Doosan Infracore
Portable Power

PARTS MANUAL

XP185 WIR

Code: D14

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Section A - Parts Ordering

GENERAL

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

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

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

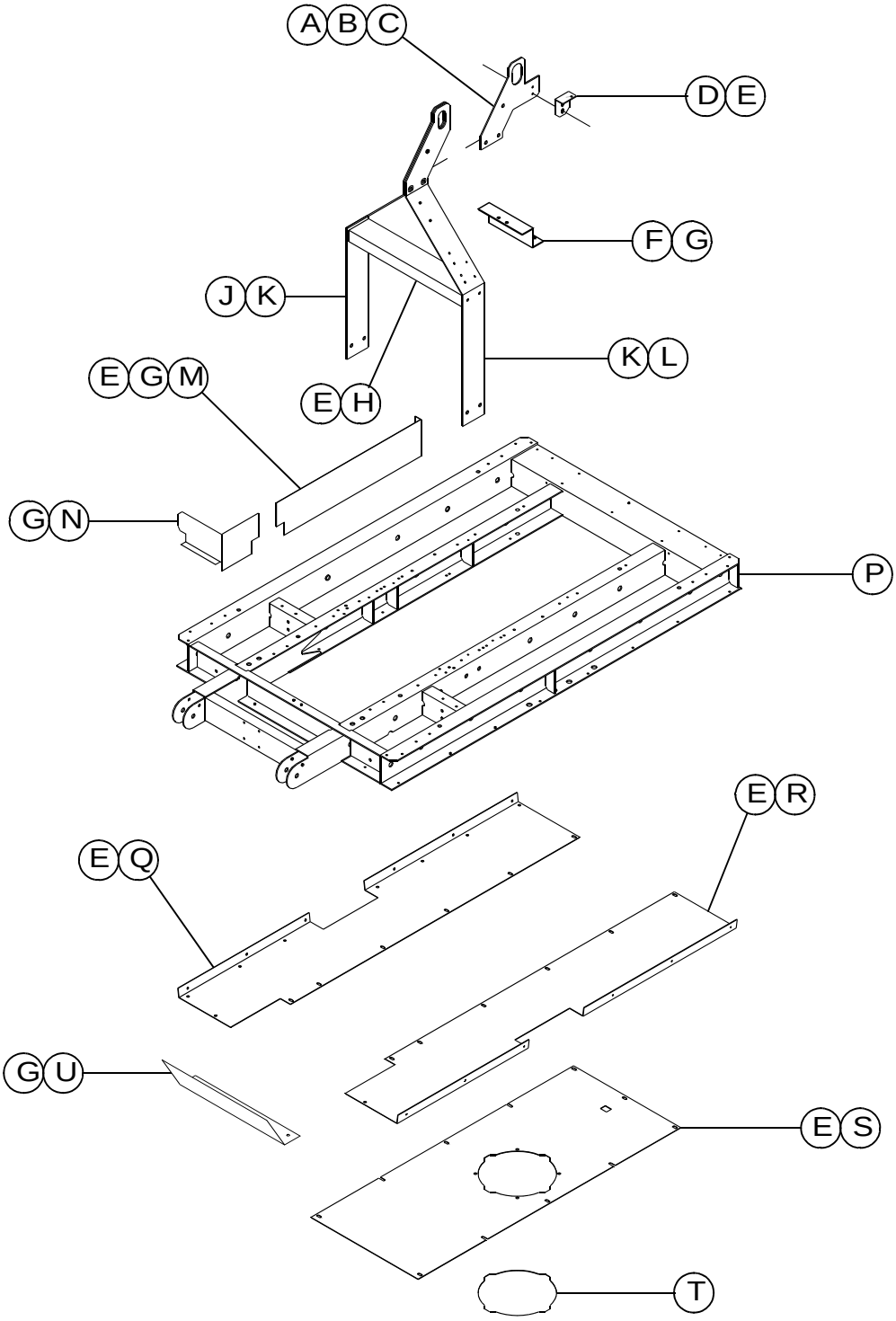
How To Order

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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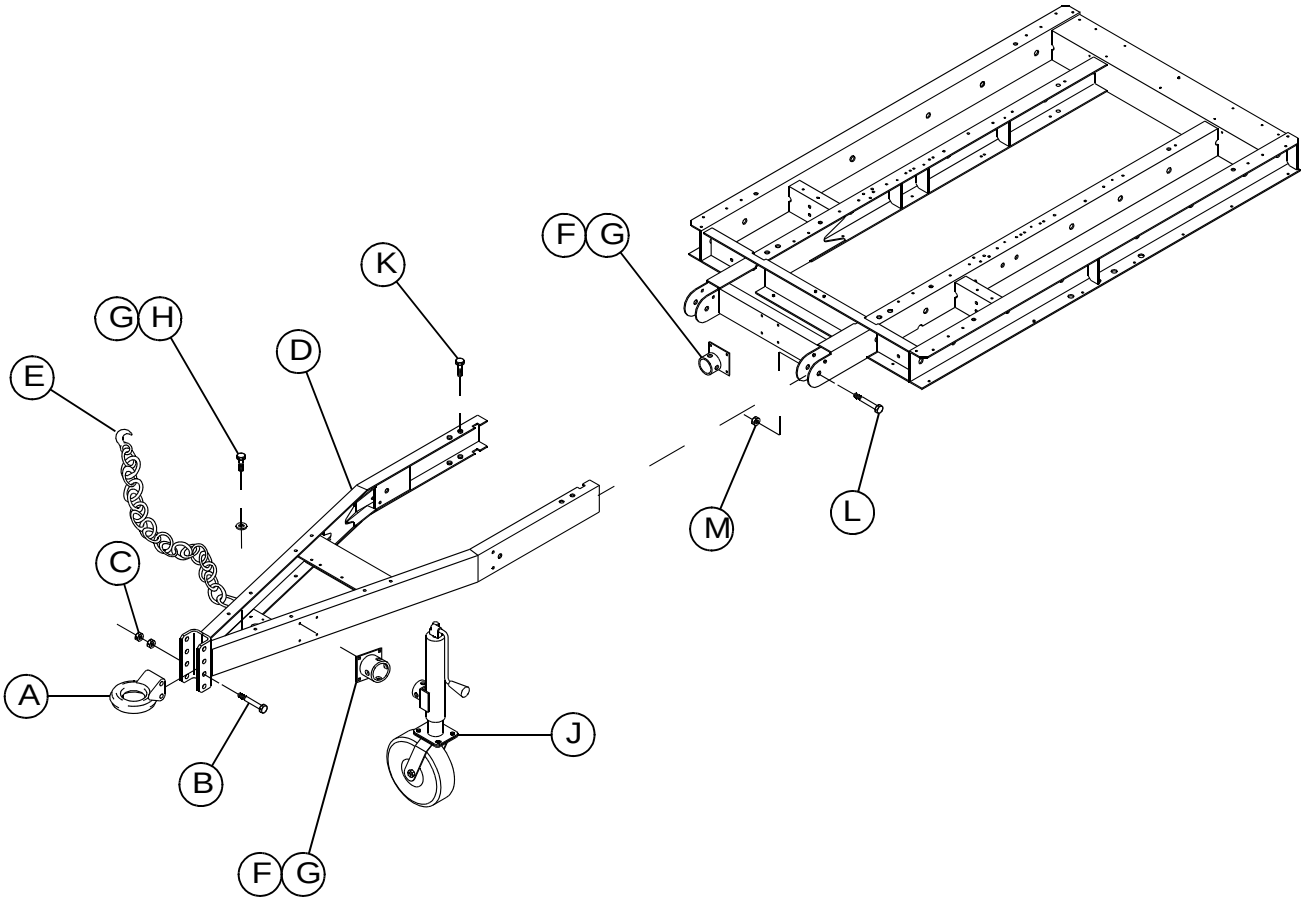
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36882165	Plate, Bail Eye	1	
B	36877793	Screw, Hex Flange M12-1.75 X 40	3	
C	36879203	Nut, Hex Flange M12-1.75	3	
D	36883510	Angle, Roof Tie	1	
E	35279025	Screw, Tapping M08-1.25 X 20	43	
F	23217656	Bracket, Relay	1	
G	36787652	Screw, Tapping M06-1.0 X 12	12	
H	36880870	Crossmember, Lift Bail	1	
J	36880854	Bail, CRBSD Lift	1	
K	36789492	Screw, Hex Flange M12-1.75 X 25	4	
L	36880862	Bail, STSD Lift	1	
M	22505796	Guard, Tool Box	1	
N	36884716	Guard, Battery	1	
P	22204614	Frame	1	
Q	54529284	Pan, CRBSD Belly	1	
R	54529292	Pan, STSD Belly	1	
S	54529086	Pan, Center Belly	1	
T	36880623	Cover, Flexable Access	1	
U	54529094	Baffle, Inlet	1	

DRAWBAR



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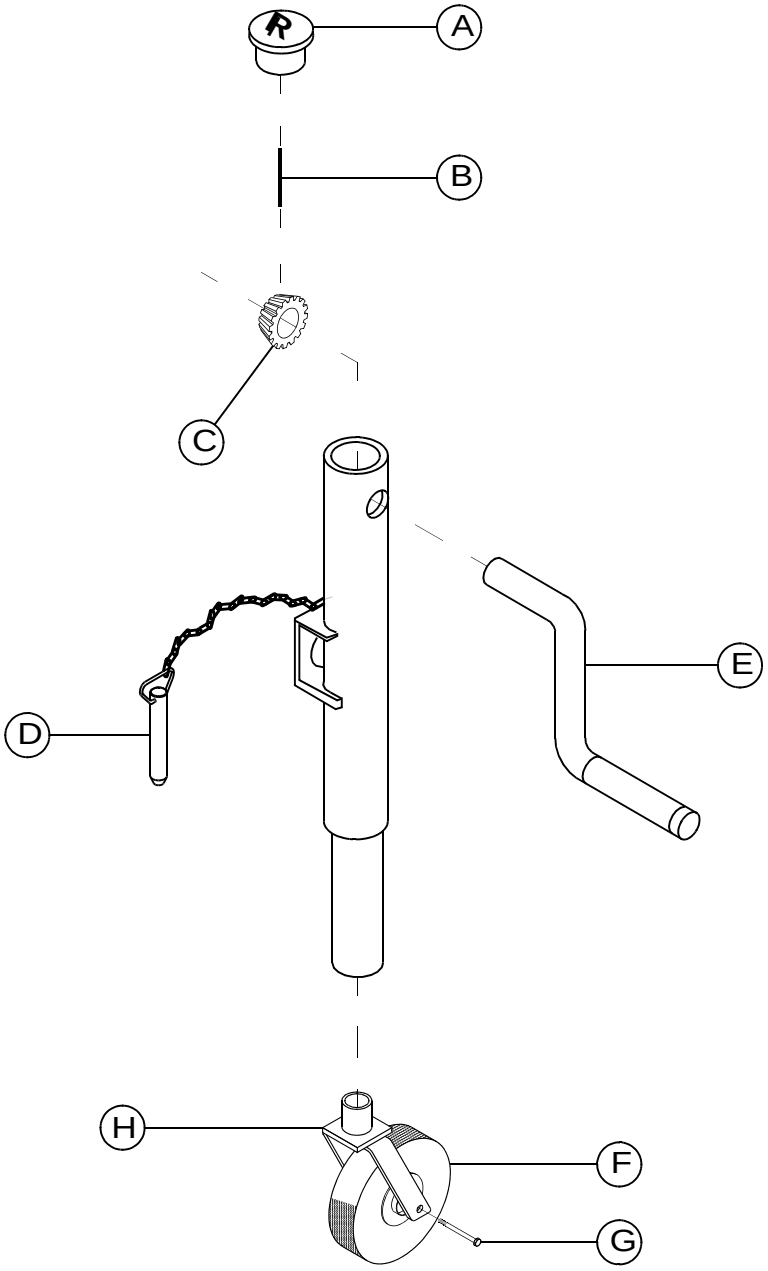
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35605187	Eye, Pintel	1	
B	35376094	Screw, Hex M16-2.0 X 120	2	
C	96701750	Nut, Hex M16-2.0	4	
D	36886364	Drawbar	1	
E	22144521	Chain & Hook Assembly	2	
F	36796068	Tube, Jack Mounting	2	
G	35279025	Screw, Tapping M08-1.25 X 20	10	
H	95934907	Washer, Flat	2	
J	36888709	Jack Assembly	1	
K	36879492	Screw, Hex Flange M12-1.75 X 25	4	
L	35290113	Screw, Hex M16-2.0 X 75	2	
M	96704630	Nut, Hex Nyloc M16-2.0	2	

JACK ASSEMBLY



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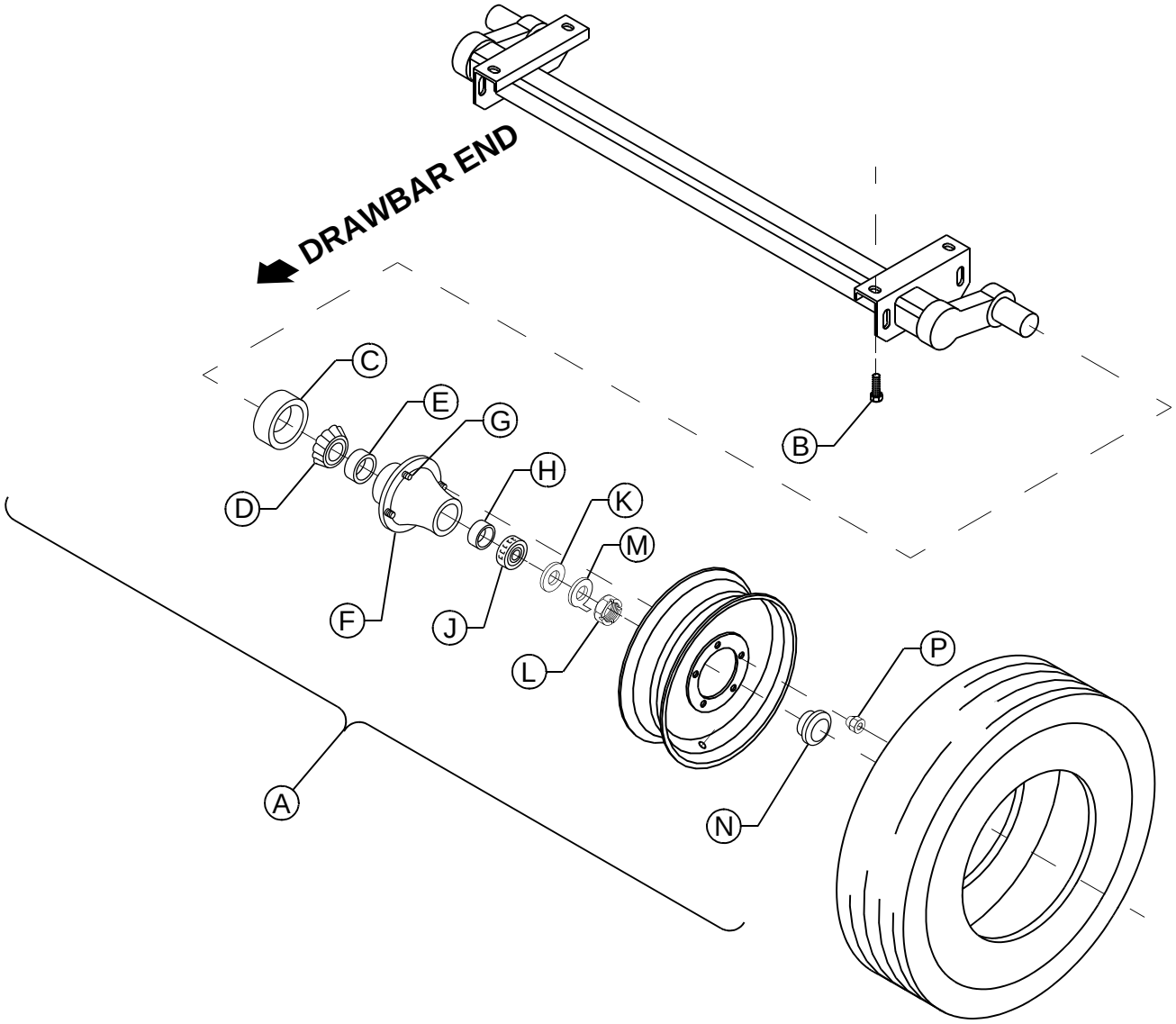
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35392521	Cap	1	
B	35392539	Pin, Roll	1	
C	35392547	Gear, Drive	1	
D	35392554	Plunger Pin Kit	1	
E	35392562	Handle Assembly	1	
F	35392588	Caster Wheel	1	
G	35392596	Bolt, Caster Wheel 1/2”-13 X 3.18”	1	
H	35392570	Yoke, Caster Wheel	1	

RUNNING GEAR



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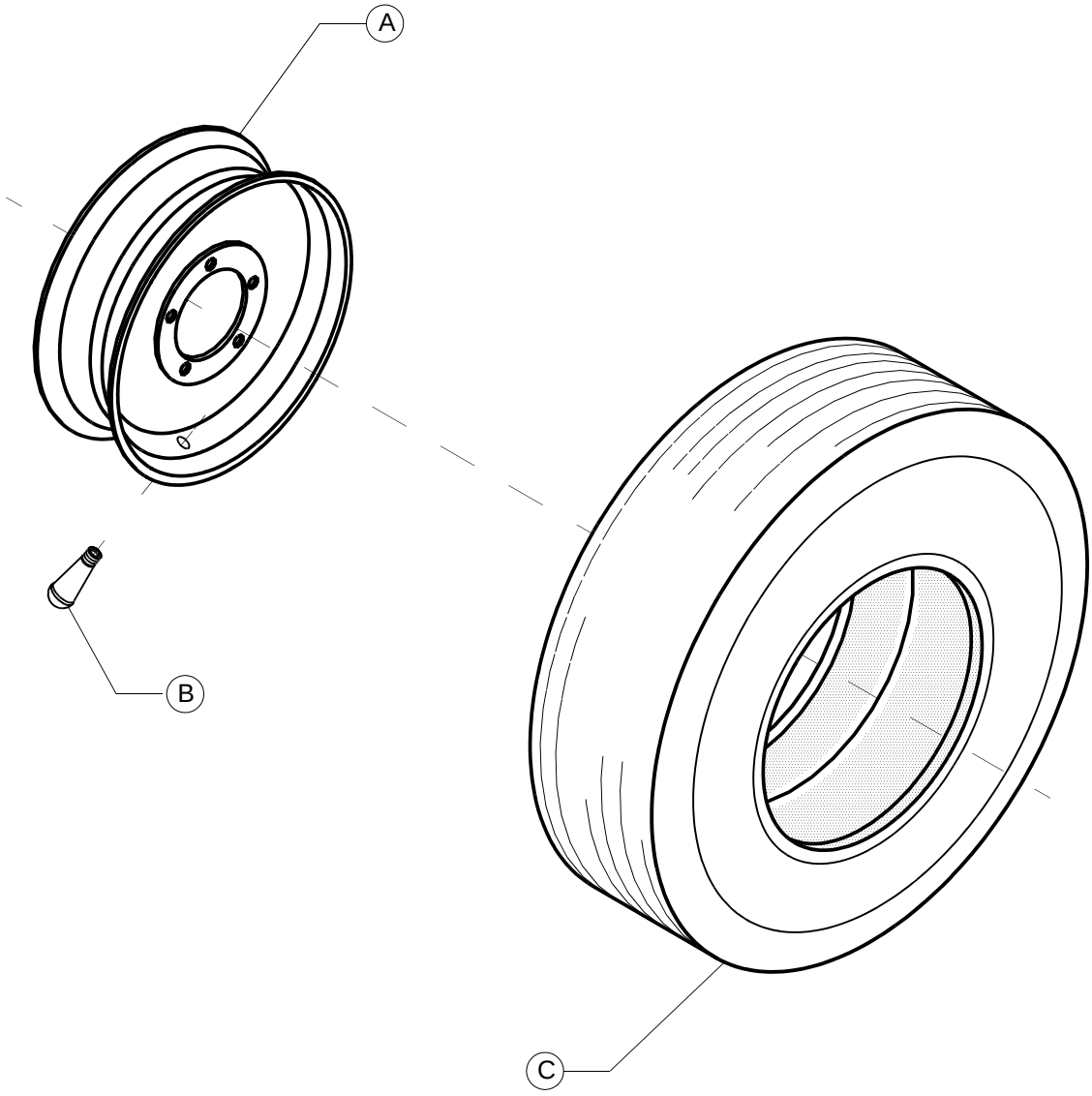
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22469860	Running Gear w/ EZ Lube	1	
B	96747142	Screw, Hex Flange M16-2.0 X 30	4	
C	35391101	Seal, Grease	2	
D	35361864	Cone, Inner Bearing	2	
E	35361872	Cup, Inner Bearing	2	
F	36848158	Hub w/ Cups	2	
G	22464648	Stud, Wheel	10	
H	35315183	Cup, Outer Bearing	2	
J	35315191	Cone, Outer Bearing	2	
K	22805436	Washer, Spindle	2	
L	35315217	Nut, Spindle	2	
M	22805444	Washer, Tang	2	
N	35315233	Cap, Dust	2	
P	35315274	Nut, Wheel	10	

TIRE and WHEEL



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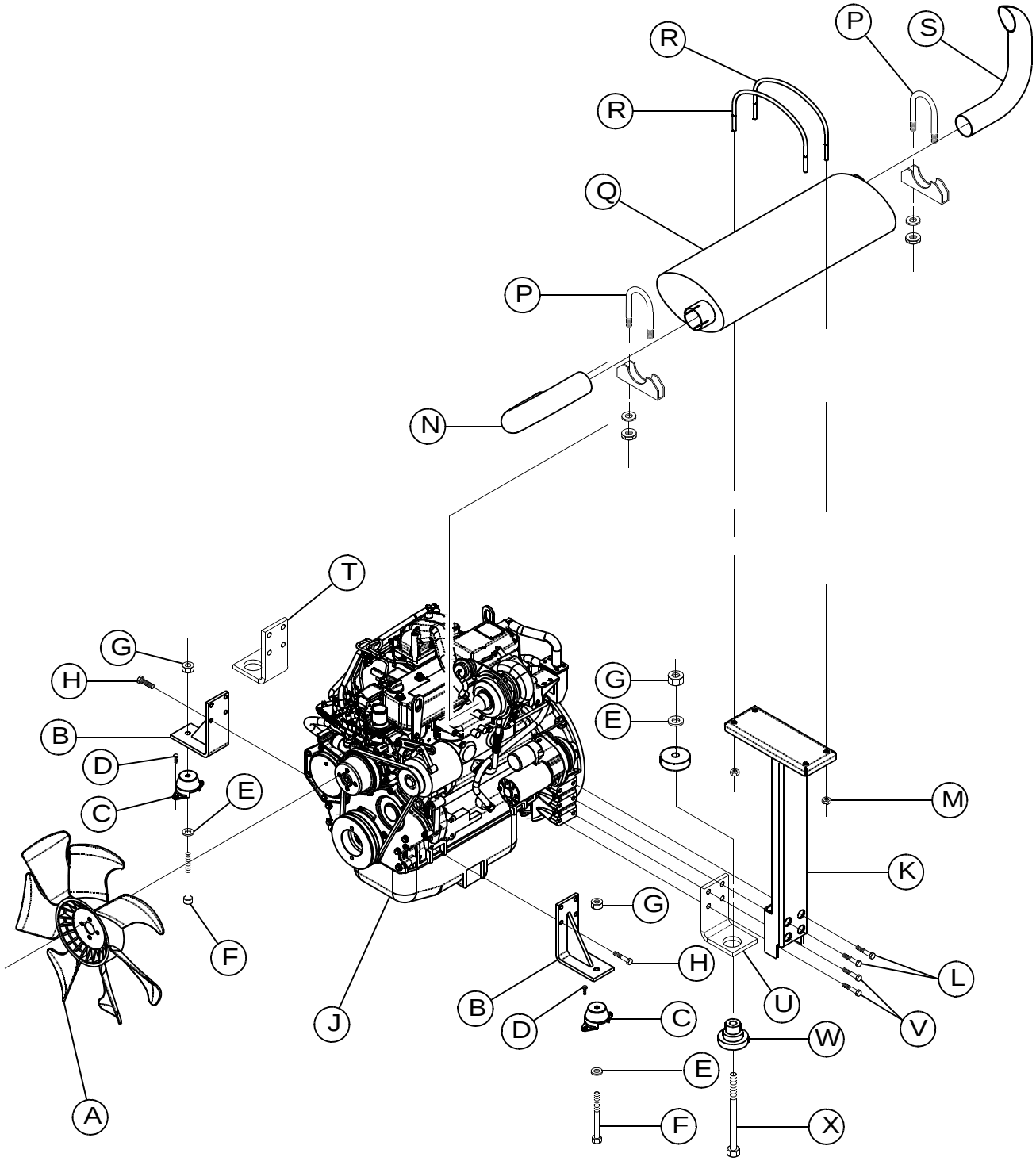
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35277706	Wheel, 15 X 6	1	
B	35282565	Stem, Valve	1	
C	22246276	Tire, ST205/75D15	1	



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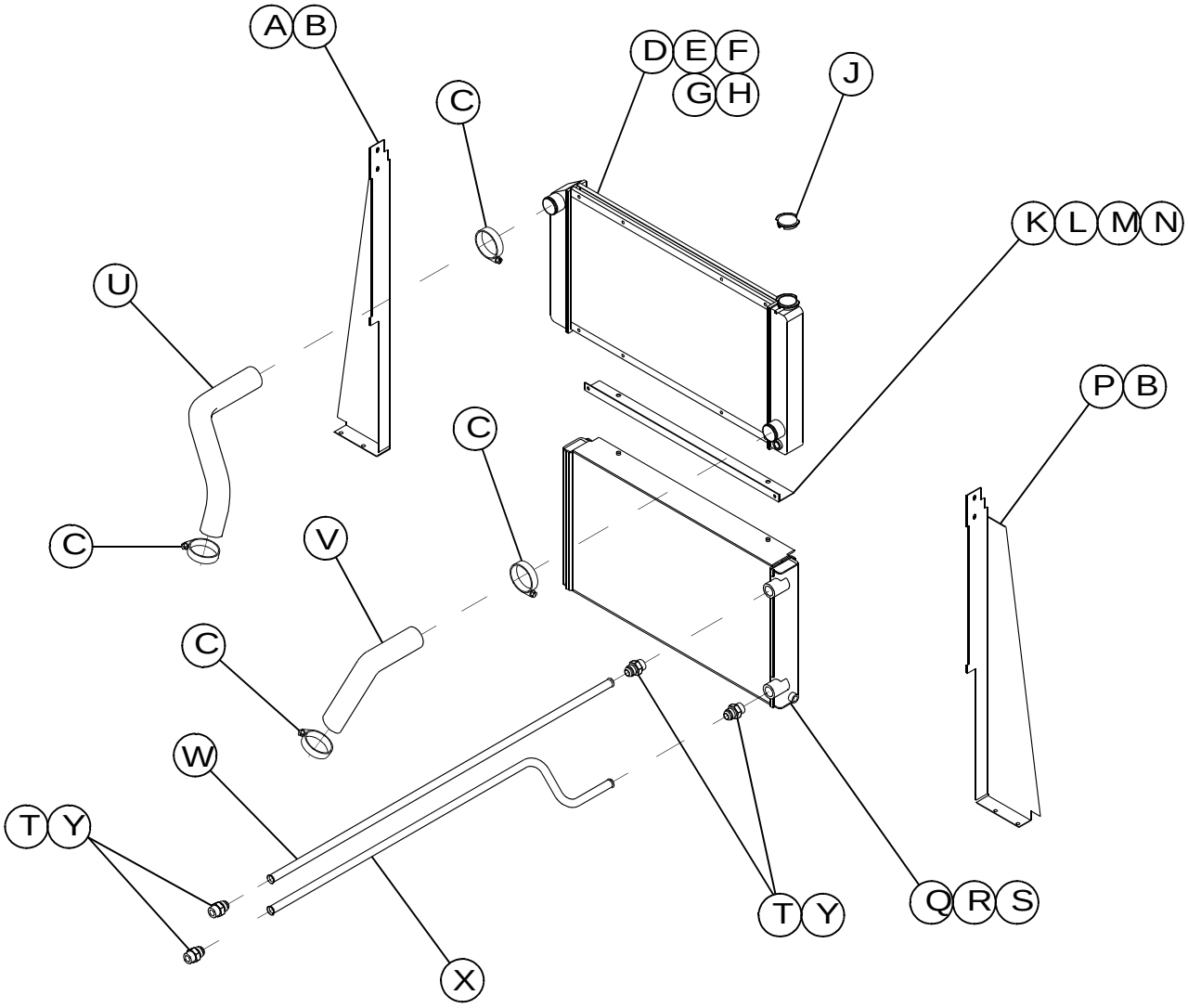
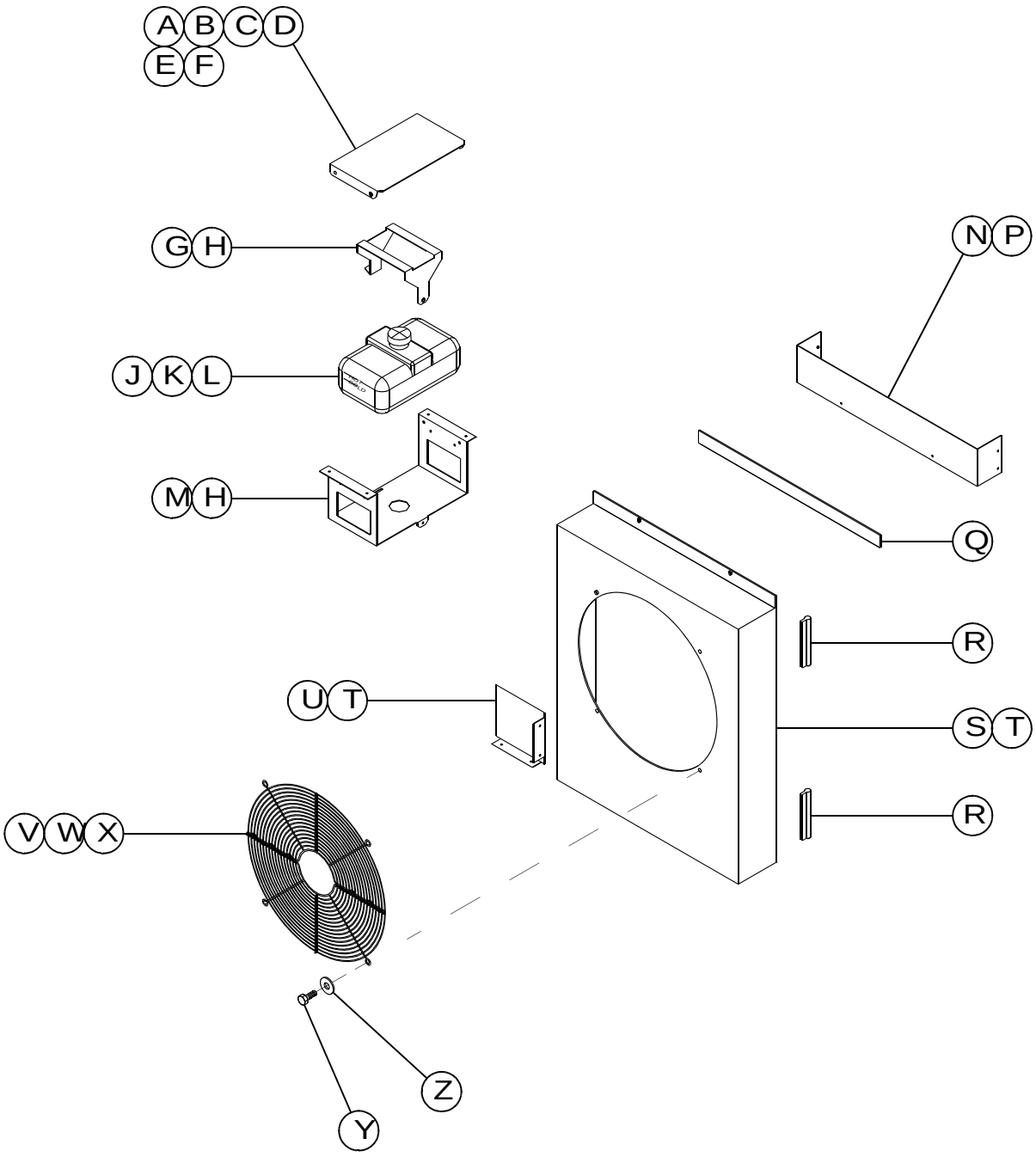
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22291405	Fan	1	
B	22197701	Bracket, Front Engine Mount	2	
C	54429303	Isolator	2	
D	35279025	Screw, Tapping M08-1.25 X 20	4	
E	54429295	Washer, Snubbing	4	
F	96739958	Screw, Hex M12-1.75 X 70	2	
G	35304047	Nut, Nyloc M12-1.75	4	
H	96702287	Screw, Hex M10-1.5 X 25	8	
J	23189087	Engine, 4IRI8TE T-3	1	
K	22346563	Bracket, Muffler Support	1	
L	96702279	Screw, Hex M10-1.50 X20	2	
M	95923322	Nut, Hex Lock 3/8”-16	4	
N	22224463	Tube, Exhaust	1	
P	35209048	Clamp, Saddle 2.50 “	2	
Q	22224455	Muffler, Oval	1	
R	35851377	U-Bolt 3/8”-16	2	
S	36775690	Pipe, Exhaust Tail	1	
T	22197719	Bracket, Rear CRBSD Engine Mount	1	
U	22205686	Bracket, Rear STSD Engine Mount	1	
V	36880995	Screw, Hex Flange M10-1.5 X 30	8	
W	54439062	Mount, Isolator	2	
X	96740782	Screw, Hex M12-1.75 X 80	2	


A B
C
D E F G H
J
K L M N
U
P B
C
C
V
C
W
T Y
T Y
Q R S
X

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54712815	Baffle, Cooler Top CRBSD	1	
	54729629	Baffle, Cooler Top CRBSD (GALV)	1	
B	92368687	Screw, Tapping M06-1.0 X 14	4	
C	35221662	Clamp, Hose	4	
D	36880516	Radiator	1	
E	36782167	Valve, Drain	1	
F	36785327	Screw, Hex M06-1.0 X 55	2	
G	95935029	Washer, Flat 1/4”	4	
H	36769032	Nut, Hex Lock M06	2	
J	36769560	Cap, Radiator	1	
K	36881480	Bracket, Rad/Oil Cooler	1	
L	96702055	Screw, Hex M08-1.25 X 20	2	
M	95934998	Washer, Flat 3/8”	2	
N	36881886	Nut, Hex Flange M08-1.25	2	
P	54712807	Baffle, Cooler STSD	1	
	54729611	Baffle, Cooler STSD (GALV)	1	
Q	36882934	Cooler, OIL	1	
R	35279025	Screw, Tapping M08-1.25 X 20	2	
S	95928230	Plug, Hex Countersink 1/4” NPT	1	
T	35295880	Connector, Straight 1.06”-12	4	
U	22197982	Hose, Radiator Top	1	
V	22197990	Hose, Radiator Lower	1	
W	22181143	Tube, Top Oil	1	
X	22181150	Tube, Bottom Oil	1	
Y	35294768	O-Ring	4	

FAN SHROUD



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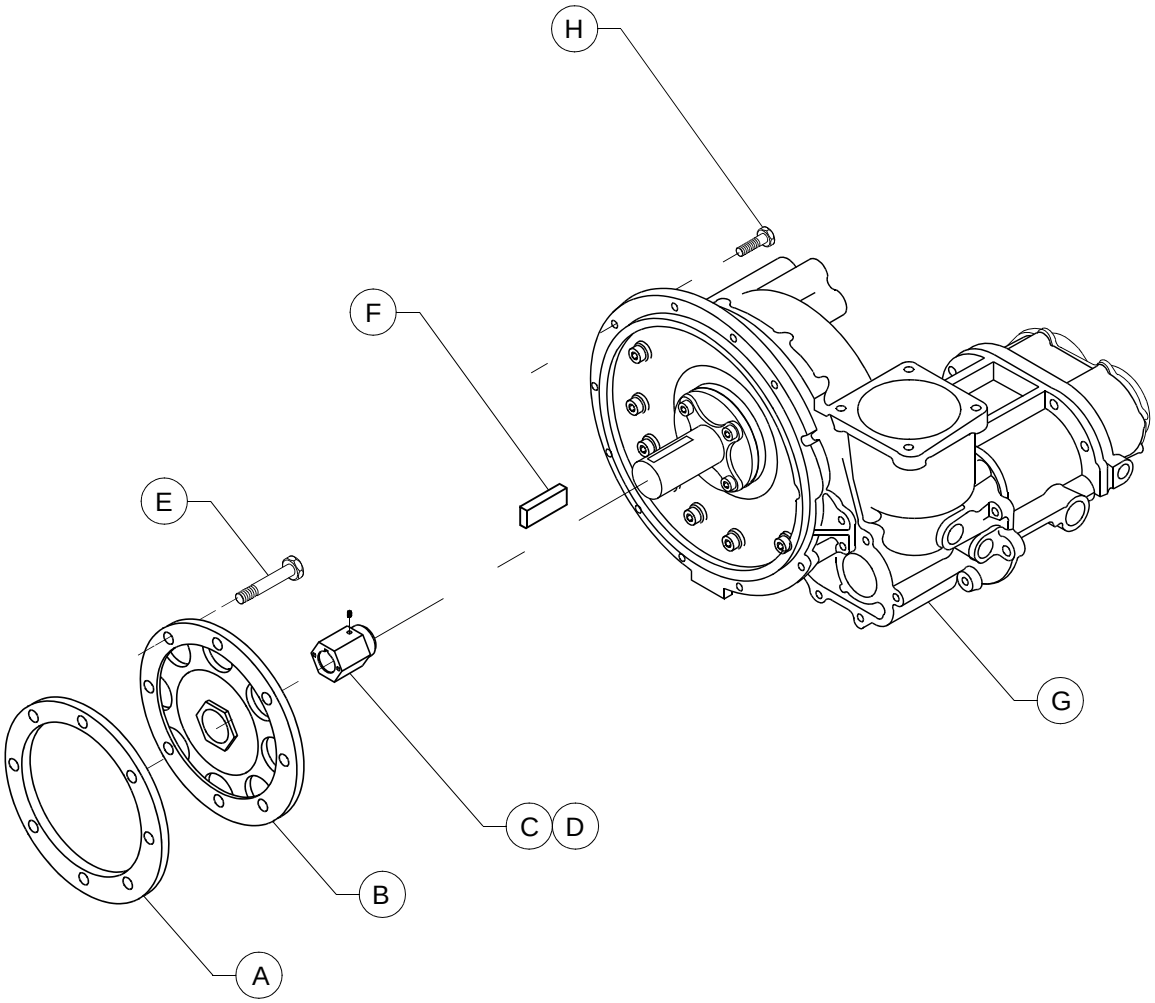
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36884500	Door, Radiator Access	1	
	54529342	Door, Radiator Access (GALV)	1	
B	36890028	Spacer, Nylon	2	
C	95934816	Screw, Hex 1/4-20 X 1.0”	2	
D	95935029	Washer, Flat 1/4”	2	
E	95923298	Nut, Hex Lock 1/4”-20	2	
F	35278720	Pin, Quick Release	1	
G	36883874	Strap, Water Bottle Holddown	1	
H	36797652	Screw, Tapping M06-1.0 X 12	5	
J	36782043	Resevoir, Overflow	1	
K	35360775	Hose, 5/16”	10”	
L	35296342	Clamp, Worm Gear	2	
M	36883866	Support, Water Bottle	1	
N	36881472	Baffle, Cooler Top	1	
	54529243	Baffle, Cooler Top (GALV)	1	
P	92368687	Screw, Tapping M06-1.0 X 14	4	
Q	35140409	Strip, Foam	26”	
R	54445176	Strip, Seal	4	
S	22346233	Shroud, Fan	1	
T	35279025	Screw, Tapping M08-1.25 X 20	4	
U	36920858	Guard, Oil Cooler	1	
V	54716360	Guard, Fan	1	
W	96702055	Screw, Tapping M08-1.25 X 20	2	
X	36881886	Nut, Hex Flange M08-1.25	2	
Y	35300771	Screw, Tapping M06-1.0 X 20	4	
Z	36853265	Washer, Plastic	4	

AIREND and COUPLING



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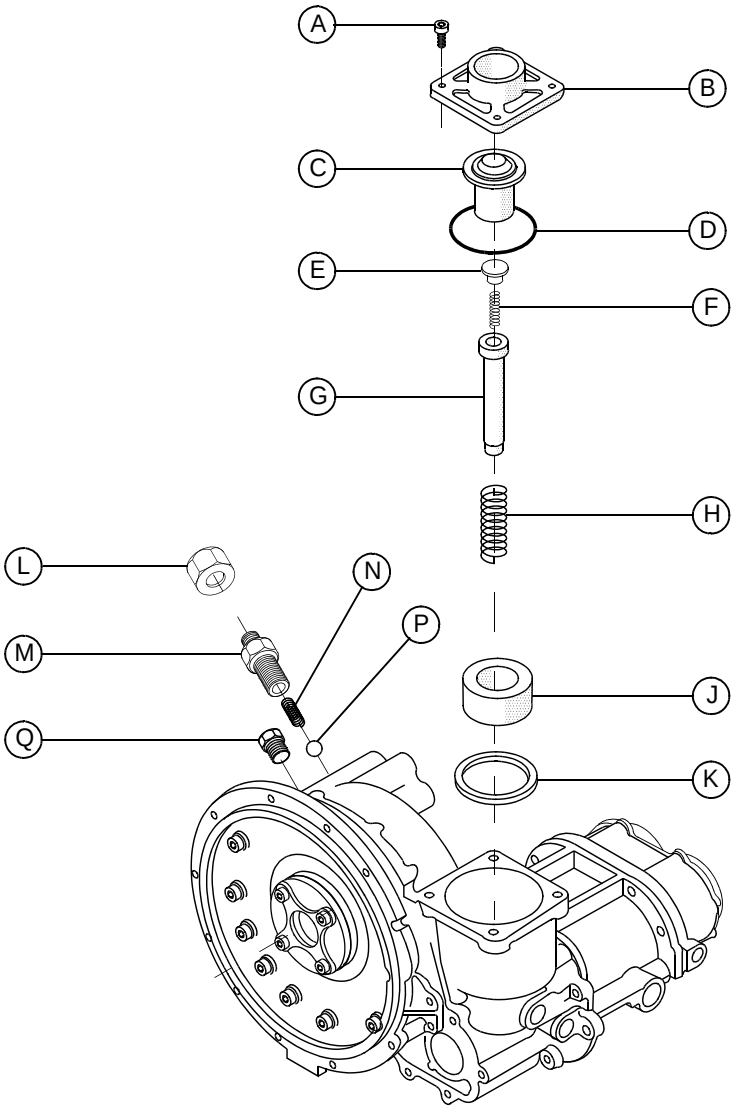
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22317697	Spacer, Drive Coupling	1	
B	22314348	Coupling, Drive	1	
C	54755095	Bearing, Hex	1	
D	95376943	Screw, Socket Set 3/8”-16 X .25”	1	
E	36880995	Screw, Hex Flange M10-1.5 X 30	8	
F	36769289	Key, M8 X 10 X 60	1	
G	42579417	Airend	1	
H	36880995	Screw, Hex Flange M10-1.5 X 30	9	

UNLOADER VALVE



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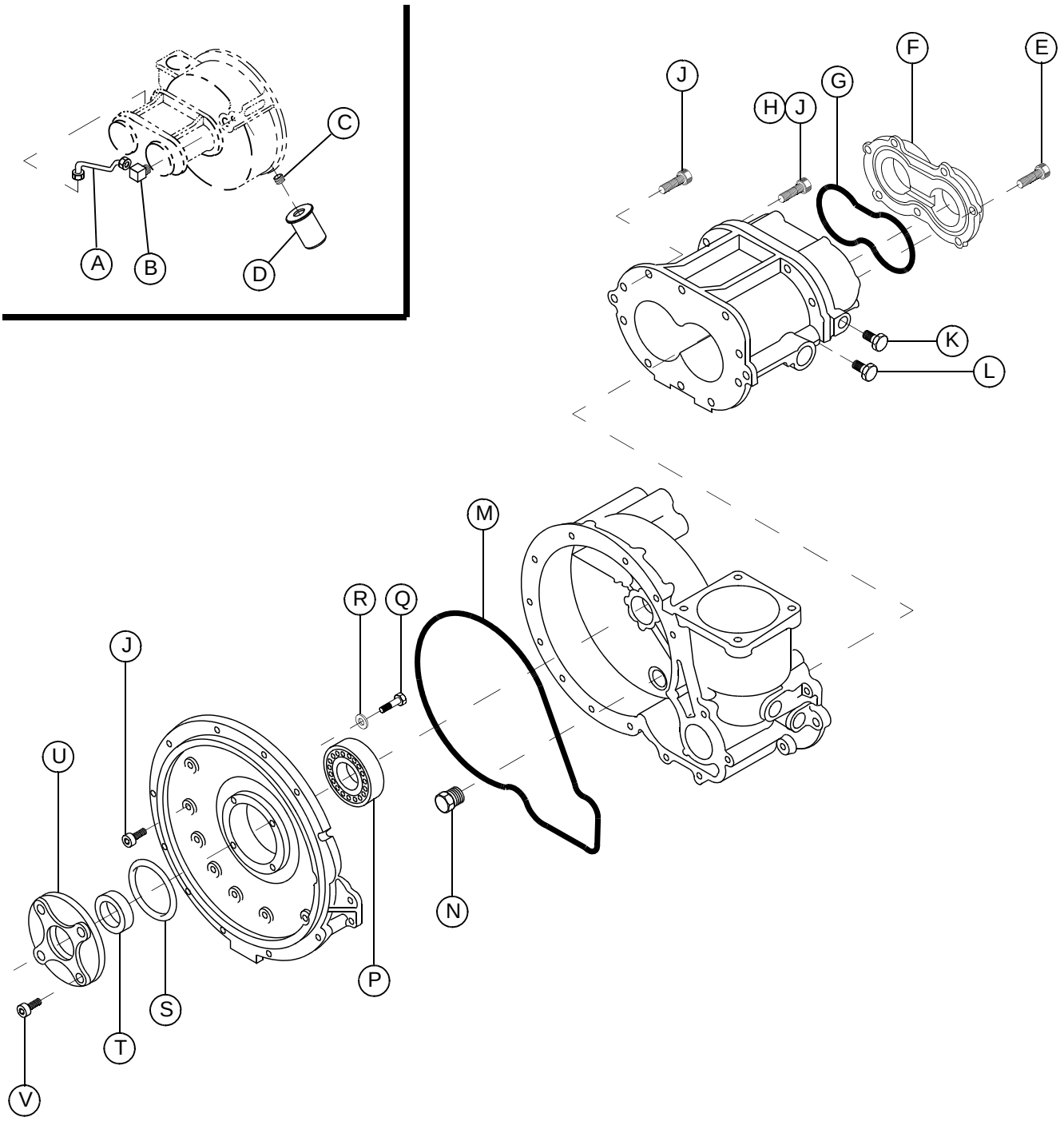
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96708144	Screw, Socket Head Cap M10-1.50 X 25	4	
B	36508471	Cover, Inlet	1	
C	36511623	Valve, Unloader	1	
D	95023107	O-Ring	1	
E	35379817	Cap, Spring	1	
F	35376342	Spring	1	
G	35611557	Stem	1	
H	35376334	Spring	1	
J	35611615	Piston	1	
K	35376359	Seal	1	
L	95257333	Cap	1	
M	35612175	Connector	1	
N	35376326	Spring	1	
P	35376318	Ball	1	
Q	95280541	Plug, Hex 1.06”-12	1	

AIREND ASSEMBLY



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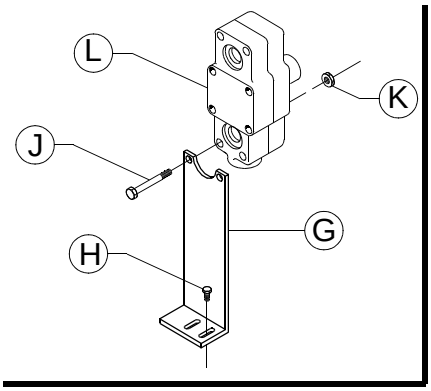
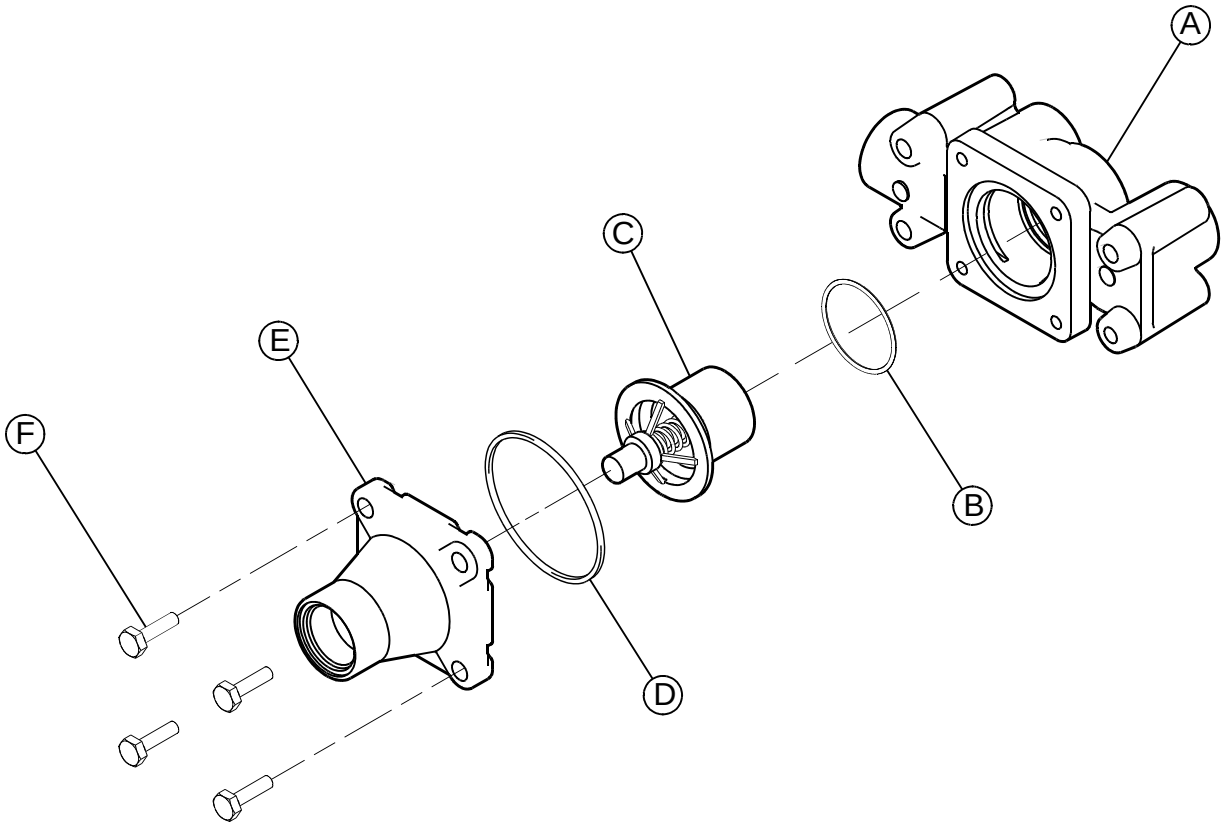
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36764553	Tube Assembly, Oil Injection	1	
B	35286491	Elbow, 90° SAE 7/8”-14 X -10JIC	2	
C	22437057	Nipple, Oil Filter Pipe	1	
D	22436323	Element, Filter	1	
E	96703012	Screw, Socket Head Cap M06-1.0 X 20	7	
F	36506442	Cover, Bearing	1	
G	95232115	O-Ring	1	
H	96740375	Screw, Socket Head Cap M08-1.25 X 45	1	
J	96708060	Screw, Socket Head Cap M08-1.25 X 25	31	
K	95938965	Plug, Hex 7/16”-20	1	
L	95280541	Plug, Hex 1.06”-12	1	
M	95641734	O-Ring	1	
N	39101449	Plug, Socket Head 3/4”	1	
P	35286004	Bearing, Ball	1	
Q	36791689	Screw, Flange Lock M08-1.25 X 16	2	
R	95094306	Washer, Flat	2	
S	95022331	O-Ring	1	
T	35375369	Seal	1	
U	39588413	Cover, Seal	1	
V	96708037	Screw, Socket Head M08-1.25 X 16	4	

OIL TEMPERATURE BYPASS VALVE





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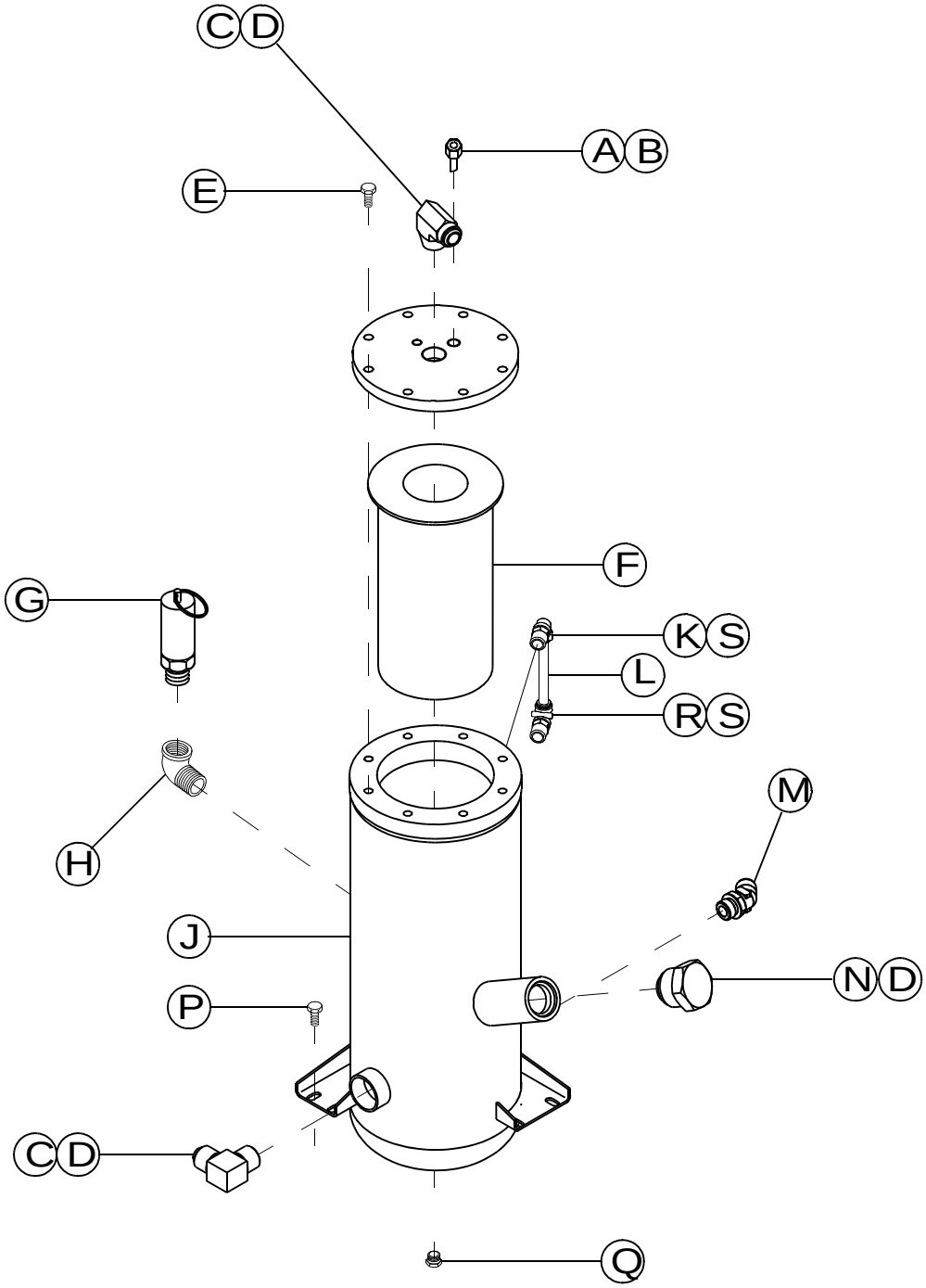
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23137813	Housing, OTBV	1	
B	36788172	Seal, U-Type Viton	1	
C	22195820	Element, 150° - 170° F	1	
D	95022307	O-Ring	1	
E	36765832	Cover	1	
F	96702659	Screw, Hex M08-1.25 X 25	4	
G	36880755	Bracket, Bypass Valve	1	
H	35279025	Screw, Tapping M08-1.25 X 20	2	
J	96718978	Screw, Hex M08-1.25 X 80	2	
K	36881886	Nut, Hex Flange M08-1.25	2	
L	23137912	Valve, Oil Temp Bypass	1	

SEPARATOR TANK



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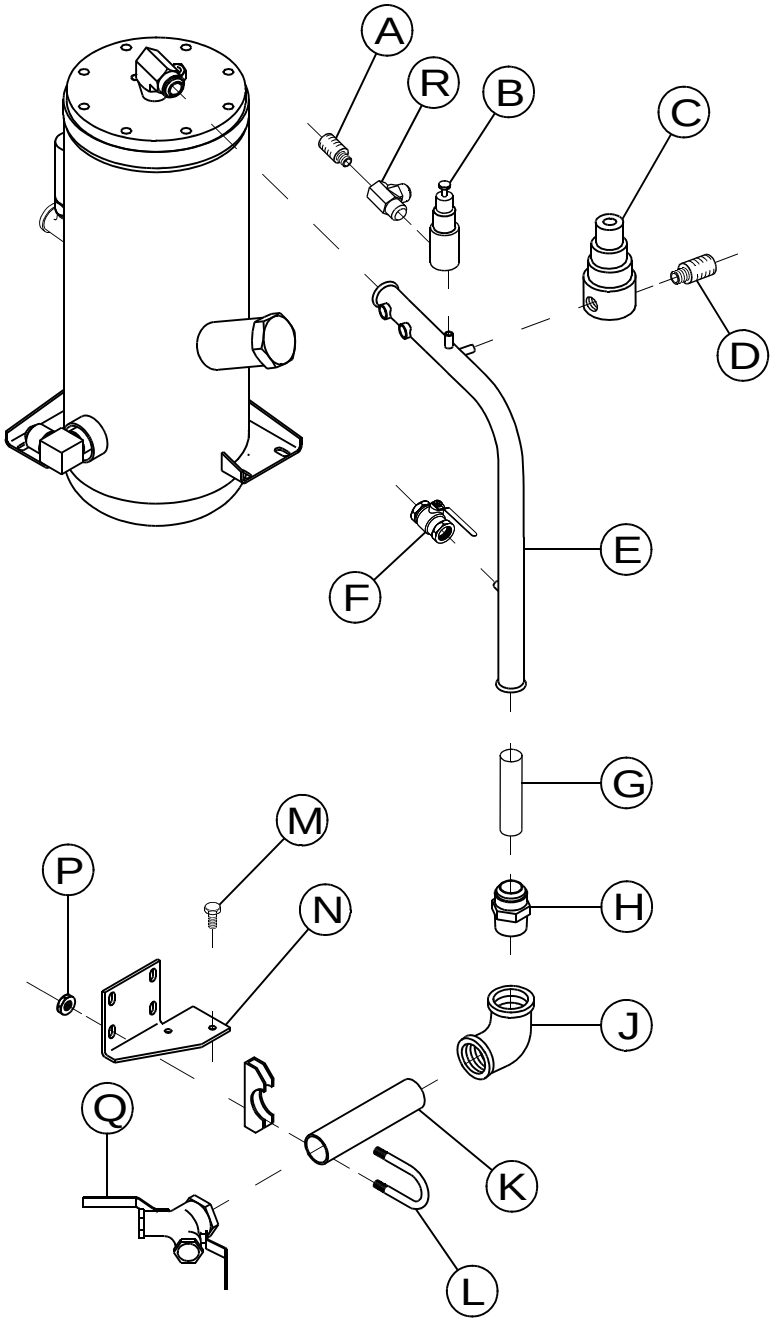
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22186381	Adapter, Oil Scavange	1	
B	36840437	Valve, Check	1	
C	35279777	Elbow, 90° X 1.62”-12	2	
D	35279942	O-Ring	3	
E	36877793	Screw, Hex Flange M12-1.75 X 40	8	
F	54625942	Element, Separator	1	
G	36920254	Valve, Safety	1	
H	95928164	Elbow, 90° Street 1/2” NPT	1	
J	22158554	Tank, Separator	1	
K	22685481	Elbow, Top Compression	1	
L	22685515	Tube, Sight Gauge	1	
M	35294727	Elbow, 45° X 1.06”-12 X -12JIC	1	
N	35579630	Plug, Vented 1.62”-12	1	
P	35279025	Screw, Tapping M08-1.25 X 20	4	
Q	95280541	Plug, Hex 1.06”-12	1	
R	22685499	Elbow, Bottom Compression	1	
S	22685507	Insert, 1/4” Tube	2	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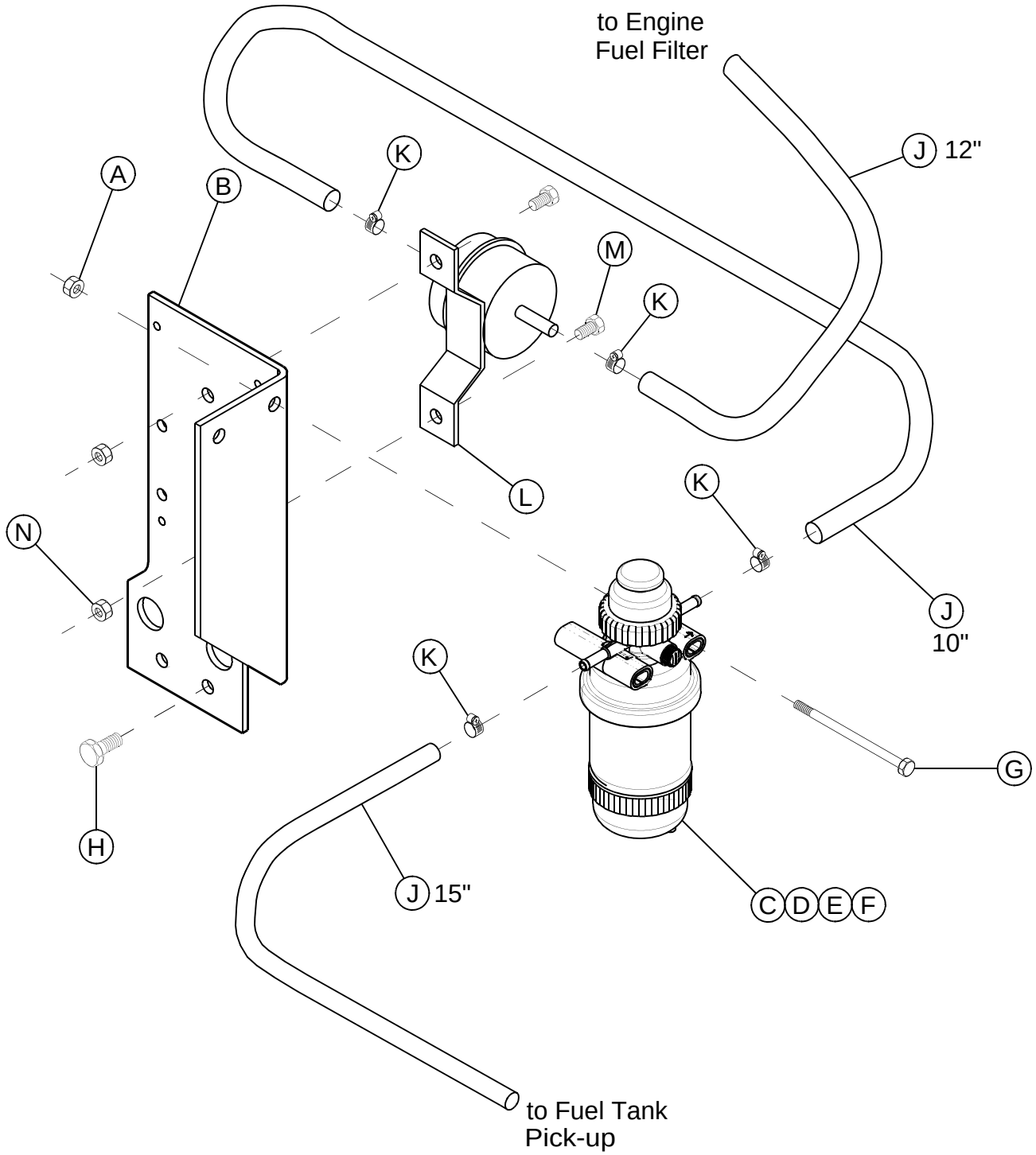
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36766756	Muffler, Orifice 0.140”	1	
B	36896892	Valve, Pressure Regulator	1	
C	35322379	Valve, Blowdown	1	RPR KIT 35379064
D	36766772	Muffler, 0.062” Orifice	1	
E	22822266	Tube, Service	1	
F	35324839	Valve, Ball	1	
G	36923910	Nozzle, 0.319” Sonic Orifice	1	
H	95219770	Connector, Street 1.25”-12	1	
J	95953378	Elbow, 90° X 1.25” NPT	1	
K	95944542	Nipple, Long 1.25” X 7”	1	
L	36785277	Clamp, Saddle 1.62”	2	
M	35279025	Screw, Tapping M08-1.25 X 20	2	
N	22226617	Bracket, Service Pipe	1	
P	95923314	Nut, Hex Lock 5/16”-18	4	
Q	36881076	Valve, Wye	1	
R	35114545	Tee, Street 1/4” NPT	1	

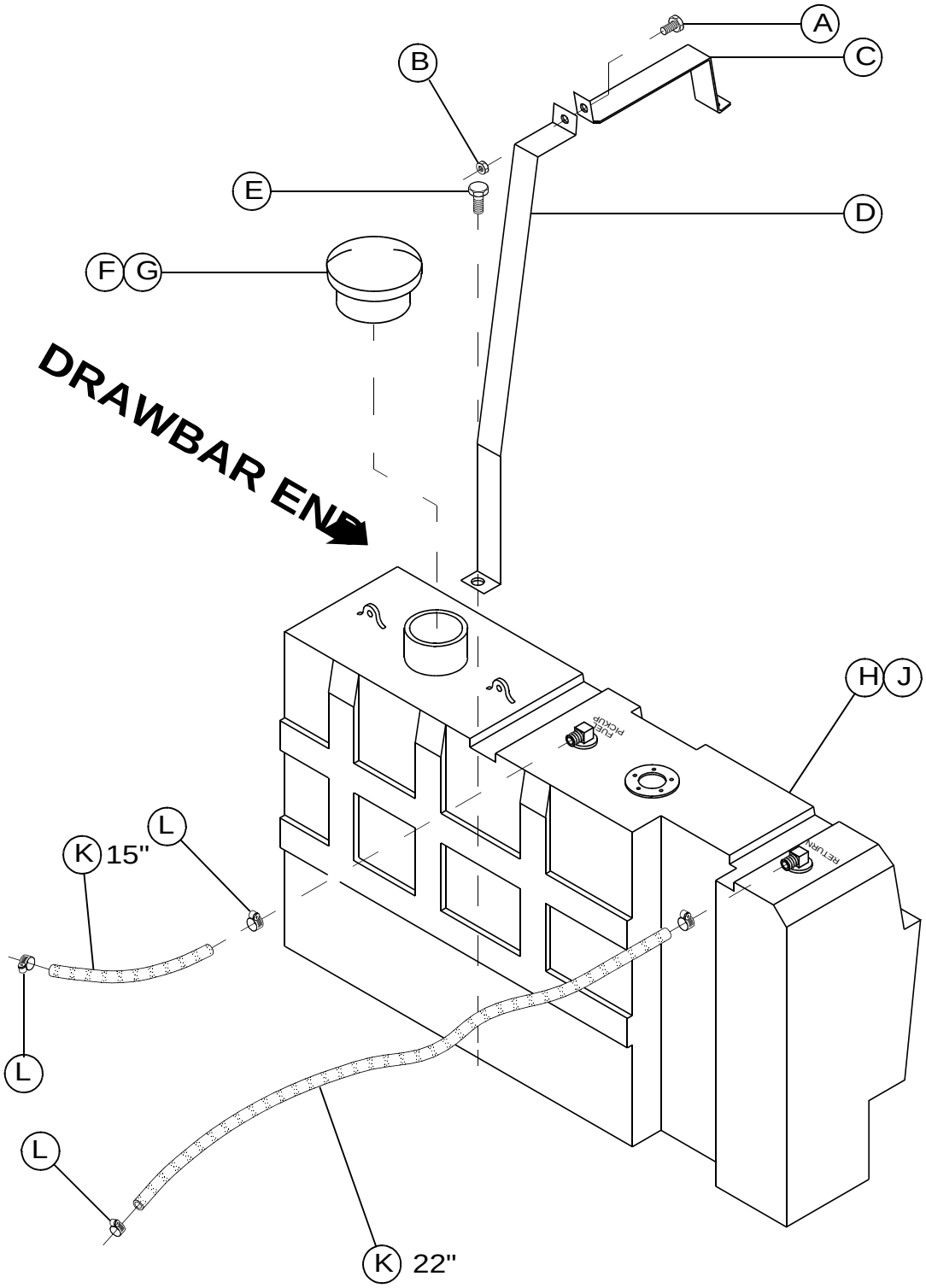
FUEL / WATER SEPARATOR



23294648_04/08_A

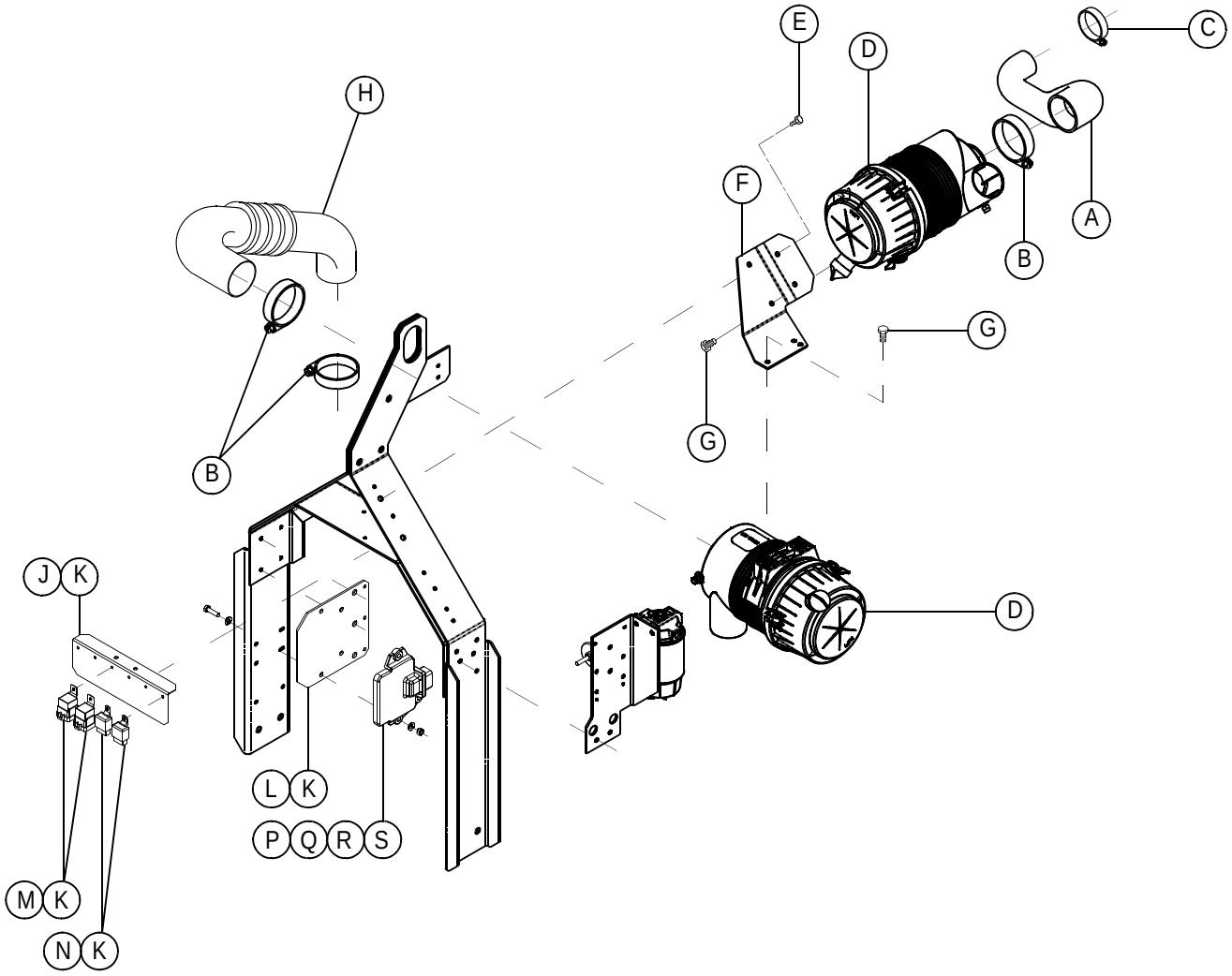
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881886	Nut, Hex Flange M08-1.25	2	
B	36883890	Bracket, Ether/Fuel Filter	1	
C	22926745	Filter, Fuel/Water Separator	1	
D	96726435	Screw, Hex Flange M08-1.25 X 100	2	
E	22532386	Bowl	AR	
F	22532394	Kit, Primer Pump	AR	
G	22926737	Element Assembly	AR	
H	35279025	Screw, Tapping M08-1.25 X 20	2	
J	35363498	Hose, 5/16” Fuel	~	See Lengths Above
K	35296342	Clamp, Worm Gear	4	
L	22226385	Pump Assembly, Fuel Feed	4	
M	96701461	Screw, Hex M06-1.0 X 25	2	
N	36898104	Nut, Hex Flange M06-1.0	2	

FUEL TANK



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35271170	Screw, Tapping M08-1.25 X 40	1	
B	35278530	Nut, Hex Nyloc M08	1	
C	36884245	Strap, Hold Down Exterior	1	
D	22247951	Strap, Hold Down Interior	1	
E	35279025	Screw, Tapping M08-1.25 X 20	1	
F	36885564	Cap, Fuel Tank	1	
G	36385111	Gasket, Fuel Cap	1	
H	36881100	Tank, Fuel	1	
J	35384577	Bushing	2	
K	35363498	Hose, 5/16” Fuel	~	See Lengths Above
L	35296342	Clamp, Worm Gear	4	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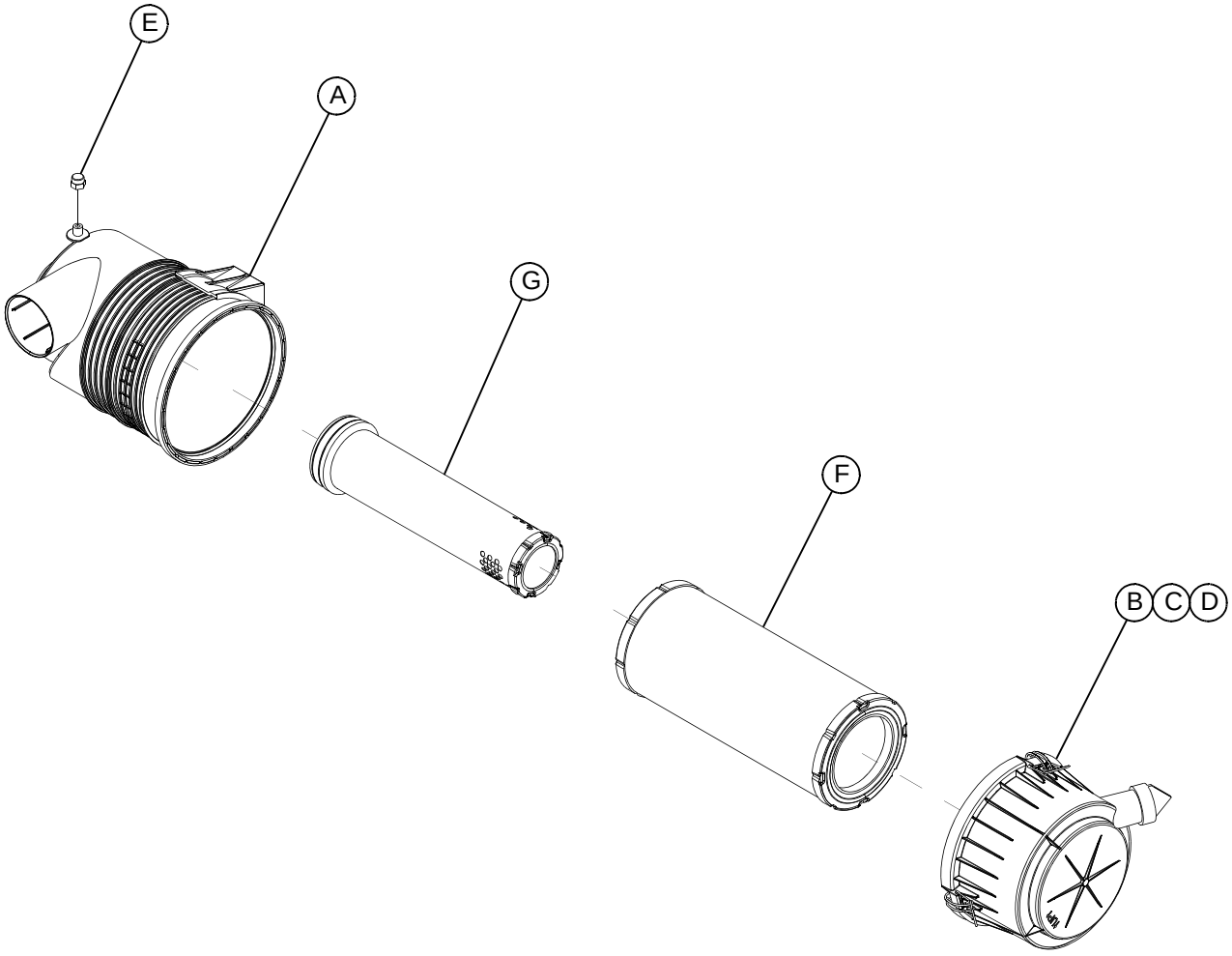
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22230452	Hose, Engine Intake	1	
B	35374073	Clamp, T 3.62”	3	
C	36861854	Clamp, T 2.12”	1	
D	36897999	Cleaner Assembly, Air	2	
E	35279025	Screw, Tapping M08-1.25 X 20	4	
F	36897965	Bracket, Air Cleaner	1	
G	96702816	Screw, Hex M08-1.25 X 16	4	
H	36880912	Hose, Airend Intake	1	
J	23217656	Bracket, Relay	1	
K	36797652	Screw, Tapping M06-1.0 X 12	6	
L	23225071	Bracket, ECU	1	
M	36878361	Relay	2	
N	23286610	Relay	2	
P	23286560	Controller, Engine (ECU)	1	
Q	35271162	Screw, Hex M08-1.25 X 30	2	
R	96735543	Nut, Hex M08-1.25	2	
S	95934998	Washer, Flat 3/8”	6	

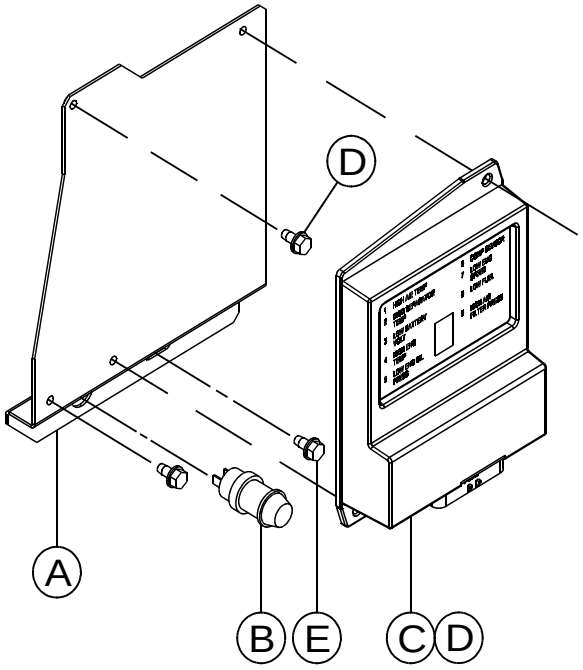
AIR CLEANER



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35393701	Body, Air Cleaner	1	
B	35393693	Cover, Air Cleaner	1	
C	35393669	Clip, Retaining	3	
D	35393677	Valve, Dust Ejector	1	
E	35393719	Plug, Cap	1	
F	35393685	Element, Primary	1	
G	35393651	Element, Safety	1	Optional

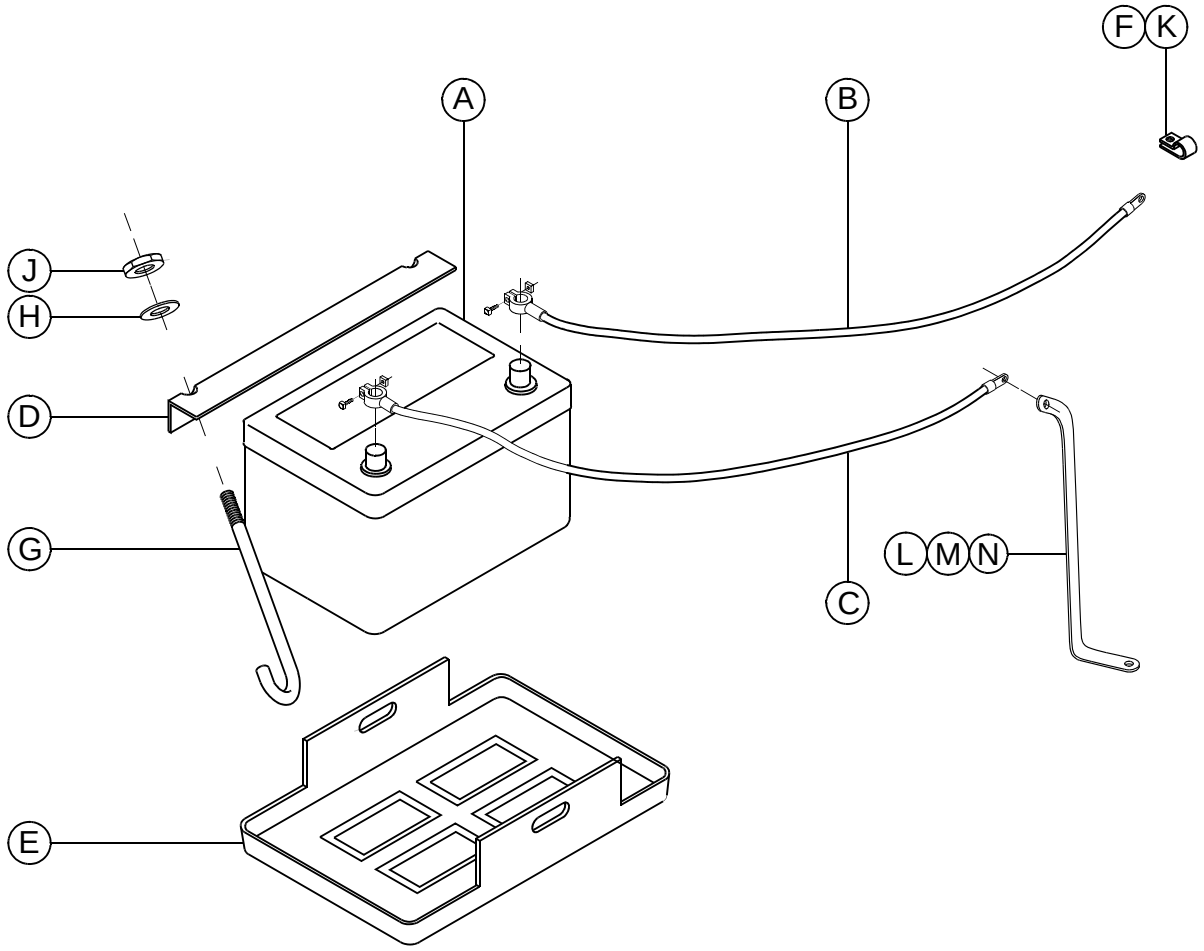
SECU MOUNT



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23218670	Bracket, SECU Mounting	1	
B	36883825	Lamp, Holder Red	1	
C	23217185	Controller, SECU	1	
D	36797652	Screw, Tapping M06-1.0 X 12	4	
E	54721238	Screw, 11/32” HI-LO	1	

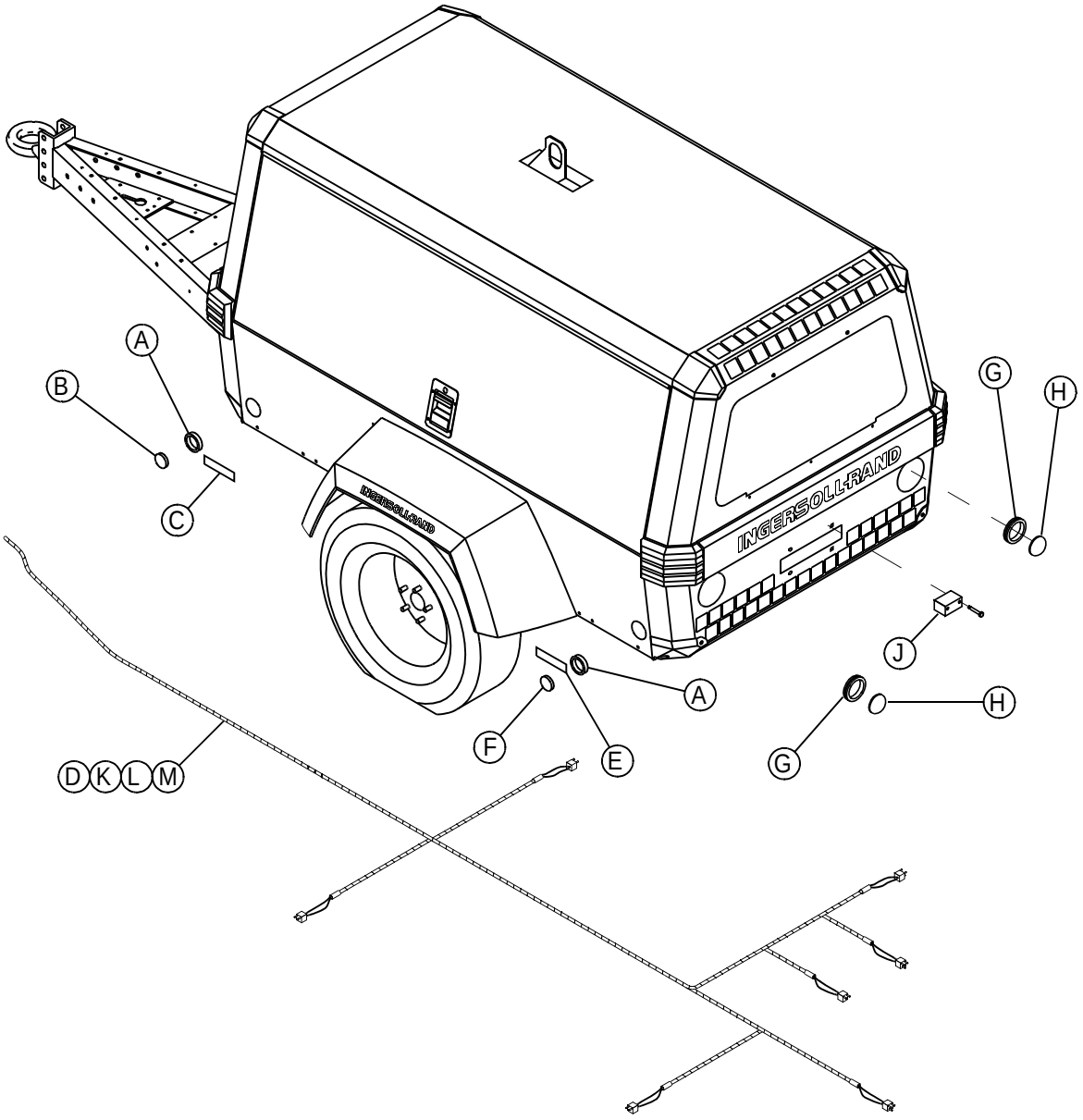
BATTERY MOUNT



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36844264	Battery	1	
B	36793743	Cable, Positive Battery	1	
C	36892685	Cable, Negative Battery	1	
D	36853257	Angle	1	
E	36878064	Tray, Battery	1	
F	35225093	Clamp, 1/2” Support	2	
G	36860005	J-Bolt	2	
H	36853265	Washer, Plastic	2	
J	95923298	Nut, Hex Lock 1/4”-20	2	
K	35279025	Screw, Tapping M08-1.25 X 20	2	
L	36783488	Strap, Ground	1	
M	96702279	Screw, Hex M10-1.50 X20	1	
N	35130293	Screw, Tapping 3/8”-16 X 0.75”	1	

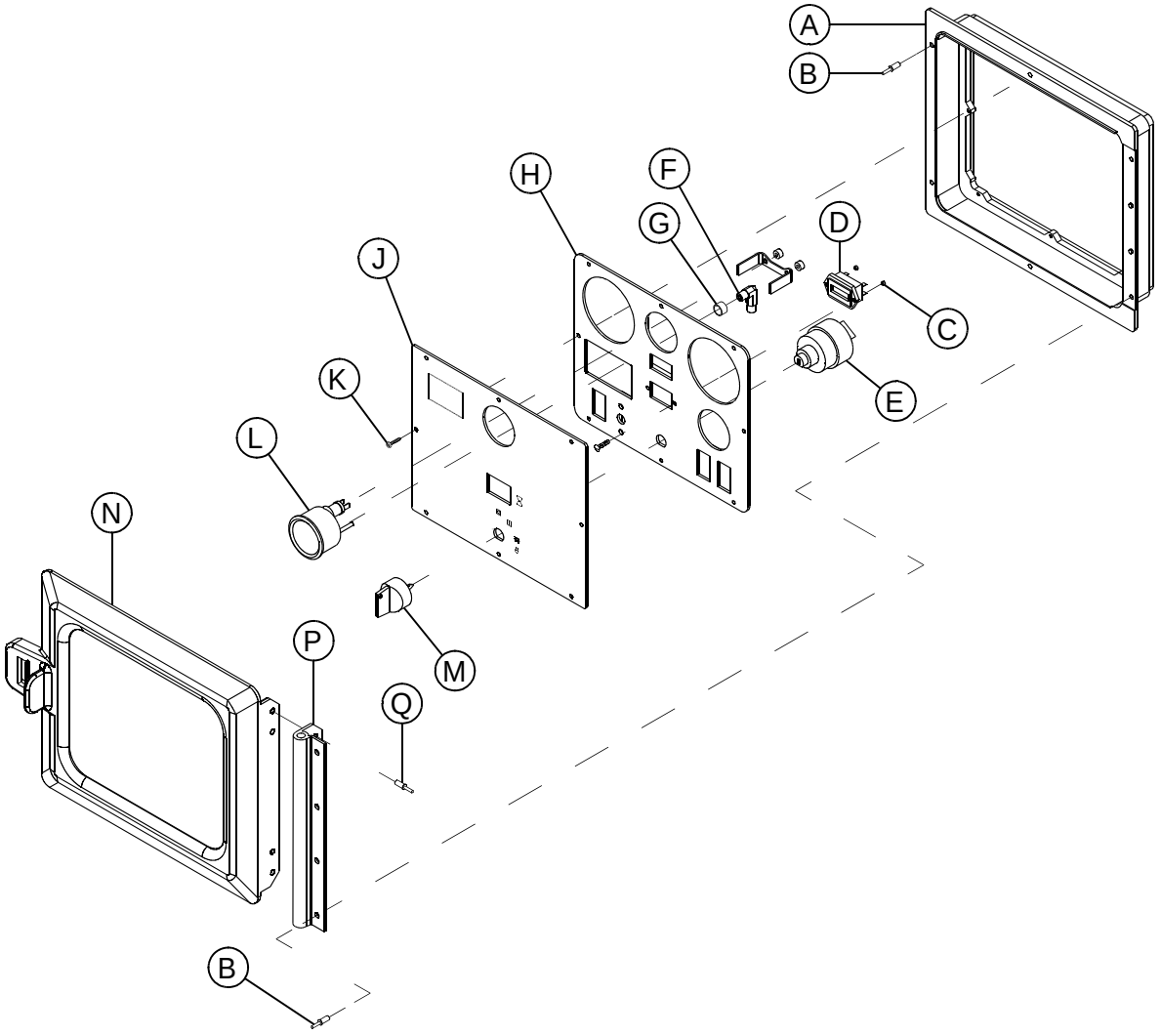
LIGHT WIRING



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36893634	Grommet, Clearence Light	4	
B	35367051	Light, Amber Clearence	2	
C	36894616	Reflector, Amber	2	
D	23050180	Harness, Trailer	1	
E	36894608	Reflector, Red	2	
F	35367044	Light, Red Clearence	2	
G	36787968	Grommet, Tail Light	2	
H	36788081	Light, Stop / Tail	2	
J	54726468	Light, License	1	
K	35253038	Clamp, Support	10	
L	35279025	Screw, Tapping M08-1.25 X 20	3	
M	92368687	Screw, Tapping M06-1.0 X 14	4	

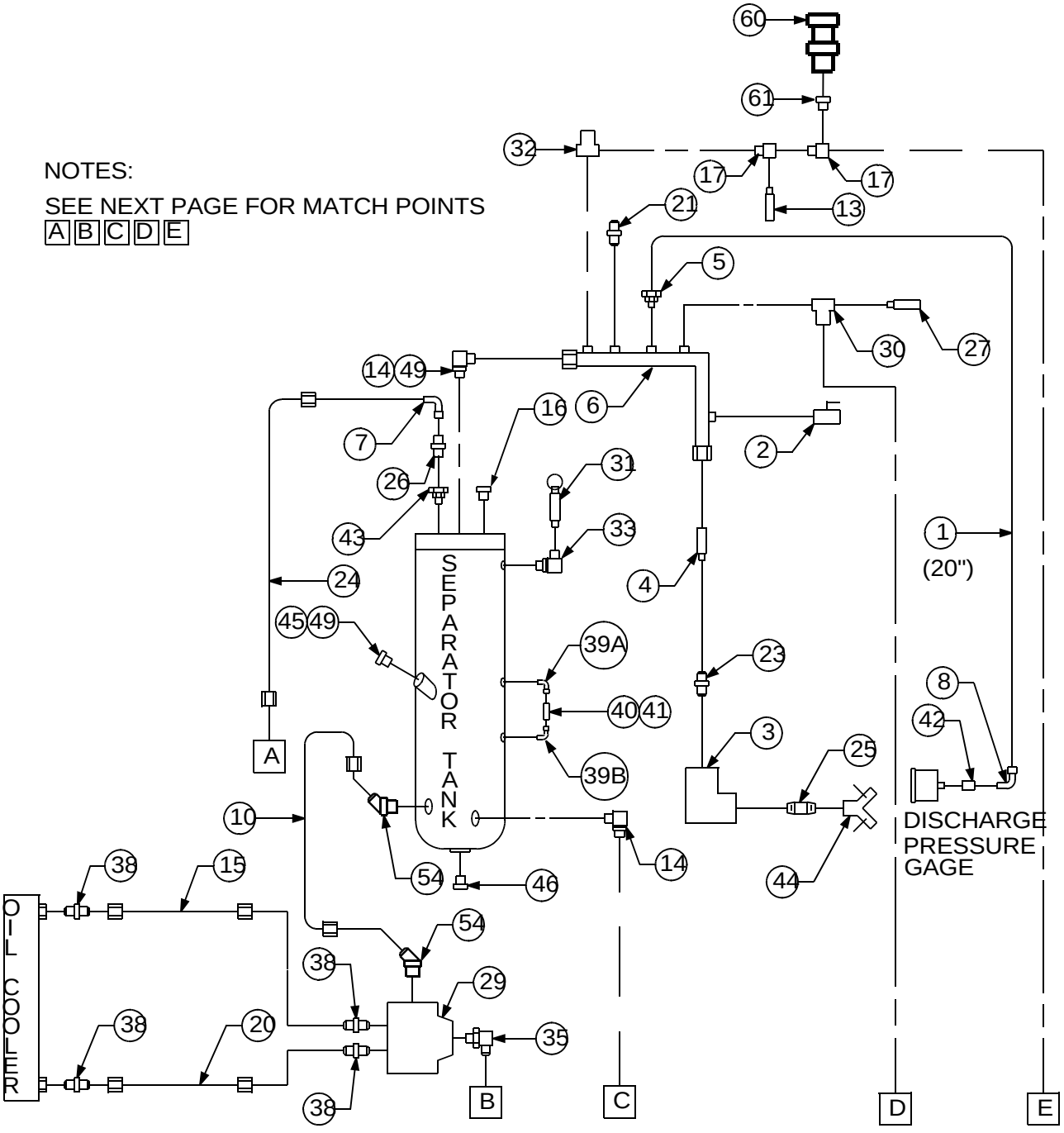
INSTRUMENT Panel



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54749601	Frame, WW Instrument Panel	1	
B	54721212	Rivet, 3/16” Aluminum	6	
C	22054159	Nut, Plastic #4-40	2	
D	22054175	Hourmeter, Elect/Mech	1	
E	22127385	Switch, Ignition	1	
F	35370386	Elbow, 90° X 1/8” NPT X 3/8” Tube	1	
G	95935599	Coupling, Straight 1/8” NPT X .75”	1	
H	22171680	Panel, Instrument	1	
J	22171698	Decal, WW Instrument Panel	1	
K	22070494	Screw ,Plastic Tapping	8	
L	36891216	Gauge, 250 PSI Pressure	1	
M	22134118	Knob Assembly	AR	Included w/ Item F
N	54482500	Door, Instrument Panel	1	
	54729199	Door, Instrument Panel (Special Paint)	1	
P	22107478	Hinge, Control Panel	1	
Q	54721220	Rivet, 3/16” Aluminum	4	

AIR & OIL SEPARATOR PIPING



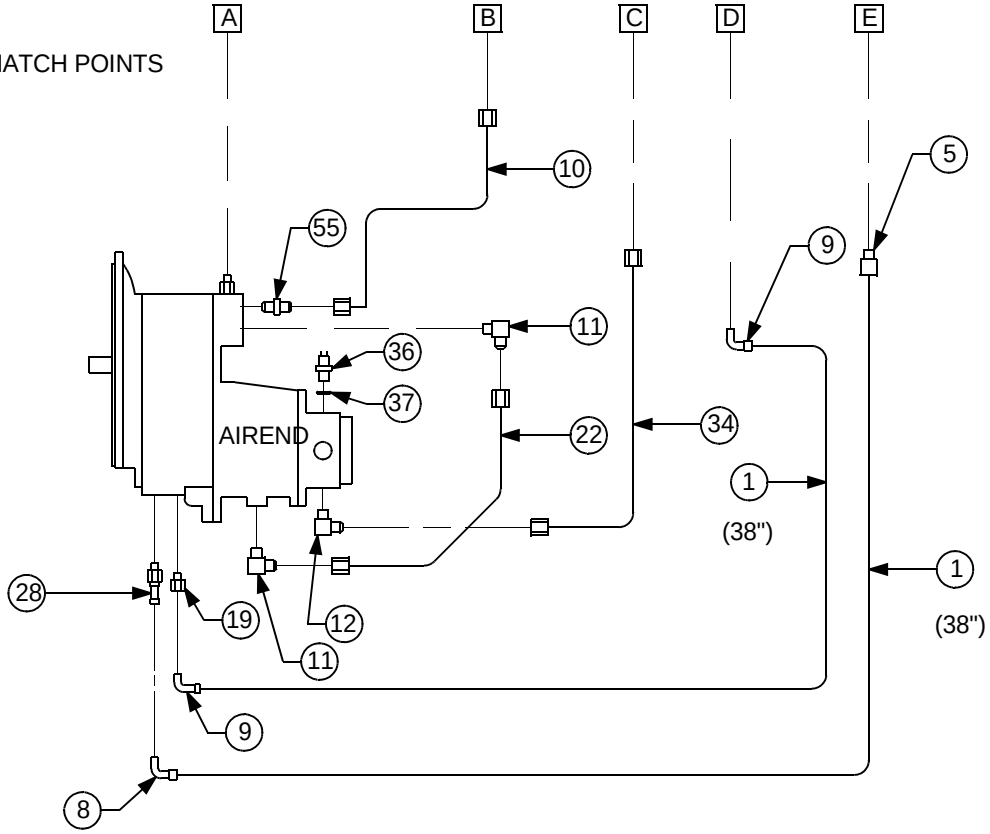
23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35356484	Tubing, 3/8” Synflex		
2	35324839	Valve, Ball		
3	95953378	Elbow, 90° X 1.25” NPT		
4	36921377	Nozzle, 0.395” Sonic Orifice		
5	35369347	Connector, Tube 1/4” NPT X 3/8” Tube		
6	22822266	Tube, Service		
7	35290352	Elbow, 90° Swivel -4 JIC		
8	35370386	Elbow, 90° X 1/8” NPT X 3/8” Tube		
10	35287721	Hose Assembly		
12	35374867	Elbow, 90° X 1 7/8”-12		
13	36766756	Muffler, Orifice 0.140”		
14	35279777	Elbow, 90° X 1.62”-12		
15	22181150	Tube Assembly, Bottom Cooler		
16	95928222	Plug, Hex Countersink 3/8” NPT		
17	35114545	Tee, Street 1/4” NPT		
20	22181143	Tube Assembly, Top Cooler		
21	22823181	Switch, Shutdown 3/8” NPT		
23	95219770	Connector, Street 1.25”-12		
24	35315407	Hose Assembly		
25	95944542	Nipple, Long 1.25” X 7”		
26	36840437	Valve, Orifice / CHECK		
27	36766772	Muffler, 0.062” Orifice		
29	23137912	Valve, Bypass		
30	35322379	Valve, Blowdown		Repair Kit 35379064
31	36920254	Valve, Safety		
32	36896892	Valve, Pressure Regulator		
33	95928164	Elbow, 90° Street 1/2” NPT		
35	35294750	Elbow, 90° X 1.06”-12		
38	35295880	Connector, Straight 1.06”-12		
39A	22685481	Elbow, Top Compression		
39B	22685499	Elbow, Bottom Compression		
40	22685515	Tube, Sight		
41	22685507	Insert, 1/4” Tube		
42	95935599	Coupling, 1/8” NPT		
43	22186381	Adapter, Oil Scavange		
44	36881076	Valve, Wye		
45	35579630	Plug, Vented 1.62”-12		
46	95280541	Plug,1.06”-12		
49	35279942	O-Ring		
54	35294727	Elbow, 45° X 1.06”-12 X -12JIC		
60	36920825	Transducer, Pressure 0-100 PSI		
61	95930301	Bushing, Reducer 1/4” NPT X 1/8” NPT		

AIR & OIL AIREND PIPING

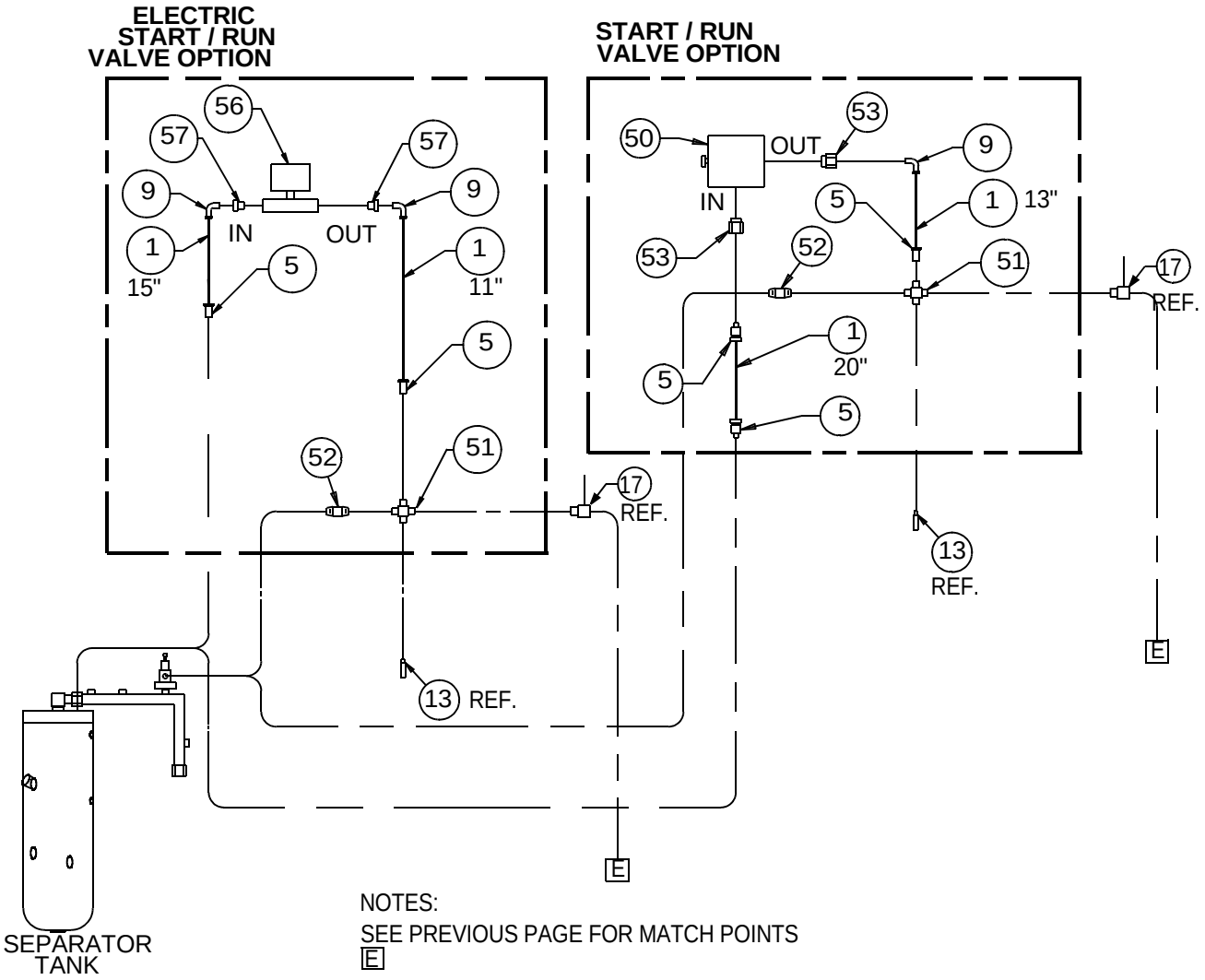
NOTES:

SEE PREVIOUS PAGE FOR MATCH POINTS
A B C D E



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35356484	Tubing, 3/8” Synflex		
5	35369347	Connector, Tube 1/4” NPT X 3/8” Tube		
8	35370386	Elbow, 90° X 1/8” NPT X 3/8” Tube		
9	35369354	Elbow, 90° X 1/4” NPT X 3/8” Tube		
10	35287721	Hose Assembly		
11	35286491	Elbow, 90° SAE 7/8”-14 X -10 JIC		
12	35374867	Elbow, 90° X 1.62”-12		
18	35369396	Tee, 1/8” NPT		
19	35302314	Adapter, 7/16”-18 X1/4” NPT		
22	36764553	Tube Assembly		
28	36886992	Valve, Check 0.078”		
34	36886752	Hose Assembly, Discharge		
36	35596436	Switch, Shut Down		
37	39404165	O-Ring		
47	35287556	Plug, Hex 5/8”-18		
48	35289057	Plug, Hex 7/16”-20		
55	36885093	Elbow, 90° Long 1.06”-12		

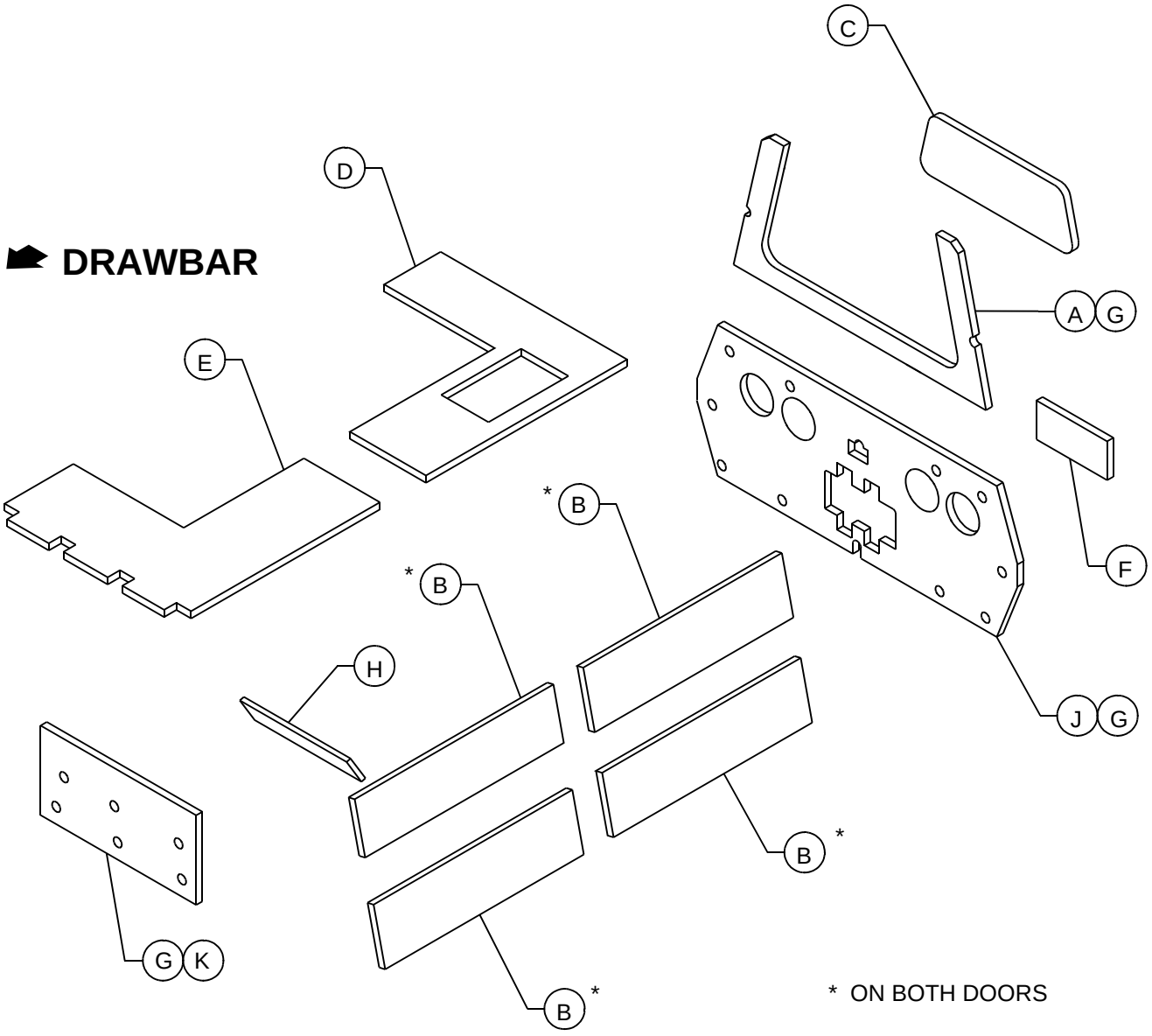
AIR & OIL OPTION PIPING



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35356484	Tubing, 3/8” Synflex		
5	35369347	Connector, Tube 1/4” NPT X 3/8” Tube		
9	35369354	Elbow, 90° X 1/4” NPT X 3/8” Tube		
13	36766756	Muffler, Orifice 0.140”		
50	36783439	Valve, 2-Way Start-Run		
51	95954293	Cross, 1/4” NPT		
52	95667341	Nipple, 1/4” NPT X .88”		
53	35302314	Adapter, 9/16” X 1/4” NPT		
56	36843142	Valve, Solenoid 12V		
57	95940748	Bushing, Reducing 3/8” NPT X 1/4” NPT		

FOAM INSULATION



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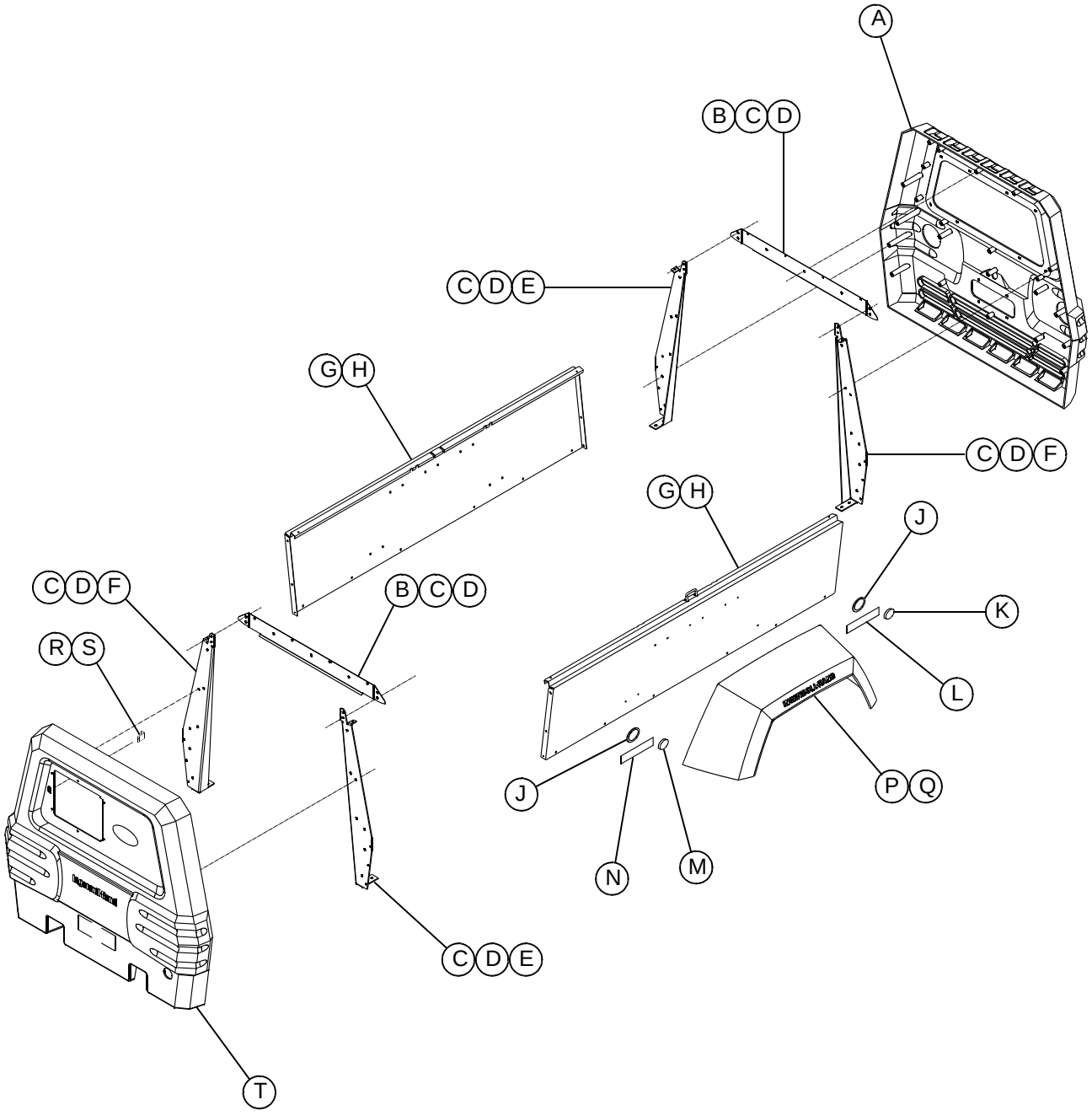
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54698089	Panel, Rear End Acoustic	1	
B	54413067	Panel, Side Door Acoustic	8	
C	36883718	Panel, Access Door Acoustic	1	
D	54389887	Panel, Rear ROOF Acoustic	1	
E	54828979	Panel, Front ROOF Acoustic	1	
F	54698105	Panel, Access Door Acoustic	1	
G	54724125	Clip, Xmas Tree	19	
H	36886166	Panel, Inlet Baffle Acoustic	1	
J	54698097	Panel, Bottom Rear End Acoustic	1	
K	22876262	Panel, Front End Acoustic	1	

LOWER ENCLOSURE



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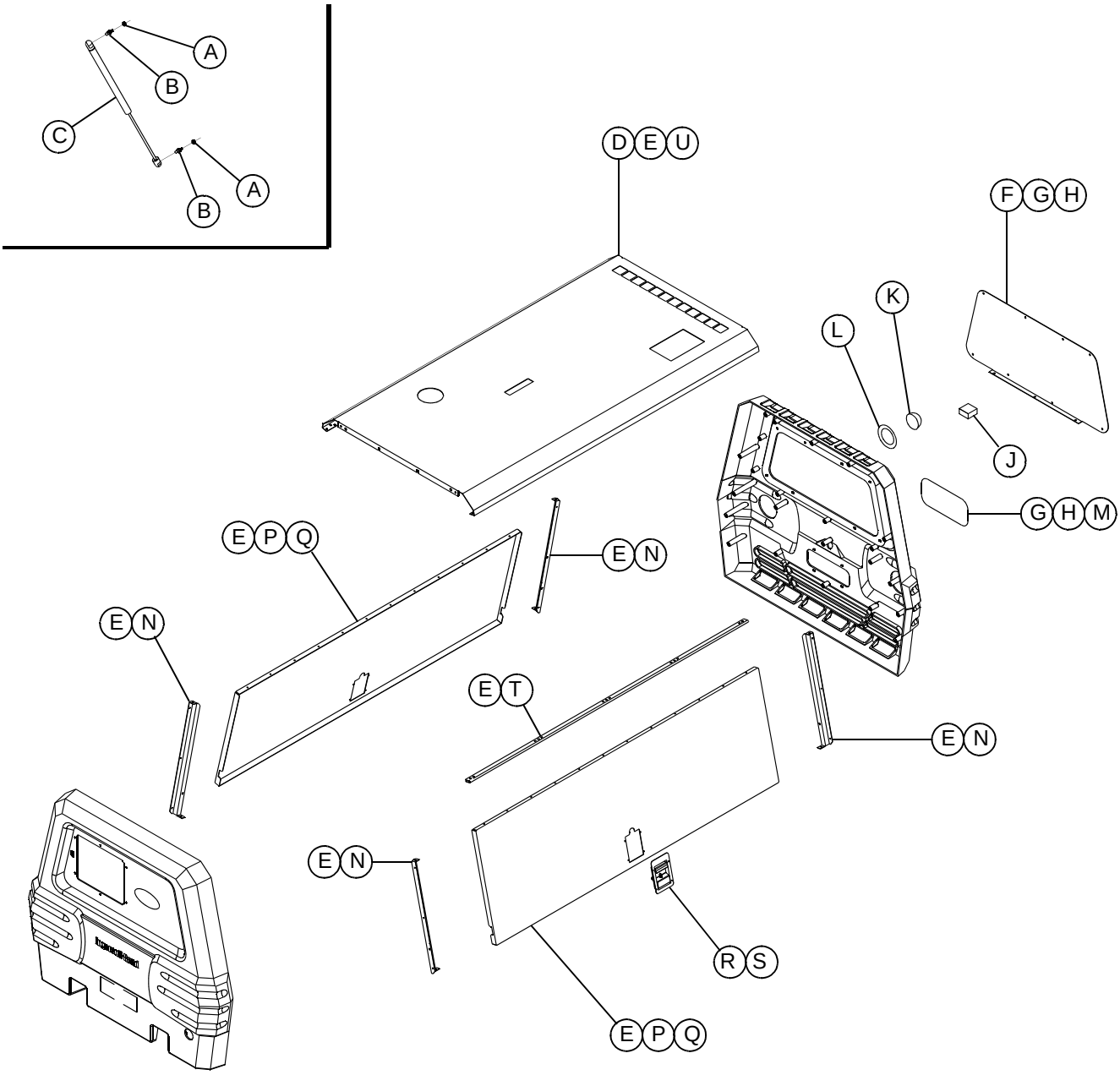
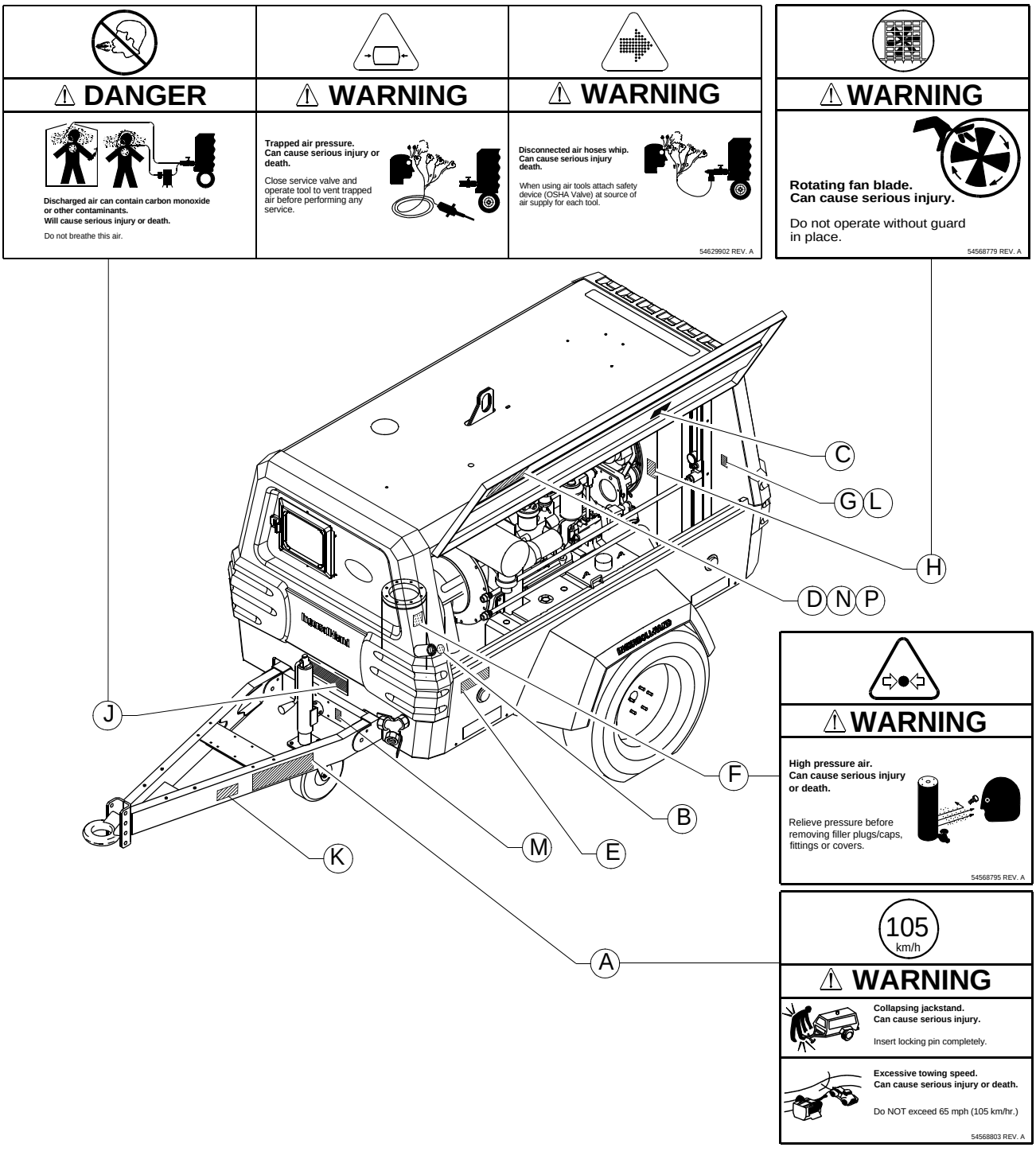
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54473525	Endcap, Rear	1	
	54729140	Endcap, Rear (Special Paint)	1	
B	54602719	Crossmember, Endcap	2	
C	35279025	Screw, Tapping M08-1.25 X 20	16	
D	54721238	Screw, 11/32” HI-LO	22	
E	54631783	Stiffner, Plastic Endcap	1	
F	54631775	Stiffner, Plastic Endcap	1	
G	36894194	Panel with Lights, Side	2	
	54529433	Panel with Lights, Side (Galvanneal)	2	
	36889525	Panel no Lights, Side	2	
	54658562	Panel no Lights, Side (Galvanneal)	2	
H	36797652	Screw, Tapping M06-1.0 X 12	12	
J	36893634	Grommet, Clearance Light	4	
K	35367044	Light, Red Clearance	2	
L	36894608	Reflector, Red	2	
M	35367051	Light, Amber Clearance	2	
N	36894616	Reflector, Amber	2	
P	36877579	Fender	2	
Q	92368687	Screw, Tapping M06-1.0 X 14	10	
R	54721212	Rivet, 3/16” Aluminum	2	
S	54482518	Latch, Plastic Endcap	1	
	54729181	Latch, Plastic Endcap (Special Paint)	1	
T	54473517	Endcap, Front	1	
	54729132	Endcap, Front (Special Paint)	1	

UPPER ENCLOSURE



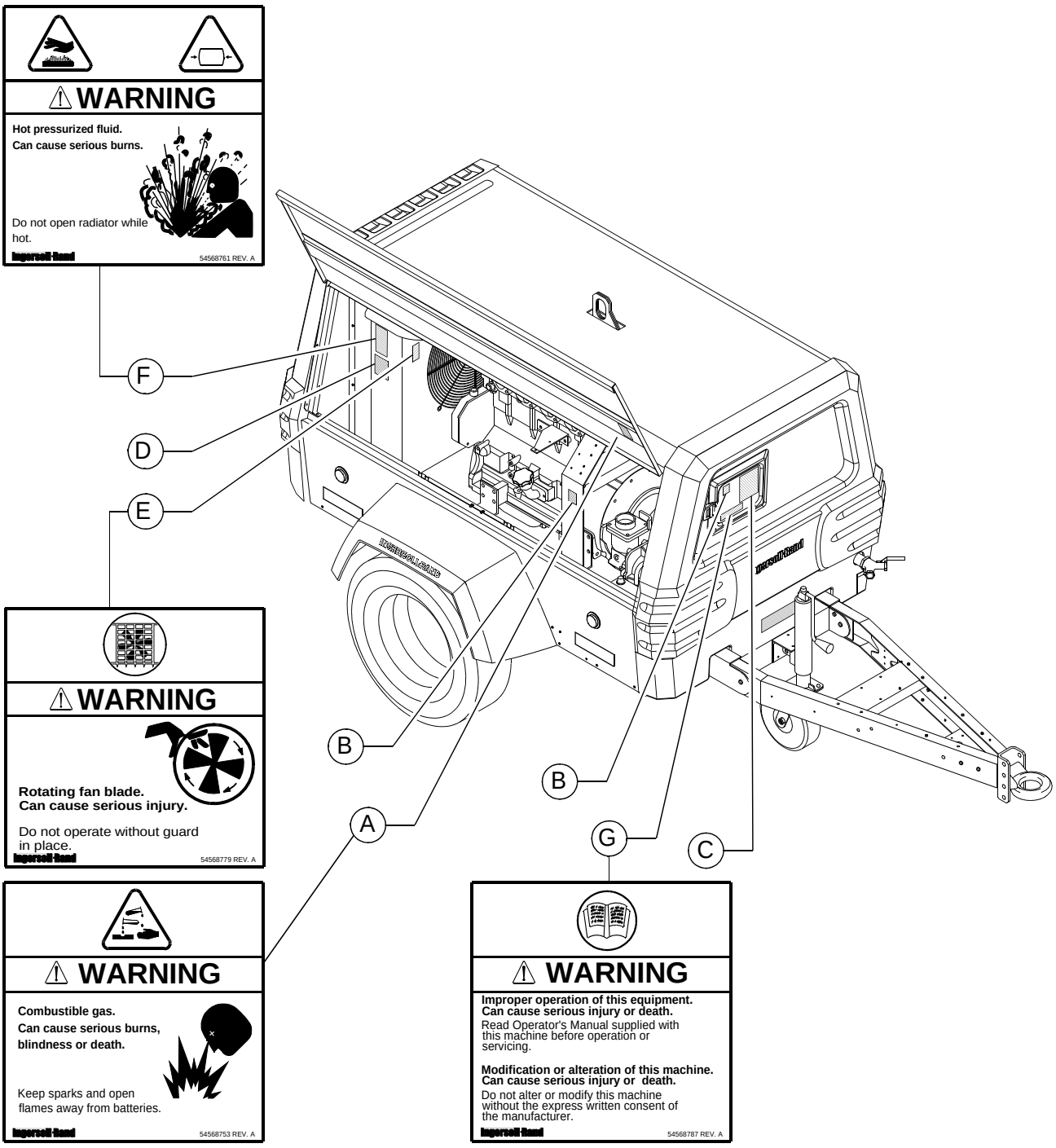
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36881886	Nut, Hex Flange M08-1.25	8	
B	35337328	Stud, Ball M08	8	
C	35600287	Spring, Gas	4	
D	22242358	Roof (Standard)	1	
	22242382	Roof (Galvanneal)	1	
E	36797652	Screw, Tapping M06-1.0 X 12	46	
F	36883445	Cover, Cooler Access	1	
	54529326	Cover, Cooler Access (Galvanneal)	1	
G	54724117	Grommet, Screw	12	
H	36885085	Screw, Tapping 1/4-10 X .75”	12	
J	54726468	Light, License	1	
K	36788081	Light, Stop / Tail	2	
L	36787968	Grommet	2	
M	36883452	Cover, Cooler Access	1	
	54529334	Cover, Cooler Access (Galvanneal)	1	
N	36889558	Stop, Door	4	
	54529417	Stop, Door (Galvanneal)	4	
P	36889509	Door	2	
	54529375	Door (Galvanneal)	2	
Q	36865293	Bumper, Rubber	6	
R	36793602	Latch, Slam Door	2	
S	36794816	Rivet, 3/16” X 1/8”	8	
T	36883437	Hinge, Door	2	
U	35310622	Plug, 2.0” Hole	1	

STSD DECAL LOCATION



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568803	2-Part Drawbar Warning	1	
B	54604970	Oil Fill	1	
C	54625207	Diesel Fuel	1	
D	23303829	Laminet Set	1	
E	36531176	V. I. N.	1	
F	54568795	High Pressure Warning	1	
G	23230857	Serial Number Plate	1	
H	54568779	Rotating Fan Warning	1	
J	54629902	3-Part Danger/Warning	1	
K	54604921	Tow Chains Notice	1	
L	36794816	Rivet, 3/16” X 1/8”	2	
M	36514602	EPA Noise	1	
N	36788982	Binder, 3 Ring	1	
P	22068282	Screw, Tapping M04 X 25	2	

CRBSD DECAL LOCATION

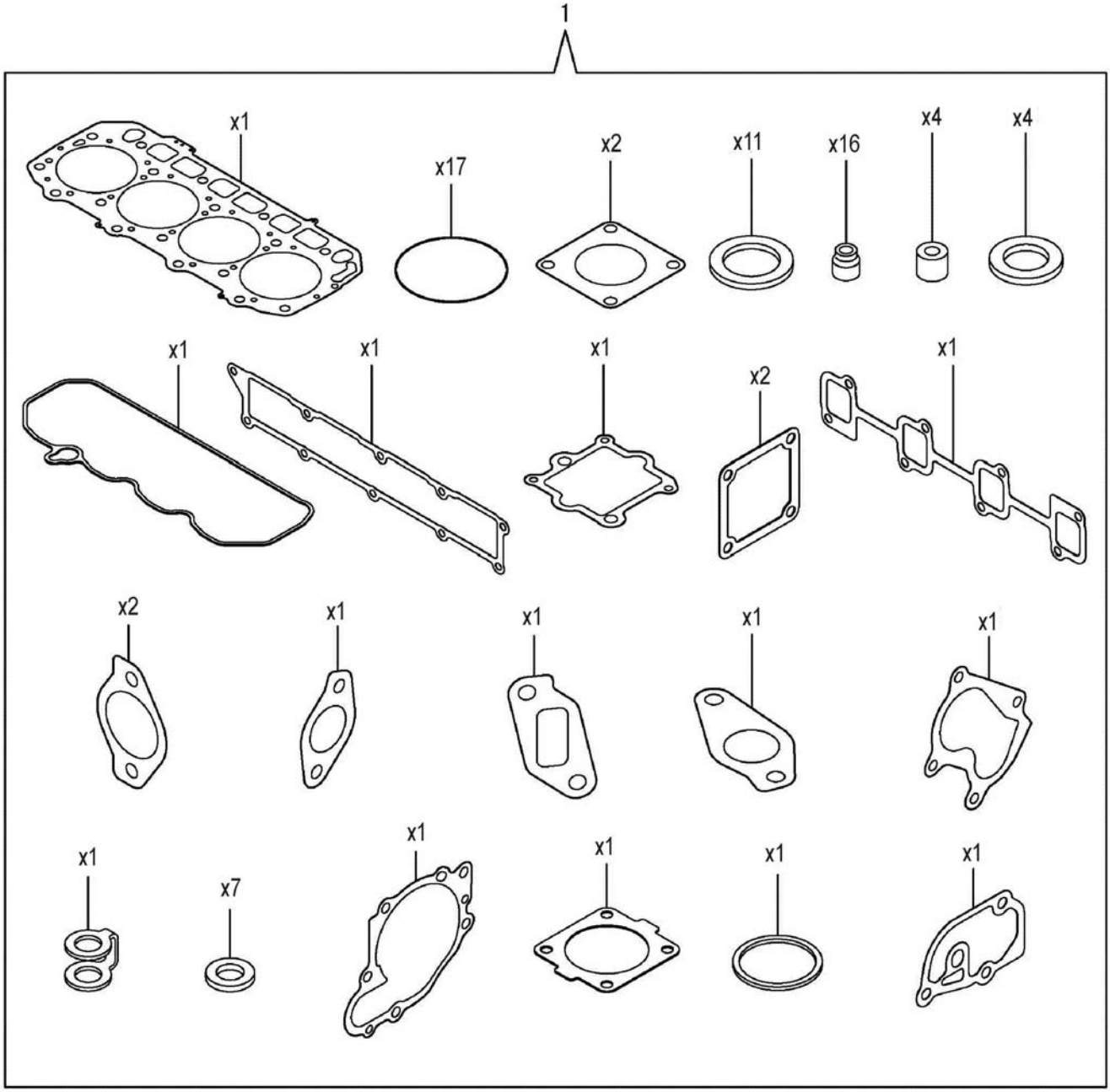


23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	54568753	Battery Gas Warning	1	
B	54454756	NO Ether	2	
C	54749163	Operating Instructions	1	
D	54604962	Radiator Fill	1	
E	54568779	Rotating Fan Warning	1	
F	54568761	Hot Pressurized Fluid Warning	1	
G	54568787	Improper Operation	1	

Section C - ENGINE PARTS

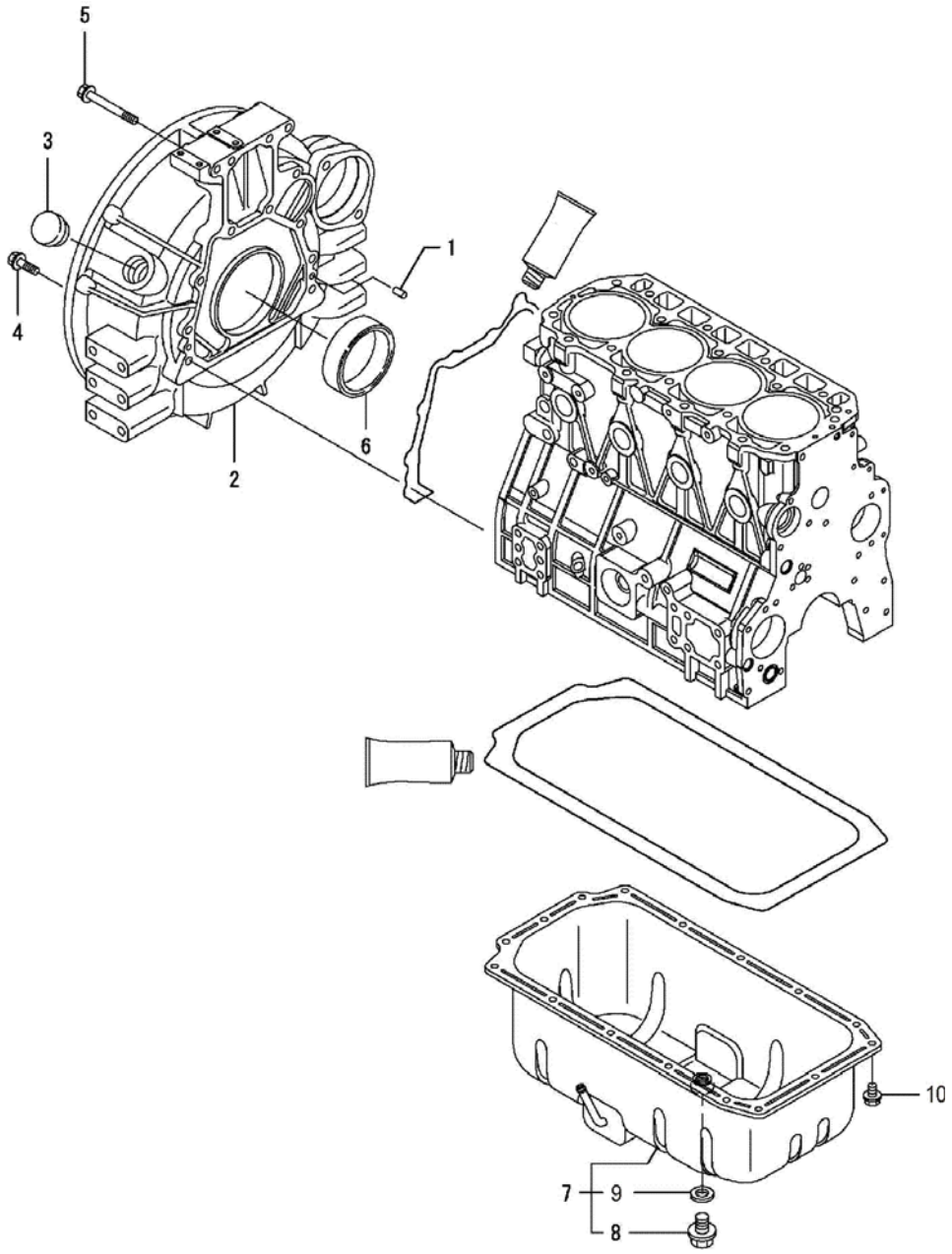
ENGINE OVERHAUL GASKET SET



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23286628	Gasket Set	AR	

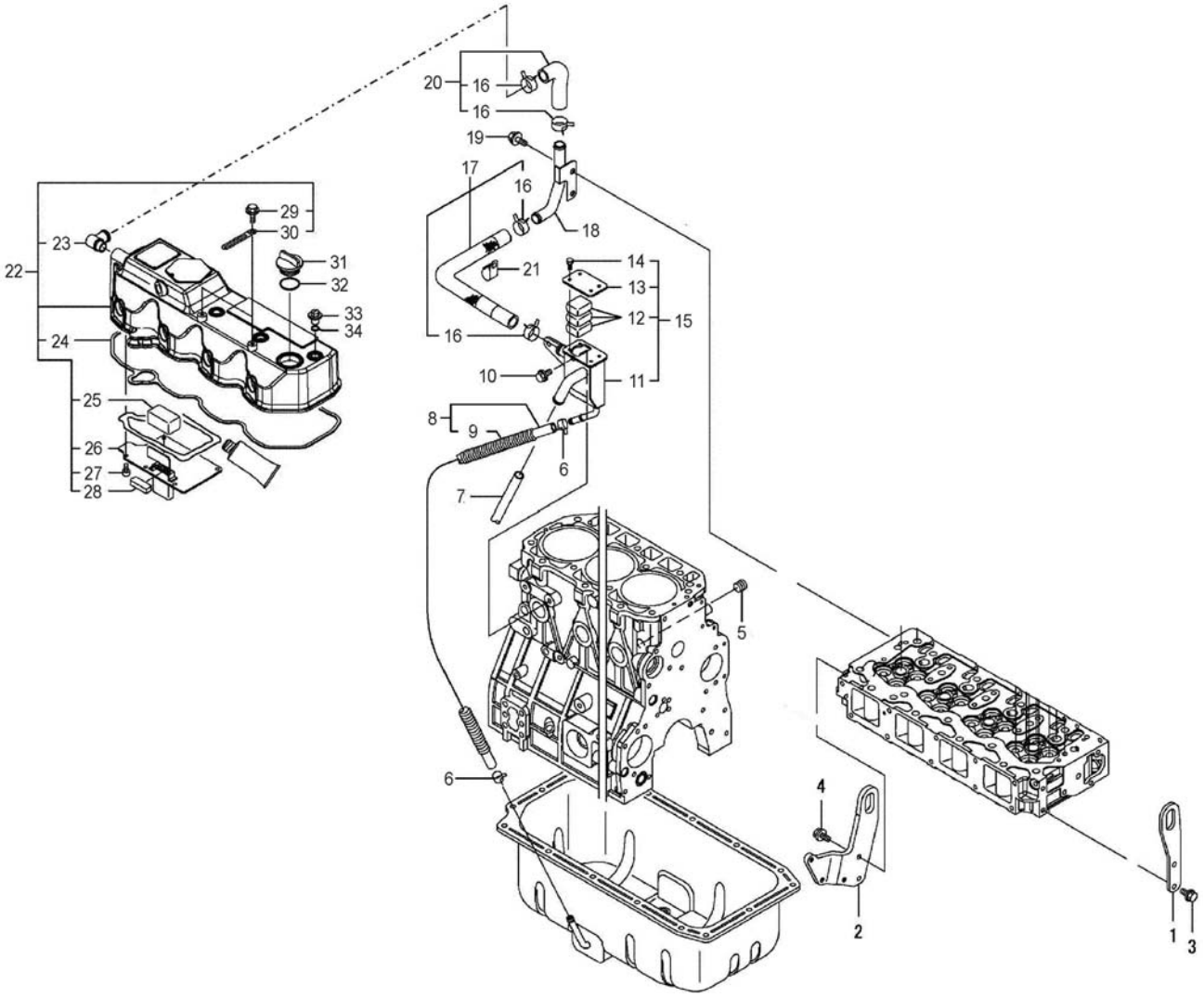
FLYWHEEL HOUSING and OIL PAN



23294648_04/08_A10

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15898364	Pin, Dowel 8X16	2	
2	16539561	Housing, Flywheel	1	
3	15899362	Cap, Flywheel Cover	1	
4	15894926	Bolt, M10 X 35 Plated	9	
5	15894934	Bolt, M10 X 70 Plated	4	
6	23285679	Seal, Rear Oil	1	
7	23285679	Pan Assembly, Oil	1	
8	23285711	Plug, Drain M16	1	
9	23285737	Washer, Seal 16S	1	
10	15899040	Bolt, M08 X 12 Plated	16	

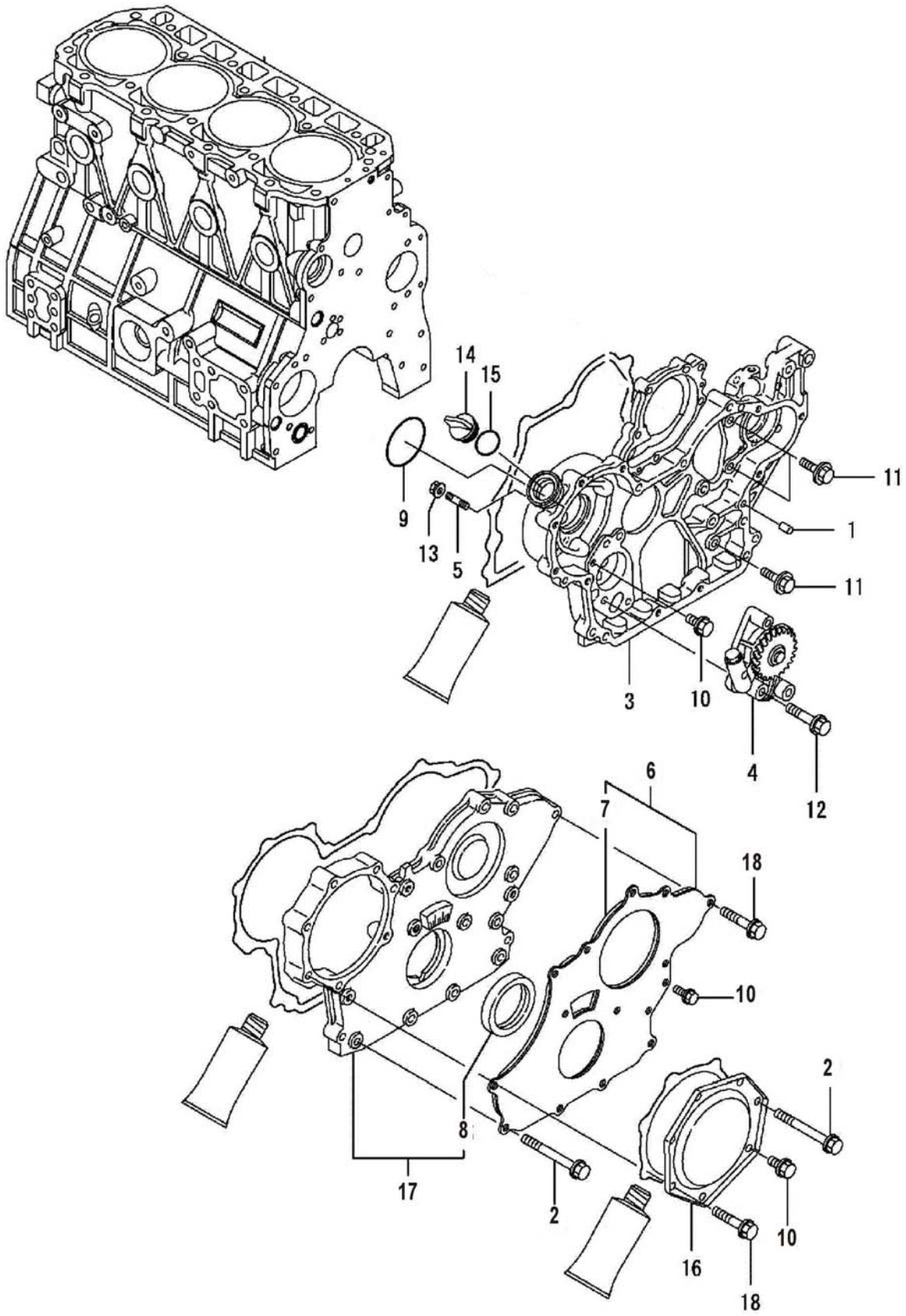
VALVE COVER and PVC BREATHER



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15895816	Lifter, Engine	1	
2	23285745	Bracket, Engine Lift	1	
3	15899065	Bolt, M08 X 16 Plated	2	
4	15899073	Bolt, M08 X 20 Plated	2	
5	15898943	Plug, 3/8” NPT	1	
6	23285869	Clamp 19	2	
7	23285877	Hose, 16 X 250	1	
8	23285844	Hose Assembly, Lower Breather	1	
9	23285851	Protector, Pipe	1	
10	15899057	Bolt, M08 X 14 Plated	2	
11	23285836	Separator, Mist	1	
12	16539017	Filter, Steel Wool	3	
13	23285828	Cover, Separator	1	
14	16539694	Bolt, M05 X10 Plated	4	
15	23285810	Separator Assembly, Mist	1	
16	15898638	Clamp 24	2	
17	23285802	Hose Assembly with Clamps	1	
18	23285885	Pipe, Breather	1	
19	15899040	Bolt, M08 X 12 Plated	2	
20	23285893	Hose Assembly, Top Breather	1	
21	16539140	Clamp, Hose Support 22	1	
22	23285752	Cover Assembly, Valve	1	
23	16538936	Elbow, Valve Cover Breather	1	
24	23285786	Gasket, Valve Cover	1	
25	15896095	Baffle	1	
26	23285760	Plate, Valve Cover Baffle	1	
27	15898919	Screw, M05 X 10 Tapping	6	
28	23285778	Baffle	1	
29	15896756	Bolt, M06 X 12 Plated	2	
30	23285794	Clip	1	
31	15898182	Cap, Oil Filler	1	
32	15898984	O-Ring 1A P-32.0	1	
33	15898216	Knob	4	
34	15898968	O-Ring 1A P 12.0	4	

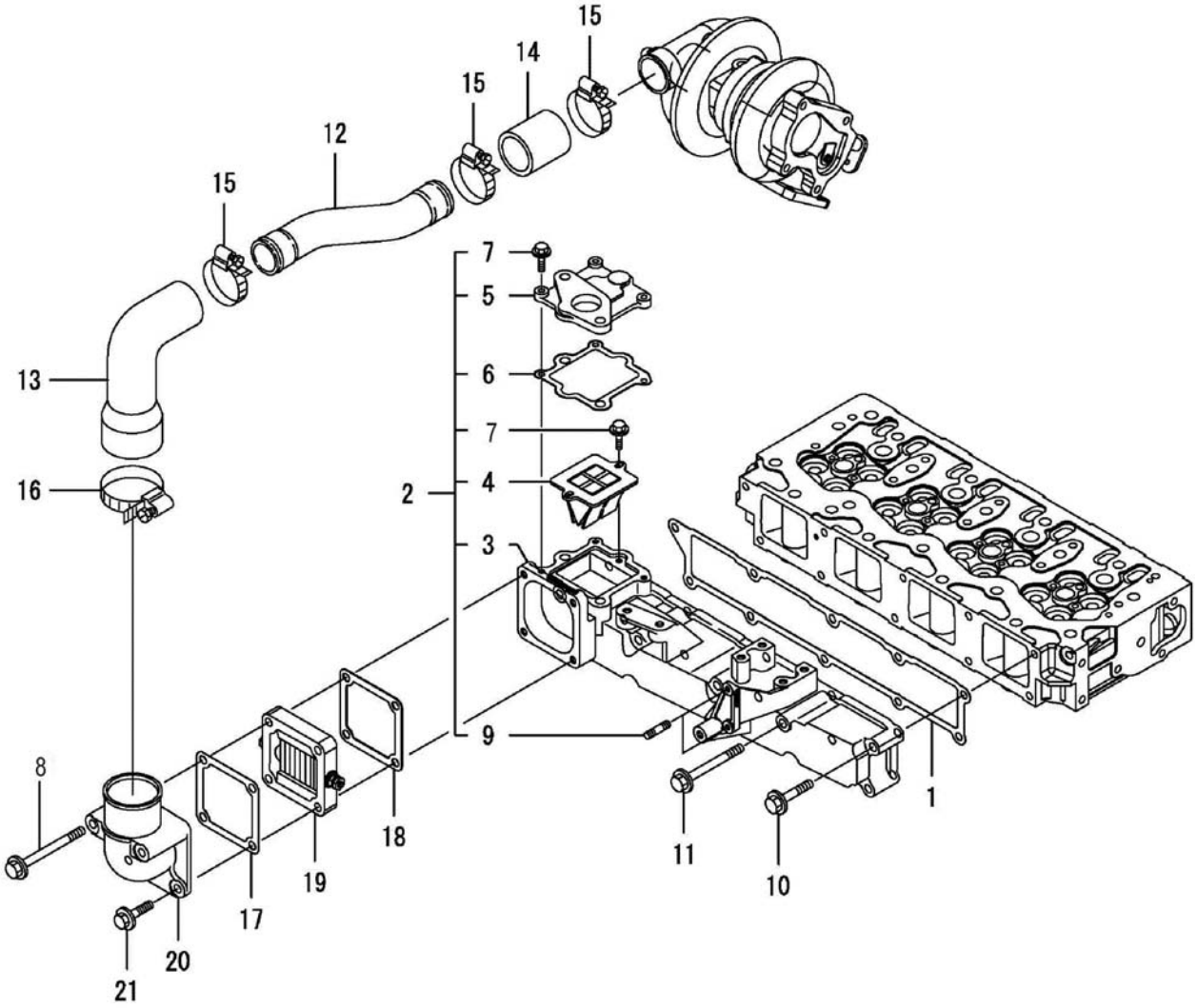
TIMING GEAR COVER



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15898364	Pin, 8 X 16 Dowel	4	
2	15895725	Bolt, M08 X 70 Plated	7	
3	22402648	Housing, Gear	1	
4	16539355	Pump Assembly, Oil	1	
5	16539702	Stud, Gear Housing / Block	4	
6	15895766	Cover Assembly, Timing	1	
7	15895774	Sponge	1	
8	23285661	Seal, Front Oil	1	
9	15895741	Packing, 3075	1	
10	15899065	Bolt, M08 X 16 Plated	5	
11	15899073	Bolt, M08 X 20 Plated	3	
12	15899123	Bolt, M08 X 45 Plated	3	
13	15899206	Nut, Hex Fange M10-1.5	4	
14	15898182	Cap, Oil Filler	1	
15	15898984	O-Ring 1A P-32.0	1	
16	15895659	Cover, Fuel Injection Pump	1	
17	23285653	Cover, Front Gear Housing	1	
18	15899115	Bolt, M08 X 40 Plated	10	

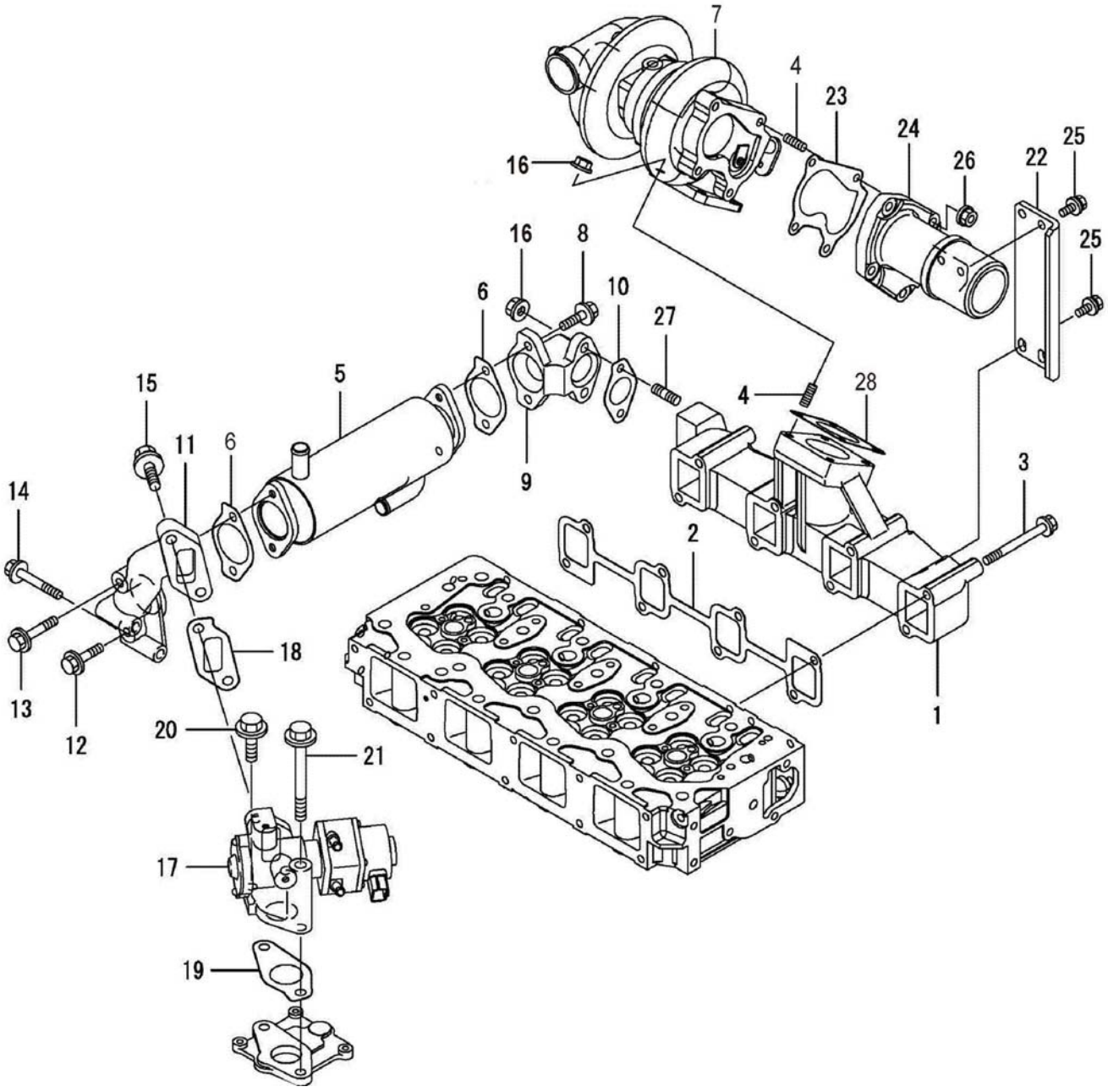
INTAKE MANIFOLD



23294648_04/08_A

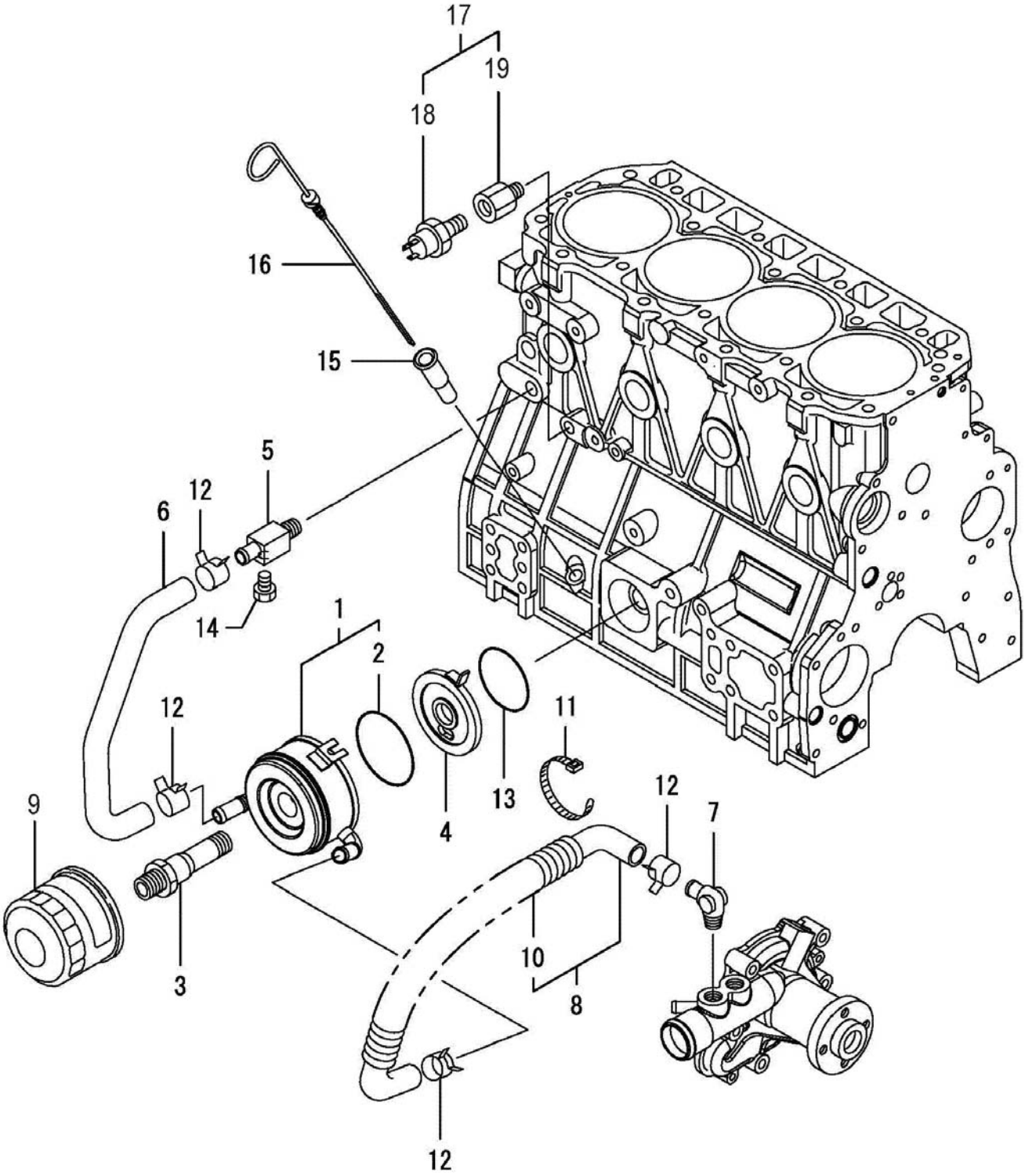
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15896178	Gasket, Intake Manifold	1	
2	23285901	Manifold Assembly, Intake	1	
3	23285927	Manifold, Intake	1	
4	23285935	Valve, EGR Reed	1	
5	23285943	Spacer, EGR Valve	1	
6	23285950	Gasket, EGR Valve Spacer	1	
7	15899032	Bolt, M06 X 20 Plated	5	
8	23286040	Bolt, M8 X 90 Plated	2	
9	23285968	Stud, M6 X 20 Plated	2	
10	15899123	Bolt, M08 X 45 Plated	6	
11	15899156	Bolt, M08 X 80 Plated	4	
12	23285976	Tube, Turbo Intake	1	
13	23285984	Elbow, Molded Intake Hose	1	
14	16539108	Tube, Air Intake / Turbo	1	
15	16539611	Clamp, Hose 54	3	
16	23285992	Clamp, Hose 70	1	
17	23286008	Gasket, Intake Air Elbow to Air Heater	1	
18	15896202	Gasket, Air Heater (Non-Asbestos)	1	
19	23286016	Heater, Intake Air	1	
20	23286032	Elbow, Intake Air	1	
21	15899115	Bolt, M08 X 40 Plated	2	

EXHAUST MANIFOLD



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23286057	Manifold, Exhaust	1	
2	15896236	Gasket, Exhaust Manifold	1	
3	15899438	Bolt, M8 X 80	8	
4	15897069	Stud, M08 X 22	8	
5	23286073	Cooler, EGR	1	
6	23286081	Gasket, EGR Cooler	2	
7	16539496	Turbocharger	1	
8	23286107	Bolt, M8 X 25	2	
9	23286123	Elbow, EGR Cooler Inlet	1	
10	23286131	Gasket, EGR Inlet Elbow to Manifold	1	
11	23286149	Elbow, EGR Cooler Outlet	1	
12	15899107	Bolt, M08 X 35 Plated	1	
13	15899123	Bolt, M08 X 45 Plated	1	
14	15899149	Bolt, M08 X 55 Plated	2	
15	23286156	Bolt, M10 X 25 Plated	2	
16	15899198	Nut, Hex Flange M08-1.25	6	
17	23286164	Valve, EGR	1	
18	23286172	Gasket, EGR Valve Inlet	1	
19	23286180	Gasket, EGR Valve Outlet	1	
20	23286198	Bolt, M10 X 40 Plated	1	
21	23286206	Bolt, M10 X 105 Plated	1	
22	16539306	Bracket, Turbocharger Outlet	1	
23	16539033	Gasket, Turbocharger Outlet	1	
24	16539322	Pipe, Turbocharger Outlet	1	
25	23286214	Bolt, M8 X 20	4	
26	15899198	Nut, Hex Flange M08-1.25	4	
27	16539157	Stud, M8 X 20	2	
28	16539173	Gasket, Exhaust Manifold / Turbo	1	

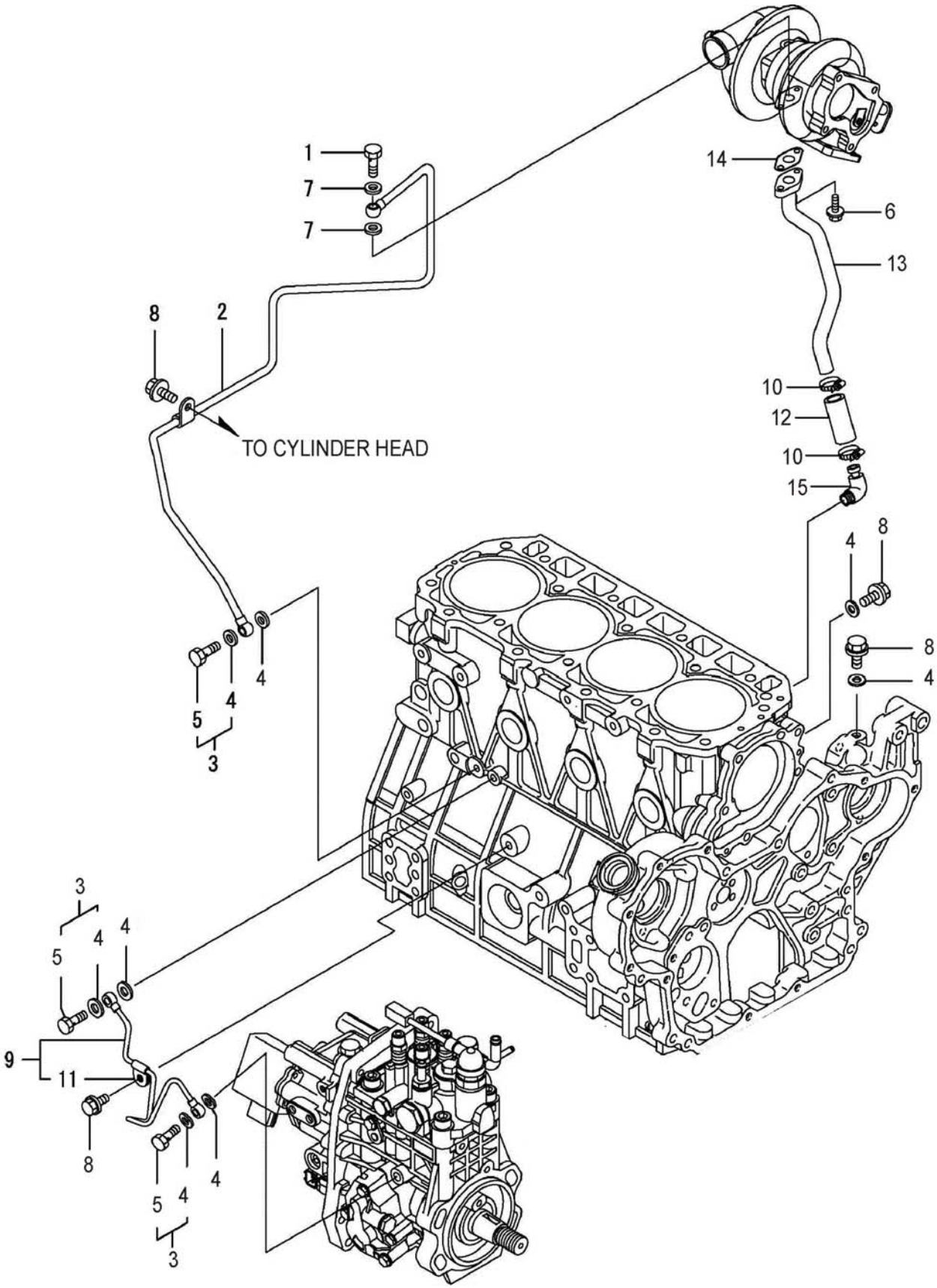
OIL FILTER



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	16539363	Cooler, Oil	1	
2	23286222	O-Ring	1	
3	16539082	Nipple, Oil Filter to Oil Cooler	1	
4	16539371	Bracket, Oil Cooler	1	
5	16539132	Adapter, Block to Oil Cooler Inlet	1	
6	16539405	Pipe, Cooling Water	1	
7	16539165	Elbow, 3/8" NPT	1	
8	16539066	Pipe Assembly, Oil Cooler to Water Pump	1	
9	22226351	Element Assembly, Oil Filter	1	
10	16539074	Protector, Oil Cooler to Water Pump Pipe	1	
11	15894777	Clamp 140	1	
12	16539603	Clamp, Hose 25	4	
13	16539637	O-Ring 1A G-60.0	1	
14	15898836	Plug, Drain	1	
15	15898117	Guide, Dipstick	1	
16	23286230	Dipstick	1	
17	16538985	Switch Assembly, Oil Pressure & Adapter	1	
18	16538977	Switch, Oil Pressure	1	
19	16538951	Adapter, Oil Pressure Switch	1	

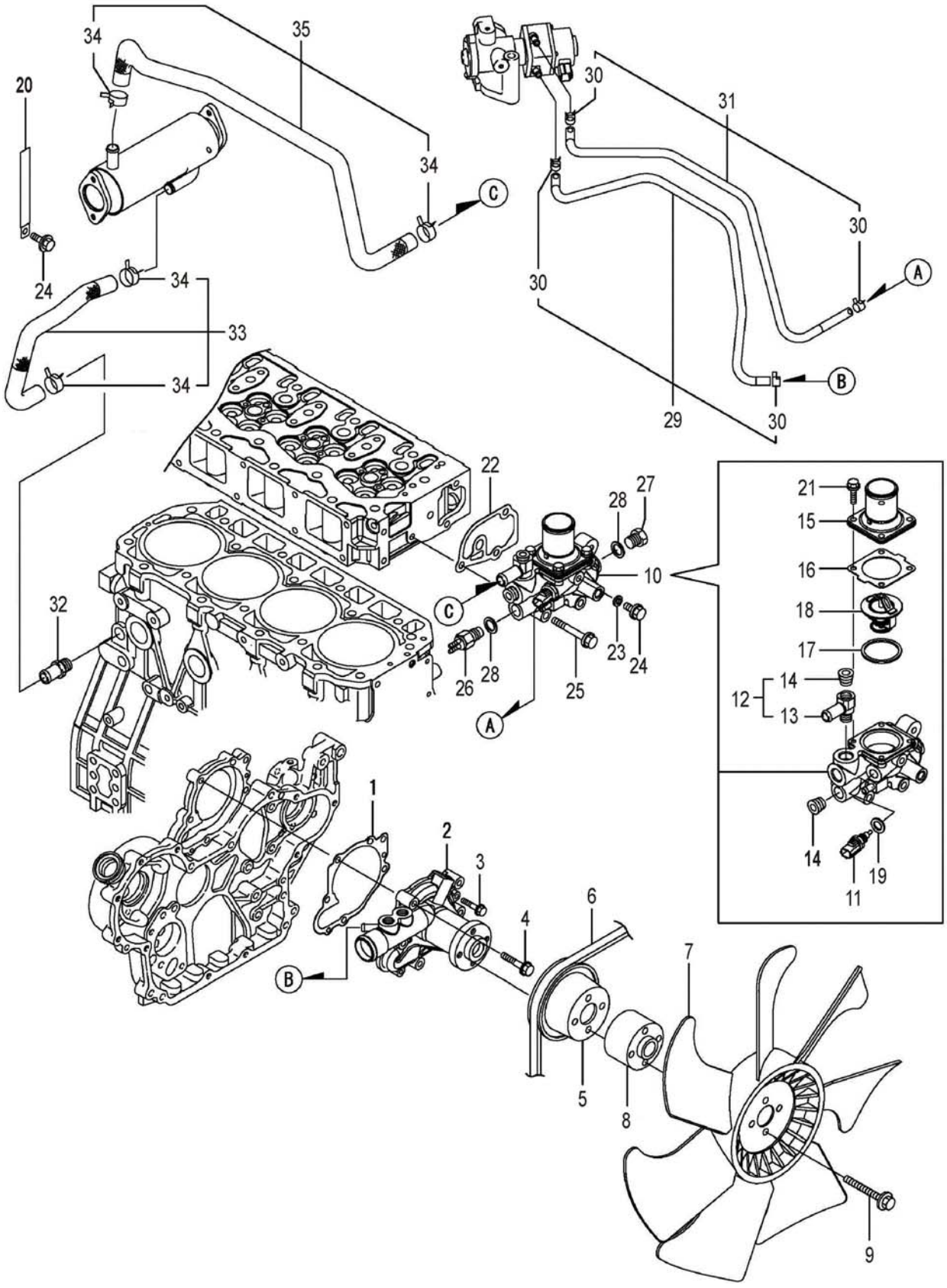
LUBRICATION PIPING



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	16539009	Bolt, Pipe Joint	1	
2	23286248	Tube Assembly, Turbo Oil	1	
3	15898356	Bolt Assembly, Joint	1	
4	15898851	Washer, 8S Seal	8	
5	15898935	Bolt, Joint 3	3	
6	15899024	Bolt, M06 X 16 Plated	2	
7	16539629	Gasket, Round M10	2	
8	15899040	Bolt, M08 X 12 Plated	4	
9	23286255	Tube Assembly, Injection Pump Oil	1	
10	16539603	Clamp, Hose 25	2	
11	16539058	Clamp, Pipe Support	1	
12	16539041	Hose, Turbocharger Oil Drain	1	
13	16539553	Pipe, Turbocharger Drain	1	
14	16539397	Gasket, Oil Drain Tube	1	
15	16539116	Elbow, 3/8" NPT	1	

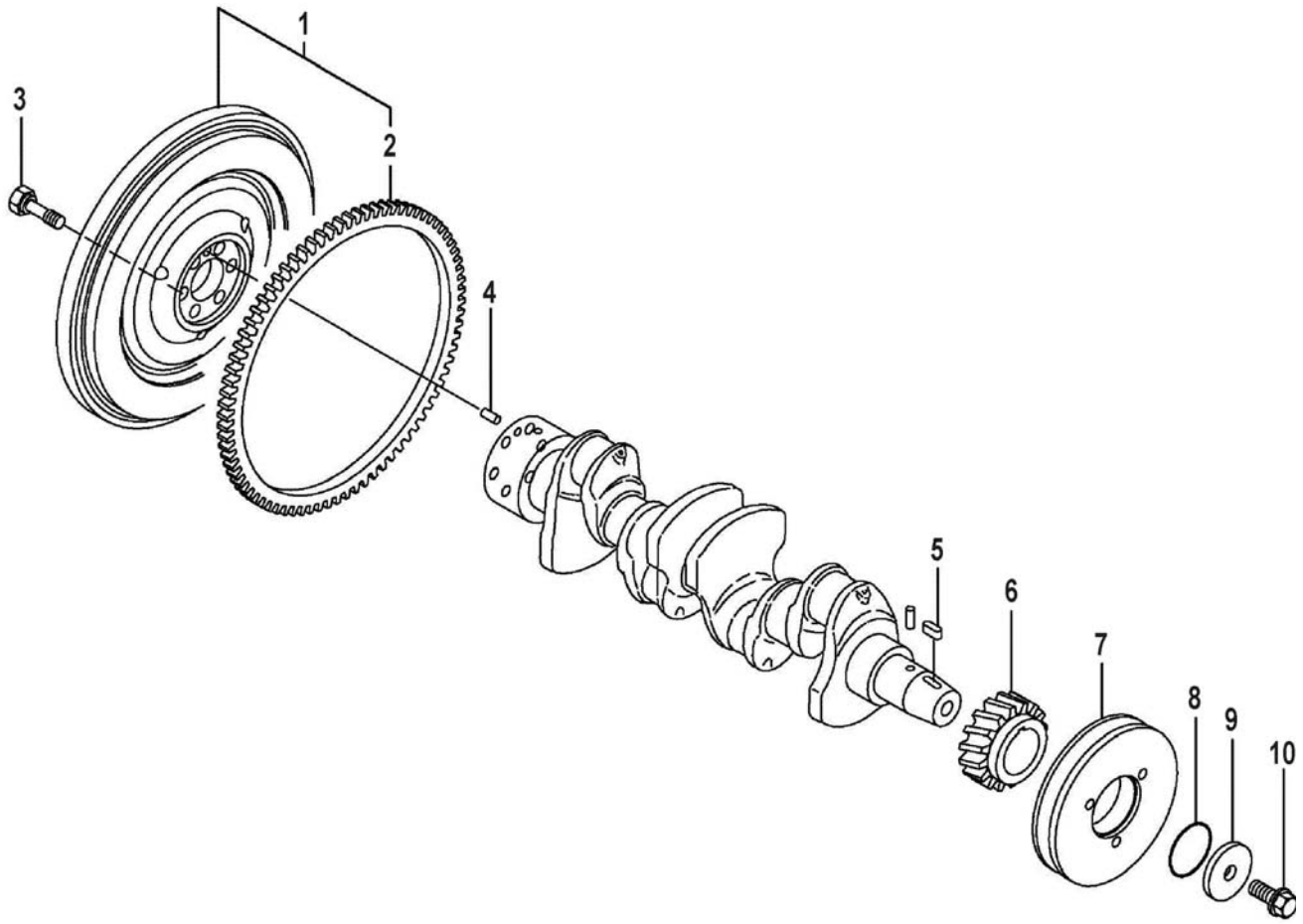
WATER PUMP and THERMOSTAT



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15896590	Gasket, Water Pump	1	
2	23286271	Pump Assembly, Water	1	
3	15896608	Bolt, M06 X 30 Plated	2	
4	15899149	Bolt, M08 X 55 Plated	5	
5	15896616	V-Pulley, Fan	1	
6	16539645	V-Belt, B45 Fan	1	
7	16539090	Fan, 550 Pusher	1	
8	15896640	Spacer, Fan	1	
9	16539686	Bolt, M10 X 70 Plated	4	
10	23286289	Case Assembly, Thermostat	1	
11	23286297	Thermocouple	1	
12	23286305	Tee with Plug, Branch Hose	1	
13	23286313	Tee, Branch Hose	1	
14	15896749	Plug, 3/8" NPT Steel	2	
15	15896673	Cover, Thermostat	1	
16	15896681	Gasket, Thermostat Cover	1	
17	15896699	Gasket, Thermostat	1	
18	15896715	Element, Thermostat	1	
19	23286321	Washer, Seal 12	1	
20	23286396	Crip 150-M8	1	
21	15899032	Bolt, M06 X 20 Plated	4	
22	15896764	Gasket, Thermostat Case	1	
23	15898927	Gasket, 8 Round	1	
24	15899040	Bolt, M08 X 12 Plated	2	
25	15895105	Bolt, M08 X 60 Plated	3	
26	15898059	Switch, Water Temperature	1	
27	15898109	Plug, M16	1	
28	15898240	Gasket 16	2	
29	23286339	Pipe Assembly, A Water	1	
30	23286347	Clamp 12	4	
31	23286354	Pipe Assembly, B Water	1	
32	23286362	Fitting, Straight Hose	1	
33	23286370	Pipe Assembly, Water Inlet	1	
34	16539512	Clamp, Hose 22	2	
35	23286388	Pipe Assembly, Water Outlet	1	

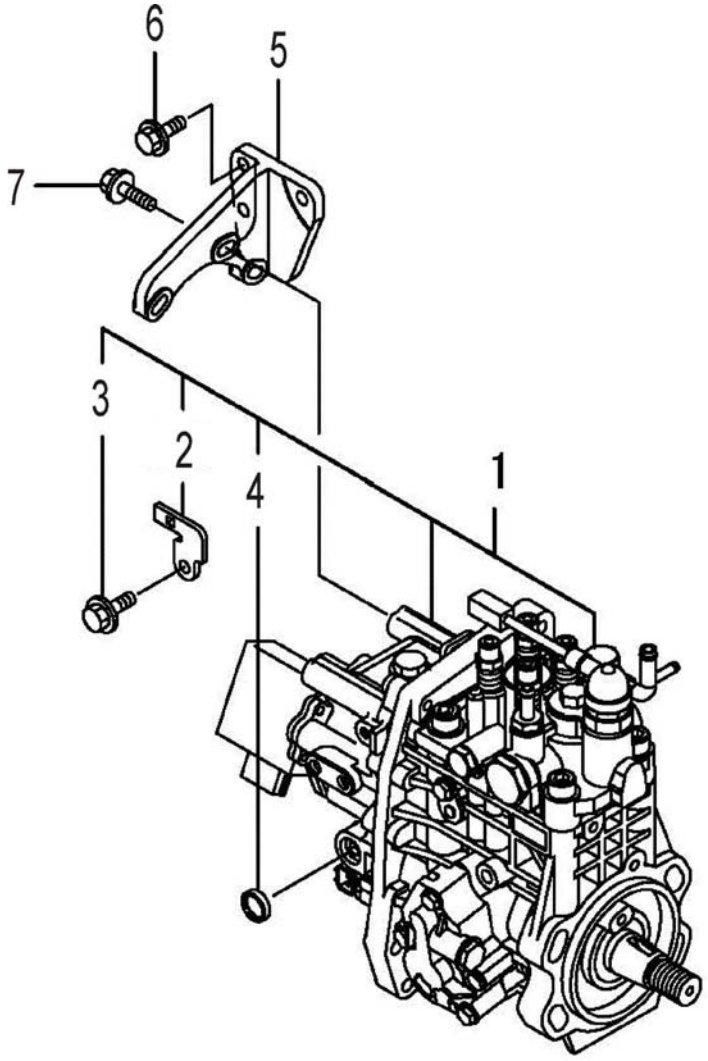
FLYWHEEL and CRANKSHAFT PULLEY



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15896400	Flywheel Assembly	1	
2	15896418	Gear, Ring	1	
3	15896392	Bolt, Flywheel	6	
4	15896350	Pin, Dowel 10 X 22	1	
5	15898901	Key 7 X 14	1	
6	15896335	Gear, Crankshaft	1	
7	15896376	V-Pulley, Crankshaft	1	
8	15896426	O-Ring 1A S-53.0	1	
9	15896368	Washer	1	
10	15896384	Bolt, V-Pulley	1	

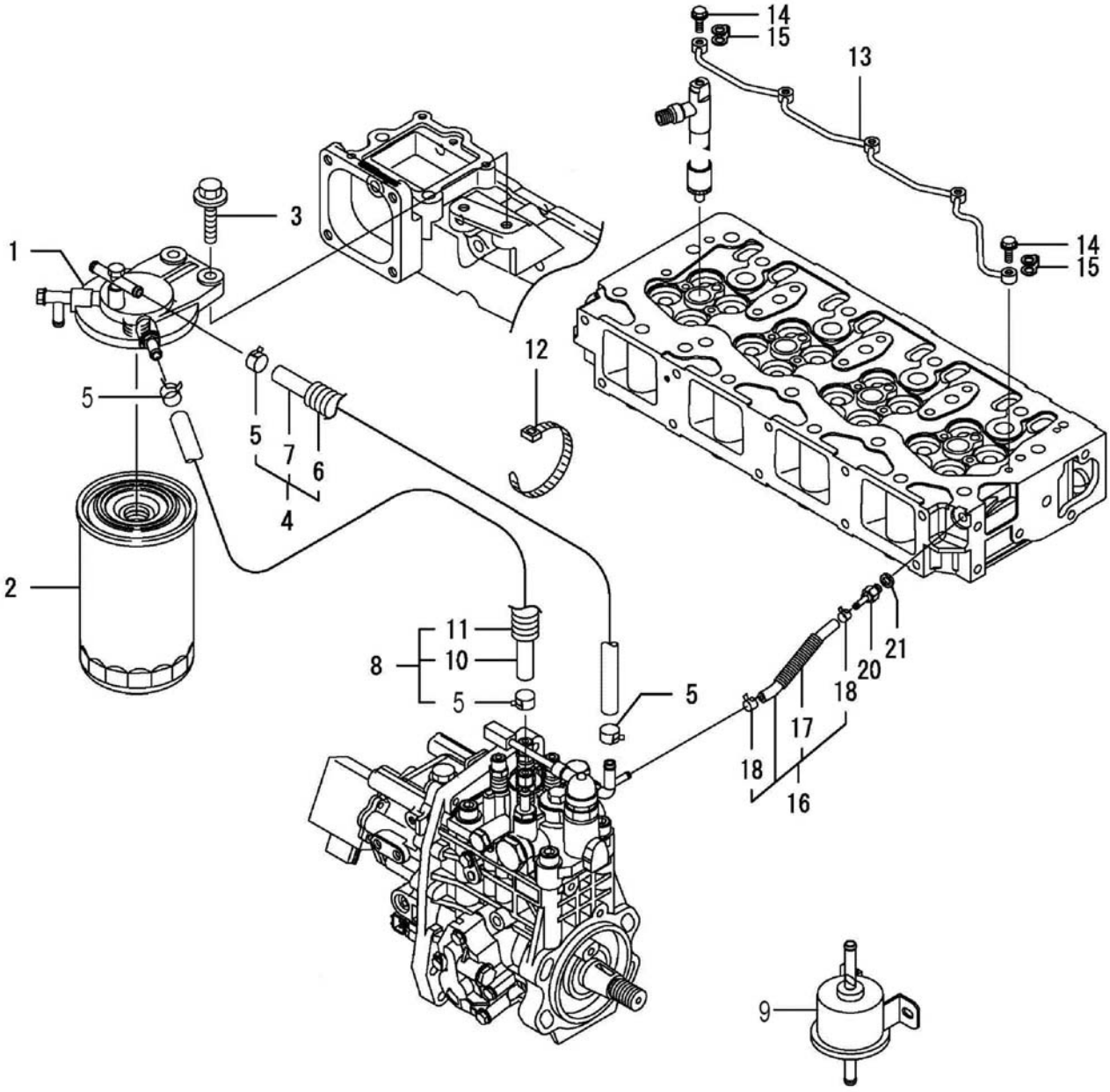
INJECTION PUMP



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23286404	Pump Assembly, Fuel Injection	1	
2	23286412	Bracket, Governor	1	
3	15896756	Bolt, M06 X 12 Plated	1	
4	23286420	Plug M16	1	
5	23286446	Bracket, Injection Pump	1	
6	15899073	Bolt, M08 X 20 Plated	3	
7	15899099	Bolt, M08 X 30 Plated	3	

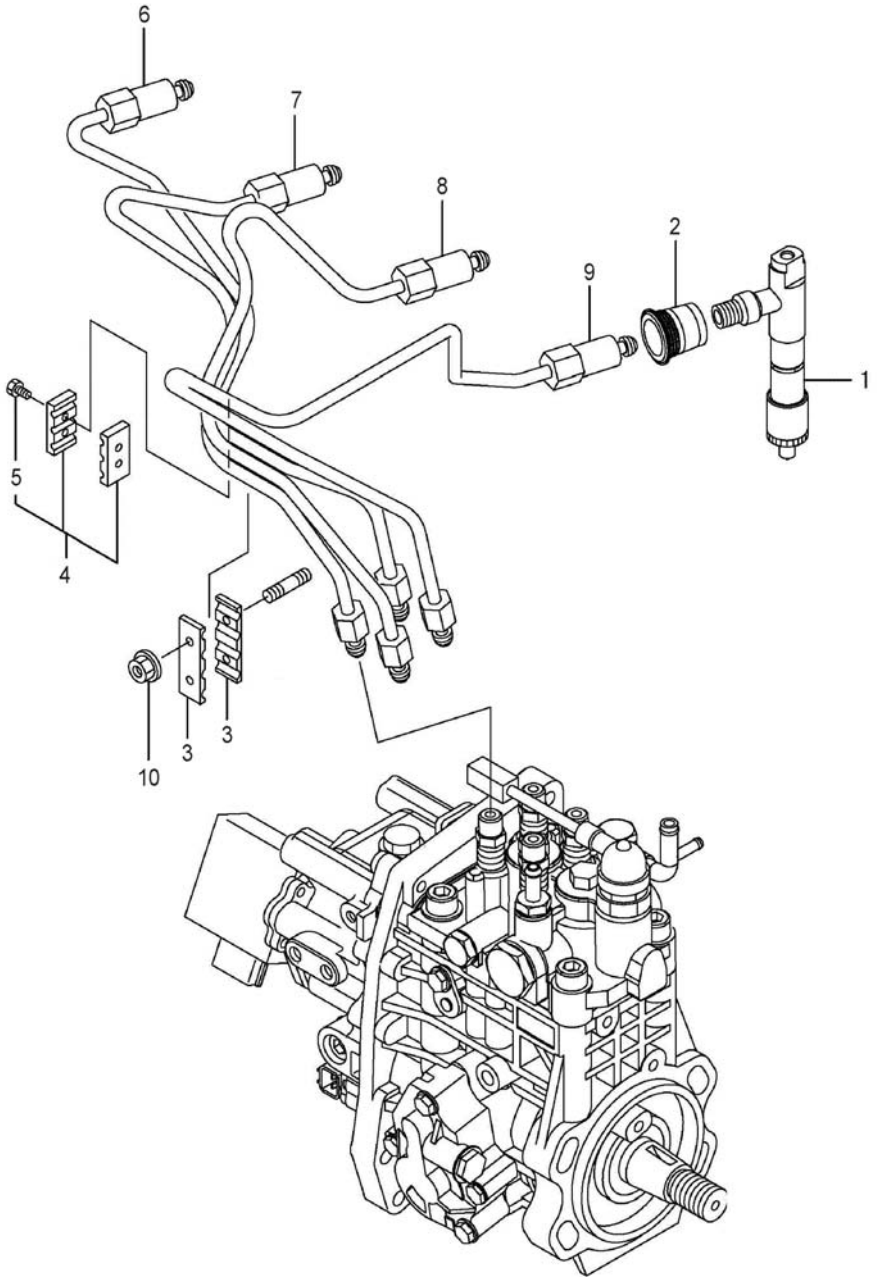
FUEL FILTER



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15898349	Head, Fuel Filter	1	
2	16539462	Element, Fuel Filter	1	
3	15899099	Bolt, M08 X 30 Plated	2	
4	15894678	Pipe Assembly, Fuel	1	
5	15898273	Clamp 12	4	
6	15894686	Protector, Fuel Pipe	1	
7	15894694	Pipe, Fuel	1	
8	23286511	Pipe Assembly, Fuel	1	
9	22226385	Pump Assembly, Fuel Feed	1	
10	23286529	Pipe, Fuel	1	
11	23286537	Tube	1	
12	15894777	Clamp 140	1	
13	15894736	Pipe Assembly, FuelReturn	1	
14	15894744	Bolt, M6 Joint	5	
15	15894751	Packing, Fuel Return	5	
16	23286545	Pipe Assembly, Fuel Return	1	
17	23286552	Tube, Corrugated	1	
18	15898265	Clamp 9	2	
19	15894769	Fitting, 4 Hose	1	
20	15898851	Washer, 8S Seal	1	

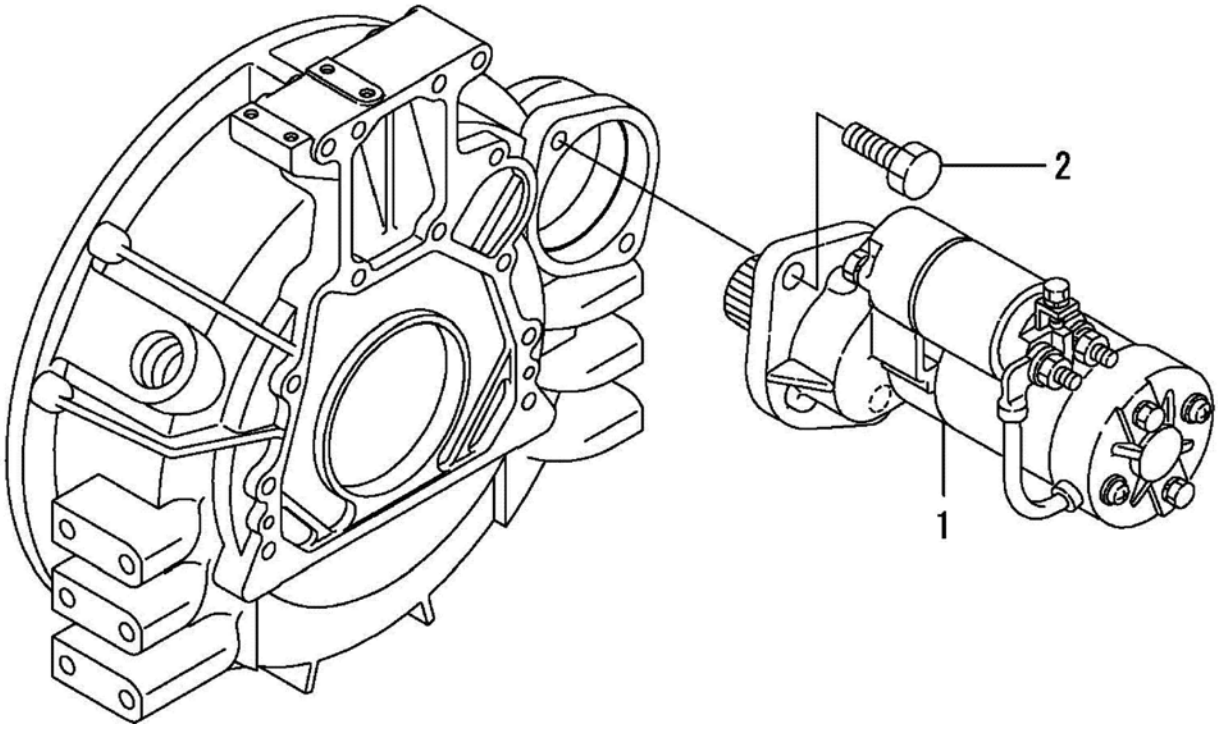
FUEL LINES



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23286453	Injector Assembly, Fuel	4	
2	15896897	Seal, Pipe	4	
3	23286461	Retainer, 4 Injector Pipe	2	
4	15898547	Retainer, 3 Fuel Pipe	1	
5	15898554	Bolt, Hex Socket Head M4 X 14	2	
6	23286479	Pipe, #1 Injection	1	
7	23286487	Pipe, #2 Injection	1	
8	23286495	Pipe, #3 Injection	1	
9	23286503	Pipe, #4 Injection	1	
10	15899214	Nut, Hex M06-1.0	2	

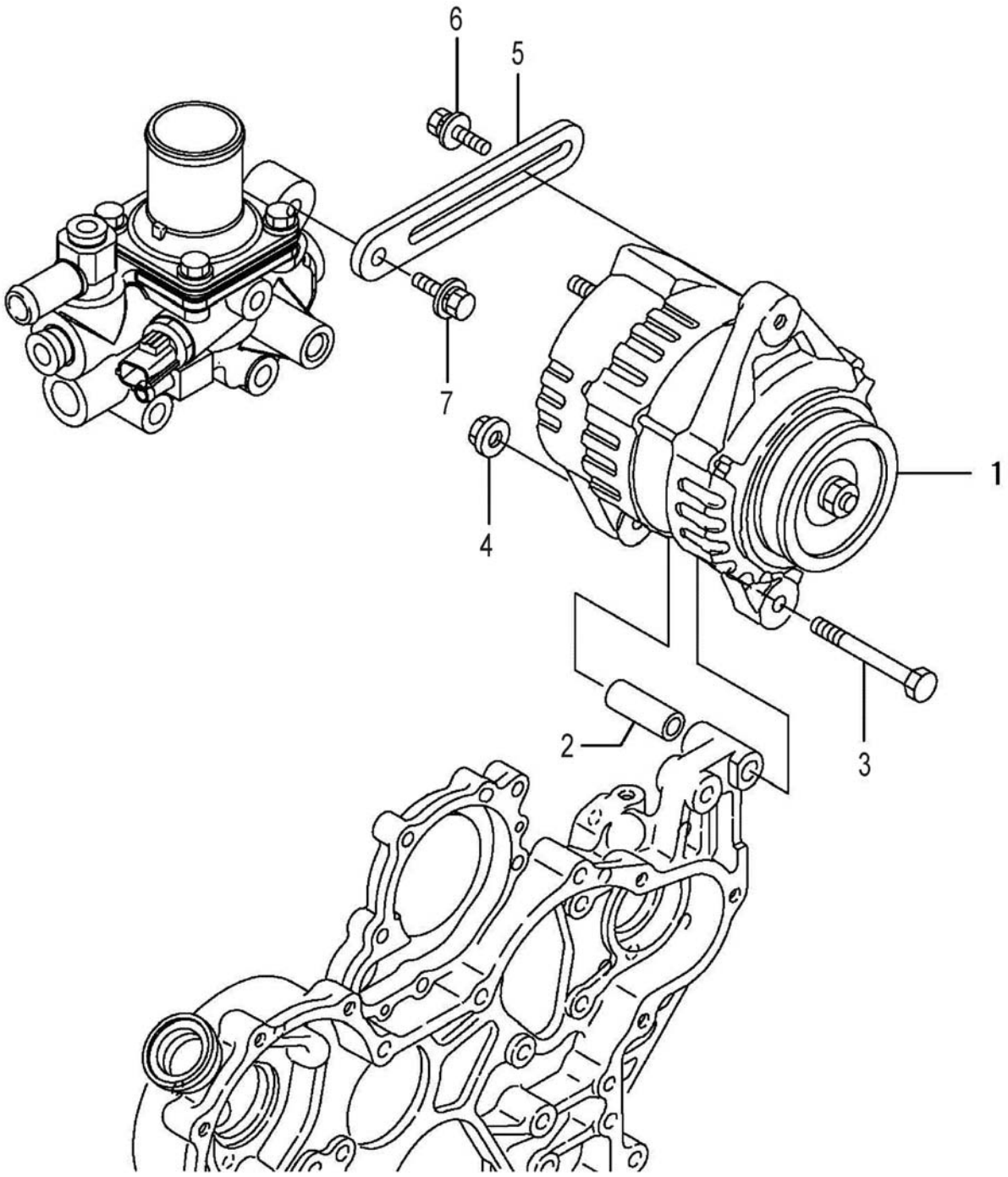
STARTER



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22255566	Starter	1	
2	15894793	Bolt, M12-1.75 X 30 Plated	2	

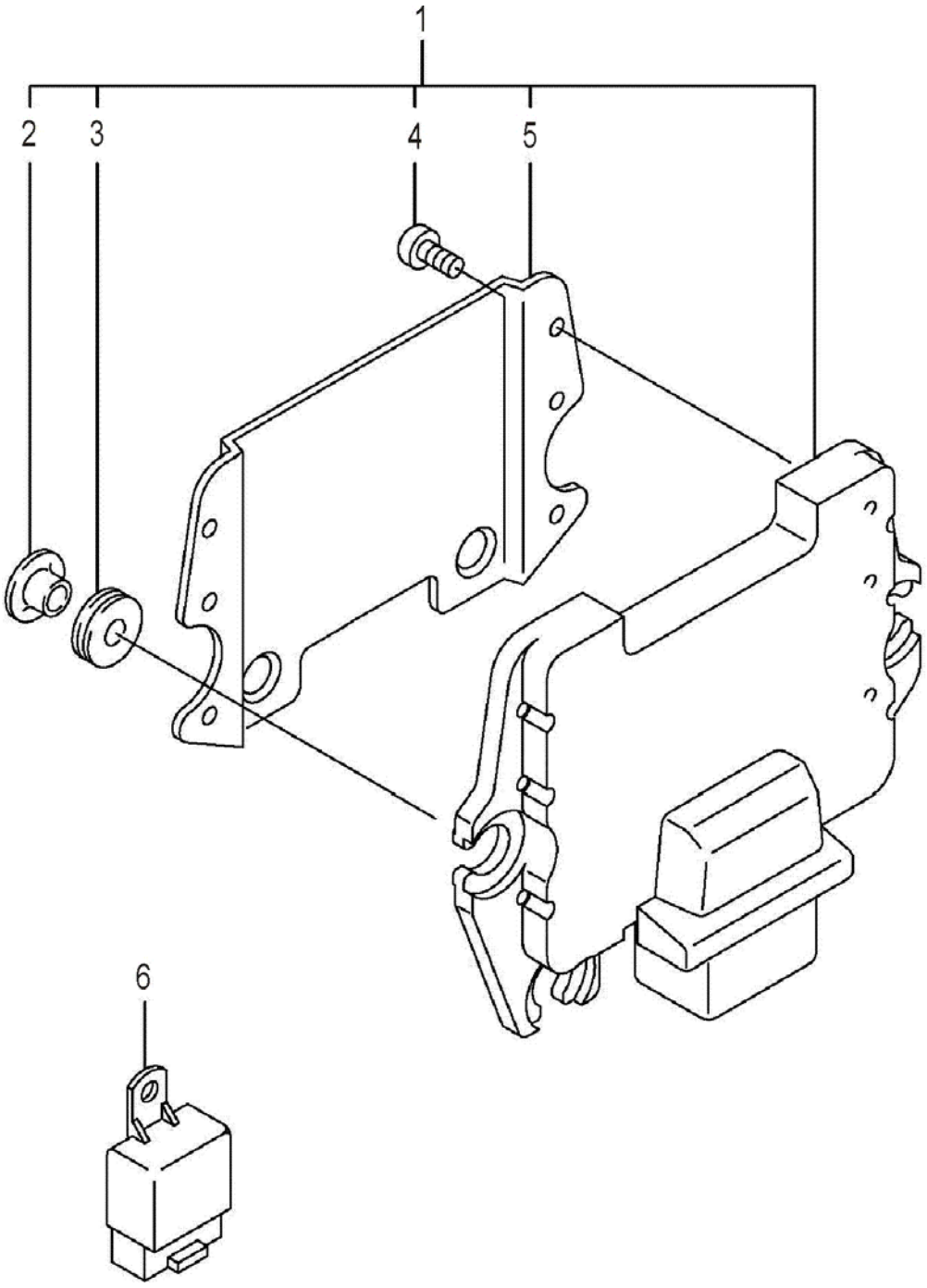
ALTERNATOR



23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22255574	Alternator (12V-60A)	1	
2	15894827	Spacer, Generator Pivot Mount	1	
3	15894819	Bolt, M10 X 120 Plated	1	
4	15899206	Nut, Hex Fange M10-1.5	1	
5	15894835	Adjuster, Belt	1	
6	15898018	Bolt, Hex M08-1.25 X 30	1	
7	15894843	Bolt, M8 X 25	1	

ECU

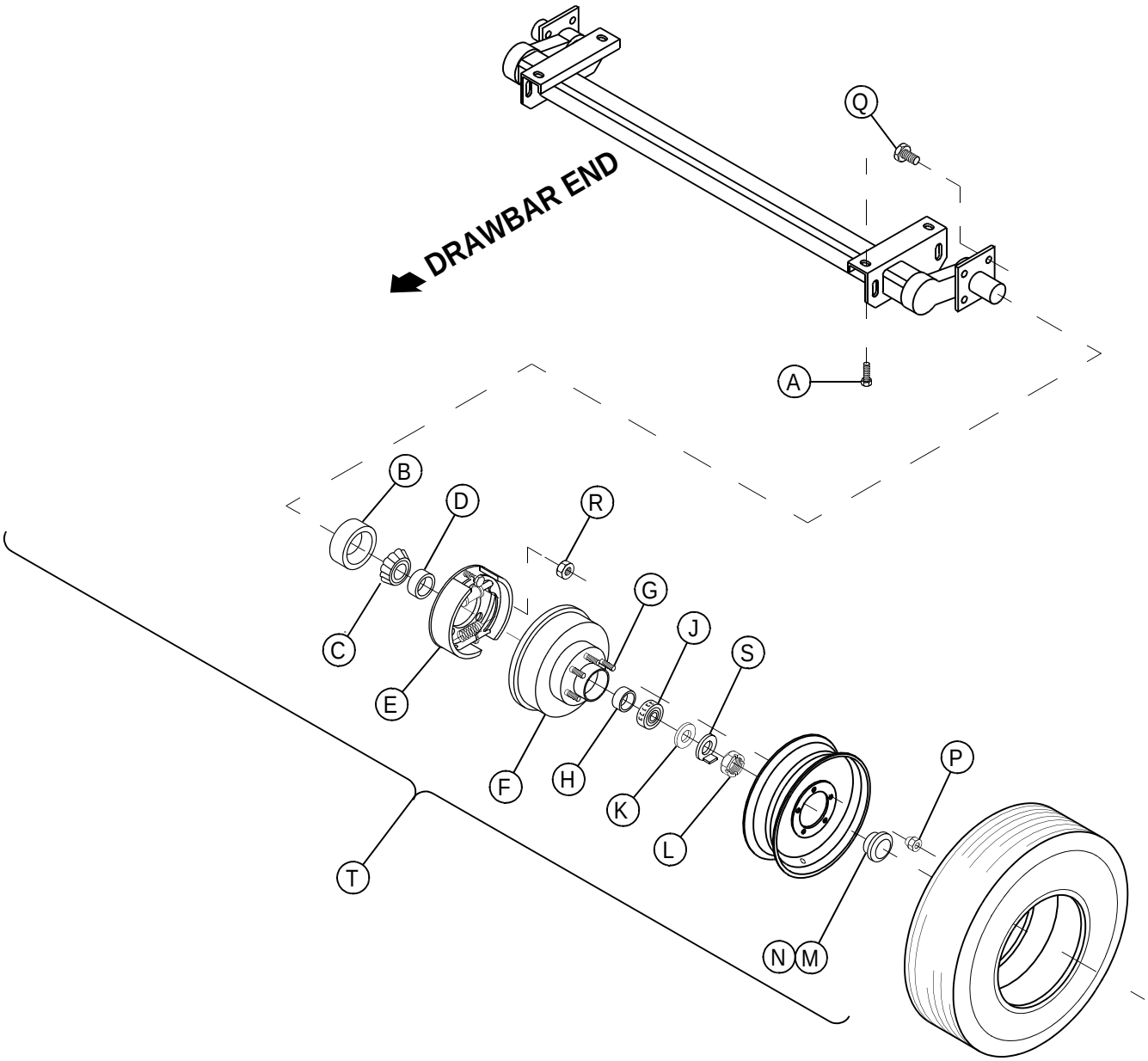


23294648_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23286560	Controller Assembly	1	
2	23286586	Collar, ECU	3	
3	23286594	Isolator, ECU	3	
4	23286602	Screw, M5 x 8	6	
5	23286578	Shield, ECU	1	
6	23286610	Relay	1	

Section D - OPTION PARTS

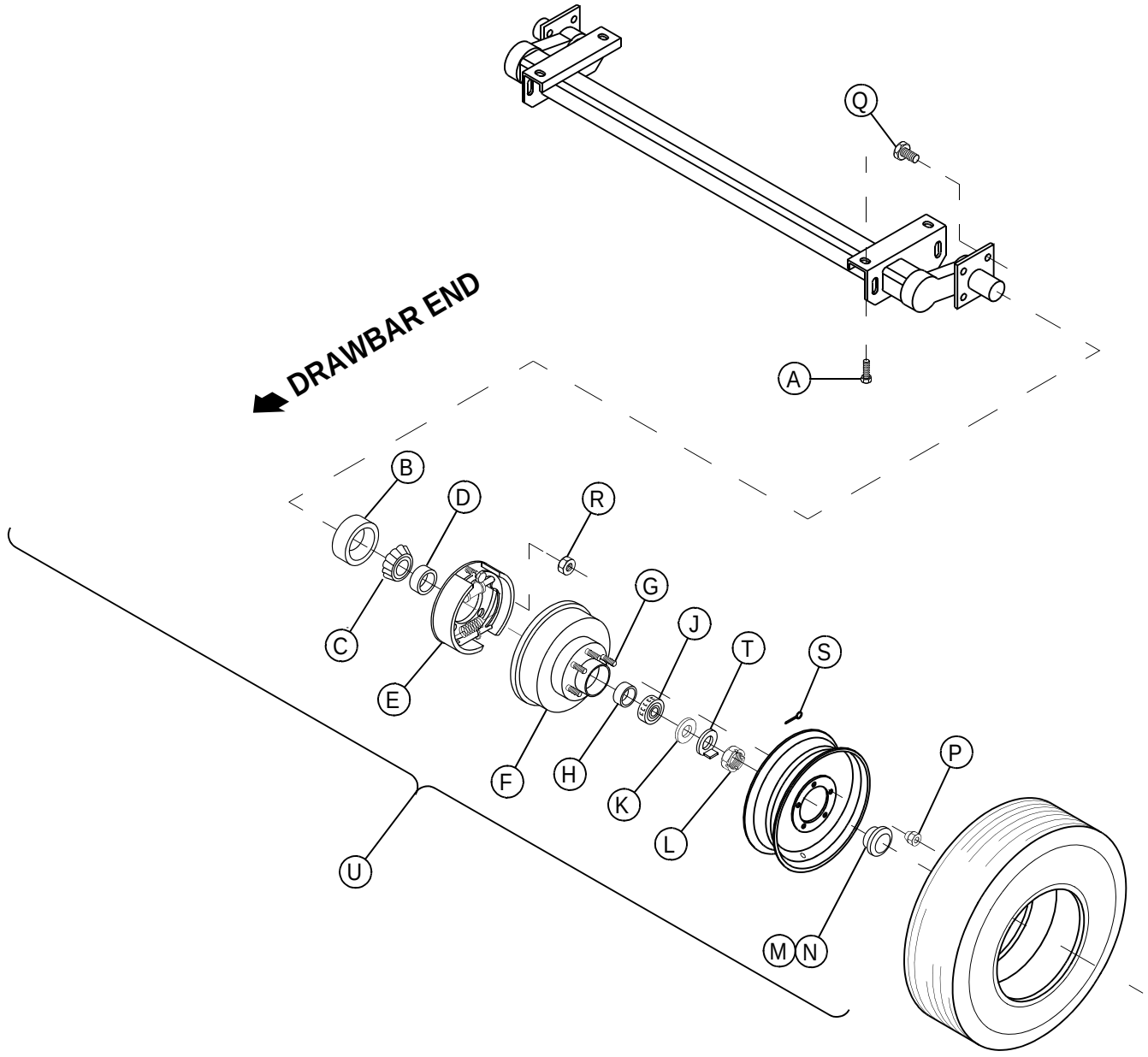
STANDARD AXLE w/ ELECTRIC BRAKES



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96747142	Screw, Hex Flange M16-2.0 X 30	4	
B	35391101	Seal, Grease	2	
C	35361864	Cone, Inner Bearing	2	
D	35361872	Cup, Inner Bearing	2	
E	35391168	Brake Assembly, LH Electric	1	
	35391176	Brake Assembly, RH Electric	1	
F	35391119	Hub & Drum with Studs	2	
G	22464648	Stud	10	
H	35315183	Cup, Outer Bearing	2	
J	35315191	Cone, Outer Bearing	2	
K	22805436	Washer, Spindle	2	
L	35315217	Nut, Spindle	2	
M	35391127	Cap, EZ Lube Dust	2	
N	35391135	Plug, EZ Lube Rubber	2	
P	35315274	Nut, Wheel	10	
Q	35391648	Screw, Brake Mount	8	
R	35391630	Nut, Brake Mount Hex	8	
S	22805444	Washer, Tang	2	
T	22892657	Running Gear w/ EZ Lube	1	

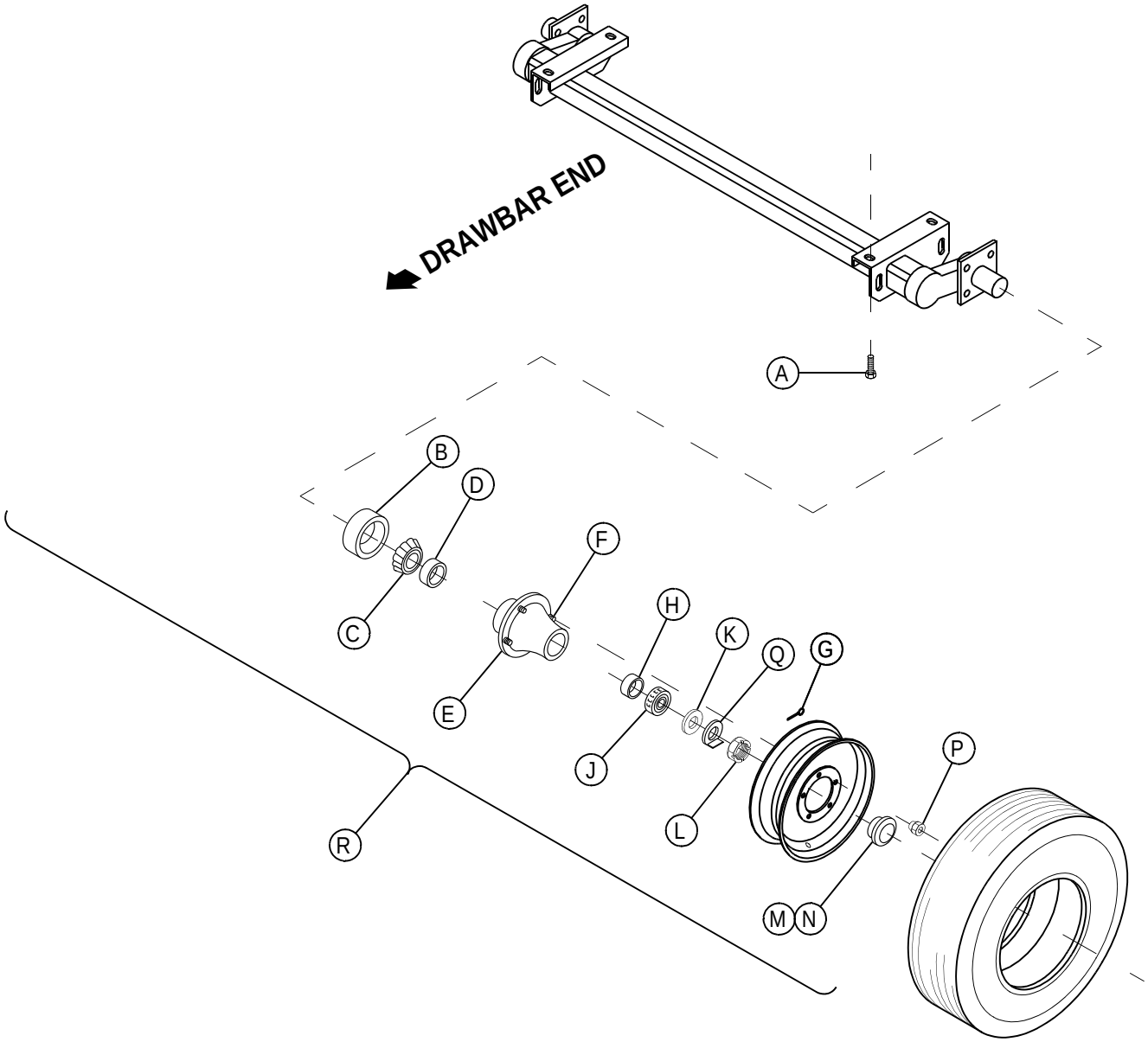
HEAVY DUTY AXLE with ELECTRIC BRAKES



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96747142	Screw, Hex Flange M16-2.0 X 30	4	
B	35316868	Seal, Grease	2	
C	35316876	Cone, Inner Bearing	2	
D	35316884	Cup, Inner Bearing	2	
E	35390814	Brake Assembly, LH Electric	1	
	35390822	Brake Assembly, RH Electric	1	
F	35390459	Hub & Drum with Studs	2	
G	22464648	Stud	12	
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, EZ Lube Dust	2	
N	35391135	Plug, EZ Lube Rubber	2	
P	35315274	Nut, Wheel	12	
Q	35391648	Screw, Brake Mount	8	
R	35391630	Nut, Brake Mount Hex	8	
S	35315225	Pin, Cotter	2	
T	35390012	Washer, Tang	2	
U	22467708	Running Gear w/ EZ Lube	1	

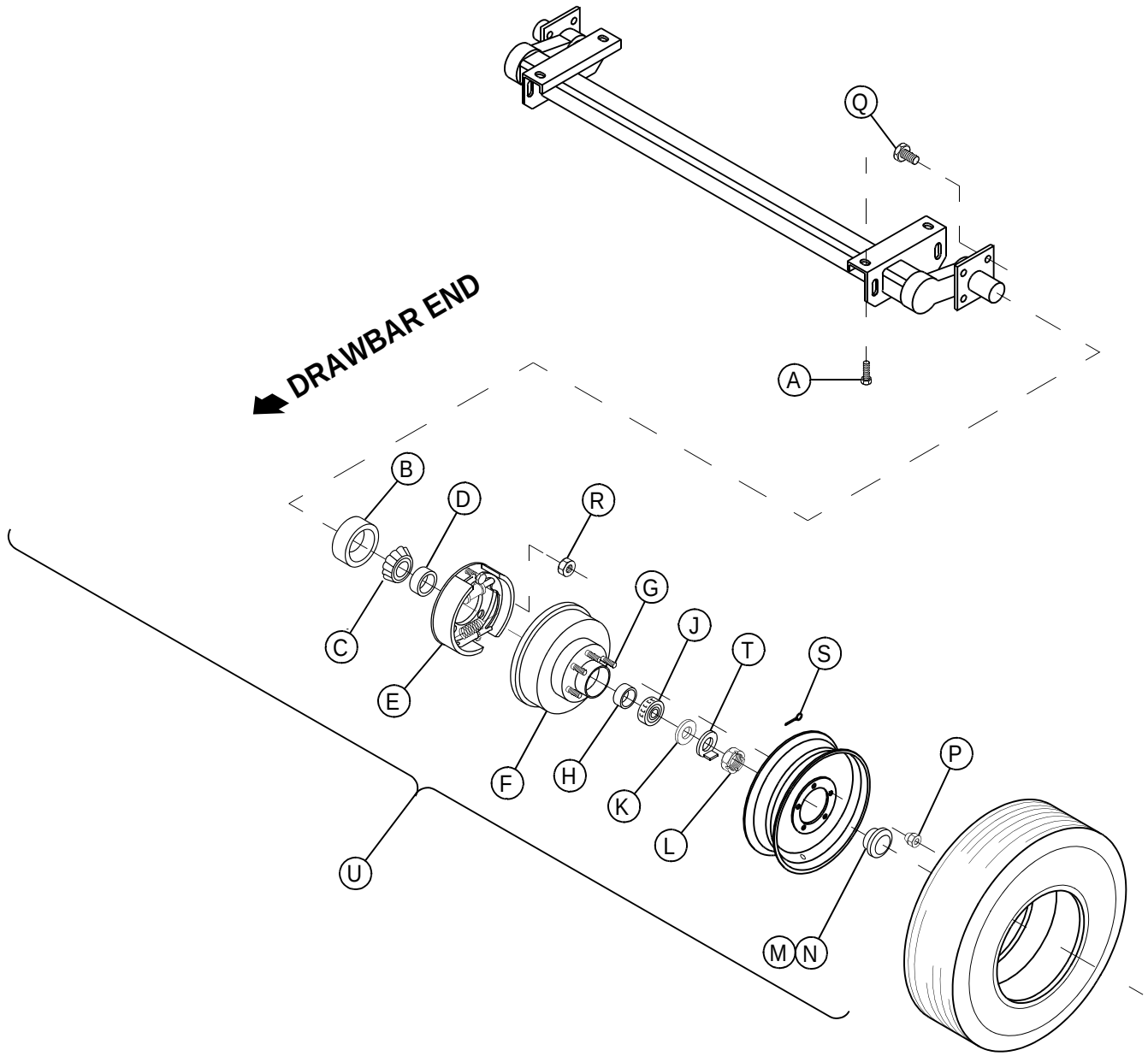
HEAVY DUTY AXLE without BRAKES



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96747142	Screw, Hex Flange M16-2.0 X 30	4	
B	35316868	Seal, Grease	2	
C	35316876	Cone, Inner Bearing	2	
D	35316884	Cup, Inner Bearing	2	
E	35318823	Hub with Cups and Studs	2	
F	22464648	Stud	12	
G	35315225	Pin, Cotter	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, EZ Lube Dust	2	
N	35391135	Plug, EZ Lube Rubber	2	
P	35315274	Nut, Wheel	12	
Q	35390012	Washer, Tang	2	
R	22467682	Running Gear w/ EZ Lube	1	

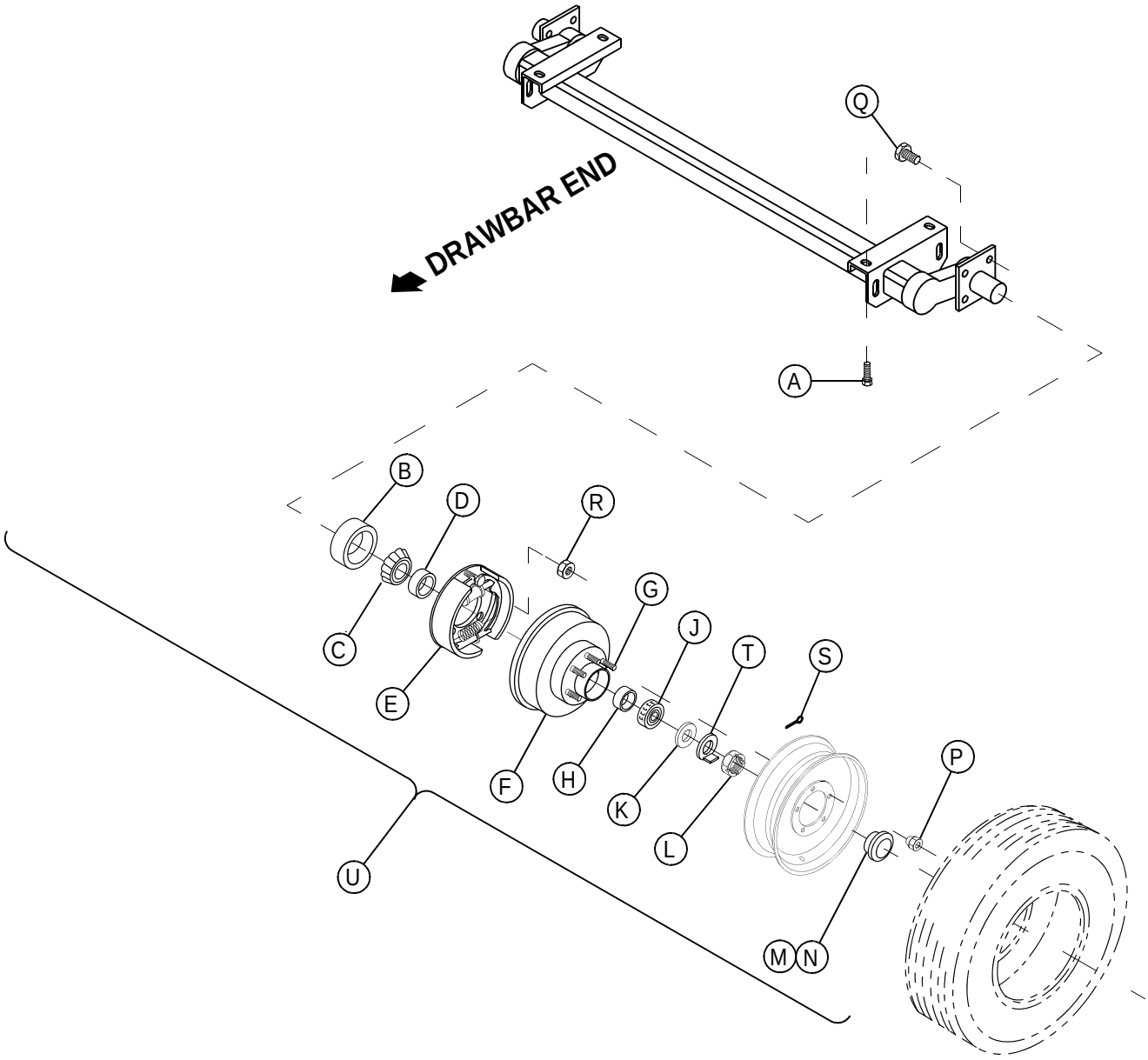
STANDARD AXLE w/ HYDRAULIC BRAKES



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96747142	Screw, Hex Flange M16-2.0 X 30	4	
B	35391101	Seal, Grease	2	
C	35361864	Cone, Inner Bearing	2	
D	35361872	Cup, Inner Bearing	2	
E	36867596	Brake Assembly, LH Hydraulic	1	
	36867604	Brake Assembly,, RH Hydraulic	1	
F	35391119	Hub & Drum with Studs	2	
G	22464648	Stud	10	
H	35315183	Cup, Outer Bearing	2	
J	35315191	Cone, Outer Bearing	2	
K	22805436	Washer, Spindle	2	
L	35315217	Nut, Spindle	2	
M	35391127	Cap, EZ Lube Dust	2	
N	35391135	Plug, EZ Lube Rubber	2	
P	35315274	Nut, Wheel	10	
Q	35391648	Screw, Brake Mount	8	
R	35391630	Nut, Brake Mount Hex	8	
S	22805444	Washer, Tang	2	
T	22892632	Running Gear w/ EZ Lube	1	

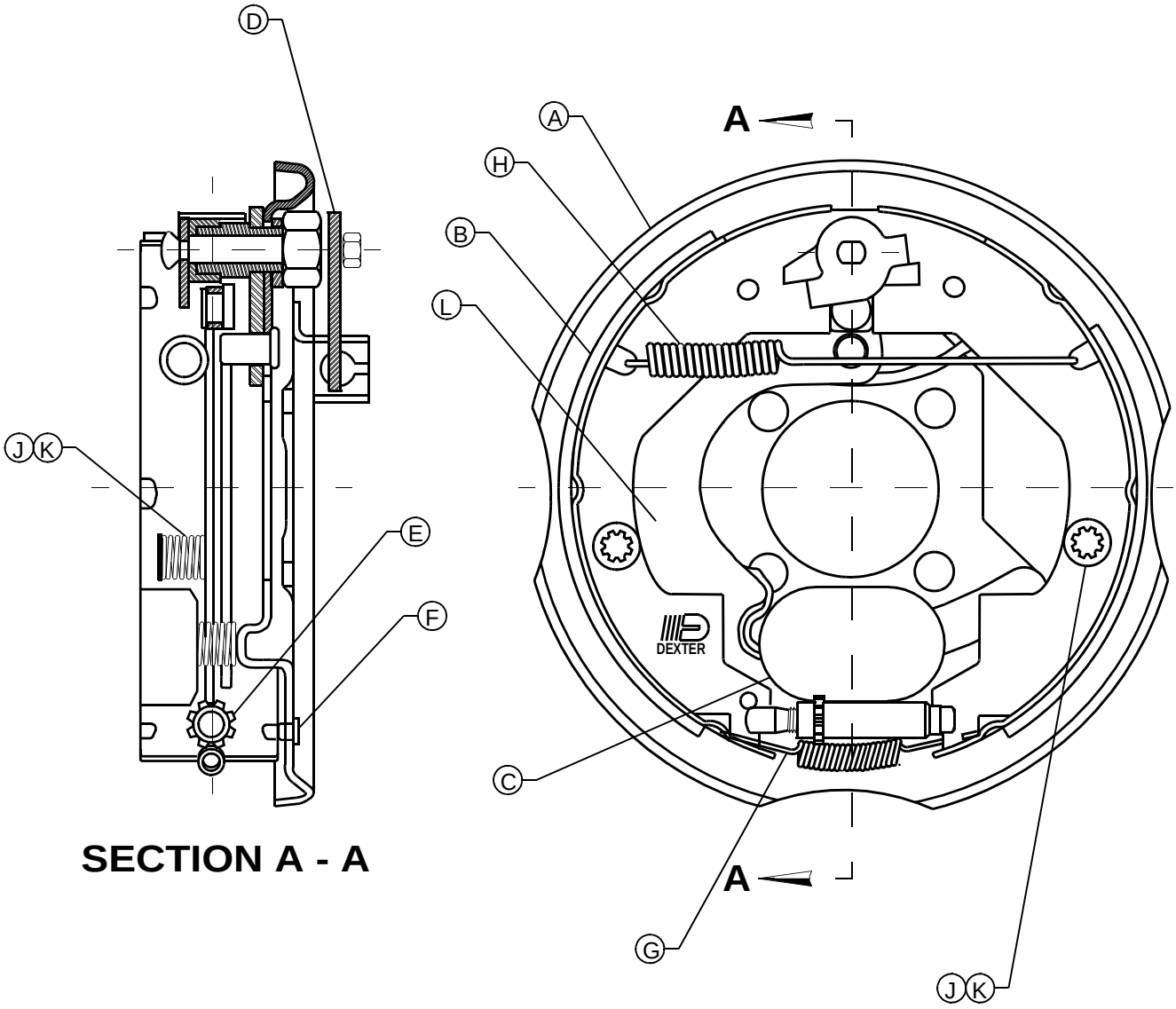
HEAVY DUTY AXLE with HYDRAULIC BRAKES



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	96747142	Screw, Hex Flange M16-2.0 X 30	4	
B	35316868	Seal, Grease	2	
C	35316876	Cone, Inner Bearing	2	
D	35316884	Cup, Inner Bearing	2	
E	35390442	Brake Assembly, LH Hydraulic	1	
	35390434	Brake Assembly, RH Hydraulic	1	
F	35390459	Hub & Drum with Studs	2	
G	22464648	Stud	10	
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, EZ Lube Dust	2	
N	35391135	Plug, EZ Lube Rubber	2	
P	35315274	Nut, Wheel	10	
Q	35391648	Screw, Brake Mount	8	
R	35391630	Nut, Brake Mount Hex	8	
S	35315225	Pin, Cotter	2	
T	35390012	Washer, Tang	2	
U	22467690	Running Gear w/ EZ Lube	1	

SHOE, ELECTRIC BRAKE



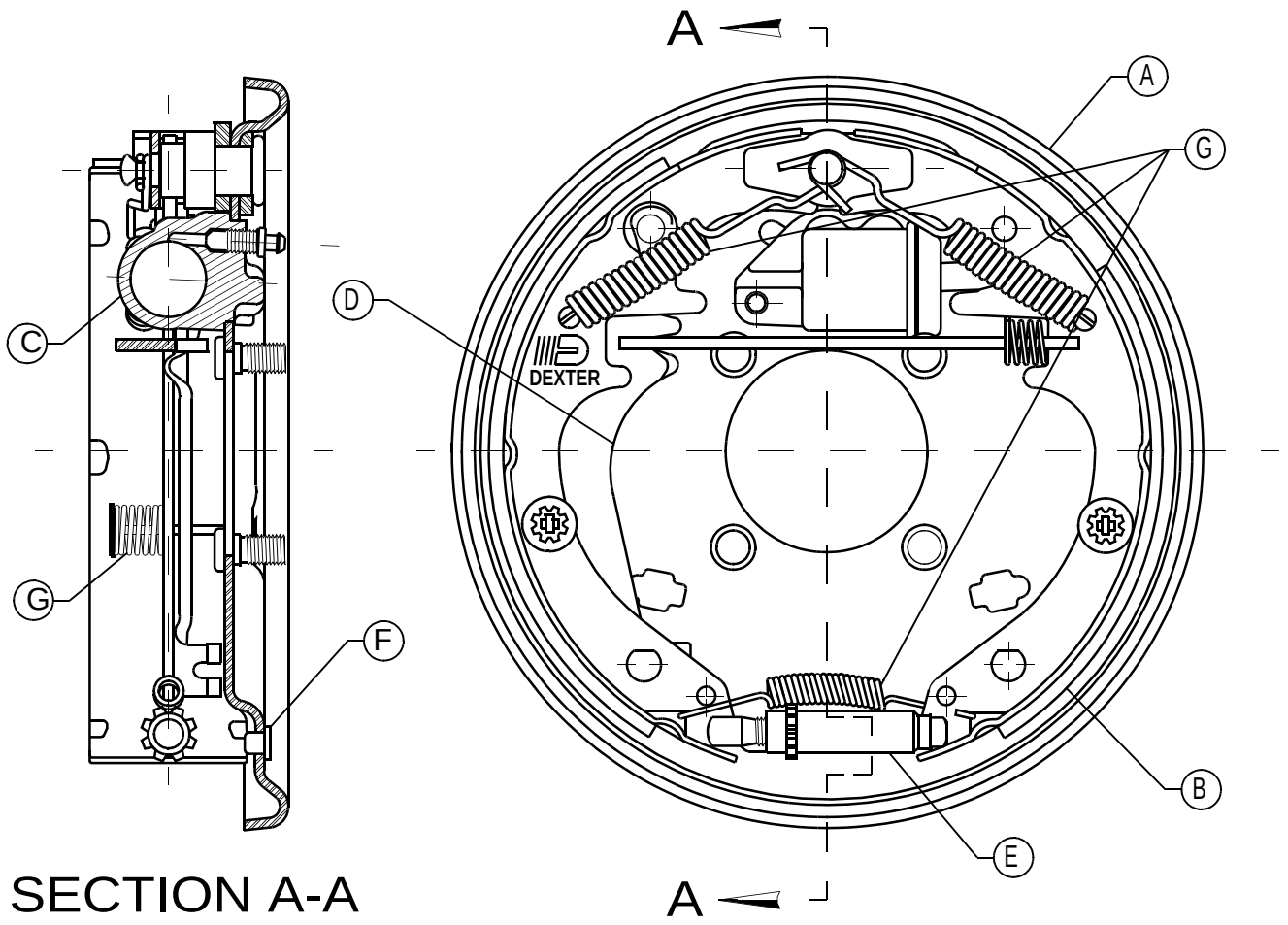
SECTION A - A

OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35391184	Plate Assembly, LH Backing	1	
	35391192	Plate Assembly, RH Backing	1	
B	35391333	Brake Shoe Kit	1	
C	35391309	Magnet Kit	2	
D	35391267	Lever, Parking Brake	2	
E	35391366	Screw Assembly, Adjusting	2	
F	35391416	Plug, Adjusting Screw	2	
G	35391374	Spring, Adjuster	2	
H	35391358	Spring, Retractor	2	
J	35391382	Spring, Shoe Hold Down	4	
K	35391390	PIN, Shoe Hold Down	4	
L	35391226	Lever Kit, LH Actuating	1	

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
	35391234	Lever Kit, RH Actuating	1	

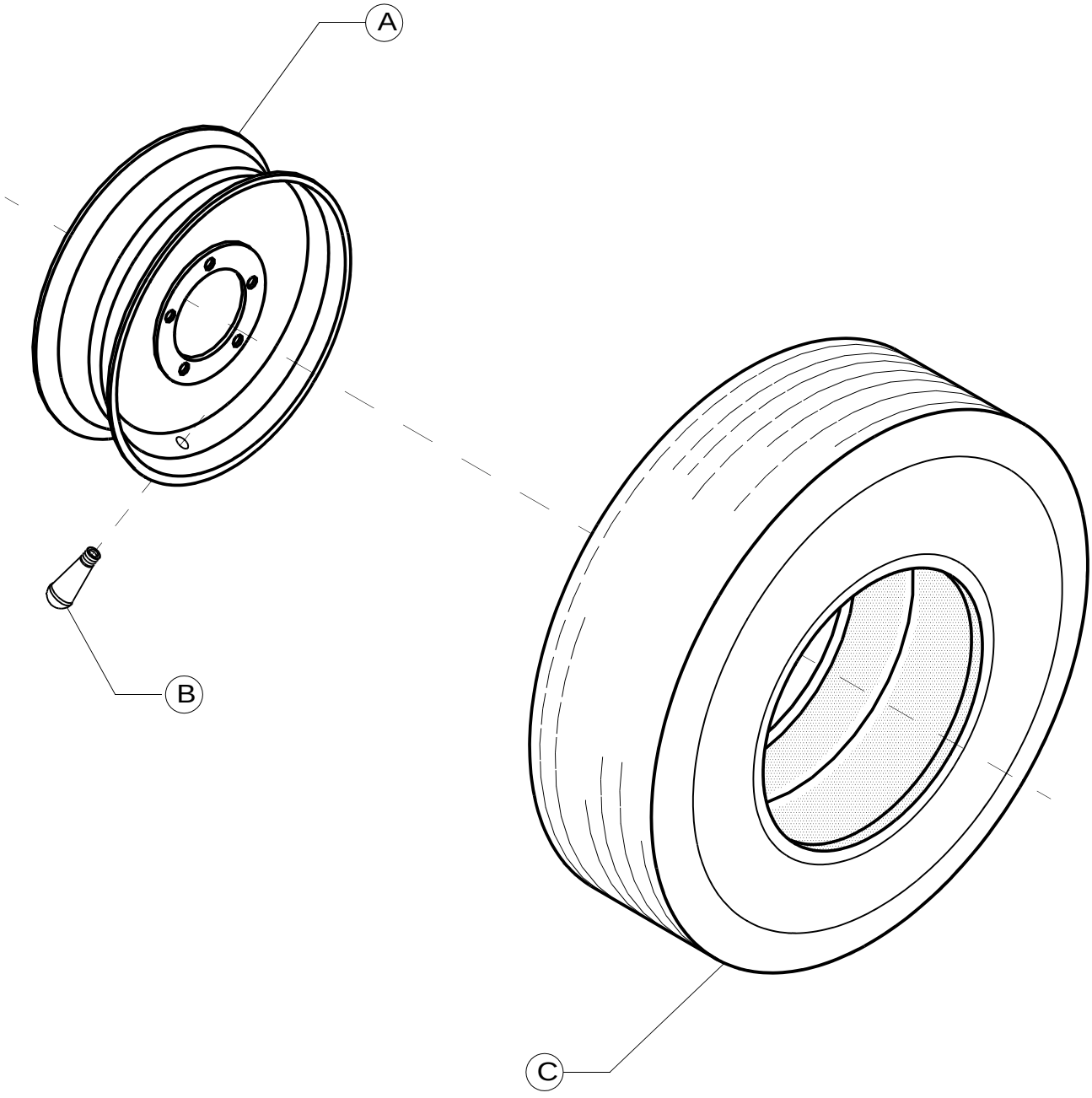
SHOE, HYDRAULIC BRAKE



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	TBD	Plate Assembly, Backing	2	
B	TBD	Brake Shoe Kit	2	
C	TBD	Cylinder, LH Brake	1	
	TBD	Cylinder, RH Brake	1	
D	TBD	Lever & Pin, LH Parking	1	
	TBD	Lever & Pin, RH Parking	1	
E	TBD	Screw Assembly, Adjusting	2	
F	TBD	Plug, Adjusting Slot	4	
G	TBD	Brake Spring Kit	2	

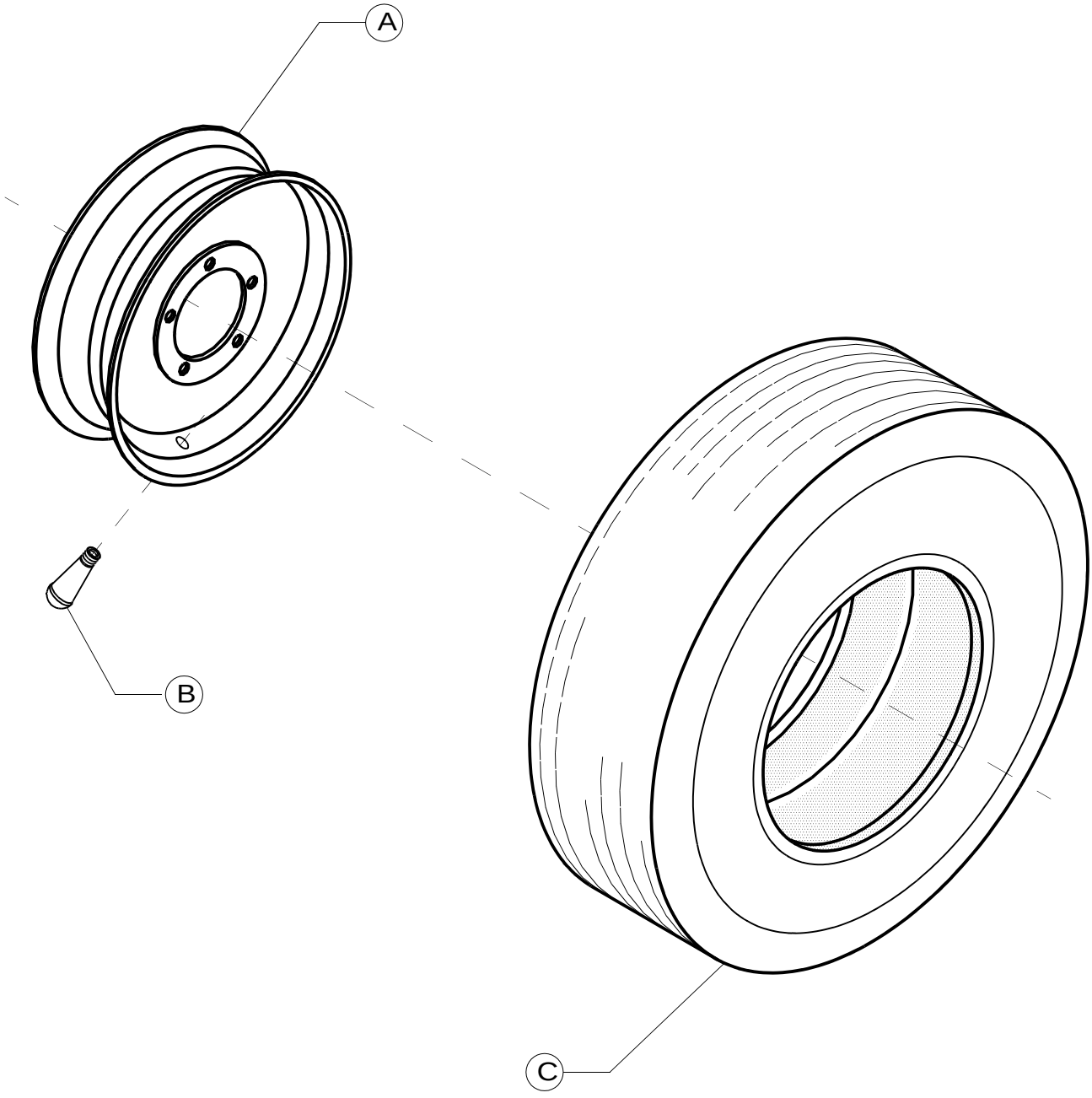
15” ST225 TIRE and WHEEL



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35277706	Wheel,15” with 5 on 4.5”	1	
B	35282565	Stem, Valve	1	
C	22253041	Tire, ST225/75D15D	1	

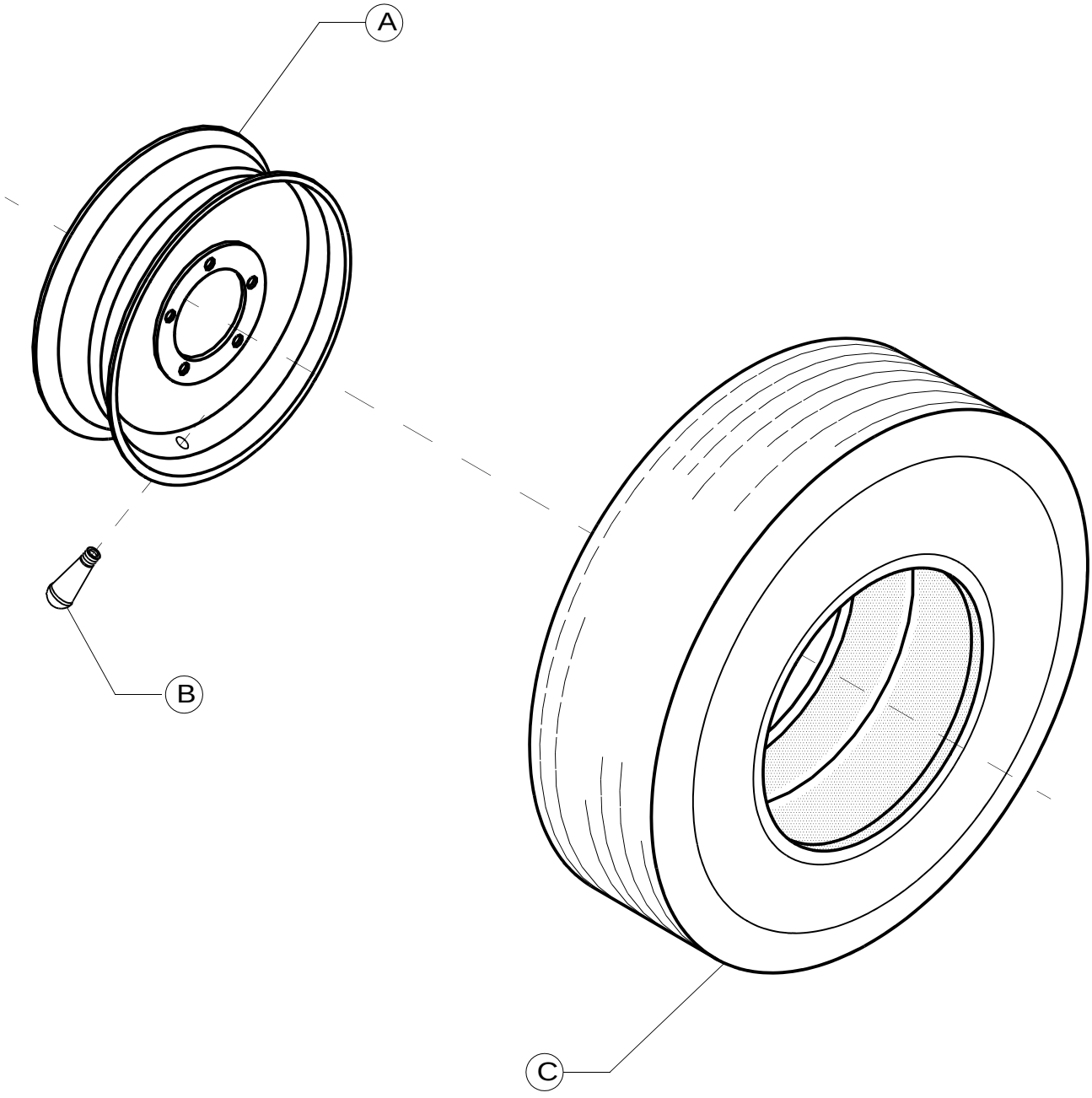
15” P215 RADIAL TIRE and WHEEL



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35277706	Wheel,15” with 5 on 4.5”	1	
B	35282565	Stem, Valve	1	
C	35291988	Tire, ST215/75R/15B	1	

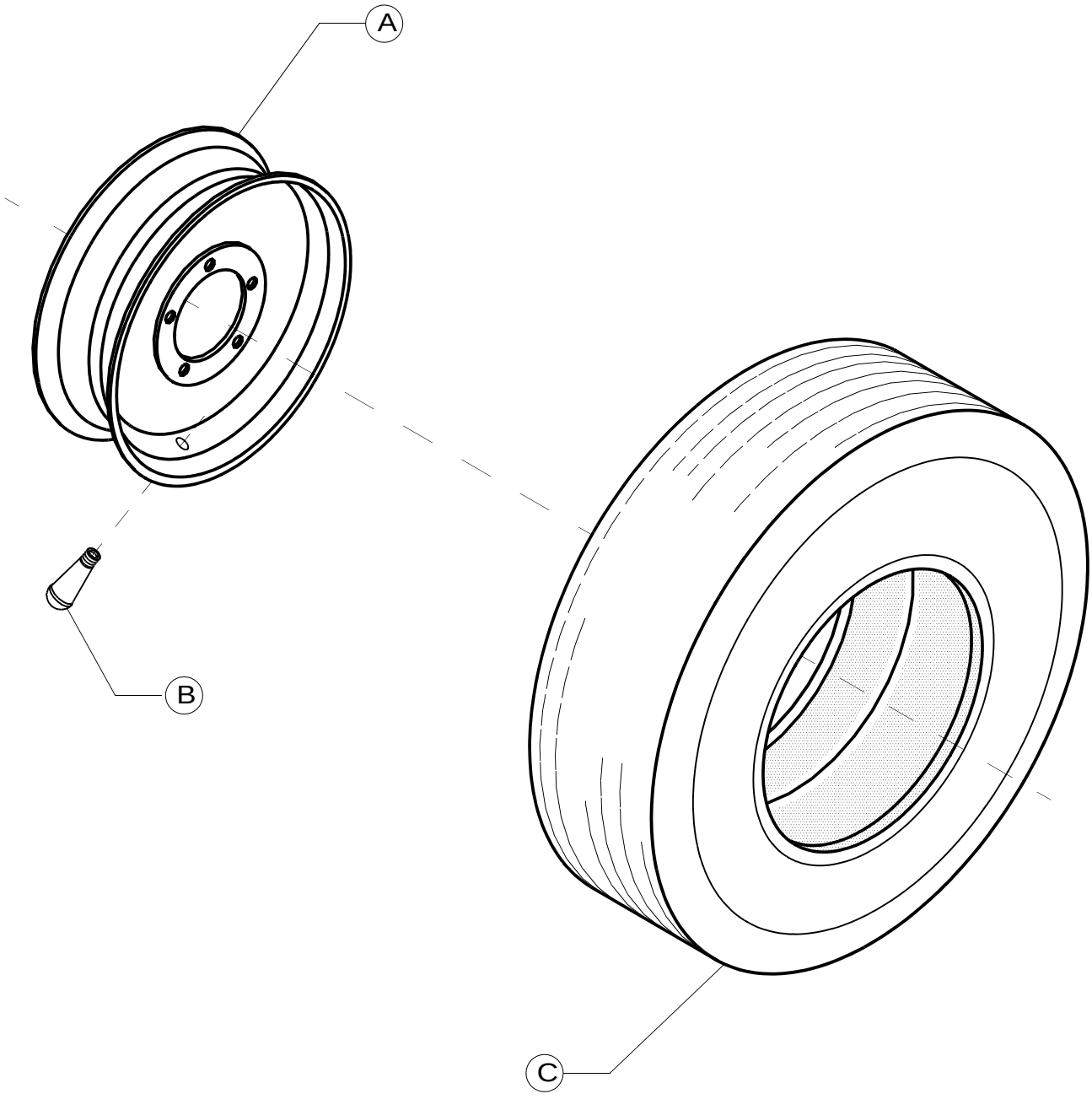
15” ST225 RADIAL TIRE and WHEEL



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35277706	Wheel,15” with 5 on 4.5”	1	
B	35282565	Stem, Valve	1	
C	36846268	Tire, ST225/75R15D	1	

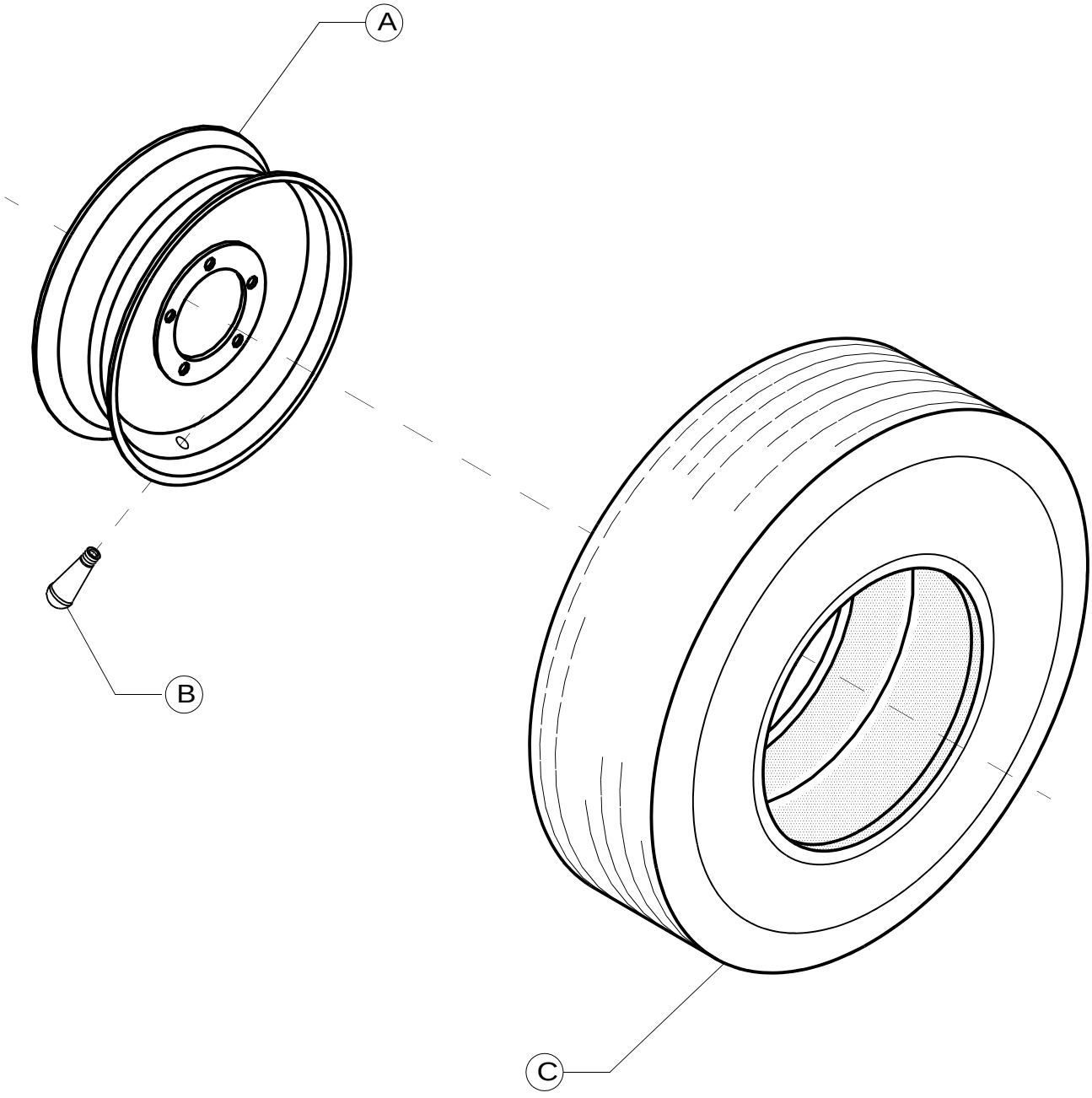
15” ST225 BIAS TIRE and WHEEL



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35318757	Wheel,15” with 6 on 5.5”	1	
B	35282565	Stem, Valve	1	
C	22253041	Tire, ST225/75D15D	1	

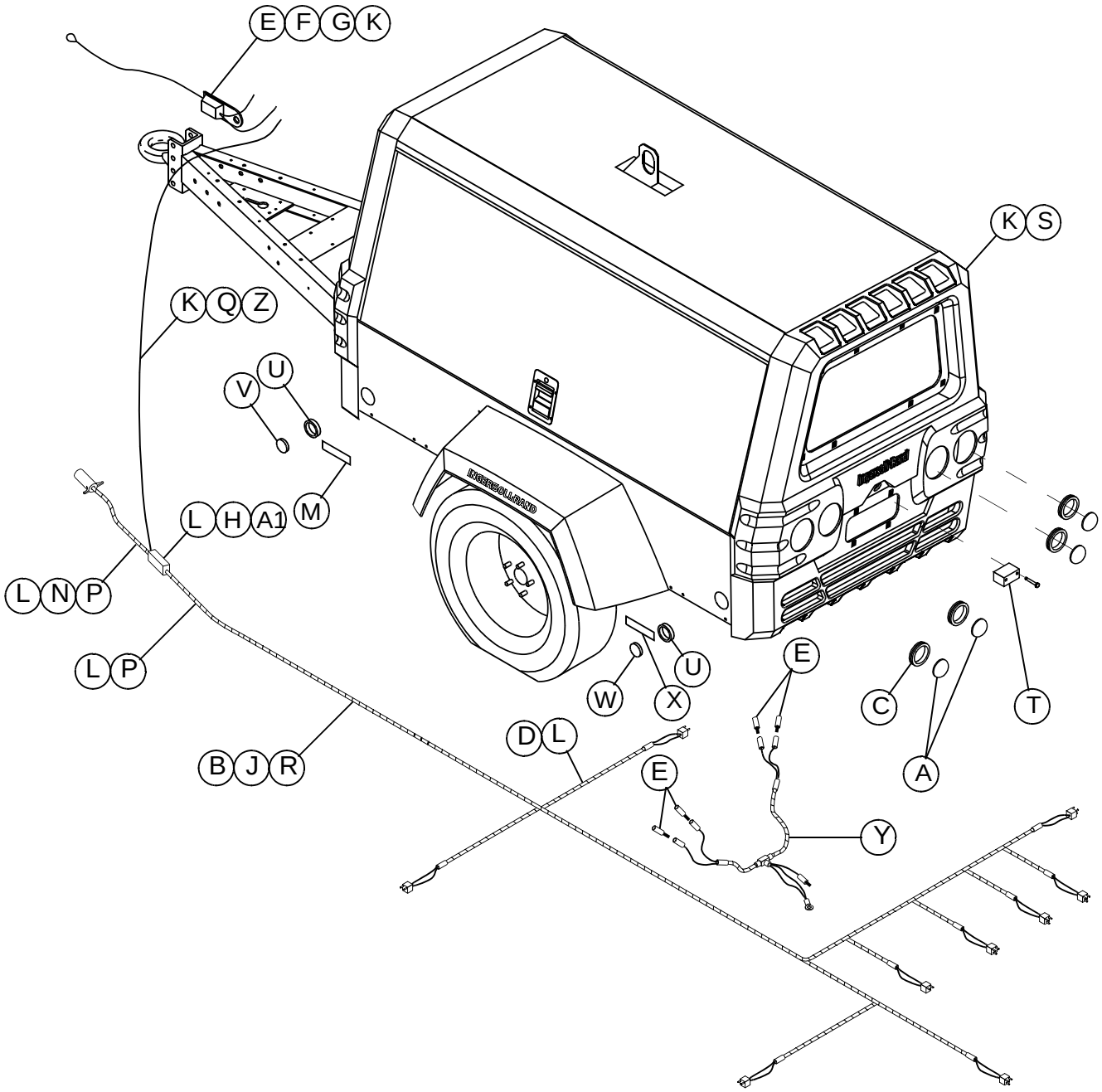
15” ST225 RADIAL 5.5BC TIRE and WHEEL



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35318757	Wheel,15” with 6 on 5.5”	1	
B	35282565	Stem, Valve	1	
C	36846319	Tire, ST225/75R15D	1	

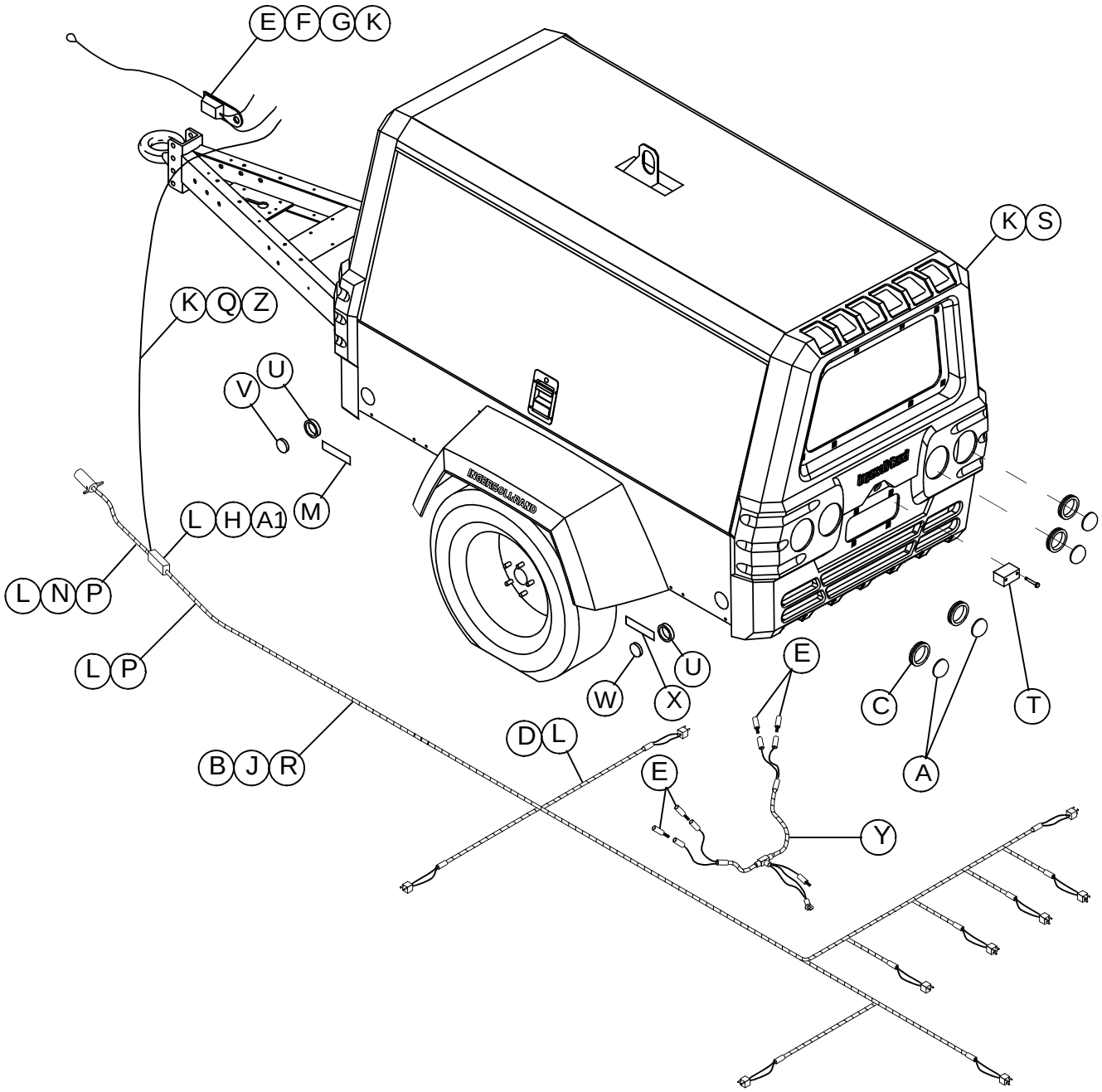
2 BRAKE LIGHT WIRING



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36788081	Light, Tail	2	
B	36893345	Harness, Tail Light	1	
C	36787968	Grommet, Tail Light	2	
D	36853174	Clamp, 1/4” Support	1	
E	35375427	Terminal, 0.176” Snap	9	
F	35315944	Switch, Breakaway	1	
G	37140365	Terminal, Splice	1	
H	35346337	Terminal, Lug	1	
J	35253038	Clamp, 3/8” Support	4	
K	36797652	Screw, Tapping M06-1.0 X 12	8	
L	92368687	Screw, Tapping M06-1.0 X 14	6	
M	36894616	Reflector, Amber	2	
N	36789261	Harness, 6 Conductor Cable (Std Lg DBar)	1	
	36787216	Harness, 6 Conductor Cable (Ext Lg DBar)	1	
P	35225093	Clamp, 1/2” Support	6	
Q	35120005	Wire, 14 ga Black	40”	
R	35279025	Screw, Tapping M08-1.25 X 20	3	
S	54473525	Cap, Rear End	1	
	54729140	Cap, Rear End (Special Paint)	1	
T	54726468	Light, License	1	
U	36893634	Grommet, Clearance Light	4	
V	35367051	Light, Amber Clearance	2	
W	35367044	Light, Red Clearance	2	
X	36894608	Reflector, Red	2	
Y	36895282	Harness, Electric Brake	1	
Z	37001252	Clamp, Support	1	

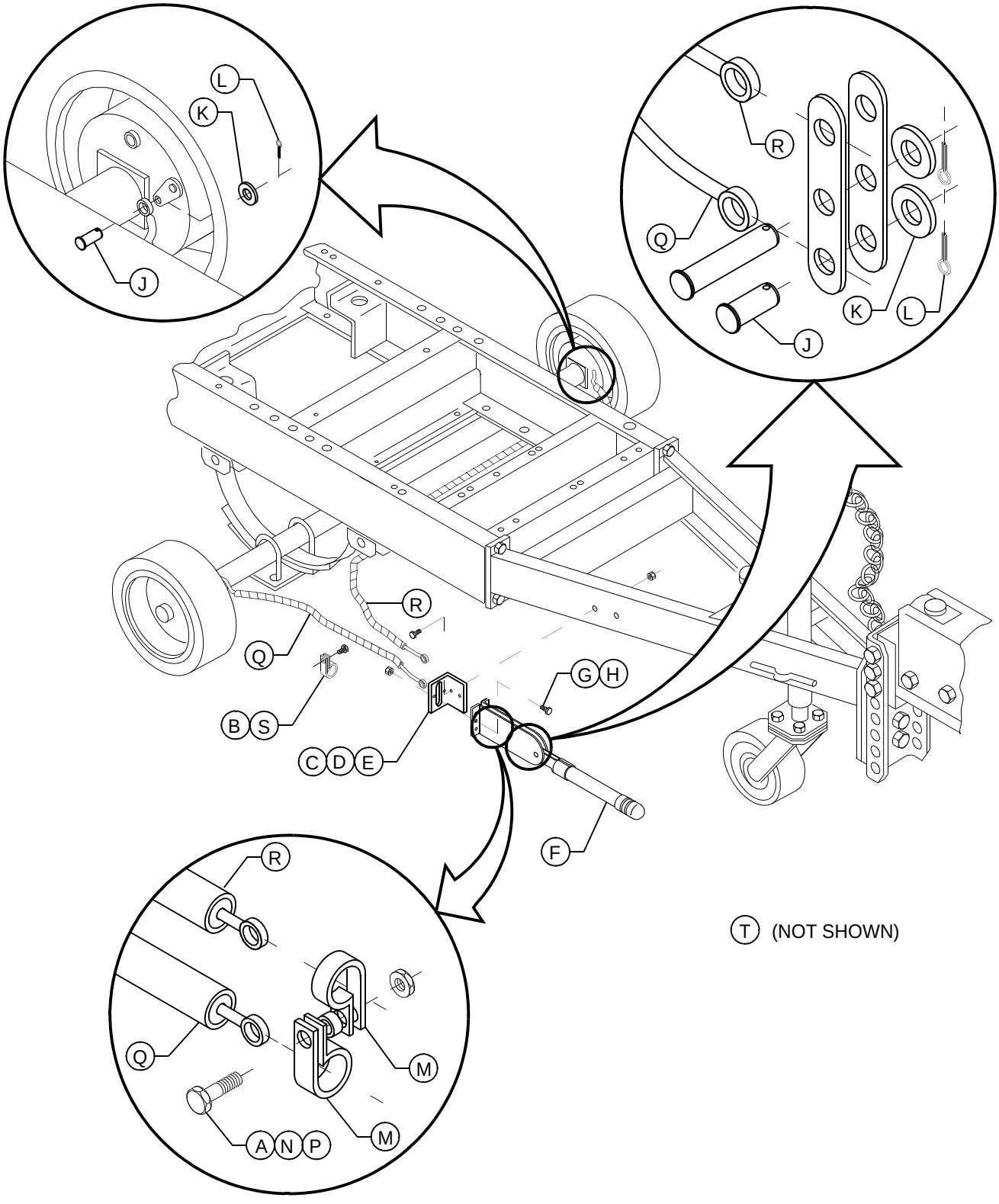
4 BRAKE LIGHT WIRING



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36788081	Light, Tail	4	
B	36893345	Harness, Tail Light	1	
C	36787968	Grommet, Tail Light	4	
D	36853174	Clamp, 1/4” Support	1	
E	35375427	Terminal, Snap	9	
F	35315944	Switch, Breakaway	1	
G	37140365	Terminal, Splice	1	
H	35346337	Terminal, Lug	1	
J	35253038	Clamp, 3/8” Support	4	
K	36797652	Screw, Tapping M06-1.0 X 12	8	
L	92368687	Screw, Tapping M06-1.0 X 14	6	
M	36894616	Reflector, Amber	2	
N	36789261	Harness, 6 Conductor Cable (Std Lg DBar)	1	
	36787216	Harness, 6 Conductor Cable (Ext Lg DBar)	1	
P	35225093	Clamp, 1/2” Support	6	
Q	35120005	Wire, 14 ga Black	40”	
R	35279025	Screw, Tapping M08-1.25 X 20	3	
S	54473525	Cap, Rear End	1	
	54729140	Cap, Rear End (Special Paint)	1	
T	54726468	Light, License	1	
U	36893634	Grommet, Clearance Light	4	
V	35367051	Light, Amber Clearance	2	
W	35367044	Light, Red Clearance	2	
X	36894608	Reflector, Red	2	
Y	36895282	Harness, Electric Brake	1	
Z	37001252	Clamp, Support	1	
A1	35375427	Terminal, 0.176” Snap	5	

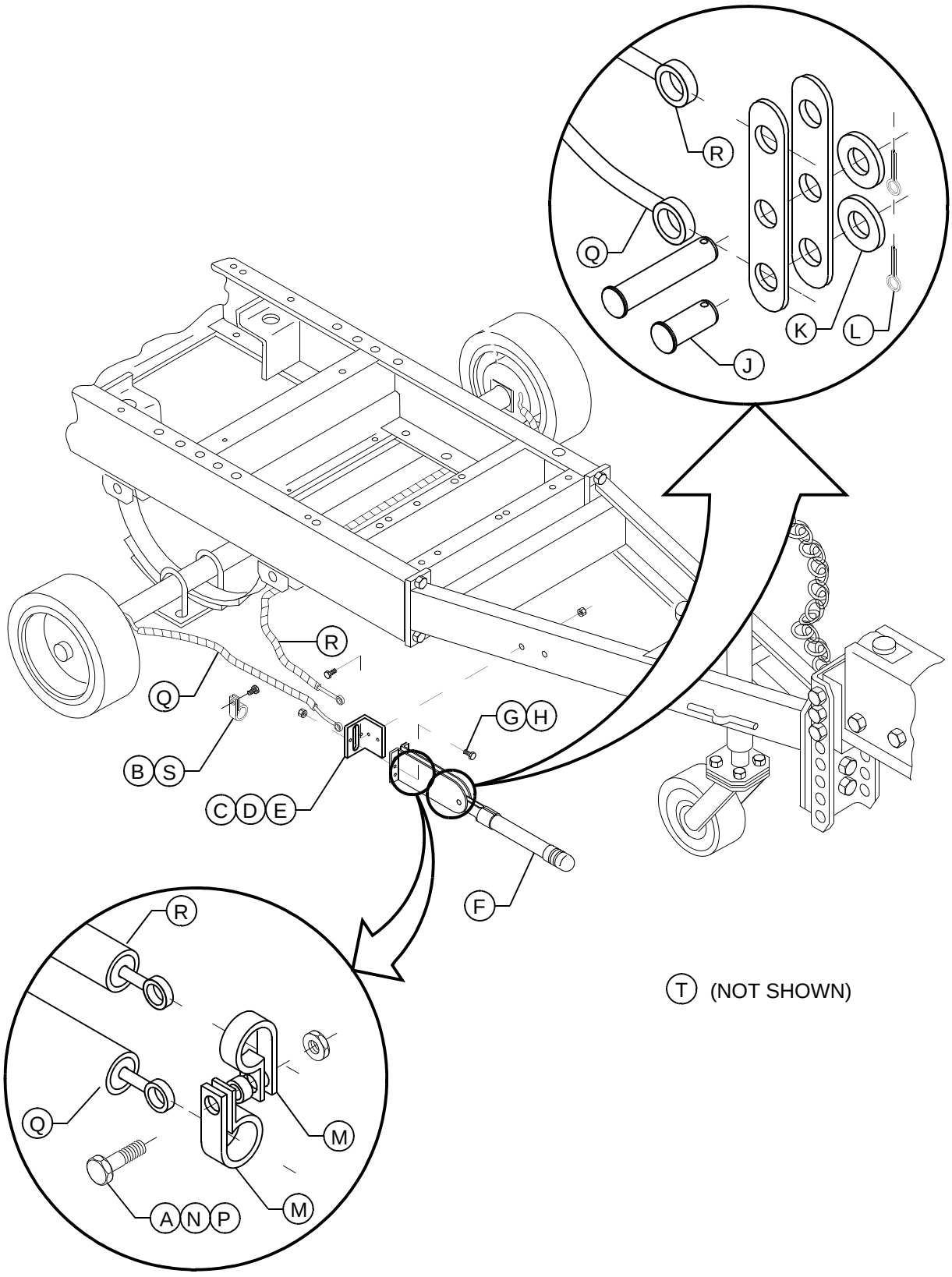
PARKING BRAKE for ELECTRIC BRAKES



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35252600	Nut, Hex Flange 5/16”-18	1	
B	35134477	Clamp, 5/8” Double Hose	1	
C	35116433	Bracket, Brake Lever	1	
D	96704309	Screw, Hex M10-1.5 X 35	2	
E	96735550	Nut, Hex M10-1.5	2	
F	35370055	Lever, Parking Brake	1	
G	96702659	Screw, Hex M08-1.25 X 25	2	
H	96735543	Nut, Hex M08-1.25	2	
J	36846780	Pin, Clevis .31” X .75”	4	
K	95934998	Washer, 3/8” Flat	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	Cable Assembly, 78” Brake	1	
R	36503134	Cable Assembly, 108” Brake	1	
S	35300771	Screw, Tapping M06-1.0 X 20	1	
T	35253038	Clamp, 3/8” Support	3	

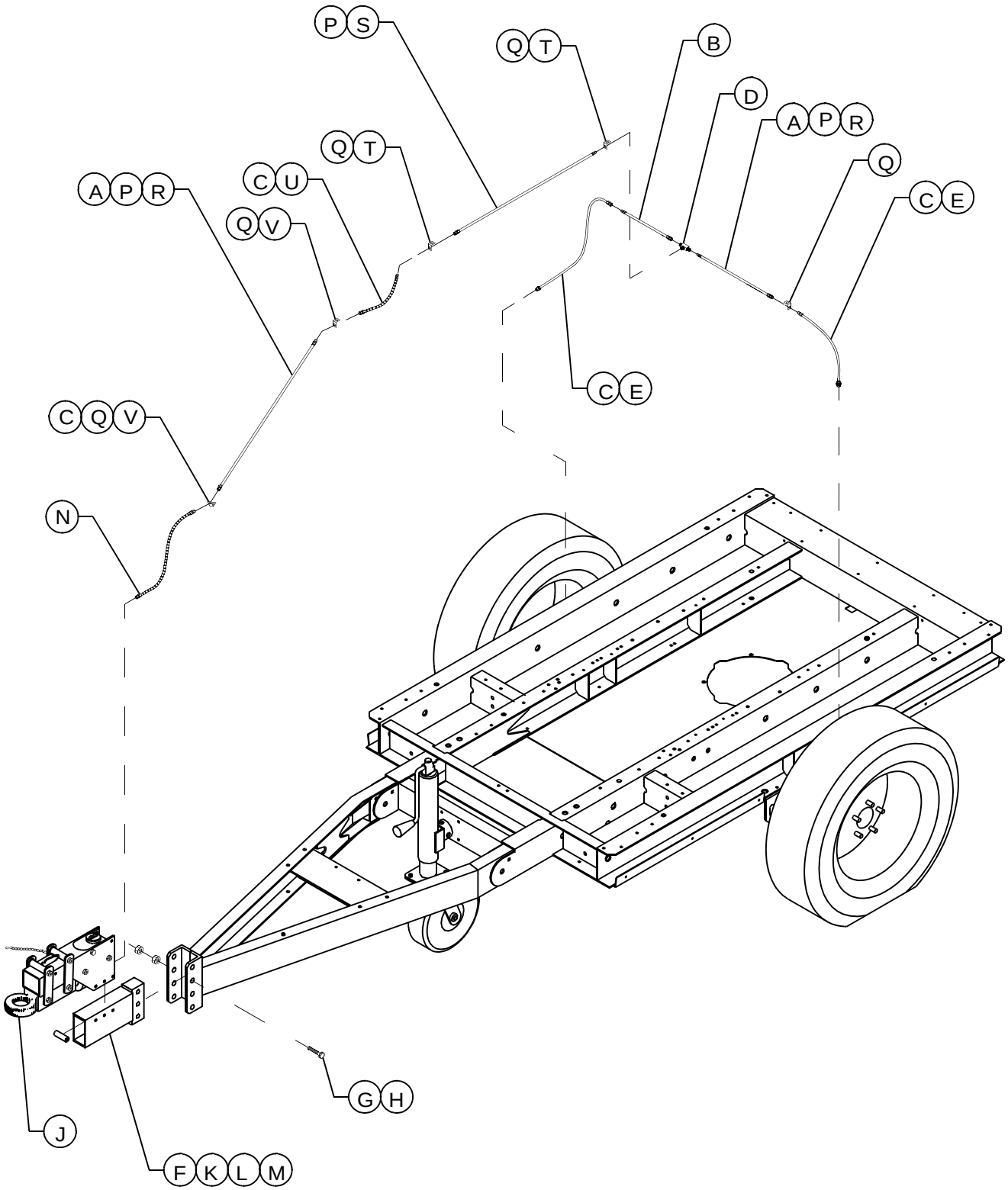
PARKING BRAKE for HYDRAULIC BRAKES



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35252600	Nut, Hex Flange 5/16”-18	1	
B	35134477	Clamp, 5/8” Double Hose	1	
C	35116433	Bracket, Brake Lever	1	
D	96704309	Screw, Hex M10-1.5 X 35	2	
E	96735550	Nut, Hex M10-1.5	2	
F	35370055	Lever, Parking Brake	1	
G	96702659	Screw, Hex M08-1.25 X 25	2	
H	96735543	Nut, Hex M08-1.25	2	
J	36846780	Pin, Clevis .31” X .75”	2	
K	95934998	Washer, 3/8” Flat	2	
L	95928867	Pin, Cotter .09”	2	
M	35126325	Clamp, Cable	2	
N	95943668	Screw, Hex 5/16”-18 X 1.75”	1	
P	35126358	Spacer	1	
Q	35517176	Cable Assembly, 78” Brake	1	
R	35594076	Cable Assembly, 117” Brake	1	
S	35300771	Screw, Tapping M06-1.0 X 20	1	
T	35253038	Clamp, 3/8” Support	3	

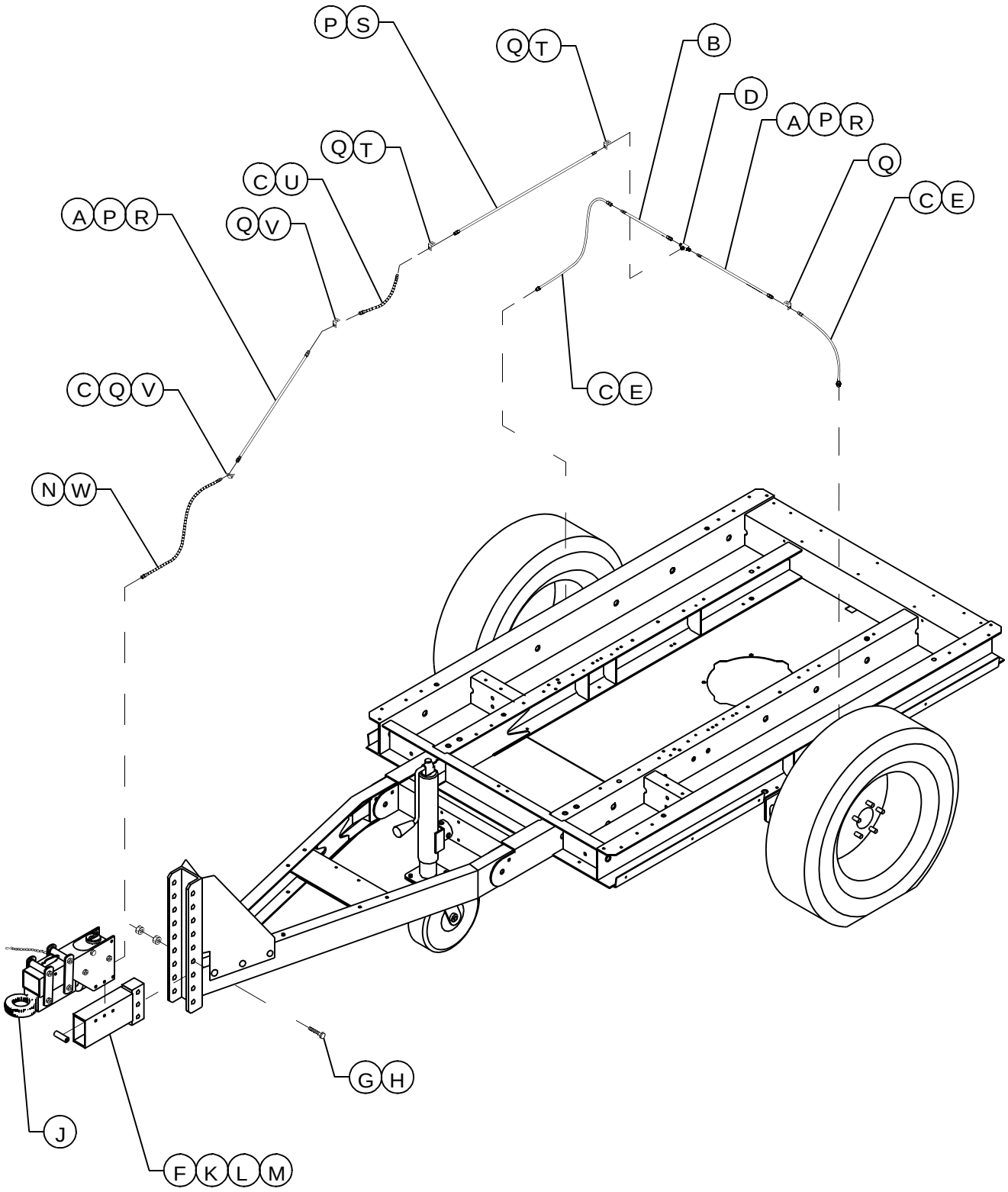
HYDRAULIC BRAKE LINES on STD DBAR w/ STD HT



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356401	Tube, Brake 3/16” X 40”	2	
B	36881290	Tube, Brake 3/8” X 12”	1	
C	35356302	Clip, Hose	5	
D	35356328	Tee, 3/16” Inverted	1	
E	35356369	Hose, Brake 3/8” X 13”	2	
F	36758647	Support, Hydraulic Actuator	1	
G	35376094	Screw, Hex M16 -2.0 X 120	3	
H	96701750	Nut, Hex M16-2.0	6	
J	35316611	Actuator, Hydraulic Brake	1	
K	35333673	Spacer, Hydraulic Drawbar	3	
L	95935169	Screw, Hex 1/2”-13 X 4”	3	
M	95923348	Nut, Hex Nyloc 1/2”-13	3	
N	35356377	Hose, 3/16” X 18.88”	1	
P	37001252	Clamp, Support	3	
Q	35356310	Bracket, Hose Mounting	5	
R	35300771	Screw, Tapping M06-1.0 X 20	2	
S	36881274	Tube, Brake 3/16 X 50”	1	
T	92368687	Screw, Tapping M06-1.0 X 14	2	
U	36881399	Hose, Brake 3/16” X 24”	1	
V	35279025	Screw, Tapping M08-1.25 X 20	2	

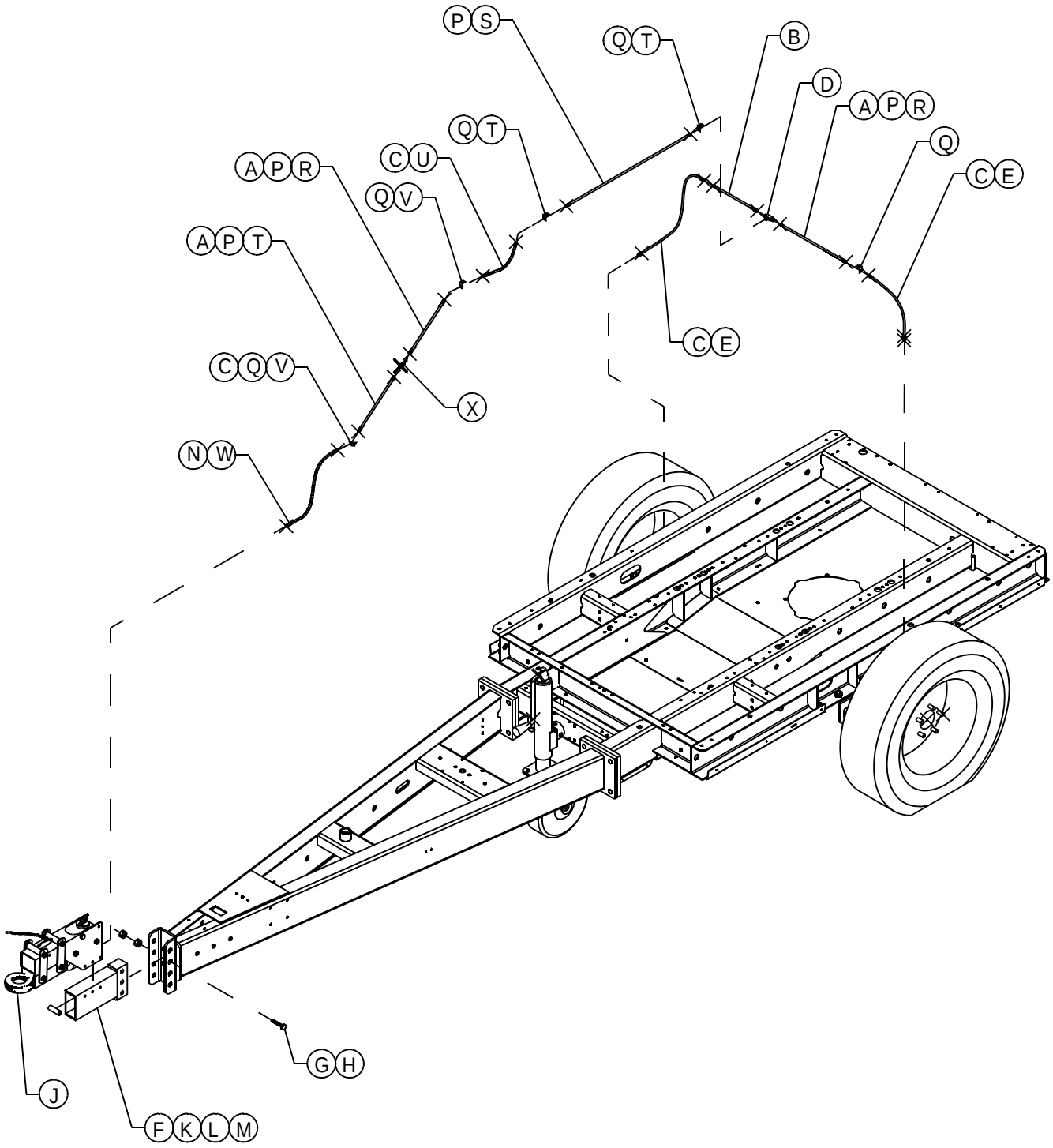
HYDRAULIC BRAKE LINES on STD DBAR w/ ADJ HT



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356401	Tube, Brake 3/16” X 40”	2	
B	36881290	Tube, Brake 3/8” X 12”	1	
C	35356302	Clip, Hose	5	
D	35356328	Tee, 3/16” Inverted	1	
E	35356369	Hose, Brake 3/8” X 13”	2	
F	36758647	Support, Hydraulic Actuator	1	
G	35376094	Screw, Hex M16 -2.0 X 120	3	
H	96701750	Nut, Hex M16-2.0	6	
J	35316611	Actuator, Hydraulic Brake	1	
K	35333673	Spacer, Hydraulic Drawbar	3	
L	95935169	Screw, Hex 1/2”-13 X 4”	3	
M	95923348	Nut, Hex Nyloc 1/2”-13	3	
N	35605310	Hose, 3/16” X 18.88”	1	
P	37001252	Clamp, Support	3	
Q	35356310	Bracket, Hose Mounting	5	
R	35300771	Screw, Tapping M06-1.0 X 20	2	
S	36881274	Tube, Brake 3/16 X 50”	1	
T	92368687	Screw, Tapping M06-1.0 X 14	2	
U	36881399	Hose, Brake 3/16” X 24”	1	
V	35279025	Screw, Tapping M08-1.25 X 20	2	
W	35315746	Adapter	1	

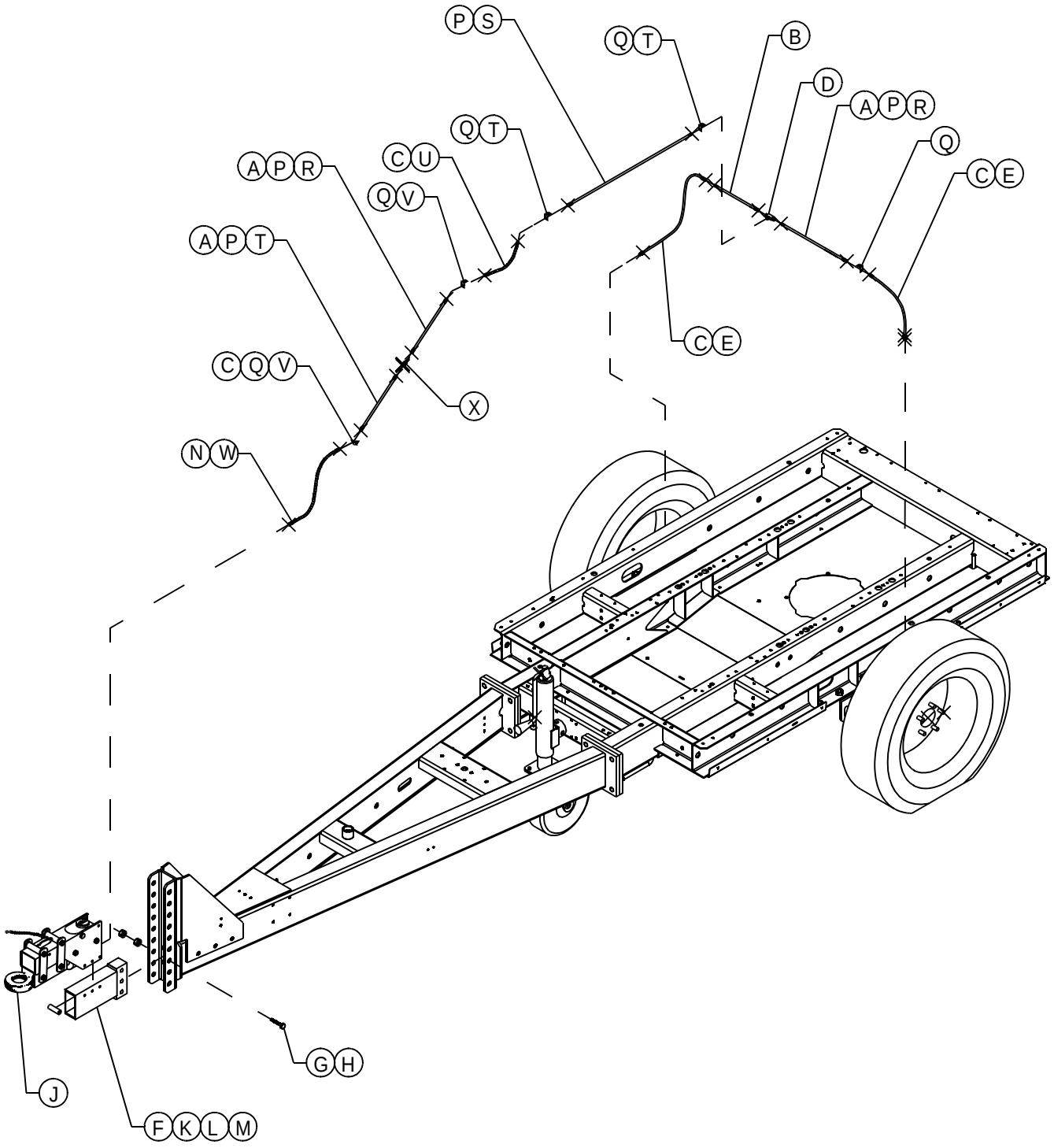
HYDRAULIC BRAKE LINES on HD EXTD DBAR w/ STD HT



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356401	Tube, Brake 3/16” X 40”	2	
B	36881290	Tube, Brake 3/8” X 12”	1	
C	35356302	Clip, Hose	5	
D	35356328	Tee, 3/16” Inverted	1	
E	35356369	Hose, Brake 3/8” X 13”	2	
F	36758647	Support, Hydraulic Actuator	1	
G	35376094	Screw, Hex M16 -2.0 X 120	3	
H	96701750	Nut, Hex M16-2.0	6	
J	35316611	Actuator, Hydraulic Brake	1	
K	35333673	Spacer, Hydraulic Drawbar	3	
L	95935169	Screw, Hex 1/2”-13 X 4”	3	
M	95923348	Nut, Hex Nyloc 1/2”-13	3	
N	35356377	Hose, 3/16” X 18.88”	1	
P	37001252	Clamp, Support	3	
Q	35356310	Bracket, Hose Mounting	5	
R	35300771	Screw, Tapping M06-1.0 X 20	2	
S	36881274	Tube, Brake 3/16 X 50”	1	
T	92368687	Screw, Tapping M06-1.0 X 14	2	
U	36881399	Hose, Brake 3/16” X 24”	1	
V	35279025	Screw, Tapping M08-1.25 X 20	2	
W	35315746	Adapter	1	
X	35356336	Union, 3/16”	1	

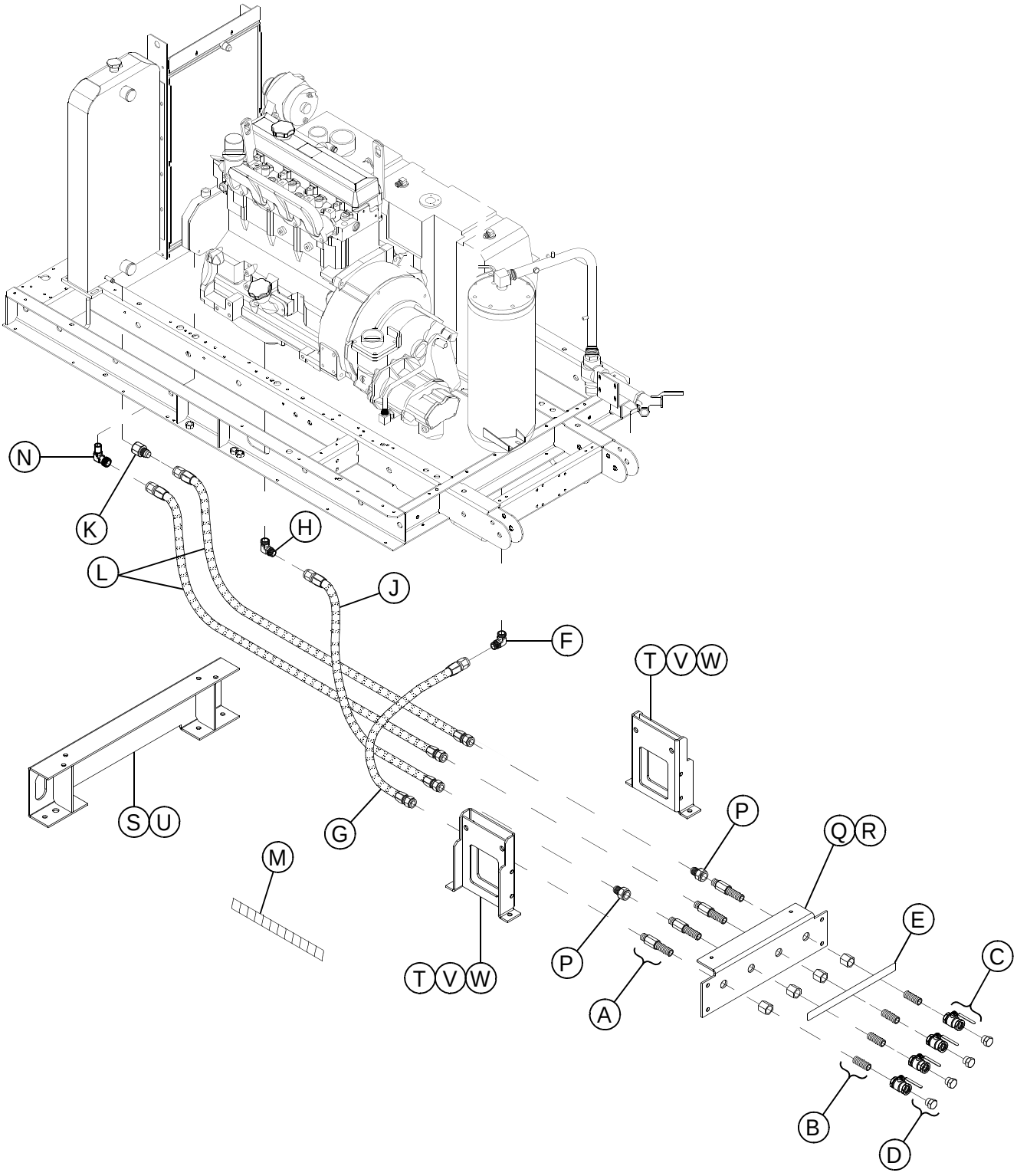
HYDRAULIC BRAKE LINES on HD EXTD DBAR w/ ADJ HT



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35356401	Tube, Brake 3/16” X 40”	2	
B	36881290	Tube, Brake 3/8” X 12”	1	
C	35356302	Clip, Hose	5	
D	35356328	Tee, 3/16” Inverted	1	
E	35356369	Hose, Brake 3/8” X 13”	2	
F	36758647	Support, Hydraulic Actuator	1	
G	35376094	Screw, Hex M16 -2.0 X 120	3	
H	96701750	Nut, Hex M16-2.0	6	
J	35316611	Actuator, Hydraulic Brake	1	
K	35333673	Spacer, Hydraulic Drawbar	3	
L	95935169	Screw, Hex 1/2”-13 X 4”	3	
M	95923348	Nut, Hex Nyloc 1/2”-13	3	
N	35605310	Hose, 3/16” X 18.88”	1	
P	37001252	Clamp, Support	3	
Q	35356310	Bracket, Hose Mounting	5	
R	35300771	Screw, Tapping M06-1.0 X 20	2	
S	36881274	Tube, Brake 3/16 X 50”	1	
T	92368687	Screw, Tapping M06-1.0 X 14	2	
U	36881399	Hose, Brake 3/16” X 24”	1	
V	35279025	Screw, Tapping M08-1.25 X 20	2	
W	35315746	Adapter	1	
X	35356336	Union, 3/16”	1	

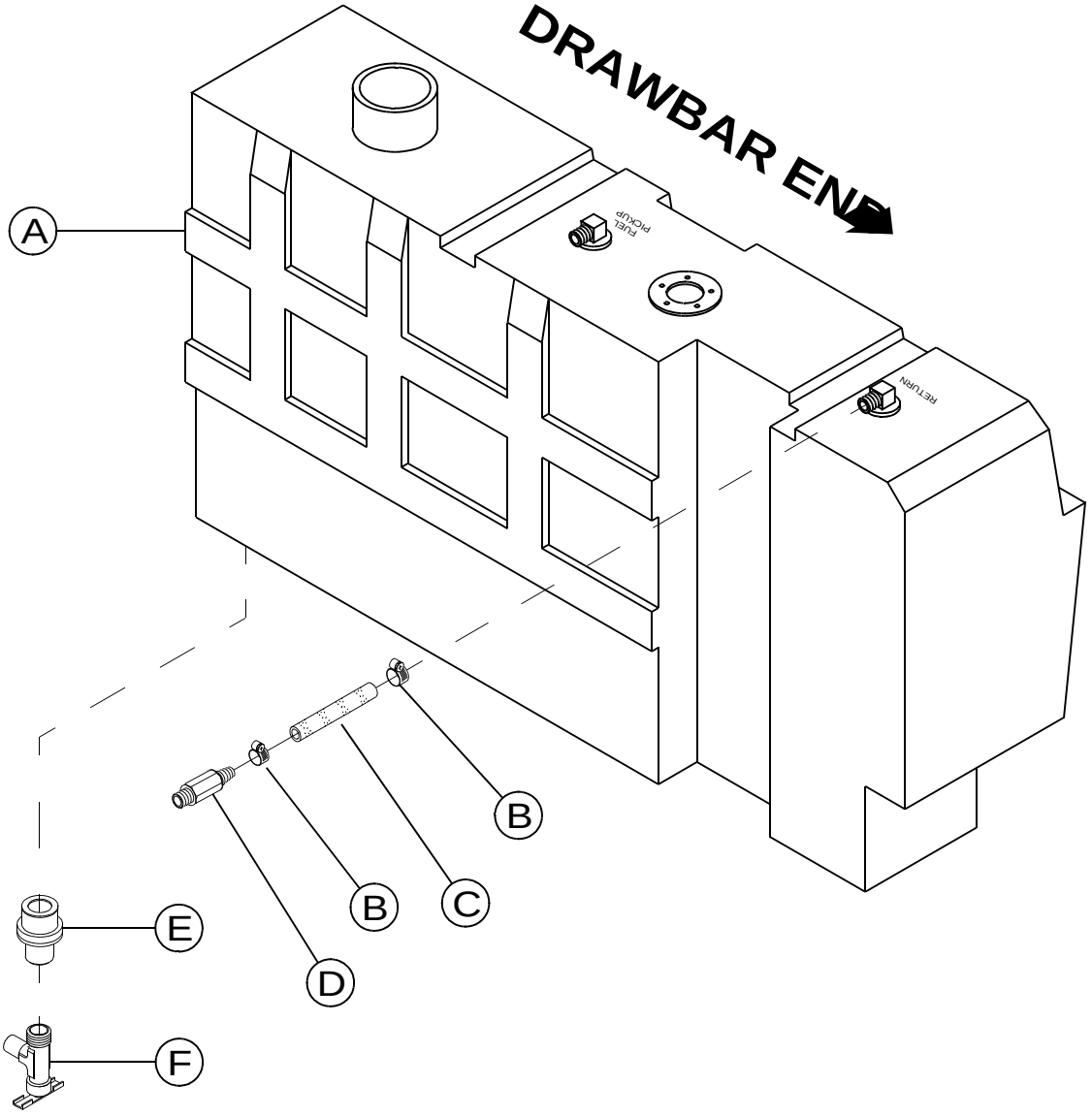
LRG with CENTRAL DRAINS



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35287747	Fitting, Bulkhead	4	
B	95928040	Nipple, Close 3/4” X 1.38”	4	
C	36777399	Valve, Ball 3/4” T-Handle	4	
D	95947149	Plug, Hex Countersink 3/4” NPT	4	
E	54629977	Decal, Central Drain	1	
F	35294750	Elbow, 90° 1.O6”-12 SAE to -12 JIC	1	
G	35330844	Hose Assembly, -12 JIC X 19”	1	
H	22431167	Elbow, 90° M22 X -12 JIC	1	
J	35323807	Hose, -12 JIC X 68”	1	
K	35283134	Adapter, 1/4” NPT to -8 JIC	1	
L	35305481	Hose Assembly, -8 JIC X 88”	2	
M	35291236	Coil, Plastic	36”	* Cut to Length
N	35296250	Elbow, 90° 1/4” NPT to -8 JIC	1	
P	35365774	Reducer, Tube	2	
Q	36884120	Support, Central Drain	1	
R	96702444	Screw, Hex M12-1.75 X 40	4	
S	36883973	Support, Rear LRG	1	
T	36884088	Support, Front LRG	2	
U	35148030	Screw, Hex Tapping 1/2”-13 X 1.0”	4	
V	35290113	Screw, Hex M16-2.0 X 75	2	
W	36879211	Nut, Hex Flange M16-2.0	2	

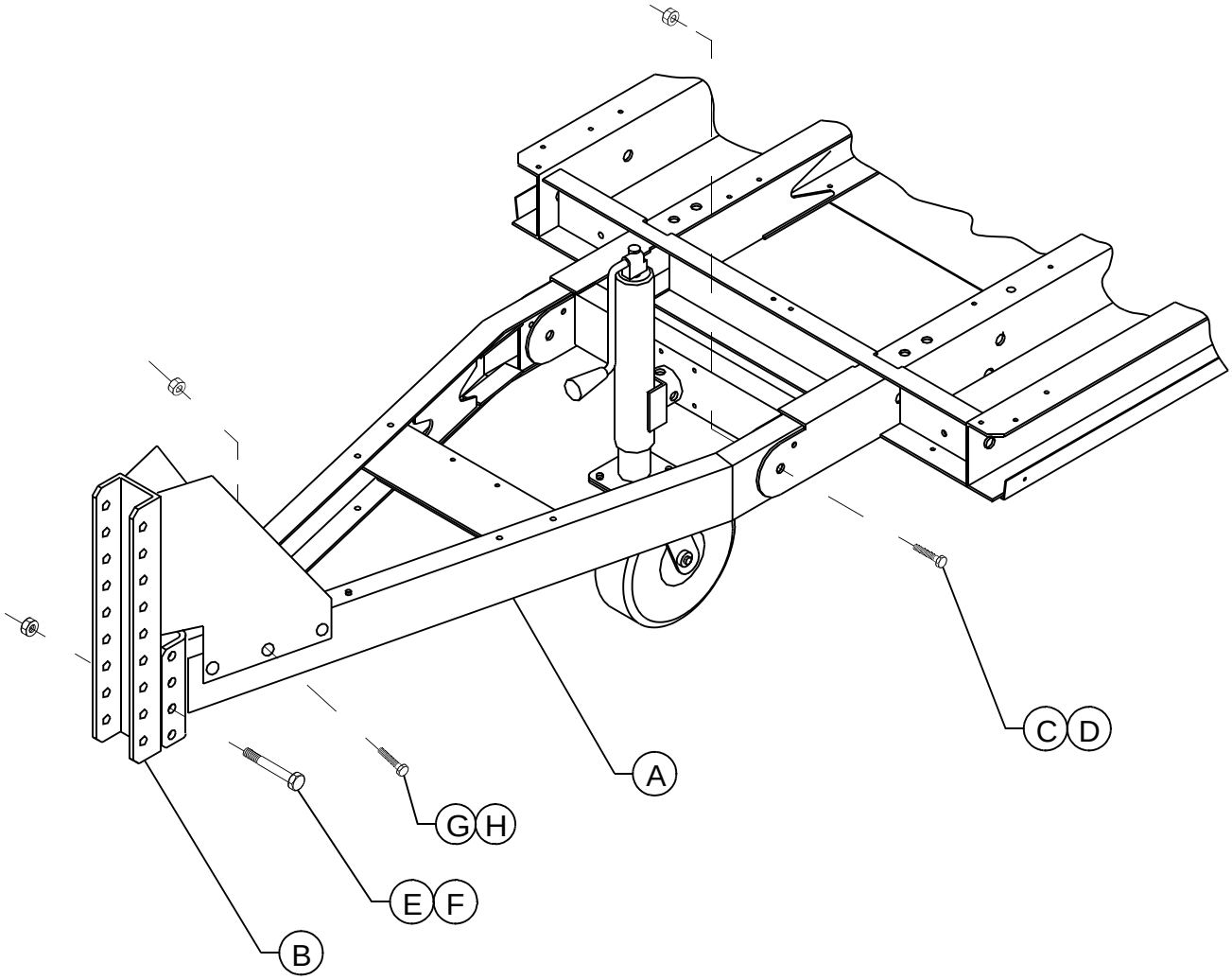
DRAIN, FUEL TANK



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36892180	Fuel, Fuel	1	
B	35296342	Clamp, Worm Gear	2	
C	35363498	Hose, 0.31” Fuel	2”	
D	36845493	Filter, Fuel	1	
E	36891596	Adapter, Fuel Fuel	1	
F	36782167	Valve, Drain	1	

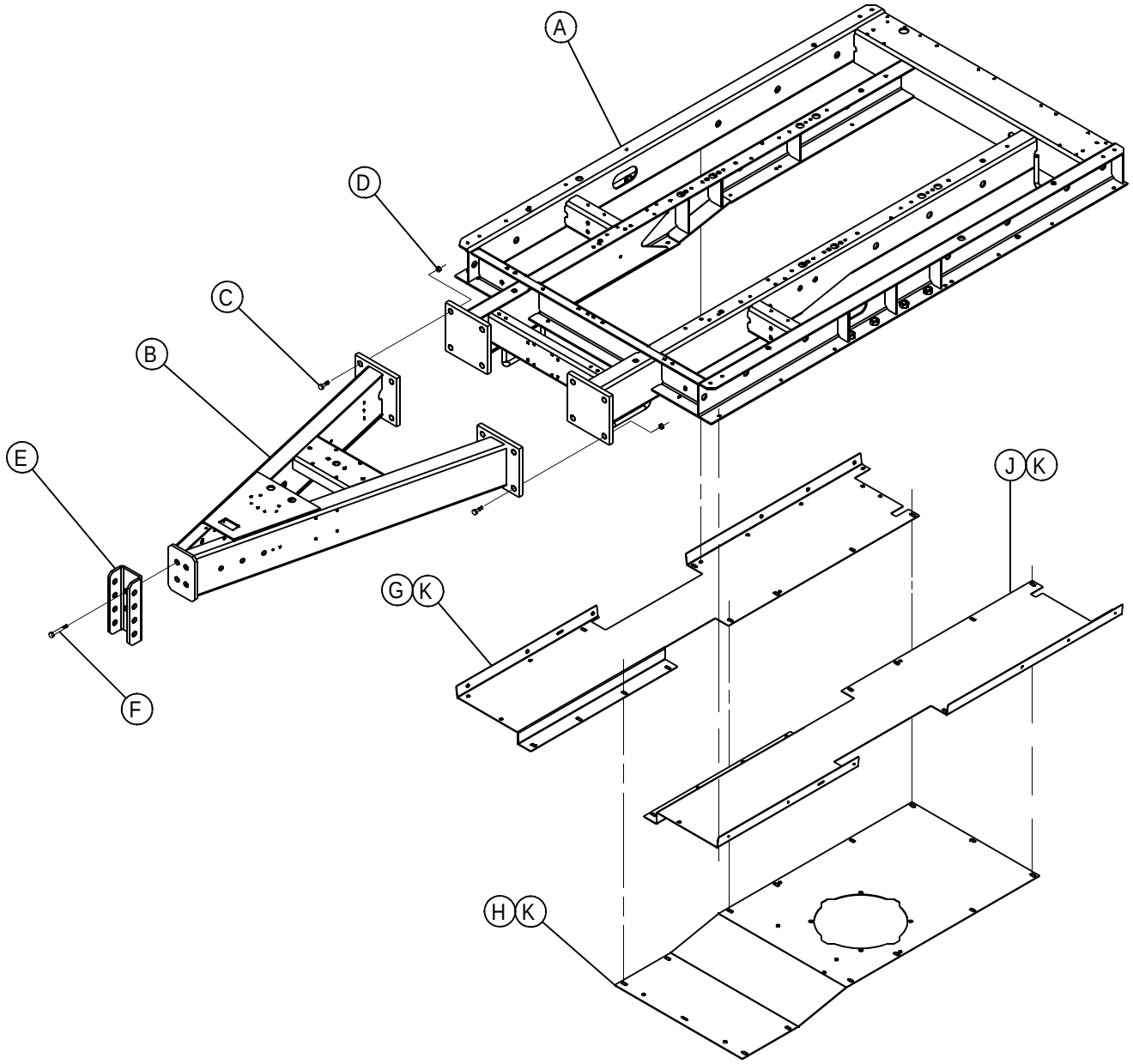
STANDARD FRAME STANDARD DRAWBAR with ADJUSTABLE HEIGHT



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36886364	Drawbar	1	
B	36882660	Lunette, Adjustable Height	1	
C	35290113	Screw, Hex M16-2.0 X 75	2	
D	96704630	Nut, Hex Nyloc M16-2.0	2	
E	35376094	Screw, Hex M16 -2.0 X 120	2	
F	96701750	Nut, Hex M16-2.0	2	
G	36879492	Screw, Hex Flange M12-1.75 X 25	6	
H	36879203	Nut, Hex Flange M12-1.75	6	

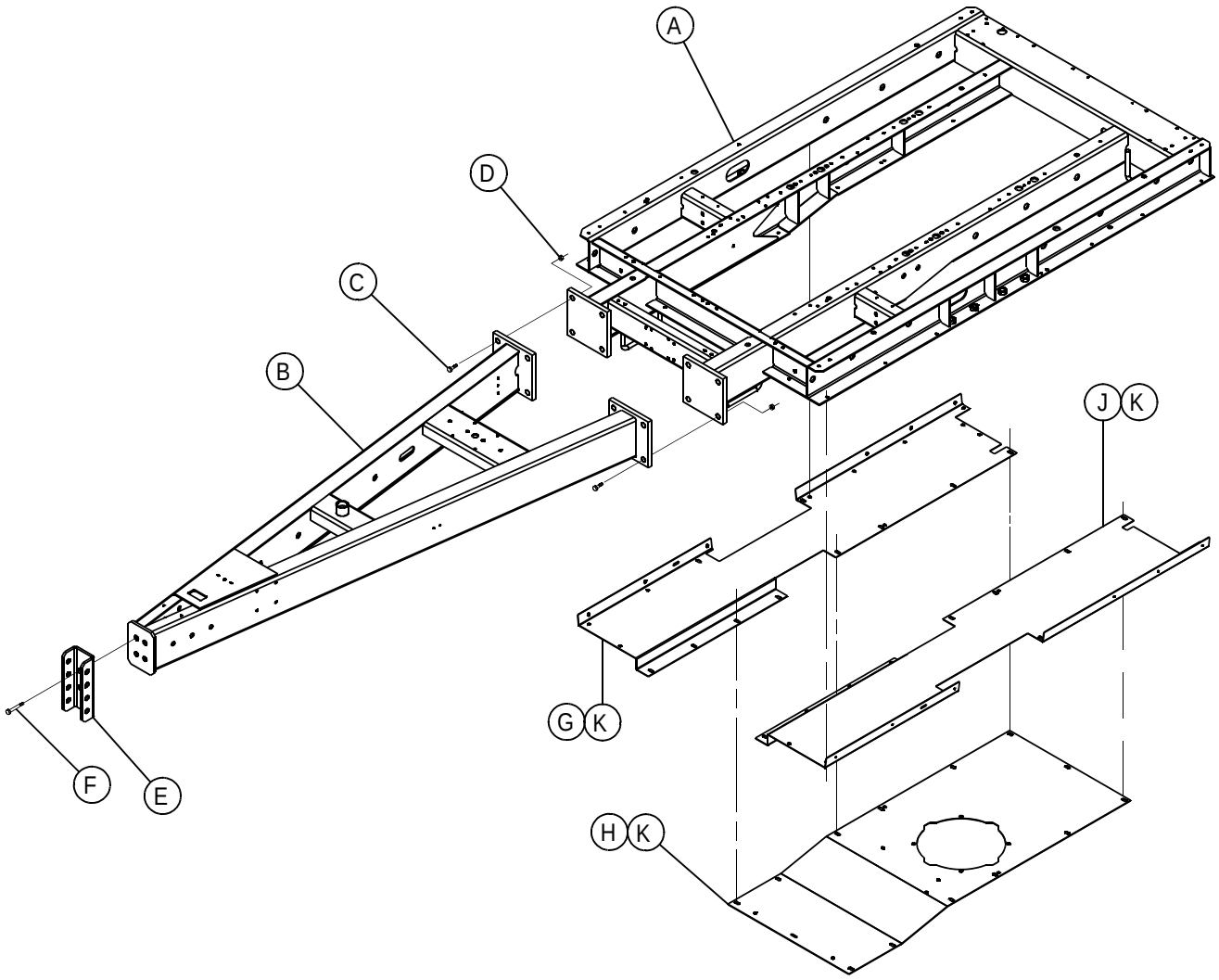
HEAVY DUTY FRAME STANDARD DRAWBAR with STANDARD HEIGHT



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23138498	Frame	1	
B	23138555	Drawbar, Short Extended	1	
C	36879302	Screw, Hex Flange M16-2.0 X 50	8	
D	36879211	Nut, Hex Flange M16-2.0	8	
E	36757284	Channel, Pintle Mounting	1	
F	39179072	Screw, Hex M16-2.0 X 50	4	
G	23207772	Pan, CRBSD Belly	1	
H	23146855	Pan, Center Belly	1	
J	23207764	Pan, STSD Belly	1	
K	35279025	Screw, Tapping M08-1.25 X 20	29	

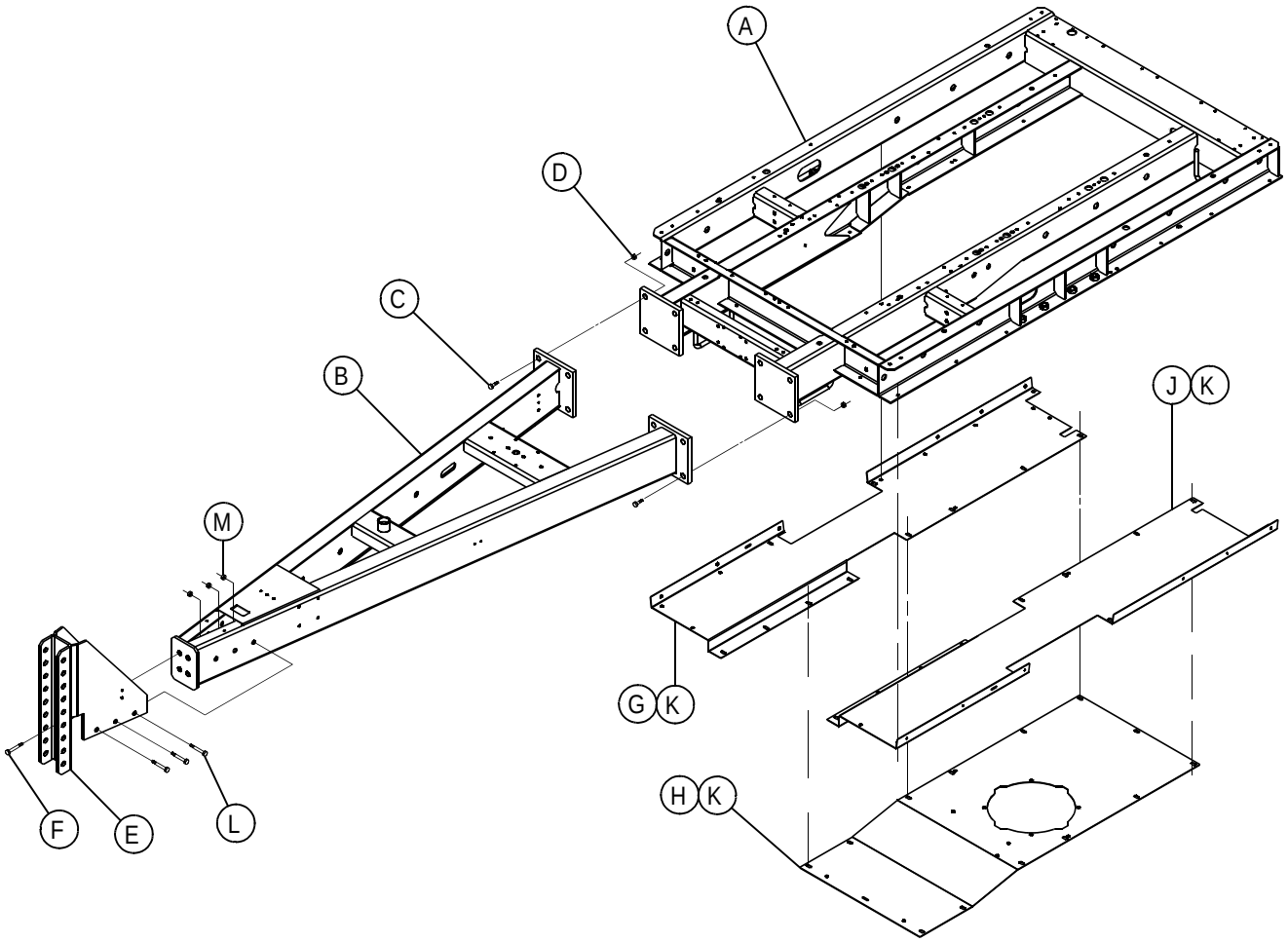
HEAVY DUTY FRAME EXTENDED DRAWBAR with STANDARD HEIGHT



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23138498	Frame	1	
B	23138548	Drawbar, Extended	1	
C	36879302	Screw, Hex Flange M16-2.0 X 50	8	
D	36879211	Nut, Hex Flange M16-2.0	8	
E	36757284	Channel, Pintle Mounting	1	
F	39179072	Screw, Hex M16-2.0 X 50	4	
G	23207772	Pan, CRBSD Belly	1	
H	23146855	Pan, Center Belly	1	
J	23207764	Pan, STSD Belly	1	
K	35279025	Screw, Tapping M08-1.25 X 20	29	

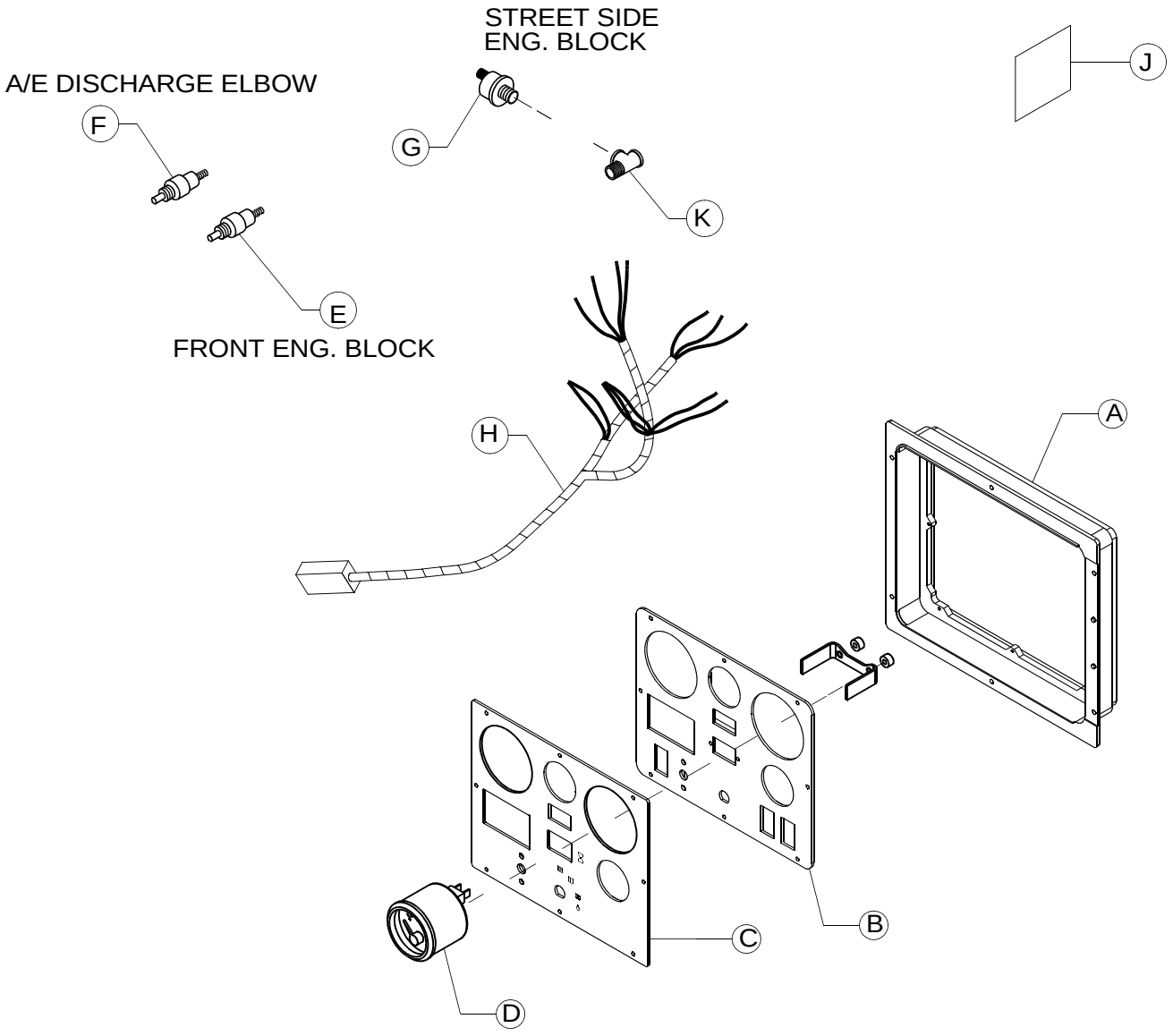
HEAVY DUTY FRAME EXTENDED DRAWBAR with ADJUSTABLE HEIGHT



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	23138498	Frame	1	
B	23138548	Drawbar, Deep Extended	1	
C	36879302	Screw, Hex Flange M16-2.0 X 50	8	
D	36879211	Nut, Hex Flange M16-2.0	8	
E	36882652	Lunette, Adjustable Height	1	
F	39179072	Screw, HEX M16-2.0 X 50	4	
G	23207772	Pan, CRBSD Belly	1	
H	23146855	Pan, Center Belly	1	
J	23207764	Pan, STSD Belly	1	
K	35279025	Screw, Tapping M08-1.25 X 20	29	
L	36879492	Screw, Hex Flange M12-1.75 X 25	6	
M	36879203	Nut, Hex Flange M12-1.75	6	

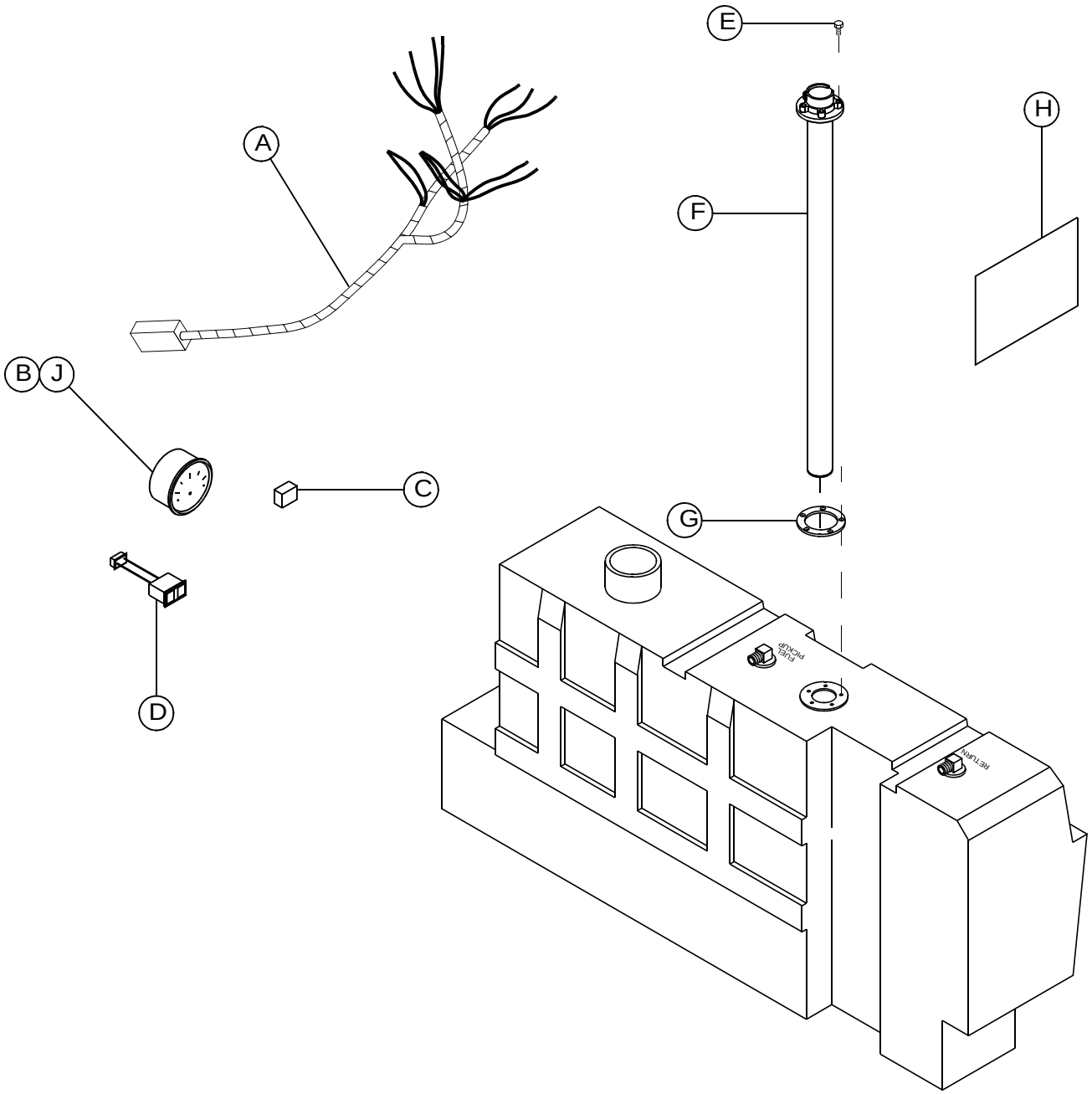
INSTRUMENT PANEL 4-in-1 GAUGE



OPTION_04/08_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	22058291	Gauge, 4-in-1	1	
E	35367218	Sender, Engine Temperature	1	
F	22975403	Temperature, Discharge Temperature	1	
G	36870608	Sender, Oil Pressure	1	
H	22219729	Harness, Option Wiring	1	
J	22361828	Decal, Option Wiring	1	
K	39127287	Tee, 1/8” Street	1	

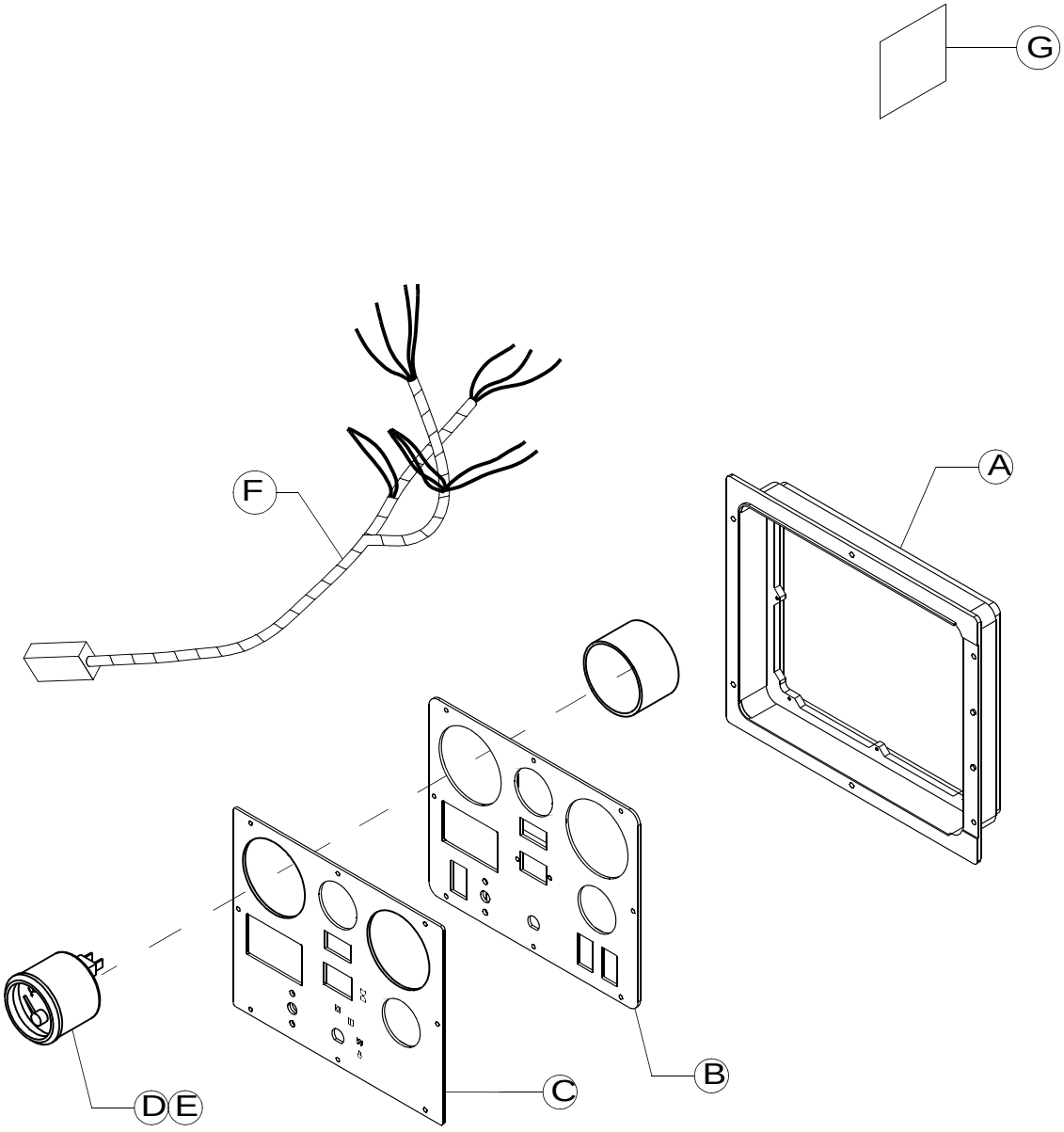
INSTRUMENT PANEL FUEL GAUGE



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22219711	Harness, Gauge Gauge	1	
B	22773337	Gauge, Fuel	1	
C	54368048	Relay	1	
D	54774112	Module, 2 Light Warning	1	
E	22752992	Screw, Hex Sheetmetal #10 X 1/2”	5	
F	22058531	Sender, Fuel Level	1	
G	35361849	Gasket, Fuel Sender	1	
H	22339196	Decal, Fuel Option	1	
J	22137418	Bulb	AR	

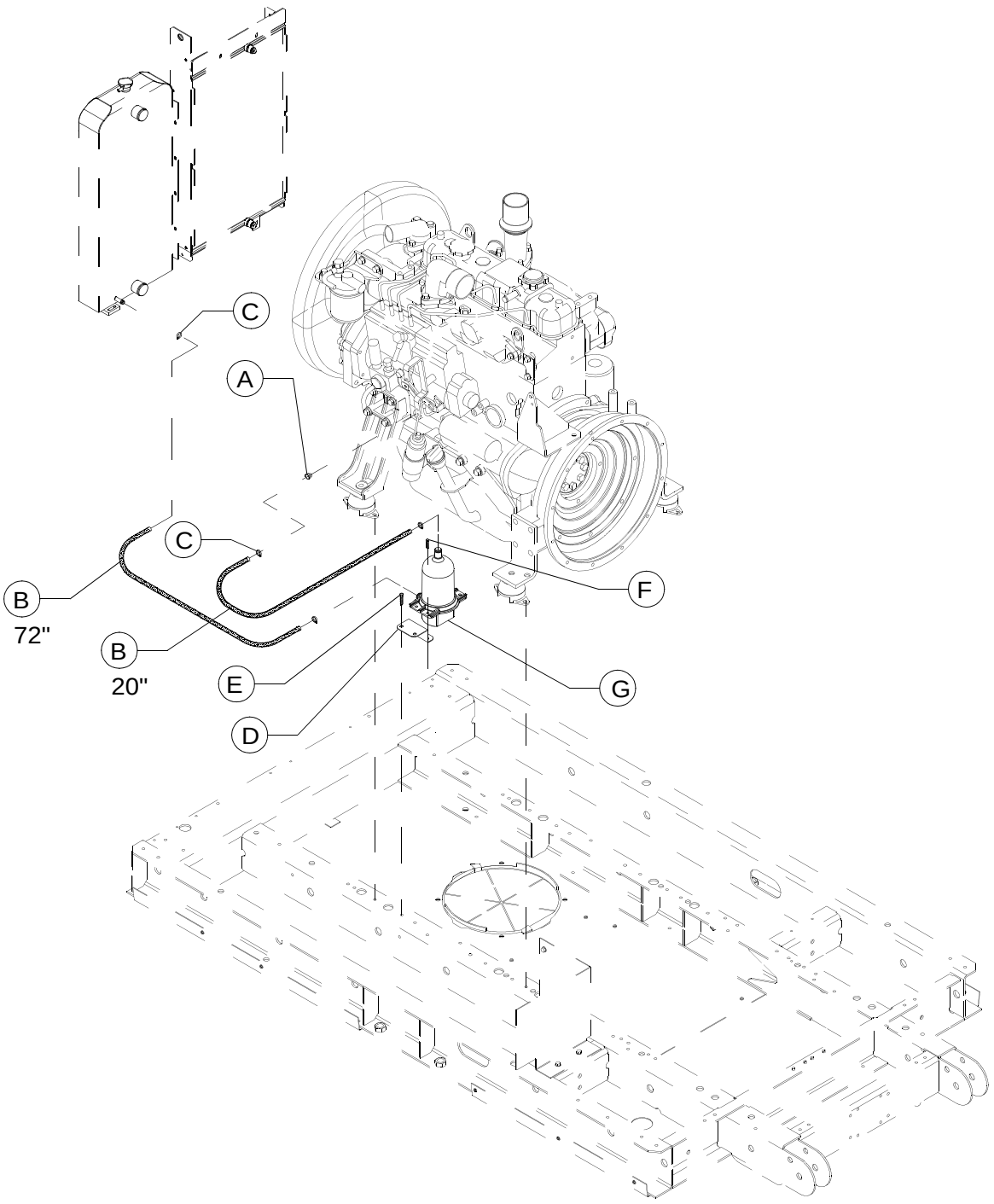
INSTRUMENT PANEL TACHOMETER



OPTION_04/08_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	Gauge, Tachometer	1	
E	22137426	Lamp, 28V	1	
F	22219729	Harness, Option Wiring	1	
G	22361828	Decal, Option Wiring	1	

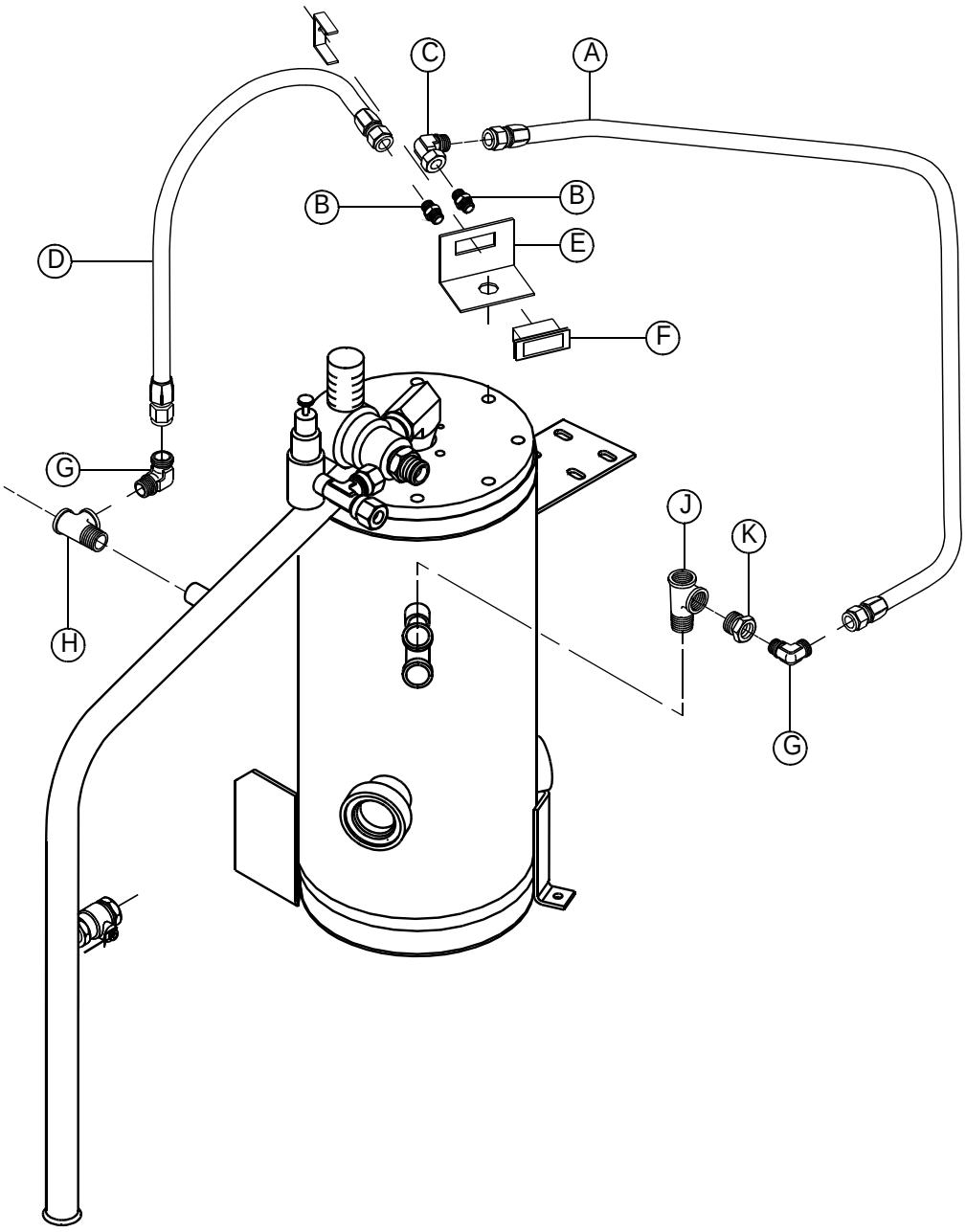
HEATER, BLOCK



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95938601	Bushing, Reducing	1	
B	35326578	Hose, Heater	*	See Lengths Above
C	95220844	Clamp, Hose	4	
D	54593967	Bracket, Heater	1	
E	35279025	Screw, Tapping M08-1.25 X 20	2	
F	92368687	Screw, Tapping M06-1.0 X 14	2	
G	54541263	Tank, Heater	1	

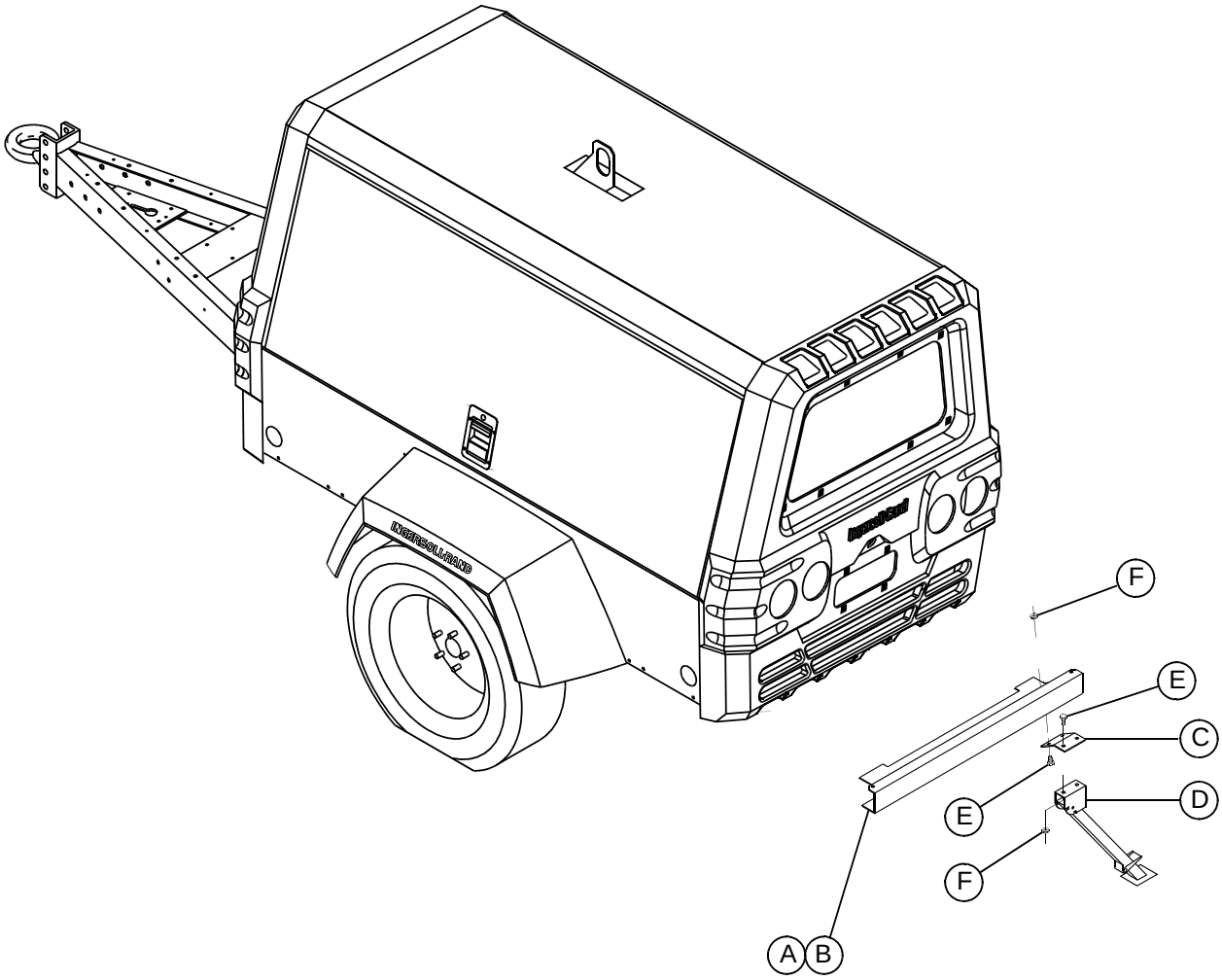
INDICATOR, SEPARATOR DELTA P



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35358662	Hose, -4 JIC X 19”	1	
B	95287629	Adapter, 1/8” NPT X -4 JIC	2	
C	35260352	Elbow, Swivel Nut -4 JIC	1	
D	35315407	Hose, -4 JIC X 24”	1	
E	36841922	Bracket, Separator Indicator Mounting	1	
F	35825546	Indicator, Separator Element	1	
G	35283464	Elbow, 1/4” NPT X -4 JIC	2	
H	95944690	Tee, Street 1/4 “NPT	1	
J	35301373	Tee, Street 1/2” NPT	1	
K	95944625	Bushing, Reducing 1/2” NPT X 1/4” NPT	1	

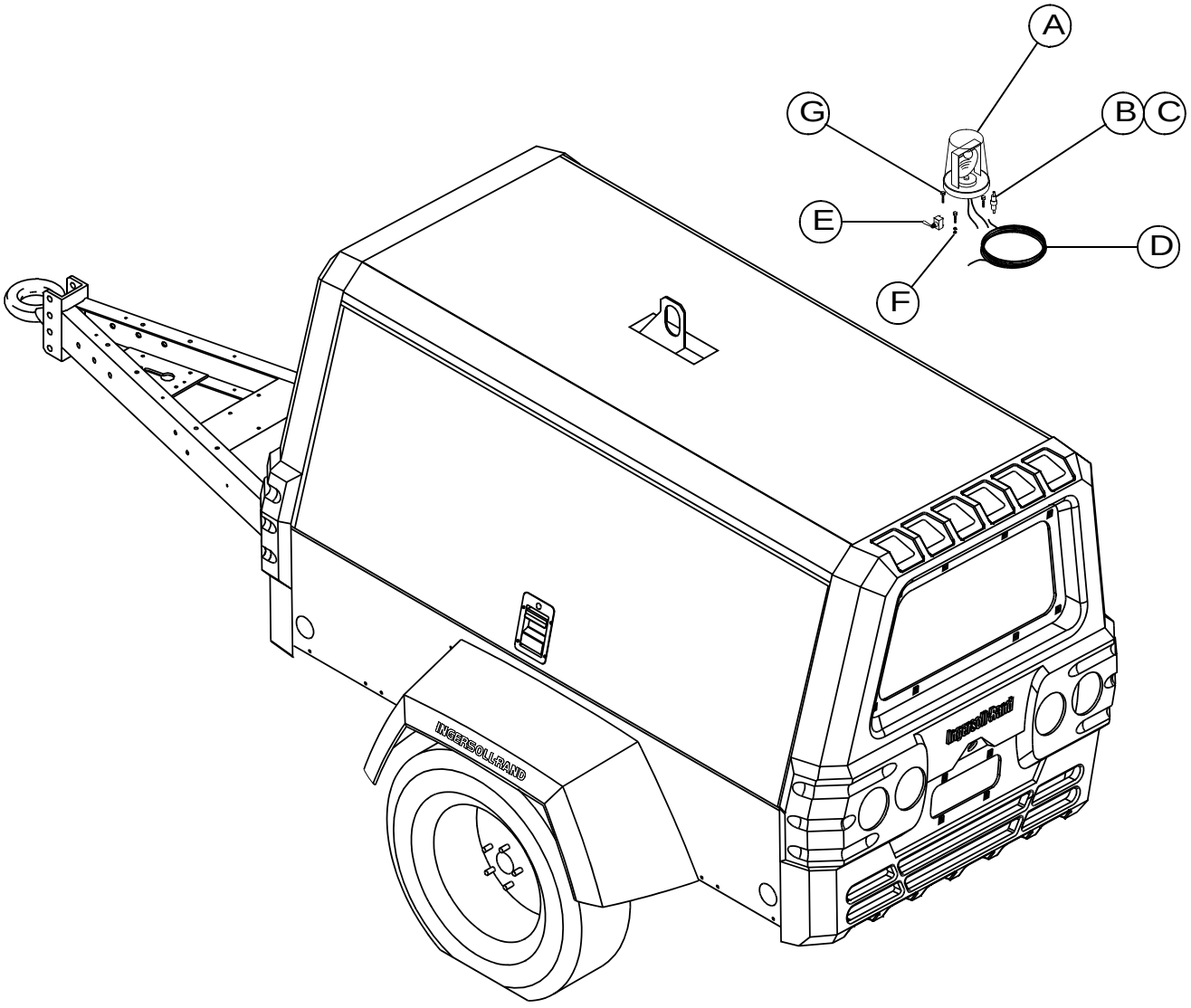
DROPLEG, BUMPER w/ REAR



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36921930	Bumper	1	
B	35148030	Screw, Tapping 1/2”-13 X 1”	4	
C	36778124	Bracket, Dropleg	1	
D	36726586	Dropleg	1	
E	35376953	Screw, Hex M10-1.50 X 20	4	
F	36879195	Nut, Hex M10-1.50	4	

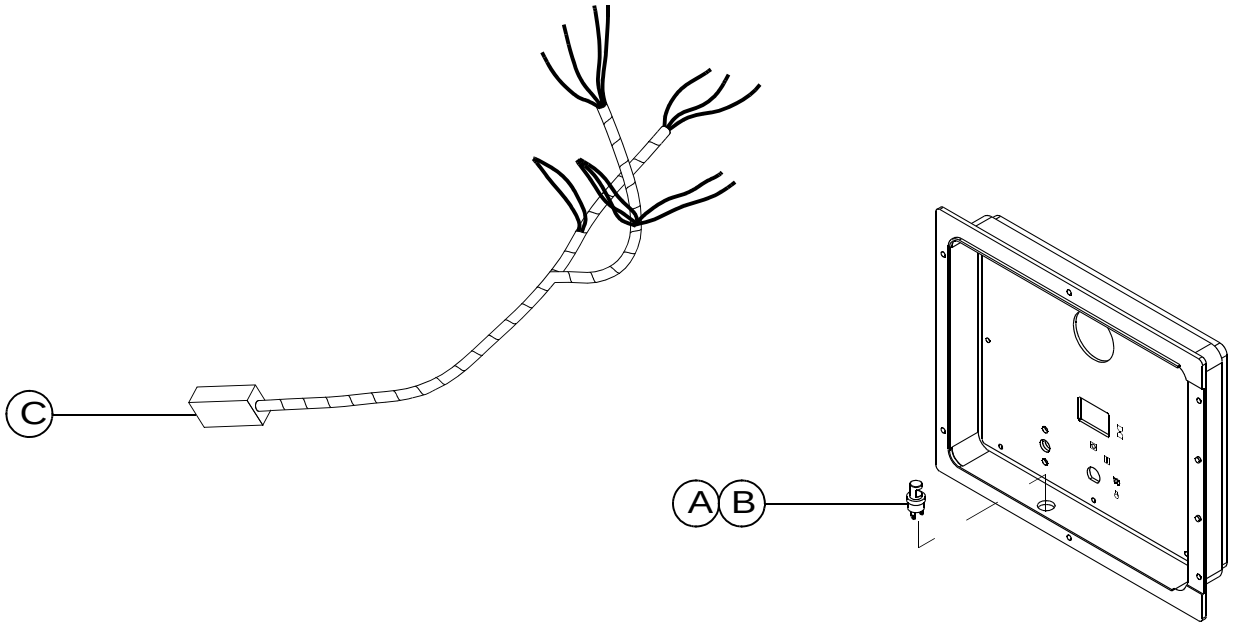
LIGHT, REVOLVING AMBER



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35366111	Light, Amber Flashing	1	
B	35316645	Fuseholder	1	
C	35298041	Fuse, 20 AMP	1	
D	35124114	Wire, 14 AWG	120”	
E	35337435	Switch, Toggle	1	
F	36525388	Nut, Hex Lock #10-32	6	
G	95163473	Screw, Hex #10-32 X 1.25”	3	

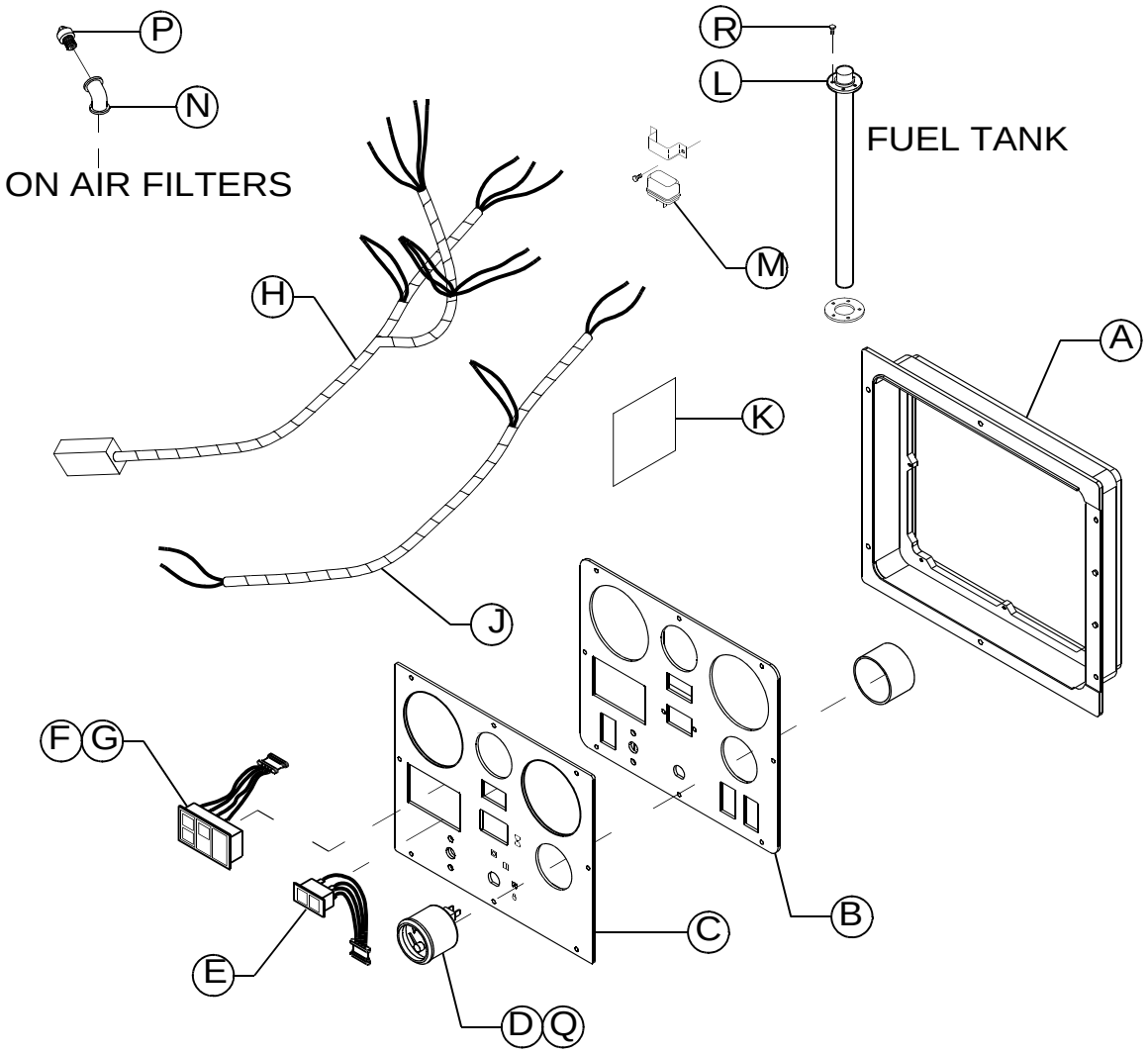
PANEL ILLUMINATION LAMP



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36852622	Lamp Assembly, Miniture	1	
B	35333236	Bulb, Incandescent 12 V	1	
C	22074843	Harness, Panel Light	1	

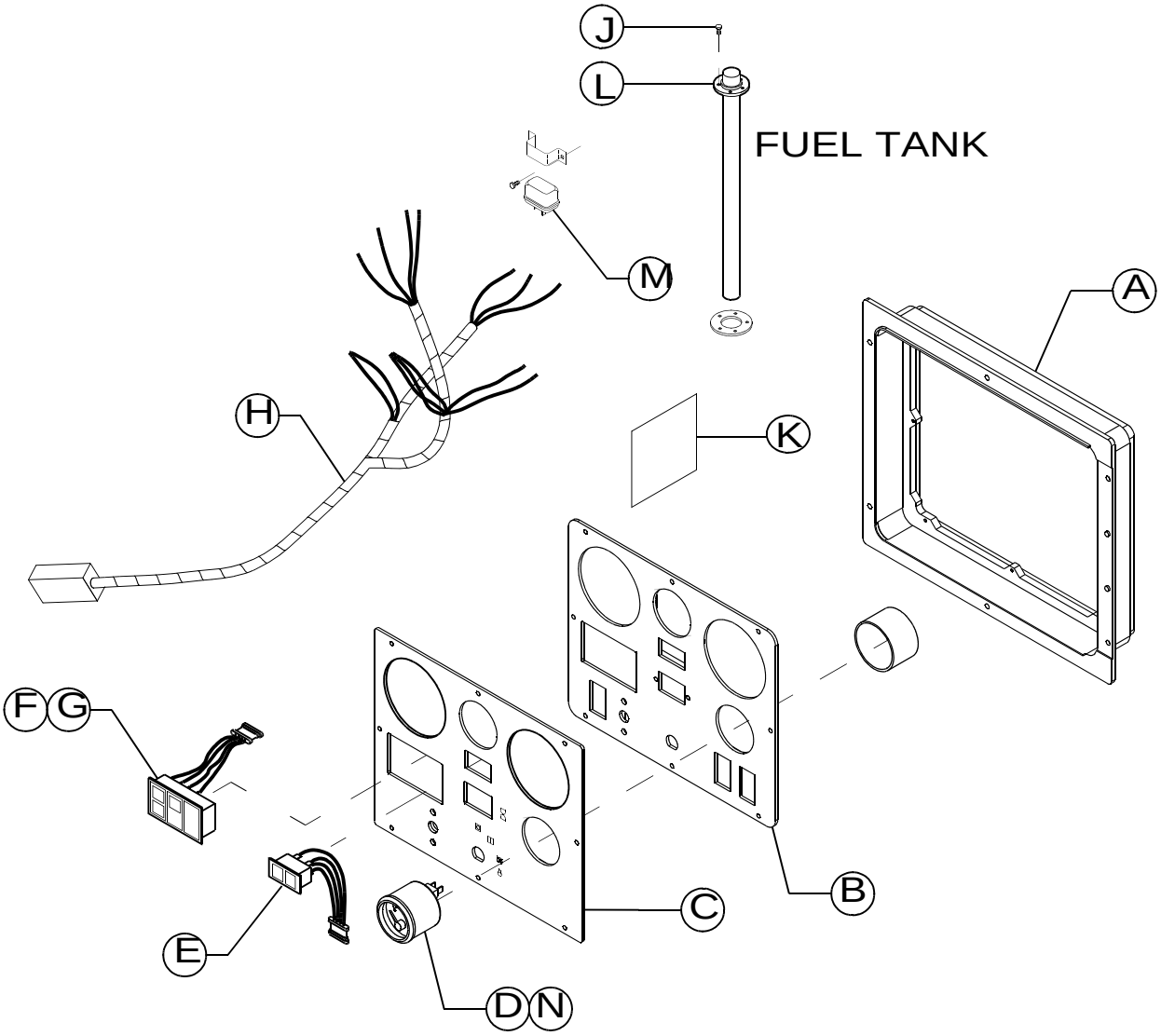
FULL DIAGNOSTICS INSTRUMENT PANEL w/ ELECTRIC AFRI



OPTION_04/08_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	22773337	Gauge, Fuel	1	
E	54774112	Module, 2 Light Warning	1	
F	22347009	Module, 4 Light Diagnostic	1	
G	22347017	Lights, Diagnostic	1	
H	22219729	Harness, Option Wiring	1	
J	36842839	Harness, Air Filter Restriction	1	
K	22361828	Decal, Option Wiring	1	
L	22058531	Sender, Fuel Level	1	
M	54368048	Relay	1	
N	95956199	Elbow, Street 1/8” NPT X 45°	2	
P	36847838	Switch, Vacuum	2	
Q	22137418	Bulb	AR	
R	22752992	Screw, Hex Sheetmetal #10 X 1/2”	5	

FULL DIAGNOSTICS INSTRUMENT PANEL without AFRI



OPTION_04/08_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	22773337	Gauge, Fuel	1	
E	54774112	Module, 2 Light Warning	1	
F	22055891	Module, 3 Light Diagnostic	1	
G	22347017	Lights, Diagnostic	1	
H	22219729	Harness, Option Wiring	1	
J	22752992	Screw, Hex Sheetmetal #10 X 1/2”	5	
K	22361828	Decal, Option Wiring	1	
L	22058531	Sender, Fuel Level	1	
M	54368048	Relay	1	
N	22137418	Bulb, 12V	AR	

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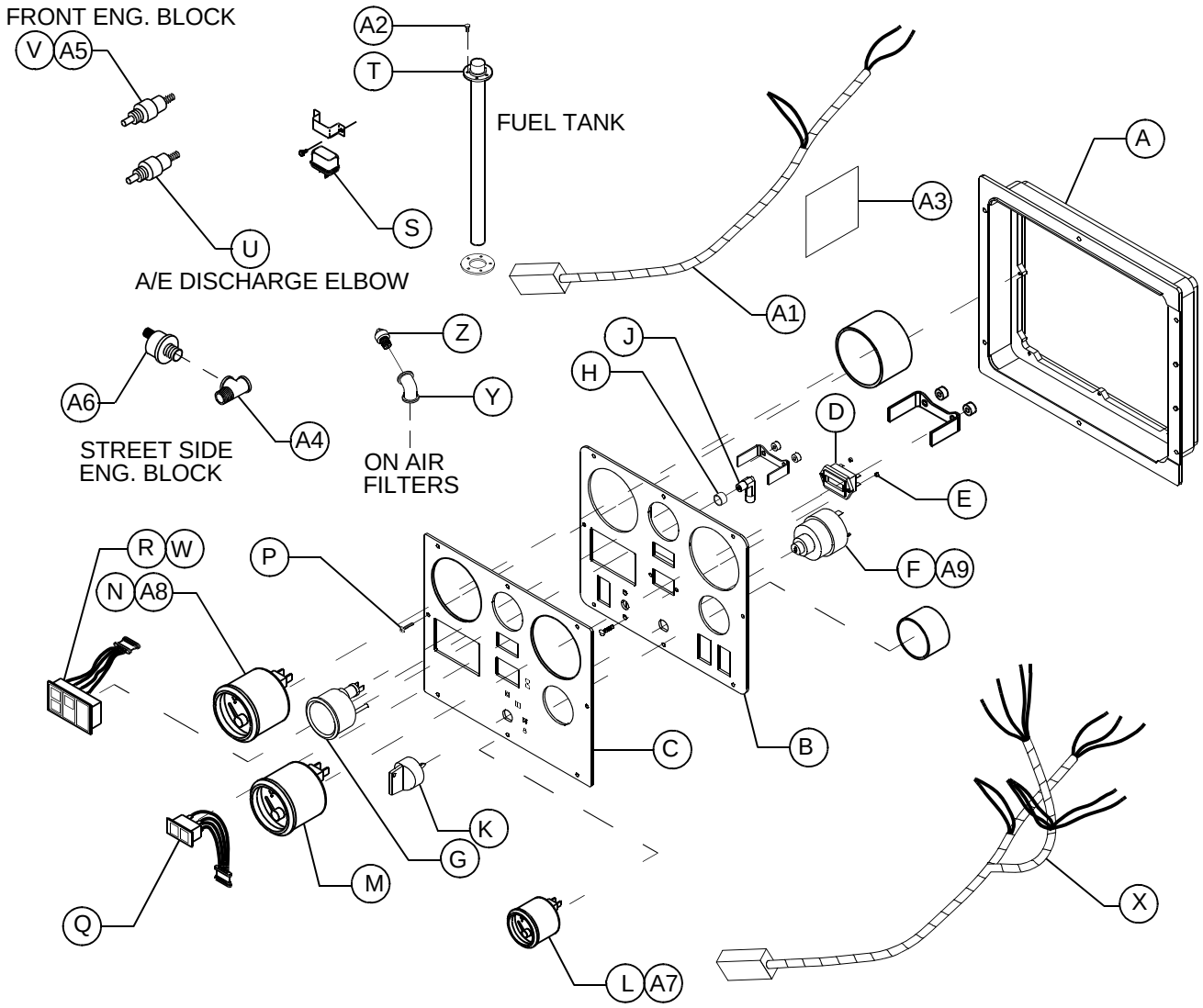
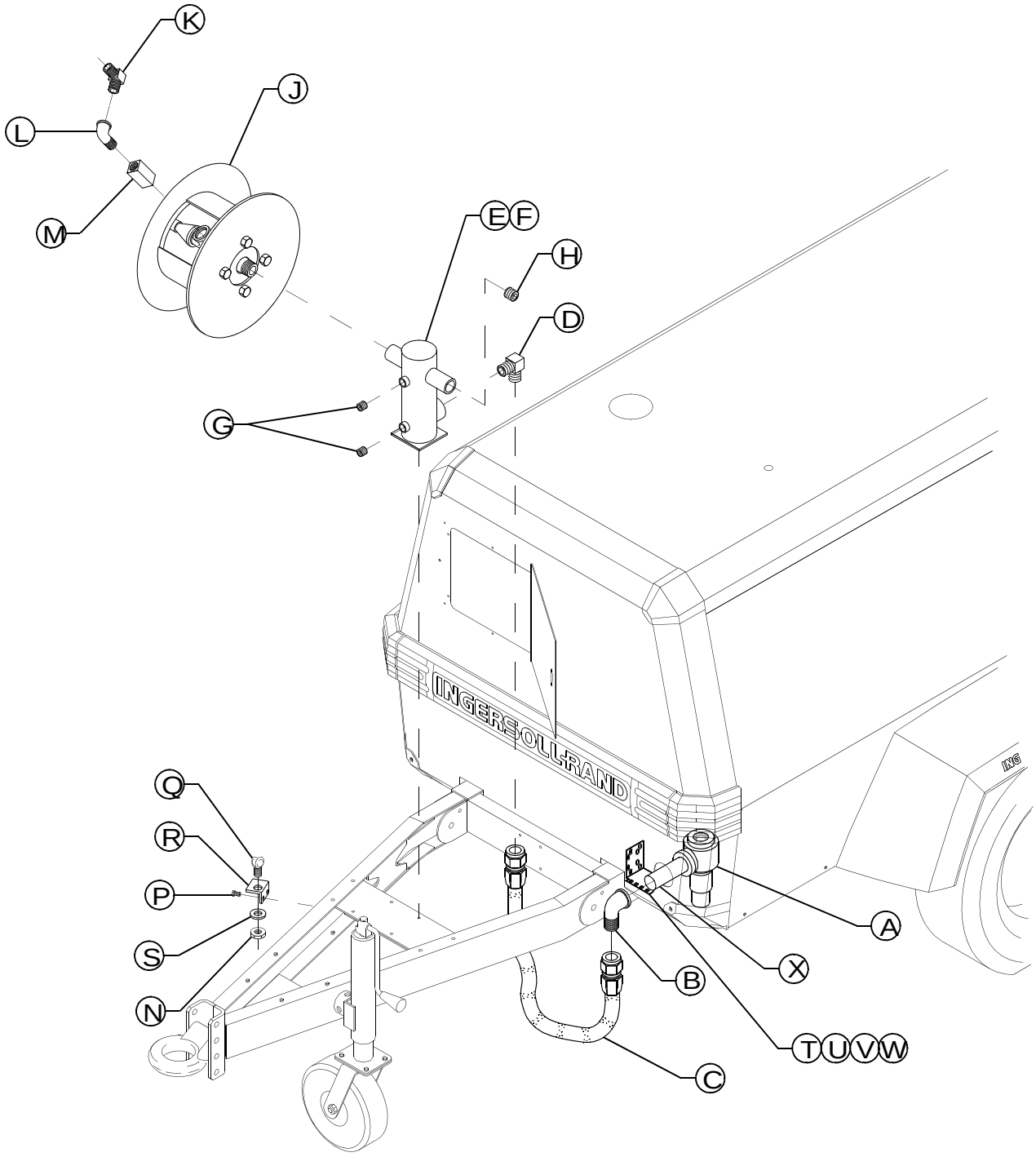
FULL GAUGE INSTRUMENT PANEL wo/ START-RUN VALVE



OPTION_04/08_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	22054175	Hourmeter, Elect/Mech	1	
E	22054159	Nut, Plastic #4-40	2	
F	22127385	Switch, Ignition	1	
G	35604065	Gauge, 150 PSI Pressure	1	
H	95935599	Coupling, Straight 1/8” NPT X .75”	1	
J	35370386	Elbow, 90° X 1/8” NPT X 3/8” Tube	1	
K	22134118	Knob Assembly	1	
L	22773337	Gauge, Fuel	1	
M	22058291	Gauge, 4 in 1	1	
N	22055883	Gauge, Tachometer	1	
P	22070494	Screw ,Plastic Tapping	8	
Q	54774112	Module, 2 Light Warning	1	
R	22347009	Module, 4 Light Diagnostic	1	
S	54368048	Relay	1	
T	22058531	Sender, Fuel Level	1	
U	22975403	Sender, Discharge Temperature	1	
V	35367218	Sender, Engine Temperature	2	
W	22347017	Lights, Diagnostic	1	
X	22219729	Harness, Option Wiring	1	
Y	95956199	Elbow, Street 1/8” NPT X 45°	1	
Z	36847838	Switch, Vacuum	1	
A1	36842839	Harness, Air Filter Restriction	1	
A2	22752992	Screw, Hex Sheetmetal #10 X 1/2”	5	
A3	22361828	Decal, Option Wiring	1	
A4	39127287	Tee, 1/8” Street	1	
A5	35327535	Tab, Male Spade	8	
A6	36870608	Sender, Oil Pressure	1	
A7	22137418	Bulb, 12V	AR	
A8	22137426	Lamp, 28V	AR	
A9	22199079	Adapter, Switch	1	

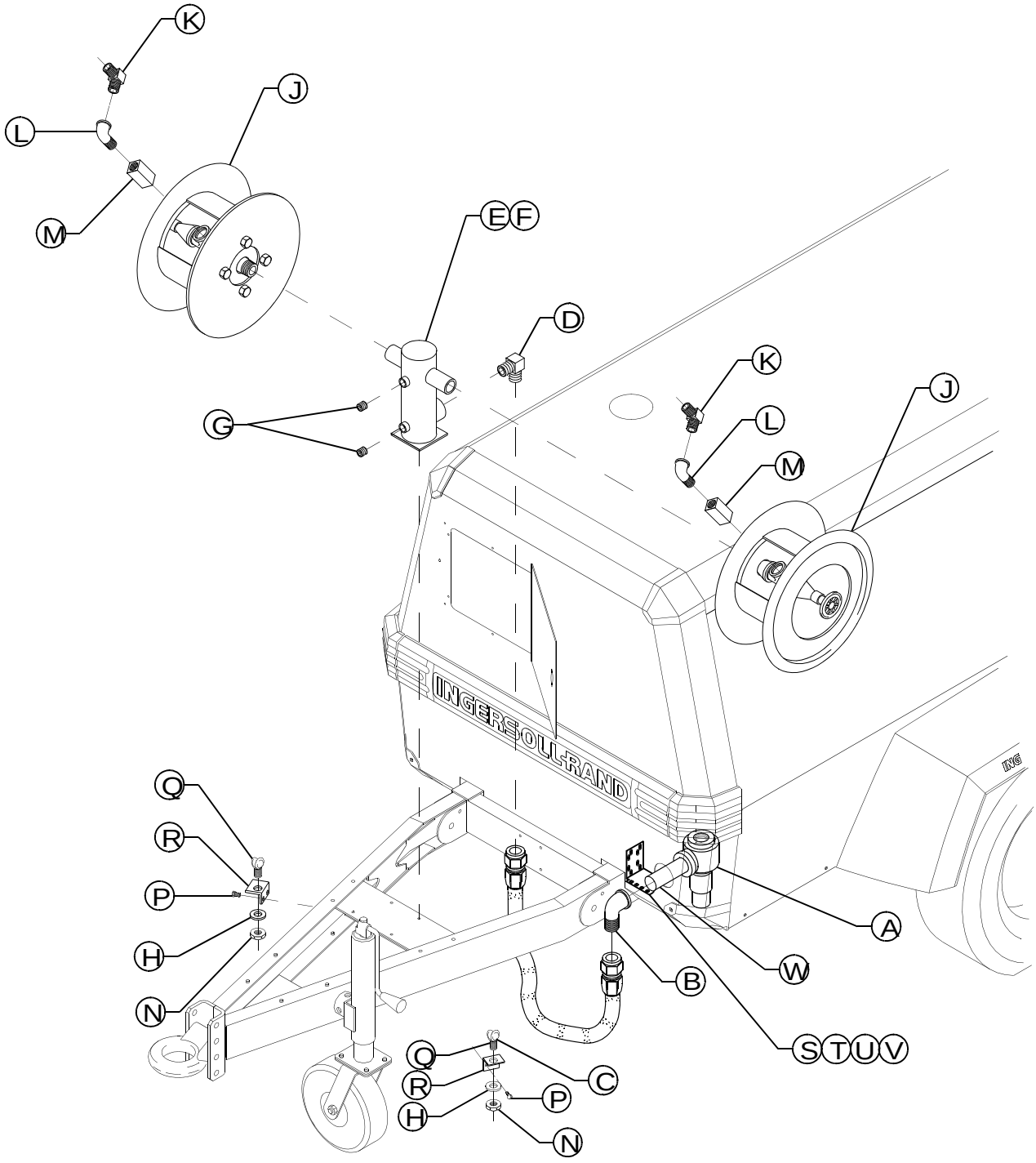
SINGLE HOSE REEL



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36776219	Valve, Minimum Pressure Check	1	
B	95286530	Elbow, 90° 1.25” NPTF X -26 JIC	1	
C	35117480	Hose	1	
D	95219861	Elbow, 90° 1.25” NPT X -26 JIC	1	
E	36755460	Manifold, Hose Reel	1	
F	96702659	Screw, Hex M08-1.25 X 25	4	
G	95947149	Plug, Hex Countersink 3/4”	2	
H	95928248	Plug, Hex Countersink 1-1/4”	1	
J	35097914	Reel Assembly, Hose	1	
K	95928198	Elbow, 45° Street 3/4” NPT	1	
L	95928172	Elbow, 90° Street 3/4” NPT	1	
M	35364389	Valve, OSHA Check	1	
N	35153972	Cap, Hose Lock	2	
P	92368687	Screw, Tapping M06-1.0 X 14	1	
Q	35221910	Lock, Coupling Hose	1	
R	35296748	Bracket, Hose Reel Lock	1	
S	95928321	Washer, Flat 7/8”	2	
T	36889996	Bracket, Service Pipe	1	
U	35279025	Screw, Tapping M08-1.25 X 20	2	
V	36785277	Clamp, Saddle	2	
W	95923314	Nut, Hex Lock M08-1.25	4	
X	95953758	Nipple, Long 1.25” X 4.50”	1	

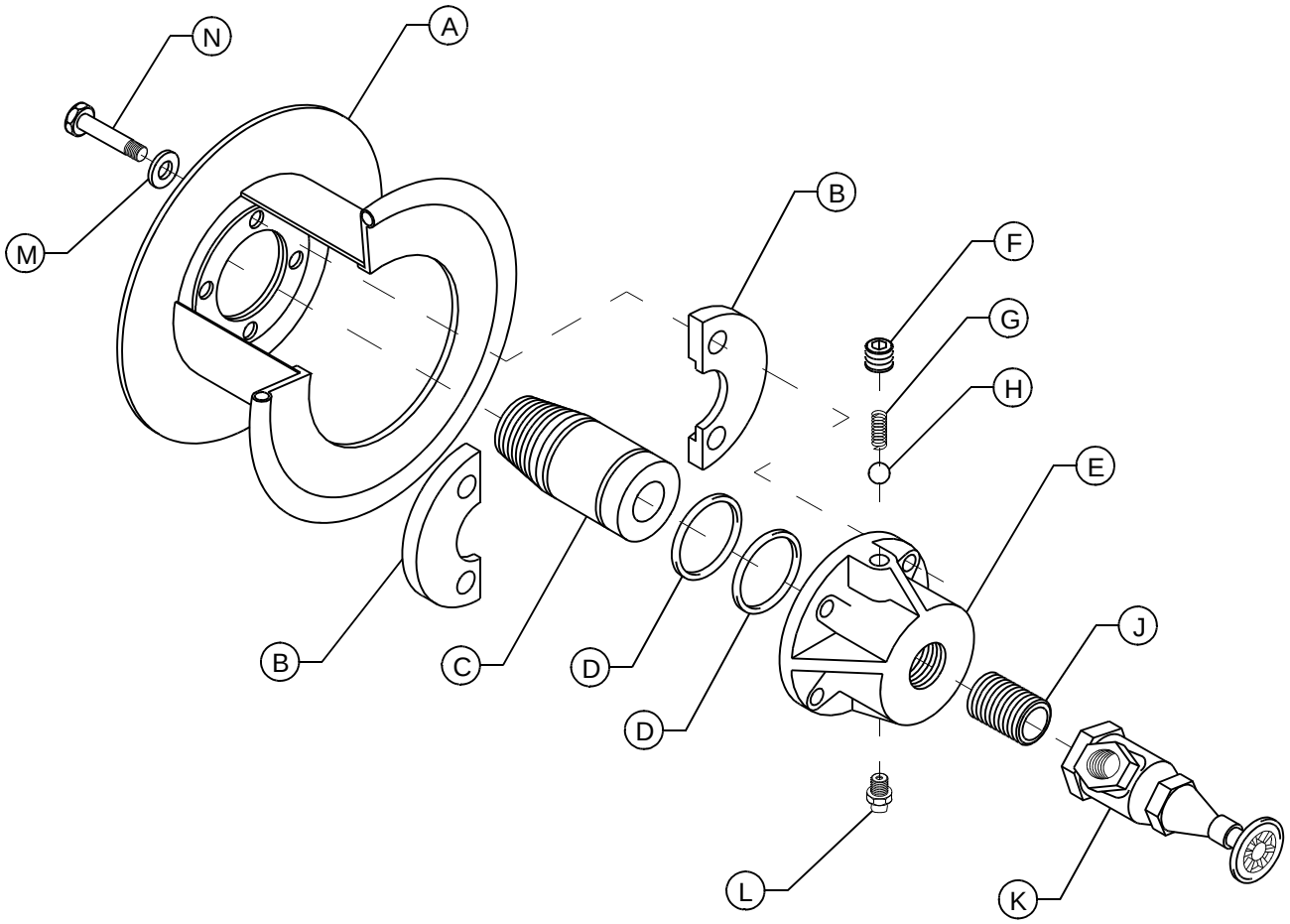
DOUBLE HOSE REEL



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36776219	Valve, Minimum Pressure Check	1	
B	95286530	Elbow, 90° 1.25” NPTF X -26 JIC	1	
C	35117480	Hose	1	
D	95219861	Elbow, 90° 1.25” NPT X -26 JIC	1	
E	36755460	Manifold, Hose Reel	1	
F	96702659	Screw, Hex M08-1.25 X 25	4	
G	95947149	Plug, Hex Countersink 3/4”	2	
H	95928321	Washer, Flat 7/8”	4	
J	35097914	Reel Assembly, Hose	2	
K	95928198	Elbow, 45° Street 3/4” NPT	2	
L	95928172	Elbow, 90° Street 3/4” NPT	2	
M	35364389	Valve, OSHA Check	2	
N	35153972	Cap, Hose Lock	4	
P	92368687	Screw, Tapping M06-1.0 X 14	2	
Q	35221910	Lock, Coupling Hose	2	
R	35296748	Bracket, Hose Reel Lock	2	
S	36889996	Bracket, Service Pipe	1	
T	35279025	Screw, Tapping M08-1.25 X 20	2	
U	36785277	Clamp, Saddle	2	
V	95923314	Nut, Hex Lock M08-1.25	4	
W	95953758	Nipple, Long 1.25” X 4.50”	1	

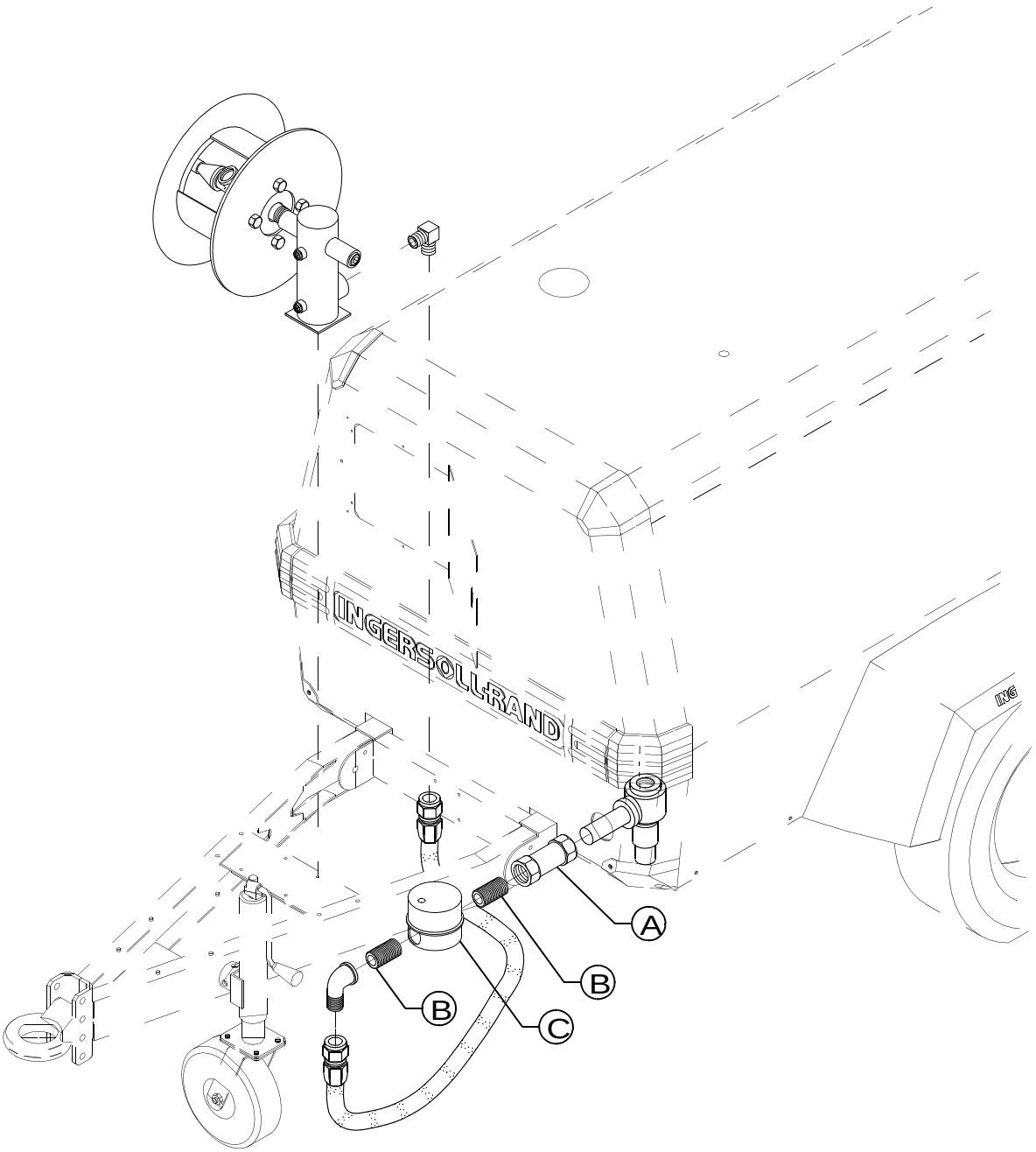
HOSE REEL ASSEMBLY



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	22600944	Hose Reel	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	90671242	Spring	1	
H	35221902	Ball, Retard	1	
J	95928040	Nipple	1	
K	95072971	Vavlve, Globe	1	
L	35221894	Fitting, 1/8” Lube	1	
M	95937413	Washer, 3/8” Lock	4	
N	95934584	Screw, Hex 3/8”-16 X 1.50”	4	

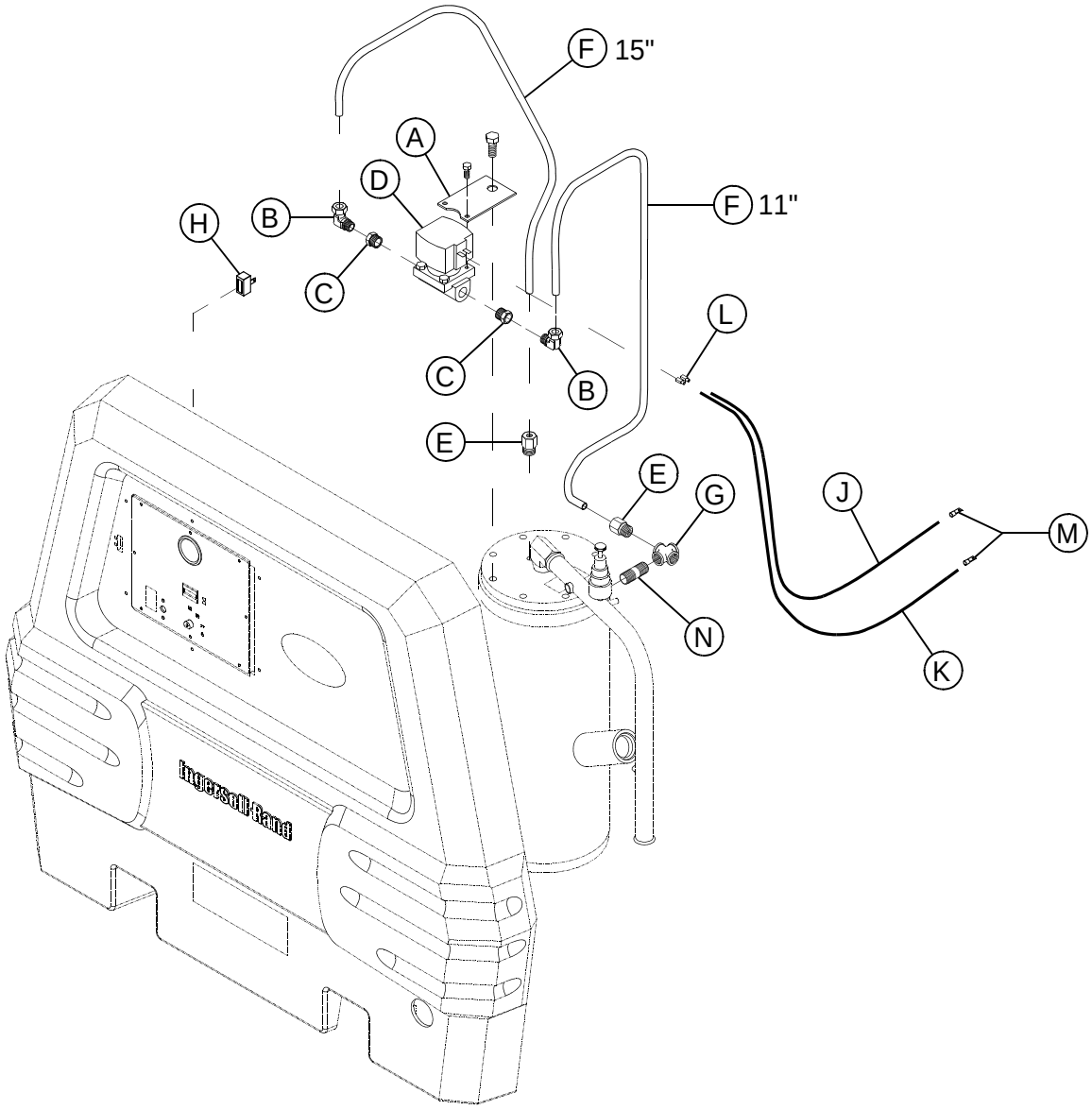
HOSE REEL OILER



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	95941373	Union, 1-1/4” NPT	1	
B	95953600	Nipple, 1-1/4” X 2”	2	
C	35255025	Lubricator, 1 qt.	1	
	35356252	Lubricator, 2 qt.	1	

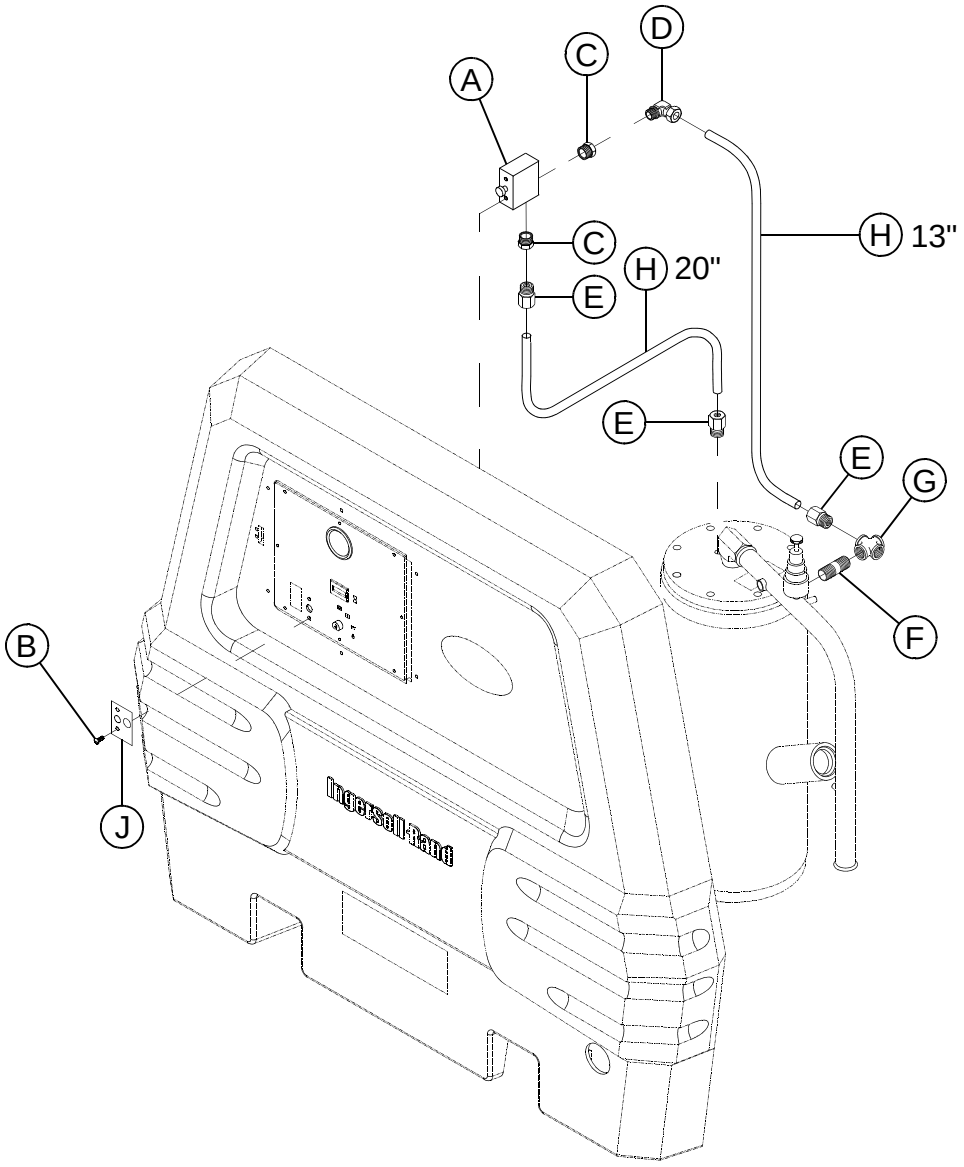
ELECTRIC START-RUN VALVE



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36892669	Bracket, Solenoid Valve	1	
B	35369354	Elbow, 90° X 1/4” NPT X 3/8” Tube	1	
C	95940748	Bushing, Reducing 3/8” NPT X 1/4” NPT	2	
D	36843142	Valve, Solenoid 12V	1	
E	35369347	Connector, Tube 1/4” NPT X 3/8” Tube	2	
F	35356484	Tubing, 3/8” Synflex	*	See Lengths Above
G	95954293	Cross, 1/4” NPT	1	
H	22054092	Switch, SPDT Rocker	1	
J	35307685	Wire, 14 AWG Brown	16”	
K	35360916	Wire, 14 AWG Orange	16”	
L	36844520	Connector, 1/4 Female	2	
M	35306141	Connector, 1/4 Male	2	
N	95667341	Nipple, 1/4” NPT X .88”	1	

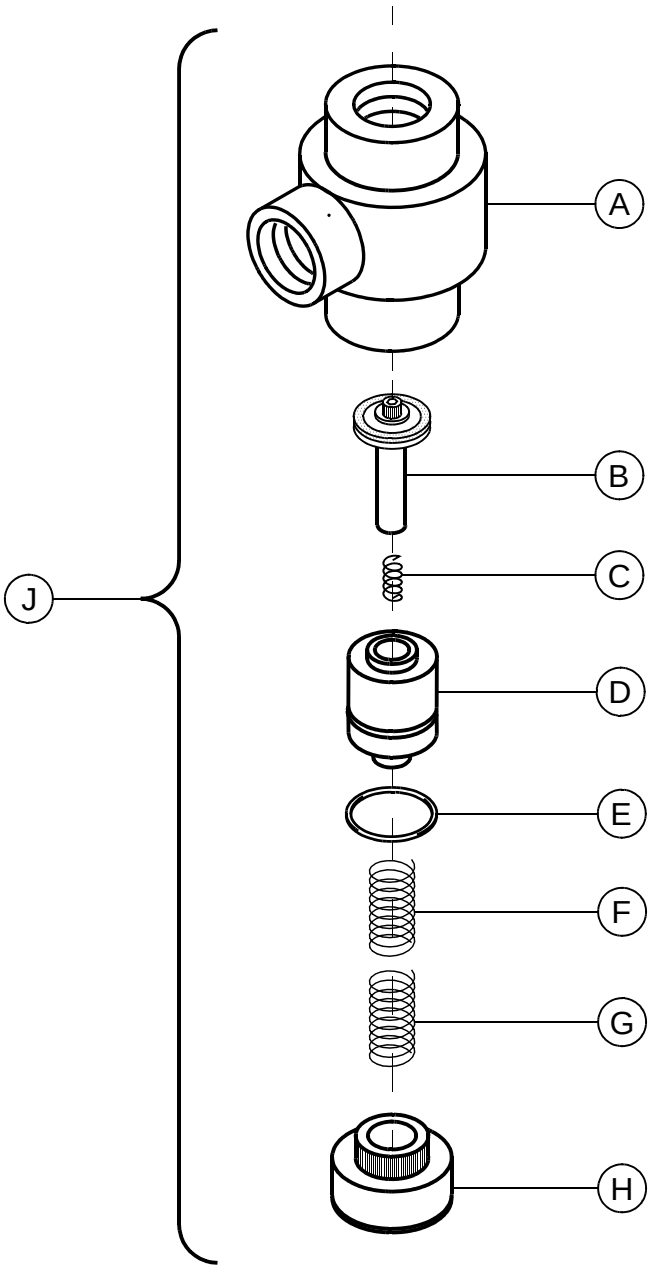
MANUAL START-RUN VALVE



OPTION_04/08_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	36783439	Valve, 2-Way Start-Run	1	
B	22090898	Screw, Pan Head M06-1.0 X 16	2	
C	35302314	Adapter, 9/16” X 1/4” NPT	2	
D	35369354	Elbow, 90° X 1/4” NPT X 3/8” Tube	1	
E	35369347	Connector, Tube 1/4” NPT X 3/8” Tube	3	
F	95667341	Nipple, 1/4” NPT X .88”	1	
G	95954293	Cross, 1/4” NPT	1	
H	35356484	Tubing, 3/8” Synflex	*	See Lengths Above
J	54774146	Decal, Push After Warmup	1	

VALVE, MINIMUM PRESSURE



OPTION_04/08_A

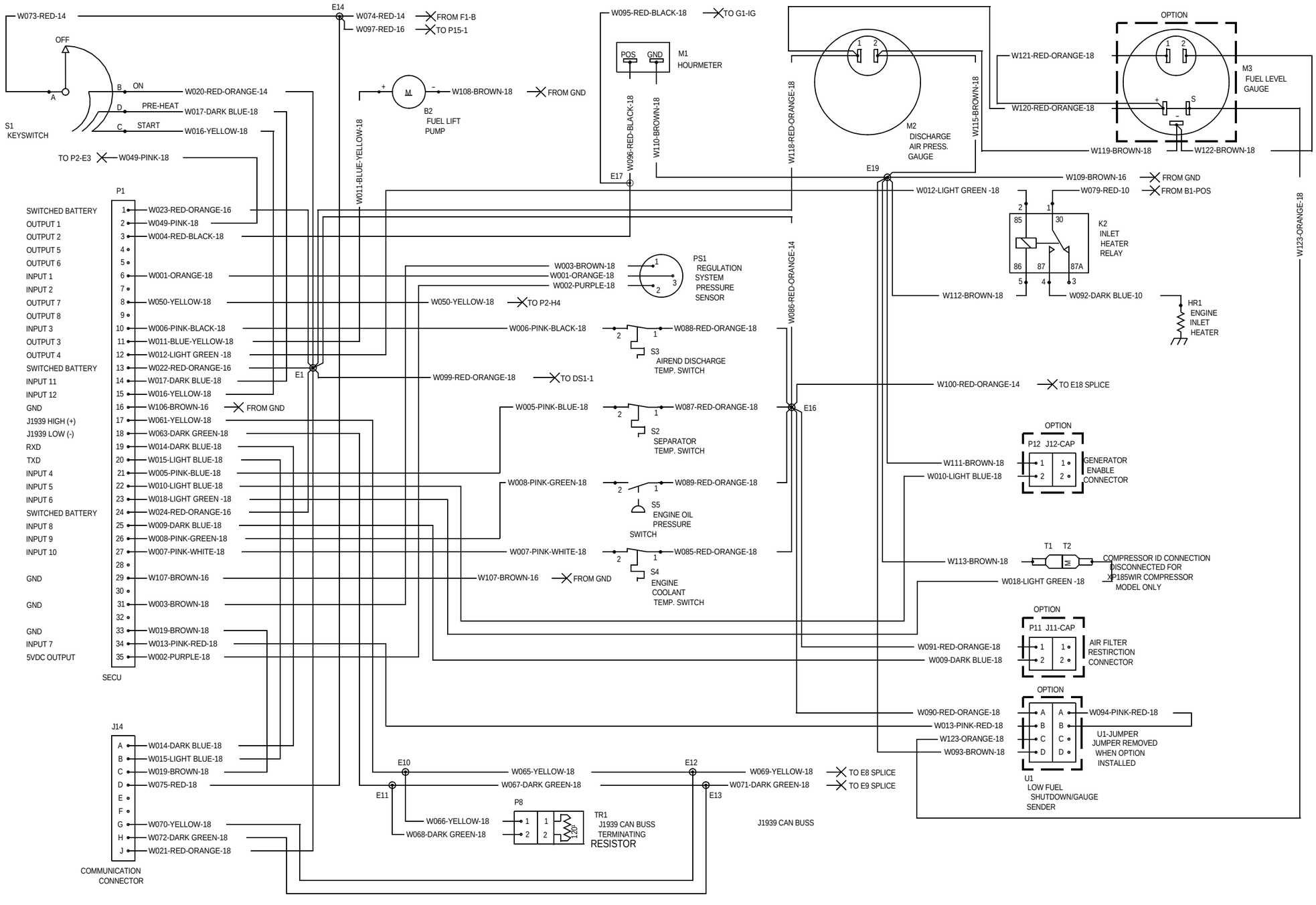
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
A	35382621	Body, Minimum Pressure Valve	1	
B	35382639	CV Assembly	1	
C	35382662	Spring	1	
D	35382647	Piston	1	
E	35382654	O-Ring	1	
F	35382670	Spring	1	
G	35389055	Spring	1	
H	35382688	Cap	1	
J	36776219	Valve Assembly, Minimum Pressure	1	

MISCELLANEOUS OPTIONS

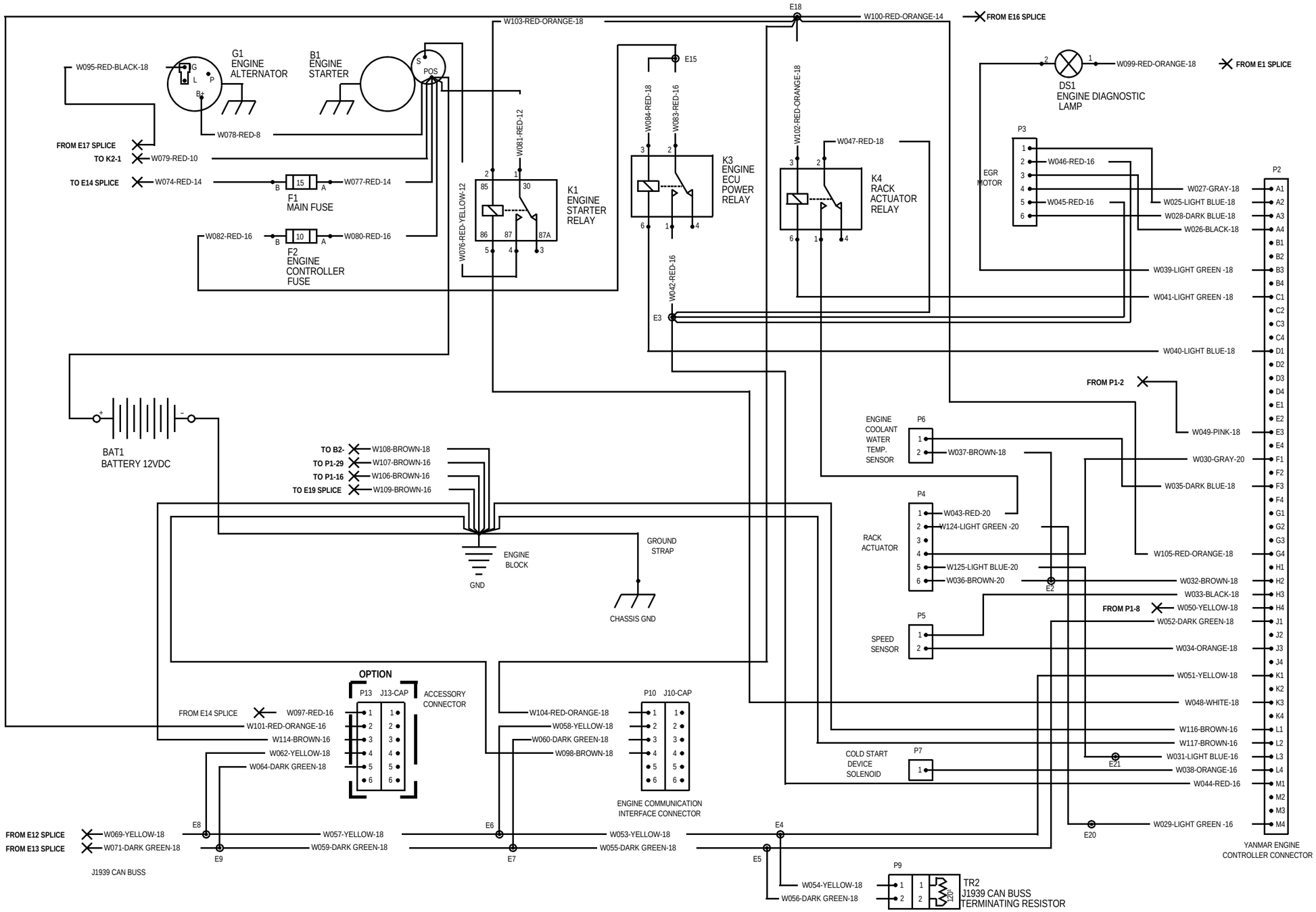
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
		DOOR KEY LOCK OPTION		
	36794345	Key Lock Cylinder		
	35612746	Key		Replacement
		2” BALL COUPLER OPTION		
	36509073	Coupler Assembly, 2” Ball		
	35131499	Lip		
	35131481	Spring		
	35131457	Nut, Loop Handle		
	35131465	Bolt		
	35376094	Screw, Hex M16 -2.0 X 120		
	96701750	Nut, Hex M16-2.0		
		MECHANICAL AIR FILTER RESTRICTION INDICATOR		
	35391976	Indicator, Restriction		
		FUEL TANK STRAINER		
	36891976	Strainer, Gauge Tank		
		LOCKABLE FUEL CAP		
	36883999	Bracket, Fuel Cap		
	95920682	Screw, Hex 3/8”-16 X 1.25”		
	95923322	Nut, Hex 3/8”-16		
	95935037	Washer, 3/8” Flat		
		SPARK ARRESTOR		
	36897296	Elbow, Exhaust		
	35610500	Arrestor, Spark		
		EXHAUST RAIN CAP		
	36897288	Elbow, Exhaust		
	35316215	Cap, RAIN		

Section E - WIRING SCHEMATICS

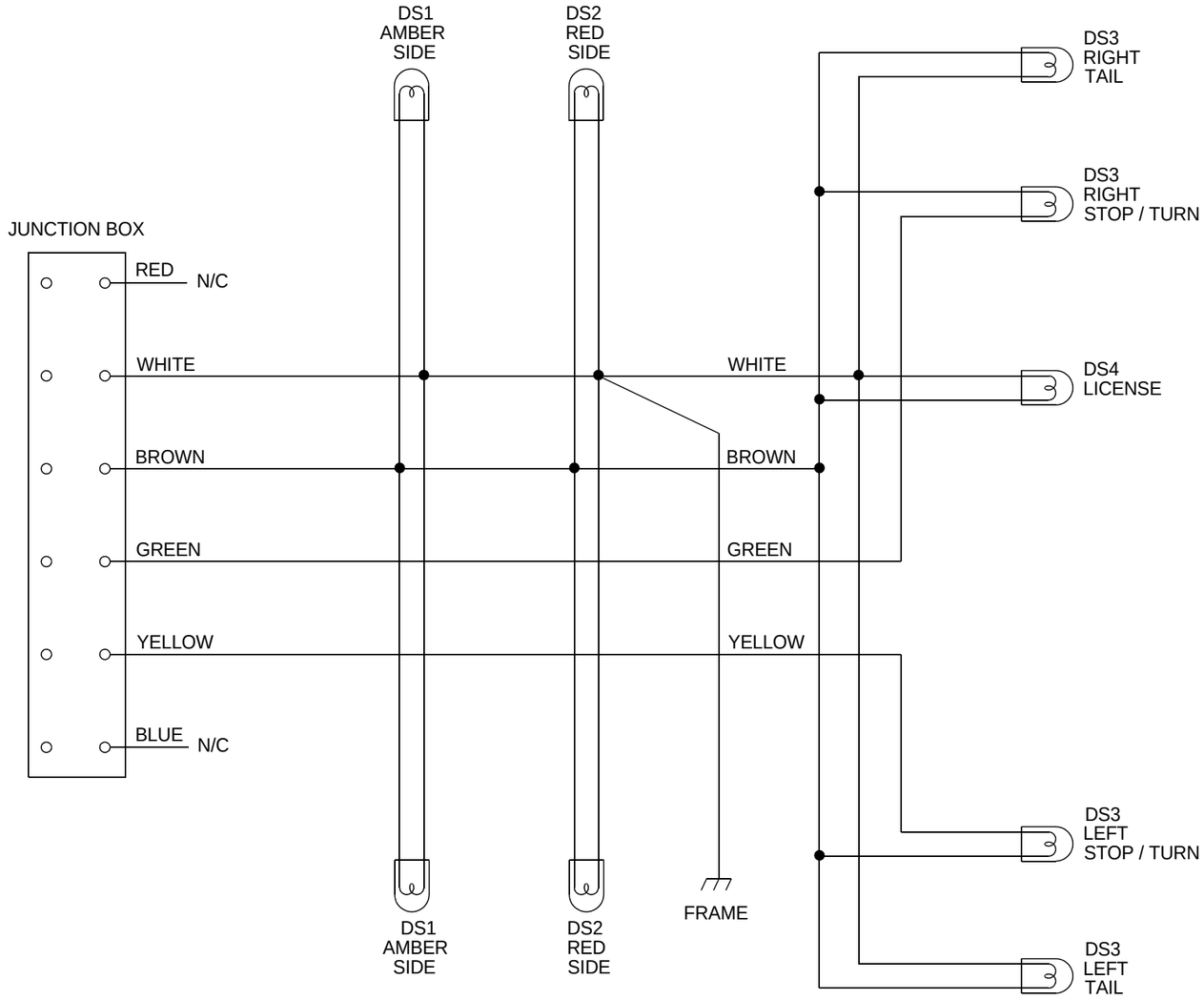
CHASSIS WIRING1



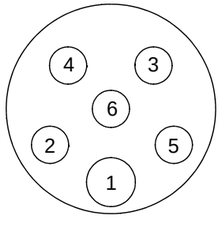
CHASSIS WIRING2



SIDE and 2 TAILLIGHT WIRING

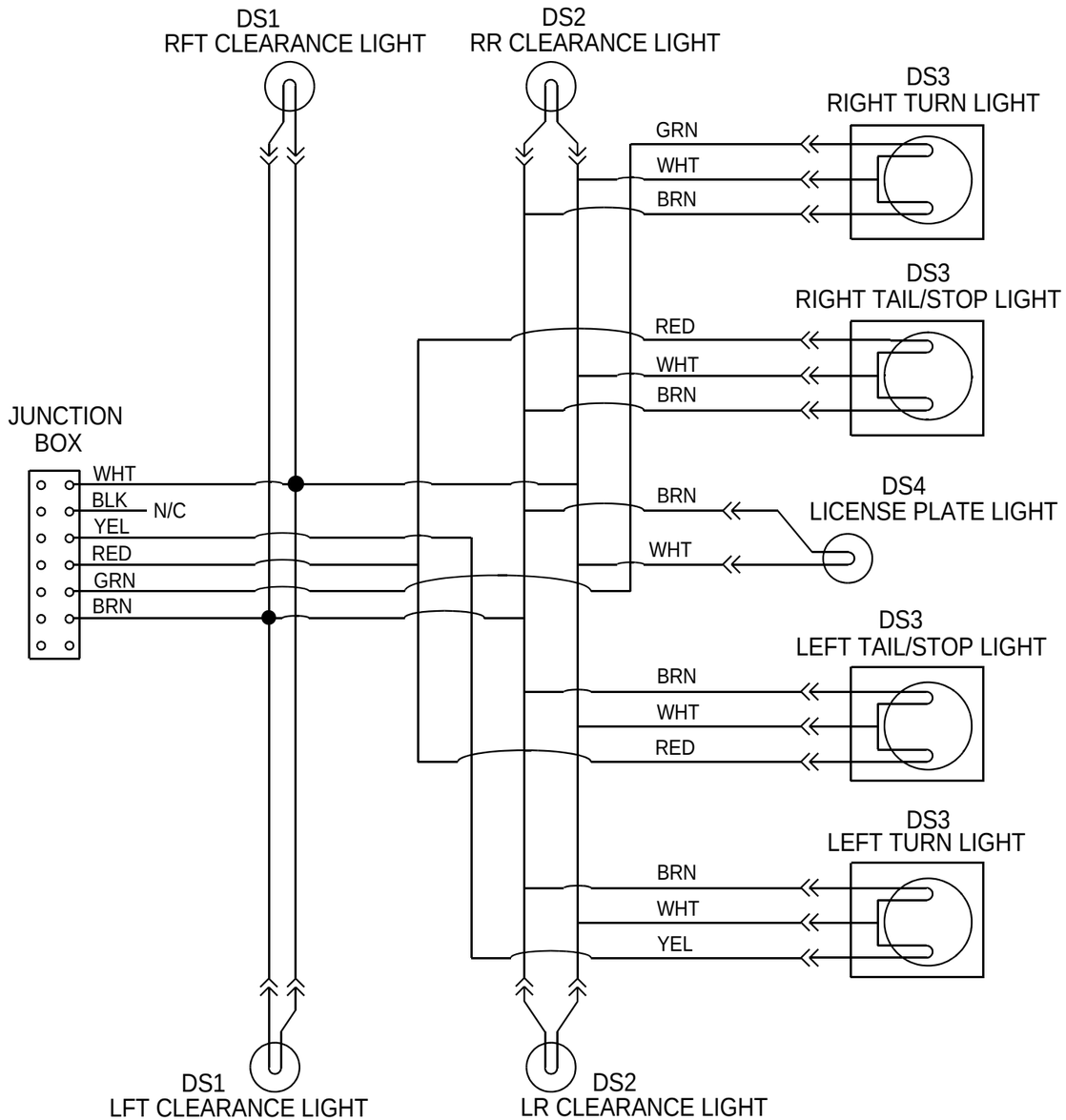


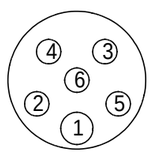
PLUG / SOCKET WIRING CONNECTIONS



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

SIDE and 4 TAILLIGHT WIRING





PLUG / SOCKET WIRING CONNECTIONS

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

NOTE:
WHITE WIRE MAY
BE FRAME GROUND.

ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION
		CHASSIS HARNESS						
B1	22225566	Starter						
B2	22226385	Pump, Fuel Lift						
BAT1	36844264	Battery, 12VDC						
DS1	36883825	Lamp, Engine Diagnostics						
F1	22071575	Fuse, 15A						
F2	22071591	Fuse, 10A						
G1	22255574	Alternator						
HR1	23286016	Heater, Inlet						
K1	36878361	Relay						
K2	36878361	Relay						
K3	23286610	Relay						
K4	23286610	Relay						
M1	22054175	Hourmeter						
M2	36891216	Gauge, Pressure (Discharge)						
M3	22773337	Gauge, Fuel Level (OPTION)						
PS1	36920825	Sensor, Pressure						
S1	22127328	Switch, Ignition						
S2	22823181	Switch, Temperature (Separator Tank)						
S3	35596436	Switch, Temperature (Airend)						
S4	15898059	Switch, Temperature (Water)						
S5	16538977	Switch, Pressure (Oil)						
TR1	NA	Resistor, Terminating						
TR2	NA	Resistor, Terminating						
U1	22058531	Sender, Low Fuel Shutdown						
W1	23215551	Harness, Chassis						
		2 and 4 LIGHT TRAILER HARNESS						
DS1	35367051	Light, Amber Clearance						
DS2	35367044	Light, Red Clearance						
DS3	36788081	Light, Stop / Tail						
DS4	54726468	Light, License						
W2	23050180	Harness, 2 Tail Light Trailer						
	36893345	Harness, 4 Tail Light Trailer						

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