



PARTS MANUAL

COMPRESSOR MODEL

HP-1300-W-CU

HP-1300-W-CU

HP-1600-W-CU

HP-1600-W-CU

CODE: D

CODE: E



This manual contains important safety information.

Do not destroy this manual.

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

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Utility Equipment
P.O. Box 868 - 501 Sanford Ave
Mocksville, N.C. 27028
www.irutilityequipment.com

Book 22523831 Revision A (02/06)

Revised (09-12)

TABLE OF CONTENTS

Parts Book

TITLE	PAGE
Parts Ordering	
General	4
Description	4
Fasteners	4
How to Order	4
 Parts List	
Fast Track Frame Assembly	6
Wagon Wheel Frame Assembly	7
High Speed Running Gear	8
High Speed Running Gear	9
High Speed Running Gear	10
Fast Track Wiring	11
Fast Track Wiring	11
Wagon Wheel Running Gear	13
Wagon Wheel Running Gear	14
Wagon Wheel Running Gear	15
Wagon Wheel Running Gear	16
LRG Pedestal Mount on Wagon Wheel Frame Assembly	17
LRG Shock Mount on Wagon Wheel Frame Assembly	18
Engine Assembly	19
Engine Assembly	20
Exhaust Assembly	21
285 Air End Complete	22
285 Air End Complete	23
285 Air End Complete	24
285 Air End Complete	25
285 Air End Complete	26
285 Air End Complete	27
Unloader Assembly	28
Unloader Assembly	29
Starting Aid Assembly	30
Radiator and Oil Cooler	31
Radiator Piping	32
High Speed Running Gear Fuel Tank Vent Piping	33
Wagon Wheel Running Gear Fuel Tank Vent Piping	34
High Speed Running Gear Fuel Piping	35
Wagon Wheel Running Gear Fuel Piping	36
High Speed Running Gear Remote Fill Fuel Piping	37
High Speed Running Gear Remote Fill Fuel Piping	38
Wagonwheel Running Gear Remote Fill Fuel Piping	39
Wagonwheel Running Gear Remote Fill Fuel Piping	40
Air Intake & Filters	41
Separator Tank Assembly	42
Separator Tank Assembly	43
285 Oil Piping	44
Air Piping	46
Air Piping	47

TABLE OF CONTENTS

Parts Book

TITLE	PAGE
Air Piping	48
Air Piping	49
Minimum Pressure Check Valve Assembly	50
Oil Temperature By-Pass Valve Assembly	51
Instrument Panel Assembly	52
Instrument Panel Assembly	53
Instrument Panel Assembly	54
Battery & Mounting	55
Common Enclosure Assembly	56
Top Enclosure Assembly	57
Top Enclosure Assembly	58
Fast Track Enclosure	59
Wagon Wheel Enclosure	60
Common Foam	61
High Speed Running Gear Foam	62
Wagon Wheel Foam	63
Wiring Parts Lists	64
AC Heater Kit	65
Wagon Wheel Parking Brake Assembly	66
Wagon Wheel Parking Brake Assembly	67
Separator Air Piping	68
Charge Air Piping	69
IQ Air Piping	(
Option)	70
IQ Air Piping	(
Option)	71
IQ Air Piping	(
Option)	72
IQ Cooler Piping	(
Option)	73
IQ Filter Piping	74
IQ Indicator Piping	75
Engine Oil Drain Piping	76
Fuel Tank Drain Piping	77
Radiator Drain Piping	78
Separator Tank Drain Piping	79
Decal Location	80
Decal Location	81

Electrical Schematics

Wiring Parts Lists	2
Wiring Parts Lists	3
Control System Wiring Diagram	5
Control System Wiring Diagram	6
Control System Wiring Diagram	7
Control System Wiring Diagram	8
IQ Wiring Diagram	9

Parts Ordering



Parts Ordering

General

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

NOTICE

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

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

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

Description

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

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

Fasteners

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

How to Order

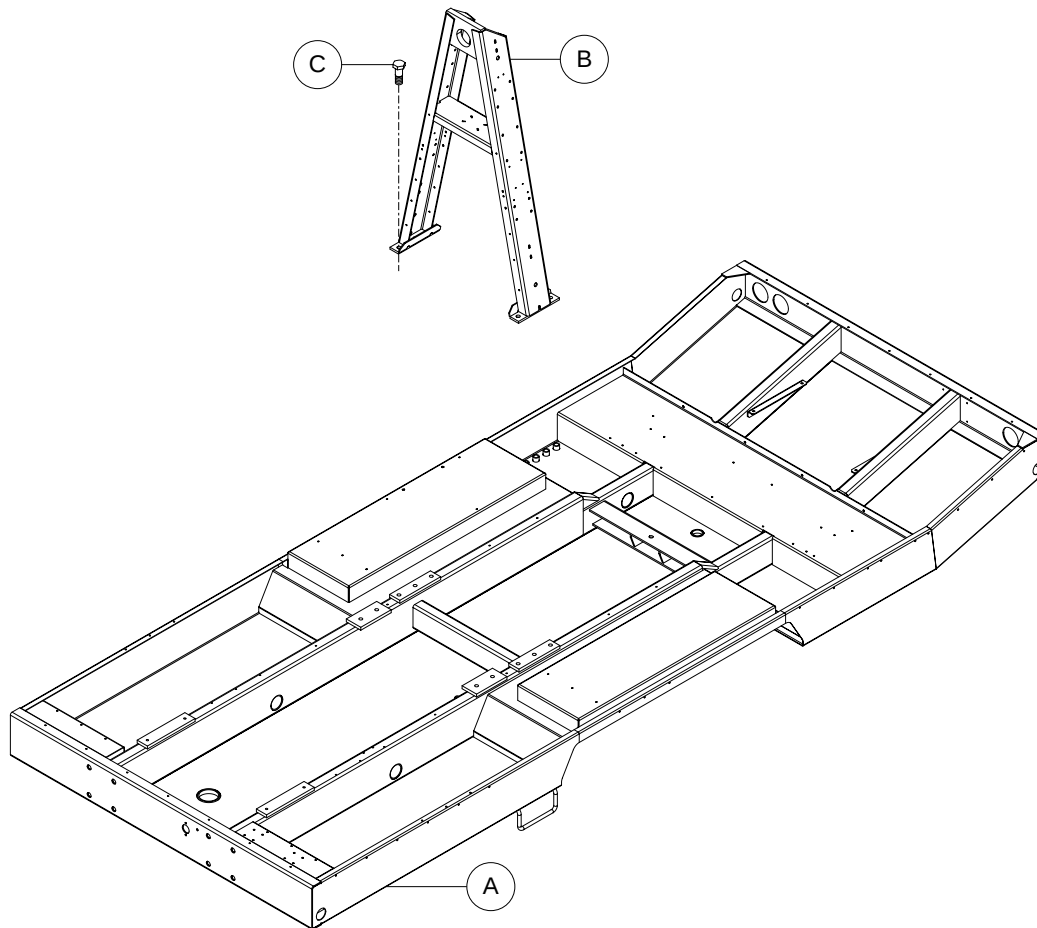
Always specify the model and serial number of the unit.

Specify the part number and description.

Parts List

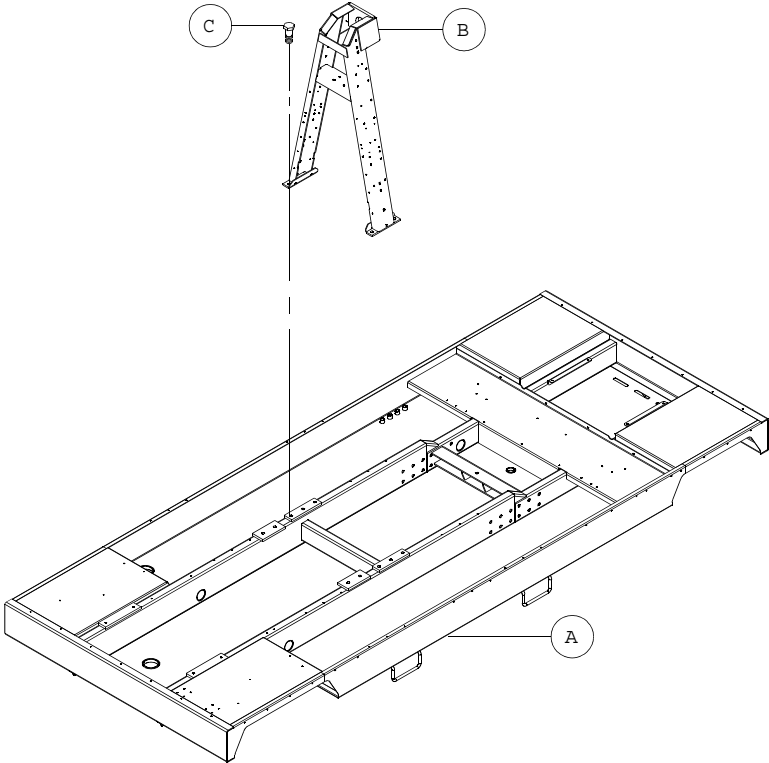


Fast Track Frame Assembly



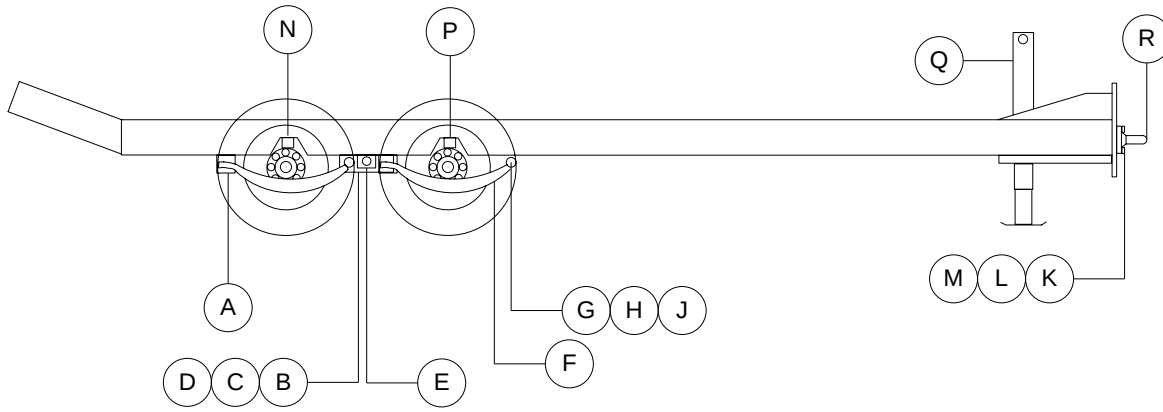
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54760202	Frame Assembly	1	
B	54542543	Bail, Lifting	1	
C	96720610	Screw	4	

Wagon Wheel Frame Assembly



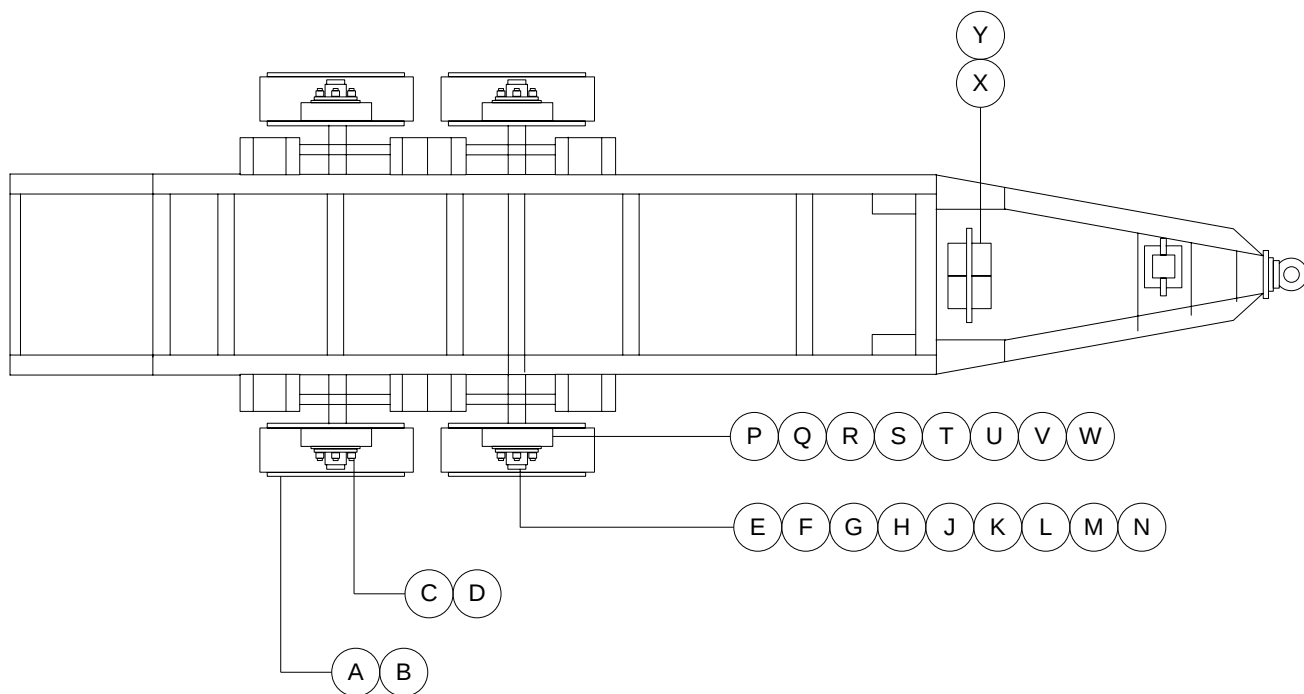
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54501796	Frame Assembly	1	
B	22186845	Bail, Lifting	1	
C	96720610	Screw	4	

High Speed Running Gear



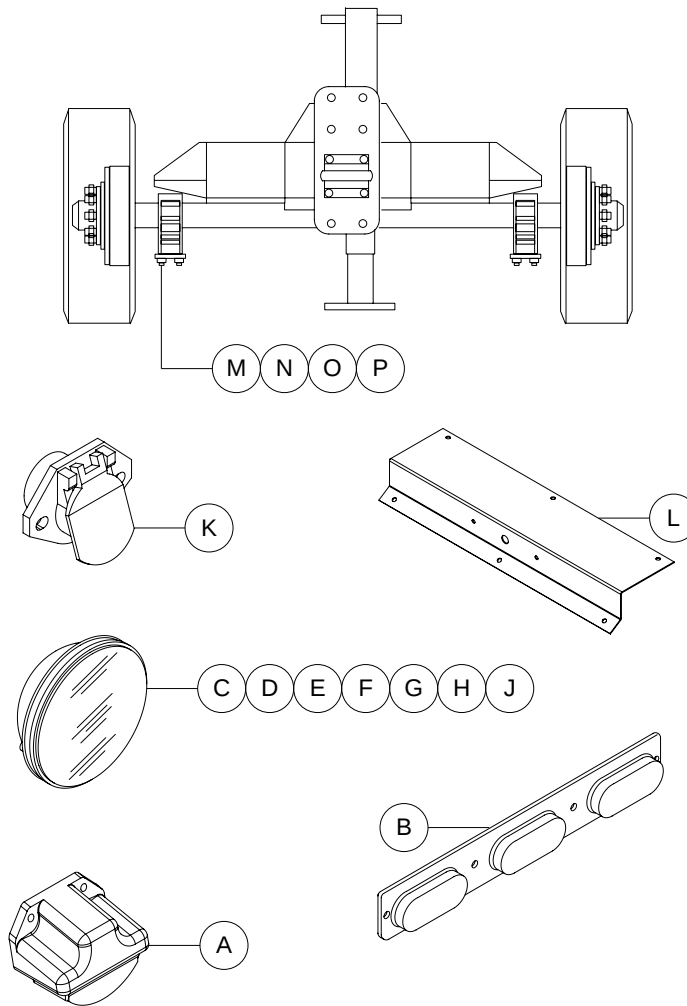
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36880235	Hanger, Rear	2	
B	36880219	Bar, Equalizer	2	
C	36880243	Bolt, Equalizer	2	
D	36880250	Locknut	2	
E	36880193	Hanger, Center	2	
F	36880284	Spring, Leaf	4	
G	36880201	Hanger, Front	2	
H	36880227	Bolt, Shackle	8	
J	35336700	Locknut	8	
K	36880136	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



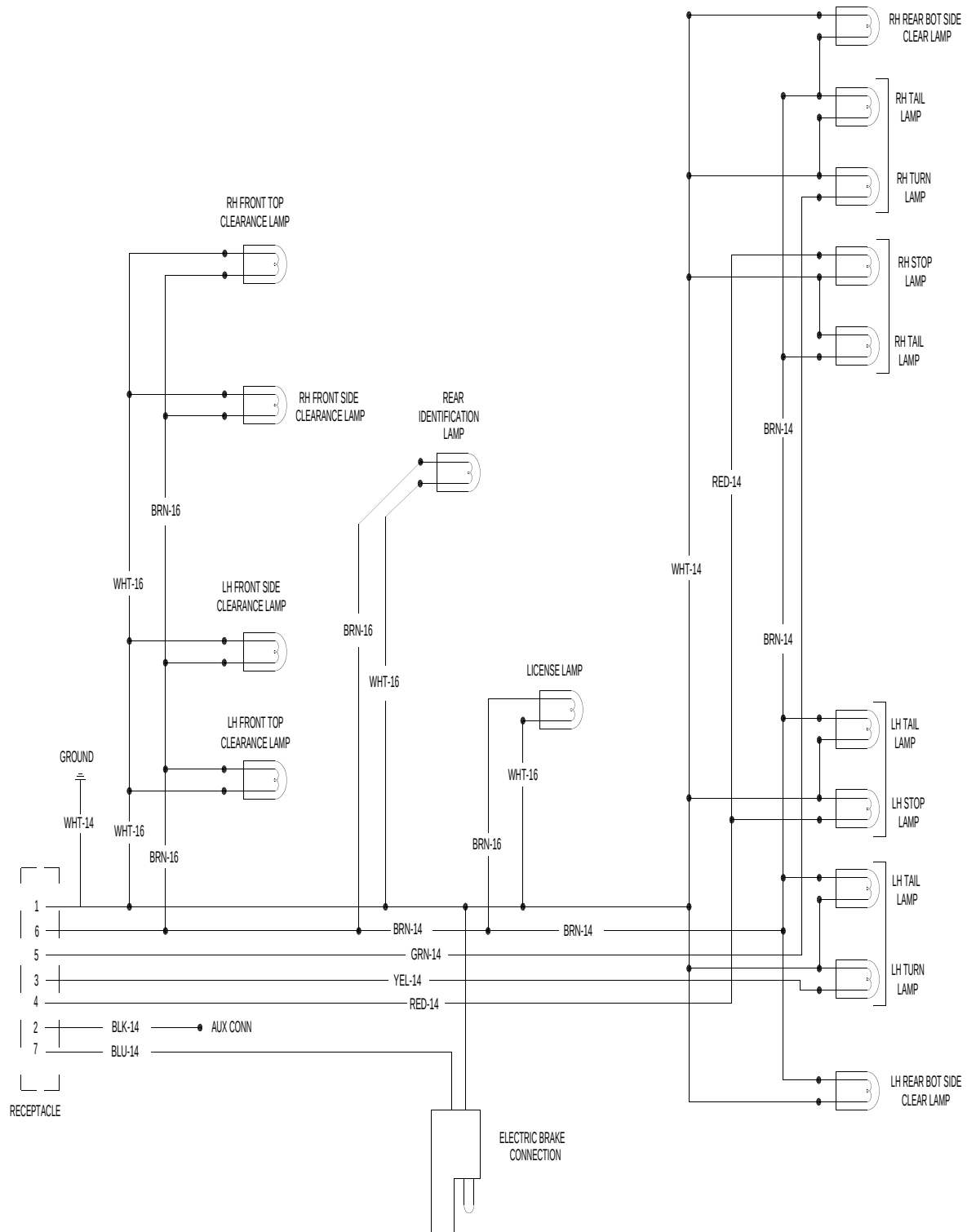
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35272150	Stud	8	
B	36880276	Nut	8	
	36853091	Nut	4	
C	36853109	Washer	2	
D	36853117	Washer, Lock	2	
E	36851624	Inner Bearing Cup	1	
F	36851616	Outer Bearing Cup	1	
G	36851608	Inner Bearing	1	
H	36851590	Outer Bearing	1	
J	36851632	Seal	1	
K	36776813	Cap, 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

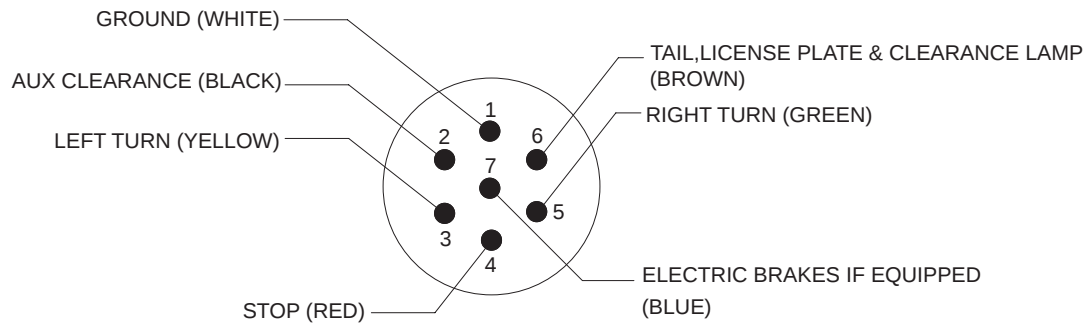


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36895860	Light, License Plate	1	
B	36922144	3 Light Assembly	1	
C	36788081	Stop, Turn and Tail Light	2	
D	36787968	Grommet (Use on Item C & E)	6	
E	36859320	Stop, Turn and Tail Light	4	
F	35367051	Yellow Light	4	
G	36893642	Grommet (Use on Item F)	2	
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



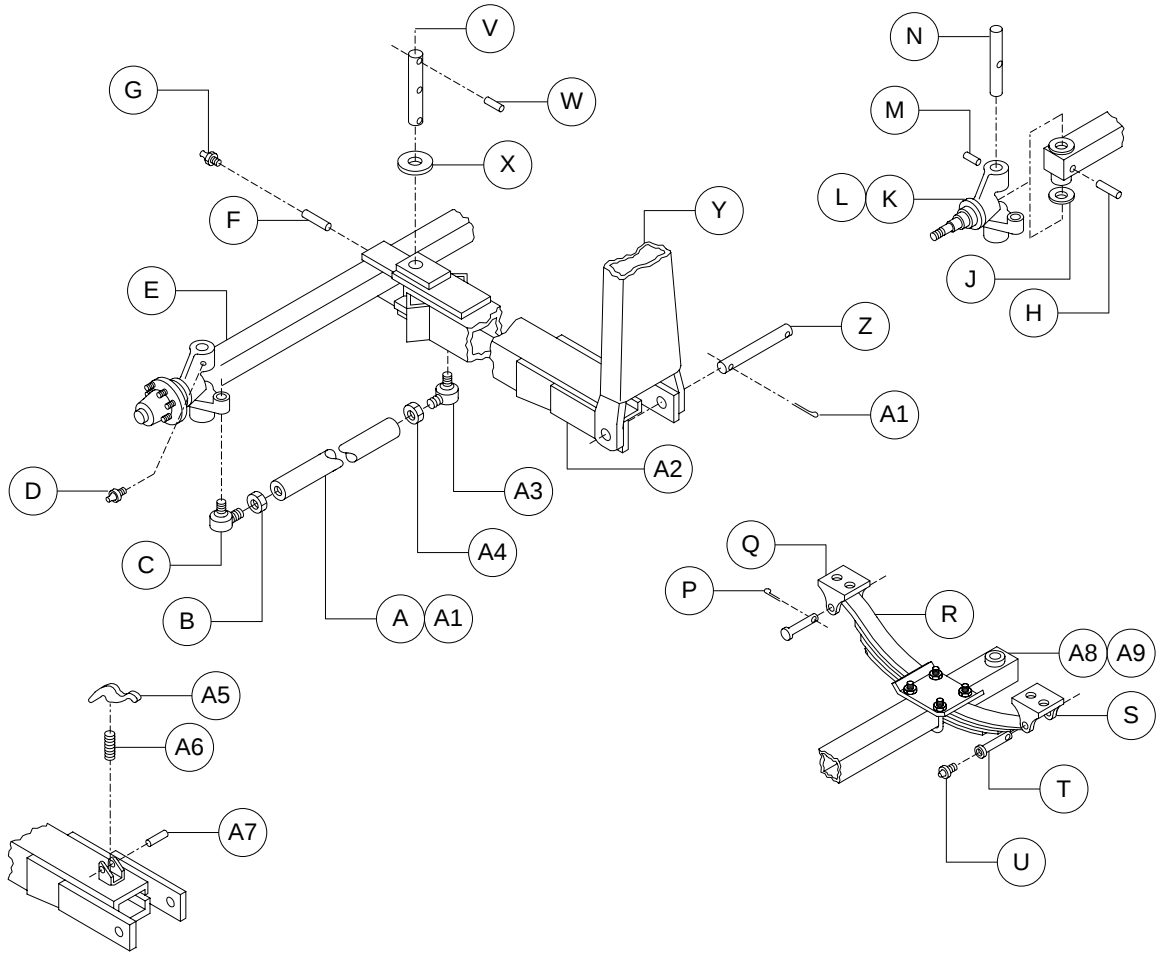
Fast Track Wiring



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

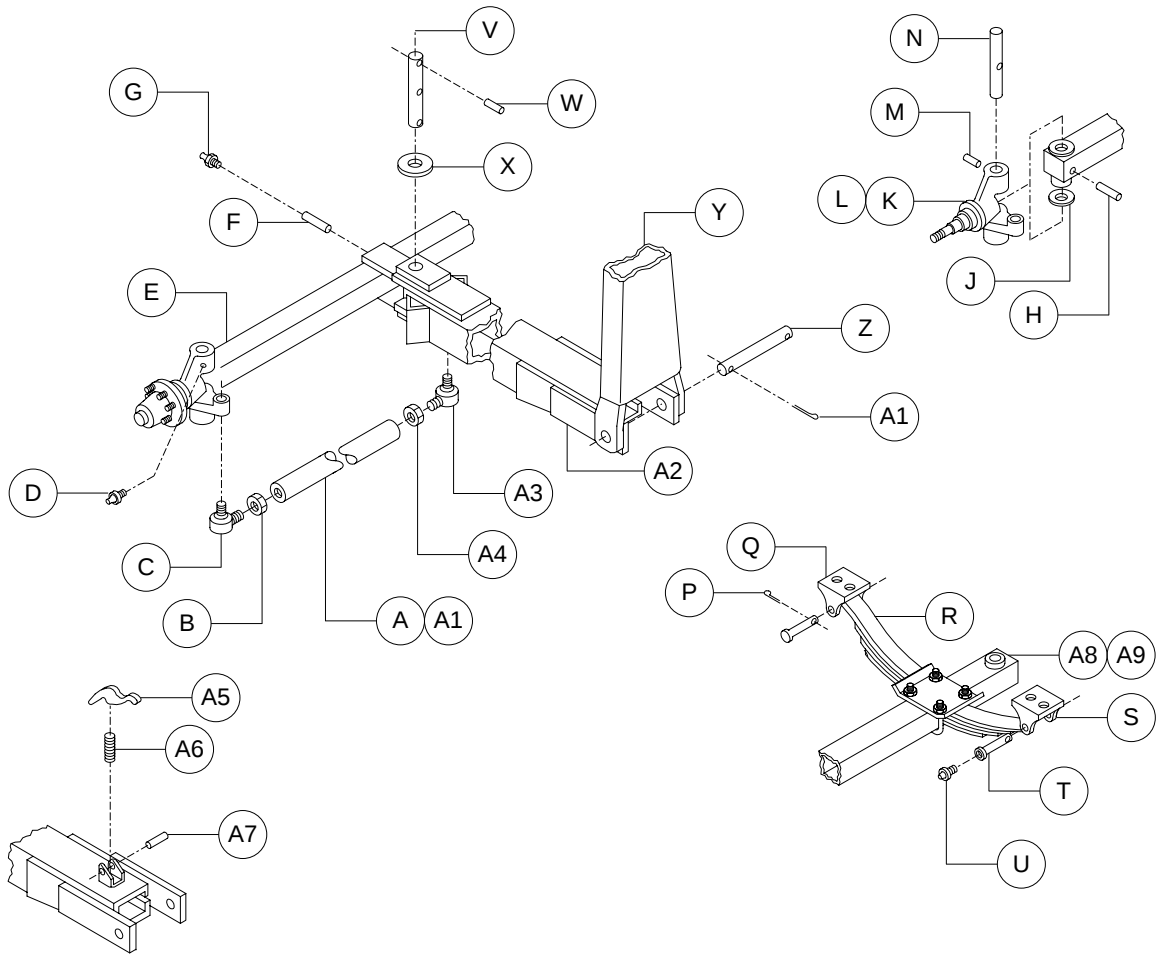
LIST OF MATERIALS									
CKT	TERMINATION A	TYPE	SIZE	TERMINATION B	TYPE	SIZE	GAUGE	LENGTH	COLOR
1	RECEPTACLE 1	E		GROUND	A	1/4	14	46	WHT
2	RECEPTACLE 6	E		SPLICE 1	D		14	24	BRN
3	SPLICE 1			LH FRT CLEARANCE	B		14	95	BRN
4	LH FRT CLEAR W/CKT 3B			RH FRT CLEARANCE	B		14	89	BRN
5	SPLICE 1 W/CKT 3A			SPLICE 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



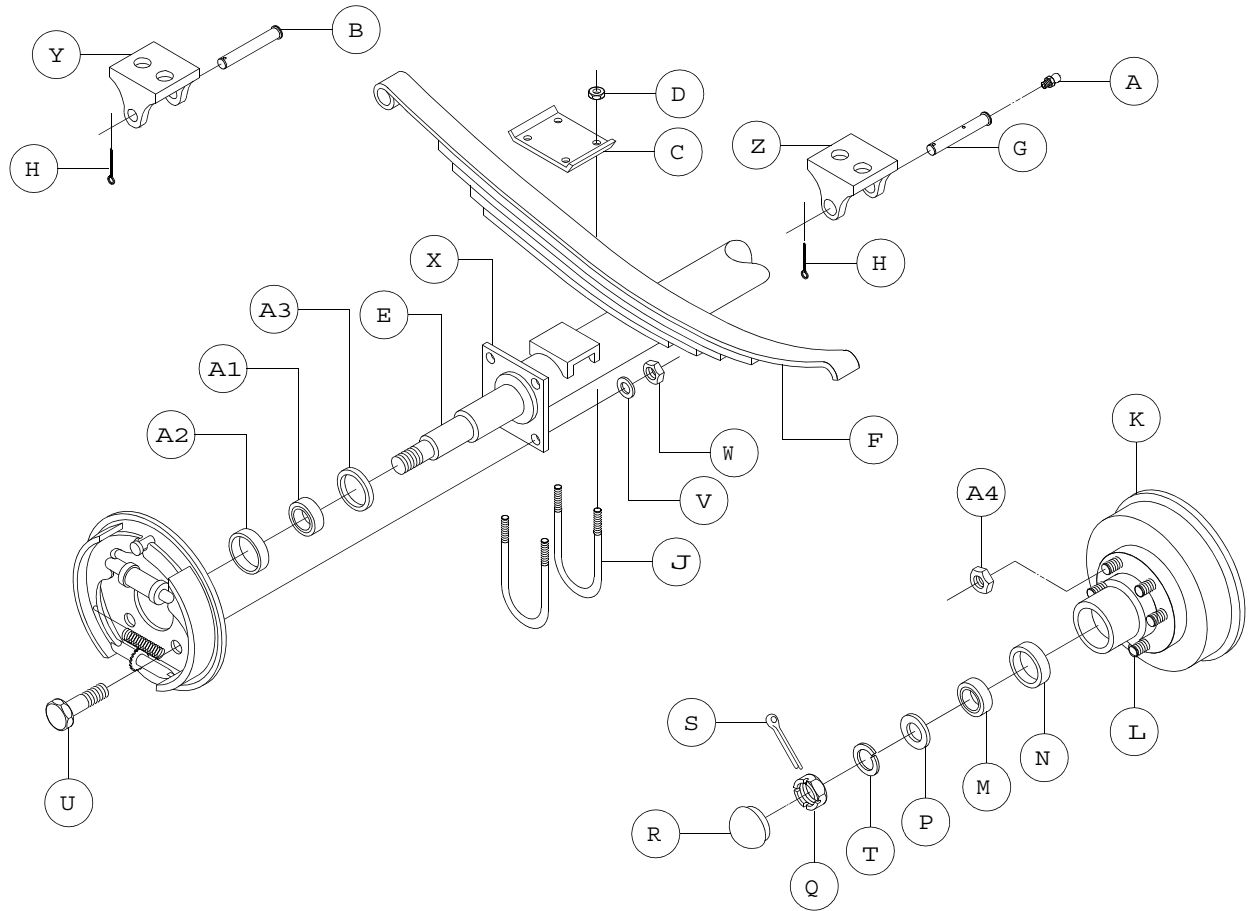
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36504389	Rod, Tie	2	
B	36140730	Nut, Jam	2	
C	35588961	Ball Joint, Outer	2	
D	35221894	Fitting, Lube	2	
E	36753259	Axle, Front	1	
F	95717369	Pin, Roll	1	
G	35221894	Fitting, Lube	1	
H	95338554	Pin, Roll	2	
J	95239927	Washer	4	
K	36851566	LH Knuckle Assembly	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



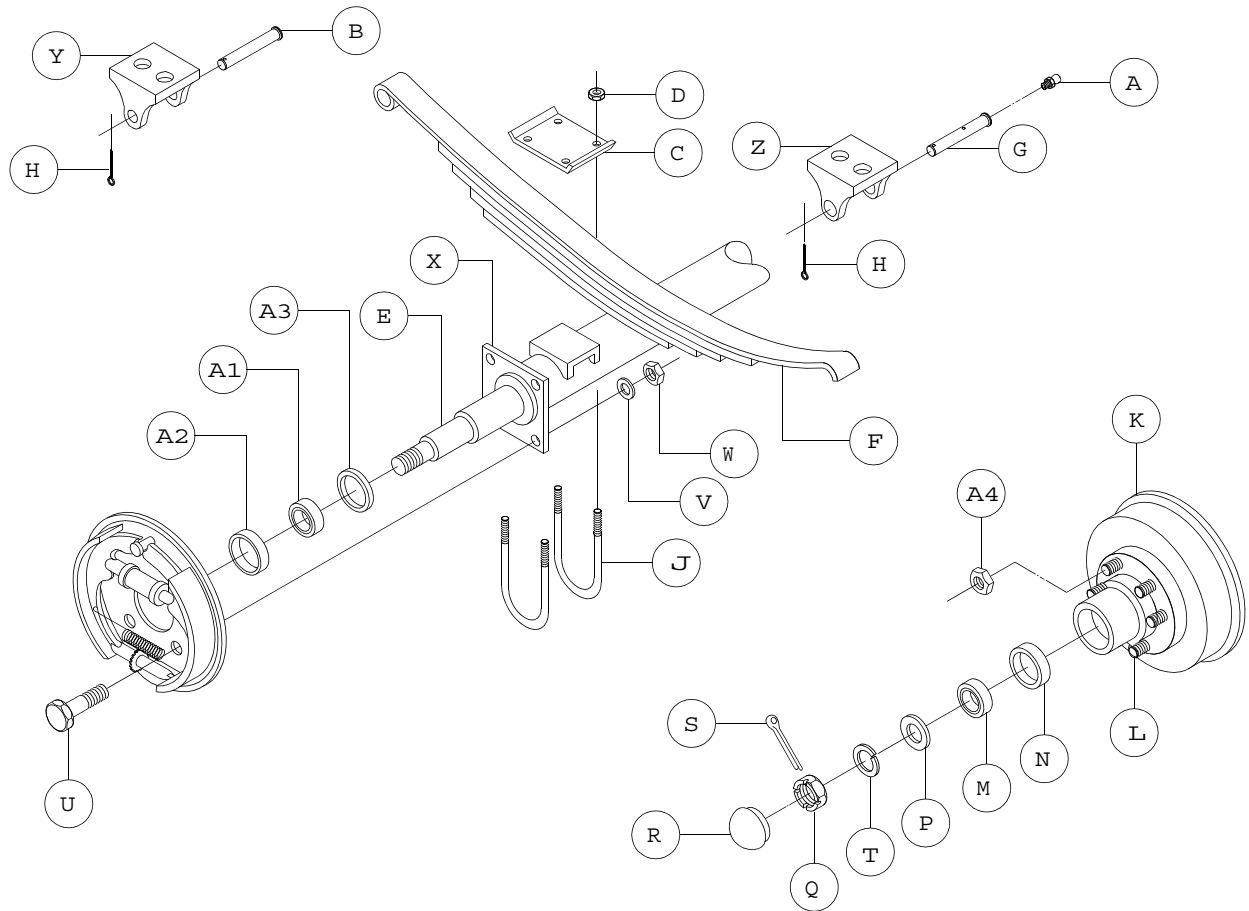
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
U	95318556	Fitting, Lube	2	Continued
V	35588755	Pin, Center	1	
W	95717377	Pin, Roll	2	
X	95934956	Washer	2	
Y	36719557	Drawbar	1	
Z	35107168	Pin, Hinge	1	
A1	95201455	Pin, Cotter	2	
A2	36753242	Arm, Center	1	
A3	35588953	Balljoint, Inner	2	
A4	35140722	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



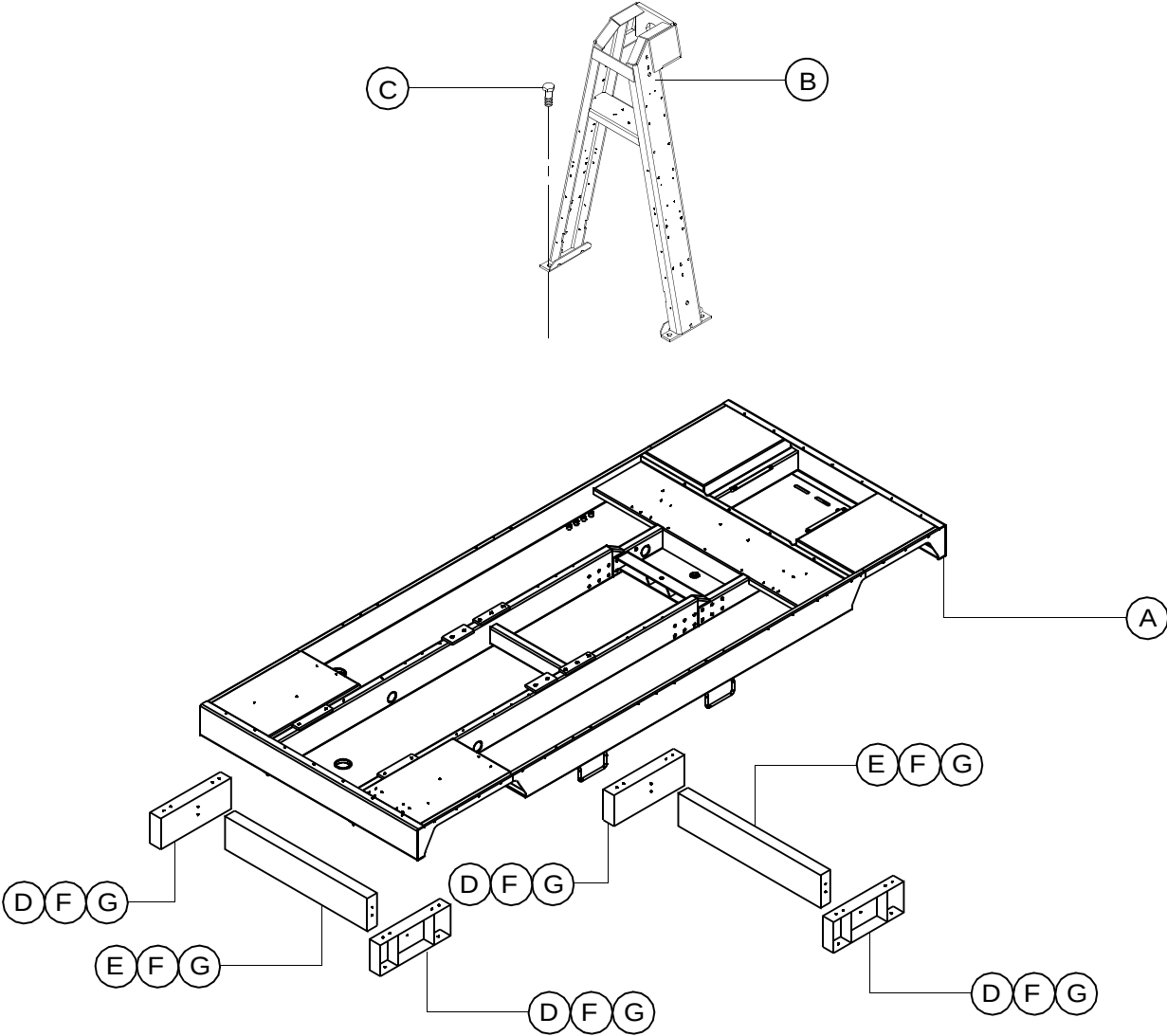
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95318556	Fitting, Lube	2	
B	35588839	Rivet	2	
C	35589241	Plate, Clamp	2	
D	35111566	Nut	8	
E	36851640	Axle, Rear	1	
F	36719466	Spring	2	
G	35111590	Bolt Shackle	2	
H	95018982	Pin, Cotter	2	
J	35834621	U-Bolt	4	
K	36851665	Hub Assembly (Includes Items 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	Continued
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	

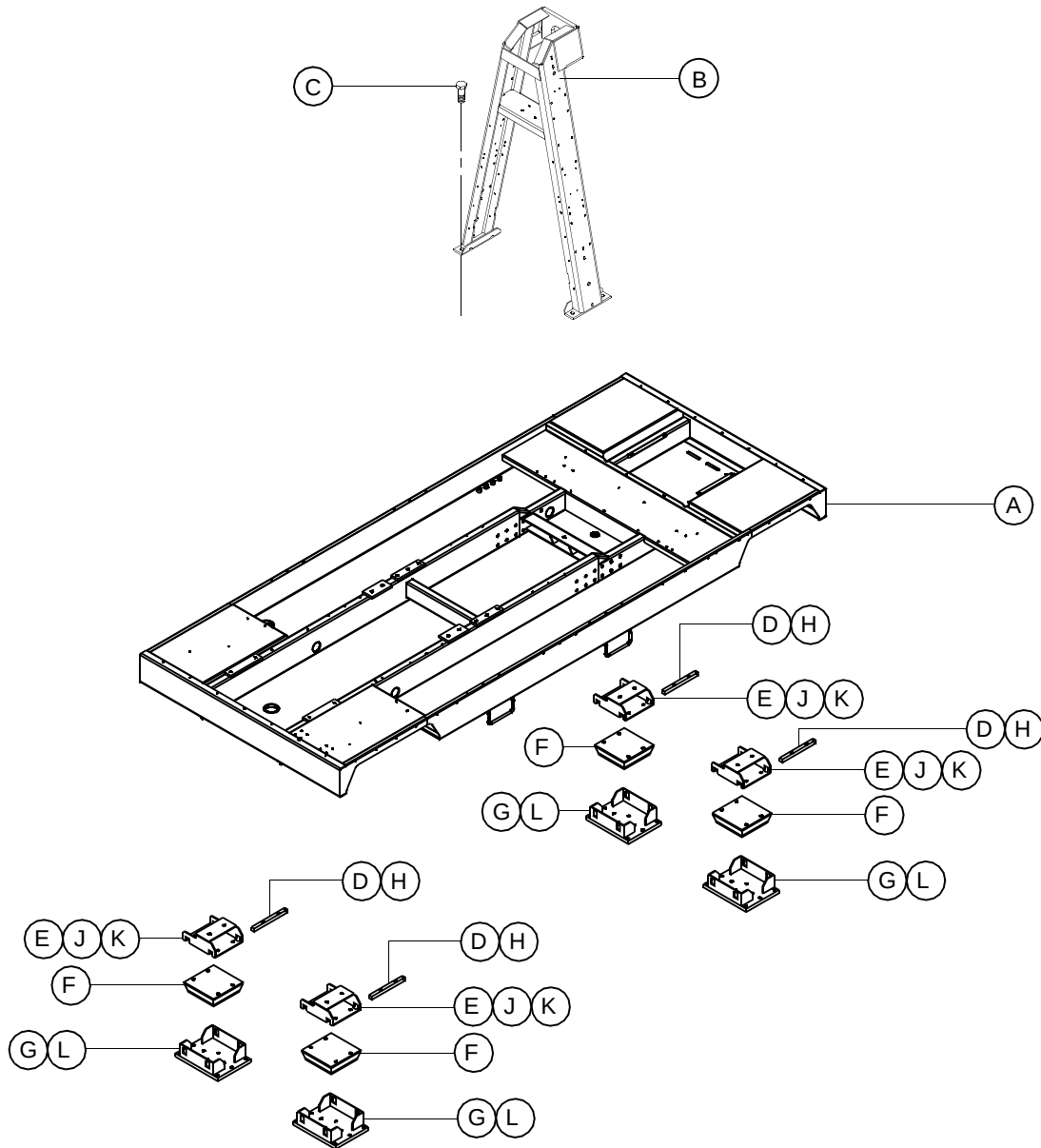
LRG Pedestal Mount on Wagon Wheel Frame Assembly



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	

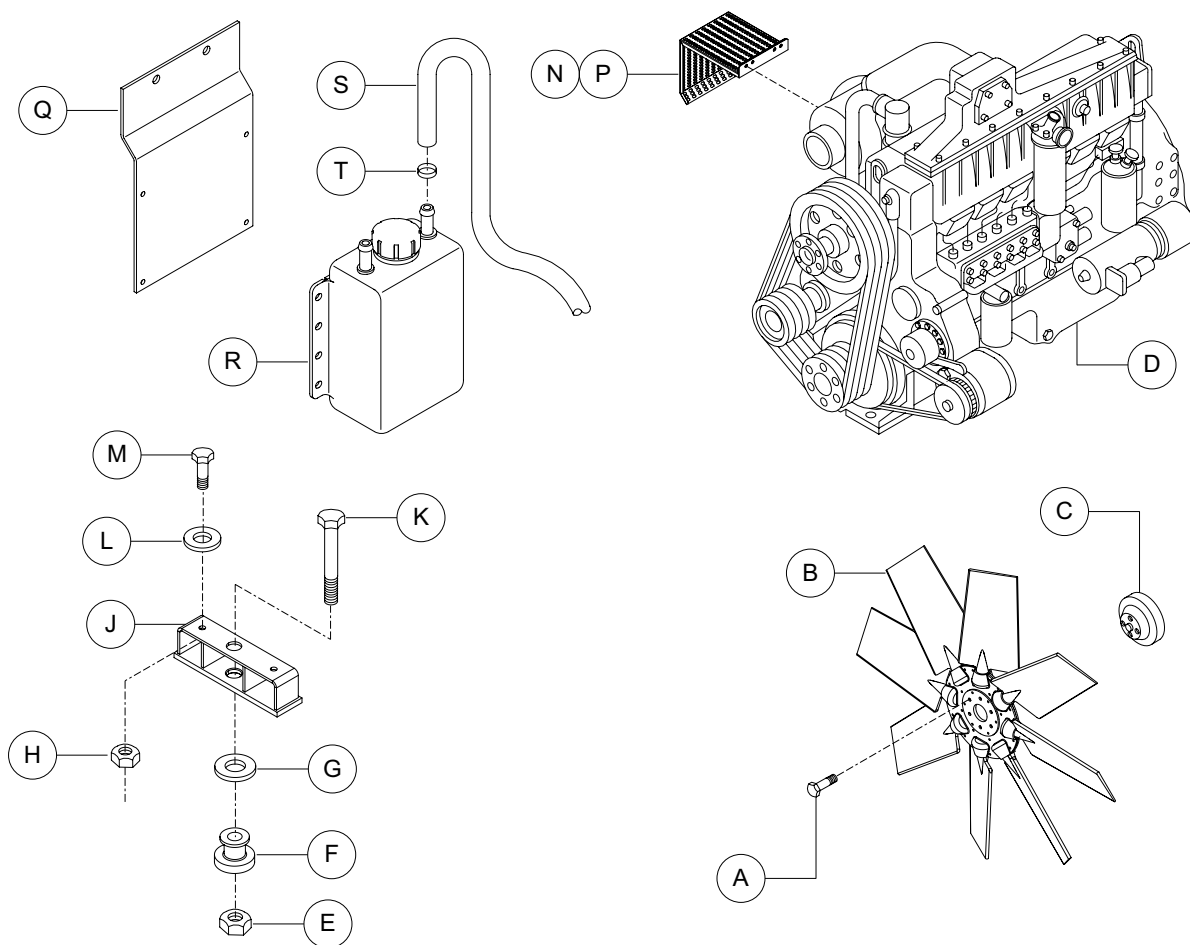
LRG Shock Mount on Wagon Wheel Frame Assembly



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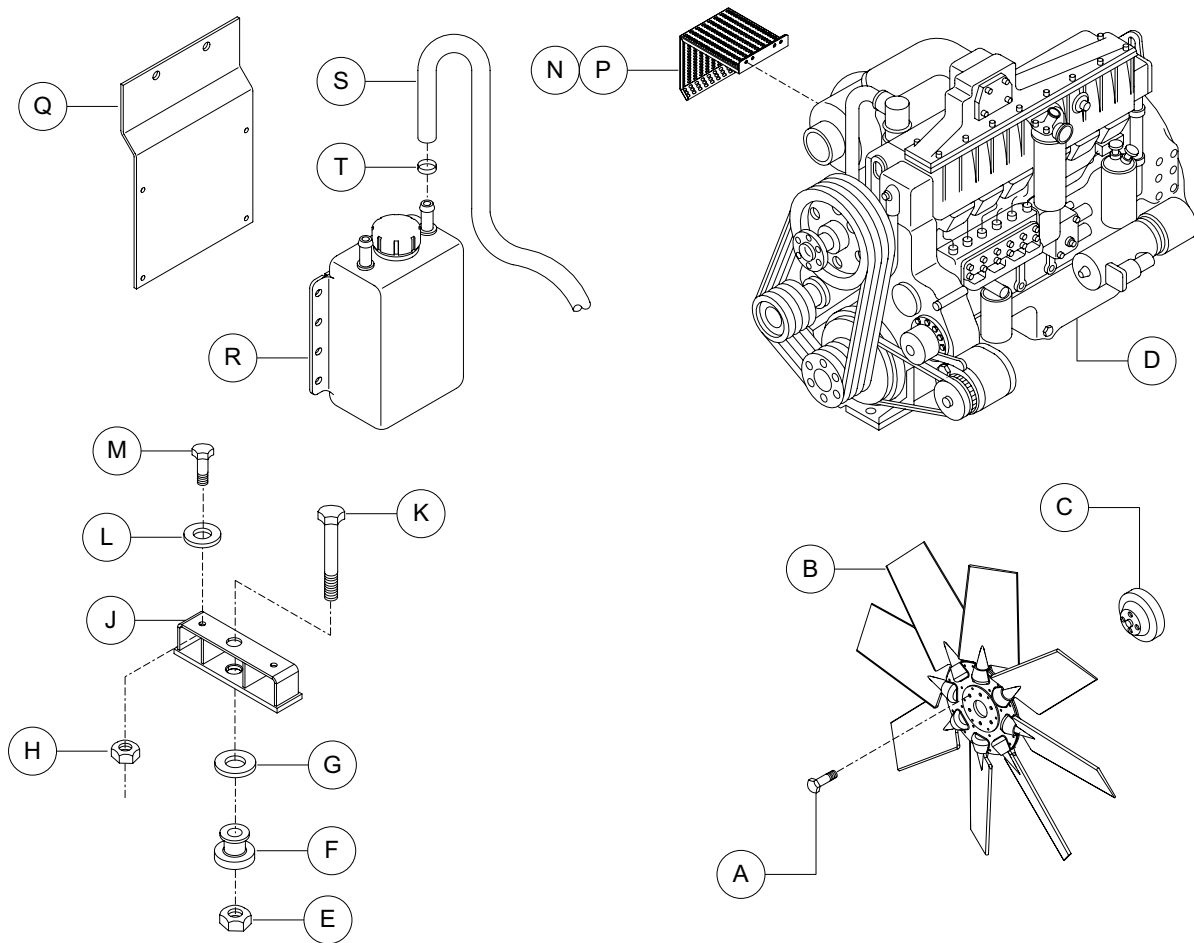
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54501796	Frame Assembly	1	
B	22186845	Bail, Lifting	1	
C	96700901	Screw	6	
D	22112171	Bar, Shock Mount Rest	8	
E	22110761	Support, Upper Shock Mount	4	
F	36847002	Isolator, Shear Mount	4	
G	22110753	Support, Lower Shock Mount	4	
H	95994877	Screw, Hex 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



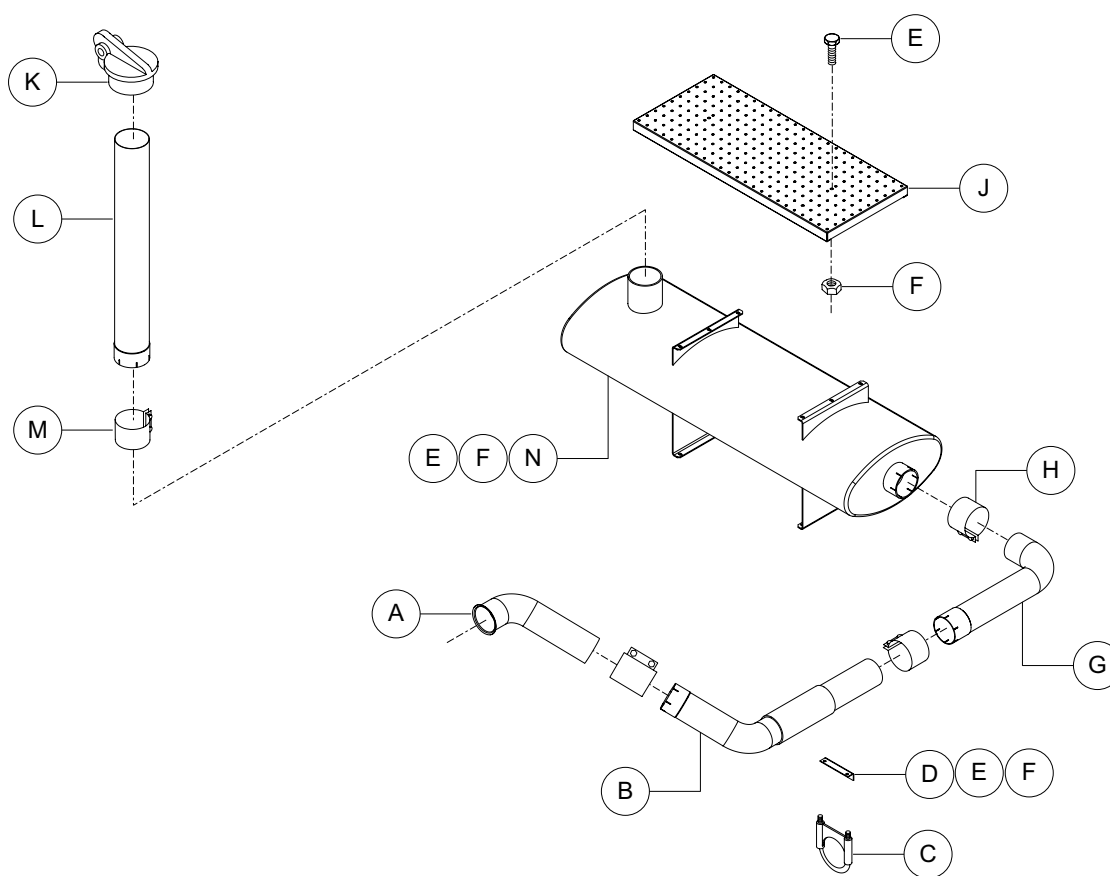
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95940920	Screw	6	<i>Continued.....</i>
B	36884047	Fan Assembly	1	
C	54409339	Spacer, Fan	1	
D	54661533	Engine, QSX-15 Cummins - Tier 2	1	
	22648414	Engine, QSX-15-C600 Cummins - Tier 3	1	
E	95923363	Nut	1	
F	35584556	Mount, Rubber	1	
G	35273937	Washer	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



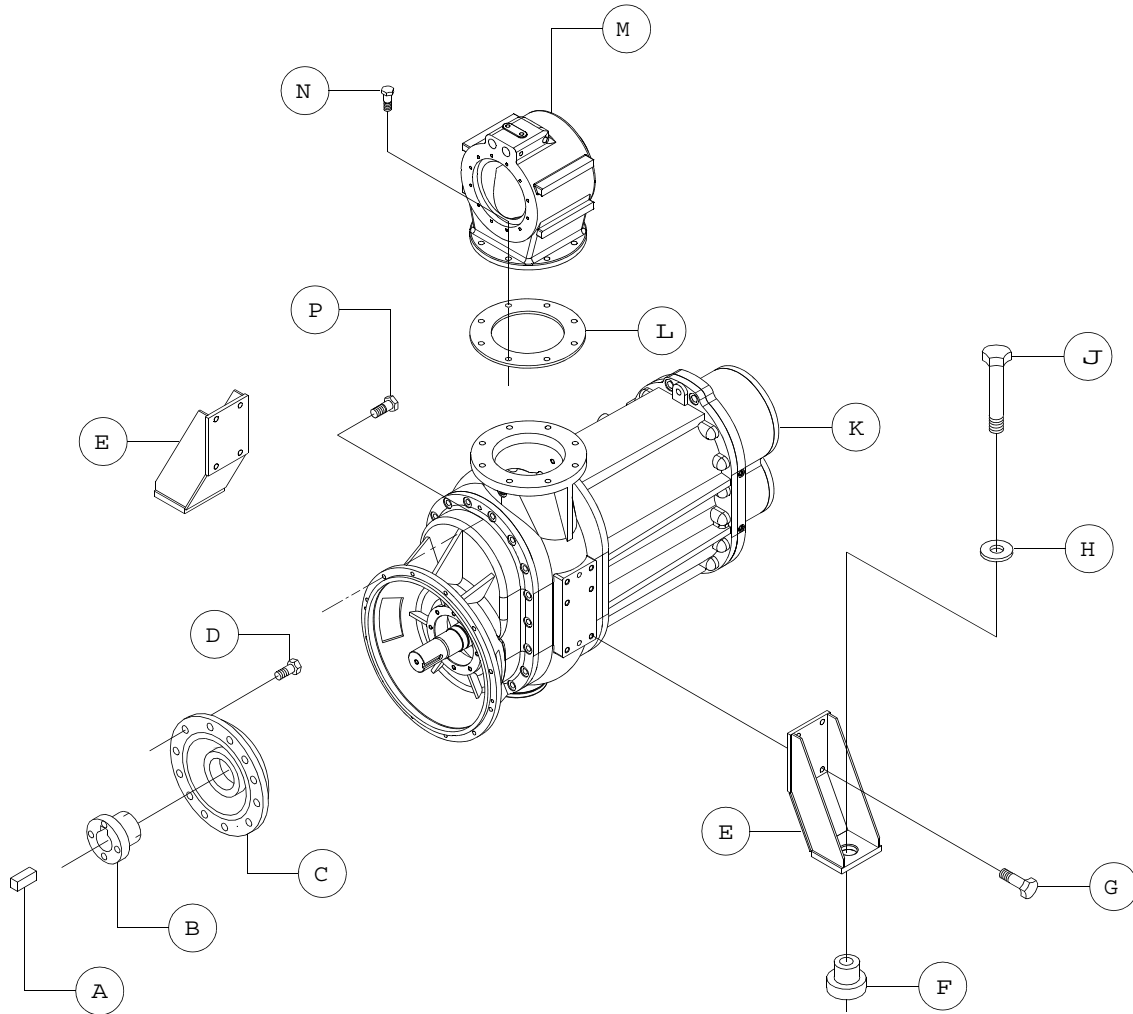
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Q	22524508	Bracket, Overflow	1	Continued
R	36845600	Bottle, Overflow		
S	35360775	Hose		
T	95220844	Clamp		
	36870608	Sender, Pressure (RH Side of Engine)	1	
	36841138	Sender, Temp. (Side of Water Pump in Bushing)	1	
	54662036	Engine Fuel Filter	1	
	54662028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

Exhaust Assembly



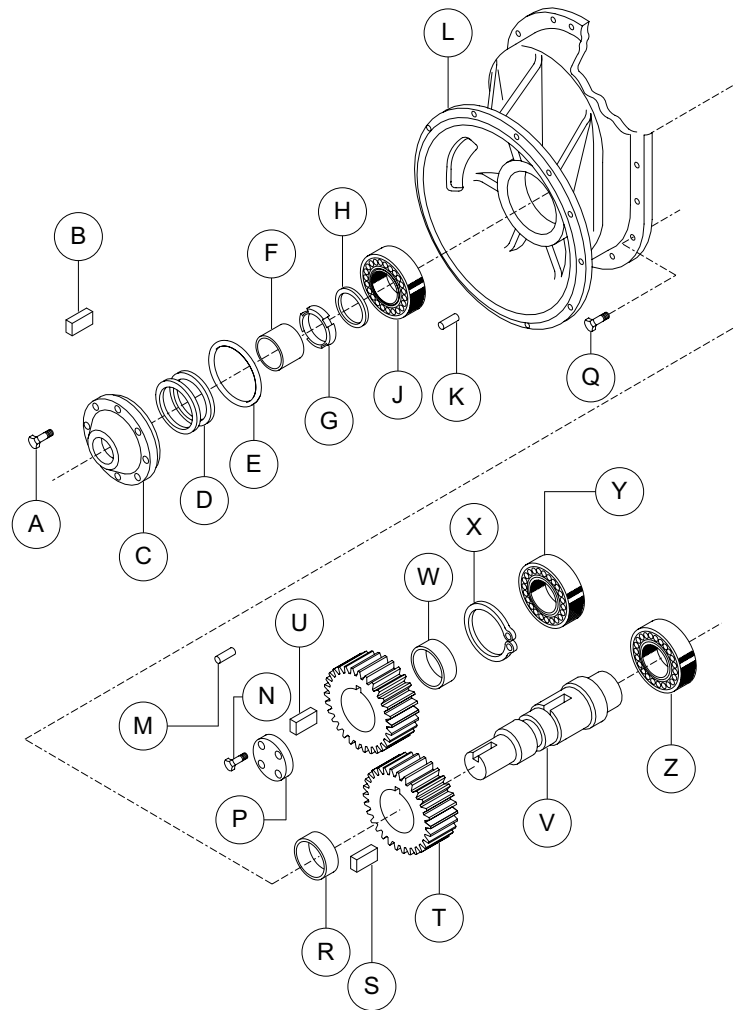
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54603774	Pipe, Engine Turbo	1	
B	54616552	Pipe, Exhaust (Standard)	1	
	54738752	Pipe, Exhaust (IQ)	1	
C	35127653	Clamp	1	
D	35611235	Support, Pipe	1	
E	36880995	Screw	12	
F	36879195	Nut	12	
G	54616560	Pipe, Exhaust	1	
H	35307131	Clamp, Seal	3	
J	54629589	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



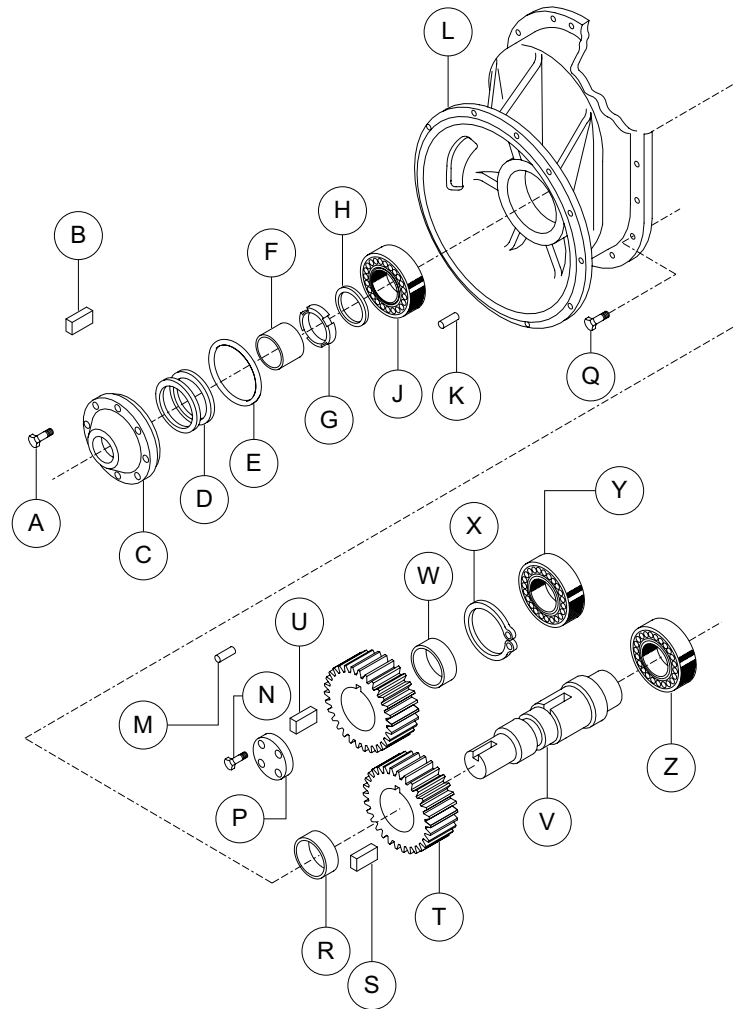
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35367069	Key, Bushing	1	
B	35307784	Bushing	1	
C	54540141	Coupling	1	
D	95941092	Screw	12	
E	54542535	Bracket, Air End	2	
F	35584556	Mount, Rubber	2	
G	35375385	Screw	8	
H	35273937	Washer	2	
J	96700919	Screw	2	
K	42469809	Air End Assembly	1	
L	36754059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

285 Air End Complete



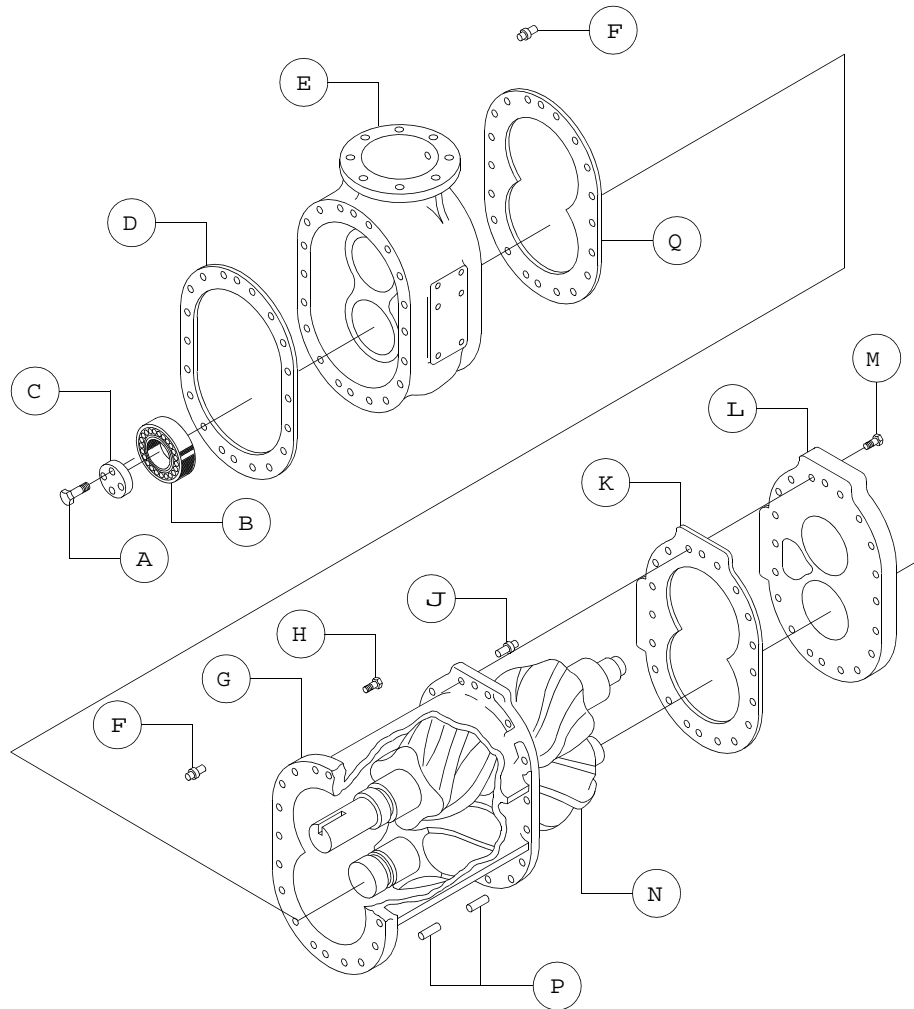
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96706080	Screw	8	
B	35367069	Key	1	
C	35849348	Cover	1	
D	39927512	Shim (1.016mm)	1	
	39927520	Shim (1.016mm)	1	
	39927538	Shim (1.016mm)	1	
	39927546	Shim (1.016mm)	6	
E	95358214	O-Ring	1	
F	35596626	Seal	1	
G	35299775	Locknut	1	
H	35300227	Spacer	1	
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	<i>Continued.....</i>

285 Air End Complete



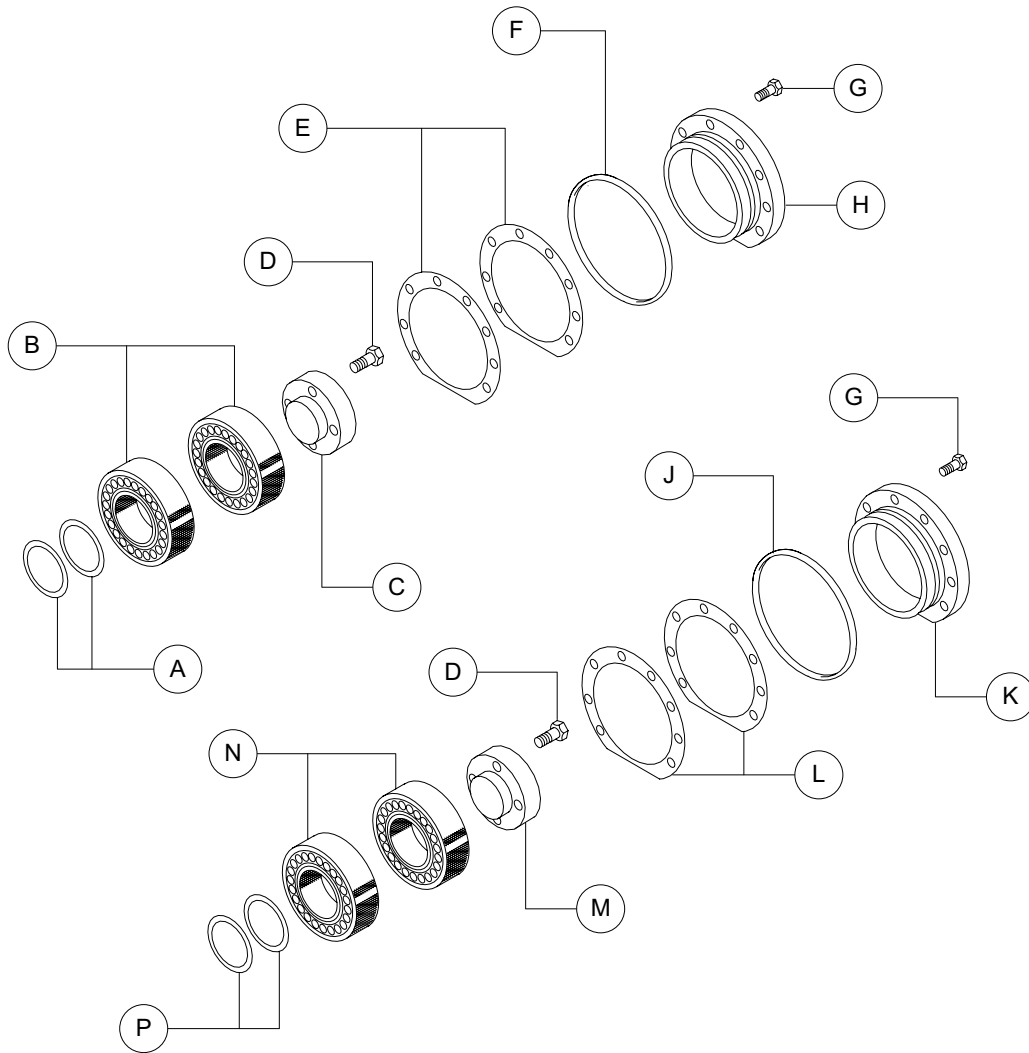
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Q	96706262	Screw	18	Continued
R	35300227	Spacer	1	
S	35300136	Key	1	
T	35298470	Gear Set, HP-1300	1	
	36758142	Gear Set, HP-1600	1	
U	35300144	Key	1	
V	35851195	Shaft	1	
W	35610286	Spacer	1	
X	95285599	Retaining Ring	1	
Y	35610591	Bearing	1	
Z	35605203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

285 Air End Complete



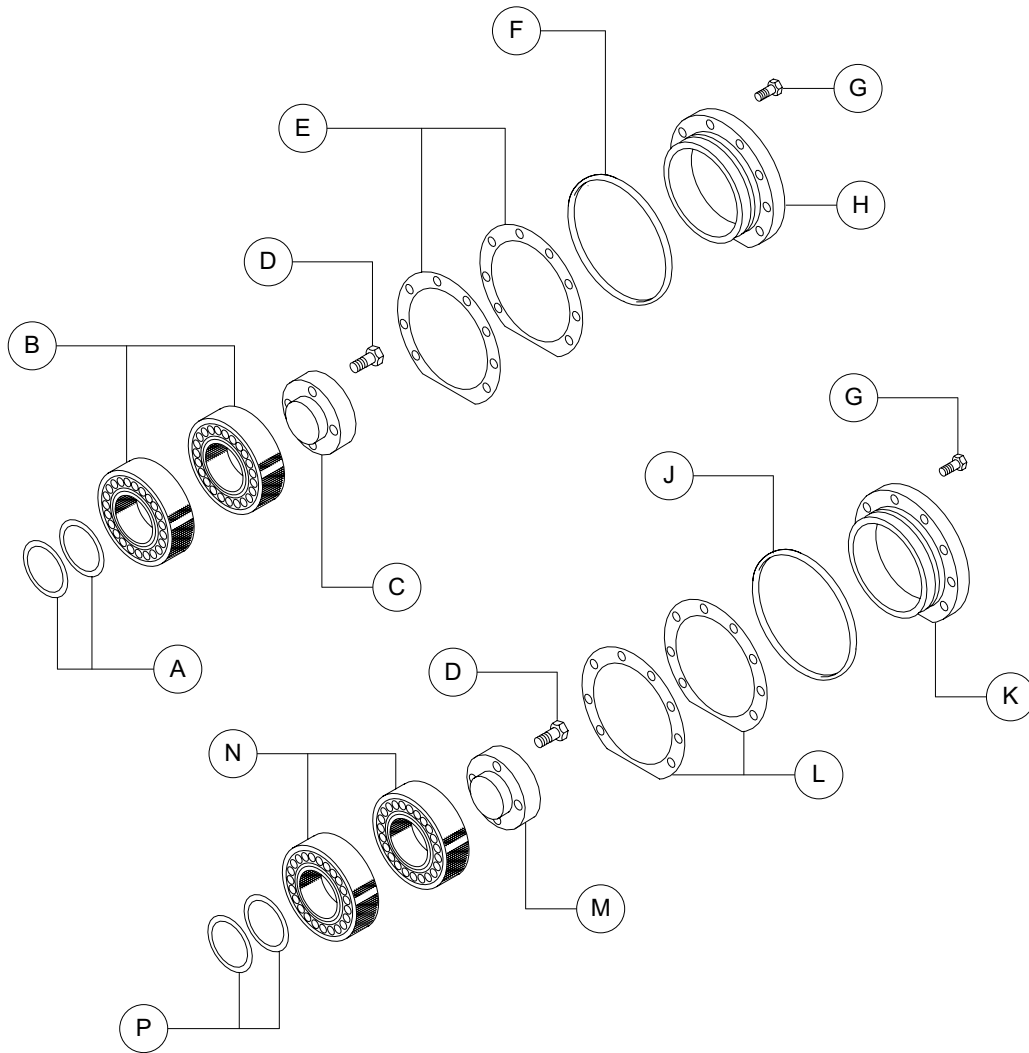
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35293869	Screw	4	
B	39926787	Bearing	1	
C	35373877	Plate, Clamp	1	
D	35820646	Gasket	1	
E	36754141	Housing, Front Bearing	1	
F	35365279	Pin	2	
G	54363536	Housing, Rotor	1	
H	96706262	Screw	20	
J	35365279	Dowel	1	
K	35820661	Gasket	1	
L	36856060	Housing, 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



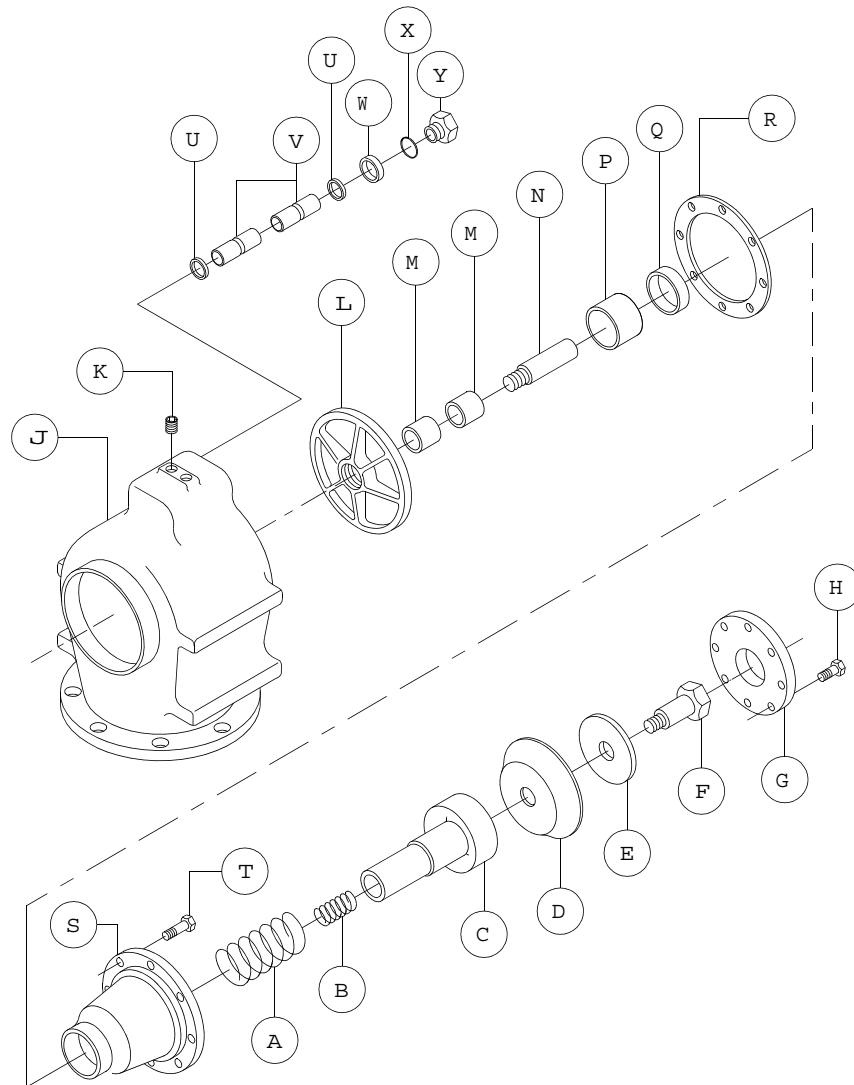
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	39927496	Shim	6	
B	35299403	Bearing	2	
C	35610278	Plate, Clamp	1	
D	35299569	Screw	4	
E	39927058	Shim (.051mm)	3	
	95358446	Shim (.076mm)	3	
	35321520	Shim (.254mm)	3	
F	95352944	O-Ring	1	
G	96716162	Screw	8	
H	36504330	Cap	1	
J	95603130	O-Ring	1	
K	36504355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

285 Air End Complete



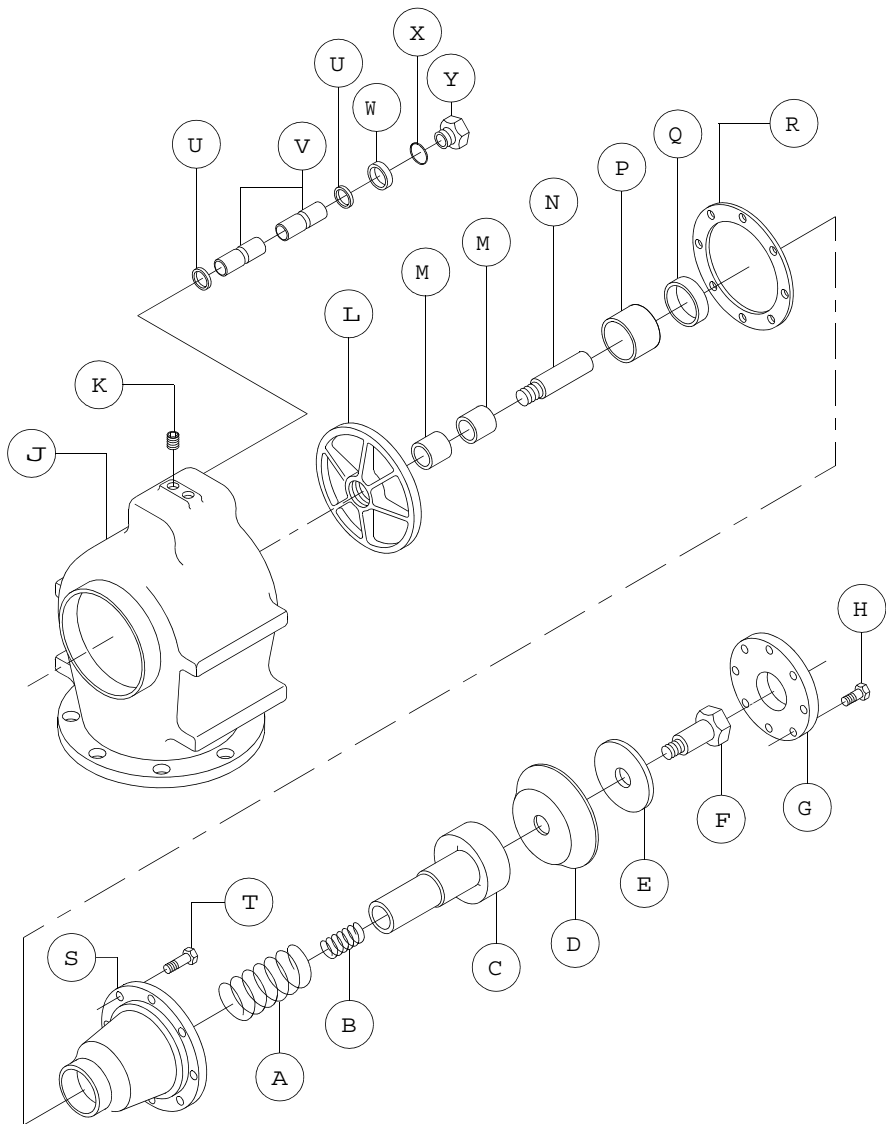
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	35606920	Plate, Clamp	1	 <i>Continued</i>
N	35299429	Bearing	2	
P	39927504	Shim (.051mm)	5	

Unloader Assembly



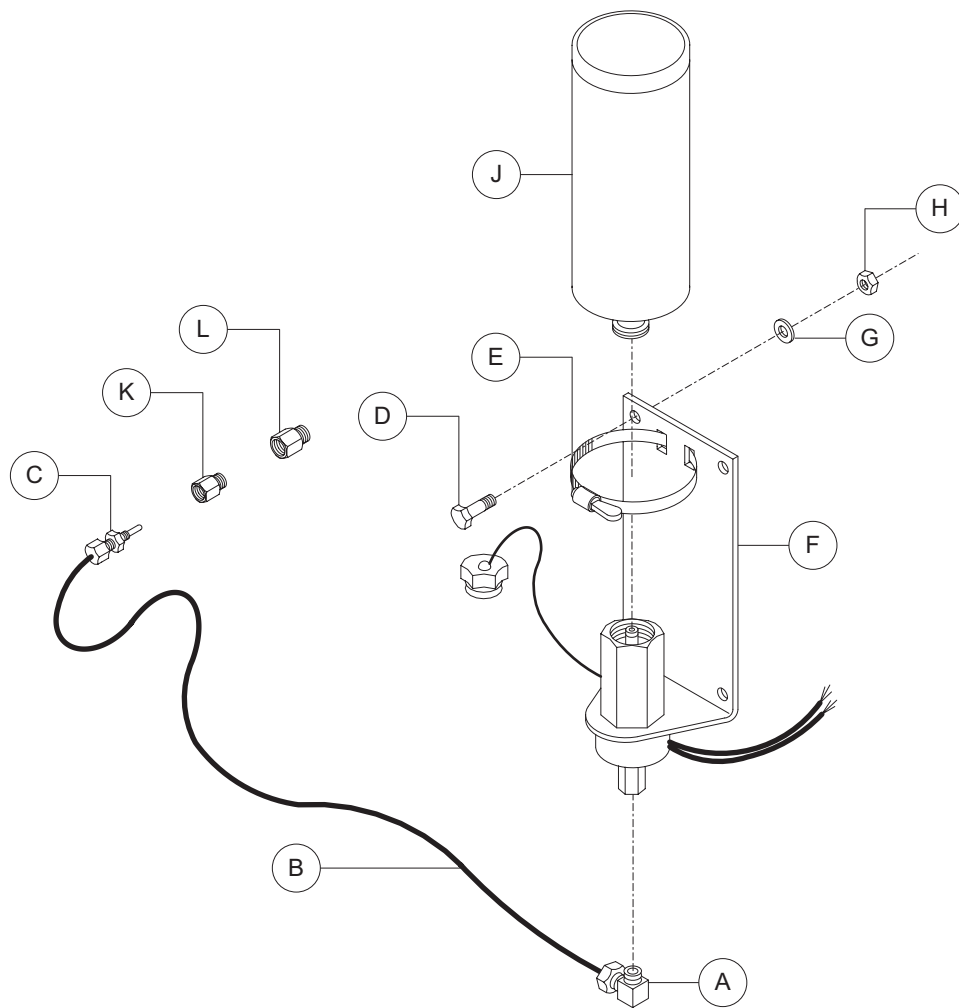
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35594878	Spring, Piston	1	<i>Continued.....</i>
B	35594910	Spring, Valve	1	
C	35594829	Piston	1	
D	35594837	Diaphragm	1	
E	35332618	Washer, Piston	1	
F	95104147	Screw	1	
G	35594811	Cover, Piston	1	
H	96702659	Screw	8	
J	36729416	Body, Unloader	1	
K	95928222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

Unloader Assembly



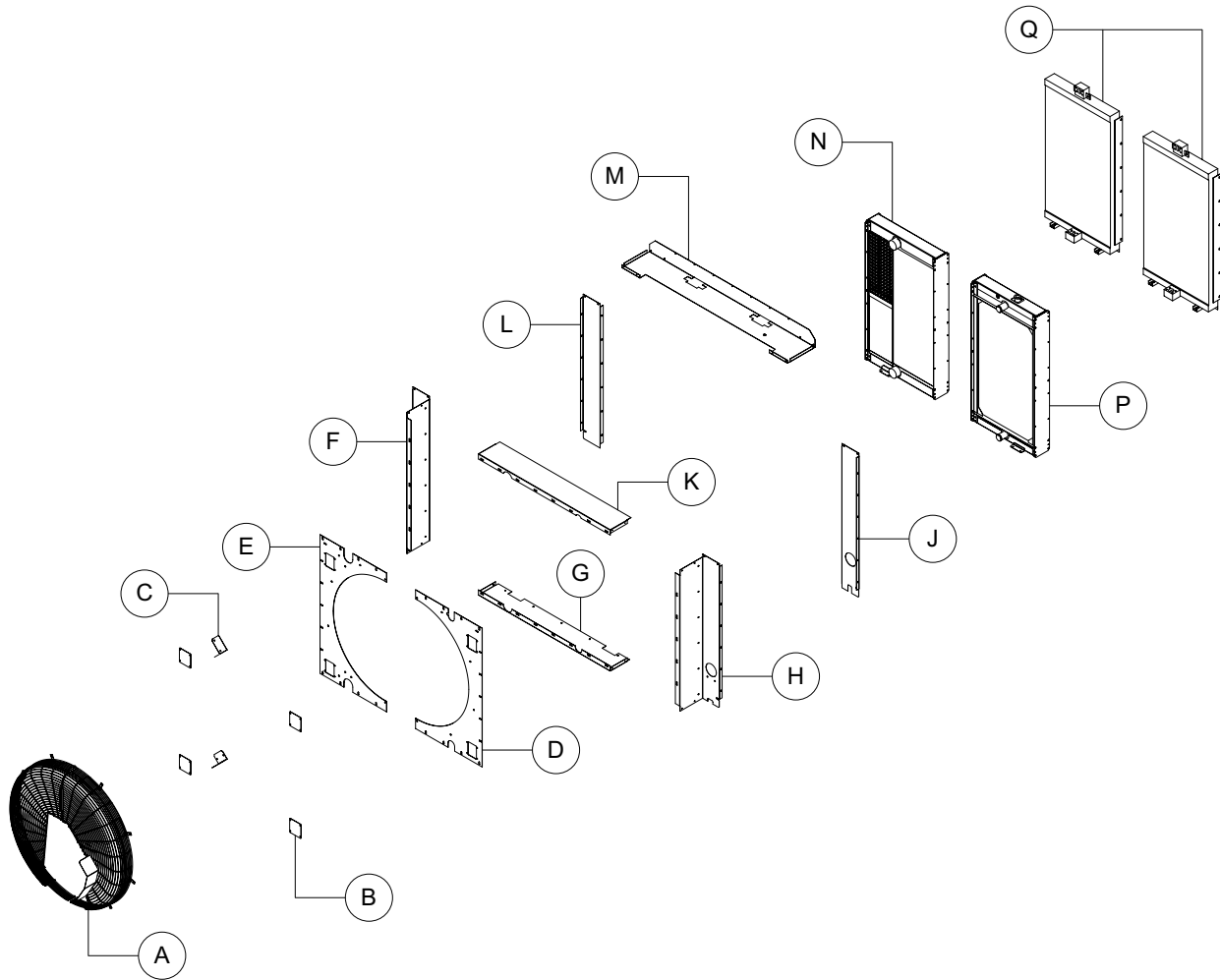
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	35332634	Bushing, Housing	1	 <i>Continued</i>
Q	35332642	Seal	1	
R	35594845	Gasket	1	
S	36729465	Housing, Piston	1	
T	96702287	Screw	12	
U	35331586	Grommet	2	
V	36897148	Valve	1	
W	35332626	Spacer	1	
X	39102355	O-Ring	1	
Y	95928222	Plug	1	

Starting Aid Assembly



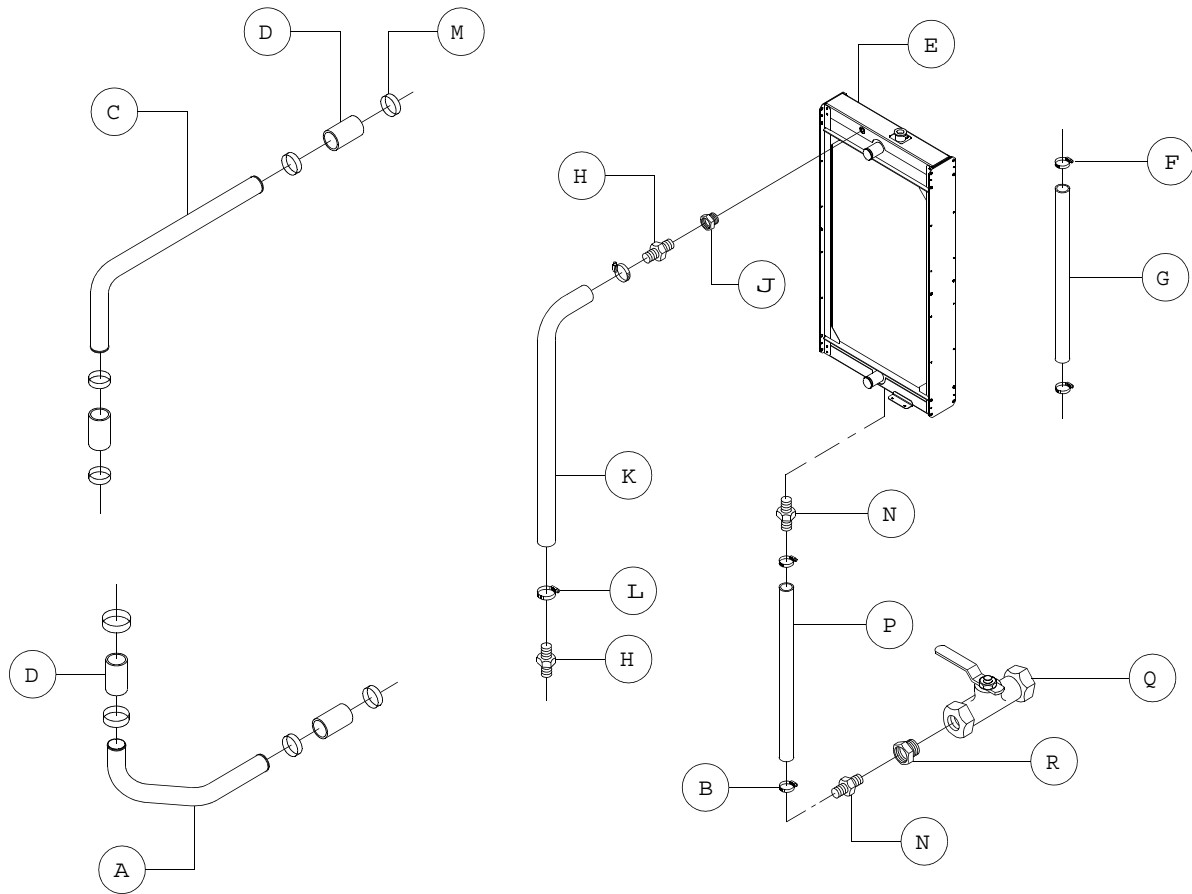
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35103498	Elbow	1	84"
B	35132166	Tubing	1	
C	35602812	Atomizer	1	
D	35322908	Screw	4	
E	35103506	Clamp	1	
F	35357052	Valve and Bracket Assembly	1	
G	95043196	Washer	4	
H	92304500	Nut	4	
J	35112911	Cylinder, Ether	1	
K	95930301	Bushing	1	
L	54720719	Adapter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

Radiator and Oil Cooler



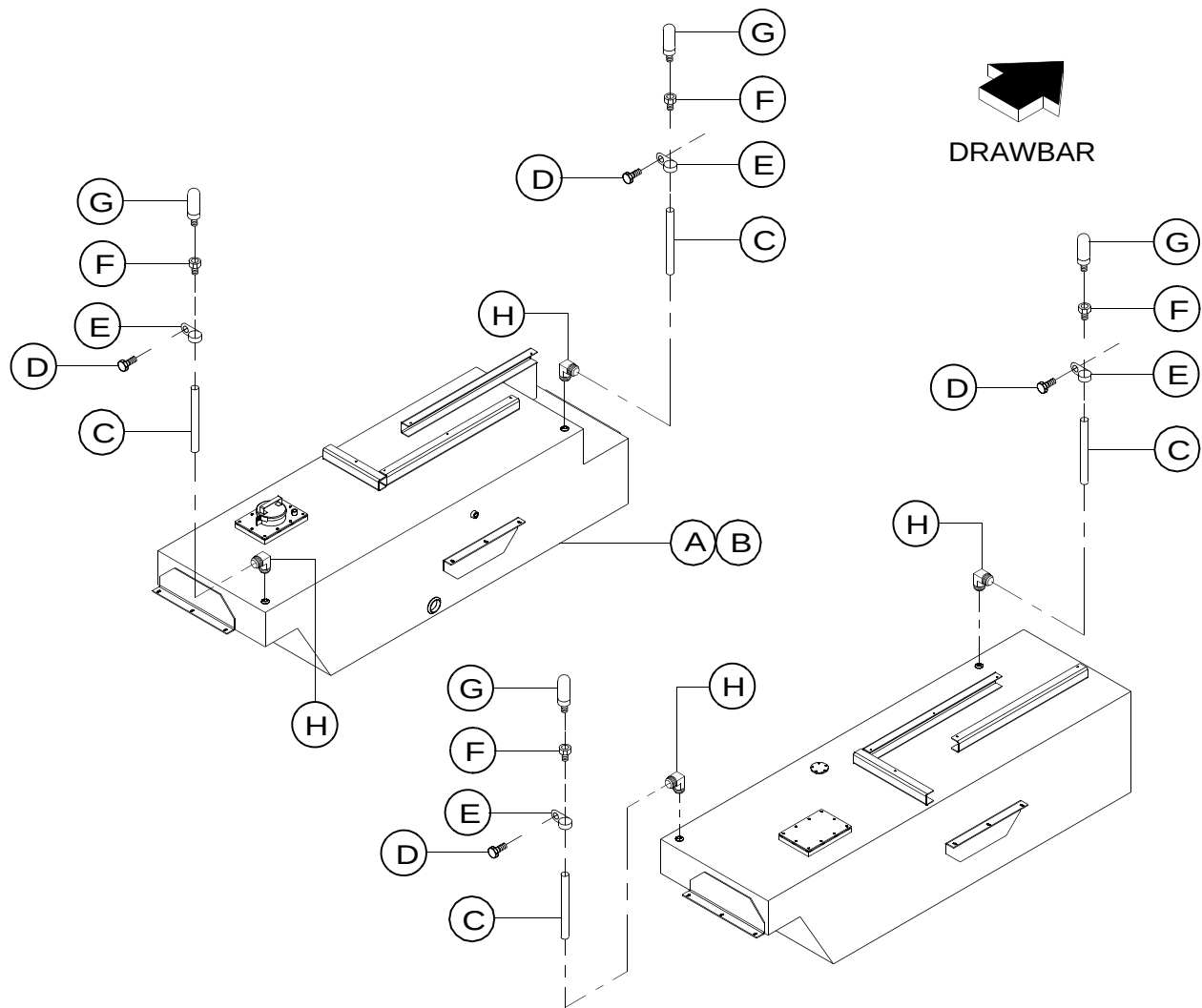
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54774526	Fan Guard Assembly	1	
B	54661426	Plate, Cover	4	
C	54661459	Bracket	2	
D	54507488	Orifice RH Fan	1	
E	54507470	Orifice LH Fan	1	
F	54507454	Support, RH Shroud	1	
G	54507447	Support, Bottom Shroud	1	
H	54507462	Support, LH Shroud	1	
J	22496269	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



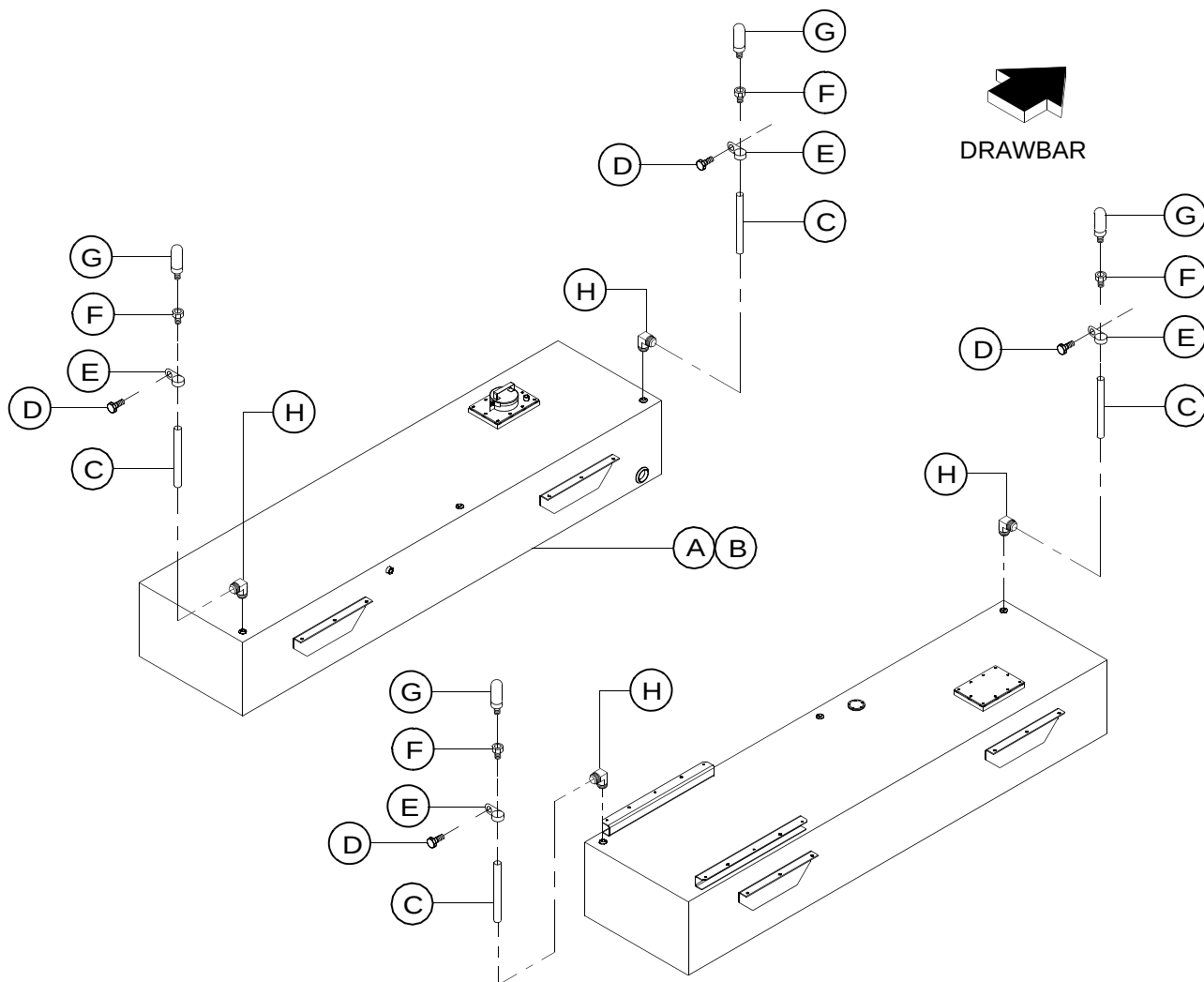
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54637996	Tube, Lower Radiator	1	
B	95220844	Clamp	2	
C	54638101	Tube, Upper Radiator	1	
D	35330570	Hose, Connector	3	
E	22767453	Radiator	1	
F	95235131	Clamp	2	
G	35135458	Hose, By-Pass	1	55"
H	35310598	Fitting, Barbed	1	
J	43212216	Adapter	1	
K	35285600	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	
S	54474572	Switch, Level	1	

High Speed Running Gear Fuel Tank Vent Piping



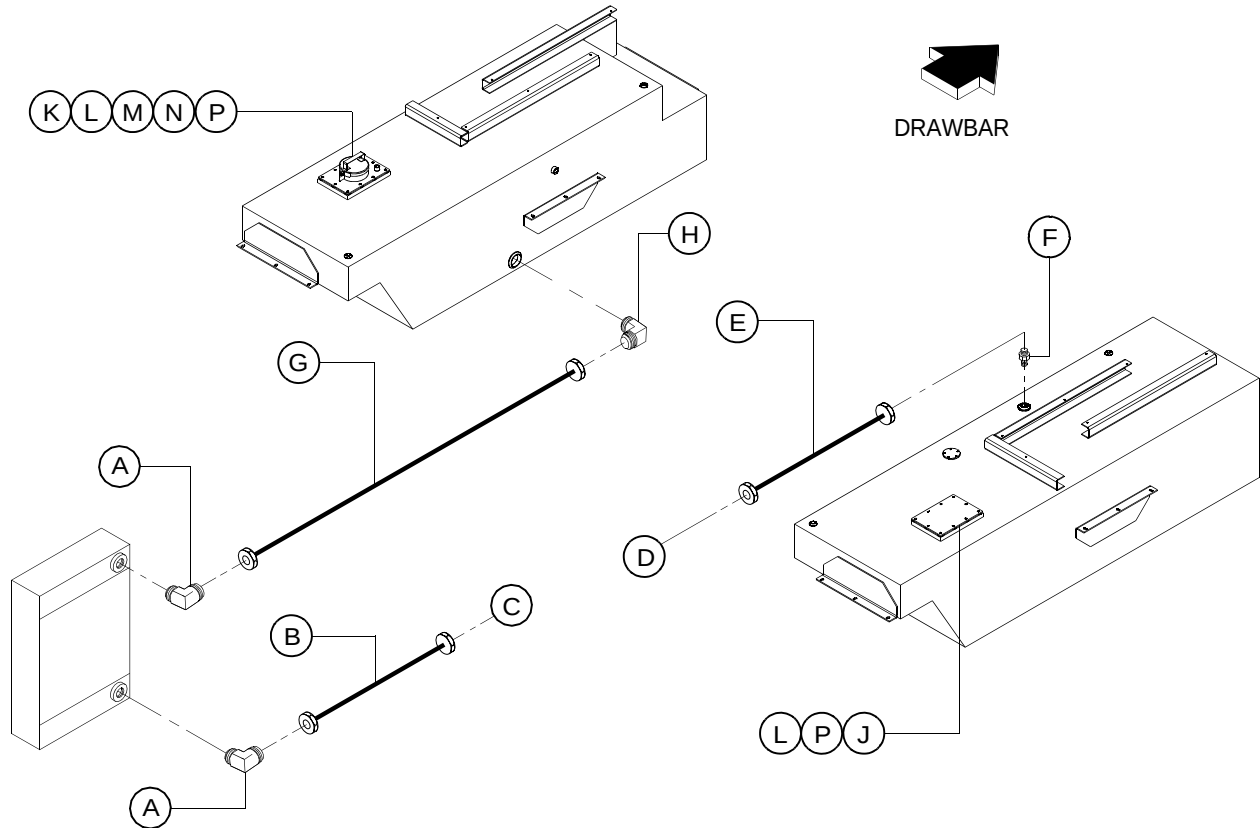
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22699201	Tank, R.H. Fuel	1	
B	54594080	Tank, L.H. Fuel	1	
C	35356484	Tubing (18 Inches)	1	
D	92368687	Screw	1	
E	35253038	Clamp	1	
F	35369339	Reducer	1	
G	35322395	Breather	1	
H	35369354	Elbow	1	

Wagon Wheel Running Gear Fuel Tank Vent Piping



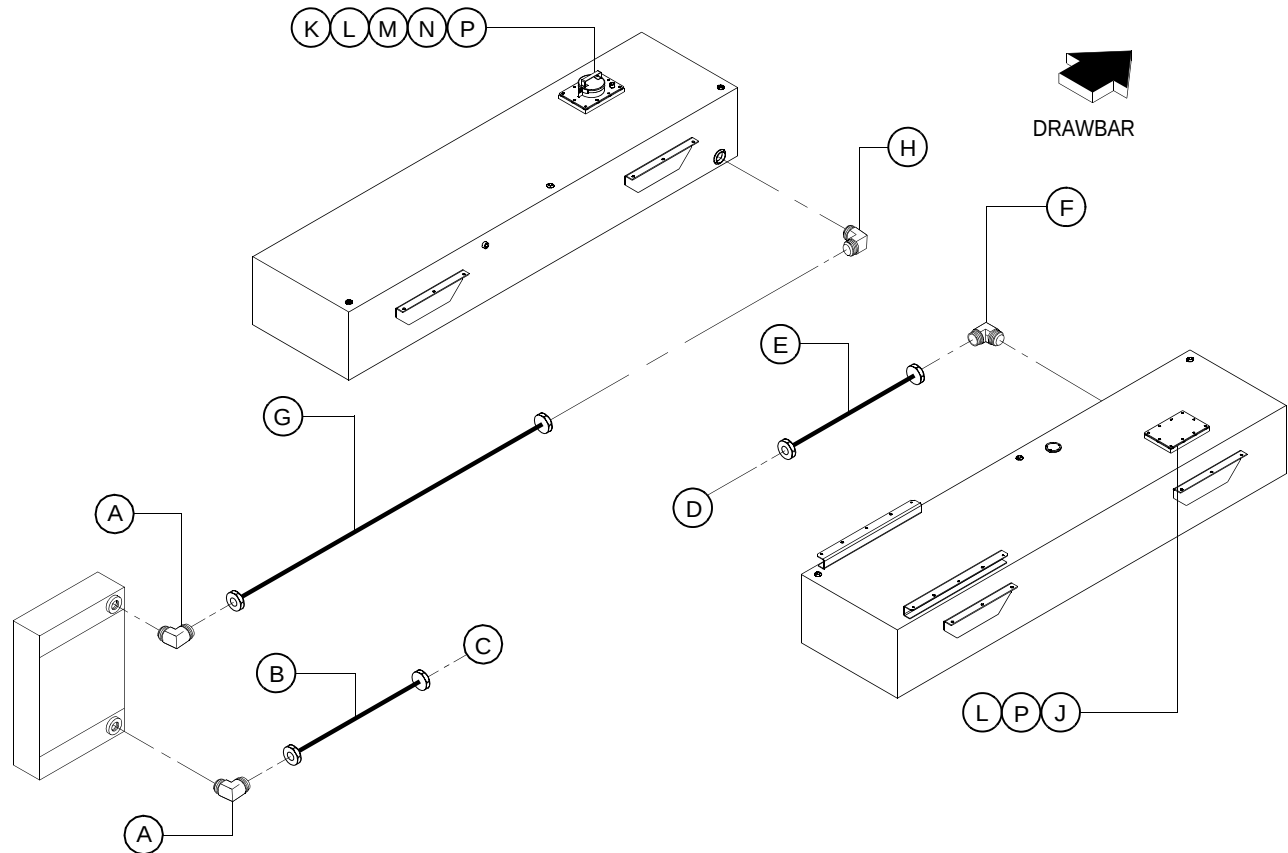
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22699219	Tank, R.H. Fuel	1	
B	54594106	Tank, L.H. Fuel	1	
C	35356484	Tubing (18 Inches)	1	
D	92368687	Screw	1	
E	35253038	Clamp	1	
F	35369339	Reducer	1	
G	35322395	Breather	1	
H	35369354	Elbow	1	

High Speed Running Gear Fuel Piping



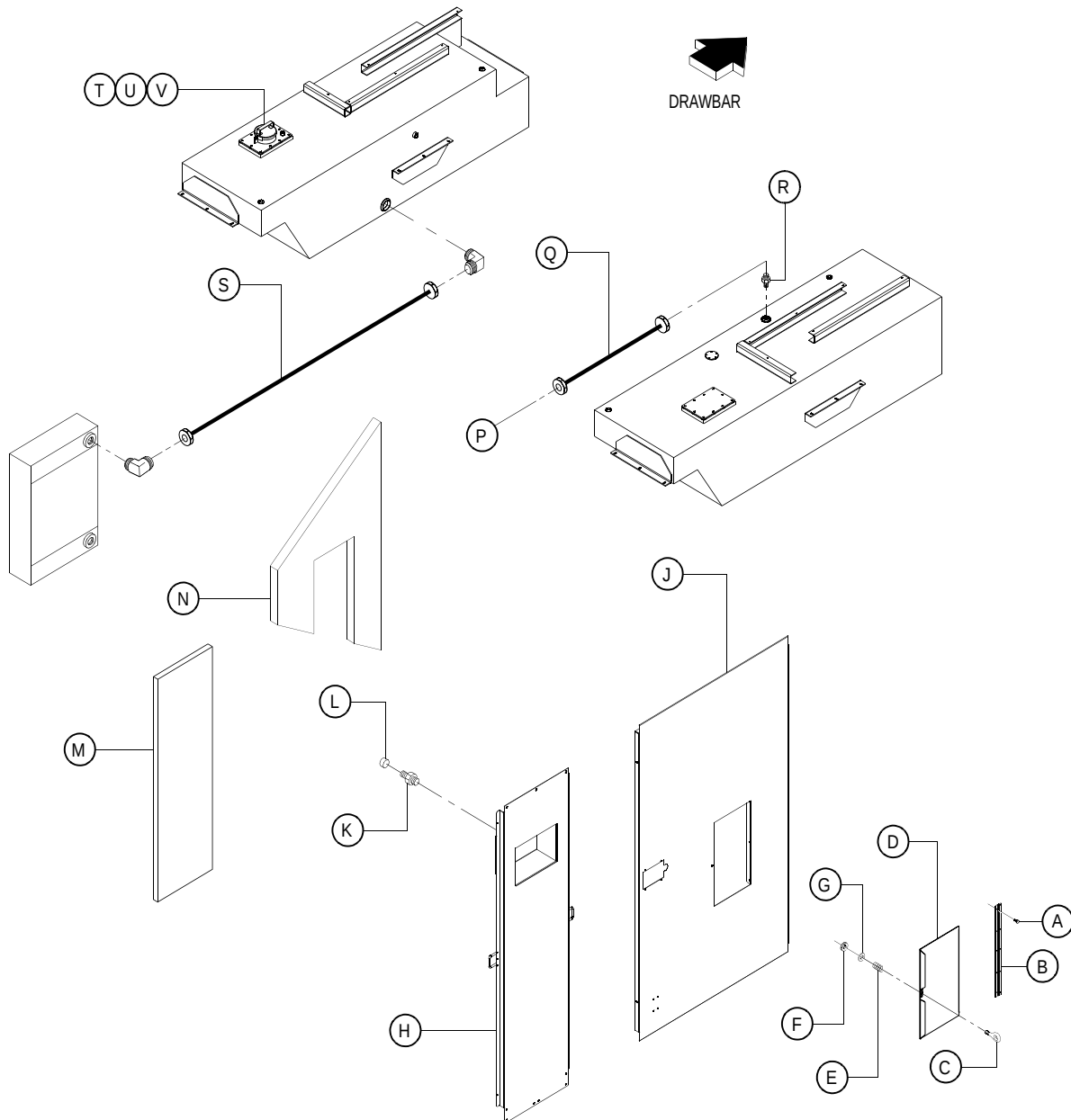
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279801	Elbow	1	
B	35305499	Hose Assembly	1	
C		Fuel Return on Engine	-	
D		Into Fuel filter on Engine	-	
E	22500607	Hose Assembly	1	
F	95279378	Connector	1	
G	22060156	Hose Assembly	1	
H	35309210	Elbow	1	
J	22062566	Cover, Fuel Tank Clean-out	1	
K	36845014	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



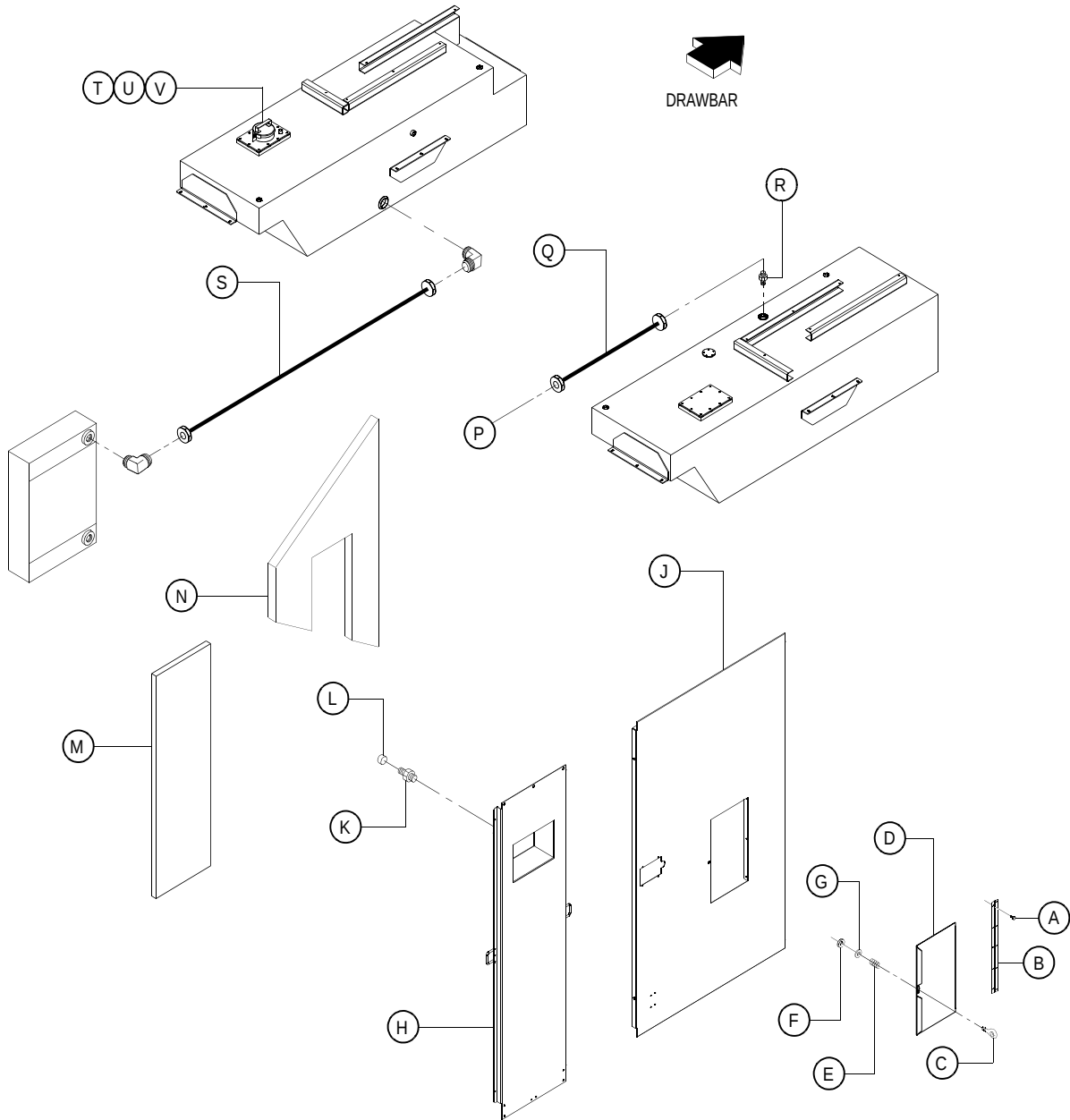
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279801	Elbow	1	
B	35305499	Hose Assembly	1	
C		Fuel Return on Engine	-	
D		Into Fuel filter on Engine	-	
E	35136548	Hose Assembly	1	
F	35286756	Elbow	1	
G	22060156	Hose Assembly	1	
H	35309210	Elbow	1	
J	22062566	Cover, Fuel Tank Clean-out	1	
K	36845014	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



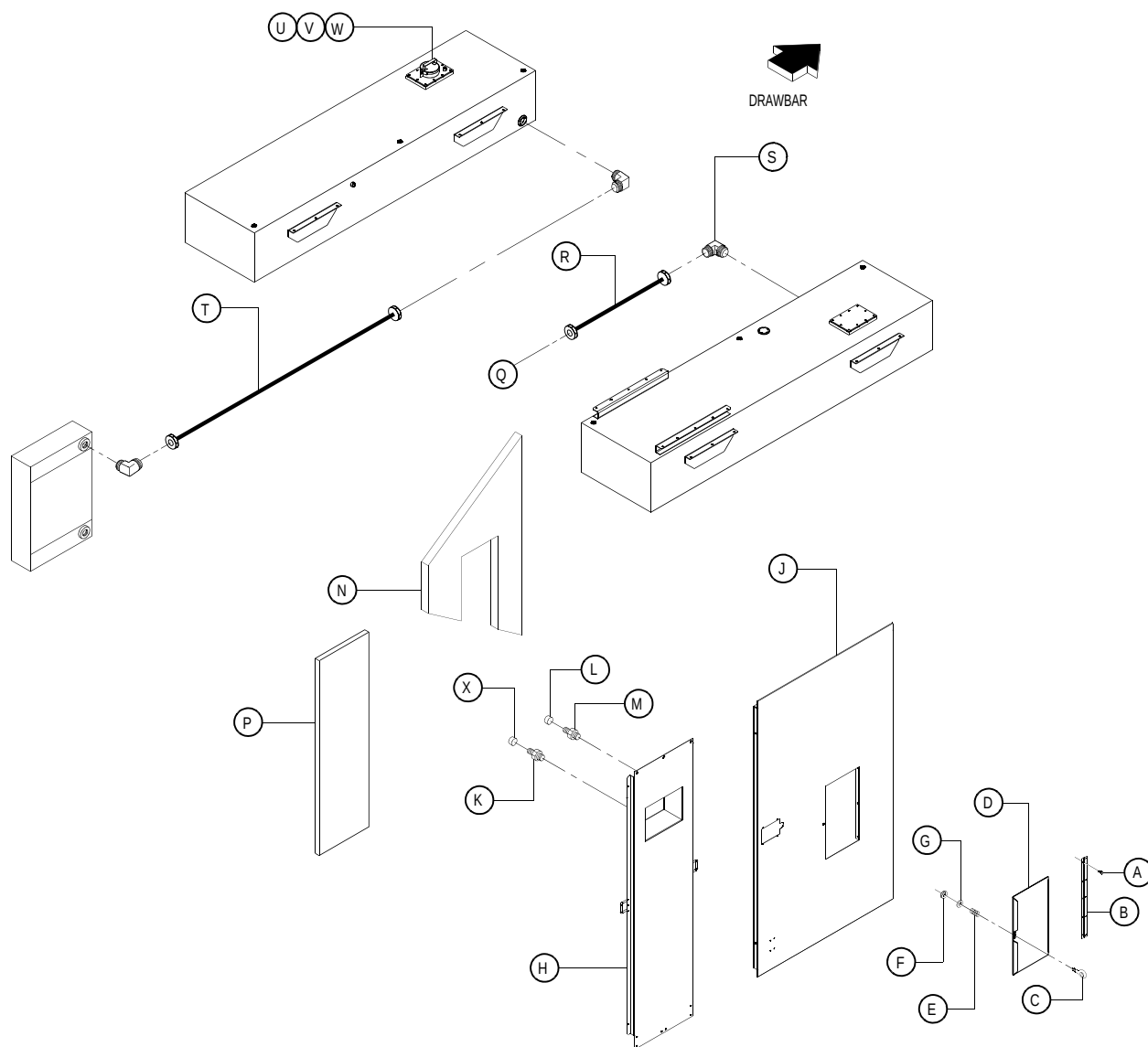
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	92368687	Screw	6	
B	36845733	Hinge	1	
C	35327303	Eyebolt	1	
D	36894467	Door, Fuel Fill	1	
E	35327311	Spring, Door Latch	1	
F	95923314	Nut	1	
G	95934998	Washer	2	
H	22501324	Panel, Center Side	1	
J	22331557	Door, Fuel Access Side	1	
K	35285451	Union	1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

High Speed Running Gear Remote Fill Fuel Piping



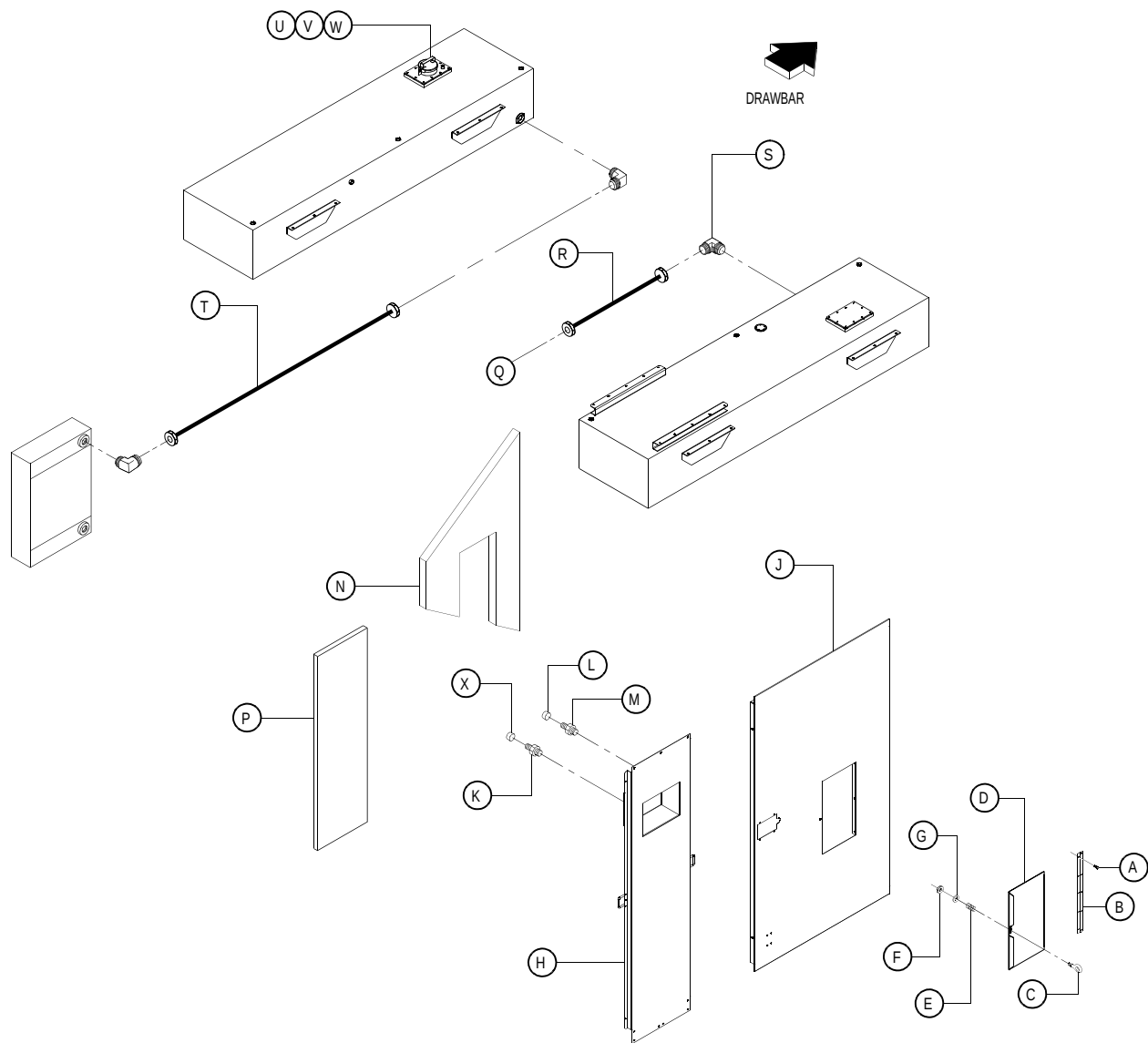
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	95730172	Cap	2	Continued
M	22332589	Foam, Center Panel	1	
N	22331839	Foam, Side Door	1	
P	-----	Into Fuel Filter on Engine		
Q	22500607	Hose Assembly	1	
R	95279378	Connector	1	
S	22060156	Hose Assembly	1	
T	35389972	Cover, Fuel Fill	1	
U	36845022	Strainer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

Wagonwheel Running Gear Remote Fill Fuel Piping



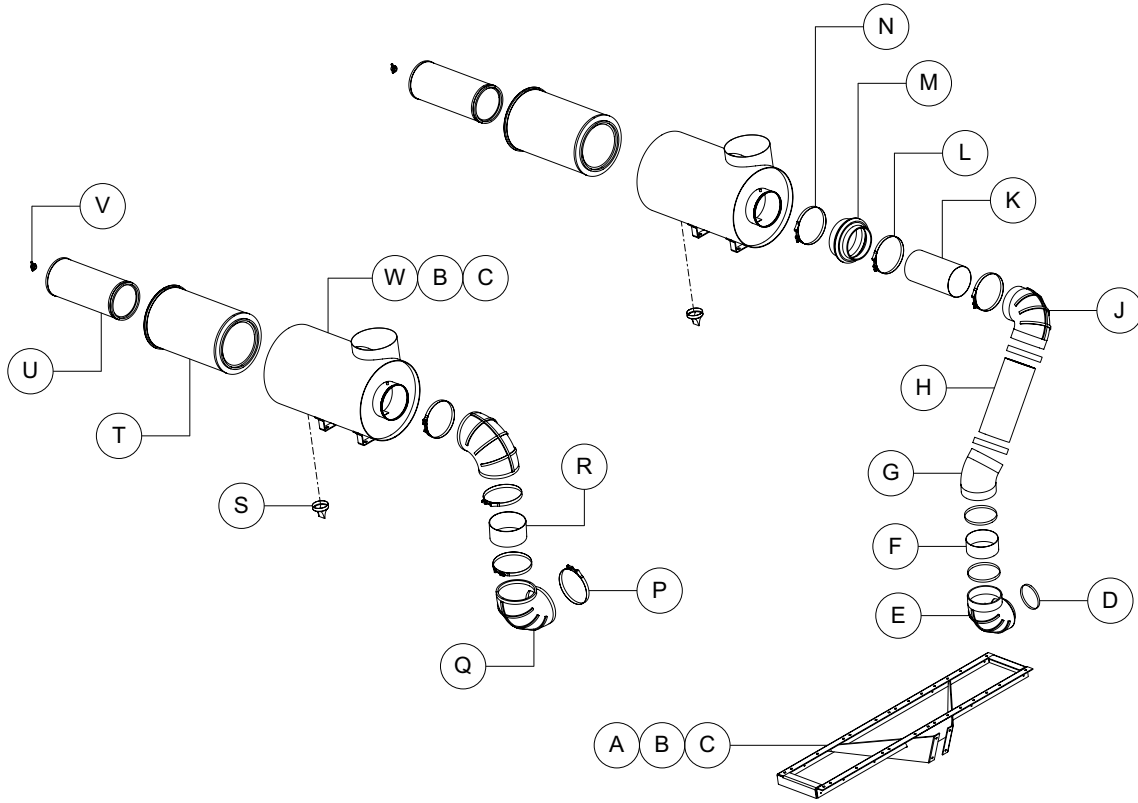
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	92368687	Screw	6	Continued.....
B	36845733	Hinge	1	
C	35327303	Eyebolt	1	
D	36894467	Door, Fuel Fill	1	
E	35327311	Spring, Door Latch	1	
F	95923314	Nut	1	
G	95934998	Washer	2	
H	22329544	Panel, Center Side	1	
J	22331557	Door, Fuel Access Side	1	
K	35285451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

Wagonwheel Running Gear Remote Fill Fuel Piping



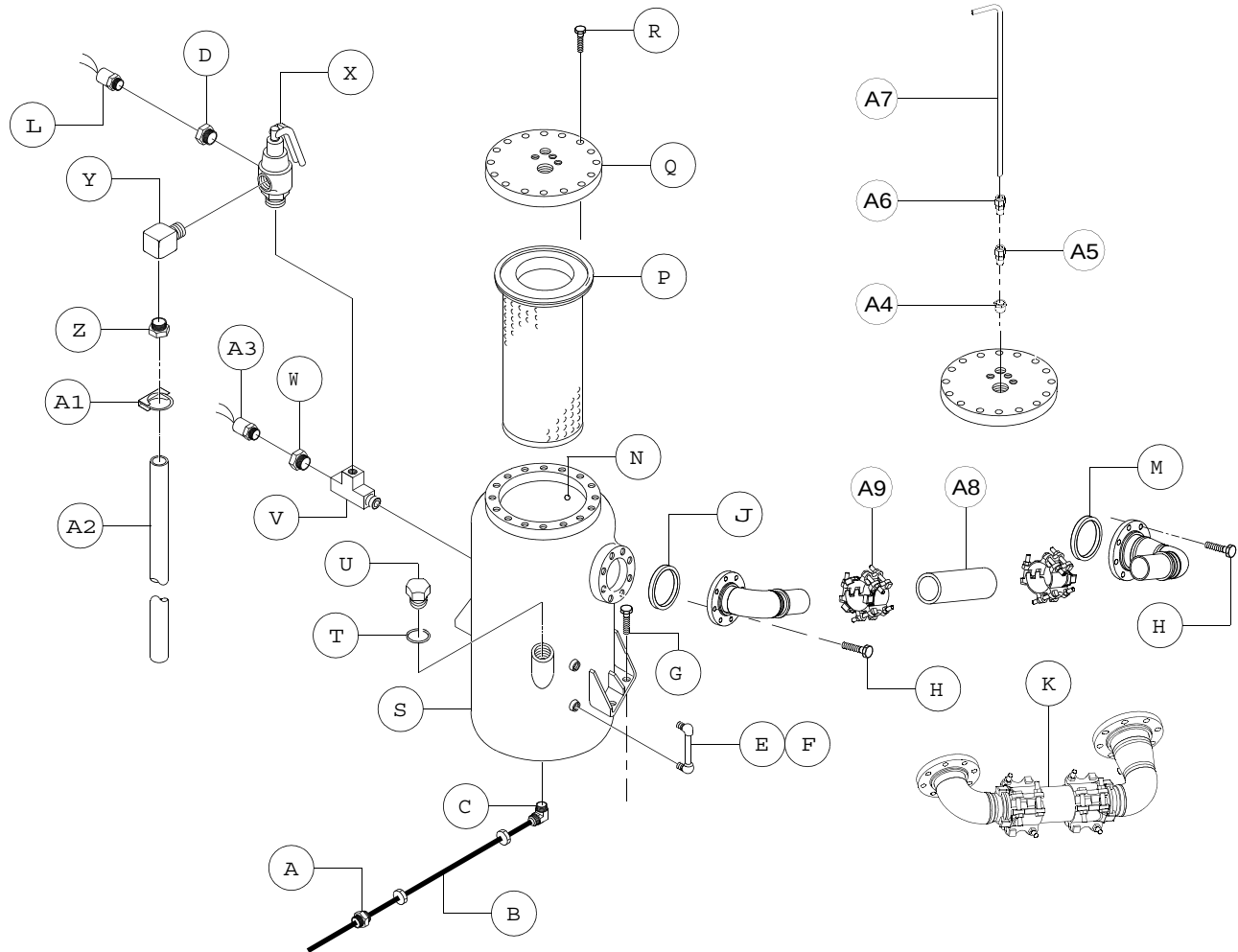
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	95332599	Connector, Bulkhead	1	Continued
N	22331839	Foam, Side Door	1	
P	22332589	Foam, Center Panel	1	
Q	-----	Into Fuel Filter on Engine	1	
R	35325083	Hose Assembly	1	
S	35286756	Elbow, 90	1	
T	22060149	Hose Assembly	1	
U	35389972	Cover, Fuel	1	
V	36845022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

Air Intake & Filters



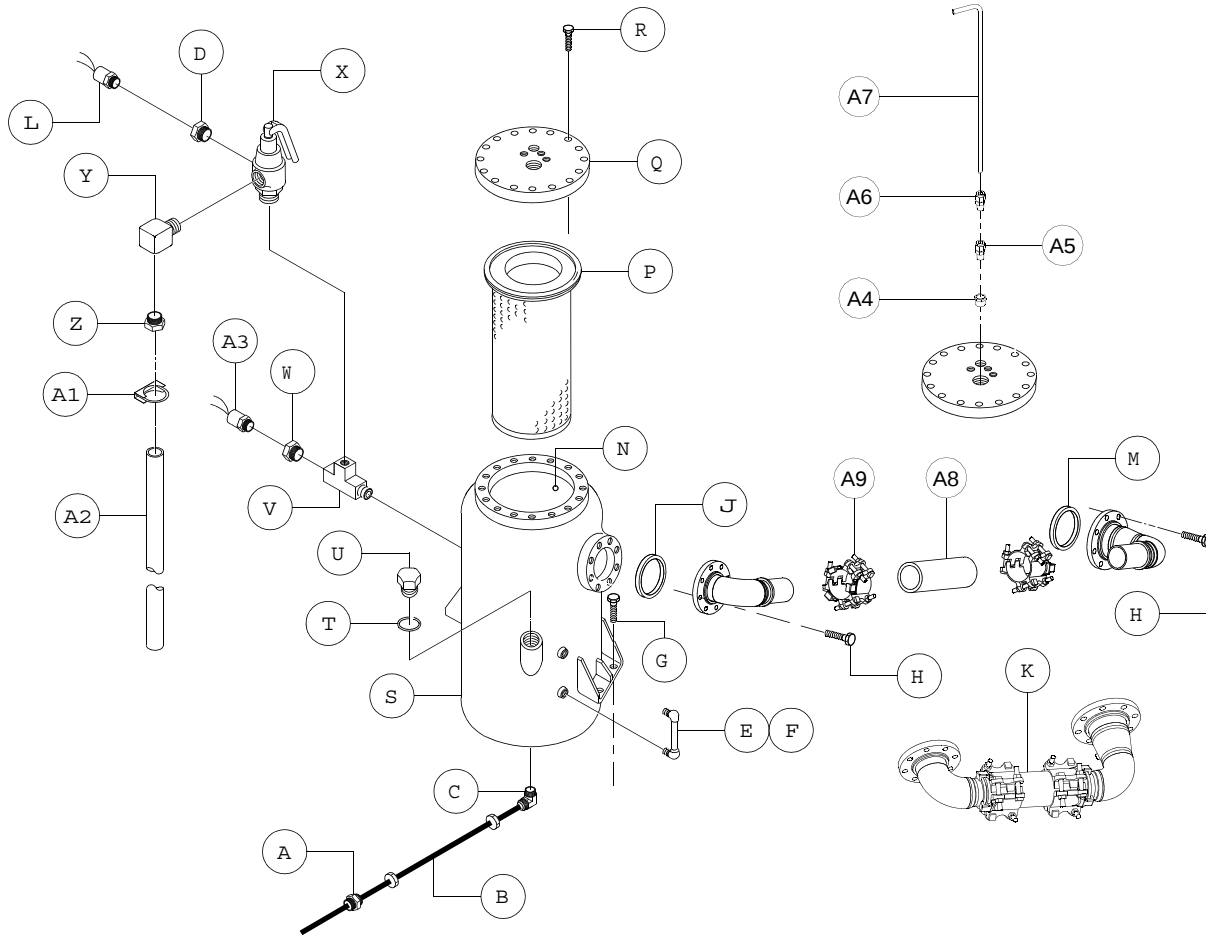
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36755163	Bracket, Air Cleaner	1	
B	36880995	Screw	12	
C	36879195	Nut	12	
D	35161025	Clamp	1	
E	54599956	Elbow, Rubber	1	
F	35112648	Tube	1	
G	36758902	Elbow Rubber	1	
H	35123272	Tube	1	
J	35112630	Elbow, Rubber	1	
K	35505866	Tube	1	
L	35119858	Clamp	8	
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



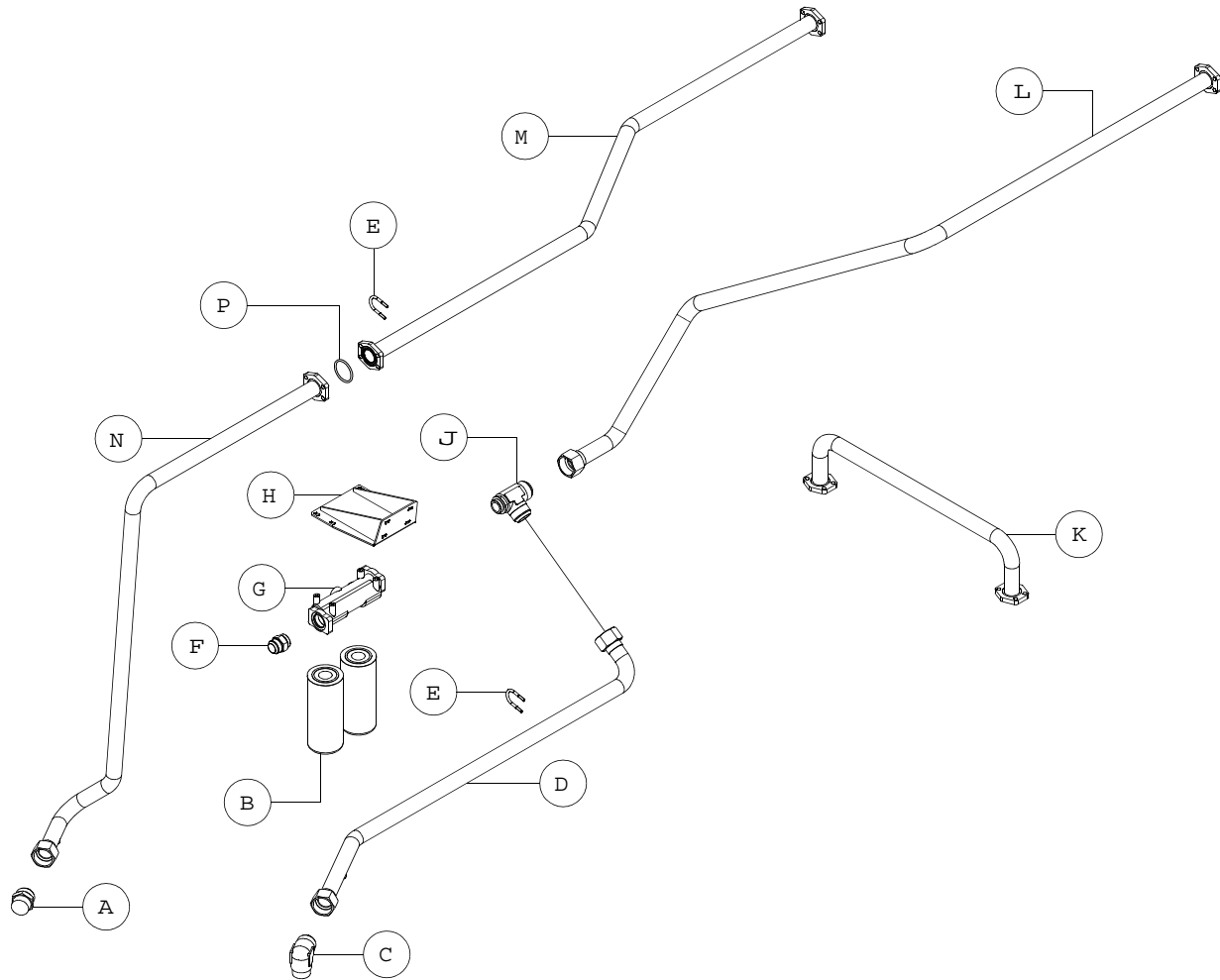
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95219747	Connector	1	
B	36878254	Hose Assembly	1	
C	35294750	Elbow	1	
D	36757581	Switch, Pressure	1	
E	22189831	Glass, Sight	1	
F	54627799	Elbow	2	
G	36879492	Screw	4	
H	36765121	Screw	16	
J	36856656	Gasket	1	
K	54612437	Discharge Hose Assembly	1	
L	95930301	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



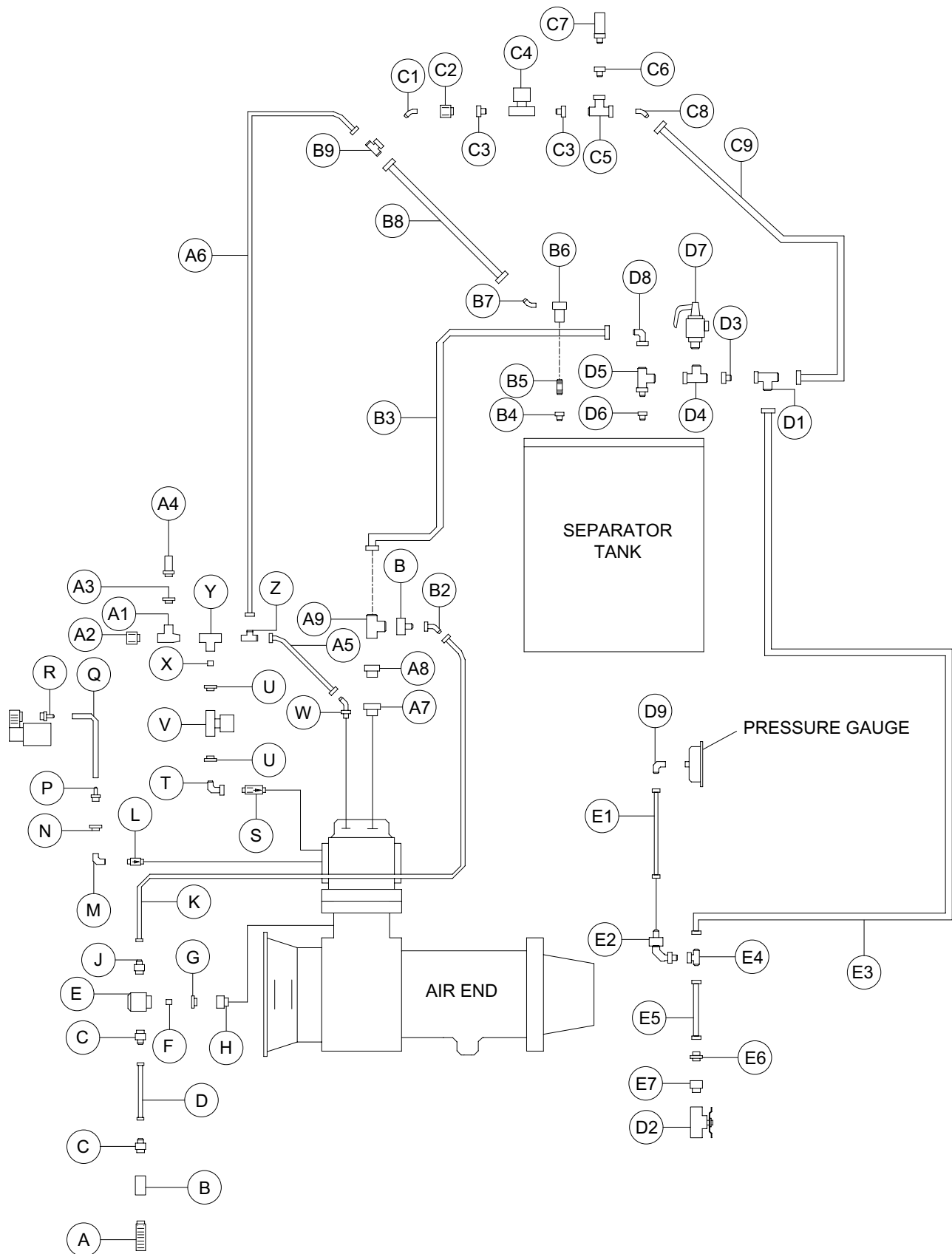
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	54612403	Tank, Separator	1	Continued
	22139026	Tank, Separator (Japanese)	1	
	22068811	Tank, Separator (EEC)	1	
T	35277797	O-Ring	1	
U	35802933	Plug, Oil Fill	1	
V	95954285	Tee	1	
W	95942108	Adapter	1	
X	36764371	Valve, Safety	1	
Y	95953311	Elbow	1	
Z	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	

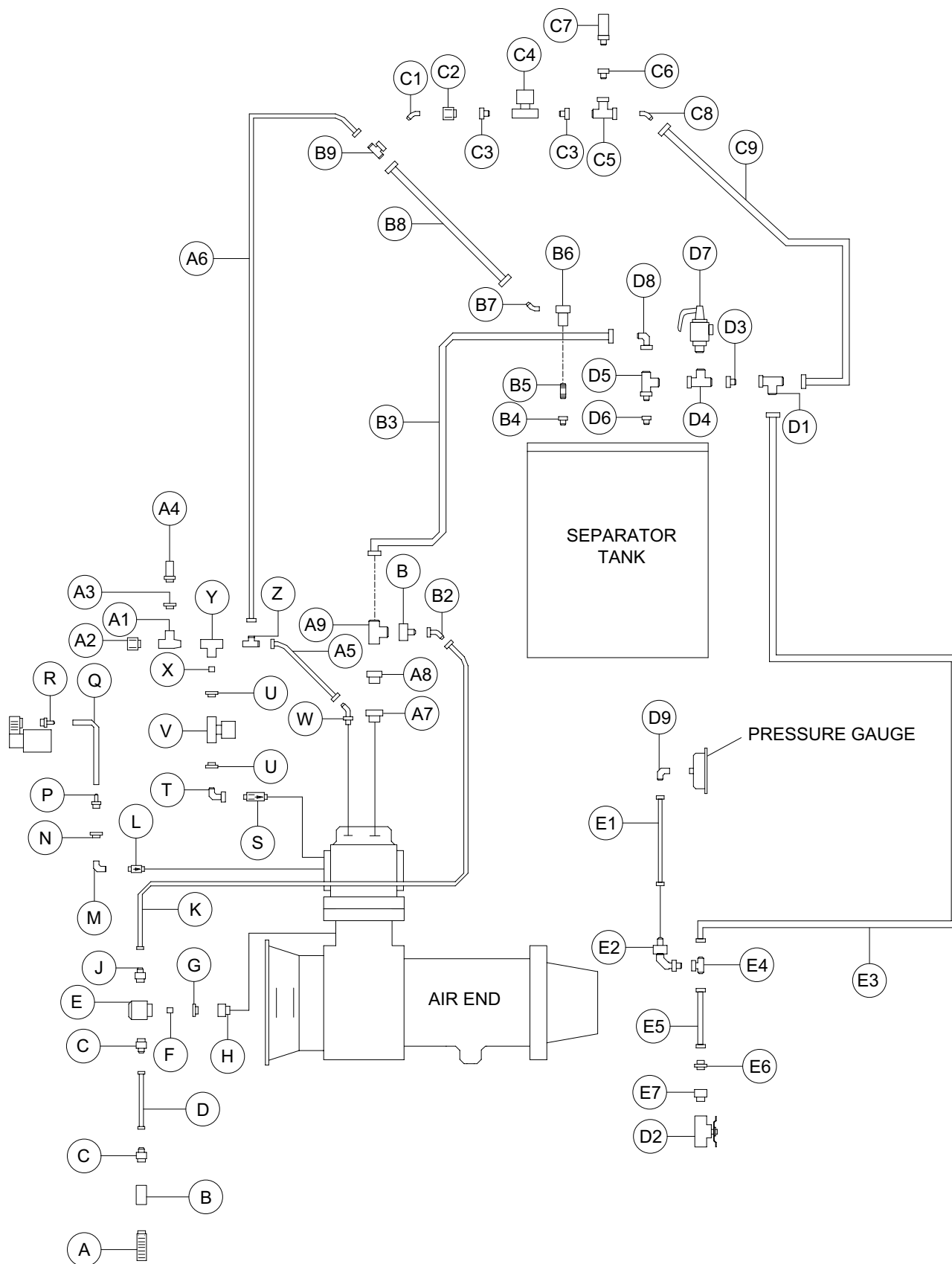
Air Piping



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		
				<i>Continued.....</i>

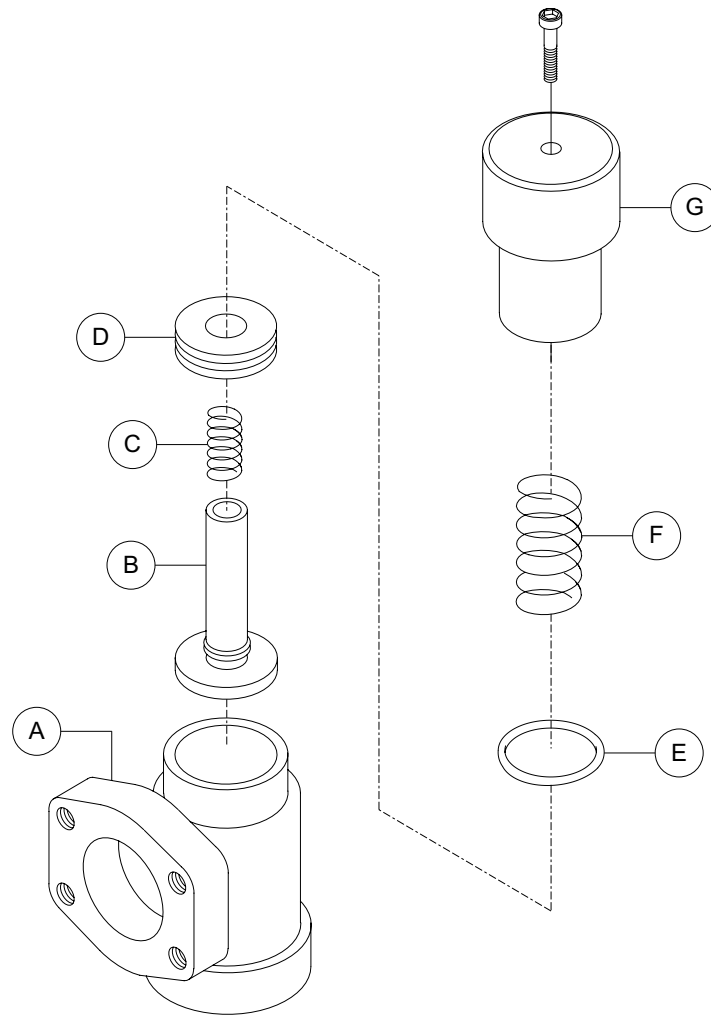
Air Piping



Air Piping

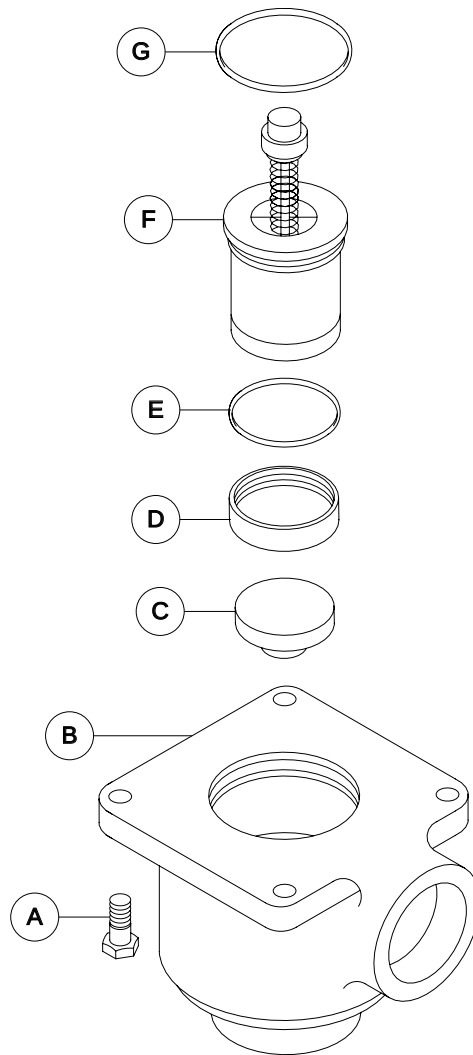
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
C1	35290253	Elbow		Continued
C2	35123124	Orifice		
C3	95940748	Bushing		
C4	36840841	Valve, Solenoid		
	36842086	Bracket, Top		
	36842094	Bracket, Bottom		
C5	95944690	Tee		
C6	95930301	Bushing		
C7	54496773	Reducer		
C8	35279934	Elbow		
C9	35282961	Hose 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		

Minimum Pressure Check Valve Assembly



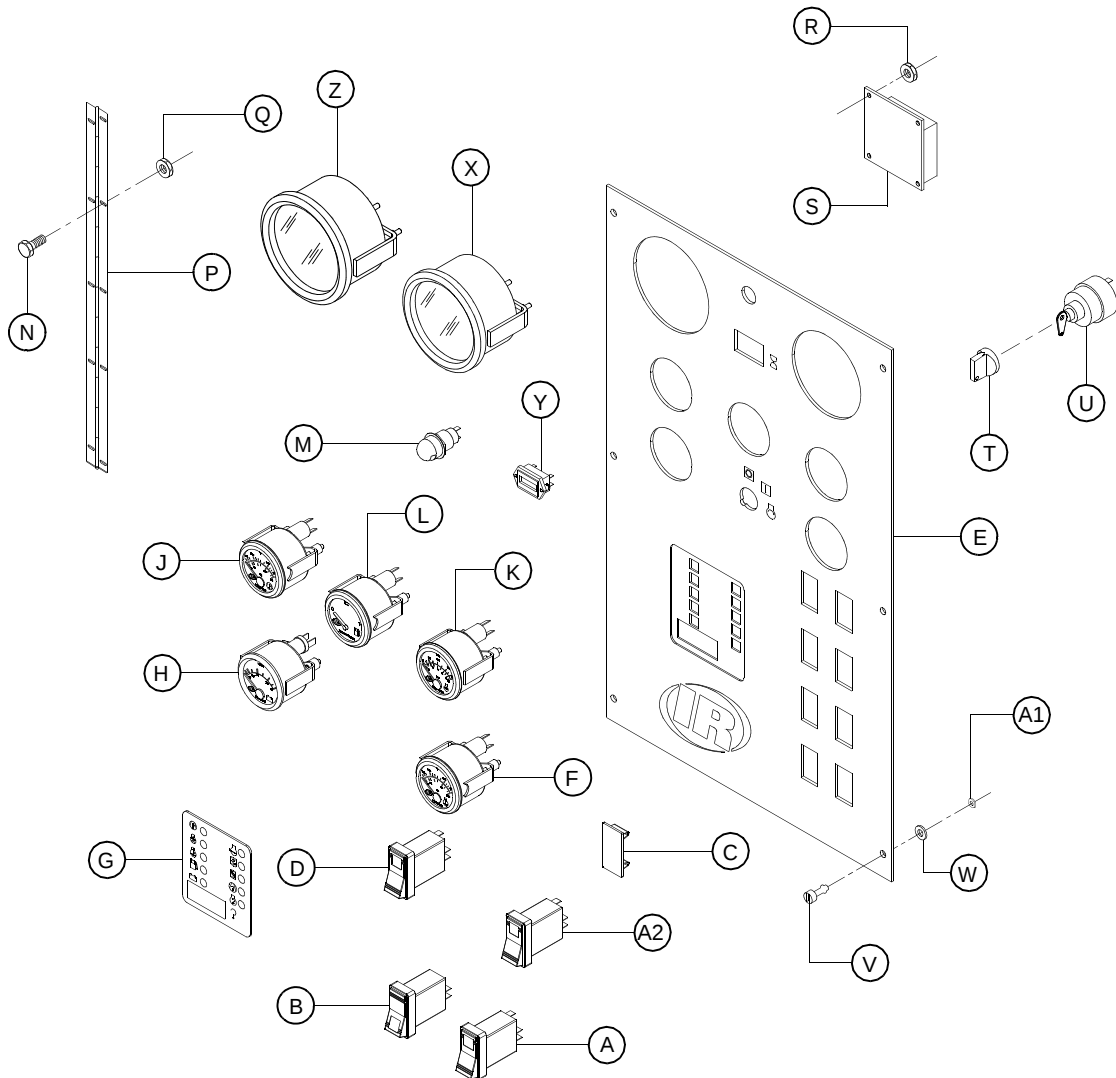
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54699731	Body, Check Valve	1	
B	36792380	Check Valve Assembly	1	
C	54699749	Spring, Check Valve	1	
D	36792927	Piston	1	
E	54699756	O-Ring	1	
F	36794790	Spring, Main	1	
G	36794808	Cap	1	

Oil Temperature By-Pass Valve Assembly



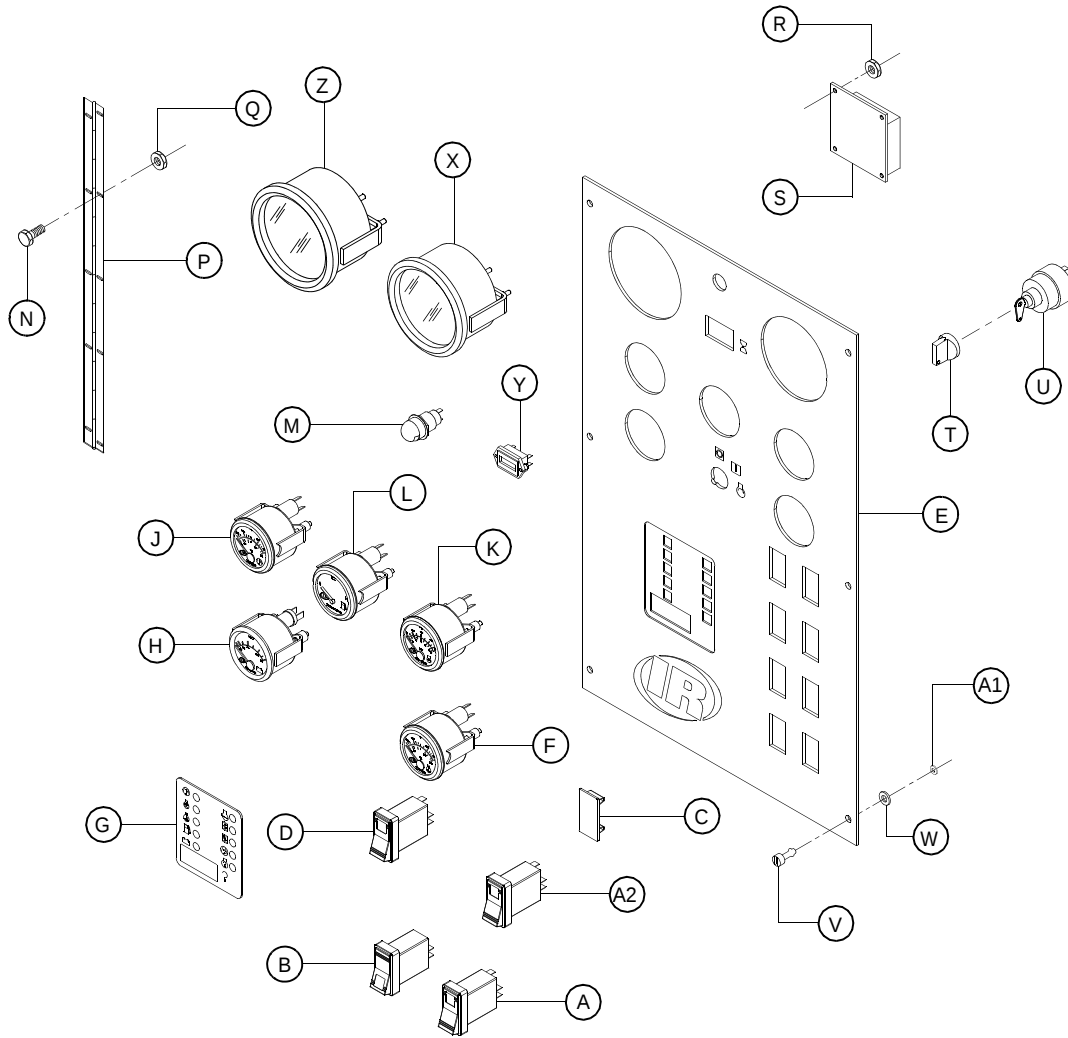
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96701917	Screw	4	
B	35307537	Body, Valve	1	
C	35307545	Seat, Valve	1	
D	35307552	Sleeve, Valve	1	
E	35307560	Seal, Valve	1	
F	22694640	Element, Valve	1	
G	35307586	Gasket, Valve	1	
	22711774	Oil Temp. By-pass Valve Assembly	1	
	22711766	Service Kit (Includes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

Instrument Panel Assembly



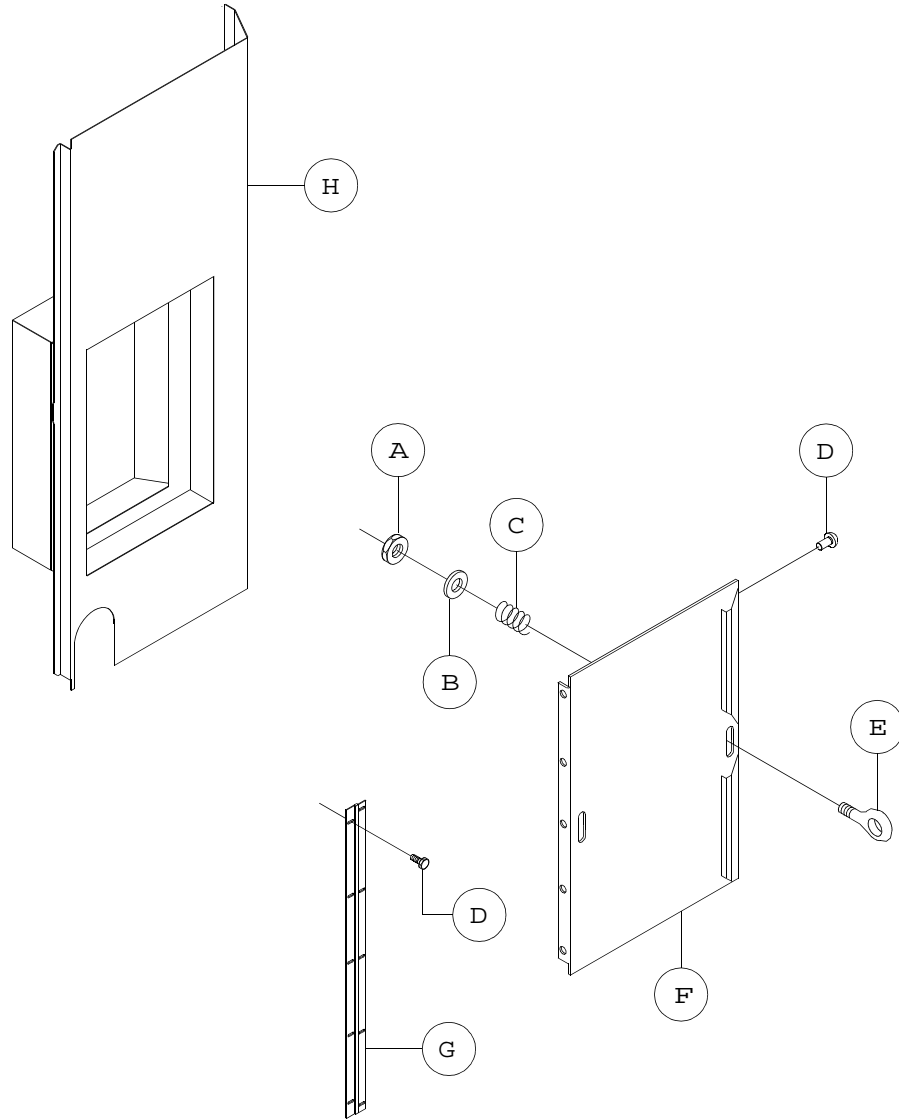
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22053896	Switch, Lamps	1	
B	22054050	Switch, Heater	1	
C	22054142	Plug, Switch	5	
D	22054076	Switch, After Warm-Up	1	
E	22105571	Panel, Instrument	1	
F	22277057	Gage, Engine Oil Pressure	1	
G	22055800	Overlay, Module	1	
H	22399349	Gage, Voltage	1	
J	22327266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

Instrument Panel Assembly



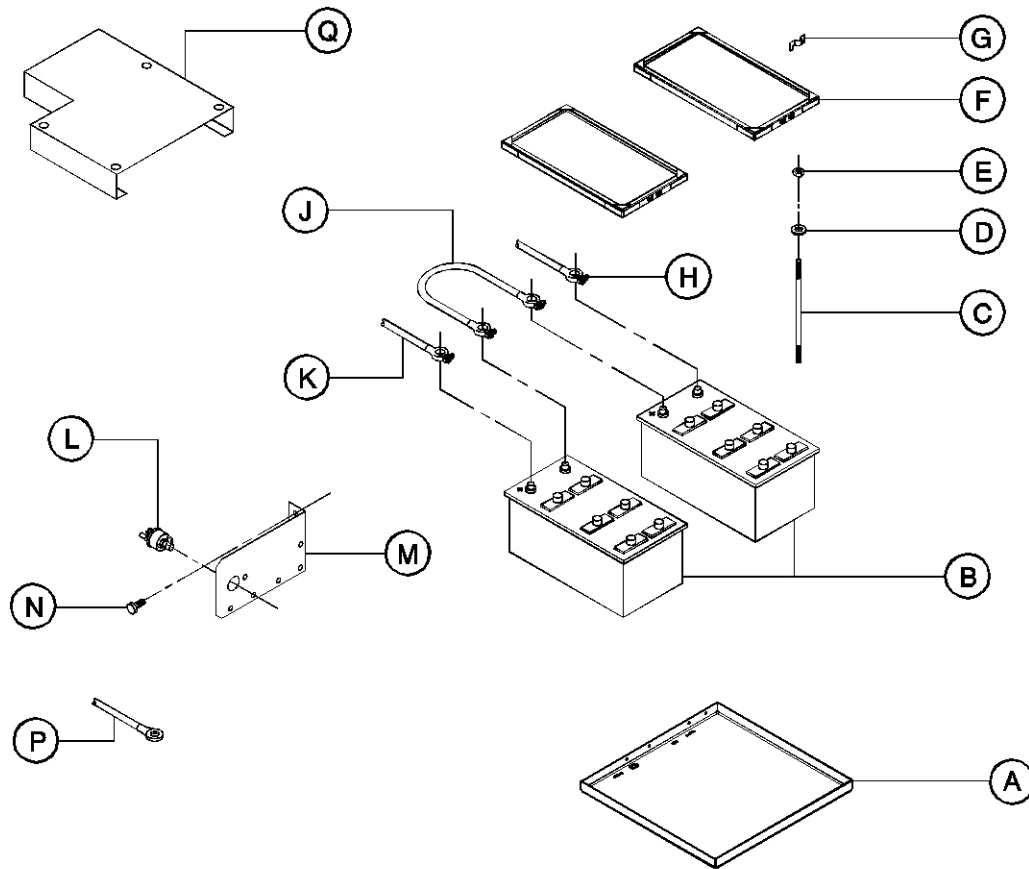
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22050991	Gage, Fuel Level	1	Continued
M	36852622	Light, Instrument Panel	1	
N	36898096	Screw	3	
P	36840908	Hinge	1	
Q	36898104	Nut	3	
R	95928800	Nut	4	
S	22173579	Module, Wedge	1	
T	22134118	Knob, Switch	1	
U	22127385	Switch, Starter	1	
V	36844124	Screw, Quarter Turn	6	
W	35314582	Receptacle	3	
X	22055883	Tachometer	1	
Y	54766704	Hourmeter	1	
Z	36840767	Gage, Discharge Pressure	1	
A1	35369180	Retainer	3	
A2	22054068	Switch, Ether	1	

Instrument Panel Assembly



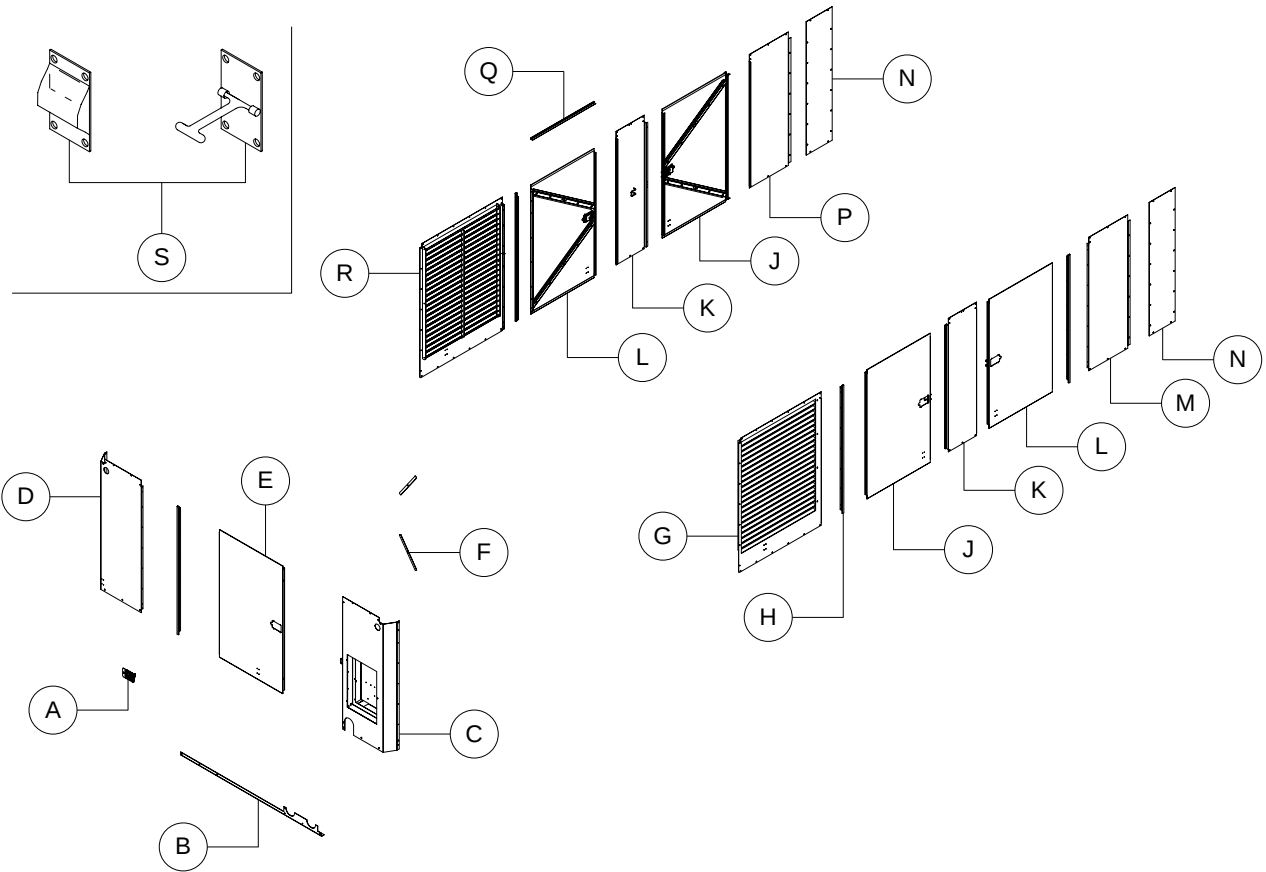
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95923314	Nut	2	
B	95934998	Washer	2	
C	35327311	Spring	2	
D	92368687	Screw	7	
E	35327303	Eyebolt	2	
F	22471882	Door, Instrument Panel	1	
G	36740405	Hinge	1	
H	22471890	Panel, Vertical	1	

Battery & Mounting



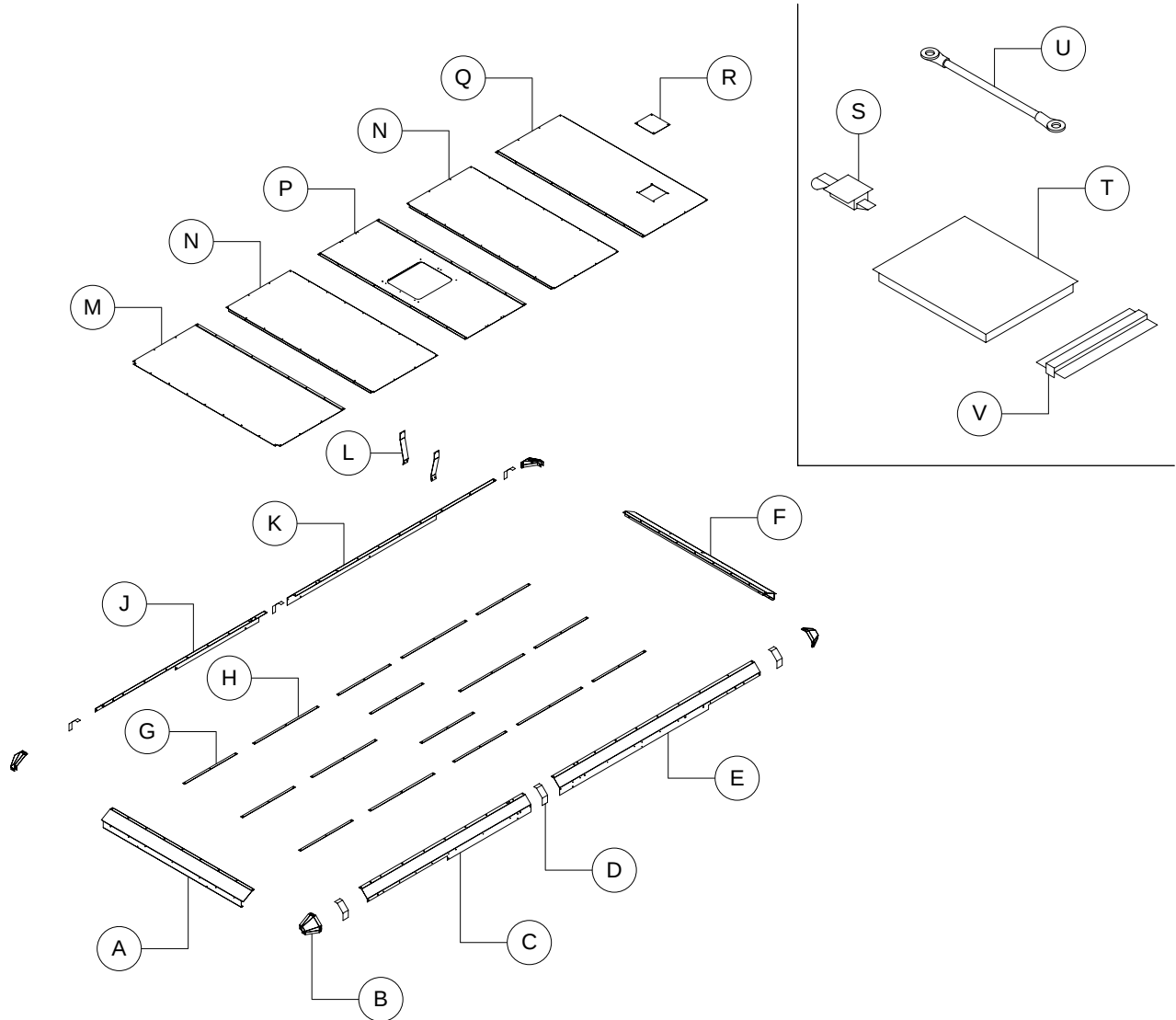
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36870350	Tray, Battery	1	
B	35225788	Battery	2	
C	54715479	Stud	4	
D	95935037	Washer	8	
E	95923322	Nut	8	
F	35562156	Frame	2	
G	35108216	Clip	4	
H	36780609	Cable, Negative	1	
J	35128982	Cable, Jumper	1	
K	54765375	Cable, Positive	1	
L	36896975	Switch, Master Cut-Off	1	
M	54737400	Bracket, Switch	1	
N	35279025	Screw	2	
P	54765383	Cable, Master Switch	1	
Q	54706825	Cover, Battery	1	
	35578194	Ground Strap From Starter	1	
	35293075	Ground Strap To RH of Engine	1	

Common Enclosure Assembly



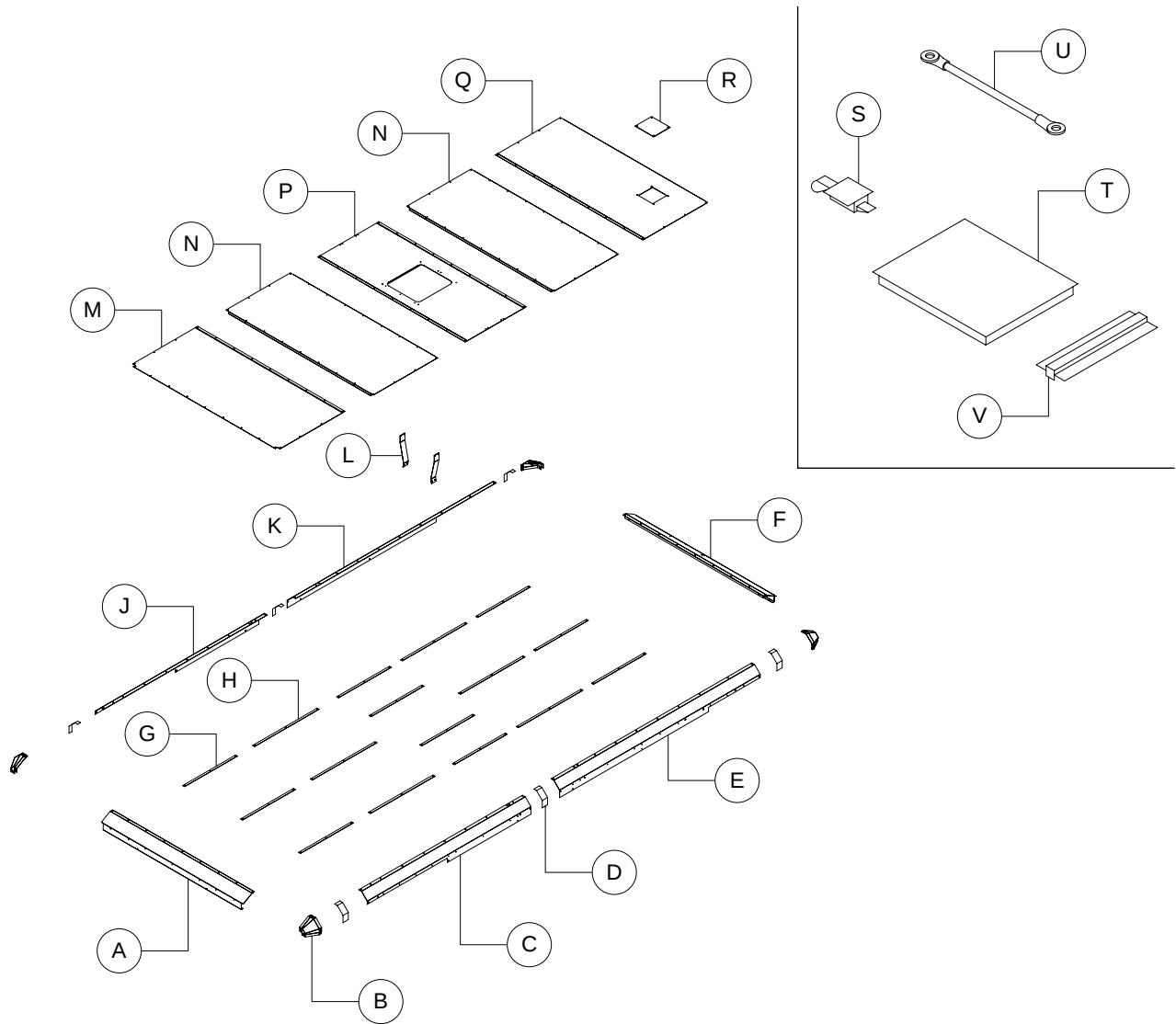
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36793602	Latch, Door Slam	5	
B	54576871	Brace, Front Panel	1	
C	22471890	Panel, LH Front	1	
	22475560	Panel, LH Front (IQ Units)	1	
D	54576947	Panel, RH Front	1	
	22055750	Panel, RH Front (IQ Units)	1	
E	36863363	Door, Front	1	
F	54718184	Brace, Front	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



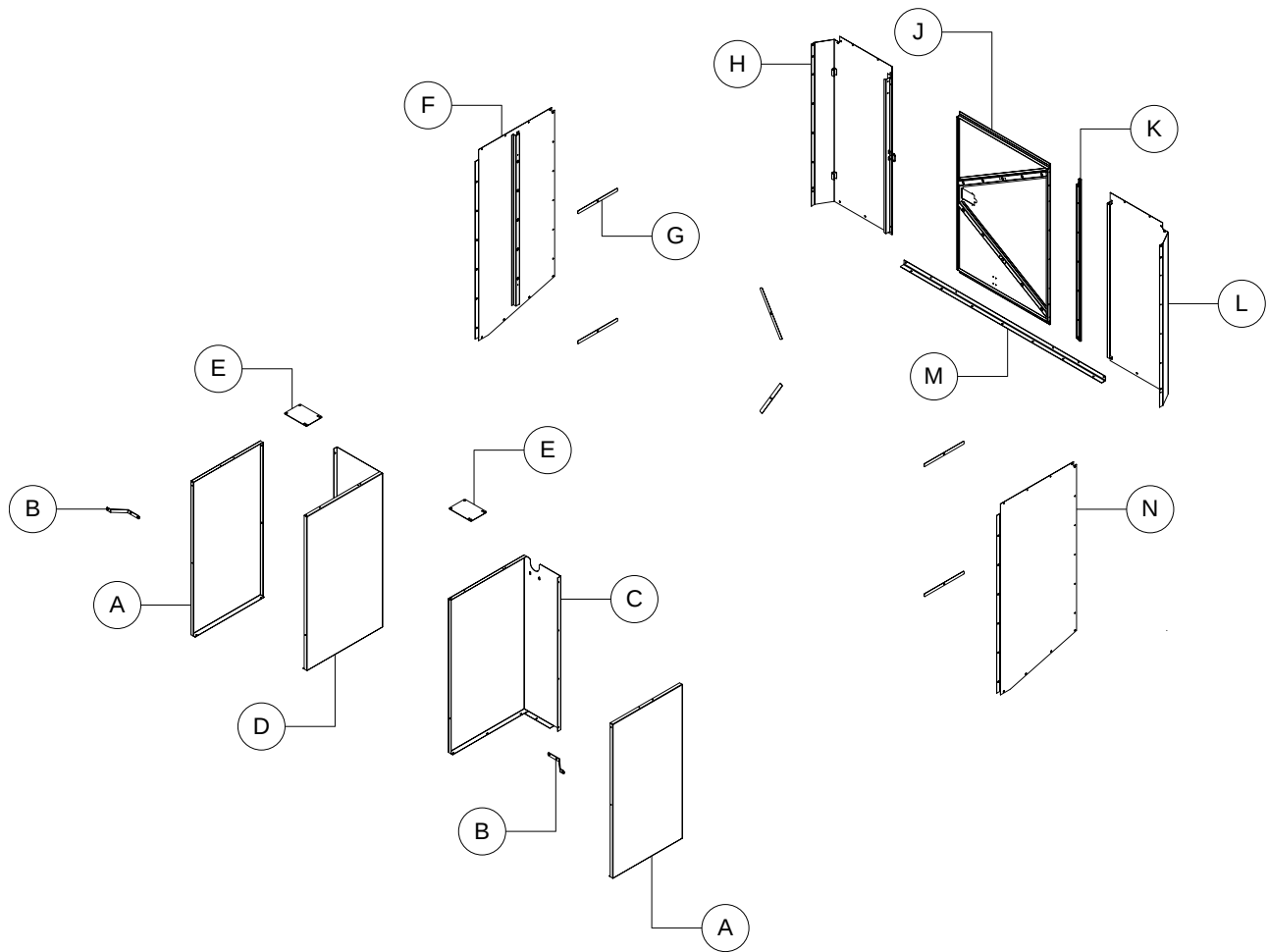
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54576970	Cap, Front End	1	Continued.....
B	36755981	Cap, Corner	4	
C	54690110	Cap, LH Front Side	1	
D	36755742	Bracket, Filler	6	
E	54690128	Cap, LH Rear Side	1	
F	54584784	Cap, Rear End	1	
G	54747316	Brace, Top Foam	8	
H	54747324	Brace, Top Foam	8	
J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

Top Enclosure Assembly



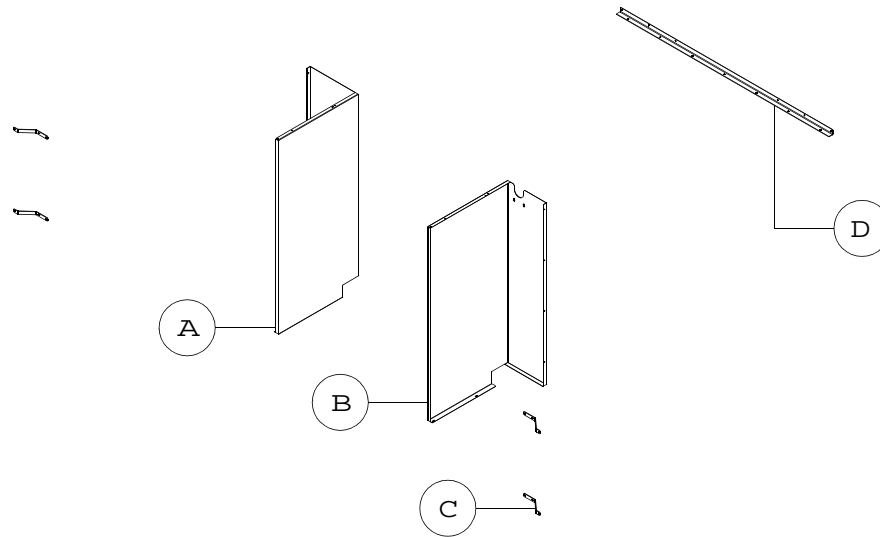
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	54599915	Panel, Front Top	1	Continued
N	54599923	Panel, 2nd and 4th Top	1	
P	54599931	Panel, Center Top	1	
Q	54599949	Panel, Rear Top	1	
R	54690136	Plate, Radiator Fill	1	
S	35131051	Latch, Door	1	
T	36864403	Door, Roof	1	
U	36864304	Cable	1	
V	36864288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

Fast Track Enclosure



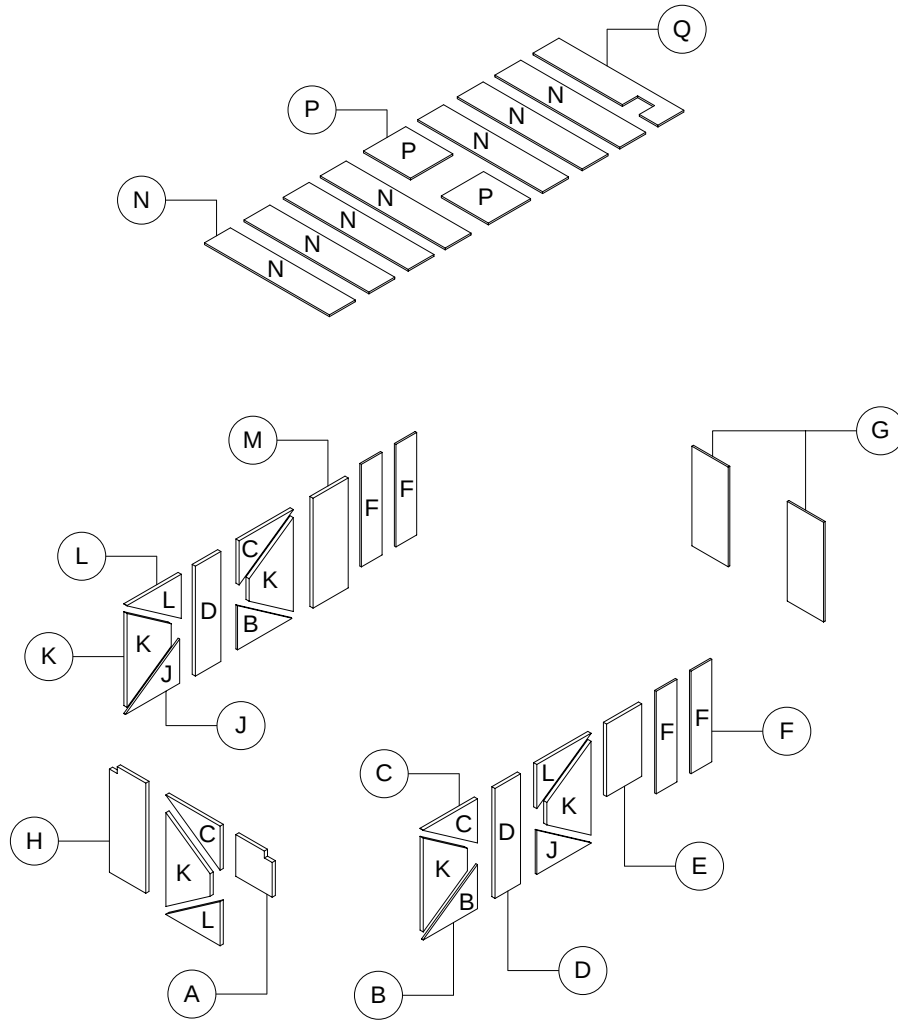
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54640982	Baffle, LH Outside	1	
B	54641022	Strip, Support	1	
C	54640966	Baffle, LH Inside	1	
D	54640974	Baffle, RH Inside	1	
E	54641006	Plate, Tie	1	
F	54672761	Panel, RH Rear	1	
G	54718184	Strip, Foam Retention	6	
H	54663299	Panel, RH Rear Corner	1	
J	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



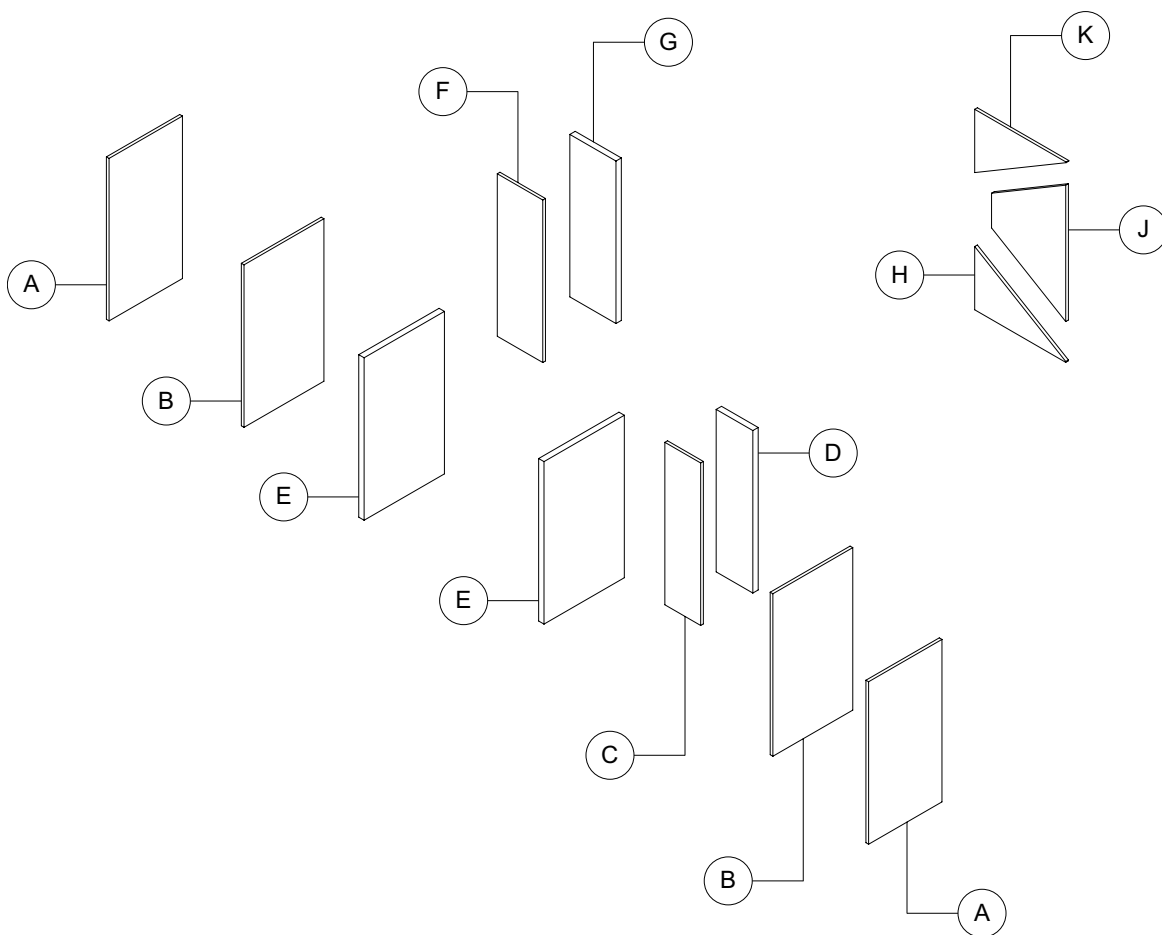
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54688239	Baffle, RH	1	
B	54688221	Baffle, LH	1	
C	54641022	Support, Baffle	4	
D	54576921	Angle, Rear Mounting	1	

Common Foam



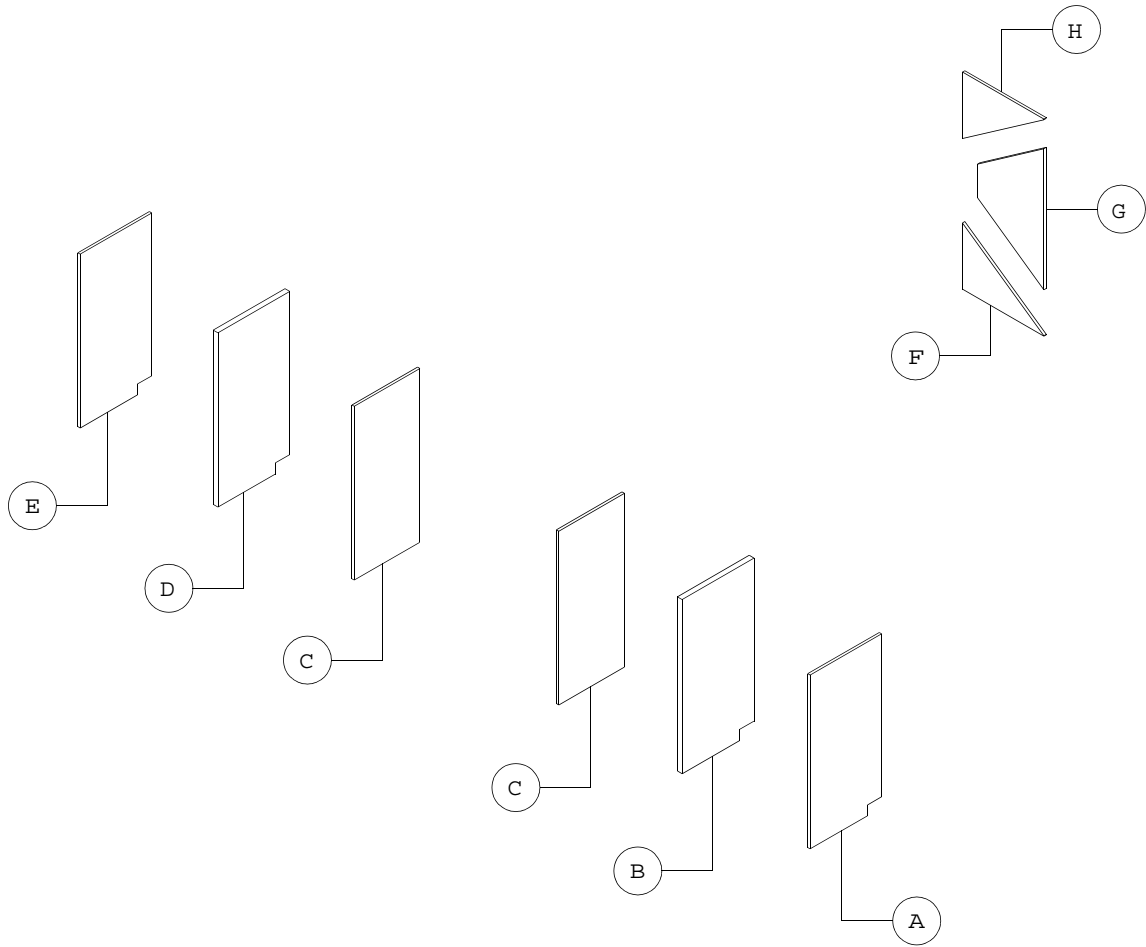
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54721204	Foam, LH Front Top	1	
B	54719703	Foam, Door	2	
C	54719711	Foam, Door	3	
D	54719646	Foam, Center Panel	2	
E	54719695	Foam, LH Side	1	
F	54759519	Foam, RH/LH Rear Side	4	
G	54759527	Foam, Rear	2	
H	54721675	Foam, RH Front	1	
J	54720065	Foam, Door	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			

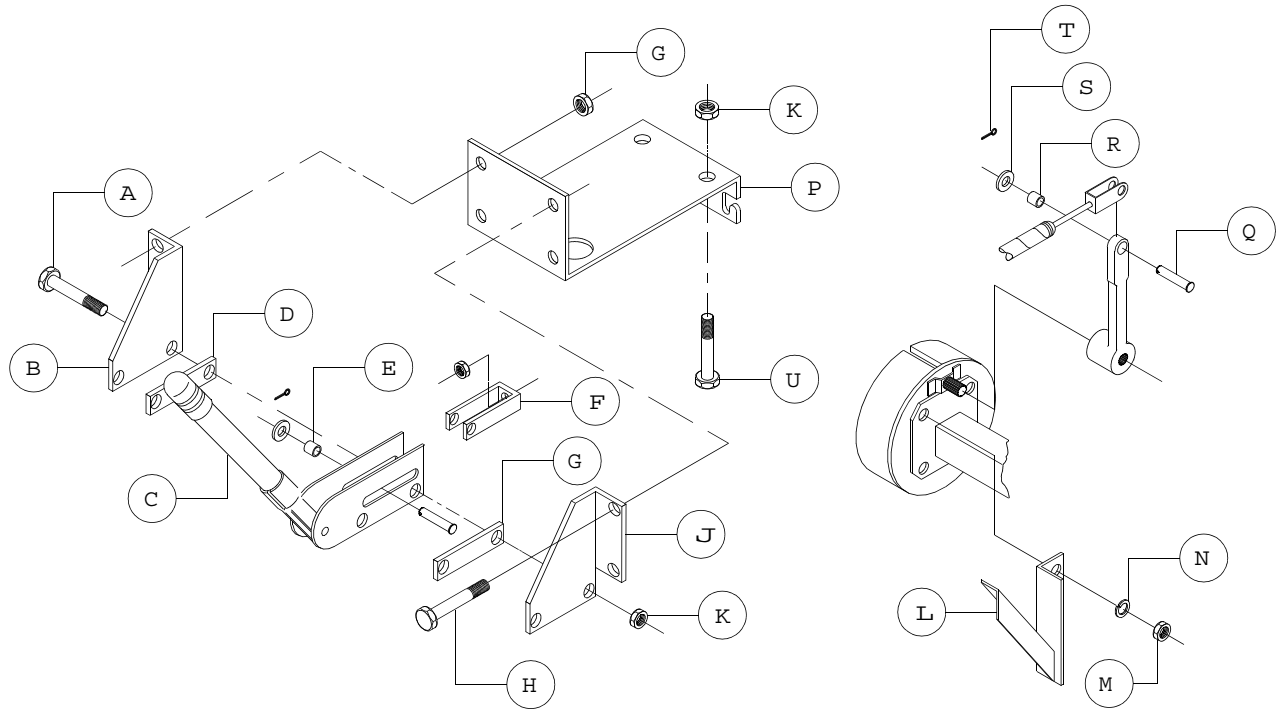
IQ OPTION

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

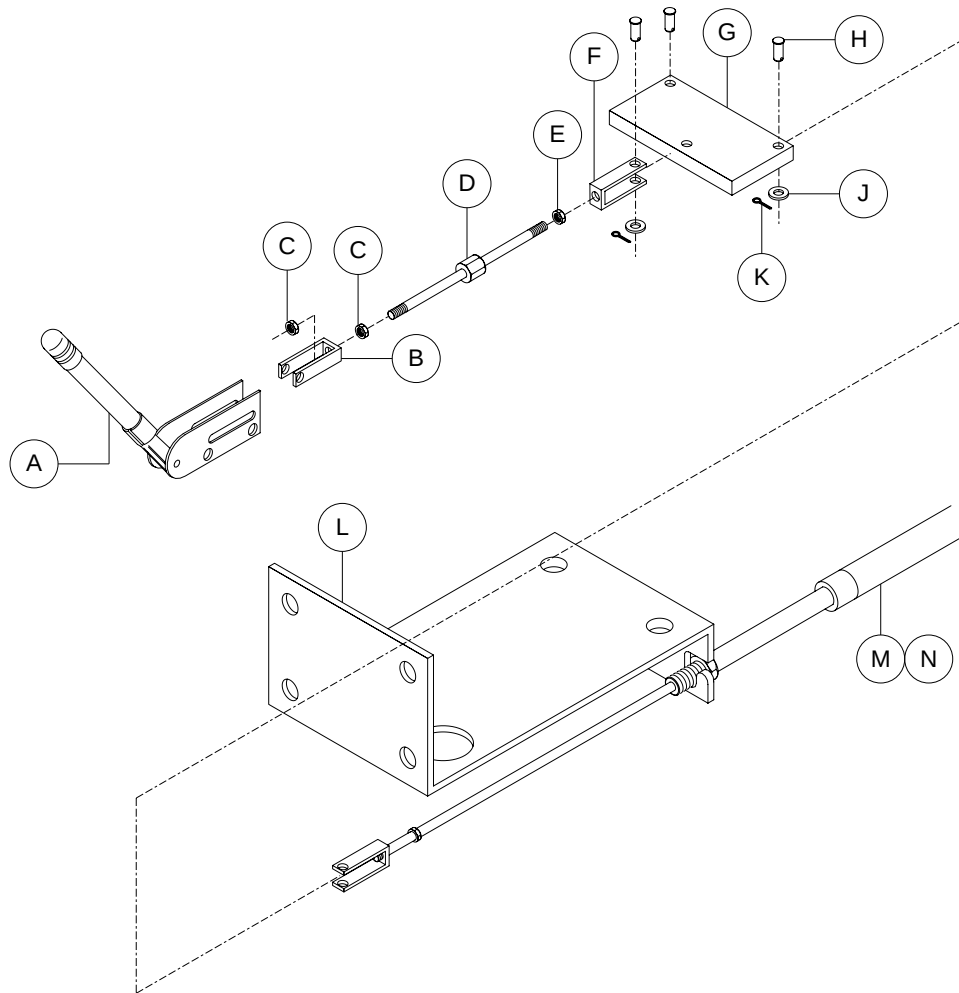
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	36851533	Bracket, Pressure Switch	1	
	36880995	Screw (Attach Bracket)	2	
	36879195	Nut (Attach Bracket)	2	
	54464607	AC Powered Cold Start Assy.	1	
	54464664	Harness, Pressure Switch	1	
	54480298	Well, Thermostat	1	
	54464623	Heater, Oil Pan	1	
	36920346	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



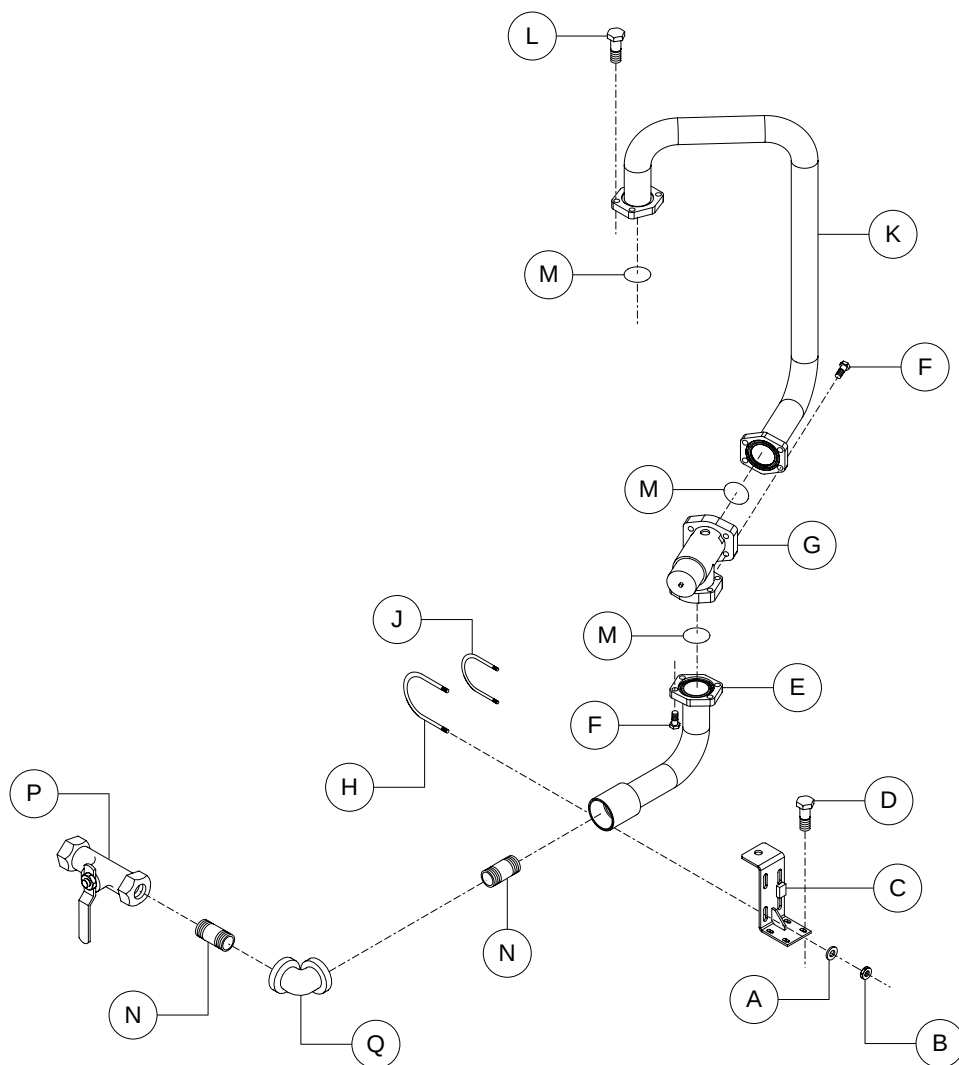
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95941100	Screw	2	
B	36847432	Bracket, RH Lever	1	
C	36782878	Lever, Brake	1	
D	35603224	Plate, Spacer	2	
E		Furnished with Lever	2	
F	35603208	Clevis, Brake Lever	1	
G	35252618	Nut	4	
H	36877793	Screw	4	
J	36847440	Bracket, LH Lever	1	
K	35145077	Nut	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



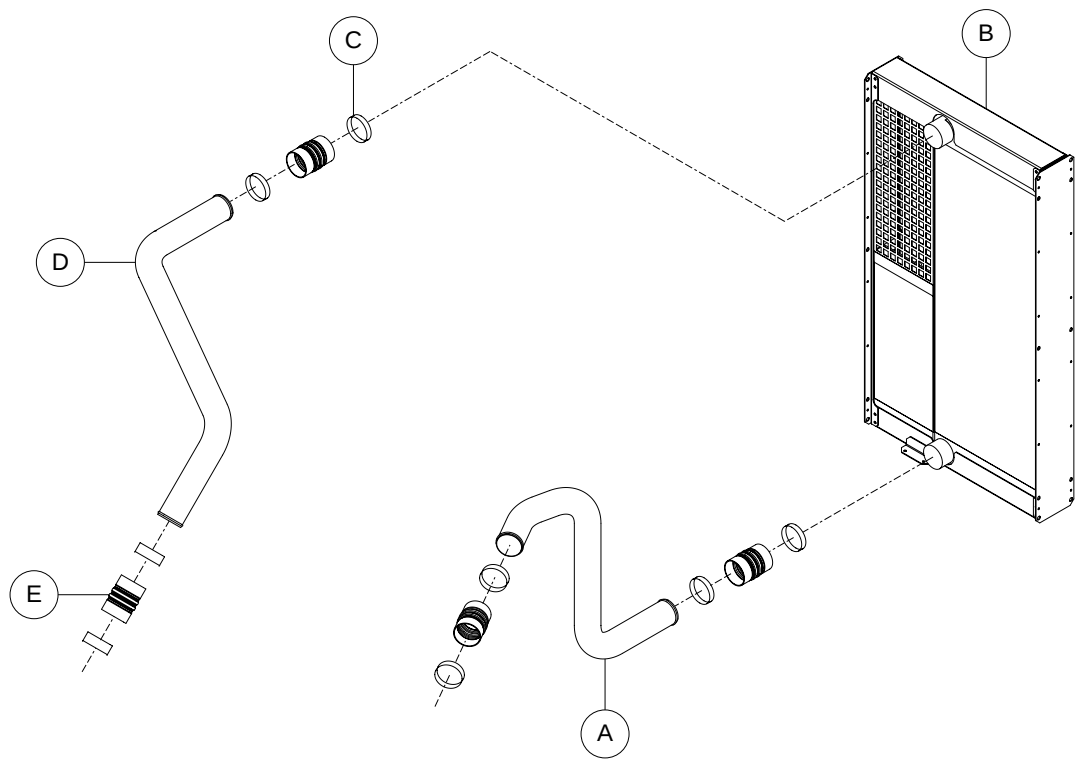
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36782878	Lever, Brake	1	
B	35603208	Clevis, Brake Lever	1	
C	35118728	Nut	2	
D	35603182	Rod, Link	1	
E	95935086	Nut	2	
F	35603216	Equalizer, Clevis	1	
G	35602846	Equalizer, Cable	1	
H	35357151	Pin, Clevis	3	
J	95934998	Washer	3	
K	95928867	Pin, Cotter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

Separator Air Piping



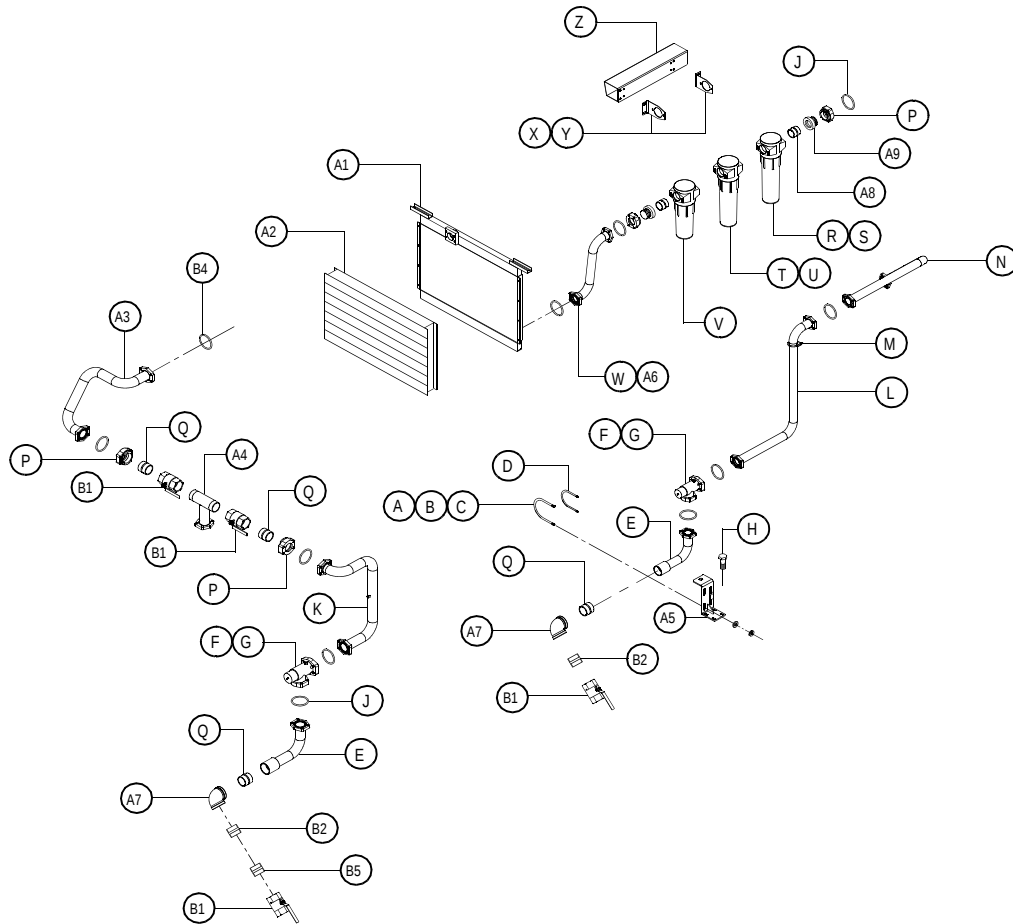
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95935003	Washer	4	
B	95922902	Nut	4	
C	54668314	Support, Pipe	1	
D	35130293	Screw	4	
E	36898120	Pipe	1	
F	95927273	Screw	8	
G	54642152	Valve, Minimum Pressure	1	
H	36799419	Clamp	1	
J	35586288	Clamp	1	
K	54642137	Pipe	1	
L	95929089	Screw	4	
M	95358040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

Charge Air Piping



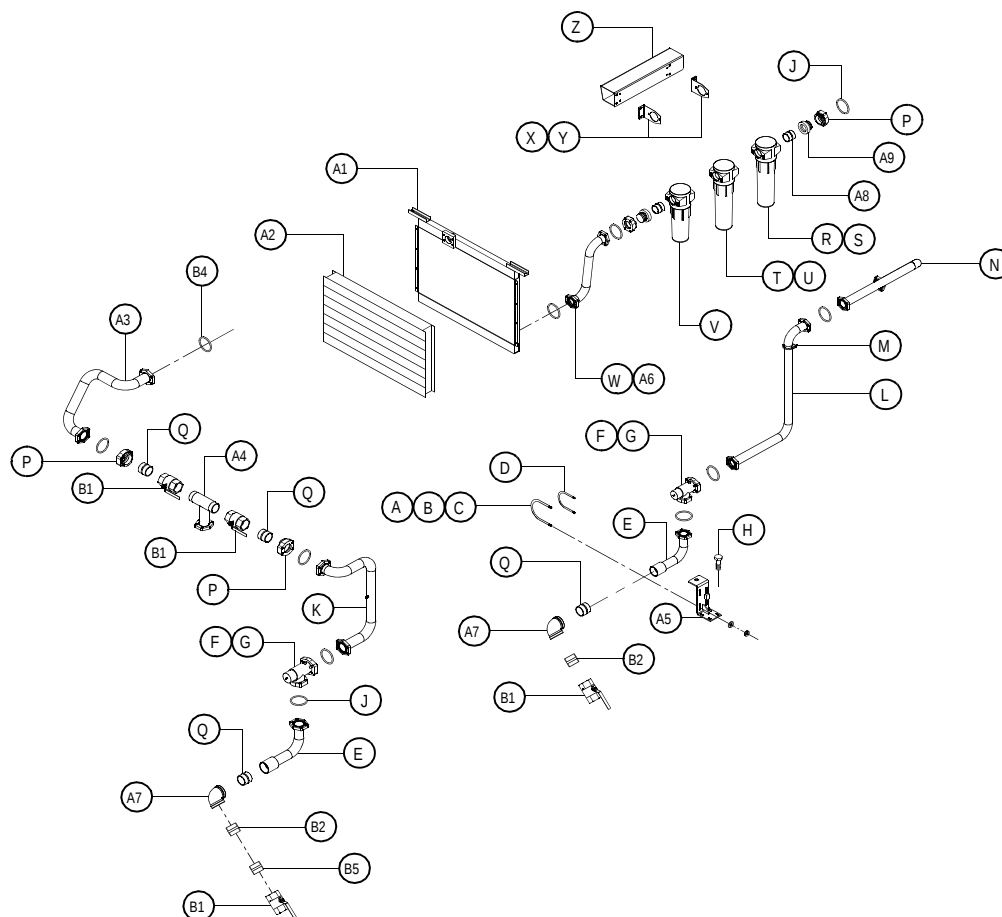
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54632690	Tube, Bottom A/C	1	
B	54501846	Cooler, Air Charge	1	
C	54444427	Clamp	8	
D	54632682	Tube, Upper A/C	1	
E	54422522	Hose, Ribbed	4	

IQ Air Piping (Option)



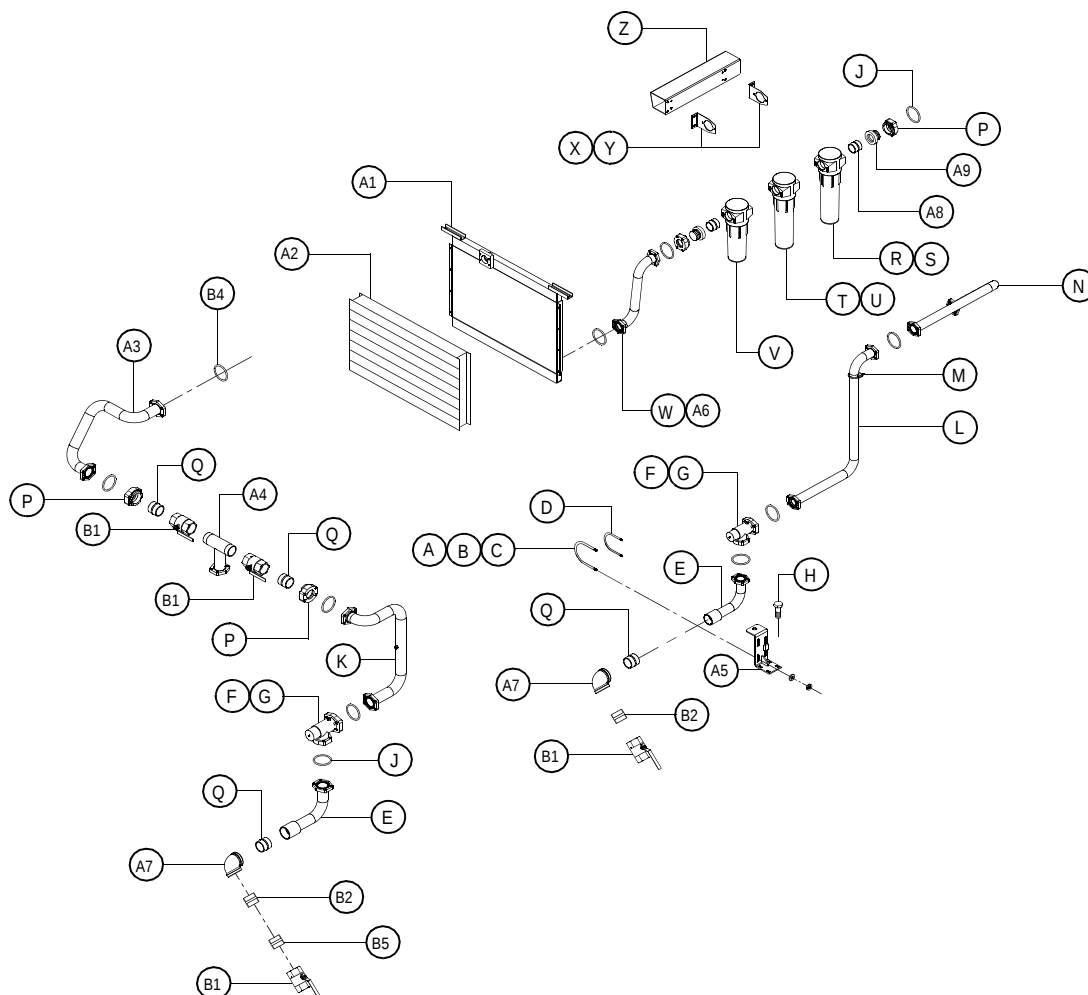
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36799419	U-Bolt	2	
B	95935003	Washer	8	
C	95922902	Nut	8	
D	35586288	Clamp	2	
E	36898120	Pipe, Service (No PED with IQ)	2	
	22205090	Pipe, Service (PED with IQ)	2	
F	54642152	Valve, Minimum Pressure (No PED)	2	
	22207534	Valve, Minimum Pressure (With 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)



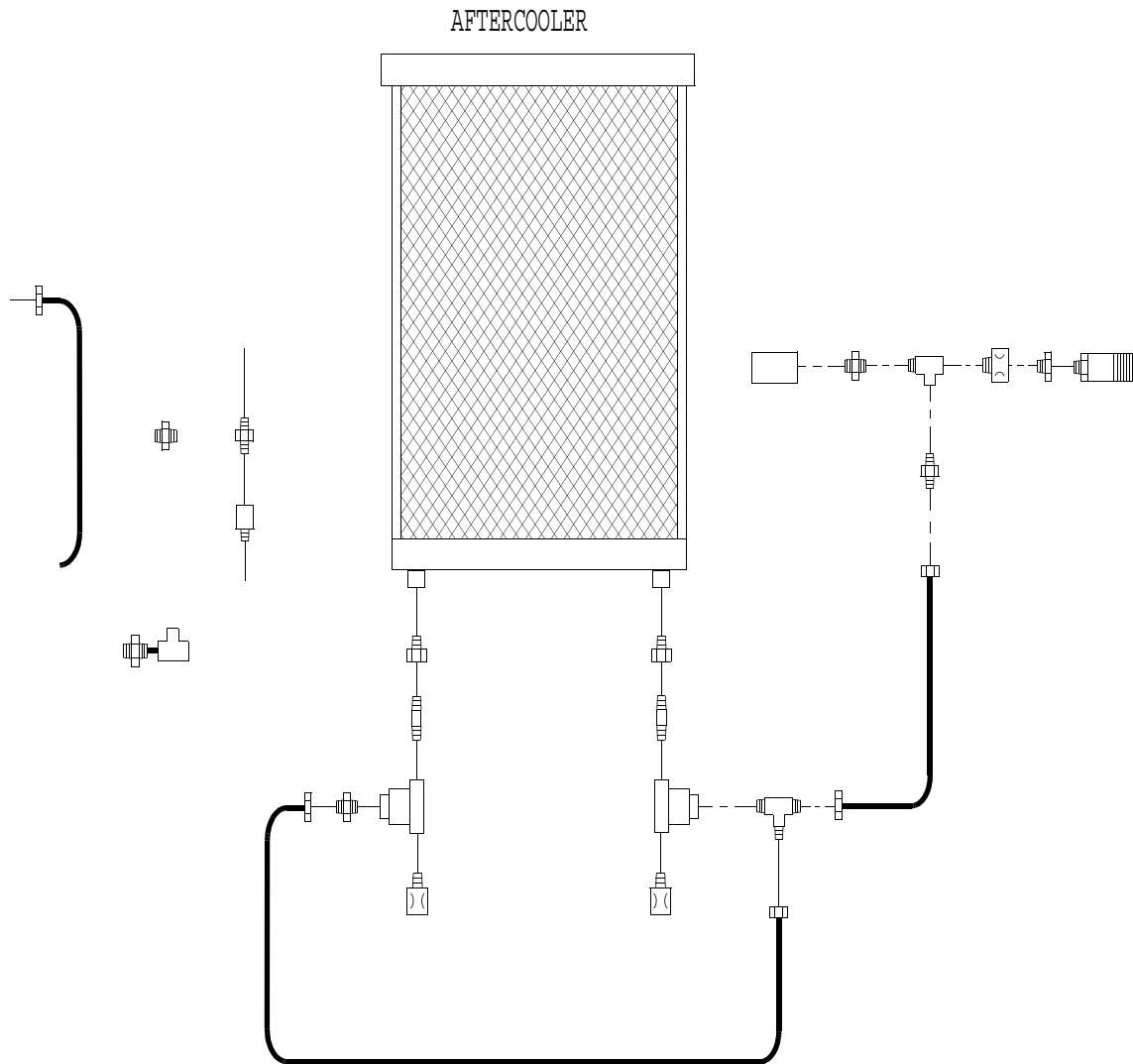
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	36893220	Adapter, Flange	3	Continued
Q	95940946	Nipple	6	
R	54738984	Filter, Secondary	1	
S	54739065	Element, Filter	1	
T	54738976	Filter, Primary	1	
U	54739057	Element, Filter	1	
V	54738968	Separator, Water	1	
W	54734090	Pipe, Filter (No PED with IQ)	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	
A2	54700943	Louver Assembly	1	
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	
				Continued.....

IQ Air Piping (Option)



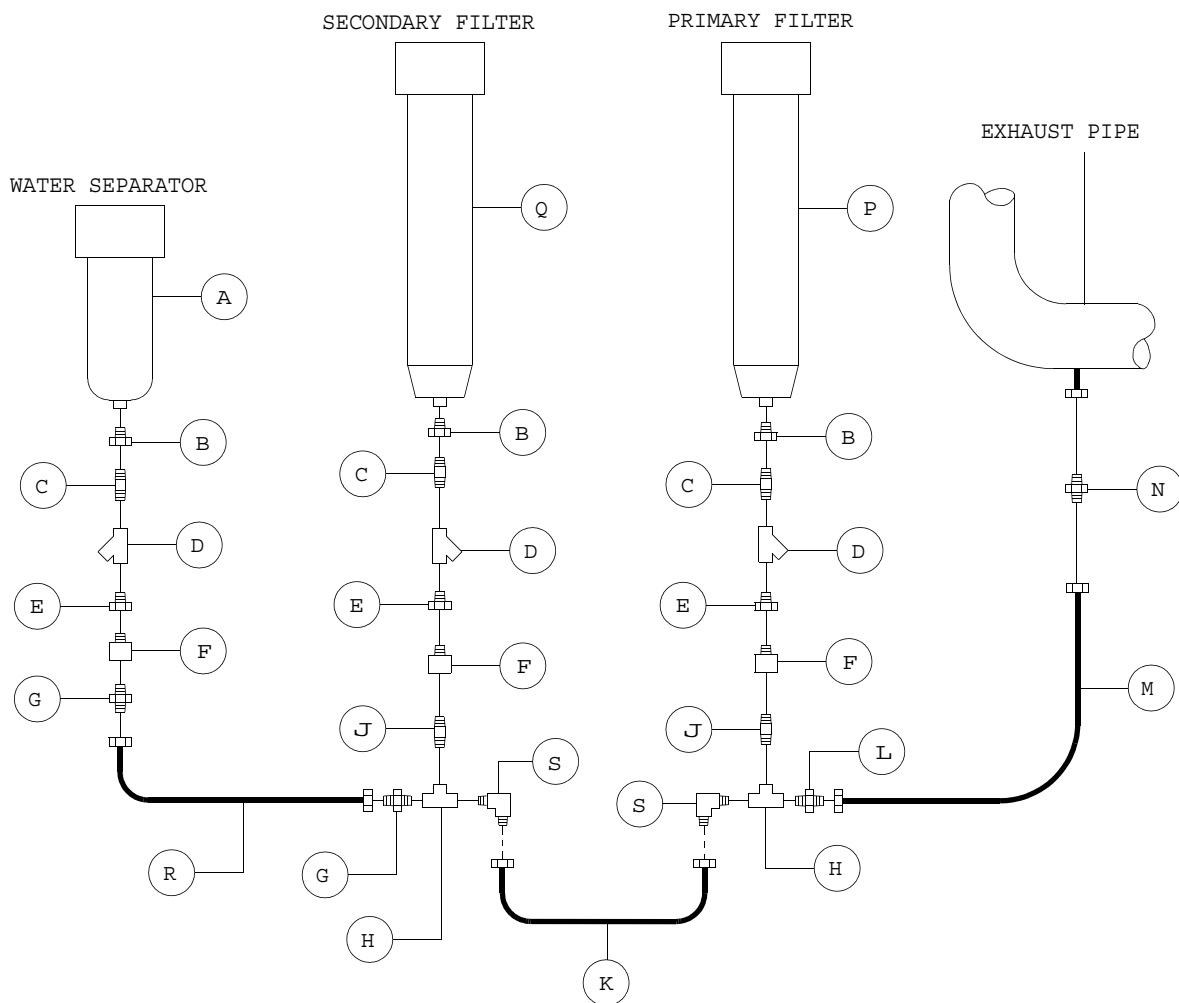
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A5	54668314	Support, Pipe	2	Continued
A6	95929089	Screw	32	
A7	95941027	Elbow	2	
A8	95953790	Nipple	2	
A9	95951398	Bushing	2	
B1	36755718	Valve, Ball (MSA)	3	
	22225213	Valve, Ball (PED, with IQ)	1	
B2	54393210	Nipple	1	
B3	36922995	Valve, Ball (No PED, with IQ)	1	
B4	95358040	O-Ring	8	
B5	22110571	ESA Service Valve Adapter	1	

IQ Cooler Piping (Option)



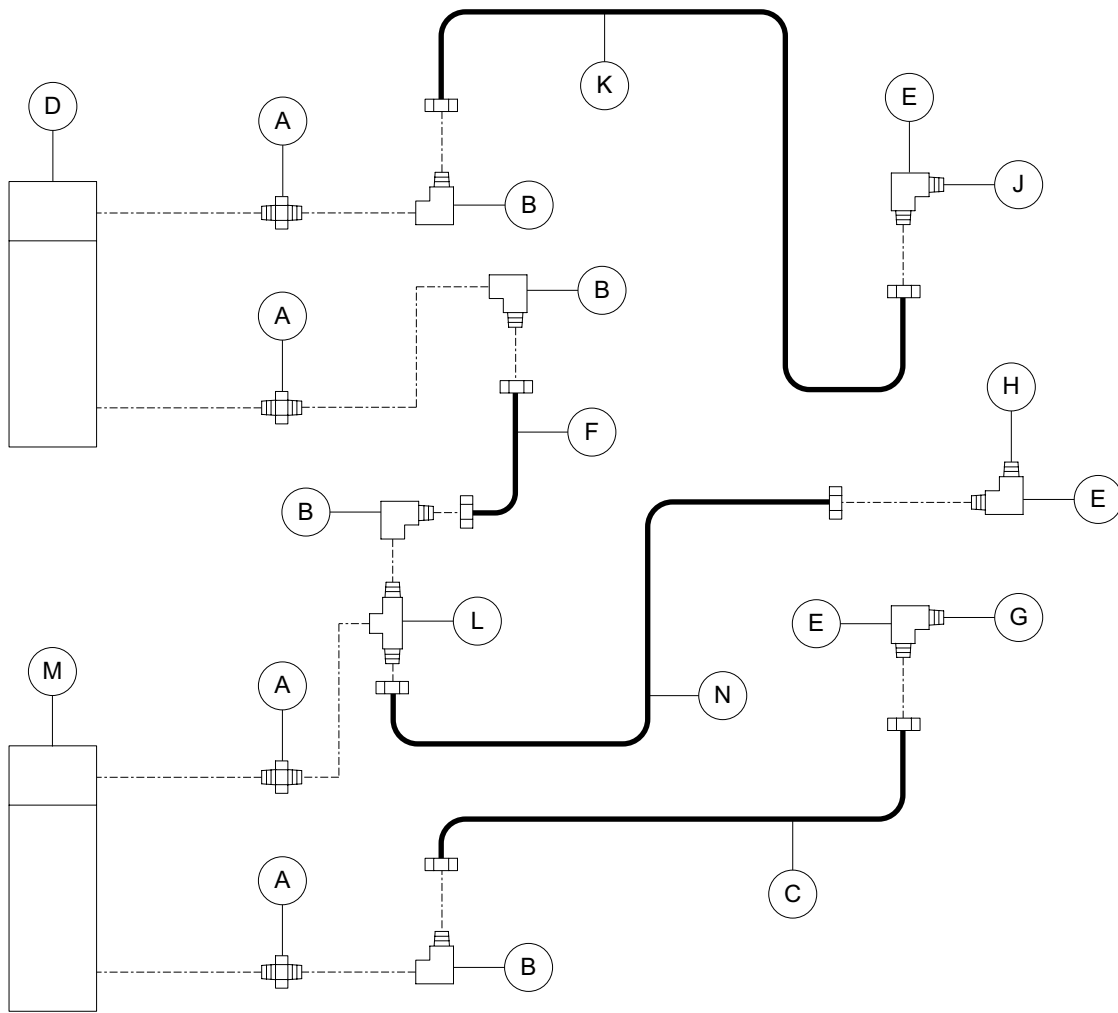
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A		To Side Outlet of Tee LH Side of Auto- Blowdown Valve		
B	35284082	Connector	1	
C	35310994	Hose Assembly	1	
D	35282995	Hose Assembly	1	
E	35322379	Valve, Blowdown	1	
	35379064	Diaphragm Kit	1	
F	35367846	Reducer	1	
G	35284082	Connector	1	
H	35283050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

IQ Filter Piping



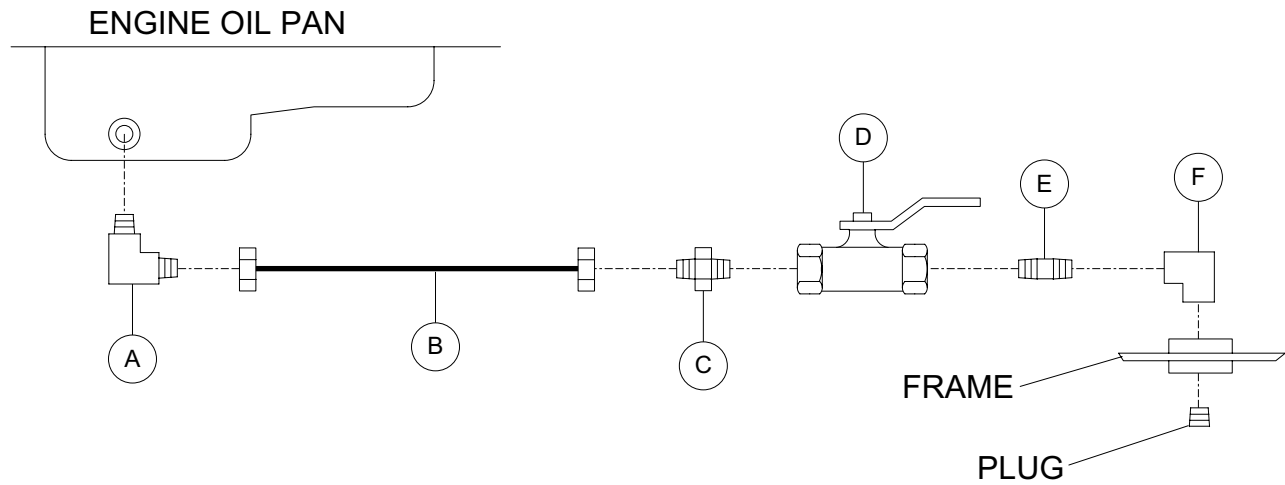
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54738968	Separator, Water	1	
B	95245353	Adapter	1	
C	95772562	Nipple	1	
D	36844579	Y-Strainer	1	
E	95940748	Adapter	1	
F	37081528	Orifice .063	1	
G	35283472	Connector	1	
H	36882223	Tee	1	
J	95452025	Nipple	1	
K	35310960	Hose Assembly	1	
L	35284082	Connector	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



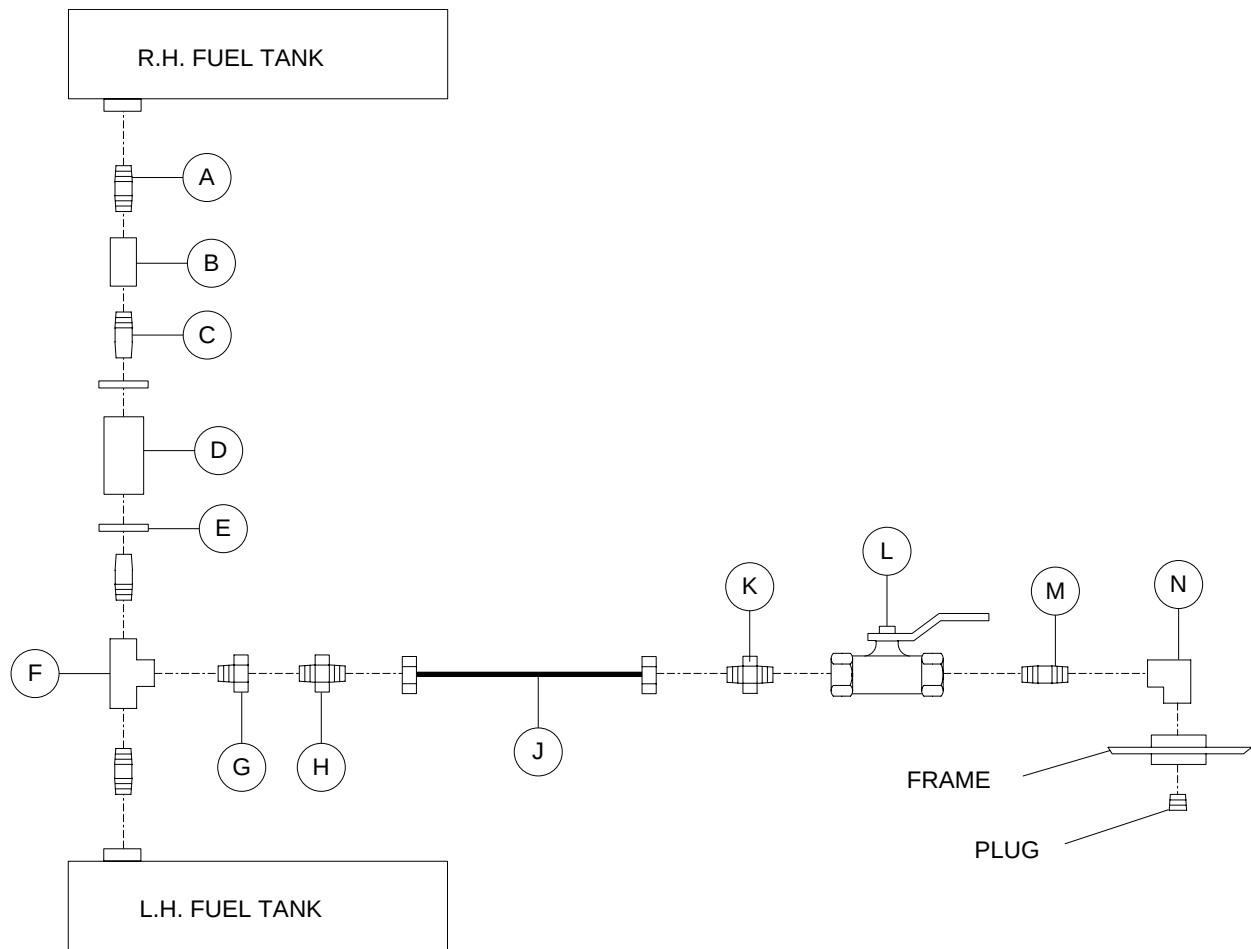
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36898401	Connector	1	
B	35290352	Elbow	1	
C	35310226	Hose Assembly	1	
D	36899599	Indicator (20 psi)	1	
E	35283464	Elbow	1	
F	35310960	Hose Assembly	1	
G	-----	To Water Separator Tube		
H	-----	To Filter Crossover Tube		
J	-----	To Filter Outlet Tube	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

Engine Oil Drain Piping



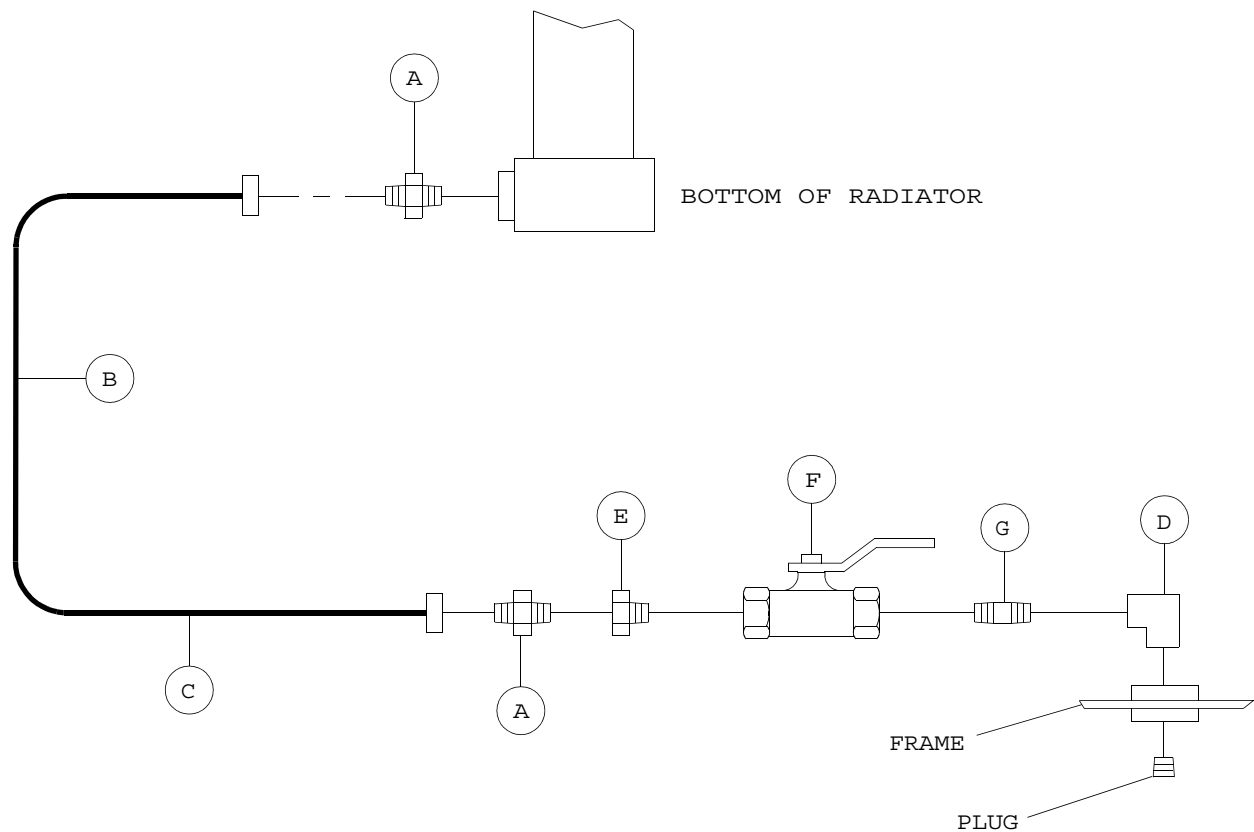
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22063937	Elbow	1	
B	35323880	Hose Assembly	1	
C	95219747	Connector	1	
D	35576115	Valve, Ball	1	
E	95928040	Nipple	1	
F	95928172	Elbow	1	

Fuel Tank Drain Piping



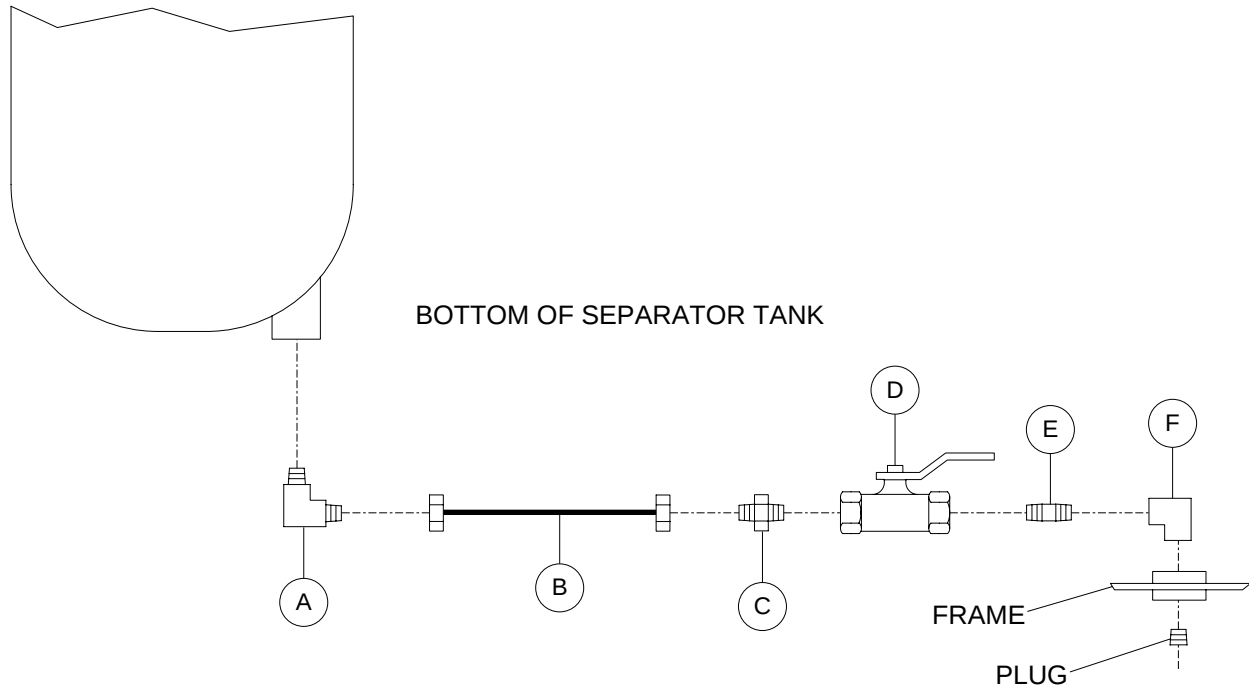
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95953535	Nipple	2	
B	95937454	Connector	1	
C	54762190	Fitting, Hose	2	
D	54762182	Hose (19")	1	
E	35221662	Clamp	2	
F	95954285	Tee	1	
G	95953873	Reducer	1	
H	95219747	Connector	1	
J	36898328	Hose Assembly	1	
K	95219747	Connector	1	
L	35576115	Valve, Ball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

Radiator Drain Piping



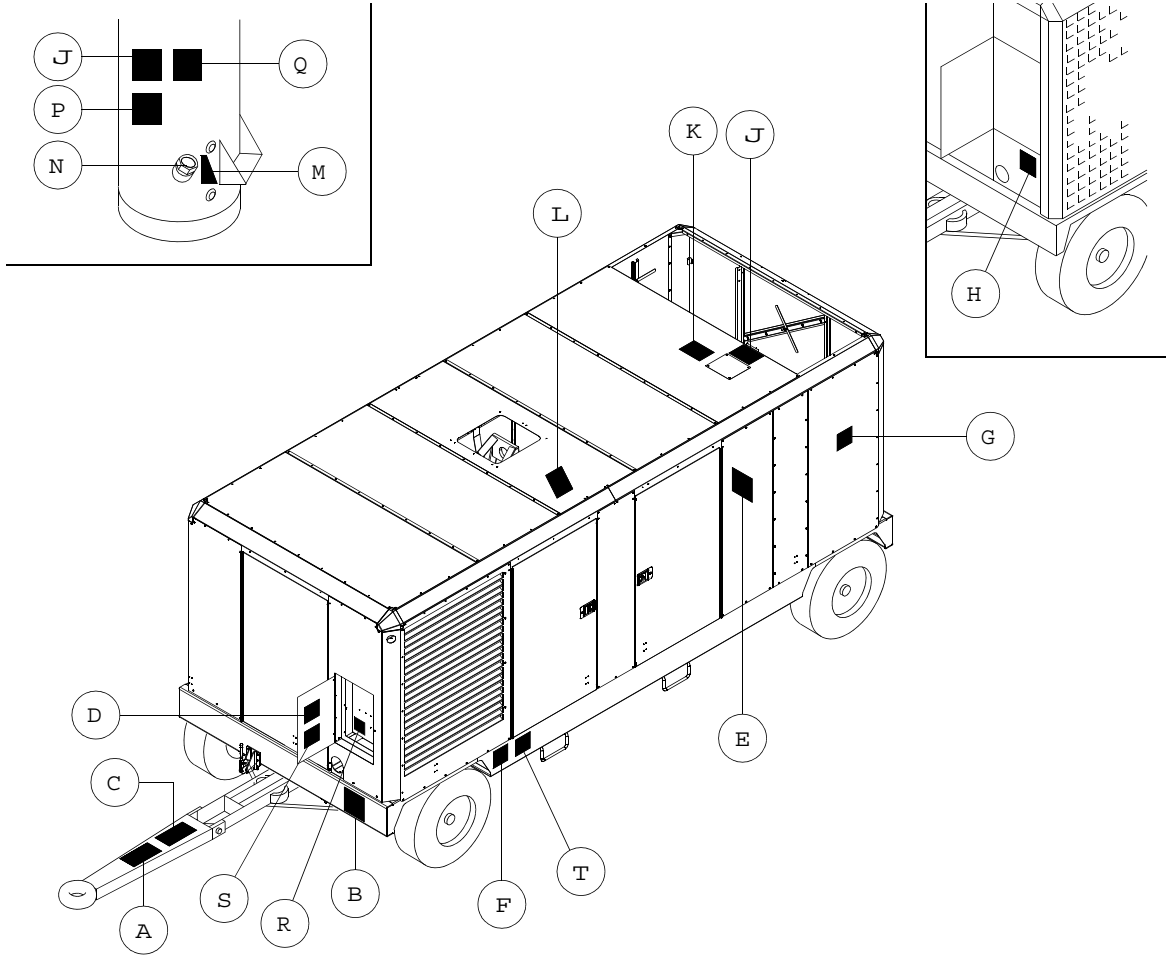
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35326560	Connector	1	
B	95220844	Clamp	2	
C	35326578	Hose (110")	1	
D	95928172	Elbow	1	
E	95953949	Reducer	1	
F	35576115	Valve, Ball	1	
G	95928040	Nipple	1	

Separator Tank Drain Piping



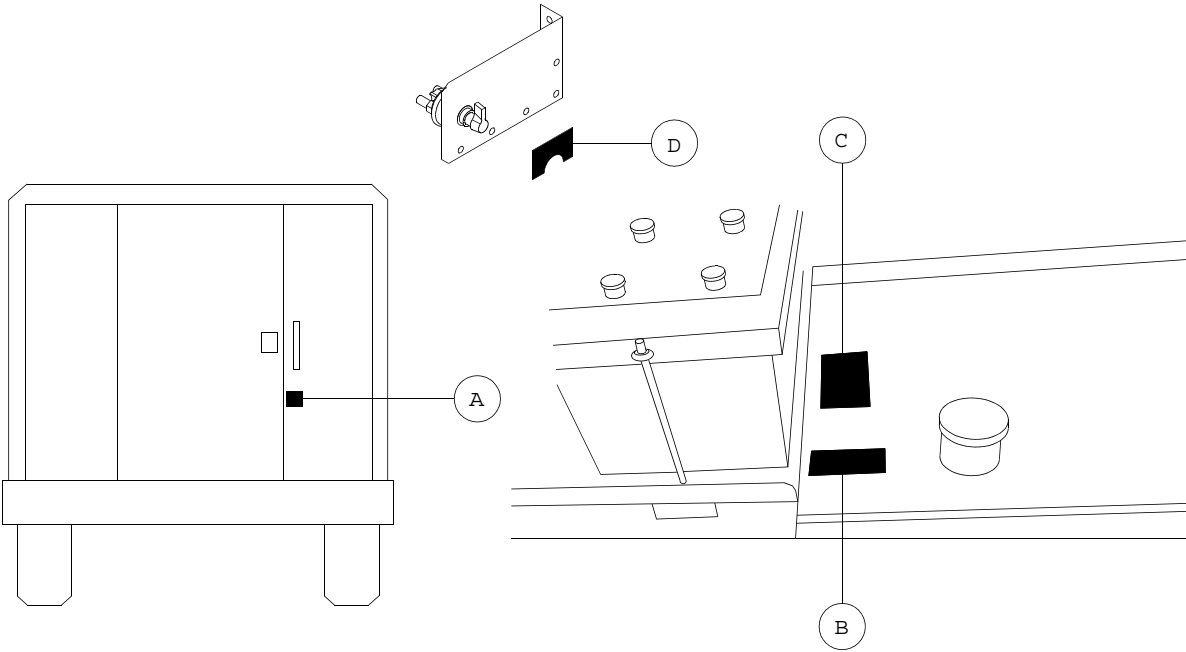
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35294750	Elbow	1	
B	36878254	Hose Assembly	1	
C	95219747	Connector	1	
D	35576115	Valve, Ball	1	
E	95928040	Nipple	1	
F	95928172	Elbow	1	

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 4 - Electrical Schematics

Wiring Parts Lists

Wiring Parts Lists

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
B2	36850691	Startup Compressor		
D1-D4	35376169	Diode		
F1,F4	36792083	20 Amp Fuse		
F2,F3	22071591	10 Amp Fuse		
G2	36785319	Mag Speed Sensor		
K1	35577873	Auxiliary Start Relay		
K2	36892362	Relay, 24VDC SPDT		
K3	36892362	Relay, 24VDC SPDT		
L1,L2	36840841	Start / Run Solenoid Valve		
M1	36840767	Gage, 200 psi Pressure		
M2	22277057	Gage, 150 psi Pressure		
M3	22050991	Gage, Fuel Level		
M4	22327266	Gage, Temperature (Eng. Coolant)		
M5	54766704	Hourmeter		
M6	22055883	Tachometer		
M7	22399349	Voltmeter		
M8	22327266	Gage, Temperature (Air Discharge)		
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		
U1	54672803	Sender, Fuel (Wagon)		
	54672811	Sender, Fuel (High Speed)		
U2	54474572	Switch, Water Level		
W1	22614416	Chassis Harness		

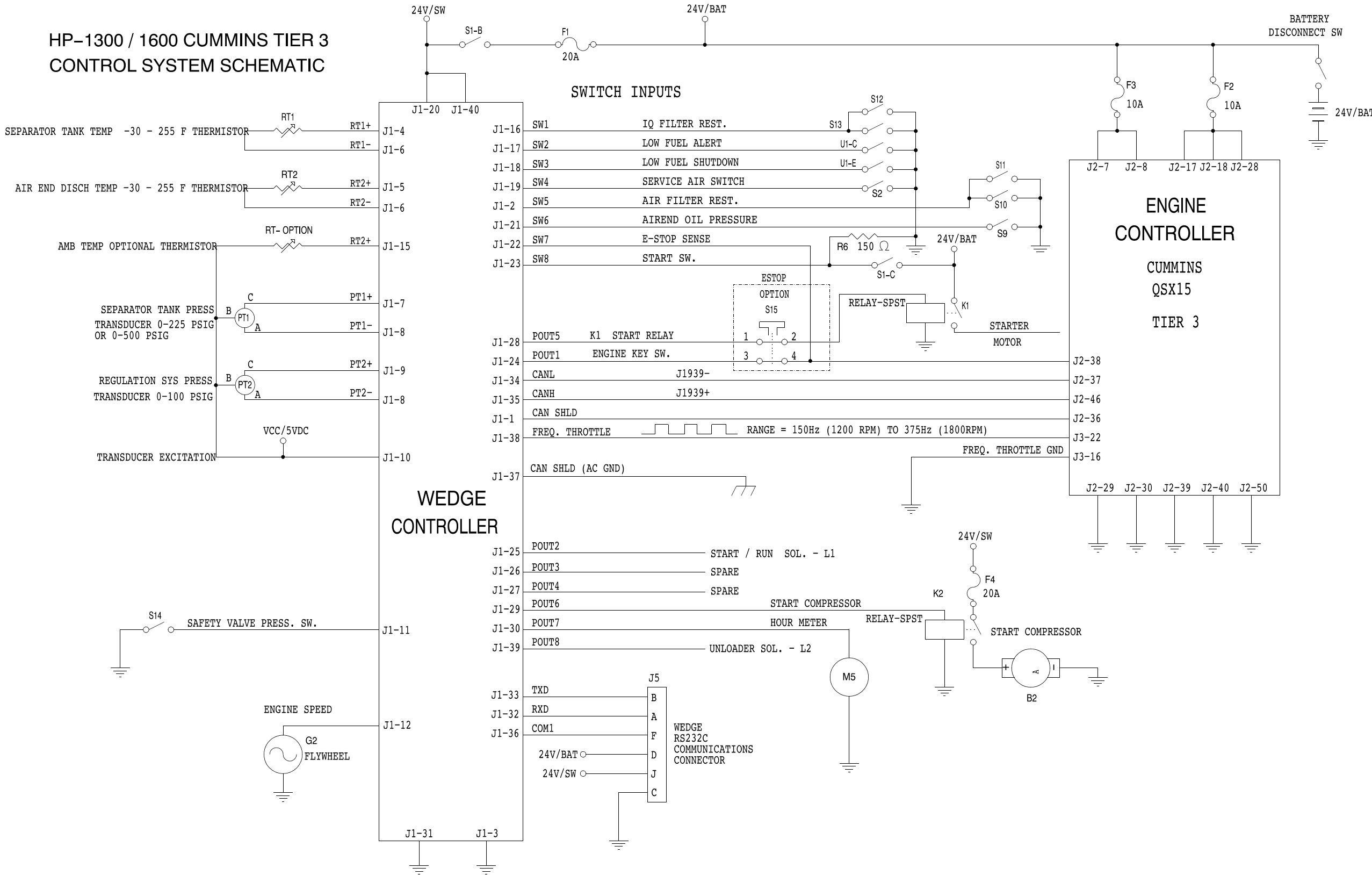
Wiring Parts Lists
Wiring Parts Lists

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		IQ OPTION PARTS		
K3	36892362	Relay, IQ		
S12	36899615	Indicator, 25 psi Pressure		
S13	36899599	Indicator, 20 psi Pressure		
RT5	36898922	Sensor, Temperature		
	54757224	IQ Wiring Harness		
	54775887	IQ Heater Harness		
	36841526	IQ Orifice Heaters		
	36898310	IQ Actuator		
	22173579	Wedge Controller		
	22108690	Control Panel Harness		
	36896975	Battery Disconnect Switch		
	54765367	Negative Battery Cable		
	54765375	Positive Battery Cable		
	54765383	Positive Jumper Cable		
	35128982	Battery Jumper		

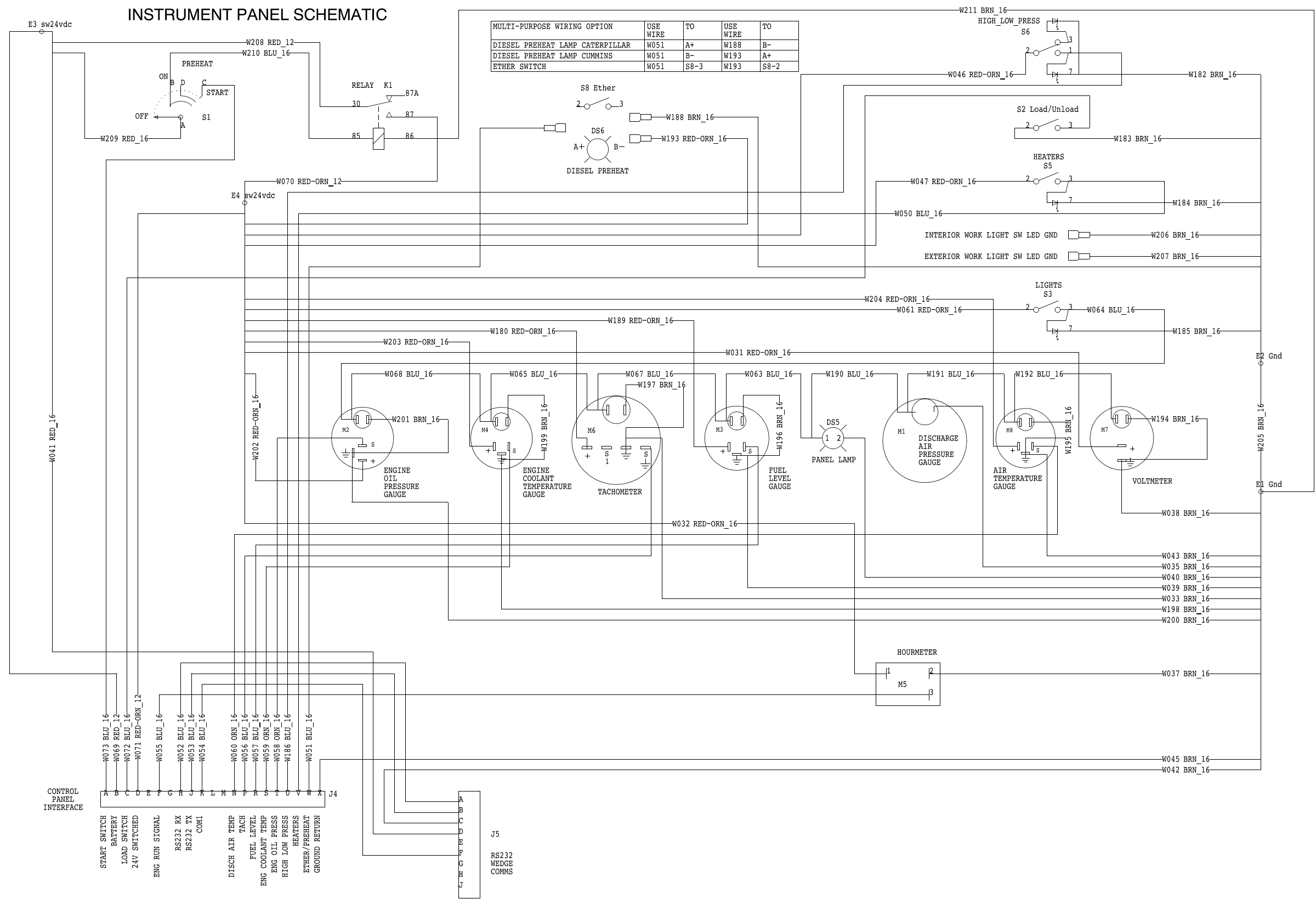
Wiring Parts Lists

Control System Wiring Diagram

HP-1300 / 1600 CUMMINS TIER 3
CONTROL SYSTEM SCHEMATIC

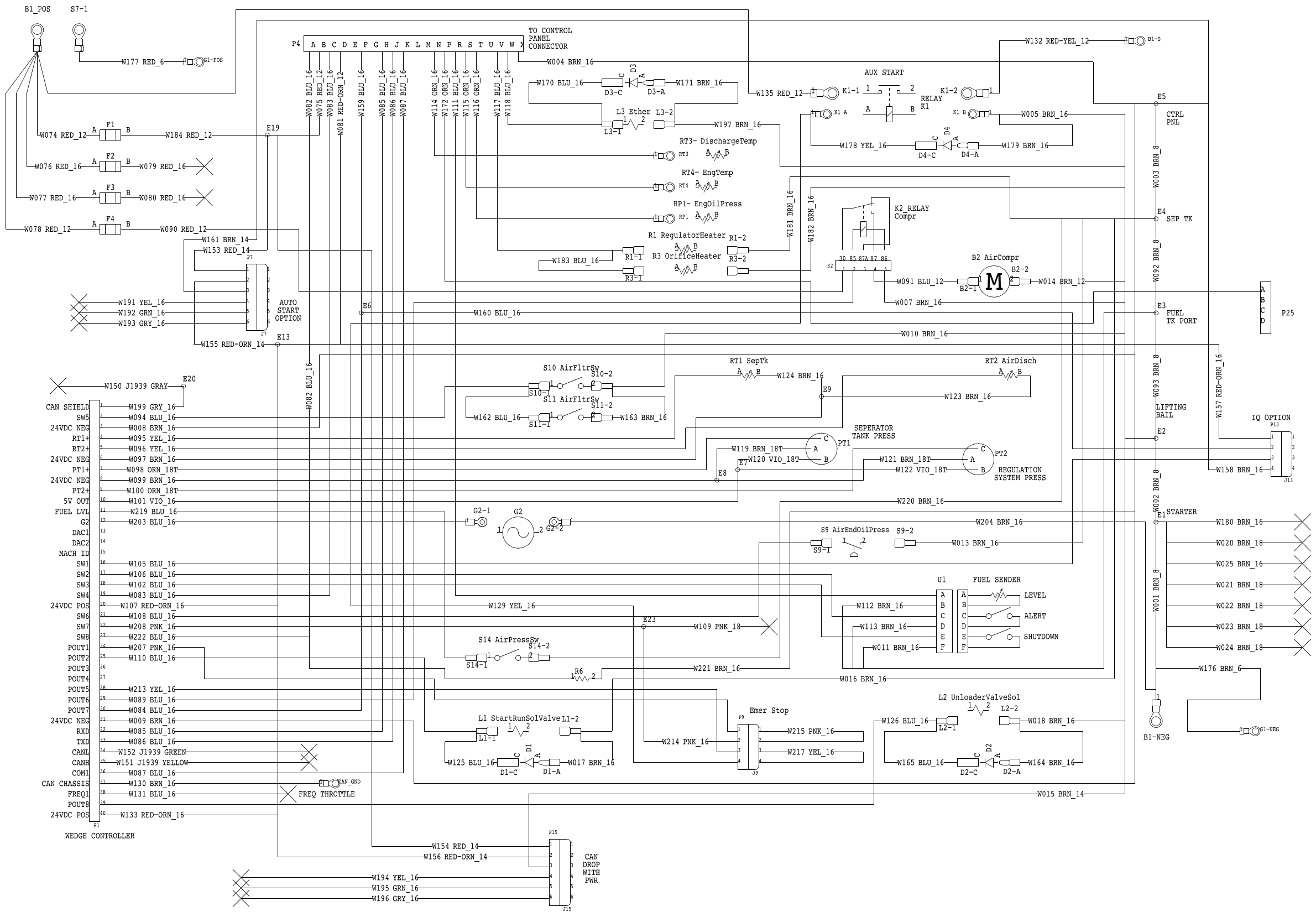


Control System Wiring Diagram



22742951_072_06/04_A

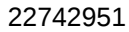
Control System Wiring Diagram



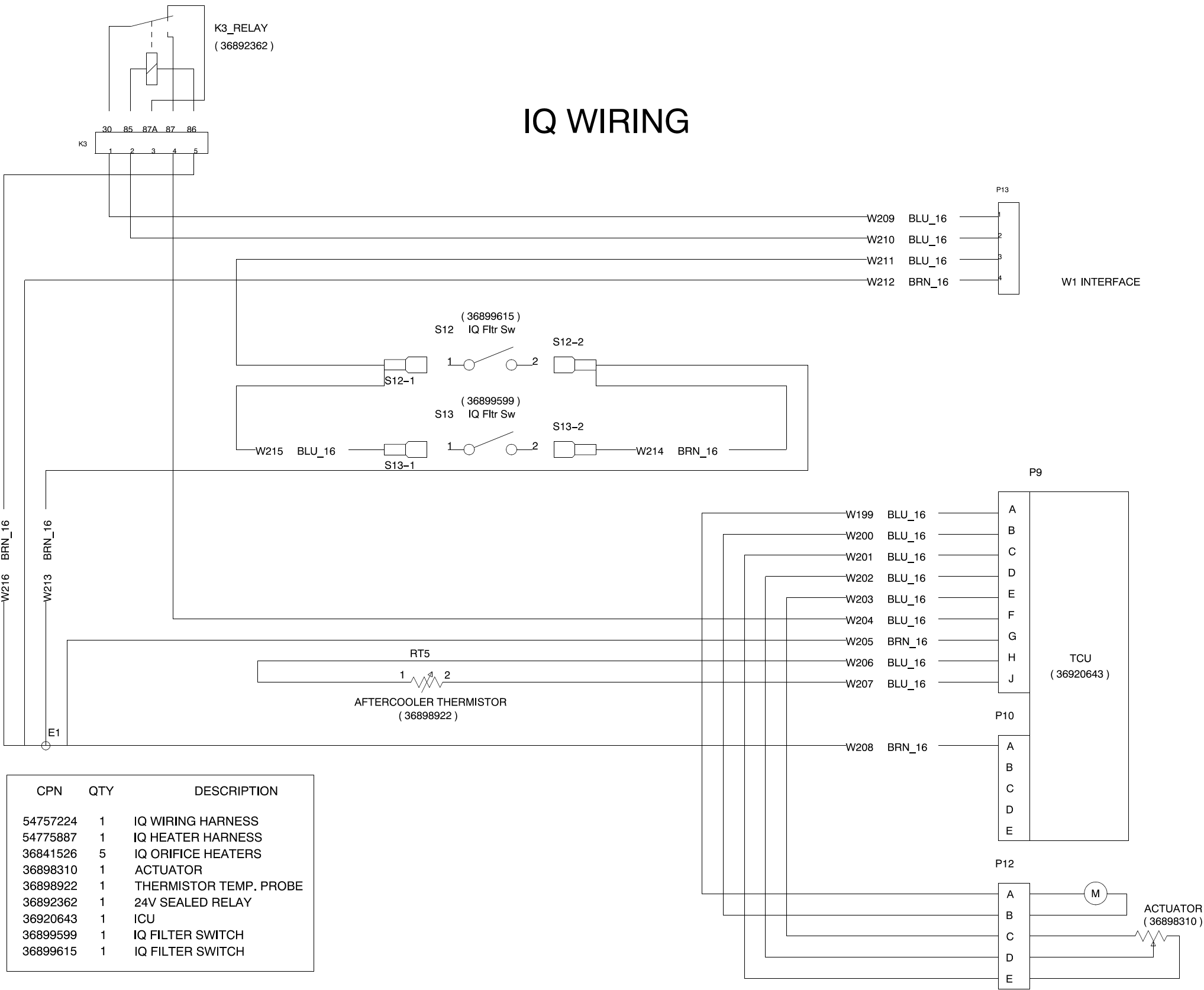
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22742951_074_06/04_A



IQ Wiring Diagram



NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
-----	38	22173579	53	22767453	31
-----	40	-----	3	-----	32
-----	75	22186845	7	22846364	81
-----	2	-----	17	35103498	30
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22060149	40	-----	39	35131051	58
22060156	35	22331839	38	35132166	30
-----	36	-----	40	35135458	32
-----	38	22332589	38	35136548	36
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22077515	9	22475560	56	35221662	77
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22108690	3	-----	38	35252618	66
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22110761	18	22614416	2	35272150	9
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22127385	53	22694640	51	-----	22
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22134118	53	22699219	34	35279025	55
22139026	43	22711766	51	35279116	47
22162549	2	22711774	51	35279801	35
22164305	80	22765374	20	-----	36
				35279835	47

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
35279934	47	35300227	23	35333830	9
.....	49		24	35335017	47
35280098	49	35301506	49	35335124	44
35280510	47	35305499	35	35336189	49
35282920	65		36	35336700	8
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35282961	49	35307537	51		34
35282979	49	35307545	51	35357052	30
35282987	47	35307552	51	35357151	67
35282995	73	35307560	51	35358662	47
35283050	47	35307586	51	35360775	20
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35283092	47	35309210	35	35365279	25
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35283464	65	35310960	74	35367069	22
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.....	75	35310994	49	35367846	49
35283472	65		73		73
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35284082	73	35314582	53	35369339	33
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35284538	47	35321520	26	35369354	33
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35287911	47	35323591	75	35388982	41
35290147	47	35323757	75	35389964	35
35290253	49	35323880	76		36
35290352	75	35324839	49	35389972	35
35293075	55	35325083	40		36
35293869	25	35326560	32		38
35294453	47		65		40
35294750	42		78	35505866	41
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35295336	23		78	35576115	32
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35296409	44		39		77
35297340	19		54		78
35298470	24	35327311	37		79
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35300136	24	35332634	29	35588953	14
35300144	24	35332642	29	35588961	13
35300177	23	35332659	28	35589241	15
		35332675	28	35594811	28

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
35594829	28	36755163	41	36841815	47
35594837	28	36755718	68	36842086	49
35594845	29		72	36842094	49
35594860	28	36755742	57	36844124	53
35594878	28	36755981	57	36844579	74
35594910	28	36756906	44	36845014	35
35596626	23	36757581	42		36
35602812	30		2		38
35602846	67	36758142	24		40
35603182	67	36758902	41	36845022	35
35603190	9	36762623	47		36
35603208	66	36762961	42		38
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35802933	43	36783306	66	36851384	14
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36504389	13	36792927	50		16
36506756	44	36793602	56	36851632	9
36514602	80		59		16
36711083	23	36794303	43	36851640	15
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36719177	13	36799419	68	36852622	53
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36719219	14	36799807	21	36853091	9
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36729465	29		49		15
36729531	22		2	36854495	47
36740405	54	36840908	53	36856060	25
36753242	14	36841138	20	36856656	42
36753259	13		2	36859320	10
36754059	22	36841526	65	36862886	41
36754141	25		2	36863363	56
36754414	42		3	36863371	56

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
36863413	56	36892362	2	42469676	25
36863652	56	.....	3	42469809	22
36863660	56	36893220	71	43212216	32
36863702	49	36893634	10	54363536	25
36864288	58	36893642	10	54393210	72
36864304	58	36894129	10	54409339	19
36864346	41	36894467	37	54422522	69
36864361	41	.....	39	54444427	69
36864379	41	36895860	10	54464607	65
36864403	58	36896306	10	54464623	65
36864677	2	36896975	55	54464664	65
36867778	41		3	54474572	32
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36877991	9	36898120	68		17
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36878049	9	36898310	3	54501846	31
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36878254	42	36898401	75	54501853	31
.....	79	36898922	43	54507439	31
36879195	21		73	54507447	31
.....	41	.....	2	54507454	31
.....	65	.....	3	54507462	31
36879492	19	36899599	75	54507470	31
.....	42	.....	2	54507488	31
36880128	8	.....	3	54540141	22
36880136	8	36899615	75	54542535	22
36880144	8		2	54542543	6
36880151	8		3	54568753	81
36880169	10	36920338	65	54568761	80
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36880185	10	36920650	75	54568787	80
36880193	8	36920825	47	54568795	80
36880201	8		2	54568803	80
36880219	8	36922144	10	54570122	19
36880227	8	36922995	72	54576871	56
36880235	8	36A2D326Z1	16	54576921	59
36880243	8	37081528	74	.....	60
36880250	8	39101472	25	54576947	56
36880268	9	39102355	29	54576970	57
36880276	9	39179072	17	54584784	57
36880284	8		18	54587944	56
36880292	9	39871306	44	54587951	56
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36880318	9	39926902	26	54587977	56
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36880334	9	39926928	26	54594080	33
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36880995	21	39927496	26	54599915	58
.....	41	39927504	27	54599923	58
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36882223	74	39927538	23	54599956	41
36884047	19	39927546	23	54603204	21

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
54603774	21	54672811	35	54738752	21
54604939	80	.....	2	54738968	71
54604962	80	54675806	62	.....	74
54604970	80	54675814	62	54738976	71
54604988	81	54675822	62	.....	74
54612403	43	54675830	62	54738984	71
54612429	42	54675848	62	.....	74
54612437	42	54685326	62	54739016	71
54616552	21	54685334	62	54739024	71
54616560	21	54687322	19	54739057	71
54625173	44	54688221	60	54739065	71
54625207	81	54688239	60	54744149	43
54625348	44	54690110	57	54747316	57
54625355	44	54690128	57	54747324	57
54625363	44	54690136	58	54749205	80
54627799	42	54691118	63	54757224	3
54628177	44	54691134	63	54759519	61
54628185	44	54691159	63	54759527	61
54629126	21	54691175	63	54759535	62
54629589	21	54691191	63	54759543	62
54629902	80	54692744	59	54759550	62
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54632690	69	54699129	71	54760442	63
54637996	32	54699400	80	54762182	77
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54640966	59	54699749	50	54765367	3
54640974	59	54699756	50	54765375	55
54640982	59	54700091	57		3
54641006	59	54700943	71	54765383	55
54641022	59	54706825	55		3
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54642137	68	54715479	55	54766704	53
54642152	68	54718184	56		2
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54661426	31	54719646	61	54775887	3
54661459	31	54719653	61	92304500	30
54661533	19	54719661	61	92368687	33
54662010	21	54719695	61	.....	34
54662028	20	54719703	61	.....	37
54662036	20	54719711	61		39
54662051	20	54720057	61		54
54663224	57	54720065	61	95018982	13
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54663240	56	54721105	21	95043196	30
54663281	59	54721204	61	95077608	8
54663299	59	54721675	61	95098703	14
54668314	68	54732250	71	95104147	28
.....	72	54734090	71	95201455	14
54670459	63	54734983	70	95219747	42
54672753	59	54735055	70	.....	76
54672761	59	54737400	55	.....	77
54672779	59	54737598	62	.....	79
54672803	36	.....	63	95220844	20
.....	2	54737606	62	.....	32
		.....	63	.....	78

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
95235131	32	95930301	30	95954285	43
95239927	13	.....	42	.....	49
95245353	74	.....	47	.....	77
95264776	32	.....	49	95989554	47
95272902	15	95934170	42	95994877	18
95279378	35	95934253	19	96700901	17
.....	38	95934626	22	.....	18
95285599	24	95934741	10	96700919	22
95286910	44	.....	16	96701750	17
95287629	47	.....	66	.....	18
95318556	14	95934956	14	96701917	51
.....	15	95934998	37	96702287	29
95332599	40	.....	39	96702659	28
95338554	13	.....	54	96706080	23
95352944	26	.....	67	96706262	24
95357976	44	95935003	68	.....	25
.....	70	.....	70	96716162	26
95358040	68	95935011	8	96720610	6
.....	72	.....	19	.....	7
95358214	23	95935037	55		
95358446	26	.....	66		
95452025	74	95935086	67		
95603130	26	95937454	77		
95673042	13	95939955	9		
95717369	13	95940748	43		
95717377	14	.....	47		
95730172	38	.....	49		
.....	39	.....	74		
95772562	74	95940912	43		
95916573	16	95940920	19		
.....	66	95940946	68		
95916581	68	.....	71		
95922902	68	95941027	72		
.....	70	95941092	22		
95923314	37	95941100	66		
.....	39	95942108	43		
.....	54	95944575	47		
95923322	55	95944617	47		
95923363	19	95944625	47		
95927273	68	95944633	47		
.....	70	.....	49		
95928040	76	95944690	47		
.....	77	.....	49		
.....	78	95951398	72		
.....	79	95953311	43		
95928172	76	95953535	77		
.....	77	95953790	72		
.....	78	95953873	77		
.....	79	95953949	32		
95928222	28	.....	78		
.....	29	95954079	18		
95928800	53	95954095	47		
95928867	66	95954194	47		
.....	67	95954210	49		
95929089	68				
.....	72				

WORD INDEX

CPN

0-100 psi Pressure Transducer	2
0-500 psi Pressure Transducer	2
10 Amp Fuse	2
20 Amp Fuse	2
24 Volt Heater	65
3 Light Assembly	10
3-Part Warning Decal	80
7-Way Connector	10

A

AC Powered Cold Start Assy.	65
Adapter	
Flange	71
Adapter (In End of Engine Blow-by Hose-	65
Adapter (To Engine Charge Air Return)	30
Air Cleaner Assembly	41
Air End Assembly	22
Air Filter Switch	2
Alternator Belt	20
Angle	
Door Drip	56
Rear Mounting	60
Arm	
Center	14
Atomizer	30
Auxiliary Start Relay	2
Axle	
Front	13
Rear	15

B

Baffle	
LH	60
LH Inside	59
LH Outside	59
RH	60
RH Inside	59
Bail	
Lifting	6, 7, 17, 18
Ball Joint	
Outer	13
Balljoint	
Inner	14
Bar	
Equalizer	8
Shock Mount Rest	18
Battery	55
Battery & Mounting	55
Battery Disconnect Switch	3
Battery Gas Decal	81
Battery Jumper	3
Body	
Check Valve	50
Unloader	28
Valve	51

Bolt

Equalizer	8
M16 X 50	18
Shackle	8, 13
Bolt Shackle	15

Bottle

Overflow	20
----------	----

Brace

Center Roof	57
Front	56
Front Panel	56
Top Foam	57

Bracket

Air Cleaner	41
Air End	22
Bottom	49
Engine	19
Filler	57
Filter	44
Filters	71
Front Cable Latch	66, 67
LH Cable Latch	66
LH Lever	66
Overflow	20
Pressure Switch	65
RH Cable Latch	66
RH Lever	66
Switch	55
Top	49

Breather	33, 34
----------	--------

Bumper

Rubber	8
--------	---

Bushing

Housing	29
Reducing	43

C

Cable	58
Jumper	55
LH Brake	67
Master Switch	55
Negative	55
Positive	55
RH Brake	67

Cap

Corner	57
Dust	9
Front End	57
Fuel Fill	38, 40
Fuel Tank	35, 36
Grease	15
LH Front Side	57
LH Rear Side	57
Rain	21
Rear End	57
RH Front Top	57
RH Rear Top	57
Central Drain Decal	81

WORD INDEX

Chassis Harness	2
Check Valve Assembly	50
Chock	
Wheel	9
Clamp	
Plate	9
Seal	21
Clevis	
Brake Lever	66, 67
Clip	55
Connector	
Bulkhead	40
Connector (In Tee Facing Lifting Bail)	65
Containment Decal	80
Control Orifice Heater	2
Control Panel Harness	3
Control System Wiring Diagram	5, 6, 7
Cooler	
A/C Fuel	31
Air Charge	69
Cooler Assembly	71
Cooler Oil	31
Cover	
Battery	55
Fuel	40
Fuel Fill	38
Fuel Tank Clean-out	35, 36
Piston	28
Tank	42
Crossmember	
LRG	17
Cummins Engine Filter Decals	81
Cylinder	
Ether	30
D	
DC Heater Harness (Connect to R1 on W1	65
DC Heater Harness (Connect to R3 on W1	65
Diaphragm	28
Diaphragm Kit	73
Diesel Fuel Decal	81
Diode	2
Discharge Hose Assembly	42
Door	
Front	56
Fuel Access Side	37, 39
Fuel Fill	37, 39
Instrument Panel	54
Rear	59
Roof	58
Side	56
Door Under Pressure Decal	81
Dowel	23, 25
Drawbar	14

E

Elbow	
90	40
90 (In Thread Port at Press. Sw.)	65
Rubber	41
Elbow (In Threaded Port of Press. Switch)	65
Elbow Rubber	41
Element	
Filter	44, 71
Primary	41
Safety	41
Separator	42
Valve	51
Engine	
QSX-15 Cummins - Tier 2	19
QSX-15-C600 Cummins - Tier 3	19
Engine Belt	20
Engine Filters	20
Engine Fuel Filter	20
Engine Oil Filter	20
Engine Oil Press Sender	2
Engine Water Separator Filter	20
Equalizer	
Cable	67
Clevis	67
ESA Service Valve Adapter	72
Evacuator	41
Eye	
Pintle	8
Eyebolt	37, 39, 54

F

Fall Off Unit Decal	80
Fan Assembly	19
Fan Guard Assembly	31
Filler	
Neck And Cover	35, 36
Filter	
Primary	71, 74
Secondary	71, 74
Fitting	
Barbed	32
Bulkhead	49
Hose	77
Lube	13, 14, 15
Scavenge	43
Flange	
Brake Mounting	16

WORD INDEX

Foam

Bottom Door	62, 63
Center Door	61, 62
Center Panel	38, 40, 61
Center Top	61
Door	61
LH	62
LH Baffle	62
LH Baffle (IQ Units)	62
LH Baffle (IQ units)	63
LH Front Top	61
LH Side	61
LH Splitter Baffle	63
Middle Door	63
Rear	61
Rear Top	61
RH	62
RH Front	61
RH Rear Side	61
RH Splitter Baffle	63
RH/LH Rear Side	61
Side Door	38, 40
Splitter Baffle	62, 63
Top	61
Top Door	62, 63
Frame	55
Frame Assembly	6, 7, 17, 18
Front Axle Assembly	14
Fuel Piping	35, 36, 37, 38, 39, 40
Fuel Return on Engine	35, 36
Fuel Tank Vent Piping	33, 34
Furnished with Lever	66

G

Gage

150 psi Pressure	2
200 psi Pressure	2
Air Discharge Temperature	52
Discharge Pressure	53
Engine Oil Pressure	52
Fuel Level	53, 2
Temperature (Air Discharge)	2
Temperature (Eng. Coolant)	2
Voltage	52
Water Temperature	52

Gasket

Cover	35, 36
Valve	51
Gasket (Top Of Element)	42
Gear Case	23
Gear Set	
HP-1300	24
HP-1600	24

Glass

Sight	42
-------	----

Grille

LH Front Side	56
RH Front Side	56

Grommet (Use on Item C & E)	10
Grommet (Use on Item F)	10
Ground Strap From Starter	55
Ground Strap To RH of Engine	55
Guard	
Turbo	19

H

Hanger

Center	8
Front	8
Rear	8

Harness

Pressure Switch	65
Harness)	65

Head

Filter	44
--------	----

Heater

Oil Pan	65
---------	----

High Pressure Air Decal	80
-------------------------	----

High Pressure Fluid Decal	80
---------------------------	----

Hinge	37, 39, 53, 54, 56, 59
-------	------------------------

Door	58
------	----

Hose

By-Pass	32
---------	----

Connector	32
-----------	----

Drain	32
-------	----

Hump	41
------	----

Ribbed	69
--------	----

Vent	32
------	----

Hose (110")	78
---------------	----

Hose (19")	77
--------------	----

Hose Assembly (Between Elbow & Tee)	65
---------------------------------------	----

Hourmeter	53, 2
-----------	-------

Housing

Front Bearing	25
---------------	----

Piston	29
--------	----

Rear Bearing	25
--------------	----

Rotor	25
-------	----

Hub Assembly	9
--------------	---

Hub Assembly (Includes Items N

L	
A2)	15

I

ID Bracket	10
------------	----

Improper Operation Decal	80
--------------------------	----

Indicator

20 psi Pressure	3
-----------------	---

25 psi Pressure	3
-----------------	---

Indicator (20 psi)	75
----------------------	----

Indicator (25 psi)	75
----------------------	----

Inner Bearing	9, 16
---------------	-------

Inner Bearing Cup	9
-------------------	---

Inner Race	16
------------	----

Instrument Panel Assembly	54
---------------------------	----

WORD INDEX

Instrument Panel Assembly (Begins with S/N 332157)
52, 53
Into Fuel Filter on Engine 38, 40
Into Fuel filter on Engine 35, 36
IQ Actuator 3
IQ Air Piping 70, 71, 72
IQ Cooler Piping 73
IQ Filter Switch 2
IQ Heater Harness 3
IQ Operation Decal 80
IQ OPTION PARTS 3
IQ Orifice Heaters 3
IQ Wiring Diagram 9
IQ Wiring Harness 3
Isolator
 Shear Mount 18

J

Jack
 Dropleg 8

K

Key 23, 24
 Bushings 22
Kit
 Bracket / Wedge 71
 Wedge 71
 Wrap Wire Kit 21
Knob
 Switch 53

L

Latch 14
 Door 56, 58
 Door Slam 56, 59
Lever
 Brake 66, 67
LH Electric Brake 9
LH Knuckle Assembly 13
Lift Point Decal 80
Light
 Instrument Panel 53
 License Plate 10
Liner
 Shell 42
Louver Assembly 71
LRG Pedestal Mount on Wagon Wheel Frame
Assembly 17
LRG Shock Mount on Wagon Wheel Frame Assembly
18

M

Mag Speed Sensor 2
Module
 Wedge 53
Mount
 Rubber 19, 22

Muffler 21

N

Negative Battery Cable 3
No Weld Decal 80
Noise Emission Decal 80
Nut
 Jam 13, 14
 M16 17, 18
 Stud 16
 Wing 41
Nut (Attach Bracket) 65

O

Oil Fill Decal 80
Oil Level Decal 80
Oil Temp. By-pass Valve Assembly 51
Operating Instructions Decal 80
Operating Instructions Decal (Instr. Pnl.) 80
Orifice 49
 .094 73
 .156 47
Orifice .063 74
Orifice LH Fan 31
Orifice RH Fan 31
Outer Bearing 9, 15
Outer Bearing Cup 9
Outer Race 15
Overlay
 Module 52

P

Pad
 Heater 8D Battery 65
Panel
 2nd and 4th Top 58
 Center 56
 Center Side 37, 39
 Center Top 58
 Front Top 58
 Instrument 52
 LH Front 56
 LH Front (IQ Units) 56
 LH Rear Corner 59
 LH Rear Side 56, 59
 Rear Side 56
 Rear Top 58
 RH Front 56
 RH Front (IQ Units) 56
 RH Rear 59
 RH Rear Corner 59
 RH Rear Side 56
 Vertical 54

WORD INDEX

Pin	23, 25
Center	14
Clevis	67
Cotter	13, 14, 15, 66, 67
Hinge	14
King	13
Roll	13, 14
Pin Clevis	66
Pipe	68
Bypass (No PED with IQ)	70
Bypass (PED with IQ)	70
Engine Turbo	21
Exhaust	21
Exhaust (IQ)	21
Exhaust (Standard)	21
Filter (No PED with IQ)	70, 71
Filter (PED with IQ)	70, 71
Outlet (No PED with IQ)	70
Outlet (PED with IQ)	70
Safety Valve	43
Service (No PED with IQ)	70
Service (PED with IQ)	70
Tee (No PED with IQ)	71
Tee (PED with IQ)	71
Piston	28, 50
Plate	
Clamp	15, 23, 25, 26, 27
Cover	31
Radiator Fill	58
Spacer	66
Tie	59
U-Bolt	10
Plug	
Oil Fill	43
Switch	52
Positive Battery Cable	3
Positive Jumper Cable	3
Probe	
Temperature	73

R

Radiator	31, 32
Radiator Fill Decal	80
Rear Axle Assembly	14
Receptacle	53
Red Clearance Light	10
Reducer	33, 34, 47, 49, 73, 77, 78
Regulator	47
Regulator Heater	2
Relay	
24VDC SPDT	2
IQ	3
Remove Cummins)	65
Resistor	
150 ohm	2
Retainer	53
RH Electric Brake	9
RH Knuckle Assembly	13

Ring	
Clamp	14
Rod	
Link	67
Tie	13
Rotating Fan Decal	80
Rotor Set	25

S

Safety Valve Press Switch	2
Screw	
Hex 1/2-20 X 1.0	18
Hex 1/2-20 X 2.0	18
M16 X 50	17
Quarter Turn	53
Screw (Attach Bracket)	65
Seal	
Valve	51
Seat	
Valve	51
Sender	
Fuel (High Speed)	2
Fuel (Wagon)	2
Fuel Level	35, 36
Pressure (RH Side of Engine)	20
Temp. (Side of Water Pump in Bushing)	20
Sensor	
Temperature	43, 3
Separator	
Water	71, 74
Service Kit (Includes Items	
E	
F	
& G)	51
Shield	
Bottom Dust	9
Top Dust	9
Shim (.051mm)	26, 27
Shim (.076mm)	26
Shim (.254mm)	26
Shim (1.016mm)	23
Silencer	47
Sleeve	
Valve	51
Spacer	
Fan	19
Spring	
Check Valve	50
Door Latch	37, 39
Leaf	8
Main	50
Piston	28
Valve	28
Start / Run Solenoid Valve	2
Startup Compressor	2
Stem	
Valve	28
Step	21

WORD INDEX

Stop
 Turn and Tail Light 10
 Strainer 38
 Fuel 40
 Fuel Tank 35, 36
 Strap
 Rubber 9
 Strip
 Foam Retention 59
 Panel Support 59
 Support 59
 Stud 9, 15, 55
 Support
 Baffle 60
 Bottom Shroud 31
 LH Rear Shroud 31
 LH Shroud 31
 Lower Shock Mount 18
 LRG 17
 Pipe 21, 68, 72
 RH Shroud 31
 Top Rear Shroud 31
 Top Shroud 31
 Upper Shock Mount 18
 Support RH Rear Shroud 31
 Switch
 After Warm-Up 52
 Air Filter 41
 E-stop 2
 Ether 53, 2
 Heater 52, 2
 Hi / Lo 2
 Lamps 52
 Level 32
 Light 2
 Load 2
 Master Cut-Off 55
 Pressure 42
 Start 2
 Starter 53
 Water Level 2

T

Tachometer 53, 2
 Tank
 L.H. Fuel 33, 34
 R.H. Fuel 33, 34
 Separator 43
 Separator (EEC) 43
 Separator (Japanese) 43
 Tee (In Adapter at Eng. Oil Port) 65
 Tee (In Adapter at Engine Oil Port) 65
 Temperature Sender 2
 Terminator
 CAN 2
 Thermistor Temperature Sensor 2

Tie Rod Assy. (Includes A
 B
 C
 A3
 A4) 14
 Tire 9, 14
 To Filter Crossover Tube 75
 To Filter Outlet Tube 75
 To Side Outlet of Tee LH Side of Auto-Blowdown Valve
 73
 To Water Separator Tube 75
 Towing Decal (High Speed Running Gear) 80
 Towing Decal (Wagon Wheel) 80
 Tray
 Battery 55
 Tube 41
 Bottom A/C 69
 Inlet (No PED with IQ) 71
 Inlet (PED with IQ) 71
 Lower Radiator 32
 Scavenge 43
 Upper A/C 69
 Upper Radiator 32
 Tube Assembly 44, 47
 Tubing 30
 Tubing (18 Inches) 33, 34

U

Union 37, 39
 Unloader Assembly 22

V

Valve 29
 Ball 32, 49, 68, 76, 77, 78, 79
 Ball (MSA) 72
 Ball (No PED
 with IQ) 72
 Ball (PED
 with IQ) 72
 Blowdown 47, 73
 Check 47
 Minimum Pressure 68
 Minimum Pressure (No PED) 70
 Minimum Pressure (With PED) 70
 Safety 43, 49
 Solenoid 47, 49
 Unloader 28
 Valve and Bracket Assembly 30
 Voltmeter 2

W

Washer 8, 9, 13, 14, 19, 22, 30, 37, 39, 54, 55, 66, 67,
 68, 70
 Flat 15, 16
 Lock 9, 10, 15
 Piston 28
 Wedge Controller 3

WORD INDEX

Well

Thermostat 65

Wheel 9, 14

Wiring Diagram Laminates 81

Wiring Parts Lists 2, 3

Wrap

Exhaust 21

Y

Yellow Light 10

Y-Strainer 74

WORD INDEX



Ingersoll Rand Company
Utility Equipment
P.O. Box 868 - 501 Sanford Ave
Mocksville, N.C. 27028