

Illustrated Parts Breakdown 4400 Tier 3

400 Hz Generator Set Ground Power Unit

Specification.: ACE4400 60 – 100 kVA

Type: OM2245

IPB - ITW GSE 4400 Tier 3

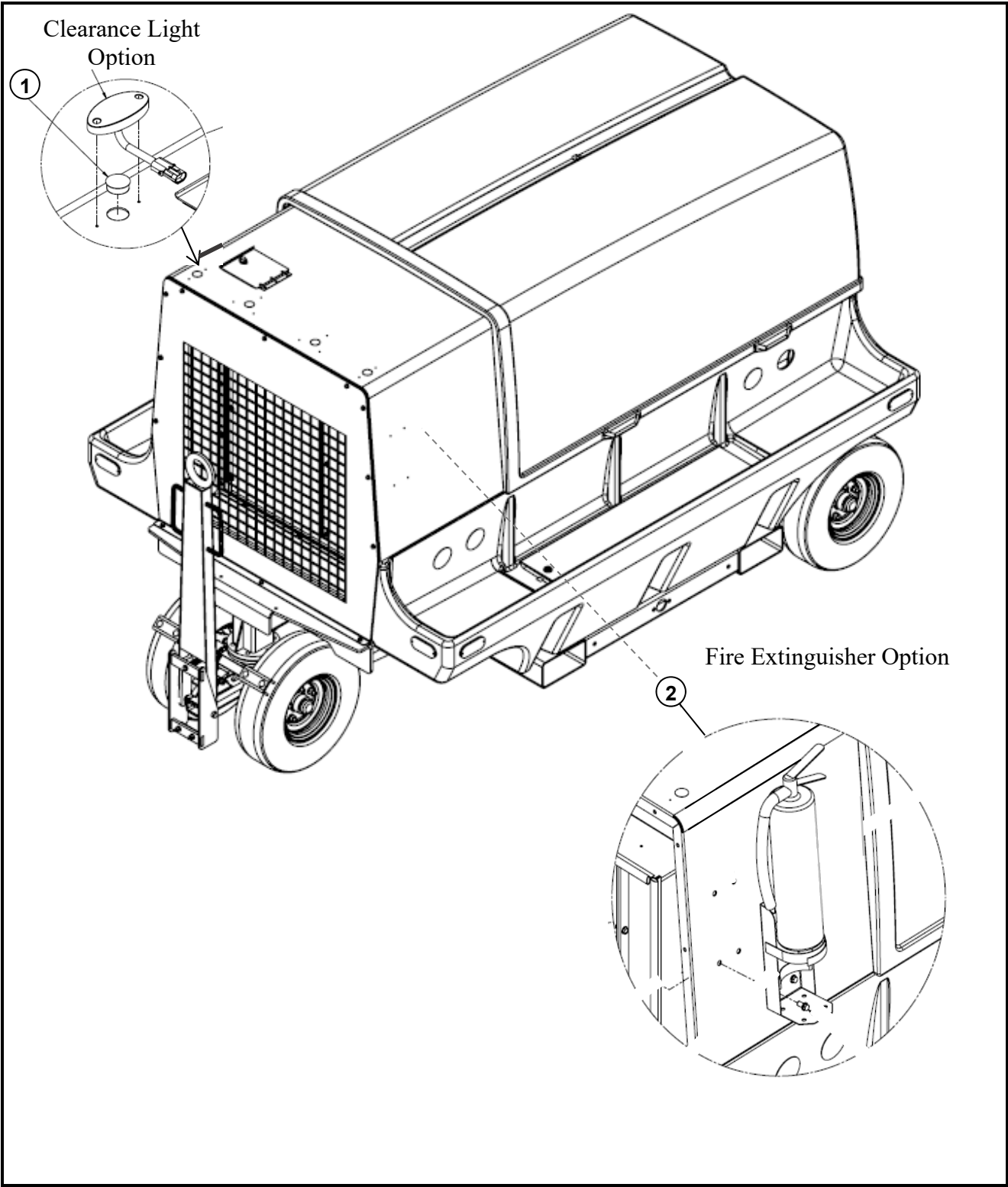


Figure 3-1. 4400-T3, 60/90/100 kVA, 3-Phase 115 Volt Generator Set (Sheet 1 of 3).

IPB - ITW GSE 4400 Tier 3

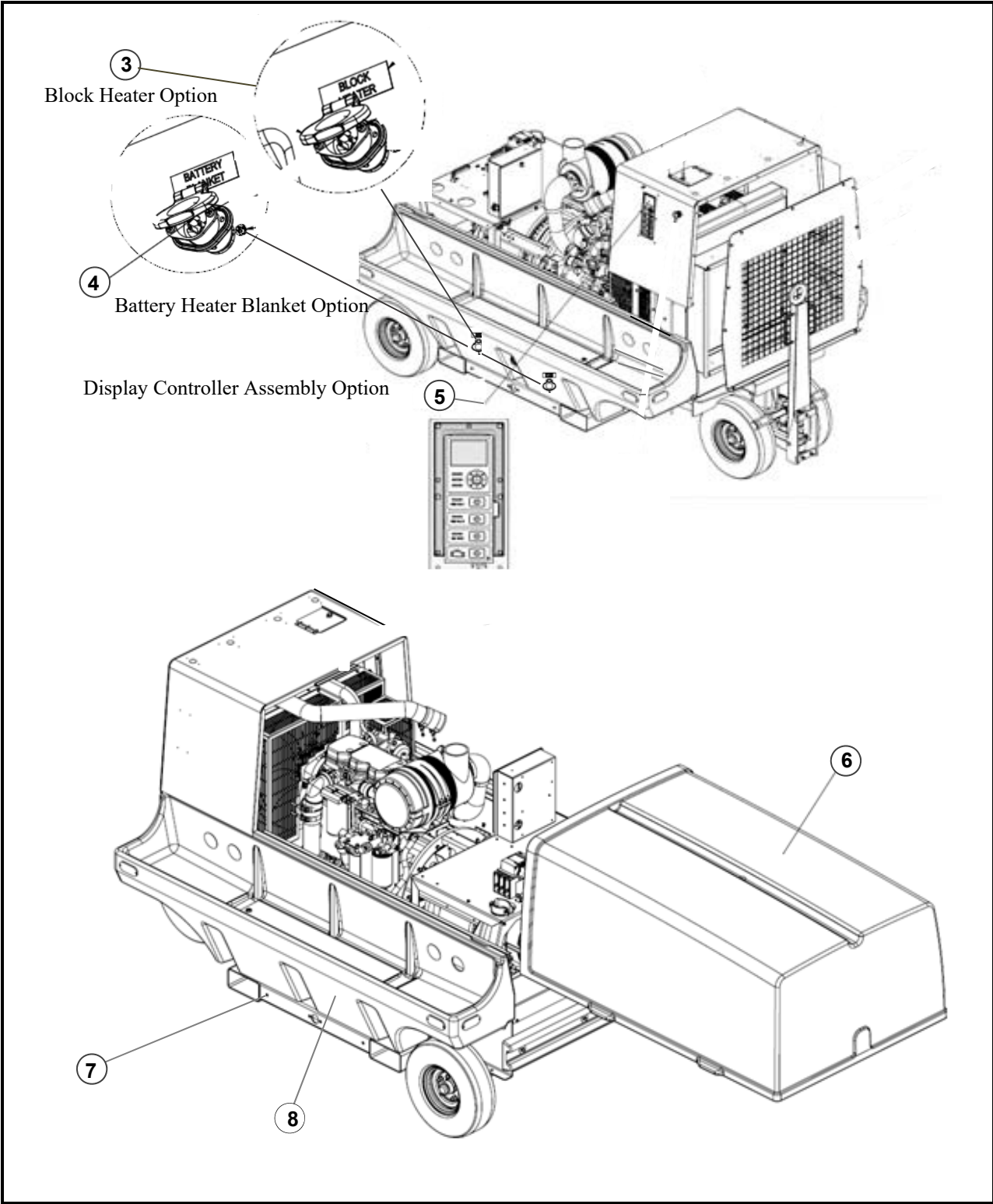


Figure 3-1. 4400-T3, 60/90/100 kVA, 3-Phase 115 Volt Generator Set (Sheet 2 of 3).

IPB - ITW GSE 4400 Tier 3

FIGURE – ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY	
3-1-	1	4400-T4 293098	REF 1	
	3	293503-XX Block Heater Option EC11421 Block heater 240V/750 293253 240V Receptacle cable assembly EC11750 Block heater 120V 293252 240V Receptacle cable assembly	1	
	4	293498-XX Battery Heater Blanket Option 293498-02 Dual Blanket 120V 293498-04 Dual Blanket 240V 293498-06 Dual Blanket 230V	1 1 1 1	
	5	Z293454-01 Z293454-02 Z293454-03 Z293454-04 *275190 *275191 *275192 *275193 293454 *579536 *278172 *AP-KB4104	Display Controller Assembly,1 400HZ Output Display Controller Assembly,1 400Hz and 1 DC Output Display Controller Assembly, 2 400HZ Output Display Controller Assembly 2 400Hz and 1 DC Output .. Membrane for Option, Single 400 hz Output .. Membrane for Option, Single 400 hz / 28 VDC Output .. Membrane for Option, Dual 400 hz Output .. Membrane for Option, Dual 400 hz / 28 VDC Output Panel, Display (membrane mounts to) ... Board, Display, must state 4400 Program for .. Cover, Display Assy .. Cable, Serial	1 1 1 1 1 1 1 1 1 1 1
	6	293084	.Top Canopy, Composite, Assy	1
	7	293161	.Trailer Assembly	1
	8	293073	..Cable Tray	1
	***	293195	Panel Front Radiator	1
	***	??????	Canopy, Front (Black)	1
	***	293109-XX	Beacon Light, Assembly Option	1
	***	IL11382	Beacon, Clear	1
		IL11383	Beacon, Red	1
		IL11384	Beacon, Blue	1
		IL11385	Beacon, Amber	1
		293057	**E Stop, w Cable	1
		285125	Guard, E Stop	1
		SR11446	**Battery Disconnect	4
		408665-002	Reflector, Rectangular Amber	4
		408665-001	Reflector, Rectangular, Red	1
		293119	Label, 90KVA	
		EC11500	Tank, DEF	1
		A052B705	Module, Pump	1
		IN11366	Thermo Jacket	1

IPB - ITW GSE 4400 Tier 3

Figure 3-1. 4400-T3, 60/90/100 kVA, 3-Phase 115 Volt Generator Set (Sheet 3 of 3).

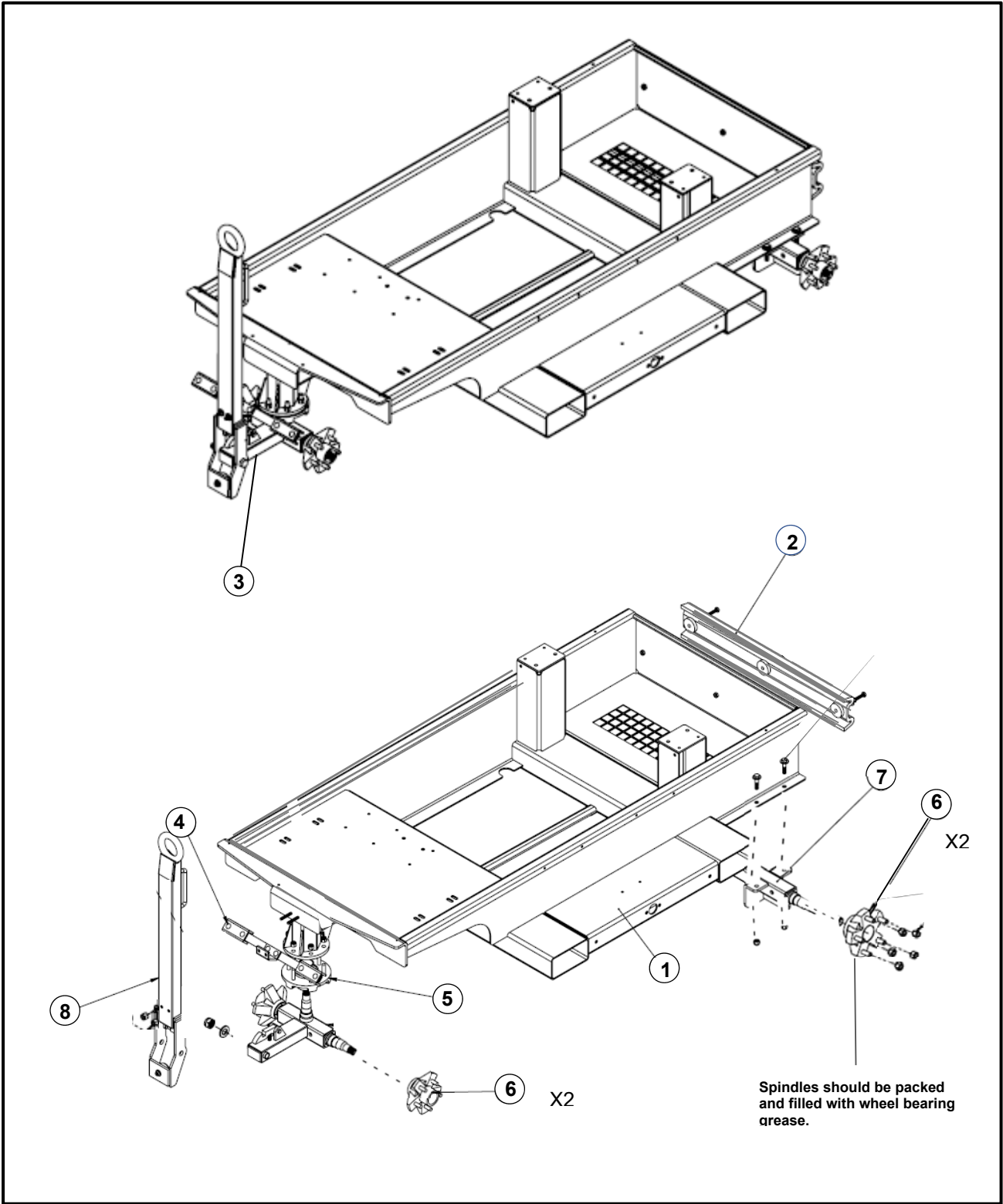


Figure 3-2, 4400-T3/JetEx8 Assy, Chassis/Running Gear (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-2-	1	293382 .Base Frame, 4400-T3 & JetEx8	1
	2	TA11449 ..Heavy-Duty Rubber Wall Guard	1
	3	293401 ..5 th Wheel Axle Assy	1
	4	293402 ..Parking Brake Assy	1
	5	84655UC1-EZ ..EZ Hub Hit, Pivot Hub "5 th Wheel" (Steel)	1
	6	84545UC1-EZ ..EZ Hub Hit, Wheel Hub "Rolling" (Steel)	4
	7	293399 ..Rear Axle Assy	1
	8	293400 .. Tow bar Assy	1
		293401-07 **Latch Tow bar	1
		*293290 Tow bar Din40 Eye (Optional)	1
		*293067 Kit, Braking Pad Assy	1

Figure 3-2, 4400-T3/JetEx8 Assy, Chassis/Running Gear (Sheet 2 of 2).

IPB - ITW GSE 4400 Tier 3

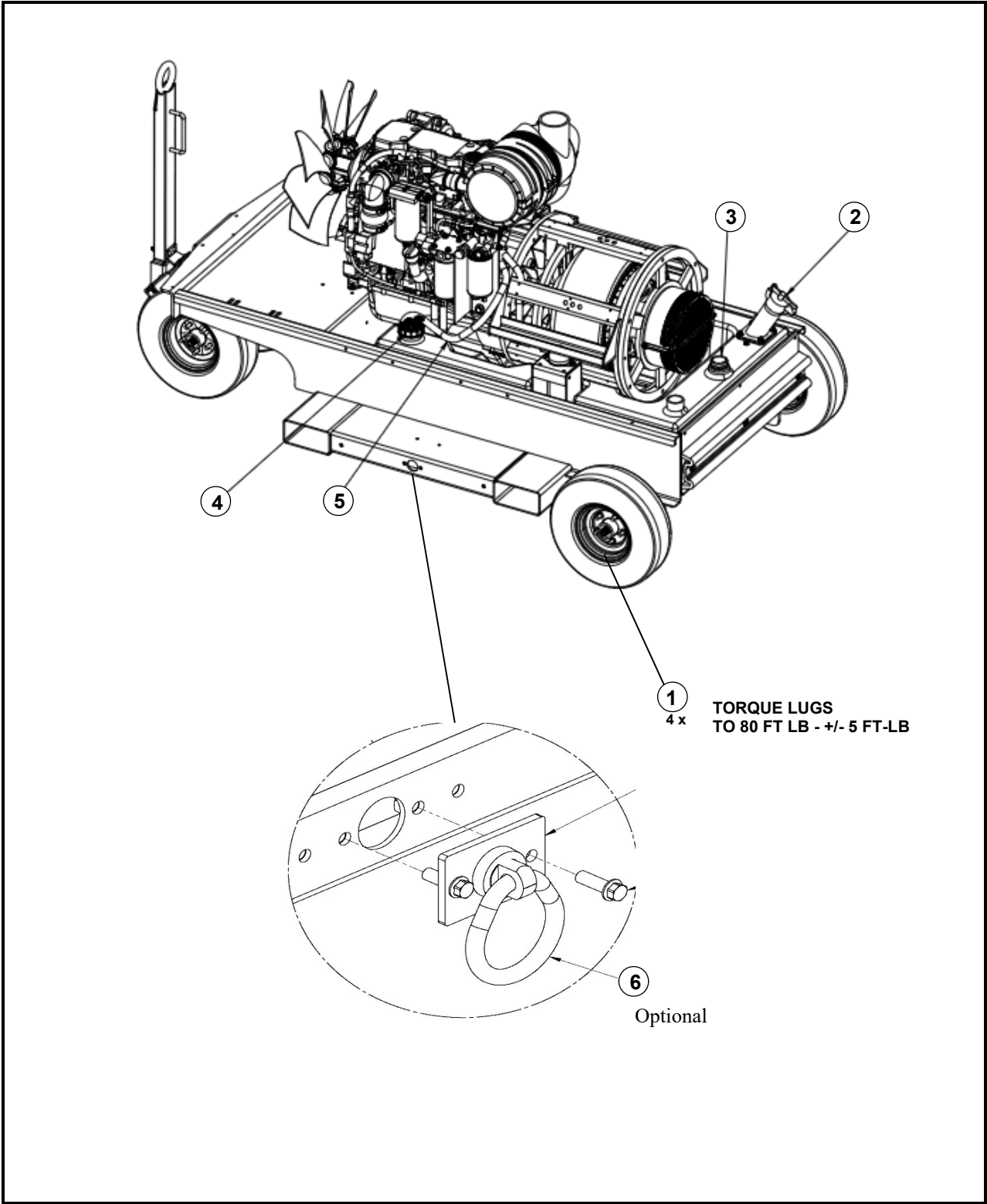


Figure 3-3. 4400-T3, Genset/Fuel Tank Installation, 60/90/100 kVA (Sheet 1 of 3).

IPB - ITW GSE 4400 Tier 3

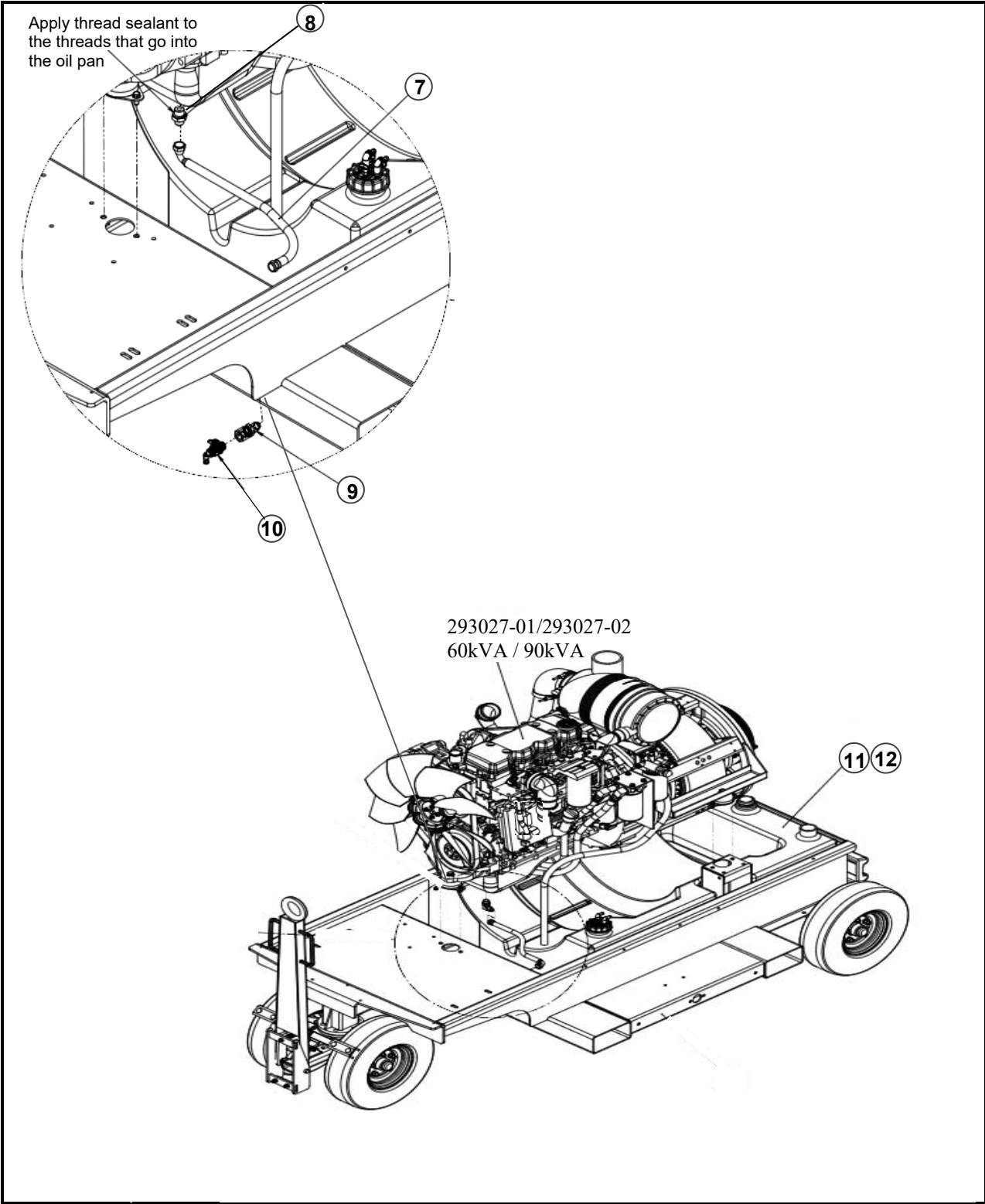


Figure 3-3. 4400-T3, Genset/Fuel Tank Installation, 60/90/100 kVA (Sheet 2 of 3).

IPB - ITW GSE 4400 Tier 3

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-3-	293034-XX	Genset/Fuel Tank Installation, 60/90/100kVA	REF
	293027-01	Genset Assembly, 60 kVA (See Figure 3-4)	1
	293027-02	Genset Assembly, 90/100 kVA (See Figure 3-4)	1
1	293182	..Tire, Super Grip GSE 500/570-8 ply rated, 18.5 OD (See Figure 3-2) – Torque to 80 FT-LB +/- 5 FT-LB	4
2	EB11439	..Protecto-seal, Fuel Cap Green	1
3	IL11359	.. Mechanical Fuel Gauge	1
4	SR11536	.. Fuel Sender with Coupling Cap	1
5		.. Hose, ¾" ID x 1" OD	1
6	293192	. Tie-Down Ring Option	1
7	293080	.Oil Drain Hose Assembly	1
8	FL11603	..Adapter-ST JIC to Metric 08JIC to 22mm	1
9	TS11478	..Adapter Flare to Female Pipe	1
10	VA11479	..Valve, Oil Drain, EZ L Type	1
11	293395	.Fuel Tank Composite Assembly, (See Figure 3-5)	1
12	293081	..Panel Fuel Filler Cover	1
*Item not illustrated			

Figure 3-3. 4400-T3, Genset/Fuel Tank Installation, 60/90/100 kVA (Sheet 3 of 3).

IPB - ITW GSE 4400 Tier 3

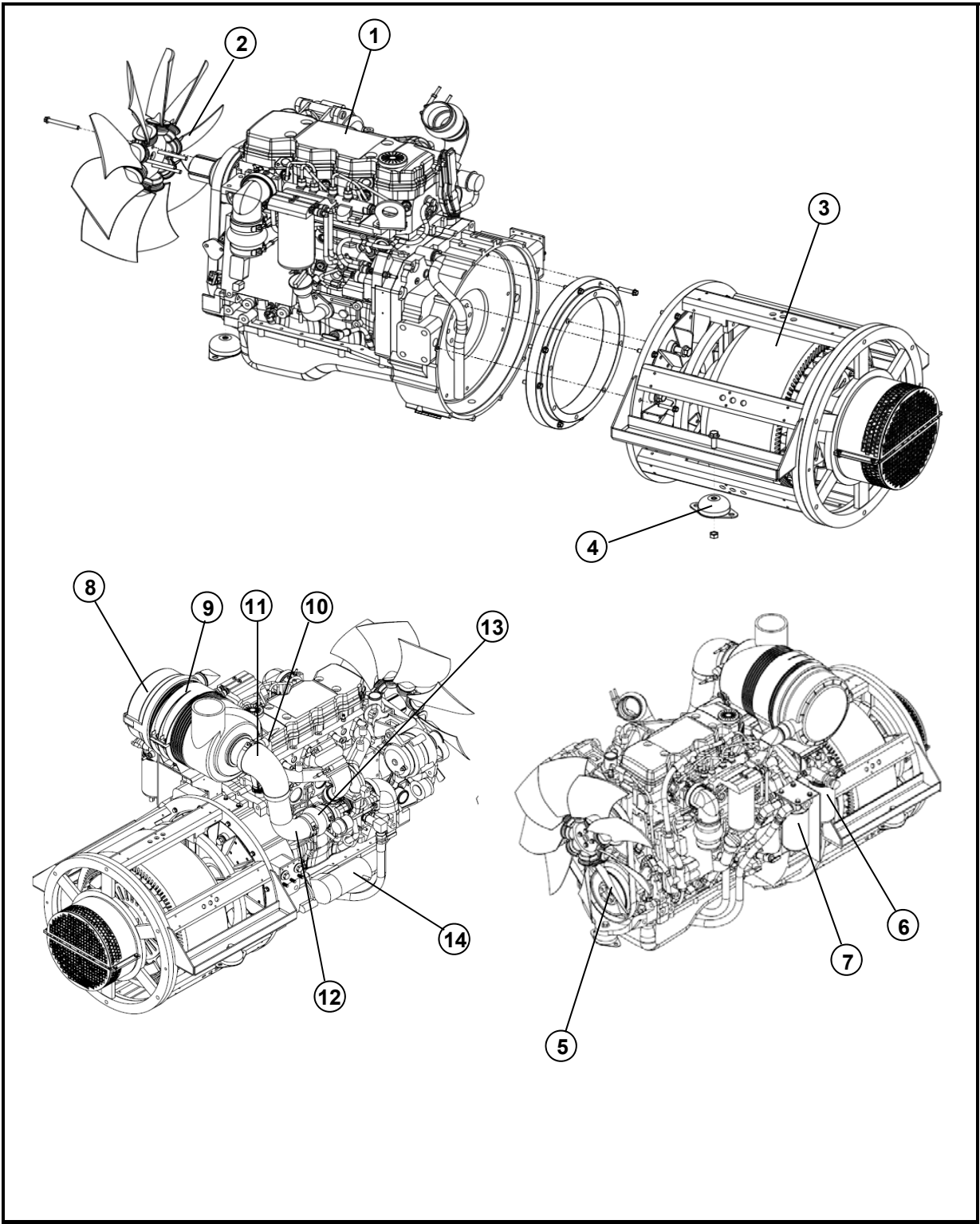


Figure 3-4. 4400-T3, Genset Assembly, 60/90/100 kVA (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-4-	293027-XX	Genset/Fuel Tank Installation, 60/90/100kVA	REF
1	293061	.. Engine, Cummins QSB4.5 Tier 3, 90kVA	1
	*293126	Engine, Cummins QSB4.5 Tier 3, 60kVA	1
2	FB11360	..Radiator Fan	1
3	288460-004	..Generator Assembly, 2000 RPM	1
4	VM11349	..Engine/Generator Mount	3
5	3289941	..Serpentine Belt	1
6	286897-031	..Lubricity Fuel Filter	1
	286897-036	..Primary Filter	
7	286897-029	..Oil Filter	1
	2864036	..Hose, Flexible toward engine (Cummins part)	
	2864172	..Hose Flexible toward canopy (Cummins part)	
8	EB11361	..Air Intake Filter, Assy	1
	P781039	..Element Air Cleaner	
		.. Primary Air Filter	
9	CY11362	...Air Filter	1
10	282918	..Indicator, Restrictor, Electric	1
11	FI11363	..90 Deg Elbow Reducer, 4-3	1
12	293031	..Tube, Air Filter Intake, 3" OD	1
13	AH11364	..Hump Hose Connector, 3" ID	1
14	EC11368	.. Motor Starter	1
	*CA11386	...Contactor, Starter, 24V DC	1
	*EC9045-01	...Thermostat	1
	*eE9247-02	..Alternator	1
			1
		*item not illustrated	

Figure 3-4. 4400-T3, Genset Assembly, 60/90/100 kVA (Sheet 2 of 2).

CUMMINS SPARE ENGINE PARTS

Visit

<http://www.quickserve.cummins.com>

To

Setup Cummins Online Account

IPB - ITW GSE 4400 Tier 3

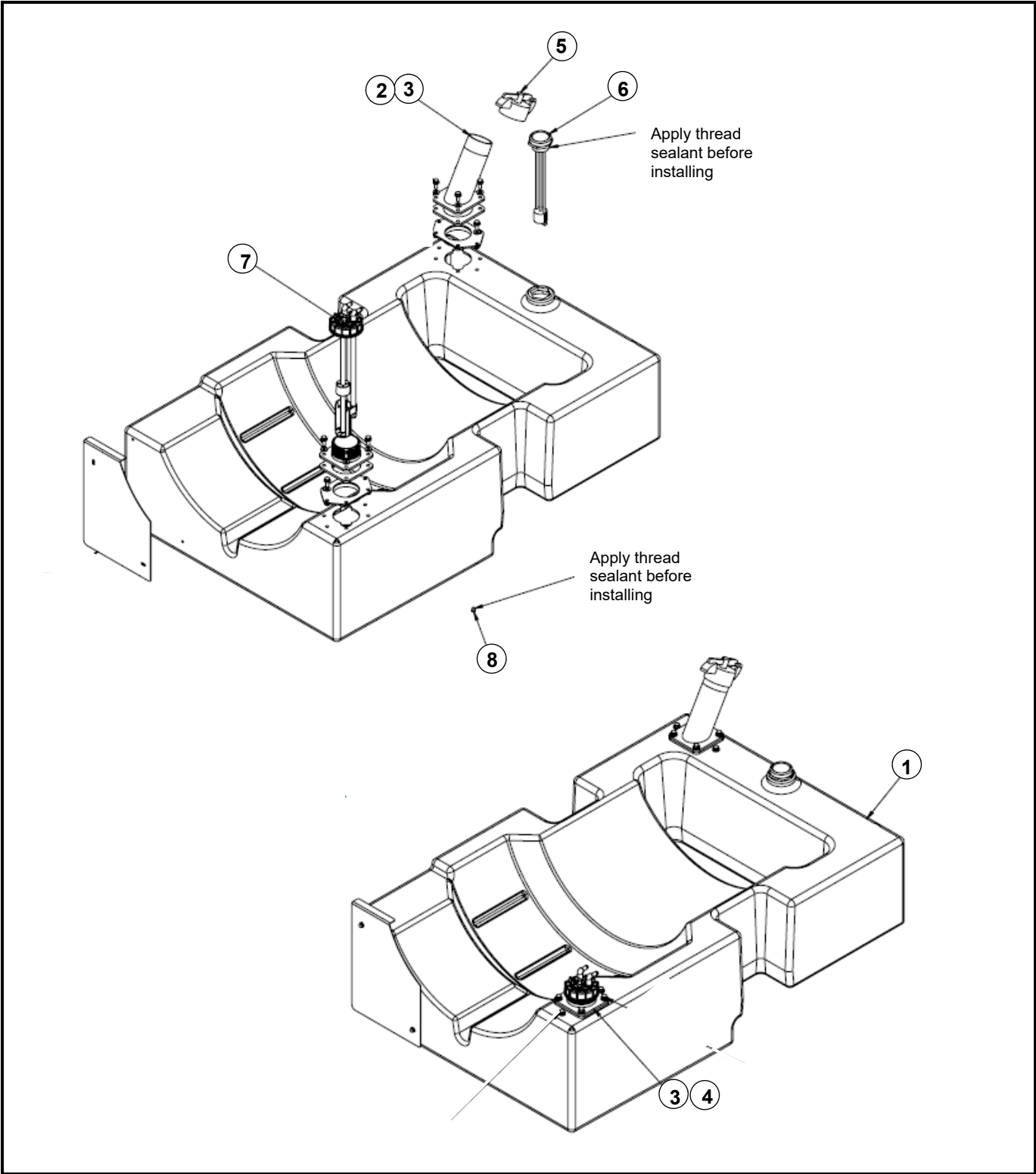


Figure 3-5. 4400-CP, Fuel Tank Composite Assembly, Common Platform (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-5-	293395	Fuel Tank Assembly Composite, Common Platform	REF
1	293090	..Fuel Tank, Machining, Composite, 4400	1
2	293093	...Gasket, Fuel Neck	2
3	293094	..Fuel Filler Neck, 2-1/2" NPT, Weldment	1
4	293366	..Fuel Sender Nipple	1
5	EB11439	..Proctecto-seal, Fuel Cap Green	1
6	IL11359	..Mechanical Fuel Gauge	1
7	SR11536	..Fuel Sender with Coupling Cap	1
8	HV11620	...SAE-2 Plug	2
*item not illustrated			

Figure 3-5. 4400-CP, Fuel Tank Composite Assembly, 60/90/100 kVA (Sheet 2 of 2).

IPB - ITW GSE 4400 Tier 3

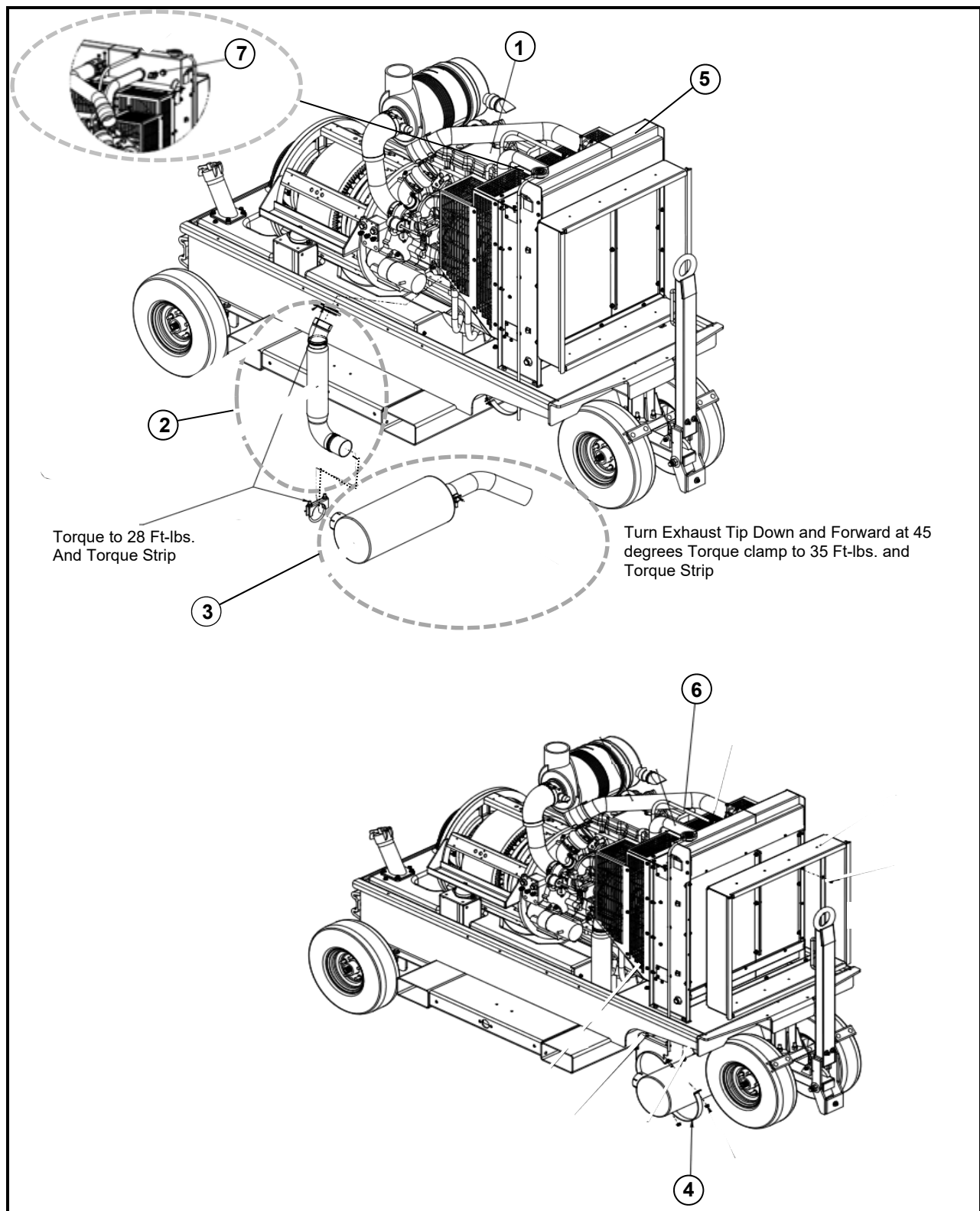


Figure 3-6. 4400-T3, Radiator/Exhaust Installation, 60/90/100 kVA (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-6-	293036	Radiator/Exhaust Installation, 4400	REF
1	293034-01	Genset/Fuel Tank Installation, 60 kVA	REF
*	293034-02	Genset/Fuel Tank Installation, 90/100 kVA	REF
2	293349	..Muffler Assy, with Thermo Jacket	1
3	293175	..Muffler Assembly	1
4	293272	..Bracket, Doc	2
5	293069	. Coolpack, 4400 (See Figure 3-7)	1
6		.Hose, 3/8" ID X 5/8" OD	A/R
7	AA6380	.Sensor, Coolant Level, 3 Pin	1
*item not illustrated			

Figure 3-6. 4400-T3, Radiator/Exhaust Installation, 60/90/100 kVA (Sheet 2 of 2).

IPB - ITW GSE 4400 Tier 3

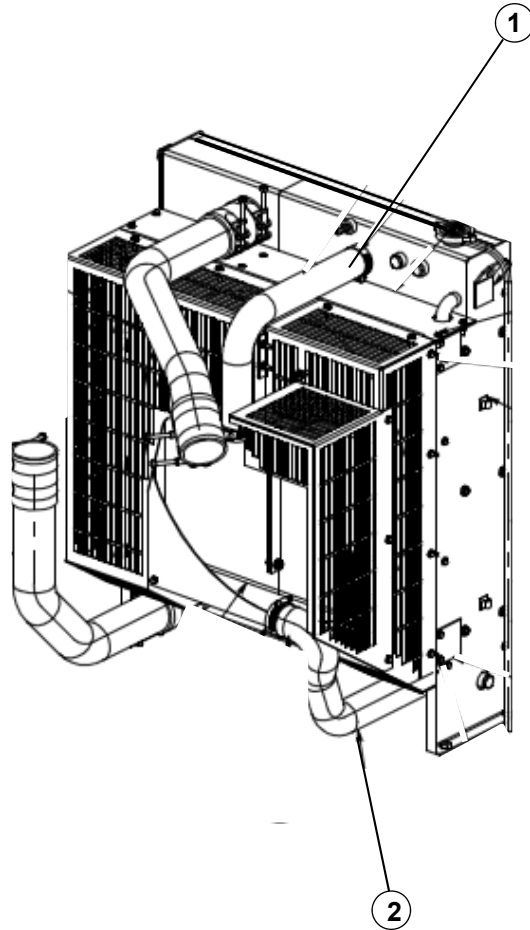


Figure 3-7. 4400-T3, Cool pack, Assembly 60/90/100 kVA (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-7	293069	Coolpack, Radiator Assy	REF
	892001025 – R1	Top JW Hose	1
	892001126 – R1	Bottom JW Hose	1

Figure 3-7. 4400-T3, Coolpack, Radiator Assy 60/90/100 kVA (Sheet 2 of 2).

IPB - ITW GSE 4400 Tier 3

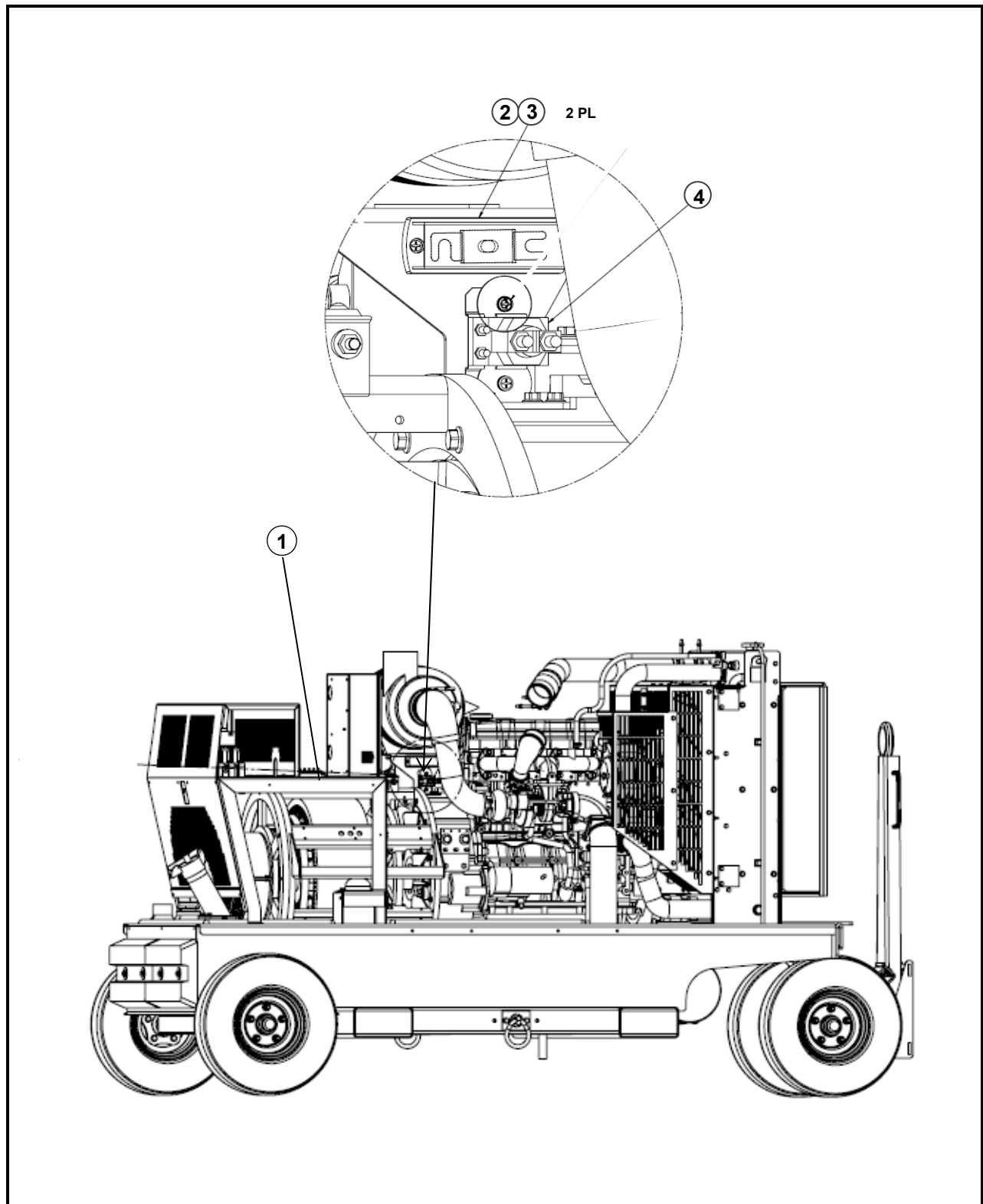


Figure 3-8. 4400-T3, Electrical System Installation, 60/90/100 kVA (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-8	293038	Electrical System Installation, 4400-T3	REF
1	293233-XX	.Output Table Assembly, 4400	1
2	FH11369	..Fuse Holder	1
3	FU11370	..Fuse, Fast Acting	1
4	RE11371	..Relay, Grid Power Heater	2
	*293054	...Harness, Exciter/Display	1
	AP-KB4104	...Harness, Display Only	
	*293059	...Harness, Jumper Kit, Power	1
	*293060	...Harness, Main Chassis	1
	*293145	Schematic, Engine Drive, 4400	REF
*Item not Illustrated			

Figure 3-8. 4400-T-3, Electrical System Installation, 60/90/100 kVA (Sheet 2 of 2).

IPB - ITW GSE 4400 Tier 3

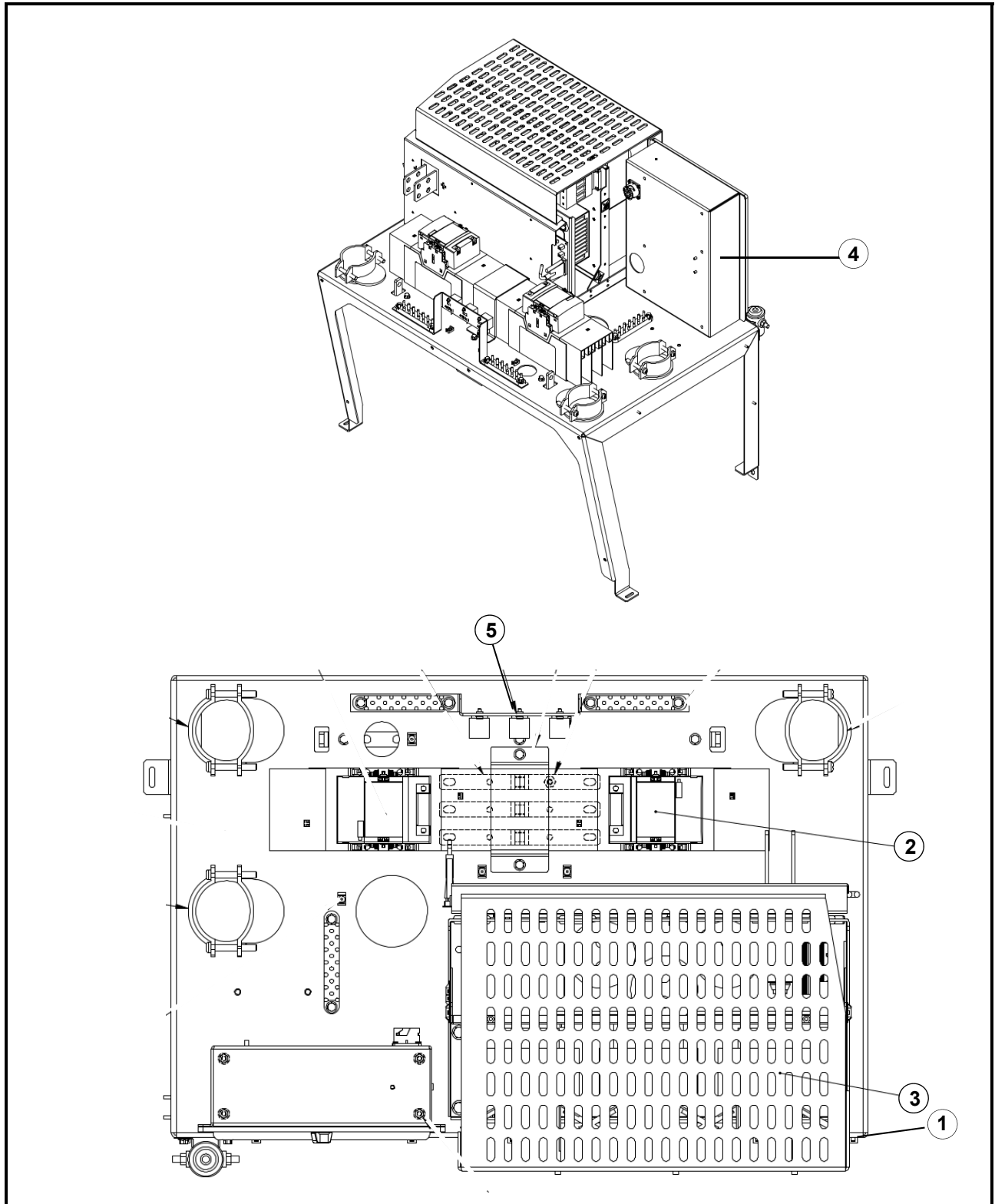


Figure 3-9. 4400-T3, Output Table Assembly, 60/90/100 kVA (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-9	293233-XX	Output Table Assy – Common Platform	REF
1	CA11386	..Contactor, Starter, 24VDC Single/Dual Output	1
2	AP-KO4382	..Contactor, 400Hz, Single Output	1
	AP-KO4382	.. 2 nd Contactor, 400Hz needed for Dual Output	1
3	AP-543280	.Active Rectifier (ARU) 28V DC Option Only	1
	*293113	...Cable Assy, ARU Power 28V DC Option Only	1
4	293248	..Control Module Box Assembly (See Figure 3-10)	1
			1
5	293288-XX	.. , Output Relay (not needed with AP-579534-T3/T4 -01 Single, -02 Dual, -03 Single w/28V, -04 Dual w/28V *293286 Bracket, Relay *RE11533 Relay, SPDT 24VDC *DA11543 Diode, 4A 200V 25ms	1
	*293285-XX	...Harness Output Relay	1.
	*293201-01	Harness, Output Table	1
	*285102-001	...Current Transformer	3
	*293145	Schematic, Engine Drive, 4400	REF

Figure 3-9. 4400-T3, Output Table Assembly, 60/90/100 kVA (Sheet 2 of 2).

IPB - ITW GSE 4400 Tier 3

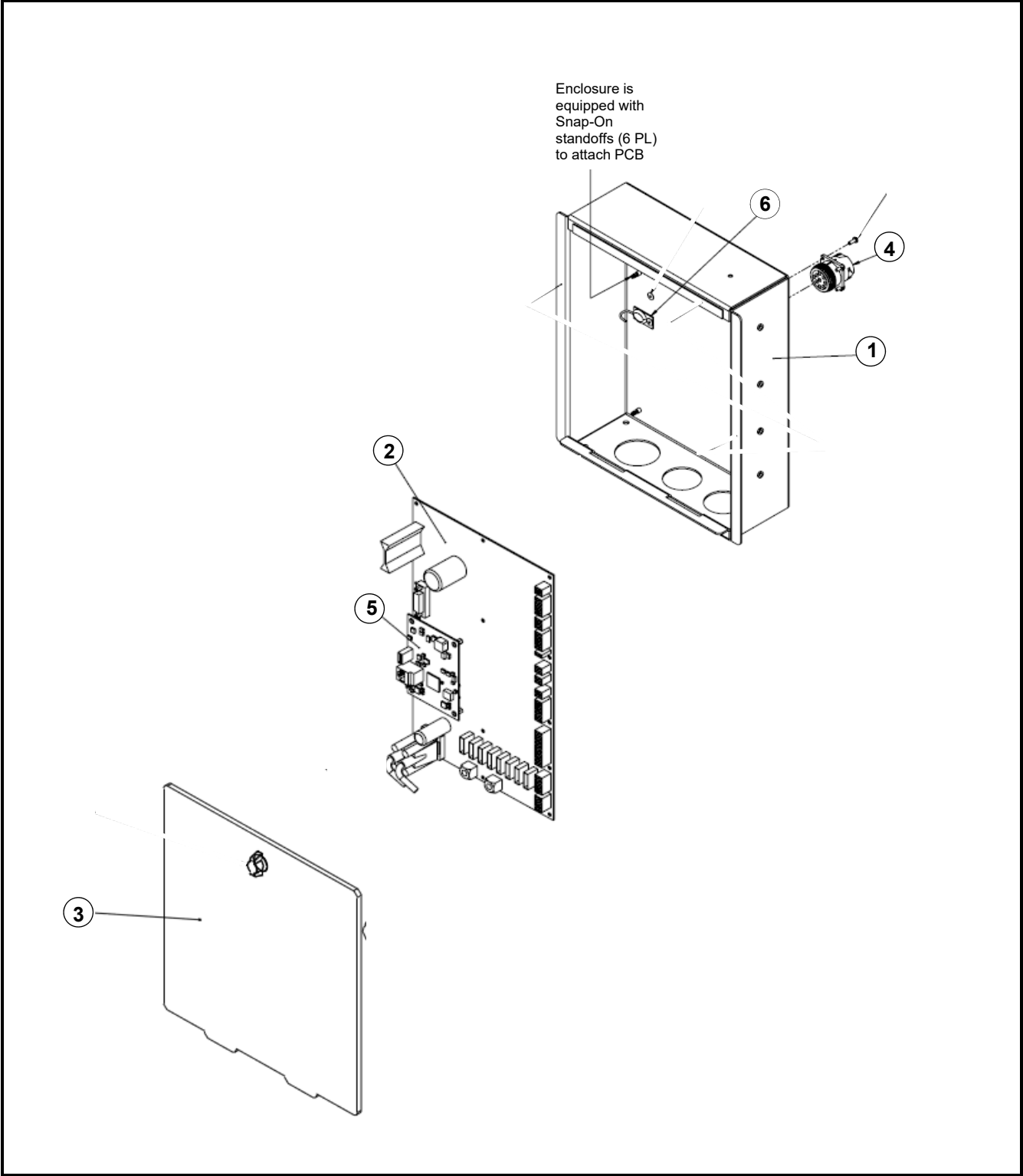


Figure 3-10. 4400-T3, Control Module Box Assembly 60/90/100 kVA (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-10-	293248	Control Module Box Assembly	REF
1	293249	.Control Box	1
2	AP-579534- T3/T4	..Diesel Interface Board-T3/T4	1
3	293026	..Control Box Cover	1
	288023	..Latch, Wing Knob	1
4	293198	...Cummins Dongle Harness	1
5	AP-579526	..Control Board (must state program for 4400 when ordering)	1
6	AP-579533	..EEPROM Board (need to provide serial number of unit when ordering)	1
	*293197	.Engine Drive Schematic (CP-T3, T4)	REF
	*293145	.Engine Drive Schematic (Pre CP-T3)	REF
		* Item Not Illustrated	

IPB - ITW GSE 4400 Tier 3

Figure 3-10. 4400-T3, Control Module Box Assembly 60/90/100 kVA (Sheet 2 of 2).

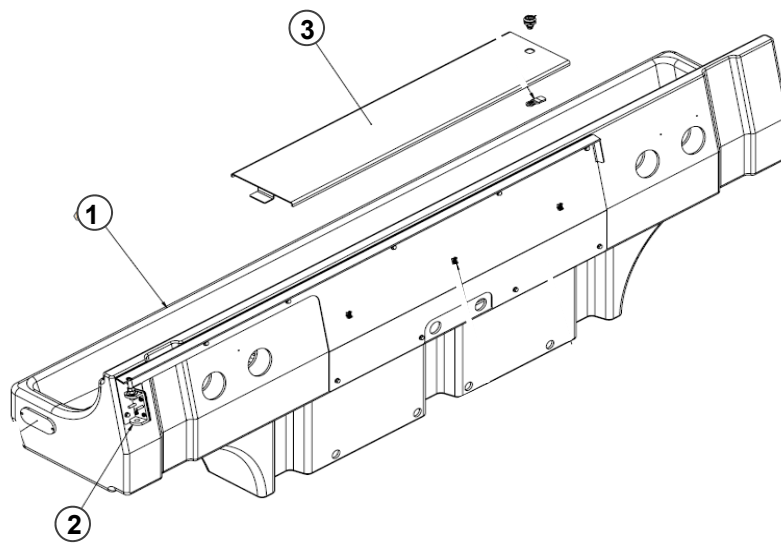


Figure 3-11. 4400-CP, Cable Tray Assembly, Left Side 60/90/100 kVA (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-11	*293086	Cable Tray, Assembly, Left Side	REF
	*293087	Cable Tray Assembly, Right Side	REF
	1 293085	Cable Tray, Symmetrical	1
	2 293193 KH11401	..Compression Latch, Modified Compression Latch	1
	3 293013	..Battery Cover	

IPB - ITW GSE 4400 Tier 3

Figure 3-11. 4400-CP, Cable Tray Assembly, Left Side 60/90/100 kVA (Sheet 2 of 2).

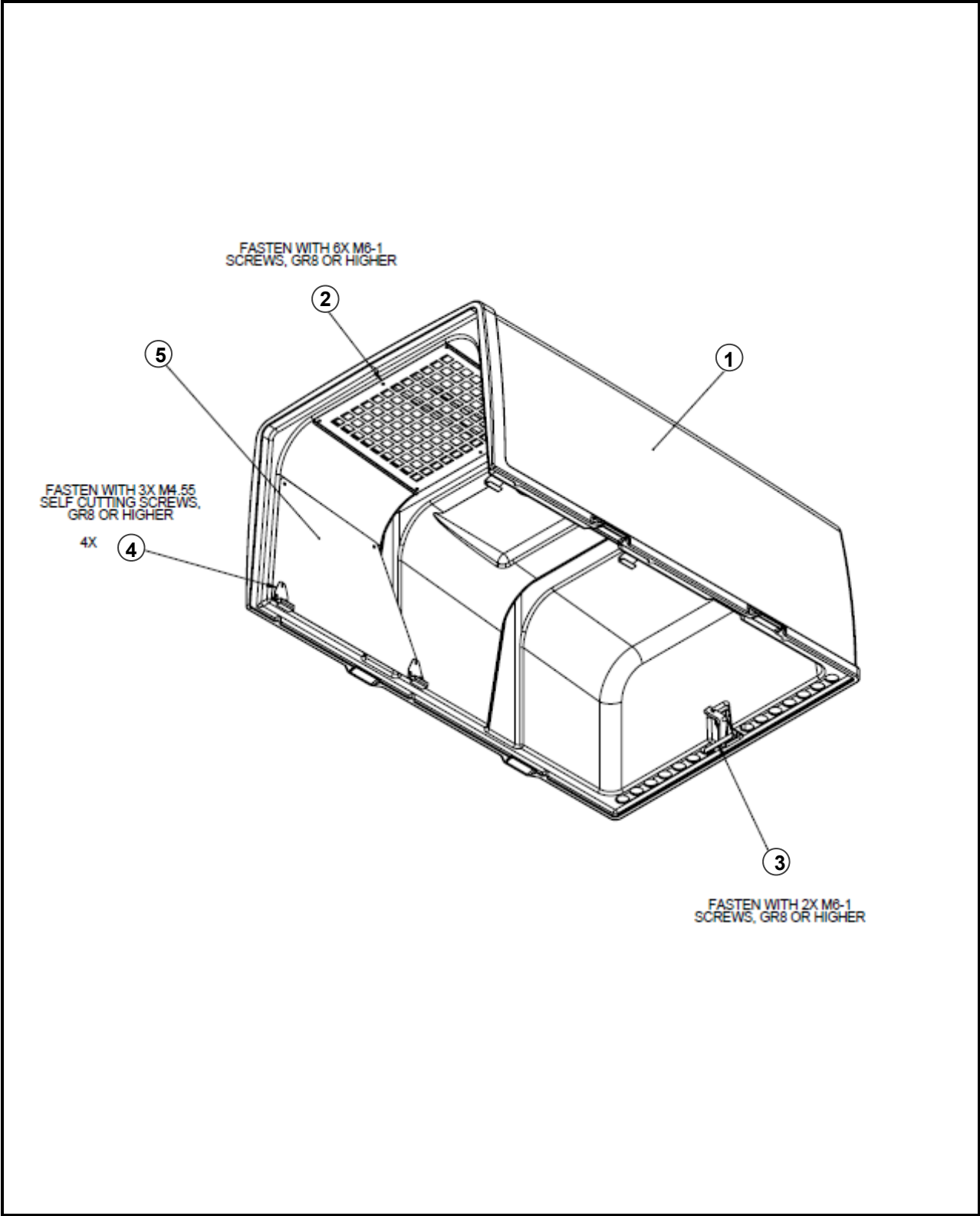


Figure 3-12. 4400-CP, Top Canopy, Composite, Assembly 60/90/100 kVA (Sheet 1 of 2).

IPB - ITW GSE 4400 Tier 3

FIGURE ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.	
3-12	1	293517	Top Canopy, Composite, Assembly	1
	2	293020	..Panel, Top Grid	1
	3	293078	...Latch Assembly, Top Canopy	1
	4	293018	...Hook Slide, Main Canopy	4
	5	293019	..Heat Shield, Side, Top Canopy	1
		11		

Figure 3-12. 4400-CP, Top Canopy, Composite Assembly60/90/100 kVA (Sheet 2 of 2).F