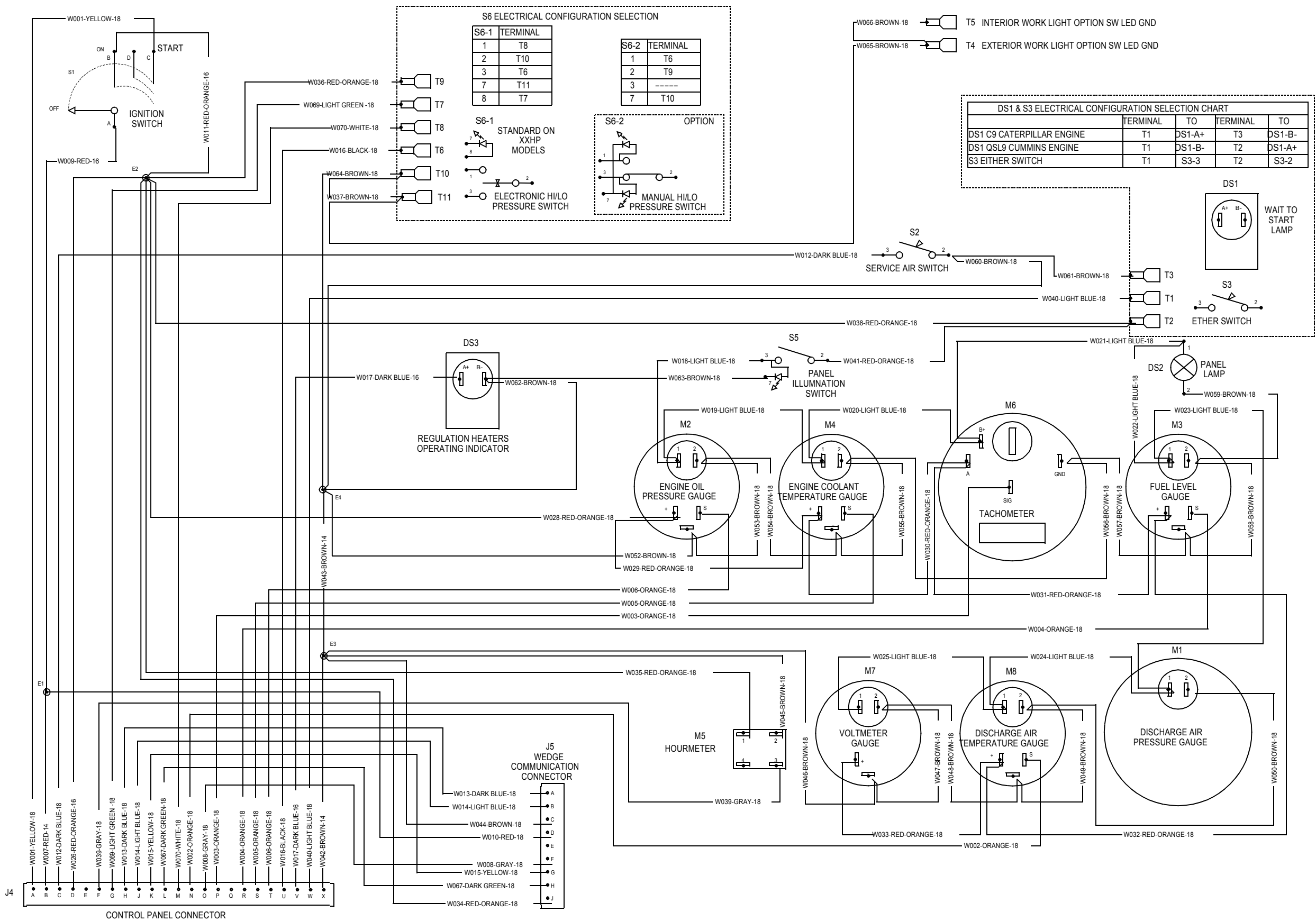
23334501_03/09_A

CHASSIS WIRING SCHEMATIC HEATERS



23334501_03/09_A

CONTROL PANEL WIRING SCHEMATIC



23334501_03/09_A

WIRING PARTS LIST

ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION
		CHASSIS HARNESS						CONTROL PANEL HARNESS
B1	46490611	Starter	K2	36853521	Relay, 100 A	DS2	36883825	Lamp, Panel
B2	36850691	Motor, Start Compressor	K3	23316250	Relay, Mini	~	22113880	Bulb, Replacement
BDS1	36896975	Switch, Battery Disconnect	K4	23316250	Relay, Mini	DS3	22050553	Indicator, Heater
BT1	Customer	Battery, 12VDC	L1	46499729	Valve, Solenoid	M1	23320930	Gauge, Pressure 0-1000 PSI (Discharge)
BT2	Customer	Battery, 12VDC	L2	36842318	Valve, Solenoid	~	22137426	Bulb, Replacement
CB1	CAT Part	Breaker, Circuit	L3	46499729	Valve, Solenoid	M2	22692628	Gauge, Pressure 0-150 PSI (Engine Oil)
D1	35376169	Diode	L4	35306158	Valve, Ether Solenoid	~	22137426	Bulb, Replacement
D2	35376169	Diode	L5	46491171	OTBV Solenoid	M3	~	NOT AVAILABLE
D3	35376169	Diode	~	23366792	Backshell, OTBV	M4	22692610	Gauge, Temperature 0°-300° F (Engine Coolant)
D4	35376169	Diode	L6	36842318	Valve, Solenoid	~	22137426	Bulb, Replacement
D5	35376169	Diode	P2	23366776	Backshell, Replacement	M5	54766704	Hourmeter
EM1	23281017	E-Stop	P4	23366750	Backshell, Replacement	M6	22055883	Tachometer
F1	23091812	Fuse, 10 A	PT1	23258932	Sensor, Pressure	~	22137426	Bulb, Replacement
F2	23091812	Fuse, 10 A	PT2	36920825	Sensor, Pressure	~	22271779	Board, Replacement Resistor
F3	23091812	Fuse, 10 A	R5	NA	Resistor, 150 Ohm	M7	22692594	Voltmeter
F4	23091812	Fuse, 10 A	RP1	36870608	Sender, Pressure	~	22137426	Bulb, Replacement
F5	23091838	Fuse, 20 A	RT1	23294820	Sensor, Temperature	M8	22692610	Gauge, Temperature 0°-300° F (Dischg Air)
F6	23326069	Fuse, 5 A	RT2	23294820	Sensor, Temperature	~	22137426	Bulb, Replacement
F7	23091812	Fuse, 10 A	RT3	23294820	Sensor, Temperature	S1	22127385	Switch, Ignition
F8	23091812	Fuse, 10 A	RT5	22770655	Sender, Temperature	~	22134118	Knob Assembly Replacement
F9	23091812	Fuse, 10 A	RT6	36841138	Sender, Temperature	S2	22054076	Switch, Load
F10	23091838	Fuse, 20 A	RTD1	54557087	Sensor, Temperature	S3	22054068	Switch, Ether
FB1	23366172	Cover, Replacement	S10	36847838	Switch, Vacuum	S5	22053896	Switch, Panel Illumination
~	23322688	Decal, Fuse/Relay	S11	36847838	Switch, Vacuum	S6	23262825	Switch, HI/Lo Pressure
G1	46490603	Alternator	S14	36757581	Switch, Pressure	~	23303399	Harness, Control Panel
HR1	36841526	Heater, Orifice	TR1	23366784	Resistor, Terminating			
HR2	36841526	Heater, Orifice	TR2	23366784	Resistor, Terminating			
HR3	36841526	Heater, Orifice	U2	22102339	Sensor, Coolant Level			
HR4	23316612	Heater, Regulator	X1	23322738	Stud, Battery Distribution			
HR5	23316612	Heater, Regulator	~	23258114	Harness, Chassis			
HR6	36841526	Heater, Orifice	~	22173579	Controller, Wedge			
HR7	36841526	Heater, Orifice	~	23302748	Controller, OTC			
HR8	36841526	Heater, Orifice	~	36783488	Strap, Frame Ground			
HR9	36854677	Heater, Regulator Shutoff	~	23323264	Cable, Positive Battery			
HR10	36841526	Heater, Orifice	~	23323249	Cable, Negative Battery			
HR11	36841526	Heater, Orifice	~	23323256	Cable, Negative to Starter Battery			
HR12	36841526	Heater, Orifice						
HR13	36841526	Heater, Orifice						
HR14	46499687	Heater, Solenoid						
HR15	46499687	Heater, Solenoid						
HR16	36841526	Heater, Orifice						
J5	23366768	Cap, Replacement						
J17	23366768	Cap, Replacement						
J63	23366768	Cap, Replacement						
K1	36853521	Relay, 100 A						



Section E - RECOMMENDED SERVICE PARTS

QTY	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES
1	35579523	Spring, Extension	
1	35584689	Cylinder, Air	
1	35605799	Adjuster, Spring	
4	36860336	Filter, Compressor Oil	
2	35388982	Nut, Wing	
2	36847838	Switch, Vacuum	
2	36867778	Ejector, Dust	
2	36864361	Element, Primary	
2	36864379	Element, Safety	
1	23284623	Valve, Relief 200 PSI	
1	23284342	Elbow, 90° 0.50" Dia. Orifice 1.31"-12 X 3/4" Tube	
1	23215445	Valve, Ball 3.0" NPT	
1	23222532	Valve, Minimum Pressure Check	
1	23342611	Valve, Anti-Rumble	
2	35849215	Valve, Blowdown	
1	22054068	Switch, Rocker Ether	
1	22054076	Switch, Rocker Service Air	
1	22055883	Tachometer	
1	22113880	Lamp, Incandescent 28V	
1	22127385	Switch, Ignition	
1	22134118	Knob, Ignition Switch	
1	22137426	Lamp, Incandescent 28V Gauge	
1	22692594	Gauge, Voltmeter	
2	22692610	Gauge, Temperature 300° F	
1	22692628	Gauge, Pressure 150 PSI	
1	22770655	Sender, Temperature 0° - 300° F	
1	23262512	Valve, Check 3/4" NPT	
1	23299472	Valve, Ball 1/4" NPT	
1	54557087	Sensor, Temperature RTD	
1	54766704	Hourmeter	
1	22053896	Switch, Rocker Panel Illumination	
1	22054050	Switch, Rocker Heater	
2	46553075	Valve, Solenoid 1/4" NPT 24VDC	
1	36757581	Switch, Pressure	
2	46553053	Valve, HP BFV Control	
1	35315795	Valve, LP Regulator	
1	46547873	Valve, Shuttle 1/4" NPT	
1	22102339	Sensor, Coolant Level	
1	23294820	Sensor, Temperature	
1	23320930	Gauge, 1000 PSI	
1	23239718	Window, Instrument Panel	
1	23258932	Transducer, Pressure 0-1000 PSI	
1	23277726	Switch, Rocker Hi-Lo Pressure	
4	35376169	Diode, Plug	
1	22730022	Bowl Assembly, Fuel / Water	
1	23119100	Coupling, Drive	
1	35362235	Element, Lube (Engine)	

QTY	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES
1	35362268	Element, Water (Engine)	
1	46490678	Belt Set, Fan Drive	
1	46491221	Belt, Alternator	
1	22090526	Filter, Secondary Fuel	
1	23218274	Valve, Wafer Check 2.5"	
1	23244833	Valve, Oil Temperature Bypass (OTBV)	
2	23152549	Gasket, Ring 2.50" X 300 Lb	
2	23346612	Heater, Conrader 24VDC	
1	35325133	Valve, Safety (150 PSIG)	
4	36841526	Heater, 3/4" Hex 24 VDC	
1	36854677	Heater, 24 VDC Regulator	
2	36920445	Valve, Blowdown	
1	36920825	Transducer, Pressure 0-100 PSI	
1	23091861	Glass, Sight	
1	23192917	Valve, Safety (600 PSIG)	
1	23276728	Tube, Scavenge	
2	23299480	Valve, Ball 3/4" NPT	
1	46491387	Glass, High Pressure Sight	
	46553428	Element, Separator	
17	22252076	XHP605 Compressor Fluid, 5 GAL.	
~	22252050	XHP605 Compressor Fluid, 55 GAL.	
11	54480918	ProTec Engine Fluid, 1 GAL	
~	36875938	ProTec Engine Fluid, 5 GAL	
~	36866903	ProTec Engine Fluid, 55 GAL	

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X

XHP605 Compressor Fluid

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Revision History

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