



Doosan Infracore
Portable Power

PARTS MANUAL

XHP1170CAT-EX-T3 (F53)

COMPRESSOR MANUAL

Doosan Infracore Portable Power
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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 Doosan 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.

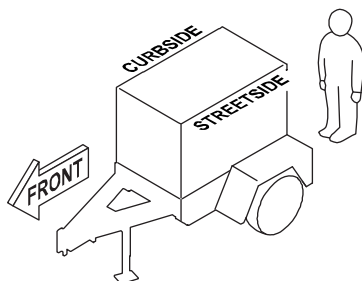
Doosan Portable Power service facilities and parts are available worldwide. Consult local yellow pages or visit: www.doosanportablepower.com.

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

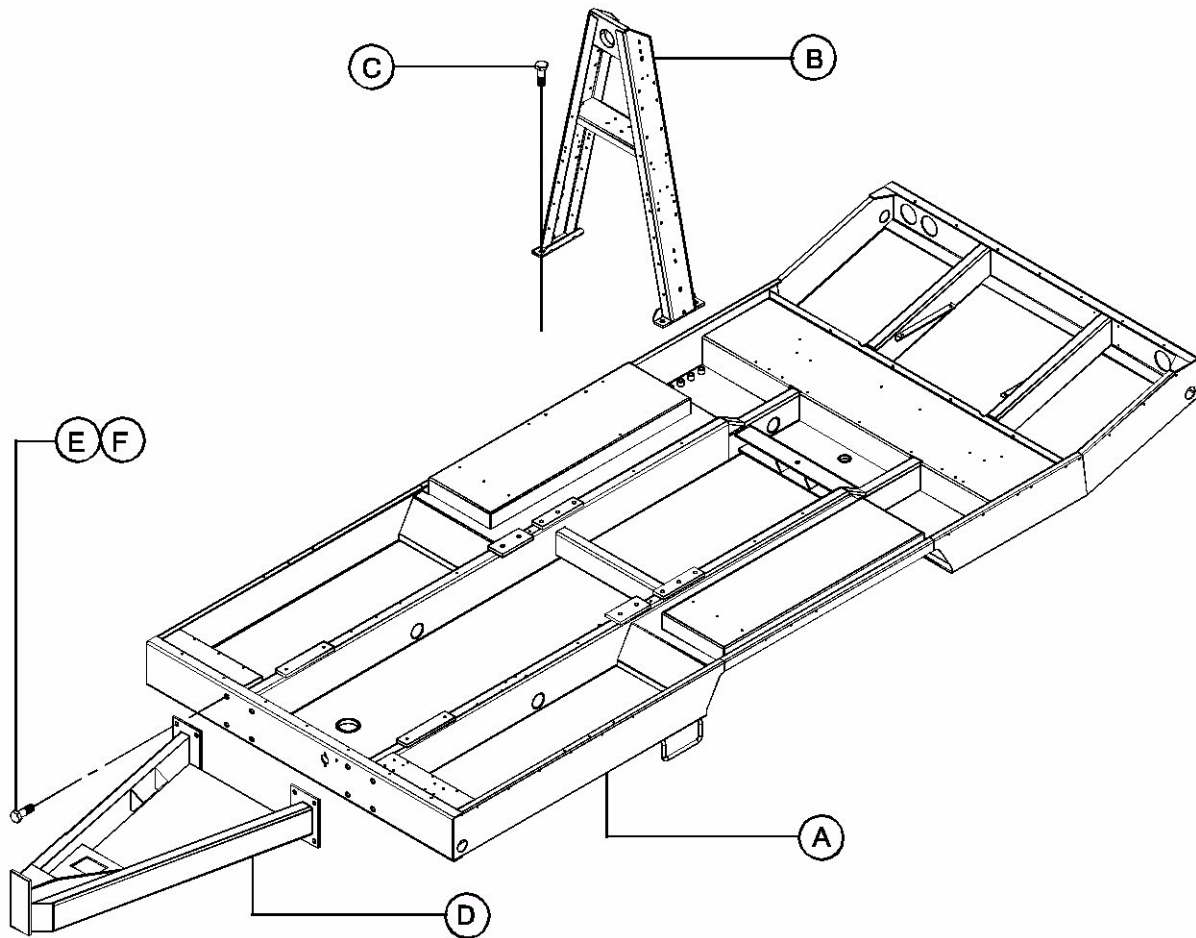
Always specify the model and serial number of the unit.

Specify the part number and description.



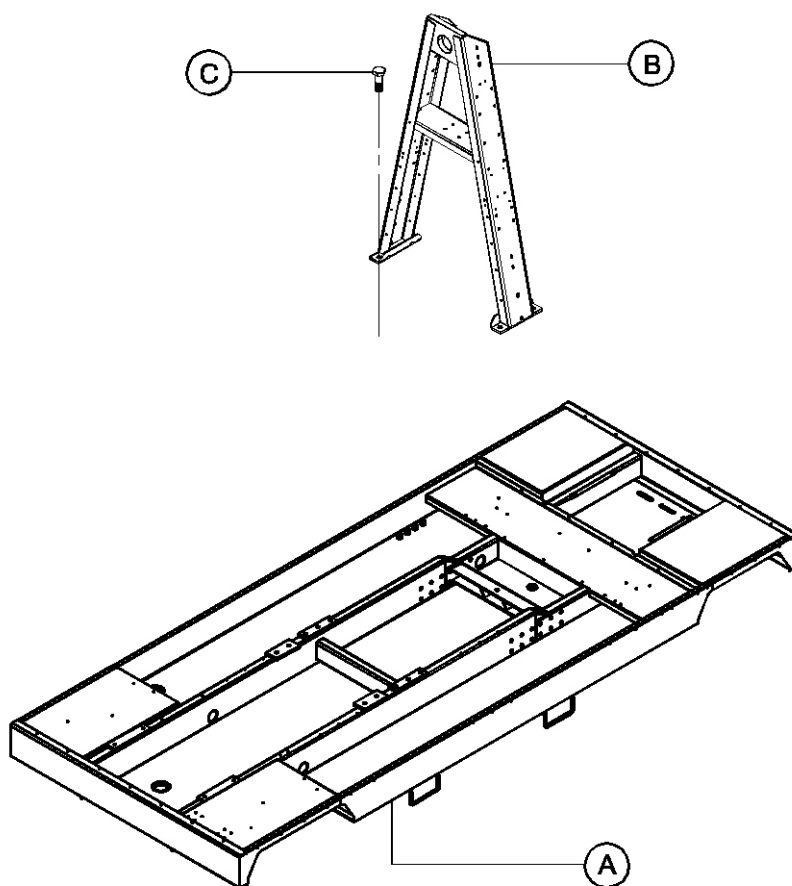
Section 4 - COMPRESSOR PARTS

Tandem Frame Assembly



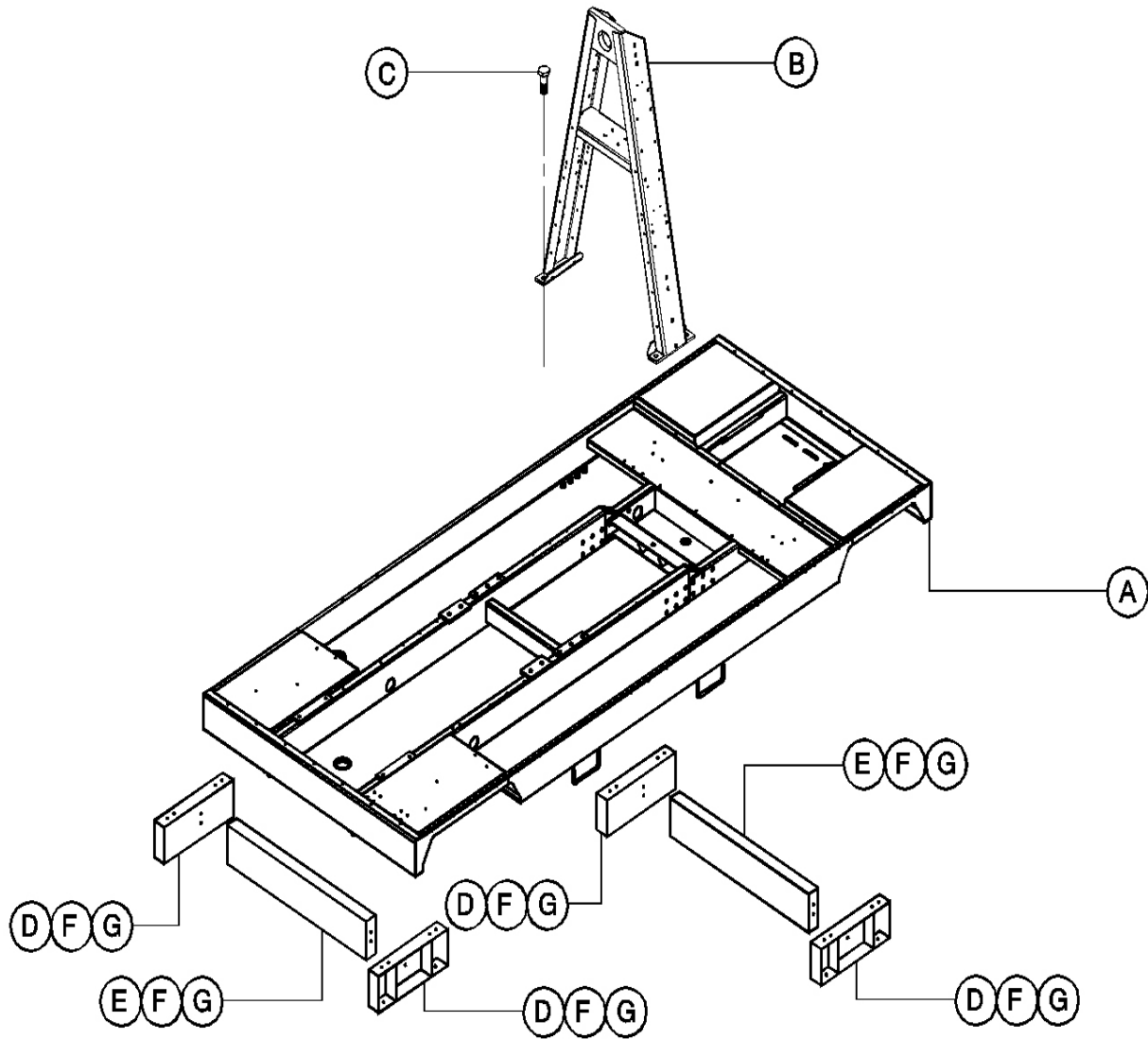
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22687792	Frame Assembly	1	
B	54542543	Bail, Lifting	1	
C	96700901	Screw	6	
D	22687784	Drawbar	1	
E	95996179	Screw, Hex 1.00-8 X 3.50	8	
F	95996187	Nut, Lock 1.00-8	8	

Wagon Frame Assembly



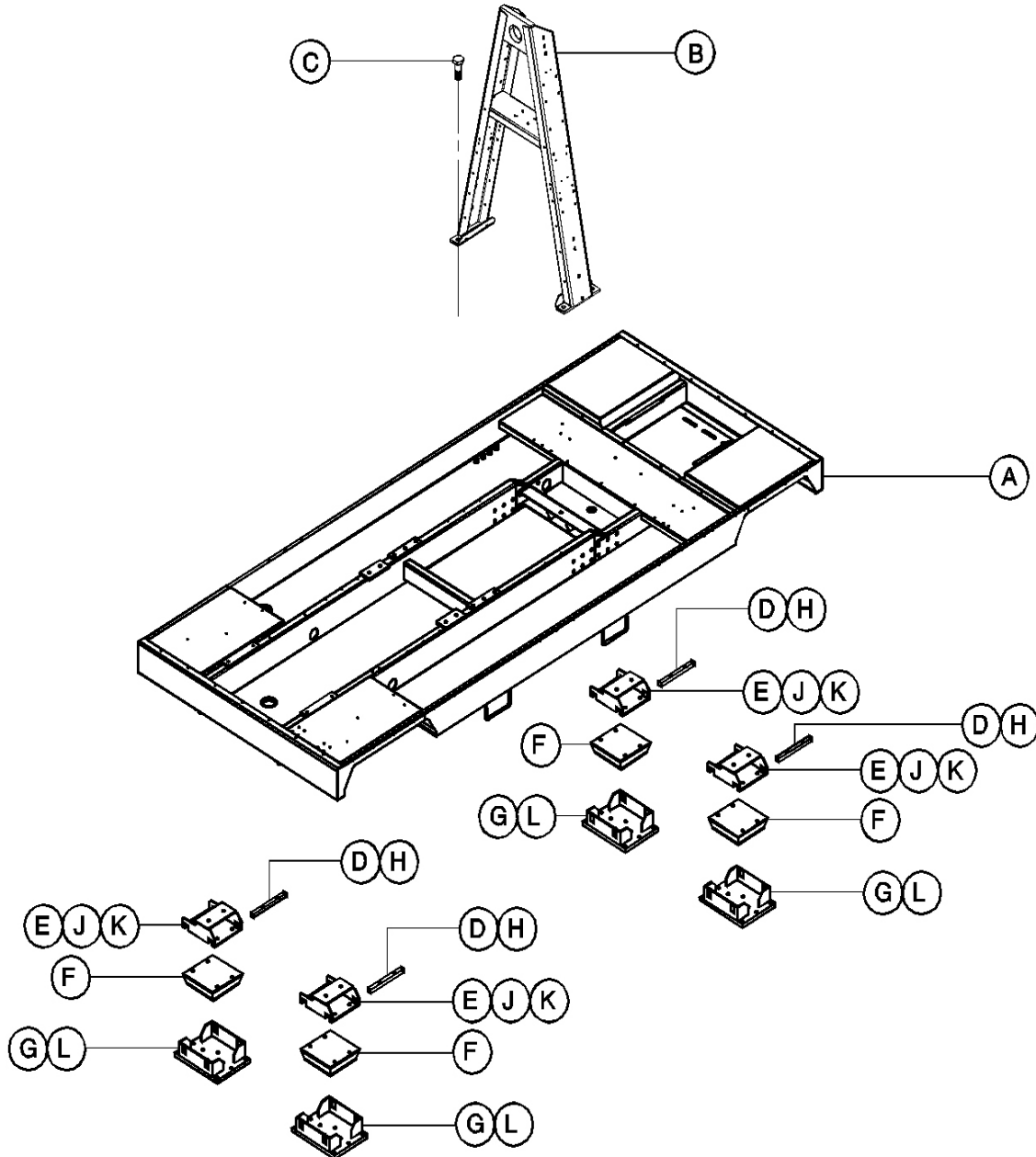
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22689384SB	Frame Assembly	1	
B	22186845	Bail, Lifting	1	
C	96700901	Screw	6	

LRG Pedestal Mount on Wagon Frame Assembly



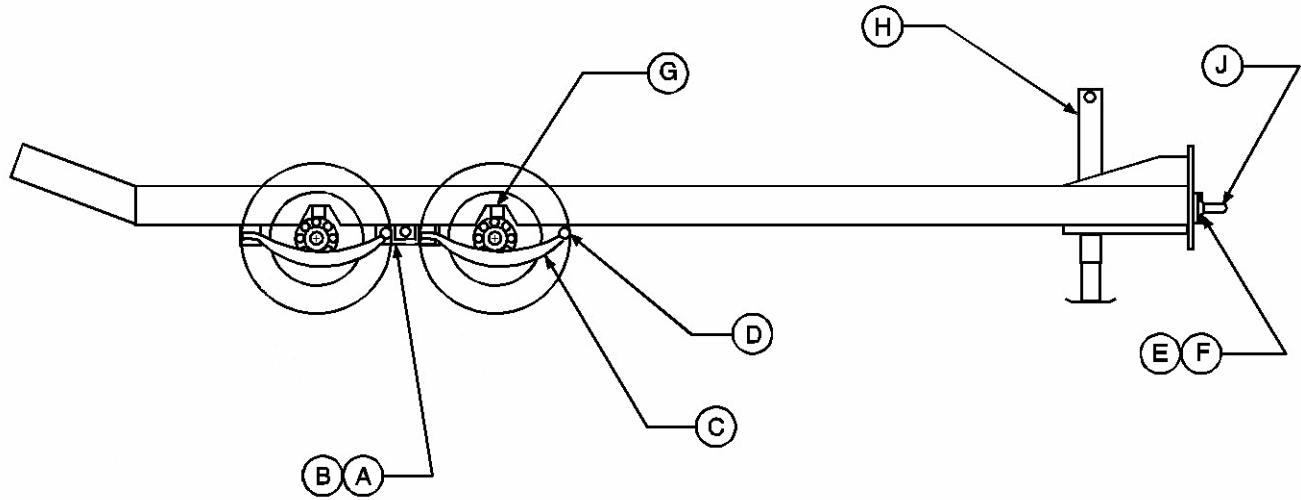
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22689384SB	Frame Assembly	1	
B	22186845	Bail, Lifting	1	
C	96700901	Screw	6	
D	22876197	Support, LRG	4	
E	22053706SB	Crossmember, LRG	2	
F	36879302	Screw, M16 X 50	24	
G	96704630	Nut, M16	24	

LRG Shock Mount on Wagon Frame Assembly



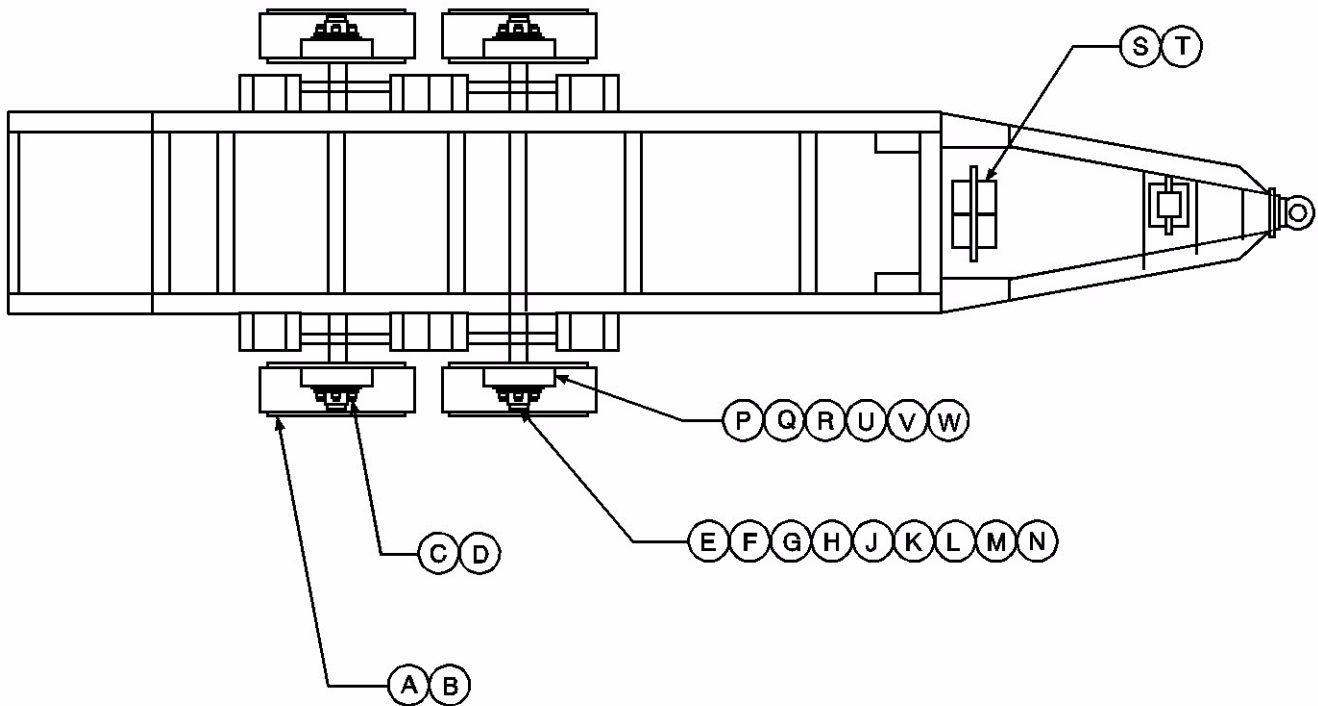
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22689384SB	Frame Assembly	1	
B	22186845	Bail, Lifting	1	
C	96700901	Screw	6	
D	22112171SB	Bar, Shock Mount Rest	8	
E	22110761SB	Support, Upper Shock Mount	4	
F	36847002	Isolator, Shear Mount	4	
G	22110753SB	Support, Lower Shock Mount	4	
H	95994877	Screw, Hex 1/2-20 X 2.0	16	
J	36879302	Bolt, M16 X 50	8	
K	96704630	Nut, M16	8	
L	95954079	Screw, Hex 1/2-20 X 1.0	16	

Tandem Running Gear



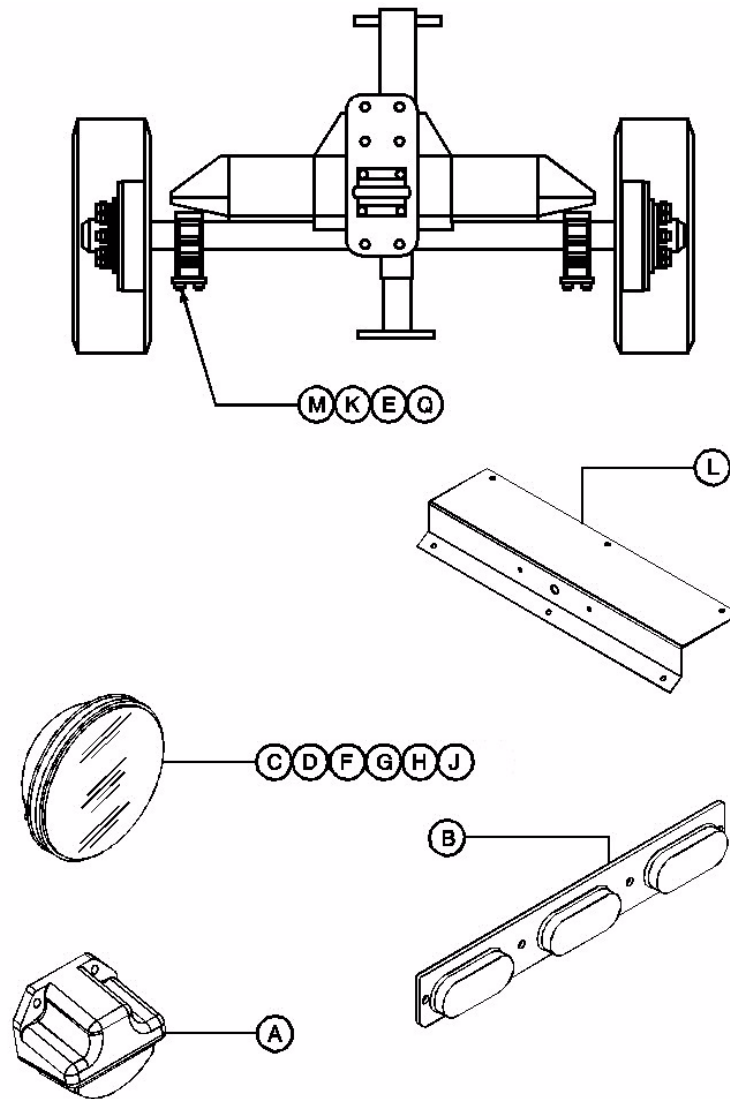
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22688493	Bar, Equalizer	2	
B	95929139	Bolt, Equalizer	2	
C	22786974	Spring, Leaf	4	
D	95923363	Locknut	8	
E	95935201	Screw	4	
F	95923363	Locknut	4	
G	22789226	Spacer, Axle Bump	4	
H	46573339SB	Jack, Dropleg	1	
J	36880128	Eye, Pintle	1	

Tandem Running Gear



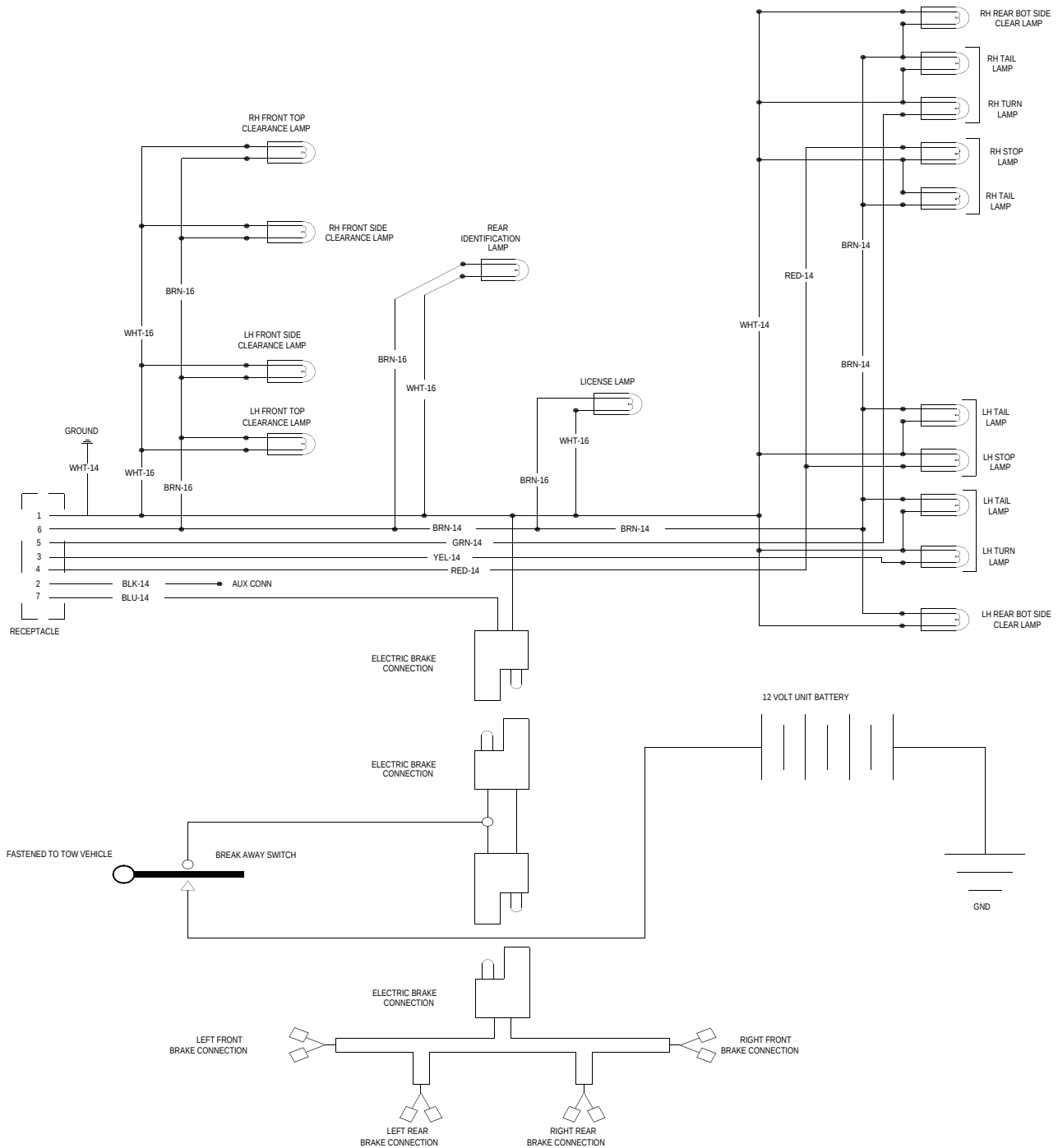
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36877991	Tire	4	
B	22077515	Wheel	4	
	36878049	Ring	4	
C	22860449	Stud	8	
D	22866669	Nut	8	
E	22866636	Nut, Spindle	4	
F	22866644	Washer, Spindle	2	
G	22866628	Washer, Tang	2	
H	22877161	Inner Bearing Cup	1	
J	22877112	Outer Bearing Cup	1	
K	22877146	Inner Bearing Cone	1	
L	22877120	Outer Bearing Cone	1	
M	22877138	Seal	1	
N	22777841	Kit, Grease Cap	8	
P	22870265	Plug, Grease Cap	4	
Q	22857544	L.H. Electric Brake	2	
R	22857551	R.H. Electric Brake	2	
S X	35603190	Chock, Wheel	2	
T Y	35333830	Strap, Rubber	2	

Tandem Running Gear



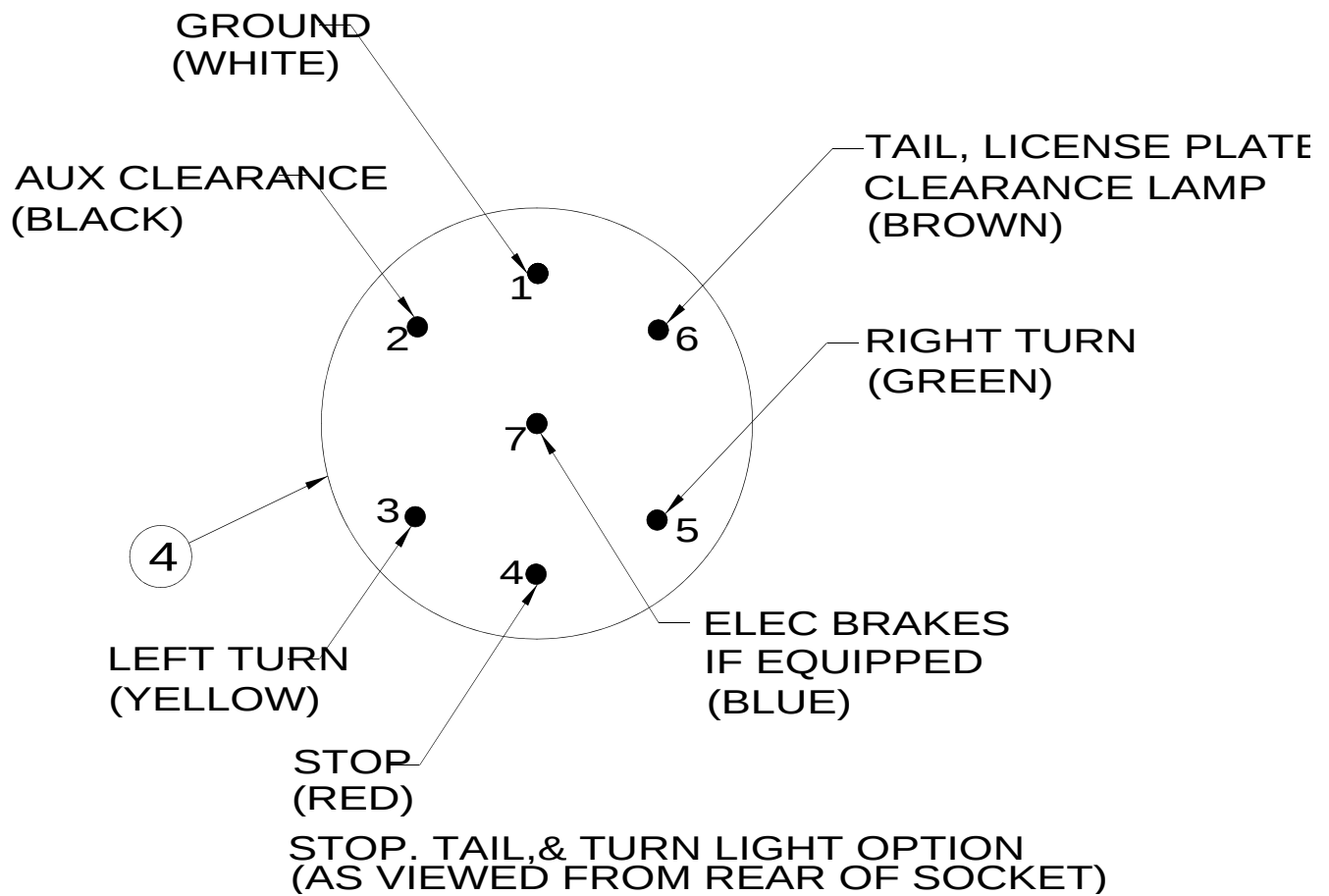
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36895860	Light, License Plate	1	
B	36922144	Light , Ident	1	
C	36788081	Stop, Turn and Tail Light	4	
D	36787968	Grommet (Use on Item C & E)	4	
E	22870299	Nut	8	
F	35367051	Yellow Light	2	
G	36893642	Grommet (Use on Item F)	4	
H	36893634	Grommet (Use on Item F)	2	
J	35367044	Red Clearance Light	2	
K	22870273	U-Bolt	4	
L	95922126	Screw, #10 - 24 X 5/8"	2	
M	35265388	Nut, Locking, #10 - 24	2	
	22891089	Harness, Brake Axle	1	Not Shown
	22891097	Harness, Lighting	1	Not Shown

Tandem Wiring

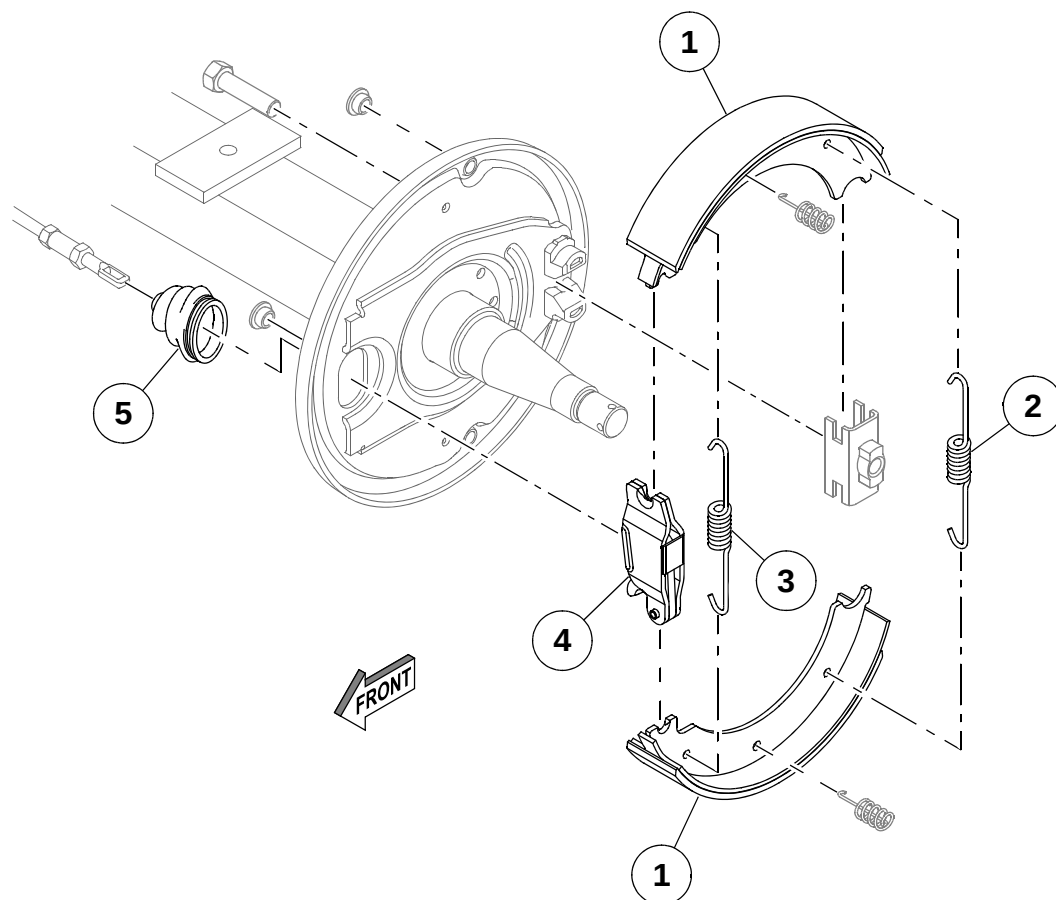


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	54752308	Lighting Harness	1	
	22639728	Electric Brake Harness	1	
	22635387	Break Away Switch Harness	1	

Tandem Wiring

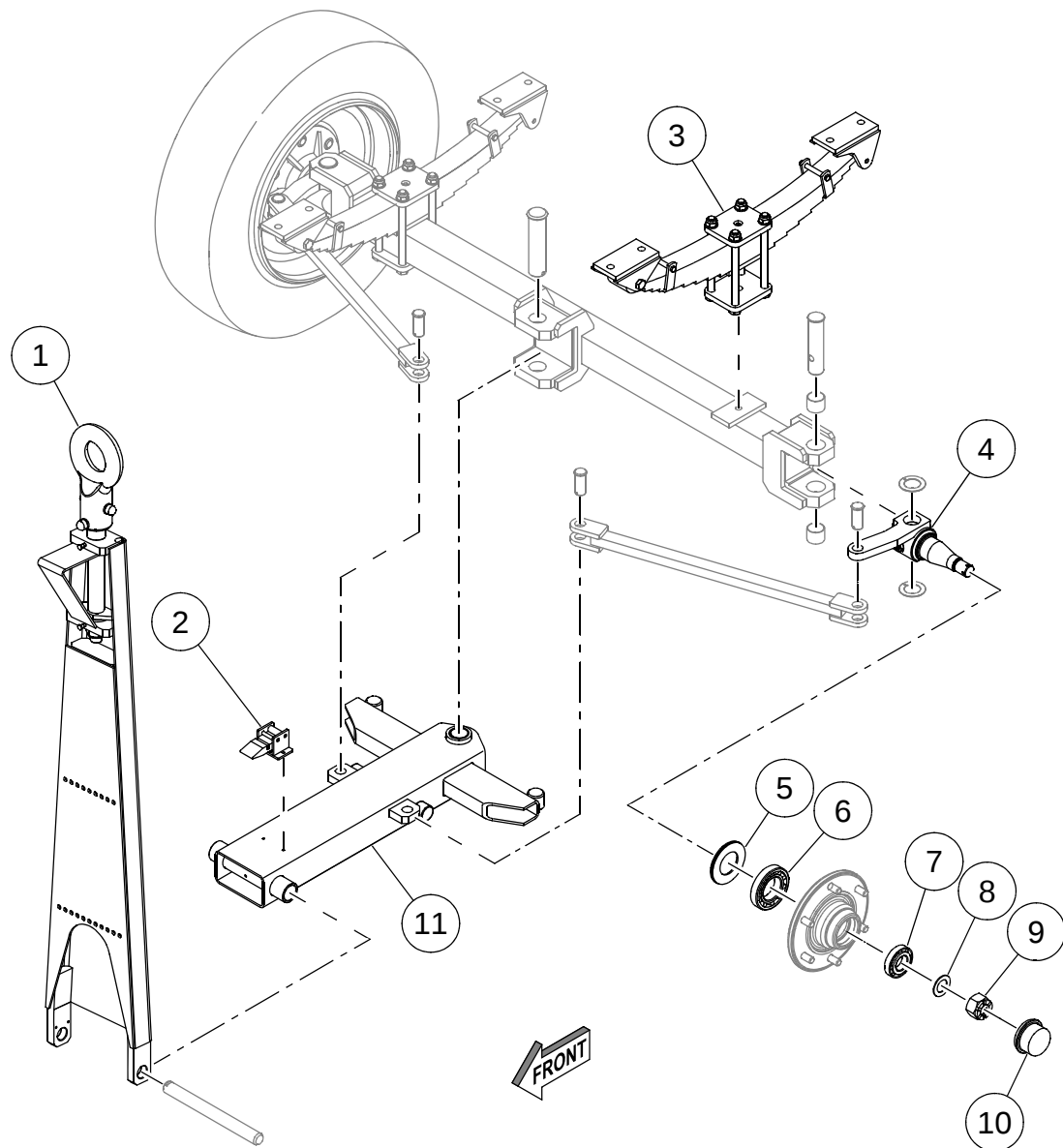


Brake Assembly



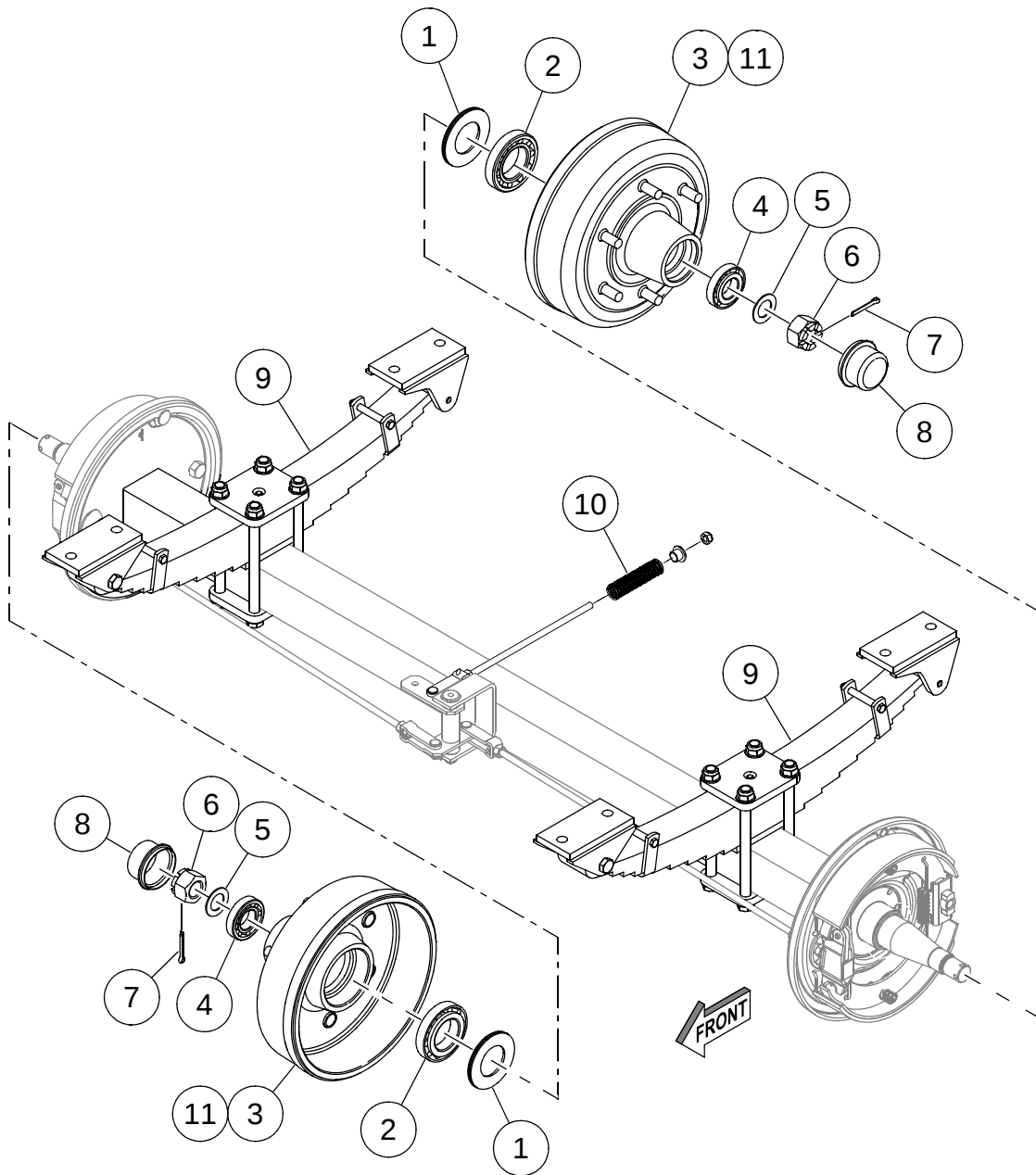
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22392625	Brake Shoe, Complete, Knott Axle	4	
2	22392617	Adjuster, Knott Axle	2	
3	22392666	Spring, Knott Axle	2	
4	22392658	Expander, Knott Axle	2	
5	22392674	Cuff, Brake Rod, Knott Axle	2	

Axle Assembly - Front - STRG



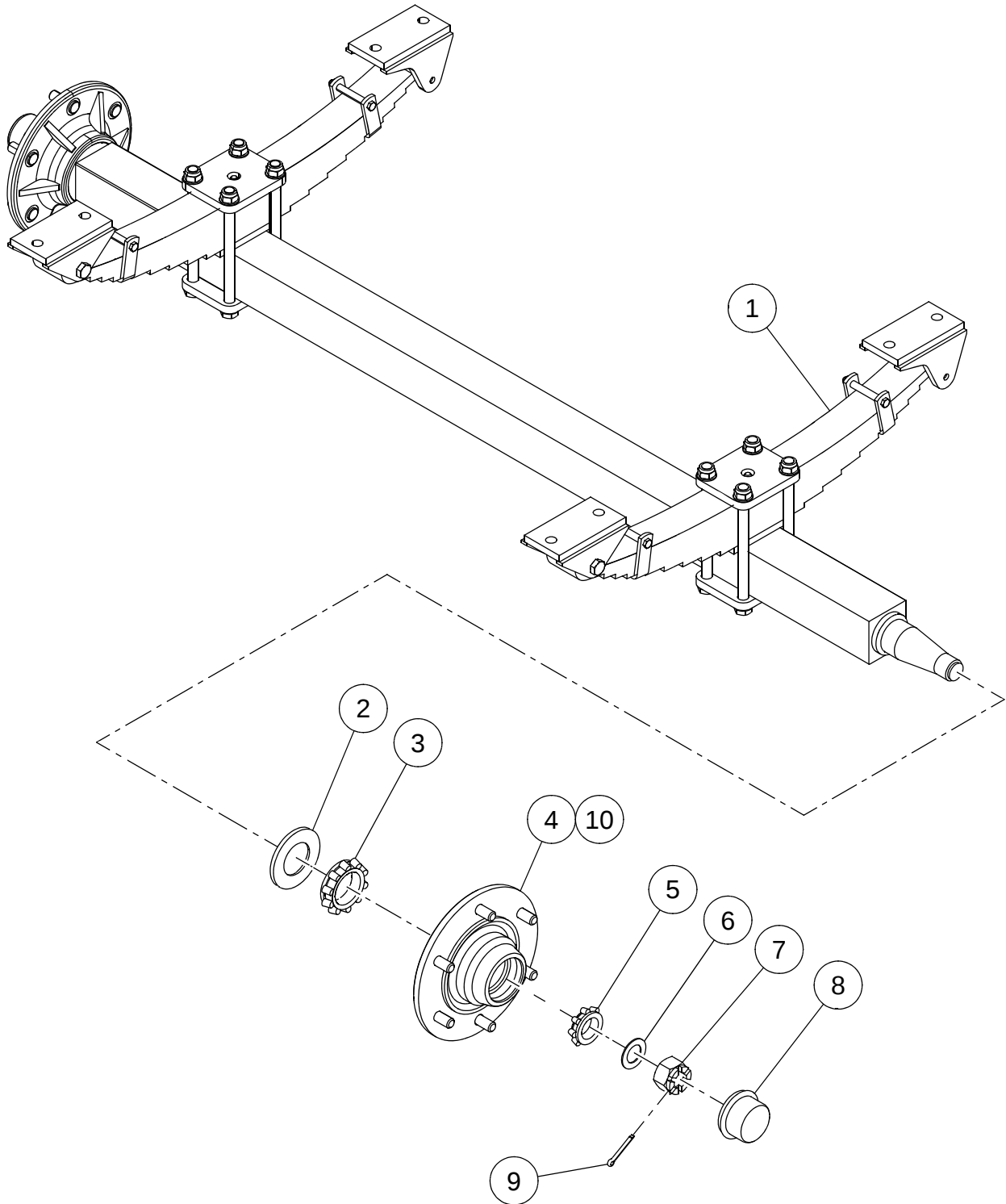
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22871149	Drawbar, Pivot Arm, Knott Axle	1	
2	22871222	Latch, Drawbar, Knott Axle	1	
3	22871289	Spring / Shackle Assembly, Knott Axle	2	
4	22871388	Knuckle, Steering, Right Knott Axle	1	
	22871370	Knuckle, Steering, Left Knott Axle	1	
5	22871214	Ring, Knott Axle	2	
6	22391261	Bearing, Inner Knott Hub	2	
7	22392138	Bearing, Outer	2	
8	22392229	Washer	2	
9	22392146	Nut M30 X 1.5 DIN 935, Knott Axle	2	
10	22392153	Cap, Dust	2	
11	22871123	Drawbar, Steering Arm, Knott Axle	1	

Axle Assembly - Rear with Parking Brake - STRG



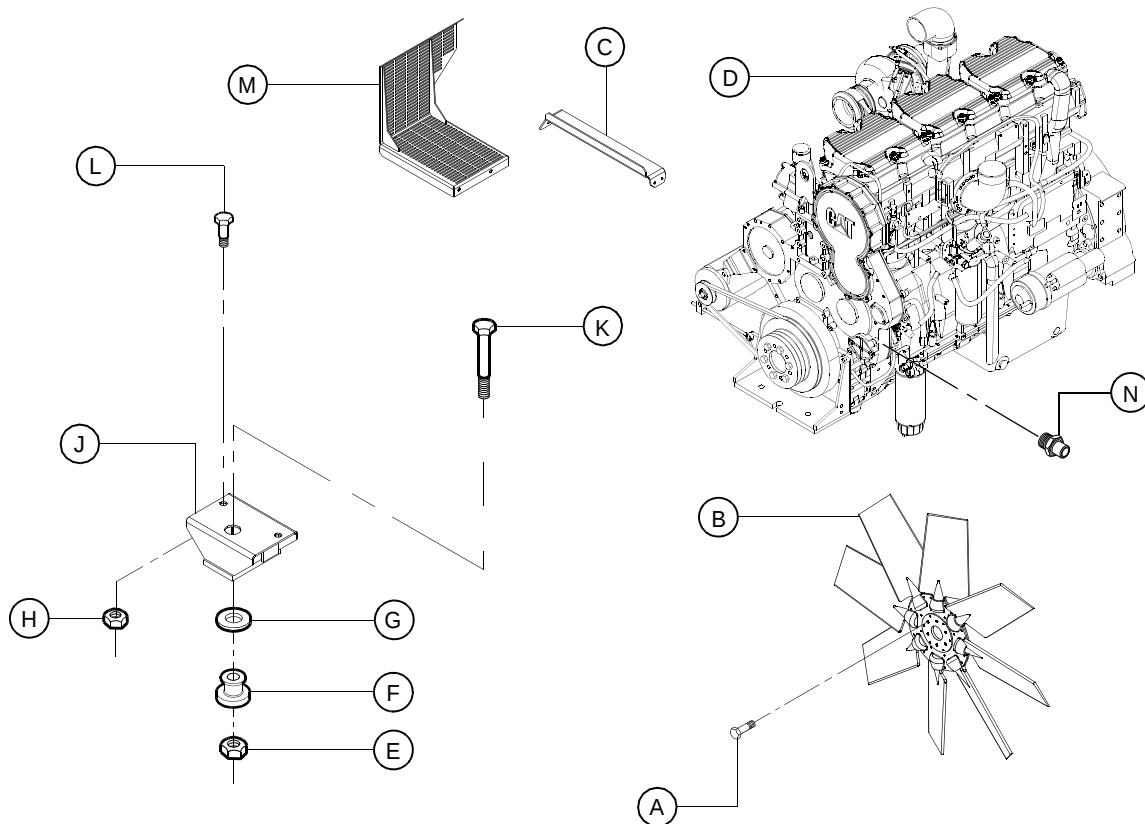
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22871214	Ring, Knott Axle	2	
2	22391261	Bearing, Inner, Knott Axle	2	
3	22392575	Drum, Brake	2	
4	22392138	Bearing, Outer	2	
5	22392229	Washer	2	
6	22392146	Nut	2	
7	22392237	Pin, Cotter	2	
8	22392153	Cap, Dust	2	
9	22871289	Spring / Shackle Assembly, Knott Axle	2	
10	22392559	Spring, Compression, Knott Axle	2	
11	22392211	Nut, M16 - 1.5	12	

Axle Assembly - Rear w/o Parking Brake - STRG



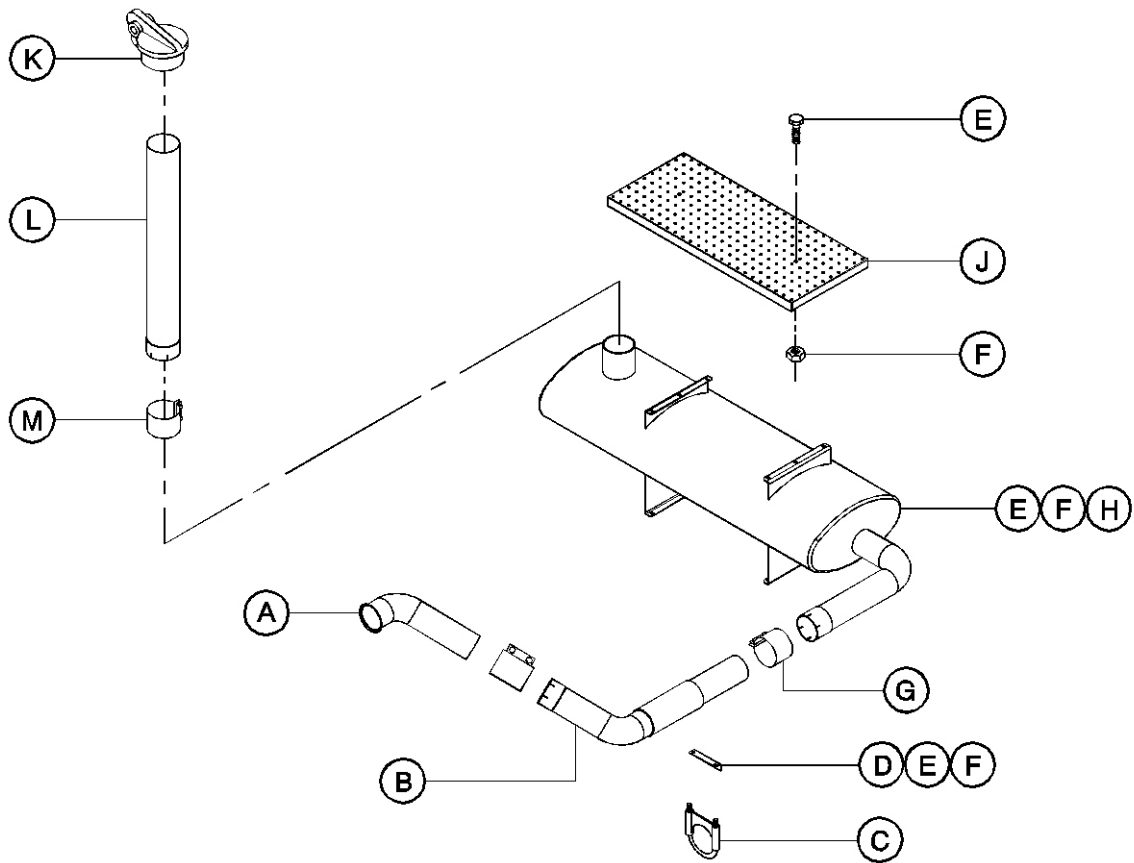
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22871289	Spring / Shackle Assembly, Knott Axle	2	
2	22871214	Ring, Knott Axle	2	
3	22391261	Bearing, Inner, Knott Axle	2	
4	22871115	Hub, Front Axle for Knott	2	
5	22392138	Bearing, Outer	2	
6	22392229	Washer	2	
7	22392146	Nut	2	
8	22392237	Pin, Cotter	2	
9	22392153	Cap, Dust	2	
10	22392211	Nut, M16 - 1.5	12	

Engine Assembly



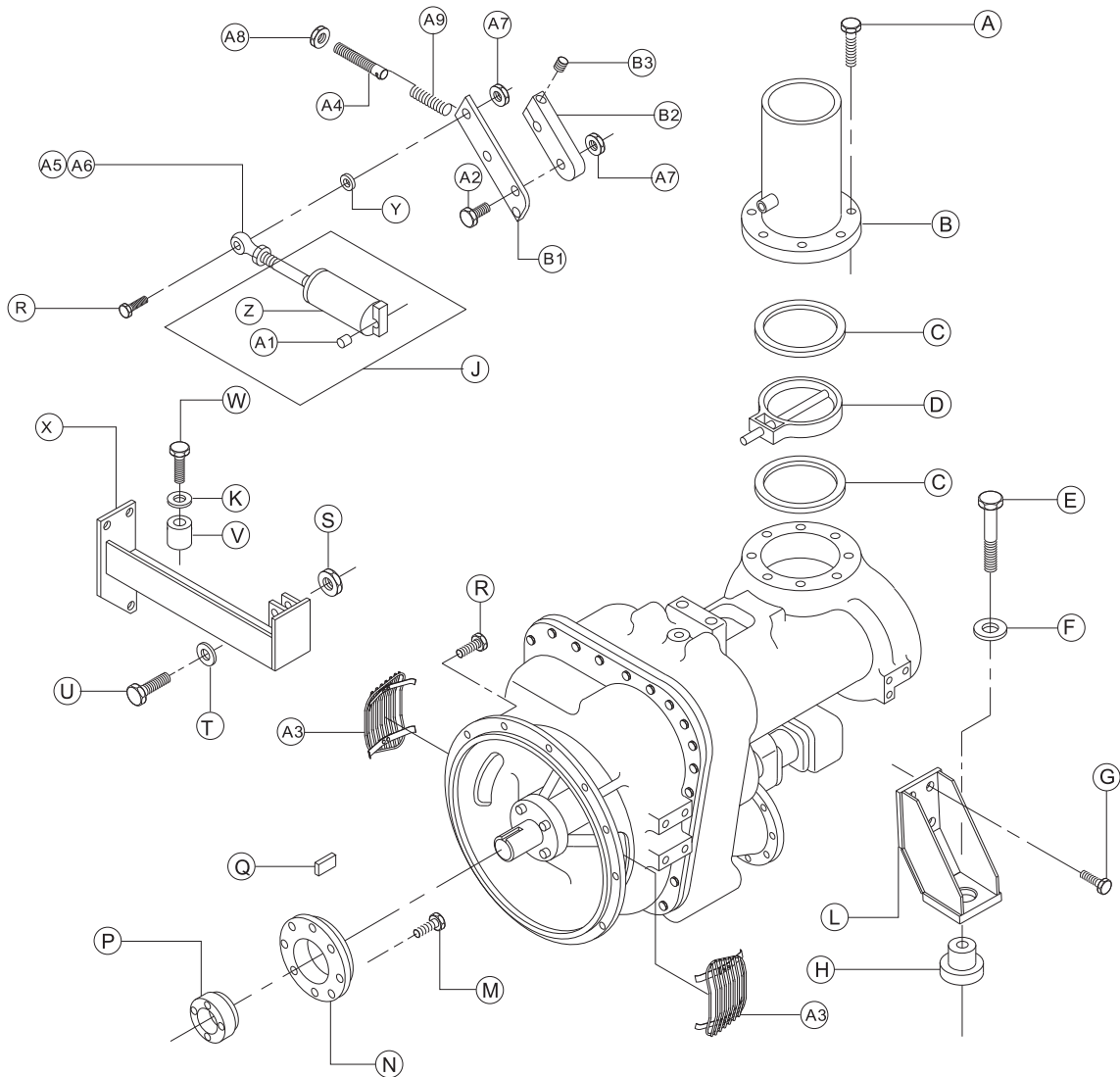
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95920708	Screw	6	
B	36884047	Fan Assembly	1	
C	54747373	Guard, Fan	1	
D	46556801	Engine, CAT C15	1	
E	95923363	Nut	1	
F	35584556	Mount, Rubber	1	
G	35273937	Washer	1	
H	95922928	Nut	2	
J	54613351	Bracket, Engine	1	
K	95934253	Screw	1	
L	95934378	Screw	2	
M	22095525	Turbo, Guard	1	
N	23191505	Adapter	1	In Water Pump
		Engine Filters		
	22730014	Primary Fuel Filter - Filter and Seal	1	
	22730022	Primary Fuel Filter - Bowl Assembly	1	
	22090526	Secondary Fuel Filter		
	35362268	Water Filter		
	35362235	Oil Filter		

Exhaust Assembly



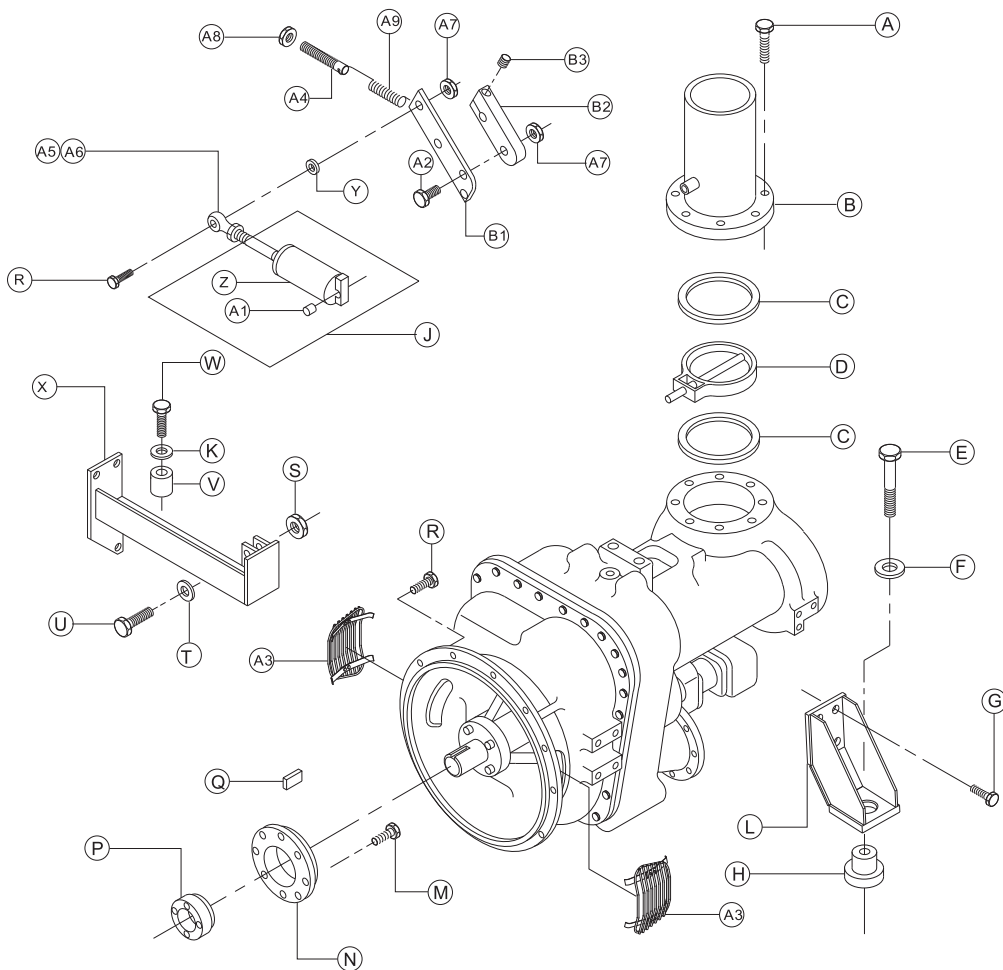
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22085732	Tube, Exhaust Elbow	1	
B	22085740	Tube, Exhaust Ejector	1	
C	35127653	Clamp	1	
D	35313303	Clamp, Seal	1	
E	36880995	Screw	4	
F	36879195	Nut	4	
G	36799807	Clamp, Seal	2	
H	22079495	Muffler	1	
J	54629589	Step	1	
K	35851351	Cap, Rain	1	
L	22179220	Tube, Exhaust Tail	1	
M	23092562	Clamp, 8" Band	1	
	22104343	Wrap, Exhaust	1	Not Shown
	54721105	Kit, Wrap Wire Kit	1	Not Shown

Air End Complete



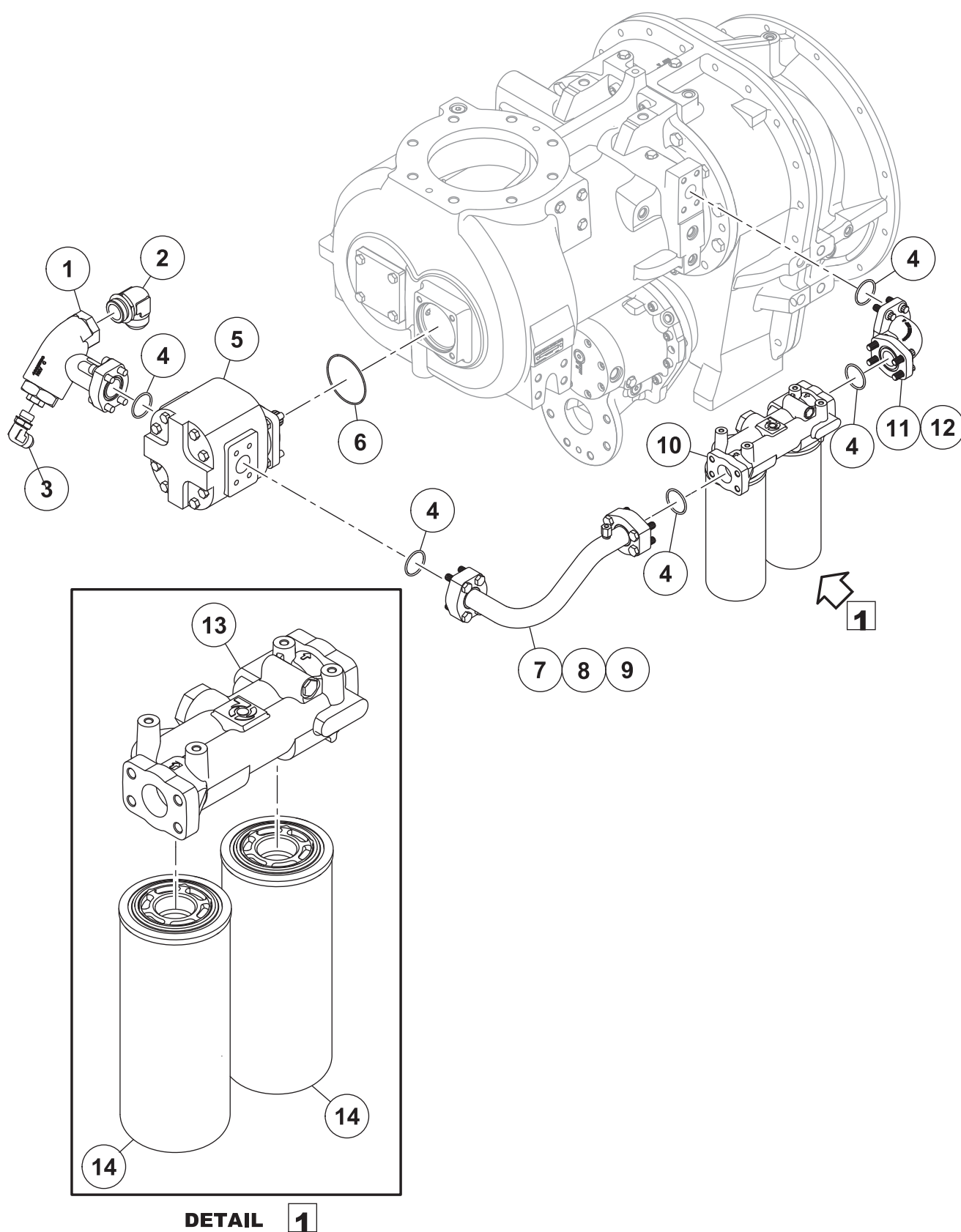
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35375963	Screw	8	
B	36884997	Flange, Intake	1	
C	36754059	Gasket	2	
D	36884112	Valve, Butterfly	1	
E	96700919	Screw	2	
F	35273937	Washer, Snubber	2	
G	35375856	Screw	8	
H	35584556	Mount, Rubber	2	
J	22377212	Kit, Bushing With Cylinder	1	
K	95935011	Washer	2	
L	54613369	Bracket, Mounting	2	
M	95941092	Screw	12	
N	54540141	Coupling	1	
P	36897916	Bushing	1	
Q	46619272	Key	1	
R	95934626	Screw	12	<i>Continued.....</i>

Air End Complete



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	95923314	Nut	1	Continued
T	95934998	Washer, Flat	1	
U	35288893	Screw	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	95934782	Screw	1	
A3	46622860	Cover, Hand Guard	2	
A4	35605799	Rod, Adjuster	1	
A5	35300532	Bearing, Rod End	1	
A6	95926028	Nut	1	
A7	95923330	Nut	1	
A8	35145077	Nut	2	
A9	35579523	Spring	1	
B1	46624081SA	Lever, Regulation	1	
B2	35264951	Lever, Control	1	
B3	95500369	Screw, Set	1	

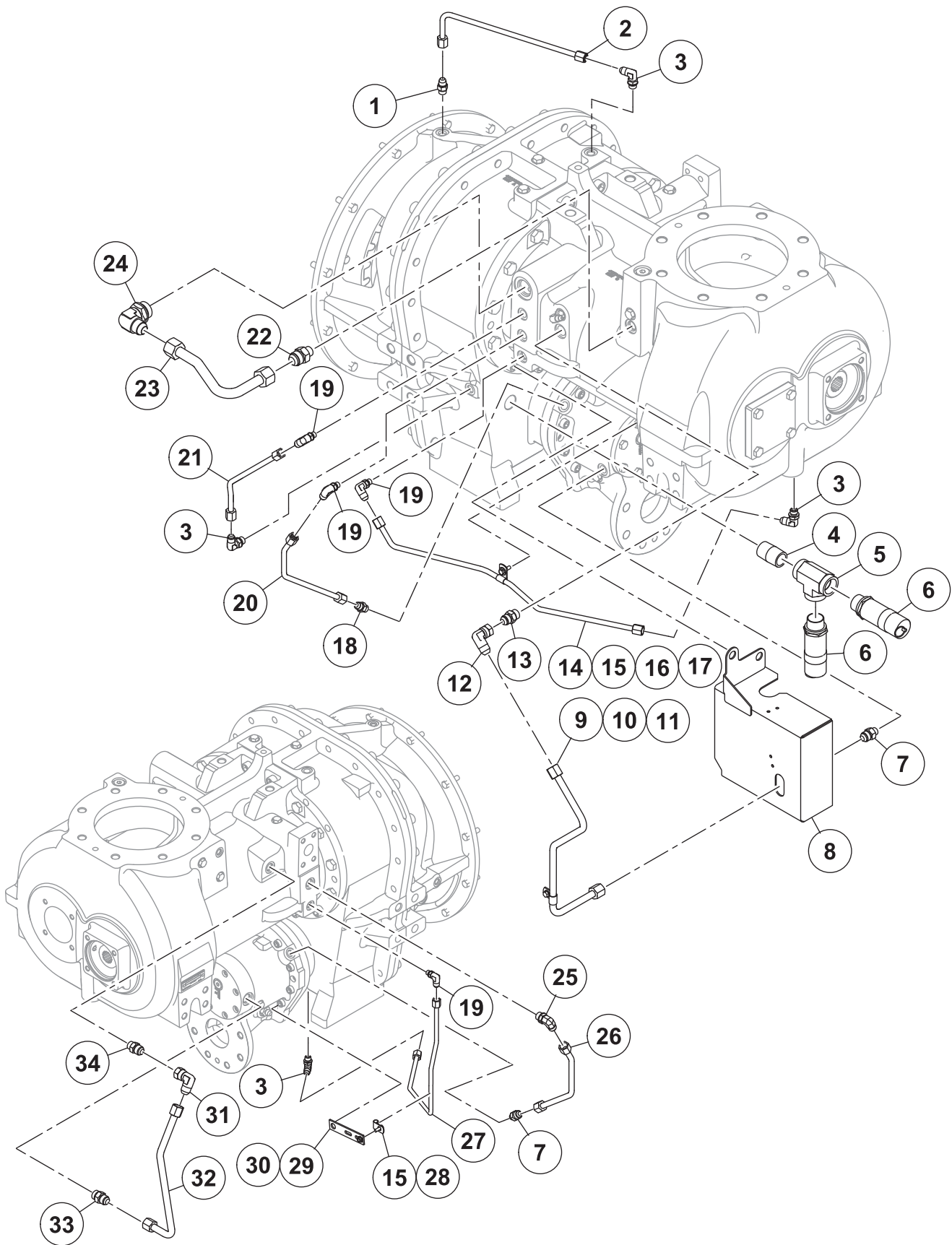
Airend Oil Pump and Filters



Airend Oil Pump and Filters

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46627982	Strainer Assembly, HR350	1	
2	95431292	Elbow, 90° -24 JIC X 1-7/8" -12 UNF SAE, O-Ring	1	
3	35294750	Elbow, 90° -12 JIC X 1-1/16" -12 UNF SAE, O-Ring	1	
4	95987970	O-Ring, 1-7/8" ID X 1/8", Viton -225 Standard	5	
5	46619418	Pump, Oil, HR350	1	
6	95000410	O-Ring, 2" ID X 1/8", Viton -125 Standard	1	
7	46622775	Tube, Pump Outlet, HR350	1	
8	95104196	Screw, Hex, 1/2" -13 UNC X 2"	8	
9	35321389	Cap, -6 JIC	1	
10	46627460	Filter Assembly, Dual, HR350	1	
11	46622471	Elbow, Filter Outlet	1	
12	95475349	Screw, 12 Pt, 1/2" -13 UNC X 1-1/2"	8	
13	46622217	Head, Filter Assembly	1	
14	46671454	Element, Oil Filter	2	

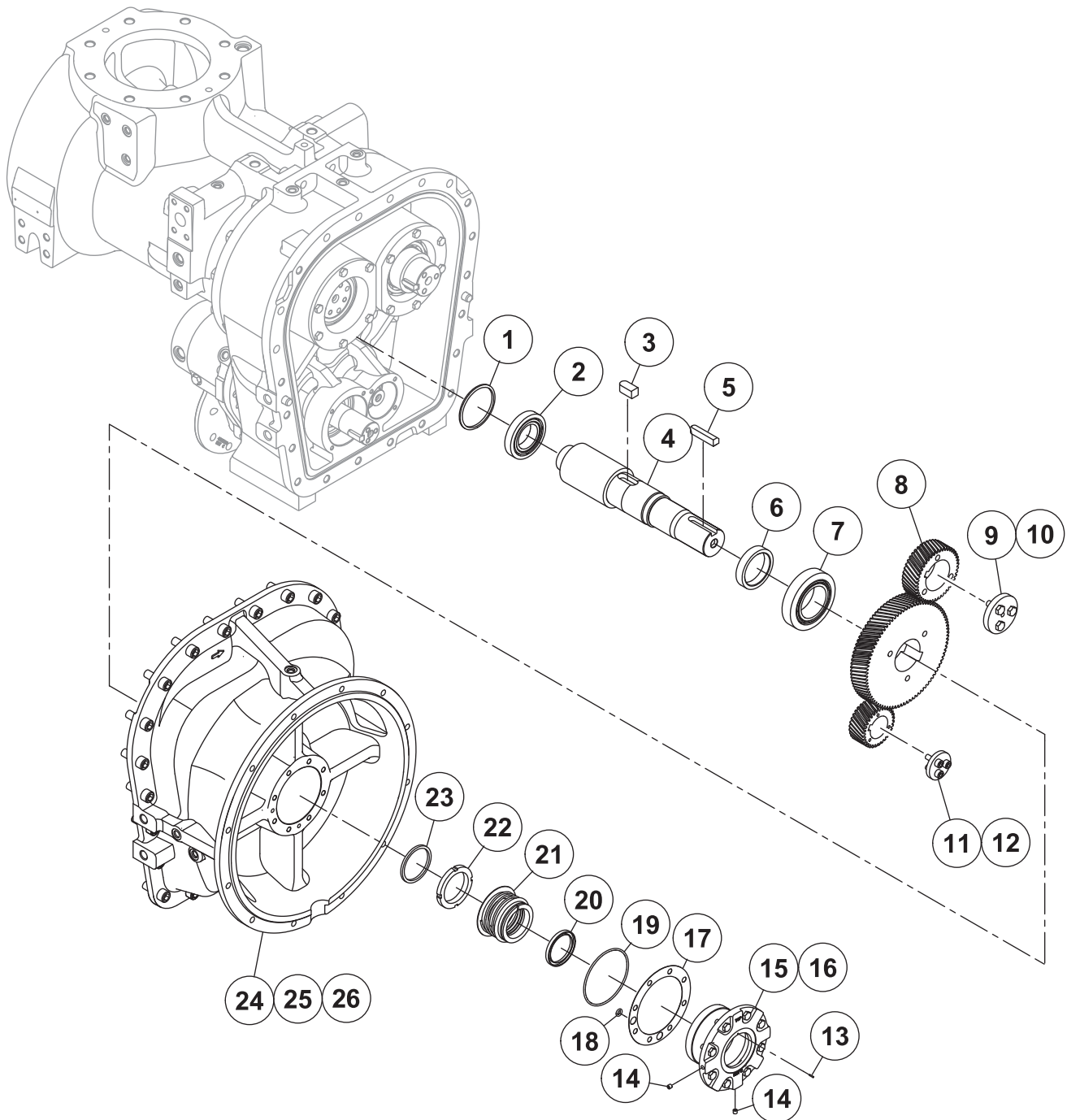
Airend Tubes and Fittings



Airend Tubes and Fittings

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	95365078	Connector, -6 JIC X 9/16" -18 UNF SAE w/O-Ring	1	
2	46622776	Tube, Seal	1	
3	35581909	Elbow, -6 JIC X 9/16" -18 UNF W/Orifice Insert	4	
4	95951422	Nipple, 1" NPT X 2"	1	
5	95953428	Tee, 1" NPTF X 1" NPTF X 1" NPTF, 300 lb.	1	
6	39588041	Valve, Pressure Relief, 200 PSIG, 1" NPT	2	
7	35287895	Connector, -8 JIC X 9/16" -18 UNF SAE O-Ring	1	
8	46623828	Cover, Safety Valve, Pressure Relief	1	
9	46622805	Tube, 2nd Stage Female, Bearing Scavenger	1	
10	35225093	Clamp, Support, 1/2", Rubber Coated	1	
11	36797652	Screw, Hex, M6 -1.0 X 12 MM	1	
12	35287911	Elbow, 90°, -8 JIC X -8 JIC	1	
13	35288166	Connector, -8 JIC X 3/4" -16 UNF SAE O-Ring	1	
14	46622791	Tube, 1st Stage	1	
15	35253038	Clamp, Support, 3/8" ID	1	
16	36769024	Screw, Hex, M6 - 1.0 X 20	2	
17	95935029	Washer, Flat, 1/4" ID	1	
18	95365078	Connector, -6 JIC X 9/16" -18 UNF SAE O-Ring	1	
19	35279827	Elbow, 90°, -6 JIC X 9/16" -18 UNF SAE O-Ring	1	
20	46622780	Tube, 2nd Stage, Discharge Bearing, Female	4	
21	46622778	Tube, Input Shaft, Rear Bearing	1	
22	35296433	Connector, -12 JIC X 3/4" -16 UNF SAE O-Ring	1	
23	46622765	Tube, Pressure Relief	1	
24	95990321	Elbow, 90°, -12 JIC X 1-5/16" -12 UNF SAE O-Ring	1	
25	35279801	Elbow, 90°, -8 JIC X 3/4" -16 UNF SAE O-Ring	1	
26	46653272	Tube, 2nd Stage, Discharge Bearing, Male	1	
27	46622500	Tube, 2nd Stage Inlet Bearing	1	
28	35144328	Screw, Hex Lock, 1/4" - 20 X 5/8"	1	
29	46619276	Bracket, Cable Clip	1	
30	35144492	Nut, Hex Nylon Insert, 1/4" - 20	1	
31	35305648	Elbow, 90°, -10 JIC X -10 JIC Female	1	
32	46622743	Tube, 2nd Stage Male, Bearing	1	
33	35286954	Connector, -10 JIC X 7/8" -14 UNF SAE O-Ring	1	
34	95303376	Connector, -10 JIC X 7/8" -14 UNF SAE O-Ring	1	

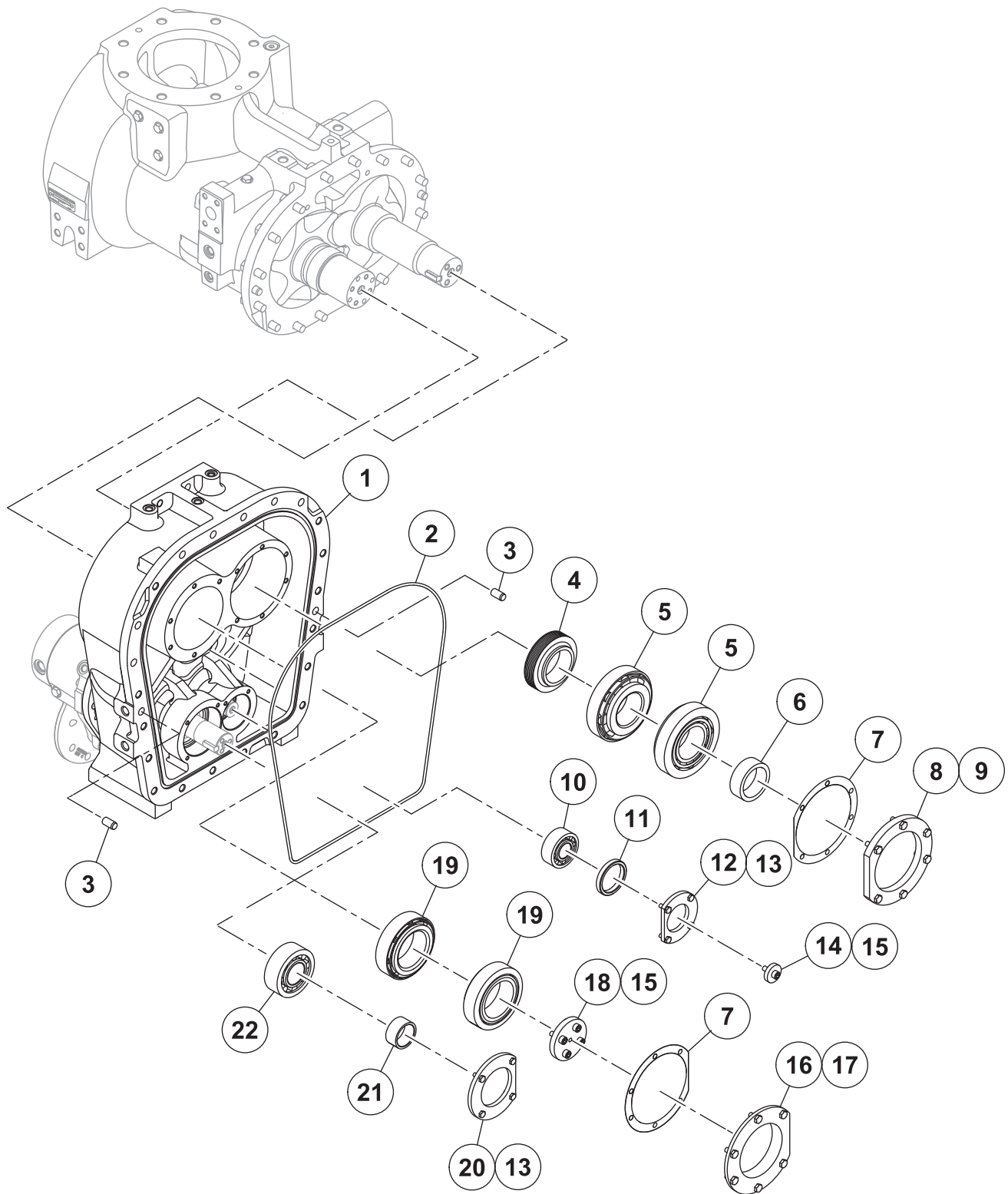
Airend Gear Case



Airend Gear Case

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46548301	Spacer, Bearing Input	1	
2	46619275	Bearing, TRB 55 X 100 X23	1	
3	46619270	Key, 19 X 19 X 40	1	
4	46548236	Shaft, Input, HR350	1	
5	46619272	Key, 16 X 16 X 70	1	
6	46548269	Spacer, Gear, Input	1	
7	46619274	Bearing, TRB, 71.438 X 127 X 36.512	1	
8	46623440	Gear Set, HR350, 83/48/36	1	
9	46548228	Plate, Clamp	1	
10	96712187	Screw, Hex, M12 -1.75 X 30	1	
11	46548285	Plate, Clamp, 2 Stage Male	1	
12	35311463	Screw, Hex, Socket, M10 - 1.5 X 30	3	
13	95533469	Pin, 0.101" X 0.438"	1	
14	46610699	Plug, Expansion, 8MM Dia. X 34 MM	2	
15	46623999	Seal, Housing, HR350	1	
16	96702295	Screw, Hex, M10 - 1.5 X 25	8	
17	46619400	Shim Set, 129 X 176	1	
18	46555839	O-Ring, Viton 2-204 Standard, 3/8" ID X 1/8"	2	
19	46619271	O-Ring, Viton -248 Standard, 4-3/4" ID X 1/8"	1	
20	46619401	Seal, Lip, 63.5 X 77.5 X 8	1	
21	46619402	Seal, Shaft, Input, 98.425 Dia	1	
22	46619273	Nut, Lock, M70 X 2 X 12	1	
23	46548244	Spacer, Bearing	1	
24	46606179	Housing, Gearcase, HR350	1	
25	96708391	Screw, Hex, Socket, M16 -2.0 X 45	22	
26	46622860	Cover, Hand Guard	2	

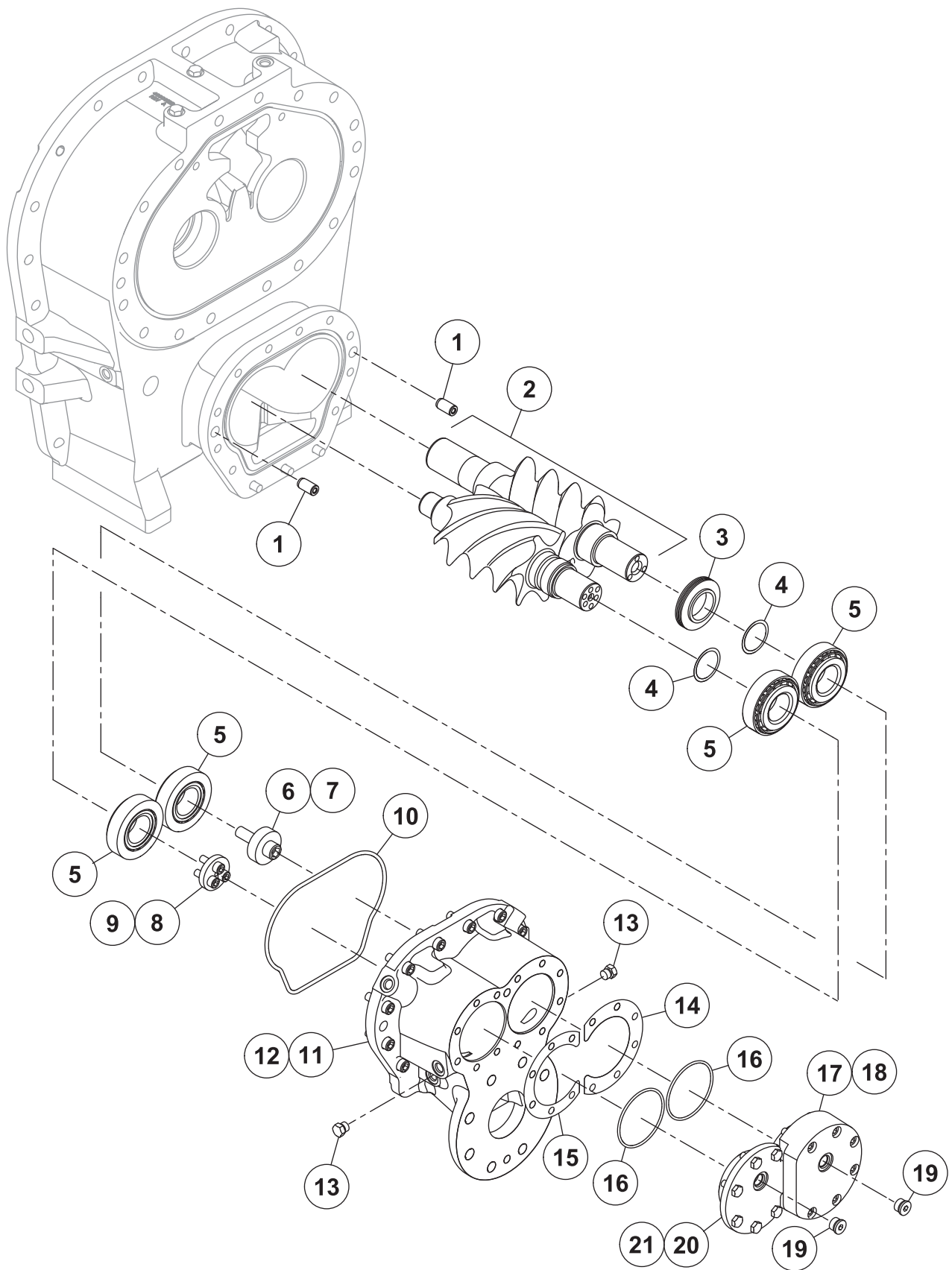
Airend Interstage Bearings and Caps



Airend Interstage Bearings and Caps

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46606181	Housing, Interstage, Machined, HR350	1	
2	46619403	O-Ring, 73.73 ID X .125 WD Viton w/Splice	1	
3	46618986	Pin, Dowel, 16 MM DIA X 32 MM	2	
4	46548467	Piston, Thrust, MR1	1	
5	46619412	Bearing, TRB, 76 X 162 X 49.5 (9220/9285)	2	
6	46548277	Spacer, Gear, 1st Stage	1	
7	46619411	Shim Set, 162 X 200	2	
8	46548459	Retainer, Bearing, 1st Stage, Male	1	
9	96701487	Screw, Hex, M10 -1.5 X 30	6	
10	46619277	Bearing, CRB, 35 X 80 X 31 (NU2307)	1	
11	46548327	Spacer, Bearing, 2nd Stage, Female	1	
12	46548368	Retainer, Bearing, 2nd Stage, Female	1	
13	35273408	Screw, Hex, M8 -1.25 X 20	8	
14	46548376	Plate, Inlet Clamp, 2nd Stage, Female	1	
15	35311463	Screw, Hex, Socket, M10 - 1.5 X 30	4	
16	46548434	Retainer, Bearing, Outer HR350	1	
17	96716139	Screw, Hex, Socket, M10 - 1.5 X 20	6	
18	46548442	Plate, Clamp, 1st Stage, Female	1	
19	46619410	Bearing, TRB, 86 X 142 X 43 (HM617010/ HM617049)	2	
20	46548350	Retainer, Bearing, 2nd Stage, Male	1	
21	46548293	Spacer, Gear, 2nd Stage	1	
22	46619404	Bearing, CRB, 50 X 110 X 40 (NU2310)	1	

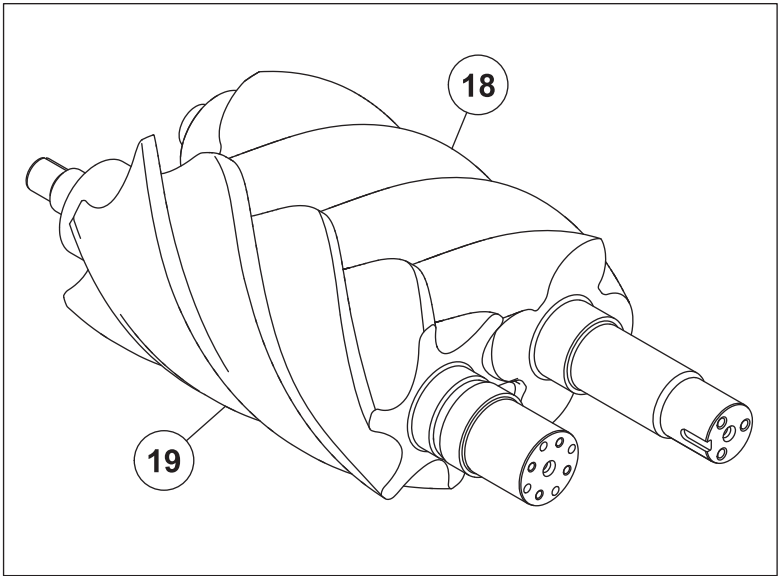
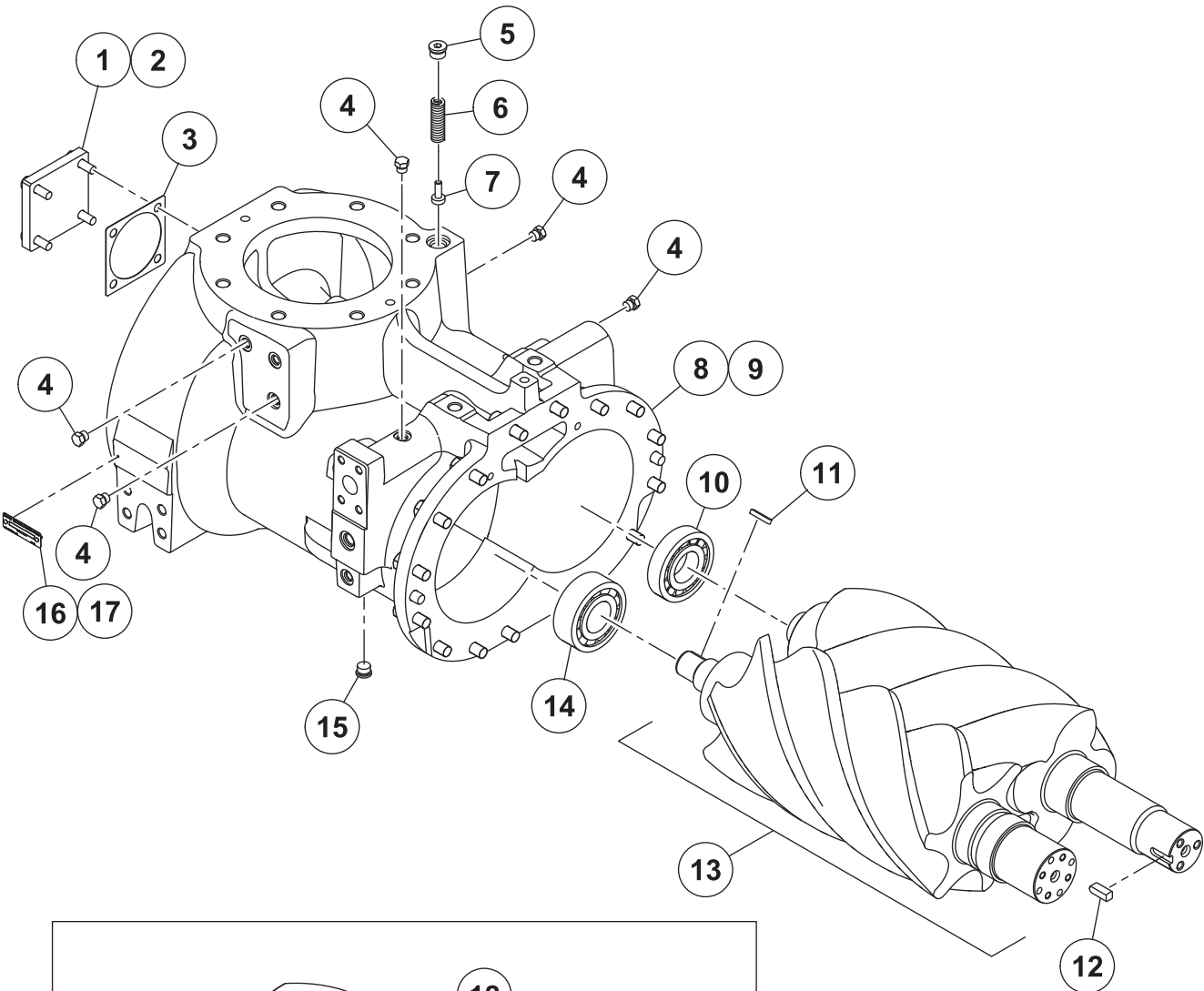
Airend 2nd Stage Rotors



Airend 2nd Stage Rotors

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46618986	Pin, Dowel 16 MM Dia. X 32 MM	2	
2	46609165	Rotor Set, 2nd Stage, HR350	1	
3	46548384	Piston, Thrust, MR2	1	
4	46619405	Shim Set, 44.6 X 54	2	
5	46619278	Bearing, TRB, 44.5 X 95.2 X 31 (HM903210/ HM903249)	4	
6	46548392	Retainer, Bearing, Male, 2nd Stage	1	
7	96725130	Screw, Hex, Socket, M16 -2.0 X 60	1	
8	46548426	Plate, Clamp, Female, 2nd Stage	1	
9	35311463	Screw, Hex, Socket, M10 -1.5 X 30	3	
10	46620820	O-Ring, 9.00 ID X .188, Viton 2-373 Standard	1	
11	46611859	Housing, Discharge, Machined, HR350	1	
12	96742465	Screw, Hex, Socket, M12 -1.75 X 35	10	
13	95938205	Plug, Hex, Socket, 9/16" -18 UNF SAE, O-Ring	2	
14	46619406	Shim Set, 98 X 152	1	
15	46619408	Shim Set, 98 X 140	1	
16	95026290	O-Ring, 3.484 ID X .139, Viton -238 Standard	2	
17	46621443	Cover, Bearing, Machining, HR350	1	
18	39125000	Screw, Hex, Socket, M10 - 1.5 X 45	6	
19	39101449	Plug, Hex, Socket, 3/4" -16 UNF SAE, O-Ring	2	
20	46548335	Cover, Bearing, Machining, HR350	1	
21	96702295	Screw, Hex, M10 - 1.5 X 25	6	

Airend 1st Stage Rotors

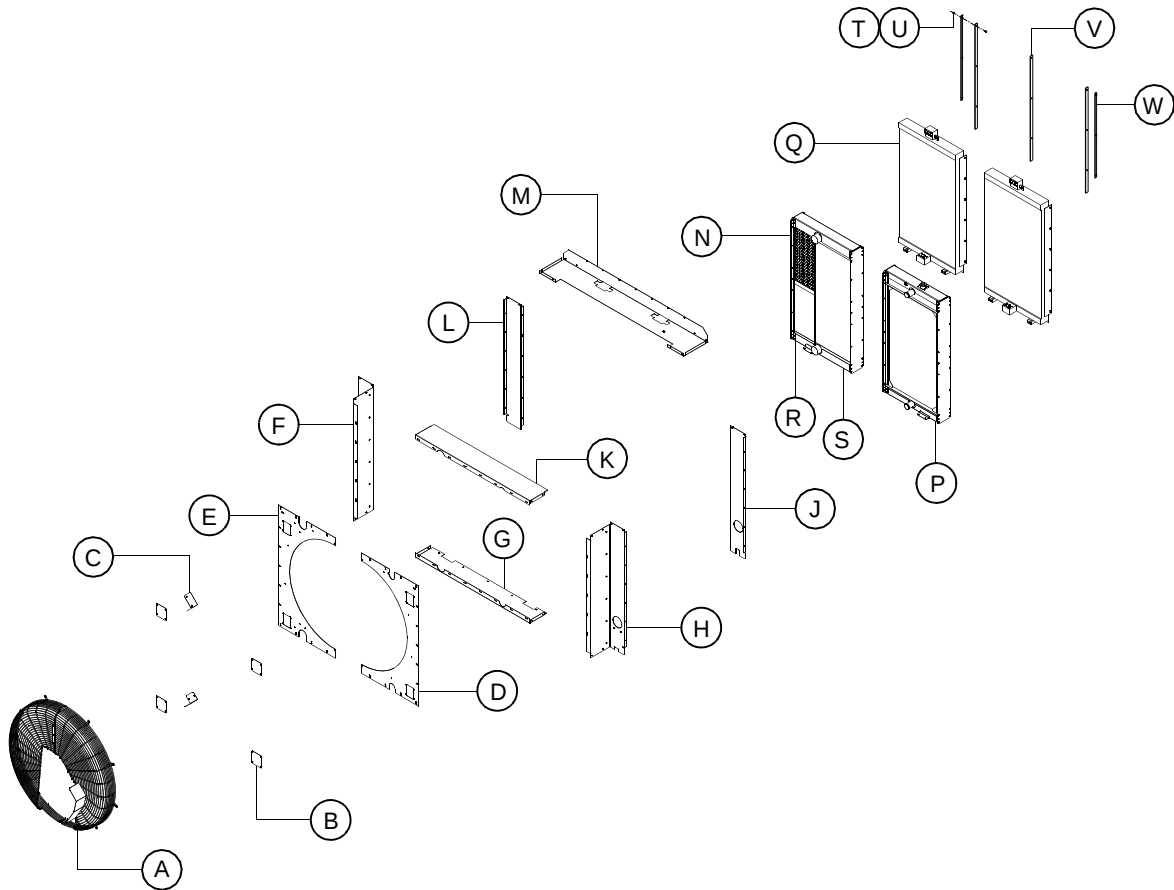


DETAIL 1

Airend 1st Stage Rotors

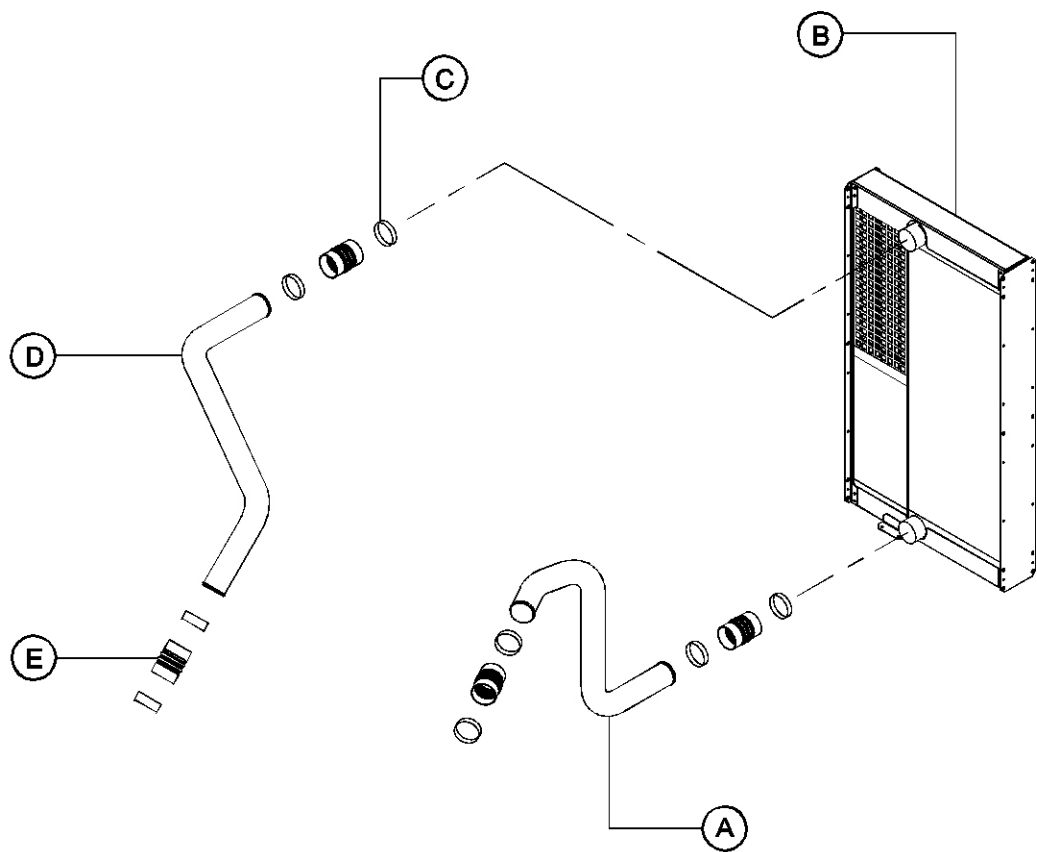
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46548418	Cover, Bearing, HR350	1	
2	96706080	Screw, Hex, M12 - 1.75 X 40	4	
3	46619407	Gasket, Bearing Cover, HR350	1	
4	95938205	Plug, Hex, 9/16" -18 UNF SAE, O-Ring	5	
5	36861557	Plug, Hex, Socket, 7/8" -14 UNF SAE, O-Ring	1	
6	46620821	Spring, Bypass Valve	1	
7	46548319	Piston, By-Pass Valve	1	
8	46599760	Housing, Rotor, Machining, HR350	1	
9	96706262	Screw, Hex, M16 -2.0 X 45	16	
10	46555865	Bearing, CRB, 50 X 110 X 27 (NJ310)	1	
11	95340428	Key, 1/4" X 1-1/2"	1	
12	46619239	Key, 12.7 X 12.7 X 35	1	
13	46609161	Rotor Set, 1st Stage, HR350	1	
14	46622779	Bearing, CRB, 50 X 110 X 40 (NJ2310)	1	
15	39101449	Plug, Hex, Socket, 3/4" -16 UNF SAE, O-Ring	1	
16	46607979	Plate, Serial Number	1	
17	46626304	Rivet, Drive Screw, 3.56 Dia. X 9.5	2	
18	46609159	Rotor, 1st Stage, Male, HR350	1	
19	46609160	Rotor, 1st Stage, Female, HR350	1	

Radiator and Oil Cooler



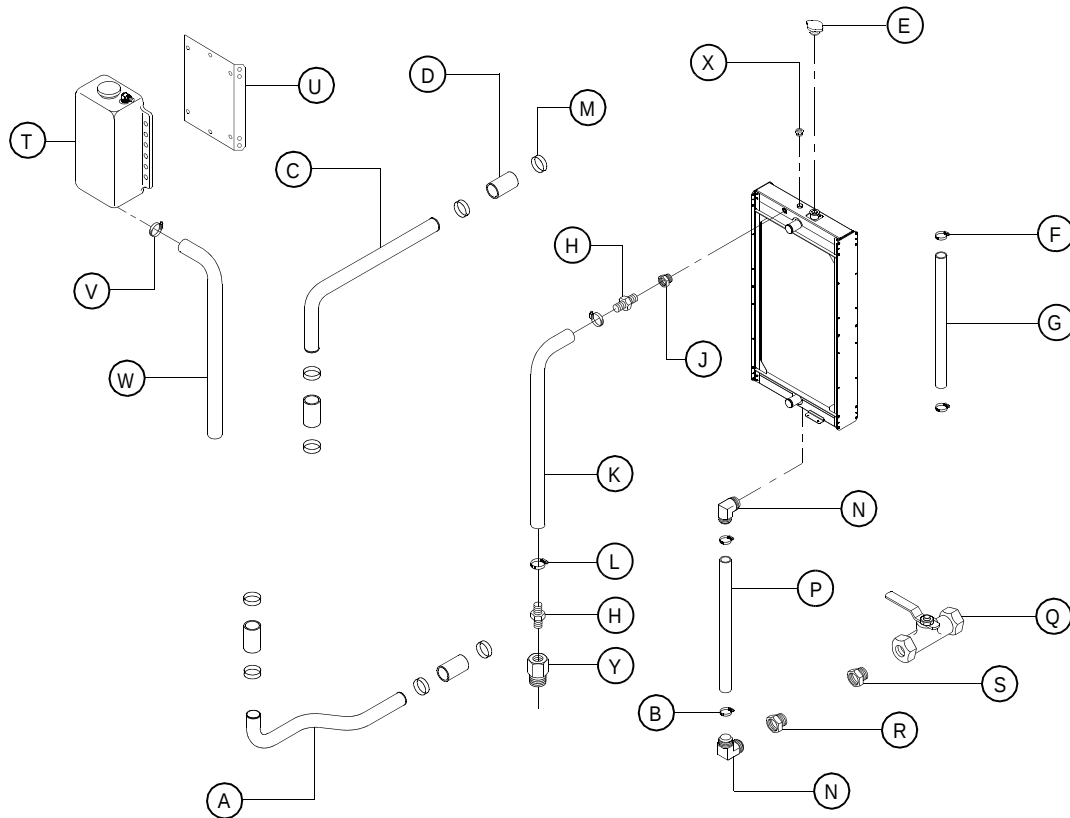
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54747373	Fan Guard Assembly	1	Includes R & S
B	54661426	Plate, Cover	4	
C	54661459	Bracket	2	
D	54507488	Orifice, L.H. Fan	1	
E	54507470	Orifice, R.H. Fan	1	
F	54669114	Support, R.H. Shroud	1	
G	54669098	Support, Bottom Shroud	1	
H	22098958	Support, L.H. Shroud	1	
J	22098941	Support, L.H. Rear Shroud	1	
K	54669106	Support, Top Shroud	1	
L	22496277	Support, R.H. Rear Shroud	1	
M	22495311	Support, Top Rear Shroud	1	
N	54501846	Cooler, A/C Fuel Assembly	1	
P	22767453	Radiator	1	
Q	54627161	Cooler, Oil	2	
R	22247399	Cooler, Fuel	1	
S	22247407	Cooler, Charger Air	1	
T	36881886	Nut	9	
U	96748033	Screw	9	
V	22494298	Isolater	3	
W	22498299	Spacer	2	

Charge Air Piping



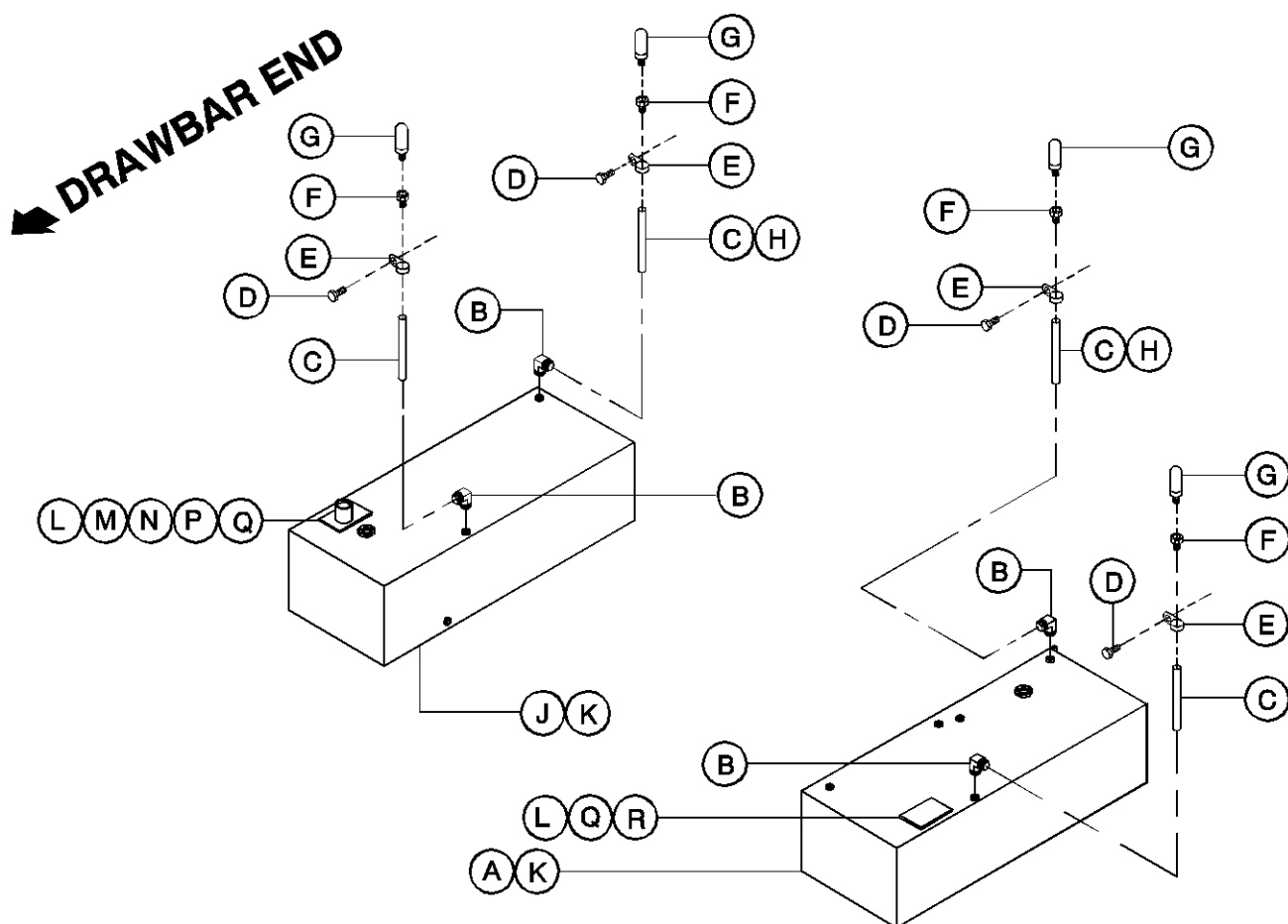
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54639976	Tube, Charge Air Inlet	1	
B	22247407	Cooler, Charge Air	1	
C	54444427	Clamp	8	
D	22716906	Tube, Charge Air Upper	1	
E	54422522	Hose, Ribbed	4	

Radiator Piping



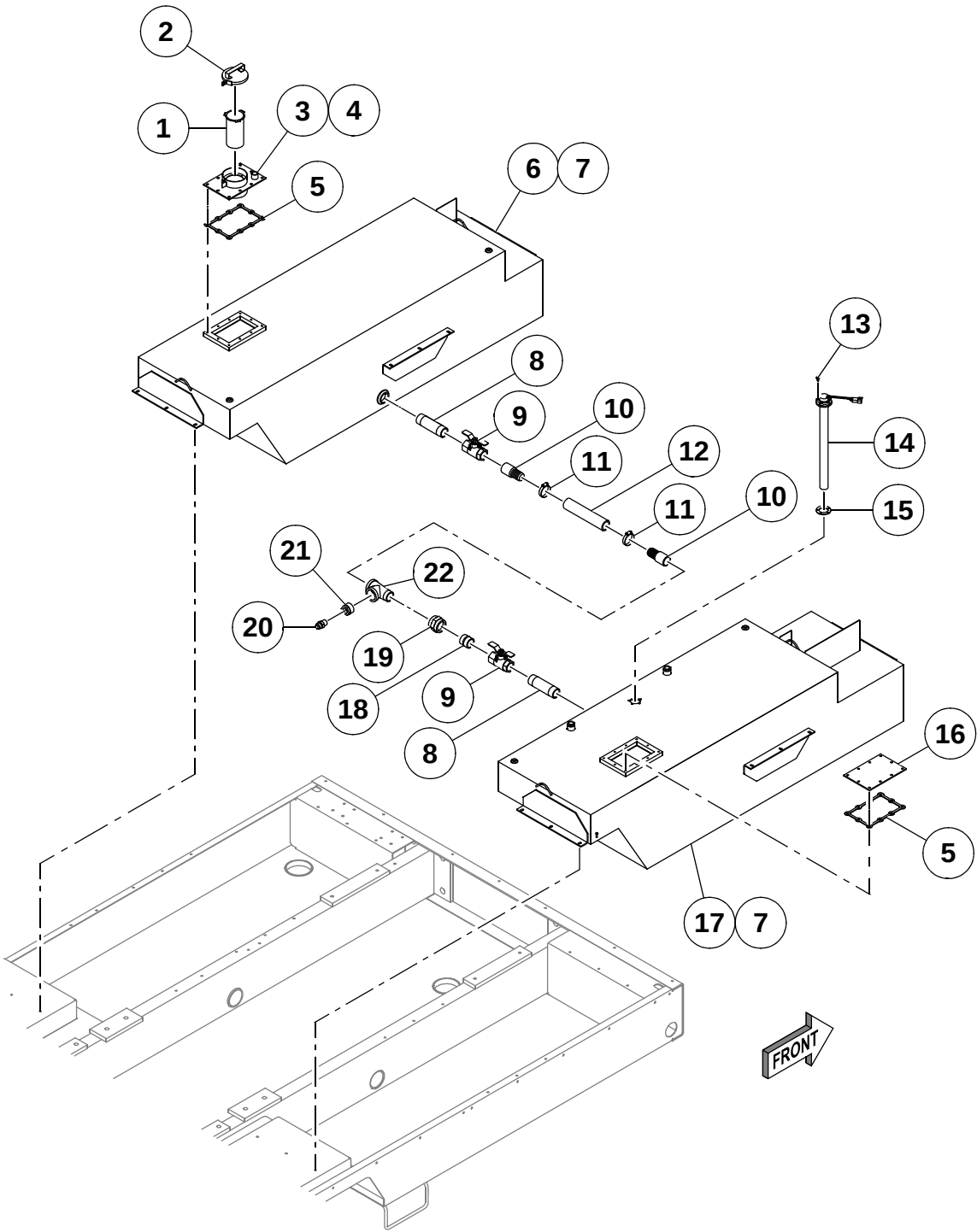
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54642350	Tube, Inlet Radiator	1	
B	95220844	Clamp	2	
C	54642343	Tube, Outlet Radiator	1	
D	23075302	Hose, Connector	4	
E	22078190	Cap, Radiator	1	
F	95235131	Clamp	2	
G	35135458	Hose, By-Pass (55 Inches)	1	
H	35310598	Fitting, Barbed	1	
J	43212216	Adapter	1	
K	35285600	Hose, Vent (52 Inches)	1	
L	95264776	Clamp	2	
M	35330703	Clamp	8	
N	35366651	Elbow	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	22524508	Bracket	1	
V	35253038	Clamp	2	
W	35360775	Tubing (50 Inches)	1	
X	22102339	Switch, Level	1	
Y	35316348	Adapter	1	

Tank Vent Piping



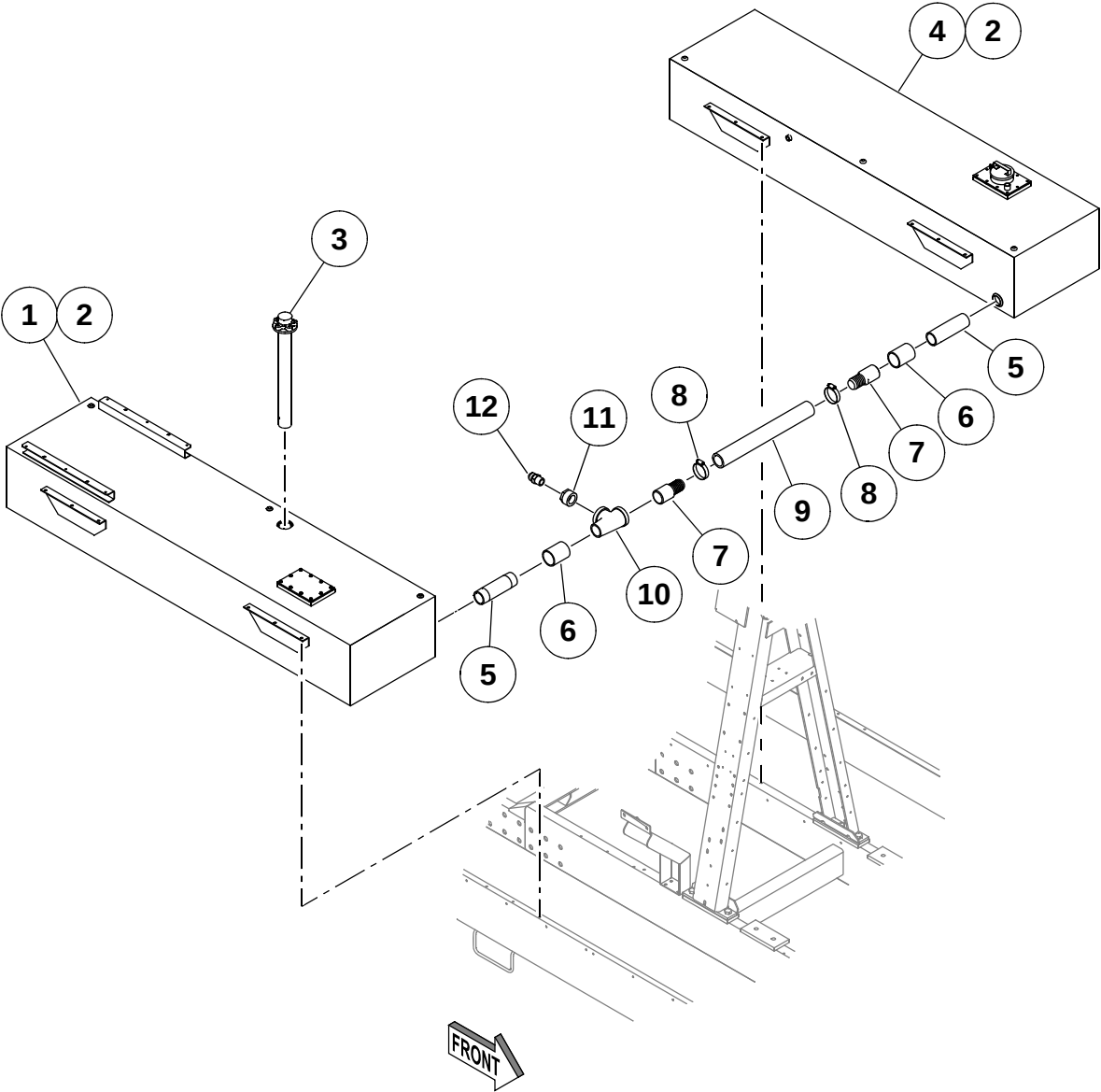
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46554913	Tank, Fuel, HSRG - RH	1	
	22699219	Tank, Fuel, STRG - RH	1	
B	46554914	Tank, Fuel, HSRG - LH	1	
	54594106	Tank, Fuel, STRG - LH	1	
C	35356484	Tubing, (18 Inches)	4	
D	92368687	Screw	4	
E	35253038	Clamp	4	
F	35369339	Reducer	1	
G	35322395	Silencer	1	
H	35369354	Elbow	1	

Fuel Tanks - HSRG



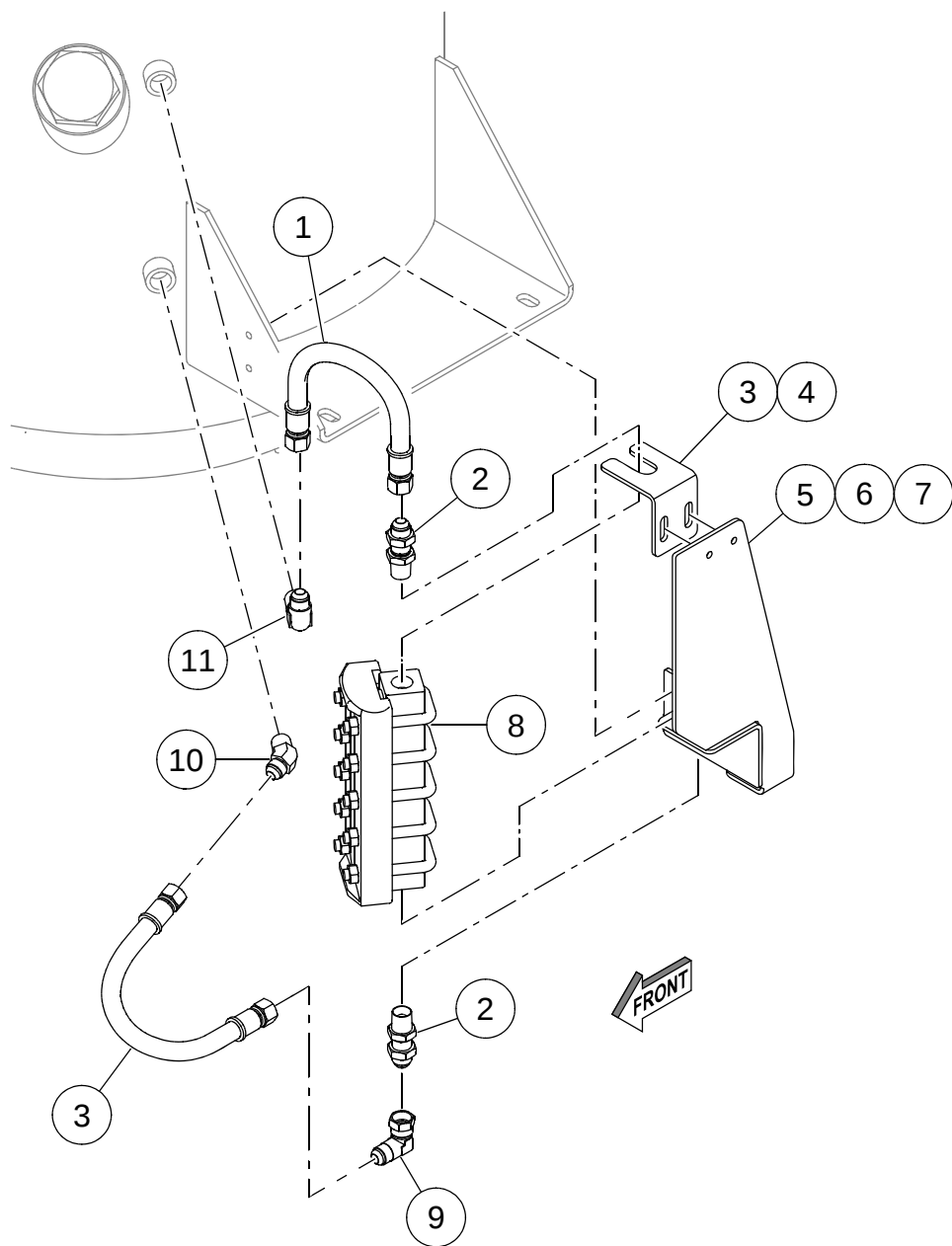
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36845022	Strainer, Fuel Tank	1	
2	36845014	Cap, Fuel Filler	1	
3	23148737	Cover, Fuel Fill	1	
4	35252451	Screw, Hex Flange 1/4" - 20 X 1"	20	
5	35389964	Gasket, Cover	2	
6	46554914	Tank, HSRG LH Fuel	1	
7	35279025	Screw, Tapping M08 - 1.25 X 20	24	
8	95953535	Nipple, Pipe Long 1-1/2" NPT X 6"	2	
9	36870780	Valve, Ball 1-1/2" NPT Tee Handle	2	
10	54762190	Fitting, Barbed 1-1/2" NPT X 2" Hose	2	
11	35221662	Clamp, Worm Gear 1-5/16" - 2-1/4"	2	
12	46645703	Hose, Fuel 1-1/2" ID X 16"	1	
13	36842102	Screw, Hex #10 - 32 X 1"	5	
14	46565979	Sensor, Fuel Level	1	
15	35361849	Gasket, Fuel Level Sender	1	
16	35111855	Cover, Fuel Tank Cleanout	1	
17	46554913	Tank, HSRG RH Fuel	1	
18	95487773	Nipple, Close 1-1/2" NPT X 1-3/4"	1	
19	95592283	Union, Female 1-1/2" NPT	1	
20	95219747	Connector, -12 JIC X 3/4" NPT	1	
21	95953873	Bushing	1	
22	95954285	Tee, Street, 1-1/2" NPT	1	

Fuel Tanks - STRG



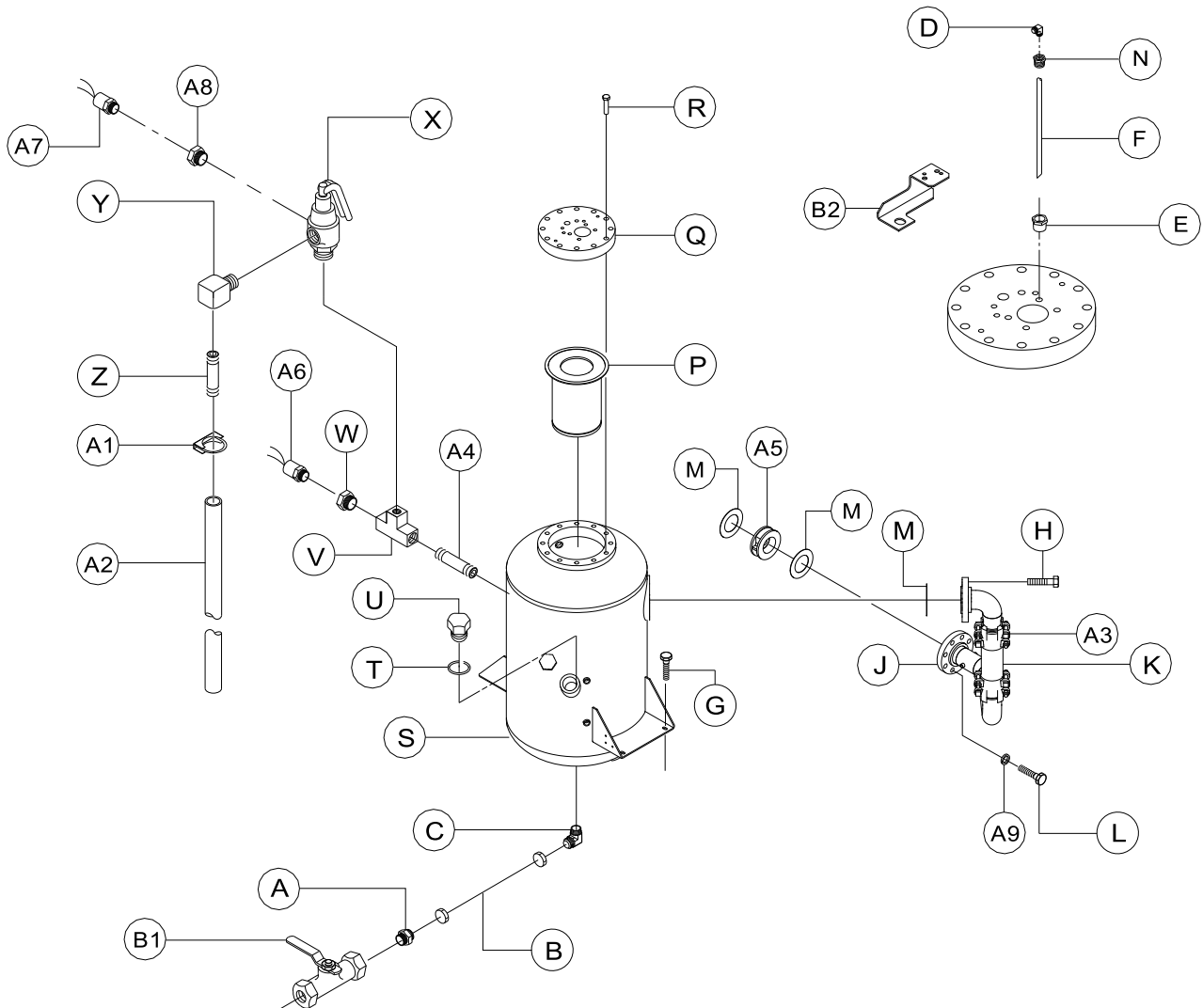
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22699219	Tank, Fuel STRG-RH	1	
2	35279025	Screw, Hex M08 - 1-1/4" X 2 0	24	
3	54672811	Sender, Fuel level 13-1/2"	1	
4	54594106	Tank, Fuel STRG-LH	1	
5	95953535	Nipple, 1-1/2" NPT X 6"	2	
6	95937454	Coupling, 1-1/2" X 2-3/4"	2	
7	54762190	Fitting, Barbed 1-1/2" NPT X 2" Hose	2	
8	35221662	Clamp, Hose 1-5/16" - 2-1/4"	2	
9	23013493	Hose, Fuel 1-1/2" ID X 15-1/2"	1	
10	95954285	Tee, Straight 1-1/2" NPT	8	
11	95953873	Bushing, Reducing 1-1/2" X 3/4"	1	
12	95219747	Connector, -12 JIC X 3/4" NPT	1	

Separator Tank - Sight Glass



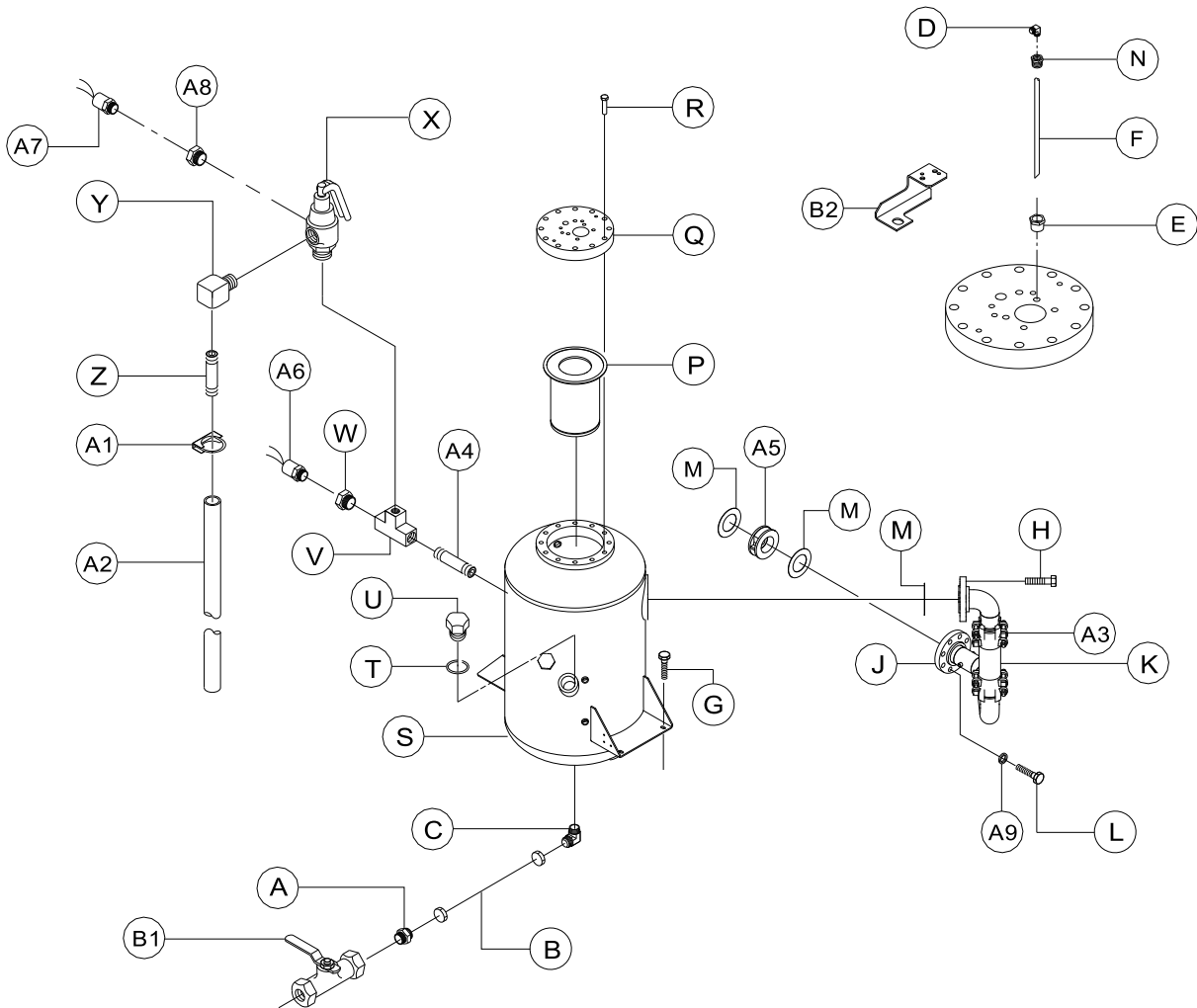
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46620082	Hose, -8 JIC X 381mm	2	
2	46620860	Connector, -8 JIC X 1/2" NPT Bulkhead	2	
3	46649981SA	Bracket, Top Sight Glass	1	
4	35279025	Screw, Tapping, M08 - 1.25 X 20	2	
5	46649240SA	Bracket, Sight Glass	1	
6	96741962	Screw, M08 - 1.25 X 25	3	
7	36881886	Nut, Flange M08 - 1.25	3	
8	46615739	Sight Glass Assembly	1	
9	46620880	Elbow, 90° -8 JIC X -8 JIC	1	
10	46619643	Elbow, 45° -8 JIC X 1/2" NPT	1	
11	46620859	Elbow, 90° 1/2" NPT X 1/2" Tube	1	

Separator Tank Assembly



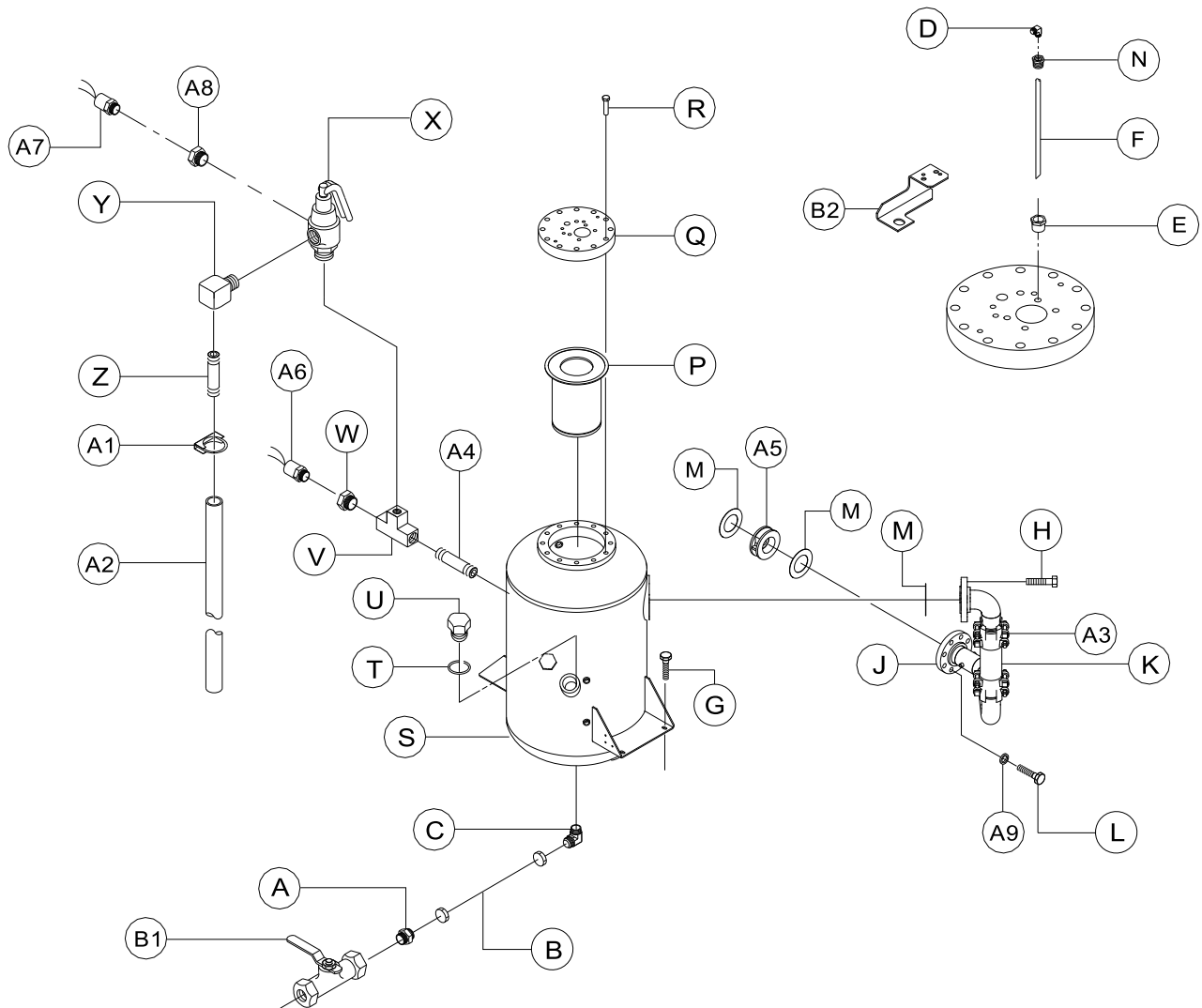
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95219747	Connector	1	<i>Continued.....</i>
B	36878254	Hose Assembly	1	
C	35294750	Elbow	1	
D	35283464	Elbow	1	
E	35329309	Fitting, Tube	1	
F	35593201	Tube, Scavenge	1	
G	36879492	Screw	4	
H	95934386	Screw	8	
J	46673925	Discharge Hose Assembly	1	
K	46570920	Discharge Hose	1	
L	96705504	Screw	8	
M	95225116	Gasket	3	
N	37081528	Orifice, 0.063"	1	
P	46555952	Element, Separator	1	
Q	54629159	Cover, Tank	1	
R	46623162	Screw	12	

Separator Tank Assembly



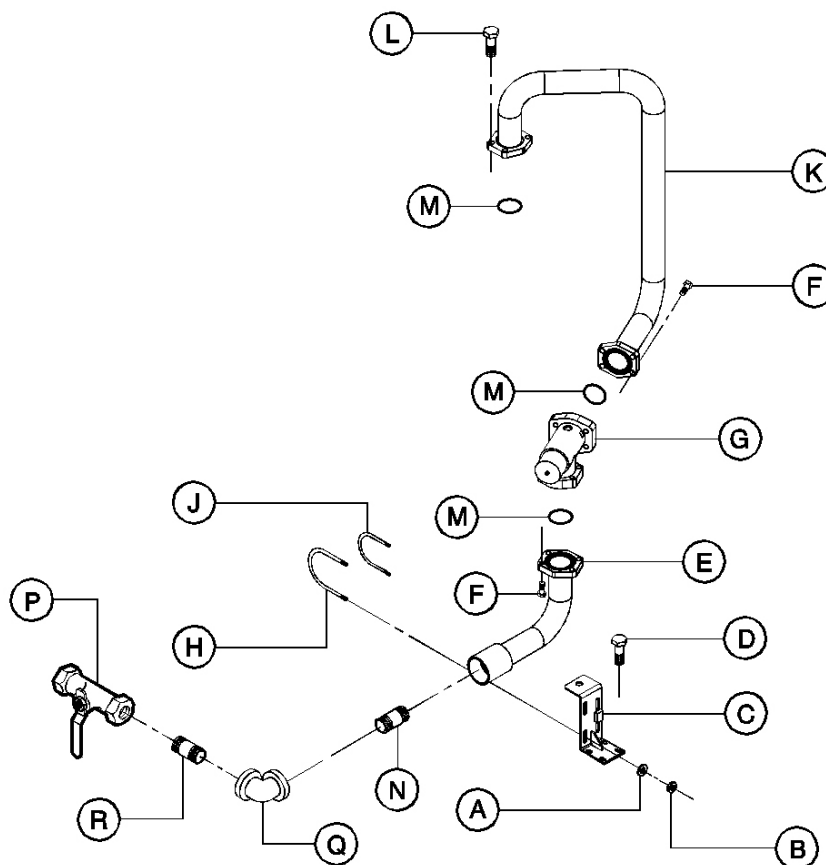
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	54629134	Tank, Separator	1	Continued
T	35277797	O-Ring	1	
U	35802933	Plug, Oil Fill	1	
V	95953410	Tee	1	
W	95953949	Adapter	1	
X	35596733	Valve, Safety	1	
Y	95944104	Elbow	1	
Z	36762821	Nipple	1	
A1	35261155	Clamp	1	
A2	54744156	Pipe, Safety Valve	1	
A3	36883585	Clamp	2	Continued.....
A4	95928040	Nipple	1	
A5	36843720	Valve, Check	1	
	35392281	Spring	1	
	35392299	Seat	1	
A6	23294820	Sensor, Temperature	1	
A7	36757581	Switch, Pressure	1	

Separator Tank Assembly



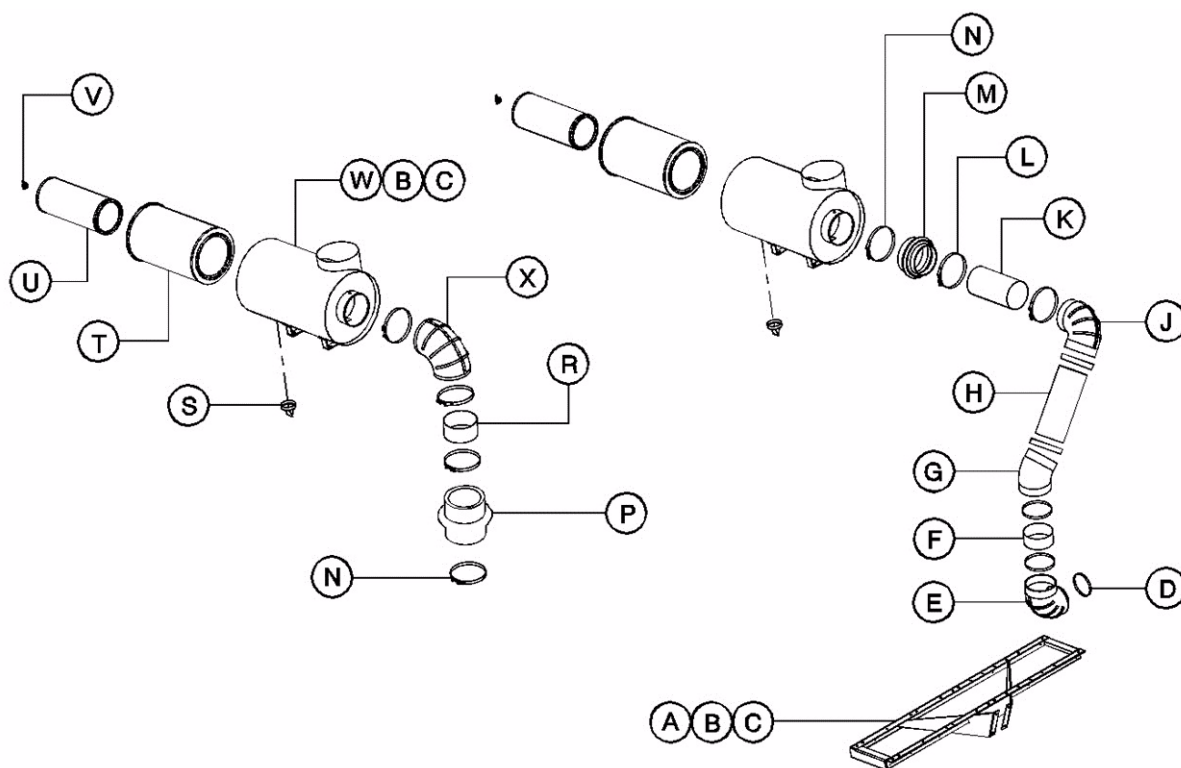
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A8	95930301	Bushing	1	Continued
A9	95935052	Washer	8	
B1	35576115	Valve, Ball	1	
B2	36842573	Bracket, Solenoid	1	

Separator Air Piping



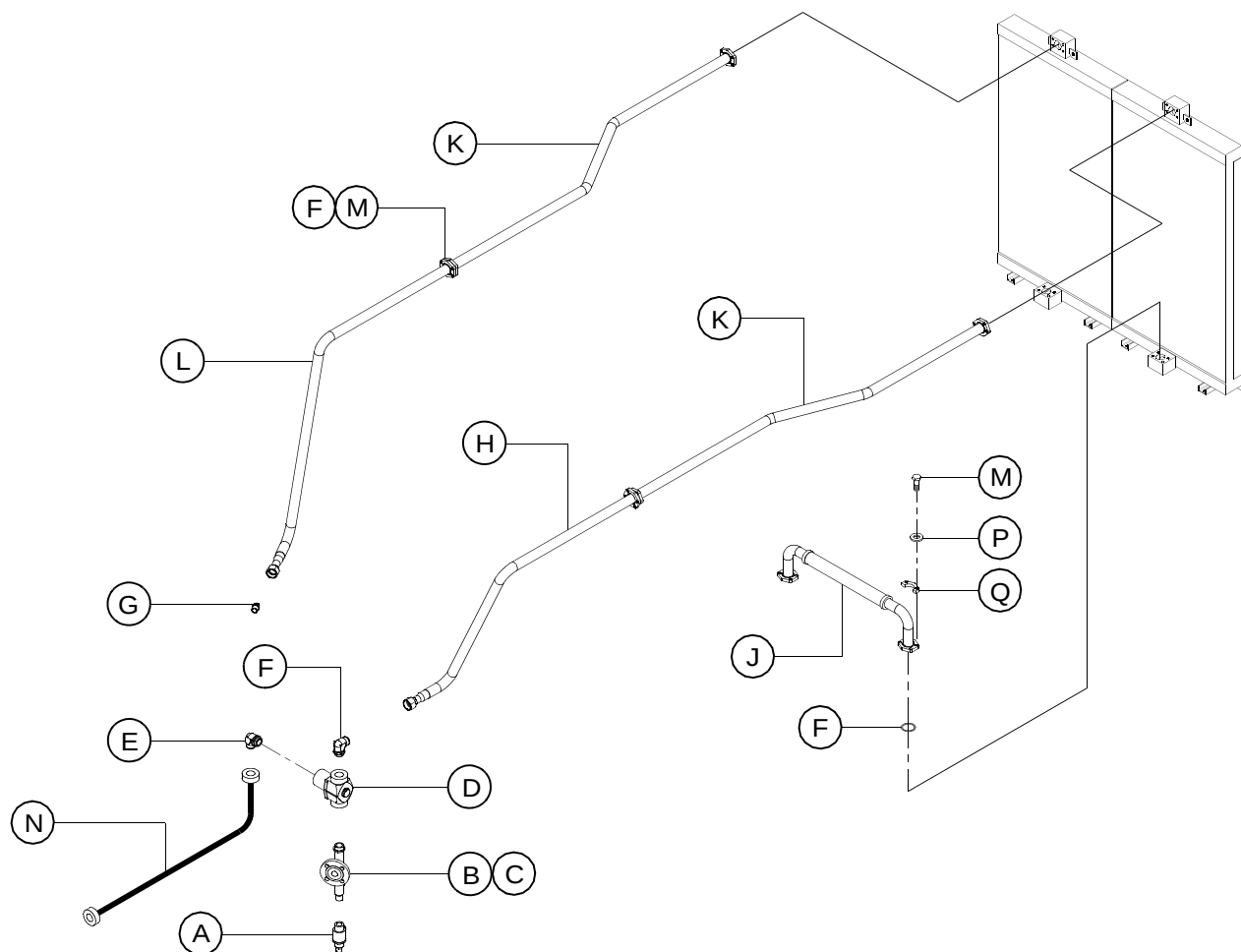
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95935003	Washer	4	
B	95922902	Nut	4	
C	54668314	Support, Pipe	1	
D	35130293	Screw	4	
E	36898120	Pipe, Service (MSA & No PED with IQ)	1	
	22205090	Pipe, Service (PED, No IQ & PED w/ IQ)	1	
F	95929089	Screw	8	
G	54687504	Valve, Min.Press. (MSA & No PED with IQ)	1	
	22207526	Valve, Min.Press. (PED, No IQ & PED w/ IQ)	1	
H	36799419	Clamp	1	
J	35586288	Clamp	1	
K	54703160	Pipe, Min. Press. (MSA)	1	
	22205124	Pipe, Min. Press. (PED, No IQ)	1	
L	95929089	Screw	4	
M	95358040	O-Ring	1	
N	95940946	Nipple	2	
P	36755718	Valve, Ball (MSA & No PED with IQ)	1	
	22225213	Valve, Ball (PED, No IQ & PED w/ IQ)	1	
Q	95916581	Elbow	1	
R	54393210	Nipple	1	

Air Intake and Filters



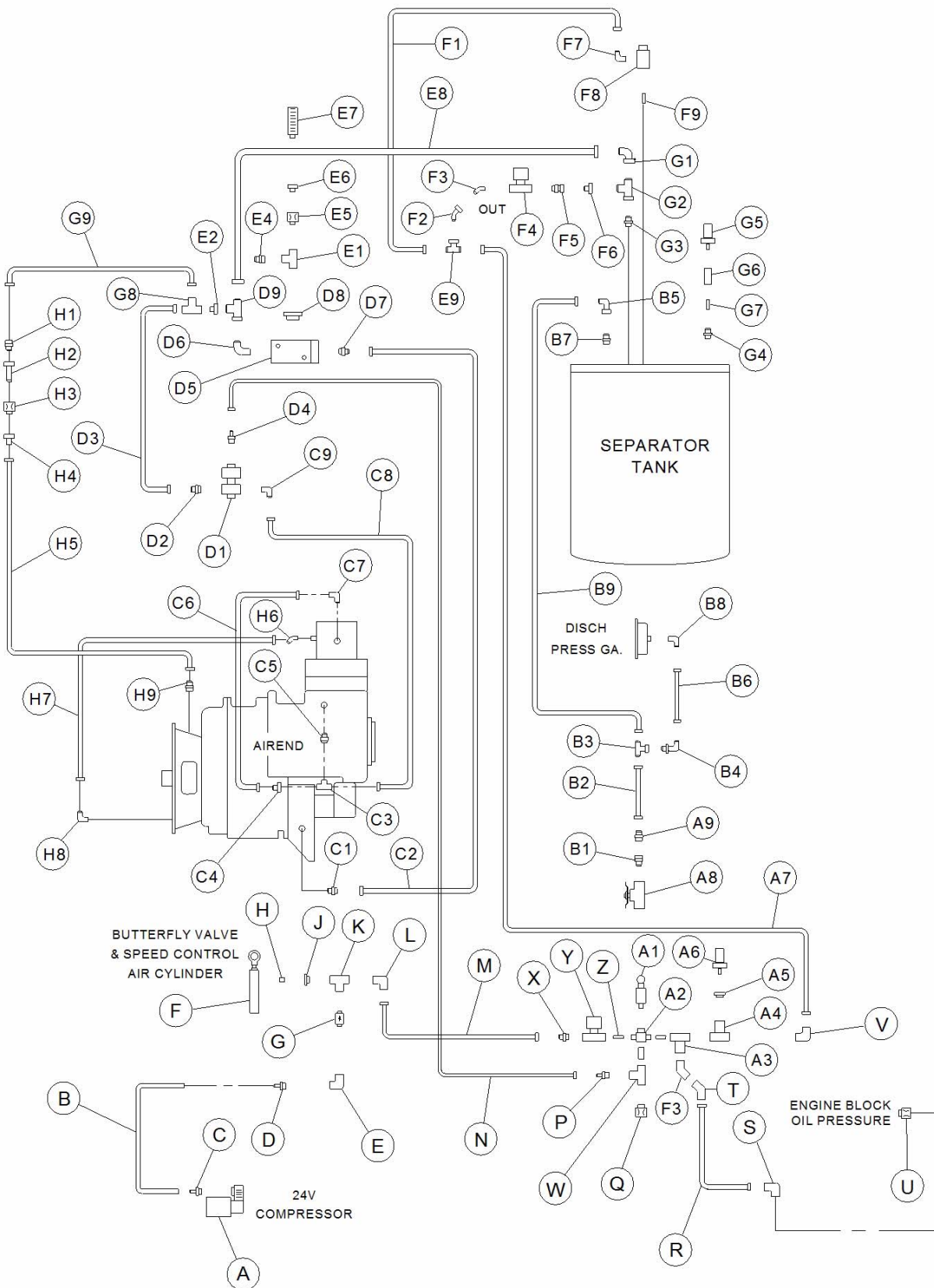
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36755163	Bracket, Air Cleaner	1	
B	36880995	Screw	12	
C	36879195	Nut	12	
D	35161025	Clamp	1	
E	35120211	Elbow, Rubber	1	
F	36505790	Tube	1	
G	35112630	Elbow, Rubber	1	
H	36794964	Tube	1	
J	35112630	Elbow, Rubber	1	
K	22163653	Tube	1	
L	35119858	Clamp	1	
M	35120260	Hose, Hump	1	
N	35129071	Clamp	5	
P	35141290	Hose, Hump	1	
Q	35583236	Elbow, Rubber	1	
R	35505866	Tube	1	
S	36867778	Evacuator	2	
T	36864361	Element, Primary	2	
U	36864379	Element, Safety	2	
V	35388982	Nut, Wing	4	
W	36864346	Air Cleaner Assembly	2	
	36847838	Switch, Air Filter	2	

Oil Piping



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36885887	Valve, 75 psi Relief	1	
B	36897155	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	54638382	Tube Assembly	1	
J	22468516	Tube Assembly	1	
K	54628177	Tube Assembly, Cooler to Bypass	1	
L	54638374	Tube Assembly	1	
M	95920708	Screw	8	
N	35130863	Hose Assembly	1	
P	95934733	Washer	8	
Q	35323492	Flange, Split	4	

Air Piping

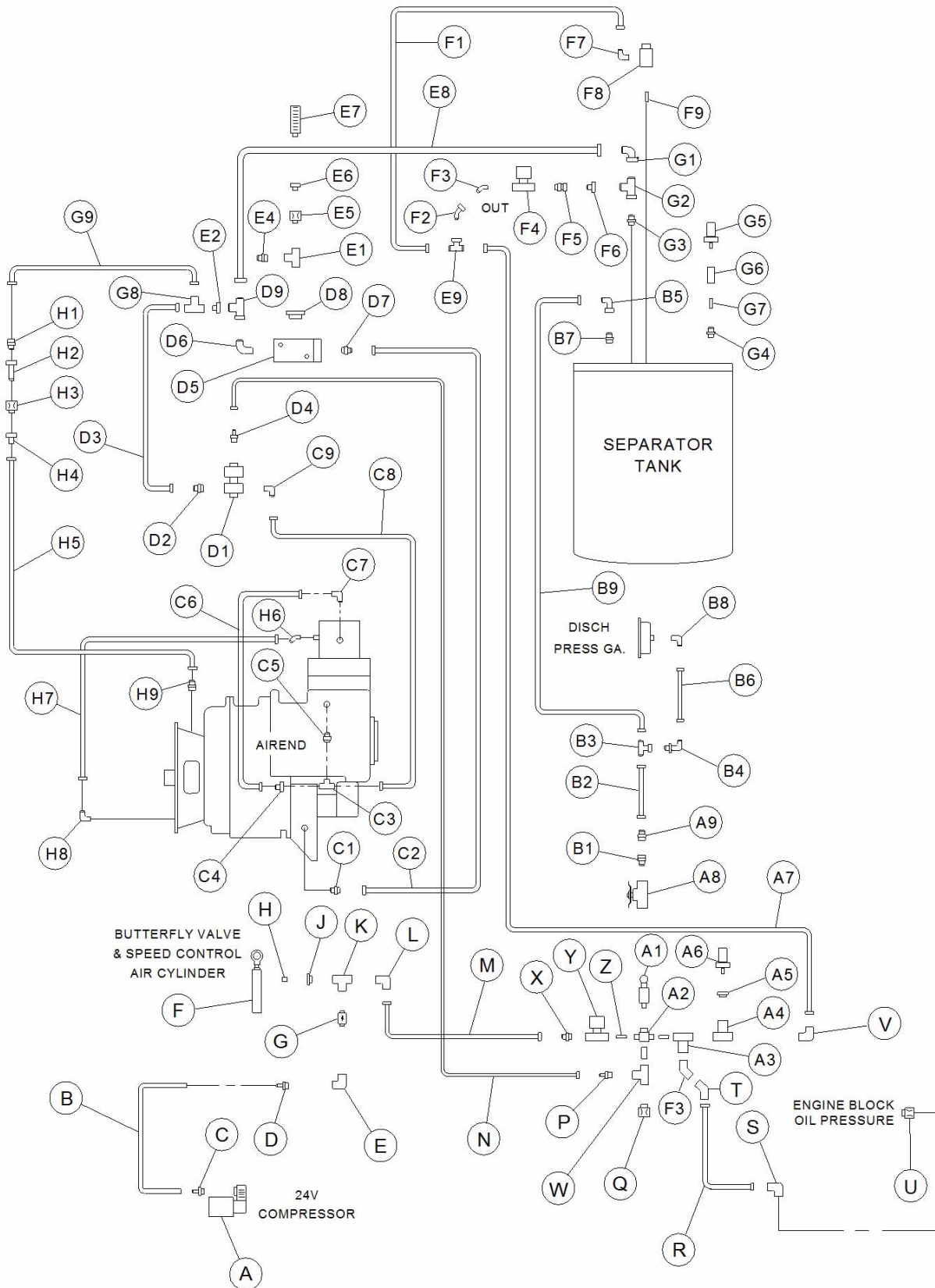


		Air Piping		
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Air Piping

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46576919	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	35322502	Hose Assembly	1	
N	35282920	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	35282961	Hose Assembly	1	
B7	35284082	Connector	1	
B8	35280098	Elbow	1	
B9	35284538	Hose Assembly	1	
C1	35296391	Connector	1	
C2	35322592	Hose Assembly	1	<i>Continued.....</i>

Air Piping

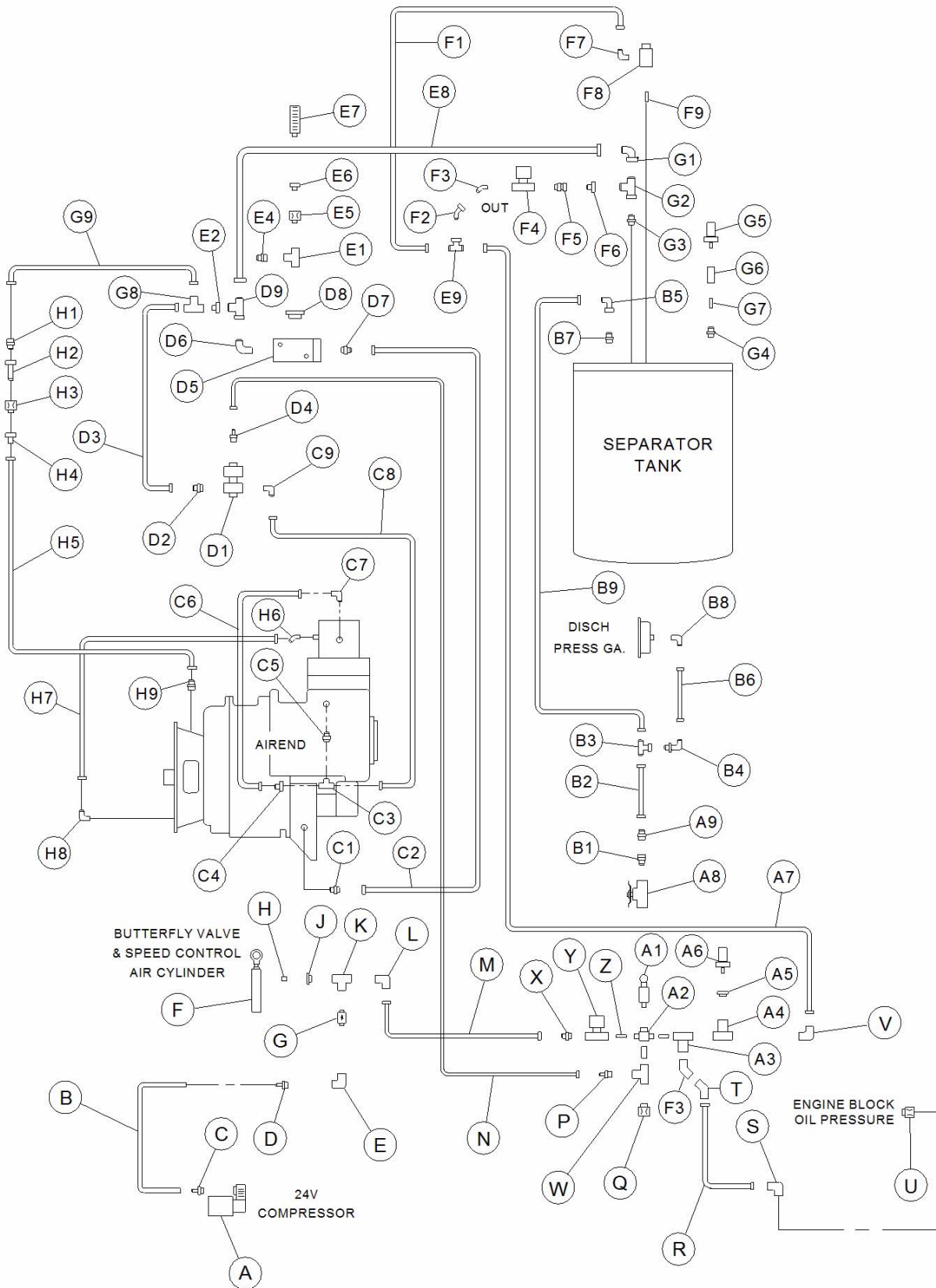


		Air Piping		
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Air Piping

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
C3	95642484	Tee	1	Continued
C4	35299734	Reducer	1	
C5	35287895	Connector	1	
C6	35284504	Hose Assembly	1	
C7	35283464	Elbow	1	
C8	35298512	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	35323815	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	
G8	35287929	Tee, -8 JIC X -8 JIC X -8 JIC Female	1	
G9	35307719	Hose, -8 JIC X 48"	1	
HI	35283134	Connector, -8 JIC X 1/4" NPT	1	
H2	39120563	Screen Scavenge	1	Continued.....

Air Piping

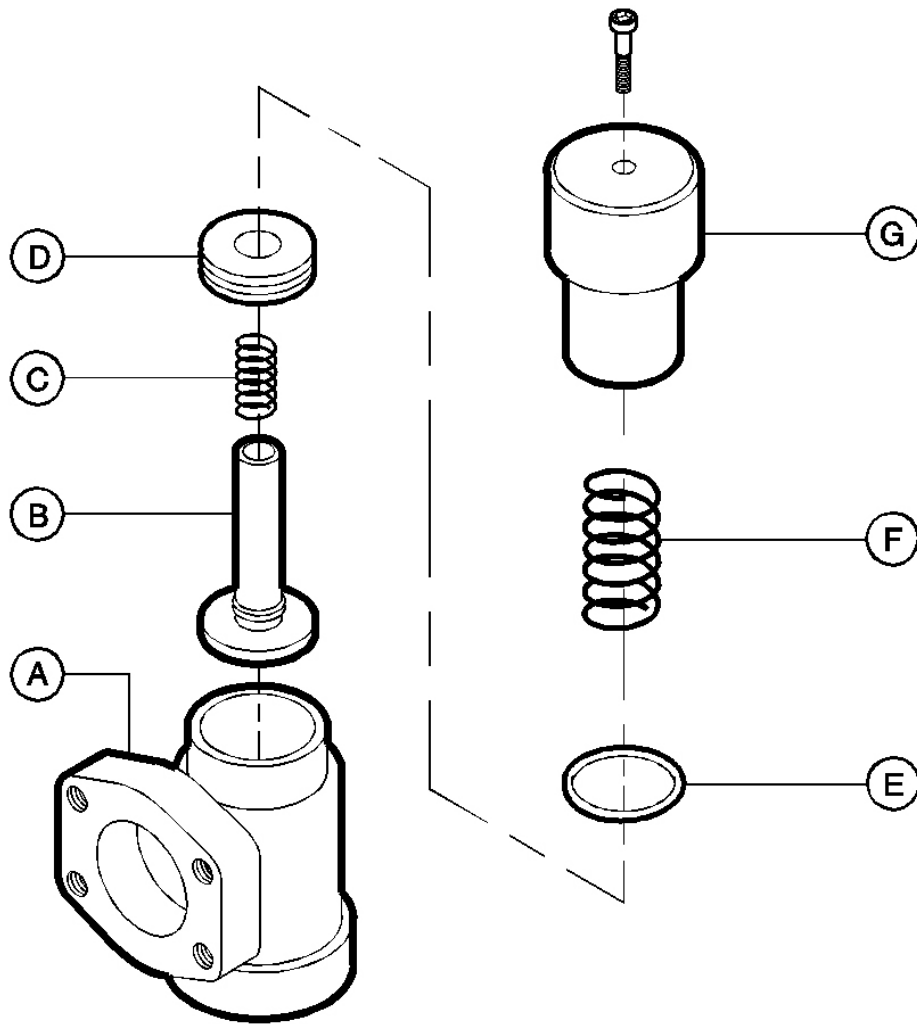


		Air Piping		
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Air Piping

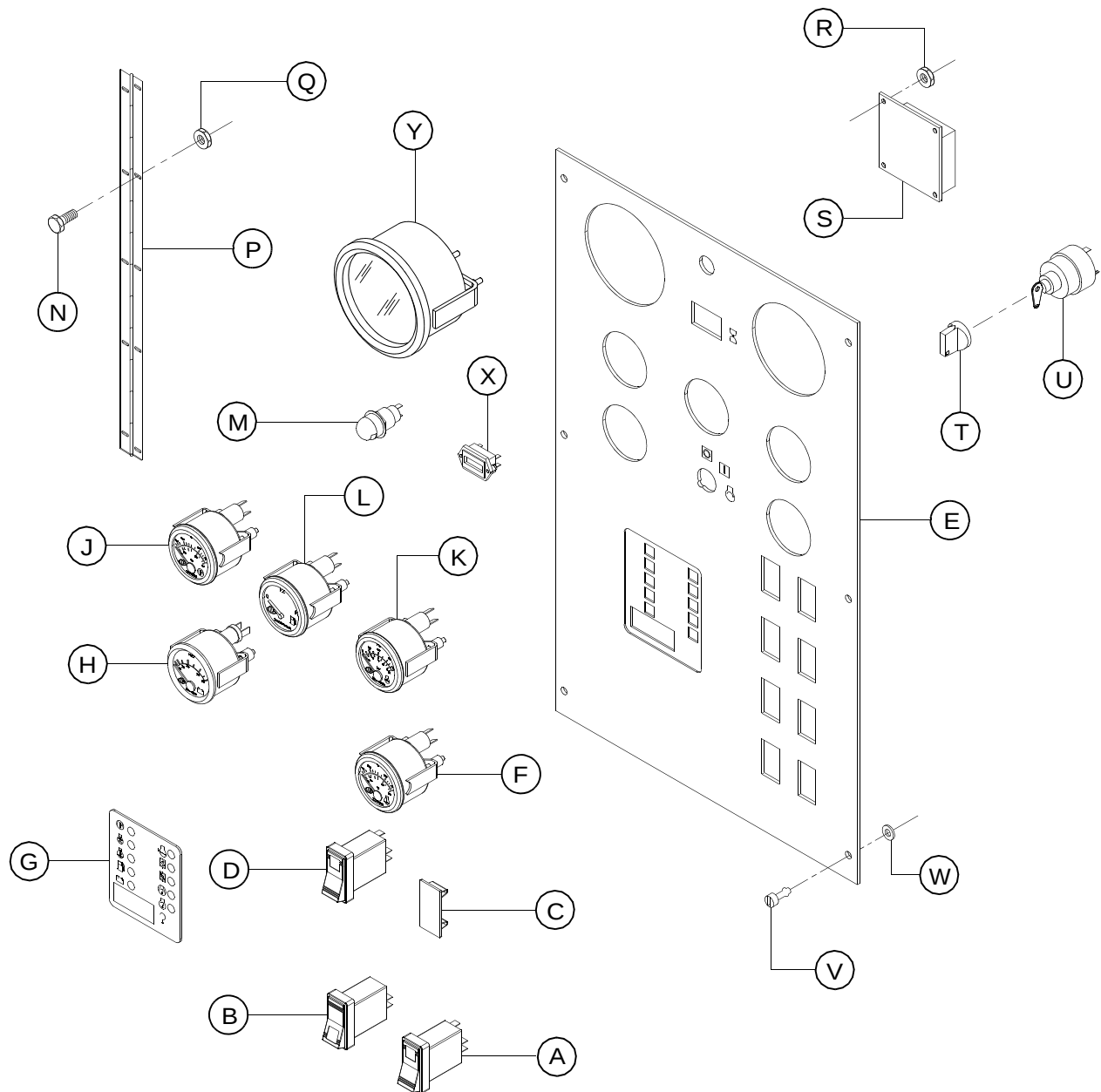
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
H3	39418769	Orifice, 0.0135" w / 1/4" NPT	1	Continued
H4	35294487	Connector, Female	1	
H5	35282912	Hose, -4 JIC X 27"	1	
H6	35321223	Elbow, 45°, 1/4" NPT X -4 JIC	1	
H7	35283480	Hose, -4 JIC X 48"	1	
H8	96952874	Elbow, 45°, -4 JIC X 9/16" - 18	1	
H9	95365094	Elbow, 90°, -4 JIC X 9/16" - 18	1	

Minimum Pressure Check Valve Assembly



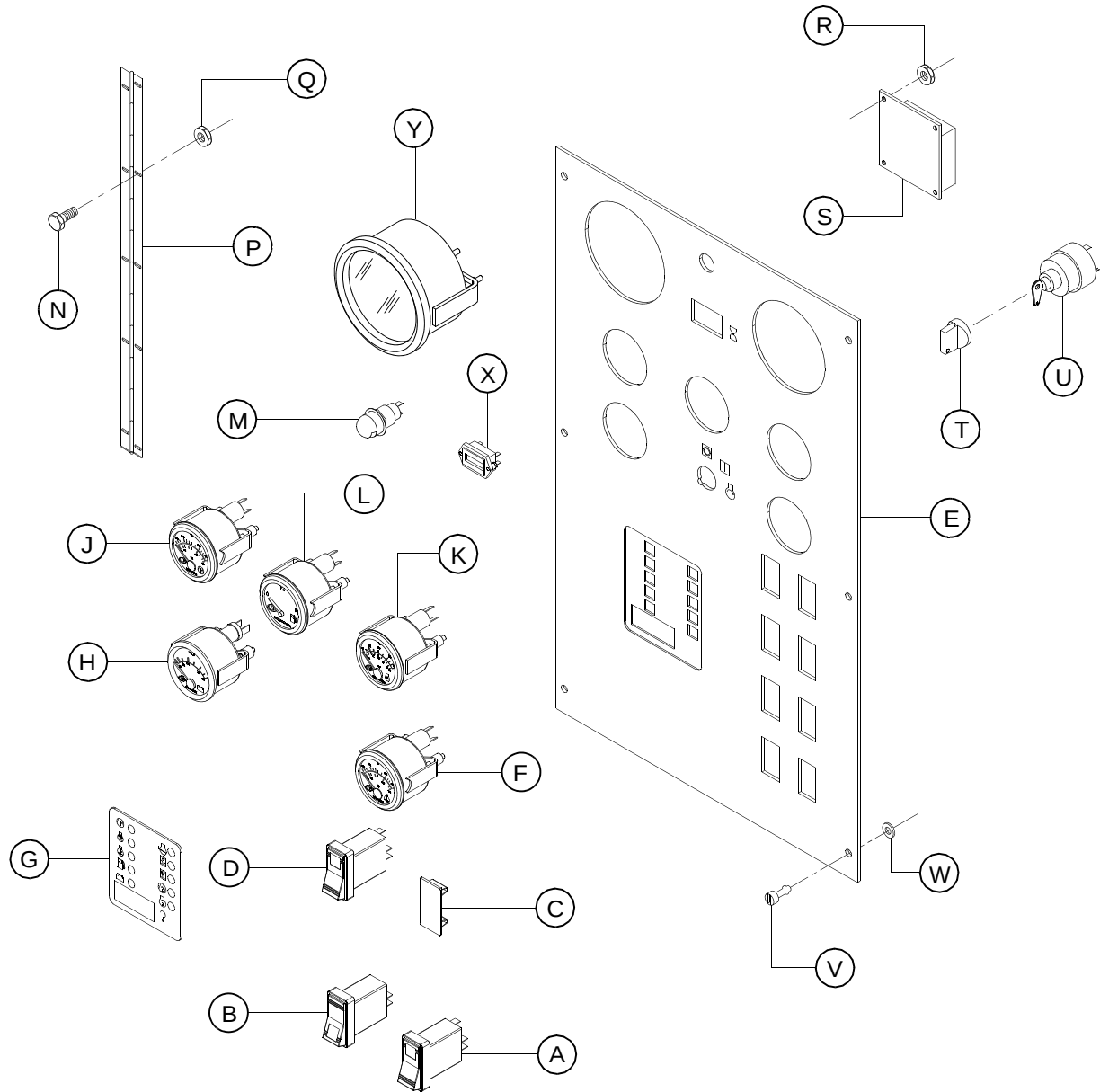
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54699731	Body, Check Valve	1	
B	36792307	Check Valve Assembly	1	
C	36792356	Spring, Check Valve	1	
D	36792315	Piston	1	
E	36792364	O-Ring	1	
F	36792349	Spring, Main	1	
G	54699780	Cap (MSA and No PED with IQ)	1	
	22208342	Cap (PED, No IQ & PED with IQ)		

Instrument Panel Assembly



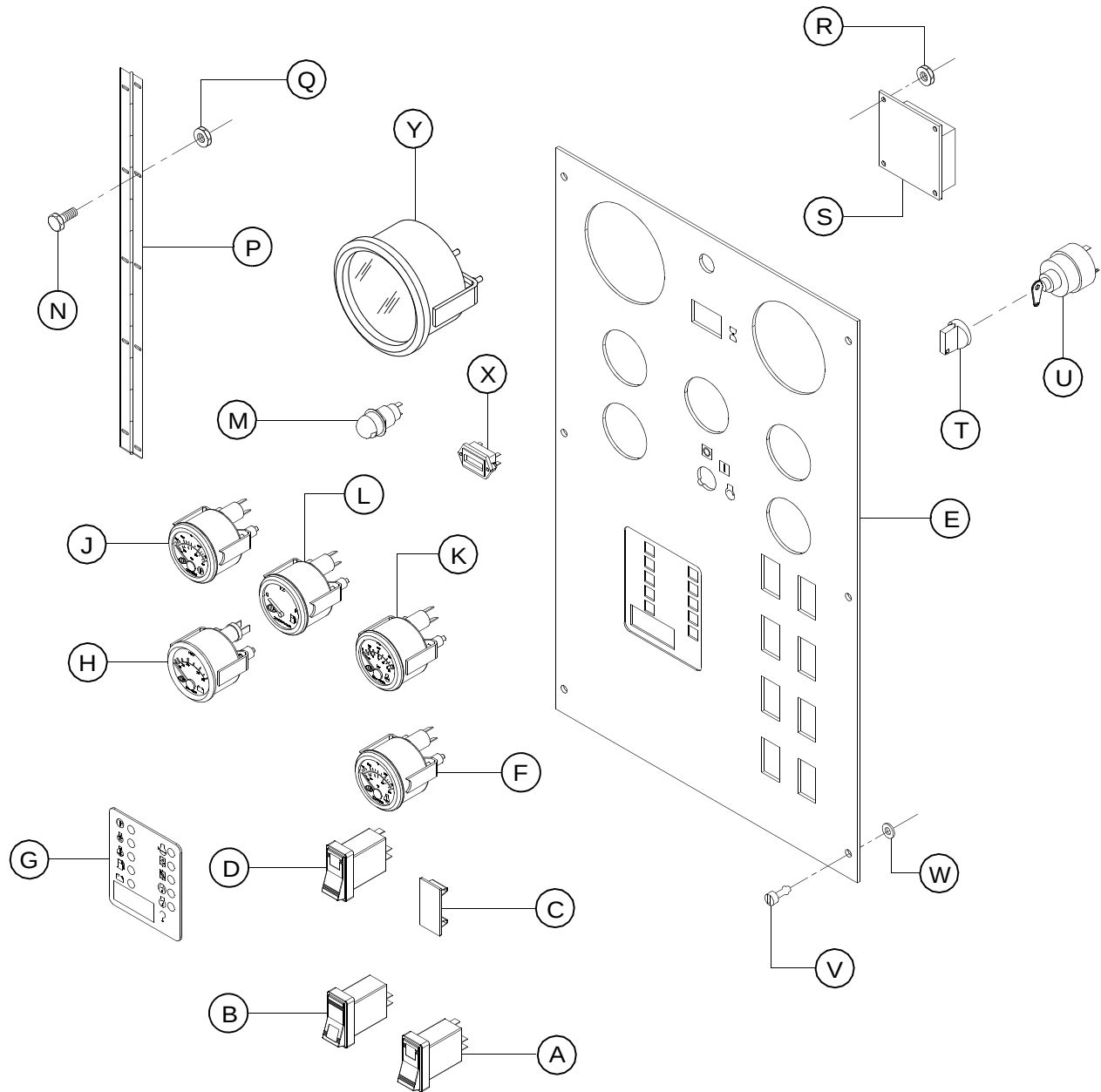
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22053896	Switch, Lamps	1	<i>Continued.....</i>
B	22054050	Switch, Heater	1	
C	22054142	Plug, Switch	4	
D	22054076	Switch, After Warm-Up	1	
E	22105571	Panel, Instrument	1	
F	22692628	Gauge, Engine Oil Pressure	1	
G	22055800	Overlay, Wedge Diagnostic	1	
H	22692594	Gauge, Voltage	1	
J	22692610	Gauge, Air Discharge Temperature	1	
K	22692610	Gauge, Water Temperature	1	

Instrument Panel Assembly



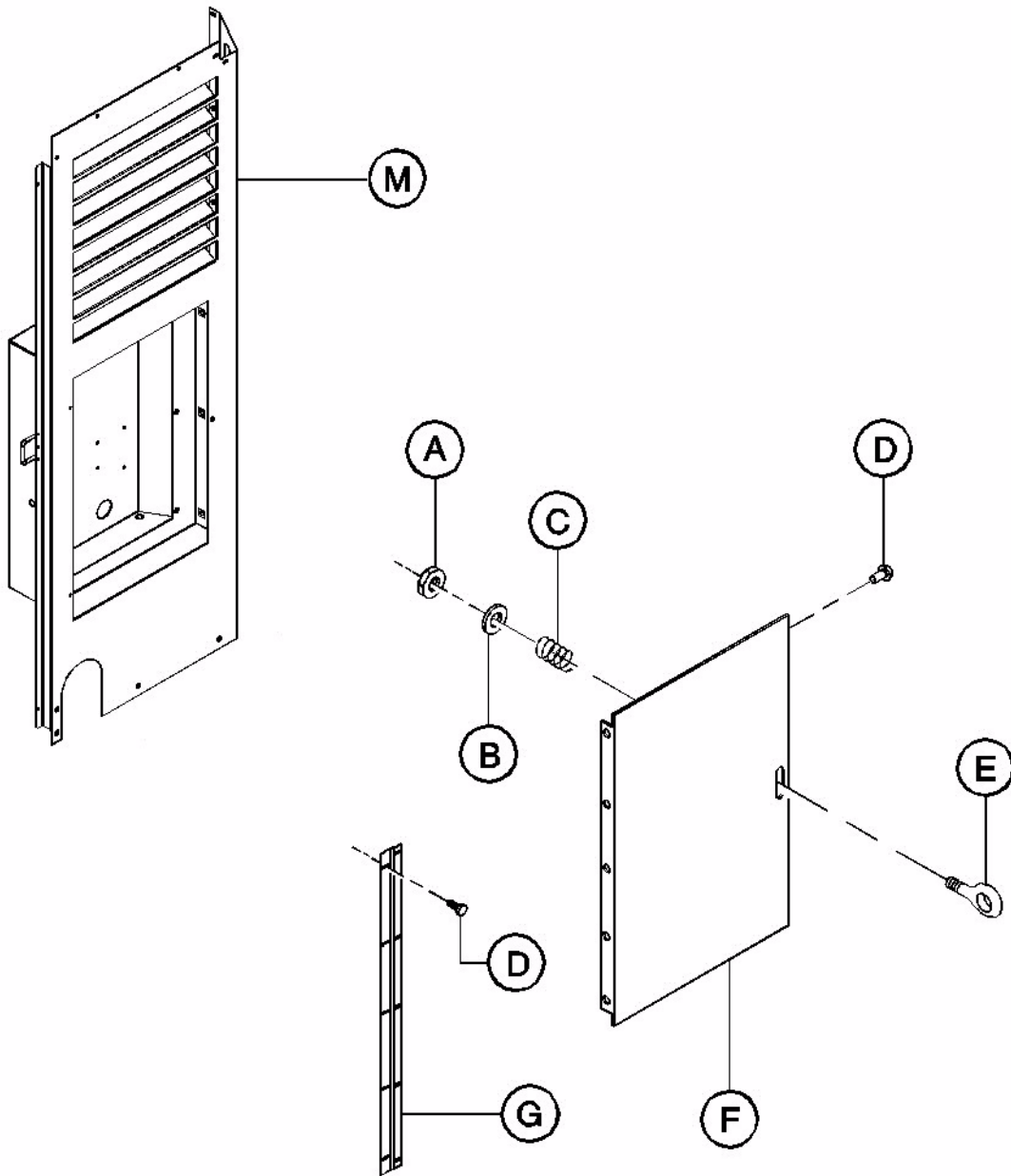
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22692602	Gauge, Fuel Level	1	Continued
M	36852622	Light, Instrument Panel	1	
N	36898096	Screw	3	
P	36840908	Hinge	1	
Q	36898104	Nut	3	
R	95928800	Nut	3	
S	46636279	Controller, Wedge	1	
T	22134118	Knob, Switch	1	
U	22127385	Switch, Starter	1	
V	35256429	Screw, Quarter Turn	3	
W	35256452	Receptacle	3	

Instrument Panel Assembly



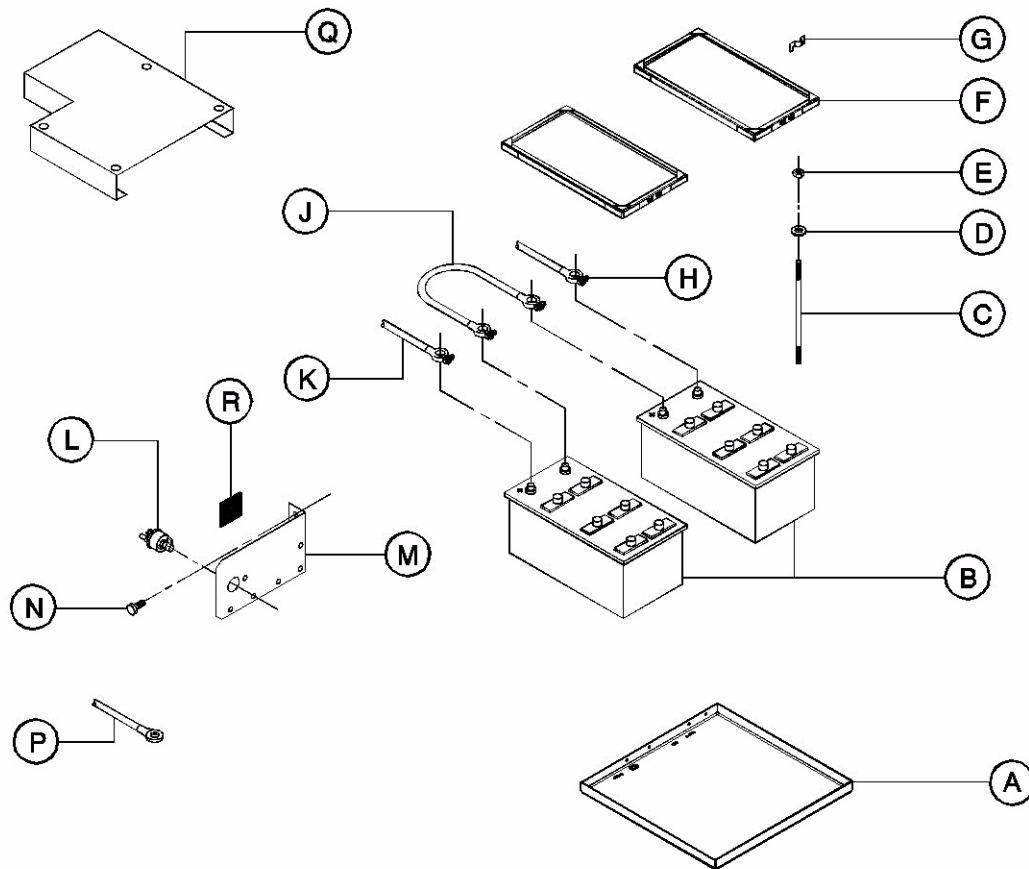
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
X	54766704	Hourmeter	1	Continued
Y	22055883	Tachometer	1	

Instrument Panel Assembly



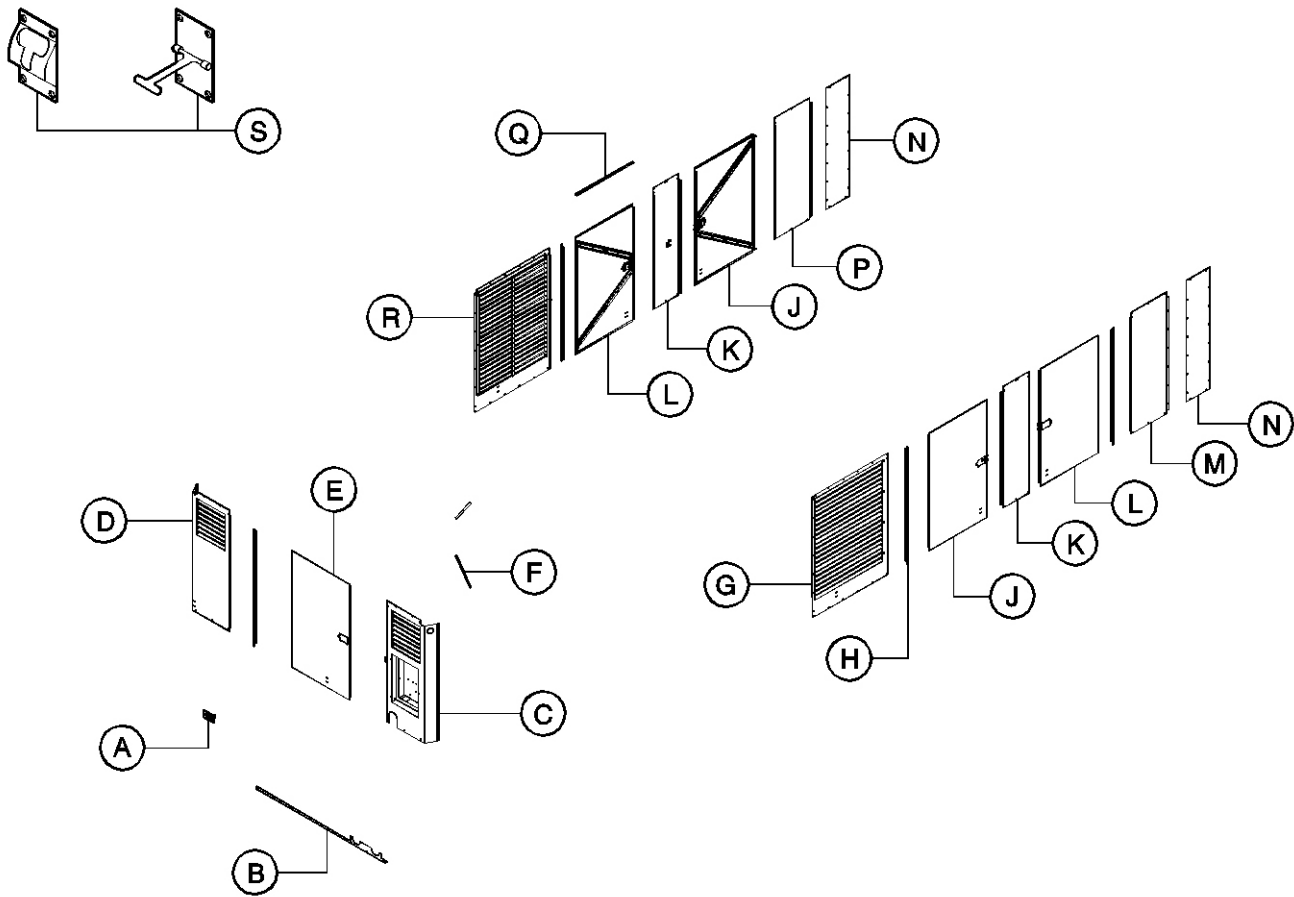
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95923314	Nut	2	
B	95934998	Washer	2	
C	35327311	Spring	2	
D	92368687	Screw	7	
E	35327303	Eyebolt	2	
F	22471882GA	Door, Instrument Panel	1	
G	36740405	Hinge	1	
H	22475560GA	Panel, Streetside, Front Vertical Corner	1	

Battery & Mounting



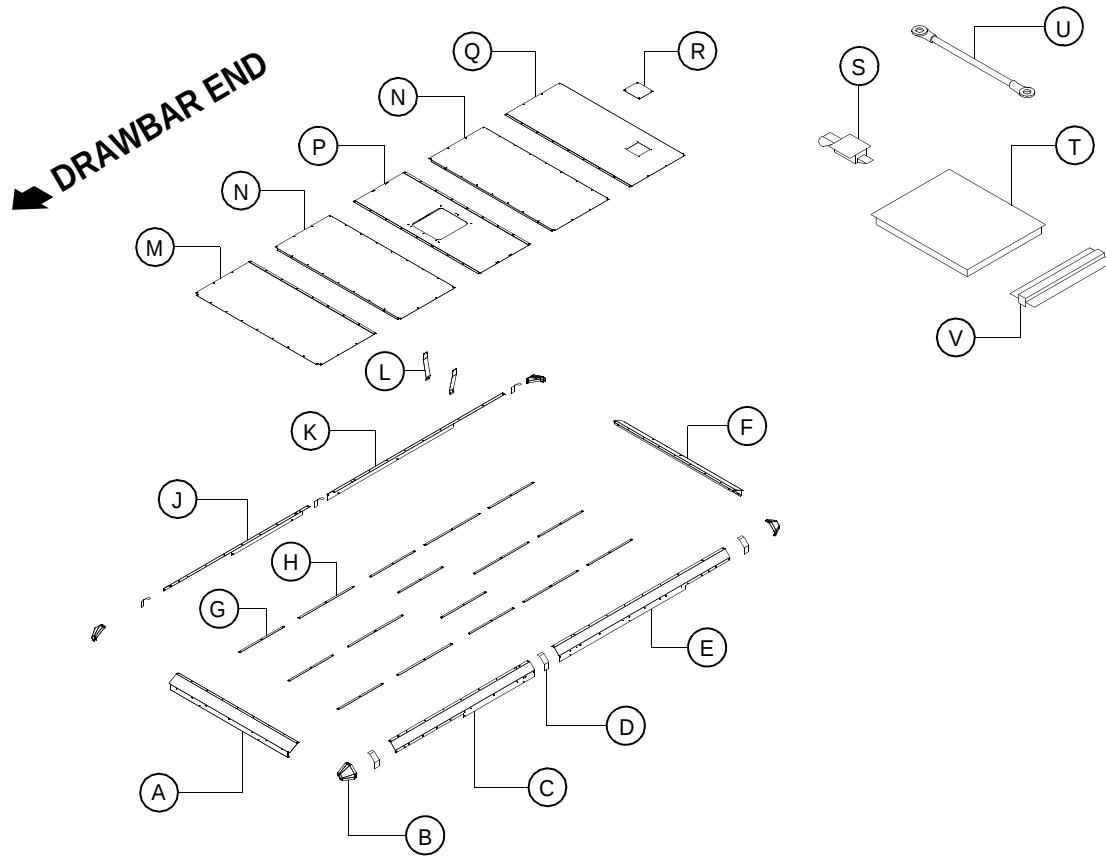
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36870350	Tray, Battery	1	
B	35225788	Battery	2	
C	54715479	Stud	4	
D	95935037	Washer	8	
E	95923322	Nut	8	
F	35562156	Frame	2	
G	35108216	Clip	4	
H	22319735	Cable, Negative	1	
J	35128982	Cable, Jumper	1	
K	54765375	Cable, Positive	1	
L	36896975	Switch, Battery Disconnect	1	
M	54737400	Bracket, Switch	1	
N	35279025	Screw	2	
P	23268105	Cable, Master Switch	1	
Q	54706825	Cover, Battery	1	
R	54642327	Decal, Battery Disconnect	1	
	36783488	Ground Strap From Starter	1	
	36783488	Ground Strap To RH of Engine	1	

Common Enclosure Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36793602	Latch, Door Slam	5	
B	54576871GA	Brace, Front Panel	1	
C	22475560GA	Panel, L.H. Front	1	
D	22055750GA	Panel, R.H. Front	1	
E	36863363GA	Door, Front	1	
F	54718184	Brace, Front	6	
G	54587944GA	Panel, Streetside Front	1	
H	36863413	Hinge	5	
J	36863660GA	Door, Side	1	
K	54587969GA	Panel, Center	1	
L	36863652GA	Door, Side	1	
M	54587977GA	Panel, L.H. Rear Side	1	
N	54663240GA	Panel, Rear Side	1	
P	54587985GA	Panel, R.H. Rear Side	1	
Q	36863371GA	Angle, Door Drip	6	
R	54587951GA	Grille, R.H. Front Side	1	
S	36849925	Latch, Door	5	

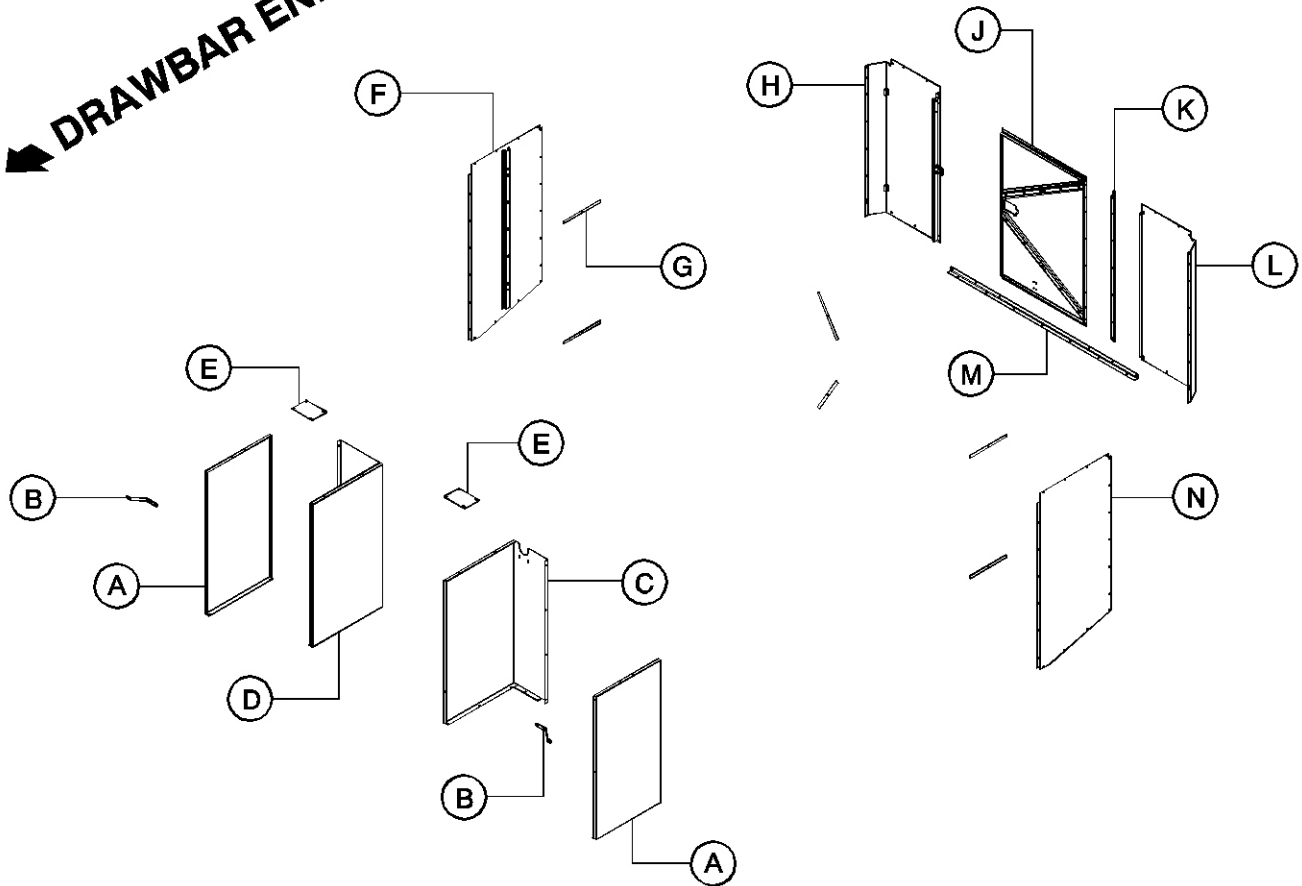
Top Enclosure Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54576970GA	Channel, Top Front	1	
B	54493101GA	Cap, End	4	
C	54690110GA	Channel, Roof, LH Front	1	
D	36755742GA	Strip, Connector	6	
E	54690128GA	Channel, Roof LH Rear	1	
F	54584784GA	Channel, Roof Rear	1	
G	54747316	Strap, Foam Retrainer	8	
H	54747324	Strap, Foam Retrainer	8	
J	54663224GA	Cap, RH	1	
K	54663232GA	Cap, RH	1	
L	54700091	Bracket, Roof Support	2	
M	54599915GA	Panel, Roof Front	1	
N	54599923GA	Panel, Roof Middle	2	
P	54599931GA	Panel, Roof Center	1	
Q	54599949GA	Panel, Roof Rear	1	
R	54690136GA	Cover, Radiator Fill	1	
S	35131051GA	Latch, Door	1	
T	36864403GA	Roof, Door	1	
U	36864304	Cable, Roof	1	
V	36864288	Hinge, Door	1	

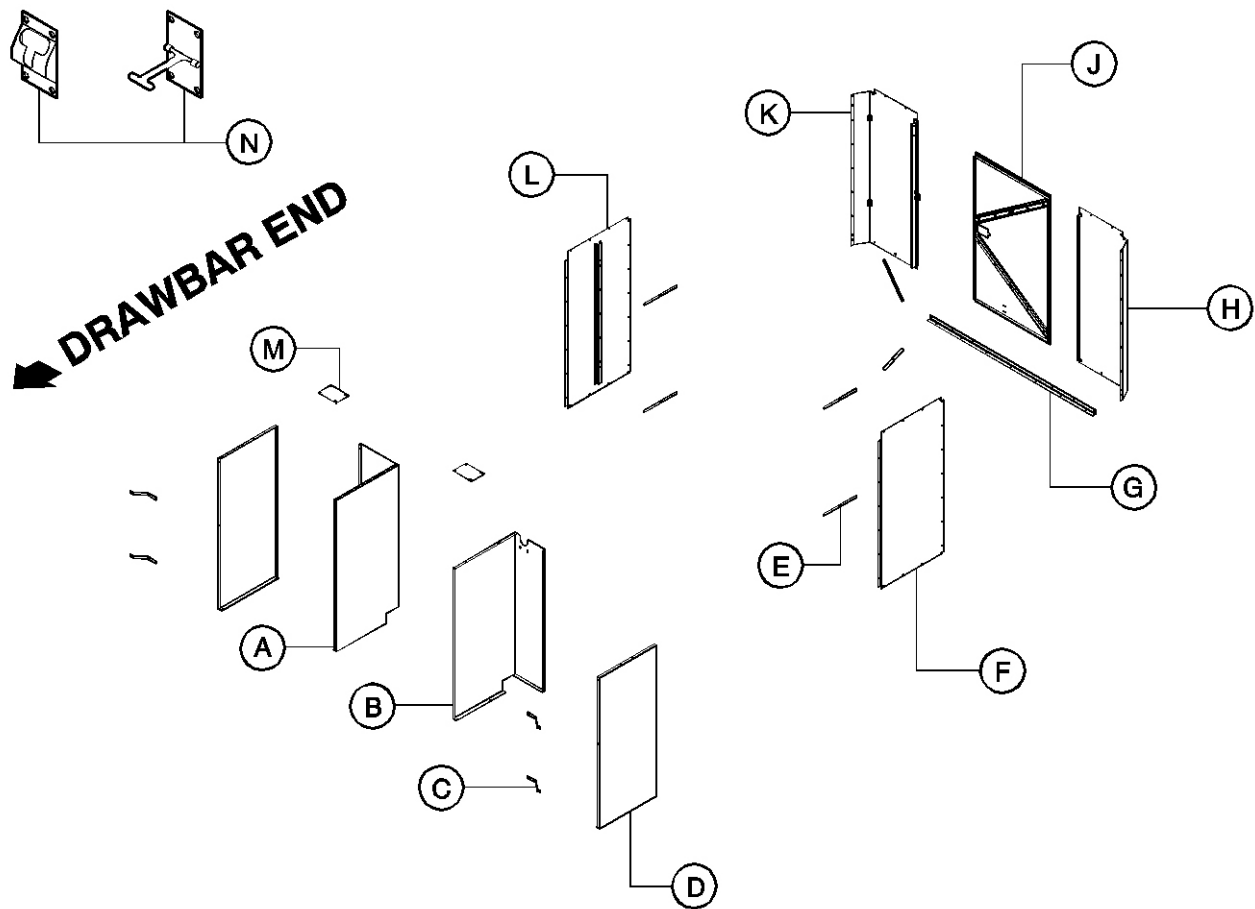
Fast Track Enclosure

← DRAWBAR END



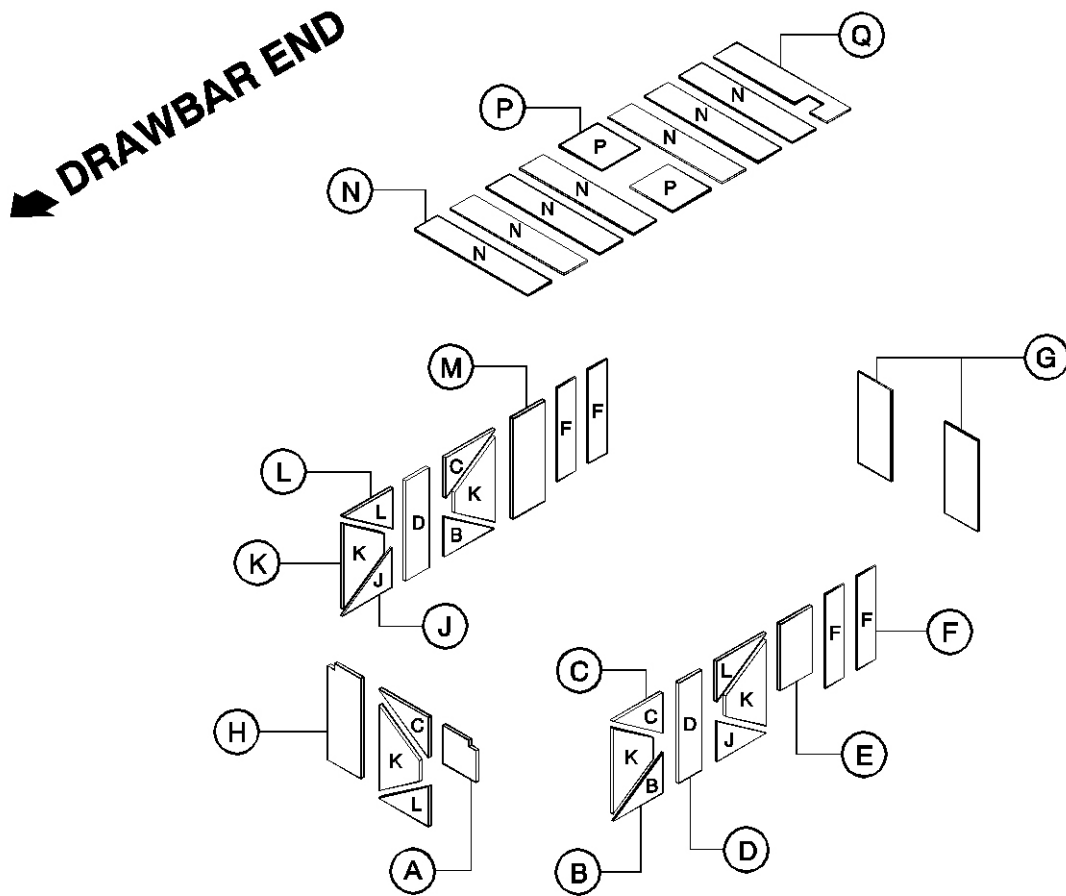
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54640982GB	Baffle, Splitter	2	
B	54641022GB	Support, Baffle	1	
C	54640966GB	Baffle, Streetside	1	
D	54640974GB	Baffle, Curbside	1	
E	54641006GB	Support, Baffle	1	
F	54672761GA	Panel, Curbside, Rear	1	
G	54718184	Strap, Foam Retention	6	
H	54663299GA	Panel, Corner, Curbside - Rear	1	
J	54672779GA	Door, Rear	1	
	36793602	Latch, Door Slam	1	
K	54692744	Hinge	1	
L	54663281GA	Panel, L.H. Rear Corner	1	
M	54576921GA	Angle, Mounting Rear	1	
N	54672753GA	Panel, Streetside, Rear	1	
Note: All Other Enclosure Parts Are Shown on Common Enclosure Drawing				

Wagon Wheel Enclosure



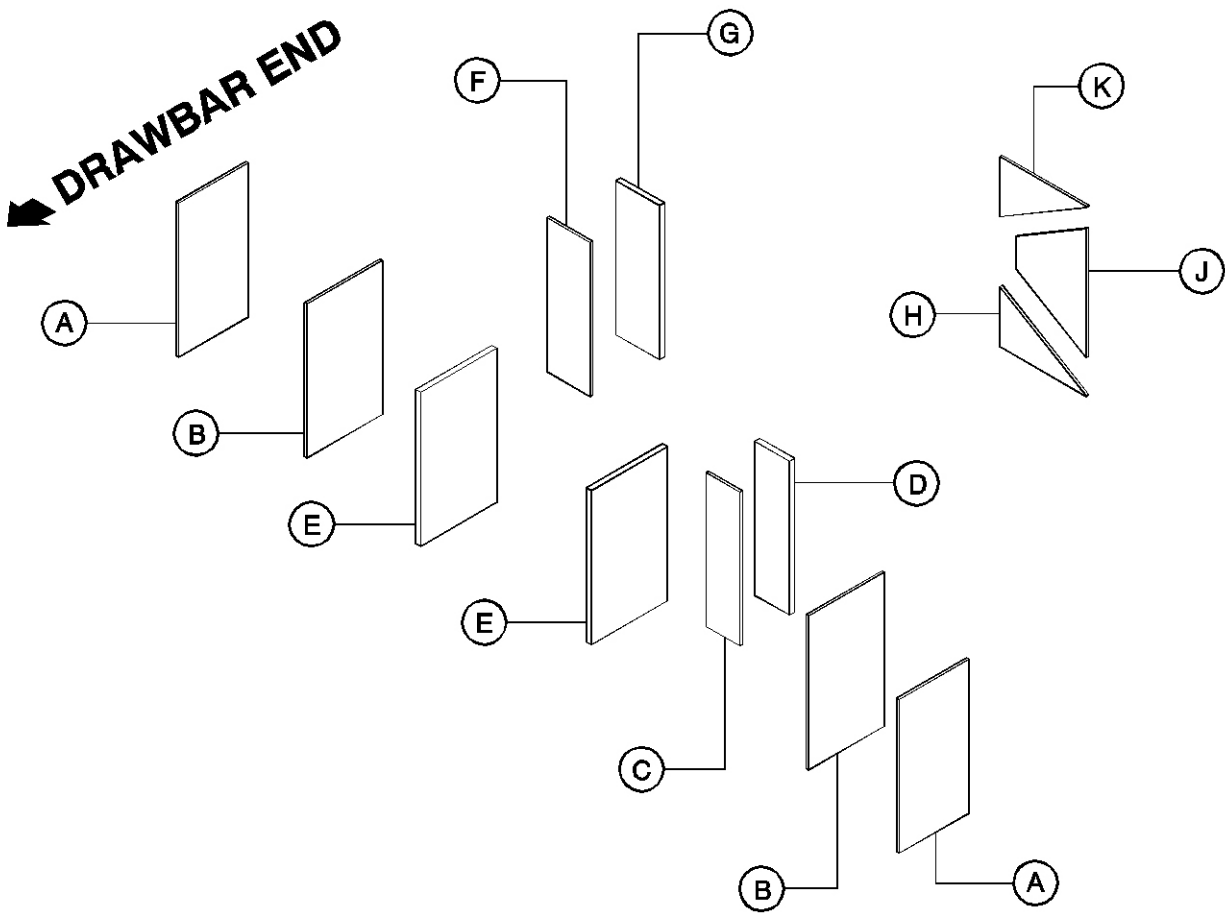
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54688239GB	Baffle, Curbside	1	
B	54688221GB	Baffle, Streetside	1	
C	54641022GB	Support, Baffle	4	
D	54688247GB	Baffle, Splitter	2	
E	54718184	Strap, Foam Retention	6	
F	54663265GA	Panel, Streetside Rear	1	
G	54576921GA	Angle, Rear Mounting	1	
H	54576954GA	Panel, L.H. Rear Corner	1	
J	36863363GA	Door, Rear	1	
	36793602	Latch, Slam	1	
	36863413	Hinge	1	
K	54576962GA	Panel, Corner, Curbside - Rear	1	
L	54663273GA	Panel, Curbside, Rear	1	
M	54641006GB	Support, Baffle	2	
N	36849925	Holder, Door	1	
Note: All Other Enclosure Parts Are Shown on Common Enclosure Drawing				

Common Acoustics



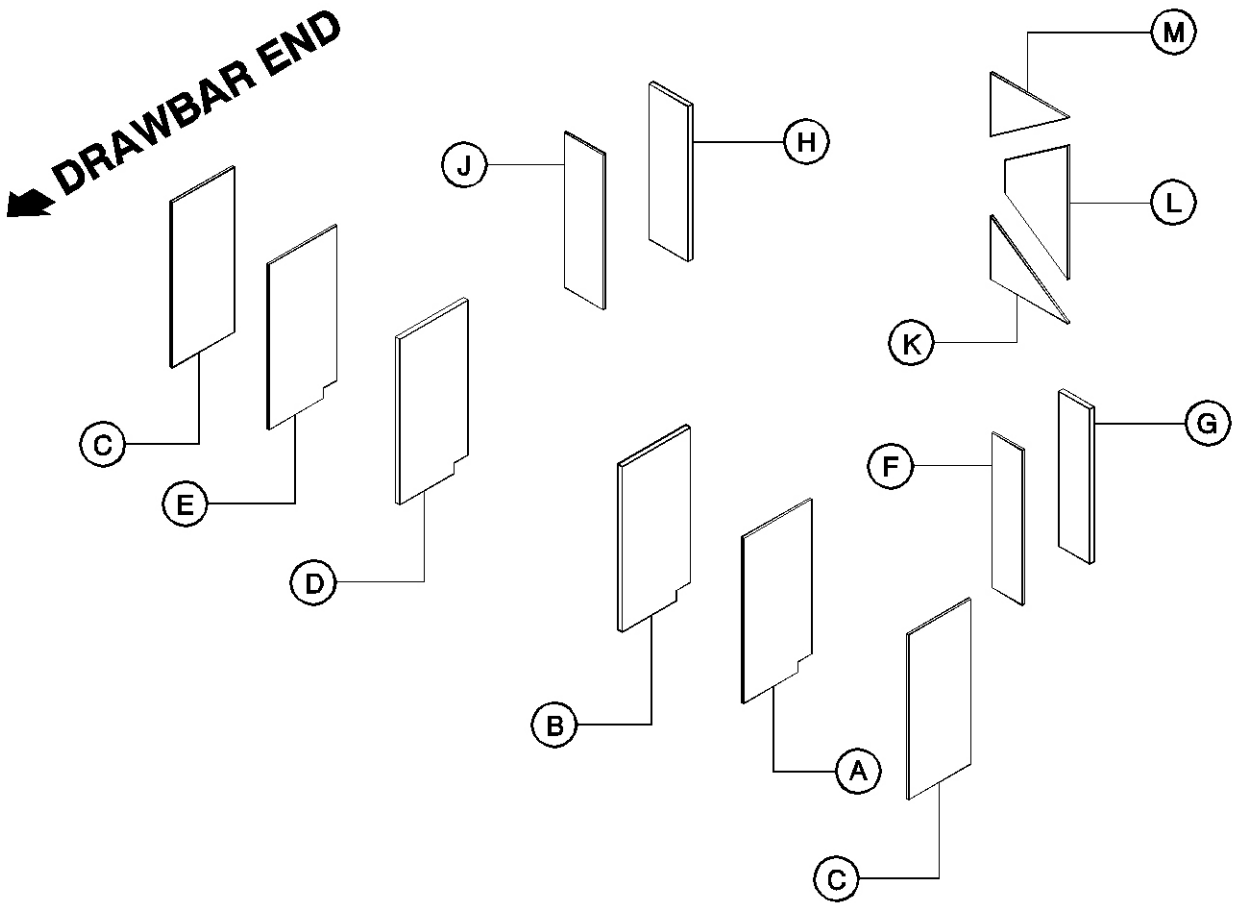
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54721204	Foam, L.H. Front Top	1	
B	54719703	Foam, Door	2	
C	54719711	Foam, Door	3	
D	54719646	Foam, Center Panel	2	
E	54719695	Foam, L.H. Side	1	
F	54759519	Fiberglass, R.H. / L.H. Rear Side	4	
G	54759527	Fiberglass, Rear	2	
H	22087514	Foam, R.H. Front	1	
J	54720065	Foam, Door	2	
K	54719661	Foam, Center Door	5	
L	54720057	Foam, Door	3	
M	54719653	Foam, R.H. Rear Side	1	
N	54699046	Foam, Top	7	
P	54699087	Foam, Center Top	2	
Q	54710041	Foam, Rear Top	1	

High Speed Running Gear Acoustics



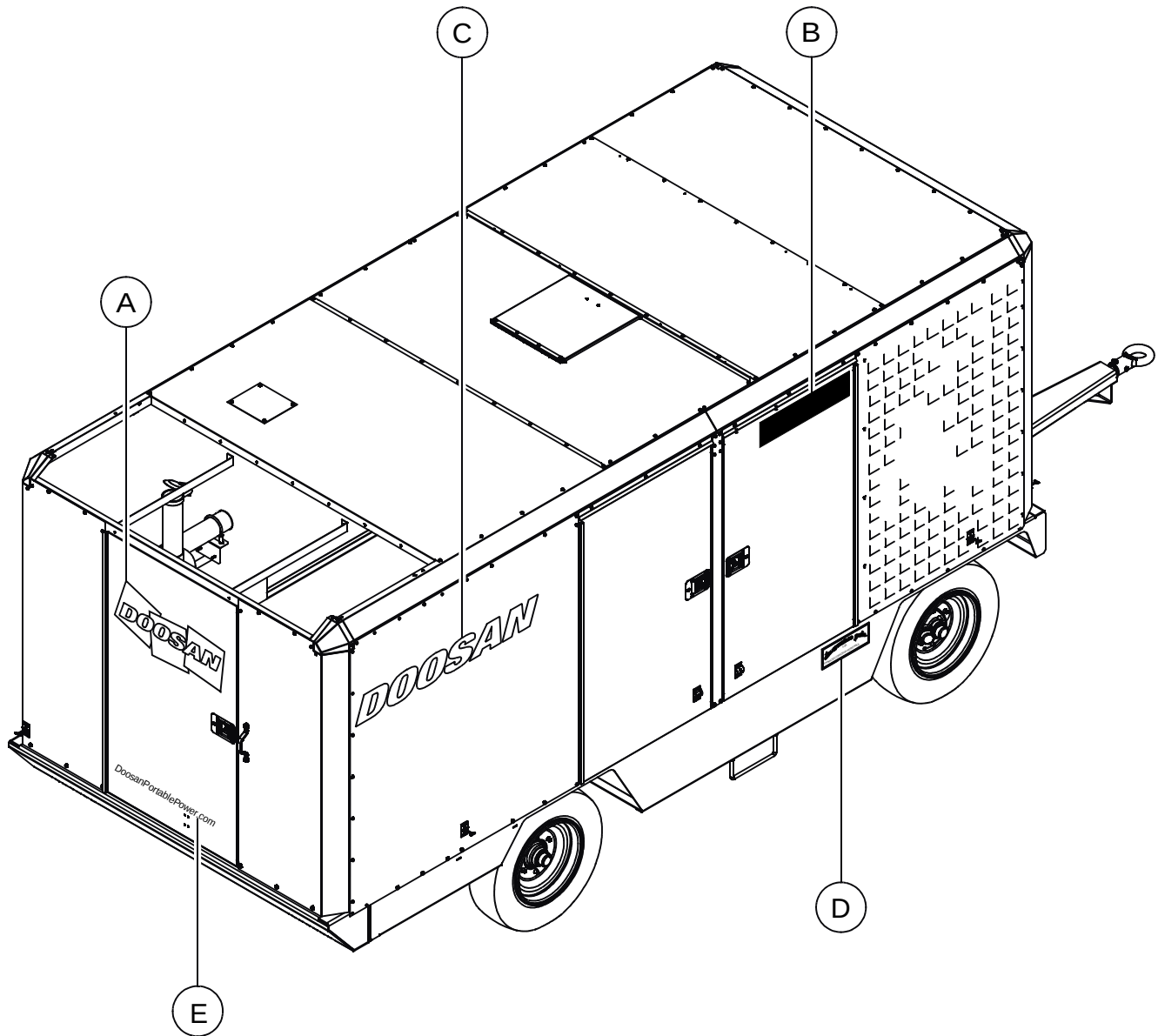
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54675848	Foam, Splitter Baffle	2	
B	54675830	Foam, Splitter Baffle	1	
C	54675822	Foam, L.H. Baffle	1	
D	54675806	Foam, L.H. Baffle	1	
E	54675814	Foam, L.H.	1	
F	54685334	Foam, R.H.	1	
G	54685326	Foam, R.H.	1	
H	54759550	Fiberglass, Bottom Door	1	
J	54759543	Fiberglass, Center Door	1	
K	54759535	Fiberglass, Top Door	1	

Wagon Wheel Acoustics



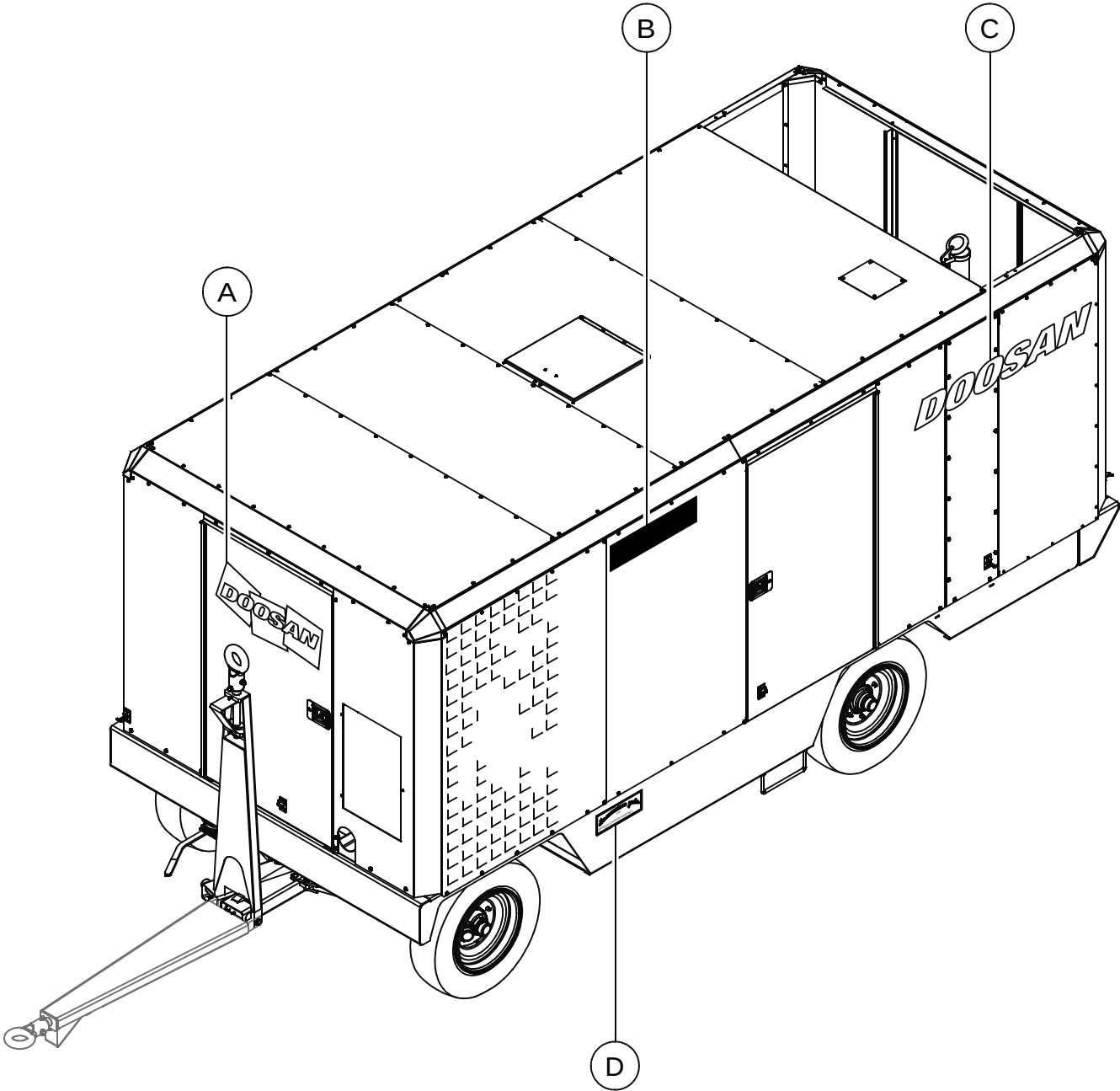
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54691134	Foam, L.H. Splitter Baffle	1	
B	54691175	Foam, L.H. Splitter Baffle	1	
C	54691118	Foam, Splitter Baffle	1	
D	54691191	Foam, R.H. Splitter Baffle	1	
E	54691159	Foam, R.H. Splitter Baffle	1	
F	54691126	Foam, L.H. Baffle	1	
G	54691167	Foam, L.H. Baffle	1	
H	54691183	Foam, R.H. Baffle	1	
J	54691142	Foam, R.H. Baffle	1	
K	54670459	Fiberglass, Bottom Door	1	
L	54760442	Fiberglass, Middle Door	1	
M	54760434	Fiberglass, Top Door	1	

Decal Location CRBSD Branding



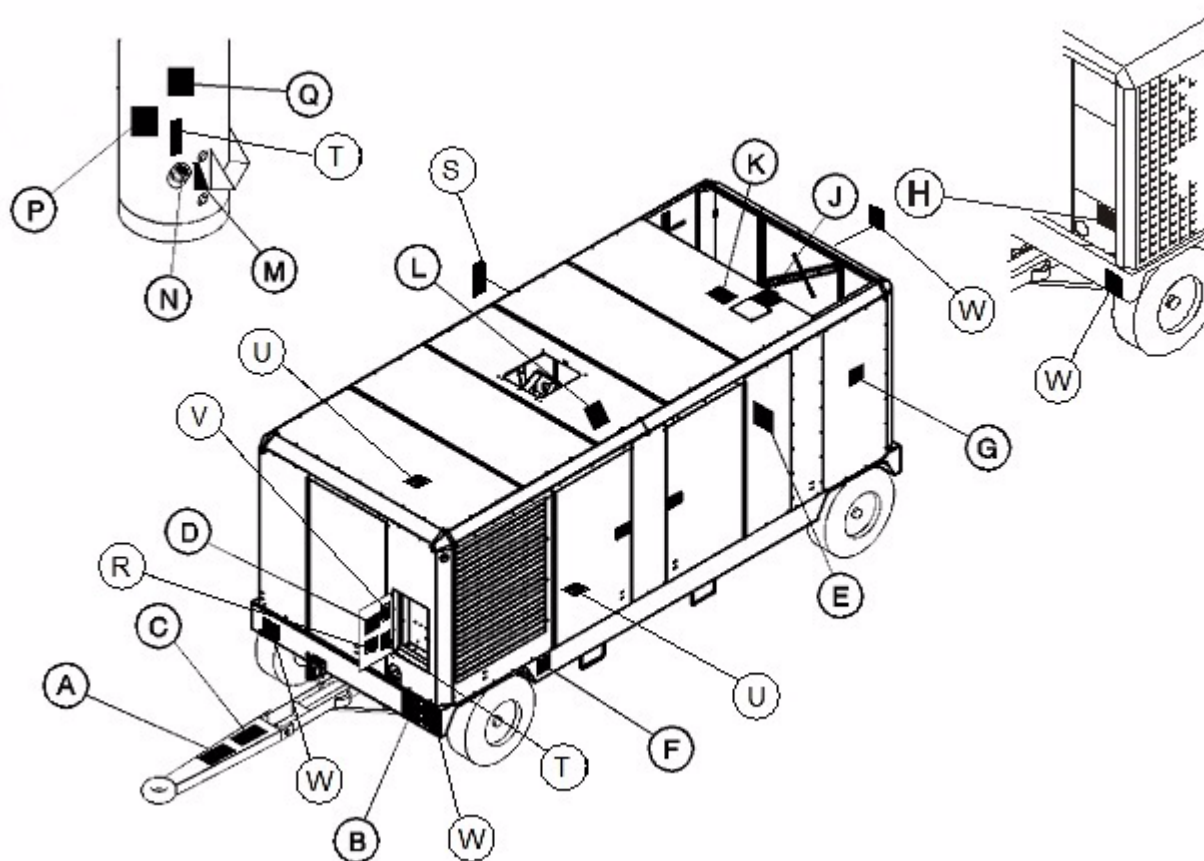
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46573862	Decal, 24" Tri-color Boxes	1	
B	46574086	Decal, XHP1170 Model Number	1	
C	46573925	Decal, Doosan Logo 55"	1	
D	54413117	Decal, Galvanneal	1	
E	46554780	Decal, Web Site	1	

Decal Location STSD Branding



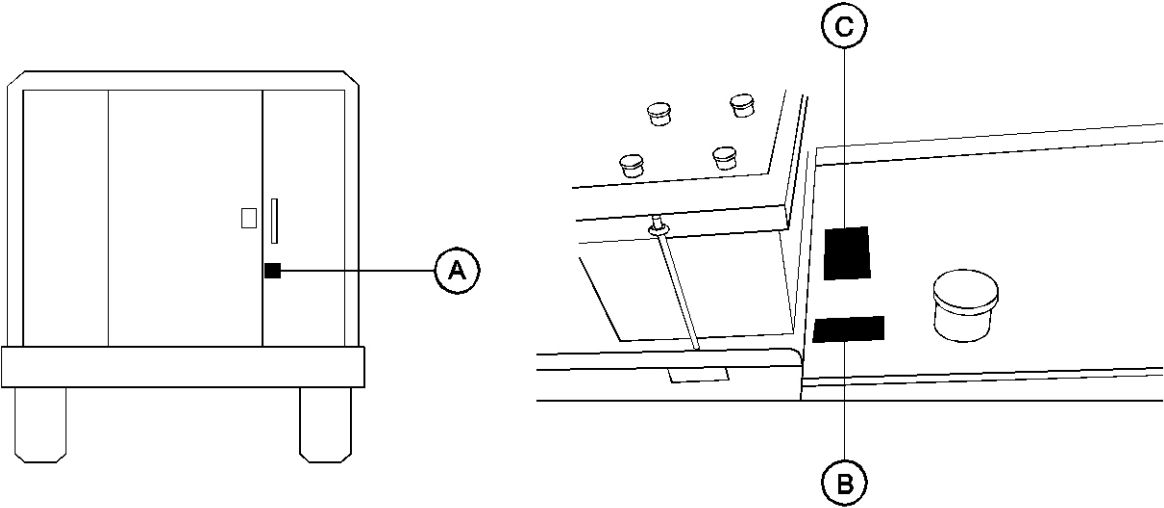
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	46573862	Decal, 24" Tri-color Boxes	1	
B	46574086	Decal, XHP1170 Model Number	1	
C	46573925	Decal, Doosan Logo 55"	1	
D	54413117	Decal, Galvanneal	1	

Decal Location



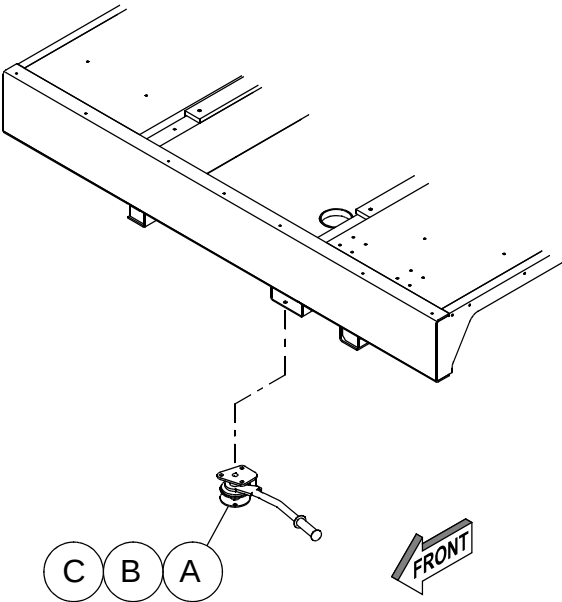
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568803	Decal, Collapsing Jack	1	HSRG Wagon RG
B	54629902	3-Part Warning Decal	1	
C	22055701	Decal, Trailer Sway	1	
D	54568787	Improper Operation Decal	2	
E	54568779	Rotating Fan Decal	4	
F	54749205	No Weld decal	4	
G	54604939	Fall Off Unit Decal	4	
H	36514602	Noise Emission Decal	1	
J	54568761	High Pressure Fluid Decal	1	
K	54604962	Radiator Fill Decal	1	
L	54699400	Lift Point Decal	2	
M	22383319	Oil Level Decal	1	
N	54604970	Oil Fill decal	1	
P	54568795	High Pressure Air Decal	1	
Q	22054365	IQ Operation Decal	1	
R	22205603	Decal, Operating Instructions	1	
S	54629977	Decal, ISO Central Drain	1	
T	54640040	Decal, Lubricant	2	
U	23321961	Decal, Low Sulfur Diesel	2	
V	22056378	Decal, ISO Operating Instructions	1	
W	22164305	Decal, Containment Notice	4	

Decal Location



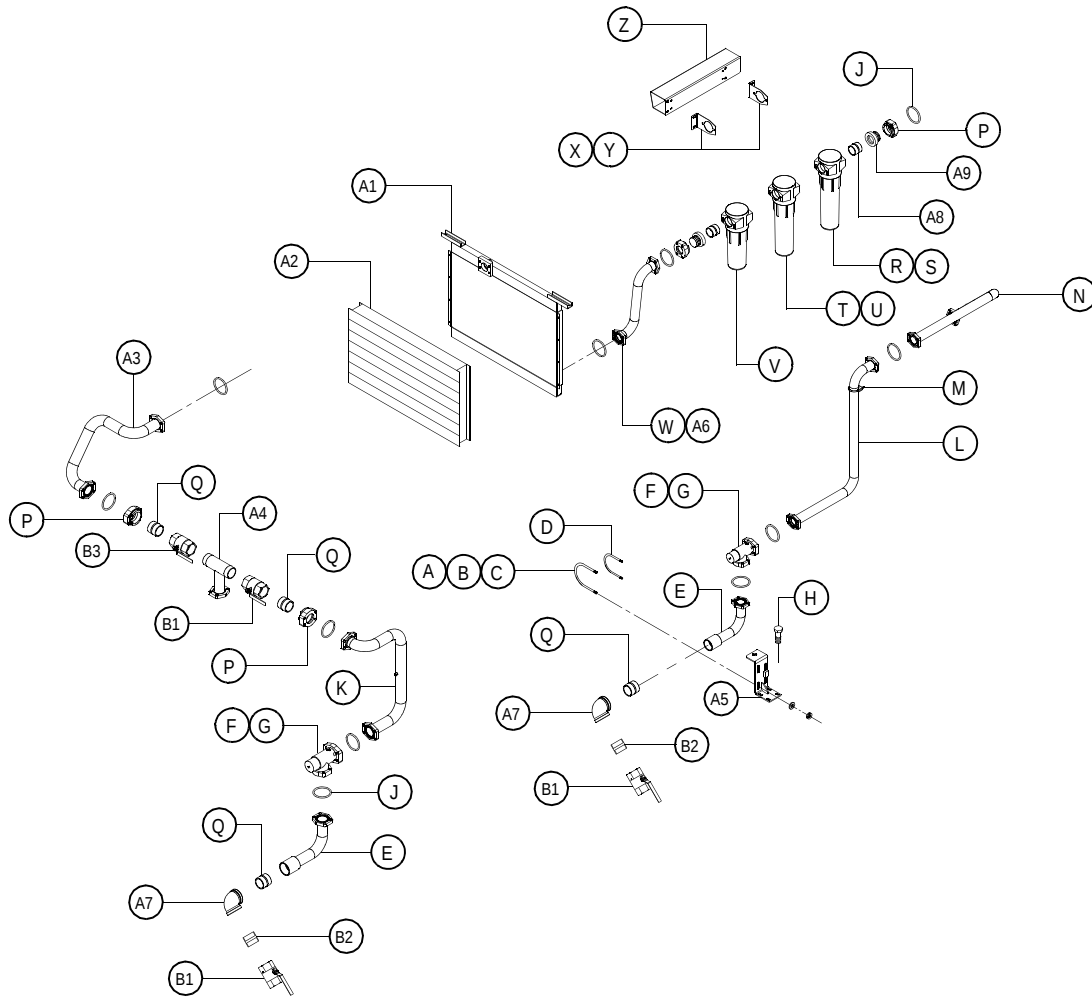
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54604988	Door Under Pressure Decal	1	
B	54625207	Diesel Fuel Decal	2	
C	54568753	Battery Gas Decal	1	

Wagon Wheel Parking Brake Assembly (Option)



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22987549	Brake Assembly, Cable and Lever	1	
B	36888055	Screw, Locking, M12 - 1.75 X 30	3	
C	35304047	Nut, Locking, M12 - 1.75	3	

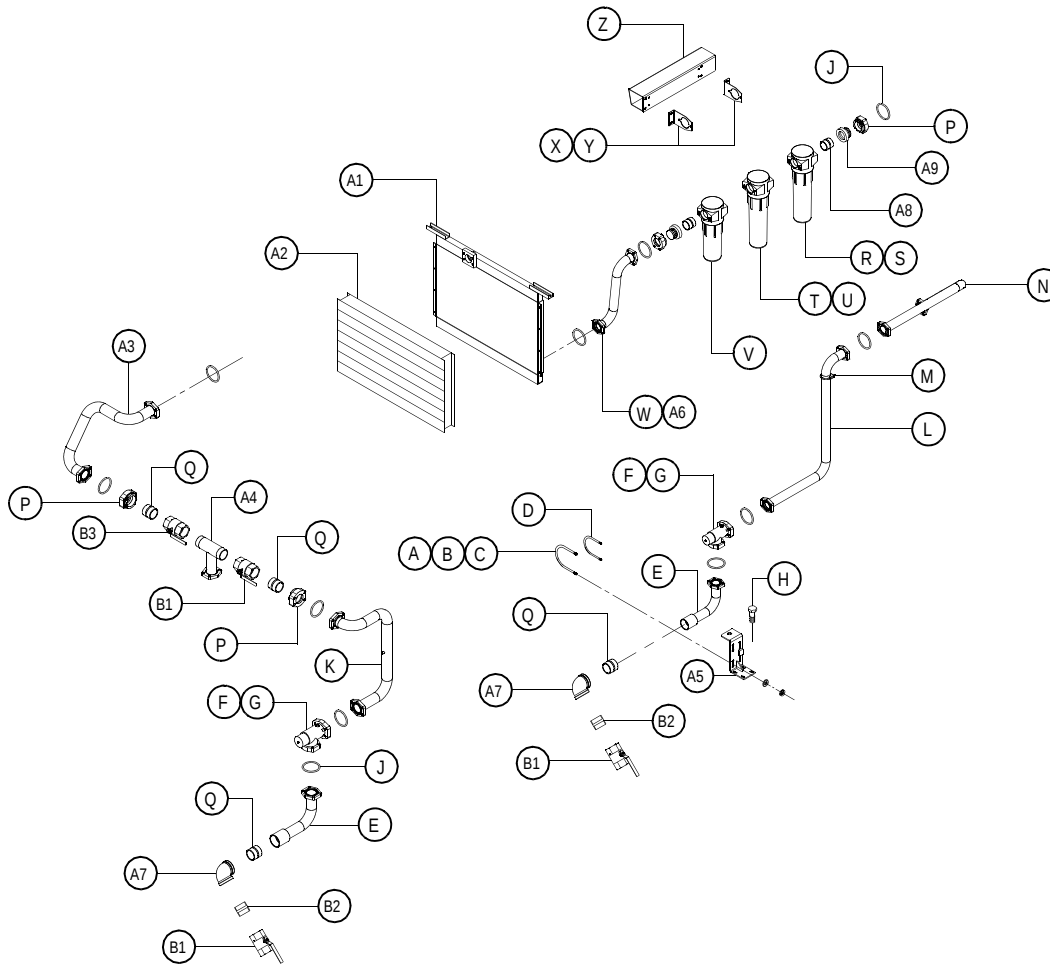
IQ Air Piping (Option)



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36799419	U-Bolt	2	
B	95935003	Washer	8	
C	95922902	Nut	8	
D	35586288	Clamp	2	
E	36898120	Pipe, Service (No PED with IQ)	2	
	22205090	Pipe, Service (PED with IQ)	2	
F	54687504	Valve, Minimum Pressure (No PED)	2	
	22207526	Valve, Minimum Pressure (With PED)	2	
G	95929089	Screw	36	
H	35130293	Screw	8	
J	95357976	O-Ring	11	
K	22104525	Pipe, Bypass (No PED with IQ)	1	
	22205140	Pipe, Bypass (PED with IQ)	1	
L	54735055	Pipe,Oulet (No PED with IQ)	1	
	22205207	Pipe,Oulet (PED with IQ)	1	
M	35113646	Clamp	1	
N	54734983	Pipe, Filter (No PED with IQ)	1	
	22205199	Pipe, Filter (PED with IQ)	1	

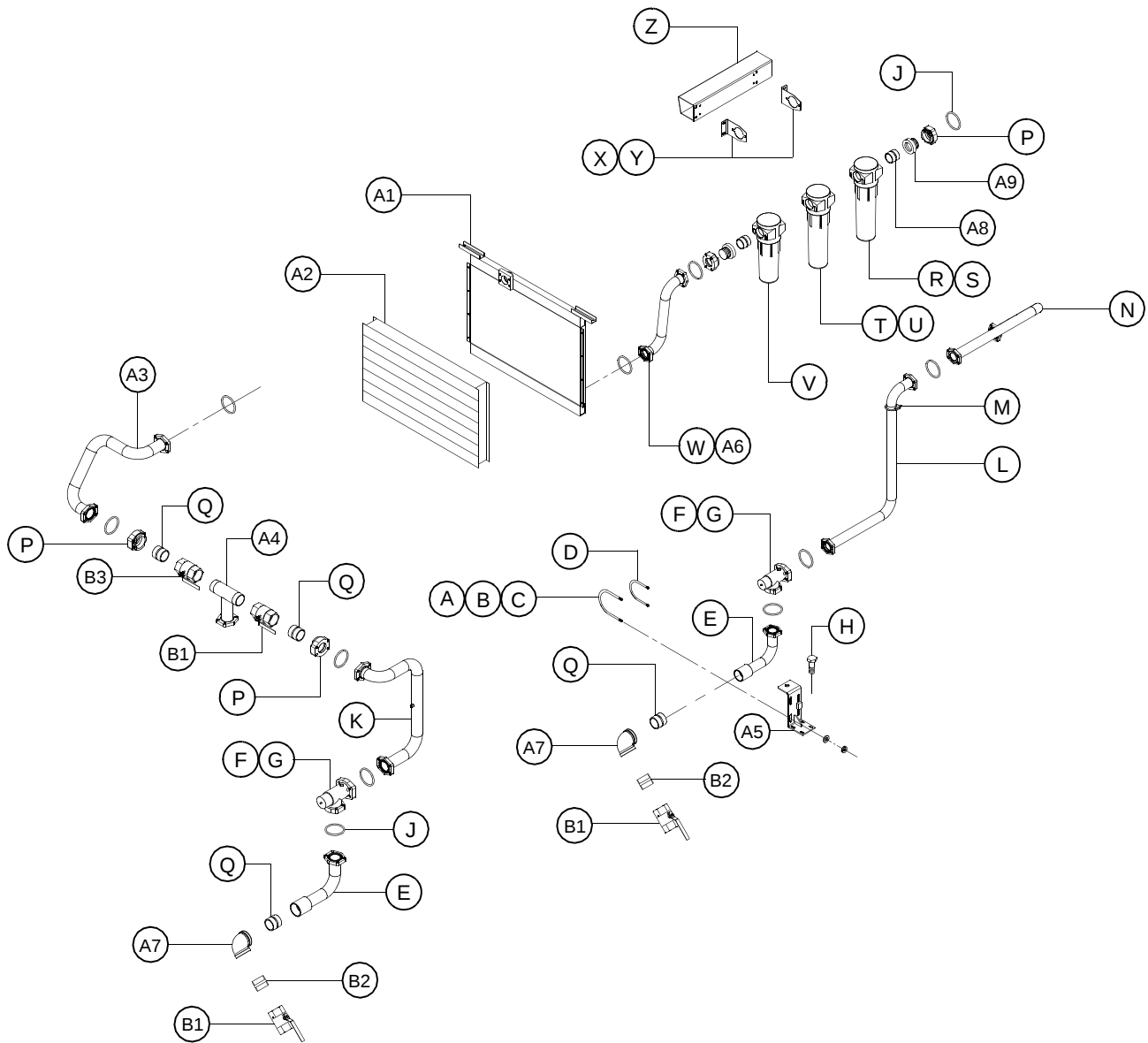
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IQ Air Piping(Option)



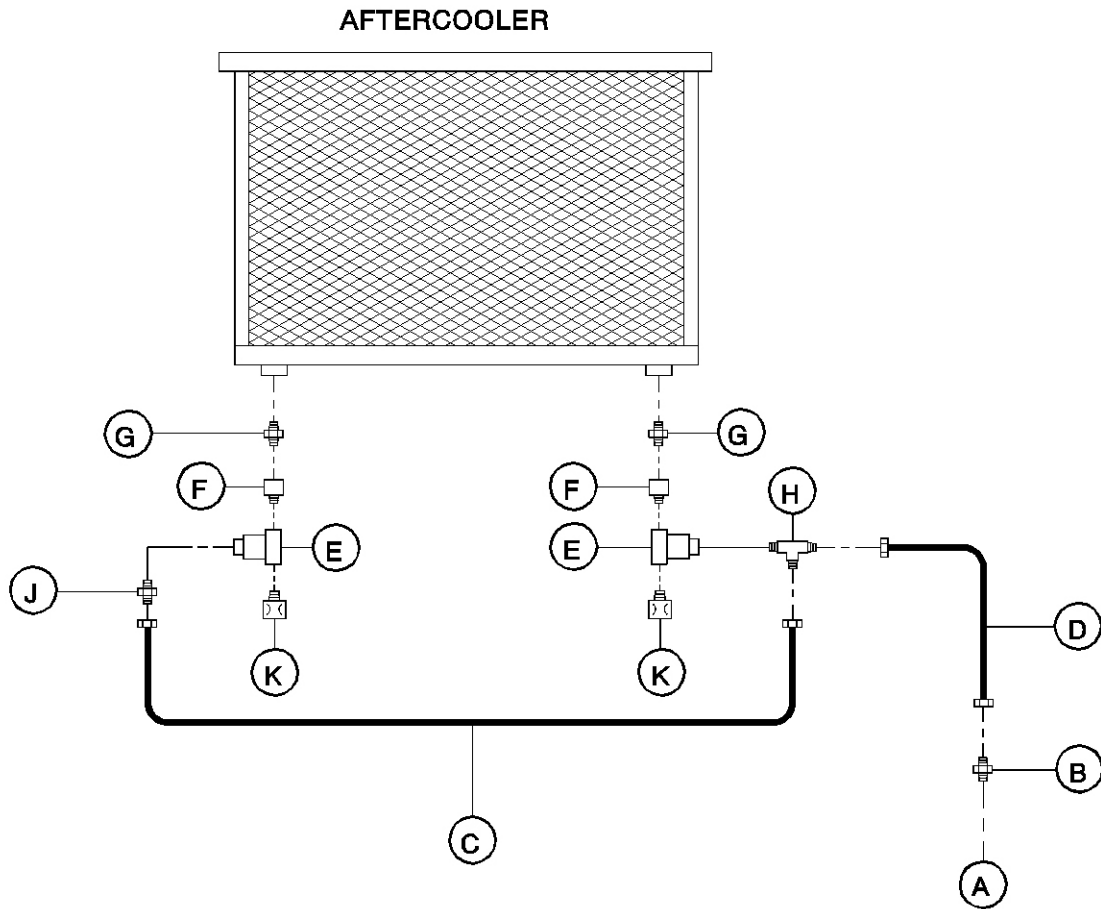
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	36893220	Adapter, Flange	3	Continued
Q	95940946	Nipple	6	
R	54738992	Filter, Secondary	1	
S	54739040	Element, Filter	1	
T	54731625	Filter, Primary	1	
U	54739032	Element, Filter	1	
V	54731617	Separator, Water	1	
W	54735097	Pipe, Filter (No PED with IQ)	1	
	22205157	Pipe, Filter (PED with IQ)	1	
X	54735204	Kit, Bracket / Wedge	1	
Y	54739008	Kit, Wedge	1	
Z	54732250	Bracket, Filters	1	
A1	54699145	Cooler Assembly	1	
A2	54700943	Louver Assembly	1	
A3	22104533	Tube, Inlet (No PED with IQ)	1	
	22205132	Tube, Inlet (PED with IQ)	1	
A4	22097489	Pipe, Tee (No PED with IQ)	1	
	22205116	Pipe, Tee (PED)	1	
				Continued.....

IQ Air Piping (Option)



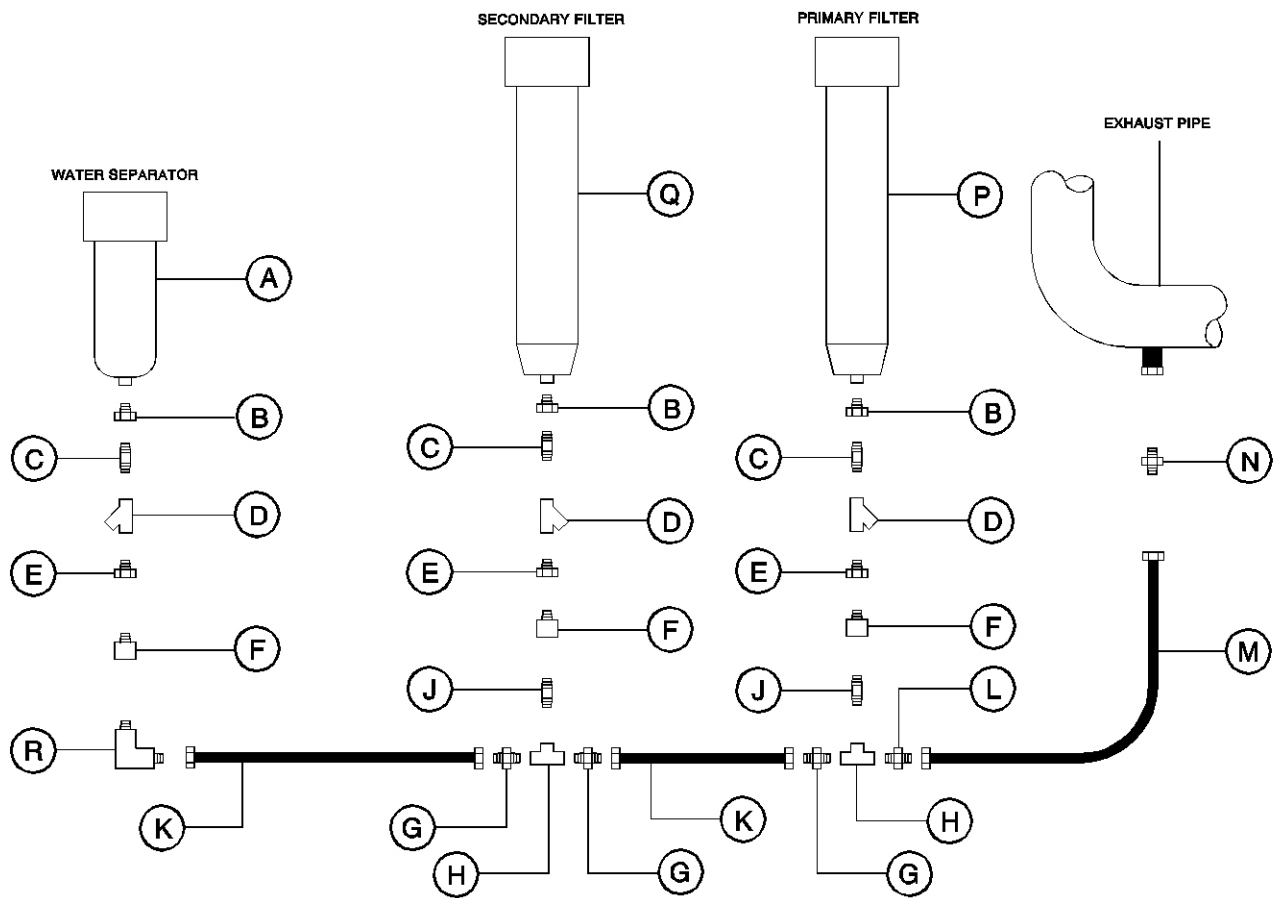
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A5	54668314	Support, Pipe	2	Continued
A6	95929089	Screw	32	
A7	95954814	Elbow	2	
A8	95953790	Nipple	2	
A9	95951398	Bushing	2	
B1	36755718	Valve, Ball (MSA)	3	
	22225213	Valve, Ball (PED, with IQ)	1	
B2	54393210	Nipple	1	
B3	36922995	Valve, Ball (No PED, with IQ)	1	

IQ Cooler Piping (Option)



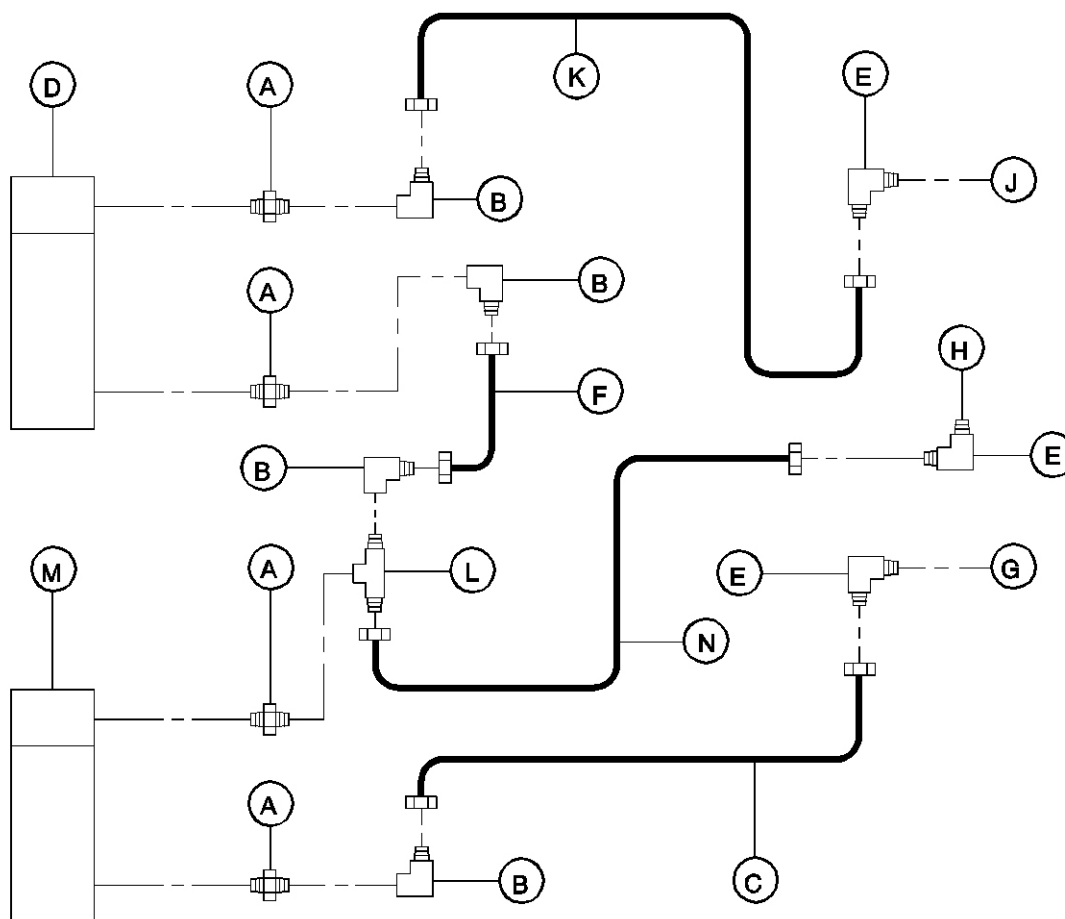
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A		To Side Outlet of Tee LH Side of Auto-Blowdown Valve		
B	35284082	Connector	1	
C	35310994	Hose Assembly	1	
D	35282987	Hose Assembly	1	
E	35322379	Valve, Blowdown	1	
	35379064	Diaphragm Kit	1	
F	35367846	Reducer	1	
G	35284082	Connector	1	
H	35283050	Tee	1	
J	35284082	Connector	1	
K	35248319	Orifice, .094	1	
	23294820	Sensor, Temperature	1	

IQ Filter Piping (Option)



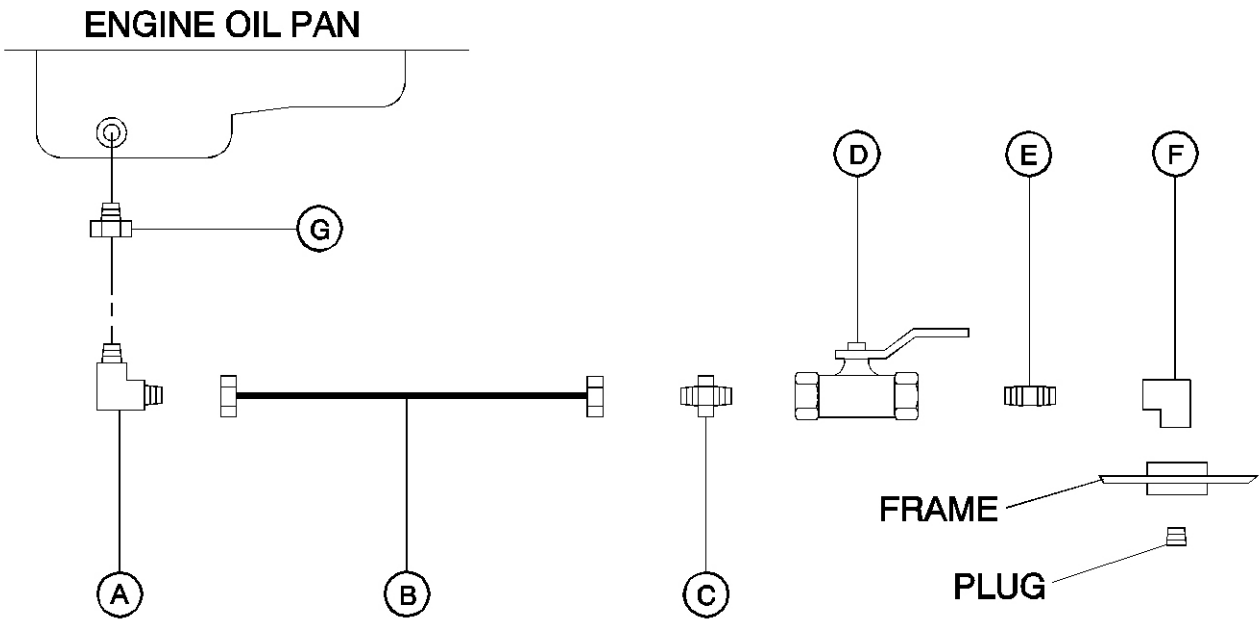
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54731617	Separator, Water	1	
B	95245353	Adapter	1	
C	95772562	Nipple	1	
D	36844579	Y-Strainer (No PED with IQ)	1	
	22225338	Y-Strainer (PED with IQ)	1	
E	95940748	Bushing	1	
F	37081528	Orifice	1	
G	35283472	Connector	1	
H	36882223	Tee	1	
J	95452025	Nipple	1	
K	35310960	Hose Assembly	1	
L	35284082	Connector	1	
M	35284538	Hose Assembly	1	
N	35321983	Union	1	
P	54731625	Filter, Primary	1	
Q	54738992	Filter, Secondary	1	
R	35283464	Elbow	1	

IQ Indicator Piping (Option)



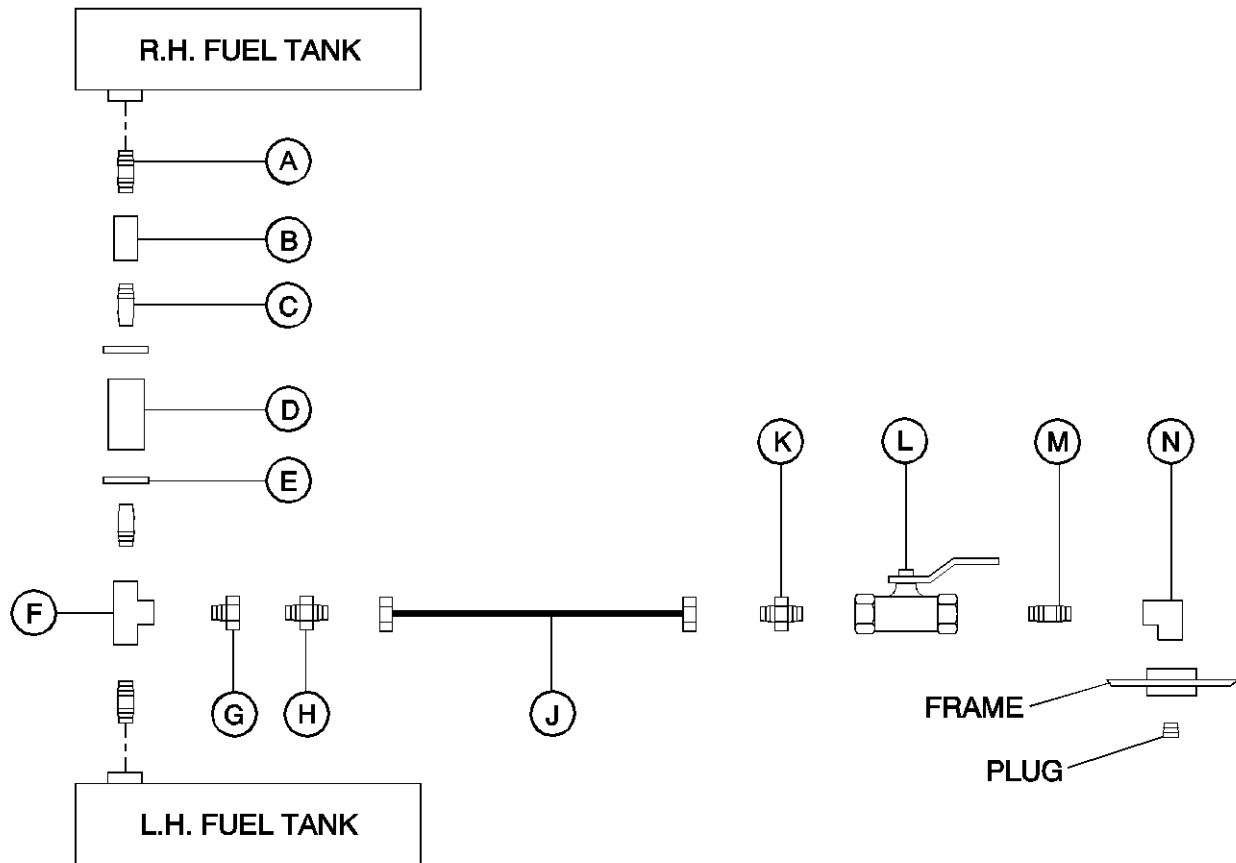
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36898401	Connector	1	
B	35290352	Elbow	1	
C	35310226	Hose Assembly	1	
D	36899599	Indicator, 20 psi	1	
E	35283464	Elbow	1	
F	35310960	Hose Assembly	1	
G		To Water Separator Tube		
H		To First Stage Filter Separator		
J		To Filter Outlet Tube		
K	35323757	Hose Assembly	1	
L	35323591	Tee	1	
M	36899615	Indicator, 25 psi	1	
N	36920650	Hose Assembly	1	

Engine Oil Drain Piping (Option)



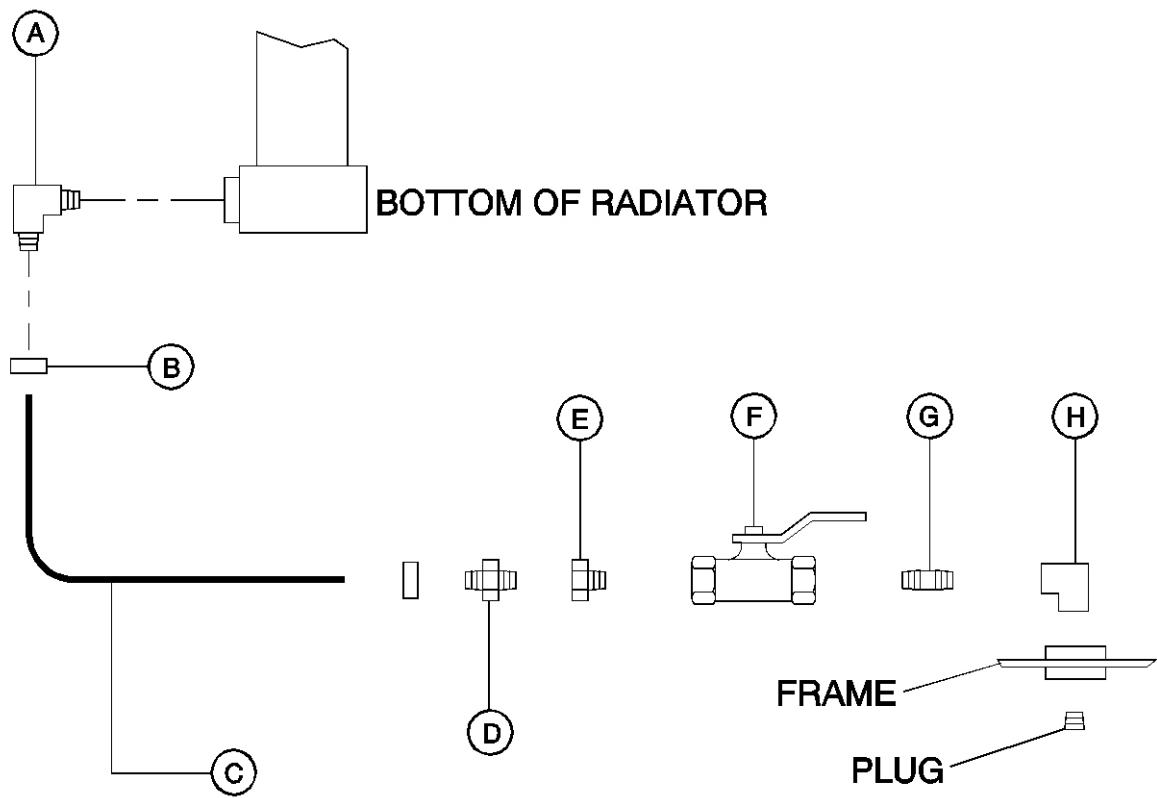
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35294750	Elbow	1	
B	35323880	Hose Assembly	1	
C	95219747	Connector	1	
D	35576115	Valve, Ball	1	
E	95928040	Nipple	1	
F	95928172	Elbow	1	
G	95944617	Bushing	1	

Fuel Tank Drain Piping (Option)



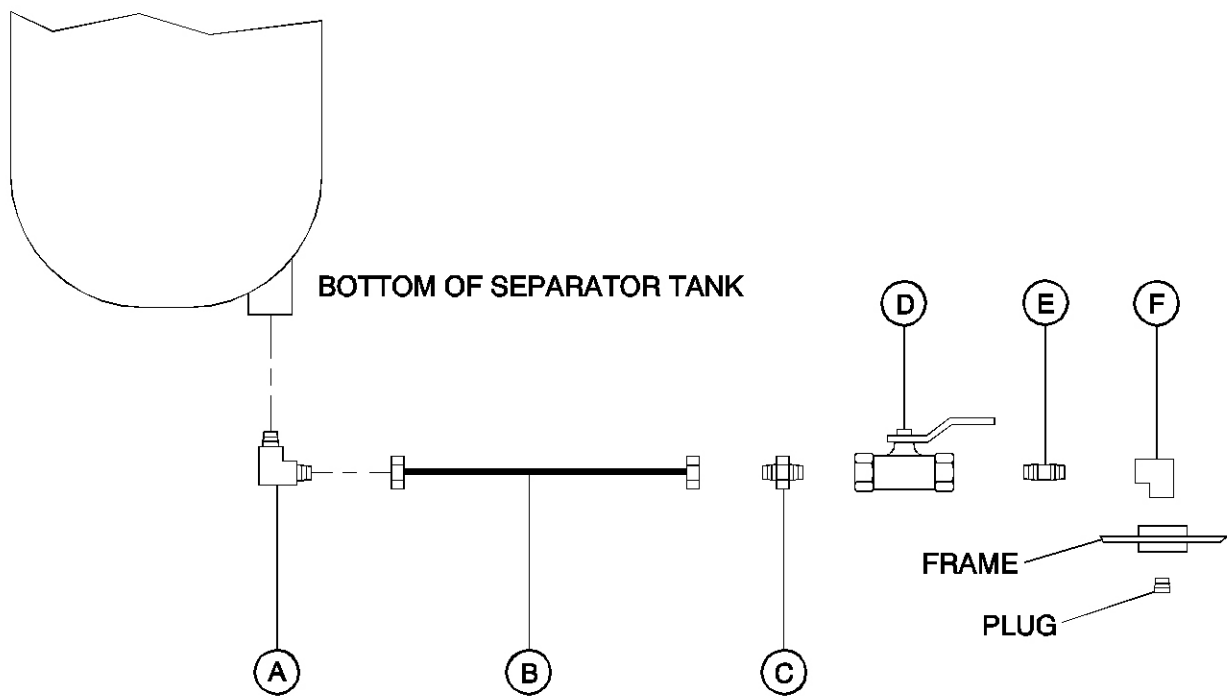
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95953535	Nipple	2	
B	95937454	Connector	1	
C	54762190	Fitting, Hose	2	
D	36898328	Hose, 138"	1	
E	35221662	Clamp	2	
F	95954285	Tee	1	
G	95953873	Reducer	1	
H	95219747	Connector	1	
J	36898328	Hose Assembly	1	
K	95219747	Connector	1	
L	35576115	Valve, Ball	1	
M	95928040	Nipple	1	
N	95928172	Elbow	1	

Radiator Drain Piping (Option)



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35366665	Elbow	1	
B	95220844	Clamp	2	
C	35326578	Hose (110 Inches)	1	
D	35326560	Fitting, Hose	1	
E	95953949	Reducer	1	
F	35576115	Valve, Ball	1	
G	95928040	Nipple	1	
H	95928172	Elbow	1	

Separator Tank Drain Piping (Option)



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35294750	Elbow	1	
B	36878254	Hose Assembly	1	
C	95219747	Connector	1	
D	35576115	Valve, Ball	1	
E	95928040	Nipple	1	
F	95928172	Elbow	1	



WIRING DIAGRAMS

WEDGE SERVICE DIAGNOSTICS

SYSTEM PARAMETERS CAN BE READ ON THE WEDGE 4 DIGIT DISPLAY WHEN THE ON/OFF POWER SWITCH IS IN "ON".

- IF THE ENGINE IS RUNNING, MOMENTARILY TURN THE ON/OFF START SWITCH TO "START" TO STEP THROUGH THE DISPLAY NUMBERS.
- IF THE ENGINE IS NOT RUNNING, PRESS AND RELEASE THE SERVICE AIR SWITCH TO STEP THROUGH THE DISPLAY NUMBERS.
- AFTER SELECTION, THE DISPLAY NUMBER (2-20) WILL BE DISPLAYED FOR ONE (1) SECOND, THEN THE PARAMETER VALUE WILL BE DISPLAYED.
- AFTER STEPPING THROUGH NUMBER 20, THE DISPLAY WILL START OVER AT NUMBER 2.
- THE DISPLAY WILL AUTOMATICALLY RETURN TO NORMAL MODE AFTER 3 MINUTES.

DISPLAY	PARAMETER	REMARKS
2	RPM	ACTUAL FROM ENGINE FLYWHEEL SENSOR
3	ENGINE RPM	FILTERED RPM VALUE
4	REGULATION SYSTEM PRESSURE	PSI
5	SEPARATOR TANK PRESSURE	PSI
6	DISCHARGE TEMPERATURE	DEGREES FAHRENHEIT
7	SEPARATOR TANK TEMPERATURE	DEGREES FAHRENHEIT
8	ENGINE TARGET RPM	WEDGE SIGNAL TO ENGINE
9	MACHINE I. D.	CONSULT FACTORY
10	ENGINE COOLANT TEMPERATURE	DEGREES FAHRENHEIT
11	ENGINE OIL TEMPERATURE	DEGREES FAHRENHEIT
12	ENGINE OIL PRESSURE	PSI
13	INTAKE MANIFOLD TEMPERATURE	DEGREES FAHRENHEIT
14	RPM	ENGINE CONTROLLER (ECM)
15	ENGINE FAULT CODE LIST	FROM ENGINE ECM
16	THROTTLE POSITION	
17	BOOST PRESSURE	PSI
18	ENGINE HOURS	
19	LOAD AT SPEED	PERCENT (%)
20	SET MACHINE ID	(NOT AVAILABLE WHEN MACHINE IS RUNNING)

If the	fault indicator lamp is illuminated, refer to the	Alert/Shutdown list.
If the	fault indicator lamp is illuminated, refer to the	Engine diagnostic list.

WEDGE: 22173579 - SOFTWARE V2.07 to V2.25
WEDGE: 46636279 - SOFTWARE V3.00 and GREATER

If the	fault indicator lamp is illuminated, refer to the		Alert/Shutdown list.
If the	fault indicator lamp is illuminated, refer to the		Engine diagnostic list.

WEDGE: 22173579 - SOFTWARE V2.07 to V2.25
WEDGE: 46636279 - SOFTWARE V3.00 and GREATER



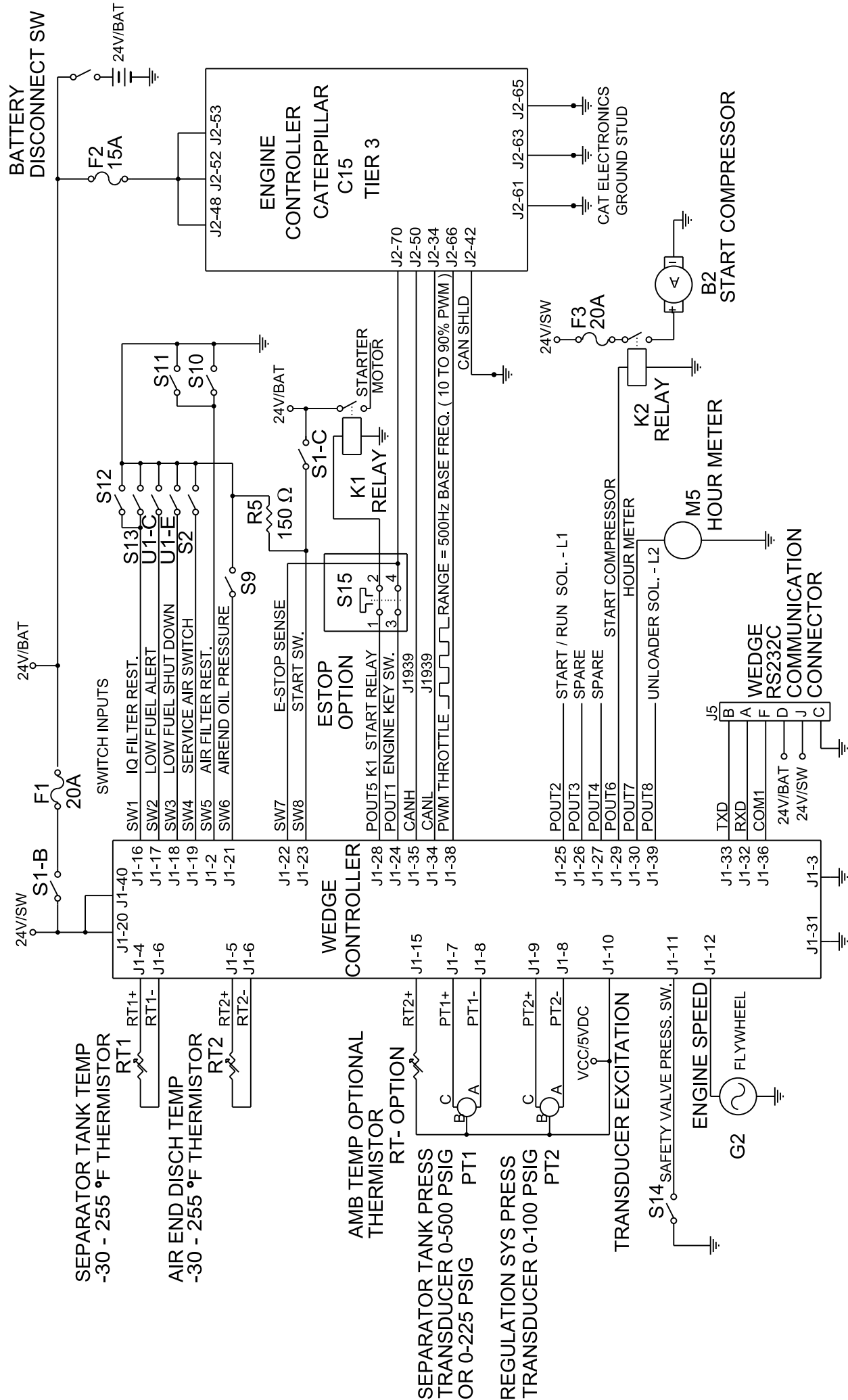
Engine Malfunction Diagnostic Light

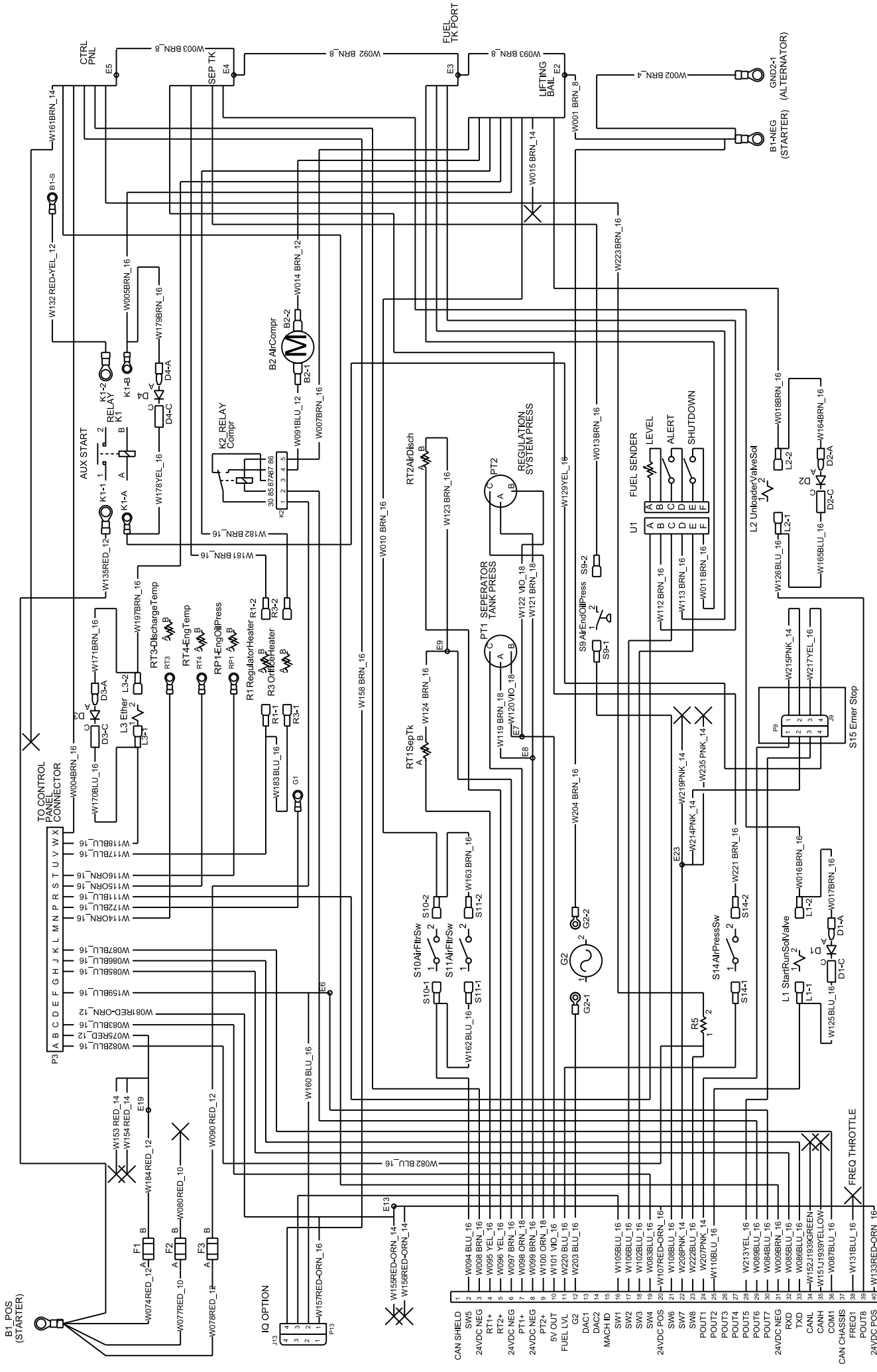
ENGINE DIAGNOSTIC CODES	
CODE	DEFINITION
13	FUEL TEMPERATURE OPEN/SHORT TO POSITIVE (+) BATTERY
	FUEL TEMPERATURE SHORT TO GROUND
	5 VOLT SENSOR DC POWER SUPPLY SHORT TO POSITIVE (+) BATTERY
21	5 VOLT SENSOR DC POWER SUPPLY SHORT TO GROUND
	8 VOLT DC SUPPLY SHORT TO POSITIVE (+) BATTERY
	8 VOLT DC SUPPLY SHORT TO GROUND
24	ENGINE OIL PRESSURE OPEN/SHORT TO POSITIVE (+) BATTERY
	ENGINE OIL PRESSURE SHORT TO GROUND
	ENGINE OIL PRESSURE ABNORMAL RATE OF CHANGE
25	BOOST PRESSURE SENSOR ABNORMAL RATE OF CHANGE
	BOOST PRESSURE SENSOR OPEN/SHORT TO POSITIVE (+) BATTERY
	BOOST PRESSURE SENSOR SHORT TO GROUND
26	ATMOSPHERIC PRESSURE OPEN/SHORT POSITIVE (+) BATTERY
	ATMOSPHERIC PRESSURE SHORT TO GROUND
27	ENGINE COOLANT TEMPERATURE OPEN/SHORT TO POSITIVE (+) BATTERY
	ENGINE COOLANT TEMPERATURE SHORT TO GROUND
28	THROTTLE POSITION CALIBRATION REQUIRED
32	THROTTLE POSITION SIGNAL ABNORMAL
34	ENGINE SPEED SIGNAL ABNORMAL
	SECONDARY ENGINE SPEED SIGNAL ABNORMAL
35	ENGINE OVERSPEED WARNING / SHUT DOWN



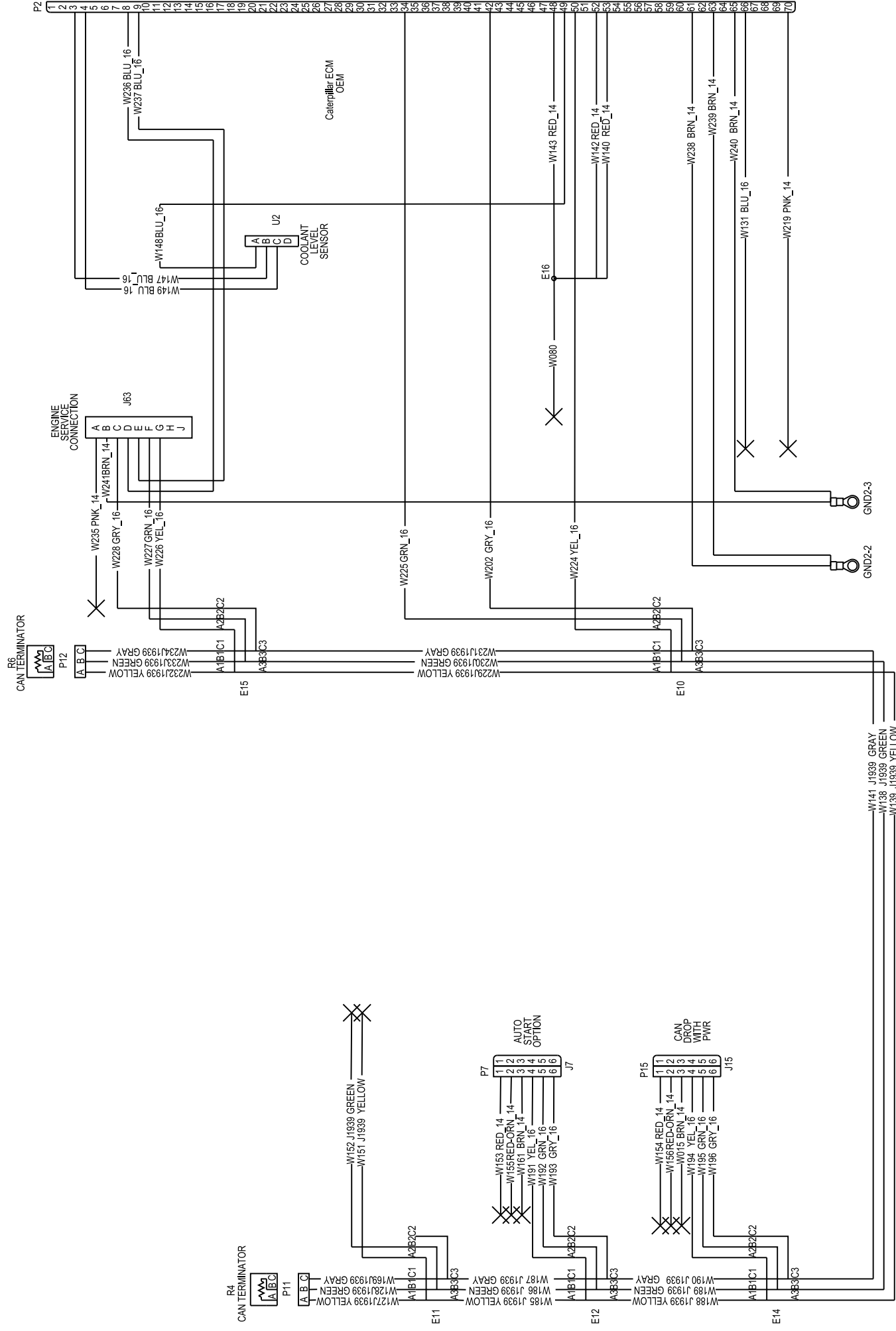
Engine Malfunction Diagnostic Light

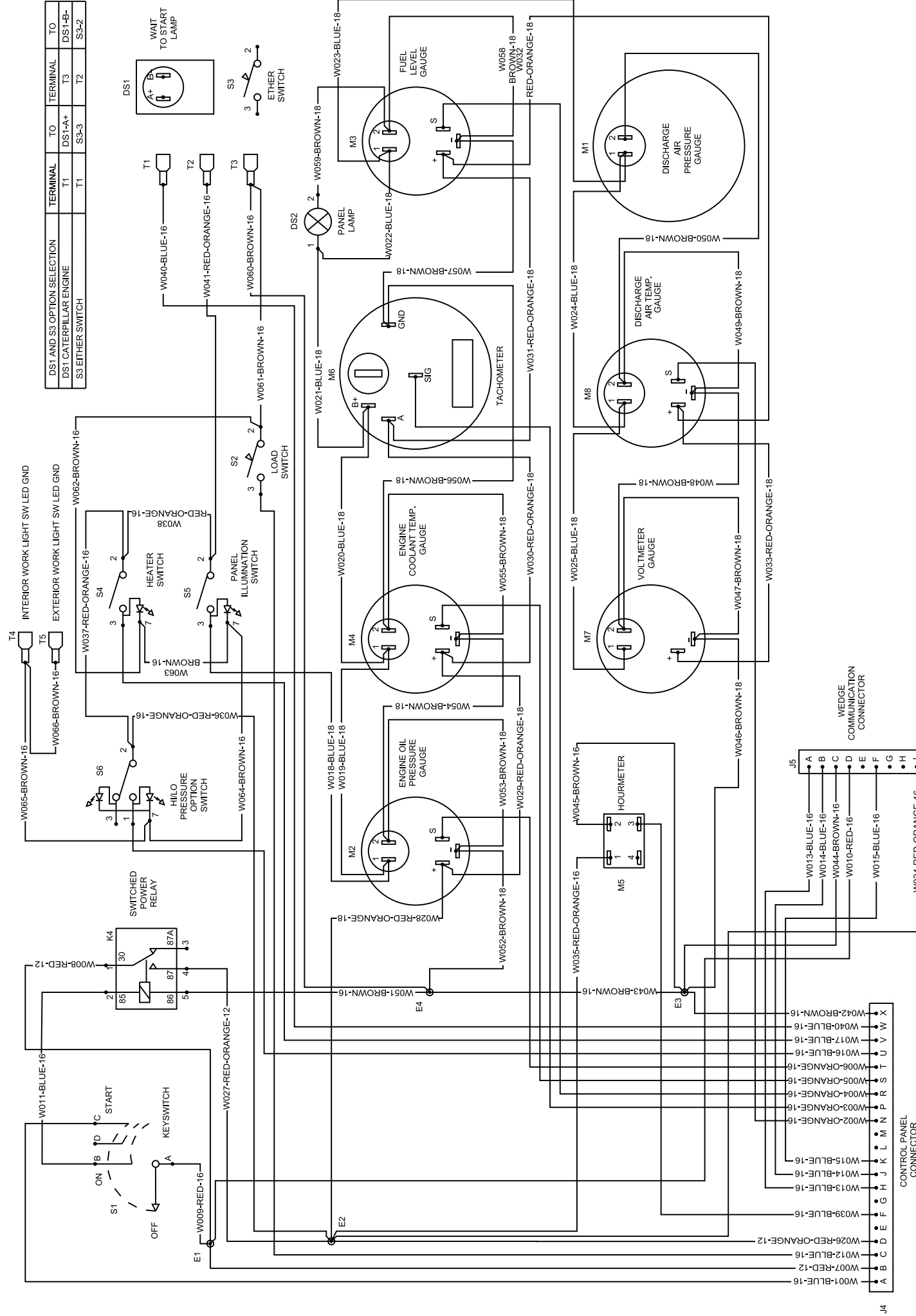
ENGINE DIAGNOSTIC CODES	
CODE	DEFINITION
37	FUEL PRESSURE OPEN/SHORT TO POSITIVE (+) BATTERY OR SHORT TO GROUND
38	INTAKE MANIFOLD AIR TEMPERATURE OPEN/SHORT TO POSITIVE (+) BATTERY OR SHORT TO GROUND
39	INJECTOR ACTUATION PRESSURE SIGNAL ERRATIC / HIGH / LOW / FAULT
42	ENGINE TIMING CALIBRATION REQUIRED
46	LOW ENGINE OIL PRESSURE WARNING / DERATE / SHUT DOWN
51	SYSTEM VOLTAGE INTERMITTENT / ERRATIC / HIGH / LOW
56	CHECK PROGRAMMABLE PARAMETERS
58	J1939 DATA LINK COMMUNICATIONS
61	HIGH ENGINE COOLANT TEMPERATURE WARNING / DERATE / SHUT DOWN
62	LOW ENGINE COOLANT LEVEL WARNING / DERATE / SHUT DOWN
63	HIGH FUEL PRESSURE WARNING
64	HIGH INLET AIR TEMPERATURE WARNING / SHUT DOWN
65	HIGH FUEL TEMPERATURE WARNING / DERATE / SHUT DOWN
71	INJECTOR CYCLINDER #1 FAULT
72	INJECTOR CYCLINDER #2 FAULT
73	INJECTOR CYCLINDER #3 FAULT
74	INJECTOR CYCLINDER #4 FAULT
75	INJECTOR CYCLINDER #5 FAULT
76	INJECTOR CYCLINDER #6 FAULT





XHP1170CAT/CATF-EX-T3 CHASSIS HARNESS WIRING DIAGRAM





Item	Part No.	Description	Item	Part No.	Description	Item	Part No.	Description
		CHASSIS & CAN BUS HARNESS			CHASSIS & CAN BUS HARNESS			INSTRUMENT PANEL HARNESS
B2	36850691	Compressor, Electric 24V	R1	36841526	Heater	DS1	N/A	N/A
D1	35376169	Diode	R3	36841526	Heater	DS2	36852622	Light, Instrument Panel
D2	35376169	Diode	R4	23366784	Resistor, Trimming		22113880	Lamp, 4.76 W
D3	35376169	Diode	R5	N/A	Resistor, 150 ohm	J5	23366768	Cap (Replacement)
D4	35376169	Diode	R6	23366784	Resistor, Trimming	K4	36892362	Relay, SPST
F1	23091838	Fuse, 20A	RP1	36870608	Sender, Pressure 0 - 150 psi	M1	36841468	Gauge, Pressure (Discharge Air)
F2	22071575	Fuse, 15A	RT1	23294820	Sensor, Temperature		22137426	Lamp, 28 V
F3	23091838	Fuse, 20A	RT2	23294820	Sensor, Temperature	M2	22692628	Gauge, Pressure (Oil)
G2	36870665	Sensor, Speed Mag. Pickup	RT3	36841138	Sender, Temperature		22137426	Lamp, 28 V
J63	23366768	Cap (Replacement)	RT4	36841138	Sender, Temperature	M3	22692602	Gauge, Fuel Level
K1	35577873	Relay	S9	N/A	N/A		22137426	Lamp, 28 V
K2	36892362	Relay	S10	36847838	Switch, Vacuum	M4	22692610	Gauge, Temperature (Engine Coolant)
L1	36842300	Valve, Solenoid	S11	36847838	Switch, Vacuum		22137426	Lamp, 28 V
L2	36842318	Valve, Solenoid	S14	36757581	Switch, Pressure	M5	54766704	Hourmeter
L3	35306158	Valve, Ether Solenoid	S15	N/A	N/A	M6	22055883	Tachometer
P2	23366776	Backshell (Replacement)	U1	54672811	Sender, Low Fuel Shutdown		22137426	Lamp, 28 V
PT1	54675946	Sensor, Pressure 0 - 500 psi	U2	22102339	Sensor, Coolant Level	M7	22692594	Voltmeter
PT2	36920825	Sensor, Pressure 0 - 100 psi					22137426	Lamp, 28 V
			~	23258114	Harness, Chassis	M8	22692610	Gauge, Temperature (Discharge Air)
			~	46636279	Controller, Wedge		22137426	Lamp, 28 V
			~	36896975	Switch, Battery Disconnect	S1	22127385	Switch, Ignition
			~	35578194	Strap, Ground		22134118	Knob, Switch
			~	35293075	Strap, Ground	S2	22054076	Switch, Rocker (Push After Warm Up)
			~	23268105	Cable, Positive Battery	S3	22054068	Switch, Rocker (Ether)
			~	54765375	Cable, Positive Battery	S4	22054050	Switch, Rocker (Heater)
			~	35128982	Cable, Battery Jumper	S5	22053896	Switch, Rocker (Lamp)
			~	36780609	Cable, Negative Battery	S6	N/A	N/A
			~	35225788	Battery, 12 VDC	~	22817829	Harness, Instrument Panel

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Revision History

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