

PARTS MANUAL



Doosan Infracore
Portable Power

HP1300WCU-T3 (B84)

HP1600WCU-T3 (B83)

COMPRESSOR MODEL

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Section A - Parts Ordering

GENERAL

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

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

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

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

Description

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

In referring to the rear, the front or to either side of the unit, always consider the drawbar end of the unit as the front.

Standing at the rear of the unit facing the drawbar (front) will determine the right and left sides.

Fasteners

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

How To Order

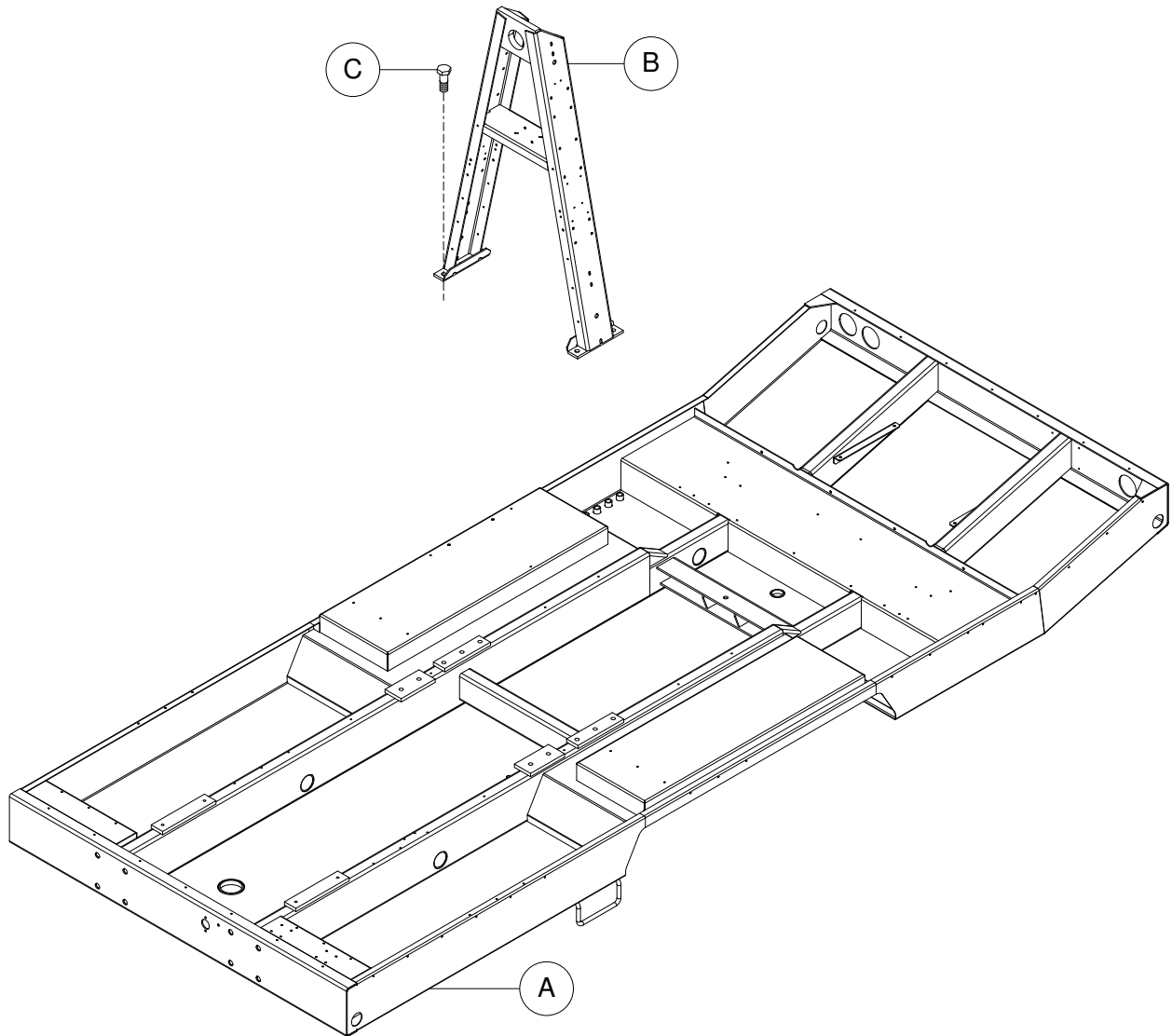
Always specify the model and serial number of the unit.

Specify the part number and description.



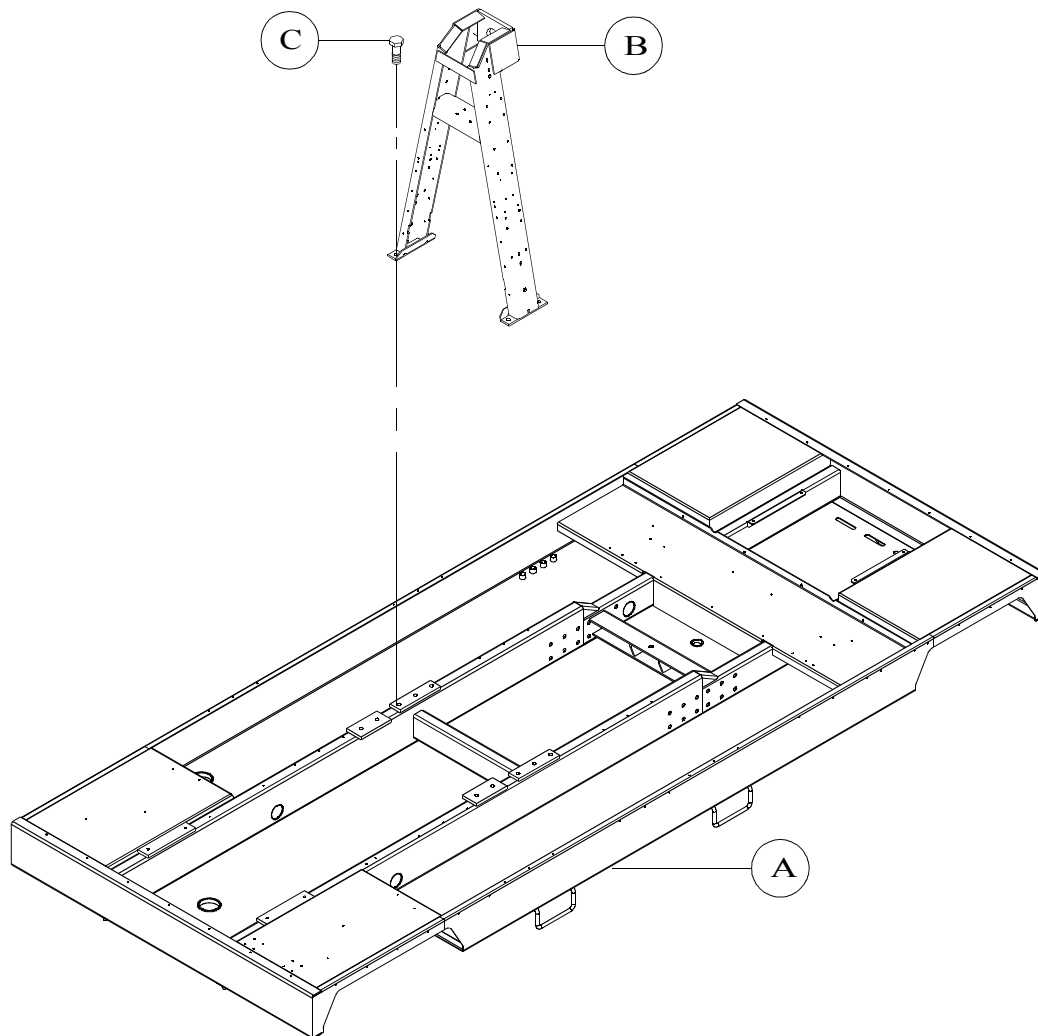
Section B - COMPRESSOR PARTS

Fast Track Frame Assembly



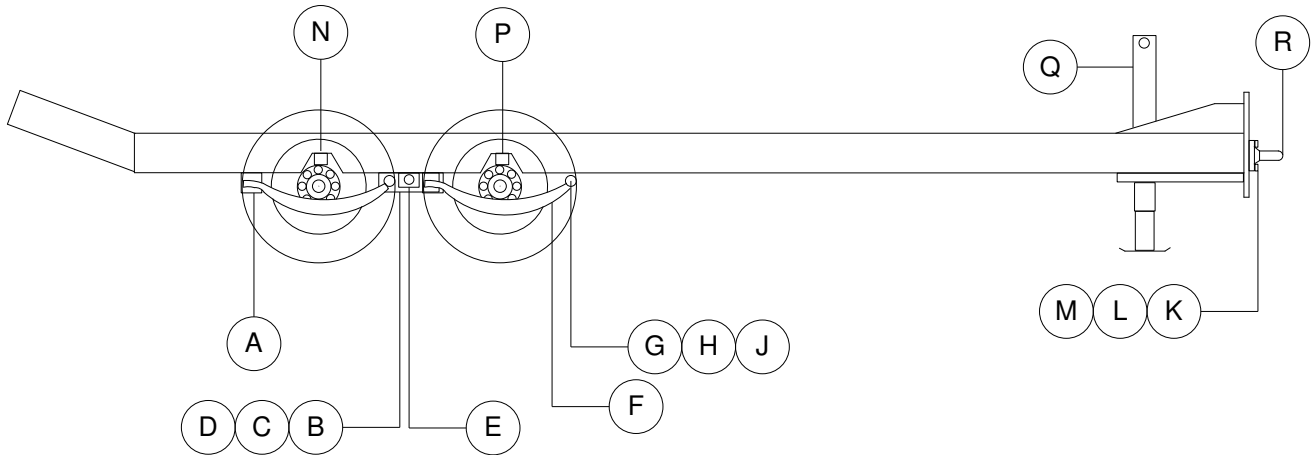
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54760202	Frame Assembly	1	
B	54542543	Bail, Lifting	1	
C	96720610	Screw	4	

Wagon Wheel Frame Assembly



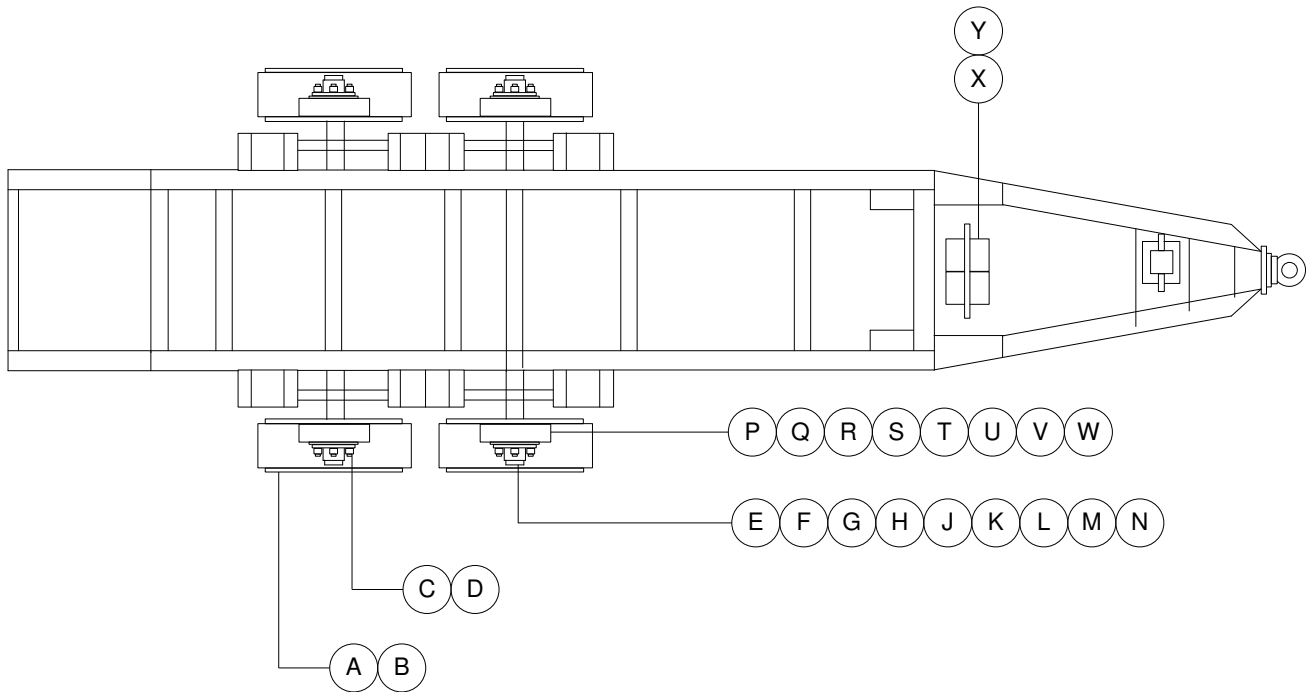
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54501796	Frame Assembly	1	
B	22186845	Bail, Lifting	1	
C	96720610	Screw	4	

High Speed Running Gear



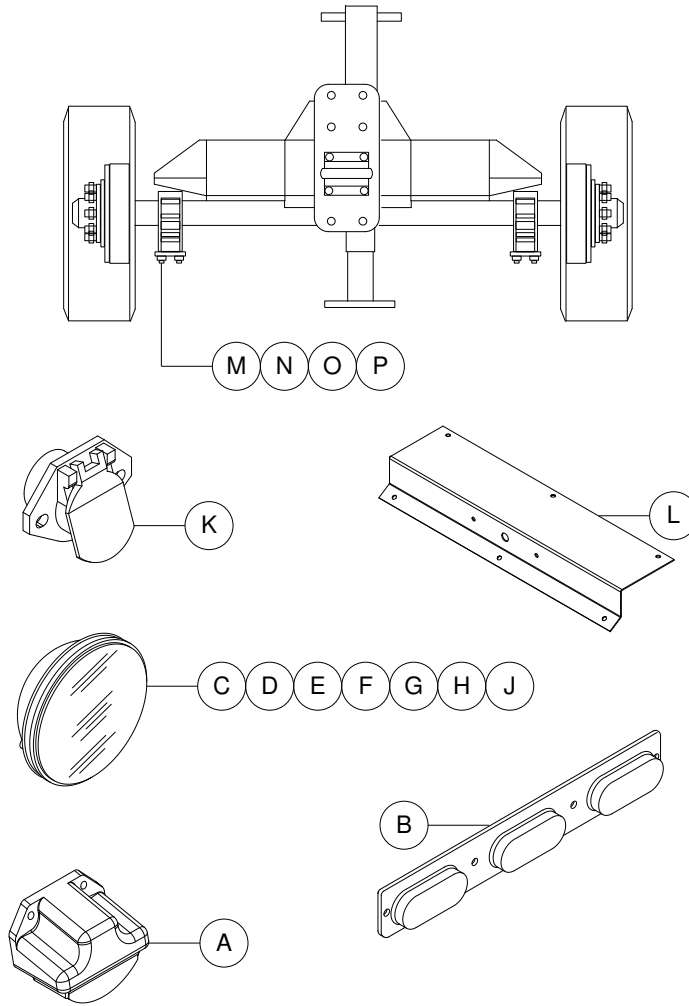
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36880235	Hanger, Rear	2	
B	36880219	Bar, Equalizer	2	
C	36880243	Bolt, Equalizer	2	
D	36880250	Locknut	2	
E	36880193	Hanger, Center	2	
F	36880284	Spring, Leaf	4	
G	36880201	Hanger, Front	2	
H	36880227	Bolt, Shackle	8	
J	35336700	Locknut	8	
K	36880136	Bolt	4	
L	95935011	Washer	4	
M	95077608	Locknut	4	
N	35144336	Screw	8	
P	36880151	Bumper, Rubber	4	
Q	36880144	Jack, Dropleg	1	
R	36880128	Eye, Pintle	1	

High Speed Running Gear



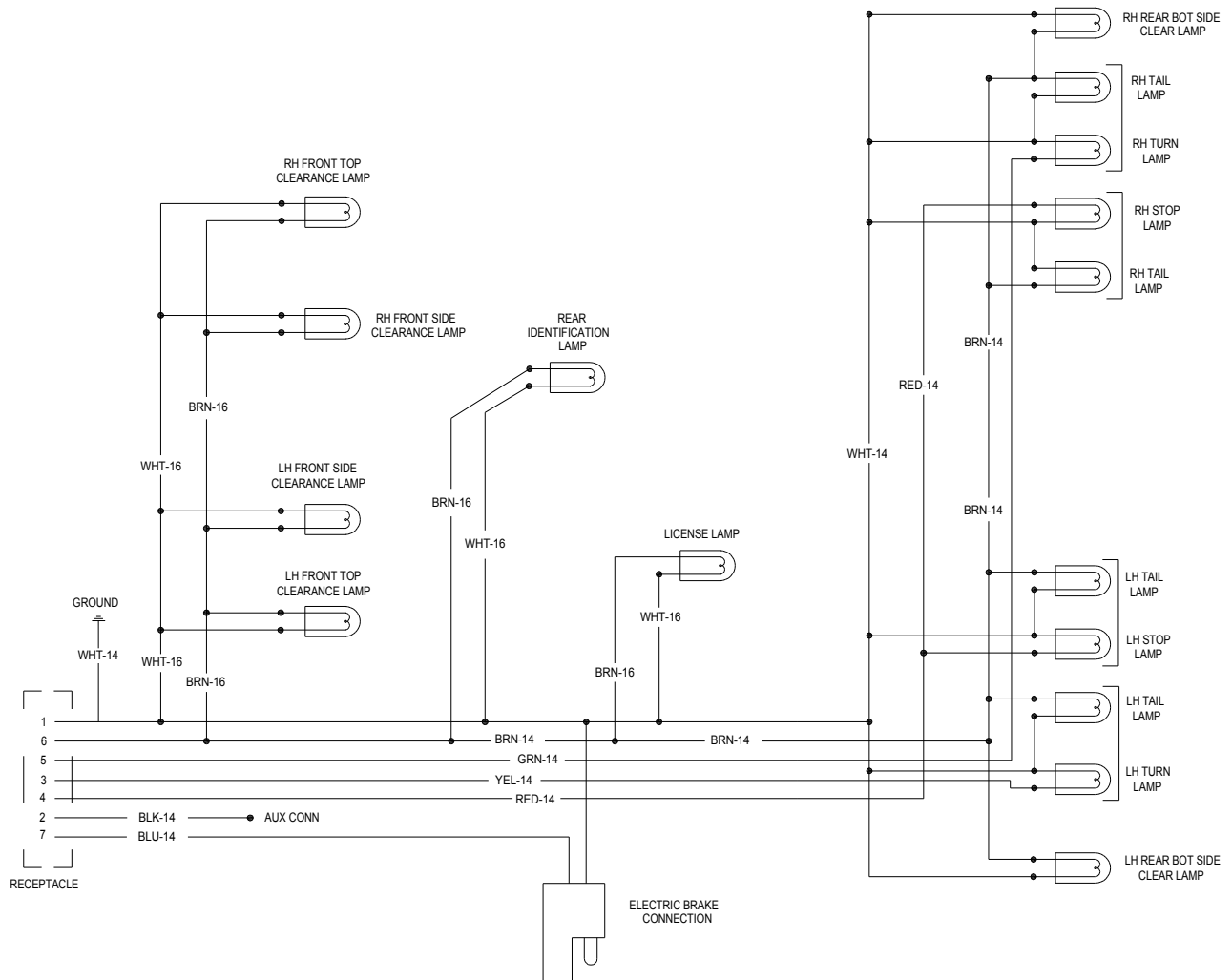
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35272150	Stud	8	
B	36880276	Nut	8	
	36853091	Nut	4	
C	36853109	Washer	2	
D	36853117	Washer, Lock	2	
E	36851624	Inner Bearing Cup	1	
F	36851616	Outer Bearing Cup	1	
G	36851608	Inner Bearing	1	
H	36851590	Outer Bearing	1	
J	36851632	Seal	1	
K	36776813	Cap, Dust	8	
L	36880268	Hub Assembly	4	
M	36880292	LH Electric Brake	2	
N	36880300	RH Electric Brake	2	
P	36880318	Shield, Bottom Dust	4	
Q	36880326	Shield, Top Dust	4	
R	36880334	Bolt	7	
S	95939955	Washer, Lock	7	
T	36880342	Locknut	7	
U	35603190	Chock, Wheel	2	
V	35333830	Strap, Rubber	2	
W	36877991	Tire	4	
X	22077515	Wheel	4	
Y	36878049	Clamp, Plate	4	

High Speed Running Gear

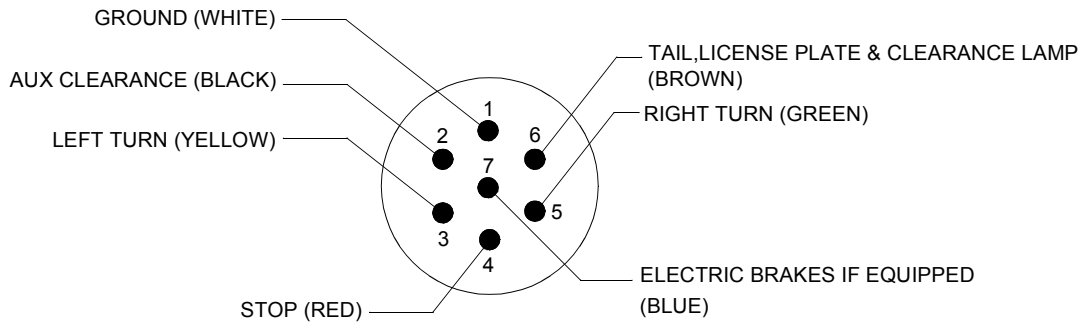


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36895860	Light, License Plate	1	
B	36922144	3 Light Assembly	1	
C	36788081	Stop, Turn and Tail Light	2	
D	36787968	Grommet (Use on Item C & E)	6	
E	36859320	Stop, Turn and Tail Light	4	
F	35367051	Yellow Light	4	
G	36893642	Grommet (Use on Item F)	2	
H	36893634	Grommet (Use on Item F)	2	
J	35367044	Red Clearance Light	4	
K	36894129	7-Way Connector	1	
L	36896306	ID Bracket	1	
M	36880169	Plate, U-Bolt	2	
N	36880177	U-Bolt	4	
P	36880185	Nut	8	
Q	95934741	Washer, Lock	8	

Fast Track Wiring



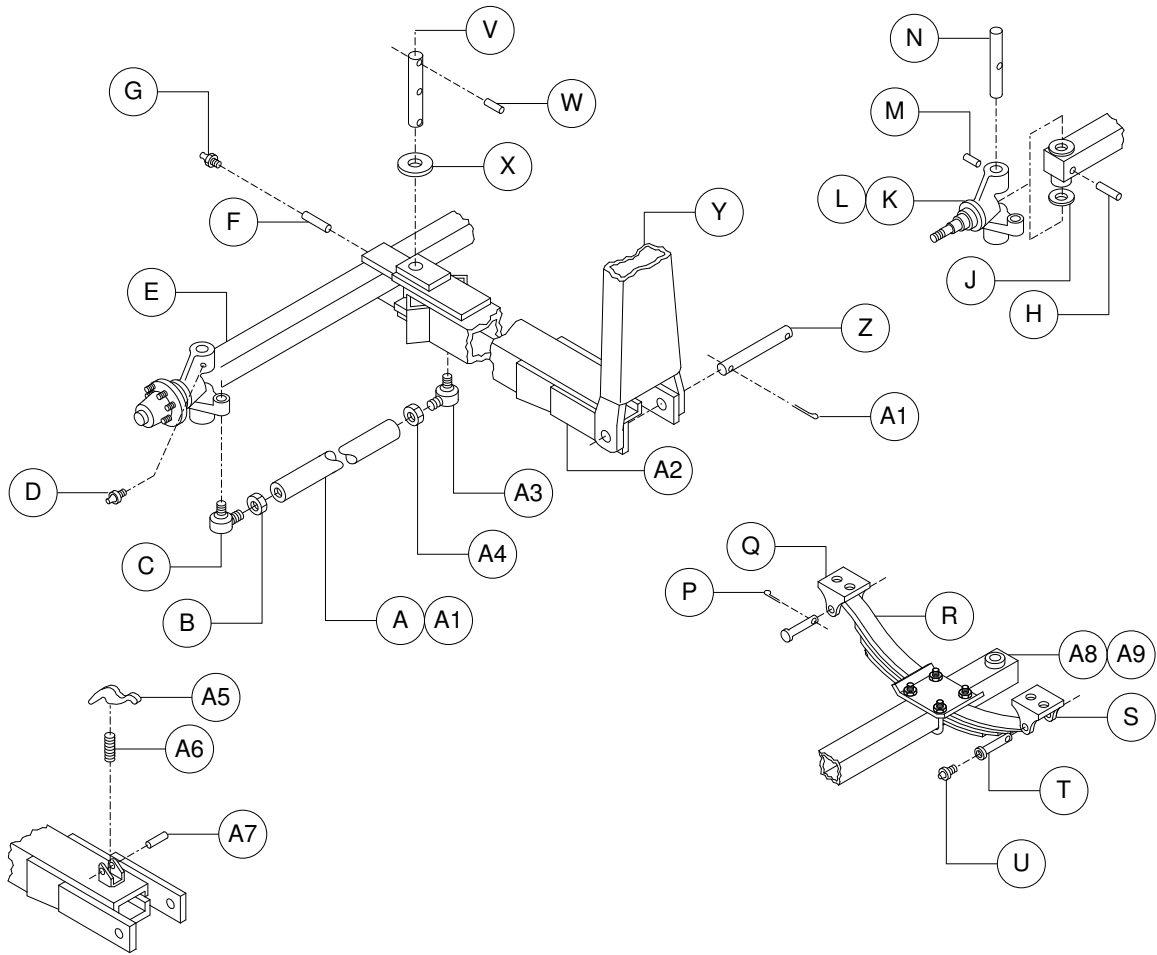
Fast Track Wiring



STOP, TAIL & TURN LIGHT OPTION
(AS VIEWED FROM REAR OF SOCKET)

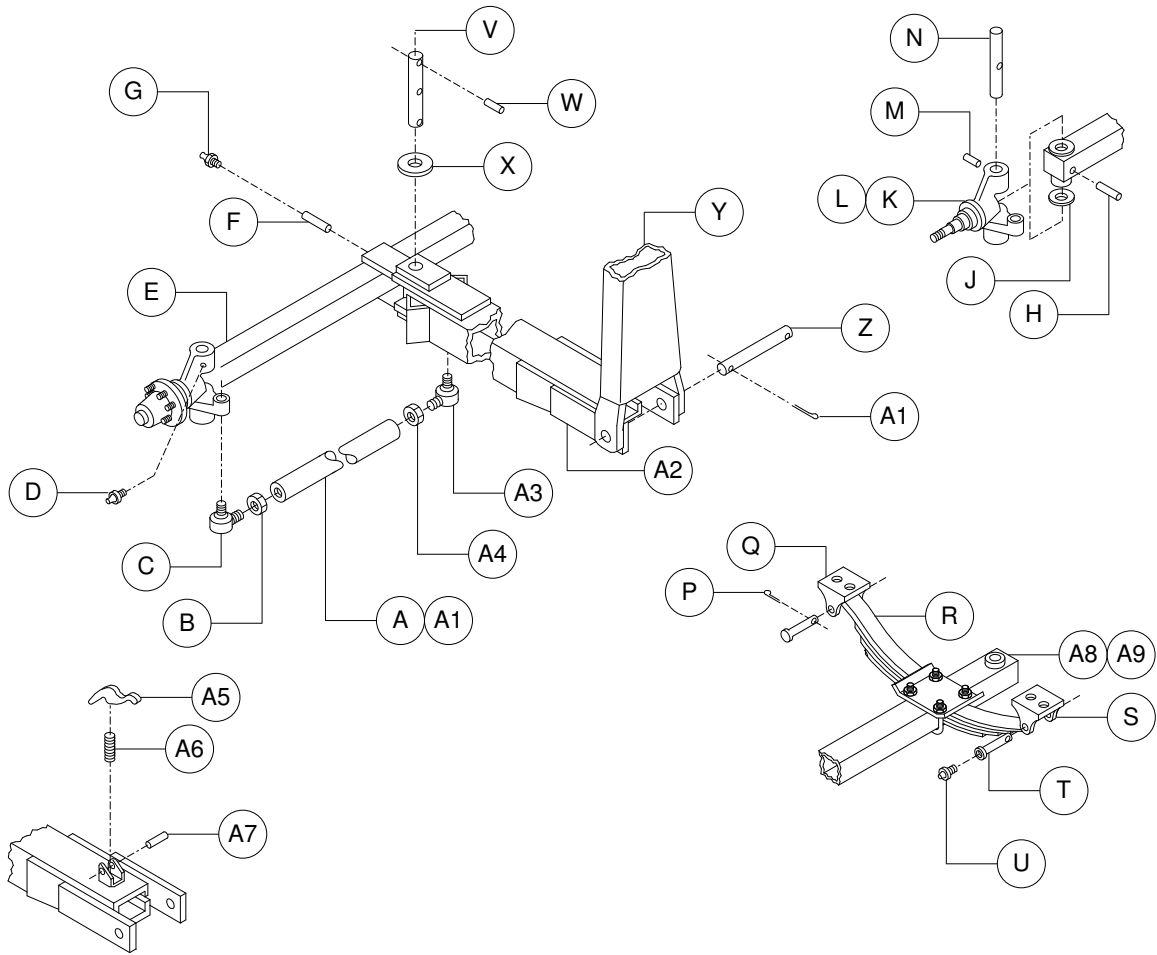
LIST OF MATERIALS									
CKT	TERMINATION A	TYPE	SIZE	TERMINATION B	TYPE	SIZE	GAUGE	LENGTH	COLOR
1	RECEPTACLE 1	E		GROUND	A	1/4	14	46	WHT
2	RECEPTACLE 6	E		SPLICE 1	D		14	24	BRN
3	SPLICE 1			LH FRT CLEARANCE	B		14	95	BRN
4	LH FRT CLEAR W/CKT 3B			RH FRT CLEARANCE	B		14	89	BRN
5	SPLICE 1 W/CKT 3A			SPLICE 2	D		14	218	BRN
6	RECEPTACLE 3	E		RH TURN	G		14	342	YEL
7	RECEPTACLE 5	E		LH TURN	G		14	255	GRN
8									
9									
10	RH TURN/TAIL W/CKT 27B			RH REAR CLEAR BOT	B		14	22	BRN
11									
12	SPLICE 2			LH REAR CLEARANCE	B		14	19	BRN
13	LH REAR CLEAR W/CKT 12B			LH REAR TOP CLEAR	B		14	74	BRN
14	LH REAR TOP CLEAR W/CKT 13B			REAR ID W/CKT 15A	B		14	61	BRN
15	R ID W/CKT 14B			RH REAR TOP CLEAR	B		14	56	BRN
16	SPLICE 2 W/CKT 12A			LICENSE LAMP	B		14	31	BRN
17	SPLICE 2 W/CKT 12A			LH TURN/TAIL	G		14	13	BRN
18	RECEPTACLE 4	E		LH STOP LAMP	G		14	261	RED
19	LIGHT GRD W/CKT 24A			LIGHT GROUND			14	36	WHT
20	LEFT STOP LAMP W/CKT 18B			RIGHT STOP LAMP	G		14	99	RED
21	RECEPTACLE 7	E		ELECTRIC BRAKES			14	29	BLU
22	LEFT TURN GRD			LH ST/GRD W/CKT 23A	G		14	30	WHT
23	LEFT STOP GRD			RT ST/GRD W/CKT 24A	G		14	99	WHT
24	RIGHT STOP GRD			RH TURN GRD	G		14	30	WHT
25	LH TURN/TAIL W/CKT 17B			LEFT STOP/TAIL	G		14	30	BRN
26	LH STOP/TAIL W/CKT 25B			RIGHT STOP/TAIL	G		14	99	BRN
27	RH STOP/TAIL W/CKT 26B			RIGHT TURN/TAIL	G		14	30	BRN
28	RECEPTACLE 2	E		AUX	B		14	29	BLK

Wagon Wheel Running Gear



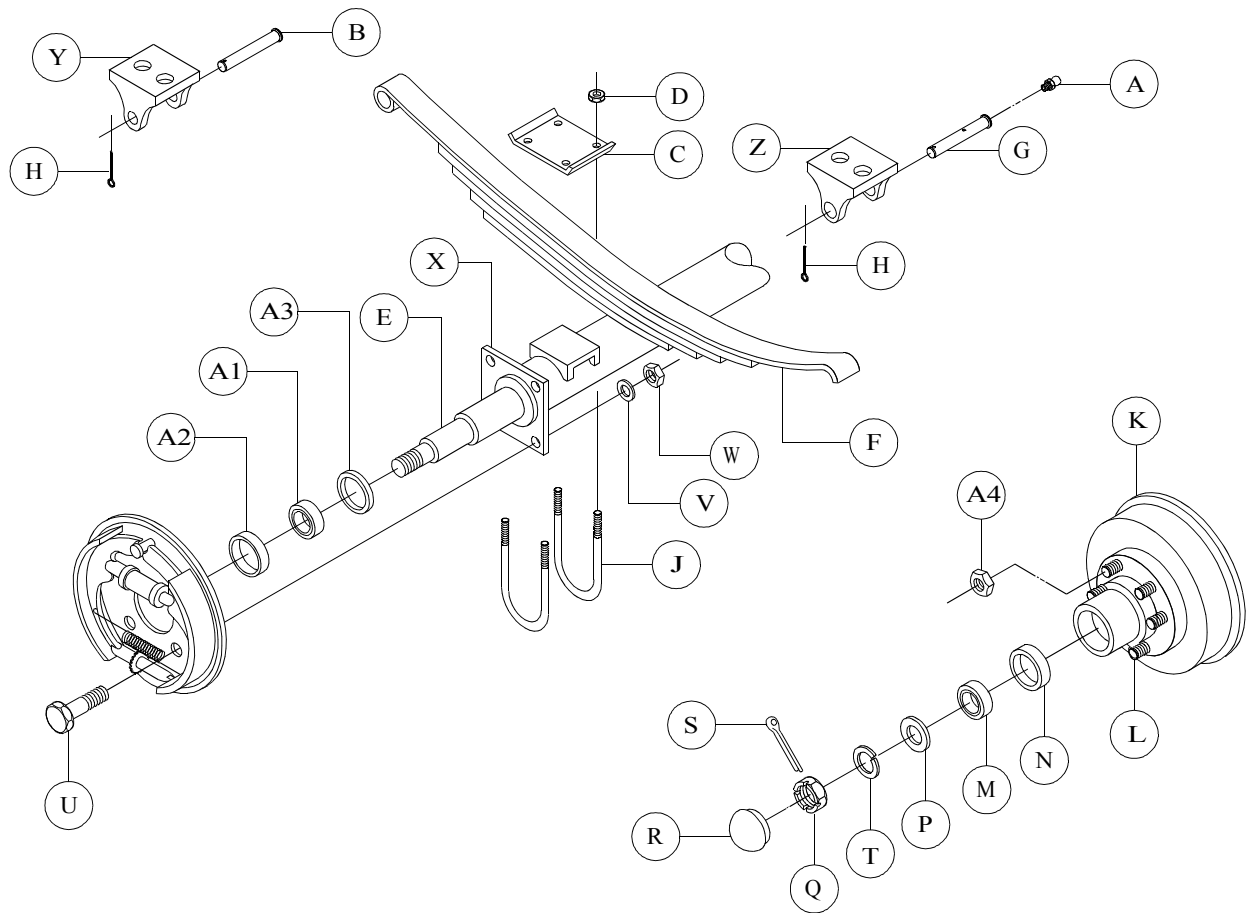
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36504389	Rod, Tie	2	
B	36140730	Nut, Jam	2	
C	35588961	Ball Joint, Outer	2	
D	35221894	Fitting, Lube	2	
E	36753259	Axle, Front	1	
F	95717369	Pin, Roll	1	
G	35221894	Fitting, Lube	1	
H	95338554	Pin, Roll	2	
J	95239927	Washer	4	
K	36851566	LH Knuckle Assembly	1	
L	36851574	RH Knuckle Assembly	1	
M	95673042	Pin, Roll	2	
N	35319045	Pin, King	2	
P	95018982	Pin, Cotter	2	
Q	36719169	Bracket	2	
R	36719466	Spring	2	
S	36719177	Bracket	2	
T	35111590	Bolt, Shackle	2	Continued.....

Wagon Wheel Running Gear



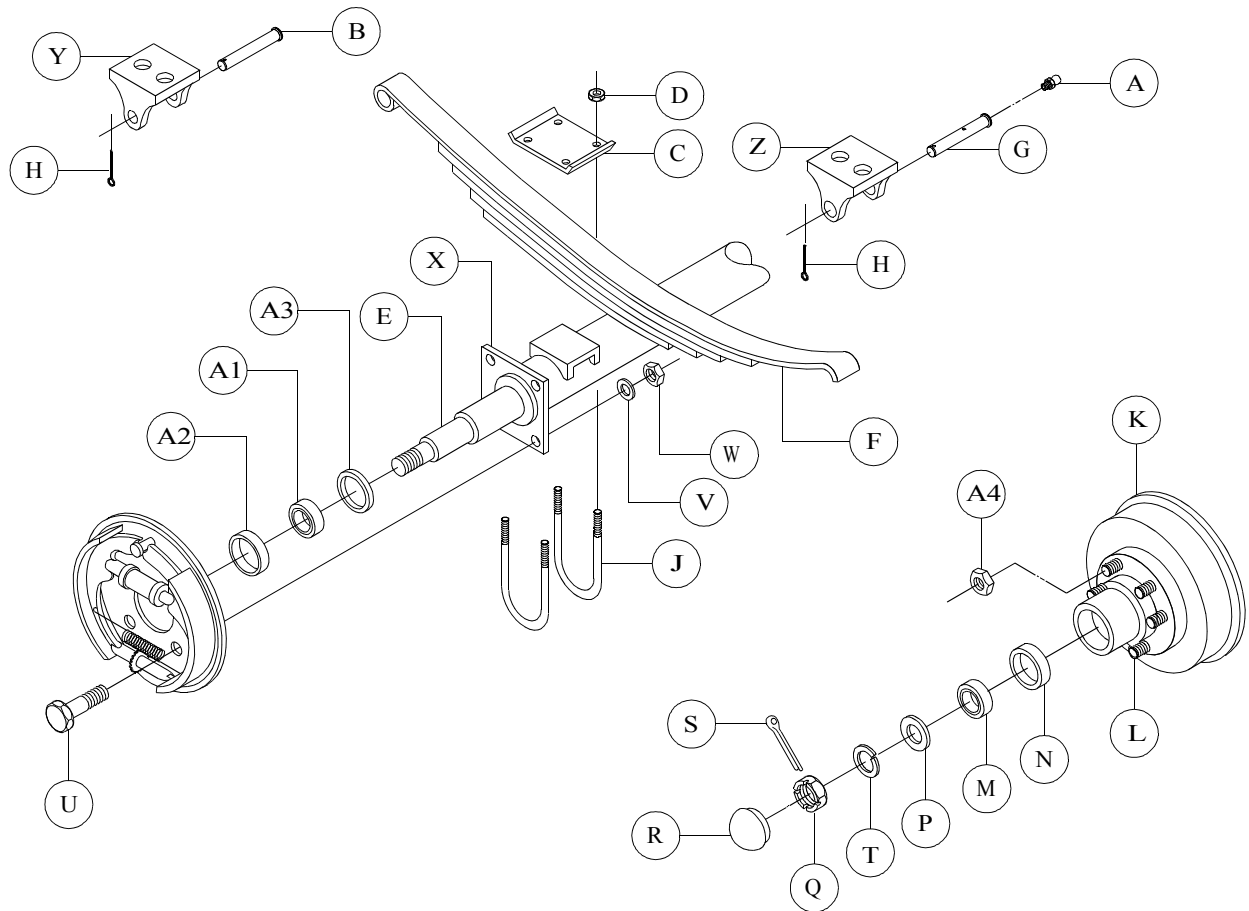
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
U	95318556	Fitting, Lube	2	Continued
V	35588755	Pin, Center	1	
W	95717377	Pin, Roll	2	
X	95934956	Washer	2	
Y	36719557	Drawbar	1	
Z	35107168	Pin, Hinge	1	
A1	95201455	Pin, Cotter	2	
A2	36753242	Arm, Center	1	
A3	35588953	Balljoint, Inner	2	
A4	35140722	Nut, Jam	2	
A5	36719219	Latch	1	
A6	35141167	Spring	1	
A7	95098703	Pin, Roll	2	
A8	36851376	Front Axle Assembly	1	
A9	36851384	Rear Axle Assembly	1	
B1	36853042	Tie Rod Assy. (Includes A, B, C, A3, A4)	2	
	22077515	Wheel	4	
	36877991	Tire	4	
	36878049	Ring, Clamp	4	

Wagon Wheel Running Gear



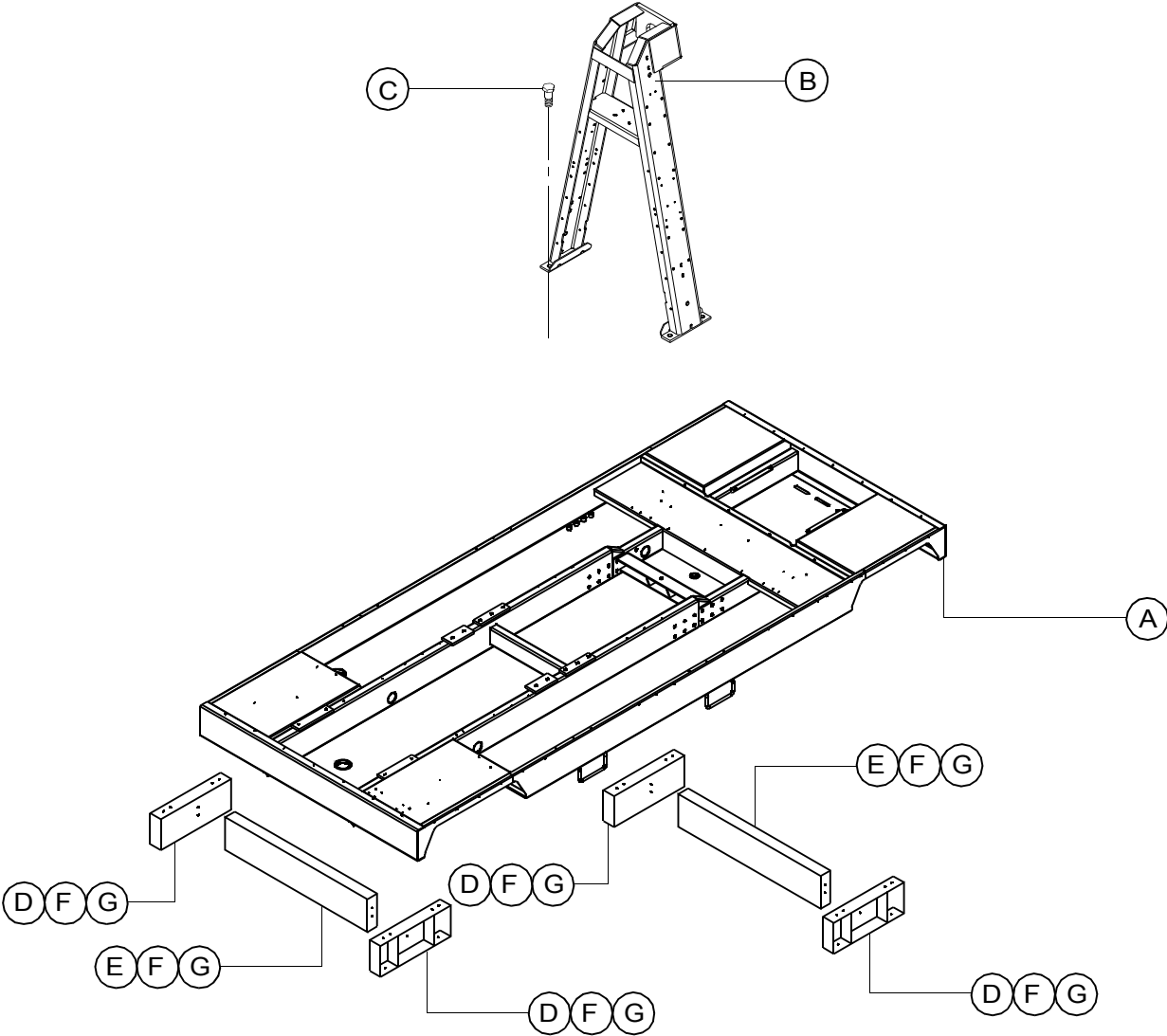
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95318556	Fitting, Lube	2	
B	35588839	Rivet	2	
C	35589241	Plate, Clamp	2	
D	35111566	Nut	8	
E	36851640	Axle, Rear	1	
F	36719466	Spring	2	
G	35111590	Bolt Shackle	2	
H	95018982	Pin, Cotter	2	
J	35834621	U-Bolt	4	
K	36851665	Hub Assembly (Includes Items N, L, A2)	2	
L	36764983	Stud	8	
M	36851590	Outer Bearing	2	
N	36851616	Outer Race	2	
P	36853109	Washer, Flat	2	
Q	36853091	Nut	2	
R	36776813	Pin, Cotter	2	
S	95272902	Cap, Grease	2	
T	36853117	Washer, Lock	2	Continued.....

Wagon Wheel Running Gear



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
U	36A2D326Z1	Bolt	8	 <i>Continued</i>
V	95934741	Washer, Flat	8	
W	95916573	Nut	8	
X	36776839	Flange, Brake Mounting	2	
Y	36719177	Bracket	2	
Z	36719169	Bracket	2	
A1	36851608	Inner Bearing	2	
A2	36851624	Inner Race	2	
A3	36851632	Seal	2	
A4	36776821	Nut, Stud	8	

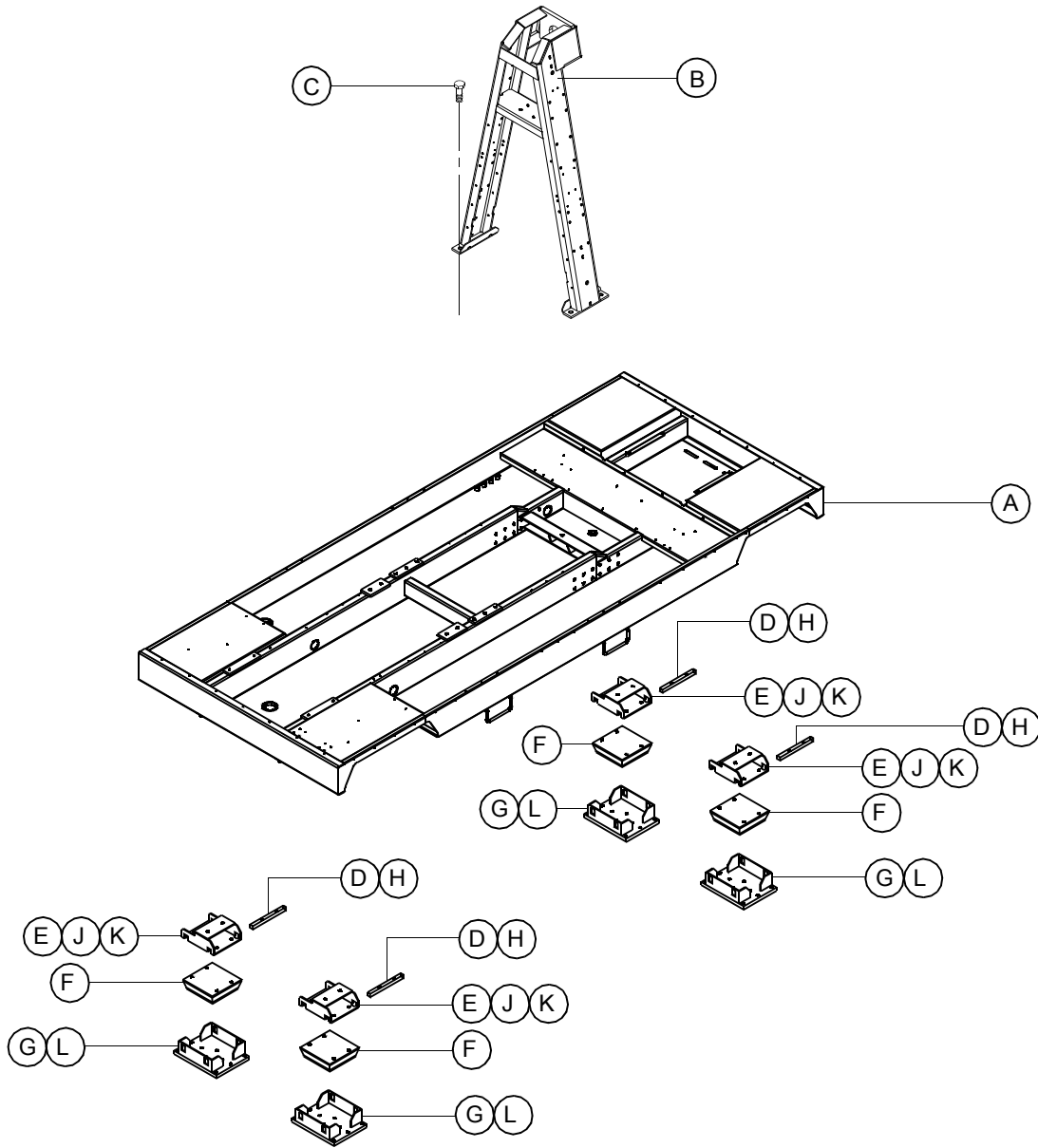
LRG Pedestal Mount on Wagon Wheel Frame Assembly



22742951_005_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54501796	Frame Assembly	1	
B	22186845	Bail, Lifting	1	
C	96700901	Screw	6	
D	22051304	Support, LRG	4	
E	22053706	Crossmember, LRG	2	
F	39179072	Screw, M16 X 50	24	
G	96701750	Nut, M16	24	

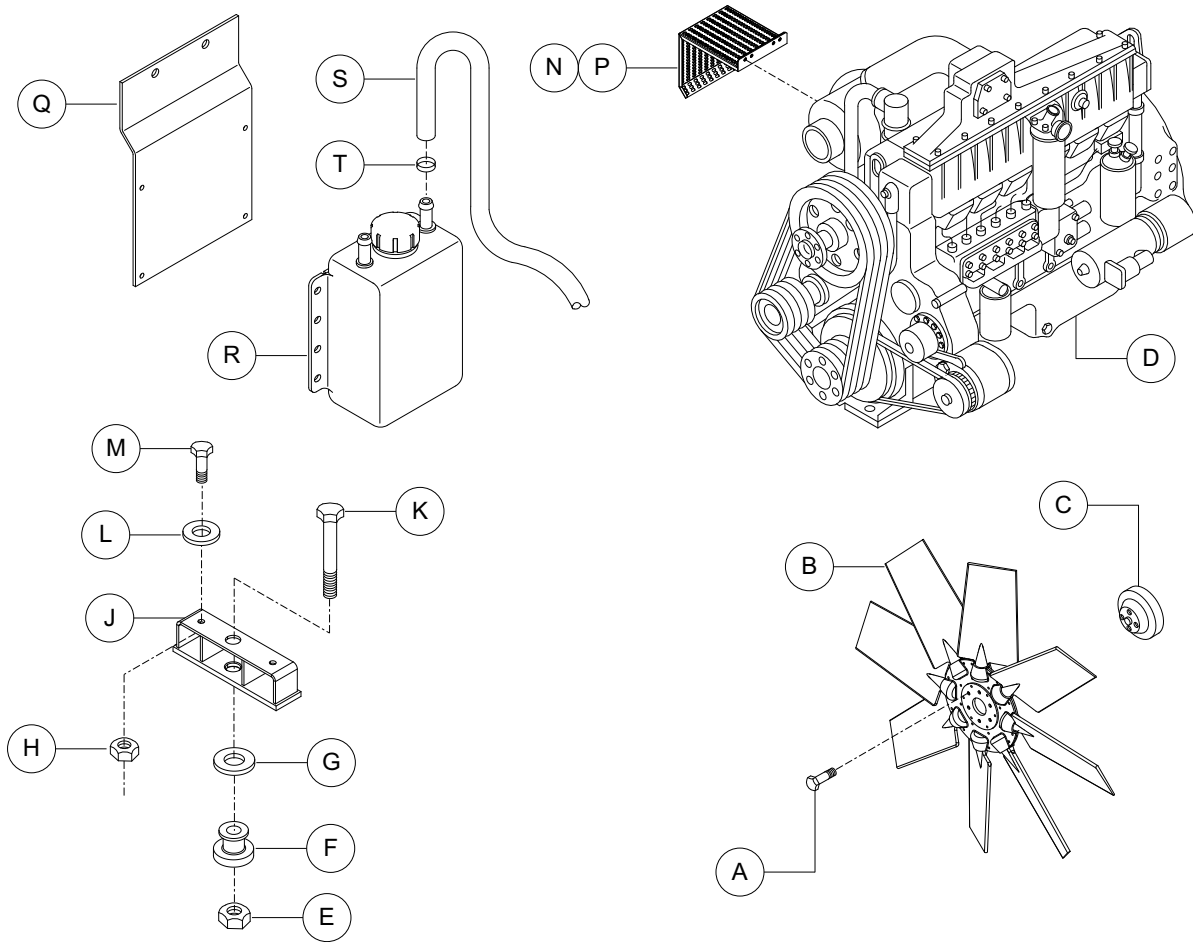
LRG Shock Mount on Wagon Wheel Frame Assembly



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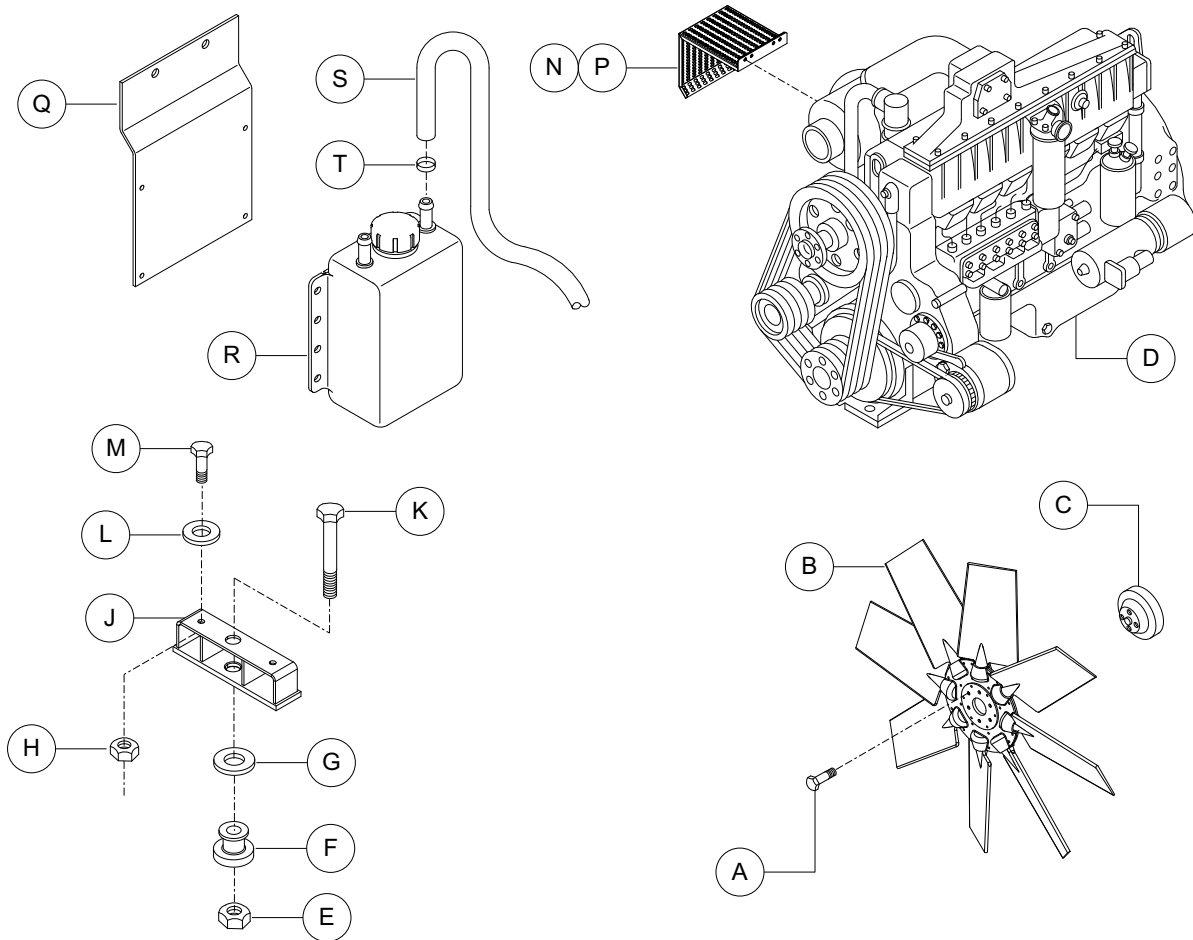
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54501796	Frame Assembly	1	
B	22186845	Bail, Lifting	1	
C	96700901	Screw	6	
D	22112171	Bar, Shock Mount Rest	8	
E	22110761	Support, Upper Shock Mount	4	
F	36847002	Isolator, Shear Mount	4	
G	22110753	Support, Lower Shock Mount	4	
H	95994877	Screw, Hex 1/2-20 X 2.0	16	
J	39179072	Bolt, M16 X 50	8	
K	96701750	Nut, M16	8	
L	95954079	Screw, Hex 1/2-20 X 1.0	16	

Engine Assembly



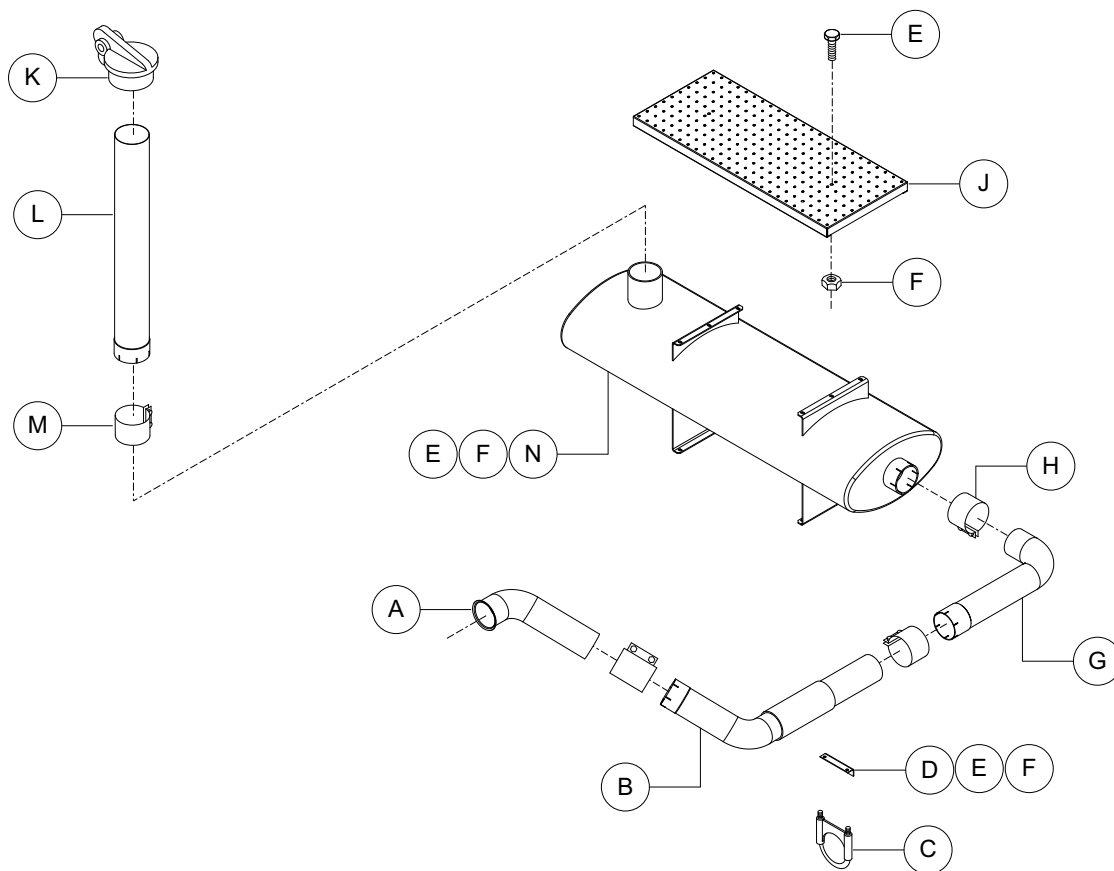
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95940920	Screw	6	Continued.....
B	36884047	Fan Assembly	1	
C	54409339	Spacer, Fan	1	
D	54661533	Engine, QSX-15 Cummins - Tier 2	1	
	22648414	Engine, QSX-15-C600 Cummins - Tier 3	1	
E	95923363	Nut	1	
F	35584556	Mount, Rubber	1	
G	35273937	Washer	1	
H	35297340	Nut	2	
J	54570122	Bracket, Engine	1	
K	95934253	Screw	1	
L	95935011	Washer	2	
M	36763670	Screw	2	
N	54687322	Guard, Turbo	1	
P	36879492	Screw	2	

Engine Assembly



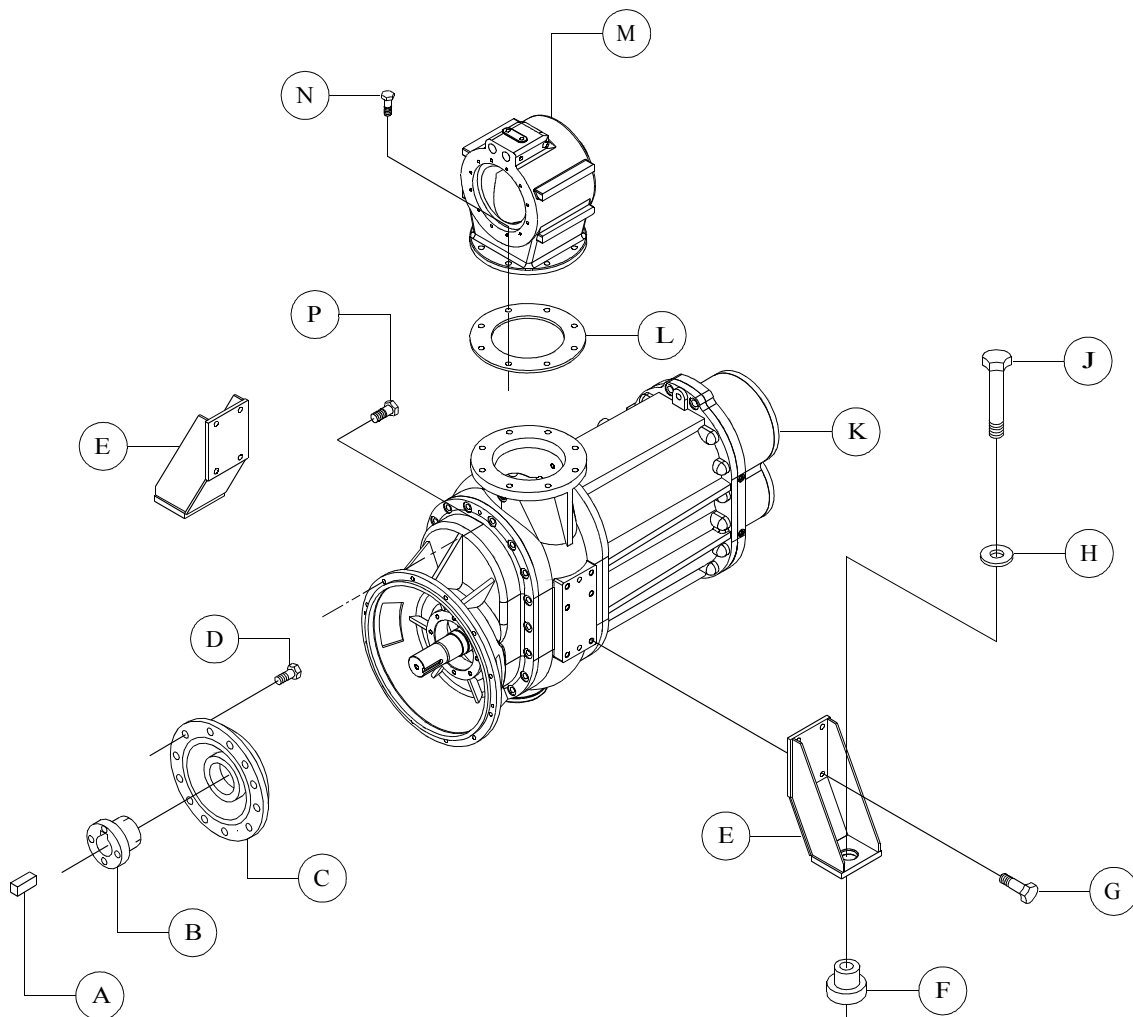
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Q	22524508	Bracket, Overflow	1	 <i>Continued</i>
R	36845600	Bottle, Overflow		
S	35360775	Hose		
T	95220844	Clamp		
	36870608	Sender, Pressure (RH Side of Engine)	1	
	36841138	Sender, Temp. (Side of Water Pump in Bushing)	1	
		Engine Filters		
	54662036	Engine Fuel Filter	1	
	54662028	Engine Oil Filter	1	
	54662051	Engine Water Separator Filter	1	
	22065916	Alternator Belt	1	
	22765374	Engine Belt	1	

Exhaust Assembly



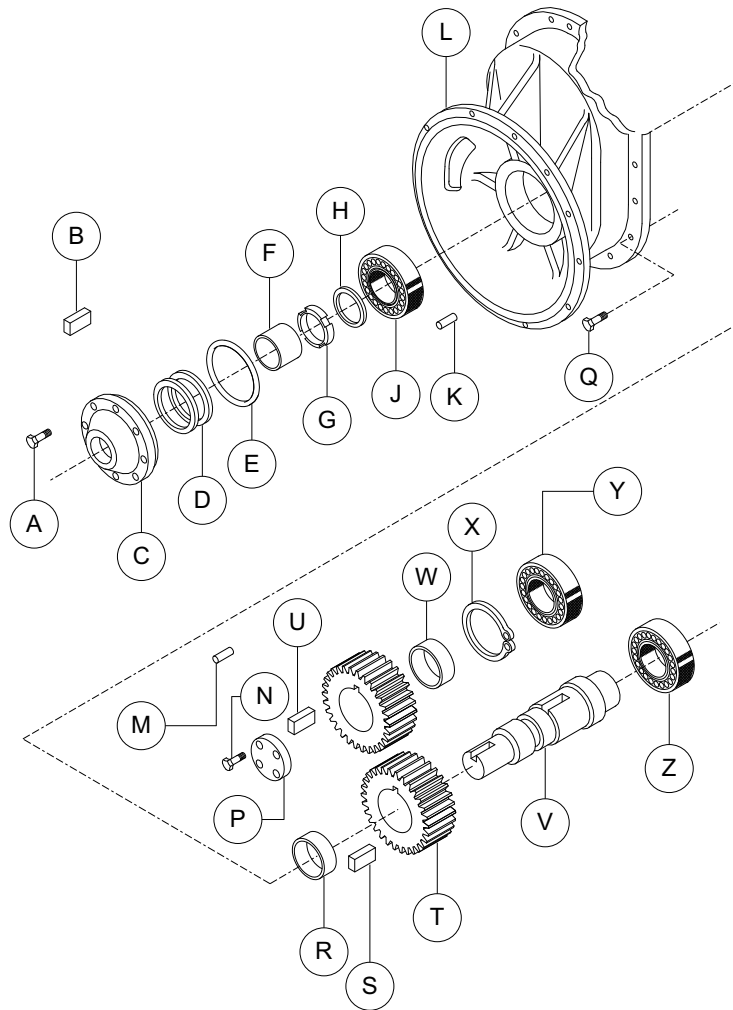
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54603774	Pipe, Engine Turbo	1	
B	54616552	Pipe, Exhaust (Standard)	1	
	54738752	Pipe, Exhaust (IQ)	1	
C	35127653	Clamp	1	
D	35611235	Support, Pipe	1	
E	36880995	Screw	12	
F	36879195	Nut	12	
G	54616560	Pipe, Exhaust	1	
H	35307131	Clamp, Seal	3	
J	54629589	Step	1	
K	35851351	Cap, Rain	1	
L	54629126	Pipe, Exhaust	1	
M	36799807	Clamp, Seal	1	
N	54603204	Muffler	1	
	54662010	Wrap, Exhaust	1	
	54721105	Kit, Wrap Wire Kit	1	

285 Air End Complete



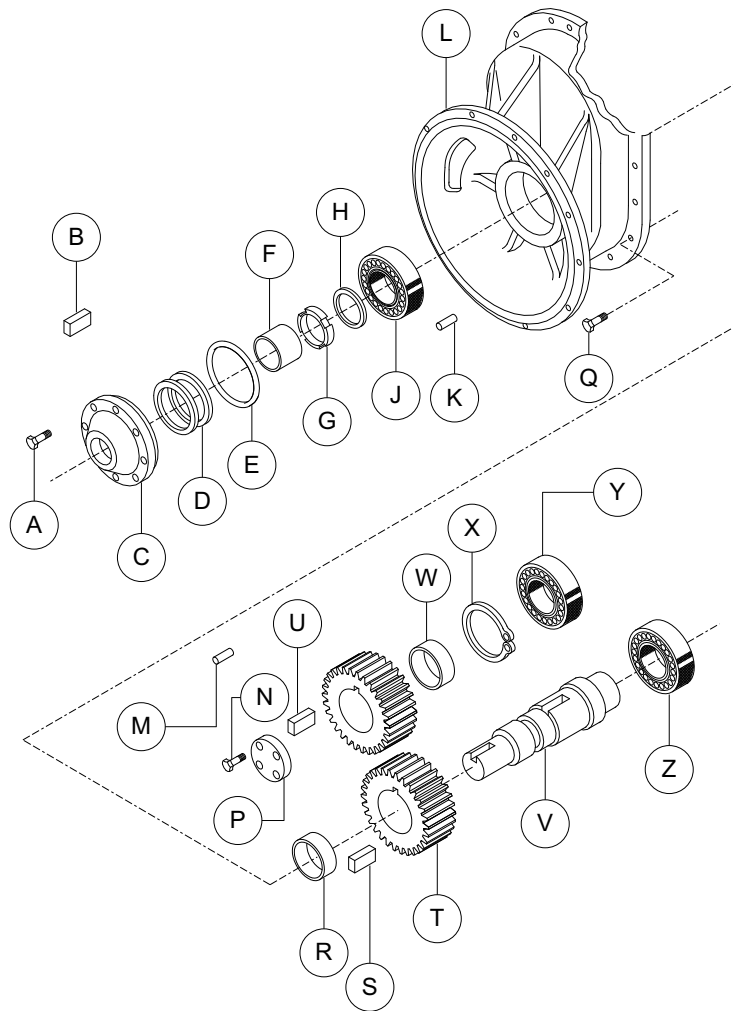
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35367069	Key, Bushing	1	
B	35307784	Bushing	1	
C	54540141	Coupling	1	
D	95941092	Screw	12	
E	54542535	Bracket, Air End	2	
F	35584556	Mount, Rubber	2	
G	35375385	Screw	8	
H	35273937	Washer	2	
J	96700919	Screw	2	
K	42469809	Air End Assembly	1	
L	36754059	Gasket	1	
M	36729531	Unloader Assembly	1	
N	35375377	Screw	8	
P	95934626	Screw	12	

285 Air End Complete



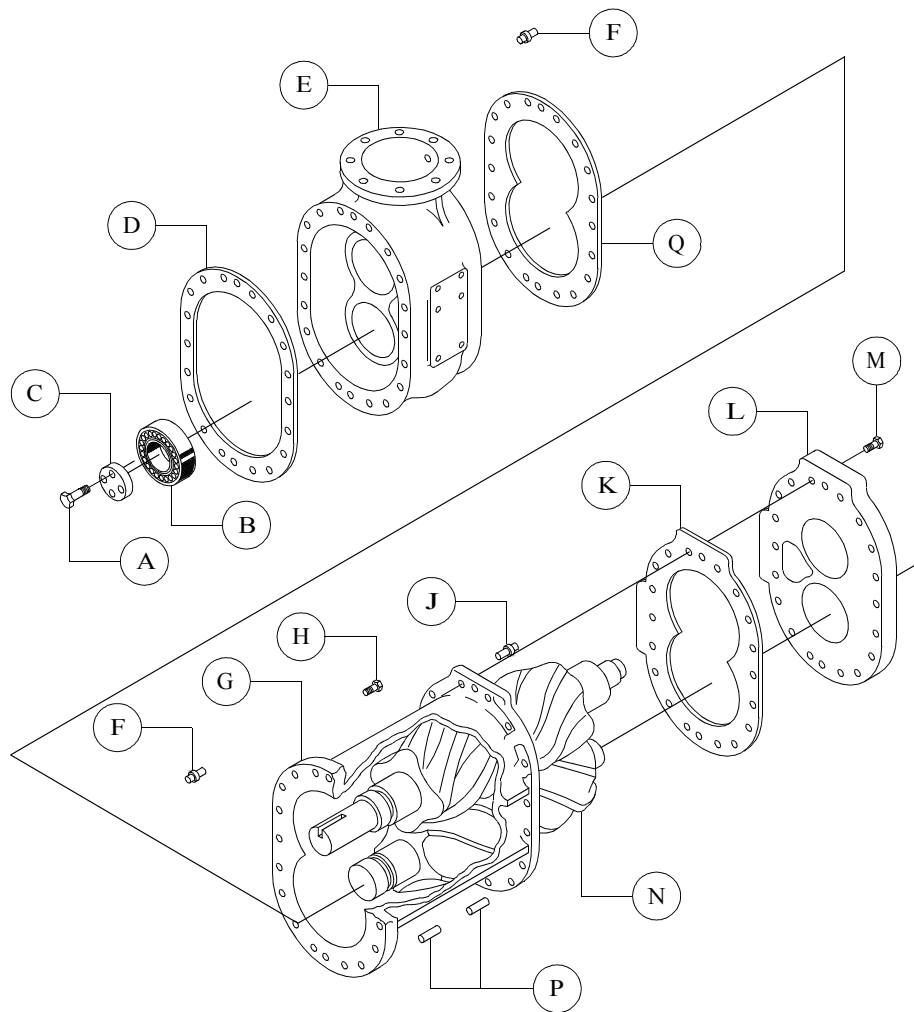
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96706080	Screw	8	Continued.....
B	35367069	Key	1	
C	35849348	Cover	1	
D	39927512	Shim (1.016mm)	1	
	39927520	Shim (1.016mm)	1	
	39927538	Shim (1.016mm)	1	
	39927546	Shim (1.016mm)	6	
E	95358214	O-Ring	1	
F	35596626	Seal	1	
G	35299775	Locknut	1	
H	35300227	Spacer	1	
J	35605203	Bearing	1	
K	35365261	Pin	1	
L	36711083	Gear Case	1	
M	35295336	Dowel	1	
N	35299569	Screw	4	
P	35300177	Plate, Clamp	1	

285 Air End Complete



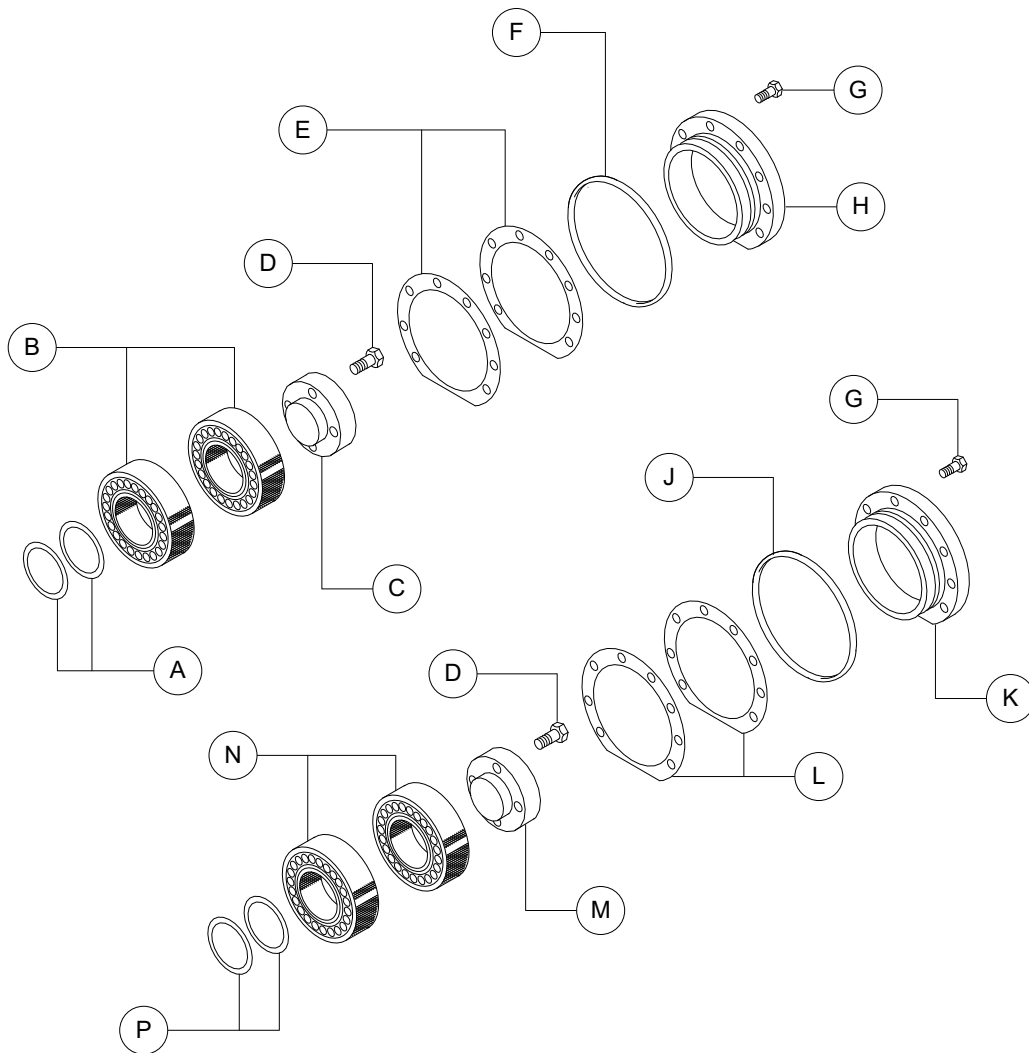
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Q	96706262	Screw	18	 <i>Continued</i>
R	35300227	Spacer	1	
S	35300136	Key	1	
T	35298470	Gear Set, HP-1300	1	
	36758142	Gear Set, HP-1600	1	
U	35300144	Key	1	
V	35851195	Shaft	1	
W	35610286	Spacer	1	
X	95285599	Retaining Ring	1	
Y	35610591	Bearing	1	
Z	35605203	Bearing	1	

285 Air End Complete



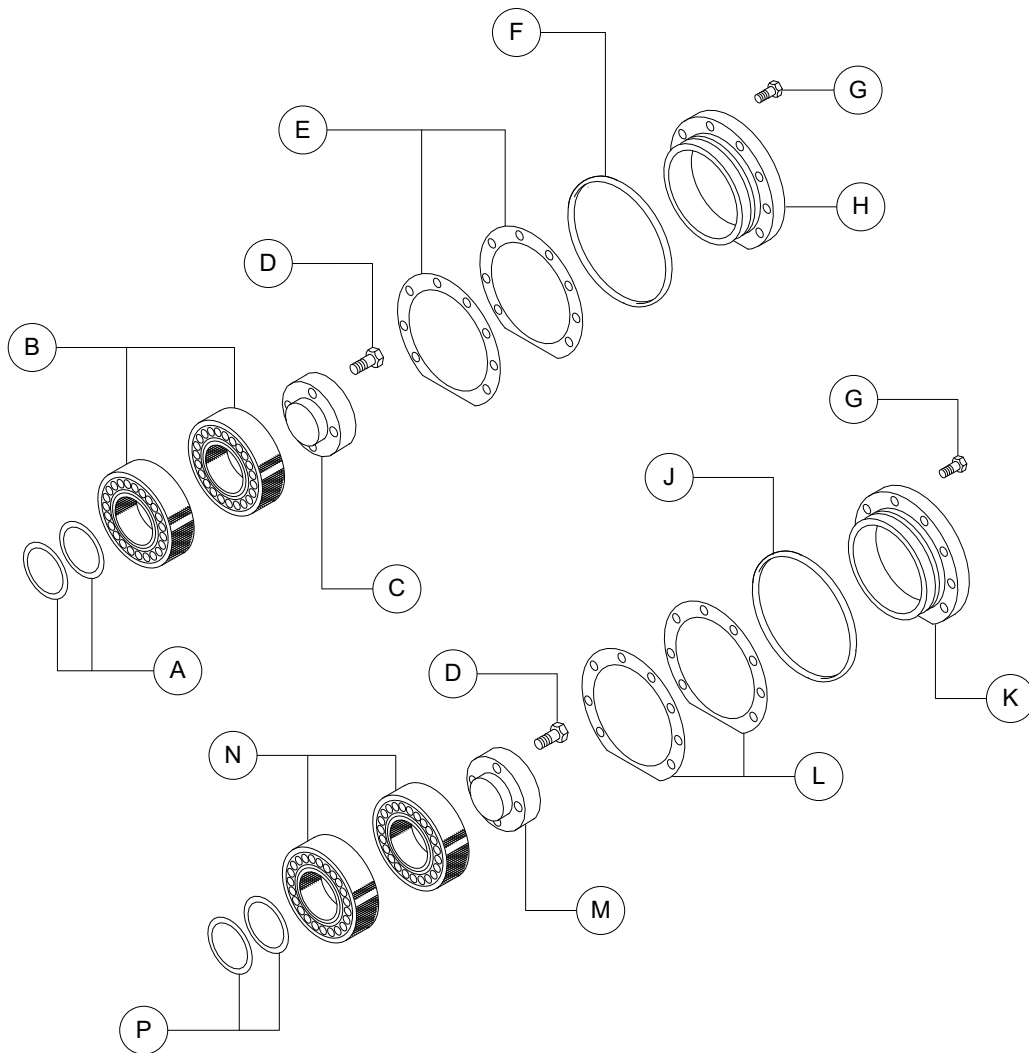
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35293869	Screw	4	
B	39926787	Bearing	1	
C	35373877	Plate, Clamp	1	
D	35820646	Gasket	1	
E	36754141	Housing, Front Bearing	1	
F	35365279	Pin	2	
G	54363536	Housing, Rotor	1	
H	96706262	Screw	20	
J	35365279	Dowel	1	
K	35820661	Gasket	1	
L	36856060	Housing, Rear Bearing	1	
M	39101472	Screw	4	
	35299767	Screw	12	
N	42469676	Rotor Set	1	
P	35295336	Dowel	2	
Q	35820653	Gasket	1	

285 Air End Complete



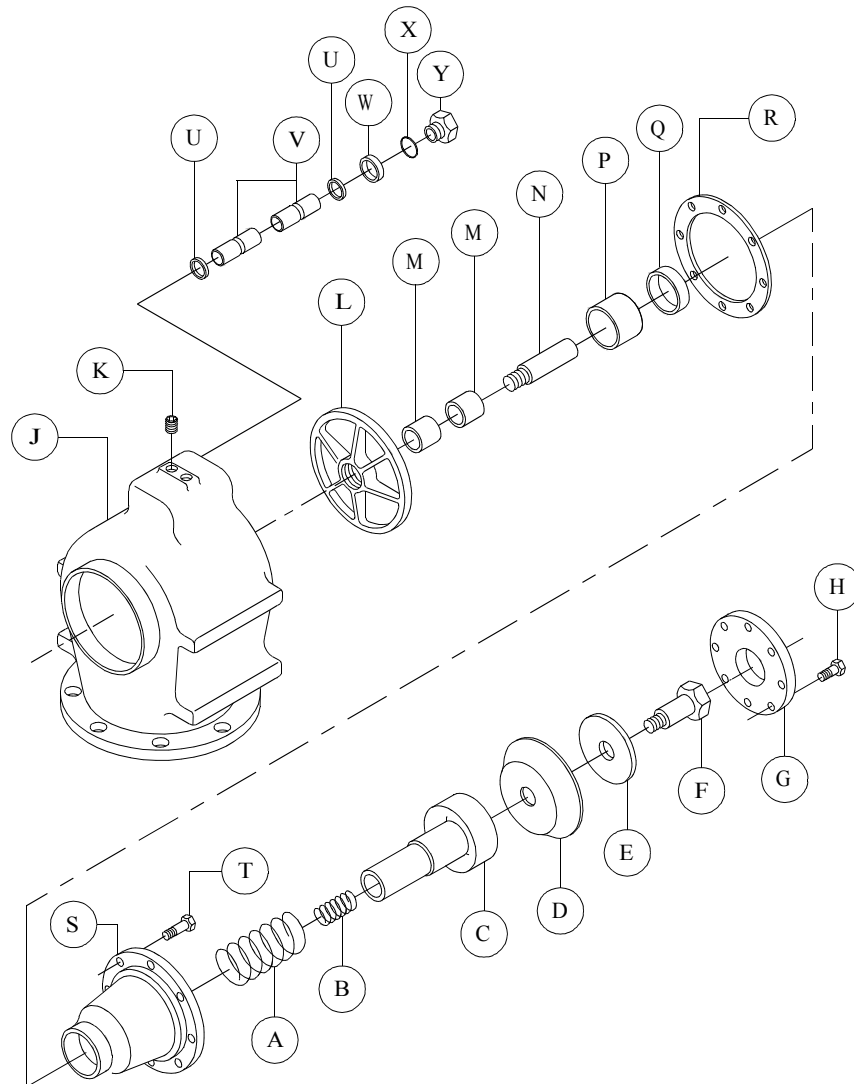
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	39927496	Shim	6	
B	35299403	Bearing	2	
C	35610278	Plate, Clamp	1	
D	35299569	Screw	4	
E	39927058	Shim (.051mm)	3	
	95358446	Shim (.076mm)	3	
	35321520	Shim (.254mm)	3	
F	95352944	O-Ring	1	
G	96716162	Screw	8	
H	36504330	Cap	1	
J	95603130	O-Ring	1	
K	36504355	Cap	1	
L	39926902	Shim (.051mm)	3	
	39926910	Shim (.076mm)	3	
	39926928	Shim (.254mm)	3	
				Continued.....

285 Air End Complete



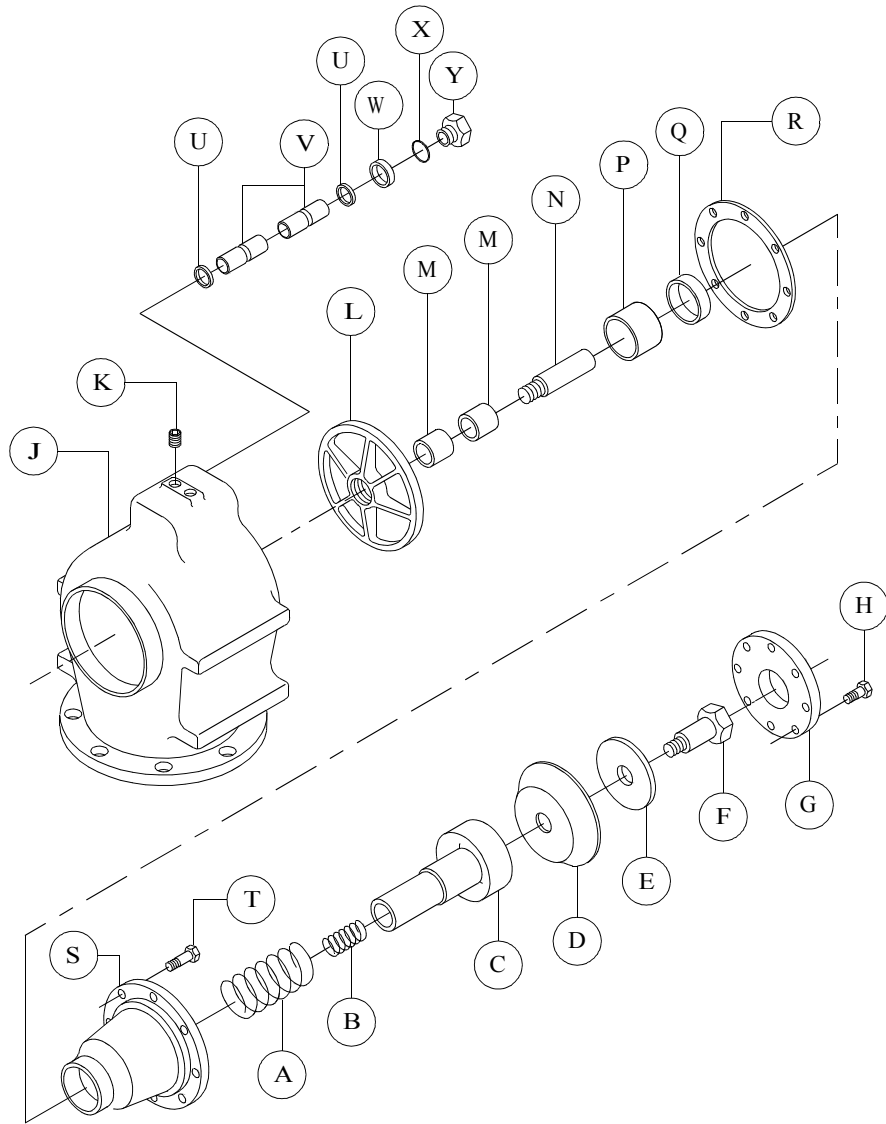
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	35606920	Plate, Clamp	1	 <i>Continued</i>
N	35299429	Bearing	2	
P	39927504	Shim (.051mm)	5	

Unloader Assembly



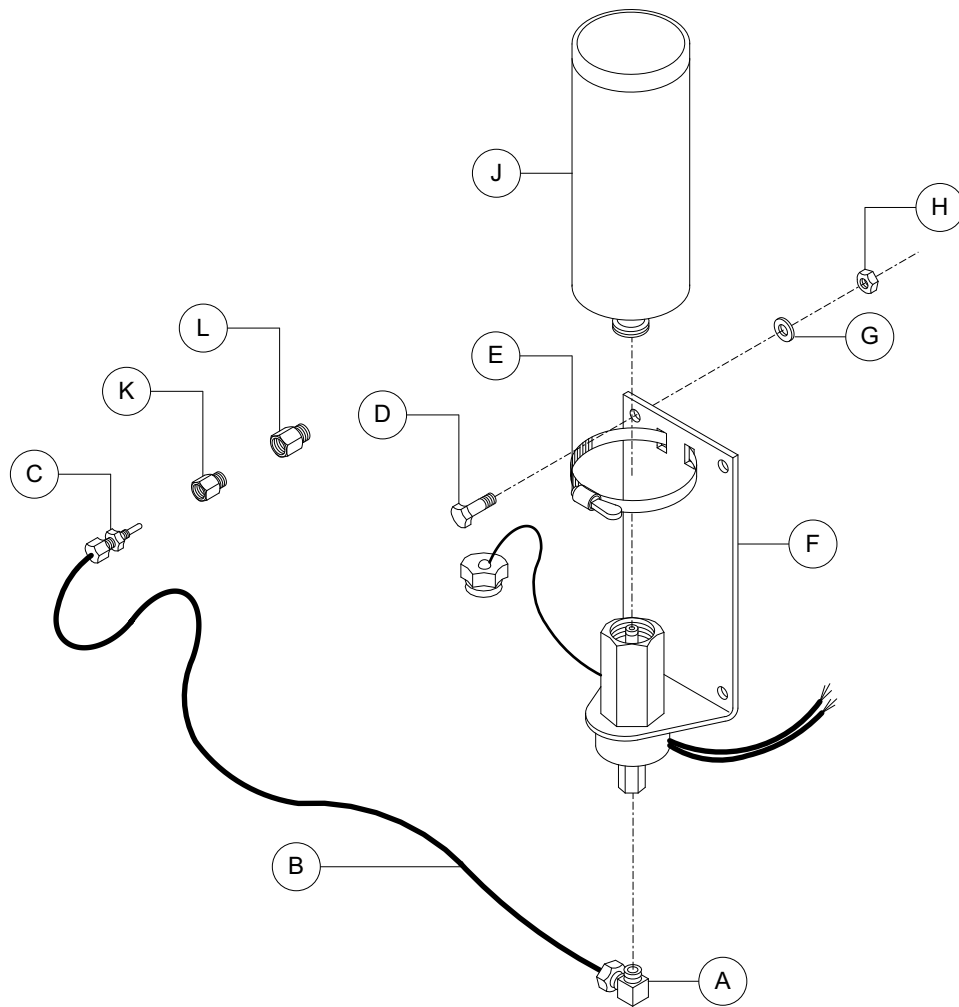
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35594878	Spring, Piston	1	Continued.....
B	35594910	Spring, Valve	1	
C	35594829	Piston	1	
D	35594837	Diaphragm	1	
E	35332618	Washer, Piston	1	
F	95104147	Screw	1	
G	35594811	Cover, Piston	1	
H	96702659	Screw	8	
J	36729416	Body, Unloader	1	
K	95928222	Plug	1	
L	35594860	Valve, Unloader	1	
M	35332659	Bushing	2	
N	35332675	Stem, Valve	1	

Unloader Assembly



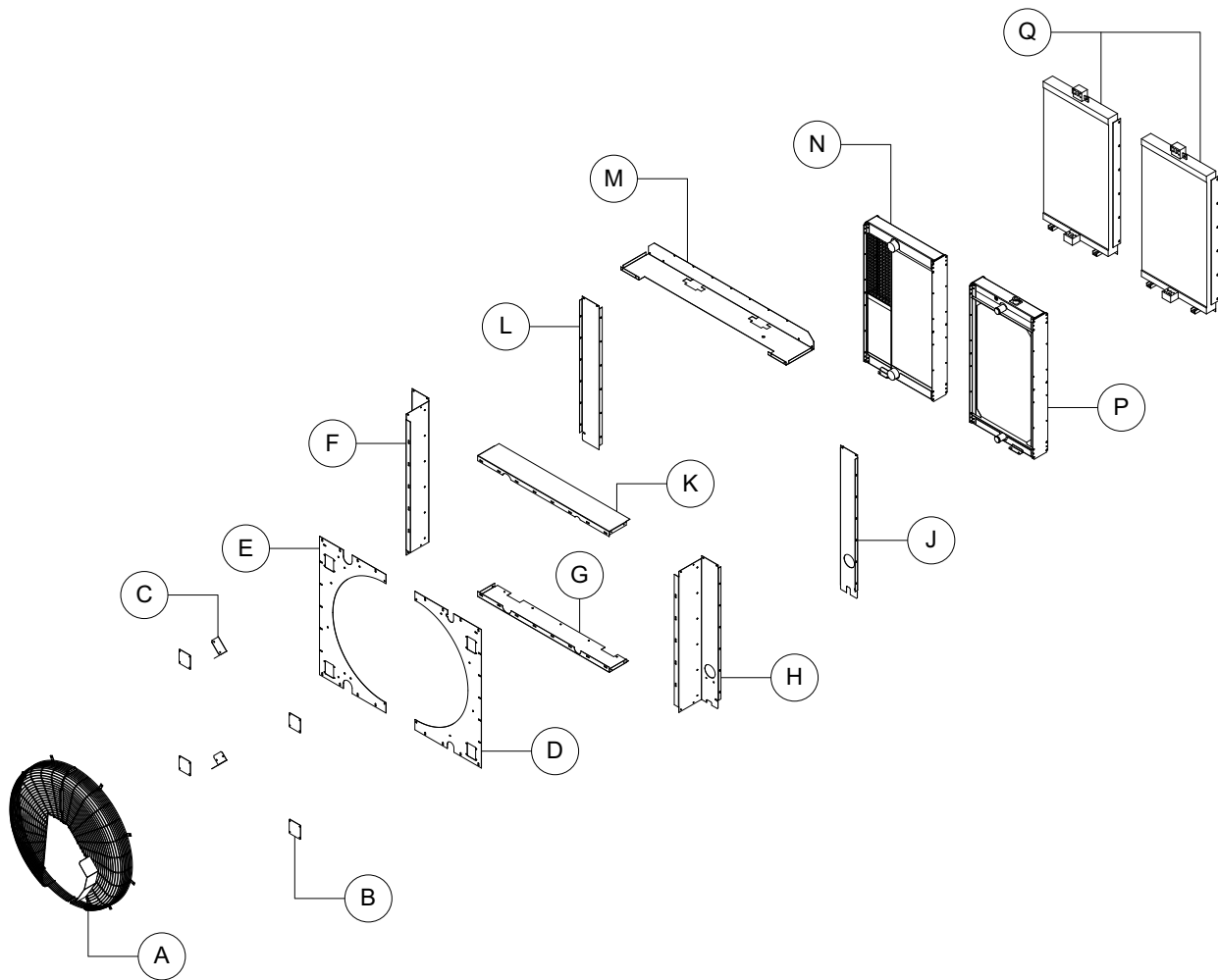
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	35332634	Bushing, Housing	1	 <i>Continued</i>
Q	35332642	Seal	1	
R	35594845	Gasket	1	
S	36729465	Housing, Piston	1	
T	96702287	Screw	12	
U	35331586	Grommet	2	
V	36897148	Valve	1	
W	35332626	Spacer	1	
X	39102355	O-Ring	1	
Y	95928222	Plug	1	

Starting Aid Assembly



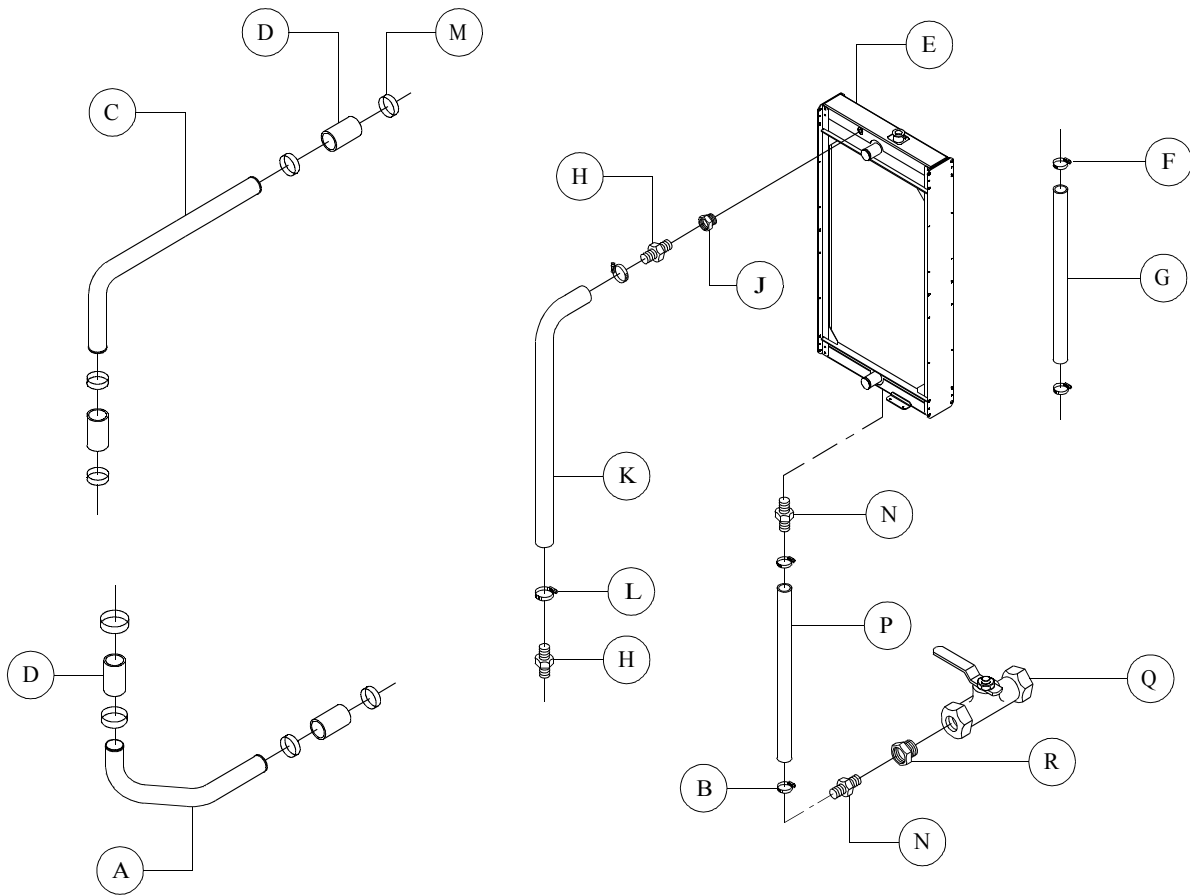
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35103498	Elbow	1	84"
B	35132166	Tubing	1	
C	35602812	Atomizer	1	
D	35322908	Screw	4	
E	35103506	Clamp	1	
F	35357052	Valve and Bracket Assembly	1	
G	95043196	Washer	4	
H	92304500	Nut	4	
J	35112911	Cylinder, Ether	1	
K	95930301	Bushing	1	
L	54720719	Adapter (To Engine Charge Air Return)	1	

Radiator and Oil Cooler



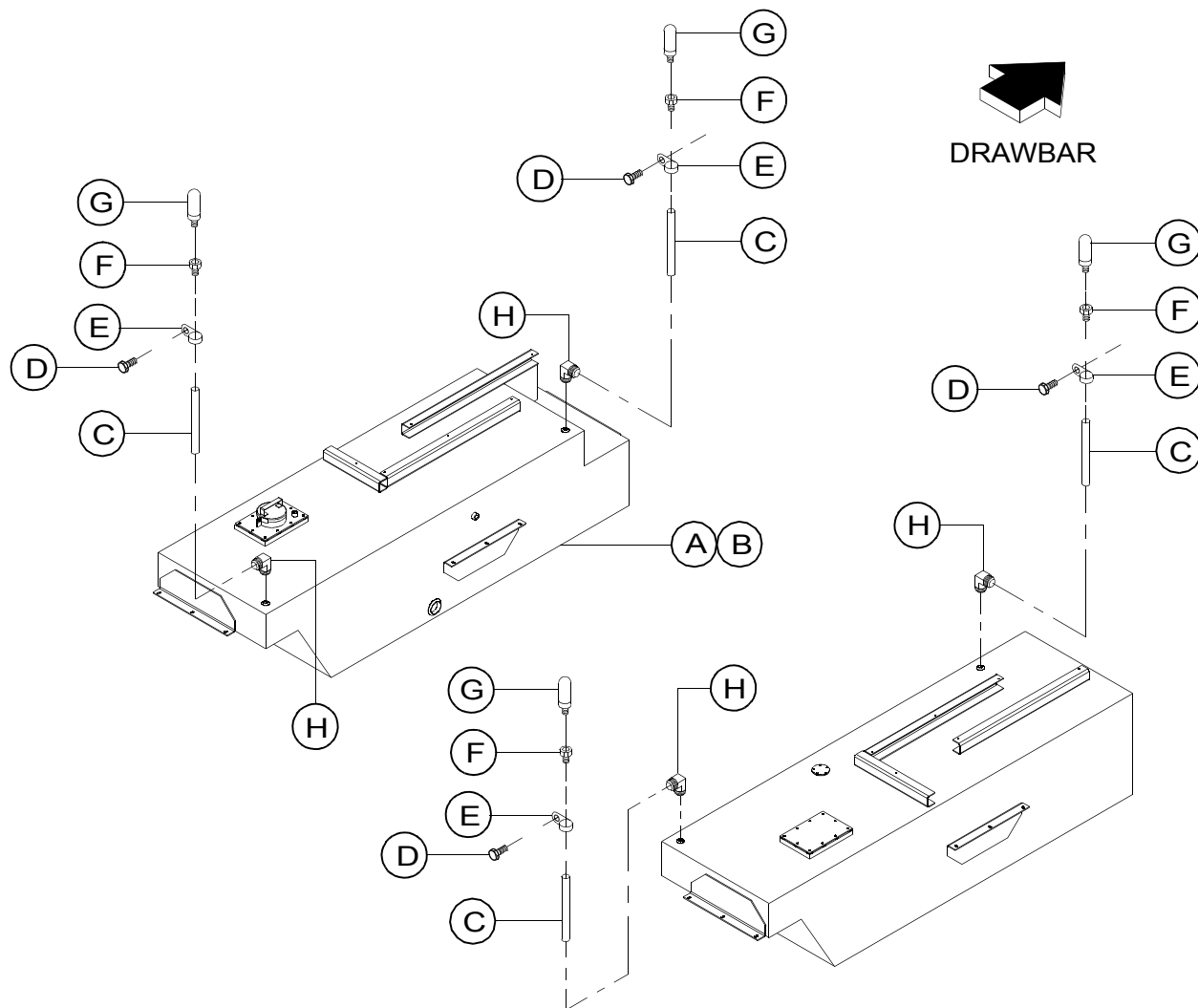
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54774526	Fan Guard Assembly	1	
B	54661426	Plate, Cover	4	
C	54661459	Bracket	2	
D	54507488	Orifice RH Fan	1	
E	54507470	Orifice LH Fan	1	
F	54507454	Support, RH Shroud	1	
G	54507447	Support, Bottom Shroud	1	
H	54507462	Support, LH Shroud	1	
J	22496269	Support, LH Rear Shroud	1	
K	54507439	Support, Top Shroud	1	
L	22496277	Support RH Rear Shroud	1	
M	22495311	Support, Top Rear Shroud	1	
N	54501846	Cooler, A/C Fuel	1	
P	22767453	Radiator	1	
Q	54501853	Cooler Oil	2	

Radiator Piping



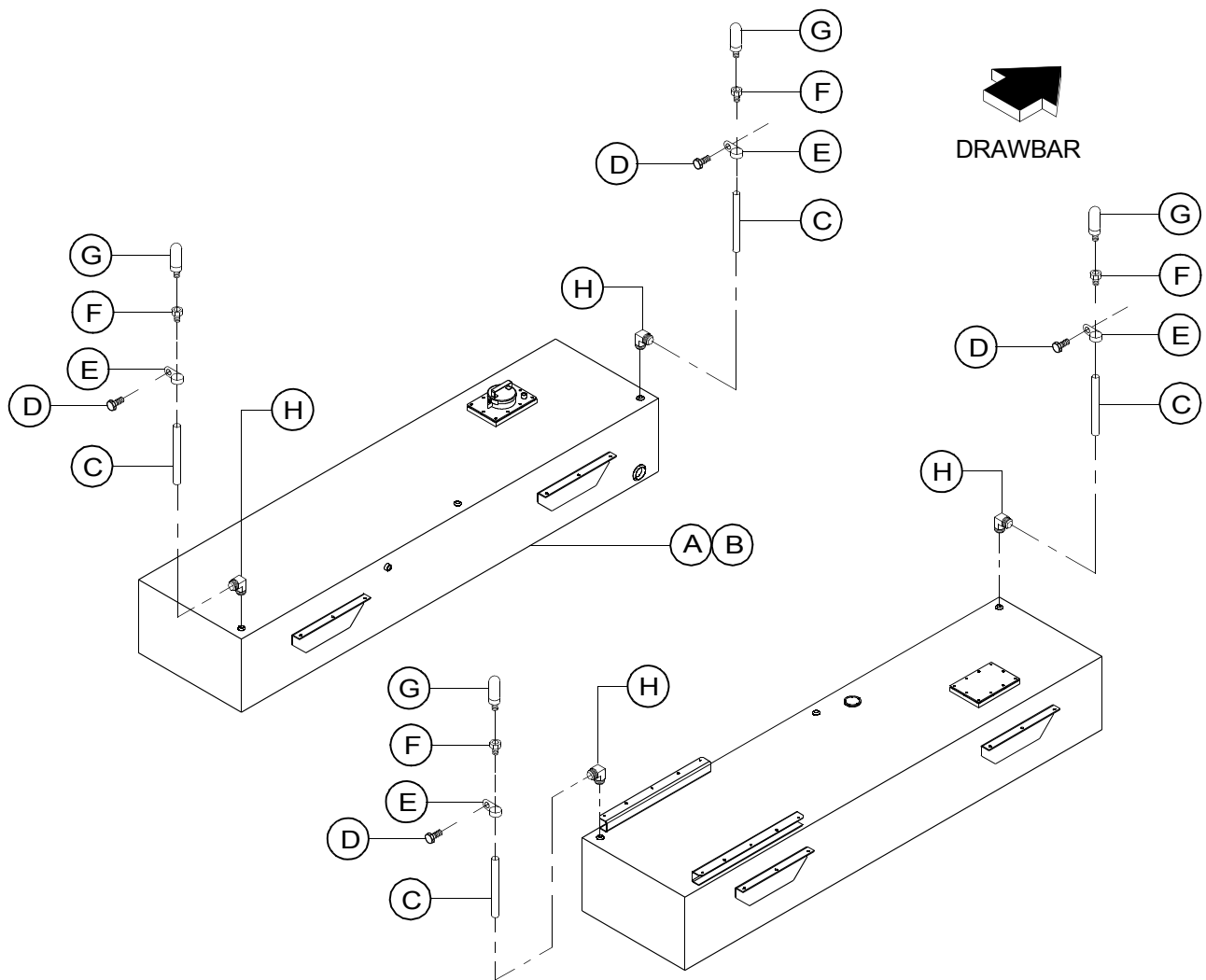
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54637996	Tube, Lower Radiator	1	
B	95220844	Clamp	2	
C	54638101	Tube, Upper Radiator	1	
D	35330570	Hose, Connector	3	
E	22767453	Radiator	1	
F	95235131	Clamp	2	
G	35135458	Hose, By-Pass	1	55"
H	35310598	Fitting, Barbed	1	
J	43212216	Adapter	1	
K	35285600	Hose, Vent	1	52"
L	95264776	Clamp	2	
M	35222017	Clamp	8	
N	35326560	Adapter	1	
P	35326578	Hose, Drain	1	115"
Q	35576115	Valve, Ball	1	
R	95953949	Adapter	1	
	54474572	Switch, Level	1	

High Speed Running Gear Fuel Tank Vent Piping



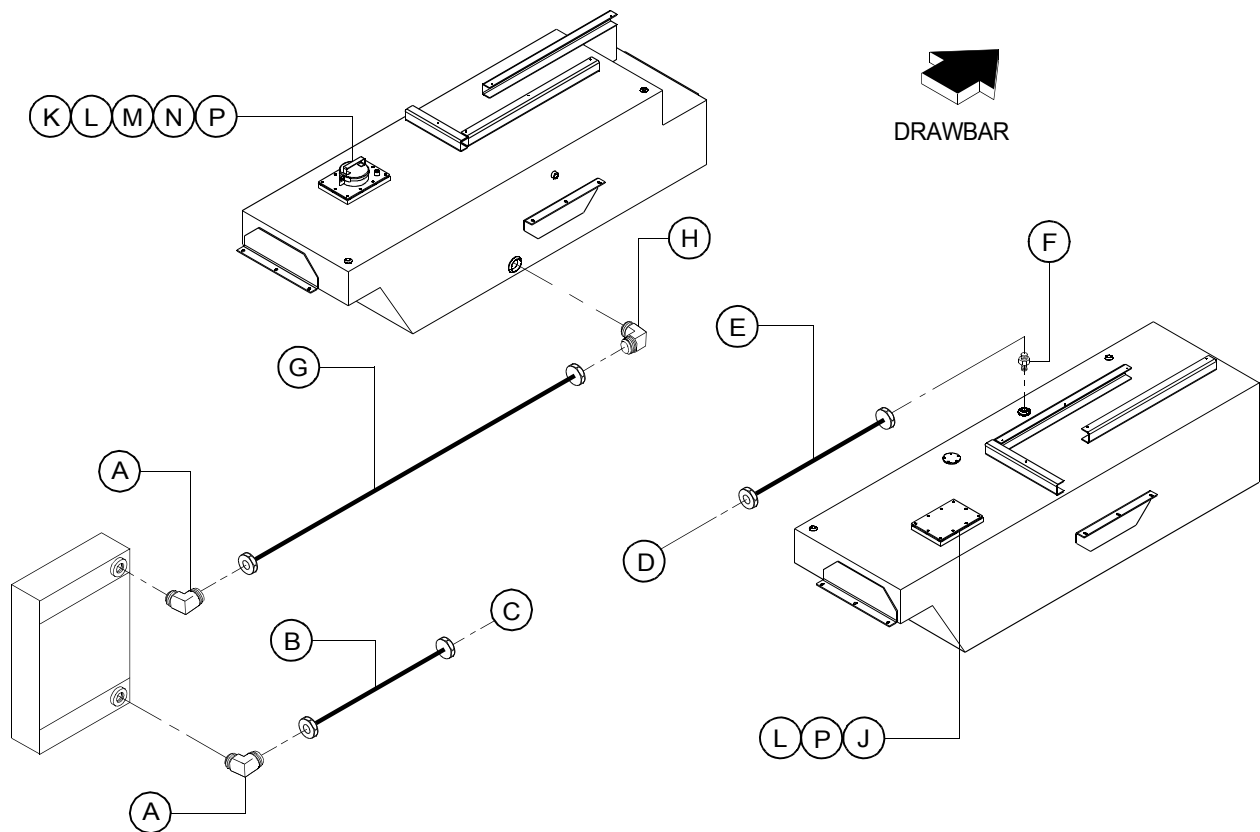
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22699201	Tank, R.H. Fuel	1	
B	54594080	Tank, L.H. Fuel	1	
C	35356484	Tubing (18 Inches)	1	
D	92368687	Screw	1	
E	35253038	Clamp	1	
F	35369339	Reducer	1	
G	35322395	Breather	1	
H	35369354	Elbow	1	

Wagon Wheel Running Gear Fuel Tank Vent Piping



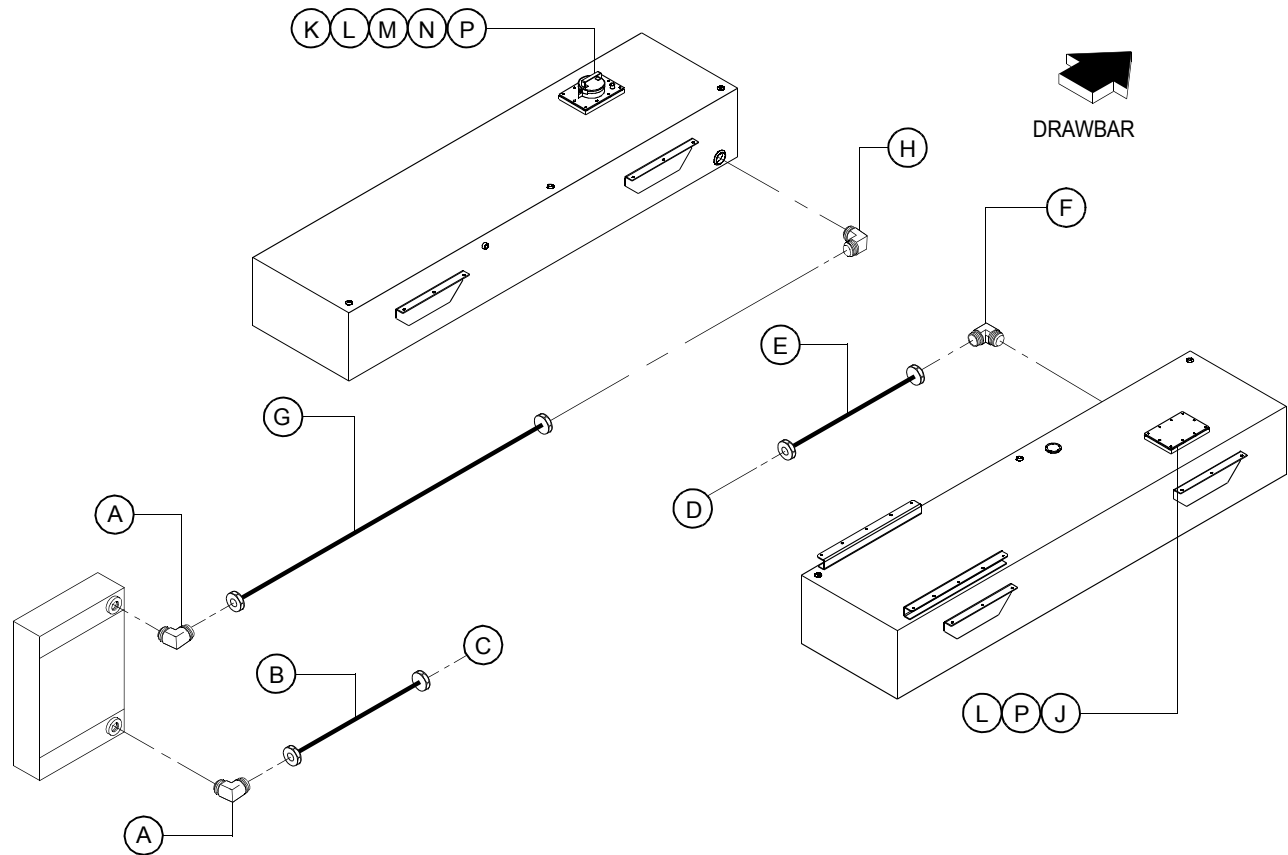
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22699219	Tank, R.H. Fuel	1	
B	54594106	Tank, L.H. Fuel	1	
C	35356484	Tubing (18 Inches)	1	
D	92368687	Screw	1	
E	35253038	Clamp	1	
F	35369339	Reducer	1	
G	35322395	Breather	1	
H	35369354	Elbow	1	

High Speed Running Gear Fuel Piping



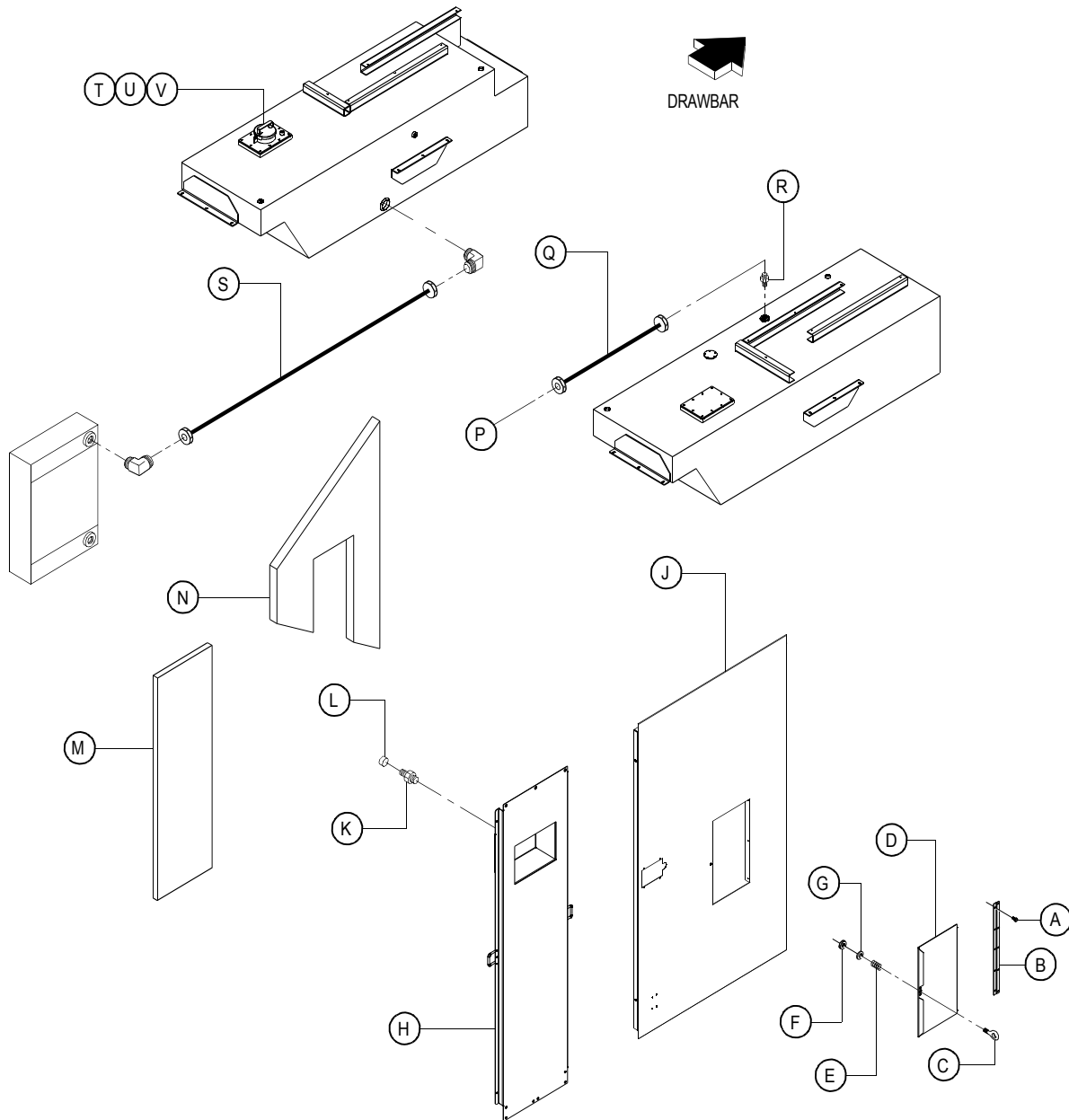
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279801	Elbow	1	
B	35305499	Hose Assembly	1	
C		Fuel Return on Engine	-	
D		Into Fuel filter on Engine	-	
E	22500607	Hose Assembly	1	
F	95279378	Connector	1	
G	22060156	Hose Assembly	1	
H	35309210	Elbow	1	
J	22062566	Cover, Fuel Tank Clean-out	1	
K	36845014	Cap, Fuel Tank	1	
L	35389964	Gasket, Cover	1	
M	35389972	Filler, Neck And Cover	1	
N	36845022	Strainer, Fuel Tank	1	
P	35144328	Screw	10	
	54672811	Sender, Fuel Level	1	

Wagon Wheel Running Gear Fuel Piping



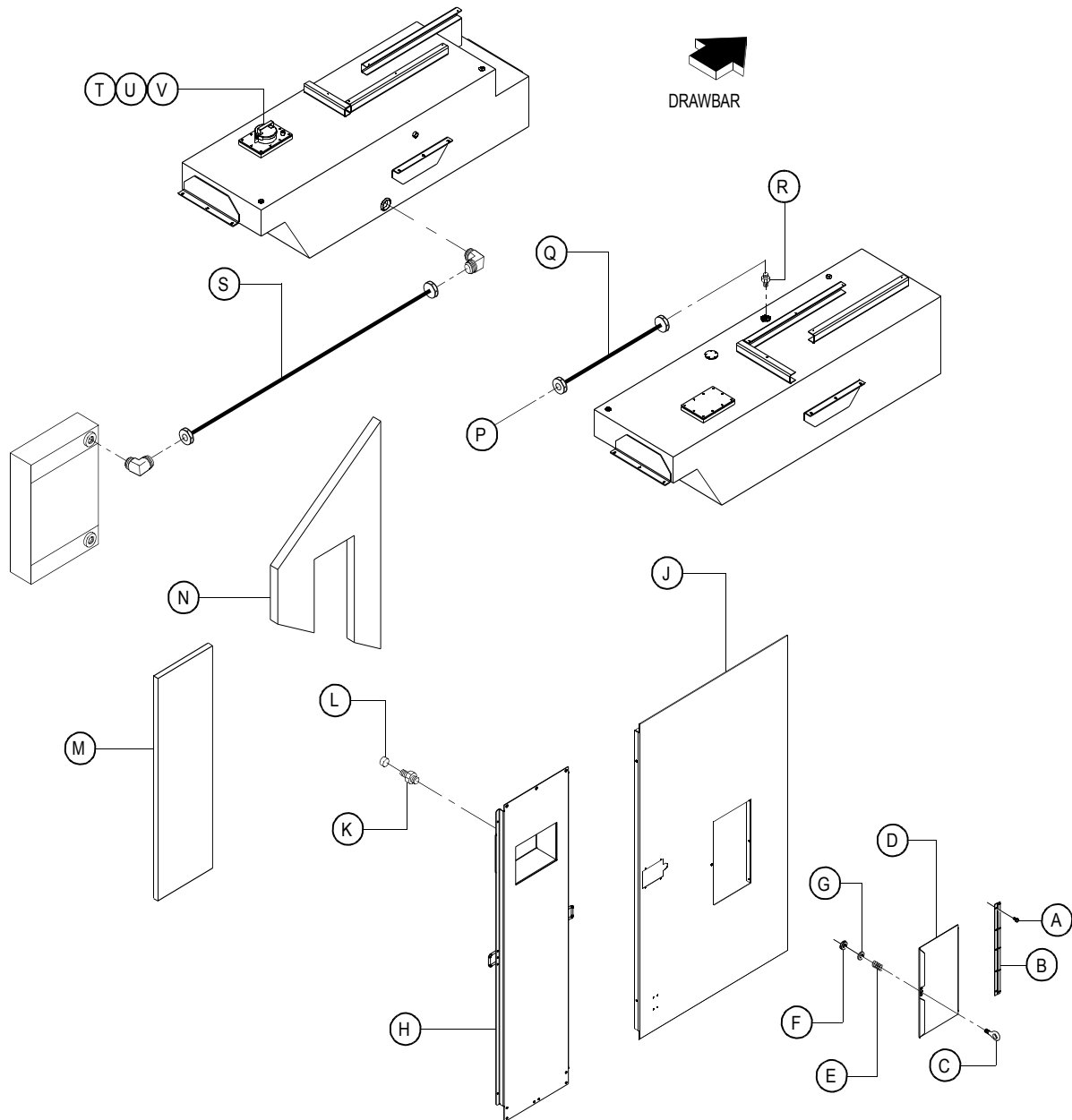
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279801	Elbow	1	
B	35305499	Hose Assembly	1	
C		Fuel Return on Engine	-	
D		Into Fuel filter on Engine	-	
E	35136548	Hose Assembly	1	
F	35286756	Elbow	1	
G	22060156	Hose Assembly	1	
H	35309210	Elbow	1	
J	22062566	Cover, Fuel Tank Clean-out	1	
K	36845014	Cap, Fuel Tank	1	
L	35389964	Gasket, Cover	1	
M	35389972	Filler, Neck And Cover	1	
N	36845022	Strainer, Fuel Tank	1	
P	35144328	Screw	10	
	54672803	Sender, Fuel Level	1	

High Speed Running Gear Remote Fill Fuel Piping



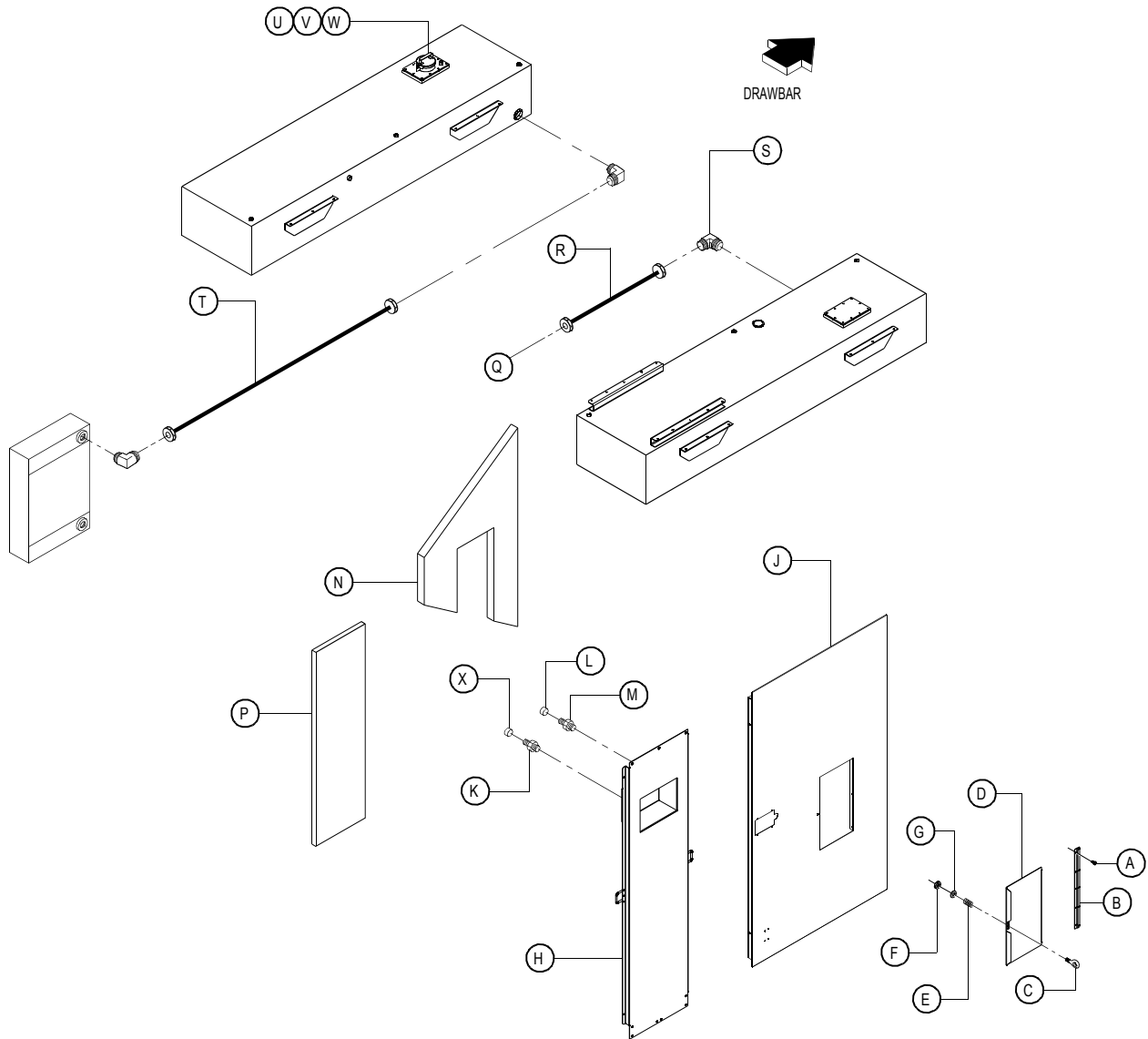
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	92368687	Screw	6	Continued.....
B	36845733	Hinge	1	
C	35327303	Eyebolt	1	
D	36894467	Door, Fuel Fill	1	
E	35327311	Spring, Door Latch	1	
F	95923314	Nut	1	
G	95934998	Washer	2	
H	22501324	Panel, Center Side	1	
J	22331557	Door, Fuel Access Side	1	
K	35285451	Union	1	

High Speed Running Gear Remote Fill Fuel Piping



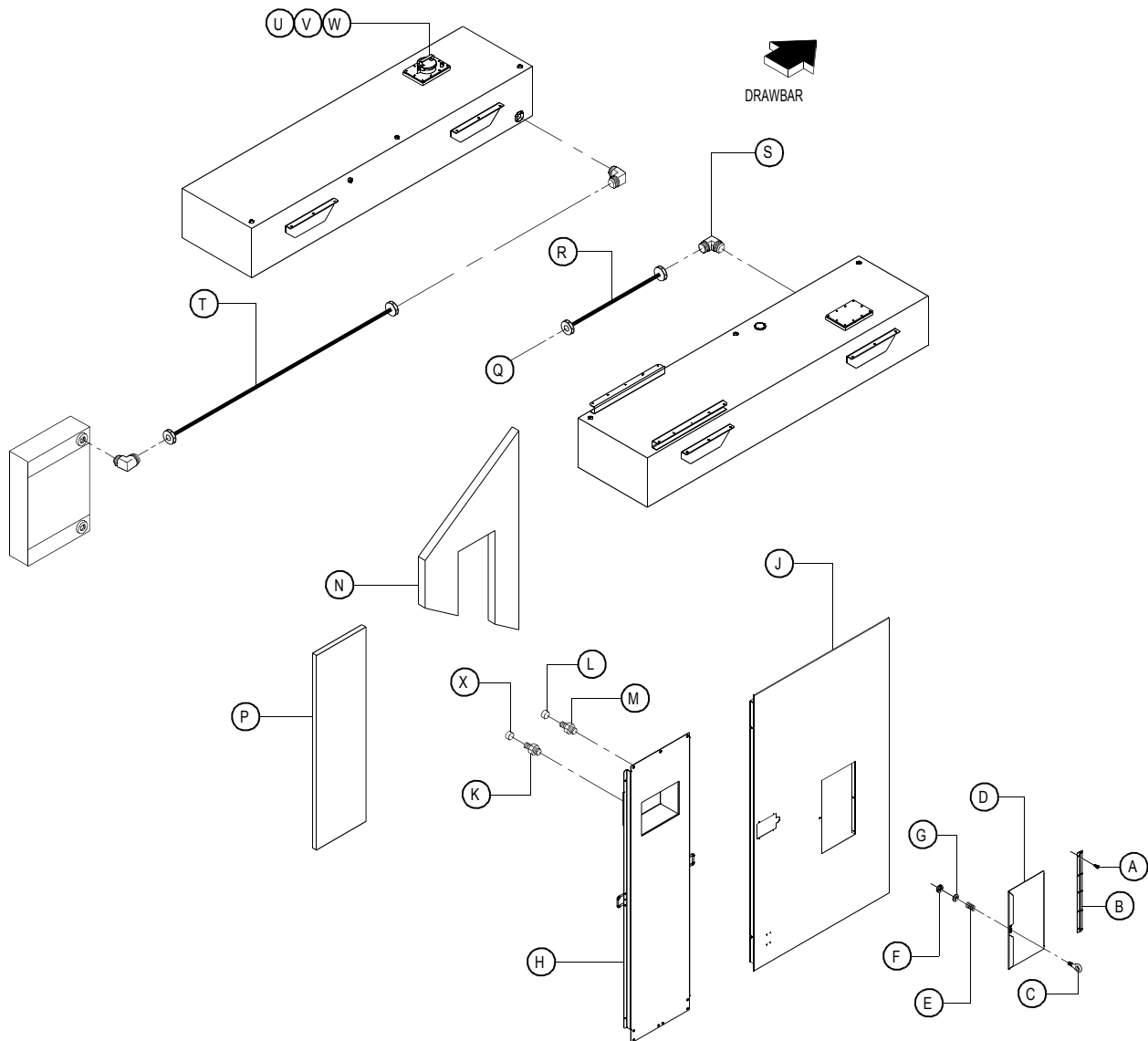
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	95730172	Cap	2	 <i>Continued</i>
M	22332589	Foam, Center Panel	1	
N	22331839	Foam, Side Door	1	
P	-----	Into Fuel Filter on Engine		
Q	22500607	Hose Assembly	1	
R	95279378	Connector	1	
S	22060156	Hose Assembly	1	
T	35389972	Cover, Fuel Fill	1	
U	36845022	Strainer	1	
V	36845014	Cap, Fuel Fill	1	

Wagonwheel Running Gear Remote Fill Fuel Piping



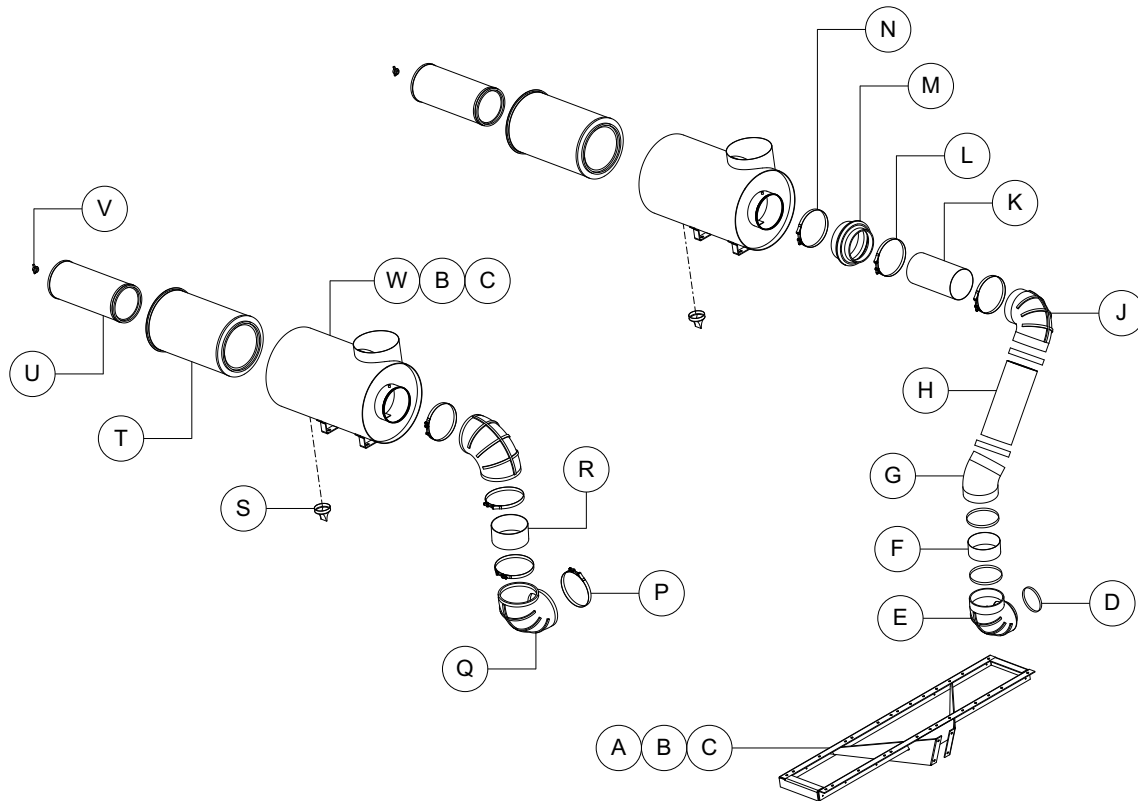
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	92368687	Screw	6	Continued.....
B	36845733	Hinge	1	
C	35327303	Eyebolt	1	
D	36894467	Door, Fuel Fill	1	
E	35327311	Spring, Door Latch	1	
F	95923314	Nut	1	
G	95934998	Washer	2	
H	22329544	Panel, Center Side	1	
J	22331557	Door, Fuel Access Side	1	
K	35285451	Union	1	
L	95730172	Cap	2	

Wagonwheel Running Gear Remote Fill Fuel Piping



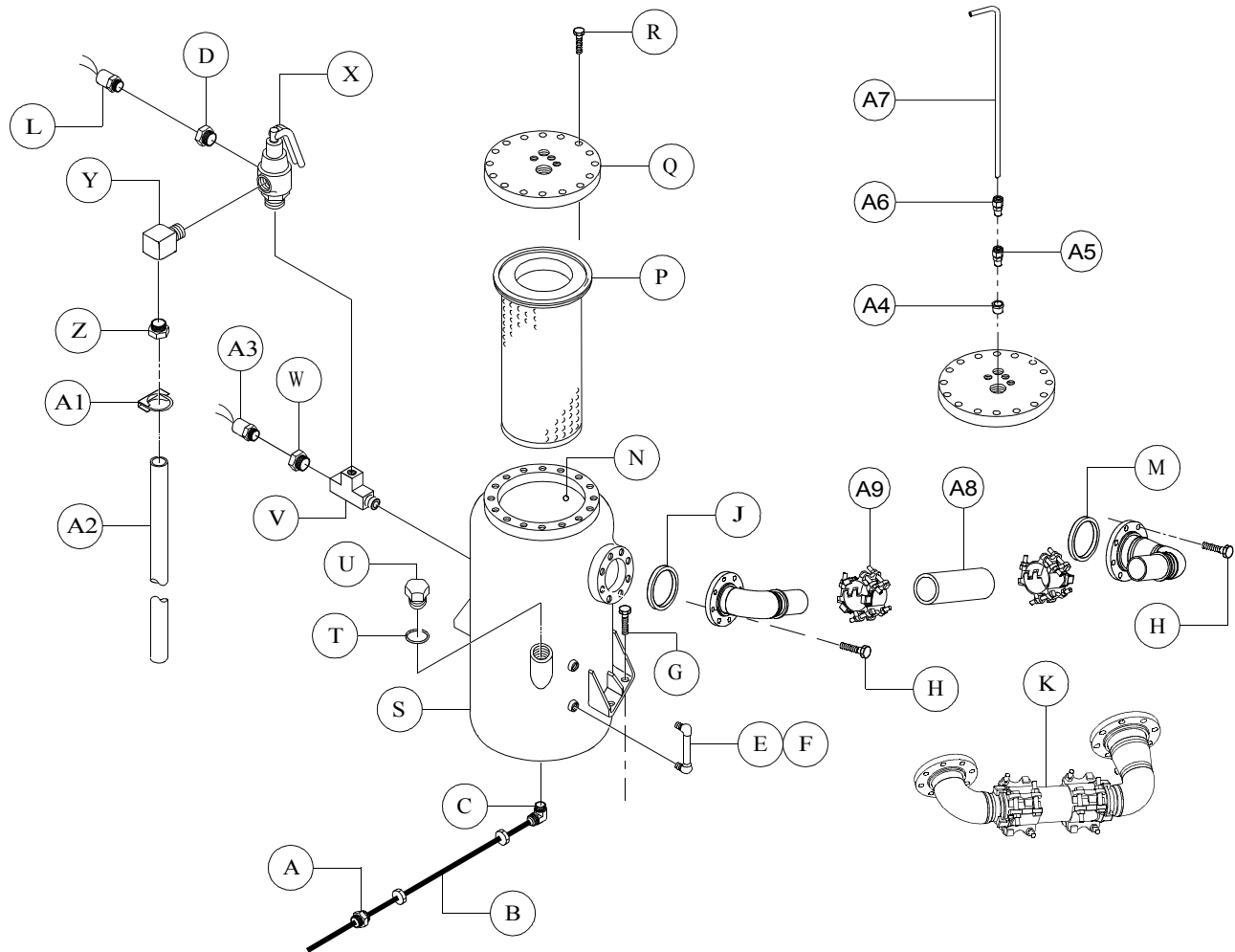
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	95332599	Connector, Bulkhead	1	 <i>Continued</i>
N	22331839	Foam, Side Door	1	
P	22332589	Foam, Center Panel	1	
Q	-----	Into Fuel Filter on Engine	1	
R	35325083	Hose Assembly	1	
S	35286756	Elbow, 90	1	
T	22060149	Hose Assembly	1	
U	35389972	Cover, Fuel	1	
V	36845022	Strainer, Fuel	1	
W	36845014	Cap, Fuel Fill	1	
X	35313428	Cap	2	

Air Intake & Filters



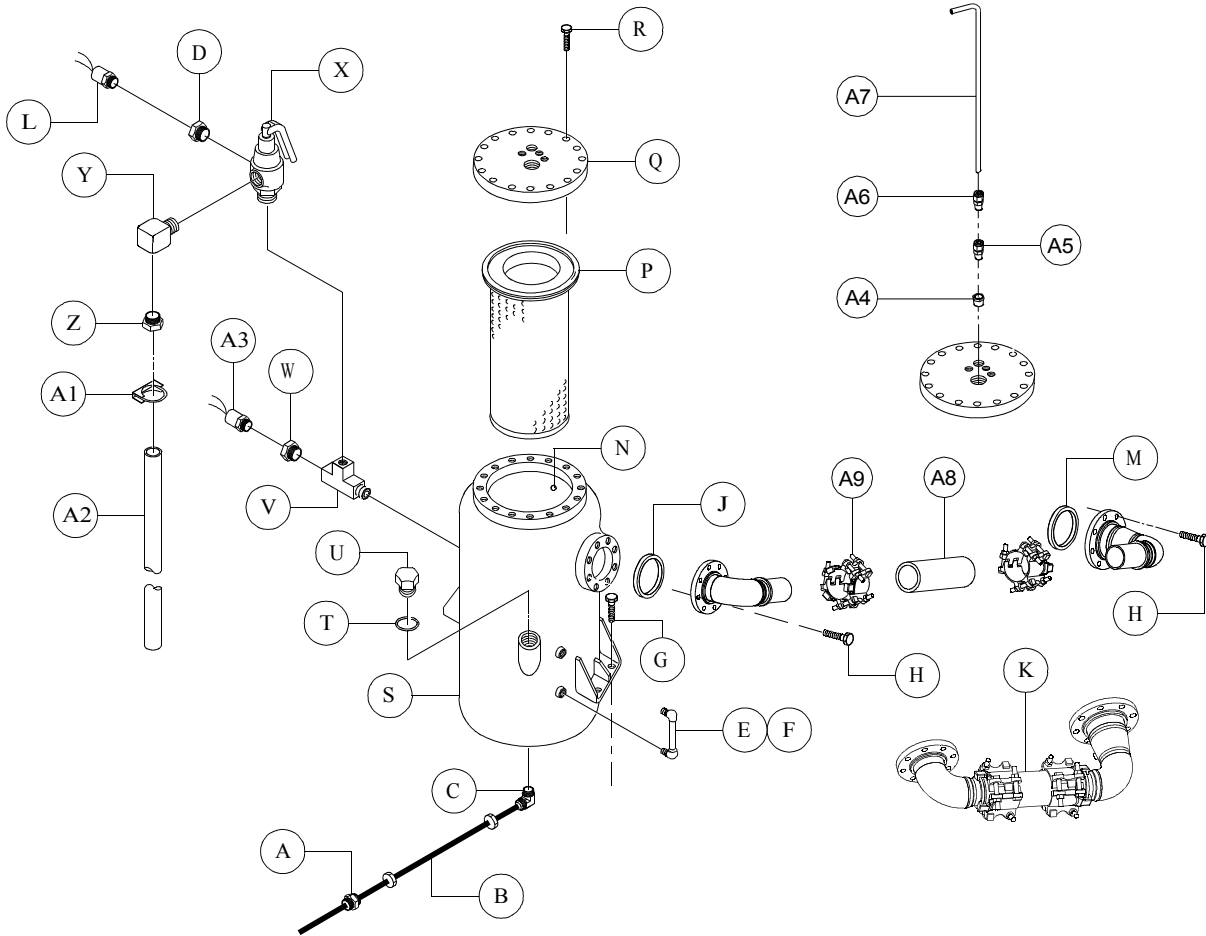
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36755163	Bracket, Air Cleaner	1	
B	36880995	Screw	12	
C	36879195	Nut	12	
D	35161025	Clamp	1	
E	54599956	Elbow, Rubber	1	
F	35112648	Tube	1	
G	36758902	Elbow Rubber	1	
H	35123272	Tube	1	
J	35112630	Elbow, Rubber	1	
K	35505866	Tube	1	
L	35119858	Clamp	8	
M	35141290	Hose, Hump	1	
N	35129071	Clamp	1	
P	35129071	Clamp	4	
Q	36862886	Elbow, Rubber	2	
R	35300110	Tube	1	
S	36867778	Evacuator	2	
T	36864361	Element, Primary	2	
U	36864379	Element, Safety	2	
V	35388982	Nut, Wing	2	
W	36864346	Air Cleaner Assembly	2	
	36847838	Switch, Air Filter	2	

Separator Tank Assembly



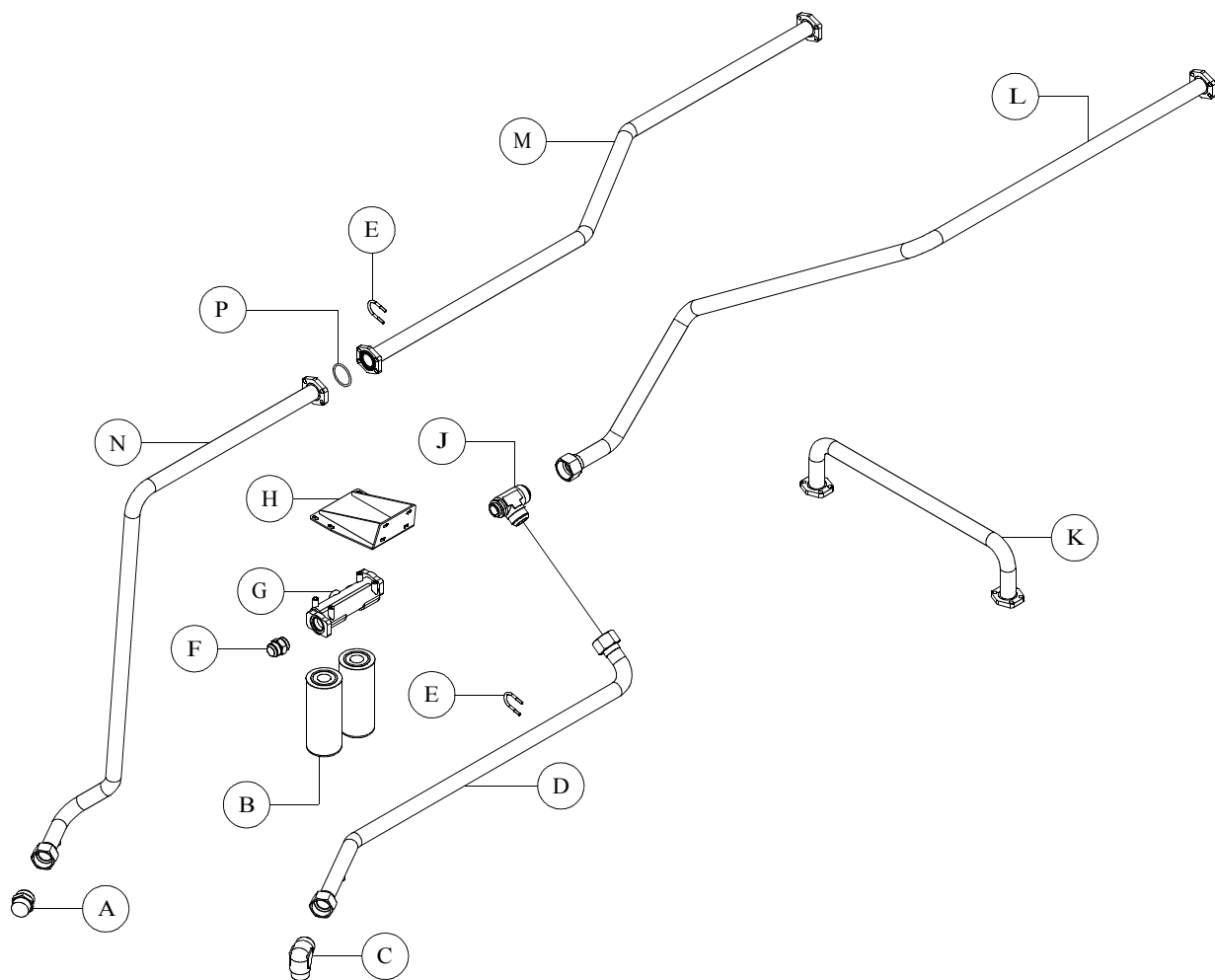
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95219747	Connector	1	
B	36878254	Hose Assembly	1	
C	35294750	Elbow	1	
D	36757581	Switch, Pressure	1	
E	22189831	Glass, Sight	1	
F	54627799	Elbow	2	
G	36879492	Screw	4	
H	36765121	Screw	16	
J	36856656	Gasket	1	
K	54612437	Discharge Hose Assembly	1	
L	95930301	Bushing	1	
M	36762961	Gasket	1	
N	36754414	Liner, Shell	1	
P	22402317	Element, Separator	1	
	35610617	Gasket (Top Of Element)	1	
Q	54612429	Cover, Tank	1	
R	95934170	Screw	16	Continued.....

Separator Tank Assembly



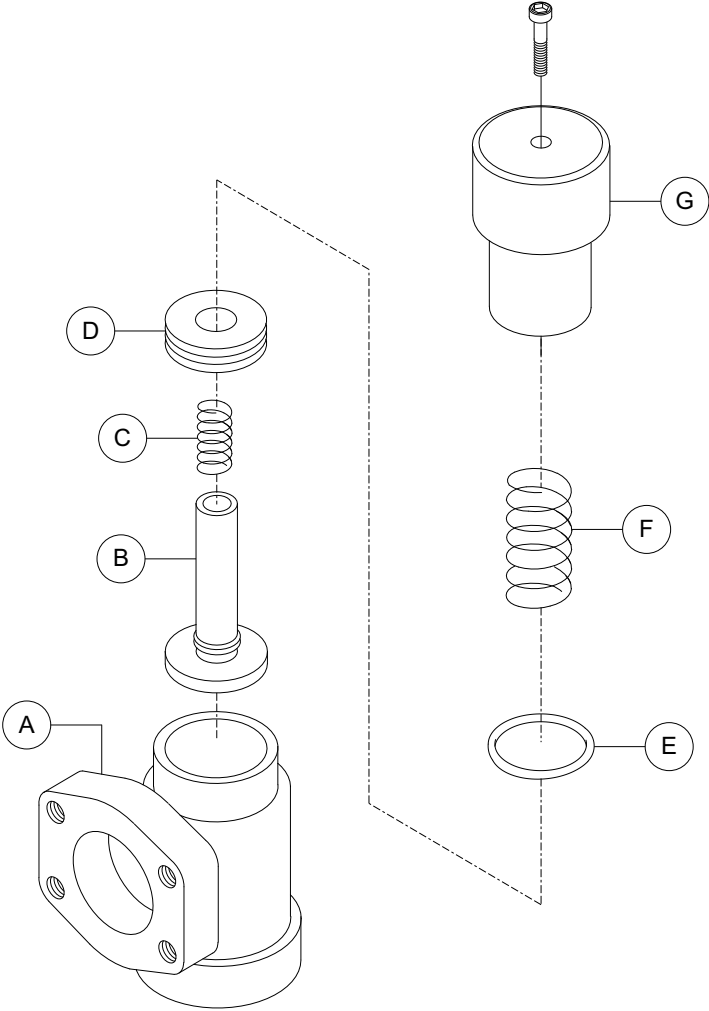
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	54612403	Tank, Separator	1	Continued
	22139026	Tank, Separator (Japanese)	1	
	22068811	Tank, Separator (EEC)	1	
T	35277797	O-Ring	1	
U	35802933	Plug, Oil Fill	1	
V	95954285	Tee	1	
W	95942108	Adapter	1	
X	36764371	Valve, Safety	1	
Y	95953311	Elbow	1	
Z	36764389	Adapter	1	
A1	35192178	Clamp	1	
A2	54744149	Pipe, Safety Valve	1	
A3	36898922	Sensor, Temperature	1	
A4	95940912	Bushing	1	
A5	95940748	Bushing, Reducing	1	
A6	35610674	Fitting, Scavenge	1	
A7	36794303	Tube, Scavenge	1	
A8	22209779	Hose	1	
A9	22209787	Clamp	2	

285 Oil Piping



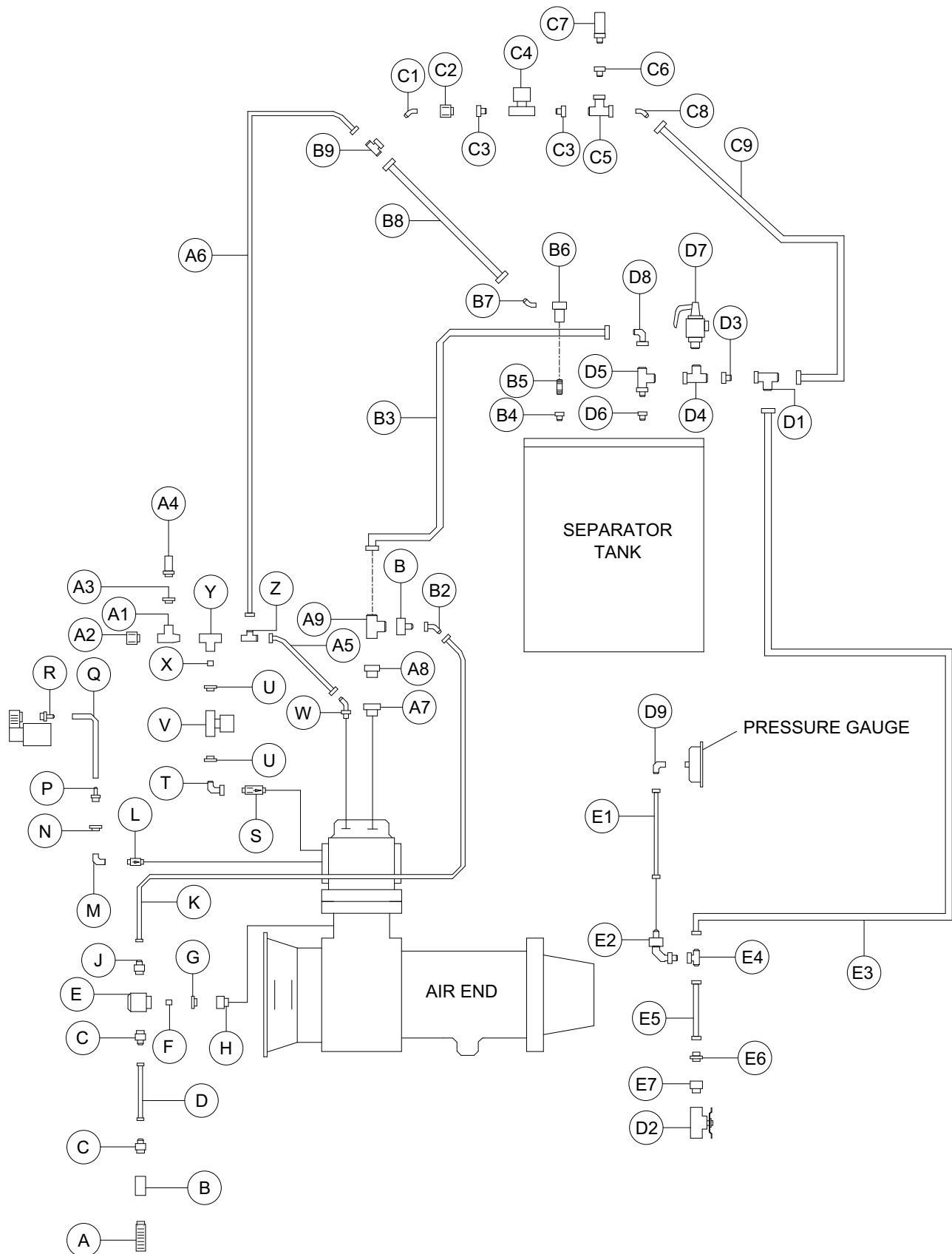
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35335124	Connector	1	
B	36897346	Element, Filter	1	
C	95286910	Elbow	1	
D	54625348	Tube Assembly	1	
E	36506756	Clamp	1	
F	35296409	Connector	1	
G	39871306	Head, Filter	1	
H	54625173	Bracket, Filter	1	
J	36756906	Tee	1	
K	54628185	Tube Assembly	1	
L	54625363	Tube Assembly	1	
M	54628177	Tube Assembly	1	
N	54625355	Tube Assembly	1	
P	95357976	O-Ring	4	

Minimum Pressure Check Valve Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54699731	Body, Check Valve	1	
B	36792380	Check Valve Assembly	1	
C	54699749	Spring, Check Valve	1	
D	36792927	Piston	1	
E	54699756	O-Ring	1	
F	36794790	Spring, Main	1	
G	36794808	Cap	1	

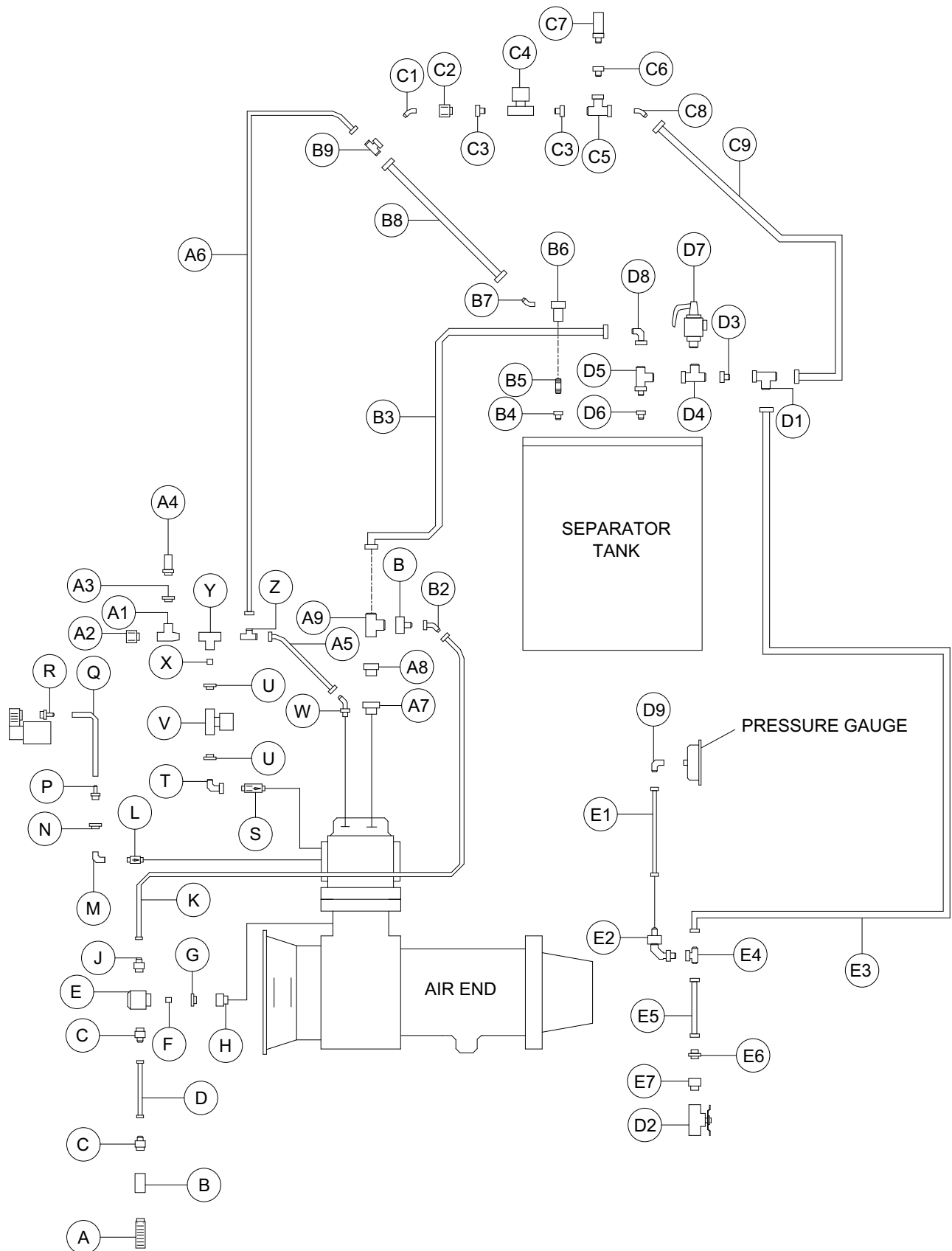
Air Piping



Air Piping

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36762623	Silencer		
B	95989554	Coupling		
C	35290147	Connector		
D	35282987	Hose Assembly		
E	35335017	Valve, Blowdown		
F	95944575	Nipple		
G	95944633	Bushing		
H	35279116	Adapter		
J	35283126	Connector		
K	35298512	Hose Assembly		
L	35248145	Valve, Check		
M	95954095	Elbow		
N	95930301	Bushing		
P	95287629	Adapter		
Q	35358662	Hose Assembly		
R	95287629	Adapter		
S	36840460	Valve, Check		
T	35294453	Elbow		
U	95940748	Bushing		
V	36840841	Valve, Solenoid		
W	35279835	Elbow		
X	95944575	Nipple		
Y	95954194	Tee		
Z	35283050	Tee		
A1	95944690	Tee		
A2	35322346	Orifice, .156		
A3	95930301	Bushing		
A4	36920825	Reducer		
A5	36841815	Tube Assembly		
A6	35284538	Hose Assembly		
A7	35280510	Adapter		
A8	95944617	Bushing		
A9	35330117	Tee		
B1	35365774	Reducer		
B2	35287911	Elbow		
B3	35298512	Hose Assembly		
B4	95944625	Bushing		
B5	95944575	Nipple		
B6	36854495	Regulator		
B7	35279934	Elbow		
B8	35282953	Hose Assembly		
B9	35283092	Tee		
				Continued.....

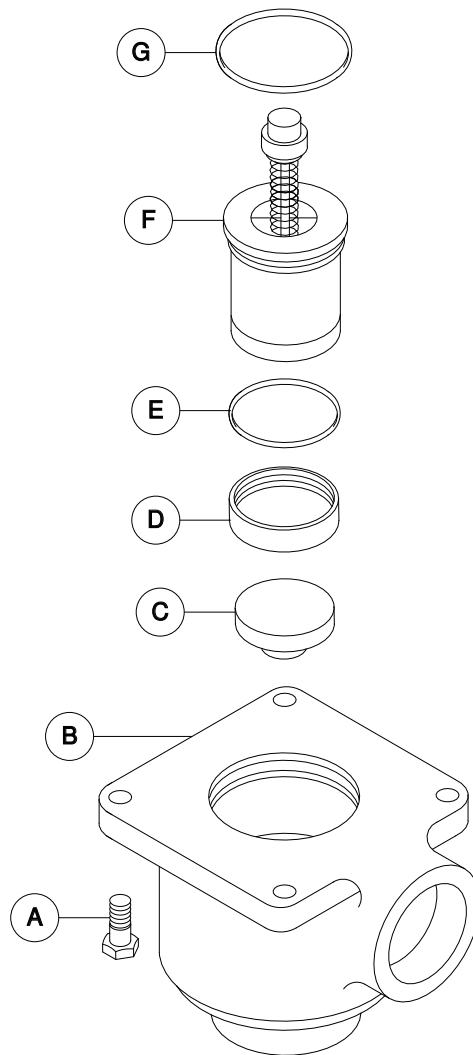
Air Piping



Air Piping

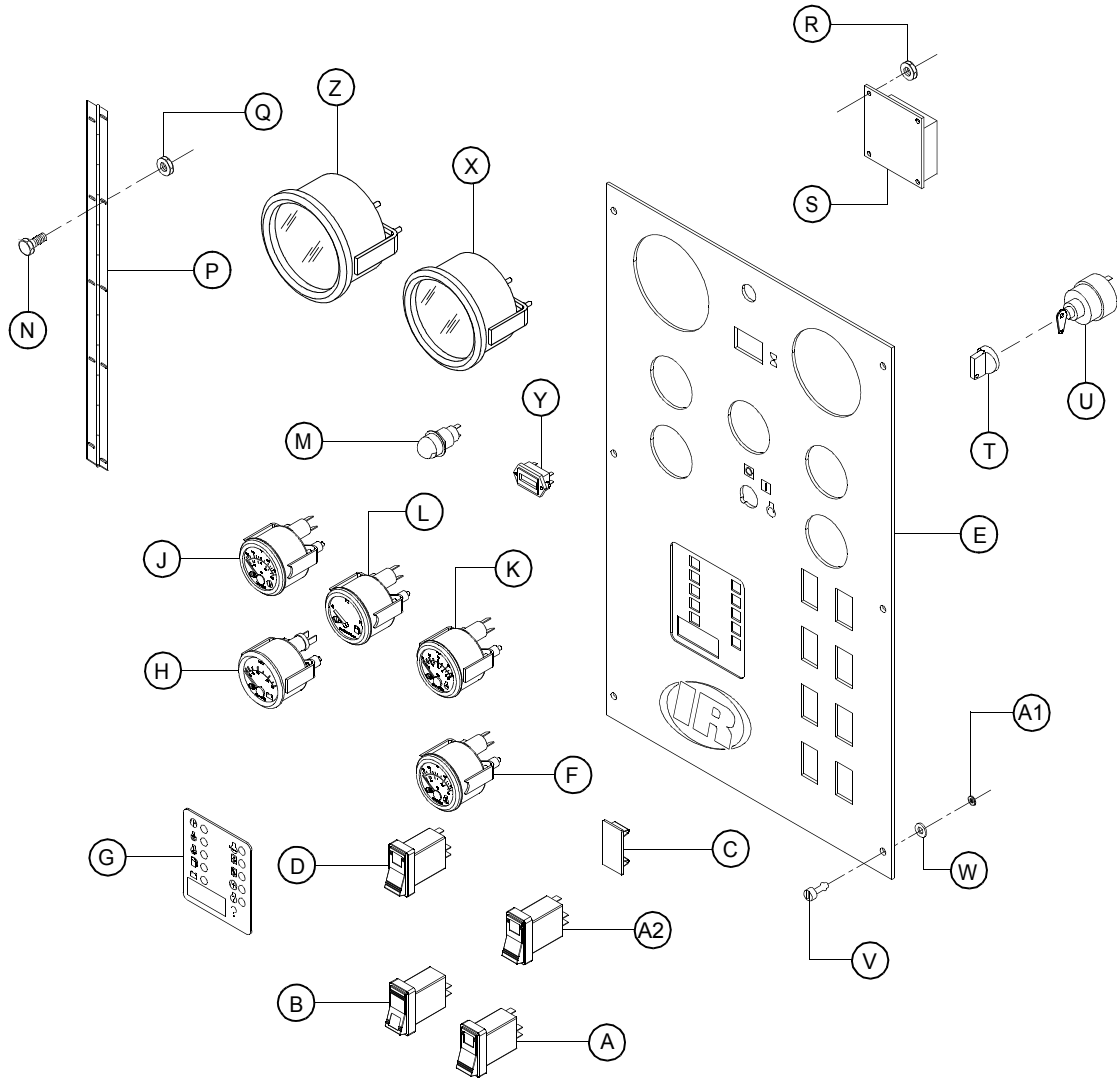
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
C1	35290253	Elbow		<i>.....Continued</i>
C2	35123124	Orifice		
C3	95940748	Bushing		
C4	36840841	Valve, Solenoid		
	36842086	Bracket, Top		
	36842094	Bracket, Bottom		
C5	95944690	Tee		
C6	95930301	Bushing		
C7	54496773	Reducer		
C8	35279934	Elbow		
C9	35282961	Hose Assembly		
D1	95954210	Tee		
D2	35324839	Valve, Ball		
D3	95944633	Reducer		
D4	95954285	Tee		
D5	35330117	Tee		
D6	36863702	Adapter		
D7	22061394	Valve, Safety		
D8	35301506	Elbow		
D9	35280098	Elbow		
E1	35282979	Hose Assembly		
E2	36852499	Elbow		
E3	35310994	Hose Assembly		
E4	35283092	Tee		
E5	35282961	Hose Assembly		
E6	35336189	Fitting, Bulkhead		
E7	35367846	Connector		

Oil Temperature By-Pass Valve Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96701917	Screw	4	
B	35307537	Body, Valve	1	
C	35307545	Seat, Valve	1	
D	35307552	Sleeve, Valve	1	
E	35307560	Seal, Valve	1	
F	22694640	Element, Valve	1	
G	35307586	Gasket, Valve	1	
	22711774	Oil Temp. By-pass Valve Assembly	1	
	22711766	Service Kit (Includes Items: E, F, & G)	1	

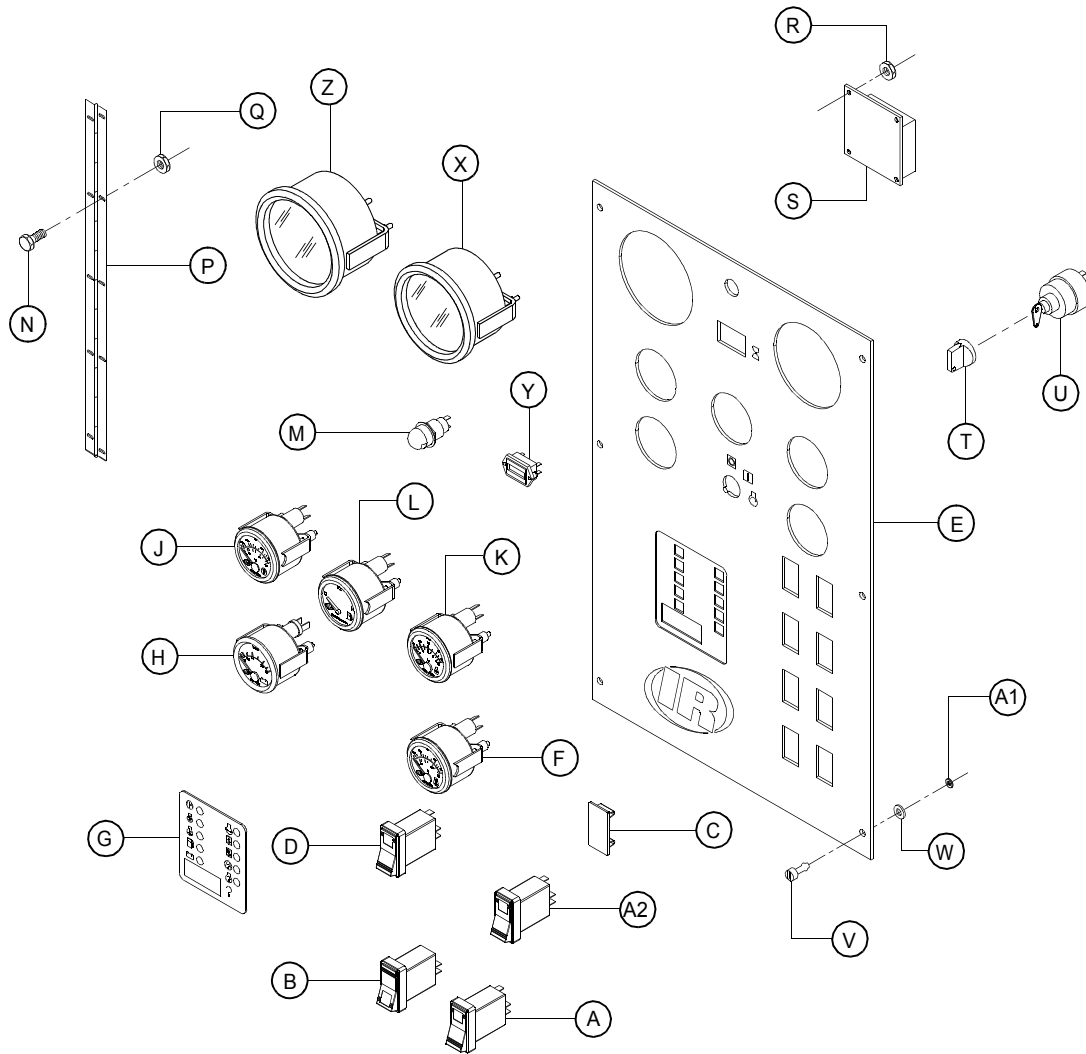
Instrument Panel Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22053896	Switch, Lamps	1	
B	22054050	Switch, Heater	1	
C	22054142	Plug, Switch	5	
D	22054076	Switch, After Warm-Up	1	
E	22105571	Panel, Instrument	1	
F	22277057	Gage, Engine Oil Pressure	1	Before S/N 375132
	22692628	Gage, Engine Oil Pressure	1	After S/N 375131
G	22055800	Overlay, Module	1	
H	22399349	Gage, Voltage	1	Before S/N 375132
	22692594	Gage, Voltage	1	After S/N 375131
J	22327266	Gage, Air Discharge Temperature	1	Before S/N 375132
	22692610	Gage, Air Discharge Temperature	1	After S/N 375131
K	22327266	Gage, Water Temperature	1	
	22692610	Gage, Water Temperature	1	After S/N 375131
				Continued.....

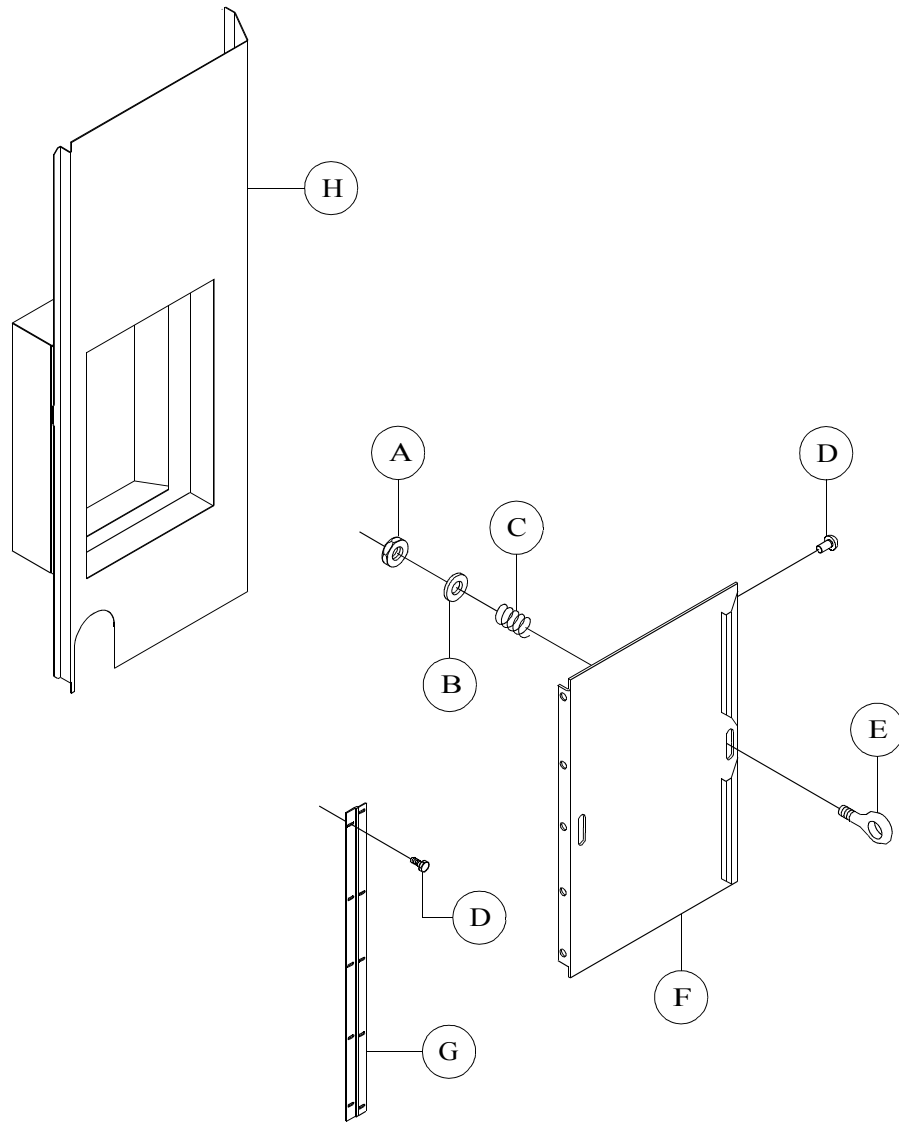
B - 48

Instrument Panel Assembly



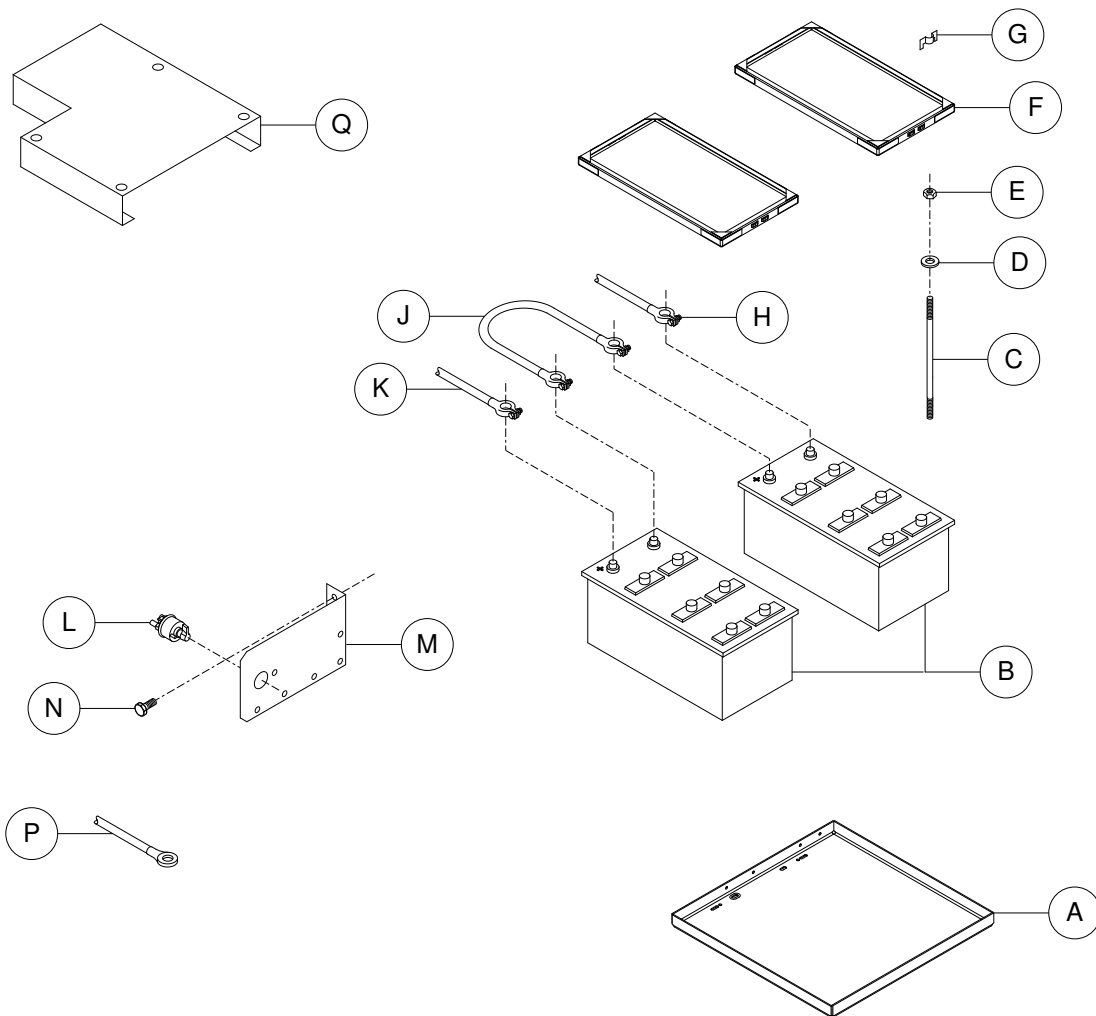
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
X	36840767	Gage, Discharge Pressure	1	 Continued Before S/N 375132 After S/N 375131
	36841468	Gage, Discharge Pressure	1	
Y	54766704	Hourmeter	1	
Z	22055883	Tachometer	1	

Instrument Panel Assembly



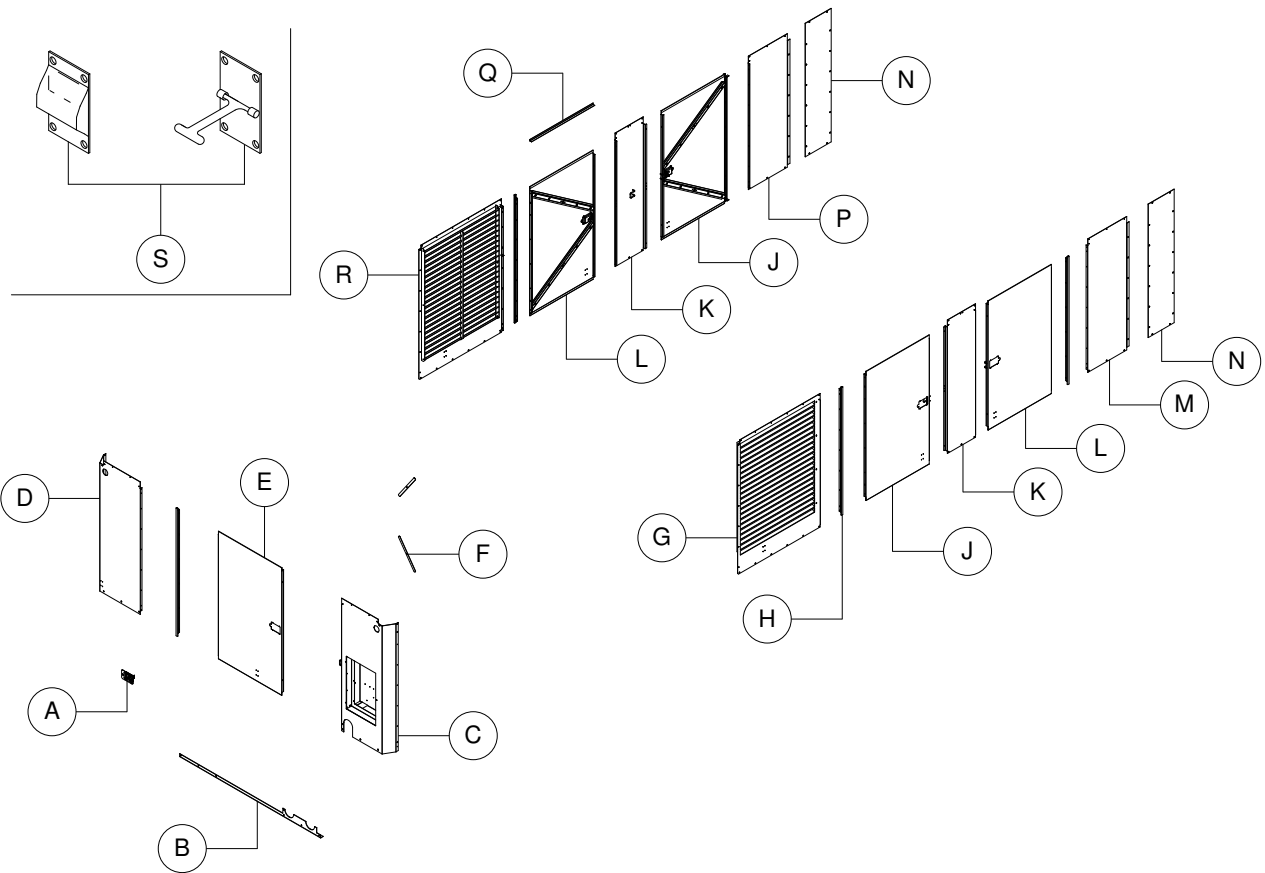
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95923314	Nut	2	
B	95934998	Washer	2	
C	35327311	Spring	2	
D	92368687	Screw	7	
E	35327303	Eyebolt	2	
F	22471882	Door, Instrument Panel	1	
G	36740405	Hinge	1	
H	22471890	Panel, Vertical	1	

Battery & Mounting



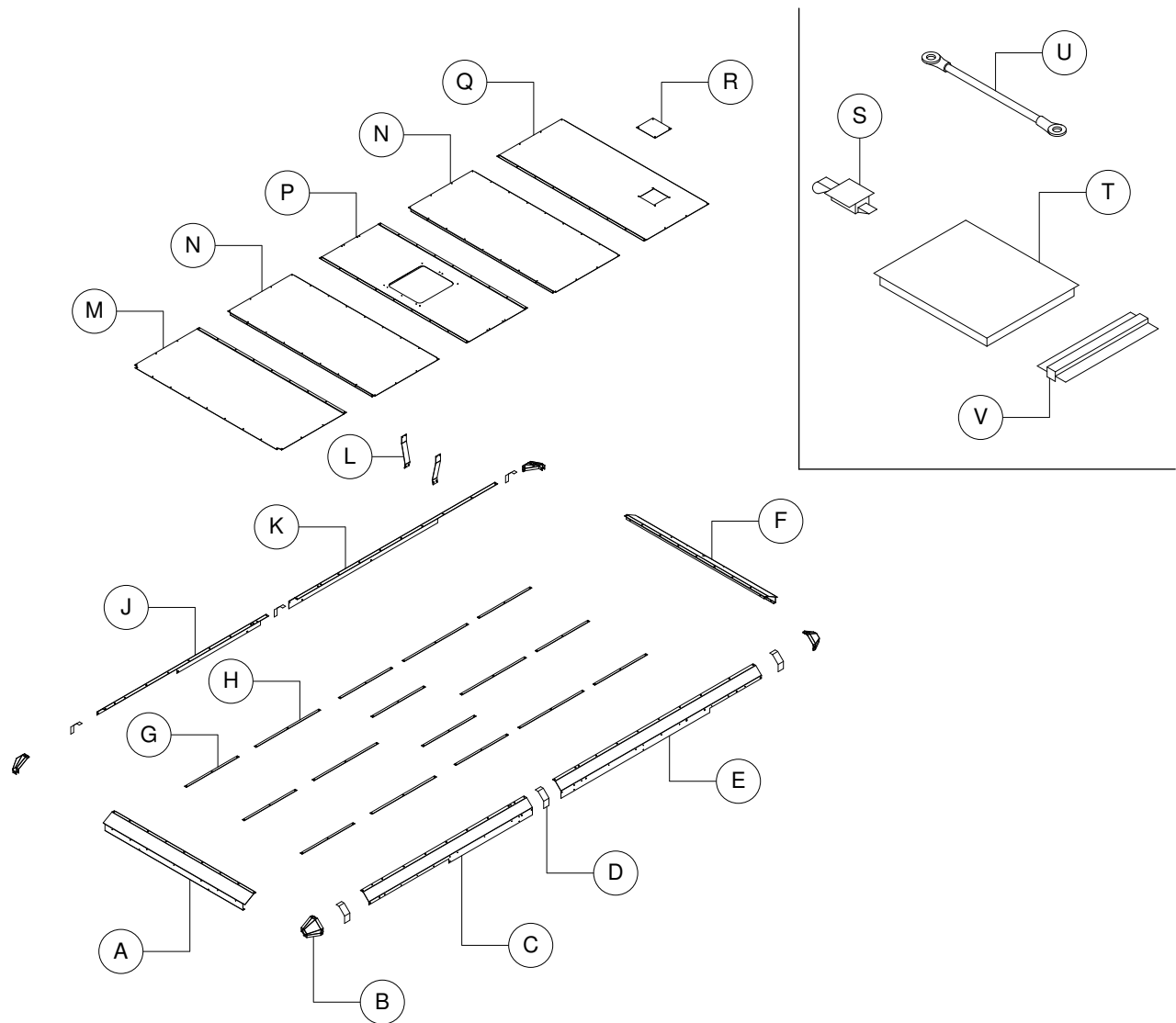
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36870350	Tray, Battery	1	
B	35225788	Battery	2	
C	54715479	Stud	4	
D	95935037	Washer	8	
E	95923322	Nut	8	
F	35562156	Frame	2	
G	35108216	Clip	4	
H	54765367	Cable, Negative	1	
J	35128982	Cable, Jumper	1	
K	54765375	Cable, Positive	1	
L	36896975	Switch, Master Cut-Off	1	
M	54737400	Bracket, Switch	1	
N	35279025	Screw	2	
P	23268105	Cable, Master Switch	1	
Q	54706825	Cover, Battery	1	
	36783488	Ground Strap From Starter	1	
	36783488	Ground Strap To RH of Engine	1	

Common Enclosure Assembly



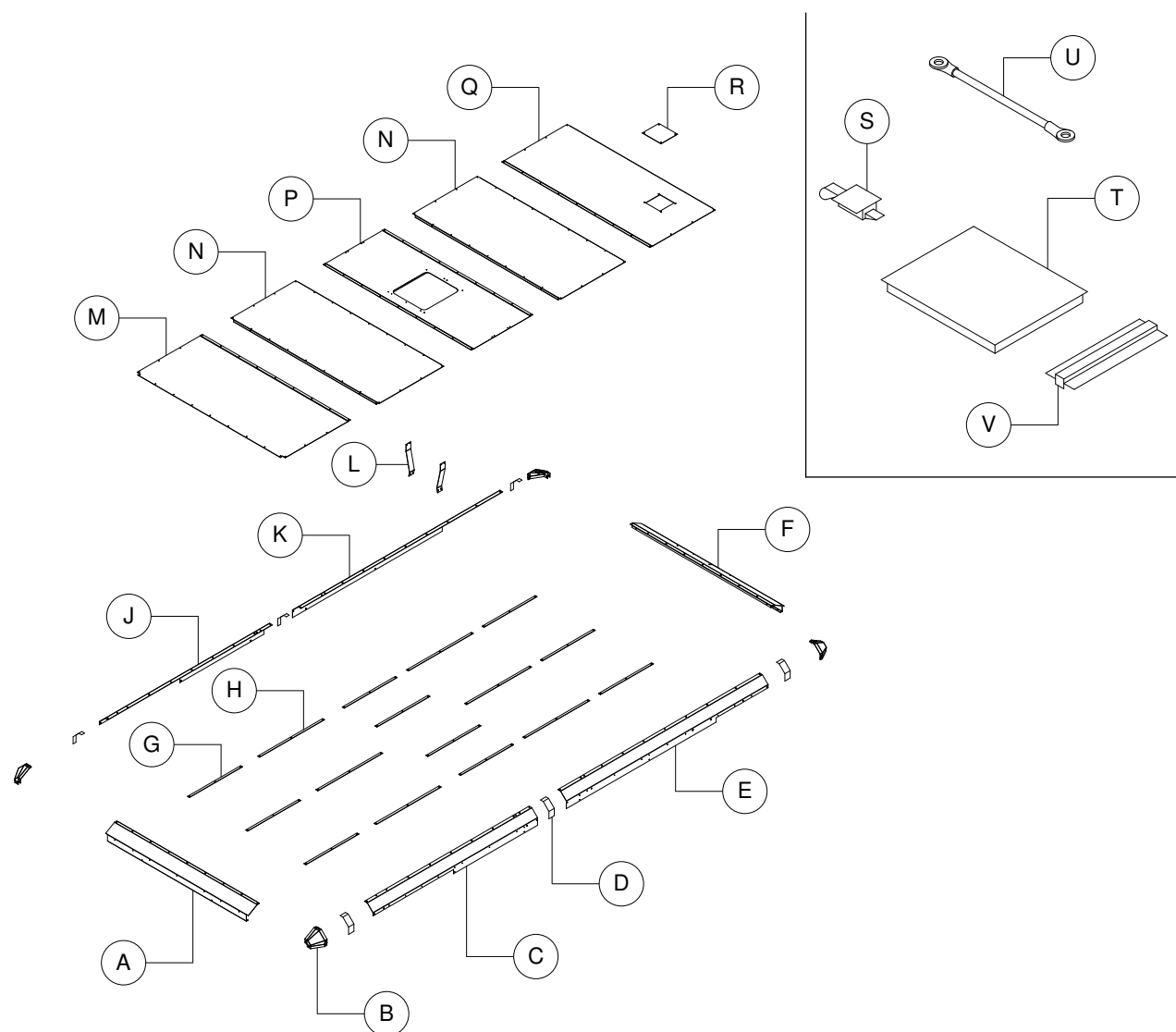
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36793602	Latch, Door Slam	5	
B	54576871	Brace, Front Panel	1	
C	22471890	Panel, LH Front	1	
	22475560	Panel, LH Front (IQ Units)	1	
D	54576947	Panel, RH Front	1	
	22055750	Panel, RH Front (IQ Units)	1	
E	36863363	Door, Front	1	
F	54718184	Brace, Front	2	
G	54587944	Grille, LH Front Side	1	
H	36863413	Hinge	5	
J	36863660	Door, Side	1	
K	54587969	Panel, Center	1	
L	36863652	Door, Side	1	
M	54587977	Panel, LH Rear Side	1	
N	54663240	Panel, Rear Side	1	
P	54587985	Panel, RH Rear Side	1	
Q	36863371	Angle, Door Drip	5	
R	54587951	Grille, RH Front Side	1	
S	36849925	Latch, Door	5	

Top Enclosure Assembly



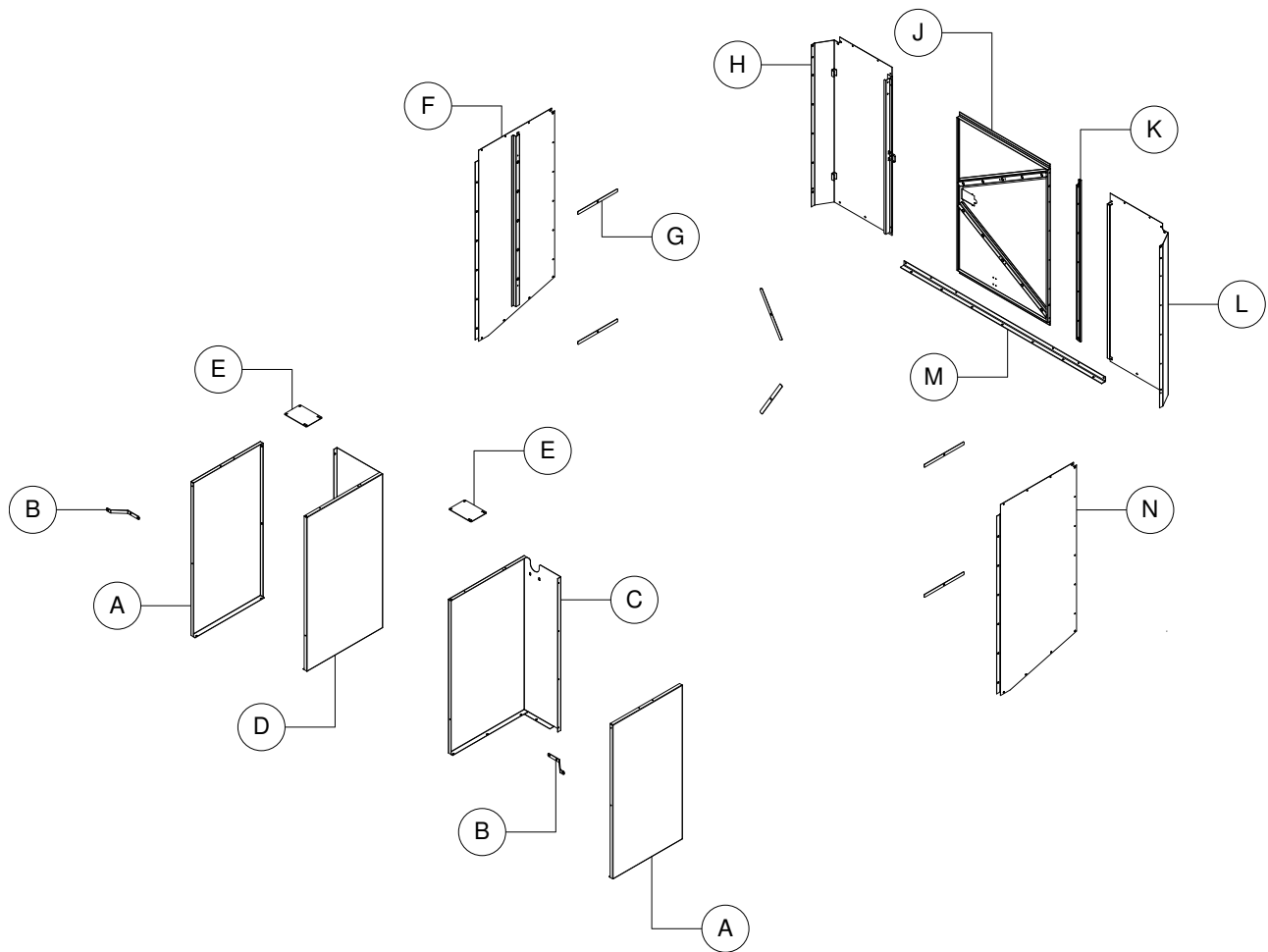
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54576970	Cap, Front End	1	Continued.....
B	36755981	Cap, Corner	4	
C	54690110	Cap, LH Front Side	1	
D	36755742	Bracket, Filler	6	
E	54690128	Cap, LH Rear Side	1	
F	54584784	Cap, Rear End	1	
G	54747316	Brace, Top Foam	8	
H	54747324	Brace, Top Foam	8	
J	54663224	Cap, RH Front Top	1	
K	54663232	Cap, RH Rear Top	1	
L	54700091	Brace, Center Roof	2	

Top Enclosure Assembly



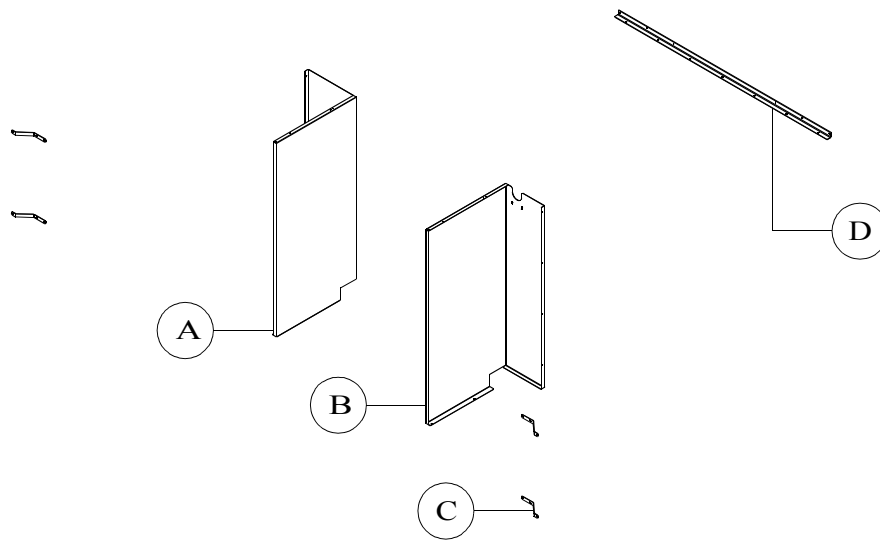
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	54599915	Panel, Front Top	1	Continued
N	54599923	Panel, 2nd and 4th Top	1	
P	54599931	Panel, Center Top	1	
Q	54599949	Panel, Rear Top	1	
R	54690136	Plate, Radiator Fill	1	
S	35131051	Latch, Door	1	
T	36864403	Door, Roof	1	
U	36864304	Cable	1	
V	36864288	Hinge, Door	1	

Fast Track Enclosure



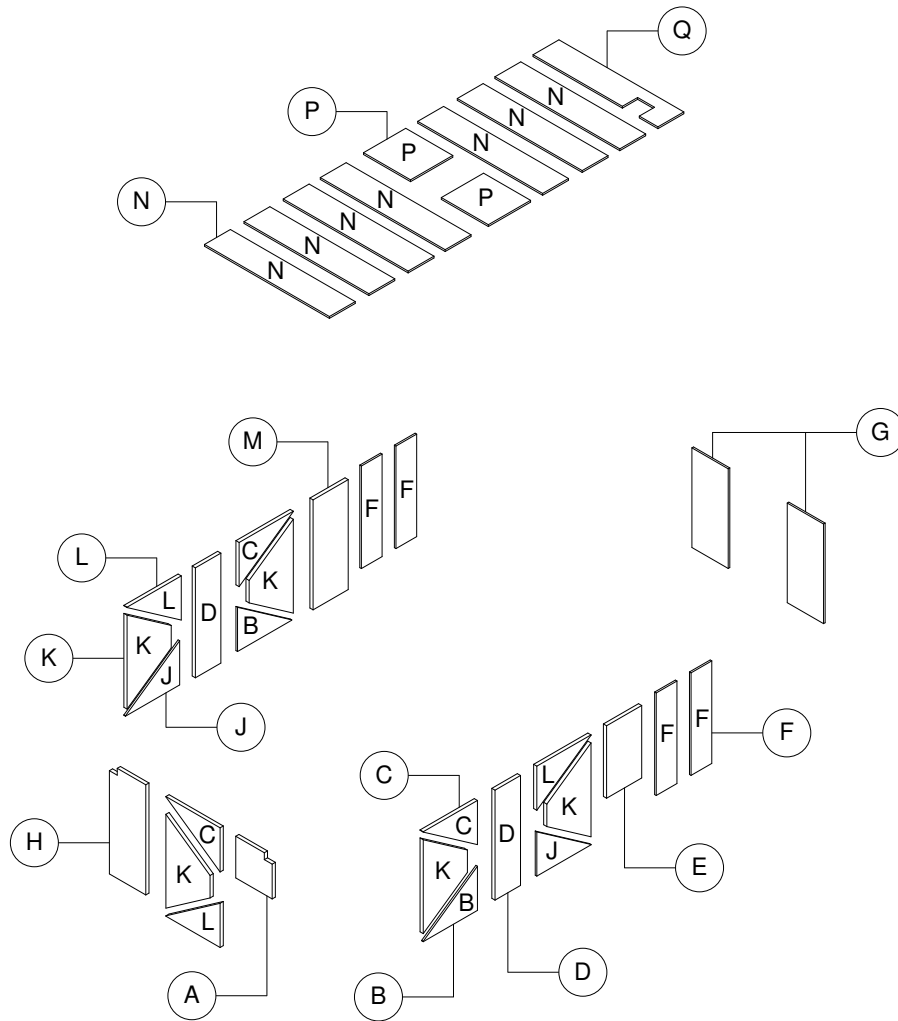
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54640982	Baffle, LH Outside	1	
B	54641022	Strip, Support	1	
C	54640966	Baffle, LH Inside	1	
D	54640974	Baffle, RH Inside	1	
E	54641006	Plate, Tie	1	
F	54672761	Panel, RH Rear	1	
G	54718184	Strip, Foam Retention	6	
H	54663299	Panel, RH Rear Corner	1	
J	54672779	Door, Rear	1	
	36793602	Latch, Door Slam	1	
K	54692744	Hinge	1	
L	54663281	Panel, LH Rear Corner	1	
M	54576921	Strip, Panel Support	1	
N	54672753	Panel, LH Rear Side	1	

Wagon Wheel Enclosure



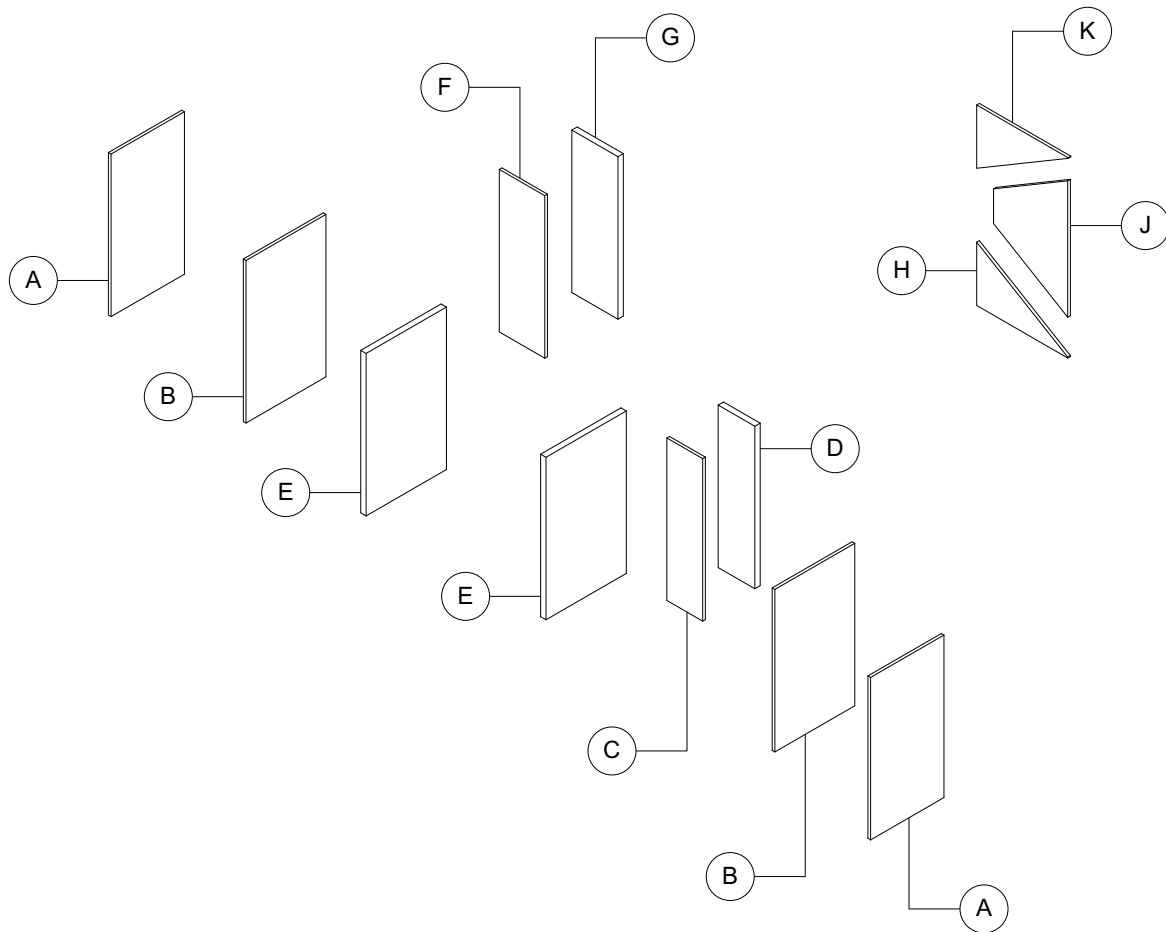
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54688239	Baffle, RH	1	
B	54688221	Baffle, LH	1	
C	54641022	Support, Baffle	4	
D	54576921	Angle, Rear Mounting	1	

Common Foam



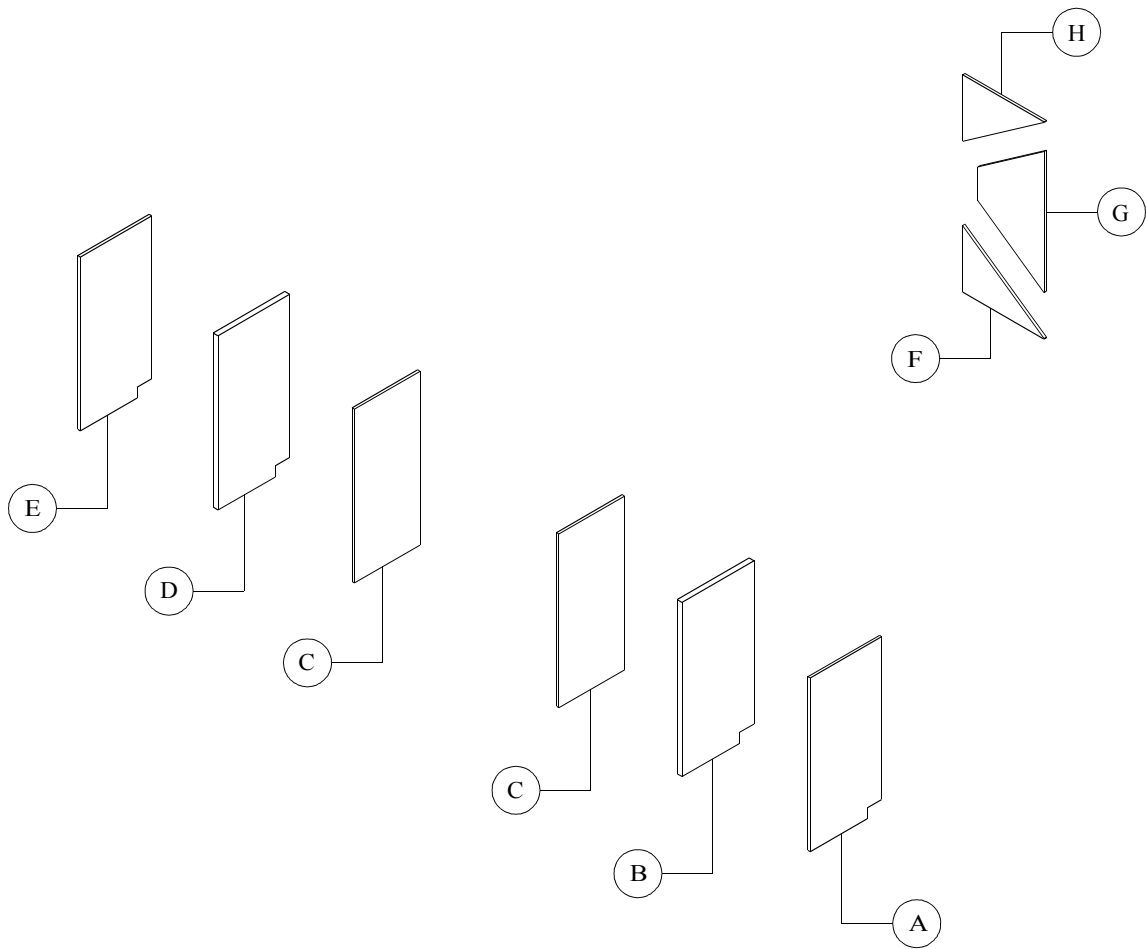
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54721204	Foam, LH Front Top	1	
B	54719703	Foam, Door	2	
C	54719711	Foam, Door	3	
D	54719646	Foam, Center Panel	2	
E	54719695	Foam, LH Side	1	
F	54759519	Foam, RH/LH Rear Side	4	
G	54759527	Foam, Rear	2	
H	54721675	Foam, RH Front	1	
J	54720065	Foam, Door	2	
K	54719661	Foam, Center Door	5	
L	54720057	Foam, Door	3	
M	54719653	Foam, RH Rear Side	1	
N	54699046	Foam, Top	7	
P	54699087	Foam, Center Top	2	
Q	54710041	Foam, Rear Top	1	

High Speed Running Gear Foam



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54675848	Foam, Splitter Baffle	1	
B	54675830	Foam, Splitter Baffle	1	
C	54675822	Foam, LH Baffle	1	
D	54675806	Foam, LH Baffle	1	
E	54675814	Foam, LH	1	
F	54685334	Foam, RH	1	
G	54685326	Foam, RH	1	
H	54759550	Foam, Bottom Door	1	
J	54759543	Foam, Center Door	1	
K	54759535	Foam, Top Door	1	
	54737606	Foam, LH Baffle (IQ Units)	1	
	54737598	Foam, LH Baffle (IQ Units)	1	

Wagon Wheel Foam



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54691134	Foam, LH Splitter Baffle	1	
B	54691175	Foam, LH Splitter Baffle	1	
C	54691118	Foam, Splitter Baffle	1	
D	54691191	Foam, RH Splitter Baffle	1	
E	54691159	Foam, RH Splitter Baffle	1	
F	54670459	Foam, Bottom Door	1	
G	54760442	Foam, Middle Door	1	
H	54760434	Foam, Top Door	1	
	54737606	Foam, LH Baffle (IQ units)	1	
	54737598	Foam, LH Baffle (IQ units)	1	

Wiring Parts Lists

ELECTRICAL COMPONENTS

PART NO.	QTY	DESCRIPTION	PART NO.	QTY	DESCRIPTION
54757224	1	IQ WIRING HARNESS	35128982	1	BATTERY JUMPER
54474572	1	COOLANT LEVEL SWITCH	35578194	1	FRAME GROUND STRAP
36896975	1	BATTERY DISCONNECT SWITCH	35293075	1	ENGINE GROUND STRAP
36920825	1	0-100 PSI PRESSURE TRANSDUCER	54672803	1	FUEL LEVEL SENDER (WAGON WHEEL)
36892362	1	24V SEALED RELAY	54672811	1	FUEL LEVEL SENDER (HIGH SPEED)
36785319	1	MAG SPEED SENSOR	22173579	1	WEDGE CONTROLLER
36898922	2	THERMISTOR TEMPERATURE PROBE	22614416	1	W1 CHASSIS HARNESS
36840841	1	START / RUN SOLENOID	36864677	2	REGULATOR-HEATER & CONTROL HEATER
36842318	1	COMPRESSOR SOLENOID	36792083	2	FUSE 20 AMP BLADE
22071591	1	15 AMP BLADE FUSE	35376169	4	DIODE
36847838	2	AIR FILTER SWITCH	22108690	1	CONTROL PANEL HARNESS
36870608	1	ENGINE OIL PRESSURE SENDER	22162549	1	E-STOP SWITCH ASSEMBLY
36841138	2	ENG. & COMP. TEMP SENDER	54752308	4	DIODE
54765649	1	ADDRESS PLUG	22639728	1	CONTROL PANEL HARNESS
36850691	1	START-UP COMPRESSOR	22635387	1	E-STOP SWITCH ASSEMBLY
35577873	1	AUXILARY START RELAY			
54720701	1	ENG. TEMP. SENDER ADAPTOR			
54765367	1	NEGATIVE BATTERY CABLE			
54765375	1	POSITIVE BATTERY CABLE			
54765383	1	POSITIVE JUMPER BATTERY CABLE			

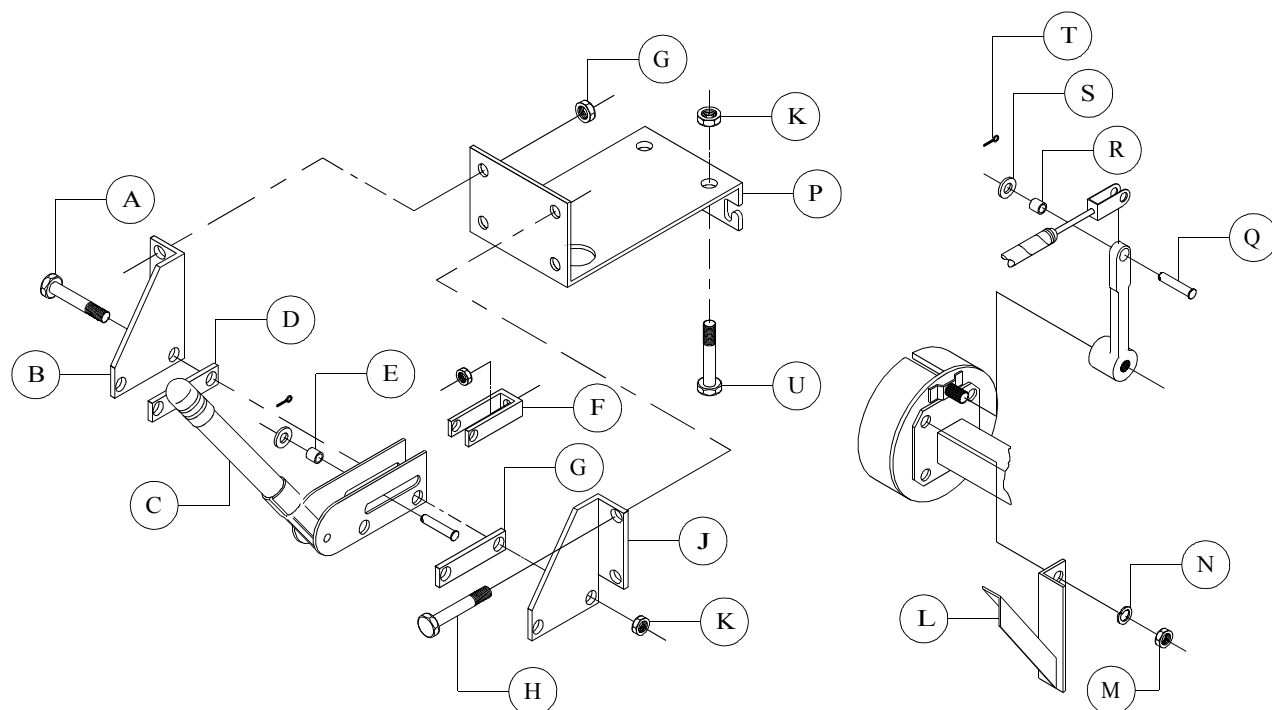
IQ OPTION

PART NO.	QTY	DESCRIPTION
54757224	1	IQ WIRING HARNESS
54775887	1	IQ HEATER HARNESS
36841526	5	IQ ORIFICE HEATERS
36898310	1	ACTUATOR
36898922	1	THERMISTOR TEMP. PROBE
36892362	1	24V SEALED RELAY
36920643	1	ICU
36899599	1	IQ FILTER SWITCH - 20 PSI
36899615	1	IQ FILTER SWITCH - 25 PSI

AC Heater Kit

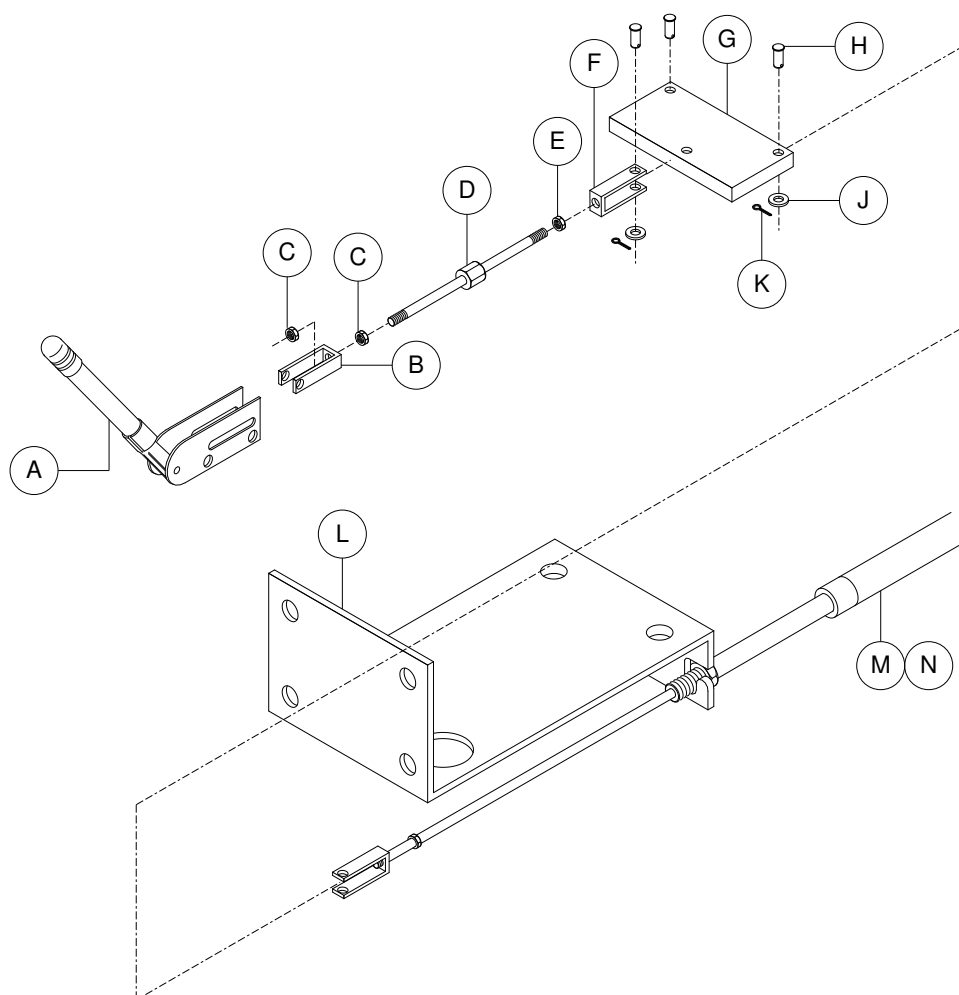
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	36851533	Bracket, Pressure Switch	1	
	36880995	Screw (Attach Bracket)	2	
	36879195	Nut (Attach Bracket)	2	
	54464607	AC Powered Cold Start Assy.	1	
	54464664	Harness, Pressure Switch	1	
	54480298	Well, Thermostat	1	
	54464623	Heater, Oil Pan	1	
	36920346	Pad, Heater 8D Battery	1	
	36920338	Pad, Heater 8D Battery	1	
	35283464	Elbow (In Threaded Port of Press. Switch)	1	
	35114545	Tee (In Adapter at Engine Oil Port)	1	
	35283472	Connector (In Tee Facing Lifting Bail)	1	
	22474878	DC Heater Harness (Connect to R3 on W1 Harness)	1	
	22476063	DC Heater Harness (Connect to R1 on W1 Harness)	1	
	36841526	24 Volt Heater	1	
	35283464	Elbow, 90 (In Thread Port at Press. Sw.)	1	
	35114545	Tee (In Adapter at Eng. Oil Port)	1	
	35282920	Hose Assembly (Between Elbow & Tee)	1	
	35326560	Adapter (In End of Engine Blow-by Hose- Remove Cummins)	1	

Wagon Wheel Parking Brake Assembly



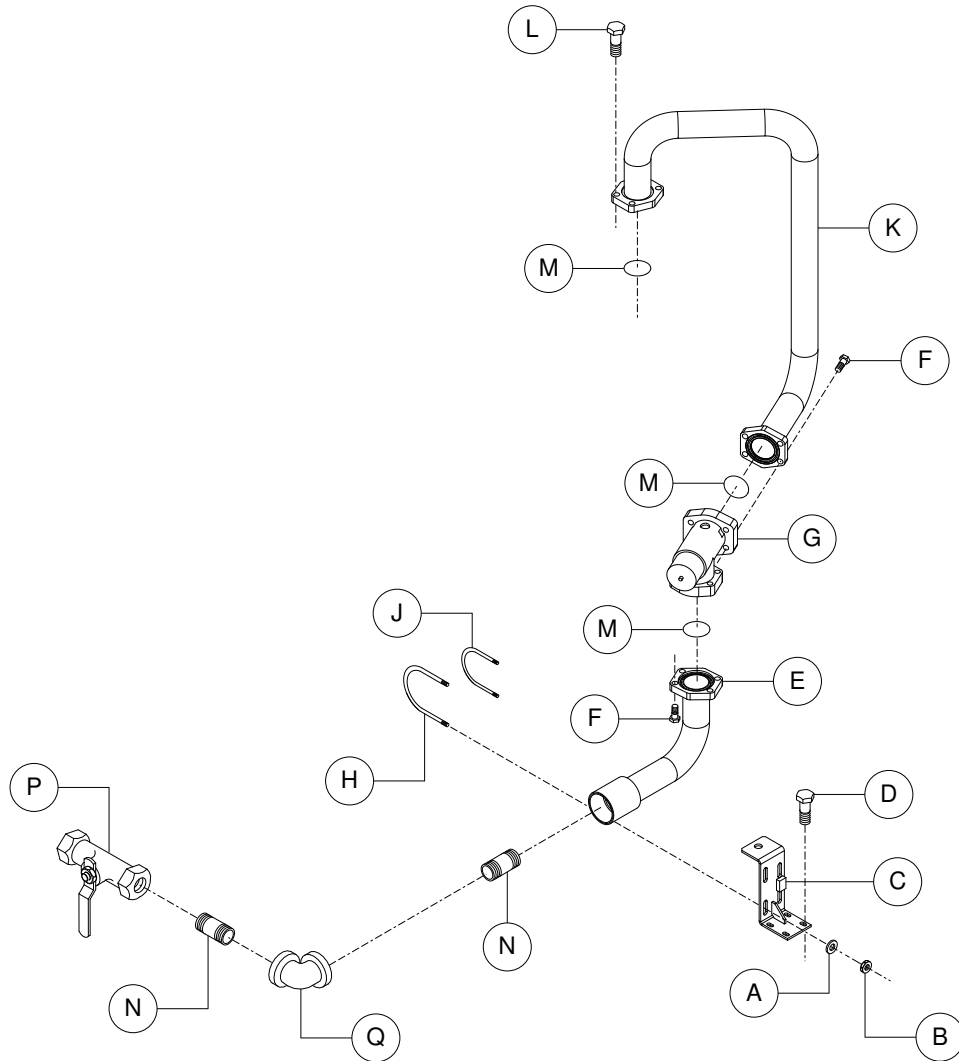
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95941100	Screw	2	
B	36847432	Bracket, RH Lever	1	
C	36782878	Lever, Brake	1	
D	35603224	Plate, Spacer	2	
E		Furnished with Lever	2	
F	35603208	Clevis, Brake Lever	1	
G	35252618	Nut	4	
H	36877793	Screw	4	
J	36847440	Bracket, LH Lever	1	
K	35145077	Nut	4	
L	36786887	Bracket, LH Cable Latch	1	
	36786895	Bracket, RH Cable Latch	1	
M	95916573	Nut	8	
N	95934741	Washer	8	
P	36783306	Bracket, Front Cable Latch	1	
Q	36783785	Pin Clevis	2	
R	36786697	Bushing	2	
S	95935037	Washer	2	
T	95928867	Pin, Cotter	2	
U	36880995	Screw	2	

Wagon Wheel Parking Brake Assembly



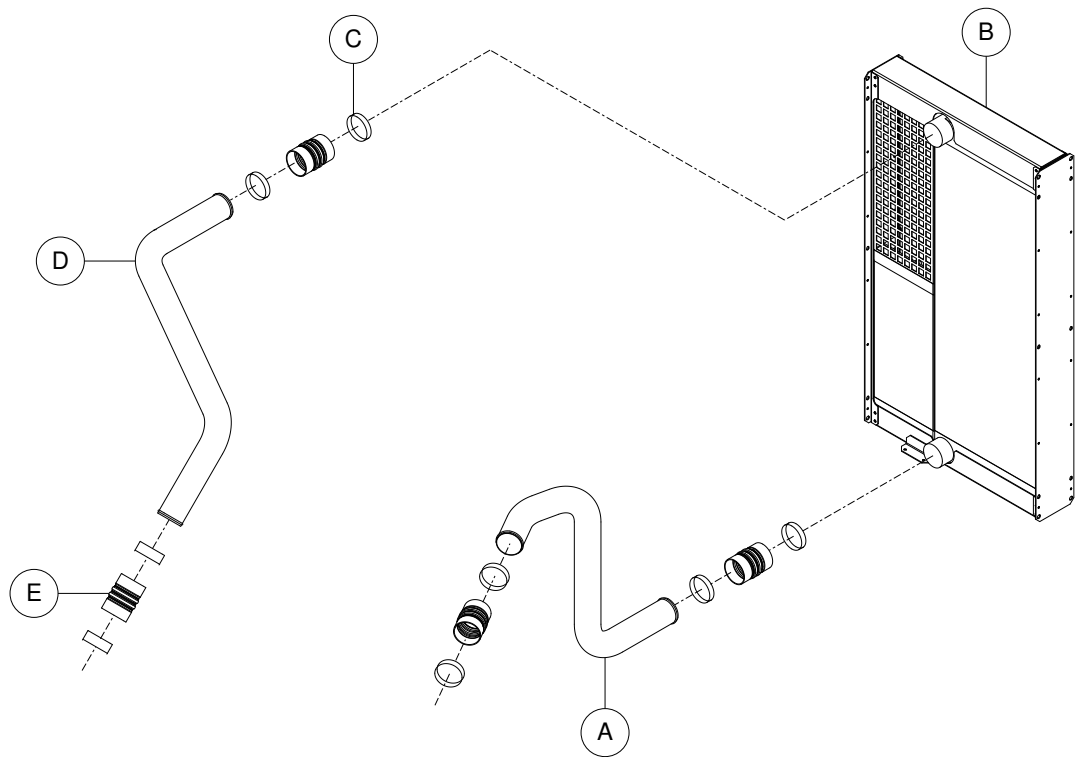
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36782878	Lever, Brake	1	
B	35603208	Clevis, Brake Lever	1	
C	35118728	Nut	2	
D	35603182	Rod, Link	1	
E	95935086	Nut	2	
F	35603216	Equalizer, Clevis	1	
G	35602846	Equalizer, Cable	1	
H	35357151	Pin, Clevis	3	
J	95934998	Washer	3	
K	95928867	Pin, Cotter	3	
L	36783306	Bracket, Front Cable Latch	1	
M	22064141	Cable, RH Brake	1	
N	22064000	Cable, LH Brake	1	

Separator Air Piping



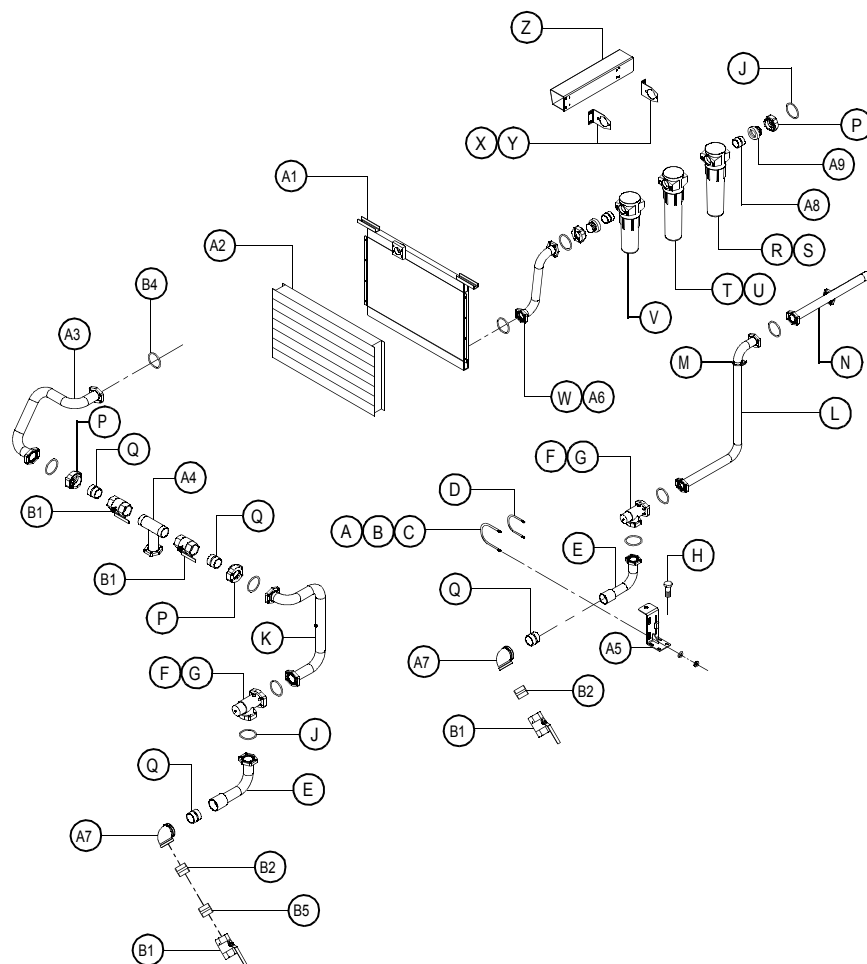
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95935003	Washer	4	
B	95922902	Nut	4	
C	54668314	Support, Pipe	1	
D	35130293	Screw	4	
E	36898120	Pipe	1	
F	95927273	Screw	8	
G	54642152	Valve, Minimum Pressure	1	
H	36799419	Clamp	1	
J	35586288	Clamp	1	
K	54642137	Pipe	1	
L	95929089	Screw	4	
M	95358040	O-Ring	1	
N	95940946	Nipple	2	
P	36755718	Valve, Ball	1	
Q	95916581	Elbow	1	

Charge Air Piping



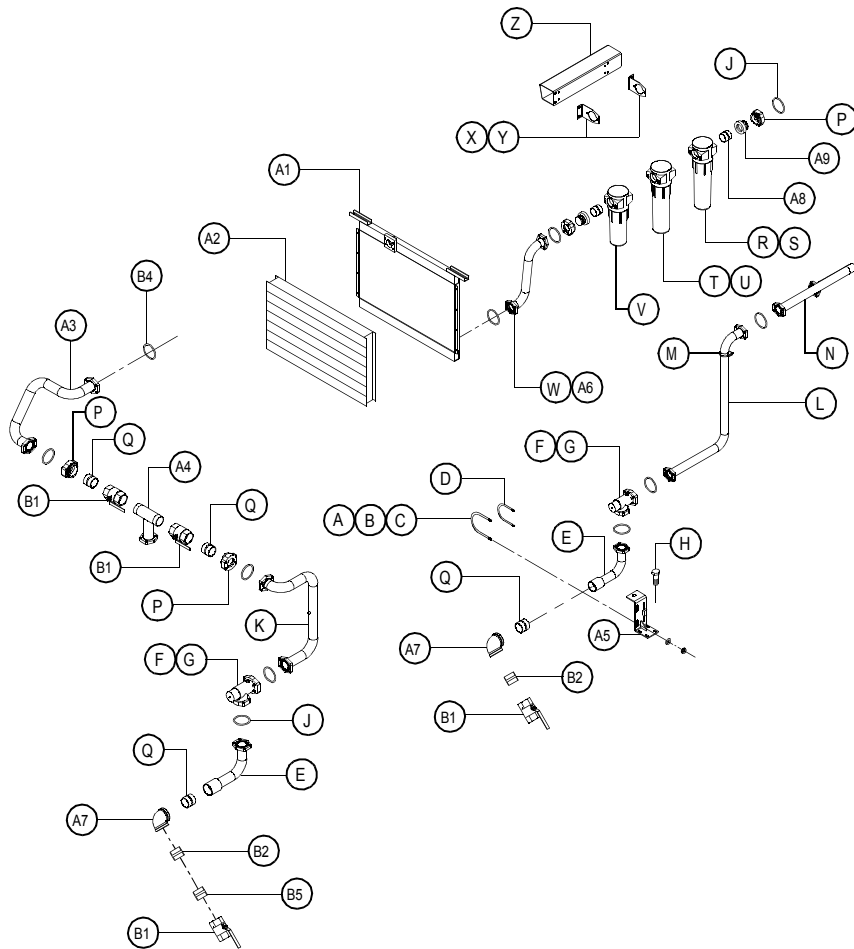
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54632690	Tube, Bottom A/C	1	
B	54501846	Cooler, Air Charge	1	
C	54444427	Clamp	8	
D	54632682	Tube, Upper A/C	1	
E	54422522	Hose, Ribbed	4	

IQ Air Piping (Option)



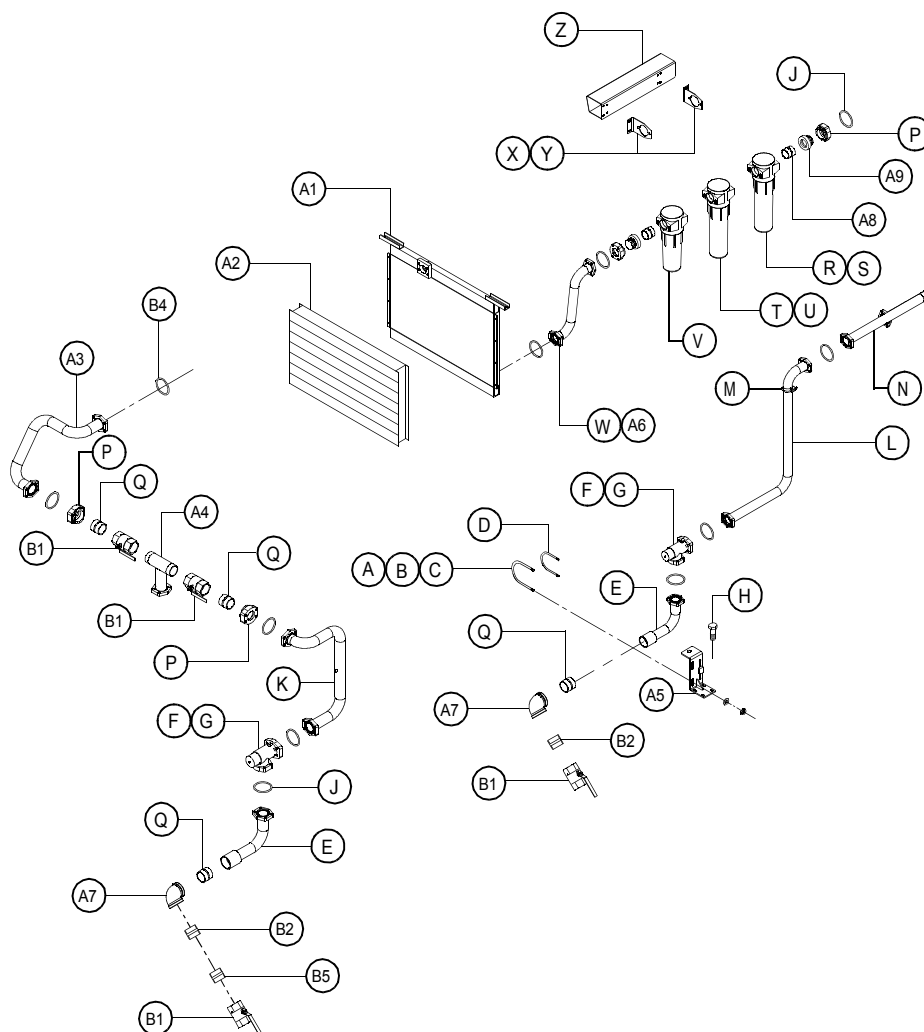
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36799419	U-Bolt	2	
B	95935003	Washer	8	
C	95922902	Nut	8	
D	35586288	Clamp	2	
E	36898120	Pipe, Service (No PED with IQ)	2	
	22205090	Pipe, Service (PED with IQ)	2	
F	54642152	Valve, Minimum Pressure (No PED)	2	
	22207534	Valve, Minimum Pressure (With PED)	2	
G	95927273	Screw	36	
H	35130293	Screw	8	
J	95357976	O-Ring	3	
K	22104558	Pipe, Bypass (No PED with IQ)	1	
	22205181	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	Continued.....

IQ Air Piping (Option)



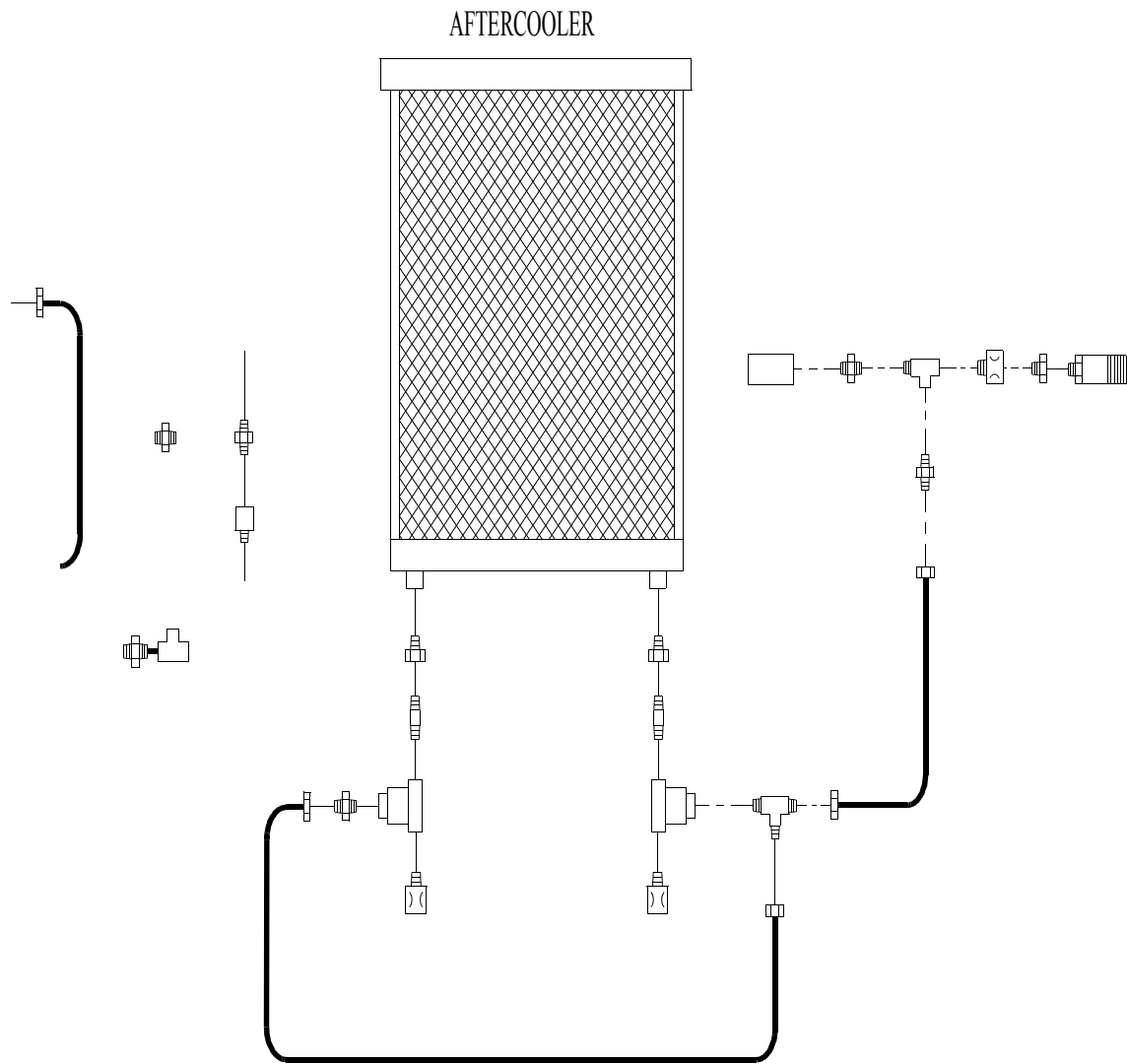
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	36893220	Adapter, Flange	3	Continued
Q	95940946	Nipple	6	
R	54738984	Filter, Secondary	1	
	23178940	Filter, Secondary	1	
S	54739065	Element, Filter	1	
	23178957	Element, Filter	1	
T	54738976	Filter, Primary	1	
	23178932	Filter, Primary	1	
U	54739057	Element, Filter	1	
	23178965	Element, Filter	1	
V	54738968	Separator, Water	1	
	23178924	Separator, Water	1	
W	54734090	Pipe, Filter (No PED with IQ)	1	
	22205215	Pipe, Filter (PED with IQ)	1	
X	54739016	Kit, Bracket / Wedge	1	
Y	54739024	Kit, Wedge	1	
Z	54732250	Bracket, Filters	1	
A1	54699129	Cooler Assembly	1	Continued.....

IQ Air Piping (Option)



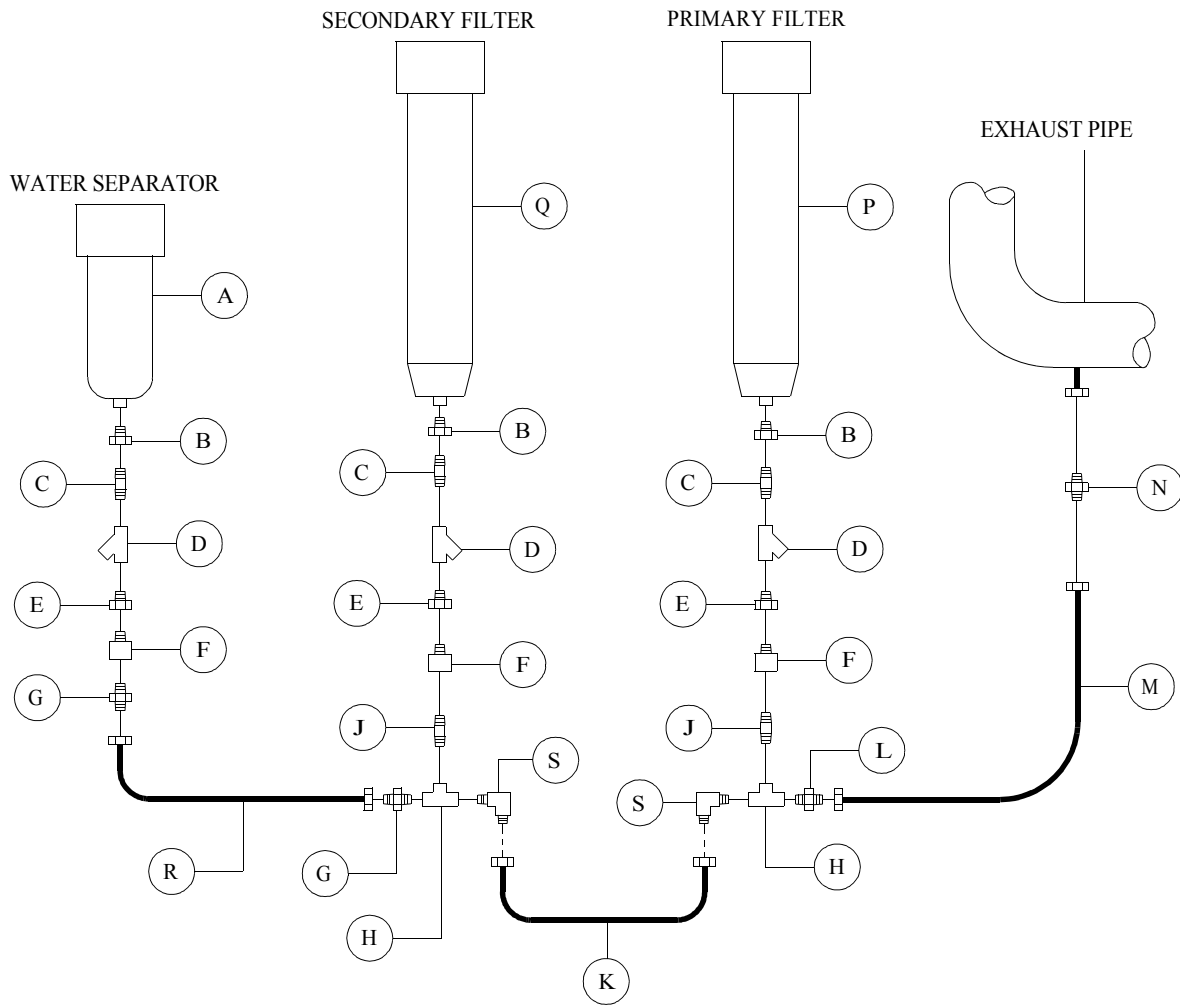
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A2	54700943	Louver Assembly	1	Continued
A3	22104541	Tube, Inlet (No PED with IQ)	1	
	22205173	Tube, Inlet (PED with IQ)	1	
A4	22097489	Pipe, Tee (No PED with IQ)	1	
	22205116	Pipe, Tee (PED with IQ)	1	
A5	54668314	Support, Pipe	2	
A6	95929089	Screw	32	
A7	95941027	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	
B4	95358040	O-Ring	8	
B5	22110571	ESA Service Valve Adapter	1	

IQ Cooler Piping (Option)



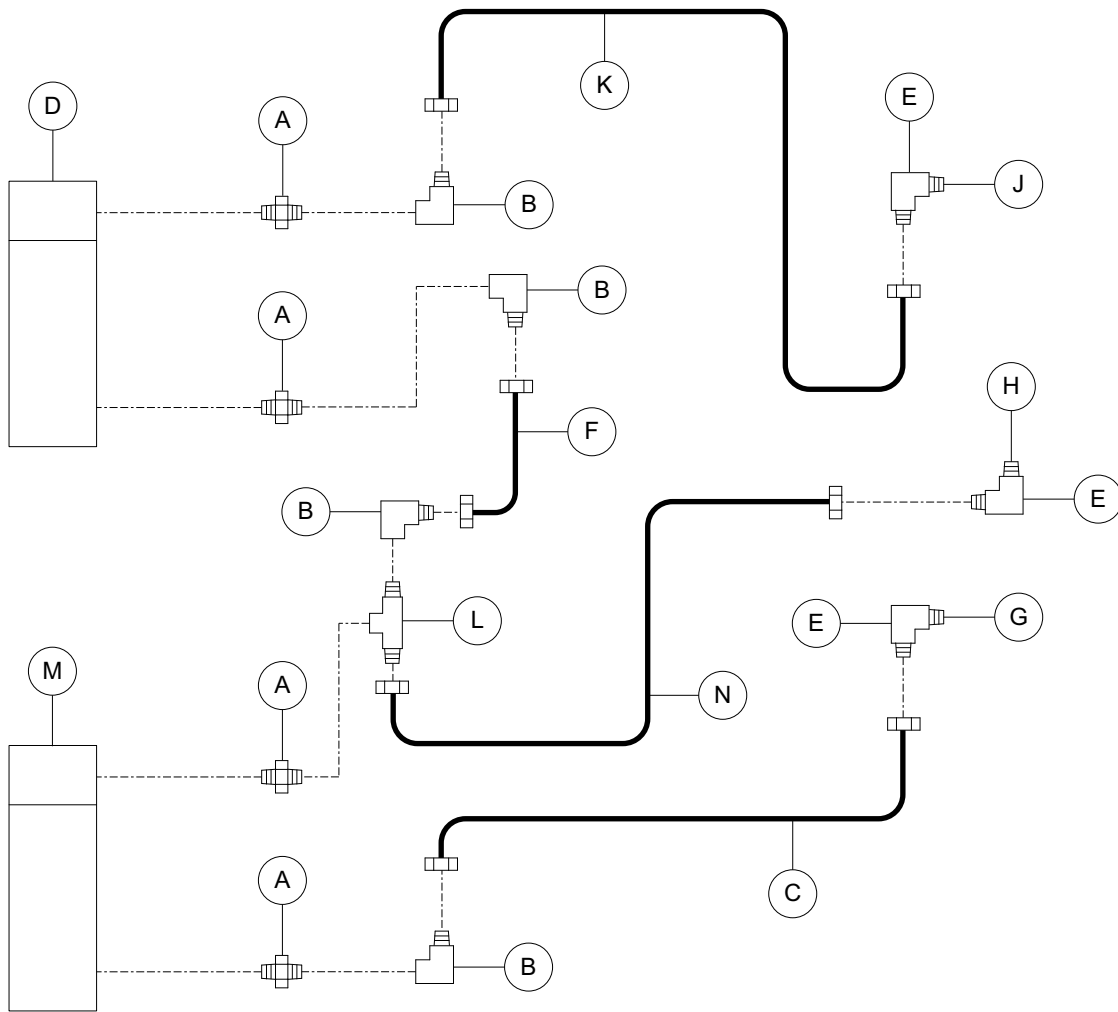
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A		To Side Outlet of Tee LH Side of Auto-Blowdown Valve		
B	35284082	Connector	1	
C	35310994	Hose Assembly	1	
D	35282995	Hose Assembly	1	
E	35322379	Valve, Blowdown	1	
	35379064	Diaphragm Kit	1	
F	35367846	Reducer	1	
G	35284082	Connector	1	
H	35283050	Tee	1	
J	35248319	Orifice, .094	1	
	36898922	Probe, Temperature	1	

IQ Filter Piping



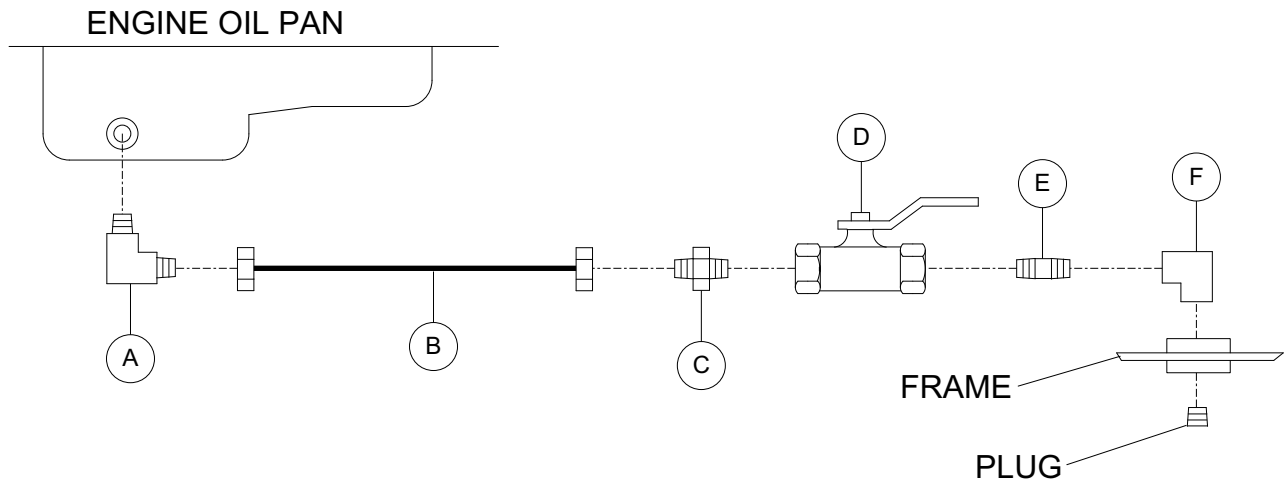
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54738968	Separator, Water	1	
B	95245353	Adapter	1	
C	95772562	Nipple	1	
D	36844579	Y-Strainer	1	
E	95940748	Adapter	1	
F	37081528	Orifice .063	1	
G	35283472	Connector	1	
H	36882223	Tee	1	
J	95452025	Nipple	1	
K	35310960	Hose Assembly	1	
L	35284082	Connector	1	
M	35284538	Hose Assembly	1	
N	35321983	Connector	1	
P	54738976	Filter, Primary	1	
Q	54738984	Filter, Secondary	1	
R	35283241	Hose Assembly	1	
S	35283464	Elbow	1	

IQ Indicator Piping



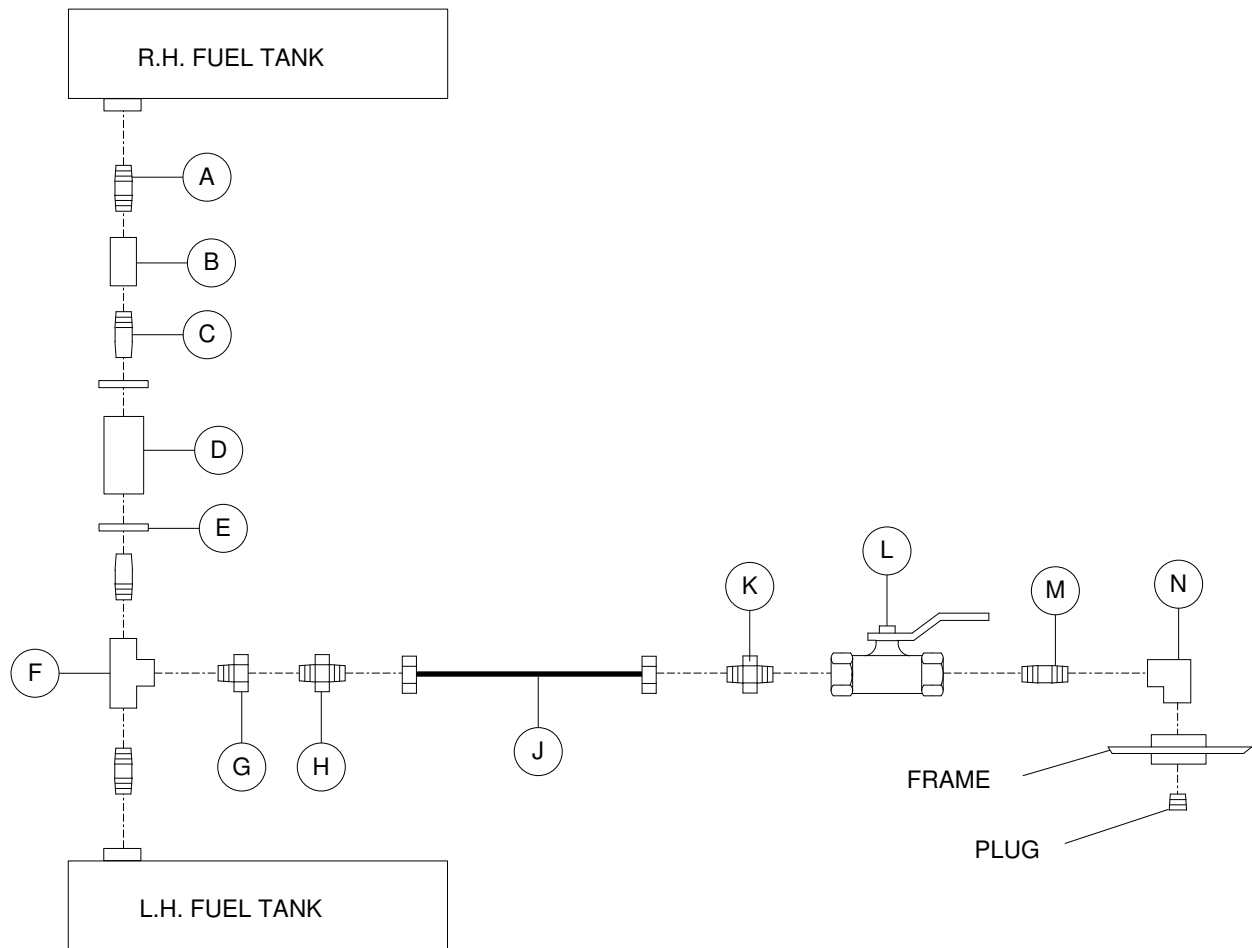
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36898401	Connector	1	
B	35290352	Elbow	1	
C	35310226	Hose Assembly	1	
D	36899599	Indicator (20 psi)	1	
E	35283464	Elbow	1	
F	35310960	Hose Assembly	1	
G	-----	To Water Separator Tube		
H	-----	To Filter Crossover Tube		
J	-----	To Filter Outlet Tube	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

Engine Oil Drain Piping



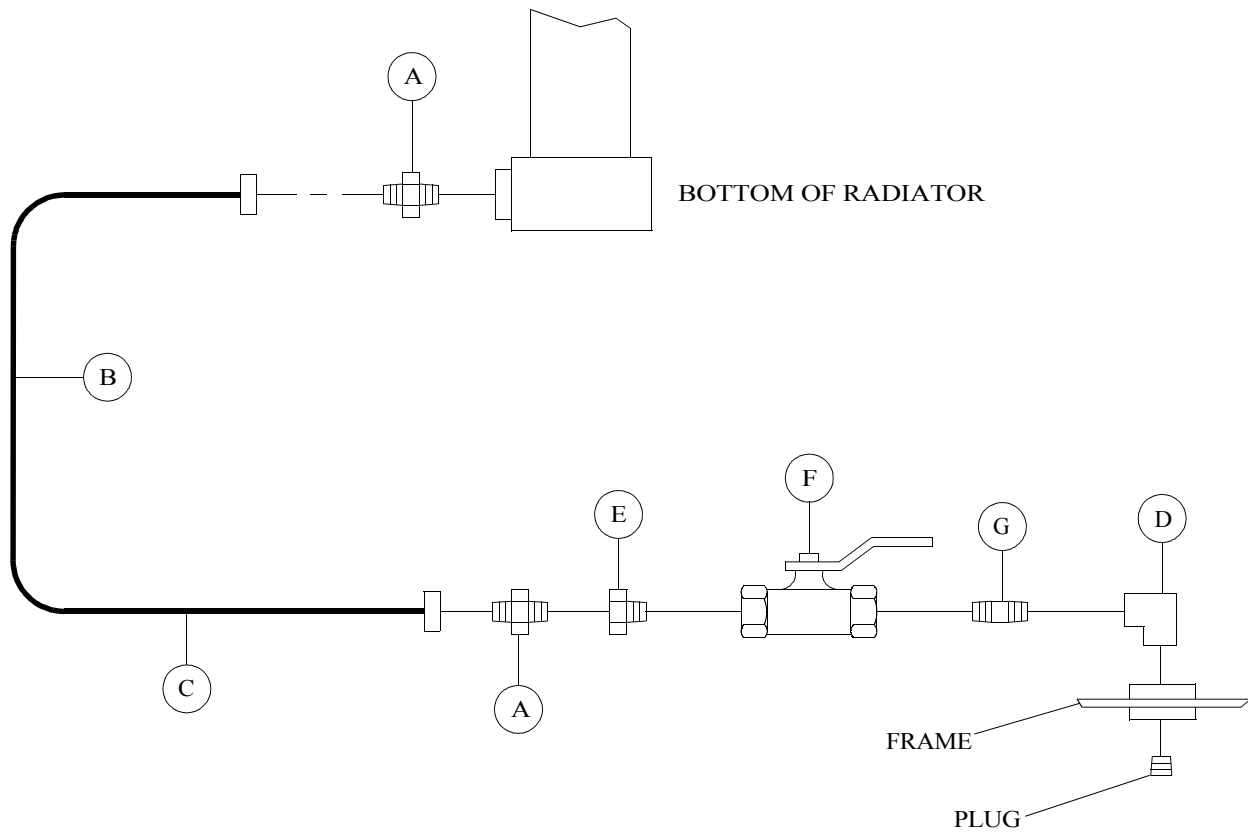
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22063937	Elbow	1	
B	35323880	Hose Assembly	1	
C	95219747	Connector	1	
D	35576115	Valve, Ball	1	
E	95928040	Nipple	1	
F	95928172	Elbow	1	

Fuel Tank Drain Piping



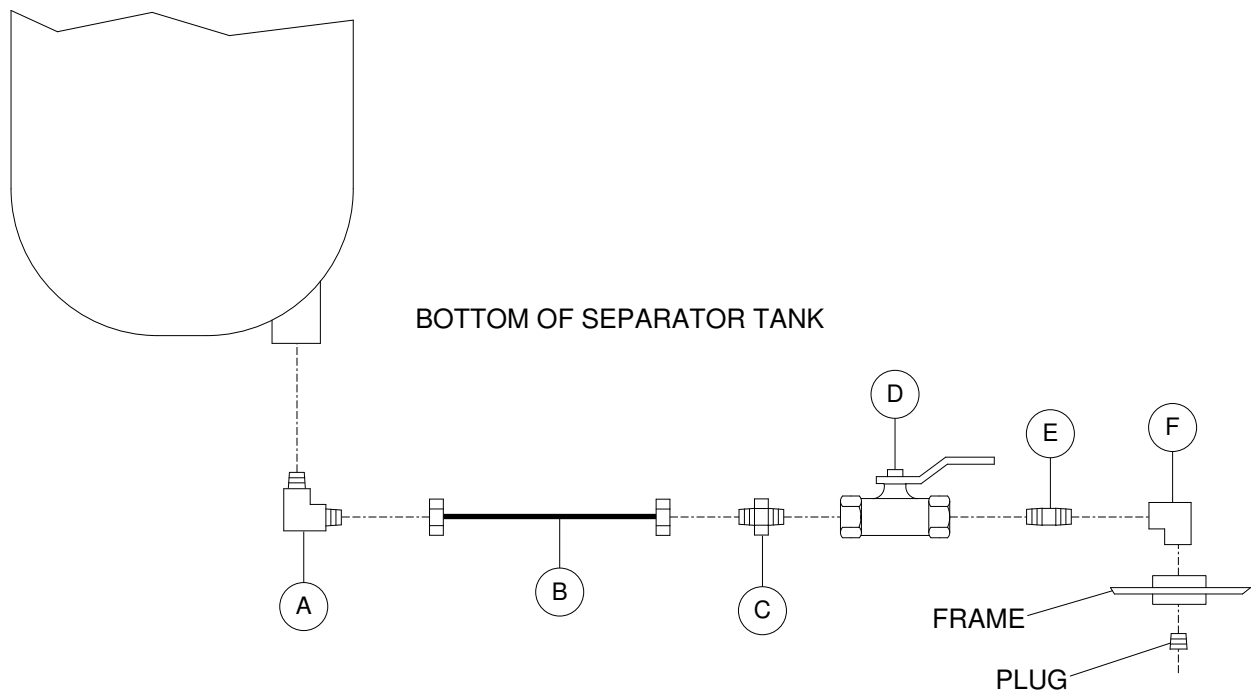
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95953535	Nipple	2	
B	95937454	Connector	1	
C	54762190	Fitting, Hose	2	
D	54762182	Hose (19")	1	
E	35221662	Clamp	2	
F	95954285	Tee	1	
G	95953873	Reducer	1	
H	95219747	Connector	1	
J	36898328	Hose Assembly	1	
K	95219747	Connector	1	
L	35576115	Valve, Ball	1	
M	95928040	Nipple	1	
N	95928172	Elbow	1	

Radiator Drain Piping



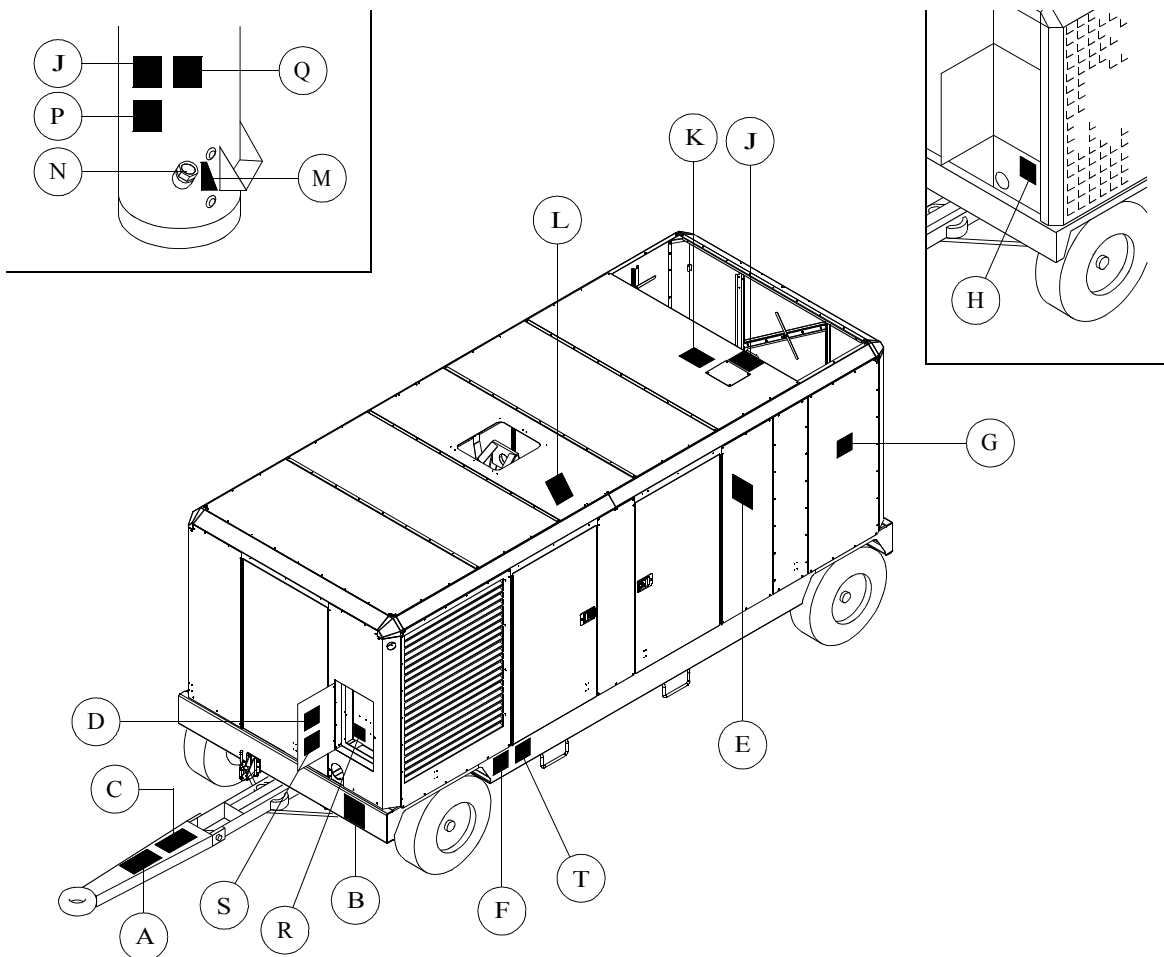
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35326560	Connector	1	
B	95220844	Clamp	2	
C	35326578	Hose (110")	1	
D	95928172	Elbow	1	
E	95953949	Reducer	1	
F	35576115	Valve, Ball	1	
G	95928040	Nipple	1	

Separator Tank Drain Piping



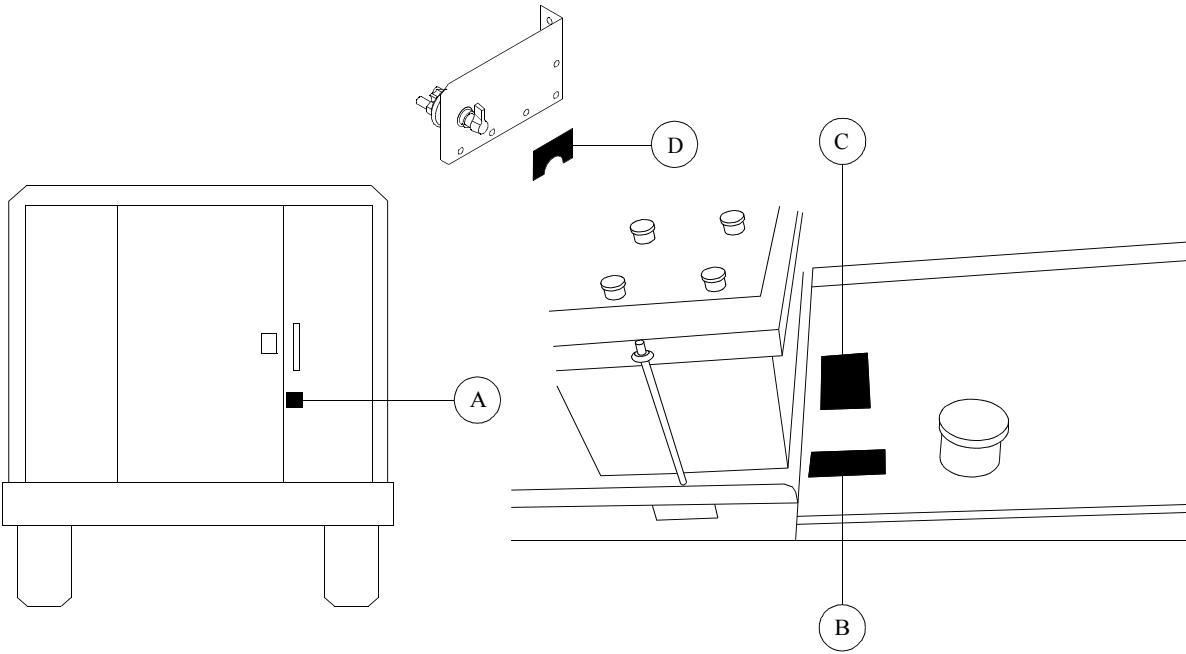
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35294750	Elbow	1	
B	36878254	Hose Assembly	1	
C	95219747	Connector	1	
D	35576115	Valve, Ball	1	
E	95928040	Nipple	1	
F	95928172	Elbow	1	

Decal Location



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568803	Towing Decal (High Speed Running Gear)	1	
B	54629902	3-Part Warning Decal	1	
C	22055701	Towing Decal (Wagon Wheel)	1	
D	54568787	Improper Operation Decal	1	
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	2	
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	Operating Instructions Decal (Instr. Pnl.)	1	
S	22056378	Operating Instructions Decal	1	
T	22164305	Containment Decal	4	

Decal Location



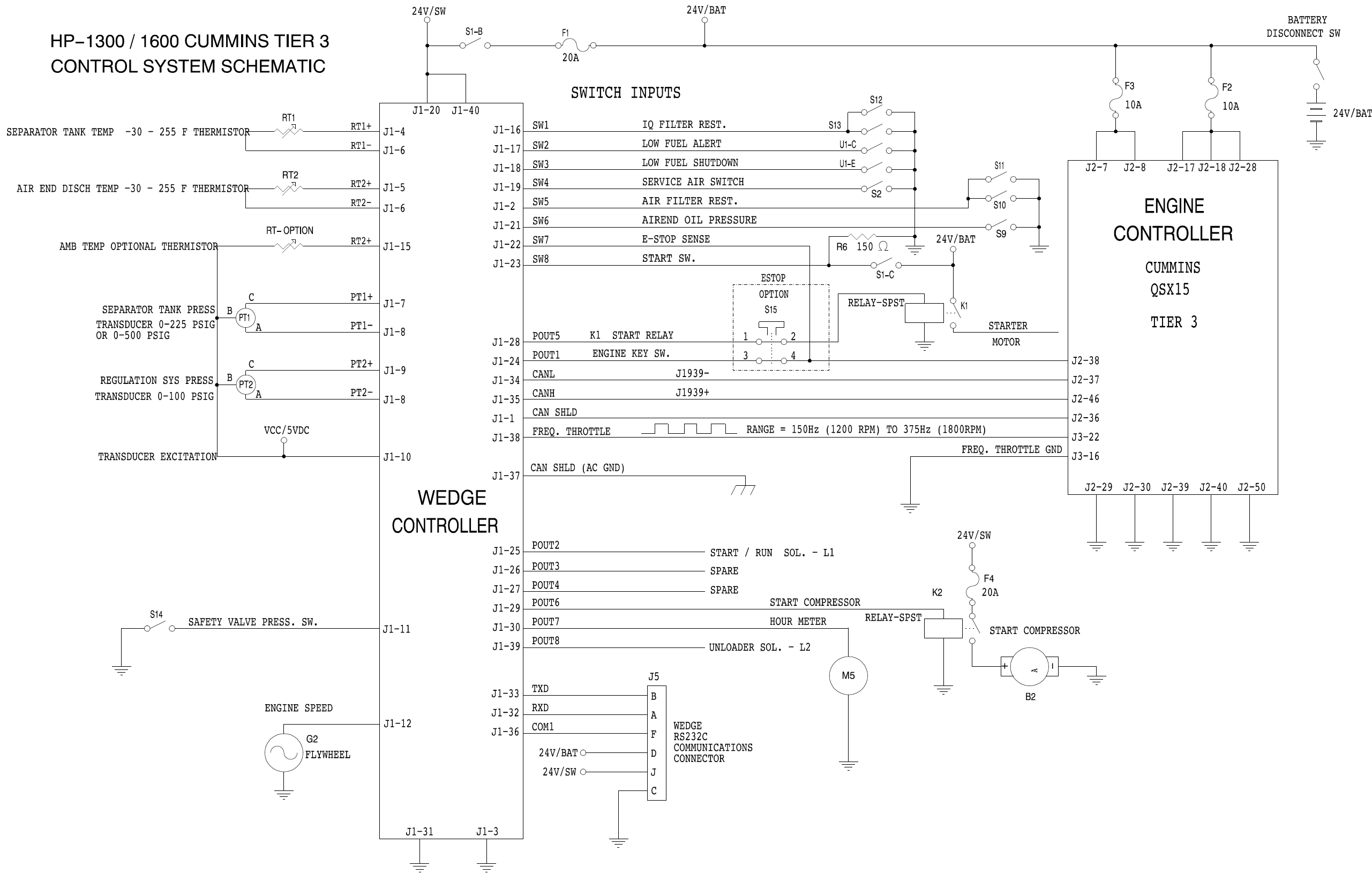
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54604988	Door Under Pressure Decal	1	
B	54625207	Diesel Fuel Decal	2	
C	54568753	Battery Gas Decal	1	
	54629977	Central Drain Decal	1	
	22189583	Cummins Engine Filter Decals	1	
	22846364	Wiring Diagram Laminates	1	



Section C - WIRING SCHEMATICS

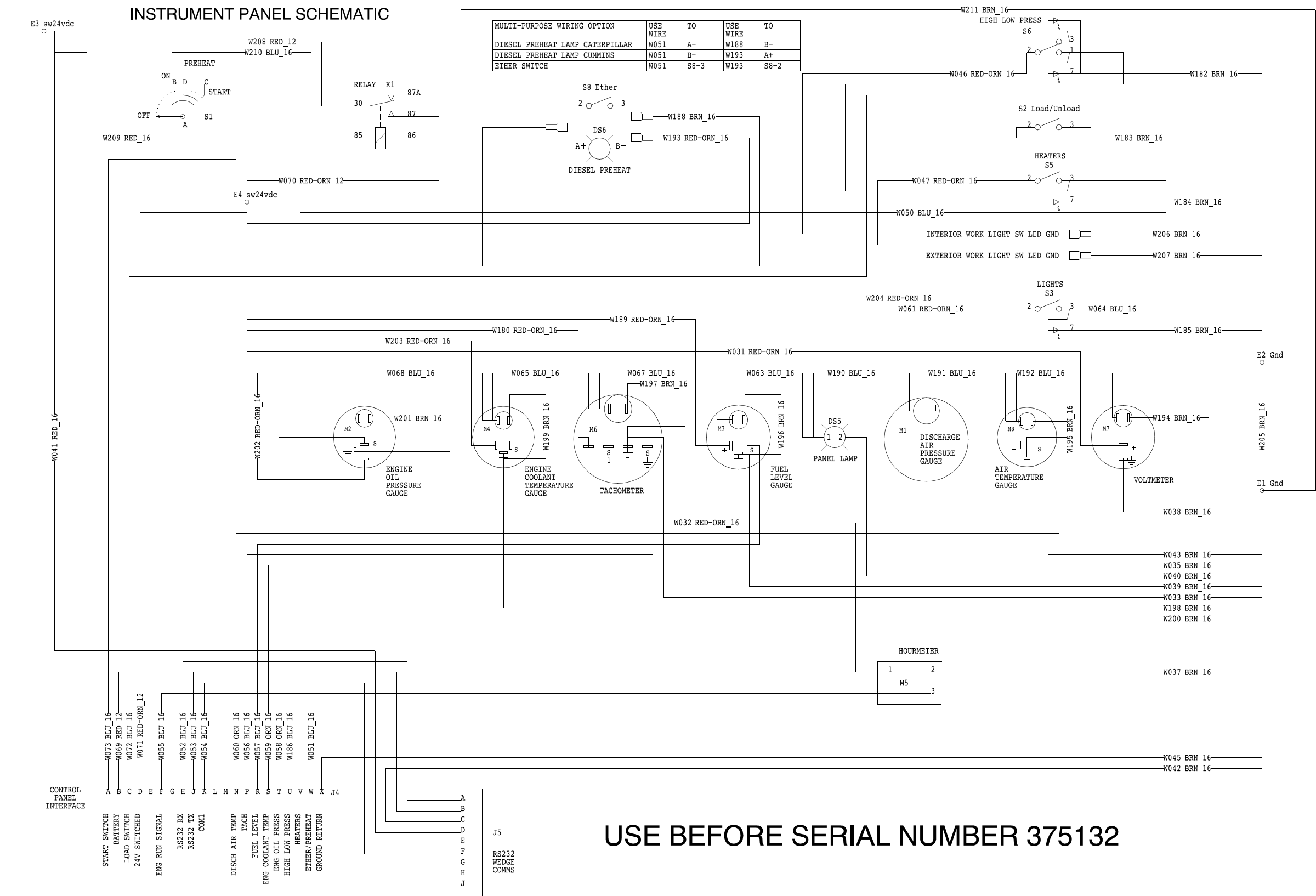
Control System Wiring Diagram

HP-1300 / 1600 CUMMINS TIER 3
CONTROL SYSTEM SCHEMATIC



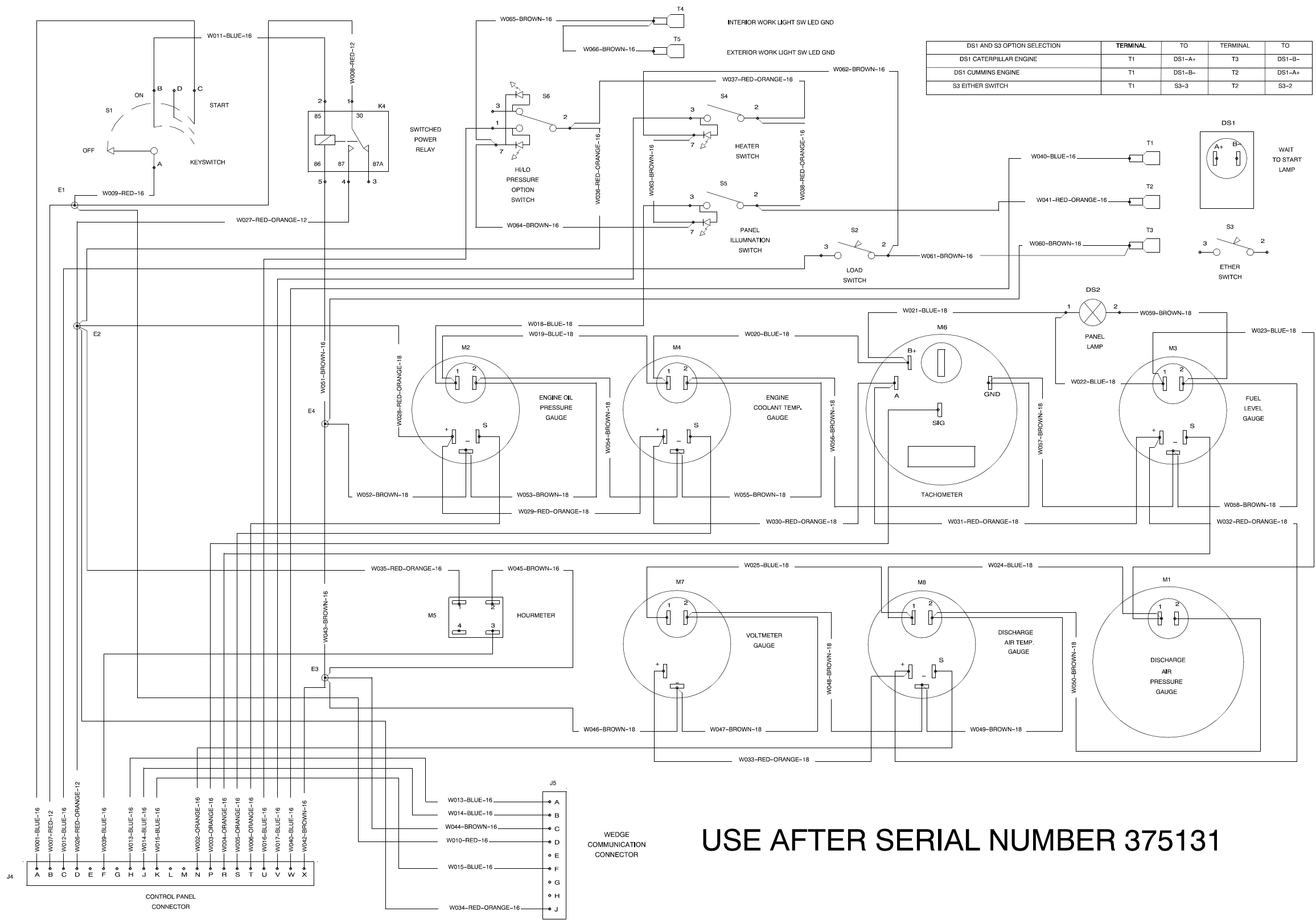
22742951_071_06/04_A

Control System Wiring Diagram

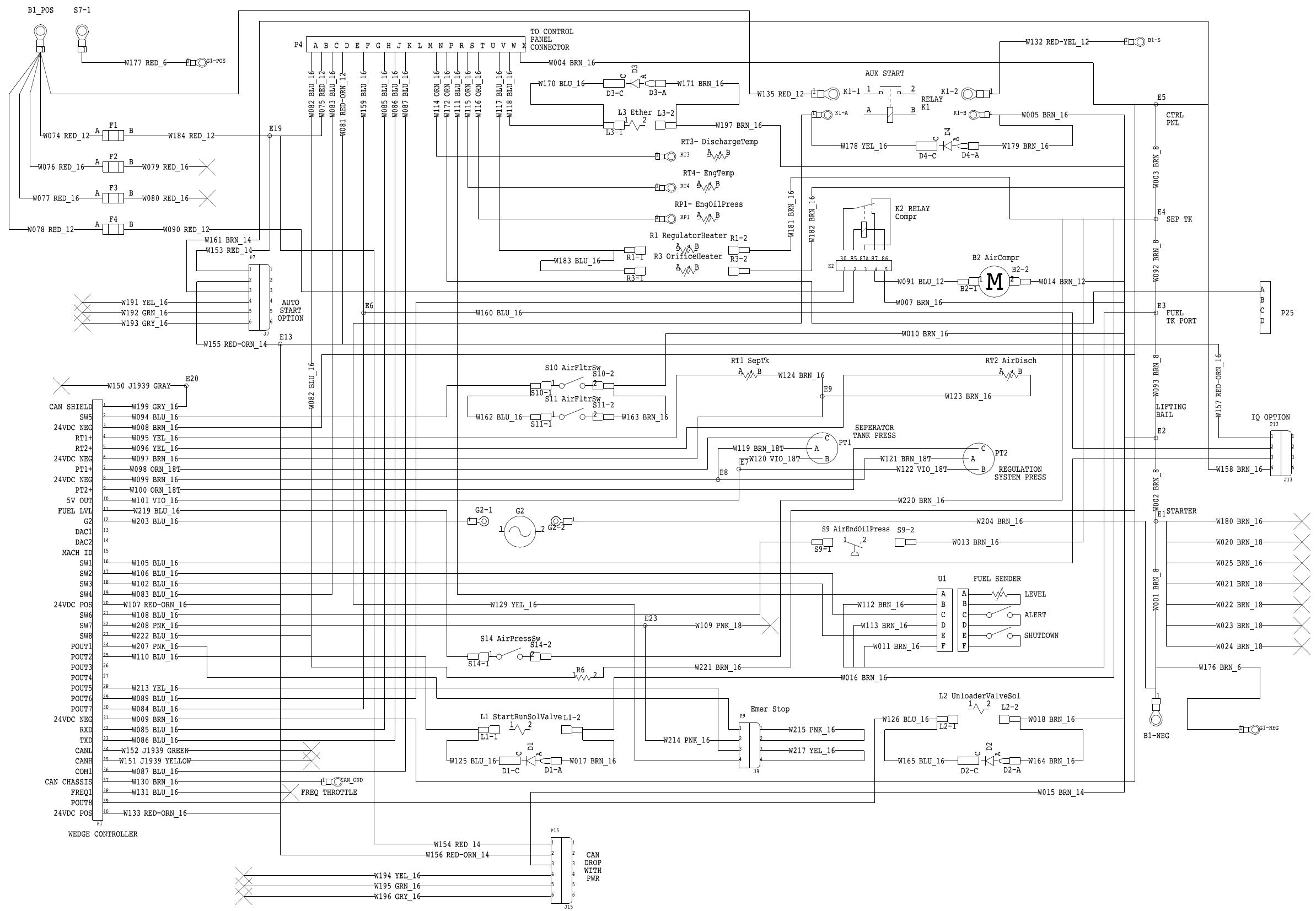


USE BEFORE SERIAL NUMBER 375132

Control System Wiring Diagram

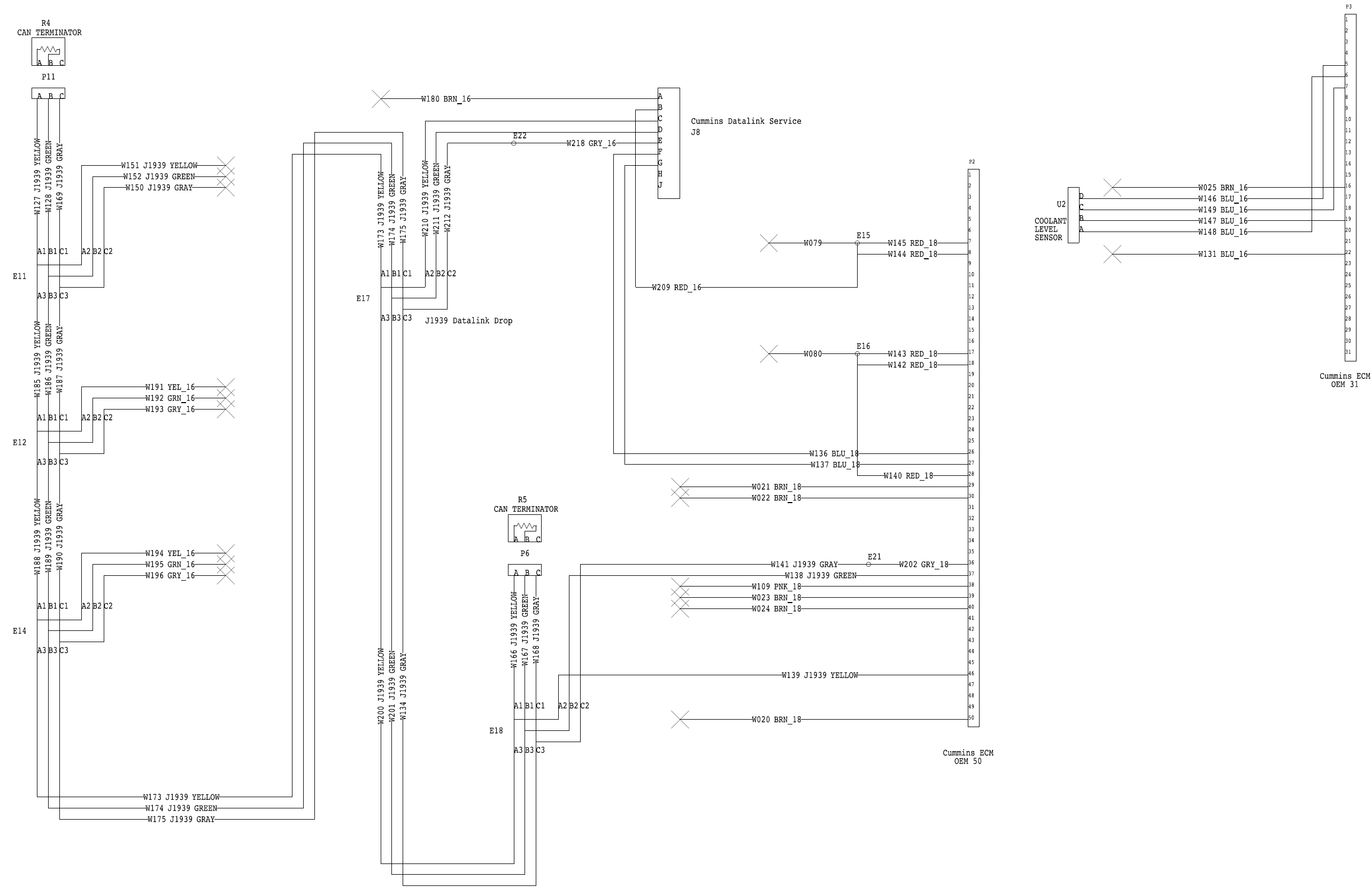


Control System Wiring Diagram



22742951_073_06/04_A

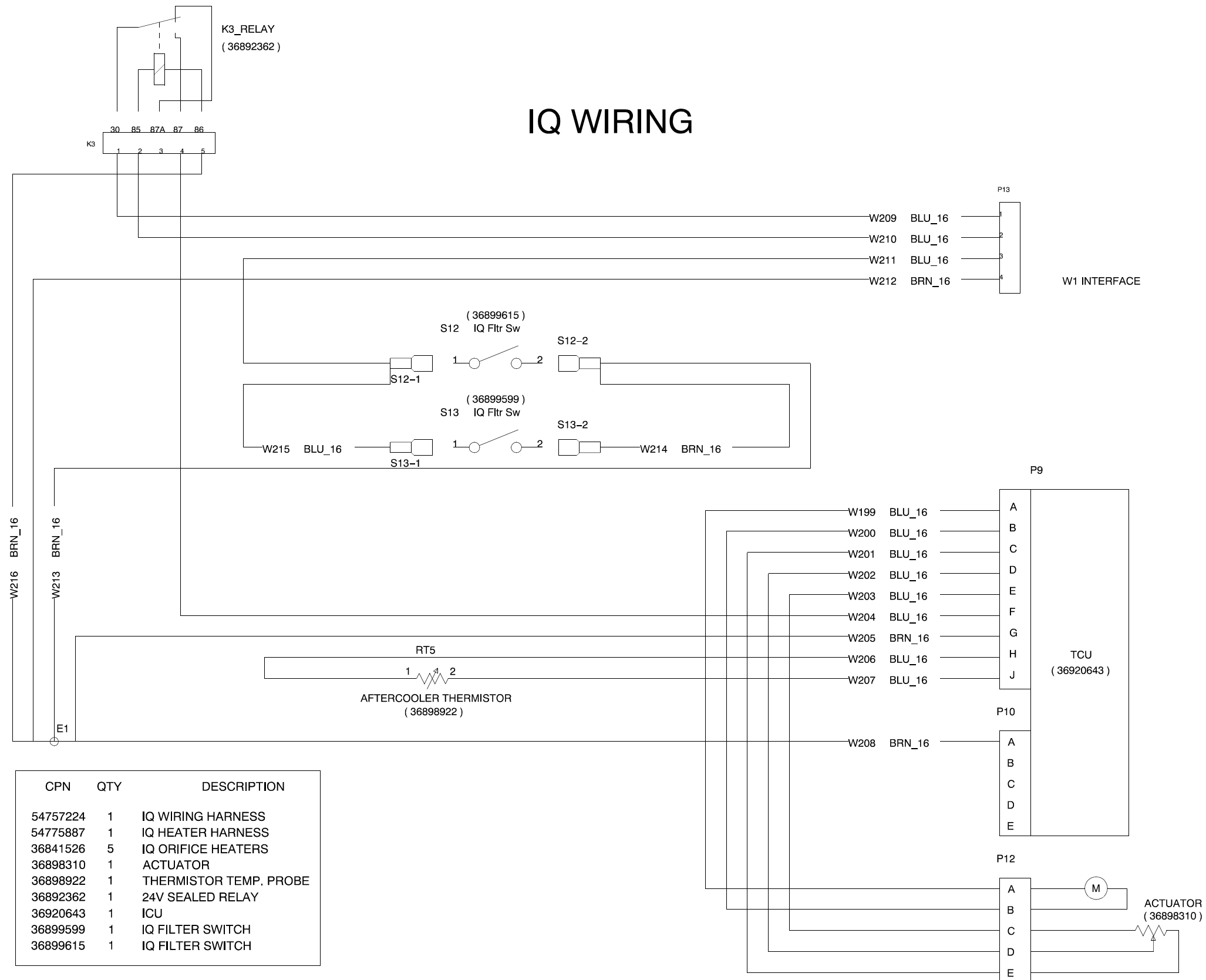
Control System Wiring Diagram



22742951_074_06/04_A

IQ Wiring Diagram

IQ WIRING



22742951_074_06/04_A

WIRING PARTS LIST

ITEM	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES	ITEM	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES		
		CONTROL SYSTEM		U1	54672803	Sender, Fuel (Wagon)			
B2	36850691	Startup Compressor			54672811	Sender, Fuel (High Speed)			
D1-D4	35376169	Diode		U2	54474572	Switch, Water Level			
F1,F3	36792083	20 Amp Fuse		W1	22661854	Chassis Harness			
F2	89303184	15 Amp Fuse							
G2	36870665	Mag Speed Sensor							
K1	35577873	Auxiliary Start Relay							
K2	36892362	Relay, 24VDC SPDT							
K3	36892362	Relay, 24VDC SPDT							
L1,L2	36842300	Start / Run Solenoid Valve							
M1	36840767	Gage, 200 psi Pressure	Before S/N 375132						
	36841468	Gage, 600 psi Pressure	After S/N 375131						
M2	22277057	Gage, 150 psi Pressure	Before S/N 375132	K3	36892362	Relay, IQ			
	22692628	Gage, 150 psi Pressure	After S/N 375131	S12	36899615	Indicator, 25 psi Pressure			
M3	22050991	Gage, Fuel Level	Before S/N 375132	S13	36899599	Indicator, 20 psi Pressure			
	22692602	Gage, Fuel Level	After S/N 375131	RT5	36898922	Sensor, Temperature			
M4	22327266	Gage, Temperature (Eng. Coolant)	Before S/N 375132		54757224	IQ Wiring Harness			
	22692610	Gage, Temperature (Eng. Coolant)	After S/N 375131		54775887	IQ Heater Harness			
M5	54766704	Hourmeter			36841526	IQ Orifice Heaters			
M6	22055883	Tachometer			36898310	IQ Actuator			
M7	22399349	Voltmeter	Before S/N 375132						
	22692594	Voltmeter	After S/N 375131		22173579	Wedge Controller			
M8	22327266	Gage, Temperature (Air Discharge)	Before S/N 375132		22108690	Control Panel Harness	Before S/N 375132		
	22692610	Gage, Temperature (Air Discharge)	After S/N 375131		22817829	Control Panel Harness	After S/N 375131		
PT1	54496773	0-225 psi Pressure Transducer			36896975	Battery Disconnect Switch			
PT2	36920825	0-100 psi Pressure Transducer			54765367	Negative Battery Cable			
R1	36864677	Regulator Heater			54765375	Positive Battery Cable			
R3	36841526	Control Orifice Heater			23268105	Positive Jumper Cable			
R4	-----	Terminator, CAN		U1	54672803	Sender, Fuel (Wagon)			
R6	-----	Resistor, 150 ohm			54672811	Sender, Fuel (High Speed)			
RP1	36870608	Engine Oil Press Sender		U2	54474572	Switch, Water Level			
RT1,RT2,RT5	36898922	Thermistor Temperature Sensor		W1	22661854	Chassis Harness			
RT3, RT4	36841138	Temperature Sender		U1	54672803	Sender, Fuel (Wagon)			
S1	22127385	Switch, Start			54672811	Sender, Fuel (High Speed)			
S2	22054076	Switch, Load							
S3	22053896	Switch, Light							
S5	22054050	Switch, Heater							
S6	22054084	Switch, Hi / Lo							
S8	22054068	Switch, Ether							
S9	36757581	Switch, Air End Oil Pressure							
S10, S11	36847838	Air Filter Switch							
S12	36899615	IQ Filter Switch							
S13	36899599	IQ Filter Switch							
S14	36757581	Safety Valve Press Switch							
S15	22162549	Switch, E-stop							



Section D - RECOMMENDED SERVICE PARTS

QTY	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES
1	36850691	Electric Compressor	
1	35328210	Unloader Valve	
2	22056394	Gauge	
1	36779742	Thermal Relay	
1	35331586	Unloader Seal	
1	35332634	Unloader Bushing	
2	35588961	Running Gear Ball Joint	
2	35588953	Running Gear Ball Joint	
1	54474572	Low Water Sender	
2	35376169	Diode	
4	54662028	Engine Lube Element	
4	54662036	Engine Fuel Element	
4	54662051	Engine Water Element	
1	35596626	Air End Seal	
1	95358214	Air End Cover O Ring	
1	35594837	Unloader Diaphragm	
1	35594845	Unloader Gasket	
1	36754059	Unloader Gasket	
4	35584556	Isolator Mount	
2	36845014	Fuel Tank Cap	
2	35358159	Fuel Sender Gasket	
2	54672811	Fuel Sender (HSRG)	
2	54672803	Fuel Sender (Wagon)	
2	35322395	Pneumatic Silencer	
2	54612437	Discharge Hose Assembly	
2	54627799	Sight Tube Fitting	
2	54629464	Sight Tube	
4	36864361	Air Cleaner Element	
4	36834379	Air Cleaner Element	
1	36854677	Heater	
1	36847838	Switch, Air Filter	
1	35335017	Blow Down Valve	
1	36762623	Pneumatic Silencer	
1	35322346	Muffler Orifice (.156)	
1	36840841	Solenoid	
1	35248145	In-line Checkvalve	
1	36840460	Check Valve Orifice	
1	54612437	Discharge Pipe Assy.	
1	35307578	Thermostat	
1	35307586	Thermostat Gasket	
4	36897346	Com. Lube Element	
1	35260439	Press. Relief Valve	
1	36861177	Tachometer	
1	54766704	Hourmeter	
1	36840767	Pressure Gauge	
1	35290089	Panel Bulb	
1	36841526	Heater	

QTY	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES
2	36841138	Temp. Sender	
2	36870608	Oil Pressure Sender	
1	35332642	Unloader Seal	
1	35577873	Mag. Switch	
1	36757581	Pressure Switch	
1	35610617	Sep. Element Gasket	
1	35332659	Unloader Bushing	
1	35594878	Unloader Spring	
1	36757573	Pressure Switch	
1	36877298	Radiator Cap	
1	22050991	Fuel Gauge	
1	95358040	Fitting O Ring	
1	35379056	Blow Down Valve Kit	
1	36762961	Intake Flange Gasket	
1	54642152	Min. Pressure Checkvalve	
1	35307560	Thermostat Seal	
1	36841252	Panel Light	
4	36792083	Fuse (20 amp)	
1	36920825	0-100 psi Press. Xducer	
1	36785319	Mag Speed Sensor	
1	36898922	Thermistor Temp Sensor	
1	54496773	0-225 psi Press. Xducer	
1	54688411	Wedge Controller	
4	22071591	Fuse (10 amp)	
1	36854495	Pressure Reg.	
4	36897346	Element, Oil, Compressor	
2	22402317	Separator Element	
2	36899714	Pro Tec Comp. Fluid (55 GALLONS)	
12	36875938	Pro Tec Eng. Fluid (5 GALLONS)	
		IQ OPTION	
1	54739065	Secondary IQ Filter Element	
1	54739057	Primary IQ Filter Element	
1	36899599	Indicator (20 psi)	
1	36899615	Indicator (25 psi)	

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Revision History

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