



Doosan Infracore
Portable Power



PARTS MANUAL COMPRESSOR MODEL

7/170 WIR

10/125 WIR

14/115 WIR

Code:

D18

D19

D20

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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

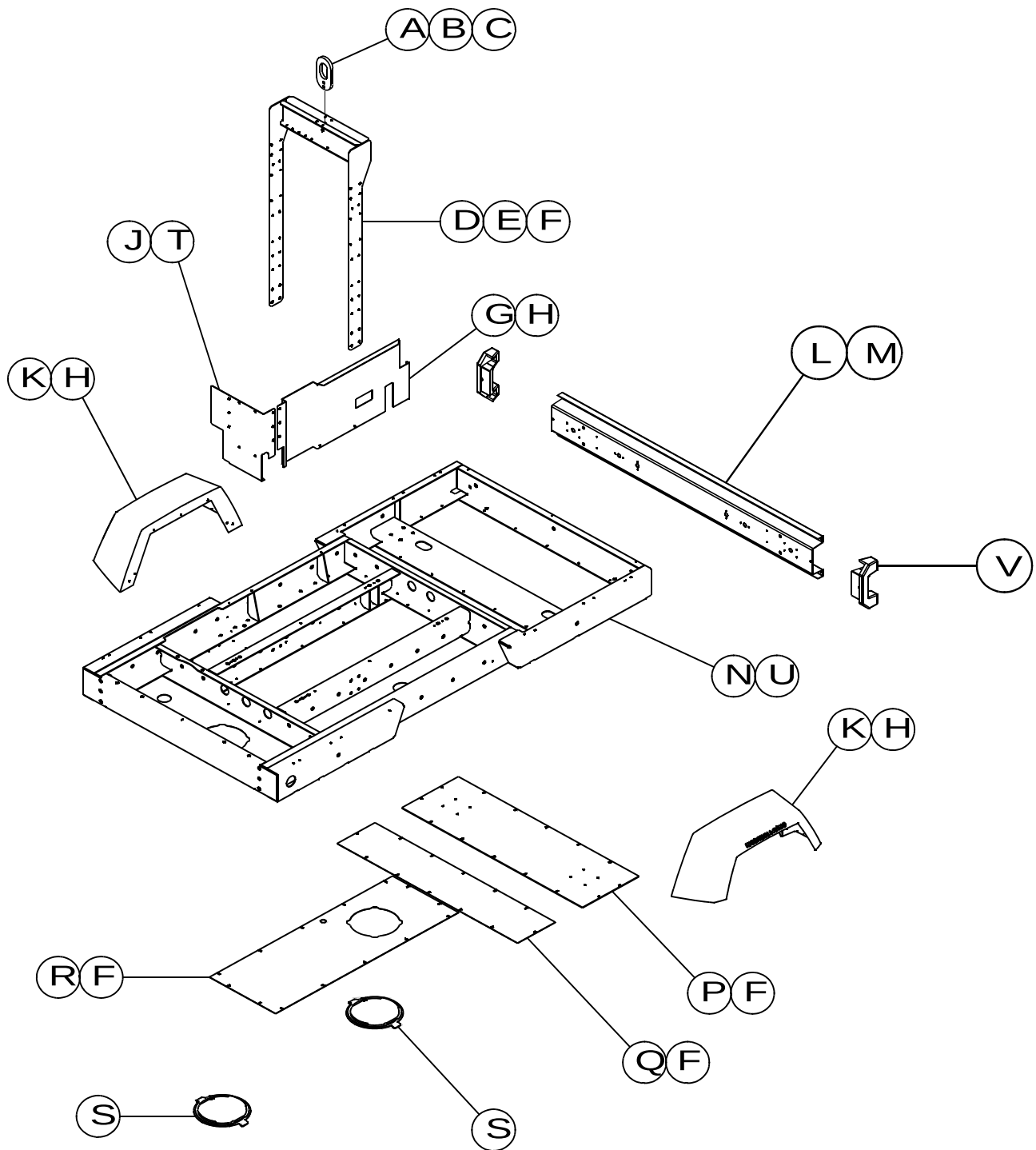
Always specify the model and serial number of the unit.

Specify the part number and description.



Section B - COMPRESSOR PARTS

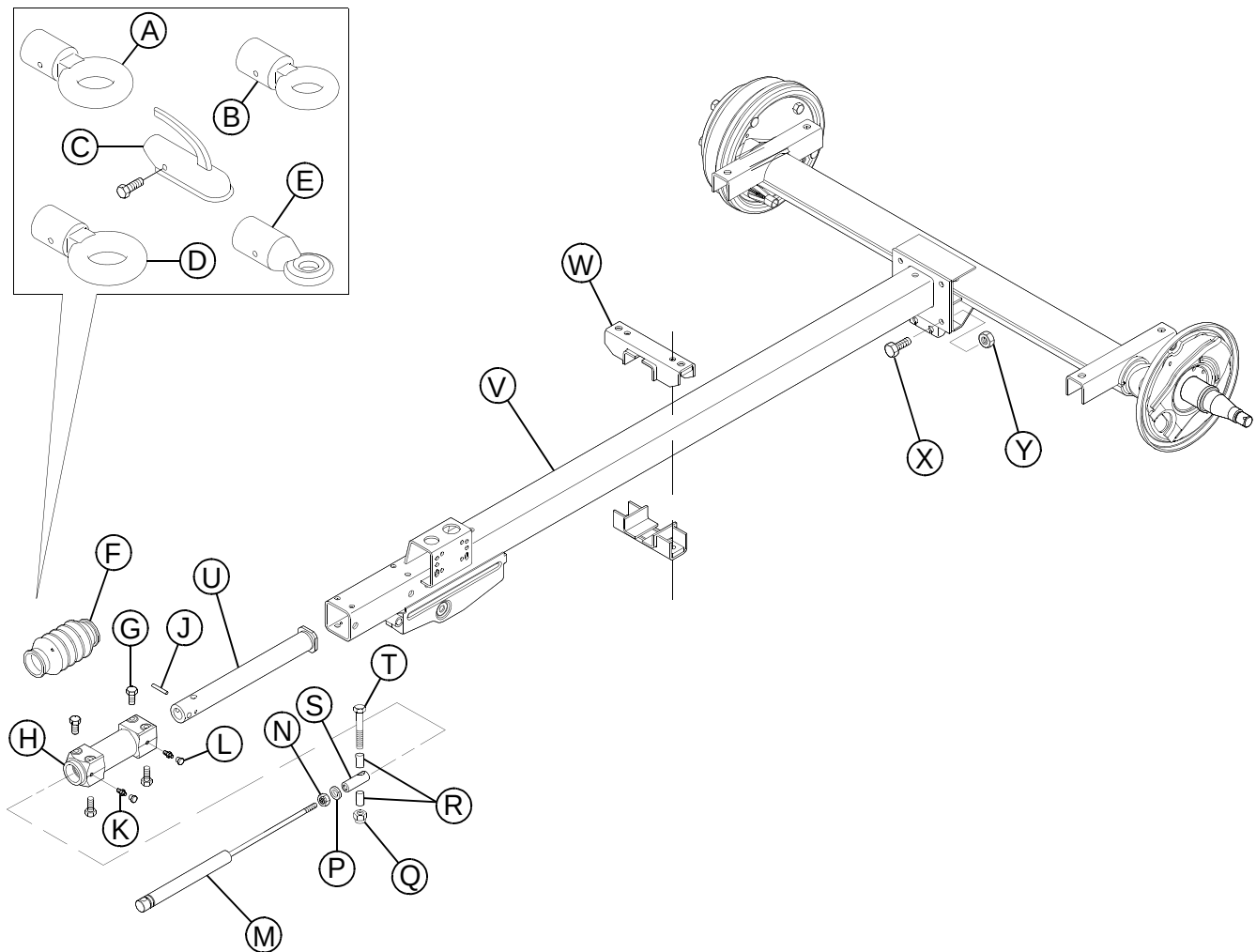
Frame



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54742028	Plate, Bail Eye	1	
B	35290113	Screw, Hex M16-2.0 X 75	2	
C	96701750	Nut, Hex Nyloc M16-2.0	2	
D	54774203	Bail, Lifting	1	
E	36879492	Screw, Hex Flange M12-1.75 X 25	8	
F	35279025	Screw, Tapping M08-1.25 X 20	44	
G	22058333	Guard, Toolbox	1	
H	92368687	Screw, Tapping M06-1.0 X 14	23	
J	22109011	Panel, Toolbox Small	1	
K	88106224	Fender	2	
L	54737630	Bumper / Light Bar	1	
M	36888055	Screw, Hex Flange M12-1.75 X 30	4	
N	22206387	Frame	1	
P	22207021	Pan, Rear Belly	1	
Q	22207039	Pan, Center Belly	1	
R	22207013	Pan, Front Belly	1	
S	36880623	Cover, Flexible Access	1	
T	36797652	Screw, Tapping M06-1.0 X 12	5	
U	54772041	Plug, Snap-in-Hole	14	
V	54614870	Bumper, End Stop	2	

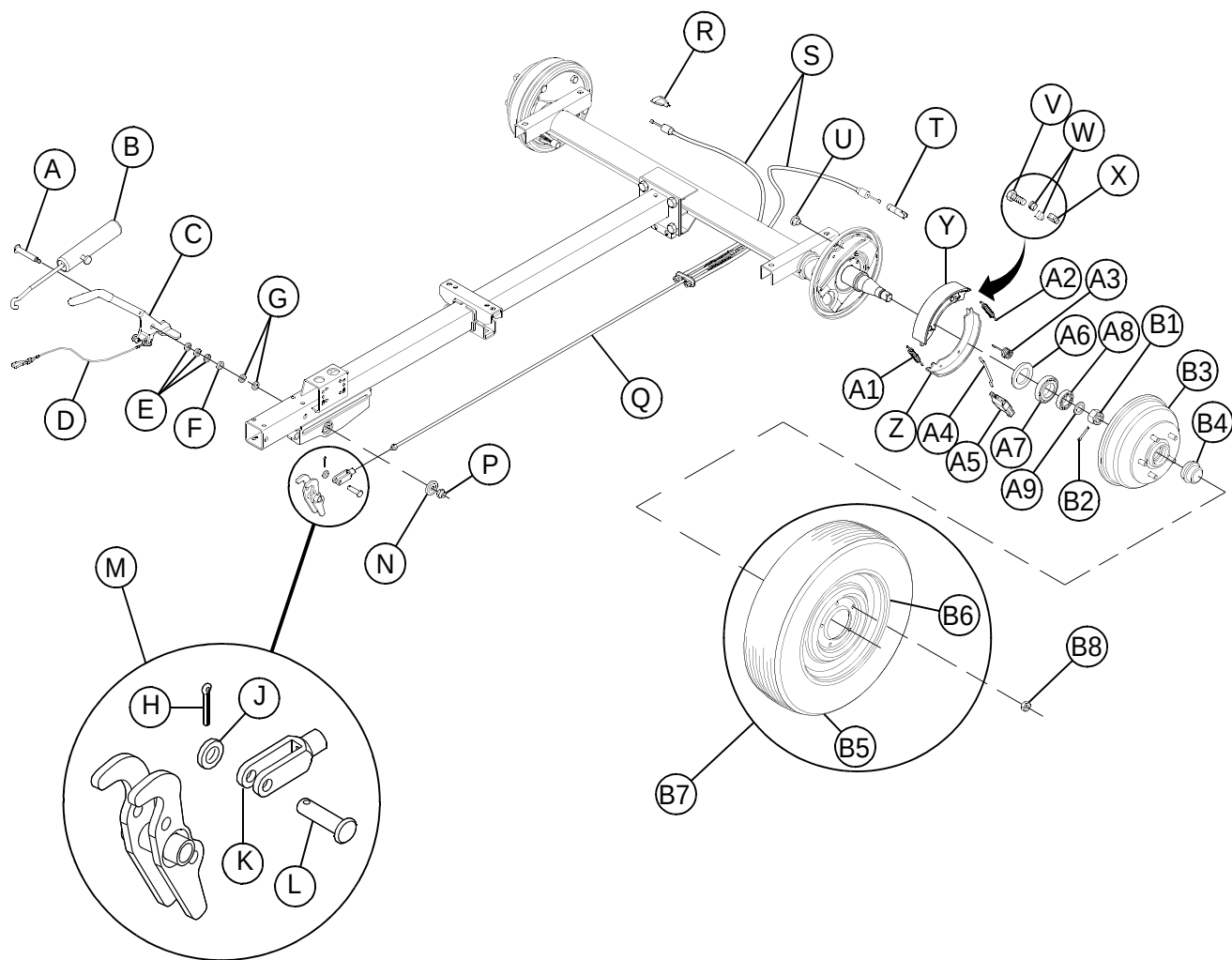
Fixed Height Drawbar



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22207823	Pintel Eye, 68 mm	1	
B	22177687	Pintel Eye, 50 mm	1	
C	22207815	Coupler, Ball	1	
D	22177620	Pintel Eye, 76 mm	1	
E	22177588	Pintel Eye, 40 mm	1	
F	22050393	Cover	1	
G	22241350	Bolt	8	
H	22250450	Tube	1	
J	22251359	Pin	1	
K	22241095	Nipple	2	
L	22241426	Cap	2	
M	22251243	Damper	1	
N	22051577	Lock Nut	1	
P	22051585	Washer	1	
Q	22051494	Lock Nut	1	
R	22251367	Bushing	2	
S	22051544	Joint	1	
T	22251482	Bolt	1	
U	22250518	Slider	1	
V	22250583	Drawbar	1	
W	22251300	Clamp	1	
X	22251516	Screw	4	
Y	22251540	Nut	4	
Z	22251102	Collar	1	

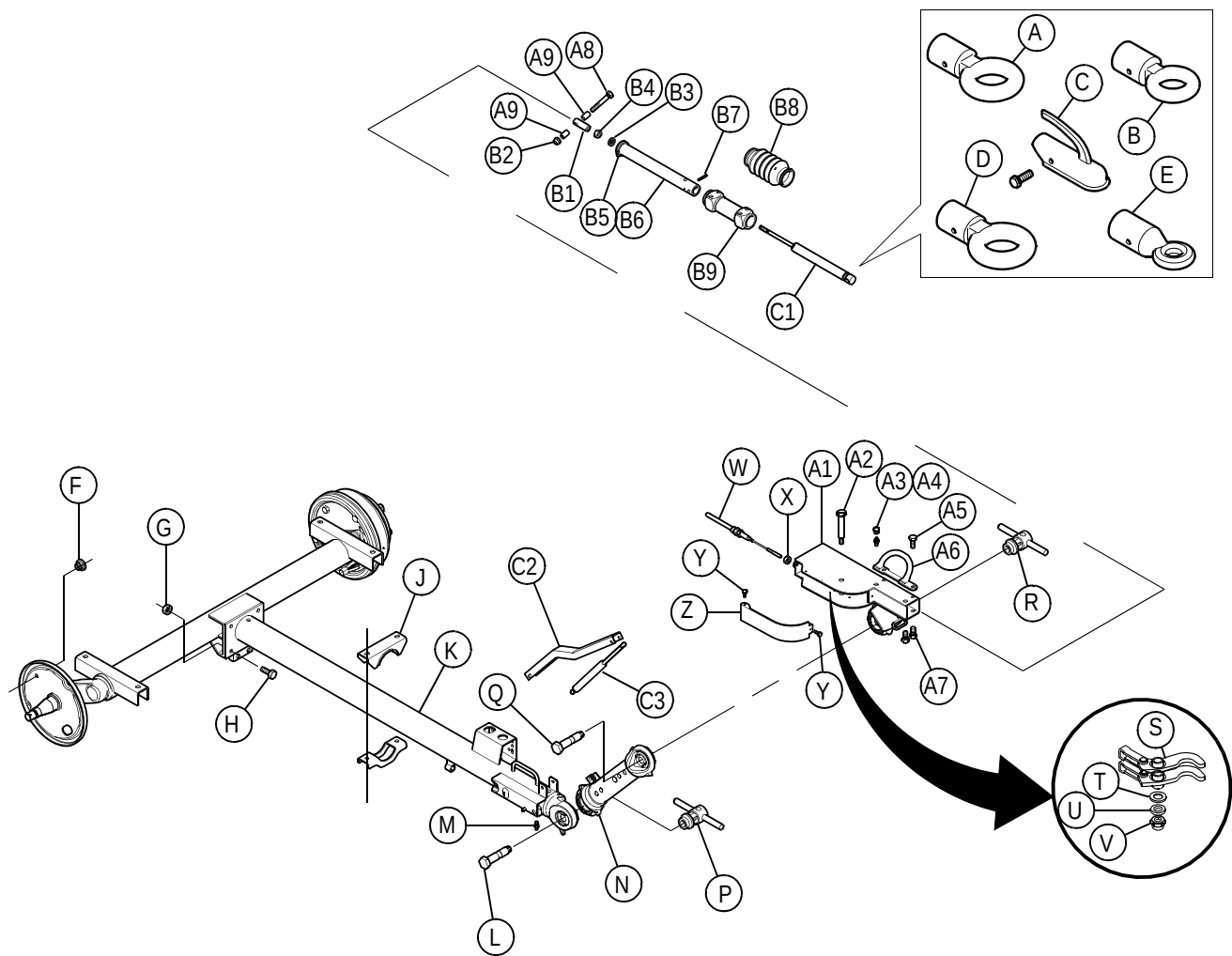
Fixed Height Drawbar w/ Parking Brakes



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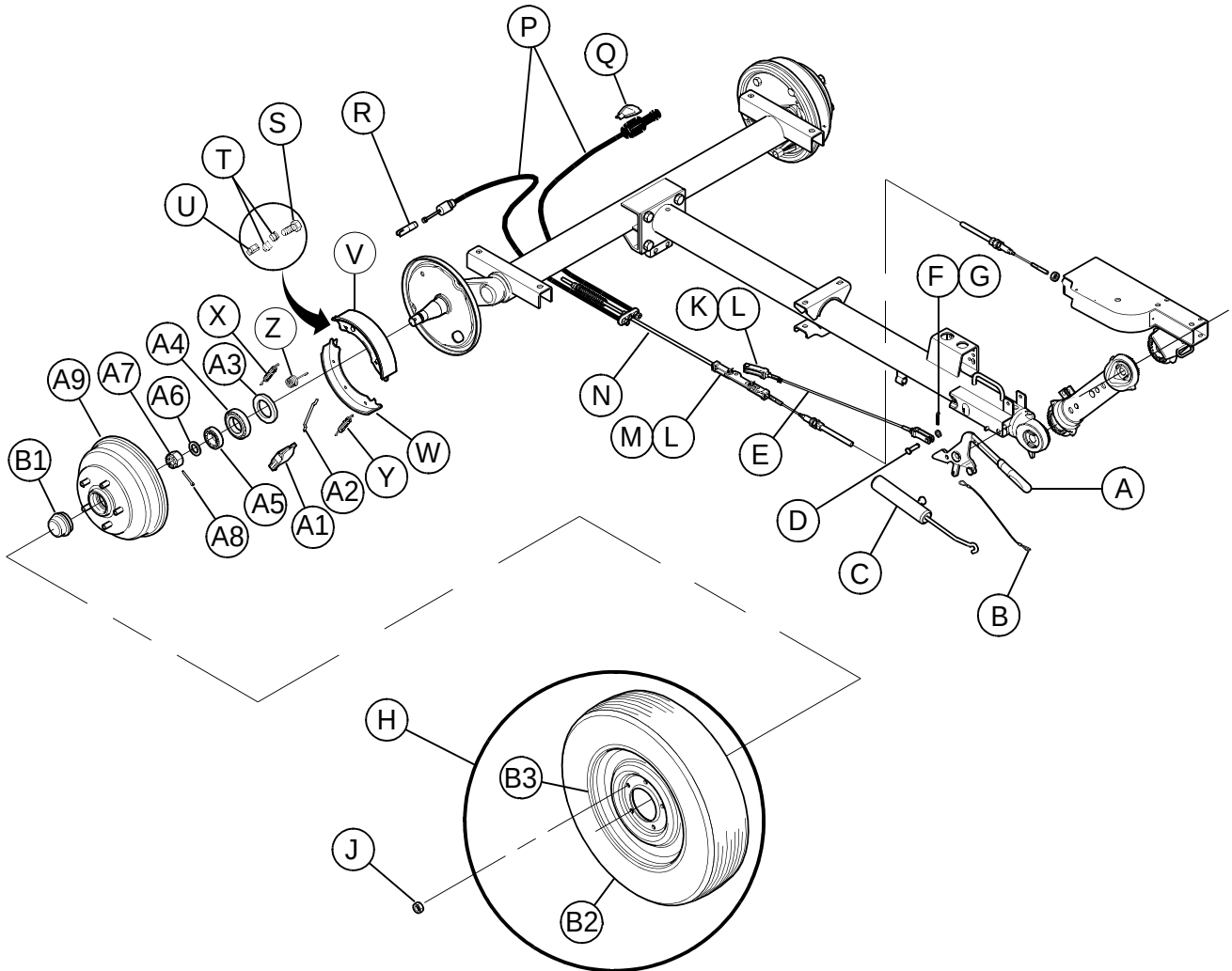
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22250807	Bolt	1	
B	22251292	Spring	1	
C	22051833	Lever, Handbrake	1	
D	22051841	Cable	1	
E	22241376	Washer	3	
F	22051882	Washer	1	
G	22250419	Washer	2	
H	22251532	Pin, Cotter	1	
J	22241491	Washer	1	
K	22251483	Clevis	1	
L	22241160	Pin	1	
M	22251318	Lever Assembly, Parking Brake	1	
N	22241194	Washer	1	
P	22051494	Lock Nut	1	
Q	22250781	Compensator	1	
R	22250617	Cover	2	
S	22250625	Cable	2	
T	22250922	Eye	2	
U	22250914	Cover	4	
V	22250955	Screw	2	
W	22250658	Key	4	
X	22250948	Taper	2	
Y	22250344	Shoe, Front Brake	2	
Z	22250351	Shoe, Rear Brake	2	
A1	22250377	Spring, Lower	2	
A2	22250369	Spring, Upper	2	
A3	22250963	Spring	2	
A4	22250849	Rod	2	
A5	22250872	Lever	2	
A6	22250831	Spacer	2	
A7	22250989	Bearing	2	
A8	22250971	Bearing	2	
A9	22250856	Washer	2	
B1	22251003	Lock Nut	2	
B2	22251524	Pin	2	
B3	22250609	Drum	2	
B4	22250880	Cap	2	
B5	54413547	Tire	2	
B6	54413513	Wheel	2	
B7	54413505	Tire and Wheel Assembly	2	
B8	22251011	Nut	10	

Variable Height Drawba



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22207823	Pintel Eye, 68 mm	1	
B	22177687	Pintel Eye, 50 mm	1	
C	22207815	Coupler, Ball	1	
D	22177620	Pintel Eye, 76 mm	1	
E	22177588	Pintel Eye, 40 mm	1	
F	22250914	Cover	4	
G	22251508	Nut	4	
H	22251557	Bolt	4	
J	22250567	Clamp	1	
K	22250559	Drawbar	1	
L	22250823	Bolt	1	
M	22241400	Nipple	1	
N	22250526	Link, Adjustable	1	
P	80026123	Handle	1	
Q	22241178	Bolt	1	
R	22251250	Handle	1	
S	22250542	Lever	1	
T	22051882	Washer	2	
U	22051874	Washer	1	
V	22051494	Lock Nut	2	
W	22251573	Cable, Brake	1	
X	22051577	Nut	2	
Y	22241533	Screw	3	
Z	22250443	Cover	1	
A1	22250534	Coupling Assembly	1	
A2	22250492	Bolt	1	
A3	22241095	Nipple	2	
A4	22241426	Cap	3	
A5	22241368	Bolt	2	
A6	22250864	Handle	1	
A7	22241368	Screw	6	
A8	22251409	Bolt	1	
A9	22051551	Bushing	2	
B1	22051544	Joint	1	
B2	22051494	Nut, Lock M12-1.75	1	
B3	22051577	Nut, Lock	1	
B4	22051585	Washer	1	
B5	22051429	Collar	1	
B6	22251284	Slider	1	
B7	22251599	Pin	1	
B8	22051510	Cover	1	
B9	22250401	Tube	1	
C1	22251227	Damper	1	
C2	22251326	Link	1	
C3	23179310	Damper	1	

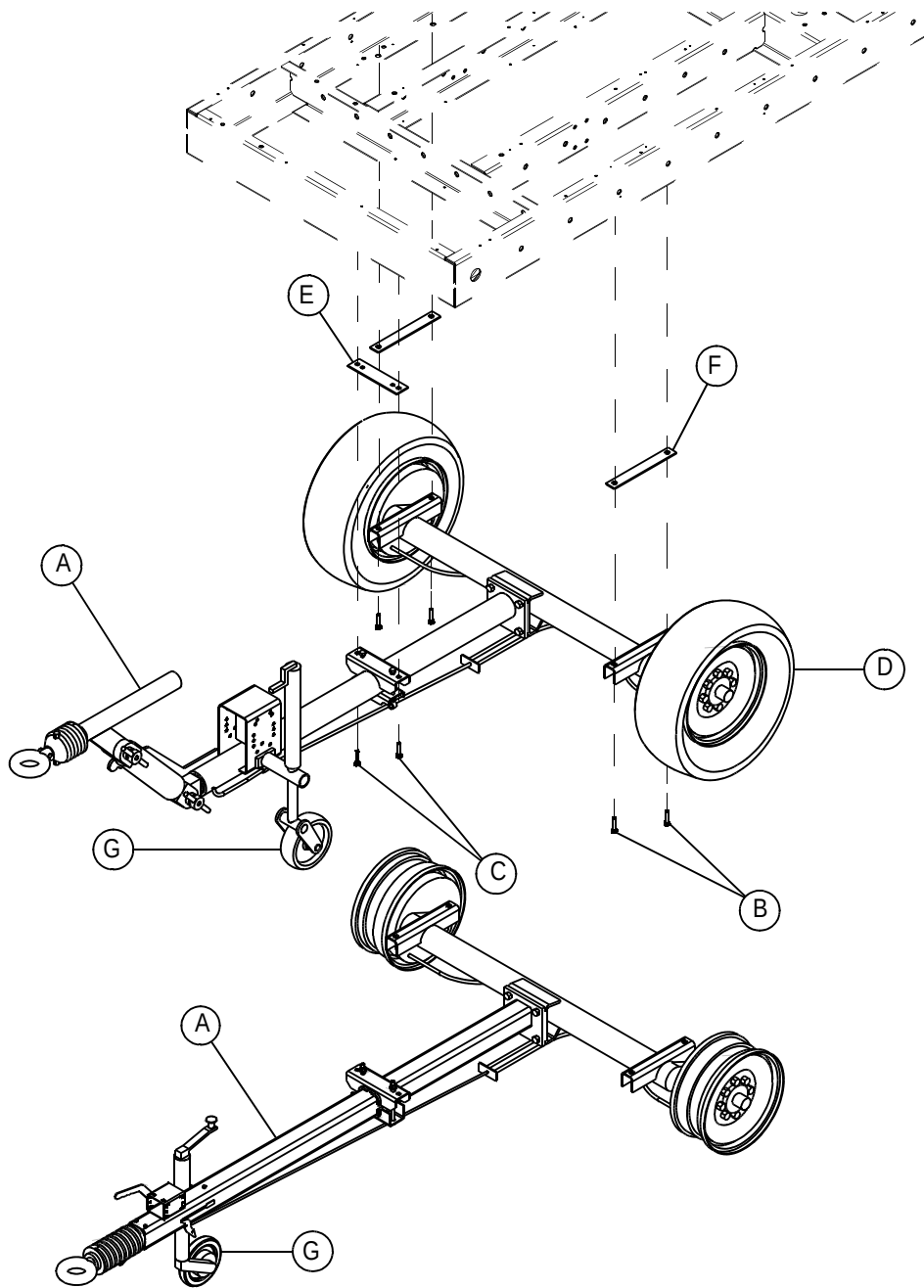
Variable Height Drawbar w/ Parking Brakes



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22066823	Lever, Handbrake	1	
B	22241418	Cable	1	
C	22250765	Spring	1	
D	22241160	Pin	2	
E	22241152	Cable	1	
F	22241491	Washer	2	
G	22251532	Pin	2	
H	54413505	Tire and Wheel Assembly	2	
J	22251375	Nut	12	
K	22241483	Clevis	2	
L	22051577	Nut	4	
M	22251573	Cable, Brake	1	
N	22250575	Compensator	1	
P	22250625	Cable	2	
Q	22250617	Cover	2	
R	22250922	Eye	2	
S	22250955	Screw	2	
T	22250658	Key	4	
U	22250948	Taper	2	
V	22250351	Shoe, Front Brake	2	
W	22250344	Shoe, Rear Brake	2	
X	22250897	Spring, Upper	2	
Y	22250906	Spring, Lower	2	
Z	22250963	Spring	2	
A1	22250872	Lever	2	
A2	22250849	Rod	2	
A3	22250831	Spacer	2	
A4	22250989	Bearing	2	
A5	22250971	Bearing	2	
A6	22250856	Washer	2	
A7	22250997	Lock Nut	2	
A8	22251524	Pin	2	
A9	22250609	Drum	2	
B1	22250880	Cap	2	
B2	54413547	Tire 205/75R17.5	2	
	22584817	Tire 225/75 R16C (French Variable Height Drawbar)	2	
B3	54413513	Wheel 6.0-17.5 6	2	
	22584809	Wheel 6J X 16H2 (French Variable Height Drawbar)	2	

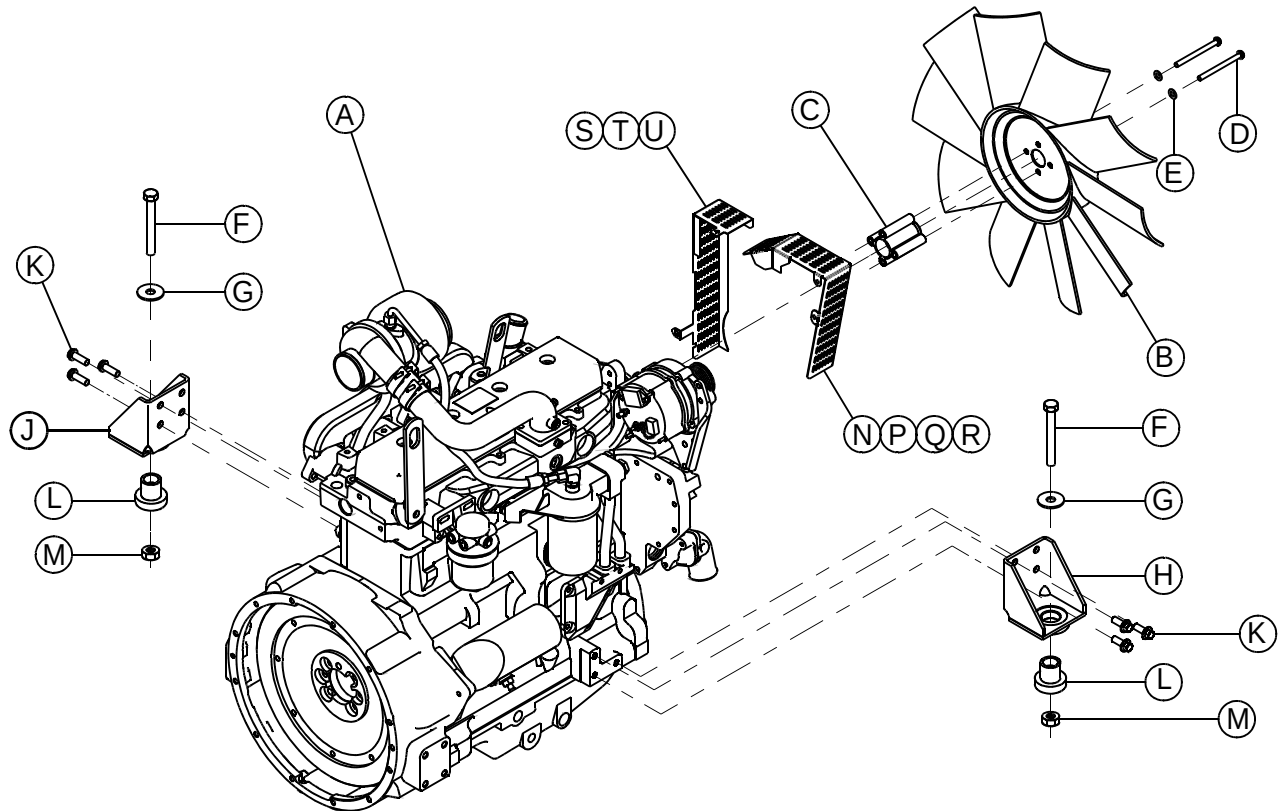
Drawbar Mount



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22111694	Running Gear, Fixed Height	1	
	22111686	Running Gear, Variable Height	1	
B	35375591	Screw, Hex M16-2.0 X 30	4	
C	96702311	Screw, Hex M12-1.75 X 30	2	
D	54413505	Tire Assembly	2	
	22584791	Tire Assembly (French Variable Height Drawbar)	2	
E	22259352	Spacer, Drawbar	1	
F	22259345	Spacer, Running Gear	2	
G	22182075	Jockey Wheel Assembly	1	

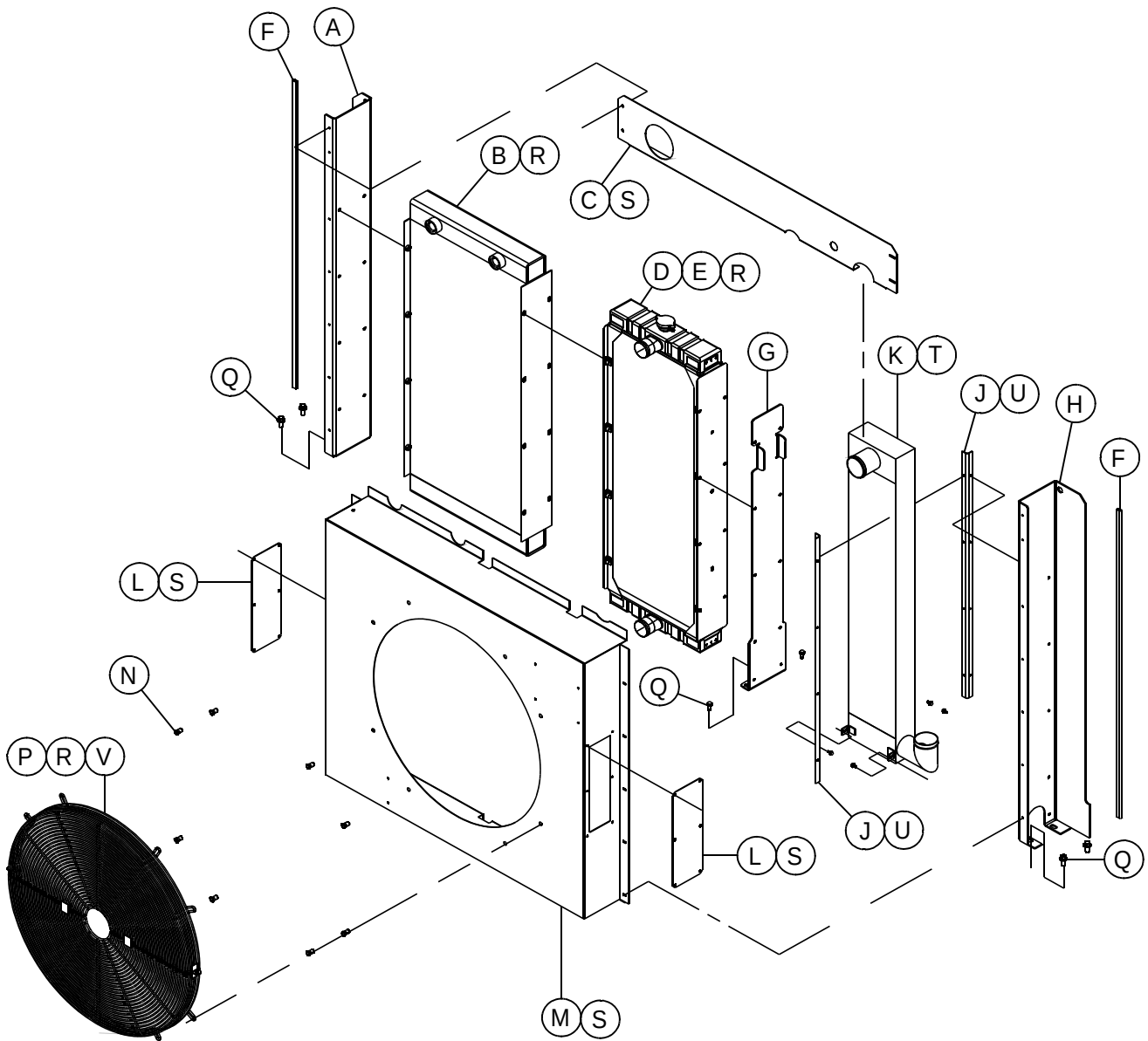
Engine Mount



23209273_04/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22884613	Engine	1	
B	22712350	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	
K	36879492	Screw, Hex Flange M12-1.75 X 25	6	
L	54756697	Isolator, Center Bond	2	
M	96704630	Nut, Nyloc M16-2.0	2	
N	96709118	Washer, Flat M08	2	
P	36895746	Nutsert, Hex M08	2	
Q	22250179	Guard, Belt	1	
R	96704408	Screw, Hex Flange M08-1.25 X 20	2	
S	96737556	Screw, Hex Flange M10-1.75 X 25	1	
T	23251754	Guard, Belt	1	
U	96720545	Screw, Hex Socket Head Cap M16-2.0 X 35	1	
~	22206148	Element, Oil Filter	AR	
~	22969257	Element, Final Fuel Filter	AR	
~	22969265	Element, Primary Fuel Filter	AR	

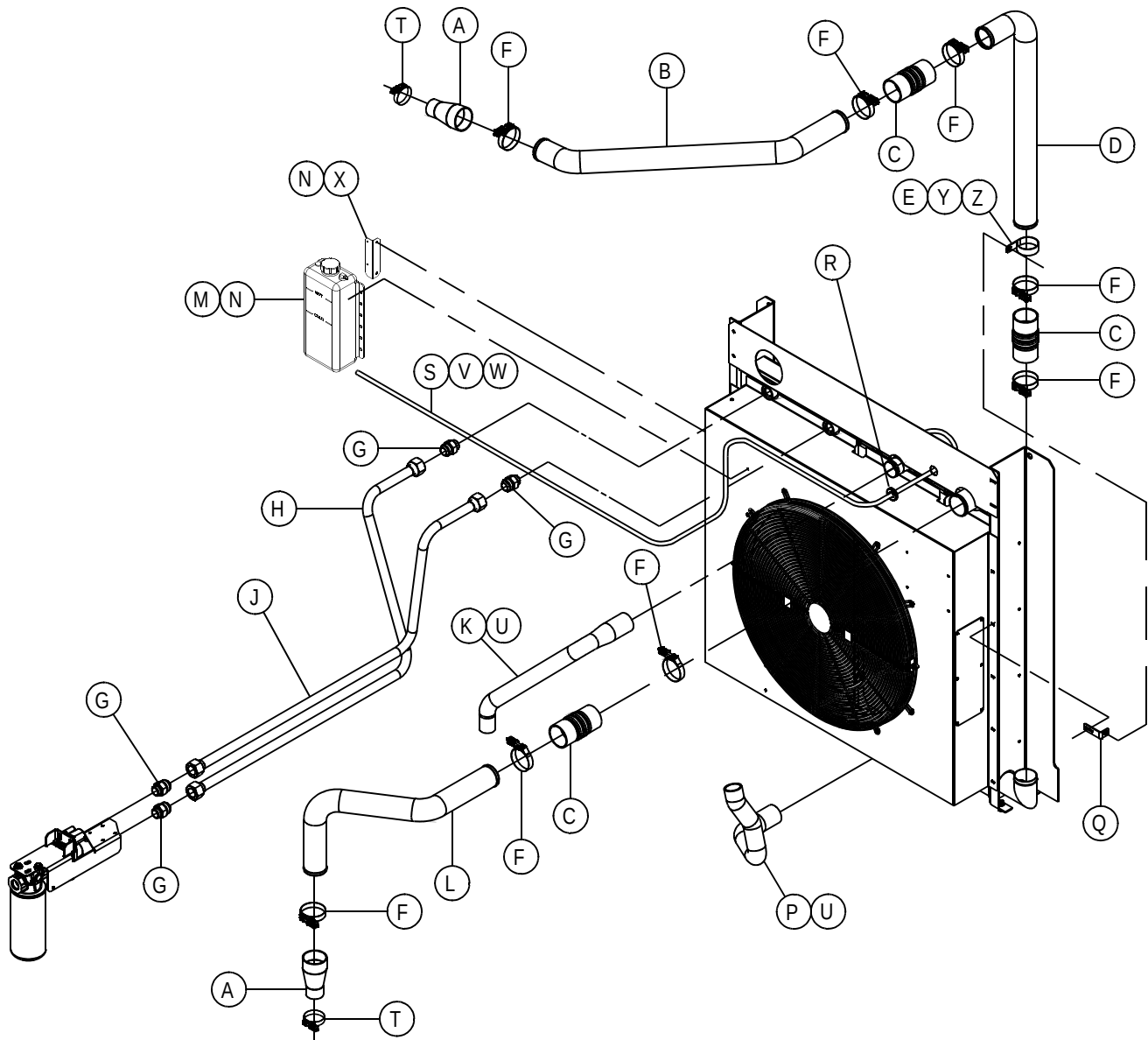
Cooler Mount



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22890941	Baffle, CRBSD Cooler	1	
B	22872675	Cooler, Oil	1	
C	22890966	Baffle, Radiator Top	1	
D	22872667	Radiator	1	
E	23264096	Cap, Radiator	1	
F	23240310	Guard, Door Edge	2	
G	22929095	Support, Radiator	1	
H	22890958	Baffle, STSD Cooler	1	
J	22888200	Channel, Mounting Charge Air Cooler	2	
K	22872683	Cooler, Charge Air	1	
L	22746630	Cover, Cooler Access	2	
M	22890974	Shroud, Fan	1	
N	36895746	Nutsert, Hex M08	8	
P	22124093	Guard, Fan	1	
Q	36879492	Screw, Hex Flange M12-1.75 X 25	6	
R	36889608	Screw, Hex Flange M08-1.25 X 25	34	
S	36797652	Screw, Tapping M06-1.0 X 12	34	
T	35279025	Screw, Tapping M08-1.25 X 20	2	
U	92368687	Screw, Tapping M06-1.0 X 14	8	
V	36881886	Nut, Hex Flange M08-1.25	2	

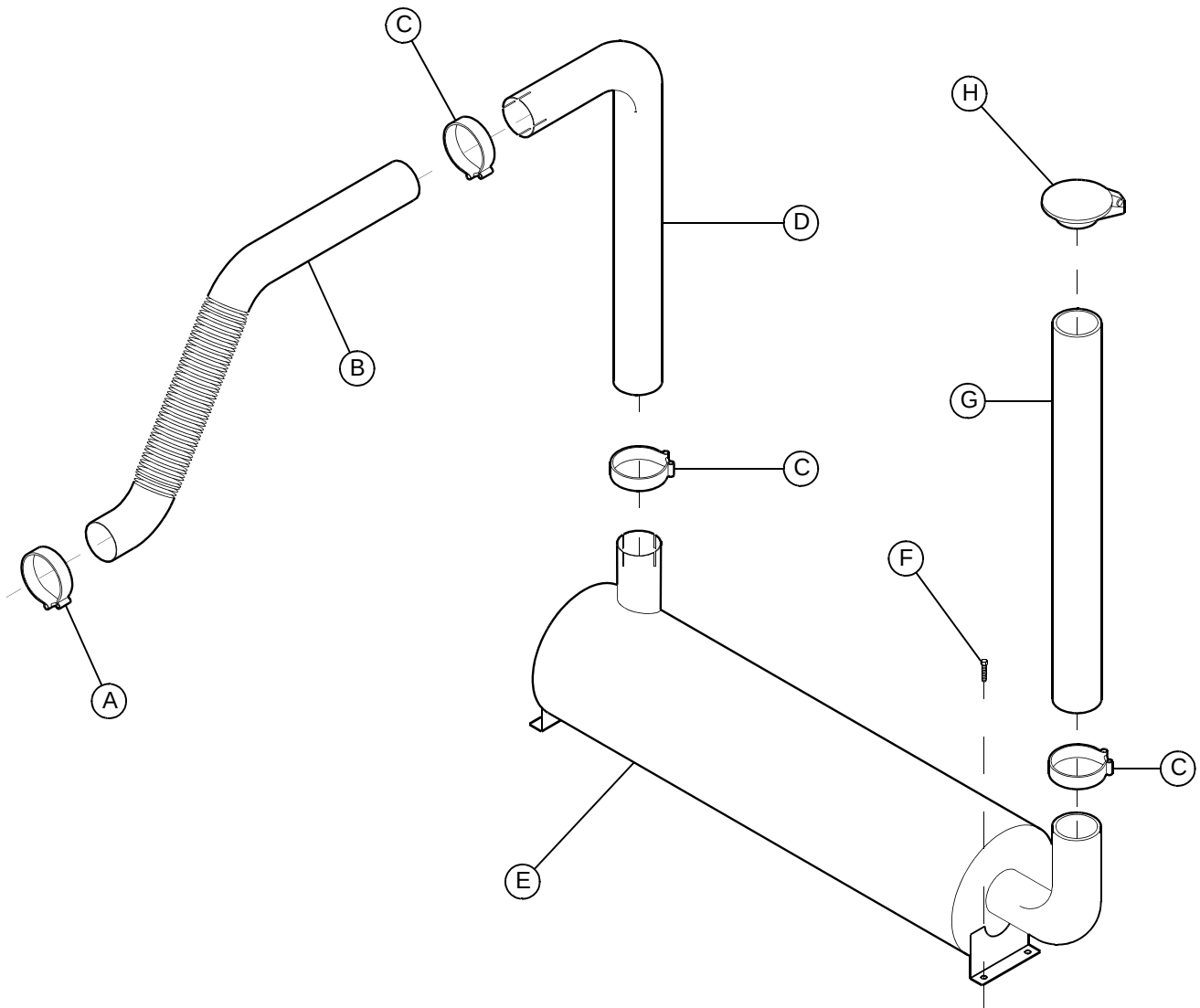
Cooler Piping



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22189310	Reducer	2	
B	23056930	Tube, Charge Air Lower	1	
C	22058556	Hose, STR-Bellows	3	
D	23056955	Tube, Charge Air Bottom	1	
E	35145408	Clamp, Support	1	
F	22144513	Clamp, Spring Loaded T-Bolt	8	
G	95315289	Connector, 1.31-12 X 1.62-12	4	
H	23013022	Tube, Oil Cooler	1	
J	23013030	Tube, Oil Cooler	1	
K	22891618	Hose, Top Radiator	1	
L	23056948	Tube, Charge Air Upper	1	
M	36845600	Bottle, Overflow	1	
N	36797652	Screw, Tapping M06-1.0 X 12	4	
P	22891626	Hose, Bottom Radiator	1	
Q	35190487	Bracket, Tube Clamp	1	
R	35285162	Grommet, 3/4" ID		
S	35360775	Tubing, 5/16" ID	48"	
T	22189302	Clamp, Spring Loaded T-Bolt	2	
U	35221639	Clamp, Hose	4	
V	35253038	Clamp, 3/8" Rubber Coated Support	2	
W	35296342	Clamp, Worm Gear	2	
X	23242779	Bracket, Coolant Bottle	1	
Y	92398130	Screw, Hex Flange M08-1.2 X 20	1	
Z	36881886	Nut, Hex Flange M08-1.25	1	

Exhaust Piping

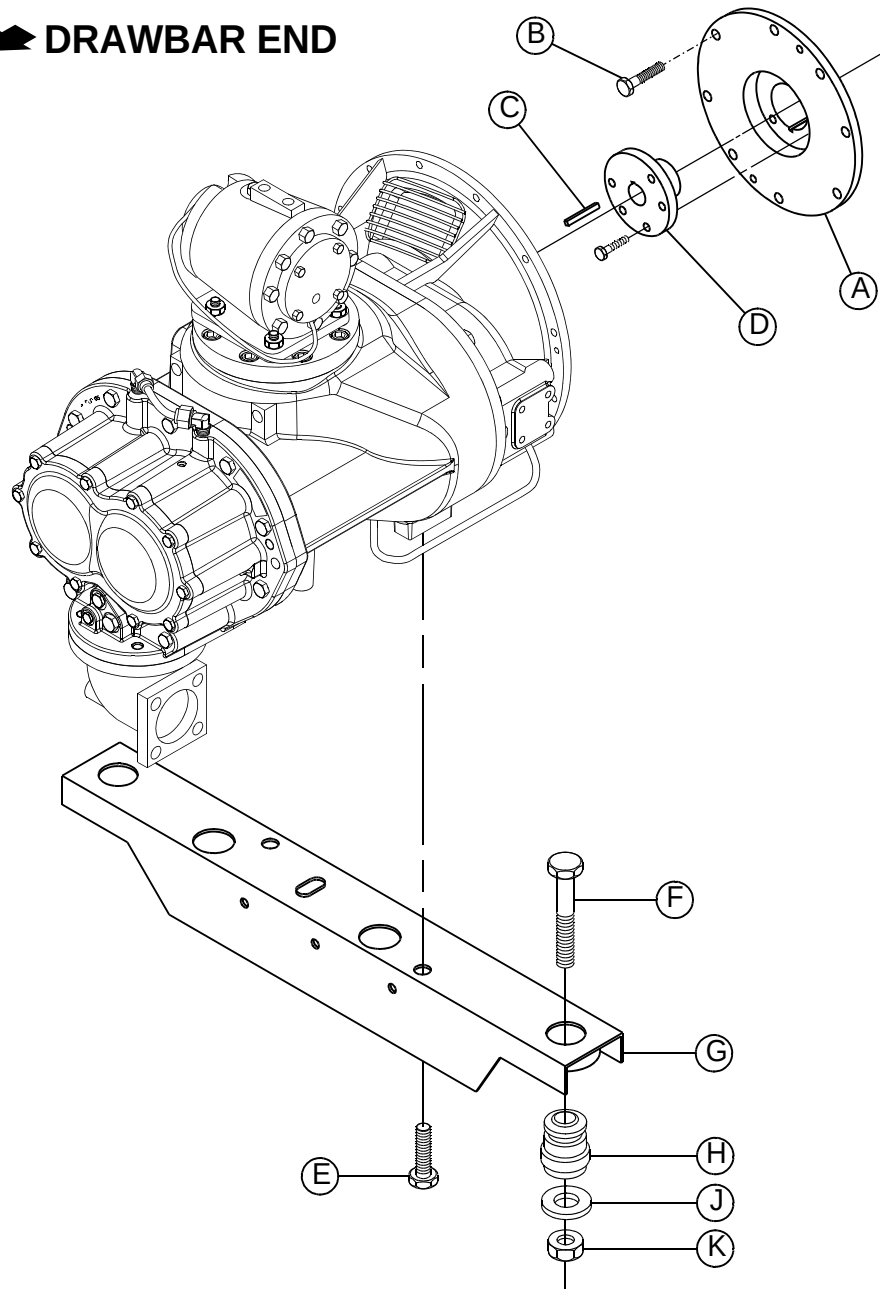


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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881175	Clamp, Exhaust	1	
B	22153530	Tube, Engine Exhaust	1	
C	35313303	Clamp, 4" Seal	3	
D	22573794	Tube, Exhaust	1	
E	22446079	Muffer	1	
F	35279025	Screw, Tapping M08-1.25 X 20	4	
G	22710719	Pipe, Exhaust	1	
	54774229	Pipe, Exhaust (High Ambient ONLY0	1	
H	35504364	Cap, Rain	1	

Airend Mounting

➡ DRAWBAR END

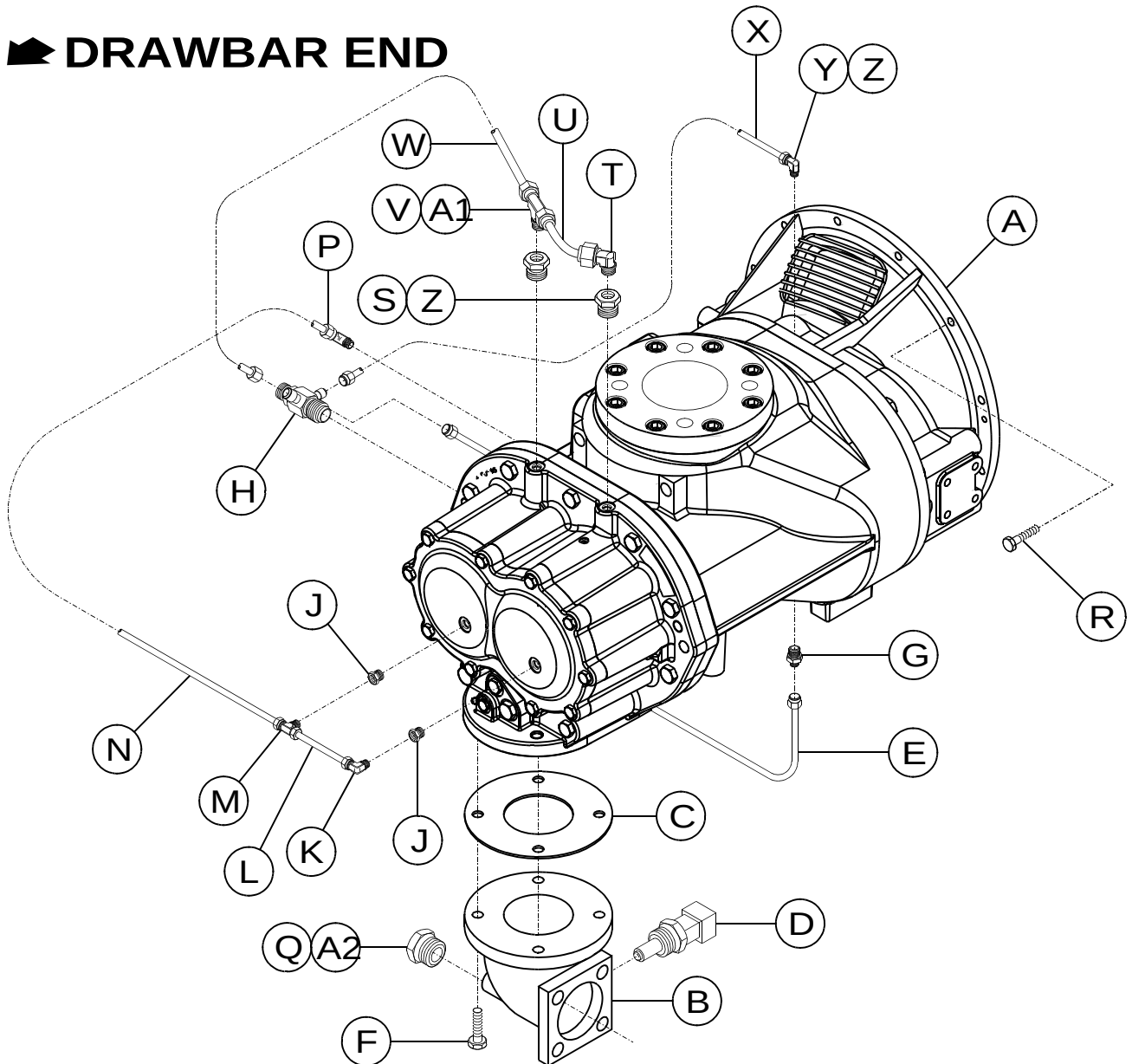


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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35834787	Coupling, Clutch	1	
B	95220604	Screw, Hex Socket Head Cap 3/8"-16 X .75"	8	
C	35364975	Key, 1/2" SQ X 2.75"	1	
D	35103852	Bushing, Clutch	1	
E	35375591	Screw, Hex M16-2.0 X 30	2	
F	35290113	Screw, Hex M16-2.0 X 75	2	
G	42308511	Support, Airend	1	
H	35318229	Isolator, Center Bond Mount	2	
J	35327212	Washer, Snubber	2	
K	96704630	Nut, Hex Nyloc M16-2.0	2	

Airend Piping

➡ DRAWBAR END

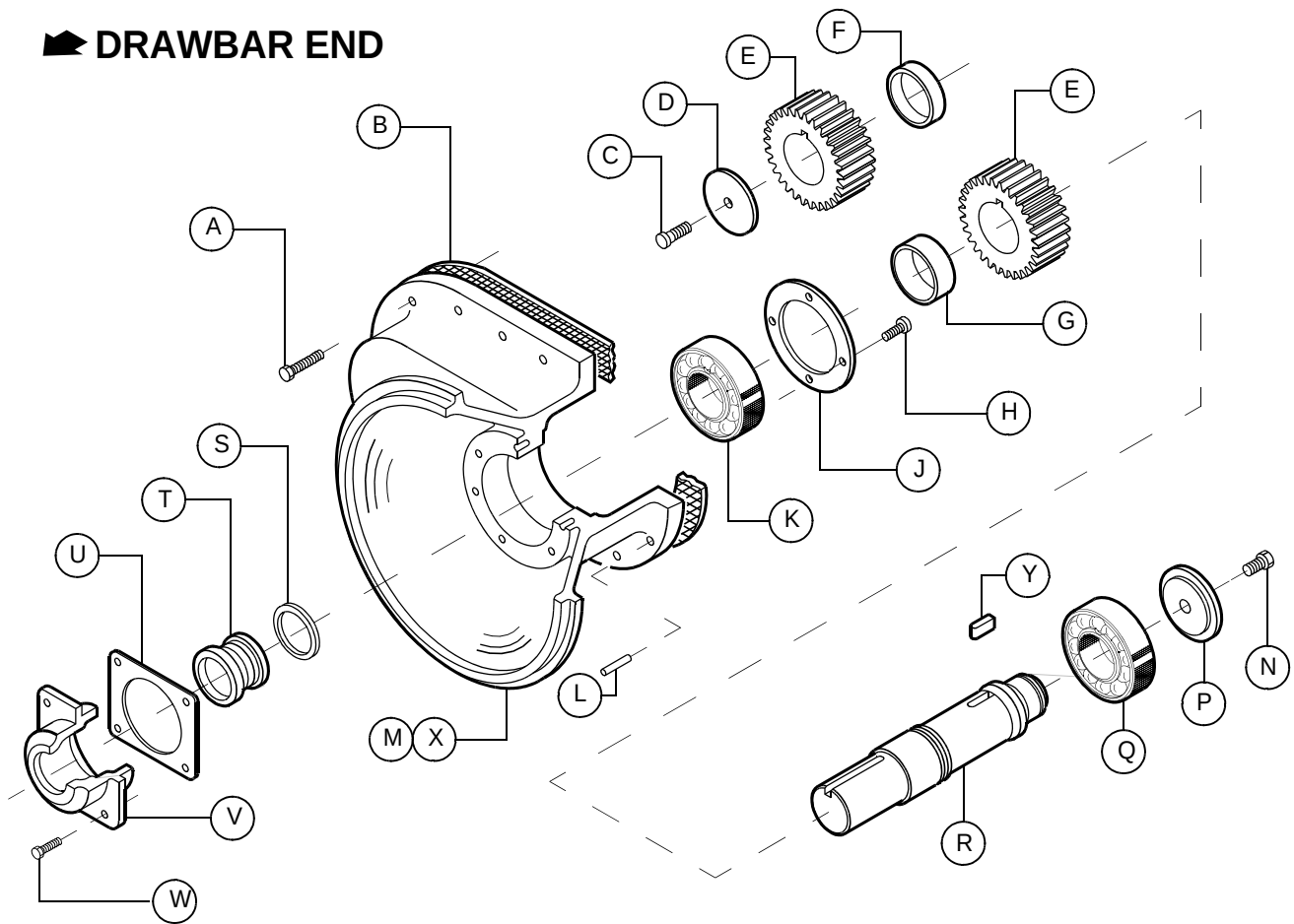


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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36010643	Airend Assembly	1	P600, 7/170
	36011534	Airend Assembly	1	HP450, 10/125
	36018042	Airend Assembly	1	VHP400, 14/115
B	22247340	Elbow, Discharge	1	
C	35575570	Gasket, Airend Discharge	1	
D	36898922	Sensor, Temperature	1	
E	22189609	Tube, Airend Oil	1	
F	35375385	Screw, Hex M16-2.0 X 40	4	
G	95402806	Adapter, 7/16"-20 X -6 JIC	1	
H	36845154	Manifold, Oil	1	
J	36846095	Connector, 3/4" O-RING	2	
K	35286491	Elbow, 7/8"-14 X -10 JIC	1	
L	36846111	Tube, Rear Scavenge	1	
M	36846129	Tee, 7/8"-14 X -10 JIC	1	
N	36846103	Tube, Bearing Oil Scavenge	1	
P	35305622	Elbow, 3/4"-16 X -10 JIC	1	
Q	35278555	Plug, Adapter	1	
R	36880995	Screw, Hex M10-1.75 X 30	12	
S	35287945	Expander, 9/16-18 X -6 JIC	2	
T	35279827	Elbow 9/16"-18 X -6 JIC	1	
U	36795482	Tube Assembly	1	
V	35279843	Tee, 9/16"-18 X -6 JIC	1	
W	36846087	Tube, Bearing Oil Supply	1	
X	22189591	Tube, Airend Oil	1	
Y	35279876	Elbow, 7/16"-20 X -4 JIC	1	
Z	35279959	O-Ring, 0.351" X 0.495"	3	
A1	35278571	O-Ring, 0.468" X 0.624"	1	
A2	35278589	O-Ring, 0.644" X 0.818"	1	

Alirend Gear Case

➡ DRAWBAR END

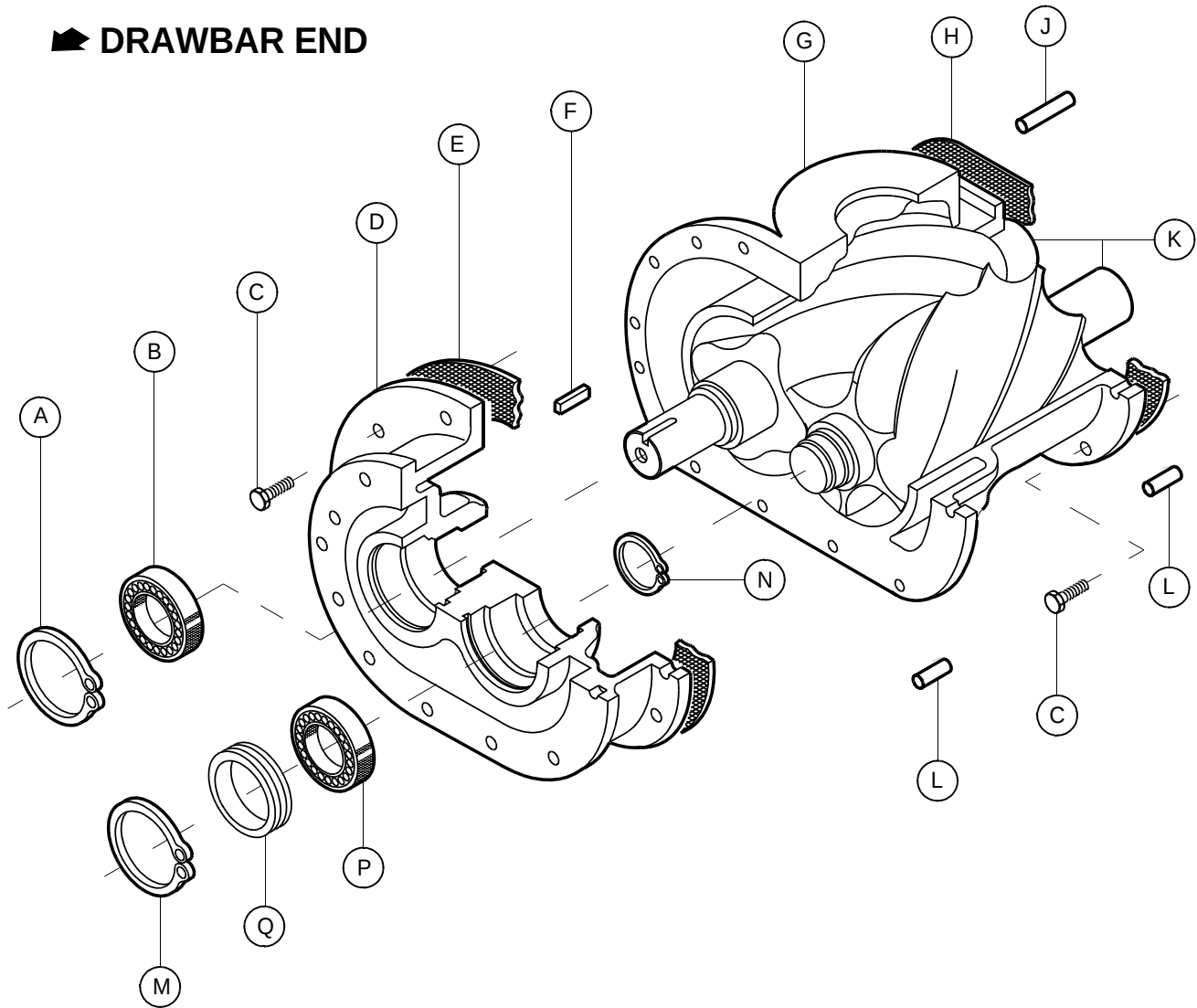


23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96716162	Screw, Socket Head M16-2.0 X 40	8	P600, 7/170 HP450, 10/125 VHP400, 14/115
B	39437637	Gasket	1	
C	35108372	Screw, Hex Head 1/2-13 X 1.25"	1	
D	35255827	Plate, Clamp	1	
E	36751659	Gear Set	1	
	36751667	Gear Set	1	
	35303429	Gear Set	1	
F	35262716	Spacer	1	
G	35269224	Spacer, Bearing	1	
H	95264149	Screw, Socket Head Cap 3/8"-16 X2.0"	4	
J	35573070	Plate, Retaining	1	
K	35601517	Bearing, Ball	1	
L	95239919	Pin, Dowel 1/2" X 1.25"	2	
M	35996164	Case, Gear	1	
N	35336304	Screw, Socket Head Cap M10-1.5 X 25	1	
P	36764785	Cap, Guide	1	
Q	35313568	Bearing, Cylindrical Roller	1	
R	36780906	Shaft, Drive	1	
S	95200945	Nut, Bearing Lock	1	
T	35593508	Seal, Oil	1	
U	35210087	Gasket	1	
V	35592757	Cover, Oil Seal	1	
W	96712187	Screw, Hex Head M12-1.75 X 30	6	
X	36798205	Guard, Gear Case	2	
Y	35361328	Key	1	

Alirend Rotor Housing

➡ DRAWBAR END

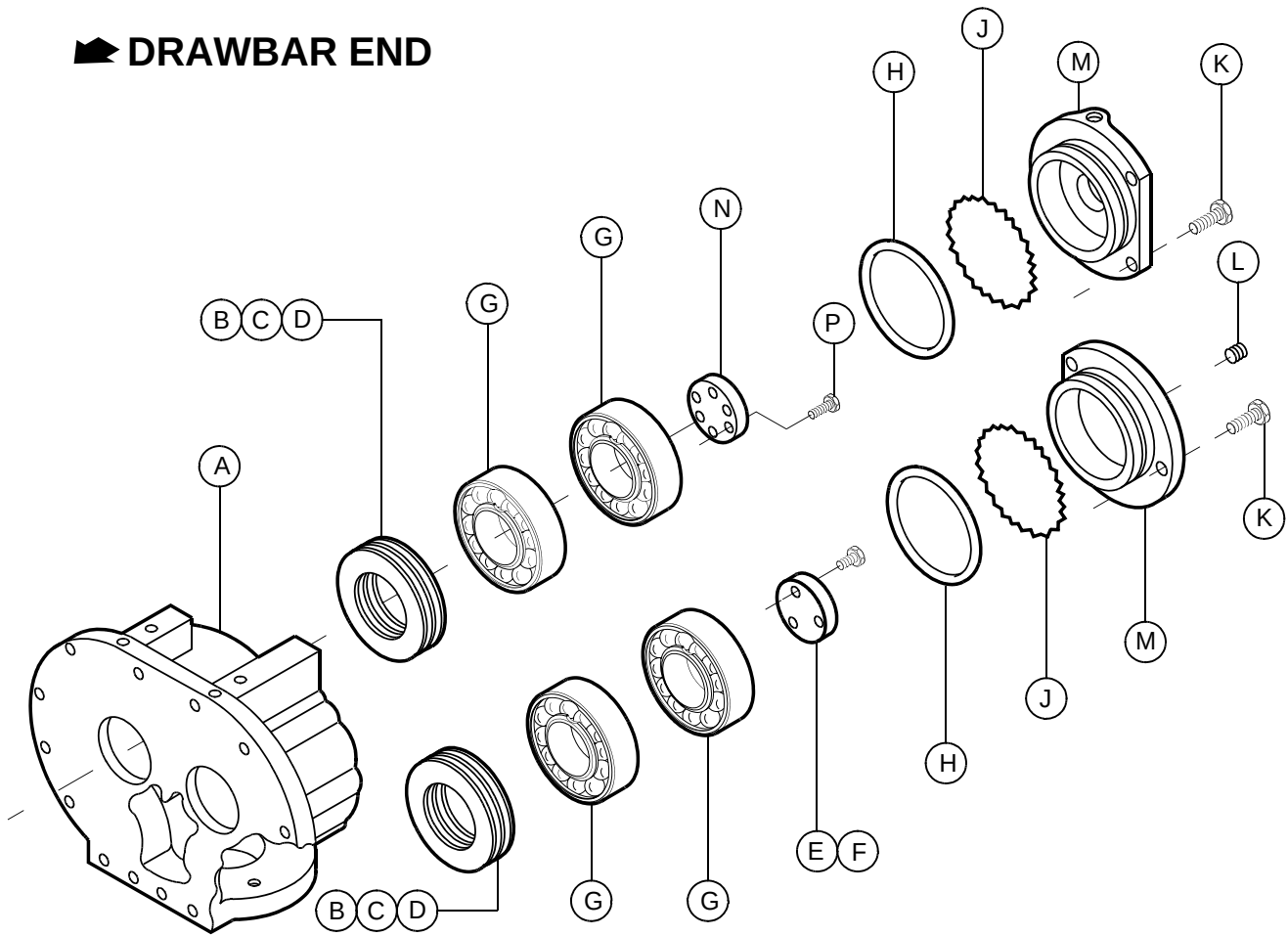


23209273_02/08_A

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	

Airend Rear Bearing HSG. Assembly

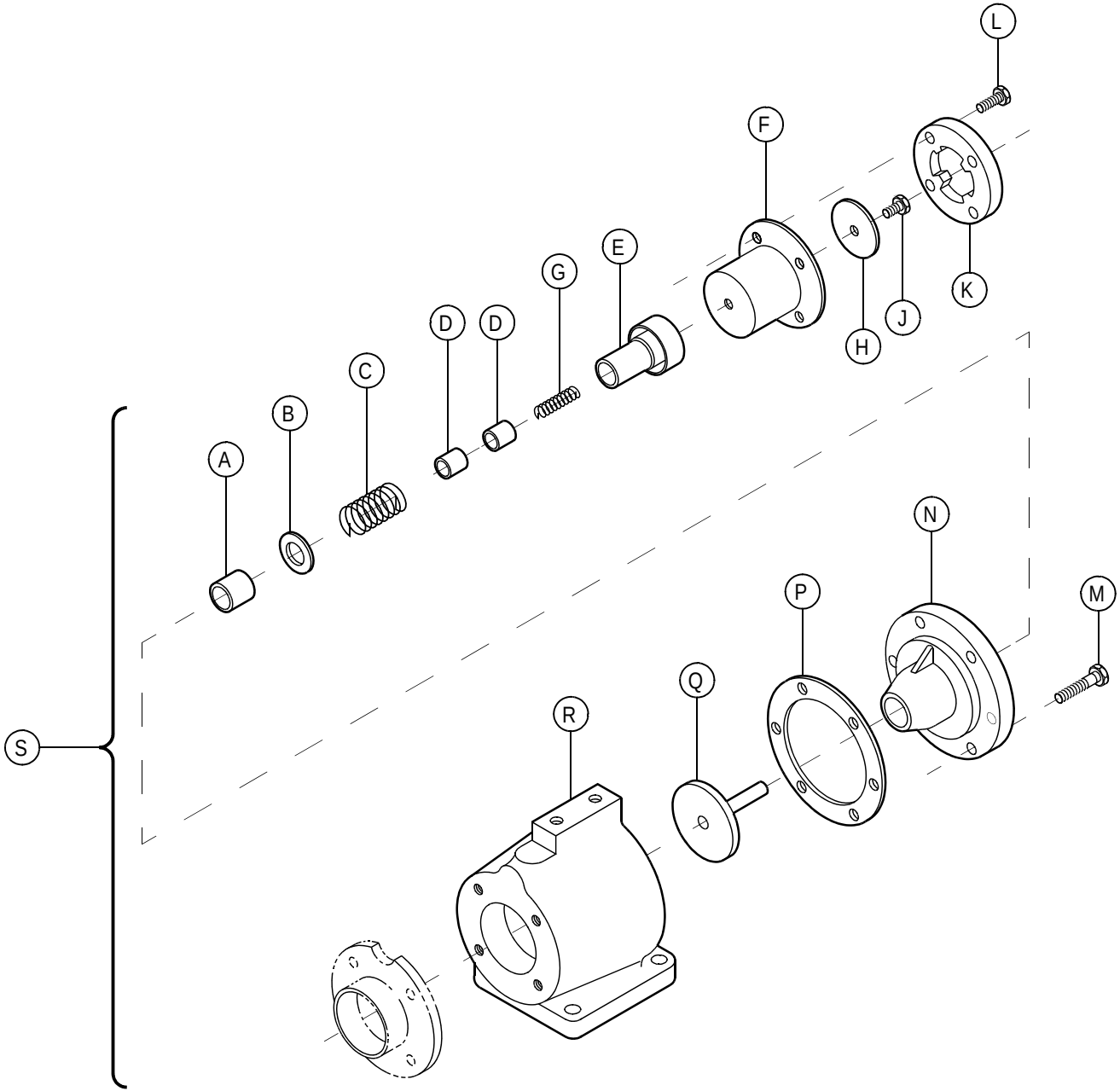
➡ DRAWBAR END



23209273_02/08_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	

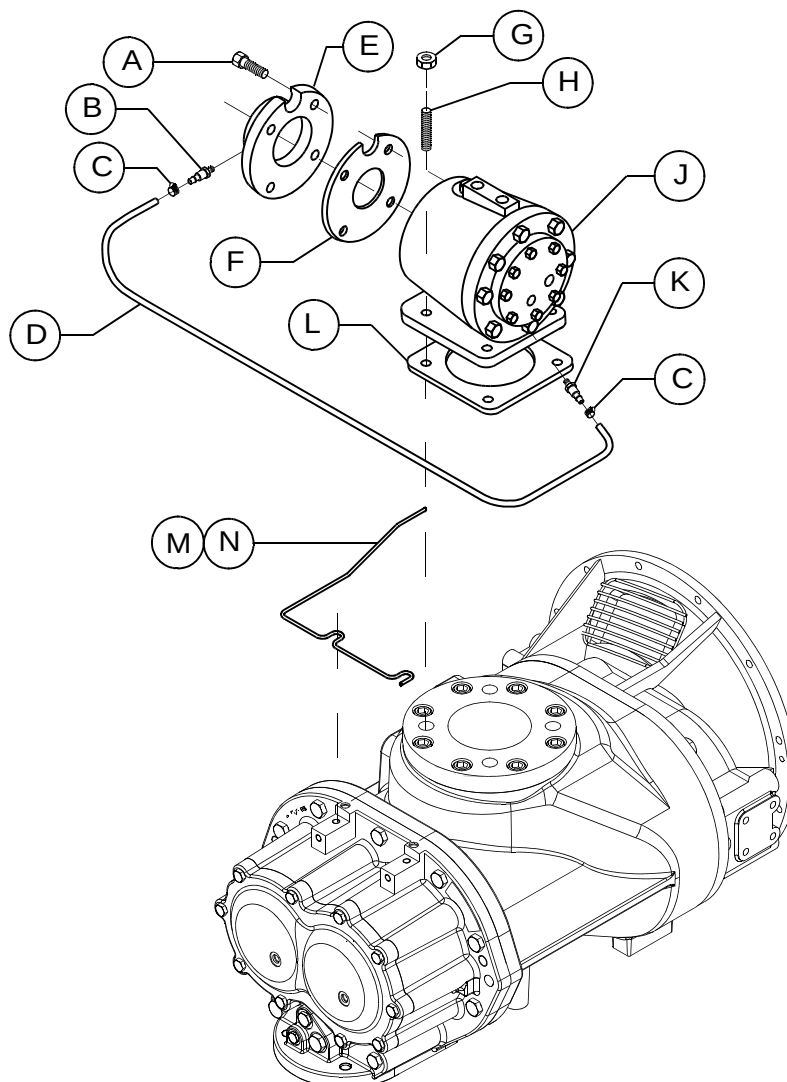
Unloader Assembly



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35318013	Bushing, Housing	1	
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	36849461	Cover, Piston	1	
L	35271162	Screw, Hex M08-1.25 X 30	4	
M	96702287	Screw, Hex M10-1.50 X 25	6	
N	35833227	Housing, Piston	1	
P	35588300	Gasket, Piston	1	
Q	35591122	Valve, Unloader	1	
R	36849453	Body, Unloader	1	
S	36011567	Valve Assembly, Unloader	1	

Unloader Mounting

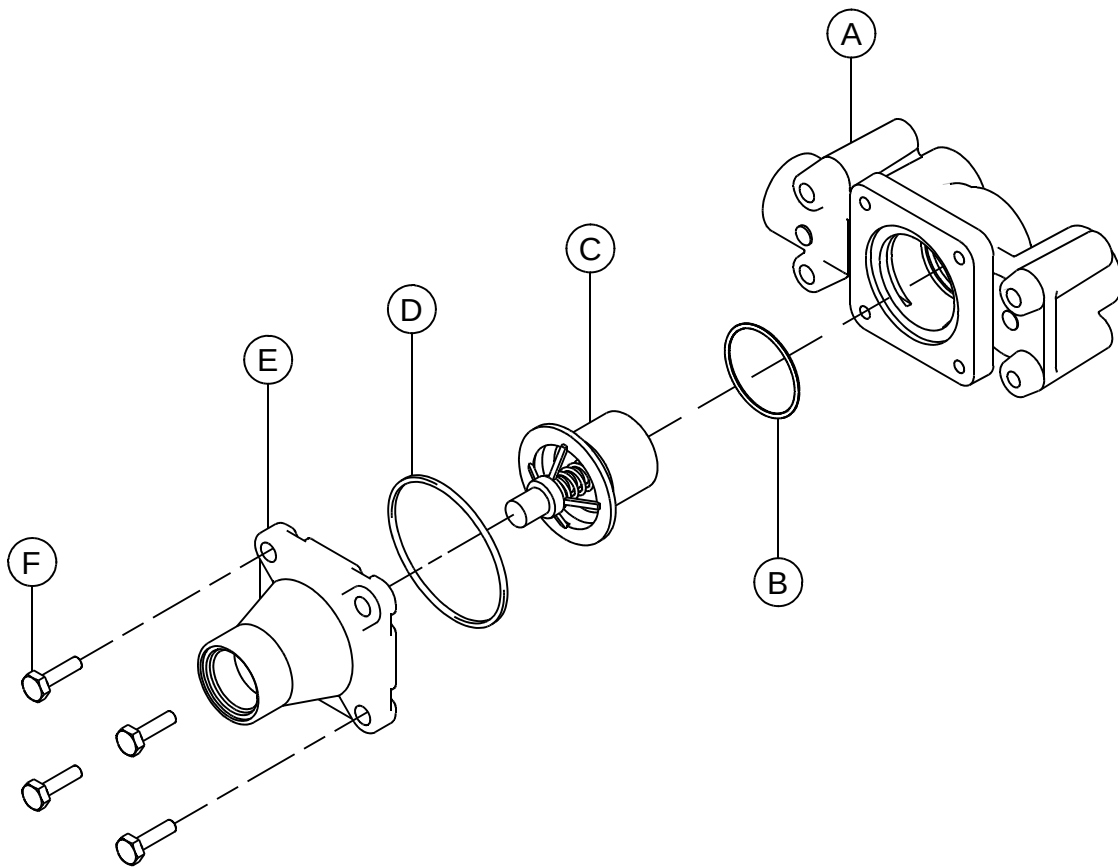
➡ **DRAWBAR END**



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96702816	Screw, Hex 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	
M	23145360	Support, Wire	1	
N	96715057	Screw, Hex Socket Hd Cap M12-1.75 X 25	2	

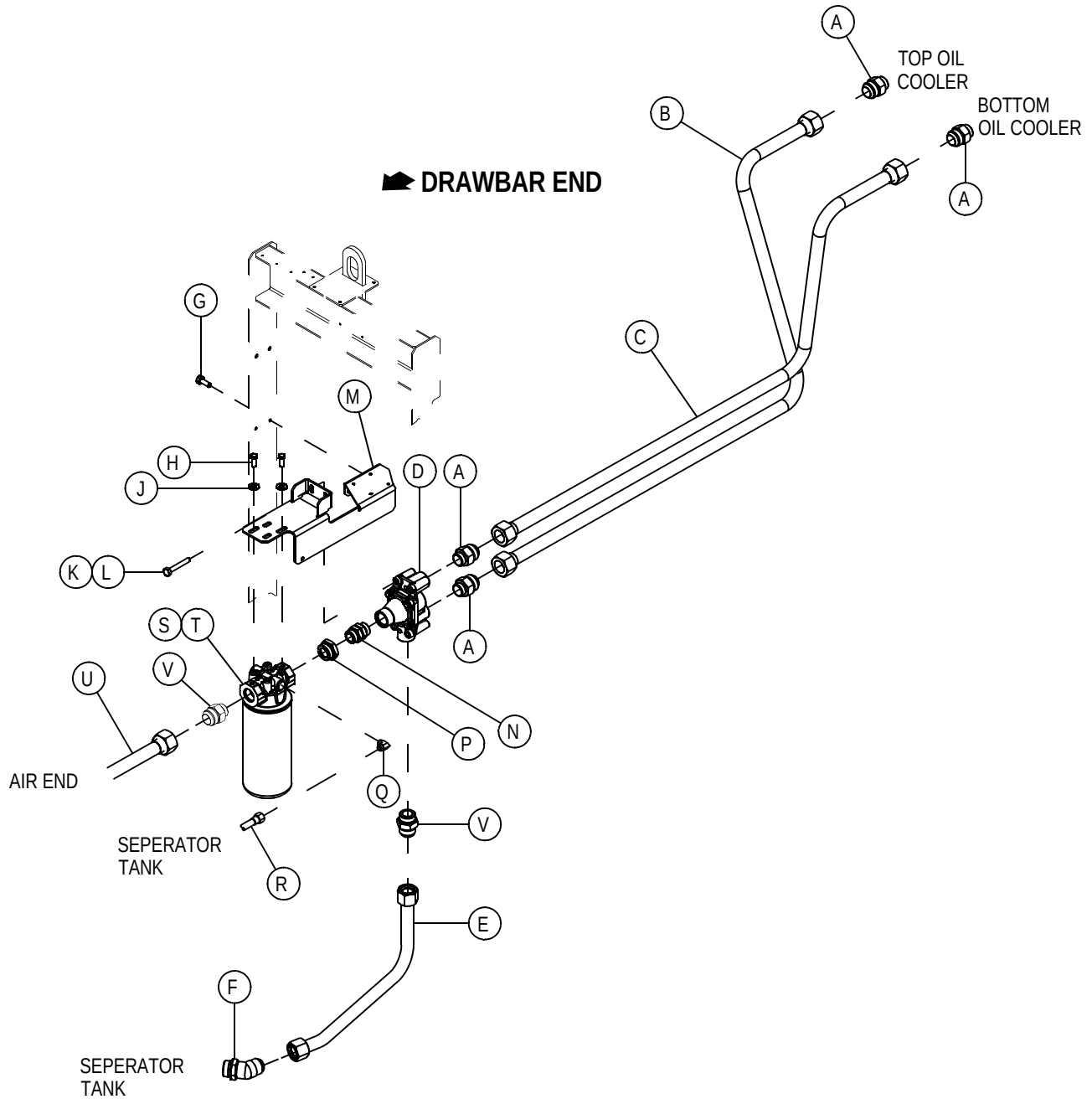
Oil Temperature Bypass Valve



23209273_02/08_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	

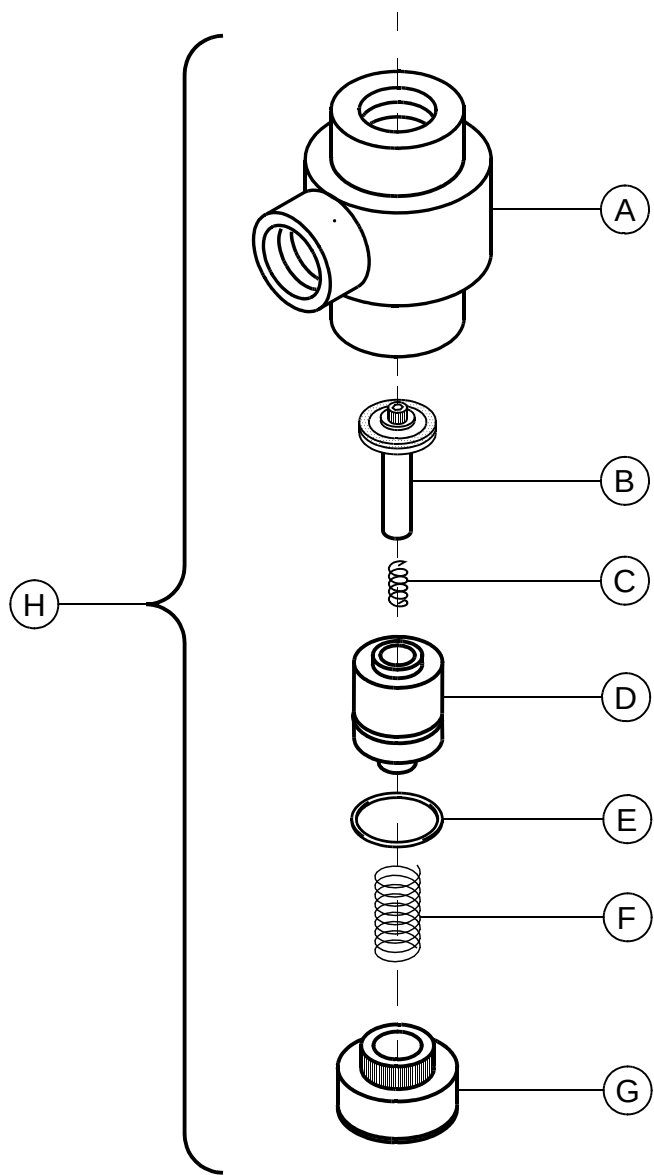
OTBV and Oil Filter Mounting



23209273_04/08_B

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95315289	Connector, 1.31"-12 X 1.62"-12	4	
B	23013022	Tube, Oil Cooler	1	
C	23013030	Tube, Oil Cooler	1	
D	23137953	OTBV Assembly, 1-5/16" SAE	1	
E	35227909	Hose, -16 X 25"	1	
F	95992632	Elbow, 45° X 1.31"-21 SAE	1	
G	35279025	Screw, Tapping M08-1.25 X 20	2	
H	35252493	Screw, Locking 3/8"-16 X 3/4"	2	
J	95935037	Washer, Flat	2	
K	36881886	Nut, Hex Flange M08-1.25	2	
L	35288422	Screw, Hex M08-1.25 X 80	2	
M	22915276	Support, Oil Filter	1	
N	95954921	Union, Straight 1.3"-12 SAE	1	
P	95954913	Reducer, 1.62"-12 SAE X 1.3"1-12 Female SAE	1	
Q	95365094	Elbow, 90° 9/16"-18 X -4 JIC	1	
R	35282920	Hose, -4JIC X 30"	1	
S	36897437	Head, Oil Filter	1	
T	36897346	Element, Oil Filter	1	
U	35231455	Hose Assembly, -16 JIC X 22.25"	1	
V	95955993	Connector, 1.31"-12 X 1.31"-12	2	

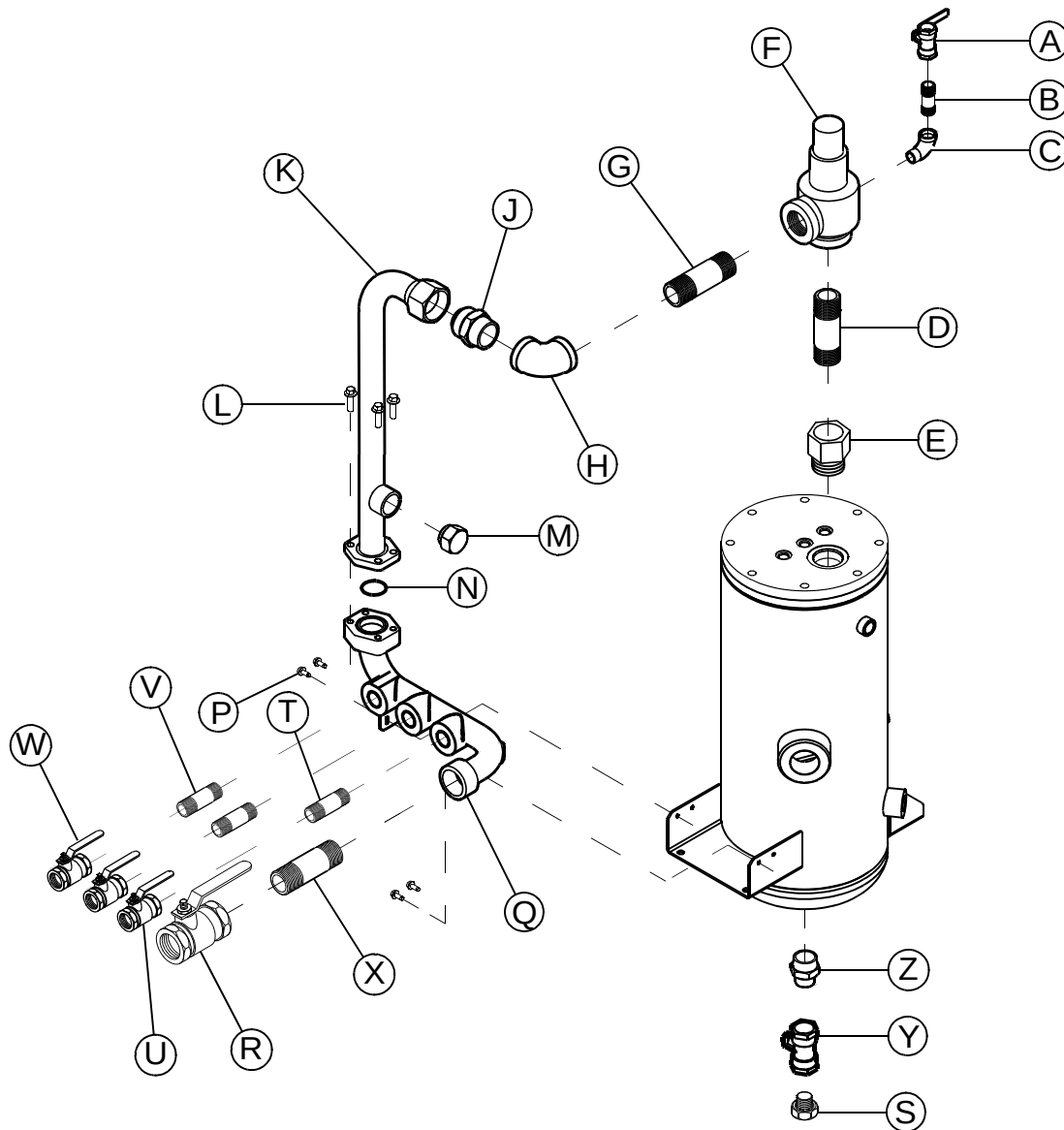
Minimum PressureValve



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22218424	Body, Minimum PressureValve	1	
B	35367317	CV Assembly	1	
C	22218457	Spring	1	
D	35367325	Piston	1	
E	35367374	O-Ring	1	
F	35367366	Spring	1	
G	22218432	Cap	1	
H	22217848	Minimum PressureValve Assembly	1	
~	22218622	Kit, Service Repair	AR	

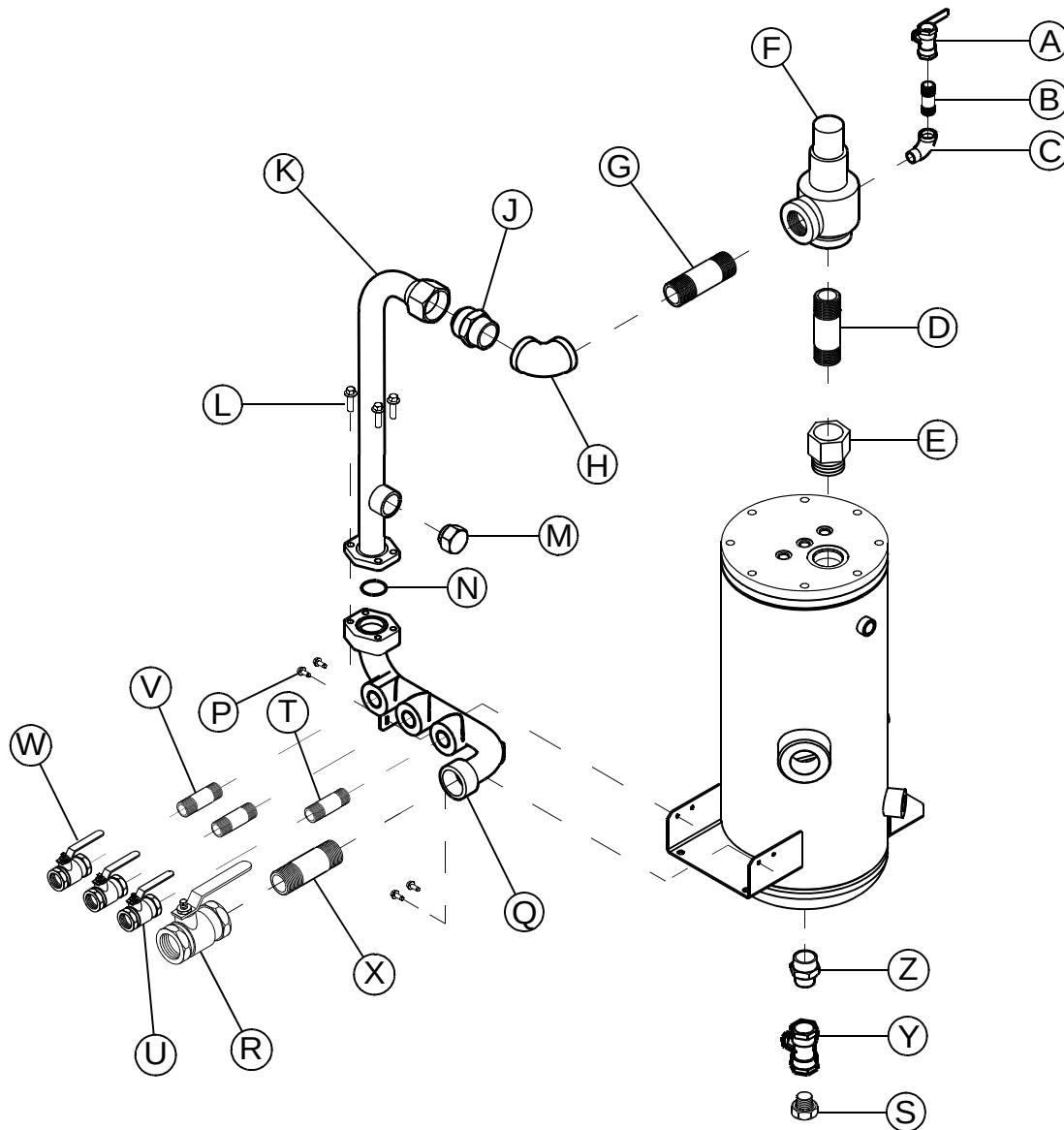
HA Service Air no Aftercooler



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35581792	Valve, Ball 1/2" NPT	1	Continued...
B	95934279	Nipple, Close 1/2" NPT X 1.12"	1	
C	95928164	Elbow, 90° Street 1/2" NPT	1	
D	95097291	Nipple, Pipe 2.0" X 2.50"	2	
E	95944641	Adapter, 2.5"-12 X 2.0" NPTF	1	
F	22217848	Valve, Minimum Pressure	1	
G	95285615	Nipple, Pipe 2.0" X 5.5"	1	
H	95916281	Elbow, 2.0" NPT	1	
J	35335124	Connector, Male -32 JIC X 2.0" NPT	1	
K	22055719	Tube, Service	1	
L	36877793	Screw, Hex Flange M12-1.75 X 40	4	
M	95941639	Plug, Square Head 1.5" NPT	1	

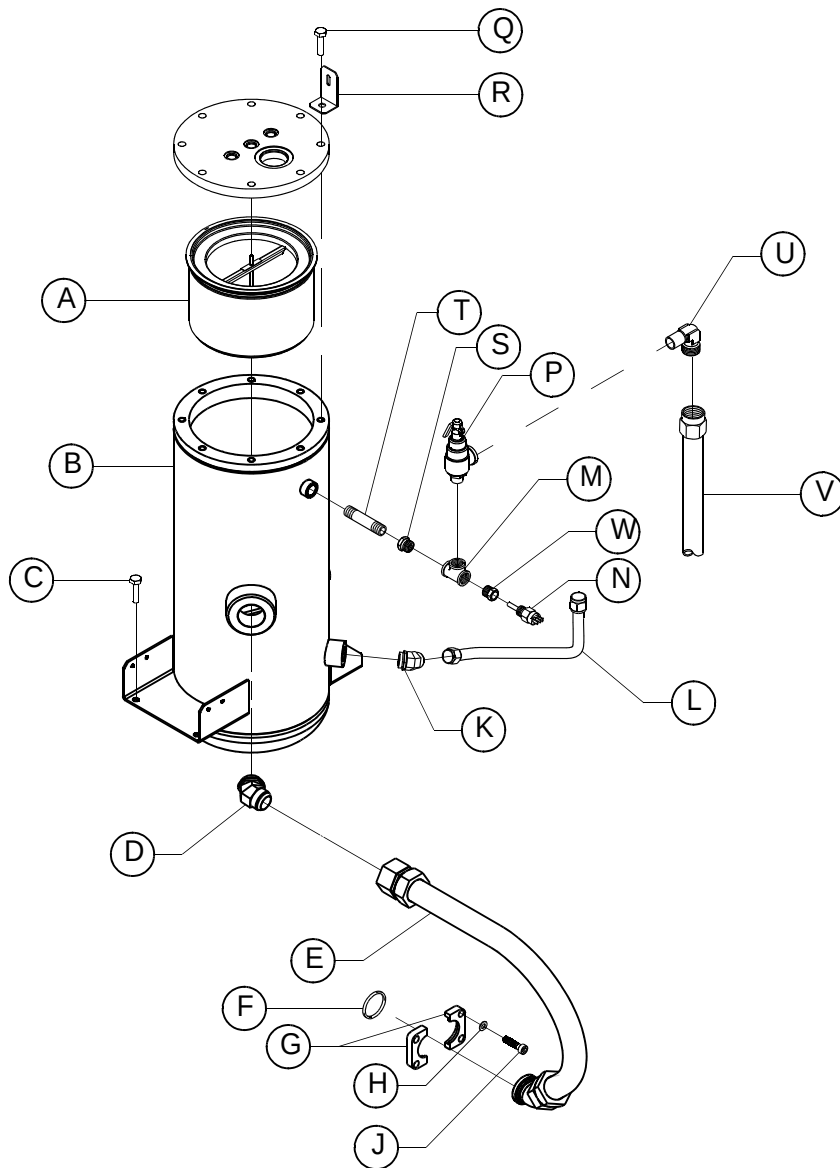
HA Service Air no Aftercooler



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	95357976	O-Ring	1	Continued
P	35279025	Screw, Tapping M08-1.25 X 20	4	
Q	22055735	Tube, Bottom Service	1	
R	92530047	Valve, 2" Ball	1	
S	22481832	Plug, Hex 3/4" BSPT	1	
T	92076454	Nipple, 1-1/4" BSPT	1	
U	92111228	Valve, 1.25" Ball	1	
V	92076447	Nipple, Adapter 3/4"	2	
W	92294461	Valve, 3/4" Ball	2	
X	22208334	Adapter, Pipe	1	
Y	22477301	Valve, 3/4" Ball	1	
Z	22446744	Adapter, 1.06"-12	1	

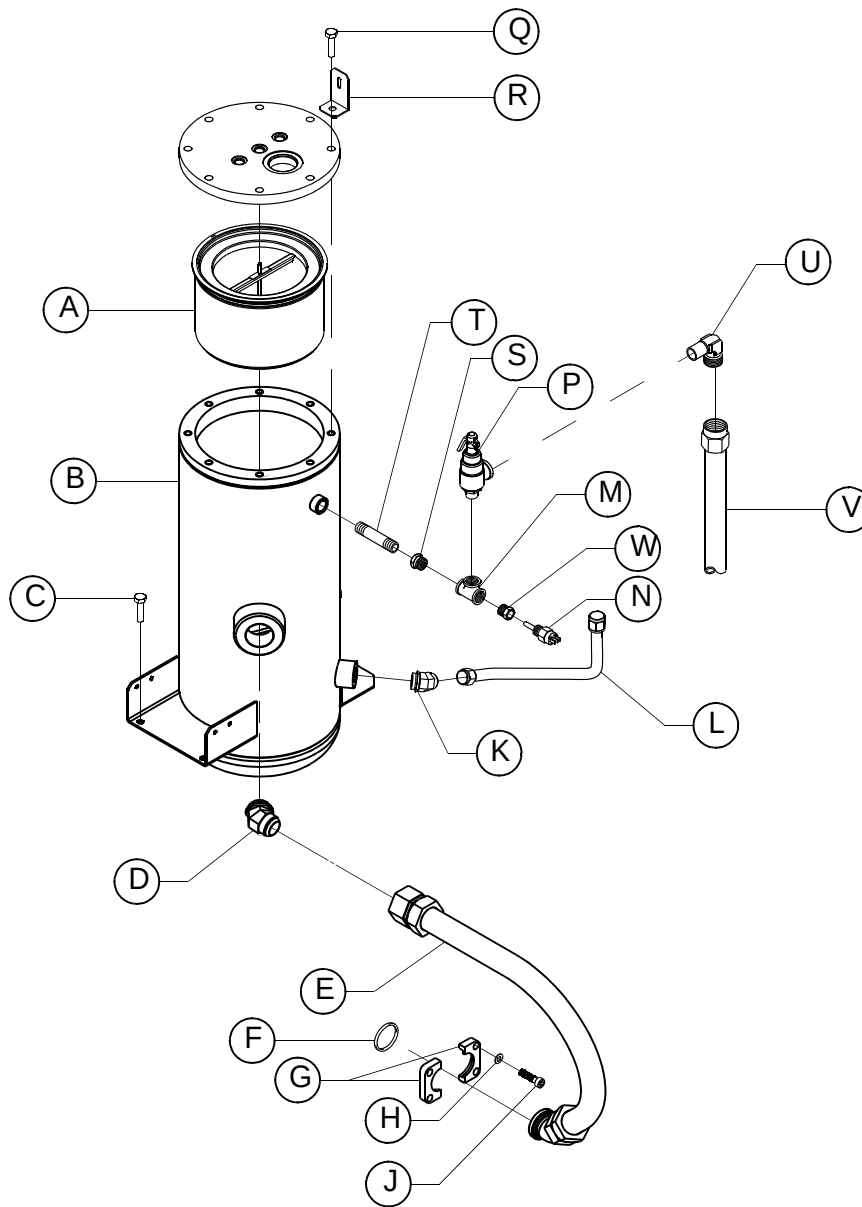
Separator Tank Piping



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22111975	Element, Separator	1	Continued...
B	22331912	Tank, Separator	1	
C	36888055	Screw, Hex Flange M12-1.75 X 30	4	
D	95944732	Elbow, 45° X 2.5"-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" SAE	1	
L	35227909	Hose, -16 X 25"	1	
M	95954228	Tee, 1.0" NPT	1	

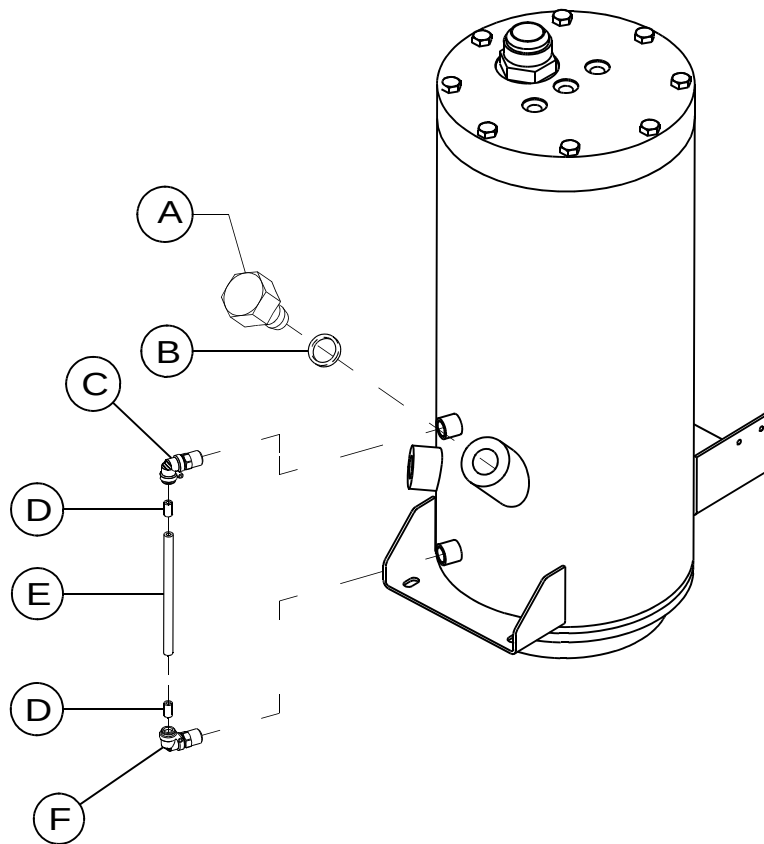
Separator Tank Piping



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
N	36898922	Sensor, Temperature	1	Continued
P	22299754	Valve, Safety 12.06 BAR	1	
	22299747	Valve, Safety 13.8 BAR	1	
	22299762	Valve, Safety 17.2 BAR	1	
Q	96757557	Screw, Hex Flange M16-2.0 X 60	8	
R	36785012	Bracket, Separator Tank Lift	2	
S	95944617	Bushing, Reducing 1.0" X 3/4" NPT	1	
T	95928040	Nipple, 3/4" NPT CloseD	1	
U	95286548	Elbow, 1.25" NPT X -16 JIC	1	
V	22060073	Tube, Safety Valve	1	
W	95932802	Bushing, Reducing 1.0" X 3/8" NPT	1	

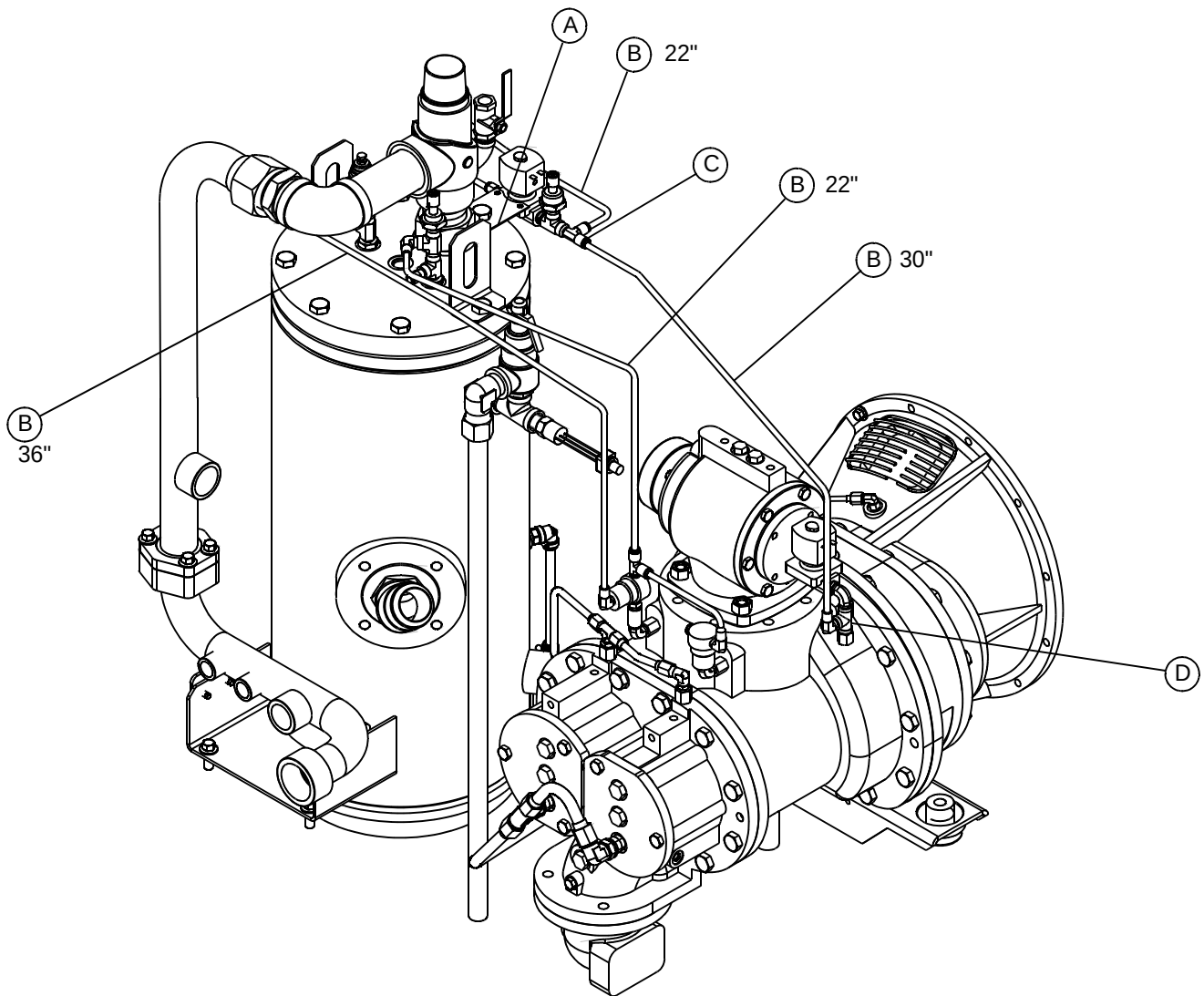
Separator Tank Oil Fill



23209273_02/08_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	22685523	Tube, Sight	1	
F	22685499	Elbow, Bottom Compression	1	

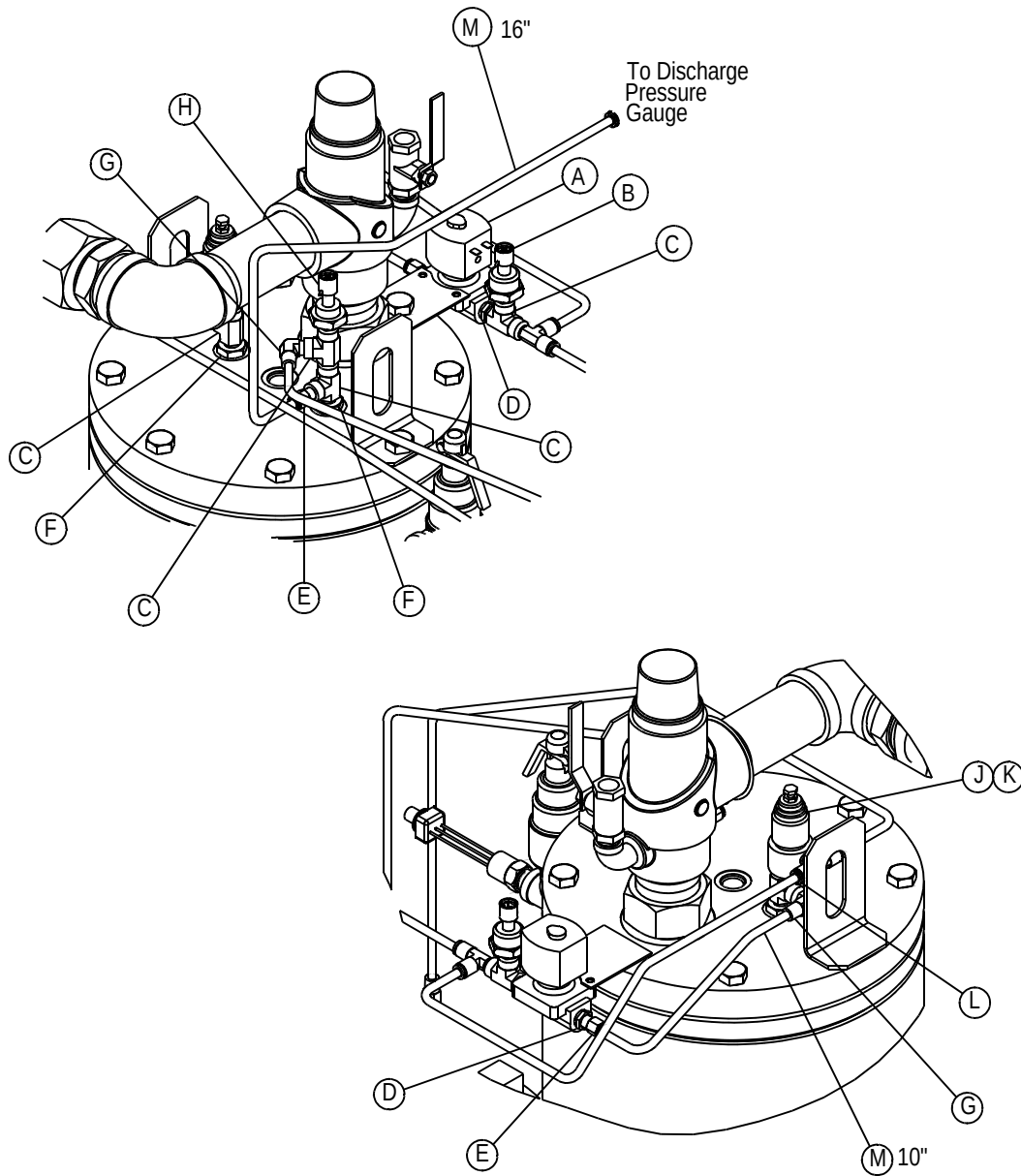
Air Piping



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36892669	Bracket, Solenoid	1	See Lengths Above
B	35356484	Tubing, 3/8" Synflex	~	
C	35369503	Tee, Street 1/4" NPT X 3/8" Tube	1	
D	95954194	Tee, 1/4" NPT Female	1	

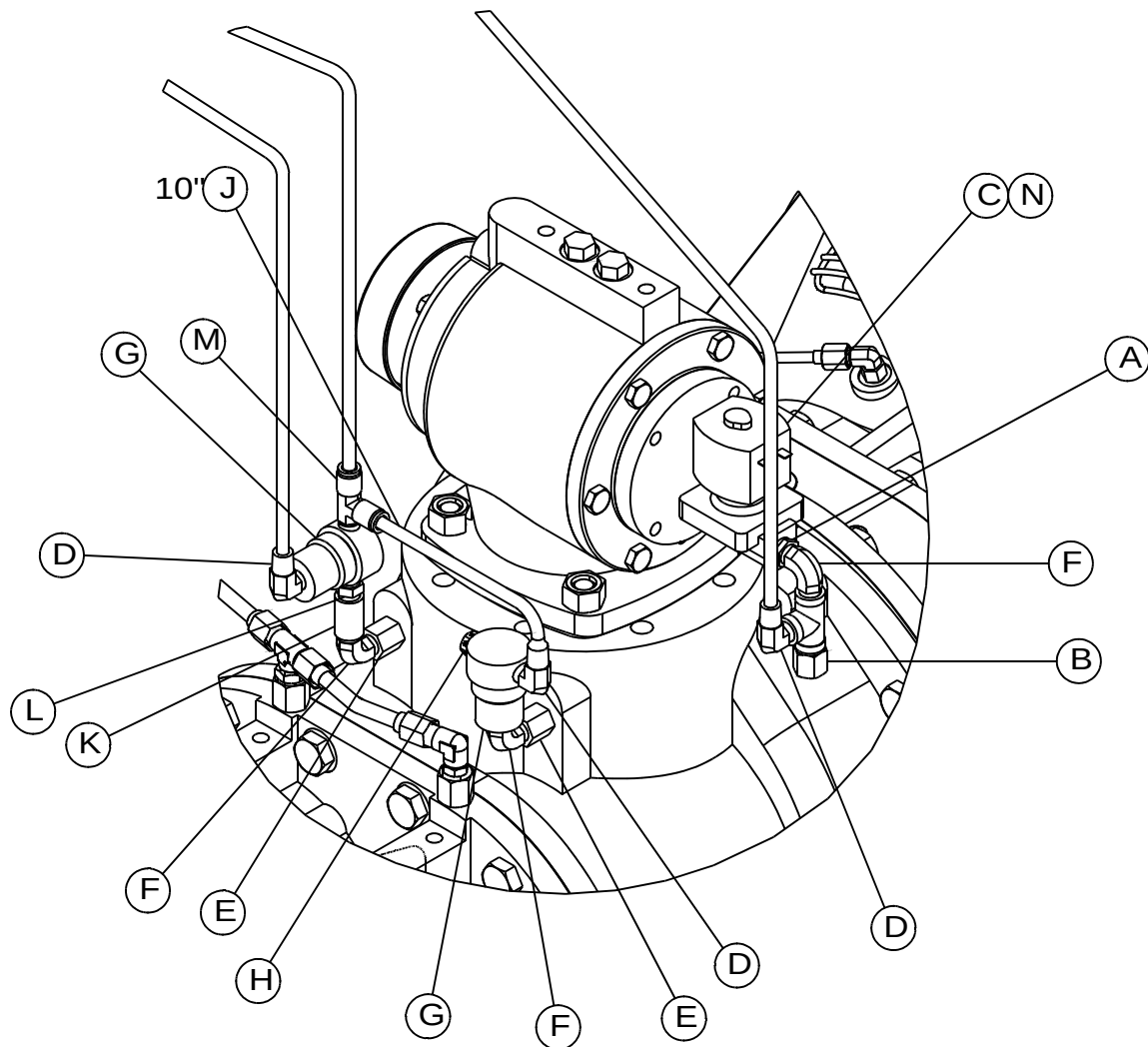
Air Piping Separator Tank



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36840841	Valve, Solenoid 24V	1	See Lengths Above
B	36920825	Transducer, 0-100 PSI	1	
C	35114545	Tee, Street 1/4" NPT	4	
D	95940748	Bushing, Reducing 3/8" NPT X 1/4" NPT	2	
E	35369347	Connector, 1/4" NPT X 3/8" Tube	2	
F	95773032	Adapter, Female 7/8"-14 X 1/4" NPT	2	
G	35369354	Elbow, 1/4" NPT	2	
H	54765946	Transducer, 0-500 PSI	1	
J	36896892	Regulator, Pressure 200 PSI	1	
K	95944575	Nipple, 1/4" NPT X 7/8"	1	
L	35373976	Tee, Male Run 1/4" NPT X 3/8" Tube	1	
M	35356484	Tubing, 3/8" Synflex	~	

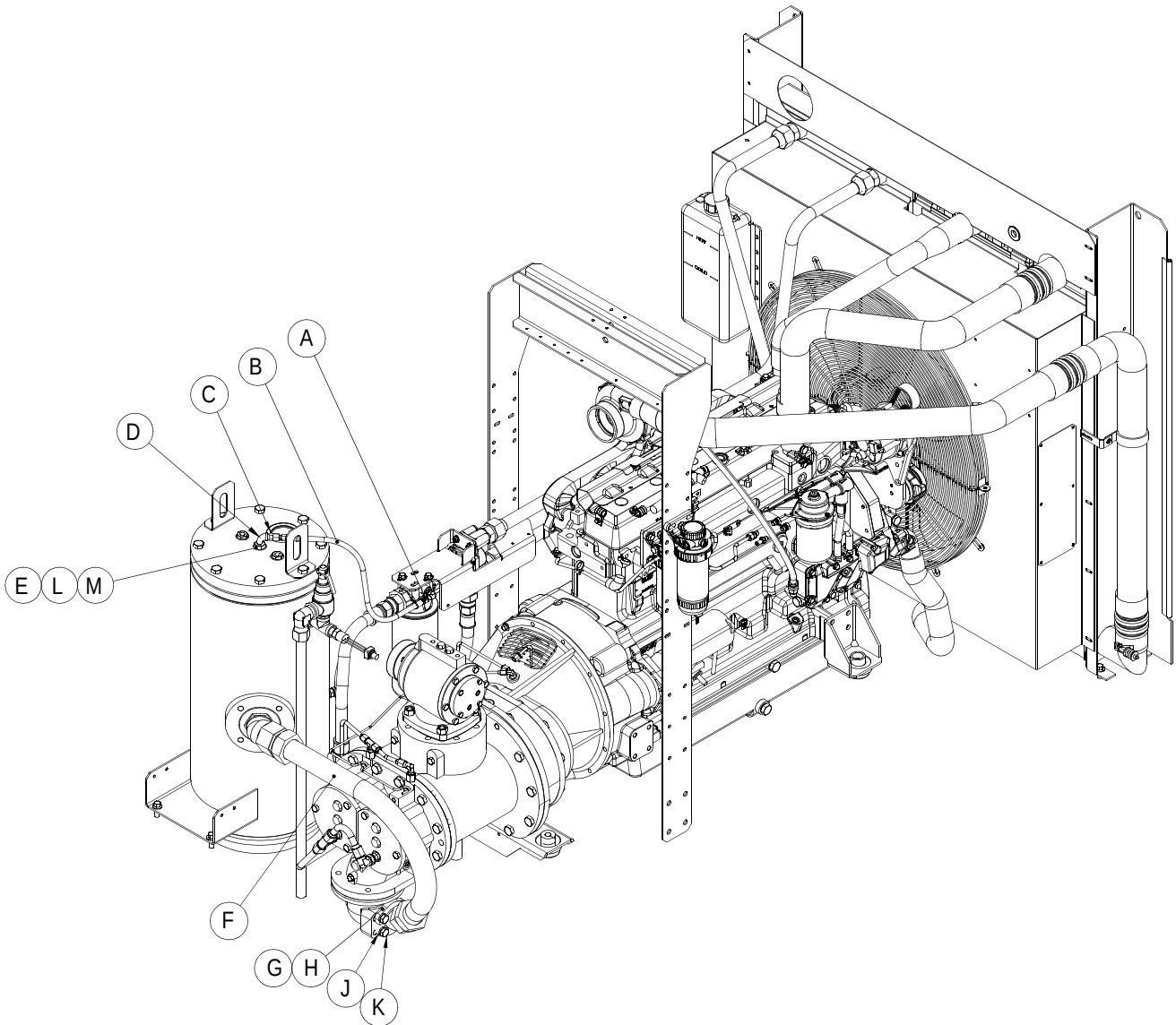
Air Piping Air End



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95940748	Bushing, Reducing 3/8" NPT X 1/4" NPT	1	See Lengths Above
B	35322346	Orifice, .156"	1	
C	95092318	Nipple, 3/8" NPT X 1"	1	
D	35369354	Elbow, 1/4" NPT X 3/8" Tube	3	
E	35302314	Adapter, 9/16"-18 X 1/4" NPT	2	
F	95364469	Elbow, 1/4" NPT	3	
G	35322379	Valve, Blowdown	2	
	35379064	Kit, Diaphragm Repair	AR	
H	36766756	Muffler, Orifice .140"	1	
J	35356484	Tubing, 3/8" Synflex	~	
K	95952990	Coupling, 1/4" NPT X 1.12"	1	
L	35248145	Valve, 1/4" Check	1	
M	35373976	Tee, Street 1/4" NPT X 3/8" Tube	1	
N	36840841	Valve, Solenoid 24V	1	

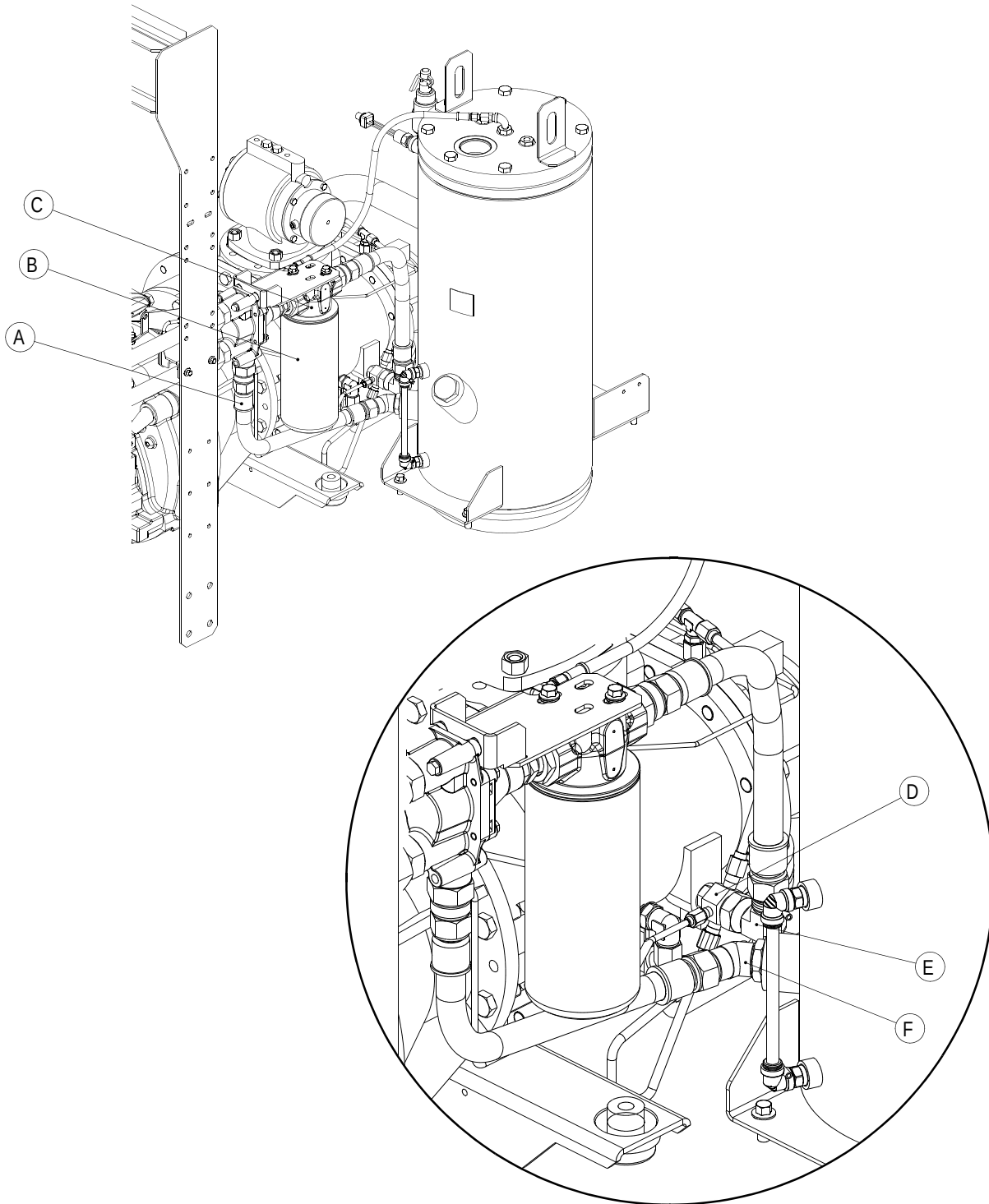
Oil Piping Street Side



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95365094	Elbow, 90° 9/16"-18 X -4 JIC	1	
B	35282920	Hose, -4JIC X 30"	1	
C	36840411	Valve, Check	1	
D	95944666	Elbow, Street 90° 1/4" NPT	1	
E	54721337	Adapter, Oil Scavenge		
F	54688015	Hose, Discharge	1	
G	95357976	O-Ring	1	
H	35292143	Flange, Half	2	
J	95934683	Washer, Lock	4	
K	96719810	Screw, Hex M14-2.0 X 40	4	
L	92877620	O-Ring	1	
M	95973228	O-Ring	1	

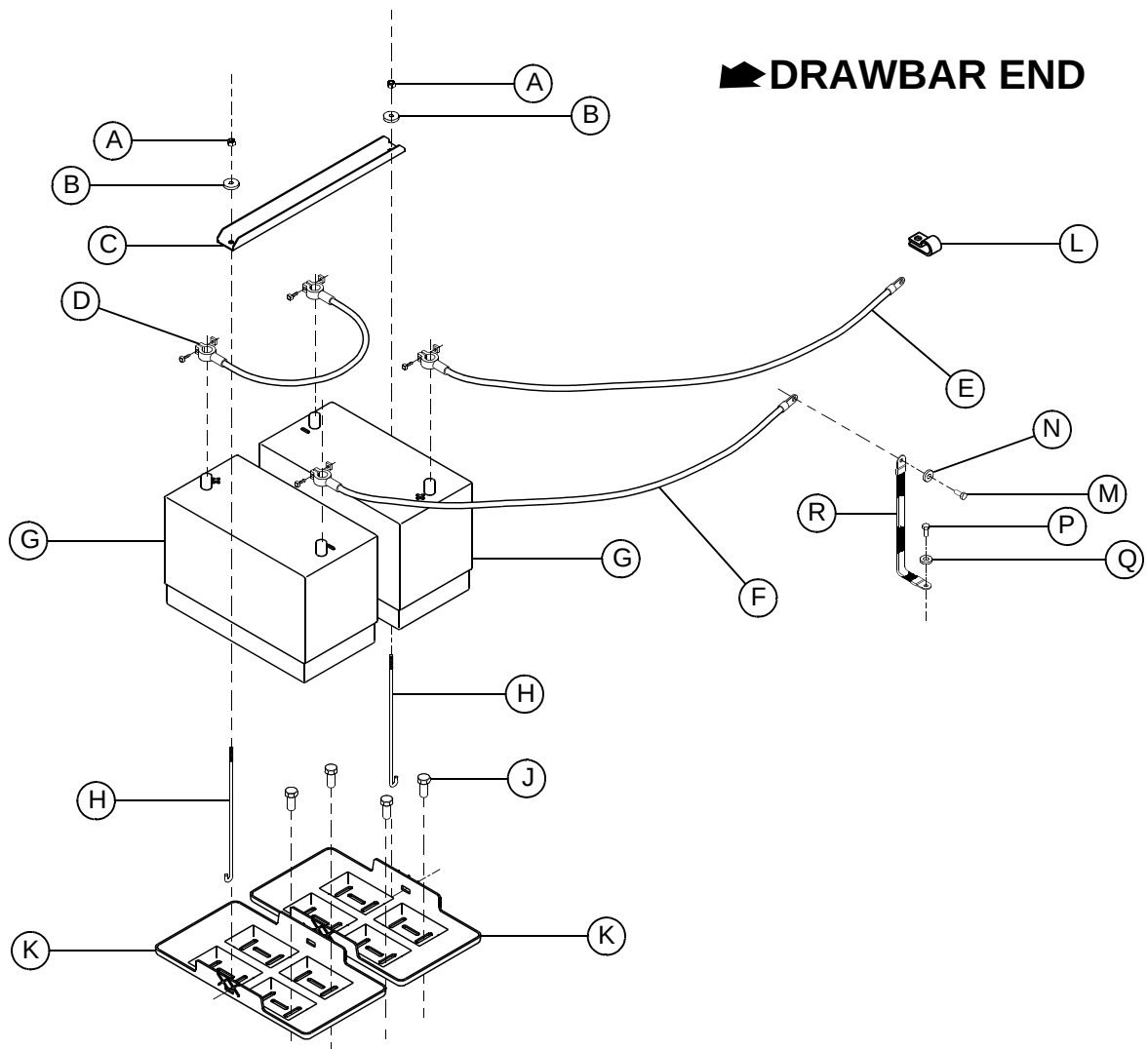
Oil Piping Curb Side



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35227909	Hose, -16 X 25"	1	
B	36897346	Element, Oil Filter	1	
C	36897437	Head, Oil Filter	1	
D	35292051	Elbow, 90° Swivel Nut -16	1	
E	36845154	Manifold, Oil	1	
F	95992632	Elbow, 45° X 1.31"-21 SAE	1	

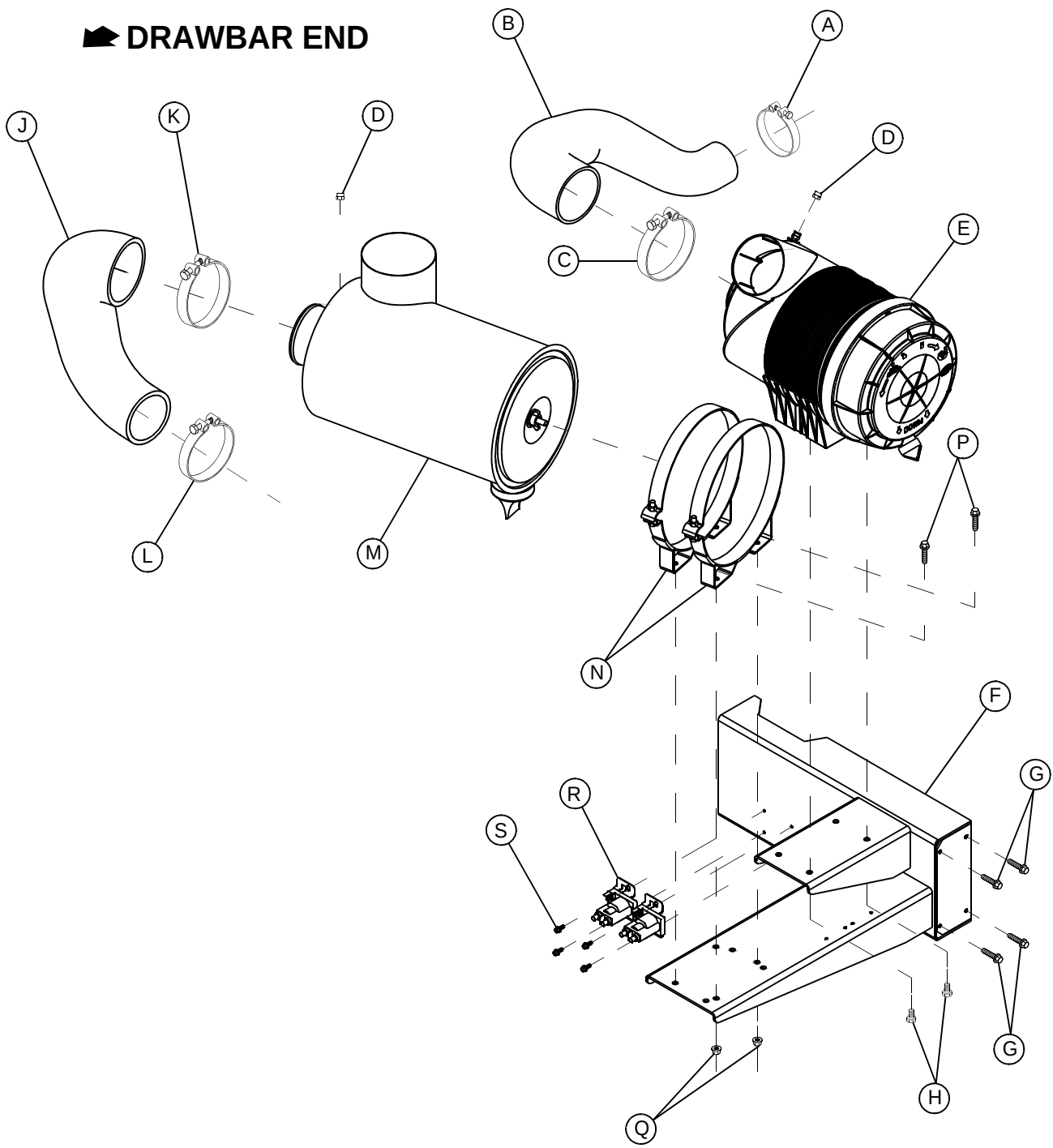
Battery Mount



23209273_02/08_A

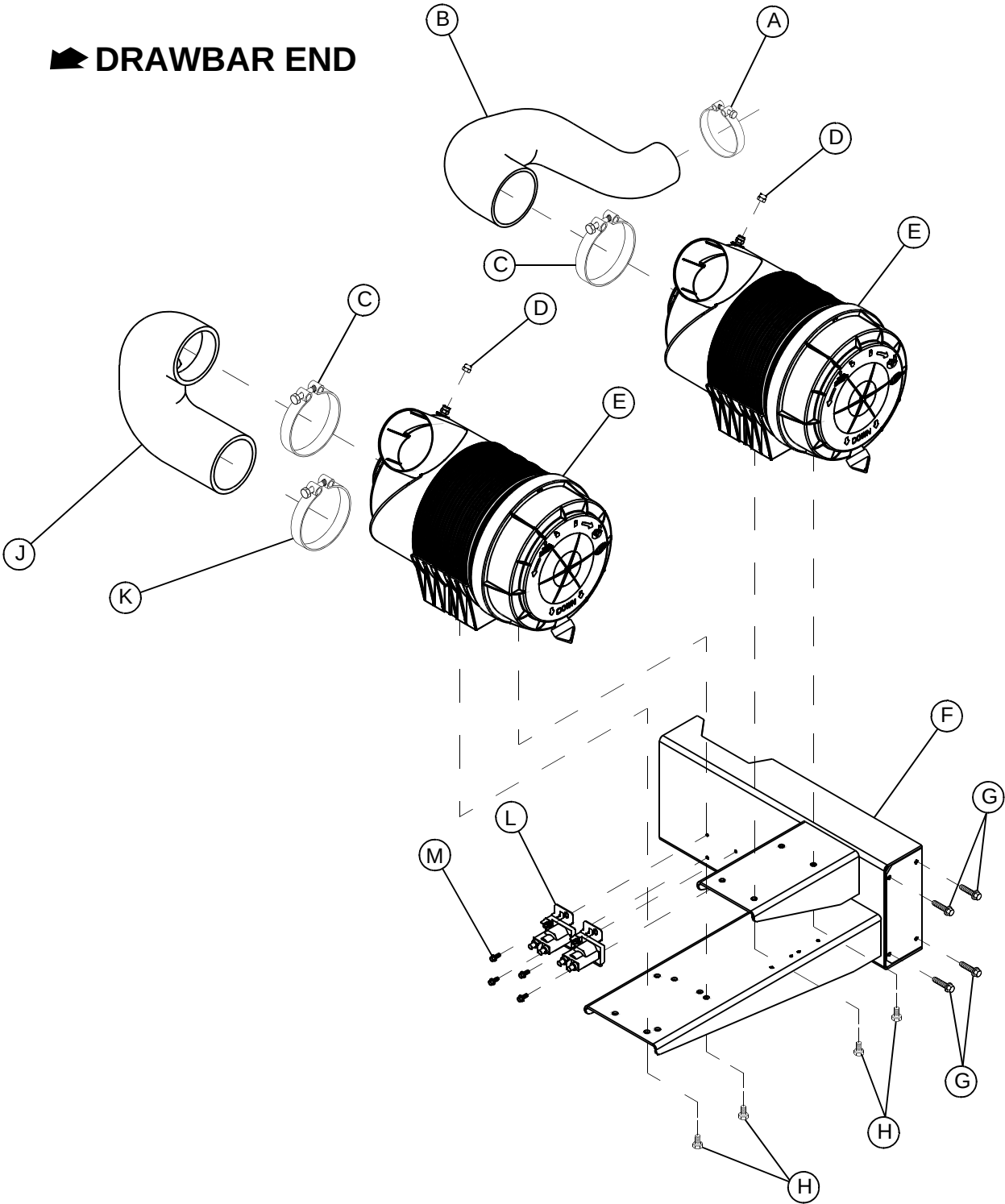
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95923298	Nut, Lock 1/4-20	2	
B	36853265	Washer, Plastic	2	
C	22128490	Hold Down, Battery	1	
D	35258789	Cable, Jumper	1	
E	35583582	Cable, Positive Battery	1	
F	35610856	Cable, Negative Battery	1	
G	22413876	Battery, 12V	2	
H	36860005	J-Bolt, 1/4-20	2	
J	92368687	Screw, Tapping M06-1.9 X 12	8	
K	36878064	Tray, Battery	2	
L	35225093	Clamp, 1/2" Support	3	
M	96701495	Screw, Hex M12-1.75 X 25	1	
N	95935003	Washer, Flat	1	
P	35134550	Screw, Tapping 3/8-16 X 1"	1	
Q	95934998	Washer, Flat	1	
R	36783488	Strap, Ground	1	

Air Intake Filter Mount (P600 & 7/170)



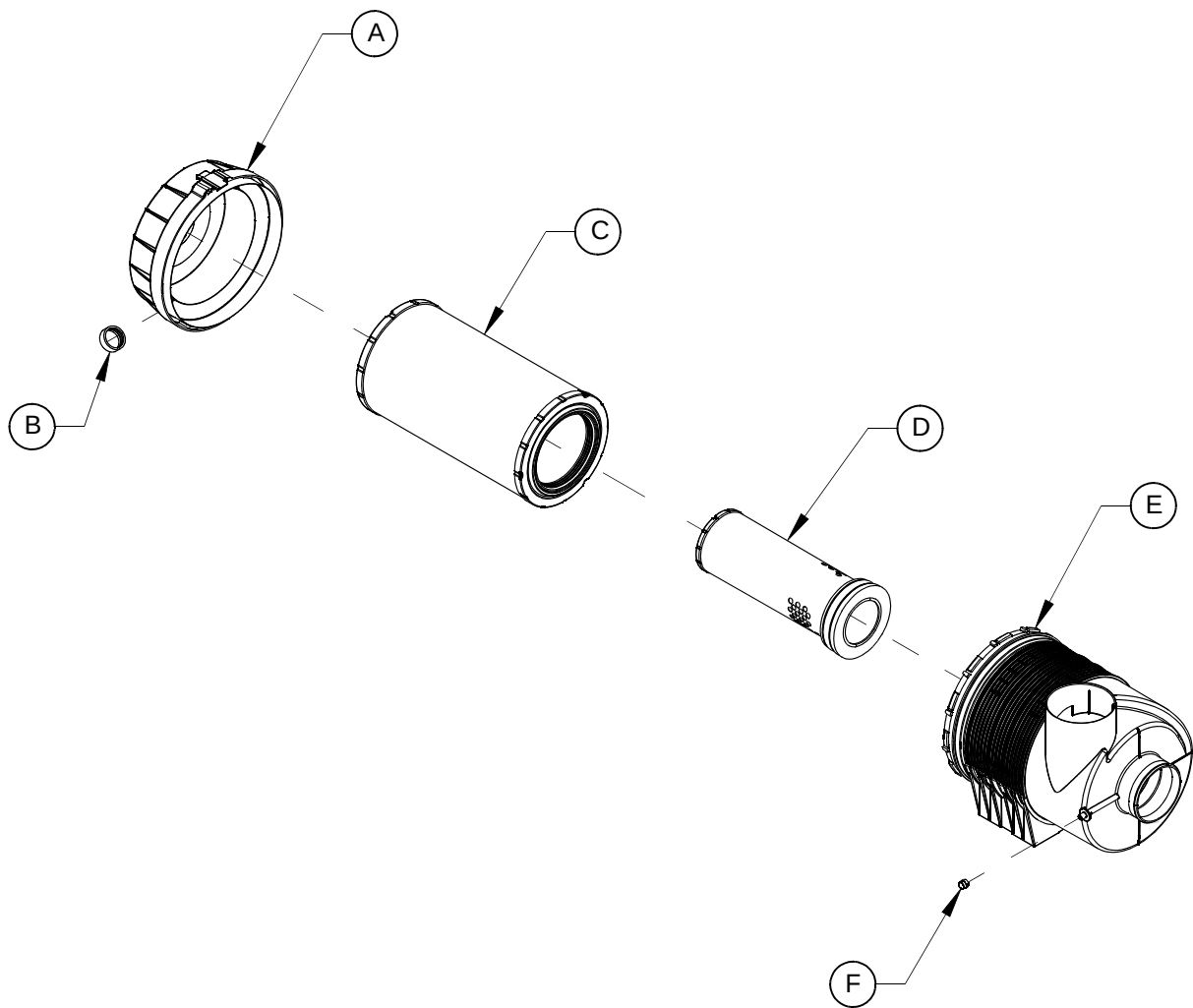
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35374073	Clamp, T-Bolt 3.62"	1	
B	22891675	Hose, Engine Air Intake	1	
C	36897668	Clamp, T-Bolt 4.75"	1	
D	35314939	Indicator, Restriction	2	
E	54661889	Air Cleaner Assembly	1	
F	22892608	Support, Air Cleaner	1	
G	35279025	Screw, Tapping M08-1.25 X 20	8	
H	96702816	Screw, Hex M08-1.25 X 16	4	
J	22893622	Hose, A/E Air Intake	1	
K	35116615	Clamp, Band 6.0"	1	
L	35365477	Clamp, T-Bolt 4.75"	1	
M	22119192	Air Cleaner Assembly	1	
N	35274711	Band, Air Cleaner	2	
P	96702279	Screw, Hex M10-1.50 X 20	4	
Q	36879195	Nut, Hex Flange M10-1.5	4	
R	36853521	Relay	2	
S	36797652	Screw, Tapping M06-1.0 X 12	4	

Air Intake Filter Mount (HP450, 10/125, VHP400 & 14/115)



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35374073	Clamp, T-Bolt 3.62"	1	
B	22891675	Hose, Engine Air Intake	1	
C	36897668	Clamp, T-Bolt 4.75"	1	
D	35314939	Indicator, Restriction	2	
E	54661889	Air Cleaner Assembly	1	
F	22892608	Support, Air Cleaner	1	
G	35279025	Screw, Tapping M08-1.25 X 20	8	
H	96702816	Screw, Hex M08-1.25 X 16	8	
J	22939482	Hose, A/E Air Intake	1	
K	35161025	Clamp, T-Bolt 5.50"	1	
L	36853521	Relay	2	
M	36797652	Screw, Tapping M06-1.0 X 12	4	

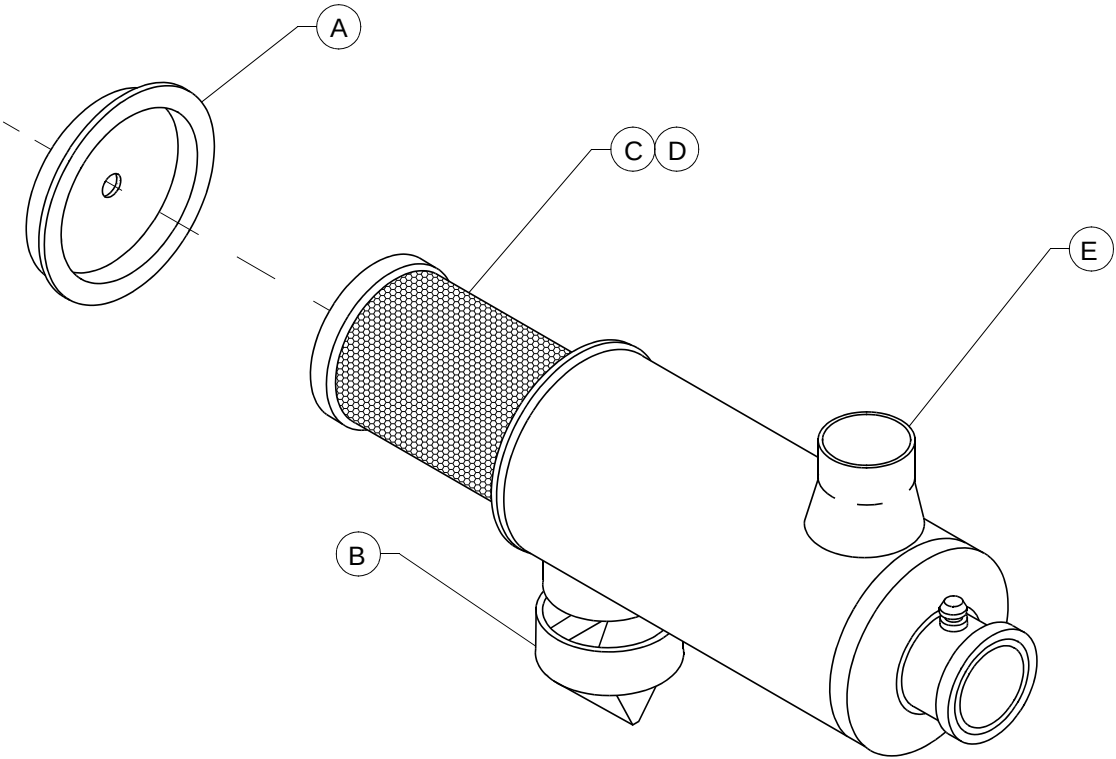
Air Cleaner



23209273_02/08_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	

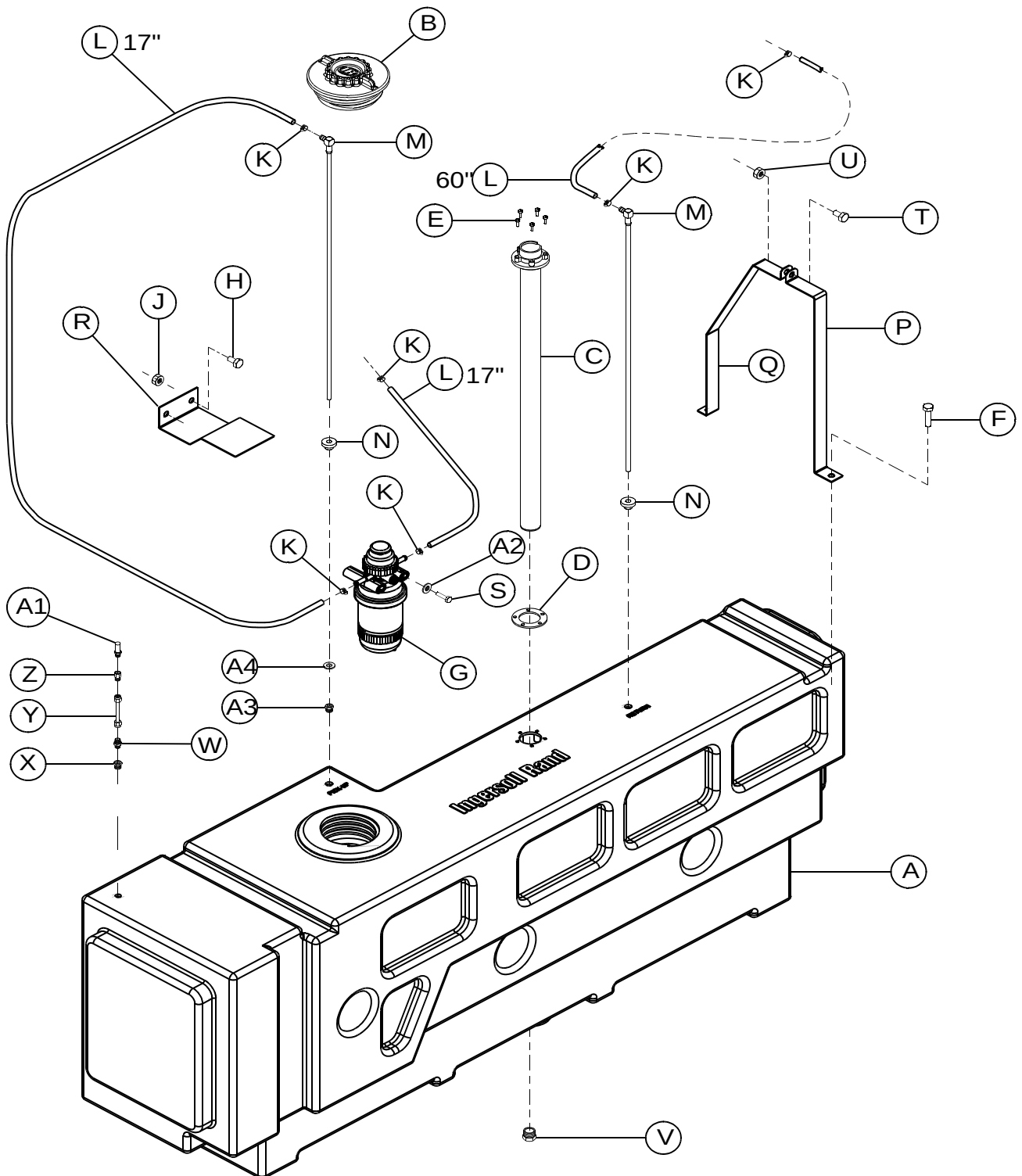
Air Cleaner P600 & 7/170 Air End



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22119184	Cover, Air Cleaner	1	
B	36867778	Valve, Dust ejector	1	
C	22119168	Element, Primary	1	
D	22119176	Element, Safety	1	
E	22119150	Body, Air Cleaner	1	

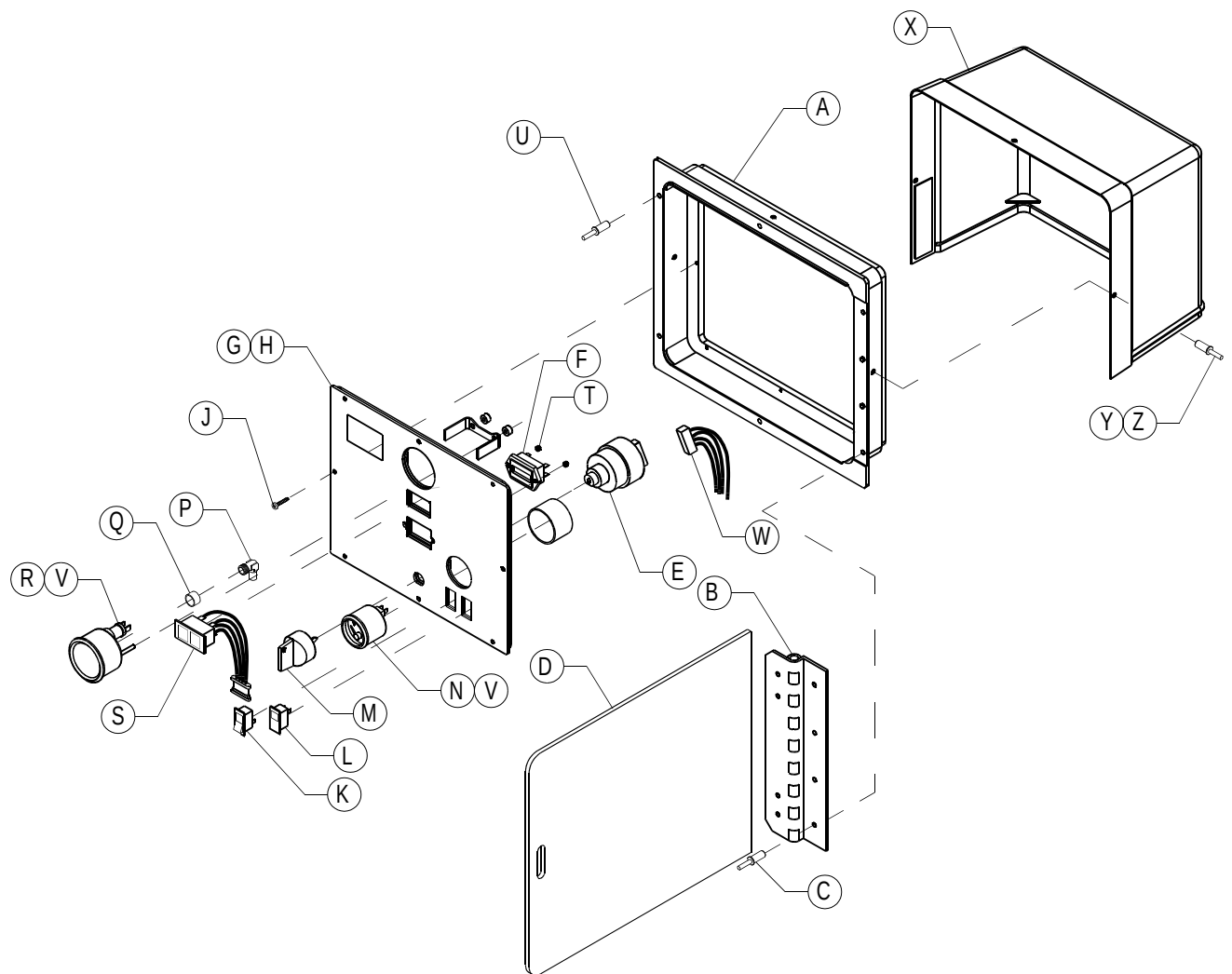
Fuel Tank



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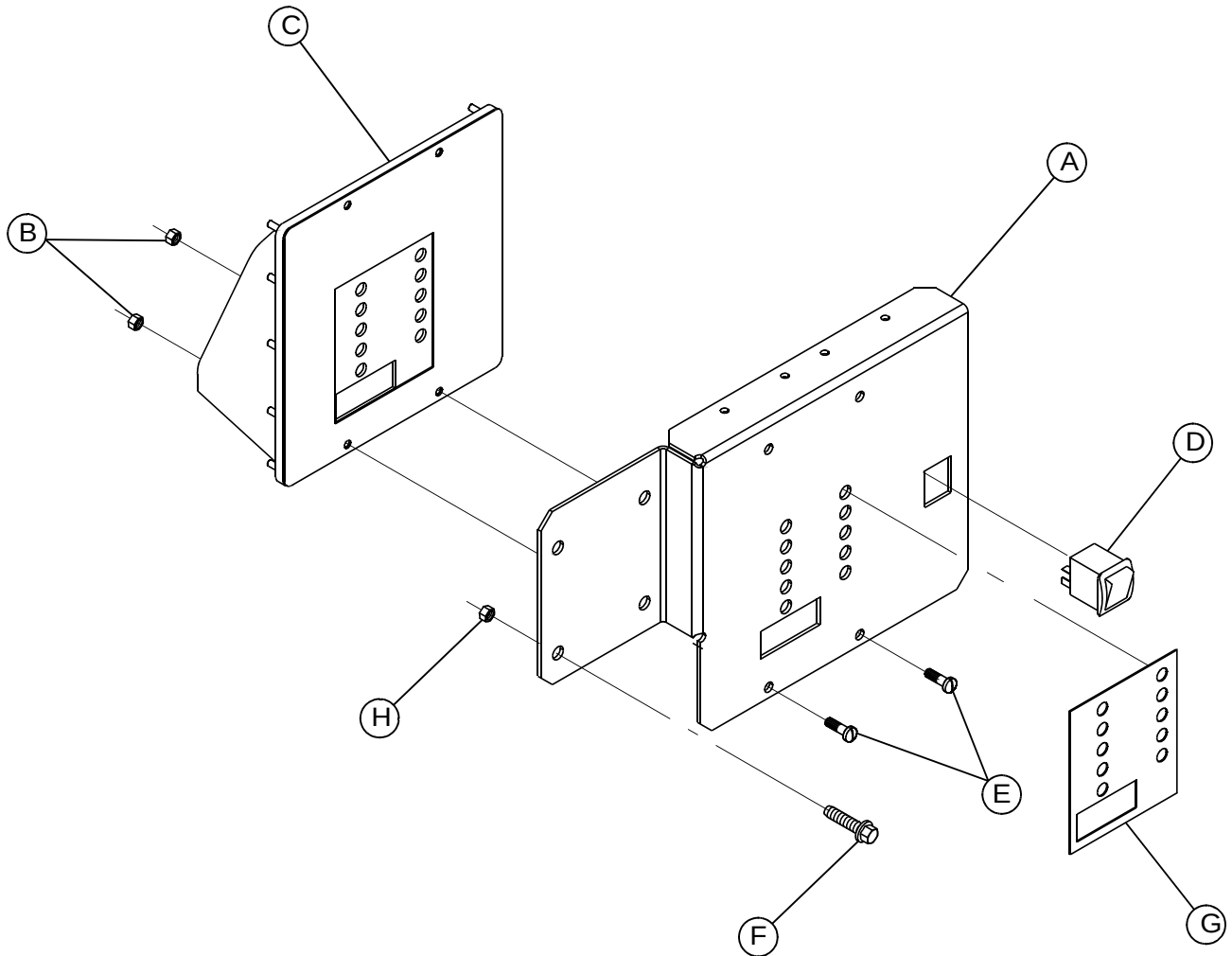
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54774260	Tank, Fuel	1	See Lengths Above Included w/ Item L Included w/ Item L
B	54660089	Cap, Fuel Tank	1	
C	54731427	Sender, Fuel Level	1	
D	35361849	Gasket, Fuel Sender	1	
E	95946532	Screw, Fillister Head #10-32 X 1/2"	5	
F	35279025	Screw, Tapping M08-1.25 X 20	2	
G	23230063	Filter Assembly, Primary Fuel	1	
H	36889608	Screw, Hex Flange M08-1.25 X 25	2	
J	36881886	Nut, Hex Flange M08-1.25	2	
K	35296342	Clamp, Worm Gear	6	
L	35363498	Hose, .5/16" Fuel	~	
M	54675863	Standpipe Assembly	2	
N	35384577	Bushing, Nitrile	2	
P	22221022	Strap, Fuel Tank	1	
Q	22221030	Strap, Fuel Tank	1	
R	22260038	Strap, Fuel Tank	1	
S	96726345	Screw, Hex M08-1.25 X 25	2	
T	96701917	Screw, Hex M10-1.5 X 30	1	
U	35273366	Nut, Hex Nyloc M10-1.50	1	
V	95280541	Plug, Hex Socket 1.06-12	1	
W	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	1	
X	95940748	Bushing, Reducing 3/8" NPT X 1/4" NPT	1	
Y	35356484	Tubing, 3/8" OD Synflex	~	
Z	35369339	Connector, Female 1/4" NPTF X 3/8" Tube	1	
A1	35322395	Silencer, Pneumatic 1/4" NPT	1	
A2	95935037	Washer, Flat	2	

Instrument Panel



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54749601	Frame, WW Instrument Panel	1	
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	
L	22050553	Light, Warning	1	
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	
W	22835680	Harness, Panel Wiring	1	
X	22058325	Cover, Rear Instrument Panel	1	
Y	95972188	Rivet, .19 Dia. Aluminum	3	
Z	95916151	Washer, Flat	3	

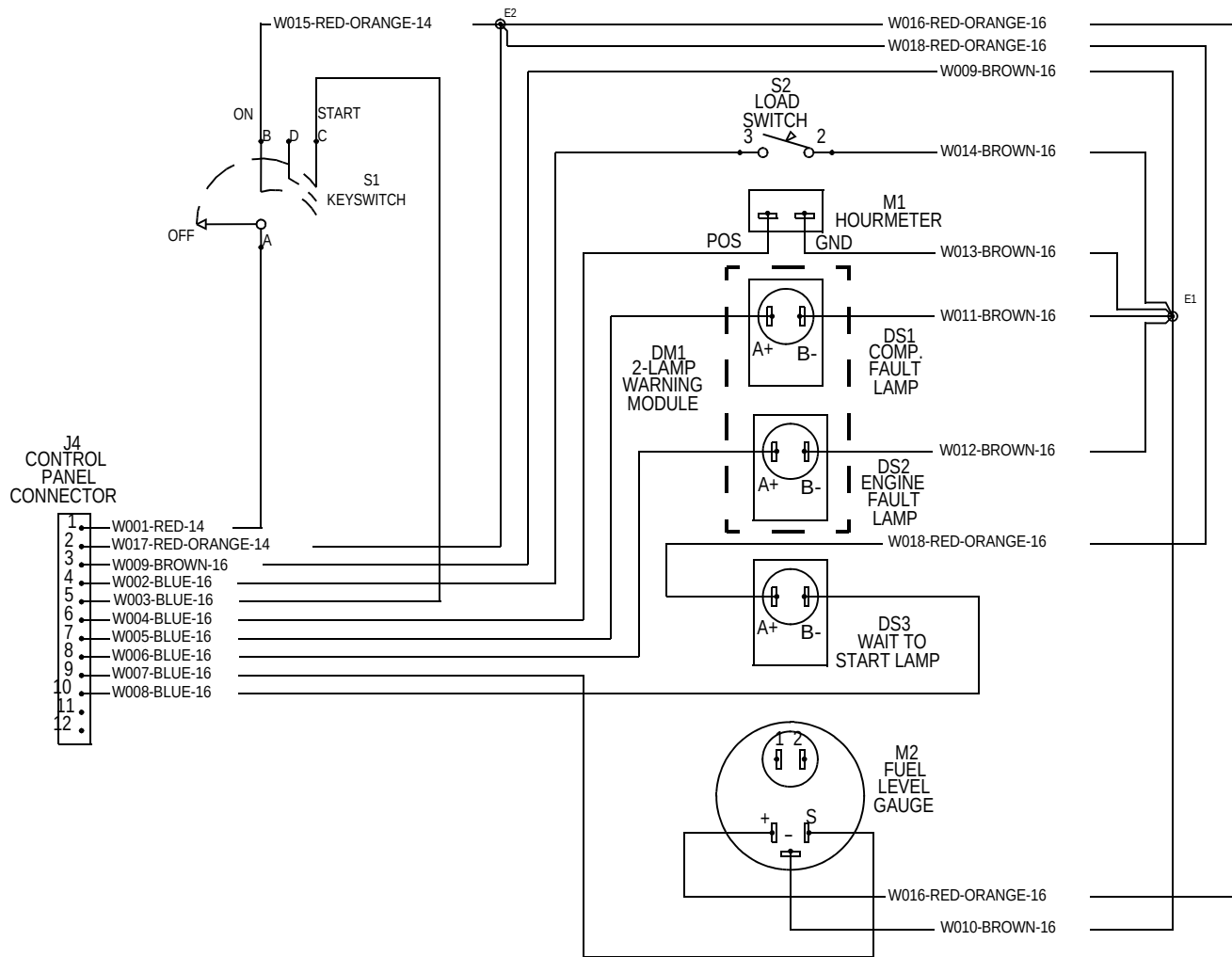
Wedge Controller



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22197776	Bracket, Wedge Mounting	1	
B	95928800	Nut, Hex Lock #10-32	4	
C	22173579	Wedge Module	1	
D	54475777	Switch, Rocker	1	
E	36842102	Screw, Hex #10-32 x 1"	4	
F	36889608	Screw, Hex M08-1.25 X 25	4	
G	22215354	Decal, Wedge	1	
H	36881886	Nut, Hex Flange M08-1.25	4	

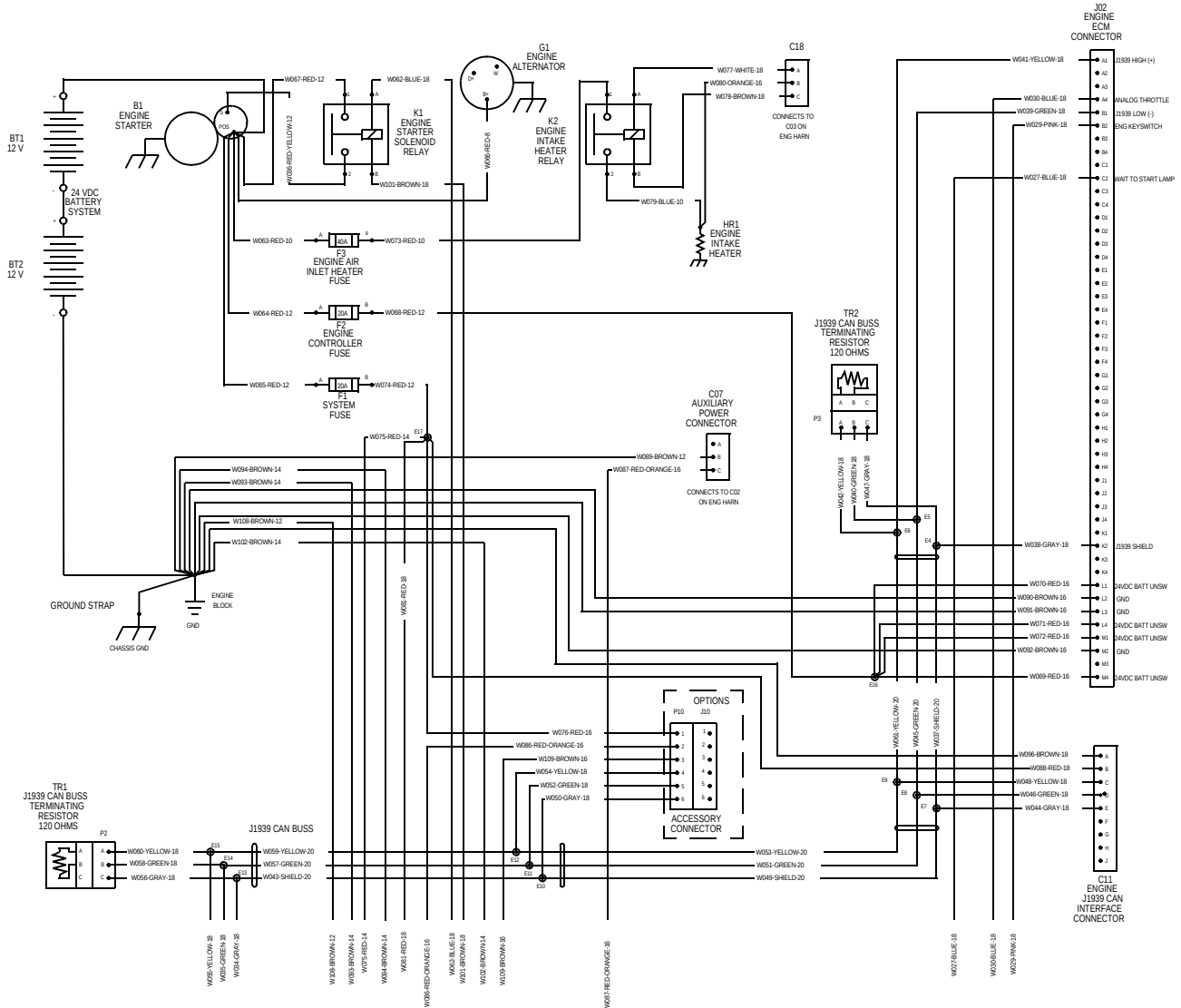
Instrument Panel Schematic



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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		
S1	22127385	Switch, Start		Load / Unload
S2	22054076	Switch, Rocker SPST Momentary		
W2	22835680	Harness, Instrument Panel		

Chassis Wiring Diagram

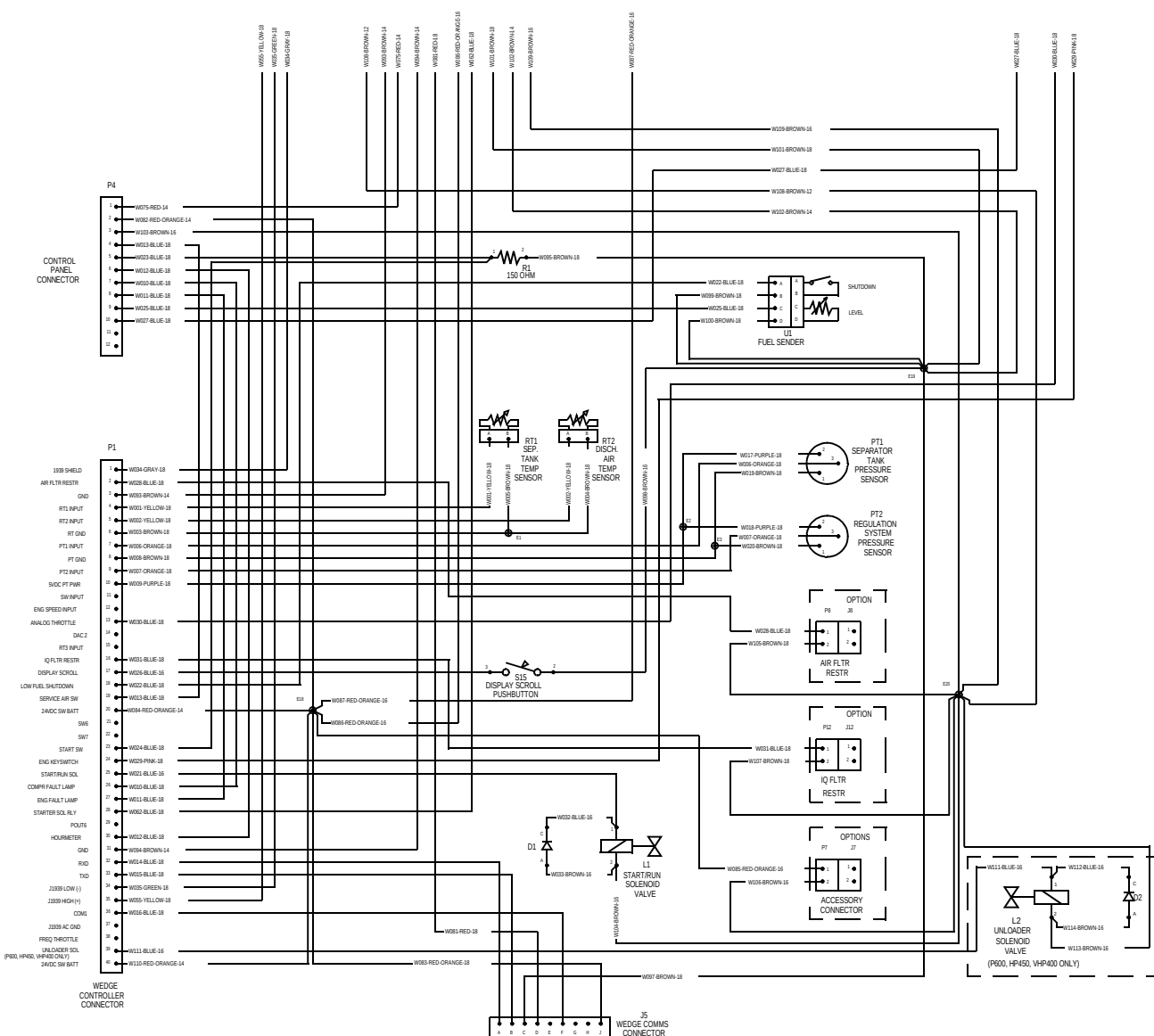


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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
B1	22206213	Starter		
BT1	22413876	Battery, 12V		
BT2	22413876	Battery, 12V		
F1	36792083	Fuse, 20A		
F2	36792083	Fuse, 20A		
F3	22986962	Fuse, 40A		
G1	23229511	Alternator		
HR1	85473999	Heater, Air Intake		
K1	36853521	Relay, Sealed 24V		Starter Solenoid Intake Heater
K2	36853521	Relay, Sealed 24V		
TR1	54750633	Terminator, Resistor		
TR2	54750633	Terminator, Resistor		

Continued...

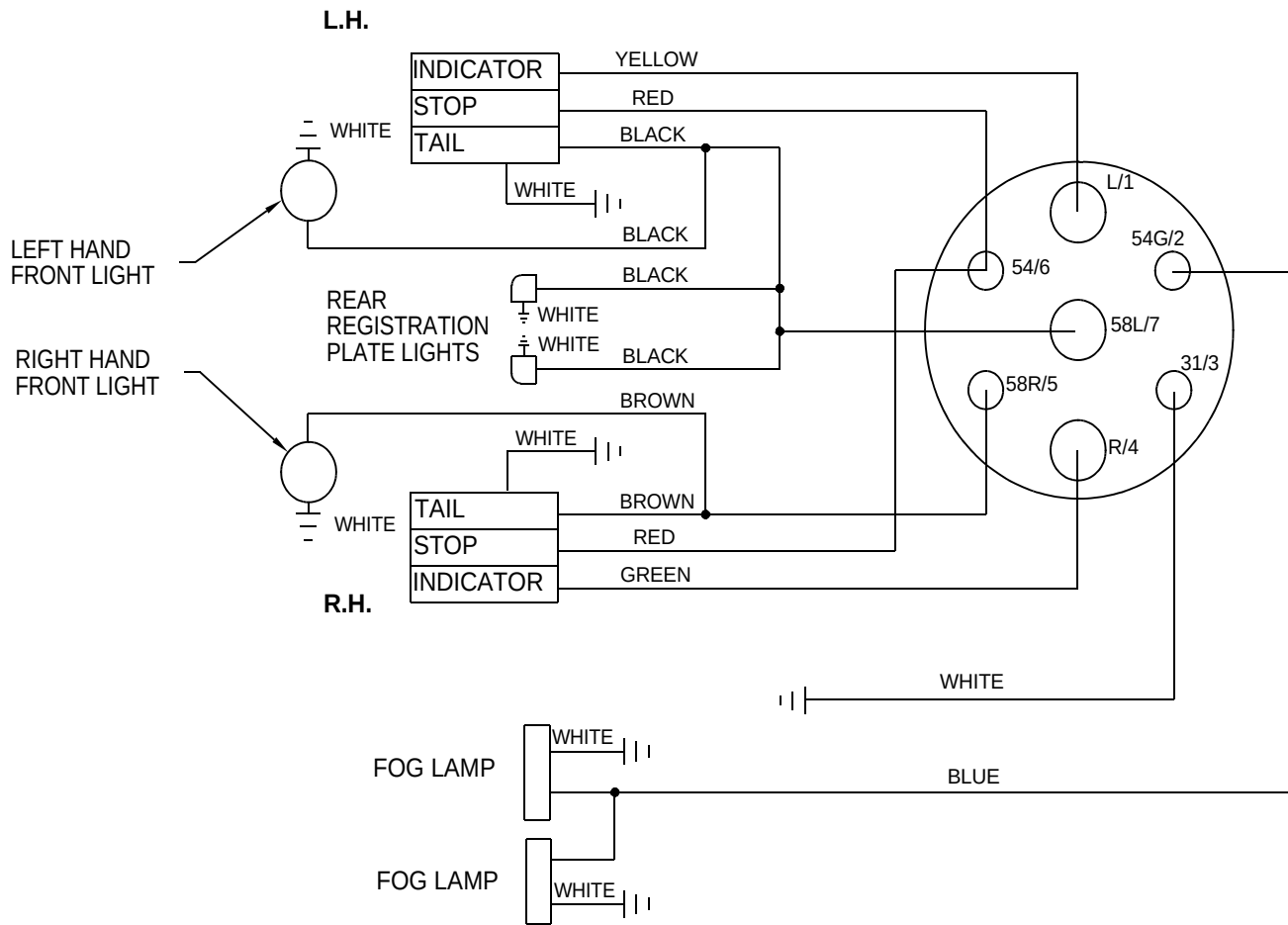
Chassis Wiring Diagram



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ITEM	COMM. NO.	DESCRIPTION	Q	DIMENSIONS/NOTES
D1	35376169	Diode		Continued
L1	36840841	Valve, Solenoid 24 V 0-100 PSI		Start / Run
L2	36840841	Valve, Solenoid 24 V 0-100 PSI (P600,HP450,VHP400 ONLY)		Unloader
PT1	54765946	Transducer, 0-500 PSIG		Separator Tank
PT2	36920825	Transducer, 0-100 PSI		Regulation System
R1	~	Resistor		
RT1	36898922	Sensor, Temperature		Separator Tank
RT2	36898922	Sensor, Temperature		Discharge Air
S15	54475777	Switch, Rocker SP Momentary		Scroll
U1	54731427	Sender, Fuel Level		
W1	22984009	Harness, Chassis		
W2	22214373	Harness, Solenoid		

Tail Light Wiring Diagram



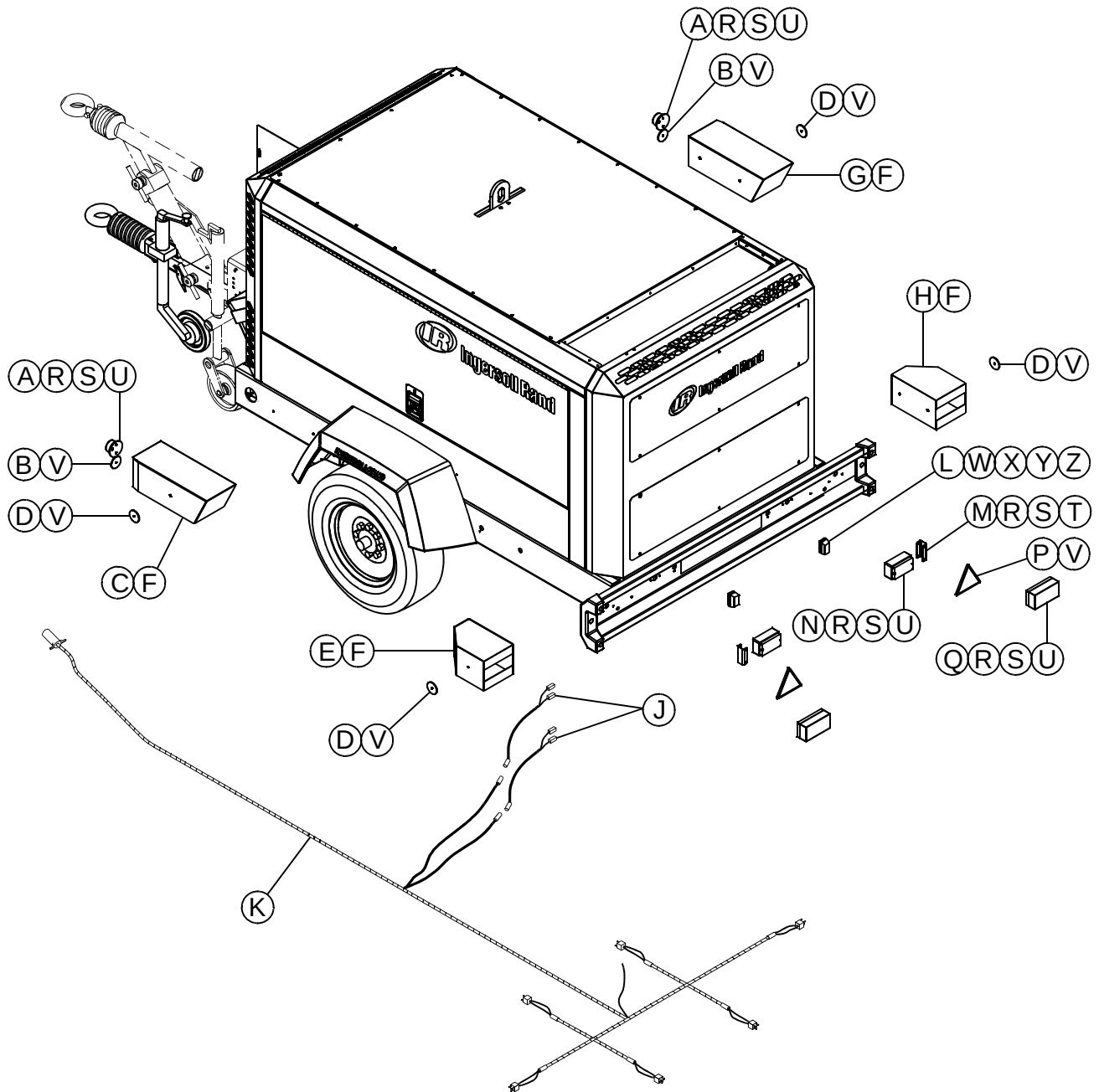
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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	36844264	Battery	2	
	35315944	Switch, Brakeaway	1	
	36895860	Light, License	1	
	35367051	Light, Amber Side	2	
	54671557	Light, Stop / Tail	2	
	54761101	Harness, Light	1	

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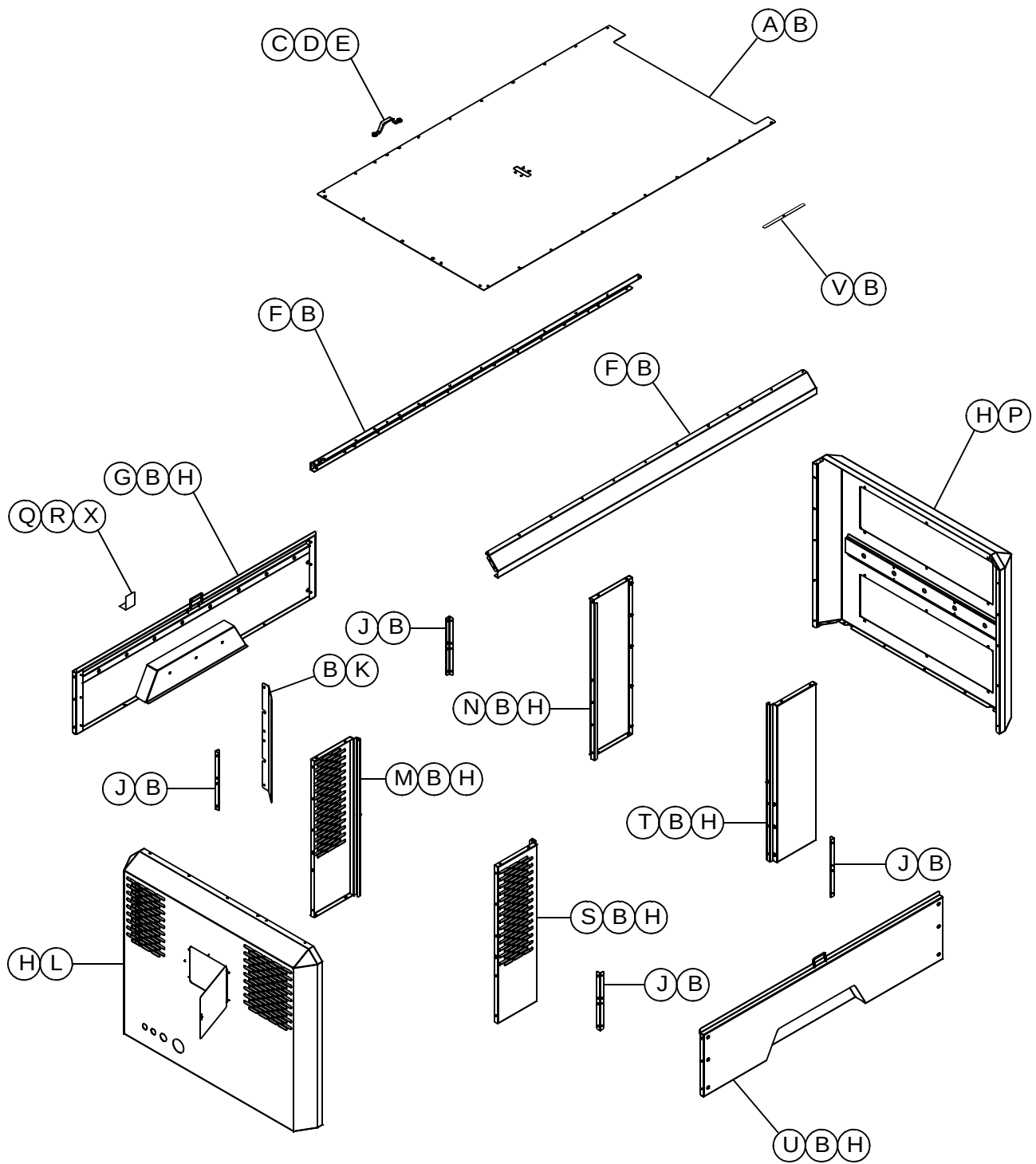
Brake Lights and Wiring



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	92121250	Light, Front Side	2	
B	92085729	Reflector, White	2	
C	22186811	Pod, LH Front Side	1	
D	92121243	Reflector, Amber	4	
E	22186605	Pod, LH Rear Side	1	
F	35279025	Screw, Tapping M08-1.25 X 20	8	
G	22186829	Pod, RH Front Side	1	
H	22186613	Pod, RH Rear Side	1	
J	54477740	Harness, Front Side	2	
~	54738091	Bar Assembly, Bumper / Light	1	
K	22173454	Harness, Rear Bumper	1	
L	92901230	Lamp, Registration Plate	2	
M	22073183	Bracket, Triangle Spacer	2	
N	93477388	Lamp, Rear Fog	2	
P	92721331	Triangle, Reflector Warning	2	
Q	92901222	Lamp, Stop/Tail/Direction	2	
R	92304583	Washer, M05 Flat	20	
S	92304492	Nut, Hex M05-0.8	20	
T	96705728	Screw, Hex M05-0.8 X 16	4	
U	96743265	Screw, Hex Socket Head Cap M05-0.8 X 16	16	
V	92271915	Rivet, 3/16 X 1/2	10	
W	96703756	Nut, Hex M04-0.7	4	
X	96745237	Washer, M04 Lock	4	
Y	96705173	Screw, Hex M04-0.7 X 16	4	
Z	96705165	Washer, M04 Flat	4	

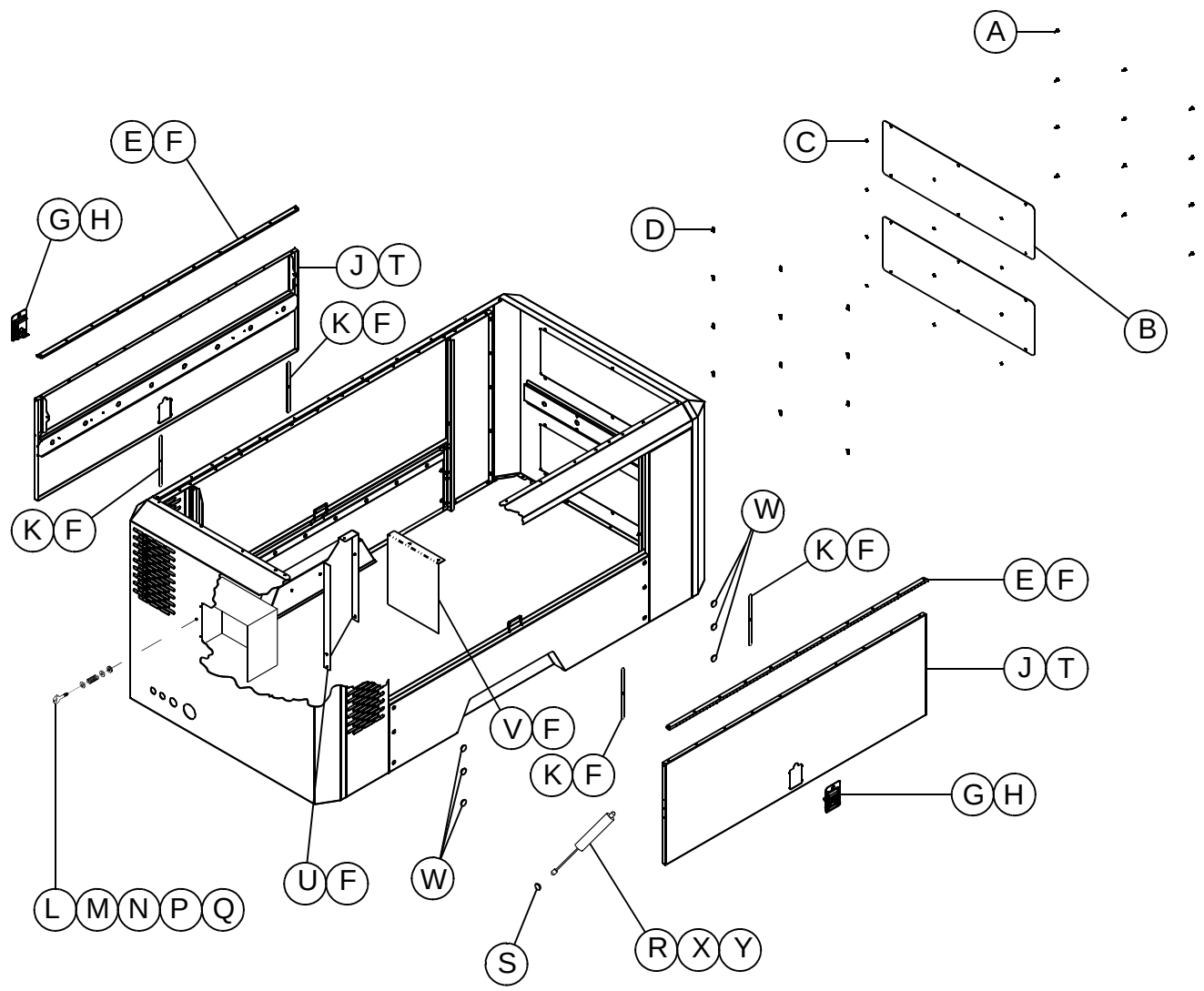
Roof and Side Enclosure



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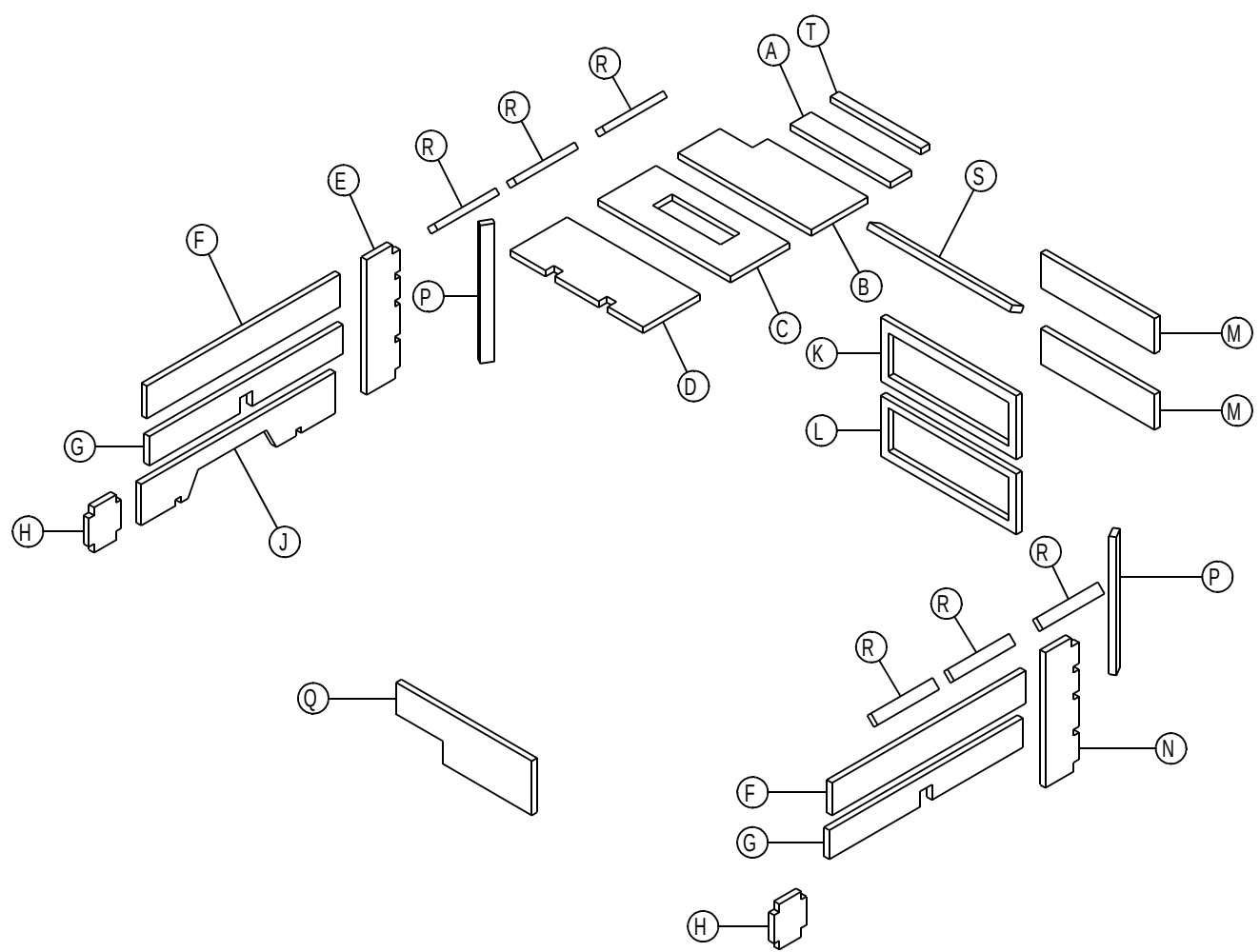
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22194716	Panel, Roof	1	
B	36797652	Screw, Tapping M06-1.0 X 12	96	
C	35130707	Hold, Hand	1	
D	96702659	Screw, Hex M08-1.25 X 25	2	
E	36895746	Nutsert, Hex M08	2	
F	22194708	Rail, Top Side	2	
G	22227425	Panel, Lower CRBSD	2	
H	35279025	Screw, Tapping M08-1.25 X 20Front	16	
J	22192132	Bracket, Side Panel	4	
K	22112478	Baffle, Intake	1	
L	54739784	Endcap, Front	1	
M	54739826	Panel, Front CRBSD	1	
N	22194682	Panel, Rear CRBSD	1	
P	22194690	Panel, Rear End	1	
Q	35369313	Step, Folding	1	
R	36881886	Nut, Hex Flange M08-1.25	2	
S	54739842	Panel, Front STSD	1	
T	22194674	Panel, Rear STSD	1	
U	22227433	Panel, Lower STSD	1	
V	54718184	Strap, Foam Retaining	8	

Door and Baffle Enclosure



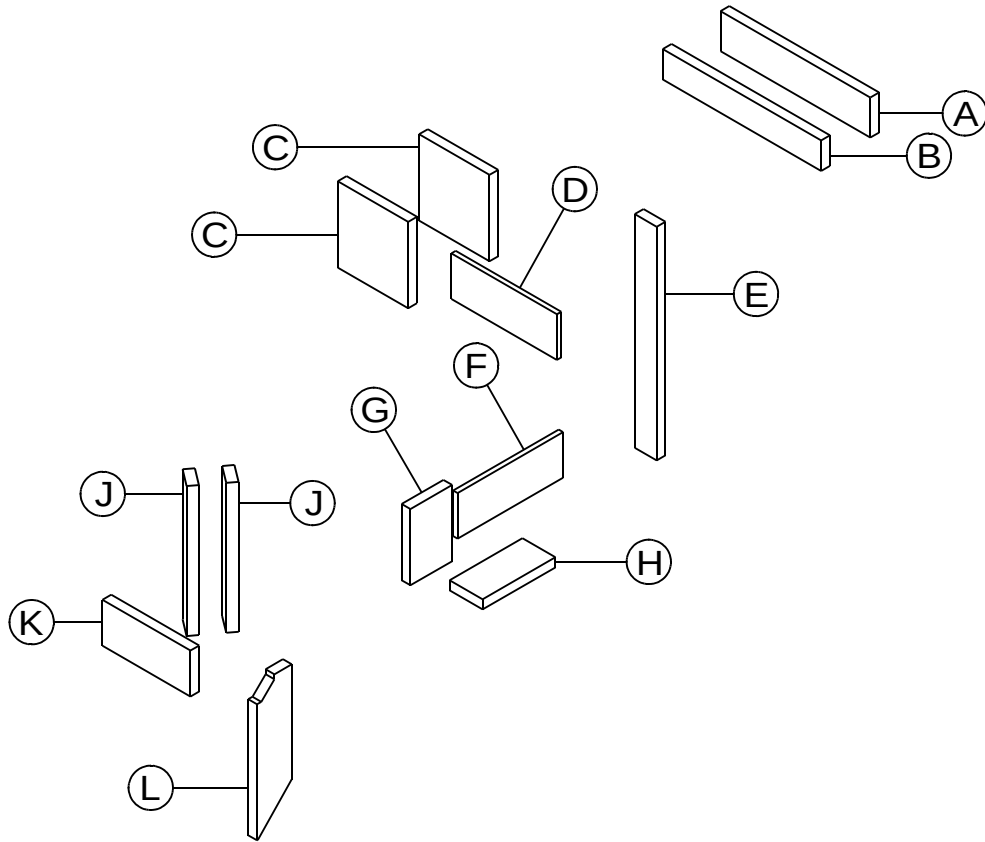
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35256429	Stud, Short	12	Hight Ambient Option ONLY
B	54694831	Panel, Rear Access	2	
	54760483	Panel, Louver Access	2	
C	35256445	Retainer	12	
D	35256452	Receptacle, Clip-on	12	
E	54639174	Hinge, Side Door	2	
F	36797652	Screw, Tapping M06-1.0 X 12	53	
G	36793602	Latch, Slam	2	
H	36794816	Rivet, 3/16" Stainless	8	
J	54743257	Door, Side	2	
K	54718184	Strap, Foam Retaining	4	
L	35607829	Eyebolt, 1/4-20 X 2.50"	1	
M	36772028	Washer, Nylon	1	
N	35607837	Spring	1	
P	95935029	Washer, Flat	1	
Q	95923298	Nut, Hex Lock 1/4-20	1	
R	36881886	Nut, Hex Flange M08-1.25	8	
S	95934998	Washer, Flat	2	Studs on Front Panel ONLY 6.5' Each Door
T	22068373	Seal, Door	13'	
U	22058101	Bracket, Front Intake	1	OND Opt ONLY
V	22429765	Baffle, Separator Tank	1	
W	54772041	Plug, Hole	12	
X	35600261	Spring, Gas Door	4	
Y	35337328	Stud, Ball M08	8	

Foam Insulation Exterior



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22094304	Panel, Acoustic Cooler	1	
B	22094296	Panel, Acoustic Engine	1	
C	22094288	Panel, Acoustic Lift BAIL	1	
D	22094270	Panel, Acoustic Front	1	
E	22094239	Panel, Acoustic Rear CRBSD	1	
F	22164842	Panel, Acoustic Upper Door	2	
G	22164859	Panel, Acoustic Lower Door	2	
H	22095079	Panel, Acoustic Front Side	2	
J	22293138	Panel, Acoustic Lower Side	1	
K	22096531	Panel, Acoustic Rear End Top	1	
L	22096598	Panel, Acoustic Rear End Lower	1	
M	54674957	Panel, Acoustic Rear Cover	2	
N	22094452	Panel, Acoustic Rear STSD	1	
P	22429708	Panel, Acoustic Rear Side Chamfer	2	
Q	22095129	Panel, Acoustic Front End	1	
R	22429609	Panel, Acoustic Top Side Chamfer	6	
S	22429716	Panel, Acoustic Top Rear Chamfer	1	
T	22429682	Panel, Acoustic Rear Roof	1	

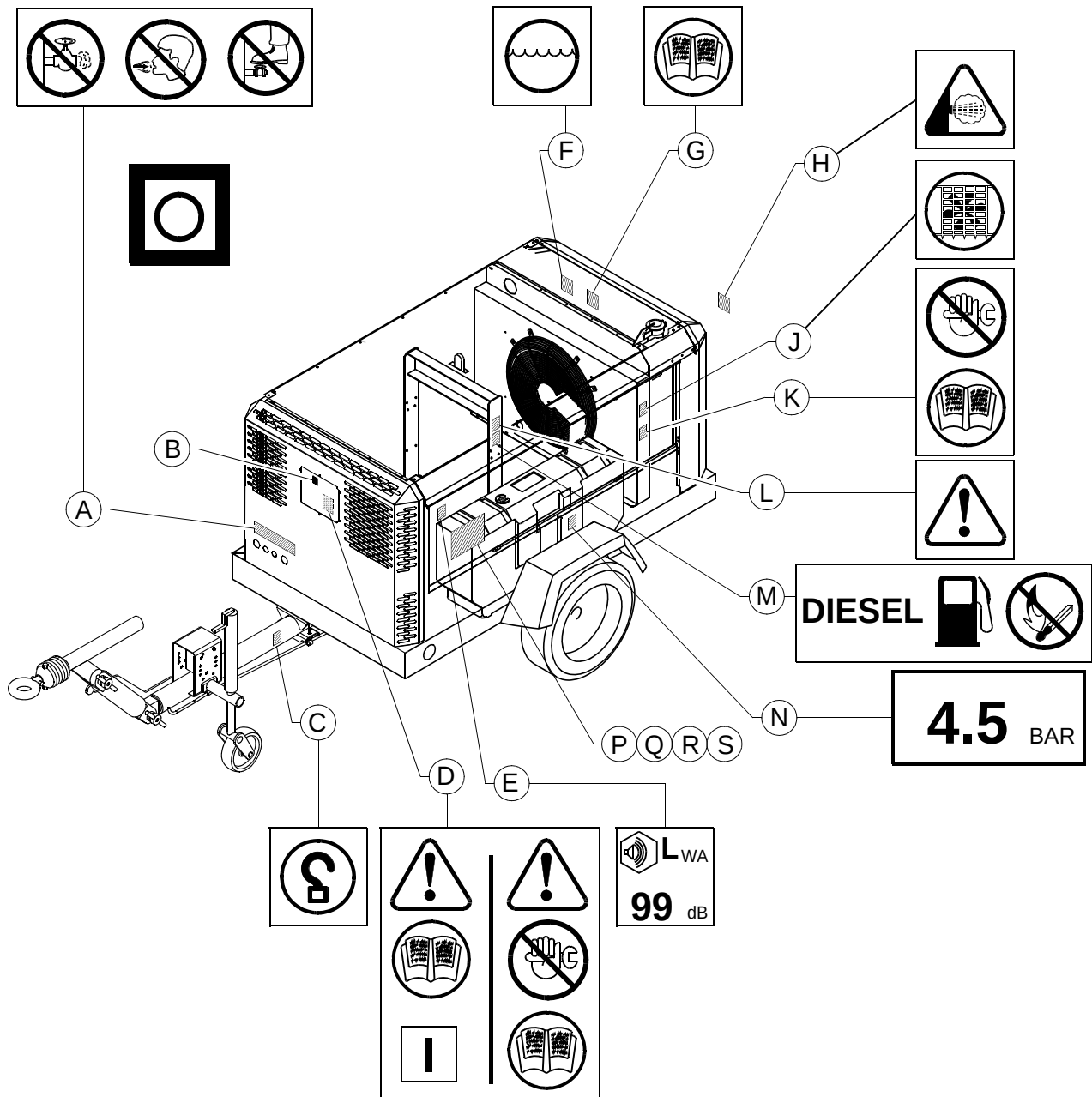
Foam Insulation Interior



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23292949	Panel, Acoustic Outside Cooler Wall	1	OND Opt ONLY
B	23292956	Panel, Acoustic Inside Cooler Wall	1	
C	22429757	Panel, Acoustic Separator Tank Baffle	2	
D	22429658	Panel, Acoustic Lifting Bail	1	
E	22429724	Panel, Acoustic Rear Cooler Wall	1	
F	22429740	Panel, Acoustic Engine Mount Wall	1	
G	22429732	Panel, Acoustic Tool Box Wall	1	
H	23292964	Panel, Acoustic Air Cleaner Bracket	1	
J	22164867	Panel, Acoustic Baffle	2	
K	22429625	Panel, Acoustic Instrument Panel	1	
L	22096523	Panel, Acoustic Baffle	1	

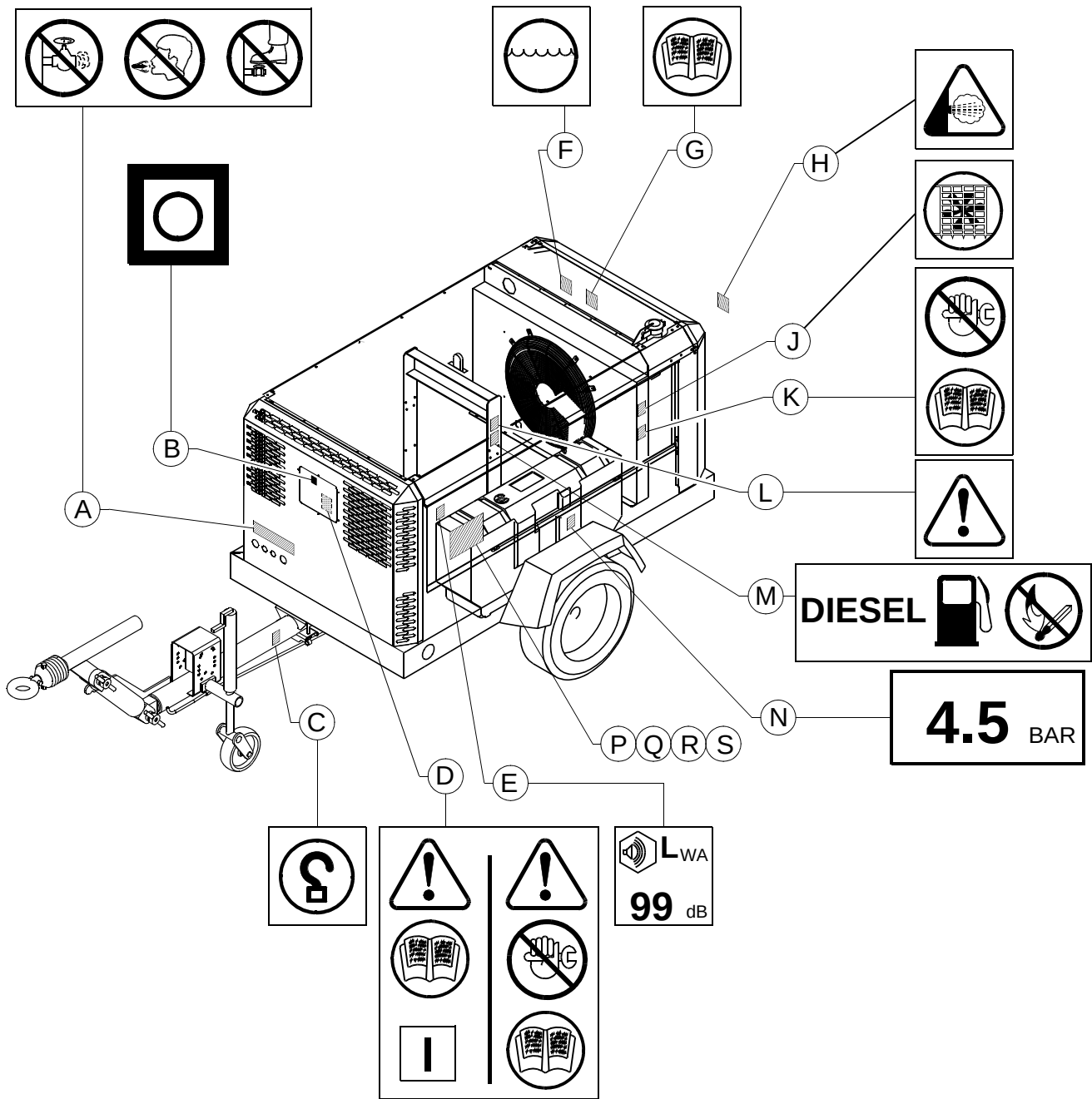
Decal Location STSD



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	93465383	Decal, Service Valve	1	Continued...
B	92930650	Decal, Emergency Stop	1	
C	93171262	Decal, Lift/Tie Down Point	1	
D	88115498	Decal, Pre-Start	1	
E	22062335	Decal, Sound Power	1	
F	93171288	Decal, Coolant Fill	1	
G	92867449	Decal, Refer to Manual	1	
H	92976042	Decal, Exhaust Gas	1	
J	93165959	Decal, Rotating Fan	1	

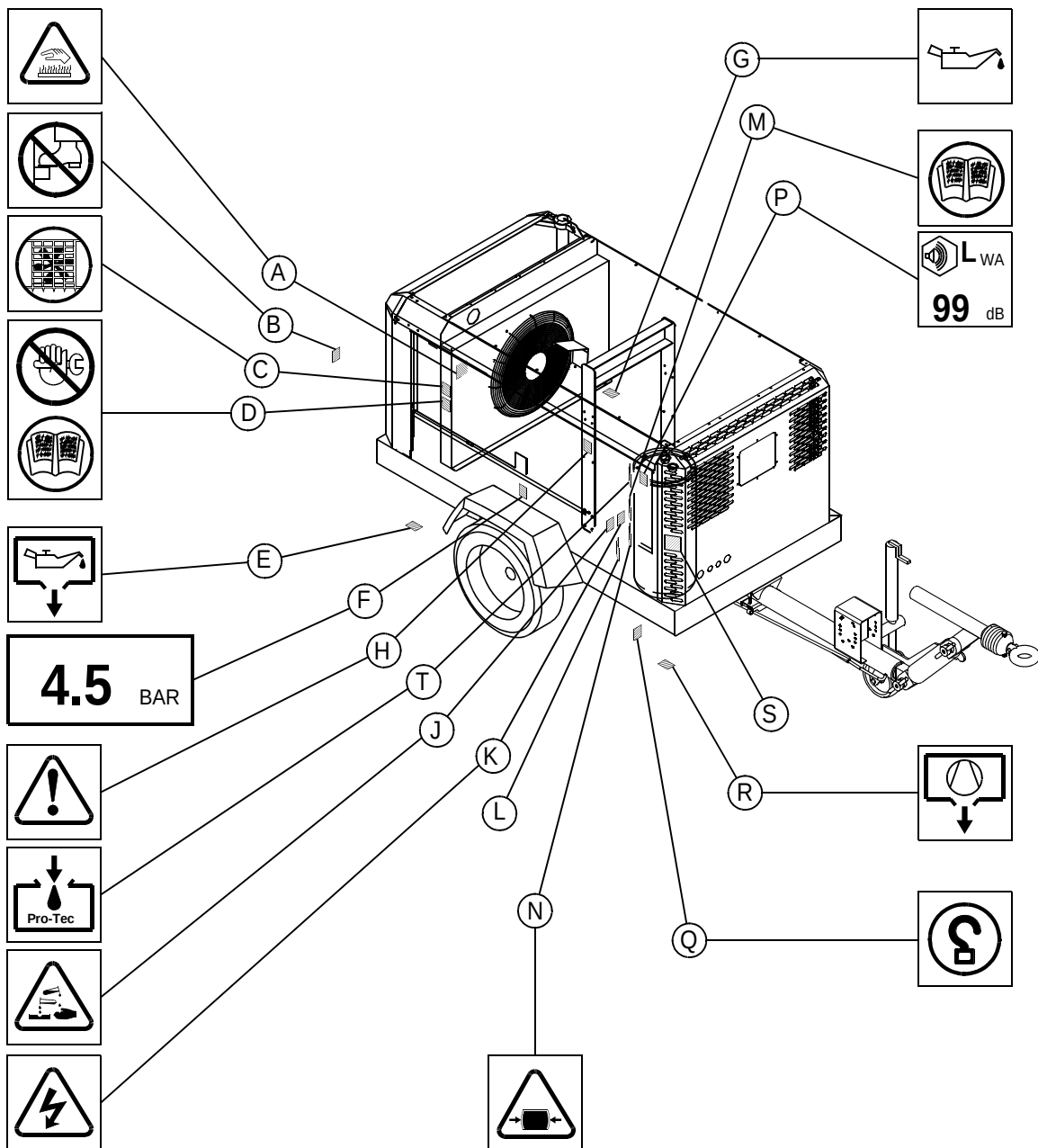
Decal Location STSD



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	92930668	Decal, No Maintenance	1	Continued
L	92930627	Decal, Warning	1	
M	93171254	Decal, Diesel Fuel	1	
N	93181873	Decal, Tyre Pressure	1	
P	23077324	Laminate Set	1	
Q	22068282	Screw, Tapping M04-0.7 X 25	2	
R	22255335	Laminate, Trailer Wiring	1	
S	36788982	Binder, 3-Ring	1	

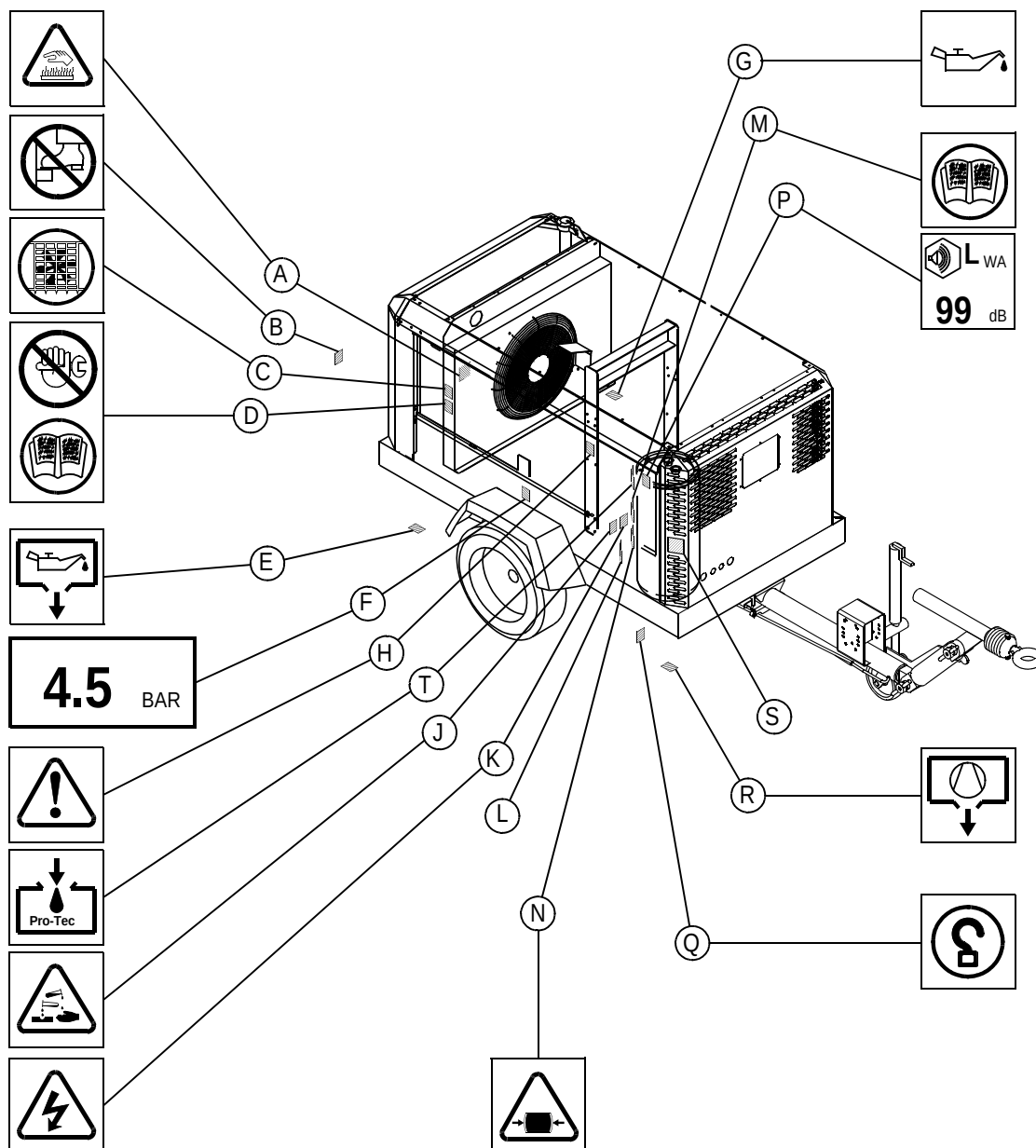
Decal Location CRBSD



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	92867530	Decal, Hot Surface	1	Continued...
B	93194413	Decal, No Step	1	
C	93165959	Decal, Rotating Fan	1	
D	92930668	Decal, No Maintenance	1	
E	93171239	Decal, Engine Oil Drain	1	
F	93181873	Decal, Tyre Pressure	1	
G	93171270	Decal, Oil Fill	1	
H	92930627	Decal, Warning	1	
J	92930601	Decal, Corrosive Substance	1	

Decal Location CRBSD



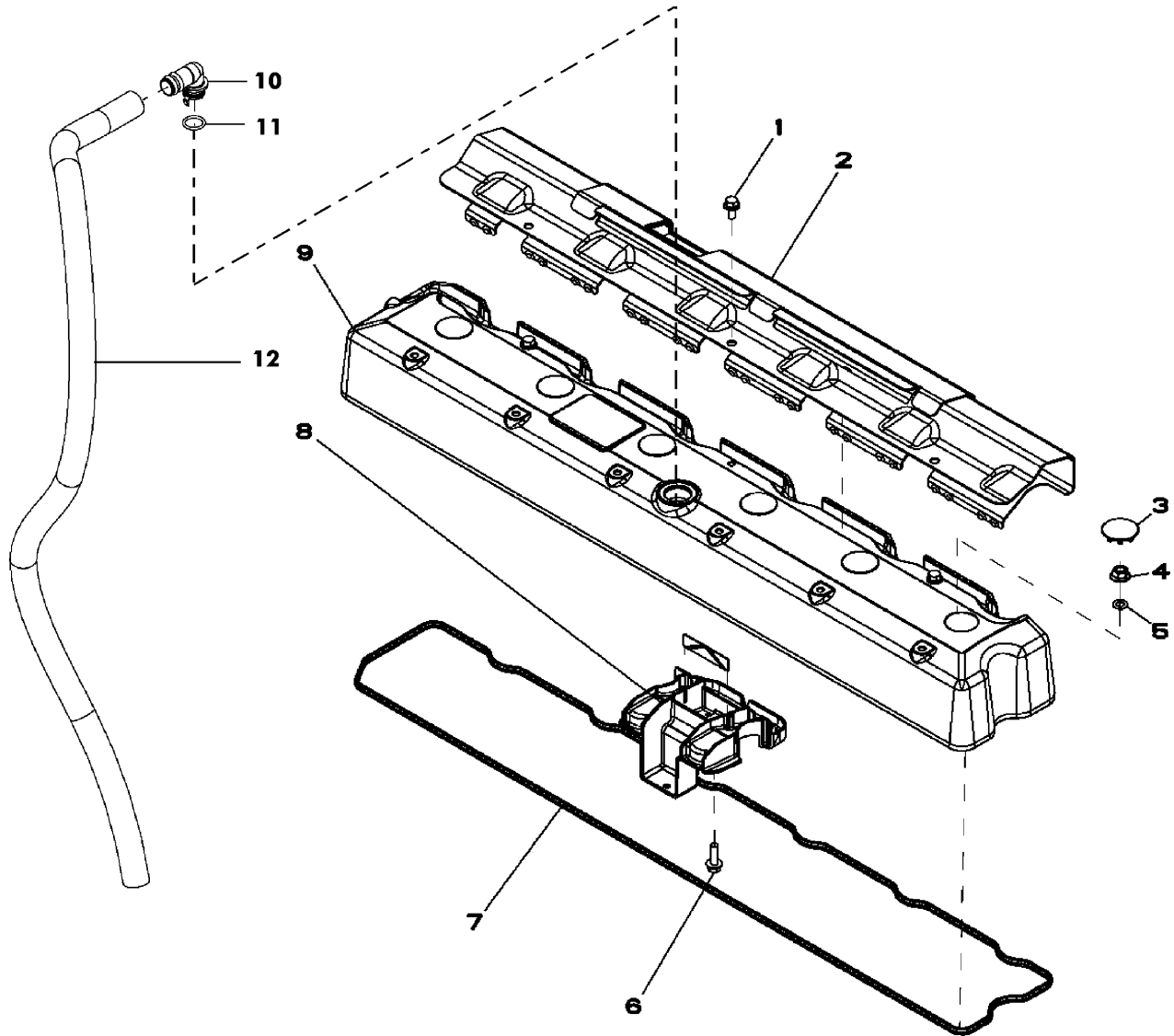
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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
K	92930539	Decal, Electric Shock	1	 <i>Continued</i>
L	93190486	Decal, Coolant Level	1	
M	92867449	Decal, Refer to Manual	1	
N	92930585	Decal, Pressurized Tank	1	
P	22062335	Decal, Sound Power	1	
Q	93171262	Decal, Lift/Tie Down Point	2	
R	93171247	Decal, Compressor Drain	1	
S	23239429	Plate, Data	1	
	23237225	Plate, Data	1	Non-EC Certified
T	89298491	Decal, Lubricant	1	EC Certified



Section C - ENGINE PARTS

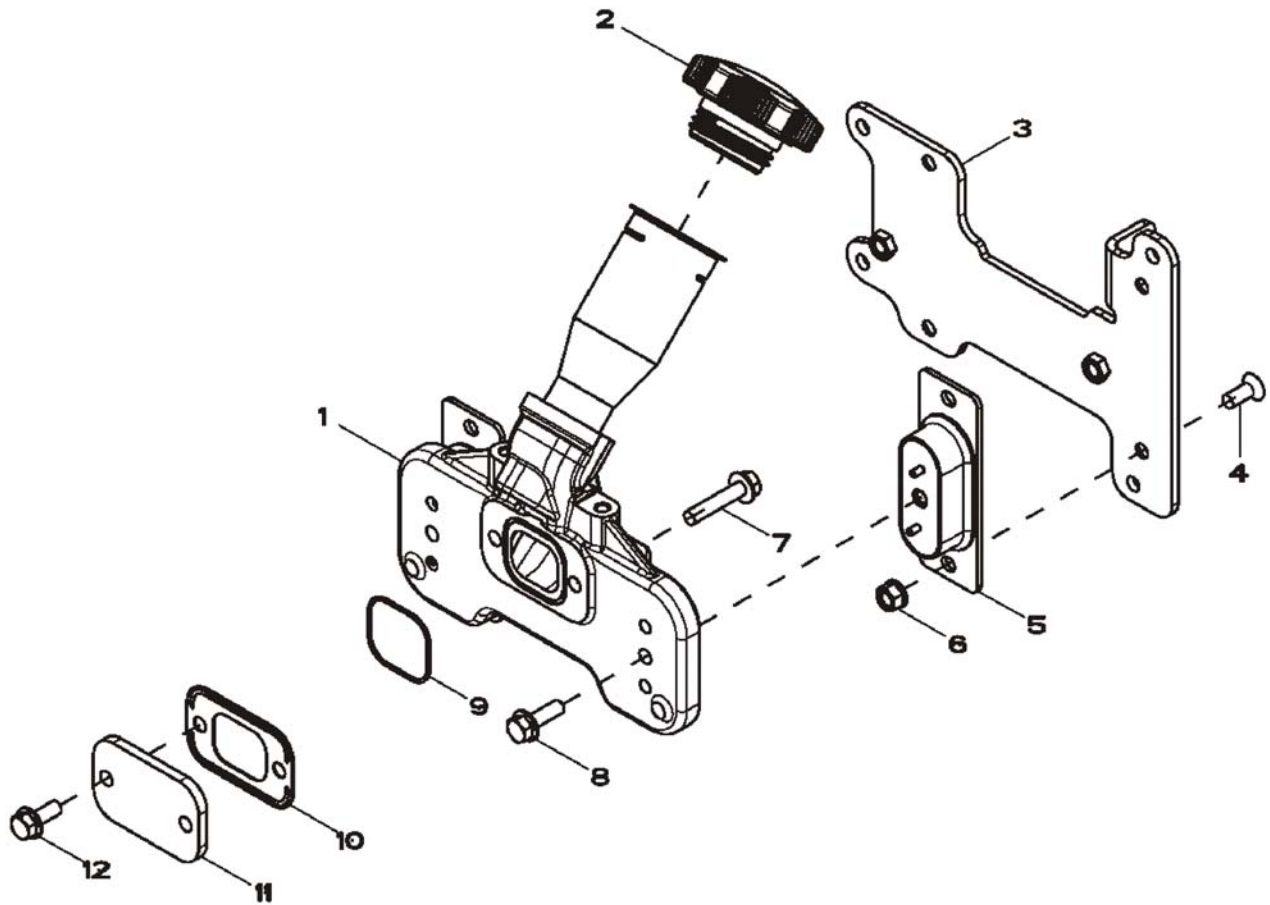
Rocker Arm Cover



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23110539	Screw, Hex Flange M06-1.0 X 12	3	
2	23254899	Shield, Heat	1	
3	36102929	Plug	6	
4	36106763	Nut, Hex Flange M08-1.25	6	
5	36106771	O-Ring, 7.595 X 2.616 mm	6	
6	24898918	Screw, Hex Flange M06-1.0 X 20	1	
7	23254881	Gasket, Rocker Arm Cover	1	
8	23019847	Deflector	1	
9	23254865	Cover, Valve	1	
10	36105062	Fitting, 90° Elbow	1	
11	36110385	O-Ring, 18.72 X 2.616 mm	1	
12	22899171	Hose, 1" OD X 1100 mm	1	

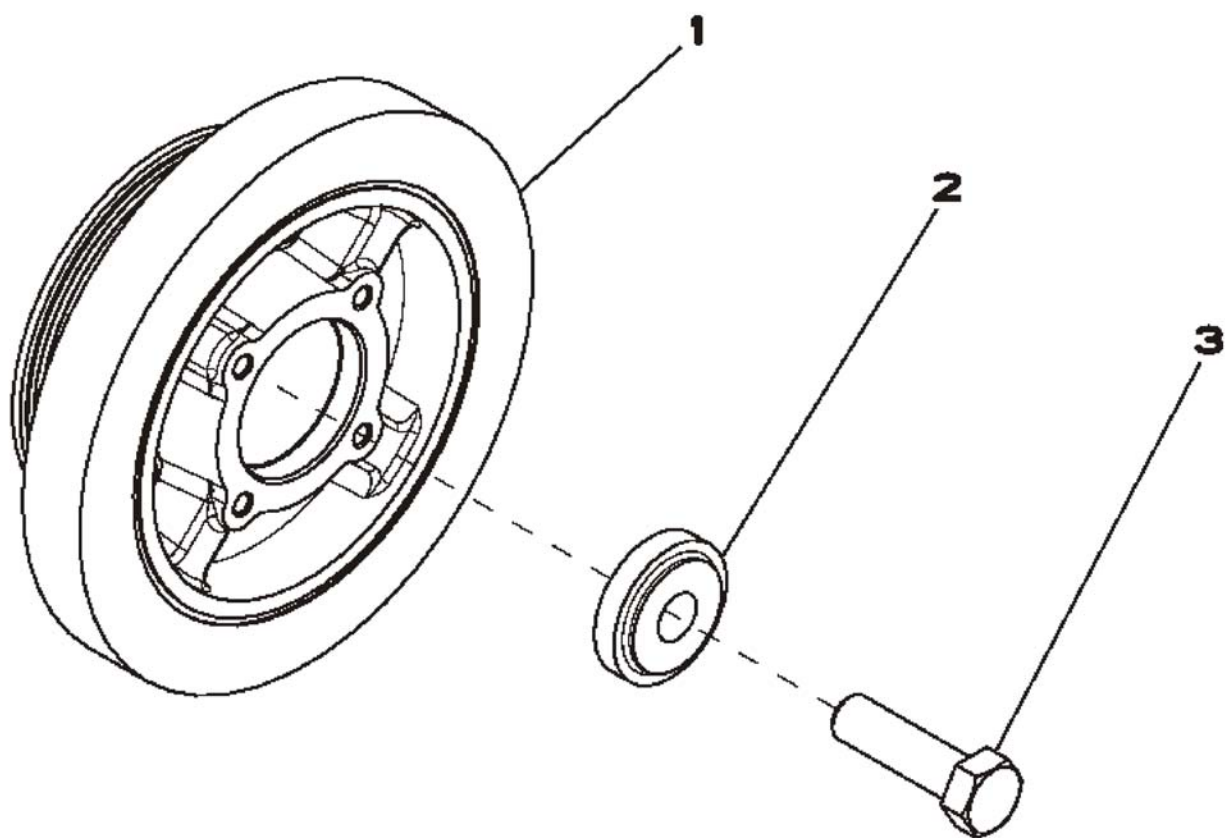
Oil Fill



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23230188	Neck, Filler	1	
2	23229909	Cap, 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 Flange M08-1.25 X 40	2	
8	23110661	Screw, Hex Flange M08-1.25 X 25	2	
9	23229560	O-Ring, 47.346 X 1.778 mm	1	
10	36108595	Gasket, Oil Fill Cover	1	
11	36104602	Cover, Oil Fill Port	1	
12	36118149	Screw, Hex Flange M08-1.25 X 20	2	

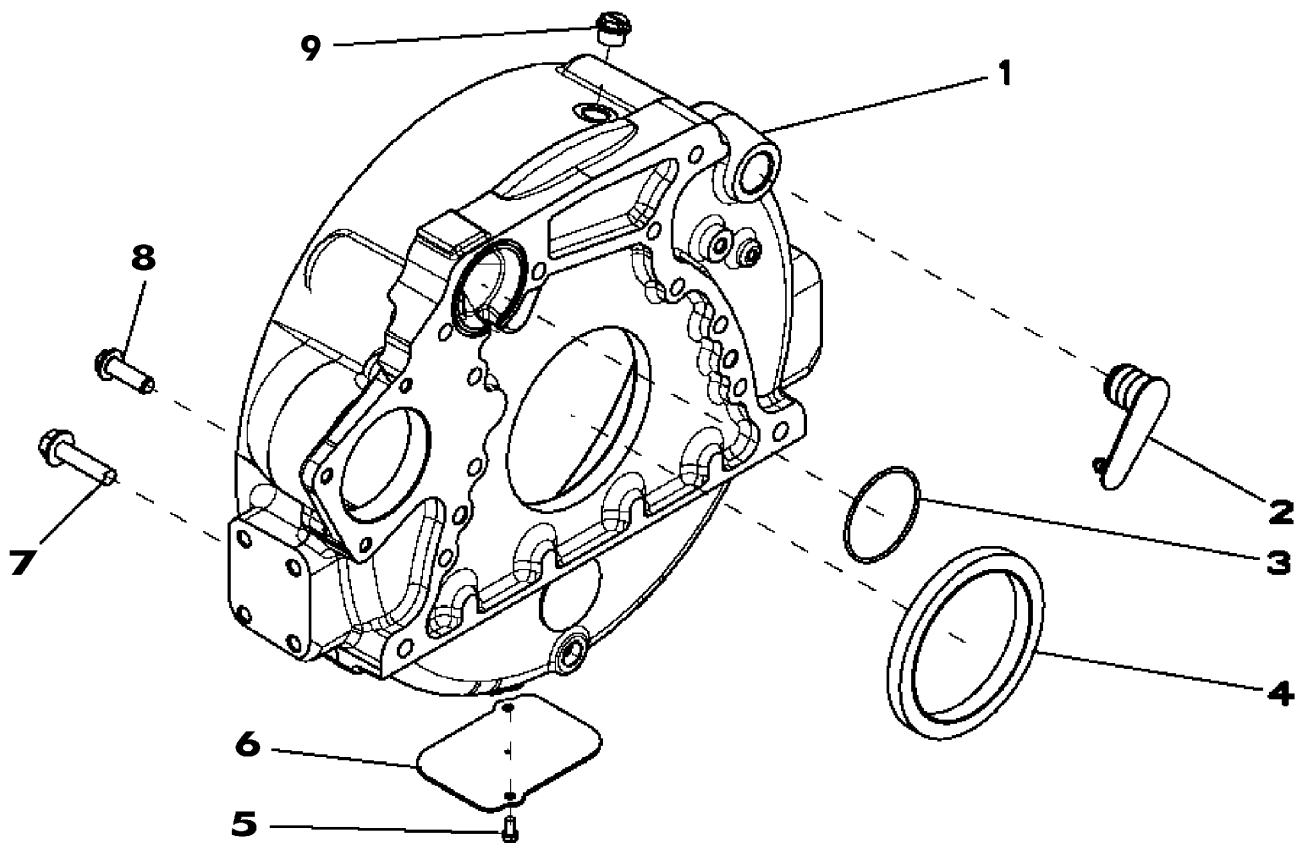
Crankshaft Pulley



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23254907	Pulley, Crankshaft w/ Damper	1	
2	23254915	Bushing, Crankshaft Pulley	1	
3	23236979	Screw, Hex Socket Head Cap M20-2.50 x 70	1	

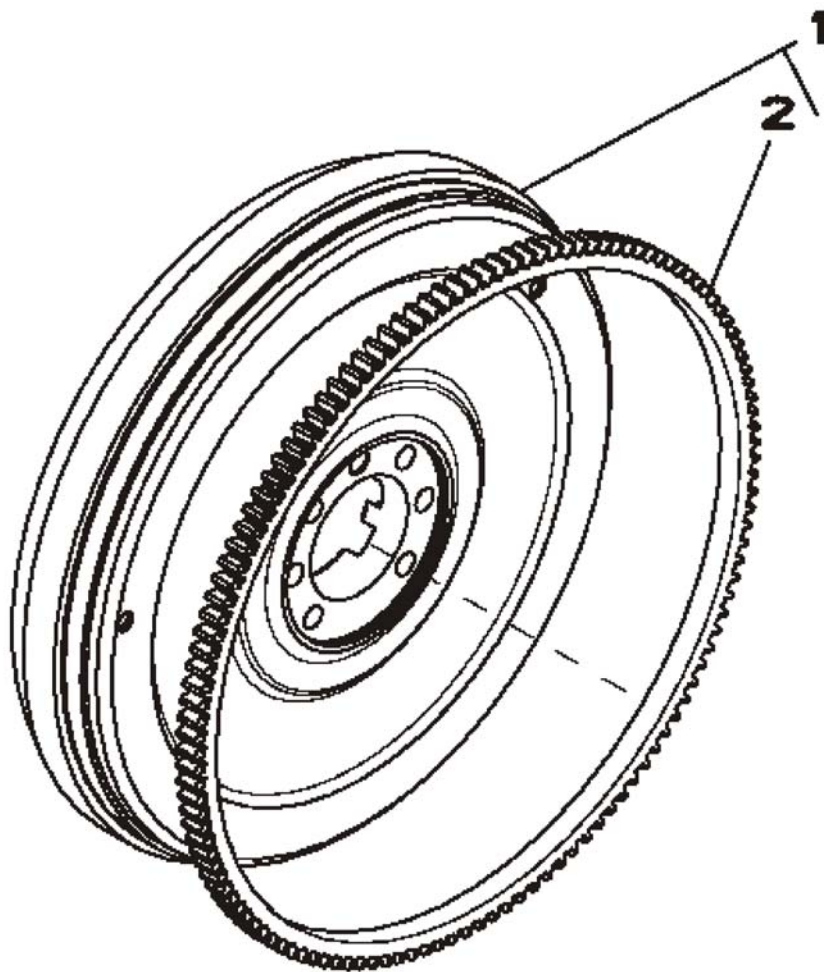
Flywheel Housing



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	18965079	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	85470458	Screw, Hex Cap M06-1.0 X 12	2	
6	36105252	Plate	1	
7	85470003	Screw, Hex Flange M12-1.75 X 50	4	
8	36108579	Screw, Special Flange M12-1.75 X 38	8	
9	36108918	Fitting	1	

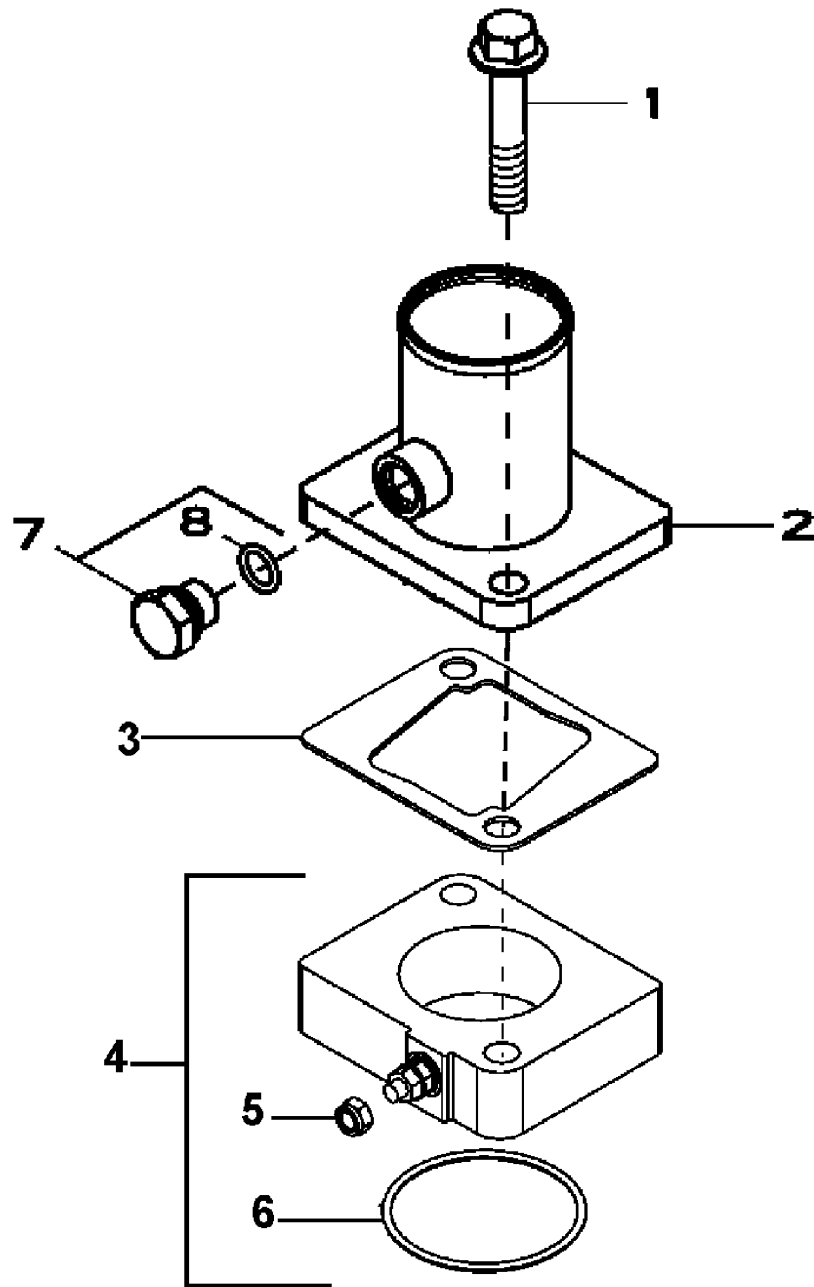
Flywheel



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85473395	Flywheel & Ring Gear	1	
2	36108819	Gear, Flywheel Ring	1	

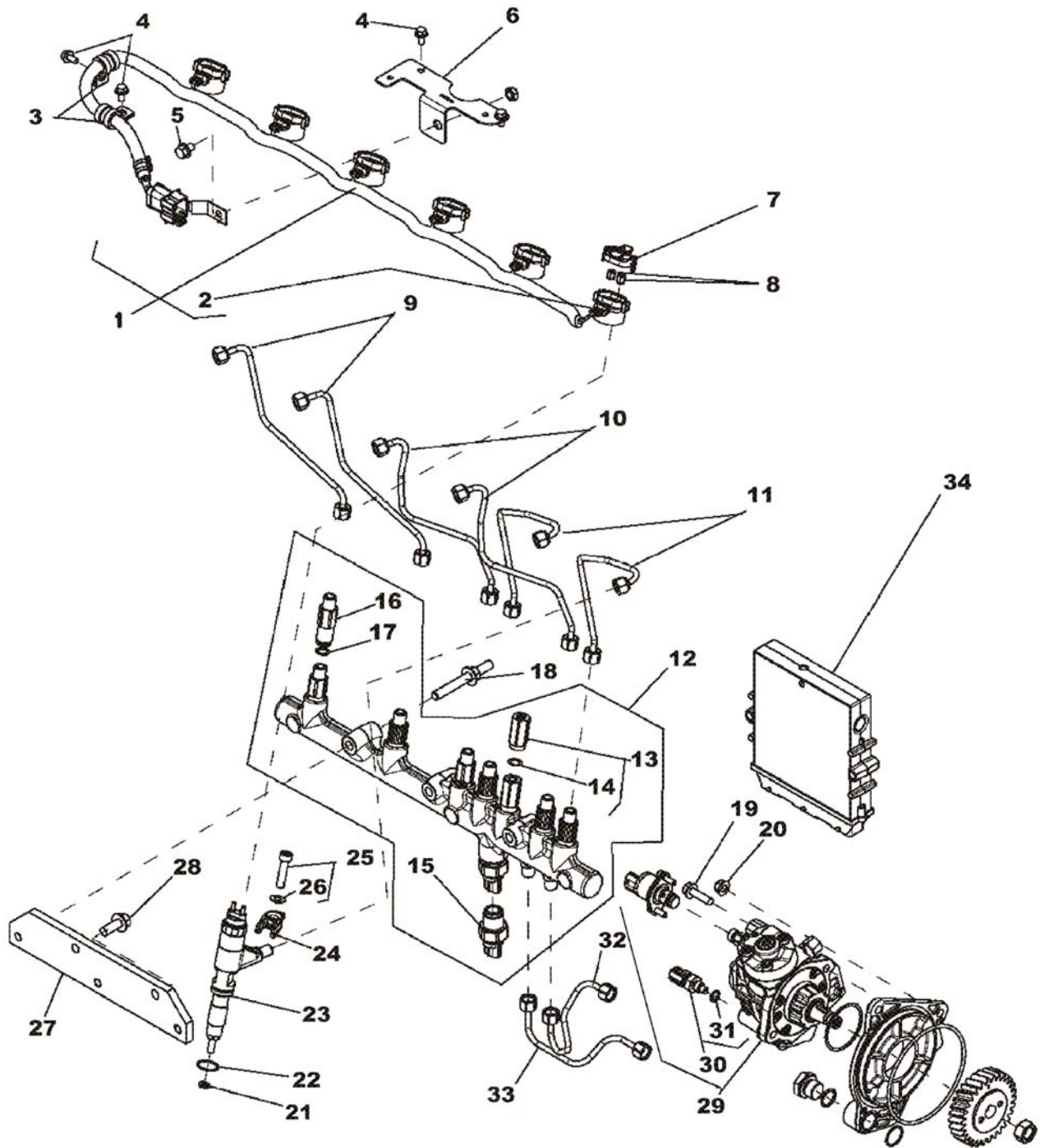
Intake Air Manifold



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23254956	Screw, Hex Flange M10-1.50 X 55	2	
2	36137461	Manifold, Intake	1	
3	36125276	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	36114072	Plug w/O-Ring, M14-2 X 1.5	1	
8	85470607	O-Ring, 11.30 X 2.20 mm	1	

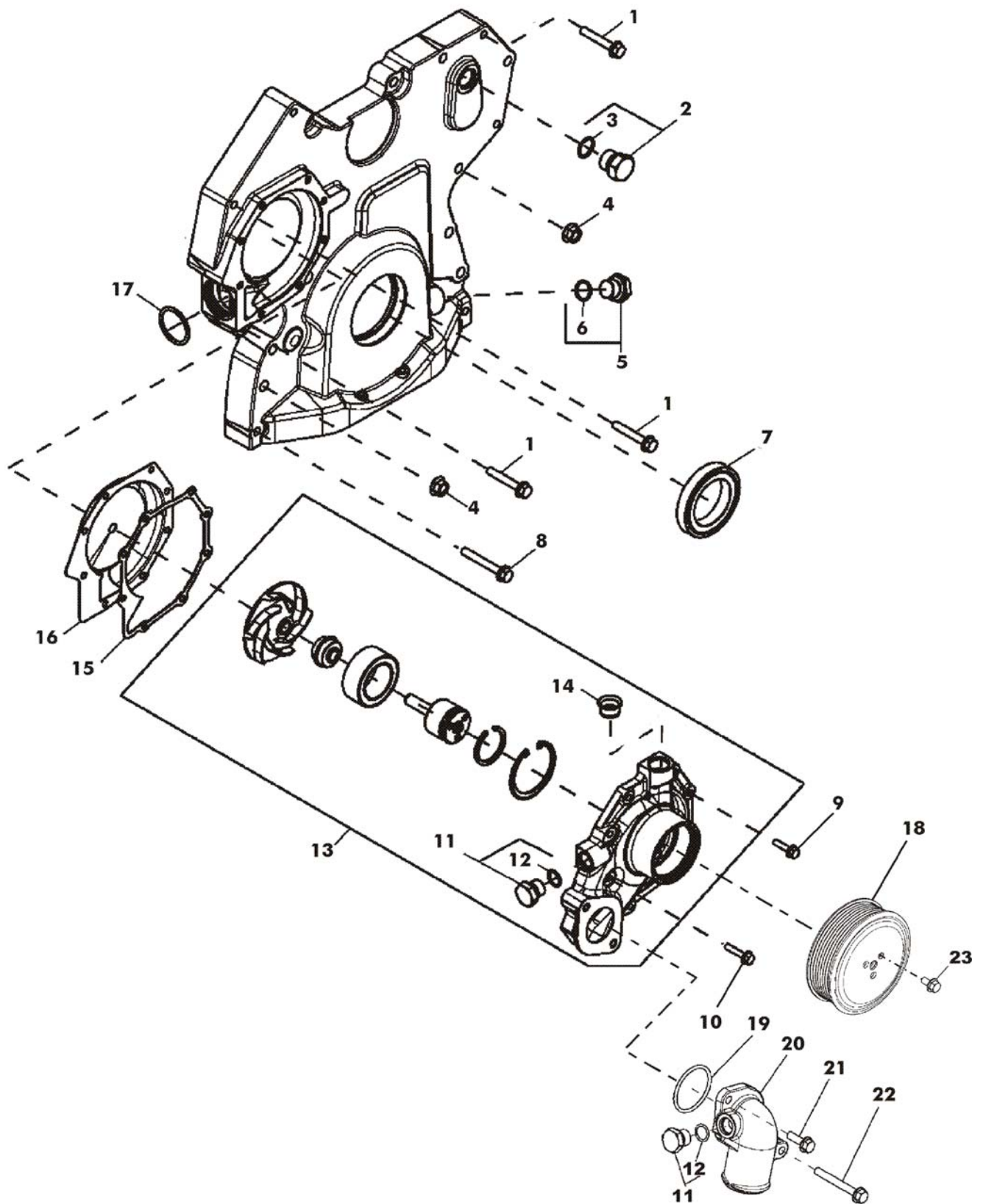
Fuel Injection Pump, Controller and Lines



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23254931	Harness, Engine Fuel Wiring	1	
2	23229792	Seal	1	
3	23230329	Clamp	2	
4	23230162	Screw, Hex Flange M06-1.0 X 12	4	
5	23230071	Screw, Hex Cap M08-1.25 X 12	1	
6	23229834	Bracket, Harness	1	
7	23019813	Cap, Electrical Connector	6	
8	23229529	Nut	12	
9	23019714	Line, Fuel	2	
10	23230139	Line, Fuel	2	
11	23230121	Line, Fuel	2	
12	23018492	Rail, Fuel	1	
13	23229966	Valve, Pressure Relief	1	
14	23017098	Shim	1	
15	23230014	Sensor, Fuel Pressure	1	
16	23229958	Restrictor	6	
17	23017098	Shim	6	
18	23017627	Stud	3	
19	24898926	Screw, Hex Flange M08-1.25 X 30	2	
20	24898801	Nut, Hex Flange M08-1.25	3	
21	23229867	Washer, Sealing	6	
22	23229602	O-Ring, 21.946 X 1.776 mm	6	
23	23230279	Kit, Electronic Unit Injector	6	
24	23229636	Clamp, Fuel Injector	6	
25	23230170	Screw, Hex Socket Head Cap w/ Washer	6	
26	23254949	Washer	6	
27	23019268	Bracket, Fuel Rail	1	
28	18969410	Screw, Hex Flange M10-1.5 X 25	2	
29	36138006	Pump, Fuel Injection	1	
30	23229974	Sensor, Fuel Temperature	1	
31	23019490	O-Ring, Fuel Temp Sensor	1	
32	23230147	Line, Fuel	1	
33	23230154	Line, Fuel	1	
34	23230113	Controller, Engine	1	

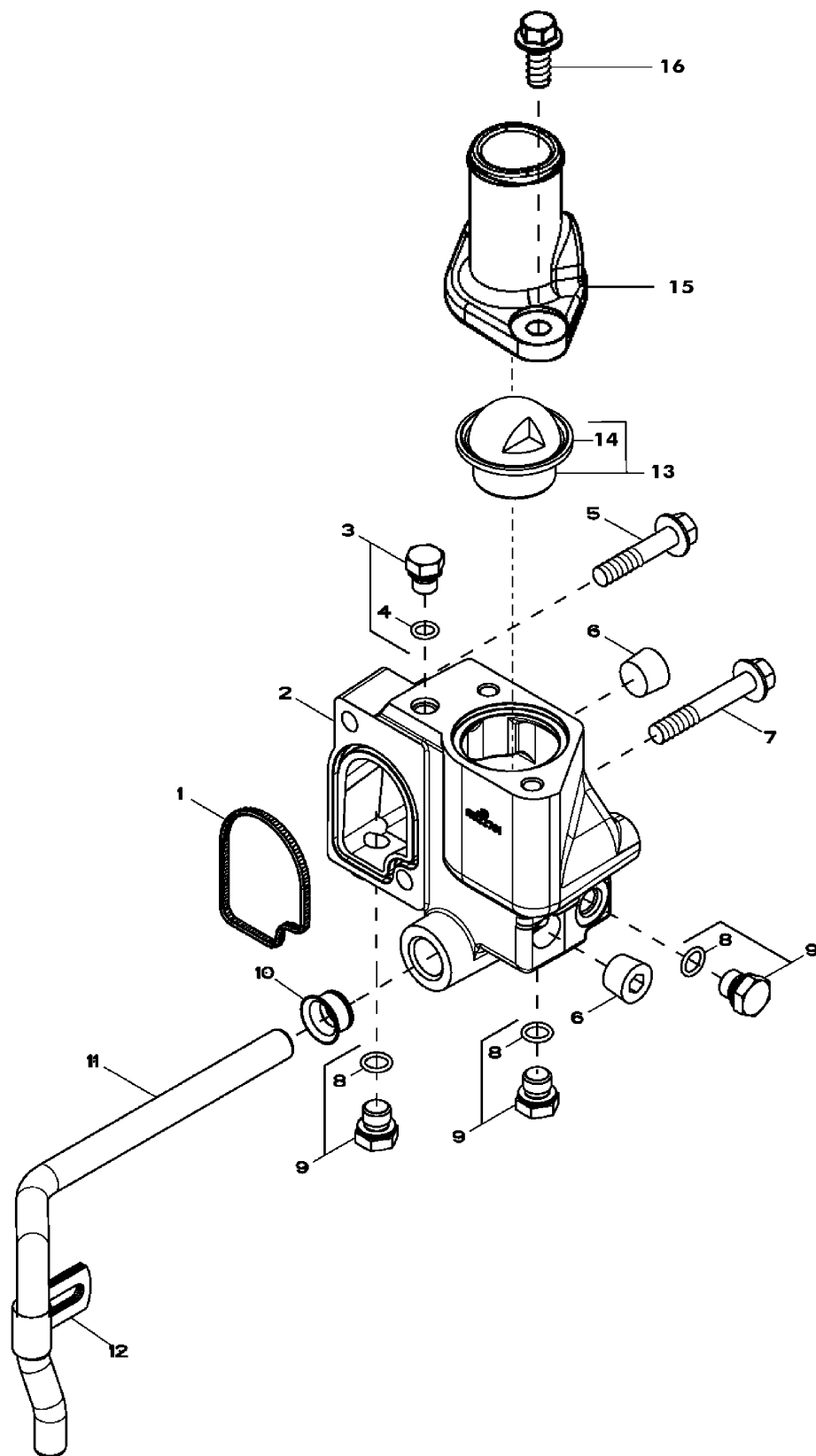
Water Pump



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85471142	Screw, Hex Flange M08-1.25 X 50	5	
2	36114106	Plug w/ Gasket, 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/ Gasket, M20-2.5 X 1.5	1	
6	85470631	O-Ring, 17.3 X 2.2 mm	1	
7	36116036	Seal, Front Oil	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/ Gasket, M18-2.5 X 1.5	2	
12	85470623	O-Ring, 15.3 X 2.20 mm	2	
13	24899601	Pump, Water	1	
14	36106060	Gasket, Water By-Pass Tube	1	
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, Water Pump	1	
19	36111425	O-Ring, 50.394 X 3.531mm	1	
20	24899338	Housing, Water Pump Inlet	1	
21	23110661	Screw, Hex Flange M08-1.25 X 25	1	
22	23110984	Screw, Hex Flange M08-1.25 X 65	1	
23	23110539	Screw, Hex Flange M06-1.0 X 12	3	

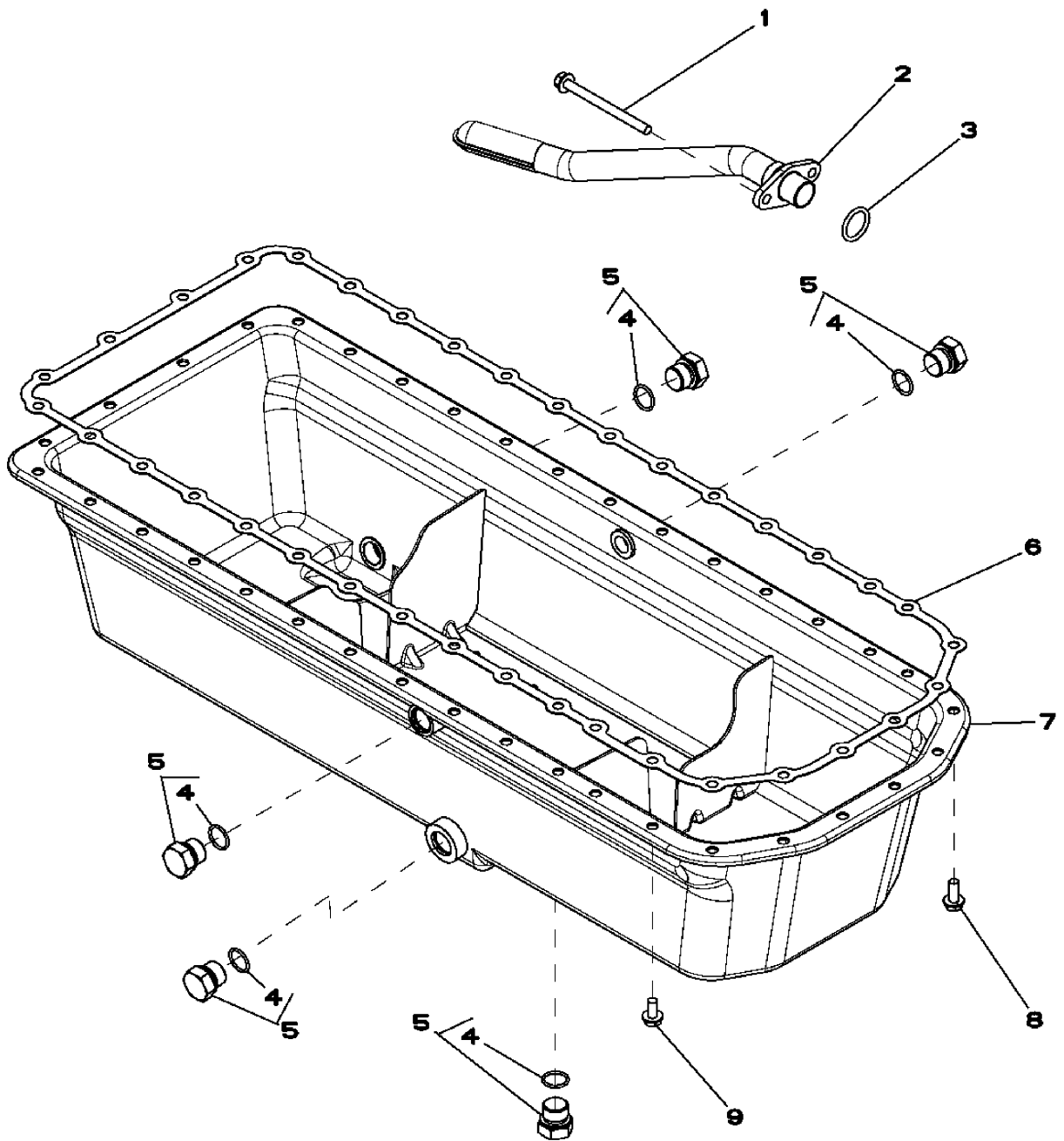
Thermostat



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23019227	Seal, Thermostat Housing	1	
2	23019391	Housing, Thermostat	1	
3	36114098	Plug w/ Gasket, M12-1.75 X 1.5	1	
4	36126019	O-Ring, 9.3 X 2.2 mm	1	
5	85470474	Screw, Hex Flange M10-1.50 X 50	1	
6	23230295	Plug, Pipe 1/2-14 NPTF	2	
7	24898876	Screw, Hex Flange M10-1.5 X 65	1	
8	85470607	O-Ring, 11.30 X 2.20 mm	1	
9	36114072	Plug w/O-Ring, M14-2 X 1.5	3	
10	36106060	Gasket, Water By-Pass Tube	1	
11	23017312	Tube, Water Pump By-Pass	1	
12	36106177	Clamp	1	
13	23019862	Thermostat	1	
14	23019342	Seal, Thermostat	1	
15	23254980	Cover, Thermostat	1	
16	18969410	Screw, Hex Flange M10-1.5 X 25	2	

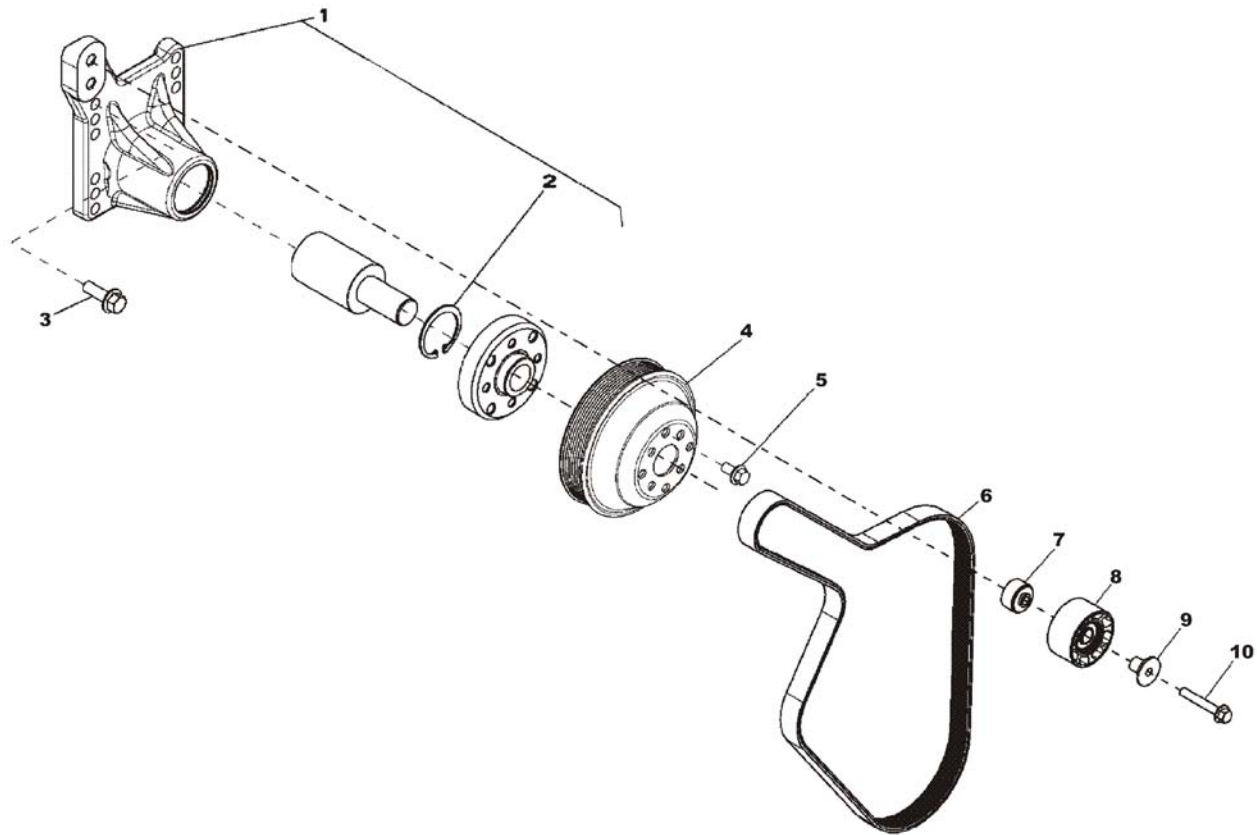
Oil Pan



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85470508	Screw, Hex Flange M08-1.25 X 100	2	
2	85474781	Tube, Oil Pump Intake	1	
3	36109932	O-Ring, 24.990 X 3.530 mm	1	
4	85470649	O-Ring, 19.30 X 2.20 mm	5	
5	36114106	Plug w/ Gasket, M22 -2.5 X 1.5	5	
6	23254964	Gasket, Oil Pan	1	
7	23254972	Pan, Oil	1	
8	24898934	Screw, Hex Flange M08-1.25 X 20	6	
9	24898959	Screw, Hex Flange M08-1.25 X 16	30	

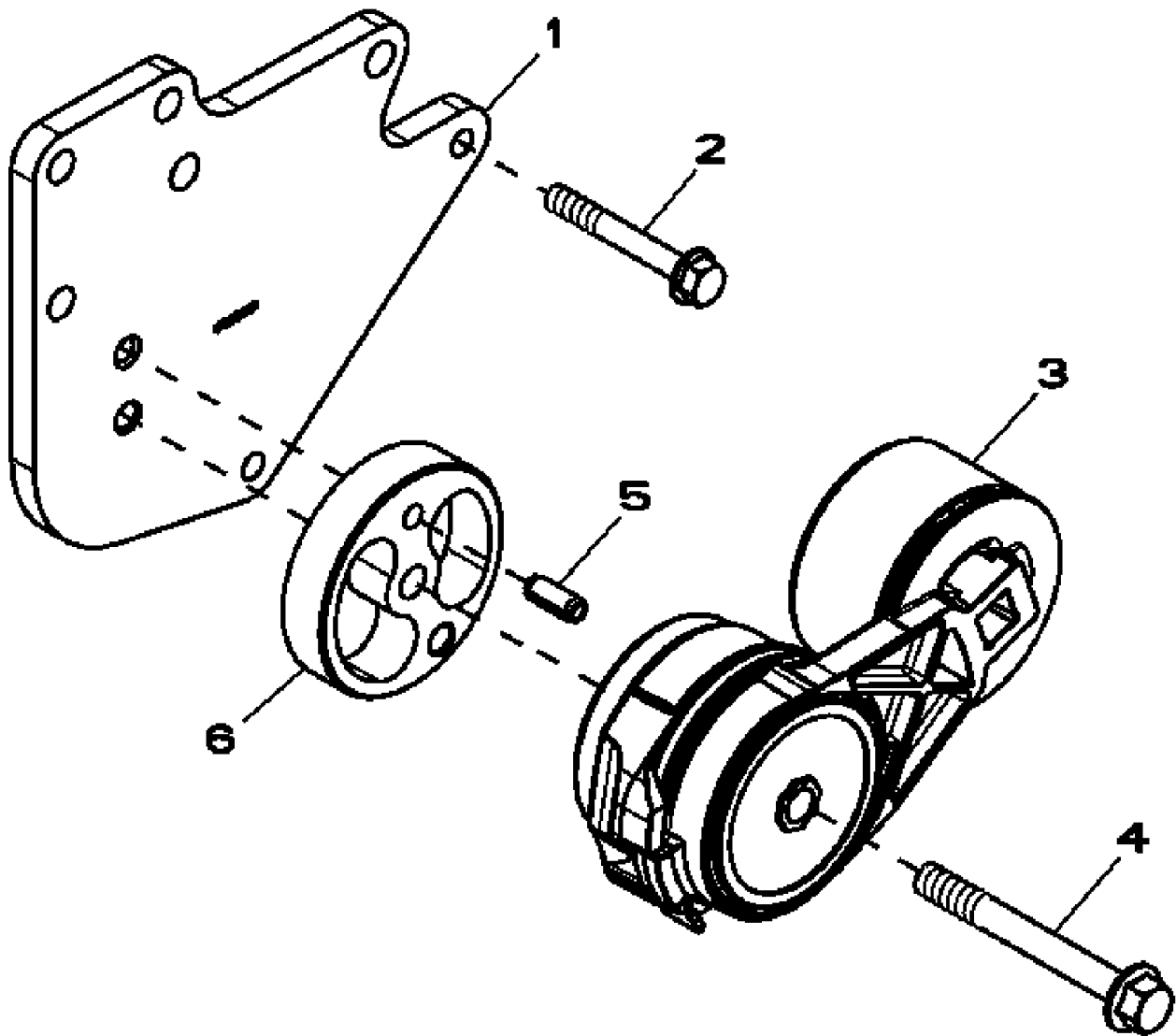
Fan Drive



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	85473700	Support, Fan Drive	1	
2	36102838	Ring, Snap	1	
3	24898843	Screw, Hex Flange M10-1.50 X 30	4	
4	36107480	Pulley, Fan	1	
5	18963595	Screw, Hex Flange M10-1.50 X 20	4	
6	23094170	V-Belt	1	
7	85472280	Spacer, Idler Pulley	1	
8	36114486	Pulley, Idle	1	
9	36103828	Sleeve, Idler Pulley	1	
10	24898876	Screw, Hex Flange M10-1.5 X 65	1	

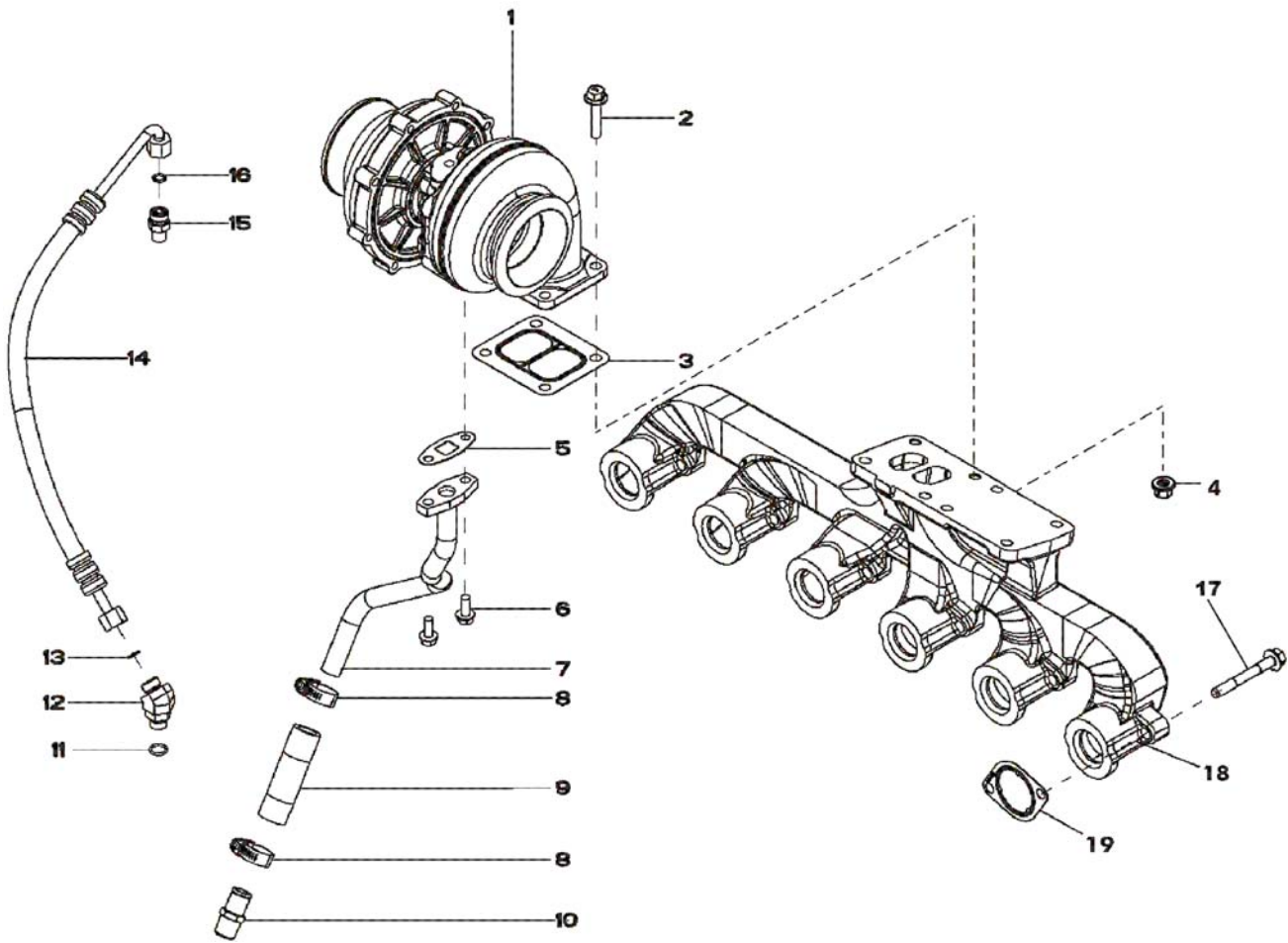
Belt Tensioner



23209273_02/08_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	

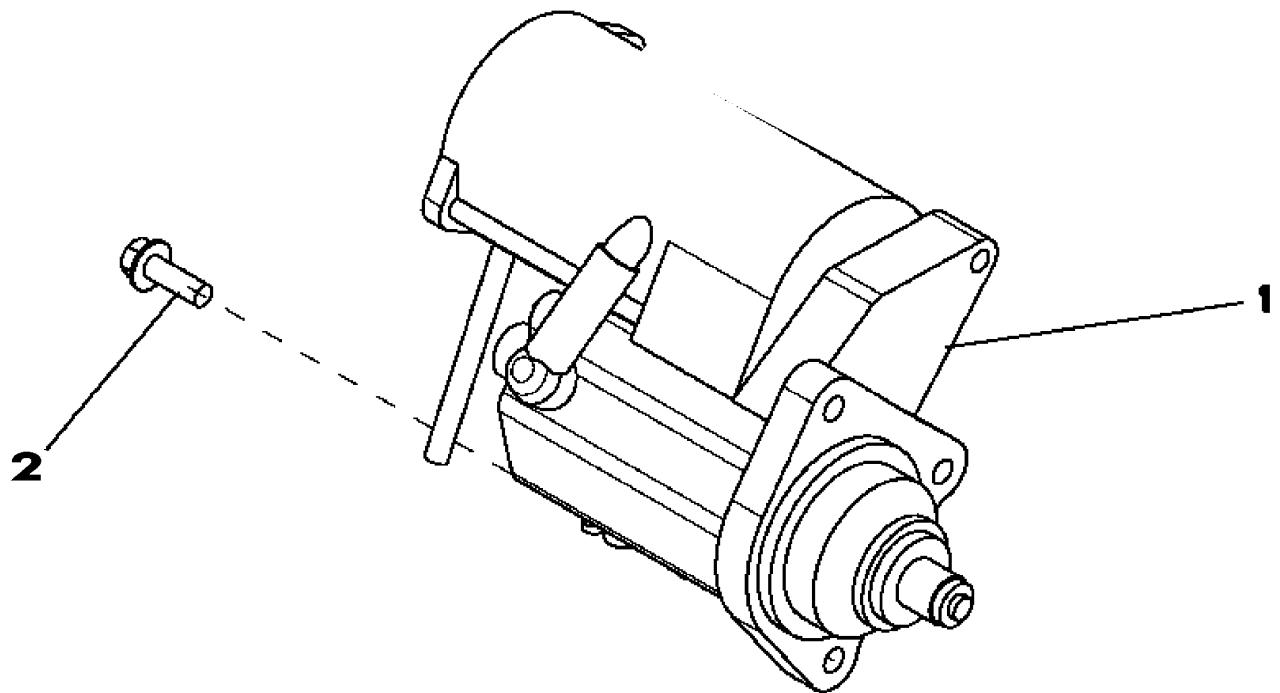
Exhaust Manifold and Turbocharger



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23019854	Turbocharger	1	
2	23017361	Screw, Hex Flange Cap	4	
3	36106755	Gasket, Turbo to Exhaust Manifold	1	
4	36100188	Nut, Hex Flange M10-1.5	4	
5	36106748	Gasket, Turbo to Oil Outlet	1	
6	23110497	Screw, Hex Flange M08-1.25 X 20	2	
7	23019920	Line, Turbo Drain	1	
8	36117885	Clamp, Hose	2	
9	23229859	Hose	1	
10	85474054	Fitting, 1/2"-14 NPTF X Hose	1	
11	85470615	O-Ring, 13.30 X 2.20mm	1	
12	85470581	Fitting, 45° Elbow	1	
13	36119808	O-Ring, 9.246 X 1.778 mm	1	
14	85473676	Line, Turbo Inlet Oil	1	
15	36103182	Adapter, 1/4"-18 NPT X 11/16"-16	1	
16	36110054	O-Ring, 9.246 X 1.778 mm	1	
17	23229776	Screw, Hex Flange M10-1.75 X 80	12	
18	23019482	Manifold, Exhaust	1	
19	23017395	Gasket, Exhaust Manifold	6	

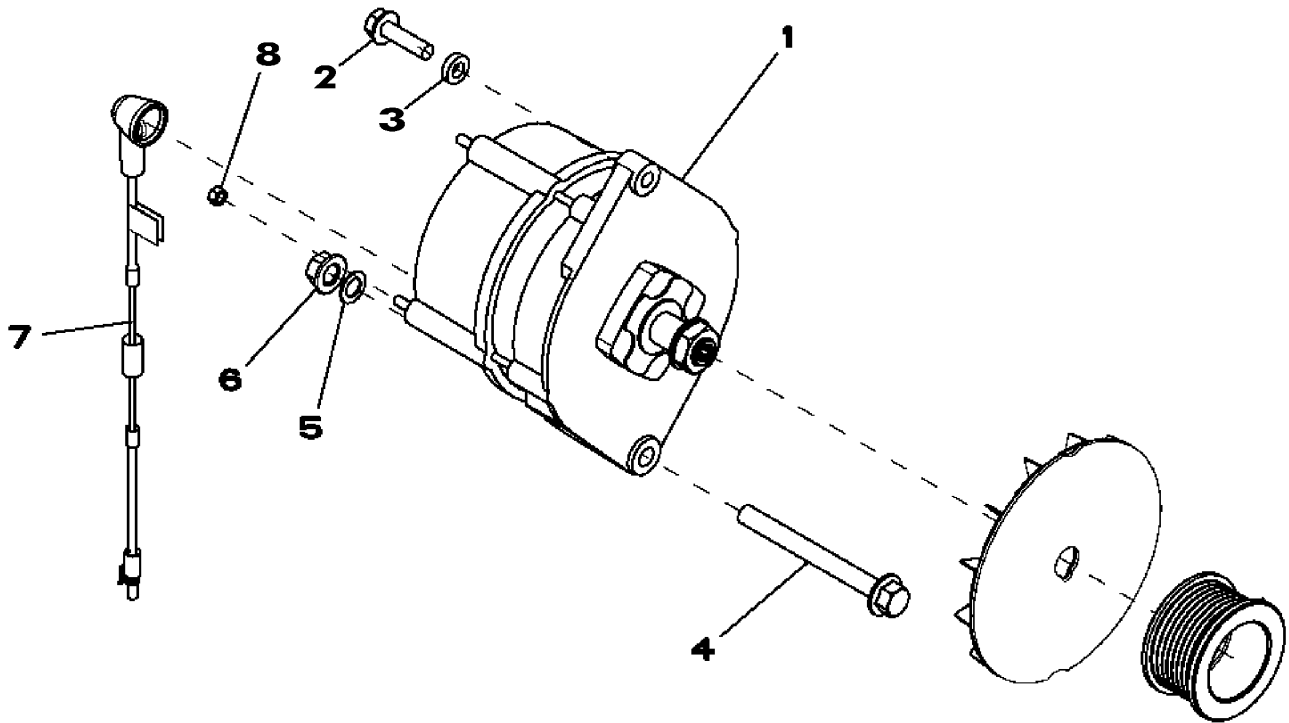
Starter



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22206213	Starter	1	
2	24898843	Screw, Hex Flange M10-1.50 X 30	3	

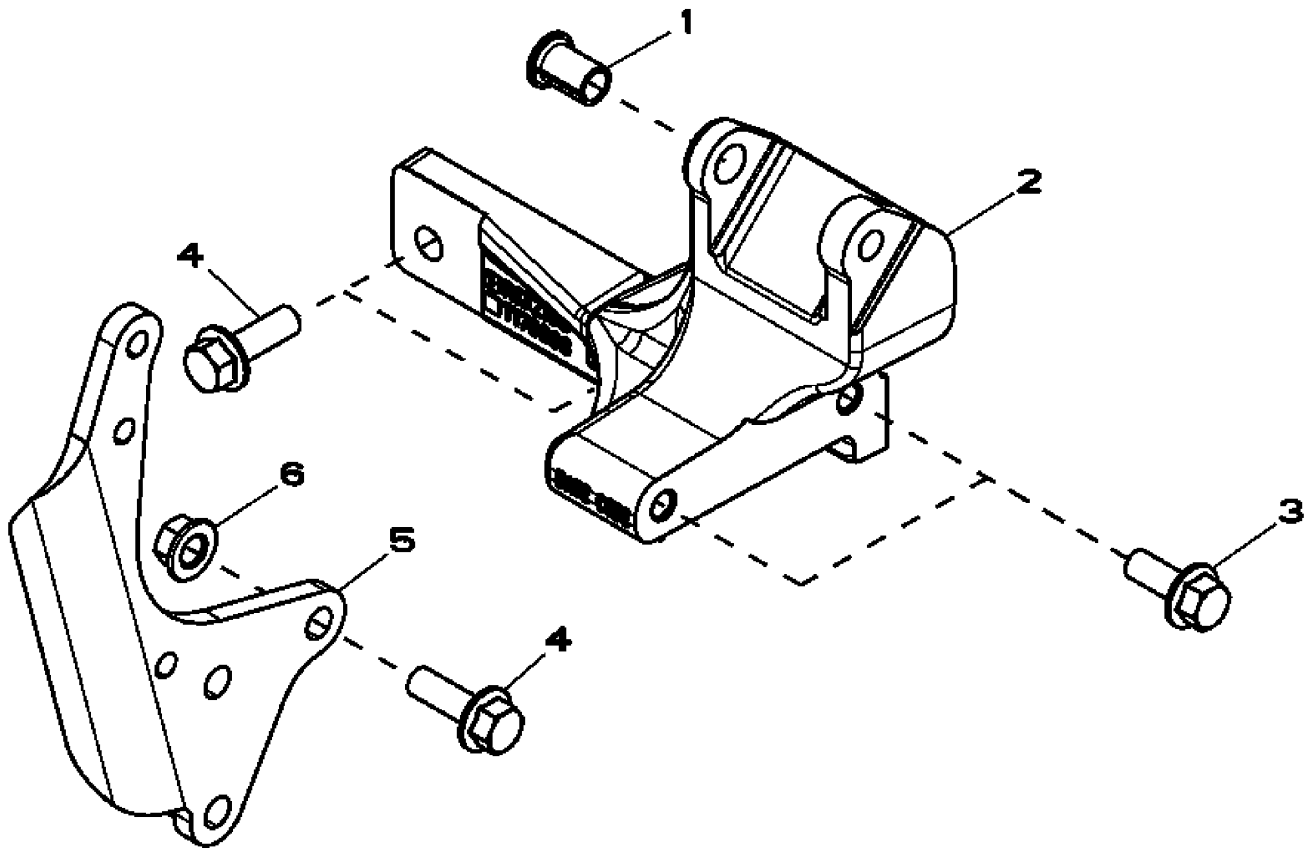
Alternator



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23229511	Alternator	1	
2	24898926	Screw, Hex Flange M08-1.25 X 30	1	
3	36920114	Washer, Flat M08	1	
4	24898884	Screw, Hex Flange M10-1.5 X 100	1	
5	36110112	Washer, ThrustT M10	1	
6	3610188	Nut, Hex Flange M10-1.5	1	
7	24899577	Harness, Alternator Wiring	1	
8	18963496	Nut, Hex M05-0.8	1	

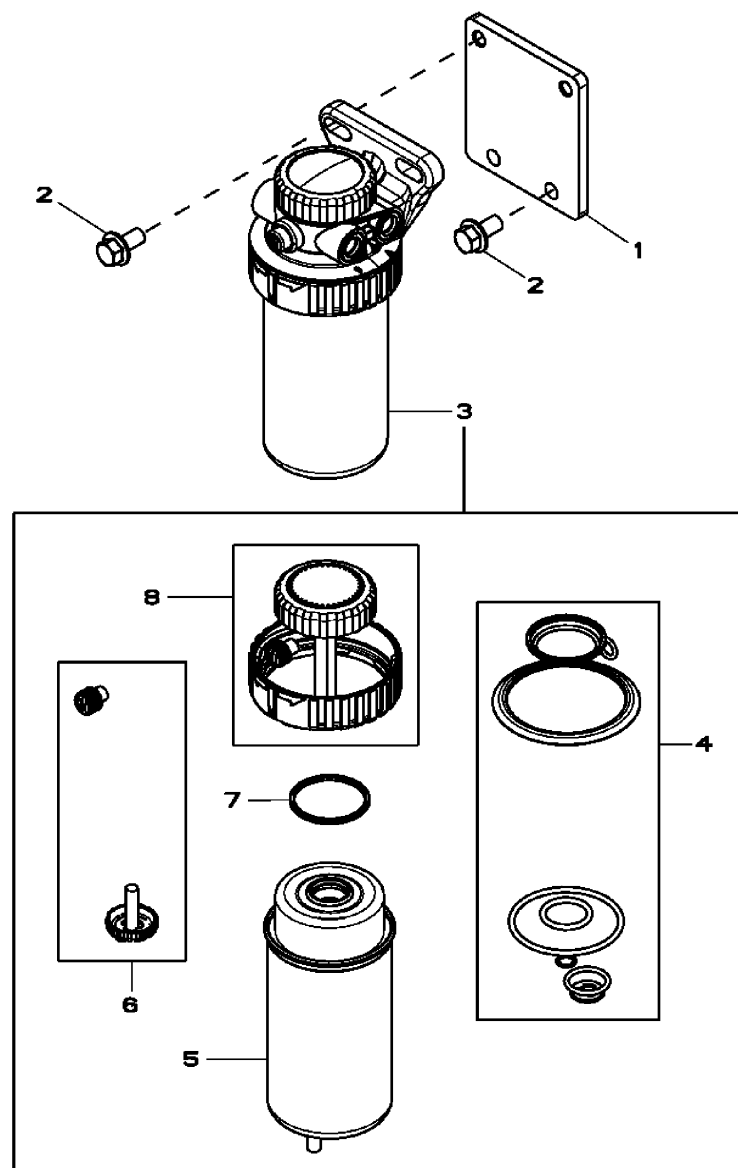
Alternator Mounts



23209273_02/08_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	24898843	Screw, Hex Flange M10-1.50 X 30	5	
5	36108074	Strap, Alternator Adjust	1	
6	36100188	Nut, Hex Flange M10-1.5	3	

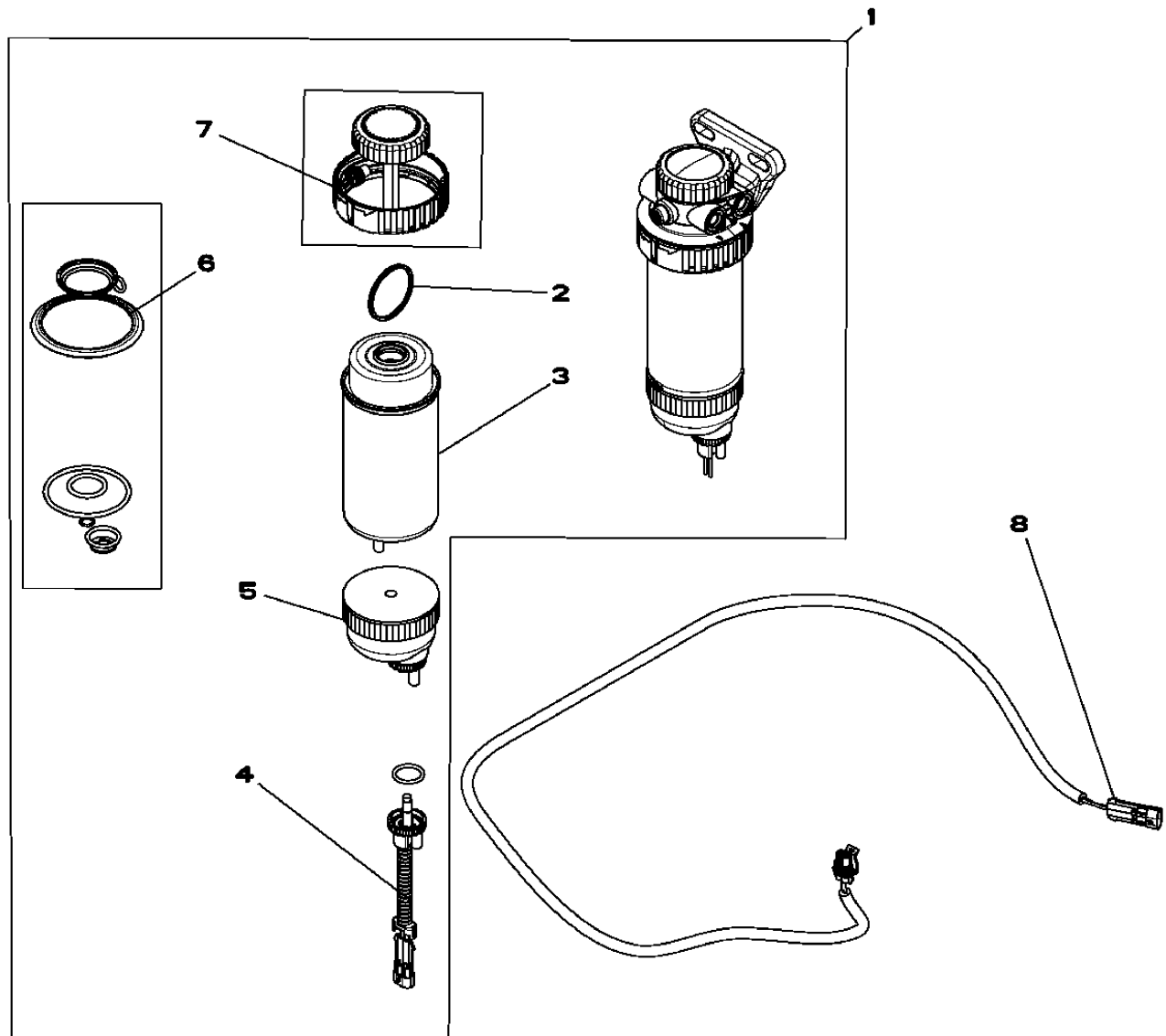
Final Fuel Filter



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	24899452	Bracket, Fuel Filter Mounting	1	
2	18963595	Screw, Hex Flange M10-1.50 X 20	4	
3	23018799	Filter Assembly, 6" Final Fuel	1	
4	36114445	Kit, Seal	1	
5	22969257	Element, Final Fuel Filter	1	
6	36116648	Kit, Fuel Filter Drain	1	
7	24899932	Kit, Fuel Filter Gasket	1	
8	36114536	Kit, Fuel Filter Seal	1	

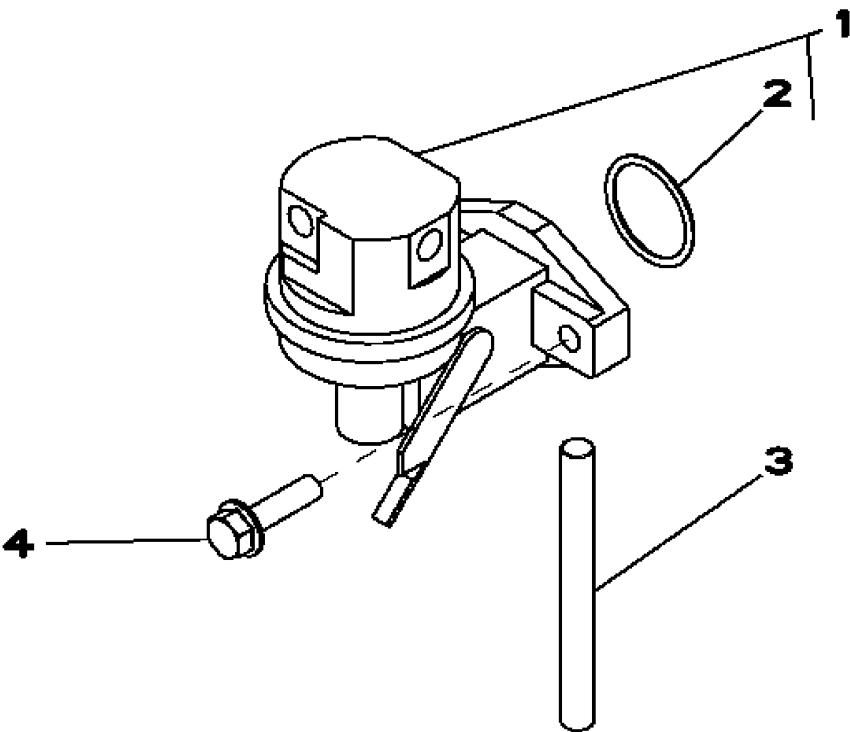
Primary Fuel Filter



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23230063	Filter Assembly, Primary Fuel	1	
2	24899932	Kit, Fuel Filter Gasket	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, Fuel Filter Wiring	1	

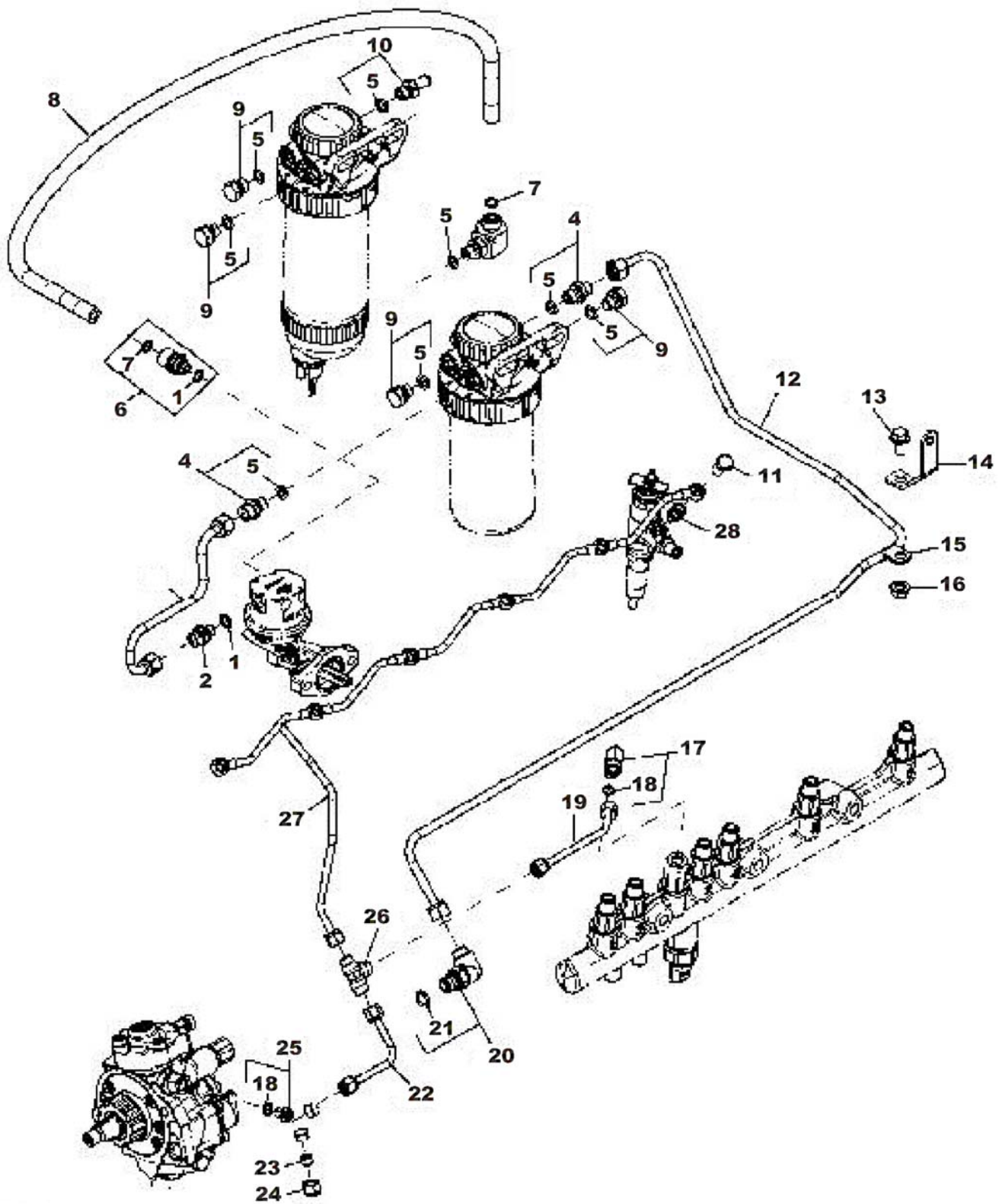
Fuel Transfer Pump



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23229982	Pump, Fuel Transfer	1	
2	36106102	O-Ring, 32.42 X 2.616 mm	1	
3	36108371	Rod, Push	1	
4	24899536	Screw, Hex Flange M08-1.25 X 30	2	

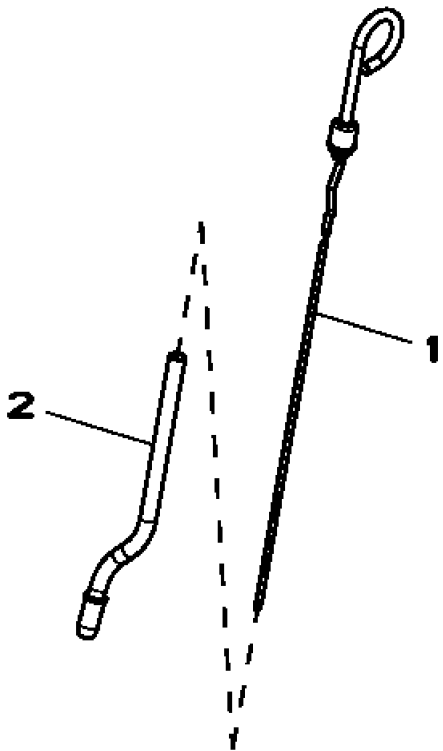
Fuel Lines



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	24899254	O-Ring, 10.10 X 1.60 mm	2	
2	24899247	Fitting, Flex Outlet	1	
3	24899882	Line, Fuel Pump to Fuel Filter	1	
4	36116242	Adapter w/ O-Ring	2	
5	36126019	O-Ring, 9.3 X 2.2 mm	8	
6	23229941	Fitting, Hose	1	
7	36119808	O-Ring, 9.246 X 1.778 mm	2	
8	23229925	Hose, Fuel Line	1	
9	36114098	Plug w/ Gasket, M12-1.75 X 1.5	1	
10	23018013	Fitting, Barbed Hose w/ O-Ring	1	
11	24899080	Screw, Hollow	6	
12	23019656	Line, Fuel	1	
13	22808786	Screw, Hex Flange M08-1.25 X 16	1	
14	36137586	Bracket	1	
15	36118750	Clamp, Fuel Line	1	
16	24898801	Nut, Hex Flange M08-1.25	1	
17	24899528	Fitting, 90° Elbow M10-1.5 X 1/2-24	1	
18	24899106	O-Ring, 8.10 X 1.60 mm	2	
19	23230030	Line, Fuel	1	
20	23230097	Fitting, 90° Elbow M14-2.0 X 9/16-24	1	
21	85470607	O-Ring, 11.30 X 2.20 mm	1	
22	23230238	Line, Fuel	1	
23	36101962	Plug w/ Sleeve	1	
24	36106821	Nut, Tube 1/2"-24	1	
25	23230048	Fitting	1	
26	36111912	Tee, Fitting	1	
27	23019896	Line, Fuel	1	
28	23019417	Washer, sealing	6	

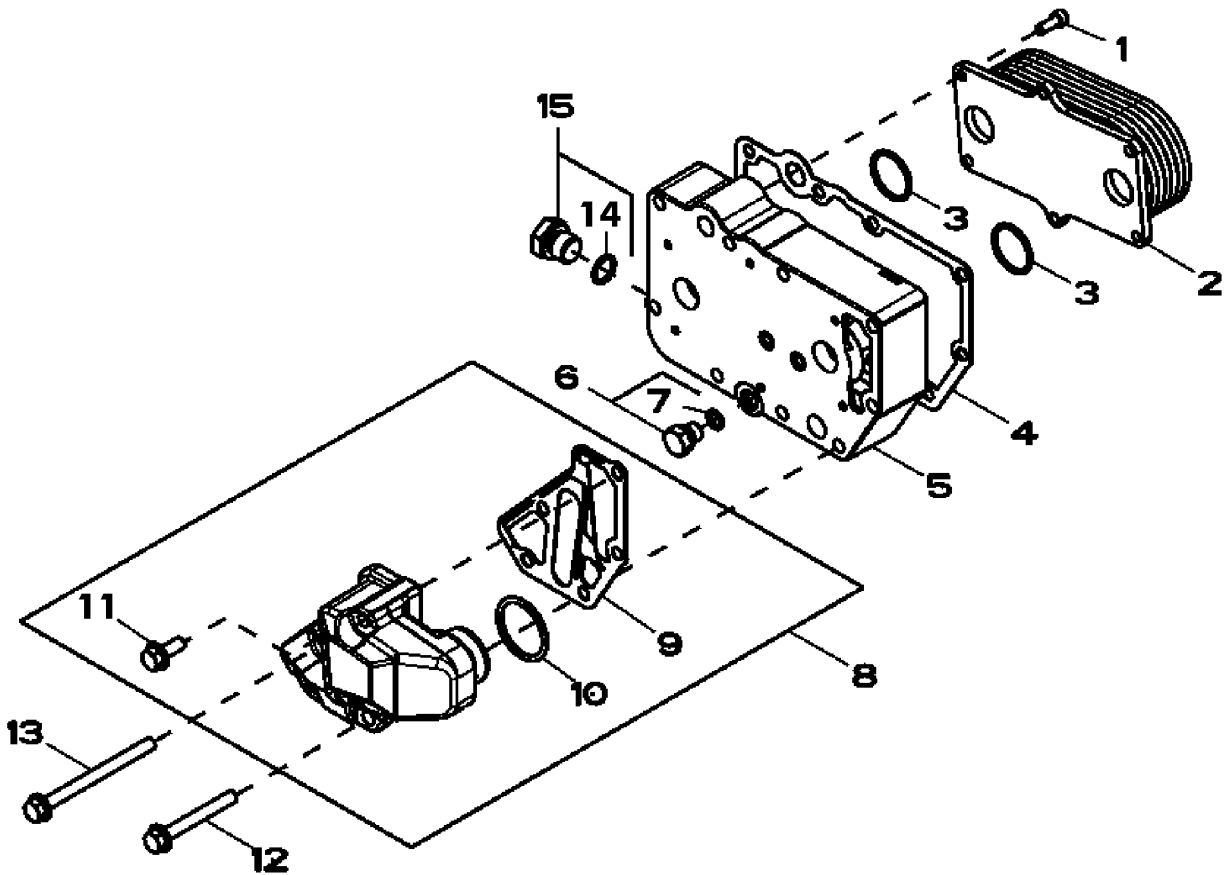
Dipstick



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

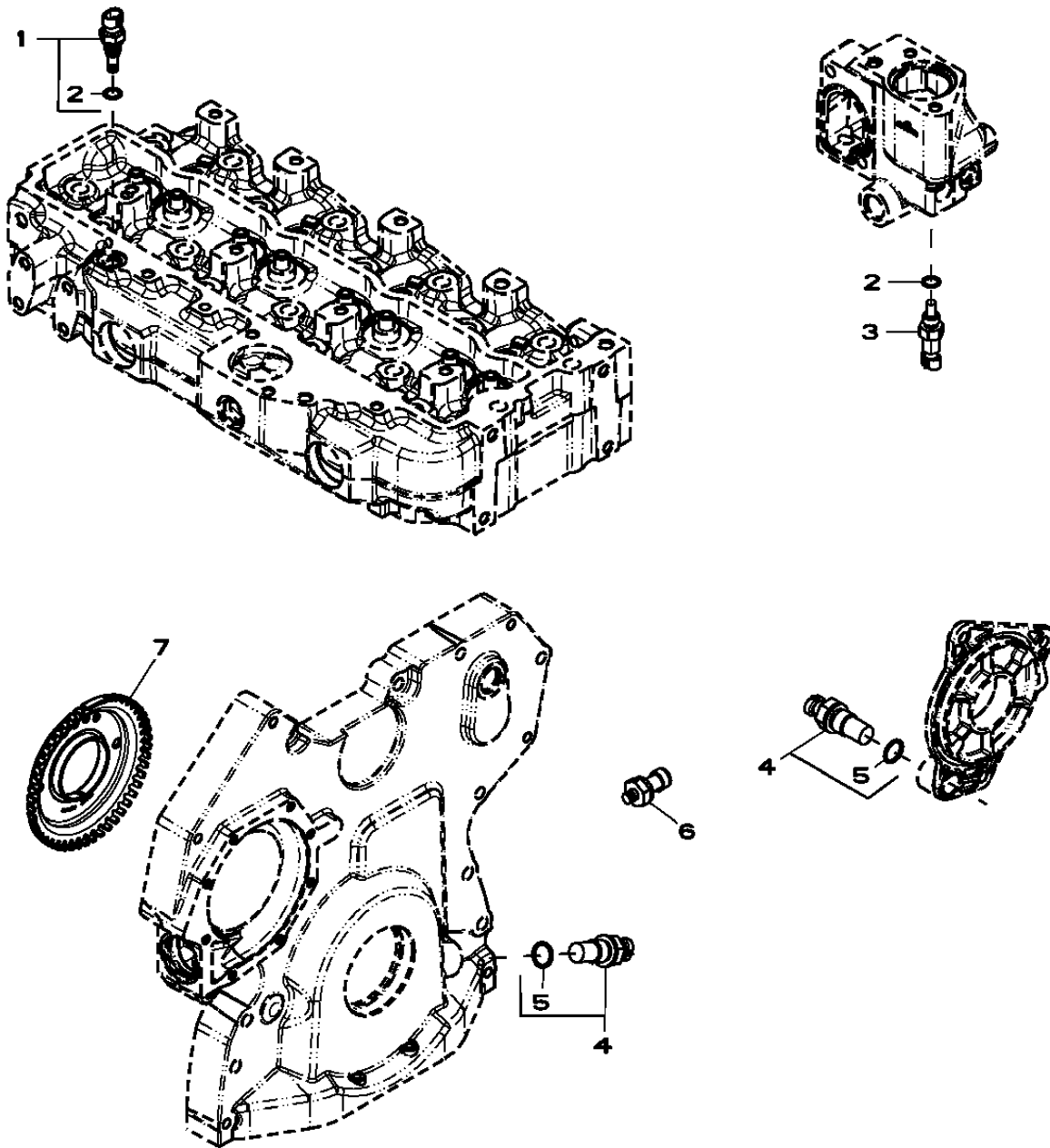
Oil Cooler



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36118131	Screw, Hex Socket Head 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	23019334	Housing, Oil Cooler	1	
6	36114098	Plug w/ Gasket, 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	36106615	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	18963819	Screw, Hex Flange M08-1.25 X 100	2	
14	85470623	O-Ring, 15.3 X 2.20 mm	1	
15	36114080	Plug w/ Gasket, M18-2.5 X 1.5	1	

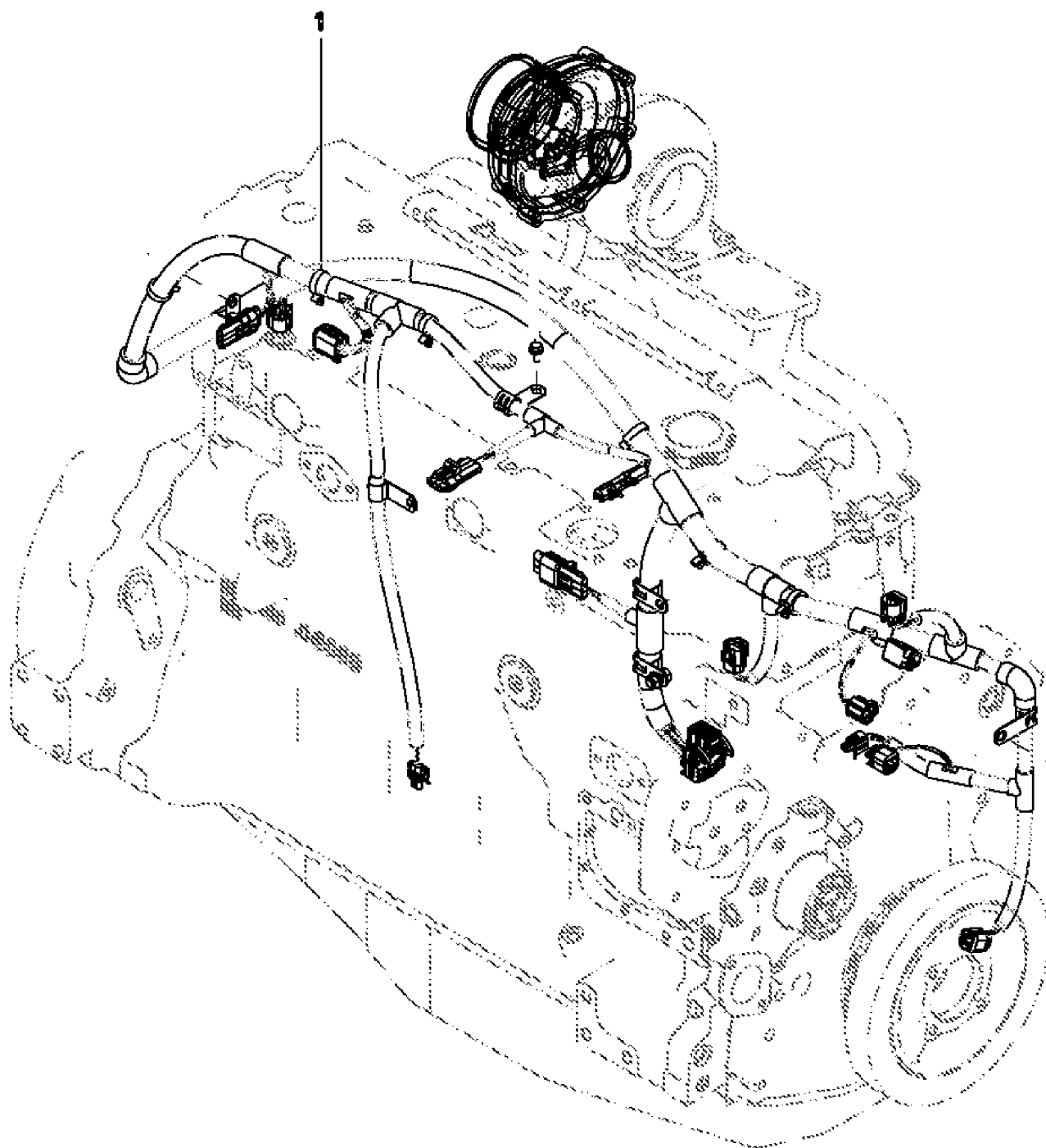
Sensors



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23230089	Thermocouple	1	
2	85470607	O-Ring, 11.30 X 2.20 mm	1	
3	22222590	Sensor, Coolant Temperature	1	
4	22222582	Sensor, Engine Speed	2	
5	85470631	O-Ring, 17.3 X 2.2 mm	2	
6	22222574	Sensor, Oil Pressure	1	
7	18964932	Wheel, Speed Sensor	1	

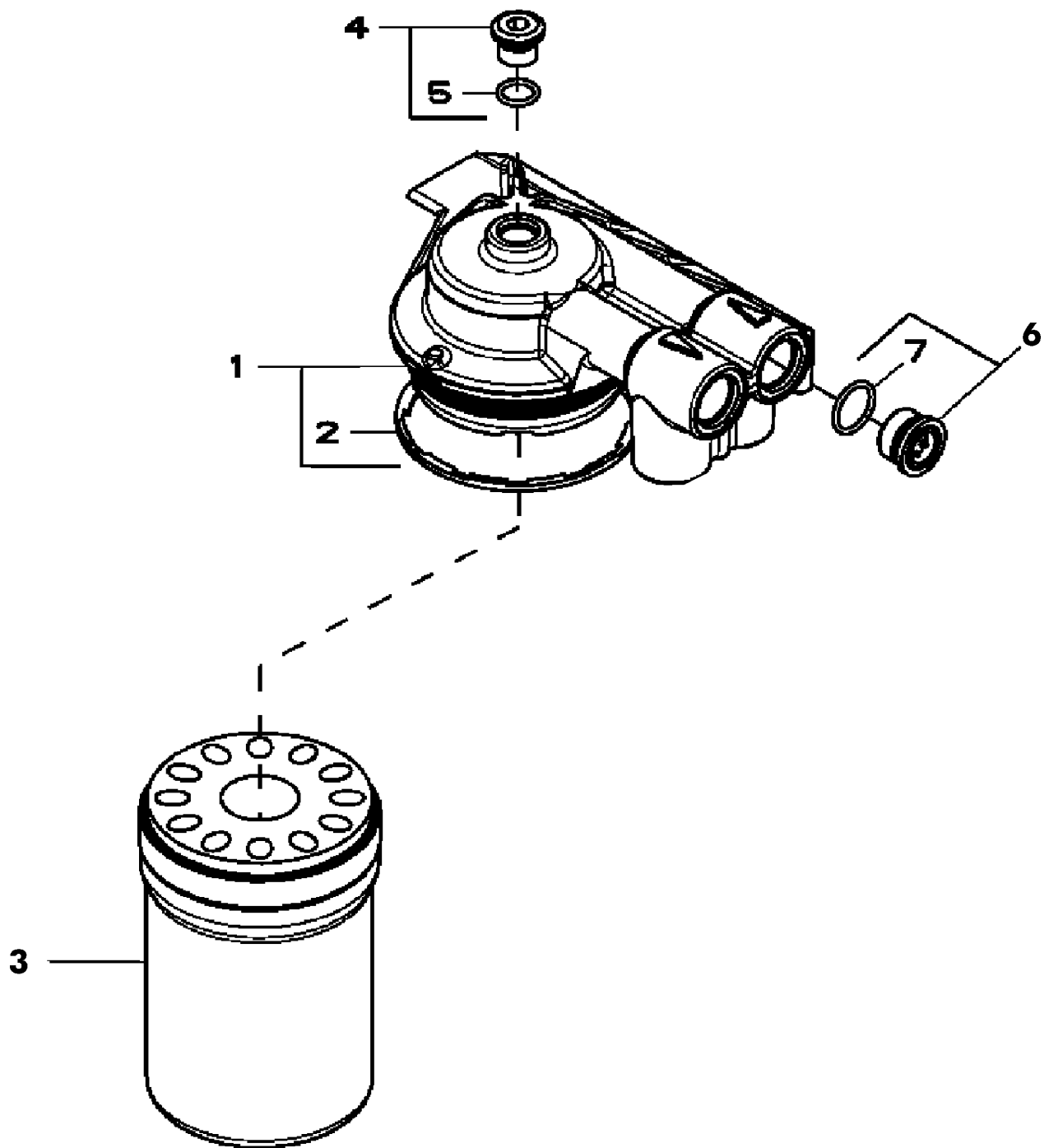
Engine Wiring Harness



23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23254998	Harness, Engine Wiring	1	

Oil Filter



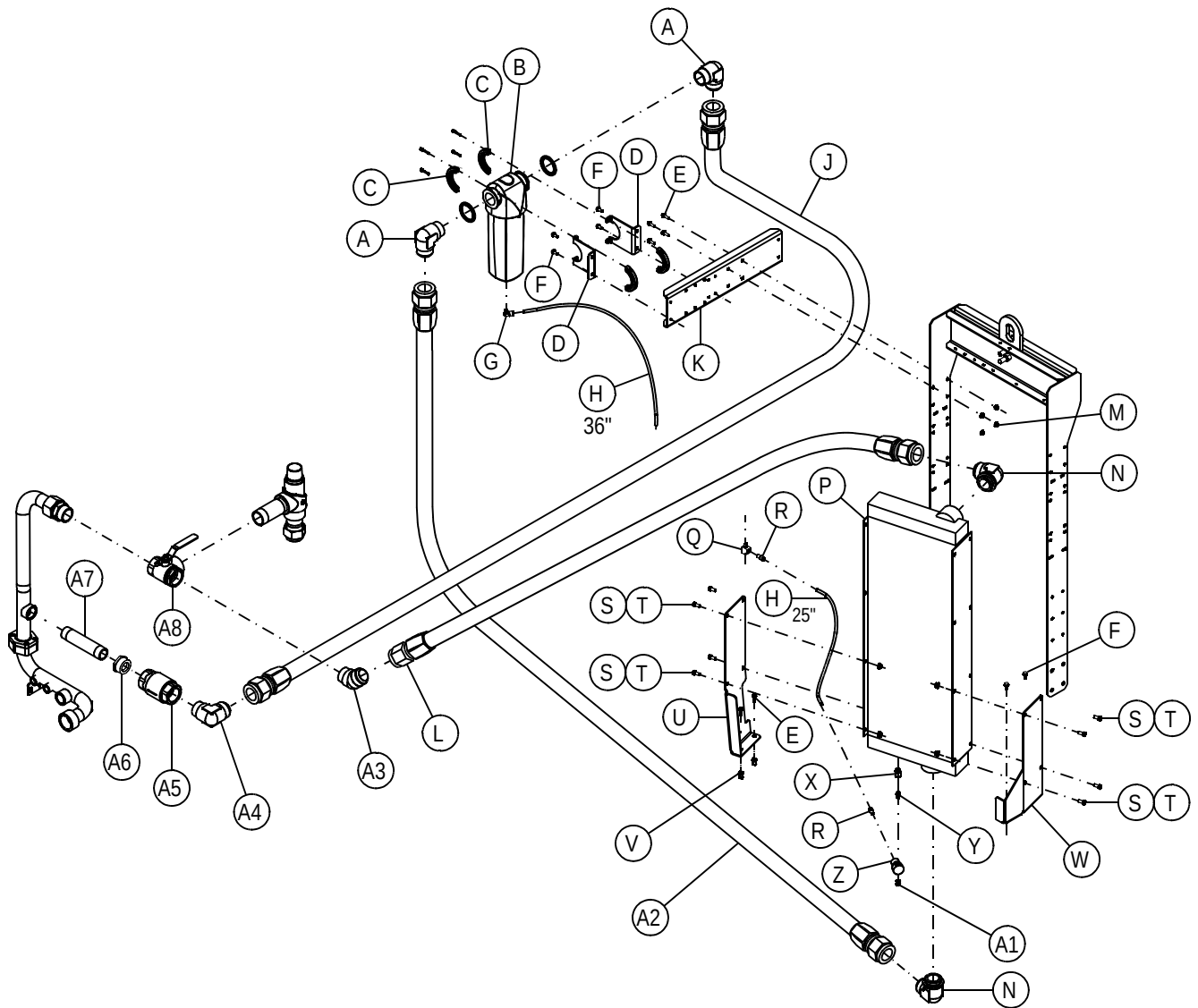
23209273_02/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	24899551	Head, Oil Filter	1	
2	24899304	Seal, Oil Filter Head Dust	1	
3	22206148	Element, Oil Filter	1	
4	85471811	Plug w/ O-Ring, Drain M16-2.0 X 1.5	1	
5	85470615	O-Ring, 13.30 X 2.20mm	1	
6	23229933	Plug, Drain M22-2.5 X 1.5	2	
7	85470649	O-Ring, 19.30 X 2.20 mm	2	



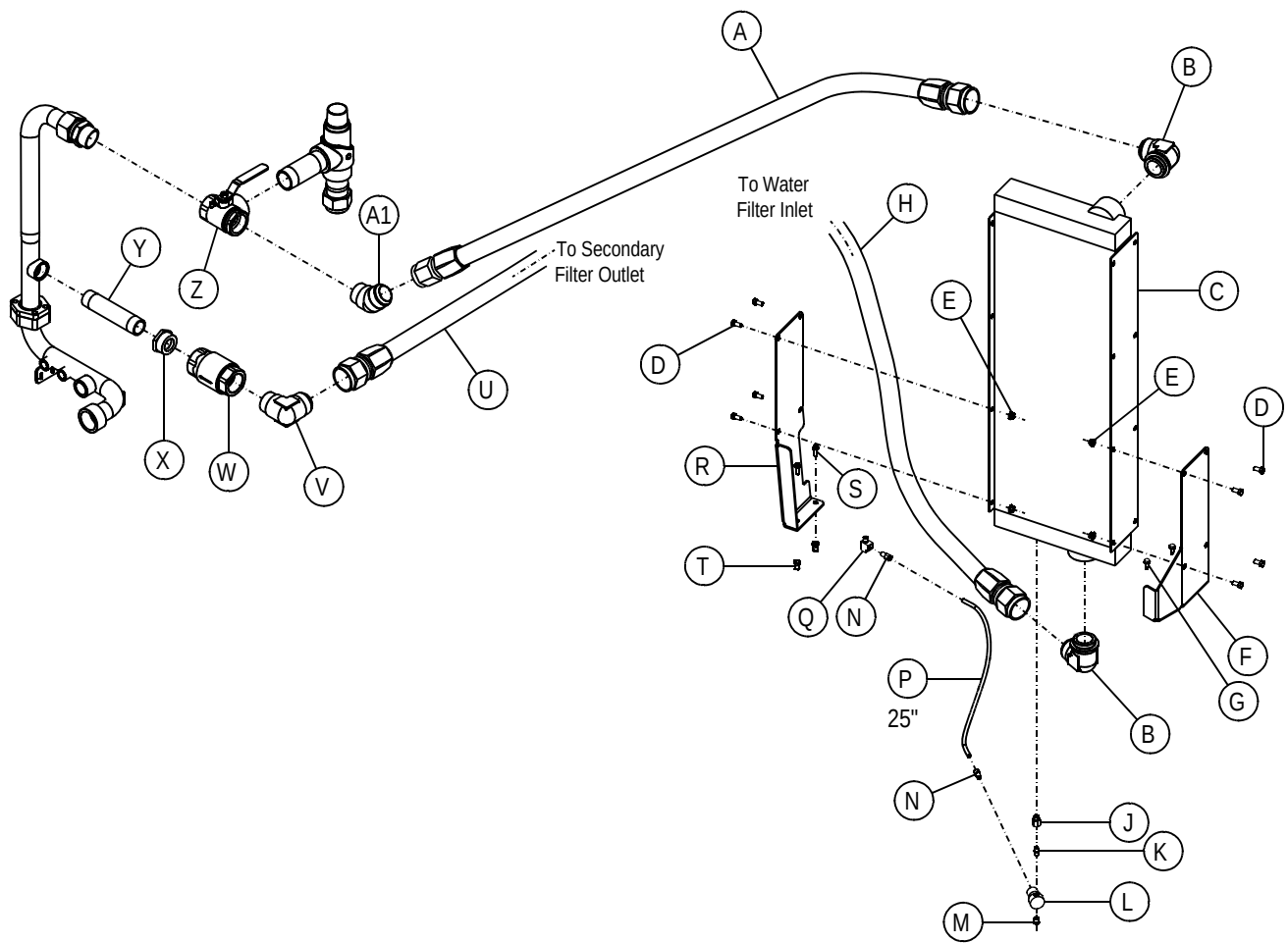
Section D - OPTION PARTS

Aftercooler and Water Separator



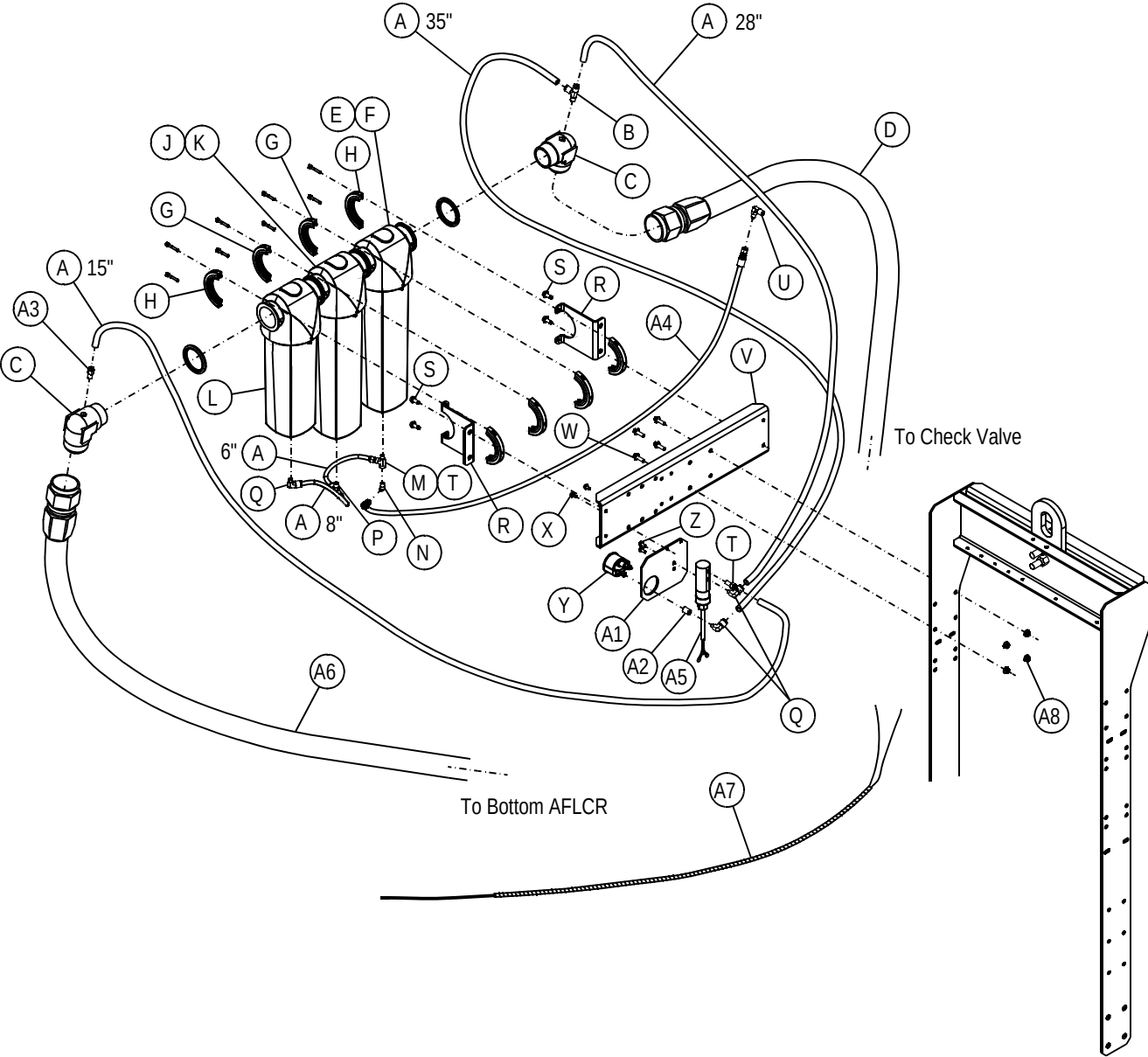
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95286910	Elbow, 90° 2" NPT X -32 JIC	2	D18
	95983292	Elbow, 90° 1.50" NPT X -32 JIC	2	D19 and D20
B	23193667	Filter, Water Separator	1	D18
	23186729	Filter, Water Separator	1	D19 and D20
C	23187420	Clamp, #4 Spacer (2 per package)	1	
D	23194210	Bracket, IQ Filter Support	2	
E	36889608	Screw, Hex Flange M12-1.75 X 25	6	
F	35279025	Screw, Tapping M08-1.25 X 20	6	
G	35370386	Elbow, 90° Male 1/8" NPT X 3/8" Tube	1	
H	35356484	Tubing, 3/8" Synflex	~	See Lengths Above
J	35141423	Hose Assembly	1	
K	54761630	Bracket, Filter Mounting	1	
L	35256122	Hose Assembly	1	
M	36881886	Nut, Hex Flange M12-1.75	4	
N	95944740	Elbow, 90° w/ O-Ring 2.50"-12 X -32 JIC	2	
P	23272420	Aftercooler	1	
Q	35114545	Tee, Street 1/4" NPT	1	
R	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	2	
S	96702279	Screw, Hex M10-1.50 X 20	8	
T	36879195	Nut, Hex Flange M10-1.5	8	
U	22218879	Bracket, Aftercooler CRBSD	1	
V	36895746	Nutsert, Hex M08	2	
W	22218861	Bracket, Aftercooler STSD	1	
X	35293687	Adapter, 9/16" to 1/4" w/ O-Ring	1	
Y	95944575	Nipple, 1/4" NPT X 7/8"	1	
Z	35322379	Valve, Blowdown	1	
A1	36766756	Muffler, Orifice .140"	1	
A2	35121763	Hose Assembly	1	
A3	95946190	Elbow, 45° X 2" NPT X -32 JIC	1	
A4	36786127	Elbow, 90° 2" NPT X -32 JIC	1	
A5	36920221	Valve, Ball Check 2" NPT	1	
A6	95937462	Bushing. Reducing 2" NPT to 1.5" NPT	1	
A7	95932836	Nipple, Long 1.50" NPT X 8"	1	
A8	36922987	Valve, 3 Way Ball	1	

Aftercooler Mounting



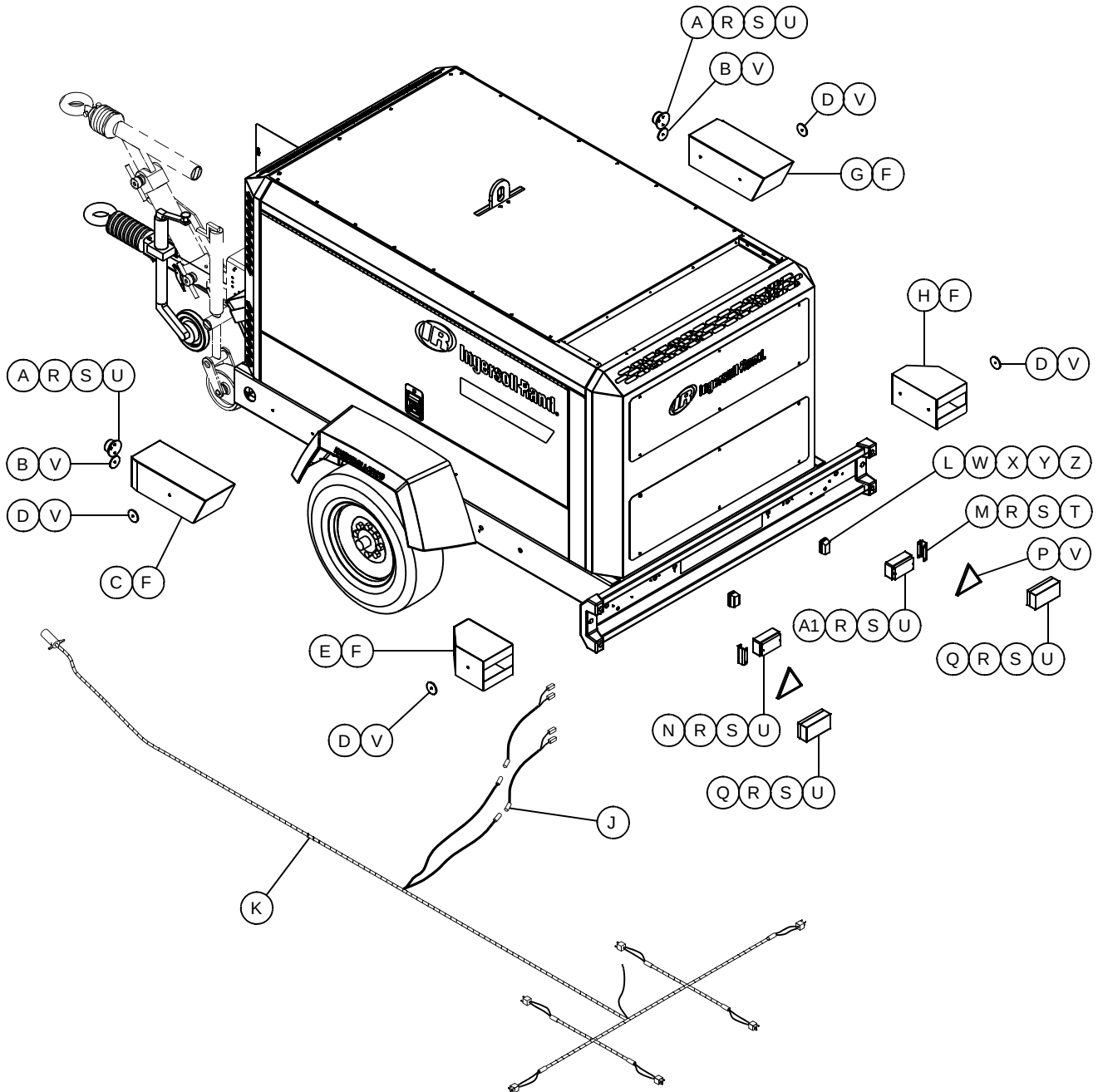
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35256122	Hose Assembly	1	See Lengths Above
B	95944740	Elbow, 90° w/ O-Ring 2.50"-12 X -32 JIC	2	
C	23272420	Aftercooler	1	
D	96702279	Screw, Hex M10-1.50 X 20	8	
E	36879195	Nut, Hex Flange M10-1.5	8	
F	22218861	Bracket, Aftercooler STSD	1	
G	35279025	Screw, Tapping M08-1.25 X 20	2	
H	35121763	Hose Assembly	1	
J	35293687	Adapter, 9/16" to 1/4" w/ O-Ring	1	
K	95944575	Nipple, 1/4" NPT X 7/8"	1	
L	35322379	Valve, Blowdown	1	
M	36766756	Muffler, Orifice .140"	1	
N	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	2	
P	35356484	Tubing, 3/8" Synflex	~	
Q	35114545	Tee, Street 1/4" NPT	1	
R	22218879	Bracket, Aftercooler CRBSD	1	
S	36889608	Screw, Hex Flange M12-1.75 X 25	2	
T	36895746	Nutsert, Hex M08	2	
U	35141423	Hose Assembly	1	
V	36786127	Elbow, 90° 2" NPT X -32 JIC	1	
W	36920221	Valve, Ball Check 2" NPT	1	
X	95937462	Bushing. Reducing 2" NPT to 1.5" NPT	1	
Y	95932836	Nipple, Long 1.50" NPT X 8"	1	
Z	36922987	Valve, 3 Way Ball	1	
A1	95946190	Elbow, 45° X 2" NPT X -32 JIC	1	

IQ Filter Mount



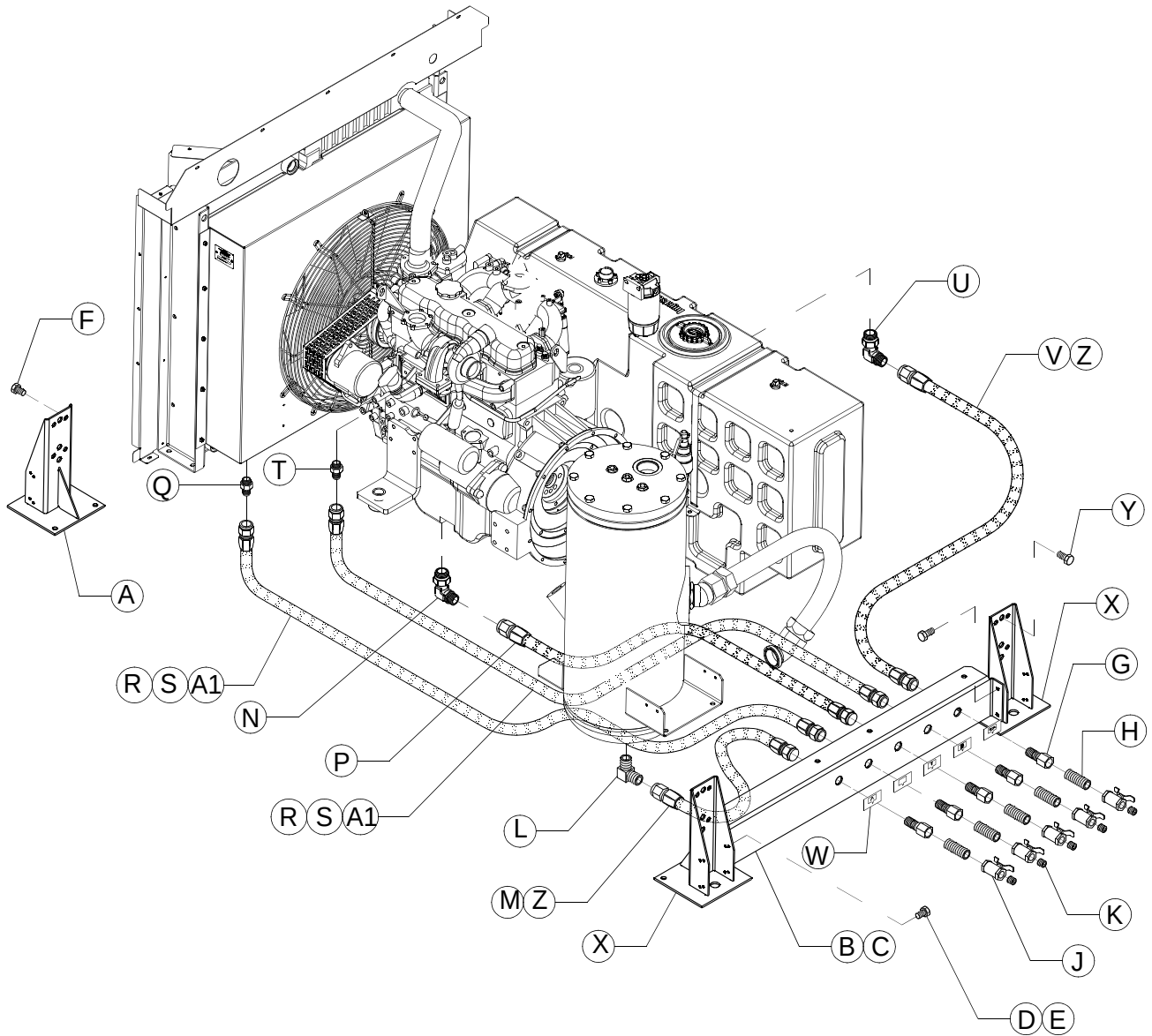
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356484	Tubing, 3/8" Synflex	~	See Lengths Above
B	35369503	Tee, Male Run 1/4" NPT X 3/8" Tube	1	
C	23272774	Elbow, 90° 2" NPT X -32 JIC w/ 1/4" NPT Port	2	D18
	22225361	Elbow, 90° 1.50" NPT X -32 JIC w/ 1/4" NPT Port	2	D19 and D20
D	35141423	Hose Assembly	1	
E	23193683	Filter, Secondary	1	D18
	23186752	Filter, Secondary	1	D19 and D20
F	23212509	Element, Secondary Filter	1	D18
	23186018	Element, Secondary Filter	1	D19 and D20
G	23187388	Clamp, #4 w/ O-Ring	2	
H	23187420	Clamp, #4 Spacer (2 per package)	1	
J	23193675	Filter, Primary	1	D18
	23186737	Filter, Primary	1	D19 and D20
K	23212491	Element, Primary Filter	1	D18
	23185994	Element, Primary Filter	1	D19 and D20
L	23193667	Filter, Water Separator	1	D18
	23186729	Filter, Water Separator	1	D19 and D20
M	39127287	Tee, 1/8" NPT Street	1	
N	95302170	Elbow, 45° X 1/8" NPT X -4 JIC	1	
P	35369396	Tee, Male Run 1/8" NPT X 3/8" Tube	1	
Q	35370386	Elbow, 90° Male 1/8" NPT X 1/8" NPT	3	
R	23194210	Bracket, IQ Filter Support	2	
S	35279025	Screw, Tapping M08-1.25 X 20	4	
T	35379700	Connector, 1/8" NPT X 3/8" Tube	2	
U	35283464	Elbow, 90° 1/4" NPT X -4 JIC	1	
V	54761630	Bracket, Filter Mounting	1	
W	36889608	Screw, Hex Flange M12-1.75 X 25	4	
X	36797652	Screw, Tapping M06-1.0 X 12	2	
Y	36891216	Gauge, 250 PSI Pressure	1	
Z	95934774	Screw, Hex 1/4"-20 X 1/2"	2	
A1	23194970	Gauge, Plate	1	
A2	95935599	Coupling, 1/8" NPT X .75"	1	
A3	35369347	Connector, Male 1/4" NPTF X 3/8" Tube	1	
A4	35306661	Hose Assembly, -4 JIC X 94"	1	
A5	36899615	Indicator, Pressure Differential	1	
A6	35121763	Hose Assembly	1	
A7	22293484	Harness, IQ Optin	1	
A8	36881886	Nut, Hex Flange M12-1.75	4	

Brake Lights with Reverse Light



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	92121250	Light, Front Side	2	
B	92085729	Reflector, White	2	
C	54715891	Pod, LH Front Side	1	
D	92121243	Reflector, Amber	4	
E	22074538	Pod, LH Rear Side	1	
F	35279025	Screw, Tapping M08-1.25 X 20	8	
G	54716592	Pod, RH Front Side	1	
H	22084024	Pod, RH Rear Side	1	
J	54477740	Harness, Front Side	2	
~	46501557	Bar Assembly, Bumper/Light	1	
K	22473454	Harness, Rear Bumper	1	
L	92901230	Lamp, Registration Plate	2	
M	22073183	Bracket, Triangle Spacer	2	
N	93477388	Lamp, Rear Fog	1	
P	92721331	Triangle, Reflector Warning	2	
Q	92901222	Lamp, Stop / Tail / Direction	2	
R	92304583	Washer, M05 Flat	20	
S	92304492	Nut, Hex M05-0.8	20	
T	96705728	Screw, Hex M05-0.8 X 16	4	
U	96743265	Screw, Hex Socket Cap M05-0.8 X 16	16	
V	92271915	Rivet, 3/16" X 1/2"	10	
W	96703756	Nut, Hex M04-0.7	4	
X	96745237	Washer, M04 Lock	4	
Y	96705173	Screw, Hex M04-0.7 X 16	4	
Z	96705165	Washer, M04 Flat	4	
A1	23212863	Lamp, Reverse	1	

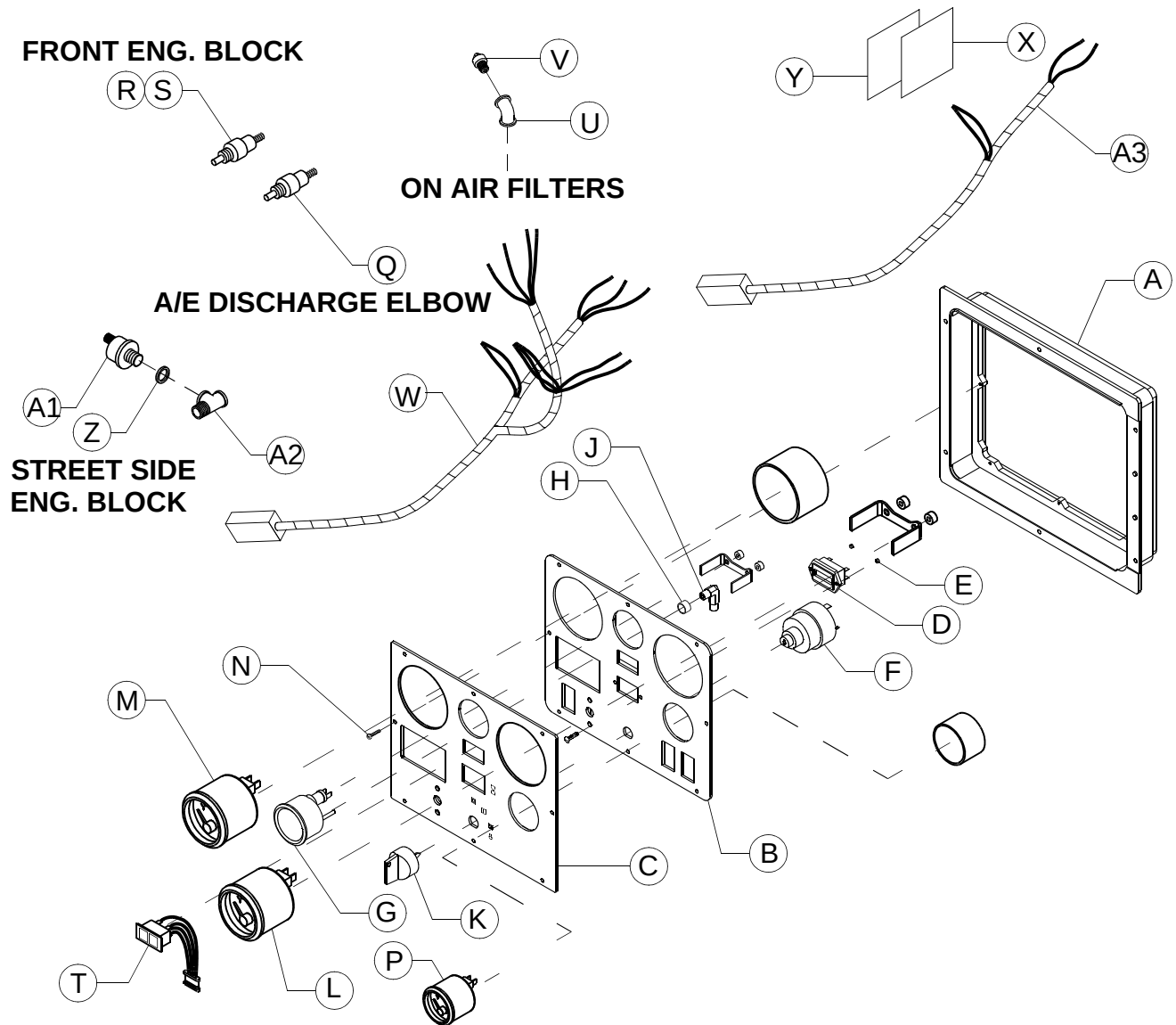
Central Drains



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36882355	Support, Rear	4	
B	22072318	Bracket, Central Drains	1	
C	36879302	Screw, Hex M16-2.0 X 50	2	
D	36889608	Screw, Hex Flange M12-1.75 X 25	4	
E	36881886	Nut, Hex Flange M12-1.75	4	
F	36888055	Screw, Hex Flange M12-1.75 X 30	8	
G	35287747	Bulkhead, Fitting	5	
H	95928040	Nipple, Close 3/4	5	
J	36777399	Valve, Ball 3/4 T-Handle	5	
K	95947149	Plug, Hex Counter Sink	5	
L	36885093	Elbow, -12 JIC O-Ring	1	
M	35323799	Hose Assembly, -12JIC X 27"	1	
N	22869143	Elbow, M22-2.5 X -12 JIC	1	
P	35290378	Hose Assembly, -12 JIC X 68"	1	
Q	35287895	Connector, 9/16-18 X -8 JIC	1	
R	35305499	Hose Assembly, -8 JIC X 112"	1	
S	35225077	Clamp, 9/16" Rubber Support	10	
T	35283134	Connector, 1/4 NPT X -8 JIC	1	
U	35294750	Elbow, 1.06 SAE X -12 JIC	1	
V	35376110	Hose Assembly, -12JIC X 54"	1	
W	54629977	Decal, Central Drain	1	
X	22198238	Support, Front	1	
Y	36763670	Screw, Hex M20-2.5 0 X 60	4	
Z	35225085	Clamp, Hose 15/16"	3	
A1	35365774	Reducer, 1/2" Tube X3/4"	2	

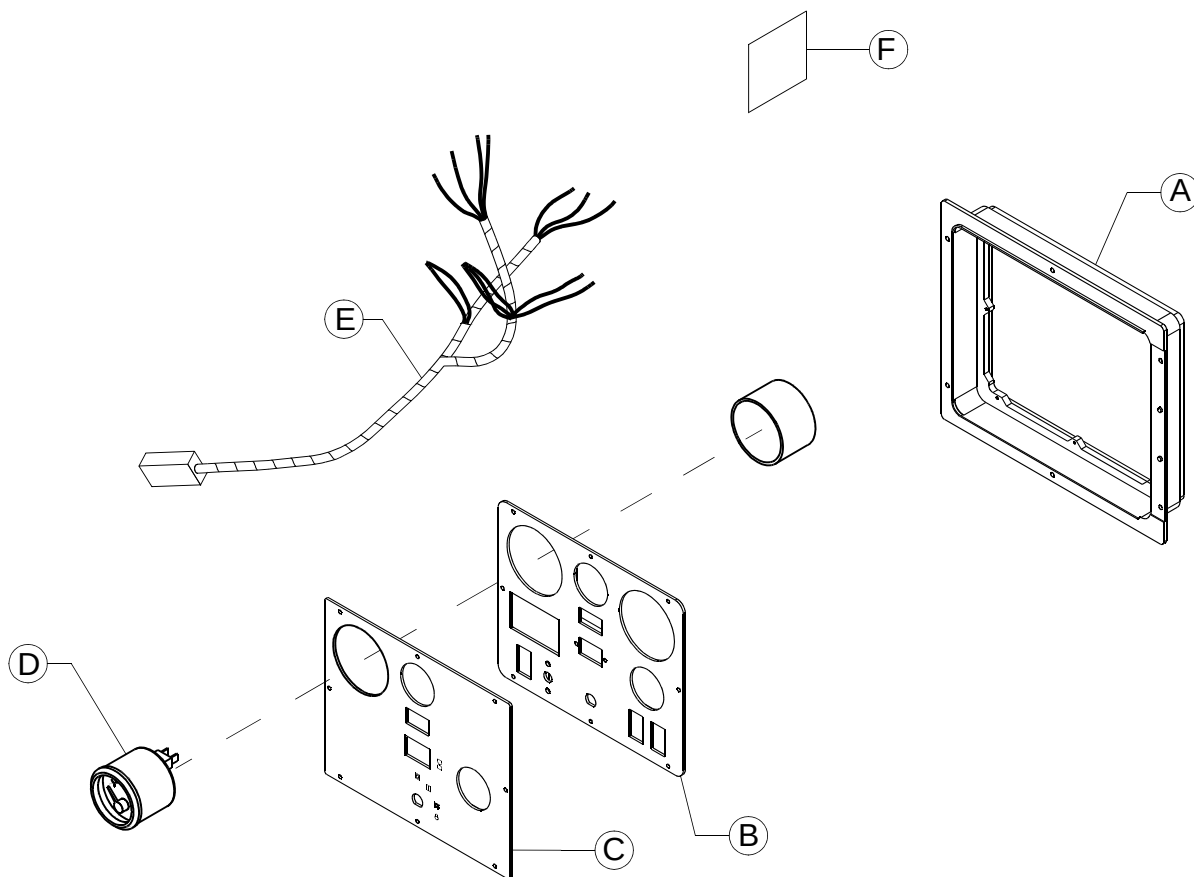
Full Gauge Panel



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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	22054175	Meter, Electric / Mechanical Hour	1	
E	22054159	Nut, Plastic #4-40	2	
F	22127385	Switch, Ignition	1	
G	36891216	Gauge, 250 PSI Pressure	1	
H	95935599	Coupling, 1/8" NPT X .75"	1	
J	35370386	Elbow, 90° Male 1/8" NPT X 1/8" NPT	1	
K	22134118	Knob Assembly	~	
L	22255046	Gauge, 4 in 1	1	
M	22055883	Tachometer	1	
N	22070494	Screw, Pan Head #8-32 X 5/8"	8	
P	22050991	Gauge, Fuel Level	1	
Q	35367218	Sender, Discharge Temperature	1	
R	35372457	Sender, Engine Temperature	1	
S	35278571	O-Ring	1	
T	22172423	Module, 2 Light Warning	1	
U	95956199	Elbow, Street 1/8" NPT X 45°	1	
V	36847838	Switch, Vacuum	1	
W	22251896	Harness, Option Wiring	1	
X	22530748	Laminate, Option Wiring Diagram	1	
Y	22530797	Laminate, AFRI Option Wiring Diagram	1	
Z	35278571	O-Ring	1	
A1	36780608	Sender, Oil Pressure	1	
A2	39127287	Tee, 1/8" NPT Street	1	
A3	22251904	Harness, Air Filter Restriction	1	

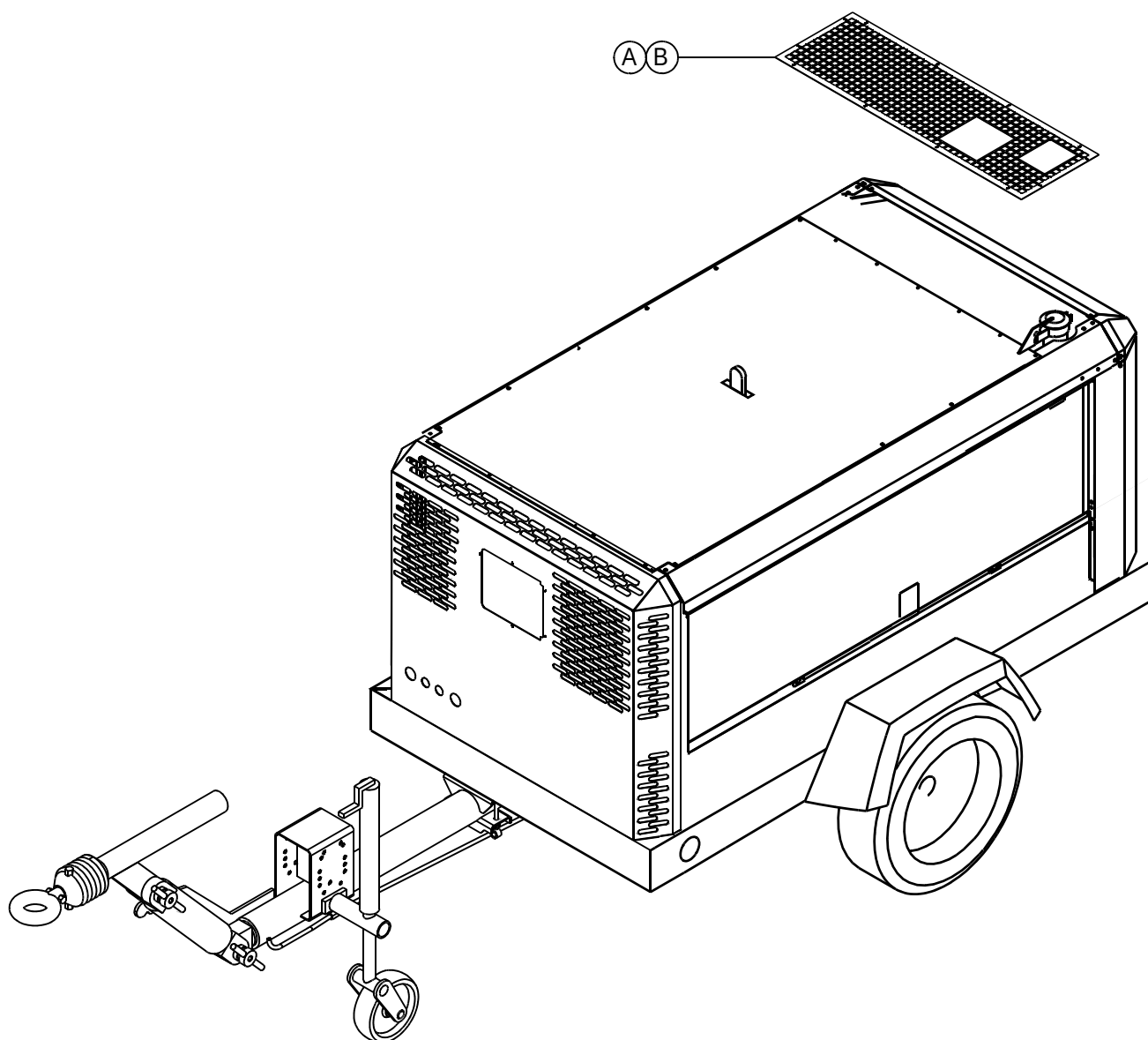
Tachometer Panel



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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	22251896	Harness, Option Wiring	1	
F	22530748	Laminate, Option Wiring Diagram	1	

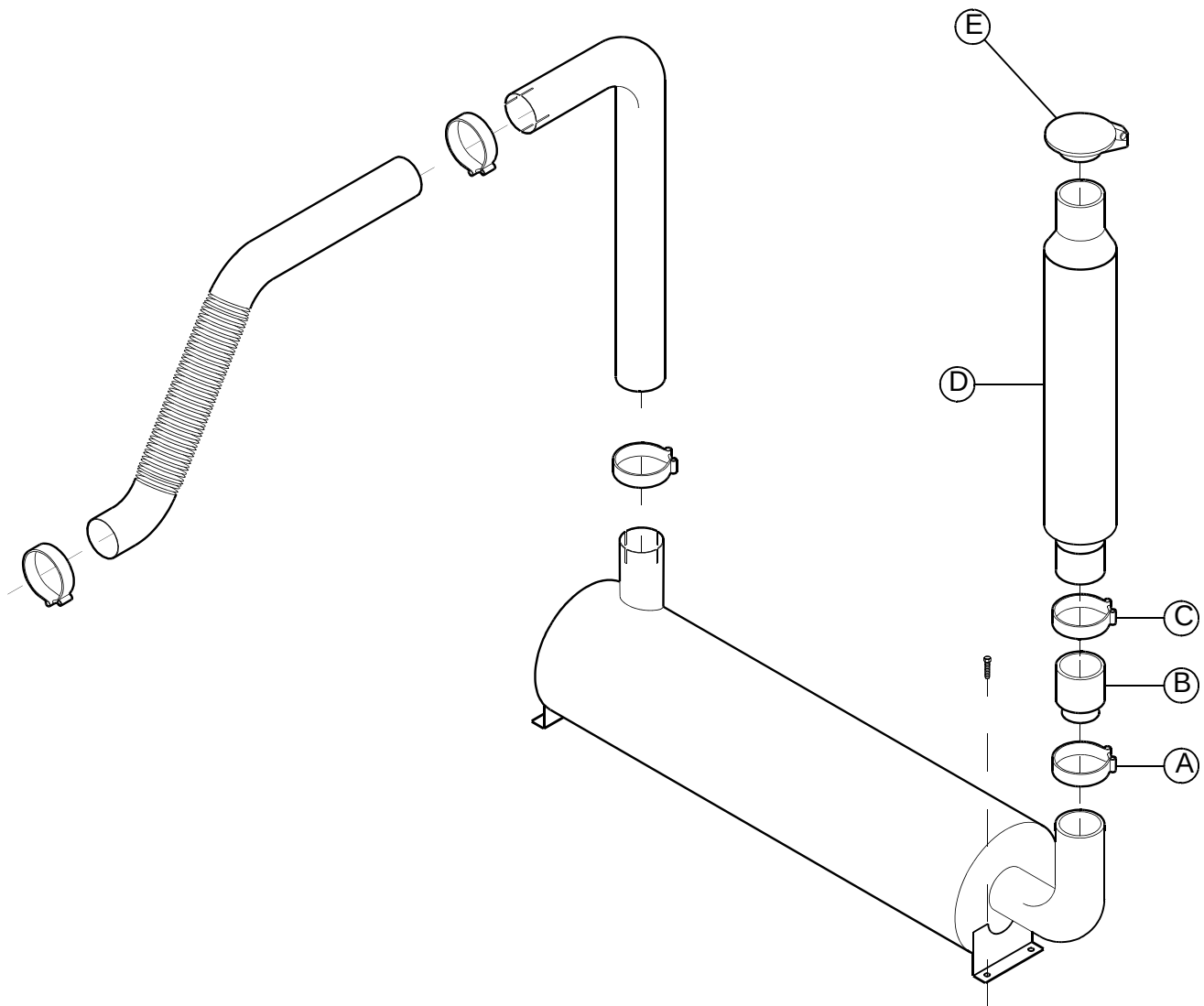
Exhaust Grille



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22715502	Panel, Exhaust Grille	1	
B	36797652	Screw, Tapping M06-1.0 X 12	10	

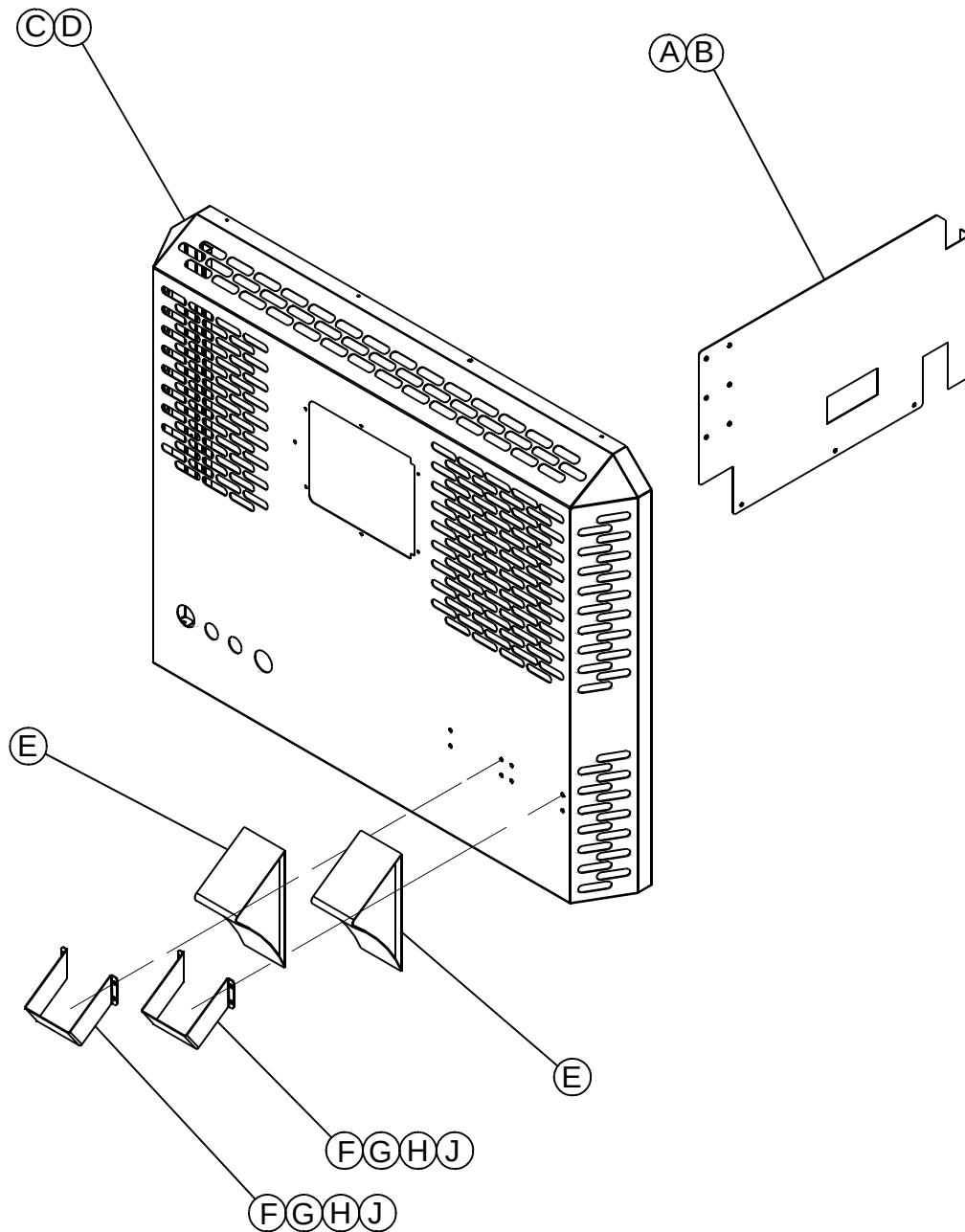
Spark Arrestor



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	39307871	T-Clamp, 4"	1	
B	22655708	Reducer, Spark Arrestor	1	
C	22067714	Clamp, 5.38" Seal	1	
D	22658934	Spark Arrestor	1	
E	35857036	Cap, 5" Rain	1	

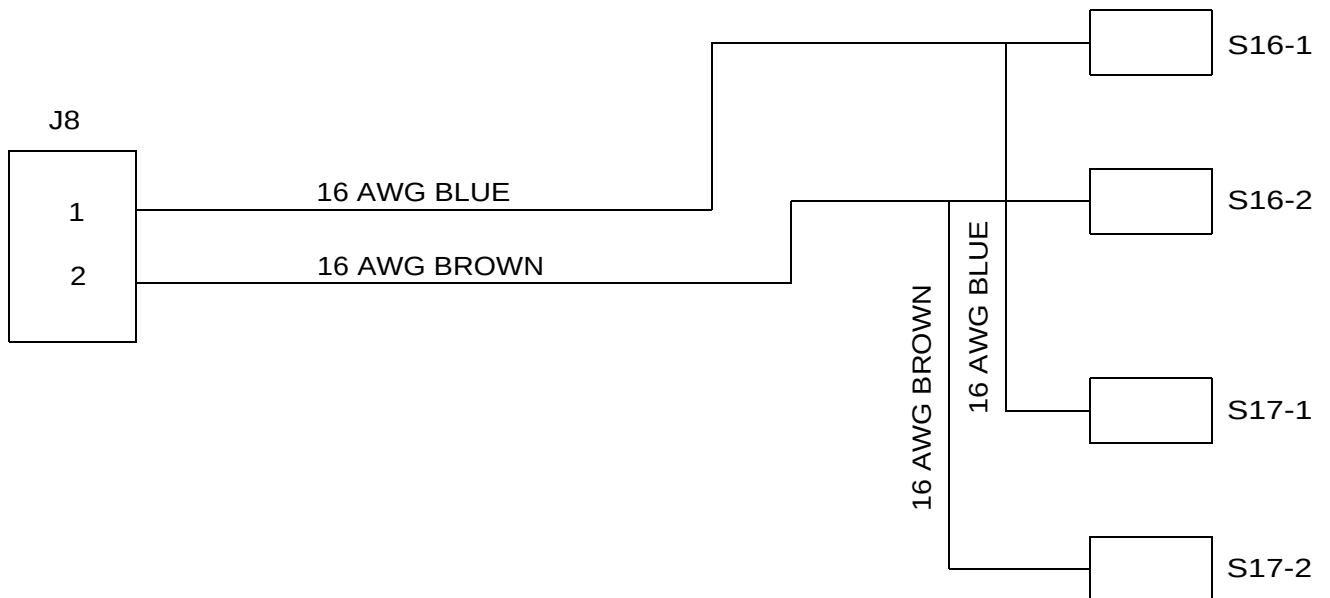
Wheel Chocks



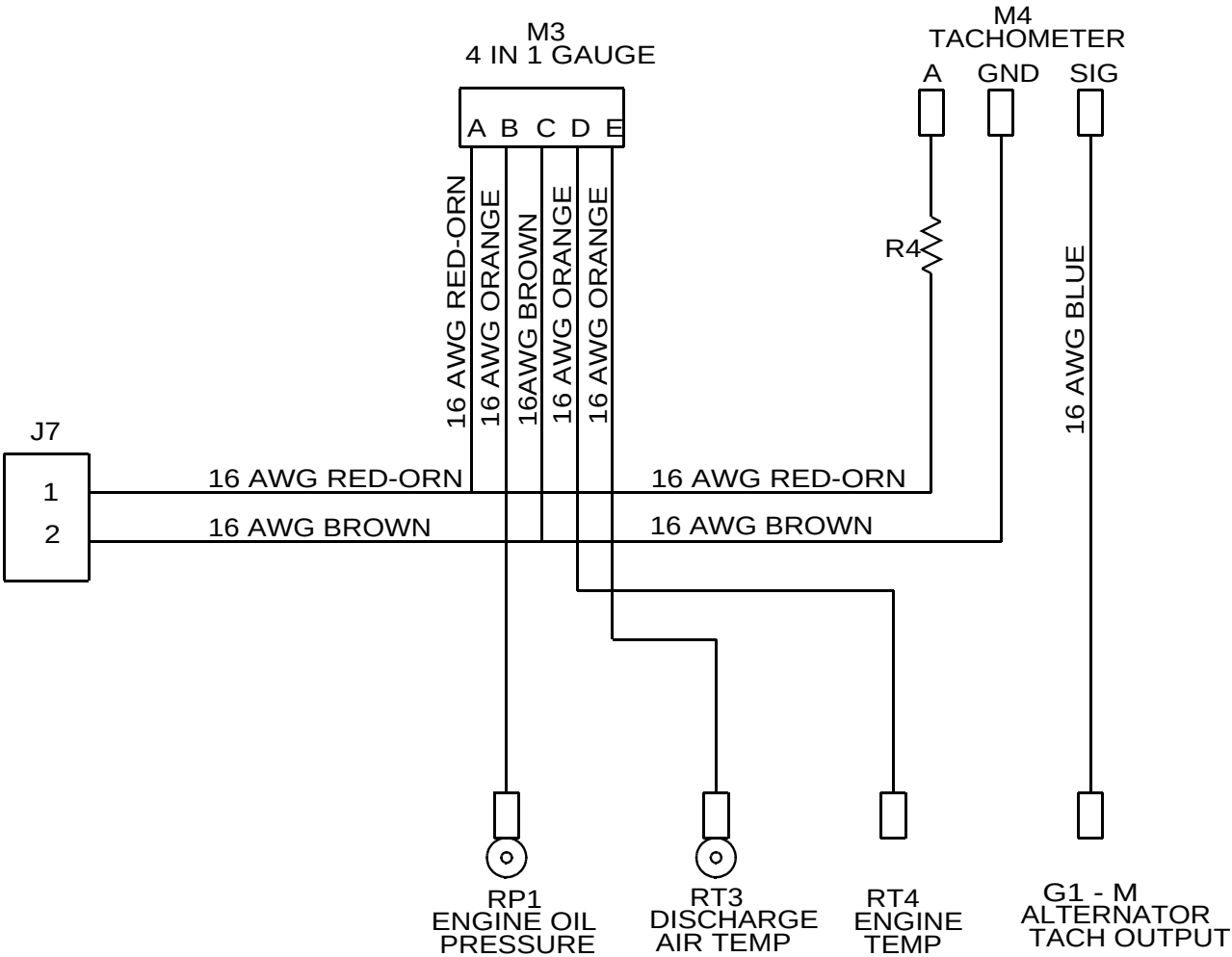
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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22058333	Panel, Toolbox	1	
B	92368687	Screw, Tapping M06-1.0 X 14	8	
C	22207450	Panel, Front End	1	
D	35279025	Screw, Tapping M08-1.25 X 20	2	
E	92899293	Chocks, Holder and Wheel	2	
F	96745211	Screw, Hex Socket Head Cap M08-1.25 X 16	8	
G	96704671	96745211, M08 Flat	8	
H	96745229	96745211, M08 Lock	8	
J	96701370	Nut, Hex M08-1.25	8	

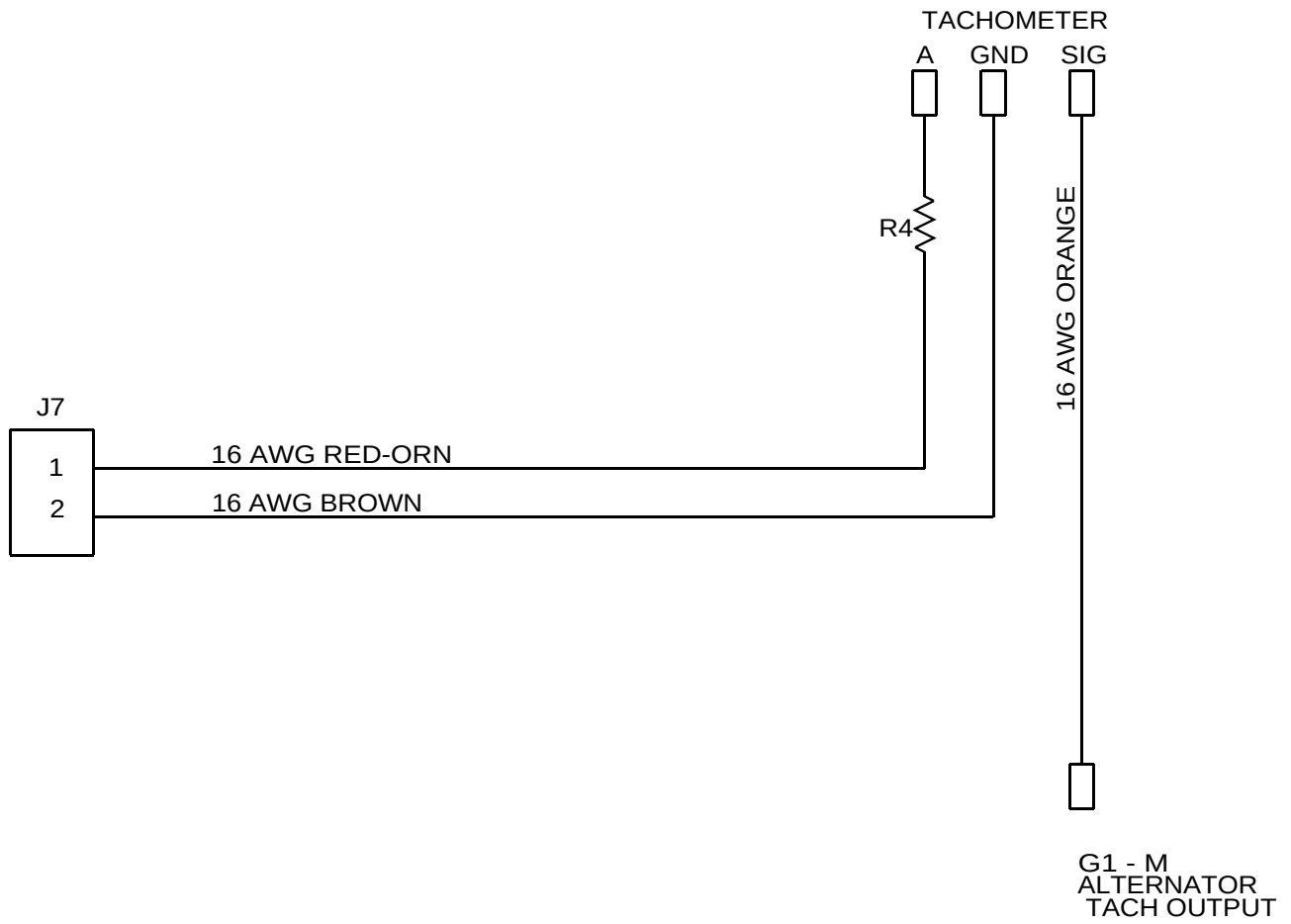
AFRI Wiring Schematic



Option Wiring Schematic



Tachometer Wiring Schematic



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