



PARTS MANUAL

COMPRESSOR MODEL

XHP-1170-FRAME-CAT-S

*** (Serial Code: C97)**

Beginning with S/N 366470UBQB78

Code:A

***Last 3 digits of machine serial number**



This manual contains important safety information.

Do not destroy this manual.

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

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Parts Ordering



Parts Ordering

General

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

NOTICE

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

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

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

Description

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

In referring to the rear, the front or to either side of the unit, always consider the **drawbar end** of the unit as the **front**. Standing at the rear of the unit facing the drawbar (front) will determine the right and left sides.

Fasteners

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

How to Order

Always specify the model and serial number of the unit.

Specify the part number and description.

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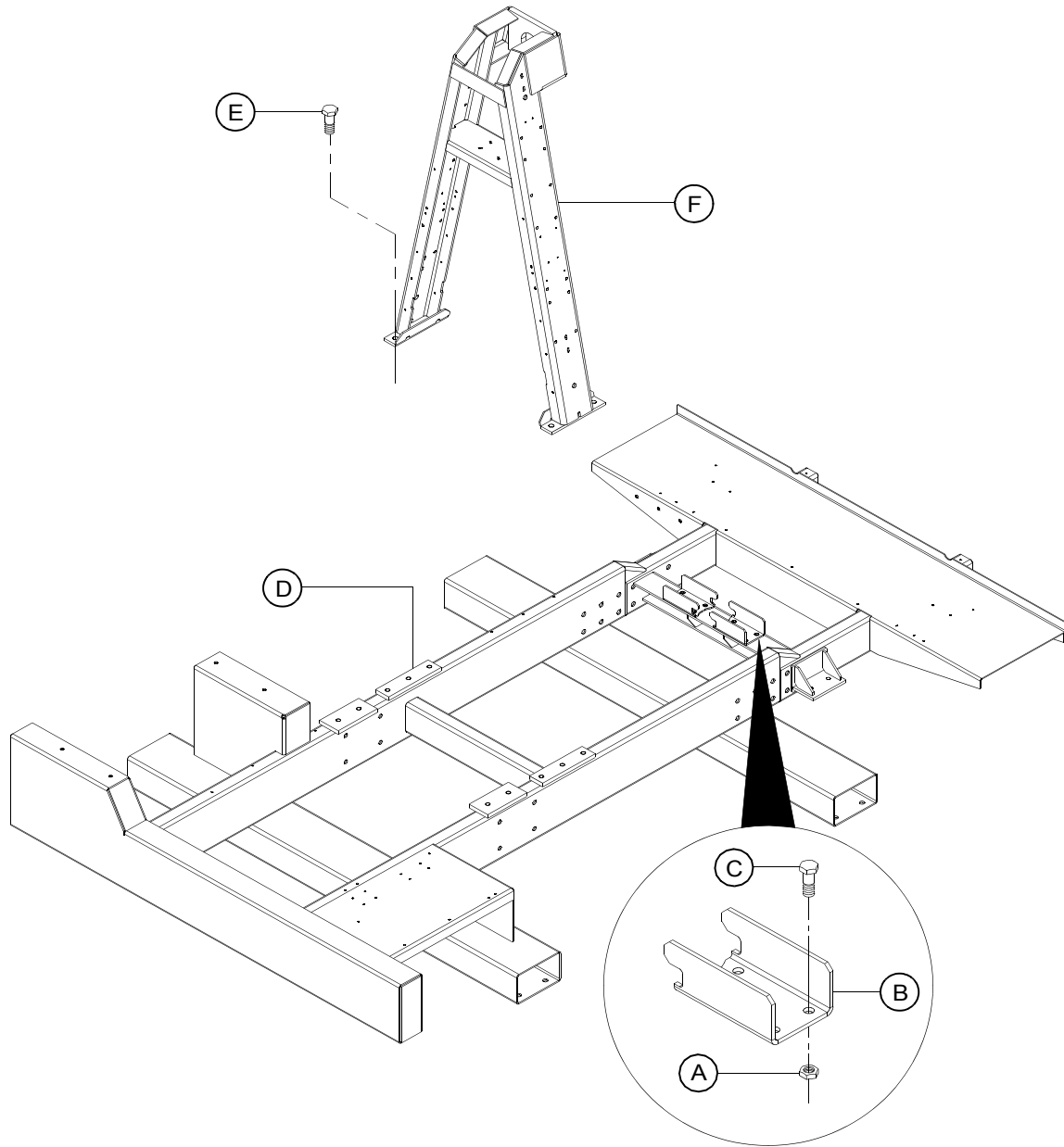
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Parts List

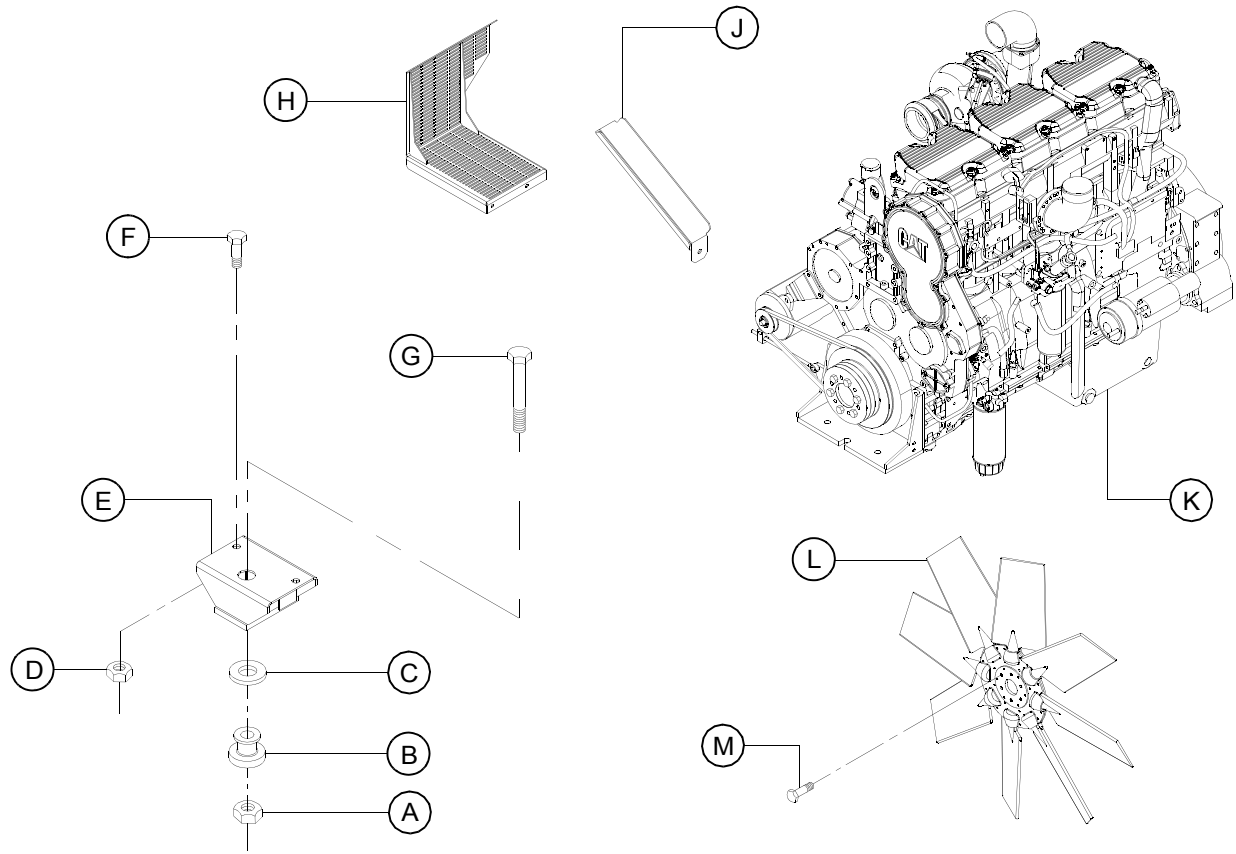


Frame Assembly



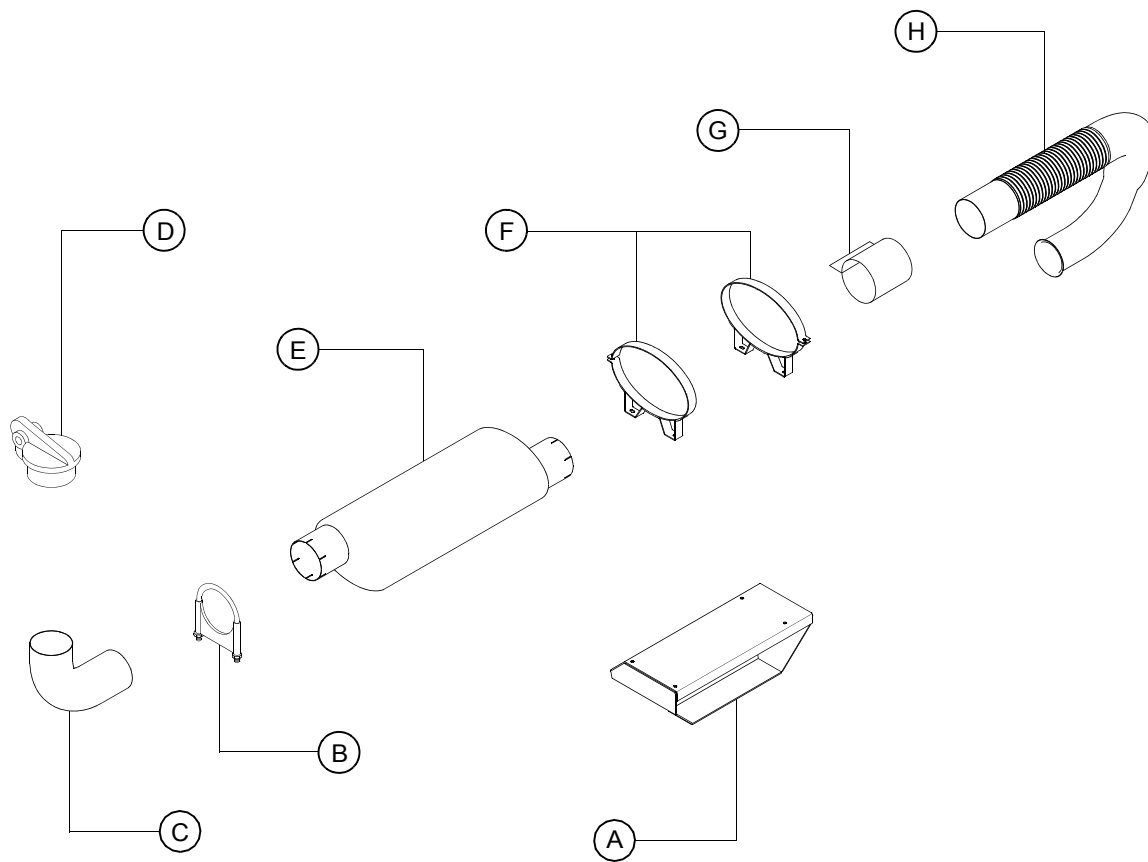
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36879203	Nut	8	
B	22417471	Restraint, Front	2	
C	36888055	Screw	8	
D	22966378	Frame	1	
E	96700901	Screw	6	
F	22186845	Liftbail, Offset	1	

Engine Assembly



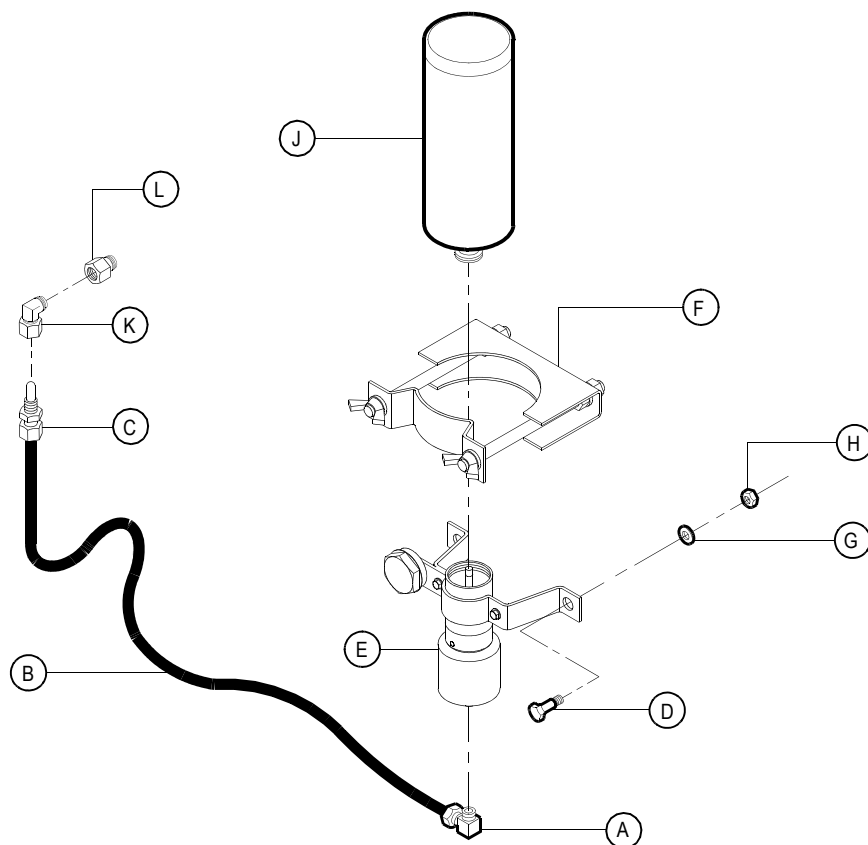
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95923303	Nut	1	
B	35584556	Mount, Rubber	1	
C	35273937	Washer	1	
D	95922928	Nut	2	
E	54613351	Bracket, Engine Mounting	1	
F	95934378	Screw	2	
G	95934253	Screw	1	
H	22095525	Guard, Turbo	1	
J	35252493	Screw (Guard To Engine)	2	
	22102859	Support, Turbo Guard	1	
	36797652	Screw (Support To Guard)	2	
K	35252493	Screw (Support To Engine)	1	
	22536940	Engine, Cat (Tier 3)	1	
	35362235	Engine Oil Filter	1	
	22090526	Engine Fuel Filter	1	
	22730014	Engine Water Separator	1	
	22730022	Engine Water Separator Bowl	1	
L	36884047	Fan, Engine	1	
M	95920708	Screw	6	

Exhaust Assembly



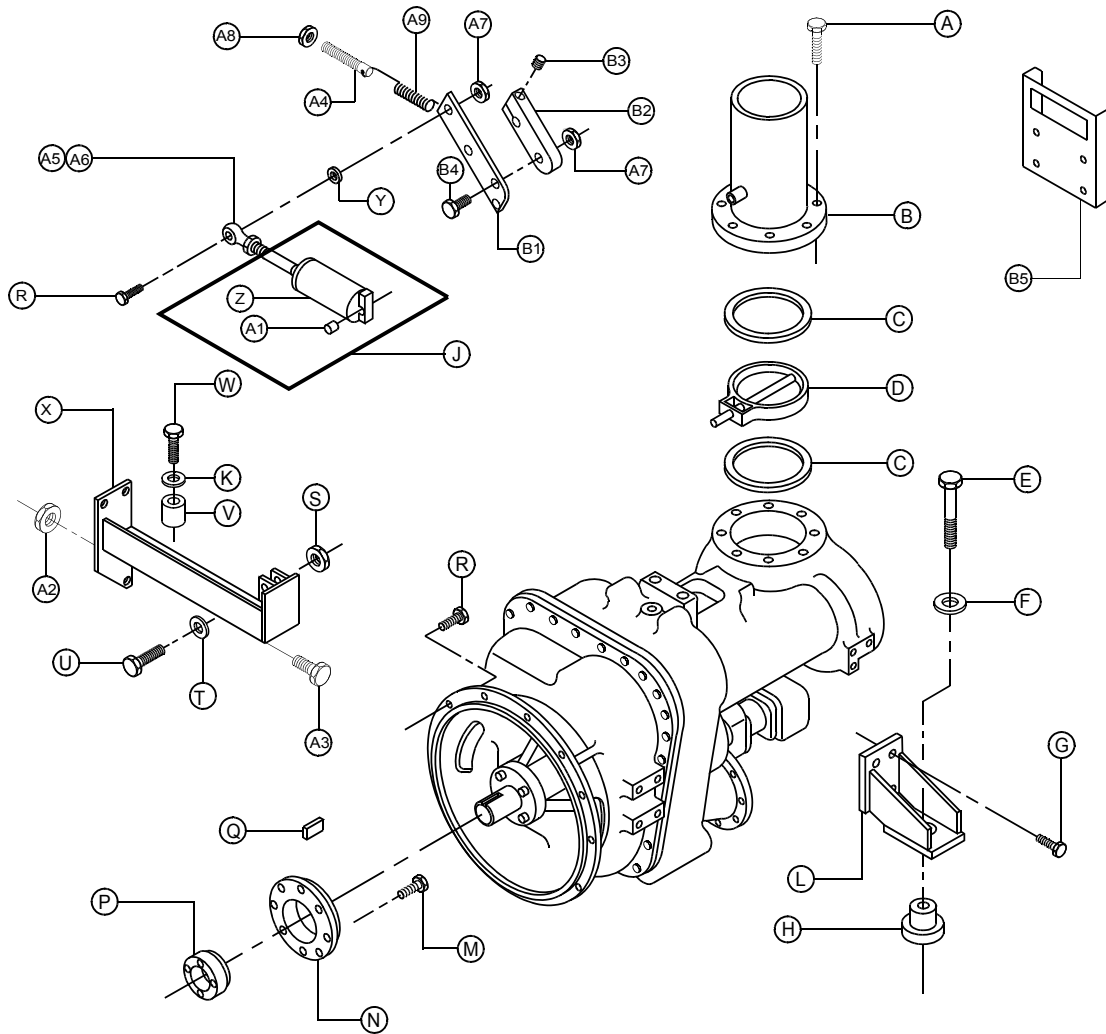
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22150734	Bracket, Muffler Mounting	1	
	36880995	Screw (To Lifting Bail)	4	
	36879195	Nut (To Lifting Bail)	4	
B	36896579	Clamp, Saddle	1	
C	23045545	Pipe, Tail	1	
D	35851351	Cap, Rain	1	
E	22139455	Muffler	1	
F	35806728	Band, Mounting	1	
	36880995	Screw (To Muffler Bracket)	4	
	36879195	Nut (To Muffler Bracket)	4	
G	36799807	Clamp, Seal	1	
H	22172748	Pipe, Flex	1	

Starting Aid Assembly



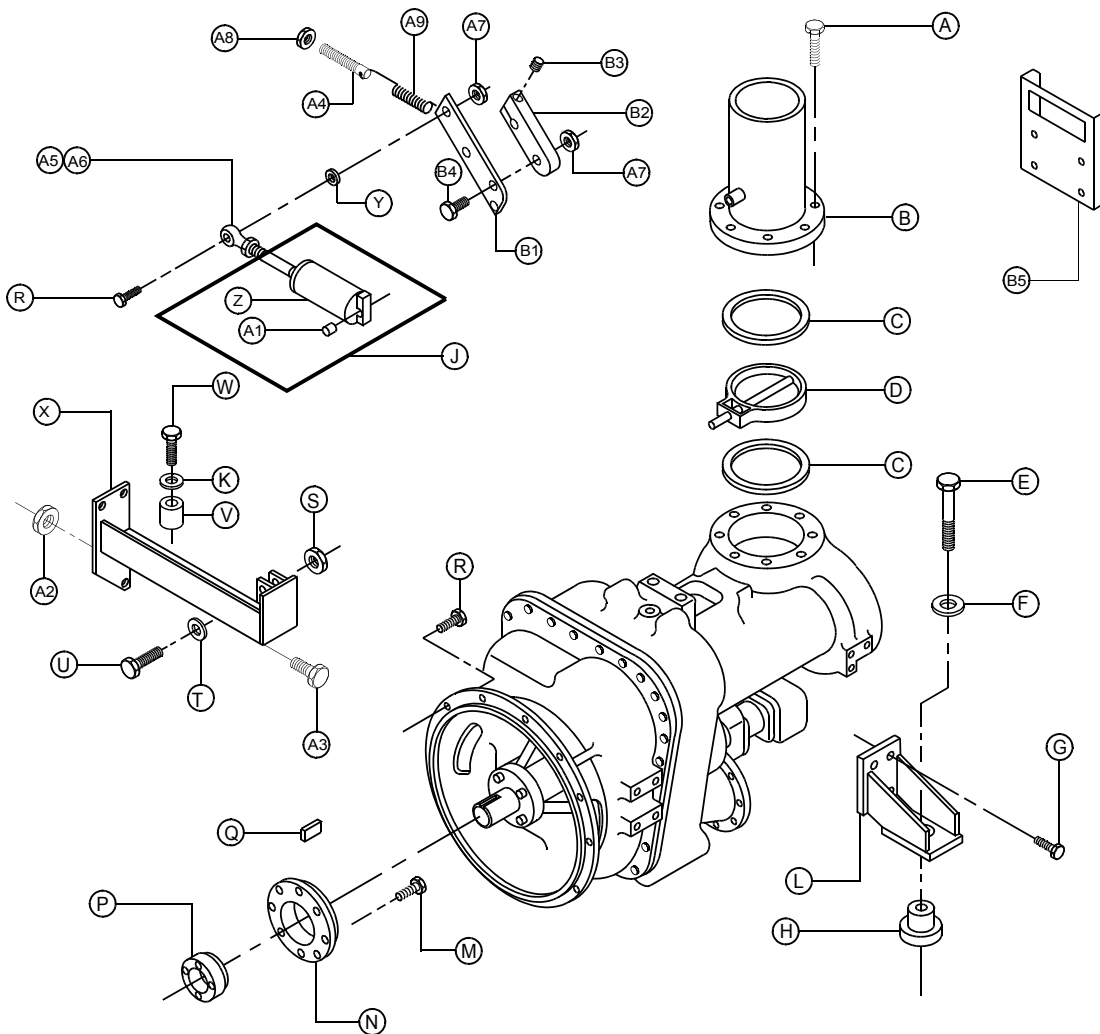
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35103498	Elbow	1	
B	35132174	Tubing	1	
C	35306166	Atomizer	1	
D	35322908	Screw	2	
E	35306158	Valve And Bracket	1	
F	35103506	Clamp	1	
G	95043196	Washer	2	
H	92304500	Nut	2	
J	35112911	Cylinder, Ether	1	
K	35290253	Elbow	1	
L	35316348	Adapter	1	
	35306182	Starting Aid Assembly (Includes Items A, B, C, E, And F)	1	

Air End Complete



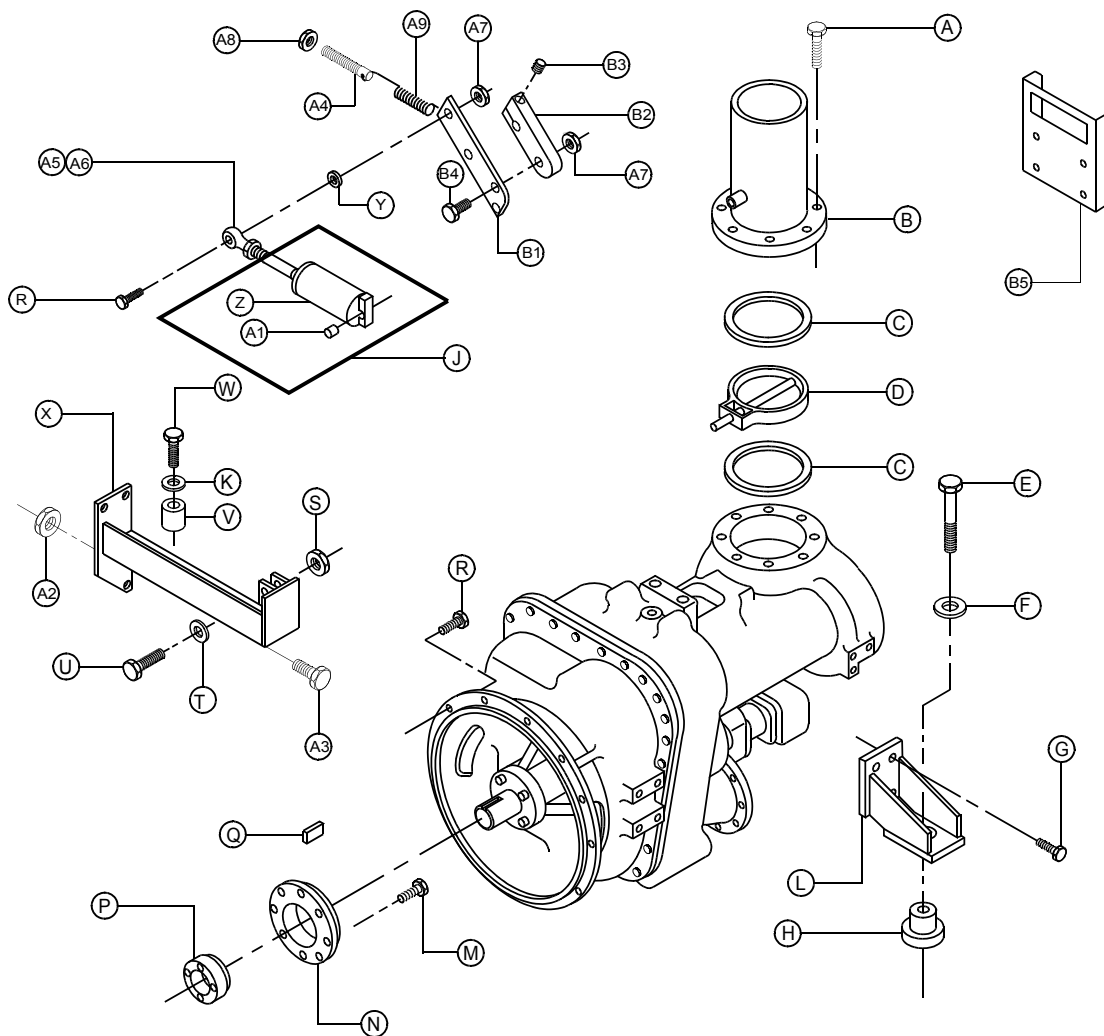
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35375963	Screw	8	
B	36884997	Flange, Intake	1	
C	36754059	Gasket	2	
D	36884112	Valve, Butterfly	1	
E	96700919	Screw	2	
F	35273937	Washer, Snubber	2	
G	35375856	Screw	8	
H	35584556	Mount, Rubber	2	
J	22377212	Kit, Bushing With Cylinder	1	
K	95935011	Washer	2	
L	22312300	Bracket, Mounting	2	
M	95941092	Screw	12	
N	54540141	Coupling	1	
P	36897916	Bushing	1	
Q	36795102	Key	1	
R	95934626	Screw	12	Continued.....

Air End Complete



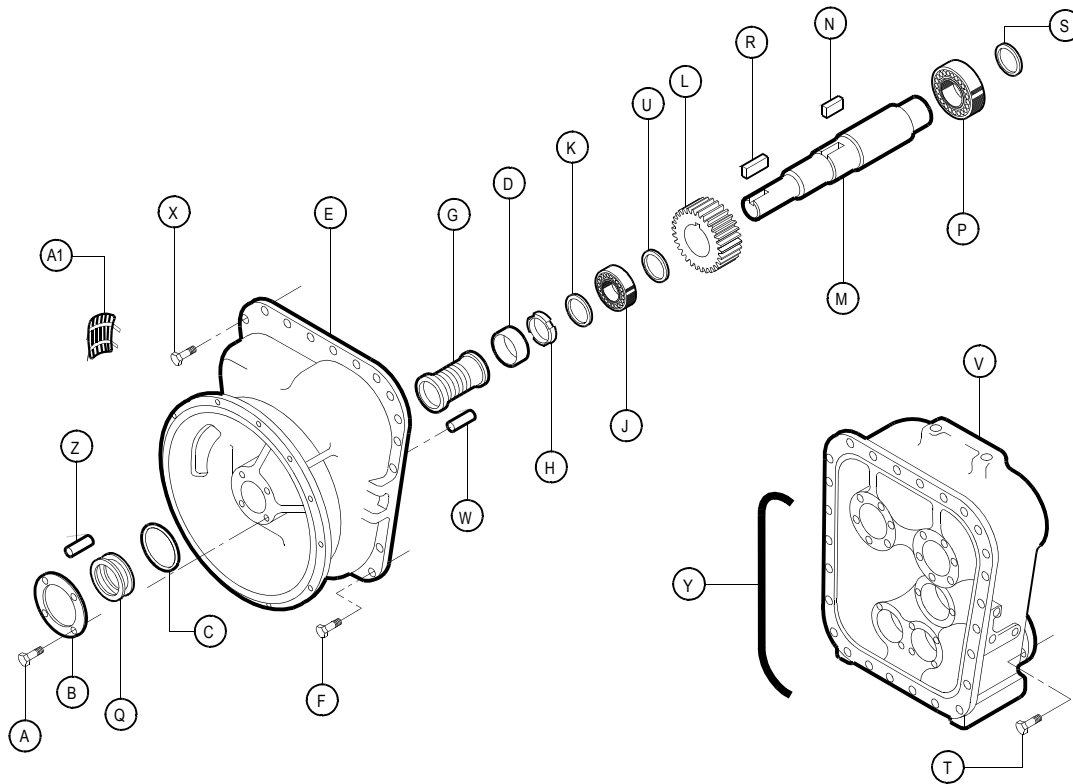
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	95923314	Nut	1	Continued
T	95934998	Washer, Flat	1	
U	35288893	Pivot, Lever	1	
V	36898450	Spacer	2	
W	35375963	Screw	2	
X	36898005	Bracket, Air Cleaner	1	
Y	95935037	Washer, Flat	1	
Z	35584689	Cylinder, Air	1	
A1	35288885	Bushing	1	
A2	95922894	Nut, Jam	1	
A3	35611680	Bolt	1	
A4	35605799	Rod, Adjuster	1	
A5	35300532	Bearing, Rod End	1	
A6	95926028	Nut	1	
A7	95923330	Nut	1	
A8	35145077	Nut	2	

Air End Complete



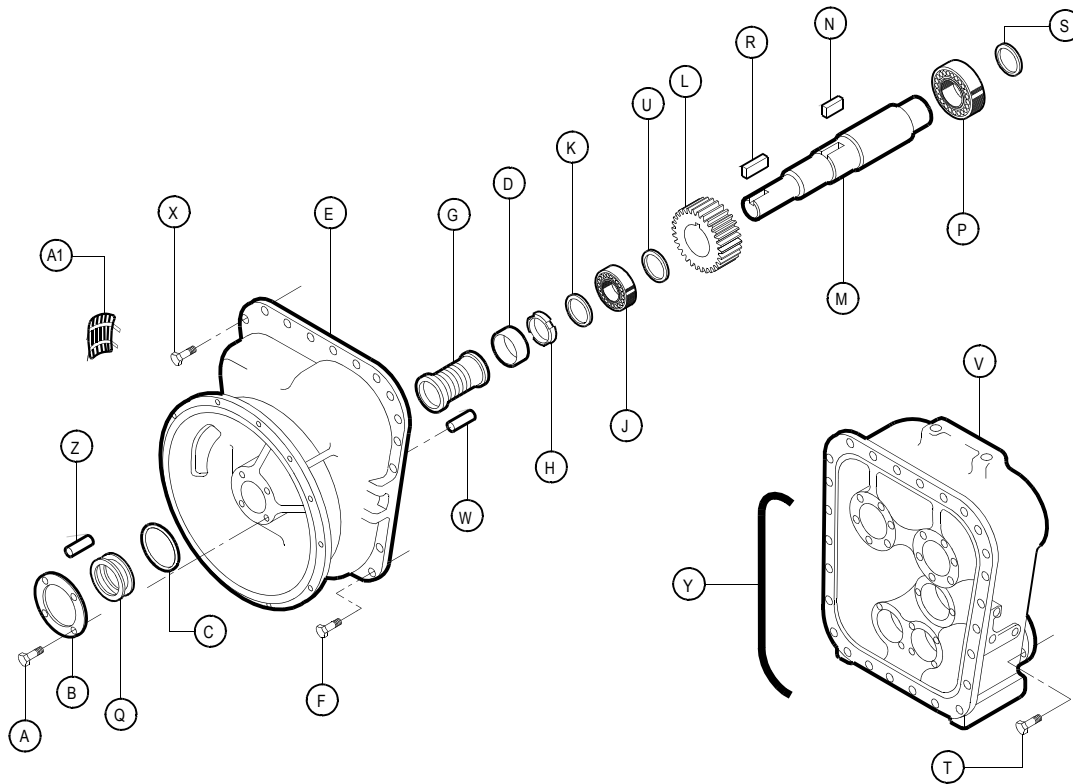
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A9	36876258	Spring	1	 <i>Continued</i>
B1	35607910	Lever, Regulation	1	
B2	35264951	Lever, Control	1	
B3	95500369	Screw, Set	1	
B4	95934782	Screw	1	
B5	22312789	Restraint, Air End	2	
	96727896	Screw	8	
	95935003	Washer	8	
	96701743	Nut	8	

HR2.5 Air End Assembly



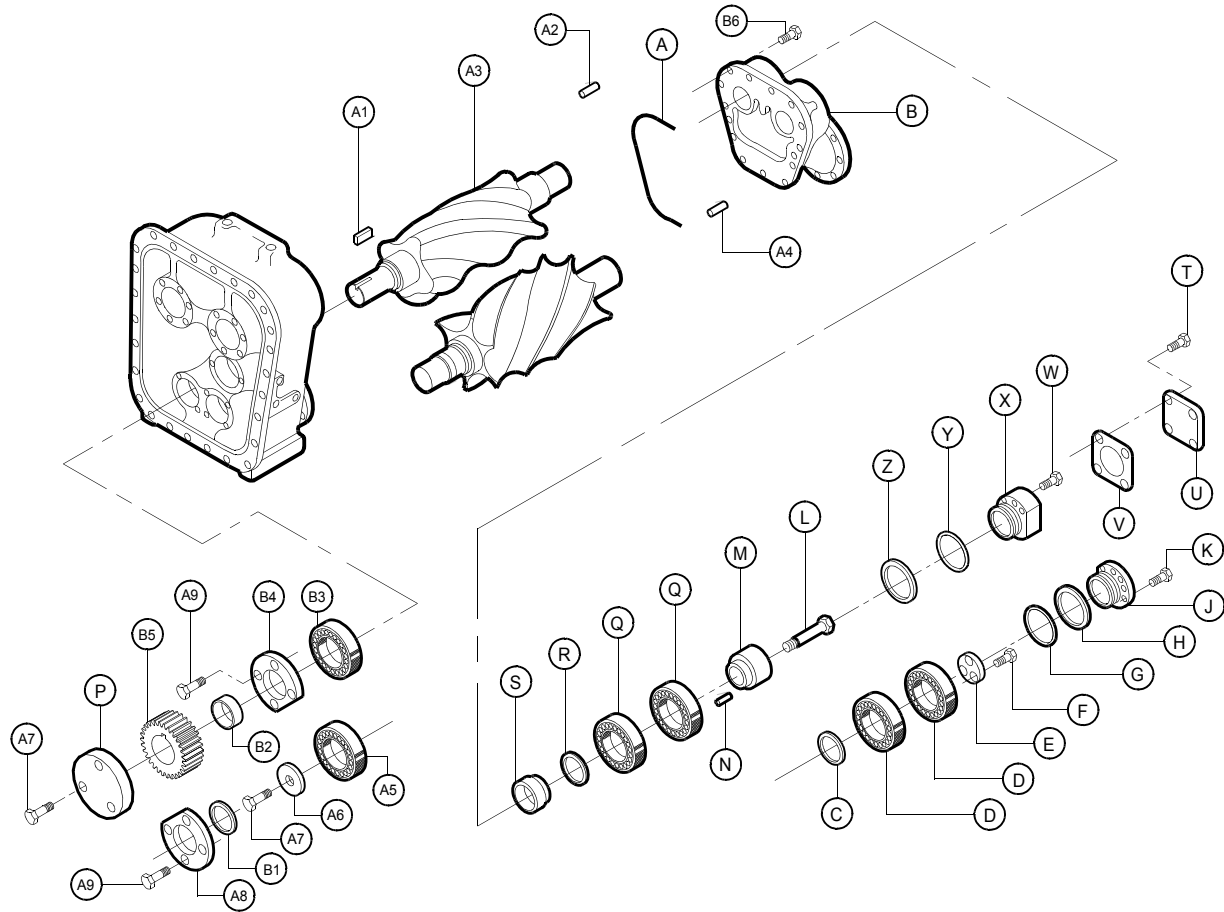
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702295	Bolt	4	
B	39577648	Cover, Oil Seal	1	
C	35355536	O-Ring	1	
D	36795128	Spacer	1	
E	36793750	Case, Gear	1	
F	96706262	Bolt	-	
G	39929351	Seal, Oil	1	
H	36795169	Nut, Lock	1	
J	36511640	Bearing	1	
K	36795136	Spacer	1	
L	54637897	Gear Set (1170cfm @ 1800rpm)	1	Continued.....

HR2.5 Air End Assembly



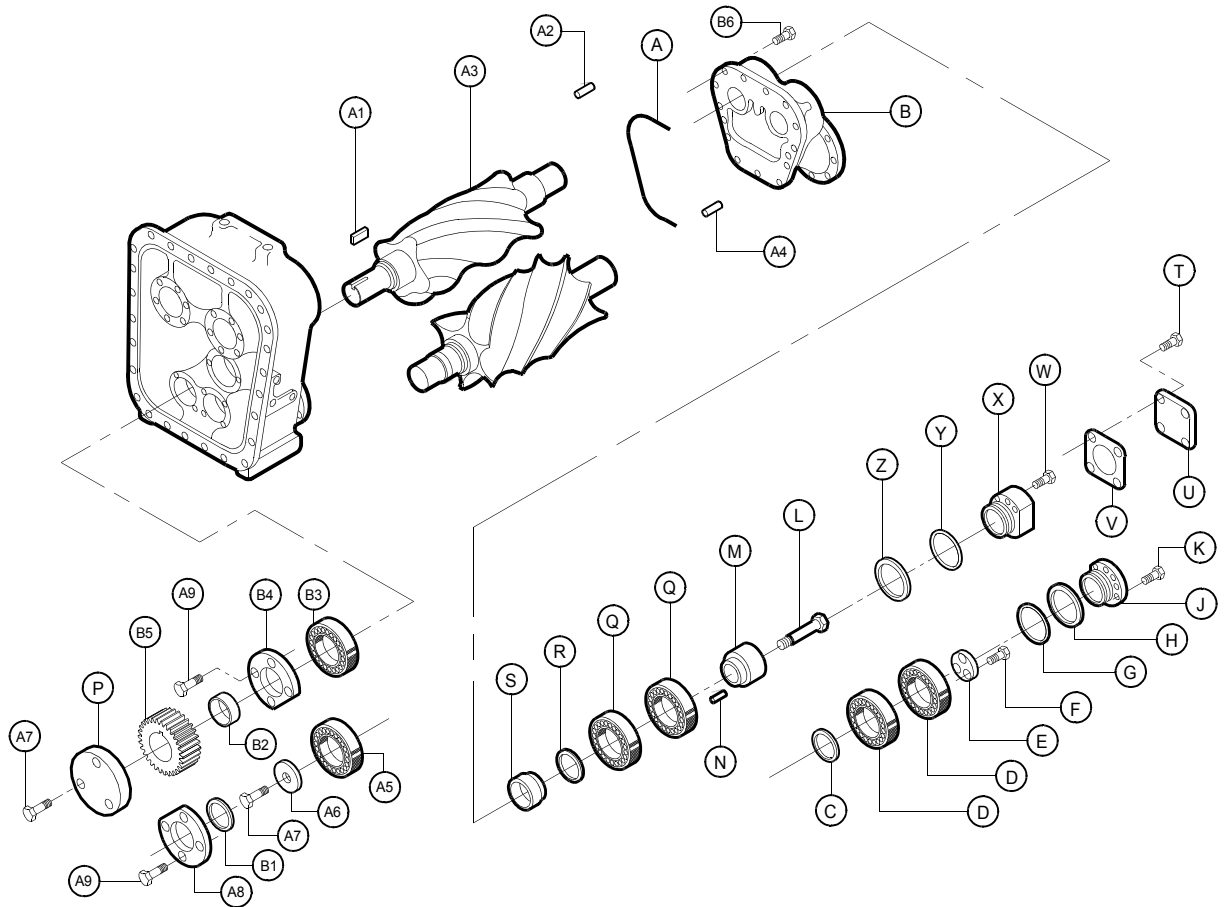
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	36792836	Shaft, Drive	1	Continued
N	36795110	Key	1	
P	35610203	Bearing	1	
Q	36795151	Shim Set	1	
R	36795102	Key	1	
S	35372010	Spacer	1	
T	35272533	Screw	16	
U	36795144	Spacer	1	
V	36861367	Housing, Main	1	
W	35336122	Dowel	1	
X	35272541	Bolt	-	
Y	35355775	O-Ring	1	
Z	95650529	Pin, Roll	1	
A1	36798205	Guard, Wire	2	

HR2.5 Air End Assembly



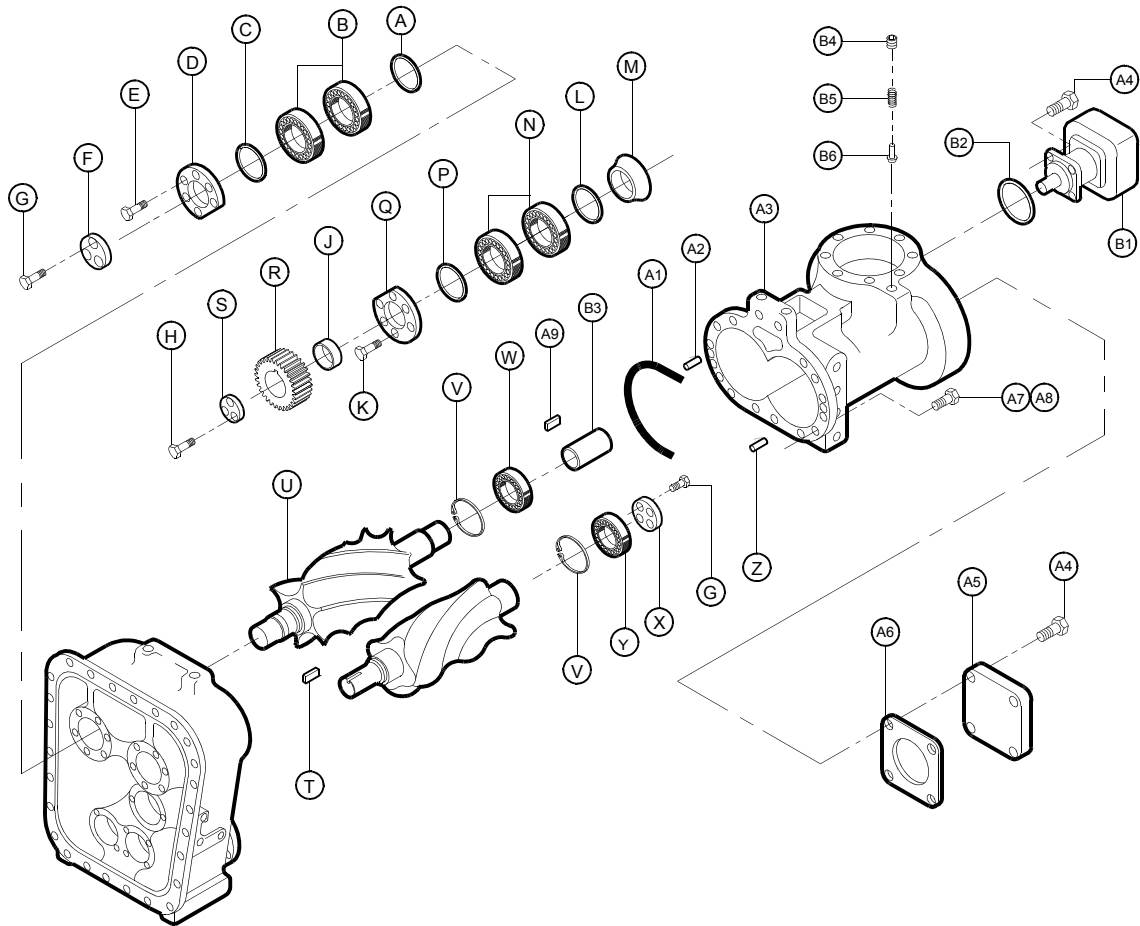
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35355791	O-Ring	1	
B	36738128	Housing, Rear Bearing	1	
C	35355874	Set, Shim	1	
D	35600113	Bearing, Tapered Roller	2	
E	35355957	Plate, Clamp	1	
F	35311463	Screw	3	
G	95026290	O-Ring	1	
H	35355924	Set, Shim	1	
J	35856350	Cover, Rear Bearing	1	
K	96702295	Screw	6	
L	36851277	Bolt	1	
M	35864644	Coupling	1	
N	95069522	Dowel	1	
P	36847200	Clamp, Plate	1	
Q	35600113	Bearing, Tapered Roller	2	
R	35355874	Set, Shim	1	
S	35355940	Piston, Thrust	1	
T	96712179	Bolt	4	
U	36509388	Plate, Cover	1	
V	35275742	Gasket	1	Continued.....

HR2.5 Air End Assembly



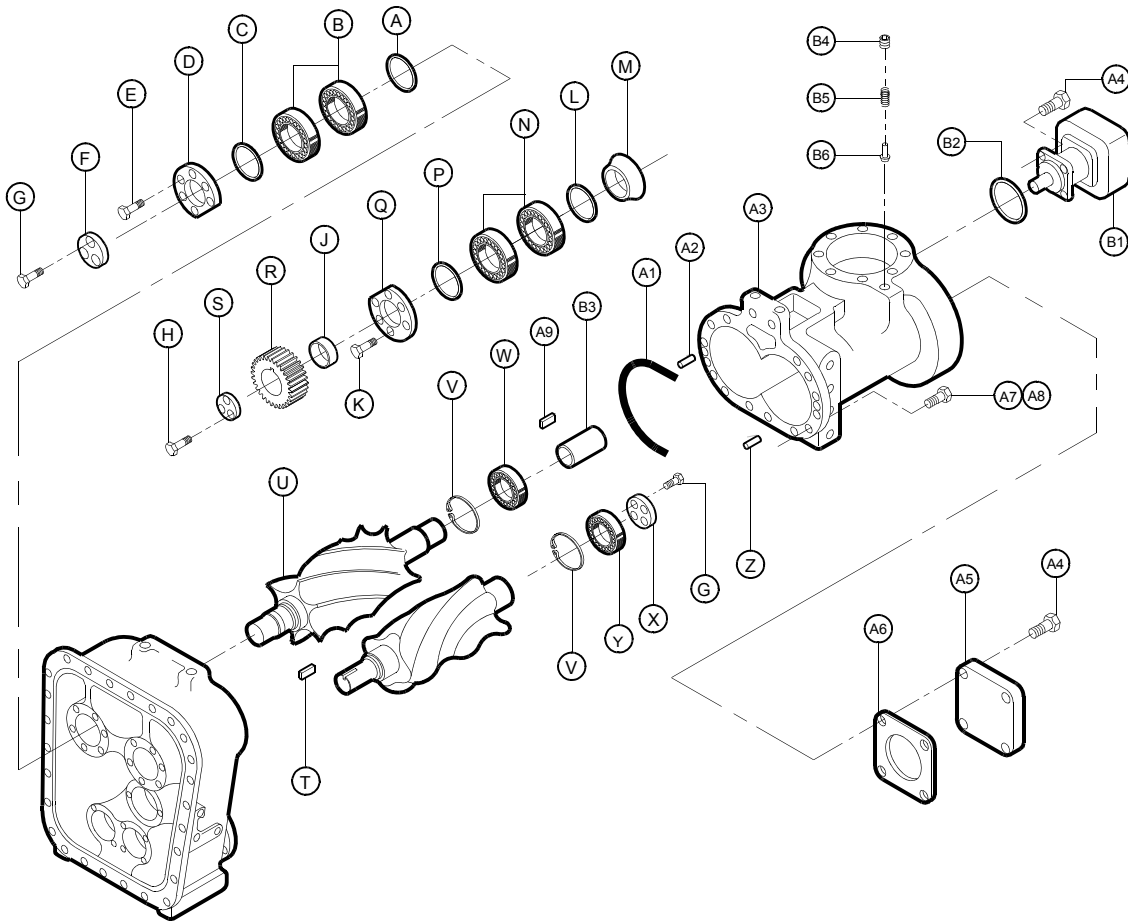
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
W	39125000	Bolt	6	Continued
X	36864676	Cover, Bearing	1	
Y	95026290	O-Ring	1	
Z	35355916	Set, Shim	1	
A1	35355817	Key	1	
A2	35336122	Dowel	1	
A3	36006732	Rotor Set (2nd Stage)	1	
A4	35336130	Dowel	1	
A5	35600014	Bearing, Roller	1	
A6	35300201	Plate, Clamp	1	
A7	35311463	Screw	1	
A8	35355999	Plate, Retaining	1	
A9	35273408	Bolt	4	
B1	35355973	Spacer, Bearing	1	
B2	35355866	Spacer	1	
B3	35600022	Bearing, Roller	1	
B4	35355965	Plate, Retaining	1	
B5	54637897	Gear Set (1170cfm @ 1800rpm)	1	
B6	96712179	Screw	12	

HR2.5 Air End Assembly



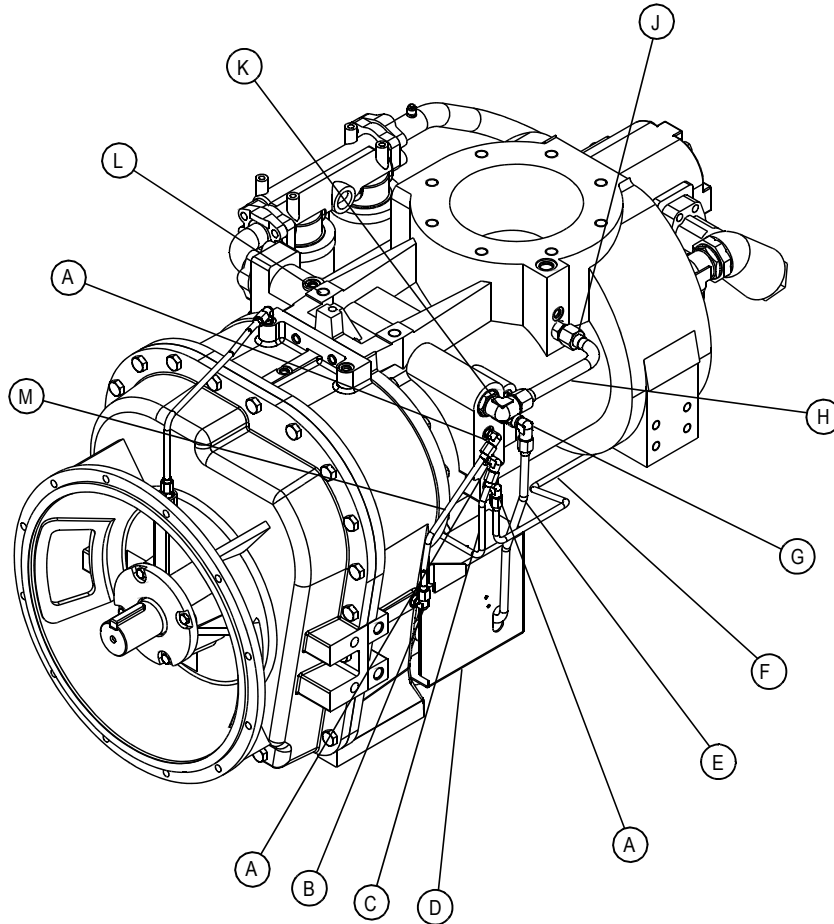
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35355833	Set, Shim	1	Continued.....
B	35600105	Bearing	2	
C	35355767	Set, Shim	1	
D	35856418	Plate, Retaining	1	
E	96716139	Screw	6	
F	36508414	Plate, Retaining	1	
G	35311463	Screw	3	
H	96712187	Screw	3	
J	35355841	Spacer	1	
K	96701487	Screw	6	
L	35355825	Set, Shim	1	
M	35602457	Piston, Thrust	1	
N	35605203	Bearing	2	
P	35355767	Set, Shim	1	
Q	36501013	Plate Retainer	1	
R	54637897	Gear Set (1170cfm @ 1800rpm)	1	
S	35355858	Clamp, Plate	1	
T	35355817	Key	1	
U	36017465	Set, Rotor (1st Stage)	1	
V	95223178	Snap Ring	1	

HR2.5 Air End Assembly



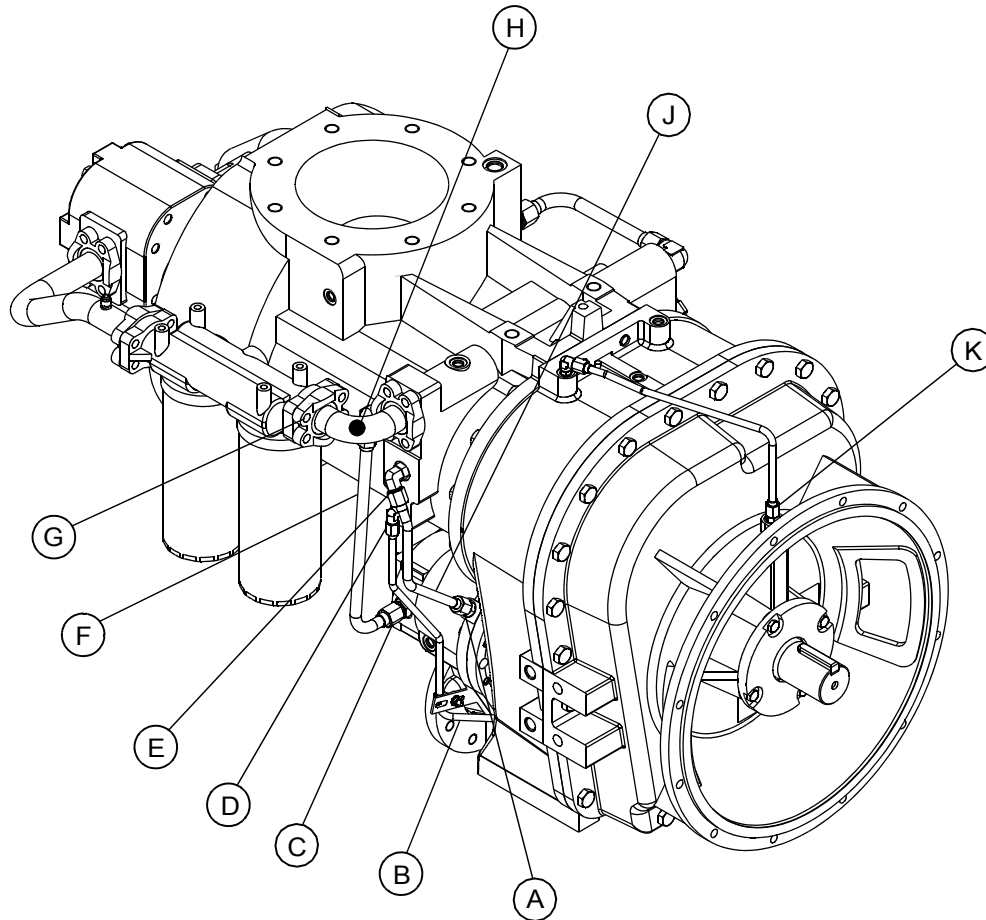
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
W	35600022	Bearing	1	Continued
X	35300193	Clamp, Plate	1	
Y	35600030	Bearing, Roller	1	
Z	35336122	Dowel	1	
A1	35355783	O-Ring	1	
A2	35336130	Dowel	1	
A3	36861193	Housing, Rotor	1	
A4	96706080	Screw	4	
A5	36509388	Plate, Cover	1	
A6	35275742	Gasket	1	
A7	92398239	Screw	-	
A8	35295344	Screw	-	
A9	95340428	Key	1	
B1	36861144	Pump, Oil	1	
B2	95000410	O-Ring	1	
B3	36854701	Coupling	1	
B4	36861557	Plug	1	
B5	36861847	Spring	1	
B6	36861839	Piston	1	

HR2.5 Air End Piping



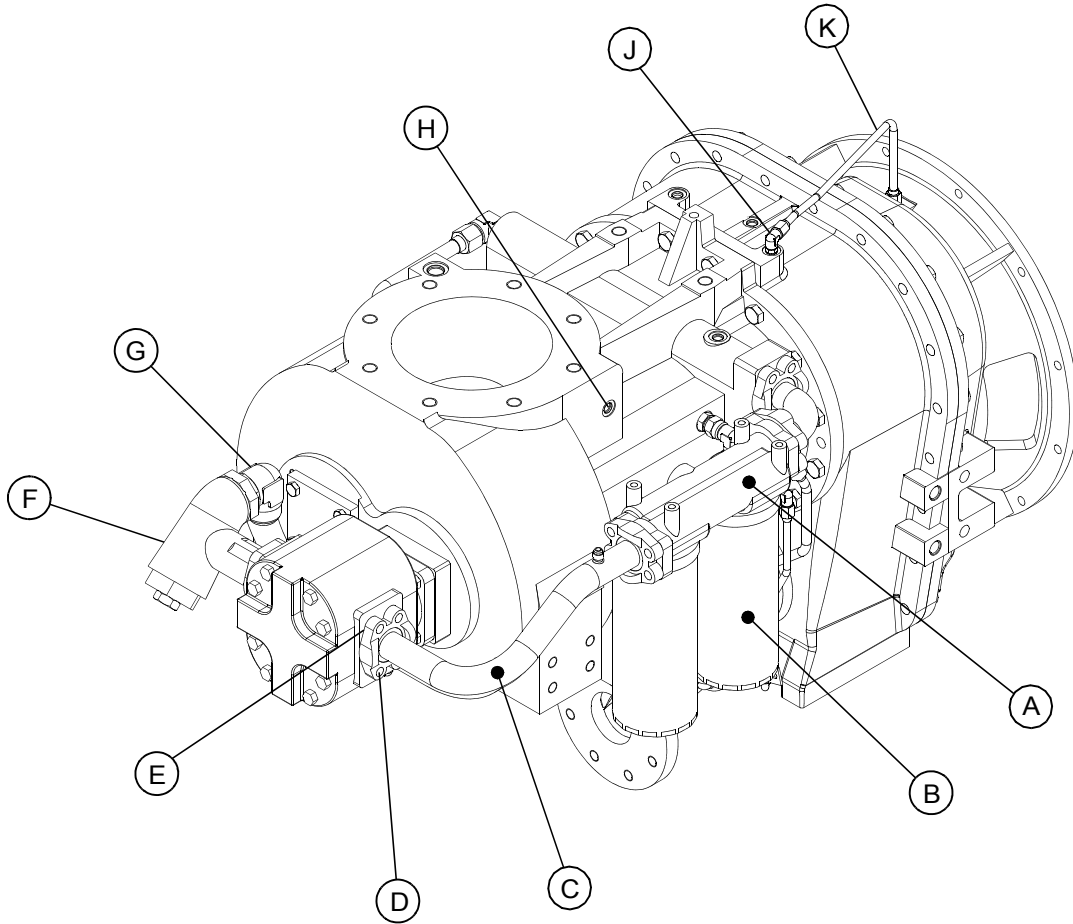
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279827	Elbow	1	
B	35581909	Elbow, Orifice .113"	1	
C	36858124	Tube Assy. (2nd Stage Female Rotor)	1	
D	36845055	Shield, Pressure Relief	1	
	36797652	Screw	1	
	35225093	Washer	1	
E	36861649	Tube Assy. (2nd Stage Female Scavange)	1	
F	36858132	Tube Assy. (1st Stage M & F Inlet Bearing)	1	
	36867109	Clamp	1	
	36769024	Screw	1	
	95935029	Washer	1	
G	35288166	Connector	1	
	35287911	Elbow, Swivel (To Connector)	1	
H	36858165	Tube Assy. (Pressure Relief)	1	
J	35296433	Connector	1	
K	36861540	Elbow	1	
L	95938205	Plug	5	
M	36858116	Tube Assy. (Rear Bearing)	1	

HR2.5 Air End Piping



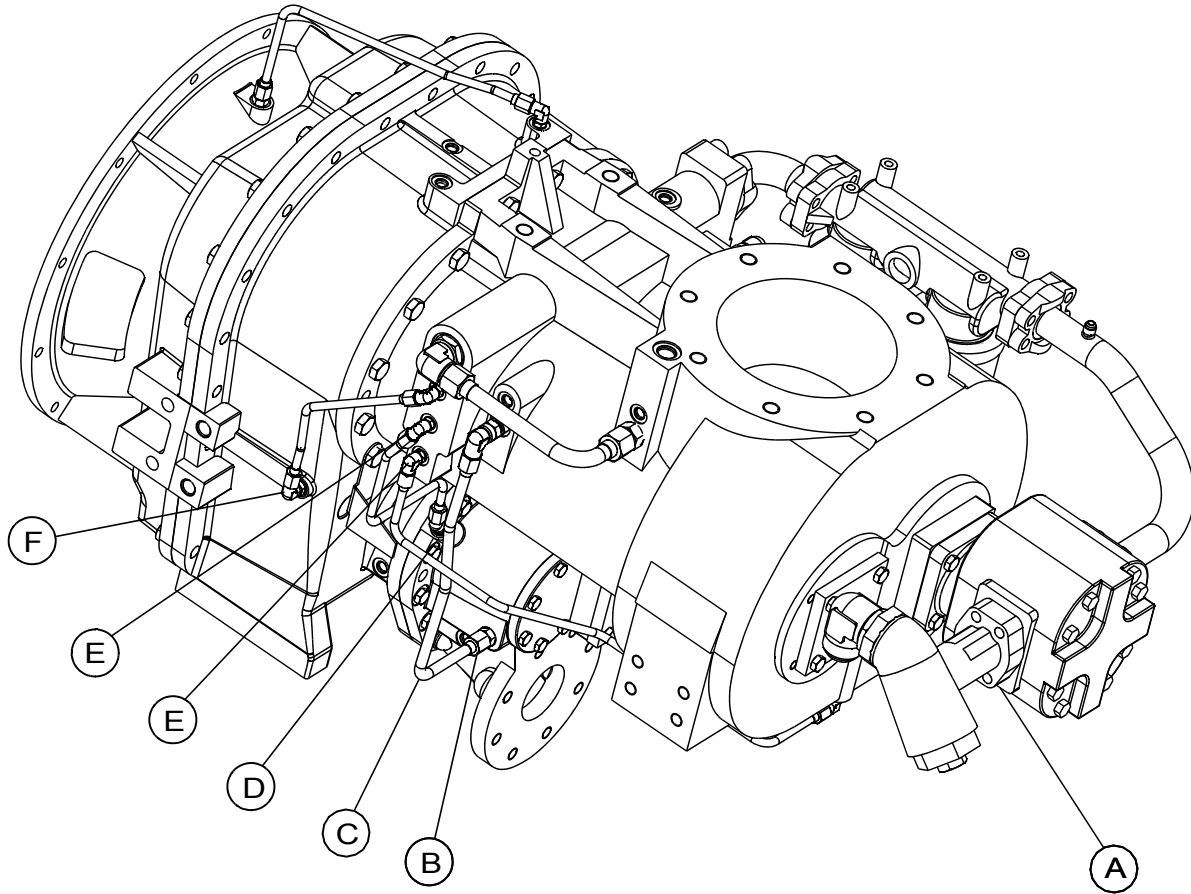
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35287895	Connector	1	
B	36858157	Tube Assy. (2nd Stage Inlet Bearing)	1	
	35118033	Bracket	1	
	36867109	Clamp	1	
	35144328	Screw	1	
	35144492	Nut	1	
C	35286954	Connector	1	
D	35279827	Elbow	1	
E	35279801	Elbow	1	
F	36858199	Tube Assy. (2nd Stage Male Rotor)	1	
	95303376	Connector	1	
	35305648	Elbow, Swivel	1	
G	95104170	Screw	8	
	95357943	O-ring	2	
H	39882741	Tube Assy. (Filter Outlet)	1	
J	36858140	Tube Assy. (2nd Stage Male Disch. Bearing)	1	
K	35364991	Connector, Orifice .093"	1	

HR2.5 Air End Piping



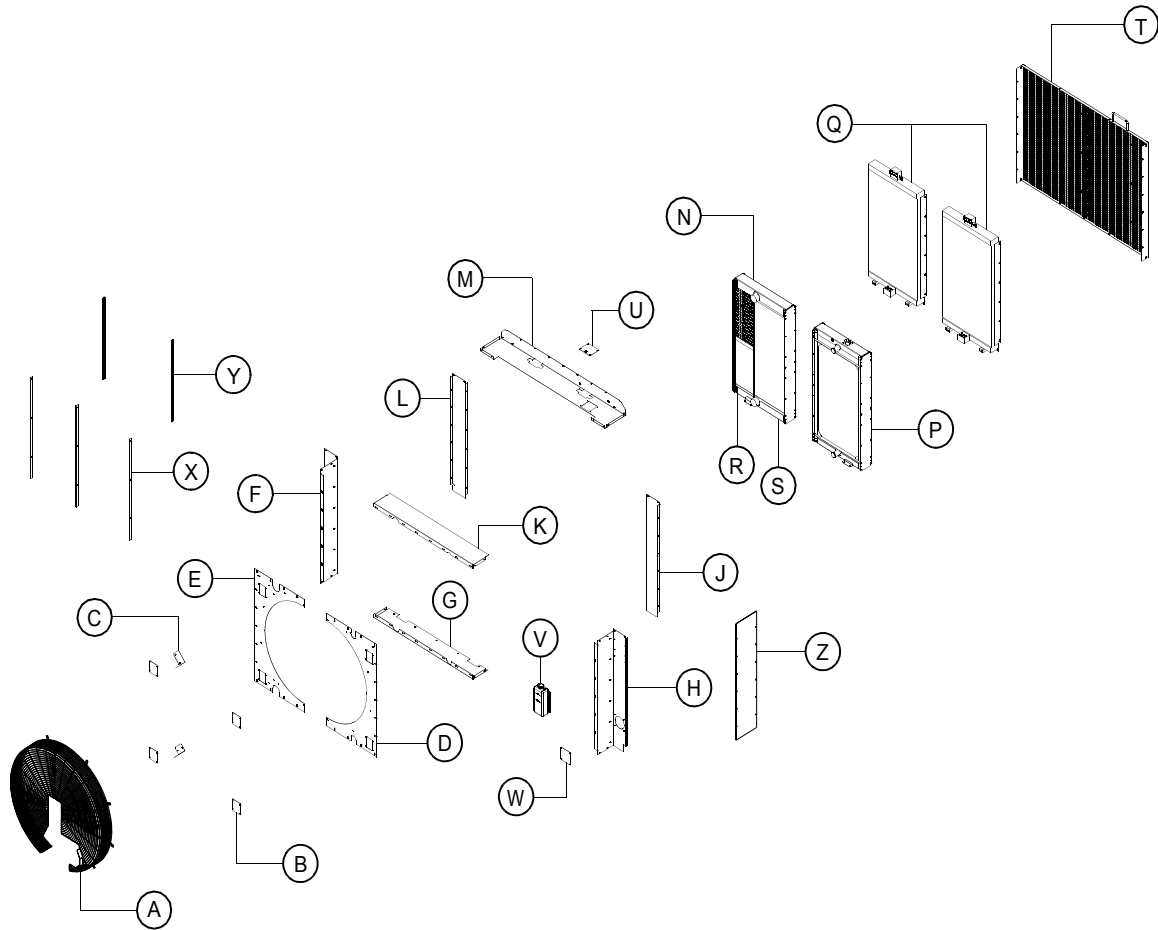
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36860476	Filter Assembly	1	
B	36860336	Element, Filter	2	
C	39882733	Tube Assy. (Pump Outlet)	1	
D	95104196	Screw	8	
E	95357943	O-ring	1	
	95357919	O-ring	1	
F	35092279	Strainer Assembly	1	
	95934733	Washer	4	
	95104170	Screw	4	
	95357943	O-ring	1	
	35370063	Screen	1	
G	95431292	Elbow	1	
H	95938205	Plug	1	
J	35279827	Elbow	1	
K	36858108	Tube Assy. (Front Seal)	1	

HR2.5 Air End Piping



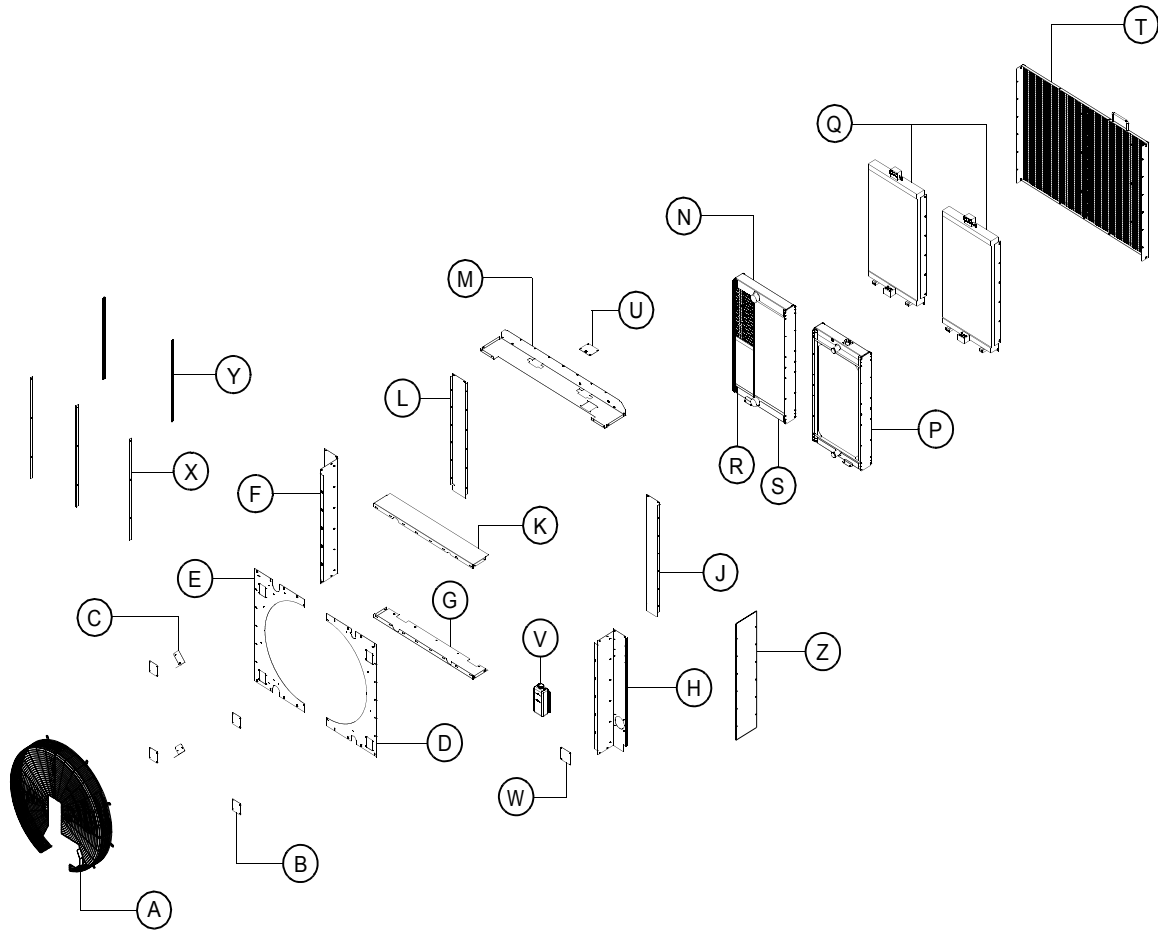
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95357943	O-ring	1	
B	35287895	Connector	1	
C	36861649	Tube Assy. (2nd Stage Fem. Brg. Scavange)	1	
D	95951423	Nipple	1	
	95953428	Tee	1	
	39588041	Valve, Pressure Relief	1	
E	35279827	Elbow	1	
F	35581909	Elbow	1	

Coolers And Mounting



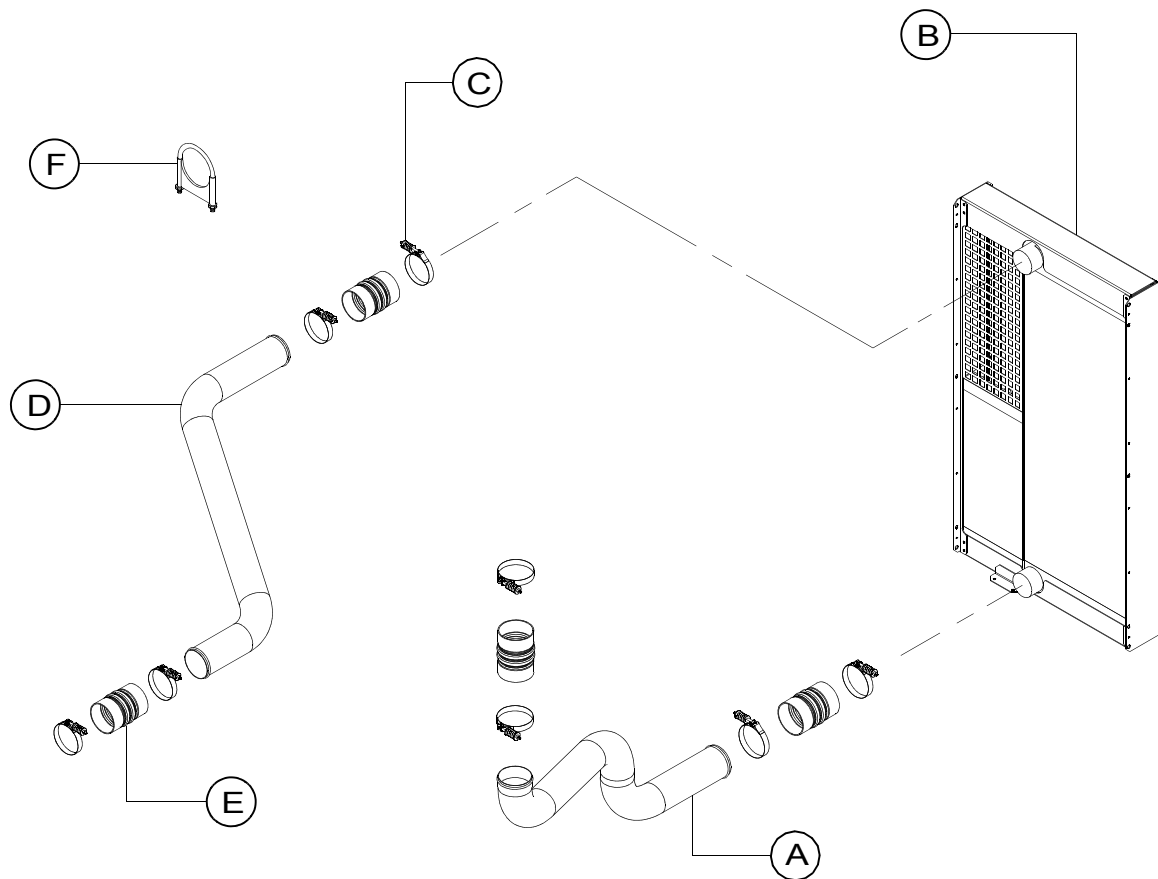
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23033004	Fan Guard Assembly	1	<i>Continued.....</i>
B	54661426	Plate, Cover	4	
C	54661459	Bracket	2	
D	54507488	Orifice, Left Fan	1	
E	54507470	Orifice, Right Fan	1	
F	54669114	Support, Right Shroud	1	
G	54669098	Support, Bottom Shroud	1	
H	22098958	Support, Left Shroud	1	
J	22762207	Support, Left Rear Shroud	1	
K	54669106	Support, Top Shroud	1	

Coolers And Mounting



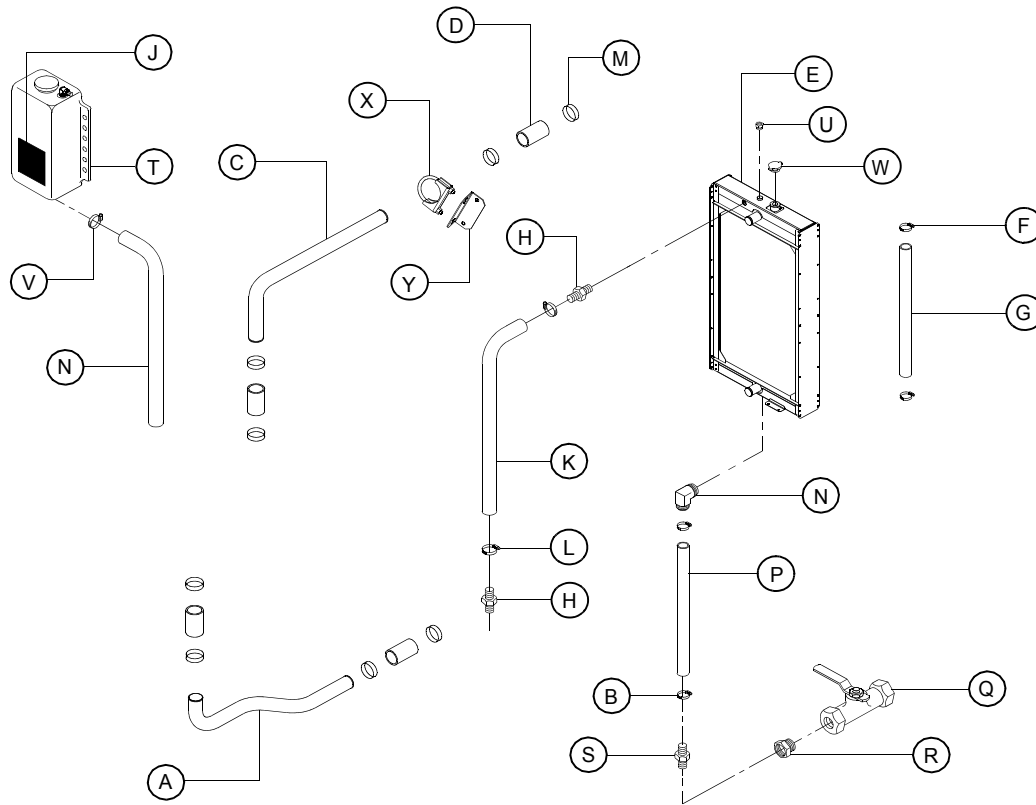
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22762199	Support, Right Rear Shroud	1	 <i>Continued</i>
M	22633143	Support, Top Rear Shroud	1	
N	54501846	Cooler Assembly	1	
P	22767453	Radiator	1	
Q	54627161	Cooler, Oil	2	
R	22247399	Cooler, Fuel	1	
S	22247407	Cooler, Charge Air	1	
T	22417018	Guard, Brush	1	
U	22633150	Plate, Cover	1	
V	36845600	Bottle, Coolant Recovery	1	
W	22686562	Plate, Cover	1	
X	22494298	Isolater, Cooler	3	
Y	22498299	Spacer, Cooler	1	
Z	22150288	Cover, Clean-out	2	
	35368216	Foam (Baffle Seal At Radiator)	2	

Charge Air Piping



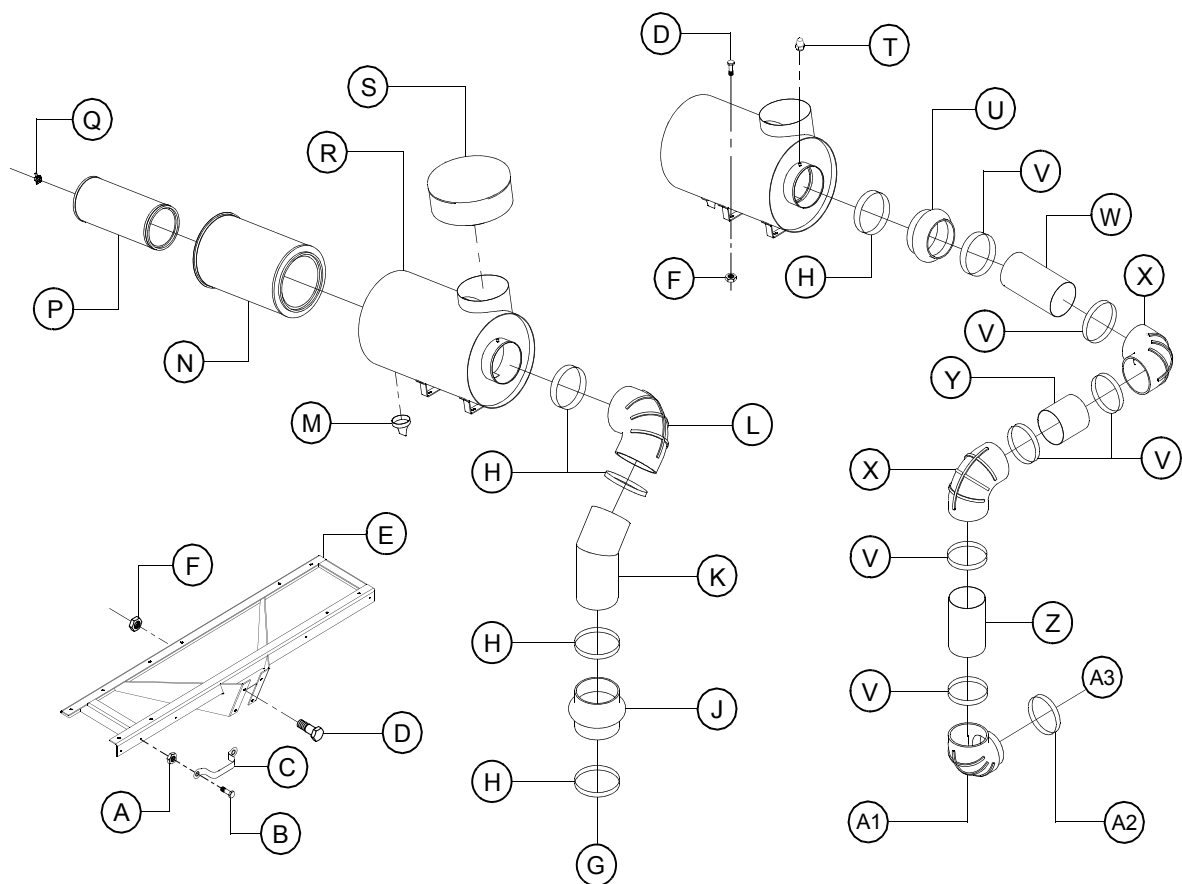
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54639976	Tube, Bottom (Standard Unit)	1	
	23059249	Tube, Bottom (Engine Overspeed Option)	1	
B	54501846	Cooler, Charge Air	1	
C	54444427	Clamp	8	
D	22716906	Tube, Upper	1	
E	54422522	Hose, Ribbed	4	
F	35111731	Clamp, Support	2	

Radiator Piping



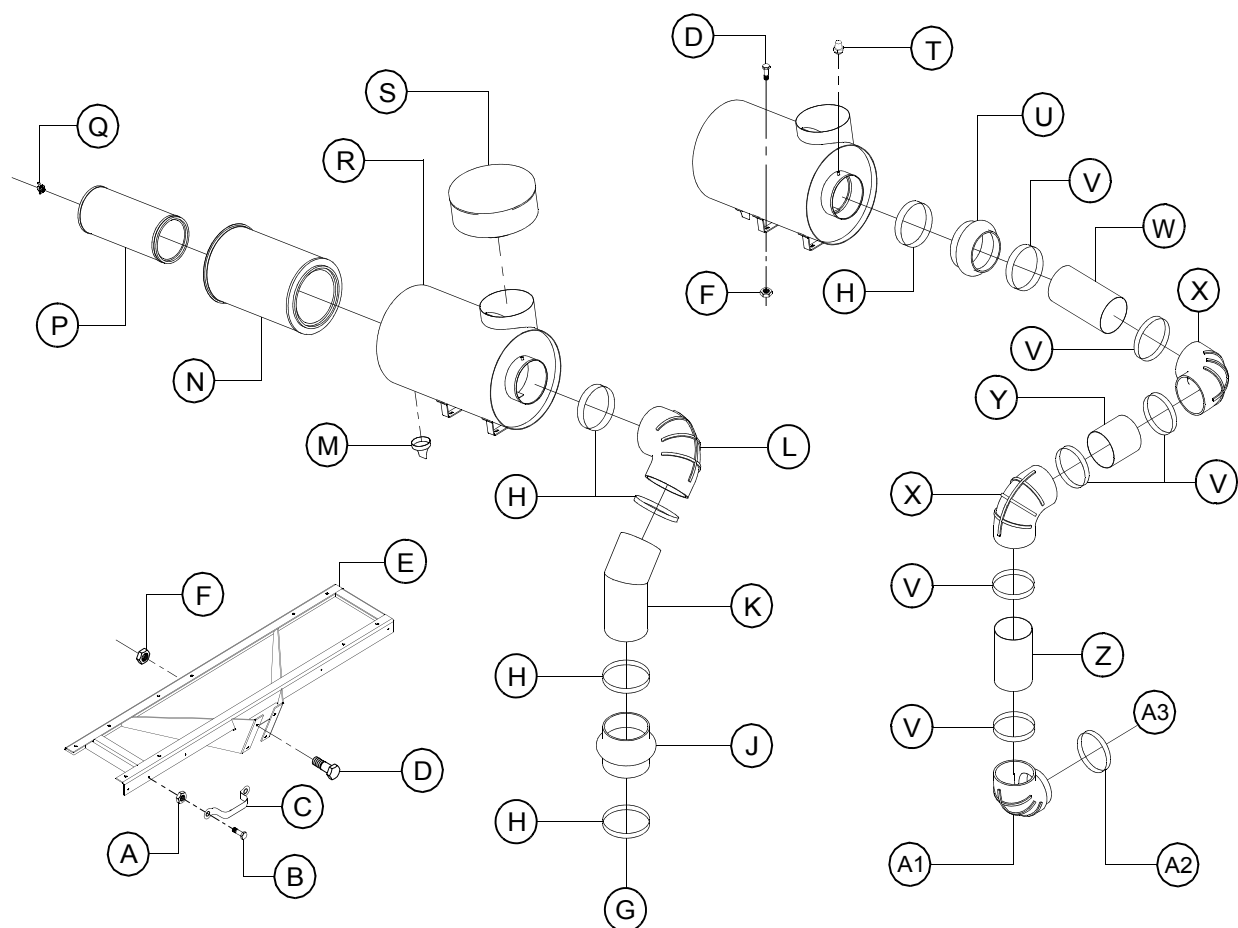
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54642343	Tube, Lower Radiator	1	
B	95220844	Clamp	2	
C	54642350	Tube, Upper Radiator	1	
D	35330570	Hose, Connector	4	
E	22767453	Radiator	1	
F	95235131	Clamp	2	
G	35135458	Hose, By-pass (55 inches)	1	
H	35310598	Fitting, Barbed	1	
J	22265565	Decal, Hot / Cold Fill	1	
K	35285600	Hose, Vent (52 inches)	1	
L	95264776	Clamp	2	
M	35222017	Clamp	8	
N	35360775	Tubing (50 inches)	1	
P	35326578	Hose, Drain (110 inches)	1	
Q	35576115	Valve, Ball	1	
R	95953949	Adapter	1	
S	35326560	Adapter	1	
T	36845600	Bottle, Overflow	1	
U	22102339	Switch, Level	1	
V	35253038	Clamp	2	
W	22078190	Cap, Radiator	1	
X	35209048	Clamp, Saddle	2	
Y	23045404	Bracket, Tube Support	2	

Air Intake



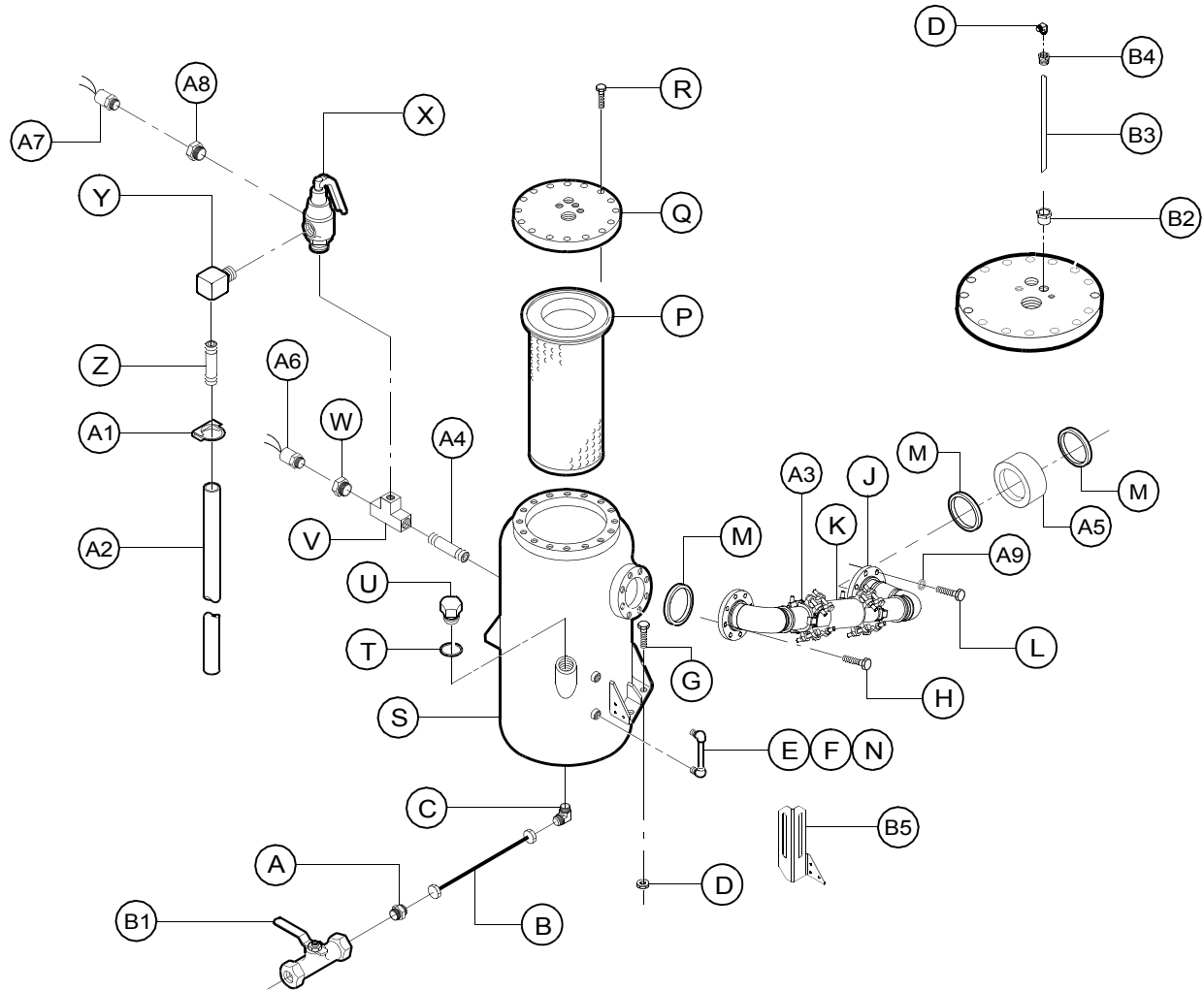
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881886	Nut	2	
B	36889608	Screw	2	
C	35130707	Handle	1	
D	36880995	Screw	12	
E	22971279	Bracket, Air Cleaner	1	
F	36879195	Nut	12	
G		To Air End Intake		
H	35129071	Clamp	1	
J	35120260	Hose, Hump	1	
K	22163653	Tube	1	
L	35120211	Elbow	1	
M	36867778	Evacuator, Dust	2	Continued.....
N	36864361	Element, Primary	2	

Air Intake



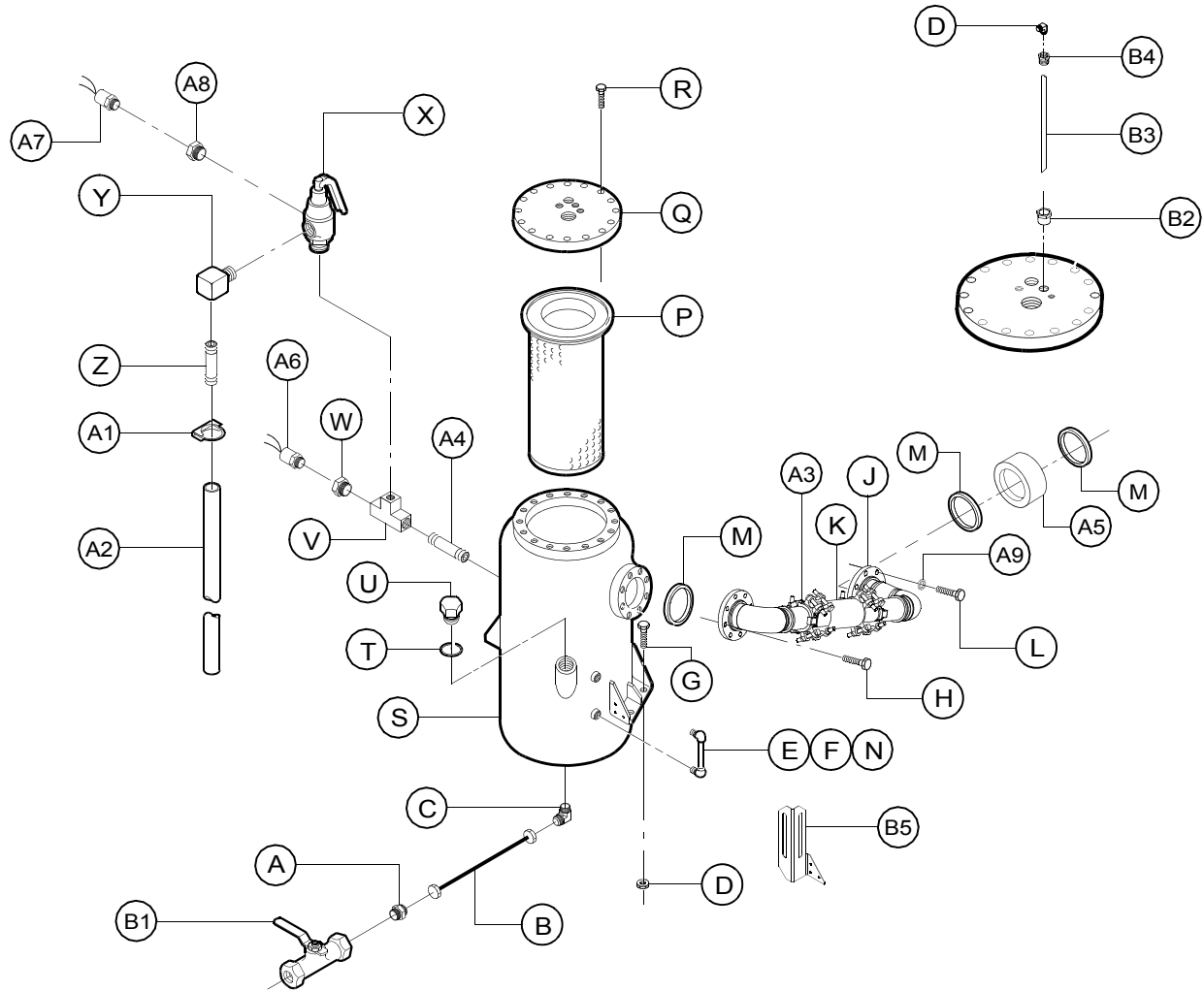
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	36884379	Element, Safety	2	Continued
Q	35388982	Nut, Wing	2	
R	36864346	Air Cleaner Assembly	2	
S	22065510	Hood, Air Cleaner	2	
T	36847838	Switch, 20" Vacuum	2	
U	35141290	Hose, Hump	1	
V	35119858	Clamp	1	
W	35505866	Tube	1	
X	35112630	Elbow	1	
Y	36794964	Tube	1	
Z	36505790	Tube	1	
A1	35583236	Elbow	1	
A2	35123496	Clamp	1	
A3		To Engine Turbo Intake		

Separator Tank Assembly



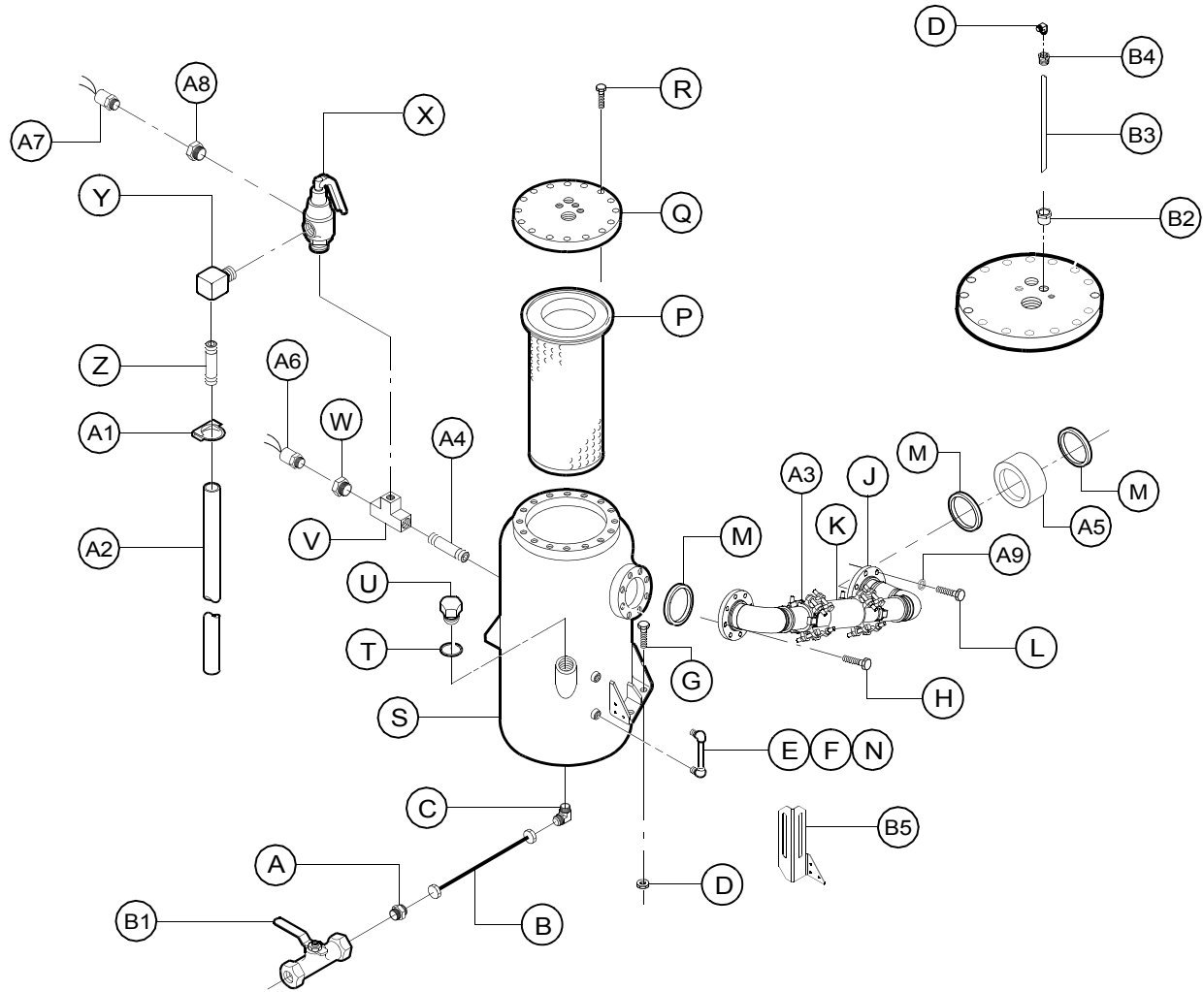
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95219747	Connector	1	
B	36878254	Hose Assembly	1	
C	35294750	Elbow	1	
D	35283464	Elbow	1	
E	22068837	Glass, Sight	1	
F	36890468	Elbow	2	
G	36879492	Screw	4	
H	95934386	Screw	8	
J	22966972	Discharge Hose Assembly	1	
K	22969042	Discharge Hose	1	
L	35376094	Screw (Bottom)	4	
	96705504	Screw (Top)	4	
M	95225116	Gasket	3	
N	35324649	Gasket	2	
P	22402242	Element, Separator	1	
Q	54629159	Cover, Tank	1	
R	95934170	Screw	12	Continued.....

Separator Tank Assembly



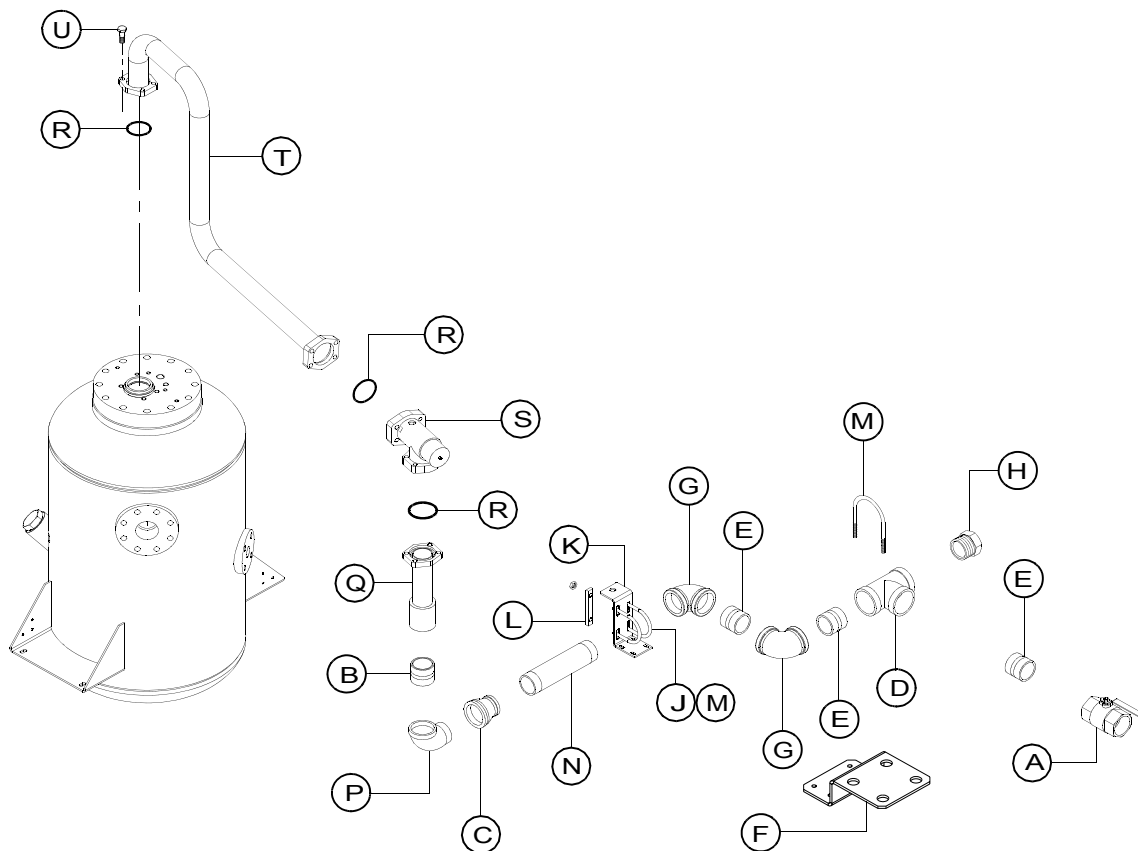
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	54629134	Tank, Separator	1	 <i>Continued</i>
T	35277797	O-Ring	1	
U	35802933	Plug, Oil Fill	1	
V	95953410	Tee	1	
W	95953949	Adapter	1	
X	35596733	Valve, Safety	1	
Y	95944104	Elbow	1	
Z	36762821	Nipple	1	
A1	35261155	Clamp	1	
A2	54744156	Pipe, Safety Valve	1	
A3	36883585	Clamp	2	
A4	95928040	Nipple	1	
A5	36843720	Valve, Check	1	
	35392281	Spring	1	
	35392299	Seat	1	
A6	36898922	Sensor, Temperature	1	<i>Continued.....</i>
A7	36757581	Switch, Pressure	1	

Separator Tank Assembly



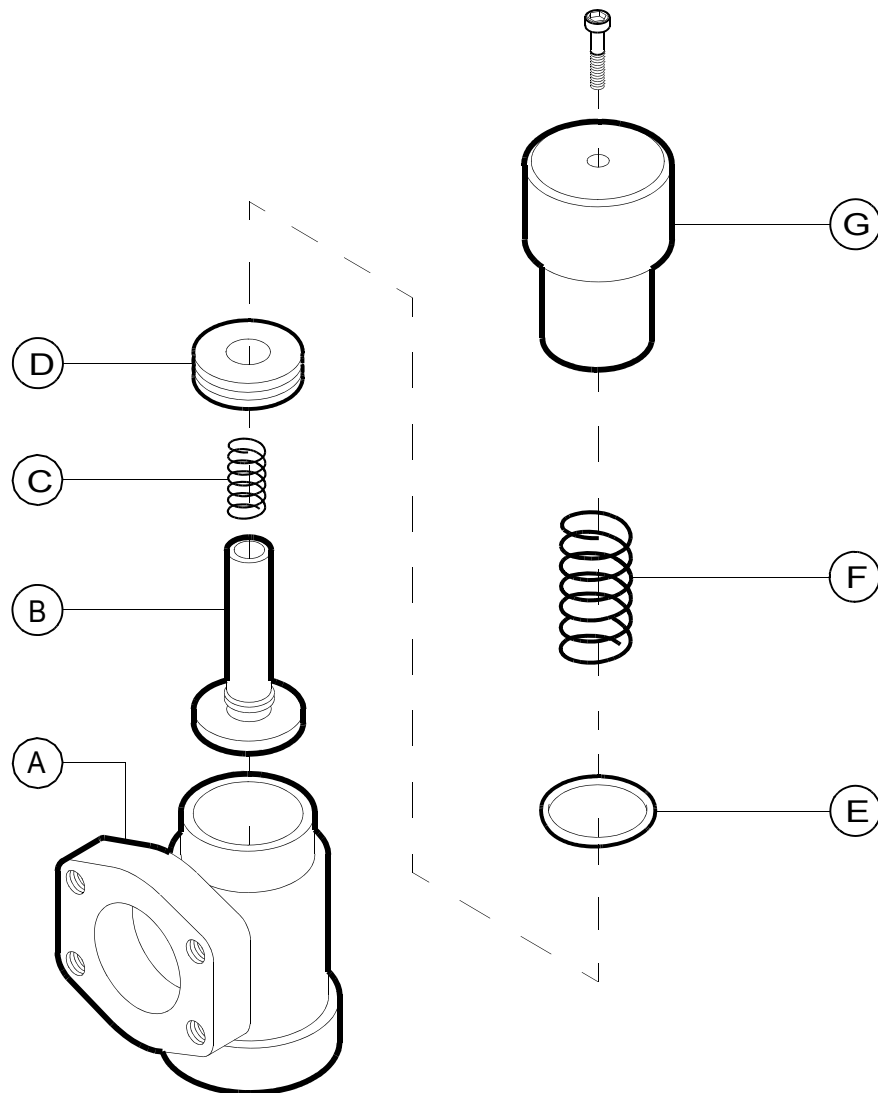
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A8	95930301	Bushing	1	Continued
A9	95935052	Washer (Use 2 Under Top 4 Screws and one Under Bottom 4 Screws)	12	
B1	35576115	Valve, Ball	1	
B2	35329309	Fitting, Tube	1	
B3	35593201	Tube, Scavenge	1	
B4	37081528	Orifice, .063"	1	
B5	23033079	Guard, Sight Glass	1	

Standard Air Piping



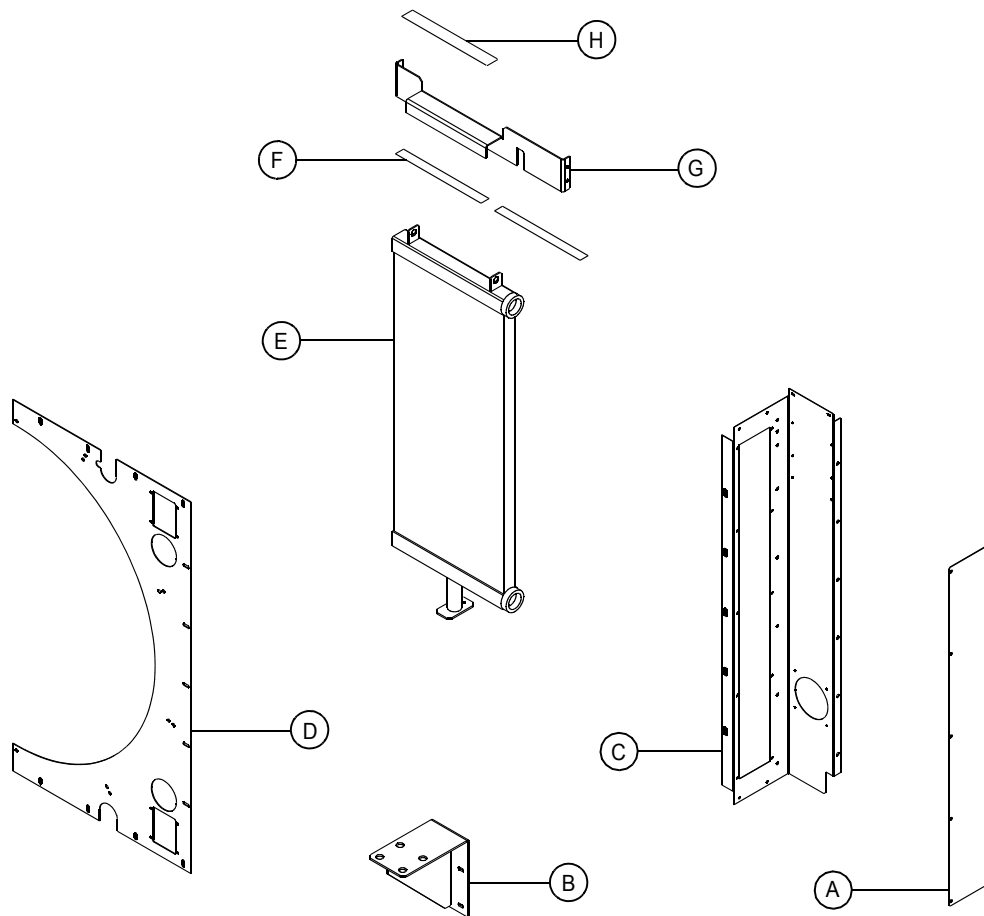
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35602473	Valve, Ball	1	
B	54393210	Nipple	1	
C	95952701	Coupling	1	
D	95974713	Tee	1	
E	95944609	Nipple	1	
F	23031842	Bracket, Pipe	1	
G	95948683	Elbow	1	
H	95336095	Plug	1	
J	36788800	Clamp, U-bolt (4" x 5")	1	
K	54668314	Support, Pipe	1	
L	22761308	Spacer	1	
M	35586288	Clamp, U-bolt	3	
N	95946174	Nipple	1	
P	95954145	Elbow	1	
Q	22975346	Pipe, Service	1	
R	95358040	O-Ring	3	
S	54687504	Valve, Minimum Pressure	1	
T	22975213	Tube, Separator Tank	1	
U	95929089	Screw	12	

Minimum Pressure Valve Assembly



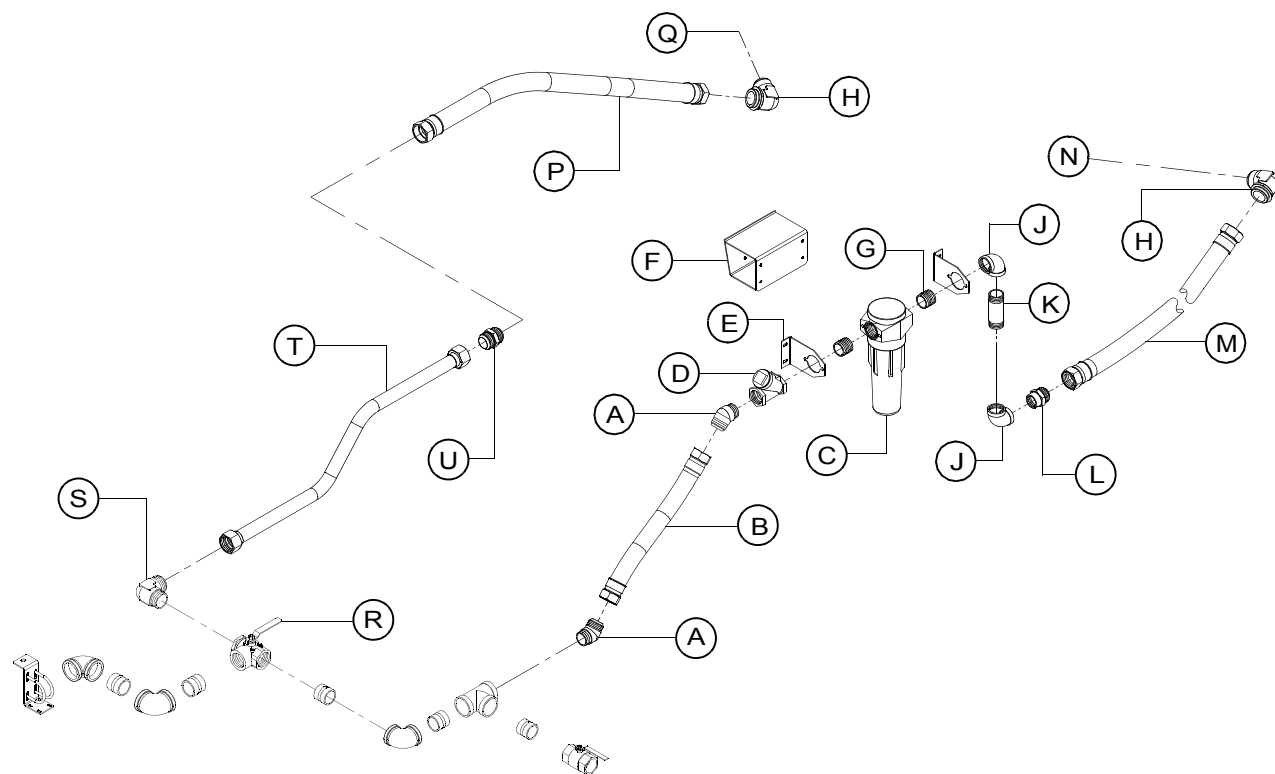
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54699731	Body, Check Valve	1	
B	54699764	Check Valve Assembly	1	
C	54699749	Spring, Check Valve	1	
D	54699772	Piston	1	
E	54699756	O-Ring	1	
F	54699798	Spring, Main	1	
G	54699780	Cap	1	
	54687504	Minimum Pressure Check Valve Assembly	1	

Aftercooler And Mounting



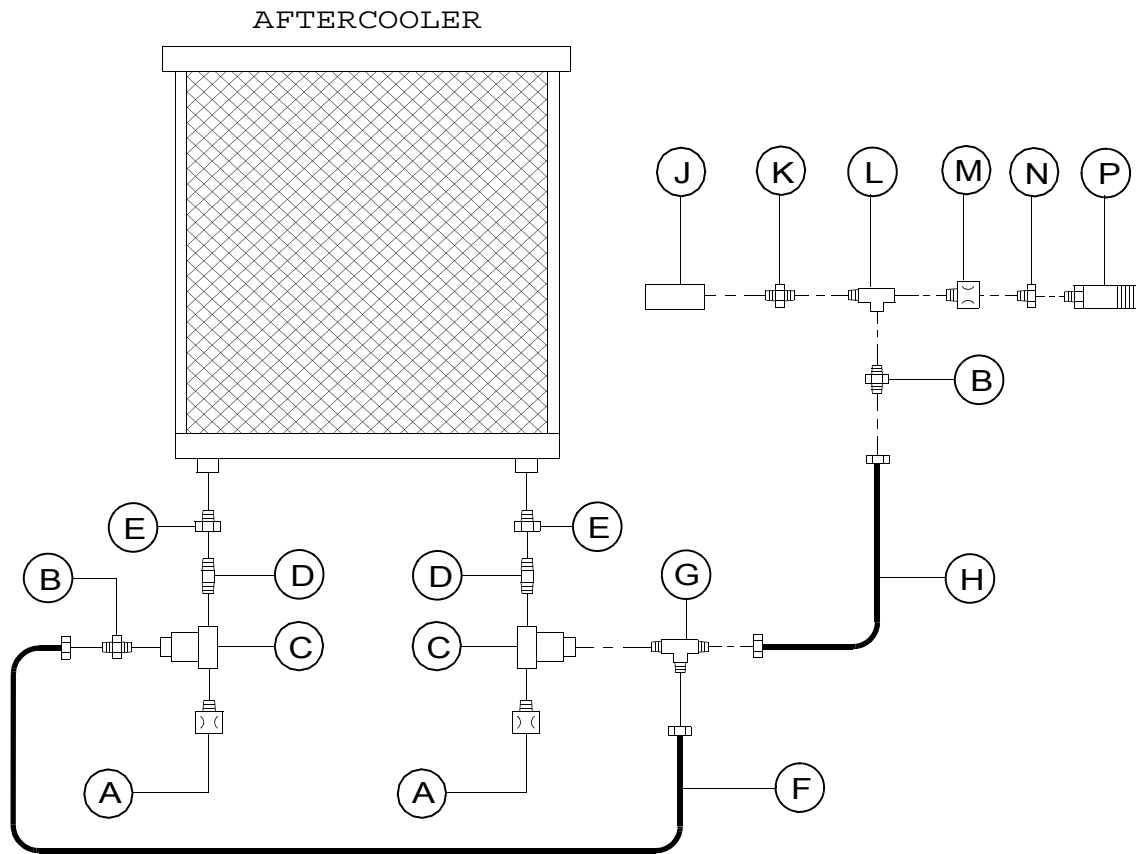
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22760409	Cover, Left Shroud	1	
B	22759815	Support	1	
C	22751069	Shroud, Left	1	
D	22758049	Orifice, Left Fan	1	
E	22750962	Aftercooler	1	
F	22761266	Gasket (15 inches)	2	
G	22758015	Bracket, Top Support	1	
H	22761274	Gasket (15 inches)	1	

Aftercooler Piping



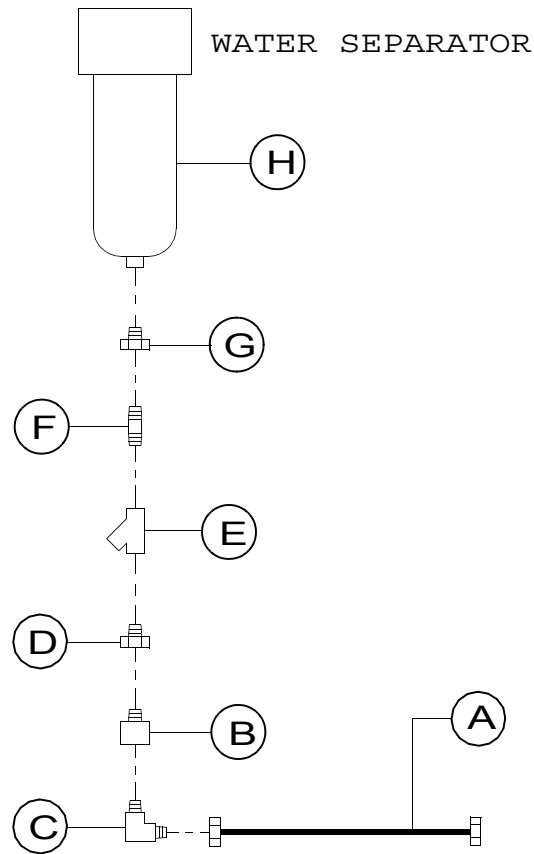
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95946190	Elbow	2	
B	22873350	Hose Assembly	1	
C	54731617	Water Separator Assembly	1	
D	22758007	Valve, Swing	1	
E	54735204	Support, Filter	2	
F	22873368	Bracket, Filter	1	
G	95944609	Nipple	2	
H	95944740	Elbow	2	
J	95948683	Elbow	1	
K	95944591	Nipple	1	
L	95957561	Connector	1	
M	22759070	Hose Assembly	1	
N		To Bottom Of Oil Cooler		
P	22759047	Hose Assembly	1	
Q		To Top Of Oil Cooler		
R	36856045	Valve, 3-Way	1	
S	95937678	Elbow	1	
T	22755946	Tube Assembly	1	
U	95494019	Union	1	

Aftercooler Piping



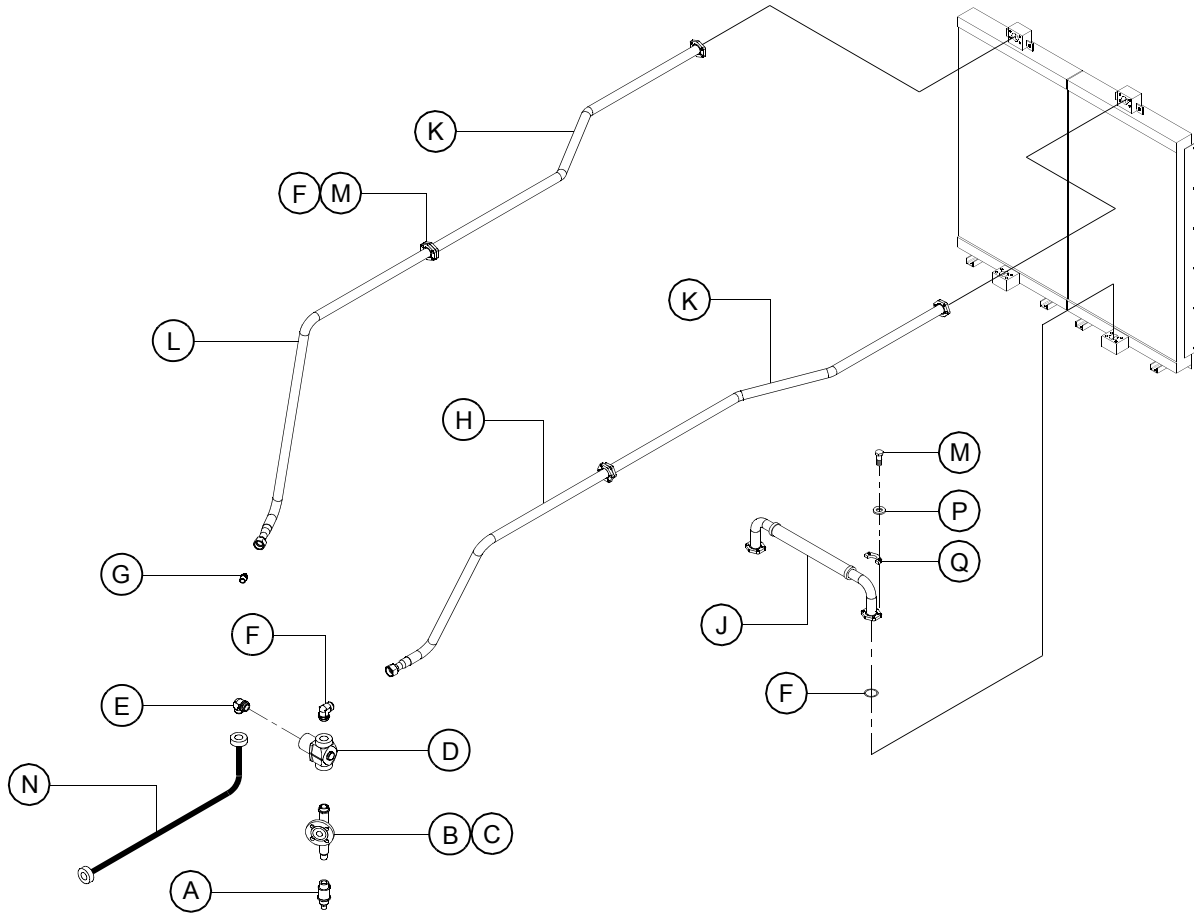
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35123124	Fitting, Orifice	1	
B	35284082	Connector	1	
C	35322379	Valve, Blowdown	2	
	35379064	Diaphragm Repair Kit	2	
	36841526	Heater	2	
D	95452025	Nipple	1	
E	95940748	Bushing, Reducing	1	
F	35310994	Hose Assembly	1	
G	35283050	Tee, Run	1	
H	36920304	Hose Assembly	1	
J	35849215	Blowdown Valve	1	
K	95944633	Bushing, Reducing	1	
L	95944690	Tee	1	
M	35322346	Adapter, Orifice	1	
N	95948501	Adapter	1	
P	35132299	Silencer	1	

Water Separator Piping



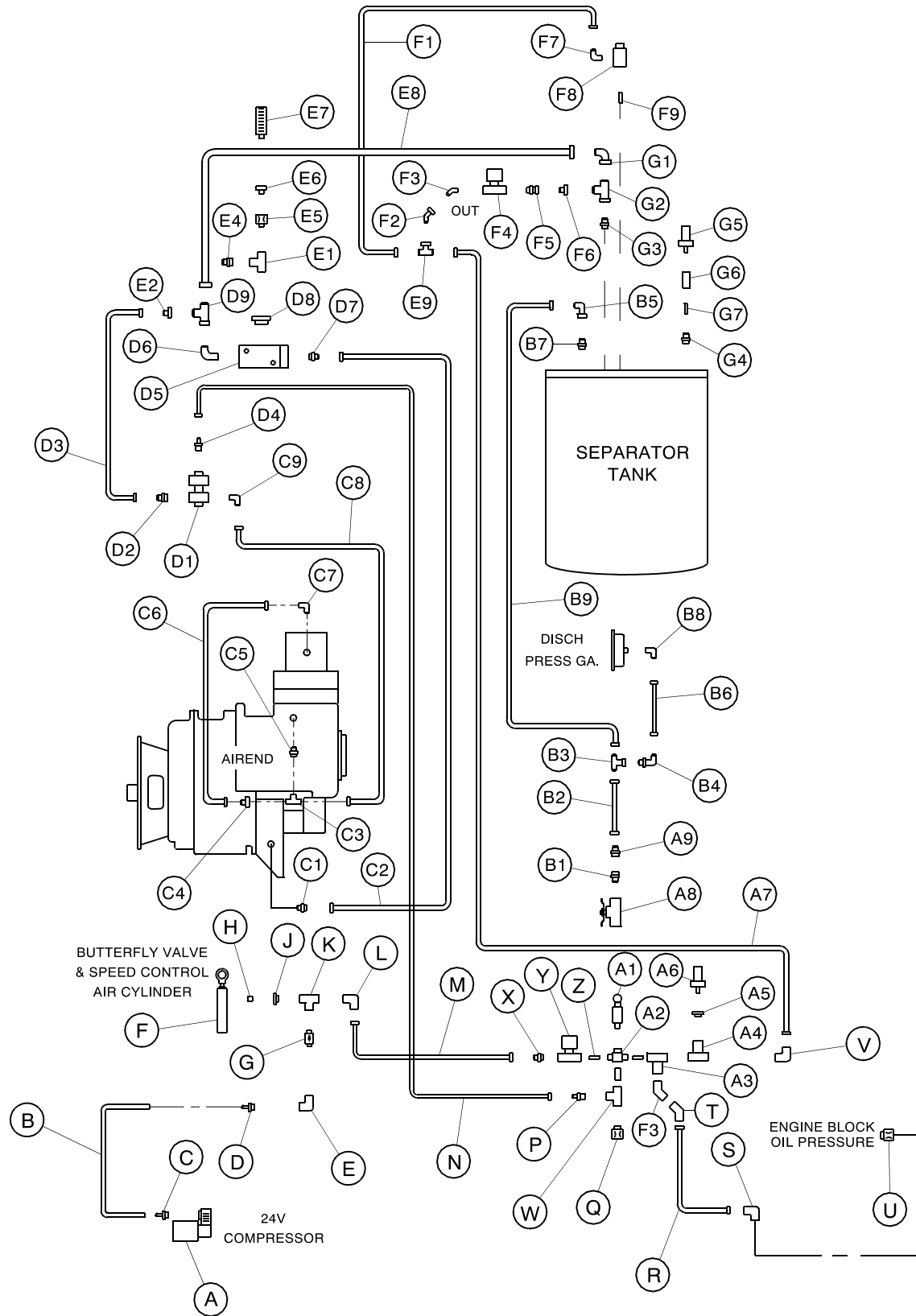
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35306661	Hose Assembly	1	
B	35123124	Adapter, Orifice	1	
	36841526	Heater, Orifice	1	
C	35283464	Elbow	1	
D	95940784	Bushing	1	
E	36844579	Y-Strainer	1	
F	95772562	Nipple	1	
G	95245353	Bushing	1	
H	54731617	Separator, Moisture	1	

HR 2.5 Oil Piping



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36885887	Valve, 75 psi Relief	1	
B	23028673	Manifold, Oil	1	
C	36786580	Gasket	1	
D	36897940	Valve, Oil temperature By-Pass (Mixing Valve)	1	
	39207402	150° F Element	1	
	22201271	Seal, Lip	1	
	22201289	Screw, Lip Seal	1	
	95000477	O-Ring	1	
E	95431292	Elbow	1	
F	95357976	O-Ring	4	
G	95279329	Connector	1	
H	23015555	Tube Assembly	1	
J	22468516	Hose Assembly	1	
K	54628177	Tube Assembly	1	
L	23028665	Tube Assembly	1	
M	95920708	Screw	8	
N	35130863	Hose Assembly	1	
P	95934733	Washer	8	
Q	35323492	Flange, Split	4	

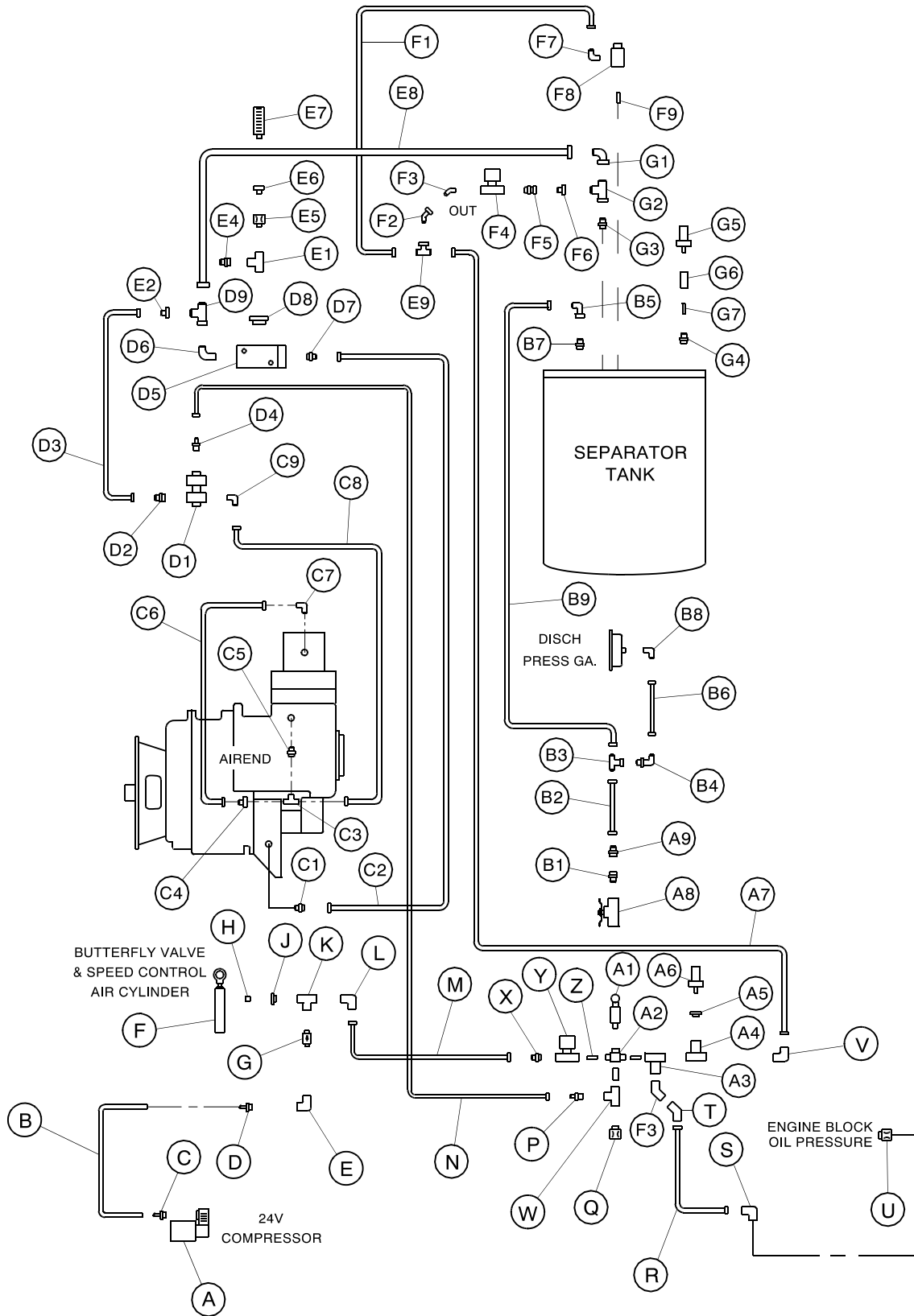
Air Piping



Air Piping

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36850691	24V Compressor	1	
B	35288034	Hose Assembly	1	
C	95287629	Adapter	1	
D	35283472	Connector	1	
E	95954095	Elbow	1	
F	35584689	Cylinder, Air	1	
G	35248145	Valve, Check	1	
H	95953493	Nipple	1	
J	95930301	Bushing	1	
K	35321272	Tee	1	
L	35290253	Elbow	1	
M	35323724	Hose Assembly	1	
N	35282912	Hose Assembly	1	
P	35283472	Connector	1	
Q	35248319	Orifice (.094)	1	
R	35284538	Hose Assembly	1	
S	35279934	Elbow	1	
T	35283100	Elbow	1	
U	54720719	Adapter	1	
V	35279934	Elbow	1	
W	35321272	Tee	1	
X	35284082	Connector	1	
Y	36842318	Valve, Solenoid	1	
Z	36793776	Nipple	3	
A1	35325133	Valve, Safety	1	
A2	95954293	Cross	1	
A3	35322379	Valve, Blowdown	1	
A4	35114545	Tee	1	
A5	95930301	Bushing	1	
A6	36920825	100 psi Transducer	1	
A7	35311471	Hose Assembly	1	
A8	35324839	Valve, Ball	1	
A9	35336139	Fitting, Bulkhead	1	
B1	35367846	Connector	1	
B2	35282961	Hose Assembly	1	
B3	35283092	Tee	1	
B4	36852499	Fitting, Bulkhead	1	
B5	35283068	Elbow	1	
B6	35282979	Hose Assembly	1	
B7	35284082	Connector	1	
B8	35280098	Elbow	1	
B9	35294701	Hose Assembly	1	
C1	35296391	Connector	1	
C2	35322592	Hose Assembly	1	Continued.....

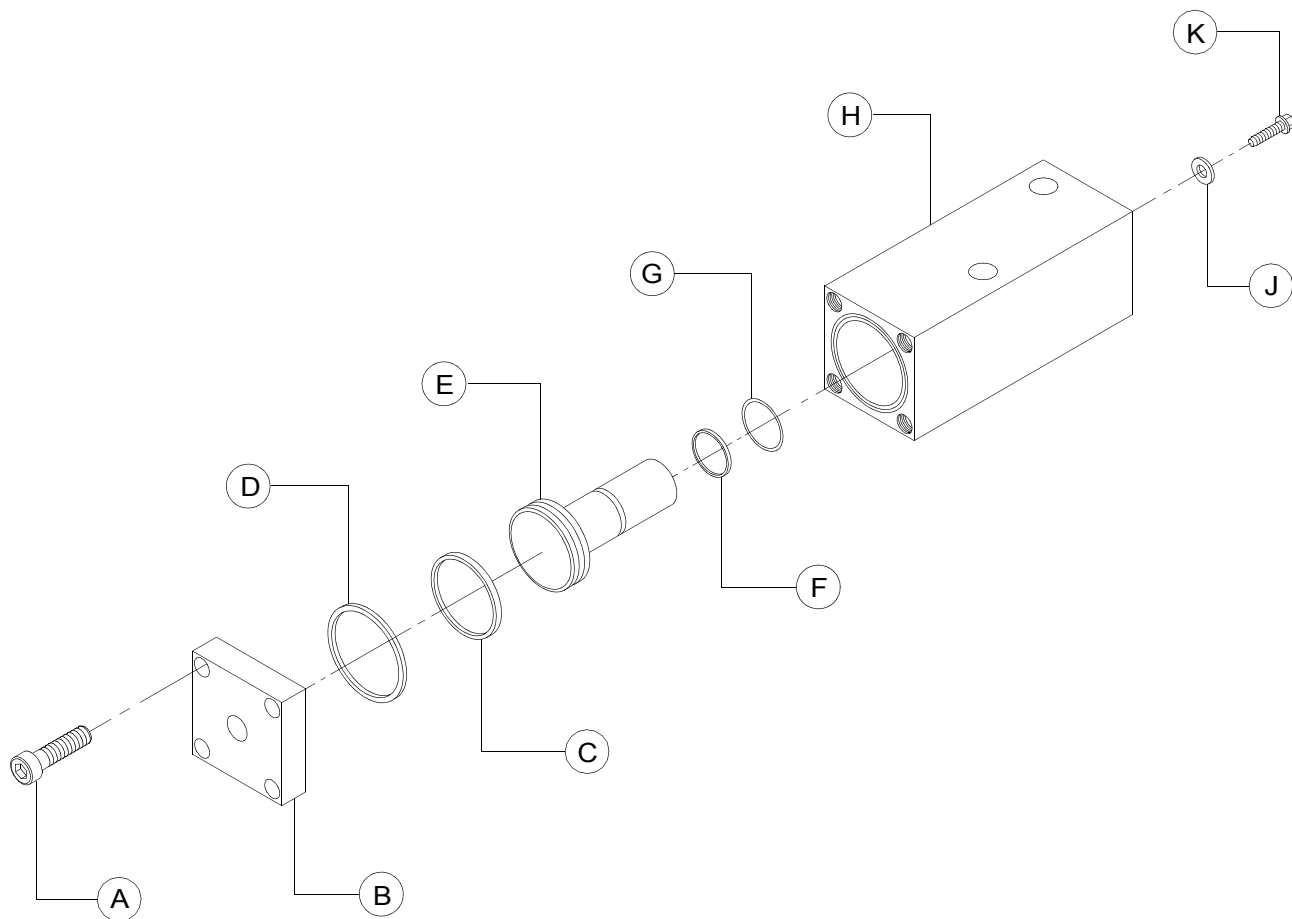
Air Piping



Air Piping

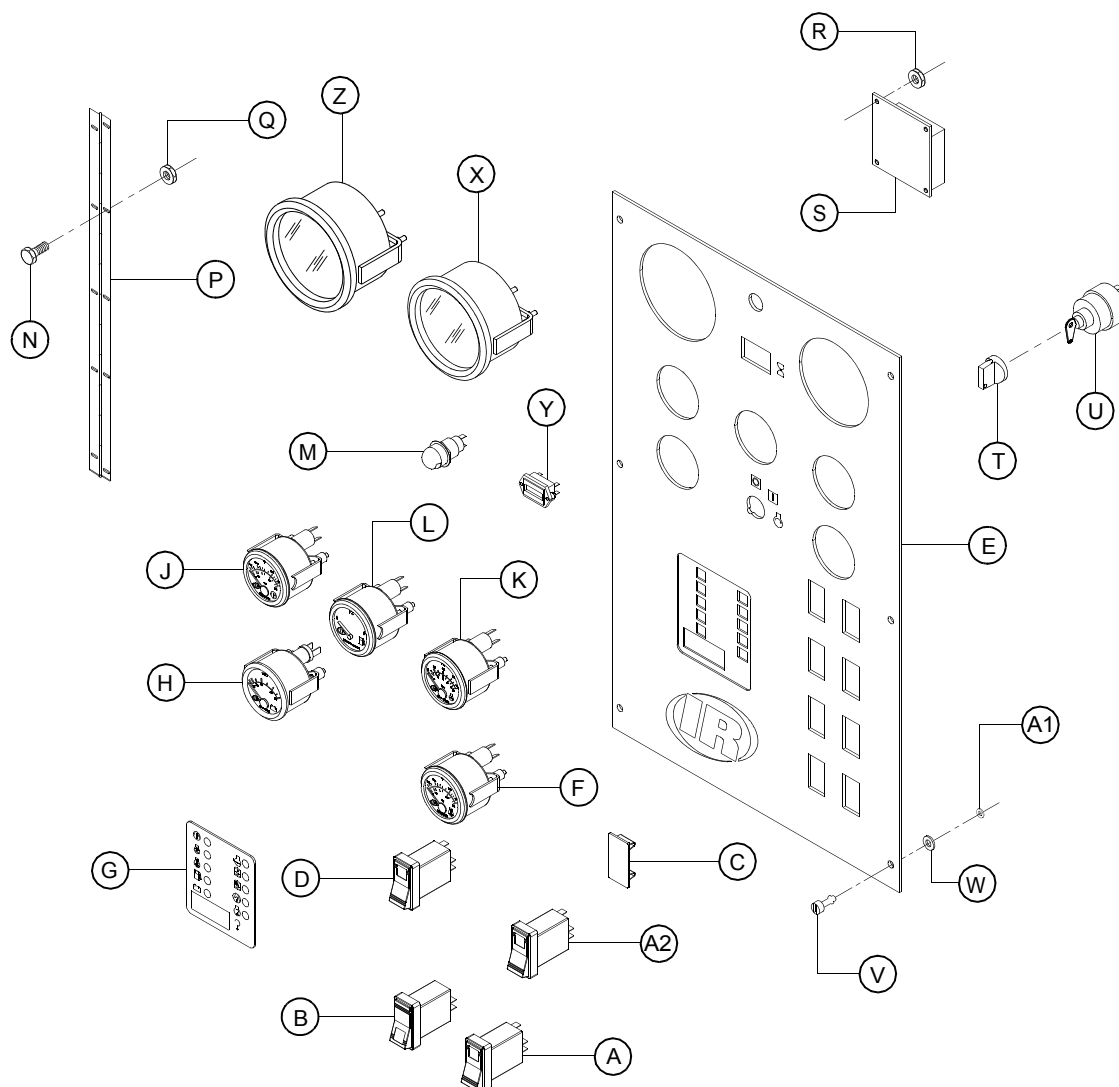
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
C3	95642484	Tee	1	Continued
C4	35299734	Reducer	1	
C5	35287895	Connector	1	
C6	35310960	Hose Assembly	1	
C7	35283464	Elbow	1	
C8	35295179	Hose Assembly	1	
C9	35309210	Elbow	1	
D1	35316405	Anti-Rumble Valve	1	
D2	35286426	Connector	1	
D3	35252782	Hose Assembly	1	
D4	35283472	Connector	1	
D5	35849215	Valve, Auto Blowdown	1	
D6	35294735	Elbow	1	
D7	35290147	Connector	1	
D8	95944633	Bushing	1	
D9	35287739	Tee	1	
E1	35114545	Tee	1	
E2	35365774	Reducer	1	
E3	35311471	Hose Assembly	1	
E4	35284082	Connector	1	
E5	35322346	Orifice (.156)	1	
E6	95948501	Adapter	1	
E7	35132299	Silencer	1	
E8	35376110	Hose Assembly	1	
E9	35283092	Tee	1	
F1	35282946	Hose Assembly	1	
F2	35283100	Elbow	1	
F3	35294743	Elbow	1	
F4	36842300	Valve, Solenoid	1	
F5	35368927	Connector	1	
F6	35321165	Reducer	1	
F7	35301126	Elbow	1	
F8	35315795	Valve, Pressure	1	
F9	95944575	Nipple	1	
G1	35301506	Elbow	1	
G2	35287739	Tee	1	
G3	95219747	Adapter	1	
G4	95930301	Bushing	1	
G5	54765946	Transducer	1	
G6	95010906	Coupling	1	
G7	95953493	Nipple	1	

Automatic Blowdown Valve Assembly



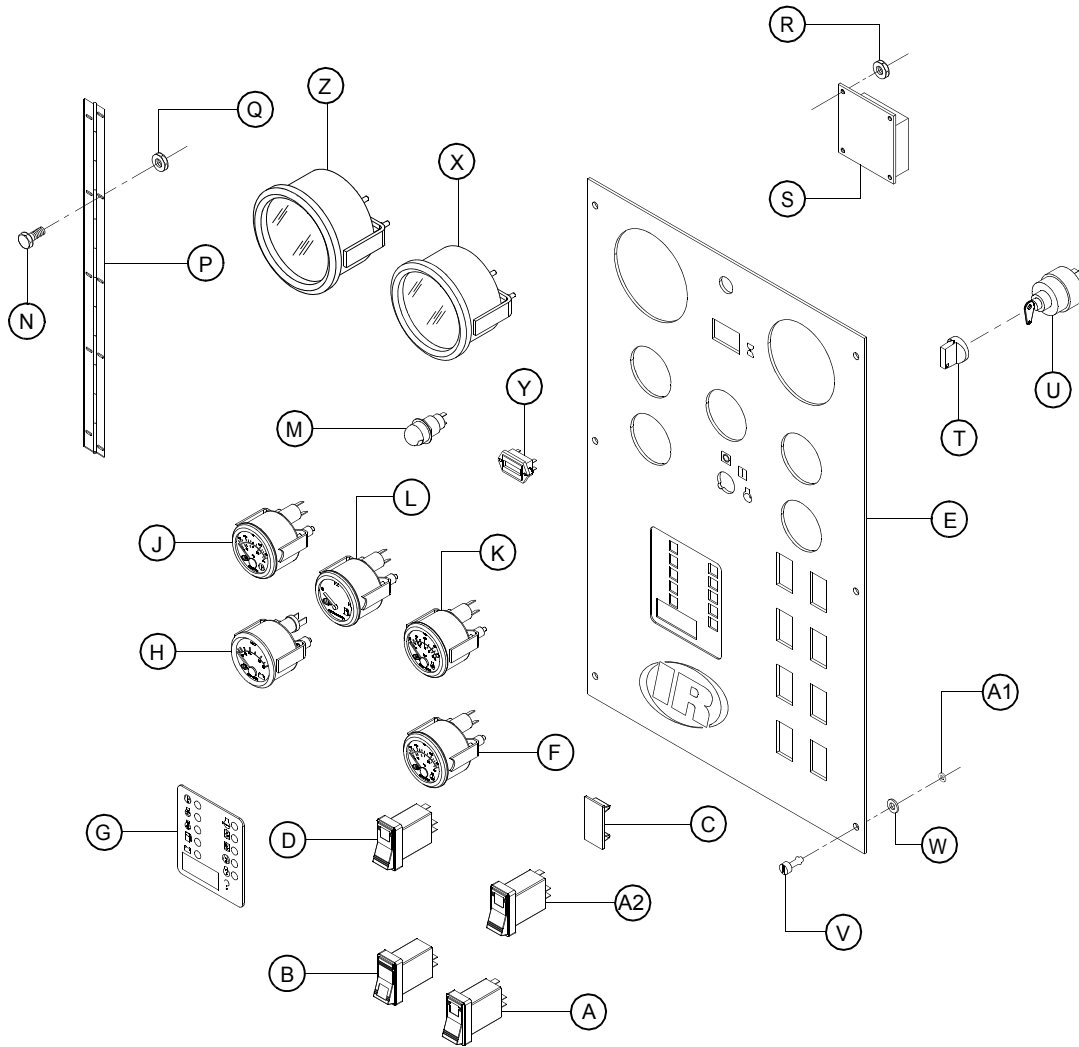
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35311463	Screw	4	
B	35849108	Cover	1	
C	35335074	Seal, 2"	1	
D	95021994	O-Ring	1	
E	35849116	Piston	1	
F	35335066	Seal, 1"	1	
G	35601749	Spring, Wave	1	
H	36731602	Body, Valve	1	
J	35337088	Washer	1	
K	35337070	Screw	1	
	35849215	Automatic Blowdown Valve Assembly	1	

Instrument Panel Assembly



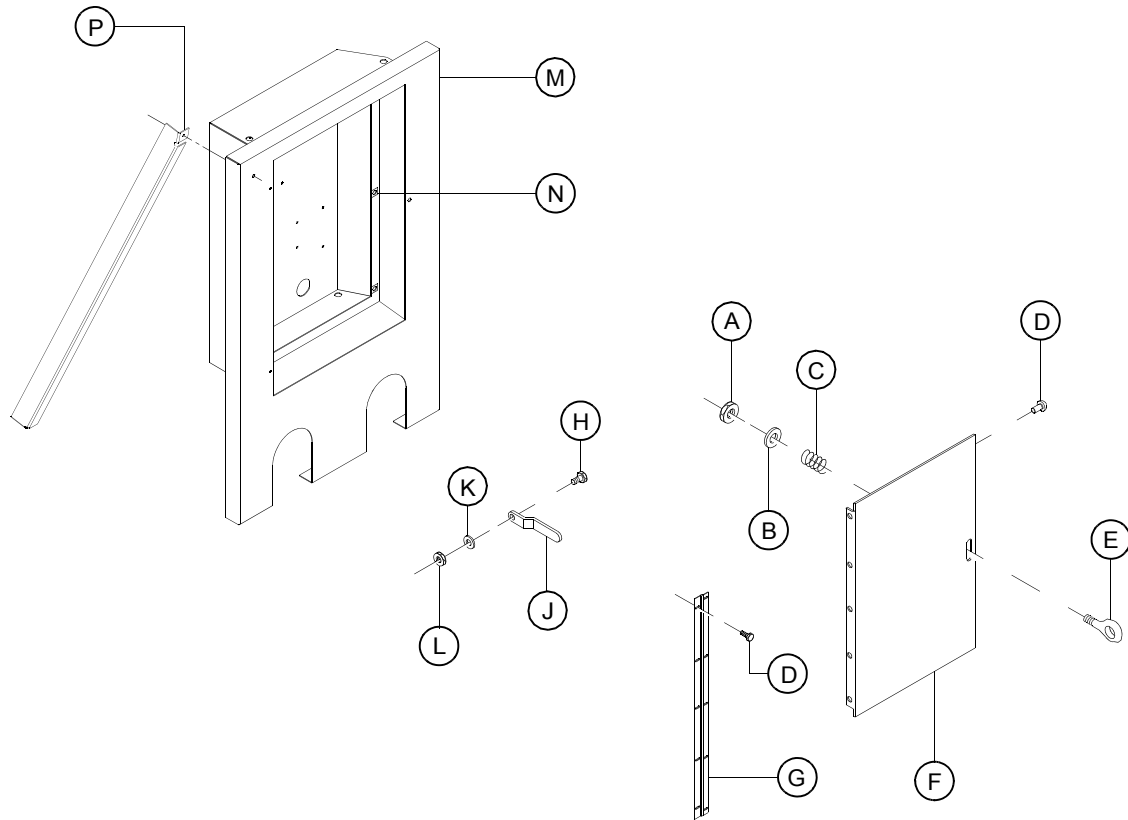
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22053896	Switch, Lamps	1	Continued.....
B	22054050	Switch, Heater	1	
C	22054142	Plug, Switch	5	
D	22054076	Switch, After Warm-Up	1	
E	22105571	Panel, Instrument	1	
F	22692628	Gage, Engine Oil Pressure	1	
G	22055800	Overlay, Module	1	
H	22692594	Gage, Voltage	1	
J	22692610	Gage, Air Discharge Temperature	1	
K	22692610	Gage, Engine Water Temperature	1	

Instrument Panel Assembly



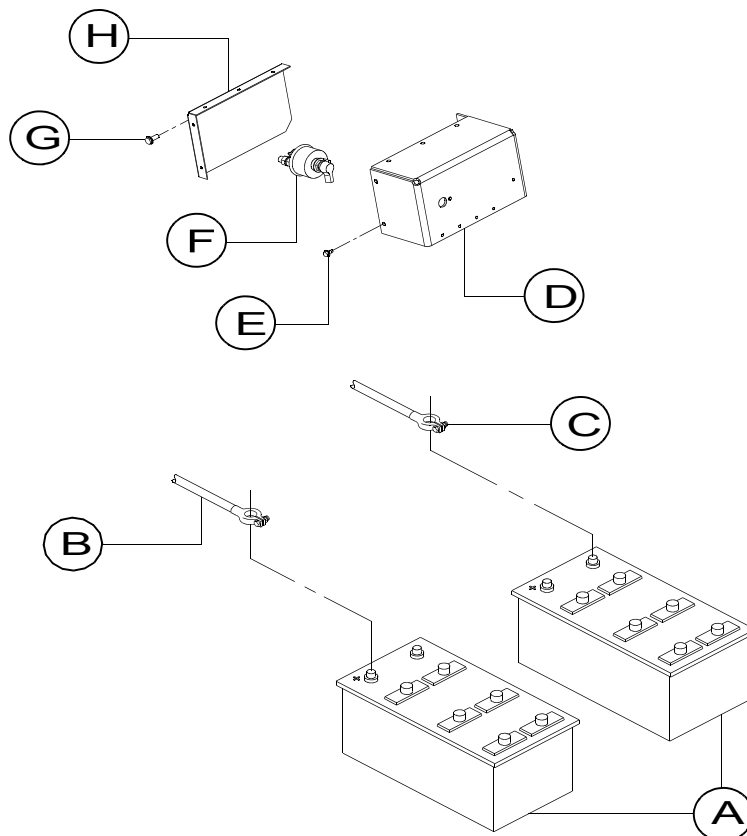
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22692602	Gage, Fuel Level	1	 Continued
M	36852622	Light, Instrument Panel	1	
N	36898096	Screw	3	
P	36840908	Hinge	1	
Q	36898104	Nut	3	
R	95928800	Nut	4	
S	22173579	Module, Wedge	1	
T	22134118	Knob, Switch	1	
U	22127385	Switch, Starter	1	
V	36844124	Screw, Quarter Turn	6	
W	35314582	Receptacle	3	
X	22055883	Tachometer	1	
Y	54766704	Hourmeter	1	
Z	36840767	Gage, Discharge Pressure	1	
A1	35369180	Retainer	3	
A2	22054068	Switch, Ether	1	

Instrument Panel Mounting



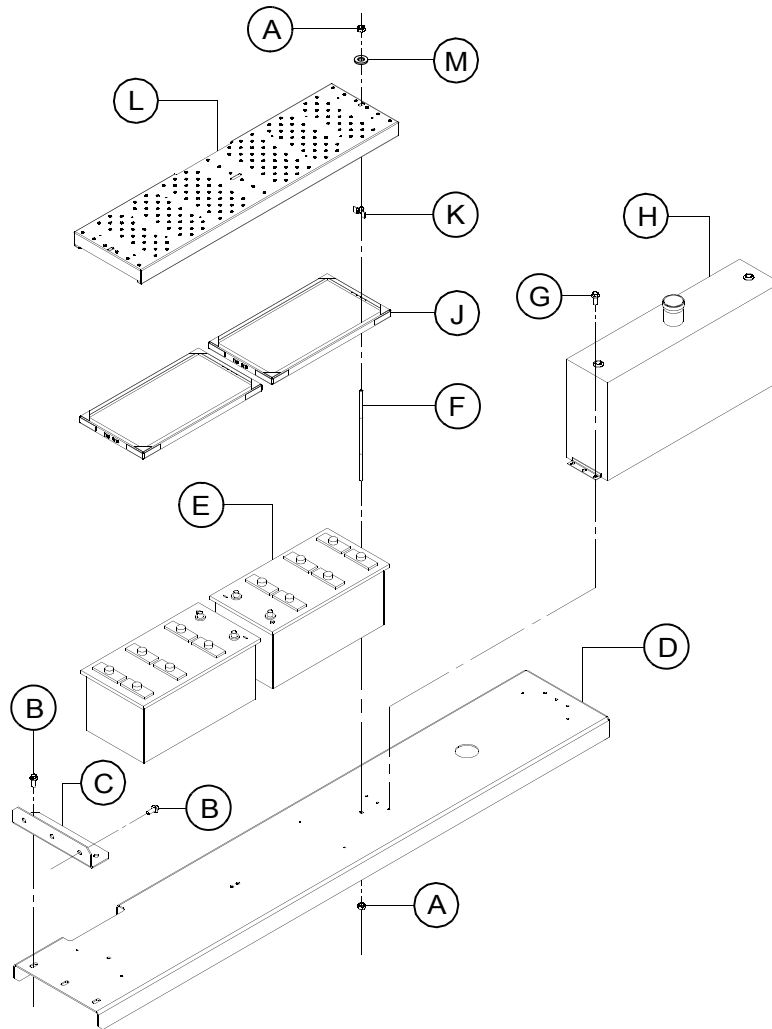
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95923314	Nut	1	
B	95934998	Washer	1	
C	35327311	Spring	1	
D	92368687	Screw	7	
E	35327303	Eyebolt	1	
F	36738565	Door, Instrument Panel	1	
G	36740405	Hinge	1	
H	35357995	Stud	1	
J	35603349	Holder, Door	1	
K	95935037	Washer	2	
L	35273366	Nut	1	
M	54746961	Panel, Vertical	1	
N	35314582	Receptacle	3	
P	22976229	Support, Instrument Panel (Left)	1	
	22976211	Support, Instrument Panel (Right)	1	

Battery Cables



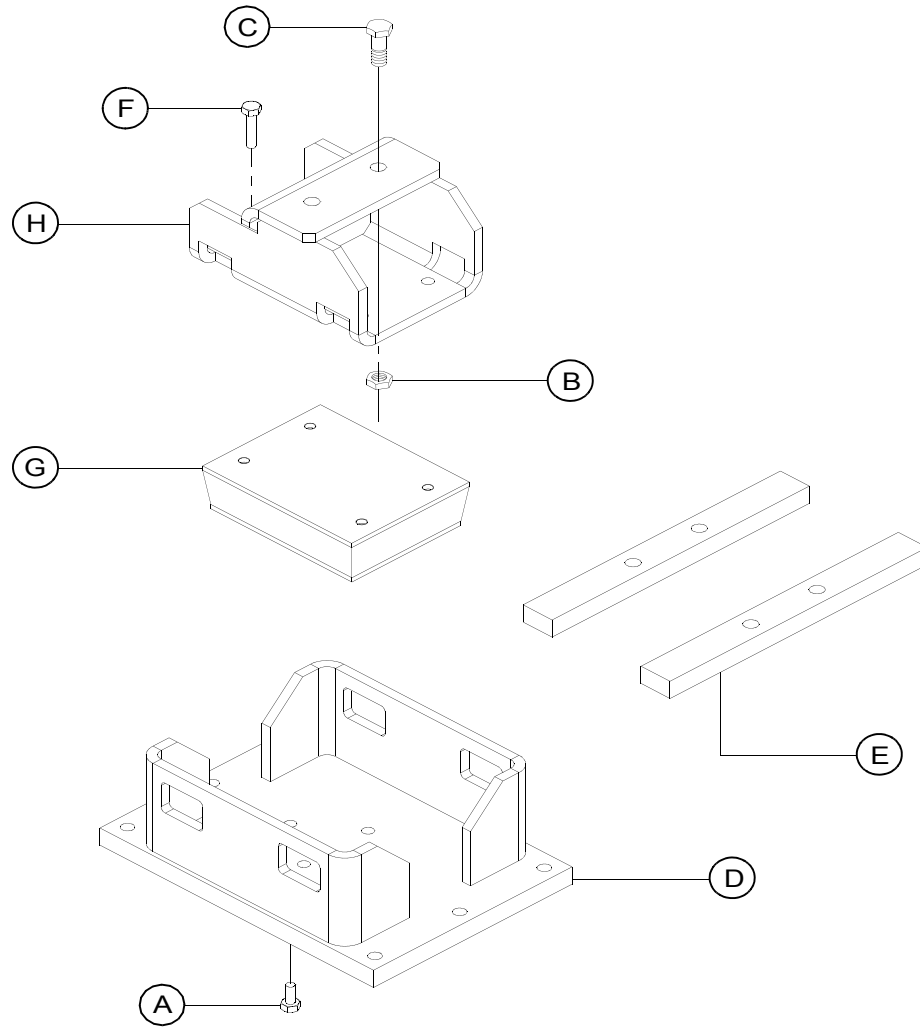
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A		Customer Furnished	2	
B	36765375	Cable, Positive	2	
C	36780609	Cable, Negative	1	
D	23035462	Bracket, Battery Cut-off	1	
E	35279025	Screw	2	
F	36896975	Switch, Battery Cut-off	1	
G	36797652	Screw	5	
H	23035405	Bracket, Support		

Battery and Day Tank (Option)



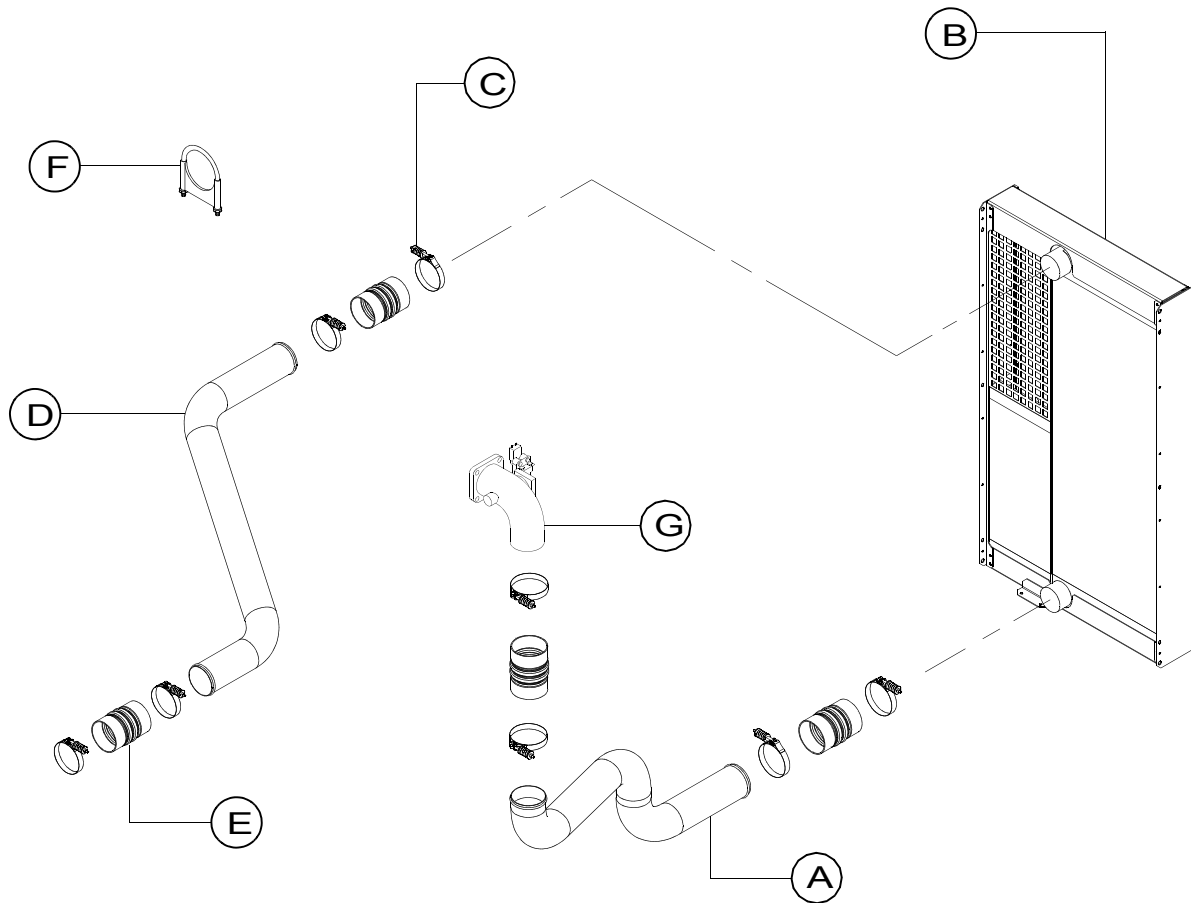
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35145077	Nut	12	
B	36888055	Screw	3	
C	23033988	Bracket, Angle	1	
D	23033921	Support, Battery / Tank	1	
E	35225788	Battery	2	
F	54715479	Stud	4	
G	35279025	Screw	6	
H	43215144	Tank, Fuel	1	
J	35562156	Frame, Hold-Down	2	
K	35108216	Clip, Battery Frame	4	
L	43210954	Cover, Battery	1	
M	95935037	Washer	4	
	35279801	Elbow (Top Port of Fuel Cooler, Turn Down)	1	
	35288166	Connector (Bottom Port of Fuel Cooler)	1	
	35333517	Elbow (To Connector at Elbow, Bottom Port)	1	
	35283118	Elbow (Top of Fuel Tank, Port Near Cooler Pack)	1	
	54568753	Decal, Battery Gas	1	

Frame Isolator (Option)



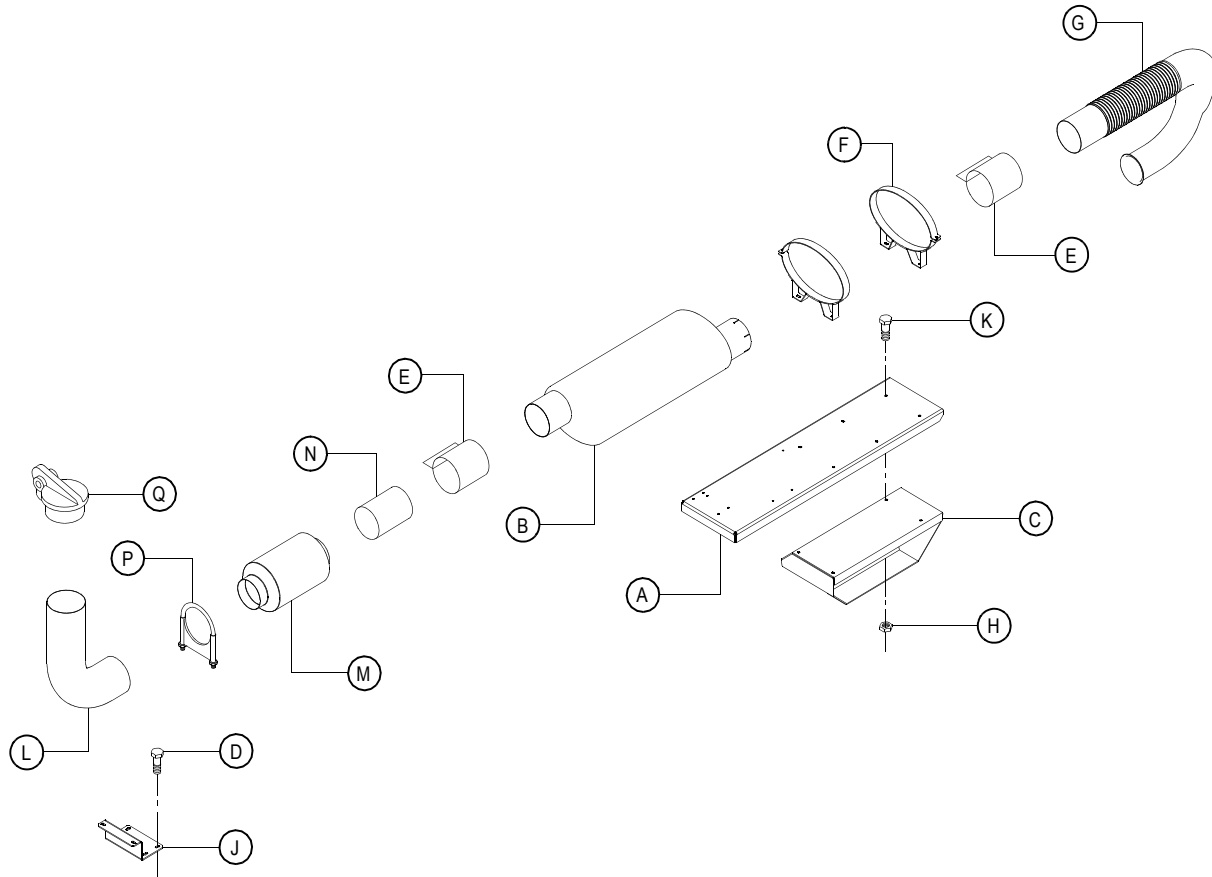
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95954079	Screw	16	
B	96701750	Nut	8	
C	39179072	Bolt	8	
D	22110753	Support, Lower Shock	4	
E	22112171	Bar, Shock Mount	8	
F	95994877	Screw	16	
G	36847002	Isolator	4	
H	22110761	Support, Upper Shock	4	

Overspeed Air Shut-Off Option



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23059249	Tube, Bottom	1	
B	54501846	Cooler, Charge Air	1	
C	54444427	Clamp	8	
D	22716906	Tube, Upper	1	
E	54422522	Hose, Ribbed	4	
F	35111731	Clamp, Support	2	
G	23008592	Valve, Air Shut-Off	1	
	22311823	Bracket, Auto-Start Switch (Bracket Mounted To Inside Top Of Lifting Bail)	1	
	36797652	Screw	1	
	54615091	Switch, Toggle	1	
	23059413	Decal	1	
	22992721	Harness, Air Shut-Off	1	

Exhaust Assembly (Spark Arrestor Option)

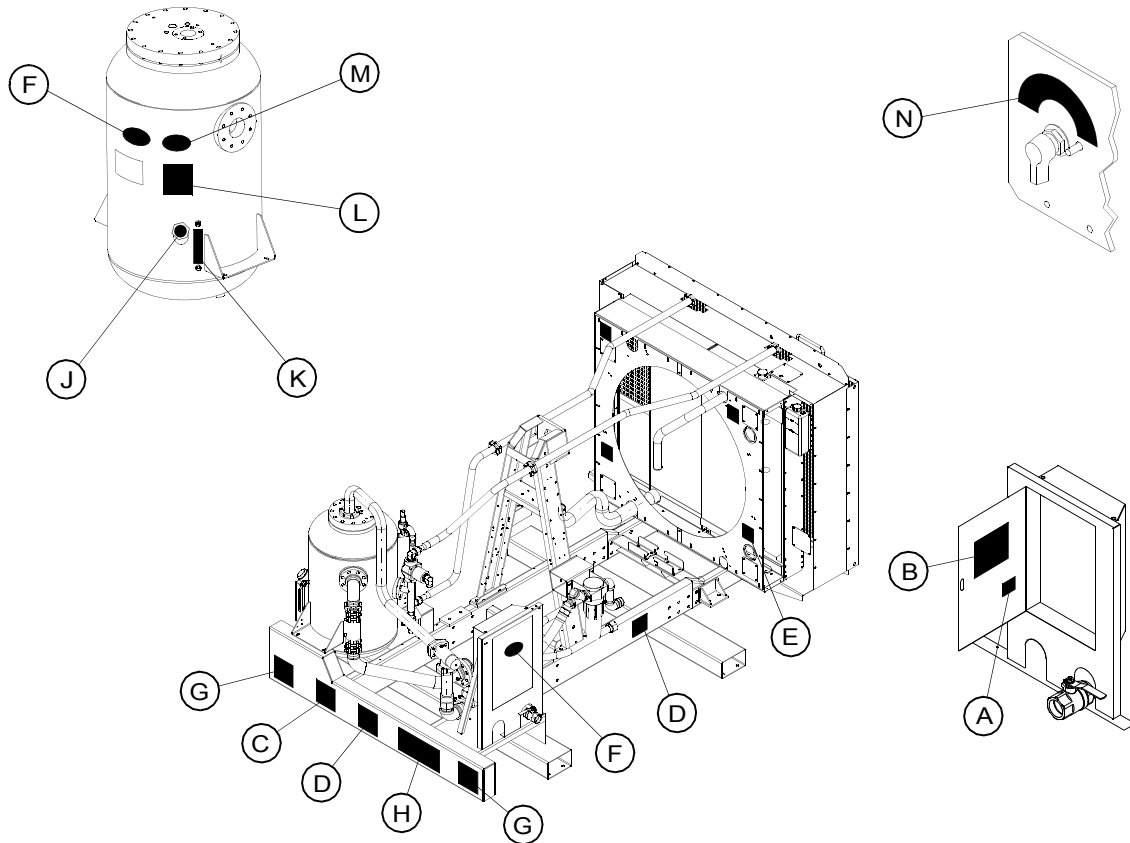


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23076995	Bracket, Support	1	
B	23076920	Muffler	1	
C	22150734	Bracket, Muffler Mounting	1	
	36880995	Screw (To Lifting Bail)	4	
	36879195	Nut (To Lifting Bail)	4	
D	35279025	Screw	4	
E	36799807	Clamp, Seal	2	
F	35806728	Band, Mounting	1	
	36880995	Screw (To Muffler Bracket)	4	
	36879195	Nut (To Muffler Bracket)	4	
G	22172748	Pipe, Flex	1	
H	36879195	Nut	6	
J	23075401	Support, Tail Pipe	1	
K	36880995	Screw	6	
L	23077001	Pipe, Tail	1	
M	23076946	Arrestor, Spark	1	
N	36764926	Tube	1	
P	36896579	Clamp, Saddle	1	
Q	35851351	Cap, Rain	1	

Wiring Parts List

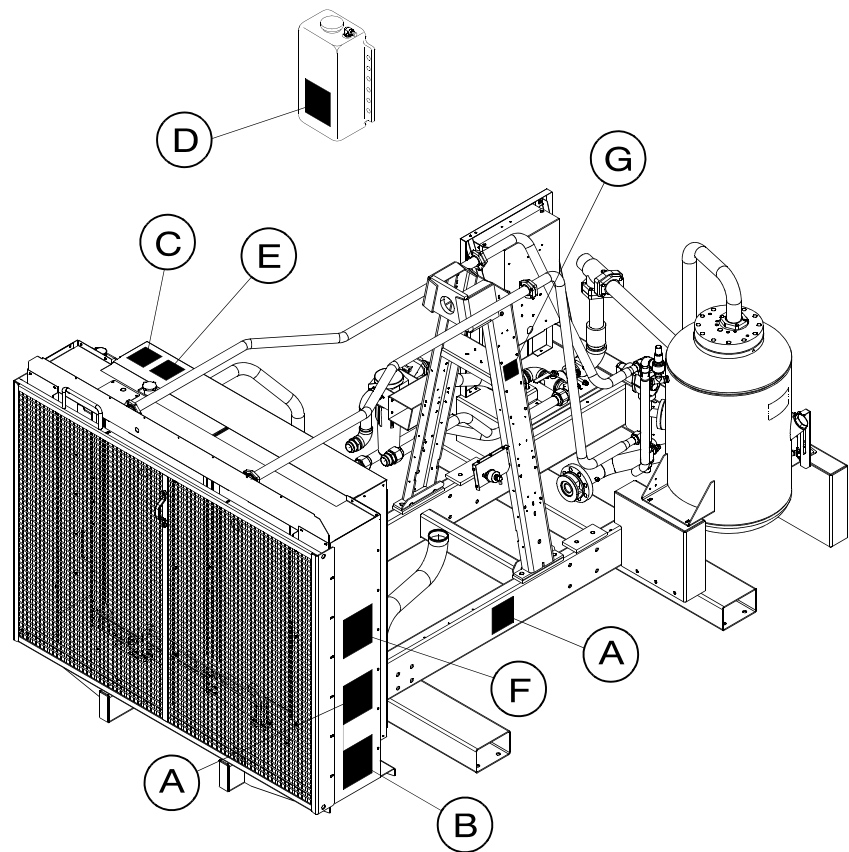
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	22102339	Coolant Level Switch	1	
	36896975	Battery Disconnect Switch	1	
	36920825	0-100 psi Pressure Transducer	1	
	54765946	0-500 psi Pressure Transducer	1	
	36892362	24 volt Sealed Relay	1	
	36870665	Mag Speed Sensor	1	
	36898922	Thermistor Temperature Probe	2	
	36842300	Start / Run Solenoid	1	
	36842318	Compressor Solenoid	1	
	22071575	15 amp Blade Fuse	1	
	36847838	Air Filter Switch	2	
	36870608	Engine Oil Pressure Sender	1	
	36841138	Engine & Compressor Temperature Sender	2	
	36850691	Start-up Compressor	1	
	35577873	Auxiliary Start Relay	1	
	36780609	Negative Battery Cable	1	
	54765375	Positive Battery Cable	2	
	22173579	Wedge Controller	1	
	36841526	Regulation Valve and Orifice Heater	2	
	36792083	20 amp Blade Fuse	2	
	35376169	Diode	4	
	22661854	W1 Engine Harness	1	
	22817829	Large WW Harness	1	
	22866594	Heater Harness (Aftercooler Option)	3	

Decal Location



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568787	Improper Operation Decal	1	
B	22056378	Operating Instructions Decal	1	
C	36520310	Don't Drop Unit Decal	2	
D	54604939	Fall Off Unit Decal	4	
E	54568779	Rotating Fan Decal	4	
F	22346894	Genuine Parts Decal	3	
G	54749205	No Welding Decal	4	
H	54629902	3-Part Warning Decal	1	
J	54604970	Fill Plug Decal	1	
K	22383319	Oil Level Decal	1	
L	54568795	High Pressure Air Decal	1	
M	54640040	XHP Lube Decal	2	
N	54642327	Battery Disconnect Decal	1	

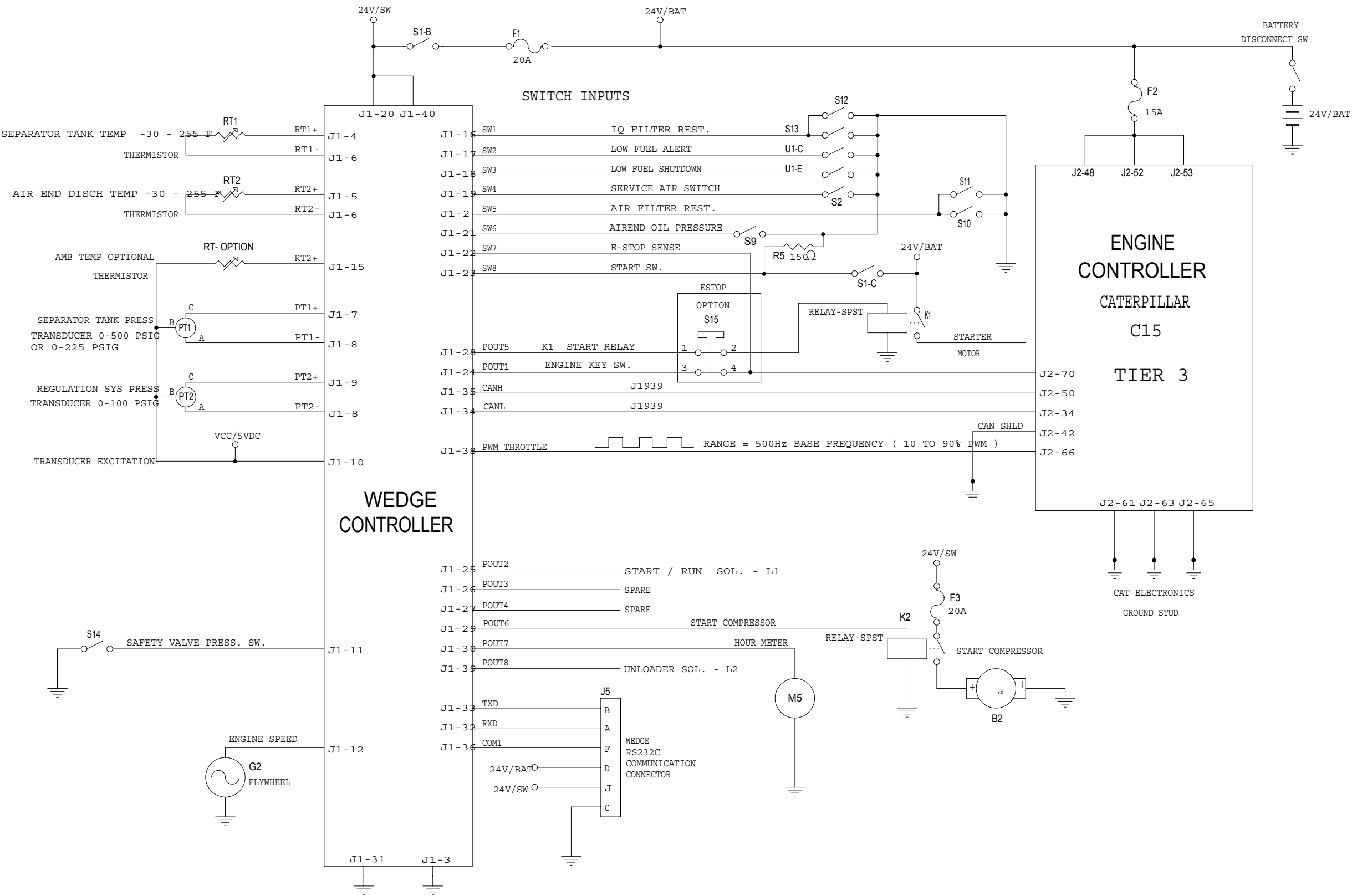
Decal Location



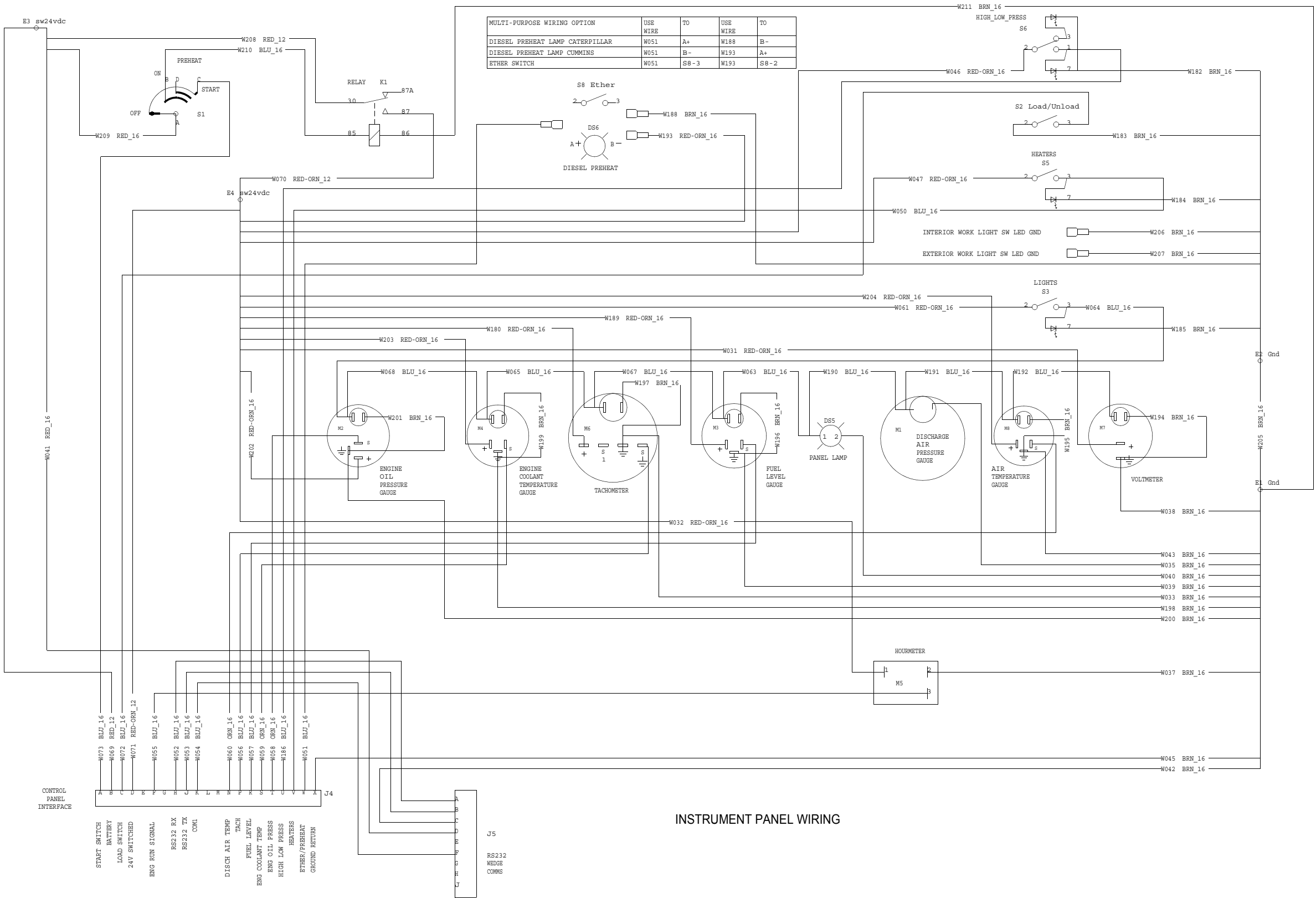
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54604939	Falling Off Unit Decal	4	
B	54749205	No Welding Decal	4	
C	54568761	Hot Pressurized Fluid Decal	1	
D	22265565	Coolant Level Decal	1	
E	54604962	Hot Radiator Decal	1	
F	36520310	Don't Drop Unit Decal	1	
G	22829725	Aftercooler Valve Position Decal	1	

Section 3 - Electrical Schematics

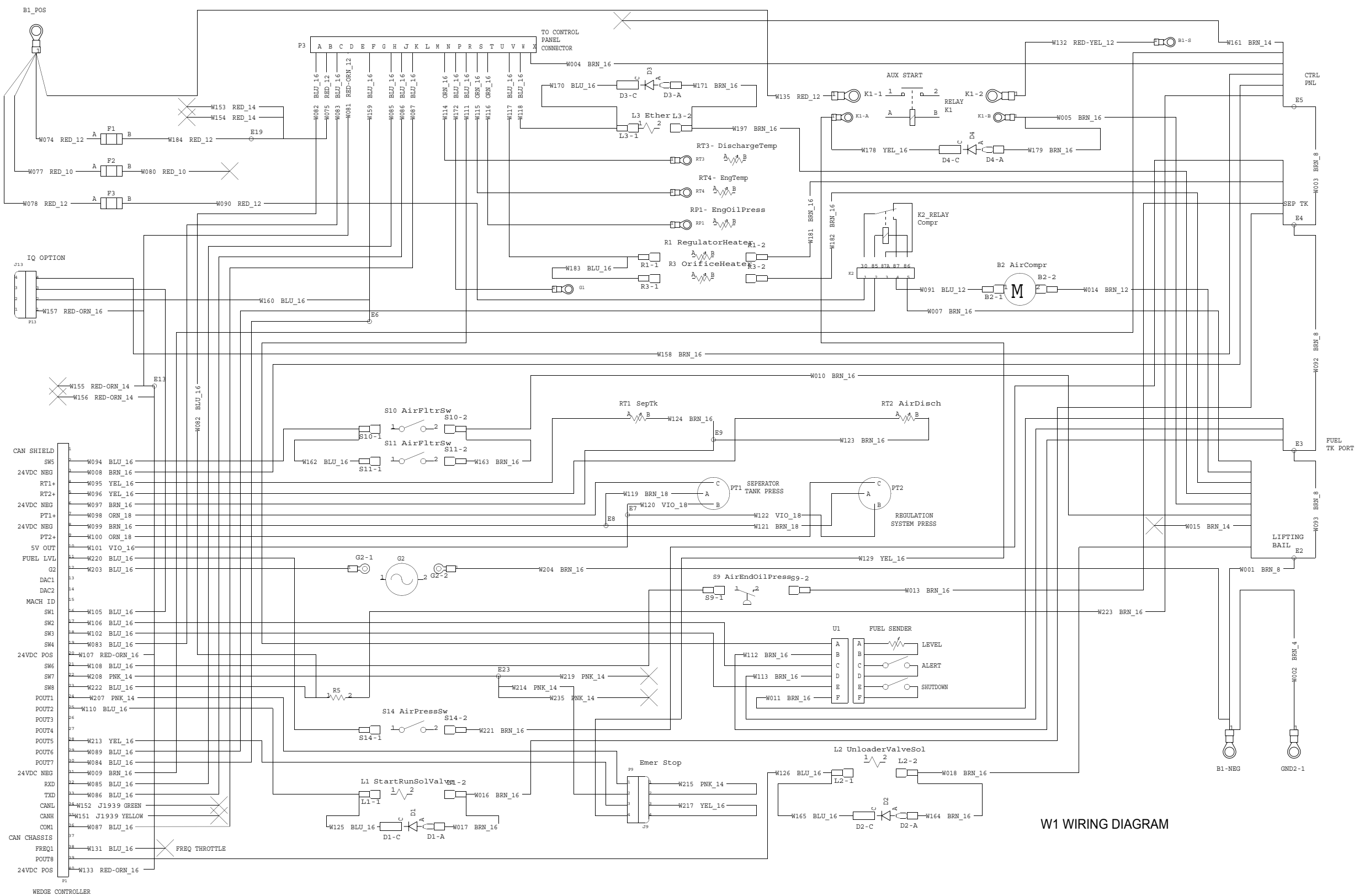
Control System Wiring Diagram



Control System Wiring Diagram

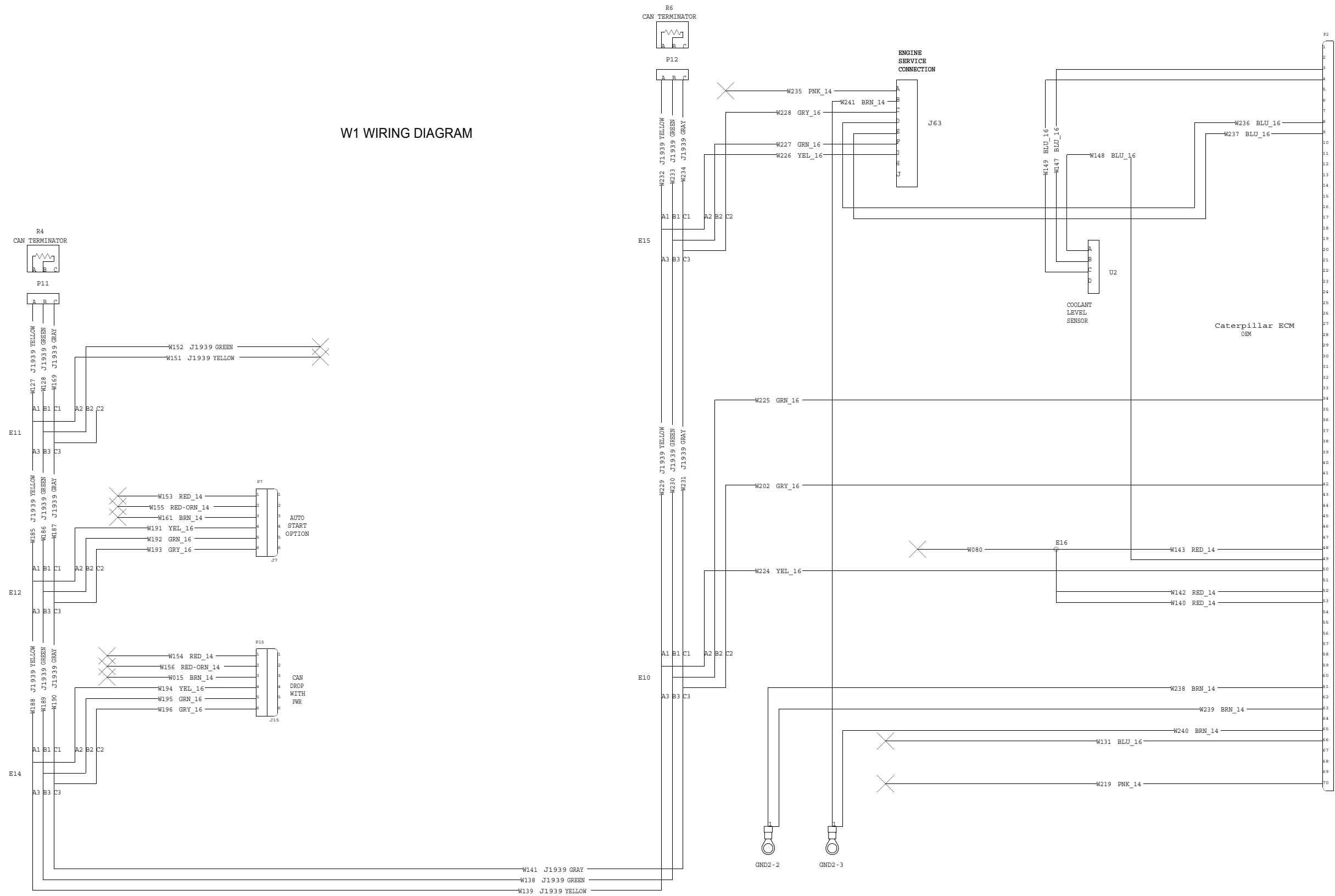


Control System Wiring Diagram

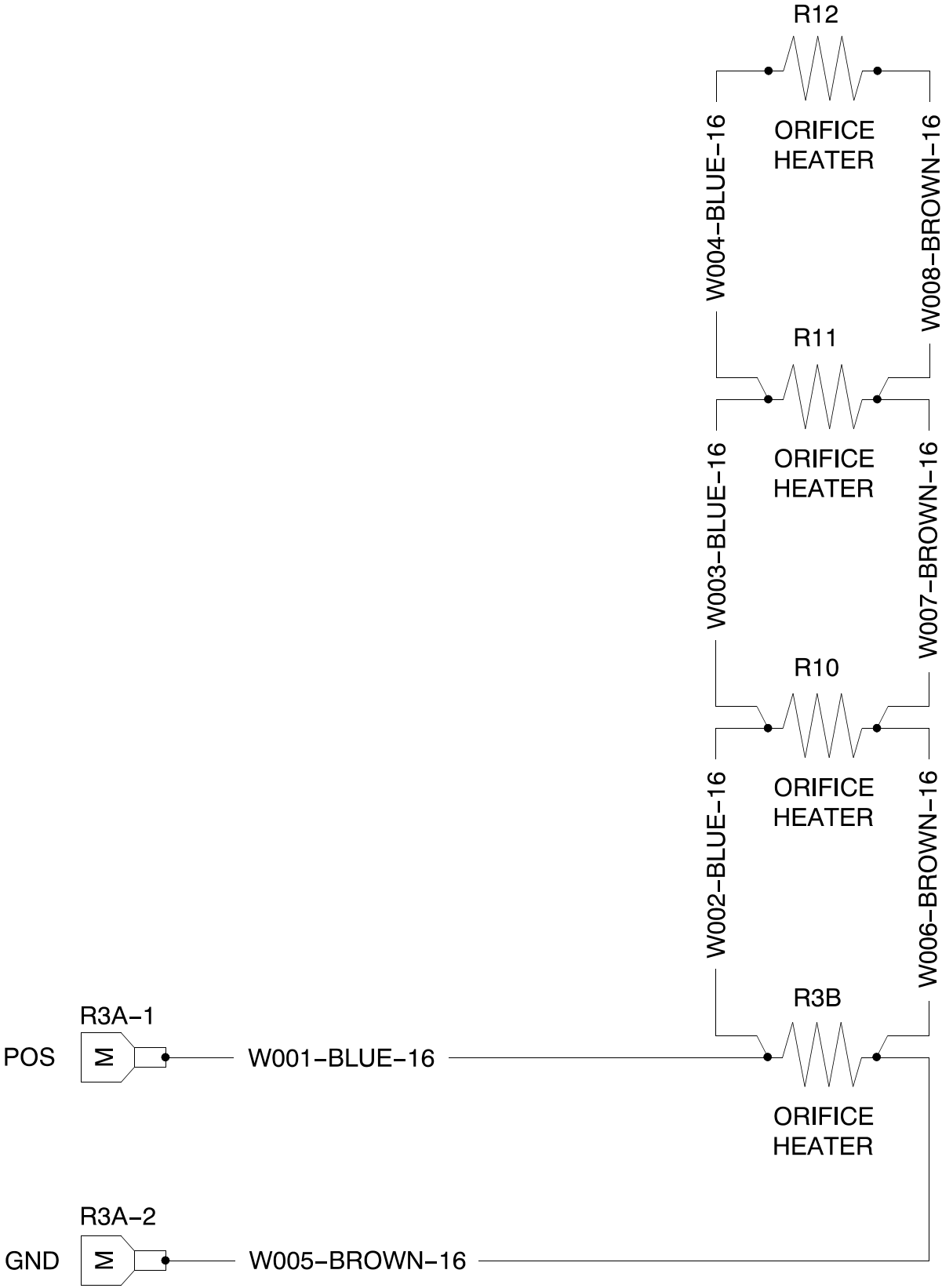


Control System Wiring Diagram

W1 WIRING DIAGRAM



Aftercooler Wiring Diagram



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