



Doosan Infracore
Portable Power



PARTS MANUAL

COMPRESSOR MODEL

P425 WIR
HP350 WIR
XP375 WIR

Code:

C

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Section A - Parts Ordering

GENERAL

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

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

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

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

Description

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

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

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

Fasteners

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

How To Order

Always specify the model and serial number of the unit.

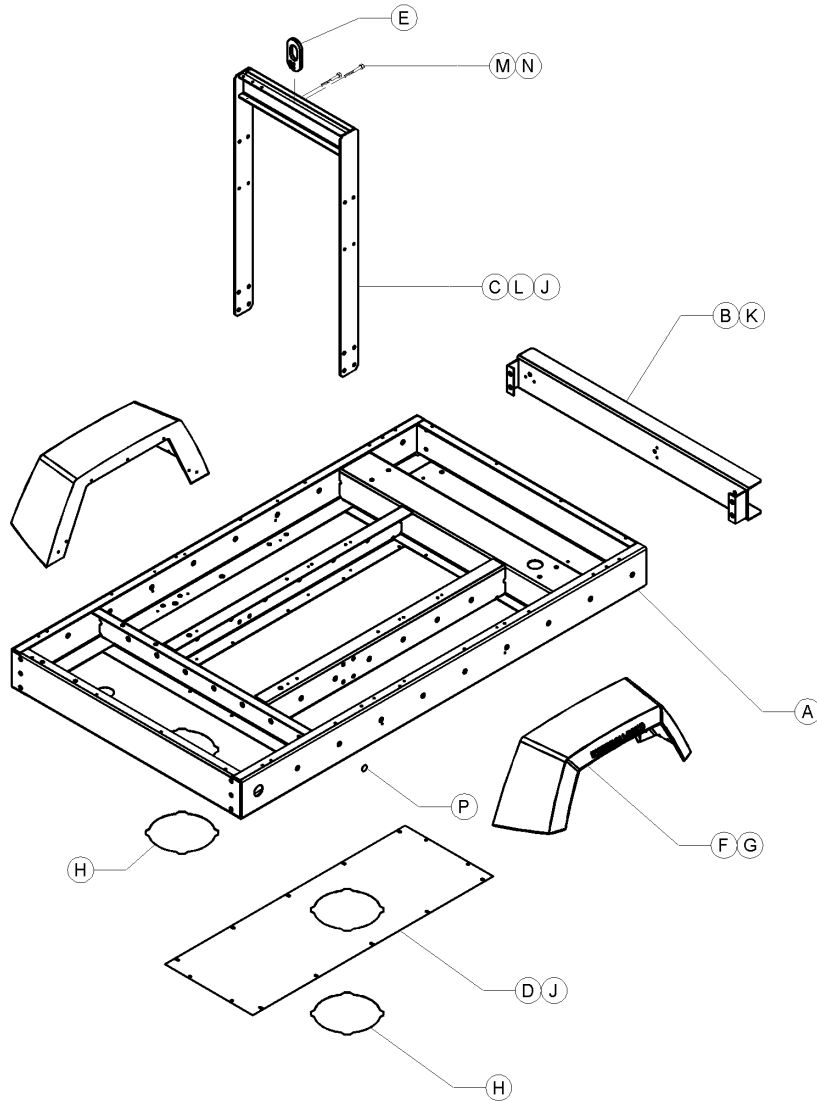
Specify the part number and description.



Section B - COMPRESSOR PARTS

Frame

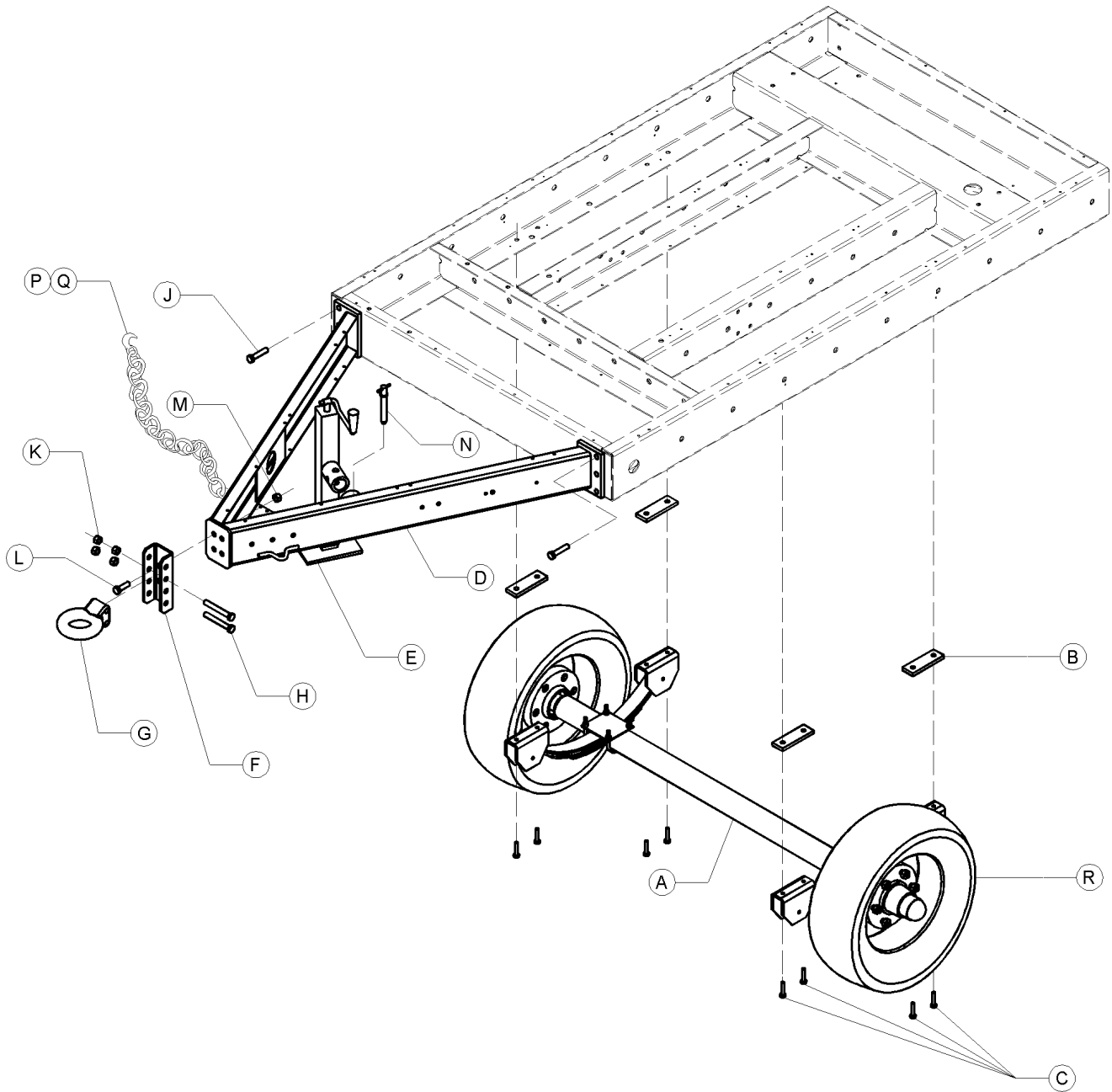
➡ DRAWBAR END



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22165914	Frame Assembly	1	
B	54667902	Bumper	1	
C	54742010	Lifting Bail	1	
D	54641840	Pan, Middle Belly	1	
E	54759113	Eye, Lifting Bail	1	
F	36877579	Fender	2	
G	36797652	Screw, Tapping M06-1.0 X 12	10	
H	36880623	Cover, Flexible	2	
J	35279025	Screw, Tapping M08-1.25 X 20	18	
K	36888055	Screw, Hex Flange M12-1.75 X 30	4	
L	36879492	Screw, Hex Flange Flange M12-1.75 X 25	8	
M	36765121	Screw, Hex Flange M16-2.0 X 55	2	
N	96704630	Nut, Nyloc M16 -2.0	2	
P	54772041	Plug, Snap-in Hole	15	

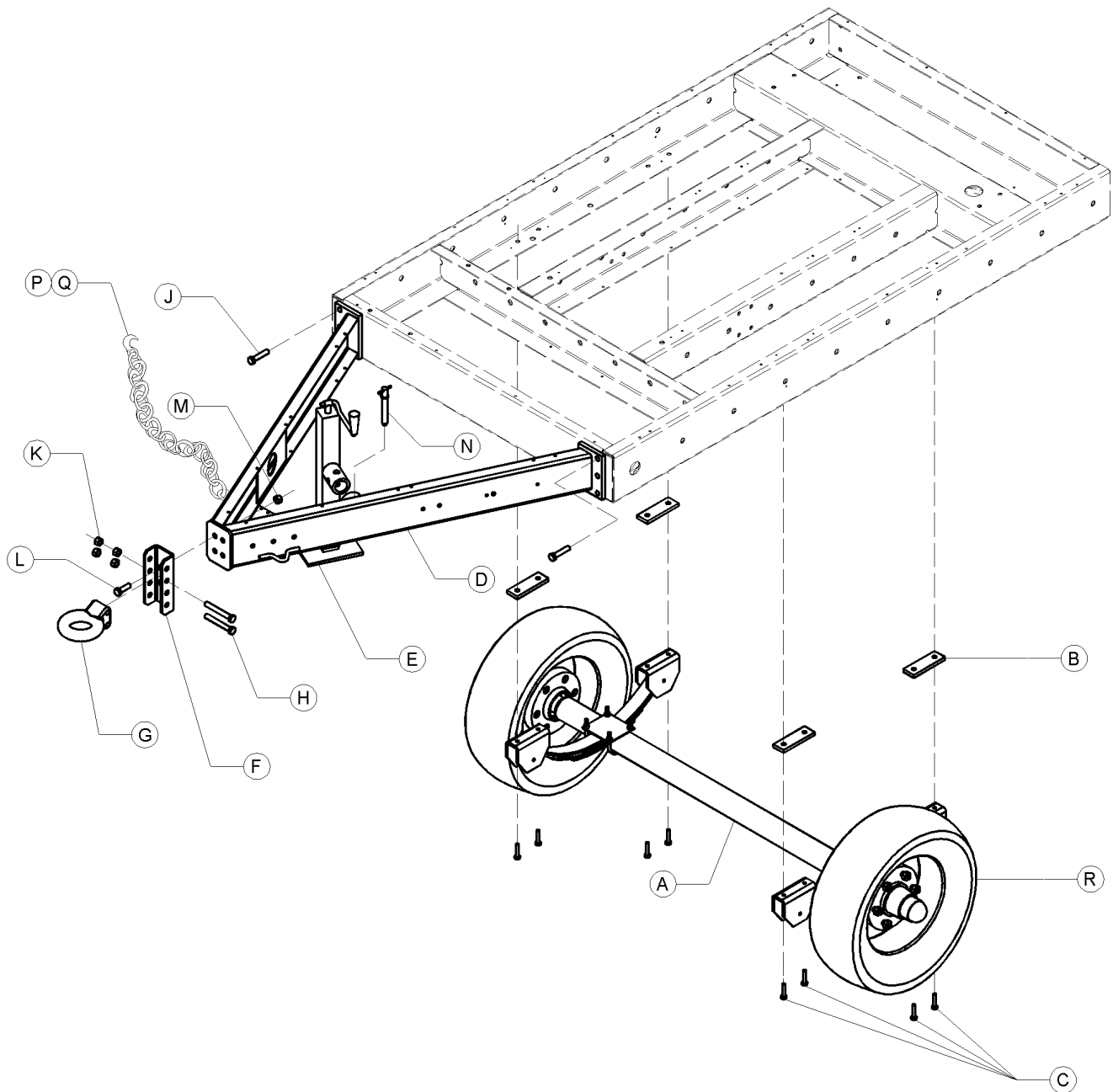
Drawbar and Running Gear



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54625322	Running Gear	1	
B	36880599	Spacer, Running Gear	4	
C	96747399	Screw, Hex Flange M12-1.75 X 40	8	
D	36876621	Drawbar	1	
E	54443577	Jack, Screw	1	
F	36757284	Channel, Pintel Mtg 3-Position	1	
G	35605187	Eye, Pintel 3"	1	
H	35376094	Screw, Hex M16-2.0 X 12	2	
				Continued on next page

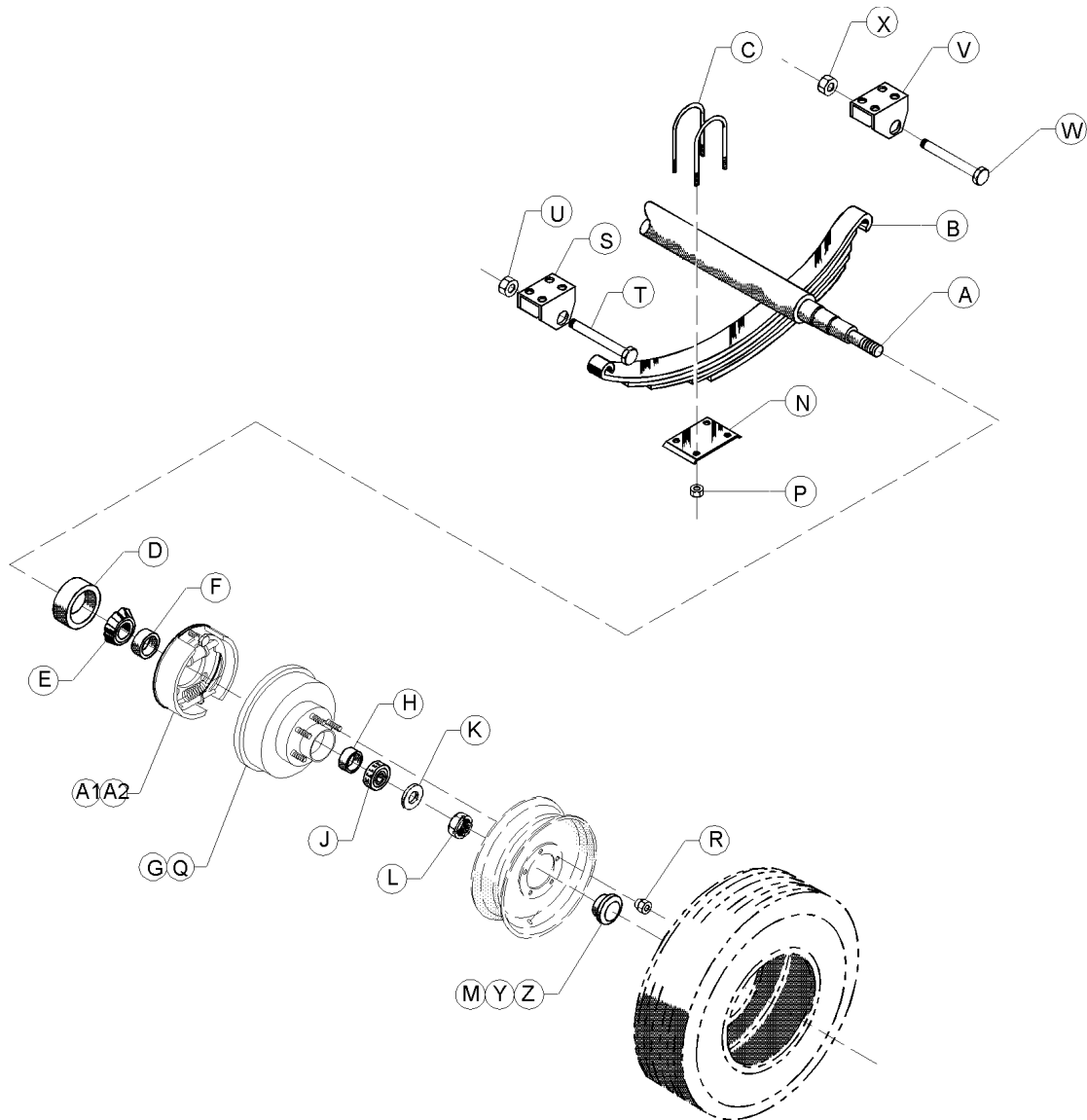
Drawbar and Running Gear



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
J	36879302	Screw, Hex M16-2.0 X 50	6	Continued
K	96701750	Nut, Hex M16-2.0	4	
L	39179072	Bolt, Hex M16-2.0 X 50	4	
M	36879211	Nut, Hex Flange M16-2.0	4	
N	35609544	Pin, Quick Release	1	
P	35610377	Chain Assembly	2	
Q	35372432	Lock, Coupling	2	
R	95935003	Washer, Flat	16	
S	36073864	Tire Assembly	2	

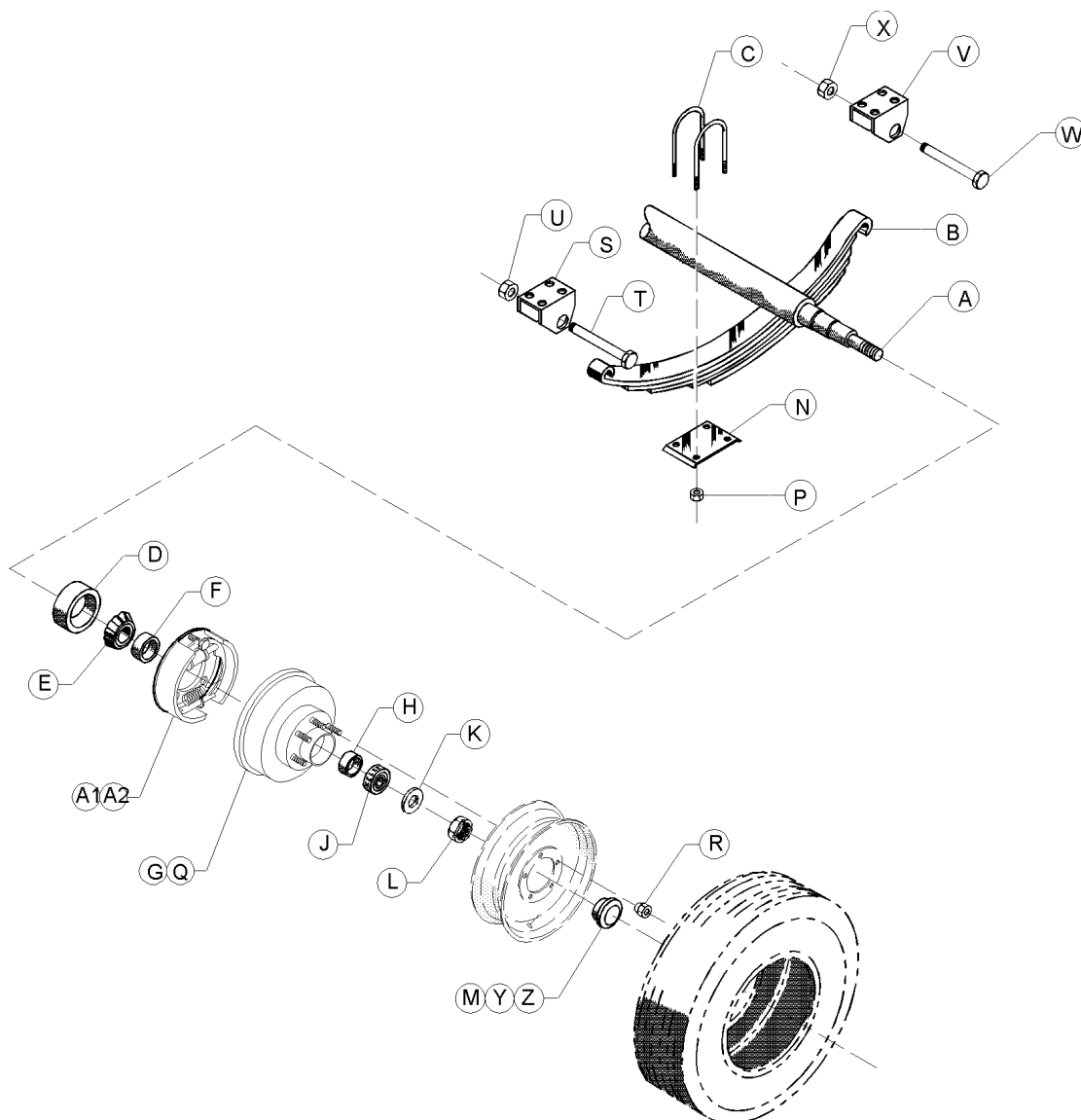
Running Gear



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54750997	Beam, Axle	1	<i>Continued on next page</i>
B	35315126	Spring, Slipper	2	
C	35360734	U-Bolt	4	
D	35316868	Seal, Grease	2	
E	35316876	Cone, Inner Bearing	2	
F	35316884	Cup, Inner Bearing	2	
G	35390459	Hub, Studded	2	
H	35318831	Cup, Outer Bearing	2	
J	35318849	Cone, Outer Bearing	2	
K	35315209	Washer, Spindle	2	
L	35315217	Nut, Spindle	2	
M	35379395	Cap, Grease Dust	2	
N	35315241	Plate, Tie	2	

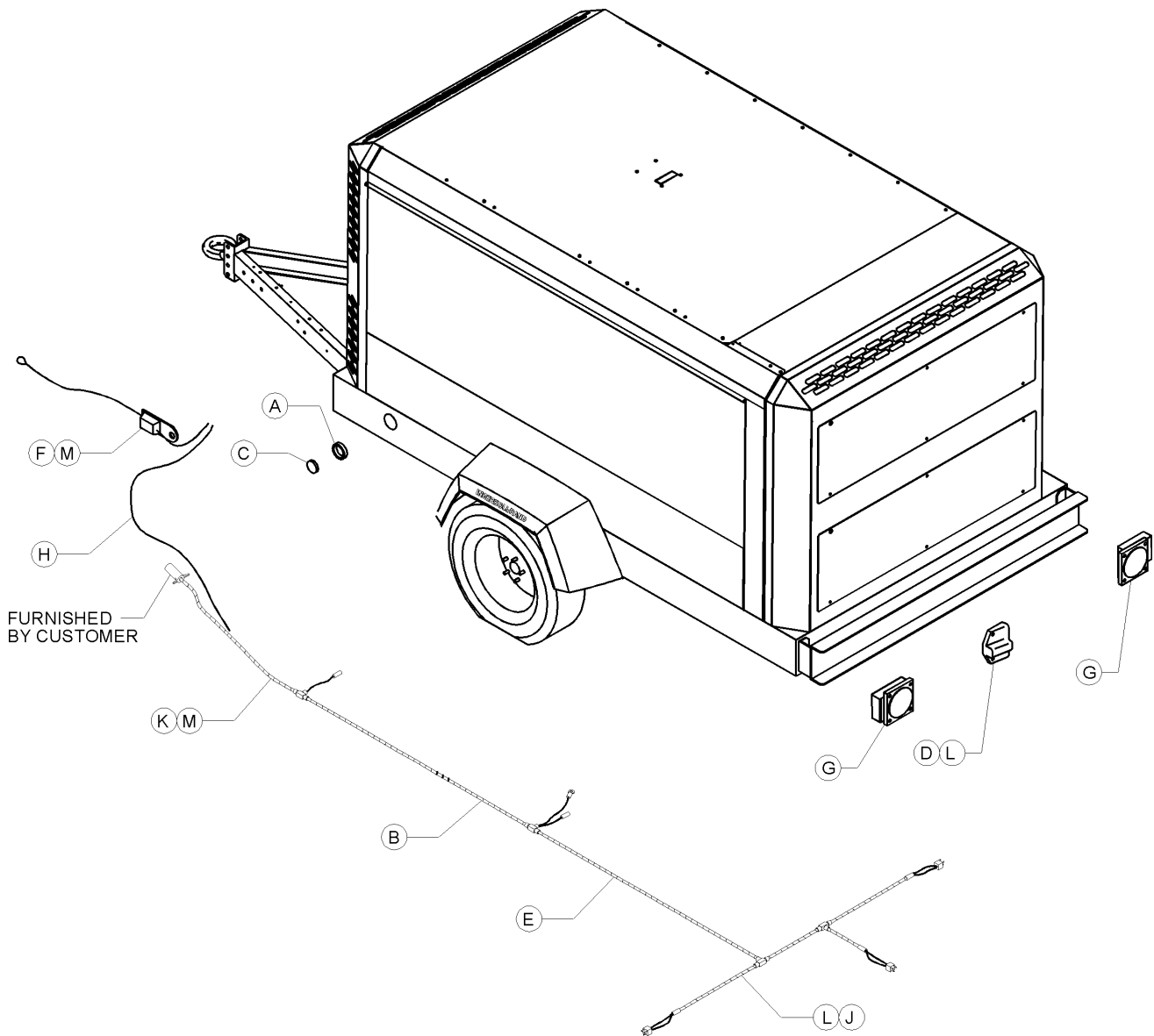
Running Gear



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	35315258	Nut, U-Bolt	4	 <i>Continued</i>
Q	35361898	Stud	12	
R	35315274	Nut, Wheel	12	
S	35326958	Hanger, Front	2	
T	35315340	Bolt, Shackle	2	
U	35315357	Nut, Top Lock	2	
V	35326966	Hanger, Rear	2	
W	35315365	Bolt, Keeper	2	
X	35315373	Nut, Keeper	2	
Y	35379387	Plug, Grease Cap	2	
Z	35390012	Washer, Tang	2	
A1	35390814	Brake Assembly, LH Electric	1	
A2	35390822	Brake Assembly, RH Electric	1	

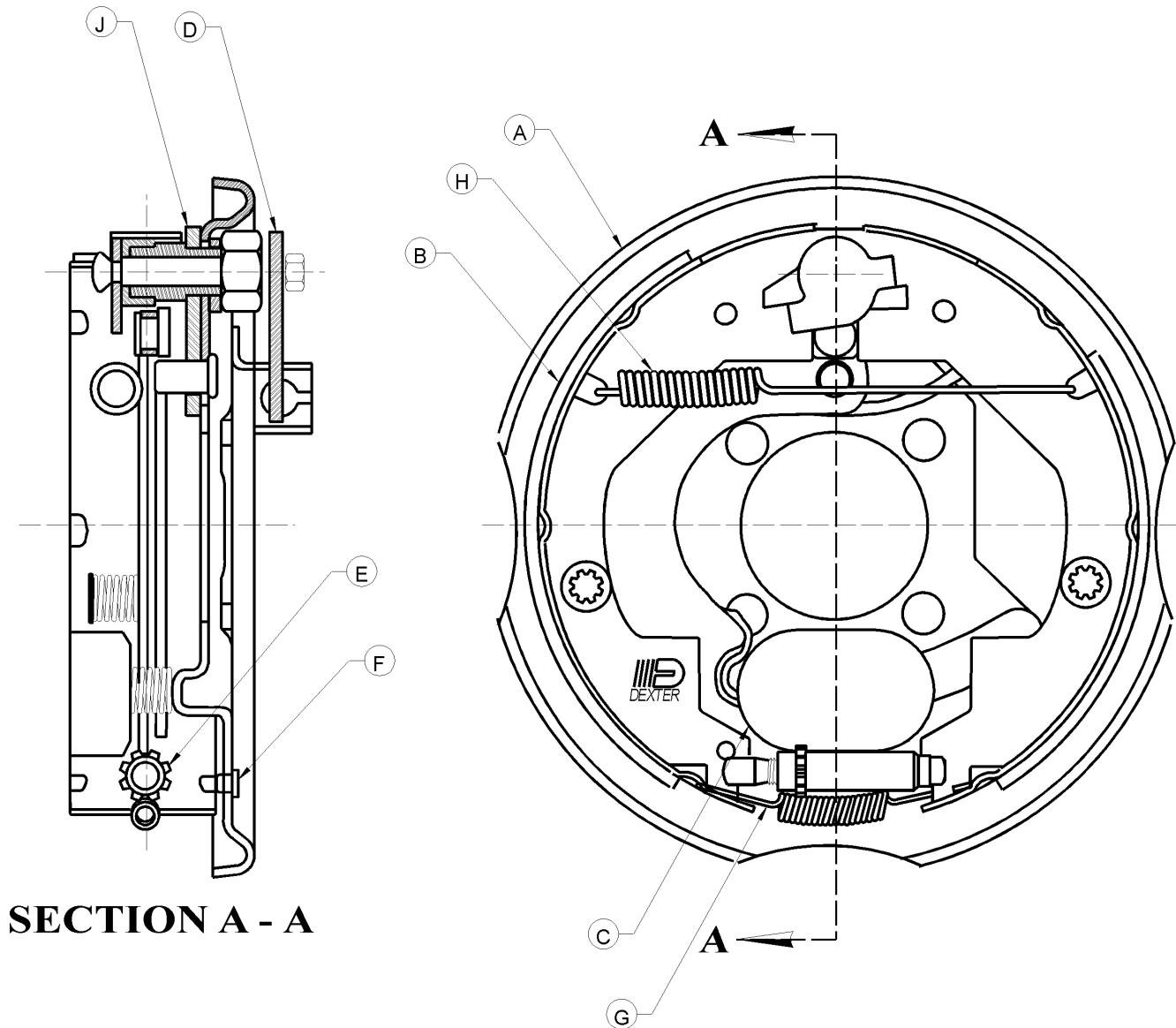
Electric Brake Wiring



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36893634	Grommet, Side Light	2	
B	54761101	Harness, Lighting	1	
C	35367051	Light, Yellow Clearance	2	
D	36895860	Light, License	1	
E	35225077	Clamp, 5/8" Support	4	
F	35315944	Switch, Breakaway	1	
G	54671557	Light, Stop/Tail/Turn	2	
H	22698476	Conduit, Spiral	40"	
J	35253038	Clamp, 3/8"	3	
K	37001252	Clamp, Support	1	
L	92368687	Screw, Tapping M06-1.0 X 14	5	
M	36797652	Screw, Tapping M06-1.0 X 12	2	

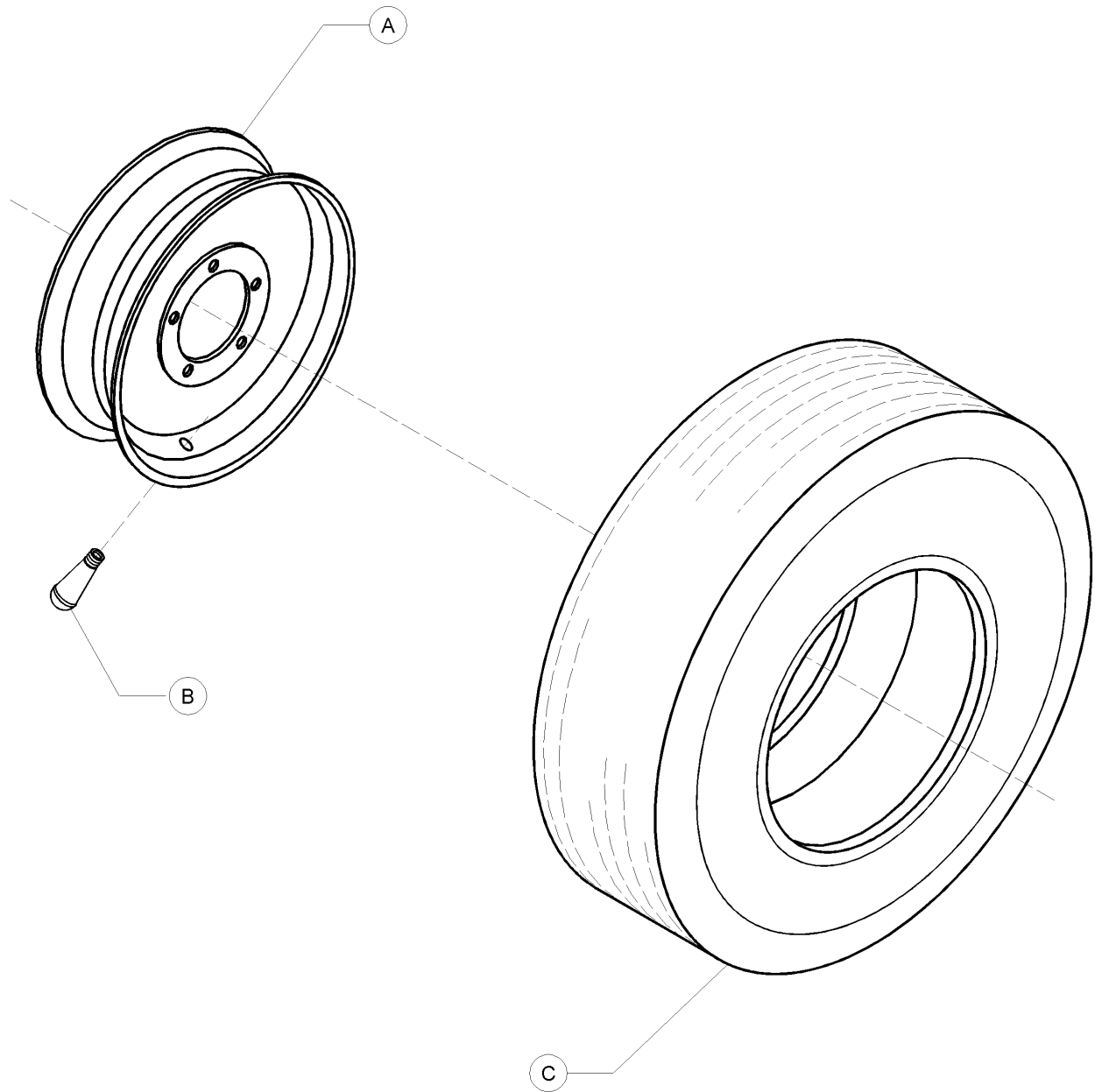
Electric Brake Shoe



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35390830	Plate Assembly, LH Backing	1	
	35390848	Plate Assembly, RH Backing	1	
B	36895803	Shoe Kit, Brake	1	
C	36895811	Magnet Kit	2	
D	35390913	Lever, Parking Brake	2	
E	35391010	Screw Assembly, Adjusting	2	
F	35391069	Plug, Adjusting SLOT	2	
G	35393727	Spring Kit, Adjusting Screw	2	
H	35391002	Spring, Retractor	2	
J	36895829	Lever Kit, LH Actuating	1	
	36895837	Lever Kit, RH Actuating	1	

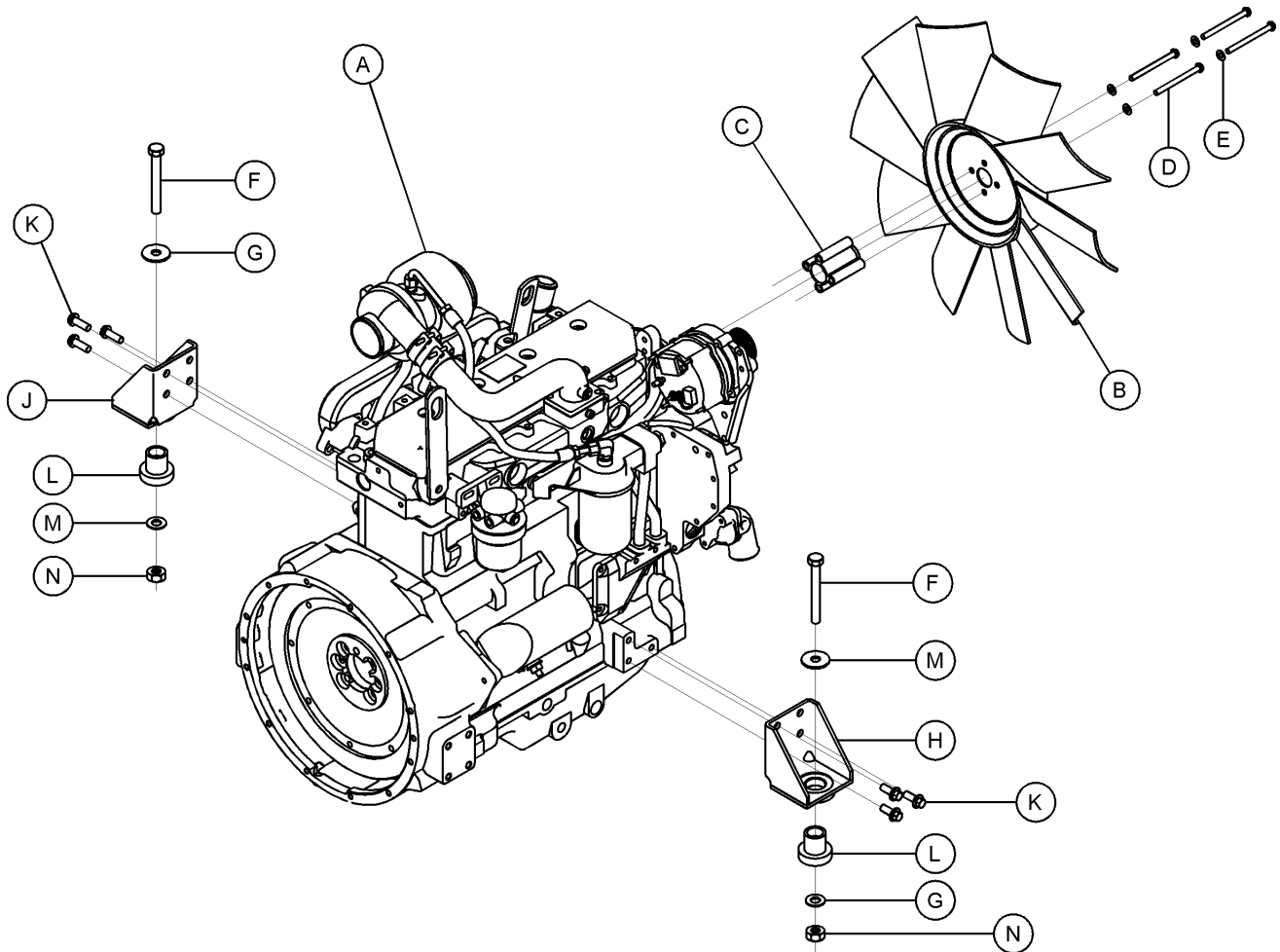
Tire and Wheel Assembly



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35318757	Wheel, 15 X 6	1	
B	35282565	Valve, Stem	1	
C	22253041	Tire, ST225/75D15D	1	

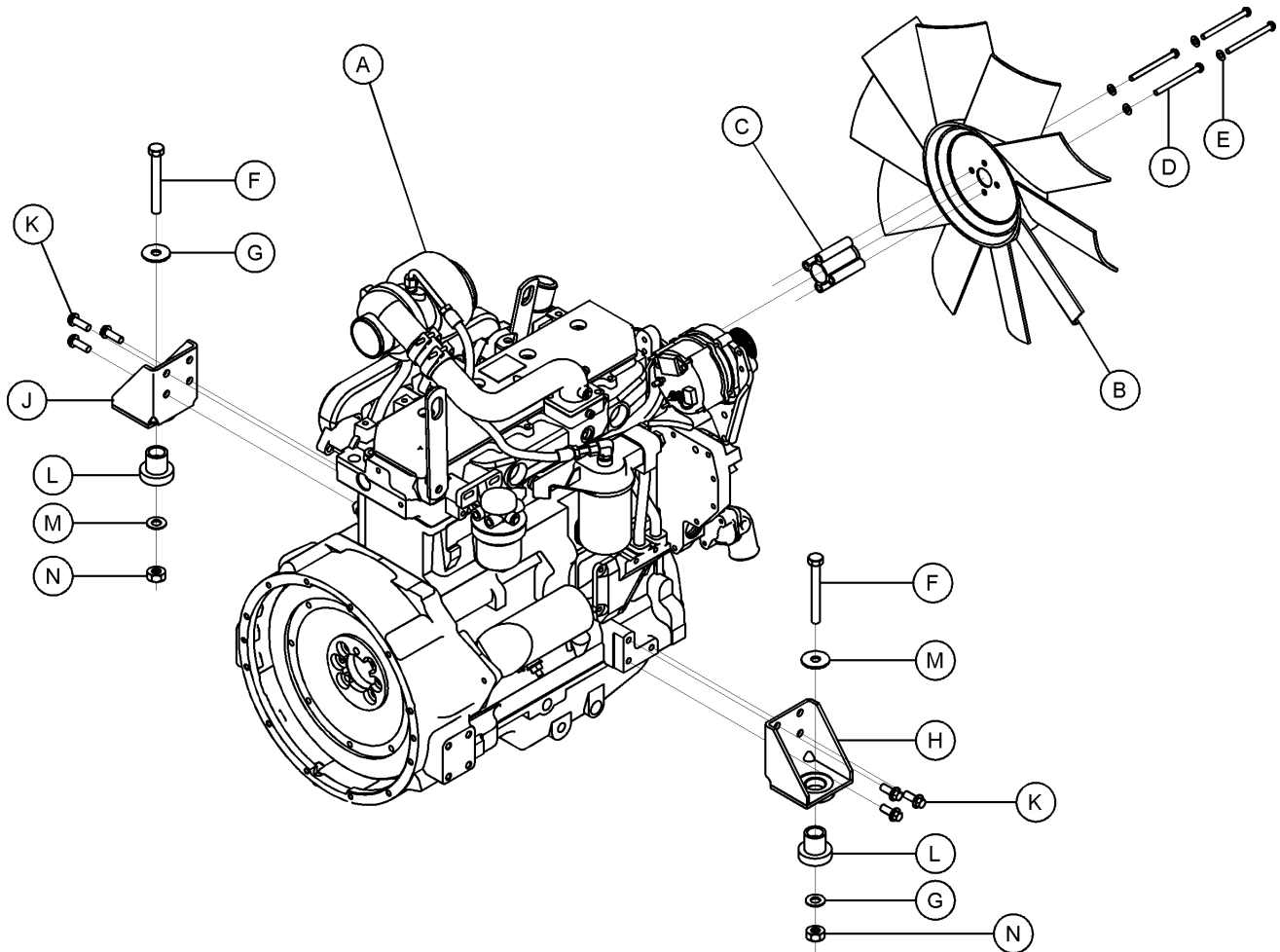
Engine Complete



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22884605	Engine	1	<i>Continued on next page</i>
B	22748578	Fan	1	
C	54749056	Spacer, Fan	1	
D	96726435	Screw, Hex M08-1.25 X 100	4	
E	96701396	Washer, Flat M08	4	
F	96701503	Screw, Hex M16-2.0 X 90	2	
G	35327212	Washer, Snubber	2	
H	54756739	Mount, STSD Engine	1	
J	54756507	Mount, CRBSD Engine	1	

Engine Complete



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	36888055	Screw, Hex Flange M12-1.75 X 30	6	Continued
L	54756697	Isolator, Center Bond	2	
M	95935052	Washer, Flat	2	
N	96704630	Nut, Nyloc M16 -2.0	2	
	22206148	Element, Oil Filter	AR	
	22969257	Element, Final Fuel Filter	AR	
	22969265	Element, Primary Fuel Filter	AR	

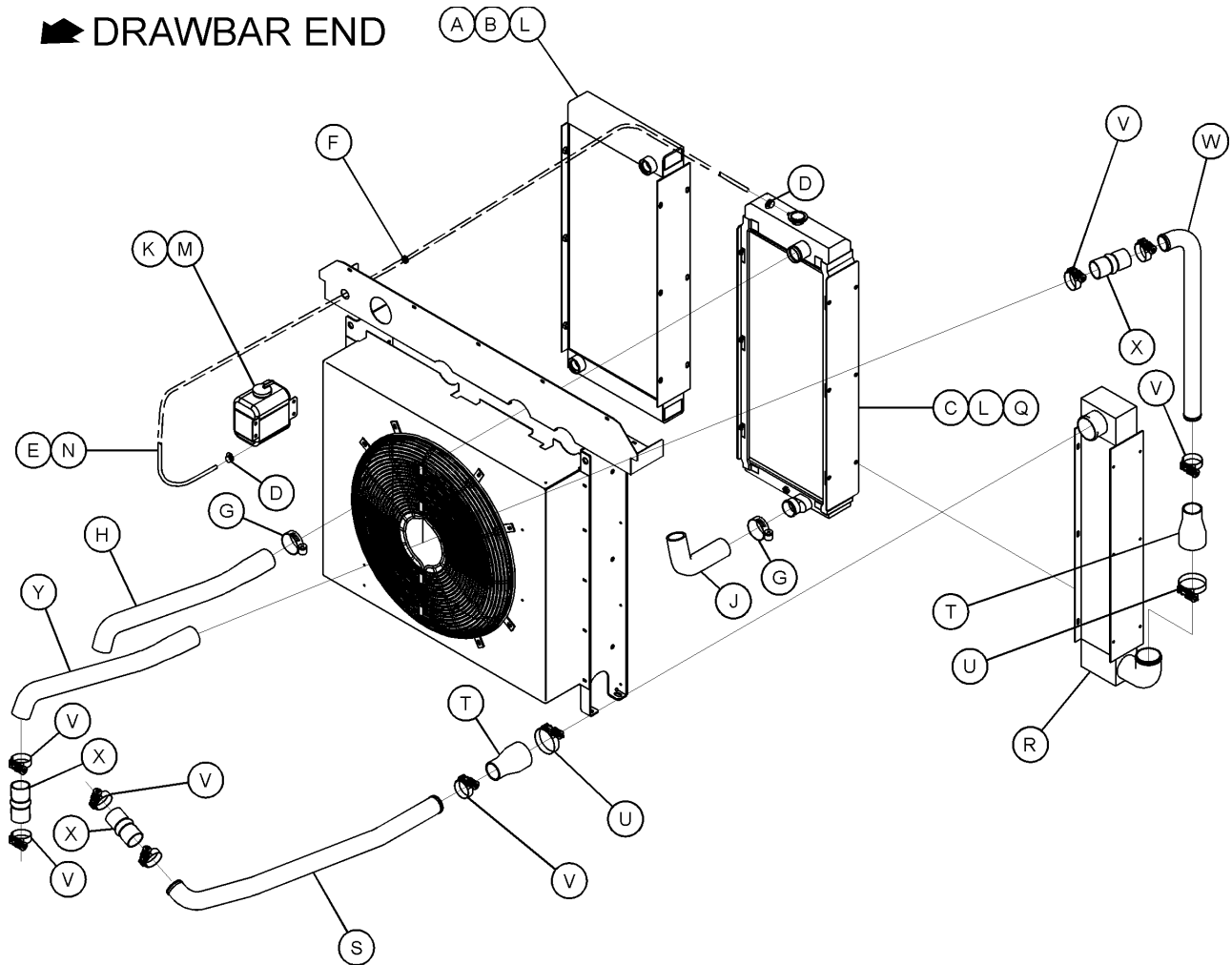
Fan Shroud



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22902134	Baffle, Top	1	See Lengths Above
B	22910723	Baffle, STSD Cooler	1	
C	22910962	Support, Oil Cooler	1	
D	22150643	Support, Carge Air Cooler	1	
E	22910988	Baffle, CRBSD Cooler	1	
F	22897607	Shrod, Fan	1	
G	22962583	Guard, Fan	1	
H	95934998	Washer, Flat 5/16"	8	
J	36879492	Screw, Hex Flange M12-1.75 X 25	4	
K	36797652	Screw, Tapping M06-1.0 X 12	26	
L	36895746	Nutsert, Hex M08	8	
M	96702055	Screw, Hex M08-1.25 X 20	8	
N	35140409	Foam	~	
P	22746630	Panel, Access Cover	1	

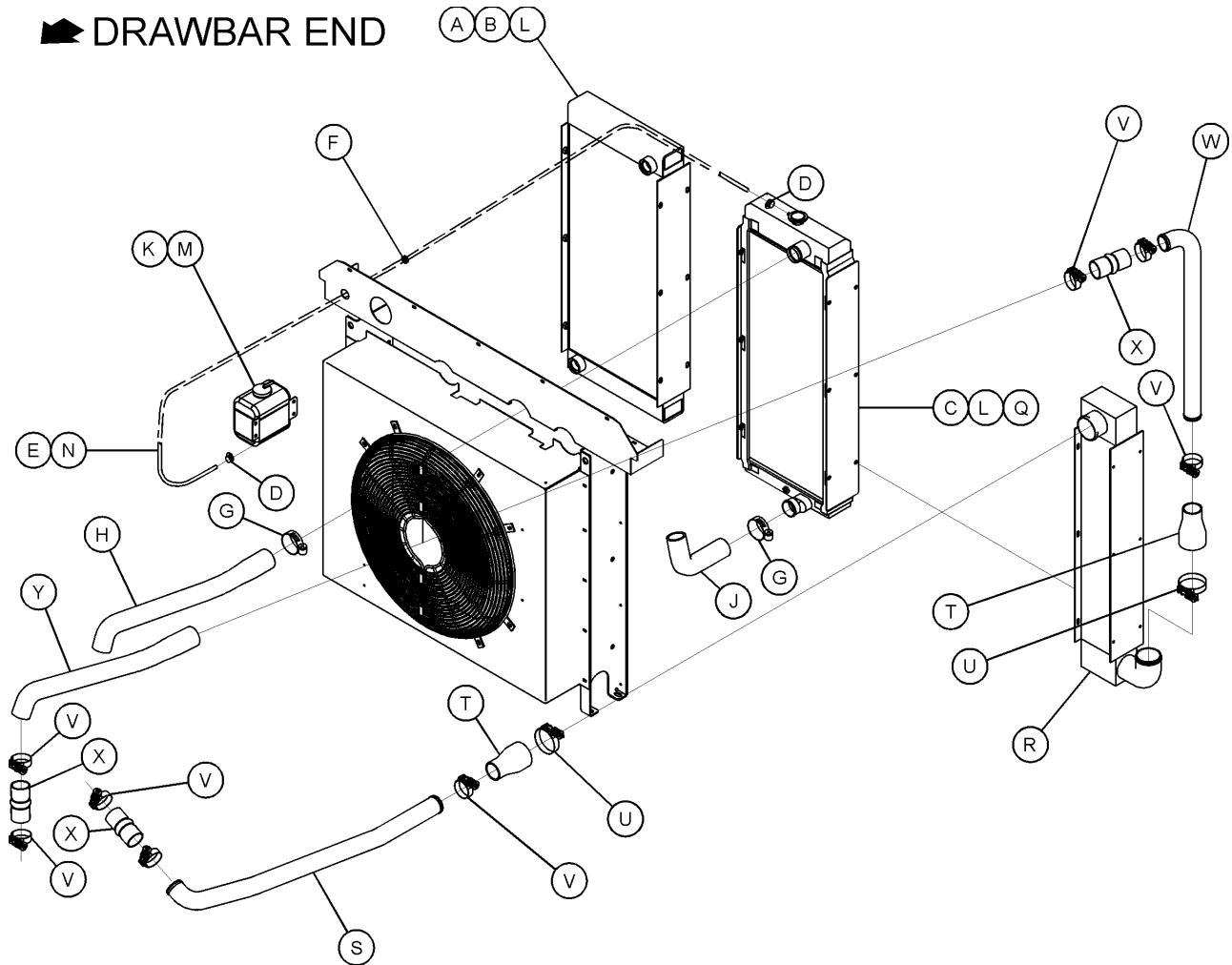
Coolers



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22150197	Oil Cooler	1	
B	36879195	Nut, Hex Flange M10-1.5	12	
C	22220487	Radiator	1	
D	35296342	Clamp, Worm Gear	2	
E	35360775	Tubing, 5/16"	39"	
F	35285162	Grommet, 3/4" ID	1	
G	35221639	Clamp, Hose	4	
H	22897631	Hose, Top Radiator	1	
J	22897649	Hose, Bottom Radiator	1	
K	36884948	Bottle, Coolant Recovery	1	
L	96702279	Screw, Hex M10-1.50 X 20	24	
M	92368687	Screw, Tapping M06-1.0 X 12	4	
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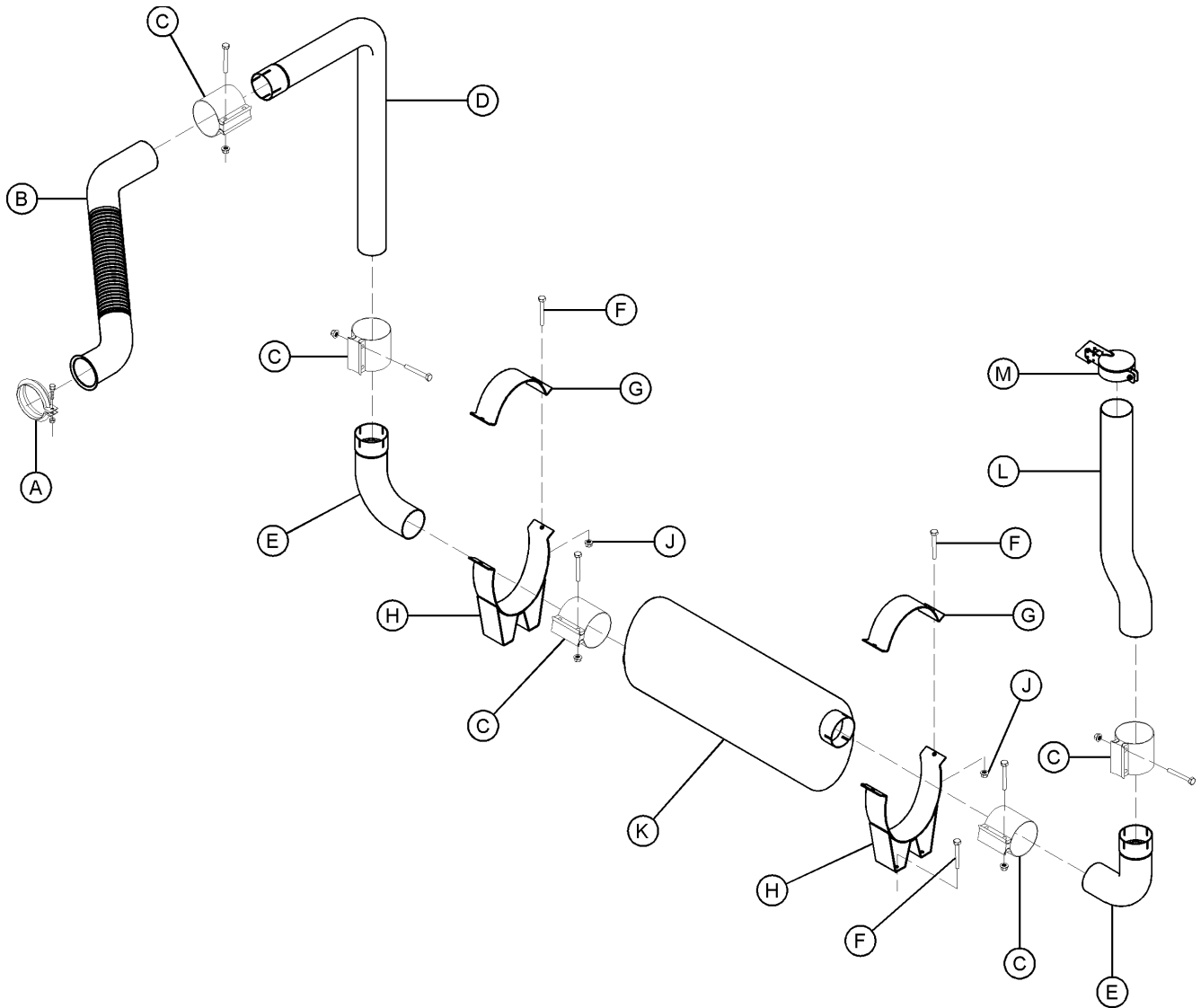
Coolers



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	35225093	Clamp, 1/2" Rubber Support	2	Continued
P	22897623	Pipe, Charge Air Cooler / Engine	1	
Q	36769560	Cap, Radiator	1	
R	22872691	Cooler, Charge Air	1	
S	22897615	Pipe, Charge Air Cooler / Turbo	1	
T	22189310	Reducer	2	
U	22144513	Clamp, Spring-Loaded 3"	2	
V	22189302	Clamp, Spring-Loaded 2.25"	8	
W	22174742	Pipe, Charge Air Cooler Vertical	1	
X	22177265	Connector, Flexible	3	

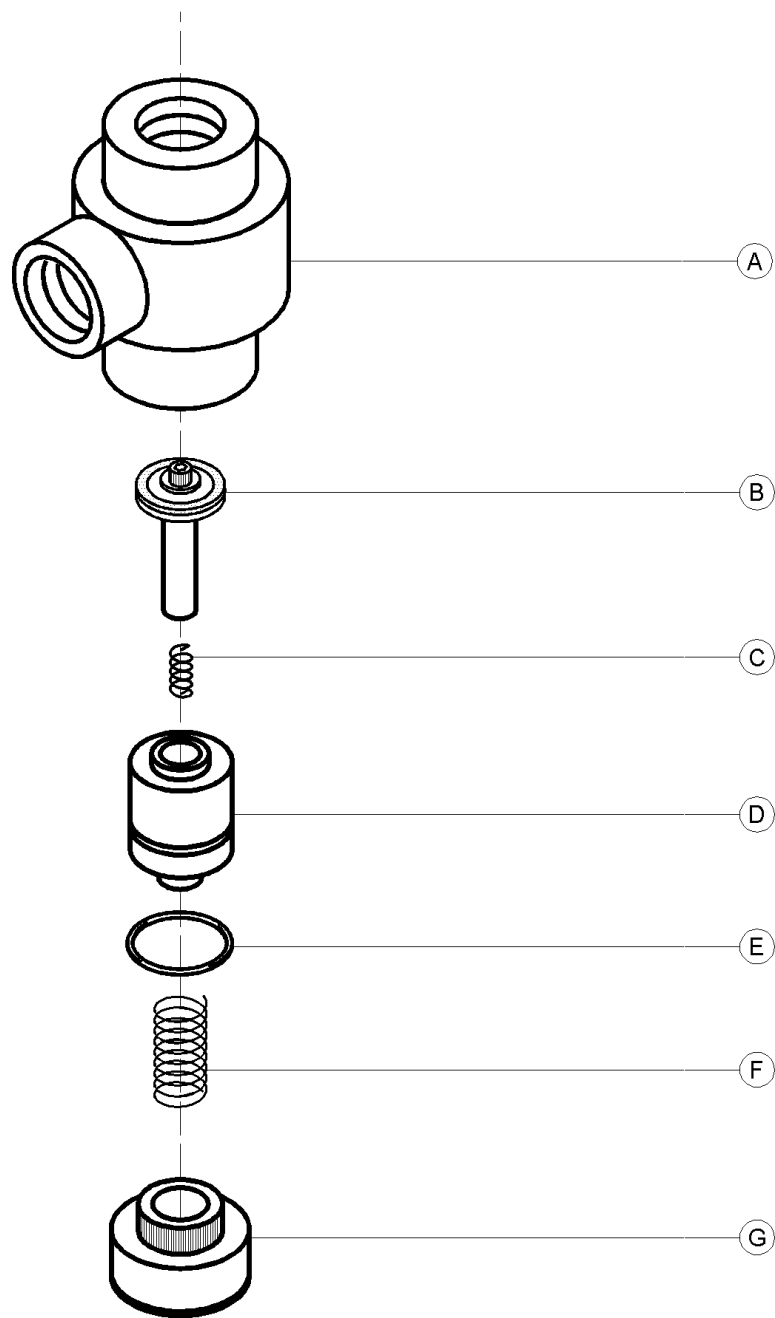
EXHAUST COMPLETE



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881175	Clamp, Exhaust	1	
B	22447460	Exhaust Pipe Assembly	1	
C	35293067	Clamp, Exhaust Seal	5	
D	22447494	Tube, Exhaust	1	
E	22447577	Elbow, 3.5" Tube	2	
F	35279025	Screw, Tapping M08-1.25 X 20	4	
G	22481568	Clamp, Top	2	
H	22446298	Clamp, Muffler	2	
J	36881886	Nut, Hex Flange M08-1.25	4	
K	35797877	Muffler	1	
L	22447486	Pipe, Exhaust	1	
M	36869337	Cap, Rain	1	
N	36889608	Screw, Hex Flange M08-1.25 X 25	4	

MINIMUM PRESSURE VALVE

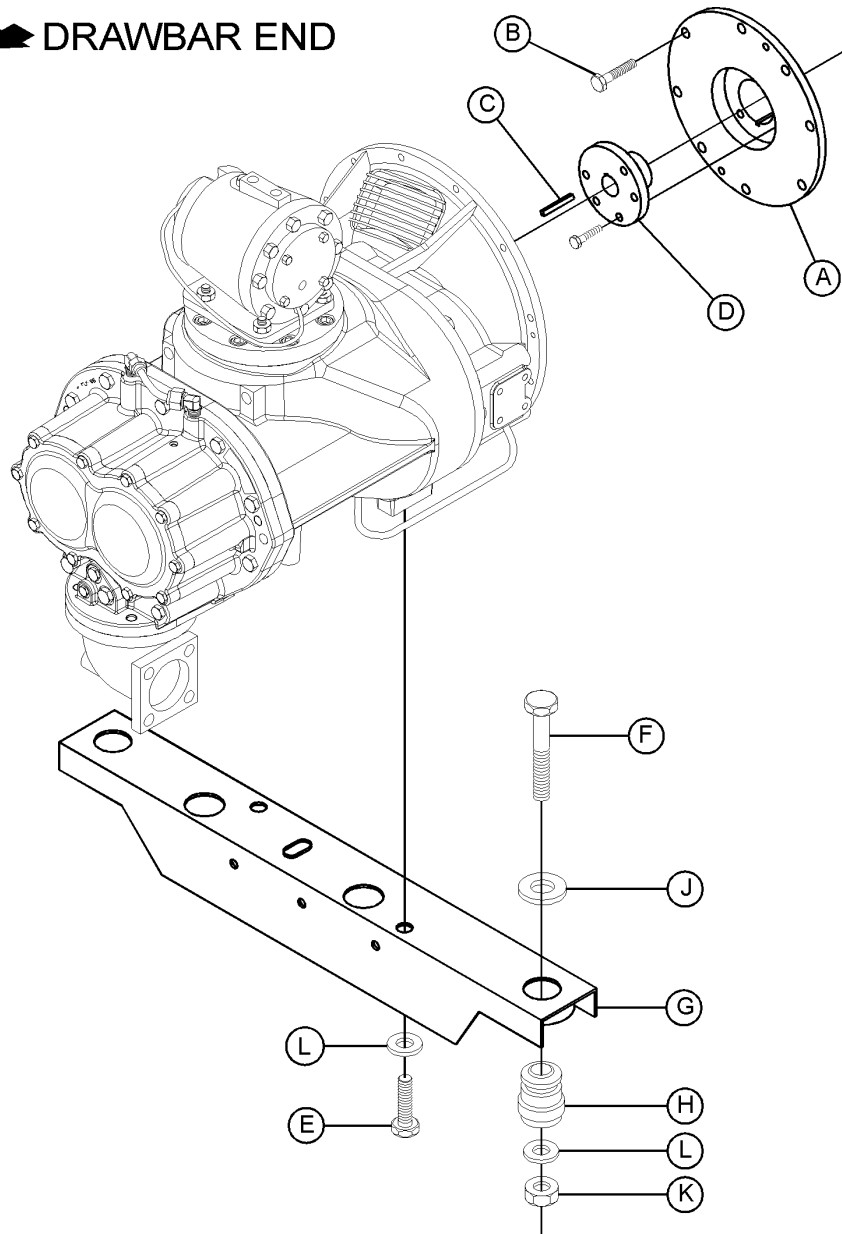


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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22146625	Body, Minimum Pressure Valve	1	
B	22146633	CV Assembly	1	
C	35380732	Spring	1	
D	22146617	Piston	1	
E	35380724	O-Ring	1	
F	35380740	Spring	1	
G	35380757	Cap	1	
	22146641	Minimum Pressure Valve Assembly		

Airend Coupling

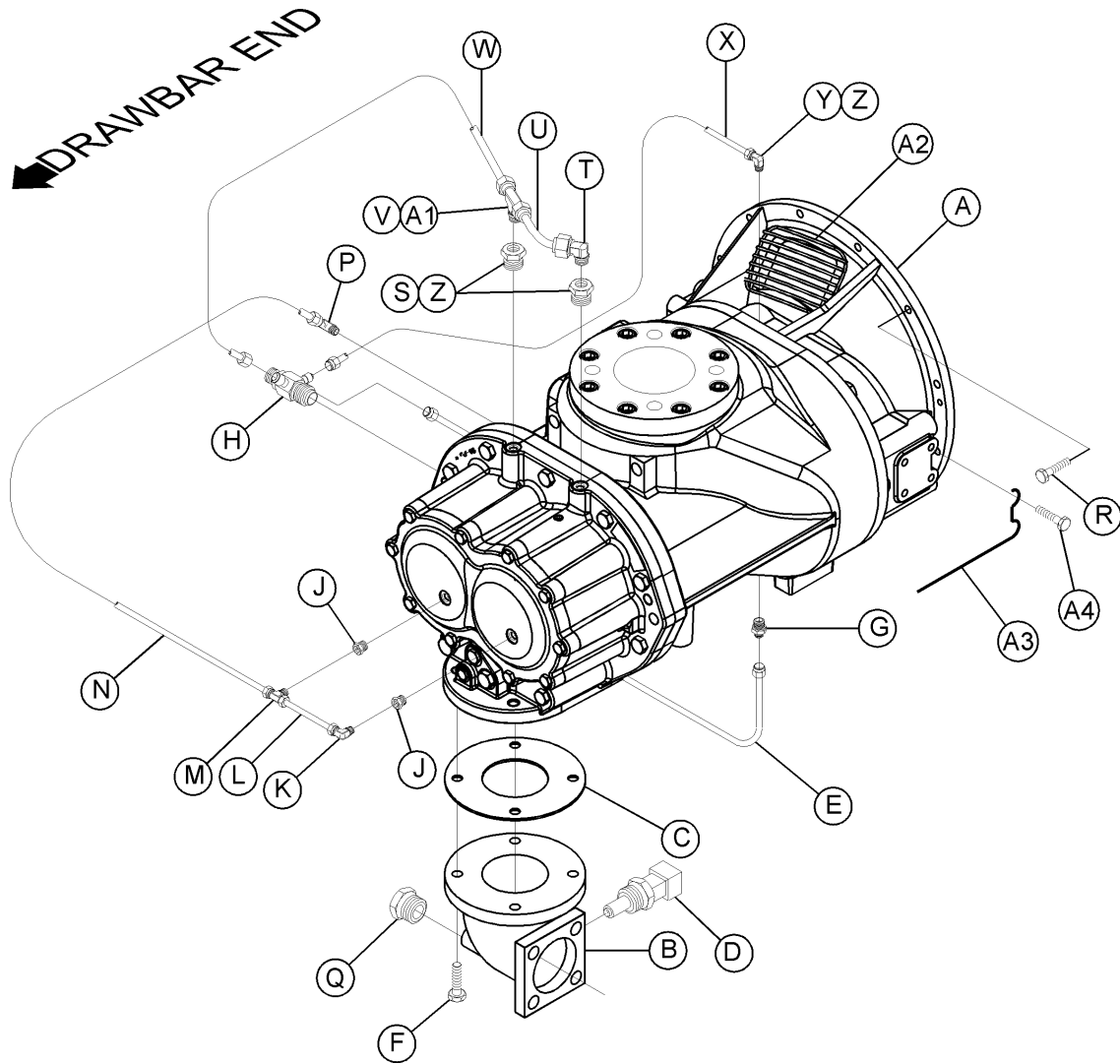
➡ DRAWBAR END



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35834779	Coupling, Clutch	1	
B	95220604	Screw, Socket Head 3/8-16 X .75	8	
C	35321421	Key, 3/8" SQ X 2.75	1	
D	35589621	Bushing, Clutch	1	
E	35375591	Screw, Hex M16-2.0 X 30	2	
F	96701503	Screw, Hex M16-2.0 X 90	2	
G	43208511	Support, Airend	1	
H	35318229	Isolator, Center Bond Mount	2	
J	35327212	Washer, Snubber	2	
K	96704630	Nut, Nyloc M16-2.0	2	
L	95935052	Washer, Flat M16	4	

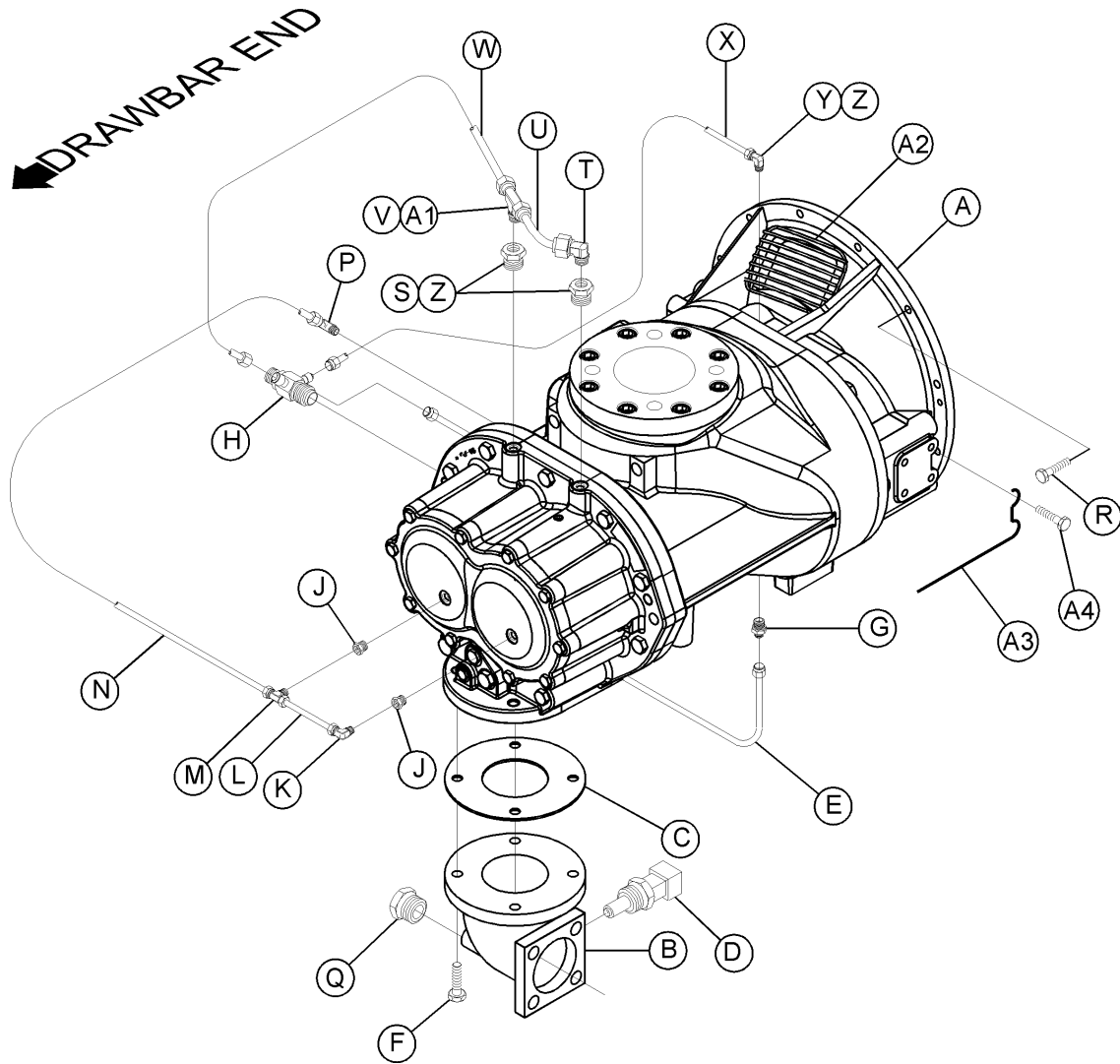
Airend Piping



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36084184	Airend Assembly	1	P425
	36084168	Airend Assembly	1	XP375
	36083970	Airend Assembly	1	HP350
B	22247340	Elbow, Discharge	1	
C	35575570	Gasket	1	
D	36898922	Sensor, Temperature	1	
E	22189609	Tube, Front Bearing Oil Supply	1	
F	35375385	Screw, Hex M16-2.0 X 40	4	
G	95402806	Adapter, 7/16-20 X -6JIC	1	
H	36845154	Manifold, Oil	1	
J	36846095	Connector, 3/4 O-Ring X -10JIC	2	
K	35286491	Elbow, 90° SAE 7/8-14 X -10JIC	1	
L	36846111	Tube, Male Rear Scavenge	1	
M	36846129	Tee, Branch 7/8-14 X -10JIC	1	
N	36846103	Tube, Bearing Oil Scavenge	1	
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Airend Piping

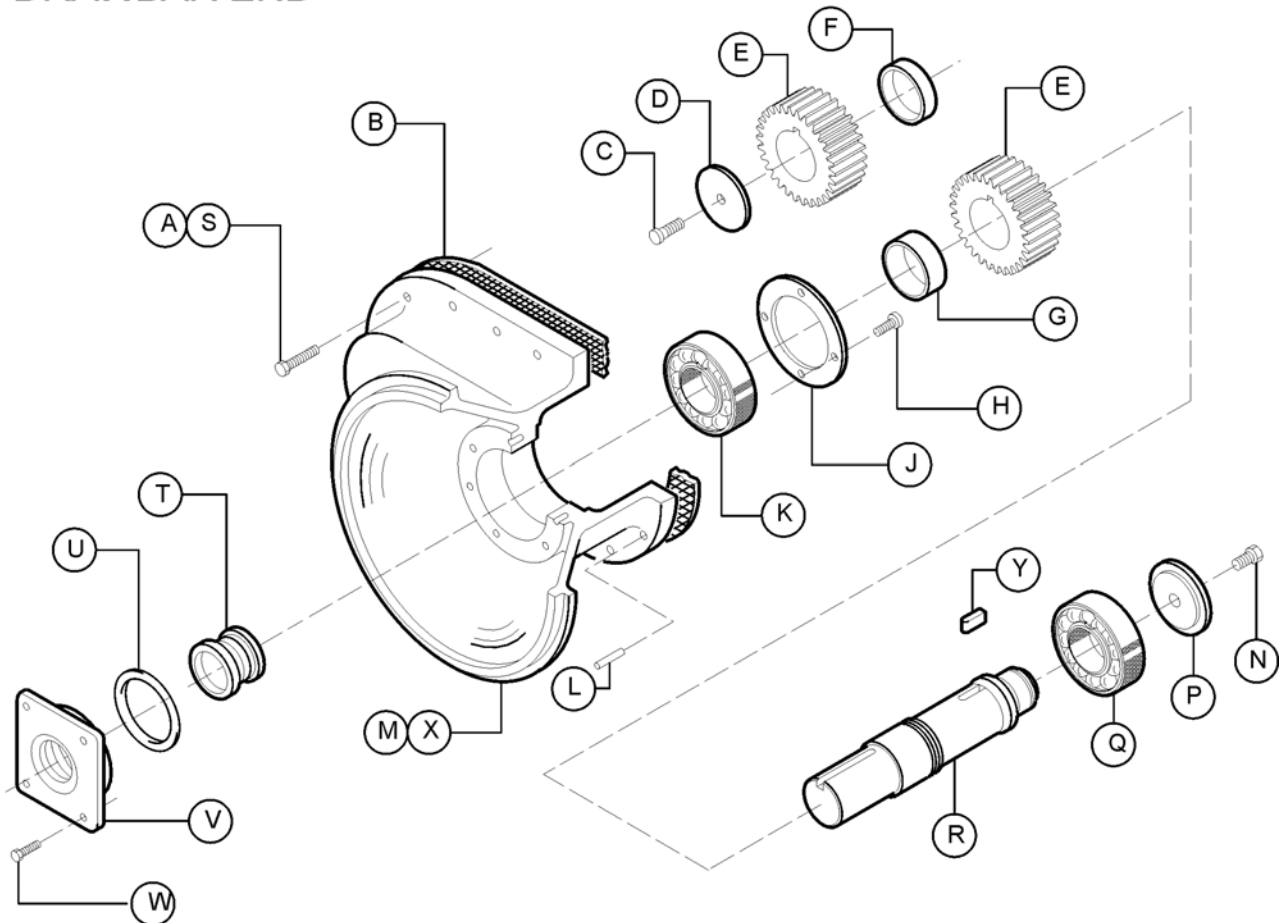


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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	35305622	Elbow, 90° SAE 3/4-16 X -10JIC	1	Continued Included w/ Item S, Y Included w/ Item V
Q	95949491	Plug, 3/4-16 O-RING	1	
R	96701917	Screw, Hex M10-1.5 X 30	12	
S	35287945	Expander, 7/16-20 X 9/16-18	2	
T	35279827	Elbow, 90° Swivel 9/16-18 X -6JIC	1	
U	36795482	Tube Assembly	1	
V	35279843	Tee, Branch 9/16-18 X -6JIC	1	
W	36846087	Tube, Bearing Oil Supply	1	
X	36846152	Tube, Front Oil Seal	1	
Y	35279884	Elbow, 45° SAE 7/16-20 X -4JIC	1	
Z	35279959	O-Ring	AR	
A1	35278571	O-Ring	AR	
A2	36798346	Guard, Gear Case	2	
A3	22983001	Support, Wire Harness	1	
A4	36879492	Screw, Hex Flange M12-1.75 X 25	2	

Alirend Gear Case

➡ DRAWBAR END

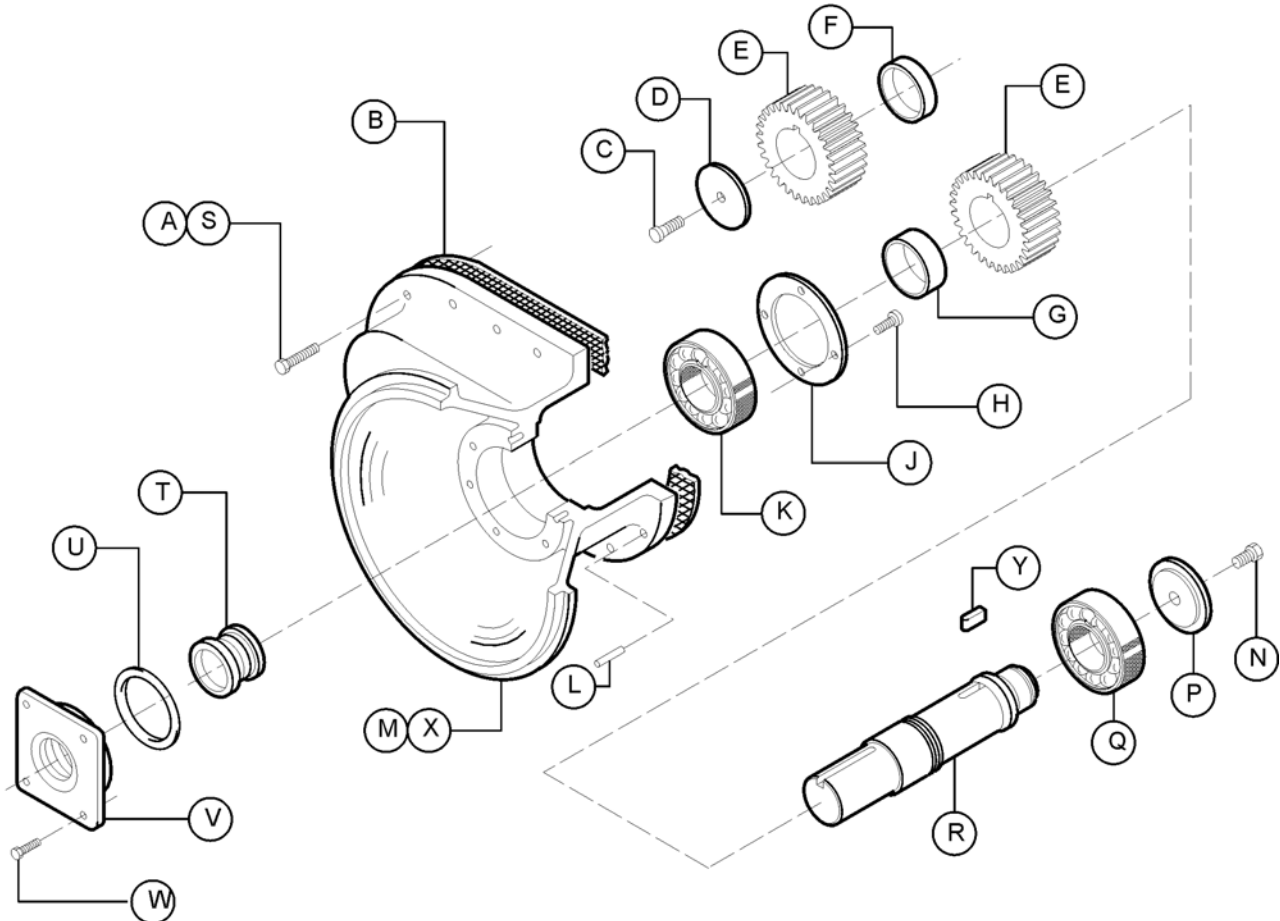


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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96716162	Screw, Socket Head M16-2.0 X 40	8	
B	39437637	Gasket	1	
C	35108372	Screw, Hex Head 1/2-13 X 1.25"	1	
D	35255827	Plate, Clamp	1	
E	22377949	Gear Set	1	P425
	22378004	Gear Set	1	XP375
	22386510	Gear Set	1	HP350
F	35262716	Spacer	1	
G	35327626	Spacer, Bearing	1	
H	35327550	Screw, Socket Head Cap M08-1.25 X 70	4	
J	35326602	Plate, Retaining	1	
K	35327543	Bearing, Ball	1	
L	95078549	Pin, Dowel 1/2" X 1.25"	2	
				<i>Continued...</i>

Alirend Gear Case

➡ DRAWBAR END

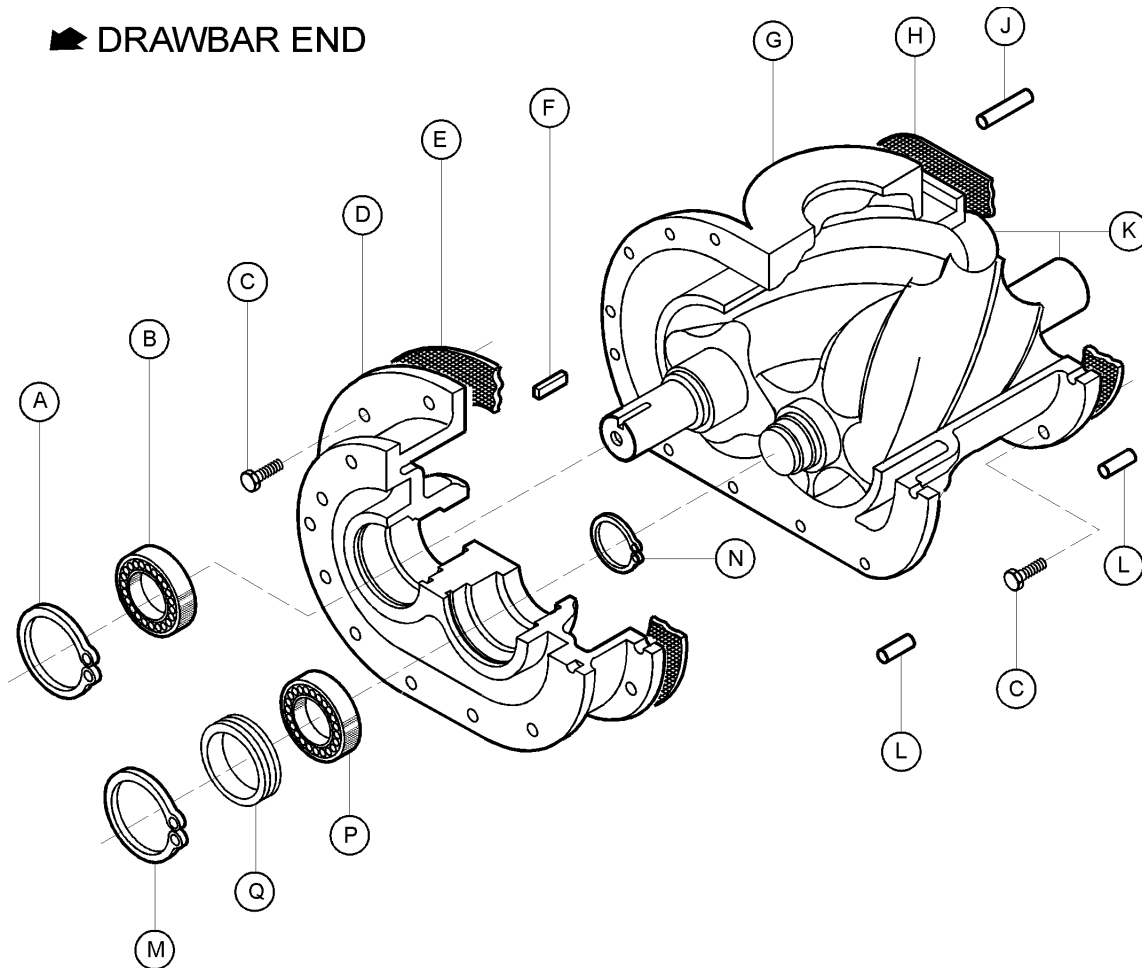


23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	36723641	Case, Gear	1	Continued
N	35336304	Screw, Socket Head Cap M10-1.5 X 25	1	
P	36764785	Cap, Guide	1	
Q	35313568	Bearing, Cylindrical Roller	1	
R	36764827	Shaft, Drive	1	
S	96704036	Screw, Hex Head M16-2.0 X 140	4	
T	35593490	Seal, Oil	1	
U	95358024	O-Ring	1	
V	35328475	Cover, Oil Seal	1	
W	96702295	Screw, Hex Head M10-1.50 X 25	4	
X	36798346	Guard, Gear Case	2	
Y	35329192	Key	1	

Airend Rotor Housing

➤ DRAWBAR END

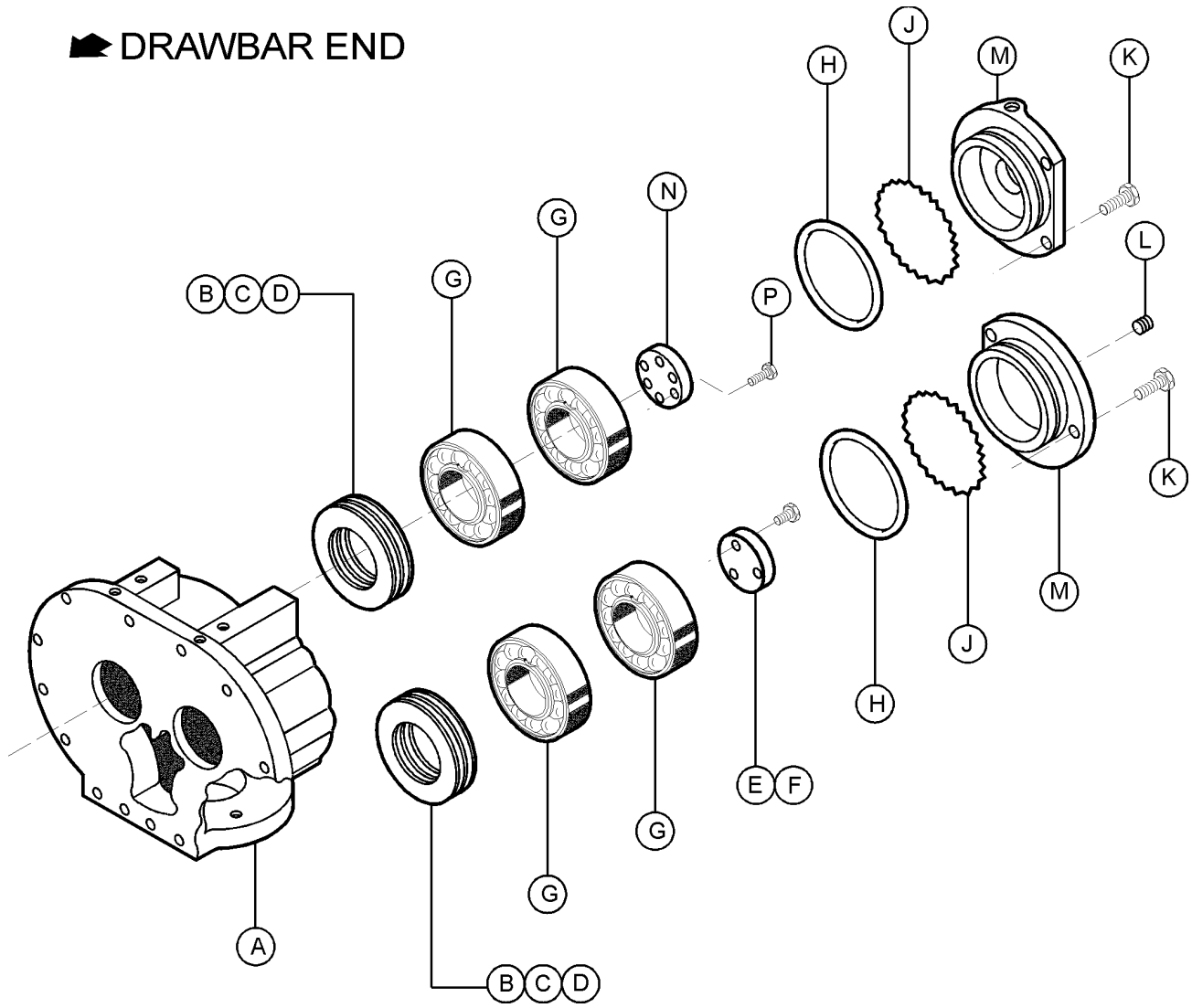


23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95223194	Ring, Snap	1	
B	35313535	Bearing, Cylindrical Roller	1	
C	96716162	Screw, Socket Head M16-2.0 X 40	25	
D	39703921	Housing, Front Bearing	1	
E	35518497	Gasket, Front Bearing Housing	1	
F	95381109	Key, 3/8" Square	1	
G	39748942	Housing, Rotor	1	
H	39437629	Gasket, Rear Bearing Housing	1	
J	95239927	Pin, Dowel 1/2" X 1.5"	2	
K	36008241	Rotor Set	1	
L	35332915	Pin, Locator	2	
M	95223178	Ring, Snap	1	
N	95223806	Ring, Snap	1	
P	35609361	Bearing, Cylindrical Roller	1	
Q	35270131	Spacer, Bearing	1	

Alirend Rear Bearing Housing

➡ DRAWBAR END

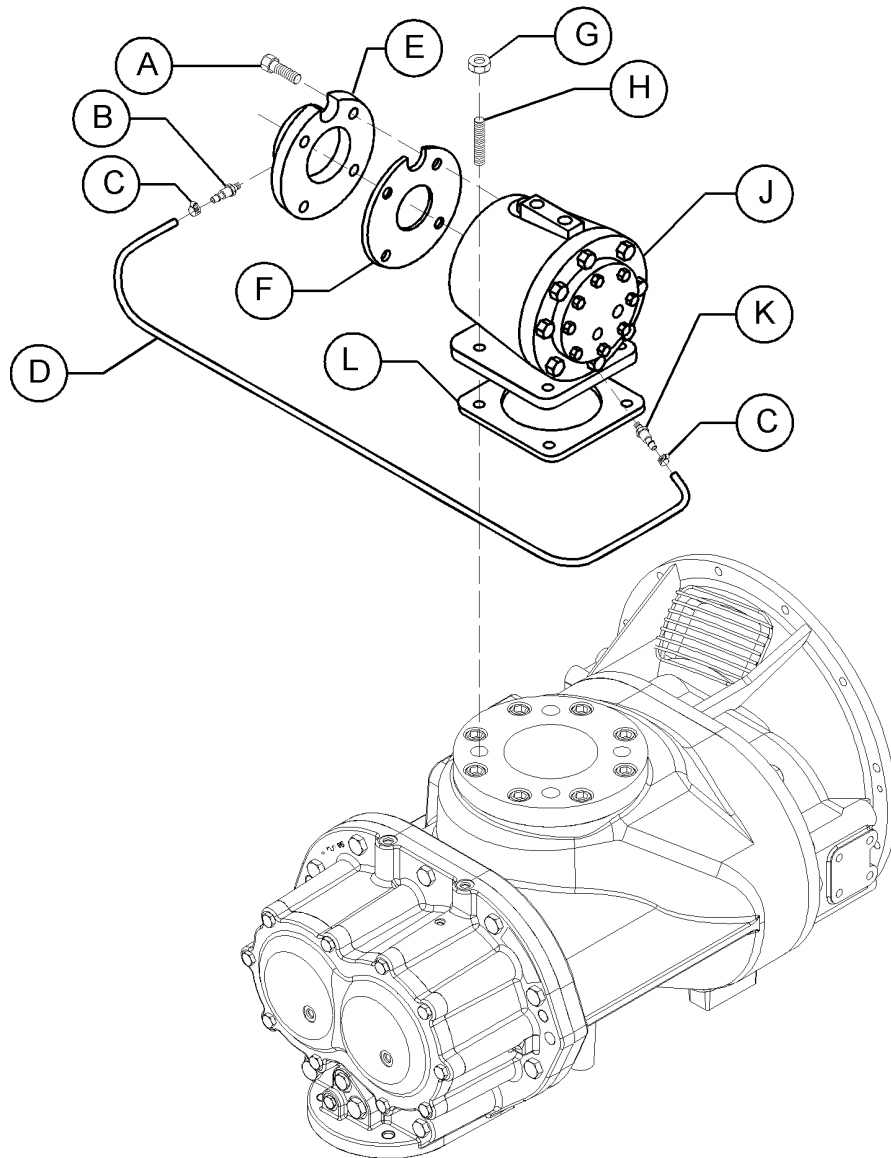


23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36769404	Housing, Rear Bearing	1	
B	35313600	Shim, .002	4	
C	35313618	Shim, .003	4	
D	35364769	Shim, .010	2	
E	35262690	Plate, Clamp	1	
F	35104108	Screw, Hex Head 3/8-16 X 1.25"	3	
G	39437595	Bearing, Tapered Roller	4	
H	95358131	O-Ring	2	
J	35354448	Shim Set	2	
K	96712187	Screw, Hex Head M12-1.75 X 30	6	
L	95938205	Plug	1	
M	36500832	Cover, Rear Bearing	2	
N	39435441	Plate, Clamp	1	
P	95494167	Screw, Hex Socket Head Cap 5/16-18 X 1.25"	8	
Q	30346662	Washer, Copper	4	

Unloader Mount

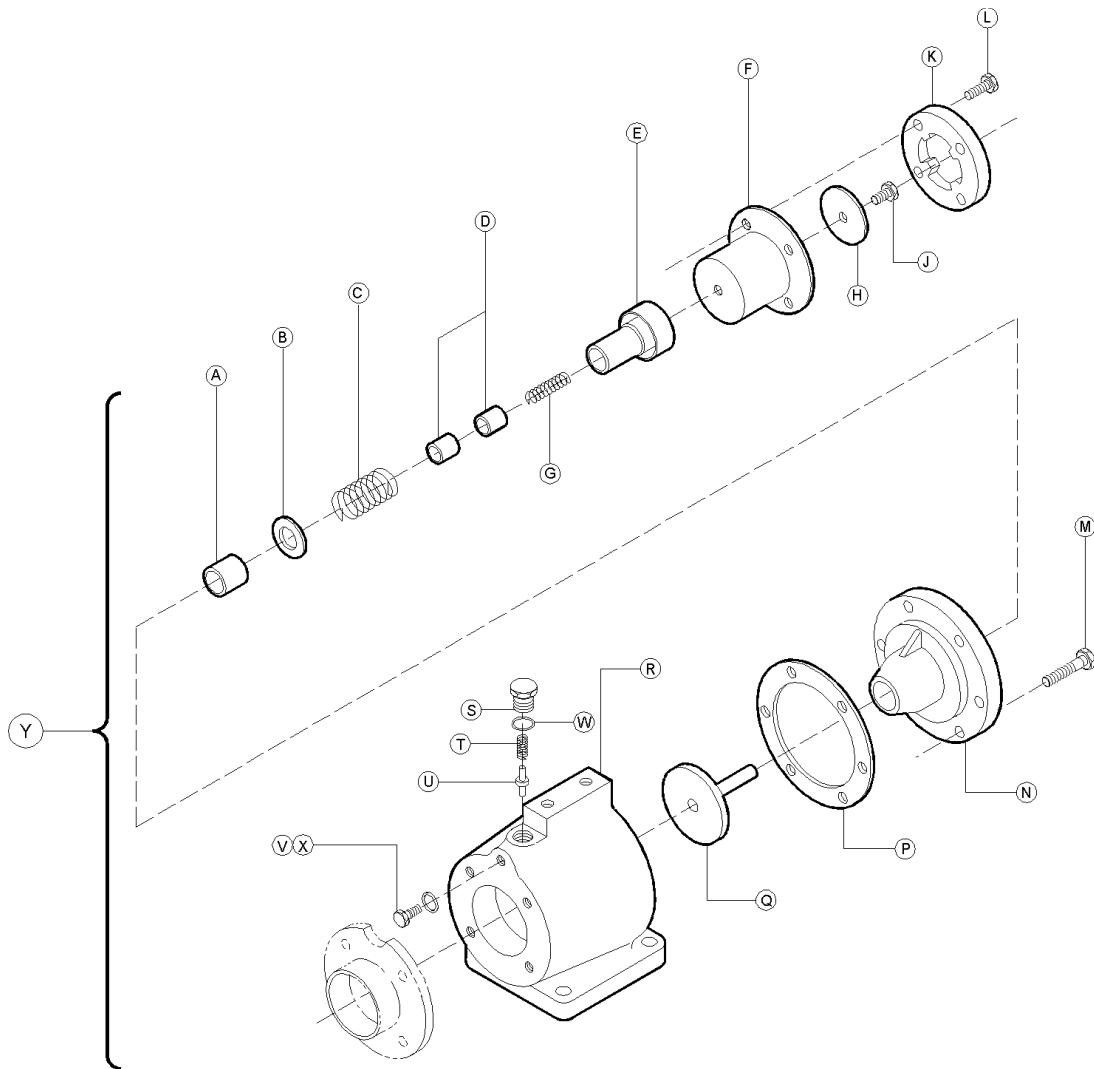
➡ **DRAWBAR END**



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702816	Screw, Hex Head M08-1.25 X 16	4	
B	35316587	Adapter, Barbed 1/8 X 1/8 NPT	1	
C	35377621	Clamp, Spring	2	
D	35282292	Tubing, Tygon 1/8" ID	14"	
E	35843168	Flange, Unloader Inlet	1	
F	35588318	Gasket, Unloader Inlet	1	
G	96701750	Nut, Hex M16-2.0	4	
H	35323450	Stud, M16-2.0 X 55	4	
J	35060631	Valve Assembly, Unloader	1	
K	35323542	Adapter, Unloader	1	
L	35589589	Gasket, Unloader to Airend	1	

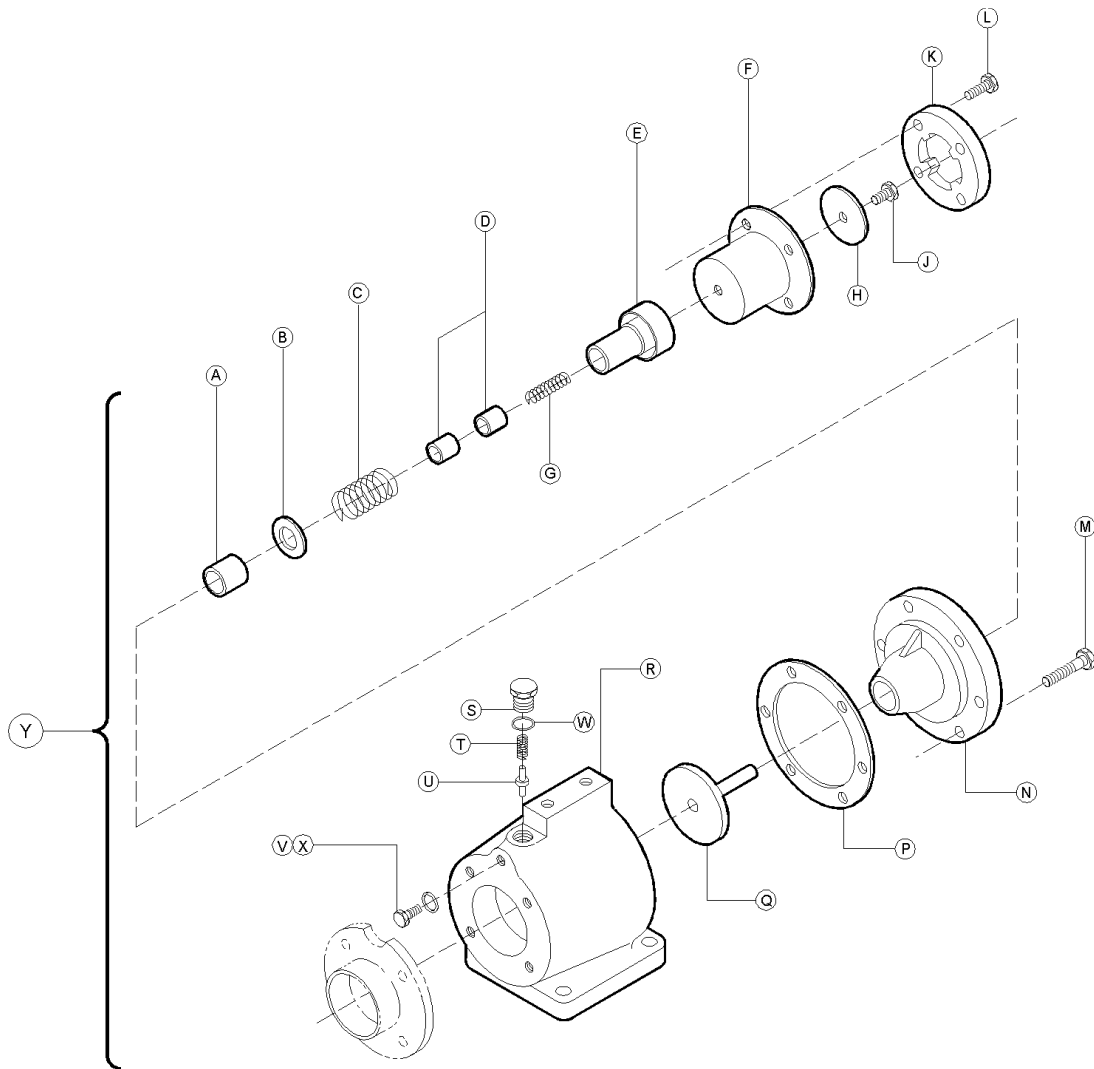
Unloader Assembly



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35318013	Bushing, Housing	1	<i>Continued...</i>
B	35317205	Washer, Piston 43mm	1	
C	35322767	Spring, Piston	1	
D	35318005	Bushing, Piston	2	
E	35588193	Piston, Unloader	1	
F	35317197	Diaphragm	1	
G	35321603	Spring	1	
H	35317239	Washer, Piston 64mm	1	
J	35321595	Screw, Button Head Socket Cap M10-1.5 X 16	1	
K	35836949	Cover, Piston	1	
L	35271162	Screw, Hex M08-1.25 X 30	4	
M	96702287	Screw, Hex M10-1.50 X 25	6	

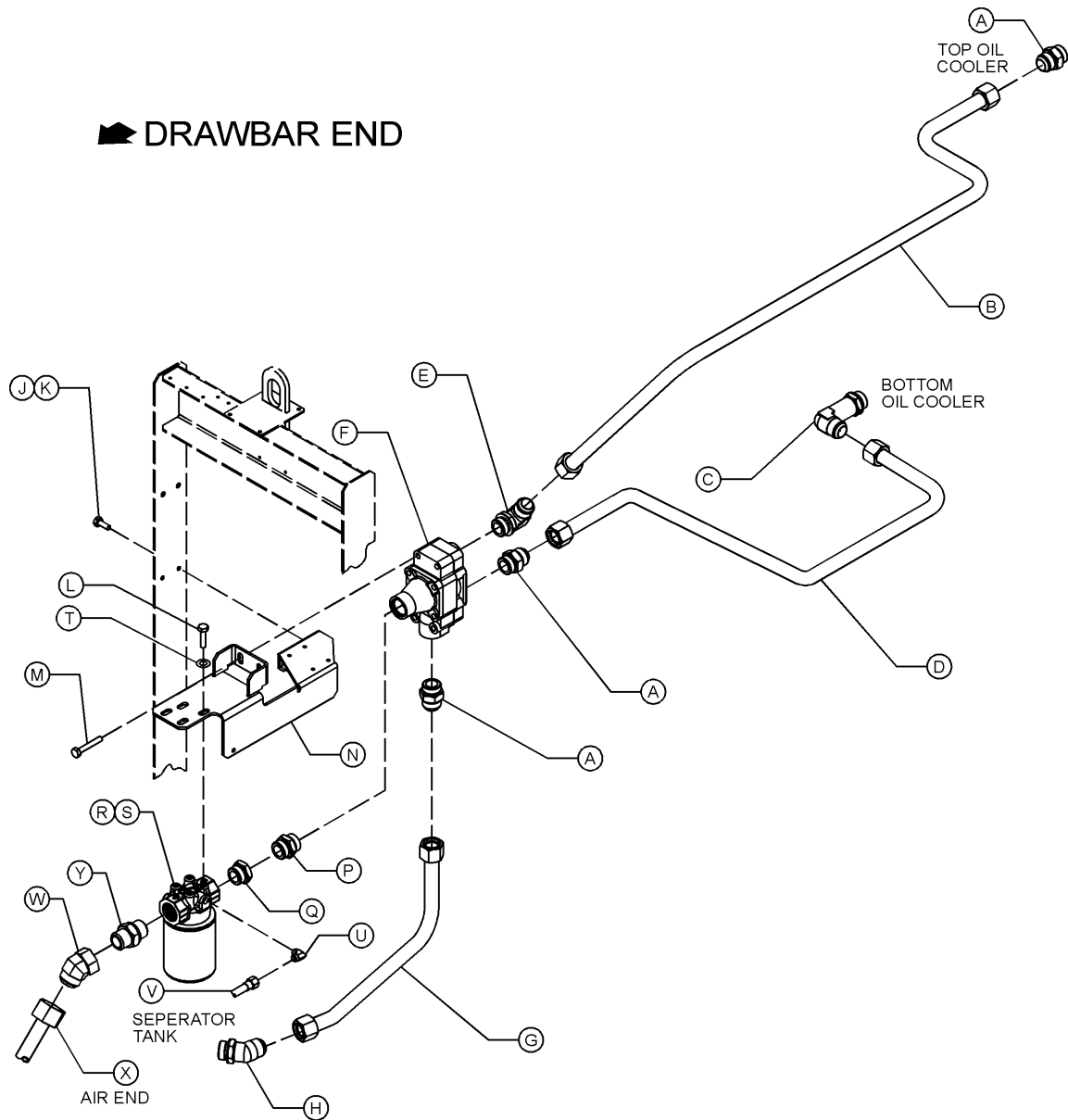
UNLOADER ASSEMBLY (cont'd)



23209257_11/07_A

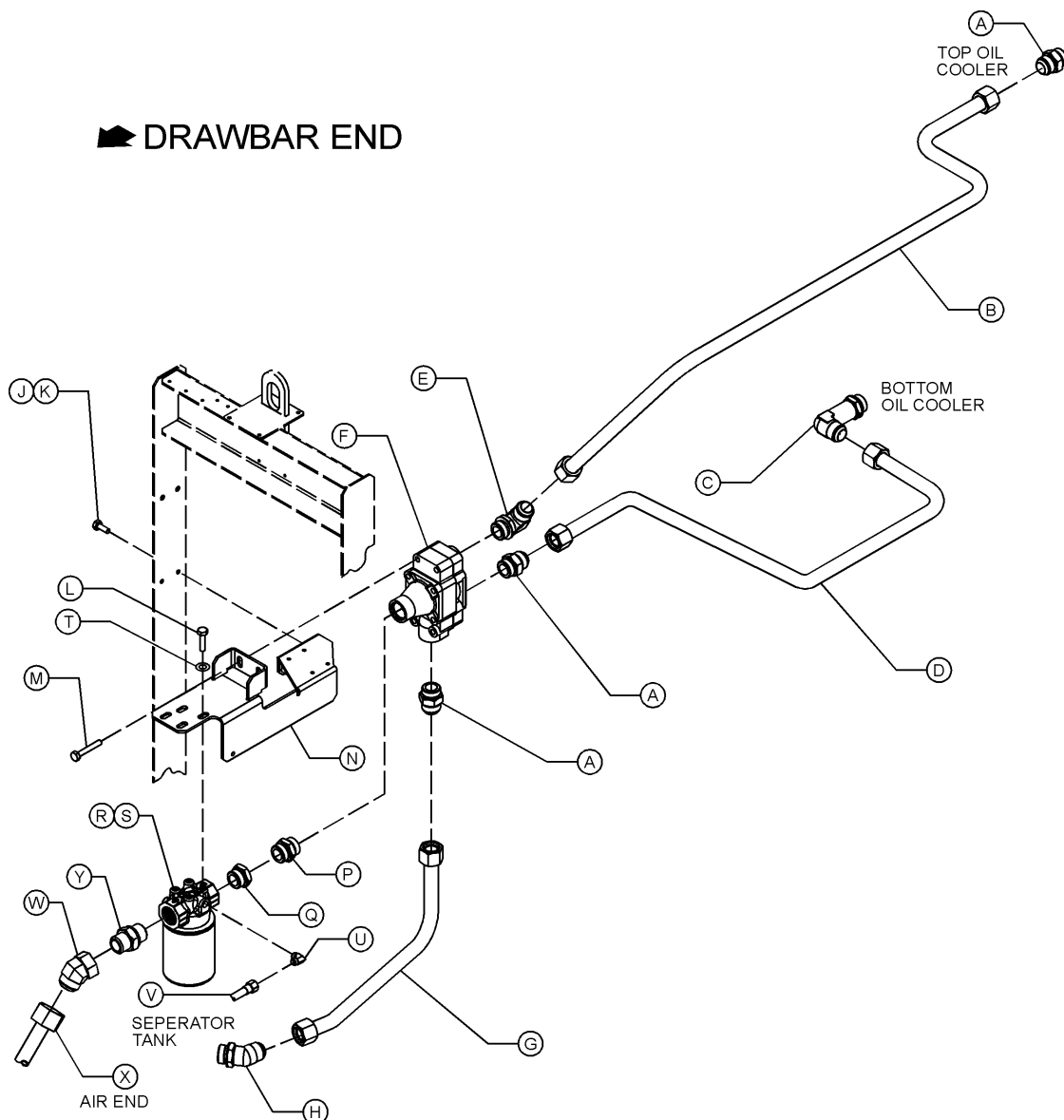
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	35833227	Housing, Piston	1	 <i>Continued</i>
P	35588300	Gasket, Piston	1	
Q	35591122	Valve, Unloader	1	
R	36718427	Body, Unloader	1	
S	35278555	Plug, Hex Head	1	
T	35318914	Spring, Unloader Pin	1	
U	35317213	Pin, Unloader	1	
V	35289057	Plug, Hex	1	
W	35278589	O Ring	1	
X	35279959	O-Ring	1	
Y	35060631	Valve Assembly, Unloader	1	Includes all items above

OTBV / Oil Filter Mounting



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95955993	Connector, 1.31-12 SAE to 1.31-12 Tube	3	<i>Continued...</i>
B	22915284	Tube, Top Oil Cooler	1	
C	95992848	Elbow, 90° Long 1.31-12 SAE	1	
D	22915292	Tube, OTBV to Oil Cooler	1	
E	95938171	Elbow, 90° X 1.31-12 SAE	1	
F	23137953	OTBV Assembly, 1-5/16" SAE	1	
G	35227909	Hose, -16 X 25"	1	
H	95992632	Elbow, 45° X 1.31-21 SAE	1	
J	35279025	Screw, Tapping M08-1.25 X 20	2	
K	36881886	Nut, Hex Flange M08-1.25	2	
L	35252493	Screw, Locking 3/8-16 X 3/4"	2	

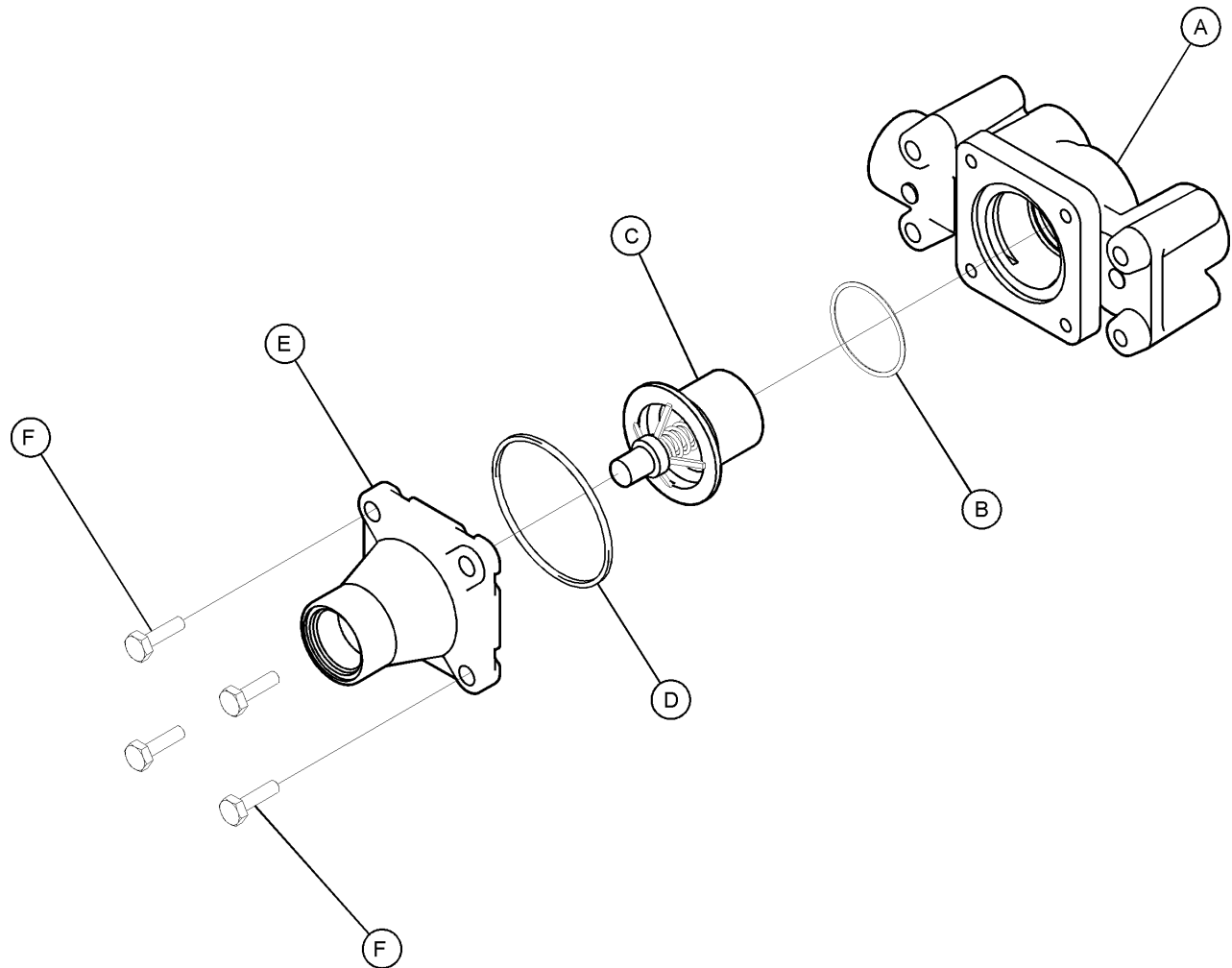
OTBV / Oil Filter Mounting



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	35288422	Screw, Hex M08-1.25 X 80	2	Continued
N	22915276	Support, Oil Filter	1	
P	95954921	Union, Straight 1.31-12 SAE	1	
Q	95954913	Reducer, 1.62-12 SAE X 1.31-12 Female SAE	1	
R	36897437	Head, Oil Filter	1	
S	36897346	Element, Oil Filter	1	
T	95935037	Washer, Flat	2	
U	95365094	Elbow, 90° 9/16-18 X -4 JIC	1	
V	35315407	Hose Assembly, -4 JIC X 24"	1	
W	35307206	Elbow, 45° Swivel -16 JIC X 1" Tube	1	
X	35260371	Hose Assembly, -16 JIC X 16.5"	1	
Y	35292069	Connector, 1.62-12 X -16JIC	1	

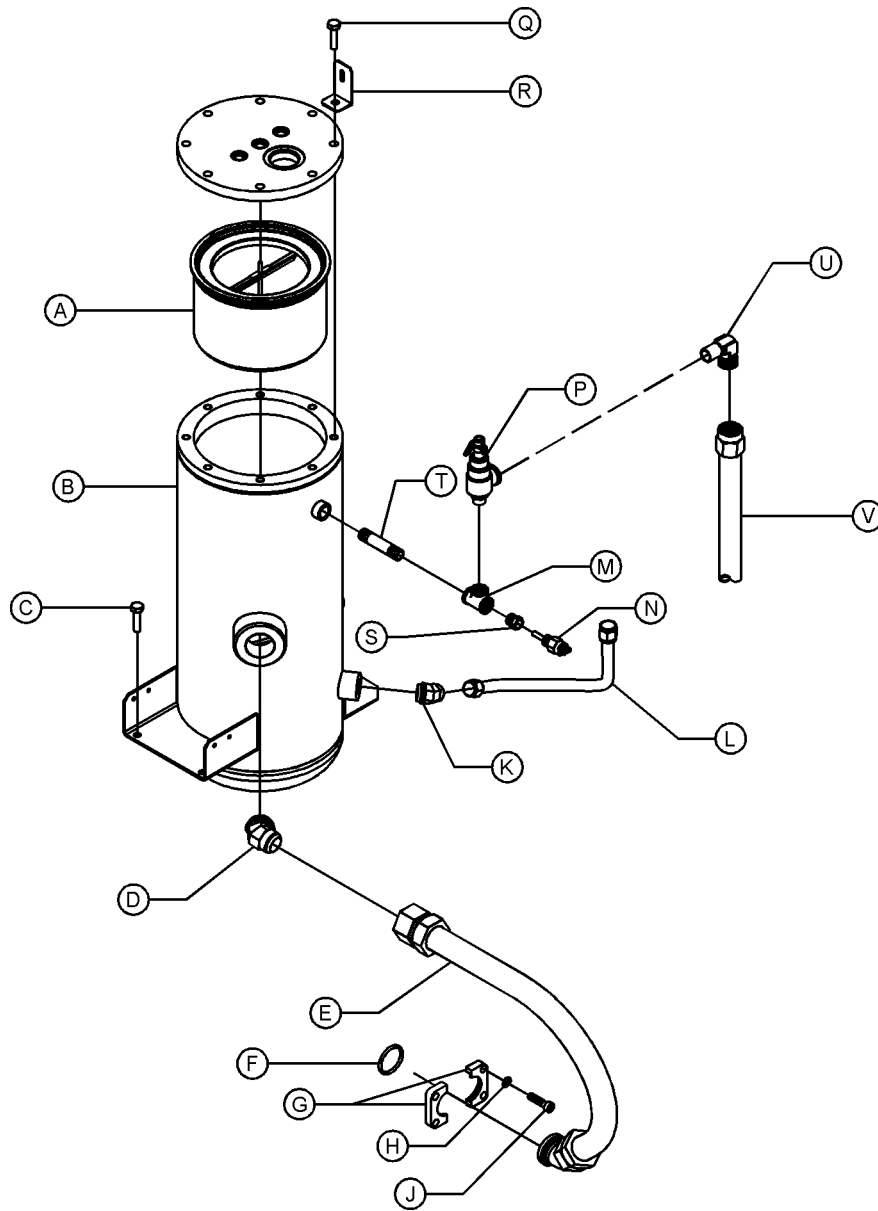
Oil Temperature Bypass Valve



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23137821	Housing, OTBV	1	
B	36788172	Seal, U-Type Viton	1	
C	36782019	Element, 125° -145° F	1	
D	95022307	O-Ring	1	
E	36876779	Cover, OTBV	1	
F	96702659	Screw, Hex M08-1.25 X 25	4	

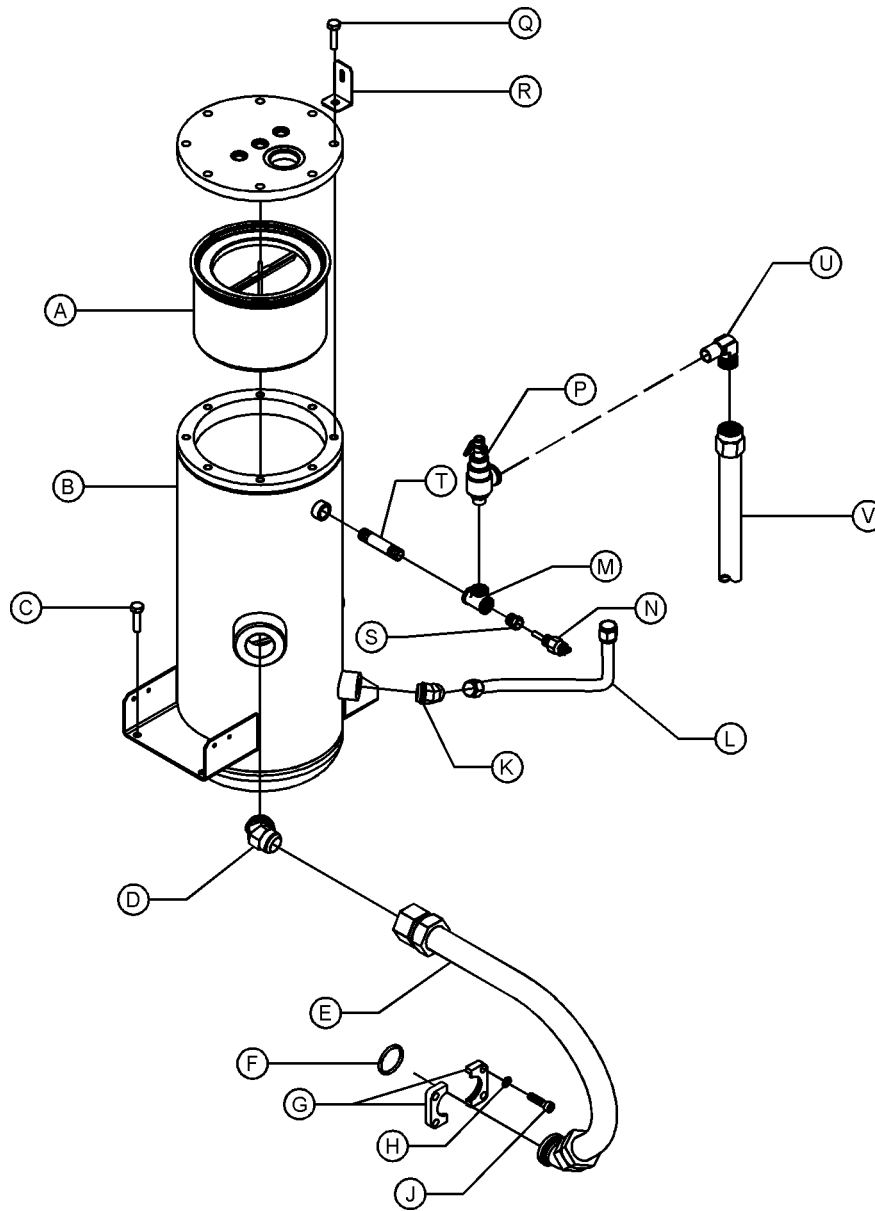
Separator Tank Mount



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22111975	Element, Separator	1	<i>Continued...</i>
B	22950406	Tank, Separator	1	
C	36888055	Screw, Hex Flange M12-1.75 X 30	4	
D	95944732	Elbow, 45° 2.50-12 SAE	1	
E	54688015	Hose, Discharge	1	
F	95357976	O-Ring	1	
G	35292143	Flange, Half	2	
H	95934683	Washer, Lock	4	
J	96719810	Screw, Hex M14-2.0 X 40	4	
K	95992632	Elbow, 45° X 1.31-21 SAE	1	
L	35227909	Hose, -16 X 25"	1	

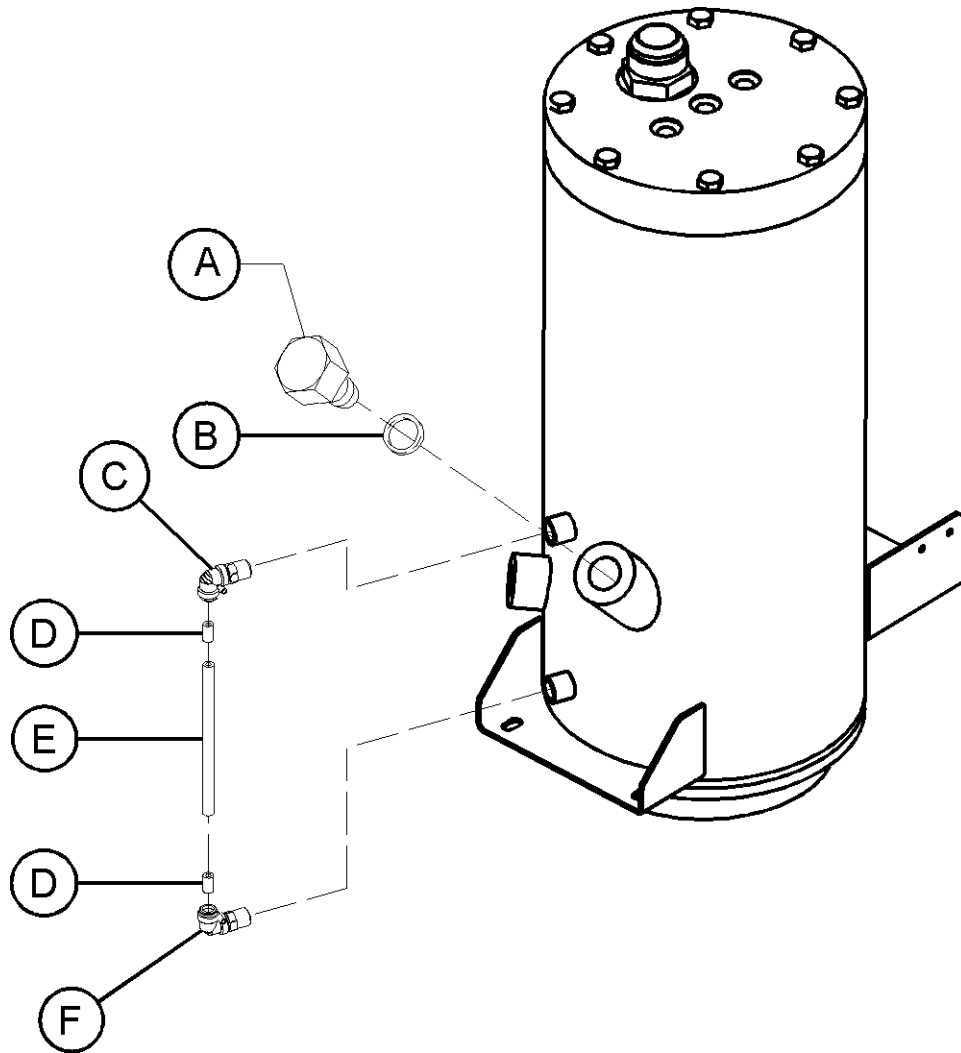
Separator Tank Mount



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	95954210	Tee, 3/4" NPT	1	Continued P425 HP350, XP375
N	36898922	Sensor, Temperature	1	
P	54731435	Valve, Safety 150 PSI	1	
	54731443	Valve, Safety 200 PSI	1	
Q	96727557	Screw, Hex Flange M16 X 60	8	
R	36785012	Bracket, Separator Tank Lift	2	
S	95952248	Bushing, Reducing 1/2" NPT X 3/8" NPT	1	
T	95928040	Nipple, Closed 3/4" NPT X 1.38"	1	
U	95279410	Elbow, 90° 1" NPT X -16 JIC	1	
V	22060073	Tube, Discharge	1	

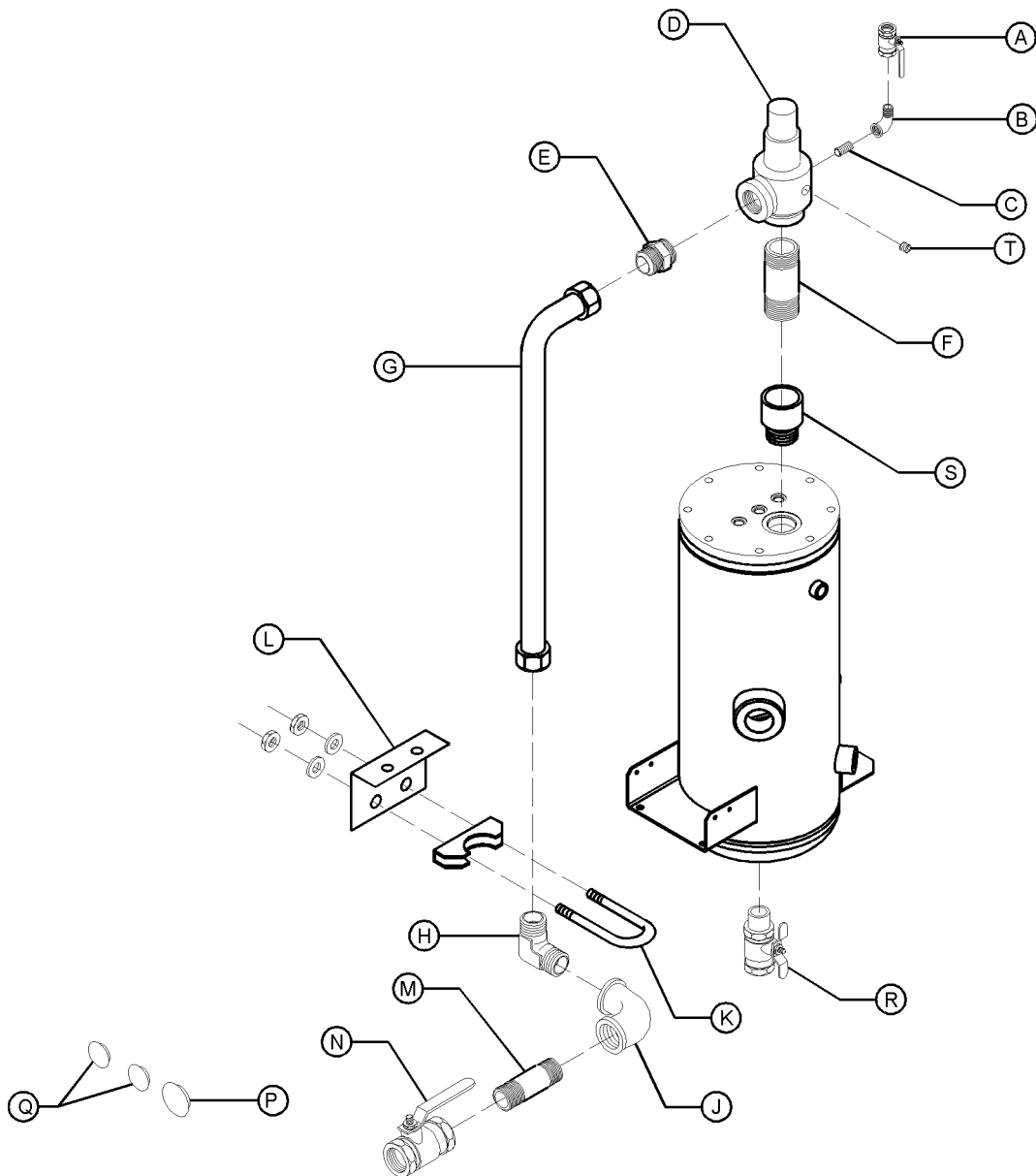
Separator Tank Filler



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35579630	Plug, Hex 1.62-12"	1	
B	35279942	O-Ring	1	
C	22685481	Elbow, Top Compression	1	
D	22685507	Insert, 1/4" Tube	2	
E	54629464	Tube, Sight	1	
F	54627799	Elbow, Bottom Compression	1	

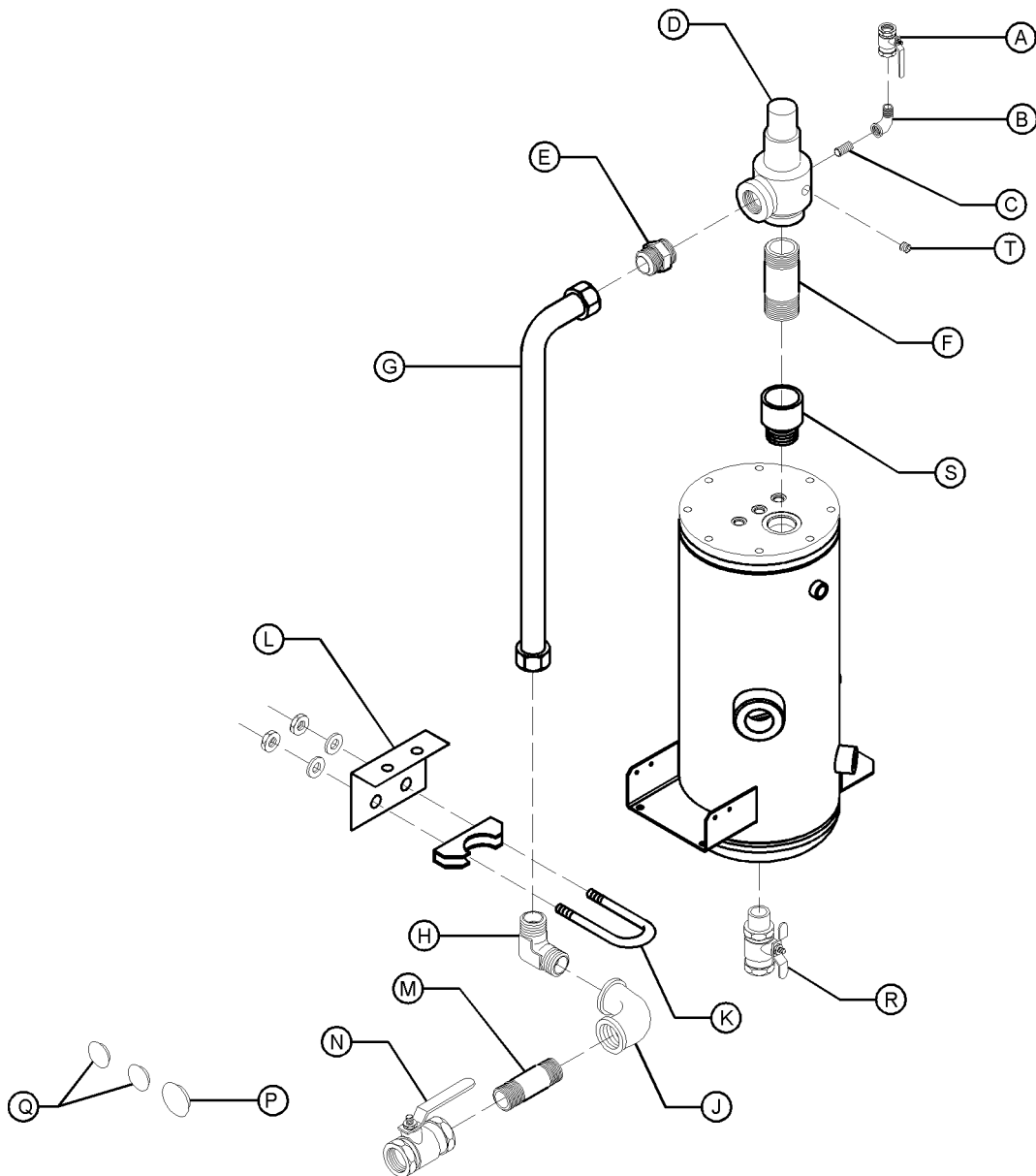
Service Air



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35576115	Valve, 3/4" NPT Ball	1	<i>Continued...</i>
B	95928172	Elbow, 90° 3/4" NPT Street	1	
C	95928040	Nipple, Closed 3/4" NPT X 1.38"	1	
D	22146641	Valve, Minimum Pressure	1	
E	95208682	Adapter, 1.50" NPT X 1.50"	1	
F	95242996	Nipple, 1.50" X 2.00" LG	1	
G	54698675	Tube, Service	1	
H	95279477	Elbow, 90° 1.5" NPT X -24 JIC	1	
J	95928024	Elbow, 90° Reducing 1.50" X 1.25"	1	
K	35209048	Clamp, Saddle	1	

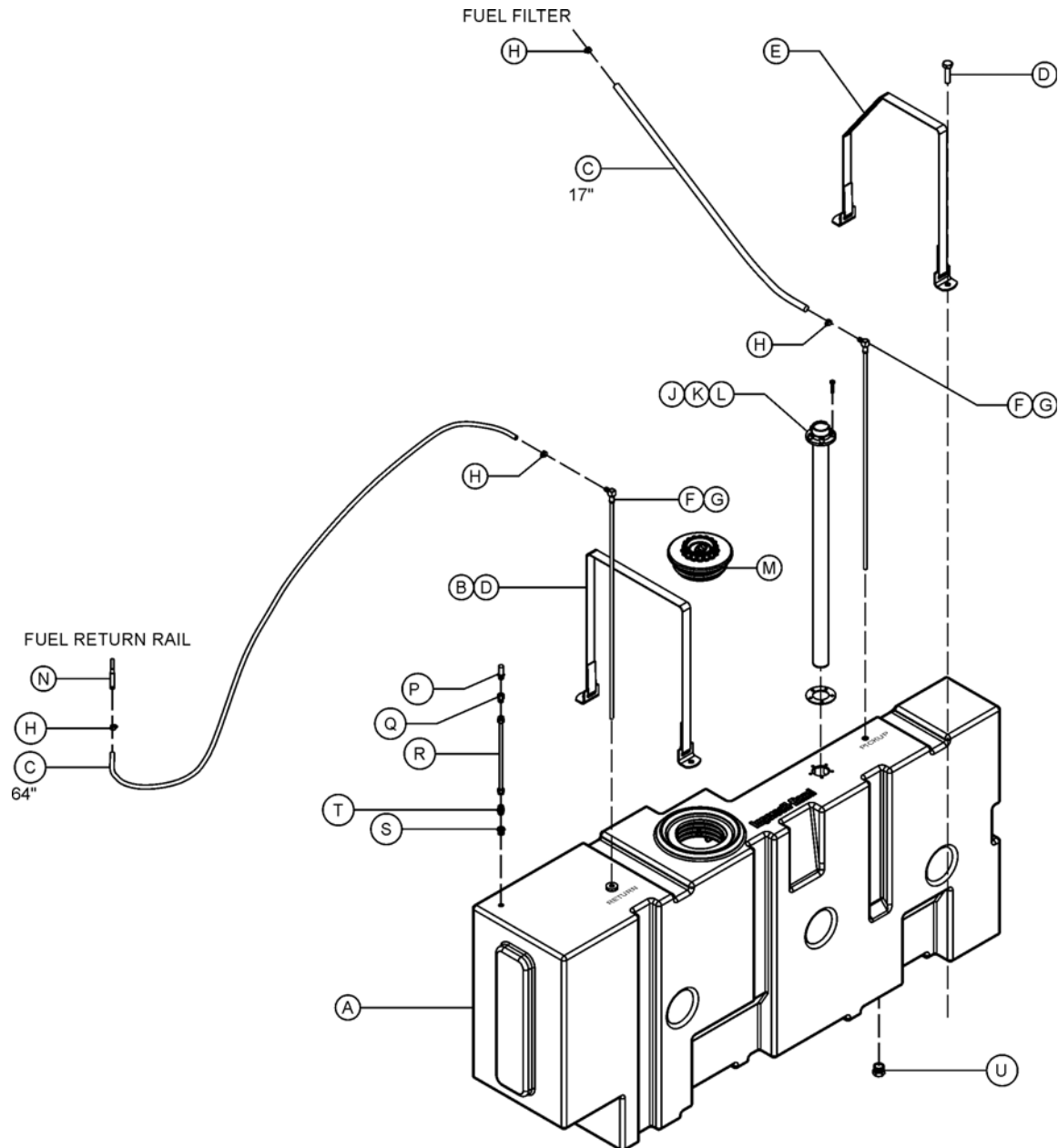
Service Air



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	54761648	Support, Service Pipe	1	Continued
M	95953758	Nipple, Pipe 1.25 "NPT X 4.5"	1	
N	35612126	Valve, Ball 1.25" NPT	1	
P	35310622	Plug, Hole 2.0"	1	
Q	35285543	Plug, Hole 1.50"	2	
R	36795680	Valve, Ball .75" NPT X 1.062-12 UNF	1	
S	95741088	Adapter, Female	1	
T	95928230	Plug, Hex Countersink 1/4" NPT	1	

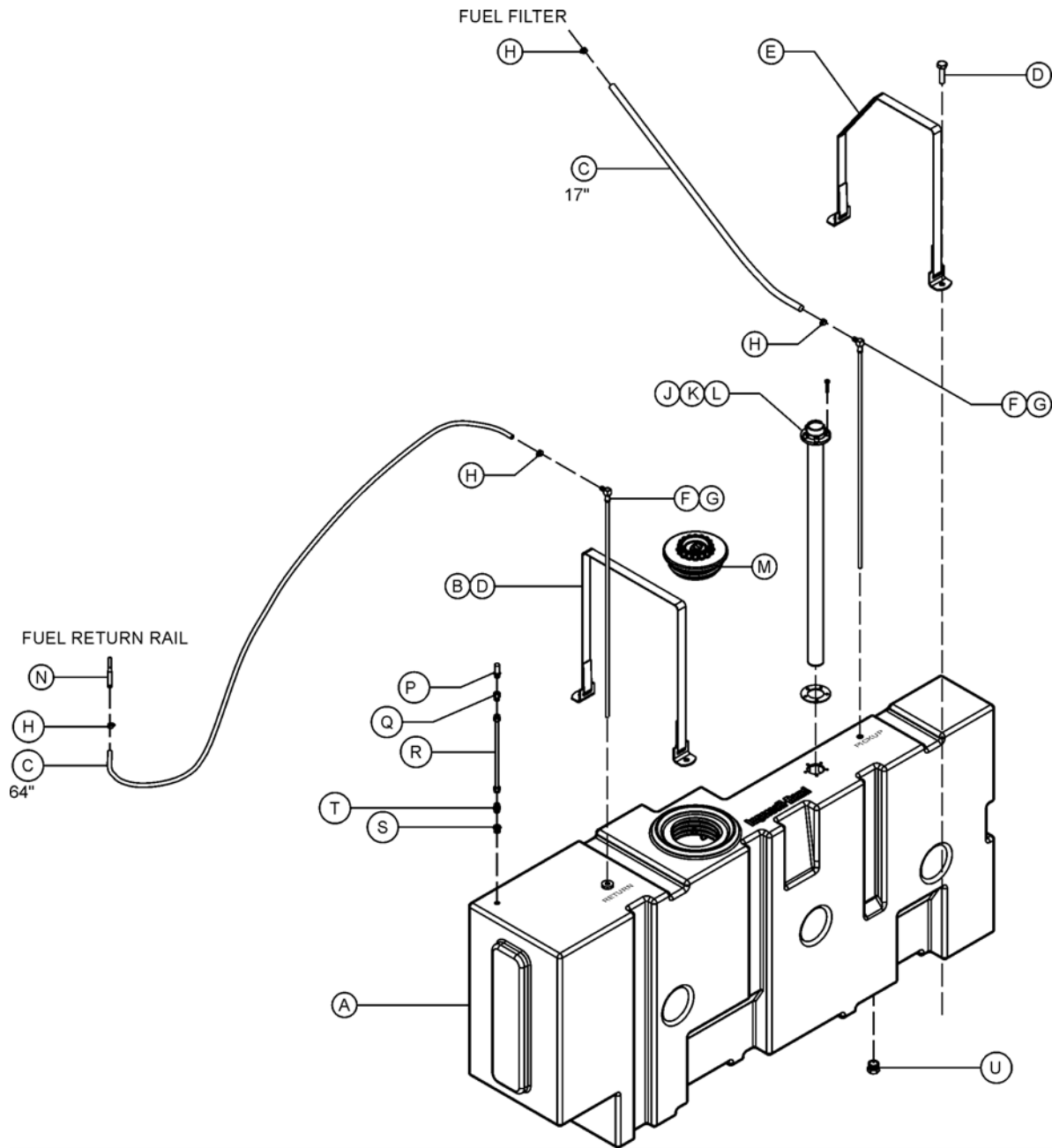
Fuel Tank



23209257_01/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54633938	Tank, Fuel	1	See Lengths Above
B	54720727	Strap, Fuel Tank	1	
C	35363498	Hose, .5/16" Fuel	~	
D	35271170	Screw, Tapping M08-1.25 X 40	4	
E	54721170	Strap, Fuel Tank	1	Included w/ Item A
F	54675863	Standpipe Assembly	2	
G	35384577	Bushing, Nitrile	2	
H	35296342	Clamp, Worm Gear	6	
J	54731427	Sender, Fuel Level	1	Continued...
K	35361849	Gasket, Fuel Sender	1	

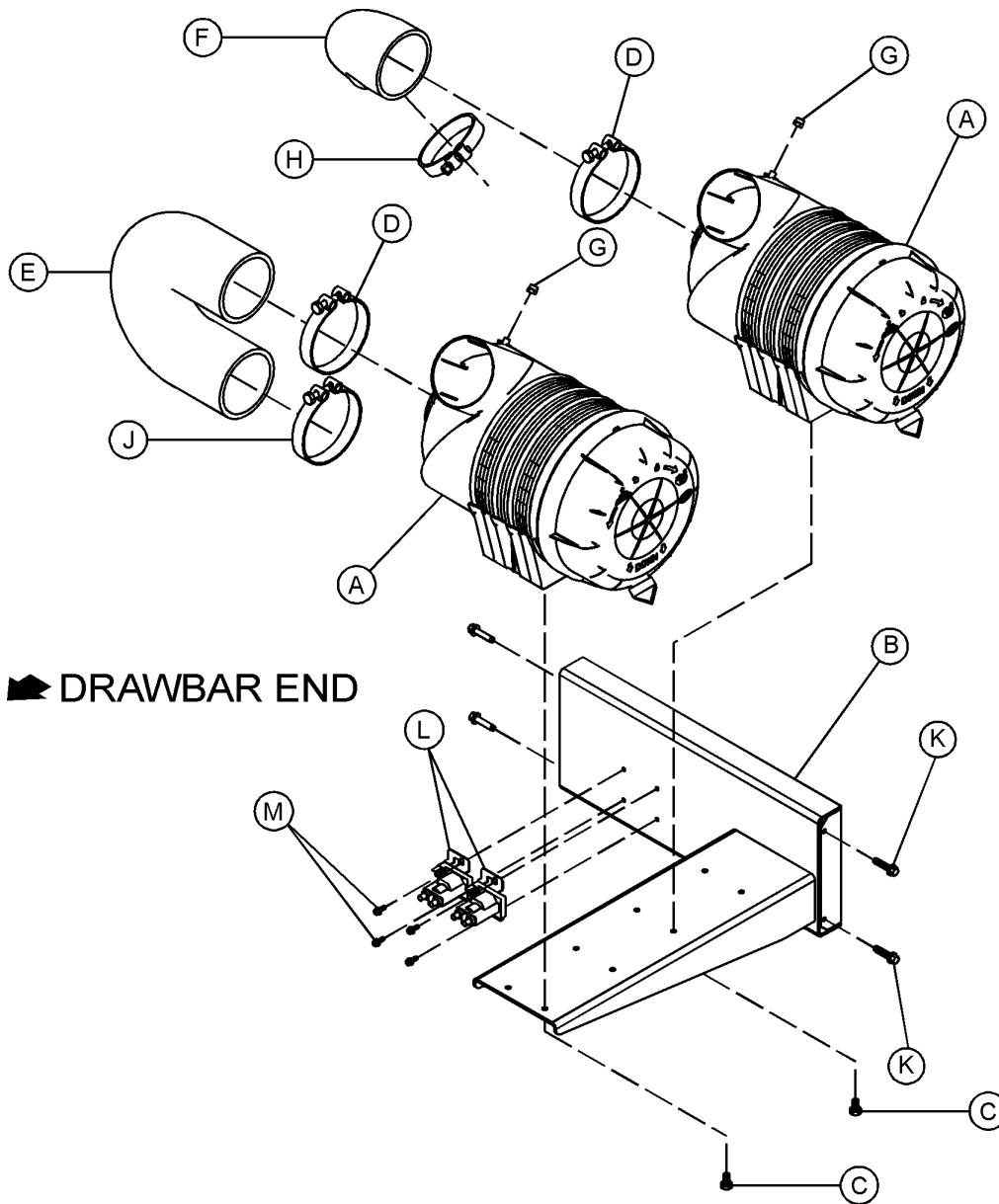
Fuel Tank



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	95916532	Screw, Fillister Head #10-32 X 1/2"	5	...Continued
M	54660089	Cap, Fuel	1	
N	36895977	Reducer, Fuel Line 5/16" X 1/4"	1	
P	35322395	Silencer, Pneumatic 1/4" NPT	1	
Q	35369339	Connector, Female 1/4" NPTF X 3/8" Tube	1	
R	35356484	Tubing, 3/8" OD Synflex	8.5	
S	95940748	Bushing, Reducing 3/8" NPT X 1/4" NPT	1	
T	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	1	
U	95280541	Plug, Hex 1.06-12 SAE	1	

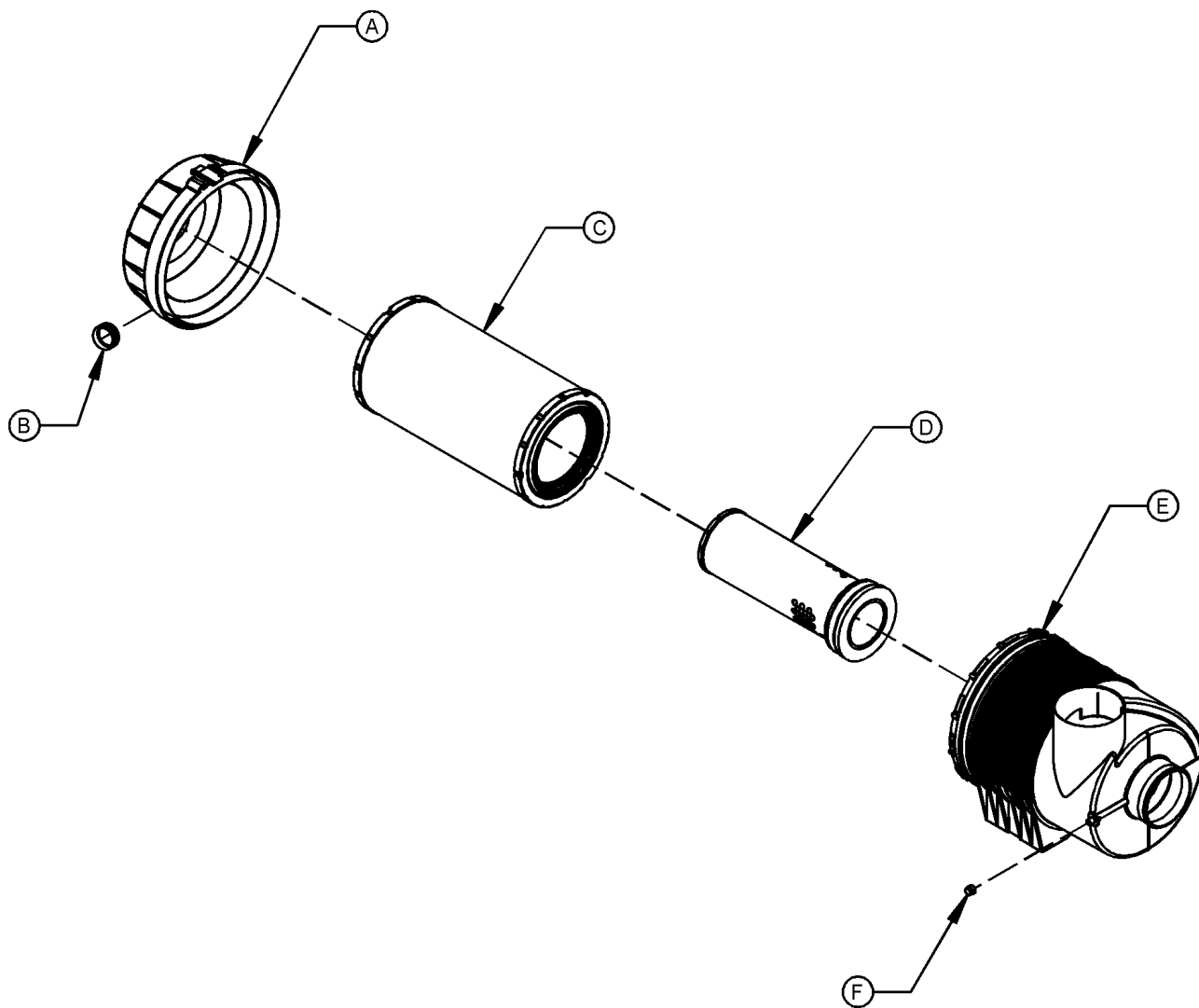
Air Cleaner Mount



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54661889	Air Cleaner Assembly	2	
B	22894703	Support, Air Cleaner	1	
C	96702816	Screw, Hex Head M08-1.25 X 16	8	
D	22067714	Clamp, T-Bolt 5.31"	2	
E	22895460	Hose, A/E Air Intake	1	
F	22895478	Hose, Engine Air Intake	1	
G	35314939	Indicator, Restriction	2	
H	35374073	Clamp, T-Bolt 3.62"	1	
J	36897668	Clamp, T-Bolt 4.75"	1	
K	35279025	Screw, Tapping M08-1.25 X 20	4	
L	36853521	Relay, 100 Amp	2	
M	36797652	Screw, Tapping M06-1.0 X 12	4	

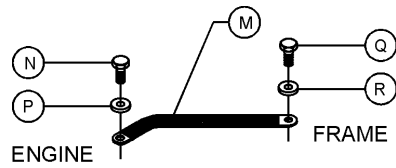
AIR CLEANER ASSEMBLY



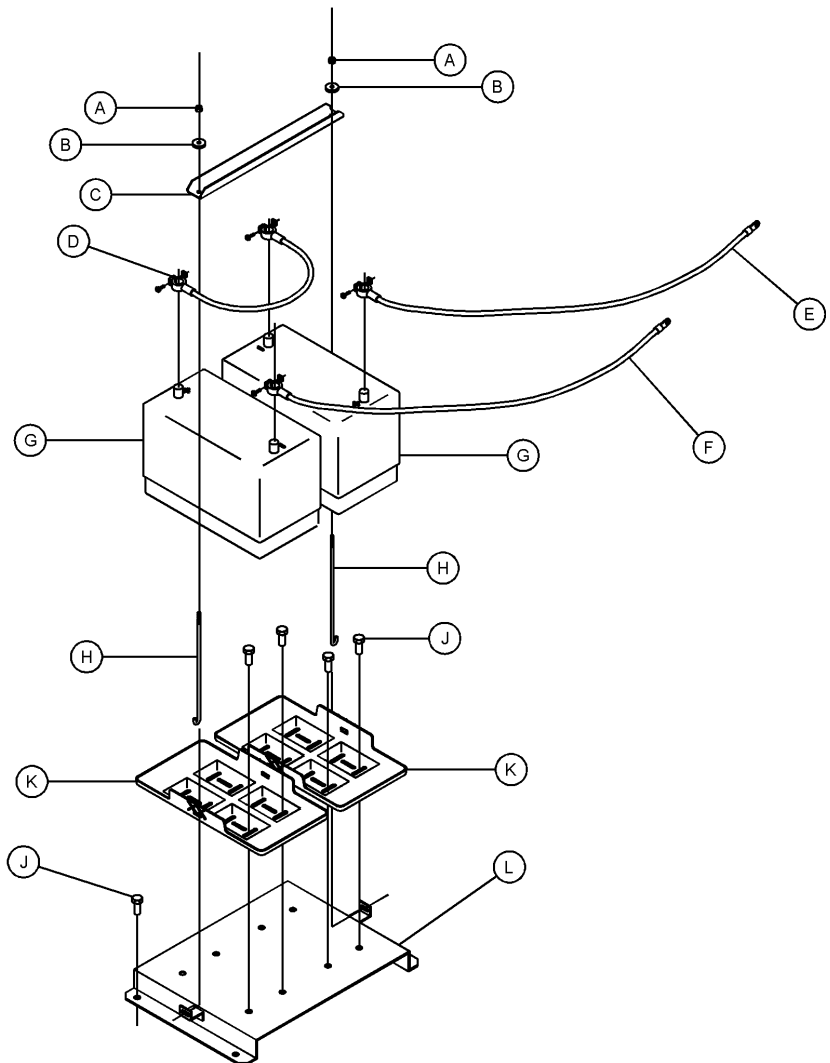
23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54692975	Cover, Air Cleaner	1	
B	35393677	Valve, Dust ejector	1	
C	54717145	Element, Primary	1	
D	54717152	Element, Safety	1	
E	54692967	Body, Air Cleaner	1	
F	35393719	Cap, Plug	1	

Battery Mount



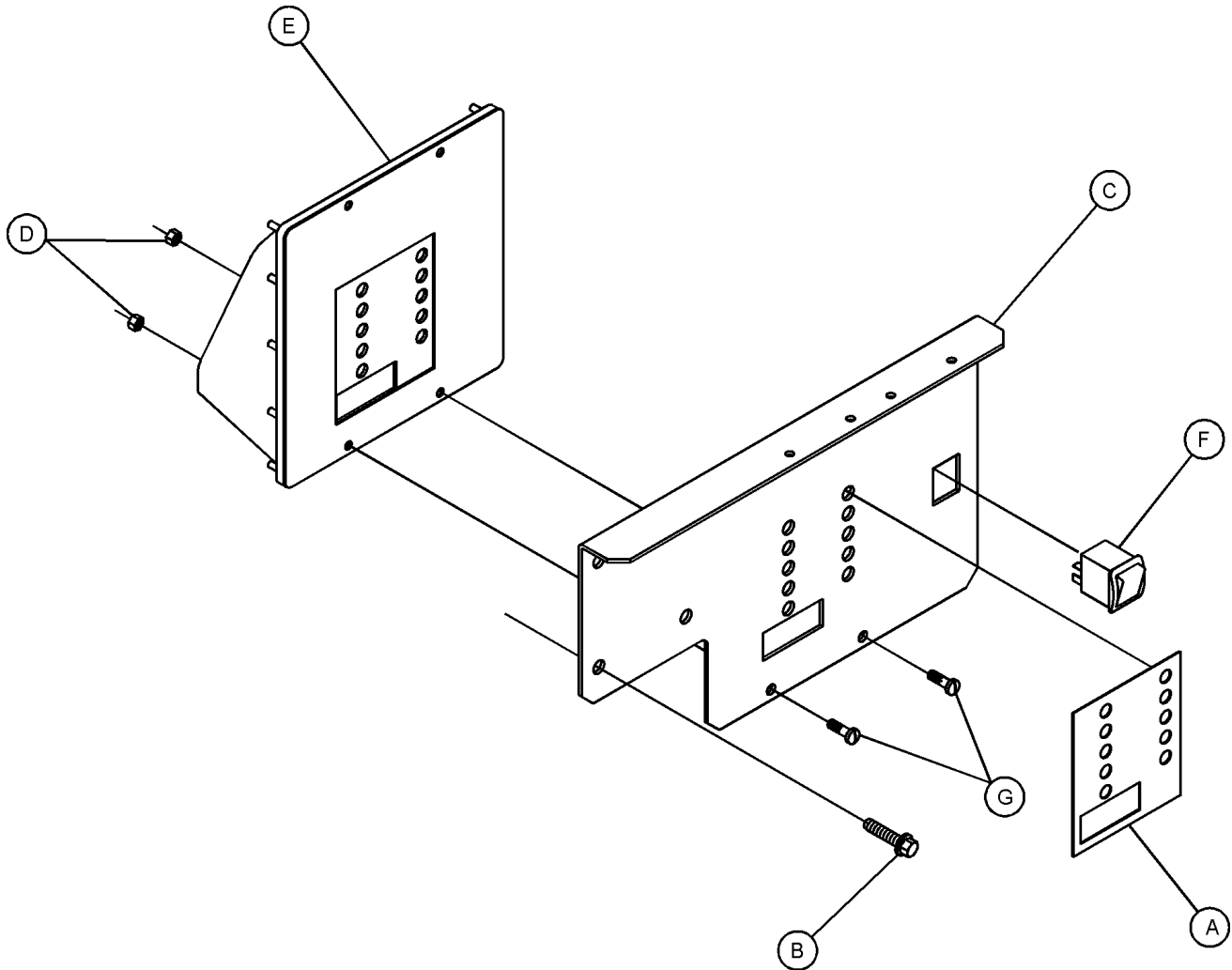
➡ DRAWBAR END



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95923298	Nut, Hex Lock 1/4-20	2	
B	36853265	Washer, Plastic 1/4"	2	
C	22431936	Hold Down, Battery	1	
D	35258789	Cable, Jumper	1	
E	35583582	Cable, Positive Battery	1	
F	35587088	Cable, Negative Battery	1	
G	36844975	Battery, 12V	2	
H	36860005	J-Bolt, 1/4-20	2	
J	36797652	Screw, Tapping M06-1.0 X 12	12	
K	36878064	Tray, Battery	2	
L	22425821	Bracket, Battery Mounting	1	
M	35578194	Strap, Ground	1	
N	96702311	Screw, Hex M12-1.75 x 30	1	
P	95935003	Washer, Flat 1/2"	1	
Q	35134550	Screw, Tapping 3/8-16 X 1"	1	
R	95934998	Washer, Flat 5/16"	1	

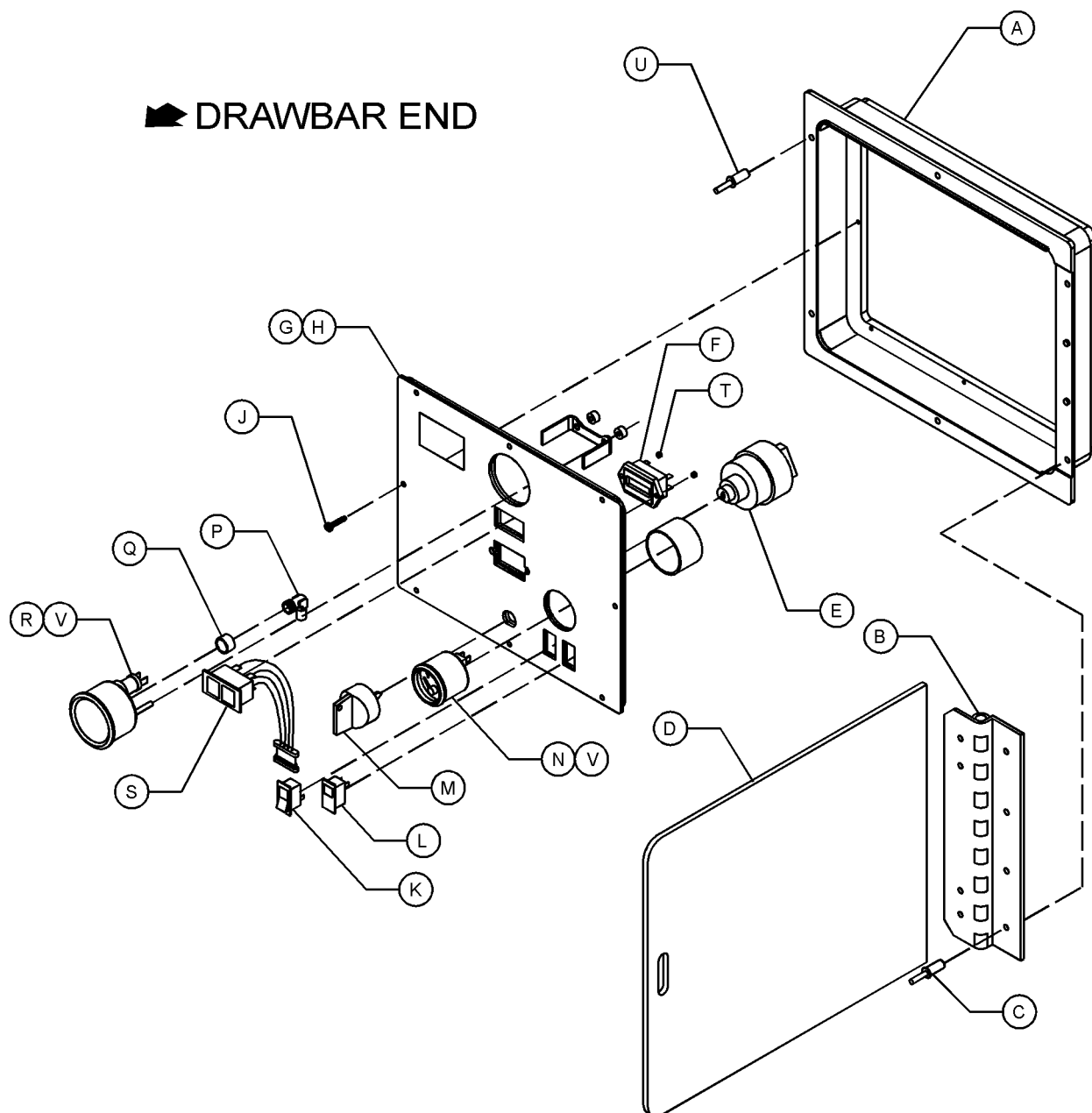
Wedge Mount



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22215354	Decal, Wedge	1	
B	35279025	Screw, Tapping M08-1.25 X 20	4	
C	22197776	Bracket, Wedge Mounting	1	
D	35375807	Nut, Hex M05-0.8	4	
E	22173579	Wedge Module	1	
F	54475777	Switch, Rocker SP Momentary	1	
G	35369446	Screw, Hex M05-0.8 X 50	4	

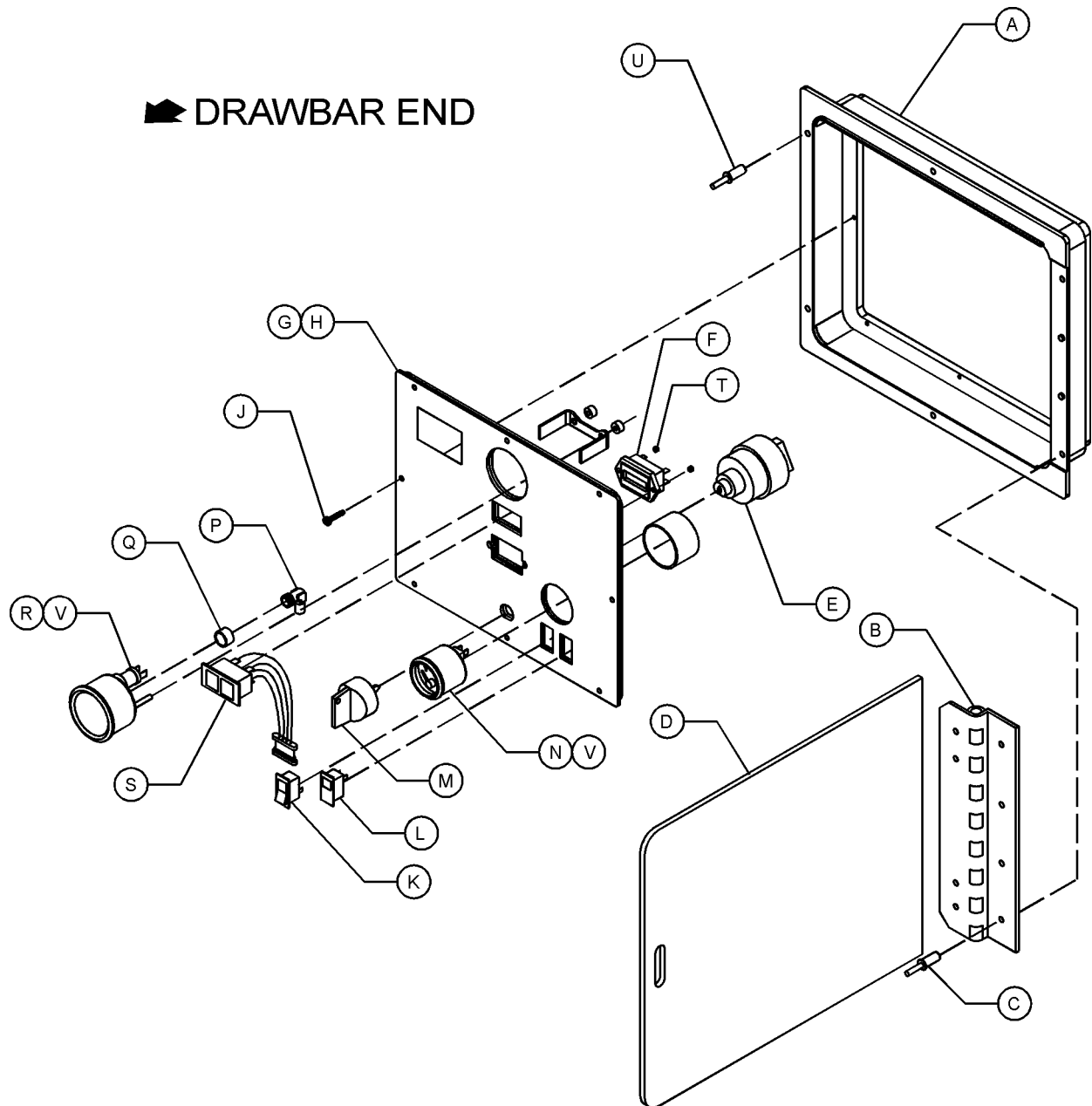
Instrument Panel



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54749601	Frame, WW Instrument Panel	1	<i>Continued...</i>
B	22107478	Hinge, Spring Control Panel	1	
C	36877587	Rivet, .19 Dia.	4	
D	54743265	Door, Control Panel	1	
E	22127385	Switch, Start	1	
F	22054175	Hourmeter	1	
G	22171680	Panel, Instrument	1	
H	22171698	Decal, WW Instrument Panel	1	
J	22070494	Screw, Plastic Tapping	8	
K	22054076	Switch, Rocker SPST Momentary	1	

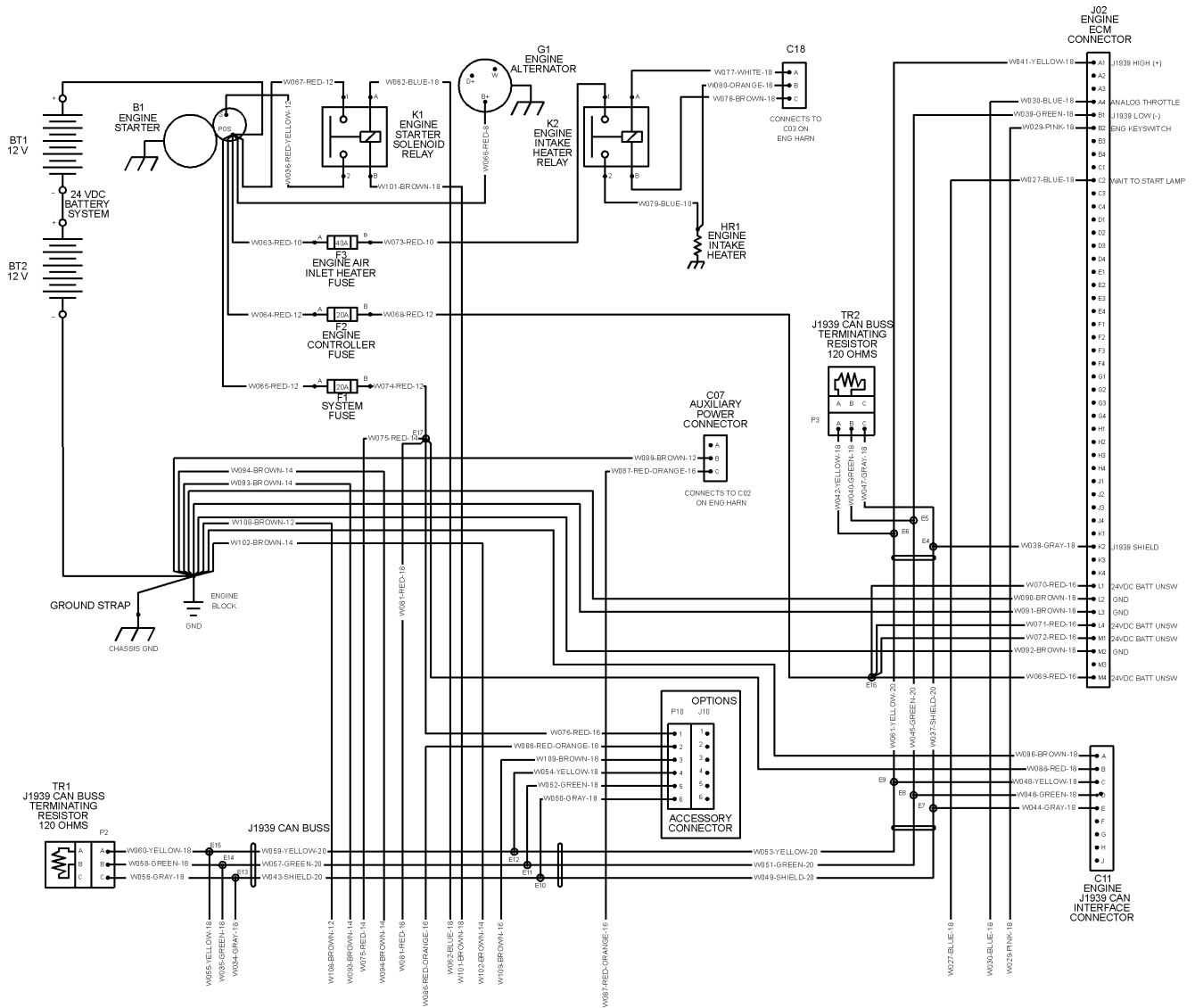
Instrument Panel



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	22050553	Light, Warning	1	Continued
M	22134118	Knob, Non-Removable Key	1	
N	22692602	Gauge, Fuel Level	1	
P	35370386	Elbow, 90° Male 1/8" NPT X 1/8" NPT	1	
Q	95935599	Coupling, 1/8" NPT X 3/4"	1	
R	36891216	Gauge, Pressure 250 PSI	1	
S	22172423	Module, 2-Light Warning	1	
T	22054159	Nut, #4-40 Plastic	2	
U	36920486	Rivet, SS .19 Dia.	4	
V	22137426	Lamp, 28V	2	

Chassis Wiring Diagram

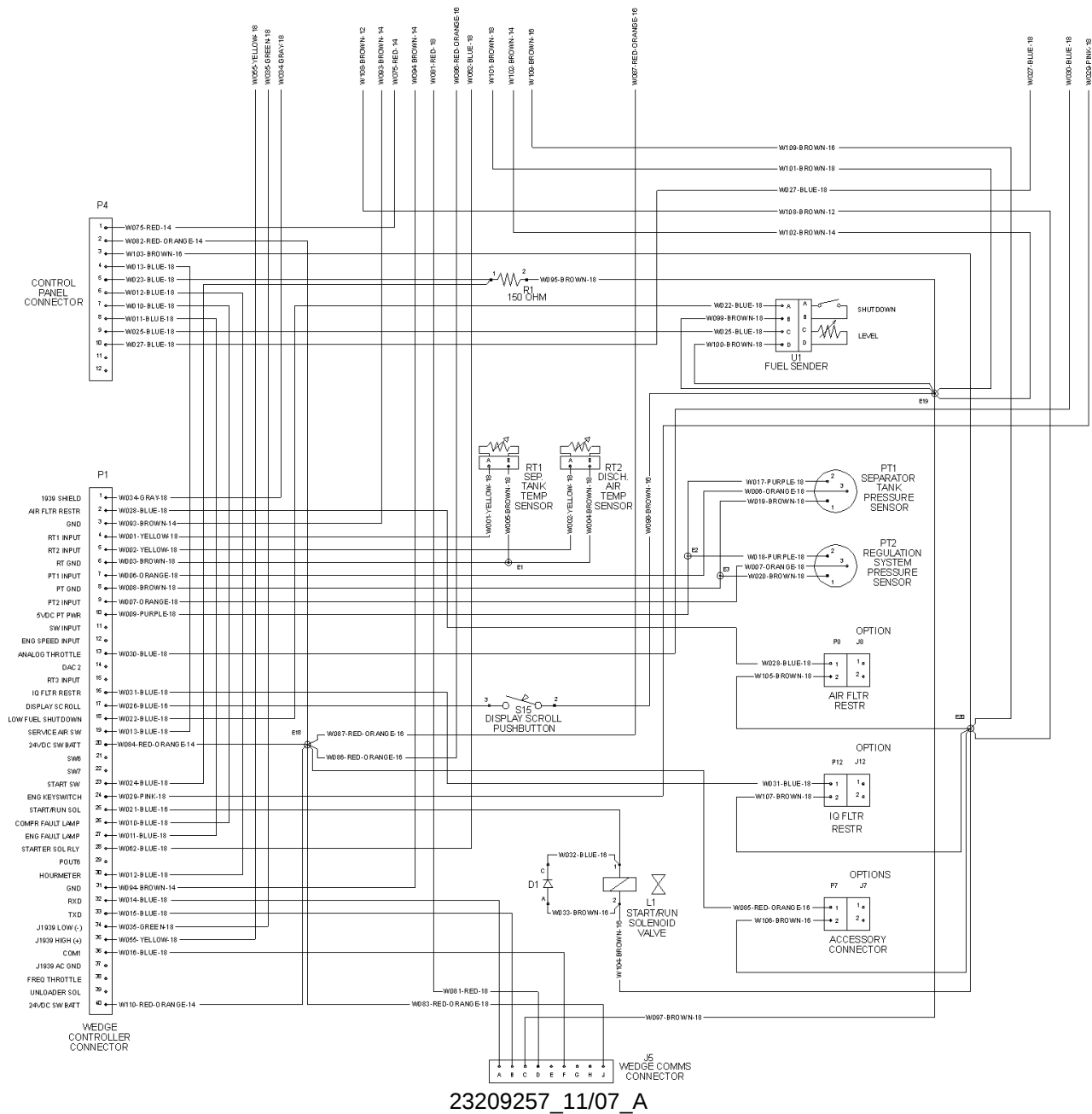


23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
B1	22206213	Starter		Starter Solenoid Intake Heater <i>Continued...</i>
BT1	36844975	Battery, 12V		
BT2	36844975	Battery, 12V		
F1	36792083	Fuse, 20A		
F2	36792083	Fuse, 20A		
F3	22986962	Fuse, 40A		
G1	22206221	Alternator		
HR1	85473999	Heater, Air Intake		
K1	36853521	Relay, Sealed 24V		
K2	36853521	Relay, Sealed 24V		
TR1	54750633	Terminator, Resistor		
TR2	54750633	Terminator, Resistor		

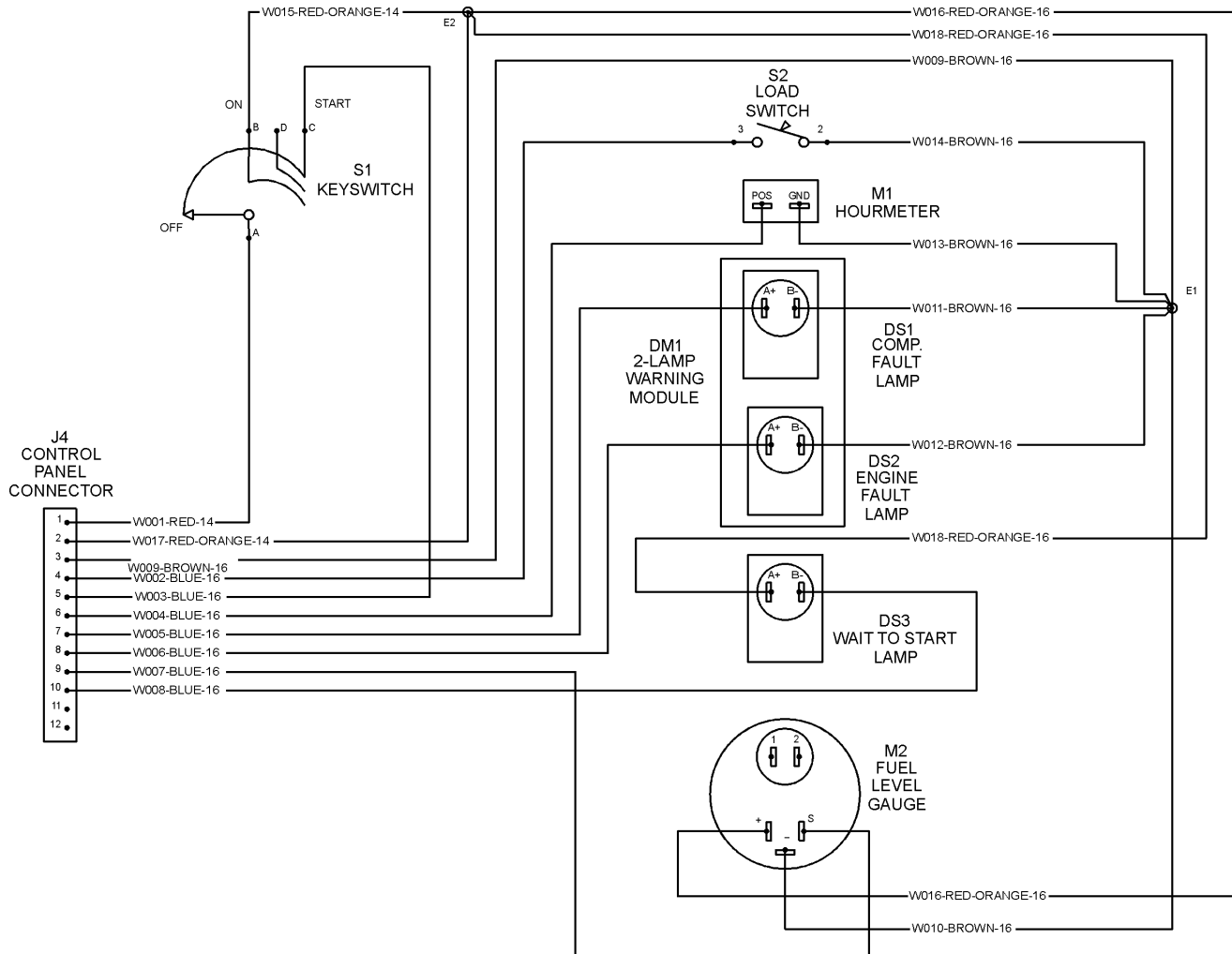
Continued...

Chassis Wiring Diagram



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
D1	35376169	Diode		Continued
L1	36840841	Valve, Solenoid 24 V 0-100 PSI		
PT1	54765946	Transducer, 0-500 PSIG		Start / Run Separator Tank Regulation System
PT2	36920825	Transducer, 0-100 PSI		
R1	~	Resistor		Separator Tank Discharge Air Scroll
RT1	36898922	Sensor, Temperature		
RT2	36898922	Sensor, Temperature		
S15	54475777	Switch, Rocker SP Momentary		
U1	54731427	Sender, Fuel Level		
W1	22969554	Harness, Chassis		

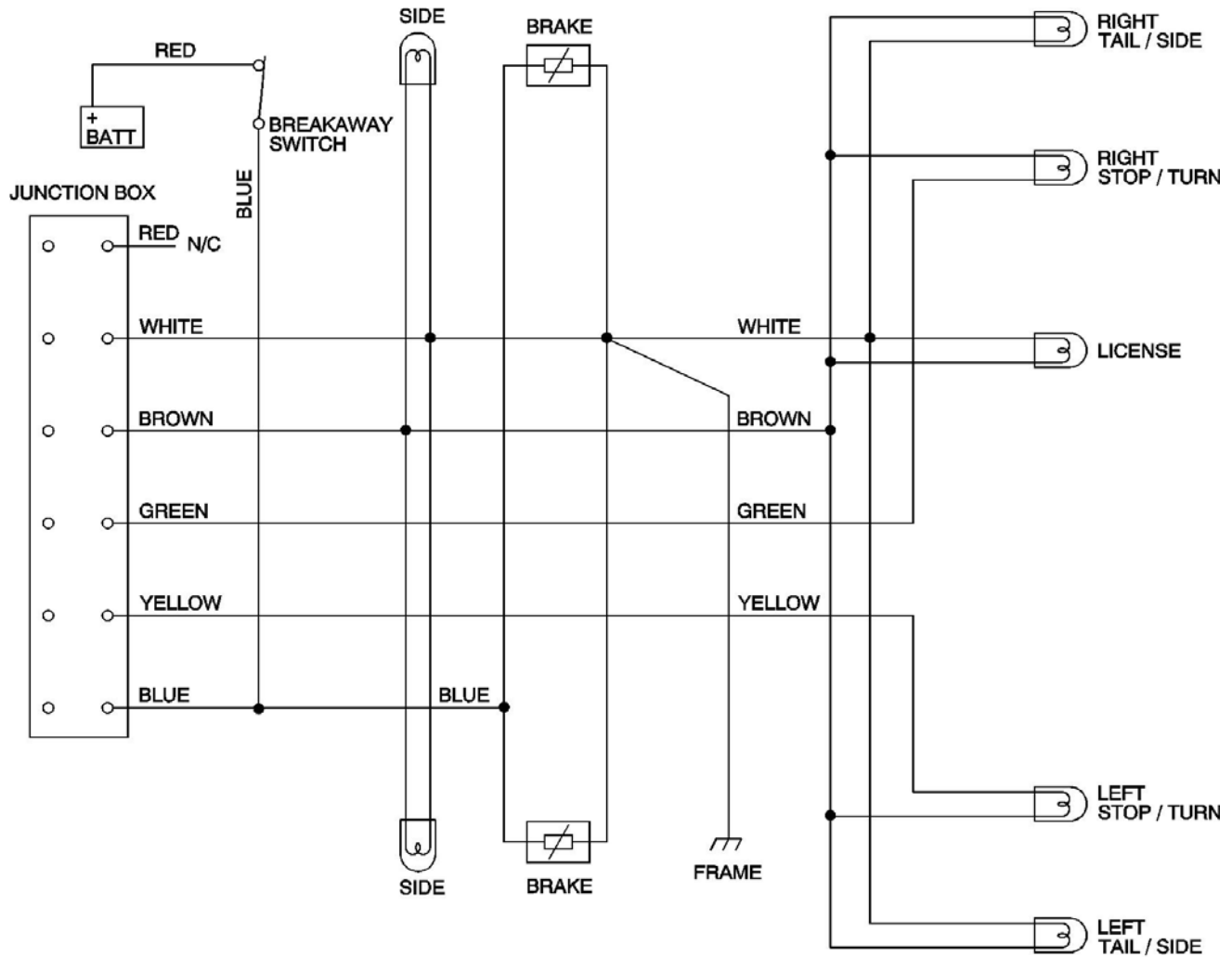
Instrument Panel Wiring Diagram



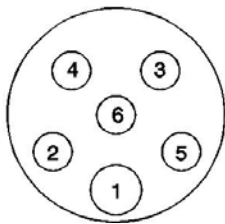
23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
DM1	22172423	Module, 2-Light Warning		Wait to Start
DS3	22050553	Light, Warning		
M1	22054175	Hourmeter		
M2	22692602	Gauge, Fuel Level		Load / Unload
S1	22127385	Switch, Start		
S2	22054076	Switch, Rocker SPST Momentary		
W2	22835680	Harness, Instrument Panel		

Tail Light Wiring Diagram



PLUG / SOCKET WIRING CONNECTIONS

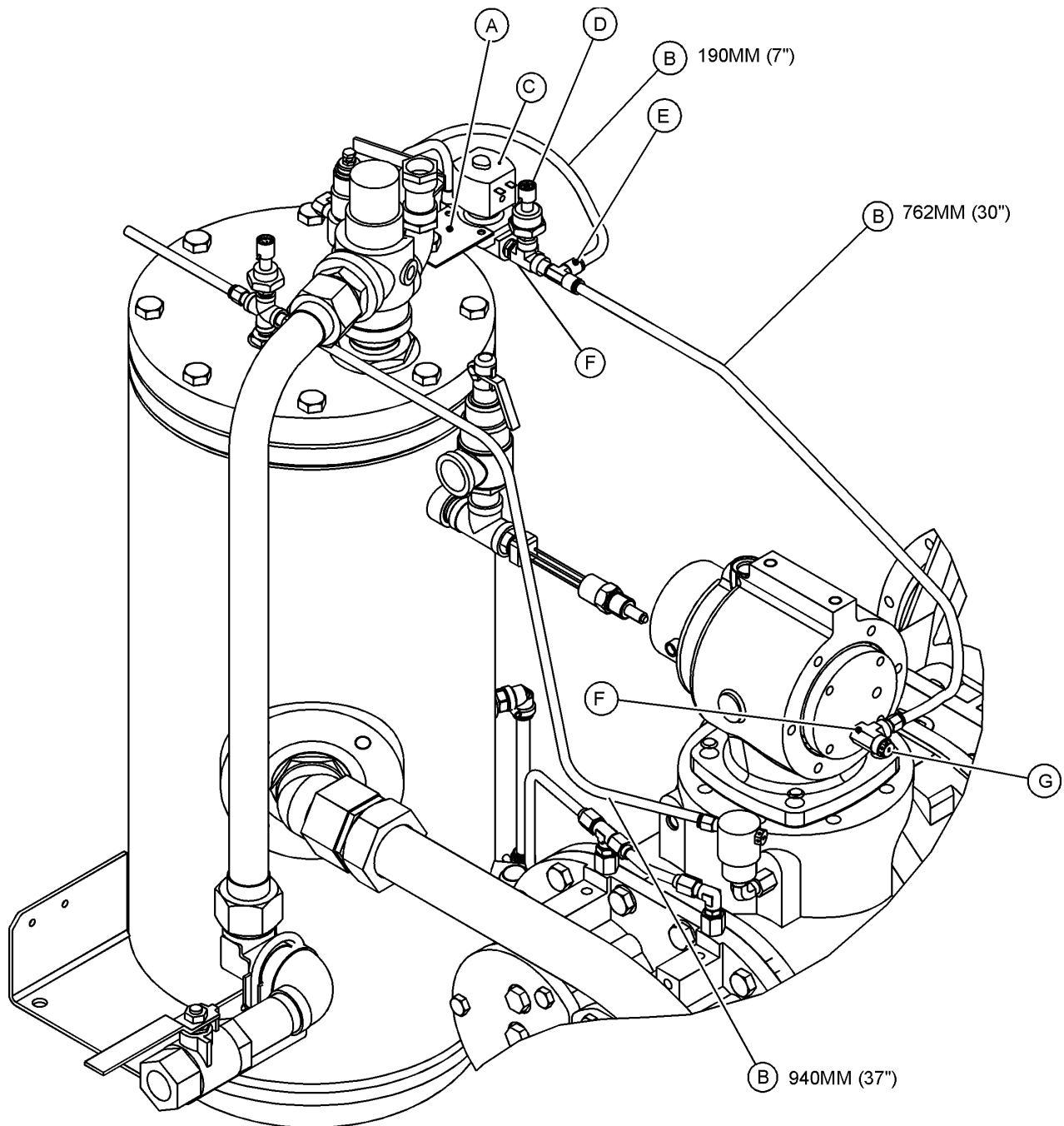


- 1 WHITE - GROUND
- 2 YELLOW - LEFT STOP/TURN SIGNAL
- 3
- 4 GREEN - RIGHT STOP/TURN SIGNAL
- 5 BROWN - TAIL / CLEARANCE LIGHTS
- 6 BLUE - ELECTRIC BRAKES

23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	36844975	Battery	2	
	35315944	Brakeaway Switch	1	
	36895860	License	1	
	35367051	Side	2	
	54671557	Tail / Stop	2	
	54761101	Harness, Light	1	

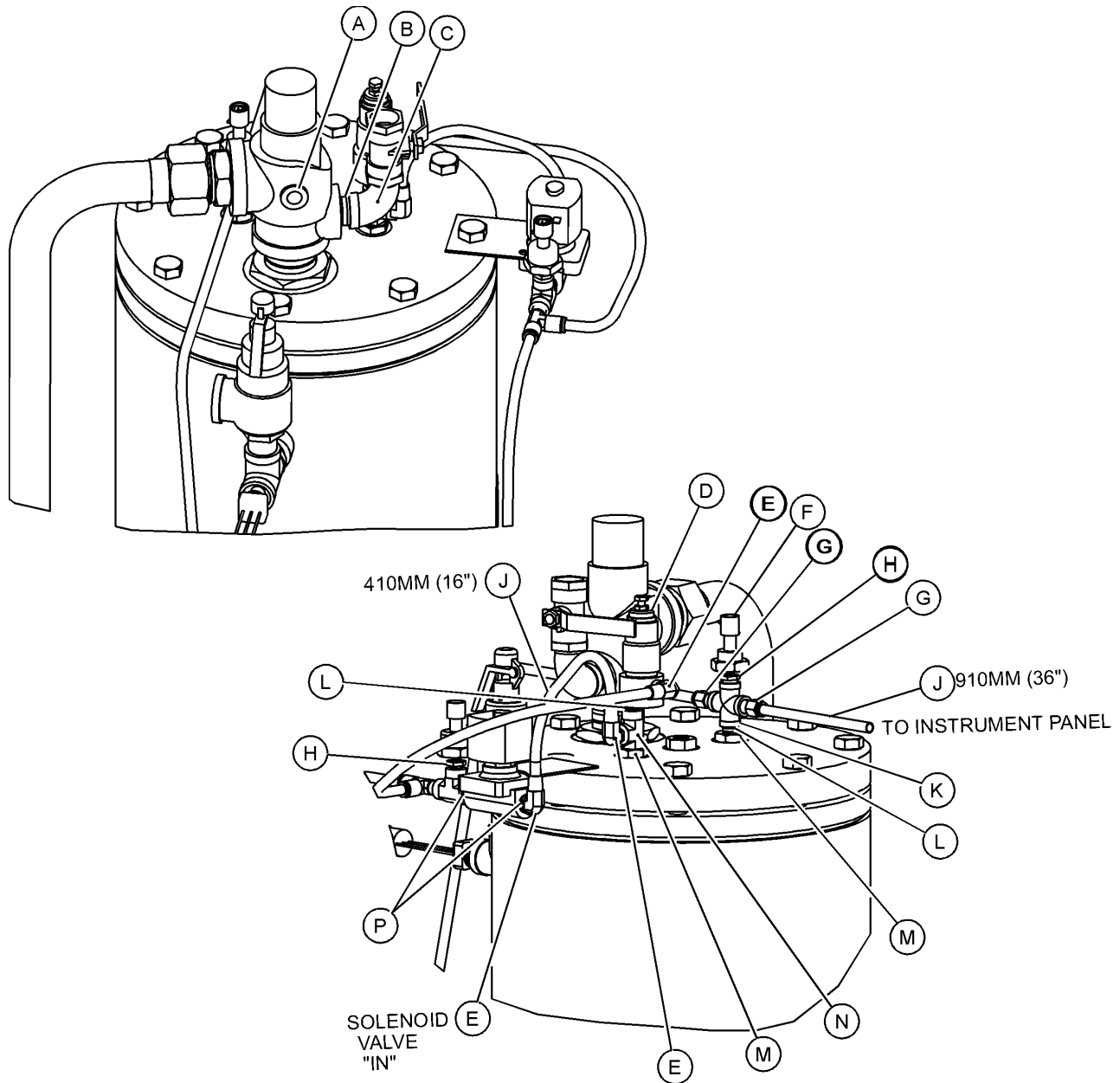
Air Piping



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36892669	Bracket, Start / Run Valve	1	See Lengths Above
B	35356484	Tubing, 3/8" OD Synflex	~	
C	36840841	Valve, Solenoid 24 V 0-100 PSI	1	
D	36920825	Transducer, 0-100 PSI	1	
E	35369503	Tee, Male Run 1/4" NPT X 3/8 Tube	1	
F	35114545	Tee, Street 1/4" NPT	2	
G	36766731	Orifice, Muffler .156	1	

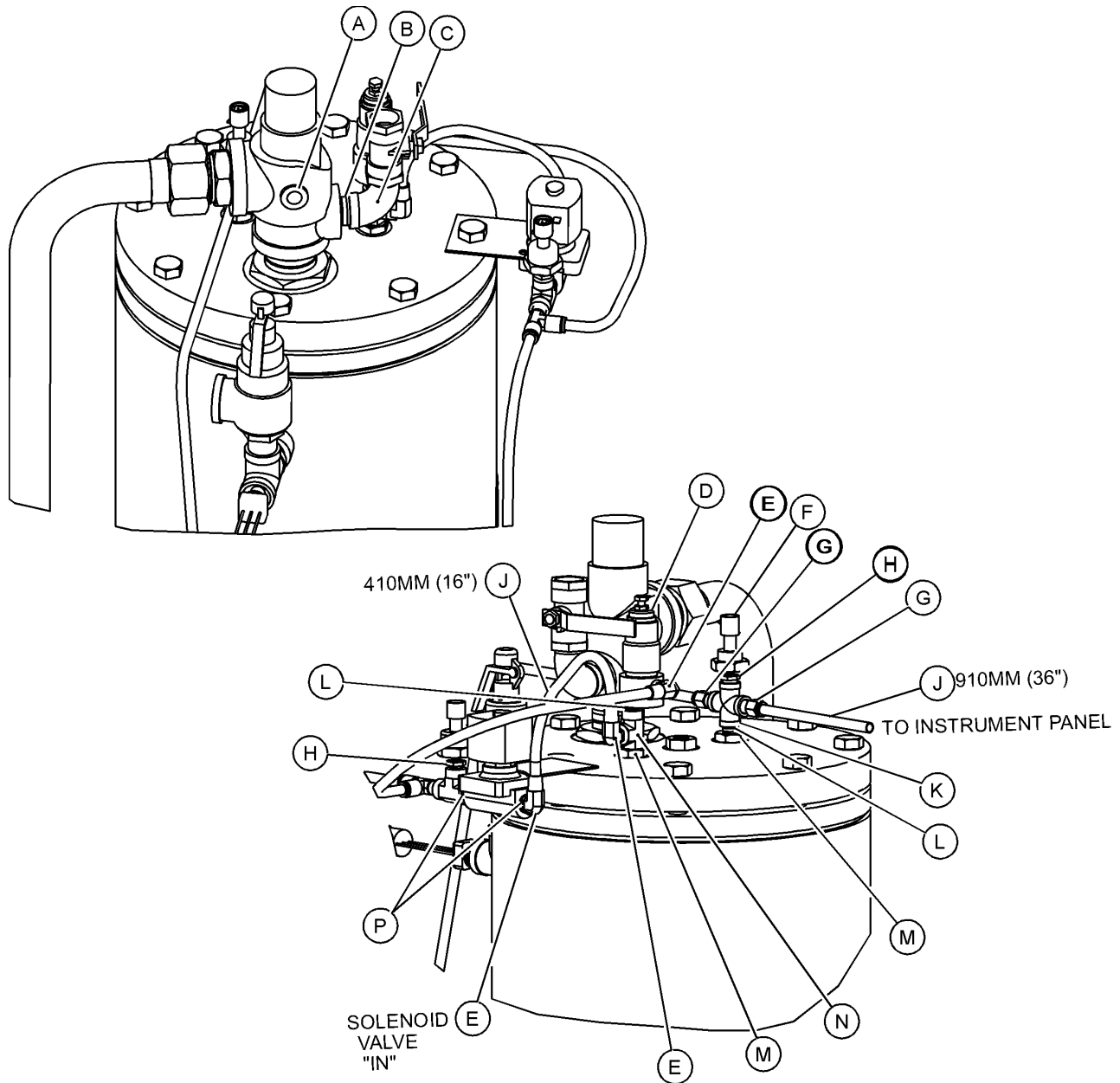
Air Piping



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95928230	Plug, Hex Countersunk Socket 1/4" NPT	1	<i>Continued...</i>
B	95928040	Nipple, Closed 3/4" NPT X 1.38"	1	
C	95928172	Elbow, 90° 3/4" NPT Street	1	
D	36896892	Regulator, Pressure 200 PSI	1	
E	35369354	Elbow, Male 1/4 NPT X 3/8 Tube	3	
F	54765946	Transducer, 0-500 PSI	1	
G	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	2	

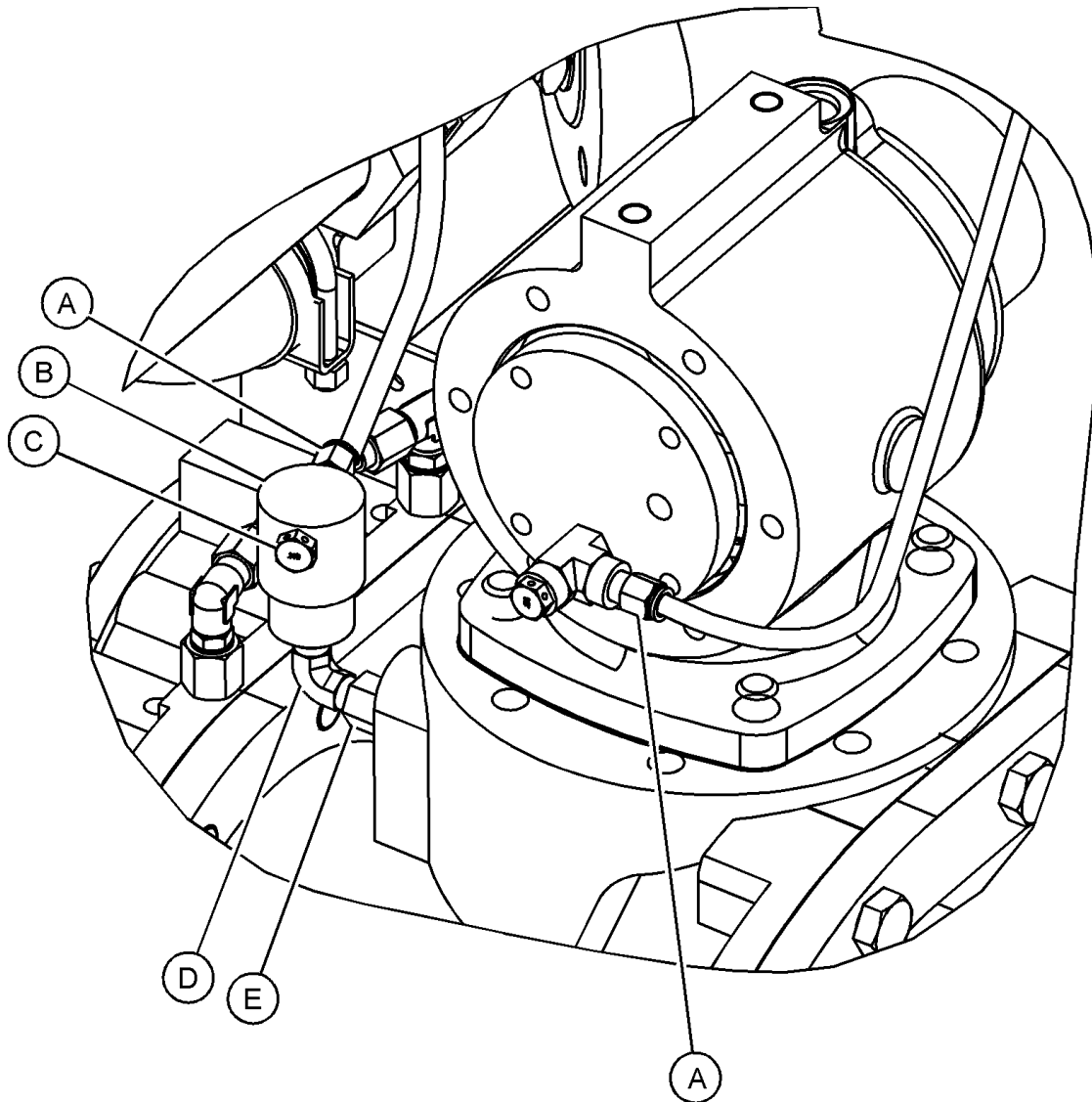
Air Piping



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
H	95930301	Bushing, Reducing 1/4" NPT X 1/8" NPT	2	Continued See Lengths Above
J	35356484	Tubing, 3/8" OD Synflex	~	
K	95954293	Cross, .25" NPT	1	
L	95944575	Nipple, Closed 1/4" NPT X 7/8"	2	
M	95773032	Adapter, 90° Female 7/8-14 X 1/4" NPT	2	
N	35114545	Tee, Street 1/4" NPT	1	
P	95940748	Bushing, Reducing 3/8" NPT X 1/4" NPT	2	

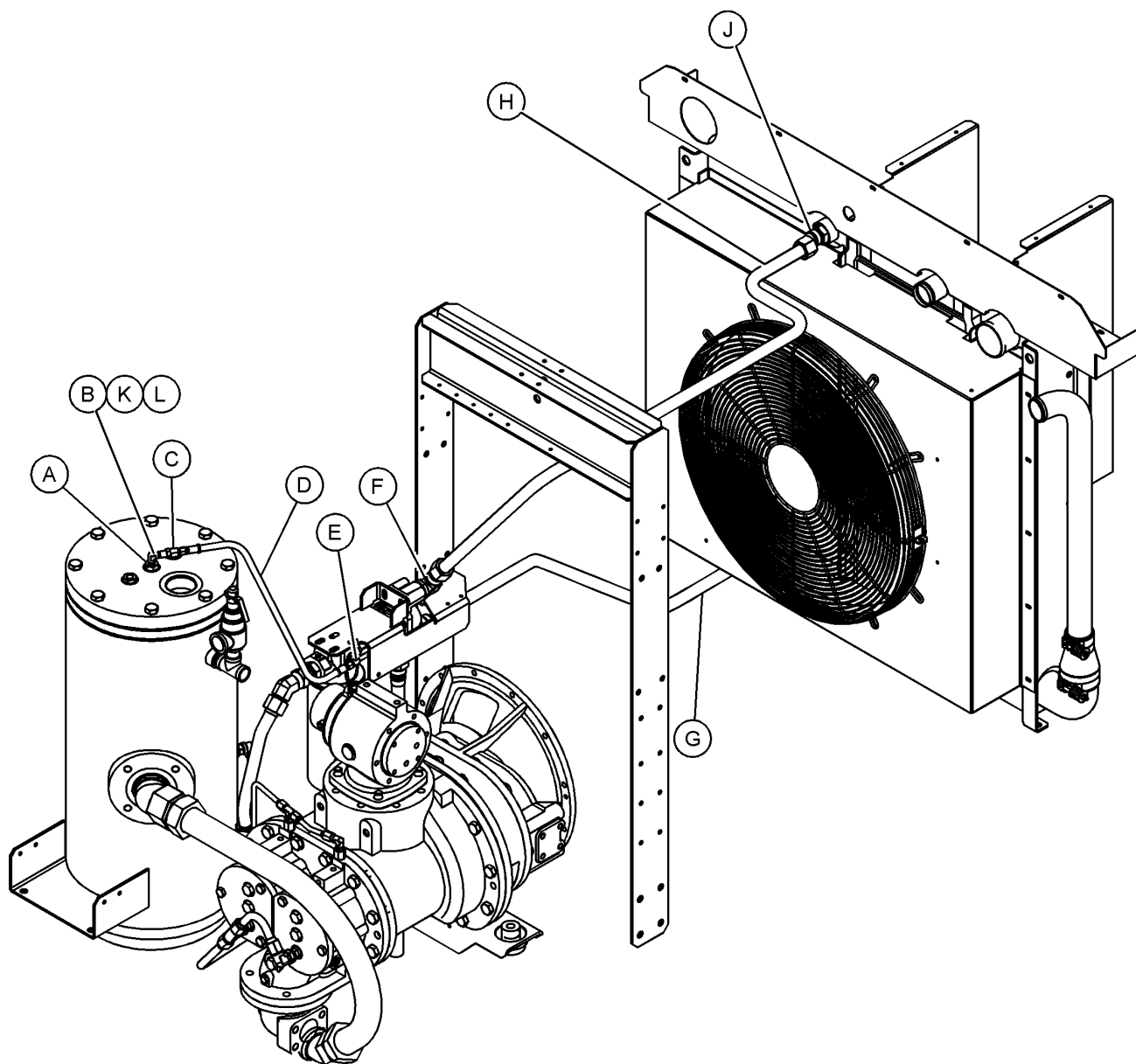
Air Piping



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	2	Repair Kit 35379064
B	35322379	Valve, Blowdown	2	
C	36766756	Orifice, Muffler .140	1	
D	95364469	Elbow, 90° 1/4" NPT X 1/4" NPT	1	
E	35302314	Adapter, 9/16-18 X 1/4" NPT	1	

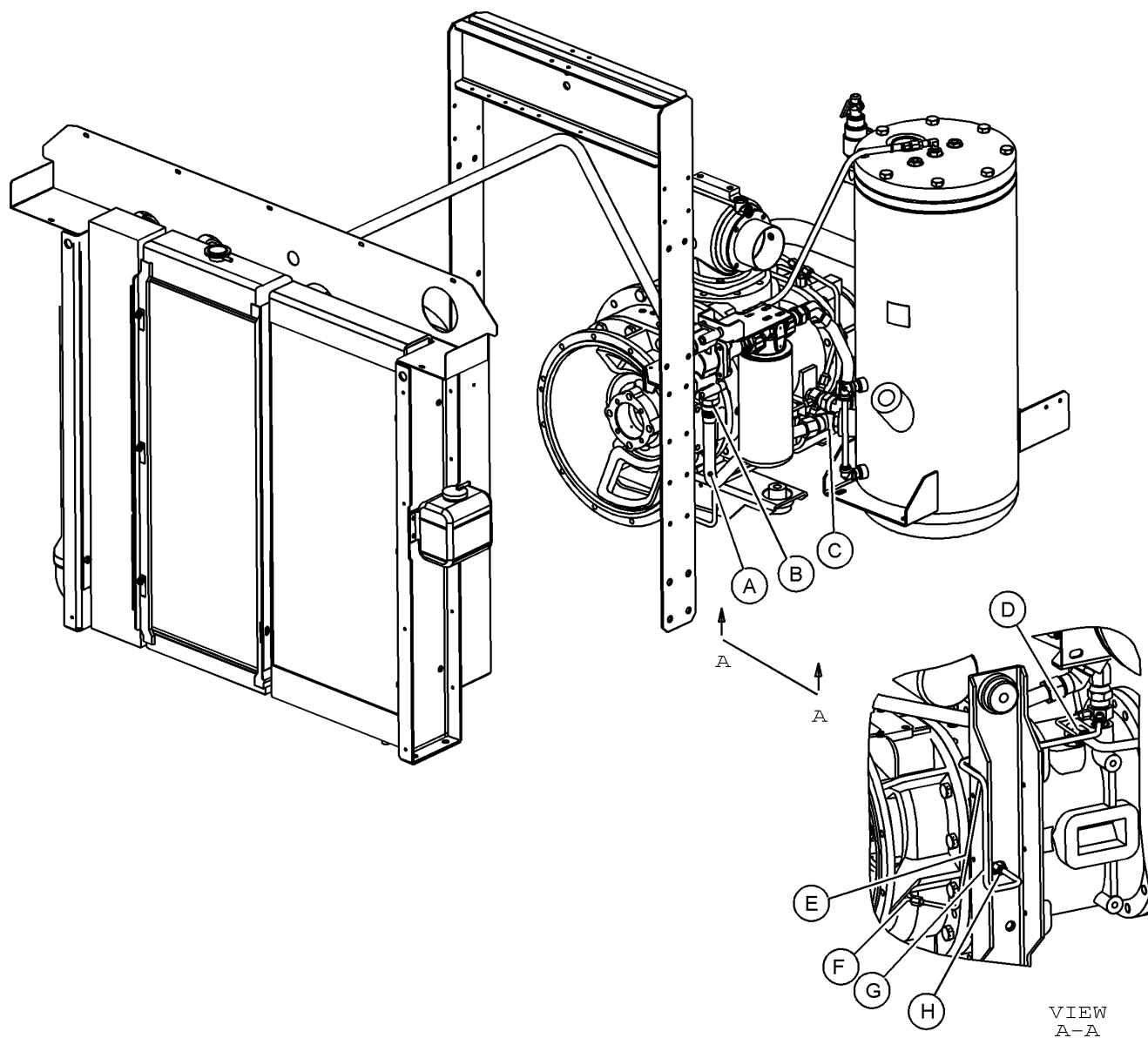
Oil Piping



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54721337	Adapter, Oil Scavenge	1	
B	95944666	Elbow, Street 90° 1/4" NPT	1	
C	36840411	Valve, Check	1	
D	35315407	Hose Assembly, -4 JIC X 24"	1	
E	95365094	Elbow, 90° 9/16-18 X -4 JIC	1	
F	95938171	Elbow, 90° X 1.31-12 SAE	1	
G	22915292	Tube, OTBV to Oil Cooler	1	
H	22915284	Tube, Top Oil Cooler	1	
J	95955993	Connector, 1.31-12 SAE to 1.31-12 Tube	1	
K	92877620	O-Ring	AR	Included w/ Item B
L	95973228	O-Ring	AR	Included w/ Item B

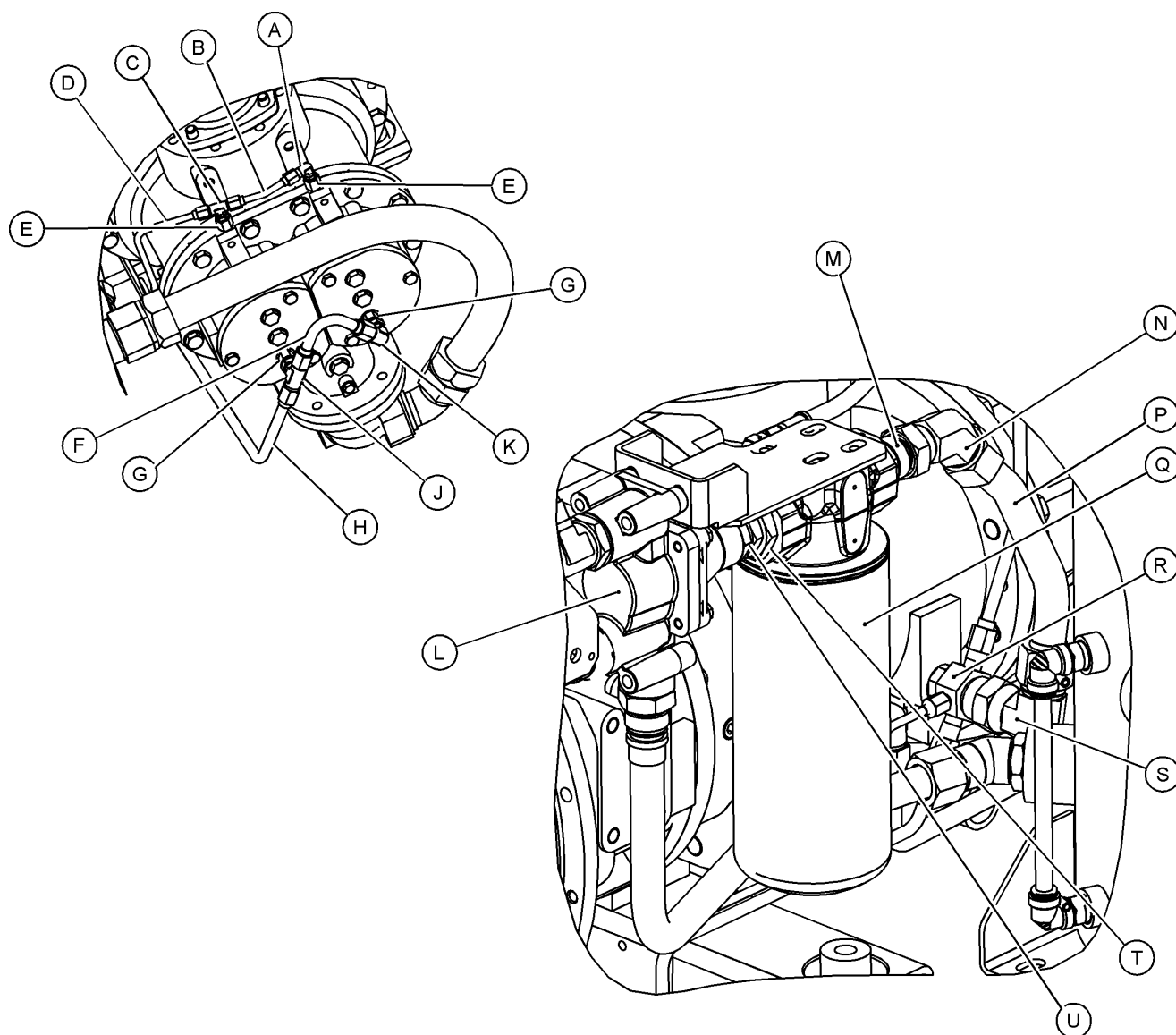
Oil Piping



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35227909	Hose, -16 JIC X 25"	1	
B	95955993	Connector, 1.31-12 SAE to 1.31-12 Tube	1	
C	95992632	Elbow, 45° X 1.31-21 SAE	1	
D	35305622	Elbow, 90° SAE 3/4-16 X -10JIC	1	
E	36846152	Tube, Front Oil Seal	1	
F	35279884	Elbow, 45° SAE 7/16-20 X -4JIC	1	
G	22189609	Tube, Front Bearing Oil Supply	1	
H	95402806	Adapter, 7/16-20 X -6JIC	1	

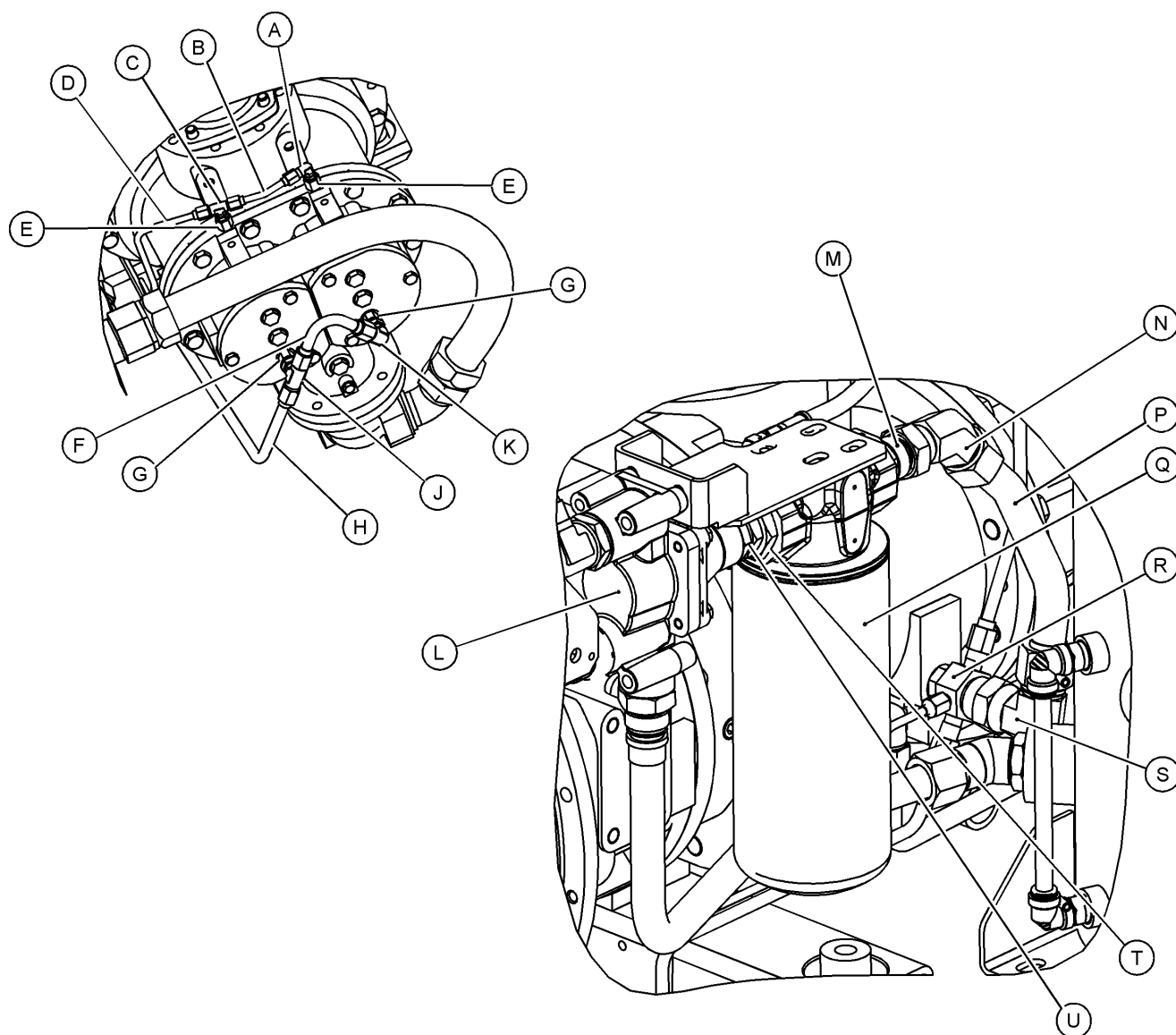
Oil Piping



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35279827	Elbow, 90° Swivel 9/16-18 X -6JIC	1	<i>Continued...</i>
B	36795482	Tube Assembly	1	
C	35279843	Tee, Branch 9/16-18 X -6JIC	1	
D	36846087	Tube, Bearing Oil Supply	1	
E	35287945	Expander, 7/16-20 X 9/16-18	2	
F	36846111	Tube, Male Rear Scavenge	1	
G	36846095	Connector, 3/4 O-Ring X -10JIC	2	
H	36846103	Tube, Bearing Oil Scavenge	1	
J	36846129	Tee, Branch 7/8-14 X -10JIC	1	
K	35286491	Elbow, 90° SAE 7/8-14 X -10JIC	1	

Oil Piping

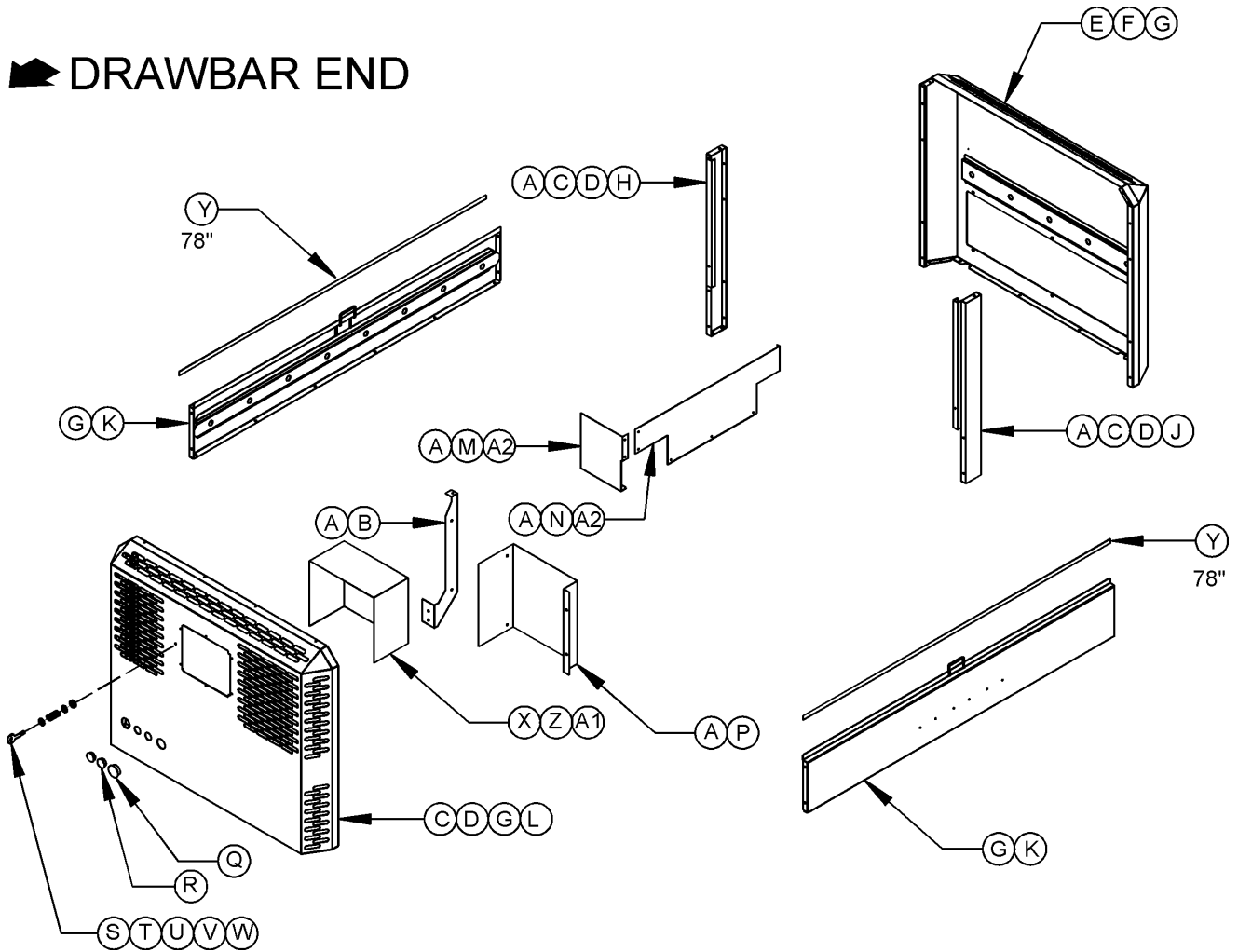


23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	23137953	OTBV Assembly, 1-5/16" SAE	1	Continued
M	35292069	Connector, 1.62-12 X -16JIC	1	
N	35307206	Elbow, 45° Swivel -16 JIC X 1" Tube	1	
P	35260371	Hose Assembly, -16 JIC X 16.5"	1	
Q	36897346	Element, Oil Filter	1	
R	36845154	Manifold, Oil	1	
S	35292051	Elbow, 90° Swivel Nut -16	1	
T	95954913	Reducer, 1.62-12 SAE X 1.31-12 Female SAE	1	
U	95954921	Union, Straight 1.31-12 SAE	1	

Enclosure Lower

➡ DRAWBAR END

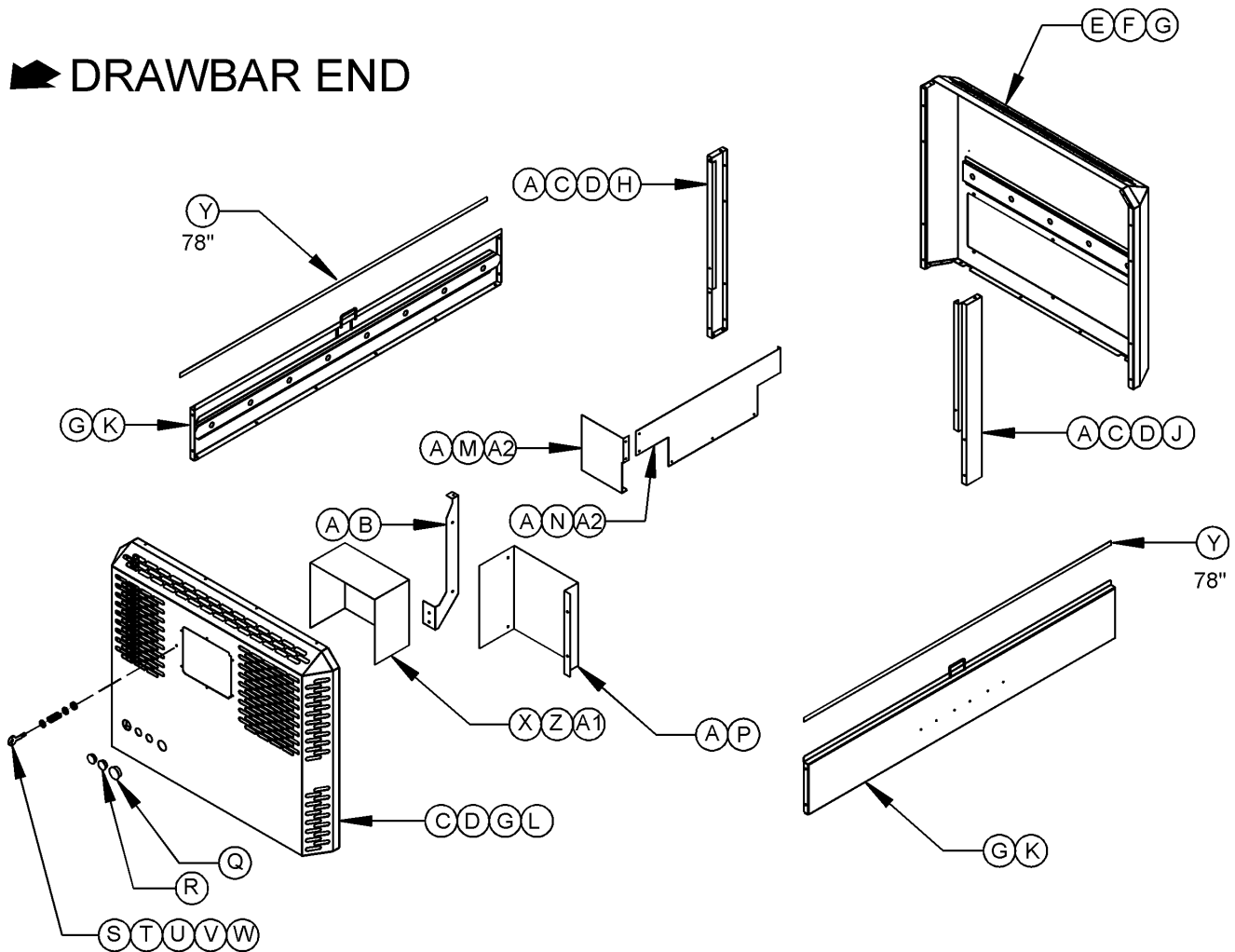


23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36797652	Screw, Tapping M06-1.0 X 12	101	<i>Continued...</i>
B	54737622	Bracket, Front Intake	1	
C	35337328	Stud, Ball	6	
D	36881886	Nut, Hex Flange M08-1.25	6	
E	54688254	Panel, Rear End Cap	1	
F	35256452	Receptacle, Quarter Turn	12	
G	35279025	Screw, Tapping M08-1.25 X 20	28	
H	54686167	Panel, RH Side	1	
J	54692751	Panel, LH Side	1	
K	54694823	Panel, Lower Side	2	
L	54686209	Panel, Front End Cap	1	
M	22431928	Panel, Small Toolbox	1	

Enclosure Lower

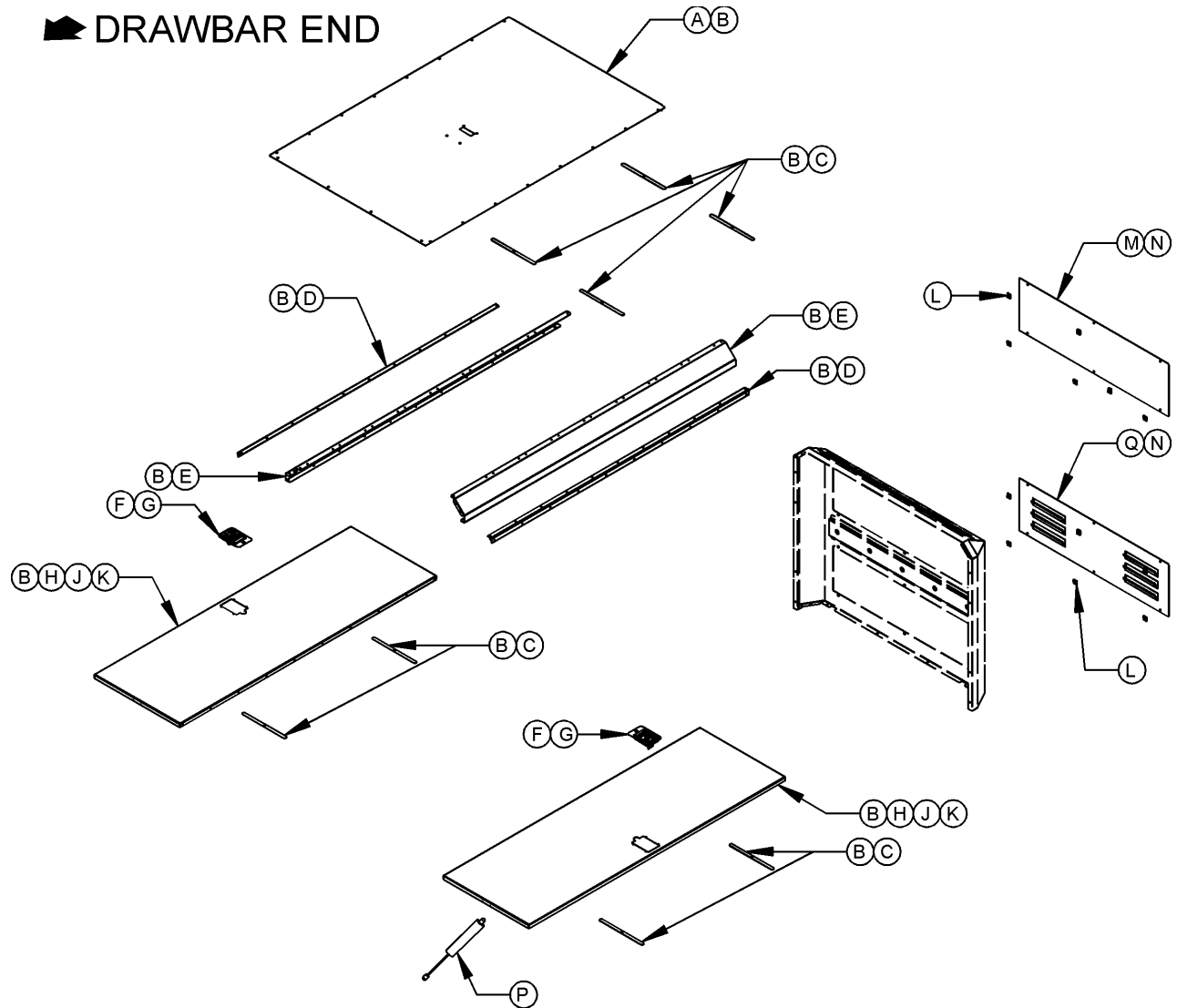
➡ DRAWBAR END



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	22394258	Panel, Toolbox	1	...Continued See Lengths Above
P	22070908	Baffle, Front Aftercooler	1	
Q	22058325	Cover, Rear Instrument Panel	1	
R	22068373	Seal, Door	~	
S	35607829	Eyebolt	1	
T	36772028	Washer, Nylon	1	
U	35607837	Spring	1	
V	95935029	Washer, Flat 1/4"	1	
W	95923298	Nut, Hex Lock 1/4-20	1	
X	92368687	Screw, Tapping M06-1.0 X 14	11	
Y	95916151	Washer, Flat 3/16"	3	
Z	95972188	Rivet, .19 Aluminum	3	

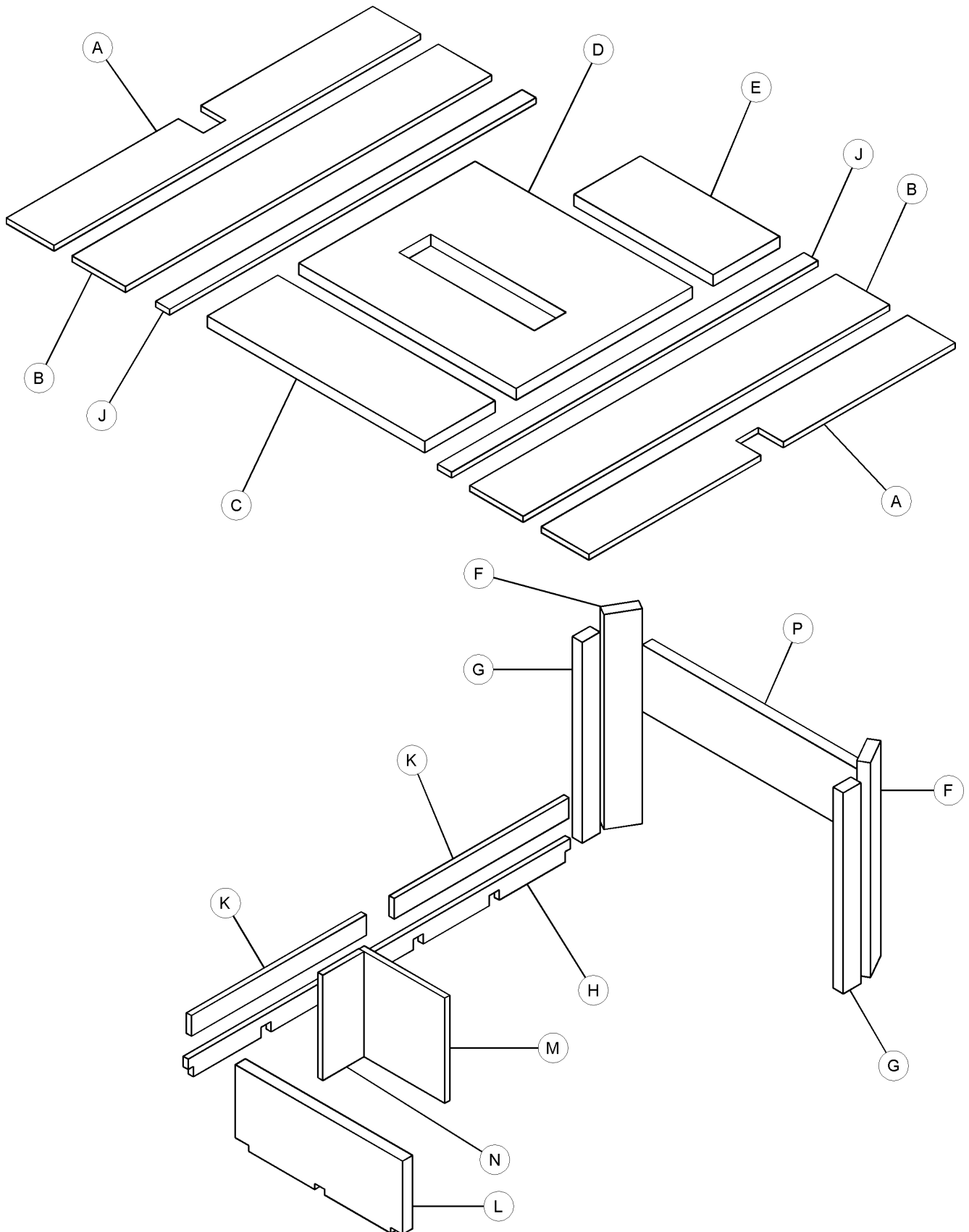
Enclosure Upper



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54642905	Roof	1	
B	36797652	Screw, Tapping M06-1.0 X 12	101	
C	54718184	Strap, Foam Retaining	8	
D	54639174	Hinge, Side Door	2	
E	54697495	Rail, Top	2	
F	36793602	Latch, Slam Door	2	
G	36794816	Rivet, 3/16"	8	
H	54629993	Door, Side	2	
J	35337328	Stud, Ball	4	
K	36881886	Nut, Hex Flange M08-1.25	4	
L	35256445	Retainer, Pushon Quarter Turn	12	
M	54694831	Panel, Rear Access	1	
N	35256429	Stud, Quarter Turn	12	
P	35600261	Spring, Gas	4	
Q	54760483	Panel, Louvered Access	1	

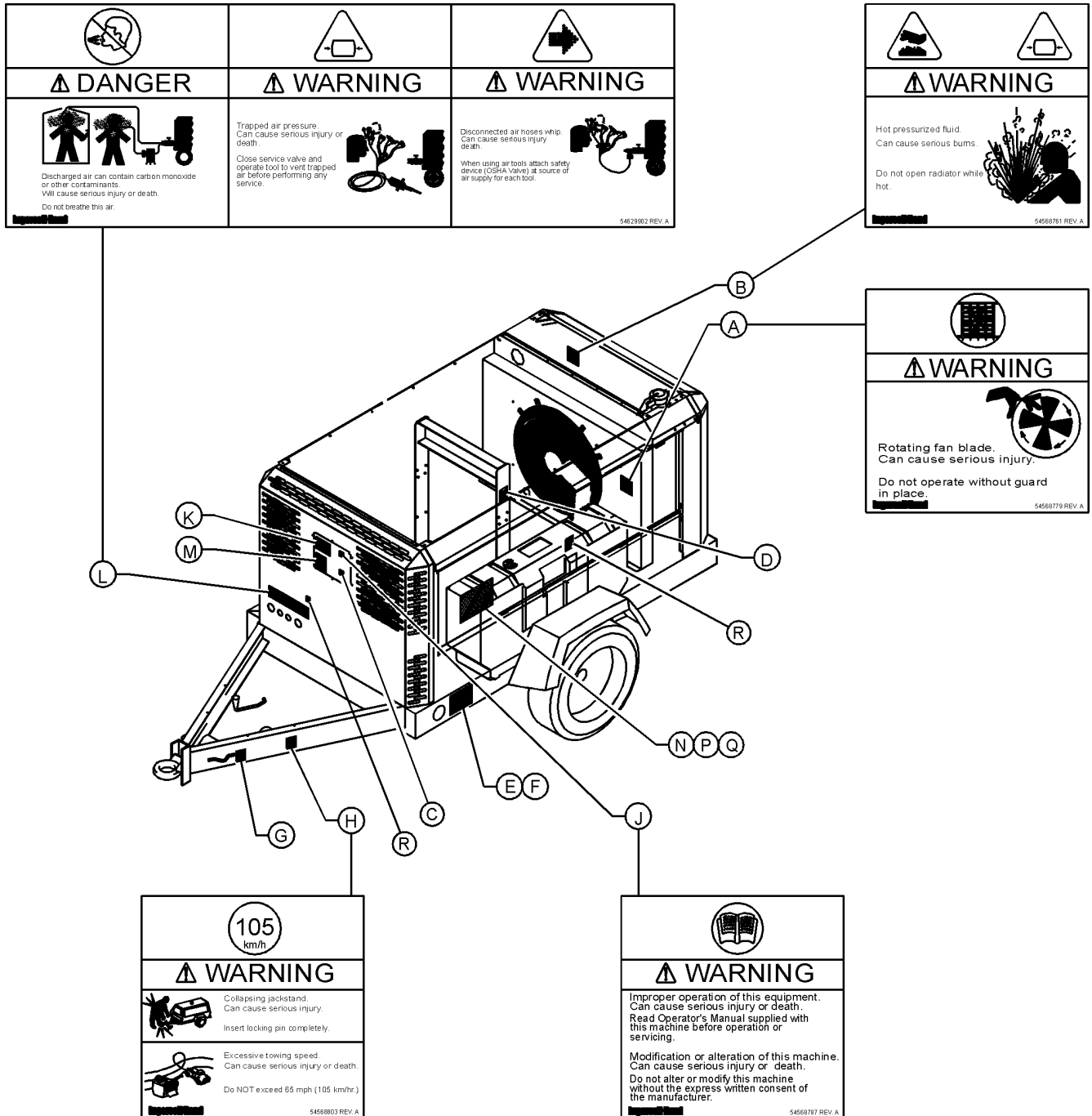
Foam Insulation



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54675020	Panel, Lower Door Acoustic	2	
B	54675046	Panel, Upper Door Acoustic	2	
C	54675053	Panel, Front Roof Acoustic	1	
D	54675079	Panel, Middle Roof Acoustic	1	
E	54675061	Panel, Rear Roof Acoustic	1	
F	54674973	Panel, Rear Corner Acoustic	2	
G	54746516	Panel, Rear Side Acoustic	2	
H	54770524	Panel, Lower Side Acoustic	1	
J	22272322	Panel, Top Rail Acoustic	2	
K	54770490	Panel, Top Lower Side Acoustic	2	
L	54674916	Panel, Front End Cap Acoustic	1	
M	22074488	Panel, Interior Baffle Front Acoustic	1	
N	22074504	Panel, Interior Baffle Front Acoustic	1	
P	54674957	Panel, Rear Top Access Acoustic	1	

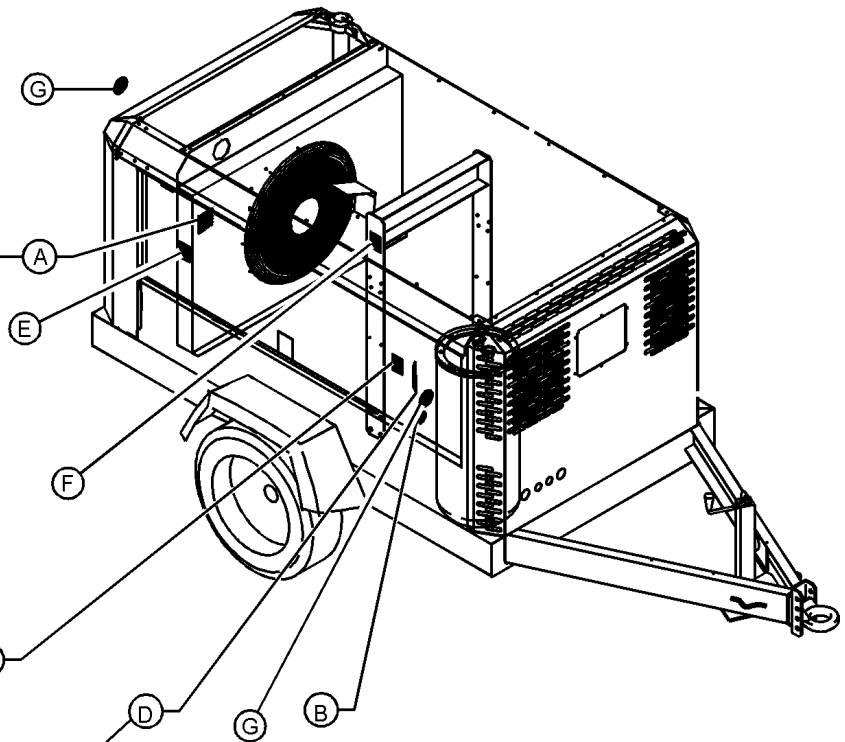
Decal Location STSD



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568779	Warning, Rotating Fan	1	
B	54568761	Warning, Hot Fluid		
C	54454756	Caution, NO Weld	1	
D	54625207	Decal, Diesel Fuel	1	
E	36531176	Decal, V.I.N.	1	
F	36541602	Decal, EPA Noise		
G	54604921	Notice, Tow Chains	1	
H	54568803	Warning, Towing	1	
J	54568787	Warning, Improper Operation	1	
K	54749163	Decal, Operating Instructions	1	
L	54629902	Danger/Warning, 3-Part Combo	1	
M	22299051	Decal, Symbol Interpretation	1	
N	22068282	Screw, Tapping M04 X 25	2	
P	22394308	Laminate Set	1	
Q	36788982	Binder, 3-Ring	1	
R	54640016	Decal, Powertrain Warranty	2	

Decal Location CRBSD



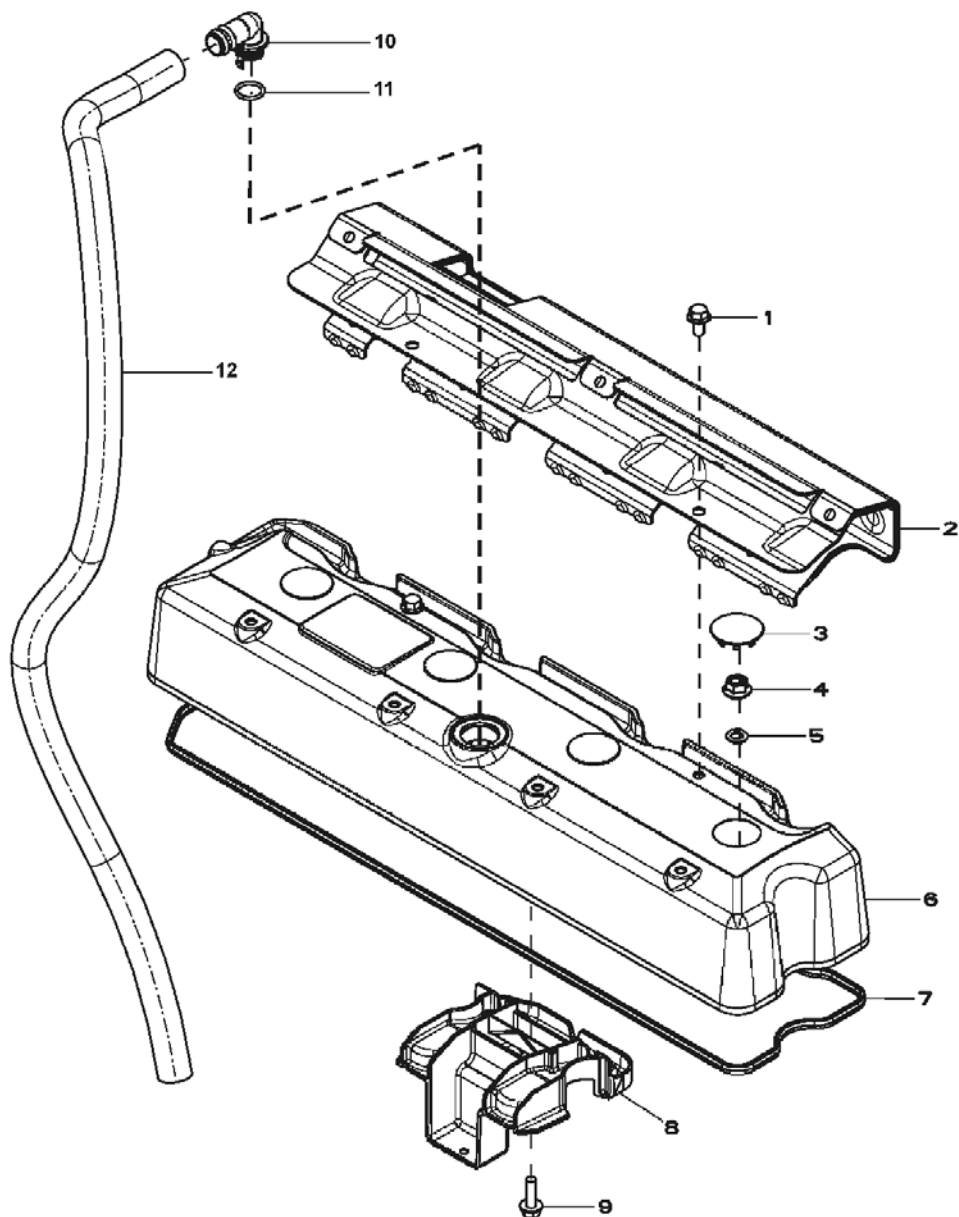
23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568779	Warning, Rotating Fan	1	
B	54604970	Decal, Oil Fill	1	
C	54568753	Warning, Battery	1	
D	54568795	Warning, High Pressure	1	
E	54604962	Notice, Radiator Fill	1	
F	54454756	Caution, NO Weld	1	
G	54660024	Decal, Genuine Parts	2	



Section C - ENGINE PARTS

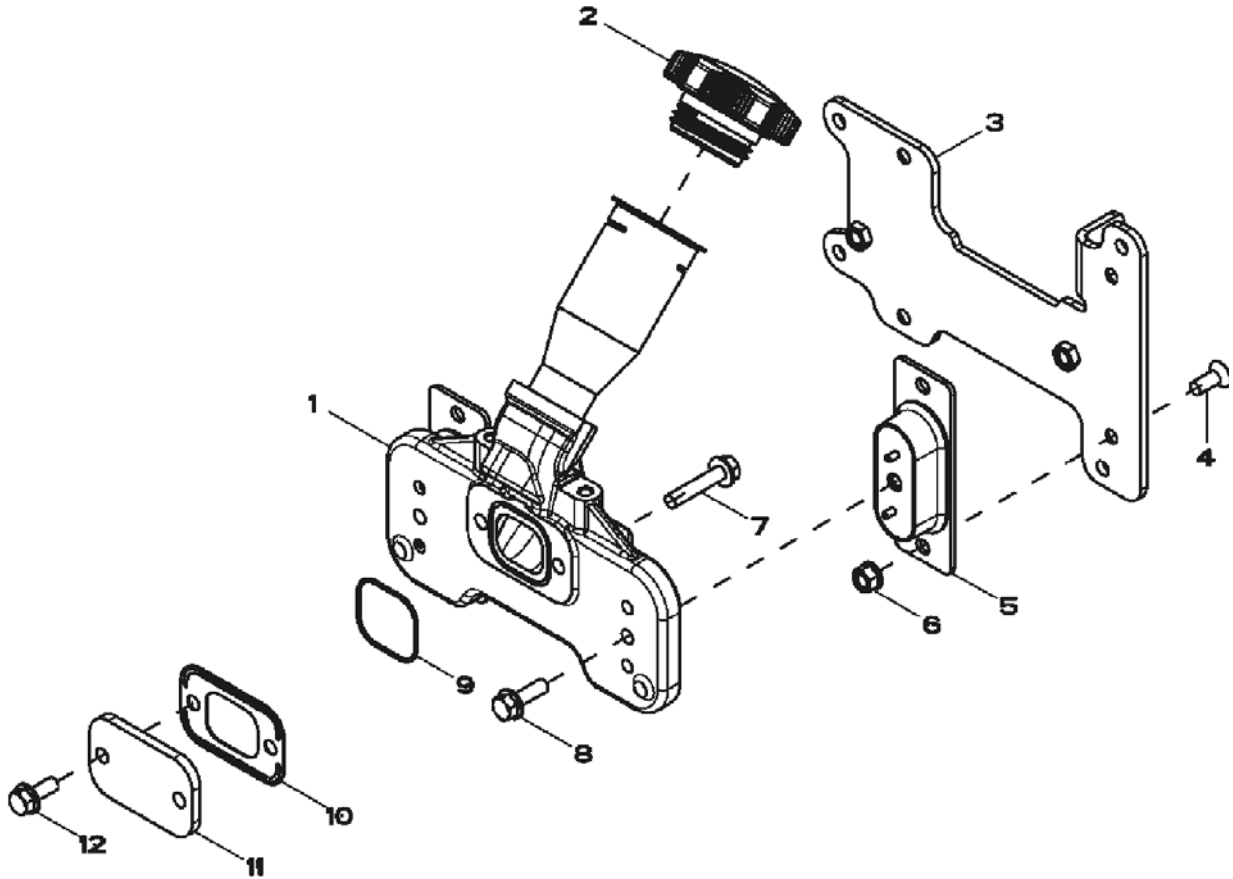
Valve Cover



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23230162	Screw, Hex Flange M06-1.0 X 12	2	
2	23229750	Shield, Heat	1	
3	36102929	Plug	4	
4	36106763	Nut, Hex Flange M08-1.25	4	
5	36106771	O-Ring, 7.595 X 2.616 mm	4	
6	23229727	Cover, Valve	1	
7	23229883	Gasket, Valve Cover	1	
8	23230196	Deflector	1	
9	248898918	Screw, Hex Flange M06-1.0 X 20	1	
10	36105062	Elbow, Fitting	1	
11	36110385	O-Ring, 18.72 X 2.616 mm	1	
12	24899171	Hose	1	

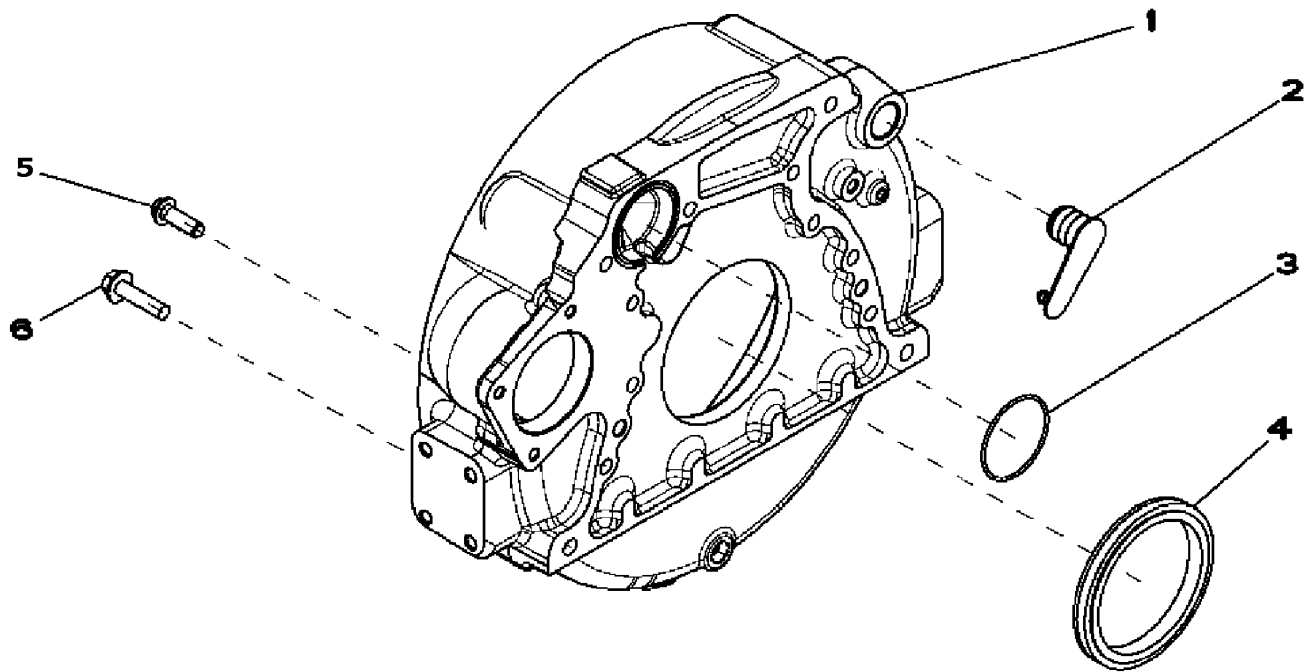
Oil Fill Neck



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23230188	Neck, Oil Filler	1	
2	23229909	Cap, Oil Filler	1	
3	23230212	Bracket, ECU Mounting	1	
4	23236912	Screw, Button Head M08-1.25 X 20	4	
5	23236938	Isolator	2	
6	24898801	Nut, Hex Flange M08-1.25	4	
7	85471092	Screw, Hex M08-1.25 X 40	2	
8	85470417	Screw, Hex Flange M08-1.25 X 25	2	
9	23229560	O-Ring, 47.346 X 1.778 mm	1	
10	36108595	Gasket, Oil Filler Port	1	
11	36104602	Cover, Oil Filler Port	1	
12	36118149	Screw, Hex Flange M08-1.25 X 20	2	

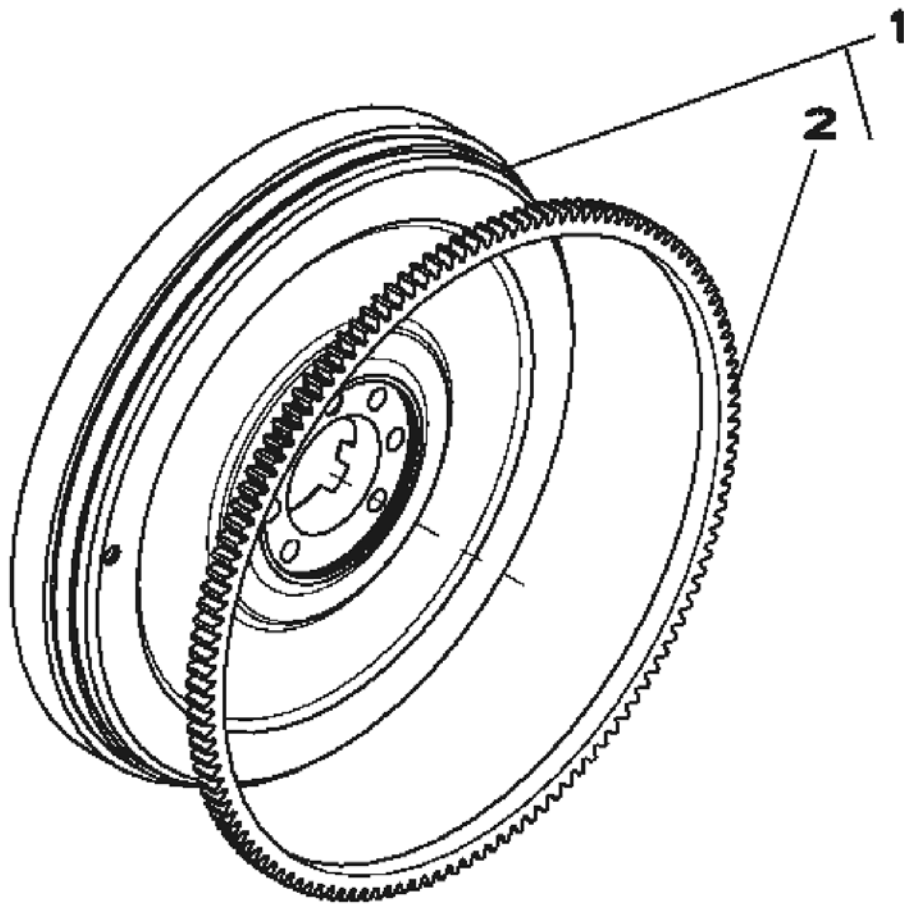
Flywheel Housing



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	24899346	Housing, Flywheel	1	
2	36108009	Plug	1	
3	24899478	O-RING, 69.52 X 2.616 mm	1	
4	36114015	Seal, Rear Oil	1	
5	36108579	Screw, Special Flange M12-1.75 X 38	8	
6	85470003	Screw, Hex Flange M12-1.75 X 50	4	

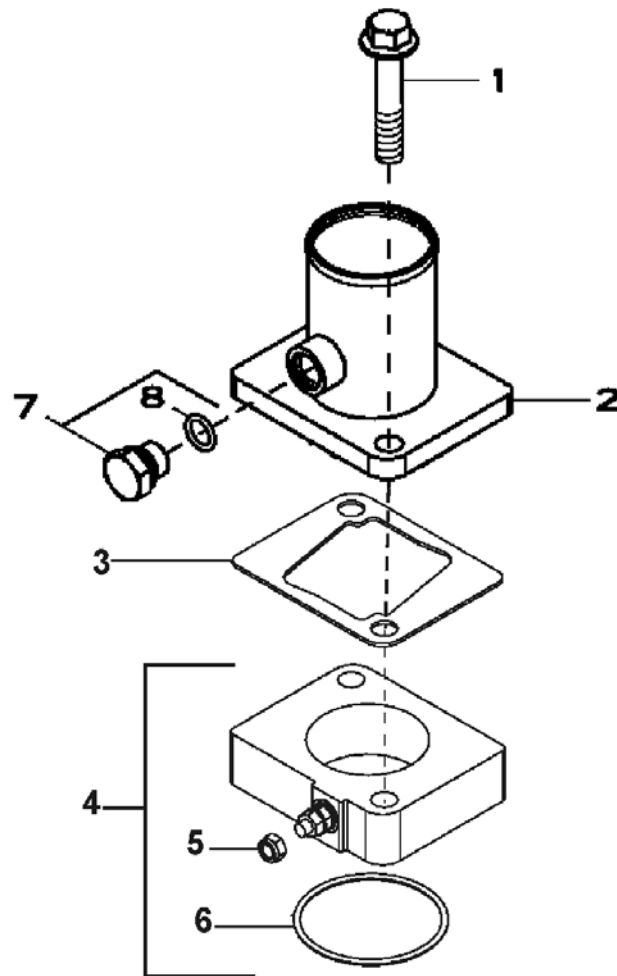
Flywheel



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	24899510	Flywheel w/ Ring Gear	1	
2	36108819	Gear, Ring	1	

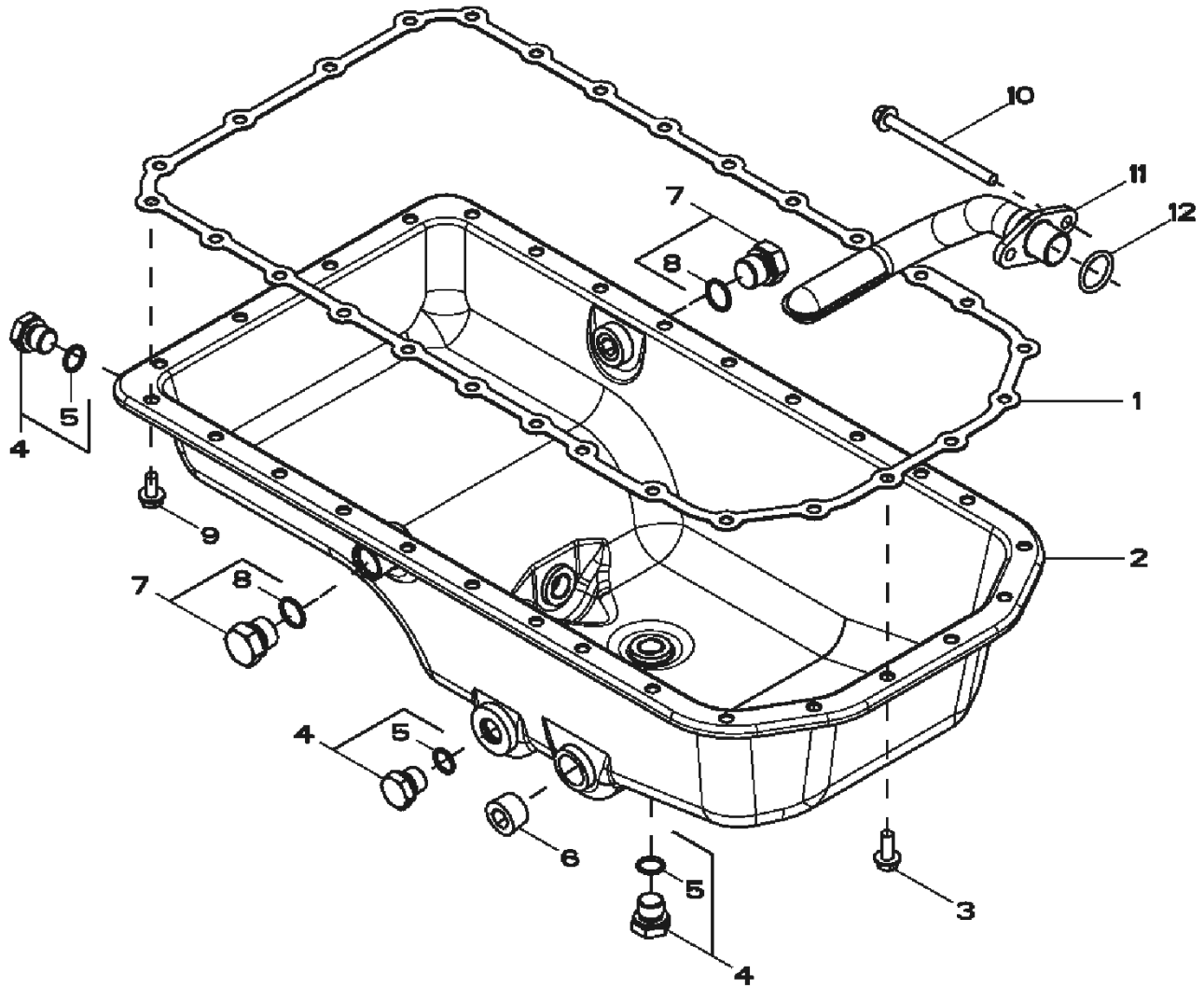
Intake Air Manifold



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85470474	Screw, Hex Flange M10-1.50 X 50	2	
2	36137461	Manifold, Air Intake	1	
3	36114072	Gasket, Intake Manifold / Adapter	1	
4	85473999	Heater, 24V Air Intake	1	
5	36100154	Nut, Hex Lock M06-1.0	1	
6	85472587	O-Ring, 58.42 X 2.616 mm	1	
7	85472017	Plug w/ O-Ring, M14-2	1	
8	36128916	O-Ring, 11.30 X 2.20 mm	1	

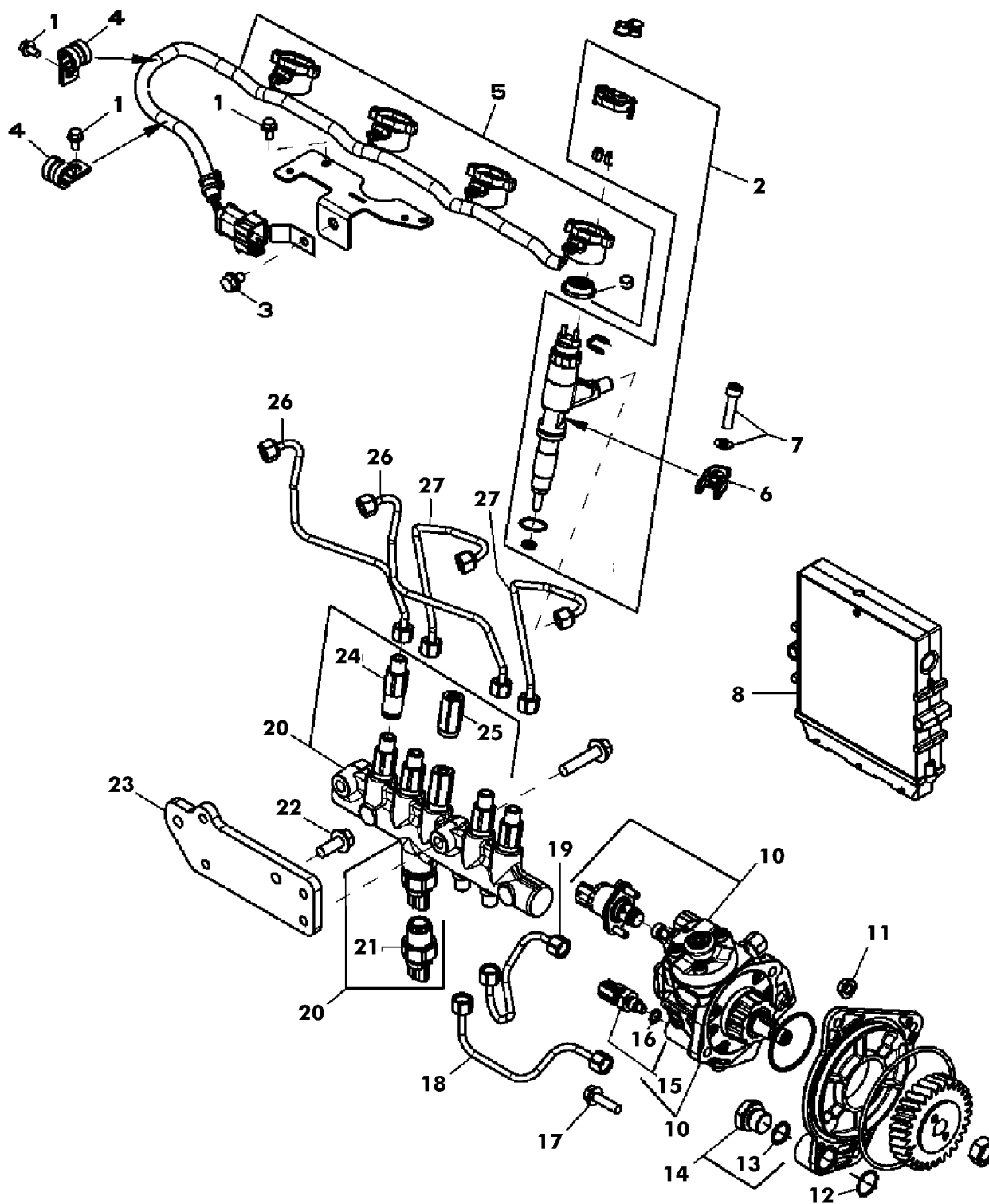
Oil Pan



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36106201	Gasket, Oil Pan	1	
2	23207335	Pan, Oil	1	
3	24898934	Screw, Hex Flange M08-1.25 X 20	6	
4	36114080	Plug w/ O-Ring, M18-2.5 X 1.5	3	
5	85470623	O-Ring, 15.3 X 2.20 mm	1	
6	36100261	Plug, Pipe 3/4" NPT	1	
7	36114106	Plug w/ O-Ring, M22 -2.5 X 1.5	2	
8	85470649	O-Ring, 19.30 X 2.20 mm	2	
9	85470425	Screw, Hex Flange M08-1.25 X 16	22	
10	85470508	Screw, Hex Flange M08-1.25 X 100	2	
11	36115525	Tube, Oil Pump Intake	1	
12	36019932	O-Ring, 24.990 X 3.530 mm	1	

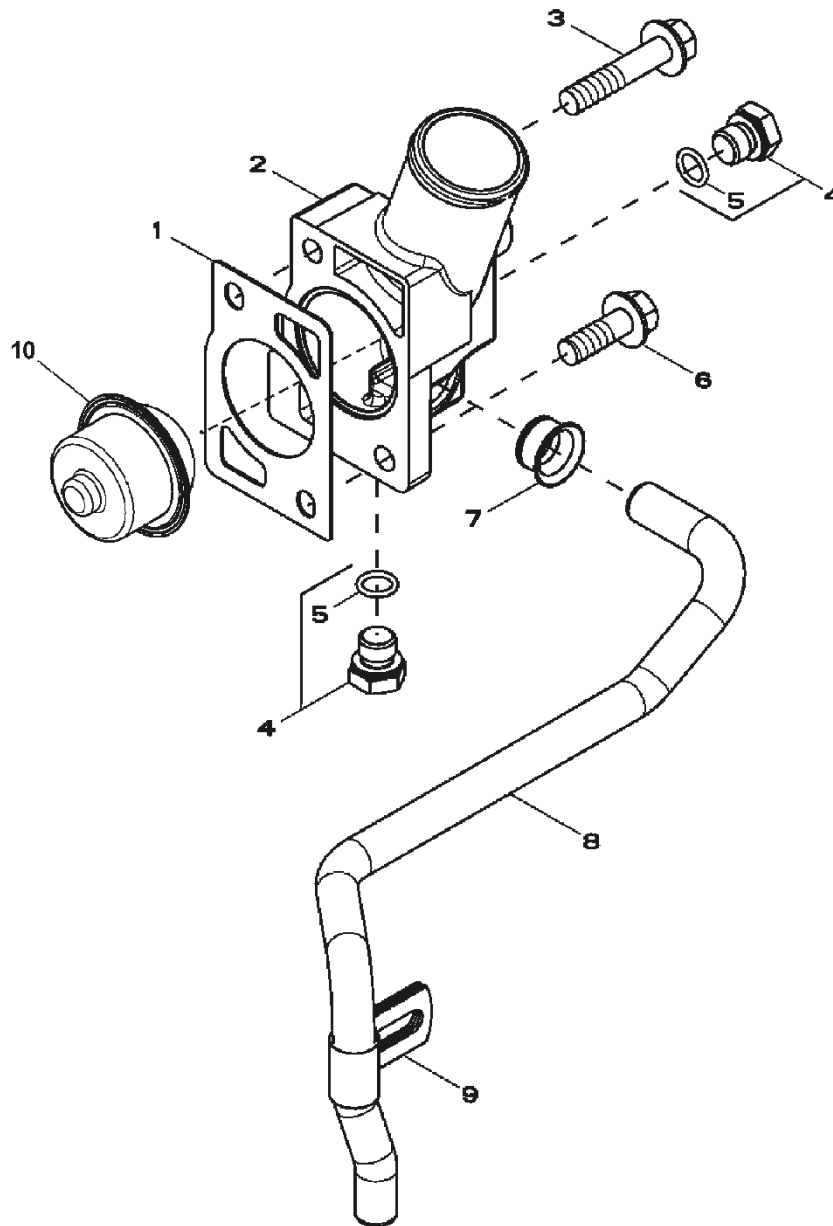
Fuel Injection Pump



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23230071	Screw, Hex Cap M08-1.25 X 12	1	
2	23230279	Injector, Electronic Unit	4	
3	23230162	Screw, Hex Flange M06-1.0 X 12	4	
4	23230329	Clamp	2	
5	23236953	Harness, Instrument Panel Wiring	1	
6	23229636	Clamp	4	
7	23230170	Screw with Washer	4	
8	23230113	Control Unit, Engine (ECU)	1	
9	23229792	Seal	1	
10	36138006	Pump, Fuel Injection	1	
11	24898801	Nut, Hex Flange M08-1.25	3	
12	23016652	O-Ring, 21.95 X 1.78 mm	1	
13	85470631	O-Ring, 17.30 X 2.20 mm	1	
14	85473502	Plug w/ O-Ring, M20-2.5 X 1.5	1	
15	23229974	Sensor, Fuel Temperature	1	
16	23229586	O-Ring, 9.804 X 1.905 mm	1	
17	24898926	Screw, Hex Flange M08-1.25 X 30	2	
18	23230154	Line, Fuel	1	
19	23230147	Line, Fuel	1	
20	23230022	Rail, Fuel	1	
21	23230014	Sensor, Fuel Rail	1	
22	18969410	Screw, Hex Flange M10-1.5 X 25	2	
23	23229768	Bracket, Fuel Rail	1	
24	23229958	Restrictor	4	
25	23229966	Valve, Pressure Relief	1	
26	23230139	Line, Fuel	2	
27	23230121	Line, Fuel	2	

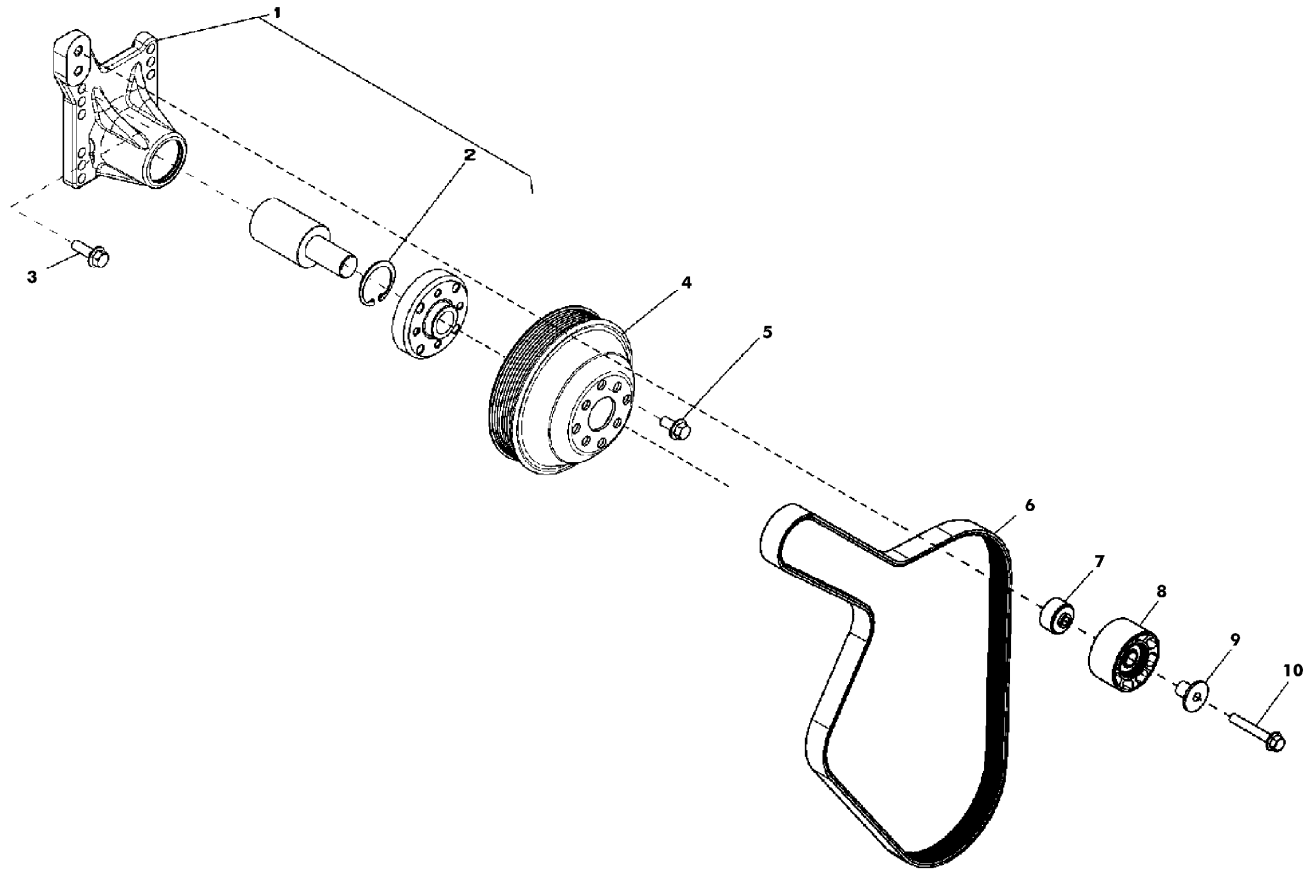
Thermostat and Housing



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36108561	Gasket, Thermostat Housing	1	
2	36107910	Housing, Thermostat	1	
3	85470474	Screw, Hex Flange M10-1.5 X 50	1	
4	36114072	Plug w/ O-Ring, M14-2 X 1.5	AR	
5	36128916	O-Ring, 11.30 X 2.20 mm	AR	
6	18969402	Screw, Hex Flange M10-1.5 X 30	1	
7	36106060	Gasket, WaterR By-Pass Tube	1	
8	23229743	Tube	1	
9	36106177	Clamp	1	
10	36117463	Thermostat	1	

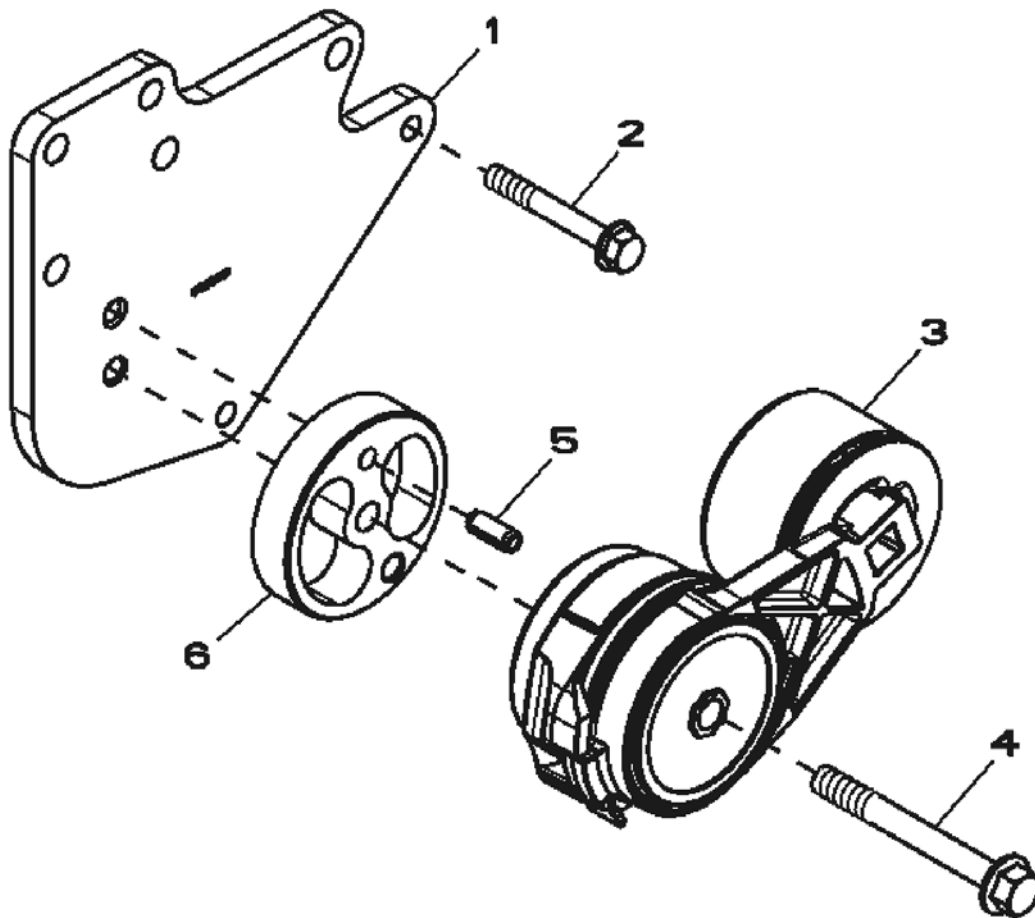
Fan Drive



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85473700	Support, Fan Drive	1	
2	36102838	Ring, Snap	1	
3	18969402	Screw, Hex Flange M10-1.5 X 30	4	
4	36107480	Pulley, Fan	1	
5	85470359	Screw, Hex Flange M10-1.5 X 20	4	
6	23094170	V-Belt	1	
7	85472280	Spacer, Idle Pulley	1	
8	36114486	Pulley, Idle	1	
9	36103828	Sleeve, Idle Pulley	1	
10	24898876	Screw, Hex Flange M10-1.5 X 65	1	

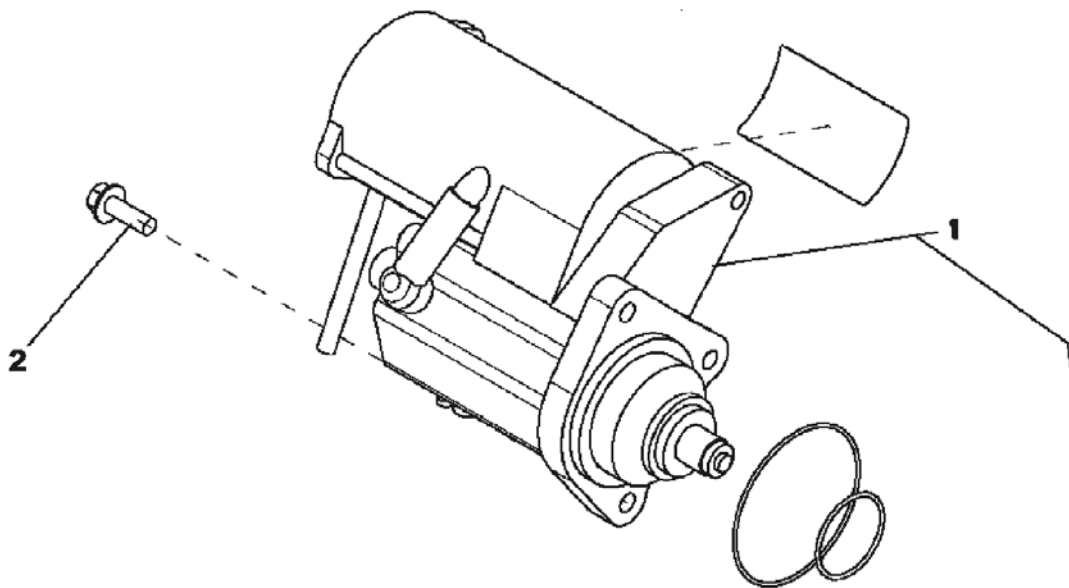
Belt Tensioner



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23019458	Support, Idle Tensioner	1	
2	18969428	Screw, Hex Flange M08-1.25 X 60	2	
3	36136869	Tensioner, Idle	1	
4	23236920	Screw, Hex Flange M10-1.5 X 90	1	
5	24899056	Pin, Spring M08 X 20	1	
6	23017189	Spacer, Idle Tensioner	1	

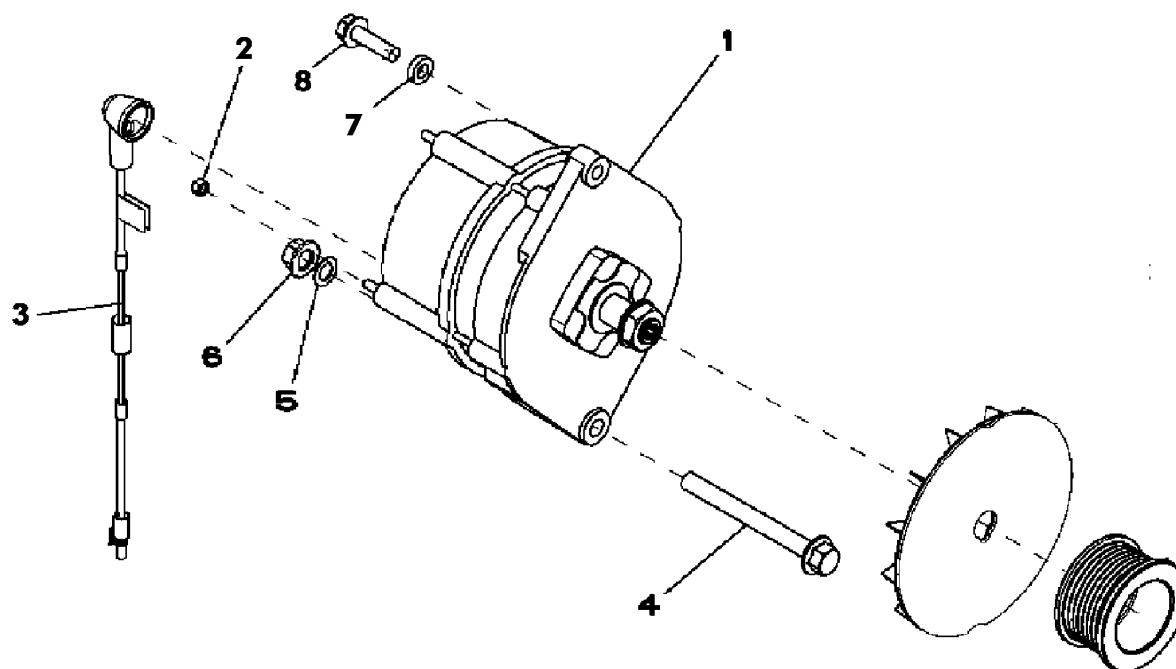
Starter



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22206213	Starter		
2	24898843	Screw, Hex Flange M10-1.5 X 30	3	

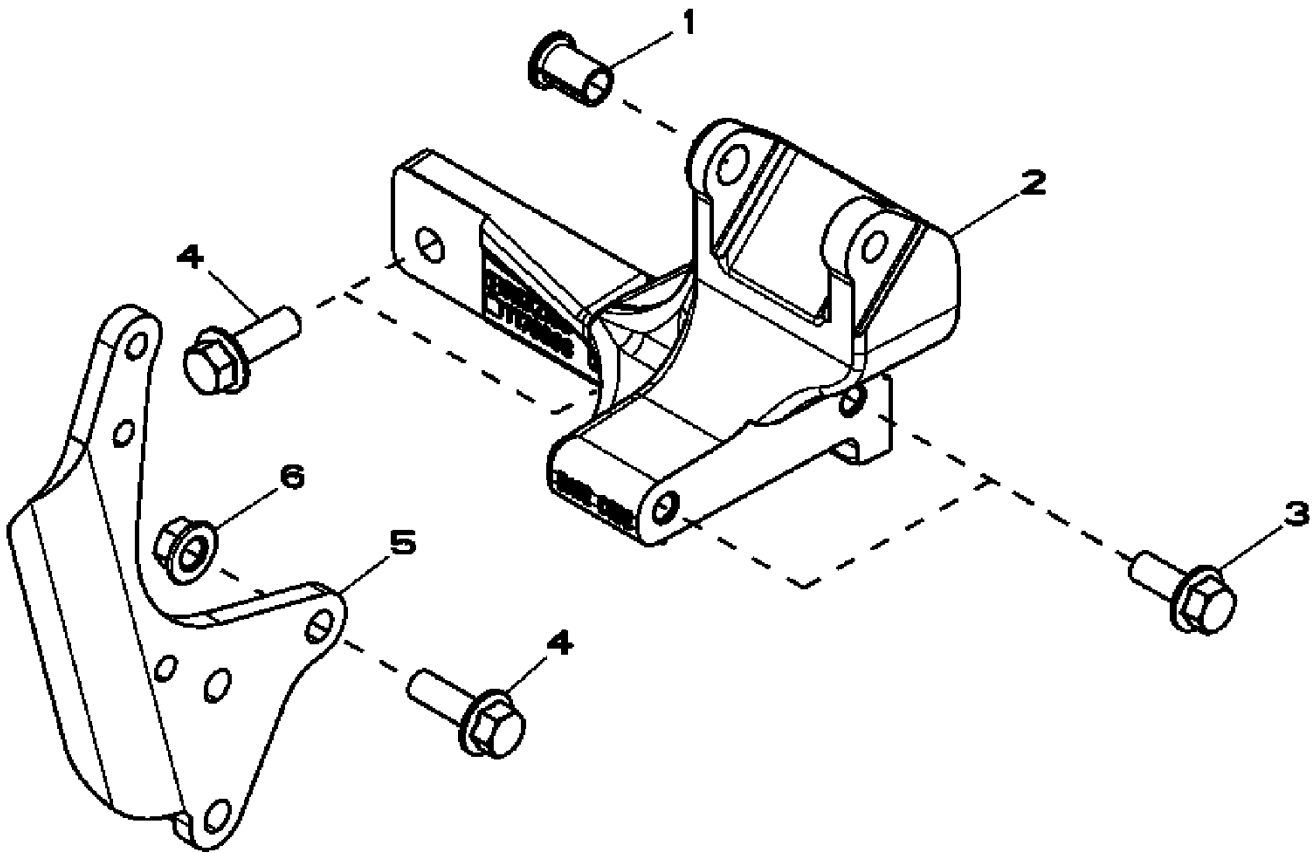
Alternator



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23229511	Alternator	1	
	22206221	Alternator (Remanufactured)	AR	
2	18963496	Nut, Hex M05-0.8	1	
3	18966077	Harness, Wiring	1	
4	24898884	Screw, Hex Flange M10-1.5 X 100	1	
5	36110112	Washer, Thrust M10	1	
6	36100188	Nut, Hex Flange M10-1.5	1	
7	36920114	Washer, Flat M08	1	
8	24898926	Screw, Hex Flange M08-1.25 X 30	1	

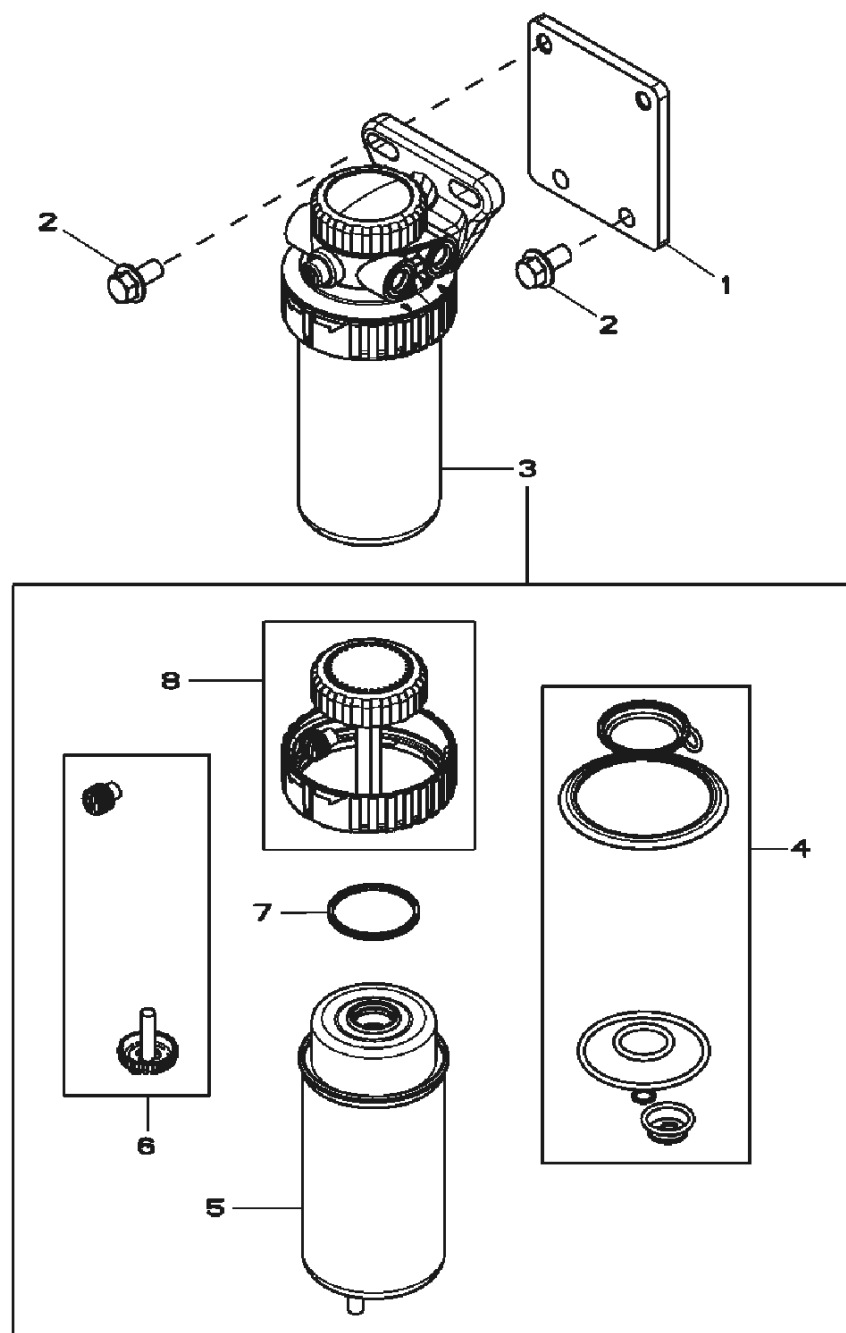
Alternator Brackets



23230925_11-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36103232	Bushing, Alternator Pivot	1	
2	36108066	Bracket, Alternator Mounting	1	
3	18969410	Screw, Hex Flange M10-1.5 X 25	2	
4	18969402	Screw, Hex Flange M10-1.5 X 30	5	
5	36108074	Strap, Alternator Adjust	1	
6	36100188	Nut, Hex Flange M10-1.5	3	

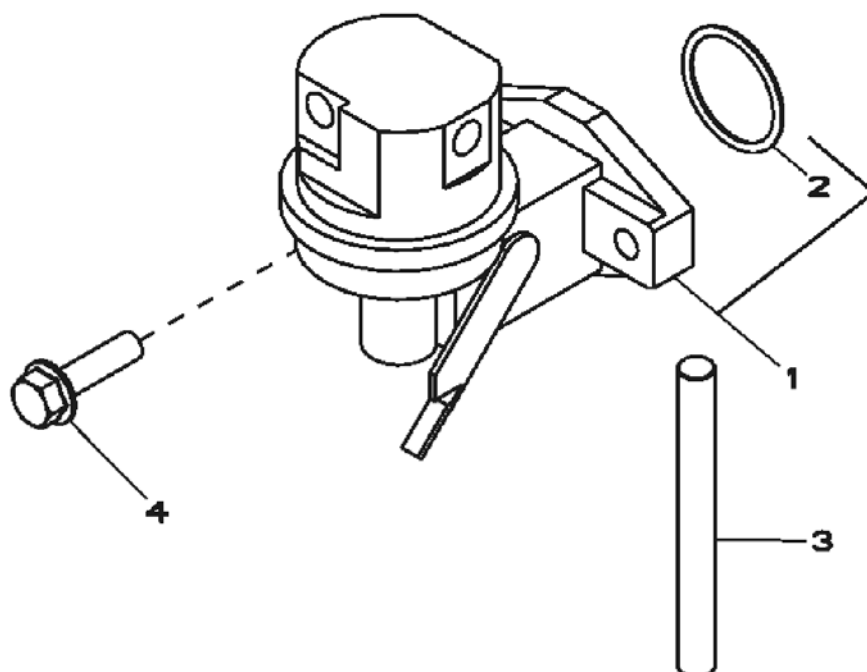
Final Fuel Filter



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	24899452	Bracket, Fuel Filter	1	
2	85470359	Screw, Hex Flange M10-1.5 X 20	4	
3	22969257	Element, Final Fuel Filter	1	
4	36114445	Kit, Seal	1	
5	22969257	Element, Fuel Filter	1	
6	36116648	Kit, Fuel Filter Drain	1	
7	24899932	Kit, O-Ring	1	
8	36114536	Kit, Fuel Filter Seal	1	

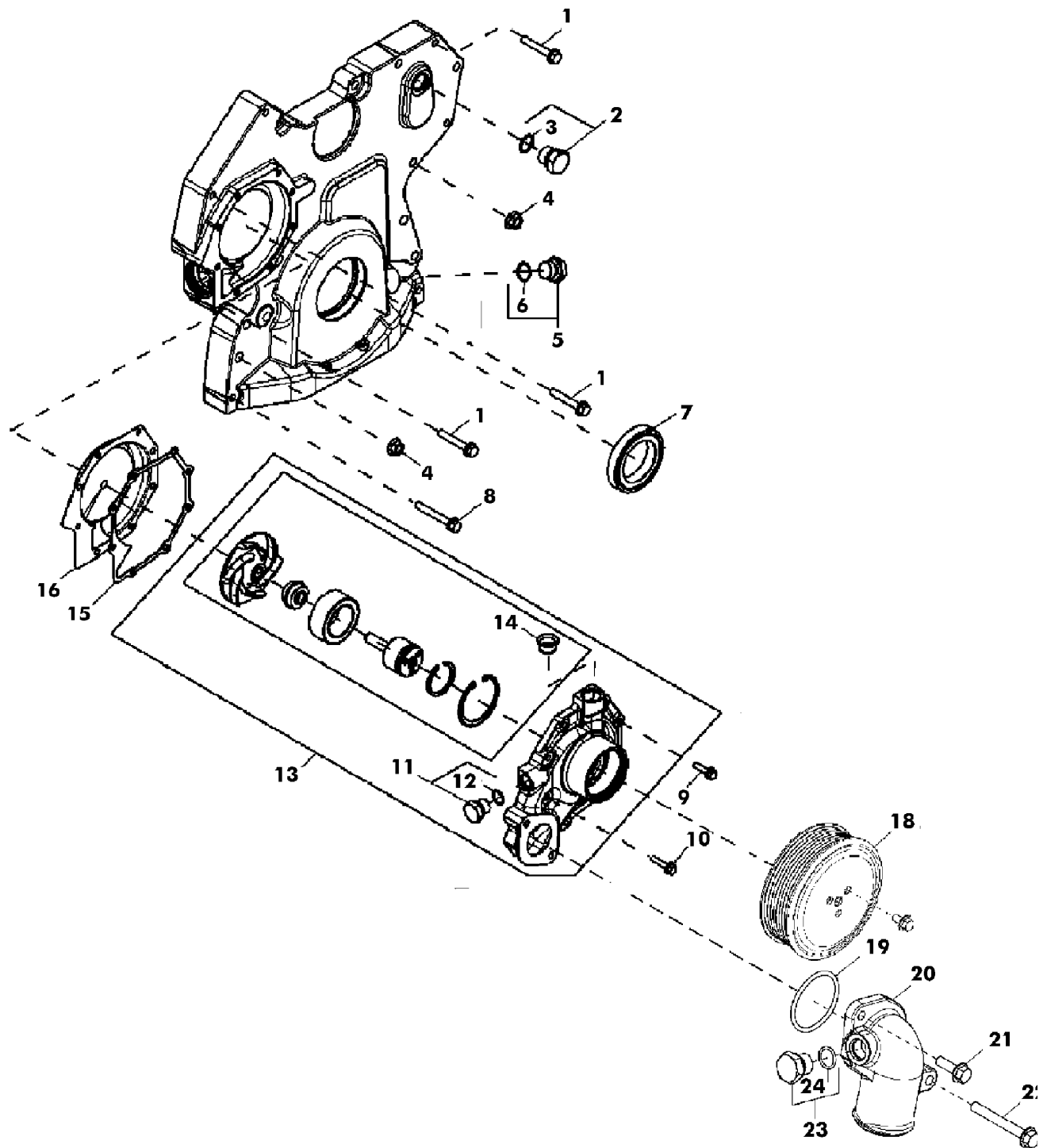
Fuel Transfer Pump



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23229982	Pump, Fuel	1	
2	36106102	O-Ring, 31.42 X 2.616 mm	1	
3	36108371	Rod, Push	1	
4	24899536	Screw, Hex Flange M08-1.25 X 30	2	

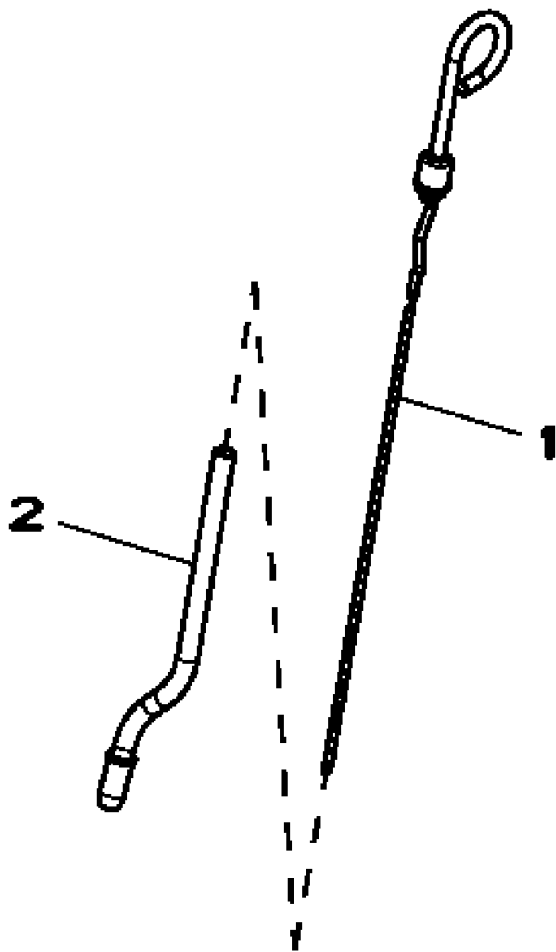
Timing Gear and Water Pump



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85471142	Screw, Hex Flange M08-1.25 X 50	5	
2	36114106	Plug w/ O-Ring, M22 -2.5 X 1.5	1	
3	85470649	O-Ring, 19.30 X 2.20 mm	1	
4	36100188	Nut, Hex Flange M10-1.5	9	
5	85473502	Plug w/ O-Ring, M20-2.5 X 1.5	1	
6	85470631	O-Ring, 17.30 X 2.20 mm	1	
7	23236961	Seal, Front	1	
8	18969428	Screw, Hex Flange M08-1.25 X 60	3	
9	85471167	Screw, Hex Flange M06-1.0 X 25	5	
10	85471183	Screw, Hex Flange M06-1.0 X 30	3	
11	36114080	Plug w/ O-Ring, M18-2.5 X 1.5	1	
12	85470623	O-Ring, 15.3 X 2.20 mm	1	
13	24899601	Pump, Water	1	
14	36106060	Gasket, Water By-Pass Tube	2	
15	36106250	Gasket, Water Pump	1	
16	36136125	Insert Kit, Water Pump	1	
17	36133403	O-Ring, 37.694 X 3.531 mm	1	
18	36105245	Pulley	1	
19	36111425	O-Ring, 37.694 X 3.531 mm	1	
20	18965087	Housing, Water Pump Inlet	1	
21	85470417	Screw, Hex Flange M08-1.25 X 25	1	
22	23110984	Screw, Hex Flange M08-1.25 X 65	1	
23	36114080	Plug w/ O-Ring, M18-2.5 X 1.5	1	
24	85470623	O-Ring, 15.3 X 2.20 mm	1	

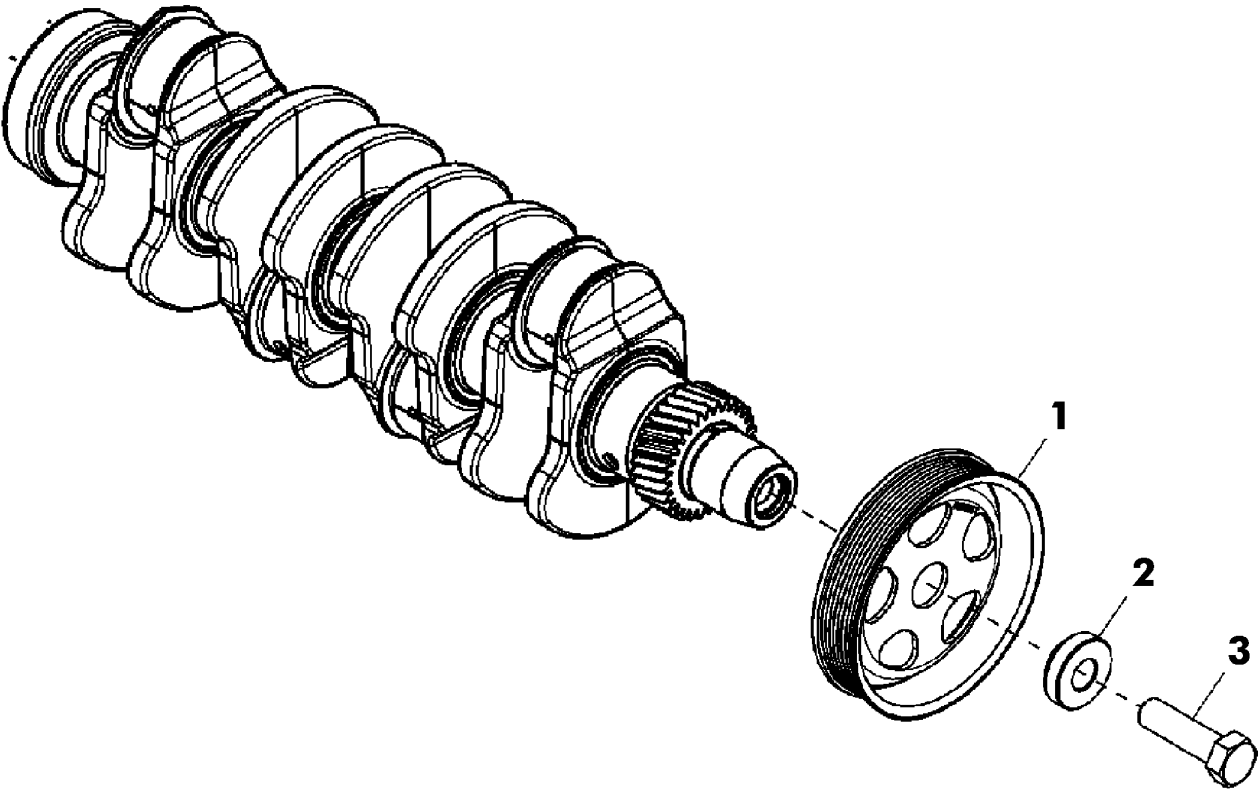
Dipstick



23230925_10-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36124899	Dipstick	1	
2	36107787	Tube, Dipstick	1	

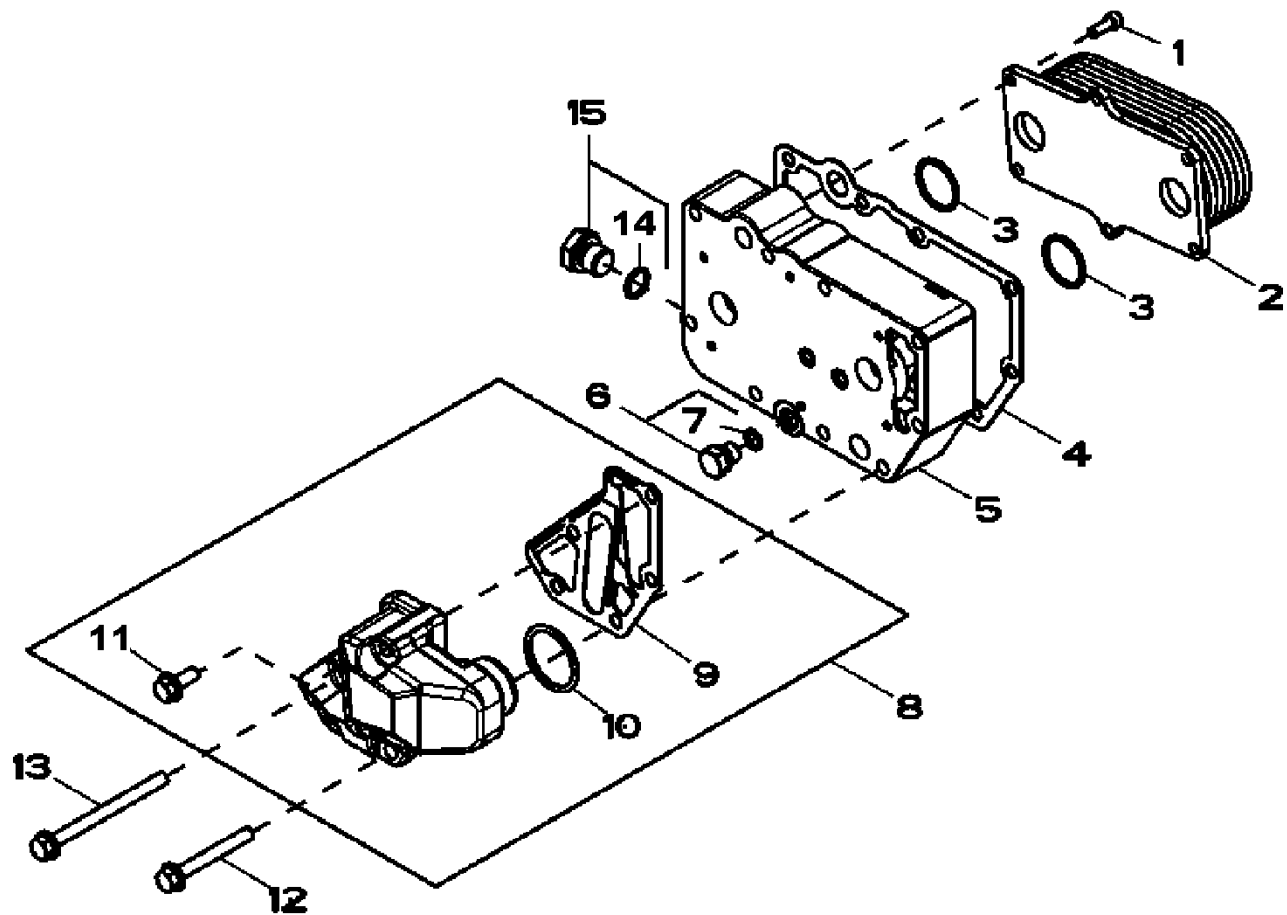
Crankshaft Pulley



23230925_11-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	18965343	Pulley, Crankshaft	1	
2	24899460	Bushing, Crankshaft Pulley	1	
3	23229610	Screw, Hex Cap M20-2.5 X 70	1	

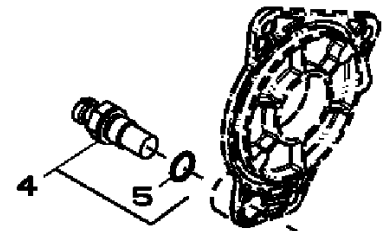
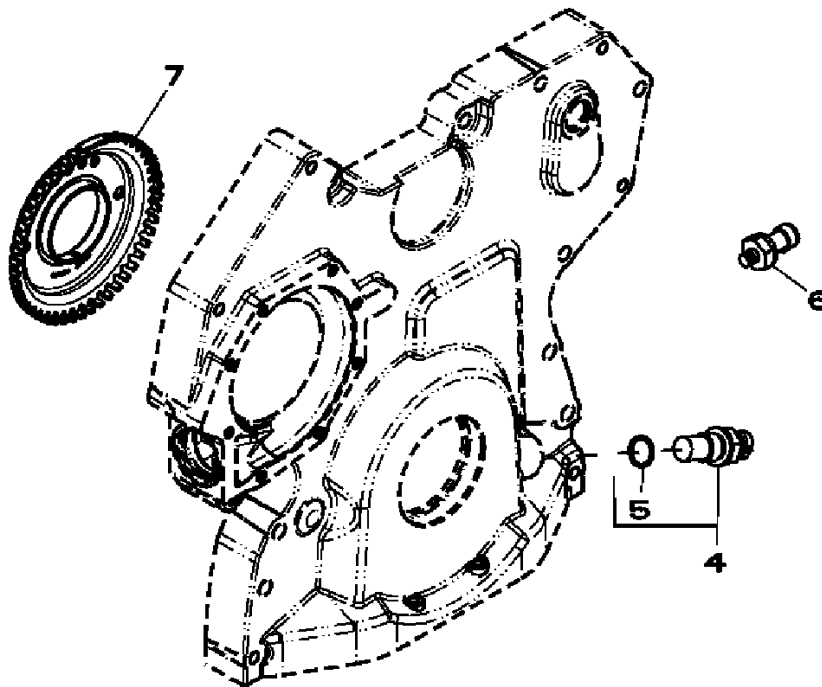
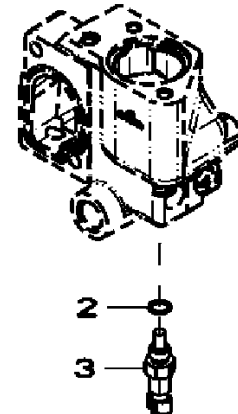
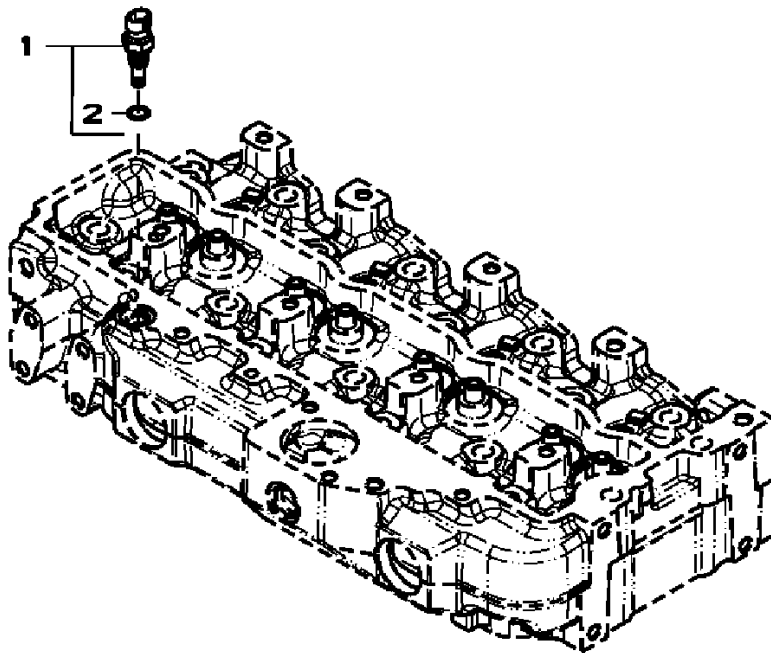
Oil Cooler



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36118131	Screw, Hex Socket Cap M06-1.0 X 16	6	
2	36115251	Cooler, Oil	1	
3	36118693	O-Ring, 29.820 X 2.616 mm	2	
4	36106607	Gasket, Oil Cooler Housing	1	
5	36106516	Housing, Oil Cooler	1	
6	36114098	Plug w/ O-Ring, M12-1.75 X 1.5	1	
7	36126019	O-Ring, 9.3 X 2.2 mm	1	
8	85473973	Kit, Oil Cooler Adapter Fitting	1	
9	85471597	Gasket, Oil Cooler Adapter	1	
10	36133403	O-Ring, 37.694 X 3.531 mm	1	
11	36118149	Screw, Hex Flange M08-1.25 X 20	1	
12	23110984	Screw, Hex Flange M08-1.25 X 65	2	
13	85470466	Screw, Hex Flange M08-1.25 X 100	2	
14	85470623	O-Ring, 15.3 X 2.20 mm	1	
15	36114080	Plug w/ O-Ring, M18-2.5 X 1.5	1	

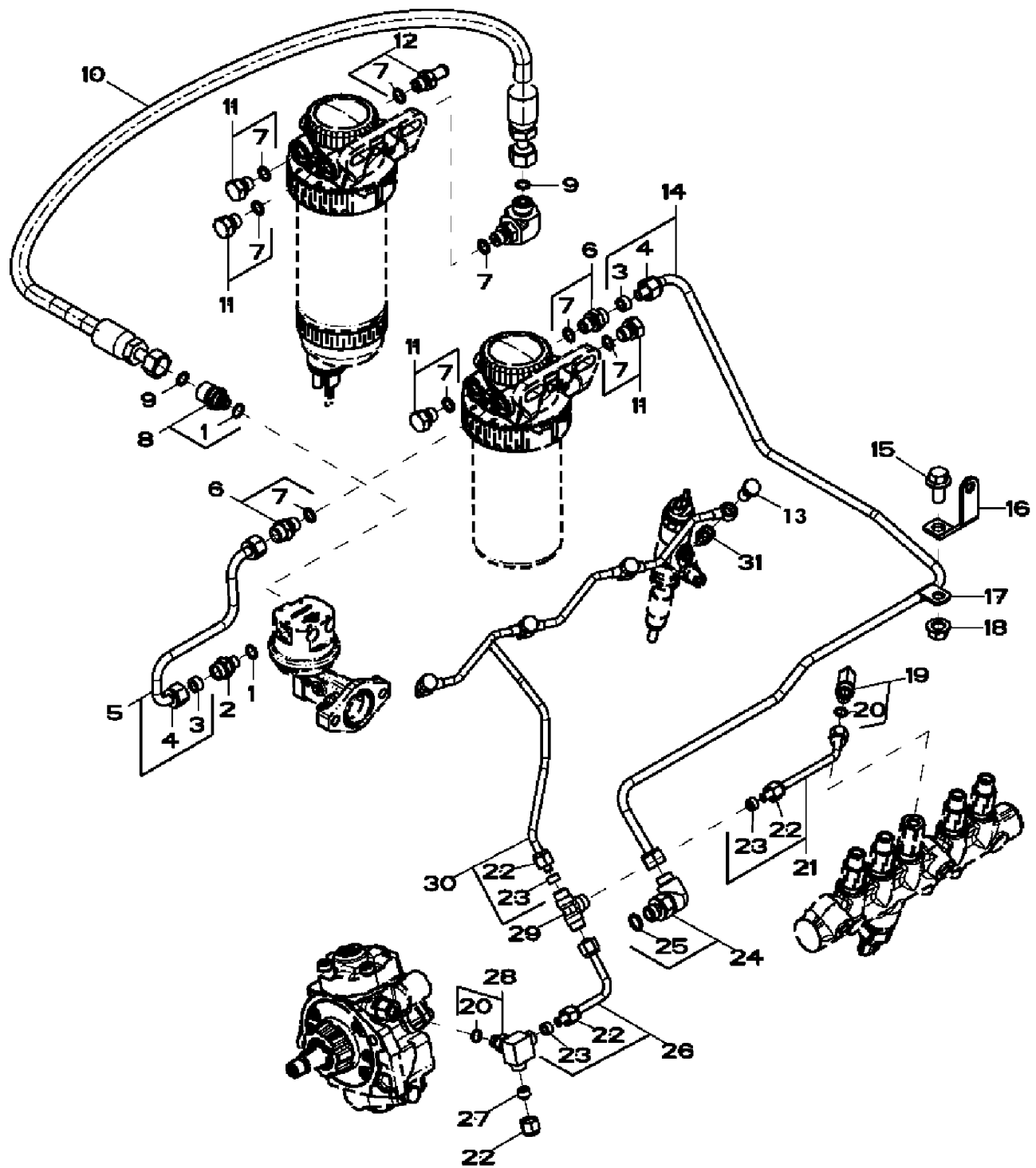
Sensors



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23230089	Thermocouple	1	
2	36128916	O-Ring, 11.30 X 2.20 mm	1	
3	22222590	Sensor, Coolant Temperature	1	
4	22222582	Sensor, Engine Speed	1	
5	85470631	O-Ring, 17.30 X 2.20 mm	1	
6	22222574	Sensor, Oil Pressure	1	
7	18964932	Wheel, Speed Sensor	1	

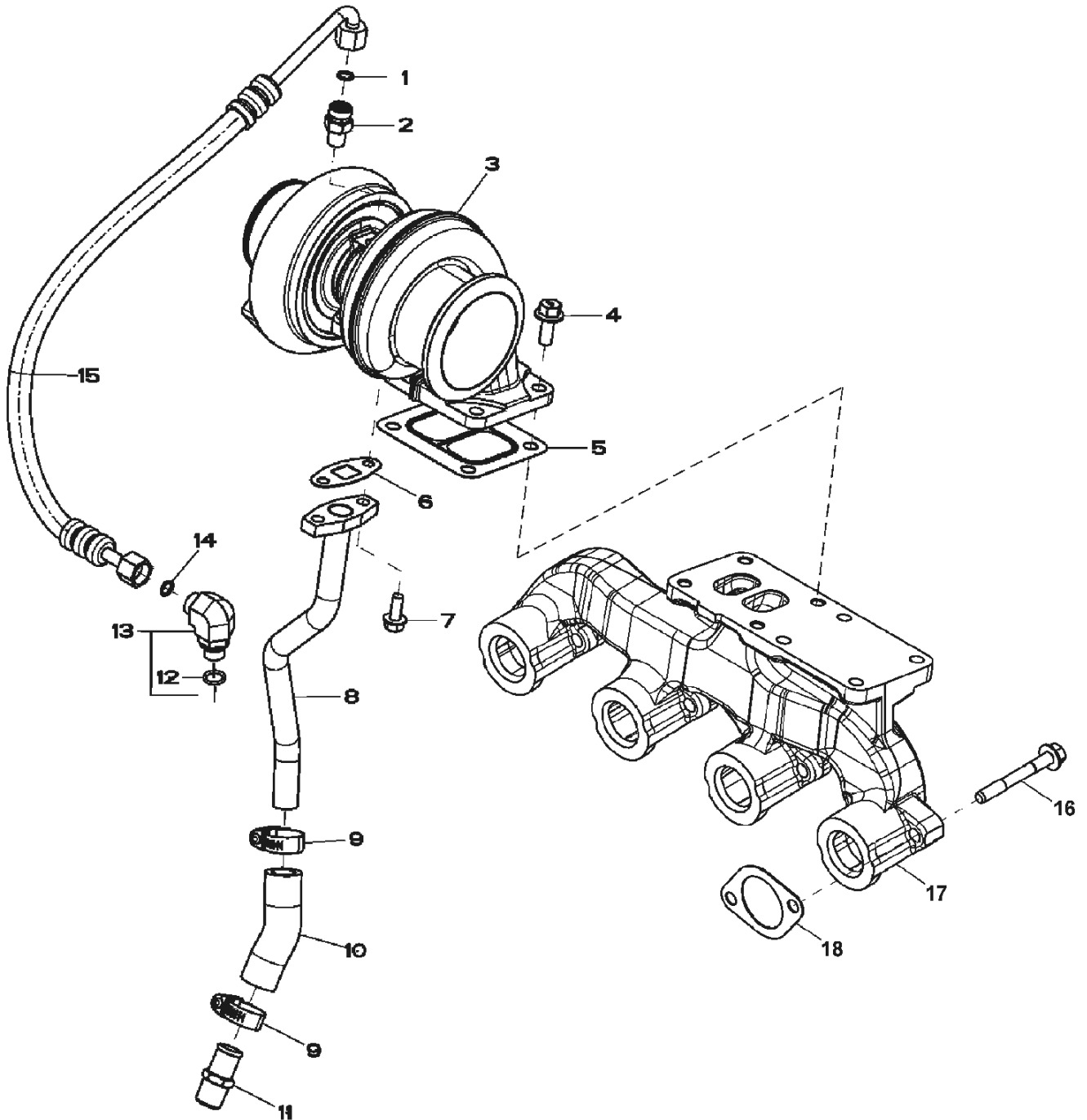
Fuel Lines



23230925_11-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36129575	O-Ring, 10.10 X 1.60 mm	2	
2	24899247	Fitting, Hex M10 X 1 X 9/16-24UNEF	2	
3	36126001	Washer, Sealing 7 mm	1	
4	85471829	Nut, Tube	1	
5	24899882	Line, Fuel Pump to Fuel Filter	1	
6	36116242	Adapter w/ O-Ring	2	
7	36126019	O-Ring, 9.3 X 2.2 mm	1	
8	23229941	Fitting, Hose	1	
9	36119808	O-Ring, 9.246 X 1.778 mm	2	
10	23229925	Line, Fuel	1	
11	36114098	Plug w/ O-Ring, M12-1.75 X 1.5	4	
12	23229917	Fitting, M12-1.75 X Barbed	1	
13	24899080	Screw, Hollow	4	
14	23230105	Line, Fuel	1	
15	85470359	Screw, Hex Flange M10-1.5 X 20	1	
16	361375896	Bracket	1	
17	36118750	Clamp, Fuel Line	1	
18	36100188	Nut, Hex Flange M10-1.5	1	
19	24899528	Fitting, 90° Elbow M10-1.5 X 1/2-24UNS	1	
20	24899106	O-Ring, 8.10 X 1.60 mm	1	
21	23230030	Line, Fuel	1	
22	36106821	Nut, Tube 1/2-24UNS	7	
23	36126050	Washer, Sealing 5 mm	6	
24	23230097	Fitting, 90° Elbow M14-2.0 X 9/16-24UNEF	1	
25	36128916	O-Ring, 11.30 X 2.20 mm	1	
26	23230238	Line, Fuel	1	
27	36101962	Plug w/ Sleeve	1	
28	23230048	Fitting	1	
29	36111912	Fitting, Tee	1	
30	23230220	Line, Fuel	1	
31	23229826	Washer, Sealing	4	

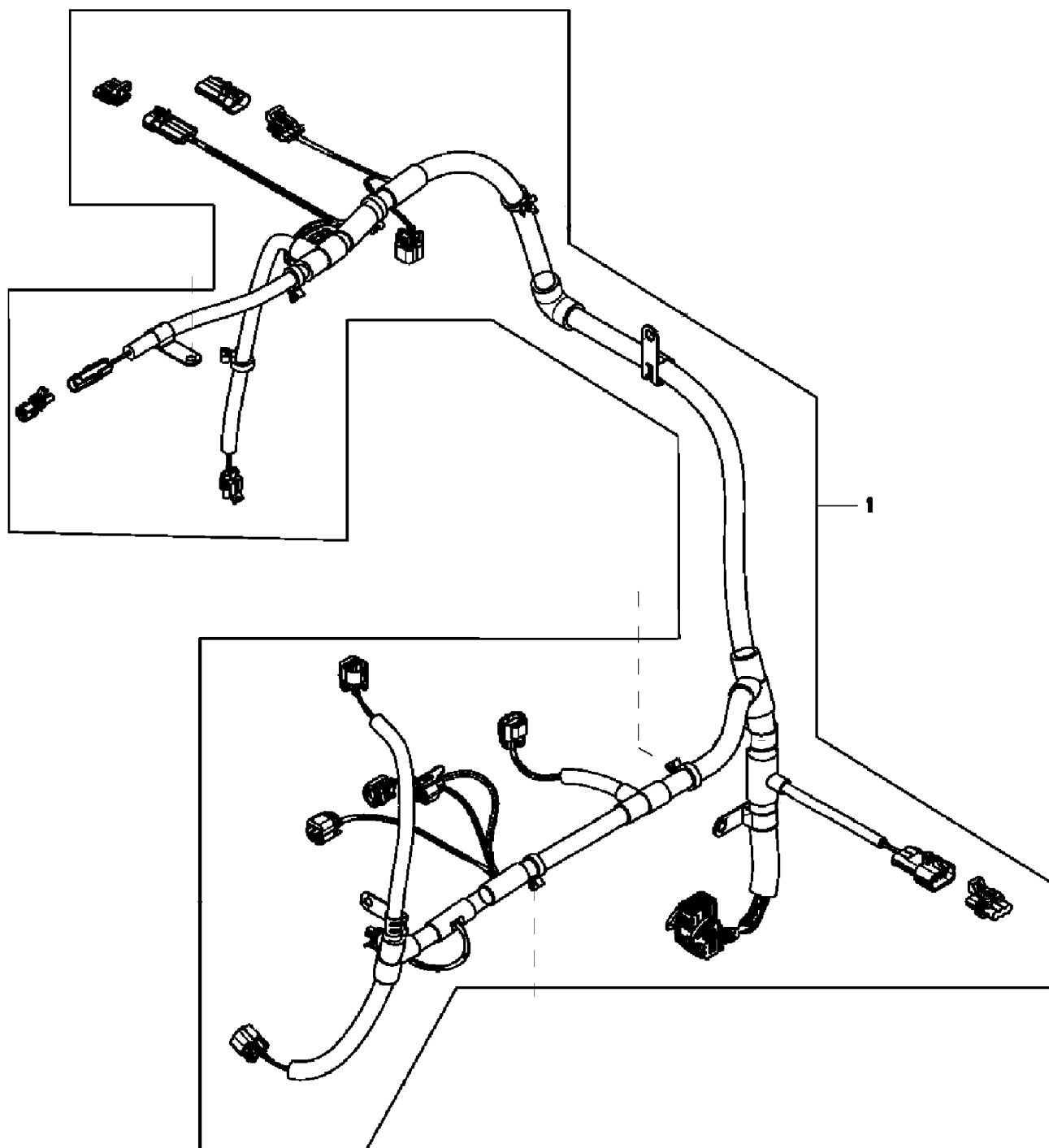
Exhaust Manifold and Turbo



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36110054	O-Ring, 9.246 X 1.778 mm	1	
2	36103182	Adapter, 1/4-18 NPT X 11/16-16	1	
3	23230261	Turbocharger	1	
4	23229800	Screw, Hex Flange M10-1.75 X 25	4	
5	36106755	Gasket, Turbo / Exhaust	1	
6	36106748	Gasket, Turbo Oil Outlet	1	
7	23110497	Screw, Hex Flange M08-1.25 X 20	2	
8	23230253	Line, Oil	1	
9	36117885	Clamp, Hose	2	
10	23229859	Hoise	1	
11	85474054	Fitting, 1/2-14 NPTF X Hose	1	
12	85470615	O-Ring, 13.30 X 2.20 mm	1	
13	85470573	Elbow, M16-2.0 X 11/16-16	1	
14	36119808	O-Ring, 9.246 X 1.778 mm	1	
15	85473676	Line, Turbo Oil Inlet	1	
16	23229776	Screw, Hex Flange M10-1.75 X 80	8	
17	23229875	Manifold, Exhaust	1	
18	23229628	Gasket, Exhaust Manifold	4	

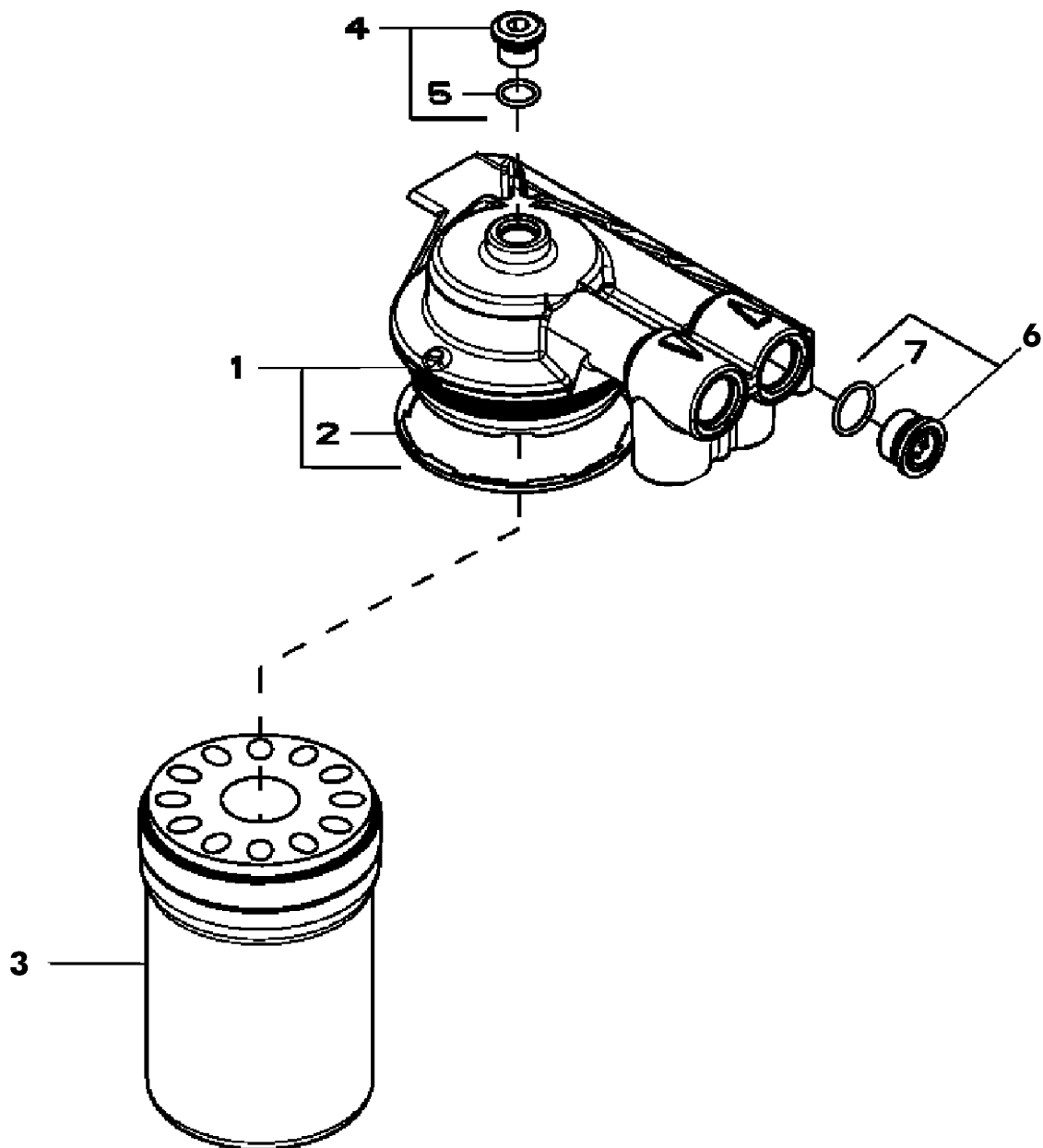
Engine Wiring Harness



23230925_11-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23230204	Harness, Engine	1	

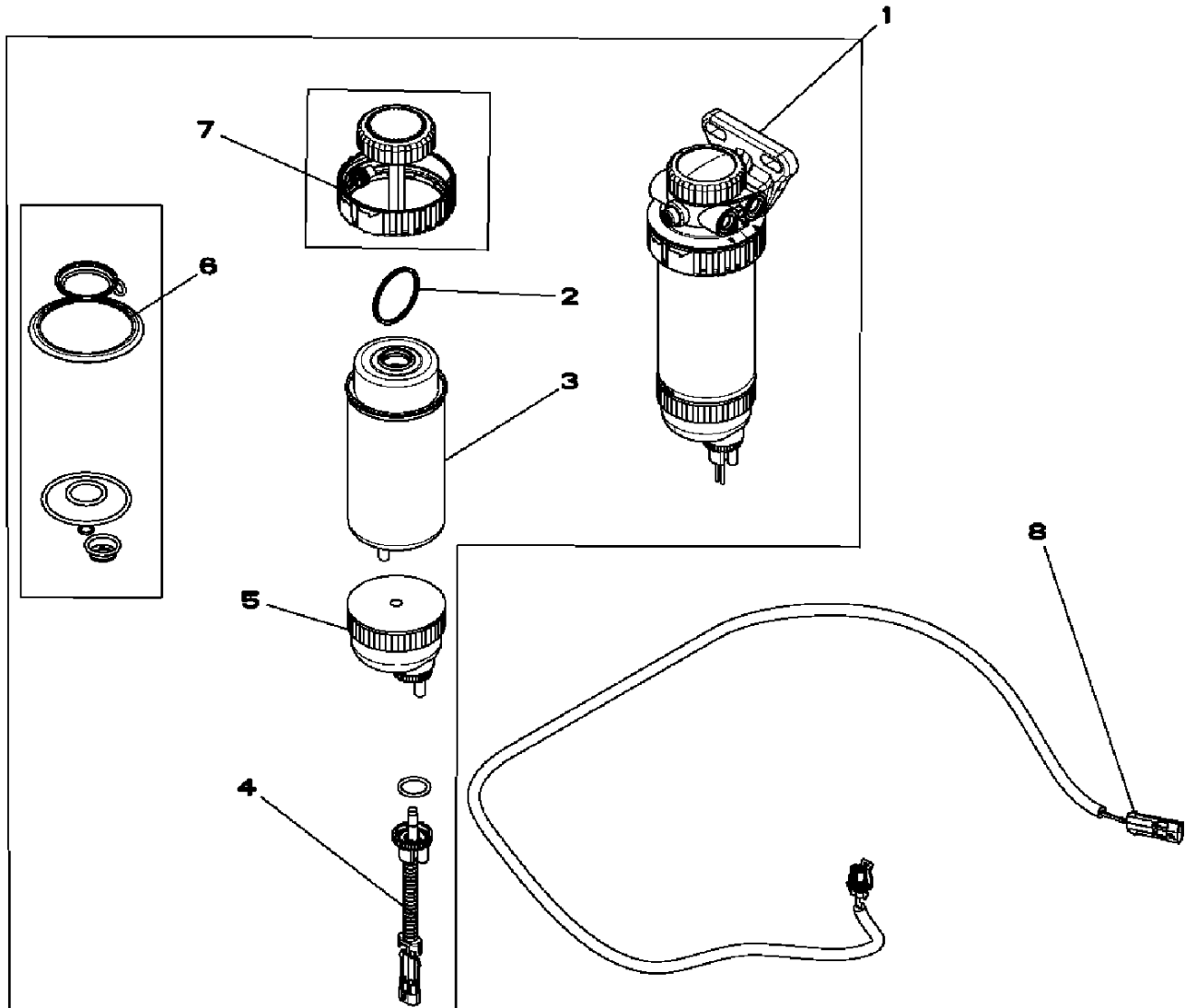
Oil Filter



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	24899320	Filter Head	1	
2	24899304	Seal	1	
3	22206148	Element, Oil Filter	1	
4	85471811	Plug, Drain M16-2.0 X 1.5	1	
5	85470615	O-Ring, 13.3 X 2.2 mm	1	
6	23229933	Plug, Drain M22-2.5 X 1.5	2	
7	85470649	O-Ring, 19.3 X 2.2 mm	2	

Primary Fuel Filter



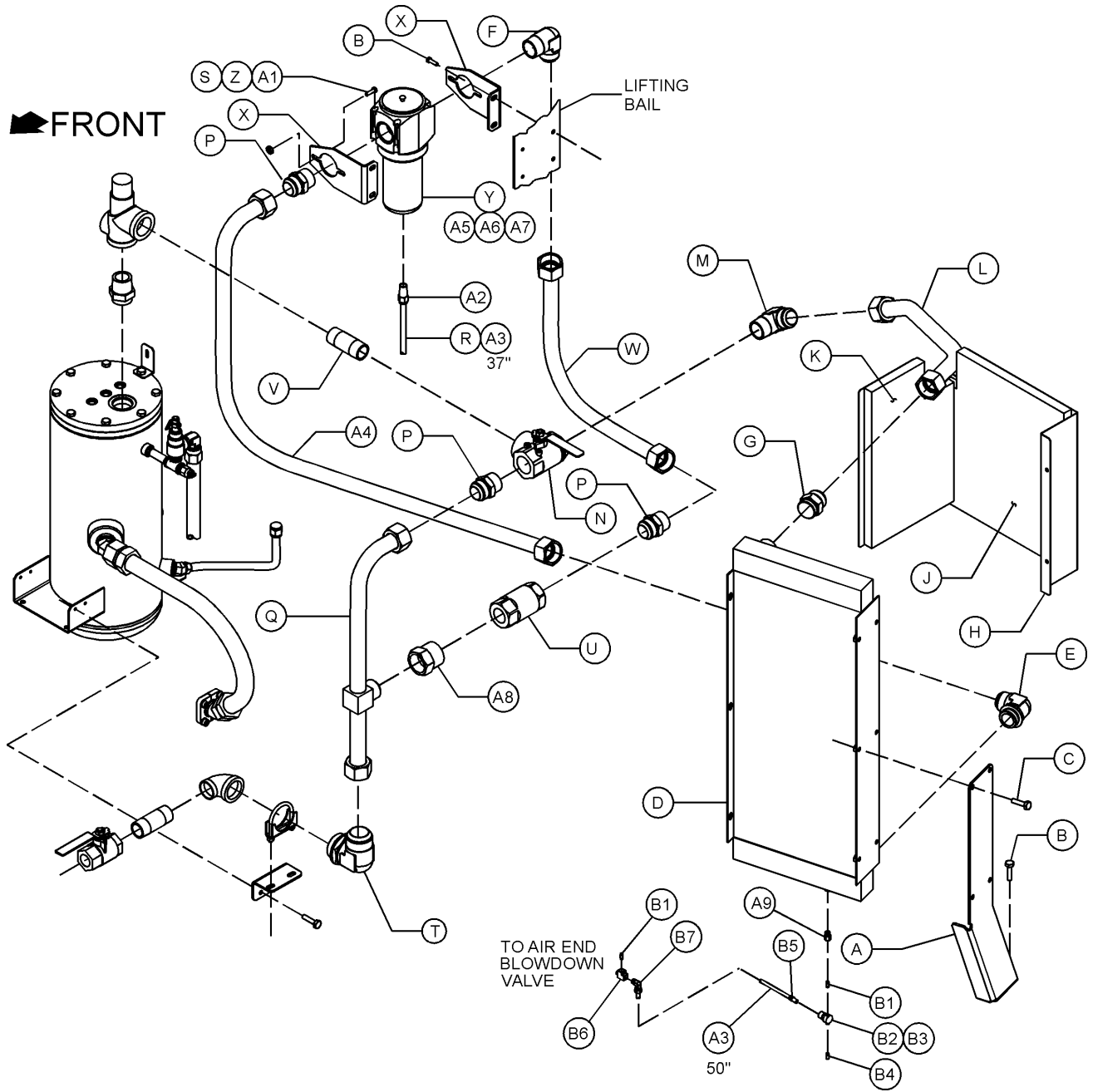
23230925_11-07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23230063	Filter Assembly, Primary Fuel	1	
2	24899932	Kit, O-Ring	1	
3	22969265	Element, Primary Fuel Filter	1	
4	23229990	Sensor, Moisture	1	
5	36114544	Bowl, Sediment	1	
6	36114445	Kit, Seal	1	
7	36114536	Kit, Fuel Filter Seal	1	
8	23236946	Harness, Wiring	1	



Section D - OPTION PARTS

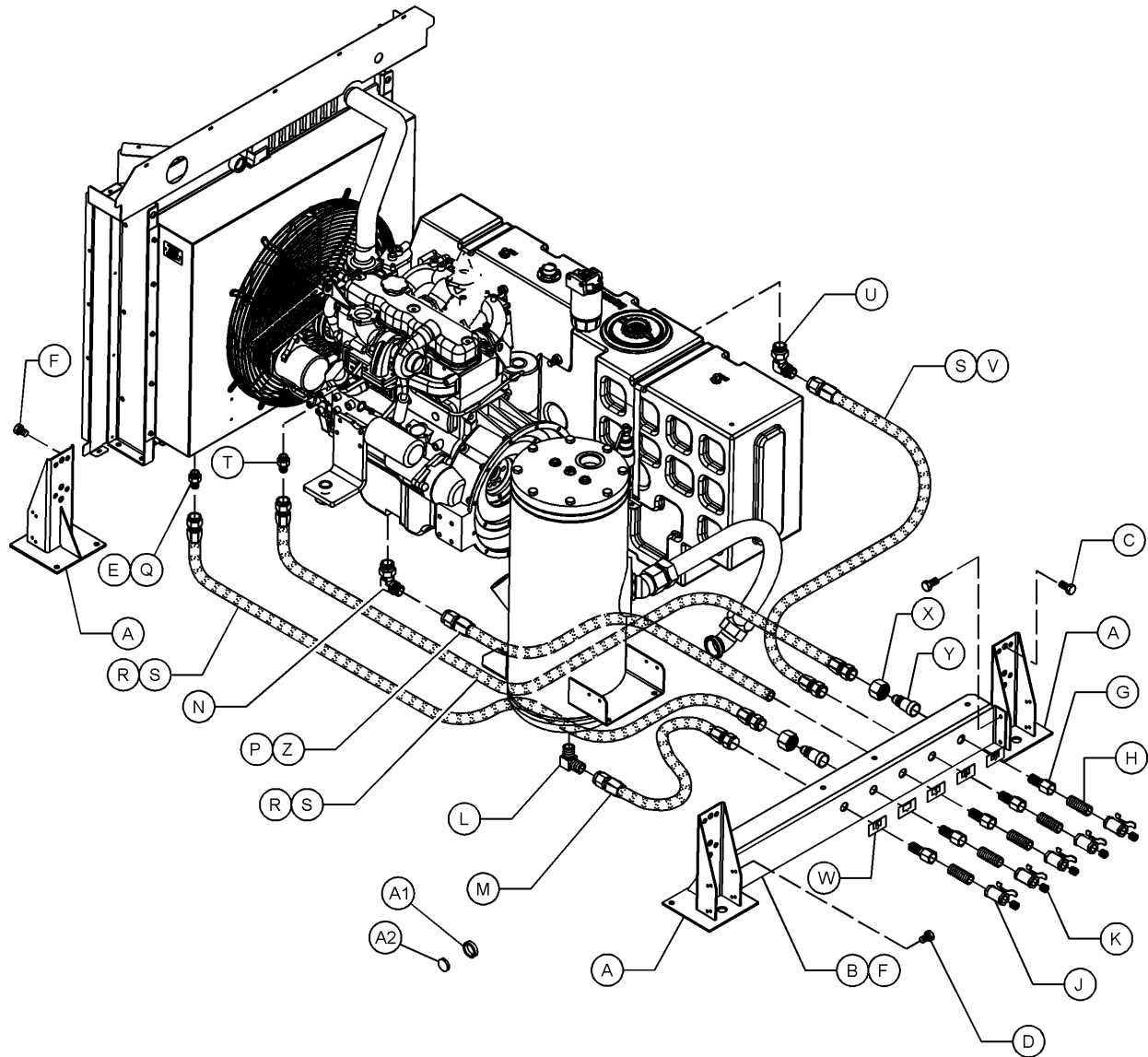
Aftercooler with Water Separator
Aftercooler with Water Separator



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54761622	Bracket, Aftercooler Mounting	1	See Lengths Above
B	35279025	Screw, Tapping M08-1.25 X 20	8	
C	96702279	Screw, Hex M10-1.50 X 20	2	
D	54660162	Aftercooler	1	
E	95431292	Elbow, 90° 1.88-12 X -12 JIC	1	
F	95949749	Elbow, 90° 1.5" NPT X 1.88-12	1	
G	35296409	Connector, 1.88-12 X -24 JIC	1	
H	22070908	Baffle, Front Aftercooler	1	
J	22074504	Panel, Aftercooler Interior Baffle	1	
K	22074488	Panel, Aftercooler Interior Baffle	1	
L	54759691	Tube, Separator Tank to Aftercooler	1	
M	95279477	Elbow, 90° 1.5" NPT X -24 JIC	1	
N	22258339	Valve, 3-Way 1.5" NPT	1	
P	95208682	Adapter, Swivel 1.50" NPT X 1.88-12 UNF	3	
Q	54671135	Tube, Separator Tank to Service Pipe	1	
R	35253038	Clamp, 3/8" Rubber Support	1	
S	95934899	Washer, Flat 3/8"	4	
T	95279477	Elbow, 90° 1.5" NPT X -24 JIC	1	
U	36786820	Valve, Check 1.50" NPT	1	
V	95487773	Nipple, Closed 1.5" NPT X 1.75"	1	
W	35142116	Hose, -24 JIC X 47.0"	1	
X	36882884	Bracket, Filter Mounting	2	
Y	36882728	Separator, Water 1.50" NPT	1	
Z	35271162	Screw, Hex M08-1.25 X 30	4	
A1	36881886	Nut, Hex Flange M08-1.25	4	
A2	35379700	Connector, 1/8" NPT X 3/8" Tube	1	
A3	35356484	Tubing, 3/8" OD Synflex	~	
A4	35117472	Hose, -24 JIC X 62"	1	
A5	36883270	Cap, Water Separator	AR	
A6	36883098	Kit, Water Separator	AR	
A7	35378231	Kit, Drain	AR	
A8	36883155	Adapter, 1.5" NPT to 1.88-12 UNF	1	
A9	35293687	Adapter, 9/16-18 to 1/4" NPT	1	
B1	95944575	Nipple, Closed 1/4" NPT X 7/8"	2	
B2	35322379	Valve, Blowdown	1	
B3	35379064	Diaphragm Repair Kit	AR	
B4	36766756	Orifice, Muffler .140	1	
B5	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	1	
B6	35114545	Tee, Street 1/4" NPT	1	
B7	35369354	Elbow, 90° Male 1/4" NPT X 3/8 Tube	1	

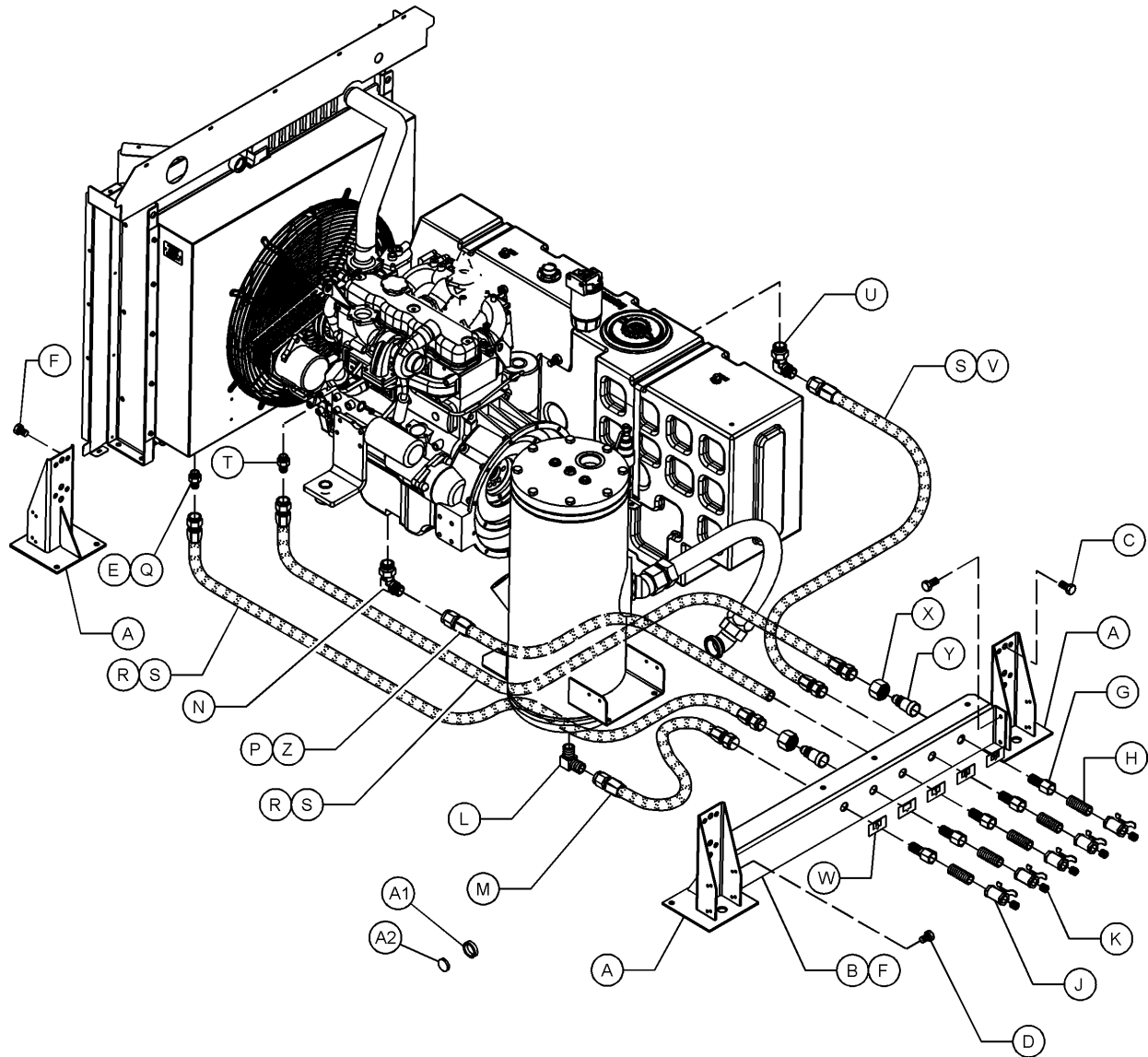
Central Drains
Central Drains



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36882355	Support, Rear	4	<i>Continued...</i>
B	22072318	Bracket, Central Drains	1	
C	36879302	Screw, Hex Flange M16-2.0 X 50	4	
D	92972140	Screw, Tapping M08-1.25 X 16	4	
E	35278571	O-Ring	1	
F	36888055	Screw, Hex Flange M12-1.75 X 30	8	
G	35287747	Bulkhead Fitting	5	
H	95928040	Nipple, Closed 3/4" NPT X 1.38"	5	
J	36777399	Valve, Ball 3/4"	5	
K	95947149	Plug, Hex Countersink 3/4" NPT	5	
L	36885093	Elbow, 90° Long -12 O-Ring to -12 JIC	1	
M	35323799	Hose, -12 J IC X 27"	1	
N	36883395	Elbow, 90° M18-1.5 to 5/8" Hose	1	

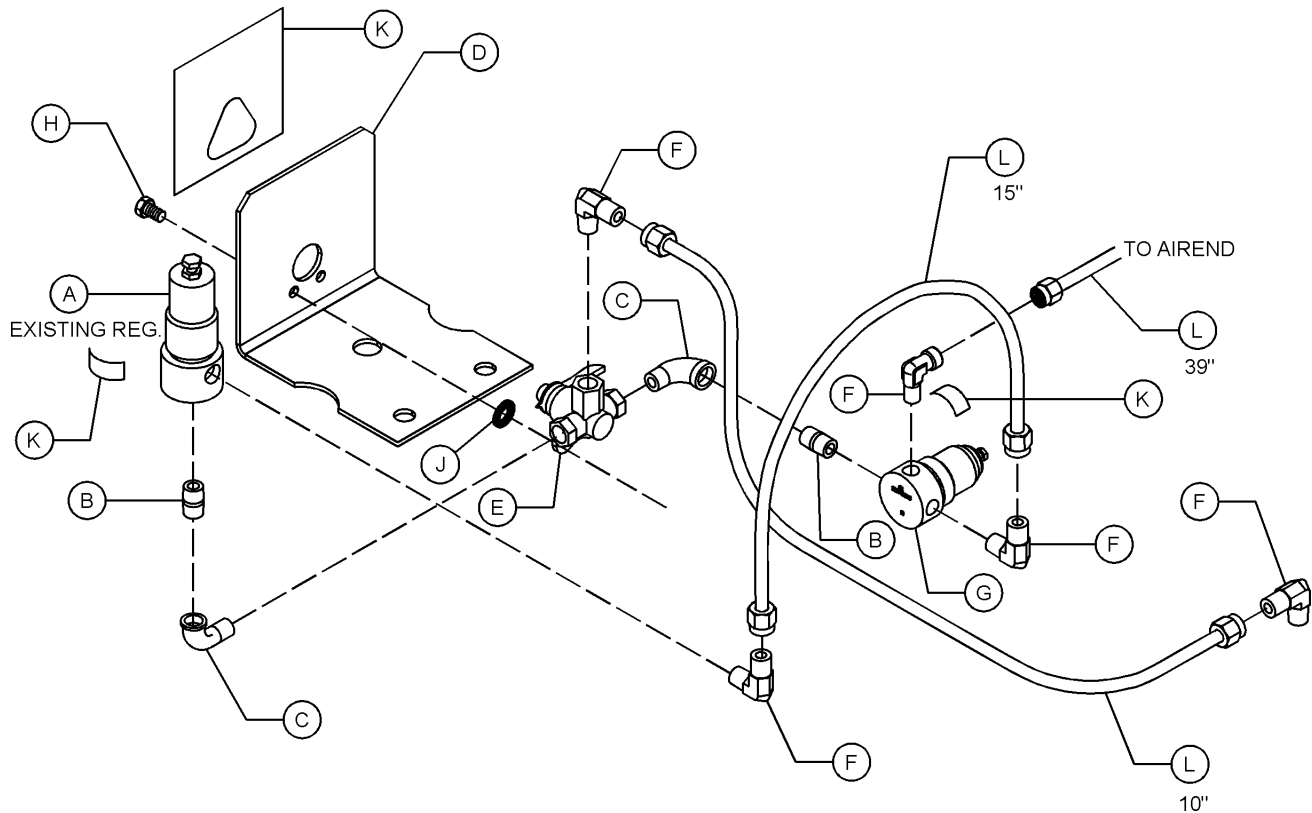
Central Drains



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	35290378	Hose Assembly, -12 X 68"	1	Continued
Q	35287895	Connector, 9/16-18 to -8 JIC	1	
R	35305481	Hose Assembly, -8 JIC X 88"	2	
S	35119379	Clamp, 1/2" Rubber Support	9	
T	35283134	Connector, 1/4" NPT to -8 JIC Swivel	1	
U	35294750	Elbow, 90° 1.06-12 SAE to -12JIC	1	
V	35376110	Hose Assembly, 12 JIC X 54"	1	
W	54629977	Decal, Central Drains	1	
X	35324987	Nut, Tube -12	2	
Y	35365774	Reducer, -12 JIC TO -8 JIC	2	
Z	95220844	Clamp, Worm Gear Hose	1	
A1	36893634	Grommet. Clearance Light	2	
A2	35367051	Lamp, Yellow Clearance	2	

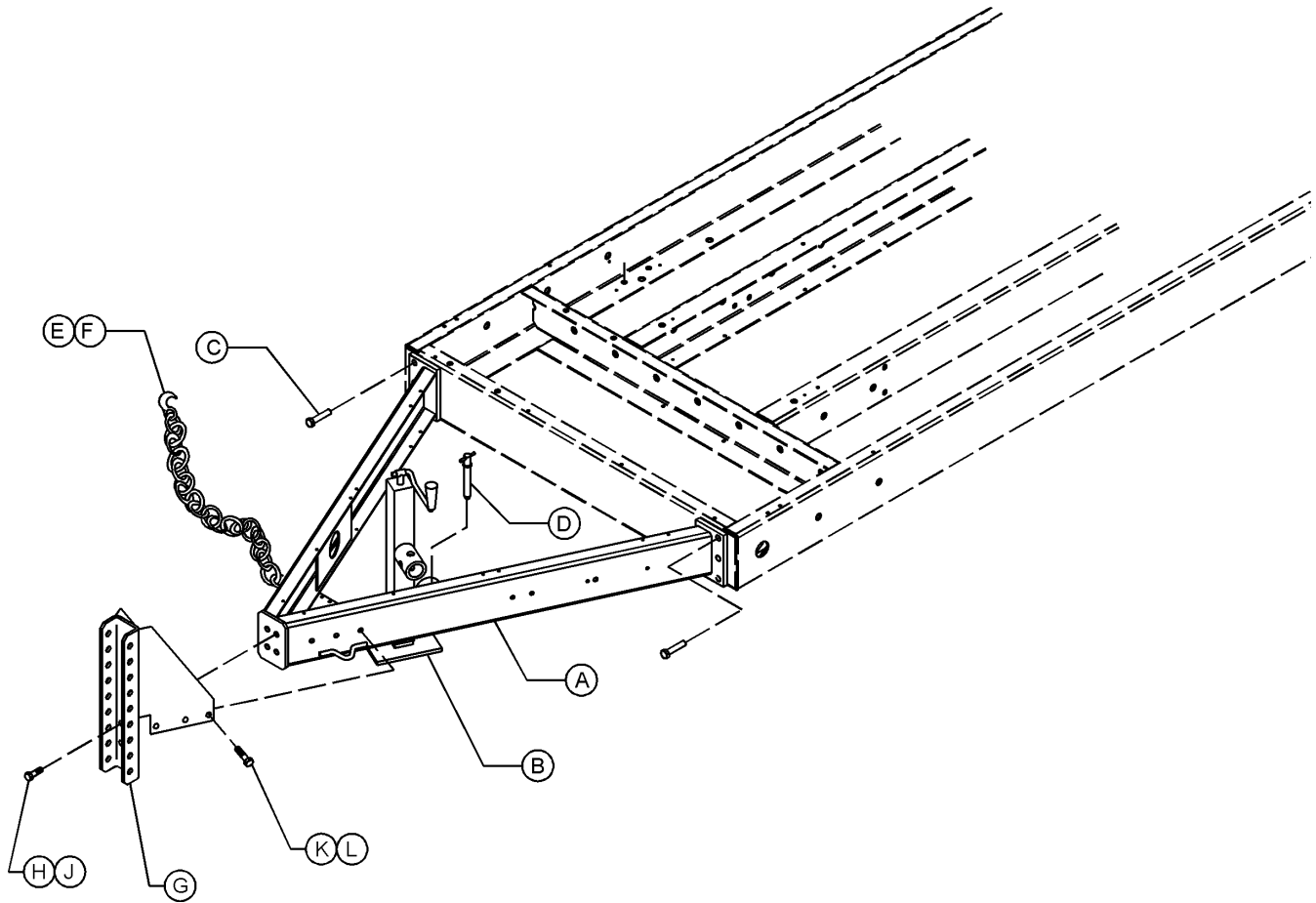
Dual Pressure Regulation
Dual Pressure Regulation



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36896892	Regulator, Pressure 200 PSI	1	Low Pressure
B	95667341	Nipple, Closed 1/4" NPT X 7/8"	2	
C	95944666	Elbow, Street 90° 1/4" NPT	2	
D	22489231	Bracket, Dual Regulation	1	
E	22489223	Valve, 3-Way	1	
F	35369354	Elbow, 90° Male 1/4" NPT X 3/8 Tube	5	
G	36847952	Valve, Pressure Regulator 100 PSI	1	
H	95183158	Screw, Hex #10-24 X 7/16"	2	
J	95916110	Washer, Flat 1/4"	2	
K	22501316	Decal, Dual Regulation	1	
L	35356484	Tubing, 3/8" OD Synflex	~	See Lengths Above
	35387919	Kit, Low Pressure Regulator Repair	AR	

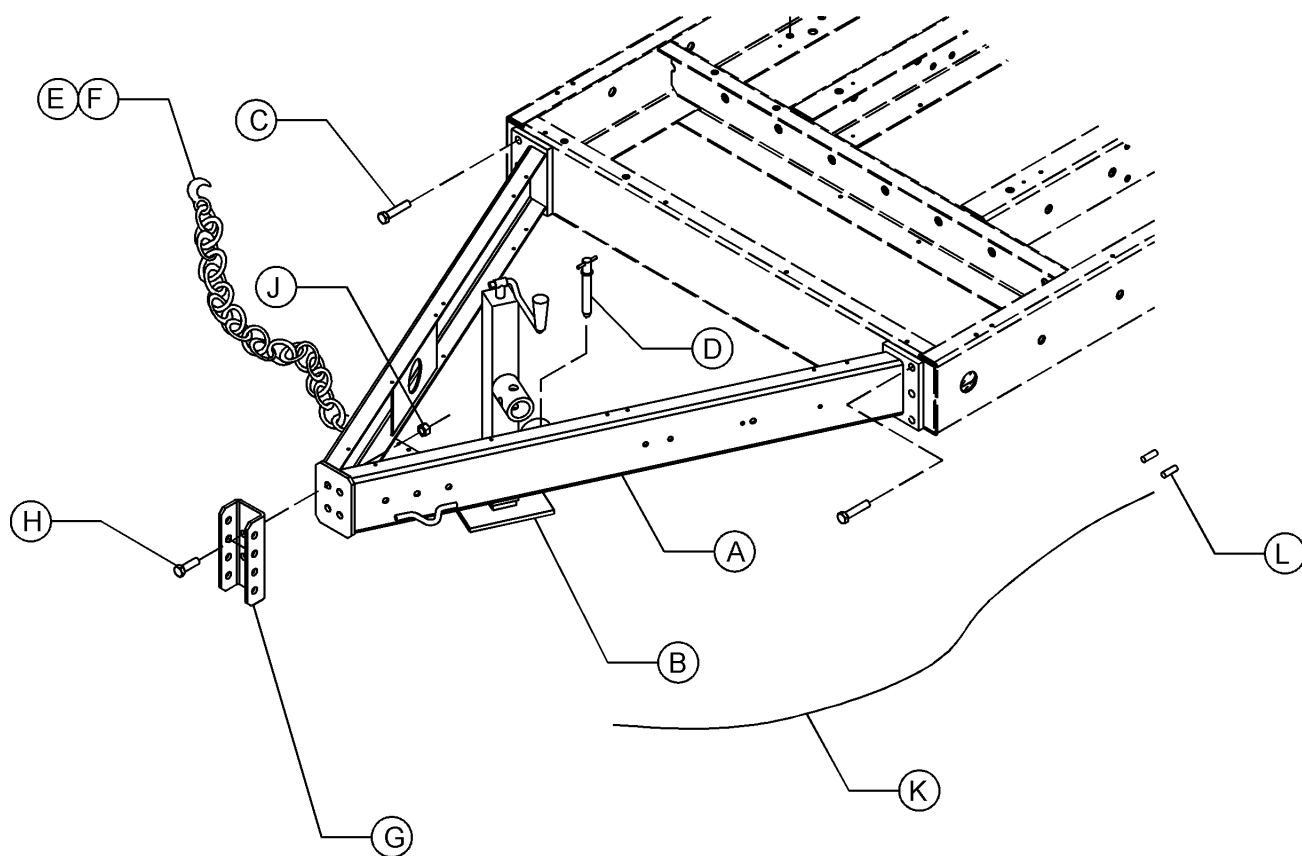
Adjustable Height Drawbar



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36876621	Drawbar, Standard	1	
B	54443577	Jack, Screw	1	
C	36879302	Screw, Hex Flange M16-2.0 X 50	6	
D	35609544	Pin, Quick Release	1	
E	22144521	Chain Assembly	2	
F	35372432	Lock, Coupling	2	
G	36882017	Channel, Adjustable Height	1	
H	96703962	Screw, Hex M16-2.0 X 50	4	
J	36879211	Nut, Hex Flange M16-2.0	4	
K	35252758	Screw, Hex Lock 1/2-13 X 1.0"	6	
L	35252618	Nut, Lock Washer 1/2-13	6	

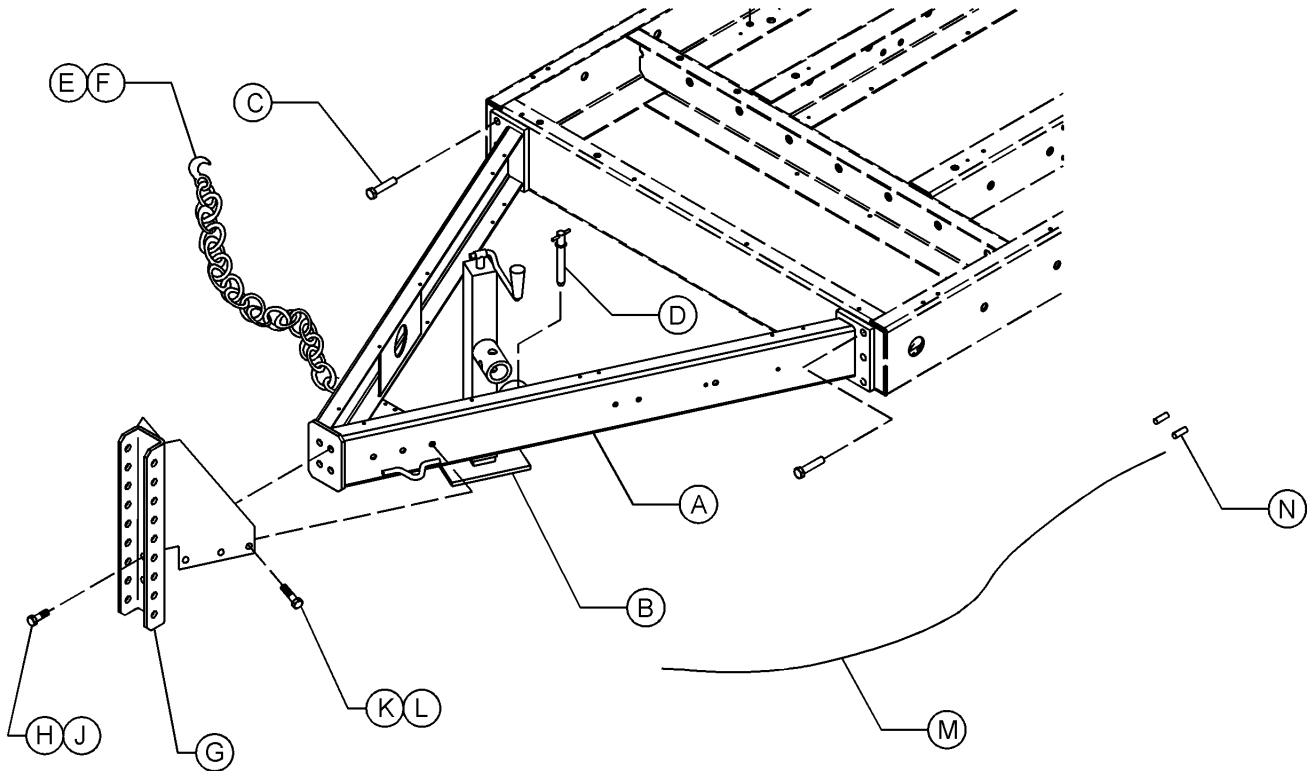
Extended Drawbar
Extended Drawbar



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881191	Drawbar, Extended	1	
B	54443577	Jack, Screw	1	
C	36879302	Screw, Hex Flange M16-2.0 X 50	6	
D	35609544	Pin, Quick Release	1	
E	22144521	Chain Assembly	2	
F	35372432	Lock, Coupling	2	
G	36757284	Channel, Pintel Eye	1	
H	96703962	Screw, Hex M16-2.0 X 50	4	
J	36879211	Nut, Hex Flange M16-2.0	4	
K	35120005	Wire, Black 14 AWG	40"	
L	37140365	Splice, Insulated	2	

Extended / Adjustable Height Drawbar



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881191	Drawbar, Extended	1	
B	54443577	Jack, Screw	1	
C	36879302	Screw, Hex Flange M16-2.0 X 50	6	
D	35609544	Pin, Quick Release	1	
E	22144521	Chain Assembly	2	
F	35372432	Lock, Coupling	2	
G	36882470	Channel, Adjustable Height	1	
H	96703962	Screw, Hex M16-2.0 X 50	4	
J	36879211	Nut, Hex Flange M16-2.0	4	
K	35252758	Screw, Hex Lock 1/2-13 X 1.0"	6	
L	35252618	Nut, Lock Washer 1/2-13	6	
M	35120005	Wire, Black 14 AWG	40"	
N	37140365	Splice, Insulated	2	

Full Gauge Panel



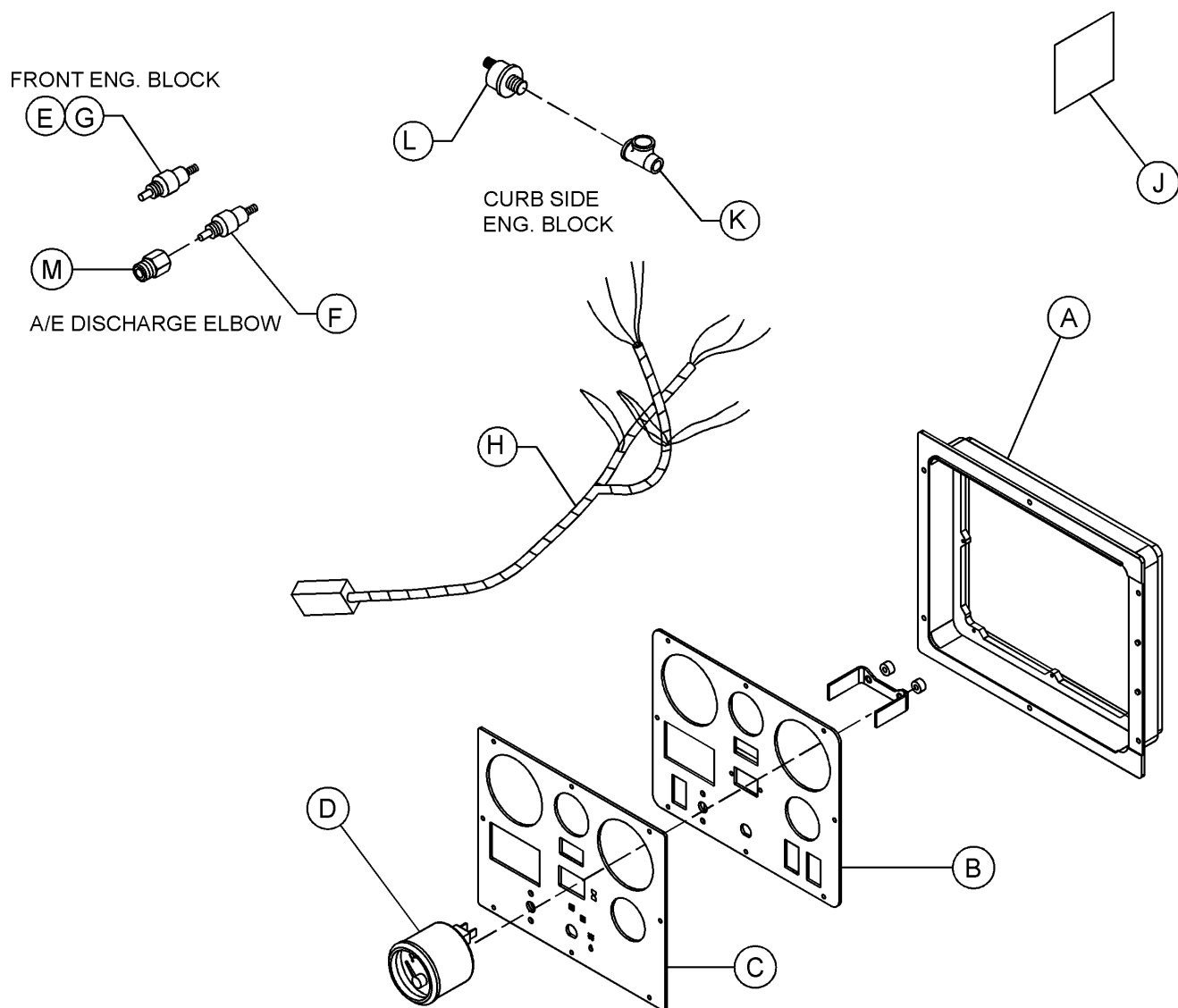
ON AIR FILTERS

A/E DISCHARGE ELBOW

CURB SIDE
ENG. BLOCK

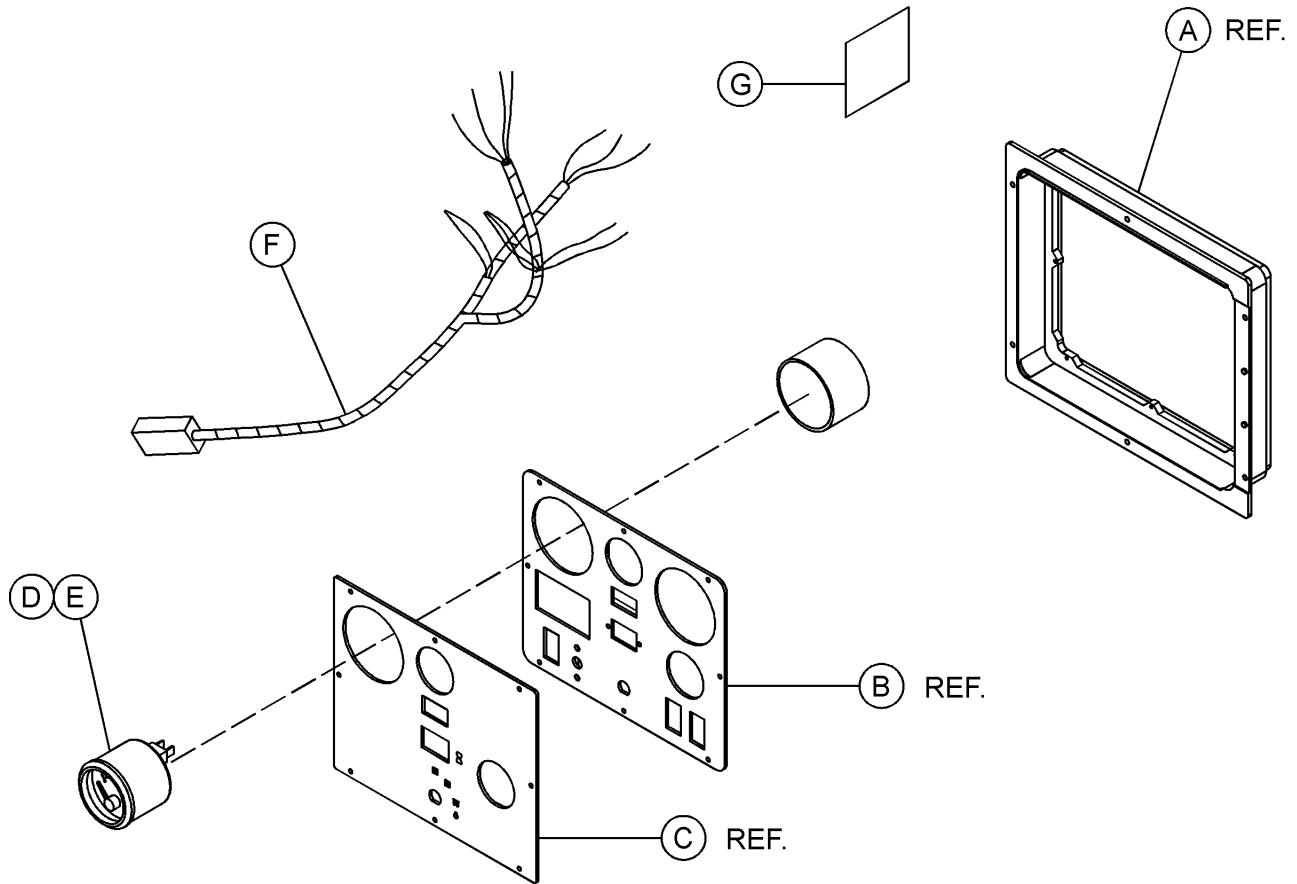
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54749601	Frame, WW Instrument Panel	1	Wait to Start Load / Unload Discharge Engine Engine Oil
B	22171680	Panel, Instrument	1	
C	22171698	Decal, WW Instrument Panel	1	
D	22054175	Hourmeter	1	
E	22054159	Nut, #4-40 Plastic	2	
F	22127385	Switch, Start	1	
G	36891216	Gauge, Pressure 250 PSI	1	
H	95935599	Coupling, 1/8" NPT X 3/4"	1	
J	35370386	Elbow, 90° Male 1/8" NPT X 1/8" NPT	1	
K	22134118	Knob, Non-Removable Key	1	
L	22255046	Gauge, 4-in-1	1	
M	22055883	Tachometer	1	
N	22070494	Screw, Plastic Tapping	8	
P	22692602	Gauge, Fuel Level	1	
Q	22050553	Light, Warning	1	
R	22054076	Switch, Rocker SPST Momentary	1	
S	22172423	Module, 2-Light Warning	1	
T	95670535	Adapter, 3/4-16 SAE X 3/8" NPT	1	
U	22137426	Lamp, 28V	2	
V	35367218	Sender, Temperature 300°	1	
W	35372457	Sender, Temperature 300°	1	
X	35278571	O-Ring	1	
Y	95956199	Elbow, Street 1/8" NPT X 45°	2	
Z	36847838	Switch, Vacuum	2	
A1	22251896	Harness, Option Wiring	1	
A2	22530748	Laminate, Option Wiring Diagram	1	
A3	22530797	Laminate, AFRI Option Wiring Diagram	1	
A4	36870608	Sender, Pressure 145 PSI	1	
A5	22251904	Harness, AFRI Wiring	1	
A6	39127287	Tee, Street 1/8" NPT	1	

4-in-1 Gauge
4-in-1 Gauge



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54749601	Frame, WW Instrument Panel	1	Engine Discharge
B	22171680	Panel, Instrument	1	
C	22171698	Decal, WW Instrument Panel	1	
D	22255046	Gauge, 4-in-1	1	
E	35372457	Sender, Temperature 300°	1	
F	35367218	Sender, Temperature 300°	1	
G	35278571	O-Ring	1	
H	22251896	Harness, Option Wiring	1	
J	22530748	Laminate, Option Wiring Diagram	1	
K	39127287	Tee, Street 1/8" NPT	1	
L	36870608	Sender, Pressure 145 PSI	1	Engine Oil
M	95670535	Adapter, 3/4-16 SAE X 3/8" NPT	1	

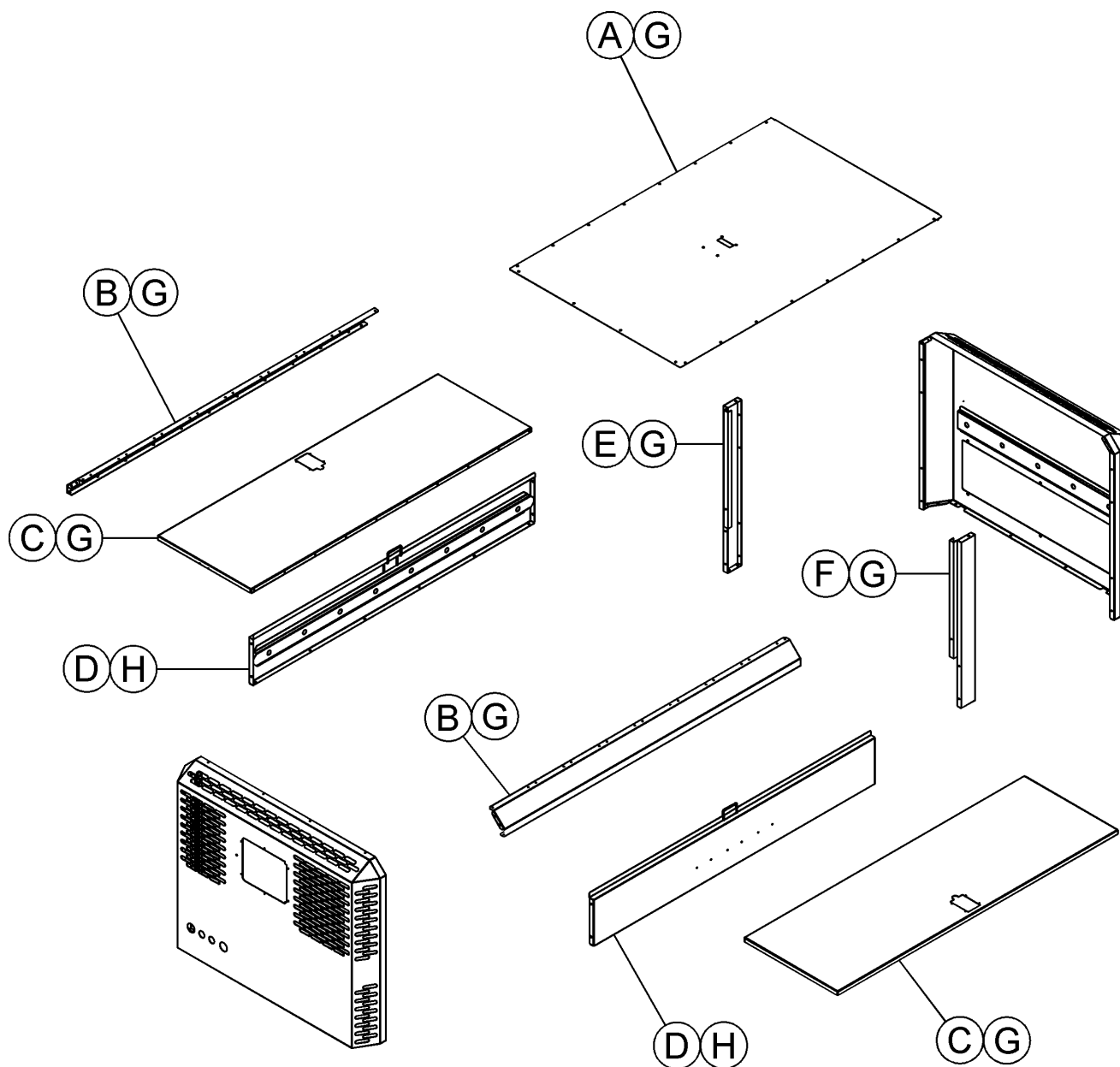
Tachometer Gauge



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54749601	Frame, WW Instrument Panel	1	
B	22171680	Panel, Instrument	1	
C	22171698	Decal, WW Instrument Panel	1	
D	22055883	Tachometer	1	
E	22137426	Lamp, 28V	1	
F	22261465	Harness, Tachometer Option	1	
G	22351217	Laminate, Tachometer Option Wiring Diagram	1	

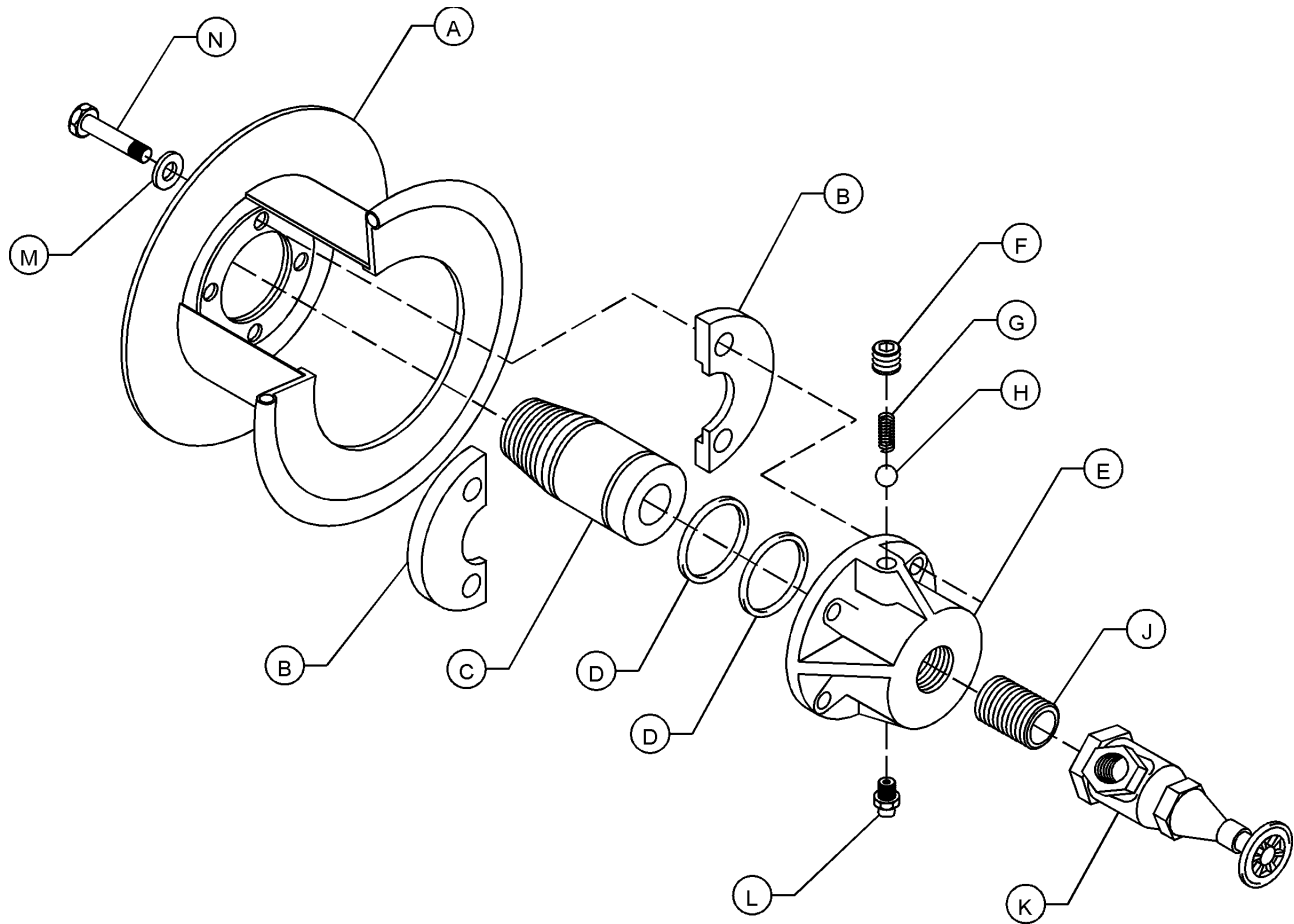
Galvanneal Enclosure
Galvanneal Enclosure



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54743240	Roof	1	
B	54743273	Rail, Top	2	
C	54743257	Door, Side	2	
D	54743232	Panel, Lower Side	2	
E	54756515	Panel, RH Side	1	
F	54756523	Panel, LH Side	1	
G	36797652	Screw, Tapping M06-1.0 X 12	43	
H	35279025	Screw, Tapping M08-1.25 X 20	28	

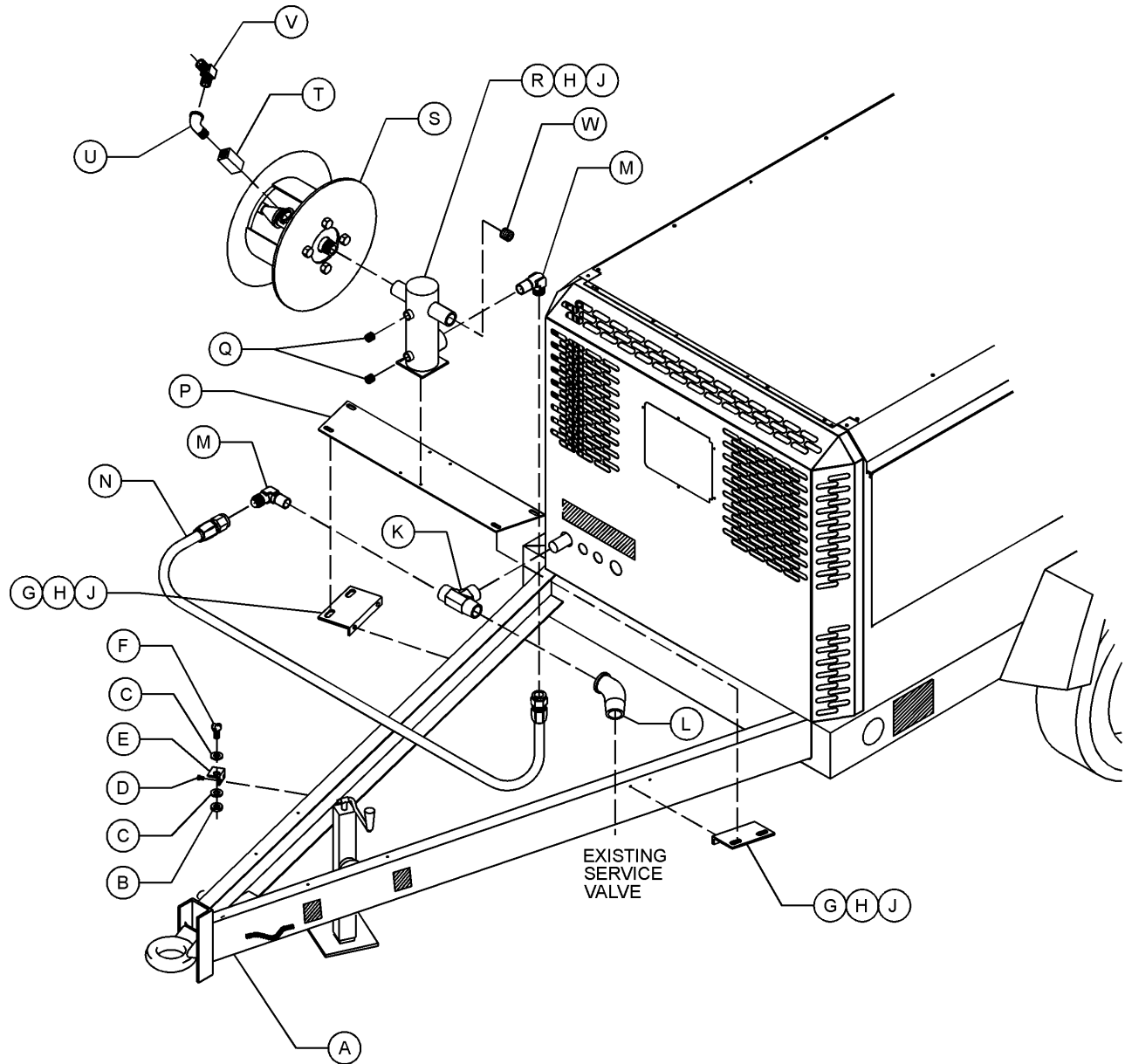
Hose Reel Assembly



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36765212	Reel, Hose	1	
B	36765188	Cover, Bearing	2	
C	36765196	Shaft, Bearing	1	
D	95358297	O-Ring	2	
E	36762706	Bearing, Hose Reel	1	
F	95928222	Plug	1	
G	30671242	Spring	1	
H	35221902	Ball, Retard	1	
J	95928040	Nipple	1	
K	95072971	Globe, Valve	1	
L	35221894	Fitting, Lube 1/8"	1	
M	95937413	Washer, Lock 3/8"	4	
N	95934584	Screw, Hex 3/8-16 X 1 1/2"	4	

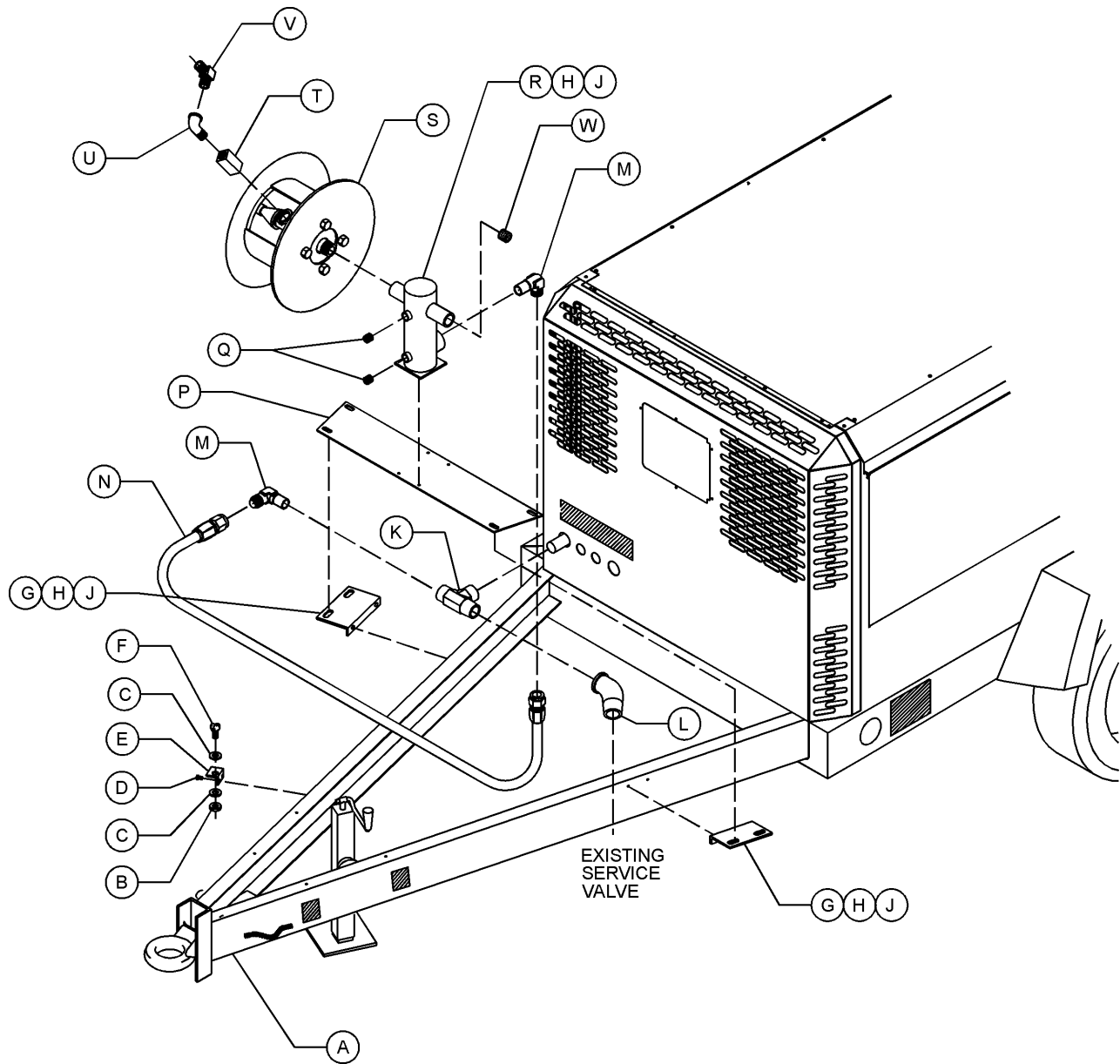
Single Hose Reel
Single Hose Reel



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881191	Drawbar, Extended Length	1	<i>Continued...</i>
B	35153972	Cap, Hose Lock	1	
C	95928321	Washer, Flat .88"	2	
D	92368687	Screw, Tapping M06-1.0 X 14	2	
E	35296748	Bracket, Hose Reel Lock	1	
F	35221910	Lock, Coupling Hose	1	
G	35855238	Bracket, Channel Mounting	2	
H	36880995	Screw, Hex Flange M10-1.50 X 30	12	
J	36879195	Nut, Hex Flange M10-1.5	12	
K	95280087	Tee, Street 1.25" NPT	1	
L	95031522	Elbow, 45° Street 1 .25" NPT	1	

Single Hose Reel

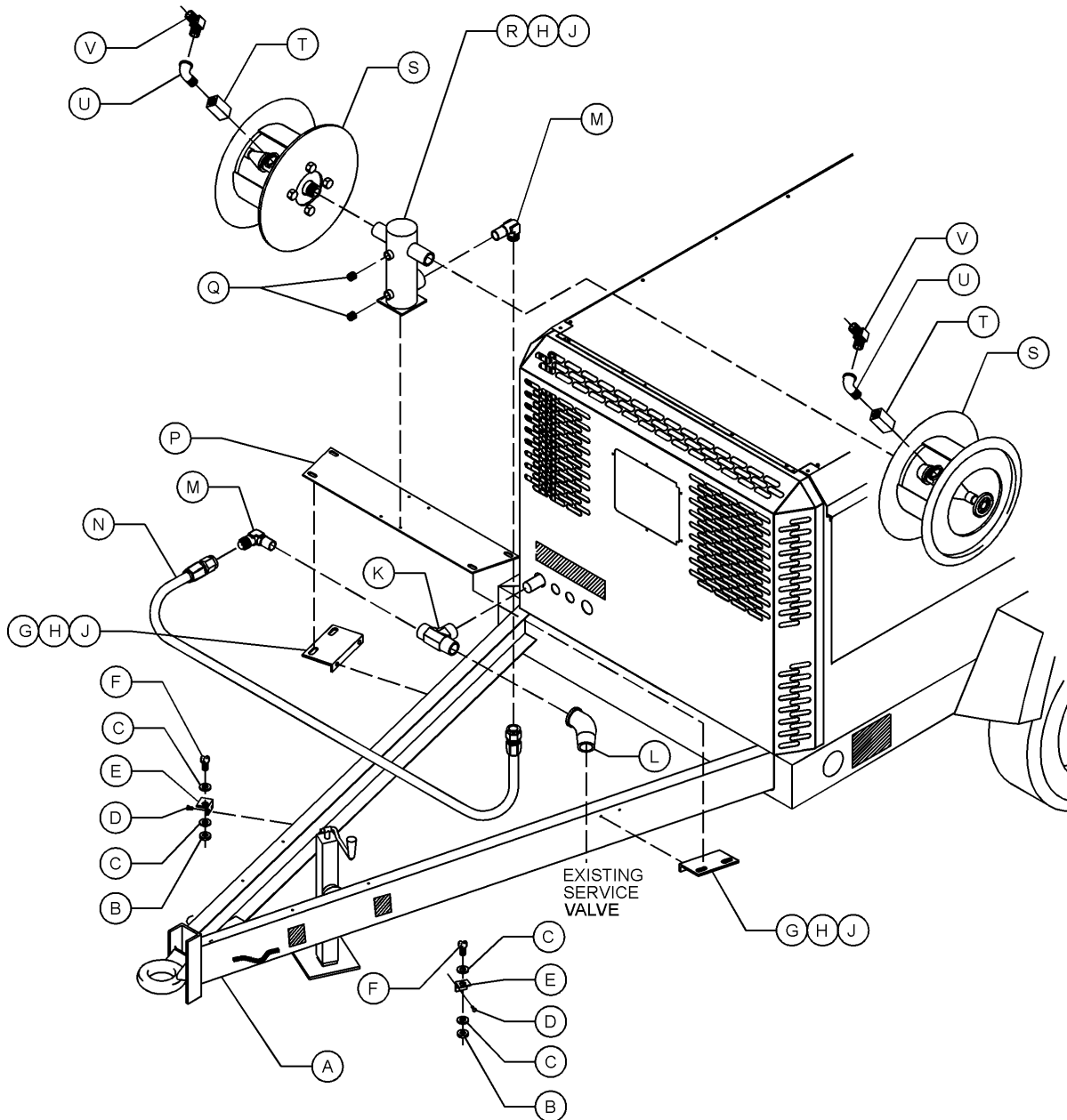


23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M	95219861	Elbow, 90° Tube 1.25" NPT X -20 JIC	2	Continued
N	35228170	Hose	1	
P	36882181	Channel, Hose Reel	1	
Q	95947149	Plug, Hex Countersink 3/4" NPT	2	
R	36755460	Manifold, Hose Reel	1	
S	35097914	Hose Reel Assembly	1	
T	35364397	Valve, Check	1	
U	95928172	Elbow, 90° Street 3/4" NPT	1	
V	95928198	Elbow, 45° Street 3/4" NPT	1	
W	95928248	Plug, Hex Countersink 1.25"	1	

Double Hose Reel

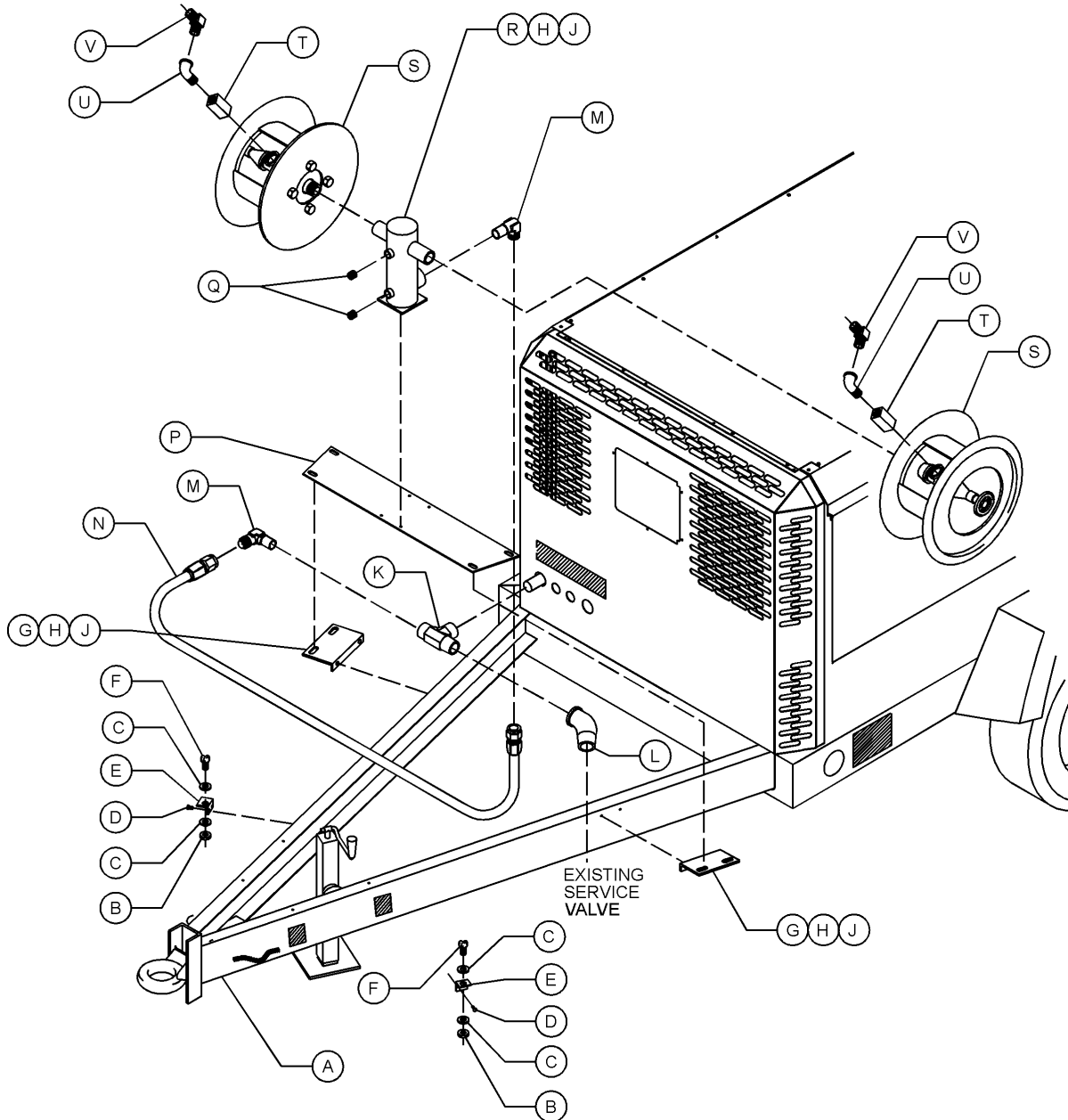
Double Hose Reel



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881191	Drawbar, Extended Length	1	<i>Continued...</i>
B	35153972	Cap, Hose Lock	2	
C	95928321	Washer, Flat .88"	4	
D	92368687	Screw, Tapping M06-1.0 X 14	4	
E	35296748	Bracket, Hose Reel Lock	2	
F	35221910	Lock, Coupling Hose	2	
G	35855238	Bracket, Channel Mounting	2	
H	36880995	Screw, Hex Flange M10-1.50 X 30	12	
J	36879195	Nut, Hex Flange M10-1.5	12	
K	95280087	Tee, Street 1.25" NPT	1	

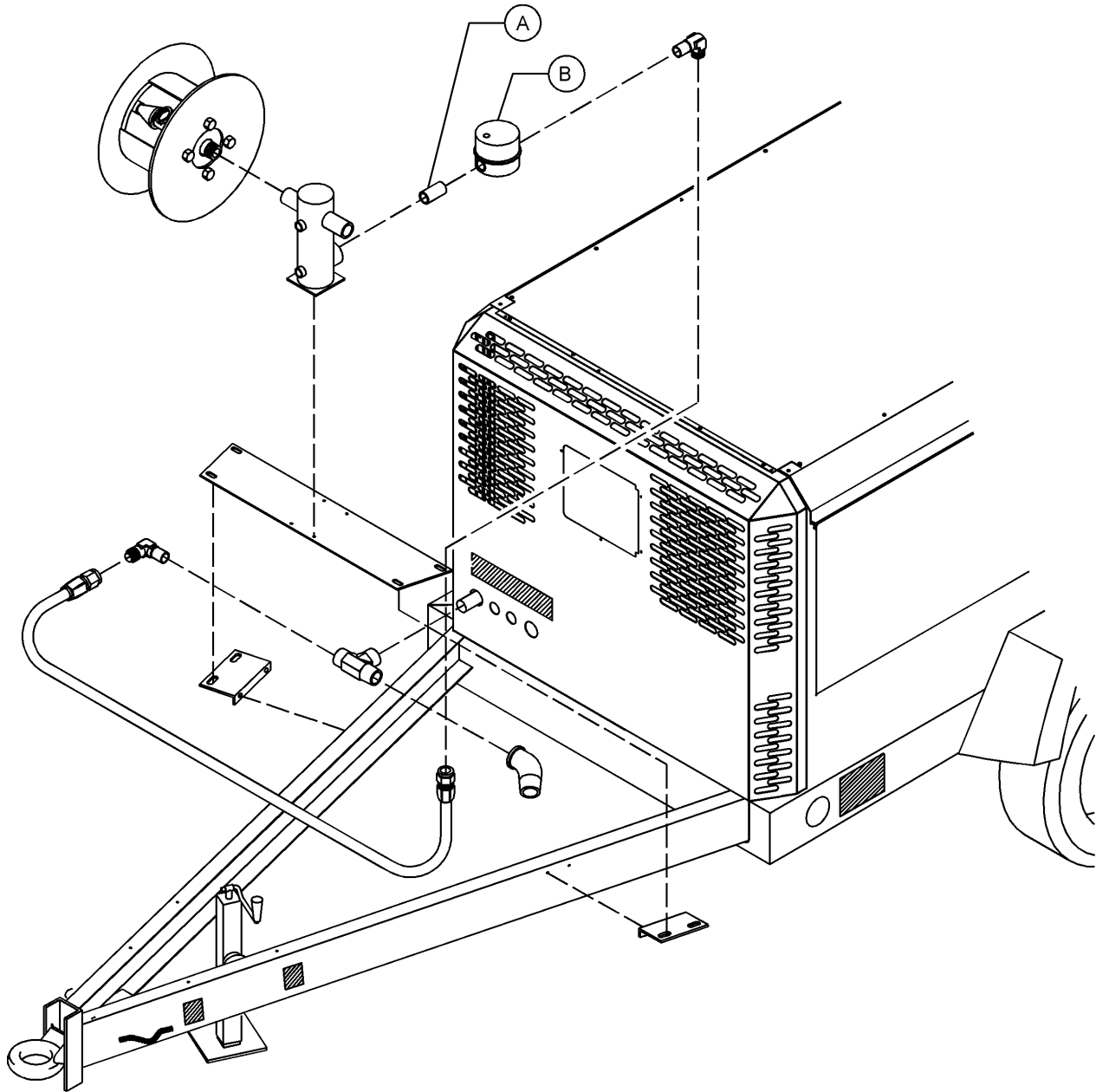
Double Hose Reel



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	95031522	Elbow, 45° Street 1 .25" NPT	1	Continued
M	95219861	Elbow, 90° Tube 1.25" NPT X -20 JIC	2	
N	35228170	Hose	1	
P	36882181	Channel, Hose Reel	1	
Q	95947149	Plug, Hex Countersink 3/4" NPT	2	
R	36755460	Manifold, Hose Reel	1	
S	35097914	Hose Reel Assembly	2	
T	35364397	Valve, Check	2	
U	95928172	Elbow, 90° Street 3/4" NPT	2	
V	95928198	Elbow, 45° Street 3/4" NPT	2	

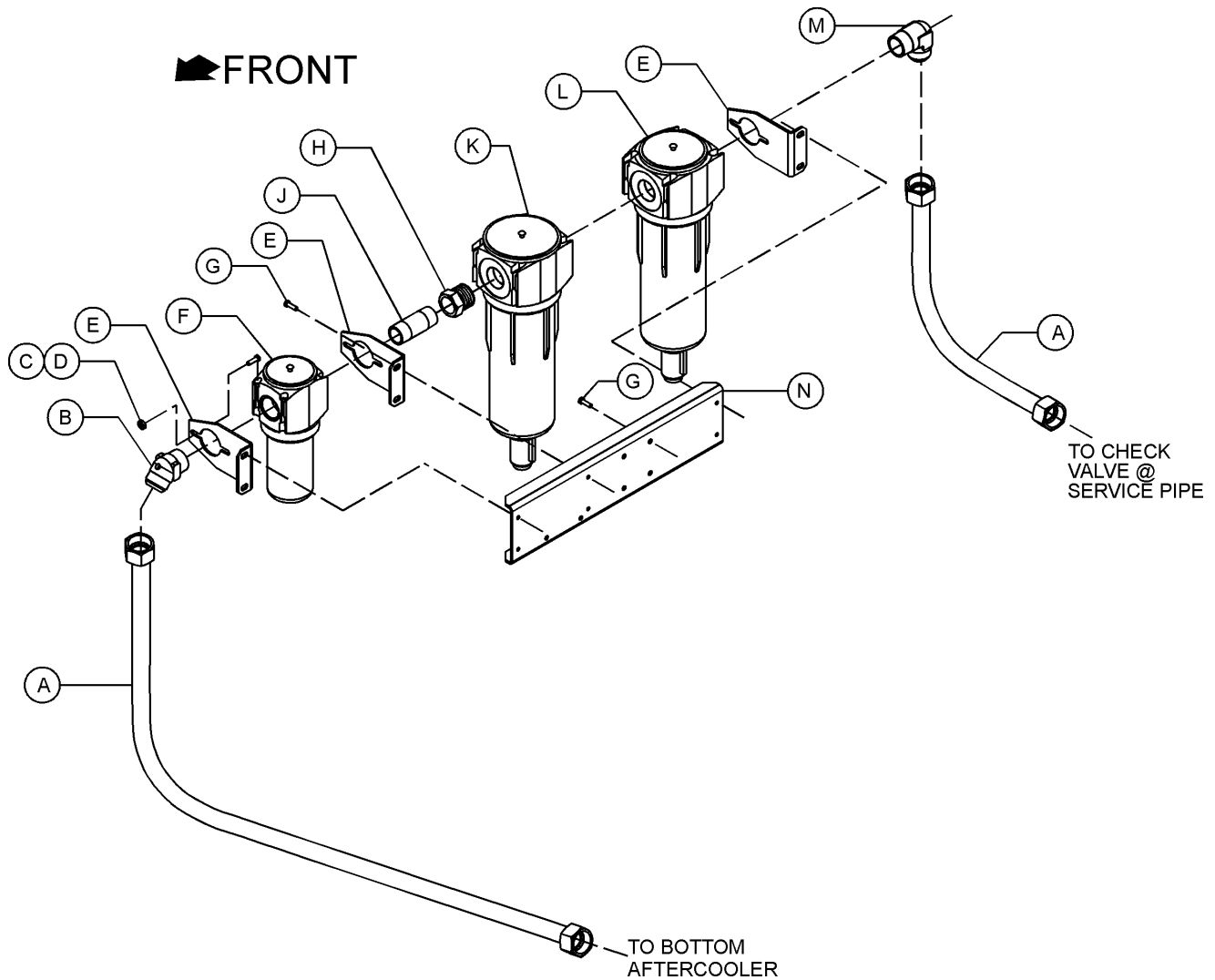
Hose Reel Lubricator
Hose Reel Lubricator



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95953600	Nipple, 1.25" X 2"	1	
B	35255025	Lubricator, 1 Quart	1	
	35256252	Lubricator, 2 Quart	1	

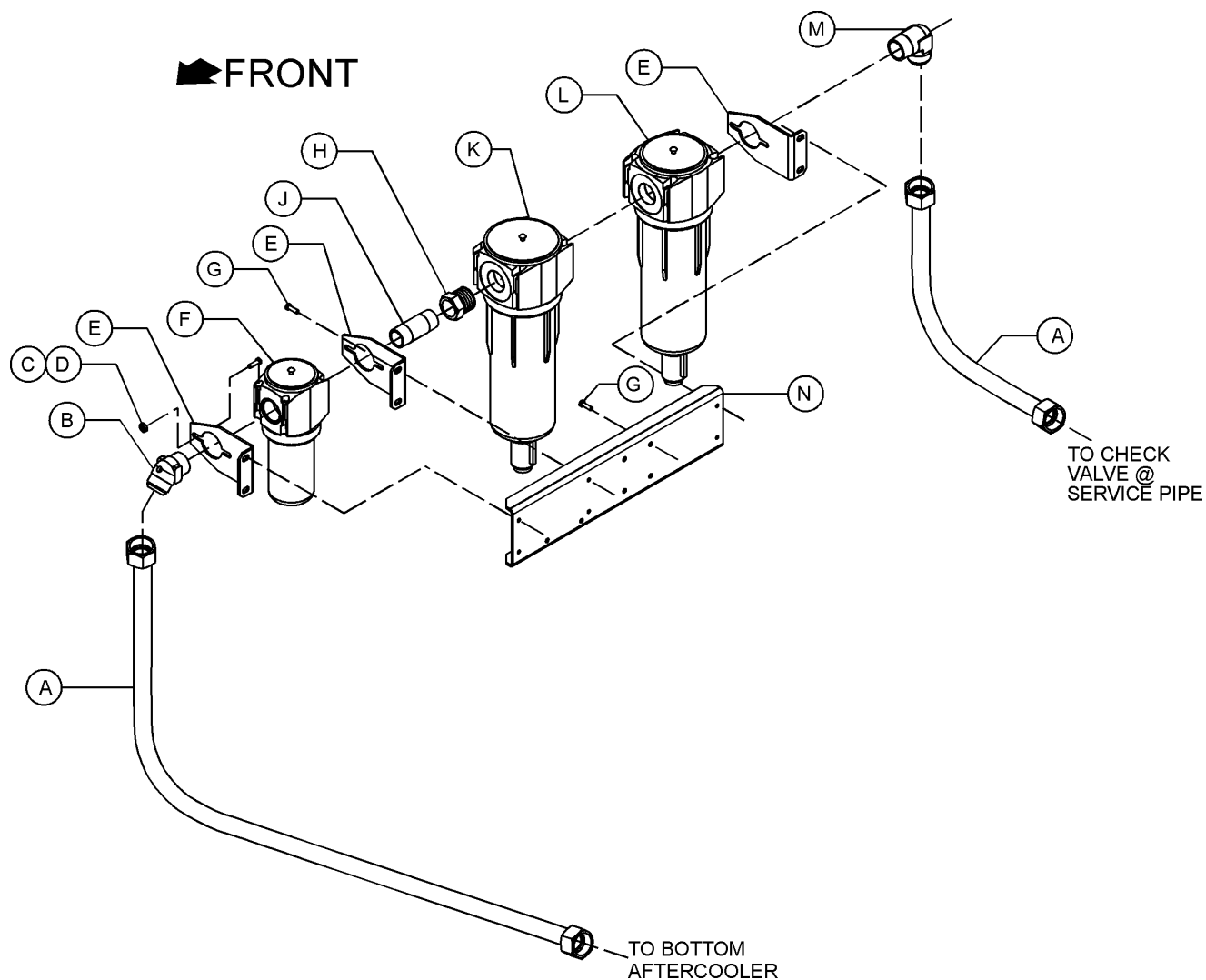
IQ Filter Mounting



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35130855	Hose, -24 JIC X 52.0"	2	
B	36921500	Elbow, 45° 1.50" NPT to -24 J1C	1	
C	36880995	Screw, Hex Flange M10-1.50 X 30	2	
D	36879195	Nut, Hex Flange M10-1.5	2	
E	36882884	Bracket, Filter Mounting	3	
F	36882728	Separator, Water 1.50" NPT	1	
G	35279025	Screw, Tapping M08-1.25 X 20	10	
H	36883155	Adapter, 1.5" NPT to 1.88-12 UNF	1	
J	95928032	Nipple, Closed 1.50" NPT X 1.75"	1	
K	36882983	Filter, 1st Stage	1	
L	36882991	Filter, 2nd Stage	1	
M	39495148	Elbow, 90° 1.5" NPT X -24 JIC	1	
N	54761630	Bracket, Filter Mounting	1	

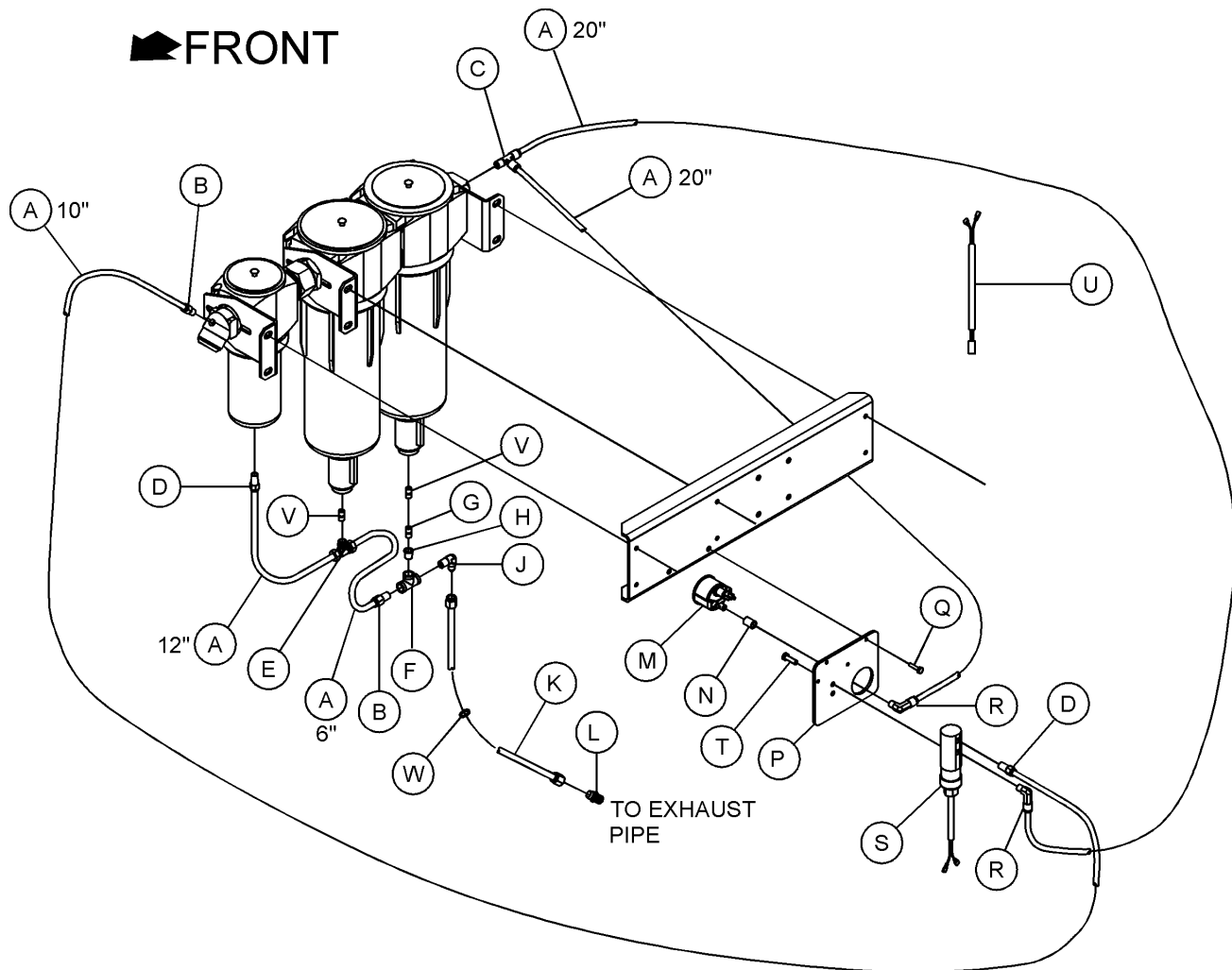
IQ Filter Kits
IQ Filter Kits



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	36883049	Cap, Filter Housing 1st Stage	AR	1 ST Stage Filter
	36883015	Element, 1ST Stage	AR	1 ST Stage Filter
	36883080	Kit, Wedge Bol	AR	1 ST & 2 ND Stage Filter
	35378264	Kit, Sight Glass	AR	1 ST & 2 ND Stage Filter
	36883106	Kit, Air Filter Maintenance	AR	1 ST & 2 ND Stage Filter
	36883114	Rod, Element Retaining	AR	1 ST & 2 ND Stage Filter
	35378223	Indicator, Differential Pressure	AR	1 ST & 2 ND Stage Filter
	36883056	Cap, Filter Housing 2ND Stage	AR	2 ND Stage Filter
	36883023	Element, 2ND Stage	AR	2 ND Stage Filter
	36883270	Cap, Water Separator	AR	Water Separator
	36883098	Kit, Water Separator	AR	Water Separator
	35378231	Kit, Drain	AR	All Filters

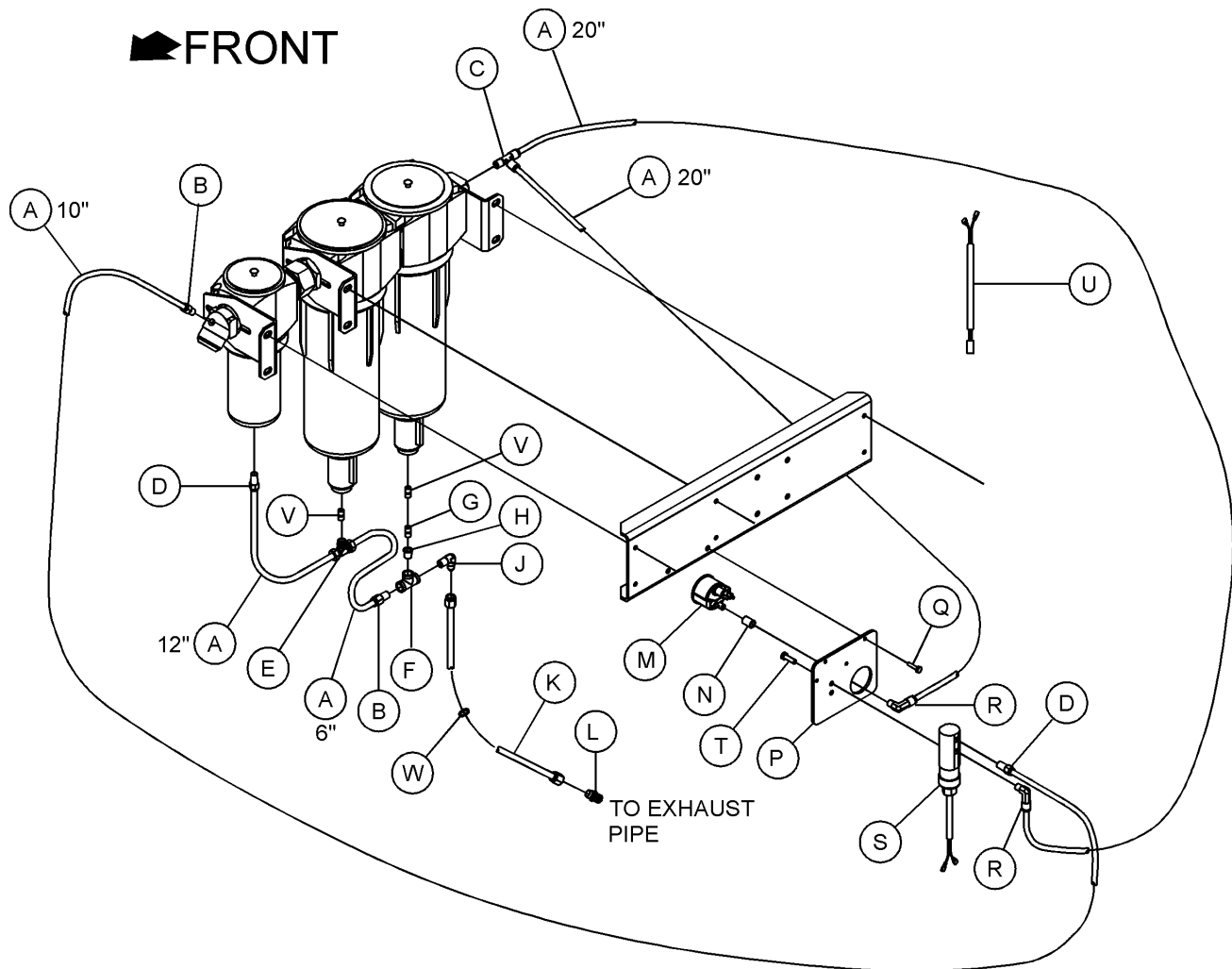
IQ Filter Differential Pressure



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356484	Tubing, 3/8" OD Synflex	~	See Lengths Above
B	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	2	
C	35369503	Tee, Male Run 1/4" NPT X 3/8 Tube	1	
D	35379700	Connector, 1/8" NPT X 3/8" Tube	2	
E	35369396	Tee, Male Run 1/8" NPT X 3/8 Tube	1	
F	95954194	Tee, 1/4" NPT	1	
G	95953493	Nipple, Closed 1/8" NPT X 3/4"	1	
H	95930301	Bushing, Reducing 1/4" NPT X 1/8" NPT	1	
J	35283464	Elbow, 90° 1/4" NPT X -4 JIC	1	
K	35306661	Hose Assembly, -4 JIC X 94"	1	
				<i>Continued...</i>

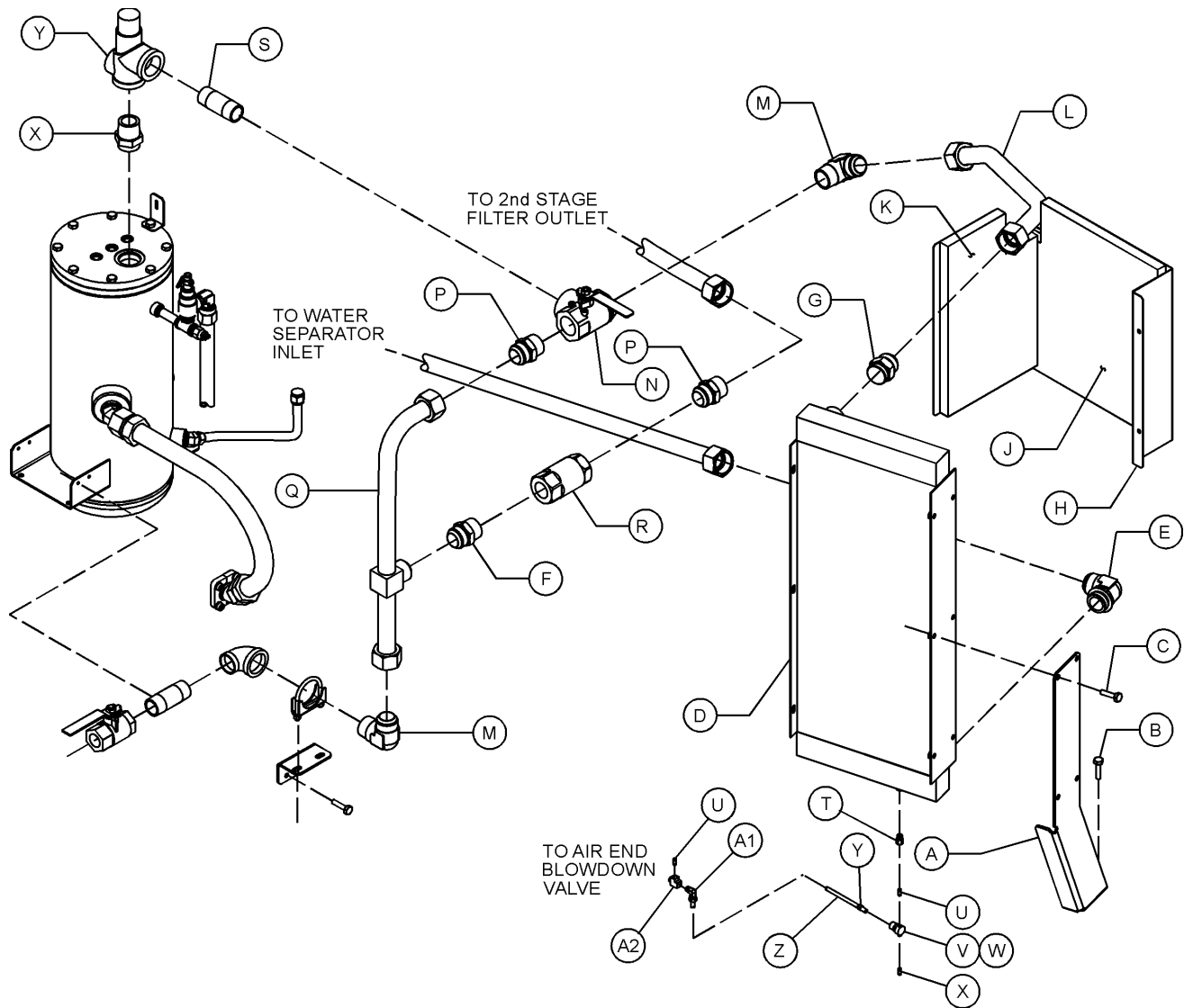
IQ Filter Differential Pressure
IQ Filter Differential Pressure



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
L	35283472	Connector, 1/4" NPT X -4 JIC Swivel	1	Continued
M	36891216	Gauge, Pressure 250 PSI	1	
N	95038634	Coupling, 1/8" NPT X 3/4"	1	
P	54762125	Plate, Gauge	1	
Q	36797652	Screw, Tapping M06-1.0 X 12	2	
R	35370386	Elbow, 90° Male 1/8" NPT X 1/8" NPT	2	
S	36899615	Idicator, Pressure Differential	1	
T	95934774	Screw, Hex 1/4-20 X 1/2"	2	
U	22293484	Harness, IQ Option	1	
V	96746334	Adapter, 1/8" BSPT to 1/8" NPT	2	
W	35285162	Grommet, 3/4" ID	1	

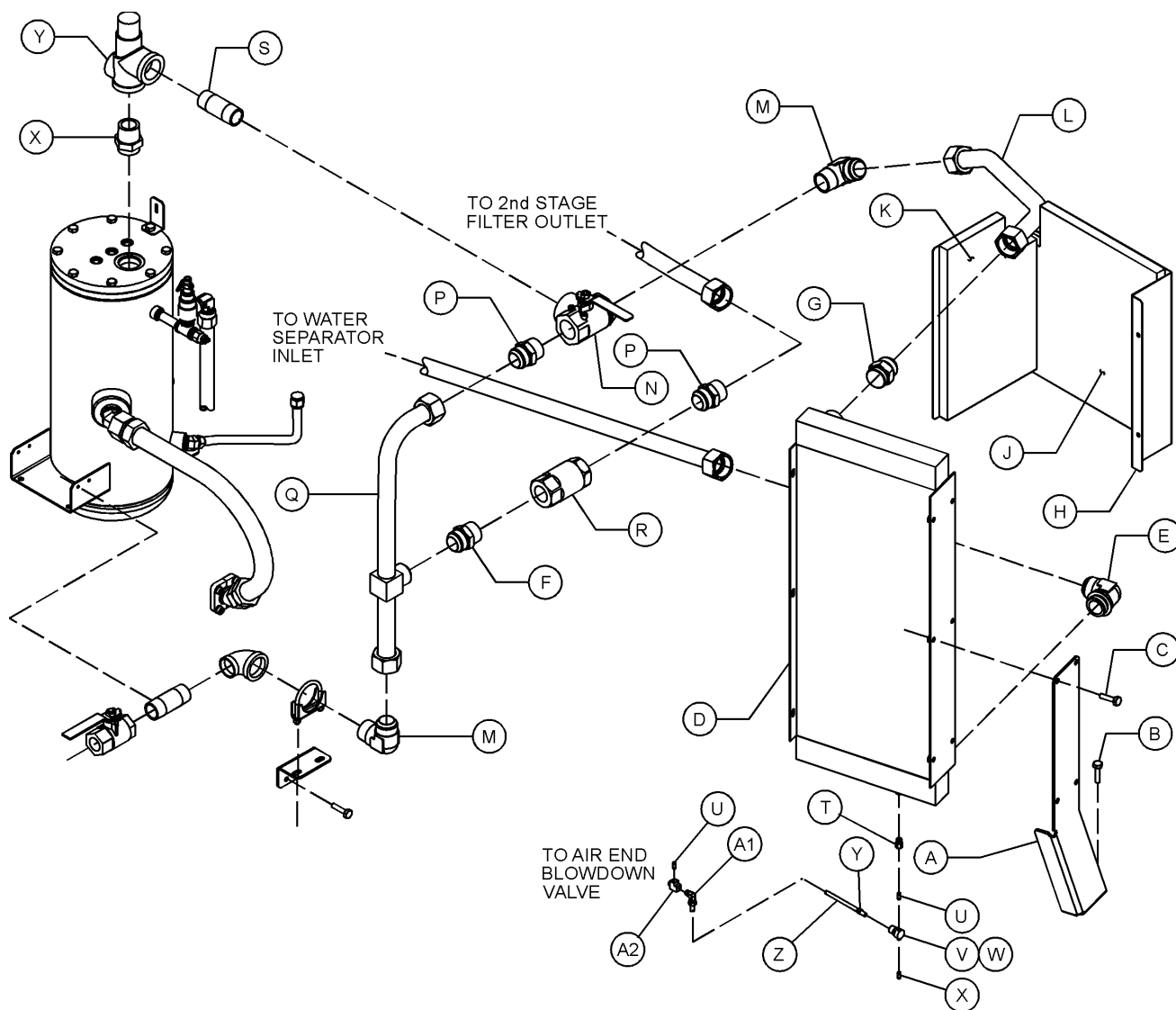
IQ Filter Aftercooler



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54761622	Bracket, Aftercooler Mounting	1	<i>Continued...</i>
B	35279025	Screw, Tapping M08-1.25 X 20	4	
C	96702279	Screw, Hex M10-1.50 X 20	4	
D	54660162	Aftercooler	1	
E	95431292	Elbow, 90° 1.88-12 X -12JIC	1	
F	36883155	Adapter, 1.5" NPT to 1.88-12 UNF	3	
G	35296409	Connector, 1.88-12 X -24 JIC	1	
H	22070908	Baffle, Front Aftercooler	1	
J	22074504	Panel, Aftercooler Interior Baffle	1	
K	22074488	Panel, Aftercooler Interior Baffle	1	
L	54759691	Tube, Separator Tank to Aftercooler	1	
M	95279477	Elbow, 90° 1.5" NPT X -24 JIC	2	
N	22258339	Valve, 3-Way 1.5" NPT	1	

IQ Filter Aftercooler
IQ Filter Aftercooler

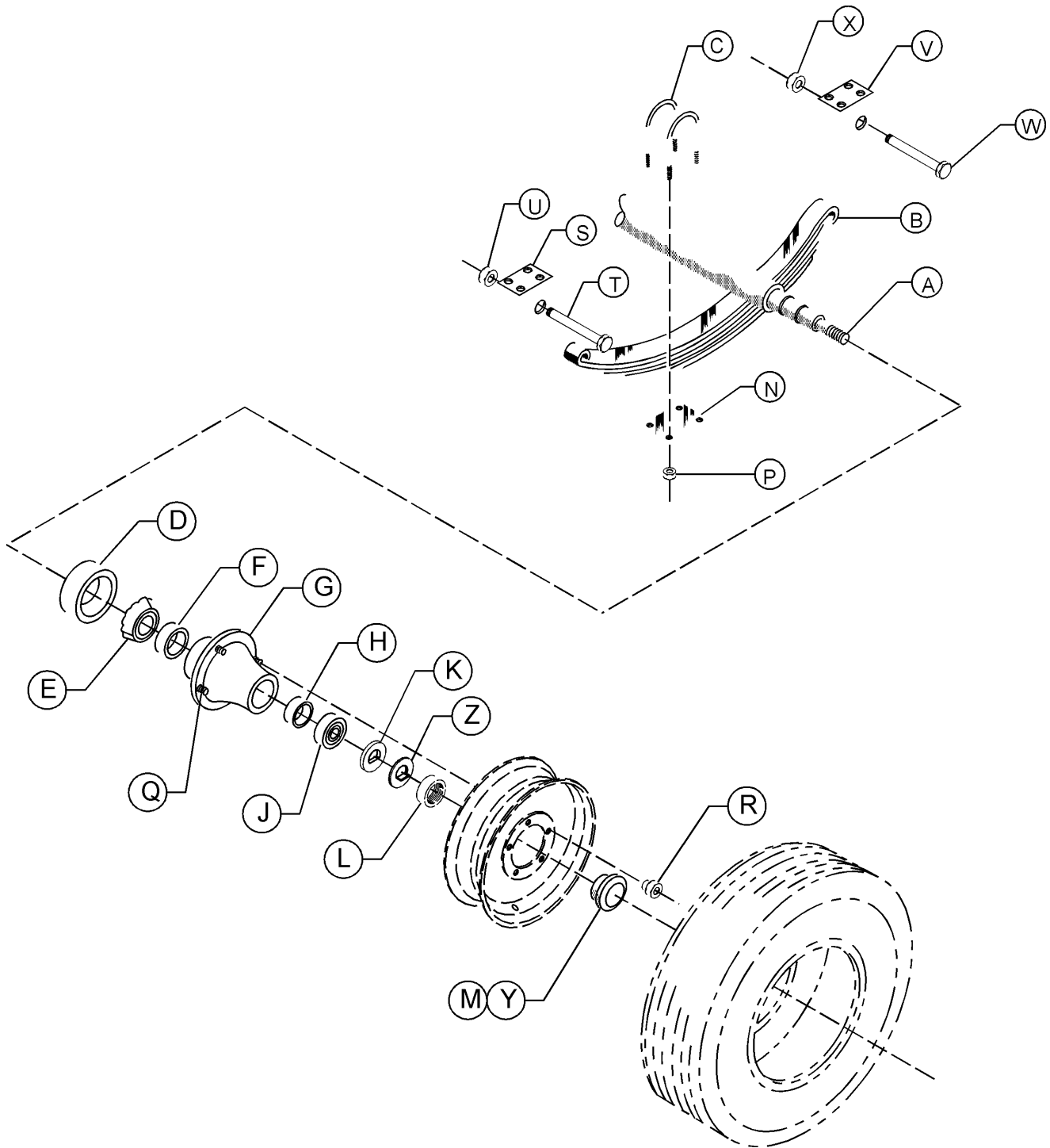


23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
P	95208682	Adapter, Swivel 1.50" NPT X 1.88-12 UNF	2	Continued
Q	54671135	Tube, Separator Tank to Service Pipe	1	
R	36786820	Valve, Check 1.50" NPT	1	
S	95487773	Nipple, Closed 1.5" NPT X 1.75"	1	
T	35293687	Adapter, 9/16-18 to 1/4" NPT	1	
U	95944575	Nipple, Closed 1/4" NPT X 7/8"	2	
V	35322379	Valve, Blowdown	1	
W	35379064	Diaphragm Repair Kit	AR	
X	36766756	Orifice, Muffler .140	1	
Y	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	1	
Z	35356484	Tubing, 3/8" OD Synflex	50"	
A1	35369354	Elbow, 90° Male 1/4" NPT X 3/8 Tube	1	
A2	35114545	Tee, Street 1/4" NPT	1	

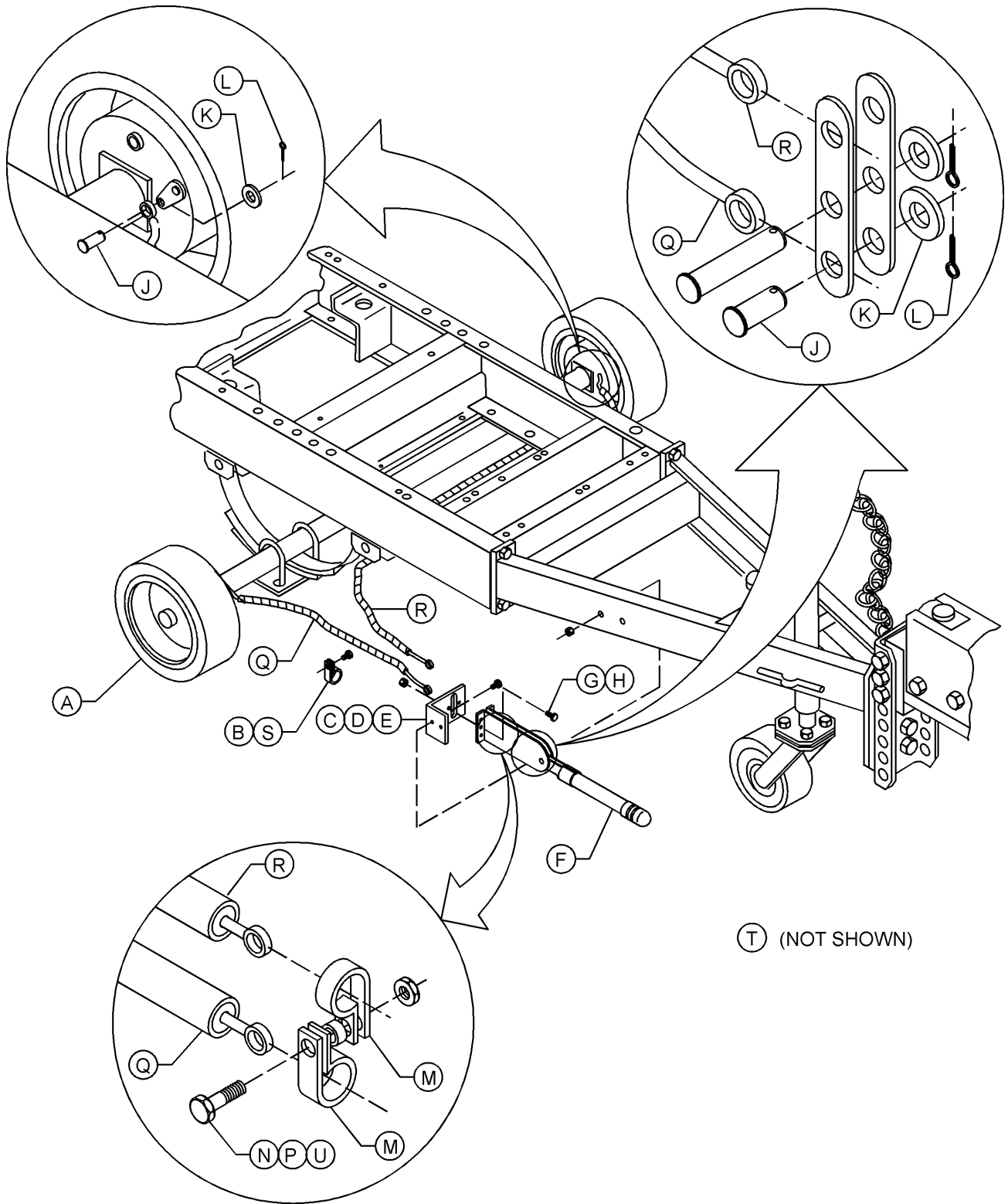
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Running Gear without Brakes
Running Gear without Brakes



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54750997	Beam, Axle	1	
B	35315126	Spring, Slipper	2	
C	35360734	U-Bolt	4	
D	35316868	Seal, Grease	2	
E	35316876	Cone, Inner Bearing	2	
F	35316884	Cup, Inner Bearing	2	
G	35318823	Hub, Studded w/ Cups	2	
H	35318831	Cup, Outer Bearing	2	
J	35318849	Cone, Outer Bearing	2	
K	35315209	Washer, Spindle	2	
L	35315217	Nut, Spindle	2	
M	35379395	Cap, Grease Dust	2	
N	35315241	Plate, Tie	2	
P	35315258	Nut, U-Bolt	4	
Q	35361898	Stud	12	
R	35315274	Nut, Wheel	12	
S	35326958	Hanger, Front	2	
T	35315340	Bolt, Shackle	2	
U	35315357	Nut, TOP LOCK	2	
V	35326966	Hanger, Rear	2	
W	35315365	Bolt, Keeper	2	
X	35315373	Nut, Keeper	2	
Y	35379387	Plug, Grease Cap	2	
Z	35390012	Washer, Tang	2	

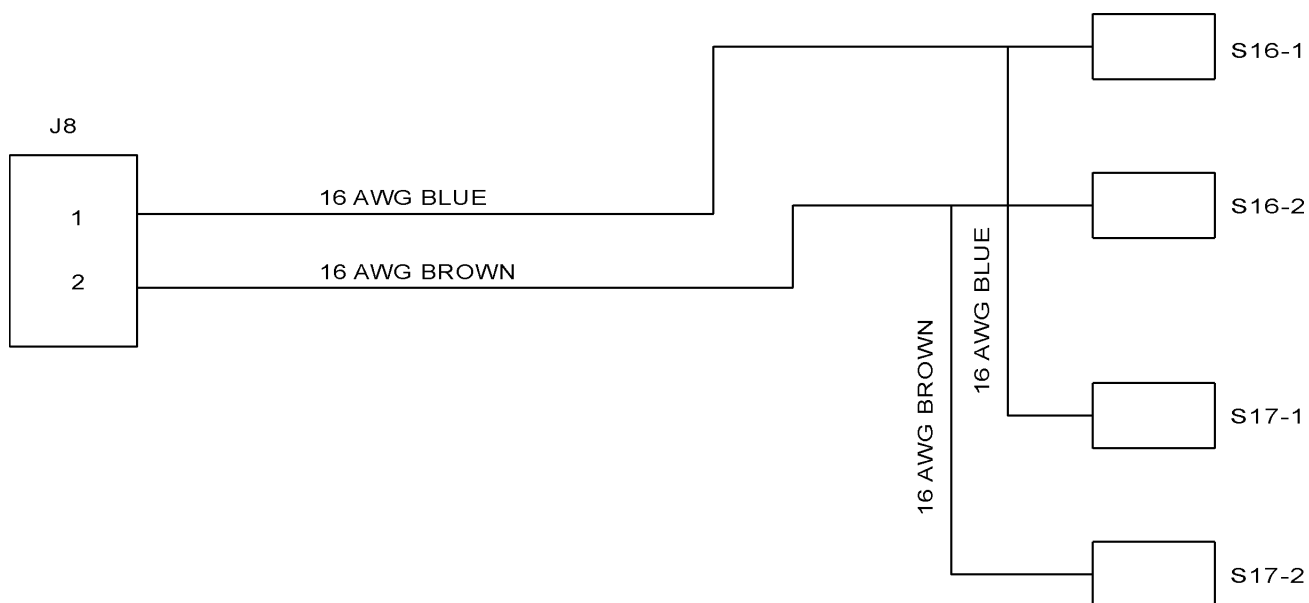
Parking Brake Parking Brake



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54625322	Running Gear w/ Brakes	1	
B	35134477	Clamp, Rubber Coated	2	
C	35116433	Bracket, Brake Lever	1	
D	96704309	Screw, Hex M10-1.50 X 35	2	
E	96735550	Nut, Hex M10	2	
F	35370055	Lever, Parking Brake	1	
G	96702659	Screw, Hex M08-1.25 X 25	2	
H	96735543	Nut, Hex M08	2	
J	36846780	Pin, Clevis .31 X .75	4	
K	95934998	Washer, Flat 3/8	4	
L	95928867	Pin, Cotter .09	4	
M	35126325	Clamp, Cable	2	
N	95943668	Screw, Hex 5/16-18 X 1.75	1	
P	35126358	Spacer	1	
Q	35589746	Assembly, Brake Cable 78"	1	
R	36503134	Assembly, Brake Cable 108"	1	
S	35300771	Screw, Tapping M06-1.0 X 20	1	
T	35253038	Clamp, Rubber Coated	3	
U	35252600	Nut, Lock 5/16-18	1	

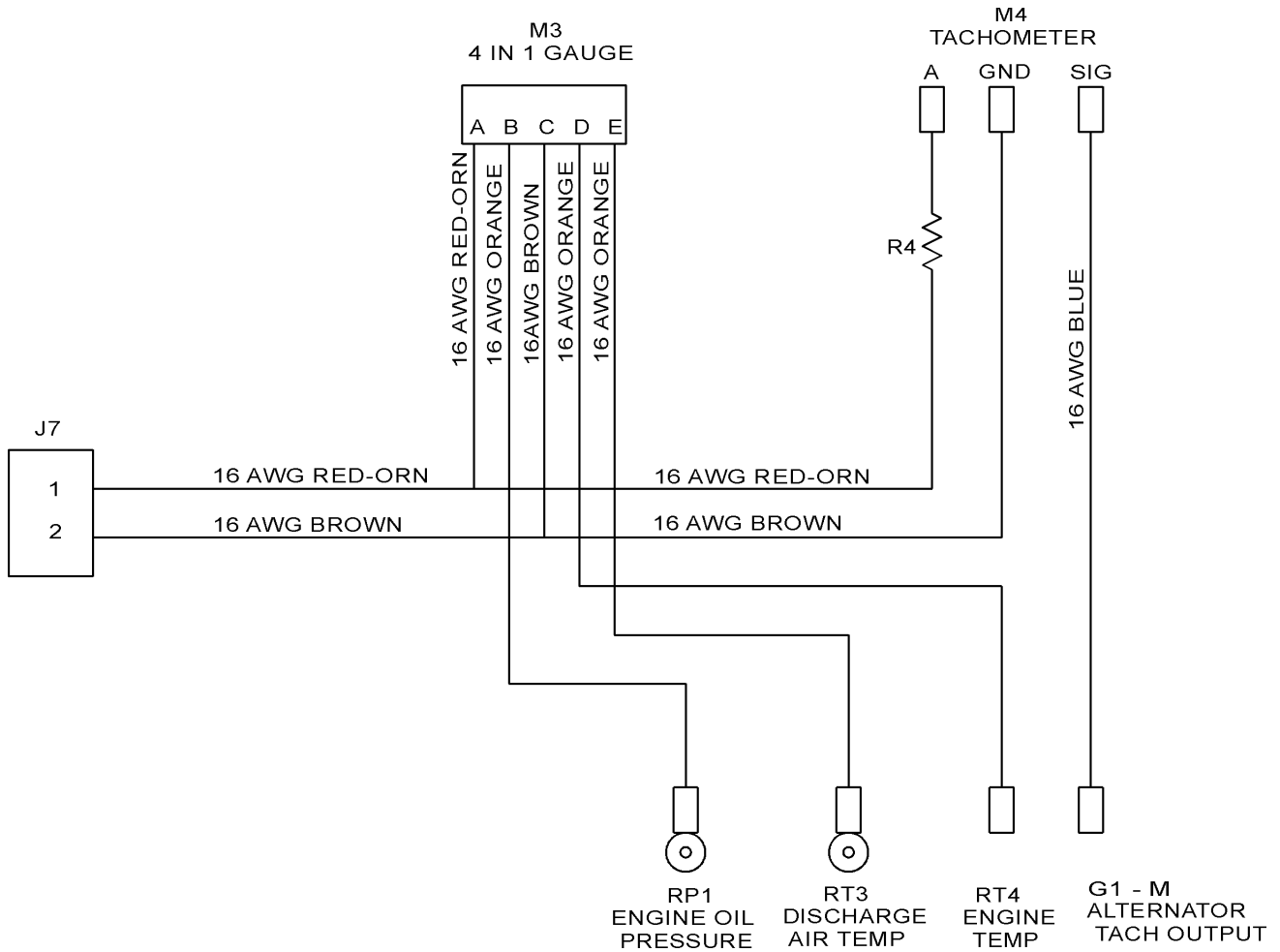
AIR FILTER RESTRICTION WIRING SCHEMATIC
AIR FILTER RESTRICTION WIRING SCHEMATIC



23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
S16	36847838	Switch, Vacuum	1	
S17	36847838	Switch, Vacuum	1	
W4	22251904	Harness, AFRI Wiring	1	

Option Wiring Schematic

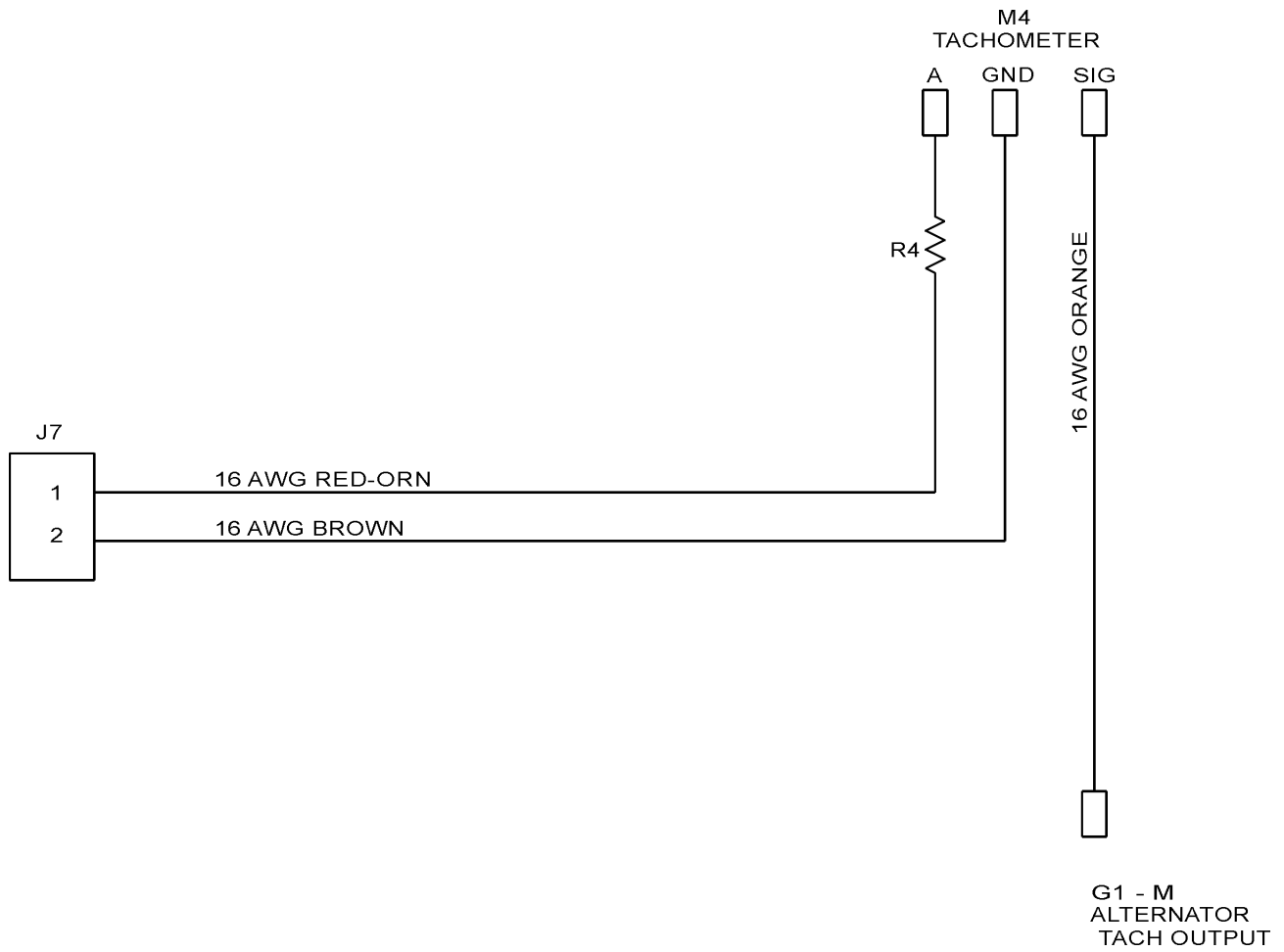


23209257_11/07_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
M3	22255046	Gauge, 4-in-1	1	Engine Oil Discharge Engine
M4	22055883	Tachometer	1	
RP1	36870608	Sender, Pressure 145 PSI	1	
RT3	35367218	Sender, Temperature 300°	1	
RT4	35372457	Sender, Temperature 300°	1	
W3	22251896	Harness, Option Wiring	1	
W6	22255053	Harness, 4-in-1 Gauge Wiring	1	

Tachometer Wiring Schematic

Tachometer Wiring Schematic



23209257_11/07_A

MISCELLANEOUS OPTIONS

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		DOOR KEY LOCK OPTION		
	36794345	Cylinder, Key Lock		
	35612746	Key (replacement)		
		2" BALL COUPLER OPTION		
	36509073	Coupler Assembly, 2" Ball		
	35131499	Lip *		
	35131481	Spring *		
	35131457	Nut, Loop Handle *		
	35131465	Bolt *		
	35376094	Screw, Hex M16-2.0 X 120		
	96701750	Nut, Hex M16-2.0		
		SECURITY LIFTING OPTION		
	54742028	Eye, Security Lift		
	35290113	Screw, Hex M16-2.0 X 75		
	96701750	Nut, Hex M16-2.0		
		CASTER WHEEL OPTION		
	36866986	Caster Wheel Assembly		
	35366319	Handle, Lock Plunger *		
	35366327	Spring, Lock Plunger *		
	35366335	Pin, Hinge		
	35366343	Plunger, Lock *		
	36866994	Tire & Wheel Assembly *		
	35366368	Bracket, Frame *		
	35366376	Fork *		
	35366418	Swivel Head *		
	35366426	Pin, Collar *		
	35366434	Fork, SHAFT *		
	35366442	Fitting, Lube*		
	35366459	Bolt, Axle *		
	35366467	Nut, Axle Bolt *		
	35366475	Collar *		
	36877793	Screw, Hex Flange M12-1.25 X 40		
	36879203	Nut, Hex Flange M12-1.25		
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