

PARTS MANUAL



Doosan Infracore
Portable Power

NHP1500WCU-T3 (C18)

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

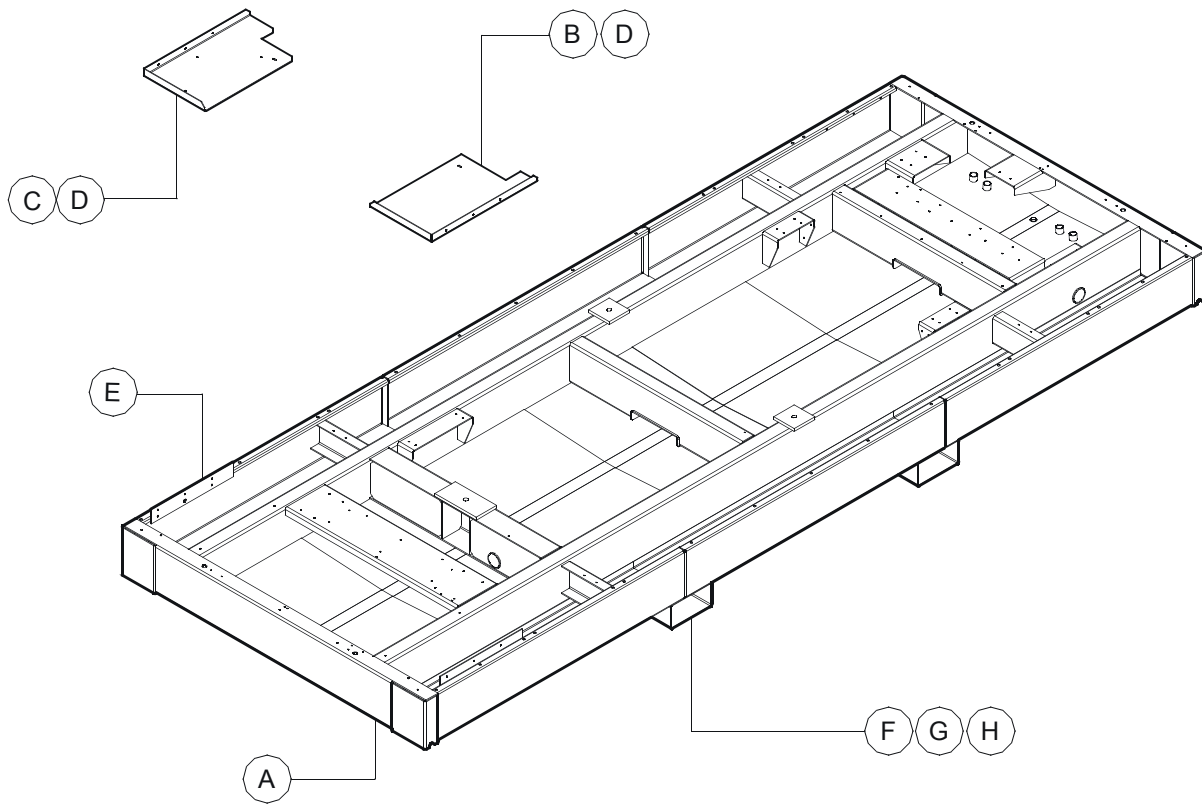
Always specify the model and serial number of the unit.

Specify the part number and description.



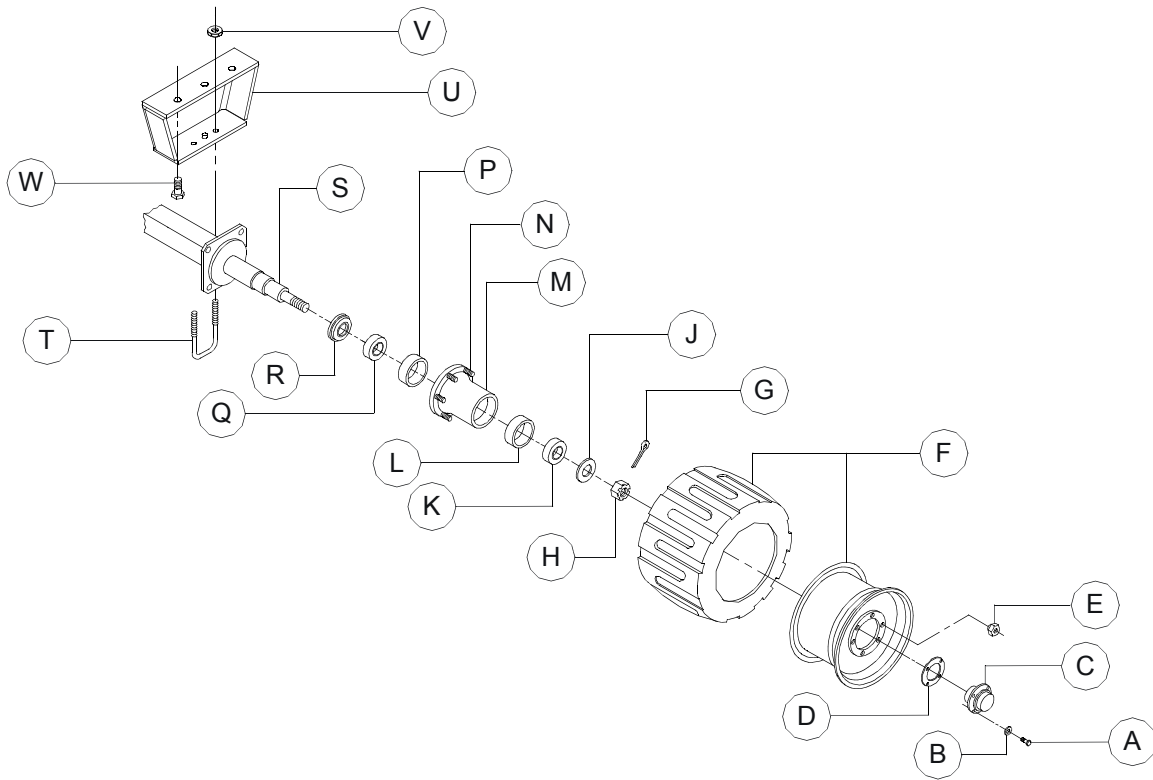
Section B - Frame Assembly

Frame Assembly



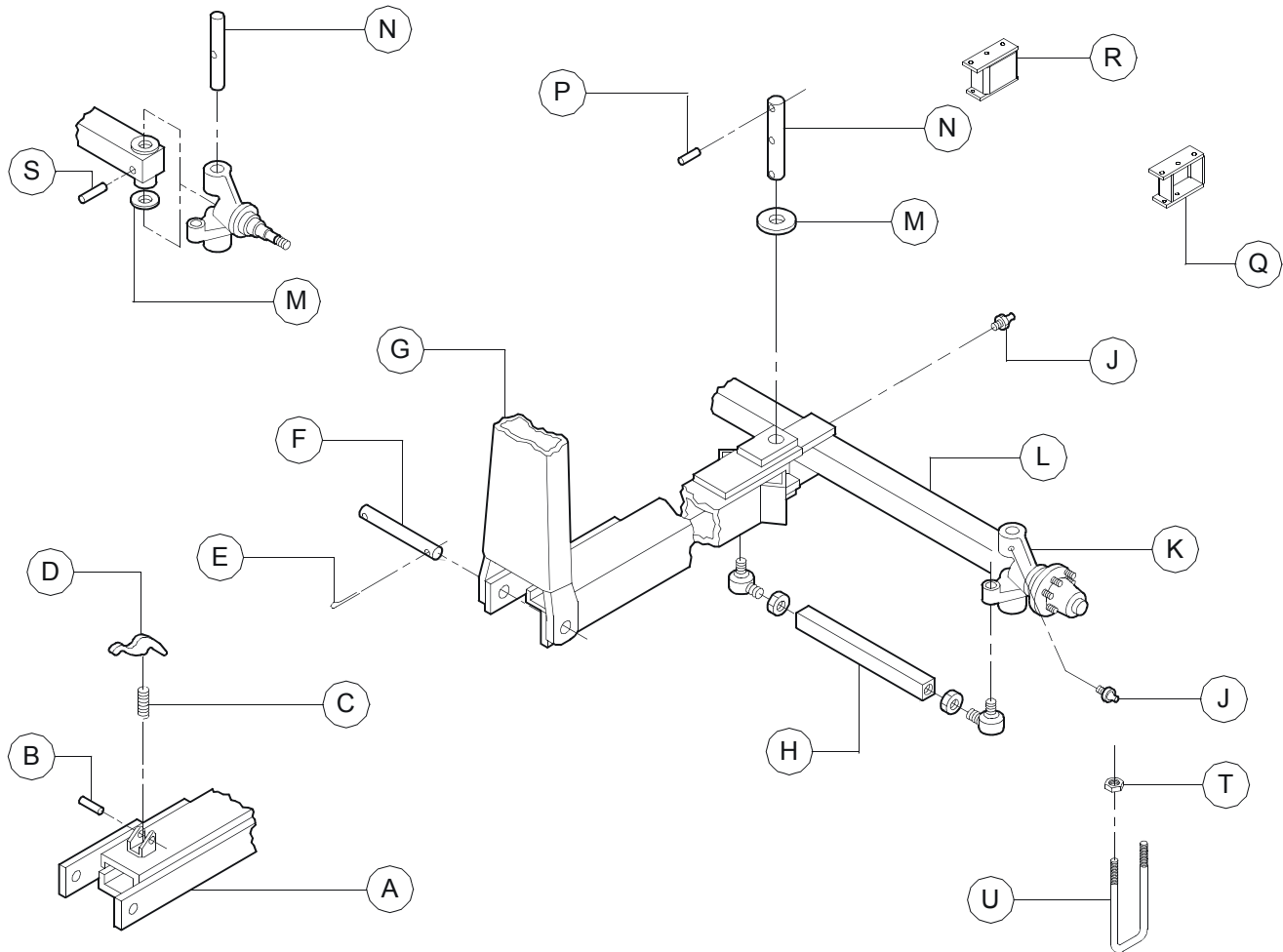
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36922185	Frame Assembly	1	
B	54631684	Plate, R.H. Cover	1	
C	54631676	Plate, L.H. Cover	1	
D	35279025	Screw	*	
E	54631668	Support, Plate	2	
F	54500798	Tube, Forklift	2	
G	36763670	Screw	8	
H	54676796	Washer	8	

Running Gear Assembly



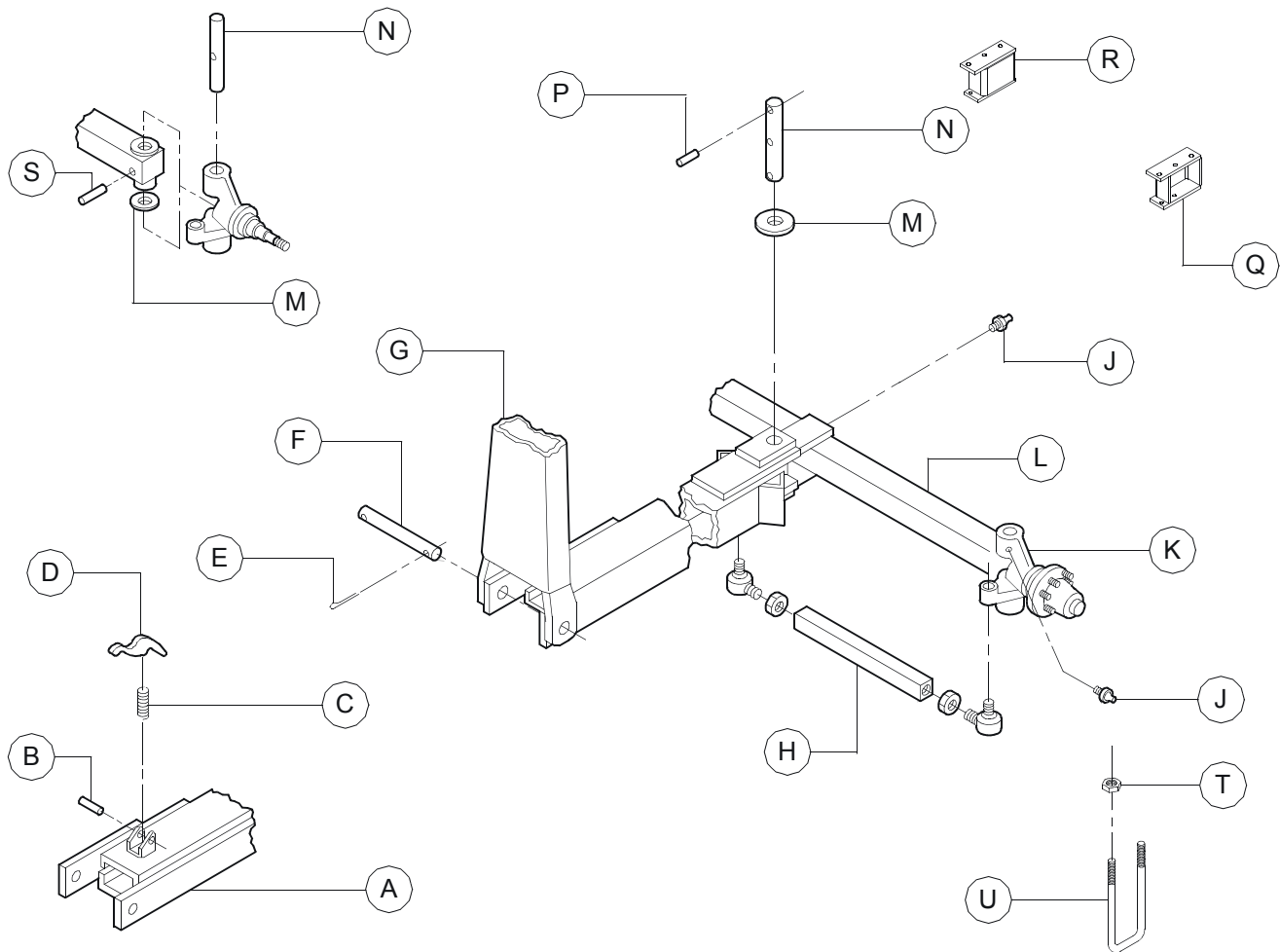
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54677240	Screw	24	
B	54677257	Washer	24	
C	54677224	Cap, Grease	6	
D	54677232	Gasket	6	
E	54676705	Nut	36	
F	54676689	Wheel and Tire Assembly	6	
G	35281229	Pin, Cotter	6	
H	35360098	Nut, Spindle	6	
J	35360080	Washer, Spindle	6	
K	54677182	Cone, Outer Bearing	6	
L	54677190	Cup, Outer Bearing	6	
M	54676853	Front Hub Assembly	2	
	54676879	Rear Hub Assembly	4	
N	54677265	Stud, Wheel	36	
P	54677208	Cup, Inner Bearing	6	
Q	54677174	Cone, Inner Bearing	6	
R	54677216	Seal	6	
S	54676648	Rear Axle Assembly	2	
T	54676747	U-Bolt	8	
U	54385752	Support, Rear Axle	4	
V	54676762	Nut	16	
W	36763670	Screw	12	

Running Gear Assembly



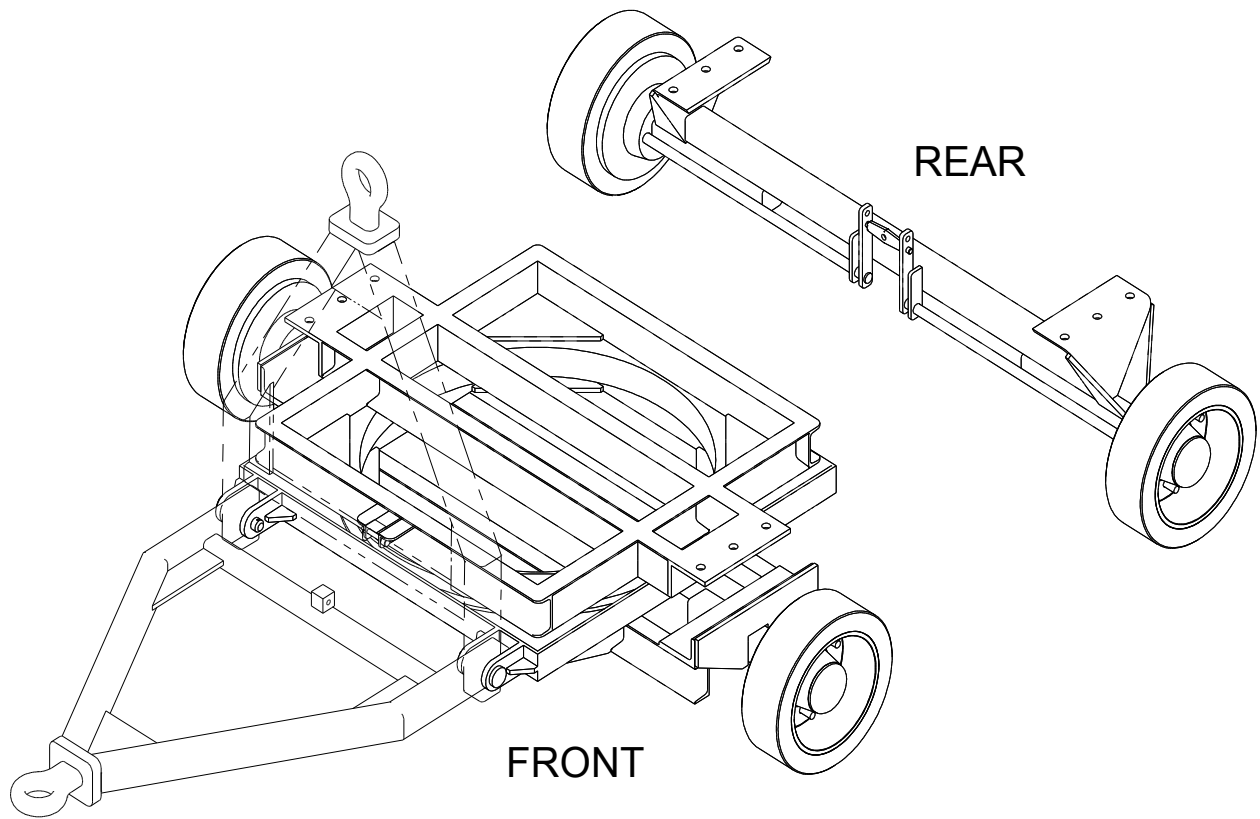
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54676804	Center Arm Assembly	1	
B	35281666	Pin, Roll	1	
C	35281674	Spring	1	
D	54676812	Latch, Pedal	1	
E			*	
F			*	
G	54676663	Drawbar Assembly	1	
H	54676796	Tie Rod Assembly	2	
J	35281773	Fitting, Lube	6	
K	54676838	Knuckle Assembly, R.H.	1	
	54676820	Knuckle Assembly, L.H.	1	
L	54676622	Front Axle Assembly	1	
M	54676903	Washer	4	
N	54677166	Pin, King	3	
				Continued.....

Running Gear Assembly

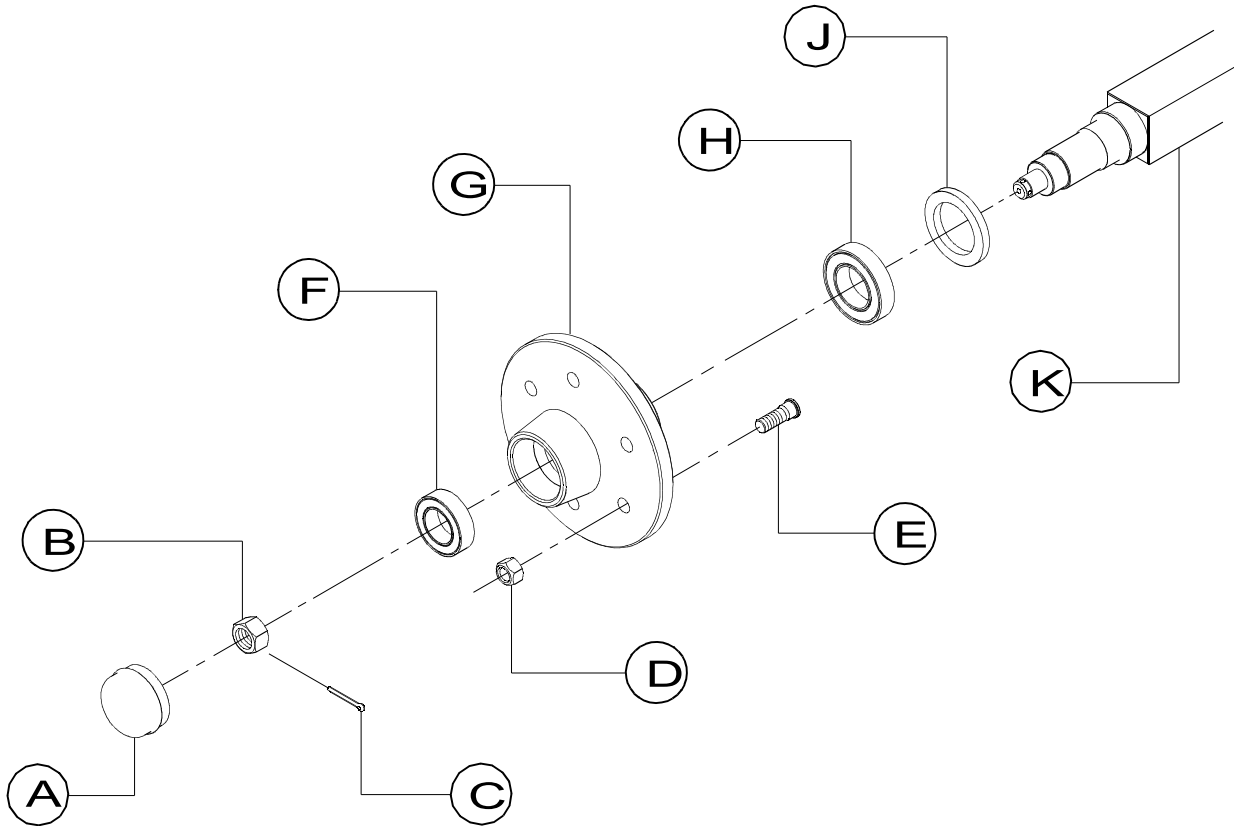


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	54676945	Pin, Spring	1	Continued
Q	54424114	Support, L.H.	1	
R	54424569	Support, R.H.	1	
S	54676929	Pin, Roll	2	
	35603661	Bracket, Wheel Chock	2	
	35333830	Straps, Wheel Chock	2	
	35603190	Chock, Wheel	2	
T	54676762	Nut	12	
U	54676747	U-Bolt	2	

Steerman Running Gear Assembly

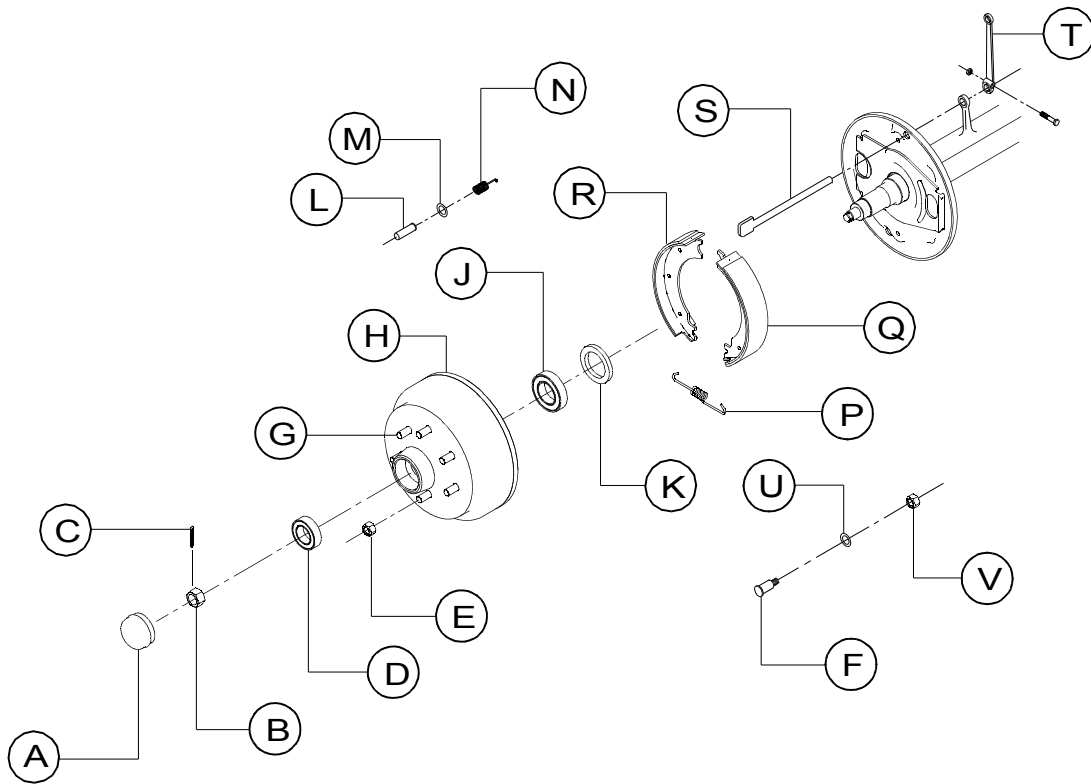


Steerman Running Gear Assembly



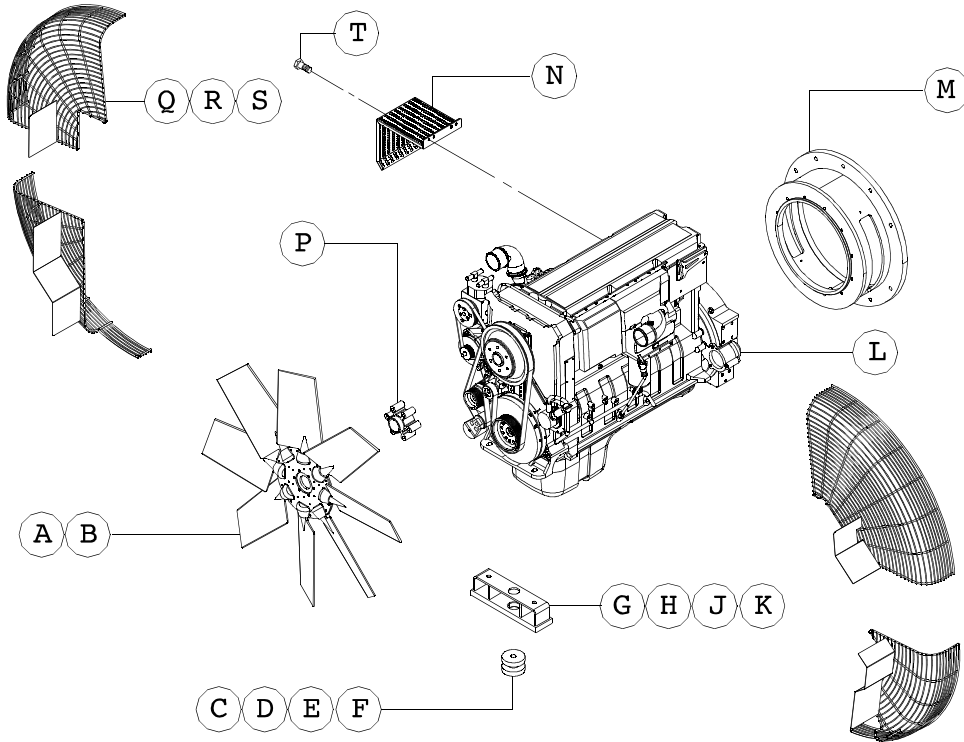
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Front Axle Parts List				
A	23021140	Cap, Hub	2	
B	23021157	Nut, Hub	2	
C	23021132	Pin, Cotter	2	
D	23021124	Nut, Wheel	12	
E	23021108	Stud	12	
F	23021165	Bearing, Outer Taper Roller	2	
G	23021116	Hub	2	
H	23021090	Bearing, Inner Roller	2	
J	23021082	Seal, Grease	2	
K	23021074	Axle	1	
	23021181	Wheel and Tire Assembly	2	

Steerman Running Gear Assembly



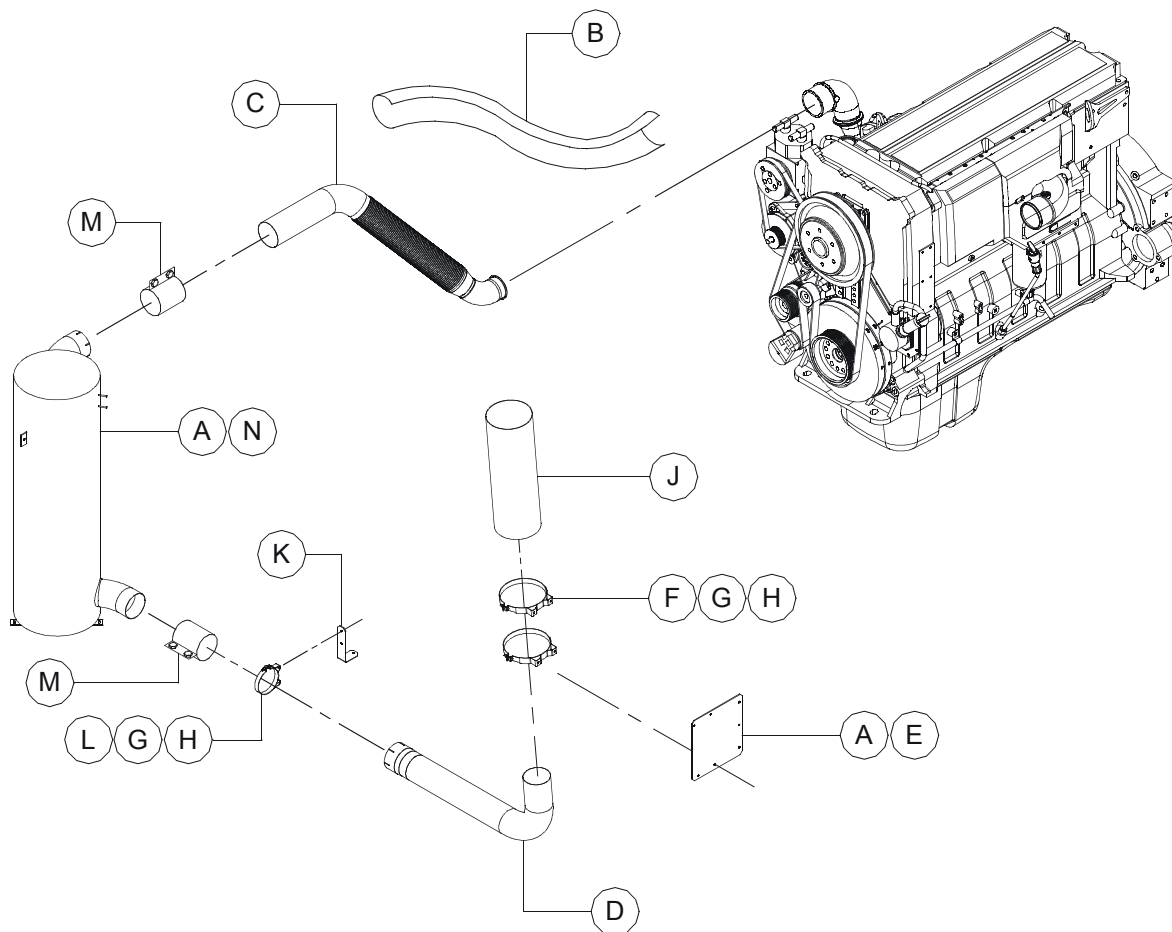
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Rear Axle Parts List				
A	23021140	Cap, Hub	2	
B	23021157	Nut, Hub	2	
C	23021132	Pin, cotter	2	
D	23021272	Bearing, Outer Taper Roller	2	
E	23021124	Nut, Wheel	12	
F	23021306	Pin, Pivot	2	
G	23021108	Stud, Wheel	12	
H	23021280	Hub, Brake Drum	2	
J	23021264	Bearing, Inner Taper Roller	2	
K	23021298	Seal, Grease	2	
L	23021256	Pin, Brake Shoe Centering	4	
M	23021249	Disc, Retaining	4	
N	23021231	Spring	4	
P	23021314	Spring, Brake Shoe Return	2	
Q	23021215	Shoe, Right Brake	2	
R	23021223	Shoe, Left Brake	2	
S	23021207	Shaft, Cam	2	
T	23021199	Lever, Brake	1	
U	23021322	Washer, Spring	2	
V	23021330	Nut, Pivot Pin	2	
	23021348	Cable, Hand Brake	1	
	23021355	Lever, Hand Brake	1	

Engine Assembly

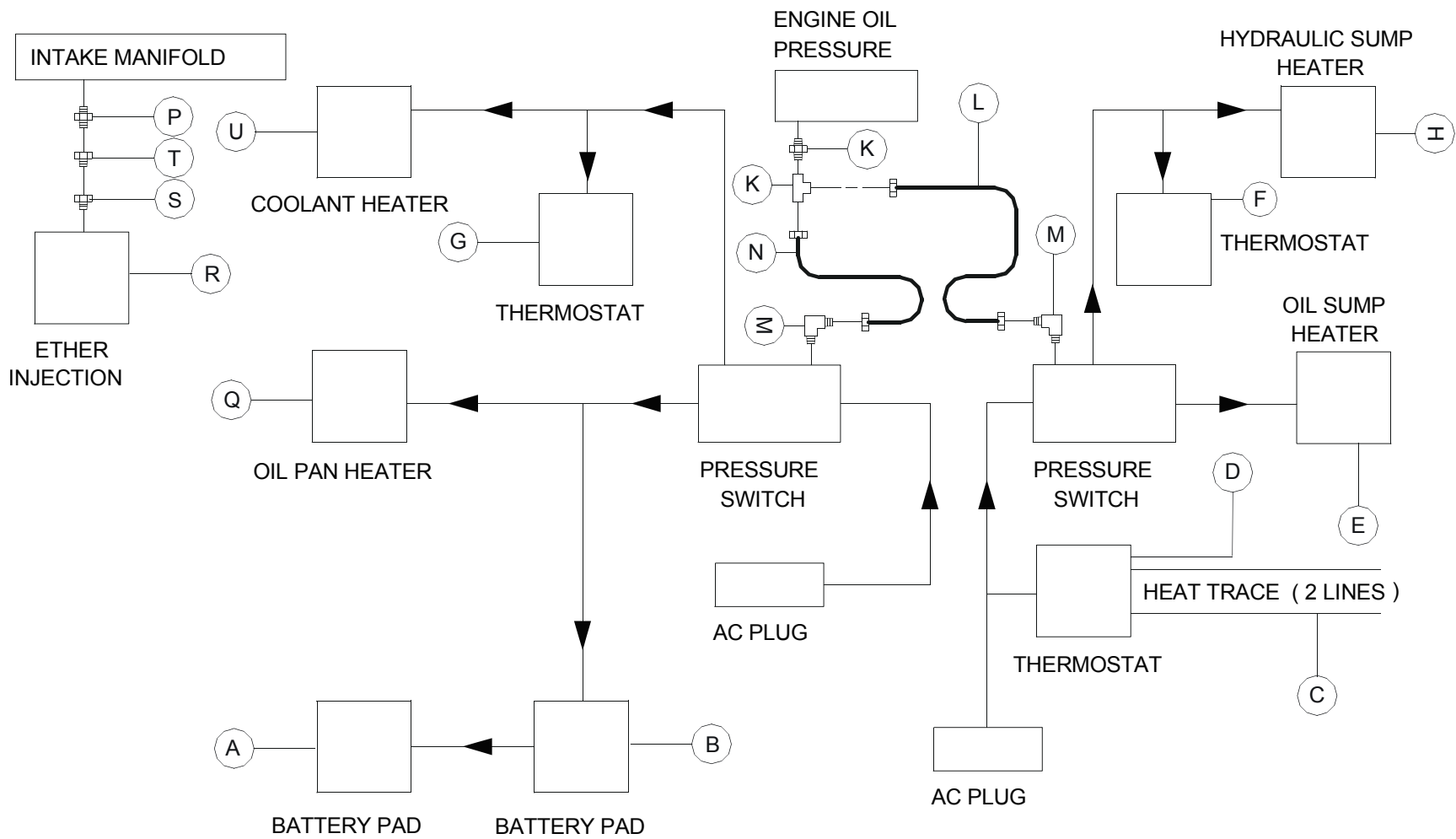


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36884047	Fan, 54 inch	1	
B	95104303	Screw	6	
C	36921302	Mount, Rubber	1	
D	54610621	Washer	1	
E	54720768	Screw	1	
F	51206787	Nut	1	
G	36921492	Mount, Engine	1	
H	36763670	Screw	2	
J	95935011	Washer	2	
K	35297340	Nut	2	
L	22648430	Engine	1	
M	54592951	Adapter, Air End	1	
N	54687322	Guard, Turbo	1	
P	54409339	Spacer, Fan	1	
Q	22244206	Guard, Fan	1	
R	35279025	Screw	8	
S	36898096	Screw	2	
T	36879492	Screw	2	
	54604343	Pump, Hydraulic	1	
	54662028	Filter, Engine Oil	1	
	54662036	Filter, Engine Fuel	1	
	54662051	Filter, Engine Coolant	1	
	22928873	Belt, Engine Fan	1	
	22065916	Belt, Alternator	1	

Exhaust Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279025	Screw	8	
B	54662010	Insulation, Exhaust	1	
C	22883920	Pipe, Flex Turbo	1	
D	54648209	Pipe, Exhaust	1	
E	54656624	Plate, Support	1	
F	36787026	Clamp, Band	2	
G	36889608	Screw	4	
H	36881886	Nut	4	
J	36787034	Tube, Exhaust	1	
K	54656632	Bracket, Support	1	
L	35303361	Clamp, Band	1	
M	36799807	Clamp, Seal	2	
N	54615752	Muffler	1	

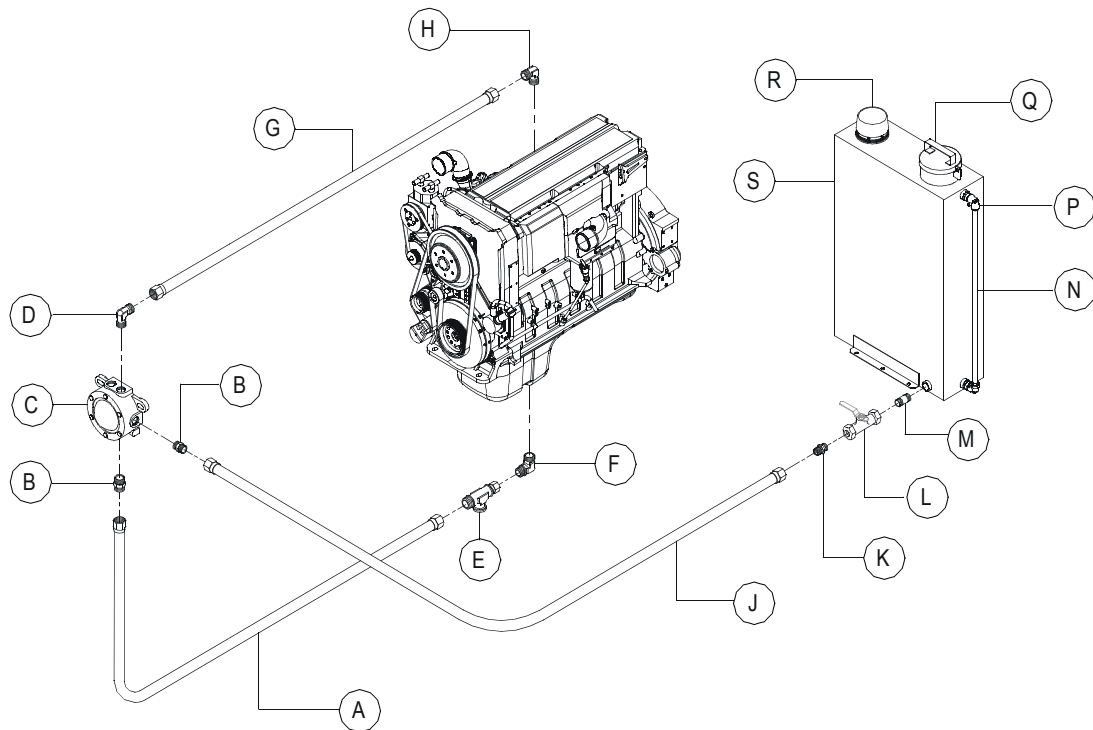


Cold Start

Cold Start

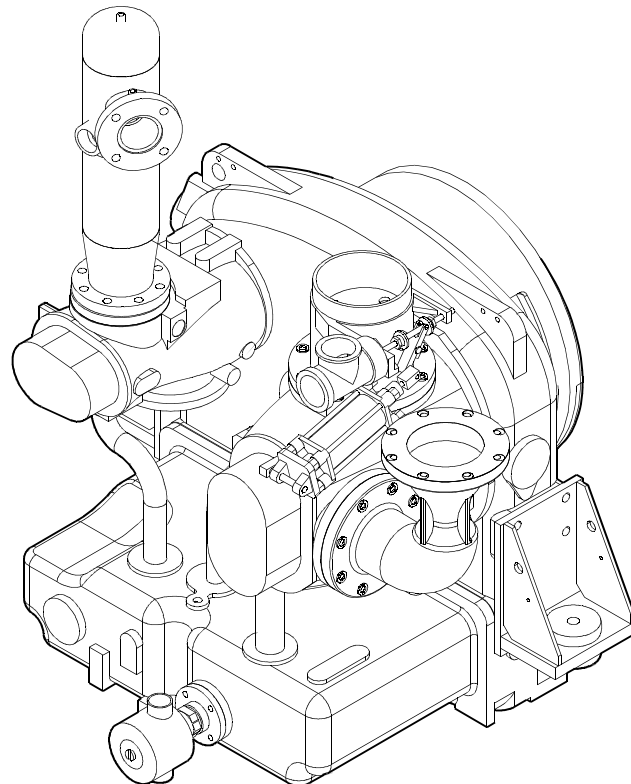
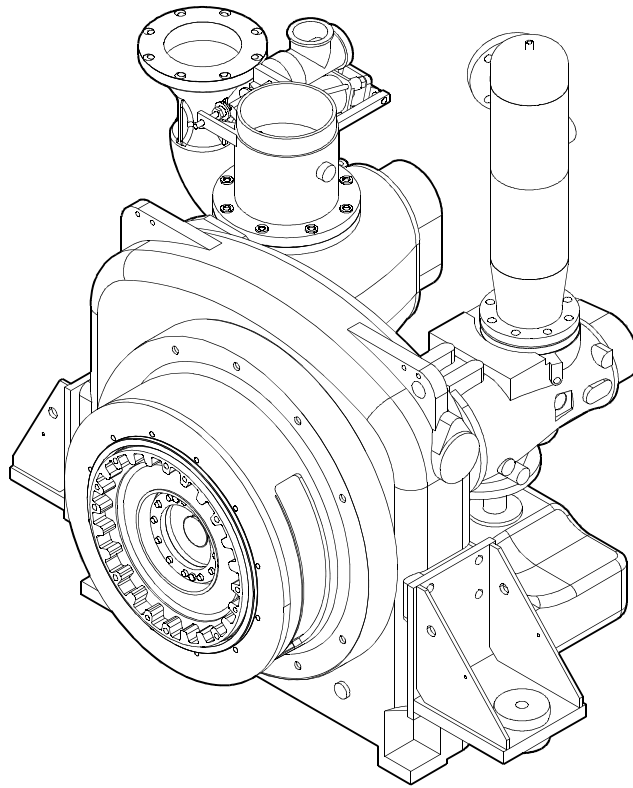
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36920346	Heater, Battery Pad (1 Lead)		
B	36920338	Heater, Battery Pad (2 Leads)		
C	22079693	Harness, Heat Trace Thermostat		
D	22079701	Heat Trace Assembly		
E	54671607	Heater, Air End Oil Sump		
F	36858751	Well, Hydraulic Thermostat		
G	54480298	Well, Engine Thermostat		
H	54464631	Heater, Hydraulic Reservoir		
J	95419073	Tee		
K	54720719	Adapter		
L	35284520	Hose Assembly		
M	35283464	Elbow		
N	54718929	Hose Assembly		
P	54720719	Adapter		
Q	54464623	Heater, Engine Oil Pan		
R	35357052	Ether Kit		
S	35602812	Atomizer, Ether		
T	95930301	Bushing		
U	54758404	Heater, Engine Coolant		
	54464664	Harness, Engine Heaters		
	54464672	Harness, Air End Heaters		
	54464607	Engine Cold Start Heater Assembly		
	54464615	Air End Cold Start Heater Assembly		

Replenishment Oil Tank Piping

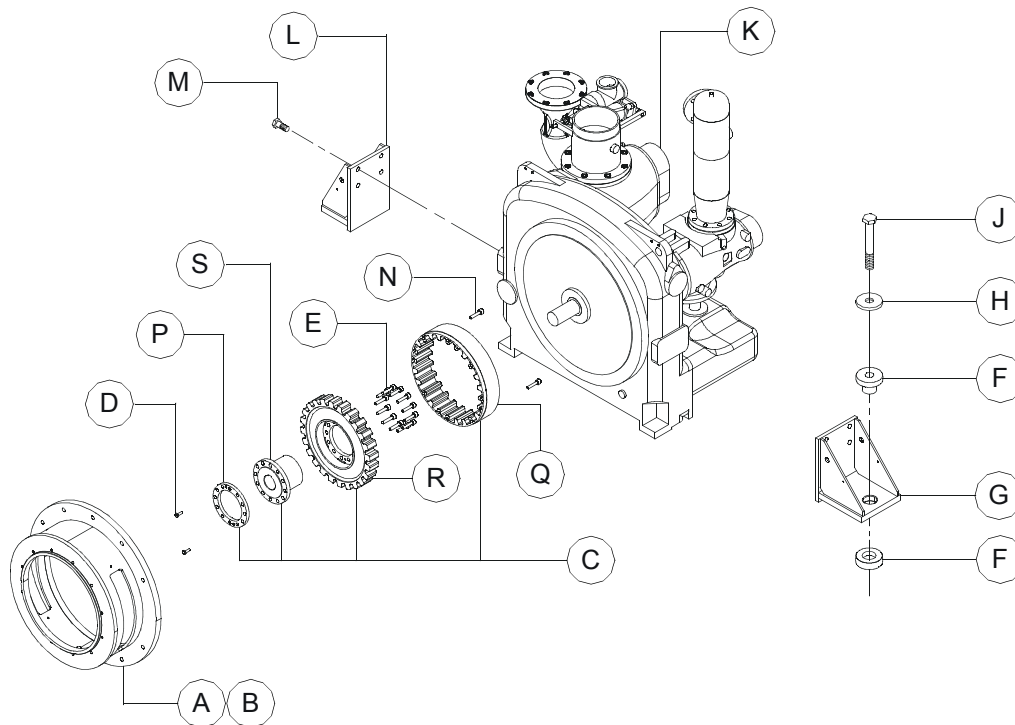


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35289503	Hose Assembly	1	
B	35286426	Connector	1	
C	22053235	Sensor, Murphy	1	
D	35309210	Elbow	1	
E	95951646	Tee	1	
F	22063937	Elbow	1	
G	35252782	Hose Assembly	1	
H	22063945	Elbow	1	
J	35310234	Hose Assembly	1	
K	35286426	Connector	1	
L	35581792	Valve, Ball	1	
M	95934279	Nipple	1	
N	22050926	Tube	1	
P	54627799	Elbow	2	
Q	36845014	Cap, Filler	1	
R	43205384	Cap, Filler	1	
S	22424279	Tank, Oil	1	

Air End Assembly

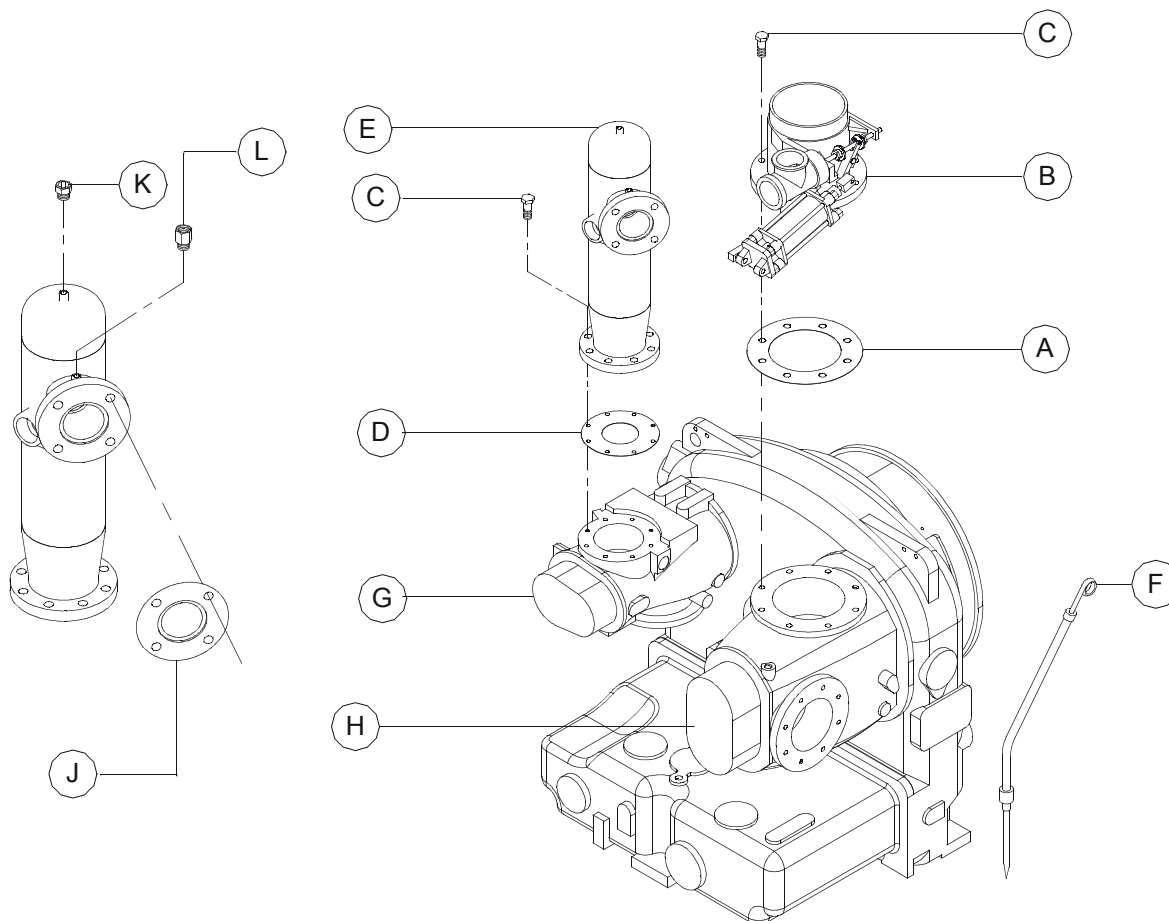


Air End Coupling and Mounting



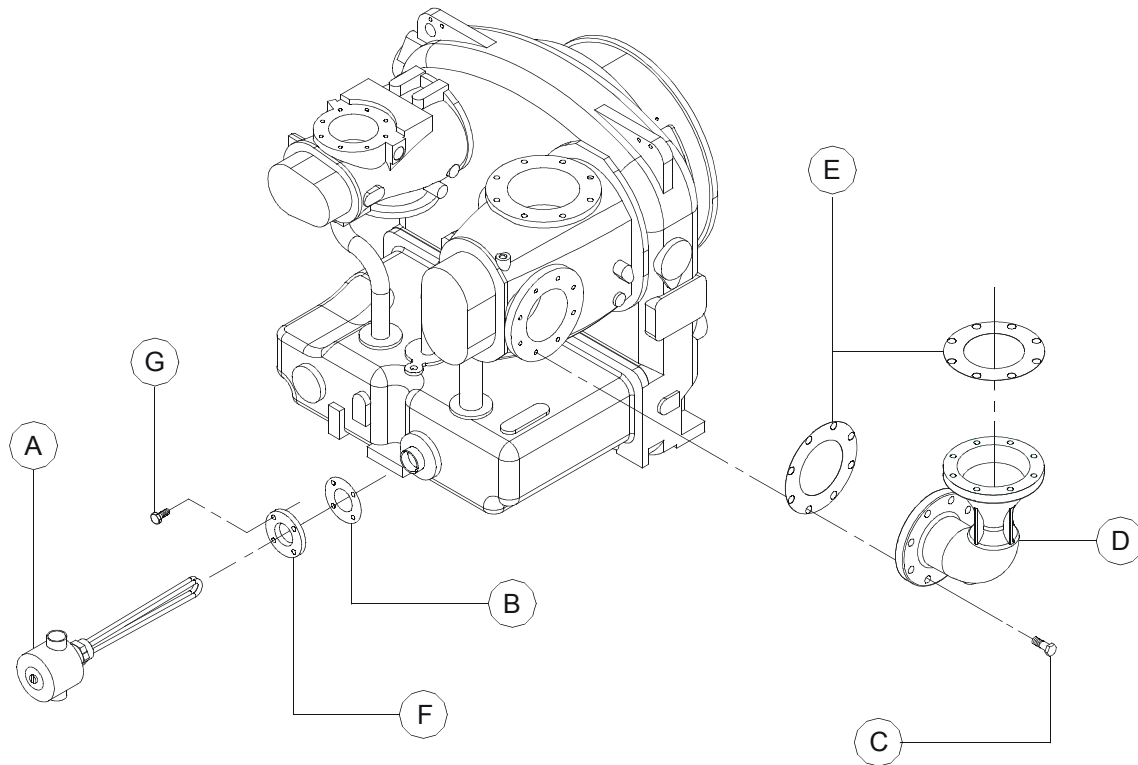
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54592951	Adapter, Air End	1	
B	39179072	Screw	10	
C	54740691	Air End Coupling Assembly	1	
D	35271154	Screw	2	
E	96725130	Screw	12	
F	36921302	Mount, Rubber	2	
G	36921351	Mount, L.H. Air End	1	
H	54610621	Washer	2	
J	54720768	Bolt	2	
K	54434147	Air End Assembly	1	
	39330741	Low Pressure Air End Assembly	1	
	39330758	High Pressure Air End Assembly	1	
L	36923886	Mount, R.H. Air End	1	
M	35375377	Screw	8	
N	95104303	Bolt	8	
P	54758305	Spacer, Coupling	1	
Q	54758297	Ring, Outer	1	
R	54758263	Ring, Inner	1	
S	54758271	Bushing, Split	1	
	54690102	Adapter, Cover	2	
	35279025	Screw	4	
	39213442	Oil Pump Kit	1	
	54432612	Gear Set	1	

Air End Inlet Valve



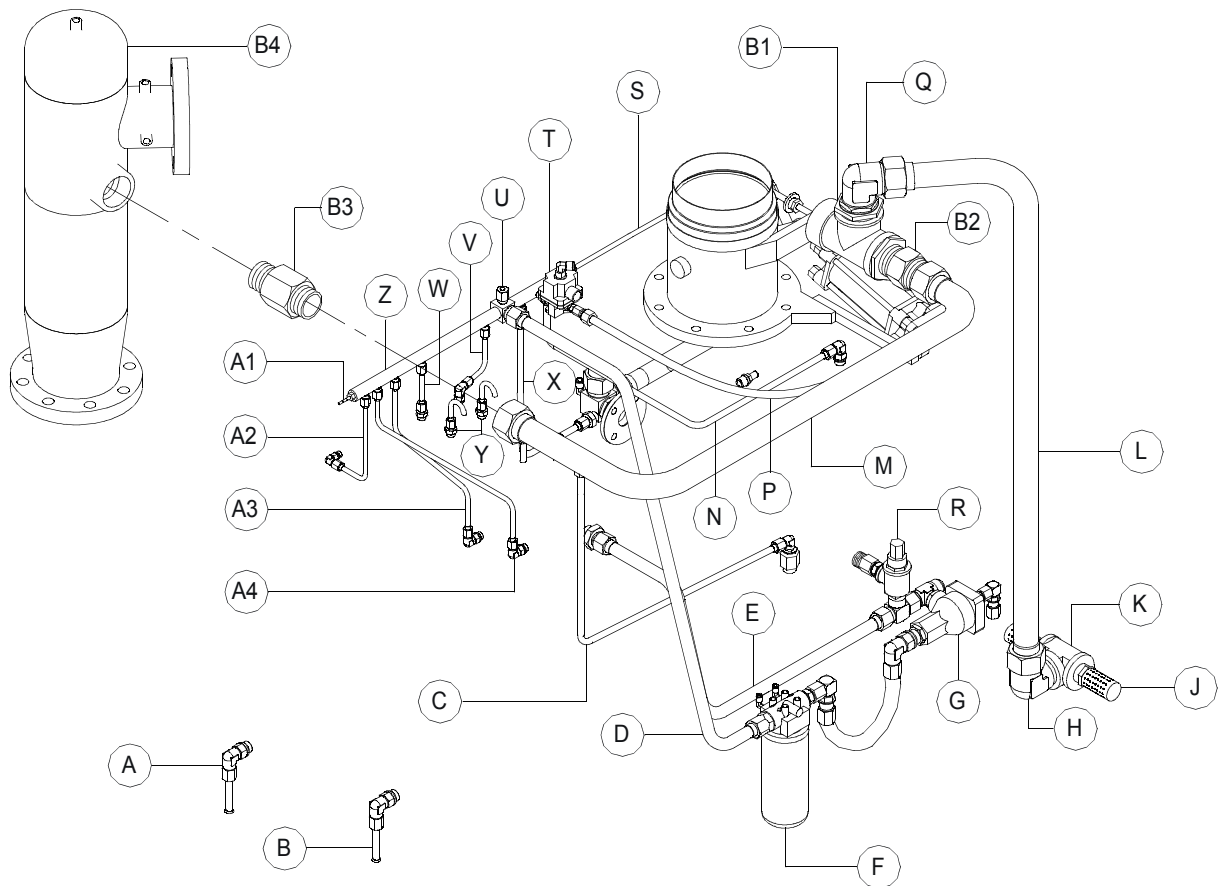
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	39330279	Gasket	1	
B	39911110	Valve, Air Inlet	1	
C	39179072	Screw	16	
D	39330303	Gasket	1	
E	22233258	Silencer, Second Stage	1	
F	54579057	Oil Dip Stick Assembly	1	
G	39330758	Air End, High Pressure	1	
H	39330741	Air End, Low Pressure	1	
	39213442	Kit, Oil Pump	1	
	54656657	Pump, Oil	1	
	54628151	Coupler, Oil Pump	1	
	39925425	Driver, Oil Pump	1	
	54432612	Set, Gear	1	
J	39330287	Gasket	1	
K	95252409	Plug	1	
L	95371829	Bushing, Reducing	1	

Air End - 1st Stage Inlet



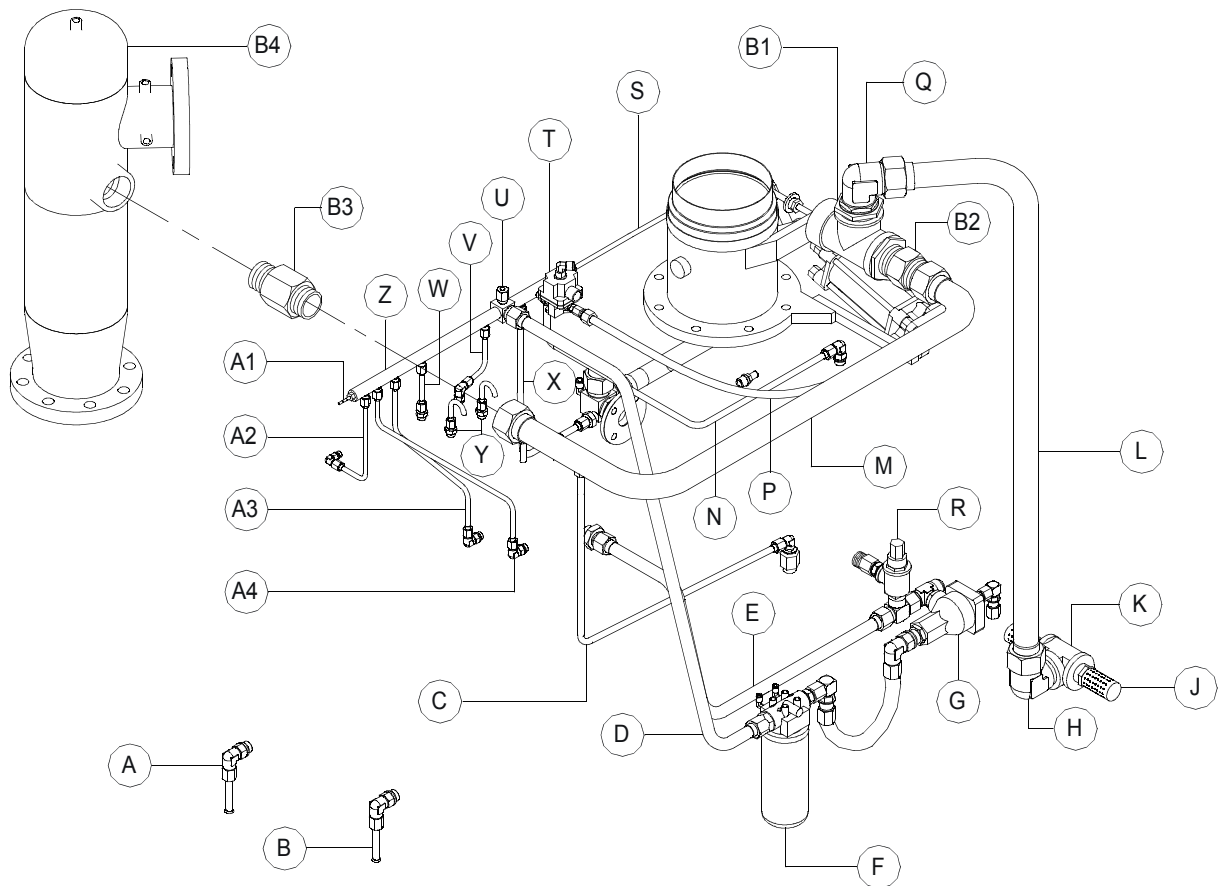
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54671607	Heater, Sump	1	120 Volt
	54678941	Heater, Sump	1	240 Volt
B	39497904	Gasket, Heater	1	
C	39179072	Screw	8	
D	39913124	Venturi, First Stage	1	
E	39464433	Gasket	1	
F	39497912	Plate	1	
G	36877793	Screw	4	

Air End Tubing and Fittings



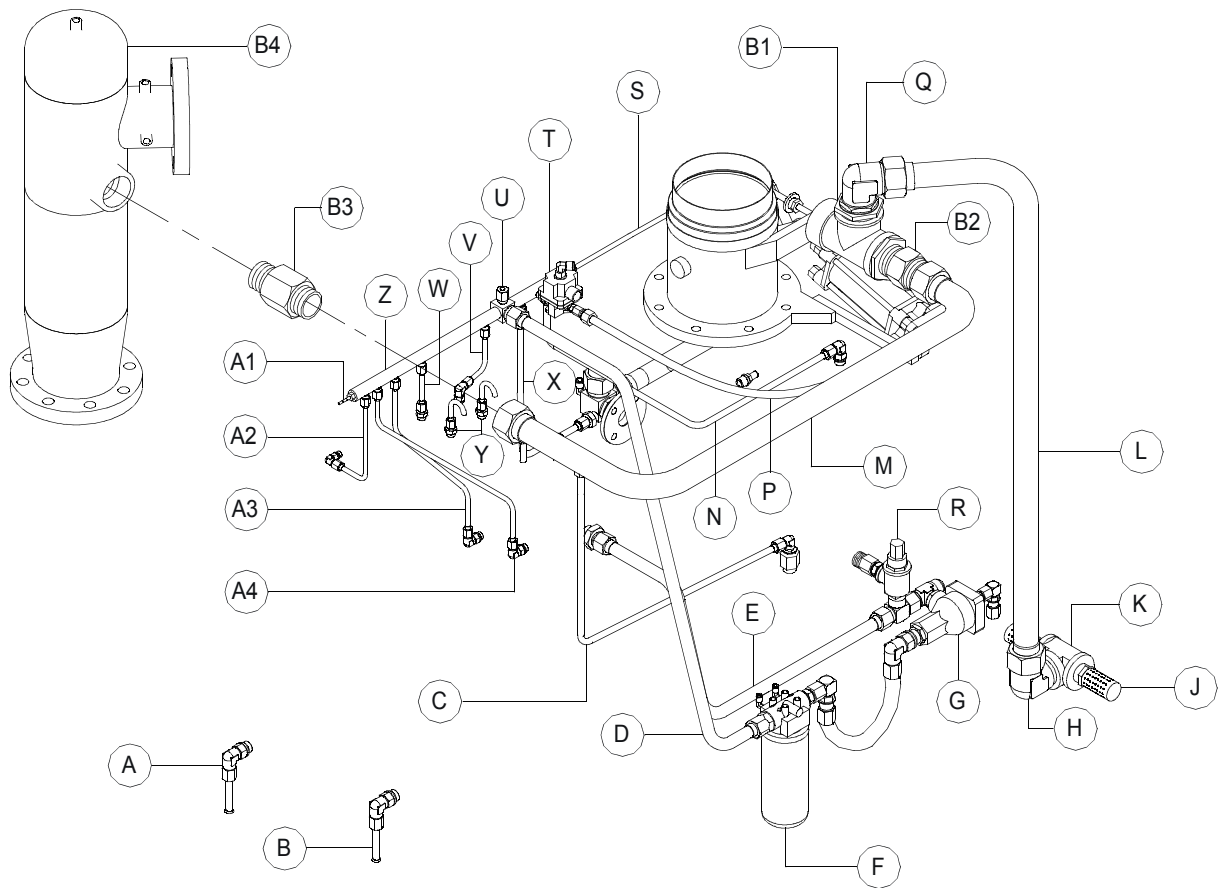
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	39172994	Elbow	7	
B	54606603	Tube	2	
C	39914270	Tube	1	
D	39914254	Tube	1	
E	22087118	Tube	1	
F	39911615	Element, Filter	1	
	39871165	Head, Filter	1	
G	39467634	Valve, Temperature	1	
H	95937678	Elbow	1	
J	39309547	Muffler	2	
K	95937678	Tee	1	
L	54519186	Tube	1	
M	22235204	Tube	1	
N	39914221	Tube	1	
P	35282987	Hose	1	
	35279926	Elbow (To Cylinder)	1	
Q	39140512	Elbow	3	
	39313598	Bushing	1	
R	39167119	Valve	1	
				Continued.....

Air End Tubing and Fittings



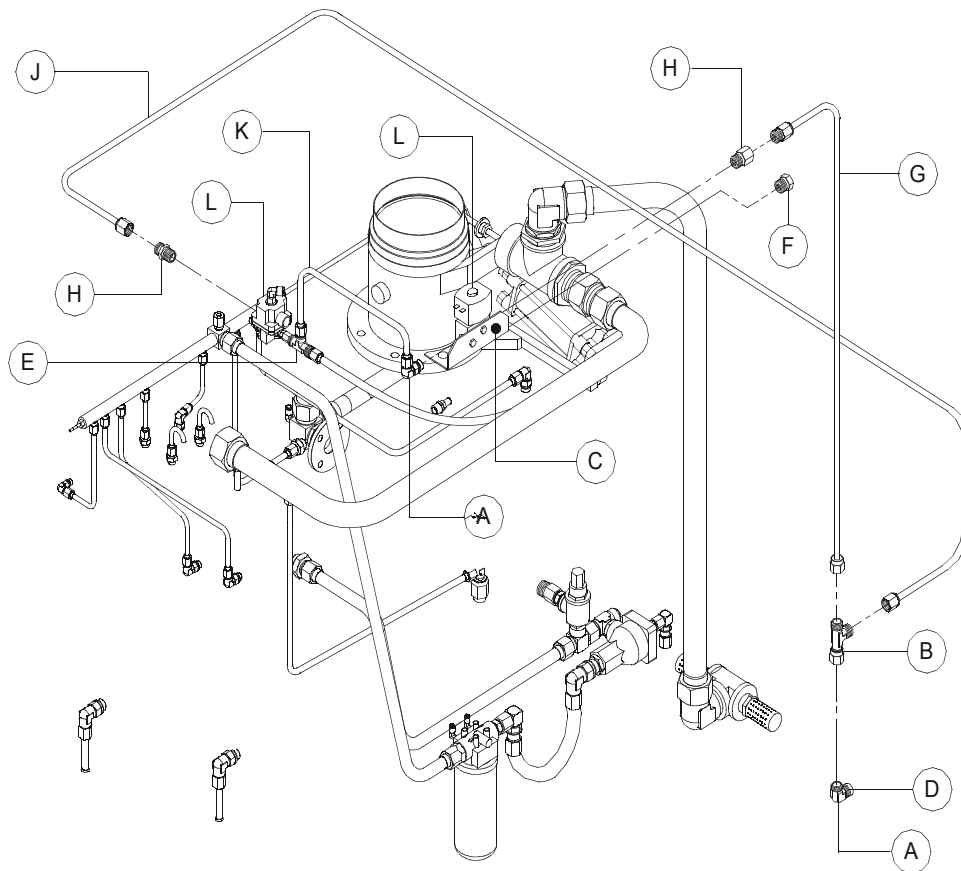
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	39914247	Tube	1	Continued
	39172952	Elbow	1	
T	54512611	Valve, Solenoid	1	
U	35313428	Cap	1	
V	39914189	Tube	1	
	39172994	Elbow	1	
W	39914171	Tube	1	
	39173042	Adapter	1	
X	39914239	Tube	1	
Y	39311923	Tube	2	
	39173042	Adapter	1	
Z	39913827	Manifold, Tube	1	
A1	54557087	Sensor	1	
A2	39914197	Tube	1	
A3	39914205	Tube	1	
A4	39914213	Tube	1	
A5	39172945	Connector	1	
A6	95937512	Connector	1	
A7	39172994	Elbow	2	
				Continued.....

Air End Tubing and Fittings



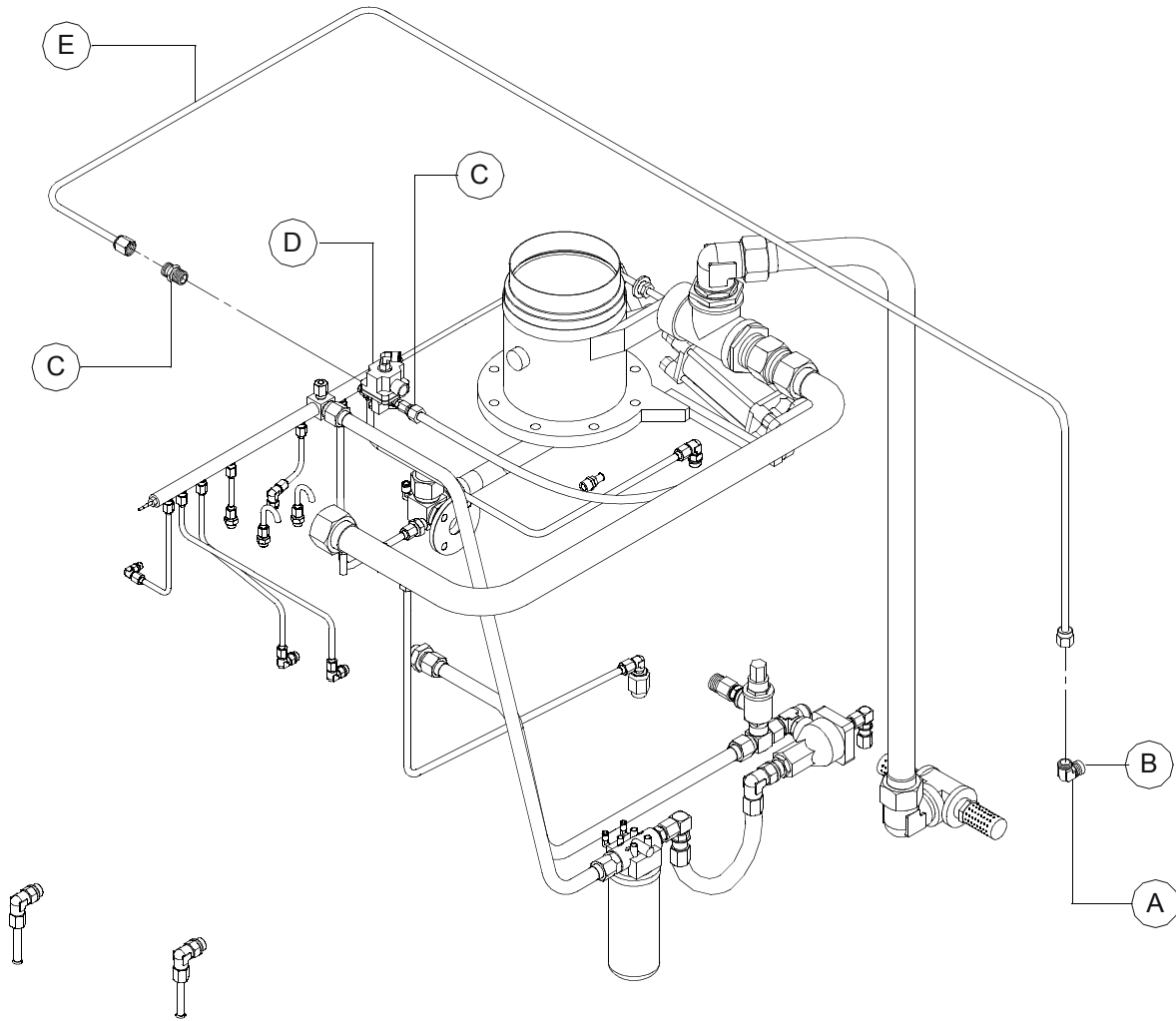
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A8	39172952	Elbow	1	Continued
A9	35284082	Adapter	2	
B1	39313598	Bushing	1	
	39310396	Elbow (Out of Stage 2)	1	
	39914270	Tube (Stage 2, Drain to Sump)	1	
	39485255	Elbow (Manifold Oil Dump)	1	
	39583927	Elbow (To Sump)	1	
	95953956	Bushing (Bushing to Bushing)	1	
	39175187	Bushing (To Sump)	1	
	35279926	Elbow (Elbow to Manifold)	1	
B2	95985578	Connector	1	
B3	95937561	Connector	1	
B4	22233258	Silencer, Second Stage	1	

Load Cylinder Piping (Optional Quick Response)



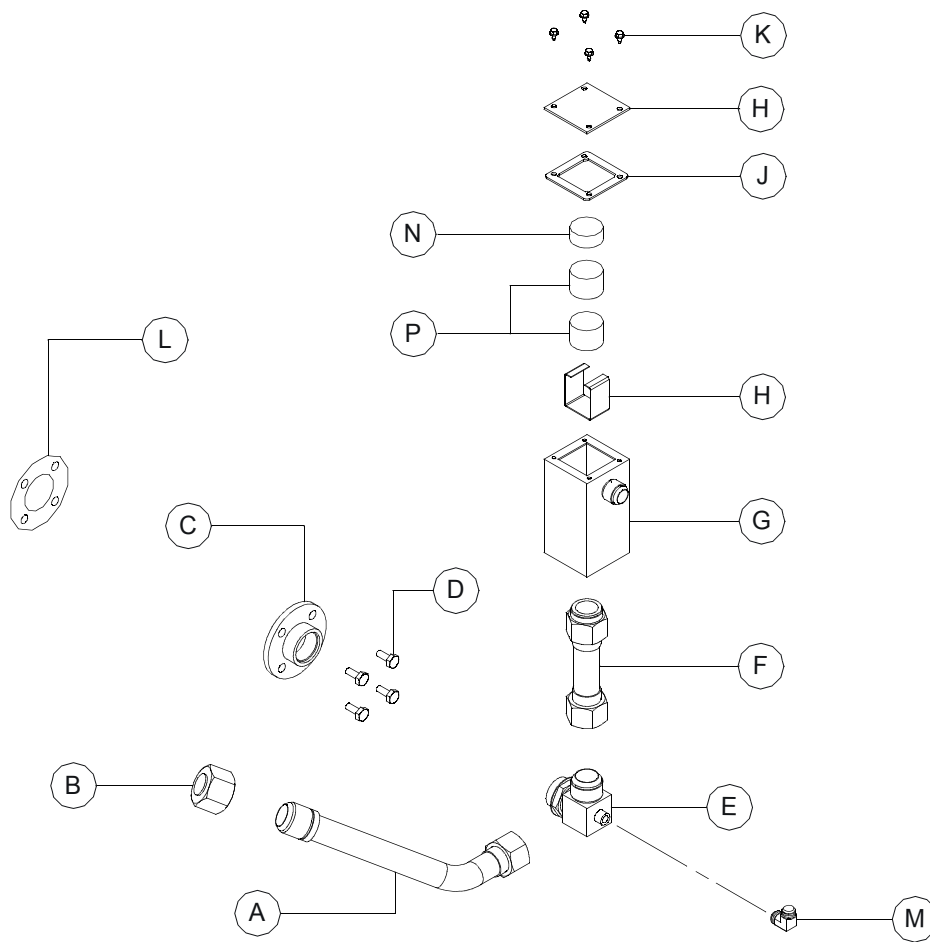
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279934	Elbow	1	
B	95415667	Tee	1	
C	22437016	Bracket, Solenoid Valve	1	
D	*	To Sump	*	
E	35283050	Tee	1	
F	95033593	Plug	1	
G	35310994	Tube	1	
H	35284082	Adapter	1	
J	54718432	Tube	1	
K	35282979	Tube	1	
L	54512611	Valve, Solenoid	1	

Load Cylinder Piping (Standard)



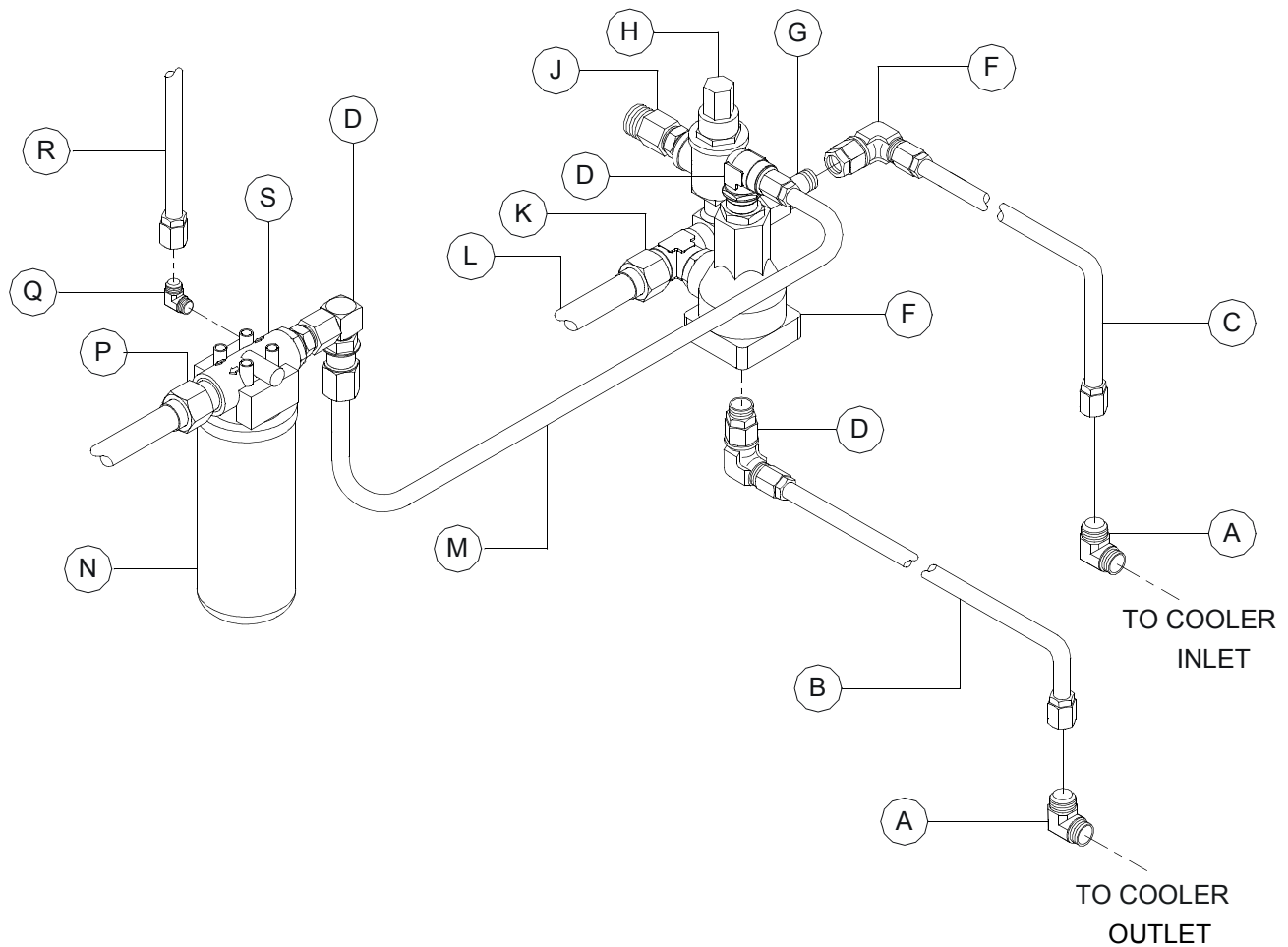
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279934	Elbow	1	
B	*	To Elbow in Sump	*	
C	35284082	Adapter	1	
D	54512611	Valve, Solenoid	1	
E	54718432	Hose Assembly	1	

Air End Breather Assembly



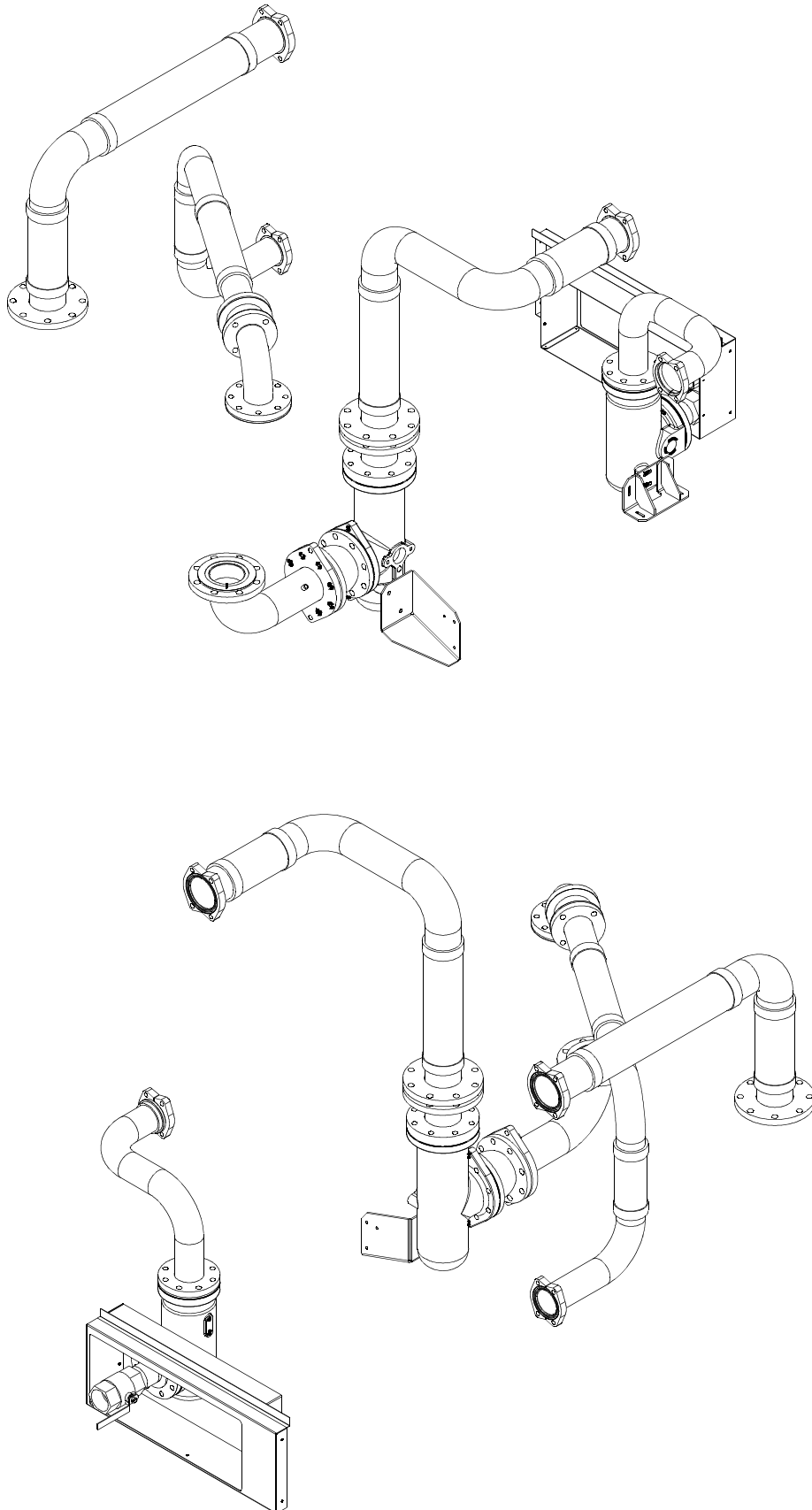
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	39917323	Tube Assembly	1	
B	95972873	Nut, Tube	1	
C	39497003	Flange, Mounting	1	
D	39173463	Screw	4	
E	39590542	Manifold	1	
F	39917315	Tube Assembly	1	
G	39560180	Box, Breather	1	
H	39489646	Cover Assembly	1	
J	39491741	Gasket	1	
K	39133145	Screw	4	
L	39464367	Gasket	1	
M	35279934	Elbow	1	
N	40068371	Element, Foam	1	
P	40068389	Element, Metallic	2	

Air End Tubings and Fittings

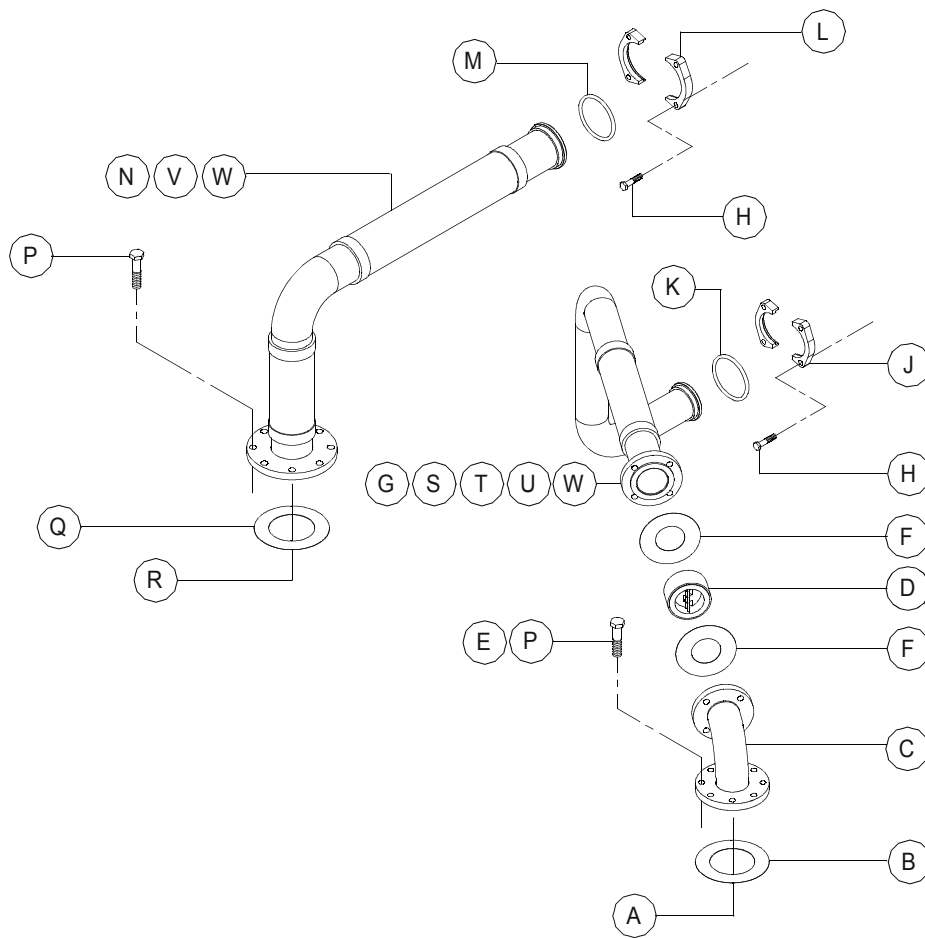


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95368890	Elbow	1	
B	54718739	Hose Assembly	1	
C	35118272	Hose Assembly	1	
D	35291384	Elbow	1	
E	39467634	Valve, Temperature	1	
F	35292051	Elbow	1	
G	39591565	Tee	1	
H	39167119	Valve, Pump Bypass	1	
J	95937512	Connector	1	
K	95947636	Tee	1	
L	22087118	Hose Assembly	1	
M	36792000	Hose Assembly	1	
N	39911615	Element	1	
P	95955993	Connector	1	
Q	35306687	Elbow	1	
R	35284520	Hose Assembly	2	
S	39871165	Head, Filter	1	

Air End Piping Assembly

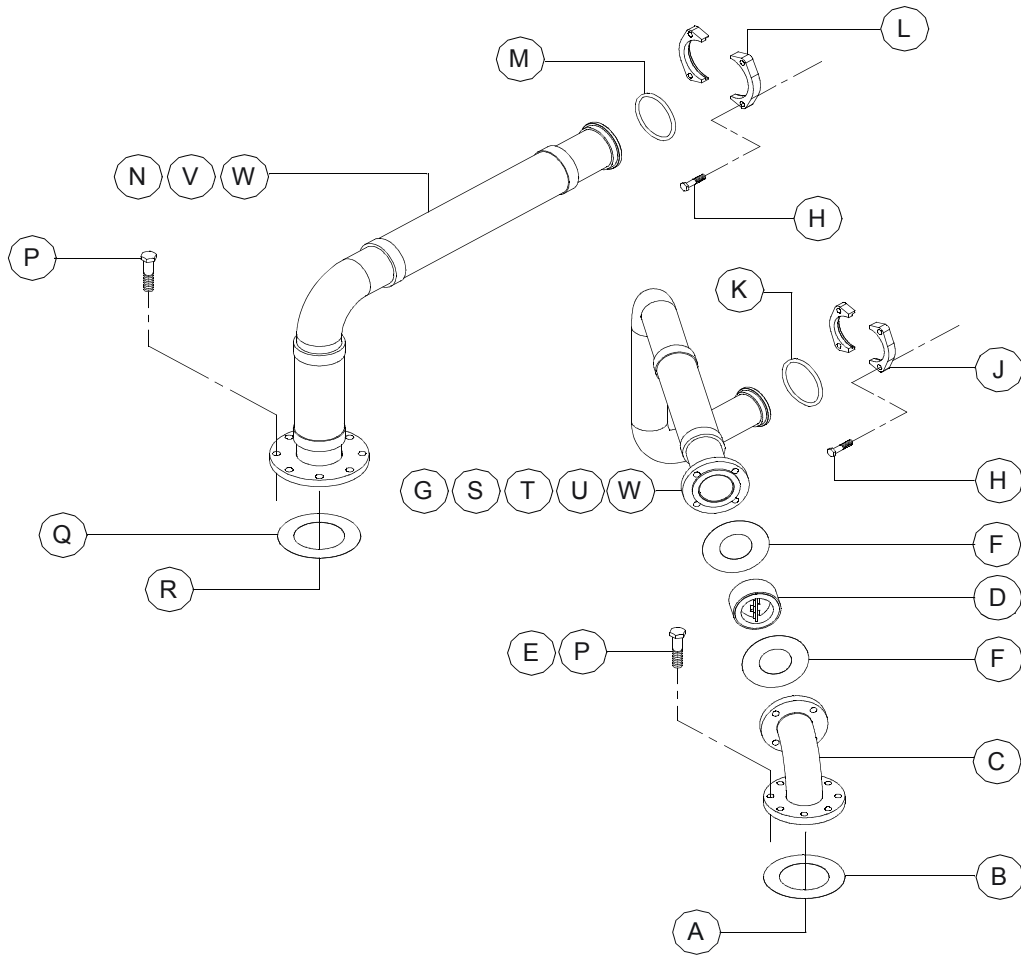


Air End Piping



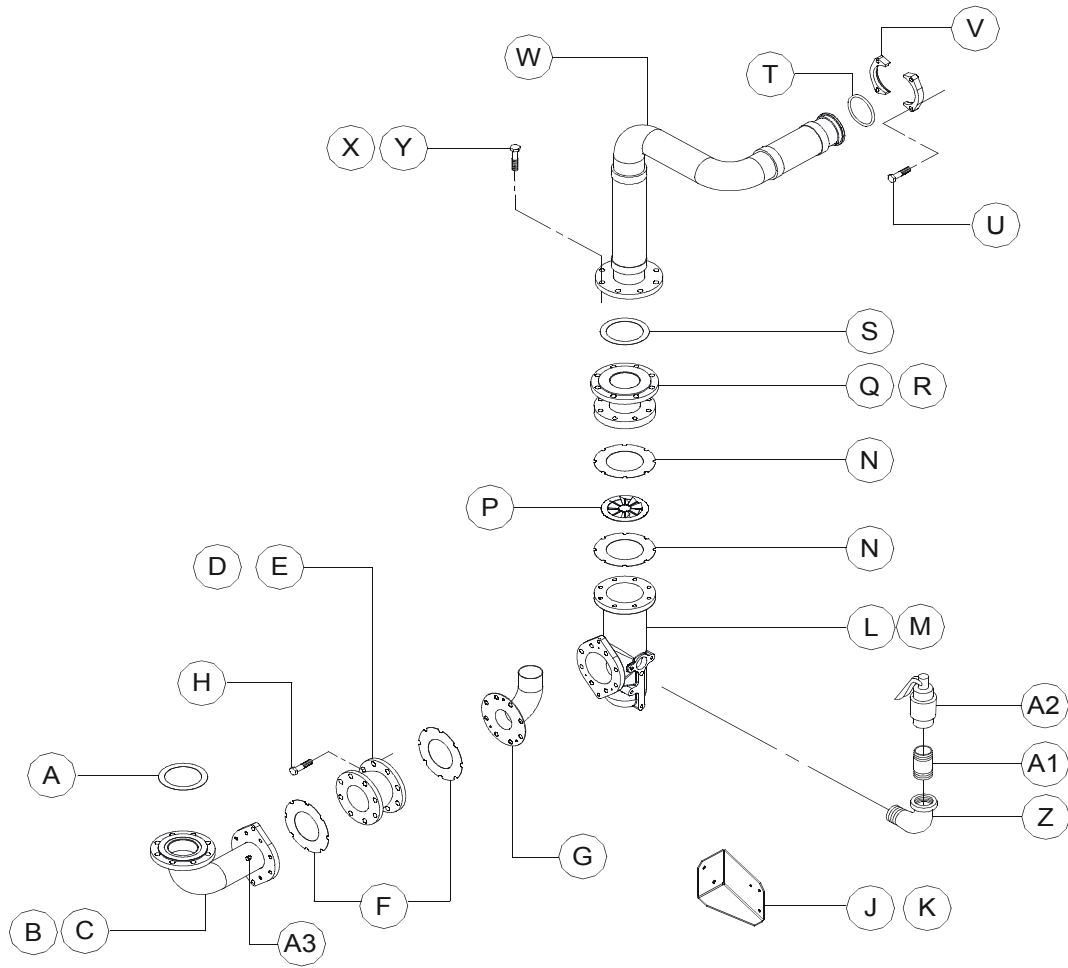
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A		To Top of Venturi on 2nd Stage Air End		
B	39330295	Gasket	1	
C	36922938	Tube, 2nd Stage Outlet	1	
D	22884423	Valve, Check	1	
E	95934170	Screw	7	
F	39330287	Gasket	1	
G	54620588	Tube, After cooler Inlet	1	
H	95060745	Screw	*	
J	39481593	Flange, Split	2	
K	39188479	O-Ring	1	
L	95985735	Flange, Split	2	
M	95060745	O-Ring	1	
N	54534847	Tube, Intercooler Inlet	1	
				Continued.....

Air End Piping



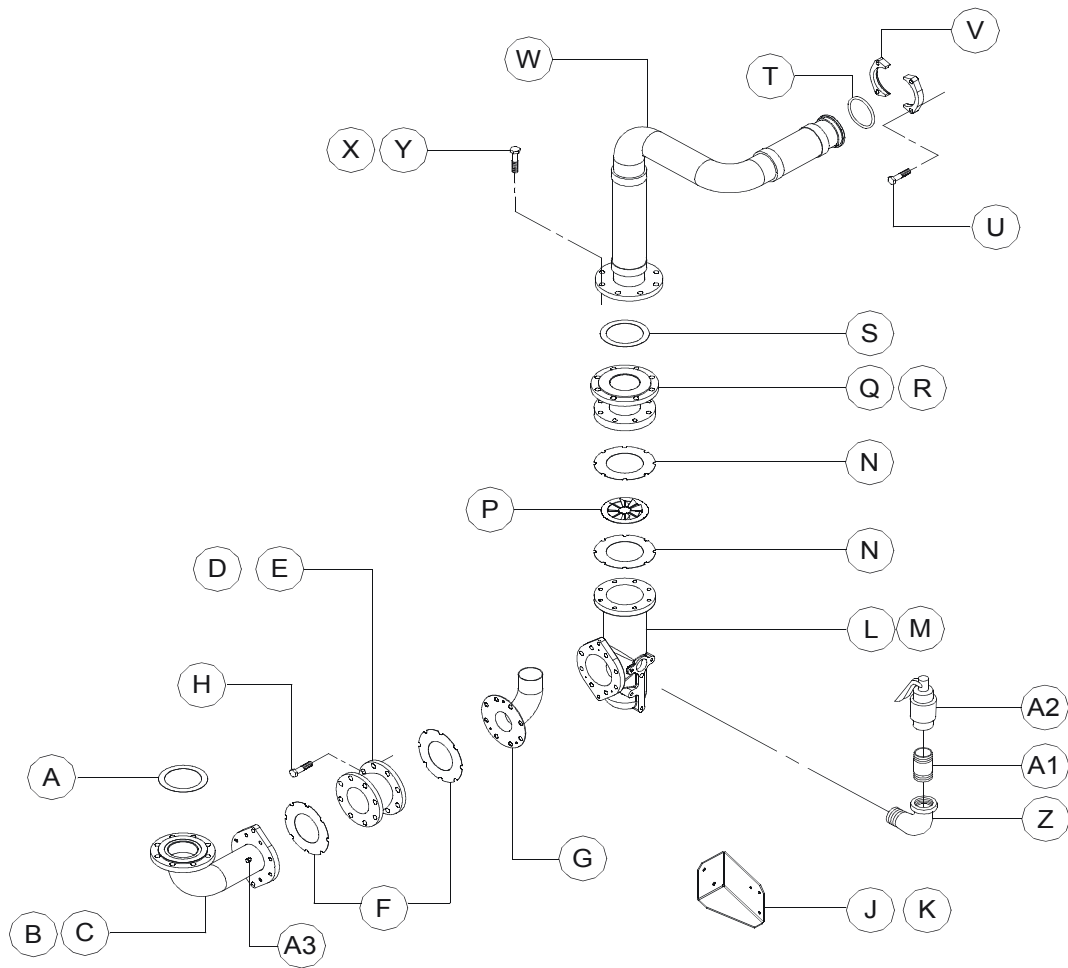
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	95035465	Screw	*	 Continued
Q	39330303	Gasket	1	
R	*	To 2nd Stage Air End Inlet	*	
S	96721659	Screw	4	
T	36879211	Nut	4	
U	54719752	Insulation, 2nd Stage	1	
V	54719745	Insulation, Intercooler In	1	
W	54721105	Wire, Stainless Steel	1	
	54719737	Insulation, Venturi	1	
	54719729	Insulation, 1st Stage	1	
	54662010	Insulation, Exhaust Pipe	1	

Air End Piping



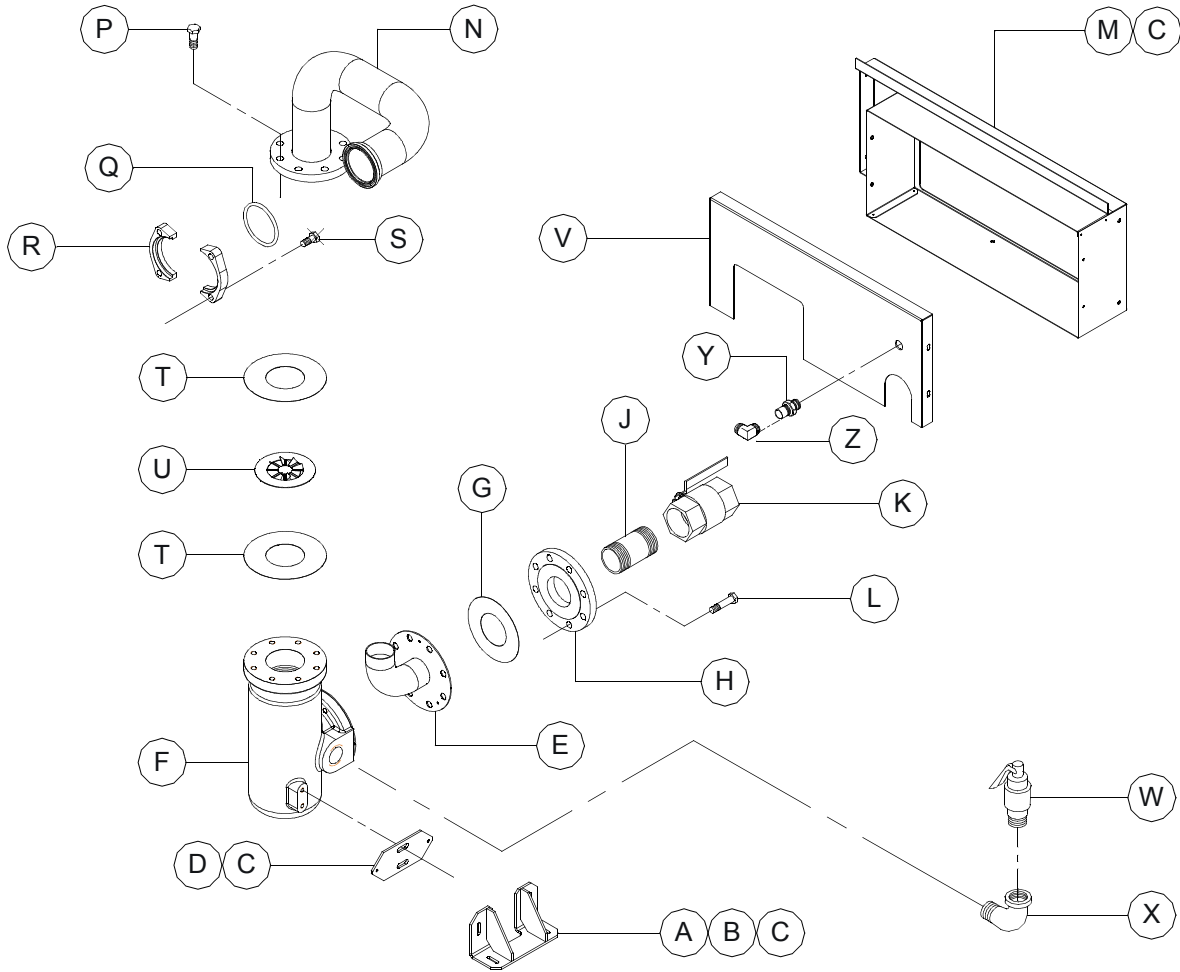
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	39464425	Gasket	1	
B	54597745	Tube, 2nd Stage Inlet	1	
C	39179072	Screw	8	
D	39912795	Joint, Pipe	1	
E	95934386	Screw	8	
F	39487426	Gasket	1	
G	39913025	Tube Assembly	1	
H	35356039	Screw	8	
J	54379649	Bracket, Water Separator	1	
K	36889608	Screw	3	
L	39915087	Separator, Water	1	
M	95934634	Screw, Mounting	2	
N	39330253	Gasket	1	
P	54362819	Element	1	
				Continued.....

Air End Piping



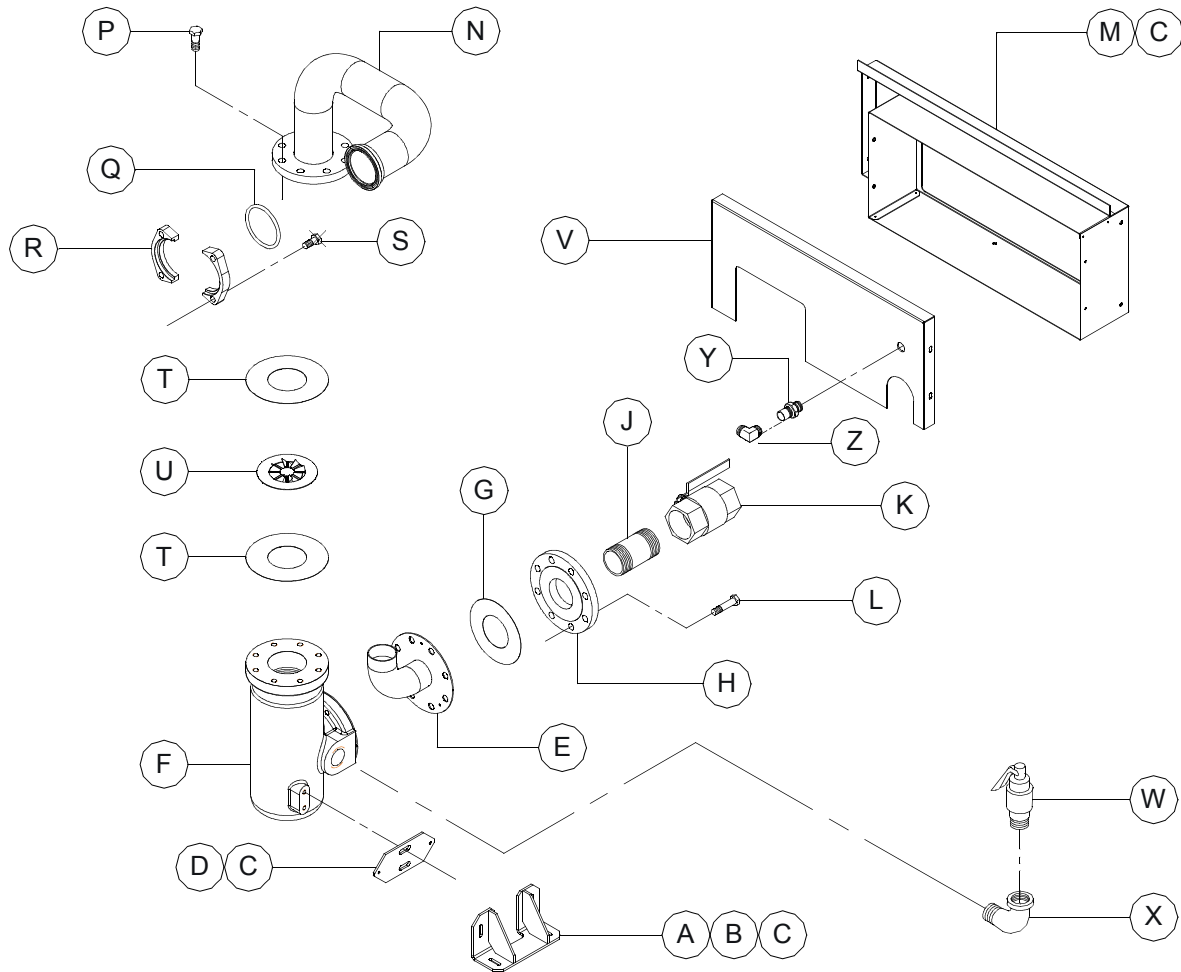
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Q	54380449	Tube, Water Separator	1	Continued.....
R	95934170	Screw	8	
S	39464425	Gasket	1	
T	95060745	O-Ring	1	
U	95930723	Screw	4	
V	95985735	Flange, Split	2	
W	54597737	Tube, Intercooler Outlet	1	
X	95934253	Screw	8	
Y	95922928	Nut	8	
Z	95946281	Elbow	1	
AI	95953808	Nipple	1	
A2	39918214	Valve, Safety	1	
A3	54557087	Rtd (RT-2)	1	

Air End Piping



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54688163	Bracket Water Separator	1	As Required
B	95934642	Screw	2	
C	35279025	Screw		
D	54688171	Plate, Mounting	1	
E	39890926	Tube Assembly	1	
F	39928007	Separator, Water	1	
G	39925532	Gasket	1	
H	95991105	Flange	1	
J	54728654	Nipple	1	
K	36755718	Valve, Ball	1	
L	95930723	Screw	8	
M	54690755	Lower Rear Panel Assembly	1	
				Continued.....

Air End Piping

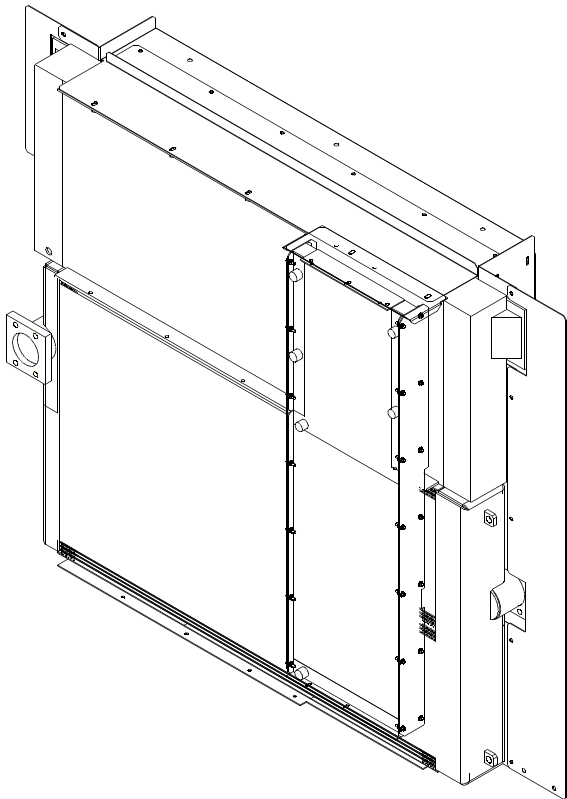
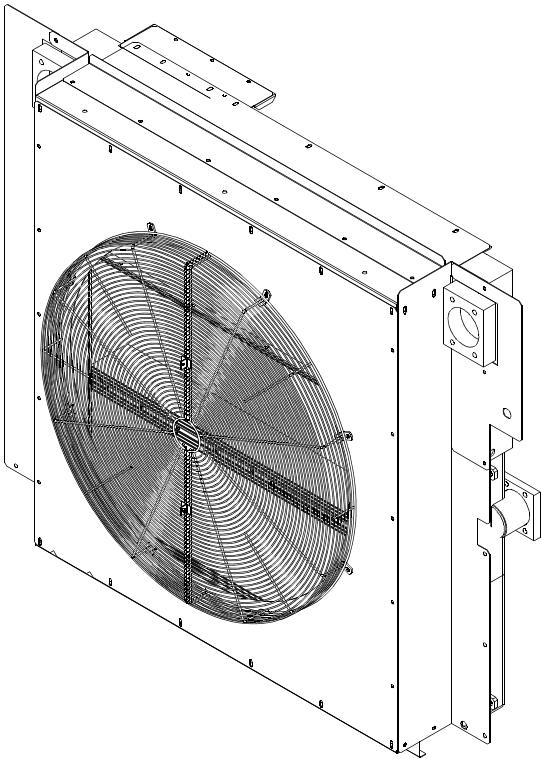


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	54383468	Tube, After cooler Outlet	1	 Continued
P	95934170	Screw	8	
Q	39188479	O-Ring	1	
R	39481593	Flange Split	2	
S	95930723	Screw	4	
T	39487434	Gasket	2	
U	39891171	Filter	1	
V	54690771	Cover, End Panel	1	
W	39918206	Valve, Safety		
X	95953311	Elbow	1	
Y	95365151	Fitting, Bulkhead	1	
Z	35290352	Elbow	1	

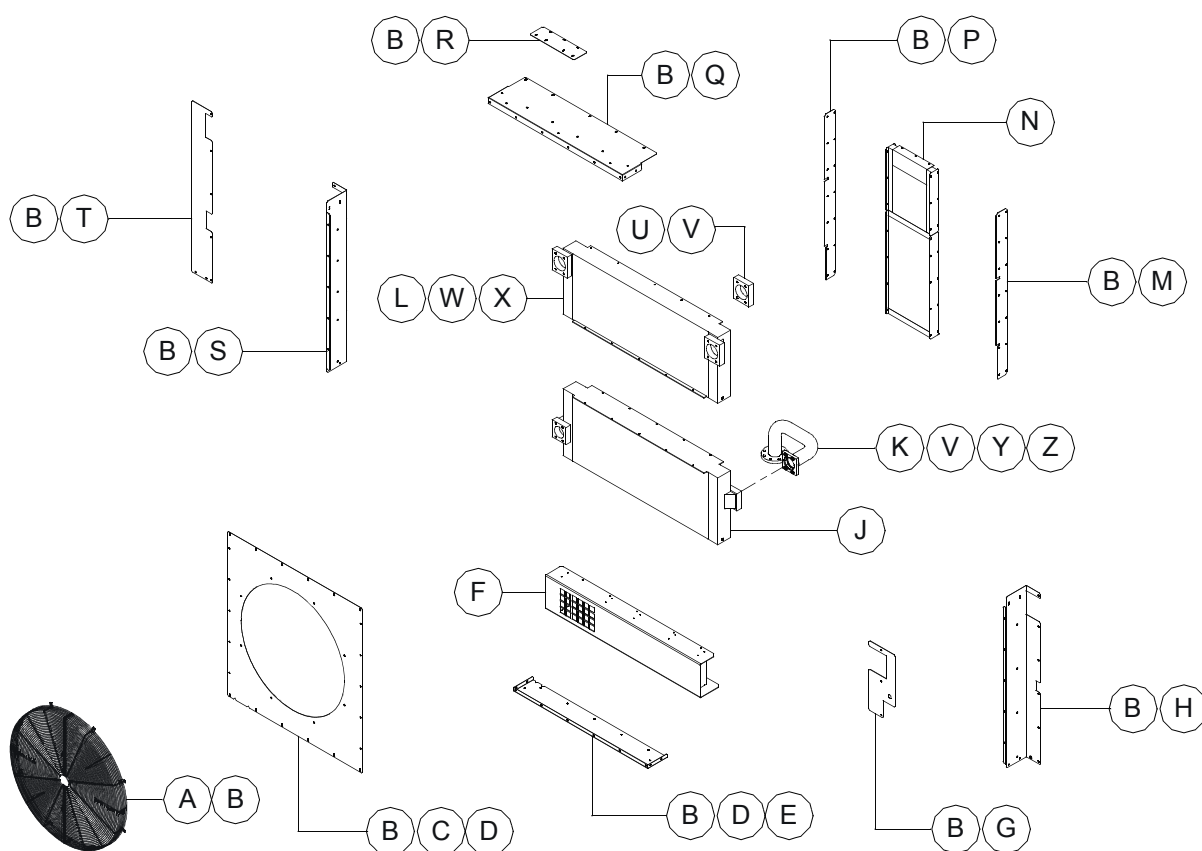
Condensate Burn-Off Piping

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35248145	Valve, Check		
B	35248319	Orifice		.094
C	36841526	Heater, 24 Volt		
D	95954194	Tee		
E	95944575	Nipple		
F	36842318	Valve, Solenoid		
G	35279934	Elbow		
H	22928212	Hose Assembly		
J	95940748	Bushing		
K	36844579	Strainer		
L	95944666	Elbow		
M	39915087	Separator, Interstage		
N	22928220	Hose Assembly		
P	36842318	Valve, Solenoid		
Q	37081528	Orifice		.063
R	36844579	Strainer		
S	95953618	Nipple		
T	95300943	Elbow		
U	95245353	Bushing		
V	39928007	Separator, Discharge		

Air End Cooling Assembly

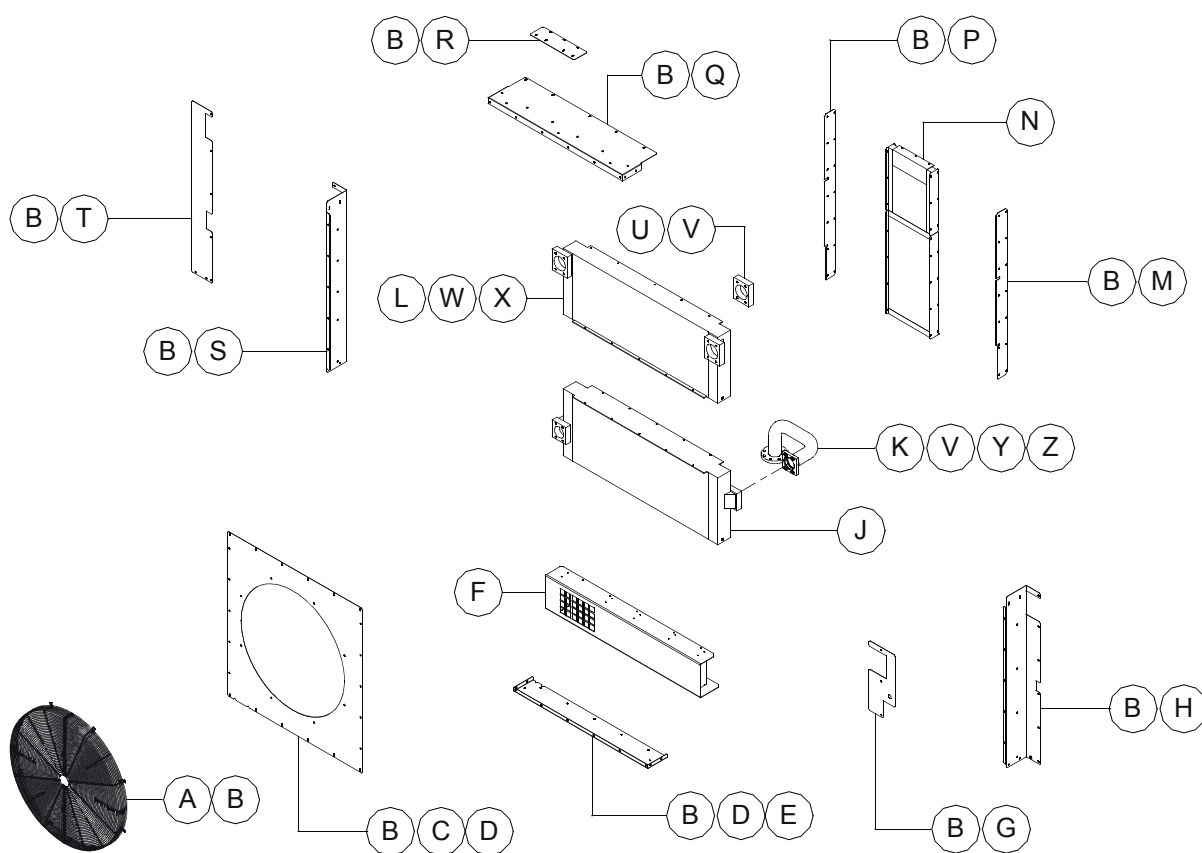


Air End Coolers



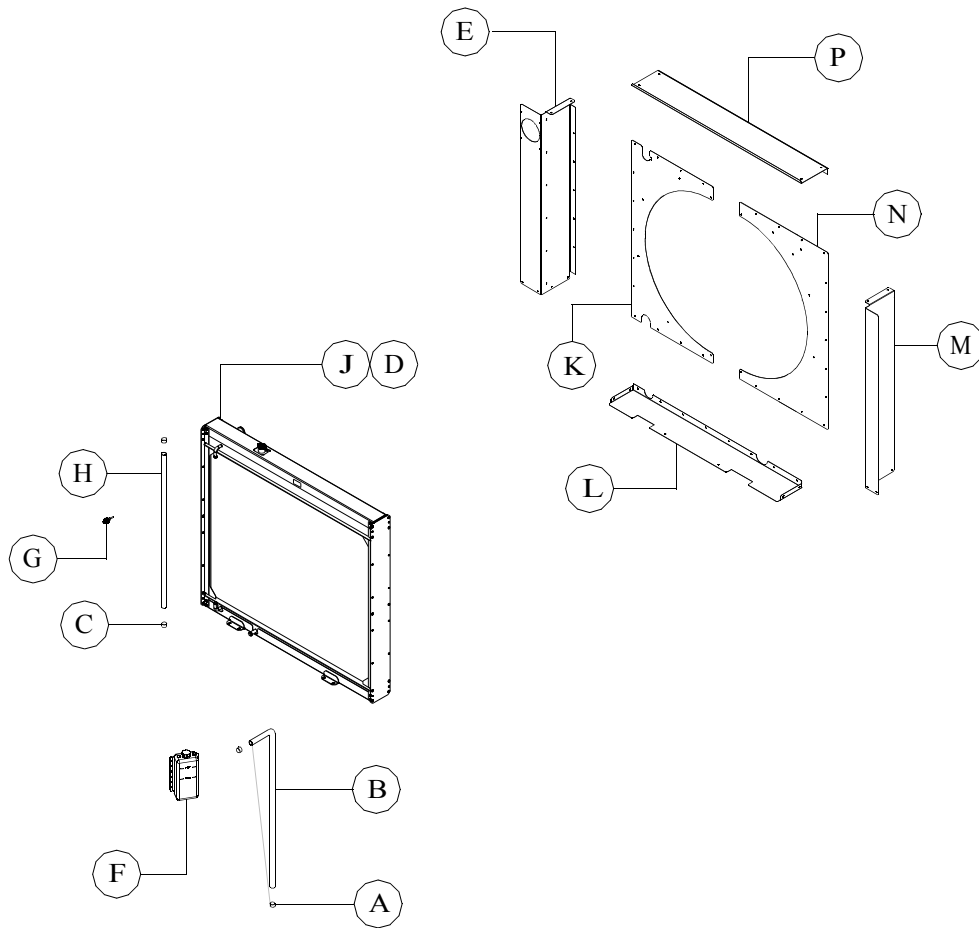
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54672688	Guard Fan	1	
B	35279025	Screw	*	
C	54406715	Orifice, Fan	1	
D	36895746	Nutsert	*	
E	54407549	Shroud, Bottom	1	
F	54638135	Support, Cooler (Not Required for Stainless Steel After cooler)	1	
G	54416037	Bracket, Shroud	1	
H	54407564	Shroud, L.H.	1	
J	54637236	After cooler, Aluminum	1	
	54584594	After cooler, Stainless Steel	1	
K	54672746	Tube, Aluminum	1	
	54383468	Tube, Stainless Steel	1	
L	54550827	Intercooler, Air End	1	
M	54673553	Support, Dual Cooler	1	
				Continued.....

Air End Coolers



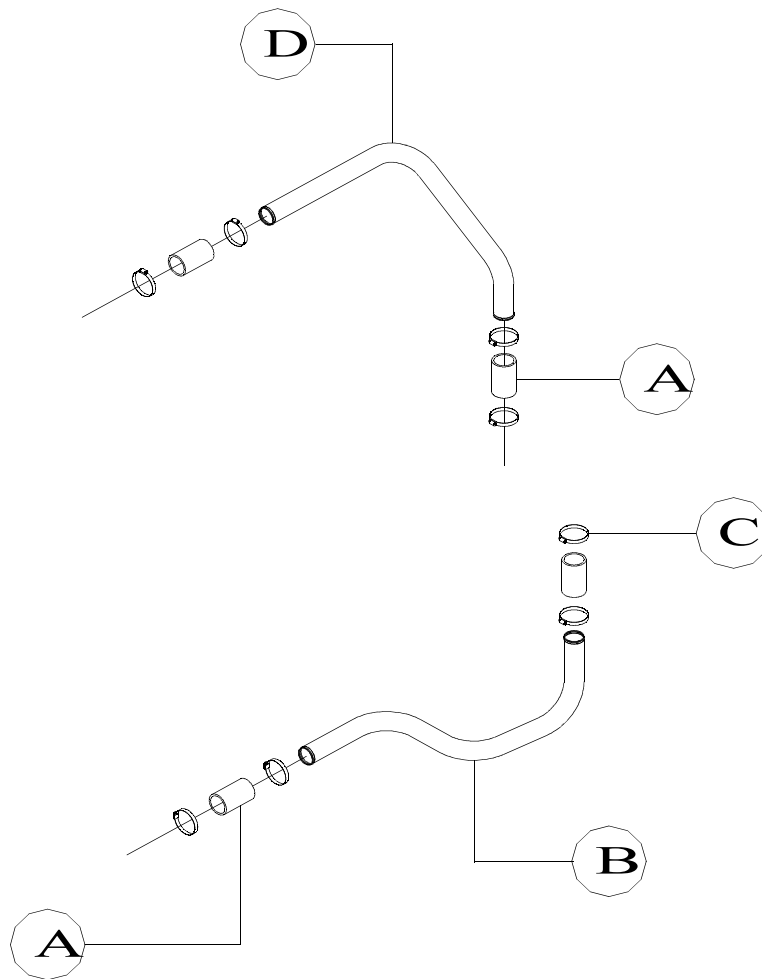
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	54543343	Cooler, Dual	1	 <i>Continued</i>
P	54673553	Support, Dual Cooler	1	
Q	54407523	Shroud, Top	1	
R	54642368	Plate, Cooler	1	
S	54407556	Shroud, R.H. Inside	1	
T	54416029	Shroud, R.H. Outside	1	
U	54745559	Flange	1	
V	39188479	O-Ring	2	
W	36889608	Screw	10	
X	36881886	Nut	10	
Y	39481593	Clamp	2	
Z	95930723	Screw	4	

Engine Radiator



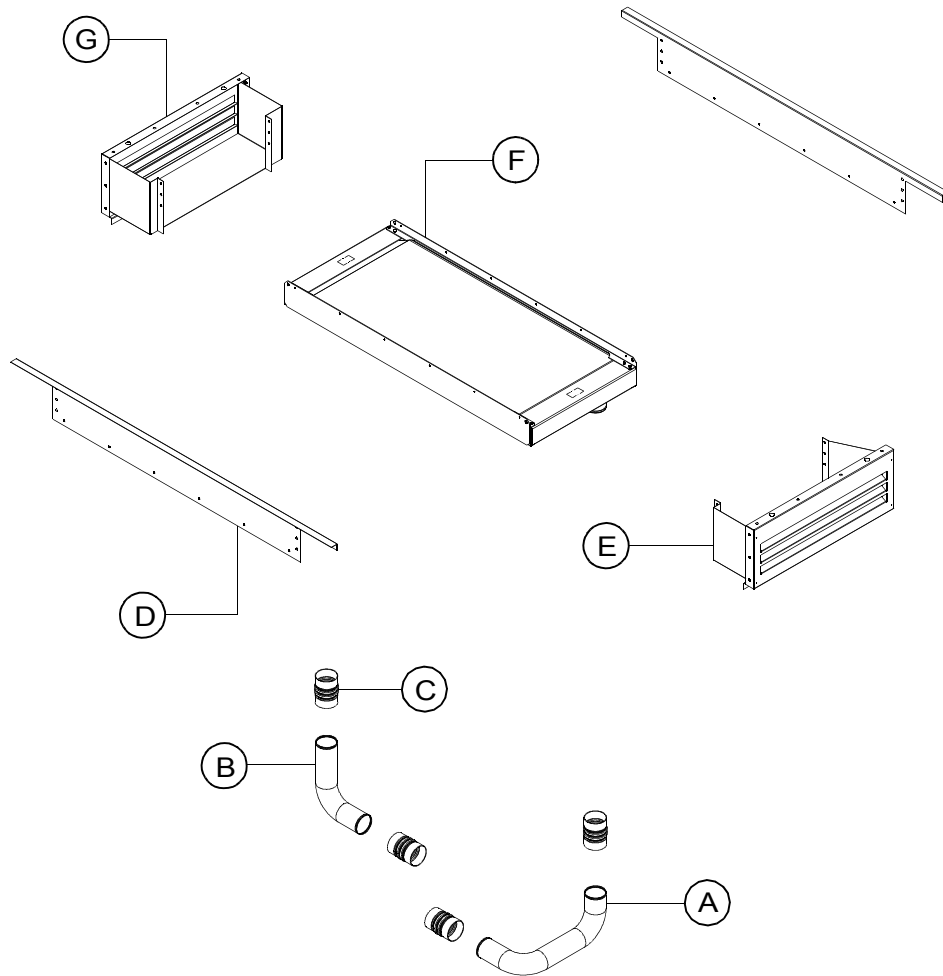
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95235131	Clamp	2	120"
B	35360775	Tubing	1	
C	95220851	Clamp	2	
D	35279025	Screw		
E	54421730	Shroud, R.H.	1	As Required
F	36845600	Bottle, Coolant Recovery	1	
G	54404280	Sender	1	
H	35286327	Hose, Rubber	1	
J	22878482	Radiator	1	56"
K	54427810	Orifice, R.H. Fan	1	
L	54421714	Shroud, Bottom	1	
M	54421722	Shroud, L.H.	1	
N	22885263	Orifice, L.H. Fan	1	
P	54421706	Shroud, Top	1	
	54474572	Probe, Low Water	1	

Engine Cooling Piping



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35330570	Connector, Rubber	4	
B	54454251	Tube, Lower Radiator	1	
C	31497357	Clamp	8	
D	22901276	Tube, Upper Radiator	1	

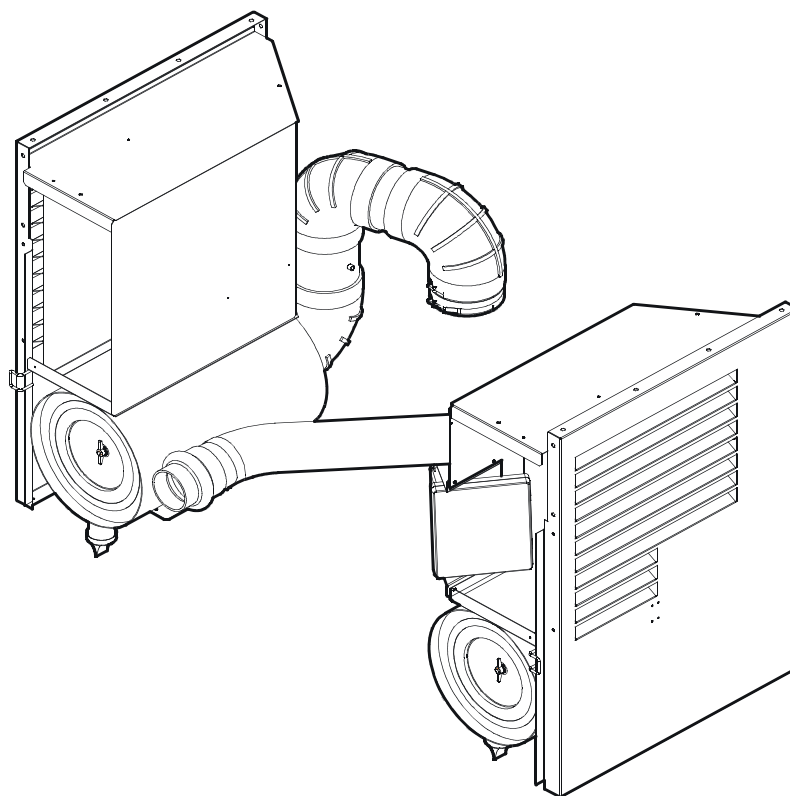
Engine Charge Air Cooler and Mounting



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22883912	Tube, Turbo Outlet	1	
B	22903728	Tube, Engine Inlet	1	
C	54422522	Hose, Rubber Connector	4	
D	22892731	Panel, Cooler side	2	
E	22895452	Vent, Curbside	1	
F	22891865	Assembly, Cooler	1	
G	22892665	Vent, Streetside	1	

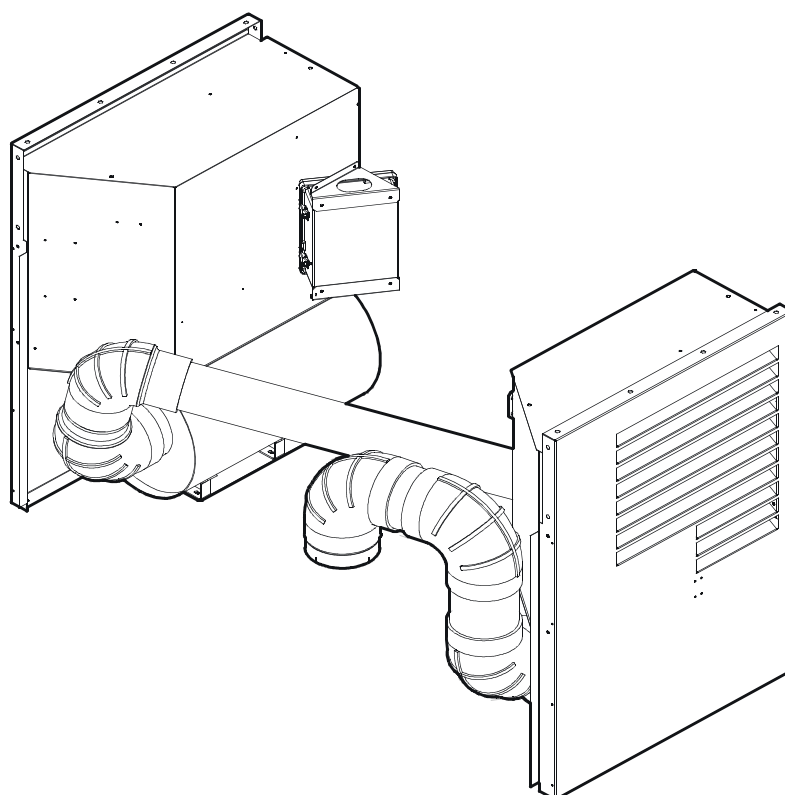
Air Intake Assembly

(AIR END)



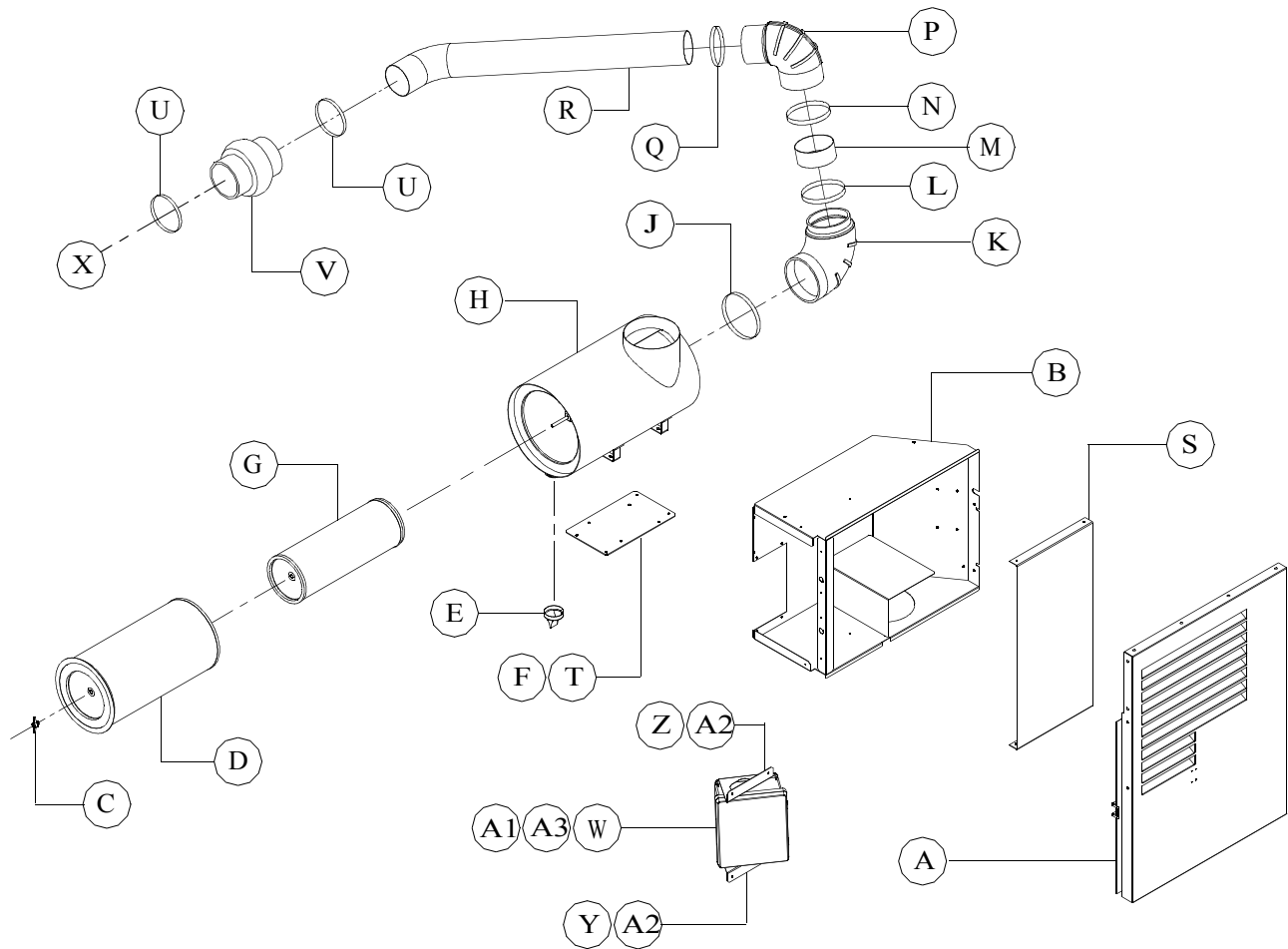
(ENGINE)

(ENGINE)



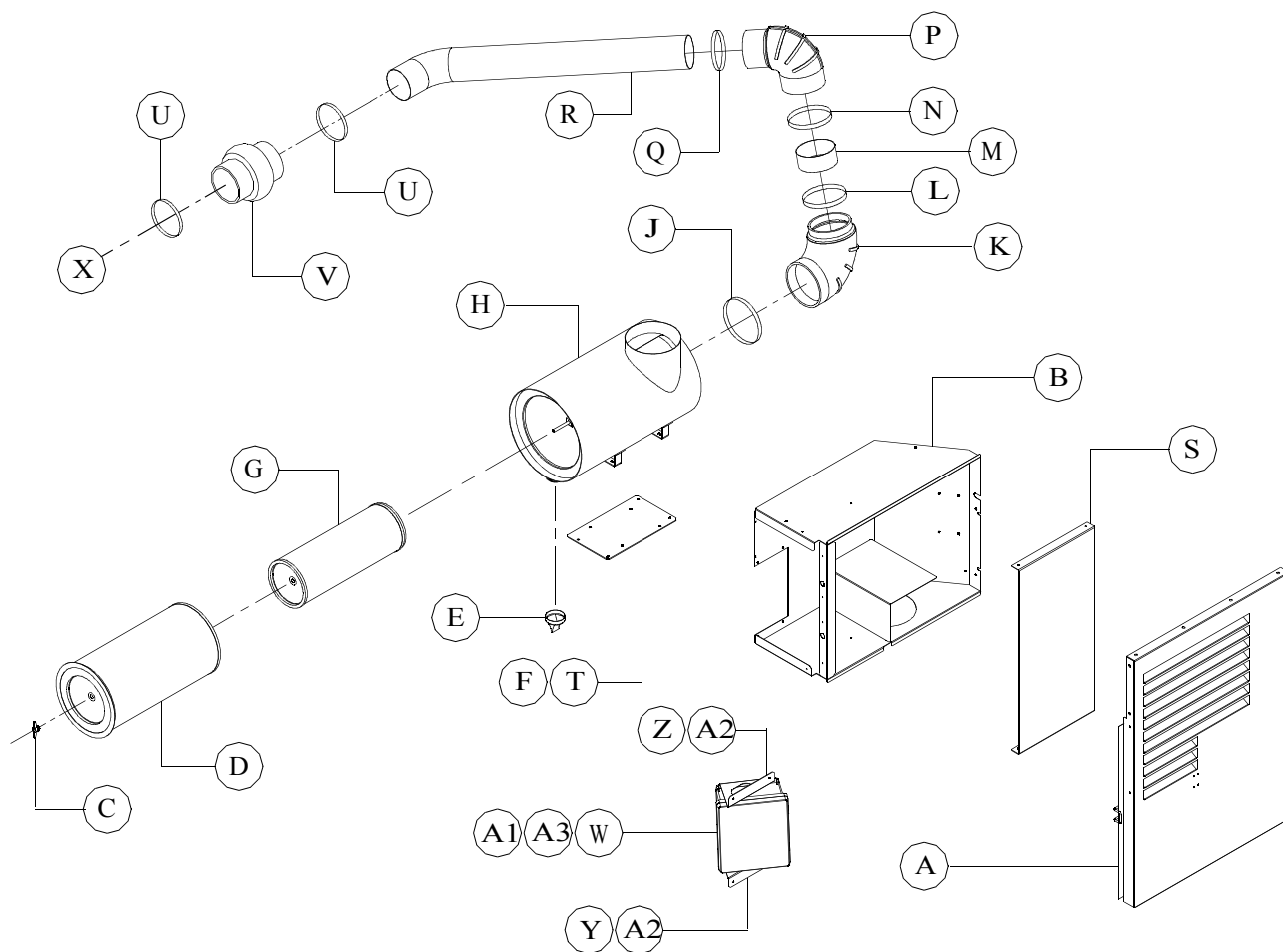
(AIR END)

Engine Air Intake



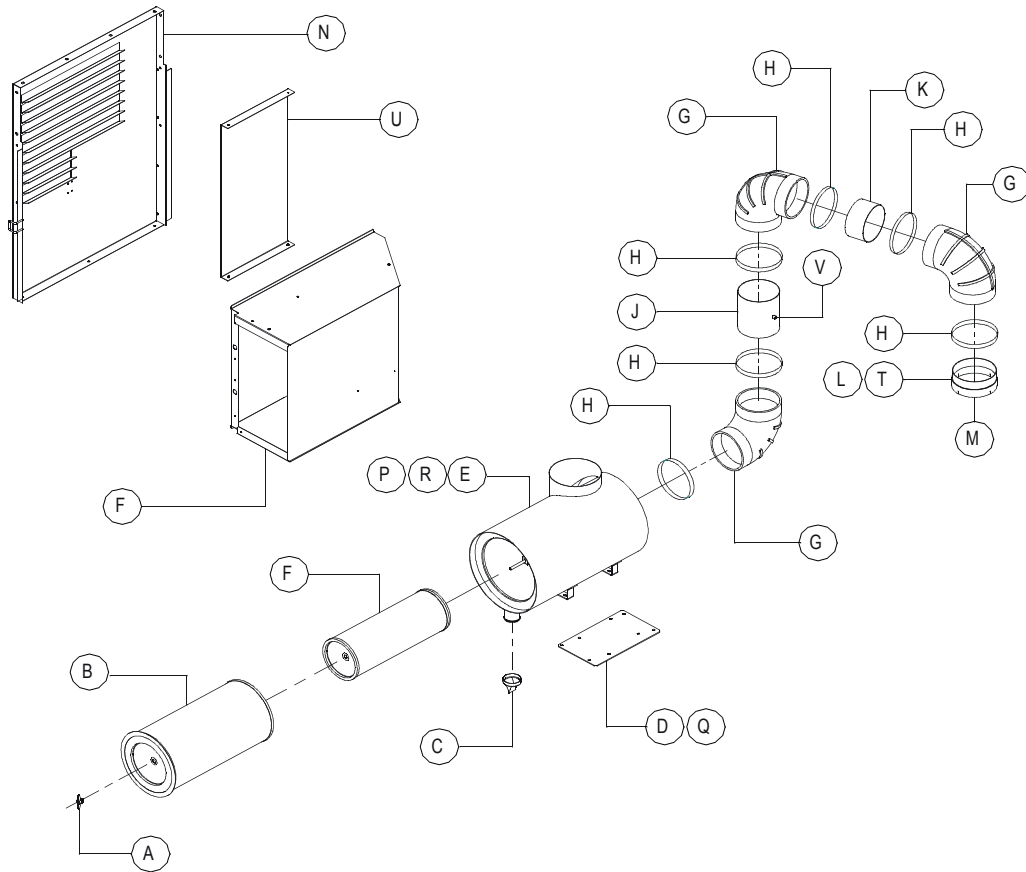
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54656194	Intake Grill, Street Side	1	
B	54656491	Intake Housing, Street Side	1	
C	35388982	Nut Wing	1	
D	36864361	Element, Primary	1	
E	36867778	Valve, Evacuator	1	
F	54631338	Plate, Mounting	1	
G	36864379	Element, Safety	1	
H	54625926	Housing, Air Cleaner	1	
J	35119858	Clamp	1	
K	36759025	Elbow, Rubber	1	
L	35119858	Clamp	1	
M	35112648	Tubing	1	
N	35119858	Clamp	1	
P	35315894	Elbow, Rubber	1	
Q	35123496	Clamp	1	
R	54674007	Tube	1	
				Continued

Engine Air Intake



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	54656517	Baffle, Vertical	1	Continued.....
T	35279025	Screw	4	
U	35123496	Clamp	2	
V	35114537	Hose, Hump	1	
W	36898104	Nut	4	
X	*	To Engine Turbo		
Y	54656533	Bracket, Bottom	1	
Z	54656525	Bracket, Top	1	
A1	54631312	Box, Power Distributor (Fuse)	1	
A2	35300771	Screw	4	
A3	36898096	Screw	4	
A4	36898104	Nut	4	

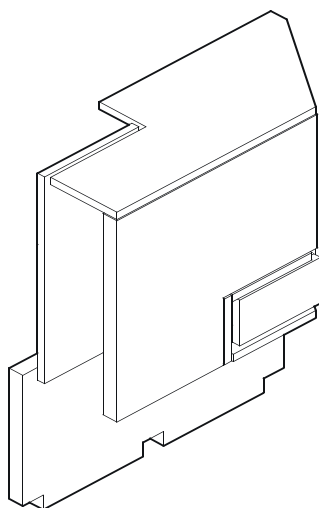
Air End Air Intake



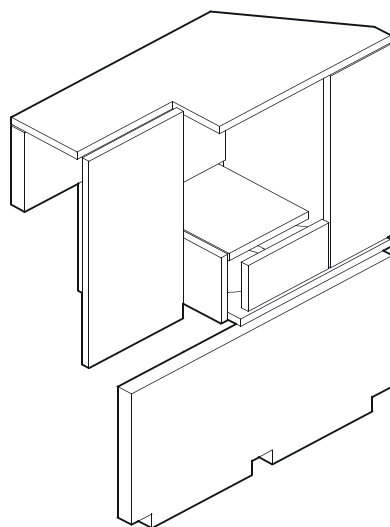
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35388982	Nut, Wing	1	
B	36864361	Element, Primary	1	
C	36867778	Valve, Evacuator	1	
D	54631338	Plate, Mounting	1	
E	36864379	Element, Safety	1	
F	54656509	Intake Housing, Curb Side	1	
G	35120211	Elbow, Rubber	3	
H	35129071	Clamp	6	
J	54638143	Tube	1	
K	35300110	Tube	1	
L	39919352	Tube, Adapter	1	
M	*	To Air End Intake	*	
N	54656202	Intake Grill, Curb Side	1	
P	36864346	Housing, Air Cleaner	1	
Q	35279025	Screw	1	
R	35376953	Screw	1	
S	36879195	Nut	1	
T	39919360	Gasket	1	
U	54656517	Baffle, Vertical	1	
V	54557095	Thermister (RT-6)		

Air Intake Acoustic Assembly

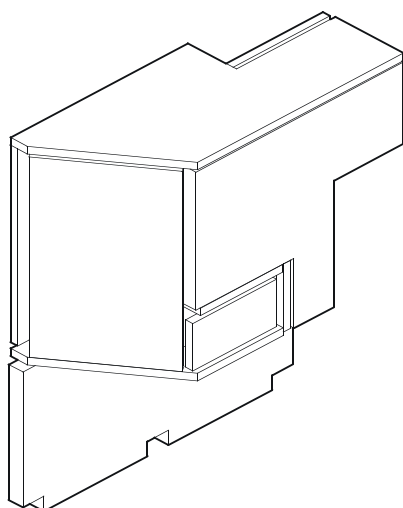
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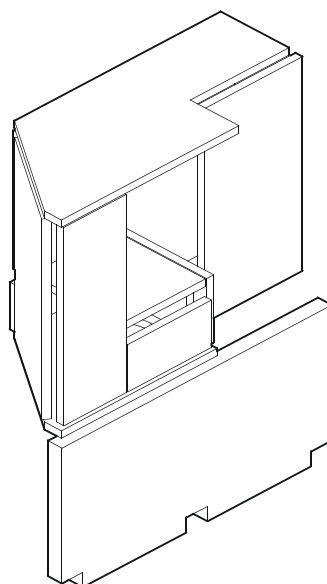
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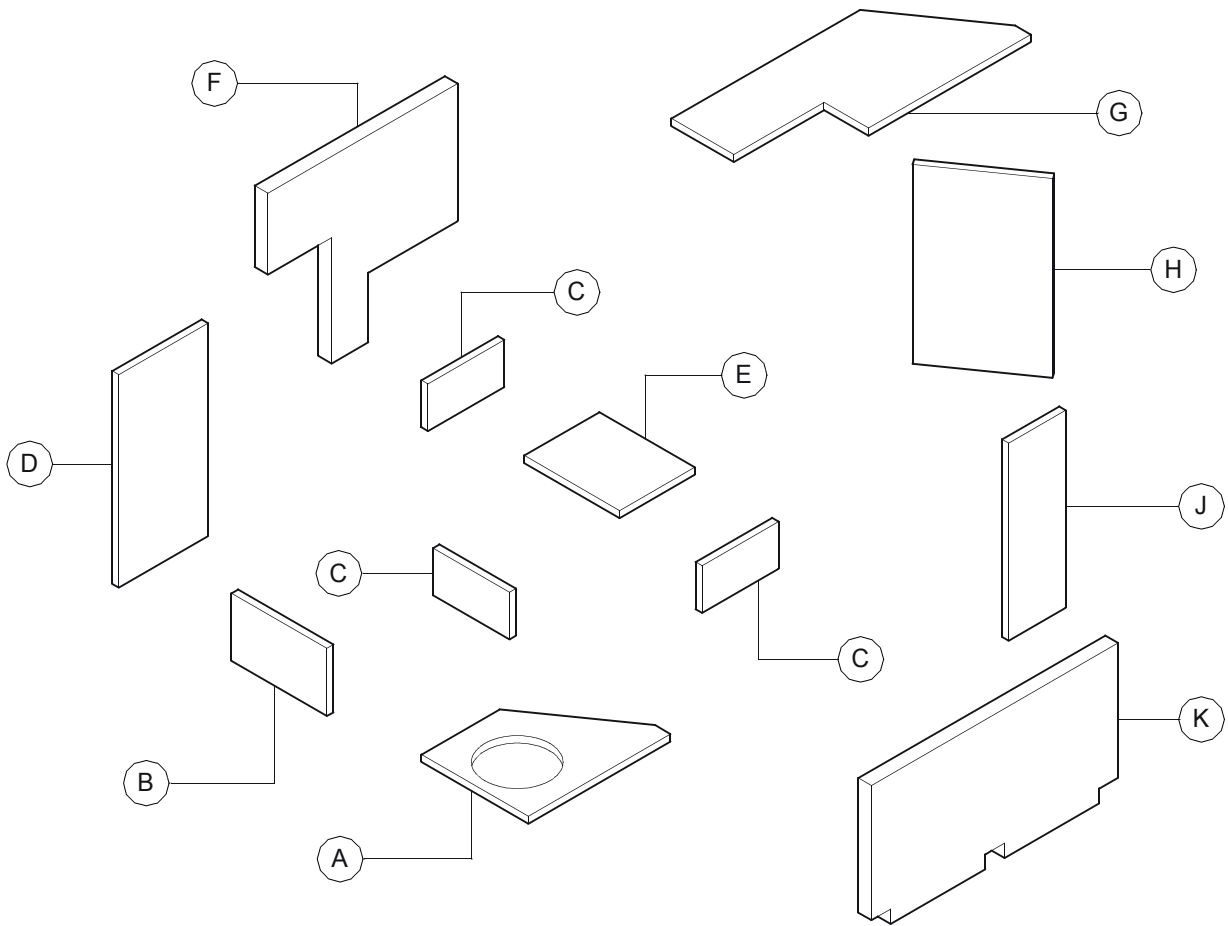
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(AIR END)

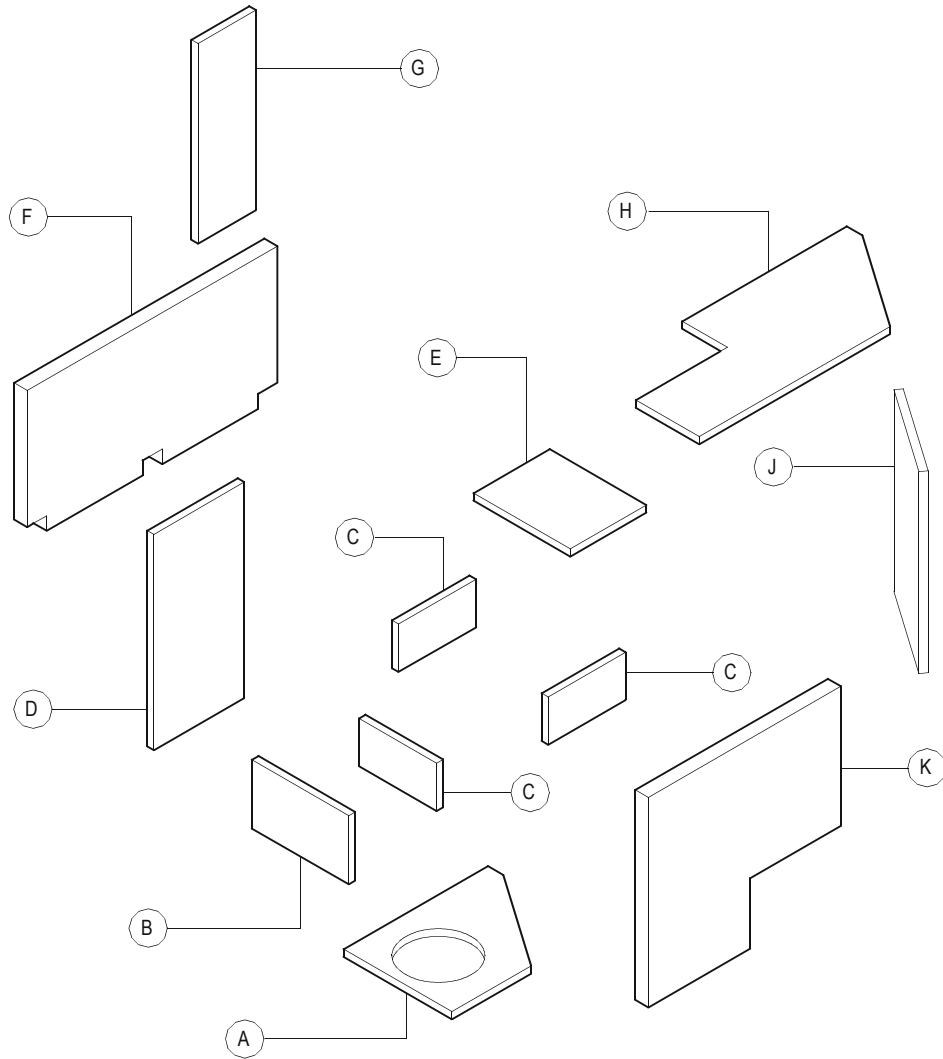


Engine Air Intake Acoustics



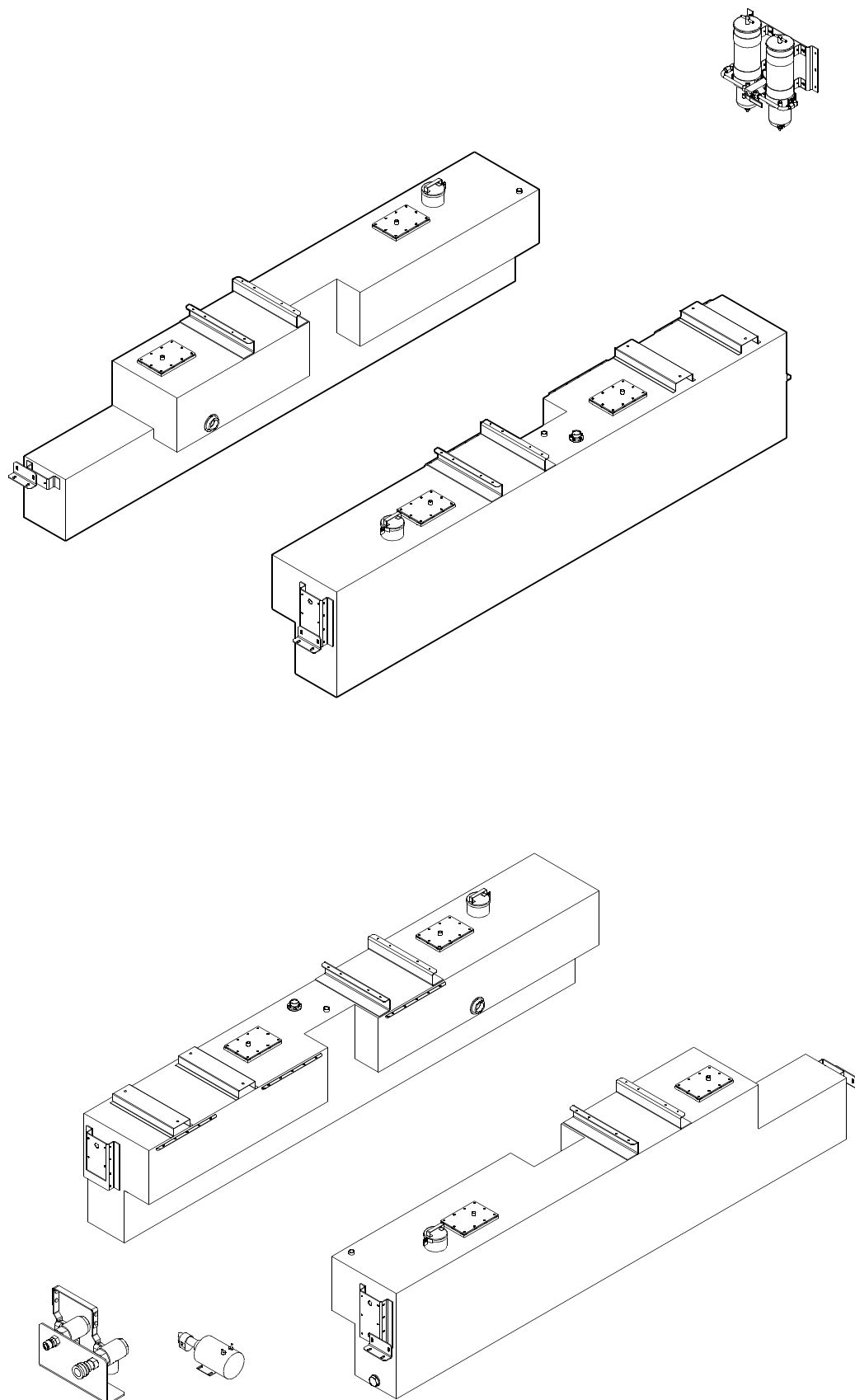
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659289	Foam, Engine Air Intake (Bottom)	1	
B	54659271	Foam, Intake (Side)	1	
C	54659255	Foam, Intake Box	3	
D	54659222	Foam, Intake (Rear)	1	
E	54659263	Foam, Intake Box (Top)	1	
F	54659339	Foam, Intake Rear	1	
G	54659305	Foam, Intake (Top)	1	
H	54659347	Foam, Intake (Side)	1	
J	54659248	Foam, Intake (Side)	1	
K	54659230	Foam, Intake (Front)	1	

Air End Air Intake Acoustics

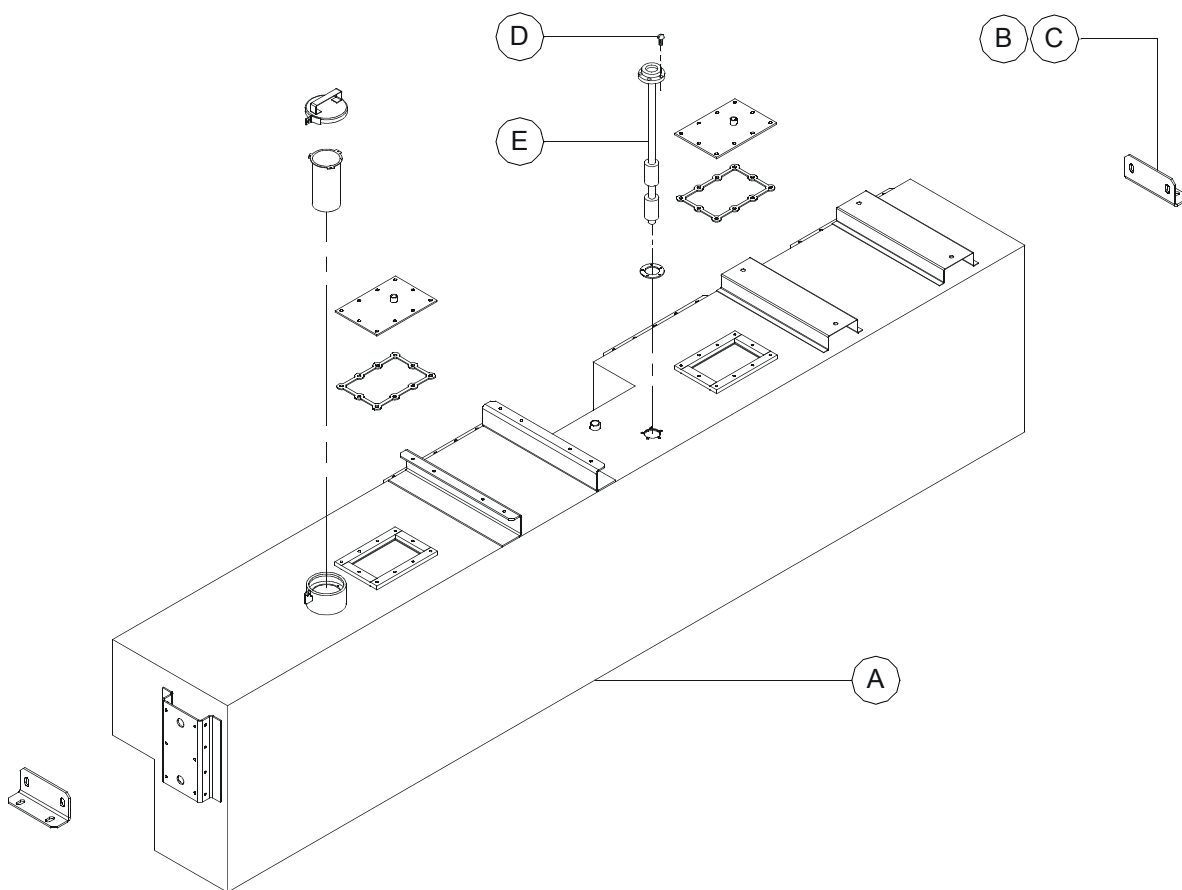


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659297	Foam, Air End Air Intake (Bottom)	1	
B	54659271	Foam, Intake (Side)	1	
C	54659255	Foam, Intake Box	3	
D	54659222	Foam, Intake (Rear)	1	
E	54659263	Foam, Intake Box (Top)	1	
F	54659230	Foam, Intake Rear	1	
G	54659248	Foam, Intake (Front)	1	
H	54659313	Foam, Intake (Top)	1	
J	54659347	Foam, Intake (Side)	1	
K	54659321	Foam, Intake (Rear)	1	

Fuel Tank Assembly

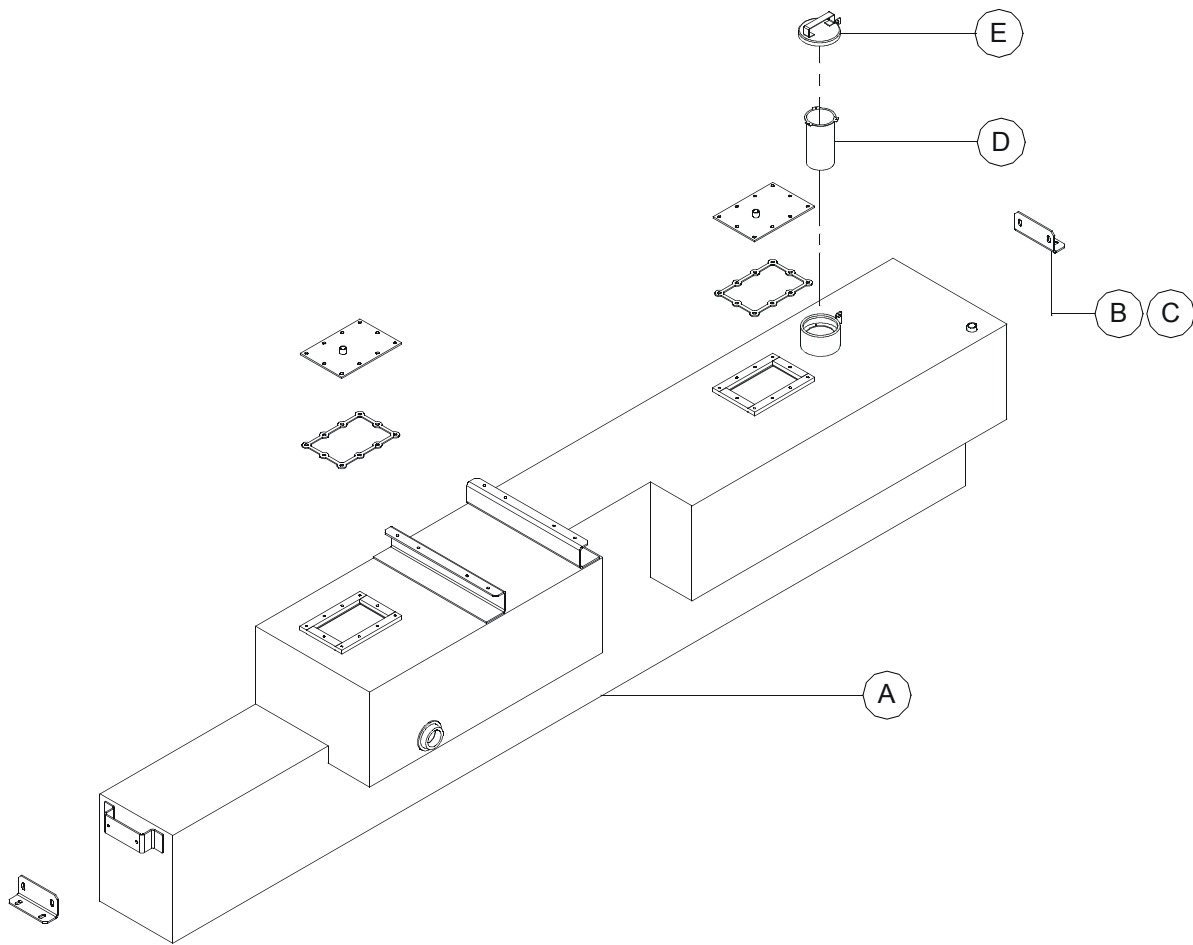


Fuel Tank



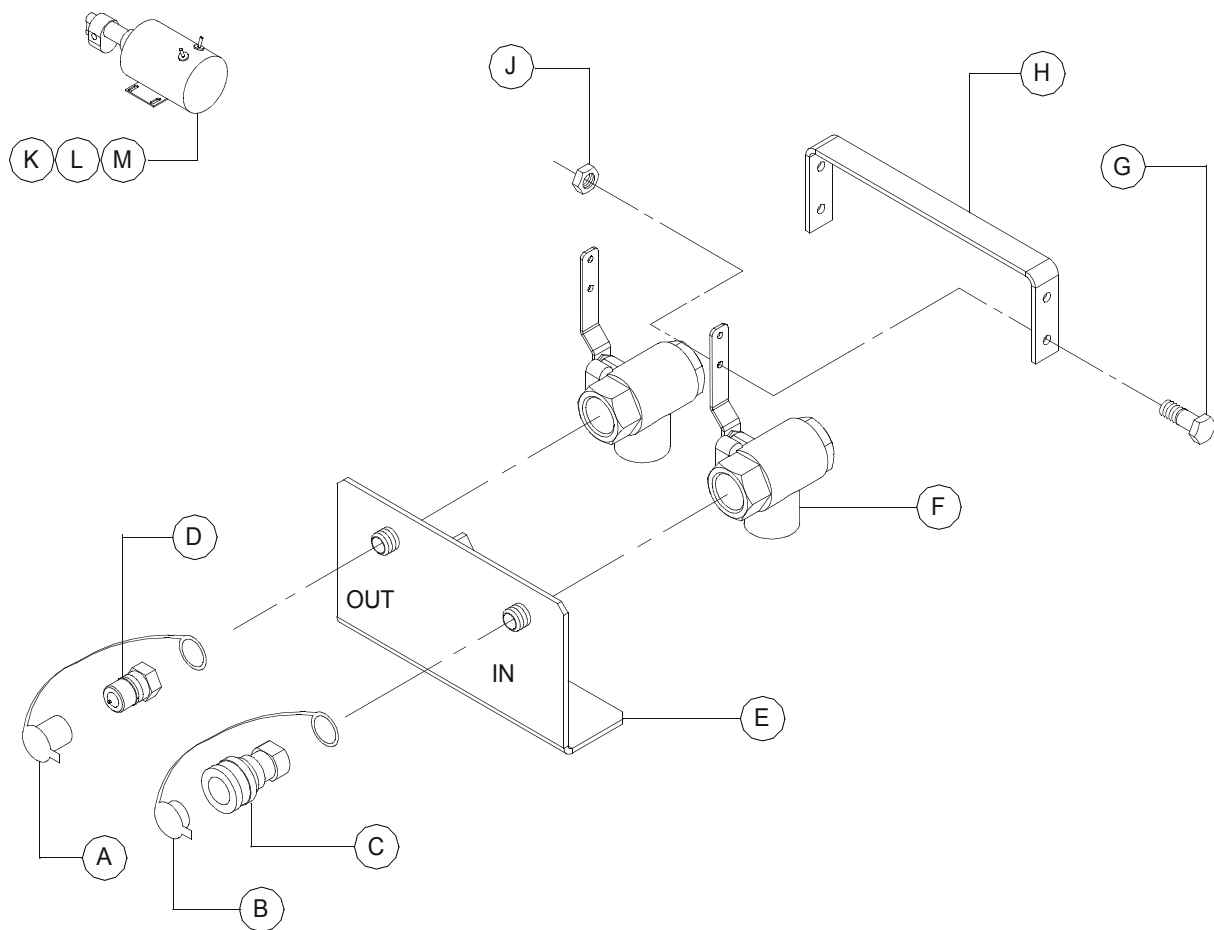
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54377585	Tank, Fuel	1	
B	54381769	Bracket, Mounting	2	
C	35279025	Screw	8	
D	36842102	Screw	5	
E	36876845	Sender, Fuel	1	

Fuel Tank



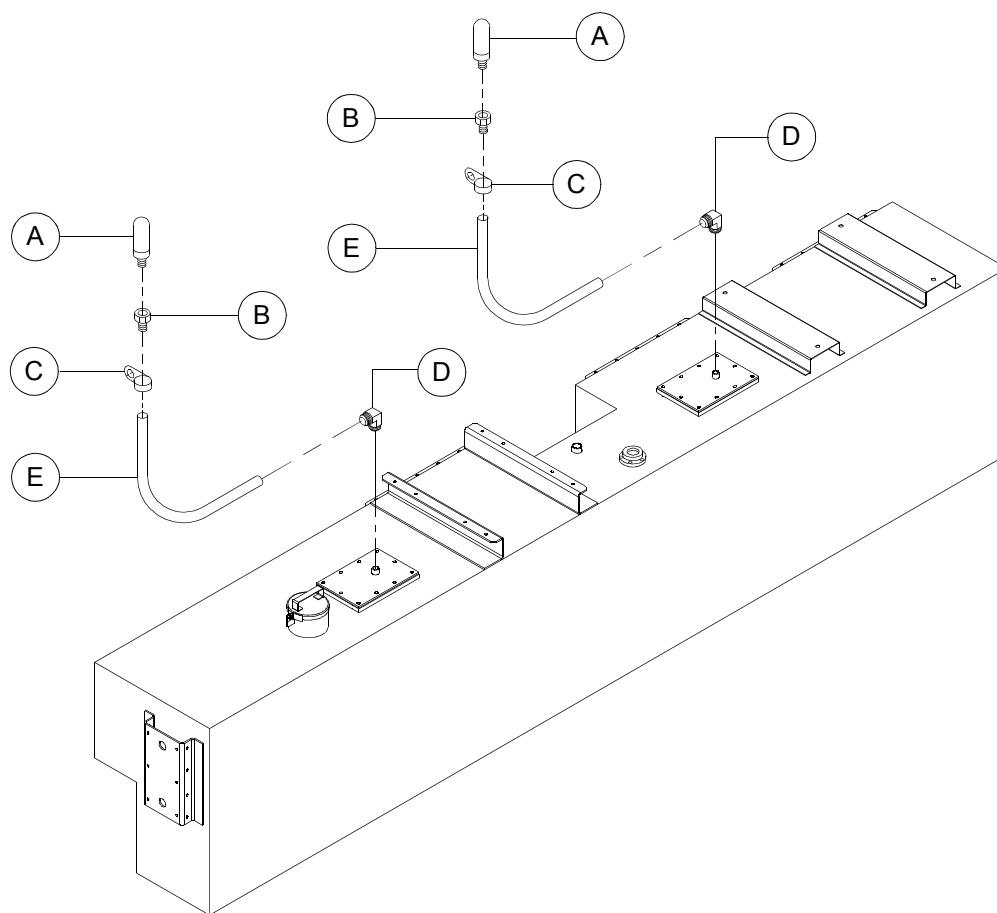
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54381793	Tank, Fuel	1	
B	54381769	Bracket, Mounting	2	
C	35279025	Screw	8	
D	36845022	Strainer	1	
E	36845014	Cap, Fuel	1	

Fuel Tank Filler



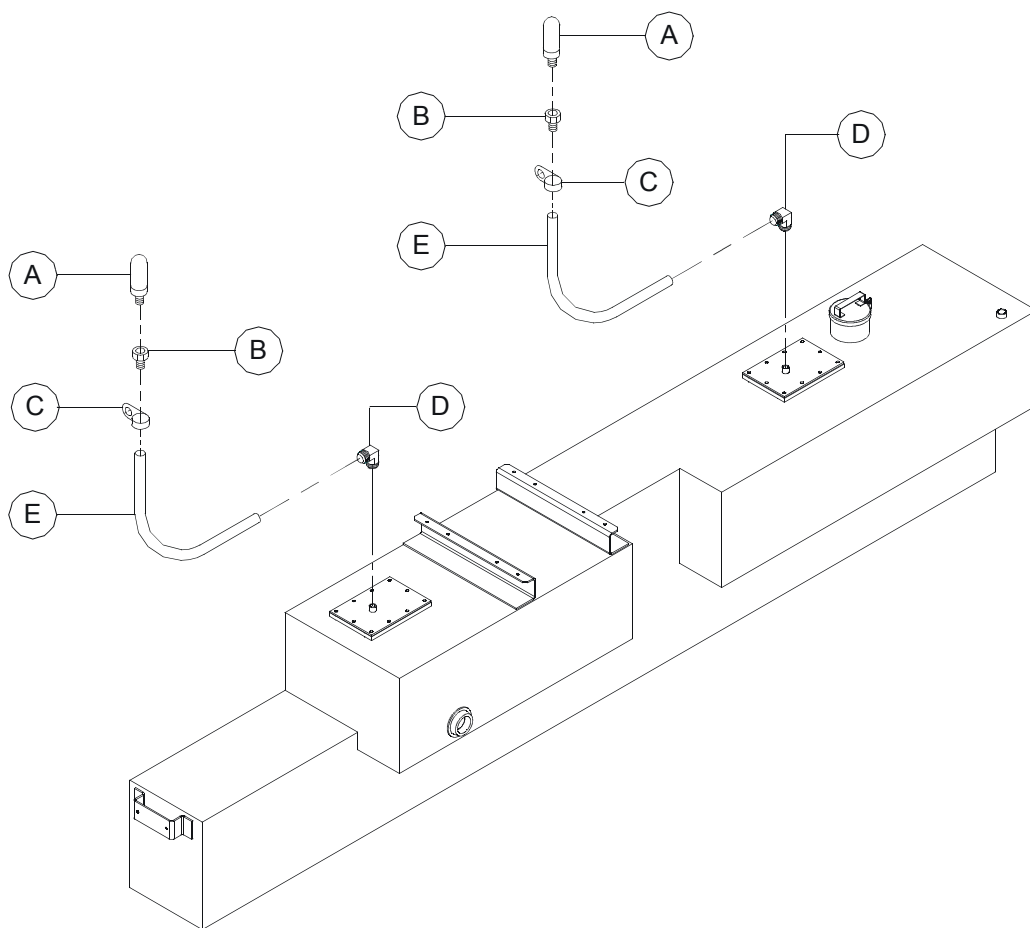
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54720222	Plug, Dust	1	
B	54720230	Plug, Dust	1	
C	54489109	Connector	1	
D	54489125	Coupler	1	
E	54454103	Bracket, Fuel Coupler	1	
F	54726575	Valve, 3-Way	2	
G	36898096	Bolt	4	
H	54720248	Lever, Valve	1	
J	36898104	Nut	4	
K	54661962	Fuel Pump Assembly	1	
L	54728605	Motor, Fuel Pump	1	
M	54728639	Head, Fuel Pump	1	

Fuel Tank

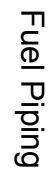


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35369354	Elbow	1	
B	35356484	Tubing	1	
C	35253038	Clamp	1	
D	35369339	Connector	1	
E	35322395	Silencer	1	

Fuel Tank



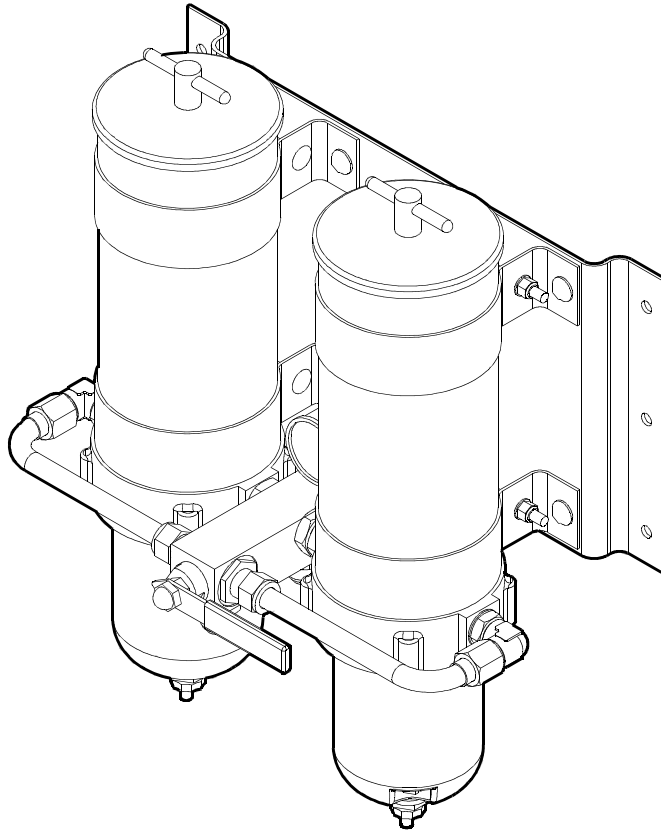
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35369354	Elbow	1	
B	35356484	Tubing	1	
C	35253038	Clamp	1	
D	35369339	Connector	1	
E	35322395	Silencer	1	



Fuel Piping

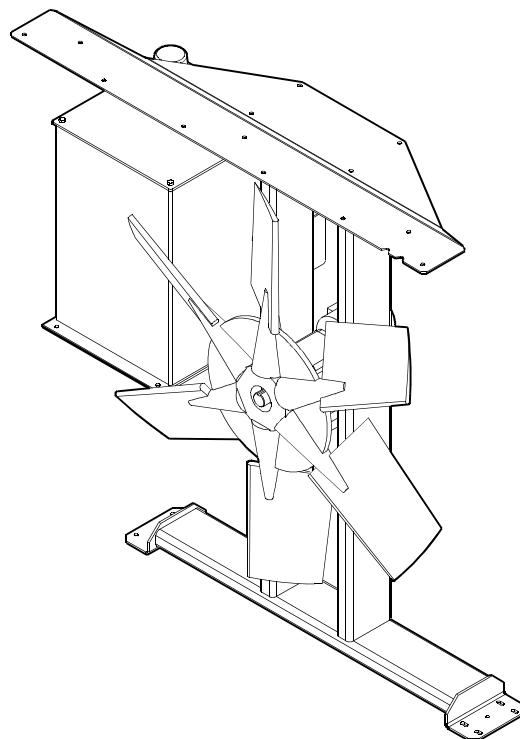
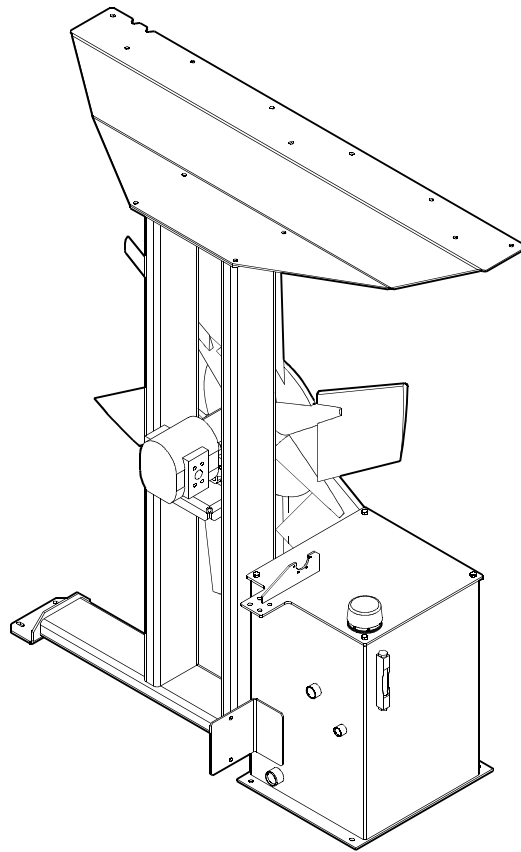
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35291863	Hose Assembly		
B	95937637	Elbow		
C	54489125	Coupler		
D	54720230	Plug, Dust		
E	35286939	Hose Assembly		
F	35286756	Elbow		
G	36846061	Adapter		
H	36792018	Hose Assembly		
J	95774220	Tee		
K	54718747	Hose Assembly		
L	95328761	Adapter		
M	35576123	Valve, Ball		
N	95928180	Elbow		
P	95946117	Nipple		
Q	35335124	Adapter		
R	54718754	Hose Assembly		
S	54718887	Hose Assembly		
T	95928172	Elbow		
U	54718655	Hose Assembly		
V	95953956	Bushing		
W	35315977	Tee		
X	54718861	Hose Assembly		
Y	95992863	Elbow		
Z	54718853	Hose Assembly		
AI	35287911	Elbow		
A2	35305648	Elbow		
A3	54718846	Hose Assembly		
A4	35286525	Elbow		
A5	35291863	Hose Assembly		
A6	35142199	Hose Assembly		
A7	95871448	Elbow, 45		

Water Filter Assembly

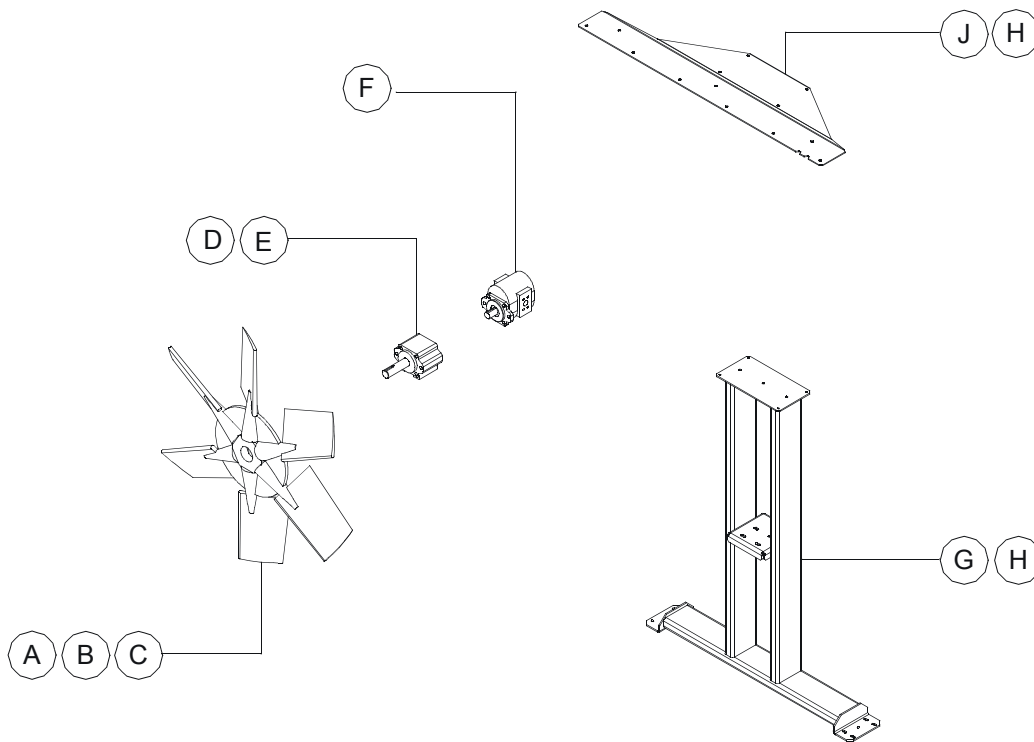


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54661582	Filter Assembly	1	24 Volt / 300 Watt
B	*54726971	Gauge, Vacuum	1	
C	*54726965	Heaters	2	
D	*54661590	Elements, Replacement * Included with Assembly	2	

Hydraulic Fan Assembly

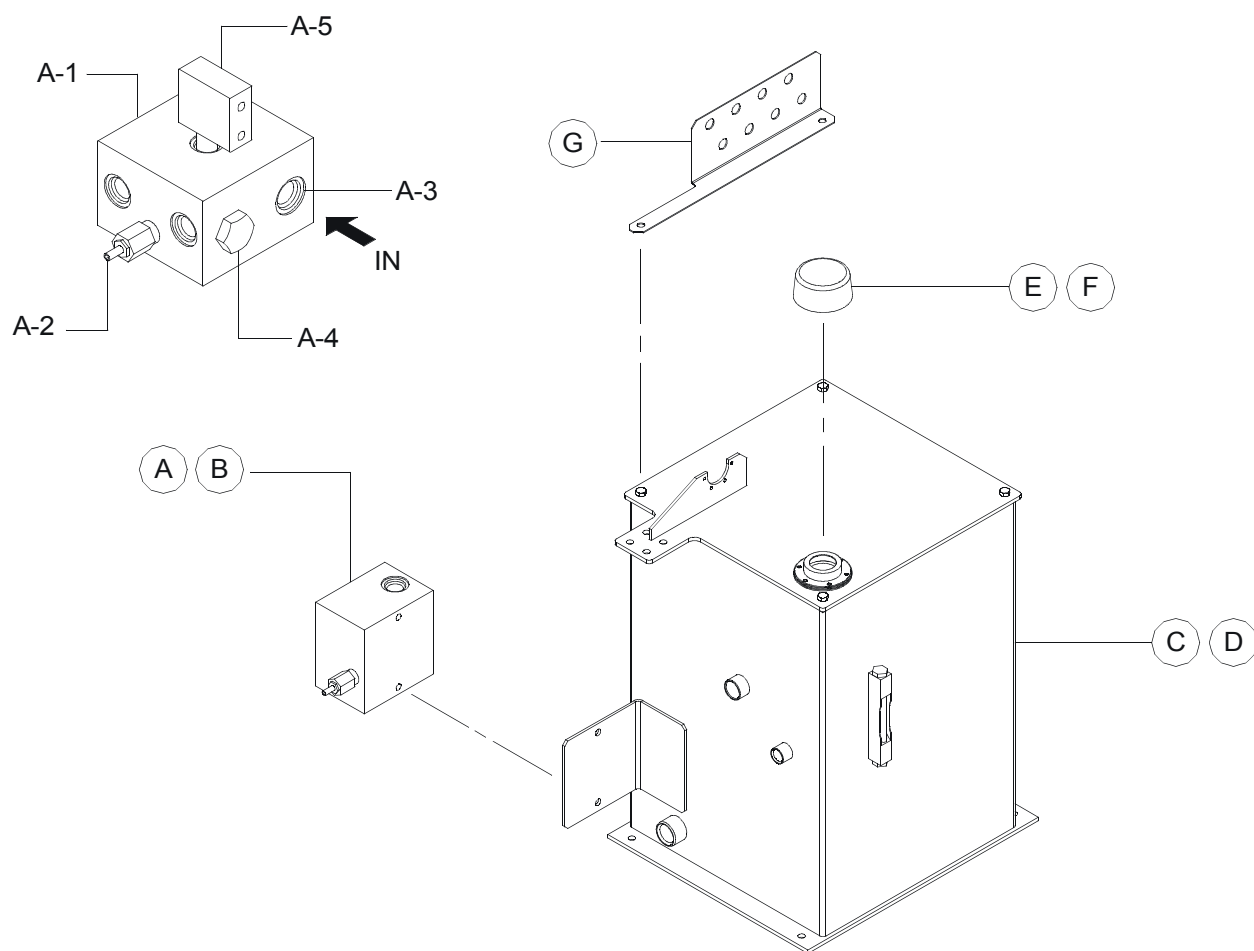


Hydraulic Fan Assembly



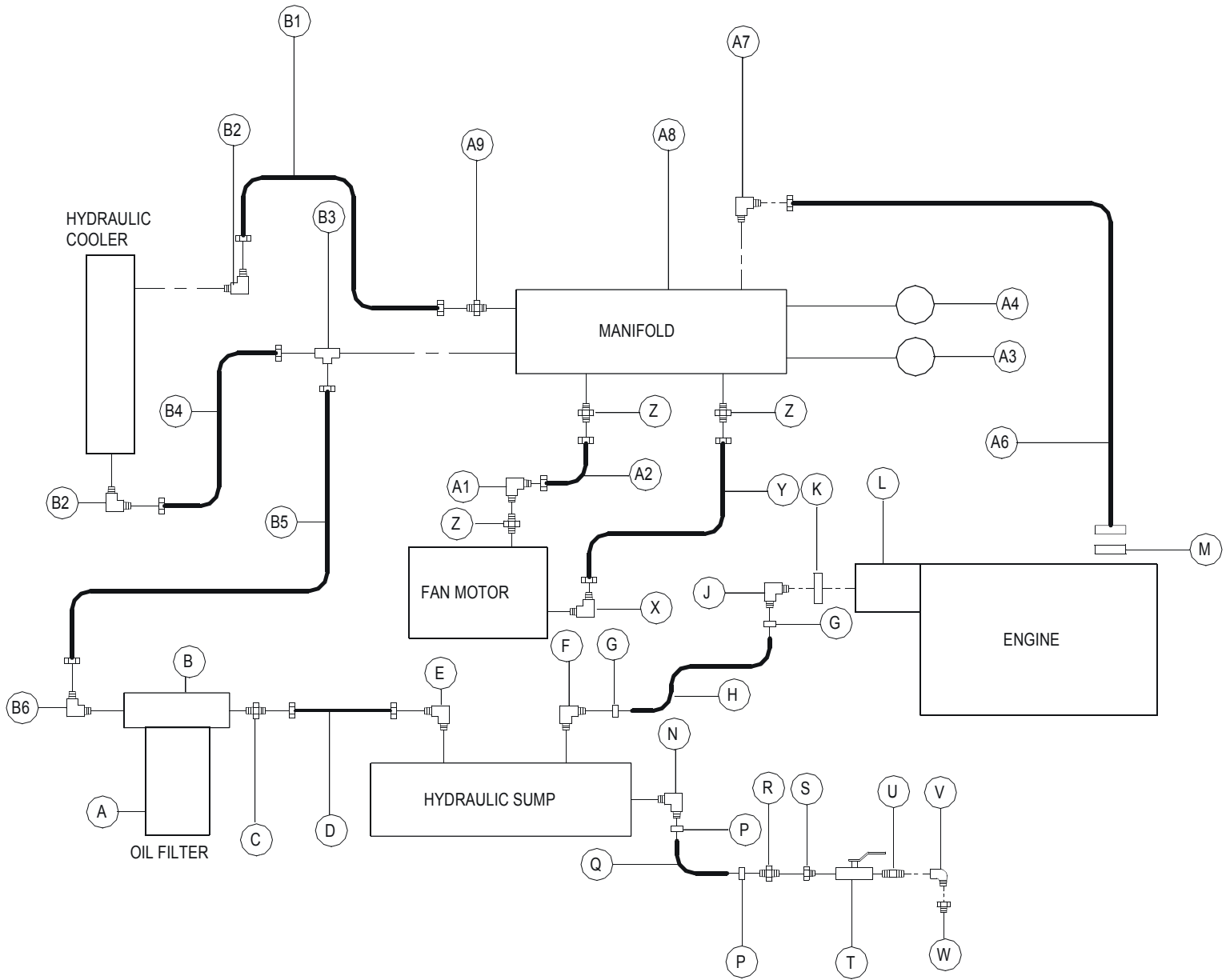
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54721188	Fan	1	
B	36863389	Bushing, Fan	1	
C	35321421	Key, Bushing	1	
D	43205327	Adapter, Overhung Load	1	
E	95955548	Screw	2	
F	54661442	Motor, Hydraulic Fan	1	
G	54597588	Support, Hydraulic Fan	1	
H	35279025	Screw	*	
J	54601620	Plate, Top	1	

Hydraulic Tank Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54603865	Relief Valve Assembly	1	
A-1	54631924	Block, Relief Valve	1	Not Illustrated
A-2	54661517	Cartridge, Adjustable Relief	1	Not Illustrated
A-3	54661525	Cartridge, Check Valve	1	Not Illustrated
A-4	54661541	Valve, Check	1	Not Illustrated
A-5	54661509	Valve, Proportional	1	Not Illustrated
	35279827	Elbow	1	Not Illustrated
	35367846	Nut, Swivel	1	Not Illustrated
	54661574	Isolator, Needle Valve Gauge	1	Not Illustrated
	54661566	Gauge, 0-3000 PSI	1	Not Illustrated
B	95934618	Screw	2	
C	54457072	Tank Assembly	1	
D	35279025	Screw	4	
E	43205384	Cap	1	
F	43205392	Gasket	1	
G	54576327	Bracket, Transducer	1	

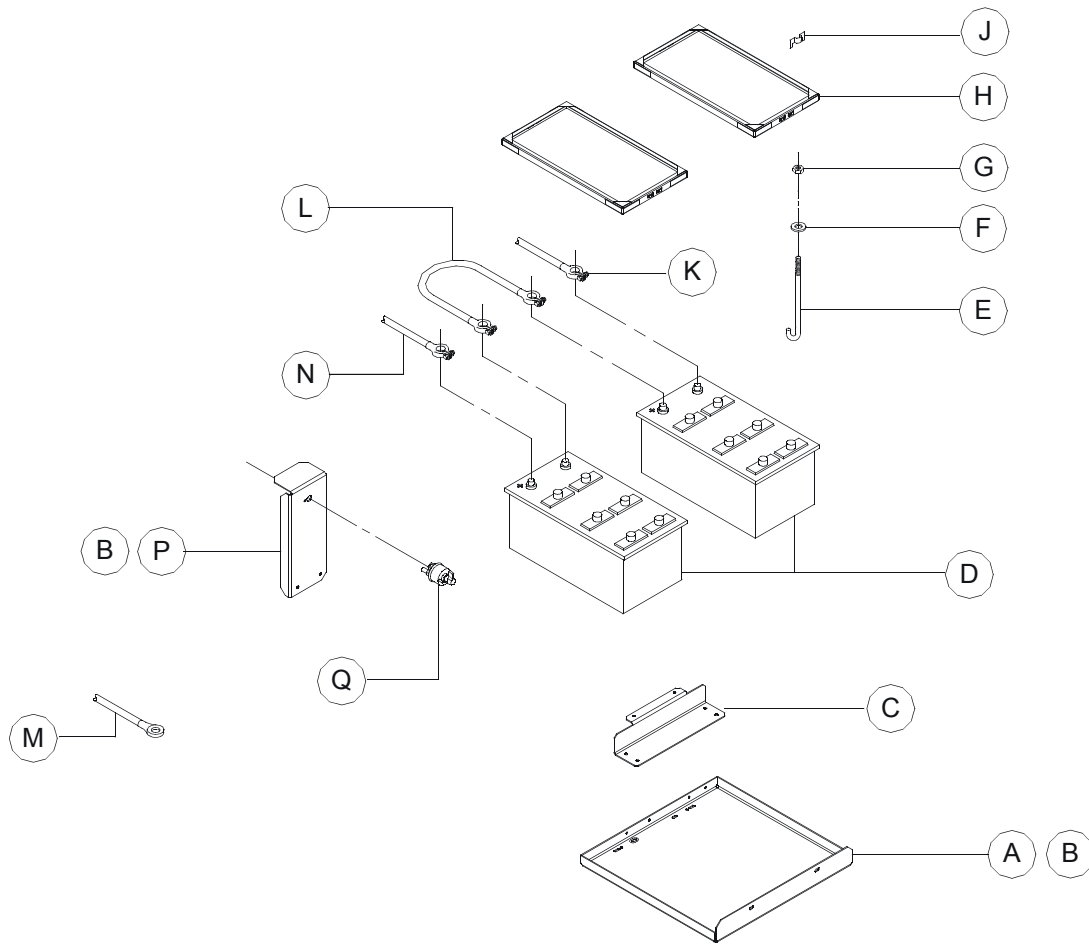
Hydraulic Piping



Hydraulic Piping

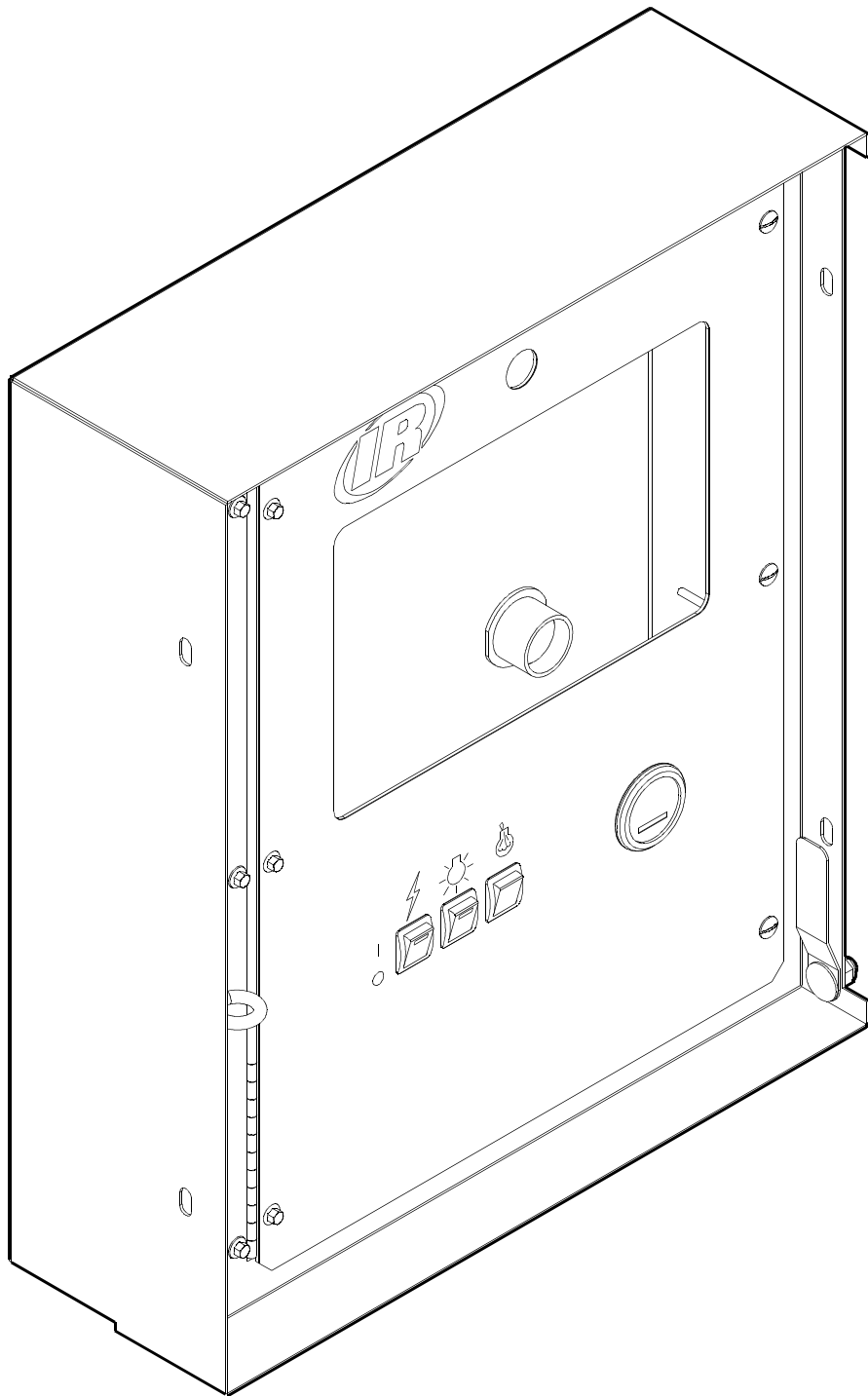
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	39911615	Element, Filter		
B	39871165	Head, Filter		
C	95356978	Connector		
D	54718697	Hose Assembly		
E	95219853	Elbow		
F	54603733	Elbow		
G	54603816	Clamp		
H	54603790	104" Hose		
J	54603782	Elbow		
K	54603758	Flange, Split		
L	54604343	Pump, Hydraulic		
M	54603766	Flange, Split		
N	35366665	Elbow		
P	95220844	Clamp		
Q	35326578	96" Hose		
R	35326560	Adapter		
S	95953949	Bushing		
T	35576115	Valve, Ball		
U	95647939	Nipple		
V	95928172	Elbow		
W	95944617	Bushing		
X	35291384	Elbow		
Y	54718705	Hose Assembly		
Z	95955993	Connector		
A1	35292051	Elbow		
A2	54718705	Hose Assembly		
A3	54661509	Valve, Proportional		
A4	54661566	Gauge		
A5	54661574	Isolator		
A6	54718721	Hose Assembly		
A7	35291384	Elbow		
A8	54603865	Manifold		
A9	35295880	Connector		
B1	54718788	Hose Assembly		
B2	35294750	Elbow		
B3	35332030	Tee		
B4	54718762	Hose Assembly		
B5	54718689	Hose Assembly		
B6	59798322	Elbow		

Battery and Mounting

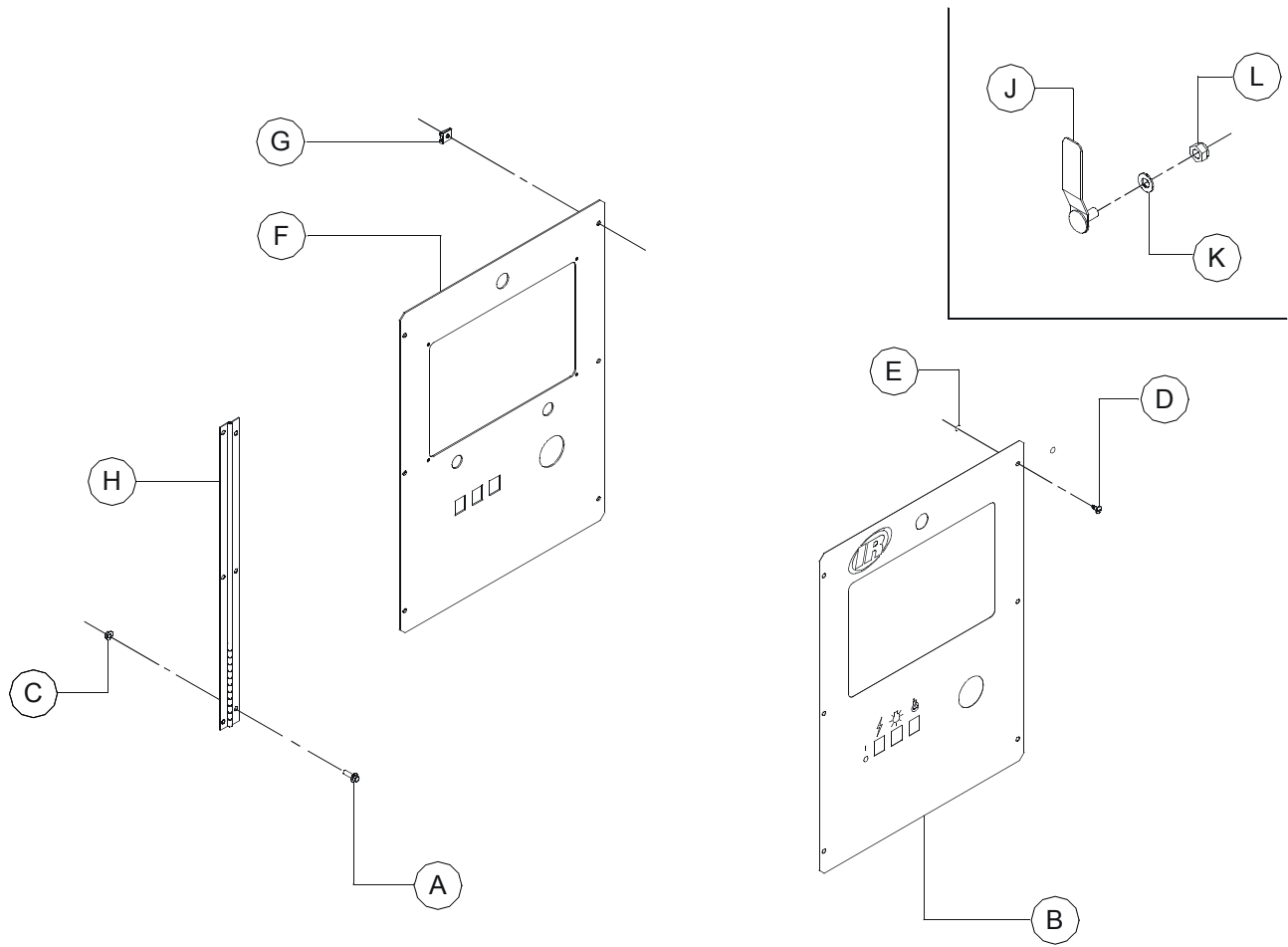


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54618640	Tray, Battery	1	
B	35279025	Screw	*	
C	54619952	Support, Tray	1	
D	35225788	Battery	2	
E	36860005	J-Bolt	4	
F	95935029	Washer	4	
G	35144492	Nut	4	
H	35562156	Hold-Down, Battery	2	
J	35108216	Clip	4	
K	54511258	Cable, Negative	1	
L	35128982	Cable, Jumper	1	
M	54511274	Cable, Positive	1	
N	54511282	Cable, Disconnect Switch	1	
P	54690789	Bracket, Master Disconnect Switch	1	
Q	36896975	Switch, Master Disconnect	1	
	54511241	Ground Strap From Starter	1	
	35293075	Ground Strap to RH of Engine	1	

Instrument / Control Panel Assembly

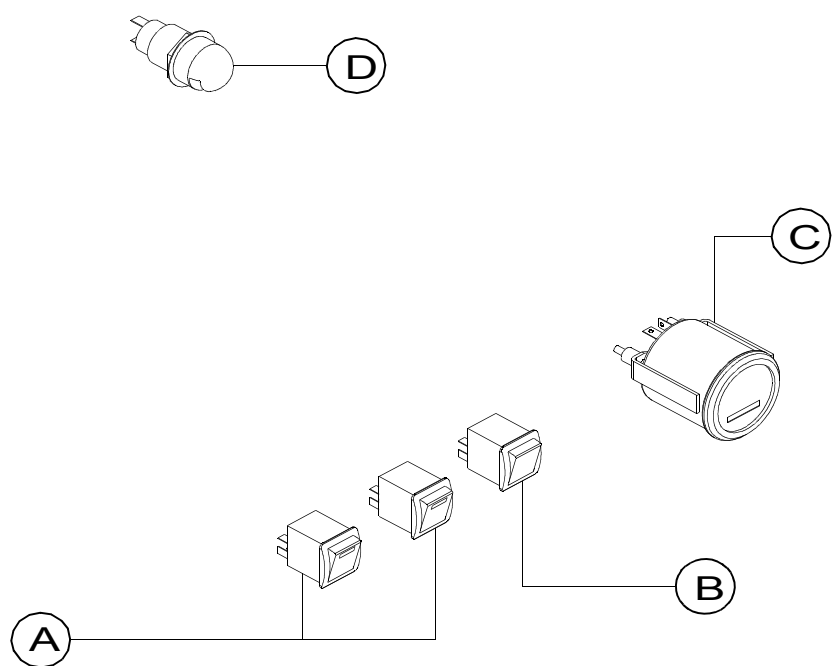


Instrument / Control Panel Mounting



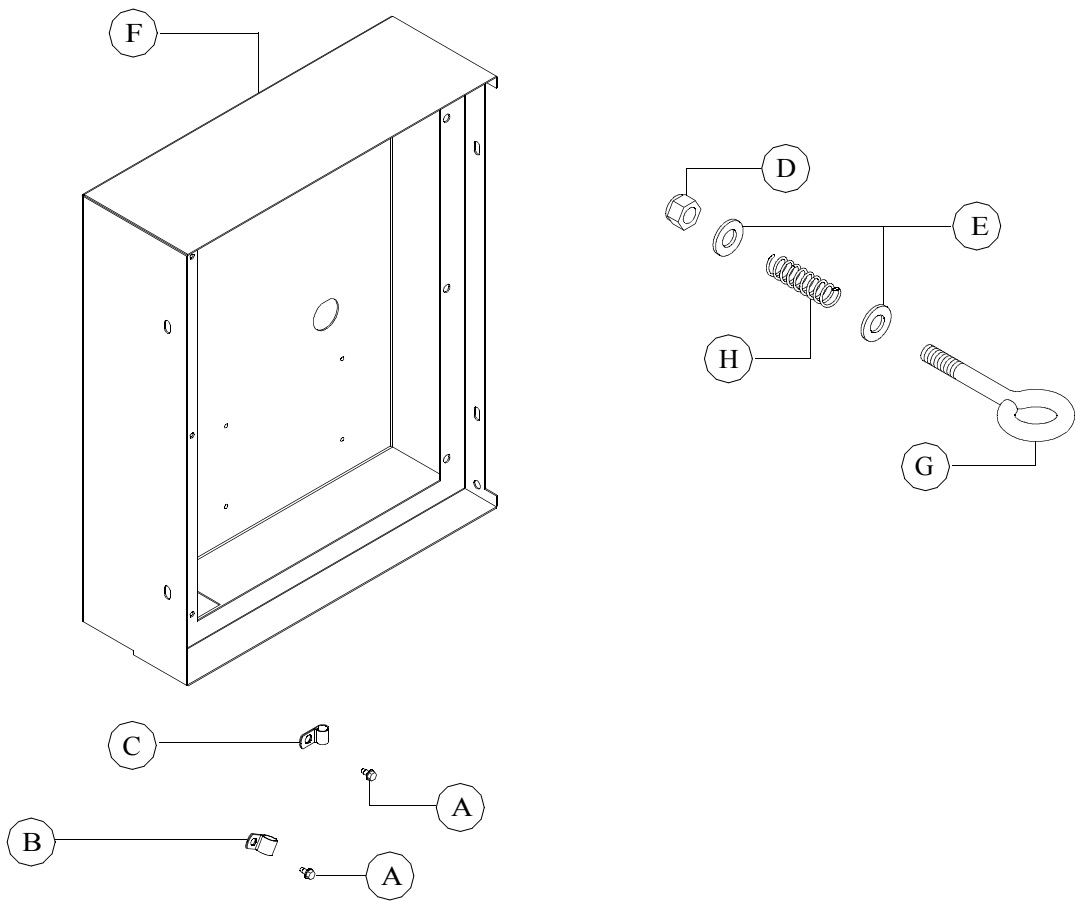
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36898096	Screw	6	
B	54631767	Laminate, Control Panel	1	
C	36898104	Nut	6	
D	36844124	Screw	3	
E	35369180	Retainer	3	
F	54631908	Panel, Control / Instrument	1	
G	35314582	Fastener	3	
H	36840908	Hinge	1	
J	35603349	Latch	1	
K	95935037	Washer	2	
L	35273366	Nut	1	

Instrument / Control Panel Mounting



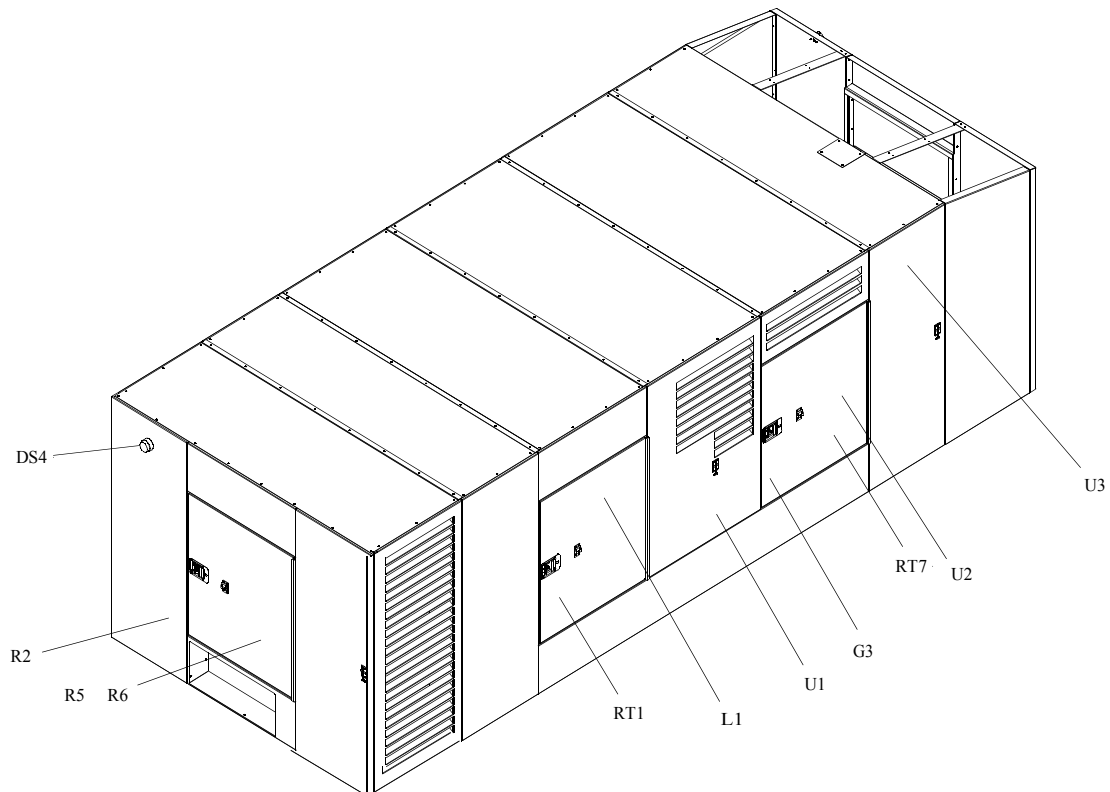
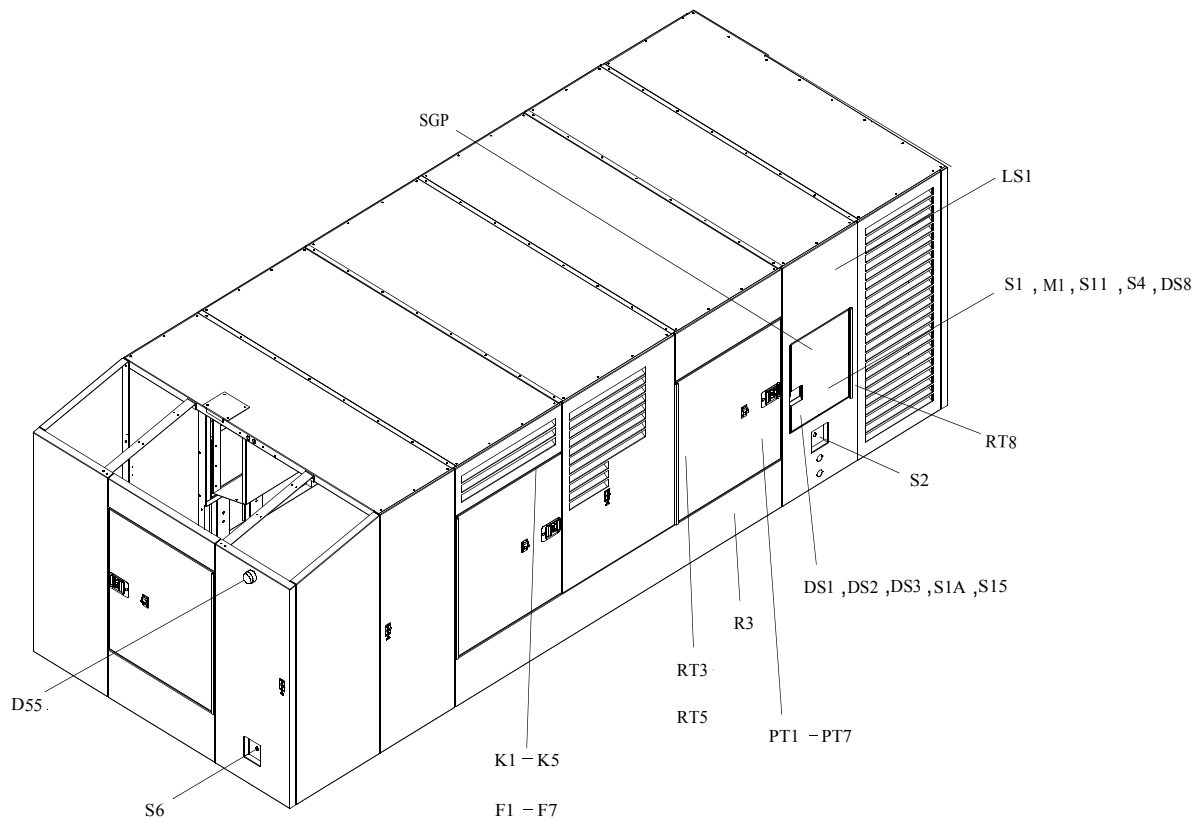
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54475686	Switch, Rocker	2	
B	54475777	Switch, Rocker	1	
C	36841245	Hourmeter	1	
D	36841252	Light, Control Panel	1	

Instrument / Control Panel Mounting

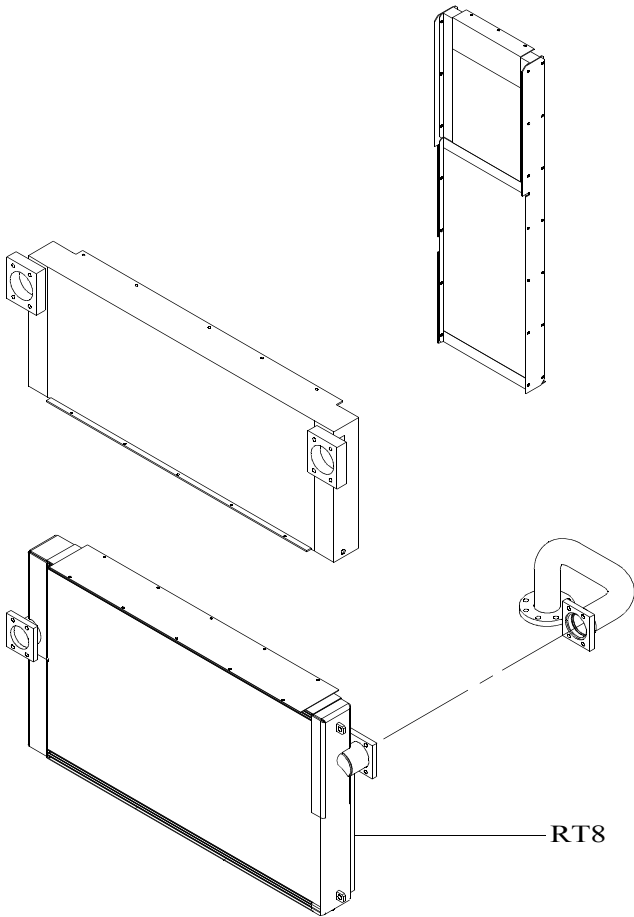


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36797652	Screw	6	
B	35225077	Clamp	1	
C	35225093	Clamp	1	
D	95923314	Nut	1	
E	95934998	Washer	1	
F	54621552	Box, Control Panel	1	
G	35327303	Bolt, Eye	1	
H	35327311	Spring	1	

Electrical Components Location

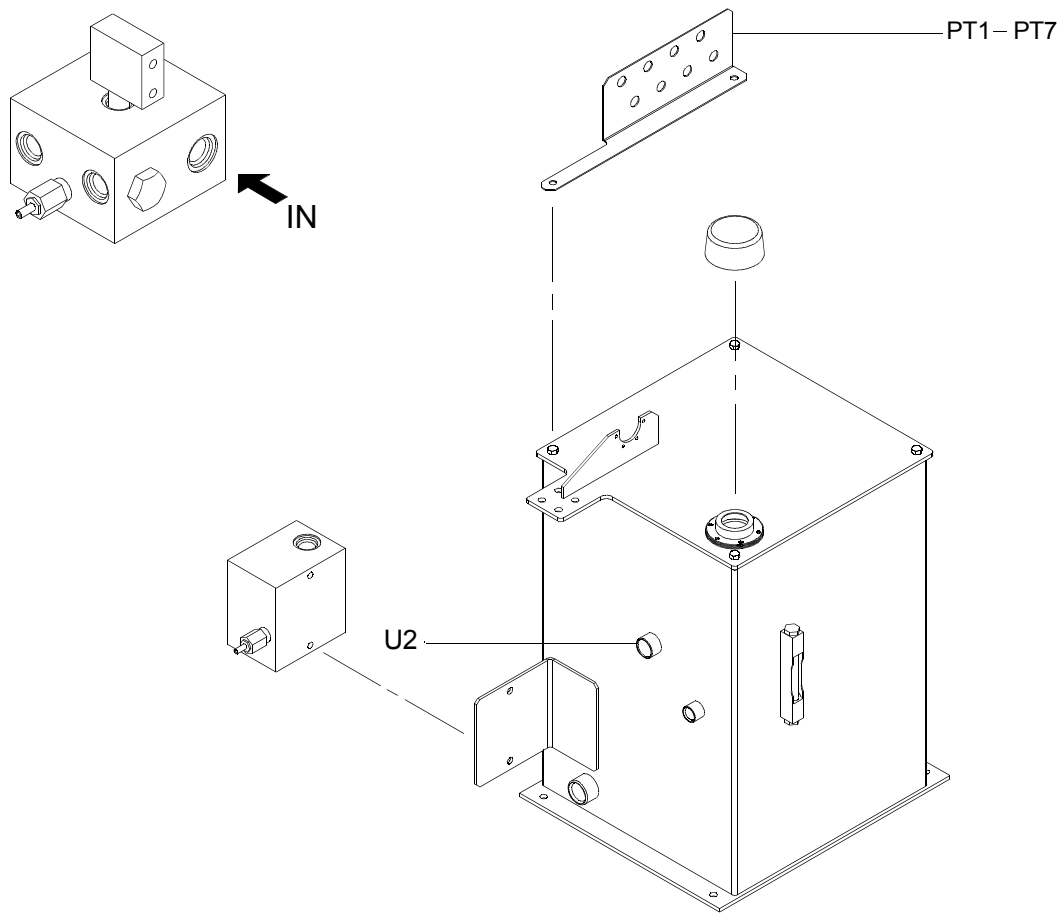


Electrical Components Location



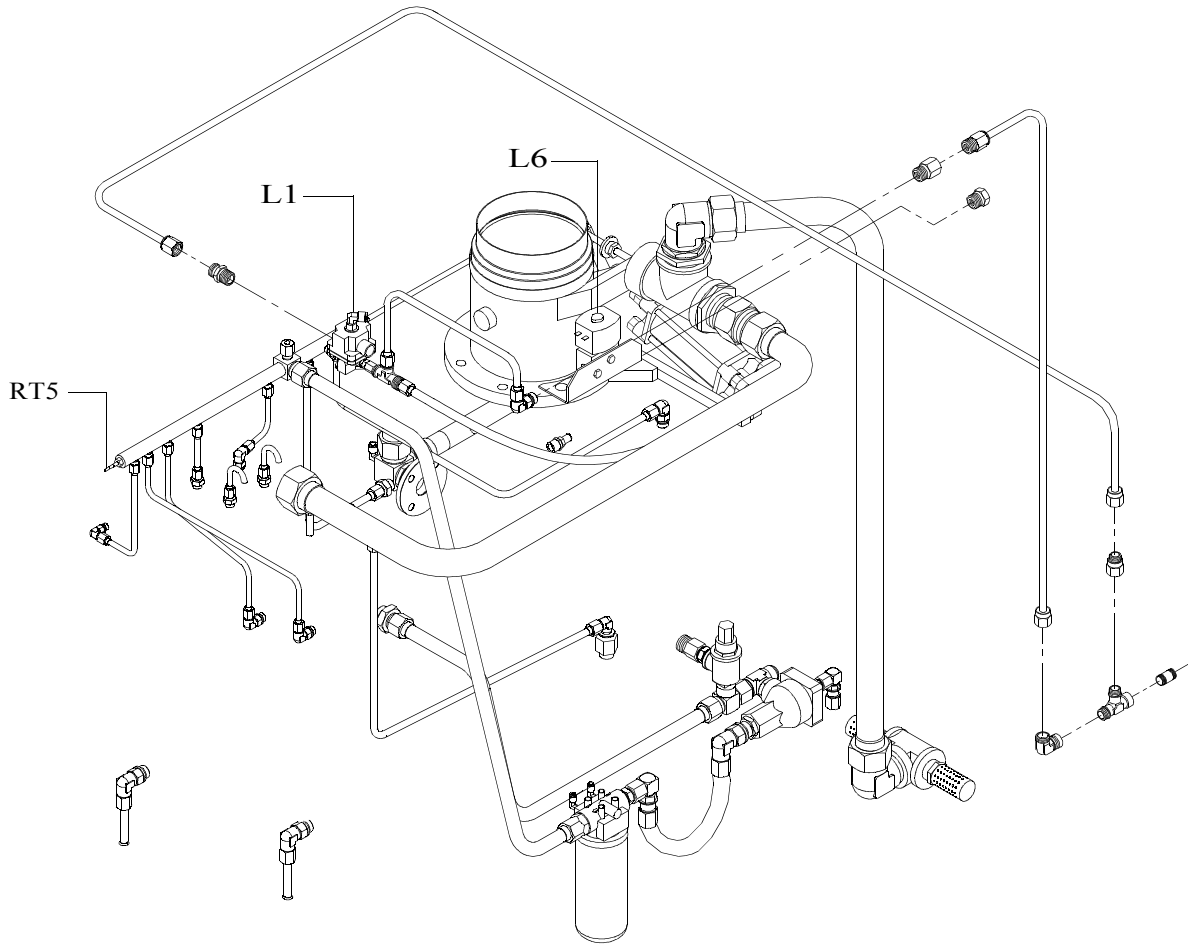
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
RT8	54557087	Sensor	1	

Electrical Components Location



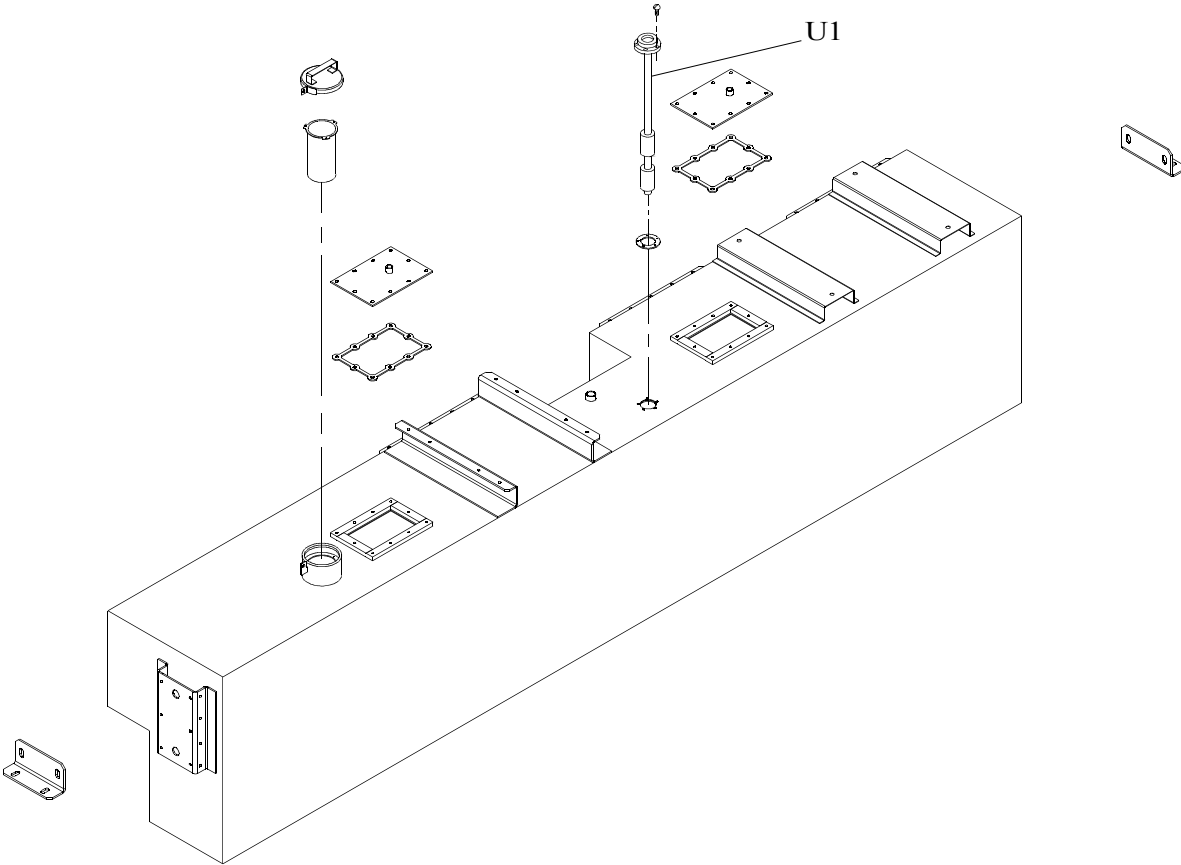
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
PT1	54757232	Transducer, 0-30 Vacuum	1	
PT2	36920825	Transducer, 0-100 Vacuum	1	
PT3	54496773	Transducer, 0-225 Vacuum	1	
PT4	54496773	Transducer, 0-225 Vacuum	1	
PT5	36920825	Transducer, 0-100 Vacuum	1	
PT6	36920825	Transducer, 0-100 Vacuum	1	
PT7	54496773	Transducer, 0-225 Vacuum	1	
U2	54581327	Transducer, Level	1	

Electrical Components Location



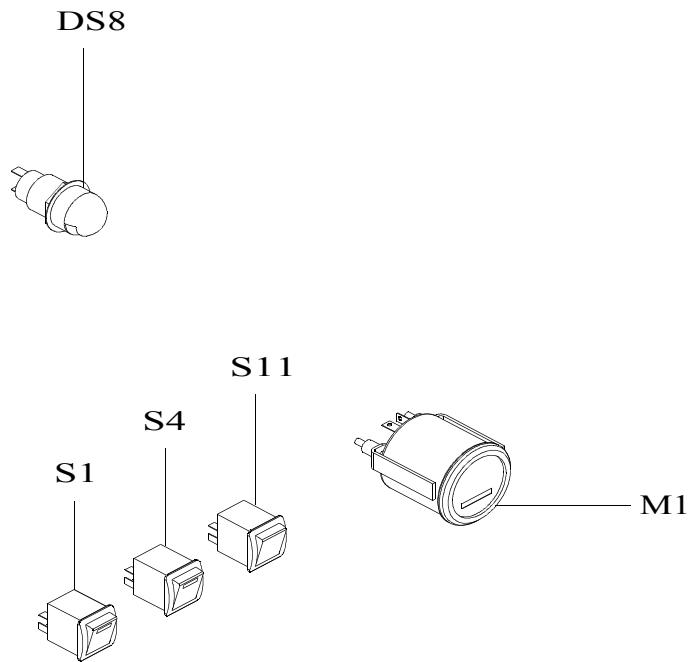
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L1	54512611	Valve, Solenoid	1	
L6	54512611	Valve Solenoid (with Option)	1	
RT5	54557087	Sensor	1	

Electrical Components Location



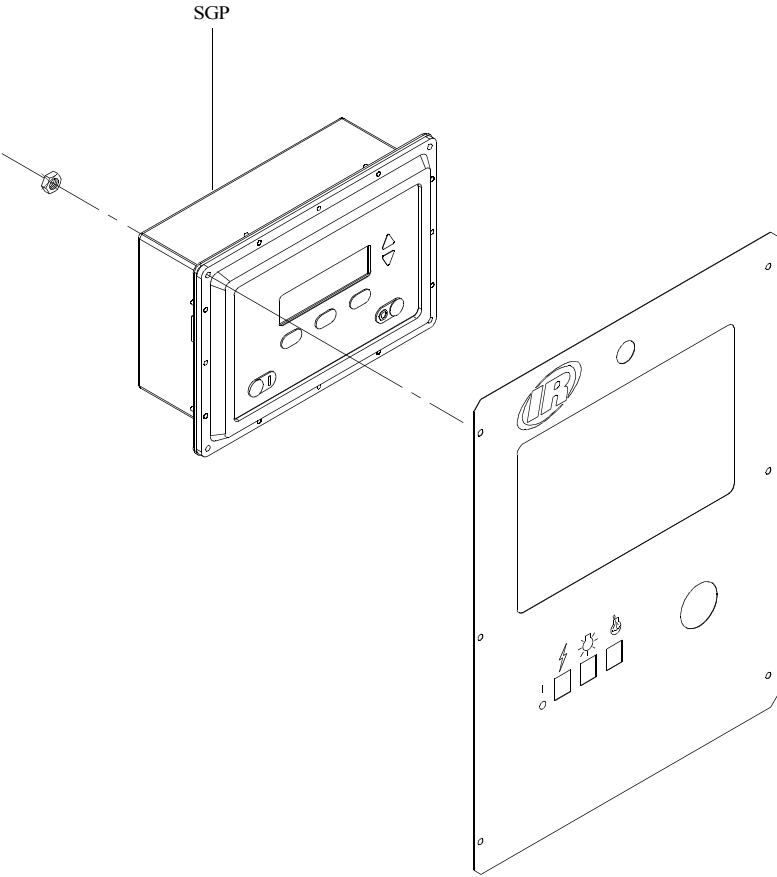
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
U1	36876845	Sender, Fuel	1	

Electrical Components Location



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
DS8	36841252	Light, Control Panel	1	
M1	36841245	Hourmeter	1	
S1	54475686	Switch, Rocker	1	
S4	54475686	Switch, Rocker	1	
S11	54475777	Switch, Rocker	1	

Electrical Components Location



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
SGP	54441753	Controller	1	

Control Panel Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S1, S4	54475686	Rocker Switch, Lighted		
S11	54475777	Rocker Switch, Momentary		
M1	36841245	Hourmeter		
	54441753	SGP Controller		
DS8	36841252	Panel, Light		
	35290089	Panel Light Bulb		
W2	54597497	Wiring Harness		
		Engine Diagnostic Panel:		
S14	54615091	Toggle Switch SPST		
S15	54615109	Toggle Switch SPST Momentary		
DS1	54615067	Red Lamp Indicator		
DS2	54615083	Amber Indicator Lamp		
DS3	54615075	Blue Indicator Lamp		

Enclosure Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
DS4, DS5	54477286	Strobe Light		
S2,S6	54494778	Estop Button		
LS1	36785145	Alarm Horn		

Hydraulic Tank Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
PT1	54496757	HG Vacuum Transducer		0-30 Inch.
PT2	36920825	Pressure Transducer		0-100 PSIG
PT3	54496773	Pressure Transducer		0-225 PSIG
PT4	54496773	Pressure Transducer		0-225 PSIG
PT5	36920825	Pressure Transducer		0-100 PSIG
PT6	36920825	Pressure Transducer		0-100 PSIG
PT7	54496773	Pressure Transducer		0-225 PSIG
U2	54581327	Level Transducer		

Engine Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
RT7	54557987	RTD		100 OHM
	35293075	Starter Ground Strap		
G3	36785319	Magnetic Pickup		

Radiator Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
U3	54474572	Coolant Level Switch		

Air End Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L1, L6	54512611	Inlet Solenoid		
L2, L3	36842318	Condensate Solenoids		
RT1	54557087	RTD		100 OHM
RT2	54557087	RTD		100 OHM
RT3	54557087	RTD		100 OHM
RT4	54557087	RTD		100 OHM
RT5	54557095	Thermister		10K OHM
RT6	54557095	Thermister		10K OHM

Cooler Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
RT8	54557087	RTD		100 OHM

Frame Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S8	36896975	Battery Disconnect Switch		
	35128982	Battery Jumper Cable		
	54658331	Positive Battery Cable		
	54511282	Positive Battery Jumper Cable		
	54658323	Negative Battery Cable		
	54511241	Frame Ground Strap		
U1	36842011	Fuel Level Sender		
D1-D6	35376169	Diode		
W1	22079180	Chassis Harness		
		Power Distribution Box:		
	54631312	Power Distribution Box (Includes W-3 Harness)		
D1	35376169	Diode		
K1	35577873	Auxiliary Start Relay		
K2	36892362	Relay, SPDT		24 Volt DC
K3	36892362	Relay, SPDT		24 Volt DC
K4	36892362	Relay, SPDT		24 Volt DC
K5	36892362	Relay, SPDT		24 Volt DC
F1,F2,F3	22071591	Fuse, 10amp		
F4	36793651	Fuse 25amp		
F5,F6,F7	22071575	Fuse 15amp		

Frame Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S8	36896975	Battery Disconnect Switch		
	35128982	Battery Jumper Cable		
	54658331	Positive Battery Cable		
	54511282	Positive Battery Jumper Cable		
	54658323	Negative Battery Cable		
	54511241	Frame Ground Strap		
U1	36842011	Fuel Level Sender		
D1-D6	35376169	Diode		
W1	22079180	Chassis Harness		
		Power Distribution Box:		
	54631312	Power Distribution Box (Includes W-3 Harness)		
D1	35376169	Diode		
K1	35577873	Auxiliary Start Relay		
K2	36892362	Relay, SPDT		24 Volt DC
K3	36892362	Relay, SPDT		24 Volt DC
K4	36892362	Relay, SPDT		24 Volt DC
K5	36892362	Relay, SPDT		24 Volt DC

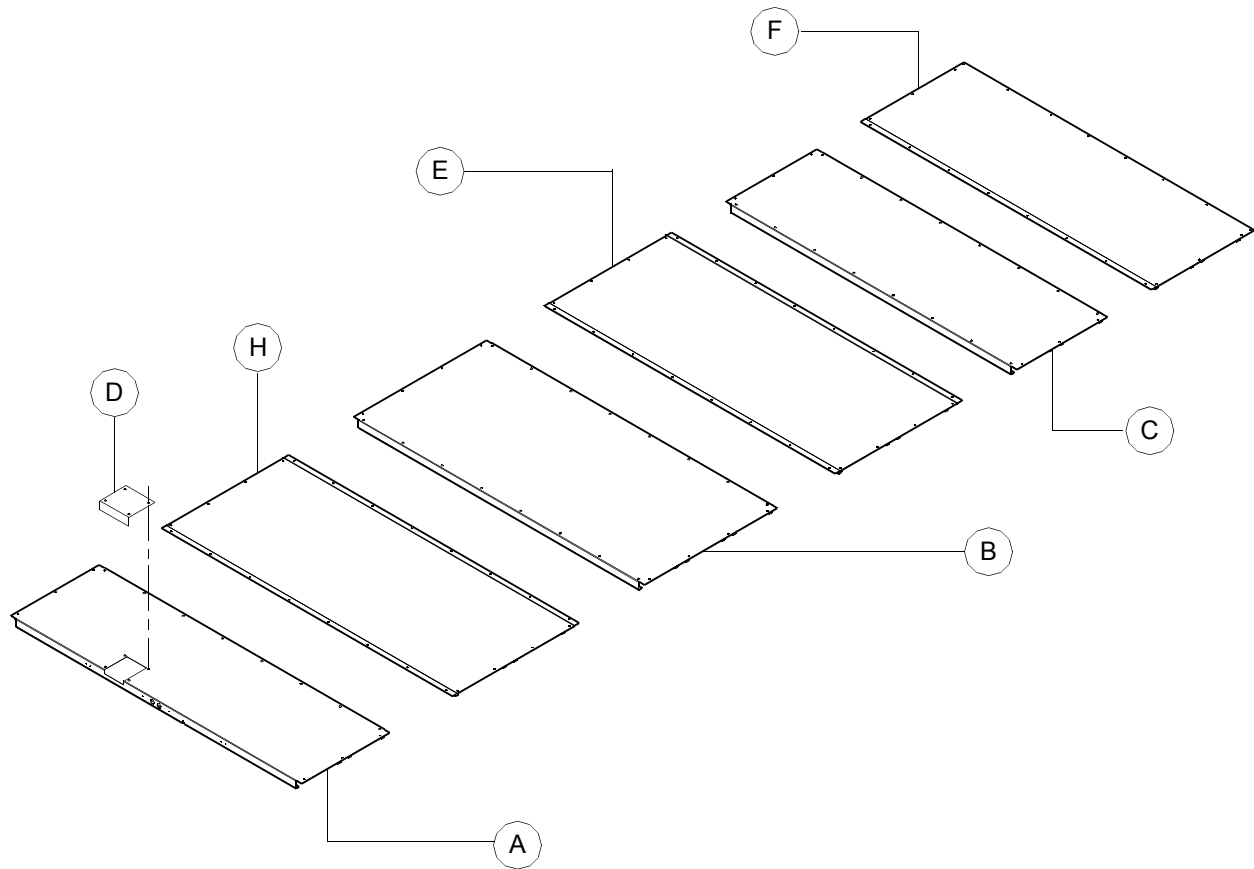
Frame Located Devices

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S8	36896975	Battery Disconnect Switch		
	35128982	Battery Jumper Cable		
	54658331	Positive Battery Cable		
	54511282	Positive Battery Jumper Cable		
	54658323	Negative Battery Cable		
	54511241	Frame Ground Strap		
U1	36842011	Fuel Level Sender		
D1-D6	35376169	Diode		
W1	54631791	Chassis Harness		
W4	54631809	Alarm Harness		
		Power Distribution Box:		
	54631312	Power Distribution Box (Includes W-3 Harness)		
D1	35376169	Diode		
F1,F2,F3	22071519	10 AMP		
F4	36793651	25 AMP		
F5,F6,F7	22071517	15 AMP		
K1	35577873	Auxillary Start Relay		
K2	36892362	Relay, SPDT		24 Volt DC
K3	36892362	Relay, SPDT		24 Volt DC
K4	36892362	Relay, SPDT		24 Volt DC
K5	36892362	Relay, SPDT		24 Volt DC

Frame Located Devices

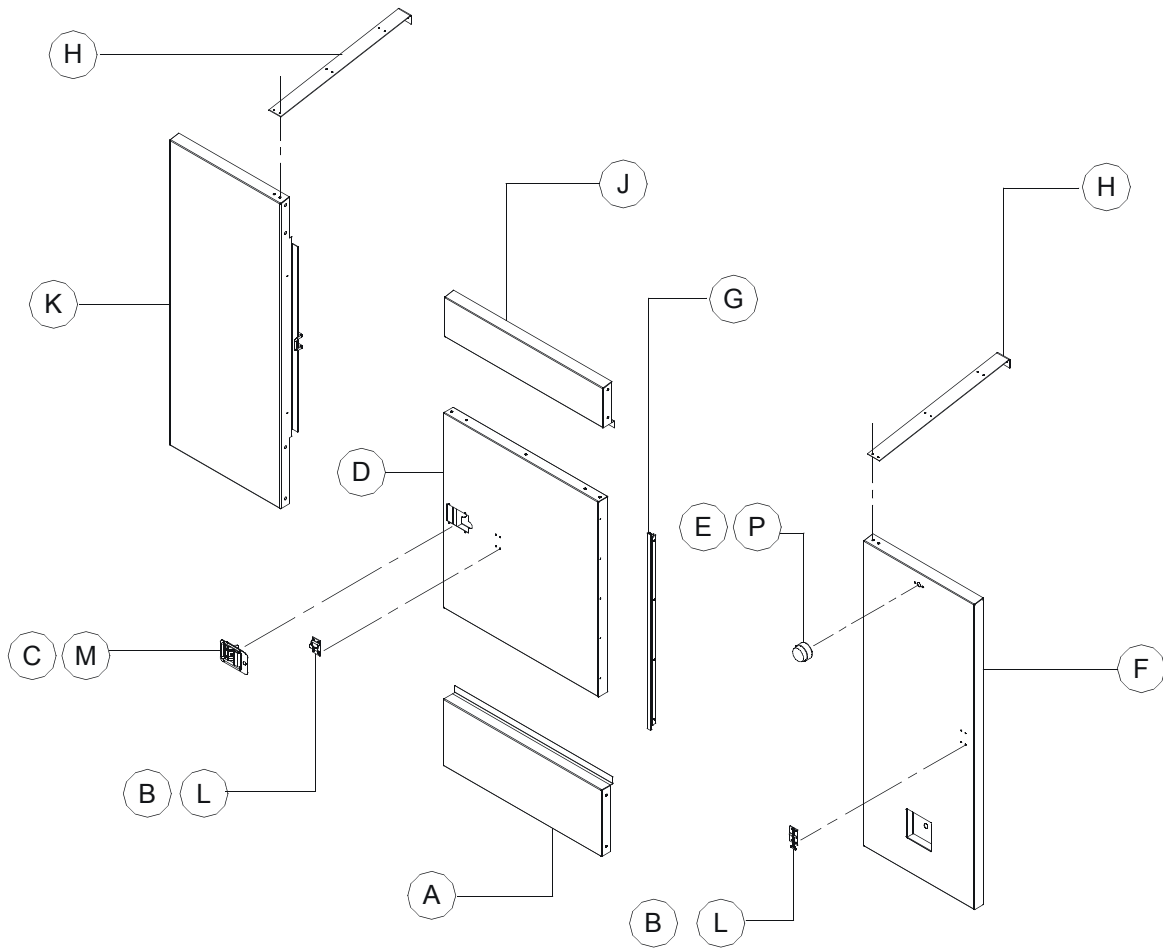
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S8	36896975	Battery Disconnect Switch		
	35128982	Battery Jumper Cable		
	54658331	Positive Battery Cable		
	54511282	Positive Battery Jumper Cable		
	54658323	Negative Battery Cable		
	54511241	Frame Ground Strap		
U1	36842011	Fuel Level Sender		
D1 - D6	35376169	Diode		
W1	22079180	Chassis Harness		
		Power Distribution Box:		
	54631312	Power Distribution Box (Includes W-3 Harness)		
D1	35376169	Diode		
F1,F2,F3	22071591	10 AMP		
F4	36793651	25 AMP		
F5, F6, F7	22071575	15 AMP		
K1	35577873	Auxillary Start Delay		
K2	36892362	Relay, SPDT		24 Volt DC
K3	36892362	Relay, SPDT		24 Volt DC
K4	36892362	Relay, SPDT		24 Volt DC
K5	36892362	Relay, SPDT		24 Volt DC

Enclosure Top Panels



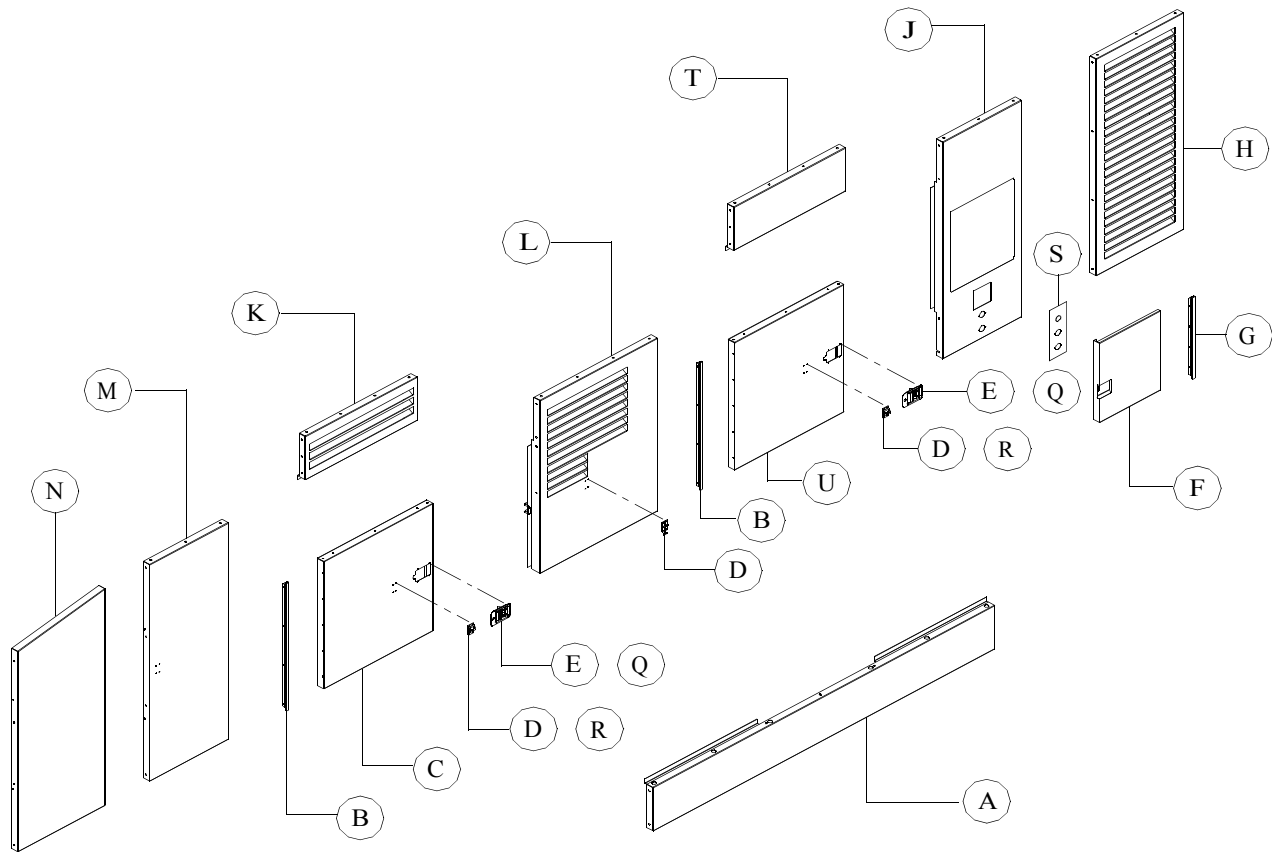
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36924231	Panel, Front Top	1	As Required
B	36924223	Panel, 3rd Top	1	
C	36924207	Panel, 5th Top	1	
D	35924256	Cover, Radiator Fill	1	
E	36924215	Panel, 4th Top	1	
F	36924199	Panel, Rear Top	1	
G	36889608	Screw, Top Panel		
H	22892517	Panel, 2nd Top	1	

Enclosure Front Panels



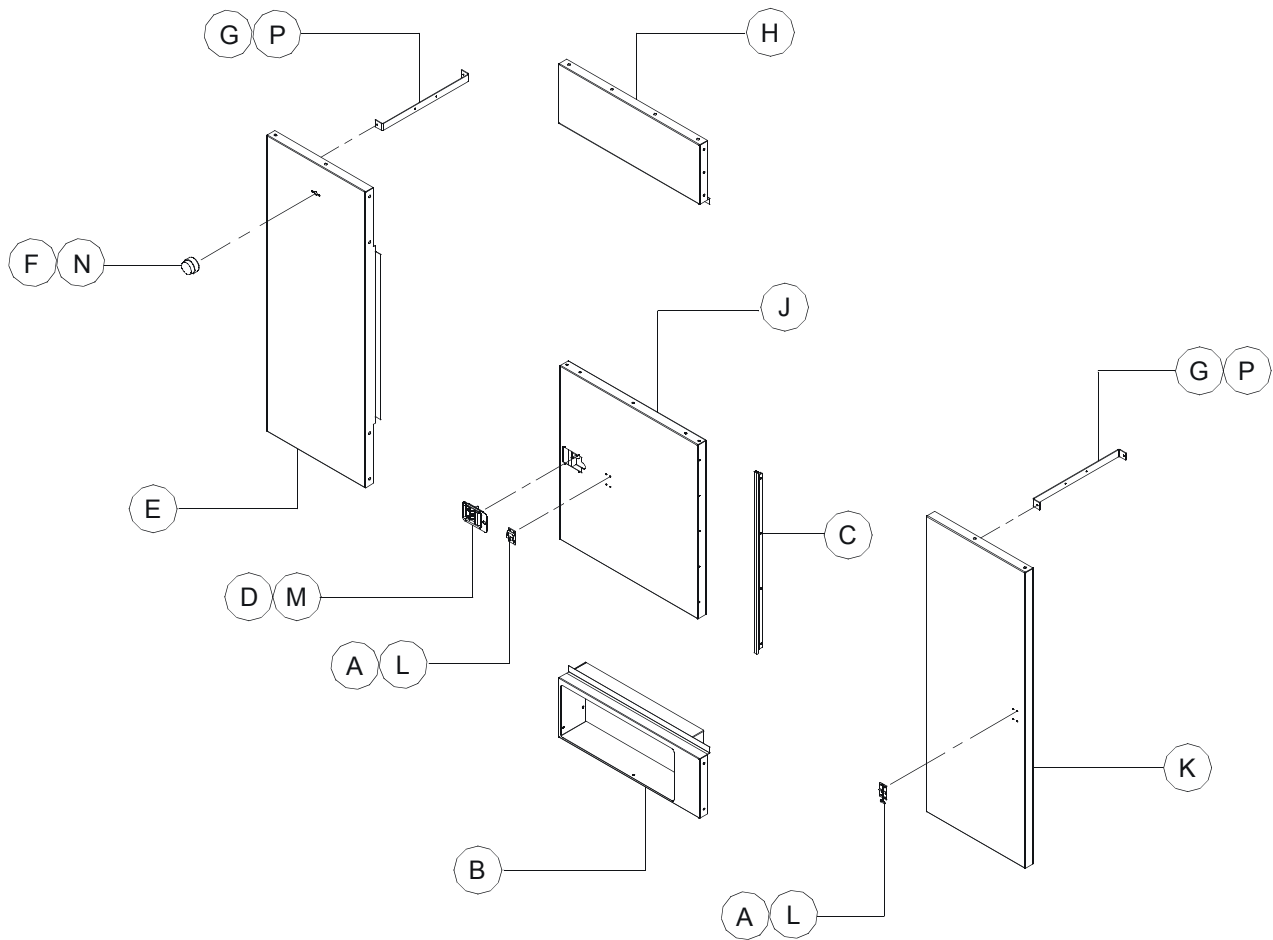
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36924249	Panel, Front Bottom	1	
B	54485404	Latch, Tee	1	
C	36793602	Latch, Slam	1	
D	54483722	Door, Front	1	
E	54477286	Light, Amber Warning	1	
F	36924017	Panel, Street Side Front	1	
G	54373113	Hinge, Door	1	
H	54461736	Strap, Support	2	
J	36924066	Panel, Front Top	1	
K	36924009	Panel, Curb Side Front	1	
L	36843282	Rivet	8	
M	36794816	Rivet	4	
N	35279025	Screw	*	
P	96702055	Screw	4	

Enclosure Side Panels



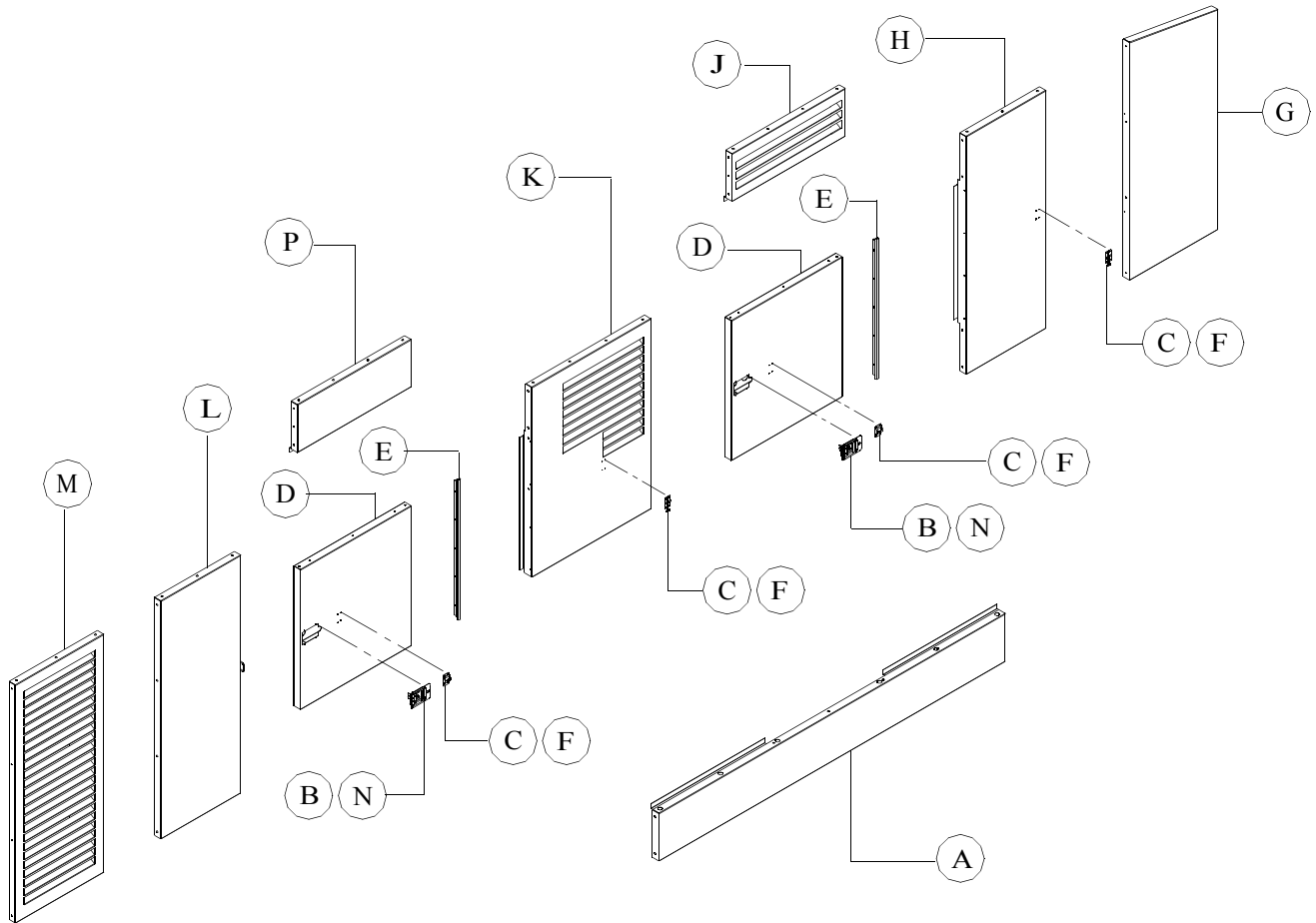
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36924280	Panel, Bottom Center	1	
B	54373113	Hinge, Door	1	
C	54483722	Door, Street Side	1	
D	54485404	Latch, Tee	1	
E	36793602	Latch, Slam	1	
F	54621560	Door, Control Panel	1	
G	54623889	Hinge, Door	1	
H	36924074	Panel, Rear Grill	1	
J	54737820	Panel, Control Door	1	
K	22892665	Vent, CAC Air Inlet	1	
L	54656194	Panel, Center Grill	1	
M	36924140	Panel, Second Front	1	
N	36924165	Panel, Front Side	1	
P	35279025	Screw	*	
Q	36794816	Rivet	8	
R	36843282	Rivet	12	
S	54737838	Plate, Receptacle	1	120 Volt / 60 Hz
T	36924058	Panel, Top Door	1	
U	22566715	Door, Literature Pouch	1	
	54737846	Plate, Receptacle	1	240 Volt / 50 Hz
	39249875	Seal, Door (Around Edge of Each Door)	*	

Enclosure Rear Panels



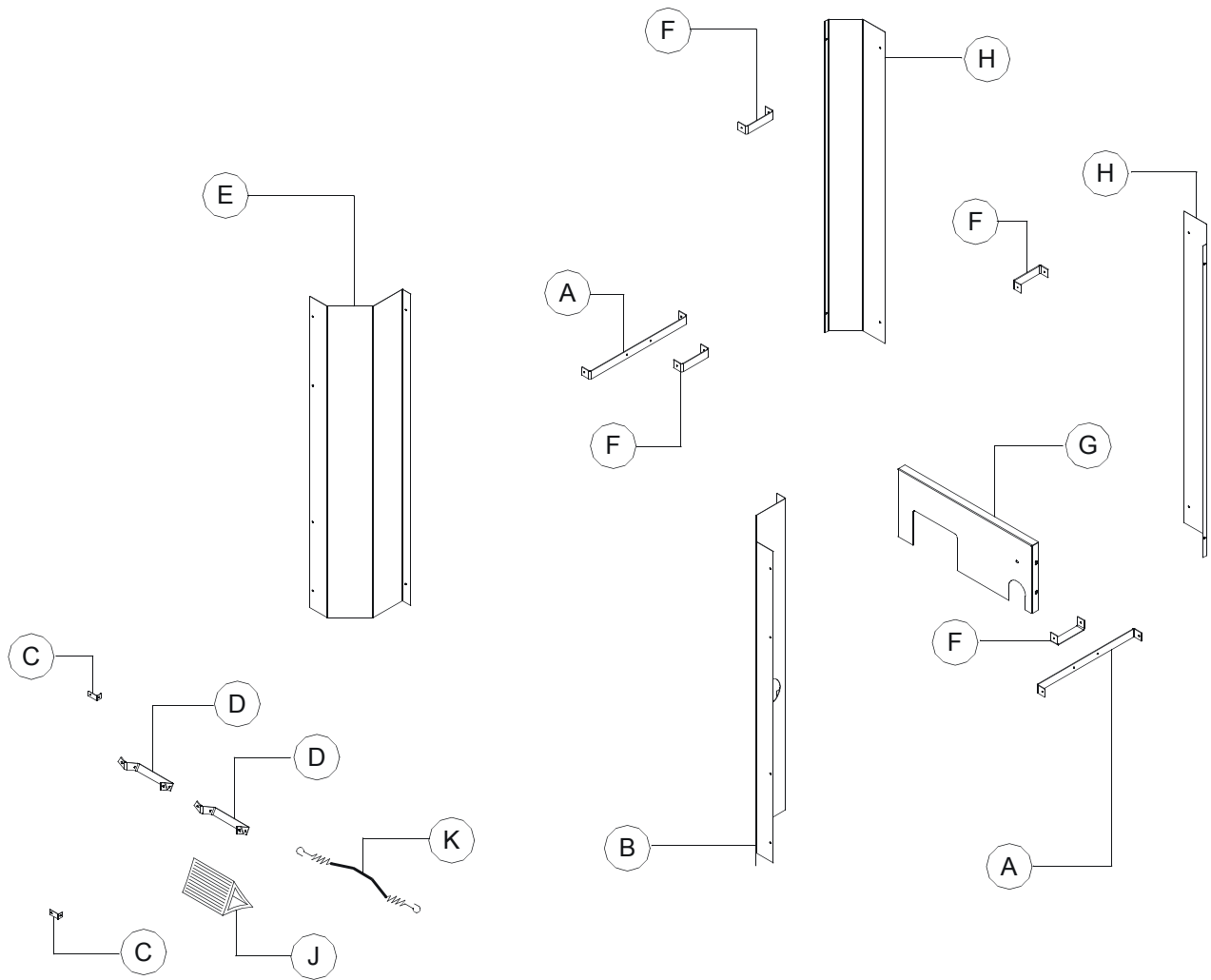
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54485404	Latch, Tee	1	
B	22620678	Panel, Service Access	1	
C	54373113	Hinge, Door	1	
D	36793602	Latch, Slam	1	
E	22620637	Panel, Street Side Rear	1	
F	54477286	Light, Amber Warning	1	
G	54430855	Strap, Rear Support	1	
H	22620652	Panel, Rear Middle Top	1	
J	54483722	Door, Rear	1	
K	22620645	Panel, Curb Side Rear	1	
L	36843282	Rivet	8	
M	36794816	Rivet	4	
N	96702055	Screw	2	
P	36797652	Screw	4	
Q	35279025	Screw	*	

Enclosure Side Panels



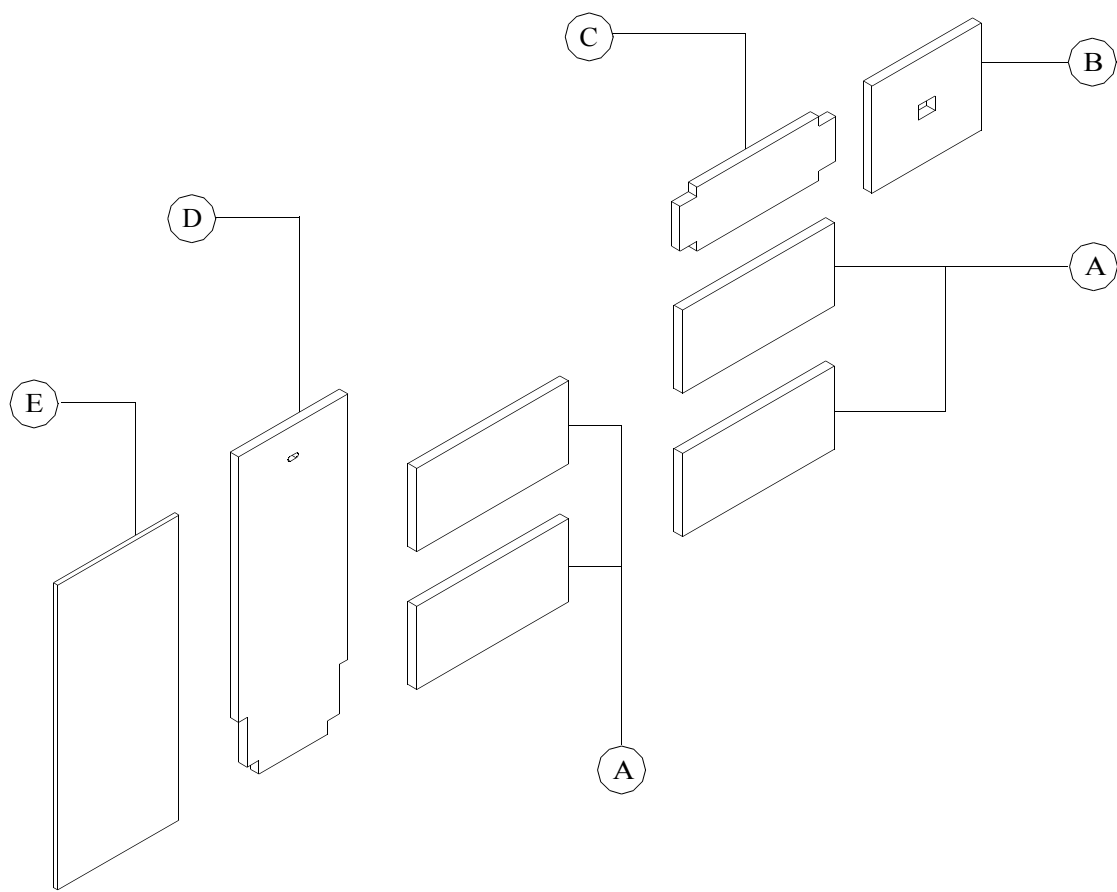
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36924280	Panel, Bottom Center	1	
B	36793602	Latch, Slam	1	
C	54485404	Latch, Tee	1	
D	54483722	Door, Side	2	
E	54373113	Hinge, Door	1	
F	36843282	Rivet	12	
G	36924157	Panel, Curb Side Front	1	
H	36924132	Panel, Curb Side Second	1	
J	22895452	Vent, CAC Air Inlet	1	
K	54656202	Panel, Center Grill	1	
L	36924090	Panel, Rear Side	1	
M	36924074	Panel, Rear Grill	1	
N	36794816	Rivet	8	
P	36924058	Panel, Top Door	1	

Enclosure Internal Panels



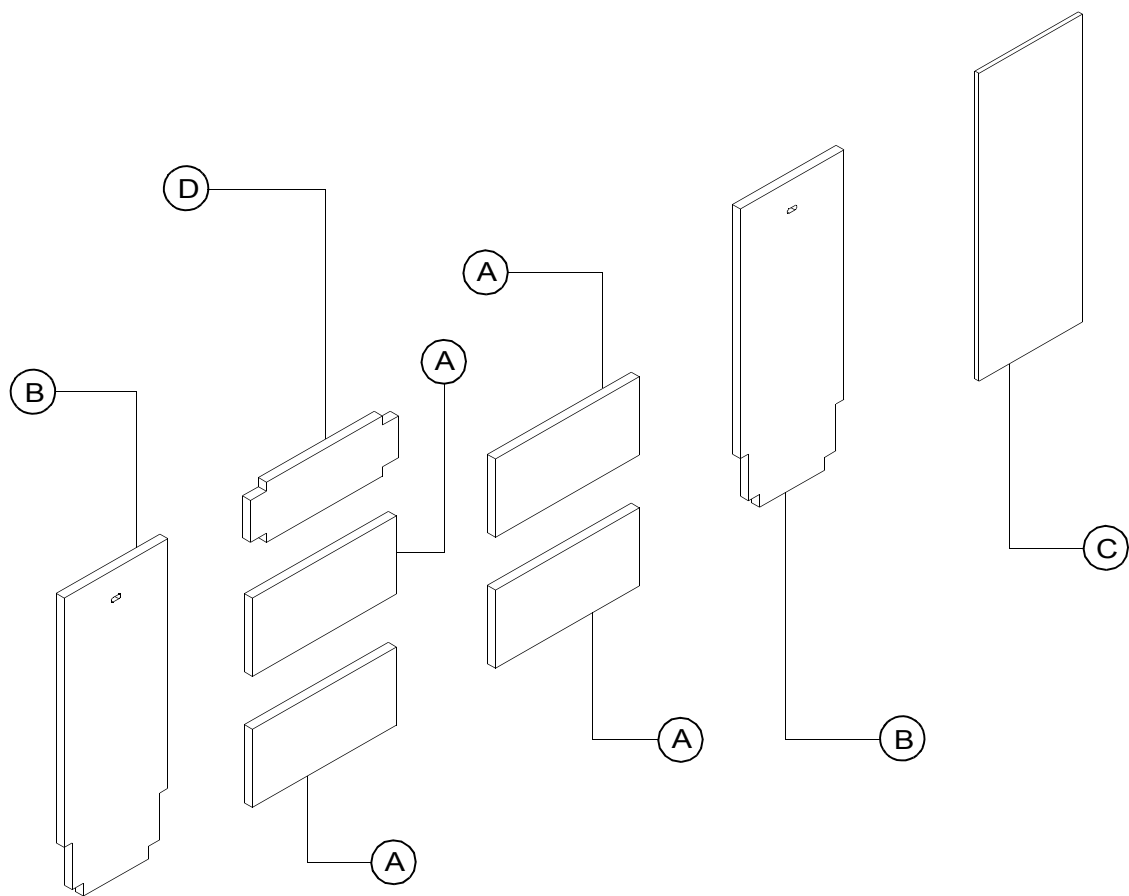
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54430855	Bracket, Support	1	
B	54656228	Baffle, Street Side Intake	1	
C	54656269	Strap, Front Foam	1	
D	35603661	Bracket, Wheel Chock	1	
E	54656210	Baffle, Curb Side Intake	1	
F	54656244	Support, Intake	1	
G	54690771	Cover, Intake	1	
H	54656236	Baffle, Rear Intake	1	
J	35603190	Chock, Wheel	2	
K	35333830	Strap, Wheel Chock	2	

Side Foam



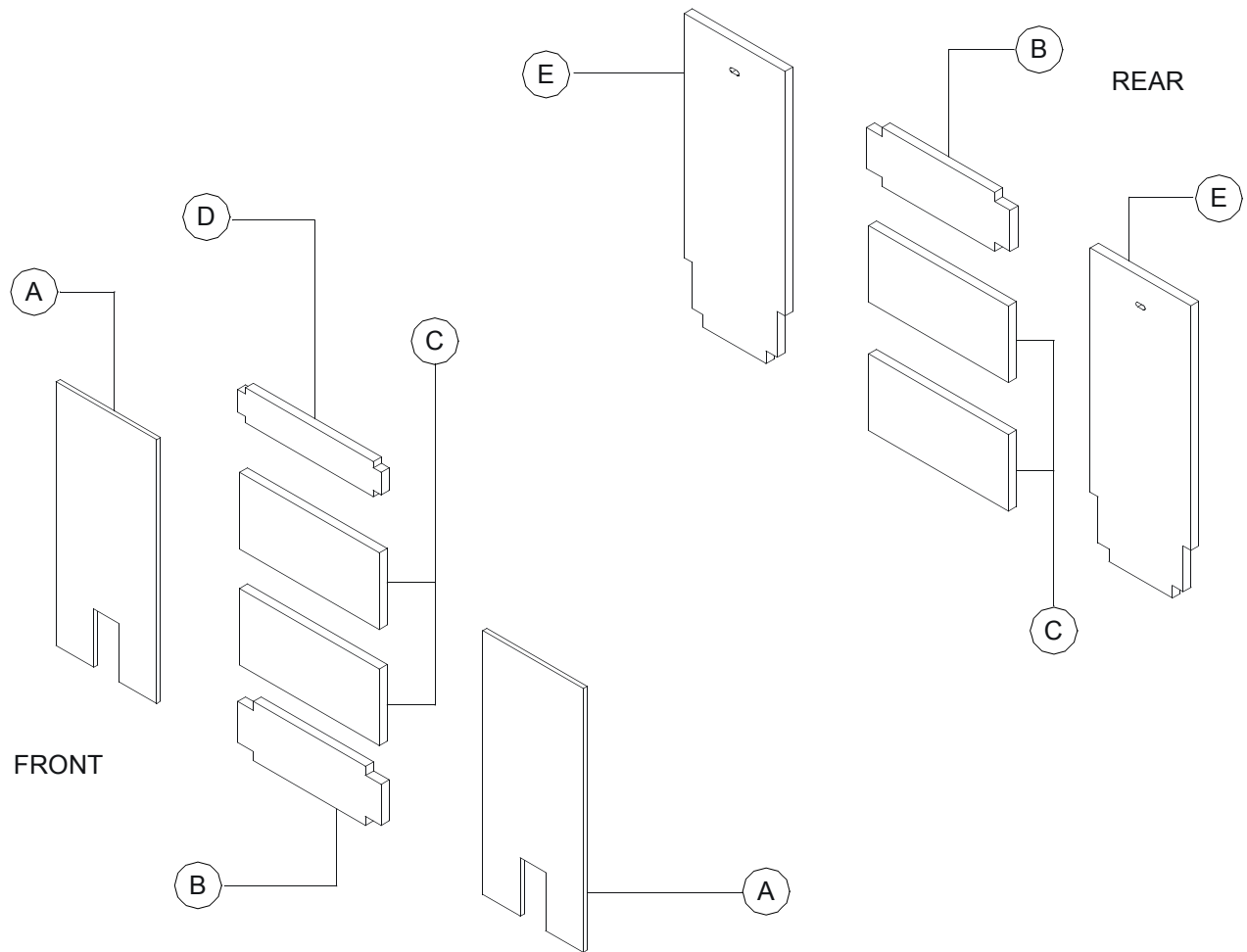
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659107	Foam, Door	1	
B	54659131	Foam, Above Control Panel	1	
C	54659099	Foam, Above Door	1	
D	54659040	Foam, Second Panel	1	
E	54652425	Fiberglass, Front Panel	1	

Side Foam



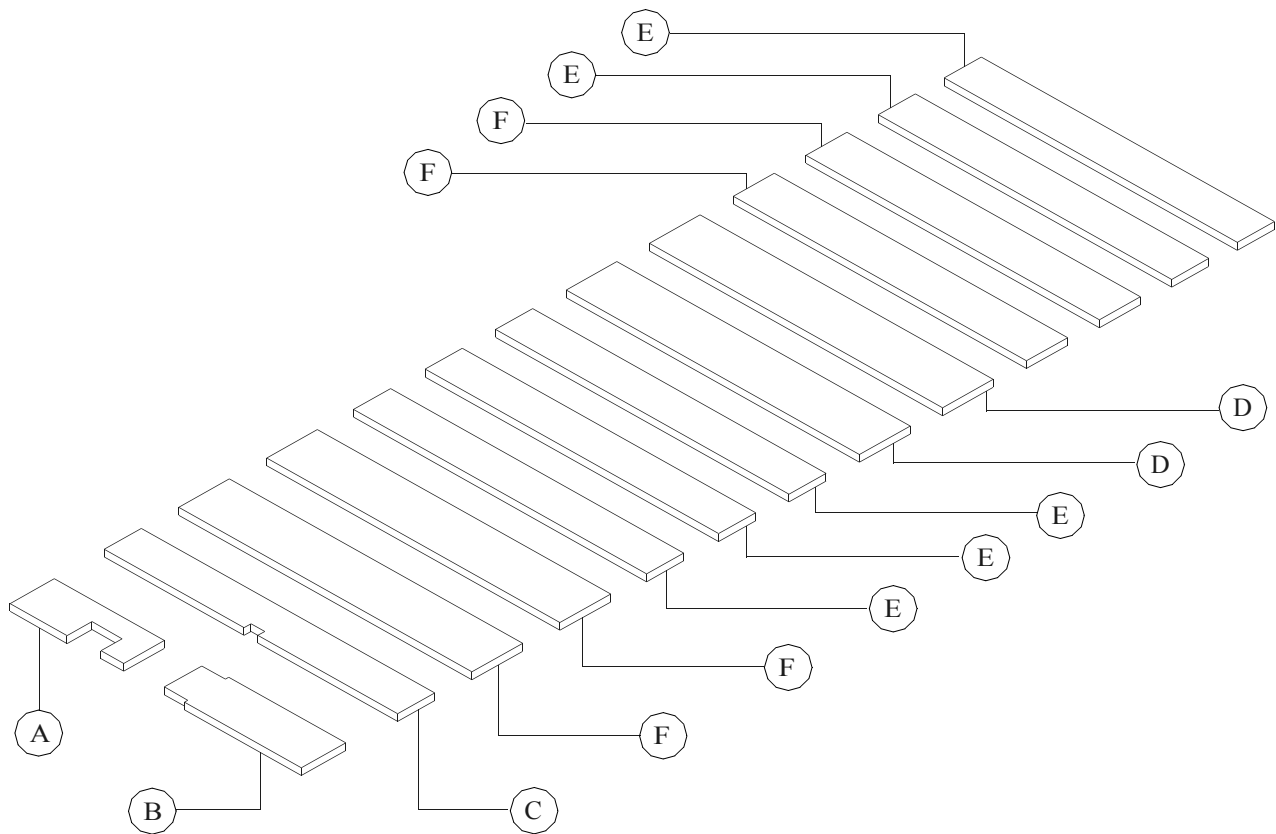
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659107	Foam, Door	1	
B	54659040	Foam, Side	1	
C	54652425	Fiberglass, Front Panel	1	
D	54659099	Foam, Above Door	1	

Front and Rear Foam



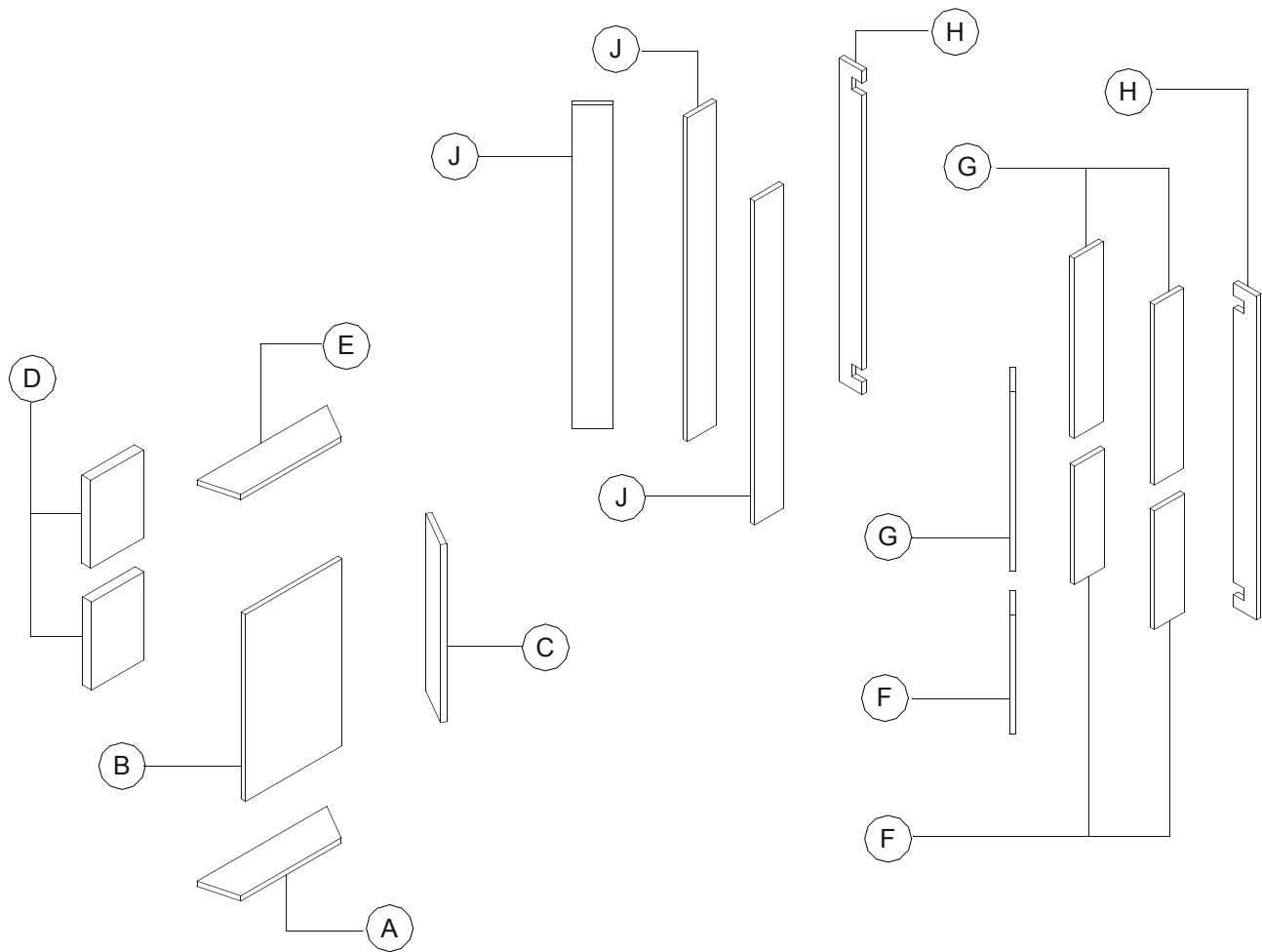
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54652417	Fiberglass, Front Side	1	
B	54659099	Foam Bottom and Top Door	1	
C	54659107	Foam, Center Door	1	
D	54659115	Foam, Over Door	1	
E	54659040	Foam, Rear Side	1	

Top Foam



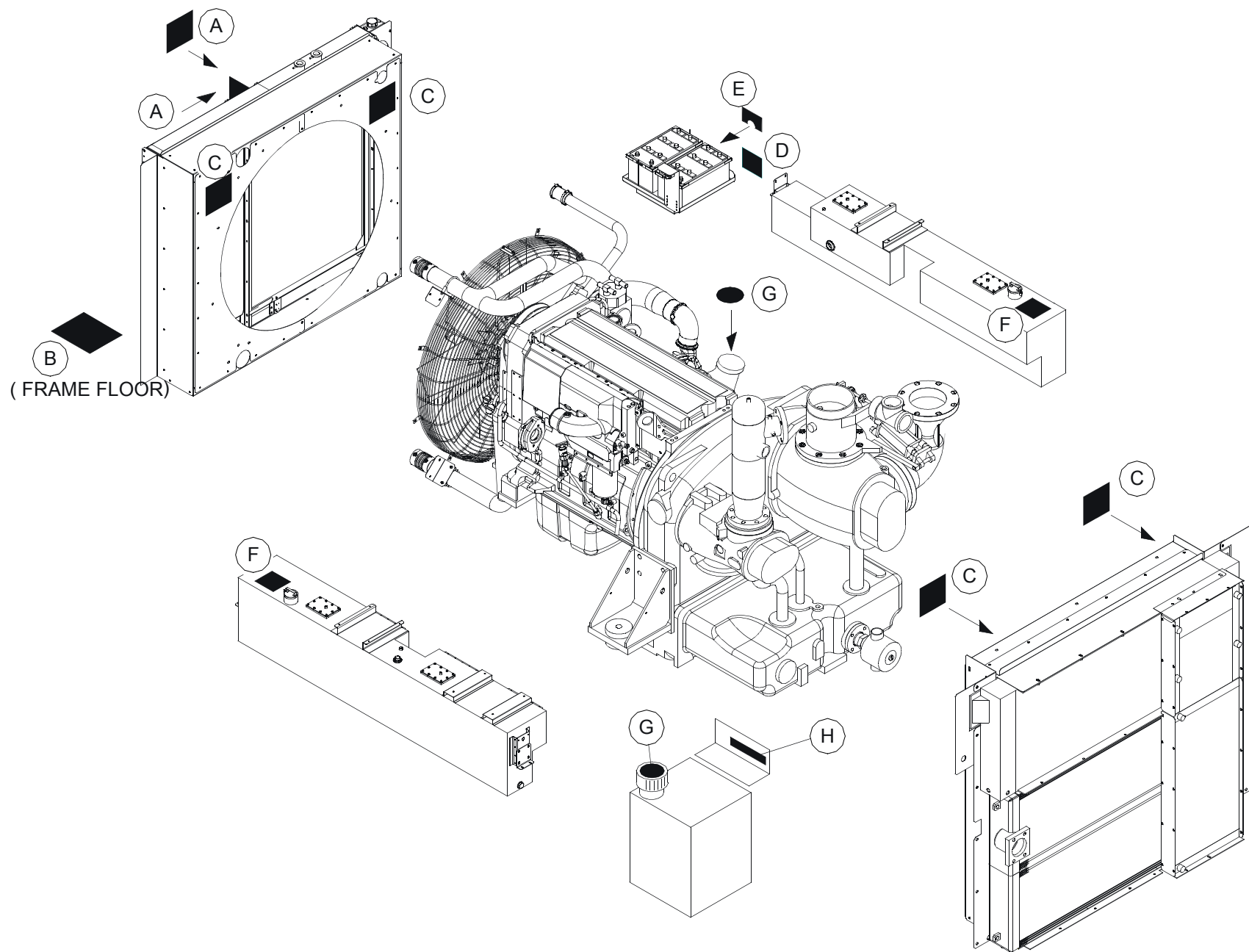
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659057	Foam, Curb Side Top	1	
B	54672274	Foam Street Side Top	1	
C	54672282	Foam, First Top	1	
D	54659081	Foam, 7th and 8th Top	1	
E	54659073	Foam, 4th, 5th, 6th, 11th and 12th Top	1	
F	54659123	Foam, 2nd, 3rd, 9th and 10th Top	1	

Inside Baffle Foam



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659206	Foam, Bottom Intake	1	
B	54659198	Foam, Back Intake	1	
C	54659032	Foam, Side Intake	1	
D	54659180	Foam, Inside Intake	1	
E	54659214	Foam, Top Intake	1	
F	54659164	Foam, Bottom Baffle	1	
G	54659156	Foam, Top Baffle	1	
H	54659172	Foam, Rear Baffle	1	
J	54659149	Foam, Curb Side Baffle	1	

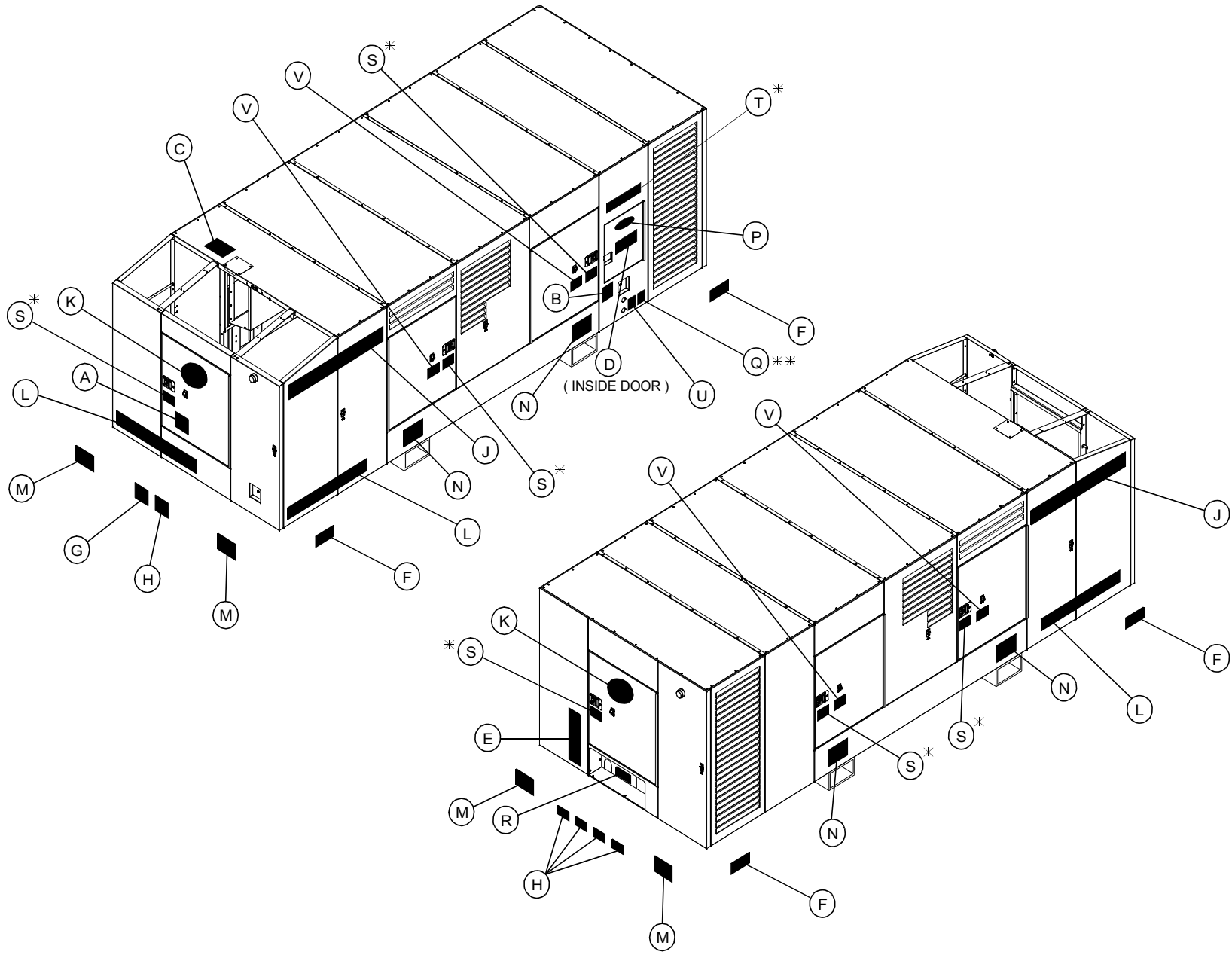
Safety Decal Location



Decal Location

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54604962	Coolant Fill Decal	2	
B	54568761	Hot Pressurized Fluid Decal		
C	54568779	Rotating Fan Decal	4	
D	54568753	Combustible Gas Decal	*	
E	54642327	Battery Disconnect Decal		
F	54625207	Diesel Fuel Decal	2	
G	54604970	Oil Fill Plug Decal	2	
H	54686852	Transducer Location Decal	*	

Decal Location



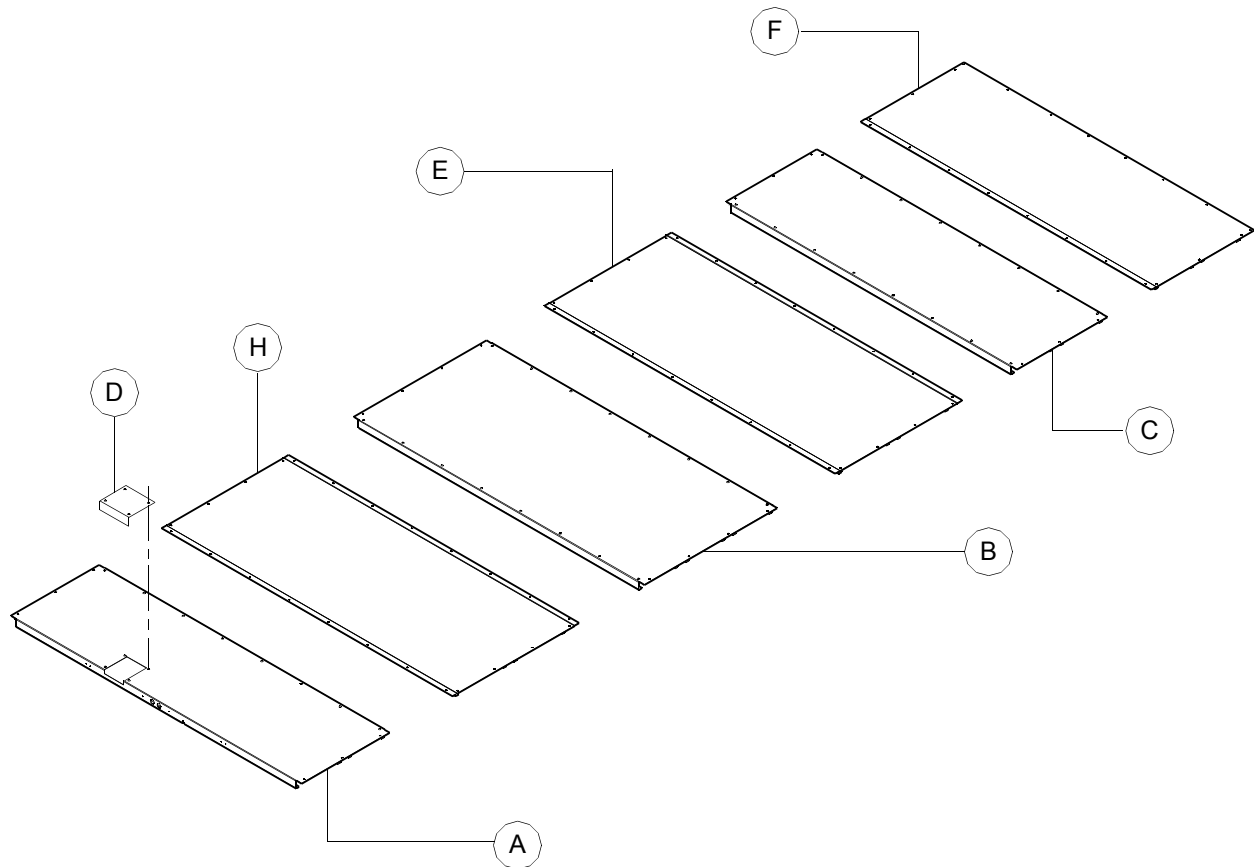
Decal Location

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54604988	Door Under Pressure Decal	*	
B	54568787	No Unauthorized Modifications Decal	*	
C	54568761	Hot Pressurized Fluid Decal	*	
D	54652532	Operating Instructions Decal	*	
E	54629944	3-Part Danger / Warning Decal	*	
F	54699400	Lift Point Decal	4	
G	54699392	Towing Speed Decal	*	
H	54629977	Central Drain Decal	*	
J	54672324	Chevron Decal	2	
K	54638333	IR Swoosh Decal	2	
L	54630181	Oil Free Air Decal	3	
M	54749205	No Weld Decal	4	
N	54749213	Fork Tube Pockets Decal	4	
P	54640024	I-R Genuine Parts Decal	*	
**Q	54749155	Battery Charger Decal	*	
R	54625207	Diesel Fuel Decal	*	
S	54687777	Autostart Warning Decal	6	
T	36511244	Autostart Decal	*	
U	54749171	AC Heater Decal	*	
V	22928816	Door Closed When Engine Running Decal	4	
		* Autostart Option Only		
		** Battery Charger Option Only		



Section C - Enclosure Assembly

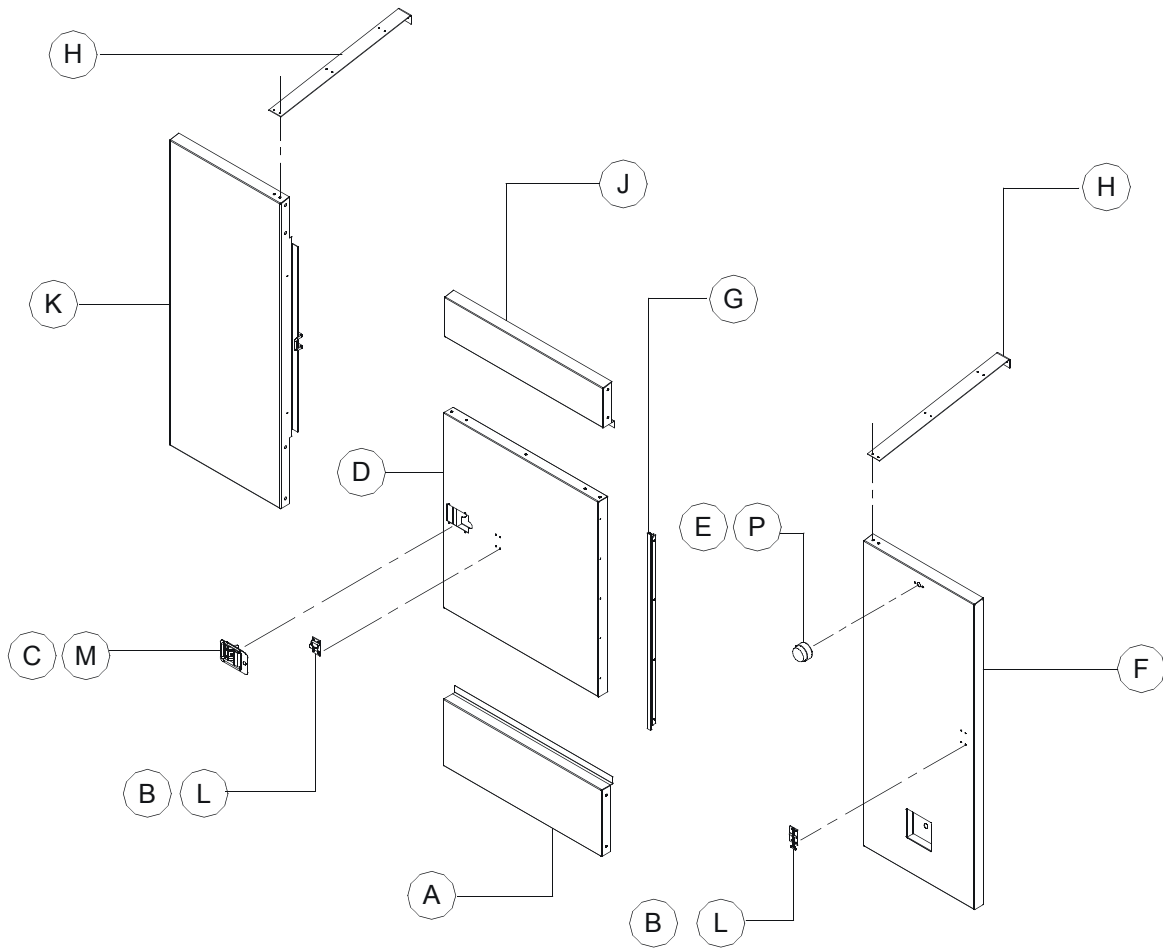
Enclosure Top Panels



22426803_107_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36924231	Panel, Front Top	1	
B	36924223	Panel, Third Top	1	
C	36924207	Panel, Fifth Top	1	
D	35924256	Cover, Radiator Fill	1	
E	36924215	Panel, Second and Fourth Top	1	
F	36924199	Panel, Rear Top	1	
G	36889608	Screw, Top Panel	*	

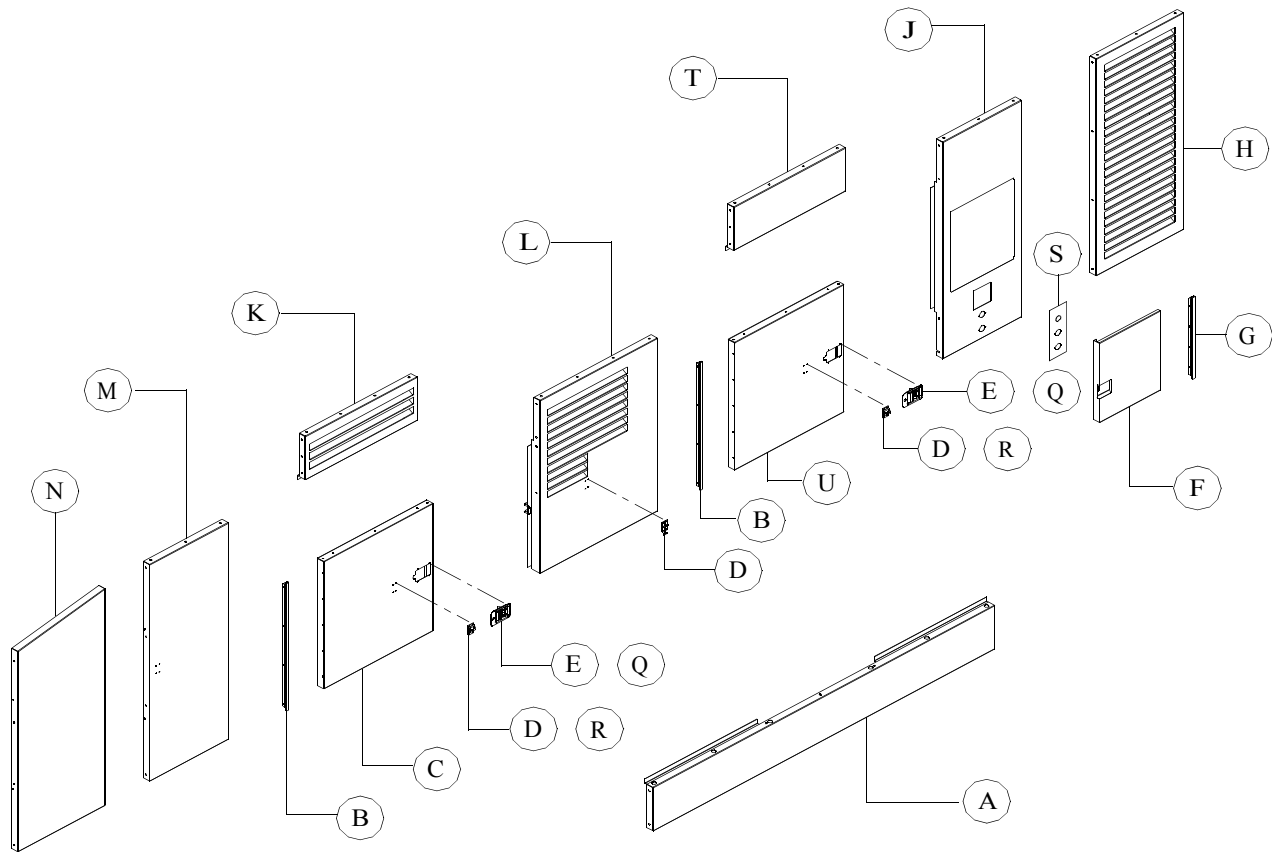
Enclosure Front Panels



22426803_108_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36924249	Panel, Front Bottom	1	
B	54485404	Latch, Tee	1	
C	36793602	Latch, Slam	1	
D	54483722	Door, Front	1	
E	54477286	Light, Amber Warning	1	
F	36924017	Panel, Street Side Front	1	
G	54373113	Hinge, Door	1	
H	54461736	Strap, Support	2	
J	36924066	Panel, Front Top	1	
K	36924009	Panel, Curb Side Front	1	
L	36843282	Rivet	8	
M	36794816	Rivet	4	
N	35279025	Screw	*	
P	96702055	Screw	4	

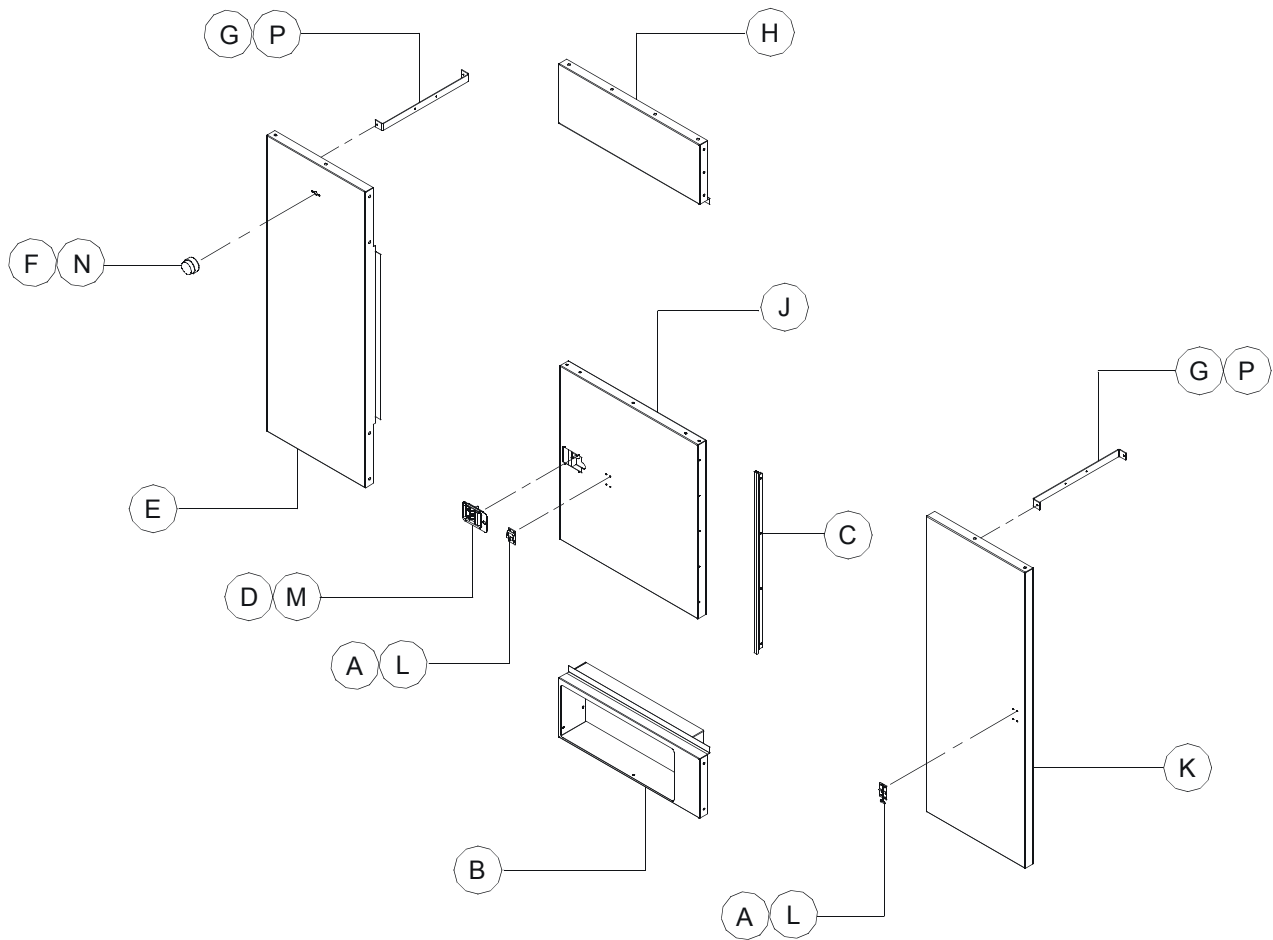
Enclosure Side Panels



22426803_109_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36924280	Panel, Bottom Center	1	
B	54373113	Hinge, Door	1	
C	54483722	Door, Street Side	1	
D	54485404	Latch, Tee	1	
E	36793602	Latch, Slam	1	
F	54621560	Door, Control Panel	1	
G	54623889	Hinge, Door	1	
H	36924074	Panel, Rear Grill	1	
J	54737820	Panel, Control Door	1	
K	36924058	Panel, Top Door	1	
L	54656194	Panel, Center Grill	1	
M	36924140	Panel, Second Front	1	
N	36924165	Panel, Front Side	1	
P	35279025	Screw	*	
Q	36794816	Rivet	8	
R	36843282	Rivet	12	
S	54737838	Plate, Receptacle	1	120 Volt / 60 Hz
	54737846	Plate, Receptacle	1	240 Volt / 50 Hz
	39249875	Seal, Door (Around Edge of Each Door)	*	

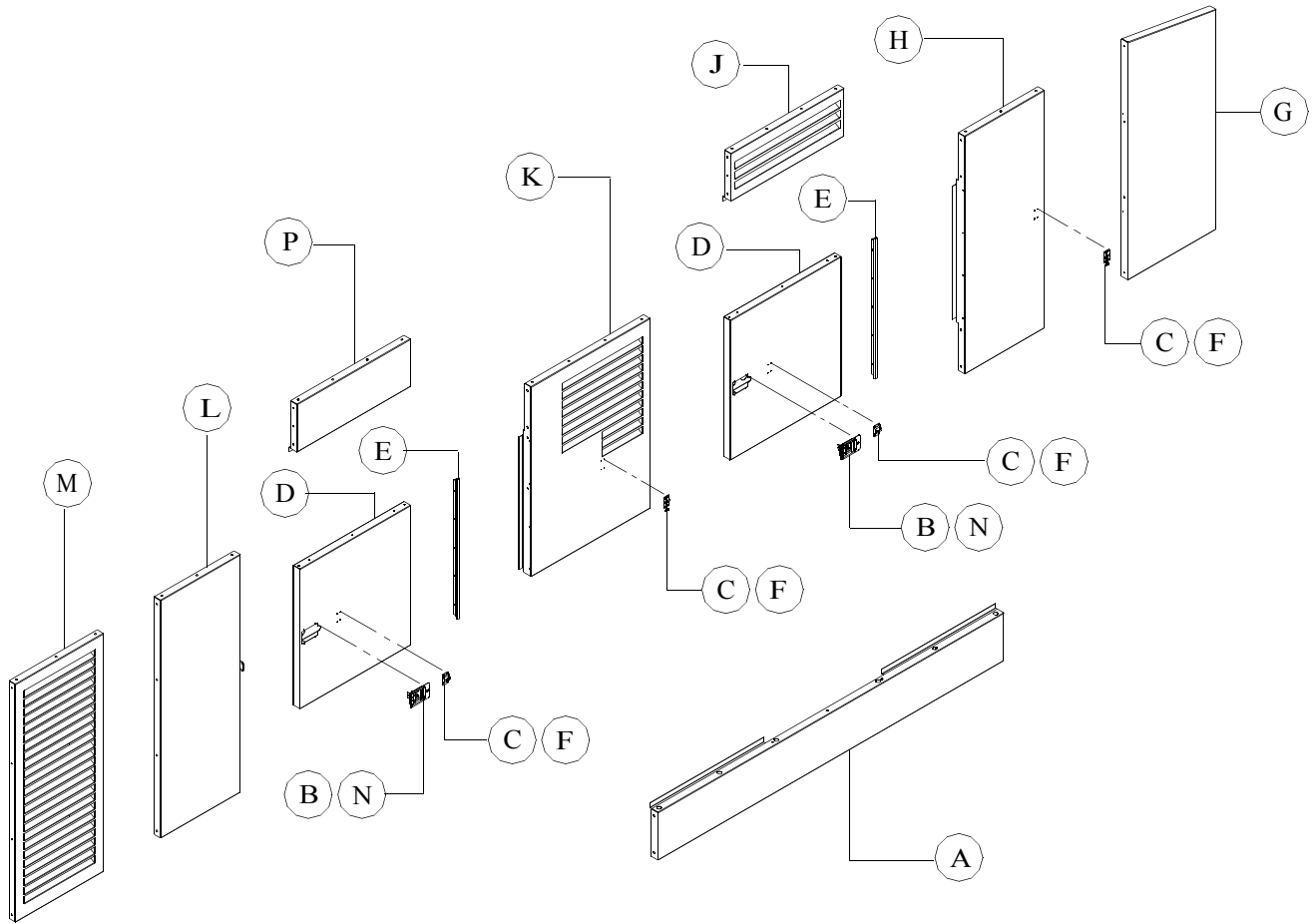
Enclosure Rear Panels



22426803_110_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54485404	Latch, Tee	1	
B	54690755	Panel, Service Access	1	
C	54373113	Hinge, Door	1	
D	36793602	Latch, Slam	1	
E	36924033	Panel, Street Side Rear	1	
F	54477286	Light, Amber Warning	1	
G	54430855	Strap, Rear Support	1	
H	36924058	Panel, Rear Middle Top	1	
J	54483722	Door, Rear	1	
K	36924025	Panel, Curb Side Rear	1	
L	36843282	Rivet	8	
M	36794816	Rivet	4	
N	96702055	Screw	2	
P	36797652	Screw	4	
Q	35279025	Screw	*	

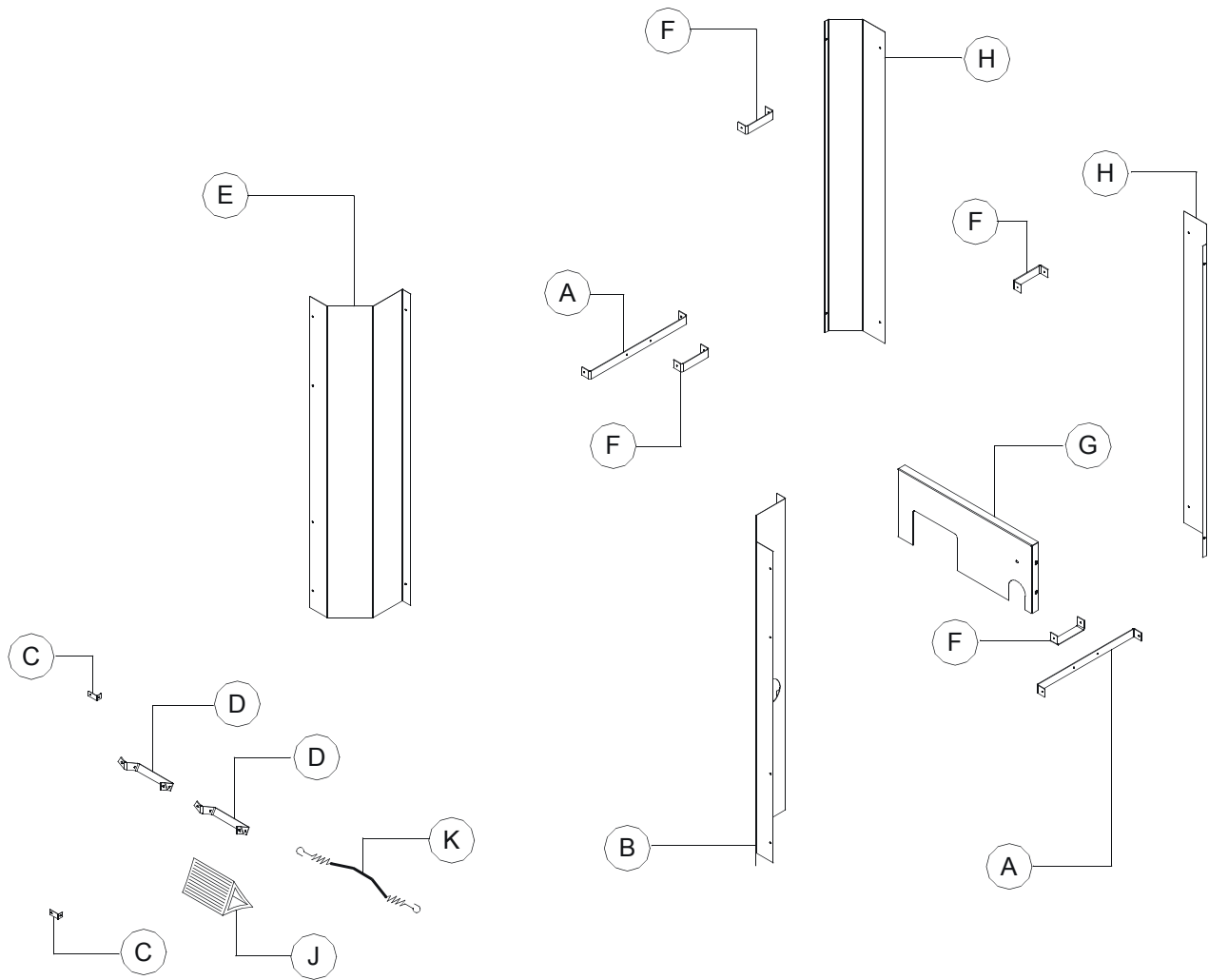
Enclosure Side Panels



22426803_111_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36924280	Panel, Bottom Center	1	
B	36793602	Latch, Slam	1	
C	54485404	Latch, Tee	1	
D	54483722	Door, Side	1	
E	54373113	Hinge, Door	1	
F	36924173	Door, Vented Side	1	
G	36924157	Panel, Curb Side Front	1	
H	36924132	Panel, Curb Side Second	1	
J	36924058	Panel, Top Door	1	
K	54656202	Panel, Center Grill	1	
L	36924090	Panel, Rear Side	1	
M	36924074	Panel, Rear Grill	1	
N	36794816	Rivet	8	
P	36843282	Rivet	12	
Q	35279025	Screw	*	
R	54419510	Housing, Air Intake	1	
S	36797652	Screw	12	
	39249875	Seal, Door (Around Edge of Each Door)	*	

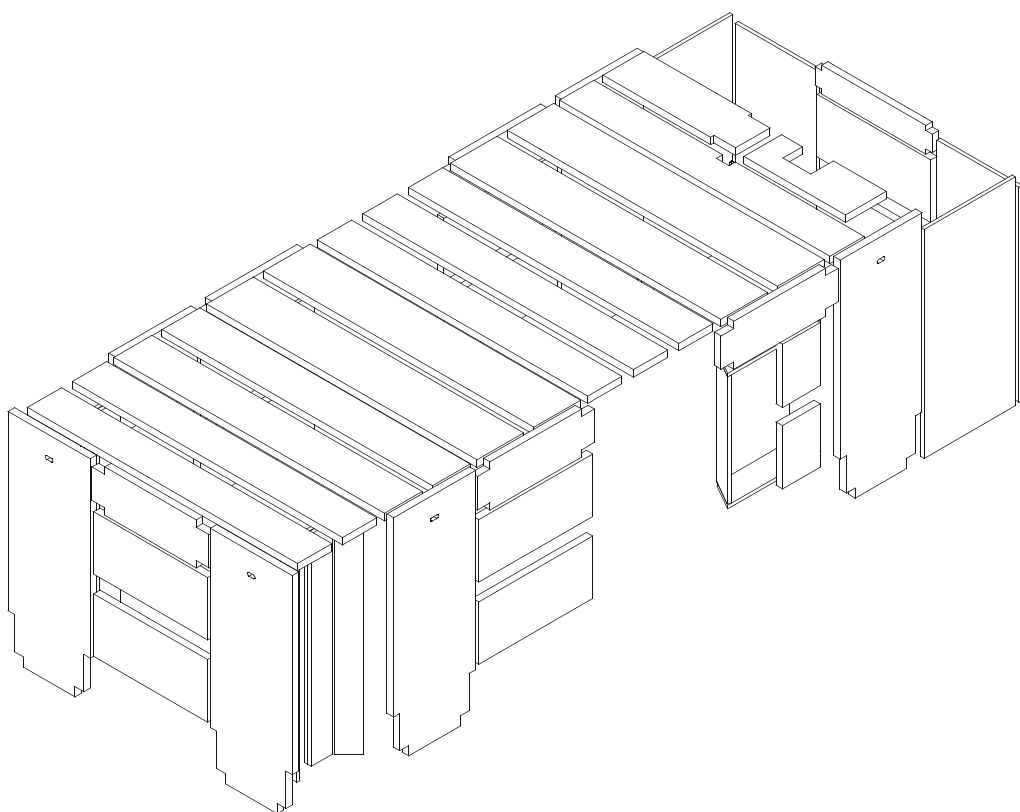
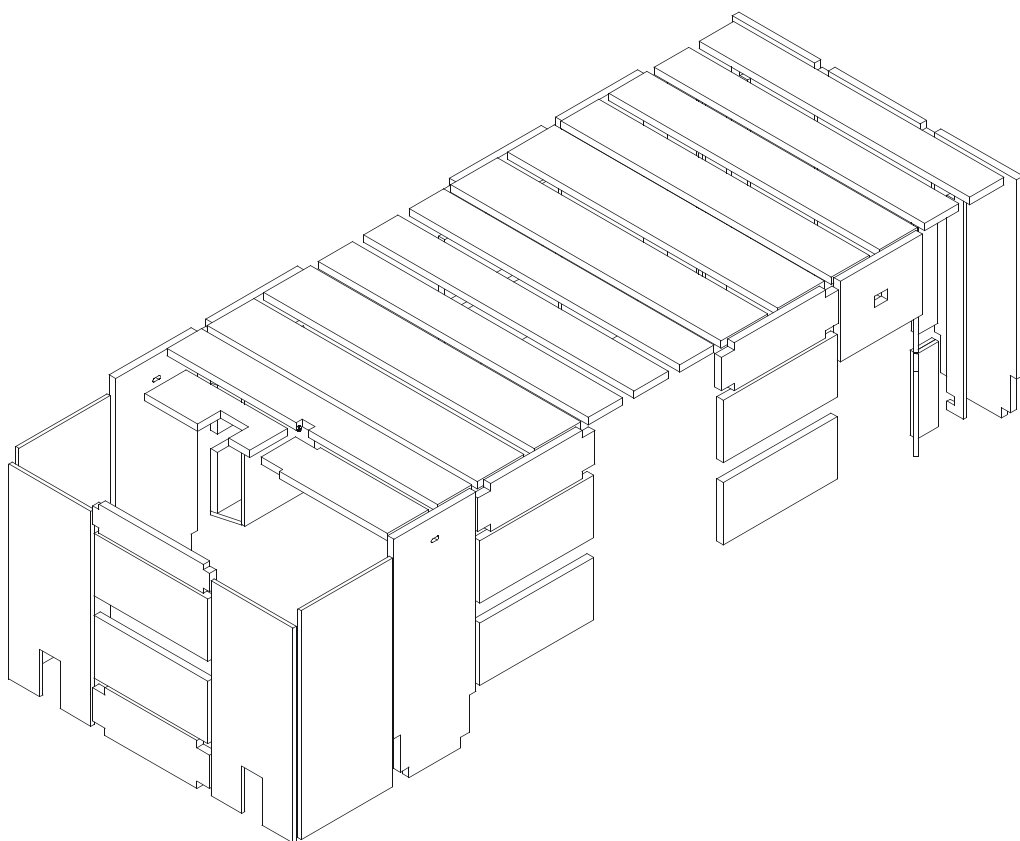
Enclosure Internal Panels



22426803_112_10/06_A

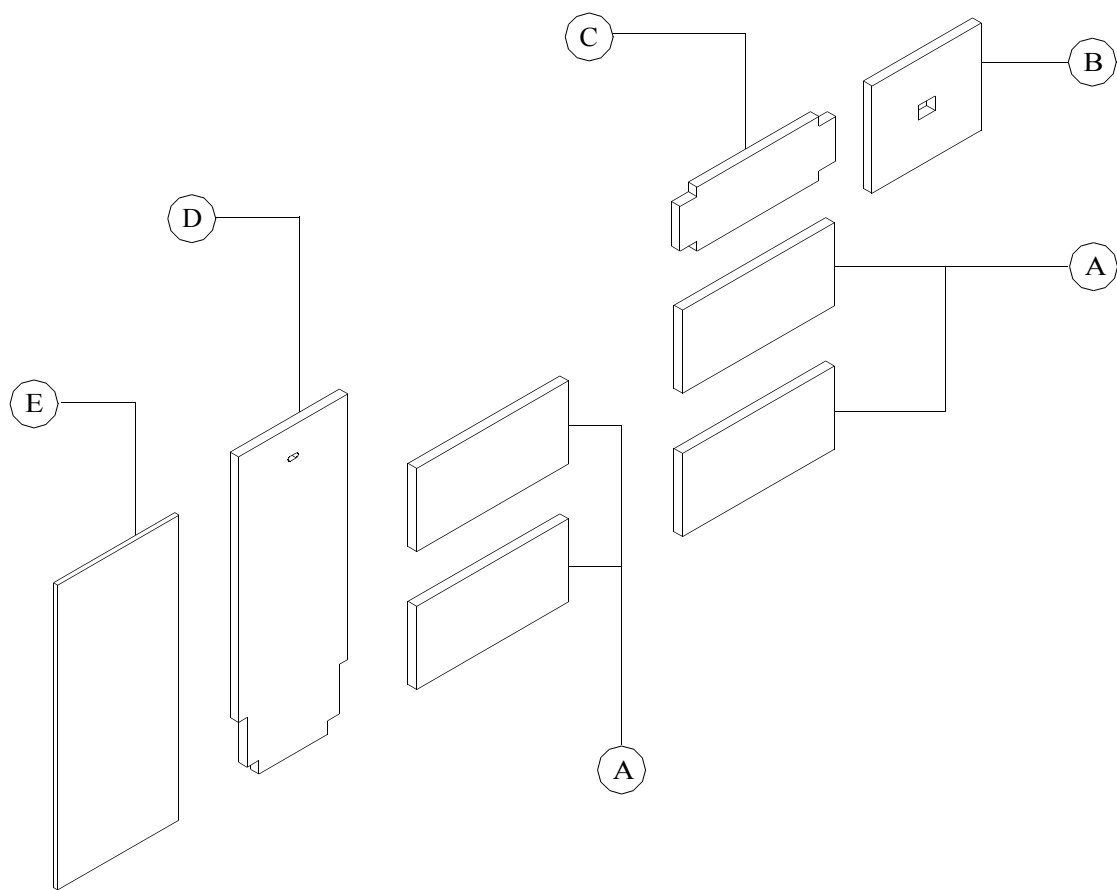
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54430855	Bracket, Support	1	
B	54656228	Baffle, Street Side Intake	1	
C	54656269	Strap, Front Foam	1	
D	35603661	Bracket, Wheel Chock	1	
E	54656210	Baffle, Curb Side Intake	1	
F	54656244	Support, Intake	1	
G	54690771	Cover, Intake	1	
H	54656236	Baffle, Rear Intake	1	
J	35603190	Chock, Wheel	2	
K	35333830	Strap, Wheel Chock	2	

Foam Assembly



22426803_113_10/06_A

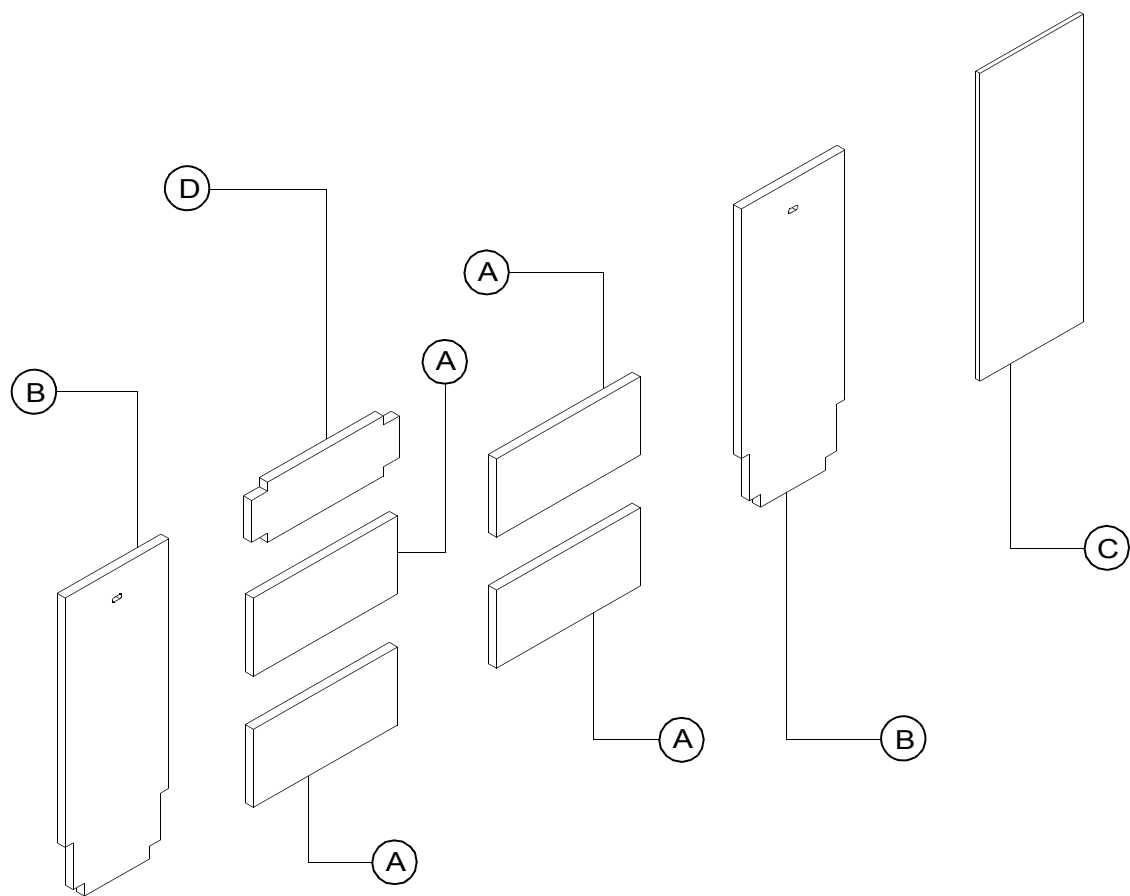
Side Foam



22426803_114_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659107	Foam, Door	1	
B	54659131	Foam, Above Control Panel	1	
C	54659099	Foam, Above Door	1	
D	54659040	Foam, Second Panel	1	
E	54652425	Fiberglass, Front Panel	1	

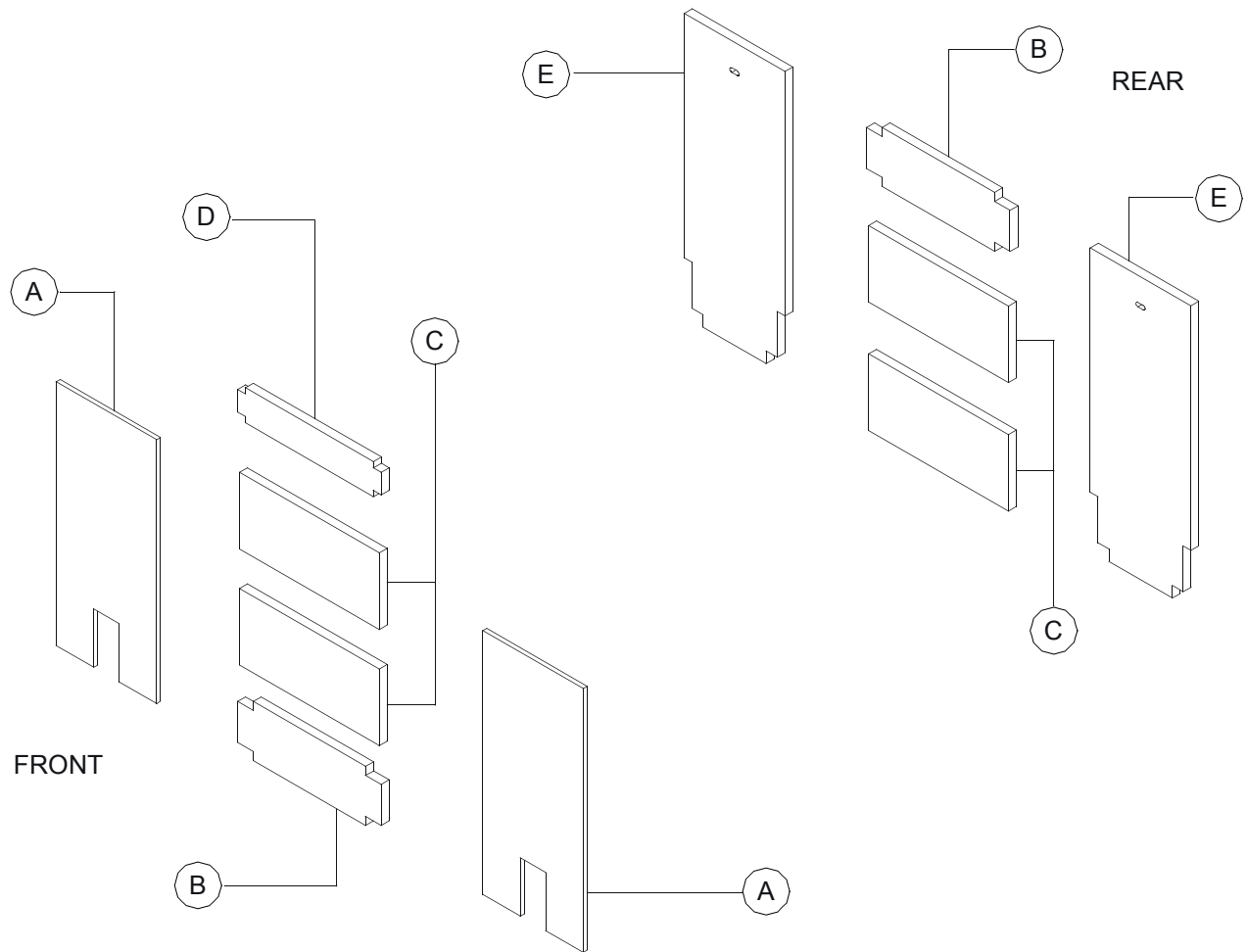
Side Foam



22426803_115_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659107	Foam, Door	1	
B	54659040	Foam, Side	1	
C	54652425	Fiberglass, Front Panel	1	
D	54659099	Foam, Above Door	1	

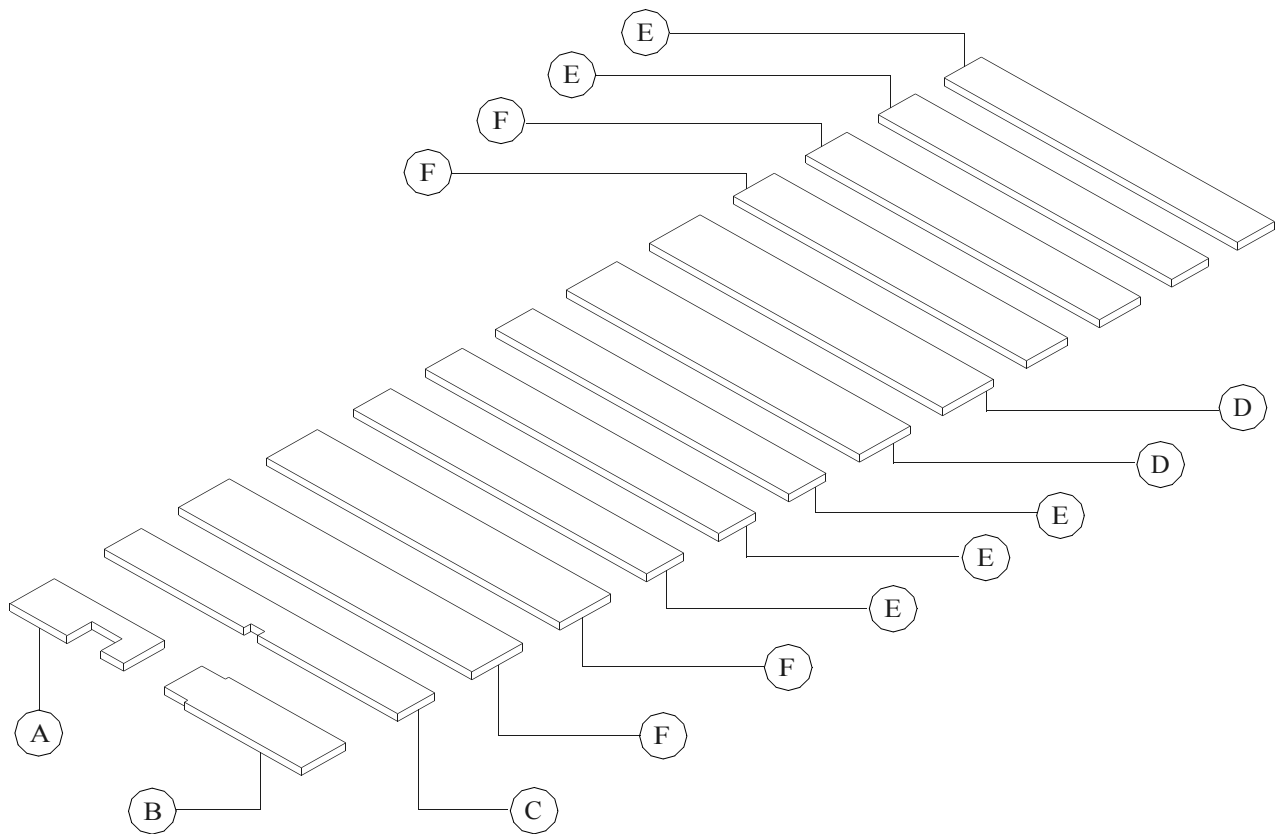
Front and Rear Foam



22426803_116_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54652417	Fiberglass, Front Side	1	
B	54659099	Foam Bottom and Top Door	1	
C	54659107	Foam, Center Door	1	
D	54659115	Foam, Over Door	1	
E	54659040	Foam, Rear Side	1	

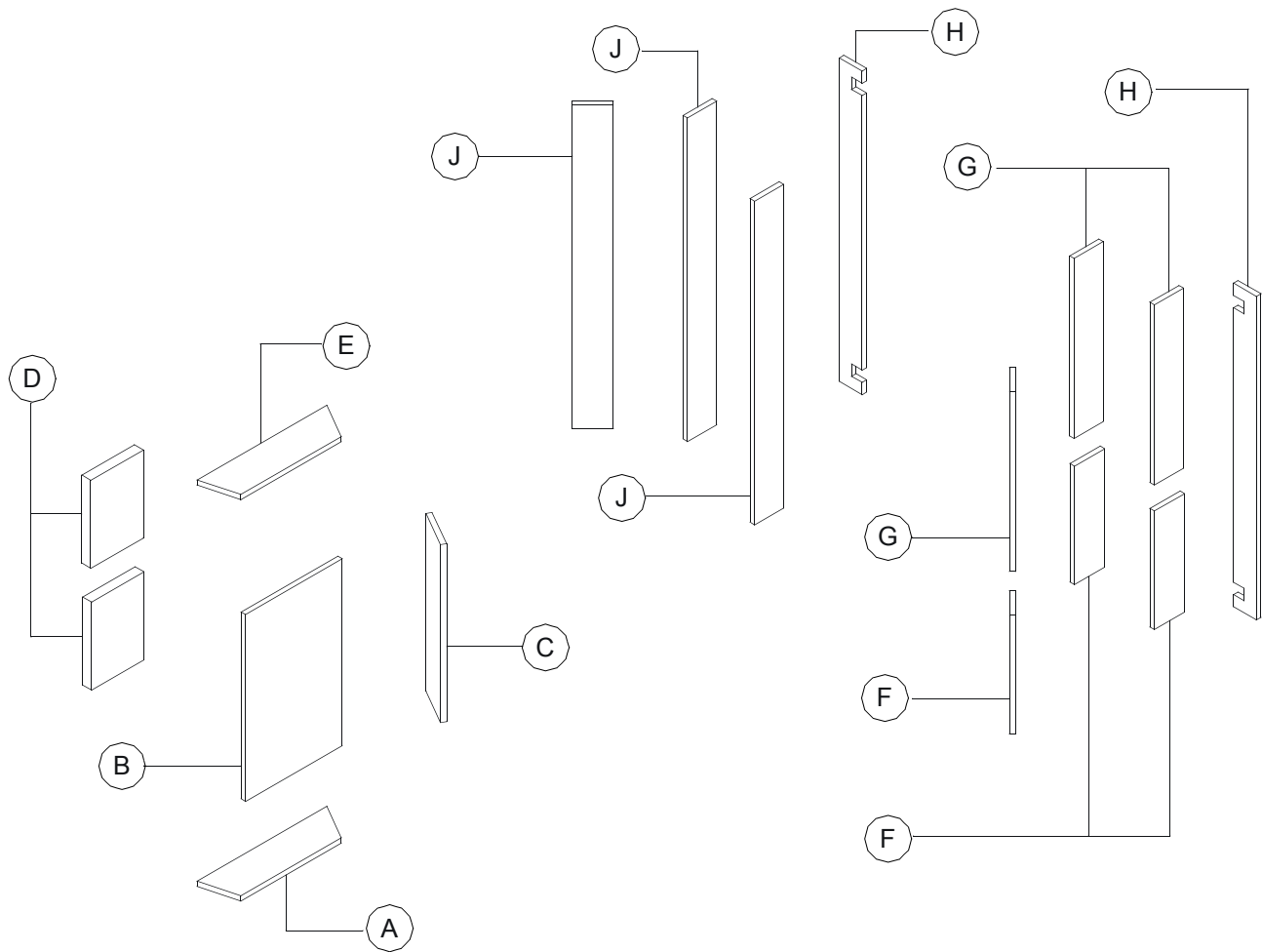
Top Foam



22426803_117_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659057	Foam, Curb Side Top	1	
B	54672274	Foam Street Side Top	1	
C	54672282	Foam, First Top	1	
D	54659081	Foam 2nd, 3rd, 7th and 8th Top	1	
E	54659073	Foam, 4th, 5th, 6th, 11th and 12th Top	1	
F	54659123	Foam, 9th and 10th Top	1	

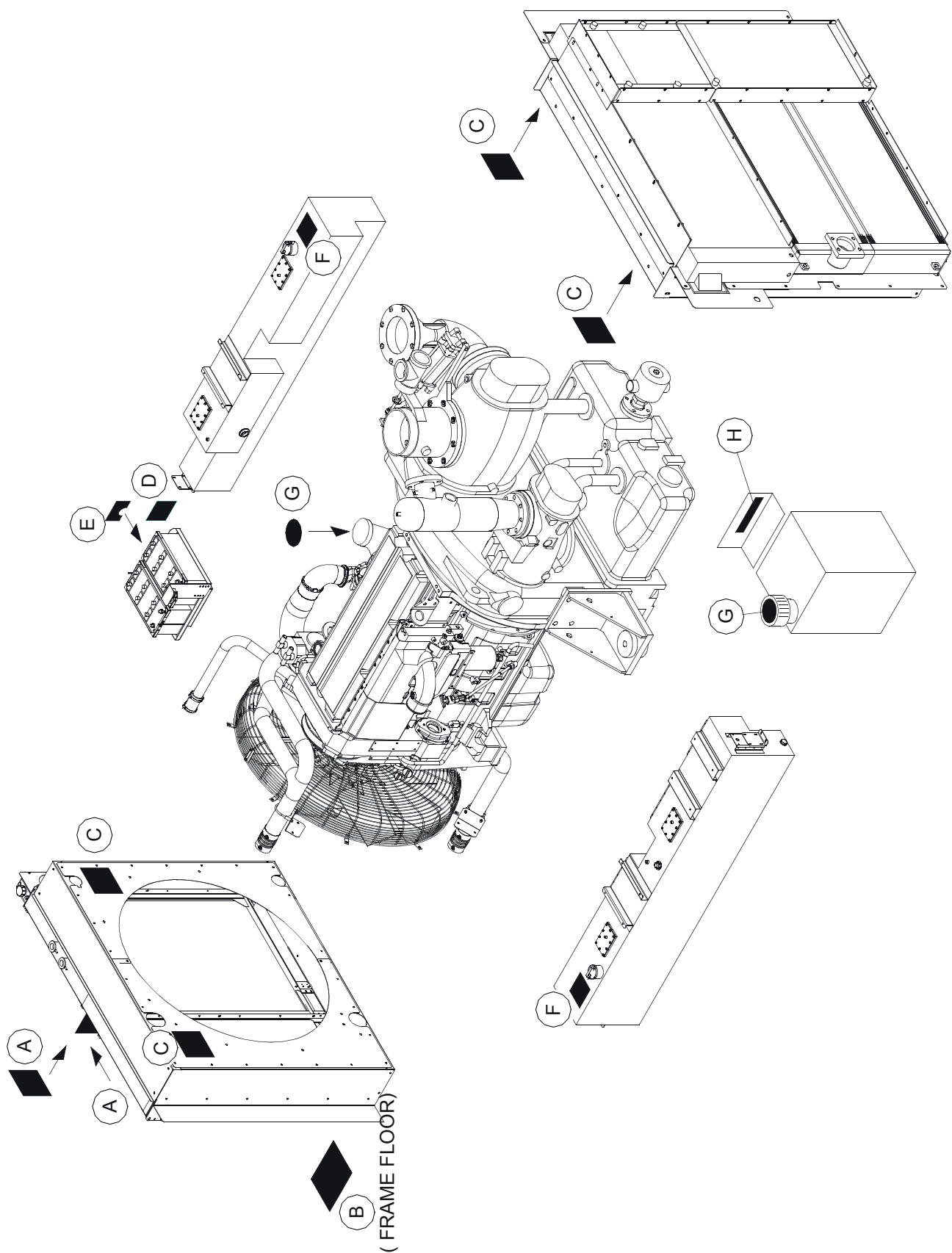
Inside Baffle Foam



22426803_118_10/06_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54659206	Foam, Bottom Intake	1	
B	54659198	Foam, Back Intake	1	
C	54659032	Foam, Side Intake	1	
D	54659180	Foam, Inside Intake	1	
E	54659214	Foam, Top Intake	1	
F	54659164	Foam, Bottom Baffle	1	
G	54659156	Foam, Top Baffle	1	
H	54659172	Foam, Rear Baffle	1	
J	54659149	Foam, Curb Side Baffle	1	

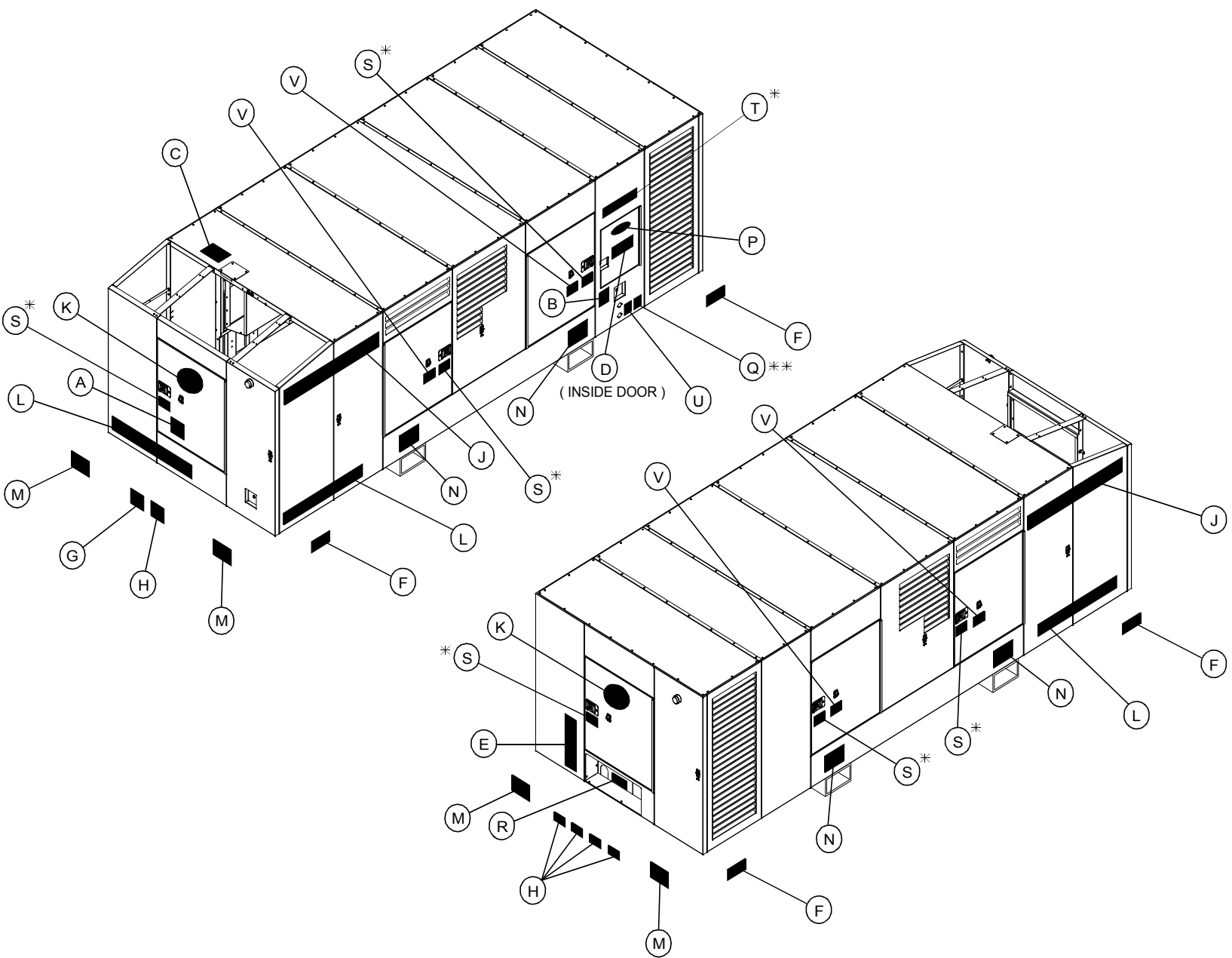
Safety Decal Location



Decal Location

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54604962	Coolant Fill Decal	2	G
B	54568761	Hot Pressurized Fluid Decal		E
C	54568779	Rotating Fan Decal	4	B
D	54568753	Combustible Gas Decal	*	C
E	54642327	Battery Disconnect Decal		54642327
F	54625207	Diesel Fuel Decal	2	H
G	54604970	Oil Fill Plug Decal	2	54604970
H	54686852	Transducer Location Decal	*	54686852

EXTERIOR DECAL LOCATION



22426803_121_10/06_A

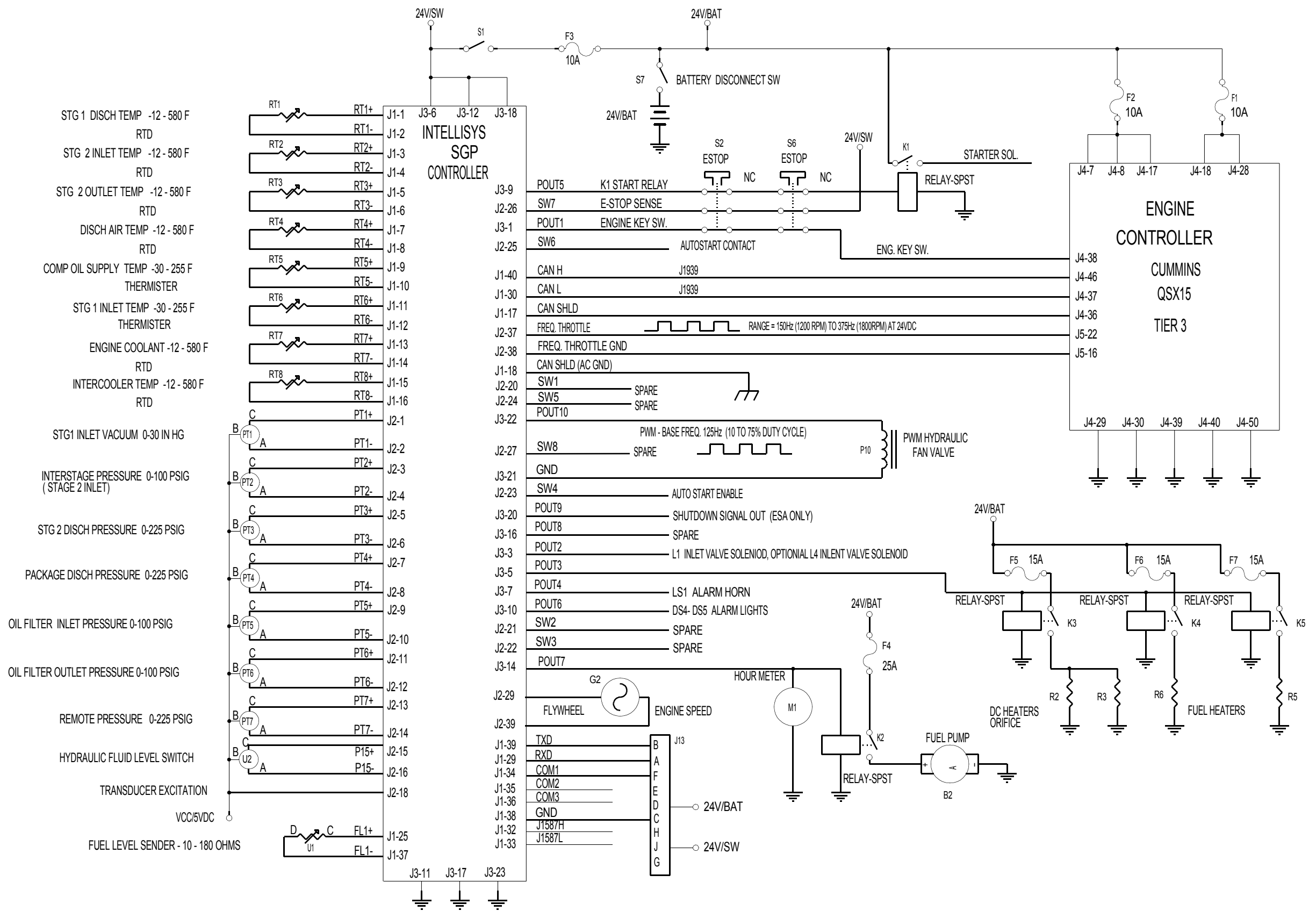
Decal Location

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54604988	Door Under Pressure Decal	*	D
B	54568787	No Unauthorized Modifications Decal	*	N/A
C	54568761	Hot Pressurized Fluid Decal	*	E
D	54652532	Operating Instructions Decal	*	54652532
E	54629944	3-Part Danger / Warning Decal	*	J
F	54699400	Lift Point Decal	4	A
G	54699392	Towing Speed Decal	*	K
H	54629977	Central Drain Decal	*	54629977
J	54672324	Chevron Decal	2	54672332
K	54638333	IR Swoosh Decal	2	54638333
L	54630181	Oil Free Air Decal	3	N/A
M	54749205	No Weld Decal	4	M
N	54749213	Fork Tube Pockets Decal	4	N
P	54640024	I-R Genuine Parts Decal	*	54640024
**Q	54749155	Battery Charger Decal	*	54749155
R	54625207	Diesel Fuel Decal	*	H
S	54687777	Autostart Warning Decal	6	L
T	36511244	Autostart Decal	*	36511244
U	54749171	AC Heater Decal	*	54749171
		* AUtostart Option Only		
		** Battery Charger Option Only		



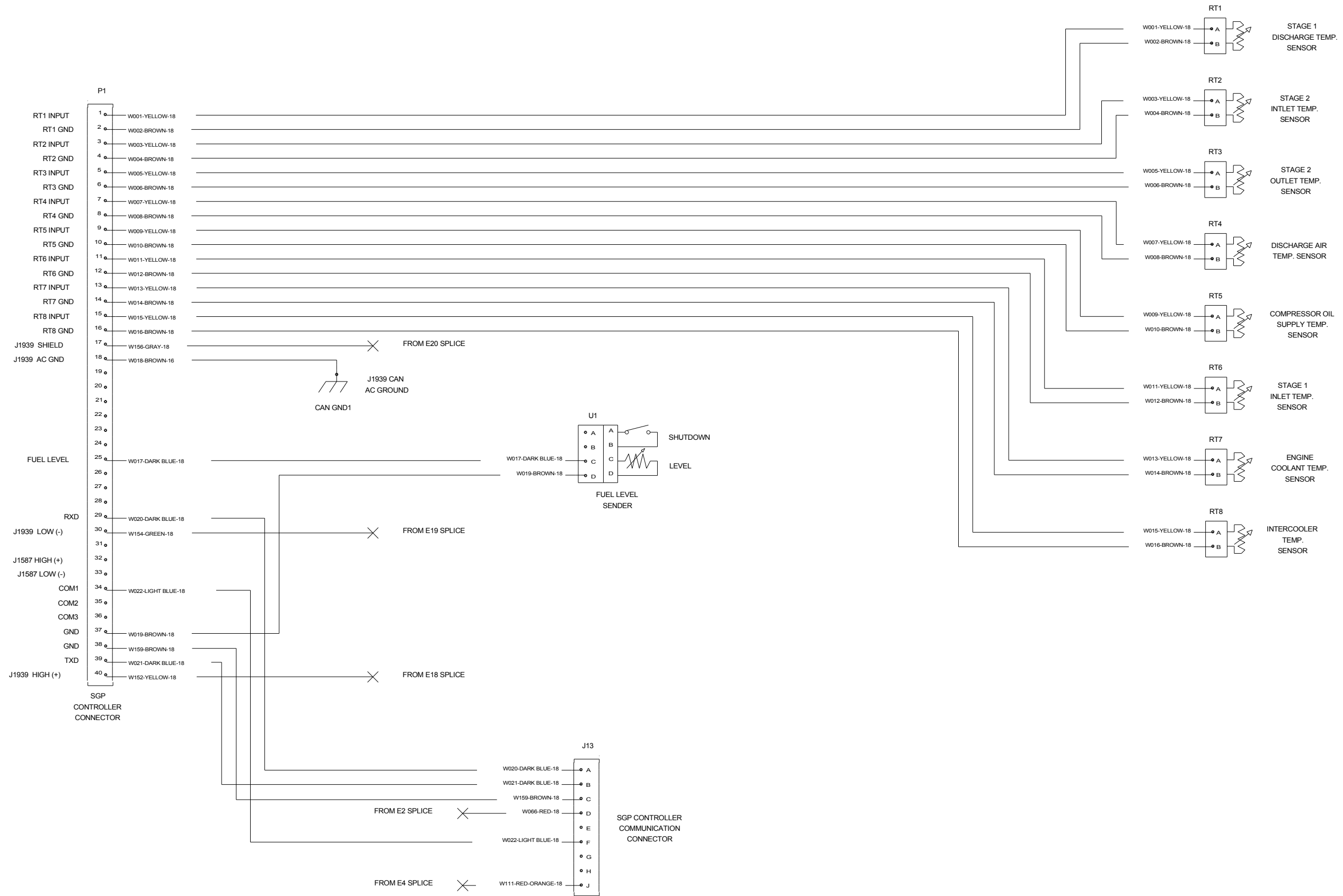
Section D - WIRING SCHEMATICS

SYSTEM WIRING SCHEMATIC



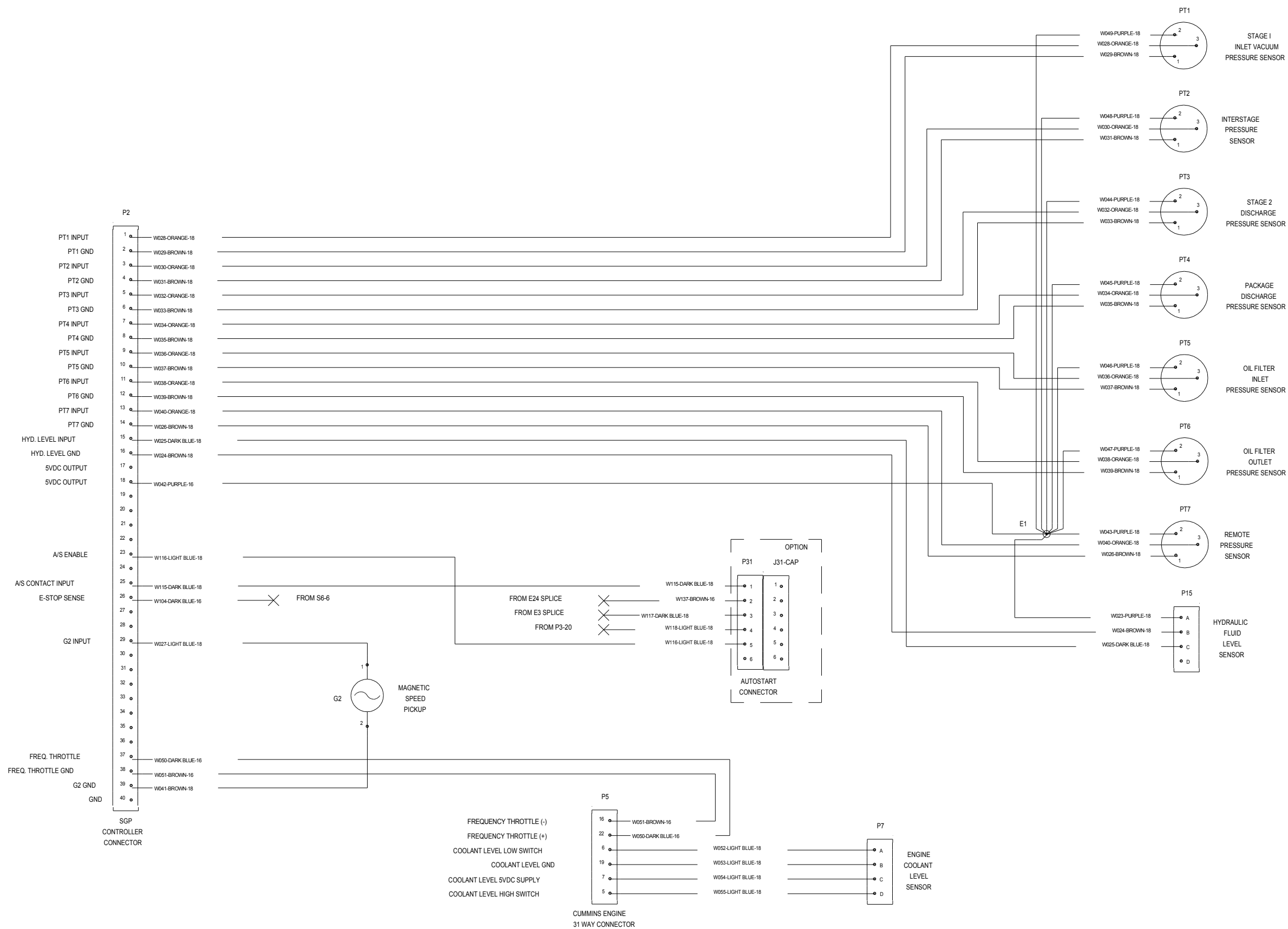
23015134_03/09_A

SCHEMATIC AIREND and FUEL SENSORS



23015134_03/09_A

SCHEMATIC ENGINE SENSORS

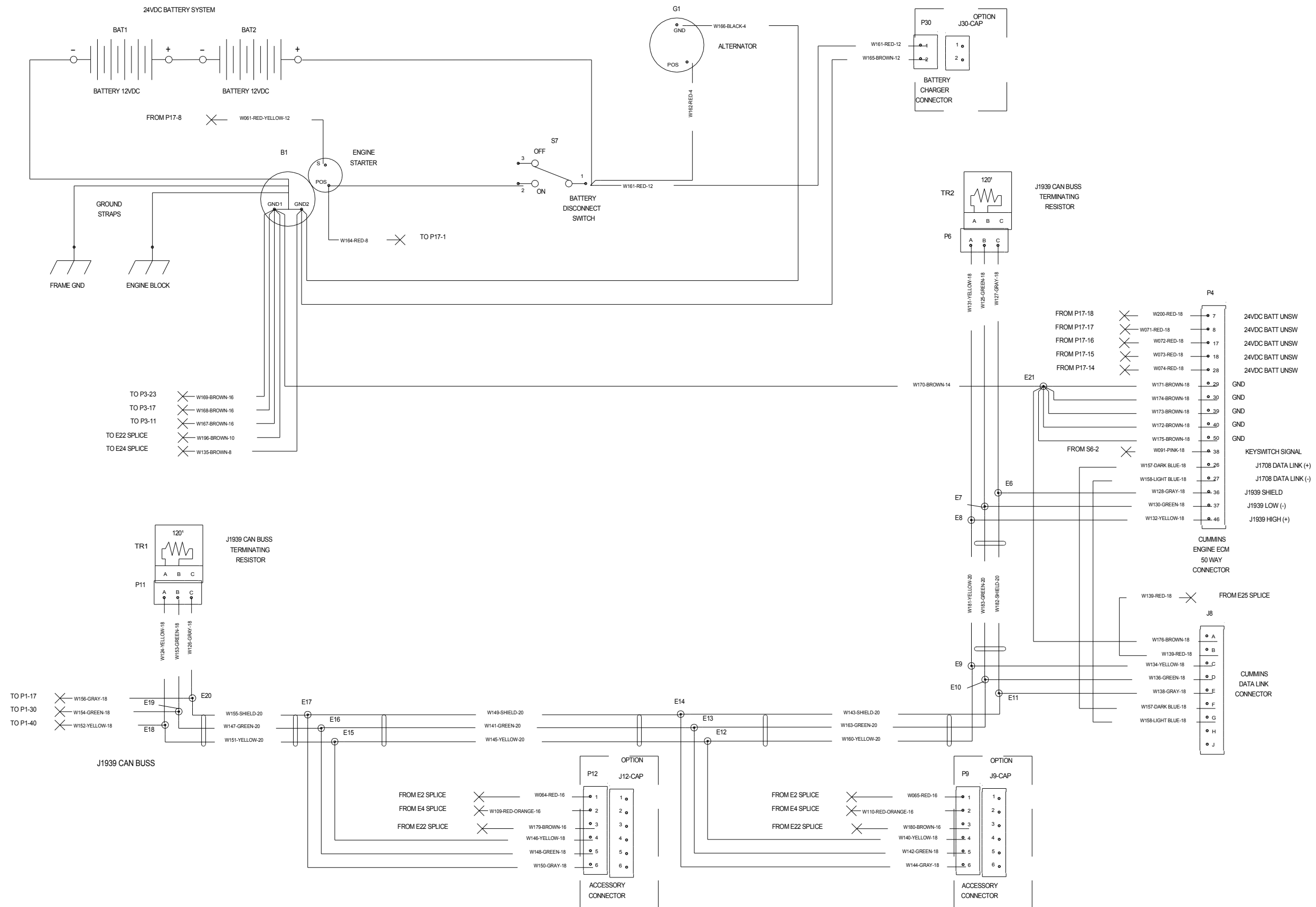


23015134_03/09_A

23015134_03/09_A

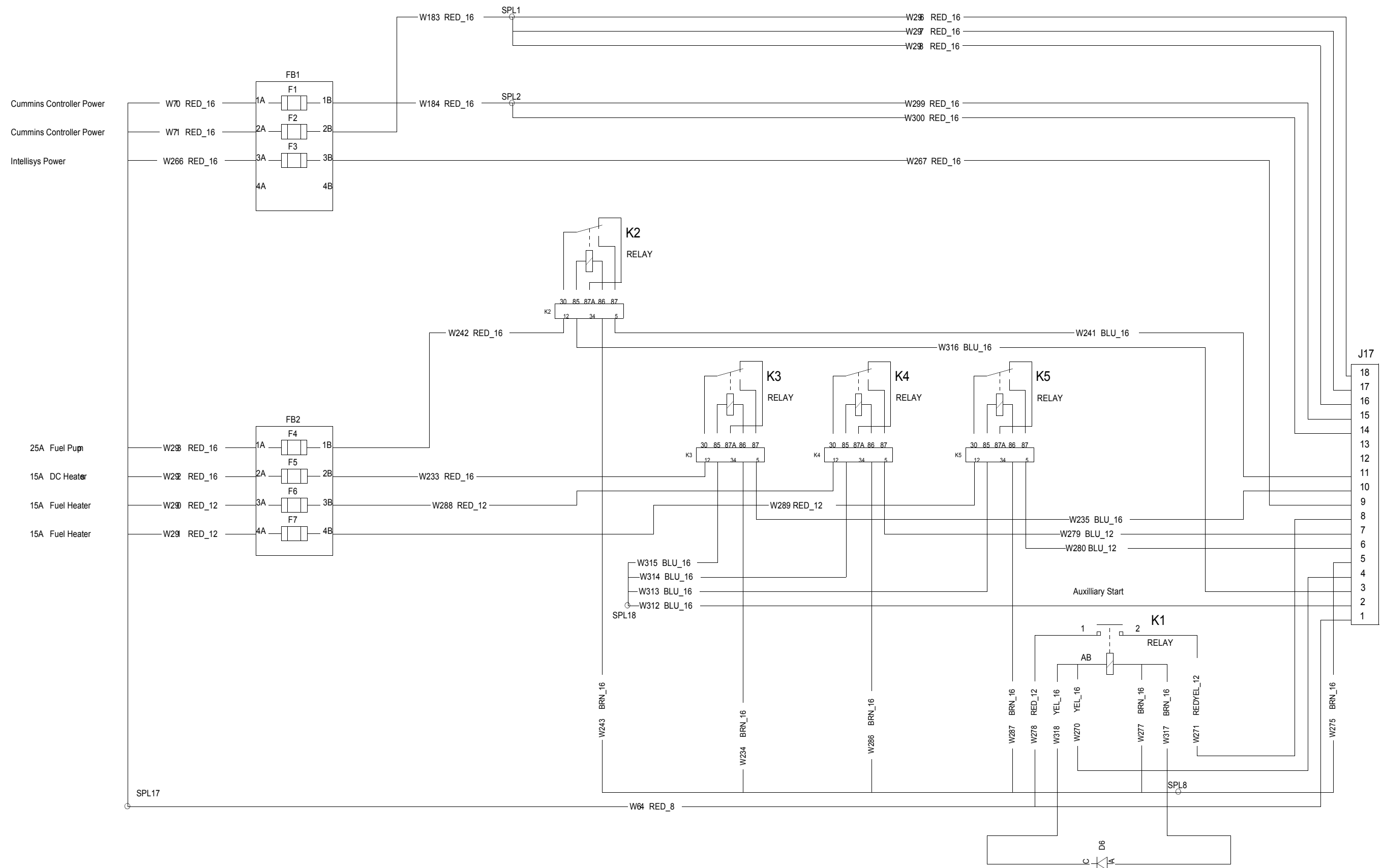


SCHEMATIC CONTROL PANEL



23015134_03/09_A

SCHEMATIC POWER DISTRIBUTION BOX



23015134_03/09_A

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*54726971	B-55		B-8		B-10	35294750	B-60
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22071517	B-82		B-8		B-42	35305648	B-54
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22079693	B-12	23021256	B-8		C-3	35321421	B-57
22079701	B-12	23021264	B-8		C-4	35322395	B-50
22087118	B-18	23021272	B-8		C-5		B-51
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22233258	B-16	23021298	B-8	35279827	B-58	35326578	B-60
	B-20	23021306	B-8	35279926	B-18	35327303	B-65
22235204	B-18	23021314	B-8		B-20	35327311	B-65
22244206	B-9	23021322	B-8	35279934	B-21	35330570	B-37
22424279	B-13	23021330	B-8		B-22	35332030	B-60
22437016	B-21	23021348	B-8		B-23	35333830	B-5
22566715	B-86	23021355	B-8		B-32		B-89
22620637	B-87	31497357	B-37	35281229	B-3		C-7
22620645	B-87	35108216	B-61	35281666	B-4	35335124	B-54
22620652	B-87	35112648	B-40	35281674	B-4	35356039	B-28
22620678	B-87	35114537	B-41	35281773	B-4	35356484	B-50
22648430	B-9	35118272	B-24	35282979	B-21		B-51
22878482	B-36	35119858	B-40	35282987	B-18	35357052	B-12
22883912	B-38	35120211	B-42	35283050	B-21	35360080	B-3
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Revision History

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