

PARTS MANUAL



Doosan Infracore
Portable Power

P185WYM-T4I (D76)

COMPRESSOR MODEL

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TABLE OF CONTENTS

TITLE	PAGE
Section A - Parts Ordering	
 Section B - COMPRESSOR PARTS	
FRAME, LIFTING BAIL and BELLY PANS	B-2
DRAWBAR	B-4
RUNNING GEAR and FENDERS	B-6
AXLE STANDARD without BRAKES	B-8
TIRE and WHEEL	B-10
JACK ASSEMBLY	B-11
ENGINE MOUNT	B-12
AIREND and UNLOADER	B-14
AIREND PIPING	B-16
AIREND MOUNT	B-18
COOLERS	B-20
AIR INTAKE and RELAY MOUNTING	B-22
AIR CLEANER	B-24
SEPARATOR TANK	B-25
SEPARATOR FILTER	B-26
AIR and OIL PIPING CRBSD FRONT	B-28
AIR and OIL PIPING CRBSD REAR	B-30
AIR and OIL PIPING STSD	B-32
AIR and OIL PIPING TOP	B-34
SECU MOUNT	B-35
INSTRUMENT PANEL	B-36
FUEL TANK	B-38
TRAILER LIGHTS WIRING	B-40
BATTERY MOUNT	B-42
ENCLOSURE	B-44
DECAL LOCATION - EXTERIOR CRBSD LOGO	B-46
DECAL LOCATION - EXTERIOR STSD LOGO	B-47
DECAL LOCATION -- CRBSD	B-48
DECAL LOCATION -- STSD	B-50
 Section C - ENGINE PARTS	
GEAR CASE	C-2
FLYWHEEL HOUSING and OIL PAN	C-4
FLYWHEEL and CRANKSHAFT PULLEY	C-6
VALVE COVER	C-8
INTAKE MANIFOLD and HEATER	C-10
EXHAUST MANIFOLD, TURBO and MUFFLER	C-12
OIL FILTER and DIPSTICK	C-14
INJECTION PUMP and OIL LINES	C-16
FUEL INJECTION VALVE	C-18
FUEL FILTER	C-20
WATER PUMP and FAN DRIVE	C-22
ALTERNATOR and STARTER	C-24
GASKET SET	C-26

TABLE OF CONTENTS

TITLE	PAGE
Section D - OPTION PARTS	
STANDARD DRAWBAR with ADJUSTABLE HEIGHT	D-2
HEAVY DUTY FRAME	D-4
HEAVY DUTY DRAWBAR STANDARD HEIGHT	D-6
HEAVY DUTY EXTENDED DRAWBAR STANDARD HEIGHT	D-7
HEAVY DUTY EXTENDED DRAWBAR ADJUSTABLE HEIGHT	D-8
AXLE ELECTRIC BRAKE MOUNT	D-10
AXLE ELECTRIC BRAKE	D-12
ELECTRIC BRAKE SHOE	D-14
AXLE HYDRAULIC with BRAKES	D-16
AXLE HD HYDRAULIC BRAKE MOUNT	D-18
TIRE and WHEEL	D-20
6 LUG TIRE and WHEEL	D-21
SINGLE HOSE REEL	D-22
DOUBLE HOSE REEL	D-24
HOSE REEL ASSEMBLY	D-26
HOSE REEL OILER	D-27
VALVE, MINIMUM PRESSURE	D-28
 Section E - WIRING SCHEMATICS	
SYSTEM SCHEMATIC	E-2
CHASSIS HARNESS SCHEMATIC	E-3
TRAILER HARNESS SCHEMATIC 2 TAIL LIGHT	E-4
CHASSIS HARNESS SCHEMATIC with FULL GAUGE OPTION 1	E-5
CHASSIS HARNESS SCHEMATIC with FULL GAUGE OPTION 2	E-6
TRAILER HARNESS SCHEMATIC 2 TAIL LIGHT w/ ELECT. BRAKES (4 TAIL LIGHT)	E-7
ELECTRICAL PARTS LIST	E-8
 Section F - RECOMMENDED SERVICE PARTS	
RECOMMENDED SERVICE PARTS	F-2
RECOMMENDED SERVICE PARTS	F-3



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.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

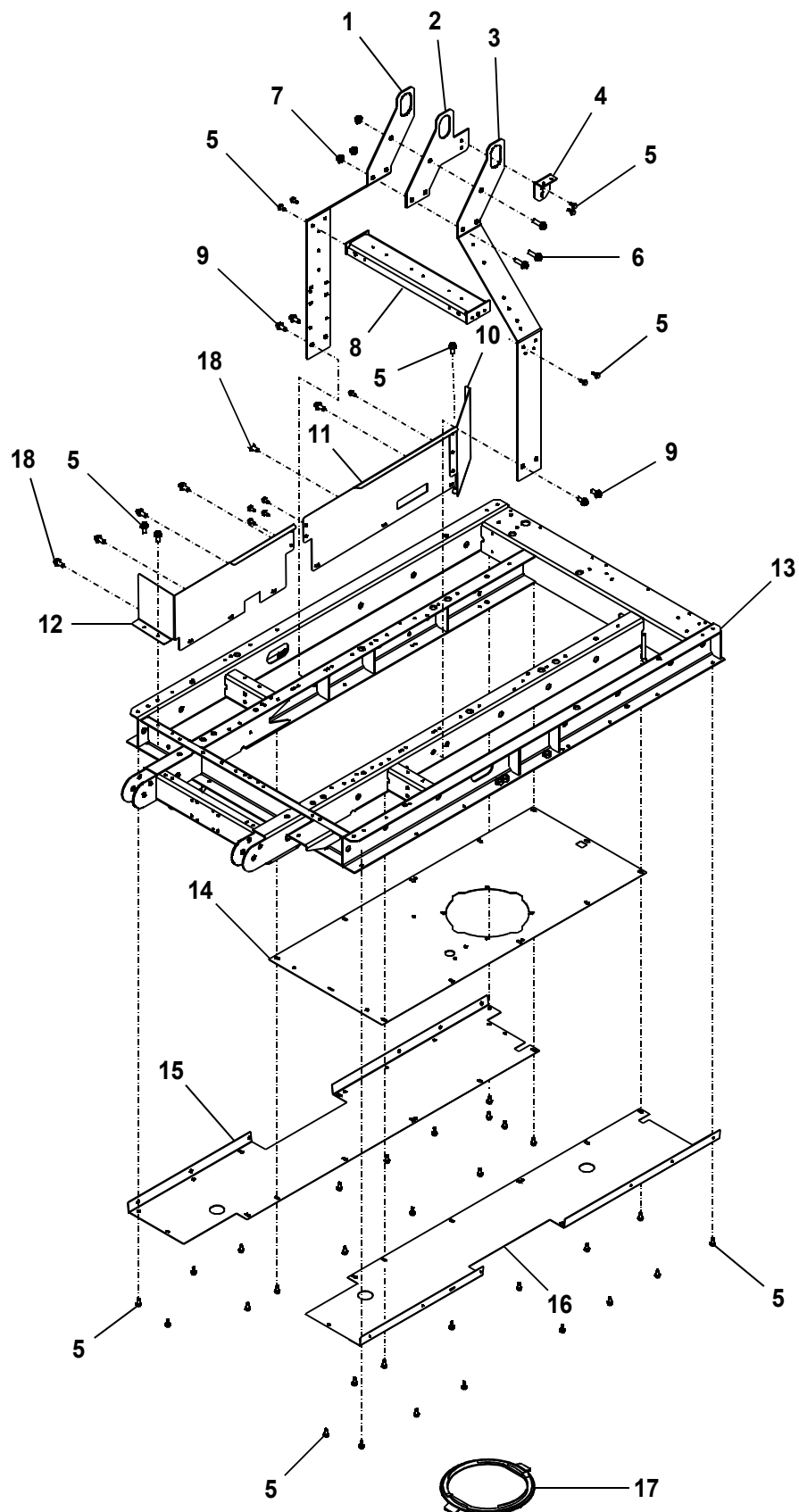
Always specify the model and serial number of the unit.

Specify the part number and description.



Section B - COMPRESSOR PARTS

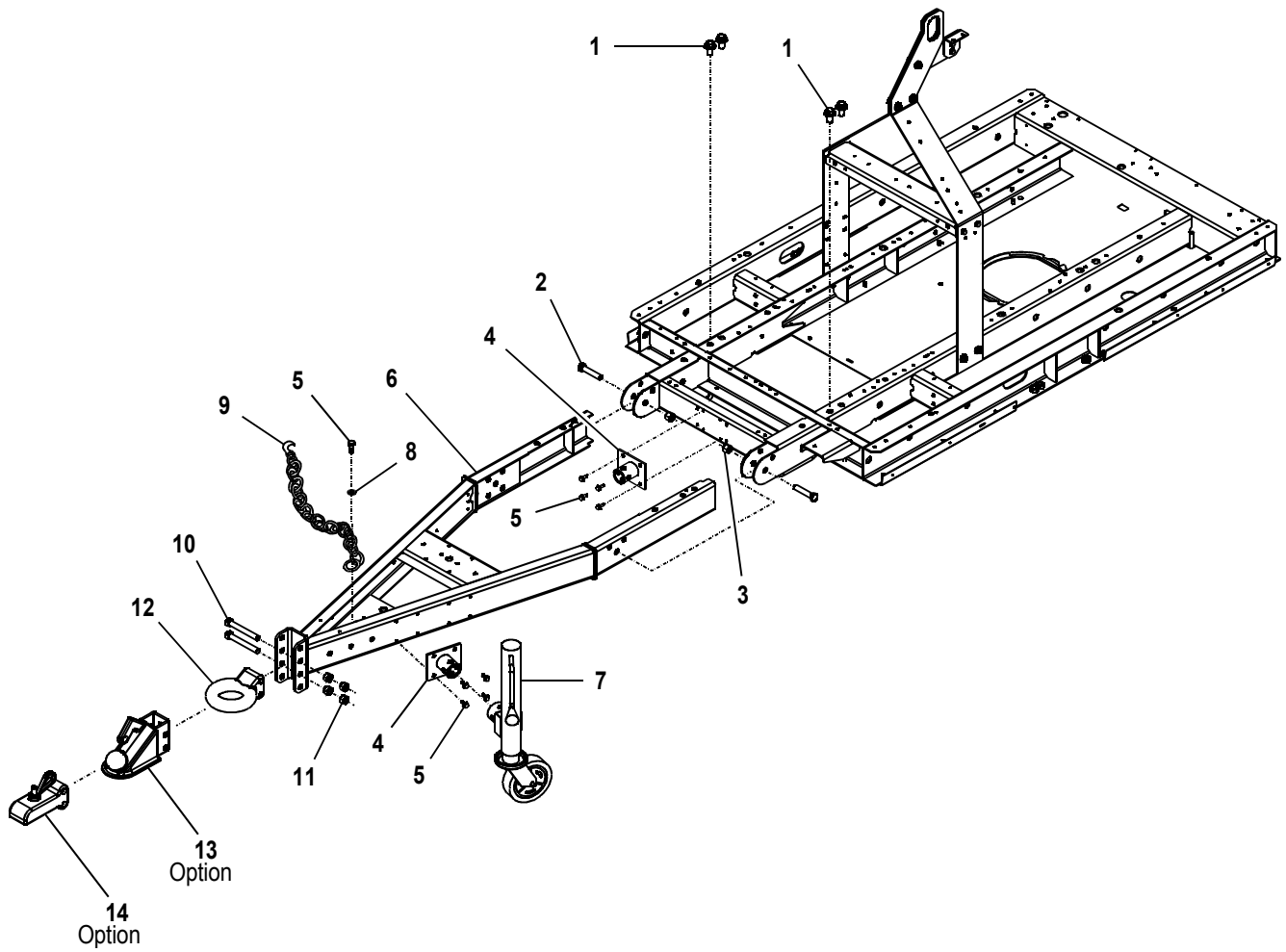
FRAME, LIFTING BAIL and BELLY PANS



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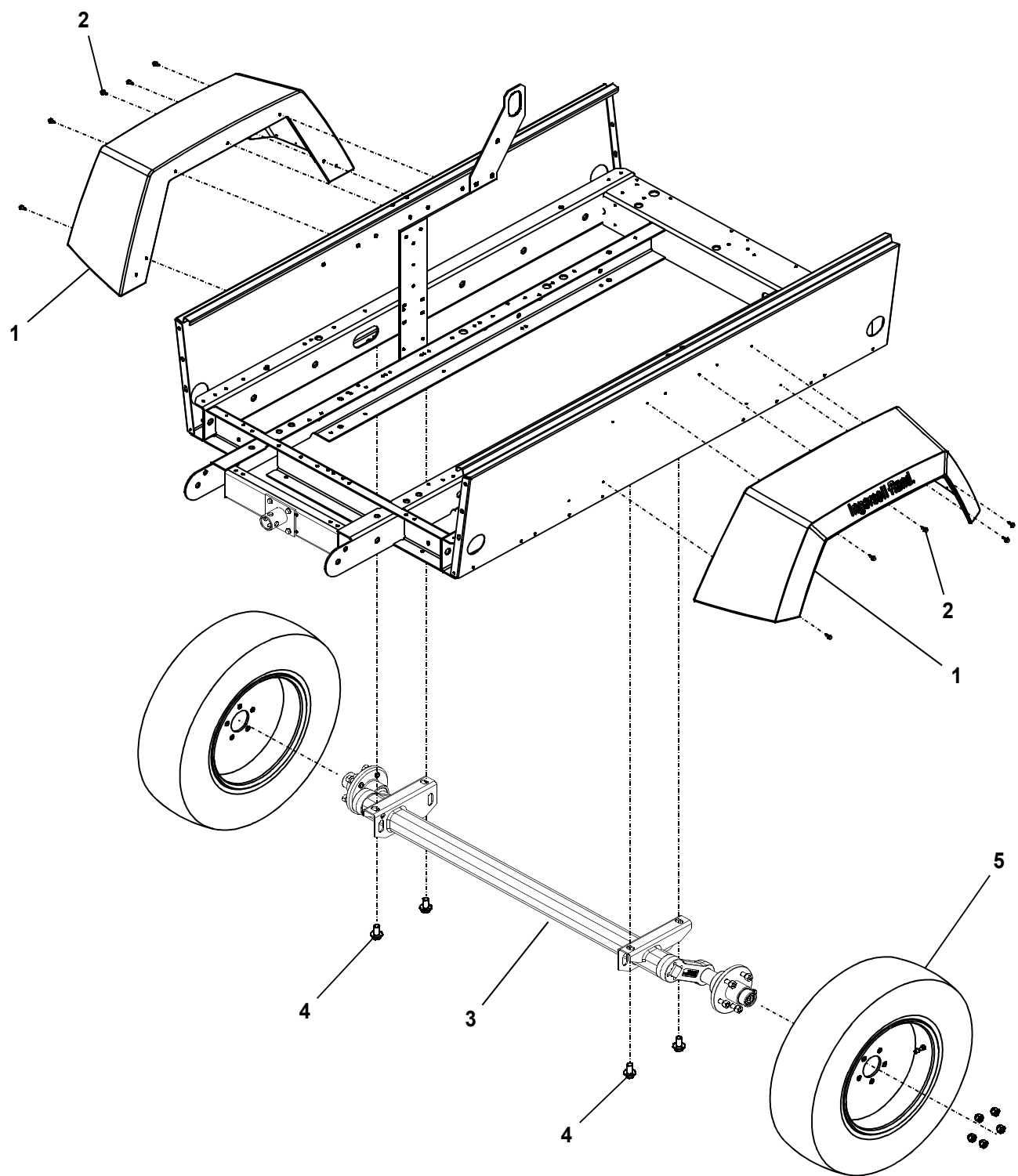
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23360662SB	Bail, CRBSD Lift	1	
2	36882165SB	Plate, Bail Eye	1	
3	36880896SB	Bail, STSD Lift	1	
4	36883510SB	Angle, Roof Tie	1	
5	35279025	Screw, Tapping M08-1.25 X 20	42	
6	36877793	Screw, Hex Flange M12-1.75 X 40	3	
7	36879203	Nut, Hex Flange M12-1.75	3	
8	36880904SB	Crossmember, Lift Bail	1	
9	36789492	Screw, Hex Flange M12-1.75 X 25	4	
10	46493391SB	Guard, Rear Toolbox	1	
11	46493383SB	Guard, Mid Toolbox	1	
12	46496212SB	Guard, Front Toolbox	1	
13	46493250SB	Frame	1	
14	46543583GB	Pan, Center Belly	1	
15	46498036GB	Pan, CRBSD Belly	1	
16	46543591GB	Pan, STSD Belly	1	
17	36880623	Cover, Engine Oil Drain	1	
18	36797652	Screw, Tapping M06-1.0 X 12	13	

DRAWBAR



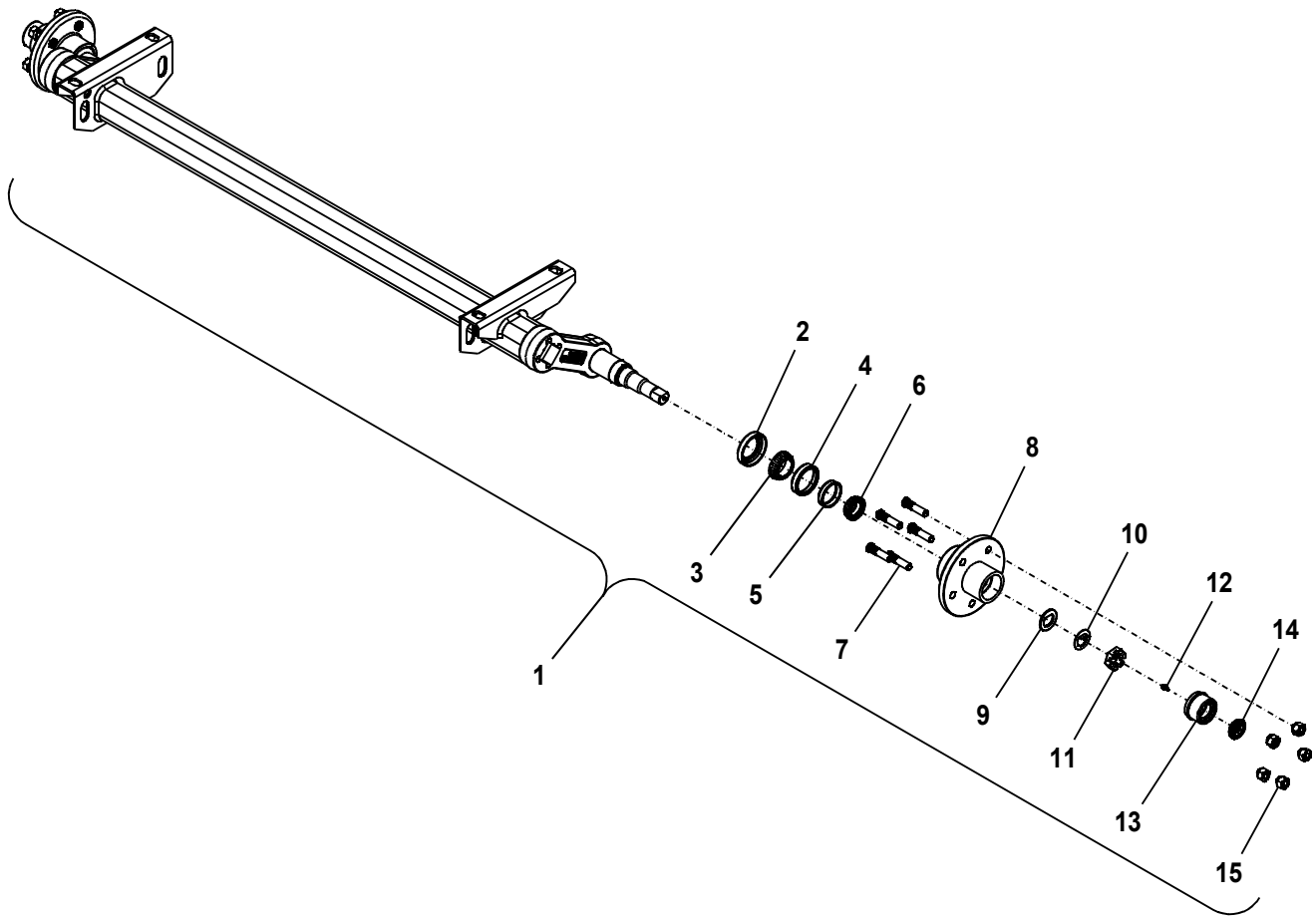
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36879492	Screw, Hex Flange M12-1.75 X 25	4	
2	35290113	Screw, Hex M16-2.0 X 75	2	
3	96704630	Nut, Hex Nyloc M16-2.0	2	
4	36796068	Tube, Jack Mounting	2	
5	35279025	Screw, Tapping M08-1.25 X 20	10	
6	36886364SB	Drawbar	1	
7	36888709	Jack Assembly	1	
8	95934907	Washer, Flat	2	
9	22144521	Chain & Hook Assembly	2	
10	35376094	Screw, Hex M16-2.0 X 120	2	
11	96701750	Nut, Hex M16-2.0	4	
12	35605187	Eye, Pintel	1	
13	35370469	Hltch, 2.31" Ball (OPTION)	1	
14	36509073	Hltch, 2.00" Ball (OPTION)	1	

RUNNING GEAR and FENDERS



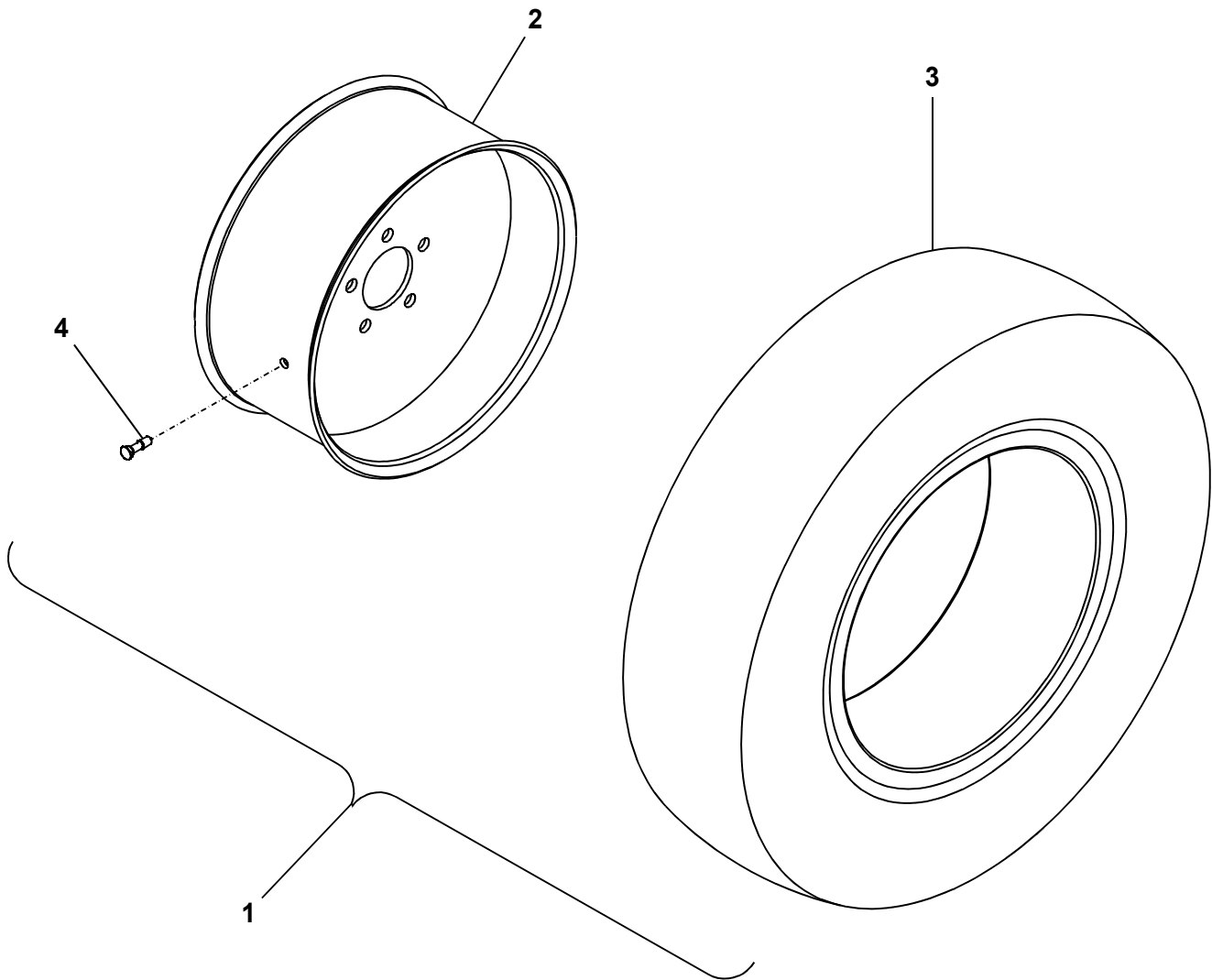
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36877579	Fender	2	
2	92368687	Screw, Tapping M06-1.0 X 14	10	
3	22469860	Axle, Standard without Brakes	1	
4	96747142	Screw, Hex Flange M16-2.0 X 30	4	
5	36073559	Tire and Wheel Assembly	2	

AXLE STANDARD without BRAKES



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22469860	Axle, Standard without Brakes	1	
2	35391101	Seal, Grease	2	
3	35361864	Cone, Inner Bearing	2	
4	35361872	Cup, Inner Bearing	2	
5	35315183	Cup, Outer Bearing	2	
6	35315191	Cone, Outer Bearing	2	
7	22464648	Stud, Wheel	10	
8	36848158	Hub with Studs and Cups	2	
9	22805436	Washer, Spindle	2	
10	22805444	Washer, Tang	2	
11	35315217	Nut, Spindle	2	
12	46543682	Fitting, Zerk	2	
13	35391127	Cap, EZ Lube Dust	2	
14	46543690	Plug, EZ Lube Dust	2	
15	35315274	Nut, Wheel	10	

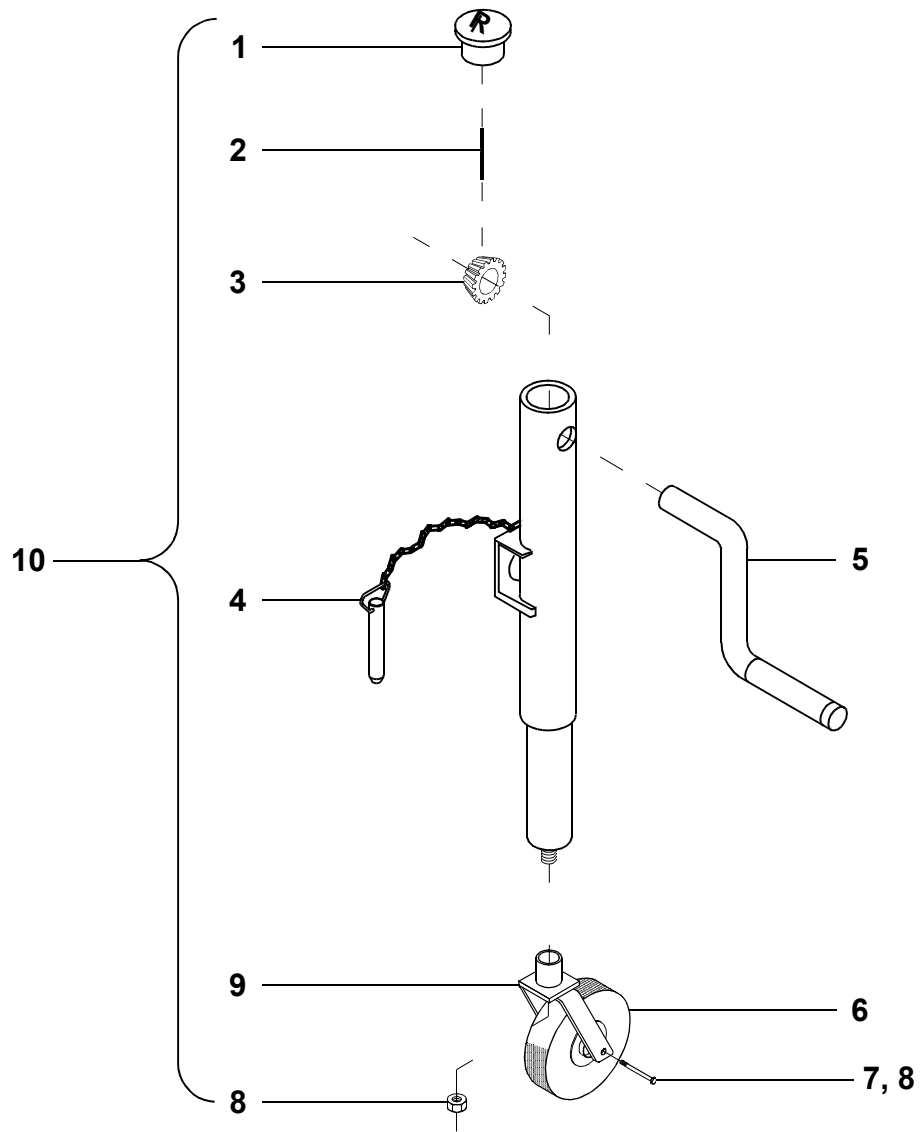
TIRE and WHEEL



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36073559	Tire and Wheel Assembly	1	
2	35277706	Wheel, 15 X 6	1	
3	22246276	Tire, ST205/75D15	1	
4	35282565	Stem, Valve	1	

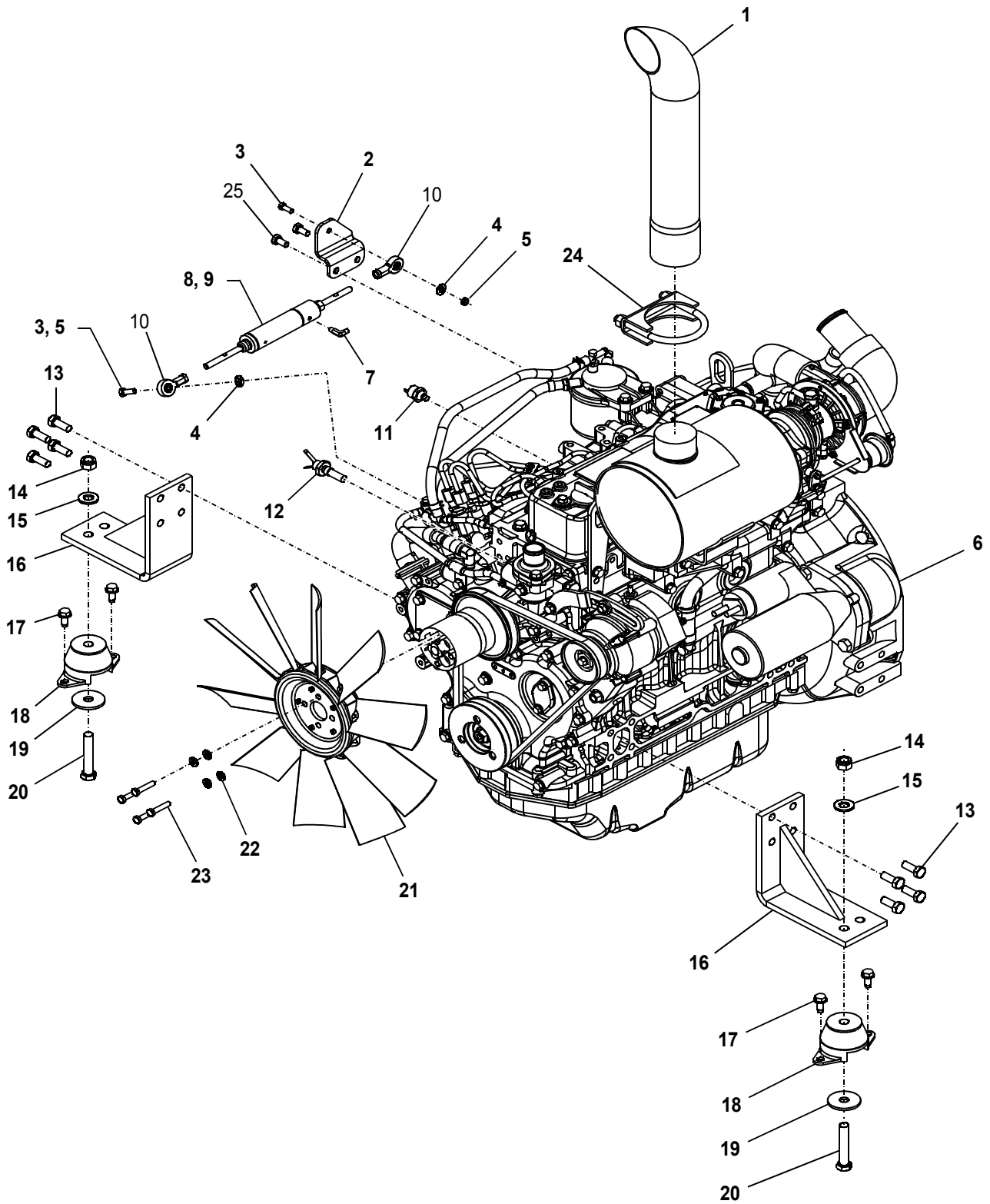
JACK ASSEMBLY



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35392521	Cap, Jack	1	
2	35392539	Pin, Roll	1	
3	35392547	Gear, Drive	1	
4	35392554	Plunger Pin Kit	1	
5	35392562	Handle Assembly	1	
6	35392588	Caster Wheel	1	
7	35392596	Bolt, Caster Wheel 1/2"-13 X 3.18"	1	
8	95923348	Nut, Hex Nyloc 1/2"-13	2	
9	35392570	Yoke, Caster Wheel	1	
10	36888709	Jack Assembly	1	

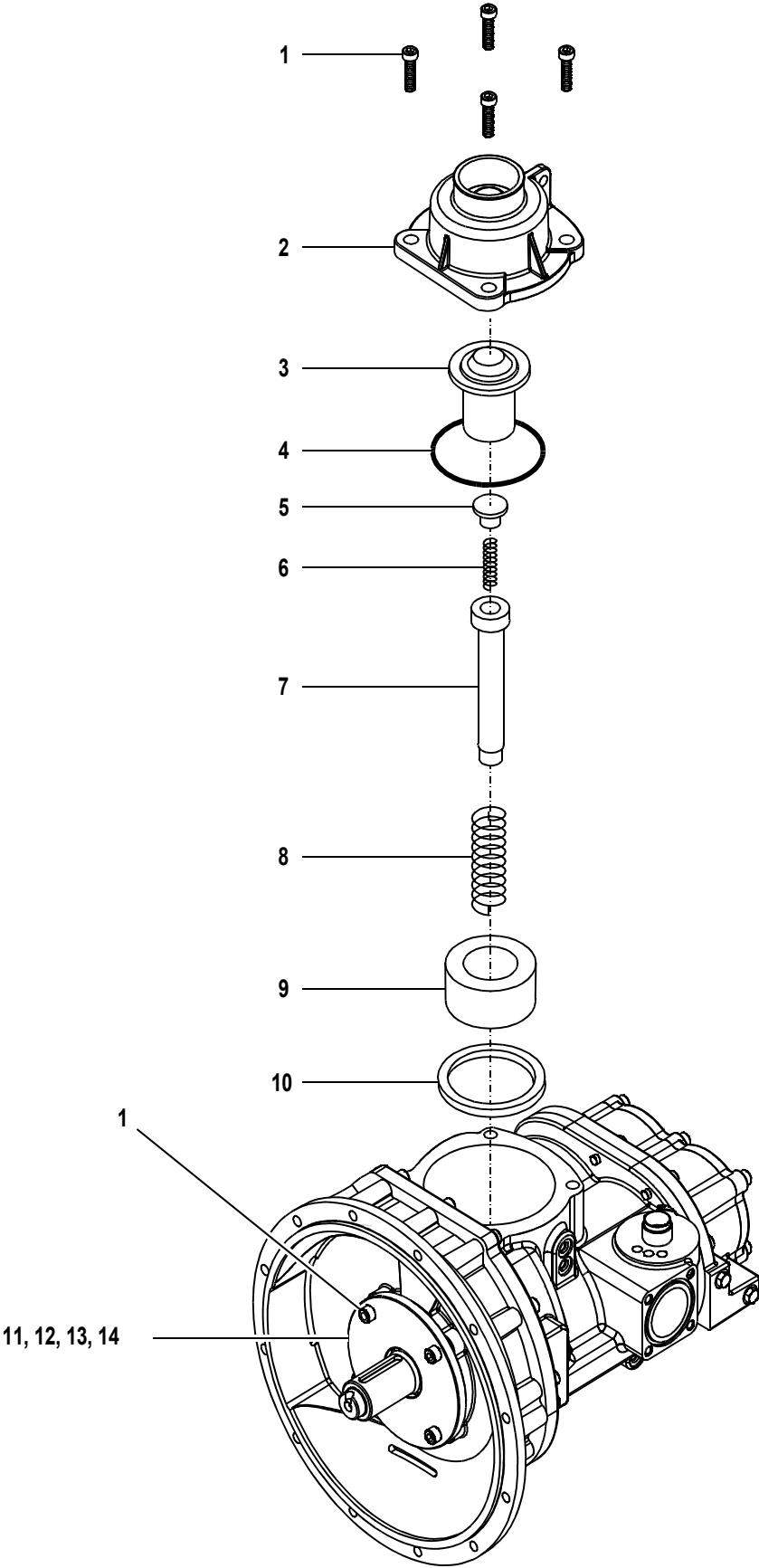
ENGINE MOUNT



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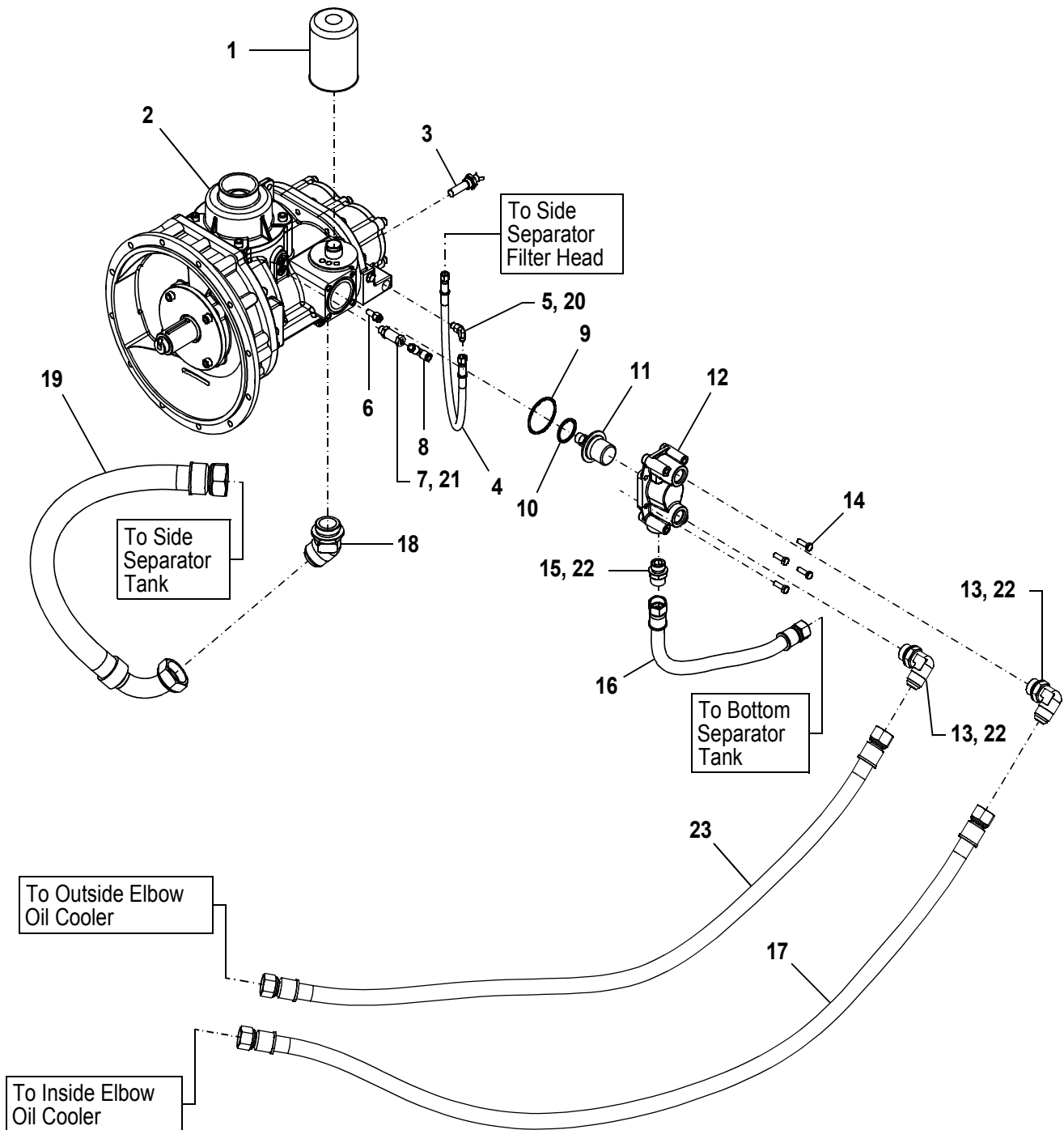
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46553985	Pipe, Exhaust	1	
2	46554951SB	Bracket, Air Cylinder Mounting	1	
3	96701461	Screw, Hex M06-1.0 X 25	2	
4	95935029	Washer, Flat 1/4"	2	
5	36769032	Nut, Hex Flange M06-1.0	2	
6	23364888	Engine, 4TNV84T-BMIRD	1	
7	35370386	Elbow, 90° X 1/8" NPT X 3/8" Tube	1	
8	35592435	Cylinder, Air	1	
9	95935086	Nut, Hex 5/16"-24	2	
10	35328467	Bearing, Rod End 5/16"-24	2	
11	54757935	Switch, Pressure 12 PSI NO	1	
12	15898059	Switch, Water Temperature NC	1	
13	96702279	Screw, Hex M10-1.50 X 20	8	
14	35304047	Nut, Hex Nyloc M12-1.75	2	
15	95935003	Washer, Flat 1/2"	2	
16	46492682SB	Bracket, Engine Mounting	2	
17	35279025	Screw, Tapping M08-1.25 X 20	4	
18	54429303	Isolator	2	
19	54429295	Washer, Snubbing	2	
20	96739958	Screw, Hex M12-1.75 X 70	2	
21	46551804	Fan	1	
22	95934998	Washer, Flat 5/16"	4	
23	96702824	Screw, Hex M08-1.25 X 20	4	
24	35209048	Clamp, Saddle 2.5"	1	
25	96702816	Screw, Hex M08-1.25 X 16	2	

AIREND and UNLOADER



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	96702170	Screw, Socket Head Cap M10-1.50 X 35	4	
2	46553553	Cover, Inlet	1	
3	36511623	Valve, Unloader	1	
4	95058053	O-Ring, 5.0" ID X 0.14" Cross Sect.	1	
5	35379817	Cap, Spring	1	
6	35376342	Spring, Unloader	1	
7	35611557	Stem, Piston	1	
8	35376334	Spring, Unloader Piston	1	
9	35611615	Piston, Unloader	1	
10	35376359	Seal, U-Cup 2.75" OD X 2.38" ID	1	
11	46553542	Cover, Front Seal	1	
12	39322284	Seal, Lip 67.25 X 48.12	1	
13	46553557	O-Ring, 4.38" ID X 0.14" Cross Sect.	1	
14	46553556	Bearing, Ball	1	

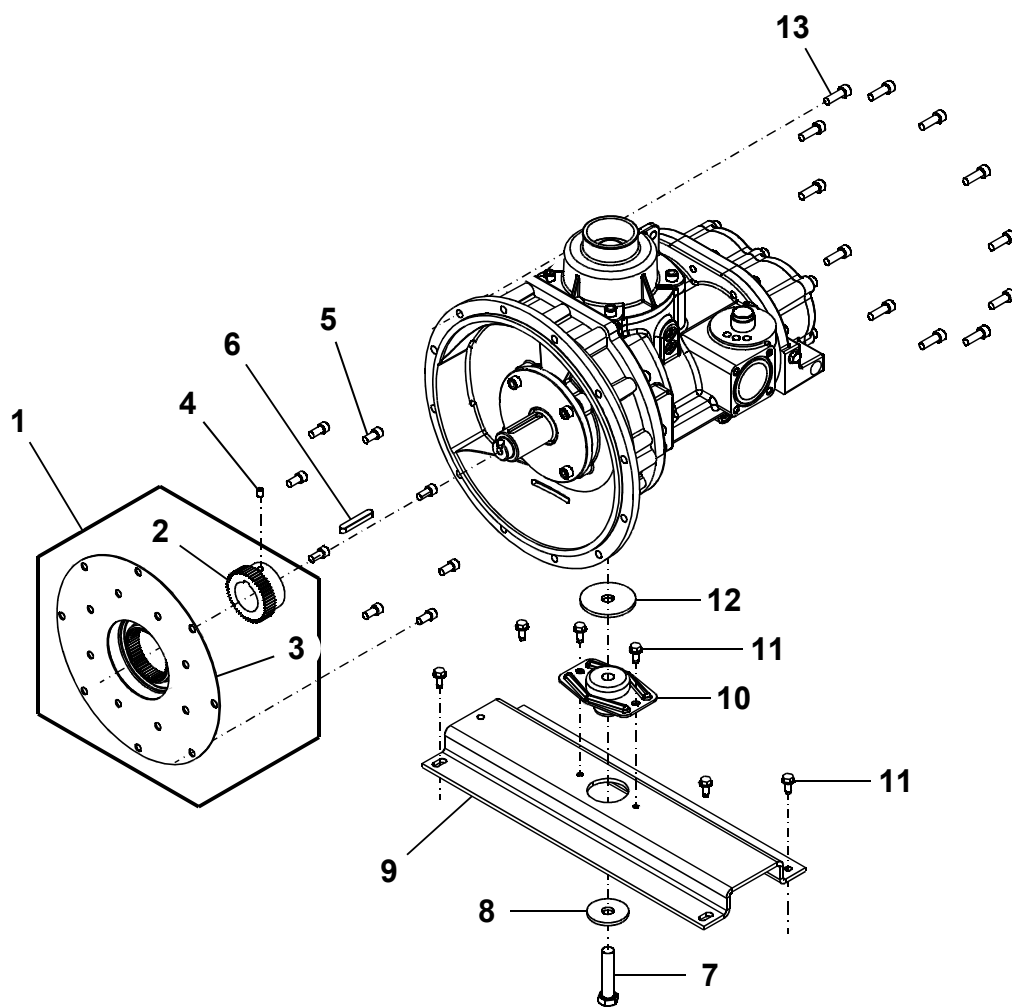
AIREND PIPING



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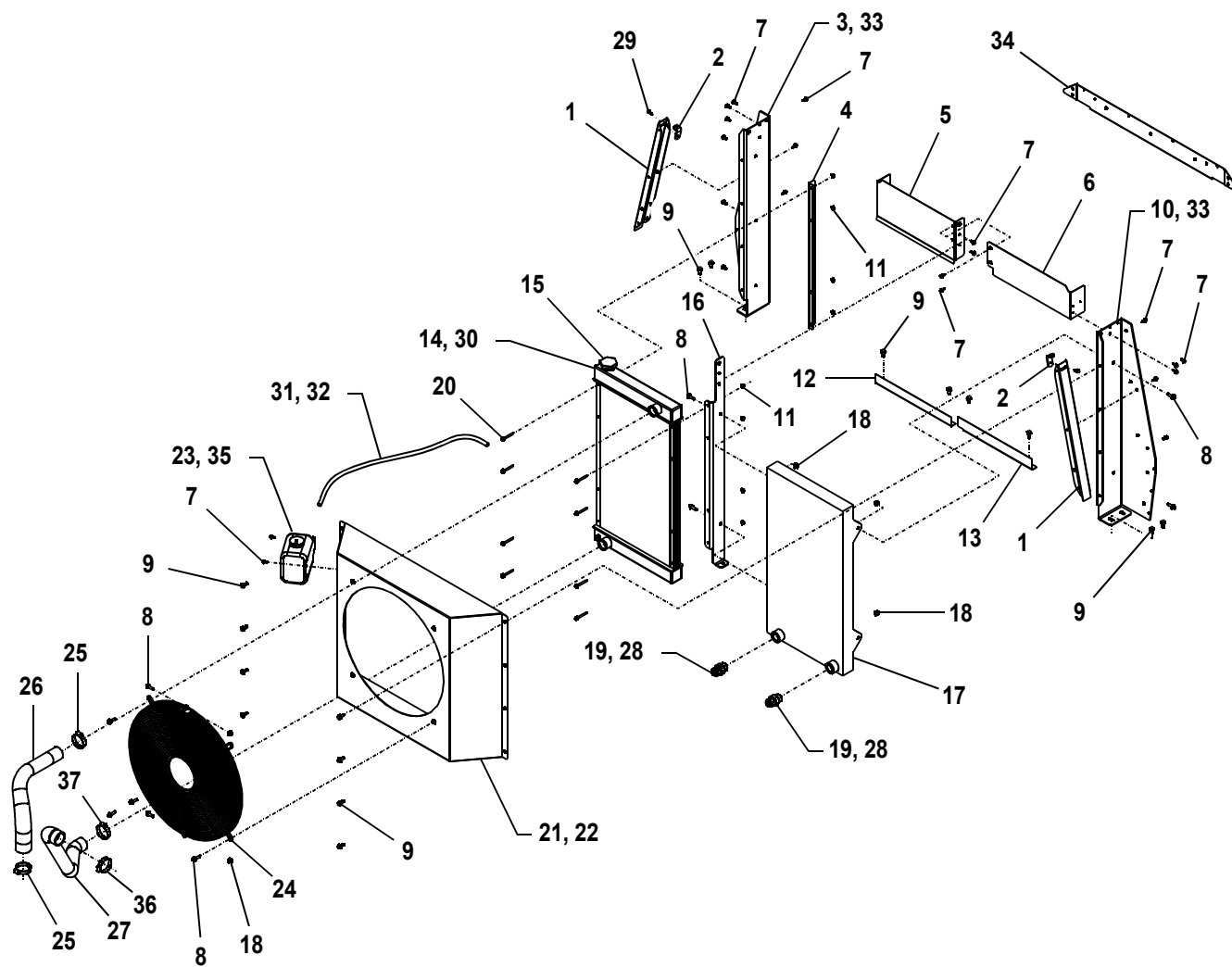
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23279078	Element, Compressor Oil Filter	1	
2	46499307	Airend	1	
3	22823199	Switch, Temperature 248° F	1	
4	35282904	Hose Assembly, -4 JIC X 1125 mm	1	
5	35279876	Elbow, 90° O-Ring 7/16"-20 X -4 JIC	1	
6	95287629	Connector, -4 JIC X 1/8" NPT	1	
7	36886992	Valve, 0.078" Check w/ O-Ring	1	
8	35374859	Tee, 1/8" NPT Male Run X 3/8" Tube	1	
9	95022307	O-Ring, 2.62" ID X 0.14" Cross Sect.	1	
10	36788172	Seal, U-Cup 1.88" OD X 1.63" ID	1	
11	22195820	Element, Thermostat 150° - 170° F	1	
12	23334717	Housing, OTBV	1	
13	35294750	Elbow, 90° O-Ring 1.06"-12 X 3/4" Tube	2	
14	46542163	Screw, Socket Head Cap M10-1.5 X 30	4	
15	35295880	Connector, O-Ring 1.06"-12 X -12 JIC	1	
16	35287721	Hose Assembly, -12 JIC X 17"	1	
17	35376110	Hose Assembly, -12 JIC X 54"	1	
18	35296425	Elbow, 45° O-Ring 1.88"-12 X -24 JIC	1	
19	46497616	Hose, Airend Discharge -24 JIC	1	
20	35279959	O-Ring, 0.35" ID X .08" Cross Sect.	AR	
21	35278571	O-Ring, 0.47" ID X .08" Cross Sect.	AR	
22	35294768	O-Ring, 0.92" ID X 0.12" Cross Sect.	AR	
23	36881936	Hose Assembly, -12 JIC X 65"	1	

AIREND MOUNT



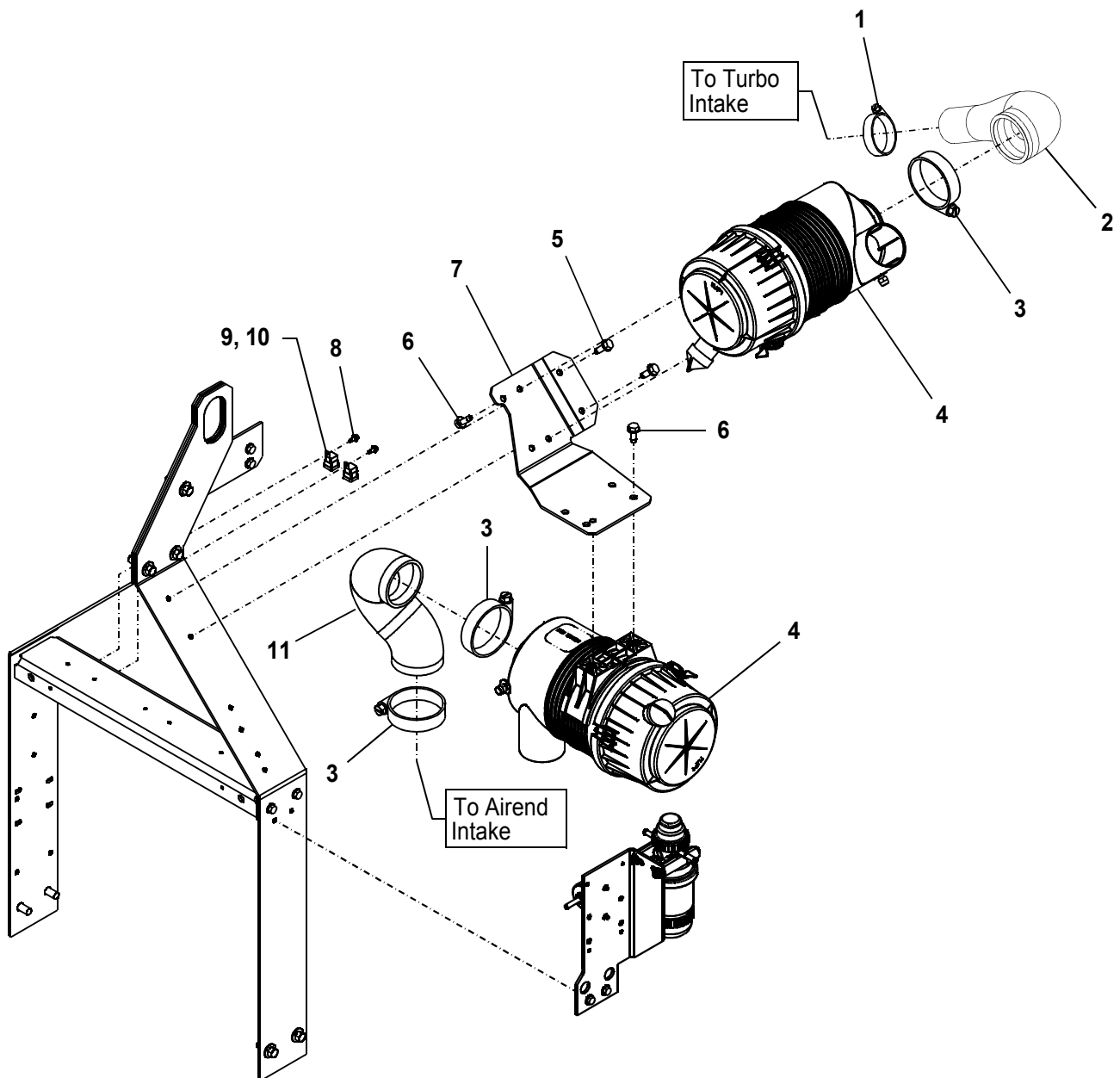
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46492955	Coupling Assembly.	1	
2	46492989	Hub, Coupling	1	
3	46492971	Element, Drive Coupling	1	
4	22404289	Screw, Set M08-1.25 X 12	1	
5	95220604	Screw, Socket Head Cap 3/8"-16 X .3/4"	8	
6	36769289	Key, M8 X 10 X 60	1	
7	35290113	Screw, Hex M16-2.0 X 75	1	
8	35327212	Washer, Snubber 2.25" X 5/8"	1	
9	23334253SB	Crossmember, Airend Support	1	
10	54471057	Isolator, Rubber	1	
11	35279025	Screw, Tapping M08-1.25 X 20	6	
12	35609874	Washer, Snubber 3.0" X 5/8"	1	
13	46542163	Screw, Socket Head Cap M10-1.5 X 30	12	

COOLERS



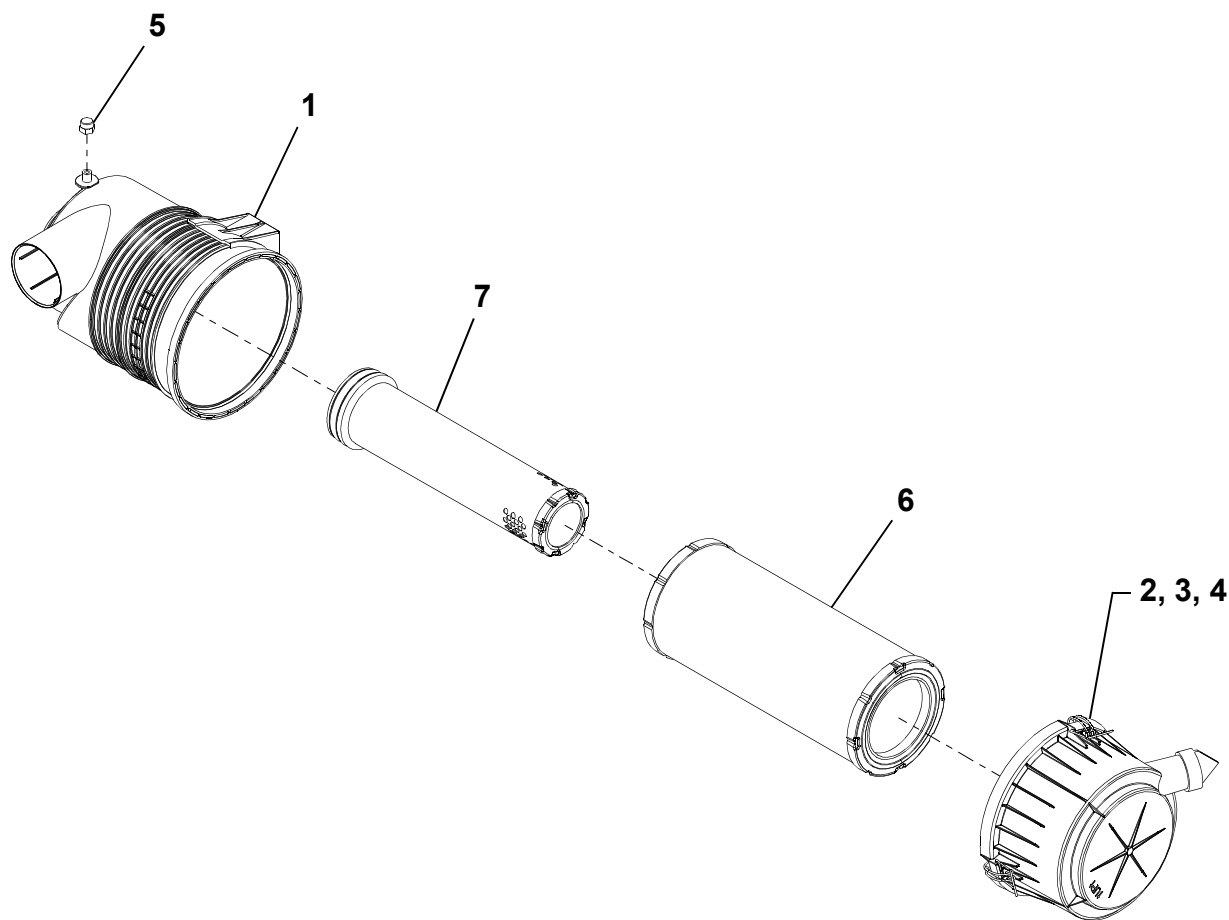
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46492765GA	Stop, Door	2	
2	46492757SB	Bracket, Roof Attachment	2	
3	23021579SB	Support, RH Cooler	1	
4	46496899SB	Angle, Radiator Support	1	
5	46492732SB	Baffle, Top LH	1	
6	46492724SB	Baffle, Top RH	1	
7	92368687	Screw, Tapping M06-1.0 X 14	13	
8	36889608	Screw, Hex Flange M08-1.25 x 25	10	
9	35279025	Screw, Tapping M08-1.25 X 20	14	
10	23021561SB	Support, LH Cooler	1	
11	36898104	Nut, Hex Flange M06-1.0	8	
12	22487615SB	Baffle, Radiator Bottom	1	
13	22487607SB	Baffle, Cooler Bottom	1	
14	22482277	Radiator	1	
15	36769560	Cap, Radiator	1	
16	46492773SB	Support, Cooler Middle	1	
17	36882934	Cooler, Oil	1	
18	36881886	Nut, Hex Flange M08-1.25	6	
19	35295880	Connector, O-Ring 1.06"-12 X -12 JIC	2	
20	96727623	Screw, Hex Flange M06-1.0 x 50	8	
21	46491528SB	Shroud,Fan	1	
22	36895746	Nutsert, Hex M08	8	
23	36884948	Bottle, Coolant Recovery	1	
24	36884096	Guard, Fan	1	
25	95235131	Clamp, Hose	2	
26	46496295	Hose, Top Radiator	1	
27	46496303	Hose, Bottom Radiator	1	
28	35294768	O-Ring, 0.92" ID X 0.12" Cross Sect.	AR	
29	36797652	Screw, Tapping M06-1.0 X 12	8	
30	36782167	Valve, Drain 1/4" NPT X .3/8"	1	
31	35363498	Hose, Fuel .5/16" ID	30"	
32	35296342	Clamp, Worm Gear	2	
33	54721238	Screw, 11/32" HI-LO	8	
34	54602719GA	Cross Member Endcap	1	
35	36138295	Cap, Coolant Recovery Bottle	AR	
36	35221662	Clamp, Hose	2	

AIR INTAKE and RELAY MOUNTING



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23247604	Clamp, T-Bolt 2.87"	1	
2	46492781	Hose, Engine Intake	1	
3	35374073	Clamp, T-Bolt 3.62"	2	
4	36897999	Assembly, Air Cleaner	2	
5	35279025	Screw, Tapping M08-1.25 X 20	4	
6	96702816	Screw, Hex M08-1.25 X 16	4	
7	46499562SB	Bracket, Air Cleaner	1	
8	92368687	Screw, Tapping M06-1.0 X 14	2	
9	22511505	Relay, 70 A	2	
10	23091796	Box, Relay	2	
11	46499596	Hose, Flexible Air Intake 3.0" X 15.75"	1	

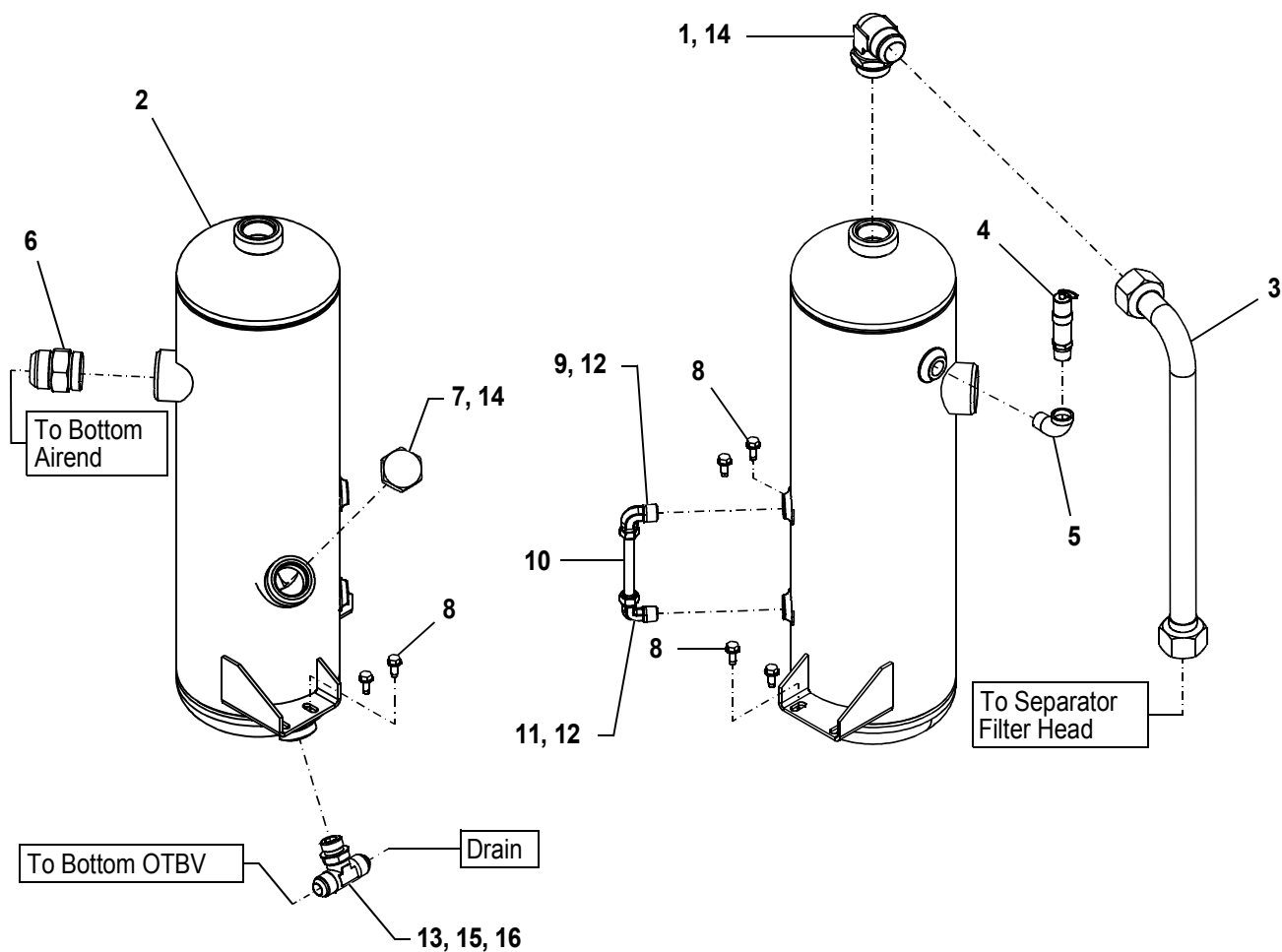
AIR CLEANER



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35393701	Body, Air Cleaner	1	
2	35393693	Cover, Air Cleaner	1	
3	35393669	Clip, Retaining	3	
4	35393677	Valve, Dust Ejector	1	
5	35393719	Plug, Cap	1	
6	35393685	Element, Primary	1	
7	35393651	Element, Safety (Optional)	1	

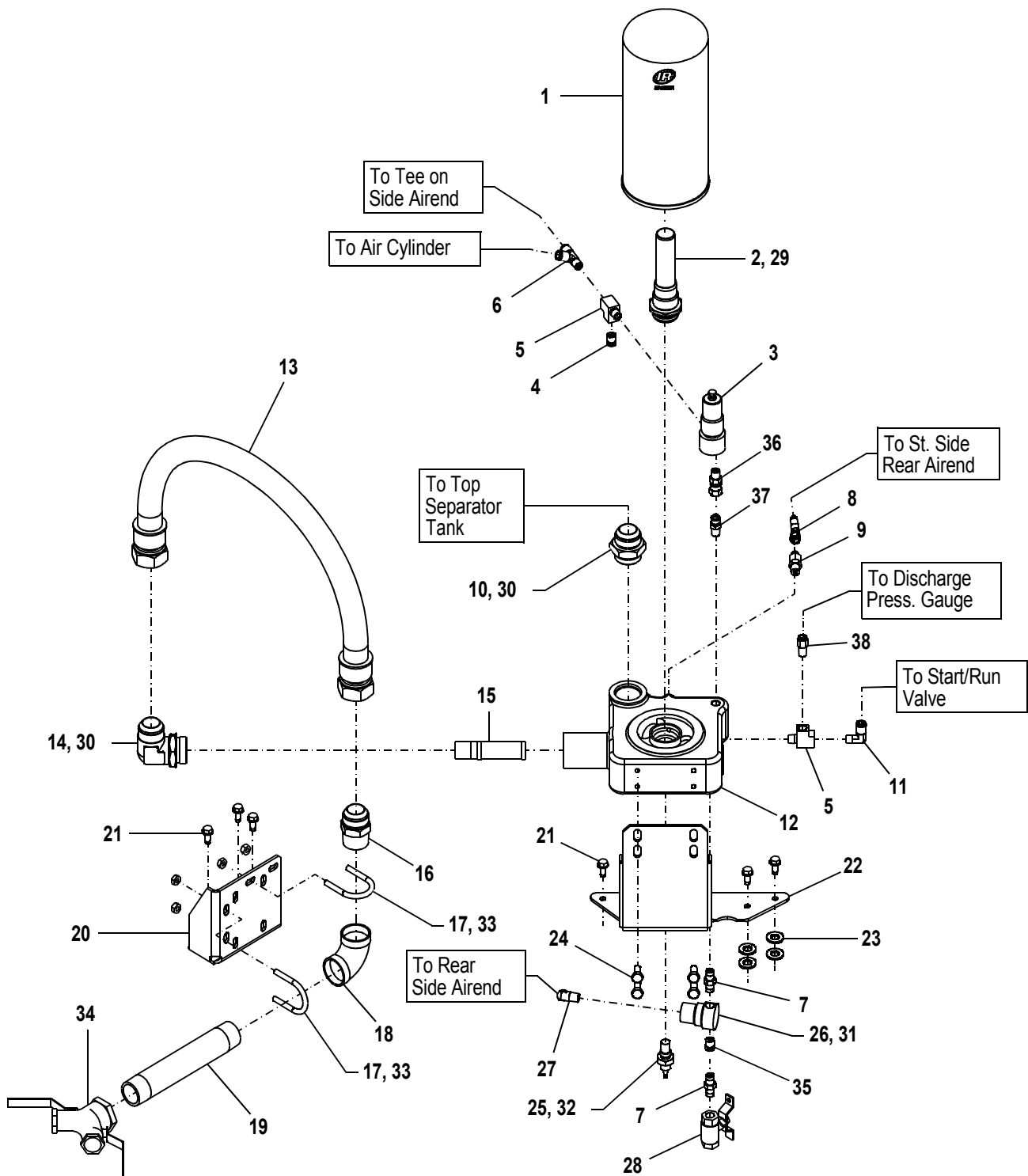
SEPARATOR TANK



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ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35279777	Elbow, 90° 1-5/8"-12 X -20 JIC	1	
2	23362031	Tank, Separator	1	
3	46492047	Tube, Air - Separator Tank to Element	1	
4	36920254	Valve, Safety 200 PSI	1	
5	95928164	Elbow, Street 1/2" NPT	1	
6	35296409	Connector, -24JIC X 1.88"-12	1	
7	35579630	Plug, 1-5/8" O-Ring	1	
8	35279025	Screw, Tapping M08-1.25 X 20	4	
9	22685481	Elbow, Top Sight Tube	1	
10	22685515	Tube, Sight Gage	1	
11	22685499	Elbow, Bottom Sight Tube	1	
12	22685507	Insert, 1/4" Tube	2	
13	36779999	Tee, O-Ring 1.06"-12 SAE X -12 JIC X -12 JIC	1	
14	35279942	O-Ring, 1.48" ID X 0.11" Cross Sect.	AR	
15	35369214	Cap, Hex -12JIC	1	
16	35294768	O-Ring, 0.92" ID X 0.12" Cross Sect.	AR	

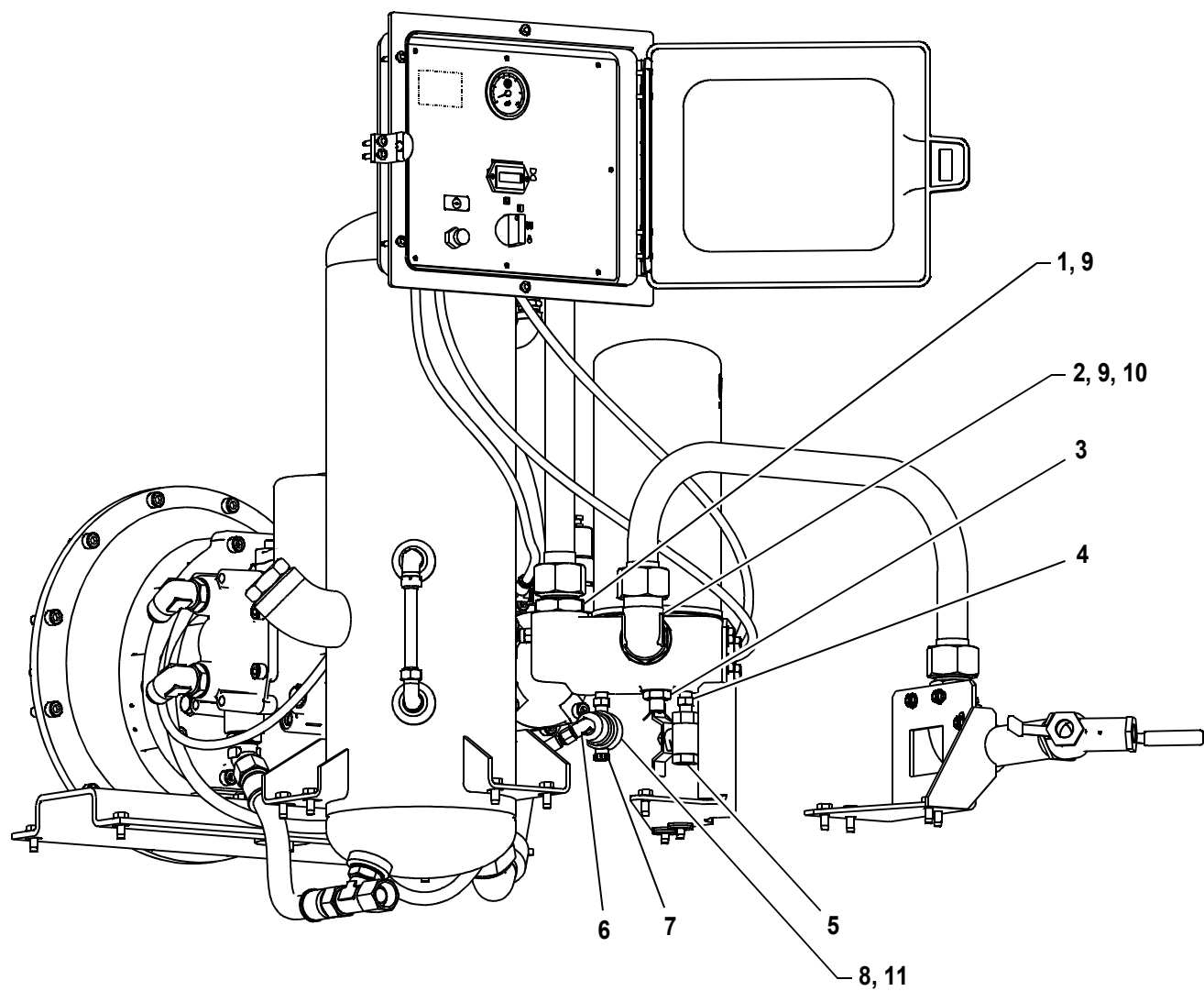
SEPARATOR FILTER



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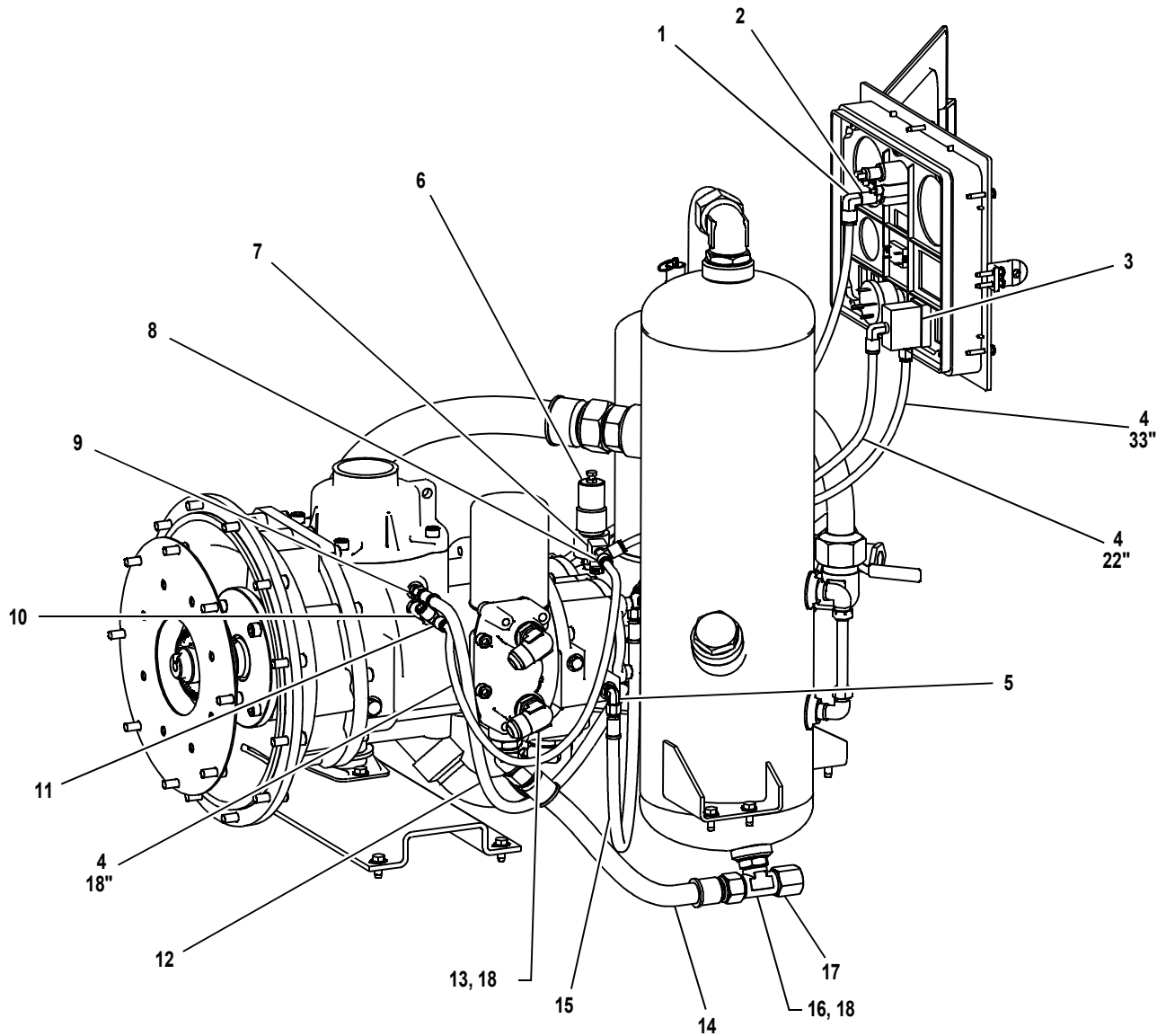
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22436331	Element, Separator	1	
2	22610760	Nipple, Filter Air-Oil	1	
3	36896892	Valve, Pressure Regulator 200 PSI	1	
4	36766756	Orifice, Muffler 0.140"	1	
5	35114545	Tee, Street 1/4" NPT	2	
6	35369503	Tee, Run 1/4" NPT X 3/8" Tube	1	
7	36793776	Nipple, 0.25" NPT	2	
8	95446340	Elbow, 45° Swivel Nut -4 JIC	1	
9	36840437	Valve, 0.062" Orifice Check	1	
10	35279785	Connector, 1-5/8"-12 X -20 JIC	1	
11	35369354	Elbow, 1/4" NPT X 3/8" Tube	1	
12	22406755	Filter Head	1	
13	46541405	Tube, Discharge Service Air	1	
14	35279777	Elbow, 90° 1-5/8"-12 X -20 JIC	1	
15	36921377	Nozzle, 0.395" Orifice Sonic	1	
16	95219770	Adapter, 1.25" NPT X 1.62"-12	1	
17	35189885	U-Bolt, 1/4"-20	2	
18	95953378	Elbow, 90° X 1.25" NPT	1	
19	95944542	Nipple, Long 1.25" NPT X 7"	1	
20	46496451SB	Bracket, Service Pipe	1	
21	35279025	Screw, Tapping M08-1.25 X 20	4	
22	23365349SB	Bracket, Separator Element	1	
23	95935003	Washer, Flat 1/2"	4	
24	96702279	Screw, Hex M10-1.5 X 20	4	
25	35596436	Switch, Temperature 248° F	1	
26	35322379	Valve, Blowdown	1	
27	35283464	Elbow, 90° Male 1/4" NPT X 1/4" Tube	1	
28	35324839	Valve, Ball 1/4" NPT	1	
29	22610950	O-Ring, 32 mm ID X 2 mm Cross Sect.	AR	
30	35279942	O-Ring, 1.48" ID X 0.11" Cross Sect.	AR	
31	35379064	Repair Kit, Diaphragm	AR	
32	39404165	O-Ring, 0.64" ID X 0.09" Cross Sect.	1	
33	35144492	Nut, Hex Lock 1/4"-20	4	
34	36881076	Valve, Wye	1	
35	43213388	Orifice, Muffler 0.093"	1	
36	35367846	Connector, Swivel Nut -6 JIC X 1/4" NPT	1	
37	35284082	Connector, -6 JIC X 1/4" NPT	1	
38	35369347	Connector, Male 1/4" NPT X 3/8" Tube	1	

AIR and OIL PIPING CRBSD FRONT



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35279785	Connector, 1-5/8"-12 X -20 JIC	1	
2	36921377	Nozzle, 0.395" Orifice Sonic	1	
3	35596436	Switch, Temperature 248° F	1	
4	36793776	Nipple, 0.25" NPT	1	
5	35324839	Valve, Ball 1/4" NPT	1	
6	35283464	Elbow, 90° Male 1/4" NPT X 1/4" Tube	1	
7	43213388	Orifice, Muffler 0.093"	1	
8	35322379	Valve, Blowdown	1	
9	35279942	O-Ring, 1.48" ID X 0.11" Cross Sect.	AR	
10	35279777	Elbow, 90° 1-5/8"-12 X -20 JIC	1	
11	35379064	Repair Kit, Diaphragm	AR	

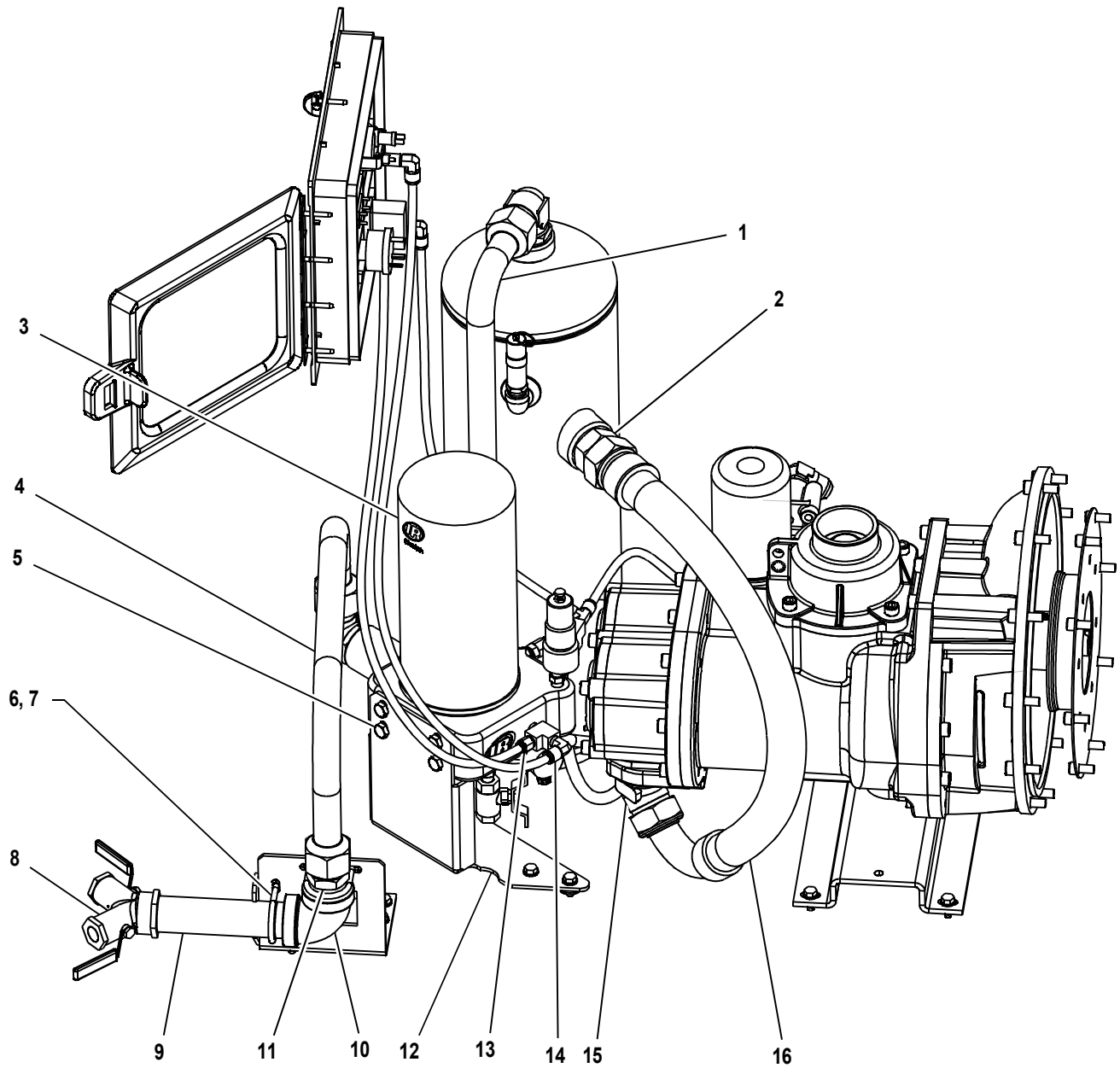
AIR and OIL PIPING CRBSD REAR



46553433_03/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35370386	Elbow, 90° X 1/8" NPT X 3/8" Tube	1	See Lengths Above
2	95935599	Coupling, Straight 1/8" NPT X 3/4"	1	
3	22910699	Valve, 2-Way Start-Run	1	
4	35356484	Tubing, 3/8" Synflex	~	
5	35279876	Elbow, 90° O-Ring 7/16"-20 X -4 JIC	1	
6	36896892	Valve, Pressure Regulator 200 PSI	1	
7	35114545	Tee, Street 1/4" NPT	1	
8	35369503	Tee, Run 1/4" NPT X 3/8" Tube	1	
9	95287629	Connector, -4 JIC X 1/8" NPT	1	
10	36886992	Valve, 0.078" Check w/ O-Ring	1	
11	35374859	Tee, 1/8" NPT Male Run X 3/8" Tube	1	
12	35282920	Hose Assembly, -4 JIC X 30"	1	
13	35294750	Elbow, 90° O-Ring 1.06"-12 X 3/4" Tube	2	
14	35294677	Hose Assembly, -12 JIC X 13"	1	
15	35282904	Hose Assembly, -4 JIC X 1125 mm	1	
16	36779999	Tee, O-Ring 1.06"-12 SAE X -12 JIC X -12 JIC	1	
17	35369214	Cap, Hex -12 JIC	1	
18	35294768	O-Ring, 0.92" ID X 0.12" Cross Sect.	AR	

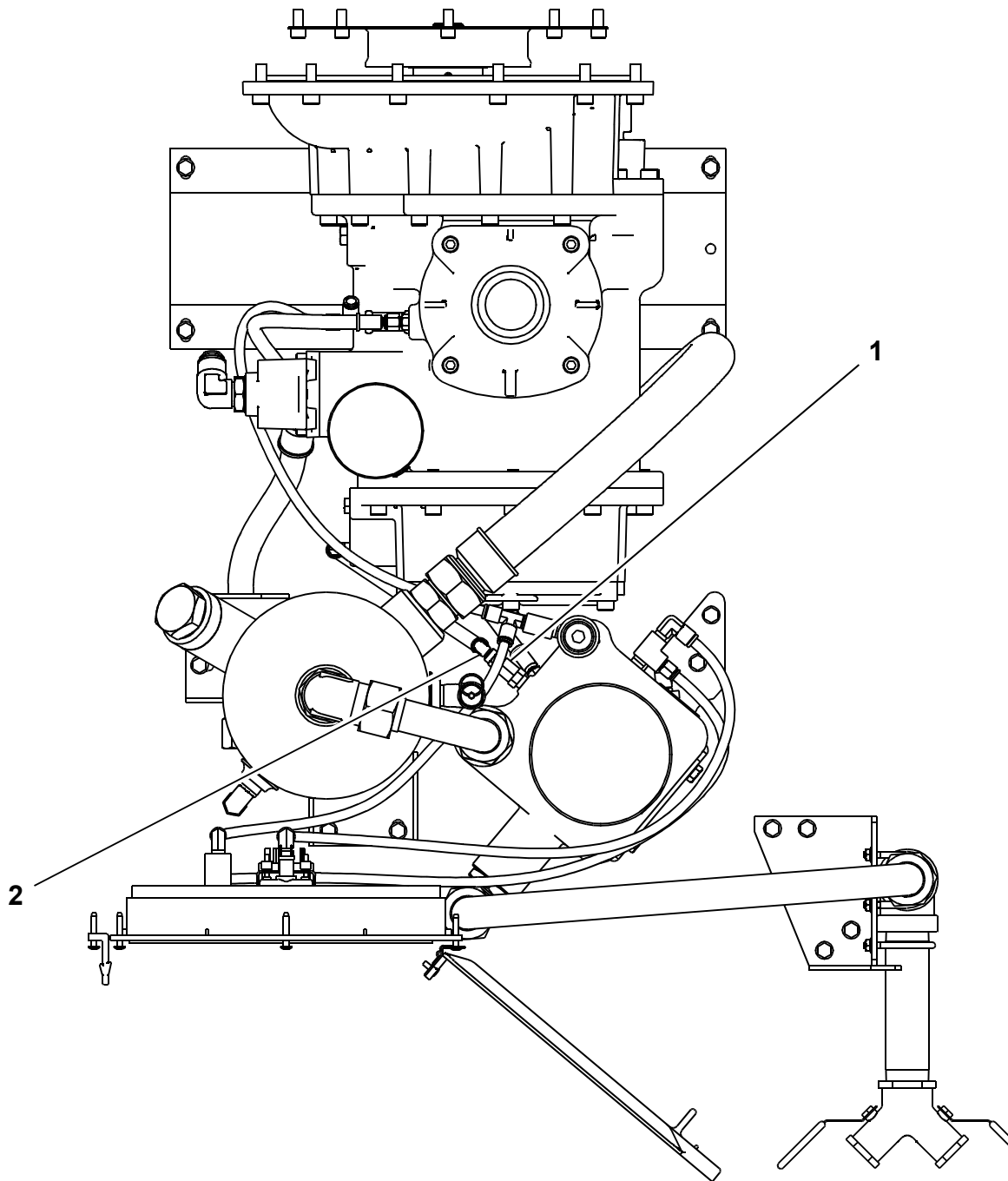
AIR and OIL PIPING STSD



46553433_03/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46492047	Tube, Air - Separator Tank to Element	1	
2	35296409	Connector, -24JIC X 1.88"-12	1	
3	22436331	Element, Separator	1	
4	46541405	Tube, Discharge Service Air	1	
5	96702279	Screw, Hex M10-1.5 X 20	4	
6	35144492	Nut, Hex Lock 1/4"-20	4	
7	35189885	U-Bolt, 1/4"-20	2	
8	36881076	Valve, Wye	1	
9	95944542	Nipple, Long 1.25" NPT X 7"	1	
10	95953378	Elbow, 90° X 1.25" NPT	1	
11	95219770	Adapter, 1.25" NPT X 1.62"-12	1	
12	23365349SB	Bracket, Separator Element	1	
13	35369347	Connector, Male 1/4" NPT X 3/8" Tube	1	
14	35369354	Elbow, 1/4" NPT X 3/8" Tube	1	
15	35296425	Elbow, 45° O-Ring 1.88"-12 X -24 JIC	1	
16	46497616	Hose, Airend Discharge -24 JIC	1	

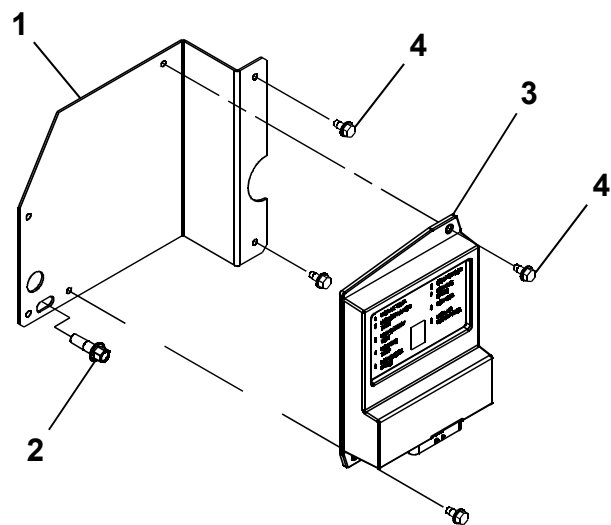
AIR and OIL PIPING TOP



46553433_03/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36840437	Valve, 0.062" Orifice Check	1	
2	95446340	Elbow, 45° Swivel Nut -4 JIC	1	

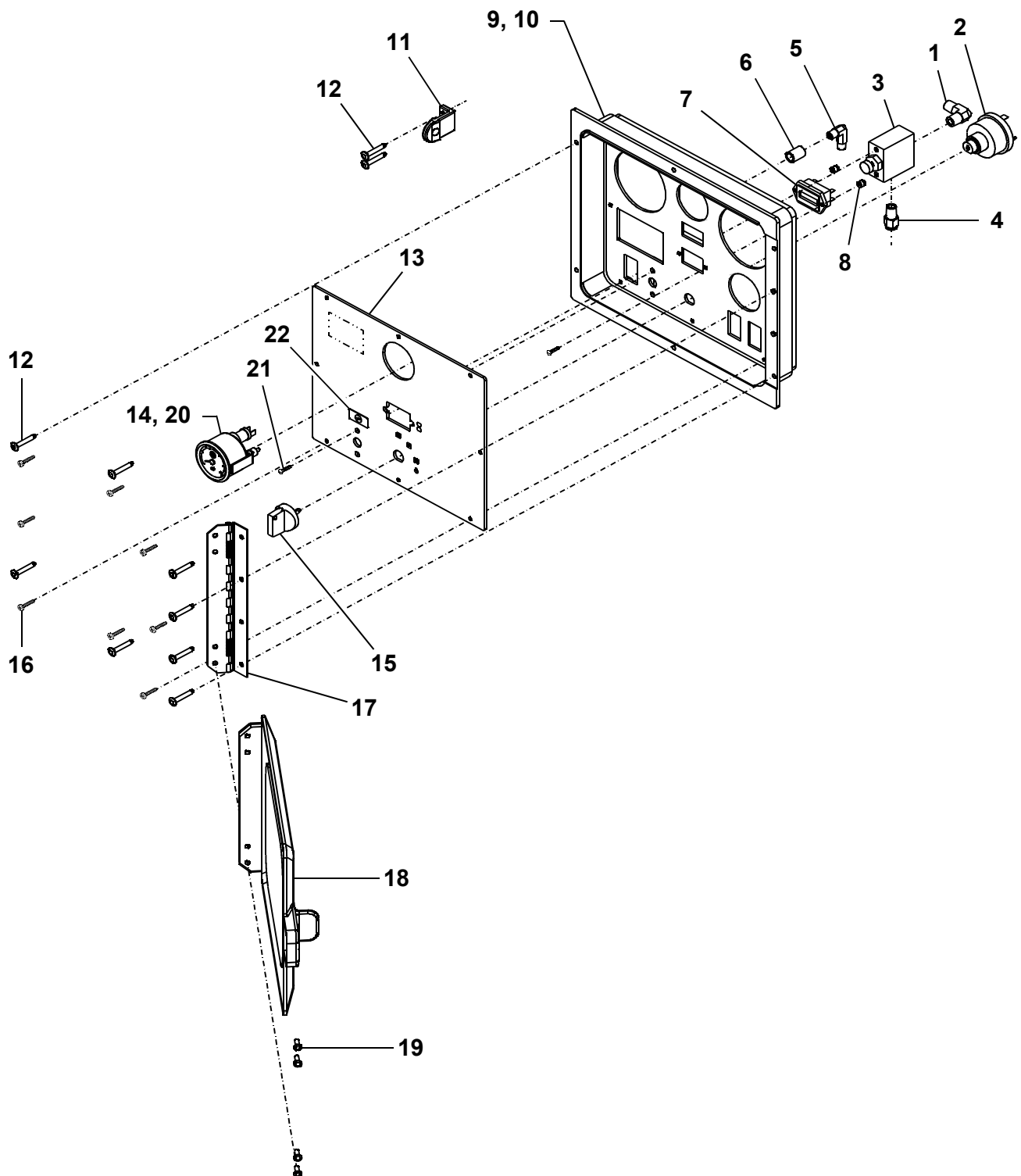
SECU MOUNT



46553433_03/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46497327SB	Support, SECU	1	
2	54721238	Screw, 11/32" HI-LO	1	
3	46499364	Controller, SECU	1	
4	36797652	Screw, Tapping M06-1.0 X 12	4	

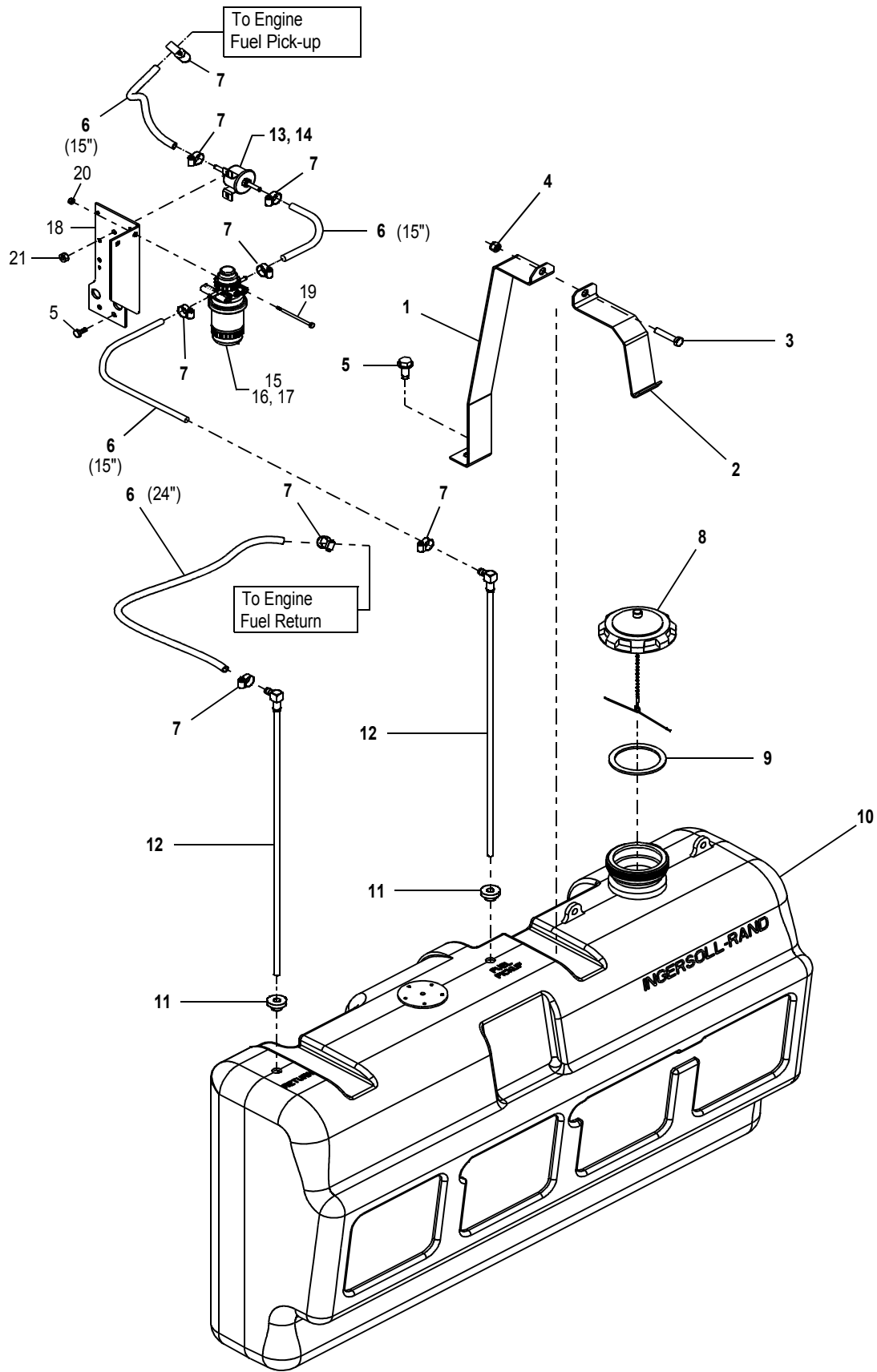
INSTRUMENT PANEL



46553433_03/10_A

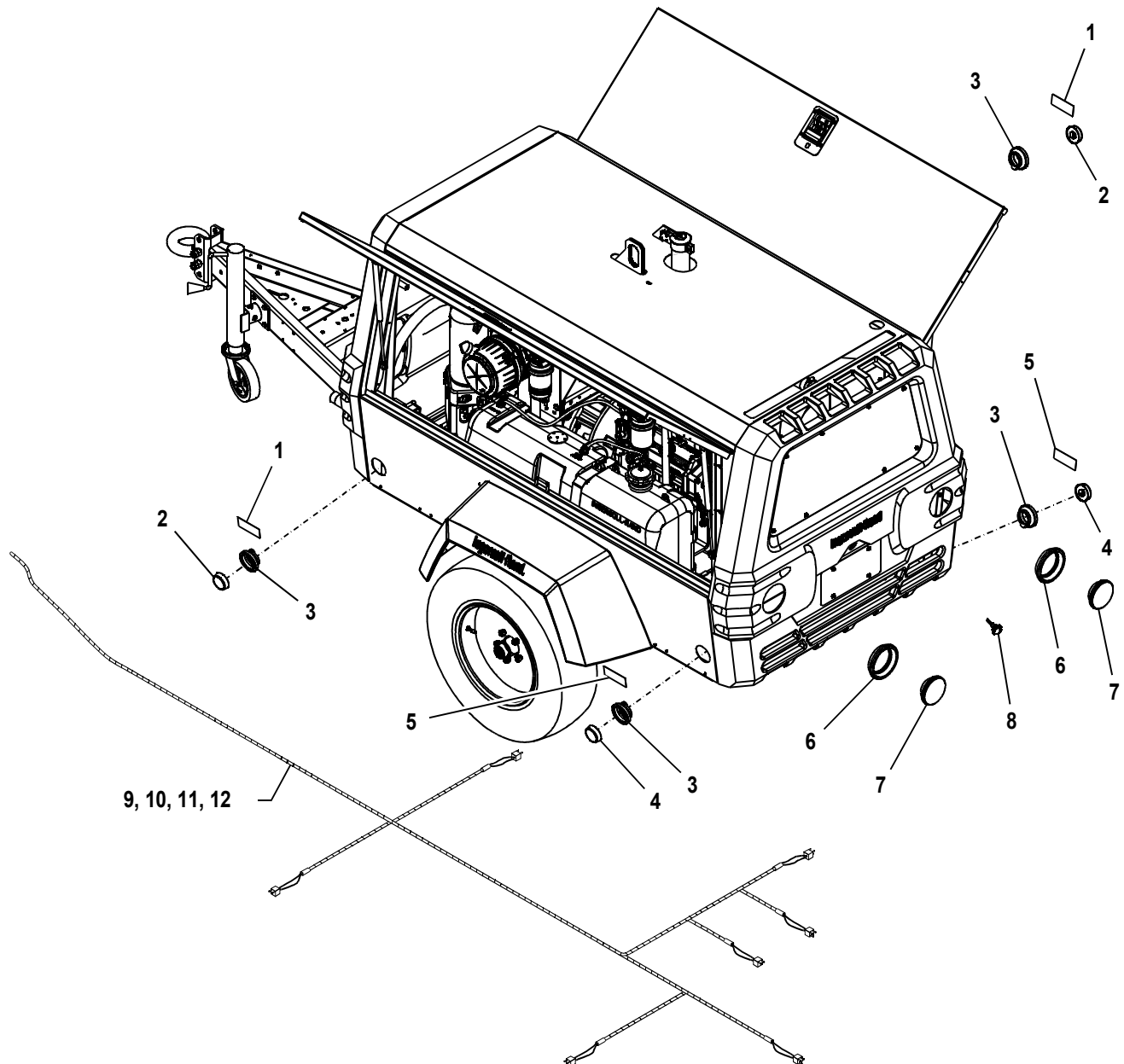
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35369354	Elbow, 90° 1/4" NPT X 3/8" Tube	1	
2	22127385	Switch, Ignition	1	
3	22910699	Valve, 2-Way Start-Run	1	
4	35369347	Connector, Male 1/4" NPT X 3/8" Tube	1	
5	35370386	Elbow, 90° X 1/8" NPT X 3/8" Tube	1	
6	95935599	Coupling, Straight 1/8" NPT X .75"	1	
7	22054175	Hourmeter, Elect/Mech	1	
8	22054159	Nut, Plastic #4-40	2	
9	54749601	Frame, WW Instrument Panel	1	
10	22171680	Panel, Instrument	1	
11	54482518	Latch, Plastic Endcap	1	
12	54721212	Rivet, 3/16" Aluminum	10	
13	22171698	Decal, WW Instrument Panel	1	
14	35604065	Gauge, 150 PSI Pressure	1	
15	22134118	Knob Assembly (Included w/ Item 2)	AR	
16	22070494	Screw, Plastic Tapping	8	
17	22107478	Hinge, Control Panel	1	
18	54482500	Door, Instrument Panel	1	
19	54721220	Rivet, 3/16" Aluminum	4	
20	22137418	Lamp, 14 VDC (Replacement)	AR	
21	22090898	Screw, Pan Head M06-1.0 X 16	2	
22	54774146	Decal, Push After Warmup	1	

FUEL TANK



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22247951	Strap, Hold Down Interior	1	See Lengths Above
2	36884245	Strap, Hold Down Exterior	1	
3	35271170	Screw, Tapping M08-1.25 X 40	1	
4	35278530	Nut, Hex Nyloc M08	1	
5	35279025	Screw, Tapping M08-1.25 X 20	3	
6	35363498	Hose, .5/16" Fuel	~	
7	35296342	Clamp, Worm Gear	8	
8	36885546	Cap, Fuel	1	
9	36385111	Gasket, Fuel Cap	1	
10	36881100	Tank, Fuel	1	
11	35384577	Bushing, Nitrile	2	Included w/ Item 10
12	35392307	Standpipe Assembly	2	Included w/ Item 10
13	22226385	Pump Assembly, Fuel Feed	1	
14	15899065	Bolt, M08 X 16 Plated	2	
15	22926745	Filter, Fuel/Water Separator	1	
16	22926737	Element, Fuel Filter	AR	
17	22532386	Bowl, Fuel Filter	AR	
18	36883890SB	Bracket, Fuel / Ether	1	
19	96726435	Screw, Hex M08-1.25 X 100	2	
20	36881886	Nut, Hex Flange M08-1.25	2	
21	36898104	Nut, Hex Flange M06-1.0	2	

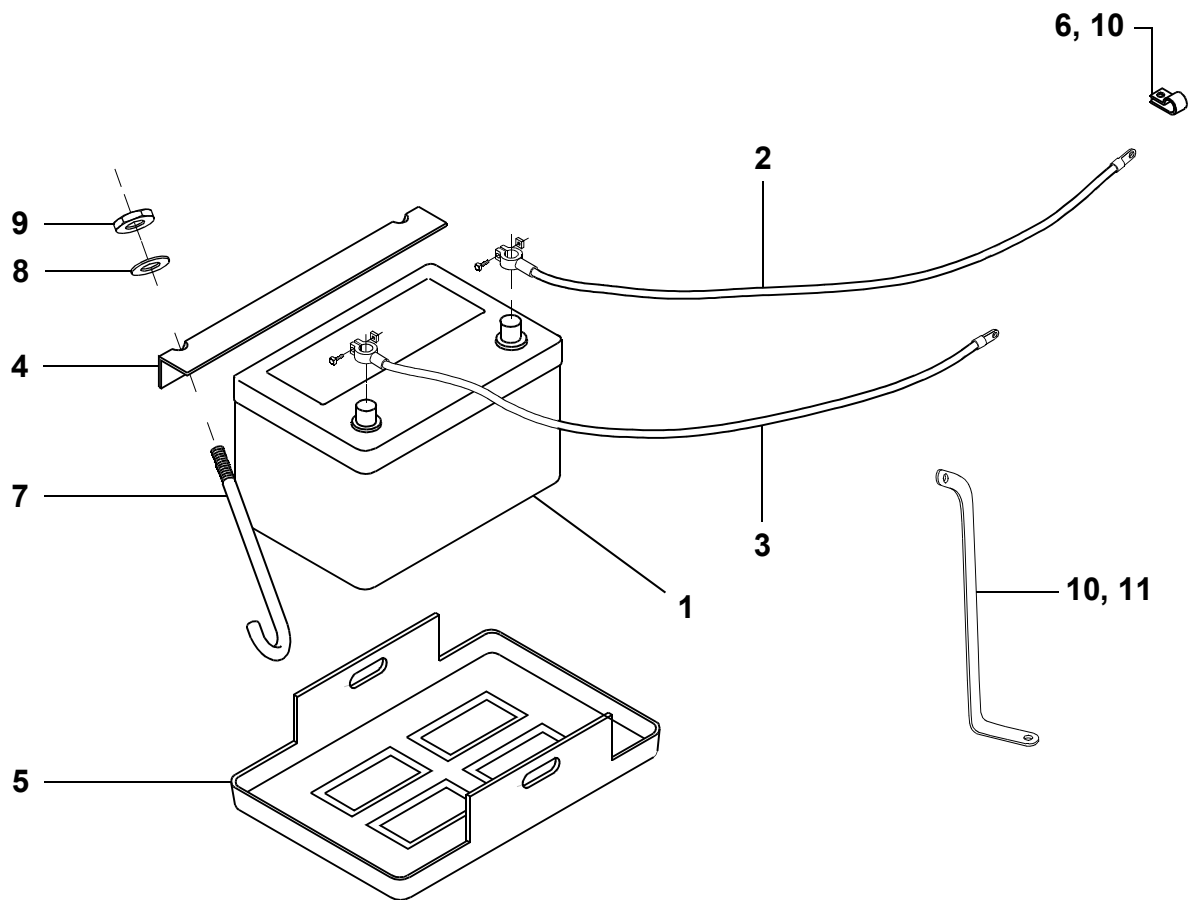
TRAILER LIGHTS WIRING



46553433_03/10_A

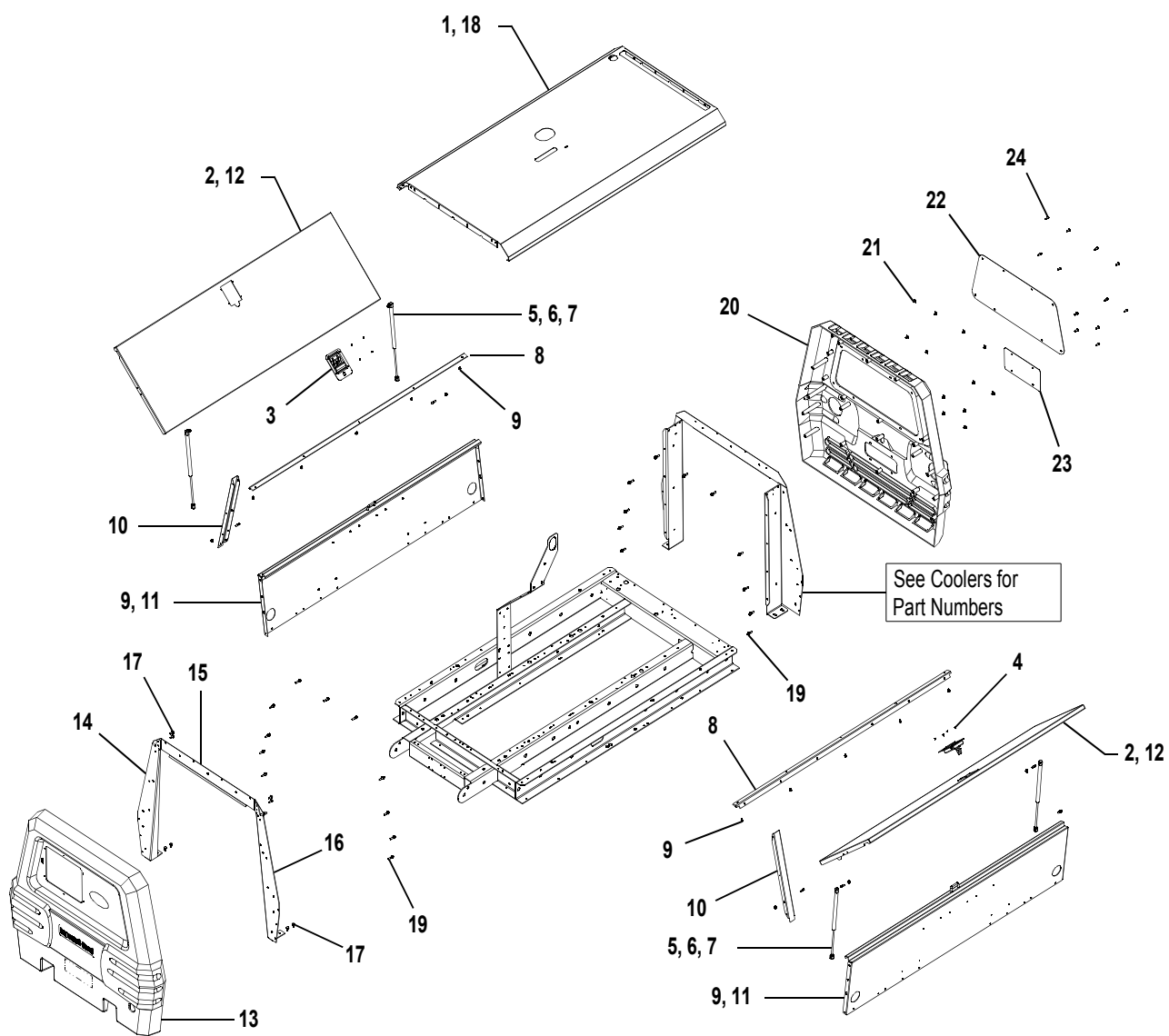
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36894616	Reflector, Amber	2	
2	35367051	Light, Amber Clearance	2	
3	36893634	Grommet, Clearance Light	4	
4	36894608	Reflector, Red	2	
5	35367044	Light, Red Clearance	2	
6	36788081	Light, Combo Tail	2	
7	36787968	Grommet, Tail Light	2	
8	54726468	Light, License	1	
9	23050180	Harness, Trailer	1	
10	35253038	Clamp, Support 3/8"	10	
11	35279025	Screw, Tapping M08-1.25 X 20	3	
12	92368687	Screw, Tapping M06-1.0 X 14	4	

BATTERY MOUNT



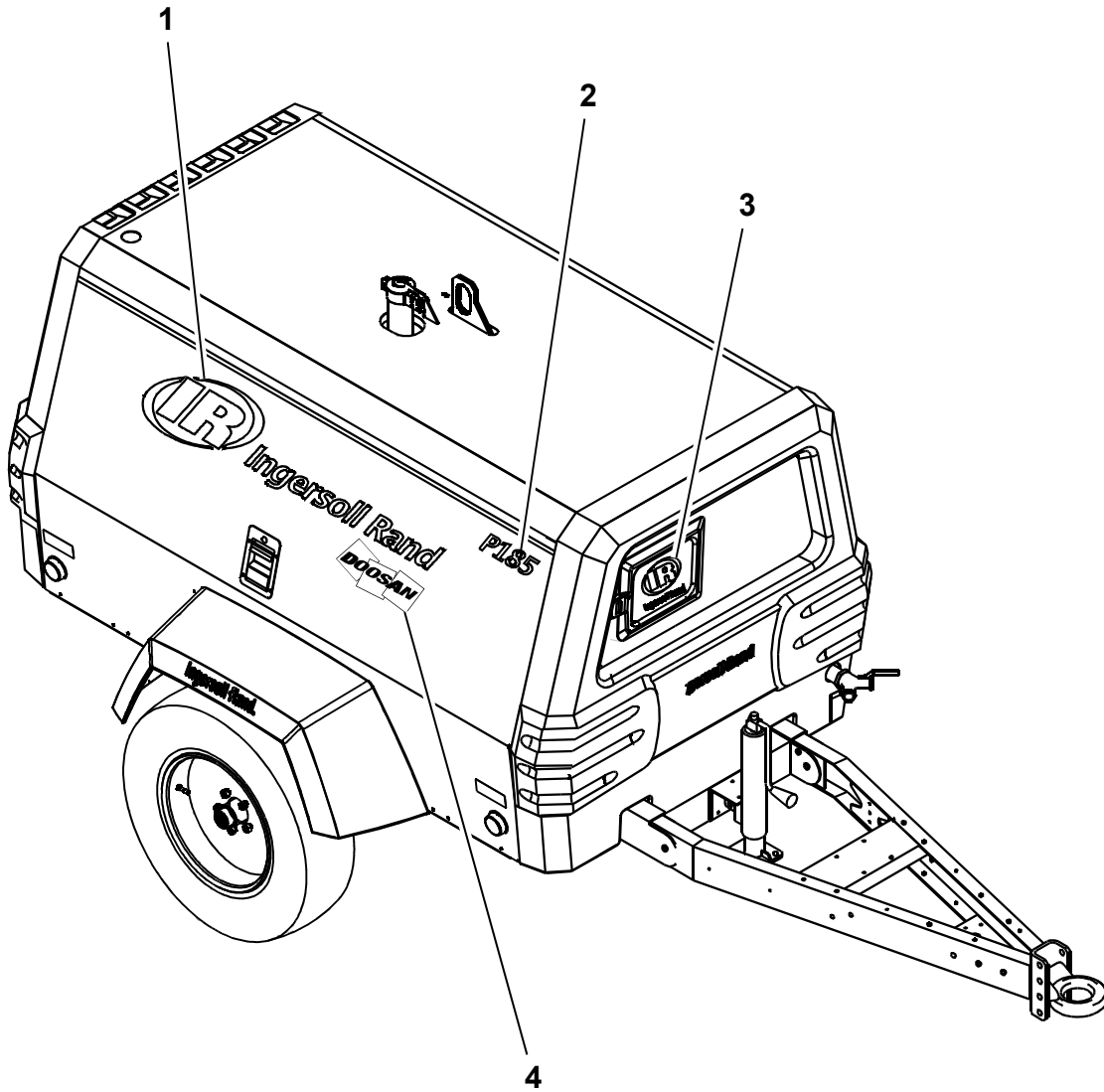
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36844264	Battery	1	
2	36793743	Cable, Positive Battery	1	
3	36780609	Cable, Negative Battery	1	
4	36853257	Angle	1	
5	36878064	Tray, Battery	1	
6	35225077	Clamp, 5/8" Support	2	
7	36860005	J-Bolt	2	
8	36853265	Washer, Plastic	2	
9	95923298	Nut, Lock 1/4"-20	2	
10	35279025	Screw, Tapping M08-1.25 X 20	3	
11	36783488	Strap, Ground	1	

ENCLOSURE



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46492906GA	Roof	1	
2	36889509GA	Door, Side	2	
3	36793602	Latch, Door Slam	2	
4	36794816	Rivet, 3/16" X 1/8"	8	
5	35600287	Spring, Gas	4	
6	35337328	Stud, Ball M08-125	8	
7	36881886	Nut, Hex Flange M08-125	8	
8	36883437	Hinge, Door	2	
9	36797652	Screw, Tapping M06-1.0 X 12	22	
10	46492765GA	Stop, Door	4	
11	36894194GA	Panel, Side	2	
12	36865293	Bumper, Rubber	6	
13	54473517	Endcap, Front	1	
14	46498028SB	Stiffner, CRBSD Endcap	1	
15	54602719GA	Cross Member Endcap	1	
16	46543138SB	Stiffner, STSD Endcap	1	
17	35279025	Screw, Tapping M08-1.25 X 20	24	
18	35310622	Plug, Hole 2"	1	
19	54721238	Screw, 11/32" HI-LO	14	
20	54473525	Endcap, Rear	1	
21	54724117	Grommet, Screw	12	
22	36883445GA	Cover, Top Cooler Access	1	
23	36883452GA	Cover, Lower Cooler Access	1	
24	54519202	Screw, Hex 1/4"-10 X.3/4"	12	

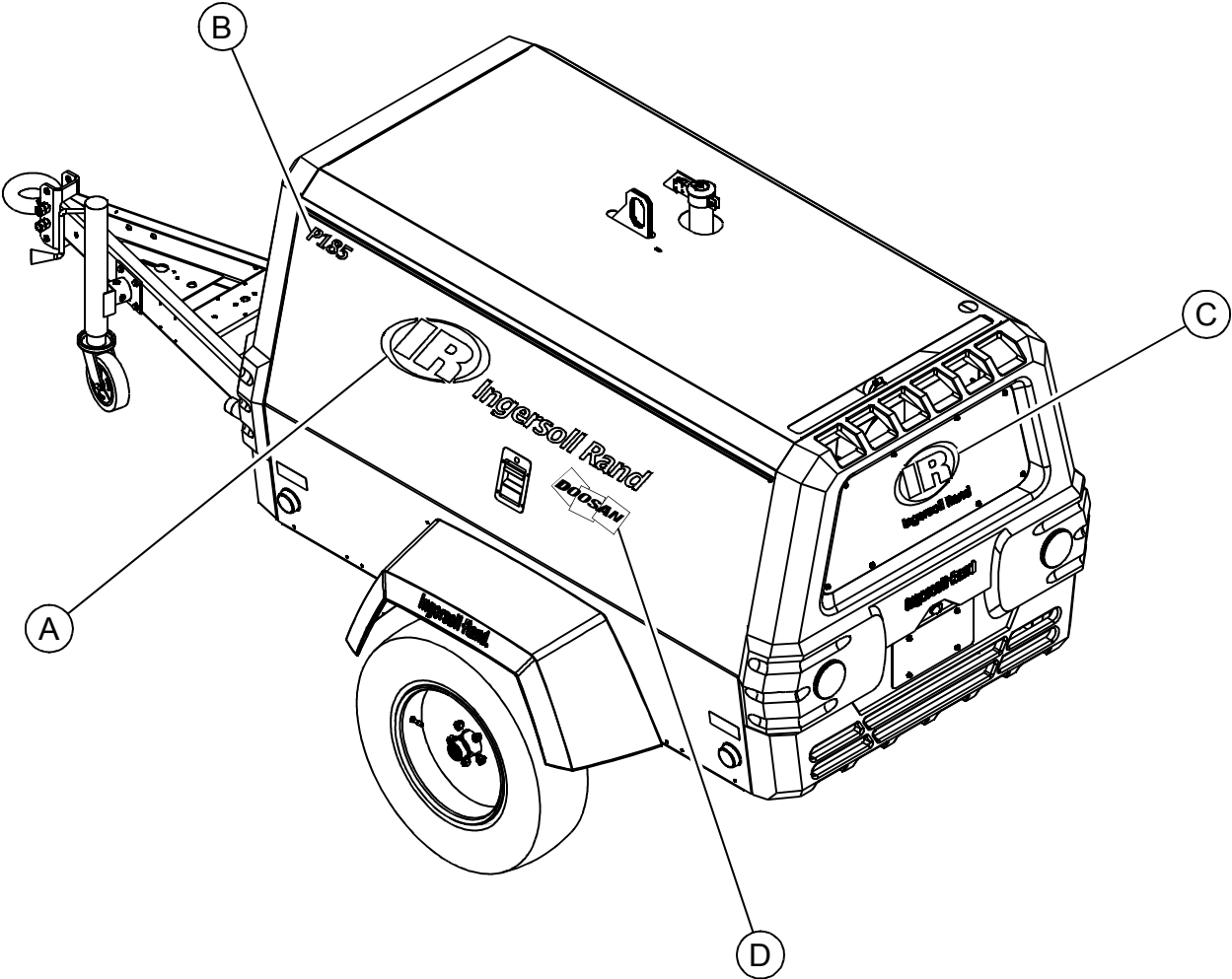
DECAL LOCATION - EXTERIOR CRBSD LOGO



46553433_03/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46492575	Decal, IR Logo 34"	1	
2	46546149	Decal, P185 Model Number	1	
3	46549499	Decal, 6.50" Stacked IR Logo	1	
4	46497400	Decal, 8" Doosan	1	

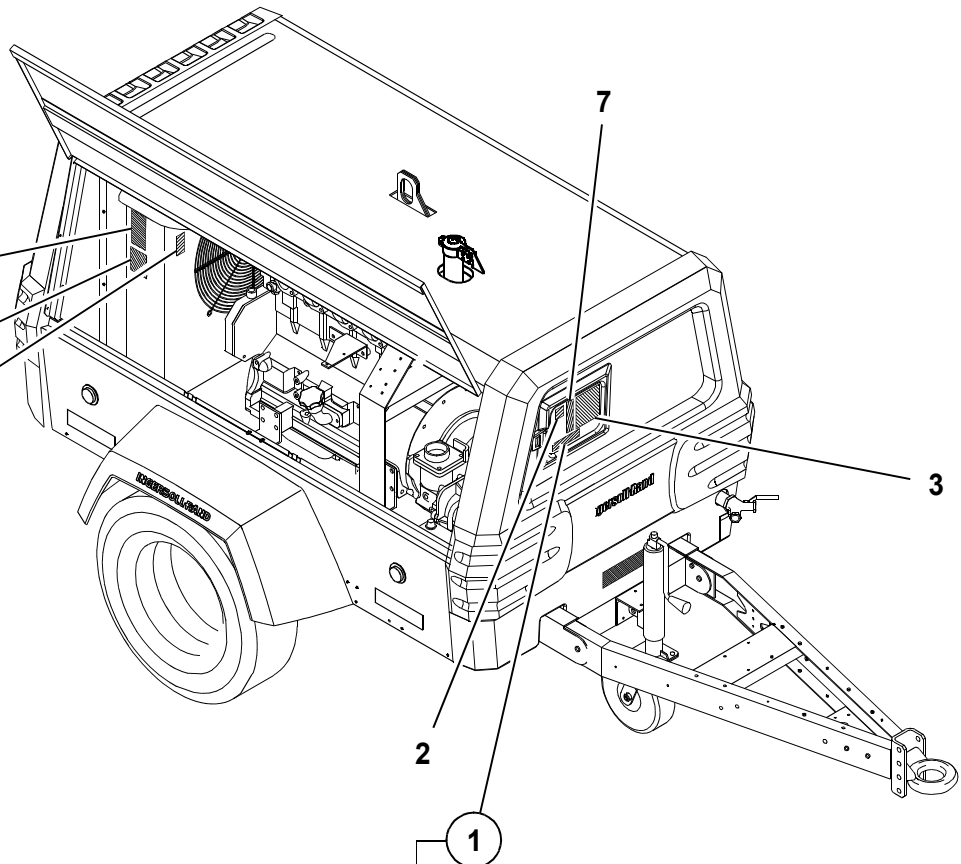
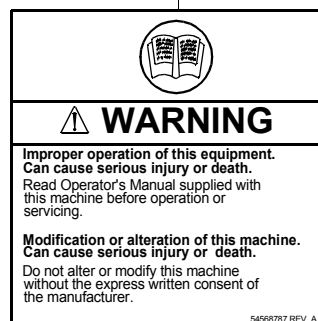
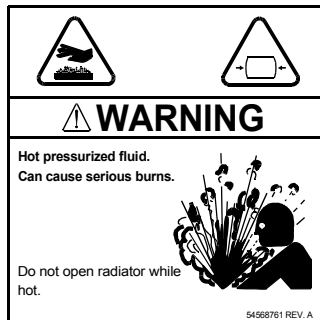
DECAL LOCATION - EXTERIOR STSD LOGO



46553433_03/10_A

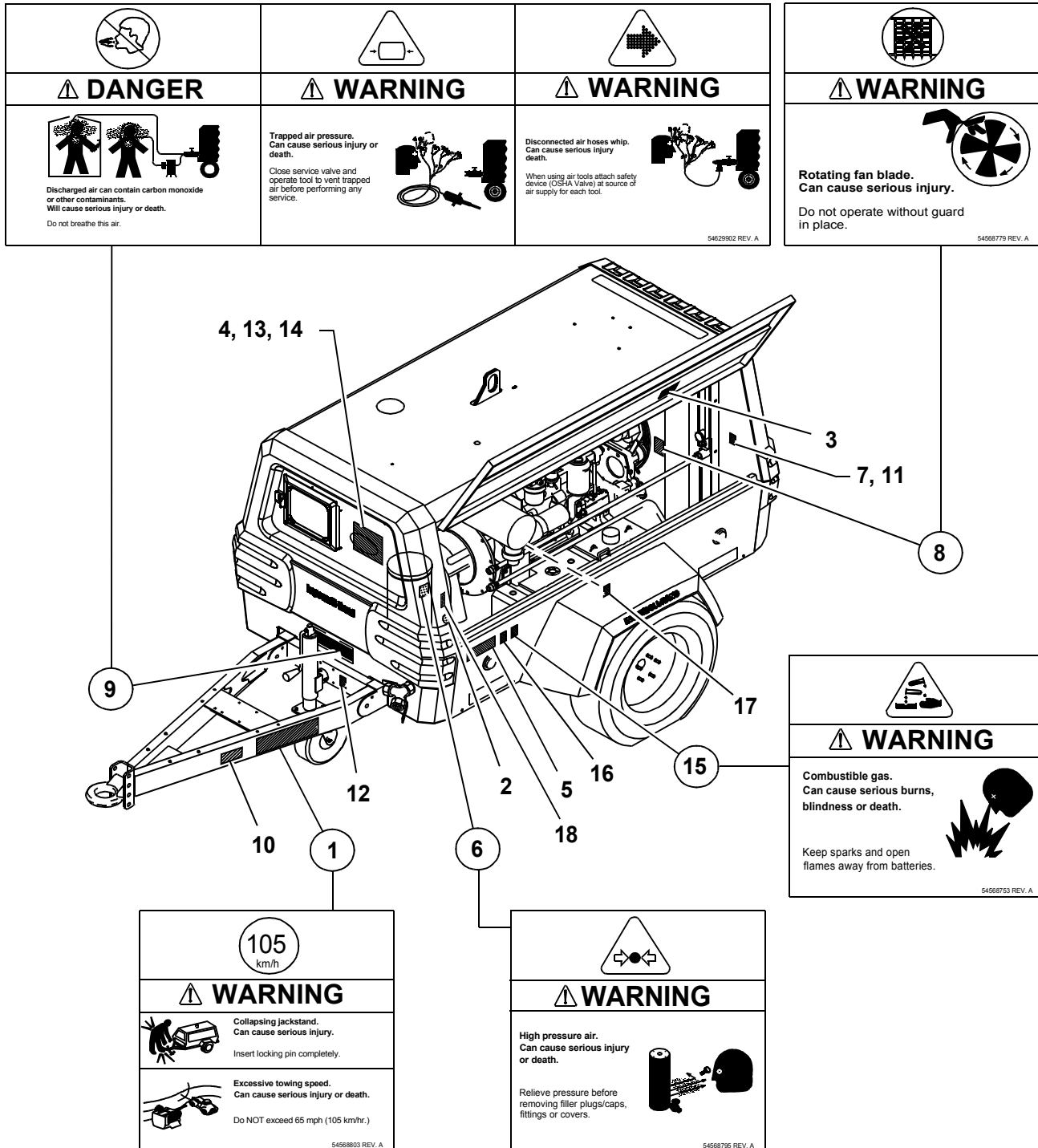
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46492575	Decal, IR Logo 34"	1	
2	46546149	Decal, P185 Model Number	1	
3	46492492	Decal, 12.25" Stacked IR Logo	1	
4	46497400	Decal, 8" Doosan	1	

DECAL LOCATION -- CRBSD



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54568787	Improper Operation	1	
2	54454756	NO Ether	1	
3	54749163	Operating Instructions	1	
4	54604962	Radiator Fill	1	
5	54568779	Rotating Fan Warning	1	
6	54568761	Hot Pressurized Fluid Warning	1	
7	54640016	Decal, Engine & Compressor Oil	1	

DECAL LOCATION -- STSD

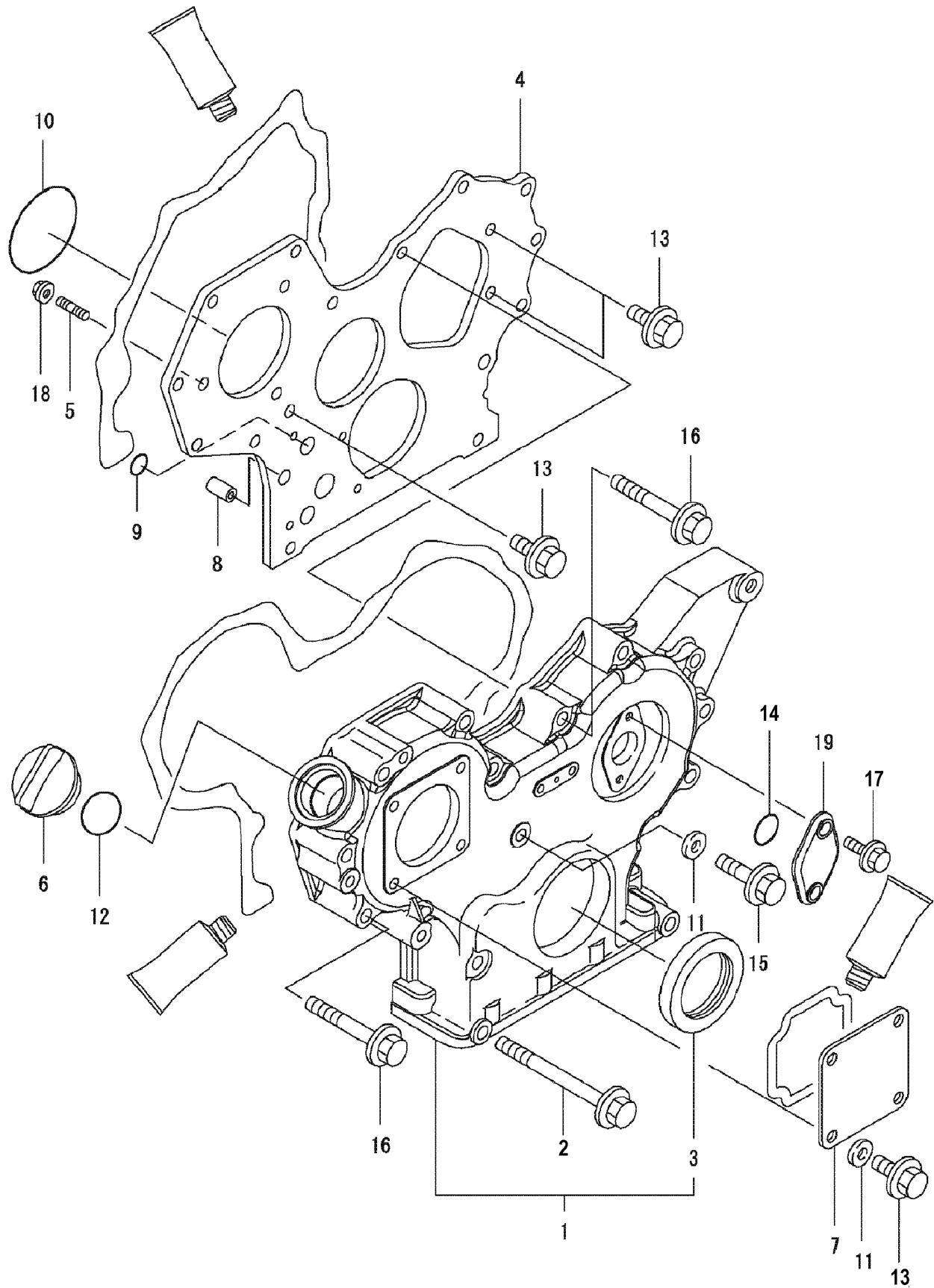


ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	54568803	2-Part Drawbar Warning	1	
2	54604970	Oil Fill	1	
3	23321961	Diesel Fuel	1	
4	46553435	Card Set	1	
5	23241045	V. I. N.	1	
6	54568795	High Pressure Warning	1	
7	23230857	Serial Number Plate	1	
8	54568779	Rotating Fan Warning	1	
9	54629902	3-Part Danger/Warning	1	
10	54604921	Tow Chains Notice	1	
11	36794816	Rivet, 3/16" X 1/8"	2	
12	36514602	EPA Noise	1	
13	23233059	Binder, 3 Ring	1	
14	22068282	Screw, Tapping M04 X 25	2	
15	54568753	Battery Gas Warning	1	
16	22743736	Decal, Tire Load	1	
17	54454756	NO Ether	1	
18	54640016	Decal, Engine & Compressor Oil	1	



Section C - ENGINE PARTS

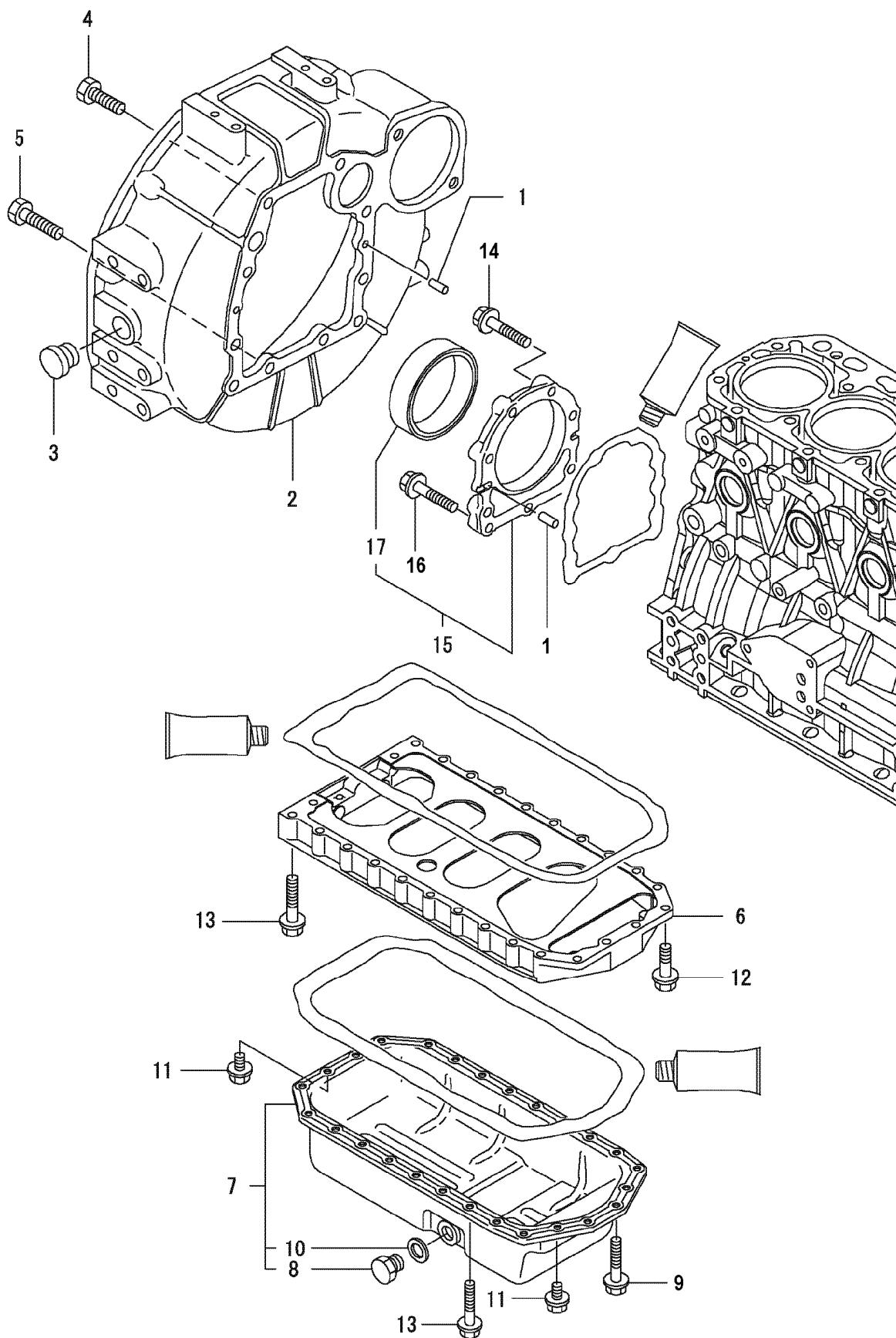
GEAR CASE



46553433_05/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	23277452	Assembly, Gear Case	1	
2	15896194	Bolt, M 8 X 85 Plated	3	
3	23277460	Seal, Front Oil	1	
4	46554991	Flange, Gear Case	1	
5	15897226	Stud, M8 X 25	3	
6	15898182	Cap, Oil Filler	1	
7	15898232	Cover, Fuel Pump	1	
8	15898760	Pipe, Knock L=18	2	
9	15897119	O-Ring P16	2	
10	15898133	O-Ring, F.I. Pump	1	
11	15898851	Washer, 8S Seal	5	
12	15898984	O-Ring 1A P-32.0	1	
13	15899065	Bolt, M08 X 16 Plated	7	
14	15898992	O-Ring 1A S-24.0	1	
15	15899099	Bolt, M08 X 30 Plated	1	
16	15899149	Bolt, M08 X 55 Plated	12	
17	15899024	Bolt, M06 X 16 Plated	2	
18	15899198	Nut, Hex Flange M08-1.25	3	
19	23277478	Cover, Blind	1	

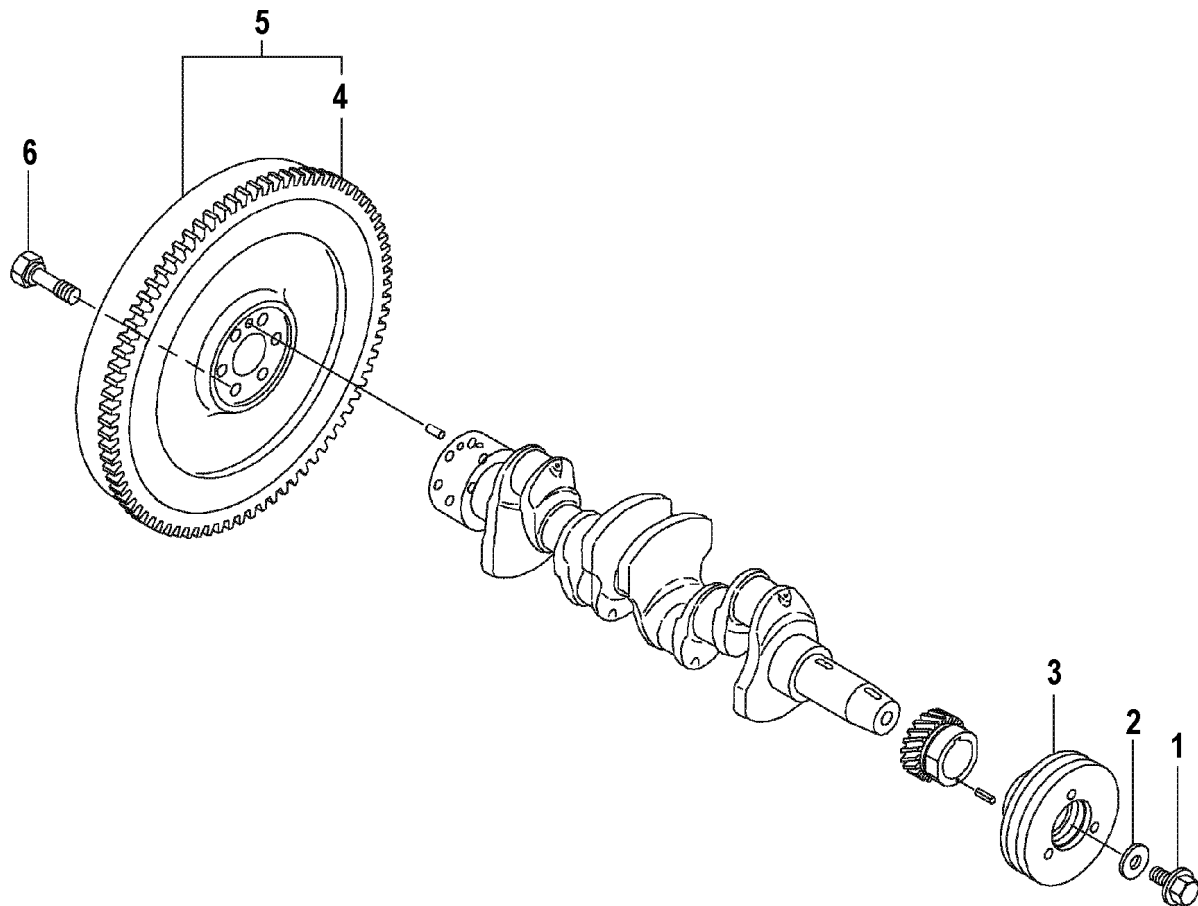
FLYWHEEL HOUSING and OIL PAN



46553433_05/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15898364	Pin, 8 X 16 Dowel	4	
2	15895063	Housing, Flywheel	1	
3	15899362	Cap, Flywheel Cover	1	
4	15899180	Bolt, M10 X 25	6	
5	15895113	Bolt, M10 X 30	4	
6	15895212	Spacer, Oil Sump	1	
7	22291363	Pan Assembly, Oil	1	
8	15897184	Plug, M22 Drain	1	
9	15899131	Bolt, M08 X 50 Plated	4	
10	15898877	Washer, 22S Seal	1	
11	15899065	Bolt, M08 X 16 Plated	4	
12	15899081	Bolt, M08X 25 Plated	2	
13	15899123	Bolt, M08 X 45 Plated	20	
14	15898661	Bolt, Collar Head M08 X 30	6	
15	15898372	Case Assembly, Oil Seal	1	
16	15899107	Bolt, M08 X 35 Plated	3	
17	15898737	Seal, Oil	1	

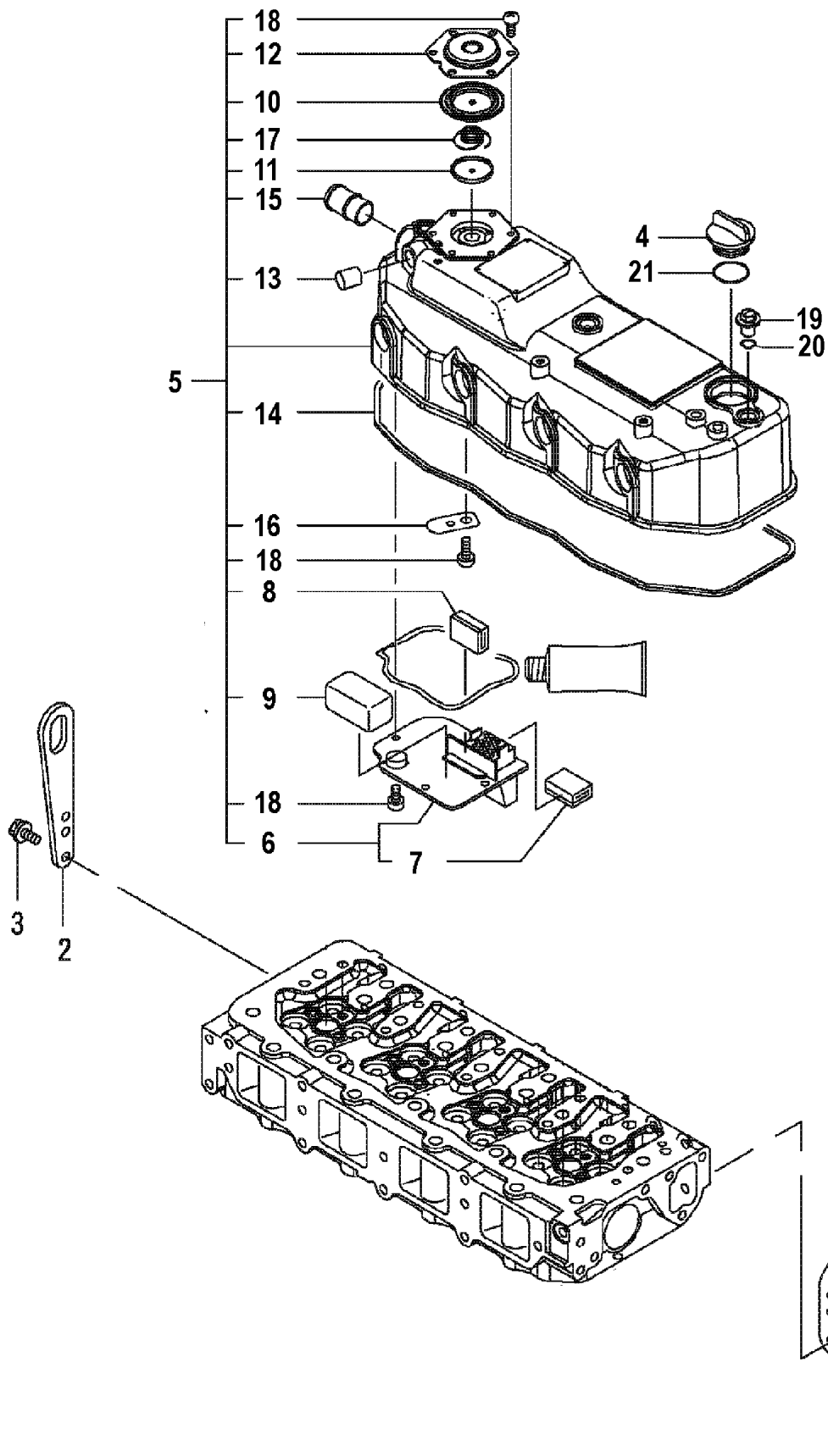
FLYWHEEL and CRANKSHAFT PULLEY



46553433_05/10_A

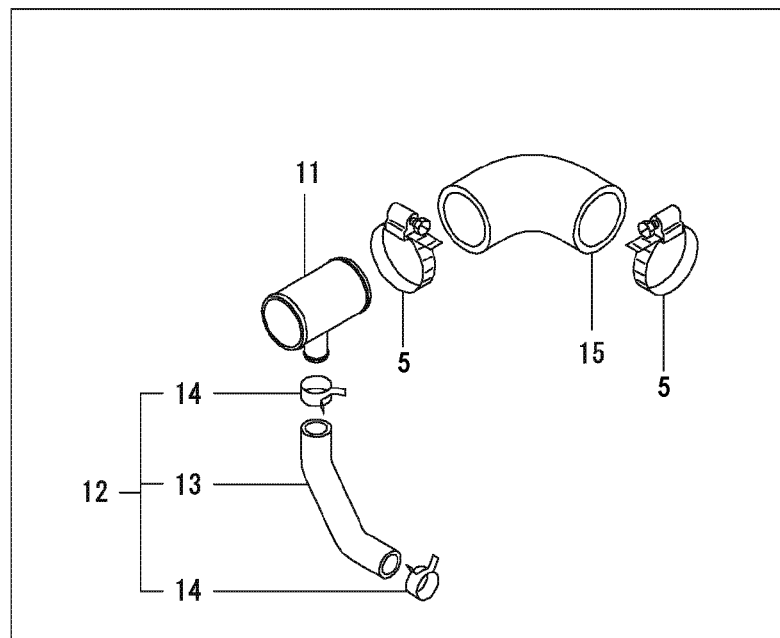
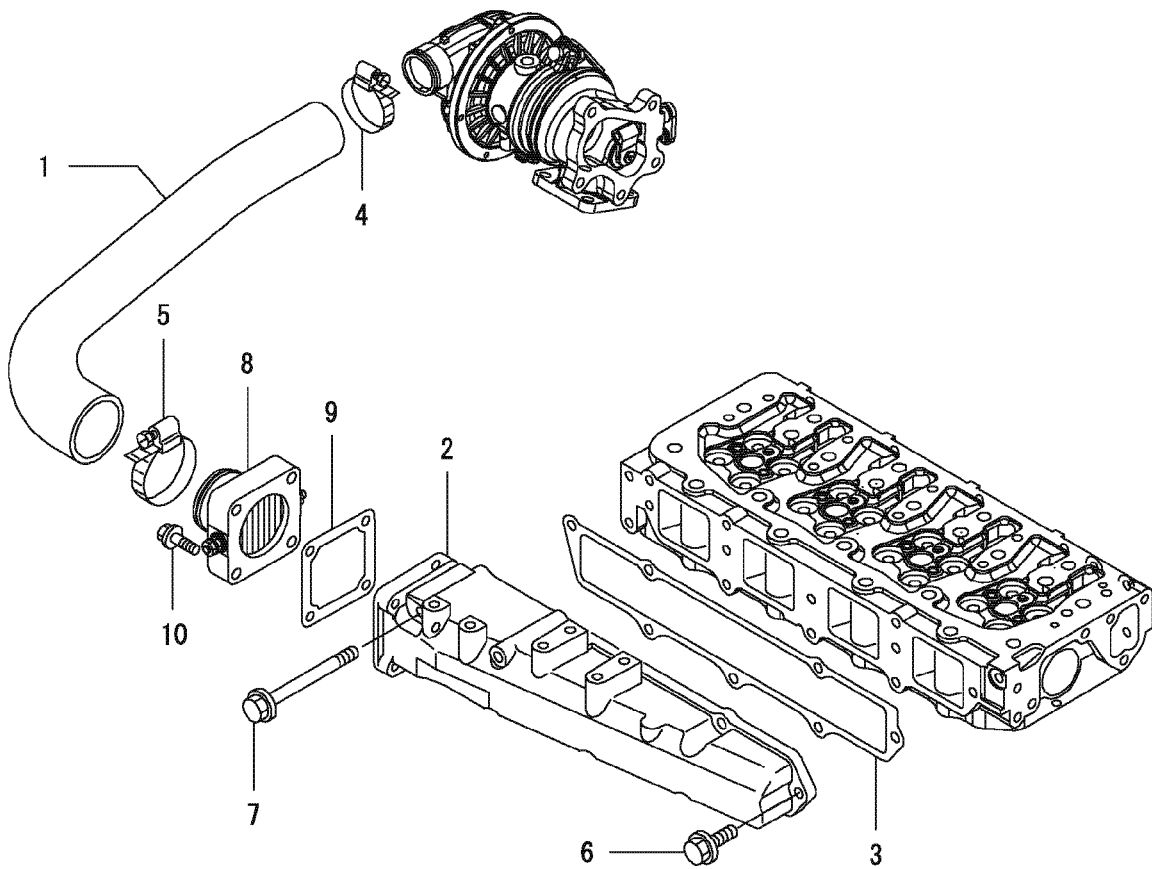
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15898125	Bolt, V-Pulley	1	
2	15898786	Washer	1	
3	46555515	V-Pulley, Crankshaft	1	
4	15898257	Gear, Ring	1	
5	46555516	Assembly, Flywheel	1	
6	15898091	Bolt, Flywheel	6	

VALVE COVER



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46554992	Lifter, Engine	1	
2	15898802	Lifter, Engine	1	
3	15899065	Bolt, M08 X 16 Plated	4	
4	15898182	Cap, Oil Filler	1	
5	46554993	Cover Assembly, Valve	1	
6	46554994	Plate, Baffle	1	
7	46554995	Baffle, Breather	1	
8	15898430	Baffle, Breather	1	
9	15896095	Baffle, Breather	1	
10	15896103	Diaphragm, Breather	1	
11	15896111	Plate, Center	1	
12	15896129	Plate, Breather	1	
13	15896137	Spring, Diaphragm	1	
14	46554997	Gasket, Valve Cover	1	
15	15898307	Hose, Breather	1	
16	46554998	Spring, Plate	1	
17	15896152	Plug	1	
18	15898919	Screw, M05 X 10 Tapping	11	
19	15898216	Knob	3	
20	15898968	O-Ring, 1A P 12.0	3	
21	15898984	O-Ring, 1A P-32.0	1	

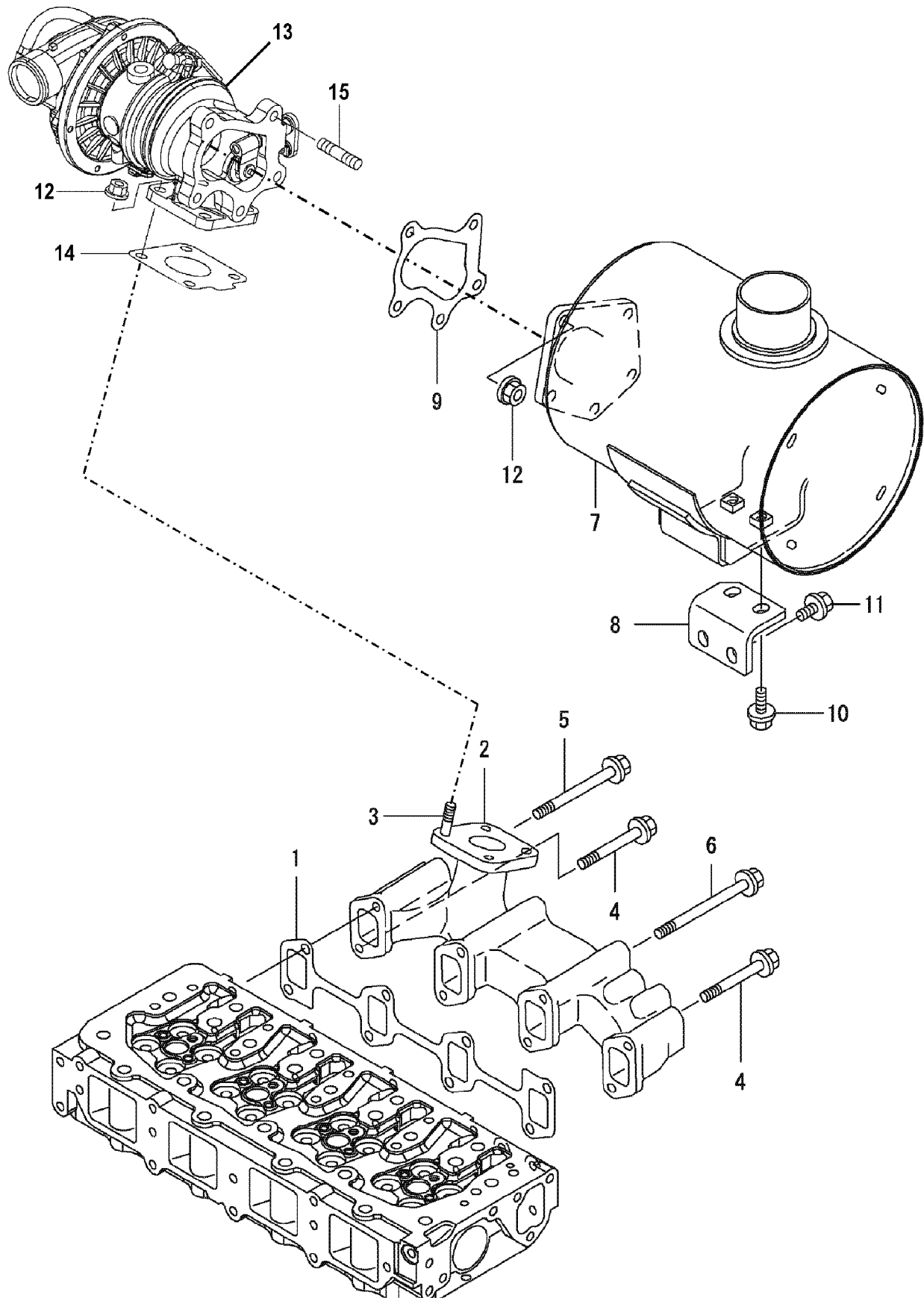
INTAKE MANIFOLD and HEATER



46553433_05/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46554999	Hose, Intake	1	
2	46555500	Manifold, Air Intake	1	
3	46555501	Gasket, Manifold	1	
4	46555502	Clamp, 48	1	
5	46555503	Clamp, 60	3	
6	15899073	Bolt, M08 X 20 Plated	5	
7	15899156	Bolt, M08 X 80 Plated	2	
8	15899842	Heater, Air	1	
9	15898562	Gasket, Intake Air Heater	1	
10	15899107	Bolt, M08 X 35 Plated	4	
11	46555504	Joint, Breather	1	
12	46554996	Hose Assembly, Breather	1	
13	46555558	Hose, Breather	1	
14	15898638	Clamp, 22	2	
15	46555505	Hose, Air Intake	1	

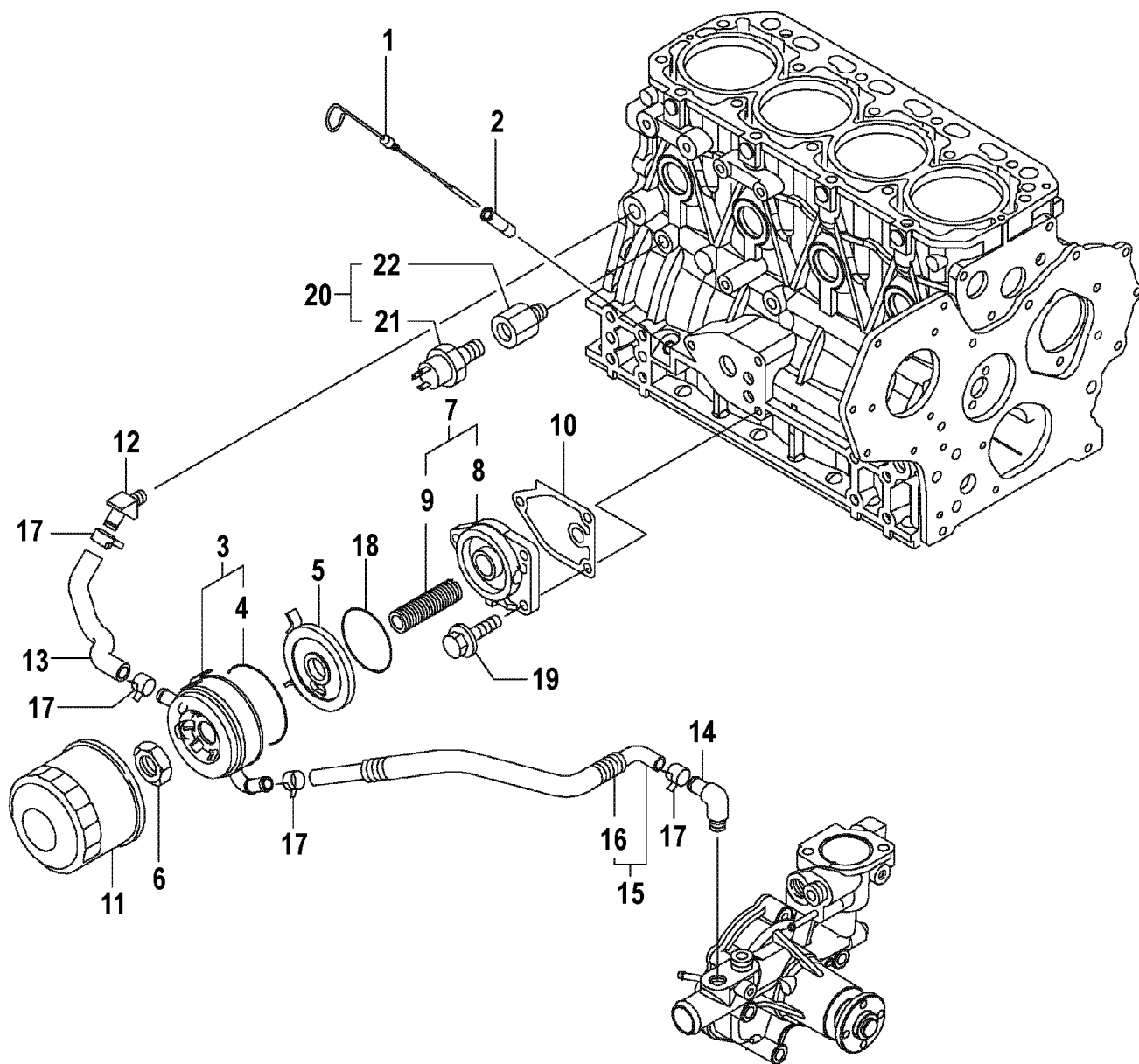
EXHAUST MANIFOLD, TURBO and MUFFLER



46553433_05/10_A

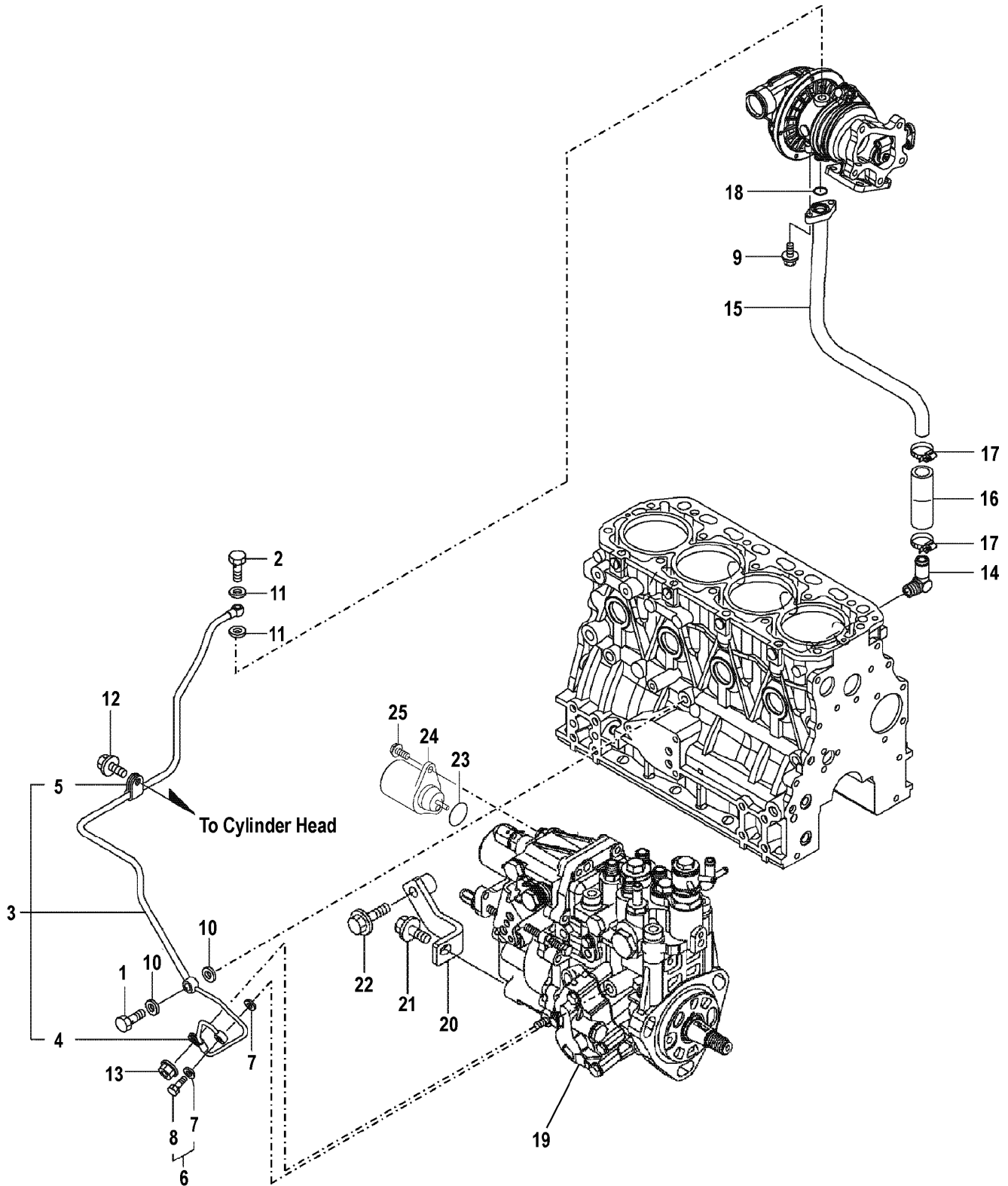
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15895311	Gasket, Exhaust Manifold	1	
2	46555506	Manifold, Exhaust	1	
3	15897069	Stud, M08 X 22	4	
4	46555507	Bolt, M08 X 65	3	
5	46555508	Bolt, M08 X 85	1	
6	46555509	Bolt, M08 X 100	4	
7	46555510	Muffler	1	
8	46555511	Support, Muffler	1	
9	46555512	Gasket, Turbo to Muffler	1	
10	15899073	Bolt, M08 X 20 Plated	2	
11	15899057	Bolt, M08 X 14 Plated	2	
12	15899198	Nut, Hex Flange M08-1.25	8	
13	46555513	Turbocharger	1	
14	46555514	Gasket, Turbo to Manifold	1	
15	16539157	Stud, M8 X 20	5	

OIL FILTER and DIPSTICK



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15899636	Dipstick, Lubricating Oil	1	
2	15898117	Guide, Dipstick	1	
3	46555517	Cooler Assembly, Oil	1	
4	23286222	O-Ring	1	
5	46555518	Bracket, Oil Cooler	1	
6	46555519	Nut, Oil Cooler	1	
7	46555520	Bracket Assembly, Oil Filter	1	
8	15897622	Bracket, Oil Filter	1	
9	46555521	Stud	1	
10	15898513	Gasket, Oil Filter	1	
11	22226351	Element, Engine Oil Filter	1	
12	46555522	Joint, PT1/4	1	
13	46555523	Pipe, Cooling Water	1	
14	46555524	Elbow, PT1/4	1	
15	16539066	Pipe Assembly, Oil Cooler to Water Pump	1	
16	16539074	Tube, Oil Cooler to Water Pump Pipe	1	
17	16539603	Clamp, Hose 25	4	
18	16539637	O-Ring 1A G-60.0	1	
19	15899073	Bolt, M08 X 20 Plated	3	
20	16538985	Switch Assembly, Oil Pressure & Adapter	1	
21	54757935	Switch, Oil Pressure	1	
22	16538951	Adapter, Oil Pressure Switch	1	

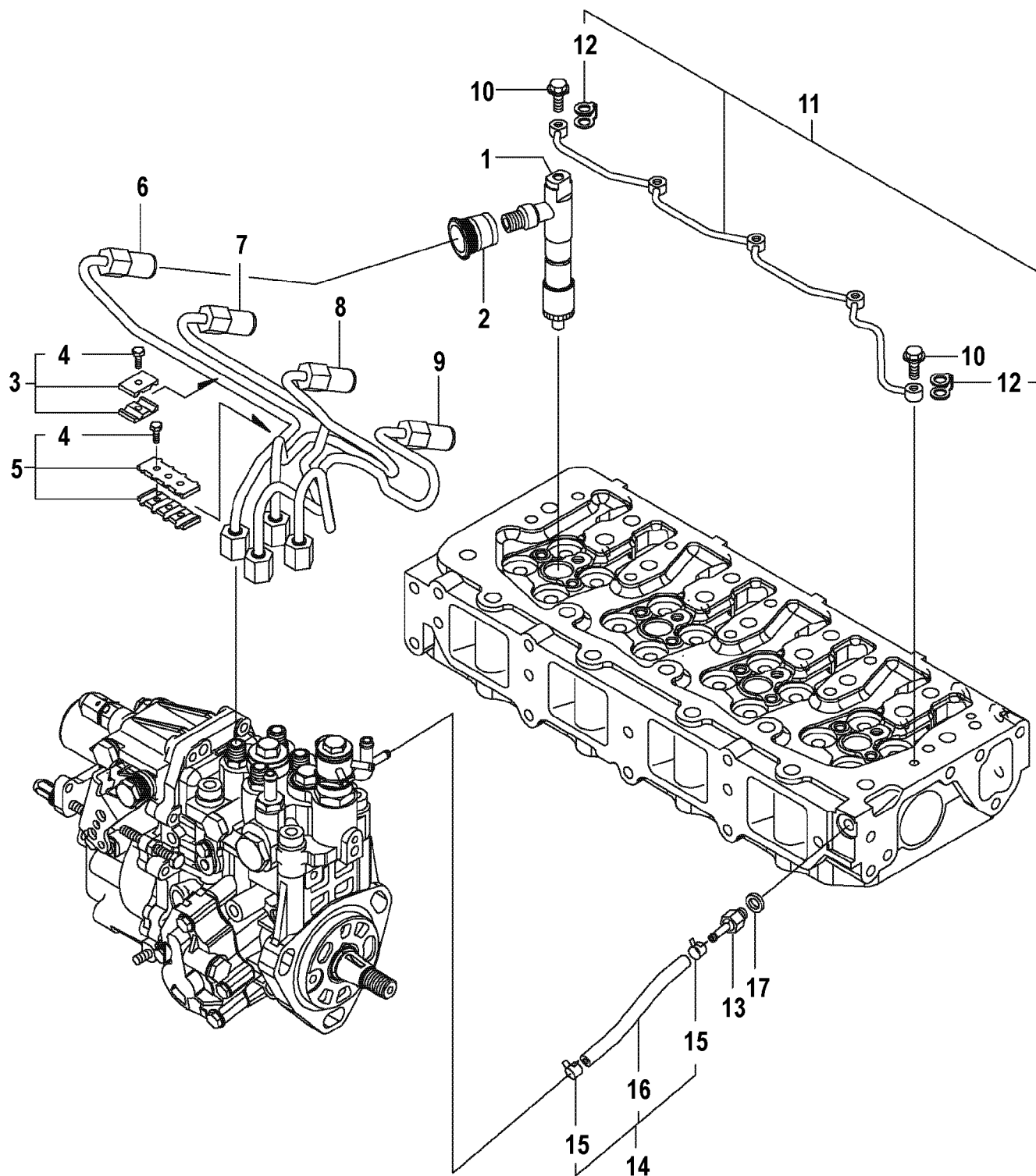
INJECTION PUMP and OIL LINES



46553433_05/10_A

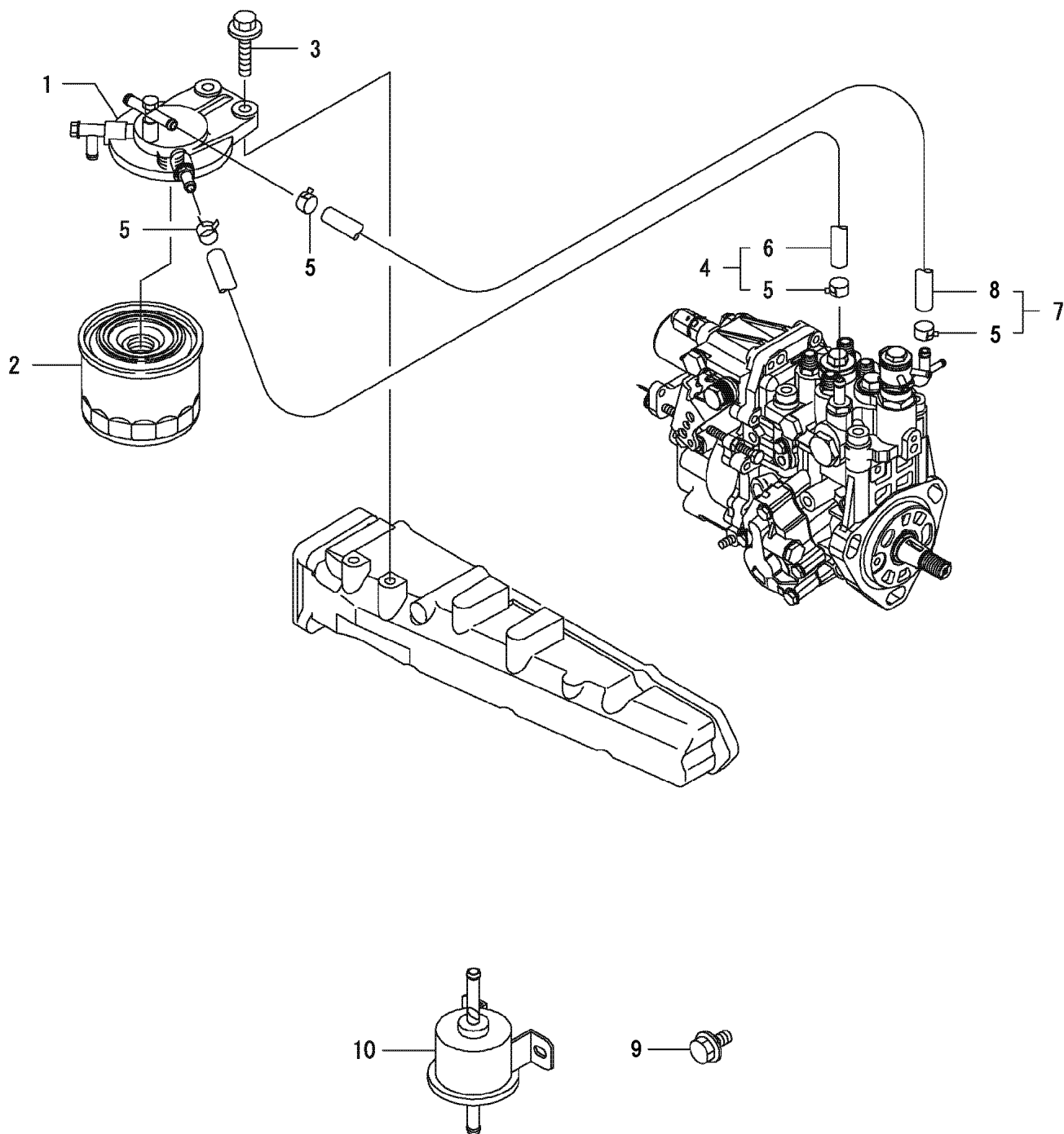
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15898224	Bolt 10, Pipe Joint	1	
2	16539009	Bolt, Pipe Joint	1	
3	46555525	Pipe Assembly, Oil	1	
4	46555526	Retainer, Pipe	1	
5	16539124	Clamp, Tube Support	1	
6	15898356	Bolt Assembly, Joint	1	
7	15898851	Washer, 8S Seal	2	
8	15898935	Bolt, Joint 3	1	
9	15899024	Bolt, M06 X 16 Plated	2	
10	158988869	Washer, 10S Seal	2	
11	16539629	Gasket, Round M10	2	
12	15899040	Bolt, M08 X 12 Plated	1	
13	15899214	Nut, Hex M06-1.0	1	
14	16539116	Elbow, 3/8" NPT	1	
15	46555527	Pipe, Oil Return	1	
16	16539041	Hose, Turbocharger Oil Drain	1	
17	16539603	Clamp, Hose 25	2	
18	46555528	O-Ring, 4D P-16.0	1	
19	46555529	Pump, Injection	1	
20	46555530	Retainer, Pump		
21	15899073	Bolt, M08 X 20 Plated	1	
22	15899099	Bolt, M08 X 30 Plated	1	
23	46555537	O-Ring		
24	46555538	Solenoid, Stop	1	
25	15899016	Bolt, M06 X 14 Plated	2	

FUEL INJECTION VALVE



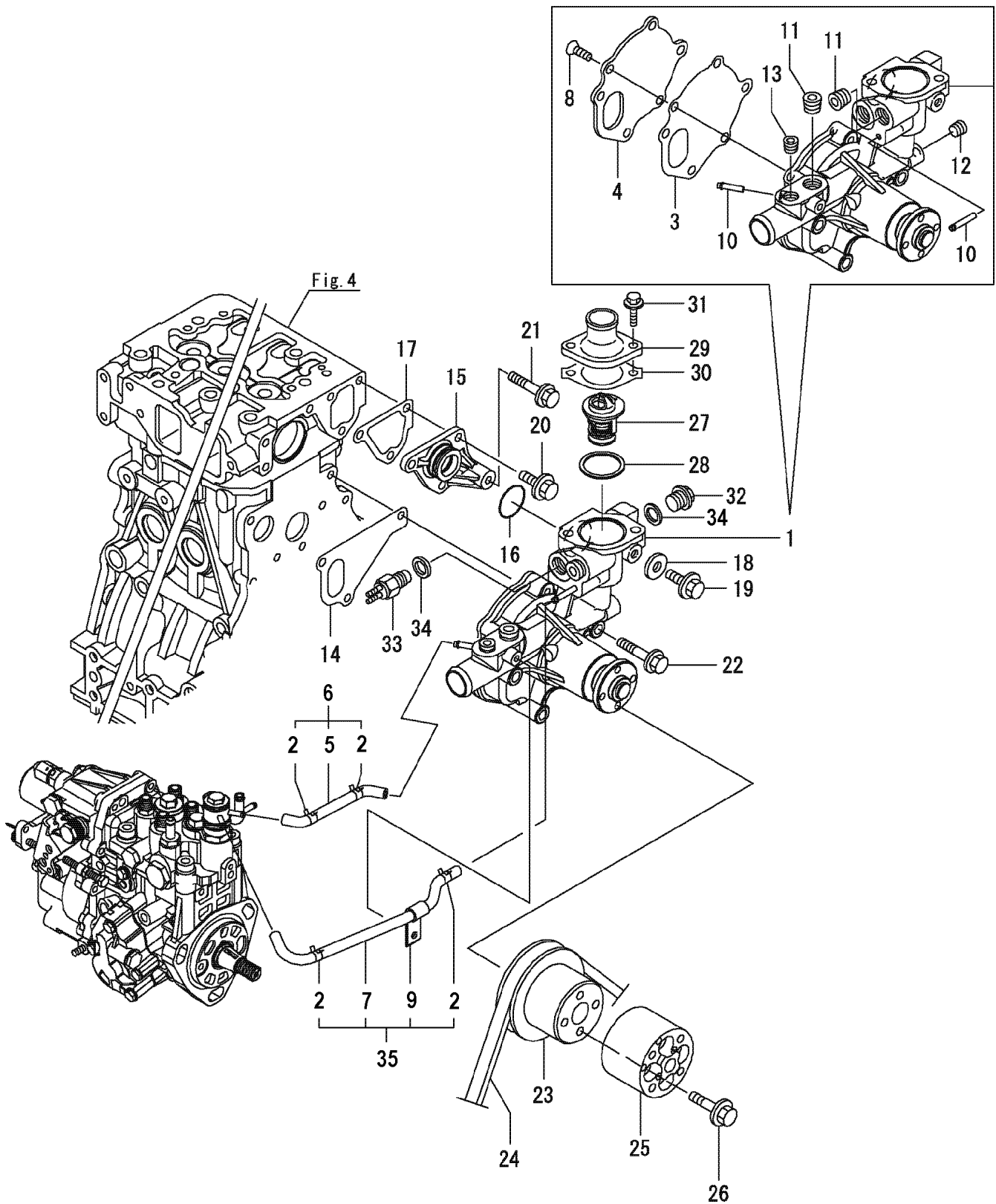
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46555539	Valve Assembly, Fuel Injection	4	
2	15896897	Seal, Pipe	4	
3	15897093	Retainer Assembly, 2 Tube	2	
4	15898554	Bolt, Hex Socket Head M4 X 14	4	
5	15895428	Retainer Assembly, 4 Injector Pipe	2	
6	46555540	Pipe Assembly, #4 Injection	1	
7	46555541	Pipe Assembly, #3 Injection	1	
8	46555542	Pipe Assembly, #2 Injection	1	
9	46555543	Pipe Assembly, #1 Injection	1	
10	15894744	Bolt, M6 Joint	5	
11	46555544	Pipe Assembly, Return	1	
12	15894751	Packing, Fuel Return	5	
13	15894769	Fitting, 4 Hose	1	
14	46555545	Pipe Assembly, Return	1	
15	15898265	Clamp, 9 Hose	2	
16	46555546	Pipe, Fuel Return	1	
17	15898851	Washer, 8S Seal	1	

FUEL FILTER



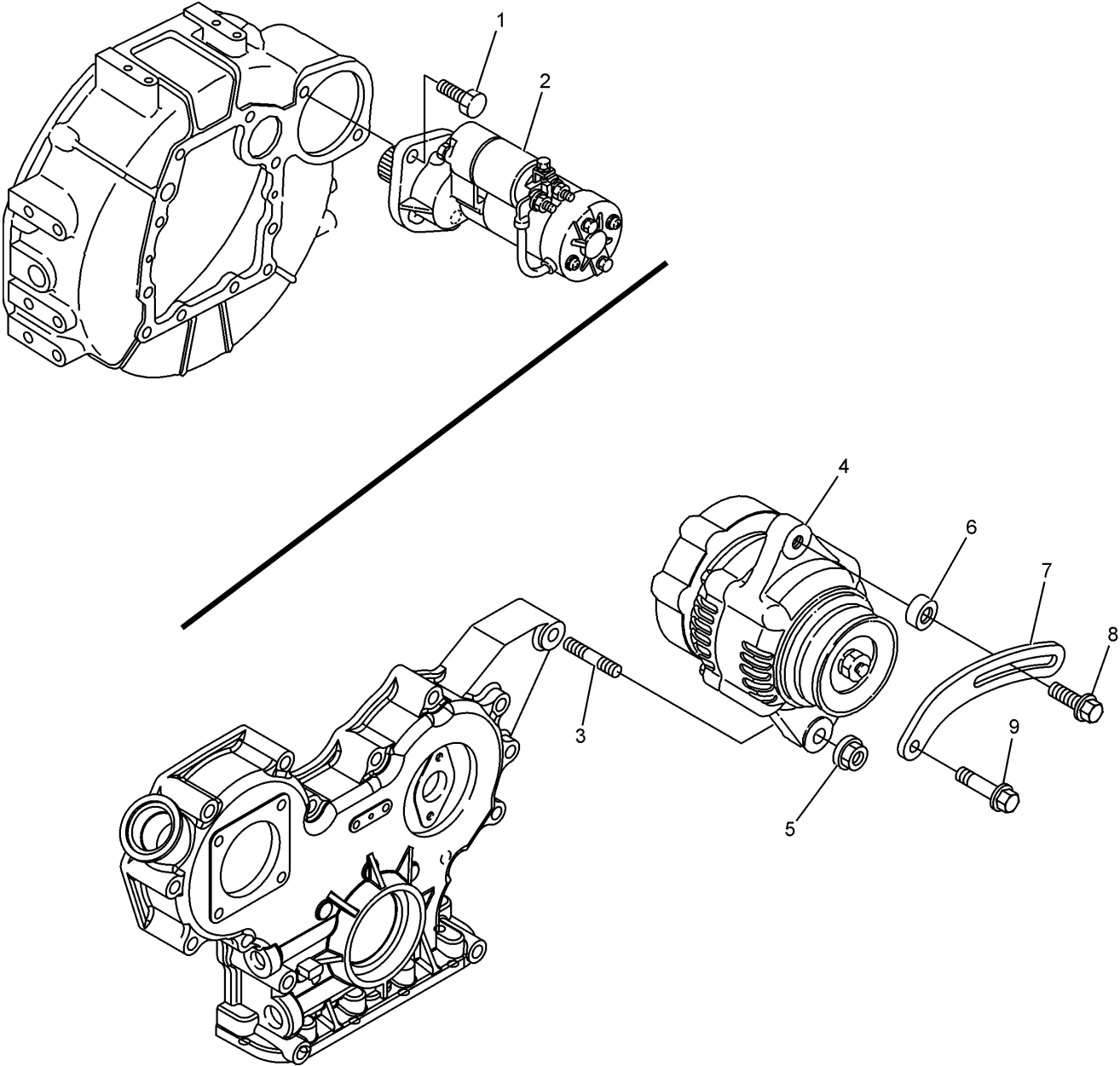
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	15898349	Head, Fuel Filter	1	
2	22226369	Element, Fuel Filte	1	
3	15899099	Bolt, M08 X 30 Plated	2	
4	46555547	Pipe Assembly, Fuel	1	
5	15898273	Clamp, 12	4	
6	23277585	Pipe, Fuel Oil	1	
7	46555548	Pipe Assembly, Fuel Oil	1	
8	46555549	Pipe, Fuel Oil	1	
9	15899065	Bolt, M08 X 16 Plated	4	
10	22226385	Pump Assy, Fuel Feed	1	

WATER PUMP and FAN DRIVE



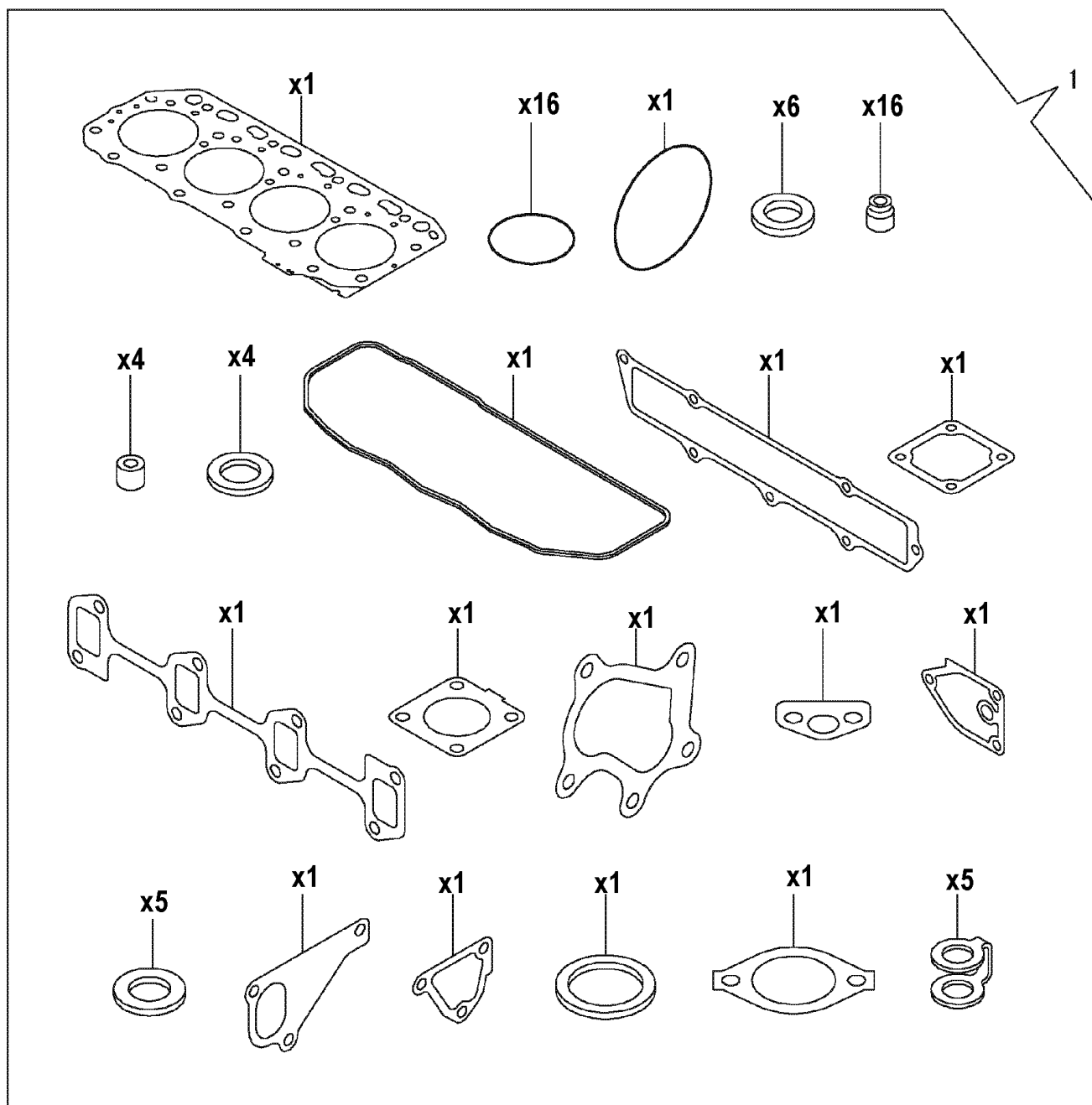
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46555531	Pump Assembly, Water	1	
2	15898265	Clamp, 9 Hose	4	
3	15899826	Gasket, Water Pump	1	
4	15899834	Plate, Water Pump Back	1	
5	15899693	Pipe, Water B MP2	1	
6	15899677	Pipe Assembly, B MP2	1	
7	15899685	Pipe, Water A MP2	1	
8	46555532	Screw, M06-1.0 X 15	3	
9	15897705	Clamp, CW-T	1	
10	15899370	Pipe, Cooling Water	2	
11	23277528	Plug, Drain R03	2	
12	15895089	Plug, NPT1/8	1	
13	46555533	Plug, PT 1/4 Steel	1	
14	15894991	Gasket, Water Pump to Block	1	
15	15899651	Joint, Pump	1	
16	15895006	O-Ring, G30 Water Pump	1	
17	15899446	Gasket, Thermostat Case	1	
18	15898927	Gasket, 8 Round	1	
19	15899040	Bolt, M08 X 12 Plated	1	
20	15899065	Bolt, M08 X 16 Plated	3	
21	15899123	Bolt, M08 X 45 Plated	1	
22	15895105	Bolt, M08 X 60 Plated	3	
23	46555534	V-Pulley, C.W. Pump B	1	
24	46555535	V-Belt	1	
25	22291389	Spacer, Fan 50mm	1	
26	22291439	Bolt, M06 X 55 Plated	4	
27	15898570	Thermostat	1	
28	15898539	Gasket, Thermostat	1	
29	46555536	Cover, Thermostat	1	
30	15898794	Gasket, Thermostat Cover	1	
31	15896830	Bolt, M08 X 22 Plated	2	
32	15898109	Plug, M16	1	
33	15898059	Switch, Water Temperature	1	
34	15898240	Gasket, 16	2	
35	15899669	Pipe Assembly, A MP2	1	

ALTERNATOR and STARTER



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22255558	Starter Motor	1	
2	15899164	Bolt, M12 X 25 Plated	2	
3	15898752	Stud	1	
4	46555550	Alternator	1	
5	15899206	Nut, Hex Fange M10-1.5	1	
6	23277601	Spacer, Belt Adjuster	1	
7	23277593	Adjuster, Belt	1	
8	46555551	Bolt, Adjuster	1	
9	15899123	Bolt, M08 X 45 Plated	1	

GASKET SET



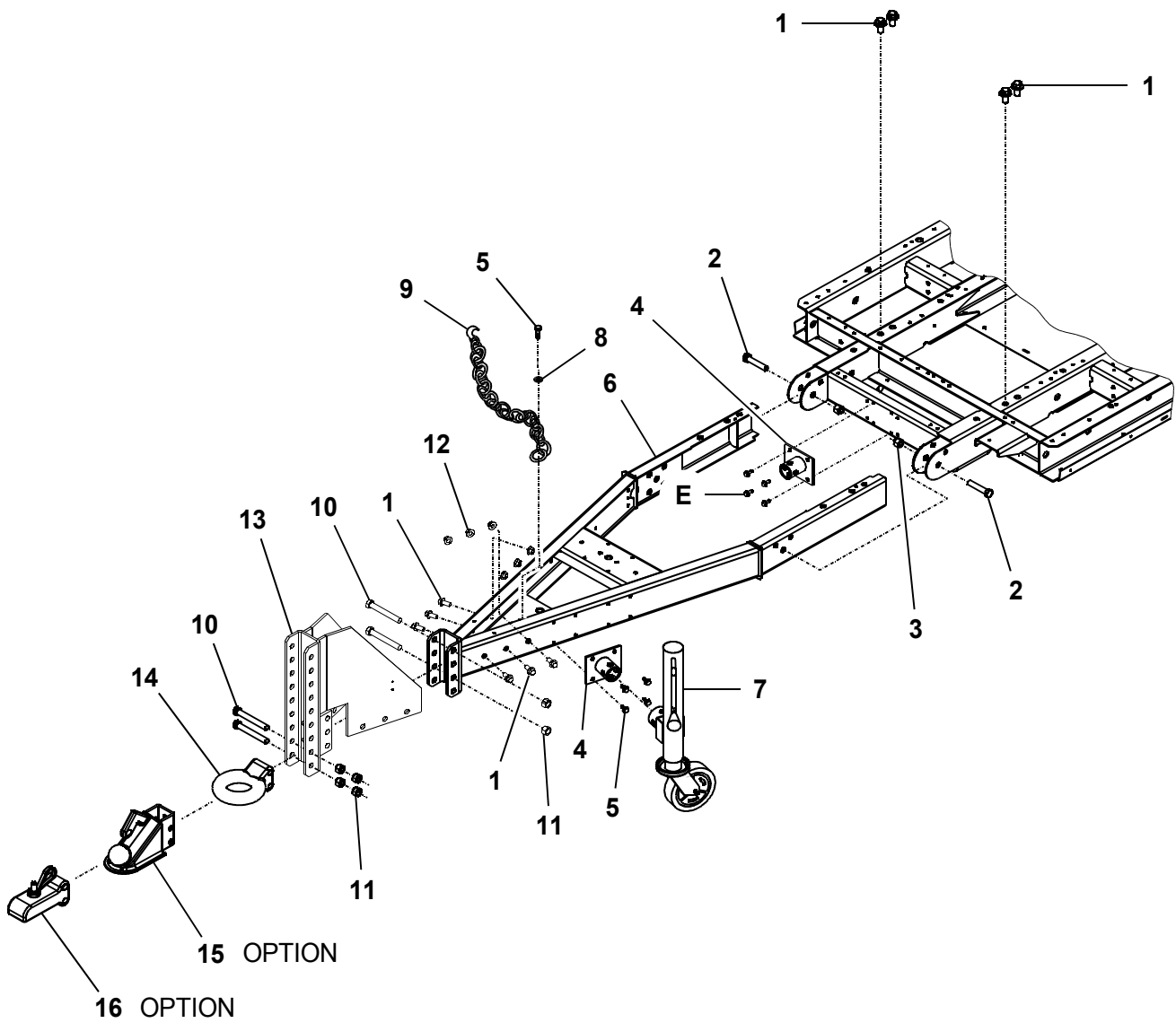
46553433_05/10_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46555552	Gasket Set	1	



Section D - OPTION PARTS

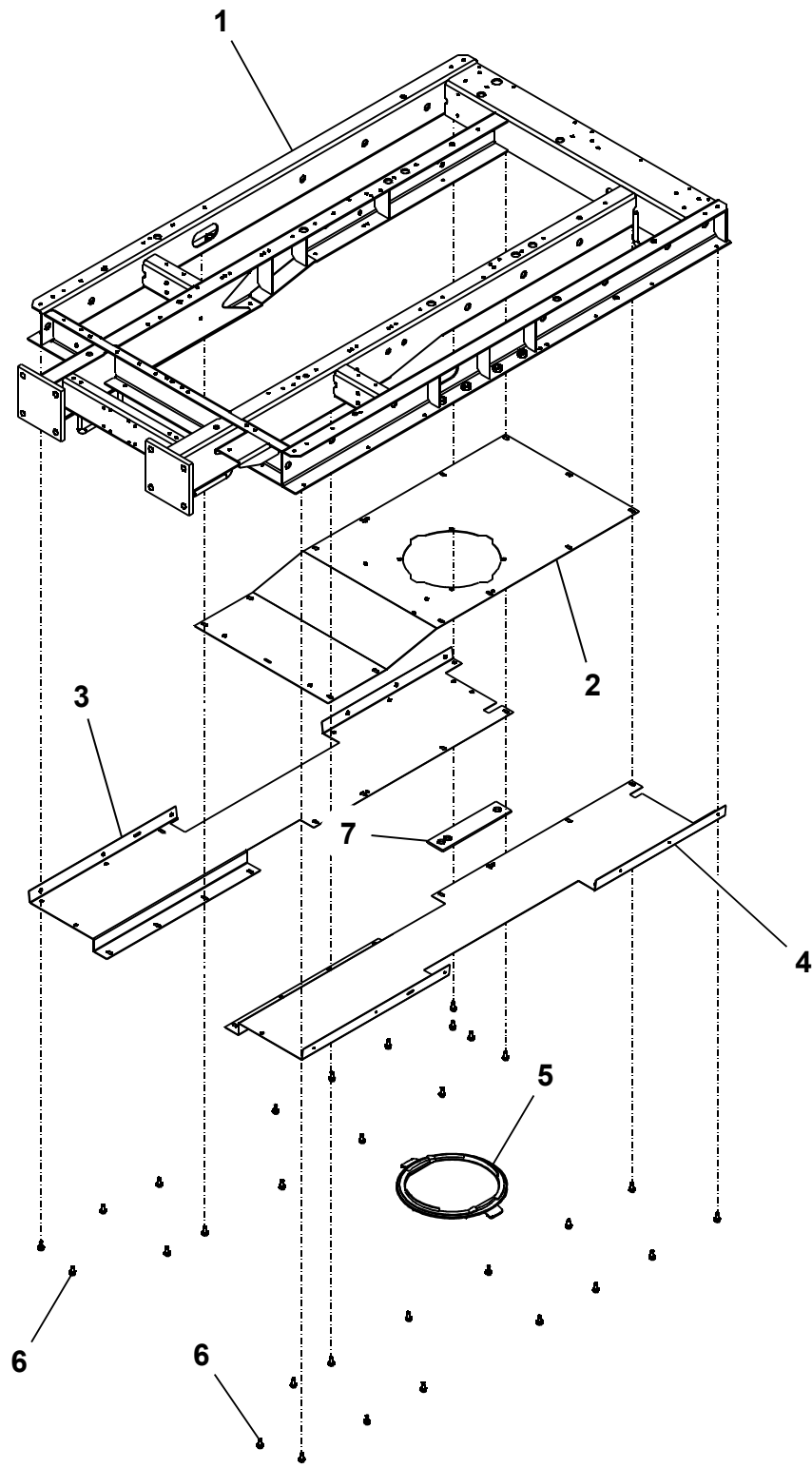
STANDARD DRAWBAR with ADJUSTABLE HEIGHT



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36879492	Screw, Hex Flange M12-1.75 X 25	10	
2	35290113	Screw, Hex M16-2.0 X 75	2	
3	96704630	Nut, Hex Nyloc M16-2.0	2	
4	36796068	Tube, Jack Mounting	2	
5	35279025	Screw, Tapping M08-1.25 X 20	10	
6	36886364SB	Drawbar	1	
7	36888709	Jack Assembly	1	
8	95934907	Washer, Flat	2	
9	22144521	Chain & Hook Assembly	2	
10	35376094	Screw, Hex M16-2.0 X 120	4	
11	96701750	Nut, Hex M16-2.0	6	
12	36879203	Nut, Hex Flange M12-1.75	6	
13	36882660SB	Lunette, Adjustable Height	1	
14	35605187	Eye, Pintel	1	
15	35370469	Hltch, 2.31" Ball (OPTION)	1	
16	36509073	Hltch, 2.00" Ball (OPTION)	1	

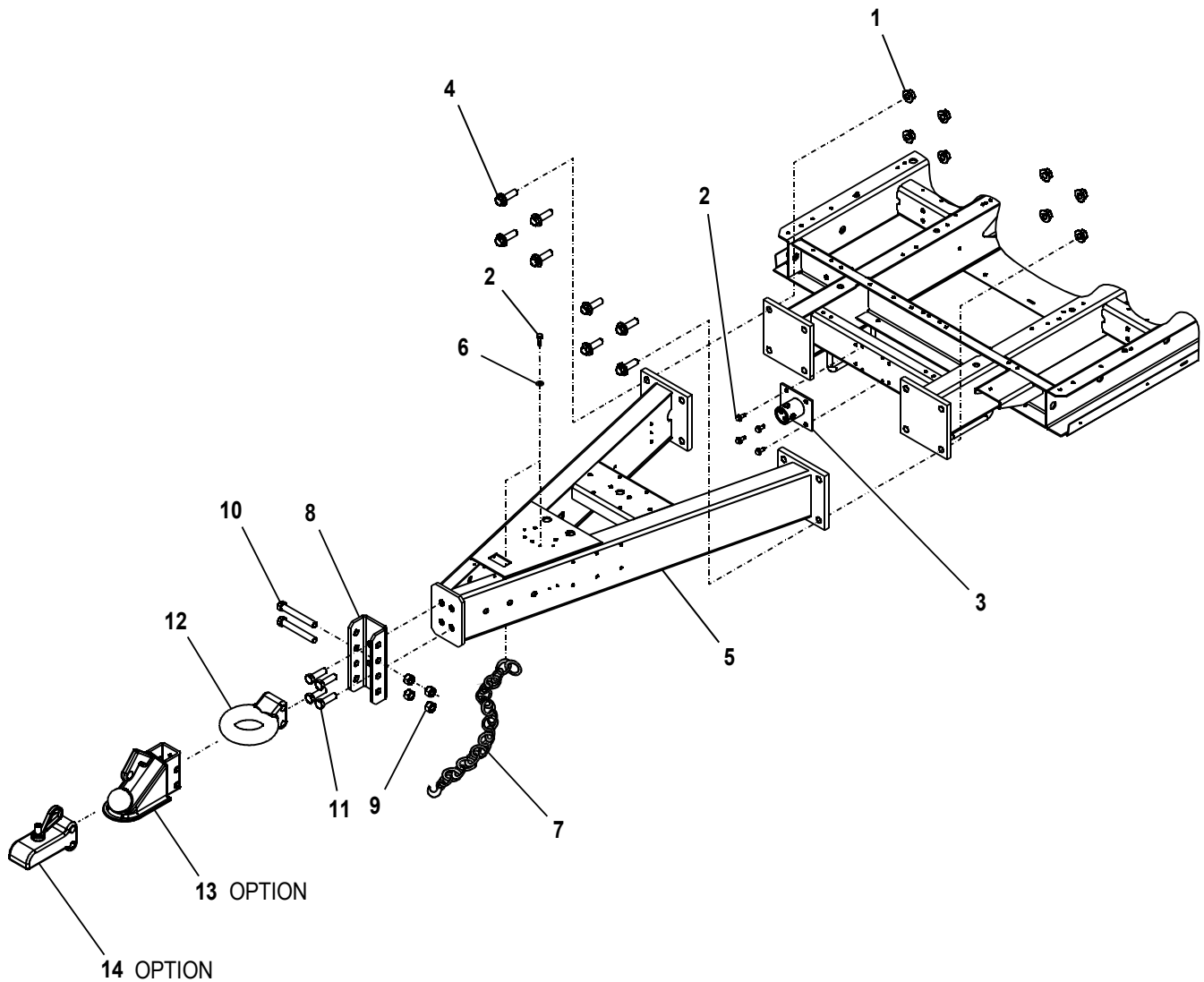
HEAVY DUTY FRAME



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46496758SB	Frame, Heavy Duty	1	
2	46544888GB	Pan, Center Belly	1	
3	46544862GB	Pan, CRBSD Belly	1	
4	46544870GB	Pan, STSD Belly	1	
5	36880623	Cover, Engine Oil Drain	1	
6	35279025	Screw, Tapping M08-1.25 X 20	39	
7	22721195SB	Plate, Spacer	2	

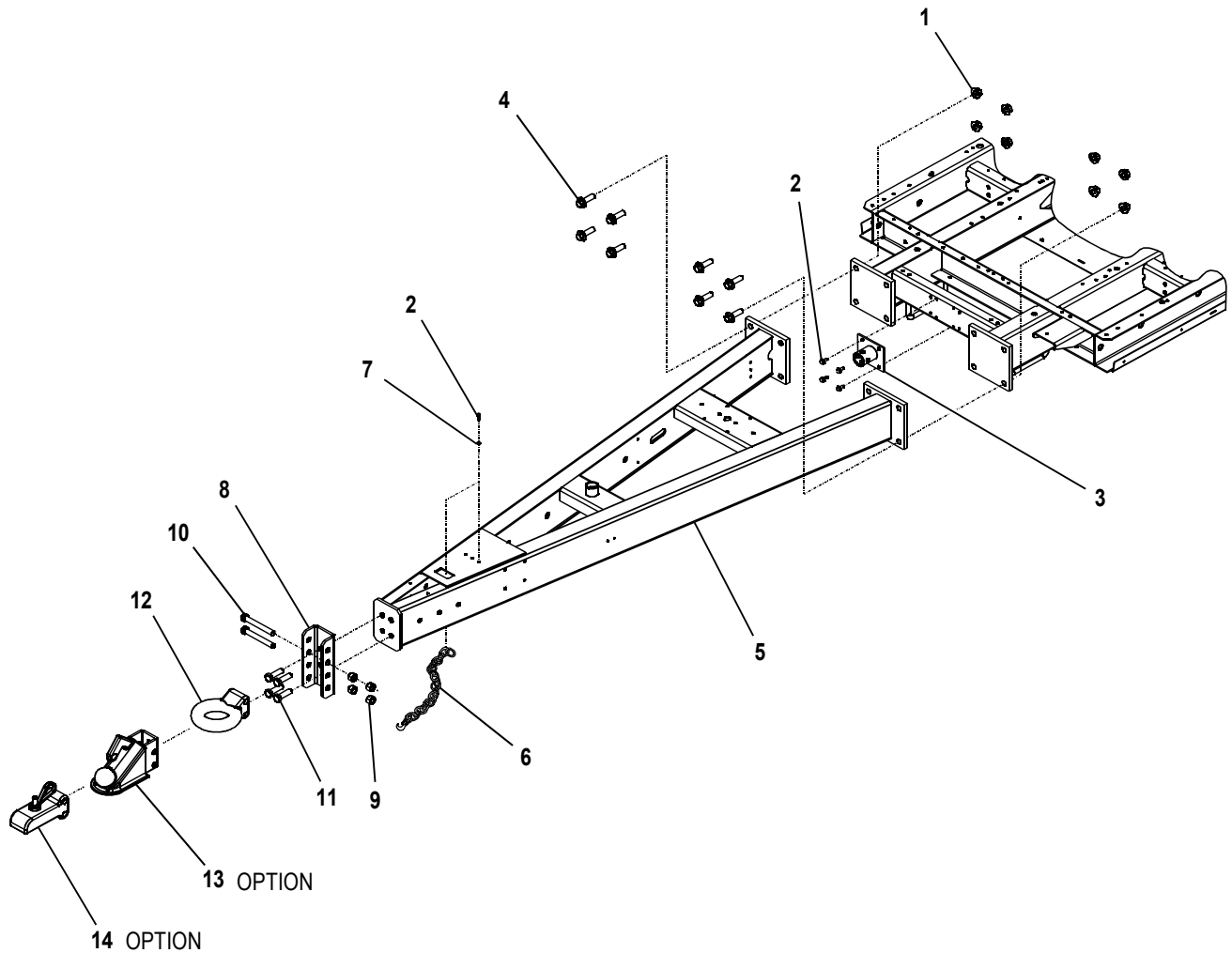
HEAVY DUTY DRAWBAR STANDARD HEIGHT



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36879211	Nut, Hex Flange M16-2.0	8	
2	35279025	Screw, Tapping M08-1.25 X 20	10	
3	36796068	Tube, Jack Mounting	2	
4	36879302	Screw, Hex Flange M16-2.0 X 50	8	
5	23138555SB	Drawbar, Heave Duty Standard Height	1	
6	22144521	Chain & Hook Assembly	2	
7	95934907	Washer, Flat	2	
8	36757284SB	Channel, Pintel Mounting 3 Position	1	
9	96701750	Nut, Hex M16-2.0	6	
10	35376094	Screw, Hex M16-2.0 X 120	4	
11	39179072	Screw, Hex M16 -2.0 X 50	4	
12	35605187	Eye, Pintel	1	
13	35370469	Hltch, 2.31" Ball (OPTION)	1	
14	36509073	Hltch, 2.00" Ball (OPTION)	1	

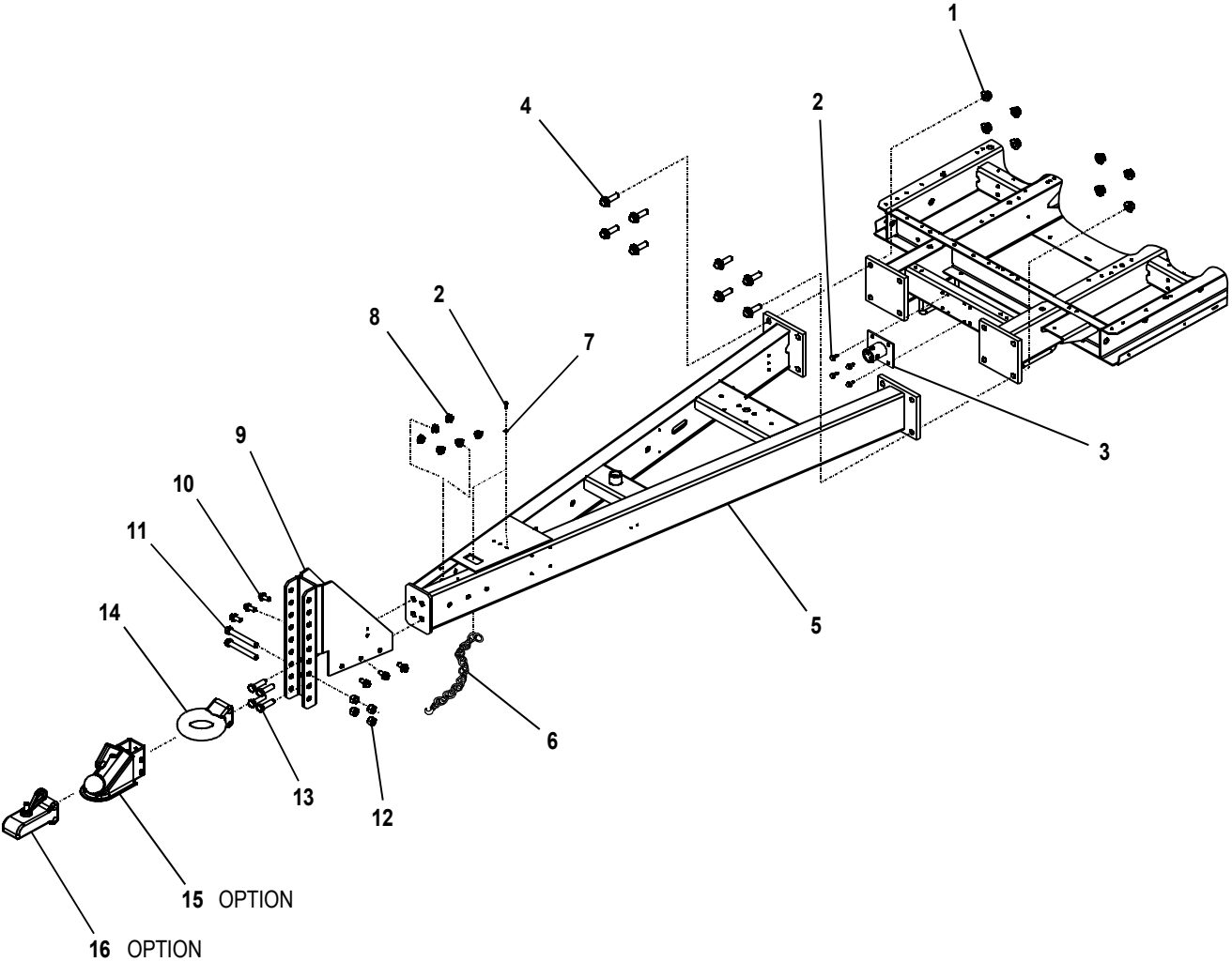
HEAVY DUTY EXTENDED DRAWBAR STANDARD HEIGHT



46490686_07/09_A

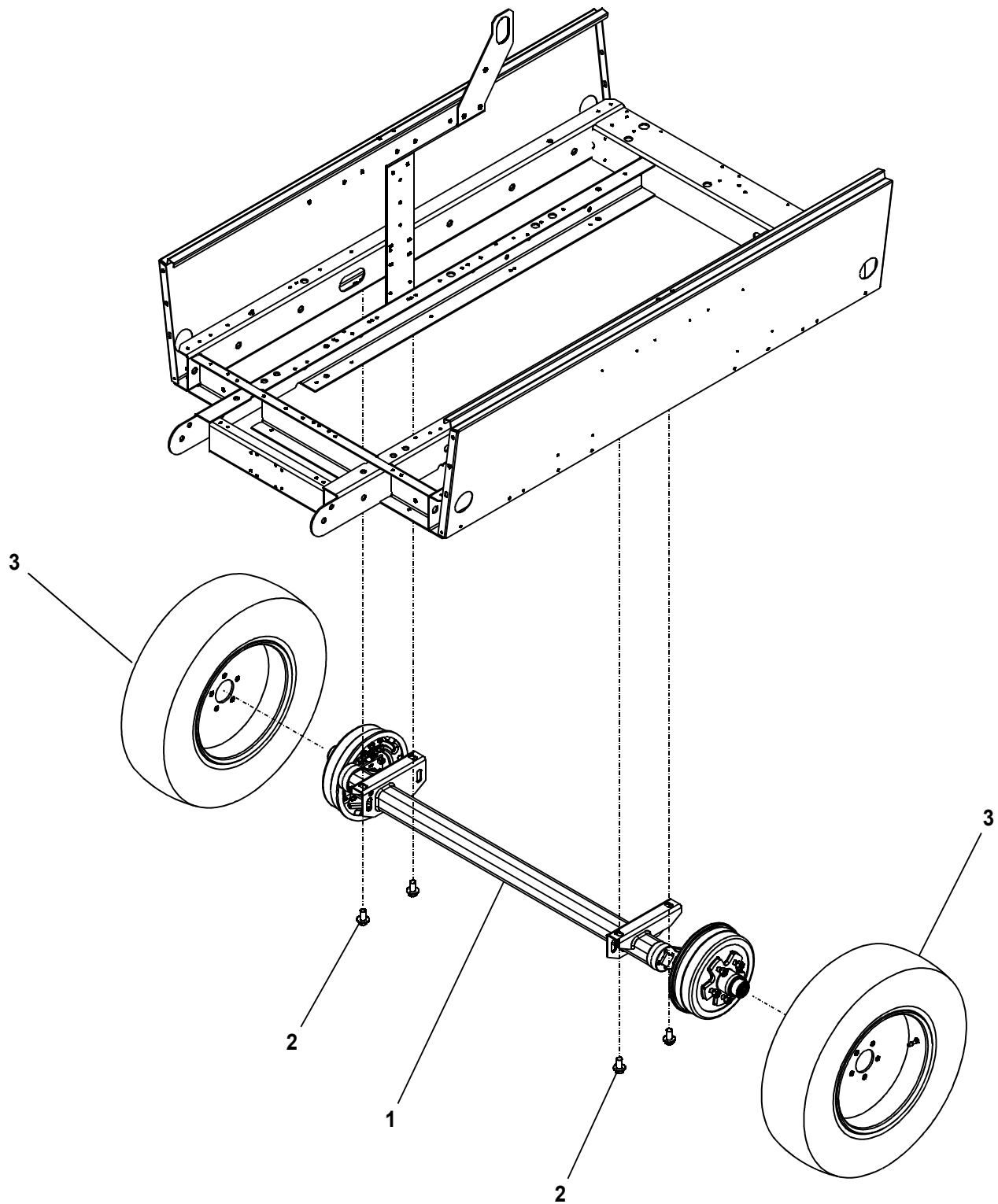
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36879211	Nut, Hex Flange M16-2.0	8	
2	35279025	Screw, Tapping M08-1.25 X 20	10	
3	36796068	Tube, Jack Mounting	2	
4	36879302	Screw, Hex Flange M16-2.0 X 50	8	
5	23138548SB	Drawbar, Heavy Duty Extended Standard Height	1	
6	22144521	Chain & Hook Assembly	2	
7	95934907	Washer, Flat	2	
8	36757284SB	Channel, Pintel Mounting 3 Position	1	
9	96701750	Nut, Hex M16-2.0	6	
10	35376094	Screw, Hex M16-2.0 X 120	4	
11	39179072	Screw, Hex M16 -2.0 X 50	4	
12	35605187	Eye, Pintel	1	
13	35370469	Hltch, 2.31" Ball (OPTION)	1	
14	36509073	Hltch, 2.00" Ball (OPTION)	1	

HEAVY DUTY EXTENDED DRAWBAR ADJUSTABLE HEIGHT



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36879211	Nut, Hex Flange M16-2.0	8	
2	35279025	Screw, Tapping M08-1.25 X 20	10	
3	36796068	Tube, Jack Mounting	2	
4	36879302	Screw, Hex Flange M16-2.0 X 50	8	
5	23138548SB	Drawbar, Heavy Duty Extended Standard Height	1	
6	22144521	Chain & Hook Assembly	2	
7	95934907	Washer, Flat	2	
8	36879203	Nut, Hex Flange M12-1.75	6	
9	36882652SB	Lunette, Adjustable Height	1	
10	36879492	Screw, Hex Flange M12-1.75 X 25	6	
11	35376094	Screw, Hex M16-2.0 X 120	4	
12	96701750	Nut, Hex M16-2.0	6	
13	39179072	Screw, Hex M16 -2.0 X 50	4	
14	35605187	Eye, Pintel	1	
15	35370469	Hltch, 2.31" Ball (OPTION)	1	
16	36509073	Hltch, 2.00" Ball (OPTION)	1	

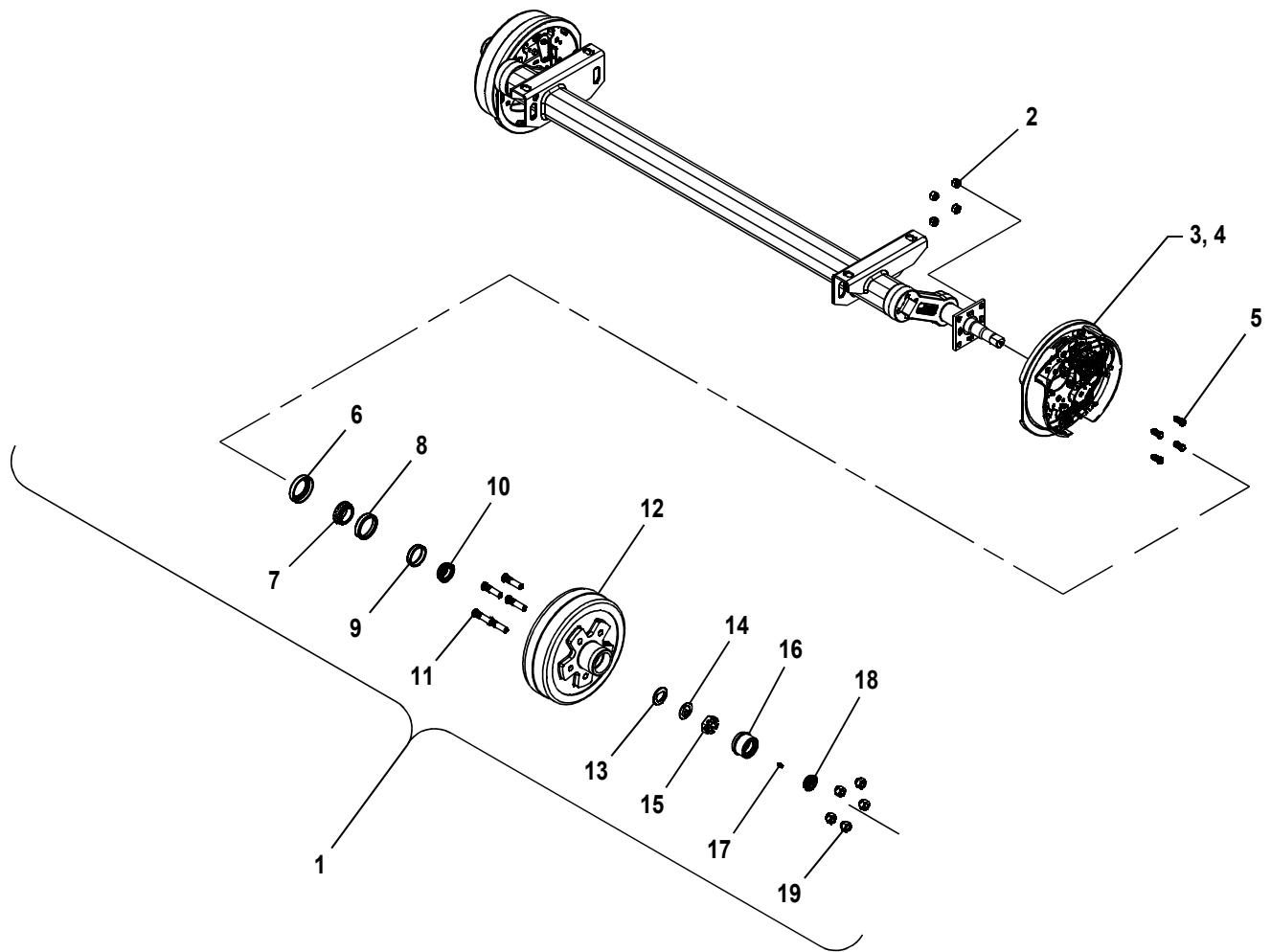
AXLE ELECTRIC BRAKE MOUNT



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22892657	Running Gear, EZ-Lube Electric Brakes	1	
2	96747142	Screw, Hex Flange M16-2.0 X 30	4	
3	36073559	Tire and Wheel, ST205/75D15C	2	
	36074938	Tire and Wheel, ST225/75D15D	2	
	35046275	Tire and Wheel, P215/75R15B	2	
	36043818	Tire and Wheel, ST225/75R15D	2	

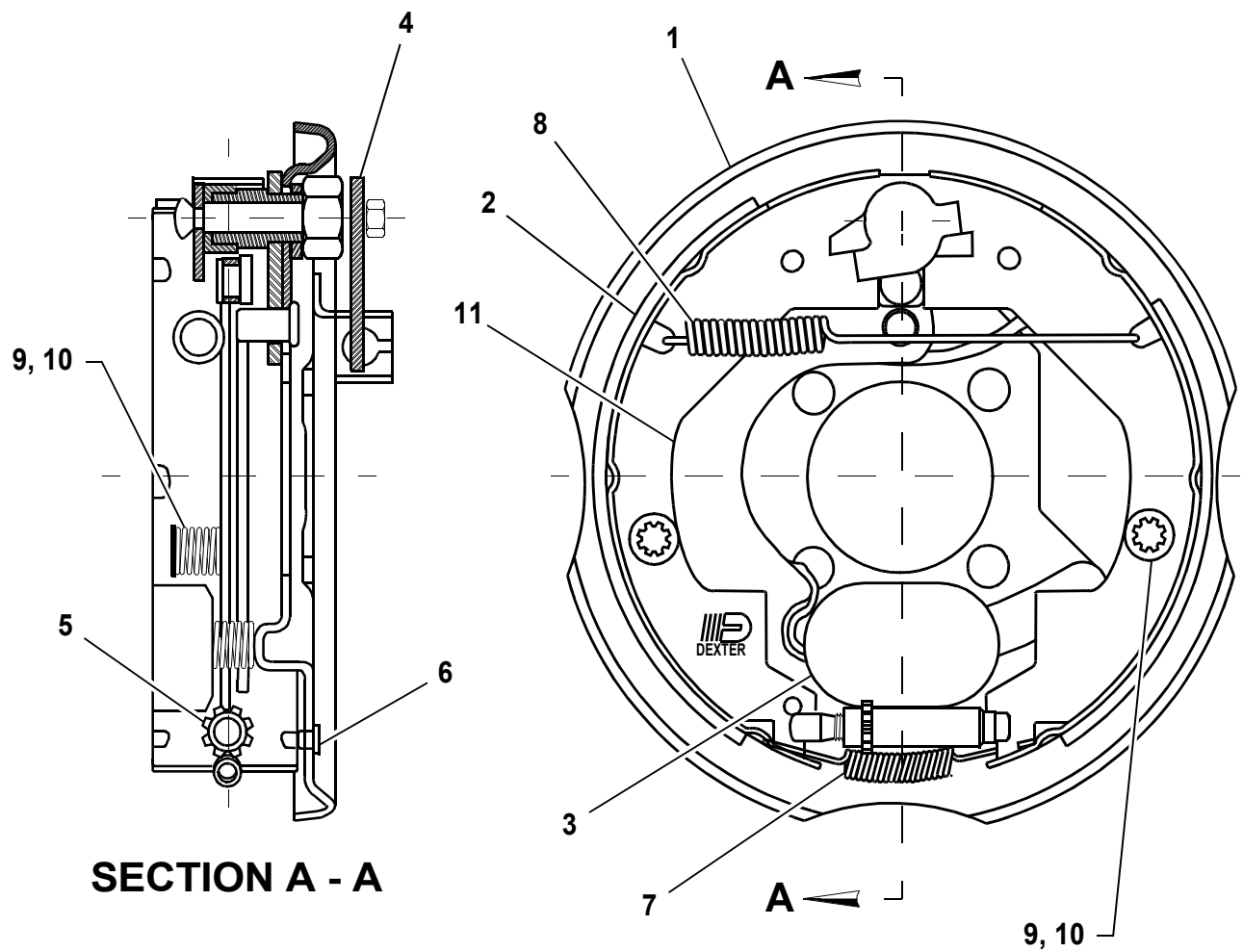
AXLE ELECTRIC BRAKE



46490686_07/09_A

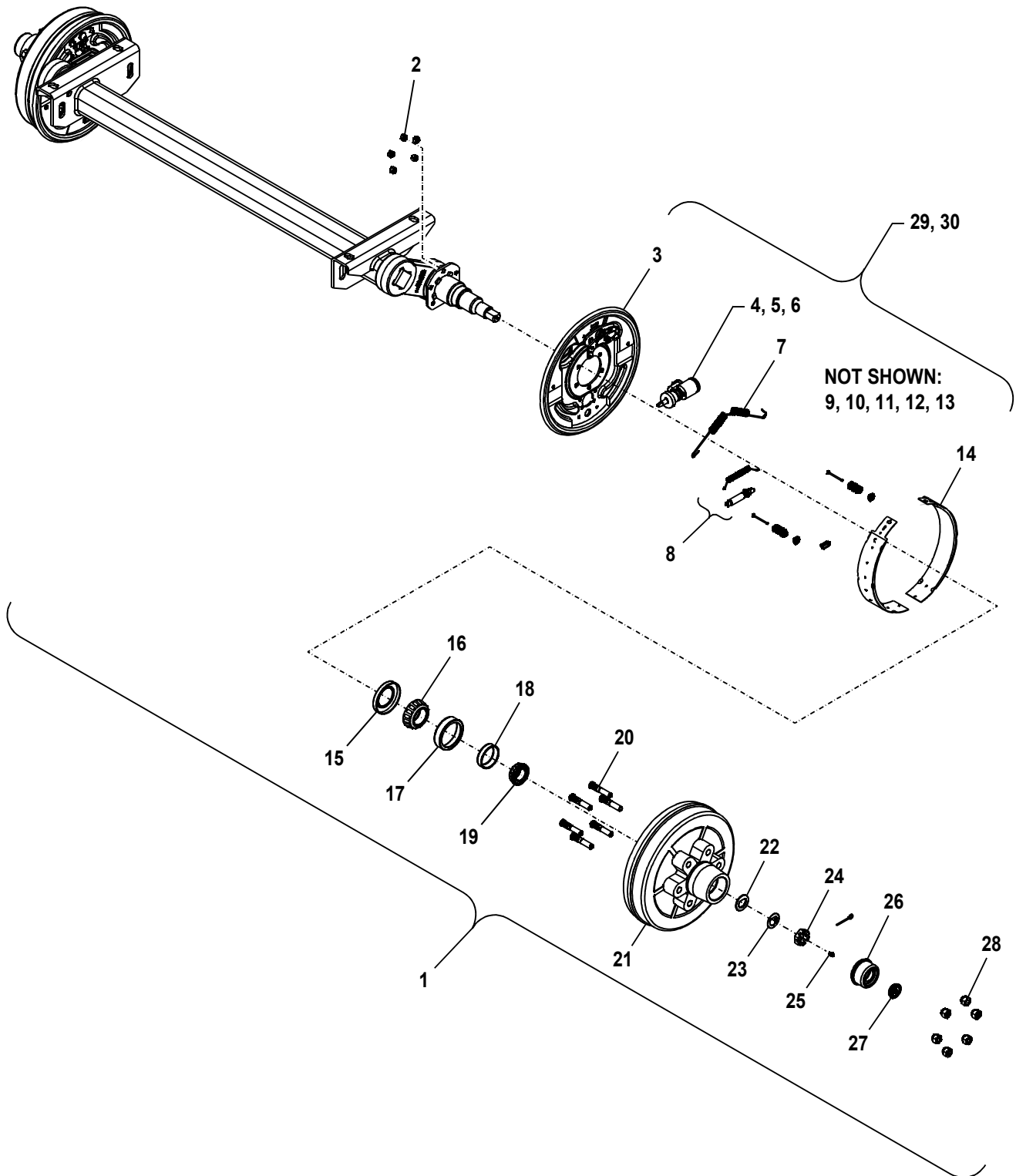
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22892657	Running Gear, EZ-Lube Electric Brakes	1	
2	35391630	Nut, Brake Mounting	8	
3	35391176	Brake, RH Electric w/ Park	1	
4	35391168	Brake, LH Electric w/ Park	1	
5	35391648	Screw, Brake Mounting	8	
6	35391101	Seal, EZ-Lube Grease	2	
7	35361864	Cone, Inner Bearing	2	
8	35361872	Cup, Inner Bearing	2	
9	35315183	Cup, Outer Bearing	2	
10	35385191	Cone, Outer Bearing	2	
11	22464648	Stud, Wheel	10	
12	35391119	Hub & Drum with Studs and Cups	2	
13	22805436	Washer, Spindle	2	
14	22805444	Washer, Tang	2	
15	35315217	Nut, Spindle	2	
16	46543682	Fitting, Zerk	2	
17	35391127	Cap, EZ Lube Dust	2	
18	35391135	Plug, EZ Lube Dust	2	
19	35315274	Nut, Wheel	10	

ELECTRIC BRAKE SHOE



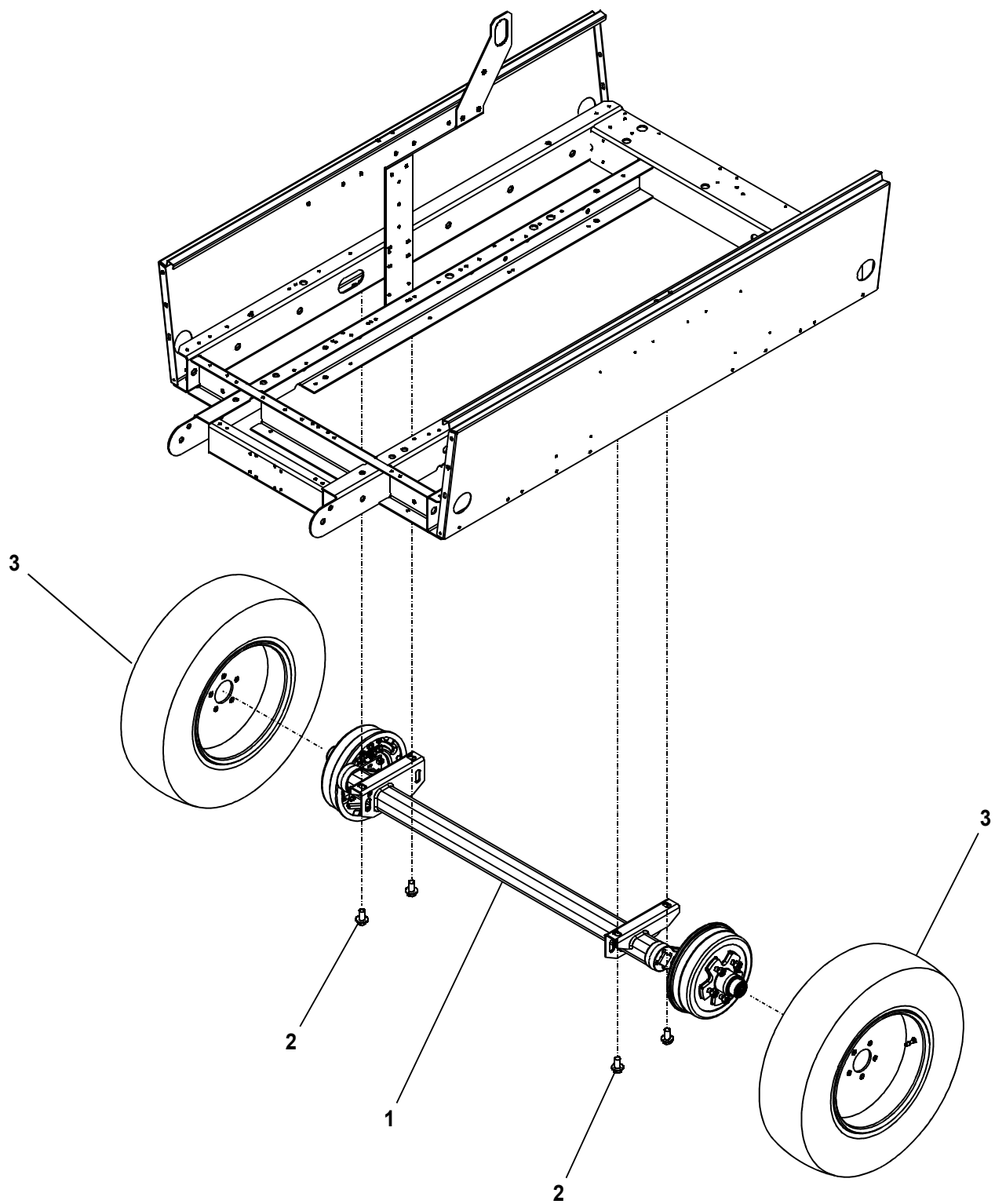
ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35391184	Plate Assembly, LH Back	1	
	35391192	Plate Assembly, RH Back	1	
2	35391333	Kit, Brake Shoe	2	
3	35391309	Kit, Magnet	2	
4	35391267	Lever, Parking Brake	2	
5	35391366	Screw Assembly, Adjusting	2	
6	35391416	Plug, Adjusting Slot	2	
7	35391374	Spring, Adjusting	2	
8	35391358	Spring, Retractor	2	
9	35391382	Spring, Shoe Hold Down	4	
10	35391390	Pin, Shoe Hold Down	4	
11	35391226	Lever Kit, LH Actuating	1	
	35391234	Lever Kit, RH Actuating	1	

AXLE HYDRAULIC with BRAKES



ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22892632	Axle, Hydraulic Brake	1	
2	35391630	Nut, Brake Mount Hex	8	
3	46543435	Plate, Back	2	
4	46543526	Kit, RH Wheel Cylinder	1	
5	46543534	Kit,LH Wheel Cylinder	1	
6	46543500	Kit, Wheel Cylinder Repair	AR	
7	46543542	Kit, Spring (Includes all Springs)	1	
8	46543518	Kit, Adjusting Screw	2	
9	46543476,	Link, RH Toggle	1	
10	46543484,	Link, LH Toggle	1	
11	46543450	Lever, RH Parking Brake	1	
12	46543468	Lever, LH Parking Brake	1	
13	46543443	Lever, Shoe	2	
14	46543492	Kit, Shoe Lining	2	
15	35391101	Seal, Grease	2	
16	35361864	Cone, Inner Bearing	2	
17	35361872	Cup, Inner Bearing	2	
18	35315183	Cup, Outer Bearing	2	
19	35315191	Cone, Outer Bearing	2	
20	22464648	Stud, Wheel	10	
21	35391119	Hub & Drum with Studs	2	
22	22805436	Washer, Spindle	2	
23	22805444	Washer, Tang	2	
24	35315274	Nut, Spindle	2	
25	46543682	Fitting, Zerk 1/4"-28	2	
26	35391127	Cap, EZ Lube Dust	2	
27	35391135	Plug, EZ Lube Dust	2	
28	35315274	Nut, Wheel	10	
29	36867596	Brake Assembly, LH Hydraulic	1	
30	36867604	Brake Assembly, RH Hydraulic	1	

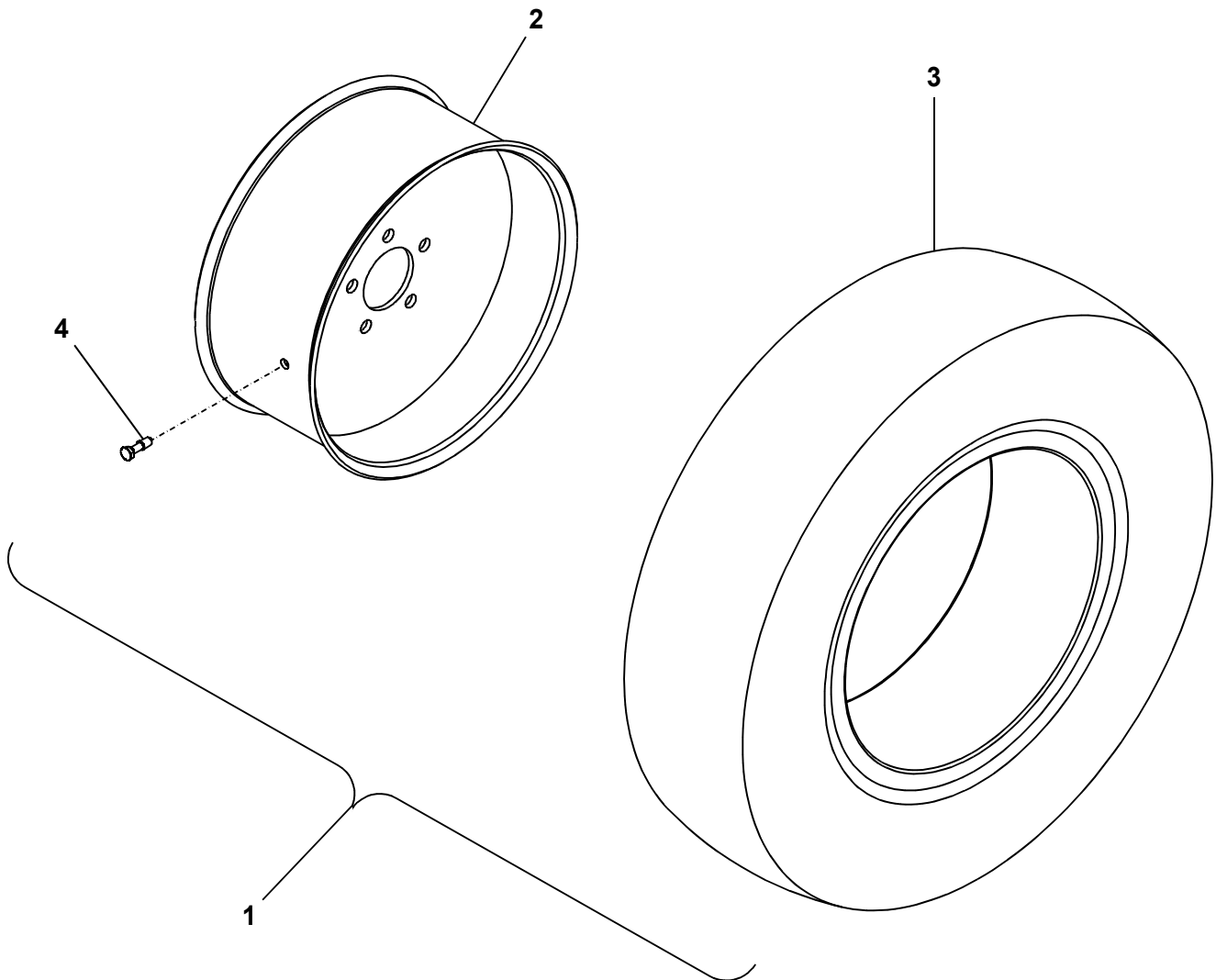
AXLE HD HYDRAULIC BRAKE MOUNT



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	22892632	Axle, Hydraulic Brake	1	
2	96747142	Screw, Hex Flange M16-2.0 X 30	4	
3	36073559	Tire and Wheel, ST205/75D15C	2	
	36074938	Tire and Wheel, ST225/75D15D	2	
	35046275	Tire and Wheel, P215/75R15B	2	
	36043818	Tire and Wheel, ST225/75R15D	2	

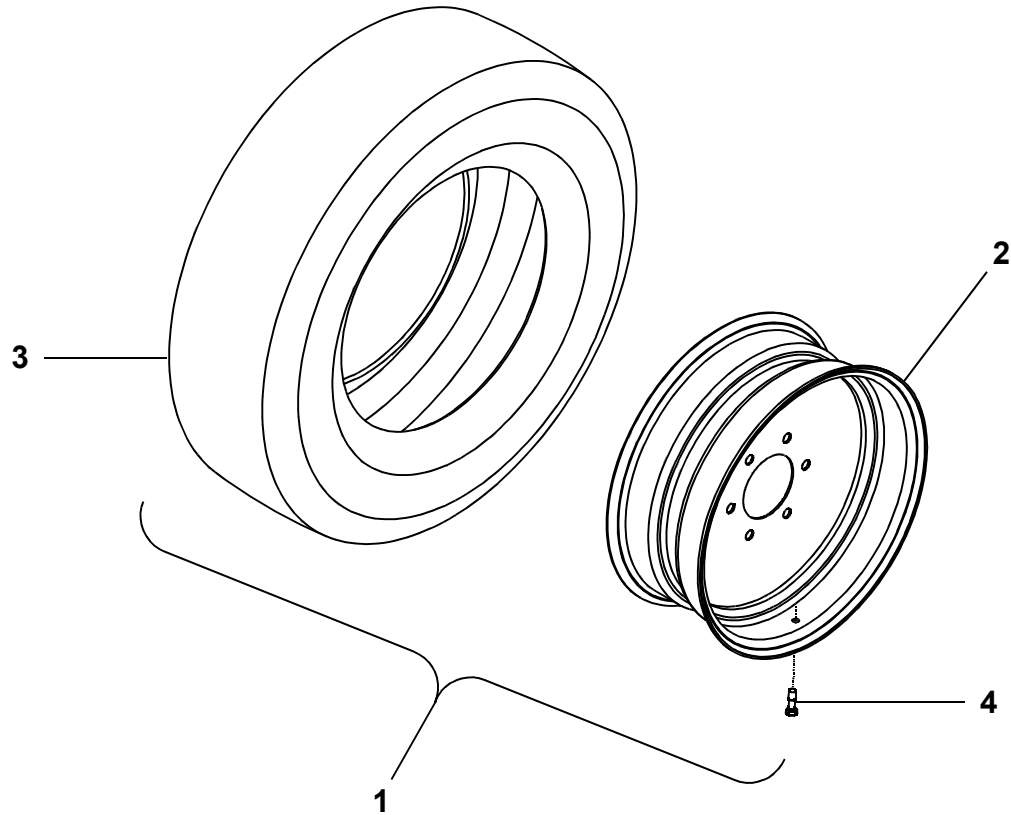
TIRE and WHEEL



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36073559	Tire and Wheel, ST205/75D15C	1	
	36074938	Tire and Wheel, ST225/75D15D	1	
	35046275	Tire and Wheel, P215/75R15B	1	
	36043818	Tire and Wheel, ST225/75R15D	1	
2	35277706	Wheel, 15 X 6	1	
3	22246276	Tire, ST205/75D15C	1	
	22253041	Tire, ST225/75D15D	1	
	35291988	Tire, P215/75R15B	1	
	36846319	Tire, ST225/75R15D	1	
4	35282565	Stem, Valve	1	

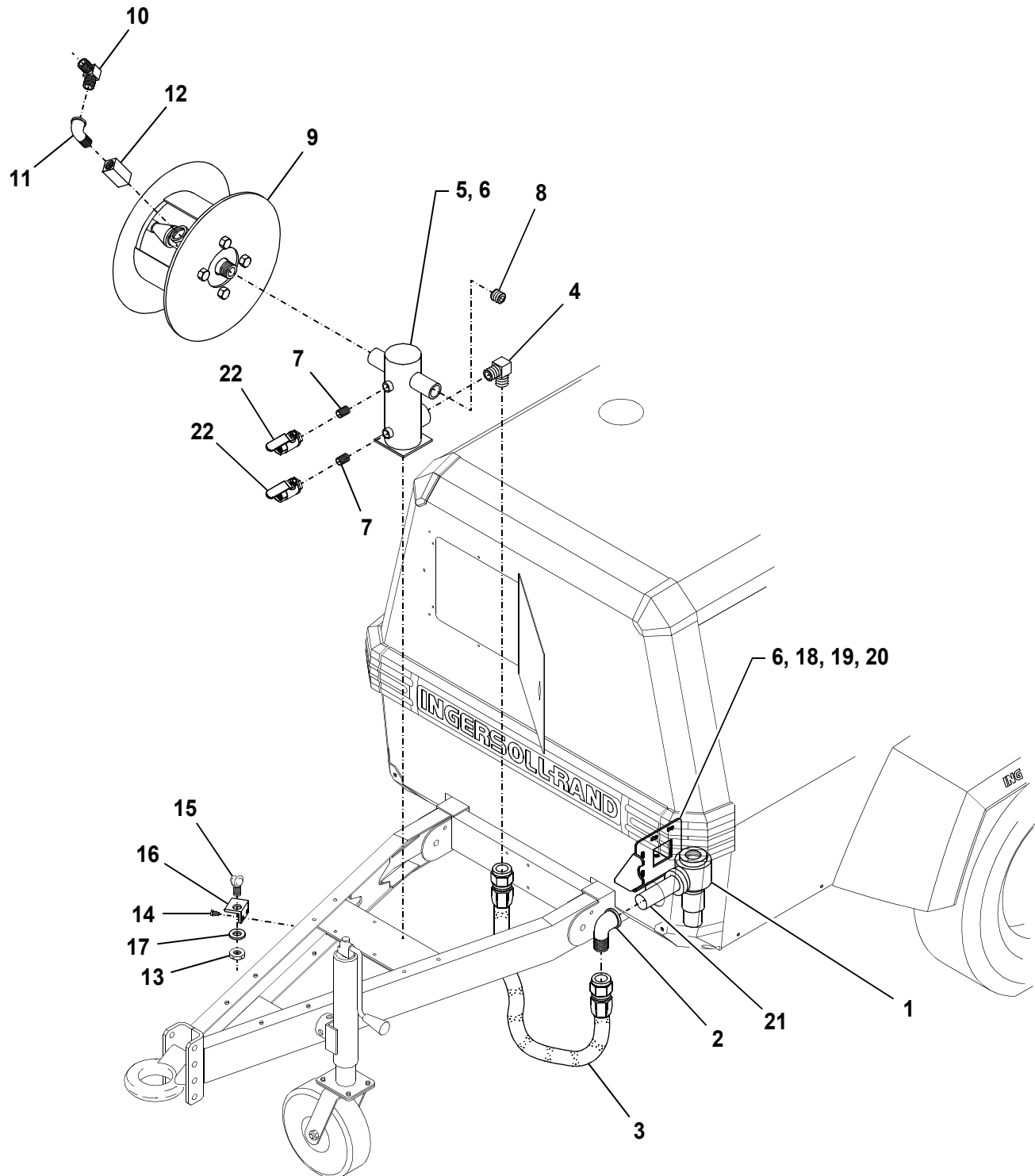
6 LUG TIRE and WHEEL



46490686_07/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36073864	Tire and Wheel, ST225/75D15D BIAS	1	
	36026268	Tire and Wheel, ST225/75D15D	1	
2	35318757	Wheel, 15 X 6 6 ON 5.50	1	
3	22253041	Tire, ST225/75D15D BIAS	1	
	36846319	Tire, ST225/75R15D	1	
4	35282565	Stem, Valve	1	

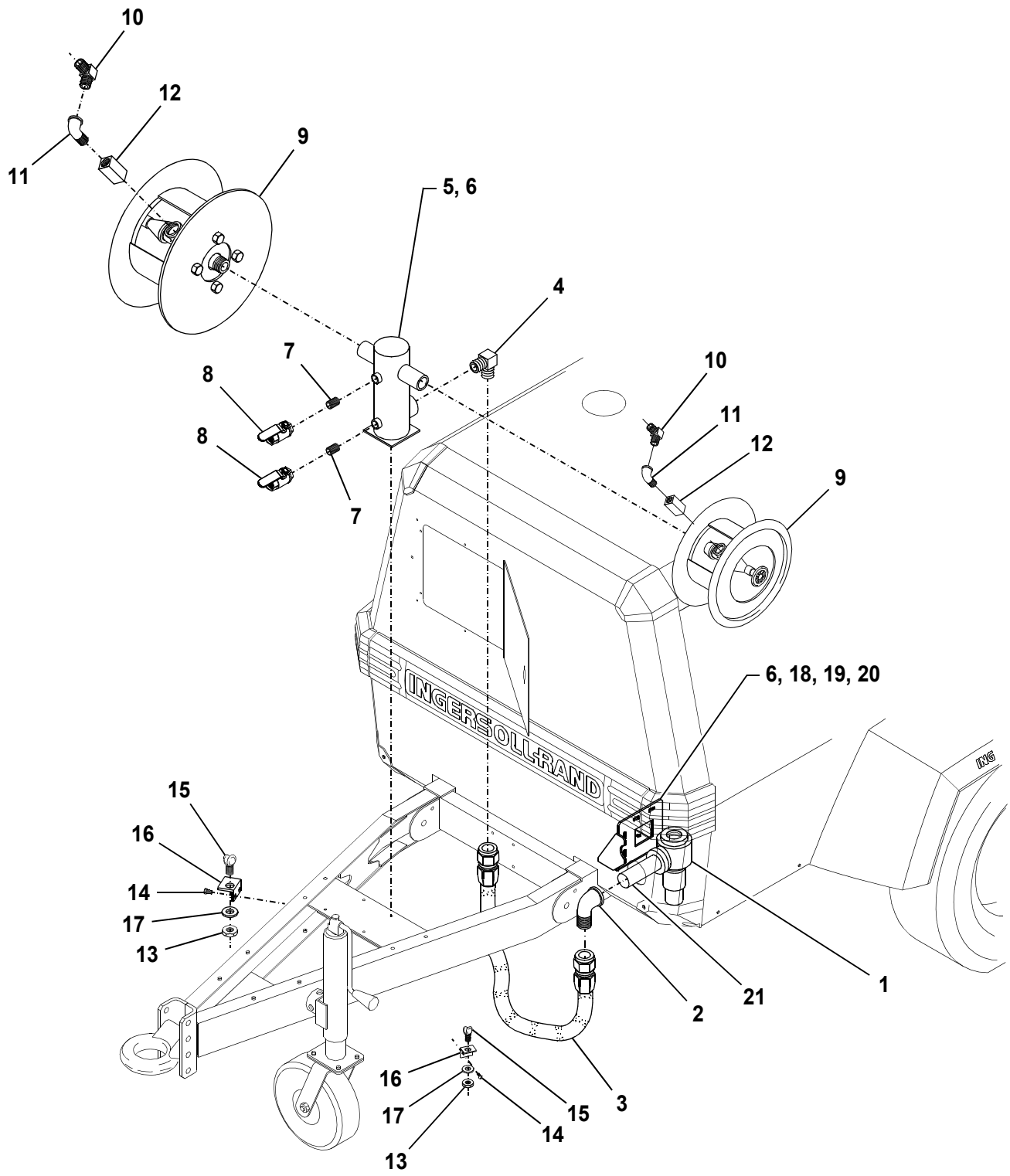
SINGLE HOSE REEL



46490686_10/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36776219	Valve, Minimum Pressure Check	1	
2	95286530	Elbow, 90° 1.25" NPTF X -26 JIC	1	
3	35117480	Hose Assembly, -20 X 33"	1	
4	95219861	Elbow, 90° 1.25" NPT X -26 JIC	1	
5	36755460SB	Manifold, Hose Reel	1	
6	35279025	Screw, Tapping M08-1.25 X 20	6	
7	95928040	Nipple, Close 3/4" NPT X 1.38"	2	
8	95928248	Plug, Hex Countersink 1-1/4"	1	
9	46551891GB	Reel, Hose	1	
10	95928198	Elbow, 45° Street 3/4" NPT	1	
11	95928172	Elbow, 90° Street 3/4" NPT	1	
12	35364397	Valve, OSHA Check	1	
13	35153972	Cap, Hose Lock	2	
14	92368687	Screw, Tapping M06-1.0 X 14	2	
15	35221910	Lock, Coupling Hose	1	
16	35296748GB	Bracket, Hose Reel Lock	1	
17	95928321	Washer, Flat 7/8"	2	
18	46496451SB	Bracket, Service Pipe	1	
19	35189885	U-Bolt, 1/4"-20 X 1.94" dia.	2	
20	35144492	Nut, Hex Lock M08-1.25	4	
21	95944542	Nipple, Long 1.25" X 7"	1	
22	35576115	Valve, Ball 3/4"NPT	2	

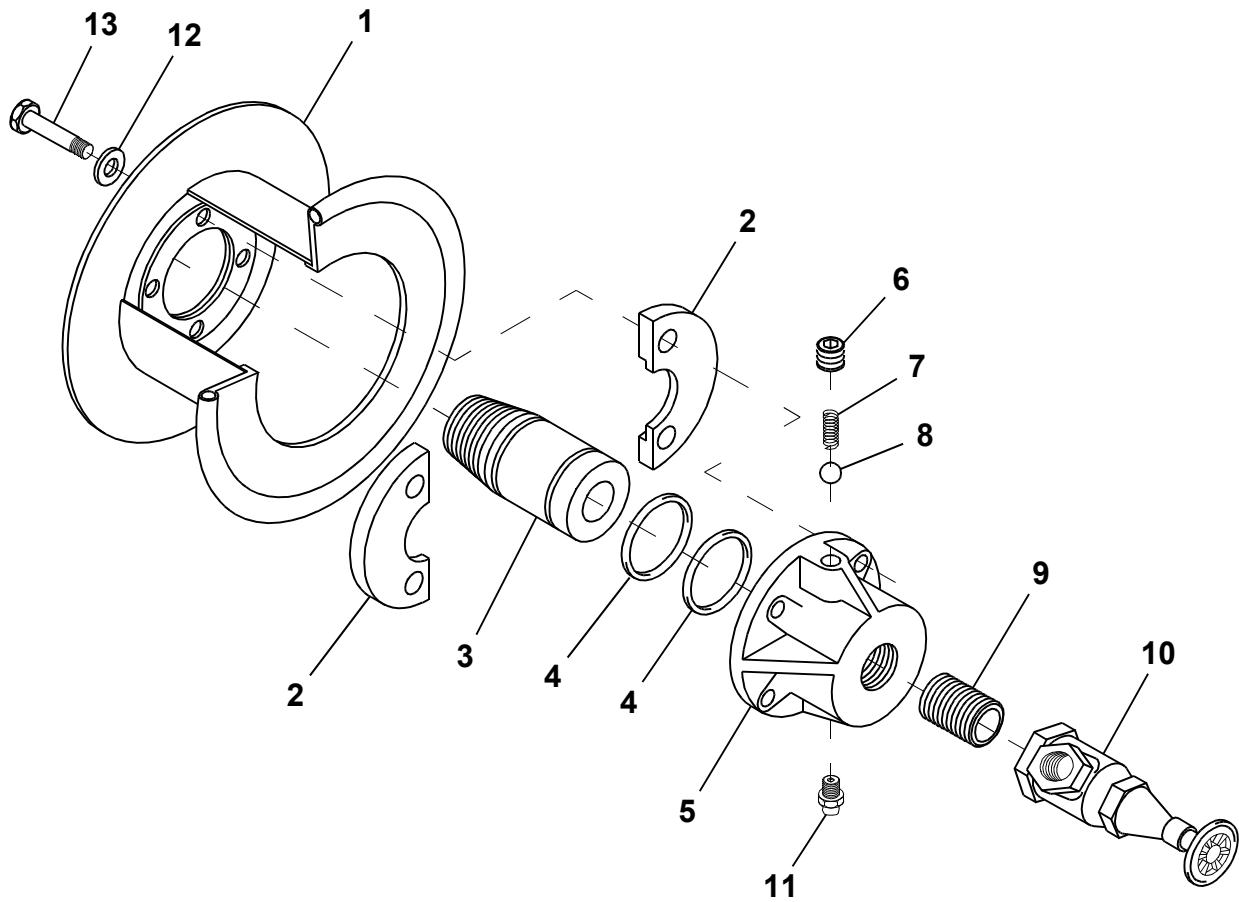
DOUBLE HOSE REEL



46490686_10/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	36776219	Valve, Minimum Pressure Check	1	
2	95286530	Elbow, 90° 1.25" NPTF X -26 JIC	1	
3	35117480	Hose Assembly, -20 X 33"	1	
4	95219861	Elbow, 90° 1.25" NPT X -26 JIC	1	
5	36755460SB	Manifold, Hose Reel	1	
6	35279025	Screw, Tapping M08-1.25 X 20	6	
7	95928040	Nipple, Close 3/4" NPT X 1.38"	2	
8	35576115	Valve, Ball 3/4"NPT	2	
9	46551891GB	Reel, Hose	2	
10	95928198	Elbow, 45° Street 3/4" NPT	2	
11	95928172	Elbow, 90° Street 3/4" NPT	2	
12	35364397	Valve, OSHA Check	2	
13	35153972	Cap, Hose Lock	4	
14	92368687	Screw, Tapping M06-1.0 X 14	2	
15	35221910	Lock, Coupling Hose	2	
16	35296748GB	Bracket, Hose Reel Lock	2	
17	95928321	Washer, Flat 7/8"	1	
18	46496451SB	Bracket, Service Pipe	2	
19	35189885	U-Bolt, 1/4"-20 X 1.94" dia.	2	
20	35144492	Nut, Hex Lock M08-1.25	4	
21	95944542	Nipple, Long 1.25" X 7"	1	

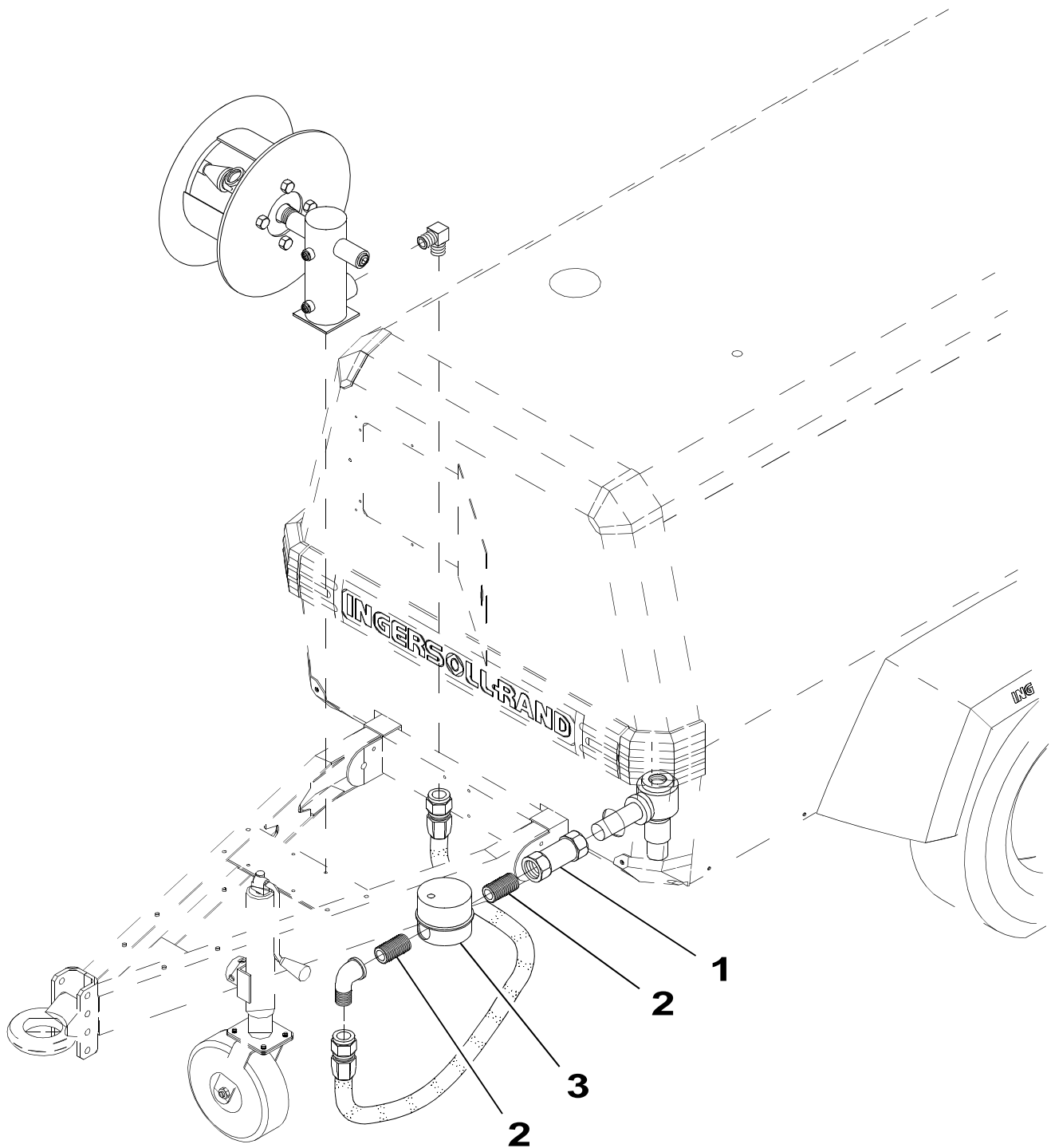
HOSE REEL ASSEMBLY



46490686_10/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46551891GB	Reel, Hose	1	
2	36765188	Cover, Bearing	2	
3	46545240	Shaft, Bearing	1	
4	95358297	O-Ring, 1.625" X .18	2	
5	46546289	Bearing, Hose Reel	1	
6	95928222	Plug, Hex Countersink 3/8" NPT	1	
7	90671242	Spring, Ball Retard	1	
8	35221902	Ball, Retard	1	
9	95928040	Nipple, Close 3/4" NPT X 1.38"	1	
10	95072971	Valve, Globe	1	
11	35221894	Fitting, 1/8" Lube	1	
12	95937413	Washer, 3/8" Lock	4	
13	95934584	Screw, Hex 3/8"-16 X 1.50"	4	

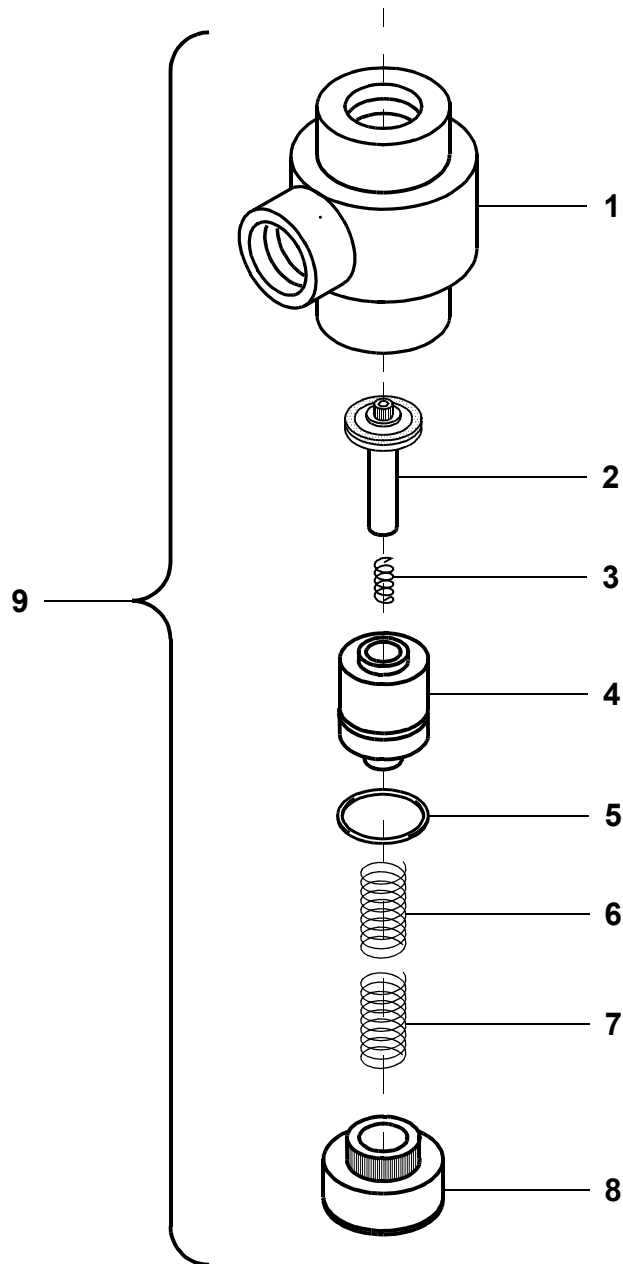
HOSE REEL OILER



46490686_10/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	95941373	Union, 1-1/4" NPT	1	
2	95953600	Nipple, 1-1/4" X 2"	2	
3	35255025	Lubricator, 1 qt.	1	
	35356252	Lubricator, 2 qt.	1	

VALVE, MINIMUM PRESSURE



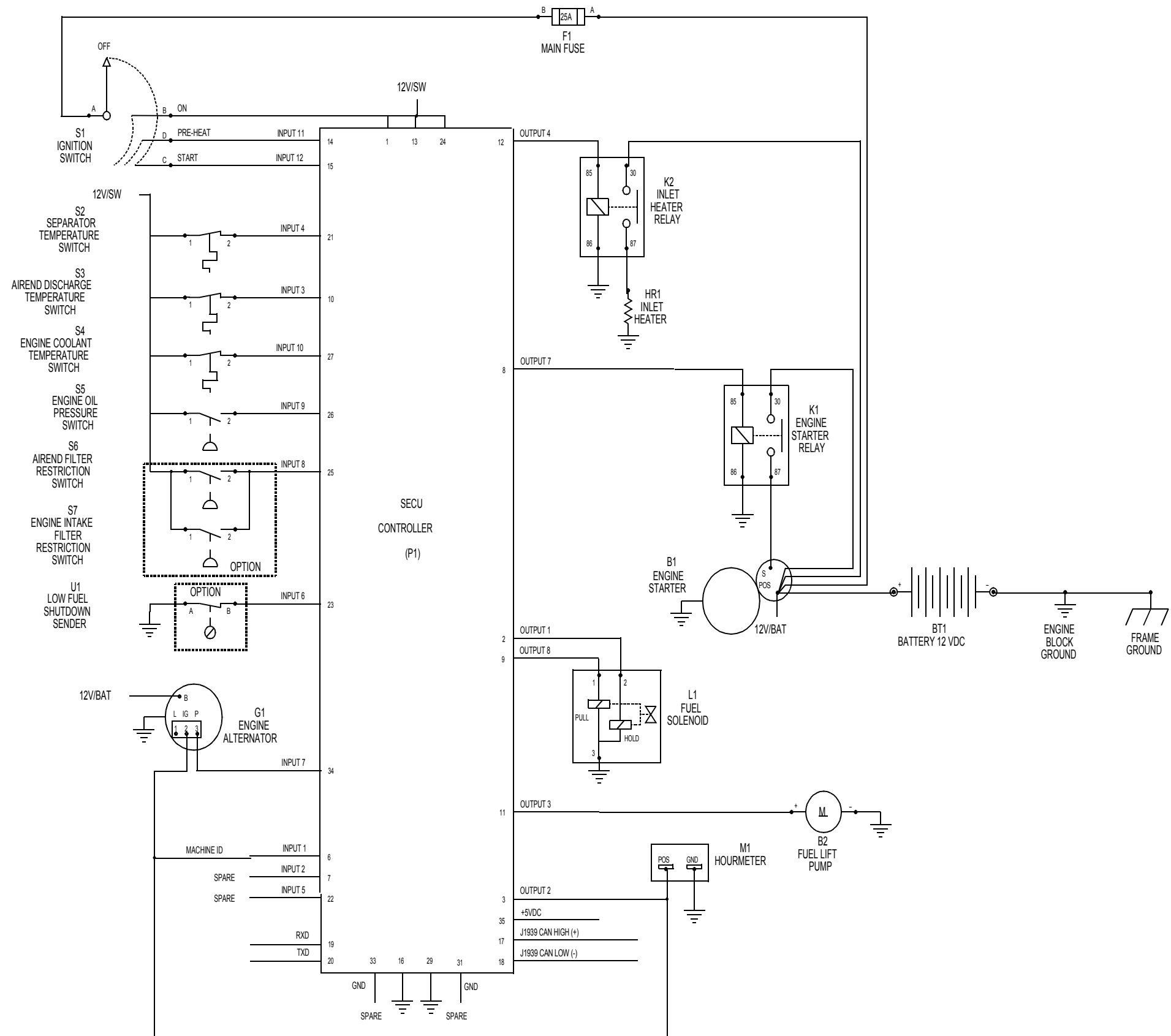
46490686_10/09_A

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	35382621	Body, Minimum Pressure Valve	1	
2	35382639	CV Assembly	1	
3	35382662	Spring, CV Assembly	1	
4	35382647	Piston	1	
5	35382654	O-Ring, Minimum Pressure Valve	1	
6	35382670	Spring, Piston	1	
7	35389055	Spring, Minimum Pressure Valve	1	
8	35382688	Cap, Minimum Pressure Valve	1	
9	36776219	Valve Assembly, Minimum Pressure	1	

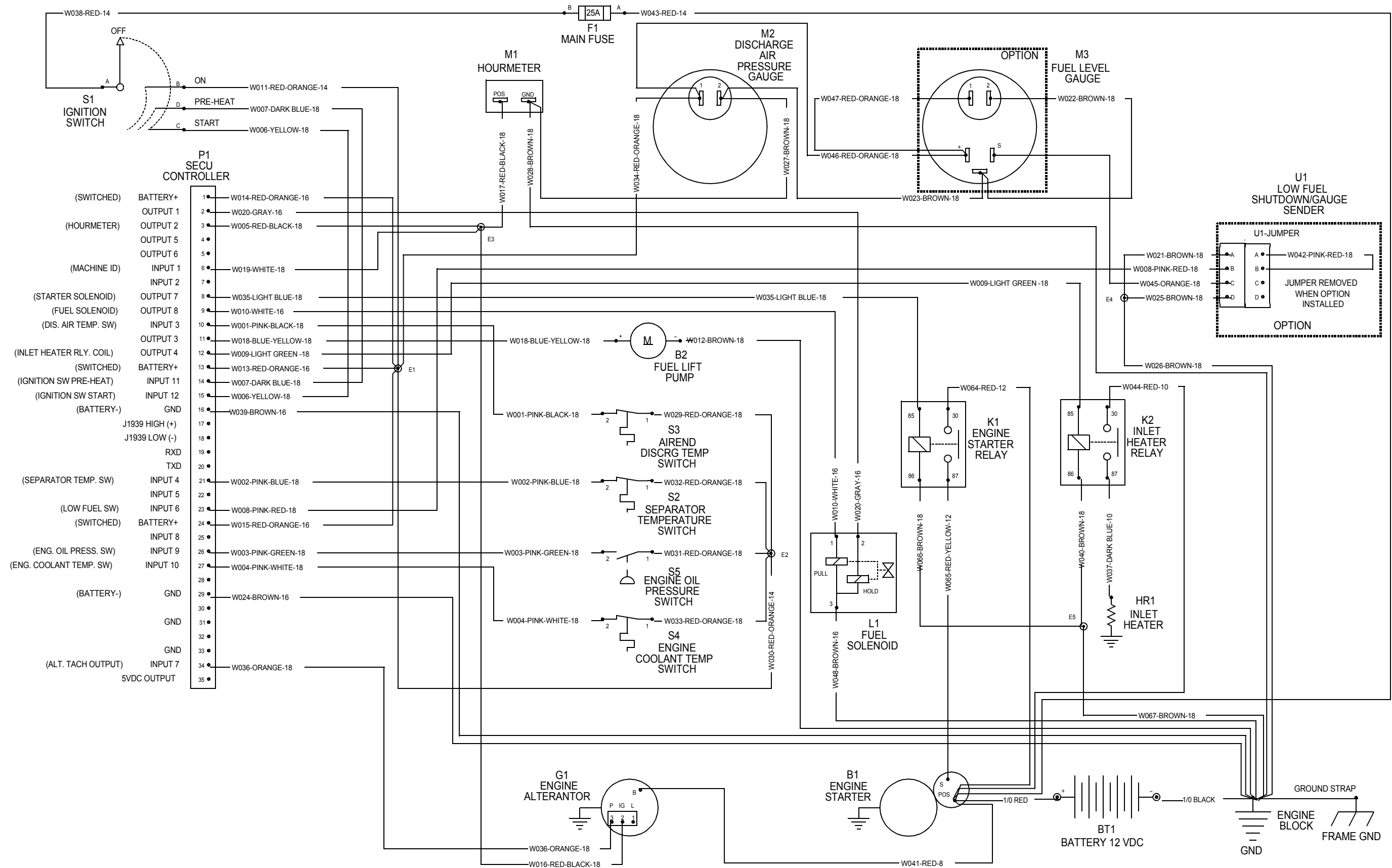


Section E - WIRING SCHEMATICS

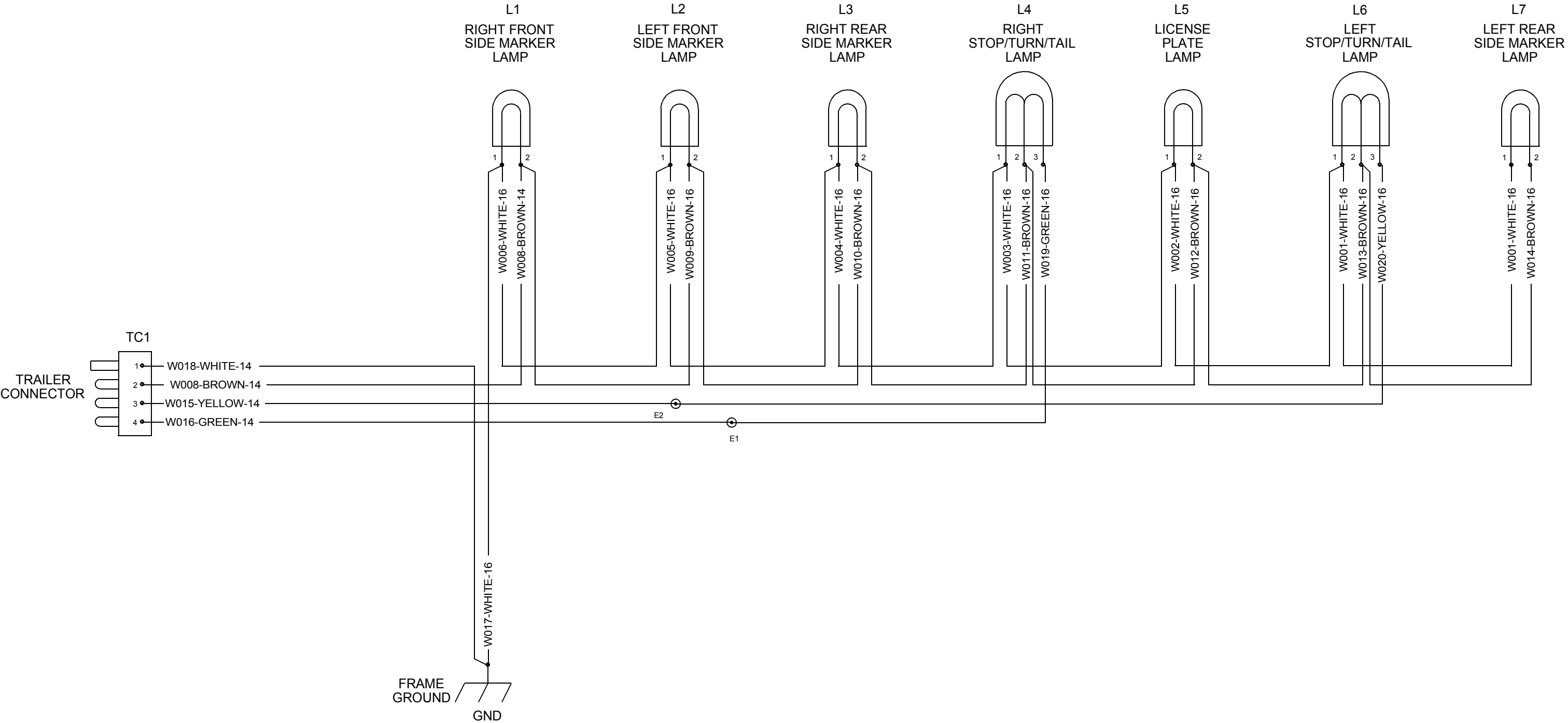
SYSTEM SCHEMATIC



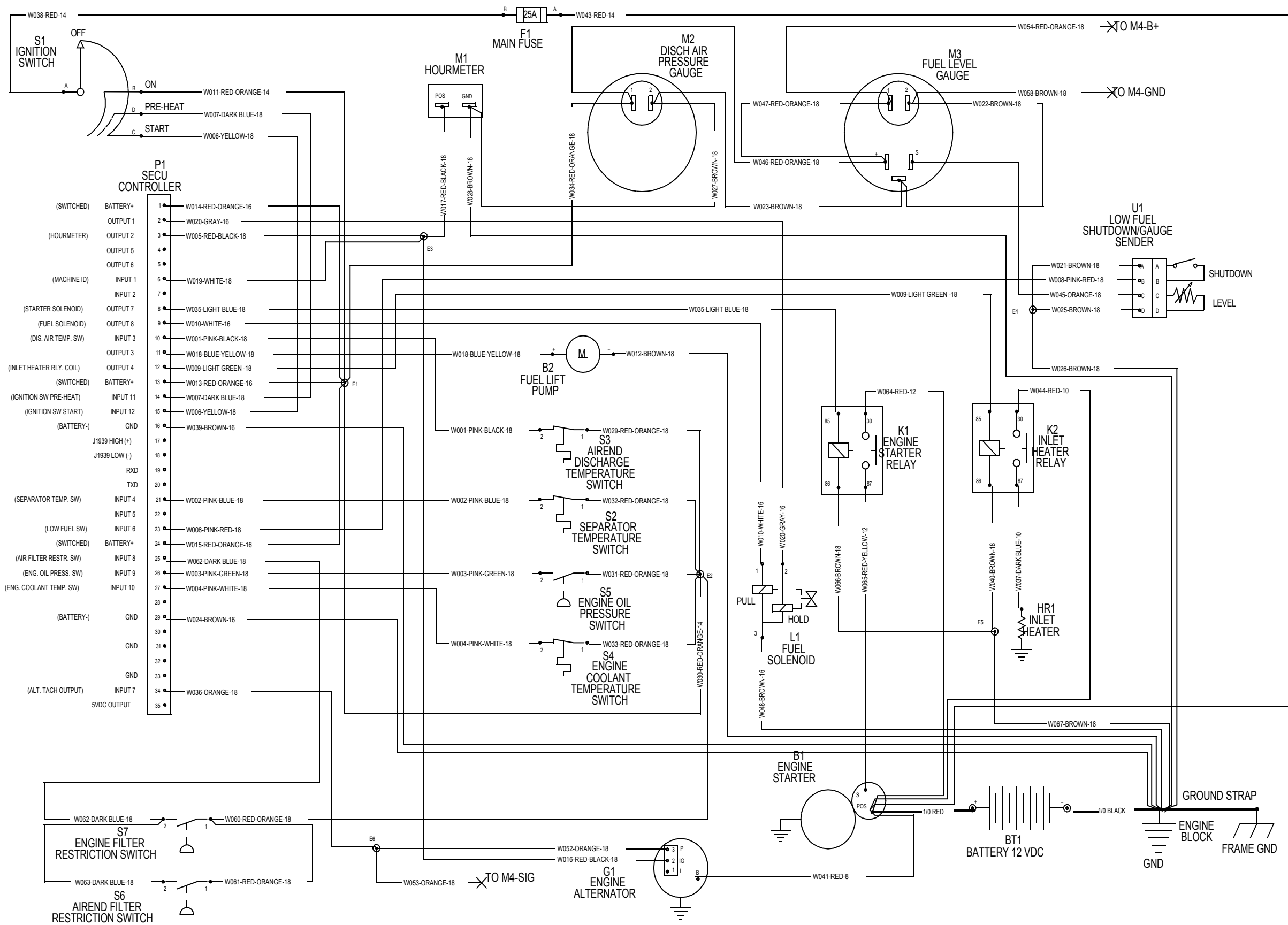
CHASSIS HARNESS SCHEMATIC



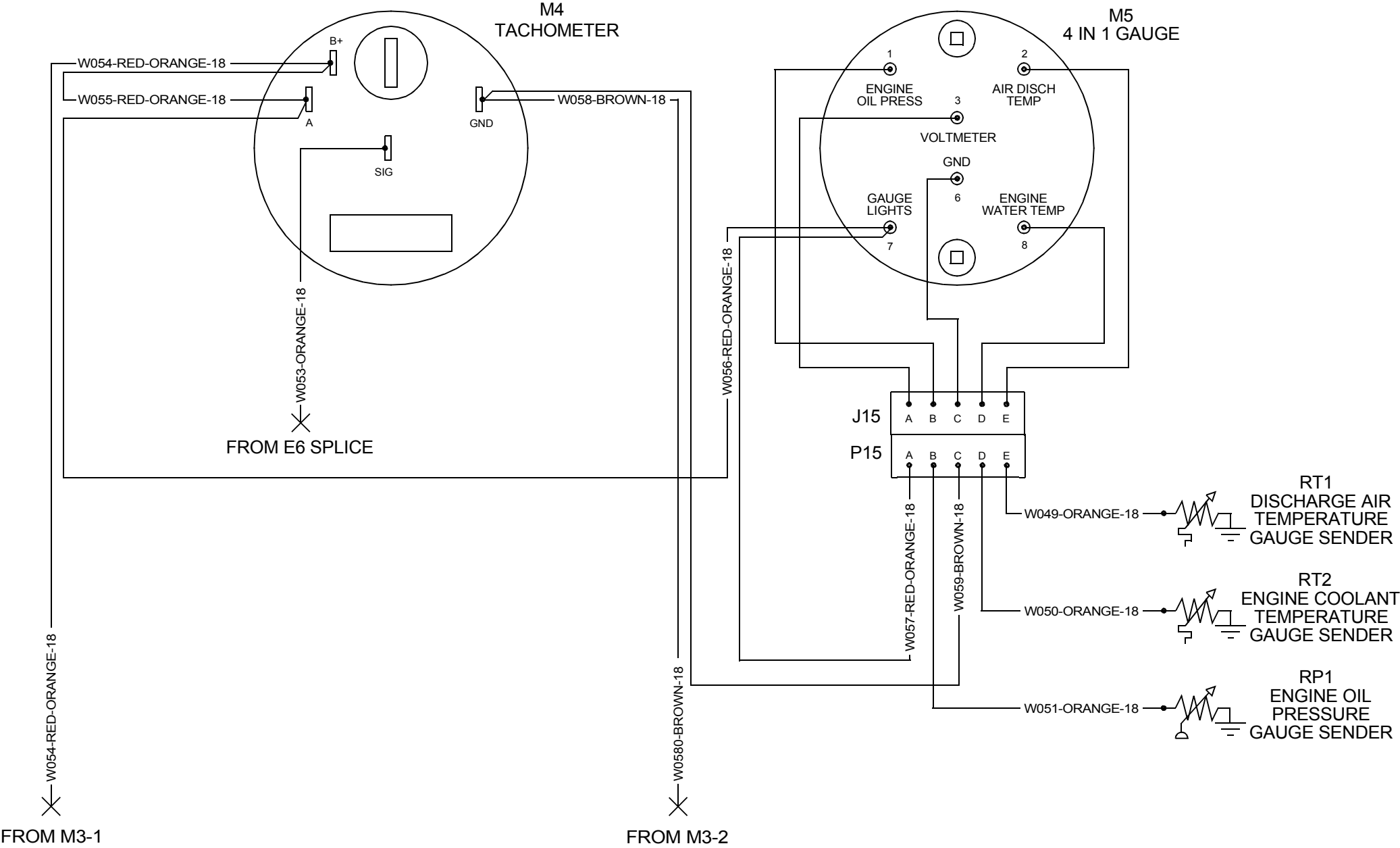
TRAILER HARNESS SCHEMATIC 2 TAIL LIGHT



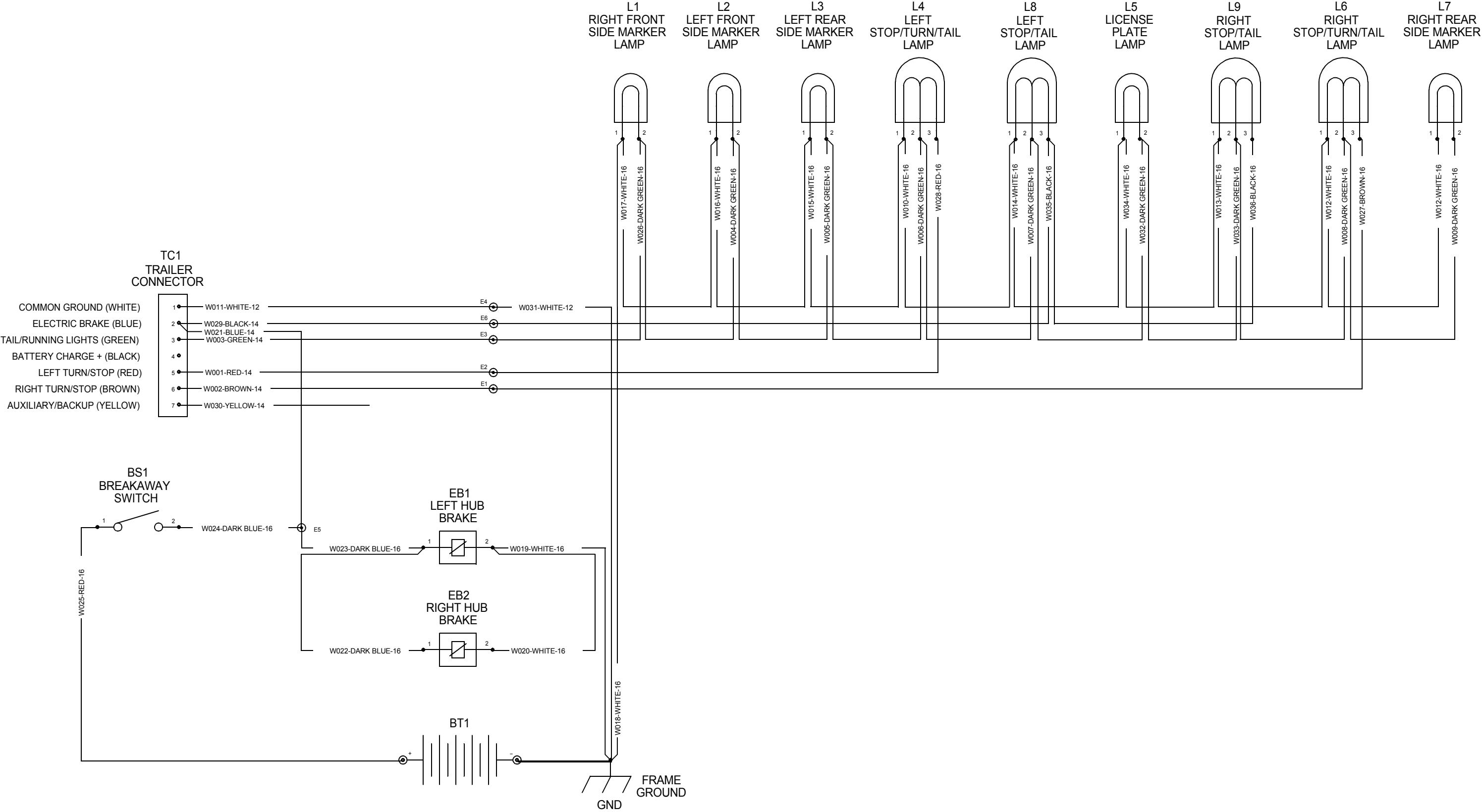
CHASSIS HARNESS SCHEMATIC with FULL GAUGE OPTION 1



CHASSIS HARNESS SCHEMATIC with FULL GAUGE OPTION 2



TRAILER HARNESS SCHEMATIC 2 TAIL LIGHT w/ ELECT. BRAKES (4 TAIL LIGHT)



ELECTRICAL PARTS LIST

ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION	ITEM	COMM. NO.	DESCRIPTION
		CHASSIS HARNESS			CHASSIS HARNESS with FULL GAUGE PANEL			2 TAIL LIGHT TRAILER w/ELECT BRAKES (4 TAIL LIGHT TRAILER HARNESS)
B1	22255558	Starter	B1	22255558	Starter	BS1	46554147	Switch, Breakaway
B2	15897077	Pump, Fuel Lift	B2	15897077	Pump, Fuel Lift	EB1	~	Hub, Left Brake
BT1	36844264	Battery, 12VDC	BT1	36844264	Battery, 12VDC	EB2	~	Hub, Right Brake
F1	36793651	Fuse, 25A	F1	36793651	Fuse, 25A	L1	35367051	Light, Amber Side Marker
	46551840	Cap, Fuse (Replacement)		46551840	Cap, Fuse (Replacement)	L2	35367051	Light, Amber Side Marker
G1	46555550	Alternator	G1	46555550	Alternator	L3	35367044	Light, Red Side Marker
HR1	15899842	Heater, Inlet Air	HR1	15899842	Heater, Inlet Air	L4	36788081	Light, Stop / Tail / Turn
K1	22511505	Relay, 70 A	K1	22511505	Relay, 70 A	L5	54726468	Light, License
	23091796	Box, Relay (Replacement)		23091796	Box, Relay (Replacement)	L6	36788081	Light, Stop / Tail / Turn
K2	22511505	Relay, 70 A	K2	22511505	Relay, 70 A	L7	35367044	Light, Red Side Marker
	23091796	Box, Relay (Replacement)		23091796	Box, Relay (Replacement)	L8	36788081	Light, Stop / Tail (4 Tail Light Opt ONLY)
L1	22226393	Valve, Fuel Solenoid	L1	22226393	Valve, Fuel Solenoid	L9	36788081	Light, Stop / Tail (4 Tail Light Opt ONLY)
M1	22054175	Hourmeter	M1	22054175	Hourmeter	~	46554002	Harness, 4 Tail Light Trailer
M2	35604065	Gauge, Pressure 150 PSI (Discharge)	M2	35604065	Gauge, Pressure 150 PSI (Discharge)			
	22137418	Bulb (Replacement)		22137418	Bulb (Replacement)			
M3	22773337	Gauge, Fuel Level (OPTION)	M3	22773337	Gauge, Fuel Level			
	22137418	Bulb (Replacement)		22137418	Bulb (Replacement)			
S1	22127385	Switch, Ignition	M4	22422539	Tachometer			
	222137426	Knob Assembly (Replacement)		22137418	Bulb (Replacement)			
S2	35596436	Switch, Temperature (Separator Filter)	M5	22058291	Gauge, 4-in-1			
S3	22823199	Switch, Temperature (Airend)		22137418	Bulb (Replacement)			
S4	15898059	Switch, Temperature (Engine Water)	RP1	22975403	Sender, Pressure			
S5	54757935	Switch, Pressure (Engine Oil)	RT1	36870608	Sender, Temperature			
U1	22058531	Sender, Low Fuel Shutdown (OPTION)	S1	22127385	Switch, Ignition			
~	46492674	Harness, Chassis		222137426	Knob Assembly (Replacement)			
~	46499364	Controller, SECU	S2	35596436	Switch, Temperature (Separator Filter)			
~	36793743	Cable, Positive Battery	S3	22823199	Switch, Temperature (Airend)			
~	36780609	Cable, Negative Battery	S4	15898059	Switch, Temperature (Engine Water)			
~	36783488	Strap, Frame Ground	S5	54757935	Switch, Pressure (Engine Oil)			
			S6	36847838	Switch, Vacuum			
			S7	36847838	Switch, Vacuum			
			U1	22058531	Sender, Low Fuel Shutdown			
			~	46499224	Harness, Chassis with Full Gauge Panel			
			~	46499364	Controller, SECU			
			~	36793743	Cable, Positive Battery			
			~	36780609	Cable, Negative Battery			
			~	36783488	Strap, Frame Ground			
L1	35367051	Light, Amber Side Marker						
L2	35367051	Light, Amber Side Marker						
L3	35367044	Light, Red Side Marker						
L4	36788081	Light, Stop / Tail / Turn						
L5	54726468	Light, License						
L6	36788081	Light, Stop / Tail / Turn						
L7	35367044	Light, Red Side Marker						
~	23050180	Harness, 2 Tail Light Trailer (No Brakes)						



Section F - RECOMMENDED SERVICE PARTS

RECOMMENDED SERVICE PARTS

QTY	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES
1	46555535	Belt, Fan	Oil Pressure
1	22226369	Element, Fuel	
1	22226351	Element, Engine Oil Filter	
1	54757935	Switch, Pressure 12PSI NO	
1	35592435	Cylinder, Air	
2	35328467	Bearing, Rod End 5/16"-24 X 2.50"	
2	95935086	Nut, Hex 5/16"-24	
2	95935029	Washer, Flat 1/4"	
2	96701461	Screw, Hex M06-1.0 X 25	
2	36769032	Nut, Hex Flange M06-1.0	
1	23279078	Element, Compressor Oil Filter	
1	46492963	Element, Drive Coupling	
1	46492989	Hub, Coupling	
1	22195820	Element, Thermostat 150° - 170° F	
1	95022307	O-Ring, 2.62" ID X 0.14" Cross Sect.	
1	36788172	Seal, U-Cup 1.88" OD X 1.63" ID	OTBV
9	35294768	O-Ring, 0.92" ID X 0.12" Cross Sect.	OTBV
1	36886992	Valve, 0.078" Check w/ O-Ring	Air End
1	35279959	O-Ring, 0.35" ID X .08" Cross Sect.	
1	22823199	Switch, Temperature 248° F	
70"	35363498	Hose, Fuel .5/16" ID	
2	35393693	Cover, Air Cleaner	
2	35393685	Element, Primary	
2	35393651	Element, Safety	
2	35393677	Valve, Dust Ejector	
6	35393669	Clip, Retaining	
2	35393719	Plug, Cap	
2	35279777	Elbow, 90° 1-5/8"-12 X -20 JIC	
4	35279942	O-Ring, 1.48" ID X 0.11" Cross Sect.	
1	36920254	Valve, Safety 200 PSI	
1	22685481	Elbow, Top Sight Tube	
1	22685499	Elbow, Bottom Sight Tube	
1	22685515	Tube, Sight Gage	Separator Filter Head
1	22436331	Element, Separator	
1	22616650	Assembly, Separator Filter	
1	22610950	O-Ring, 32 mm ID X 2 mm Cross Sect.	
1	36921377	Nozzle, 0.395" Orifice Sonic	
1	35596436	Switch, Temperature 248° F	
1	39404165	O-Ring, 0.64" ID X 0.09" Cross Sect.	
1	36840437	Valve, 0.062" Orifice Check	
1	36896892	Valve, Pressure Regulator 200 PSI	
1	35248319	Orifice, Muffler 0.094"	
1	35322379	Valve, Blowdown	
1	35379064	Repair Kit, Diaphragm	
1	36766772	Orifice, Muffler 0.062"	
2	36883437	Hinge, Door	
2	36793602	Latch, Door Slam	

RECOMMENDED SERVICE PARTS

QTY	COMM. NO.	DESCRIPTION	DIMENSIONS/NOTES
1	15898059	Switch, Water Temperature NC	
8	35337328	Stud, Ball M08-125	
4	35600287	Spring, Gas	
1	22107478	Hinge, Control Panel	
2	35391101	Seal, Grease	Axle
2	35361864	Cone, Inner Bearing	Axle
2	35361872	Cup, Inner Bearing	Axle
2	36848158	Hub & Drum with Studs and Cups	Axle
2	35315183	Cup, Outer Bearing	Axle
2	35315191	Cone, Outer Bearing	Axle
2	22805436	Washer, Spindle	Axle
2	35315217	Nut, Spindle	Axle
2	22805444	Washer, Tang	Axle
2	35391127	Cap, EZ Lube Dust	Axle
2	46543690	Plug, EZ Lube Dust	Axle
10	22464648	Stud, Wheel	Axle
1	36888709	Jack Assembly	
1	35392562	Handle Assembly	Jack Assembly
2	36877579	Fender	
1	54482500	Door, Instrument Panel	
1	54482518	Latch, Plastic Endcap	Instrument Panel Door
1	36881076	Valve, Wye	
1	22926745	Filter, Fuel/Water Separator	Option
1	22926737	Element, Fuel Filter	Option
3	36899698	ProTec, 1 Gallon	
2	54480918	Oil, Engine 15W40 1 Gallon	

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
15894744	C-19	15898638	C-11	15899446	C-23	22291439	C-23
15894751	C-19	15898661	C-5	15899636	C-15	22404289	B-19
15894769	C-19	15898737	C-5	15899651	C-23	22406755	B-27
15894991	C-23	15898752	C-25	15899669	C-23	22436331	B-27
15895006	C-23	15898760	C-3	15899677	C-23		B-33
15895063	C-5	15898786	C-7	15899685	C-23		F-2
15895089	C-23	15898794	C-23	15899693	C-23	22464648	B-9
15895105	C-23	15898802	C-9	15899826	C-23		D-13
15895113	C-5	15898851	C-3	15899834	C-23		D-17
15895212	C-5		C-17	15899842	C-11		F-3
15895311	C-13		C-19	16538951	C-15	22469860	B-7
15895428	C-19	15898877	C-5	16538985	C-15		B-9
15896095	C-9	158988869	C-17	16539009	C-17	22482277	B-21
15896103	C-9	15898919	C-9	16539041	C-17	22487607SB	B-21
15896111	C-9	15898927	C-23	16539066	C-15	22487615SB	B-21
15896129	C-9	15898935	C-17	16539074	C-15	22489942	F-3
15896137	C-9	15898968	C-9	16539116	C-17	22511505	B-23
15896152	C-9	15898984	C-3	16539124	C-17	22532386	B-39
15896194	C-3		C-9	16539157	C-13	22610760	B-27
15896830	C-23	15898992	C-3	16539603	C-15	22610950	B-27
15896897	C-19	15899016	C-17		C-17		F-2
15897069	C-13	15899024	C-3	16539629	C-17	22616650	F-2
15897093	C-19		C-17	16539637	C-15	22685481	B-25
15897119	C-3	15899040	C-17	22054159	B-37		F-2
15897184	C-5		C-23	22054175	B-37	22685499	B-25
15897226	C-3	15899057	C-13	22068282	B-51		F-2
15897622	C-15	15899065	B-39	22070494	B-37	22685507	B-25
15897705	C-23		C-3	22090898	B-37	22685515	B-25
15898059	B-13		C-5	22107478	B-37		F-2
	C-23		C-9		F-3	22721195SB	D-5
15898091	C-7		C-21	22127385	B-37	22743736	B-51
15898109	C-23		C-23	22134118	B-37	22805436	B-9
15898117	C-15	15899073	C-11	22137418	B-37		D-13
15898125	C-7		C-13	22144521	B-5		D-17
15898133	C-3		C-15		D-3		F-3
15898182	C-3		C-17		D-6	22805444	B-9
	C-9	15899081	C-5		D-7		D-13
15898216	C-9	15899099	C-3		D-9		D-17
15898224	C-17		C-17	22171680	B-37		F-3
15898232	C-3		C-21	22171698	B-37	22823199	B-17
15898240	C-23	15899107	C-5	22195820	B-17		F-2
15898257	C-7		C-11		F-2	22892632	D-17
15898265	C-19	15899123	C-5	22226351	C-15		D-19
	C-23		C-23		F-2	22892657	D-11
15898273	C-21		C-25	22226369	C-21		D-13
15898307	C-9	15899131	C-5		F-2	22910699	B-31
15898349	C-21	15899149	C-3	22226385	B-39		B-37
15898356	C-17	15899156	C-11		C-21	22926737	B-39
15898364	C-5	15899164	C-25	22246276	B-10		F-3
15898372	C-5	15899180	C-5		D-20	22926745	B-39
15898430	C-9	15899198	C-3	22247951	B-39		F-3
15898513	C-15		C-13	22253041	D-20	23021561SB	B-21
15898539	C-23	15899206	C-25		D-21	23021579SB	B-21
15898554	C-19	15899214	C-17	22255558	C-25	23050180	B-41
15898562	C-11	15899362	C-5	22291363	C-5	23091796	B-23
15898570	C-23	15899370	C-23	22291389	C-23		

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
23138548SB	D-7	35278571	B-17	35295880	B-17	35369347	B-27
	D-9	35279025	B-3		B-21		B-33
23138555SB	D-6		B-5	35296342	B-21		B-37
23230857	B-51		B-13		B-39	35369354	B-27
23233059	B-51		B-19	35296409	B-25		B-33
23241045	B-51		B-21		B-33		B-37
23247604	B-23		B-23	35296425	B-17	35369503	B-27
23277452	C-3		B-25		B-33		B-31
23277460	C-3		B-27	35296748GB	D-23	35370386	B-13
23277478	C-3		B-39		D-25		B-31
23277528	C-23		B-41	35304047	B-13		B-37
23277585	C-21		B-43	35310622	B-45	35370469	B-5
23277593	C-25		B-45	35315183	B-9		D-3
23277601	C-25		D-3		D-13		D-6
23279078	B-17		D-5		D-17		D-7
	F-2		D-6		F-3		D-9
23286222	C-15		D-7	35315191	B-9	35374073	B-23
23321961	B-51		D-9		D-17	35374859	B-17
23334253SB	B-19		D-23		F-3		B-31
23334717	B-17		D-25	35315217	B-9	35376094	B-5
23360662SB	B-3	35279777	B-25		D-13		D-3
23362031	B-25		B-27		F-3		D-6
23364888	B-13		B-29	35315274	B-9		D-7
23365349SB	B-27		F-2		D-13		D-9
	B-33	35279785	B-27		D-17	35376110	B-17
35046275	D-11		B-29	35318757	D-21	35376334	B-15
	D-19	35279876	B-17	35322379	B-27	35376342	B-15
	D-20		B-31		B-29	35376359	B-15
35114545	B-27	35279942	B-25		F-2	35379064	B-27
	B-31		B-27	35324839	B-27		B-29
35117480	D-23		B-29		B-29		F-2
	D-25		F-2	35327212	B-19	35379817	B-15
35144492	B-27	35279959	B-17	35328467	B-13	35382621	D-28
	B-33		F-2		F-2	35382639	D-28
	D-23	35282565	B-10	35337328	B-45	35382647	D-28
	D-25		D-20		F-3	35382654	D-28
35153972	D-23		D-21	35356252	D-27	35382662	D-28
	D-25	35282904	B-17	35356484	B-31	35382670	D-28
35189885	B-27		B-31	35361864	B-9	35382688	D-28
	B-33	35282920	B-31		D-13	35384577	B-39
	D-23	35283464	B-27		D-17	35385191	D-13
	D-25		B-29		F-3	35389055	D-28
35209048	B-13	35284082	B-27	35361872	B-9	35391101	B-9
35221662	B-21	35287721	B-17		D-13		D-13
35221894	D-26	35290113	B-5		D-17		D-17
35221902	D-26		B-19		F-3		F-3
35221910	D-23		D-3	35363498	B-21	35391119	D-13
	D-25	35291988	D-20		B-39		D-17
35225077	B-43	35294677	B-31		F-2	35391127	B-9
35248319	F-2	35294750	B-17	35364397	D-23		D-13
35253038	B-41		B-31		D-25		D-17
35255025	D-27	35294768	B-17	35367044	B-41		F-3
35271170	B-39		B-21	35367051	B-41	35391135	D-13
35277706	B-10		B-25	35367846	B-27		D-17
	D-20		B-31	35369214	B-25	35391168	D-13
35278530	B-39		F-2		B-31	35391176	D-13

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
35391184	D-15	35611557	B-15	36796068	B-5	36883437	B-45
35391192	D-15	35611615	B-15		D-3		F-2
35391226	D-15	36026268	D-21		D-6	36883445GA	B-45
35391234	D-15	36043818	D-11		D-7	36883452GA	B-45
35391267	D-15		D-19		D-9	36883510SB	B-3
35391309	D-15		D-20	36797652	B-3	36883890SB	B-39
35391333	D-15	36073559	B-7		B-21	36884096	B-21
35391358	D-15		B-10		B-35	36884245	B-39
35391366	D-15		D-11		B-45	36884948	B-21
35391374	D-15		D-19	36840437	B-27	36885546	B-39
35391382	D-15		D-20		B-34	36886364SB	B-5
35391390	D-15	36073864	D-21		F-2		D-3
35391416	D-15	36074938	D-11	36844264	B-43	36886992	B-17
35391630	D-13		D-19	36846319	D-20		B-31
	D-17		D-20		D-21		F-2
35391648	D-13	36138295	B-21	36848158	B-9	36888709	B-5
35392307	B-39	36385111	B-39		F-3		B-11
35392521	B-11	36509073	B-5	36853257	B-43		D-3
35392539	B-11		D-3	36853265	B-43		F-3
35392547	B-11		D-6	36860005	B-43	36889509GA	B-45
35392554	B-11		D-7	36865293	B-45	36889608	B-21
35392562	B-11		D-9	36867596	D-17	36893634	B-41
	F-3	36511623	B-15	36867604	D-17	36894194GA	B-45
35392570	B-11	36514602	B-51	36877579	B-7	36894608	B-41
35392588	B-11	36755460SB	D-23		F-3	36894616	B-41
35392596	B-11		D-25	36877793	B-3	36895746	B-21
35393651	B-24	36757284SB	D-6	36878064	B-43	36896892	B-27
	F-2		D-7	36878379	F-2		B-31
35393669	B-24	36765188	D-26	36879203	B-3		F-2
	F-2	36766756	B-27		D-3	36897999	B-23
35393677	B-24	36766772	F-2		D-9	36898104	B-21
	F-2	36769032	B-13	36879211	D-6		B-39
35393685	B-24		F-2		D-7	36899698	F-3
	F-2	36769289	B-19		D-9	36920254	B-25
35393693	B-24	36769560	B-21	36879302	D-6		F-2
	F-2	36776219	D-23		D-7	36921377	B-27
35393701	B-24		D-25		D-9		B-29
35393719	B-24		D-28	36879492	B-5		F-2
	F-2	36779999	B-25		D-3	39179072	D-6
35576115	D-23		B-31		D-9		D-7
	D-25	36780609	B-43	36880623	B-3		D-9
35579630	B-25	36782167	B-21		D-5	39322284	B-15
35592435	B-13	36783488	B-43	36880896SB	B-3	39404165	B-27
	F-2	36787968	B-41	36880904SB	B-3		F-2
35596436	B-27	36788081	B-41	36881076	B-27	43213388	B-27
	B-29	36788172	B-17		B-33		B-29
	F-2		F-2		F-3	46491528SB	B-21
35600287	B-45	36789492	B-3	36881100	B-39	46492047	B-25
	F-3	36793602	B-45	36881886	B-21		B-33
35604065	B-37		F-2		B-39	46492492	B-47
35605187	B-5	36793743	B-43		B-45	46492575	B-46
	D-3	36793776	B-27	36881936	B-17		B-47
	D-6		B-29	36882165SB	B-3	46492682SB	B-13
	D-7	36794816	B-45	36882652SB	D-9	46492724SB	B-21
	D-9		B-51	36882660SB	D-3	46492732SB	B-21
35609874	B-19			36882934	B-21	46492757SB	B-21

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
46492765GA	B-21	46544862GB	D-5	46555528	C-17	54721220	B-37
	B-45	46544870GB	D-5	46555529	C-17	54721238	B-21
46492773SB	B-21	46544888GB	D-5	46555530	C-17		B-35
46492781	B-23	46545240	D-26	46555531	C-23		B-45
46492906GA	B-45	46546149	B-46	46555532	C-23	54724117	B-45
46492955	B-19		B-47	46555533	C-23	54726468	B-41
46492963	F-2	46546289	D-26	46555534	C-23	54749163	B-49
46492971	B-19	46549499	B-46	46555535	C-23	54749601	B-37
46492989	B-19	46551804	B-13		F-2	54757935	B-13
	F-2	46551891GB	D-23	46555536	C-23		C-15
46493250SB	B-3		D-25	46555537	C-17	54774146	B-37
46493383SB	B-3		D-26	46555538	C-17	90671242	D-26
46493391SB	B-3	46553435	B-51	46555539	C-19	92368687	B-7
46496212SB	B-3	46553542	B-15	46555540	C-19		B-21
46496295	B-21	46553553	B-15	46555541	C-19		B-23
46496303	B-21	46553556	B-15	46555542	C-19		B-41
46496451SB	B-27	46553557	B-15	46555543	C-19		D-23
	D-23	46553985	B-13	46555544	C-19		D-25
	D-25	46554951SB	B-13	46555545	C-19	95022307	B-17
46496758SB	D-5	46554991	C-3	46555546	C-19		F-2
46496899SB	B-21	46554992	C-9	46555547	C-21	95058053	B-15
46497327SB	B-35	46554993	C-9	46555548	C-21	95072971	D-26
46497400	B-46	46554994	C-9	46555549	C-21	95219770	B-27
	B-47	46554995	C-9	46555550	C-25		B-33
46497616	B-17	46554996	C-11	46555551	C-25	95219861	D-23
	B-33	46554997	C-9	46555552	C-26		D-25
46498028SB	B-45	46554998	C-9	46555558	C-11	95220604	B-19
46498036GB	B-3	46554999	C-11	54429295	B-13	95235131	B-21
46499307	B-17	46555500	C-11	54429303	B-13	95286530	D-23
46499364	B-35	46555501	C-11	54454756	B-49		D-25
46499562SB	B-23	46555502	C-11		B-51	95287629	B-17
46499596	B-23	46555503	C-11	54471057	B-19		B-31
46541405	B-27	46555504	C-11	54473517	B-45	95358297	D-26
	B-33	46555505	C-11	54473525	B-45	95446340	B-27
46542163	B-17	46555506	C-13	54480918	F-3		B-34
	B-19	46555507	C-13	54482500	B-37	95923298	B-43
46543138SB	B-45	46555508	C-13		F-3	95923348	B-11
46543435	D-17	46555509	C-13	54482518	B-37	95928040	D-23
46543443	D-17	46555510	C-13		F-3		D-25
46543450	D-17	46555511	C-13	54519202	B-45		D-26
46543468	D-17	46555512	C-13	54568753	B-51	95928164	B-25
46543476,	D-17	46555513	C-13	54568761	B-49	95928172	D-23
46543484,	D-17	46555514	C-13	54568779	B-49		D-25
46543492	D-17	46555515	C-7		B-51	95928198	D-23
46543500	D-17	46555516	C-7	54568787	B-49		D-25
46543518	D-17	46555517	C-15	54568795	B-51	95928222	D-26
46543526	D-17	46555518	C-15	54568803	B-51	95928248	D-23
46543534	D-17	46555519	C-15	54602719GA	B-21	95928321	D-23
46543542	D-17	46555520	C-15		B-45		D-25
46543583GB	B-3	46555521	C-15	54604921	B-51	95934584	D-26
46543591GB	B-3	46555522	C-15	54604962	B-49	95934907	B-5
46543682	B-9	46555523	C-15	54604970	B-51		D-3
	D-13	46555524	C-15	54629902	B-51		D-6
	D-17	46555525	C-17	54640016	B-49		D-7
46543690	B-9	46555526	C-17		B-51		D-9
	F-3	46555527	C-17	54721212	B-37	95934998	B-13

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
95935003	B-13						
	B-27						
95935029	B-13						
	F-2						
95935086	B-13						
	F-2						
95935599	B-31						
	B-37						
95937413	D-26						
95941373	D-27						
95944542	B-27						
	B-33						
	D-23						
	D-25						
95953378	B-27						
	B-33						
95953600	D-27						
96701461	B-13						
	F-2						
96701750	B-5						
	D-3						
	D-6						
	D-7						
	D-9						
96702170	B-15						
96702279	B-13						
	B-27						
	B-33						
96702816	B-13						
	B-23						
96702824	B-13						
96704630	B-5						
	D-3						
96726435	B-39						
96727623	B-21						
96739958	B-13						
96747142	B-7						
	D-11						
	D-19						

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
----------	------	----------	------	----------	------	----------	------

WORD INDEX

CPN

2-Part Drawbar WarningB-51
3-Part Danger/WarningB-51

A

Adapter
 1.25" NPT X 1.62"-12B-27, B-33
 Oil Pressure SwitchC-15
Adjuster
 BeltC-25
AirendB-17
AlternatorC-25
AngleB-43
 Radiator SupportB-21
 Roof TieB-3
Assembly
 Air CleanerB-23
 FlywheelC-7
 Gear CaseC-3
 Separator FilterF-2
Axle
 Hydraulic BrakeD-17, D-19
 Standard without BrakesB-7, B-9

B

Baffle
 BreatherC-9
 Cooler BottomB-21
 Radiator BottomB-21
 Top LHB-21
 Top RHB-21
Bail
 CRBSD LiftB-3
 STSD LiftB-3
Ball
 RetardD-26
BatteryB-43
Battery Gas WarningB-51
Bearing
 BallB-15
 Hose ReelD-26
 Rod End 5/16"-24B-13
 Rod End 5/16"-24 X 2.50"F-2
Belt
 FanF-2
Binder
 3 RingB-51
Body
 Air CleanerB-24
 Minimum Pressure ValveD-28

Bolt

AdjusterC-25
Caster Wheel 1/2"-13 X 3.18"B-11
Collar Head M08 X 30C-5
FlywheelC-7
Hex Socket Head M4 X 14C-19
Joint 3C-17
M 8 X 85 PlatedC-3
M06 X 14 PlatedC-17
M06 X 16 PlatedC-3, C-17
M06 X 55 PlatedC-23
M08 X 100C-13
M08 X 12 PlatedC-17, C-23
M08 X 14 PlatedC-13
M08 X 16 Plated B-39, C-3, C-5, C-9, C-21, C-23
M08 X 20 PlatedC-11, C-13, C-15, C-17
M08 X 22 PlatedC-23
M08 X 30 PlatedC-3, C-17, C-21
M08 X 35 PlatedC-5, C-11
M08 X 45 PlatedC-5, C-23, C-25
M08 X 50 PlatedC-5
M08 X 55 PlatedC-3
M08 X 60 PlatedC-23
M08 X 65C-13
M08 X 80 PlatedC-11
M08 X 85C-13
M08X 25 PlatedC-5
M10 X 25C-5
M10 X 30C-5
M12 X 25 PlatedC-25
M6 JointC-19
Pipe JointC-17
V-PulleyC-7
Bolt 10
 Pipe JointC-17
Bolt Assembly
 JointC-17
Bottle
 Coolant RecoveryB-21
Bowl
 Fuel FilterB-39
Box
 RelayB-23
Bracket
 Air CleanerB-23
 Air Cylinder MountingB-13
 Engine MountingB-13
 Fuel / EtherB-39
 Hose Reel LockD-23, D-25
 Oil CoolerC-15
 Oil FilterC-15
 Roof AttachmentB-21
 Separator ElementB-27, B-33
 Service PipeB-27, D-23, D-25
Bracket Assembly
 Oil FilterC-15

WORD INDEX

Brake
 LH Electric w/ ParkD-13
 RH Electric w/ ParkD-13
 Brake Assembly
 LH HydraulicD-17
 RH HydraulicD-17
 Bumper
 RubberB-45
 Bushing
 NitrileB-39

C

Cable
 Negative BatteryB-43
 Positive BatteryB-43

Cap
 Coolant Recovery BottleB-21
 EZ Lube DustB-9, D-13, D-17, F-3
 Flywheel CoverC-5
 FuelB-39
 Hex -12 JICB-31
 Hex -12JICB-25
 Hose LockD-23, D-25
 JackB-11
 Minimum Pressure ValveD-28
 Oil FillerC-3, C-9
 RadiatorB-21
 SpringB-15

Card SetB-51

Case Assembly
 Oil SealC-5

Caster WheelB-11

Chain & Hook AssemblyB-5, D-3, D-6, D-7, D-9

Channel
 Pintel Mounting 3 PositionD-6, D-7

Clamp
 12C-21
 22C-11
 48C-11
 5/8" SupportB-43
 60C-11
 9 HoseC-19, C-23
 CW-TC-23
 HoseB-21
 Hose 25C-15, C-17
 Saddle 2.5"B-13
 Support 3/8"B-41
 T-Bolt 2.87"B-23
 T-Bolt 3.62"B-23
 Tube SupportC-17
 Worm GearB-21, B-39

Clip
 RetainingB-24, F-2

Cone
 Inner BearingB-9, D-13, D-17, F-3
 Outer BearingB-9, D-13, D-17, F-3

Connector
 1-5/8"-12 X -20 JICB-27, B-29
 -24JIC X 1.88"-12B-25, B-33
 -4 JIC X 1/8" NPTB-17, B-31
 -6 JIC X 1/4" NPTB-27
 Male 1/4" NPT X 3/8" TubeB-27, B-33, B-37
 O-Ring 1.06"-12 X -12 JICB-17, B-21
 Swivel Nut -6 JIC X 1/4" NPTB-27

Controller
 SECUB-35

Cooler
 OilB-21

Cooler Assembly
 OilC-15

Coupling
 Straight 1/8" NPT X .75"B-37
 Straight 1/8" NPT X 3/4"B-31

Coupling Assembly.B-19

Cover
 Air CleanerB-24, F-2
 BearingD-26
 BlindC-3
 Engine Oil DrainB-3, D-5
 Front SealB-15
 Fuel PumpC-3
 InletB-15
 Lower Cooler AccessB-45
 ThermostatC-23
 Top Cooler AccessB-45

Cover Assembly
 ValveC-9

Cross Member EndcapB-21, B-45

Crossmember
 Airend SupportB-19
 Lift BailB-3

Cup
 Inner BearingB-9, D-13, D-17, F-3
 Outer BearingB-9, D-13, D-17, F-3

CV AssemblyD-28

Cylinder
 AirB-13, F-2

D

Decal
 12.25" Stacked IR LogoB-47
 6.50" Stacked IR LogoB-46
 8" DoosanB-46, B-47
 Engine & Compressor OilB-49, B-51
 IR Logo 34"B-46, B-47
 P185 Model NumberB-46, B-47
 Push After WarmupB-37
 Tire LoadB-51
 WW Instrument PanelB-37

Diaphragm
 BreatherC-9

Diesel FuelB-51

Dipstick
 Lubricating OilC-15

WORD INDEX

Door
 Instrument Panel B-37, F-3
 Side B-45
 Drawbar B-5, D-3
 Heave Duty Standard Height D-6
 Heavy Duty Extended Standard Height . D-7, D-9

E

Elbow
 1/4" NPT X 3/8" Tube B-27, B-33
 3/8" NPT C-17
 45° O-Ring 1.88"-12 X -24 JIC B-17, B-33
 45° Street 3/4" NPT D-23, D-25
 45° Swivel Nut -4 JIC B-27, B-34
 90° 1.25" NPT X -26 JIC D-23, D-25
 90° 1.25" NPTF X -26 JIC D-23, D-25
 90° 1/4" NPT X 3/8" Tube B-37
 90° 1-5/8"-12 X -20 JIC . . B-25, B-27, B-29, F-2
 90° Male 1/4" NPT X 1/4" Tube B-27, B-29
 90° O-Ring 1.06"-12 X 3/4" Tube . . . B-17, B-31
 90° O-Ring 7/16"-20 X -4 JIC B-17, B-31
 90° Street 3/4" NPT D-23, D-25
 90° X 1.25" NPT B-27, B-33
 90° X 1/8" NPT X 3/8" Tube . . . B-13, B-31, B-37
 Bottom Sight Tube B-25, F-2
 PT1/4 C-15
 Street 1/2" NPT B-25
 Top Sight Tube B-25, F-2

Element

 Compressor Oil Filter B-17, F-2
 Drive Coupling B-19, F-2
 Engine Oil Filter C-15, F-2
 Fuel F-2
 Fuel Filte C-21
 Fuel Filter B-39, F-3
 Primary B-24, F-2
 Safety F-2
 Safety (Optional) B-24
 Separator B-27, B-33, F-2
 Thermostat 150° - 170° F B-17, F-2

Endcap

 Front B-45
 Rear B-45

Engine

 4TNV84T-BMIRD B-13

EPA Noise B-51

Eye

 Pintel B-5, D-3, D-6, D-7, D-9

F

Fan B-13
 Fender B-7, F-3
 Filter
 Fuel/Water Separator B-39, F-3
 Filter Head B-27

Fitting

 1/8" Lube D-26
 4 Hose C-19
 Zerk B-9, D-13
 Zerk 1/4"-28 D-17

Flange

 Gear Case C-3
 Frame B-3
 Heavy Duty D-5
 WW Instrument Panel B-37

G

Gasket

 16 C-23
 8 Round C-23
 Exhaust Manifold C-13
 Fuel Cap B-39
 Intake Air Heater C-11
 Manifold C-11
 Oil Filter C-15
 Round M10 C-17
 Thermostat C-23
 Thermostat Case C-23
 Thermostat Cover C-23
 Turbo to Manifold C-13
 Turbo to Muffler C-13
 Valve Cover C-9
 Water Pump C-23
 Water Pump to Block C-23

Gasket Set C-26

Gauge

 150 PSI Pressure B-37

Gear

 Drive B-11
 Ring C-7

Grommet

 Clearance Light B-41
 Screw B-45
 Tail Light B-41

Guard

 Fan B-21
 Front Toolbox B-3
 Mid Toolbox B-3
 Rear Toolbox B-3

Guide

 Dipstick C-15

H

Handle Assembly B-11, F-3

Harness

 Trailer B-41

Head

 Fuel Filter C-21

Heater

 Air C-11

High Pressure Warning B-51

WORD INDEX

Hinge		
Control Panel	B-37, F-3	
Door	B-45, F-2	
Hlitch		
2.00" Ball (OPTION)	B-5, D-3, D-6, D-7, D-9	
2.31" Ball (OPTION)	B-5, D-3, D-6, D-7, D-9	
Hose		
.5/16" Fuel	B-39	
Air Intake	C-11	
Airend Discharge -24 JIC	B-17, B-33	
Bottom Radiator	B-21	
Breather	C-9, C-11	
Engine Intake	B-23	
Flexible Air Intake 3.0" X 15.75"	B-23	
Fuel .5/16" ID	B-21, F-2	
Intake	C-11	
Top Radiator	B-21	
Turbocharger Oil Drain	C-17	
Hose Assembly		
-12 JIC X 13"	B-31	
-12 JIC X 17"	B-17	
-12 JIC X 54"	B-17	
-12 JIC X 65"	B-17	
-20 X 33"	D-23, D-25	
-4 JIC X 1125 mm	B-17, B-31	
-4 JIC X 30"	B-31	
Breather	C-11	
Hot Pressurized Fluid Warning	B-49	
Hourmeter		
Elect/Mech	B-37	
Housing		
Flywheel	C-5	
OTBV	B-17	
Hub		
Coupling	B-19, F-2	
Hub & Drum with Studs	D-17	
Hub & Drum with Studs and Cups	D-13, F-3	
Hub with Studs and Cups	B-9	
I		
Improper Operation	B-49	
Insert		
1/4" Tube	B-25	
Isolator	B-13	
Rubber	B-19	
J		
Jack Assembly	B-5, B-11, D-3, F-3	
J-Bolt	B-43	
Joint		
Breather	C-11	
PT1/4	C-15	
Pump	C-23	
K		
Key		
M8 X 10 X 60	B-19	
Kit		
Adjusting Screw	D-17	
Brake Shoe	D-15	
LH Wheel Cylinder	D-17	
Magnet	D-15	
RH Wheel Cylinder	D-17	
Shoe Lining	D-17	
Spring (Includes all Springs)	D-17	
Wheel Cylinder Repair	D-17	
Knob	C-9	
Knob Assembly (Included w/ Item 2)	B-37	
L		
Lamp		
14 VDC (Replacement)	B-37	
Latch		
Door Slam	B-45, F-2	
Plastic Endcap	B-37, F-3	
Lever		
LH Parking Brake	D-17	
Parking Brake	D-15	
RH Parking Brake	D-17	
Shoe	D-17	
Lever Kit		
LH Actuating	D-15	
RH Actuating	D-15	
Lifter		
Engine	C-9	
Light		
Amber Clearance	B-41	
Combo Tail	B-41	
License	B-41	
Red Clearance	B-41	
Link		
LH Toggle	D-17	
RH Toggle	D-17	
Lock		
Coupling Hose	D-23, D-25	
Lubricator		
1 qt.	D-27	
2 qt.	D-27	
Lunette		
Adjustable Height	D-3, D-9	
M		
Manifold		
Air Intake	C-11	
Exhaust	C-13	
Hose Reel	D-23, D-25	
Muffler	C-13	

WORD INDEX

N

Nipple
 0.25" NPT B-27, B-29
 1-1/4" X 2" D-27
 Close 3/4" NPT X 1.38" D-23, D-25, D-26
 Filter Air-Oil B-27
 Long 1.25" NPT X 7" B-27, B-33
 Long 1.25" X 7" D-23, D-25
 NO Ether B-49, B-51
 Nozzle
 0.395" Orifice Sonic B-27, B-29, F-2
 Nut
 Brake Mount Hex D-17
 Brake Mounting D-13
 Hex 5/16"-24 B-13, F-2
 Hex Flange M10-1.5 C-25
 Hex Flange M06-1.0 B-13, B-21, B-39, F-2
 Hex Flange M08-1.25 B-21, B-39, C-3, C-13
 Hex Flange M08-125 B-45
 Hex Flange M12-1.75 B-3, D-3, D-9
 Hex Flange M16-2.0 D-6, D-7, D-9
 Hex Lock 1/4"-20 B-27, B-33
 Hex Lock M08-1.25 D-23, D-25
 Hex M06-1.0 C-17
 Hex M16-2.0 B-5, D-3, D-6, D-7, D-9
 Hex Nyloc 1/2"-13 B-11
 Hex Nyloc M08 B-39
 Hex Nyloc M12-1.75 B-13
 Hex Nyloc M16-2.0 B-5, D-3
 Lock 1/4"-20 B-43
 Oil Cooler C-15
 Plastic #4-40 B-37
 Spindle B-9, D-13, D-17, F-3
 Wheel B-9, D-13, D-17
 Nutsert
 Hex M08 B-21

O

Oil
 Engine 15W40 1 Gallon F-3
 Oil Fill B-51
 Operating Instructions B-49
 Orifice
 Muffler 0.062" F-2
 Muffler 0.093" B-27, B-29
 Muffler 0.094" F-2
 Muffler 0.140" B-27

O-Ring C-15, C-17
 .644 X .087 B-27
 .92 X .12 B-21, B-25
 0.35" ID X .08" Cross Sect. B-17, F-2
 0.47" ID X .08" Cross Sect. B-17
 0.64" ID X 0.09" Cross Sect. F-2
 0.92" ID X 0.12" Cross Sect. B-17, F-2
 0.92" X .12" B-31
 1.48" ID X 0.11" Cross Sect. F-2
 1.625" X .18 D-26
 1A P 12.0 C-9
 1A P-32.0 C-9
 2 - 32 B-27
 2.62" ID X 0.14" Cross Sect. B-17, F-2
 32 mm ID X 2 mm Cross Sect. F-2
 3-20 B-25, B-27, B-29
 4.38" X 0.14" B-15
 4D P-16.0 C-17
 5.0" X 0.14" B-15
 F.I. Pump C-3
 G30 Water Pump C-23
 Minimum Pressure Valve D-28
 O-Ring 1A G-60.0 C-15
 O-Ring 1A P-32.0 C-3
 O-Ring 1A S-24.0 C-3
 O-Ring P16 C-3

P

Packing
 Fuel Return C-19
 Pan
 Center Belly B-3, D-5
 CRBSD Belly B-3, D-5
 STSD Belly B-3, D-5
 Pan Assembly
 Oil C-5
 Panel
 Instrument B-37
 Side B-45
 Pin
 8 X 16 Dowel C-5
 Roll B-11
 Shoe Hold Down D-15
 Pipe
 Cooling Water C-15, C-23
 Exhaust B-13
 Fuel Oil C-21
 Fuel Return C-19
 Knock L=18 C-3
 Oil Return C-17
 Water A MP2 C-23
 Water B MP2 C-23

WORD INDEX

Pipe Assembly
 #1 InjectionC-19
 #2 InjectionC-19
 #3 InjectionC-19
 #4 InjectionC-19
 A MP2C-23
 B MP2C-23
 FuelC-21
 Fuel OilC-21
 OilC-17
 Oil Cooler to Water PumpC-15
 ReturnC-19
 PistonD-28
 UnloaderB-15
 Plate
 BackD-17
 BaffleC-9
 Bail EyeB-3
 BreatherC-9
 CenterC-9
 SpacerD-5
 Water Pump BackC-23
 Plate Assembly
 LH BackD-15
 RH BackD-15
 PlugC-9
 1-5/8" O-RingB-25
 Adjusting SlotD-15
 CapB-24, F-2
 Drain R03C-23
 EZ Lube DustB-9, D-13, D-17, F-3
 Hex Countersink 1-1/4"D-23
 Hex Countersink 3/8" NPTD-26
 Hole 2"B-45
 M16C-23
 M22 DrainC-5
 NPT1/8C-23
 PT 1/4 SteelC-23
 Plunger Pin KitB-11
 ProTec
 1 GallonF-3
 Pump
 InjectionC-17
 Pump Assembly
 Fuel FeedB-39
 WaterC-23
 Pump Assy
 Fuel FeedC-21

R

RadiatorB-21
 Radiator FillB-49
 Reel
 HoseD-23, D-25, D-26
 Reflector
 AmberB-41
 RedB-41

Relay
 70 AB-23
 Repair Kit
 DiaphragmB-27, B-29, F-2
 Retainer
 PipeC-17
 PumpC-17
 Retainer Assembly
 2 TubeC-19
 4 Injector PipeC-19
 Rivet
 3/16" AluminumB-37
 3/16" X 1/8"B-45, B-51
 RoofB-45
 Rotating Fan WarningB-49, B-51
 Running Gear
 EZ-Lube Electric BrakesD-11, D-13

S

Screw
 11/32" HI-LOB-21, B-35, B-45
 Brake MountingD-13
 Hex 1/4"-10 X.3/4"B-45
 Hex 3/8"-16 X 1.50"D-26
 Hex Flange M06-1.0 x 50B-21
 Hex Flange M08-1.25 x 25B-21
 Hex Flange M12-1.75 X 25 ...B-3, B-5, D-3, D-9
 Hex Flange M12-1.75 X 40B-3
 Hex Flange M16-2.0 X 30B-7, D-11, D-19
 Hex Flange M16-2.0 X 50D-6, D-7, D-9
 Hex M06-1.0 X 25B-13, F-2
 Hex M08-1.25 X 100B-39
 Hex M08-1.25 X 16B-13, B-23
 Hex M08-1.25 X 20B-13
 Hex M10-1.5 X 20B-27, B-33
 Hex M10-1.50 X 20B-13
 Hex M12-1.75 X 70B-13
 Hex M16 -2.0 X 50D-6, D-7, D-9
 Hex M16-2.0 X 120B-5, D-3, D-6, D-7, D-9
 Hex M16-2.0 X 75B-5, B-19, D-3
 M05 X 10 TappingC-9
 M06-1.0 X 15C-23
 Pan Head M06-1.0 X 16B-37
 Plastic TappingB-37
 Set M08-1.25 X 12B-19
 Socket Head Cap 3/8"-16 X .3/4"B-19
 Socket Head Cap M10-1.5 X 30B-17, B-19
 Socket Head Cap M10-1.50 X 35B-15
 Tapping M04 X 25B-51
 Tapping M06-1.0 X 12 ...B-3, B-21, B-35, B-45
 Tapping M06-1.0 X 14 ..B-7, B-21, B-23, B-41, D-23, D-25
 Tapping M08-1.25 X 20 ..B-3, B-5, B-13, B-19, B-21, B-23, B-25, B-27, B-39, B-41, B-43, B-45, D-3, D-5, D-6, D-7, D-9, D-23, D-25
 Tapping M08-1.25 X 40B-39
 Screw Assembly
 AdjustingD-15

WORD INDEX

Seal

EZ-Lube GreaseD-13
 Front OilC-3
 Grease B-9, D-17, F-3
 Lip 67.25 X 48.12B-15
 OilC-5
 PipeC-19
 U-Cup 1.88" OD X 1.63" ID B-17, F-2
 U-Cup 2.75" X 2.38"B-15

Serial Number PlateB-51

Shaft

BearingD-26

Shroud

FanB-21

Solenoid

StopC-17

Spacer

Belt AdjusterC-25
 Fan 50mmC-23
 Oil SumpC-5

Spring

AdjustingD-15
 Ball RetardD-26
 CV AssemblyD-28
 DiaphragmC-9
 Gas B-45, F-3
 Minimum Pressure ValveD-28
 PistonD-28
 PlateC-9
 RetractorD-15
 Shoe Hold DownD-15
 UnloaderB-15
 Unloader PistonB-15

Standpipe AssemblyB-39

Starter MotorC-25

Stem

PistonB-15
 ValveB-10, D-20, D-21

Stiffner

CRBSD EndcapB-45
 STSD EndcapB-45

Stop

DoorB-21, B-45

Strap

GroundB-43
 Hold Down ExteriorB-39
 Hold Down InteriorB-39

StudC-15, C-25

Ball M08-125 B-45, F-3
 M08 X 22C-13
 M8 X 20C-13
 M8 X 25C-3
 Wheel B-9, D-13, D-17, F-3

Support

Cooler Middle B-21
 LH Cooler B-21
 Muffler C-13
 RH Cooler B-21
 SECU B-35

Switch

Ignition B-37
 Oil Pressure C-15
 Pressure 12 PSI NO B-13
 Pressure 12PSI NOF-2
 Temperature 248° F B-17, B-27, B-29, F-2
 Water Temperature C-23
 Water Temperature NCB-13, F-3

Switch Assembly

Oil Pressure & Adapter C-15

T

Tank

Fuel B-39
 Separator B-25

Tee

1/8" NPT Male Run X 3/8"TubeB-17, B-31
 O-Ring 1.06"-12 SAE X -12 JIC X -12 JIC . B-25, B-31
 Run 1/4" NPT X 3/8" TubeB-27, B-31
 Street 1/4" NPTB-27, B-31

Thermostat C-23

Tire

P215/75R15B D-20
 ST205/75D15 B-10
 ST205/75D15C D-20
 ST225/75D15D D-20
 ST225/75D15D BIAS D-21
 ST225/75R15D D-20, D-21

Tire and Wheel

P215/75R15B D-11, D-19, D-20
 ST205/75D15C D-11, D-19, D-20
 ST225/75D15D D-11, D-19, D-20, D-21
 ST225/75D15D BIAS D-21
 ST225/75R15D D-11, D-19, D-20

Tire and Wheel AssemblyB-7, B-10

Tow Chains Notice B-51

Tray

Battery B-43

Tube

Air - Separator Tank to ElementB-25, B-33
 Discharge Service AirB-27, B-33
 Jack MountingB-5, D-3, D-6, D-7, D-9
 Oil Cooler to Water Pump Pipe C-15
 Sight GageB-25, F-2

Tubing

3/8" Synflex B-31

Turbocharger C-13

WORD INDEX

U

U-Bolt
1/4"-20 B-27, B-33
1/4"-20 X 1.94" dia. D-23, D-25
Union
1-1/4" NPT D-27

V

V. I. N. B-51
Valve
0.062" Orifice Check B-27, B-34, F-2
0.078" Check w/ O-Ring B-17, B-31, F-2
2-Way Start-Run B-31, B-37
Ball 1/4" NPT B-27, B-29
Ball 3/4"NPT D-23, D-25
Blowdown B-27, B-29, F-2
Drain 1/4" NPT X .3/8" B-21
Dust Ejector B-24, F-2
Globe D-26
Minimum Pressure Check D-23, D-25
OSHA Check D-23, D-25
Pressure Regulator 200 PSI B-27, B-31, F-2
Safety 200 PSI B-25, F-2
Unloader B-15
Wye B-27, B-33, F-3
Valve Assembly
Fuel Injection C-19
Minimum Pressure D-28
V-Belt C-23
V-Pulley
C.W. Pump B C-23
Crankshaft C-7

W

Washer C-7
10S Seal C-17
22S Seal C-5
3/8" Lock D-26
8S Seal C-3, C-17, C-19
Flat B-5, D-3, D-6, D-7, D-9
Flat 1/2" B-13, B-27
Flat 1/4" B-13, F-2
Flat 5/16" B-13
Flat 7/8" D-23, D-25
Plastic B-43
Snubber 2.25" X 5/8" B-19
Snubber 3.0" X 5/8" B-19
Snubbing B-13
Spindle B-9, D-13, D-17, F-3
Tang B-9, D-13, D-17, F-3
Wheel
15 X 6 B-10, D-20
15 X 6 6 ON 5.50 D-21

Y

Yoke
Caster Wheel B-11

Revision History

[illegible]

Revision History

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