



PARTS MANUAL

COMPRESSOR MODEL

XP750WCU

HP675WCU

XP825WCU

HP750WCU

CODE: D & F

CODE: D & F



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
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www.irutilityequipment.com

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Parts Ordering



Parts Ordering

General

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

NOTICE

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

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

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

Description

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

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

Fasteners

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

How to Order

Always specify the model and serial number of the unit.

Specify the part number and description.

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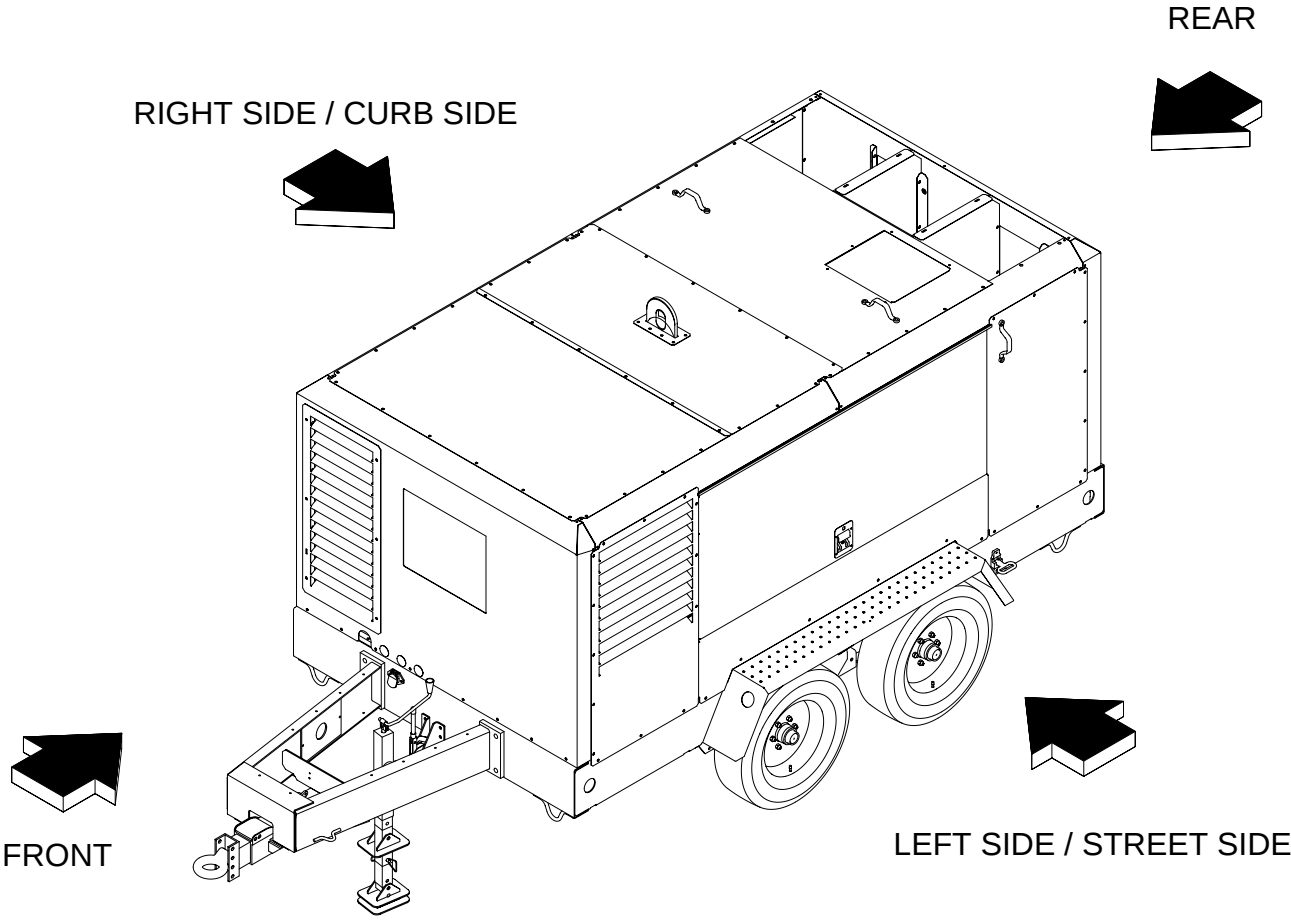
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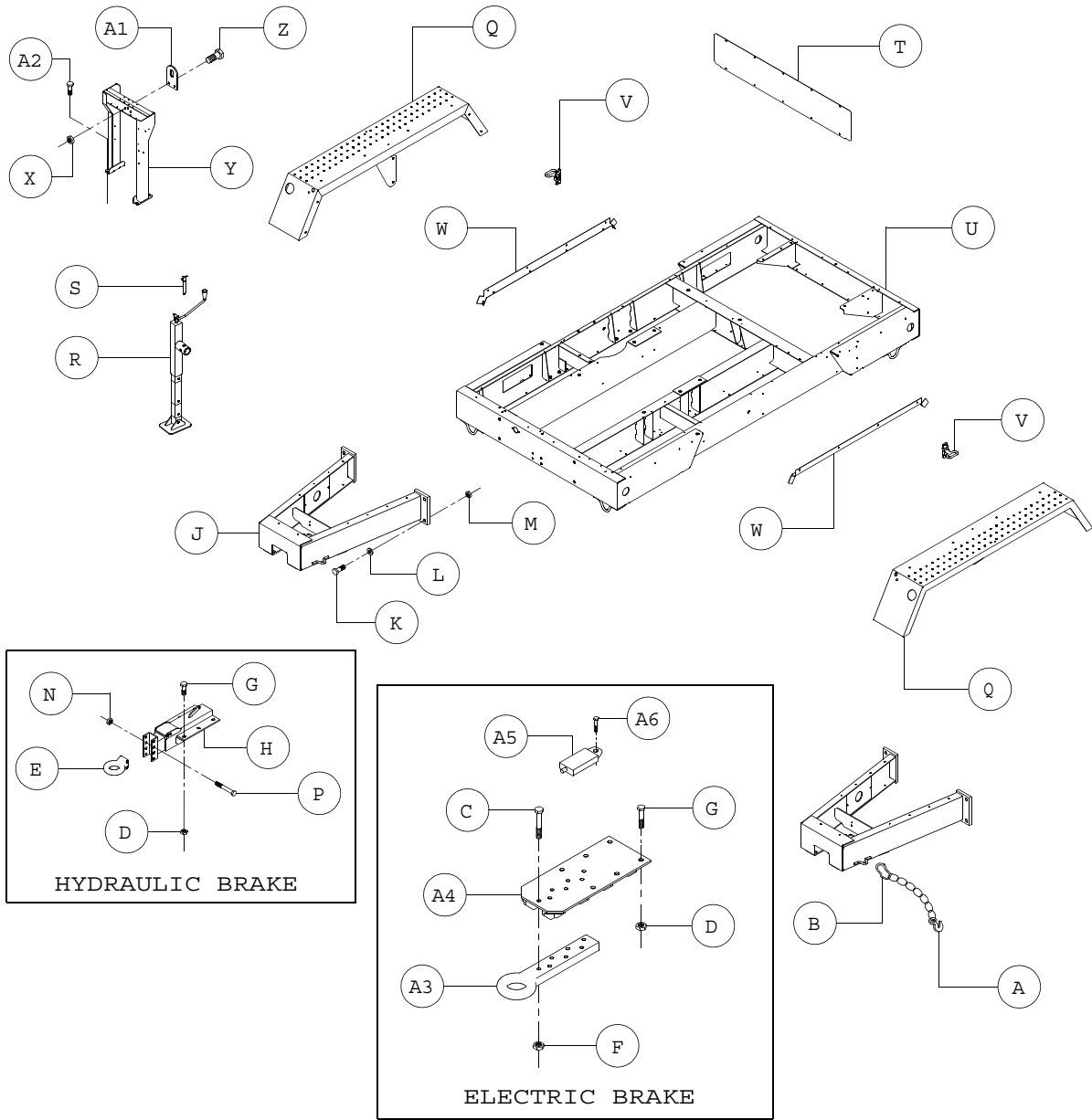
Parts List



General Arrangement

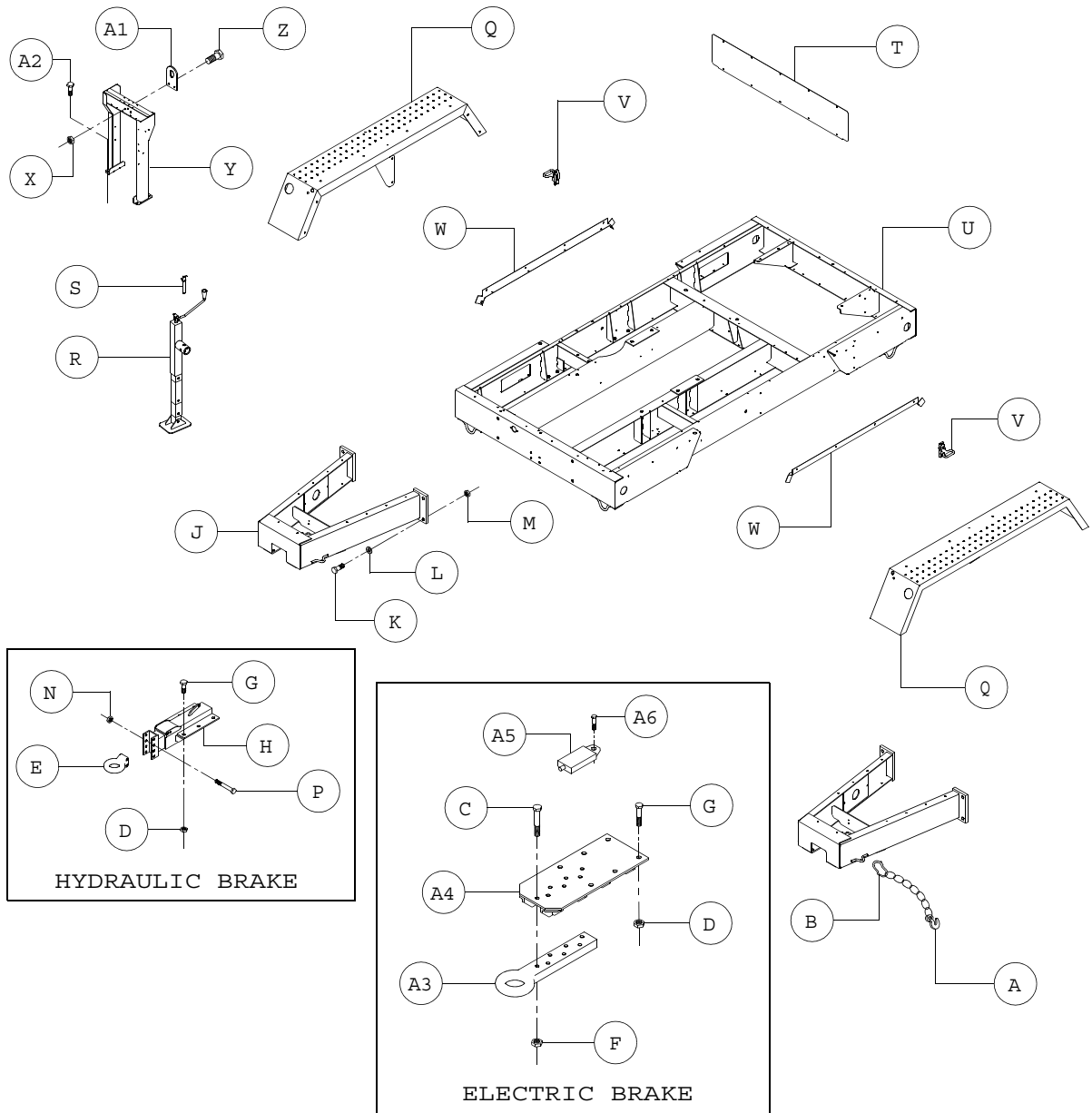


HSRG Frame Assembly



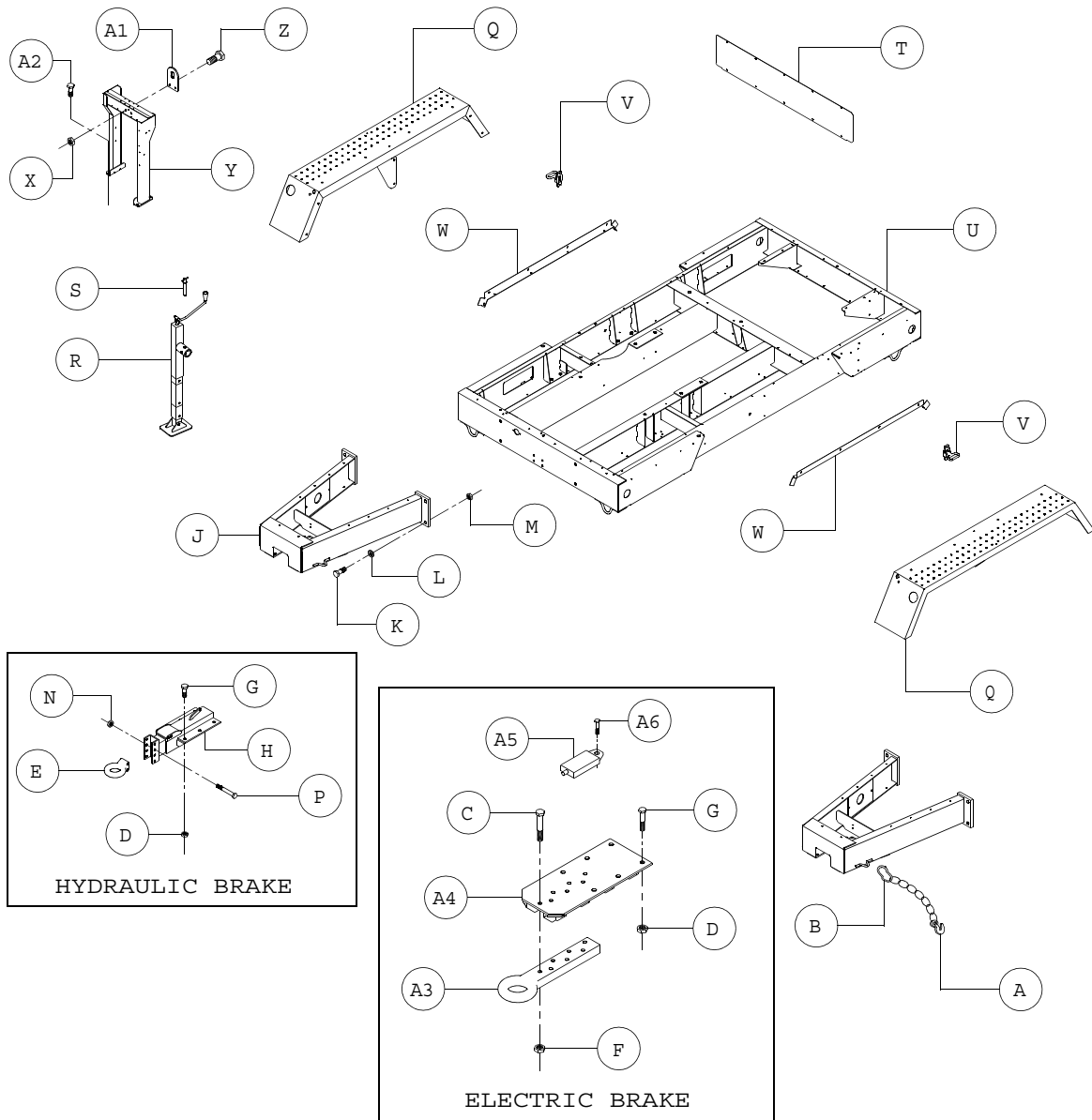
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35604636	Chain Assembly	2	<i>Continued.....</i>
B	35369800	Coupling, Chain	2	
C	95934170	Screw	7	
D	35356526	Nut	6	
E	35605187	Eye, Pintle	1	
F	35374453	Nut	7	
G	35272558	Screw	6	
H	36734879	Actuator, Brake	1	
J	22247191	Drawbar	1	
K	35375963	Screw	4	

HSRG Frame Assembly



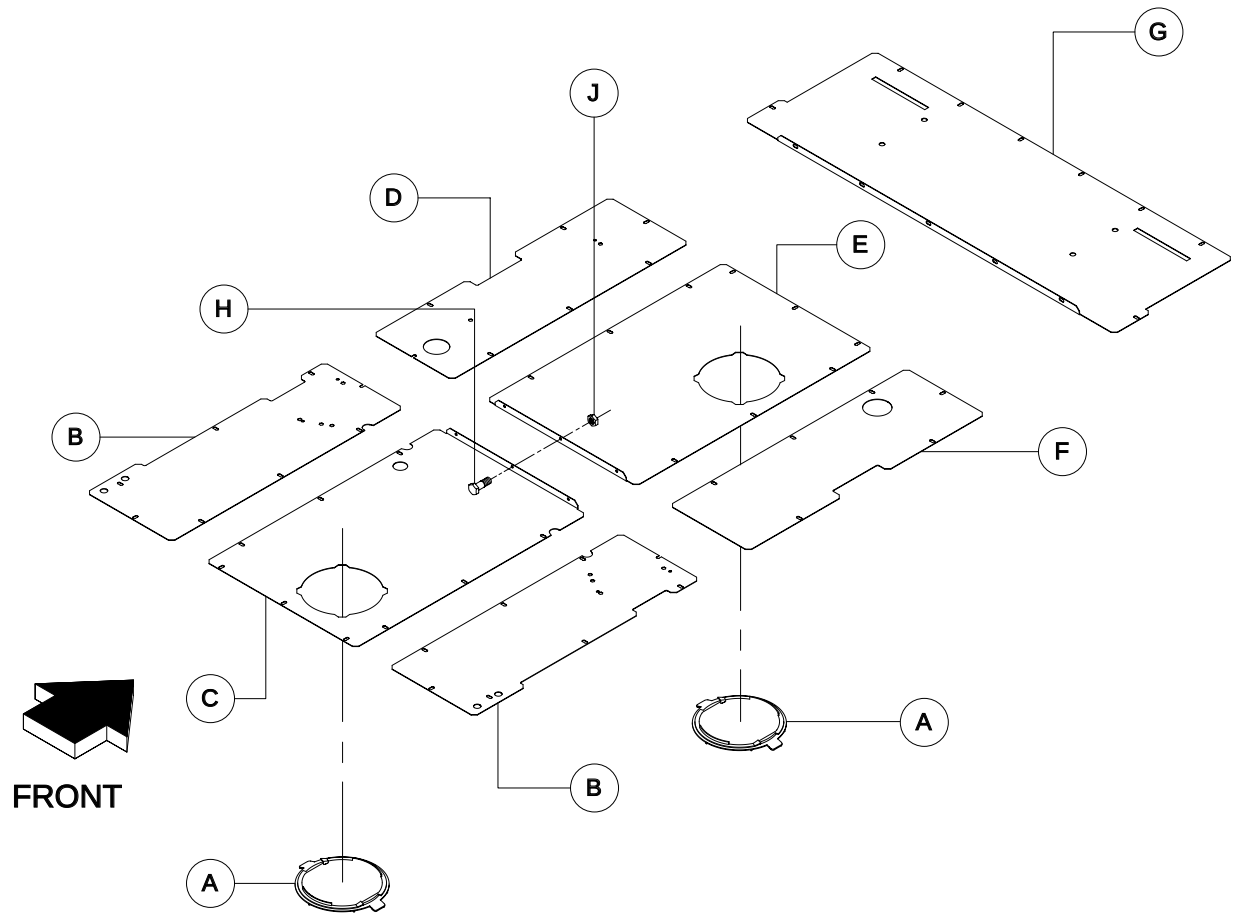
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	95935011	Washer	8	Continued
M	35356526	Nut	4	
N	96701750	Nut	4	
P	35376094	Screw	2	
Q	22193718	Fender	2	
	22193734	Fender, Galvaneal	2	
R	36870111	Jack, Drawbar	1	
S	35609544	Pin	1	
T	22231732	Bellypan, Discharge	1	
U	22157556	Frame, HSRG	1	
V	35369313	Step, Folding	2	Continued.....

HSRG Frame Assembly



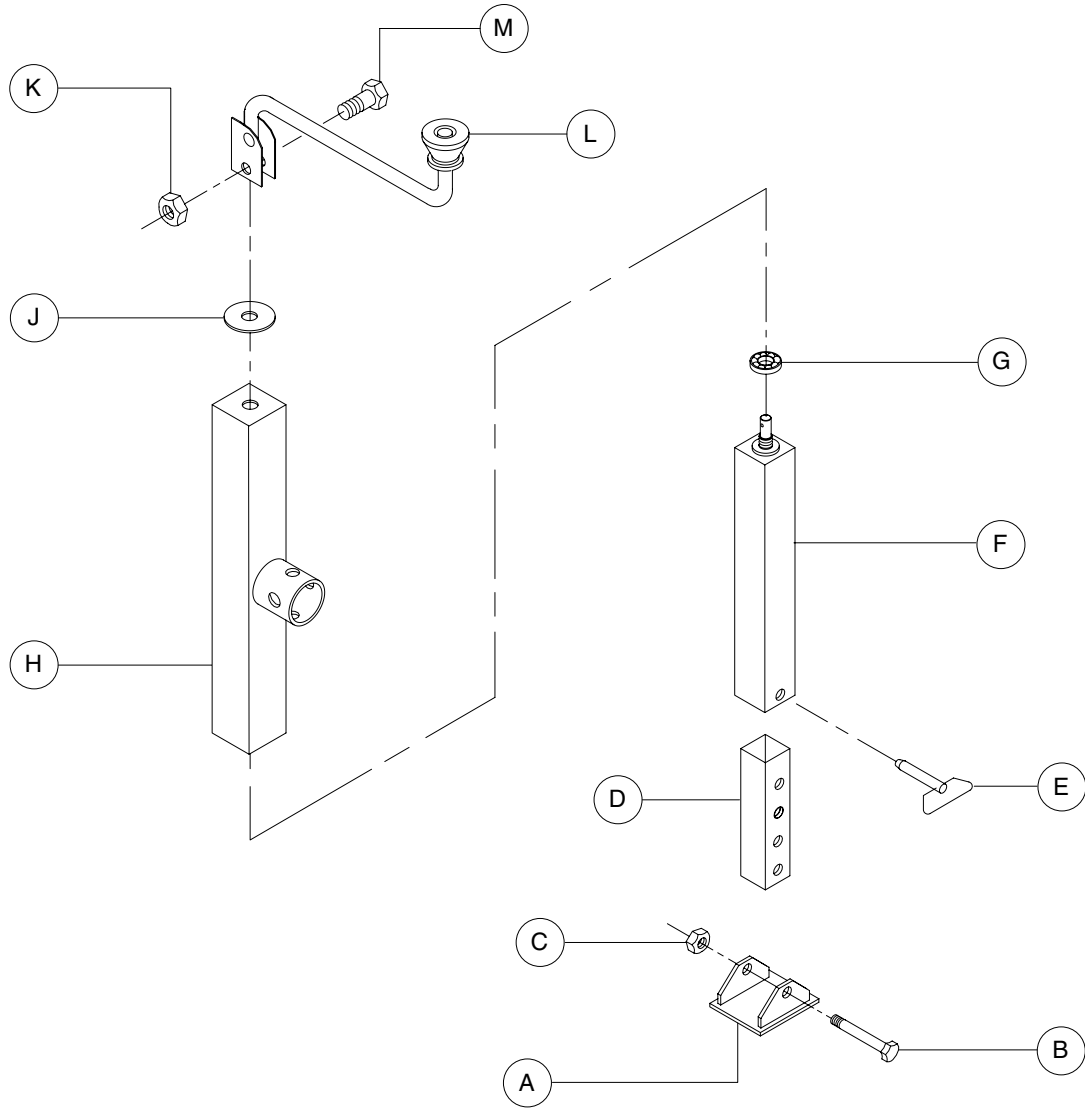
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
W	22199582	Bracket, Fender	2	 <i>Continued</i>
X	96702741	Nut	2	
Y	22159859	Bail, Lifting	1	
Z	36763670	Screw	2	
A1	22182307	Plate, Lifting	1	
A2	96700901	Screw	4	
A3	35327840	Eye, Pintle	1	
A4	36742880	Bracket, Pintle Eye	1	
A5	35315944	Switch, Break-Away	1	
A6	36797652	Screw	1	

HSRG Belly Pans



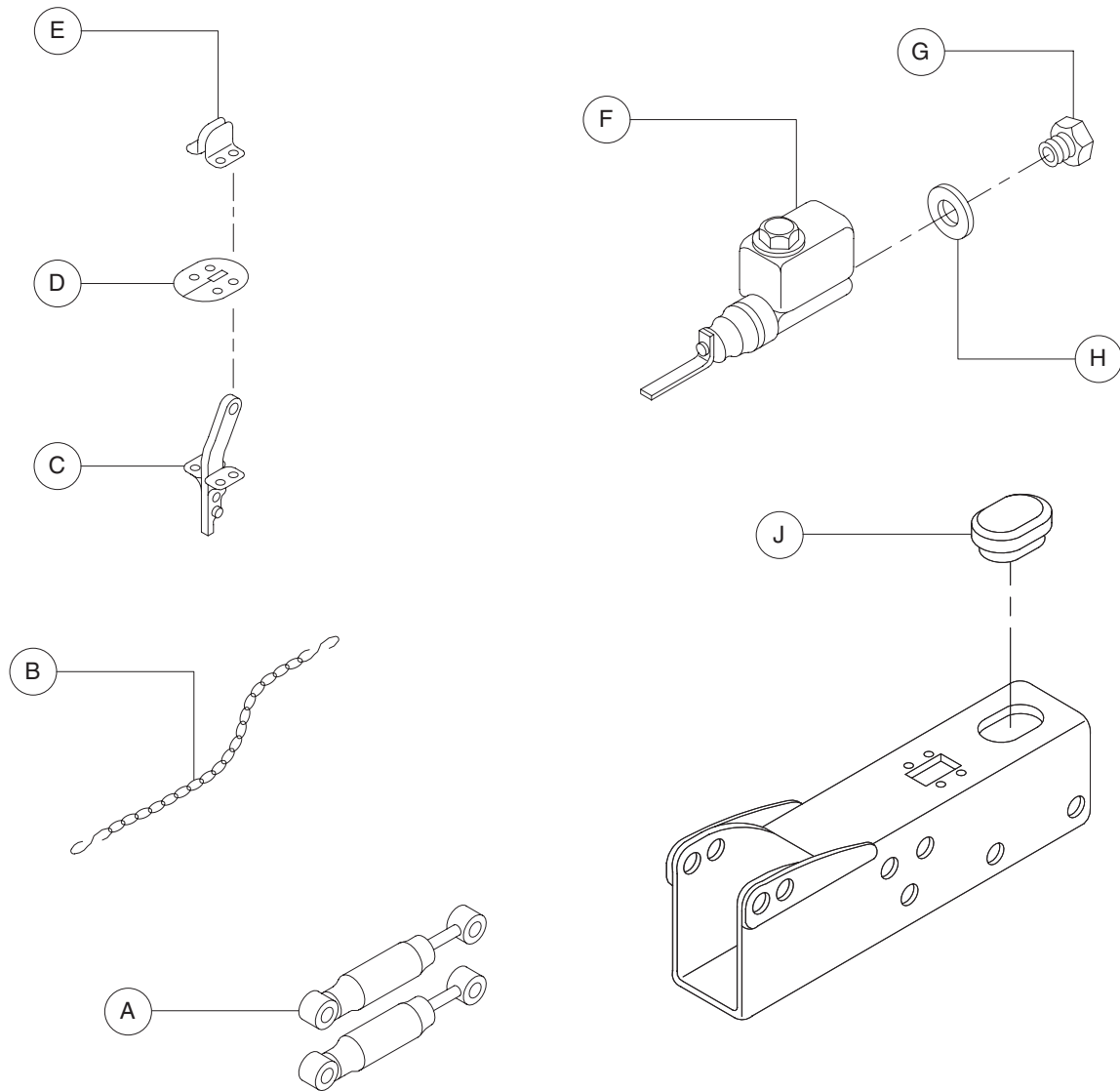
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36880623	Cover, Access	2	
B	22231674	Bellypan, Front Outside	2	
C	22384754	Bellypan, Air End	1	
D	22231682	Bellypan, Right Middle	1	
E	22384747	Bellypan, Engine	1	
F	22231690	Bellypan, Left Middle	1	
G	22231724	Bellypan, Rear Discharge	1	
	35279025	Screw		M8 - 1.20 X 20
	36895746	Nutsert		
H	36889608	Screw	3	M8 - 1.25 X 25
J	36881886	Nut	3	M8 X 1.25

Drawbar Jack Assembly



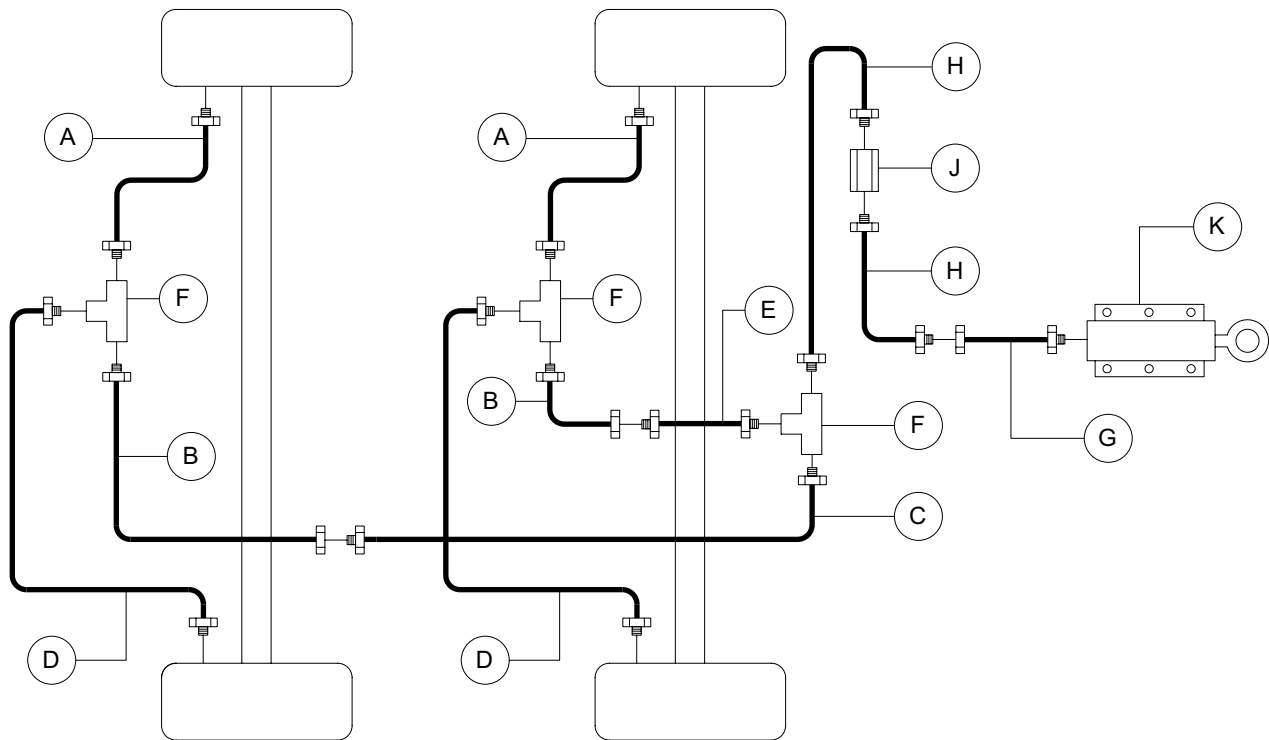
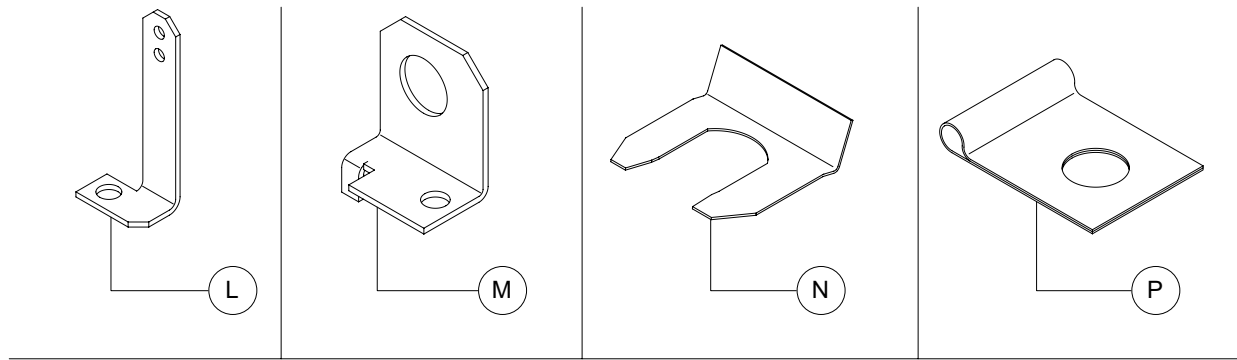
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36870145	Base, Jack	1	
B	95954087	Bolt	1	
C	35336700	Nut, Lock	1	
D	36870087	Drop Leg and Sleeve	1	
E	36870095	Pin, Pull	1	
	36870103	Clip	1	
F	36870053	Tube, Inner	1	
G	36870079	Bearing, Thrust	1	
H	36870129	Tube, Outer	1	
J	95935011	Washer	1	
K	95923314	Nut, Lock	1	
L	36870061	Crank Assembly	1	
M	95935235	Bolt	1	
	36870111	Drawbar Jack Assembly	1	

Brake Actuator Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35373026	Damper	2	
B	35373083	S-Hook	2	
	35373091	Chain	1	
C	35373042	Lever Assembly	1	
D	35373059	Seal Weather	1	
E	35373067	Lock, Right	1	
	35373075	Lock, Left	1	
F	35373117	Cylinder, Master	1	
	35376433	Kit, Cylinder Repair	1	
G	35373109	Connector	1	
H	35373125	Gasket	1	
J	35373034	Cover	1	

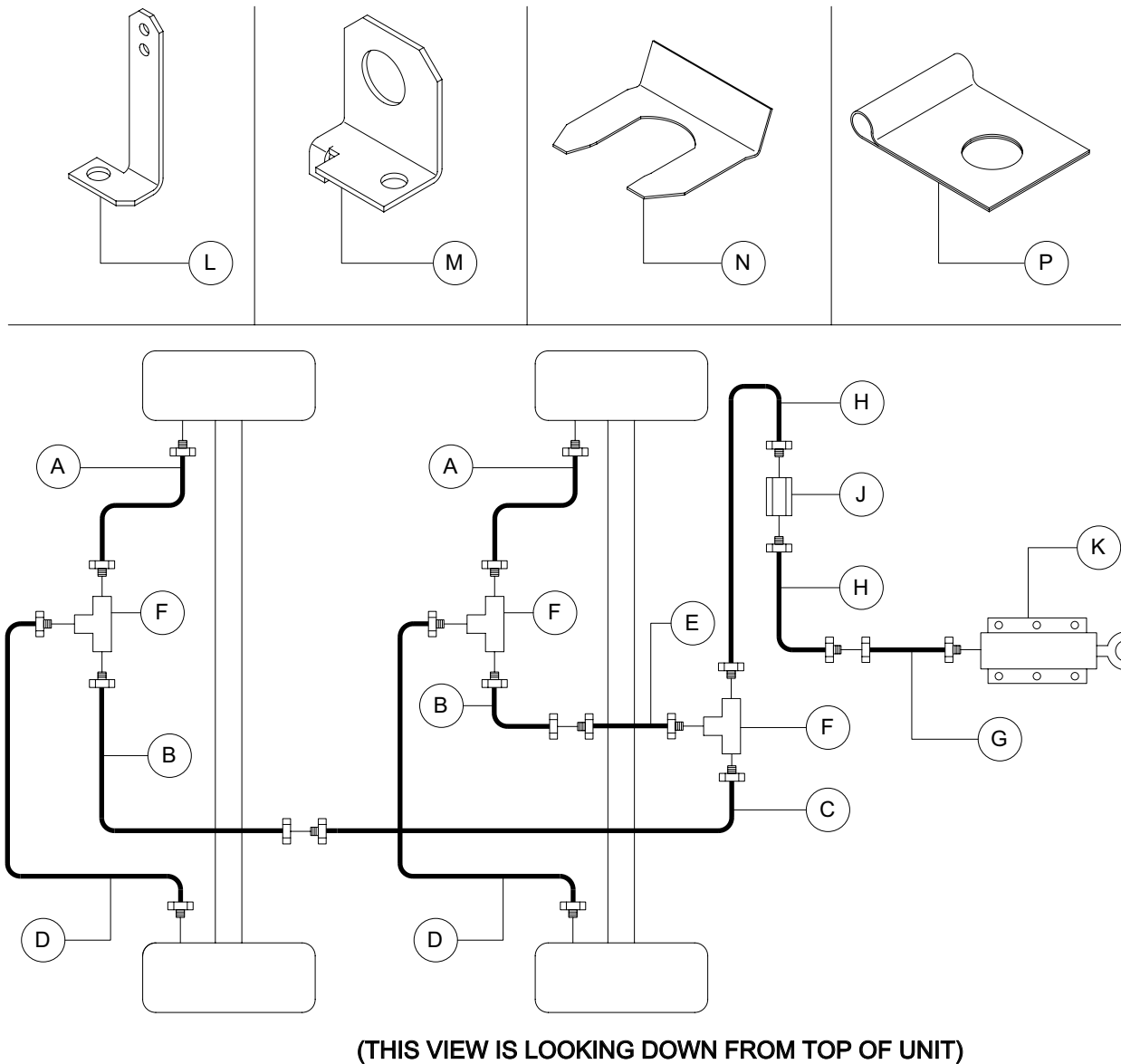
Hydraulic Brake Piping



(THIS VIEW IS LOOKING DOWN FROM TOP OF UNIT)

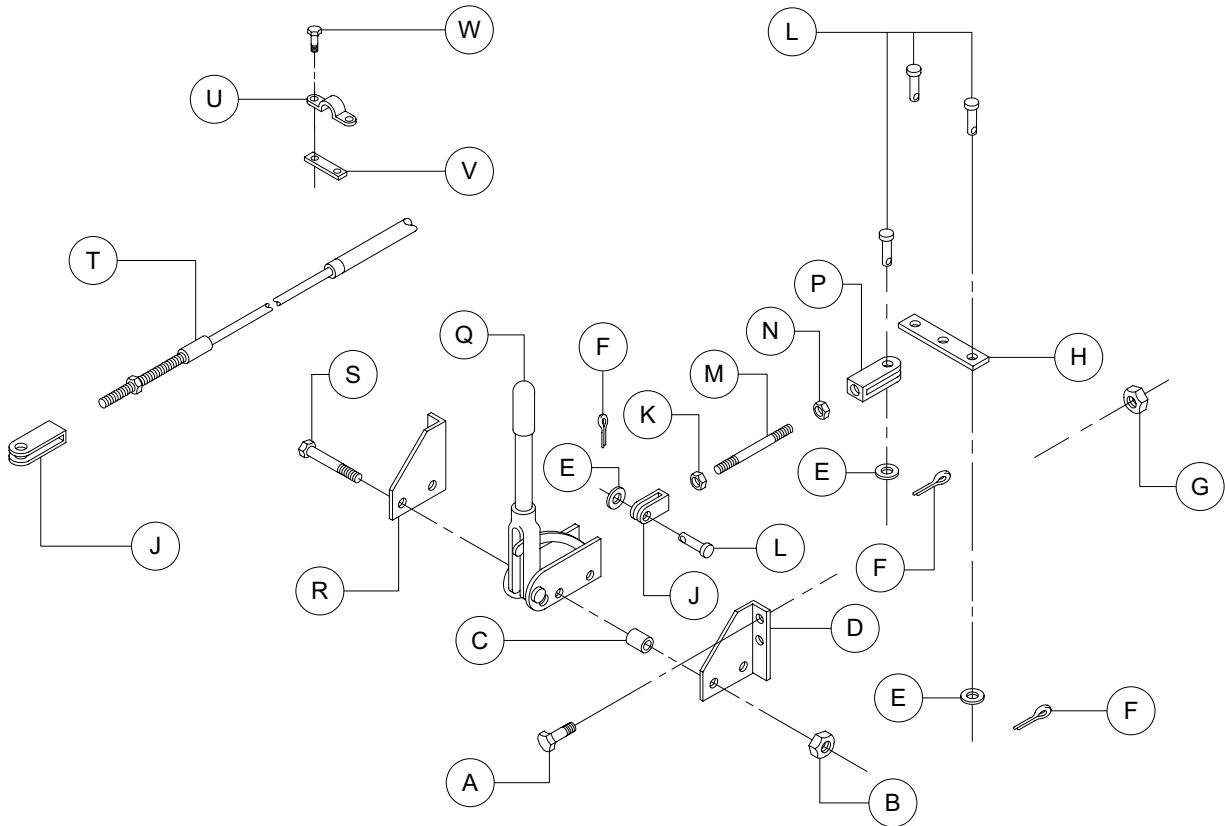
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36867281	Tube Assembly	2	Continued.....
B	35356377	Hose Assembly	2	
C	36894699	Tube Assembly	1	
D	36867489	Tube Assembly	2	
E	36867273	Tube Assembly	1	
F	35356328	Tee	3	
G	35356369	Hose Assembly	1	
H	35356401	Tube Assembly	2	
J	35356336	Union	1	
K	36734879	Hydraulic Brake Actuator	1	

Hydraulic Brake Piping



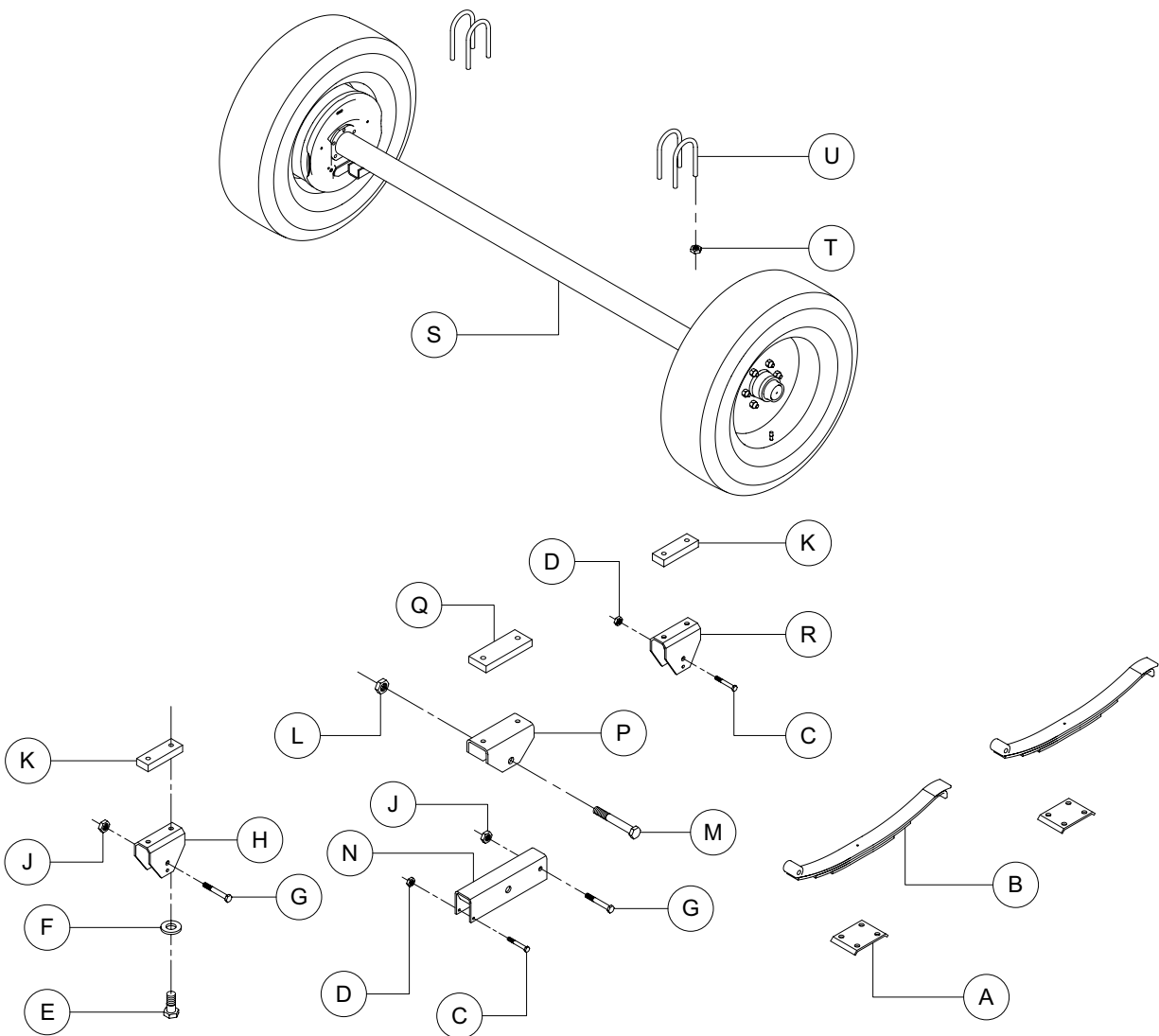
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22262323	Bracket, Tee	2	Continued 1/2 - 20 M6 X 20 M6 - 1.0
	95935102	Nut	2	
	36898096	Screw	2	
	36898104	Nut	2	
M	35356310	Bracket, Hose	3	
N	35356302	Clip, Hose	3	
P	37001252	Clamp, Tube	3	

Parking Brake Assembly (HSRG)



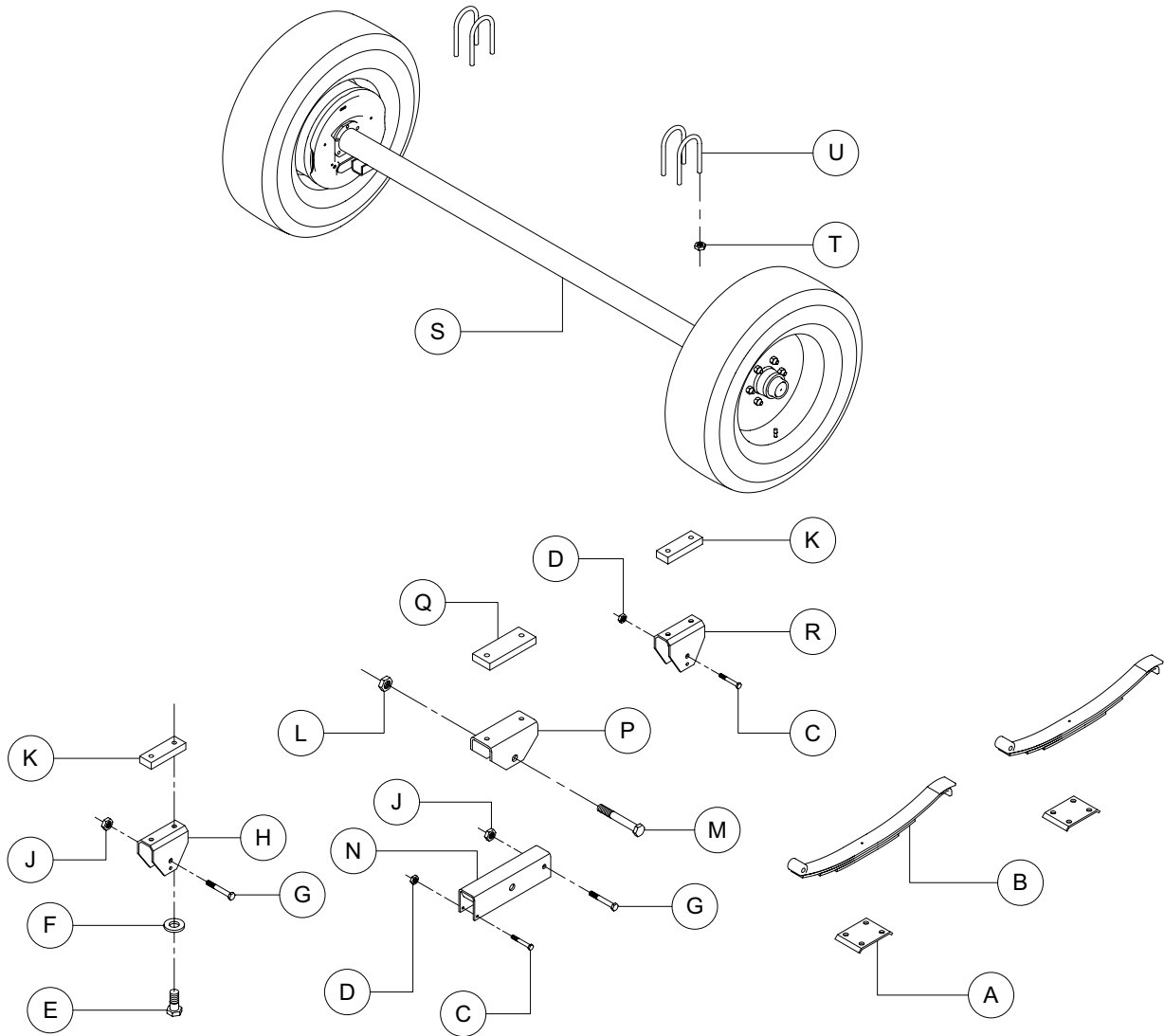
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702311	Screw	4	M12 - 1.75 X 30
B	36879195	Nut	2	M10
C	35603224	Spacer	2	
D	36847440	Bracket, Left	1	
E	95934998	Washer	4	
F	95928867	Pin, Cotter	4	
G	96701743	Nut	4	
H	35602846	Bracket	1	
J	35603216	Clevis	1	
K	95935086	Nut	1	
L	35357151	Pin	4	
M	35603182	Rod, Link	1	
N	35118728	Nut	1	
P	35603208	Clevis	1	
Q	35857382	Lever	1	
R	36847432	Bracket, Right	1	
S	35376946	Screw	2	
T	36880698	Cable (Electric Brakes)	2	53"
	35857408	Cable (Hydraulic Brakes)	2	
U	35602895	Clamp	2	
V	35602903	Spacer	2	
W	35271162	Screw	4	M8 - 1.25 X 30

High Speed Running Gear



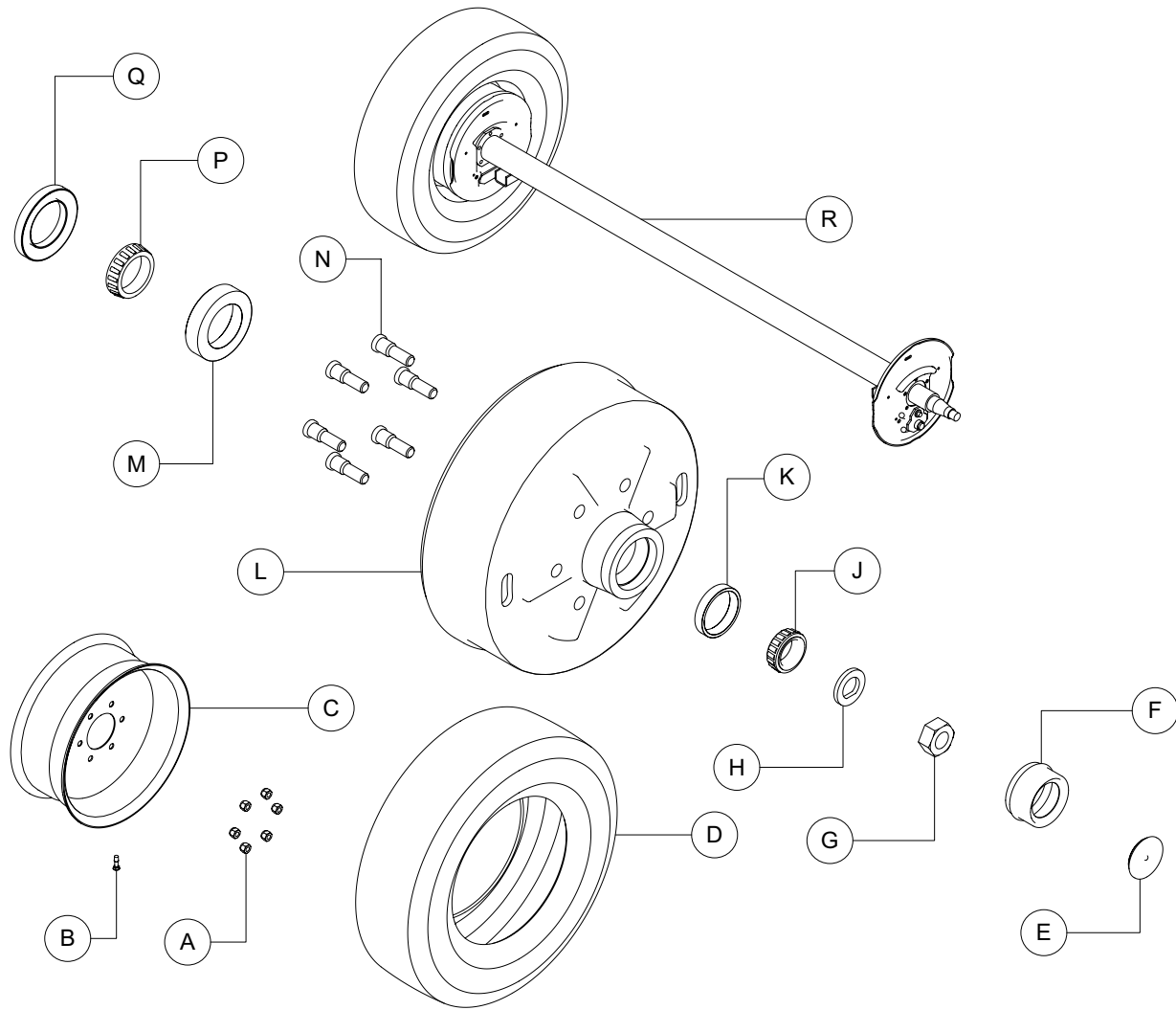
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35315241	Plate, Tie	4	M12 - 1.75 X 70
B	35315126	Spring	4	
C	35315365	Screw	4	
D	35315373	Nut	4	
E	96739958	Screw	12	
F	95935003	Washer	12	
G	35315340	Screw	4	
H	35326958	Hanger, Front	2	
J	35315357	Nut	4	
K	22278212	Spacer	4	
L	36784882	Nut	2	
				Continued.....

High Speed Running Gear



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	36784874	Screw	2	Continued
N	35356930	Equalizer	2	
P	36895225	Hanger, Center	2	
Q	22278196	Spacer, Center	2	
R	35326966	Hanger, Rear	2	
S	22193015	Axle with Electrical Brake	2	
	22161343	Axle Hydraulic Front	1	
	22161350	Axle Hydraulic Rear	1	
T	35315258	Nut	16	
U	35316959	U-Bolt	8	
	36875508	Electrical Brake Harness	1	

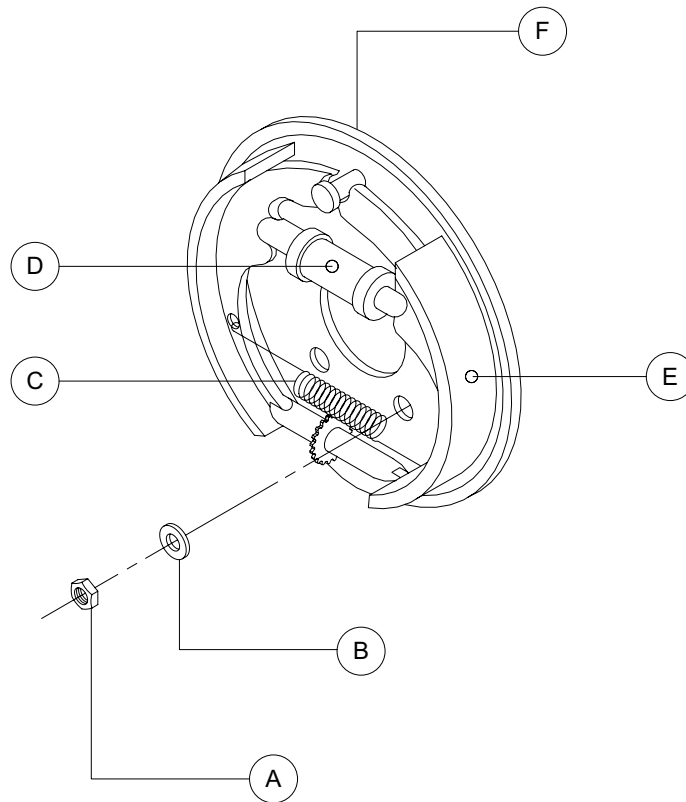
High Speed Running Gear



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35315274	Nut, Lug	24	
B	35282565	Stem, Valve	4	
C	35318757	Wheel	4	
D	22253041	Tire	4	
E	35379387	Cover, Rubber	4	
F	35379395	Cover, Bearing	4	
G	35315217	Nut	4	
H	35315209	Washer	4	
J	35318849	Bearing, Outer Wheel	4	
K	35318831	Race, Bearing	4	
L	35390459	Drum, Brake	4	
M	35316884	Race, Bearing	4	
N	35361898	Stud, Hub	24	
P	35316876	Bearing, Inner Wheel	4	
Q	35316868	Seal, Hub	4	
R	22346126	Beam, Axle	2	

Hydraulic Brakes (With Park Brake - Front Axle)

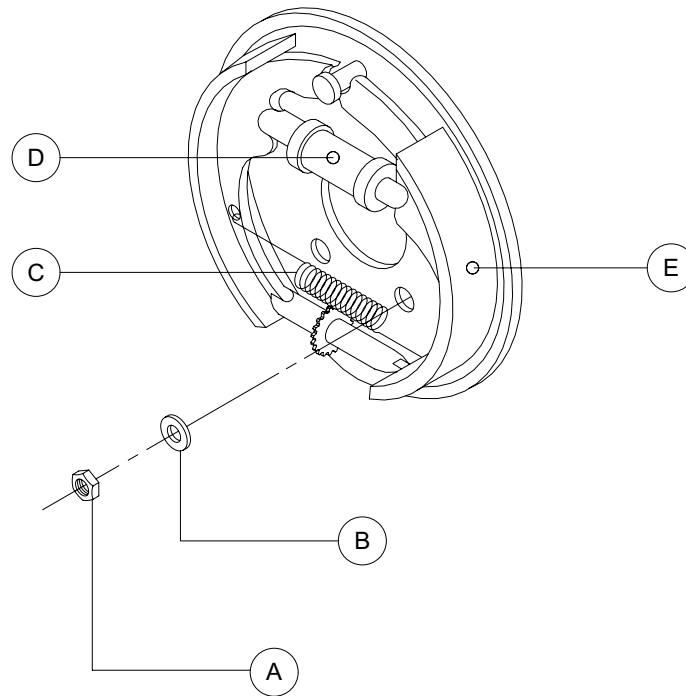
USED ON AXLE NO. 22161343



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356872	Nut	10	
B	35356864	Washer	10	
C	36895795	Kit, Brake Spring	2	
D	36867851	Kit, Left Brake Cylinder	1	
	36867885	Kit, Right Brake Cylinder	1	
E	36895779	Kit, Left Shoe and Lining	1	
	36895787	Kit, Right Shoe and Lining	1	
F	35393834	Plate, Left Backing, Assembly	1	
	35393842	Plate, Right Backing, Assembly	1	
	36895241	Complete Left Brake Assembly	1	
	36895258	Complete Right Brake Assembly	1	

Hydraulic Brakes (No Park Brake - Rear Axle)

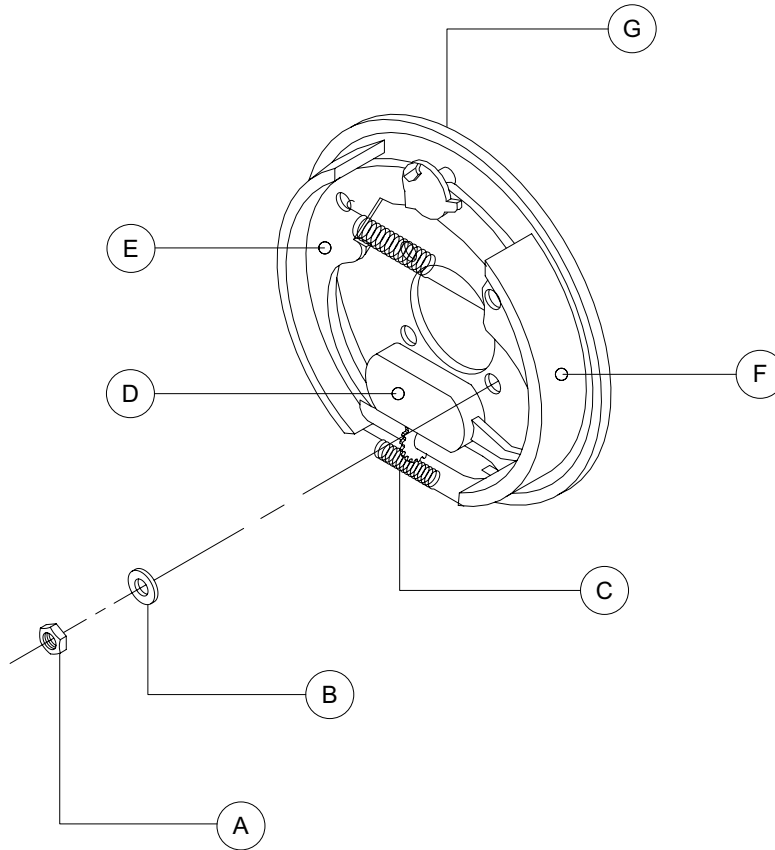
USED ON AXLE NO. 22161350



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356872	Nut	10	
B	35356864	Washer	10	
C	36895795	Kit, Brake Spring	2	
D	36867851	Kit, Left Brake Cylinder	1	
	36867885	Kit, Right Brake Cylinder	1	
E	36895779	Kit, Left Shoe and Lining	1	
	36895787	Kit, Right Shoe and Lining	1	
	35388628	Complete Left Brake Assembly	1	
	35388636	Complete Right Brake Assembly	1	

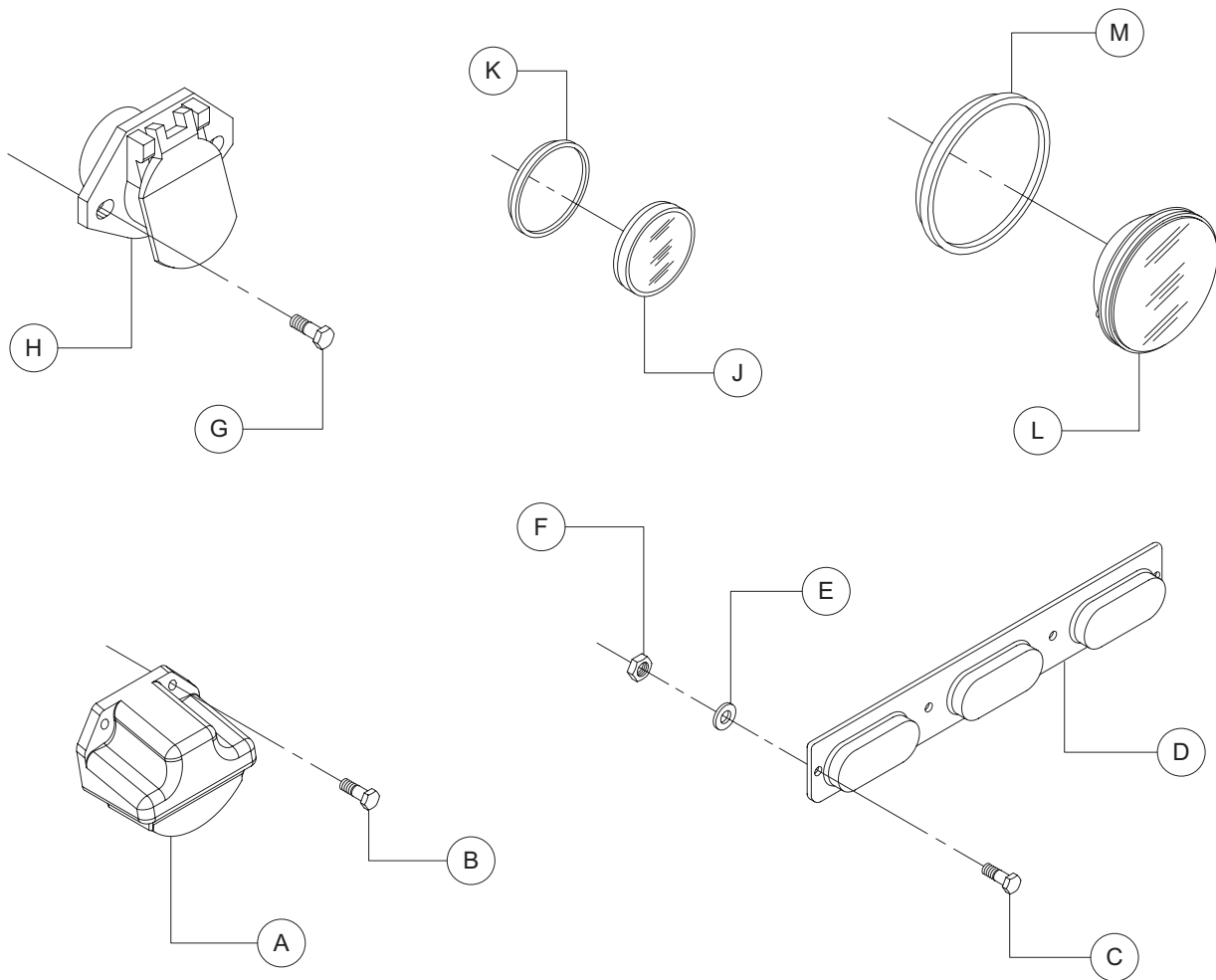
Electrical Brakes (With Park Brake - Both Axle)

USED ON AXLE NO. 22193015



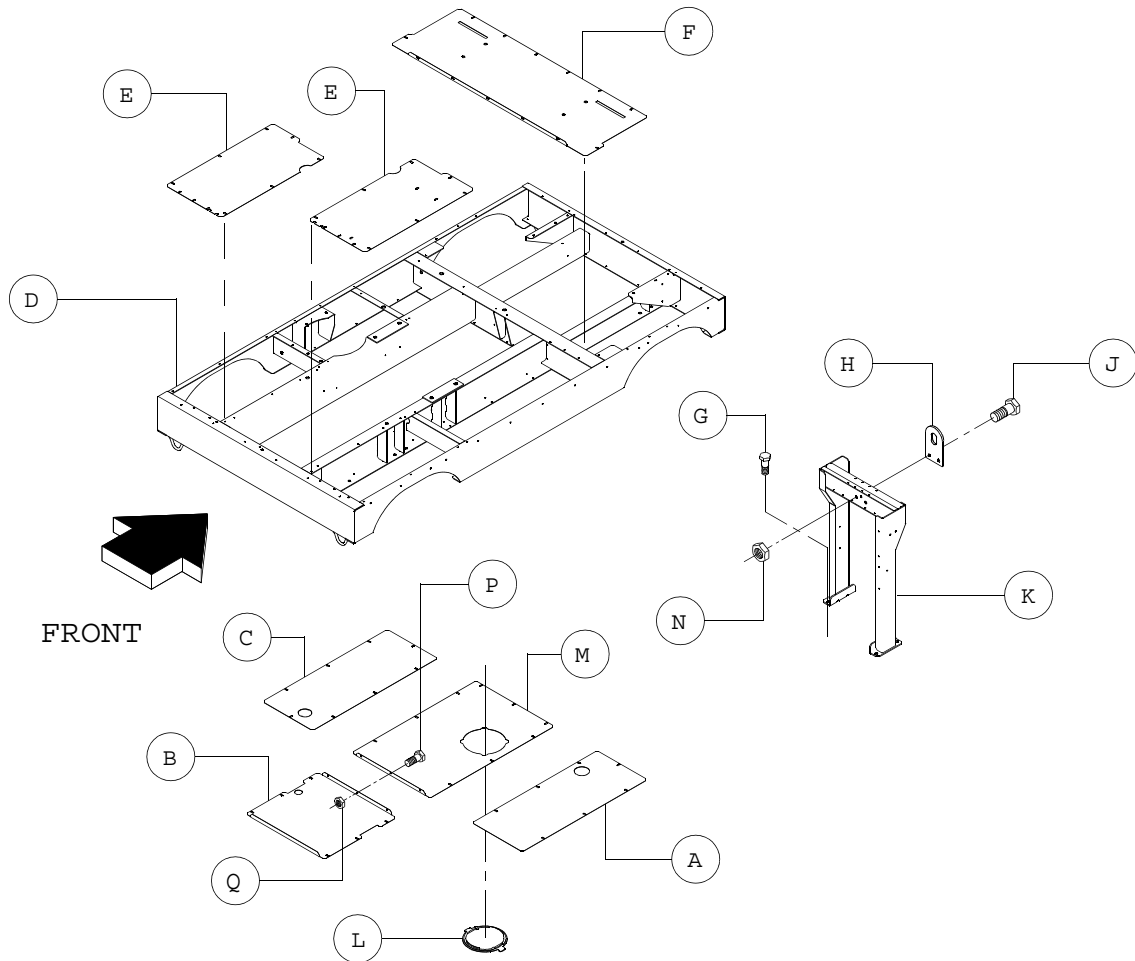
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356872	Nut	10	
B	35356864	Washer	10	
C	35393727	Kit, Adjusting Screw and Spring	2	
D	36895811	Kit, Magnet	2	
E	36895829	Kit, Left Actuating Lever	1	
	36895837	Kit, Right Actuating Lever	1	
F	36895803	Kit, Shoe and Lining	2	
G	35393859	Plate, Left Backing, Assembly	1	
	35393867	Plate, Right Backing, Assembly	1	
	35390814	Complete Left Brake Assembly	1	
	35390822	Complete Right Brake Assembly	1	

Running Lights Assembly



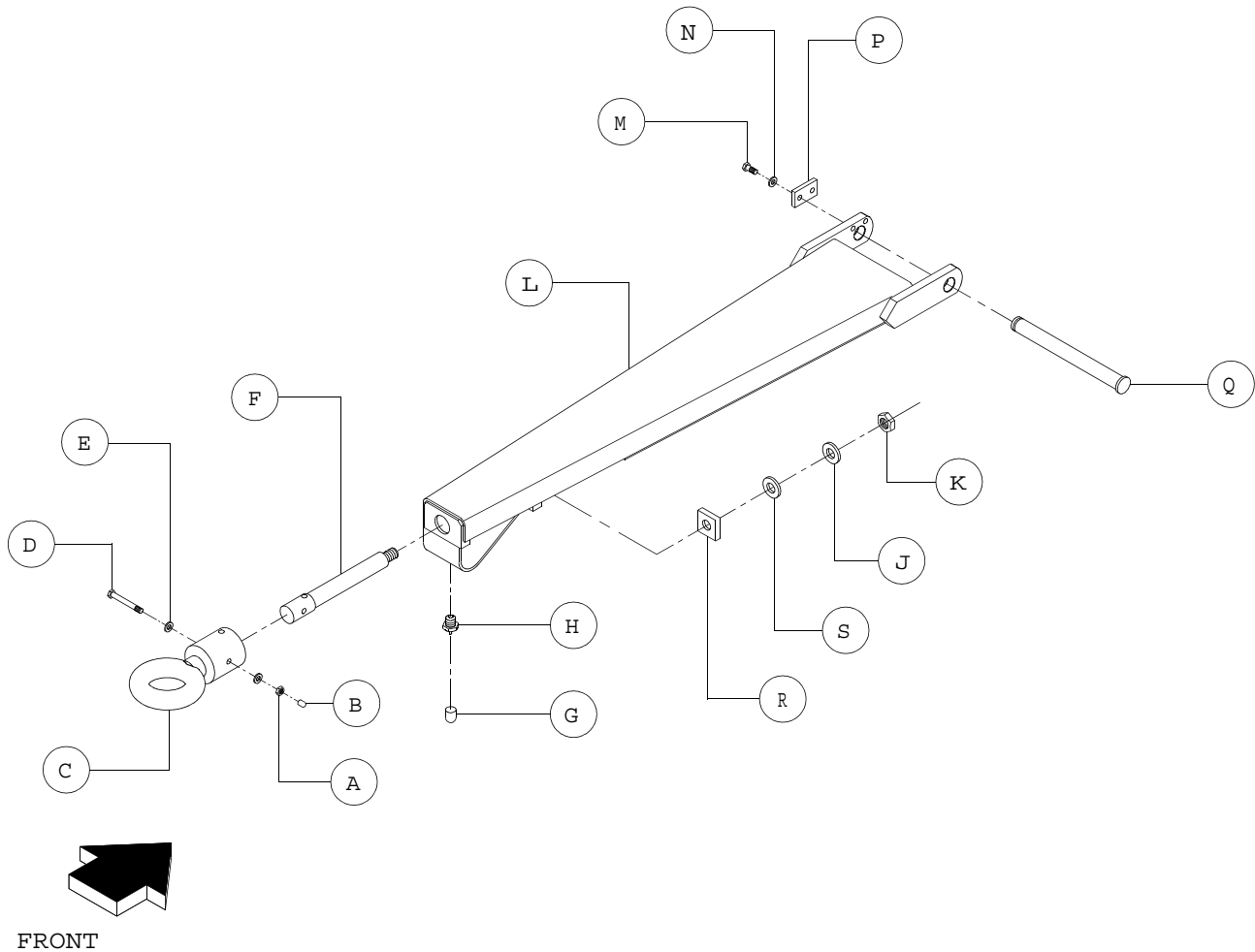
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881910	Light, License Plate	1	M6 - 1.0 X 20
B	35300771	Screw	2	
C	95922134	Screw	2	
D	36922144	3 - Light Assembly	1	M8 - 1.25 X 20
E	95938692	Washer	2	
F	35265388	Nut	2	
G	35279025	Screw	2	
H	36894129	Connector, 7 - Way	1	
J	35367044	Red Light Assembly	4	
	35367051	Yellow Light Assembly	4	
K	36893634	Grommet	8	
L	36788081	Stop, Turn, Tail Light Assembly	4	
M	36787968	Grommet	4	
	22312169	Light Harness	1	

Steerable Frame and Bellypans



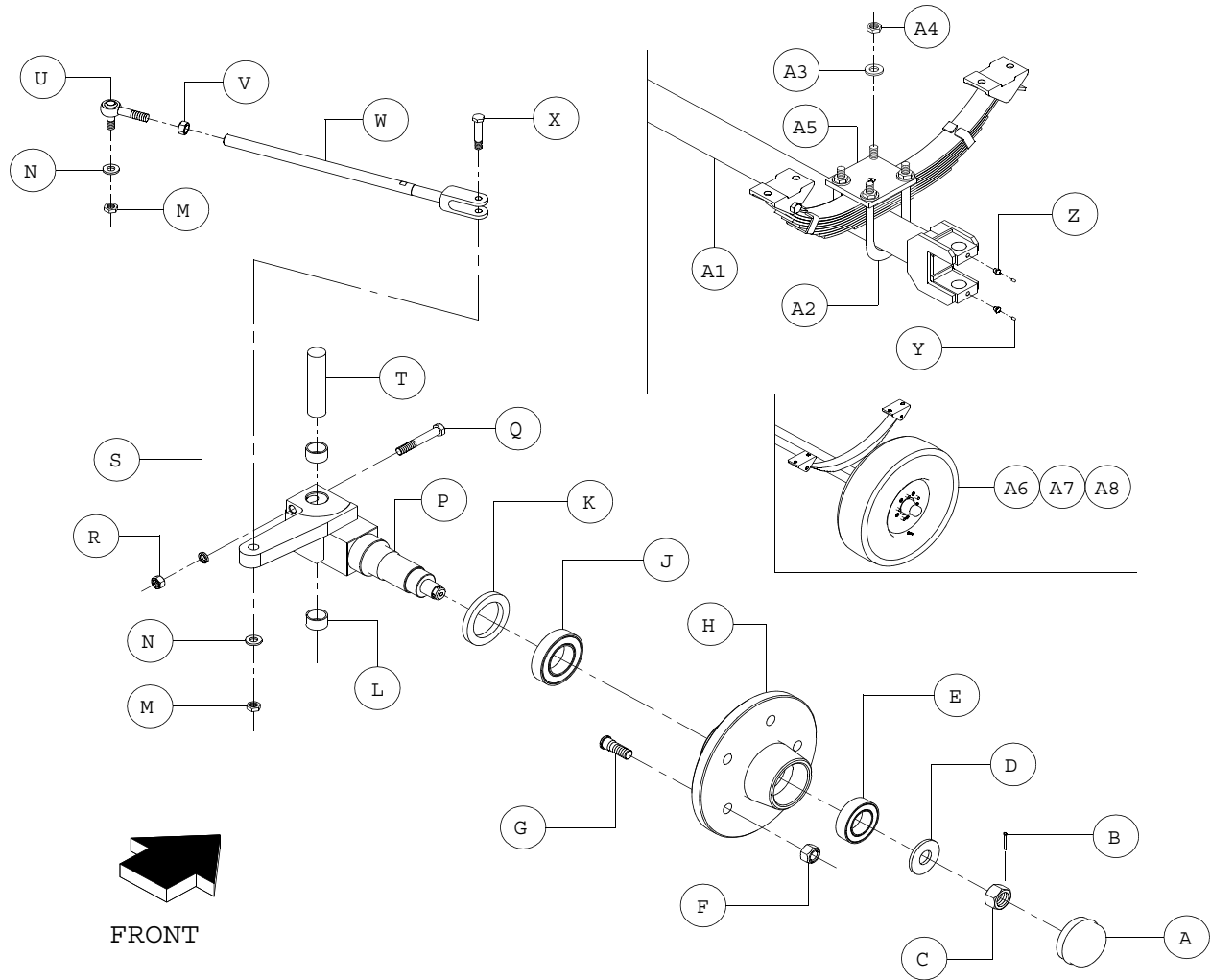
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22231716	Bellypan, Middle Fuel Tank	1	
B	22384762	Bellypan, Air End	1	
C	22231708	Bellypan, Middle	1	
D	22197370	Frame, Wagon Wheel	1	
E	22231666	Bellypan, Front	2	
F	22231724	Bellypan, Discharge	1	
G	96700901	Screw	4	M20 - 2.50 X 40
H	22182307	Plate, Lifting Bail	1	
J	36763670	Screw	2	M20 - 2.50 X 60
K	22159859	Bail, Lifting	1	
L	36880623	Cover, Access	1	
M	22384747	Bellypan, Engine	1	
	35279025	Screw		M8 - 1.25 X 20
	36895746	Nutsert		
N	96702741	Nut	2	M20 - 2.5
P	36889608	Screw	3	M8 - 1.25 X 25
Q	36881886	Nut	3	M8 - 1.25

Steerable Running Gear



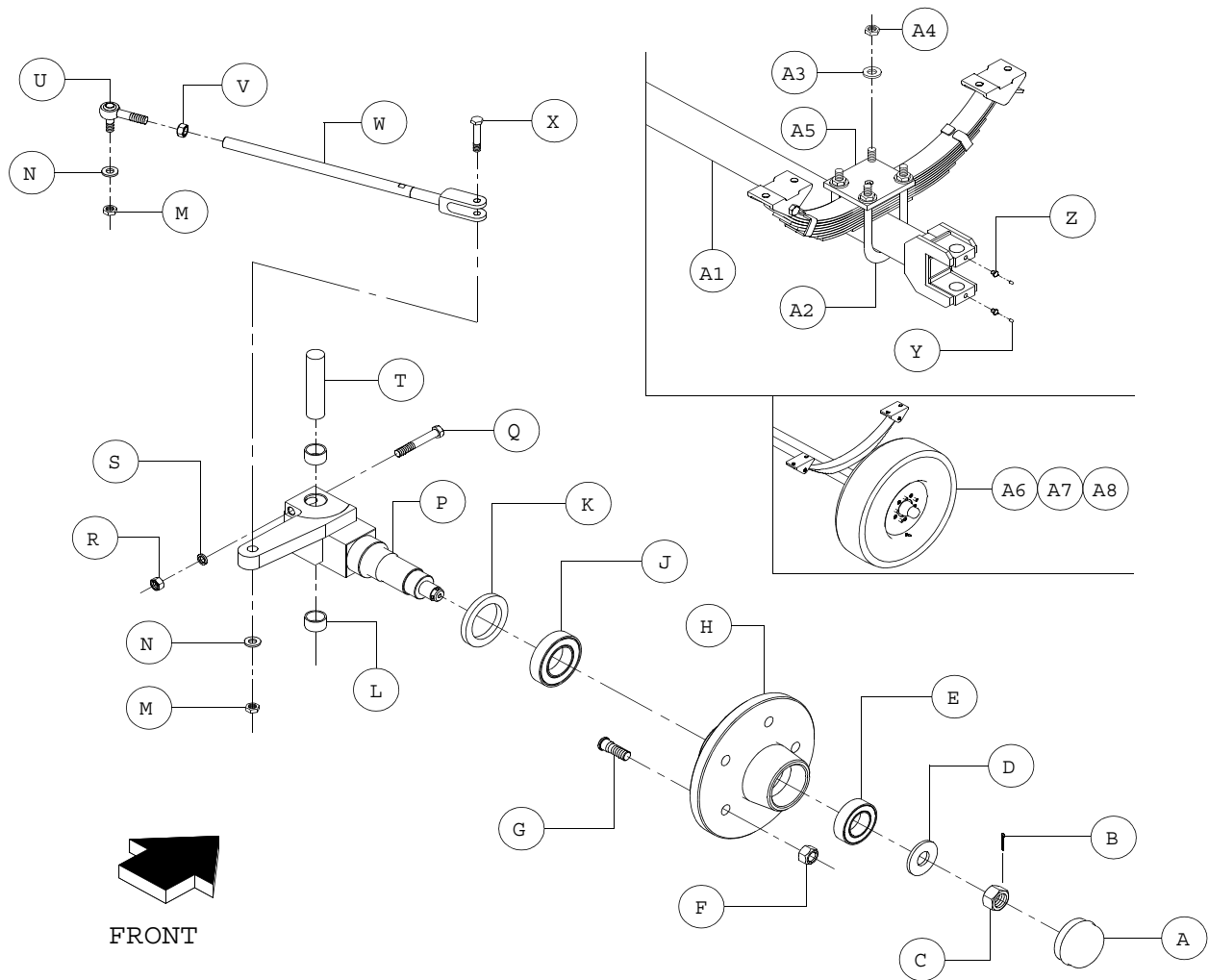
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22391833	Nut, Lock	2	
B	22391841	Cap	2	
C	22391809	Eye, Pintle	1	
D	22391817	Screw	2	
E	22391825	Washer	4	
F	22407761	Shaft, Tow Bar	1	
G	22391858	Cap, Grease Fitting	2	
H	22391767	Fitting, Grease	2	
J	22391783	Washer	1	
K	22391791	Nut, Lock	1	
L	22391759	Drawbar	1	
M	22391890	Screw	2	
N	22391882	Washer	2	
P	22391874	Plate	1	
Q	22391866	Pin	1	
	22407753	Drawbar Assembly (Items A thru S)	1	
R	22407787	Plate, Rotation Stop	1	
S	22407779	Washer	1	

Steerable Running Gear (Front Axle)



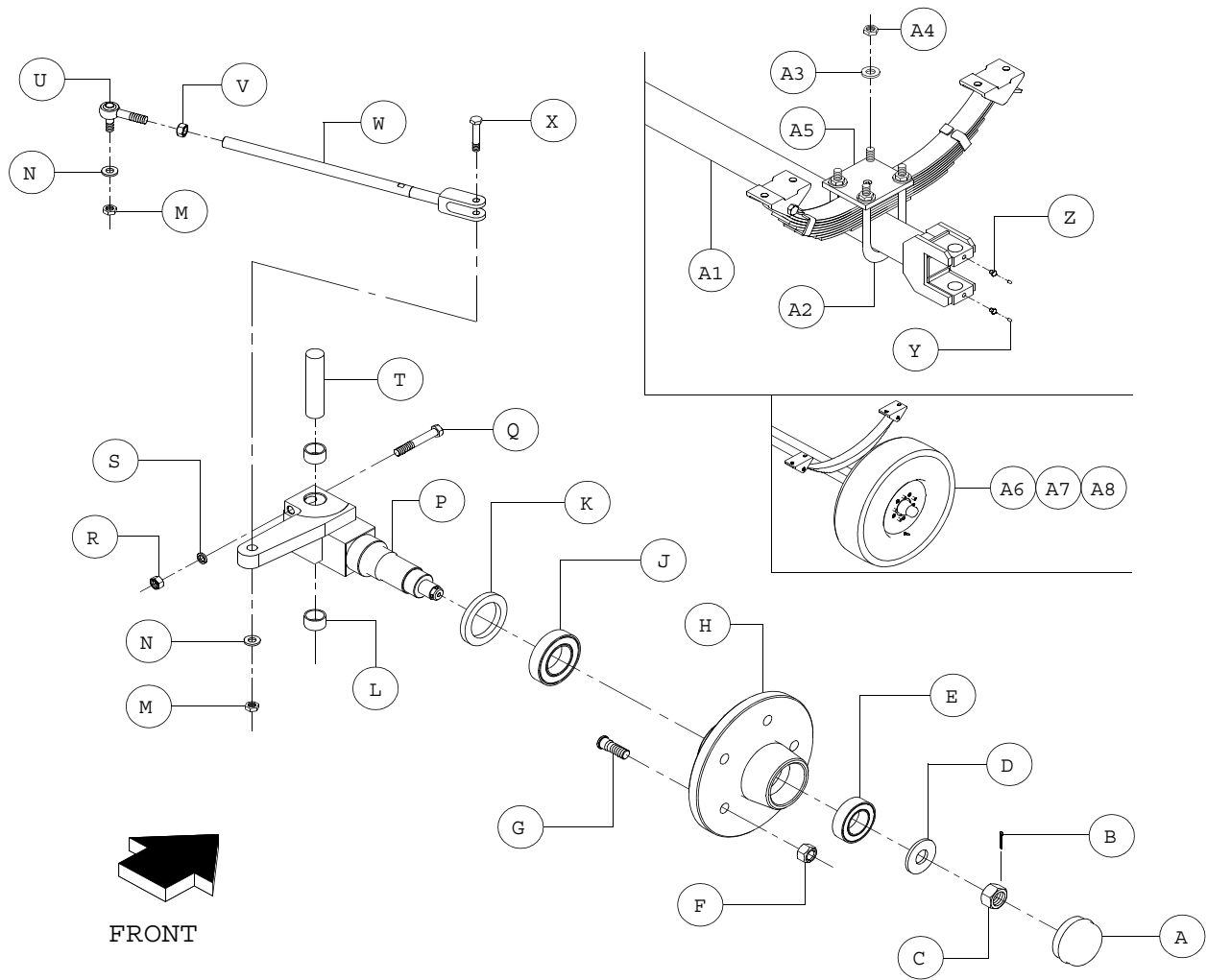
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22392153	Cover, Hub	2	
B	22392237	Pin, Cotter	2	
C	22392146	Nut	2	
D	22392229	Washer, Hub	2	
E	22392138	Bearing, Outer	2	
F	22392211	Nut, Wheel	10	
G	22392203	Stud, Wheel	10	
H	22392120	Front Hub Assembly	2	
J	22392161	Bearing, Inner	2	
K	22392179	Seal	2	
L	22392286	Bushing	4	
M	22392419	Nut, Lock	4	
N	22392401	Washer	8	
P	22392187	Left Front Axle Stub	1	
	22392195	Right Front Axle Stub	1	
Q	22392252	Screw	2	Continued.....
R	22392260	Nut, Lock	2	

Steerable Running Gear (Front Axle)



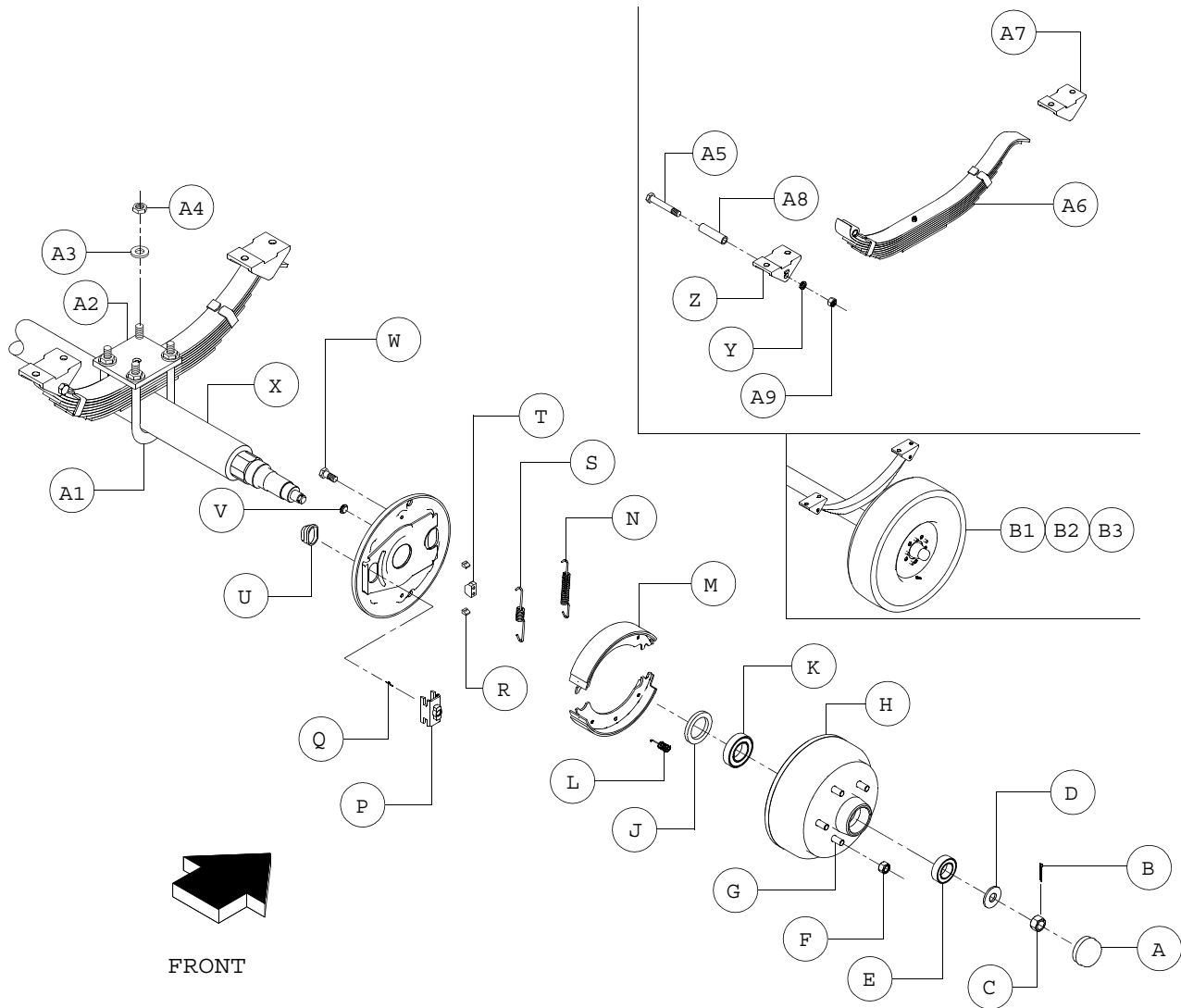
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	22392245	Washer	2	Continued
T	22392278	Pin, King	2	
U	22392377	Pin, Ball	2	
V	22392385	Nut	2	
W	22392393	Rod, Track	2	
X	22392427	Screw	2	
Y	22391858	Cap, Grease Fitting	4	
Z	22391767	Fitting, Grease	4	
A1	22513832	Beam, Front Axle	1	
	22513816	Front Axle Assembly (Includes Items A - L, P - T, Y - Z)	1	
	22391734	Track Rod Assembly (Includes Items U - W) Items M, N and X are not Included with Above Assemblies.	1	Continued.....

Steerable Running Gear (Front Axle)



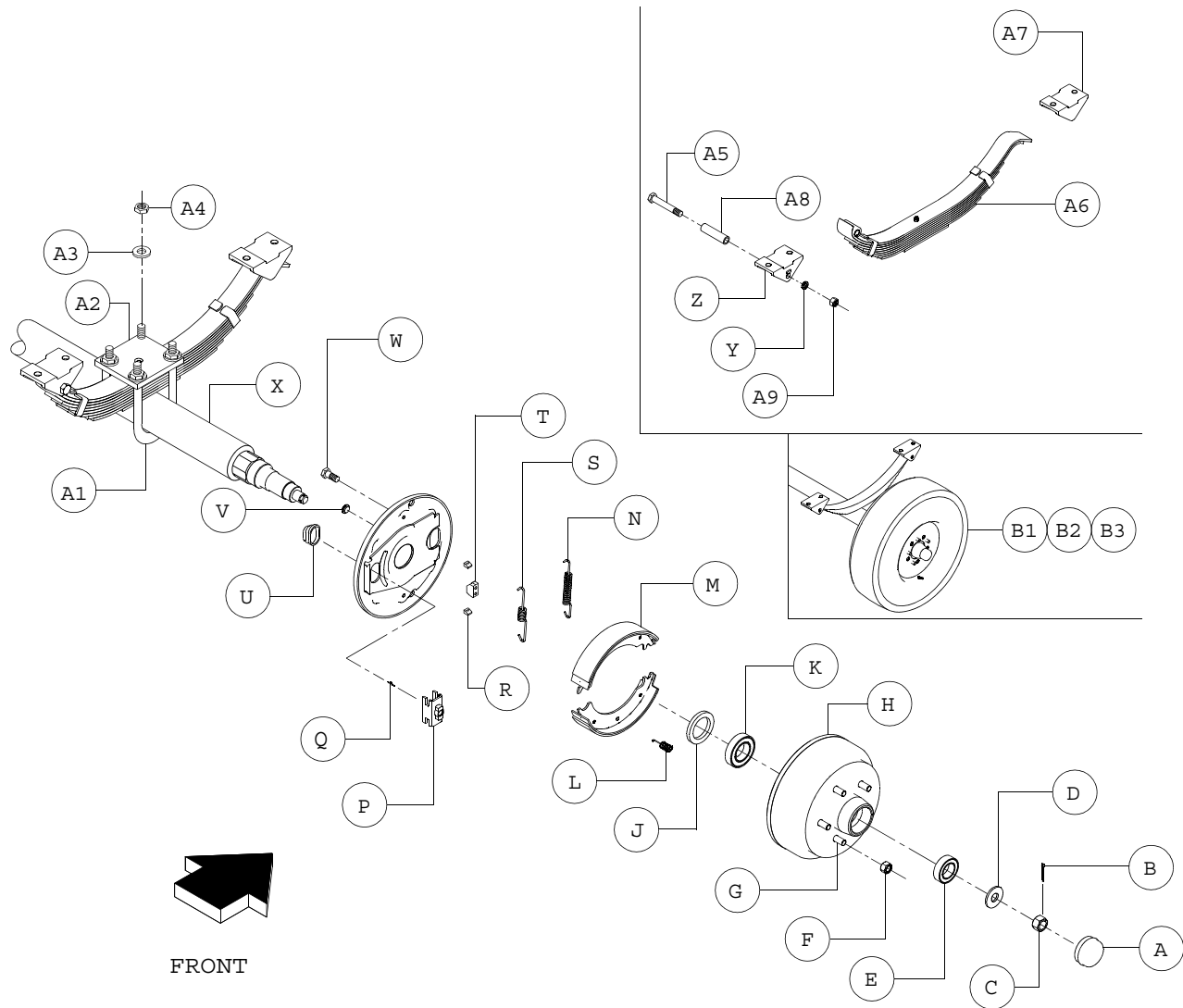
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A2	22513691	U-bolt	4	Continued
A3	22392104	Washer	8	
A4	22392112	Nut	8	
A5	22513709	Plate, Spring Tie	2	
A6	22256515	Tire	2	
A7	22343545	Wheel	2	
A8	35148204	Stem, Valve	2	

Steerable Running Gear (Rear Axle)



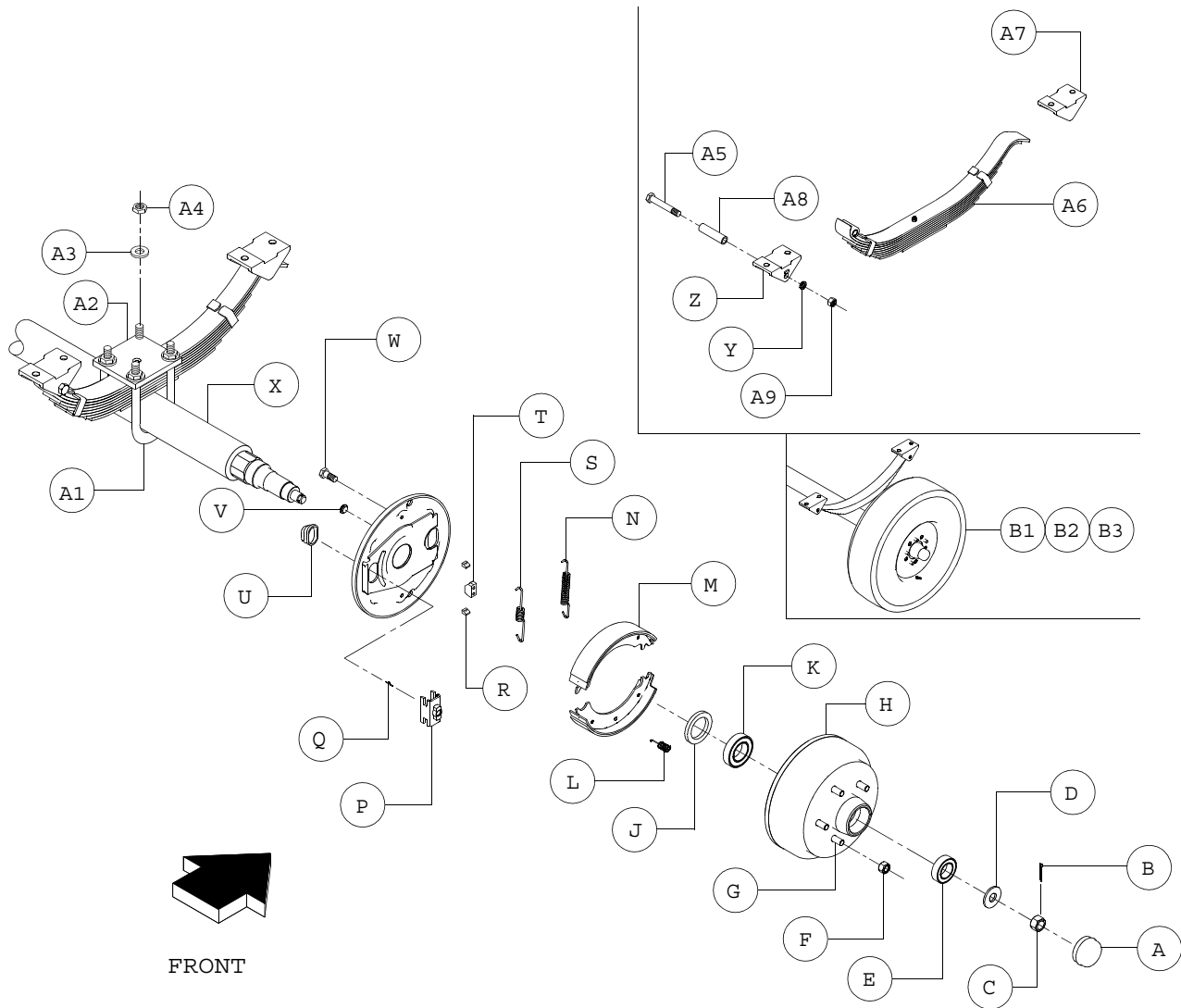
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22392153	Cap, Hub	2	
B	22392237	Pin, Cotter	2	
C	22392146	Nut	2	
D	22392229	Washer, Hub	2	
E	22392138	Bearing, Outer	2	
F	22392211	Nut, Wheel	10	
G	22392203	Stud, Wheel	10	
H	22392575	Drum, Rear Brake	2	
J	22392179	Seal	2	
K	22392161	Bearing, Inner	2	
L	22392633	Spring	4	
M	22392625	Shoe, Brake	4	
N	22392617	Adjuster	2	
				Continued.....

Steerable Running Gear (Rear Axle)



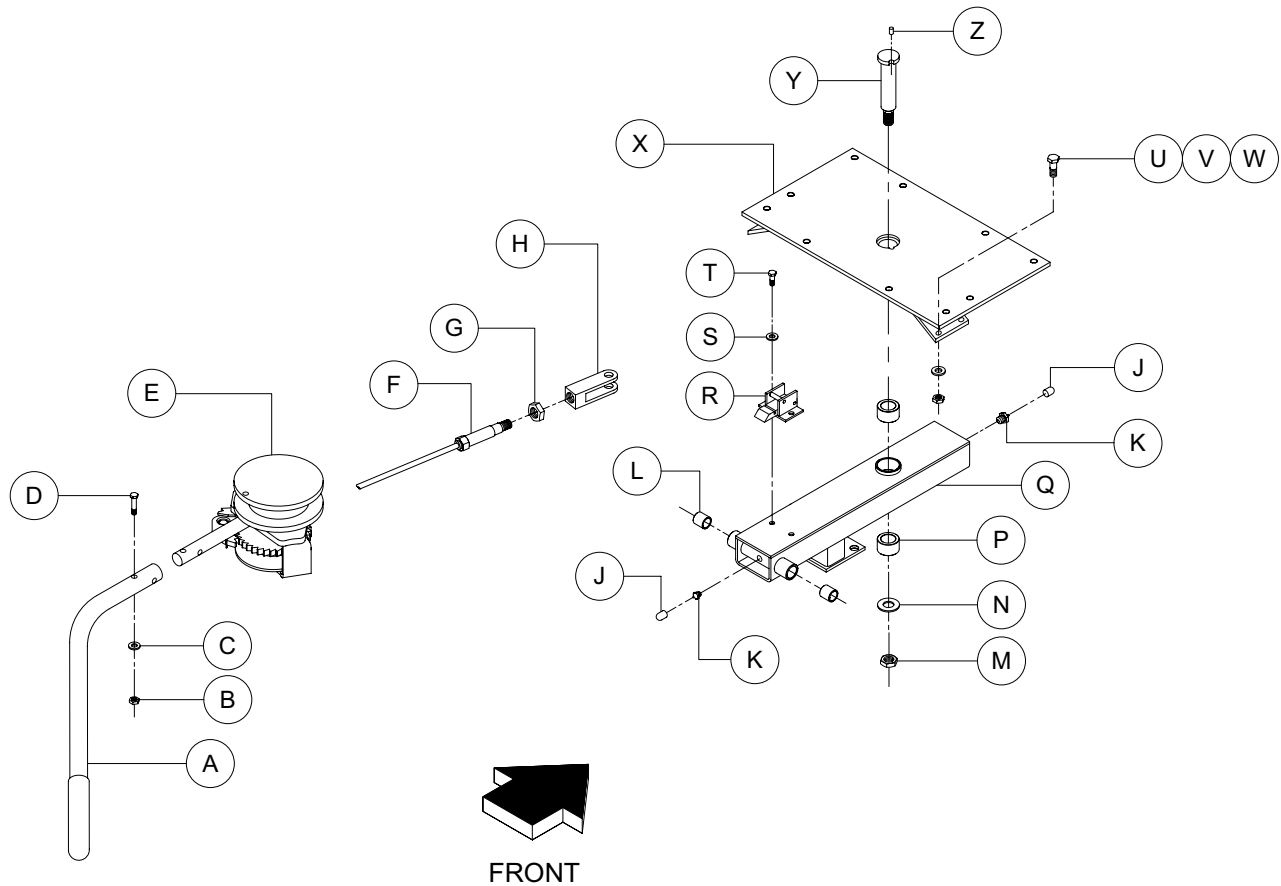
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	22392658	Expander	2	Continued
Q	22392641	Holder	2	
R	22392591	Wedge	4	
S	22392666	Spring	2	
T	22392609	Wedge	2	
U	22392674	Cover	2	
V	22392682	Plug	4	
W	22392583	Screw	2	
X	22513683	Beam, Rear Axle	1	
Y	22392344	Washer	4	
Z	22392310	Shackle, Front	4	
A1	22513691	U-bolt	4	Continued.....
A2	22513709	Plate, Spring tie	2	

Steerable Running Gear (Rear Axle)



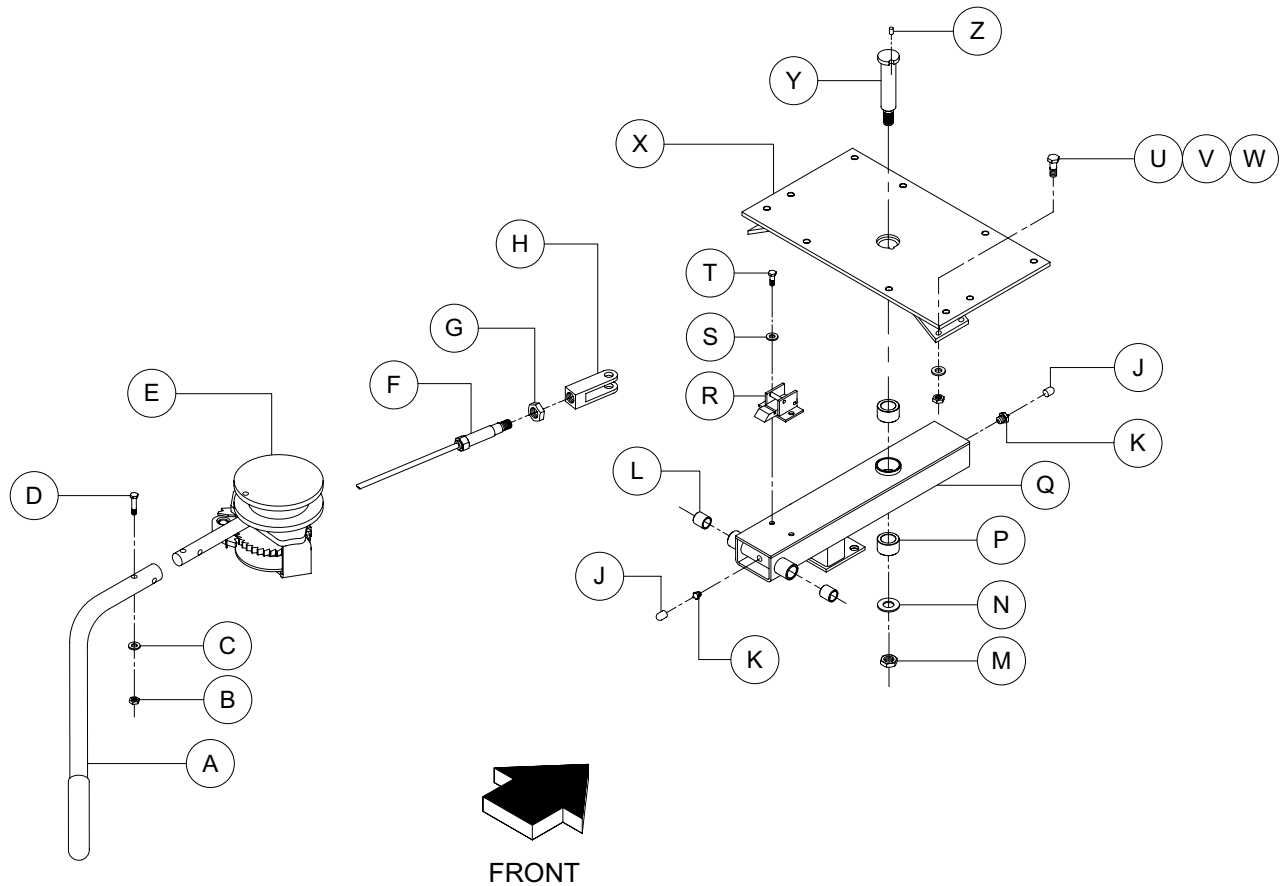
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A3	22392104	Washer	8	Continued
A4	22392112	Locknut	8	
A5	22392336	Screw	4	
A6	22392302	Spring	4	
A7	22392328	Shackle, Rear	4	
A8	22392369	Bushing	4	
A9	22392351	Nut, Lock	4	
B1	22256515	Tire	2	
B2	22343545	Wheel	2	
B3	35148204	Stem, Valve	2	
	22513717	Rear Axle Assembly (Includes Items A thru X)	1	
	96727557	Screw, Running Gear Attachment	12	
	36793040	Screw, Running Gear Attachment	8	

Steerable Running Gear (Parking Brake)



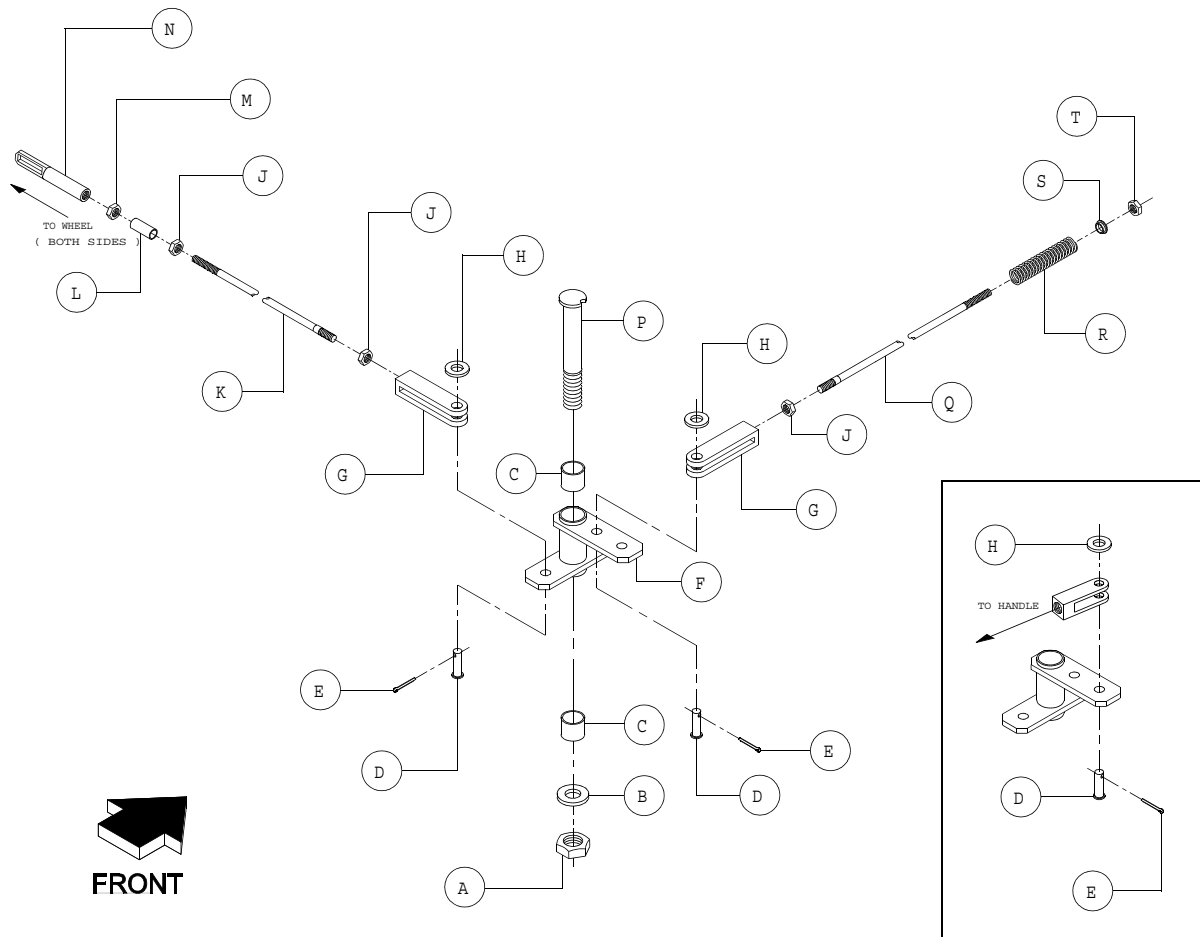
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22391981	Handle, Parking Brake	1	<i>Continued.....</i>
B	22392013	Nut	2	
C	22391882	Washer	2	
D	22392005	Screw	2	
E	22391973	Ratchet, Brake	1	
F	22391999	Cable, Brake	1	
G	22392021	Nut	1	
H	22392039	Yoke	1	
J	22391858	Cap, Grease Fitting	2	
K	22391767	Fitting, Grease	2	
L	22391908	Bearing, Bronze	2	
M	22391791	Nut, Lock	1	
N	22391783	Washer	1	

Steerable Running Gear (Parking Brake)



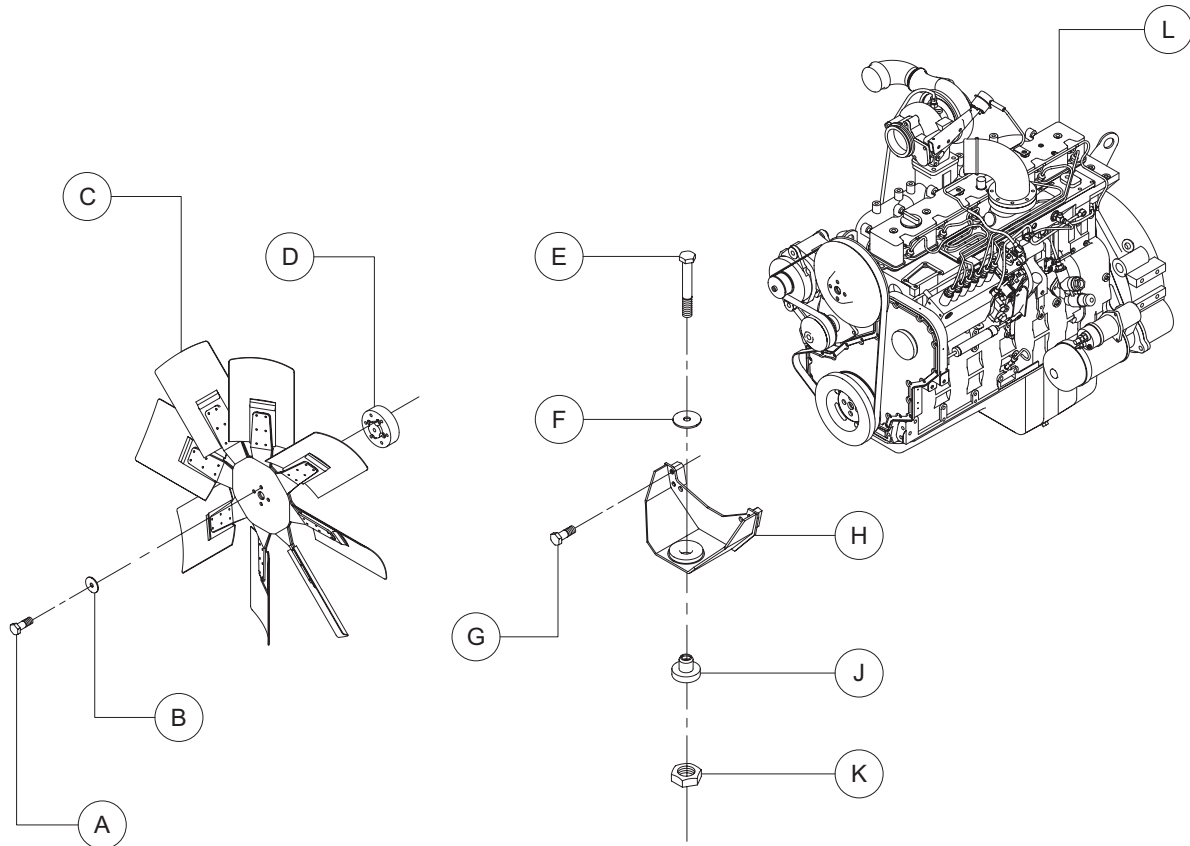
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	22391916	Bearing, Bronze	1	Continued
Q	22391932	Body	1	
R	22391940	Latch	1	
S	22391882	Washer	2	
T	22391890	Screw	2	
U	22392054	Screw	3	
V	22392047	Washer	3	
W	22392062	Nut	3	
X	22391965	Box, Pintle	1	
Y	22391957	Pin, Large	1	
Z	22391924	Pin, Small	1	
	22391718	Pintle Box Assembly (Items A thru Z)	1	

Steerable Running Gear (Parking Brakes)



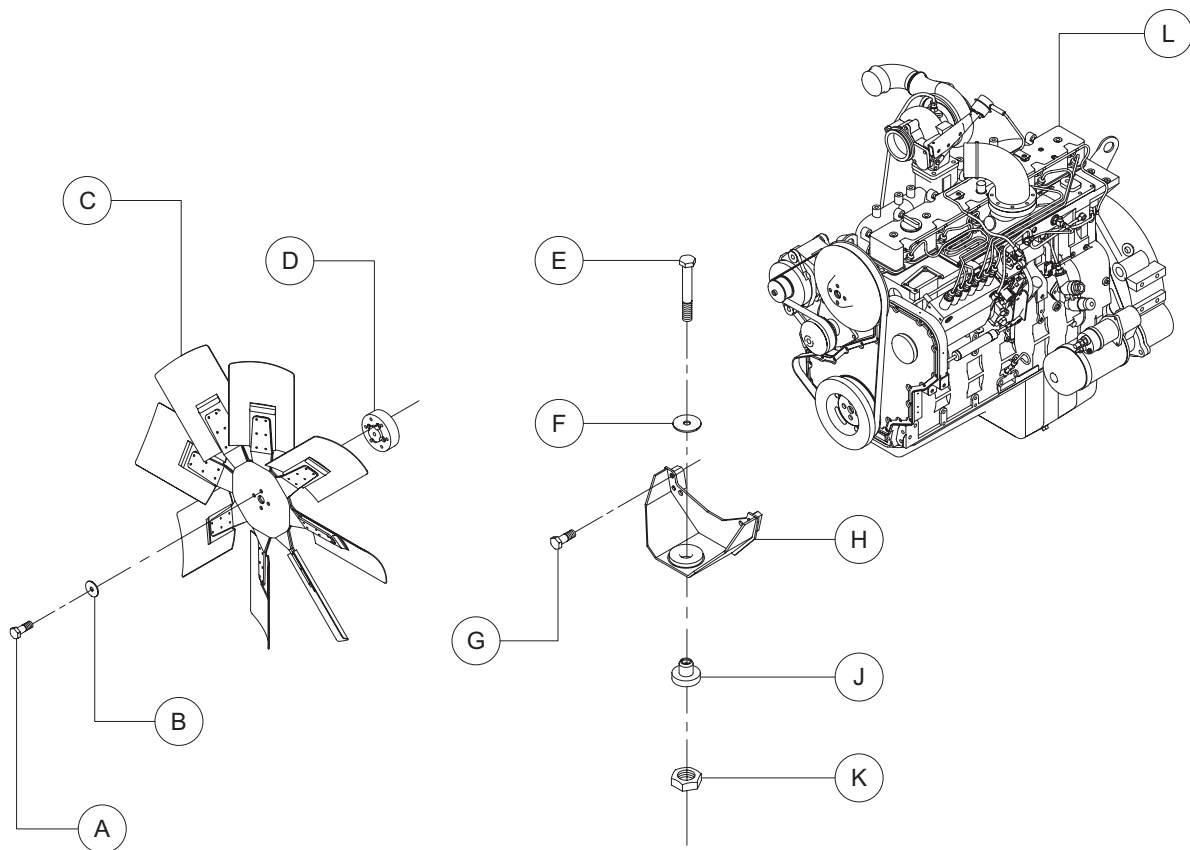
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22391833	Nut, Lock	1	
B	22392443	Washer	1	
C	22392500	Bearing, Bronze	2	
D	22392476	Pin	3	
E	22392468	Pin, Cotter	3	
F	22392492	Lever	1	
G	22392039	Yoke	3	
H	22392450	Washer	3	
J	22392021	Nut	6	
K	22392534	Rod	2	
L	22392526	Nut, Adapter	2	
M	22392062	Nut	2	
N	22392518	Hook, Safety	2	
P	22392484	Pin	1	
Q	22392542	Rod	1	
R	22392559	Spring	1	
S	22392567	Washer	1	
T	22392260	Nut, Lock	1	
	22513717	Rear Axle Assembly (Includes Items A thru T)	1	

Engine Complete



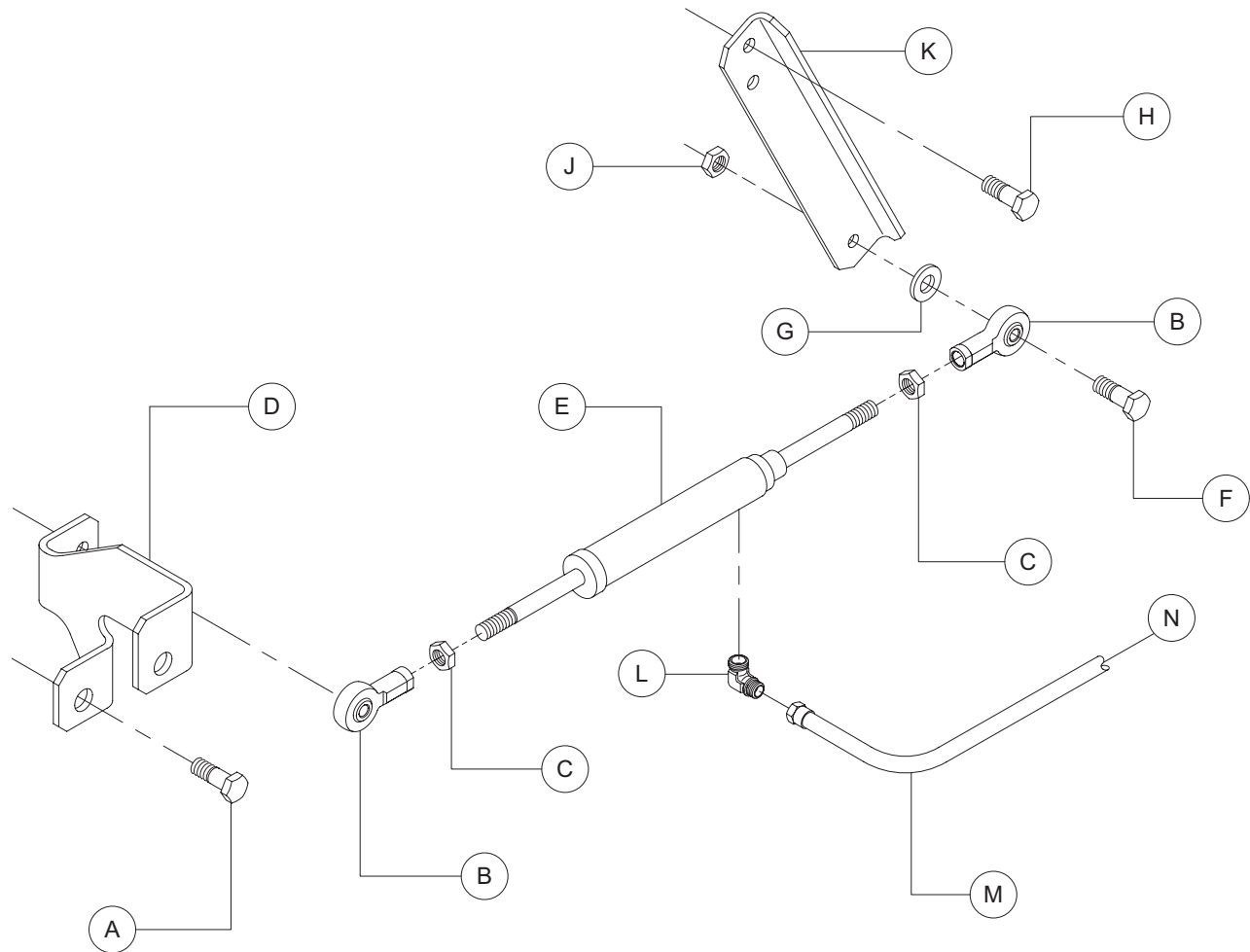
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96710488	Screw	4	<i>Continued.....</i>
B	95935037	Washer	4	
C	22170138	Fan Assembly	1	
D	22426522	Spacer, Fan	1	
E	95934253	Screw	1	
F	35273937	Washer	1	
G	36776128	Screw	4	
H	22186241	Bracket, Engine	1	
J	35302835	Mount, Rubber	1	
K	95923363	Nut	1	

Engine Complete



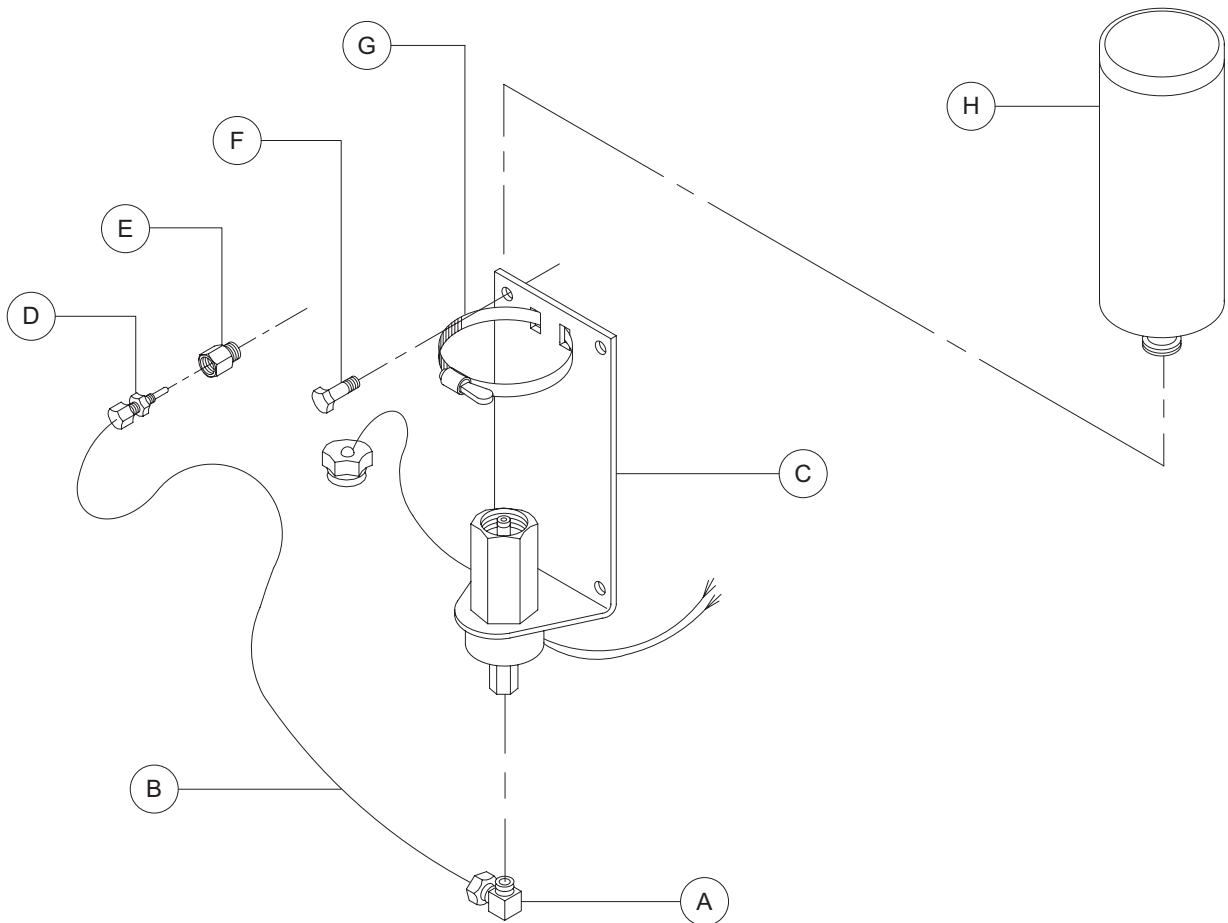
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22134969	Engine, 6C8.3 240HP Tier 2	1	Continued
	22134951	Engine, 6C8.3 260HP Tier 2	1	
	22808588	Engine, 6C8.3 240HP Tier 2 (Export)	1	
	22808570	Engine, 6C8.3 260HP Tier 2 (Export)	1	
	22808596	Engine, 6C8.3 260HP Tier 2 (High-Mount Starter)	1	
	22177737	Engine Oil Filter	1	
	35374677	Engine Secondary Fuel Filter	1	
	22345748	Engine Water Filter	1	
	22345763	Engine Drive Belt	1	
	22616965	Engine Alternator	1	
	22765341	Engine Exhaust Clamp	1	
	22345755	Engine Starter	1	
	22178107	Engine Starter (High-Mount Starter)	1	

Regulation / Air Cylinder



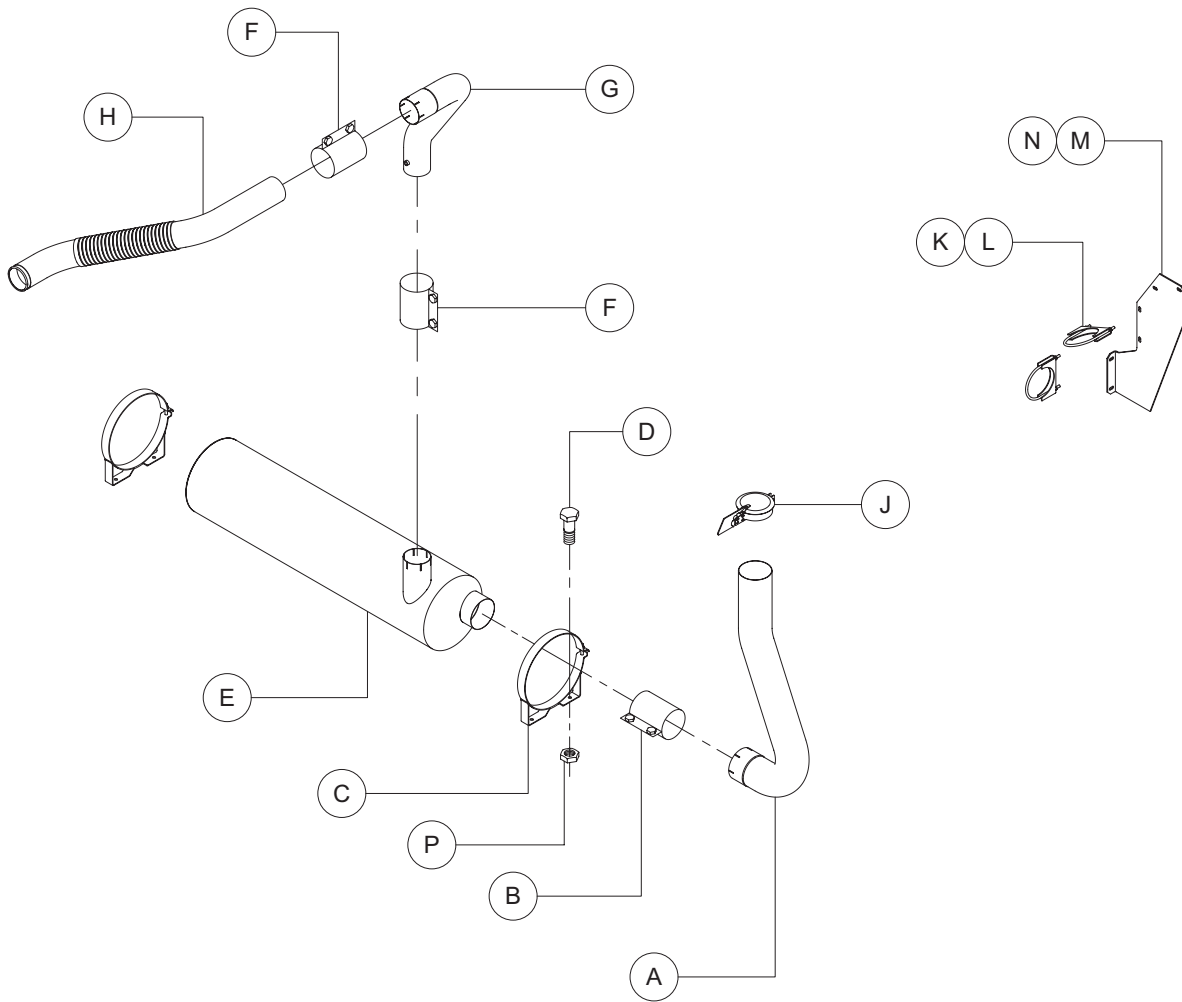
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702279	Screw	2	M10 - 1.50 X 20
B	35328467	Bearing, Rod End	2	
C	95935086	Nut	2	
D	22276083	Bracket, Cylinder Mounting	1	
E	54466859	Cylinder, Air	1	
F	35252451	Screw	2	
G	95935029	Spacer	2	
H	35307818	Screw	2	
J	35144492	Nut	2	
K	22276554	Lever, Air Cylinder	1	
L	35301126	Elbow	1	
M	35289578	Hose Assembly	1	
N	-----	To Tee on Unloader Solenoid Valve		

Ether Cold Start Kit



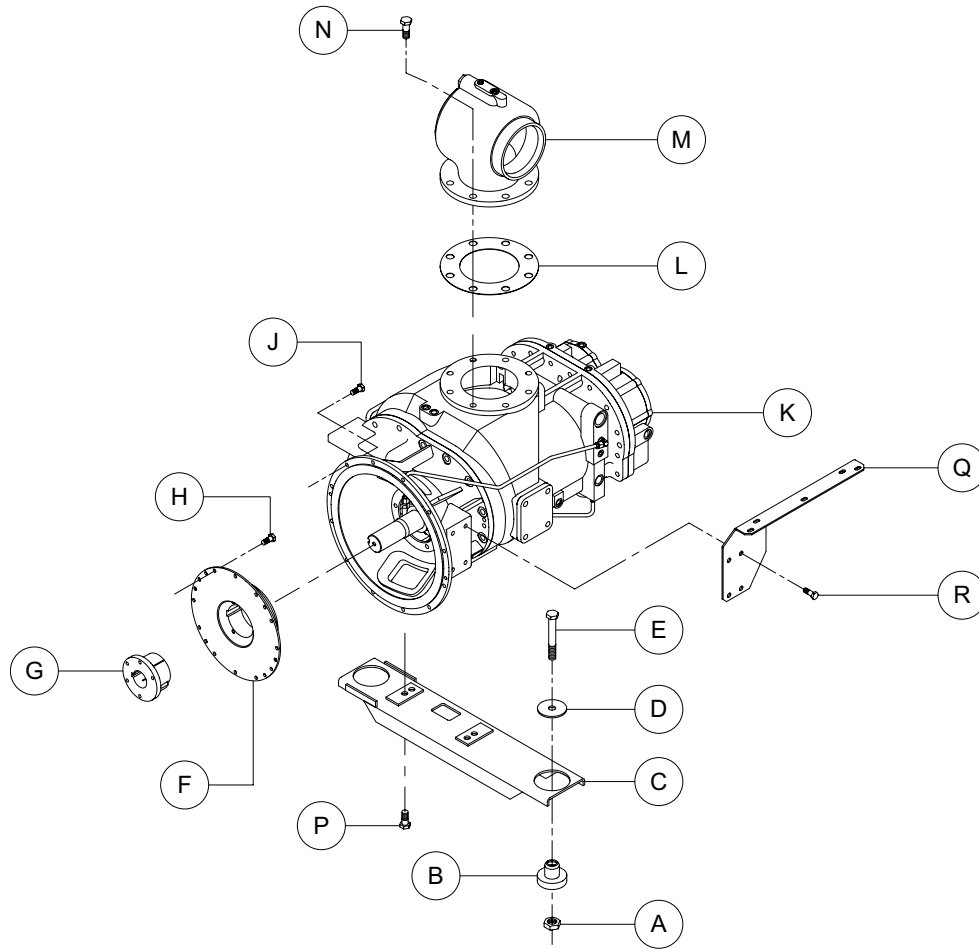
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35103498	Elbow	1	M8 - 1.5 X 20
B	35132166	Tubing	1	
C	35357961	Valve and Bracket Assembly	1	
D	35602812	Atomizer	1	
E	95930301	Bushing (To Port on Engine Intake Manifold)	1	
F	35279025	Screw	4	
G	35103506	Clamp, Band	1	
H	35112911	Cylinder, Ether	1	
	35357052	Starting Aid Kit (Includes Items A - C and G)	1	

Exhaust Complete



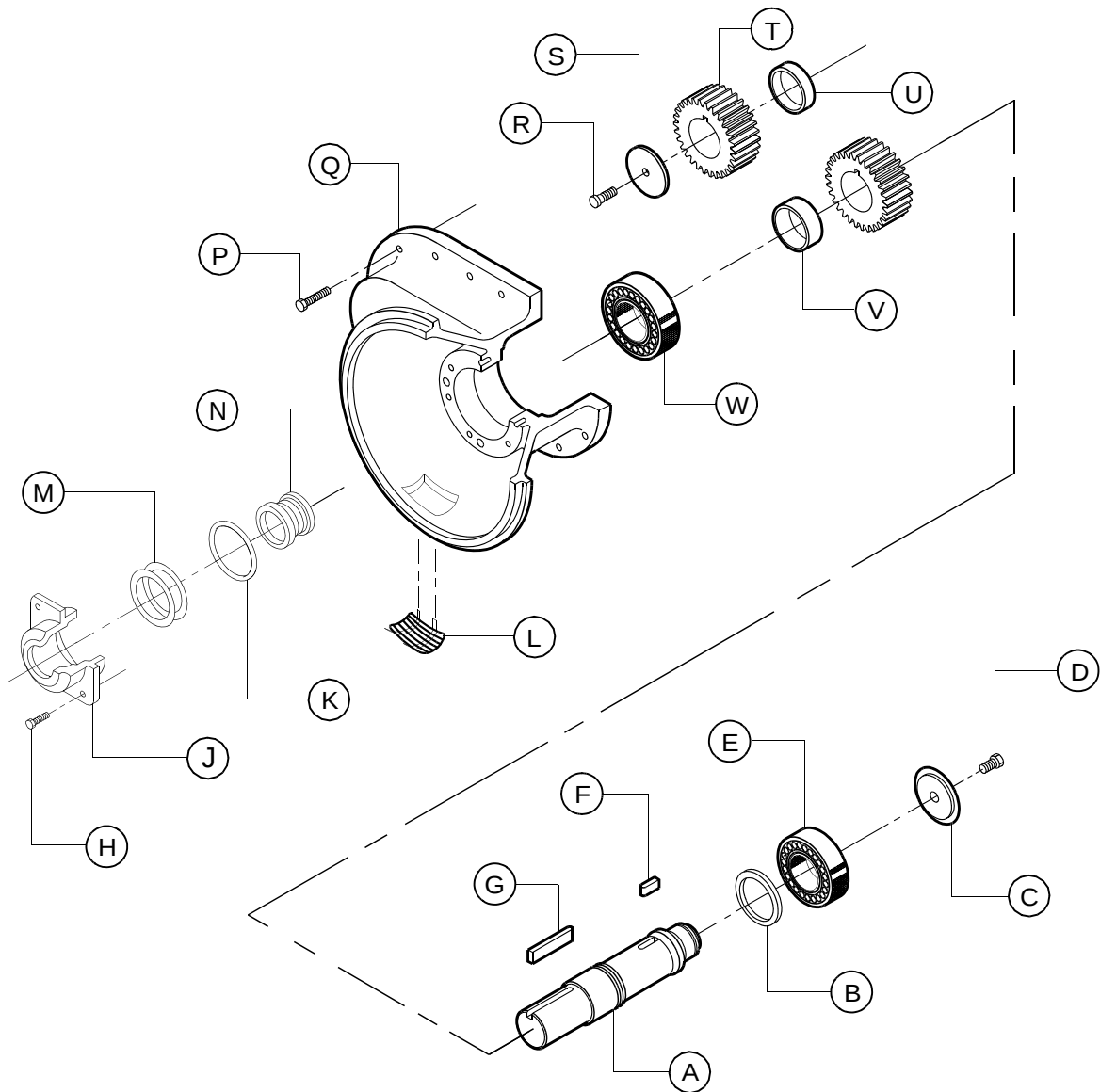
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22288849	Pipe, Exhaust	1	M8 - 1.25 X 25
B	35307131	Clamp, Seal	1	
C	36866929	Clamp, Mounting	2	
D	36889608	Screw	4	
E	36866911	Muffler	1	
F	35313303	Clamp, Seal	2	
G	22208474	Pipe, Exhaust	1	
H	22207120	Pipe, Turbo	1	
J	35857036	Cap, Rain	1	
K	35127653	Clamp	2	
L	95935037	Washer (on Clamps)	4	
M	22289995	Support, Exhaust	1	
N	35279025	Screw	2	M8 - 1.25 X 20
P	36881886	Nut	4	M8 - 1.25

Air End Complete



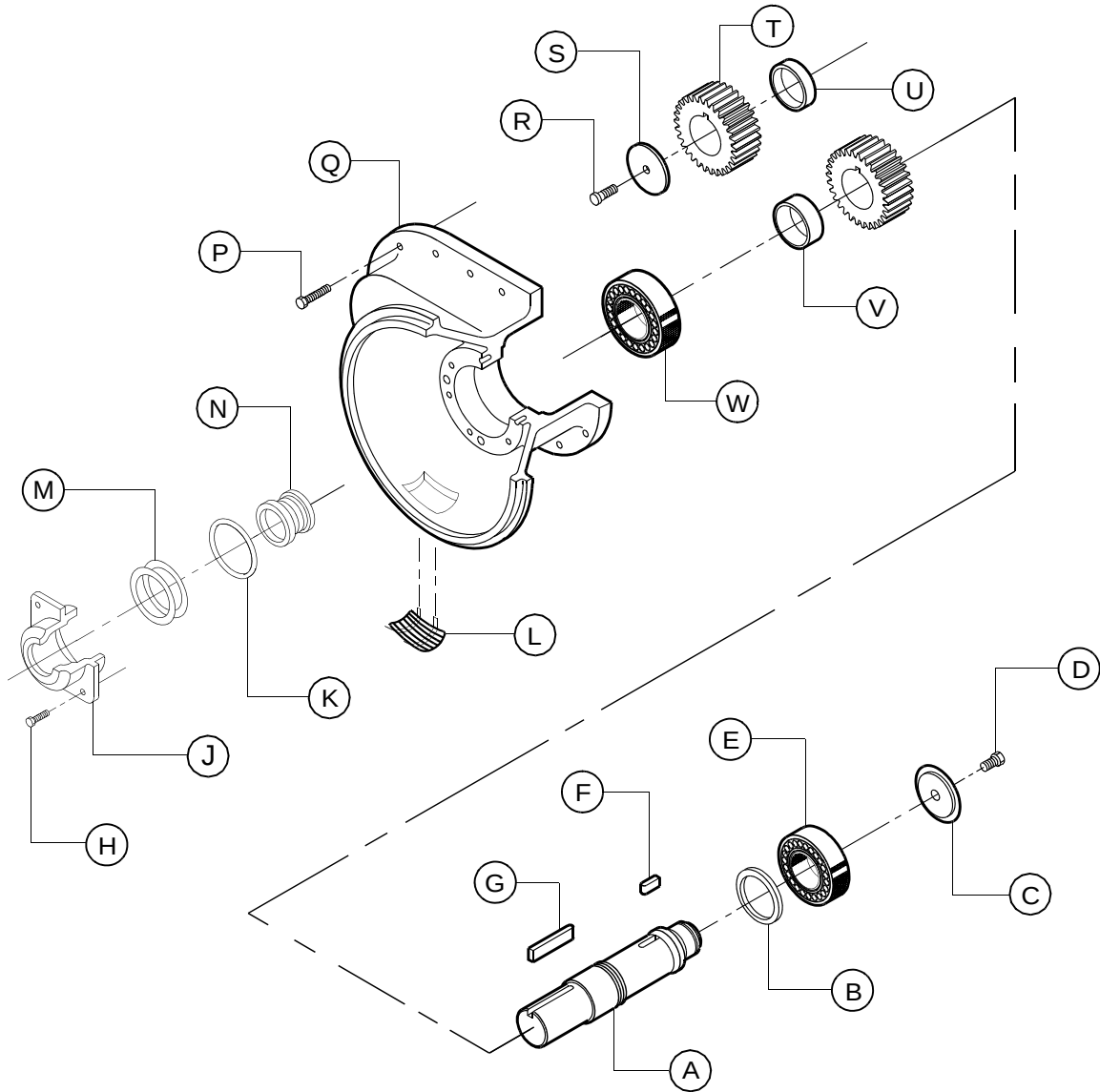
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95923363	Nut	2	
B	35302835	Mount, Rubber	2	
C	22177703	Bracket, Air End Mounting	1	
D	35273937	Washer	2	
E	95934253	Bolt	2	
F	35834795	Coupling, Air End/Engine	1	
G	35103852	Bushing, Coupling	1	
H	95220604	Screw	8	
J	96701917	Screw	12	M10 - 1.50 X 30
K	42437566	Air End Assembly	1	HP-675
	42437574	Air End Assembly	1	HP-750 & XP-750
	42437582	Air End Assembly	1	XP-825 & 9/235
L	36786572	Gasket, Unloader	1	
M	36734515	Unloader Assembly	1	
N	35272558	Screw	6	M20 - 2.50 X 45
	96700901	Screw	2	M20 - 2.50 X 40
P	35358274	Screw	4	
Q	22283758	Support, Wire Routing	1	
R	96701495	Screw	4	M12 - 1.75 X 25

Air End Assembly



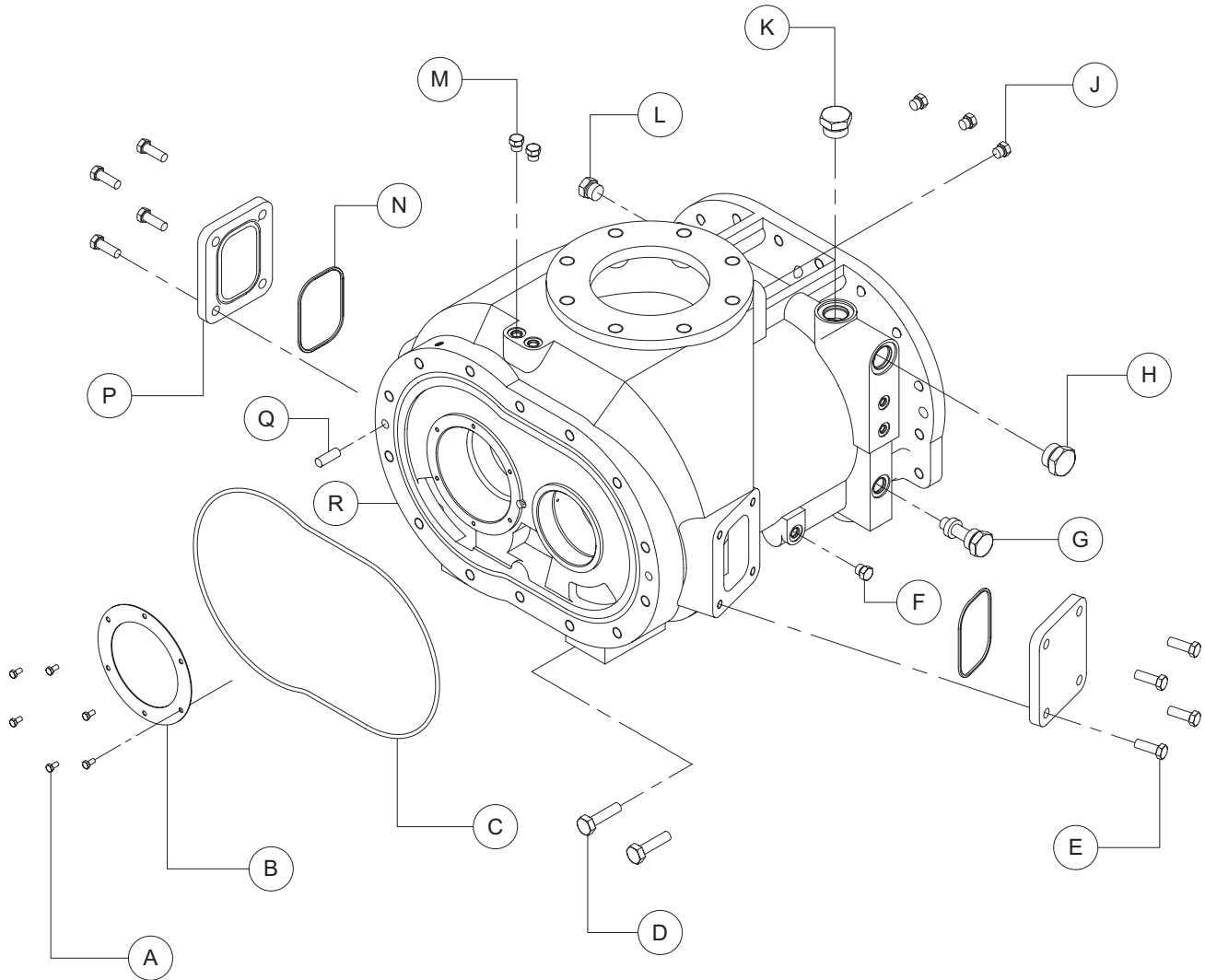
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36846400	Shaft, Drive	1	M10 - 1.50 X 25
B	36851681	Spacer	1	
C	36764785	Cap, Shaft Guide	1	
D	35336304	Screw	1	
E	36854925	Bearing, Inboard	1	
F	35361328	Key	1	M12 - 1.75 X 30
G	35364975	Key, Coupling	1	
H	96712187	Screw	6	
J	36507515	Cover, Seal	1	
K	95358164	O-Ring	1	
L	36798346	Guard, Bottom	1	Continued.....
	36798361	Guard, Top	1	

Air End Assembly



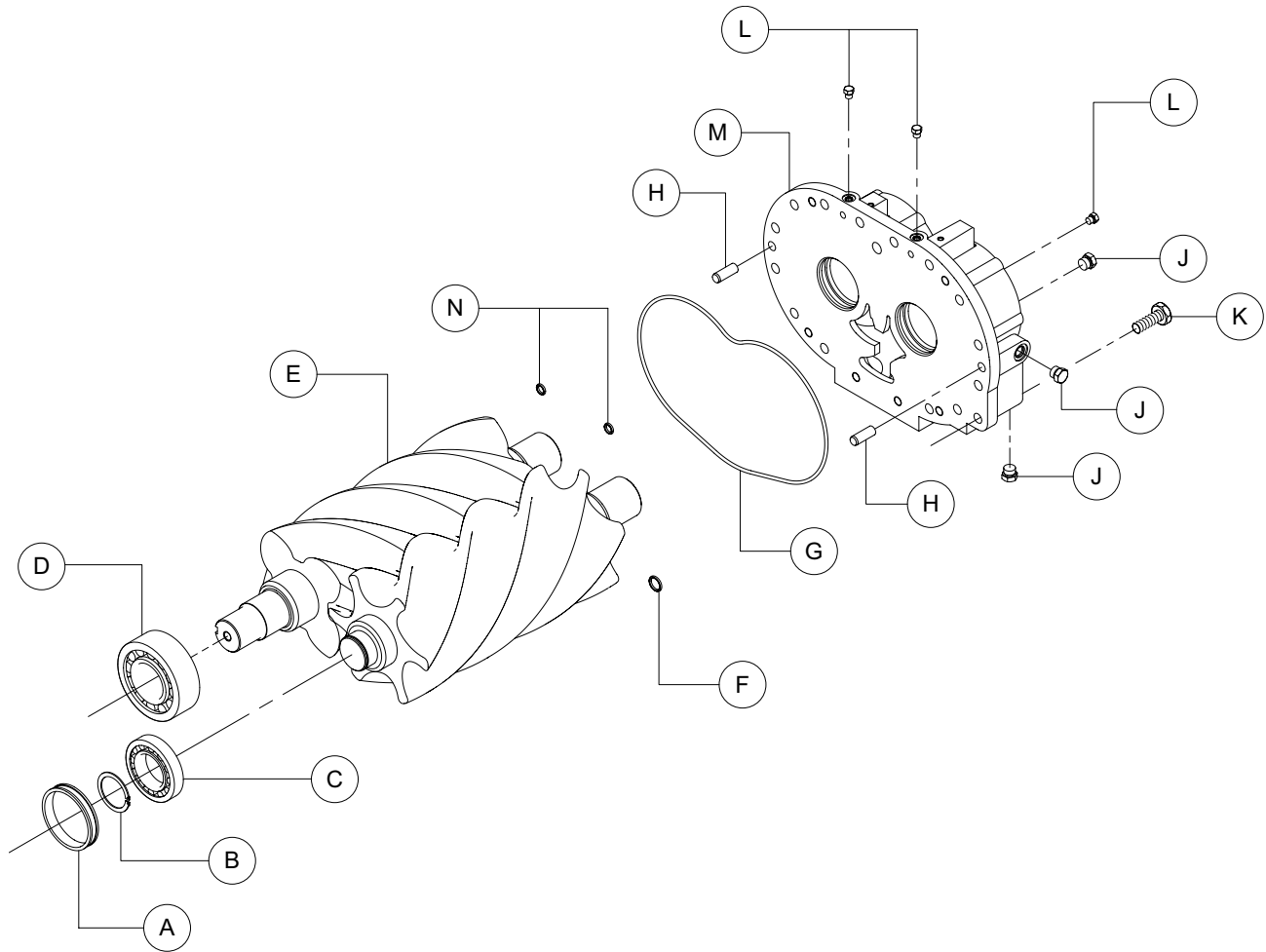
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	36846442	Set, Shim	1	Continued M16 - 2.0 X 40 M16 X 35
N	35593508	Seal, Shaft	1	
P	96716162	Screw	14	
Q	36851459	Housing, Gear Case	1	
R	96706254	Screw	1	
S	35255819	Plate, Clamp	1	
T	35298132	Gear Set (HP-675) A/E Assy. 42437566	1	
	35335363	Gear Set (XP-750 & HP-750) A/E Assy. 42437574	1	
	35334853	Gear Set (XP-825) A/E Assy. 42437582	1	
U	39326483	Spacer	1	
V	36846418	Spacer	1	
W	36846426	Bearing, Outboard	1	

Air End Assembly



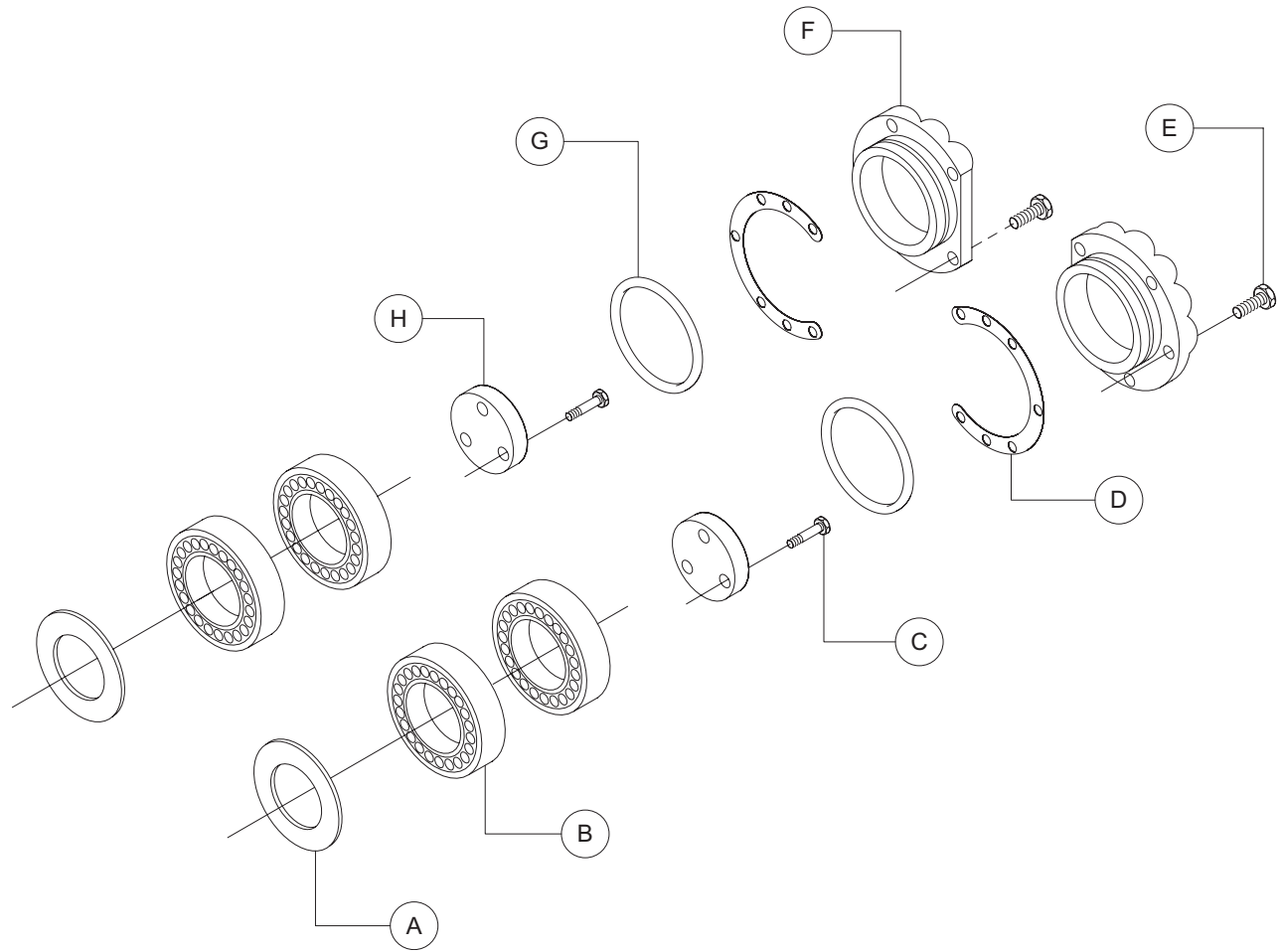
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96716105	Screw	6	M6 - 1.0 X 12
B	39326749	Plate, Retainer	1	
C	39253992	O-Ring	1	
D	35279009	Screw	2	M16 - 2.0 X 55
E	96712179	Screw	8	M12 - 1.75 X 35
F	95938205	Plug	1	
G	39330626	Orifice	1	14 MM
H	95939856	Plug	1	
J	95938205	Plug	3	
K	95939856	Plug	1	
L	95938221	Plug	1	
M	95938205	Plug	2	
N	95023073	O-Ring	2	
P	22219687	Plate, Cover	2	
Q	95239927	Pin, Dowel	2	
R	22124317	Housing, Rotor	1	

Air End Assembly



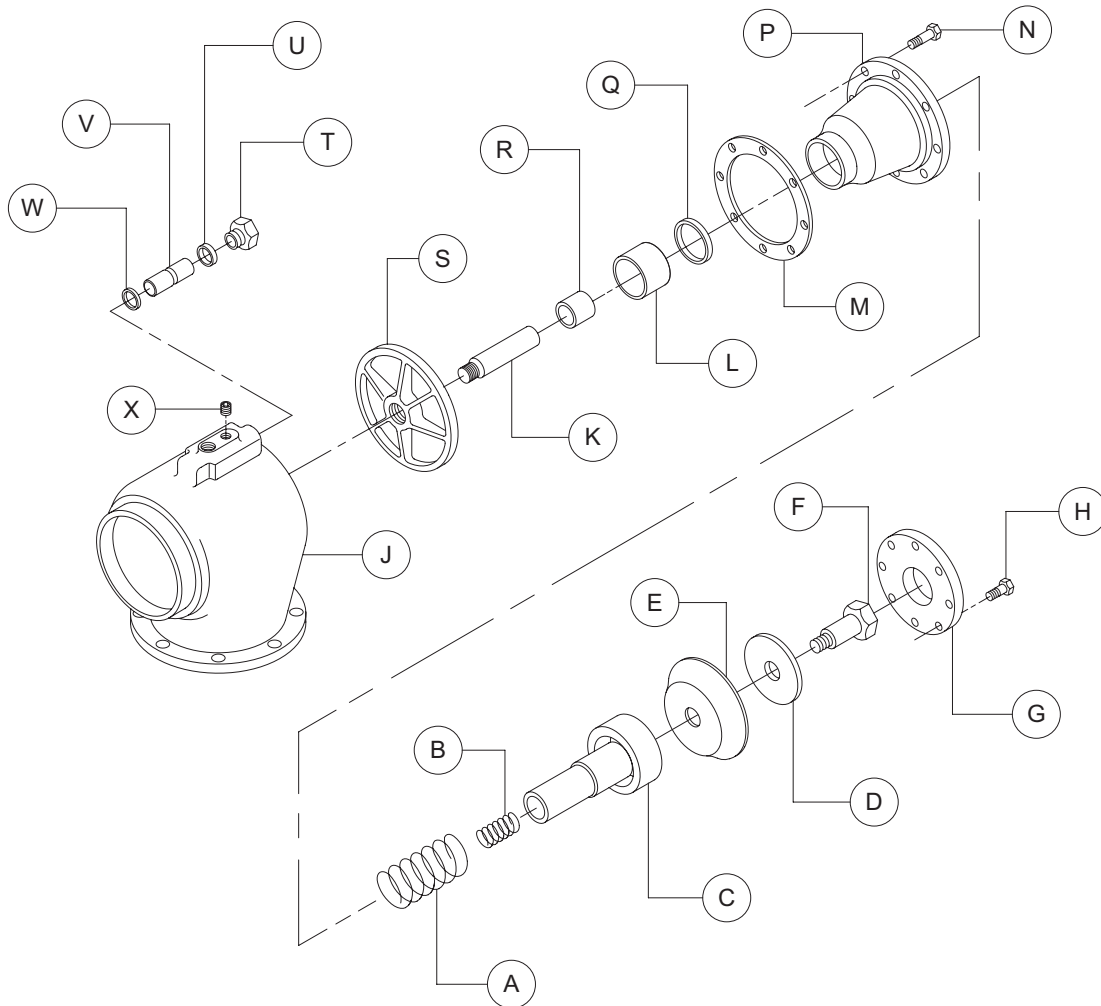
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35262963	Spacer	1	M16 - 2.0 X 45
B	95096806	Ring, Snap	1	
C	35313568	Bearing, Female Rotor	1	
D	39322706	Bearing Male Rotor	1	
E	36005031	Set, Rotor	1	
F	95022141	O-Ring	1	
G	39253984	O-Ring	1	
H	35295336	Pin, Dowel	1	
J	95938213	Plug	3	
K	96706262	Screw	14	
L	95938965	Plug	3	
M	39890553	Housing, Rear Bearing	1	
N	95656260	O-Ring	2	

Air End Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35299361	Shim	2	M10 - 1.50 X 35
B	39437686	Bearing, Taper Roller	4	
C	96705983	Screw	6	
D	39326780	Shim, Rear Bearing	4	
	39326798	Shim, Rear Bearing	6	
	39326806	Shim, Rear Bearing	4	
E	96712179	Screw	10	M12 - 1.75 X 35
F	39891486	Cover, Rear Bearing	2	
G	95023388	O-Ring	2	
H	39436977	Retainer, Bearing	2	

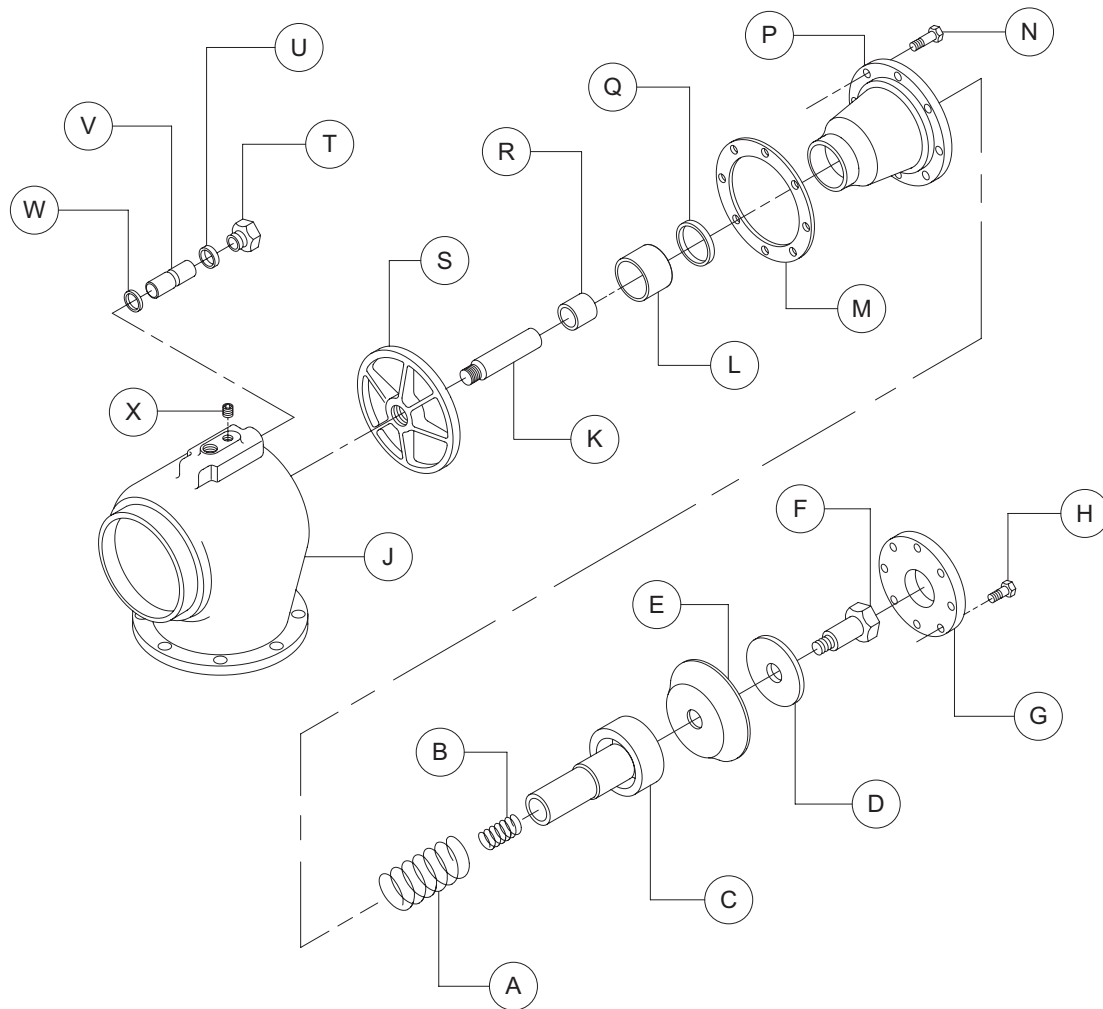
Unloader Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35332691	Spring, Piston	1	M8 X 25
B	35332683	Spring, Valve	1	
C	35591163	Piston, Unloader	1	
D	35327204	Washer	1	
E	35592534	Diaphragm, Unloader	1	
F	95934642	Screw	1	
G	35591189	Cover, Piston	1	
H	96702659	Screw	8	
J	36734507	Body, Unloader	1	
K	35332006	Stem, Valve	1	
L	35328228	Bushing	1	M10 - 1.50 X 25
M	35328251	Gasket	1	
N	96702287	Screw	12	

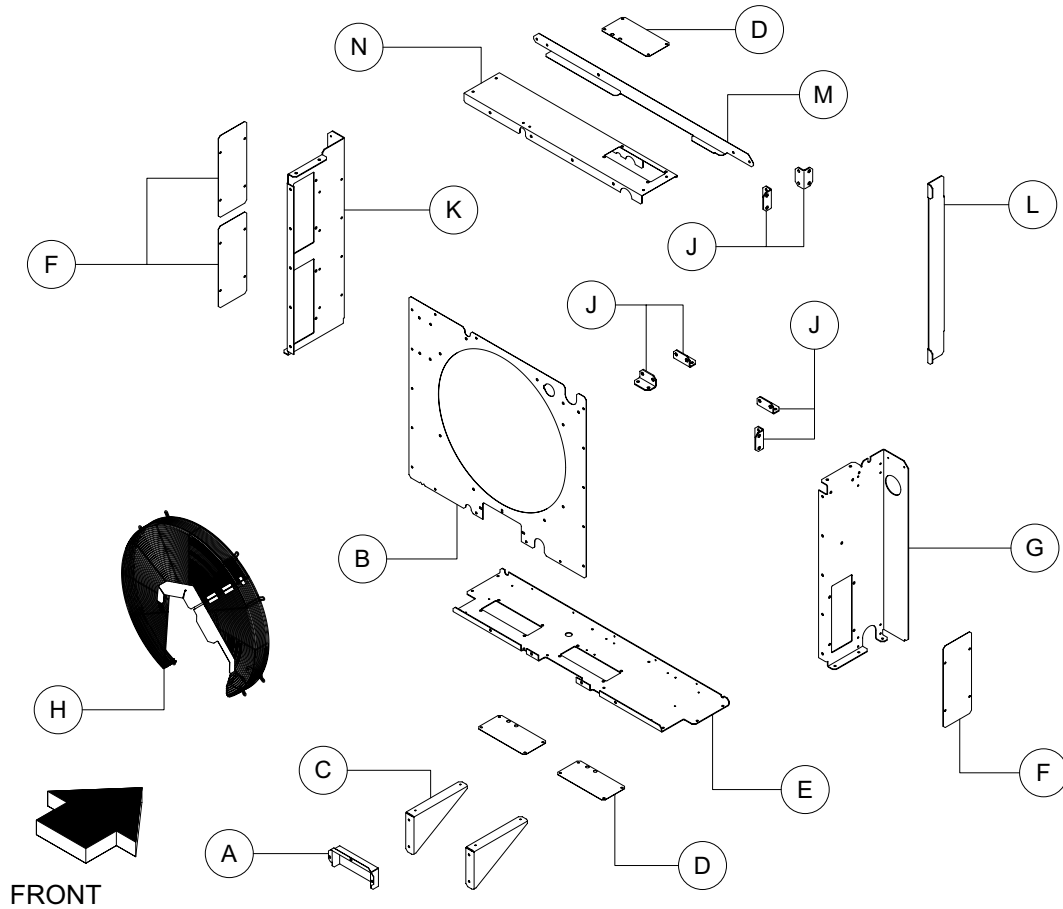
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Unloader Assembly



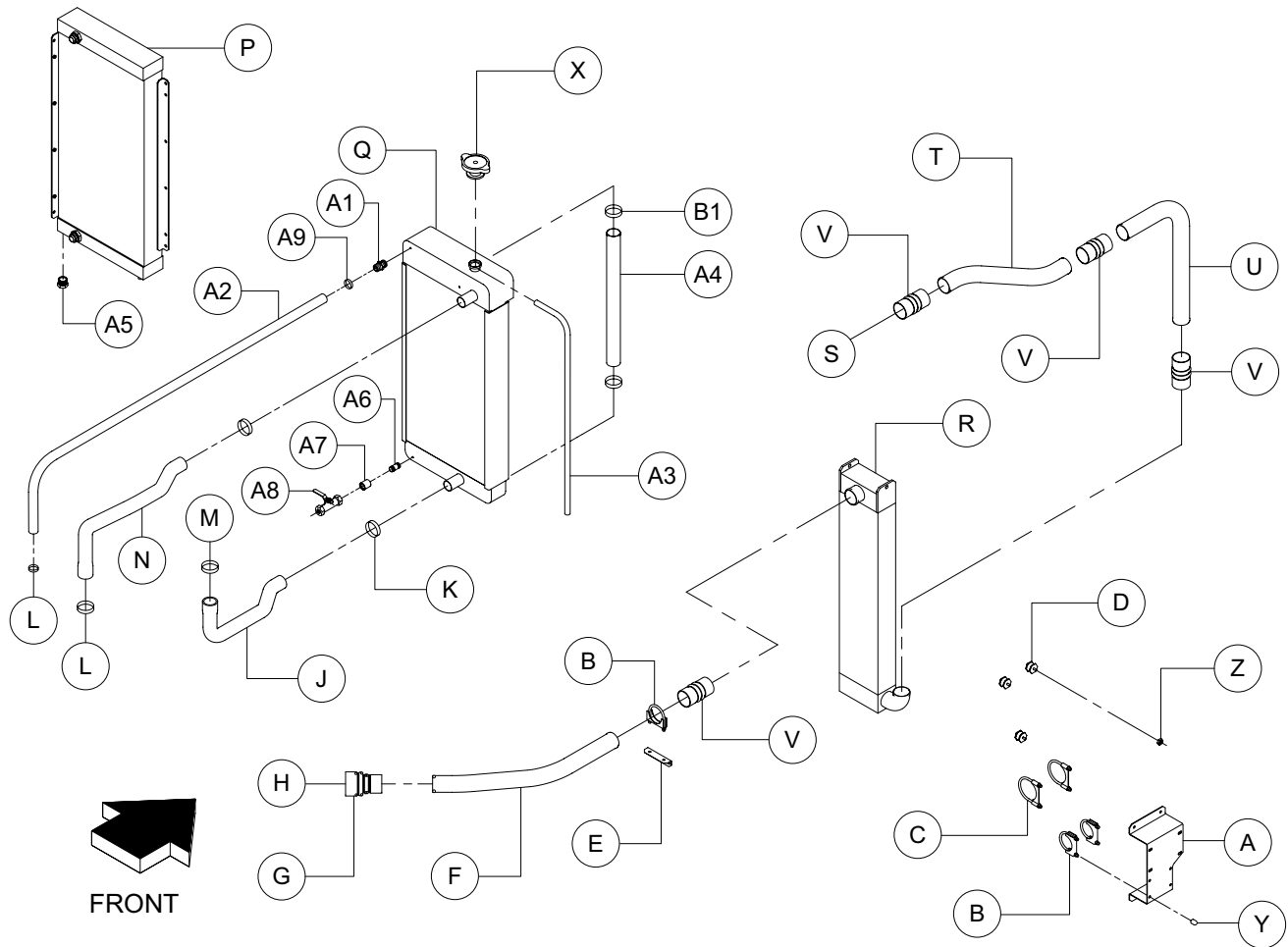
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	36722460	Housing, Piston	1	Continued
Q	35328244	Seal	1	
R	35328269	Bushing	2	
S	35591171	Plate, Valve	1	
T	35328236	Adapter	1	
U	35331578	Grommet	1	
V	36897148	Valve, Anti-Rumble	1	
W	35331586	Grommet	1	
X	95928222	Plug	1	
	35278571	O-Ring	1	
	36734515	Unloader Assembly	1	

Radiator and Coolers Mounting



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22302889	Baffle, Fan	1	
B	22228753	Shroud, Fan	1	
C	22228852	Support, Cooler	2	
D	22303465	Plate, Cover	3	
E	22186779	Support, Bottom Cooler	1	
F	22228860	Plate, Cover	3	
G	22202485	Support, Left Cooler	1	
H	22228431	Guard, Fan	1	
	36889608	Screw (Fan Guard Mounting)	8	M8 - 1.25 X 25
	36889608	Screw (Fan Guard Joining)	5	M8 - 1.25 X 25
	36881886	Nut (Fan Guard Joining)	5	M8 - 1.25
J	22203608	Brace, Cooler	6	
K	22202477	Support, Right Cooler	1	
L	22155870	Support, Cooler	1	
M	22202501	Baffle, Top	1	
N	22202493	Support, Top Cooler	1	
	36895746	Nutsert		
	35279025	Screw		M8 - 1.25 X 20

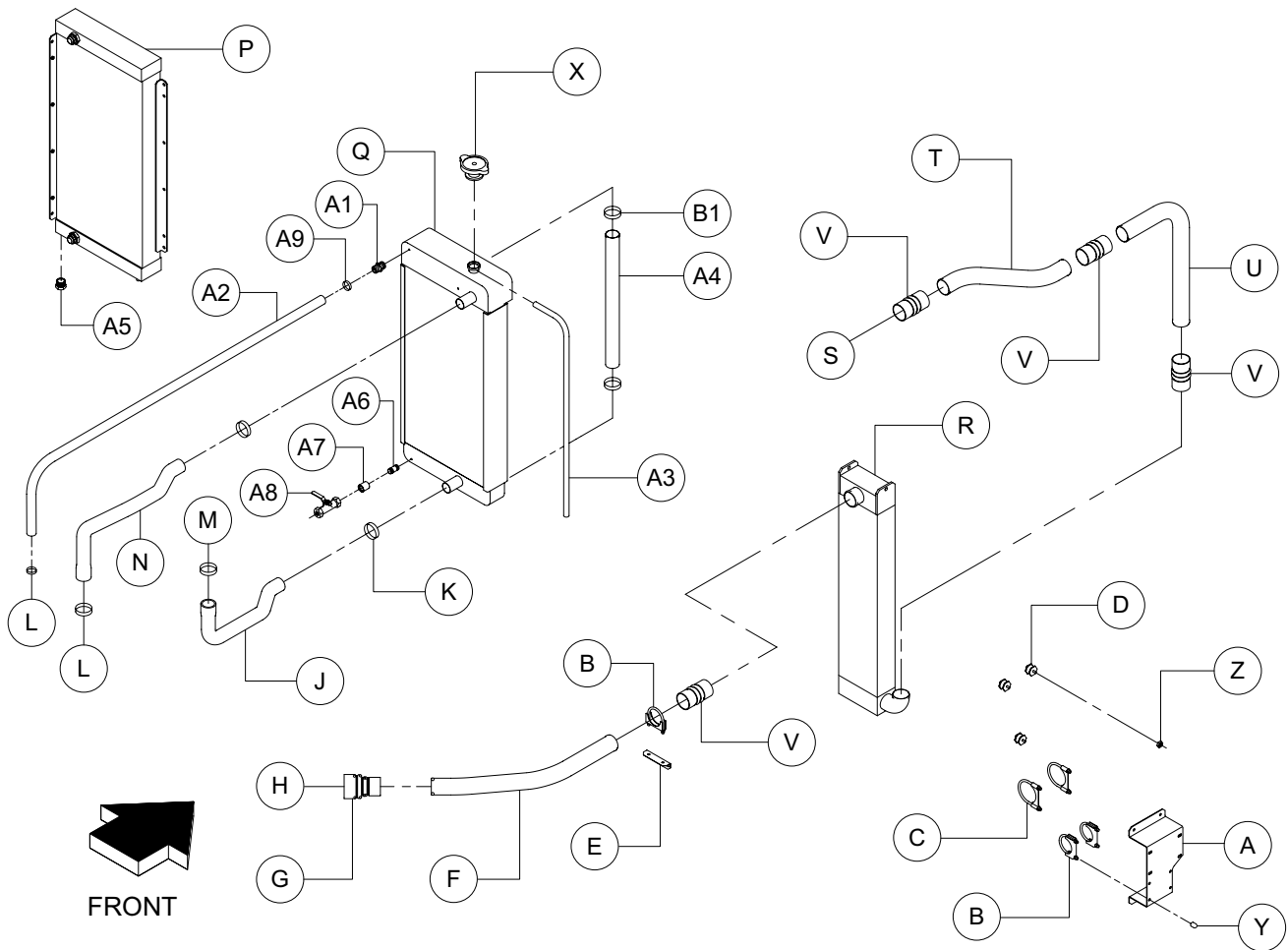
Radiator and Coolers Piping



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22207237	Bracket, Engine Exhaust	1	
B	35113646	Clamp, Saddle	3	
C	35111731	Clamp	2	
D	92276096	Isolator	3	
E	22303333	Support	1	
F	22207146	Tube, Charge Air Out	1	
G	22058564	Reducer, Rubber	1	
	54444427	Clamp, Spring Loaded	1	4"
H	---	To Top of Engine		
J	22206122	Hose, Lower Radiator	1	
K	35222017	Clamp, Hose	4	
L	---	To Thermostat Housing		
M	---	To Bottom of Engine		
N	22206130	Hose, Top Radiator	1	
P	22155592	Cooler, Oil	1	
Q	36877280	Radiator	1	
R	22155337	Cooler, Charge Air	1	
S	---	To Elbow at Turbo		

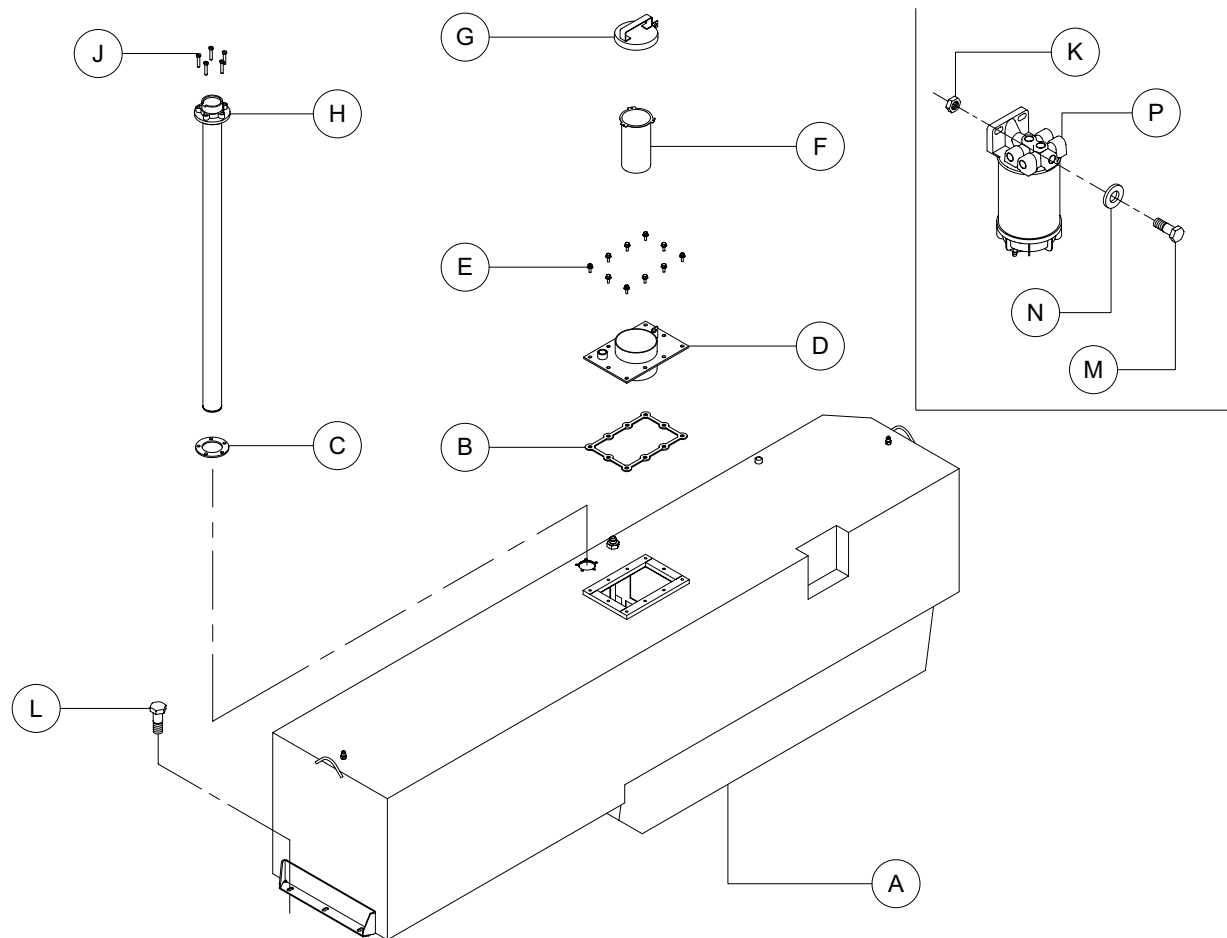
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Radiator and Coolers Piping



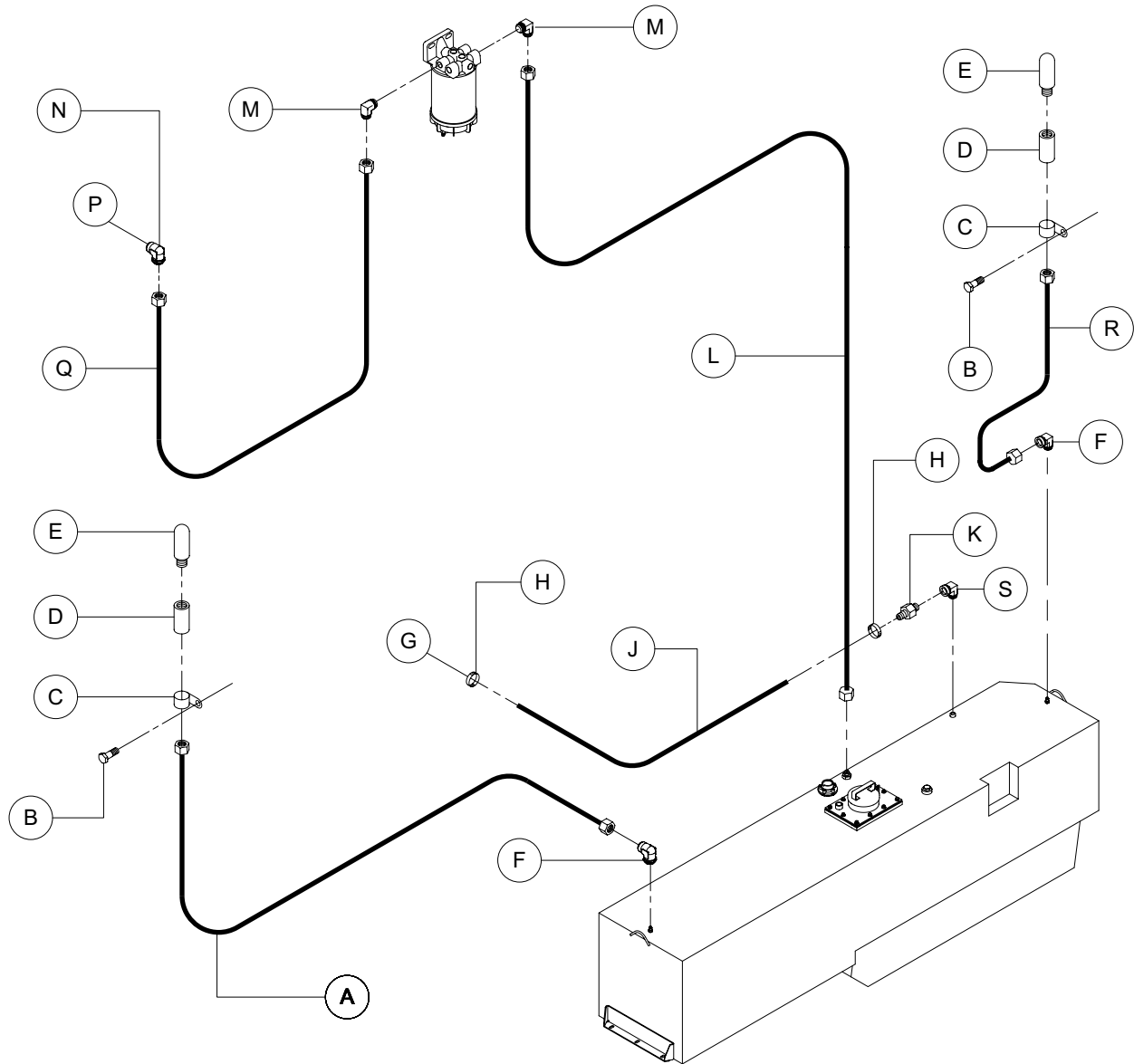
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
T	22207161	Tube, Upper Charge Air	1	Continued 3" 3" M8 - 1.25
U	22207153	Tube, Lower Charge Air	1	
V	22144497	Connector, Rubber	4	
W	22144513	Clamp (2 on Each End of Item "V")	9	
X	36877298	Cap, Radiator	1	
Y	22367163	Protector, Thread	8	
Z	36881886	Nut	3	
A1	35310598	Adapter	1	
A2	35285600	Hose (48 inches)	1	
A3	35363498	Hose (70 inches)	1	
A4	35286327	Hose (40 inches)	1	
A5	35287556	Plug	1	
A6	95944575	Nipple	1	
A7	95953444	Coupling	1	
A8	36782167	Valve, Bib	1	
A9	95264776	Clamp, Hose	2	
B1	95220851	Clamp, Hose	2	

Fuel Tank Assembly



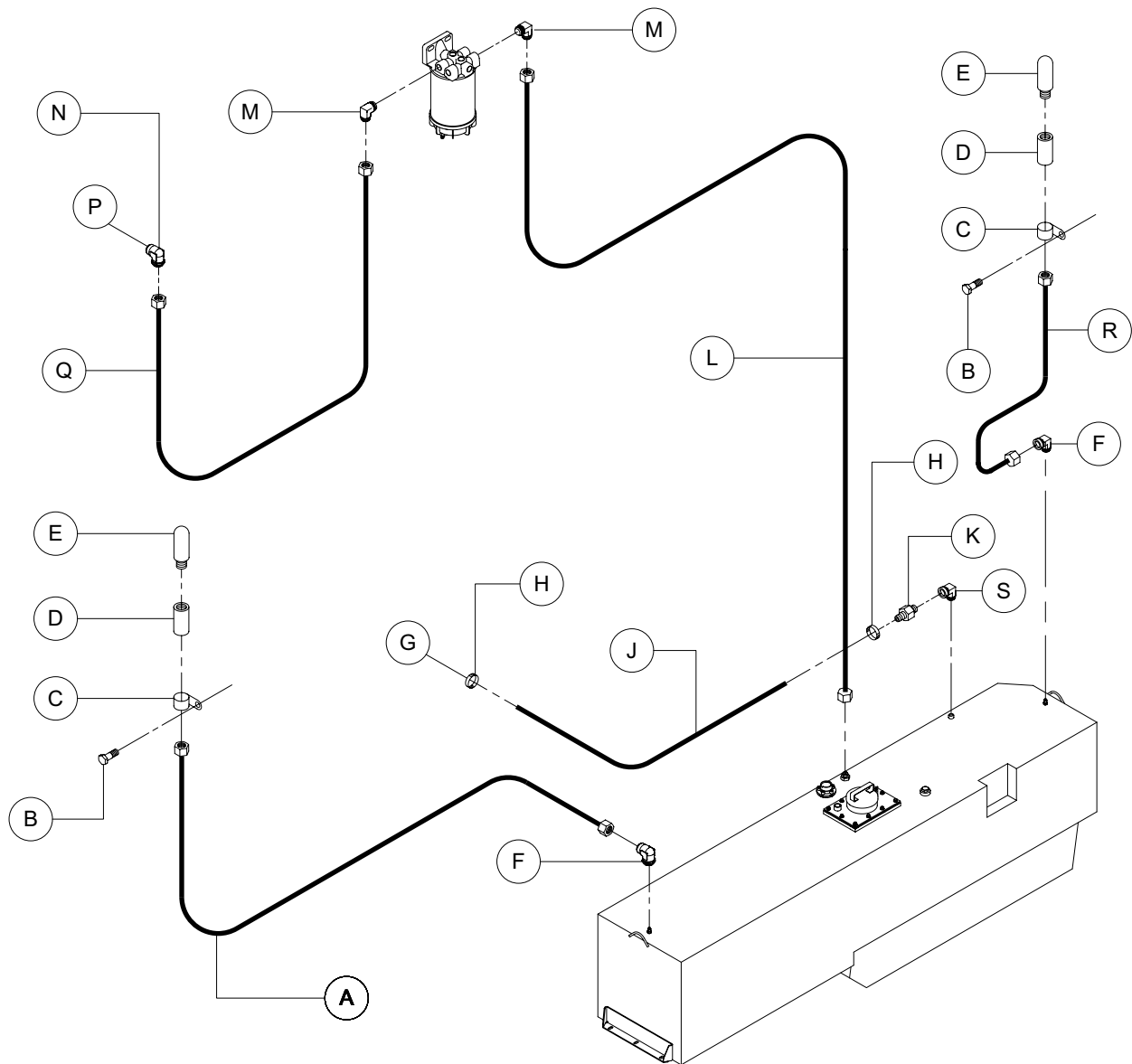
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22160121	Tank, Fuel	1	
B	35389964	Gasket, Flange Fill	1	
C	35361849	Gasket, Fuel Sender	1	
D	35389972	Flange, Fill	1	
E	35144328	Screw	10	
F	36845022	Strainer, Fuel	1	
G	36845014	Cap, Fuel	1	
H	22155451	Sender, Fuel	1	
J	36842102	Screw	5	
K	36881886	Nut	5	M8 - 1.25
L	35279025	Screw	6	M8 - 1.25 X 20
M	35271170	Screw	2	M8 - 1.25 X 40
N	95934998	Washer	2	
P	22318059	Separator, Fuel Water	1	
	54443676	Kit Bowl	1	
	22201388	Element	1	
	54443700	Head, Filter	1	
	54443668	O-Ring	1	
	54443692	Plug, Vent	1	

Fuel Tank Piping



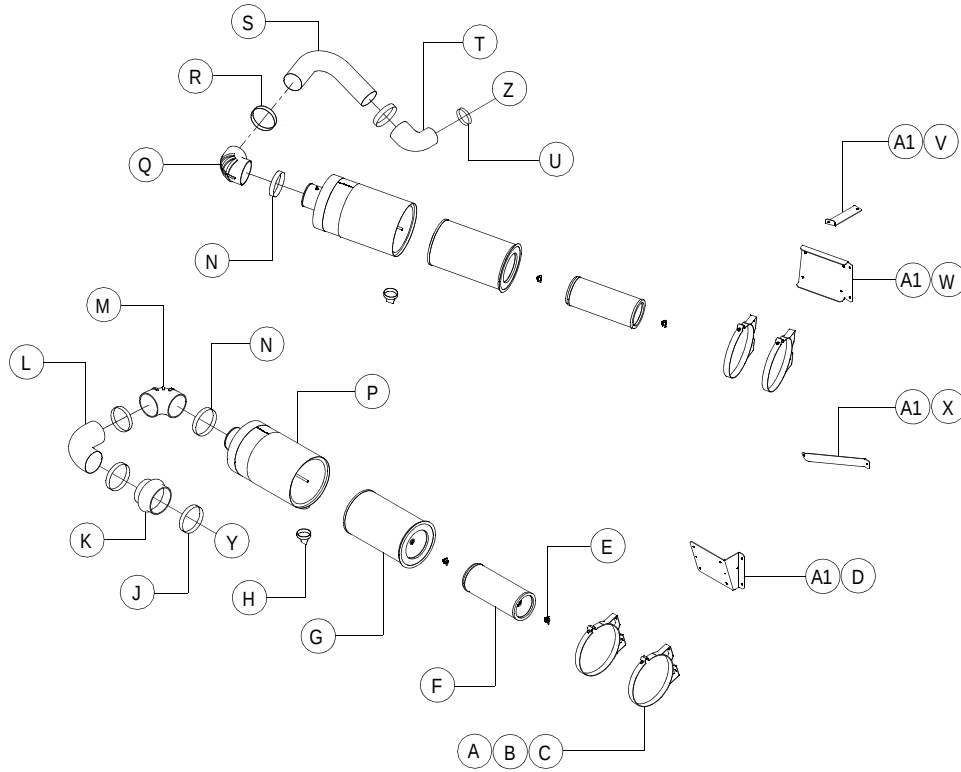
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35283019	Front Vent Hose Assembly	1	M8 - 1.25 X 20 90°
B	35279025	Screw	1	
C	35222538	Clamp	2	
D	35287143	Connector	2	
E	35322395	Silencer	2	
F	35283068	Elbow	2	
G	---	To Return at Fuel Pump		
H	95264776	Clamp	1	
J	35285600	Hose (88 inches)	1	
				Continued.....

Fuel Tank Piping



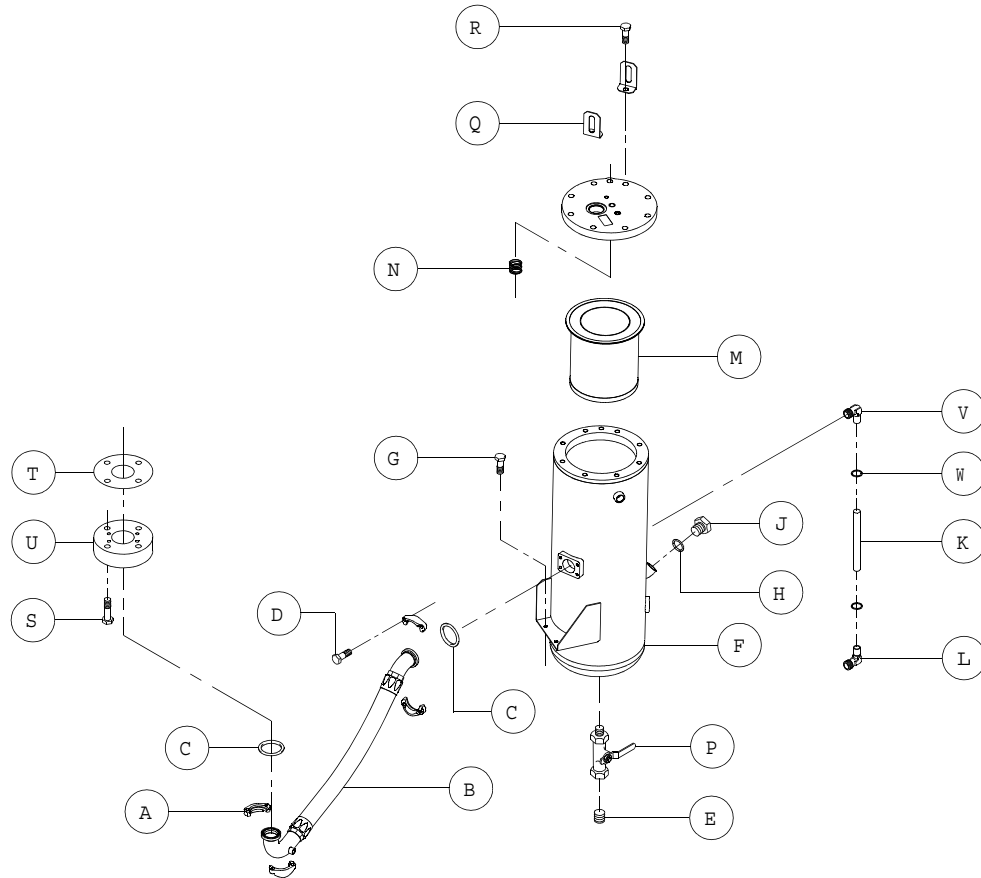
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	35369511	Fitting, Barbed	1	Continued
L	35283308	Hose Assembly	1	
M	35383118	Elbow	1	90°
N	35309210	Elbow	1	90°
P	---	To Engine Fuel Pump		
Q	35310234	Hose Assembly	1	
R	36844074	Rear Vent Hose Assembly	1	
S	95944666	Elbow	1	

Air Intake Complete



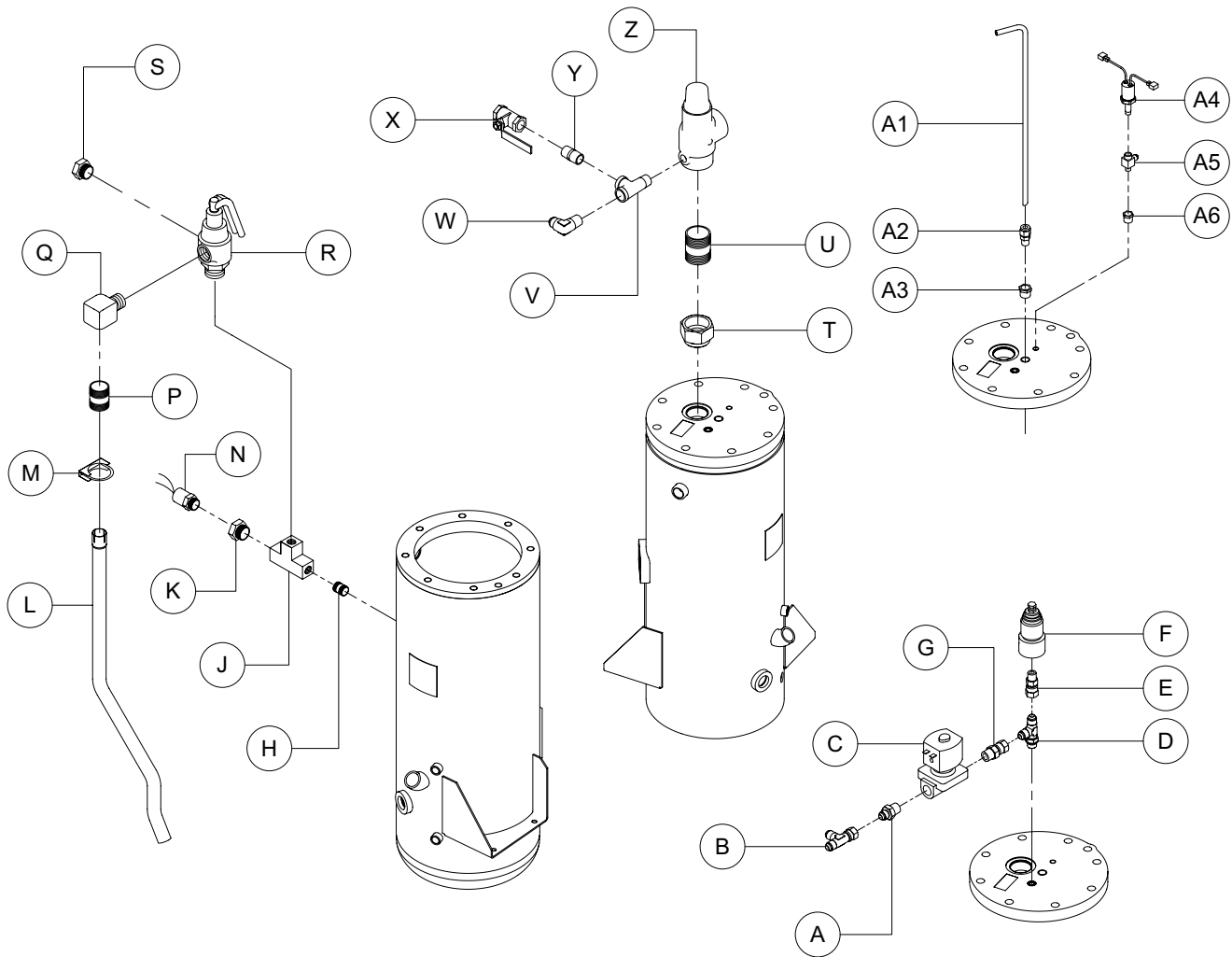
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35863638	Band, Mounting	4	M10 - 1.50 X 25
B	96702287	Screw	8	
C	96735550	Nut	8	M10
D	22271746	Bracket	1	
E	36867794	Nut, Wing	4	
F	36876019	Element, Safety	2	
G	36867786	Element, Primary	2	
H	36867778	Ejector, Dust	2	
J	35119858	Clamp	1	
K	35112333	Hose, Hump	1	
L	22283238	Tube	1	
M	35117605	Elbow, Rubber	1	90°
N	35116094	Clamp	4	
P	36866242	Air Filter Assembly (Includes Items E - H)	2	
Q	22285787	Elbow, Rubber	1	90°
R	35161025	Clamp	2	
S	22283246	Tube	1	
T	35274703	Elbow, Rubber	1	
U	36897668	Clamp	1	
V	22283592	Stiffener, Engine A/F	1	
W	22271738	Stiffener, Engine A/F	1	
X	22283600	Stiffener, Airend A/F	1	
Y	---	To Air End		
Z	---	To Engine		
A1	35279025	Screw	6	M8 - 1.25 X 20

Separator Tank Assembly



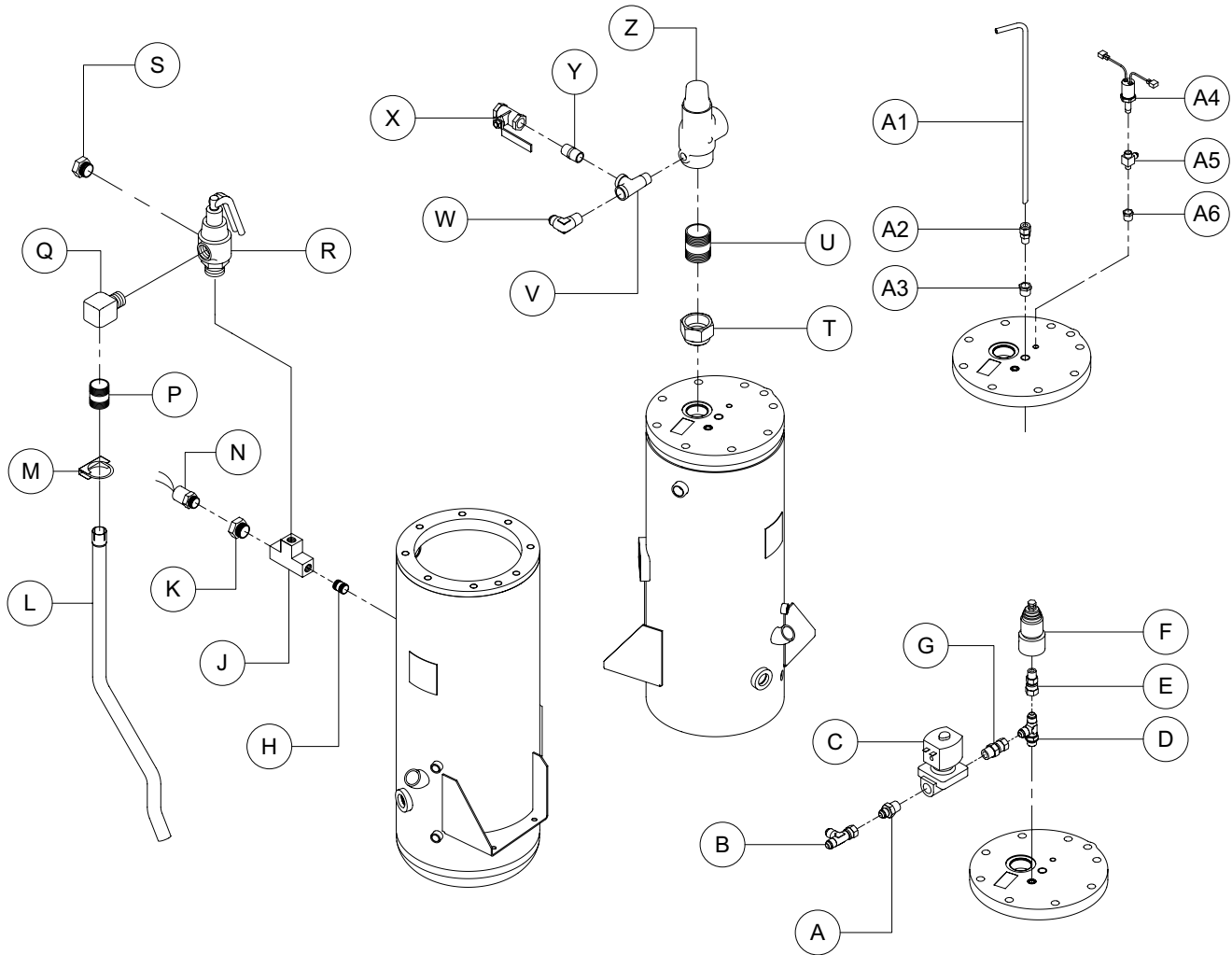
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36866010	Flange, Split	4	M12 - 1.75 X 35
B	22176572	Hose, Discharge	1	
C	36866028	O-Ring	2	
D	96702329	Screw	8	
E	95280541	Plug (High Speed Running Gear)	1	M12 X 25
F	22188205	Tank, Separator (Includes Cover)	1	
G	36879492	Screw	4	
H	35279942	O-Ring	1	
J	35579630	Plug, Filler	1	M20 X 70
K	22685531	Tube, Sight	1	
L	22685499	Elbow	2	
M	22291280	Element, Separator	1	
N	35602325	Spring	1	M20 X 70
P	36795680	Valve, Ball (Steerable Running Gear)	1	
Q	22326763	Bracket, Lift	2	
R	96727276	Screw	9	
S	39179072	Screw	4	M20 X 70
T	36898492	Gasket	1	
U	36898500	Adapter, Flange	1	
V	22685481	Elbow, Thick	1	
W	22685507	Insert, Tube	2	

Separator Tank Piping



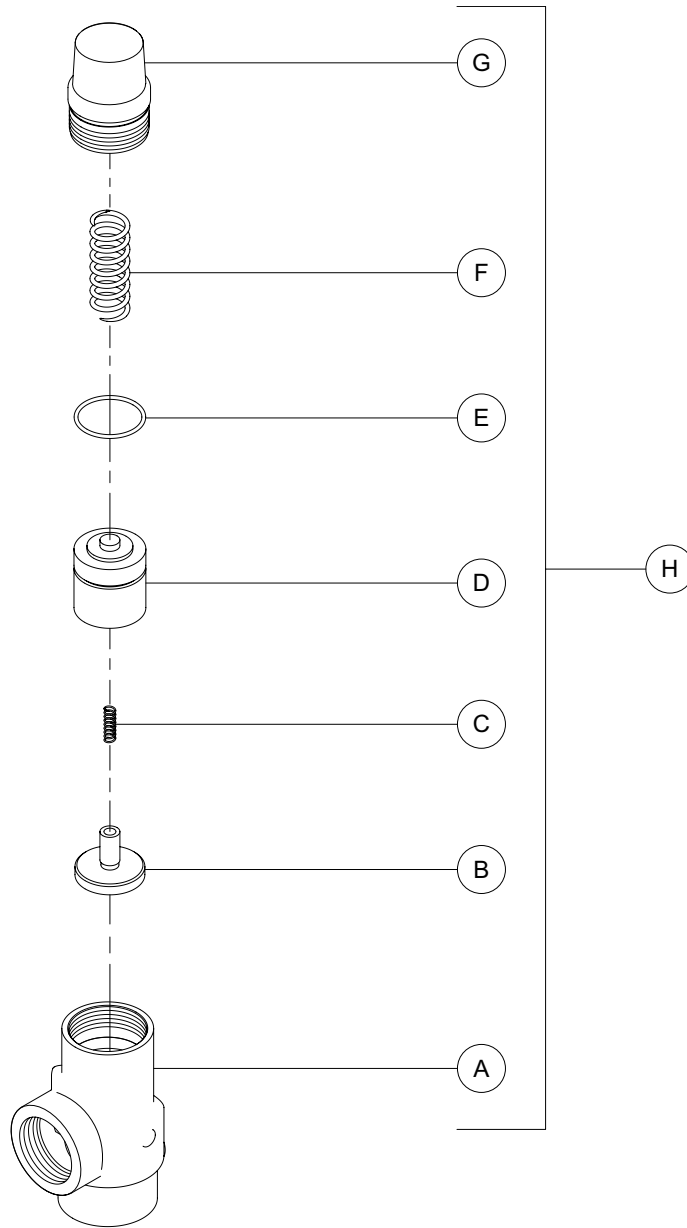
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35290147	Connector	1	Continued.....
B	35283092	Tee	1	
C	36840841	Valve, Solenoid	1	
D	35279850	Tee	1	
E	35367846	Connector	1	
F	36854149	Regulator (XP Units)	1	
	36854495	Regulator (HP Units)	1	
	36854149	Regulator (9 Bar Units)	1	
G	35368927	Connector	1	
H	95951422	Nipple	1	
J	95954228	Tee	1	
K	95940060	Bushing	1	
L	22352934	Pipe, Safety Valve	1	
M	35261155	Clamp, Muffler	1	
N	36865756	Switch, Temperature	1	
P	95953758	Nipple	1	

Separator Tank Piping



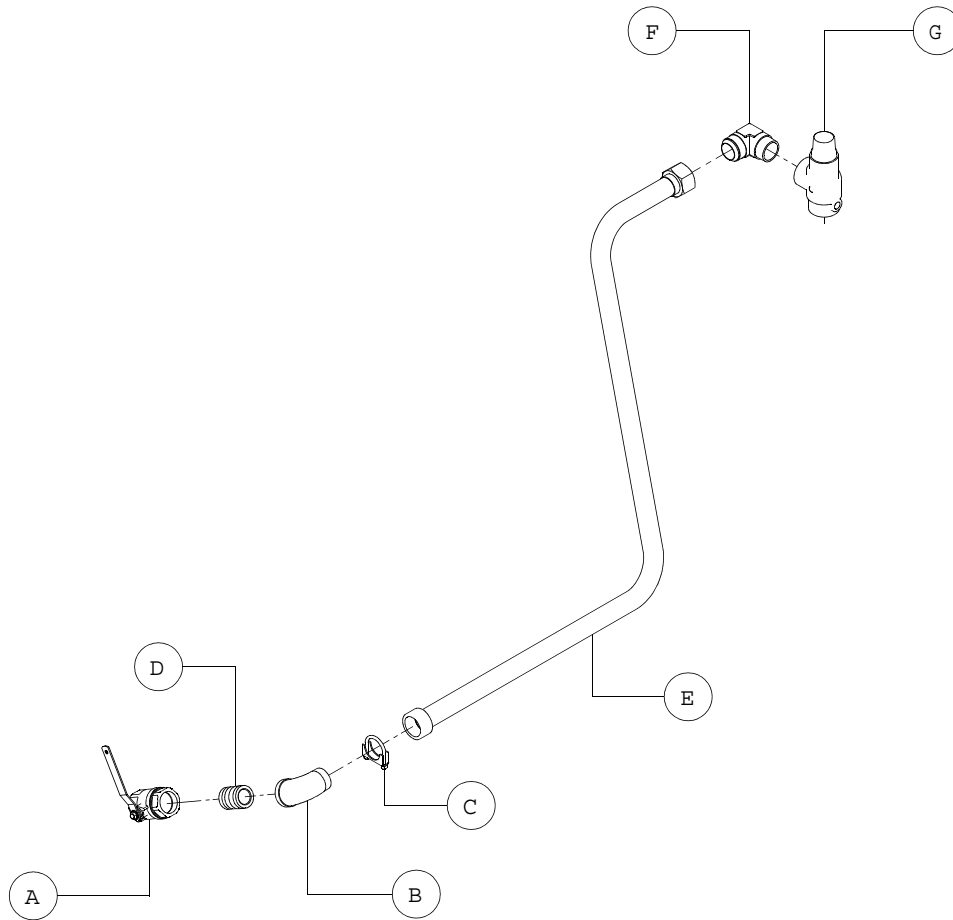
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Q	95944104	Elbow	1	Continued 90°
R	39227541	Valve, Safety	1	
S	95928230	Plug	1	
T	95944641	Adapter	1	
U	95953790	Nipple	1	
V	95944708	Tee	1	
W	35309210	Elbow	1	
X	35581792	Valve, Ball	1	
Y	95934279	Nipple	1	
Z	22217848	Valve, Min. Pressure	1	
A 1	36794147	Tube, Scavenge	1	
A2	35329309	Fitting, Tube	1	
A3	95953956	Adapter	1	
A4	36757573	Switch, Pressure	1	
A5	35326503	Tee	1	
A6	95953899	Bushing	1	

Minimum Pressure Check Valve Assembly



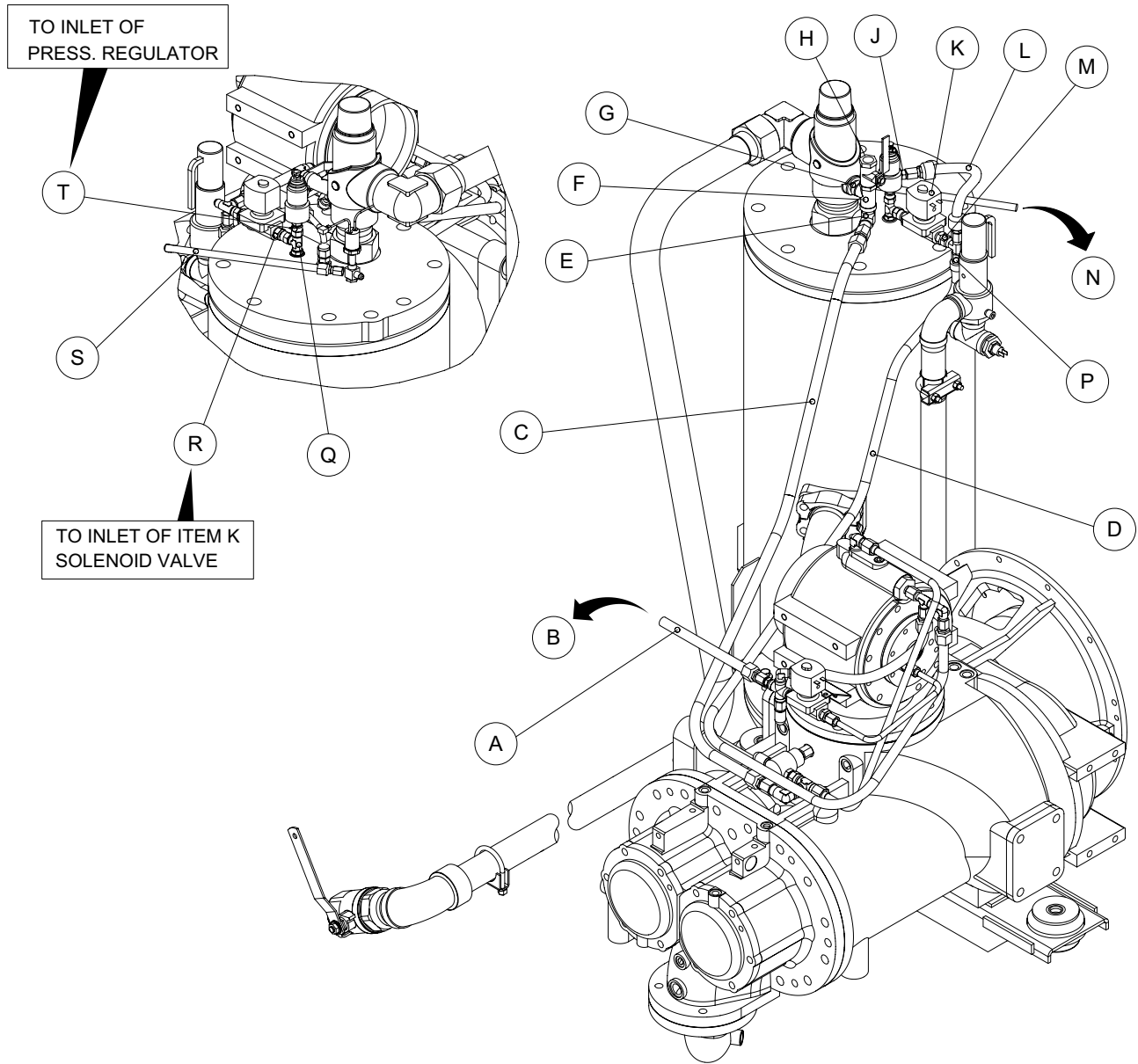
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22218424	Body, Valve	1	
B	35367317	CV Assembly	1	
C	22218457	Spring, Small	1	
D	35367325	Valve, Piston	1	
E	35367374	O-Ring	1	
F	35367366	Spring, Large	1	
G	22218432	Cap, Valve	1	
H	22217848	Minimum Pressure Check Valve Assembly	1	
	22218622	Check Valve Kit (Includes Items B, C, E & F)	1	

Service Piping (One 2" NPT Valve)



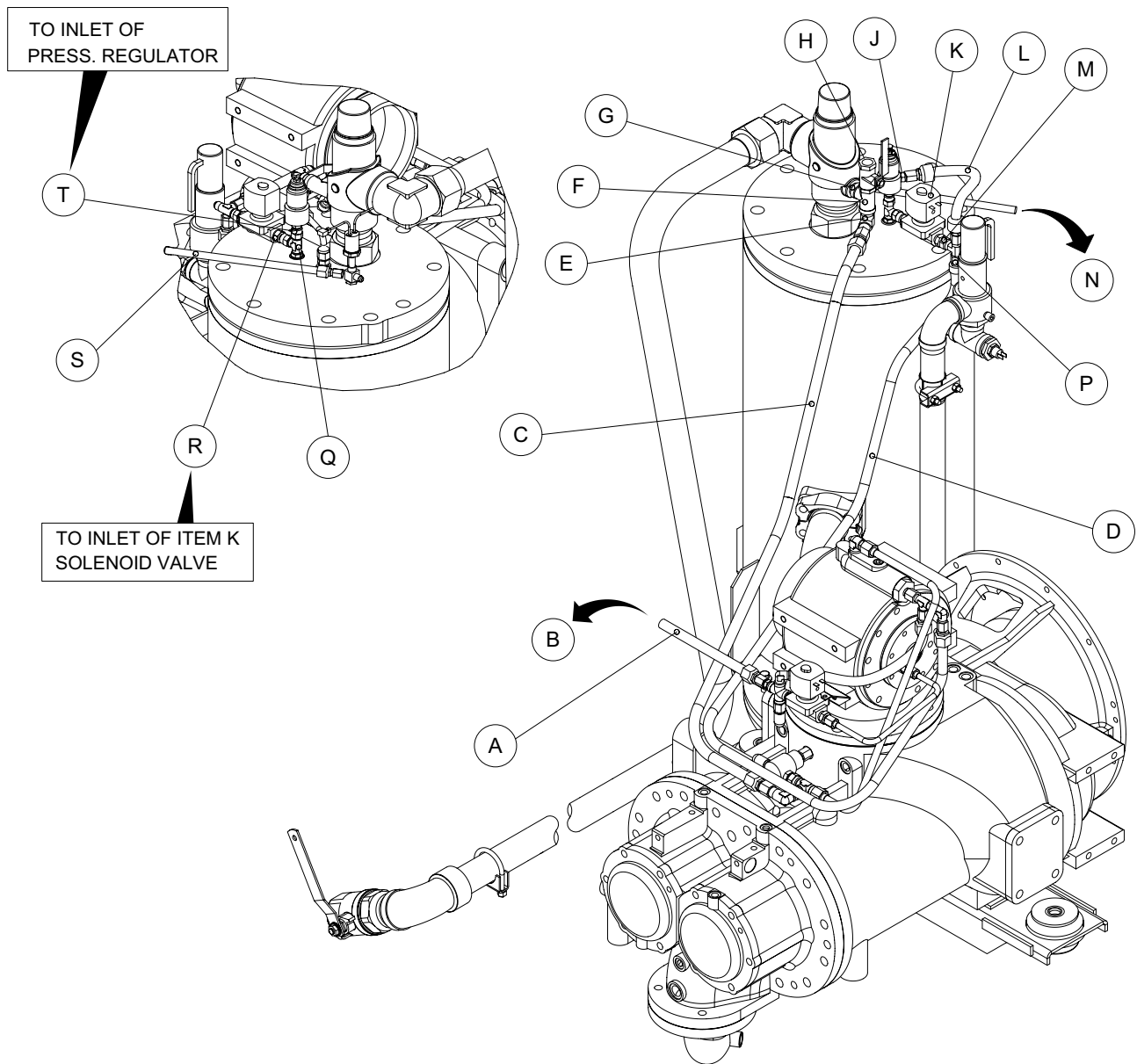
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35602473	Valve, Ball	1	
B	95944674	Elbow	1	
C	35192178	Clamp, Saddle	1	
D	95953790	Nipple	1	
E	22223846	Pipe, Service	1	
F	36786127	Elbow	1	
G	22217848	Valve, Minimum Pressure	1	

Air Piping



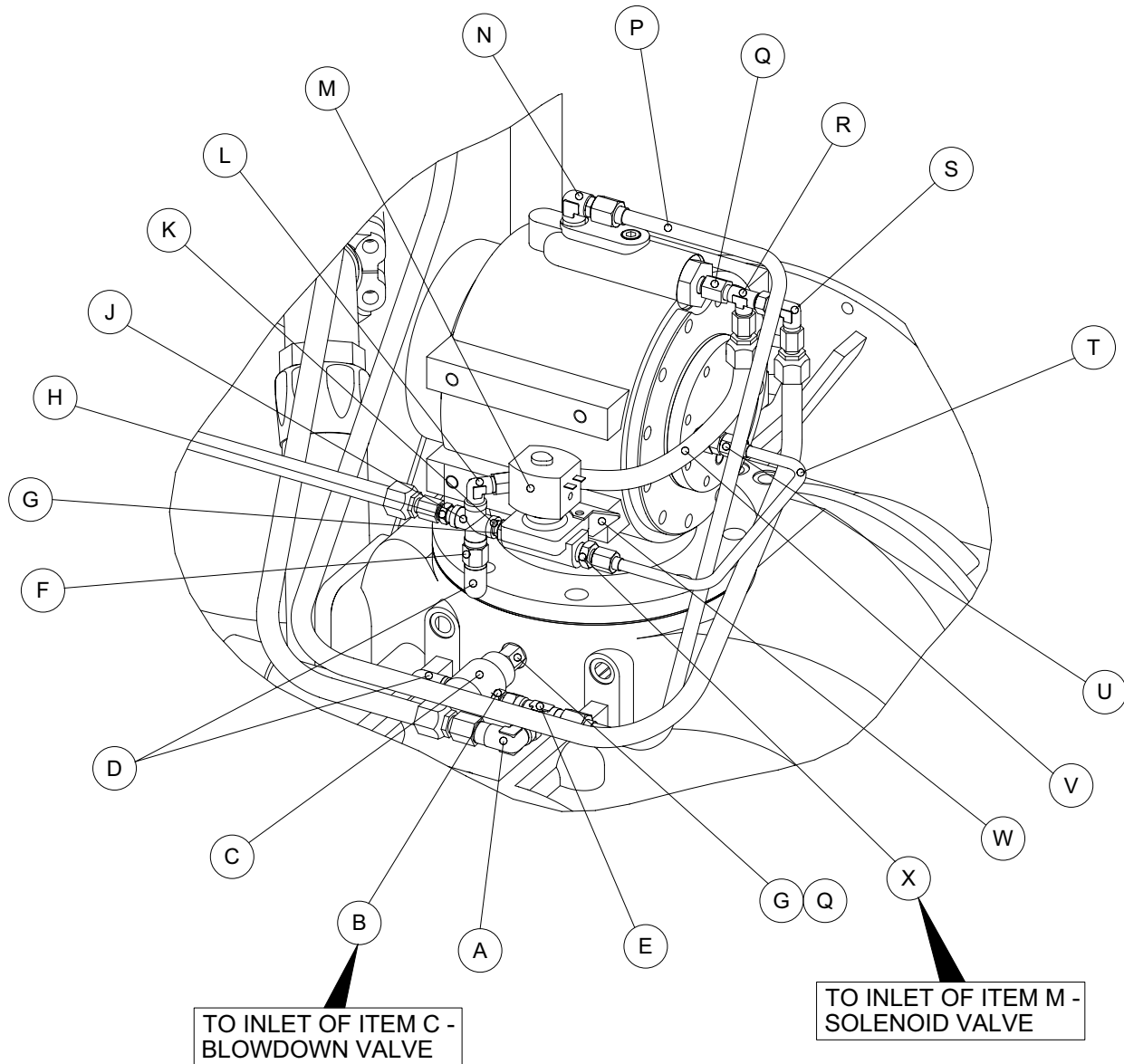
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35289578	Hose Assembly	1	90°
B	---	To Engine Air Cylinder	1	
C	35286541	Hose Assembly	1	
D	35284538	Hose Assembly	1	
E	35309210	Elbow	1	
F	95944708	Tee	1	
G	95934279	Nipple	1	
H	35581792	Valve, Ball	1	
J	35284082	Connector	1	
				<i>Continued.....</i>

Air Piping



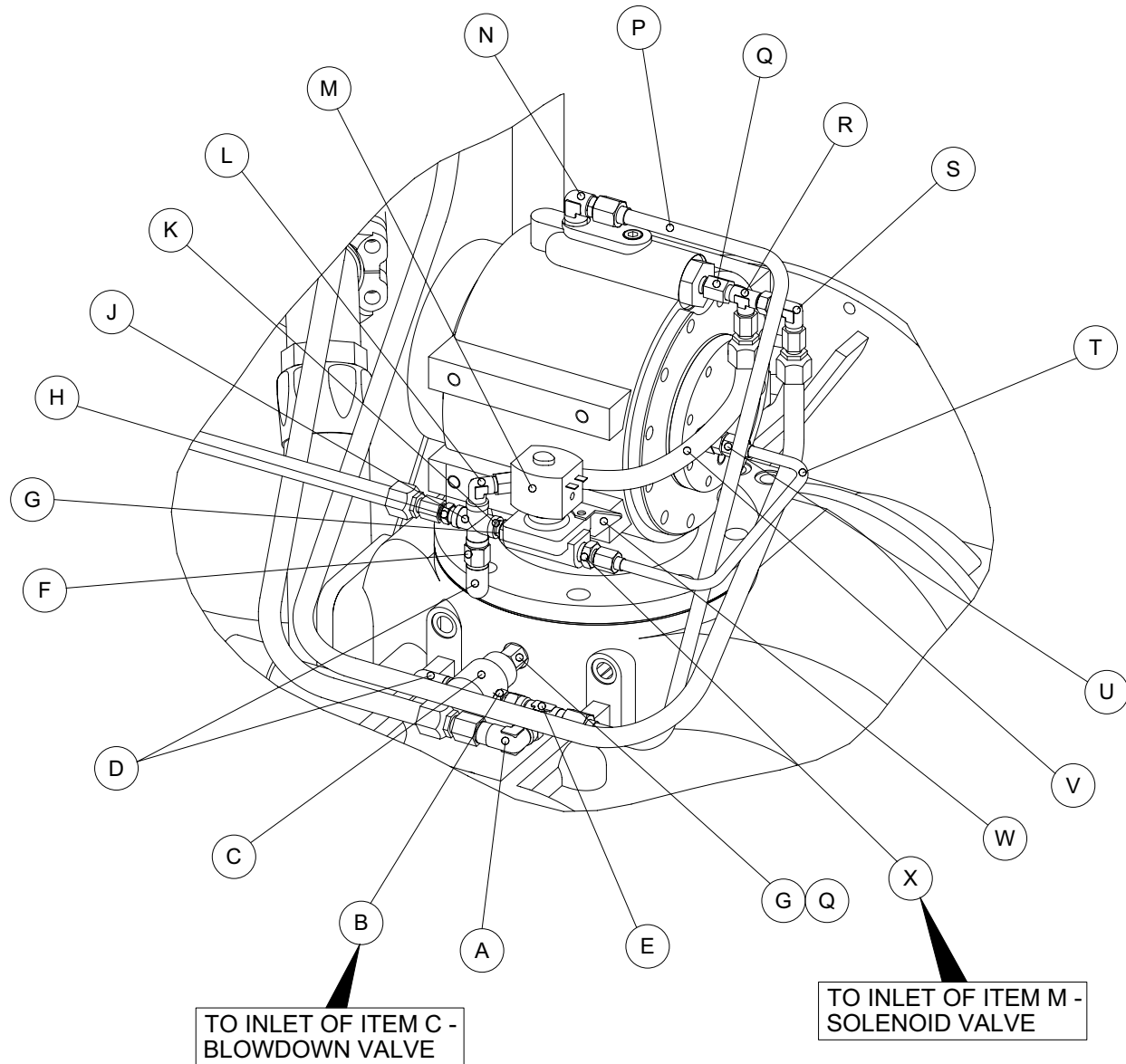
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	36840841	Valve, Solenoid	1	Continued
L	35282953	Hose Assembly	1	
M	35290147	Connector	1	
N	---	To Instrument Panel Pressure Gauge		
P	35283092	Tee	1	
Q	35279850	Tee	1	
R	35368927	Fitting, Swivel	1	
S	35306661	Hose Assembly	1	
T	35367846	Connector	1	

Air Piping



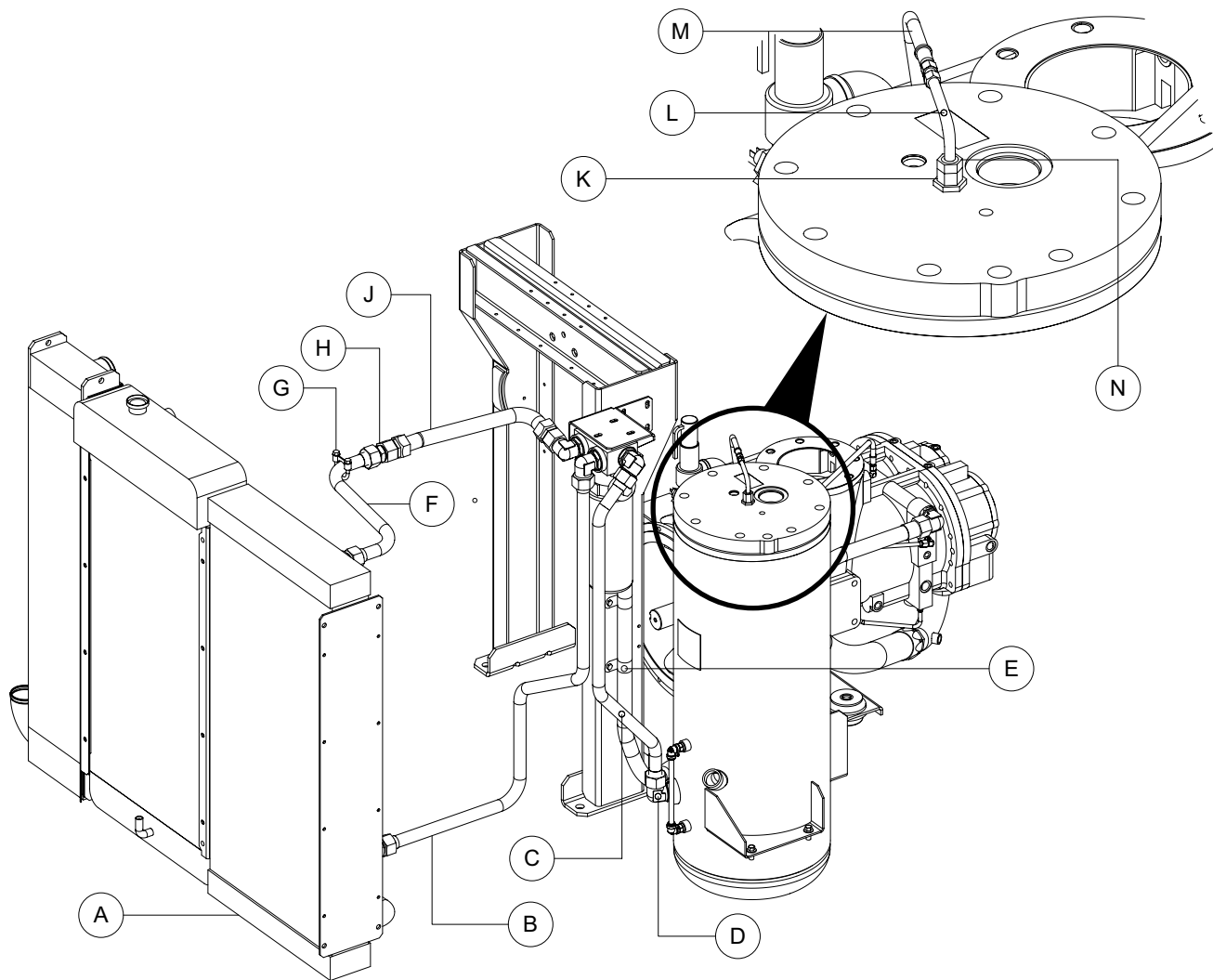
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35287911	Elbow	1	90°
B	35283134	Connector	1	
C	35322379	Valve, Blowdown	1	.156"
D	35322395	Silencer	2	
E	35287929	Tee	1	
F	35322346	Orifice	1	
G	95944575	Nipple	2	90°
H	35284082	Connector	1	
J	95954293	Cross	1	
K	95940748	Bushing	1	
L	35279934	Elbow	1	
				Continued.....

Air Piping



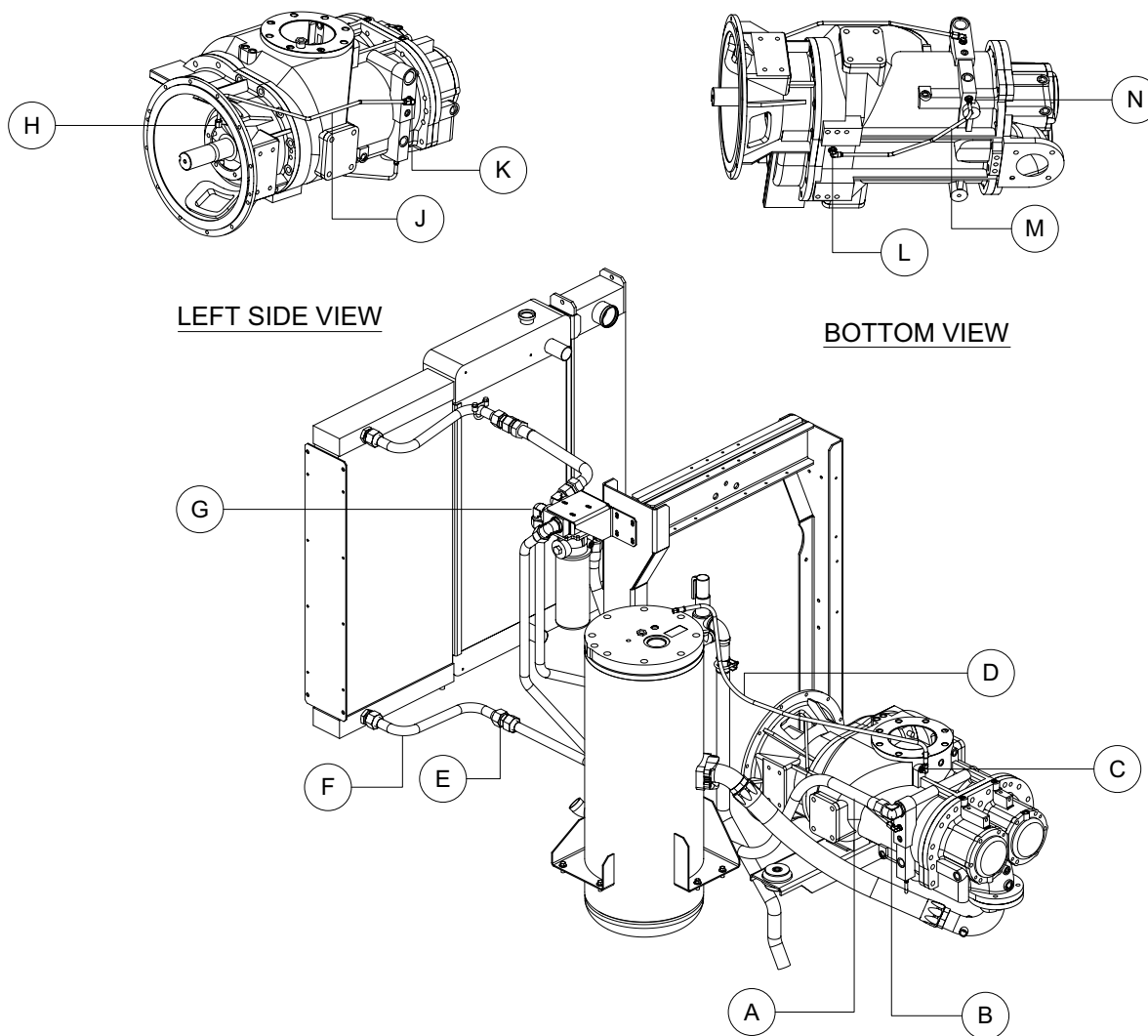
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	36881944	Valve, Solenoid	1	Continued
N	35287937	Elbow	1	
P	35857176	Tube Assembly	1	
Q	35302314	Adapter	2	
R	35283050	Tee	1	
S	35283068	Elbow	1	
T	36867554	Tube, Unloader	1	
U	36840460	Valve, Check	1	
V	35282961	Hose Assembly	1	
W	36841658	Bracket	1	
X	35290147	Connector	1	

Oil Piping



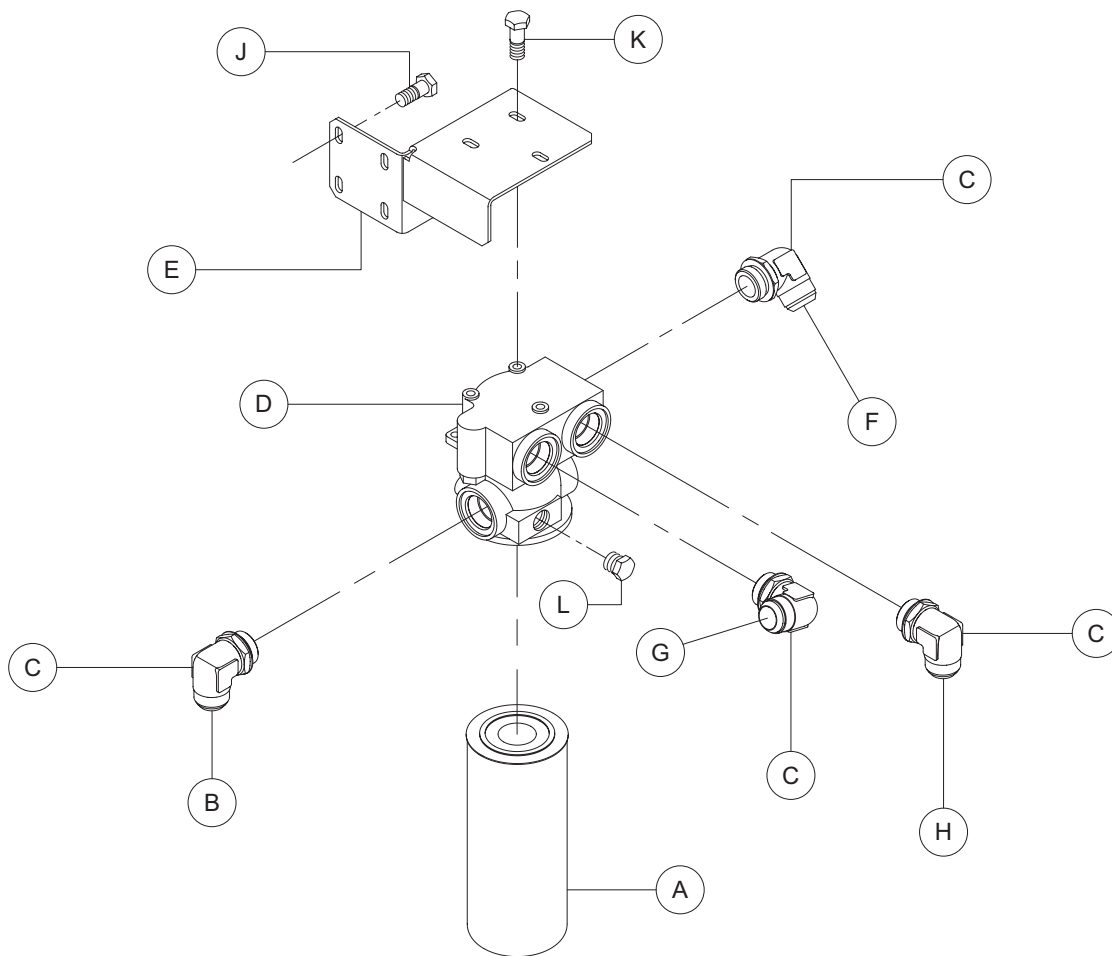
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22155592	Cooler, Oil	1	90°
B	22214787	Tube Assembly	1	
C	22214803	Tube Assembly	1	
D	35279777	Elbow	1	
E	35114057	Clamp	3	
F	22214779	Tube Assembly	1	
G	36785277	Clamp, Saddle	1	
H	95469052	Union	1	
J	35228212	Hose Assembly	1	
K	95953956	Reducer	1	
L	36794147	Tube, Scavenge	1	
M	36840411	Valve, Check	1	
N	35329309	Fitting, Lens	1	

Oil Piping



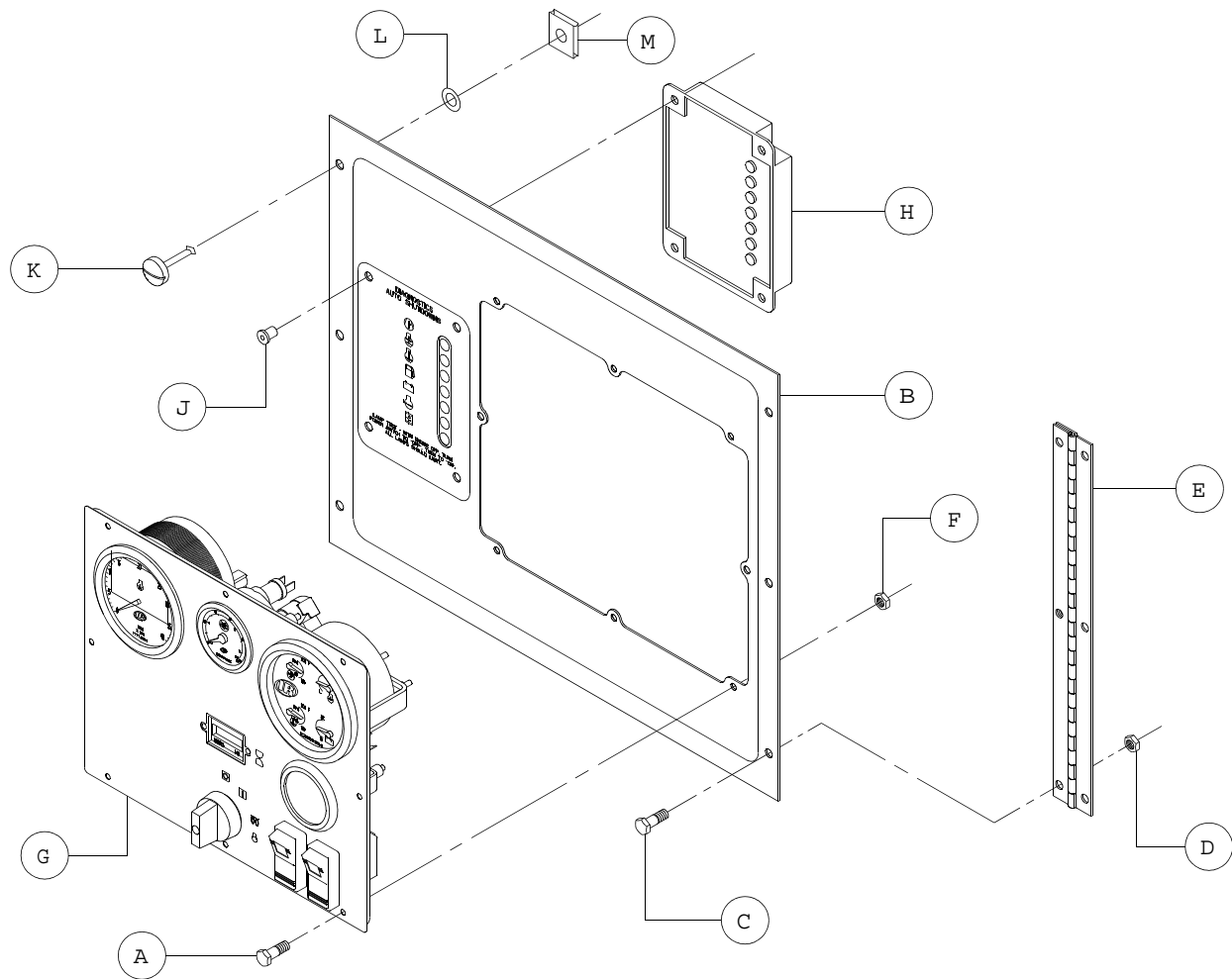
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22279772	Hose Assembly	1	90°
B	39476973	Elbow	1	90°
C	95365094	Elbow	1	
D	35322494	Hose Assembly	1	
E	95469052	Union	1	
F	22214779	Tube Assembly	1	
G	35279777	Elbow	4	90°
H	36866564	Connector	1	
J	39911284	Tube Assembly	1	
K	95959730	Elbow	1	90°
L	35279827	Elbow	1	90°
M	39911292	Tube	1	
N	95974663	Connector	1	

Compressor Oil Filter



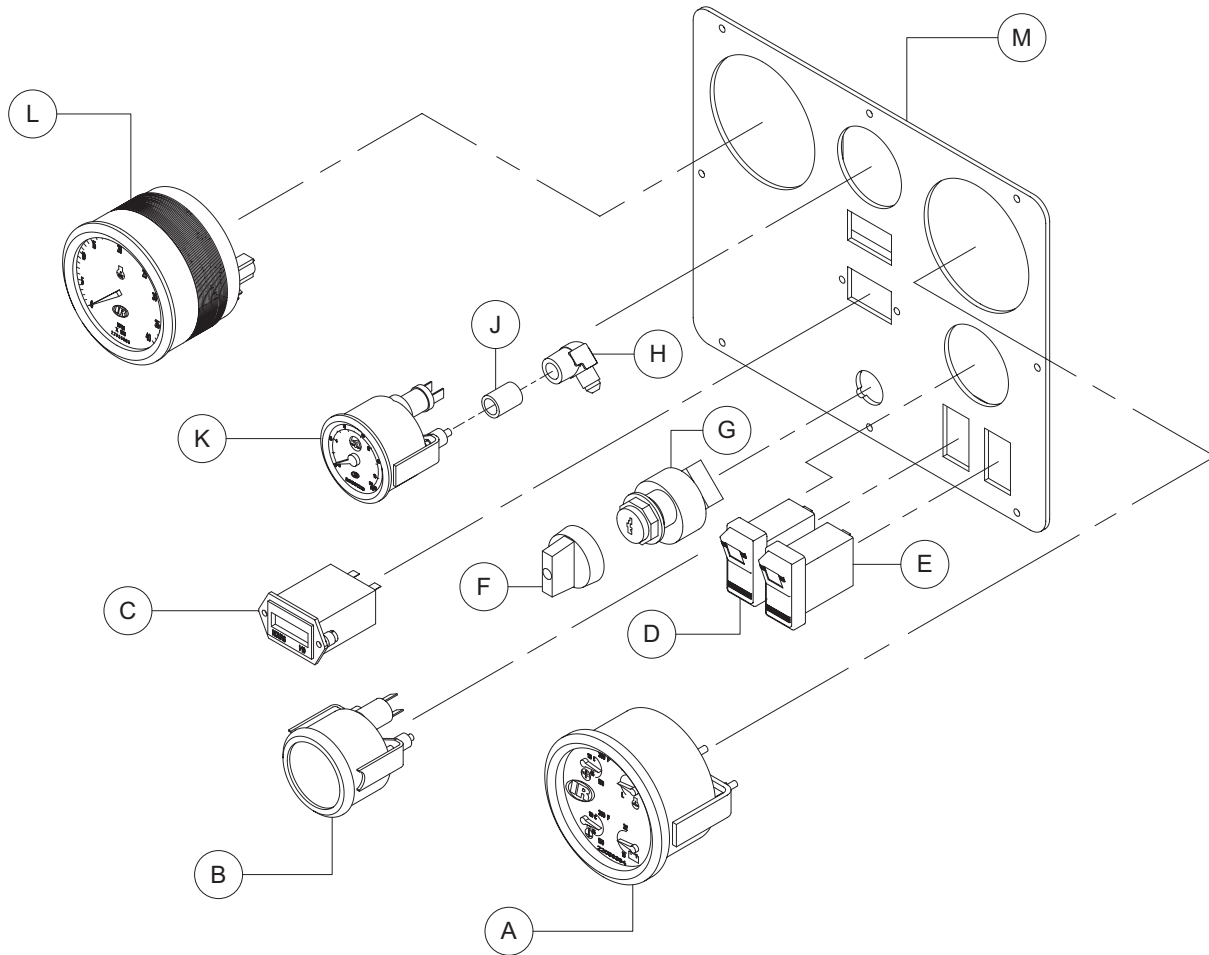
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36897346	Element, Oil Filter	1	90°
B	---	To Air End		
C	35279777	Elbow	4	
D	36871689	Head, Oil Filter	1	
	35388024	Relief Valve Kit (Spring, Ball & Plunger)	1	
	35388032	Thermostat (with O-Rings)	1	
	35388040	O-Ring Kit	1	
E	22213037	Bracket	1	
F	---	To Bottom of Separator Tank		
G	---	To Top of Oil Cooler		
H	---	To Bottom of Oil Cooler		
J	35279025	Screw	4	M8 - 1.25 X 20
K	96701479	Screw	3	M10 - 1.50 X 16
L	95938965	Plug	1	

Instrument / Control Panel Assembly



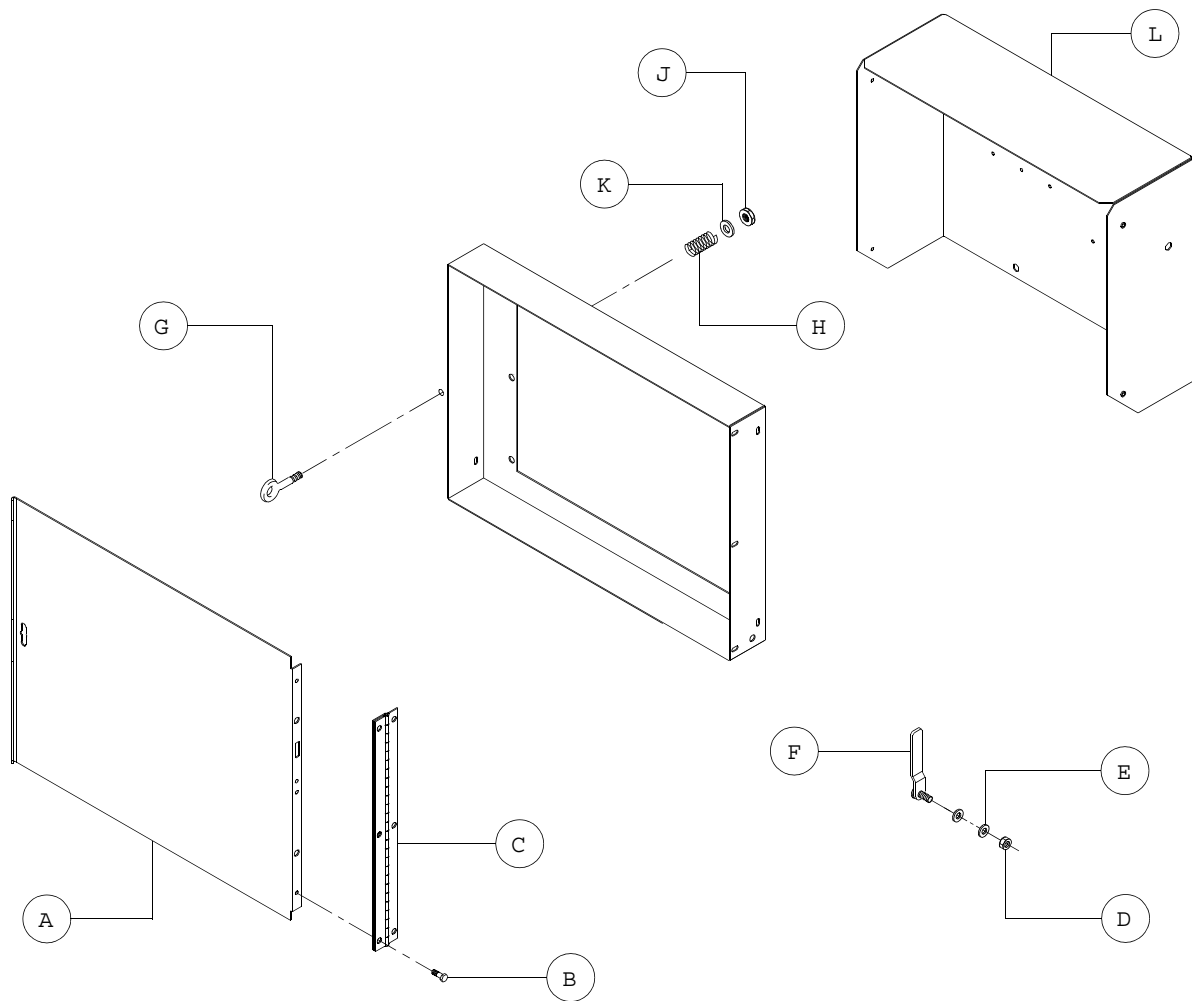
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95942553	Screw	8	M6 X 20
B	22299077	Instrument Panel Frame	1	
C	36898096	Screw	6	
D	36898104	Nut	6	
E	36845725	Hinge	1	
F	95942637	Nut	8	
G	22298350	Instrument Panel Assembly	1	
H	36771434	Module, 7 Light Diagnostics	1	
J	36775484	Rivet	4	
K	35256429	Screw, 1/4 Turn	3	
L	35256445	Retainer	3	
M	35256452	Clip	3	

Instrument / Control Panel



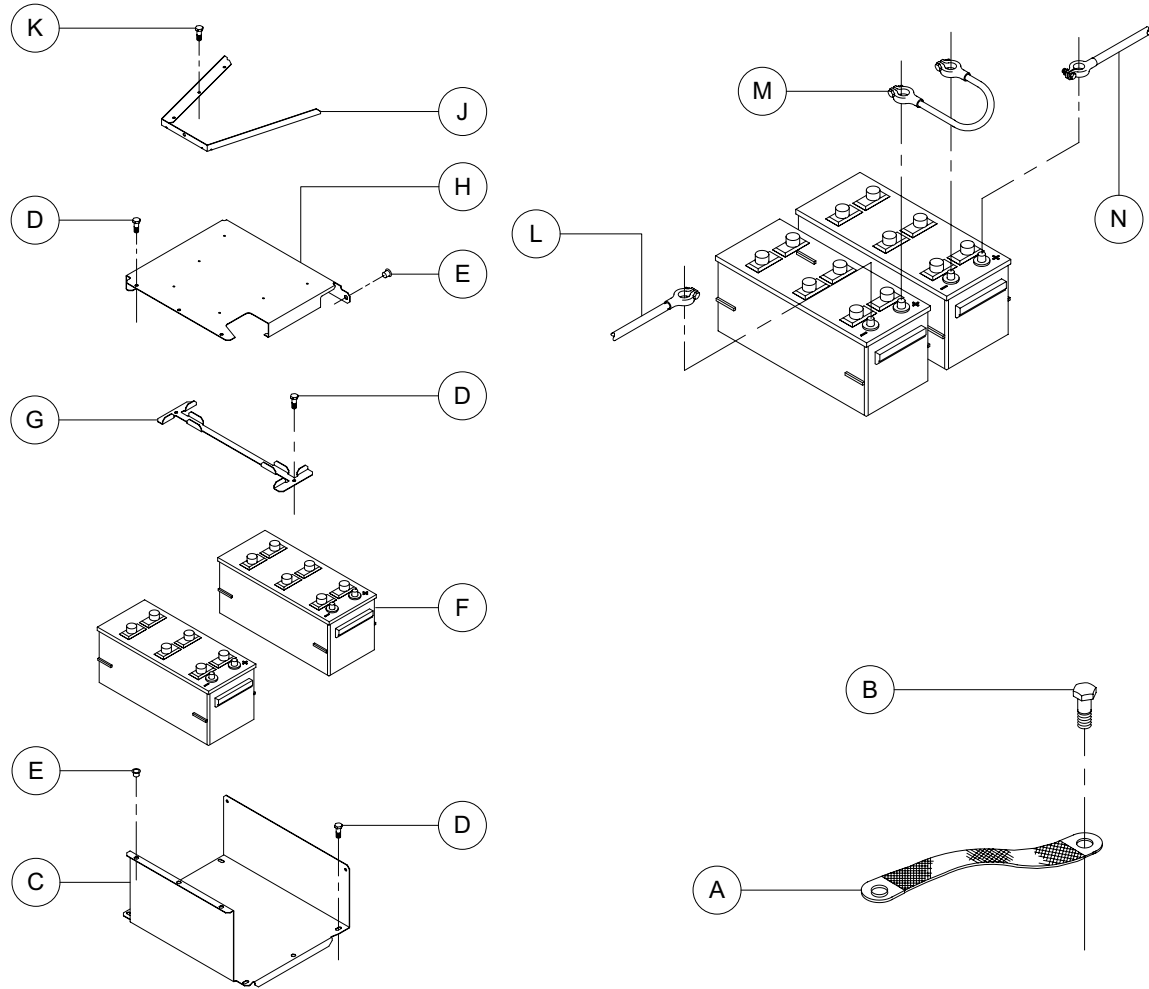
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22056394	Gauge, 4 in 1	1	24 v
B	22692602	Gauge, Fuel Level	1	
C	22054175	Meter, Hour	1	
	22054159	Rivet	2	
D	22054092	Switch, Warm-Up	1	90°
E	22054068	Switch, Ether	1	
F	22134118	Knob Assembly	1	
G	22127385	Switch, Start	1	
H	35306687	Elbow	1	200 PSI
J	95935599	Coupling	1	
K	36891216	Gauge, Pressure	1	
L	22055883	Tachometer	1	
M	22171680	Panel, Instrument	1	
	22286348	Panel Harness	1	

Instrument Panel Door Assembly



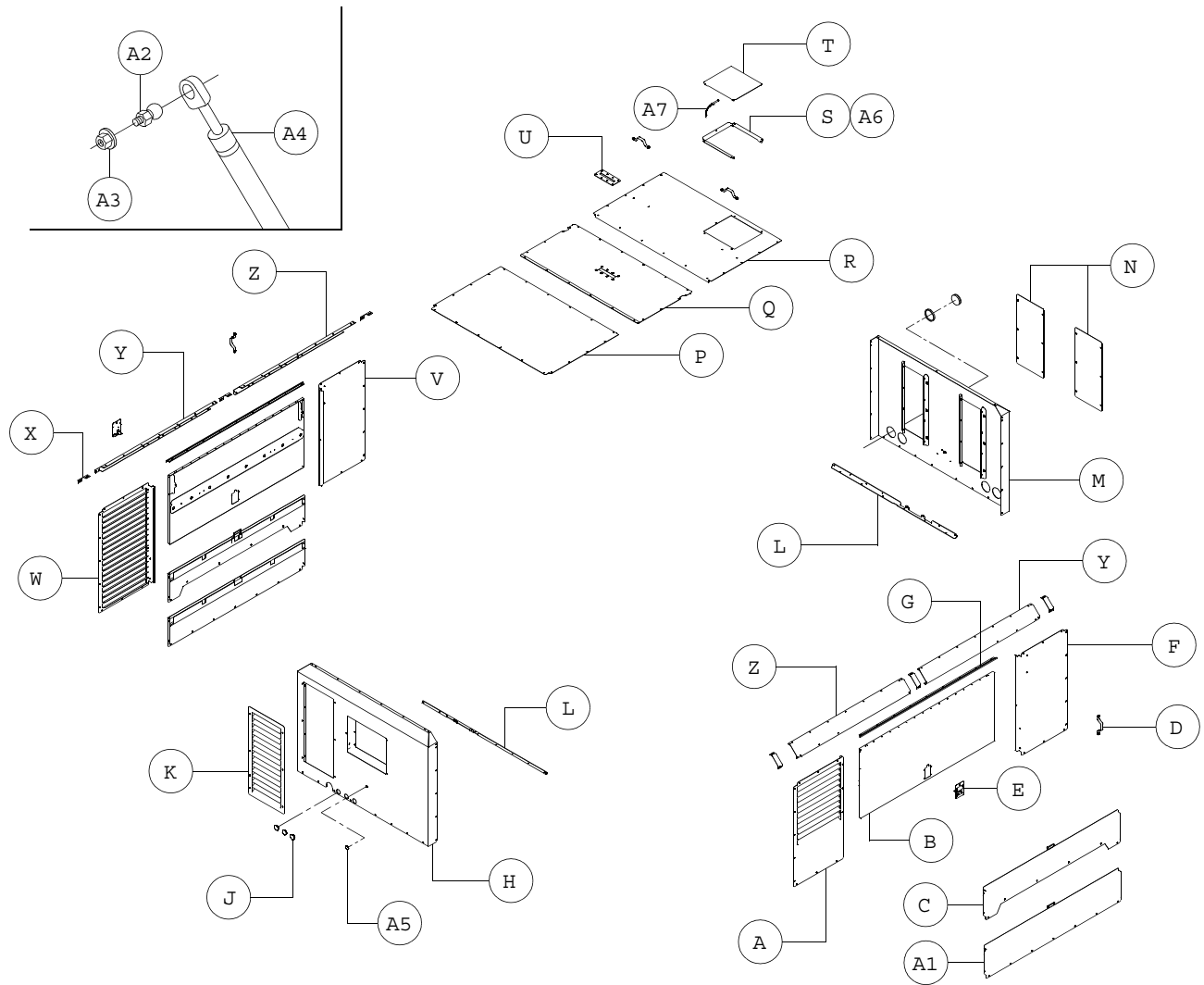
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22300230	Door, Instrument Panel	1	M6 - 1.0 X 14
B	92368687	Screw	6	
C	36845733	Hinge	1	
D	35273366	Nut	1	
E	95935037	Washer	2	M10 X 1.5
F	35603349	Holder, Door	1	
G	35327303	Eyebolt	1	
H	35327311	Spring	1	
J	95923314	Nut	1	M6 - 1.0 X 14
K	95934998	Washer	1	
L	22297865	Cover, Relay	1	
	92368687	Screw	4	

Battery and Mounting



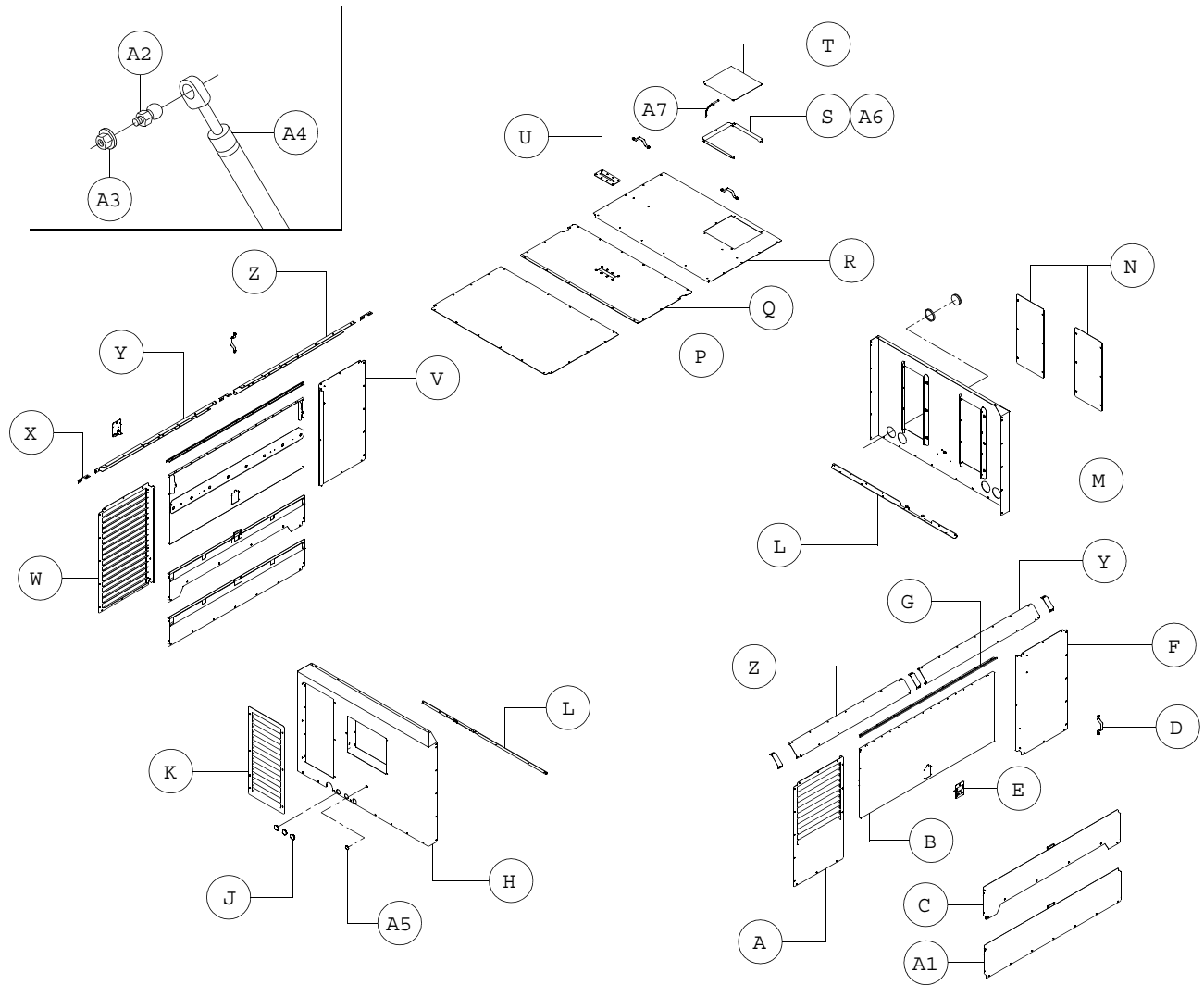
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22132153	Starter To Engine Ground Strap	2	M12 - 1.75 X 20
B	96719869	Screw	1	
C	22252811	Tray, Bottom Battery	1	M8 - 1.25 X 20
D	35279025	Screw	11	
E	36895746	Nutsert	7	
F	36793545	Battery	2	
G	22253892	Spacer, Battery	1	M6 - 1.0 X 12
H	22252829	Tray, Top	1	
J	22254981	Brace, Top Tray	1	
K	36797652	Screw	6	
L	36780609	Cable, Negative	1	
	22659874	Cable, Negative (High-Mount Starter)	1	
M	35598986	Cable, Jumper	1	
N	35582410	Cable, Positive	1	
	36794691	Cable, Positive (High-Mount Starter)	1	

Enclosure



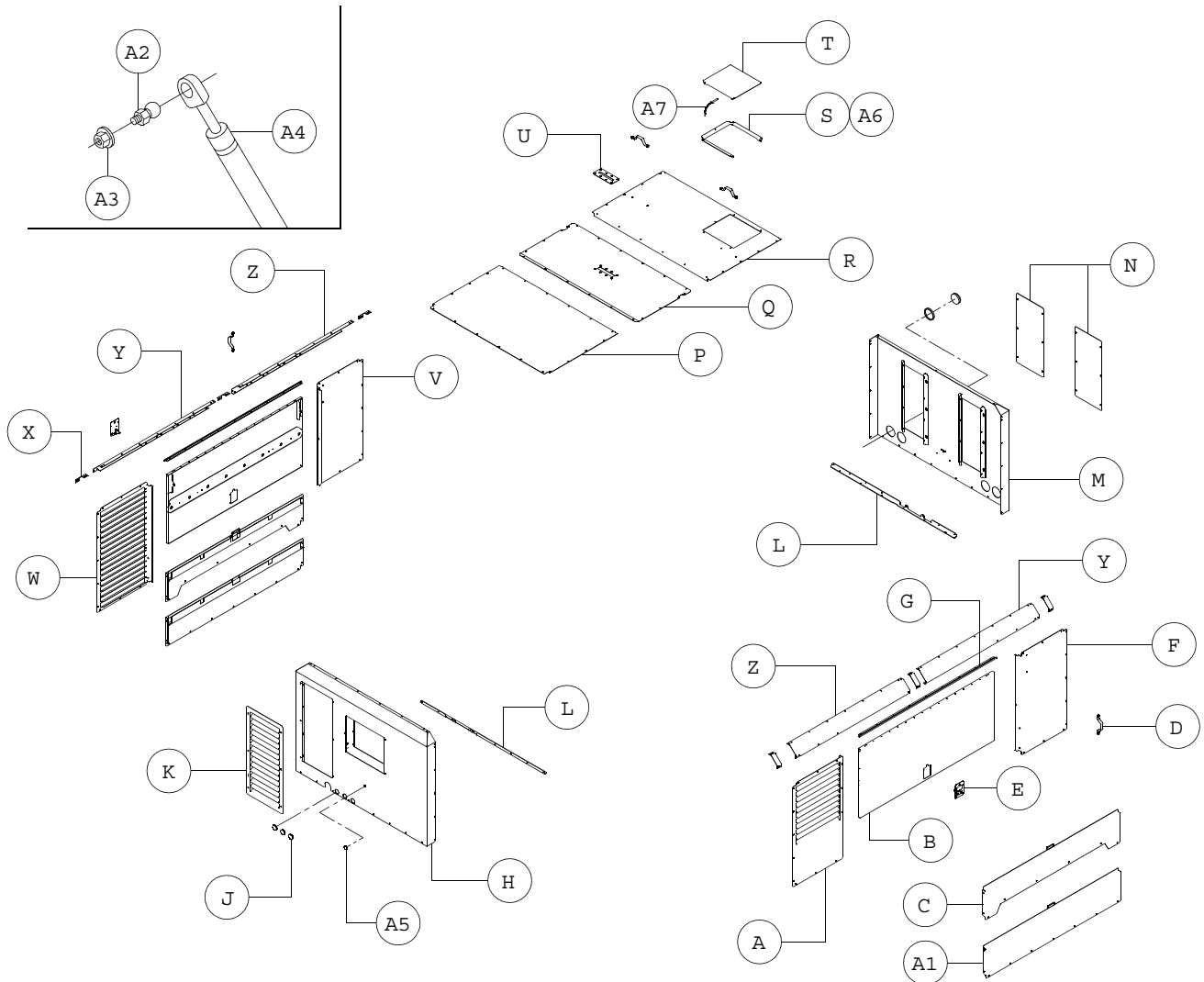
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22201578	Grill, Left Front	1	Continued.....
B	22211163	Door, Side	2	
	22211171	Door, Side (Galvaneal)	2	
C	22208284	Panel, Lower Side (High Speed Run. Gear)	2	
	22208292	Panel, Lower Side (HSRG Galvaneal)	2	
D	35130707	Handle	4	
	36889608	Screw	8	
	36881886	Nut	8	
E	36793602	Latch Assembly	2	
	36794816	Rivet	8	

Enclosure



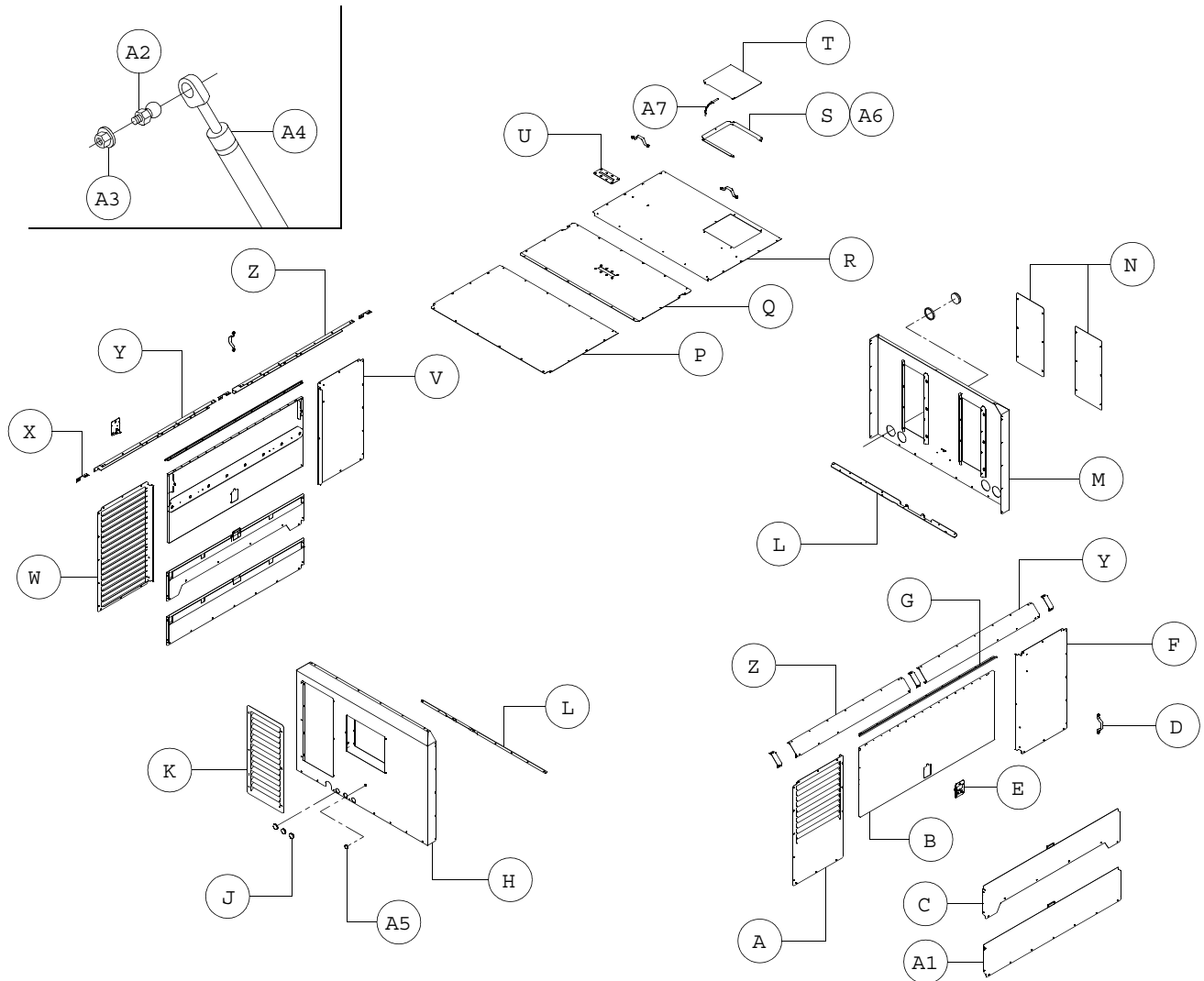
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
F	22197818	Panel, Left Rear	1	Continued
	22197826	Panel, Left Rear (Galvaneal)	1	
G	92912419	Hinge, Door	2	
H	22202048	Panel, Front End	1	
	22202055	Panel, Front End (Galvaneal)	1	
J	35310622	Plugs, Hole	3	Continued.....

Enclosure



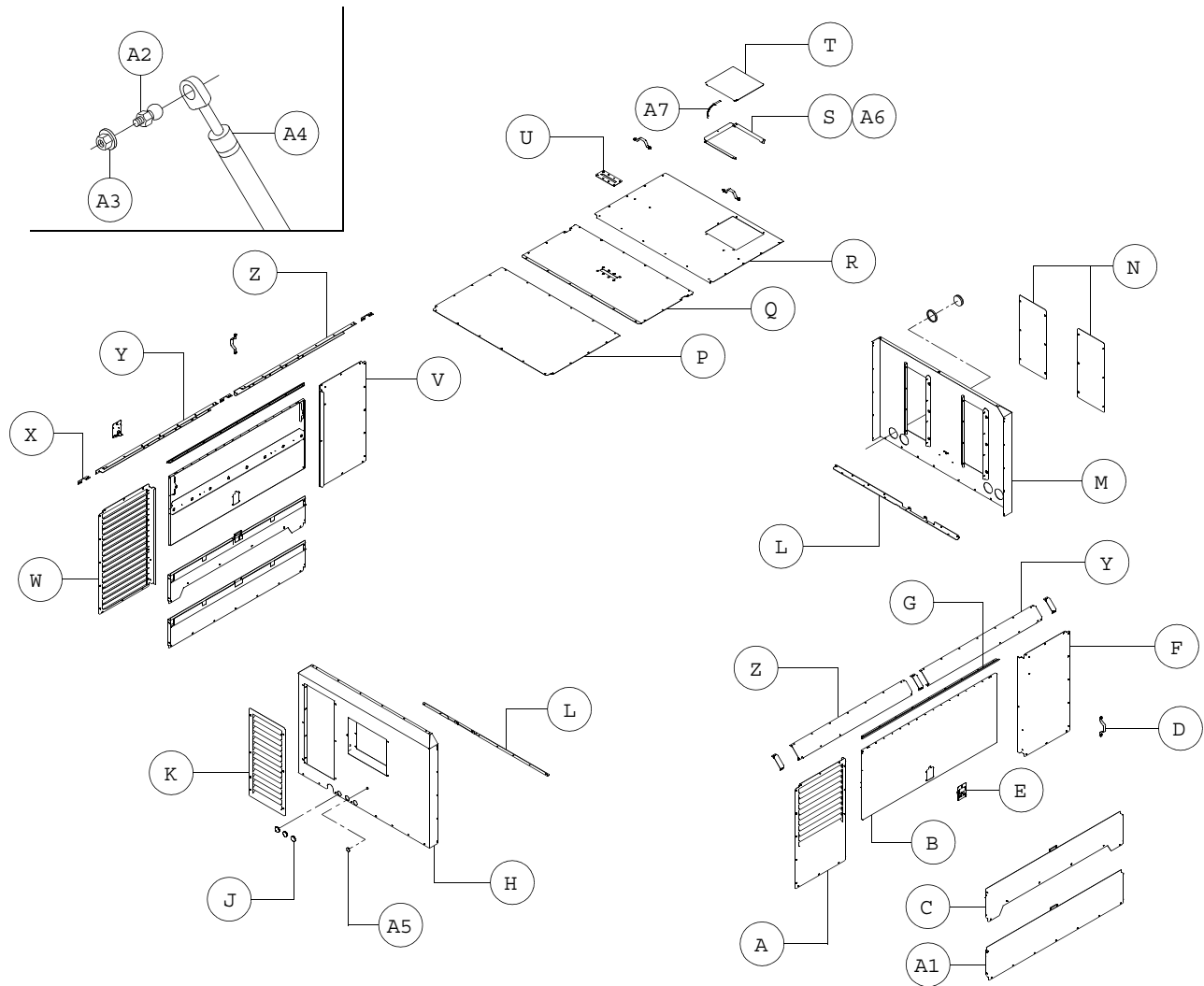
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	22202063	Grill, Front End	1	Continued
L	22207930	Brace, End Panel	2	
M	22197479	Panel, Rear End (High Speed Run. Gear)	1	
	22197487	Panel, Rear End (HSRG Galvaneal)	1	
	22452379	Panel, Rear End (Wagon Wheel)	1	
	22452353	Panel, Rear End (Wagon Wheel Galvaneal)	1	
N	22300248	Cover, End Panel	2	
	22300644	Cover, End Panel (Galvaneal)	2	
	22208300	Panel, Front Top	1	
P	22208318	Panel, Front Top (Galvaneal)	1	
Q	22237564	Panel, Top Middle	1	
	22245757	Panel, Top Middle (Galvaneal)	1	
R	22199020	Panel, Top Rear	1	Continued.....
	22199038	Panel, Top Rear (Galvaneal)	1	
	22243307	Bracket, Door	1	
S	22243299	Bracket, Door (Galvaneal)	1	

Enclosure



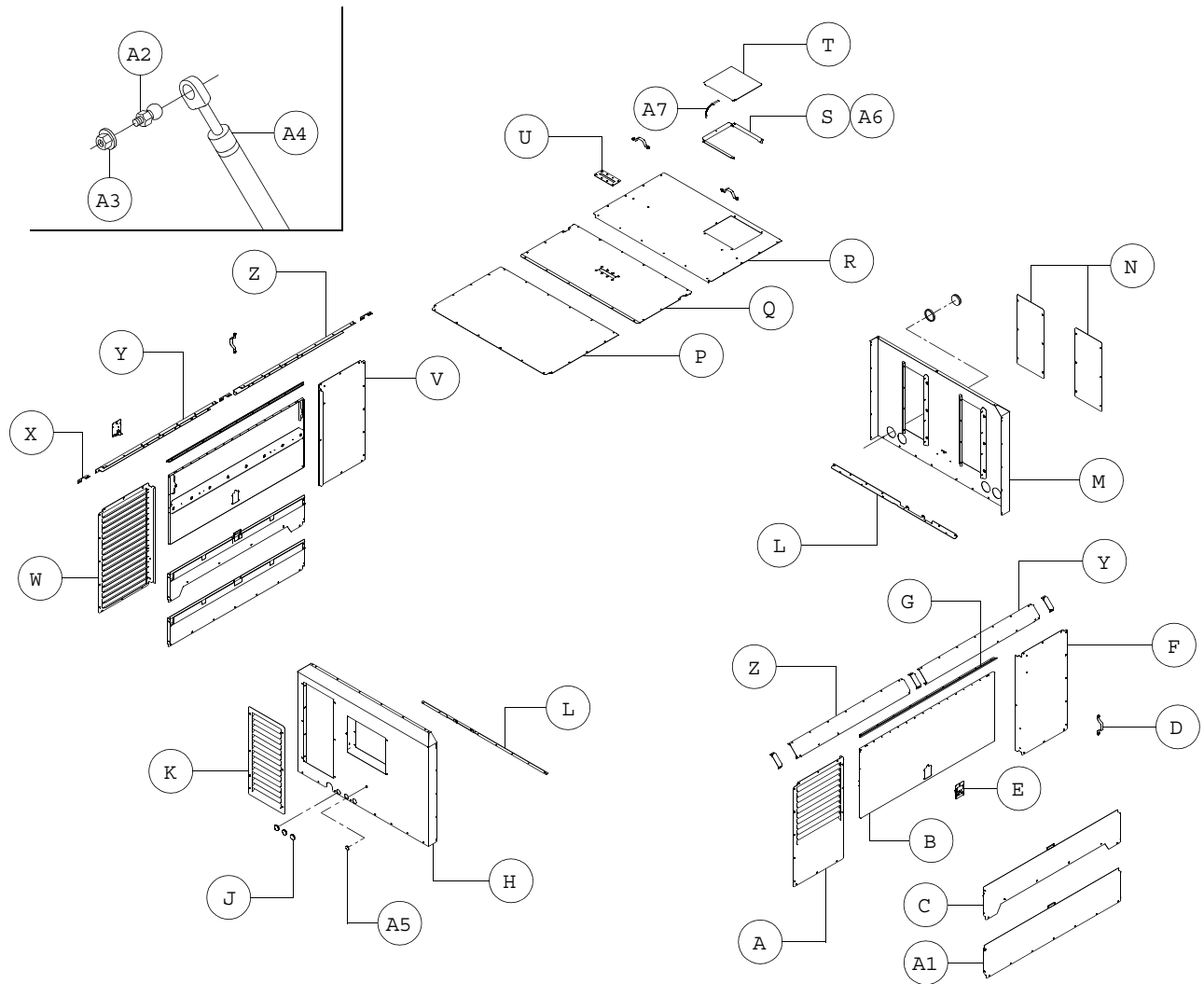
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
T	22243273	Door, Overflow	1	Continued
	22243281	Door, Overflow (Galvaneal)	1	
U	22208946	Cover, Lift Bail	1	
	22208953	Cover, Lift Bail (Galvaneal)	1	
V	22197495	Panel, Right Rear	1	Continued.....
	22197503	Panel, Right Rear (Galvaneal)	1	
W	22203681	Grill, Right Front	1	
X	36755742	Filler, Side Rail	6	

Enclosure



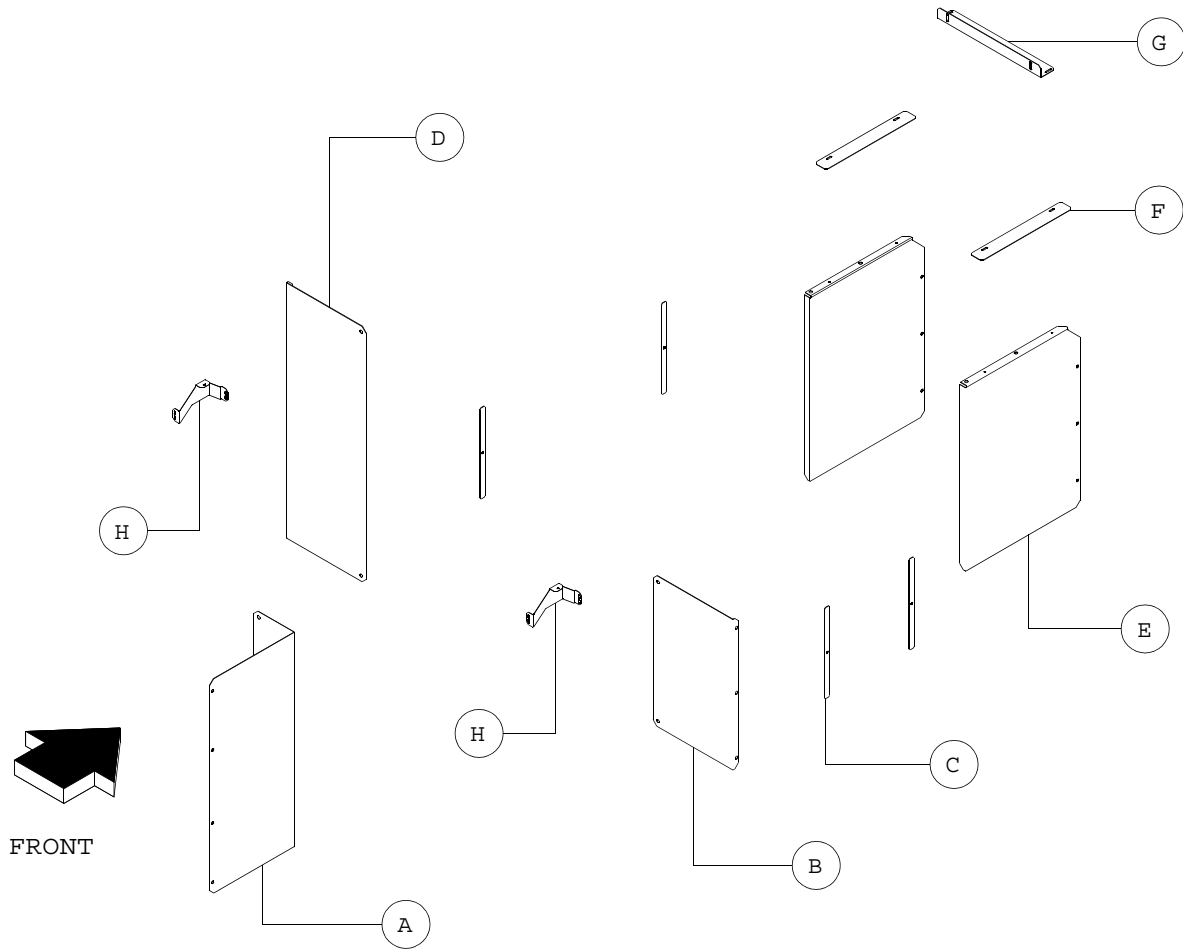
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Y	22198188	Rail, Top Side	2	 <i>Continued</i>
	22198196	Rail, Top Side (Galvaneal)	2	
Z	22198444	Rail, Top Side	2	
	22198451	Rail, Top Side (Galvaneal)	2	
A1	22244255	Panel, Lower Side (Wagon Wheel)	2	M8 - 1.25 <i>Continued.....</i>
	22244636	Panel, Low. Side (Wagon Wheel, Galvaneal)		
A2	35337328	Stud	8	
A3	36881886	Nut	8	
A4	36844355	Spring, Gas	4	

Enclosure



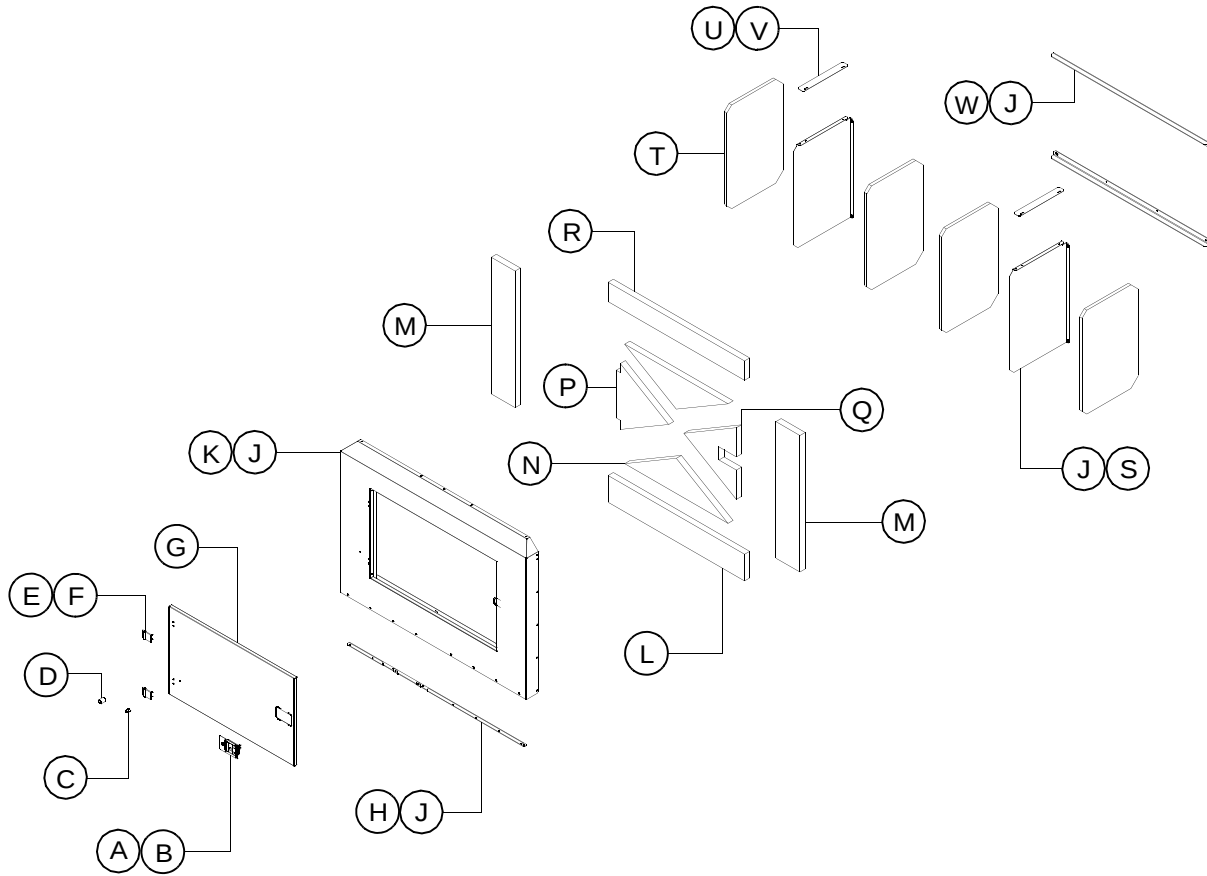
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	22068373	Seal, Door	2	Continued M8 - 1.25 X 20 M6 - 1.0 X 12
	36895746	Nutsert		
	35279025	Screw		
	36797652	Screw		
	54413117	Decal, Galvaneal	2	
A5	22312599	Plug	1	
A6	36797652	Screw	5	
A7	35278720	Pin	1	

Enclosure Baffles



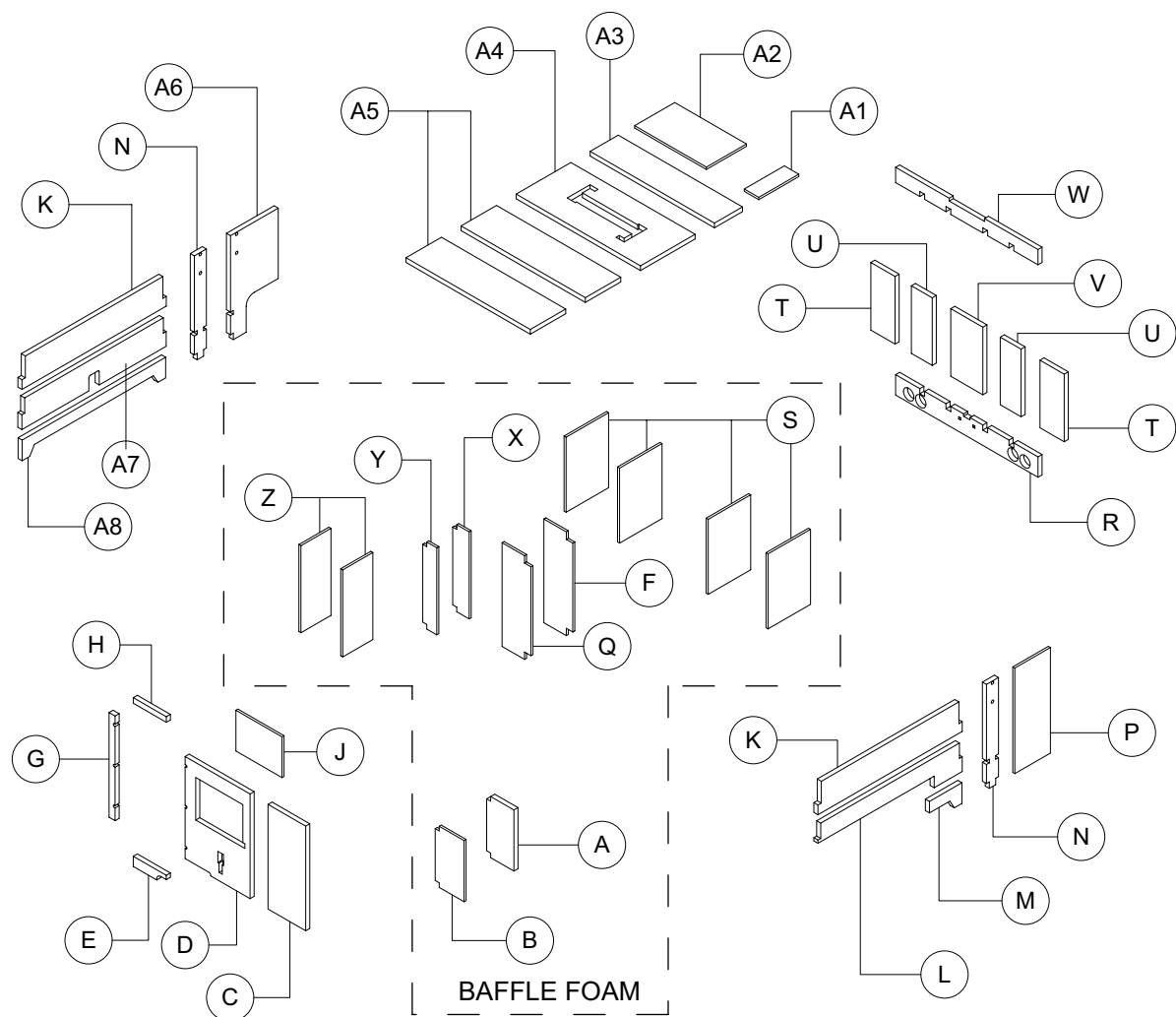
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22301089	Baffle, Front Air Intake	1	
	22390447	Baffle, Front Air Intake (After Cooler)		
	22508295	Baffle, Front Air Intake (IQ System)		
B	22301097	Baffle, Left Front Air Intake	1	
C	54718184	Strap, Foam Retention (Doors and Roof)	15	
	54519202	Screw	15	
D	22301048	Baffle, Right Front Air Intake	1	
	22395586	Baffle, Right Front Air Intake (Aftercooler)	1	
E	22301105	Baffle, Exhaust	2	
F	22301717	Plate, Baffle	2	
G	22301113	Bracket, Baffle Mounting	1	
	36895746	Nutsert		
	35279025	Screw		
	36797652	Screw		
H	22336184	Bracket, Intake Baffle	2	

Rear Door Enclosure Option



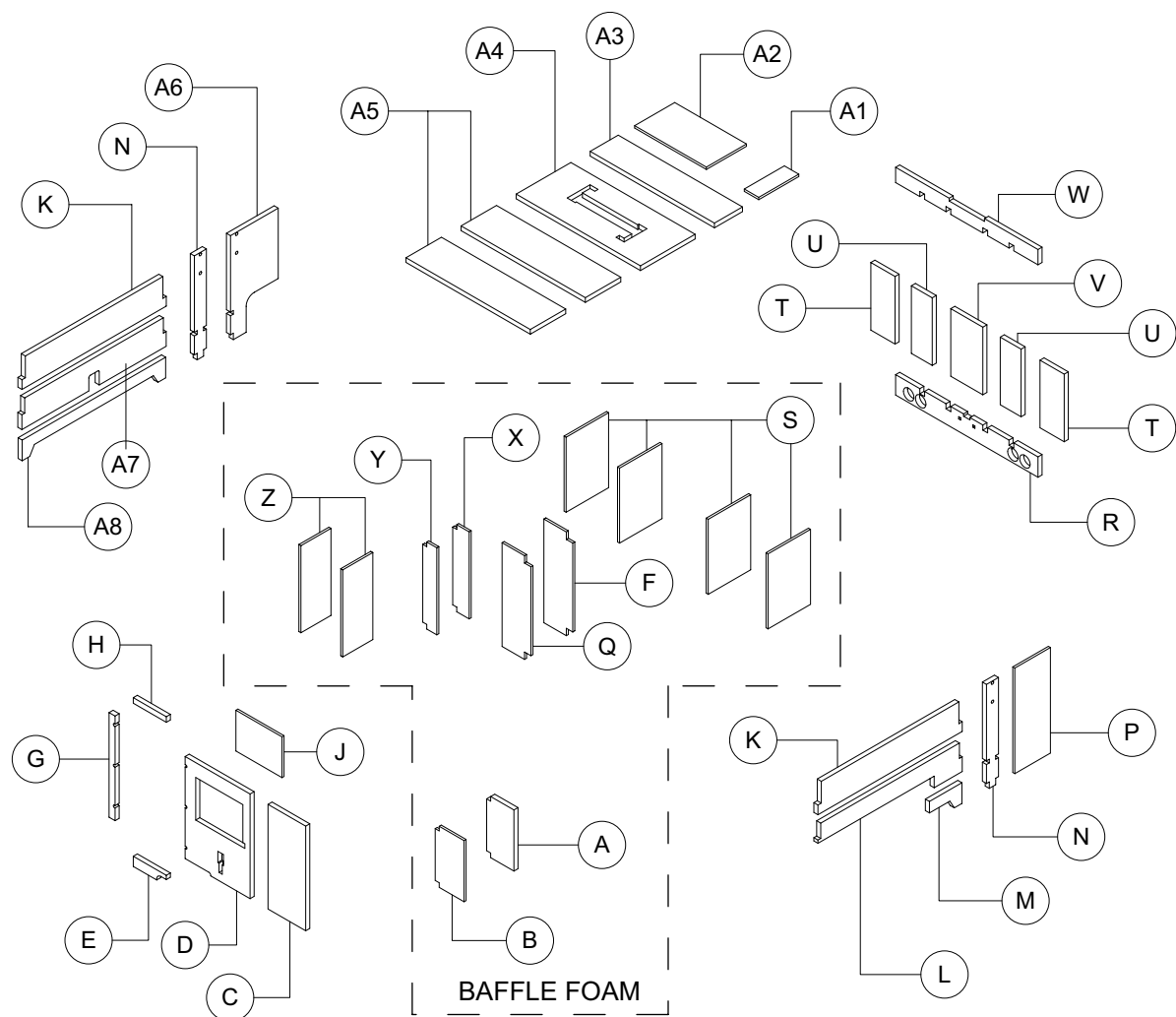
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	89288757	Latch, Door	1	
B	36920486	Rivet	4	
C	92922863	Holder, Door	1	
D	92922855	Holder, Door	1	
E	89287692	Hinge, Door	2	
F	36881886	Nut	8	
G	22185037	Door	1	
H	22207930	Bracket, End Panel Mounting	1	
J	35279025	Screw	-	
K	22649149	Panel, Rear End	1	
L	22657746	Foam	1	
M	22657720	Foam	2	
N	22265839	Foam	2	
P	22265847	Foam	1	
Q	22265854	Foam	1	
R	22657738	Foam	1	
S	22649172	Baffle, Exhaust	2	
T	22649180	Foam	4	
U	22649156	Plate, Baffle	2	
V	36797652	Screw	4	
W	22649164	Support	2	

Acoustic Foam



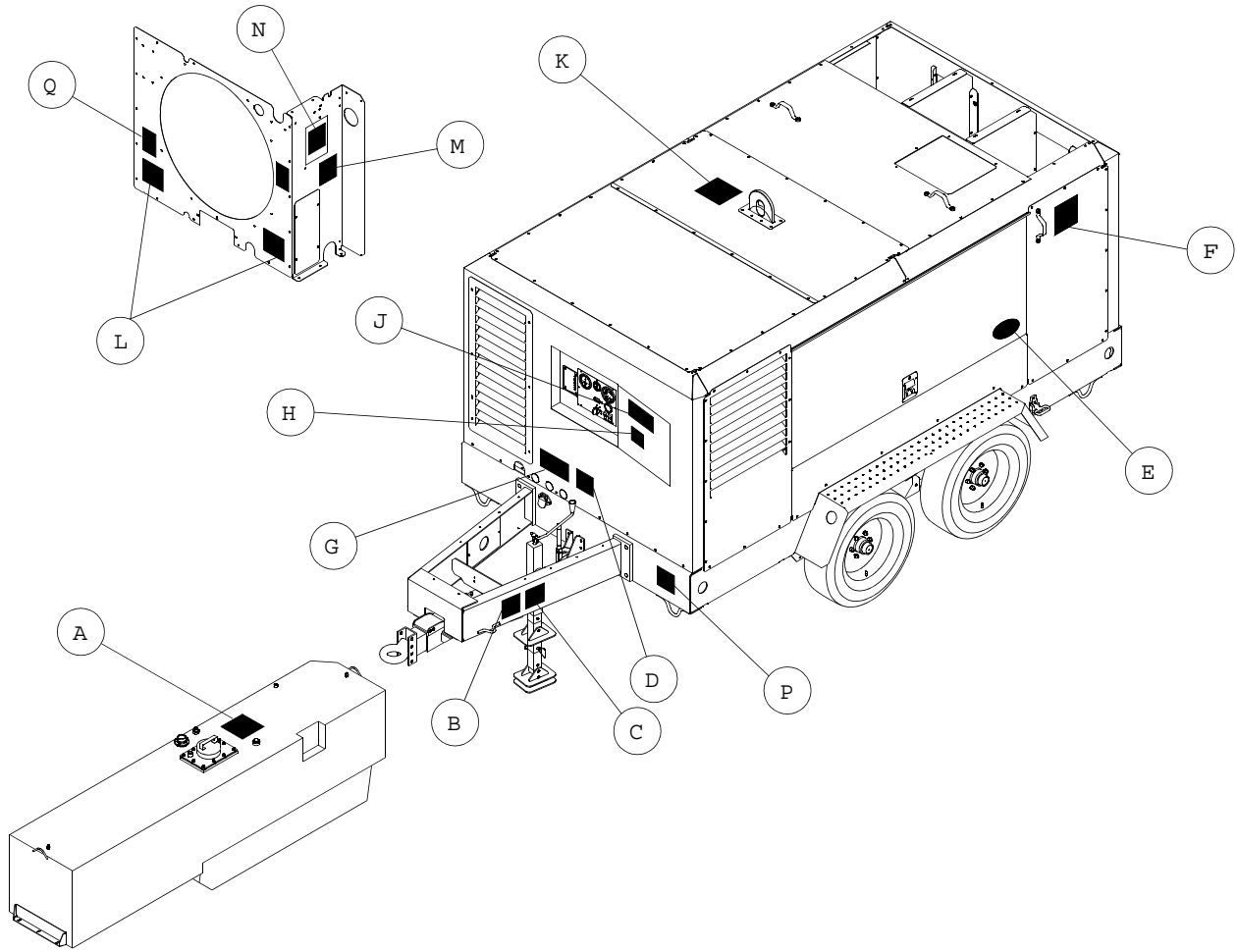
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22305544	Foam, Front	1	
B	22306062	Foam, Front	1	
C	22305536	Foam, Front	1	
D	22252274	Foam, Front	1	
E	22252282	Foam, Front	1	
F	22306112	Foam, Baffle	1	
G	22252308	Foam, Front	1	
H	22252290	Foam, Front	1	
J	22305569	Foam, Inst. Panel	1	
K	22252191	Foam, Door	2	
L	22255707	Foam, Left Door	1	
M	22252373	Foam, Left Side	1	
N	22305973	Foam, Left Side	1	
P	22252365	Fiberglass, Left Side	1	
Q	22306120	Foam, Baffle	1	
R	22252340	Foam, Rear	1	Continued.....

Acoustic Foam



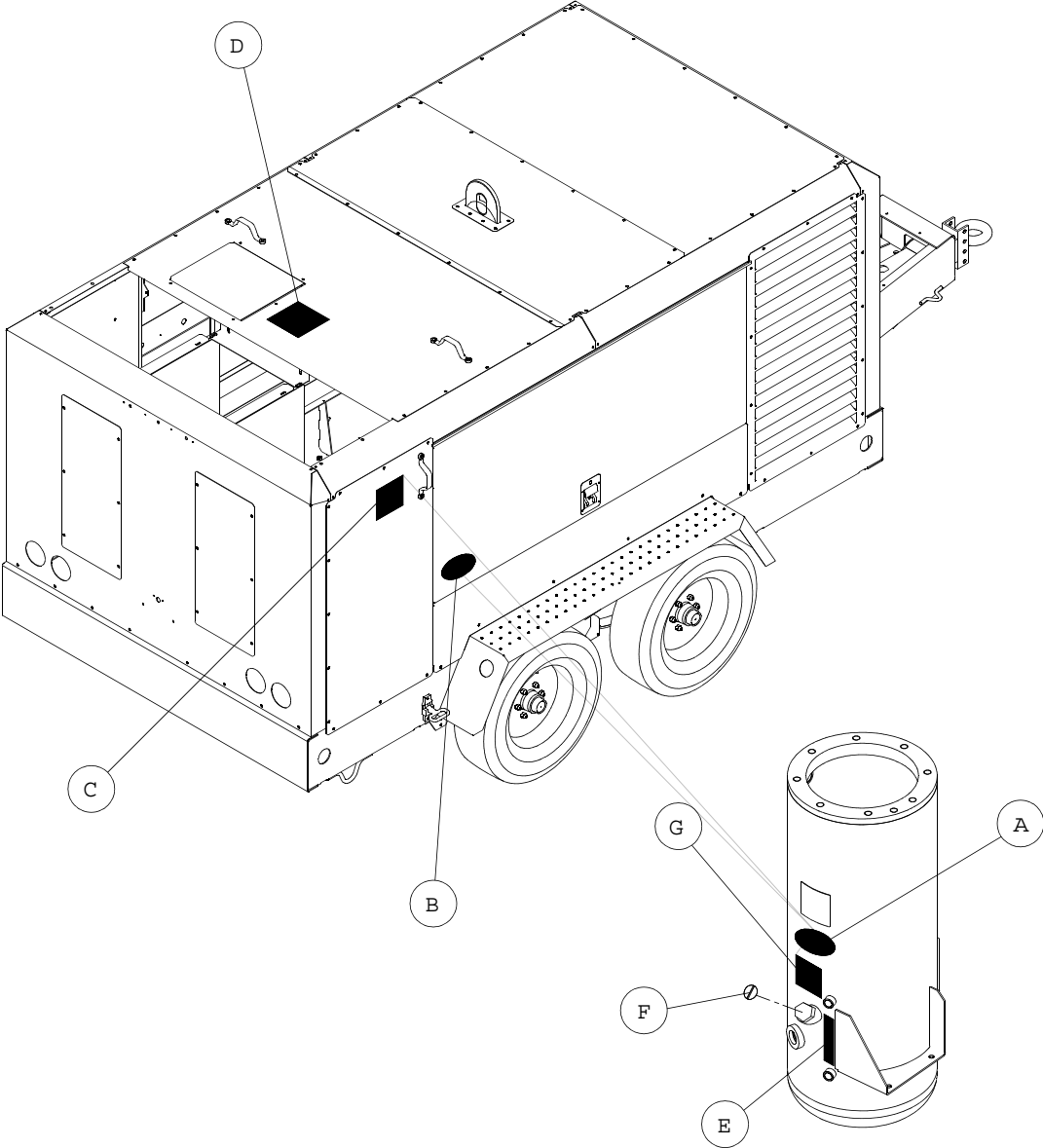
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S	22305551	Foam, Baffle	4	Continued
T	22252316	Foam, Rear	2	
U	22305528	Foam, Rear	2	
V	22252324	Foam, Rear	1	
W	22252357	Foam, Rear	1	
X	22306096	Foam, Baffle	1	
Y	22306104	Foam, Baffle	1	
Z	22306088	Foam, Baffle	2	
A1	22252225	Foam, Top	1	
A2	22252217	Foam, Top	1	
A3	22252241	Foam, Top	1	
A4	22252233	Foam, Top	1	
A5	22252258	Foam, Top	2	
A6	22252399	Foam, Right Side	1	
A7	22252209	Foam, Right Door	1	
A8	22252381	Foam, Right Side	1	

Decal Location



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54625207	Diesel Fuel Decal	1	
B	54604921	Towing Speed Decal	1	
C	54568803	Collapsing Jack Decal	1	
D	36514602	Noise Emission Decal	1	
E	54640024	Genuine Parts Decal	1	
F	22298343	Fall Off Unit Decal	1	
G	54629902	3 - Part Warning Decal	1	
H	54568787	Improper Operation Decal	1	
J	22056378	Operating Instructions Decal	1	
K	54699400	Lifting Point Decal	1	
L	54568779	Rotating Fan Decal	2	
M	36529691	Clean Coolers Decal (Both Sides)	2	
N	22334916	Hot Surface Decal	1	
P	36531176	Vin Decal	1	
	36533081	Overlay	1	
Q	54568753	Battery Gas Decal	1	

Decal Location

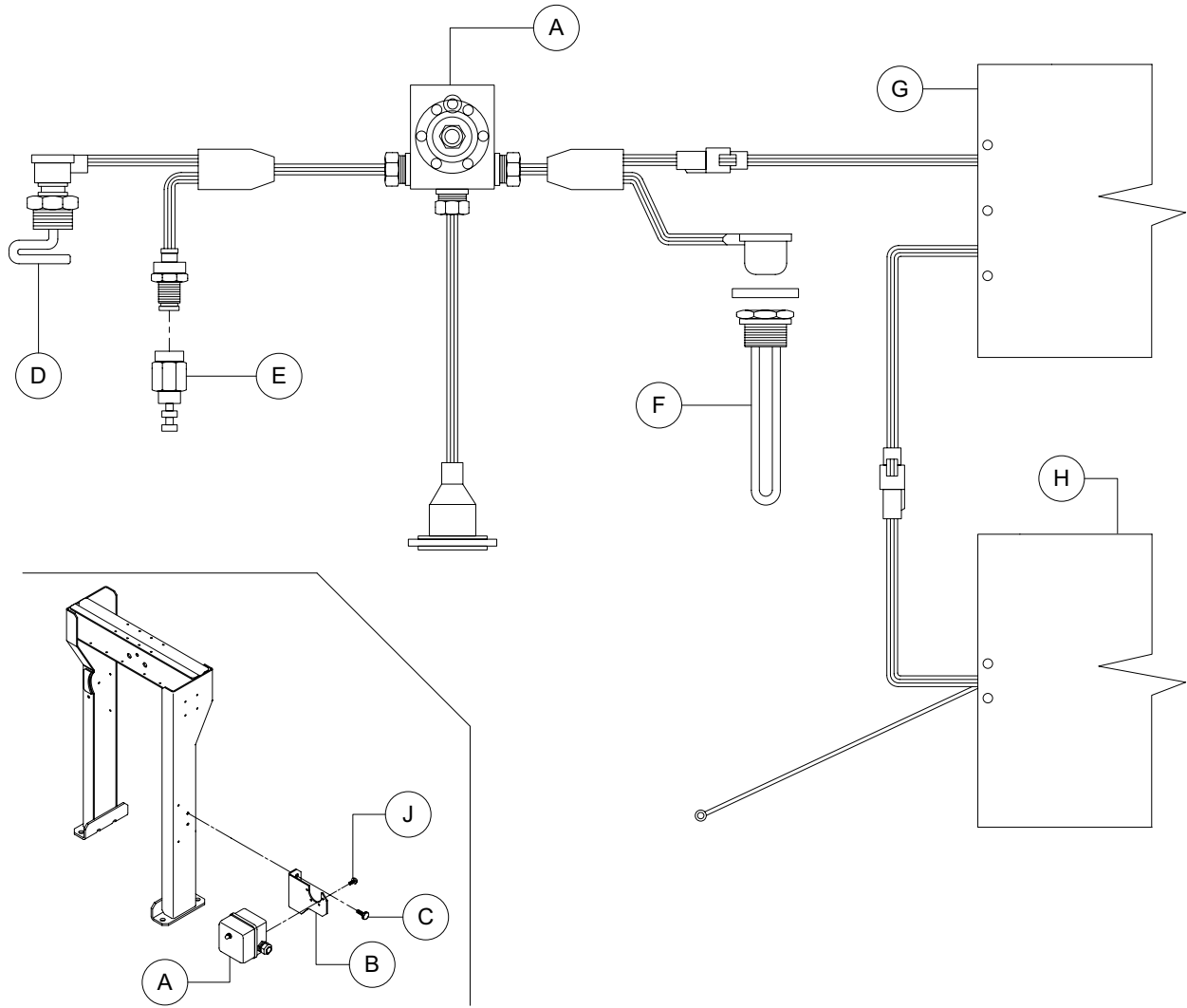


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54640164	Air End Warranty Decal	1	
B	54640024	Genuine Parts Decal	1	
C	22298343	Fall Off Unit Decal	1	
D	54568761	Hot Pressurized Fluid Decal	1	
E	22383319	Oil Level Decal	1	
F	54604970	Oil Fill Plug Decal	1	
G	54568795	High Pressure Air Decal	1	

OPTIONS

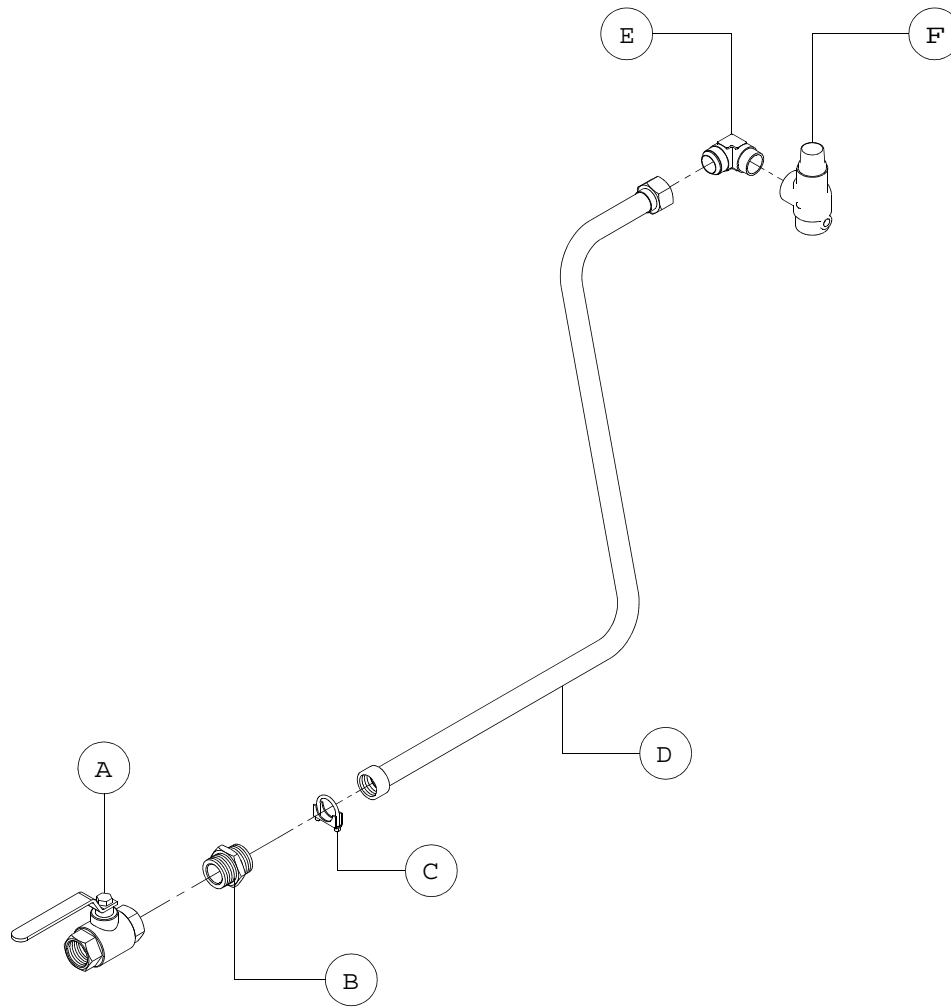
		Options		
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Cold Start Kit



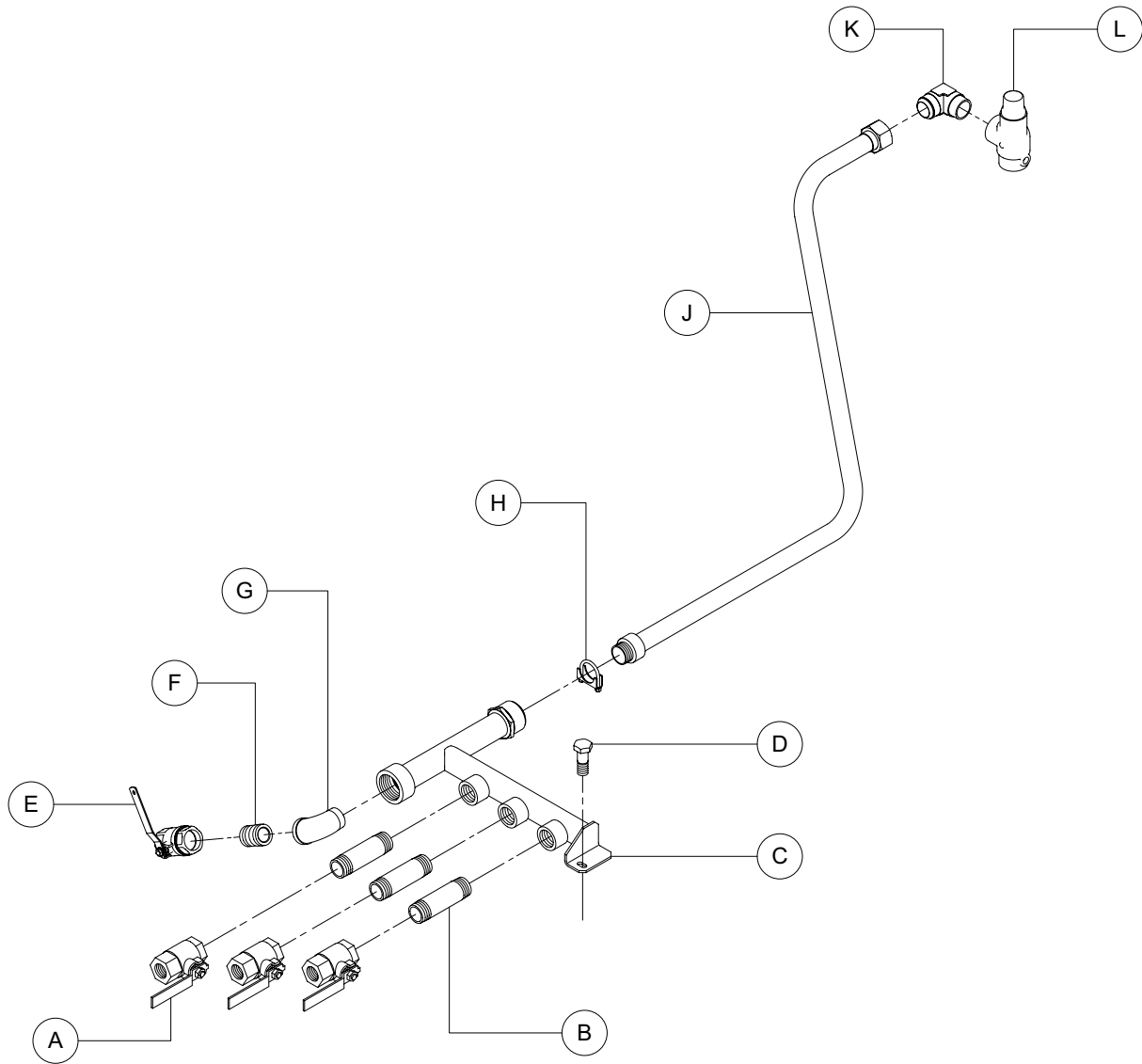
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22298541	Pressure Switch and Harness	1	M8 - 1.25 X 20
B	22360242	Bracket	1	
C	35279025	Screw	2	
D	22298558	Heater, Engine Block	1	
E	22298566	Plug, Thermostat	1	
F	36874675	Heater, Oil Pan	1	
G	36920338	Heater, Battery	1	
H	36920346	Heater, Battery	1	
	22298533	Cold Start Assembly (Includes Items A, D, E, F, G and H.)	1	
J	95942553	Screw	4	

Service Piping (One 2" BSP Valve)



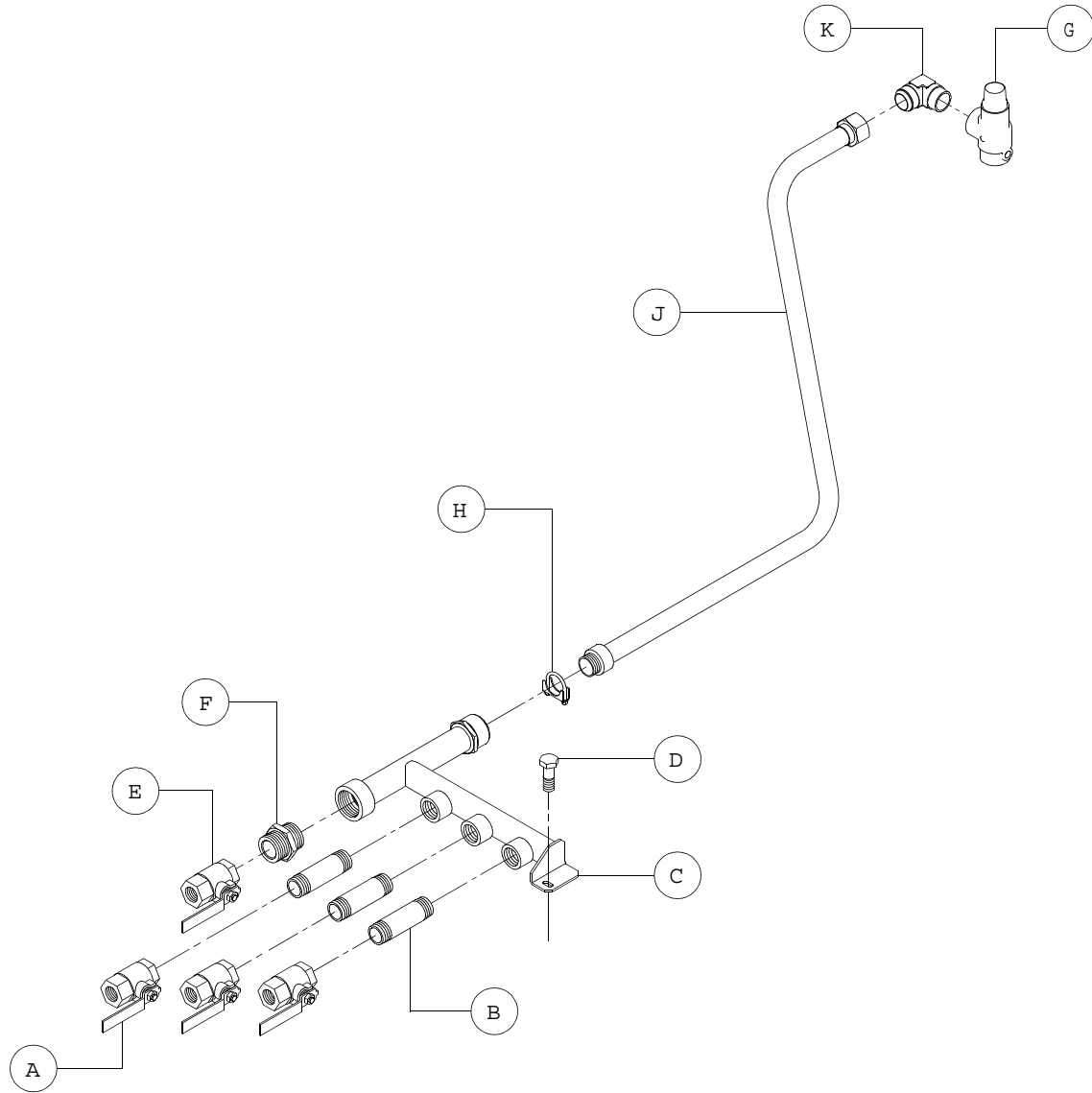
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	92530047	Valve, Ball	1	90°
B	22208334	Adaptor	1	
C	35192178	Clamp, Saddle	1	
D	22223846	Pipe, Service	1	
E	36786127	Elbow	1	
F	22217848	Valve, Minimum Pressure	1	

Service Manifold Piping (NPT)



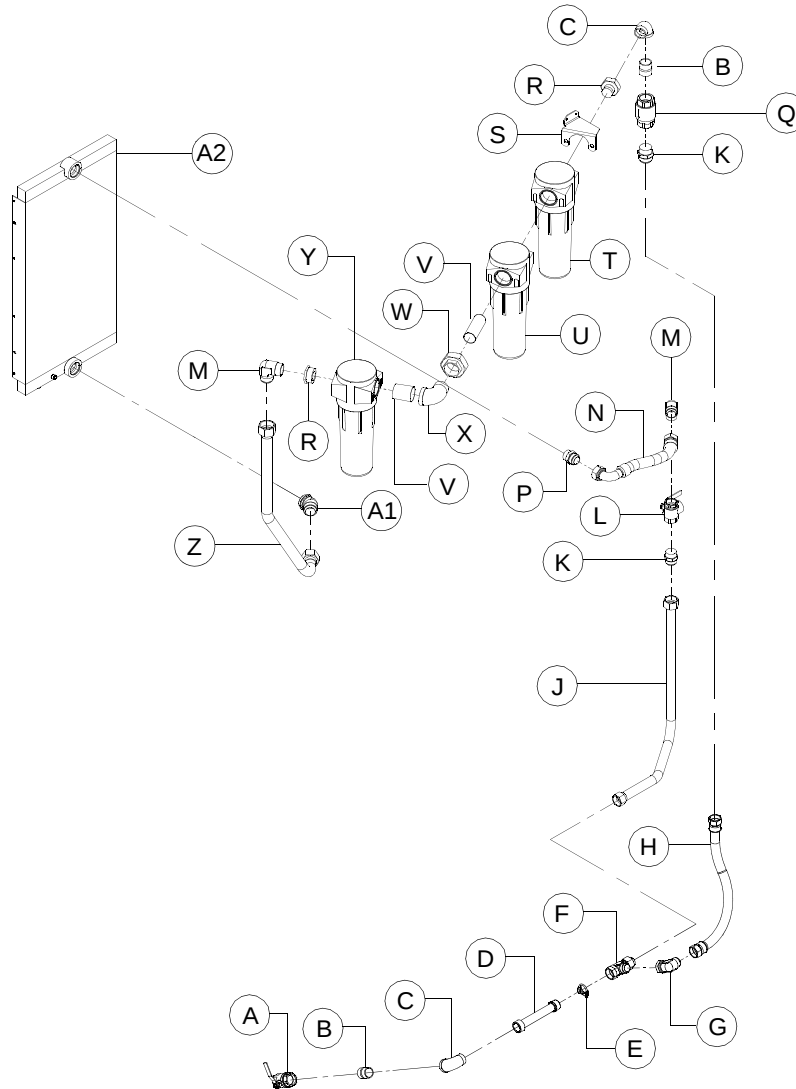
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35612126	Valve, Ball	3	M8 - 1.25 X 20
B	95953519	Nipple	3	
C	22224232	Manifold, Service Air	1	
D	35279025	Screw	1	
E	35602473	Valve, Ball	1	90°
F	95097291	Nipple	1	
G	95944674	Elbow	1	
H	35192178	Clamp, Saddle	1	90°
J	22354815	Pipe, Service	1	
K	36786127	Elbow	1	
L	22217848	Valve, Minimum Pressure	1	

Service Manifold Piping (Metric)



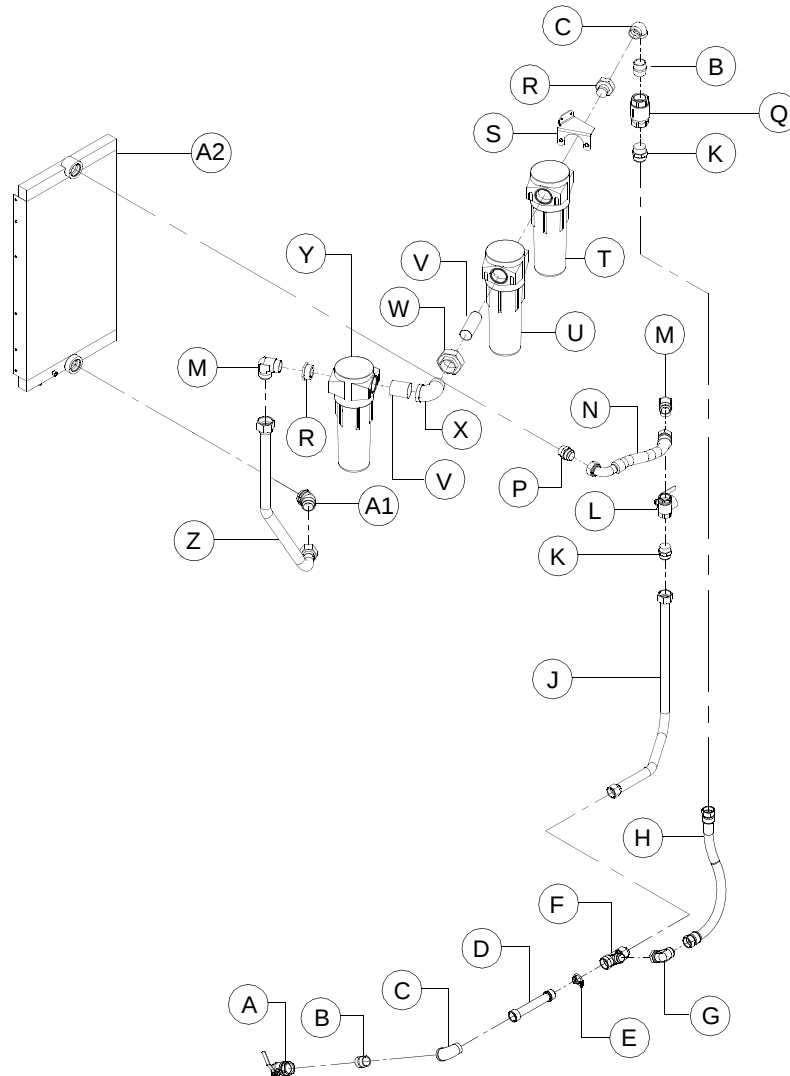
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	92111228	Valve, Ball	3	M8 - 1.25 X 20
B	92076454	Nipple	3	
C	22224232	Manifold, Service Air	1	
D	35279025	Screw	1	
E	92530047	Valve, Ball	1	90°
F	22208334	Adaptor	1	
G	22217848	Valve, Minimum Pressure	1	
H	35192178	Clamp, Saddle	1	
J	22354815	Pipe, Service	1	
K	36786127	Elbow	1	

IQ Piping and Cooler



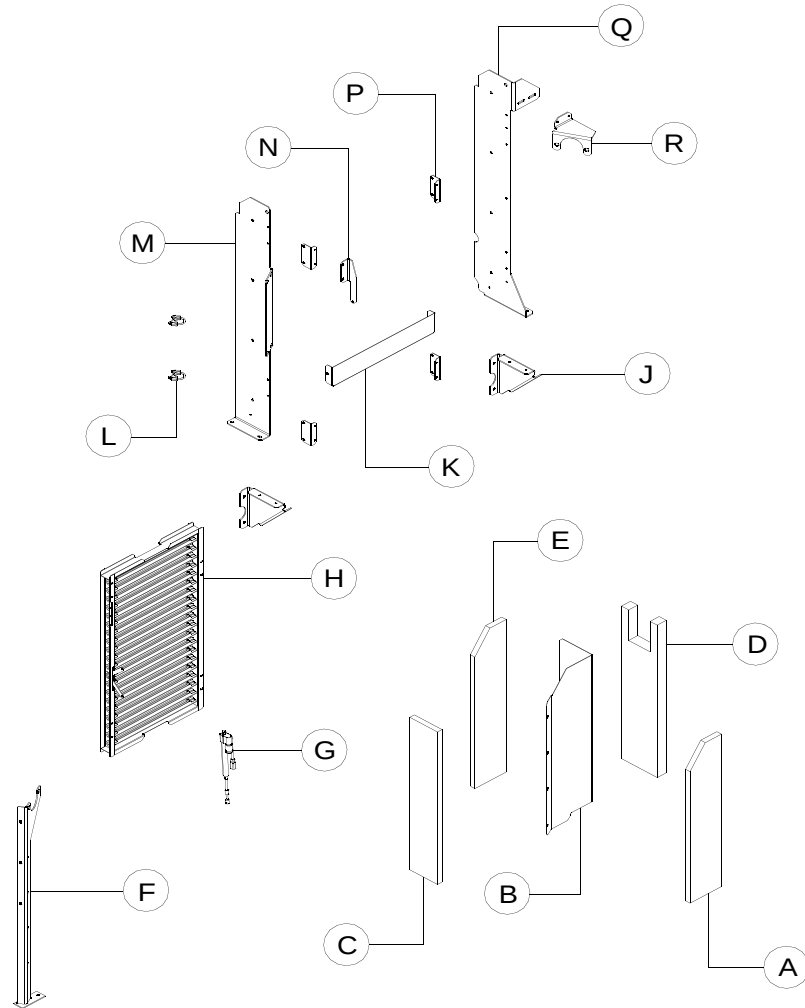
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35602473	Valve, Ball	1	Continued.....
B	95953790	Nipple	2	
C	95944674	Elbow	2	
D	22223879	Pipe, Service	1	
E	35192178	Clamp	1	
F	95976965	Tee	1	
G	95928313	Elbow	1	
H	54718754	Hose Assembly	1	
J	22223853	Tube Assembly	1	
K	35335124	Connector	2	
L	36922987	Valve, 3-way	1	
M	36786127	Elbow	2	
N	22410211	Hose Assembly	1	
P	35356500	Connector	1	

IQ Piping and Cooler



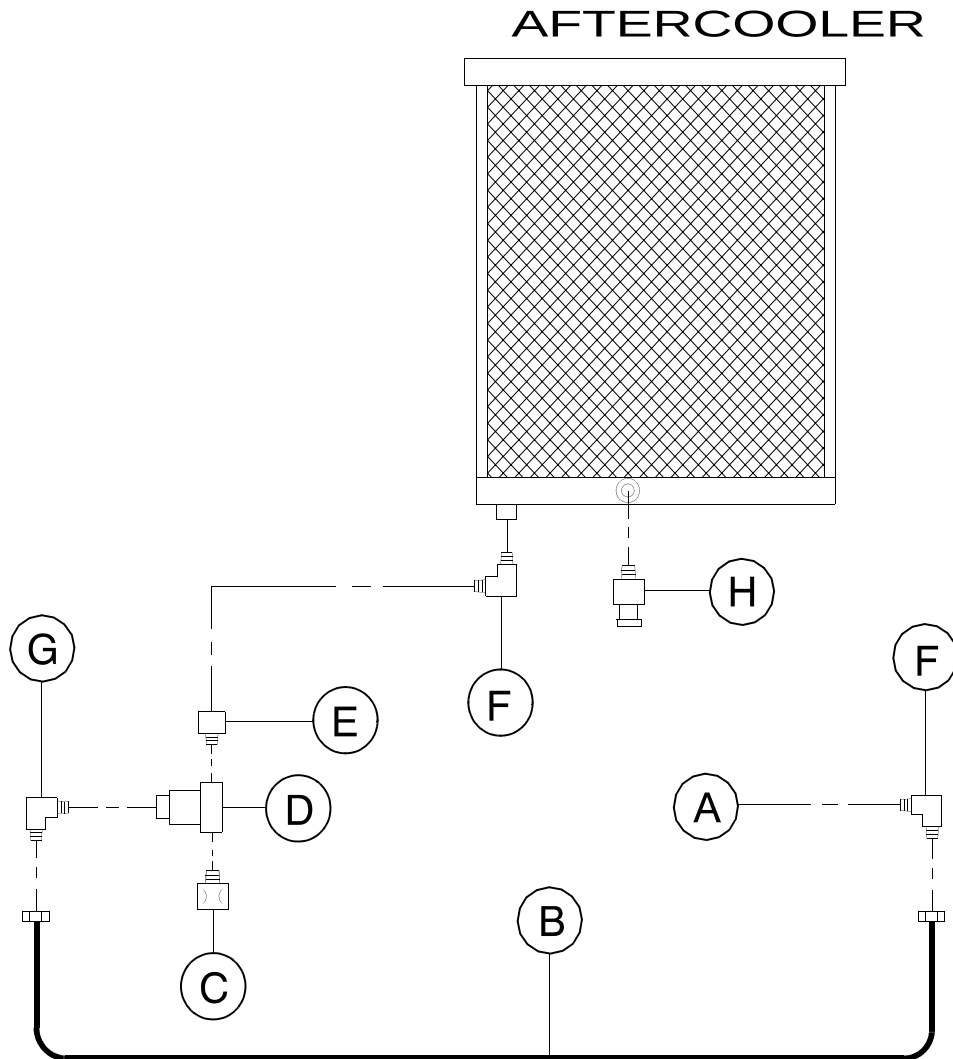
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
Q	36920221	Valve, Check	1	Continued
R	95953907	Bushing	2	
S	22395446	Bracket, Filter	1	
T	22231997	Filter, Secondary	1	
	22108823	Element	1	
	54739024	Filter, Coupling Kit	1	
U	22231989	Filter, Primary	1	
	22108815	Element	1	
V	95954863	Nipple	2	
W	95954848	Union	1	
X	95414454	Elbow	1	
Y	22231971	Separator, Water	1	
Z	22223861	Tube Assembly	1	
A1	95944732	Elbow	1	
A2	22222442	Aftercooler	1	

IQ Piping and Cooler



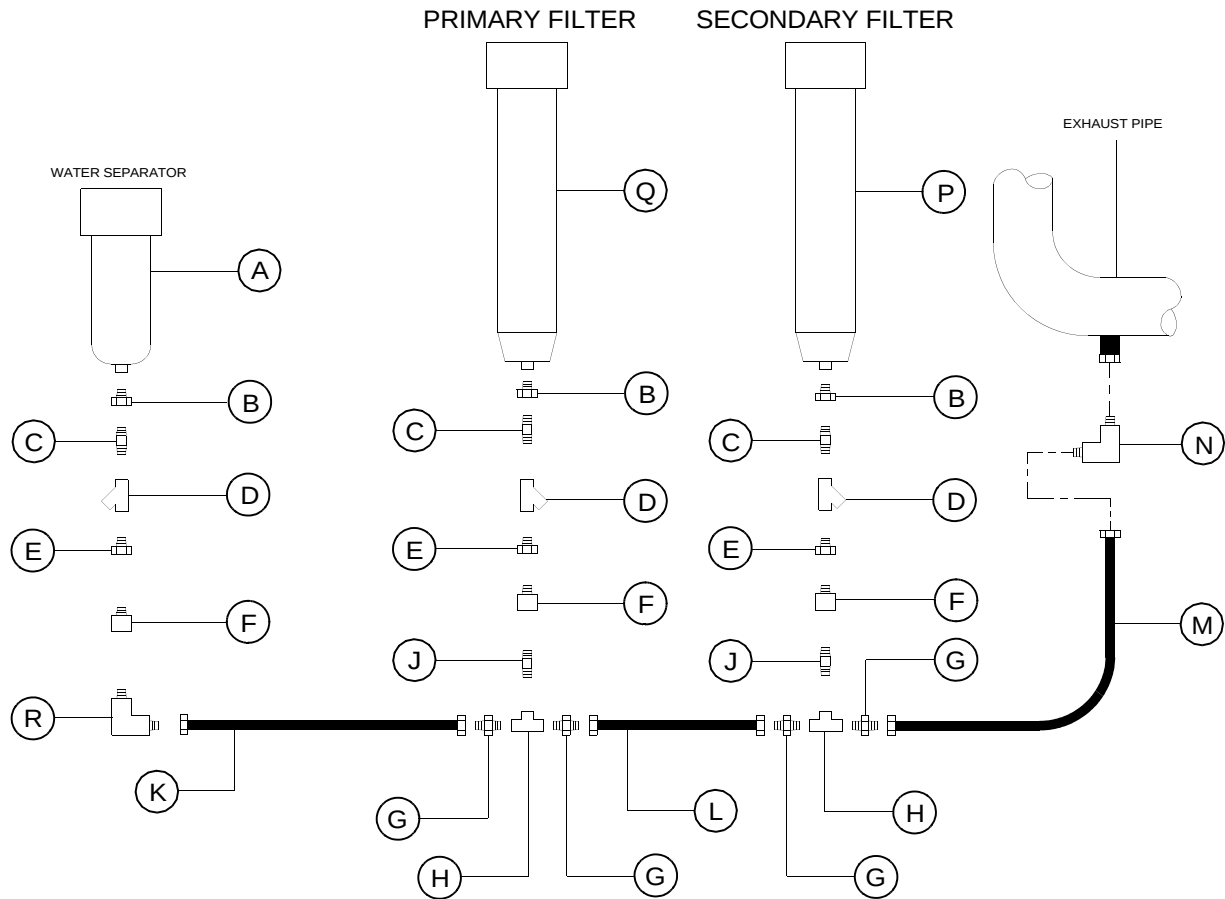
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22508303	Foam	1	
B	22508295	Baffle	1	
C	22508337	Foam	1	
D	22508329	Foam	1	
E	22508311	Foam	1	
F	22393292	Support, Filter	1	
G	36898310	Actuator, Louver	1	
H	22402523	Louver	1	
J	22395420	Bracket, Support	2	
K	22395321	Bracket, Air Restraint	1	
L	35192178	Clamp	2	
M	22390421	Support, Cooler	1	
N	22402853	Support, Actuator	1	
P	22402846	Bracket, Mounting	4	
Q	22390439	Support, Cooler	1	
R	22395446	Support, Filter	1	

IQ Piping and Cooler



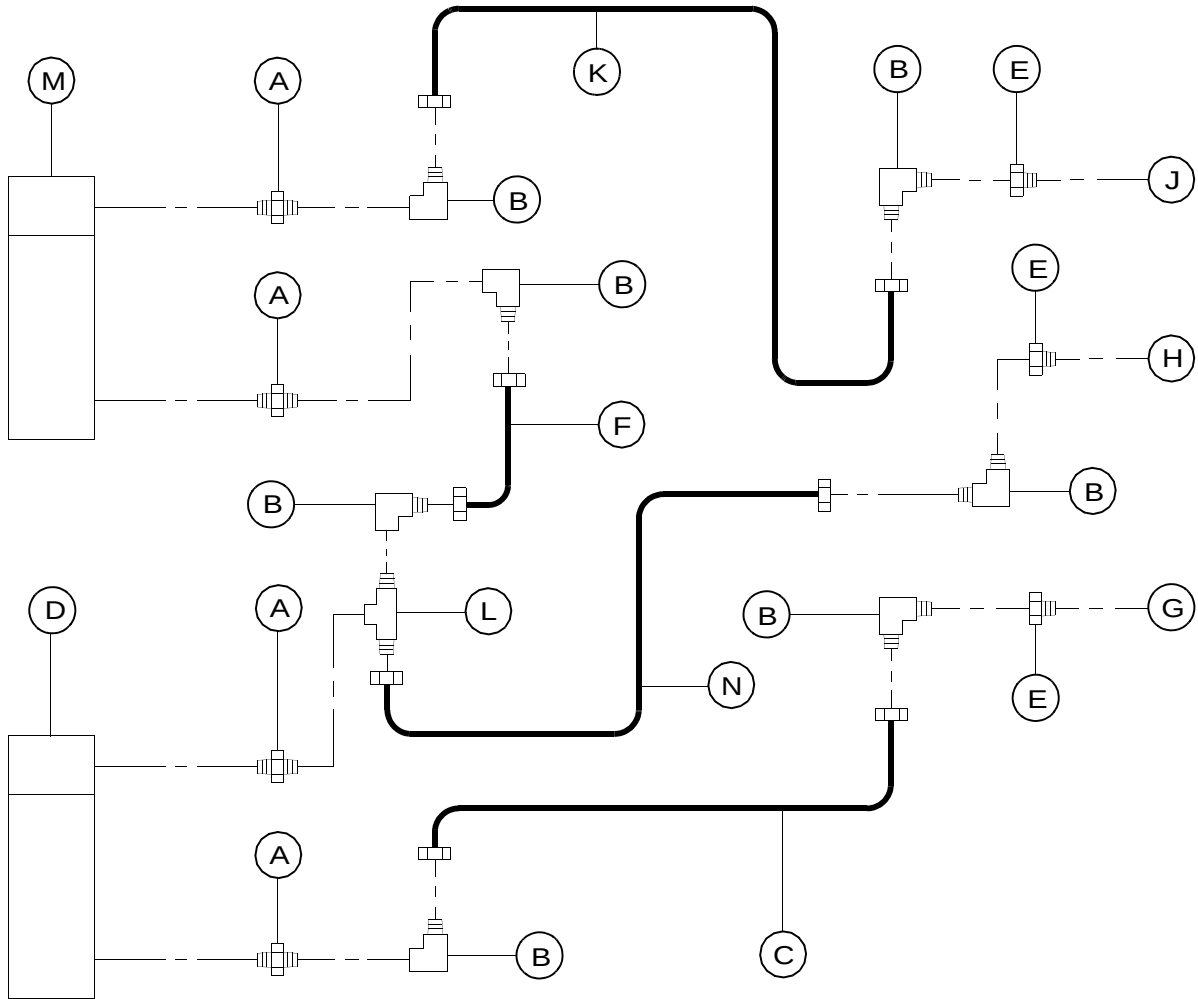
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	-----	To Top of Air End		
B	35284538	Hose Assembly	1	
C	35248319	Orifice, .094"	1	
D	35322379	Valve, Blowdown	1	
	35379064	Kit, Diaphragm	1	
E	35367846	Connector	2	
F	35279827	Elbow	1	
G	35279934	Elbow	1	
H	36898922	Sensor, Temperature	1	

IQ Drain Piping



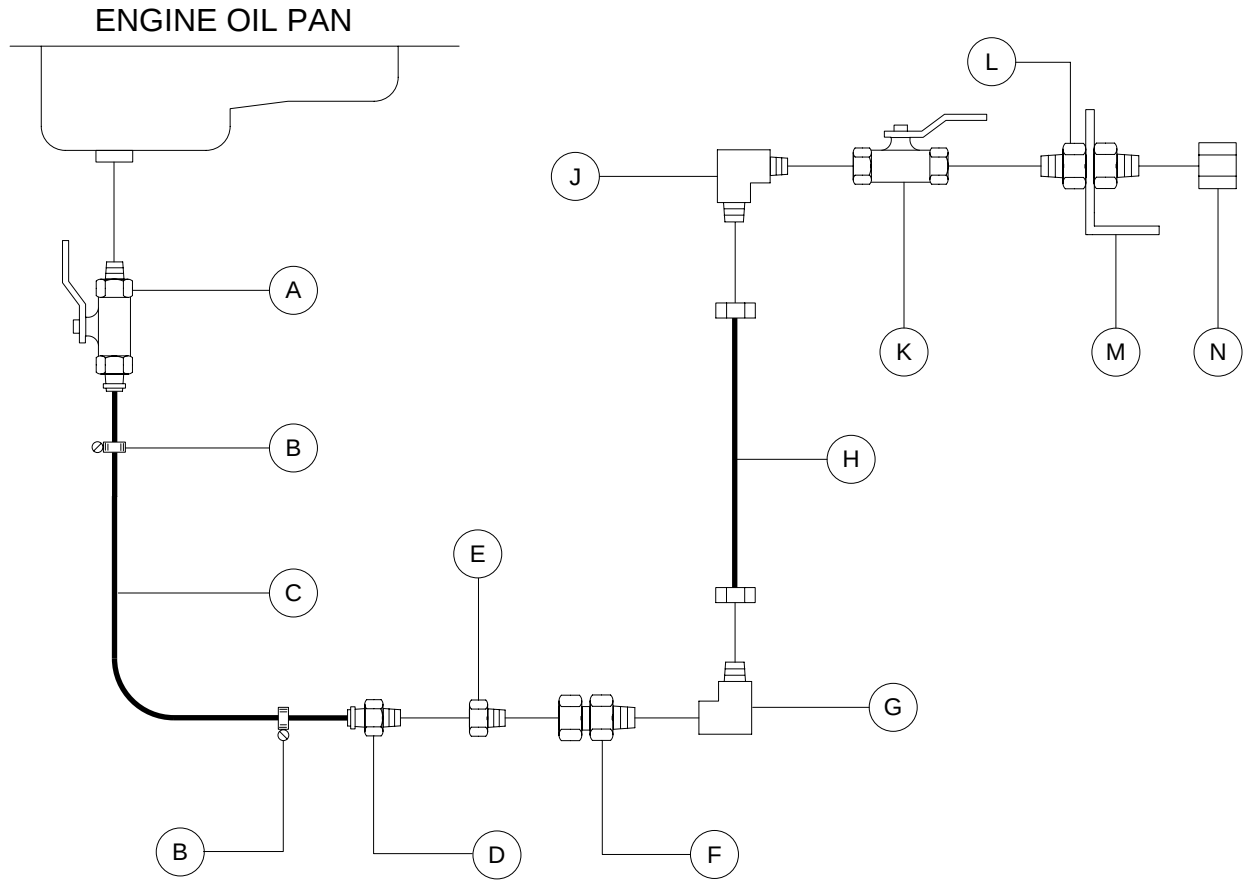
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22231971	Separator, Water	1	
B	95245353	Adapter	3	
C	95772562	Nipple	3	
D	36844579	Y-strainer	3	
E	95940748	Bushing	3	
F	37081528	Orifice	3	
G	35284082	Connector	4	
H	36882223	Tee	2	
J	95452025	Nipple	2	
K	35283282	Hose Assembly	1	
L	35282946	Hose Assembly	1	
M	35284546	Hose Assembly	1	
N	35279934	Elbow	1	
P	22231997	Filter, Secondary	1	
Q	22231989	Filter, Primary	1	
R	35279934	Elbow	1	

IQ Indicator Piping



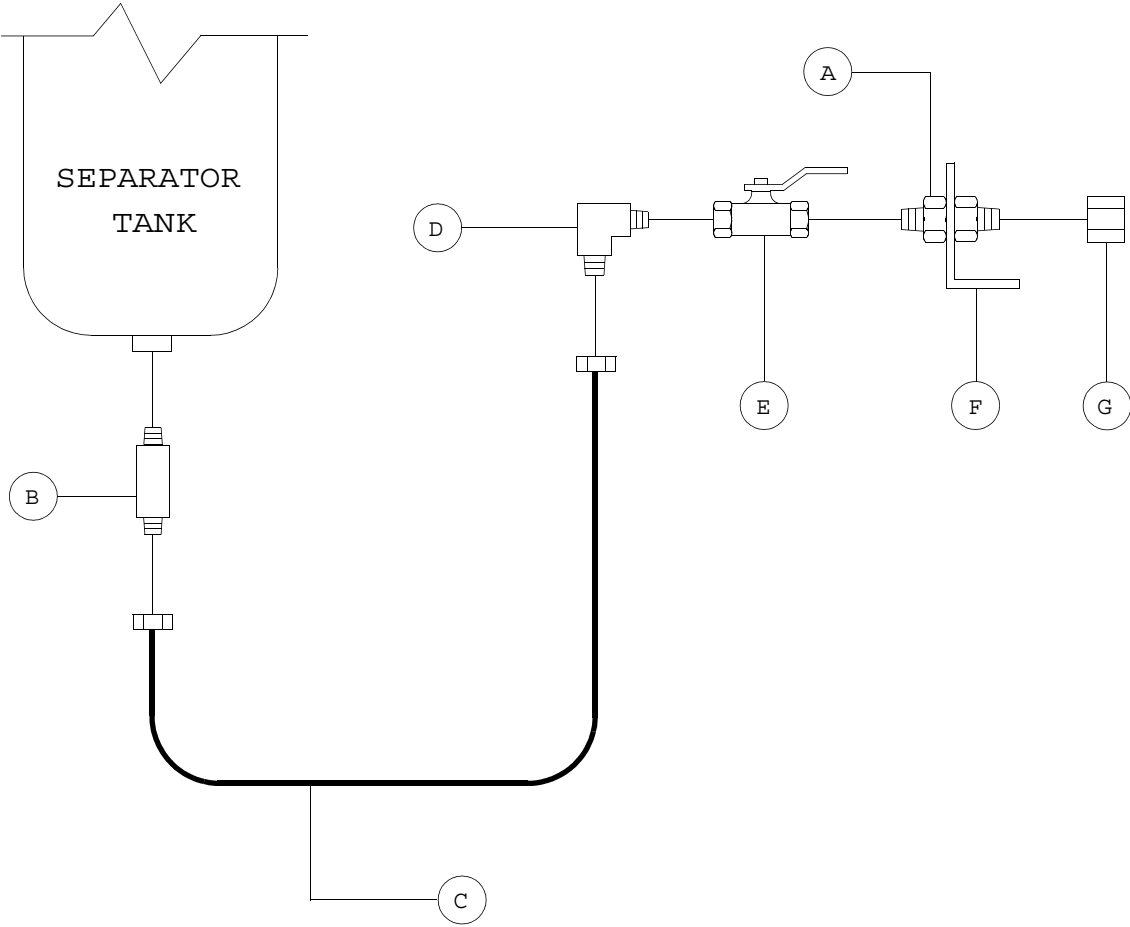
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36898401	Connector	4	
B	35290352	Elbow	7	
C	35322494	Hose Assembly	1	
D	36899599	Indicator, 20 psi	1	
E	22583983	Connector	3	
F	35310960	Hose Assembly	1	
G	-----	To Outlet Test Port on Top of Secondary Filter		
H	-----	To Inlet Test Port on Top of Secondary Filter		
J	-----	To Inlet Test Port on Top of Primary Filter		
K	35283480	Hose Assembly	1	
L	35323591	Tee	1	
M	36899615	Indicator, 25 psi	1	
N	35322494	Hose Assembly	1	

Engine Oil Drain Piping



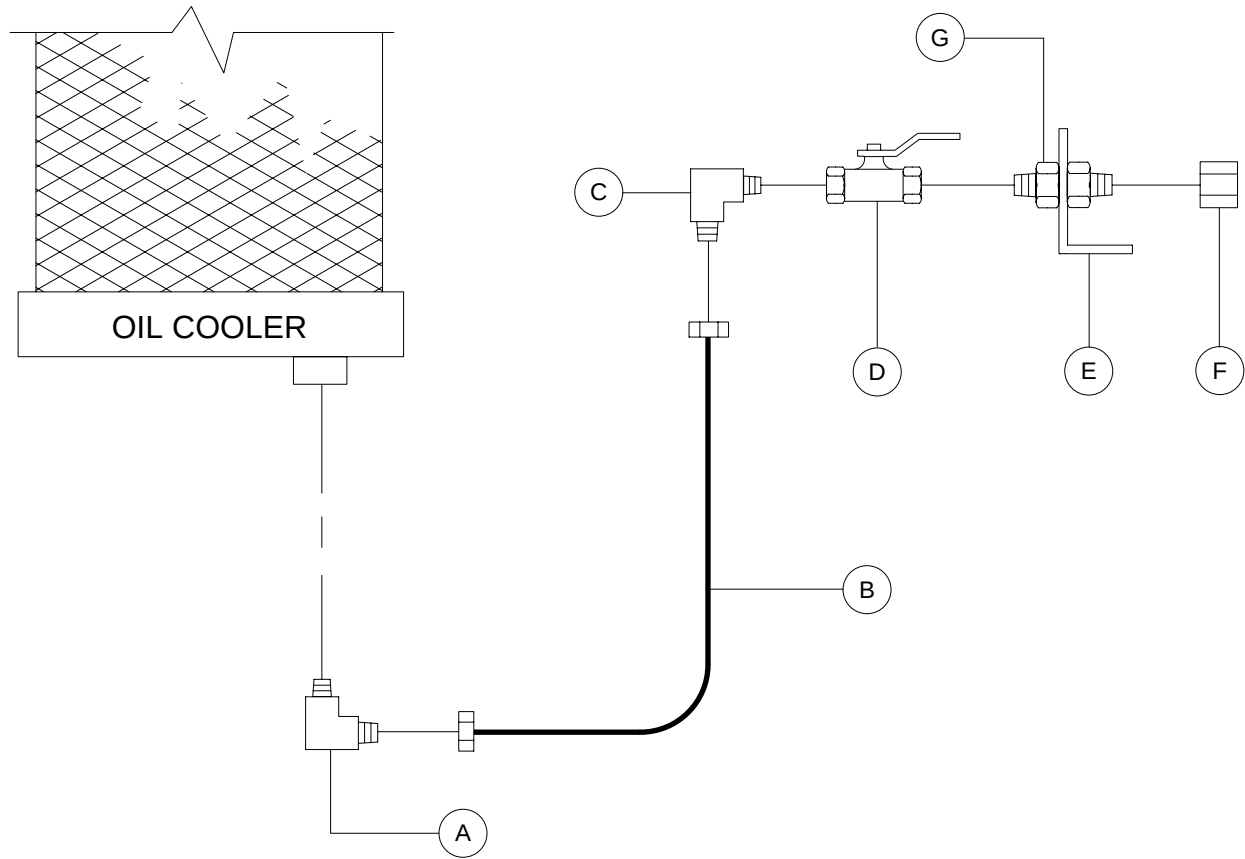
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22363584	Valve, Ball	1	22" 90°
B	95220844	Clamp, Hose	2	
C	35326578	Hose	1	
D	35326560	Adapter	1	
E	95953949	Bushing	1	
F	35287747	Fitting, Bulkhead	1	
G	35301506	Elbow	1	
H	35376110	Hose Assembly	1	
J	35294735	Elbow	1	
K	36777399	Valve, Ball	1	
L	35321173	Fitting, Bulkhead	1	
M	22138515	Bracket, Central Drains	1	
N	35608694	Cap	1	

Separator Tank Drain



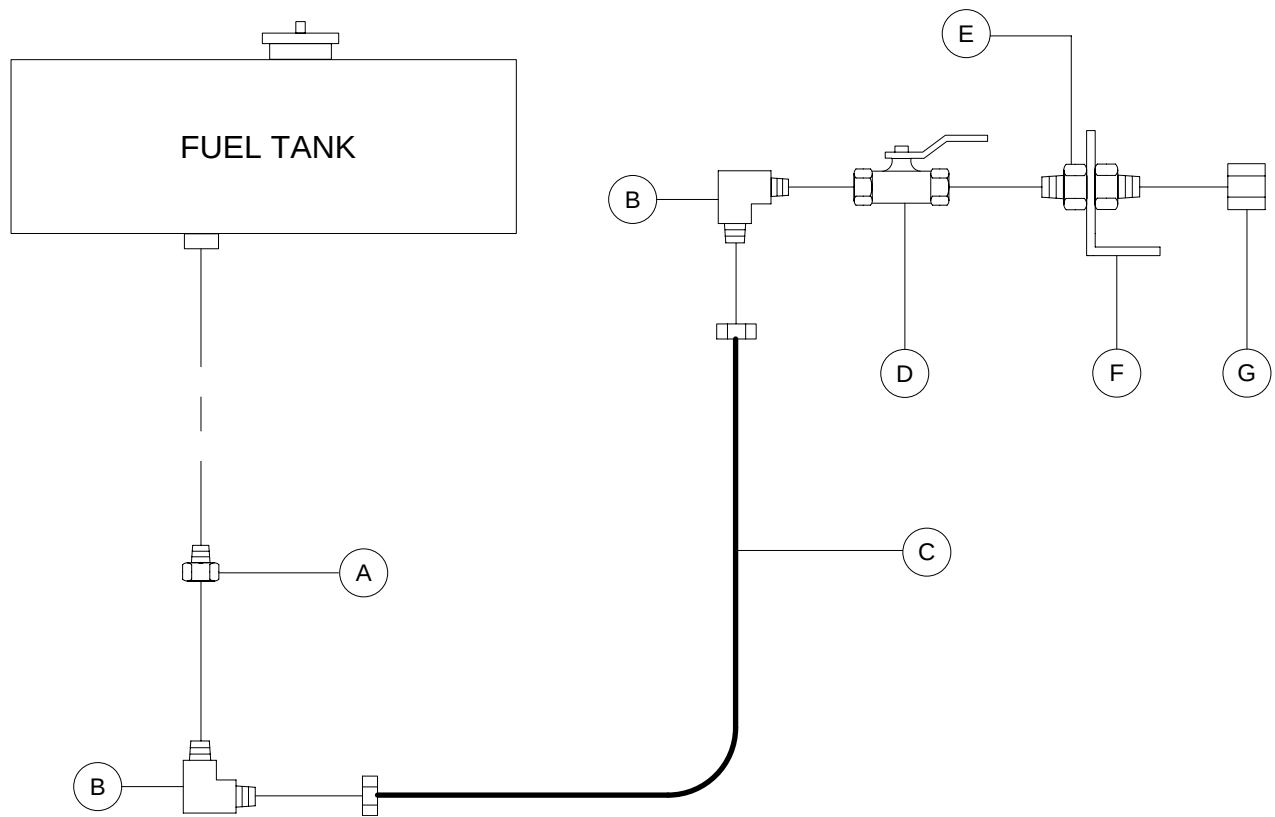
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35321173	Fitting, Bulkhead	1	
B	35295880	Connector	1	
C	36881936	Hose Assembly	1	
D	35294735	Elbow	1	
E	36777399	Valve, Ball	1	
F	22138515	Bracket, Central Drains	1	
G	35608694	Cap	1	

Oil Cooler Drain



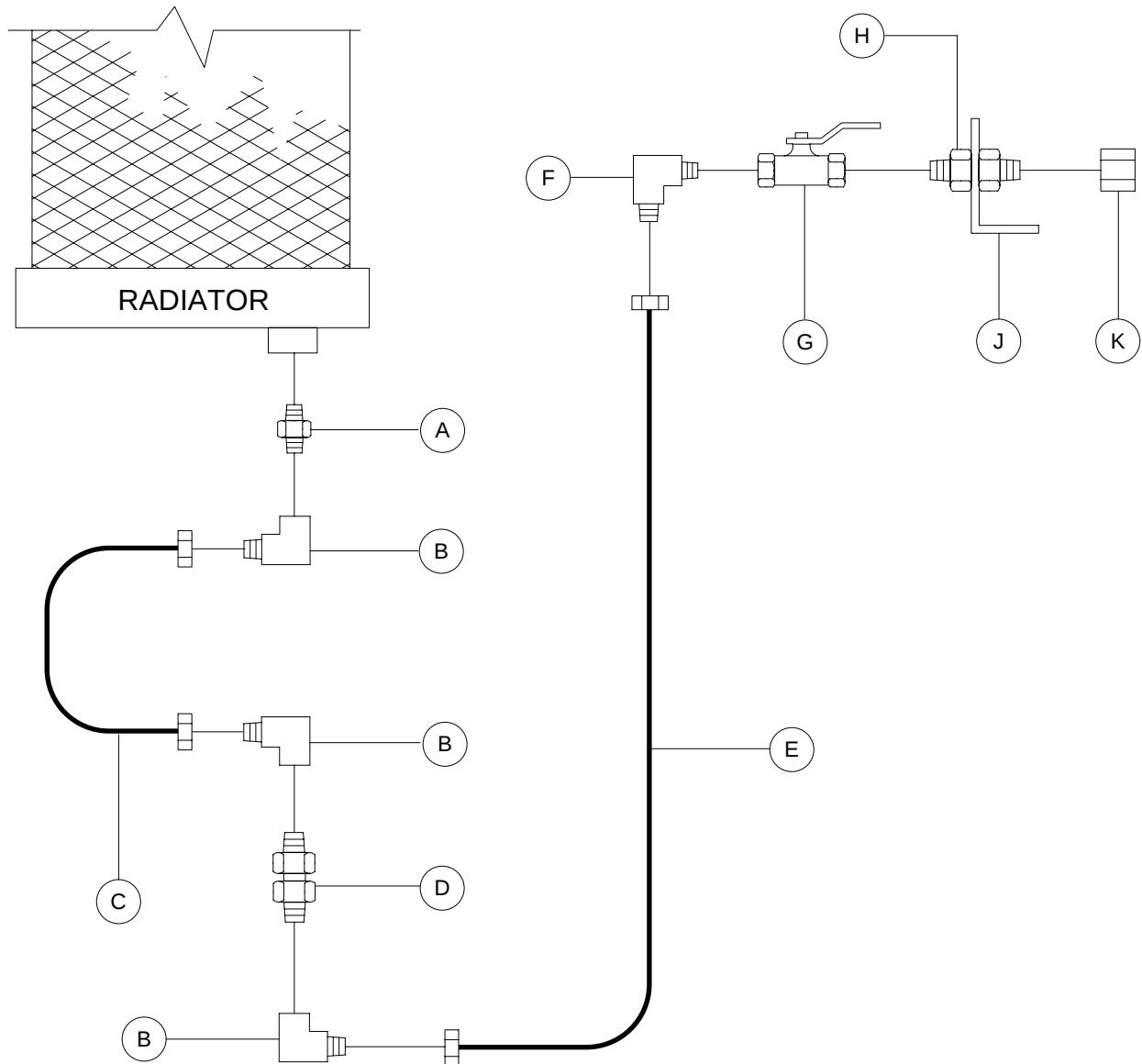
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35287937	Elbow	1	90°
B	35283506	Hose Assembly	1	
C	35287044	Elbow	1	90°
D	36777399	Valve, Ball	1	
E	22138515	Bracket, Central Drains	1	
F	35608694	Cap	1	
G	35321173	Fitting, Bulkhead	1	

Fuel Tank Drain



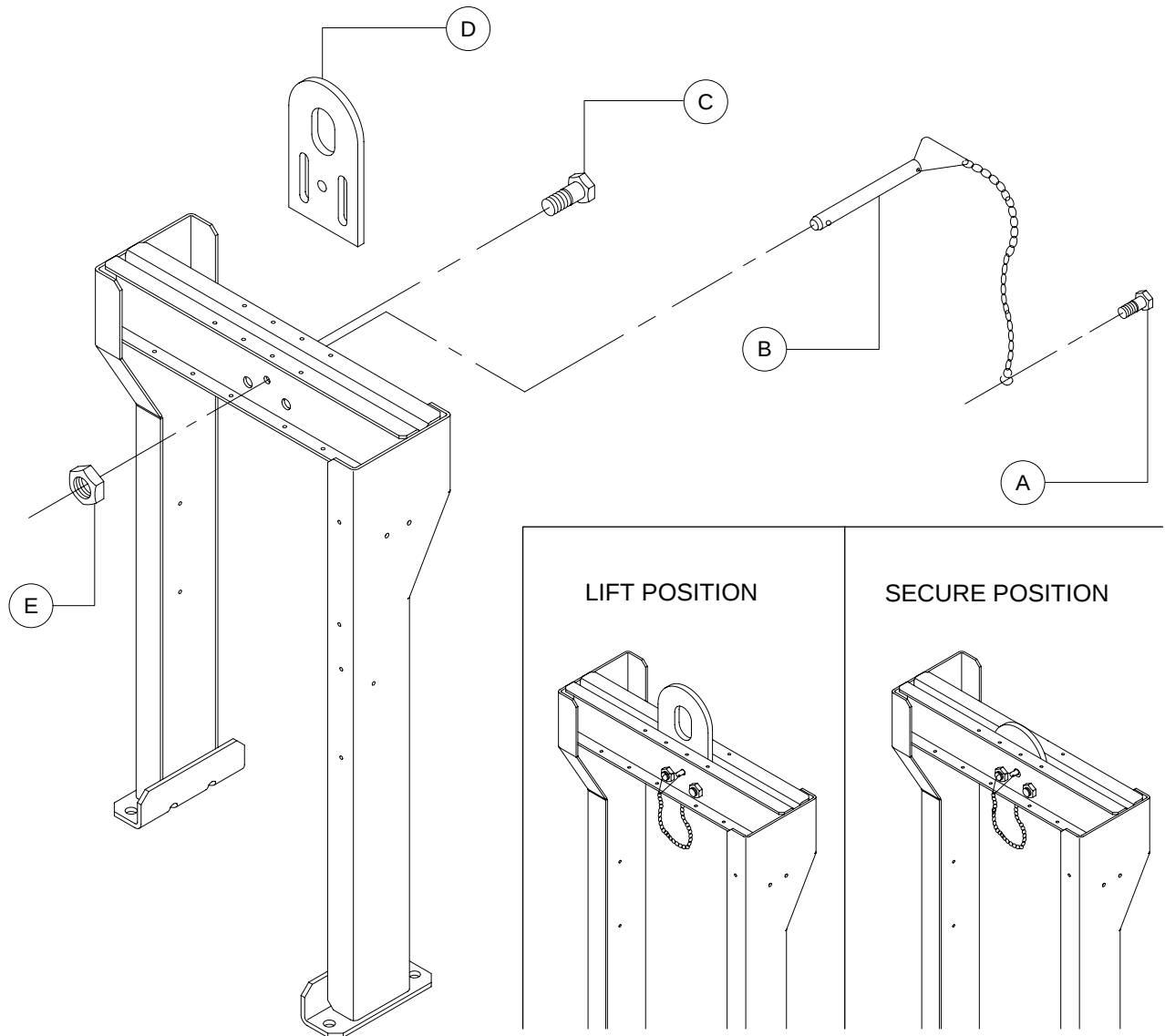
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95947487	Bushing	1	
B	35294735	Elbow	2	
C	35323682	Hose Assembly	1	
D	36777399	Valve, Ball	1	
E	35321173	Fitting, Bulkhead	1	
F	22138515	Bracket, Central Drains	1	
G	35608694	Cap	1	

Radiator Drain



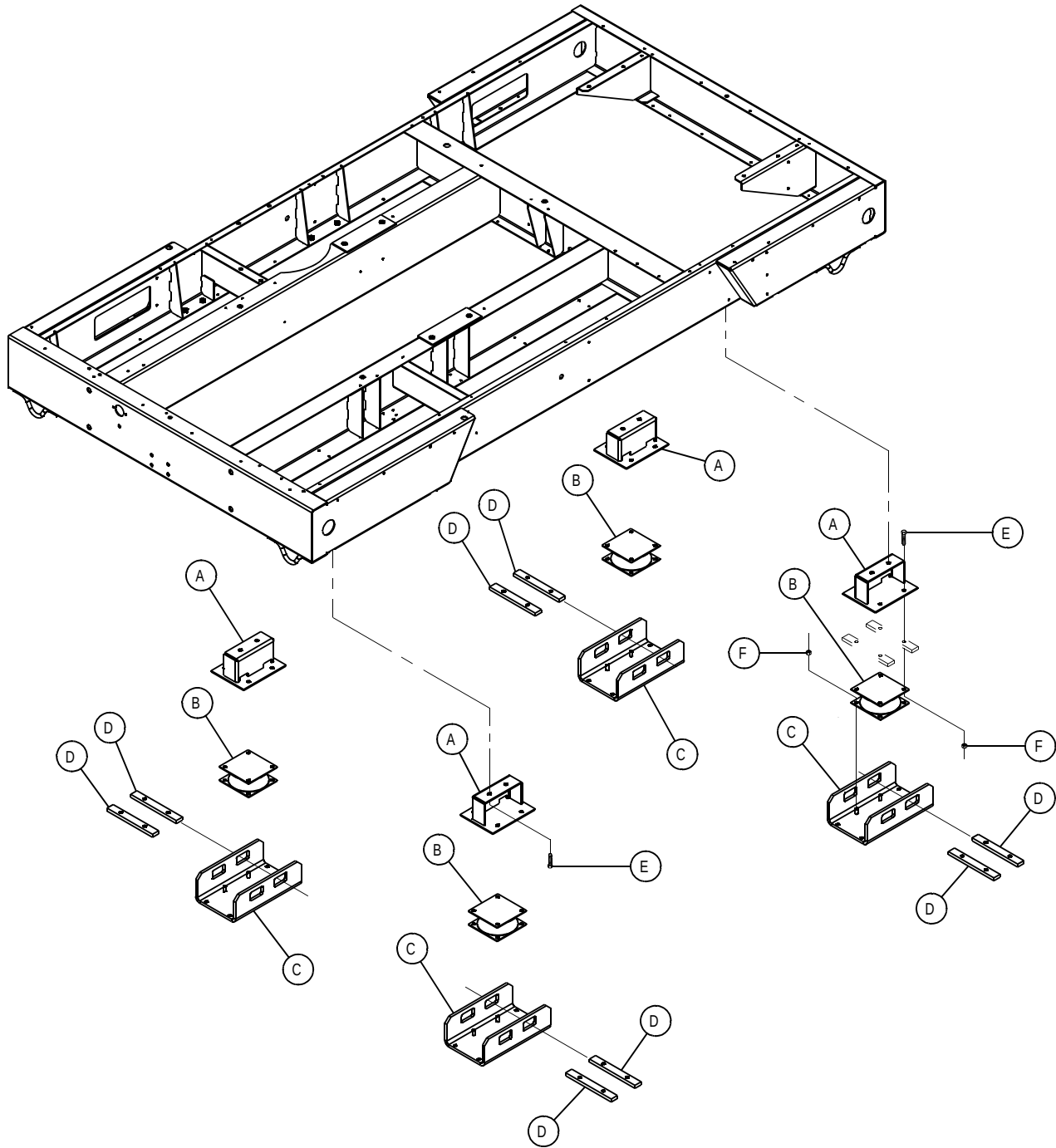
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35283134	Connector	1	90°
B	35287911	Elbow	3	
C	35252782	Hose Assembly	1	
D	35285451	Fitting, Bulkhead	1	90°
E	35307719	Hose Assembly	1	
F	35287044	Elbow	1	
G	36777399	Valve, Ball	1	
H	35321173	Fitting, Bulkhead	1	
J	22138515	Bracket, Central Drains	1	
K	35608694	Cap	1	

Securable Lift Eye



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279025	Screw	1	M8 - 1.25 X 20
B	36848224	Pin	1	
C	36763670	Screw	2	M20 - 2.50 X 60
D	22183685	Eye, Secure Lift	1	
E	35356526	Nut	2	

Less Running Gear



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22329759	Support, LRG Upper	4	
B	36754893	MountT, Sandwich	4	
C	36898369	Support, Lower Mounting	4	
D	36898351	Bar, Restriction	8	
E	36877793	Screw, Hex Flange M12-1.75 X 40	24	
F	36879203	Nut, Hex Flange M12-1.75	32	

Electrical Parts List

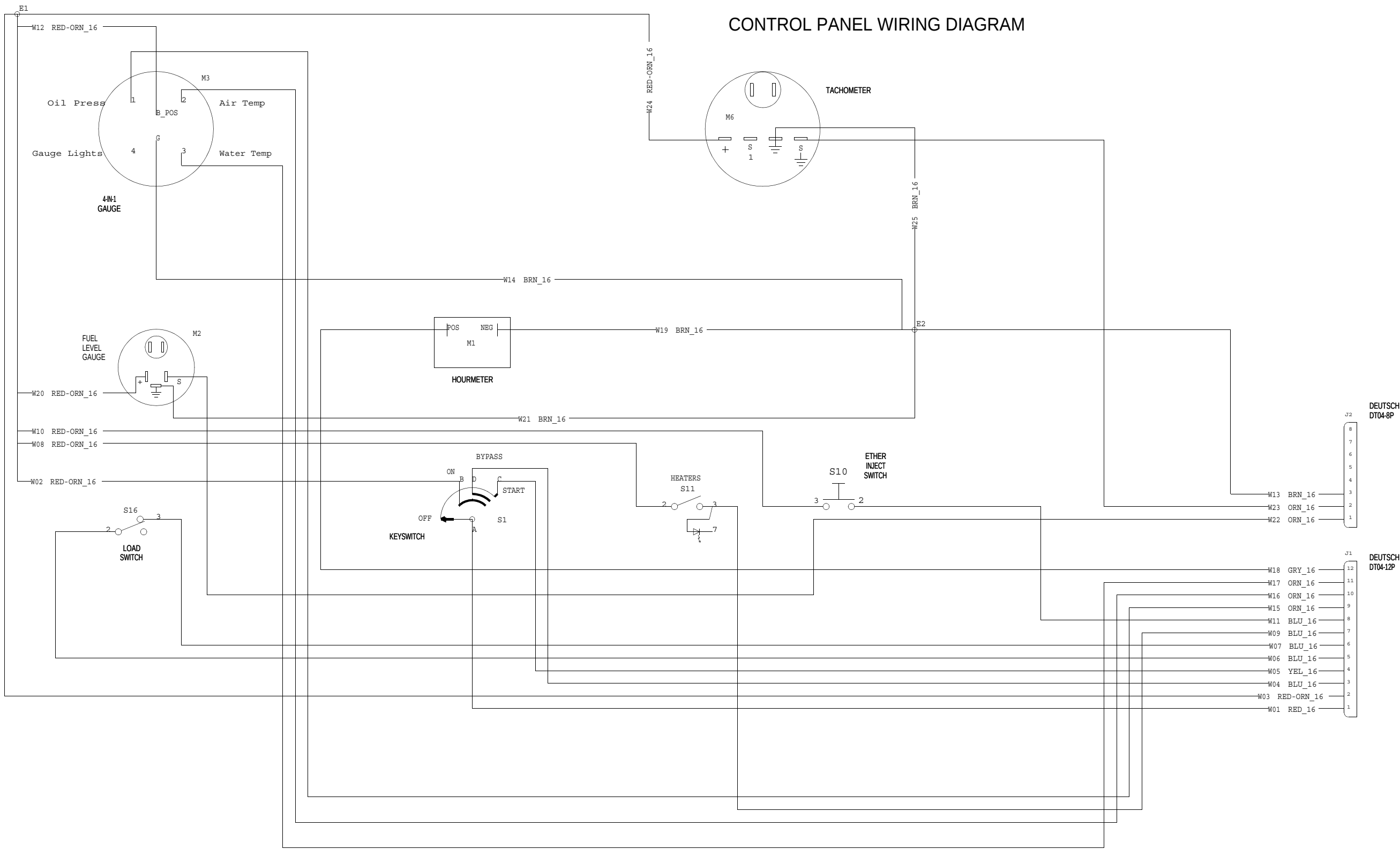
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M1	22054175	Hourmeter		
M2	22692602	Fuel Level Gage		
M3	22056394	4-in-1 Gage		
M6	22055883	Tachometer		
S1	22127385	Key Switch		
S2	36865756	Sep. Tank Safety Valve Temp. Switch		
S3	36865756	Air End Discharge Temp. Switch		
S4	36757581	Engine Oil Pressure Switch		
S5	35327691	Engine Coolant Temp. Switch		
S7	36757573	Discharge Air Pressure Switch		
S8	36847838	Engine Air Filter Restriction Switch		
S9	36847838	Compressor Air Filter Restriction Switch		
S10	22054068	Ether Injection Switch		
S15	36843423	Engine Oil Pressure Switch		
S16	22054092	Load Switch		
K1	35577873	Starter Relay		
K2	36892362	Crank Latch Relay		
K3	36892362	Start / Run Latch Relay		
K4	36892362	Shutdown Latch Relay		
K5	36892362	Fuel Solenoid Relay		
K6	36878361	Alternator Indicator Relay		
K7	36892362	Bypass Relay		
K8	36892362	Low Fuel, No Crank Relay		
U1	36771434	Diagnostic Light Panel		
U2	22155451	Fuel Sender		
U3	36892370	Coolant Level Alarm Module		
RT1	35604180	Compressor Temp. Sender		
RT2	35604180	Engine Temp. Sender		
RP1	36870608	Engine Oil Pressure Sender		
L1	22299127	Coil Commander		
L2	36881944	Unloader Valve Solenoid		
L3	36840841	Start / Run Valve Solenoid		
L4	35357052	Ether Solenoid Kit		
D1-D5	35376169	Diode		
G1	22616965	Alternator		
B1	22345755	Starter Motor (Low-Mount Sep. Tank Side)		
	22178107	Starter Motor (High-Mount Fuel Tank Side)		
PB1	35356799	Coolant Level Probe		
	22298350	Instrument Panel		
	22286348	Instrument Panel Harness		
	22687834	Engine Harness (Low-Mount Starter)		
	22652549	Engine Harness (High-Mount Starter)		

IQ Electrical Parts List

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
HR1B	22460117	Low Ambient Heater Harness		
HR1	36854677	Regulator Heater		
HR2	36841526	Filter 2 Orifice Heater		
HR3	36841526	Regulator Orifice Heater		
HR4	36841526	Filter Orifice Heater		
HR5	36841526	Water Separator Orifice Heater		
HR6	36841526	Aftercooler Blowdown Orifice Heater		
K8,K9 ,K10	36892362	24 Volt Relay		
S16	36899599	Filter Restriction Indicator 20psi		
S11	22054050	Heater Switch		
S17	36899615	Filter Restriction Indicator 25psi		
DS1	22460299	Red Lamp		
RT3	36898922	Temperature Sensor		
	22460109	Low Ambient Harness		
	36920643	Temperature Control Unit		

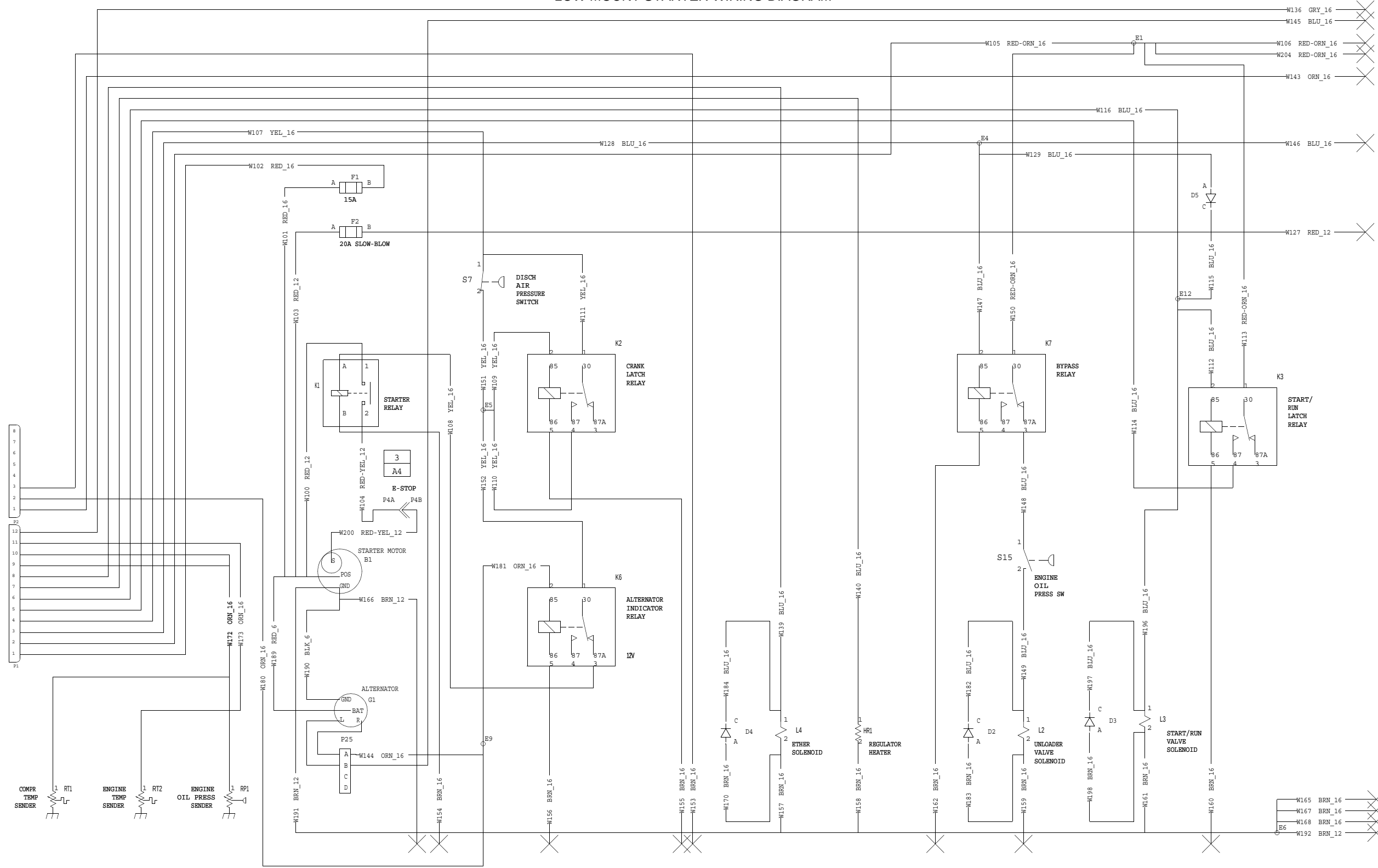
Section 3 - Electrical Schematics

Low Mount Starter Wiring Diagram

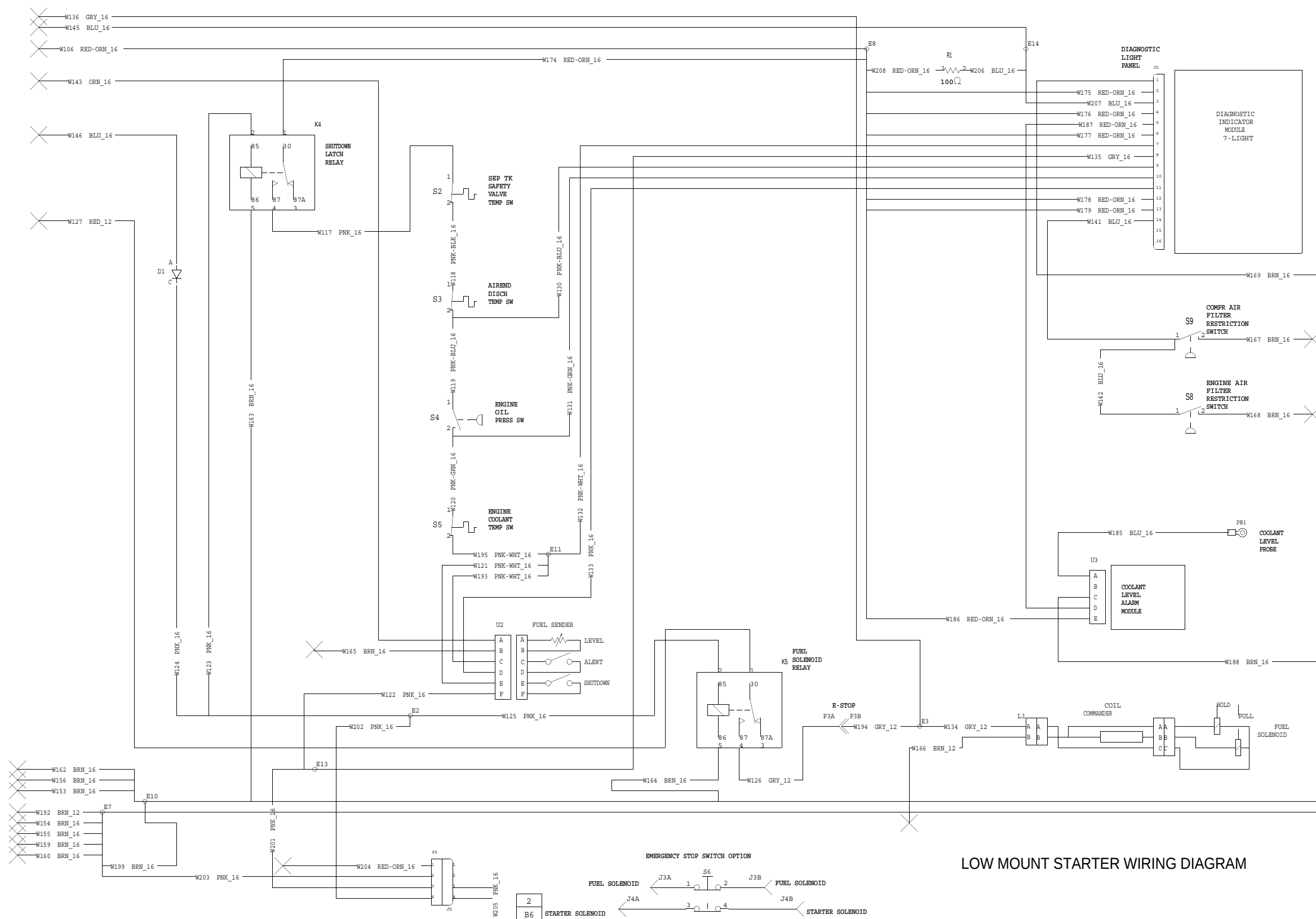


Low Mount Starter Wiring Diagram

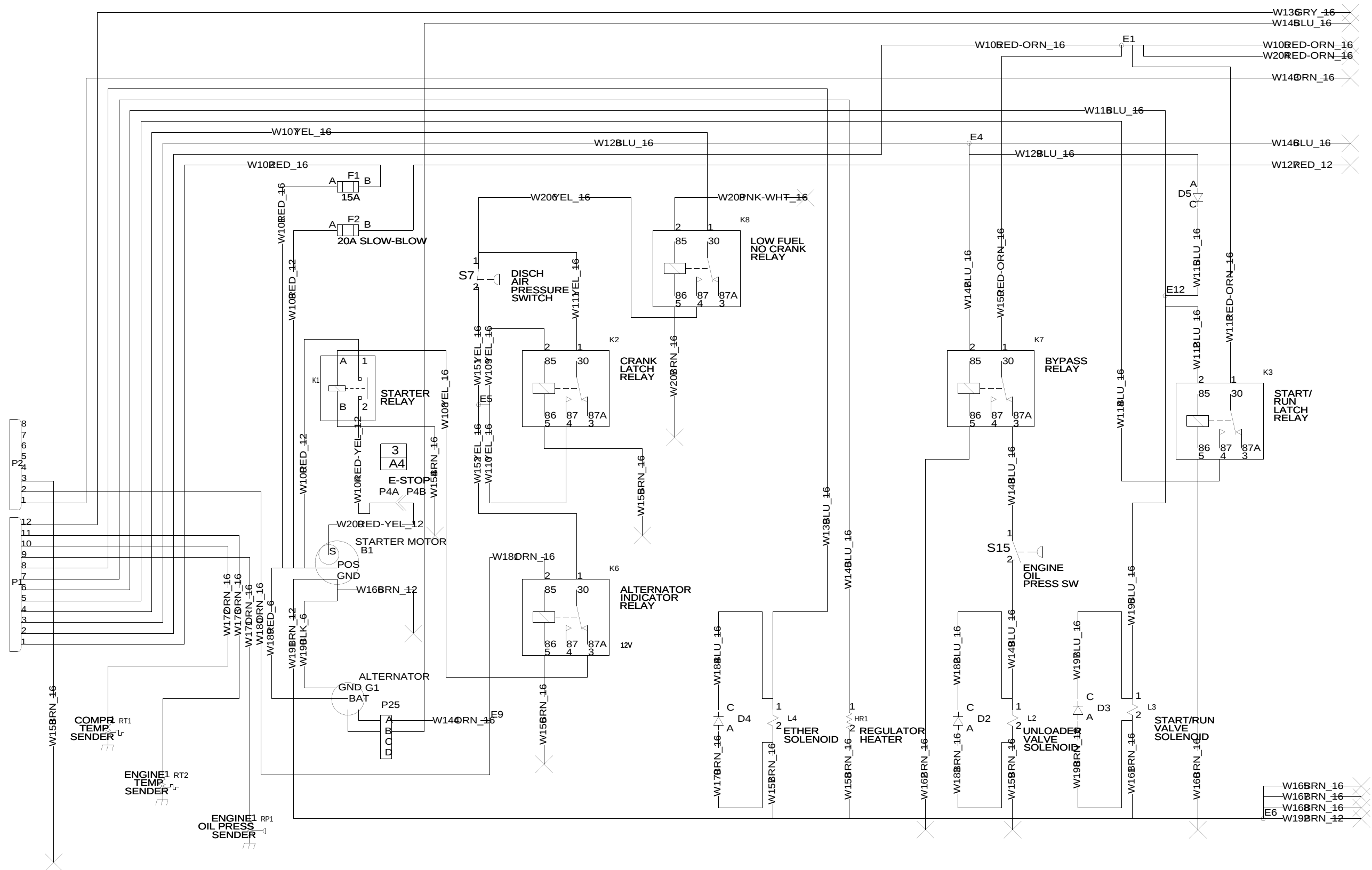
LOW MOUNT STARTER WIRING DIAGRAM



Low Mount Starter Wiring Diagram

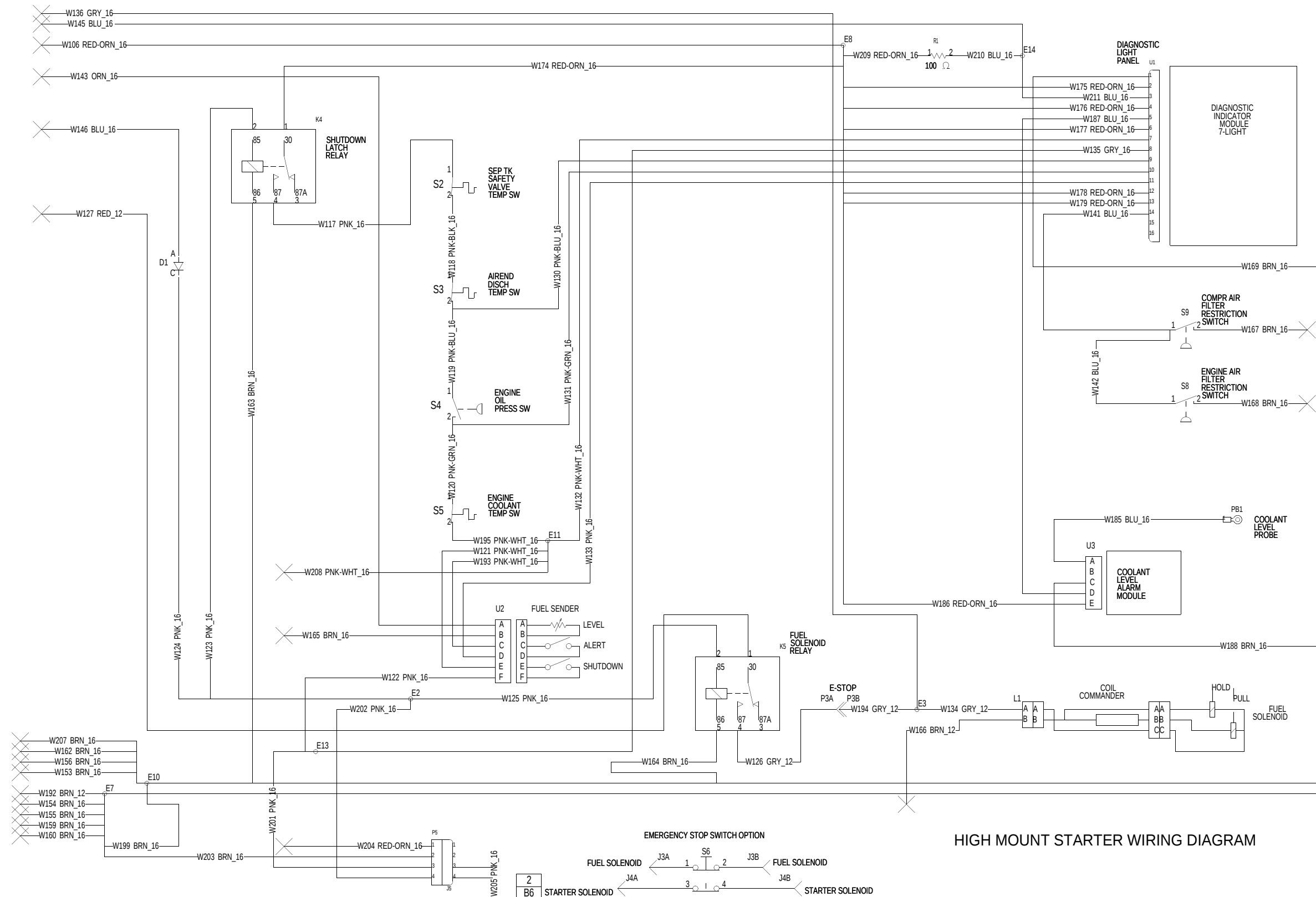


High Mount Starter Wiring Diagram

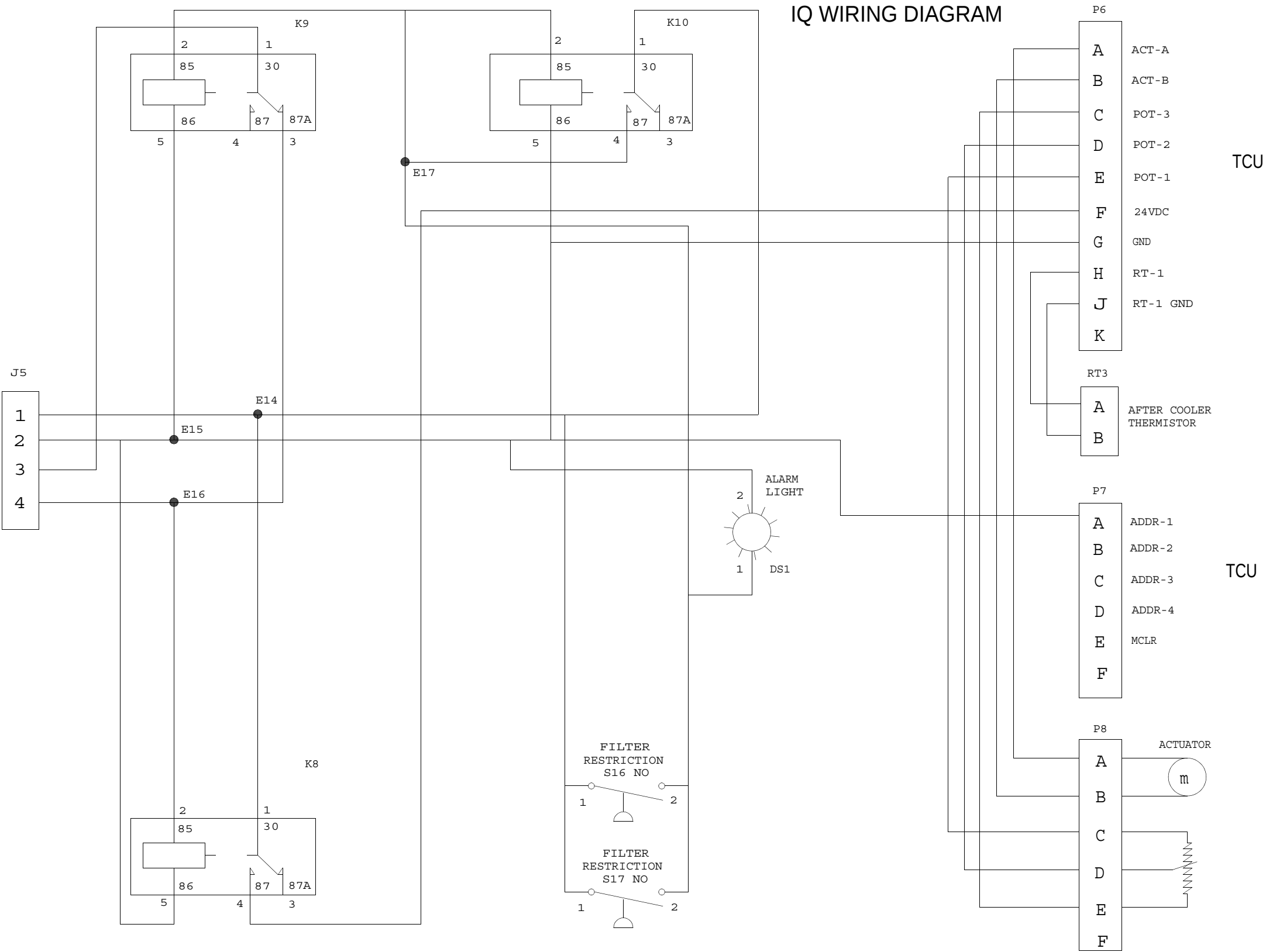


22482533

High Mount Starter Wiring Diagram



IQ Wiring Diagram



IQ WIRING DIAGRAM

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Y - Z) 26

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(Includes Items U - W) 26

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4-in-1 Gage 100

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Flange 54

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