

PARTS MANUAL



Doosan Infracore
Portable Power

XHP1070WCAT-T3 (B41)

XHP1170WCAT-T3 (B40)

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

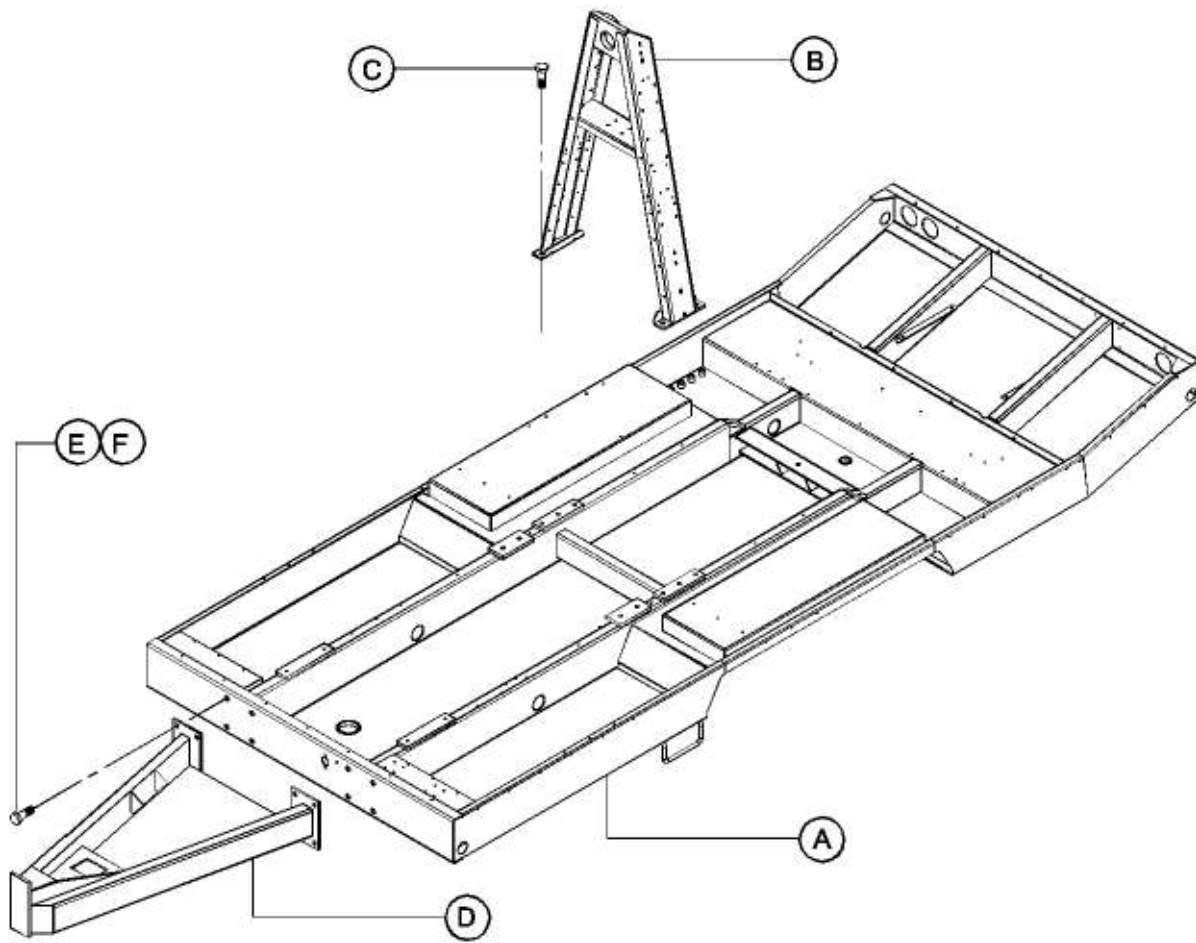
Always specify the model and serial number of the unit.

Specify the part number and description.



Section B - COMPRESSOR PARTS

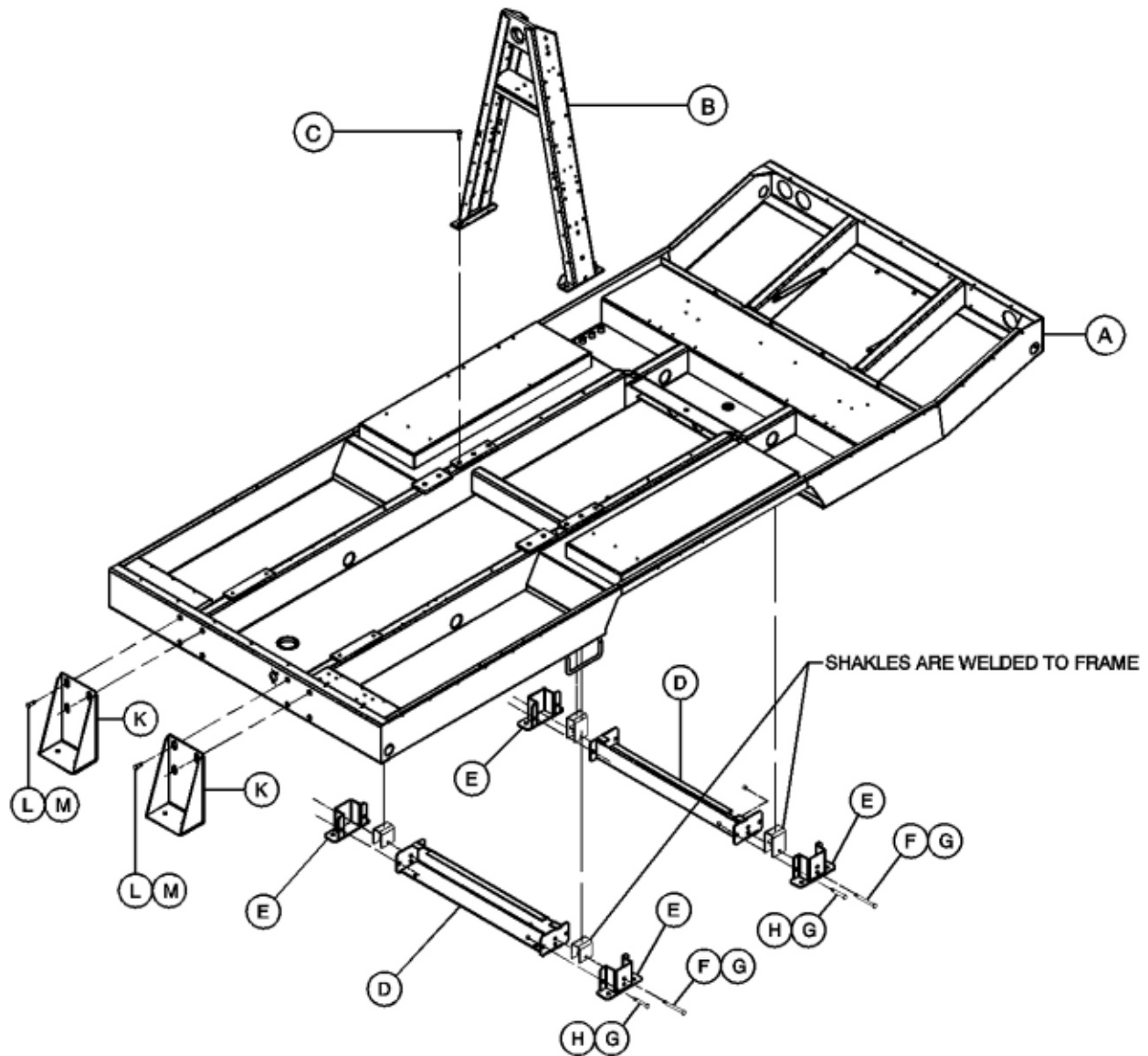
Fast Track Frame Assembly



22742951_002_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54760202	Frame Assembly	1	
B	54542543	Bail, Lifting	1	
C	96700901	Screw	6	
D	22058283	Drawbar	1	
E	95996179	Screw, Hex 1.00-8 X 3.50	8	
F	95996187	Nut, Lock 1.00-8	8	

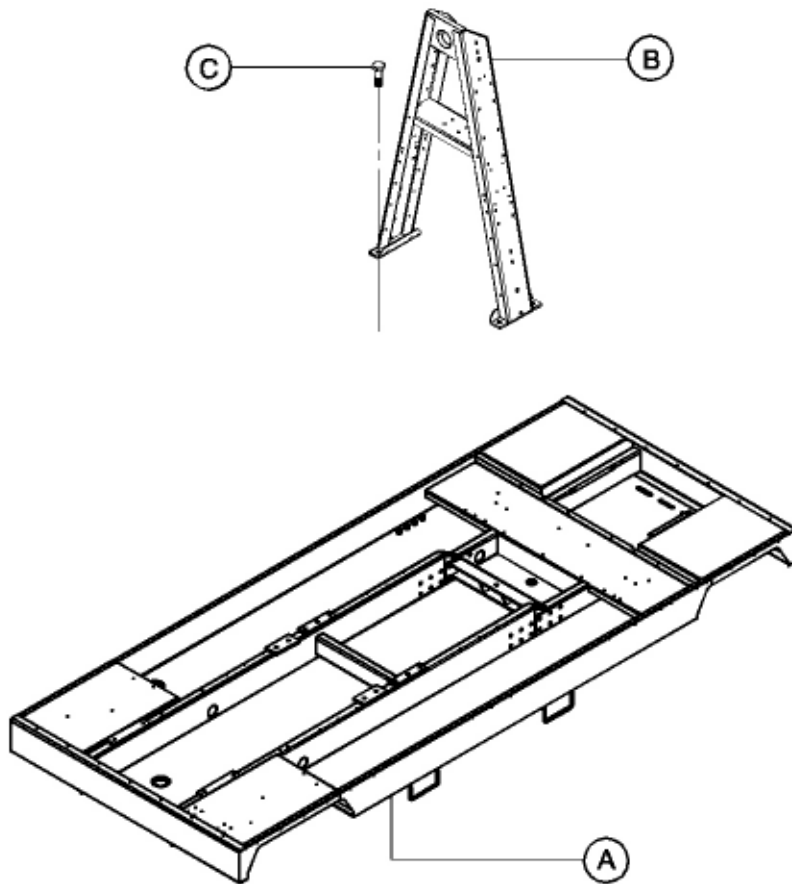
LRG Fast Track Frame Assembly



22742951_003_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22055693	Frame Assembly	1	
B	54542543	Bail, Lifting	1	
C	96700901	Screw	6	
D	22053870	Middle Support Assembly	2	
E	22053888	LRG Edge Support Assembly	4	
F	96727896	Screw (Through Edge Assembly To Frame)	4	
G	36879203	Nut (Through Edge Assembly To Frame)	4	
H	36879492	Screw (Through Sides of Edge Supports)	8	
J	36879203	Nut (Through Sides of Edge Supports)	8	
K	22054118	LRG Front Support Assembly	2	
L	95939914	Screw (Through Slots of the Support)	8	
M	95941084	Nut (To Screws Through Supports)	8	

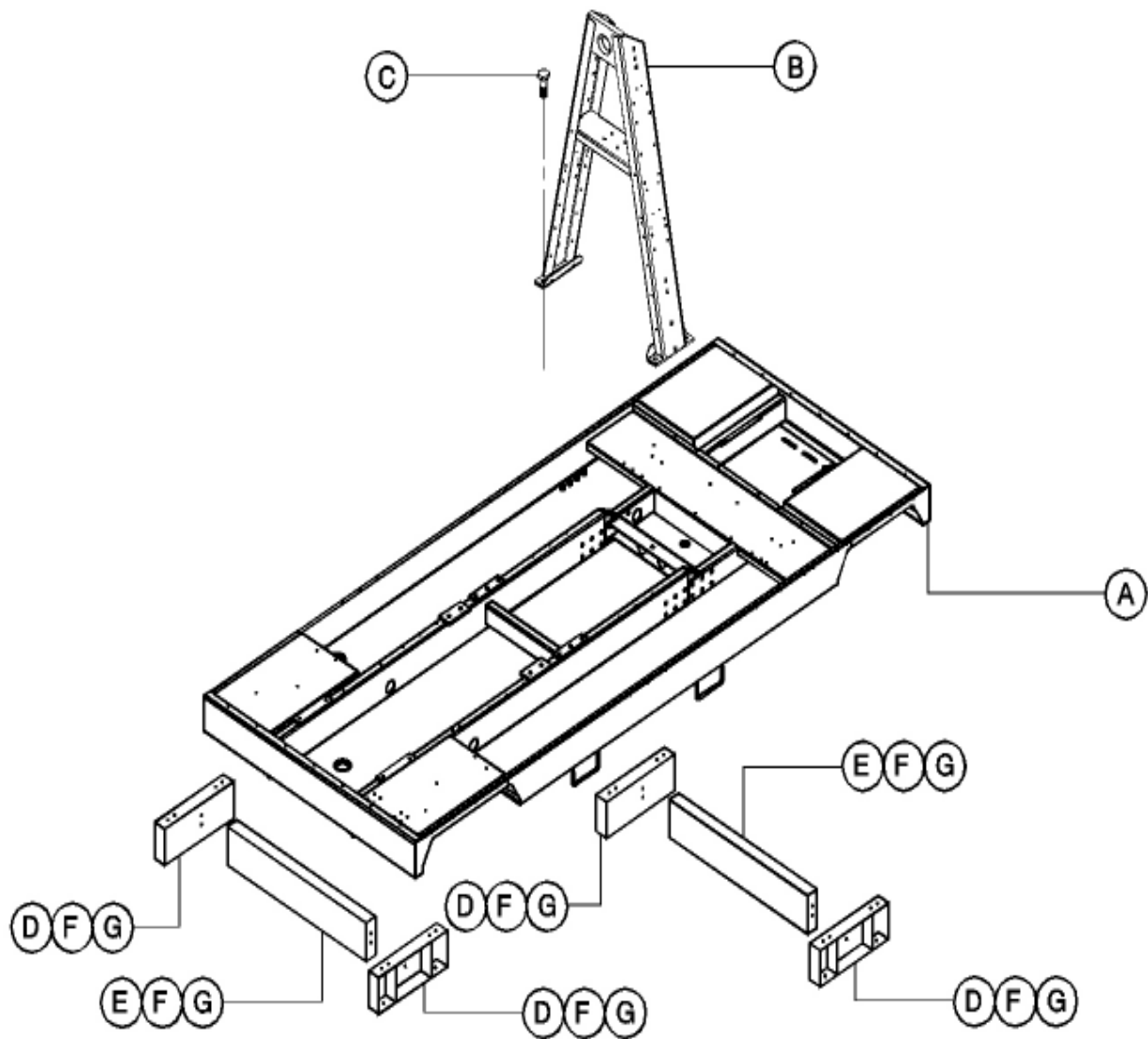
Wagon Wheel Frame Assembly



22742951_004_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54501796	Frame Assembly	1	
B	54542543	Bail, Lifting	1	
C	96700901	Screw	6	

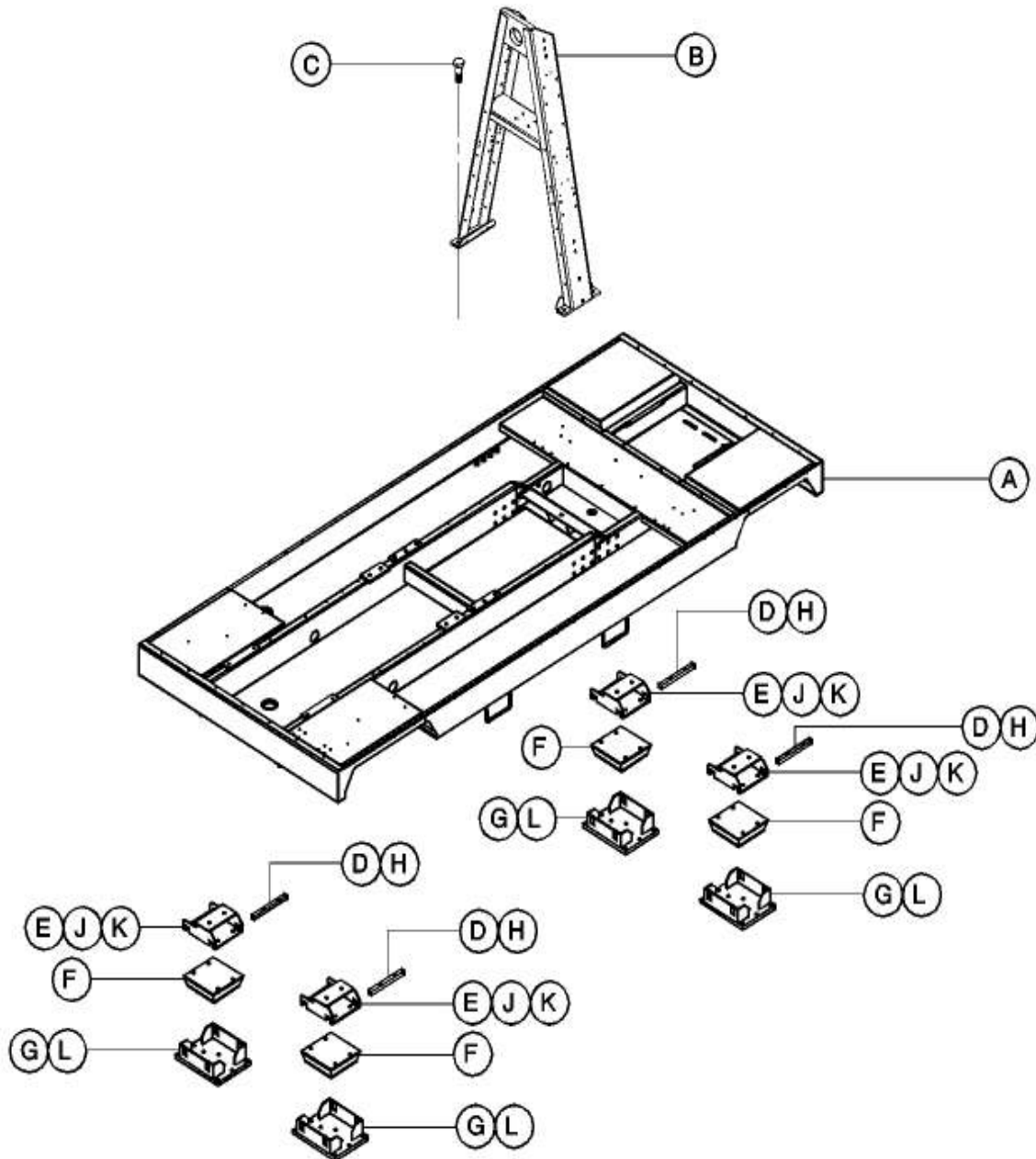
LRG Pedestal Mount on Wagon Wheel Frame Assembly



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	

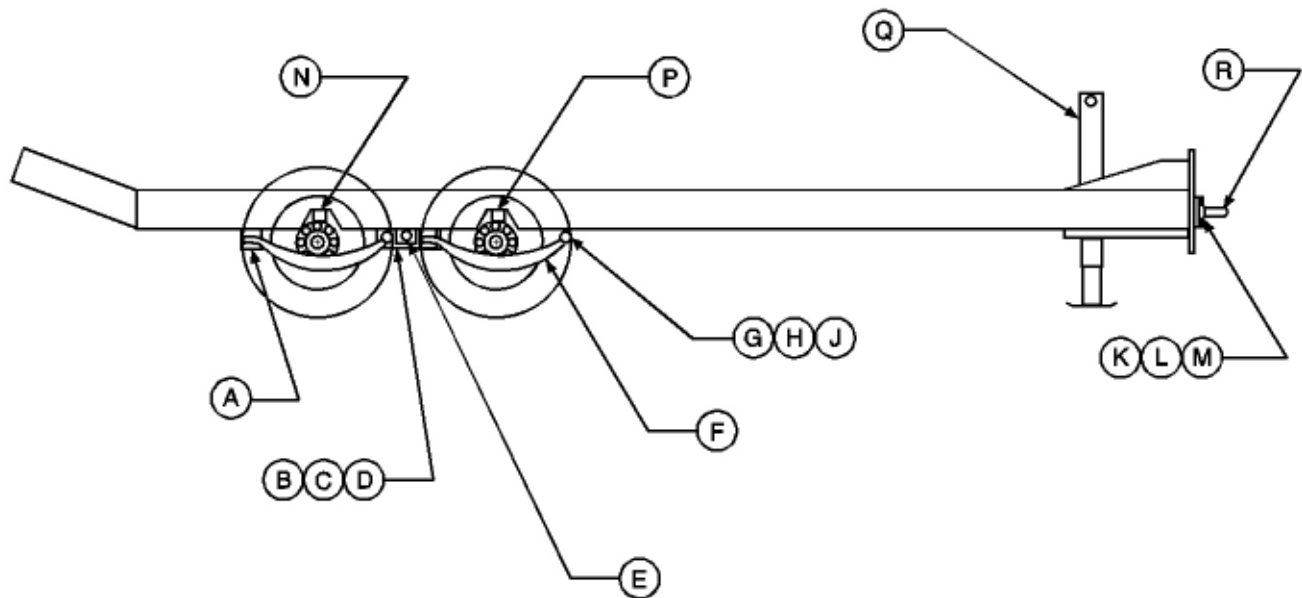
LRG Shock Mount on Wagon Wheel Frame Assembly



22742951_006_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	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	

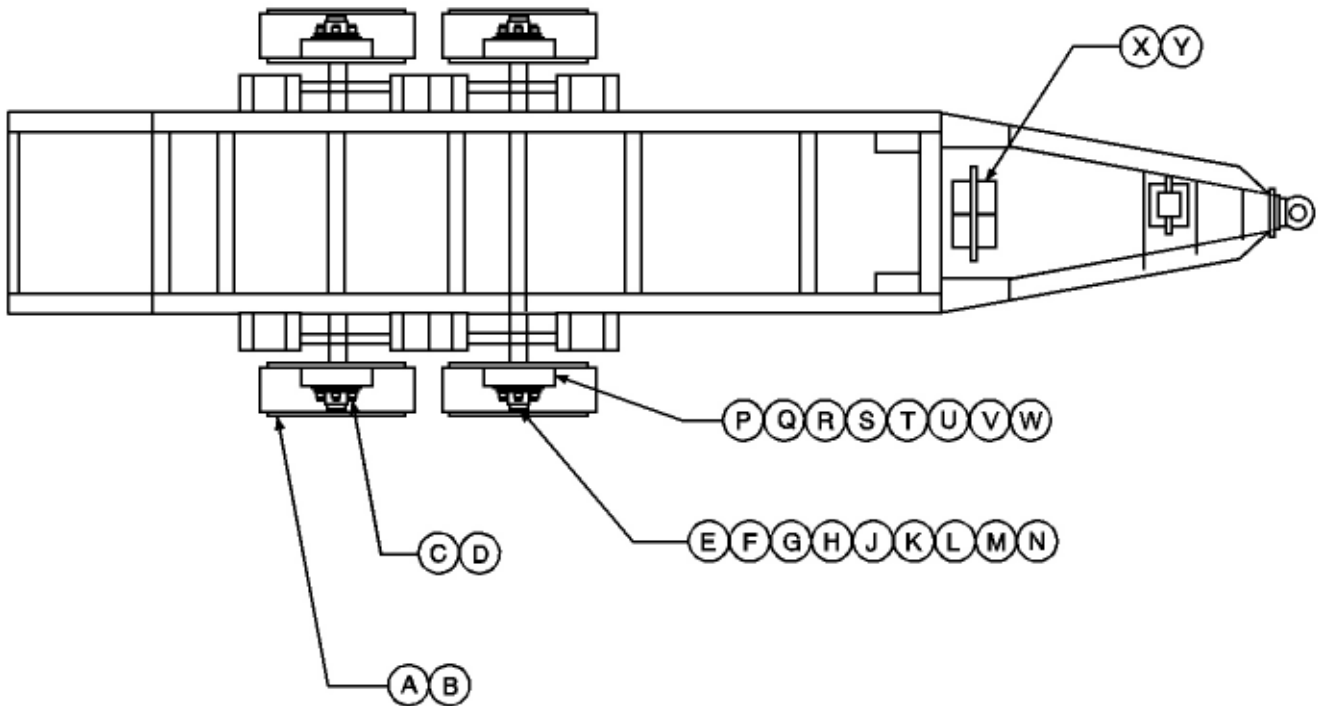
High Speed Running Gear



22742951_007_06/04_A

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	

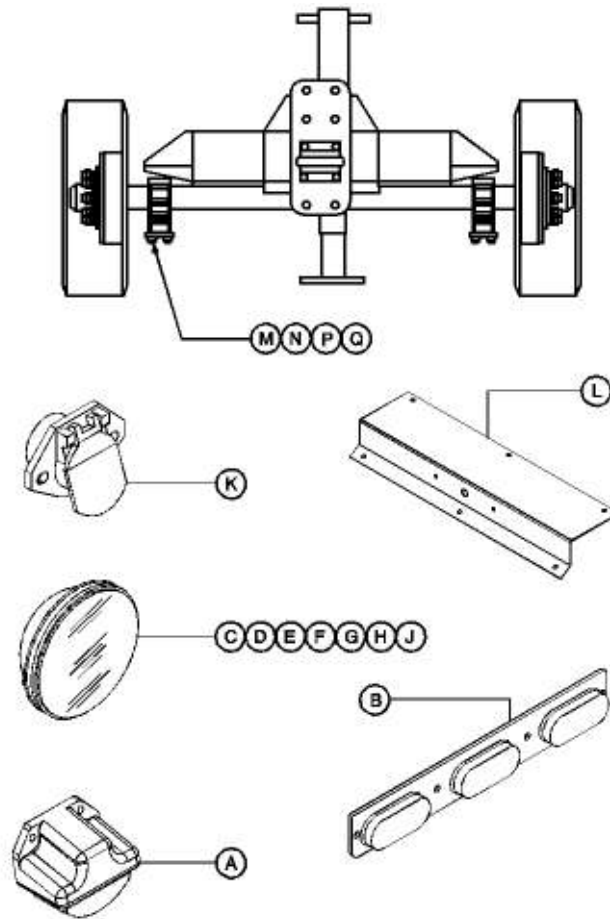
High Speed Running Gear



22742951_008_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36877991	Tire	4	
B	22077515	Wheel	4	
	36878049	Clamp, Plate	4	
C	35272150	Stud	8	
D	22079032	Nut	8	
E	36853091	Nut	4	
F	36853109	Washer	2	
G	36853117	Washer, Lock	2	
H	36851624	Inner Bearing Cup	1	
J	36851616	Outer Bearing Cup	1	
K	36851608	Inner Bearing	1	
L	36851590	Outer Bearing	1	
M	36851632	Seal	1	
N	36776813	Cap, Dust	8	
P	36880268	Hub Assembly	4	
Q	36880292	L.H. Electric Brake	2	
R	36880300	R.H. Electric Brake	2	
S	36880318	Shield, Bottom Dust	4	
T	36880326	Shield, Top Dust	4	
U	36880334	Bolt	7	
V	95939955	Washer, Lock	7	
W	36880342	Locknut	7	
X	35603190	Chock, Wheel	2	
Y	35333830	Strap, Rubber	2	

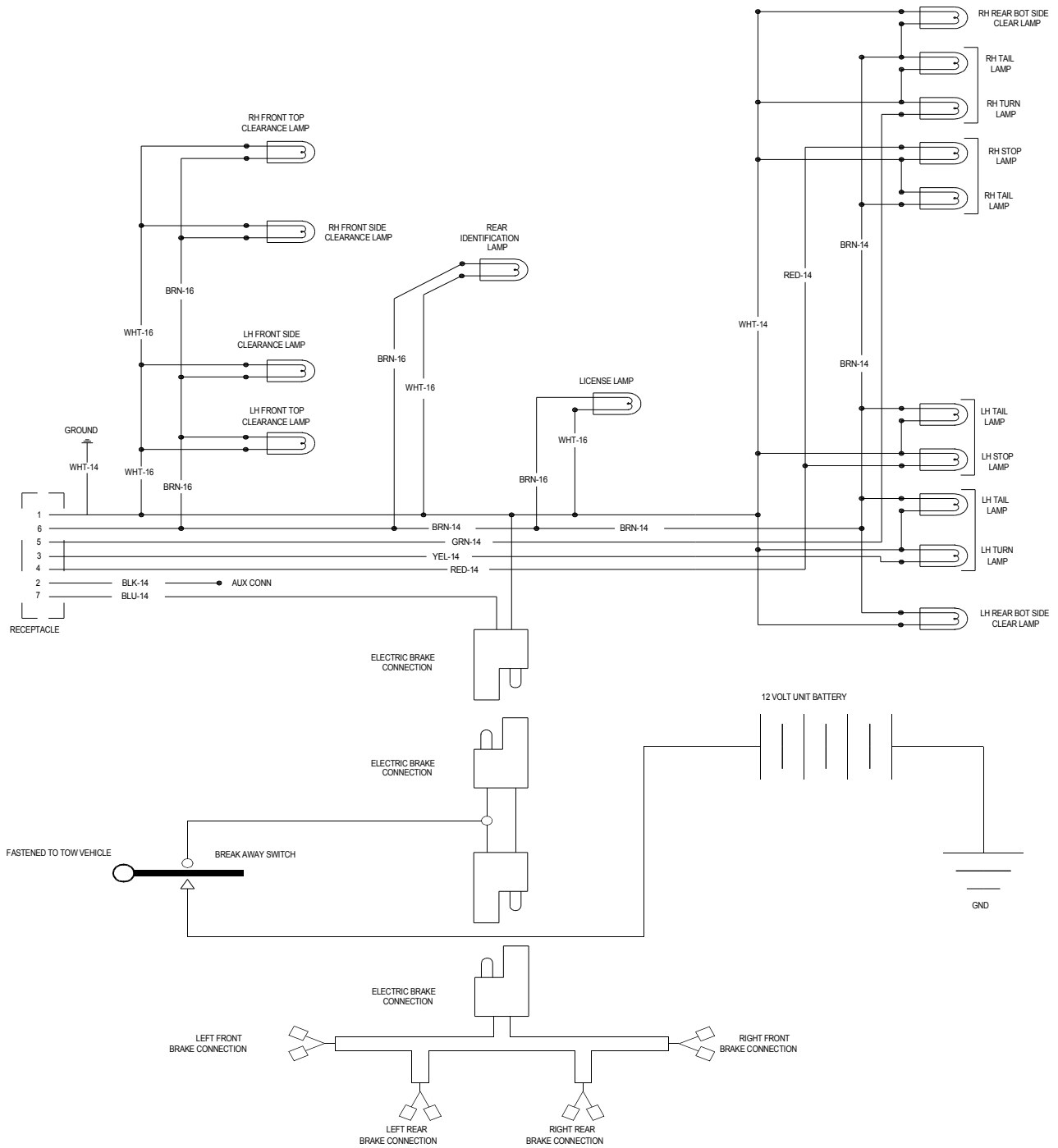
High Speed Running Gear



22742951_009_06/04_A

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	

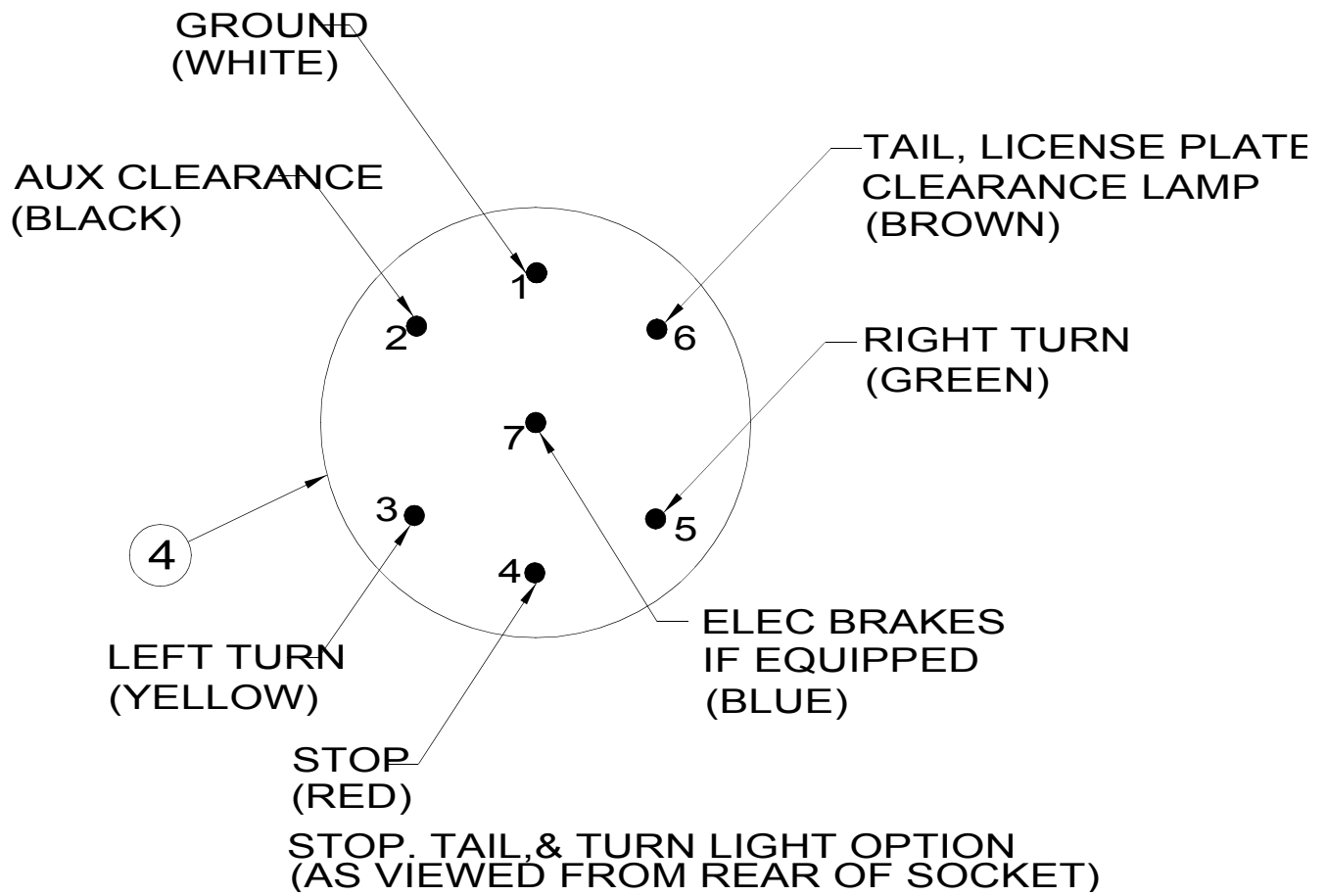
Fast Track Wiring



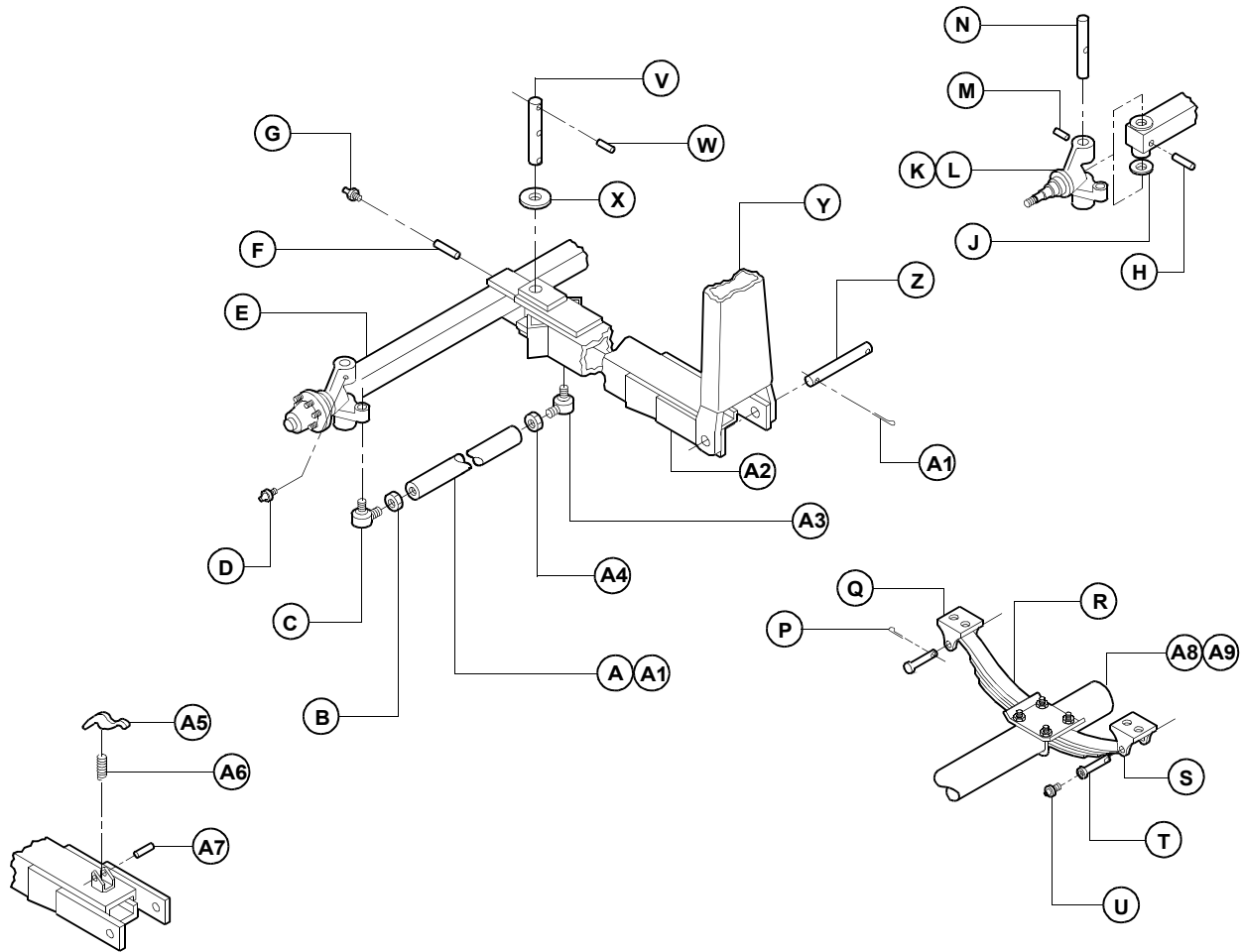
22742951_010_06/04_A

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

Fast Track Wiring



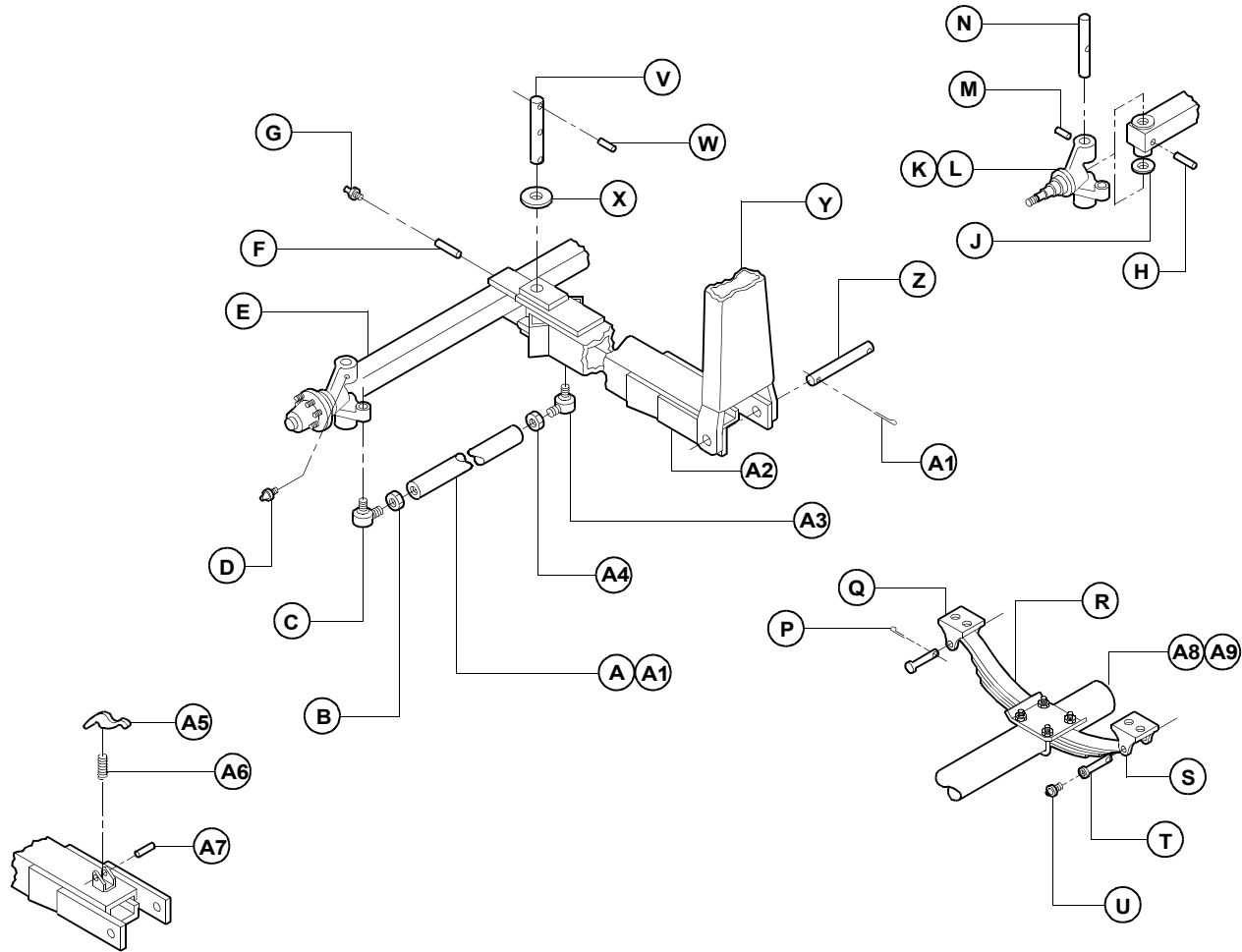
Wagon Wheel Running Gear



22742951_012_06/04_A

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	22131502	Axle, Front	1	
F	95717369	Pin, Roll	1	
G	35221894	Fitting, Lube	1	
H	95338554	Pin, Roll	2	
J	95934964	Washer	4	
K	36851566	L.H. Knuckle Assembly	1	
L	36851574	R.H. 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.....

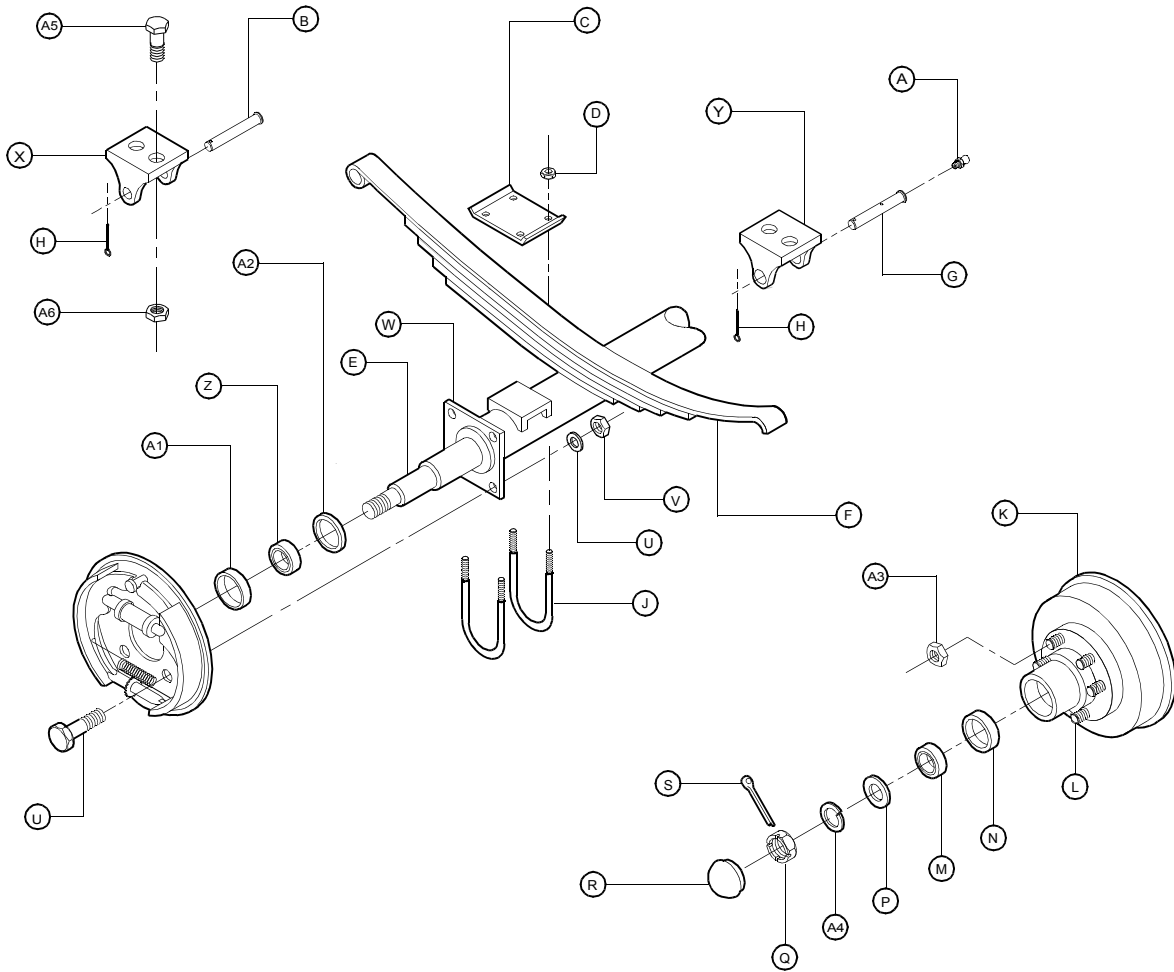
Wagon Wheel Running Gear



22742951_012_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
U	95318556	Fitting, Lube	2	
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	22131502	Front Axle Assembly	1	
A9	22506273	Rear Axle Assembly	1	
B1	36853042	Tie Rod Assembly (Includes A, B, C, A3, A4)	2	
	22077515	Wheel	4	
	36877991	Tire	4	
	36878049	Ring, Clamp	4	

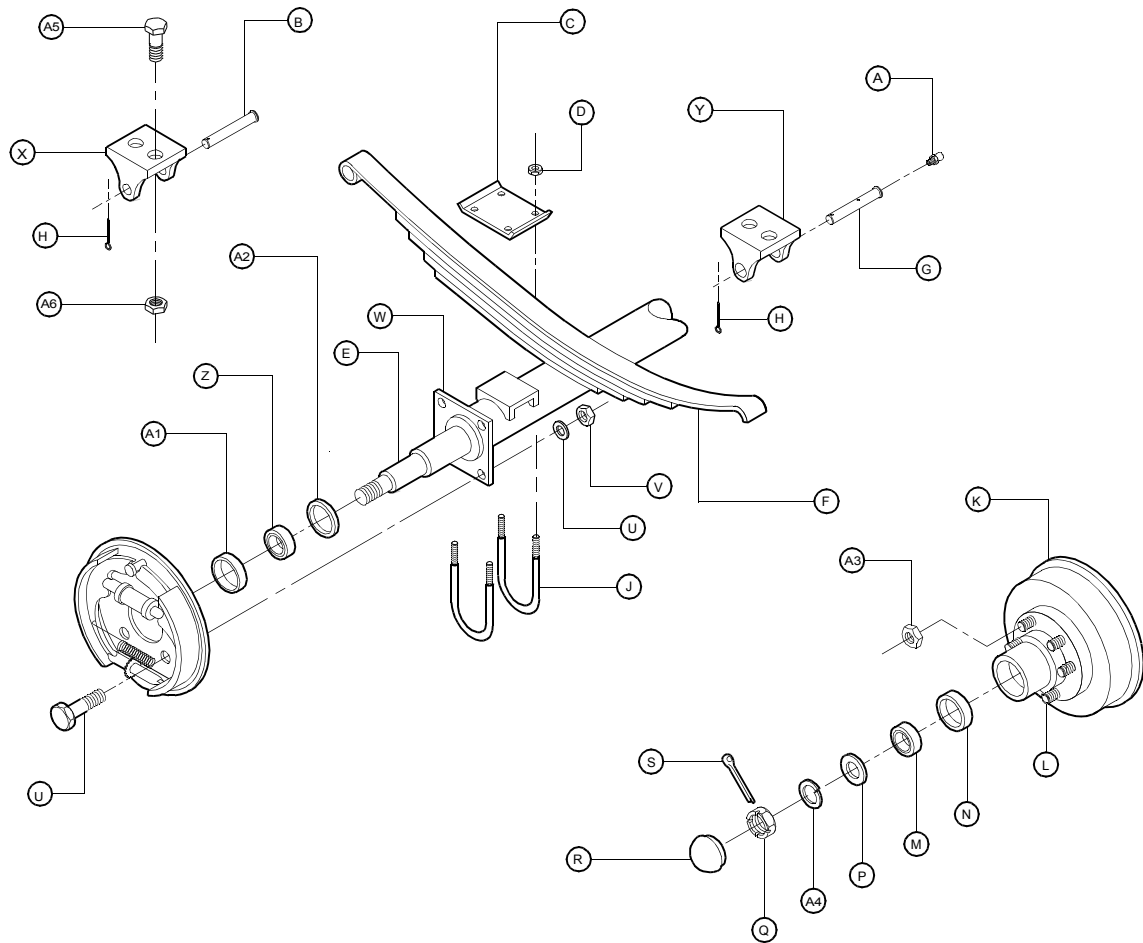
Wagon Wheel Running Gear



22742951_014_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95318556	Fitting, Lube	2	
B	35588839	Rivet	2	
C	35589241	Plate, Front Clamp	2	
	22511174	Plate, Rear Clamp	2	
D	35111566	Nut, Front	8	
	22513220	Nut, Rear	8	
E	22506273	Axle, Rear	1	
F	36719466	Spring	2	
G	35111590	Bolt, Shackle	2	
H	95018982	Pin, Cotter	2	
J	35834621	U-Bolt, Front	4	
	36853059	U-Bolt, Rear	4	
K	36853059	Hub Assembly (Includes Items N, L, A2)	2	
L	36851673	Stud	8	
M	36851590	Outer Bearing	2	
N	36851616	Outer Race	2	
P	36853109	Washer, Flat	2	
Q	36776821	Nut	2	

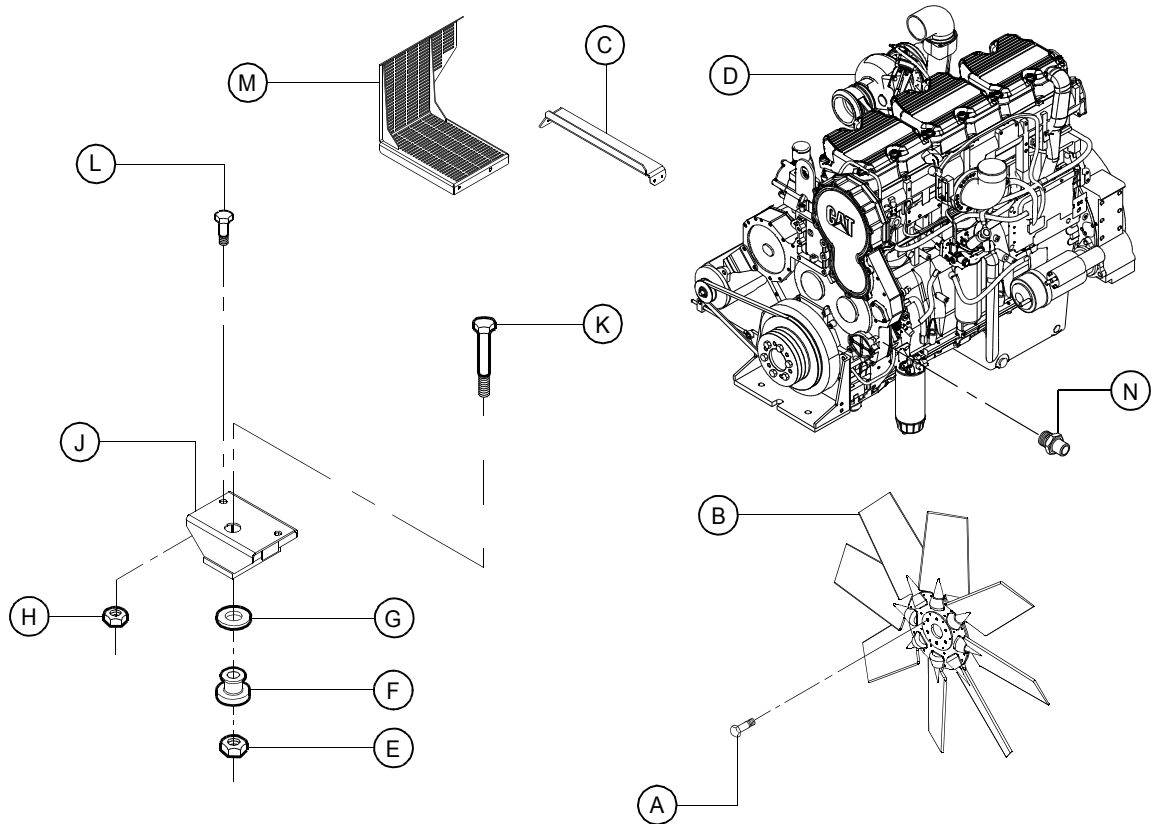
Wagon Wheel Running Gear



22742951_014_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
R	36776813	Cap, Grease	4	 <i>Continued</i>
S	95272902	Pin, Cotter	4	
T	36A2D326Z1	Bolt	8	
U	95934741	Washer, Flat	8	
V	95916573	Nut	8	
W	36776839	Flange, Brake Mounting	2	
X	36719177	Bracket	2	
Y	36719169	Bracket	2	
Z	36851608	Inner Bearing	2	
A1	36851624	Inner Race	2	
A2	36851632	Seal	2	
A3	22079032	Nut, Cone	8	
A4	36776821	Washer, Lock	2	
A5	95930723	Bolt	8	
A6	35374453	Nut	8	

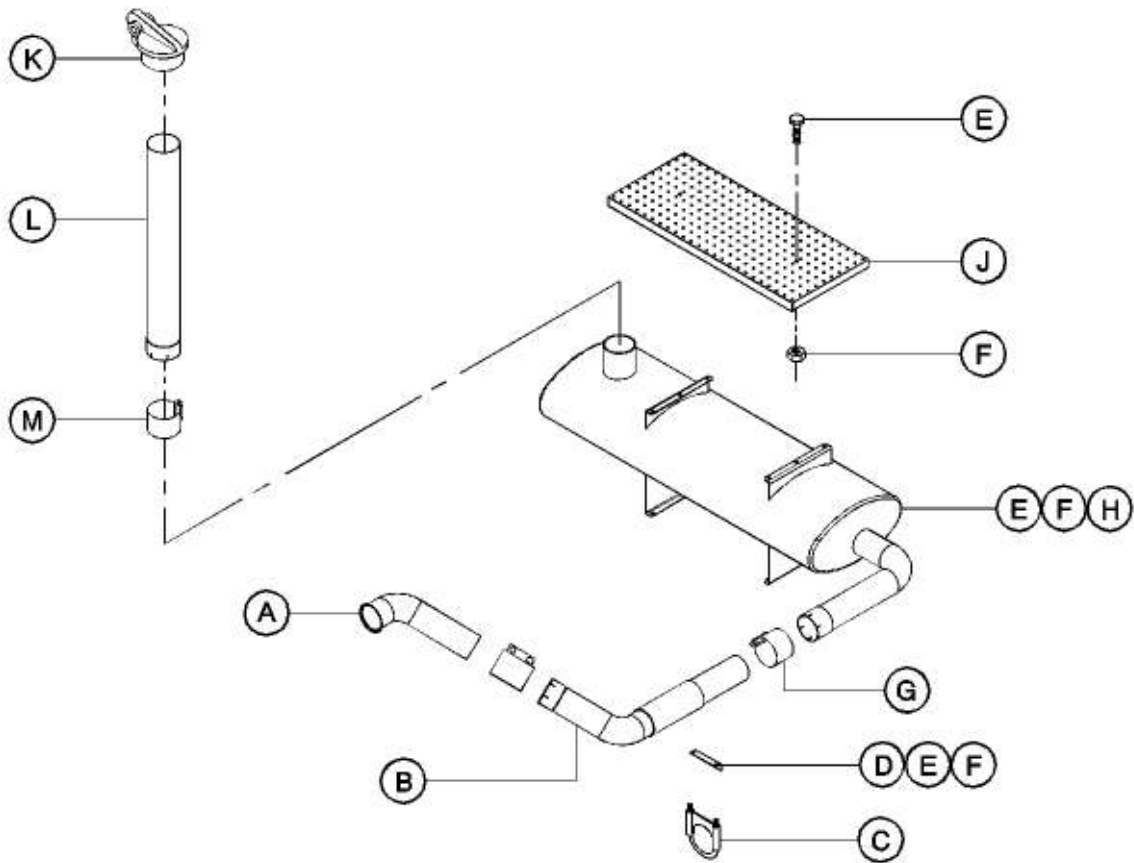
Engine Assembly



22742951_016_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95920708	Screw	6	
B	36884047	Fan Assembly	1	
C	22102859	Support, Guard	1	
D	22536940	Engine, Cat C15 (1170)	1	
	22548101	Engine, Cat C15 (1070)	1	
E	35297340	Nut	1	
F	35584556	Mount, Rubber	1	
G	35273937	Washer	1	
H	35145077	Nut	2	
J	54613351	Bracket, Engine	1	
K	96700919	Screw	1	
L	35144344	Screw	2	
M	22095525	Turbo, Guard	1	
N	22690952	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		

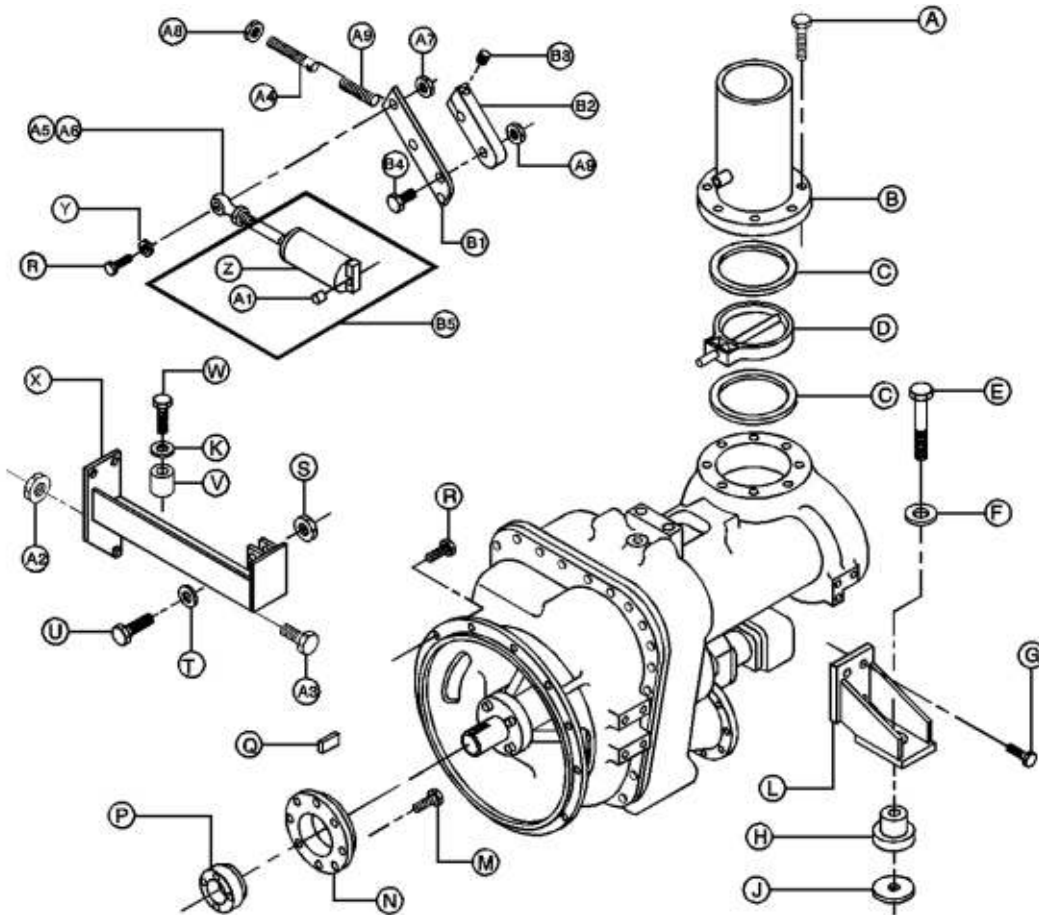
Exhaust Assembly



22481907_017_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22085732	Pipe, Engine Turbo	1	
B	22085740	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	36799807	Clamp, Seal	2	
H	22079495	Muffler	1	
J	54629589	Step	1	
K	35851351	Cap, Rain	1	
L	22098420	Pipe, Exhaust	1	
M	35313303	Clamp, Seal	1	
	22104343	Wrap, Exhaust	1	
	54721105	Kit, Wrap Wire Kit	1	

HR2.5 Air End Complete

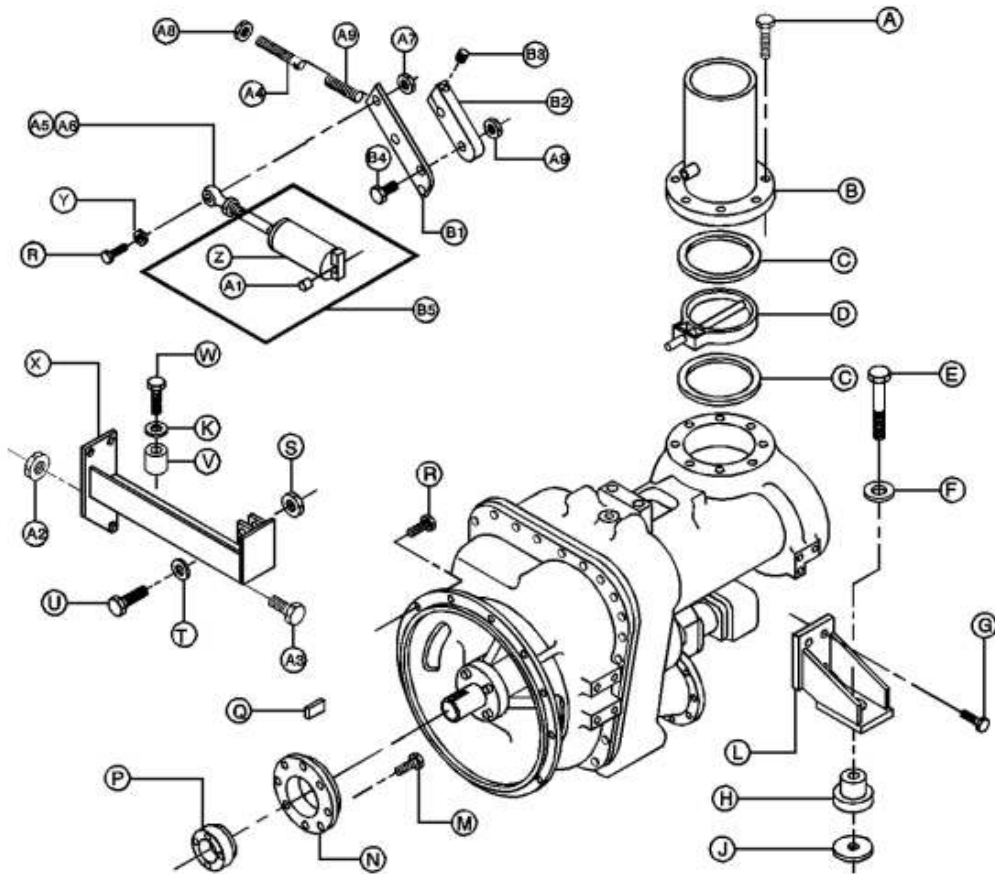


22742951_018_06/04_A

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	35375385	Screw	8	
H	35584556	Mount, Rubber	2	
J	35273937	Washer, Snubber	2	
K	95935011	Washer	2	
L	54613369	Bracket, Mounting	2	
M	95941092	Screw	12	
N	54540141	Coupling	1	
P	36897916	Bushing	1	
Q	36795102	Key	1	
R	95934626	Screw	12	
S	95923314	Nut	1	
T	95934998	Washer, Flat	1	
U	35288893	Pivot, Lever	1	

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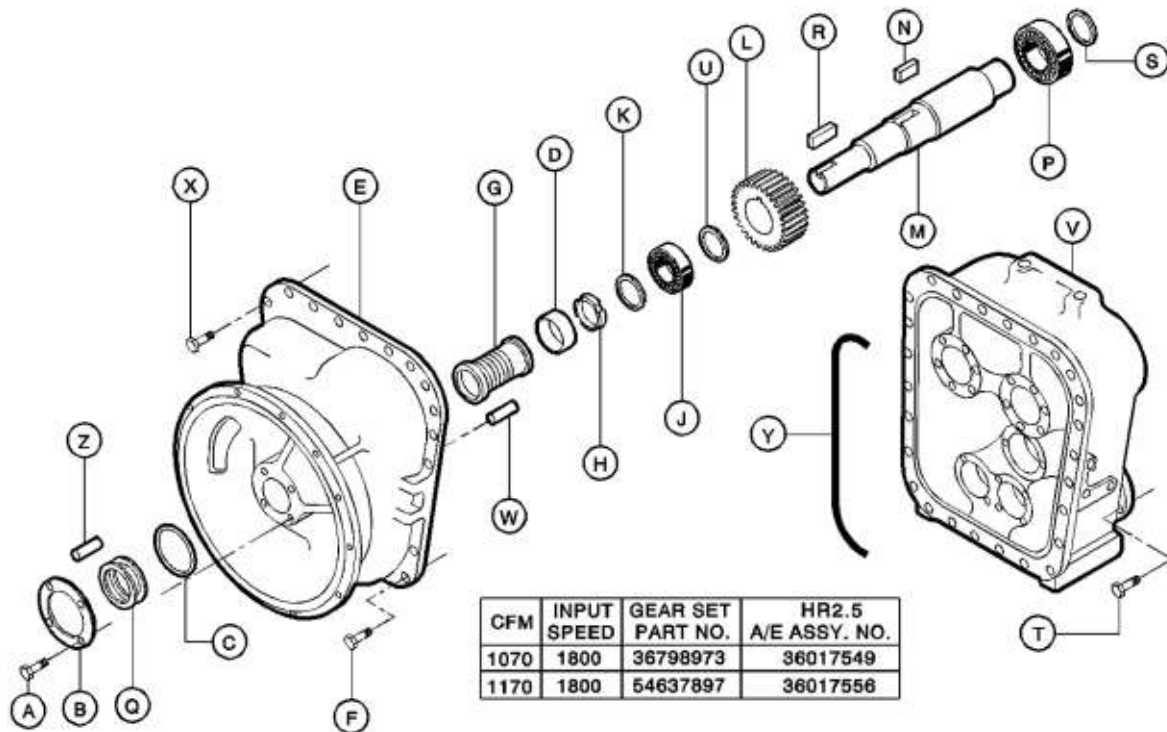
HR2.5 Air End Complete



22742951_018_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
V	36898450	Spacer	1	Continued.....
W	35375963	Screw	2	
X	36898005	Bracket, Air Cylinder	1	
Y	95934907	Washer, Flat	1	
Z	35584689	Cylinder, Air	1	
A1	35288885	Bushing	1	
A2	95922894	Nut, Jam	1	
A3	35611680	Bolt	1	
A4	35605799	Rod, Adjuster	1	
A5	35300532	Bearing, Rod End	1	
A6	95926028	Nut	1	
A7	95923330	Nut	1	
A8	35145077	Nut	2	
A9	36876258	Spring	1	
B1	35607910	Lever, Regulation	1	
B2	35264951	Lever, Control	1	
B3	95928917	Screw, Set	1	
B4	35611680	Nut	1	
B5	22377212	Kit, Bushing with Cylinder	AR	

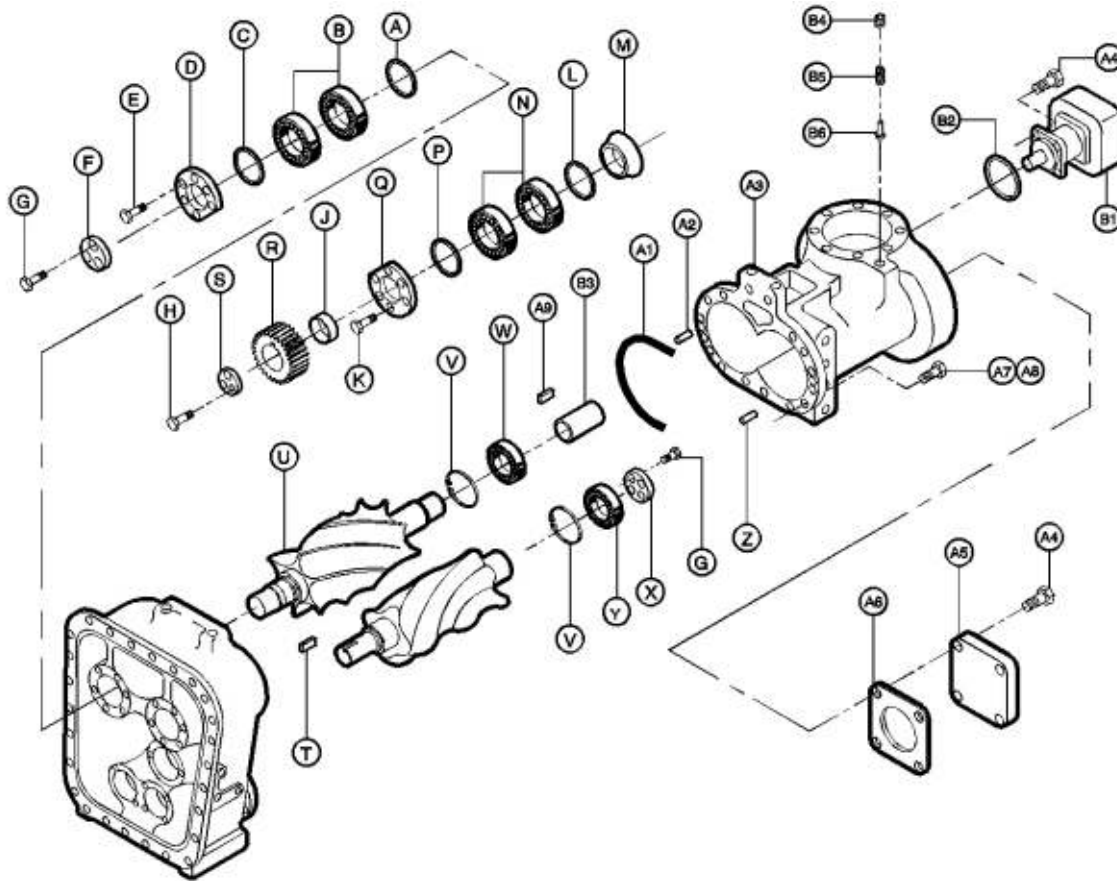
HR2.5 Air End Assembly



22742951_020_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702295	Bolt	4	
B	39577648	Cover, Oil Seal	1	
C	35355536	O-Ring	1	
D	36795128	Spacer	1	
E	36793750	Case, Gear	1	
F	96706262	Bolt	-	
G	39929351	Seal, Oil	1	
H	36795169	Nut, Lock	1	
J	36511640	Bearing	1	
K	36795136	Spacer	1	
L		See Gear Set Chart	-	
M	36792836	Shaft, Drive	1	
N	36795110	Key	1	
P	35610203	Bearing	1	
Q	36795151	Shim Set	1	
R	36795102	Key	1	
S	35372010	Spacer	1	
T	35272533	Screw	16	
U	36795144	Spacer	1	
V	36861367	Housing, Main	1	
W	35336122	Dowel	1	
X	35272541	Bolt	-	
Y	35355775	O-Ring	1	
Z	95650529	Pin, Roll	1	

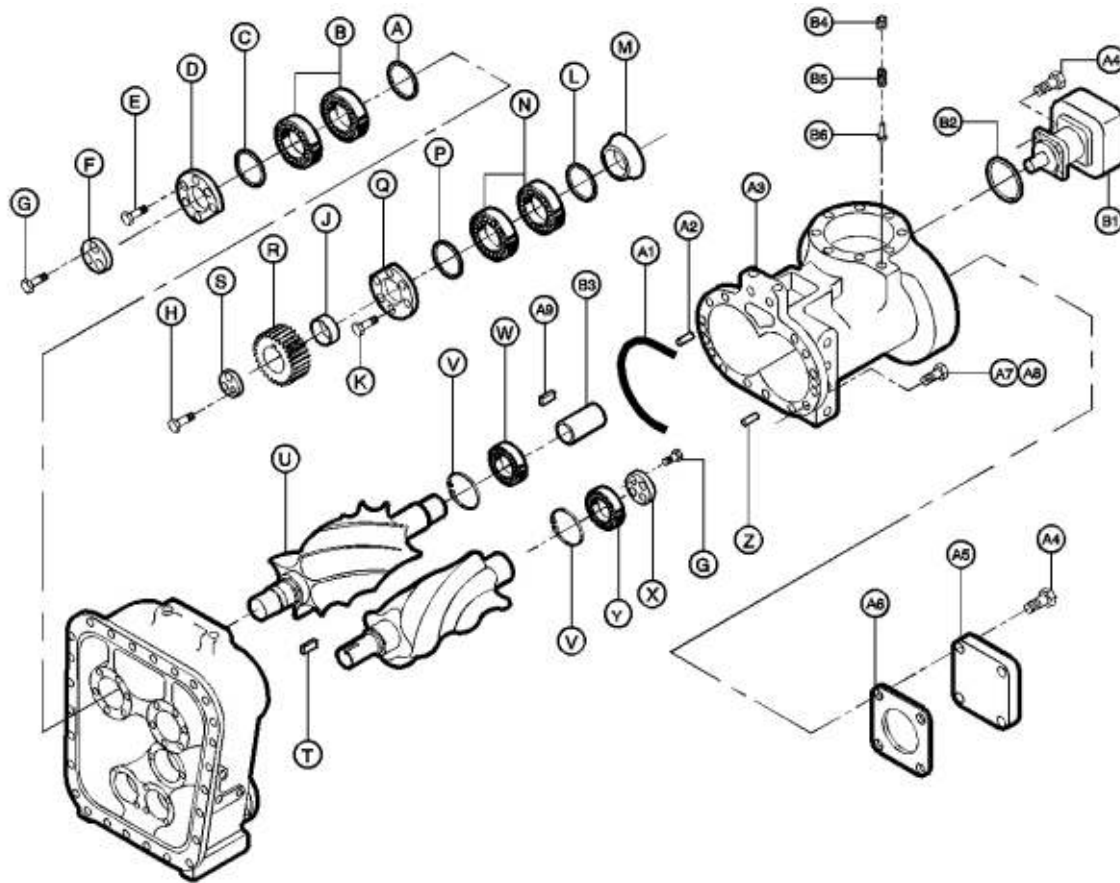
HR2.5 Air End Assembly



22742951_021_06/04_A

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

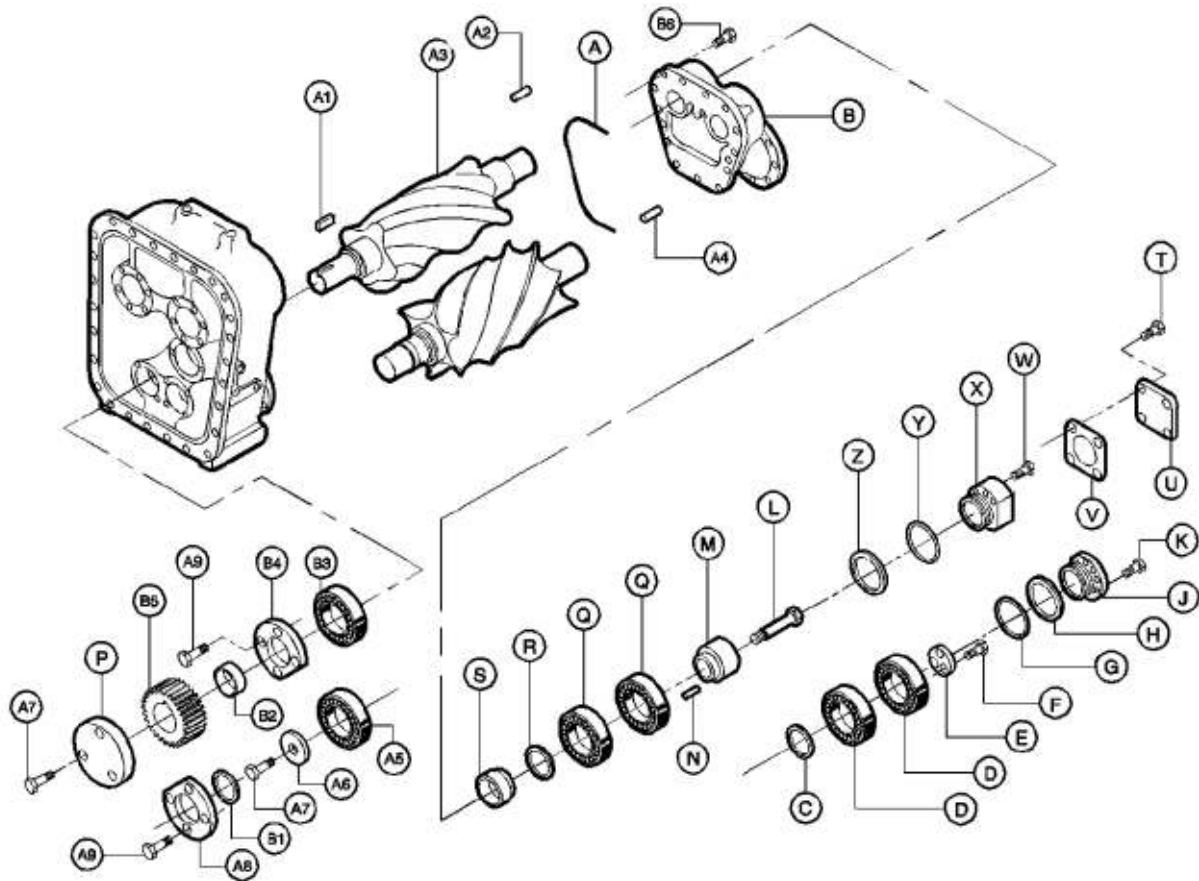
HR2.5 Air End Assembly



22742951_021_06/04_A

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

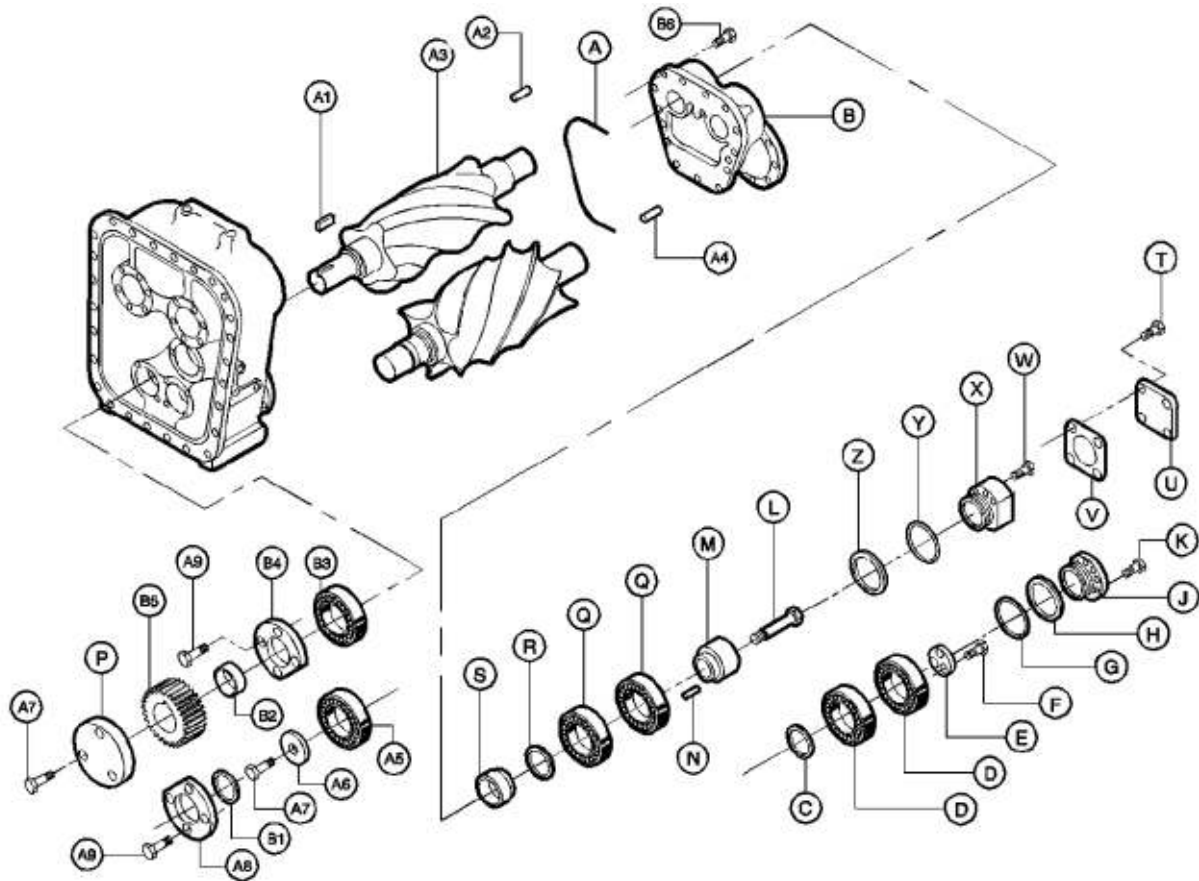
HR2.5 Air End Assembly



22742951_023_06/04_A

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

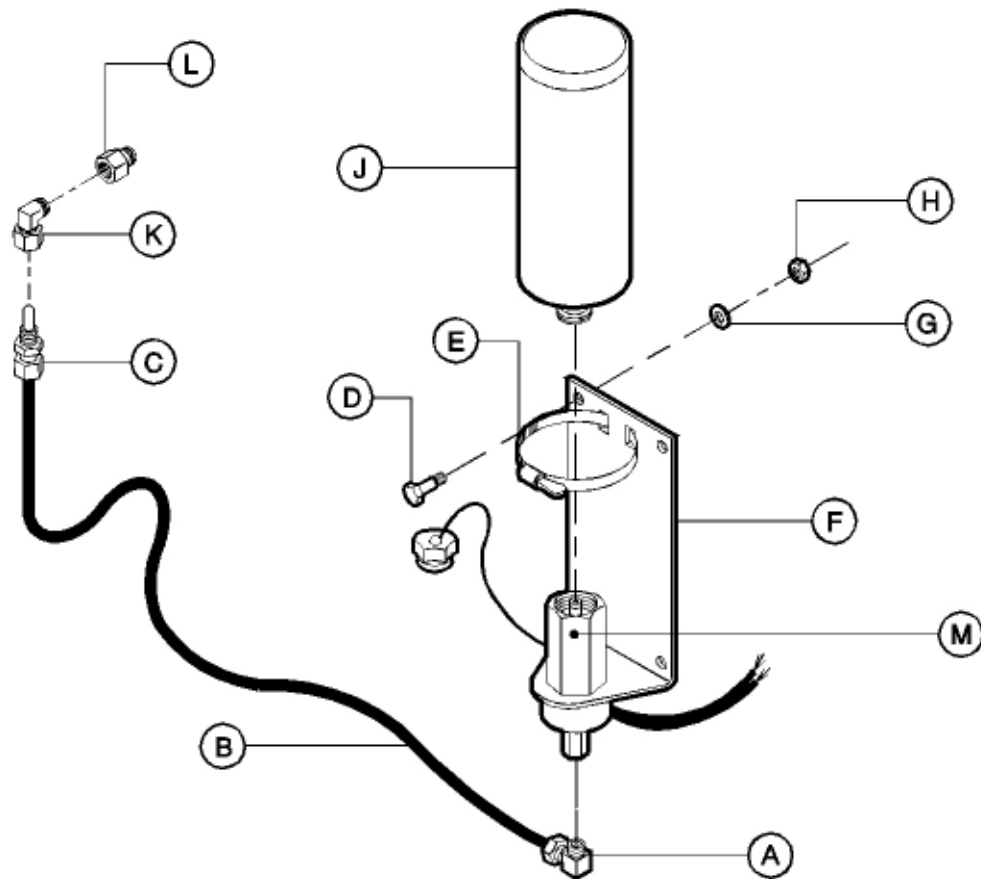
HR2.5 Air End Assembly



22742951_023_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
W	39125000	Bolt	6	Continued
X	36864676	Cover, Bearing	1	
Y	95026290	O-Ring	1	
Z	35355916	Set, Shim	1	
A1	35355817	Key	1	
A2	35336122	Dowel	1	
A3	36006732	Rotor Set (2nd Stage)	1	
A4	35336130	Dowel	1	
A5	35600014	Bearing, Roller	1	
A6	35300201	Plate, Clamp	1	
A7	35311463	Screw	1	
A8	35355999	Plate, Retaining	1	
A9	35273408	Bolt	4	
B1	35355973	Spacer, Bearing	1	
B2	35355866	Spacer	1	
B3	35600022	Bearing, Roller	1	
B4	35355965	Plate, Retaining	1	
B5		See Gear Set Chart On Page 20.		
B6	96712179	Screw		

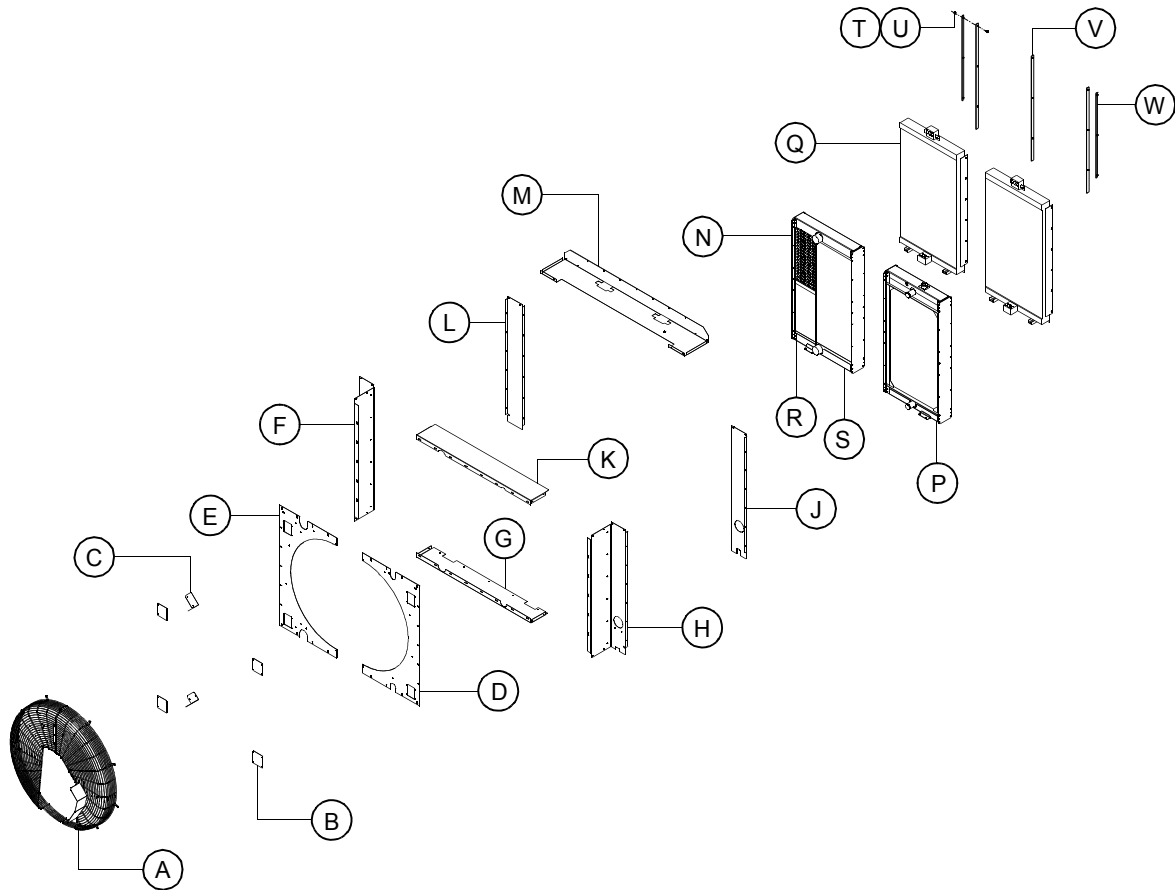
Starting Aid Assembly



22742951_025_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35103498	Elbow	1	
B	35132174	Tubing	1	
C	35306166	Atomizer	1	
D	35322908	Screw	4	
E	35103506	Clamp	1	
F	35103506	Bracket Assembly	1	
G	95043196	Washer	4	
H	92304500	Nut	4	
J	35112911	Cylinder, Ether	1	
K	35290253	Elbow	1	
L	35316348	Adapter	1	
M	35306158	Valve	1	
	35306182	Starting Aid Kit Assembly		

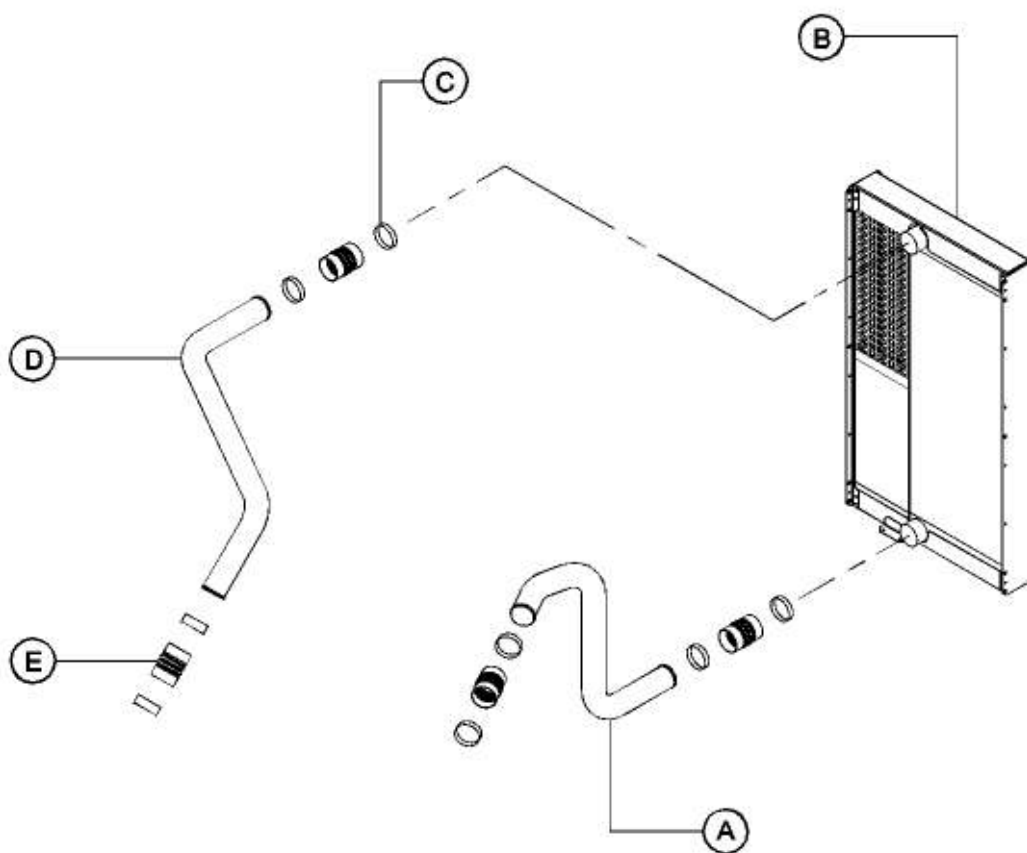
Radiator and Oil Cooler



22742951_026_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54747373	Fan Guard Assembly	1	
B	54661426	Plate, Cover	4	
C	54661459	Bracket	2	
D	54665864	Orifice, L.H. Fan	1	
E	54665880	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	54521430	Support, R.H. Rear Shroud	1	
M	54521448	Support, Top Rear Shroud	1	
N	54501846	Cooler Assembly	1	
P	54501838	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	

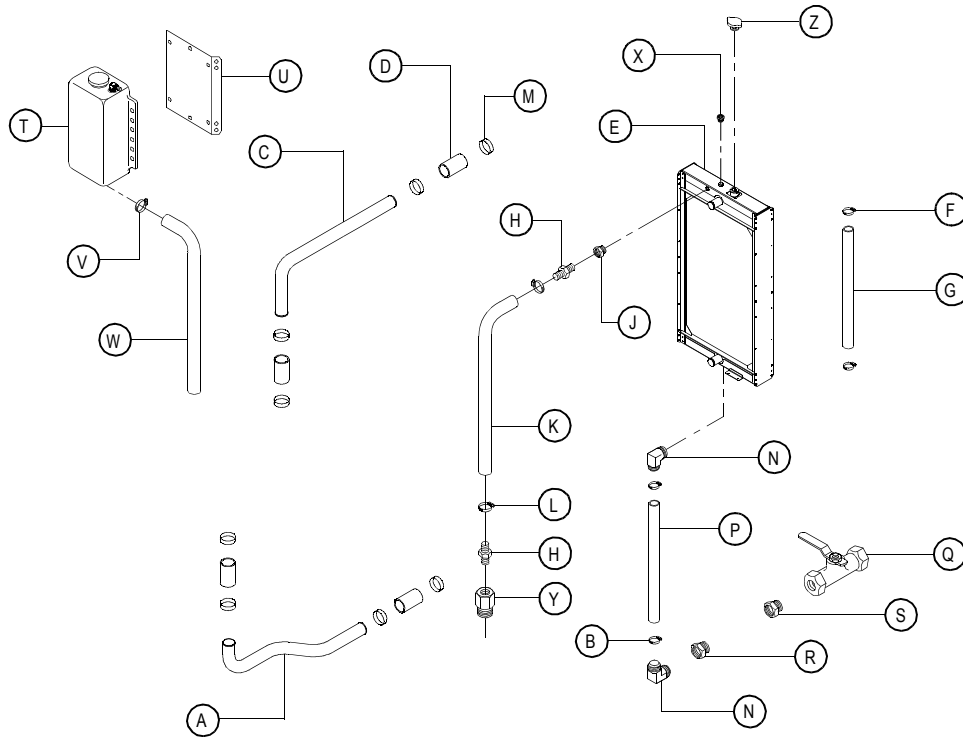
Charge Air Piping



22742951_027_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54639968	Tube, Bottom A/C	1	
B	54501846	Cooler, Air Charge	1	
C	54444427	Clamp	8	
D	22716906	Tube, Upper A/C	1	
E	54422522	Hose, Ribbed	4	

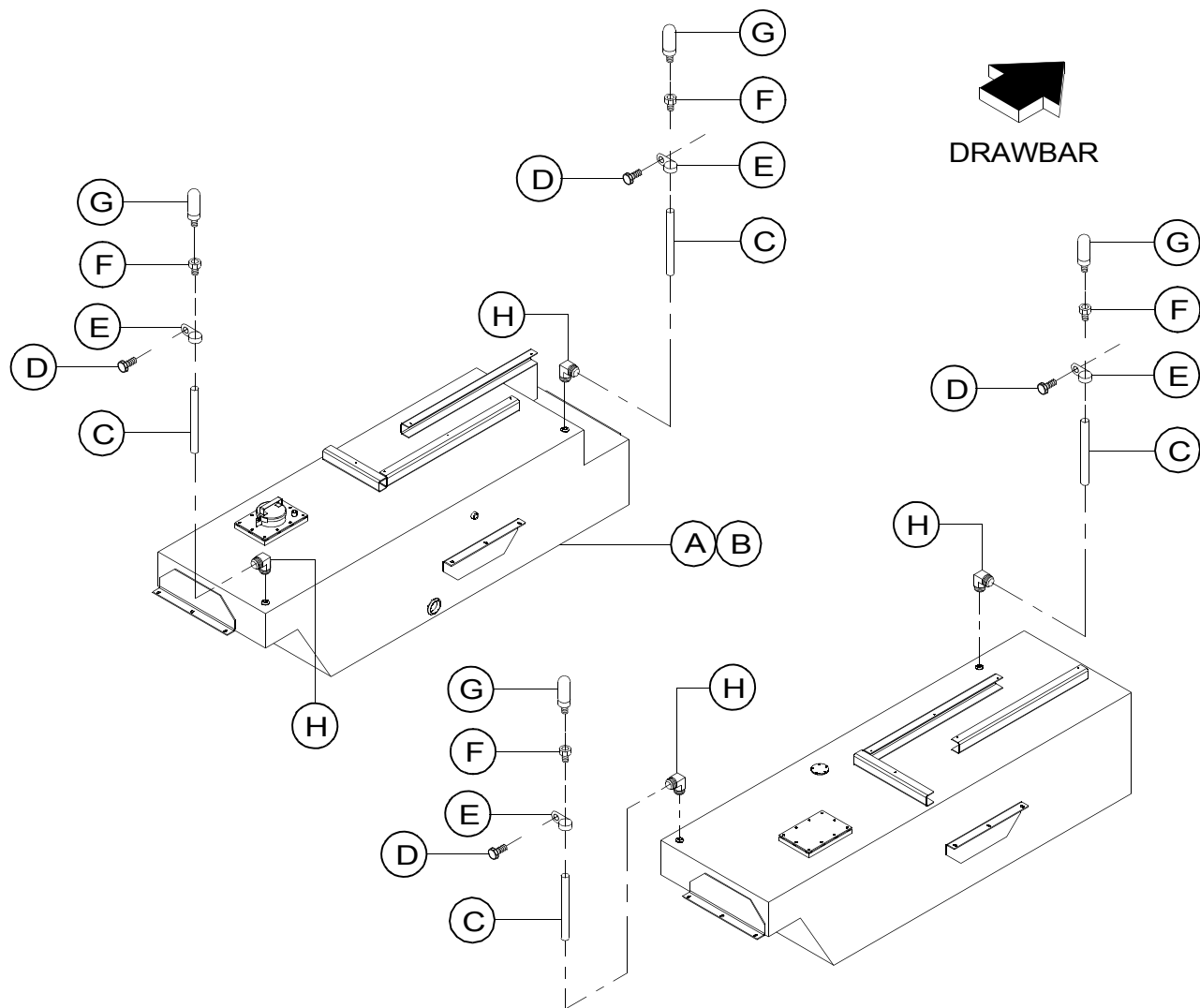
Radiator Piping



22742951_028_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54642350	Tube, Lower Radiator	1	
B	95220844	Clamp	2	
C	54638101	Tube, Upper Radiator	1	
D	35330570	Hose, Connector	4	
E	22767453	Radiator	1	
F	95235131	Clamp	2	
G	35135458	Hose, By-Pass (55 Inches)	1	
H	35310598	Fitting, Barbed	1	
J	43212216	Adapter	1	
K	35285600	Hose, Vent (52 Inches)	1	
L	95264776	Clamp	2	
M	35222017	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	54660899	Bracket	1	
V	35253038	Clamp	2	
W	35360775	Tubing (50 Inches)	1	
X	22102339	Switch, Level	1	
Y	35316348	Adapter	1	
Z	22078190	Cap, Radiator	1	

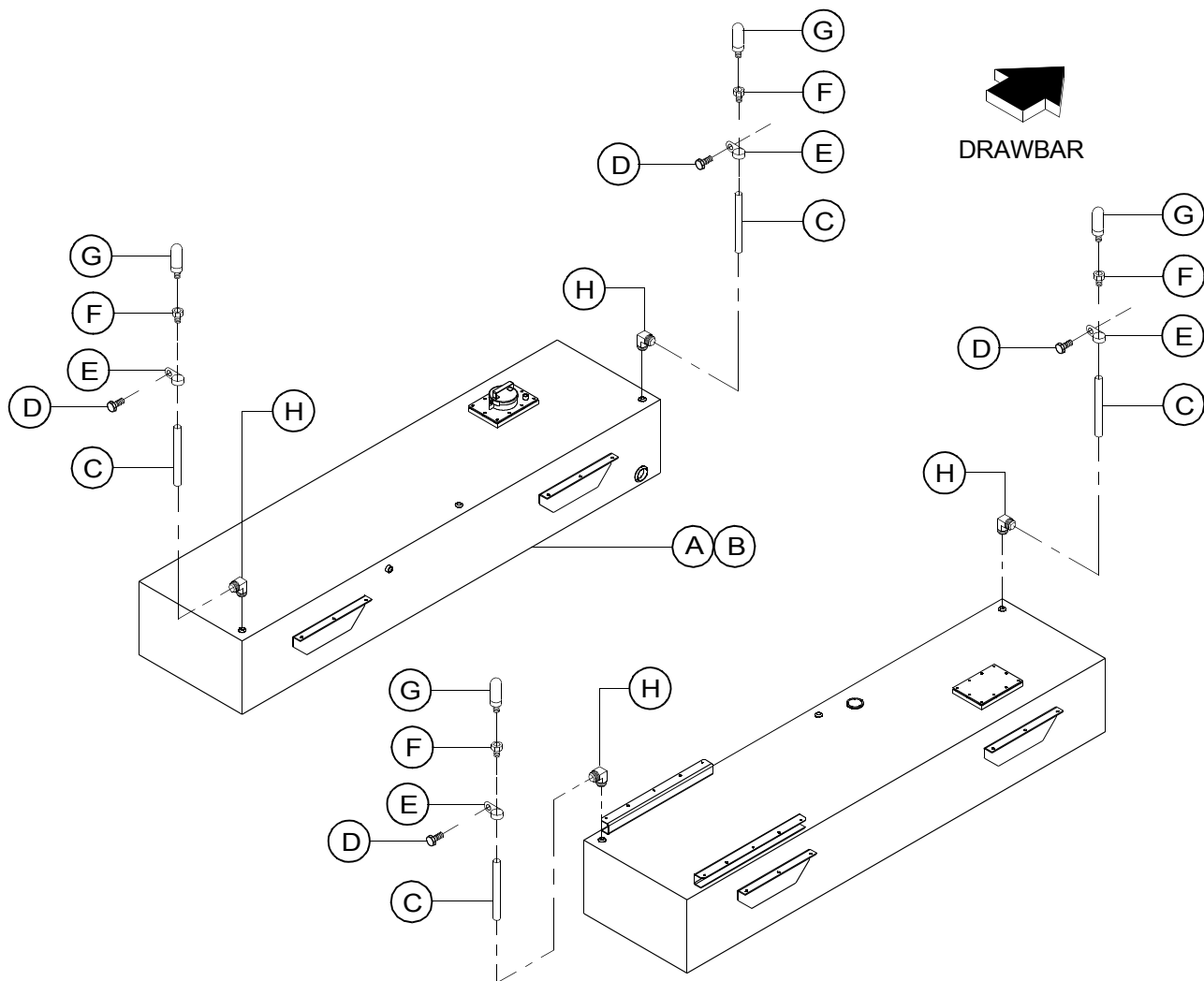
High Speed Running Gear Fuel Tank Vent Piping



22742951_029_06/04_A

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	

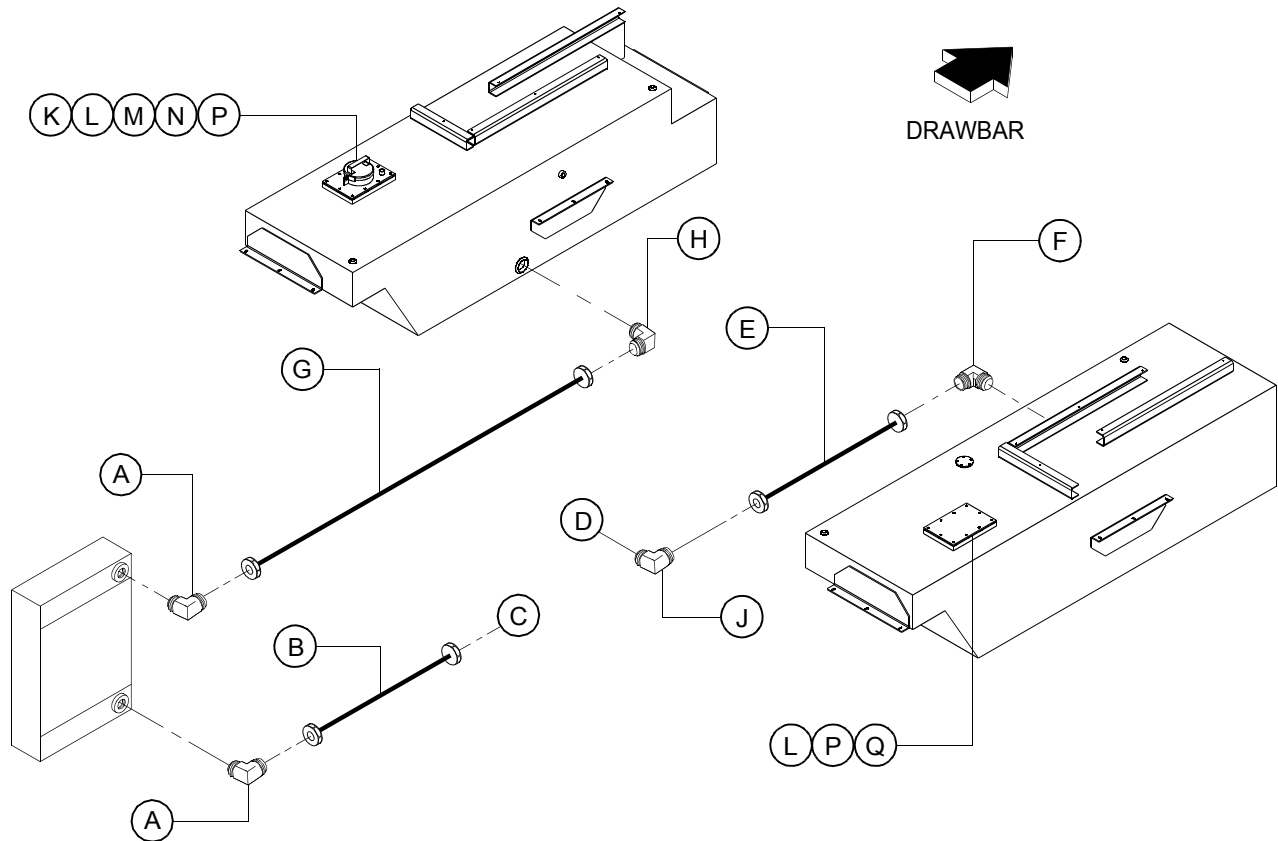
Wagon Wheel Running Gear Fuel Tank Vent Piping



22742951_029_06/04_A

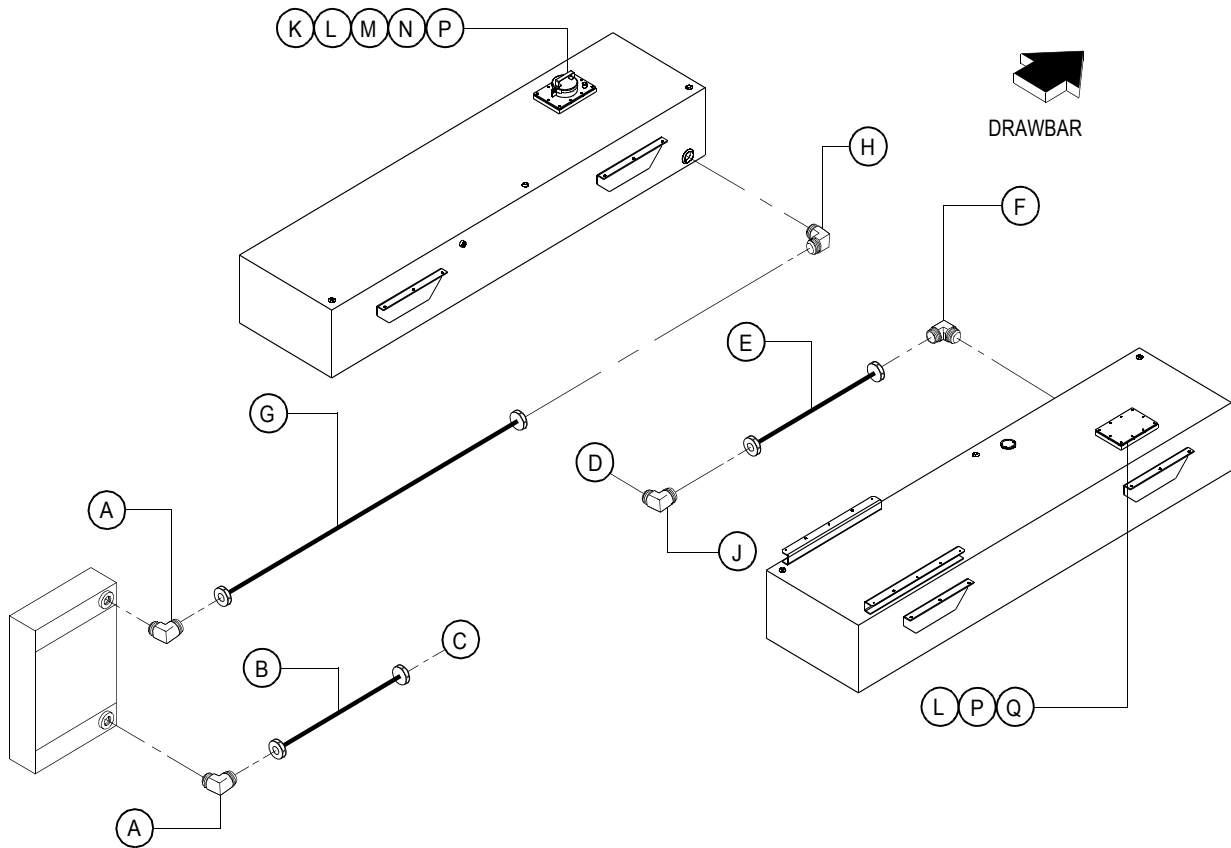
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22699219	Tank, R.H. Fuel	1	
B	54594106	Tank, L.H. Fuel	1	
C	35356484	Tubing (18 Inches)	1	
D	92368687	Screw	1	
E	35253038	Clamp	1	
F	35369339	Reducer	1	
G	35322395	Breather	1	
H	35369354	Elbow	1	

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	35136548	Hose Assembly (HSRG)	1	
	35325083	Hose Assembly (Wagon Wheel)	1	
F	35286756	Elbow	1	
G	22060156	Hose Assembly (HSRG)	1	
	22060149	Hose Assembly (Wagon Wheel)	1	
H	35309210	Elbow	1	
J	35305622	Elbow	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	
Q	22062566	Cover, Fuel Tank Clean-out	1	
	54672811	Sender, Fuel Level	1	

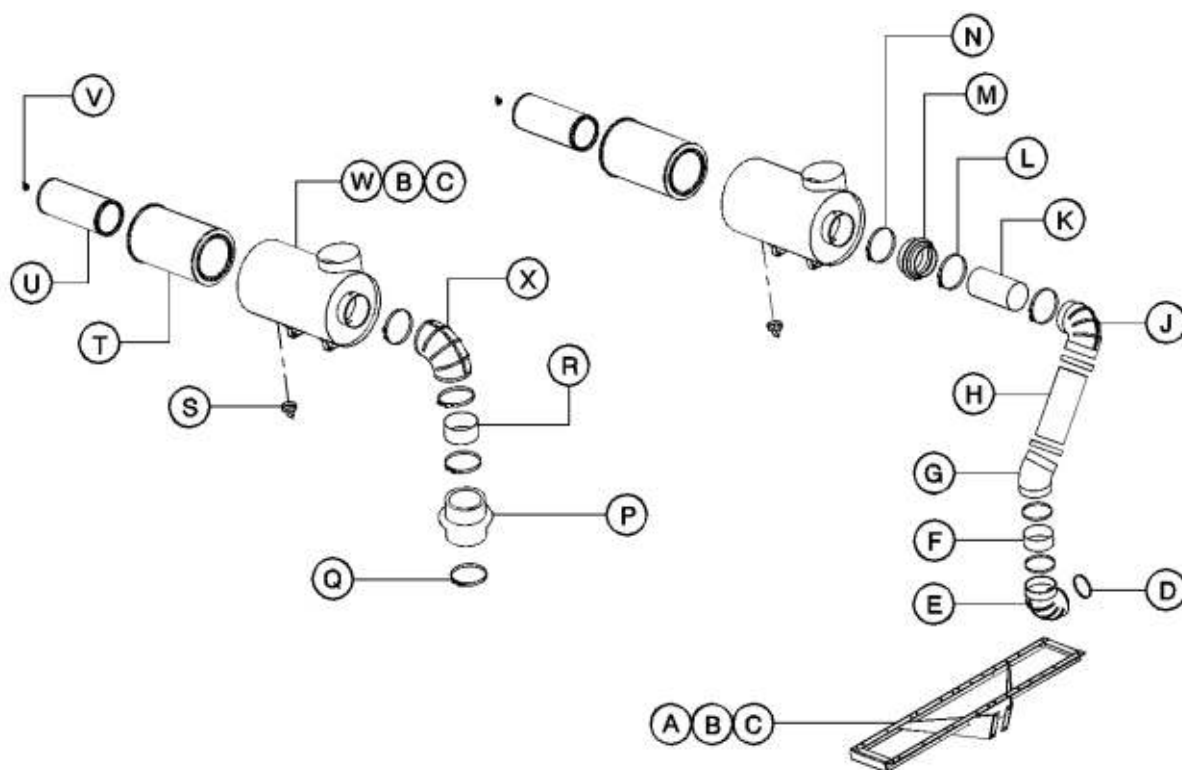
Wagon Wheel Running Gear Fuel Piping



22742951_030_06/04_A

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 (HSRG)	1	
	35325083	Hose Assembly (Wagon Wheel)	1	
F	35286756	Elbow	1	
G	22060156	Hose Assembly (HSRG)	1	
	22060149	Hose Assembly (Wagon Wheel)	1	
H	35309210	Elbow	1	
J	35305622	Elbow	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	
Q	22062566	Cover, Fuel Tank Clean-out	1	
	54672811	Sender, Fuel Level	1	

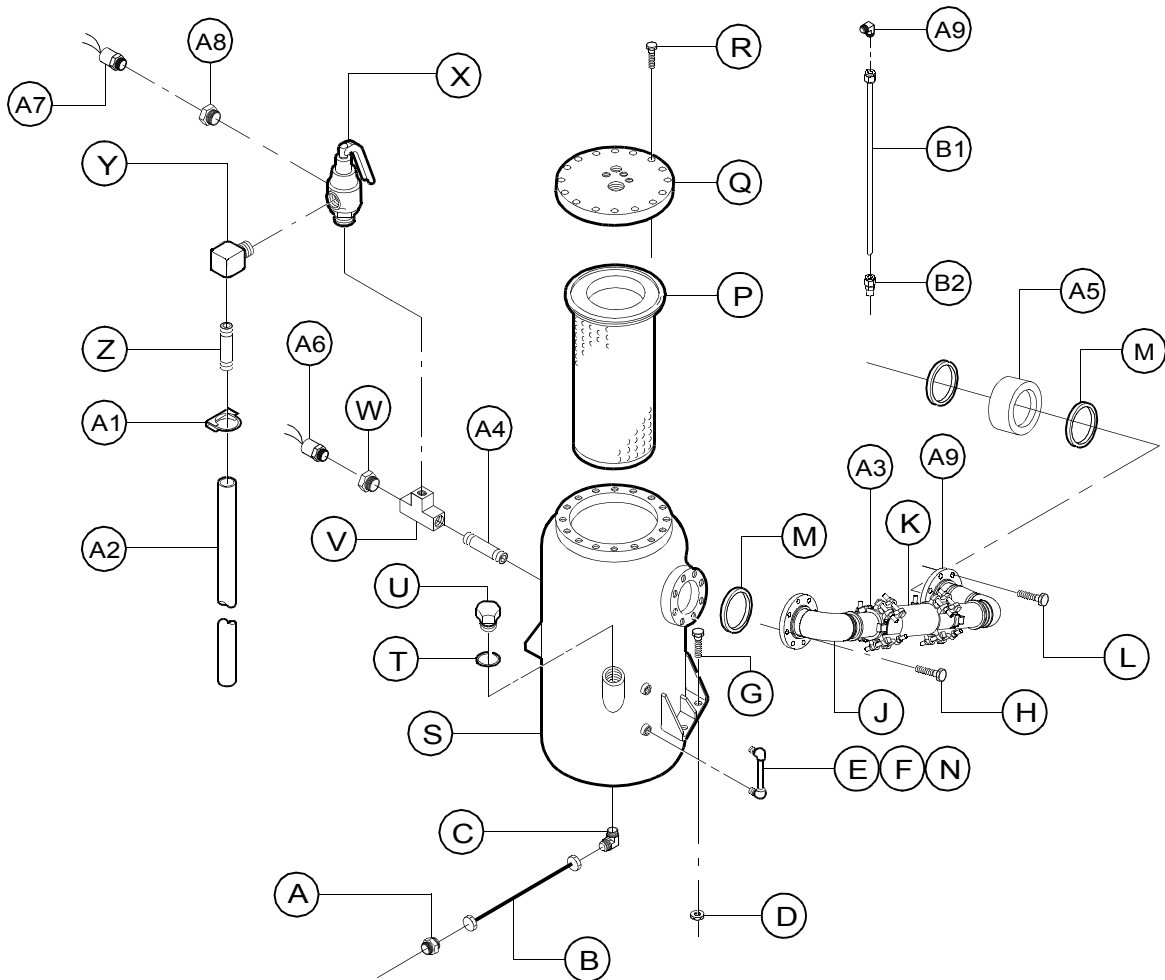
Air Intake and Filters



22742951_031_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36879815	Bracket, Air Cleaner	1	
B	36880995	Screw	12	
C	36879195	Nut	12	
D	35161025	Clamp	1	
E	35583236	Elbow, Rubber	1	
F	36505790	Tube	1	
G	35112630	Elbow, Rubber	1	
H	36794964	Tube	1	
J	35112630	Elbow, Rubber	1	
K	35505866	Tube	1	
L	35119858	Clamp	1	
M	35141290	Hose, Hump	1	
N	35129071	Clamp	1	
P	35120260	Hose, Hump	1	
Q	35129071	Clamp	4	
R	36864726	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	
X	35120211	Elbow, Rubber	1	
	36847838	Switch, Air Filter	2	

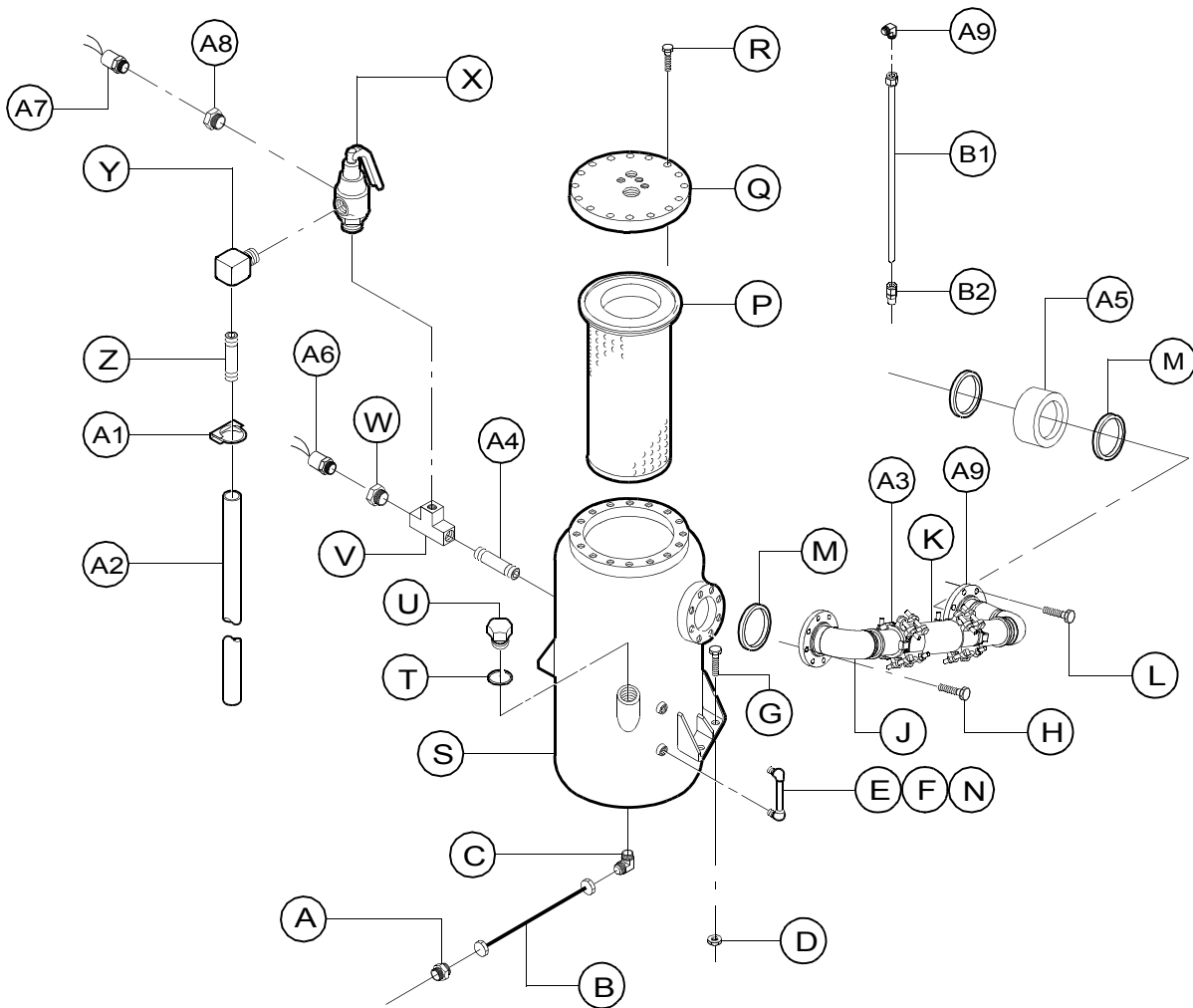
Separator Tank Assembly



22472951_032_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95219747	Connector	1	
B	36878254	Hose Assembly	1	
C	35294750	Elbow	1	
D	36879203	Nut	2	
E	22068837	Glass, Sight	1	
F	36860468	Elbow	2	
G	36879492	Screw	4	
H	95934386	Screw	8	
J	54634839	Discharge Hose Assembly	1	
K	22163729	Discharge Hose	1	
L	35376094	Screw	8	
M	95225116	Gasket	3	
N	35324649	Gasket	2	
P	36762250	Element, Separator	1	
Q	54629159	Cover, Tank	1	
R	95934170	Screw	16	
S	54629134	Tank, MSA Separator	1	
	22068829	Tank, ESA Separator	1	Continued.....

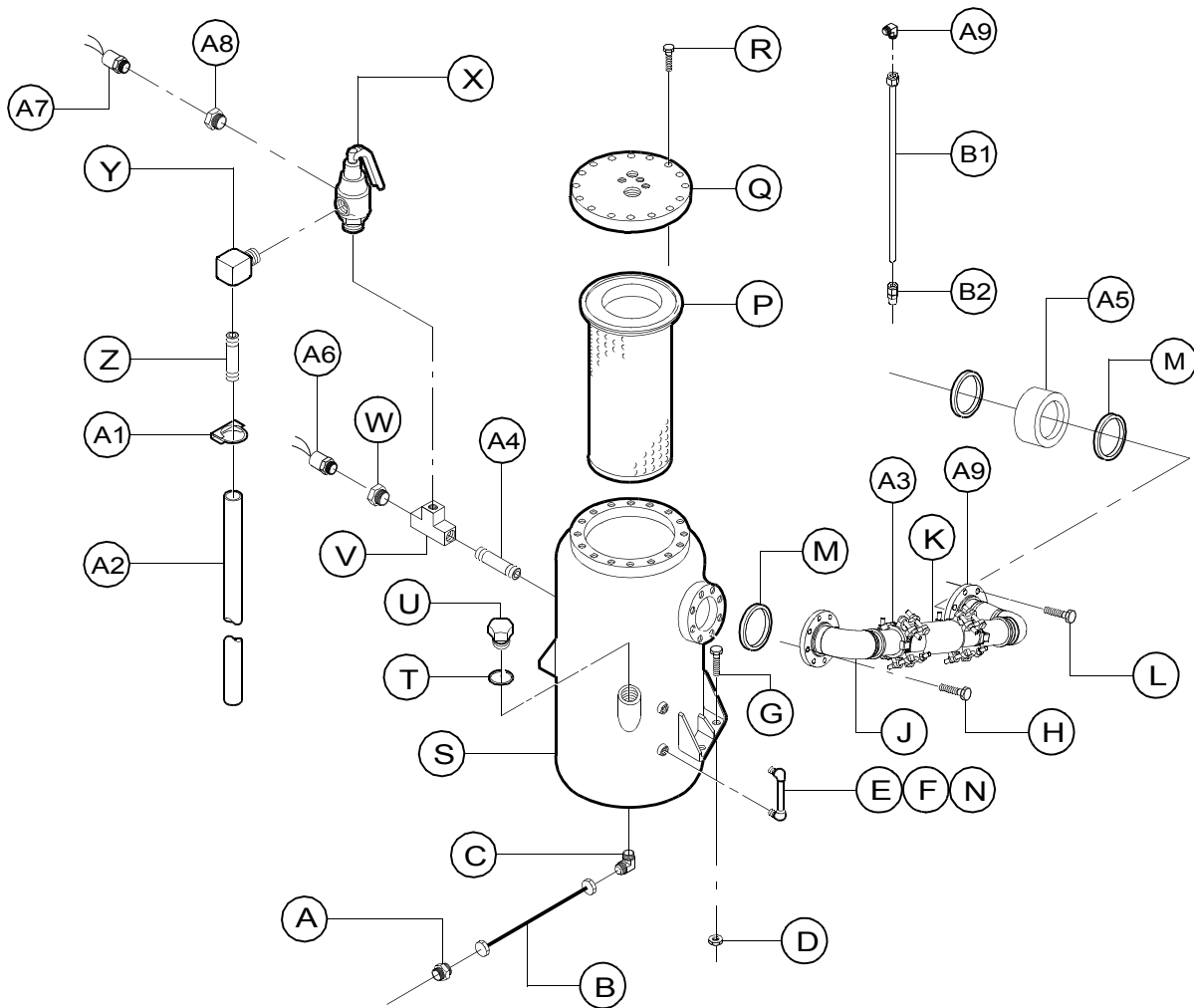
Separator Tank Assembly



22742951_032_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	22138788	Tank, Japanese 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	
A4	95928040	Nipple	1	
A5	36843720	Valve, Check (MSA and No PED with IQ)	1	
	22226922	Valve, 3" Check (PED, No IQ & PED with IQ)	1	
	35392281	Spring	1	
	35392299	Seat	1	

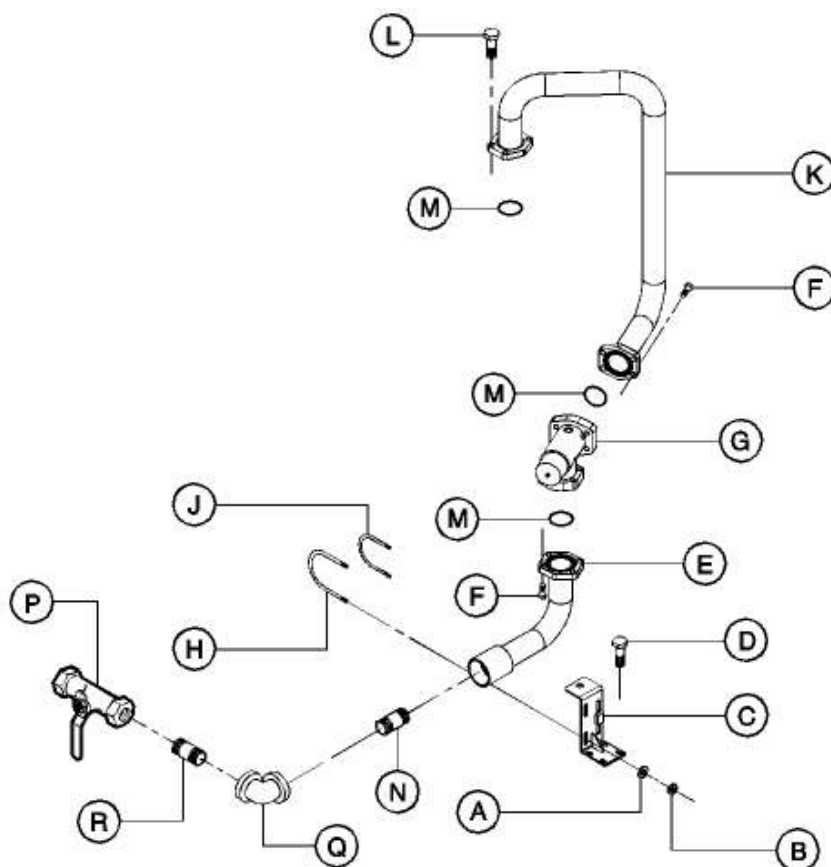
Separator Tank Assembly



22742951_032_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A6	36898922	Sensor, Temperature	1	Continued.....
A7	36757581	Switch, Pressure	1	
A8	95930301	Bushing	1	
A9	35283464	Elbow, 90 Degree	1	
	37081528	.063 Orifice	1	
B1	35593201	Tube, Scavenge	1	
B2	35329309	Fitting, Lenz	1	

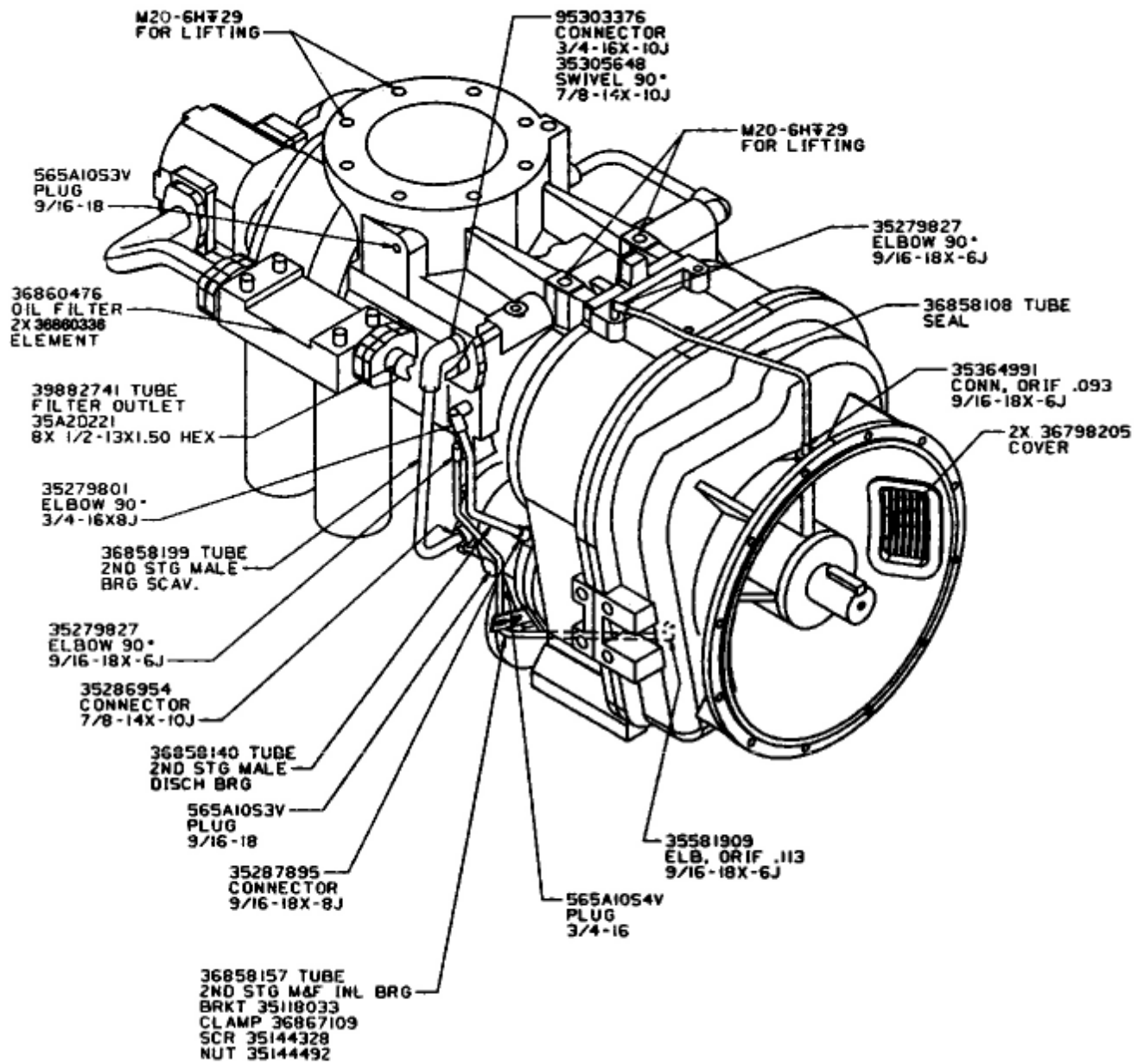
Separator Air Piping



22742951_034_06/04_A

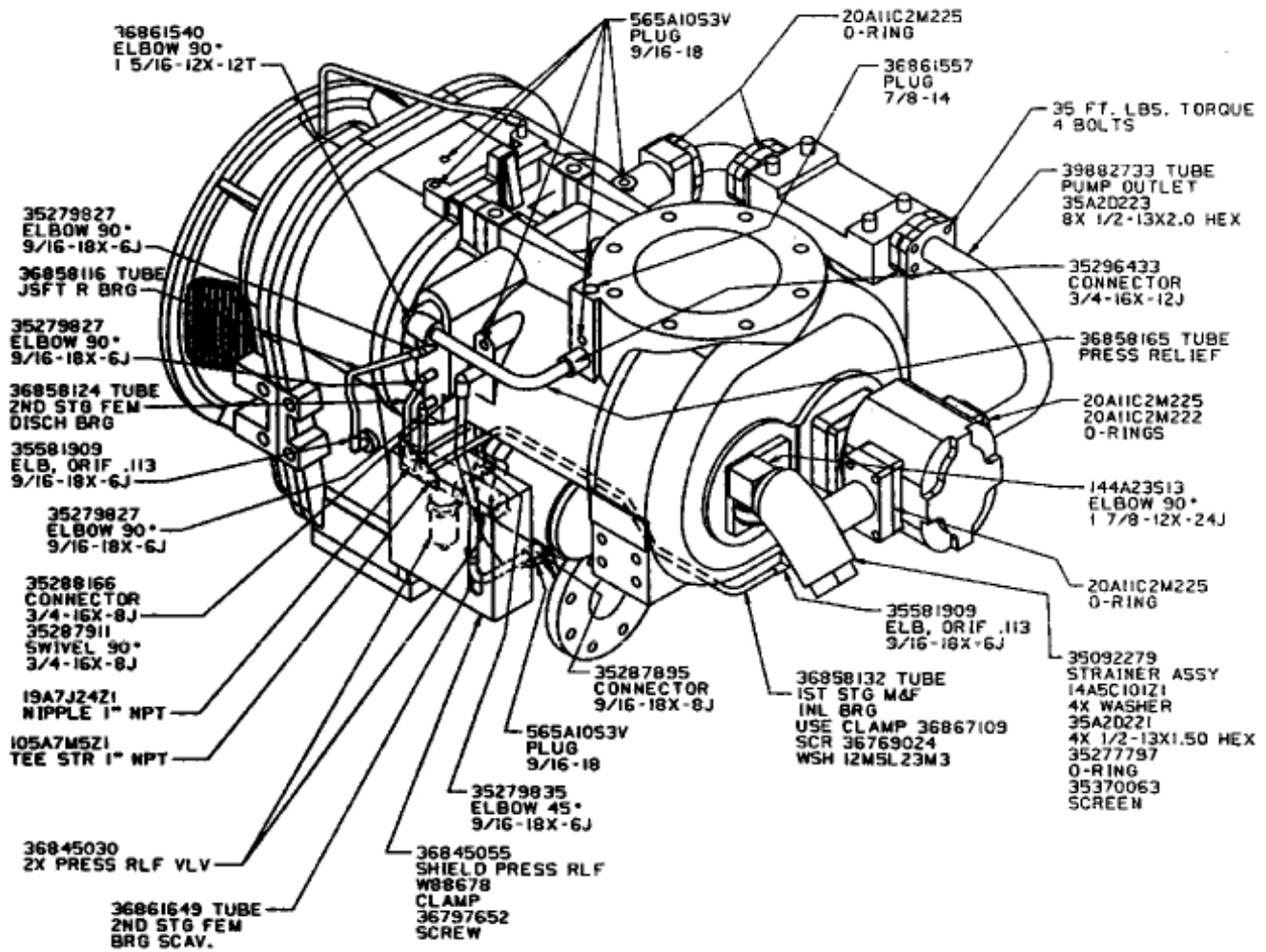
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95935003	Washer	4	
B	95922902	Nut	4	
C	54668314	Support, Pipe	1	
D	35130293	Screw	4	
E	36898120	Pipe, Service (MSA & No PED with IQ)	1	
	22205090	Pipe, Service (PED, No IQ & PED w/ IQ)	1	
F	95929089	Screw	8	
G	54687504	Valve, Min.Press. (MSA & No PED 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 End Piping



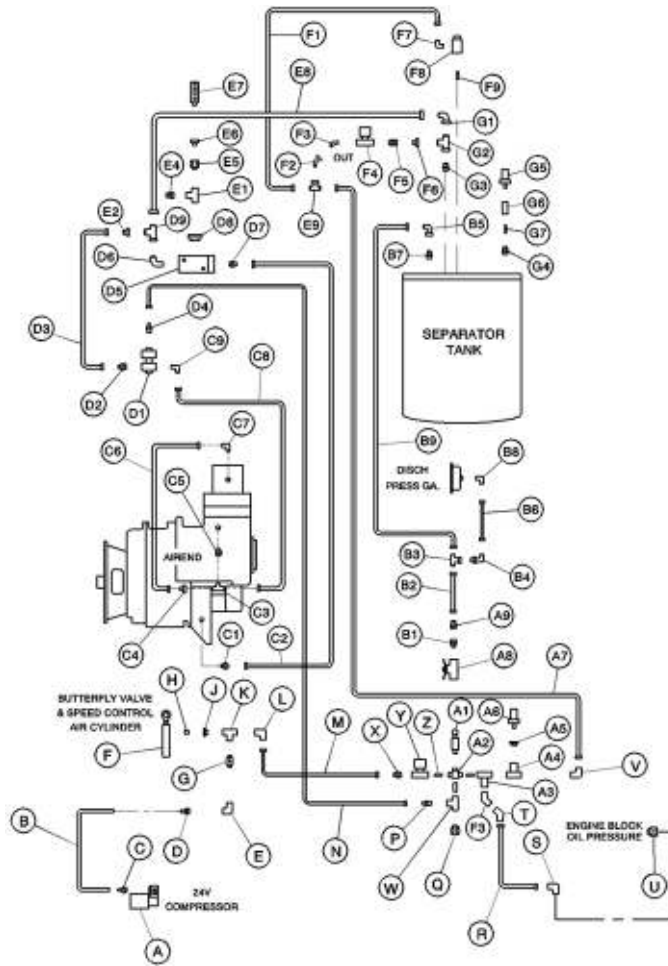
22742951_035_06/04_A

Air End Piping



22742951_036_06/04_A

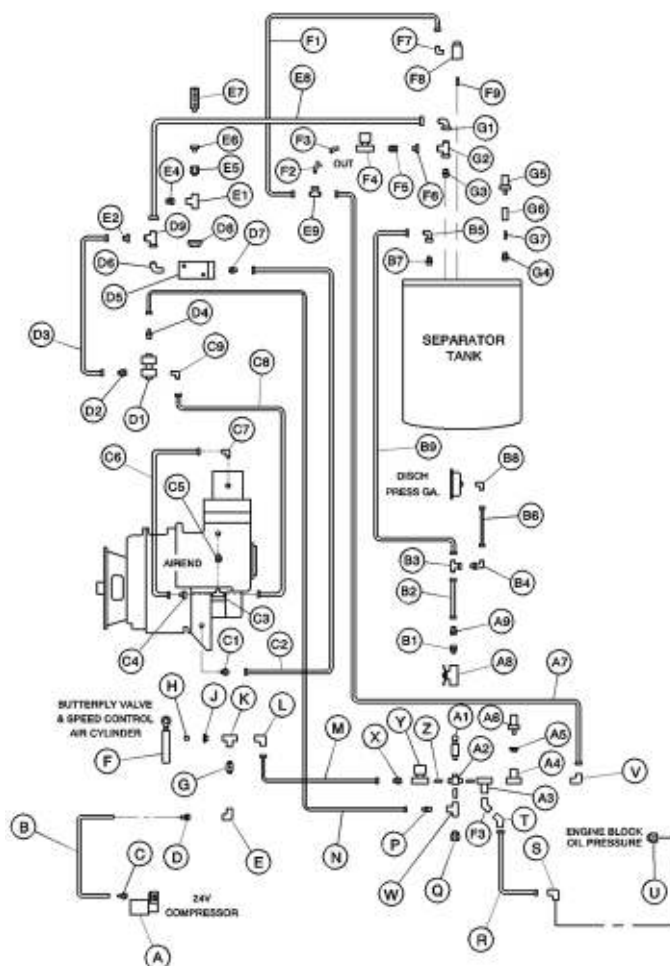
Air Piping



22742951_037_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36850691	24V Compressor	1	<i>Continued.....</i>
B	35288034	Hose Assembly	1	
C	95287629	Adapter	1	
D	35283472	Connector	1	
E	95954095	Elbow	1	
F	35584689	Cylinder, Air	1	
G	35248145	Valve, Check	1	
H	95953493	Nipple	1	
J	95930301	Bushing	1	
K	35321272	Tee	1	
L	35290253	Elbow	1	
M	35323724	Hose Assembly	1	
N	35282912	Hose Assembly	1	
P	35283472	Connector	1	
Q	35248319	Orifice (.094)	1	
R	35284538	Hose Assembly	1	
S	35279934	Elbow	1	
T	35283100	Elbow	1	

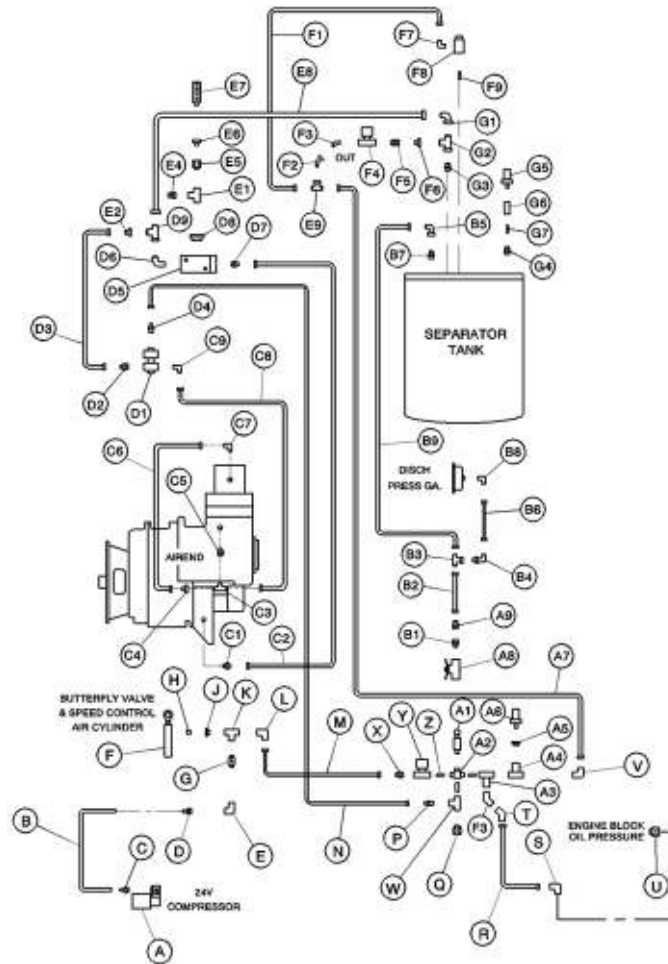
Air Piping



22742951_037_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
U	54720719	Adapter	1	Continued
V	35279934	Elbow	1	
W	35321272	Tee	1	
X	35284082	Connector	1	
Y	36842318	Valve, Solenoid (MSA and No PED with IQ)	1	
	22228886	Valve, Solenoid (PED, No IQ & PED with IQ)	1	
Z	36793776	Nipple	3	
A1	35325133	Valve, Safety (MSA and No PED with IQ)	1	
	22225205	Valve, Safety (PED, No IQ & PED with IQ)	1	
A2	95954293	Cross	1	
A3	35322379	Valve, Blowdown (MSA and No PED with IQ)	1	
	36920445	Valve, Blowdown (PED,No IQ & PED with IQ)	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	
				Continued.....

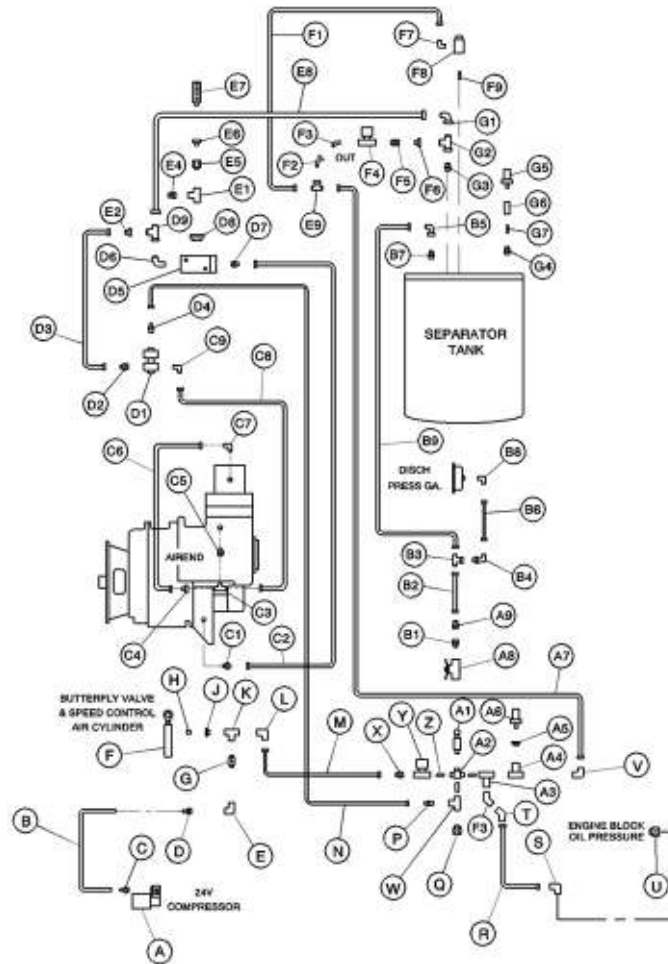
Air Piping



22742951_037_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
B2	35282961	Hose Assembly	1	Continued
B3	35283092	Tee	1	
B4	36852499	Fitting, Bulkhead	1	
B5	35283068	Elbow	1	
B6	35282979	Hose Assembly	1	
B7	35284082	Connector	1	
B8	35280098	Elbow	1	
B9	35294701	Hose Assembly	1	
C1	35296391	Connector	1	
C2	35322592	Hose Assembly	1	
C3	95642484	Tee	1	
C4	35299734	Reducer	1	
C5	35287895	Connector	1	
C6	35310960	Hose Assembly	1	
C7	35283464	Elbow	1	
C8	35295179	Hose Assembly	1	
C9	35309210	Elbow	1	
D1	35316405	Anti-Rumble Valve	1	
				Continued.....

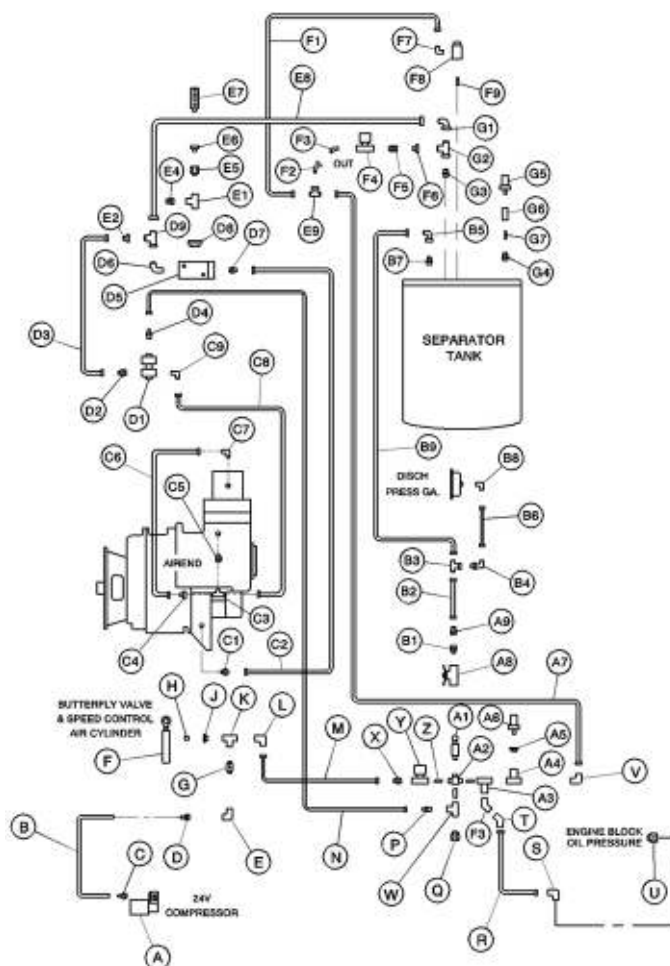
Air Piping



22742951_037_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
D2	35286426	Connector	1	Continued
D3	35252782	Hose Assembly	1	
D4	35283472	Connector	1	
D5	35849215	Valve, Auto Blowdown	1	
D6	35294735	Elbow	1	
D7	35290147	Connector	1	
D8	95944633	Bushing	1	
D9	35287739	Tee	1	
E1	35114545	Tee	1	
E2	35365774	Reducer	1	
E3	35311471	Hose Assembly	1	
E4	35284082	Connector	1	
E5	35322346	Orifice (.156)	1	
E6	95948501	Adapter	1	
E7	35132299	Silencer	1	
E8	35376110	Hose Assembly	1	
E9	35283092	Tee	1	
				Continued.....

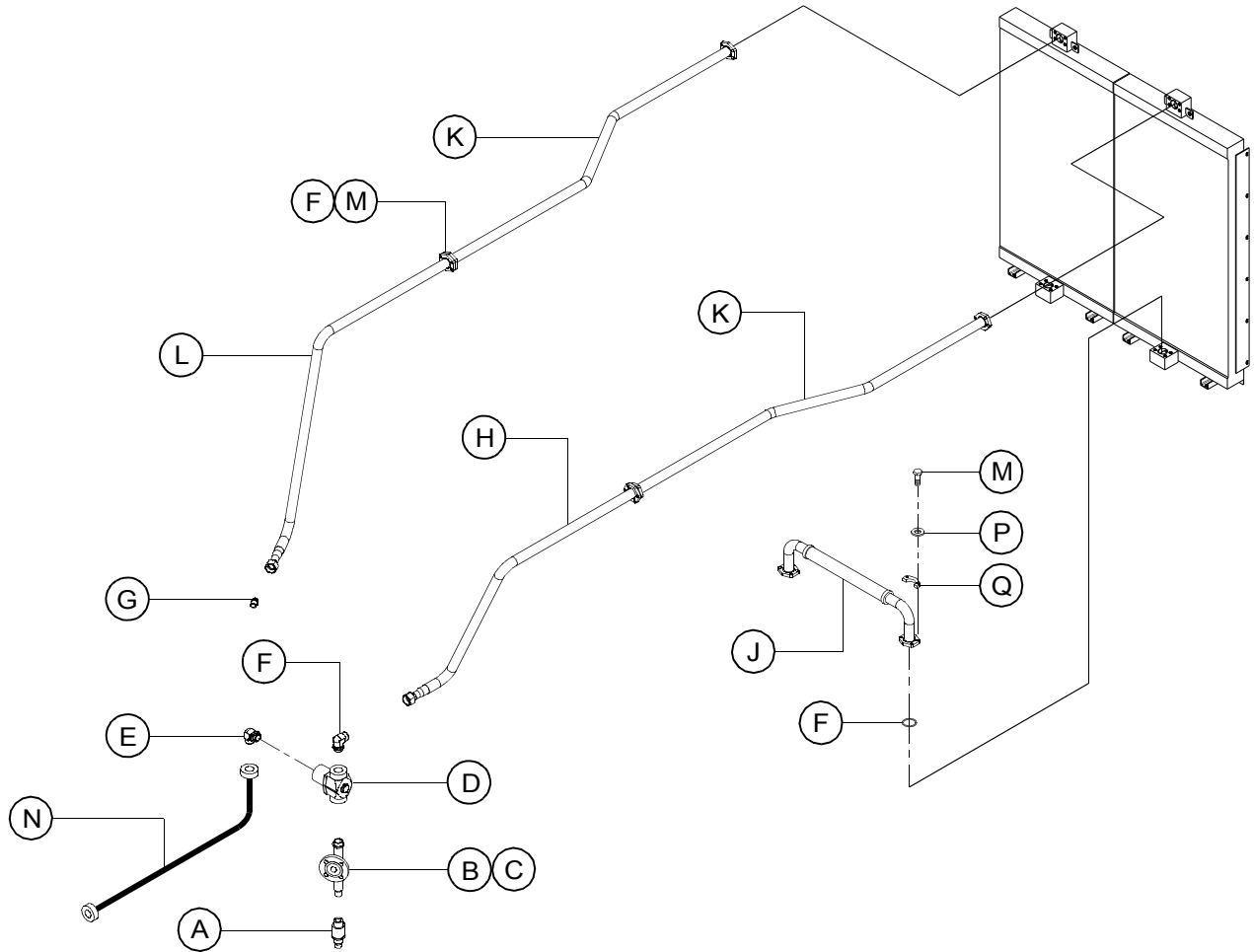
Air Piping



22742951_037_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
F1	35282946	Hose Assembly	1	Continued
F2	35283100	Elbow	1	
F3	35294743	Elbow	1	
F4	36842300	Valve, Solenoid (MSA and No PED with IQ)	1	
	22228878	Valve, Solenoid (PED, No IQ & PED with IQ)	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	

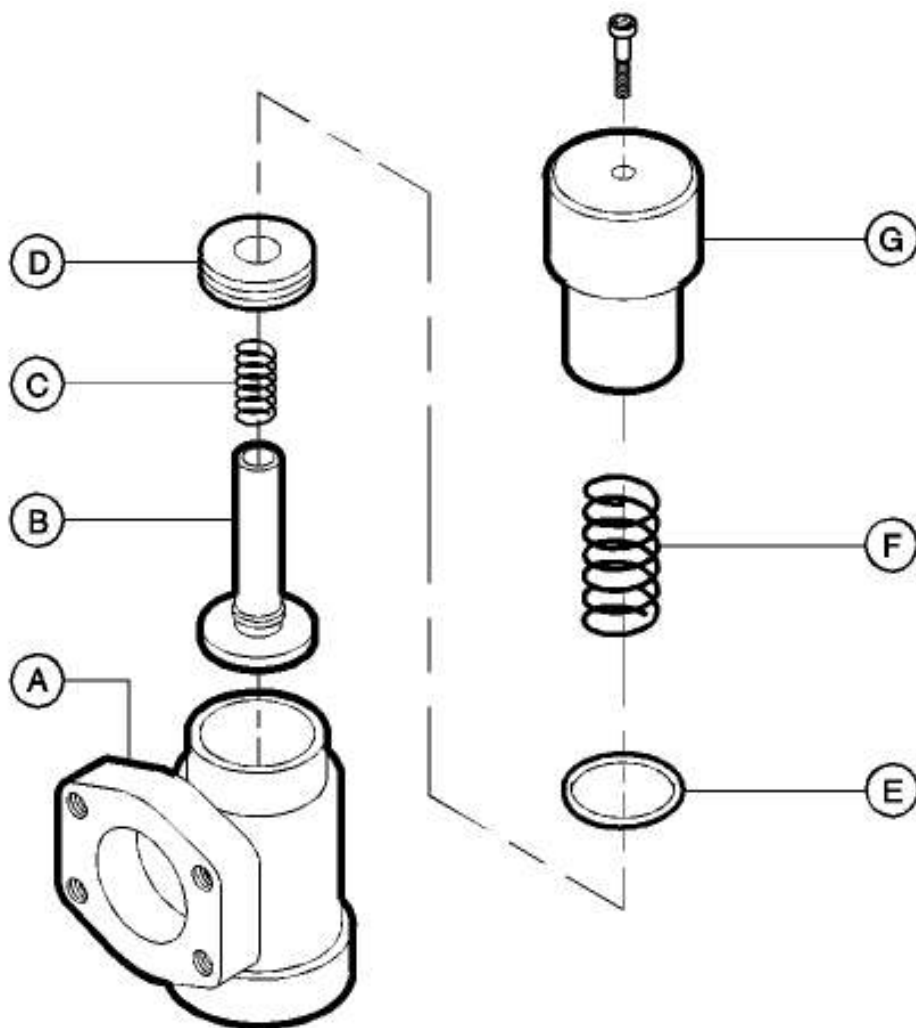
HR 2.5 Oil Piping



22742951_042_06/04_A

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	1	
L	54638374	Tube Assembly	1	
M	95920708	Screw	8	
N	35130863	Hose Assembly	1	
P	95934733	Washer	8	
Q	35323492	Flange, Split	4	

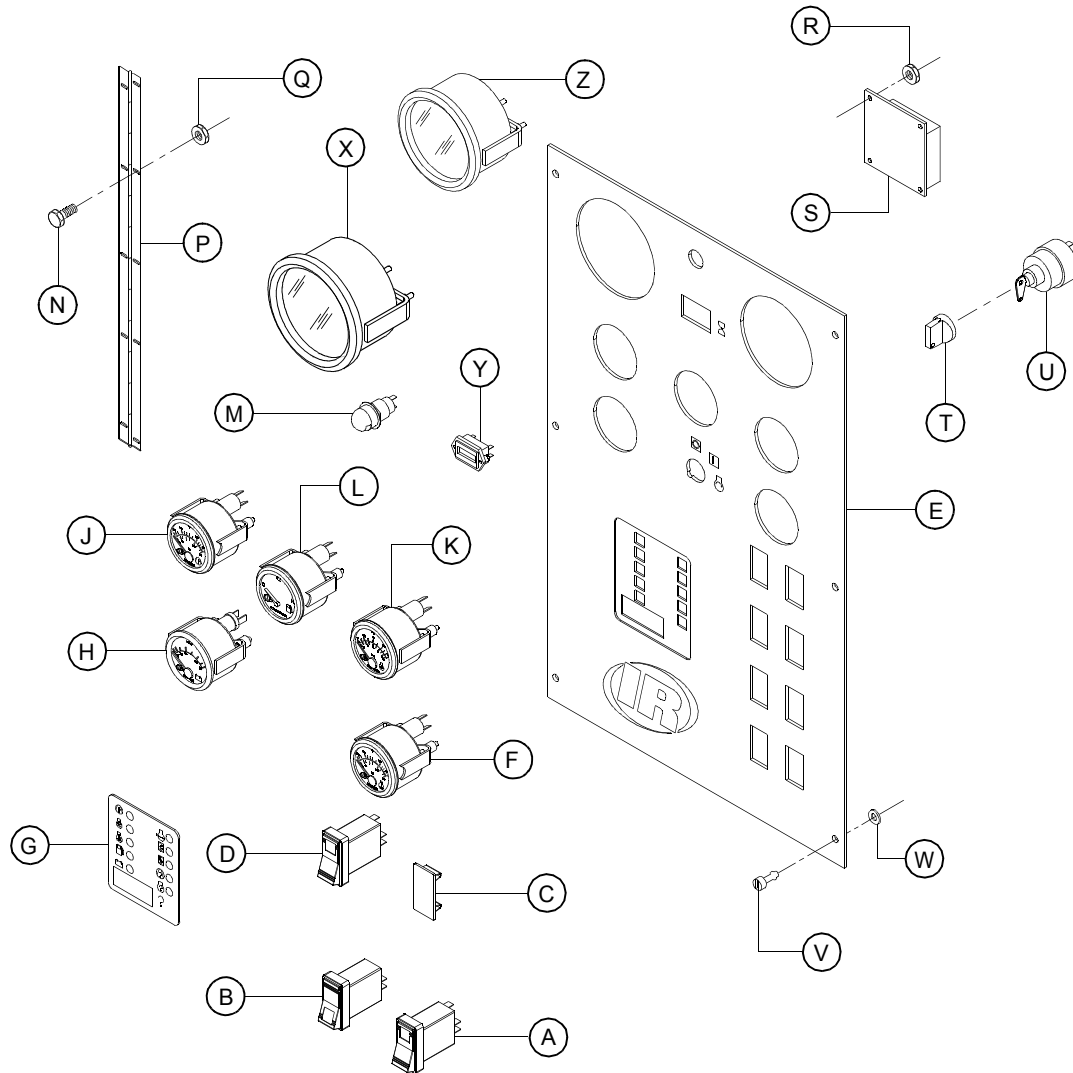
Minimum Pressure Check Valve Assembly



22742951_043_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54699731	Body, Check Valve	1	
B	54699764	Check Valve Assembly	1	
C	54699749	Spring, Check Valve	1	
D	54699772	Piston	1	
E	54699756	O-Ring	1	
F	54699798	Spring, Main	1	
G	54699780	Cap (MSA and No PED with IQ)	1	
	22208342	Cap (PED, No IQ & PED with IQ)		

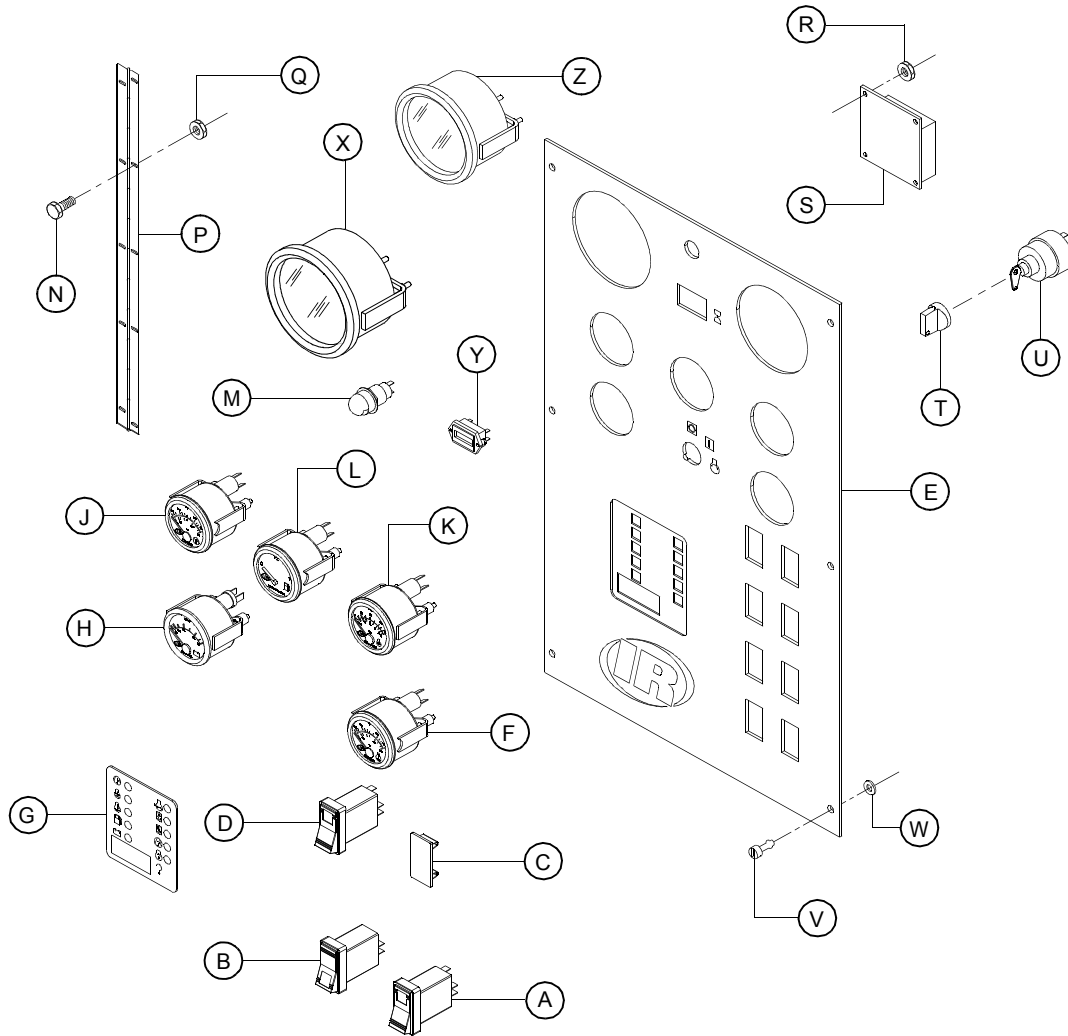
Instrument Panel Assembly



22742951_046_06/04_A

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.....

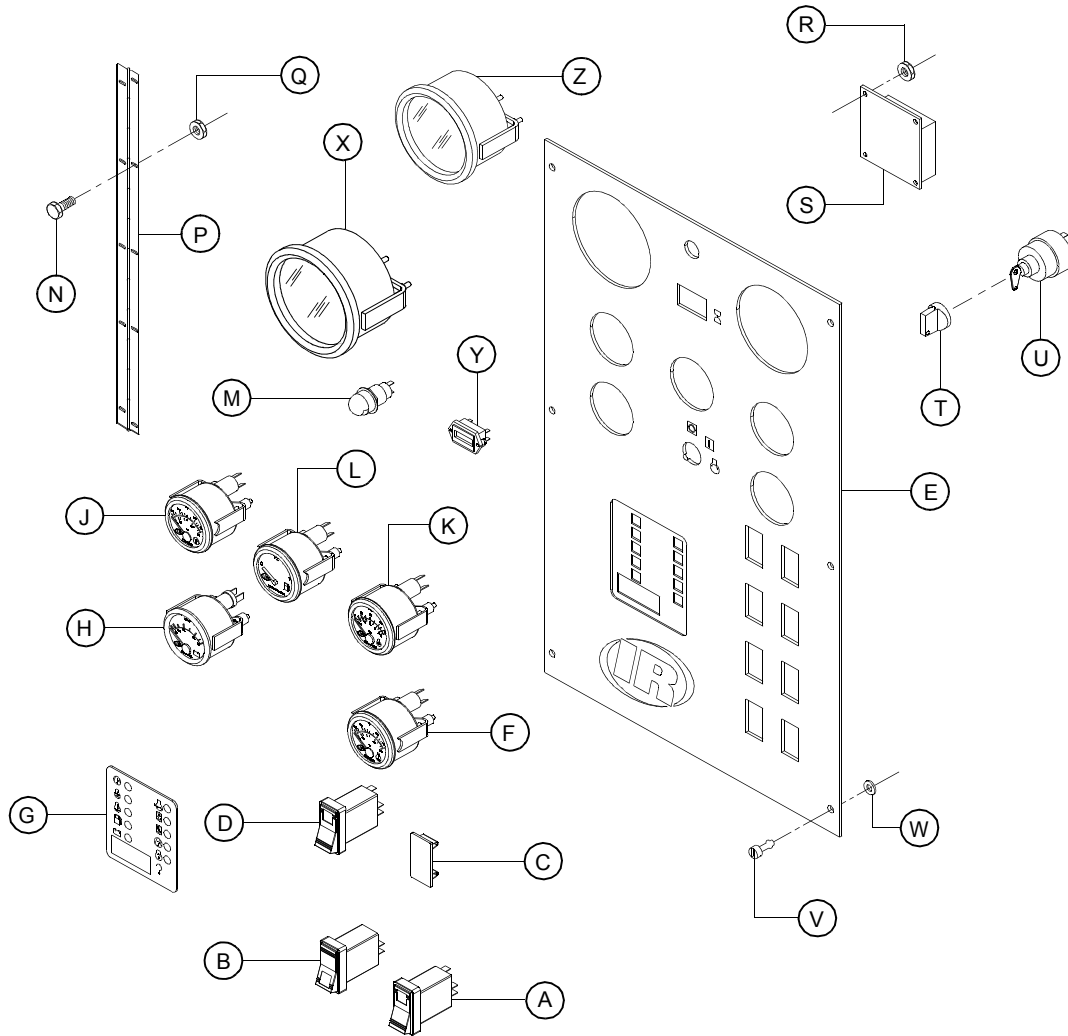
Instrument Panel Assembly



22742951_046_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22050991	Gage, Fuel Level	1	Continued Before S/N 375132 After S/N 375131
	22692602	Gage, Fuel Level	1	
M	36852622	Light, Instrument Panel	1	
N	36898096	Screw	3	
P	36840908	Hinge	1	
Q	36898104	Nut	3	
R	95928800	Nut	4	
S	22173579	Module, Wedge	1	
T	22134118	Knob, Switch	1	
U	22127385	Switch, Starter	1	
V	36844124	Screw, Quarter Turn	6	
W	35314582	Receptacle	3	

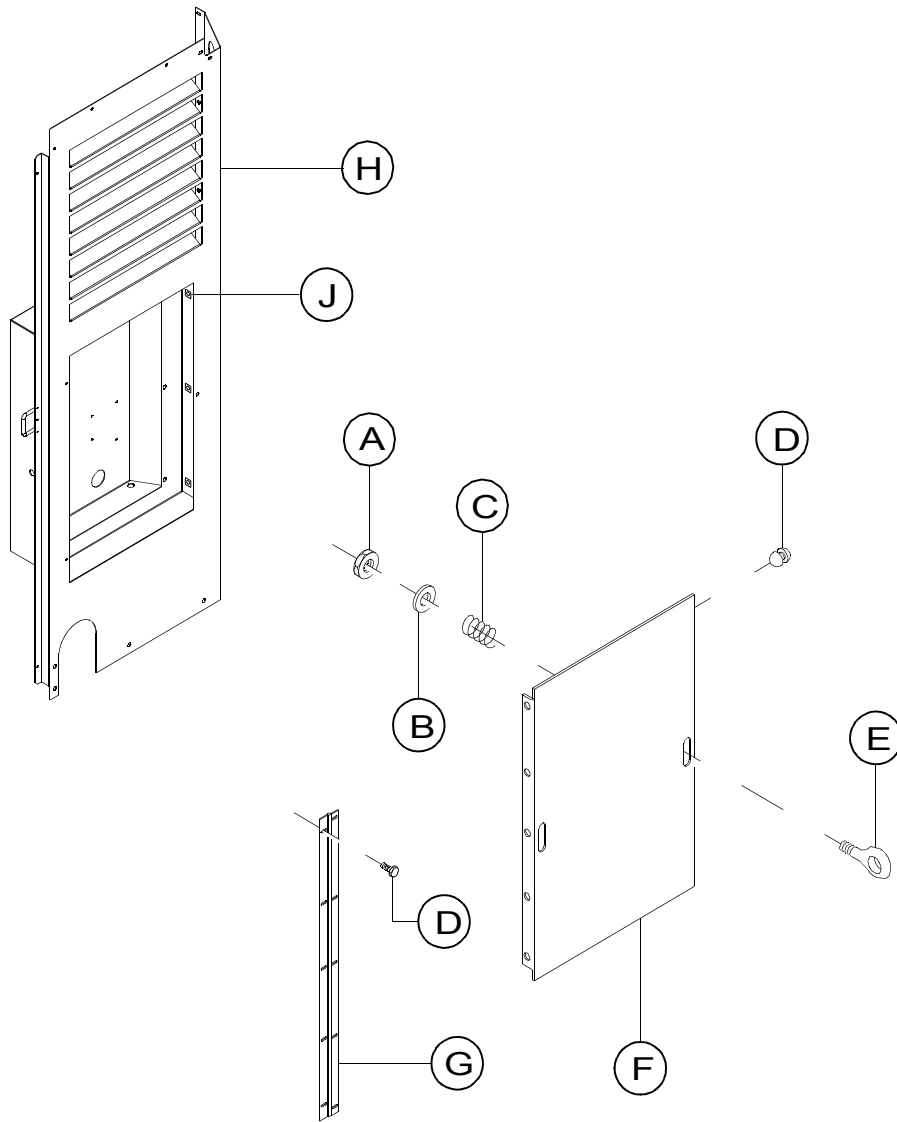
Instrument Panel Assembly



22742951_046_06/04_A

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		
Y	54766704	Hourmeter	1	
Z	22055883	Tachometer	1	

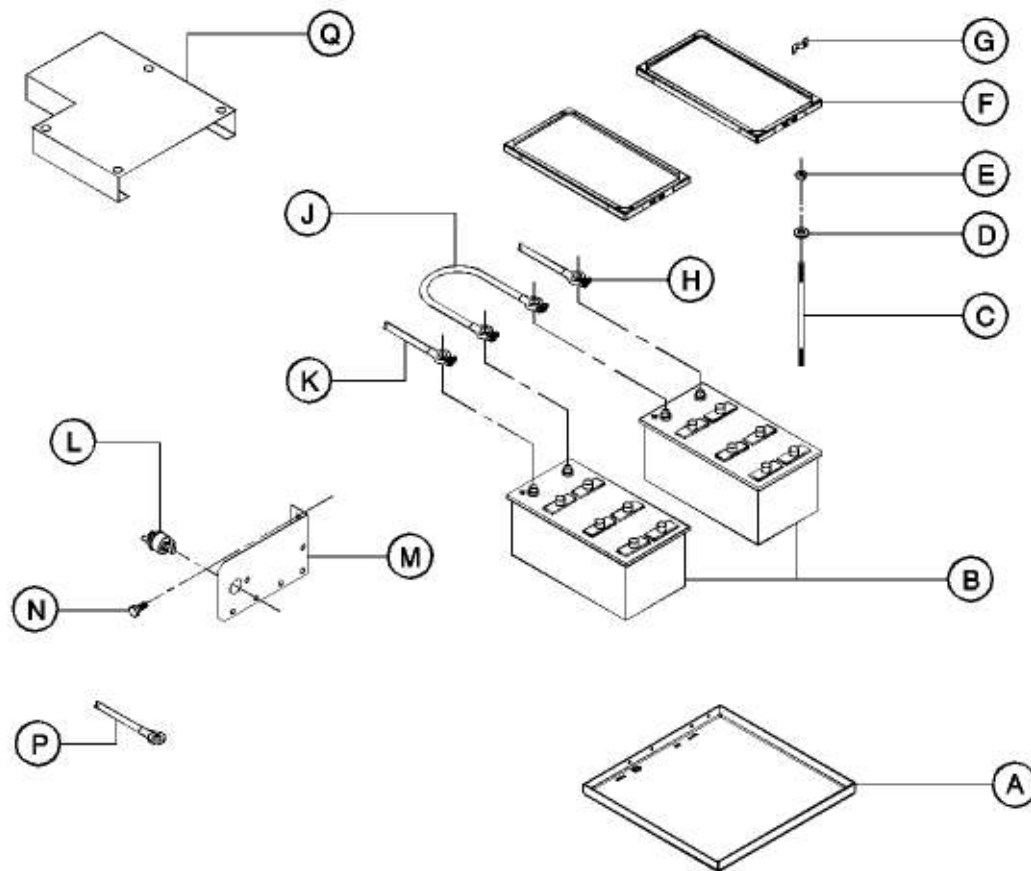
Instrument Panel Assembly



22742951_047_06/04_A

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	

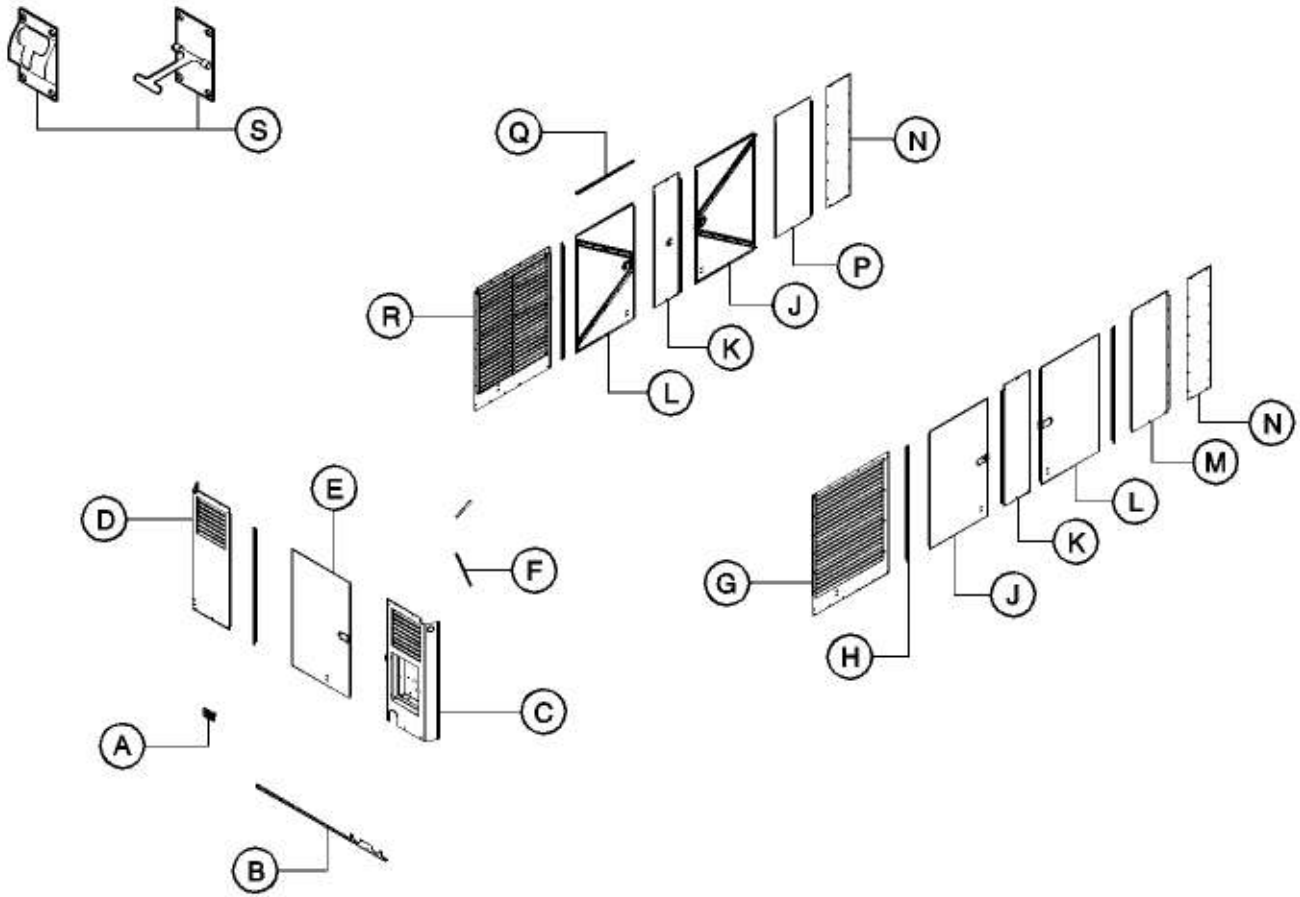
Battery & Mounting



22742951_048_06/04_A

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, 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	

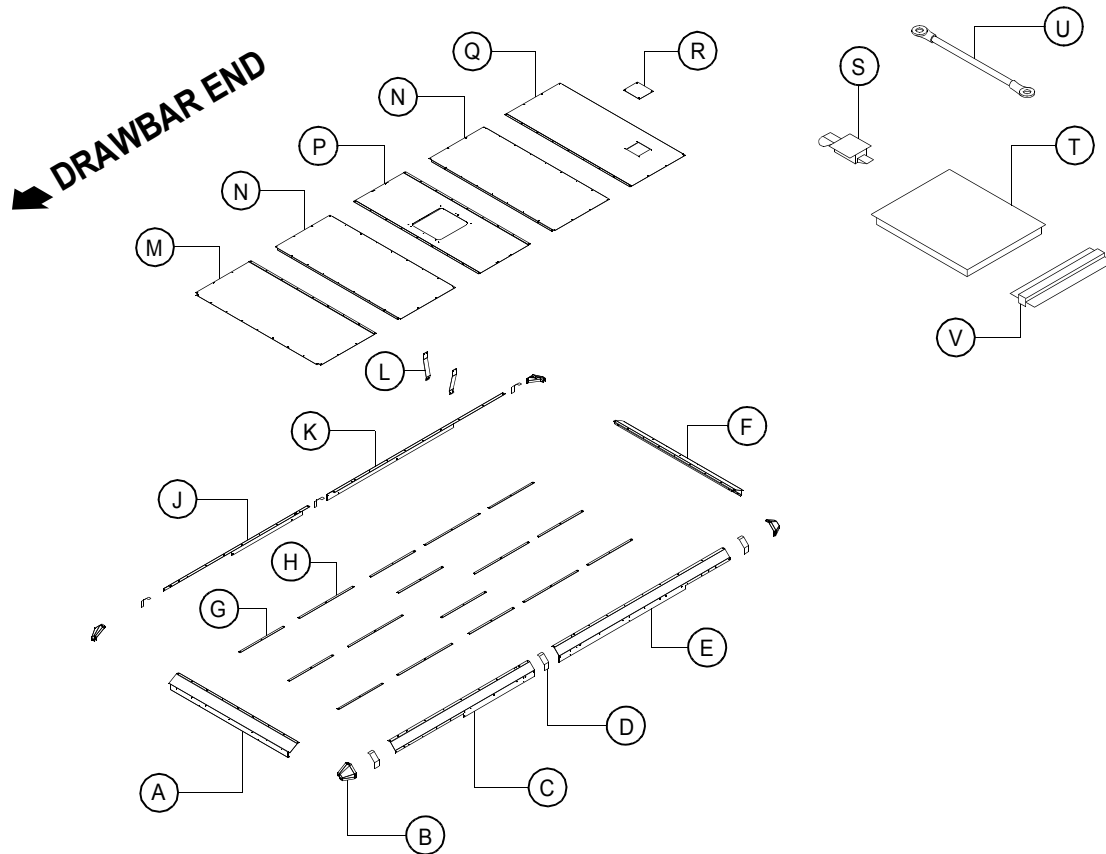
Common Enclosure Assembly



22742951_049_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36793602	Latch, Door Slam	5	
B	54576871	Brace, Front Panel	1	
C	22055743	Panel, L.H. Front	1	
D	22055750	Panel, R.H. Front	1	
E	36863363	Door, Front	1	
F	54718184	Brace, Front	6	
G	54587944	Grille, L.H. 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, L.H. Rear Side	1	
N	54663240	Panel, Rear Side	1	
P	54587985	Panel, R.H. Rear Side	1	
Q	36863371	Angle, Door Drip	6	
R	54587951	Grille, R.H. Front Side	1	
S	36849925	Latch, Door	5	

Top Enclosure Assembly

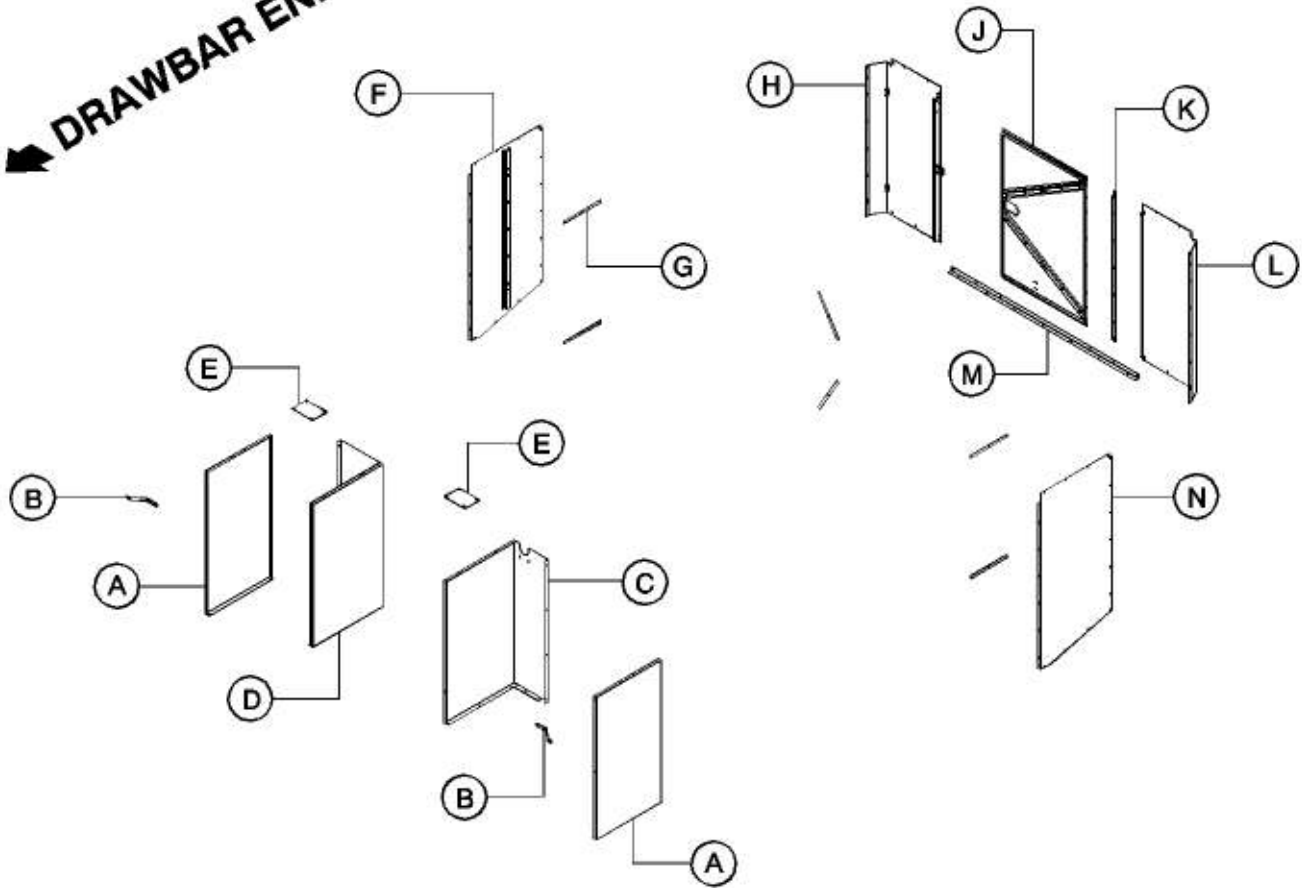


22742951_050_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54576970	Cap, Front End	1	
B	36755981	Cap, Corner	4	
C	54690110	Cap, L.H. Front Side	1	
D	36755742	Bracket, Filler	6	
E	54690128	Cap, L.H. Rear Side	1	
F	54584784	Cap, Rear End	1	
G	54747316	Brace, Top Foam	8	
H	54747324	Brace, Top Foam	8	
J	54663224	Cap, R.H. Front Top	1	
K	54663232	Cap, R.H. Rear Top	1	
L	54700091	Brace, Center Roof	2	
M	54599915	Panel, Front Top	1	
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

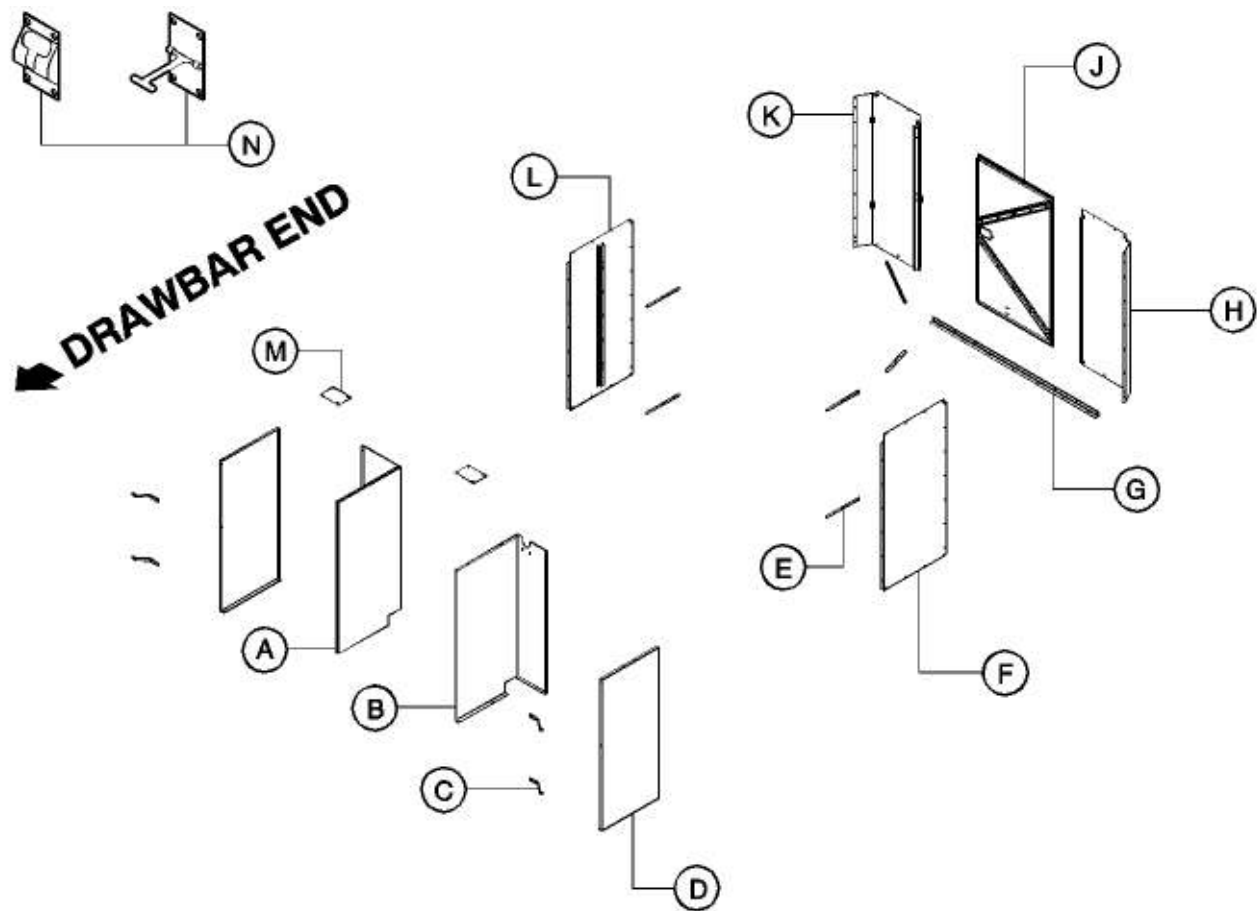
← DRAWBAR END



22742951_052_06/04_A

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

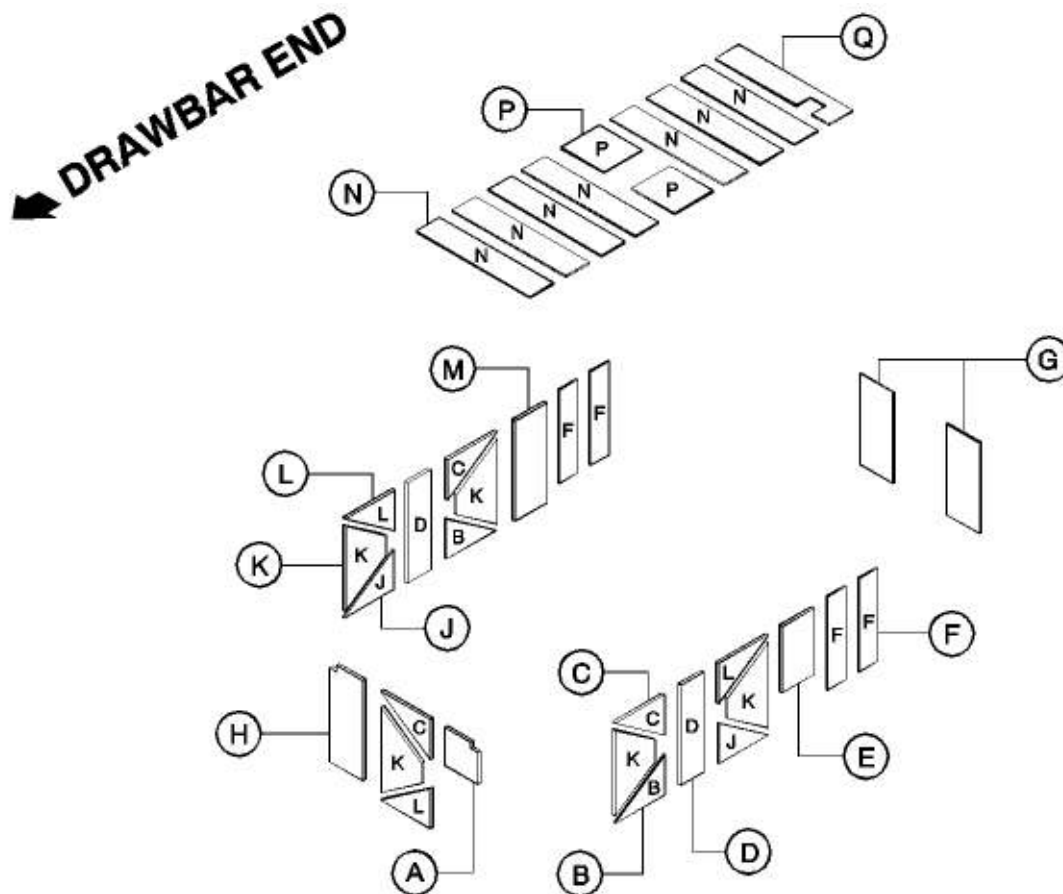
Wagon Wheel Enclosure



22742951_052_06/04_A

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

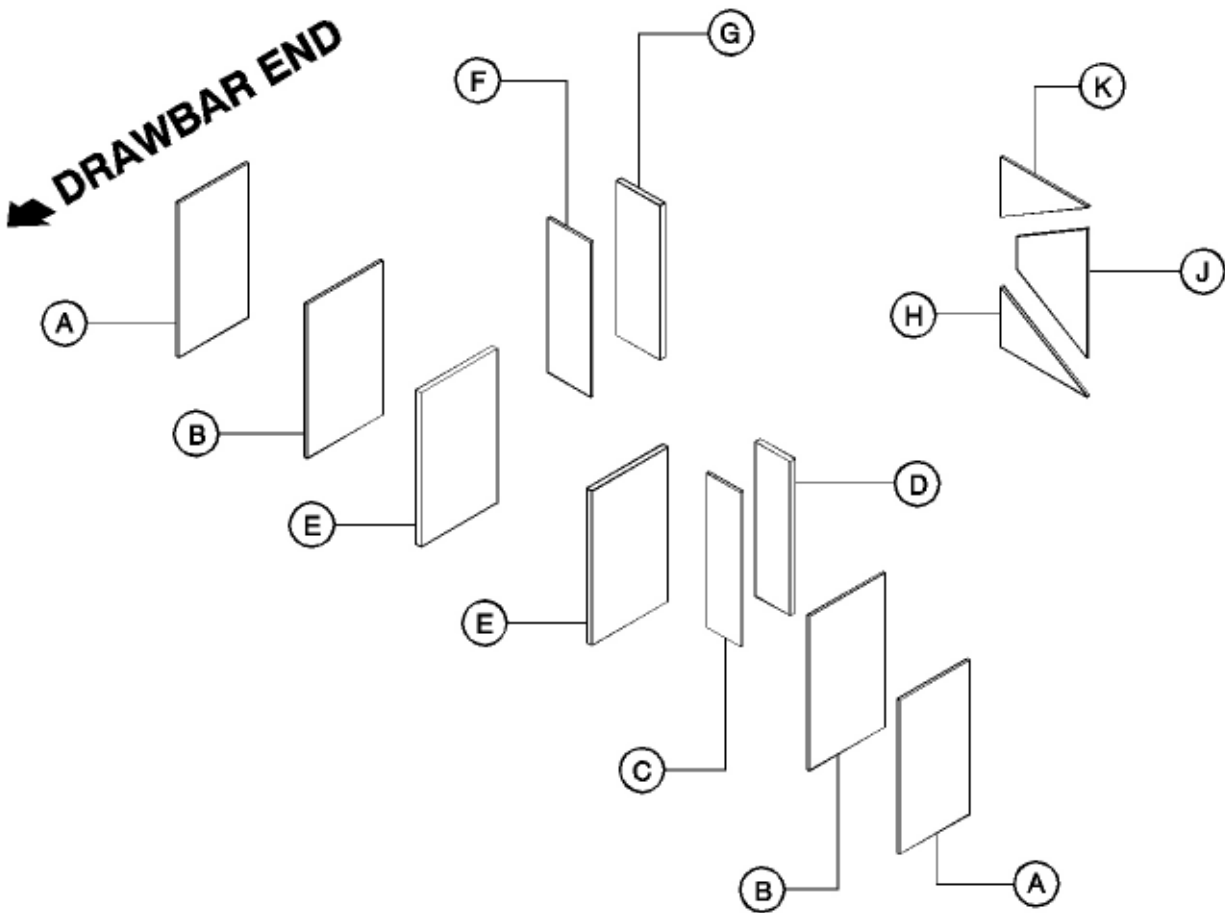
Common Acoustics



22742951_053_06/04_A

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	54721675	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	

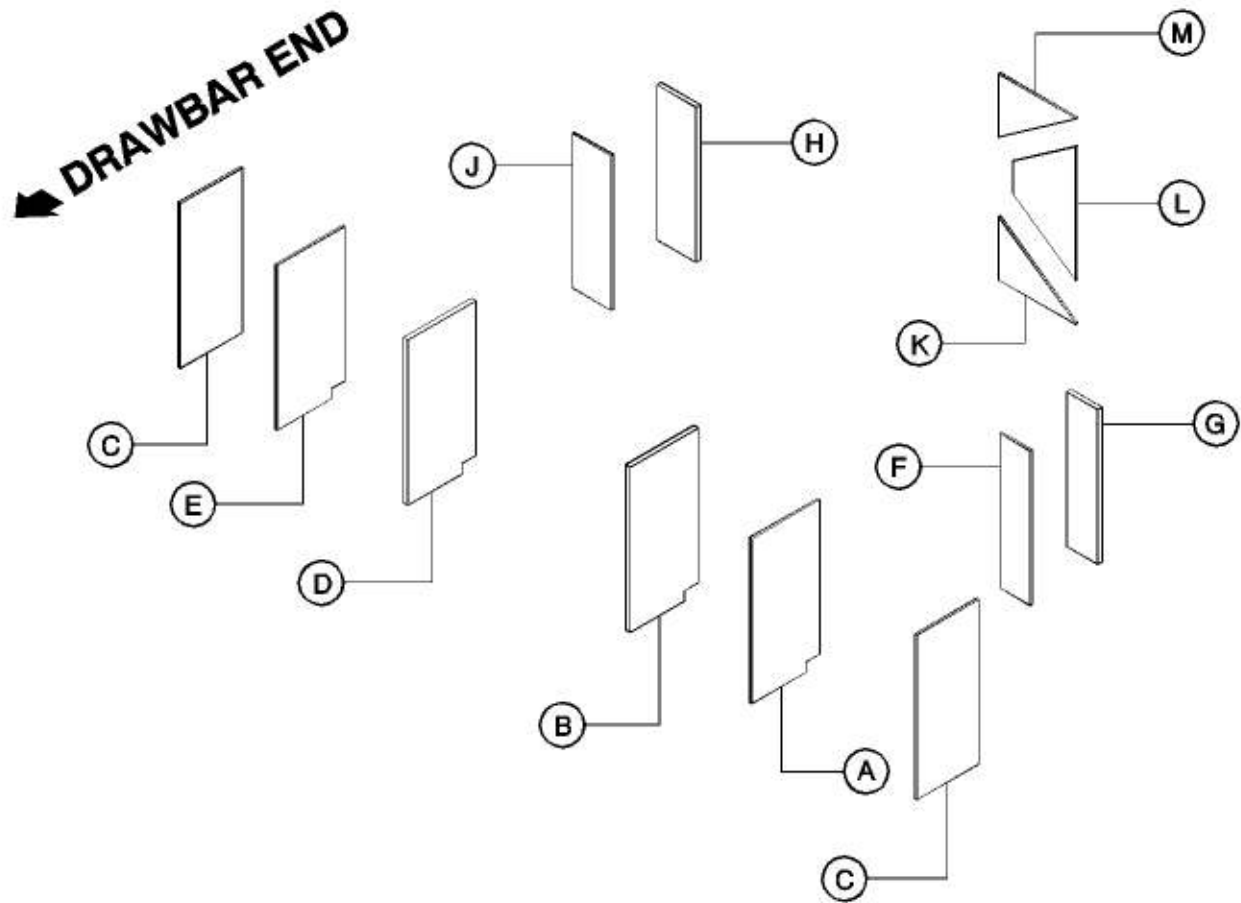
High Speed Running Gear Acoustics



22742951_54_06/04_A

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	

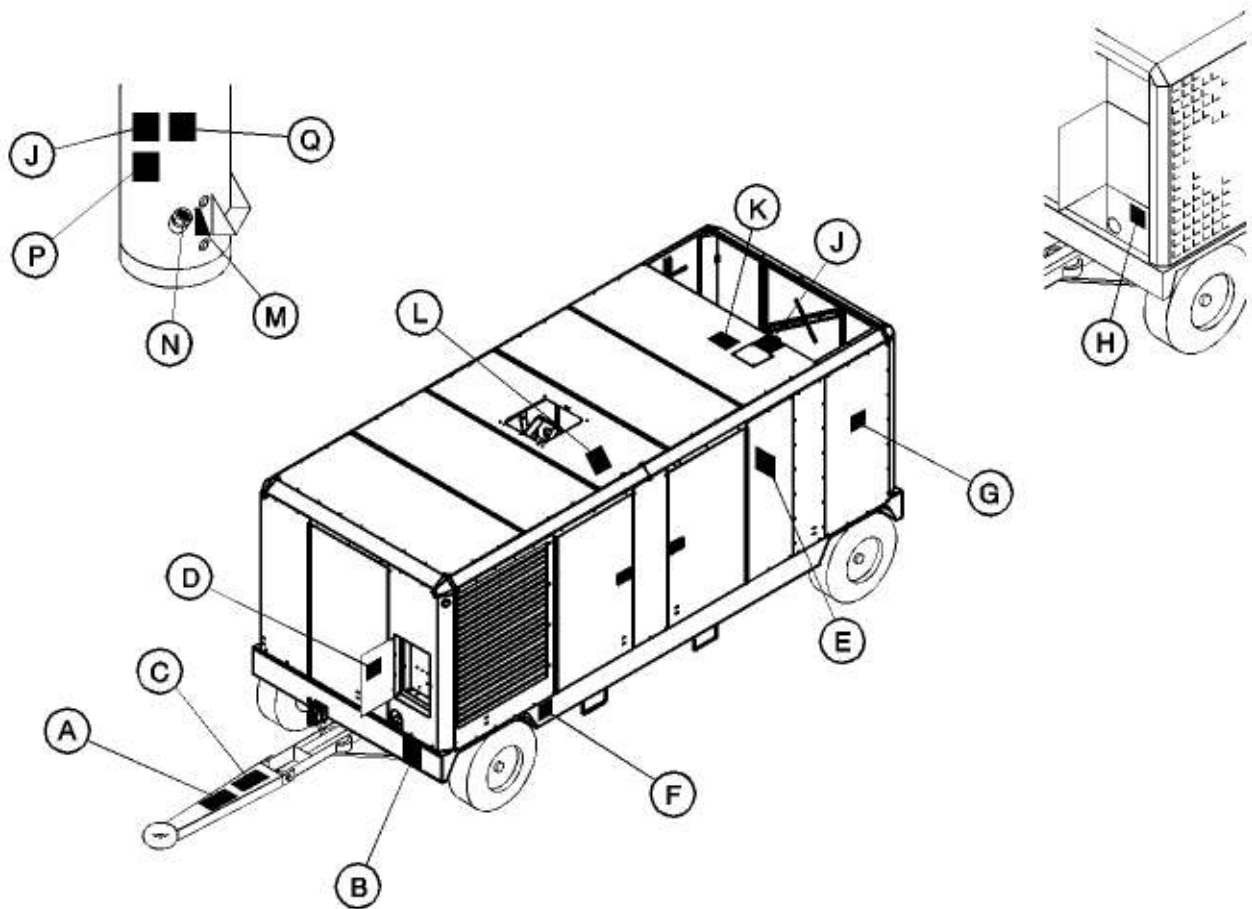
Wagon Wheel Acoustics



22742951_055_06/04_A

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	

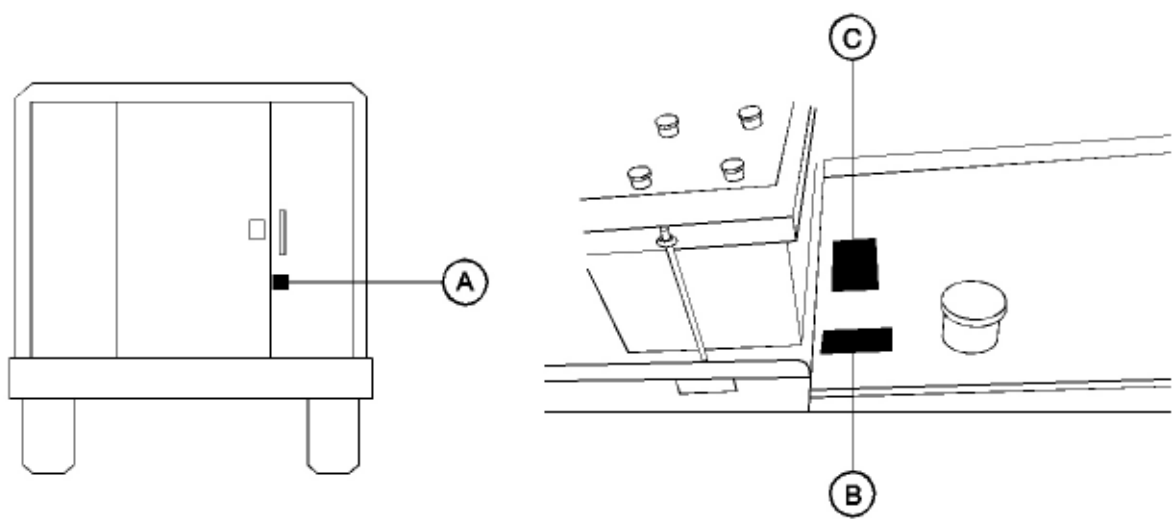
Decal Location



22742951_056_06/04_A

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	

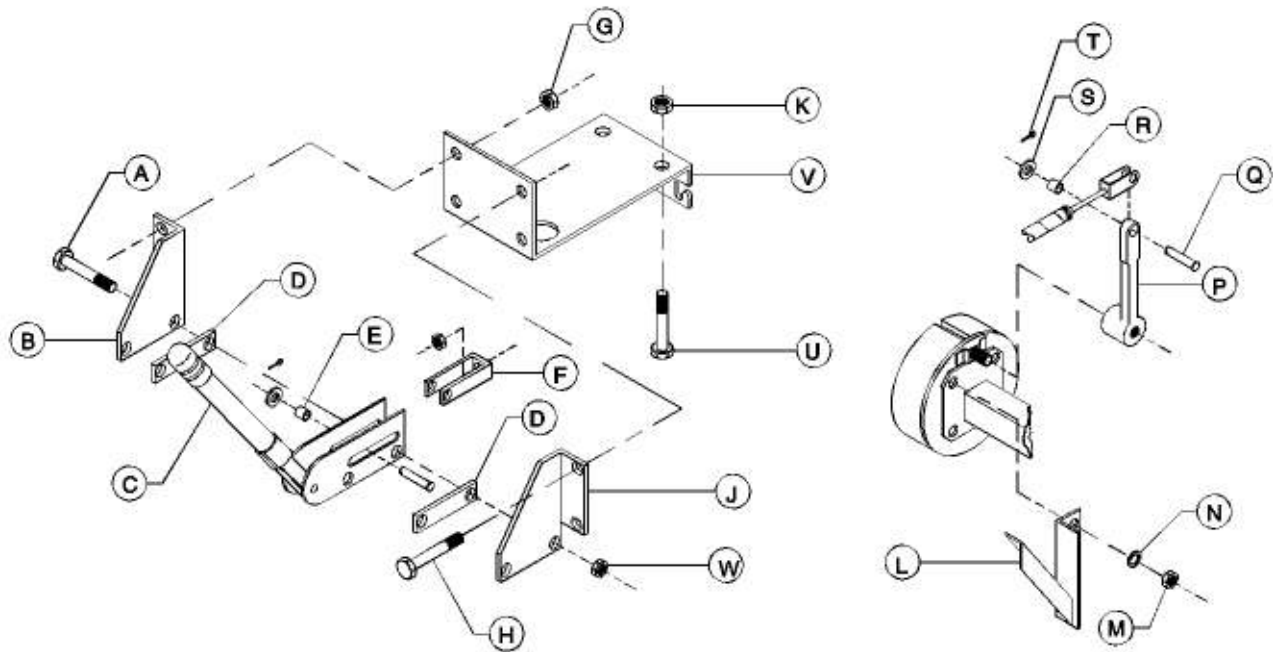
Decal Location



22742951_057_06/04_A

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	

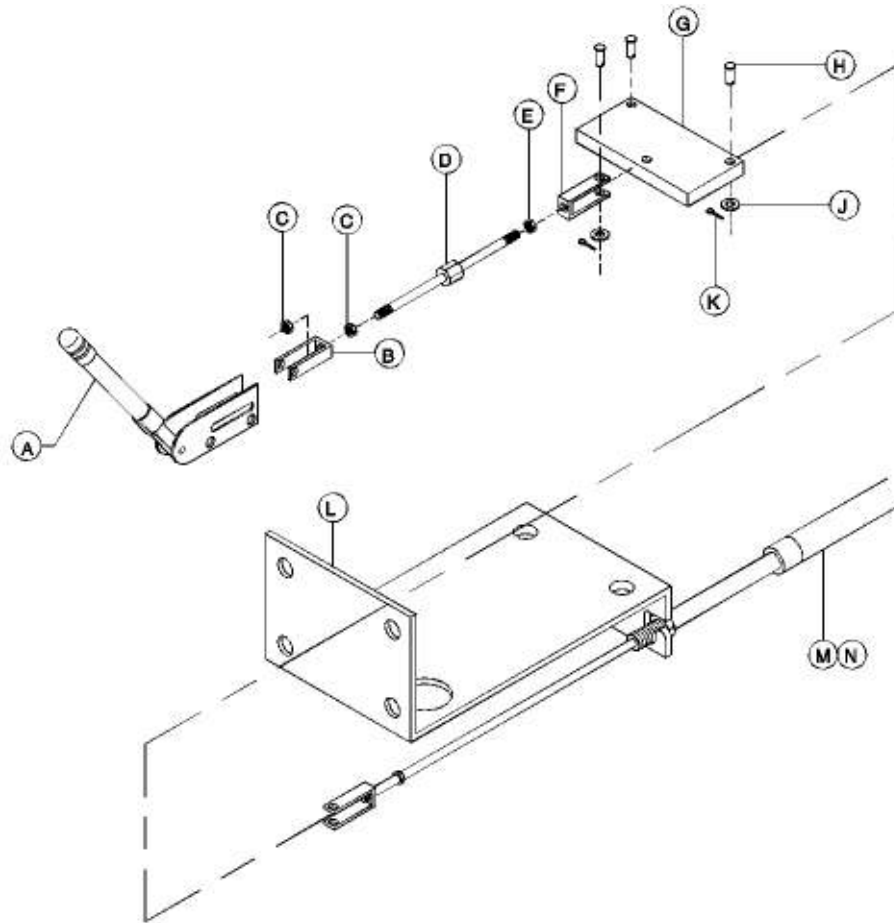
Wagon Wheel Parking Brake Assembly (Option)



22742951_058_06/04_A

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	-----	Spacer, (Furnished with Lever)	2	
F	35603208	Clevis, Brake Lever	1	
G	36879203	Nut	4	
H	36877793	Screw	4	
J	36847440	Bracket, LH Lever	1	
K	36879195	Nut	2	
L	36786887	Bracket, LH Cable Latch	1	
	36786895	Bracket, RH Cable Latch	1	
M	95916573	Nut	8	
N	95934741	Washer	8	
P	36782035	Arm, Brake	2	
Q	36783785	Pin, Clevis	2	
R	36786697	Bushing	2	
S	95935037	Washer	2	
T	95928867	Pin, Cotter	2	
U	36880995	Screw	2	
V	36783306	Bracket, Front Cable Latch	1	
W	35145077	Nut	2	

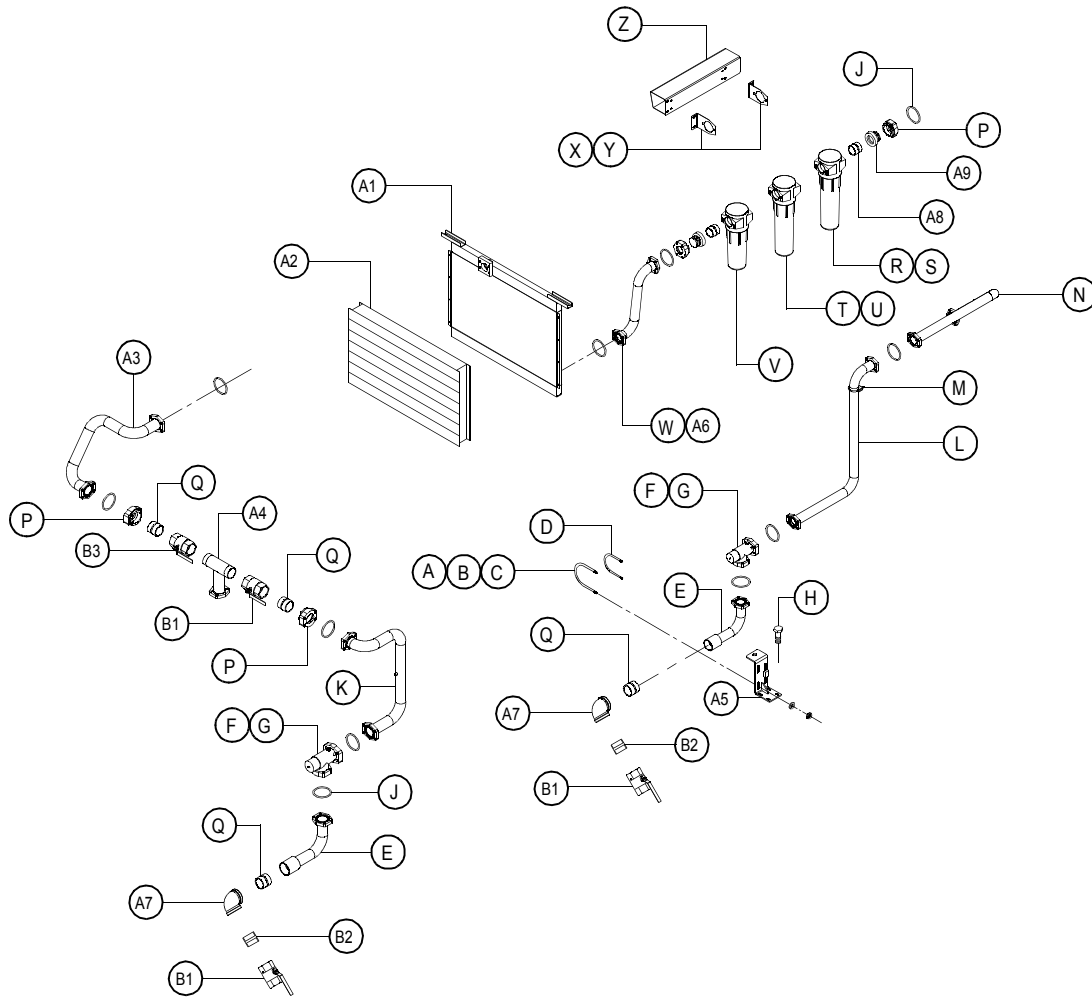
Wagon Wheel Parking Brake Assembly (Option)



22742951_059_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36782878	Lever, Brake	1	
B	35603208	Clevis, Brake Lever	1	
C	95935086	Nut	2	
D	35603182	Rod, Link	1	
E	35118728	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, LH Brake	1	
N	22064000	Cable, RH Brake	1	

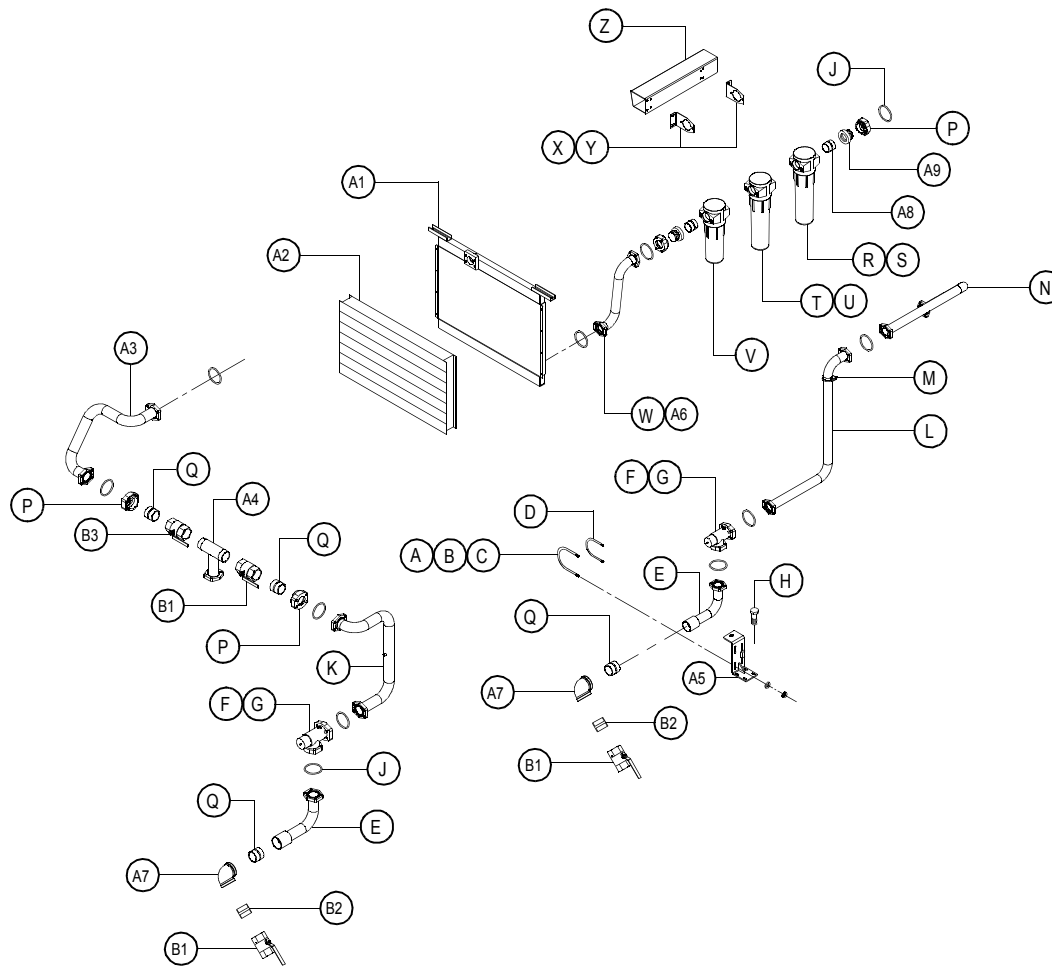
IQ Air Piping (Option)



22742951_060_06/04_A

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	95927273	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,Outlet (No PED with IQ)	1	
	22205207	Pipe,Outlet (PED with IQ)	1	
M	35113646	Clamp	1	Continued.....
N	54734983	Pipe, Filter (No PED with IQ)	1	
	22205199	Pipe, Filter (PED with IQ)	1	

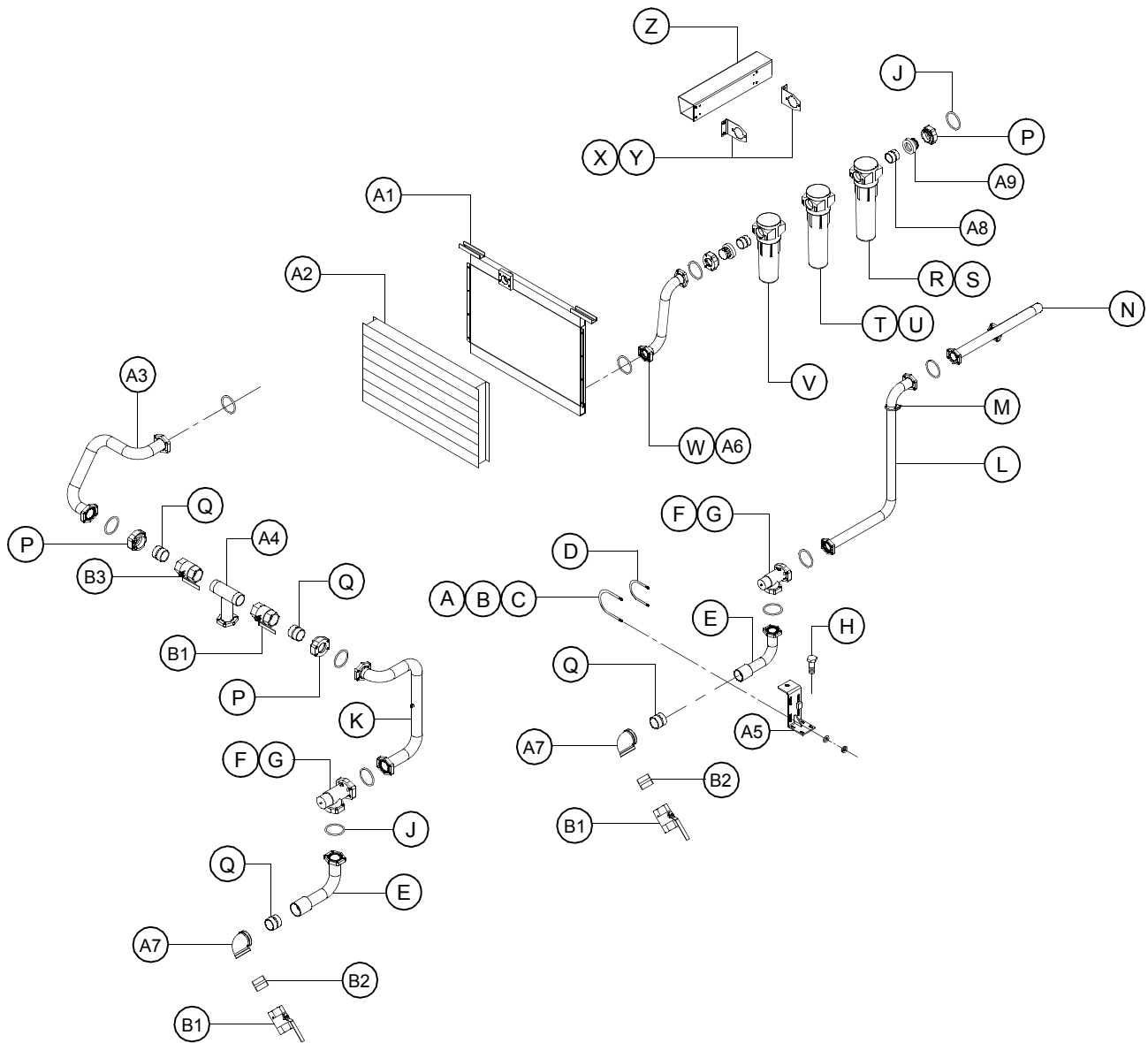
IQ Air Piping (Option)



22742951_060_06/04_A

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	

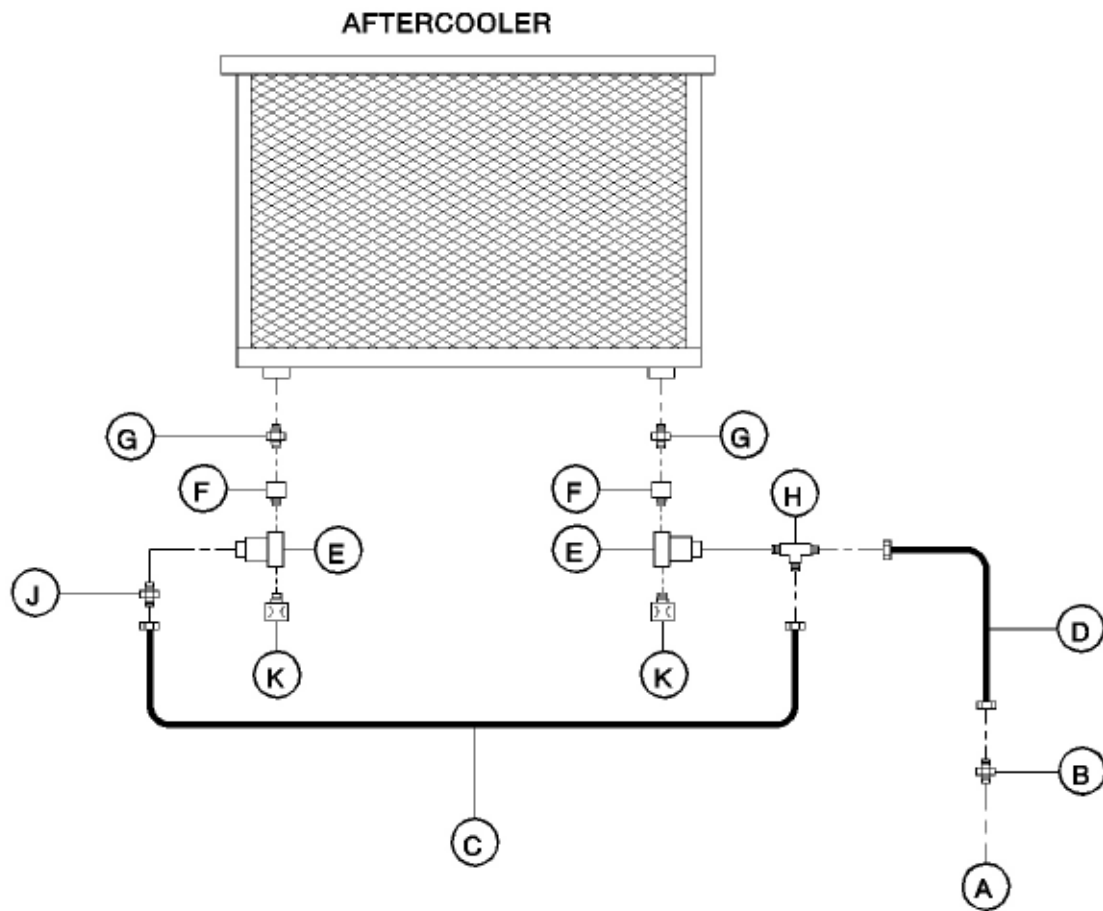
IQ Air Piping (Option)



22742951_060_06/04_A

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	

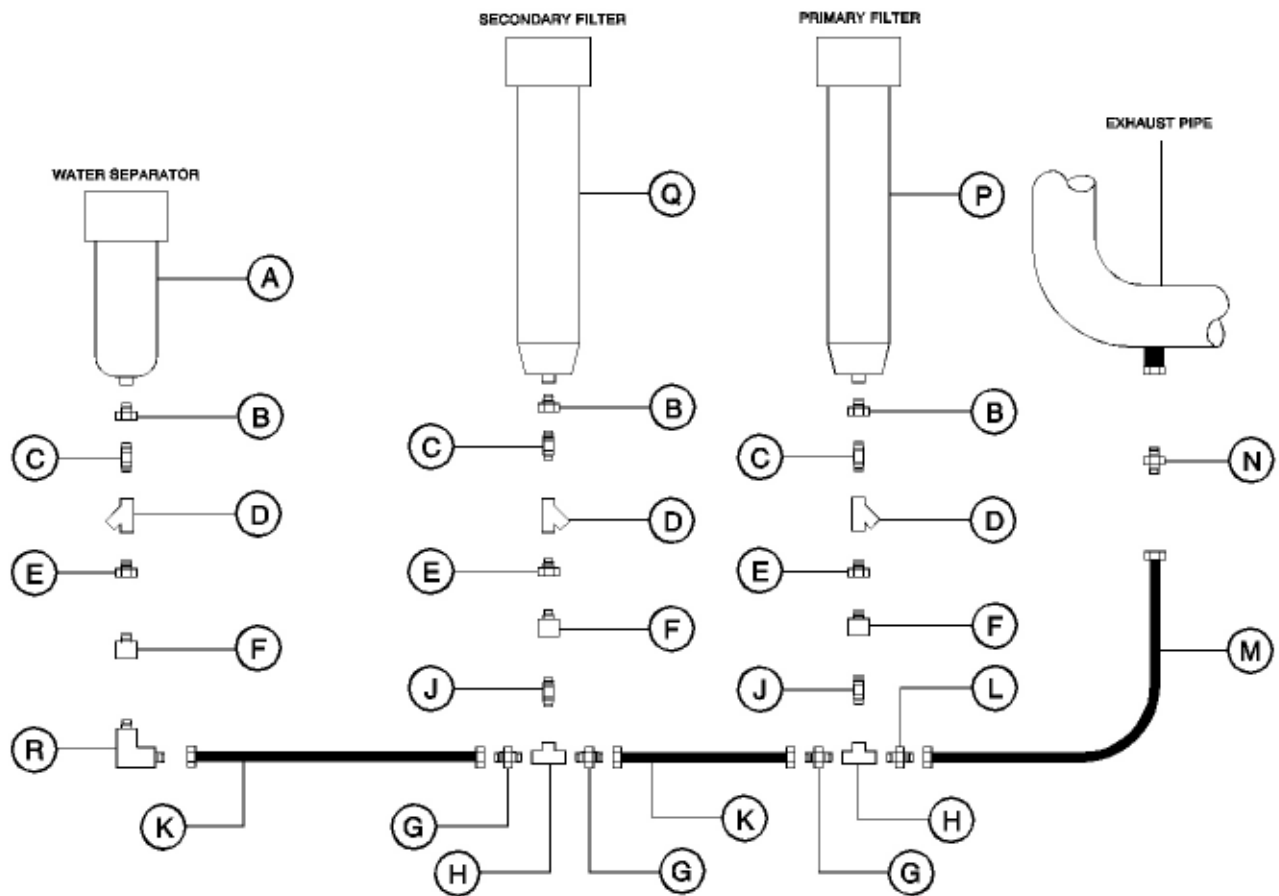
IQ Cooler Piping (Option)



22742951_062_06/04_A

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	
	36898922	Probe, Temperature	1	

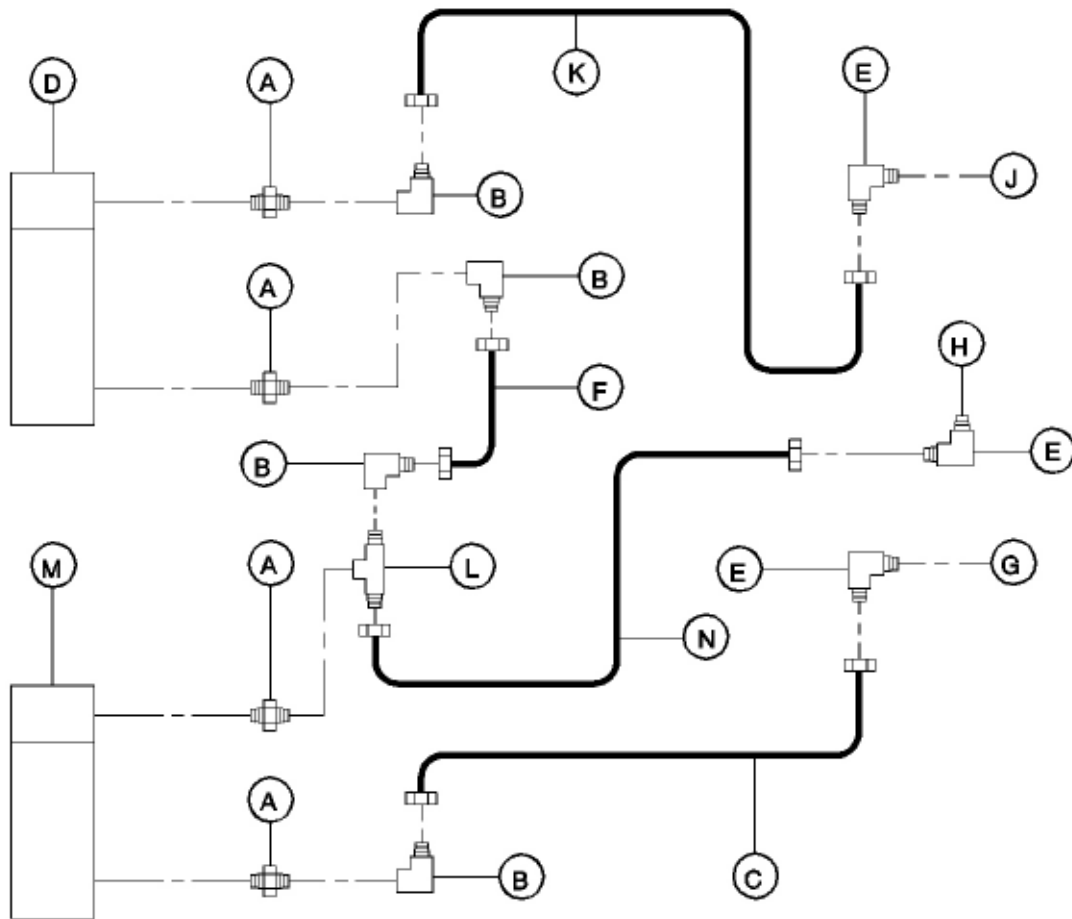
IQ Filter Piping (Option)



22742951_063_06/04_A

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	

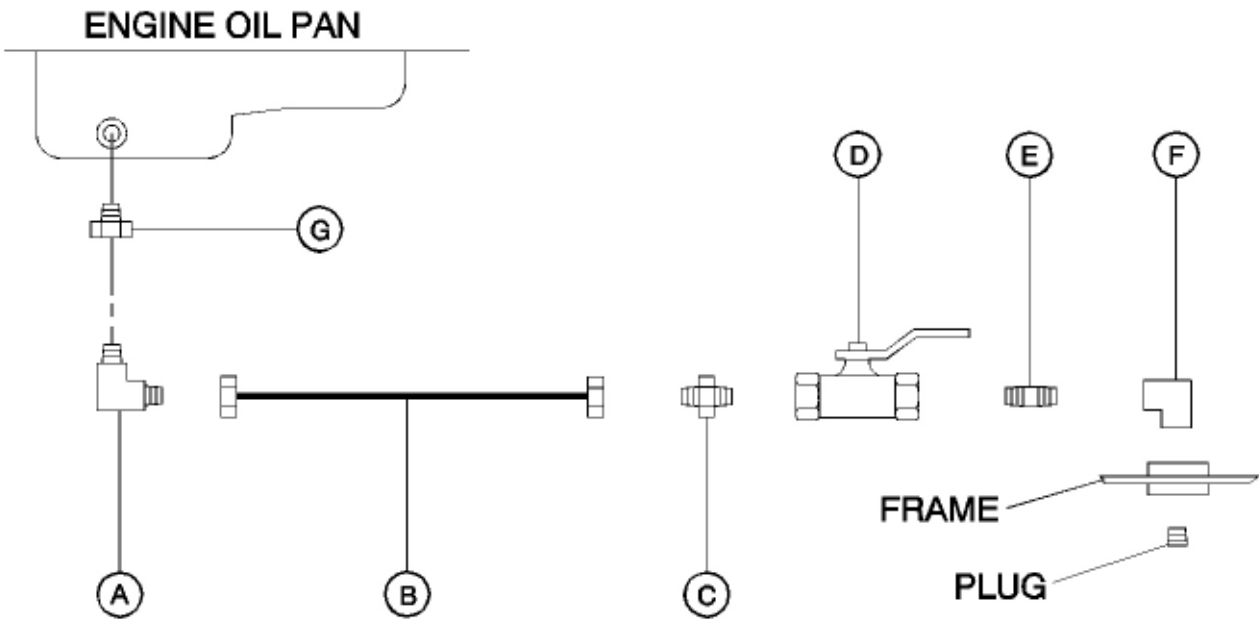
IQ Indicator Piping (Option)



22742951_064_06/04_A

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	

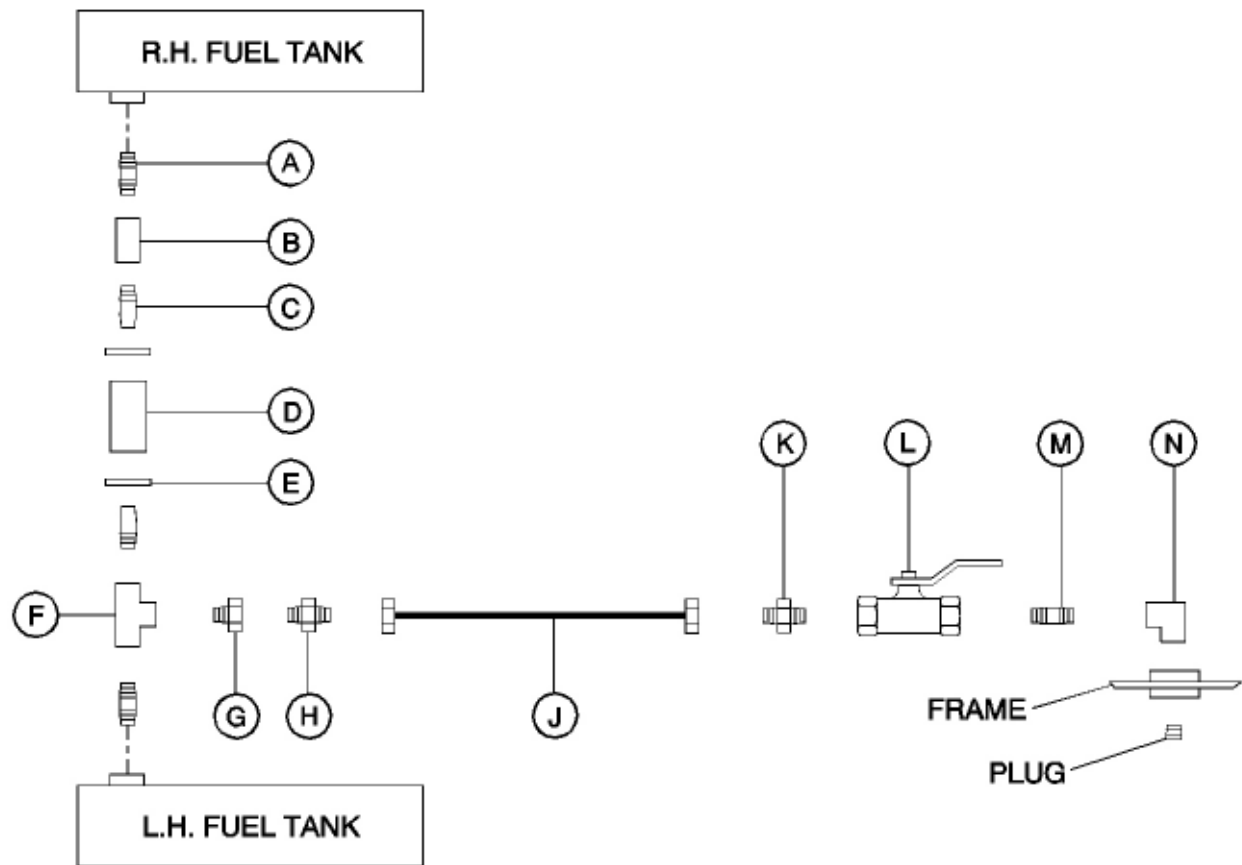
Engine Oil Drain Piping (Option)



22742951_065_06/04_A

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	95647939	Nipple	1	
F	95928172	Elbow	1	
G	95944617	Bushing	1	

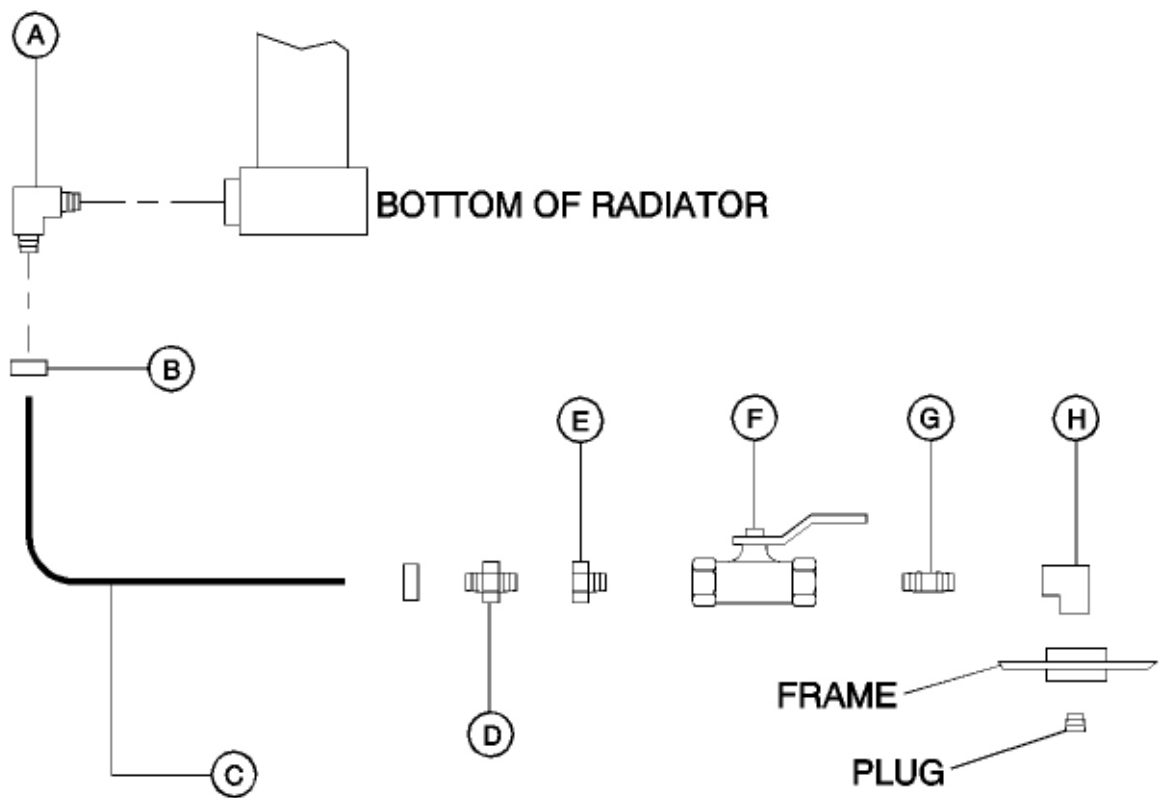
Fuel Tank Drain Piping (Option)



22742951_066_06/04_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95953535	Nipple	2	
B	95937454	Connector	1	
C	54762190	Fitting, Hose	2	
D	54762182	Hose (19 Inches)	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	95647939	Nipple	1	
N	95928172	Elbow	1	

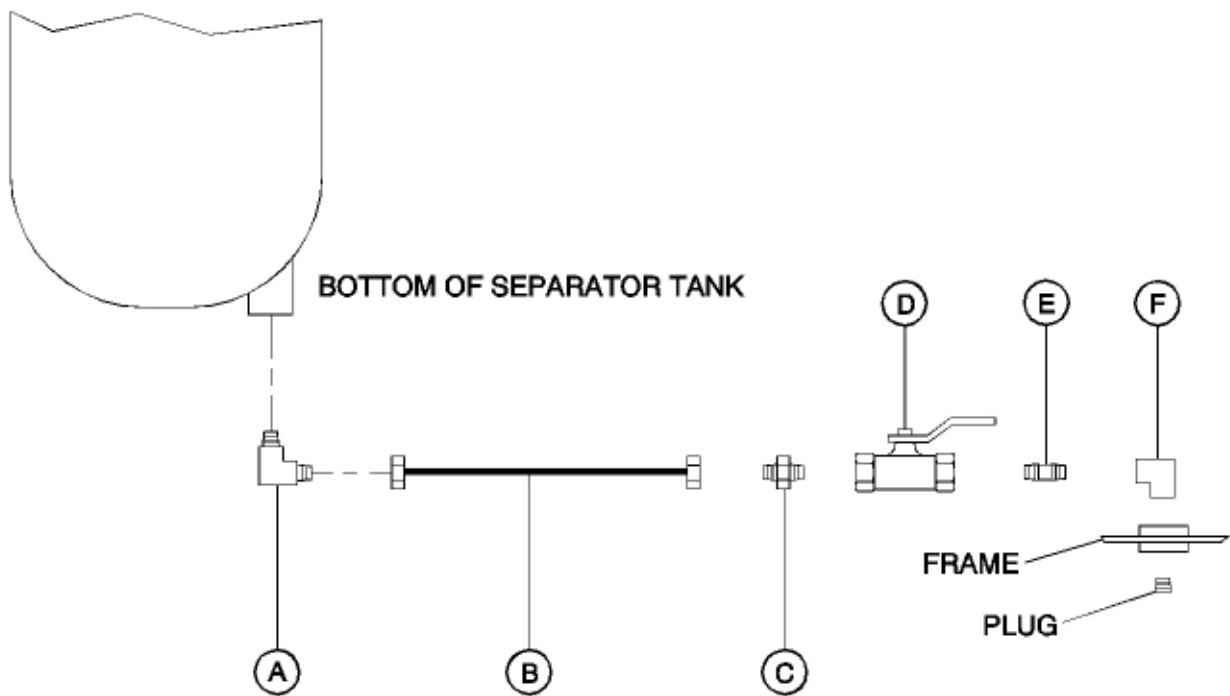
Radiator Drain Piping (Option)



22742951_067_06/04_A

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	95647939	Nipple	1	
H	95928172	Elbow	1	

Separator Tank Drain Piping (Option)



22742951_068_06/04_A

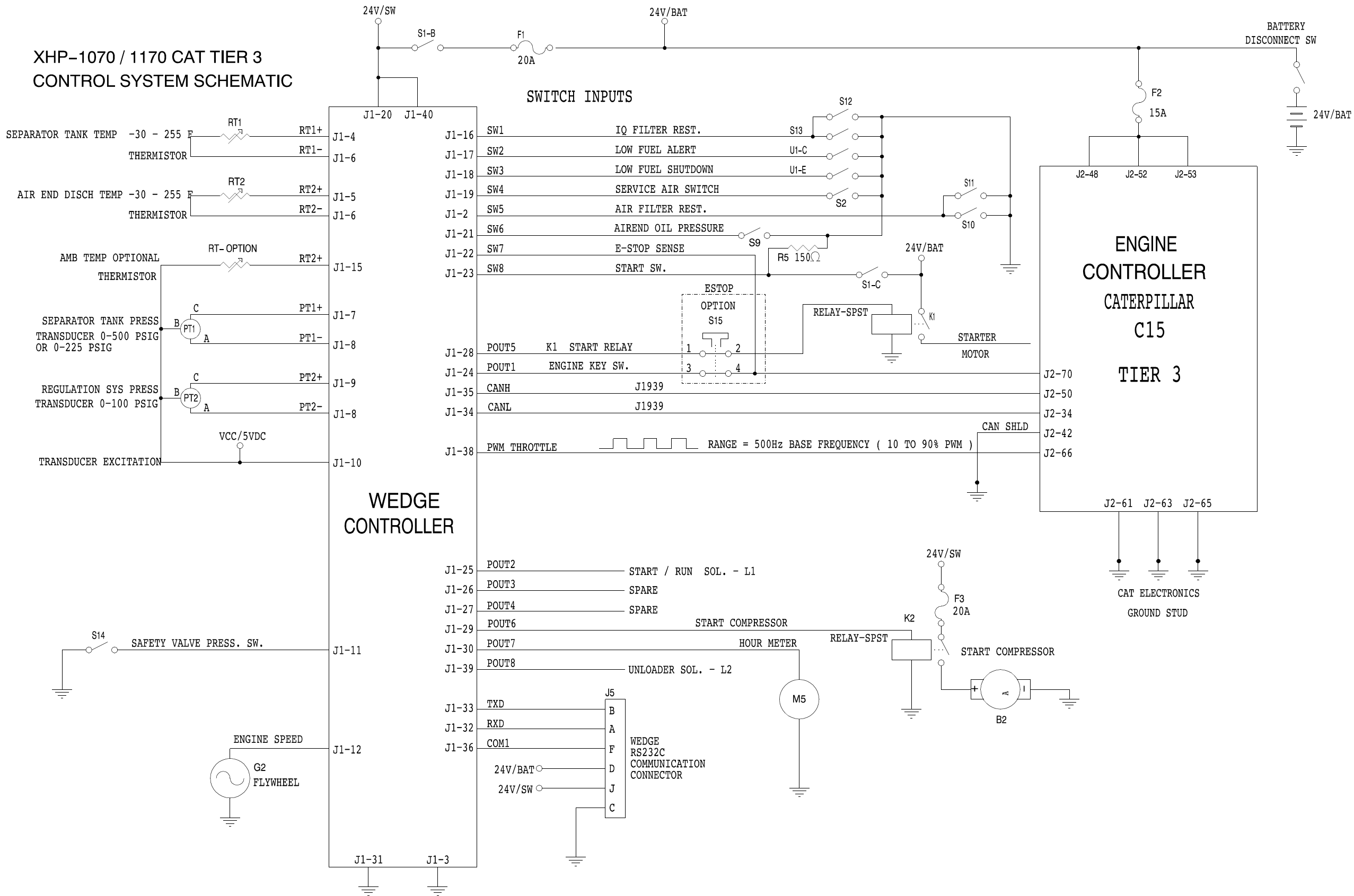
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35294750	Elbow	1	
B	36878254	Hose Assembly	1	
C	95219747	Connector	1	
D	35576115	Valve, Ball	1	
E	95647939	Nipple	1	
F	95928172	Elbow	1	



Section C - WIRING SCHEMATICS

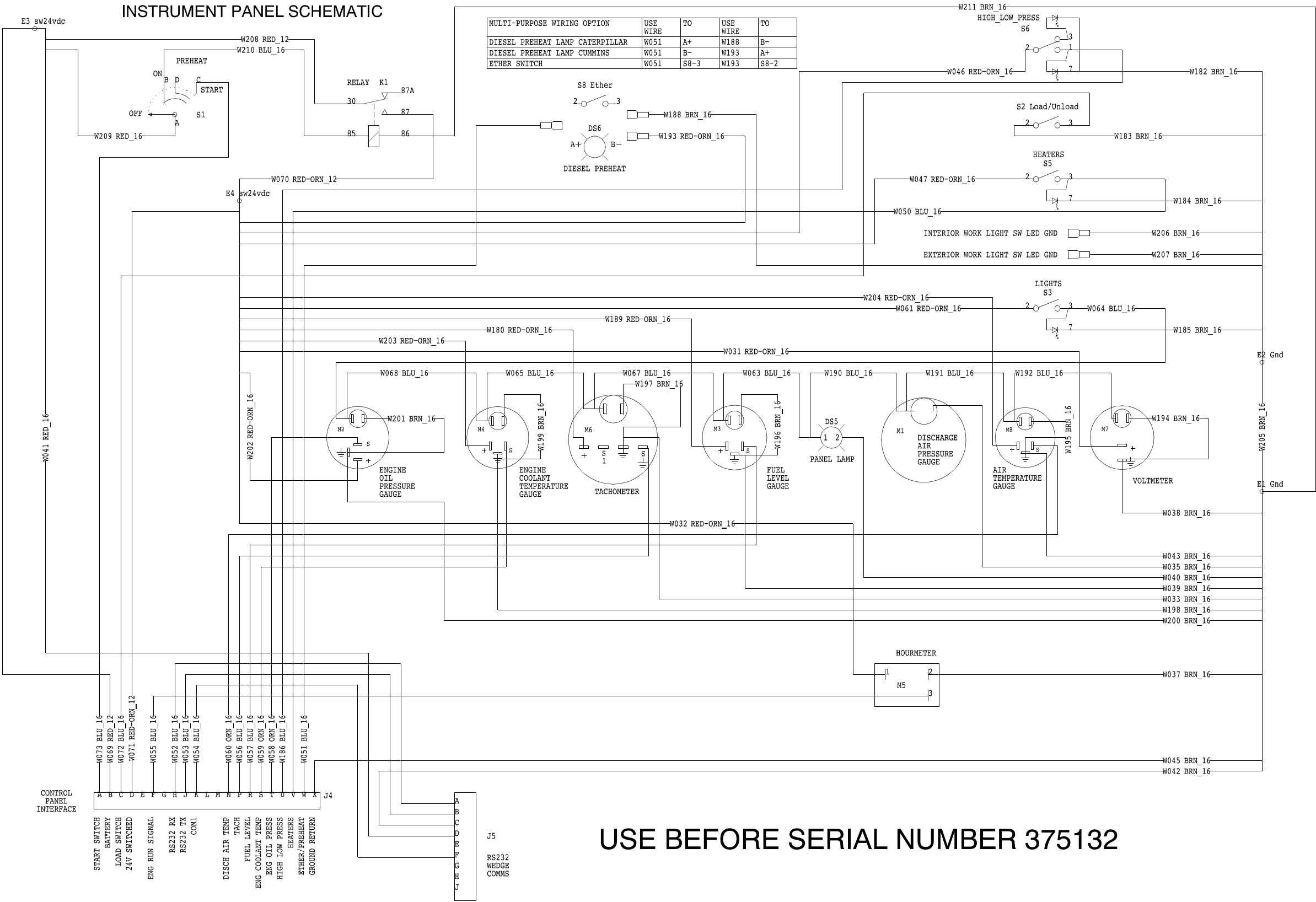
Control System Wiring Diagram

XHP-1070 / 1170 CAT TIER 3
CONTROL SYSTEM SCHEMATIC



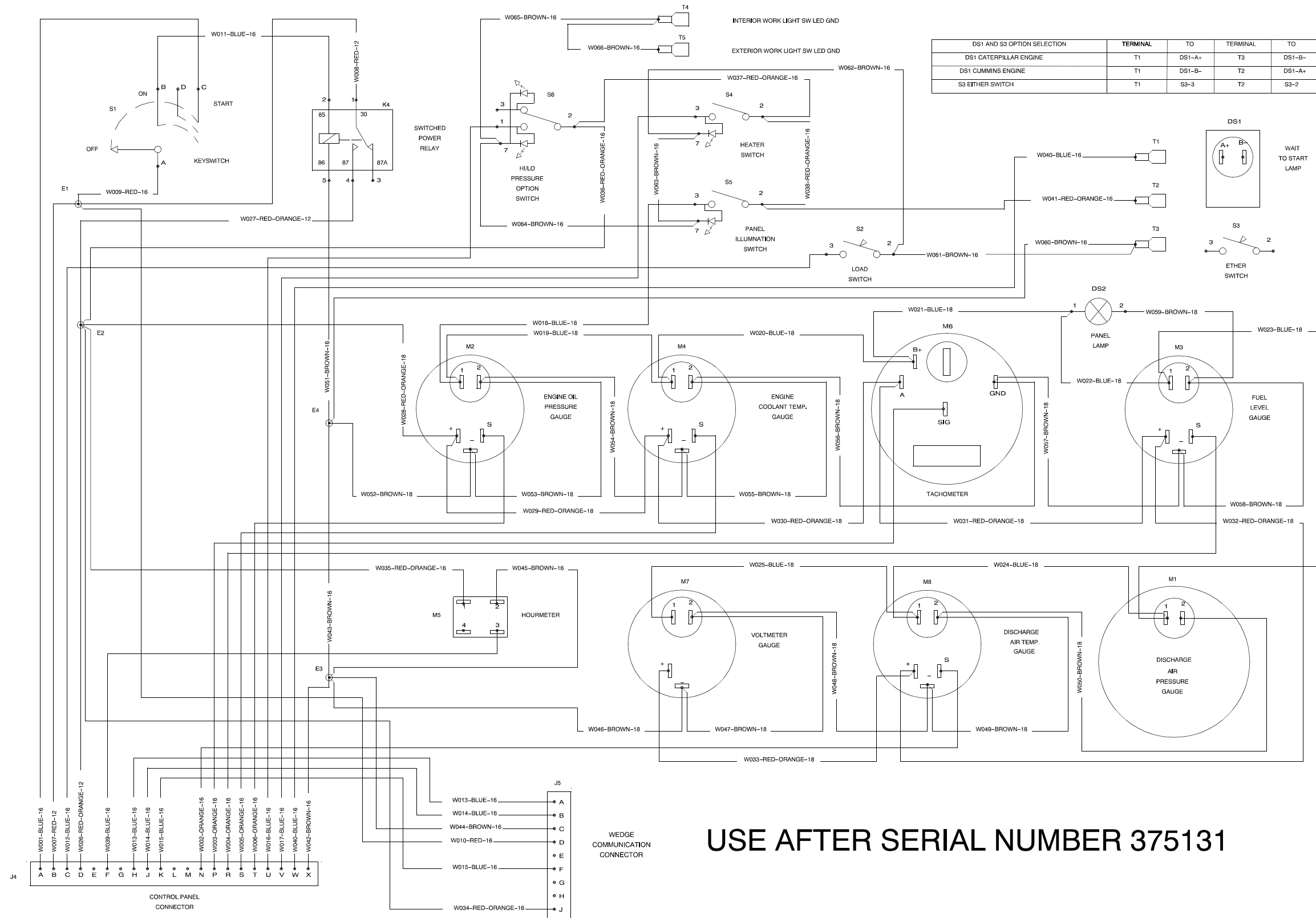
22742951_071_06/04_A

Instrument Panel Wiring Diagram Prior to S/N 375132



USE BEFORE SERIAL NUMBER 375132

Instrument Panel Wiring Diagram After S/N 375132

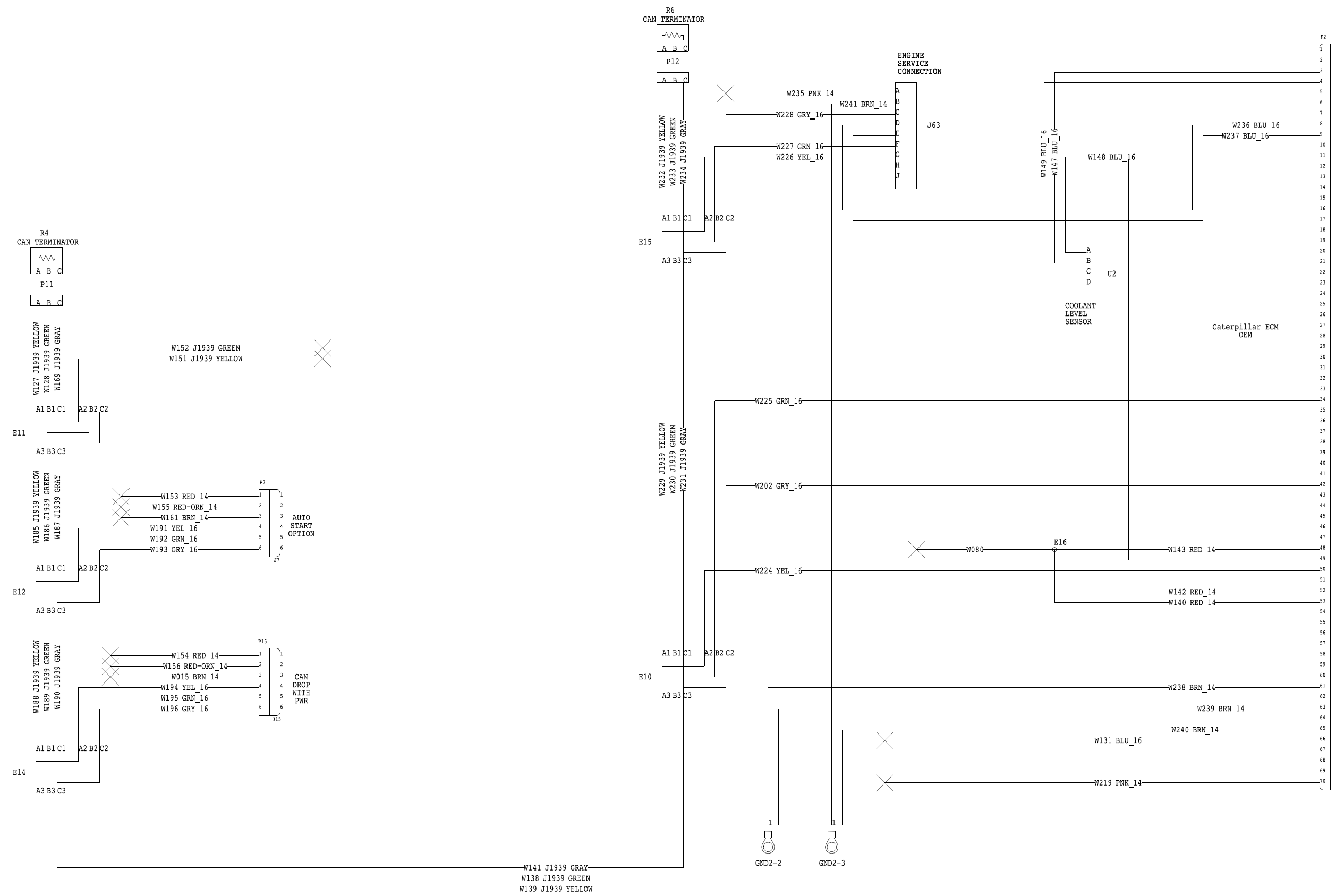


USE AFTER SERIAL NUMBER 375131

22742951_073_06/04_A

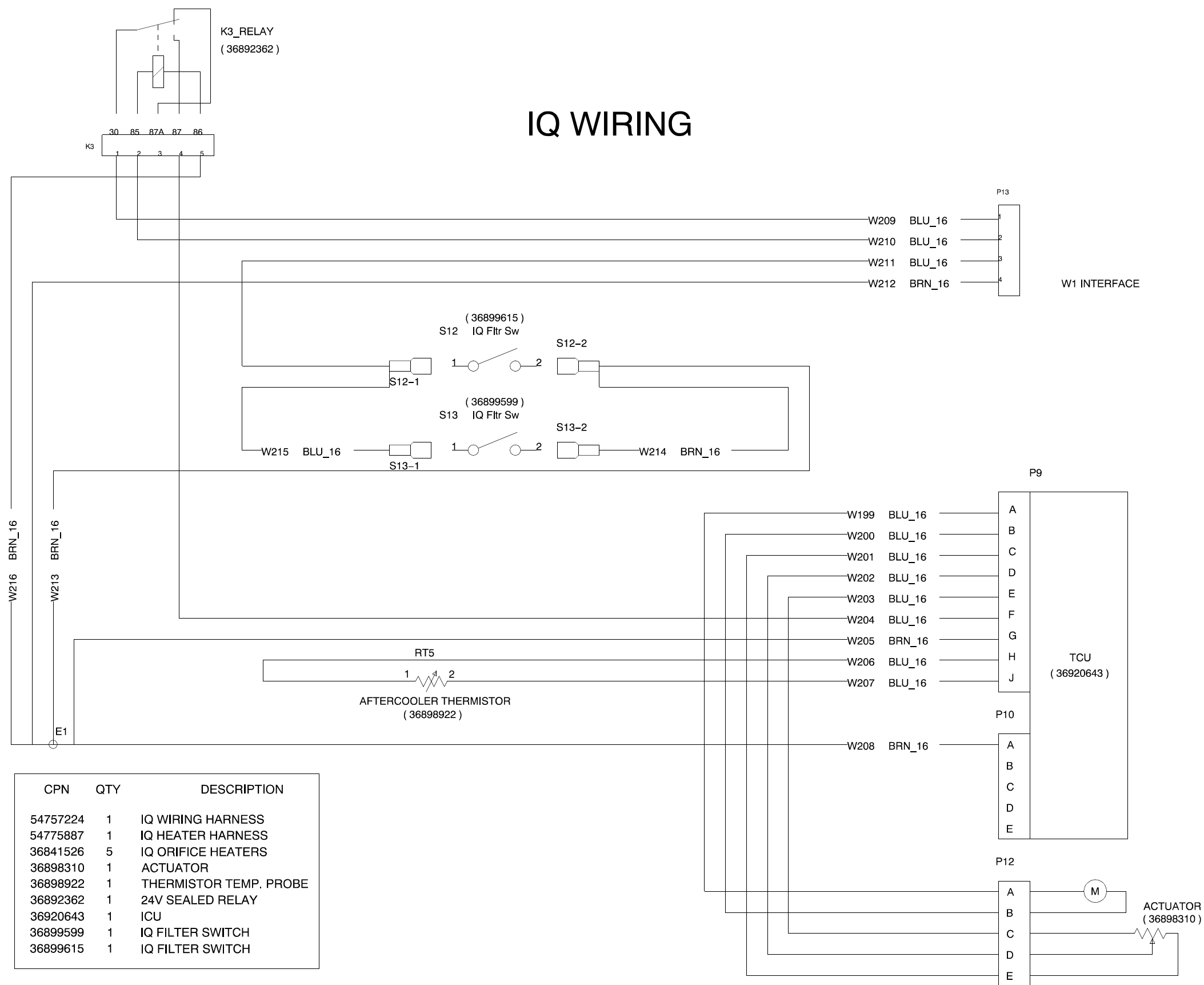


Can Buss Wiring Diagram



22742951_074_06/04_A

IQ Wiring Diagram



WIRING PARTS LIST

ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION
		CHASSIS HARNESS						
B2	36850691	Startup Compressor	U1	54672803	Sender, Fuel (Wagon)			
D1-D4	35376169	Diode		54672811	Sender, Fuel (High Speed)			
F1,F3	36792083	20 Amp Fuse	U2	54474572	Switch, Water Level			
F2	89303184	15 Amp Fuse	W1	22661854	Chassis Harness			
G2	36870665	Mag Speed Sensor		22173579	Wedge Controller			
K1	35577873	Auxiliary Start Relay		22108690	Control Panel Harness			
K2	36892362	Relay, 24VDC SPDT		22817829	Control Panel Harness			
K3	36892362	Relay, 24VDC SPDT		36896975	Battery Disconnect Switch			
L1	36842300	Start / Run Solenoid Valve		22319735	Negative Battery Cable			
L2	36842318	Unloader Solenoid Valve		54765375	Positive Battery Cable			
M1	36840767	Gage, 200 psi Pressure (Before S/N 375132)		23268105	Positive Jumper Cable			
	36841468	Gage, 600 psi Pressure (After S/N 375131)		35128982	Battery Jumper			
M2	22277057	Gage, 150 psi Pressure (Before S/N 375132)						
	22692628	Gage, 150 psi Pressure (After S/N 375131)						
M3	22050991	Gage, Fuel Level (Before S/N 375132)			IQ OPTION PARTS			
	22692602	Gage, Fuel Level (After S/N 375131)	K3	36892362	Relay, IQ			
M4	22327266	Gage, Temperature (Eng. Coolant) (Before S/N 375132)	S12	36899615	Indicator, 25 psi Pressure			
	22692610	Gage, Temperature (Eng. Coolant) (After S/N 375131)	S13	36899599	Indicator, 20 psi Pressure			
M5	54766704	Hourmeter	RT5	36898922	Sensor, Temperature			
M6	22055883	Tachometer		54757224	IQ Wiring Harness			
M7	22399349	Voltmeter (Before S/N 375132)		54775887	IQ Heater Harness			
	22692594	Voltmeter (After S/N 375131)		36841526	IQ Orifice Heaters			
M8	22327266	Gage, Temperature (Air Discharge) (Before S/N 375132)		36898310	IQ Actuator			
	22692610	Gage, Temperature (Air Discharge) (After S/N 375131)						
PT1	54765946	0-500 psi Pressure Transducer						
PT2	36920825	0-100 psi Pressure Transducer						
R1	36864677	Regulator Heater						
R3	36841526	Control Orifice Heater						
R4	-----	Terminator, CAN						
R6	-----	Resistor, 150 ohm						
RP1	36870608	Engine Oil Press Sender						
RT1,RT2,RT5	36898922	Thermistor Temperature Sensor						
RT3, RT4	36841138	Temperature Sender						
S1	22127385	Switch, Start						
S2	22054076	Switch, Load						
S3	22053896	Switch, Light						
S5	22054050	Switch, Heater						
S6	22054084	Switch, Hi / Lo						
S8	22054068	Switch, Ether						
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						

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36795136	B-20	36861557	B-22	36880326	B-8		B-5
36795144	B-20	36861839	B-22	36880334	B-8		B-6
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36795169	B-20	36863363	B-53	36880995	B-17	54501846	B-26
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Revision History

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