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Illustrated Parts Breakdown

4400 Tier 4

400 Hz Generator Set Ground Power Unit

Specification.: ACE4400 60-90 kVA

Type: OM2247

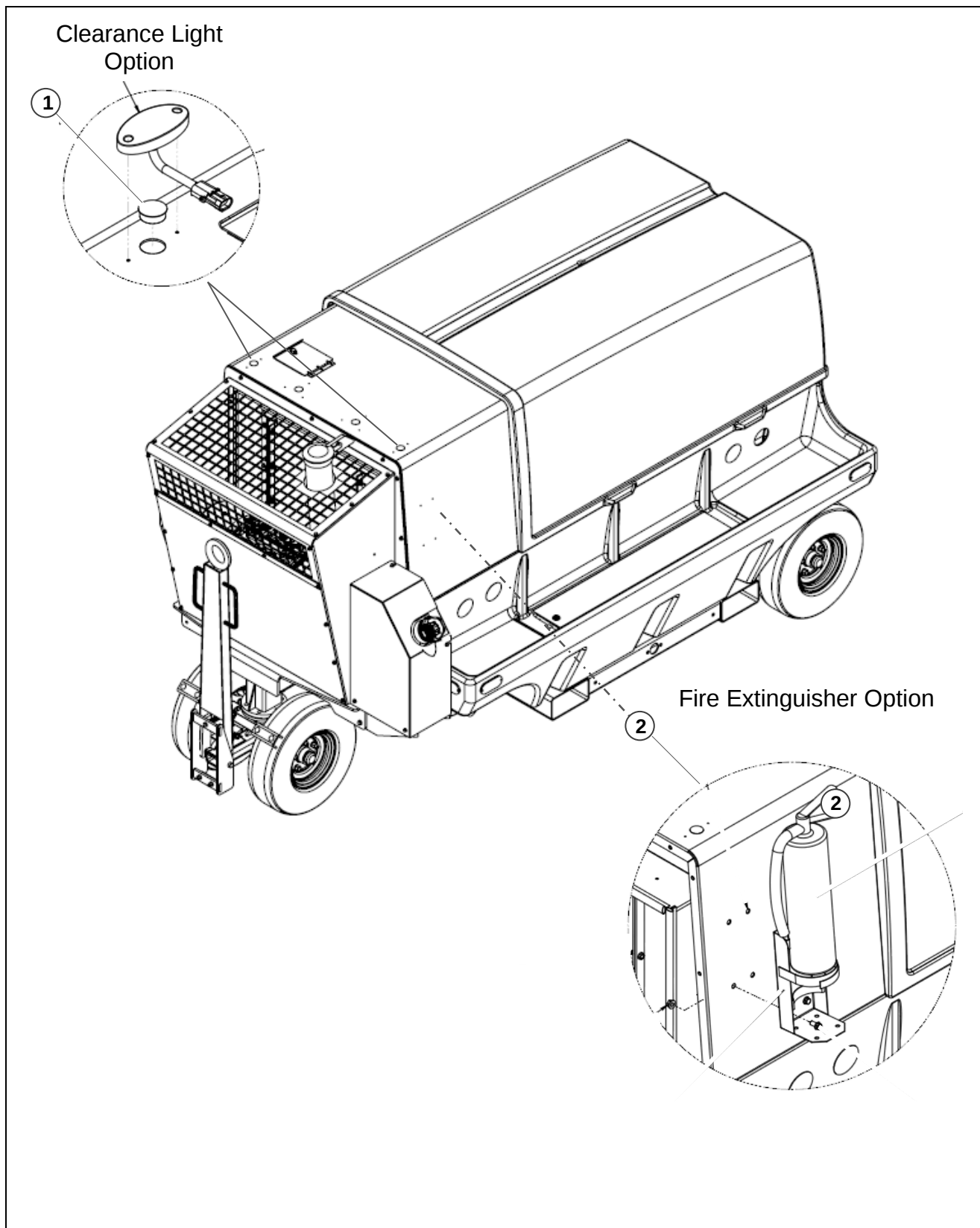


Figure 3-1. 4400-T4, 60-90 kVA, 3-Phase 115 Volt Generator Set (Sheet 1 of 3).

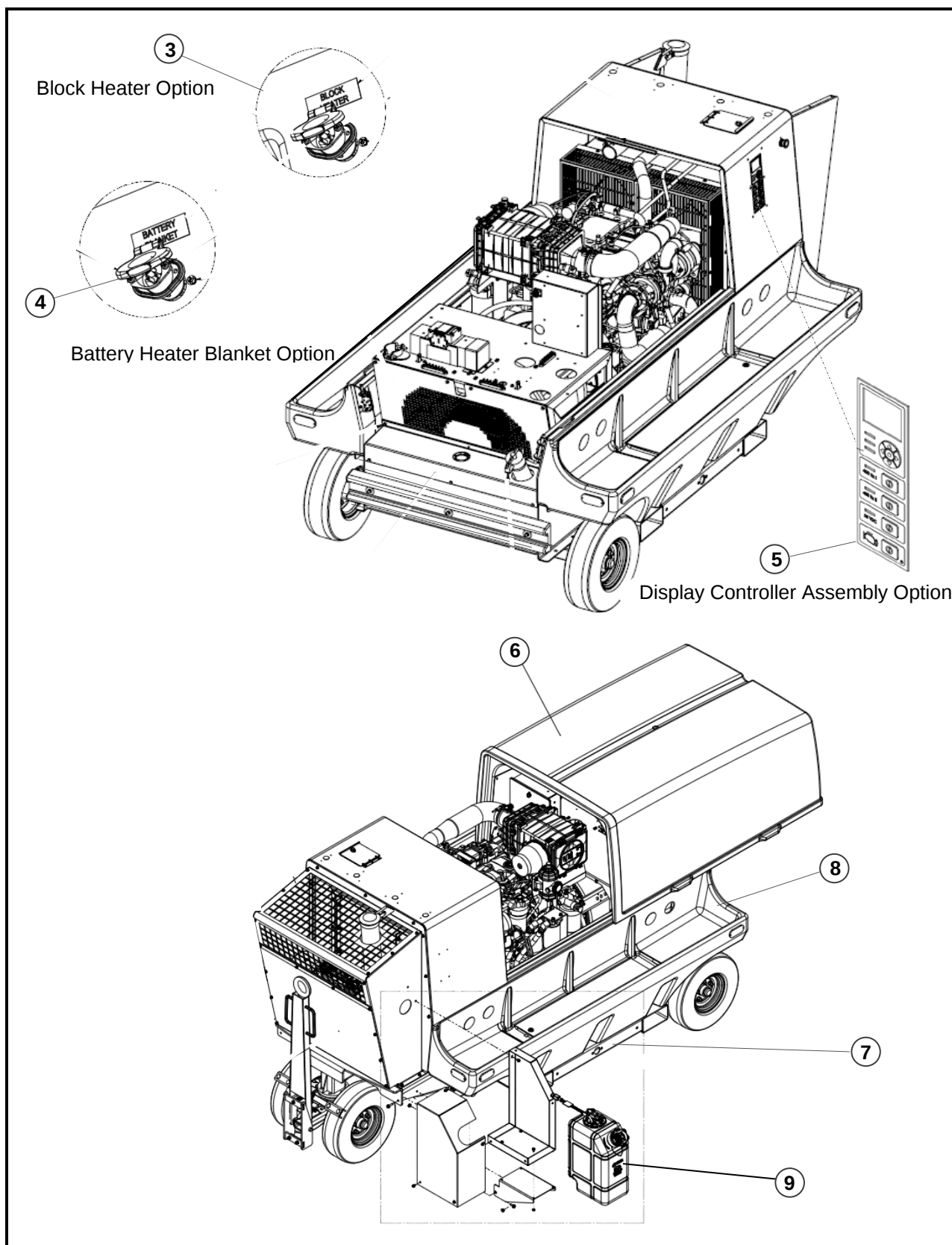


Figure 3-1. 4400-T4, 60-90 kVA, 3-Phase 115 Volt Generator Set (Sheet 2 of 3).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-1-	4400-T4	60-90 kVA, 3-Phase 115 Volt Generator Set	REF
1	293098	Clearance Light Option	1
2	293171	Fire Extinguisher Option	1
3	293503-XX	Block Heater Option	1
4	293498-XX	Battery Heater Blanket Option	1
5	293454-XX	Display Controller, Output Assembly Option	1
	*275190	.Option, Membrane Single 400 hz Output	1
	*275191	.Option, Membrane for Single 400 hz plus 28 VDC Output	1
	*275192	.Option, Membrane for Dual 400 hz Output	1
	*275193	.Option, Membrane for Dual 400 hz plus 28 VDC Output	1
	*579536-44	..Board, Display, 4400 Programmed	1
	*AP-378807	..Cover, Display Assembly	1
6	293084	Top Canopy, Composite Assembly	1
7	293161	Trailer Assembly	1
8	293073	.Cable Tray	1
9	EC11500	Tank, DEF	1
	*A052B705	.Module Pump, DEF	1
	*IN11366	..Thermo Jacket	1
	*Not Illustrated		

Figure 3-1. 4400-T4, 60-90 kVA, 3-Phase 115 Volt Generator Set (Sheet 3 of 3).

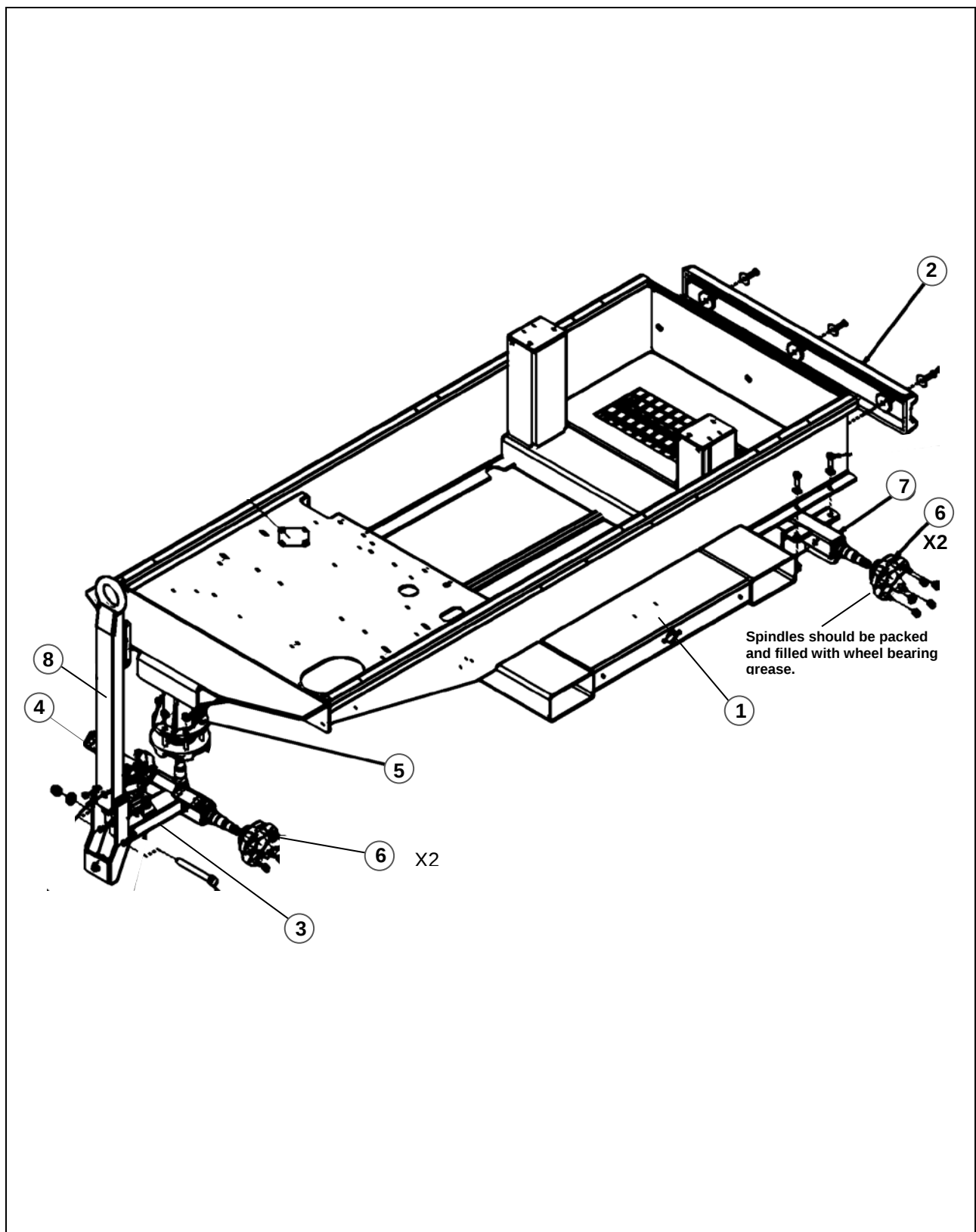


Figure 3-2. 4400-T4 Chassis/Running Gear (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.	
3-2-	1	293292	Base Frame, 4400-T4	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)	1
	7	293399	Rear Axle Assy	1
	8	293400	Towbar Assy	1
		*293290	Towbar Din40 Eye (Optional)	1
	*293067	Kit, Braking Pad Assy	1	
*Item not illustrated				

Figure 3-2. 4400-T4 Chassis/Running Gear (Sheet 2 of 2).

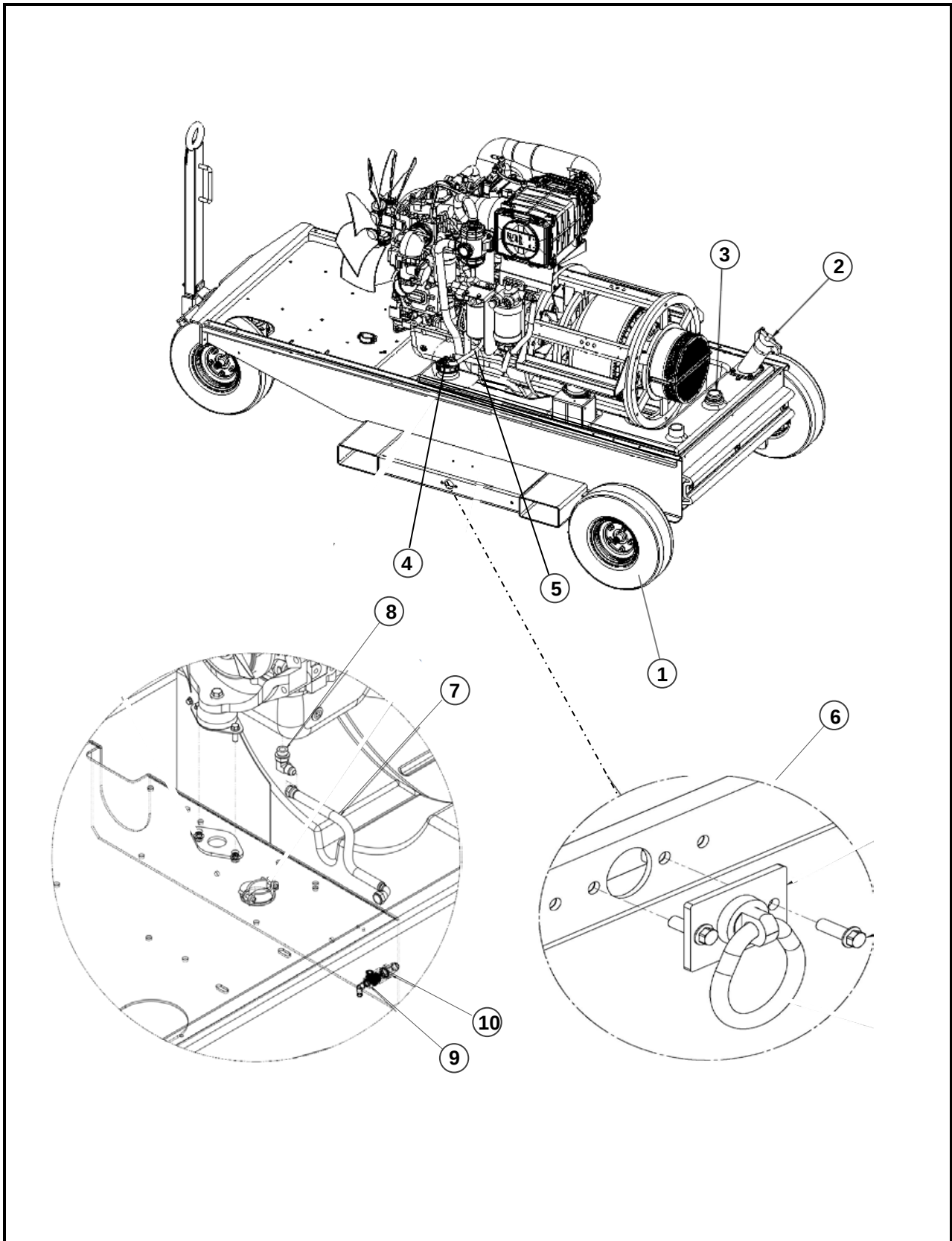


Figure 3-3. Genset/Fuel Tank Installation, 60-90 kVA (Sheet 1 of 3).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-3-	293177-XX	T4-Genset/Fuel Tank Installation, 60/90kVA	REF
	*293178-01	Genset Assembly, 60 kVA (See Figure 3-4)	REF
	*293178-02	Genset Assembly, 90kVA (See Figure 3-4)	REF
1	293182	..Tire, Super Grip GSE 500/570-8 ply Tubeless 18.5 OD	4
		Torque to 80 FT-LB +/- 5 FT-LB	1
2	EB11439	..Protectoseal, Fuel Cap Green	1
3	IL11359	..Mechanical Fuel Gauge	1
4	293335	..Fuel Sender with Coupling Cap	1
5		..Hose, ¾" ID x 1" OD	A/R
6	293192	.Tie-Down Ring Option	1
7	293080	..Oil Drain Hose Assembly	1
8	FI11399	..Elbow, 90 De. W/O-Ring, ¾-16 X M22X1.5 Male	1
9	TS11478	..Adapter, SAE 37 DEG. Male Flare Bulkhead	1
10	VA11479	..Valve, Oil Drain	1
*Item not illustrated			

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



ITW GSE PART NO.		NOMENCLATURE	QTY.
3-4-	293178-XX	T4 Genset Assembly 60- 90 kVA	Ref.
1	293282	Engine, Cummins 90kVA QSB4.5 Tier 4	1
2	FB11360	..Radiator Fan	1
3	288460-004	..Generator Assembly, 2000 RPM	1
4	VM11349	..Engine/Generator Mount	3
5	293217	..Tube Air Intake, Rubber	1
6	282918	..Indicator, Restrictor, Elec.	1
7	EC11501	..Breather, Crankcase, Kit	1
8	AF55021	..Element, Primary Air Cleaner	1
	*AF55320	..Element, Secondary Air Cleaner	1
9	FS1098	..Element, Fuel/Water Separator	1
10	LF3970	..Oil Filter Assembly	1
11	FF63009	..Fuel Filter Assembly	1
		...Hose, 3/8 ID x 5/8 OD	As Req
12	3289481	..Serpentine Belt	1
13	4996707	..Motor, Starter	1

Figure 3-4. T4 Genset Assembly, 60-90 kVA (Sheet 2 of 2).

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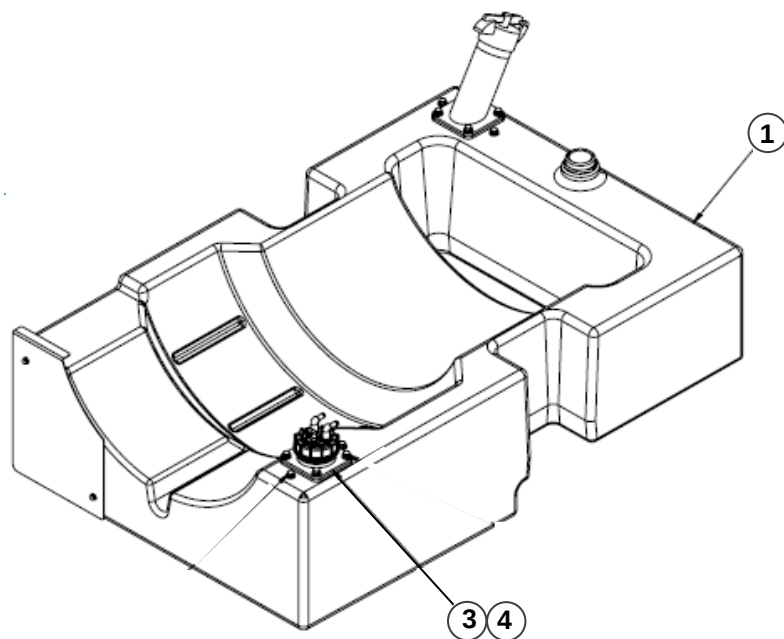
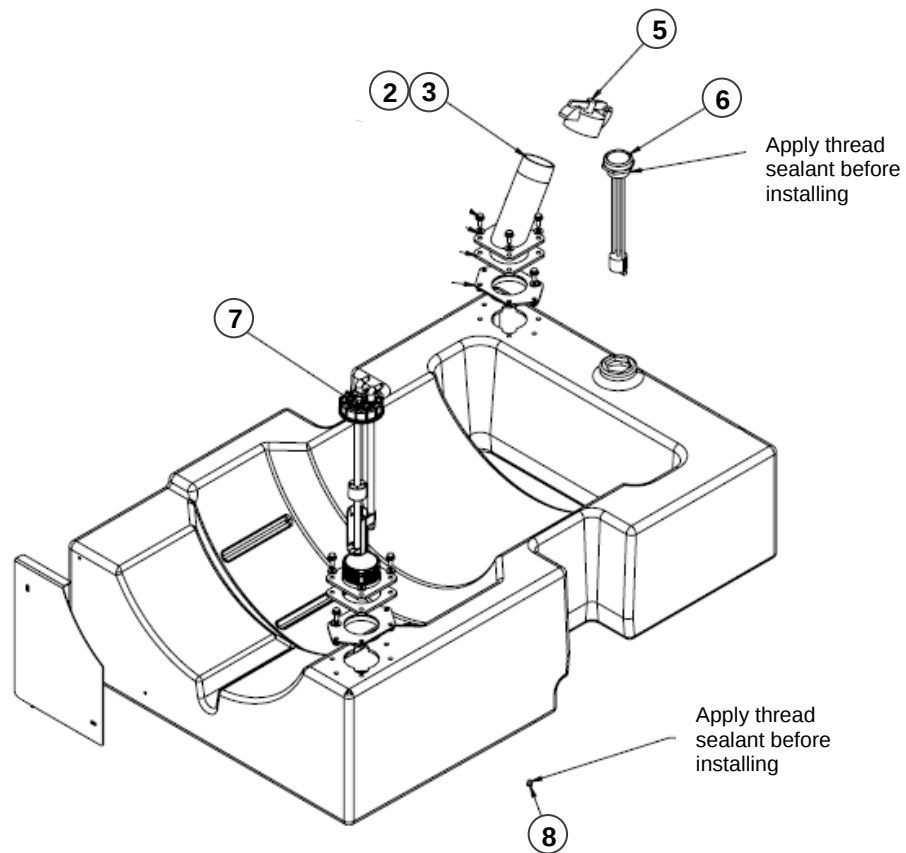


Figure 3-5. 4400-CP, Fuel Tank Composite Assembly, 60-90 kVA (Sheet 1 of 2).

FIGURE -		ITW GSE	NOMENCLATURE	QTY.
ITEM NO.	PART NO.			
3-5-	1	293395	Fuel Tank Assembly Composite, Common Platform	REF
	2	293090	.Fuel Tank, Machining, Composite, 4400	1
	3	293093	...Gasket, Fuel Neck	1
	4	293094	..Fuel Filler Neck, 2-1/2" NPT, Weldment	1
	5	293366	..Fuel Sender Nipple	1
	6	EB11439	..Proctecto-seal, Fuel Cap Green	1
	7	IL11707	..Mechanical Fuel Gauge	1
	8	SR11536	..Fuel Sender with Coupling Cap	1
	9	HV11620	...SAE-2 Plug	2
*item not illustrated				

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

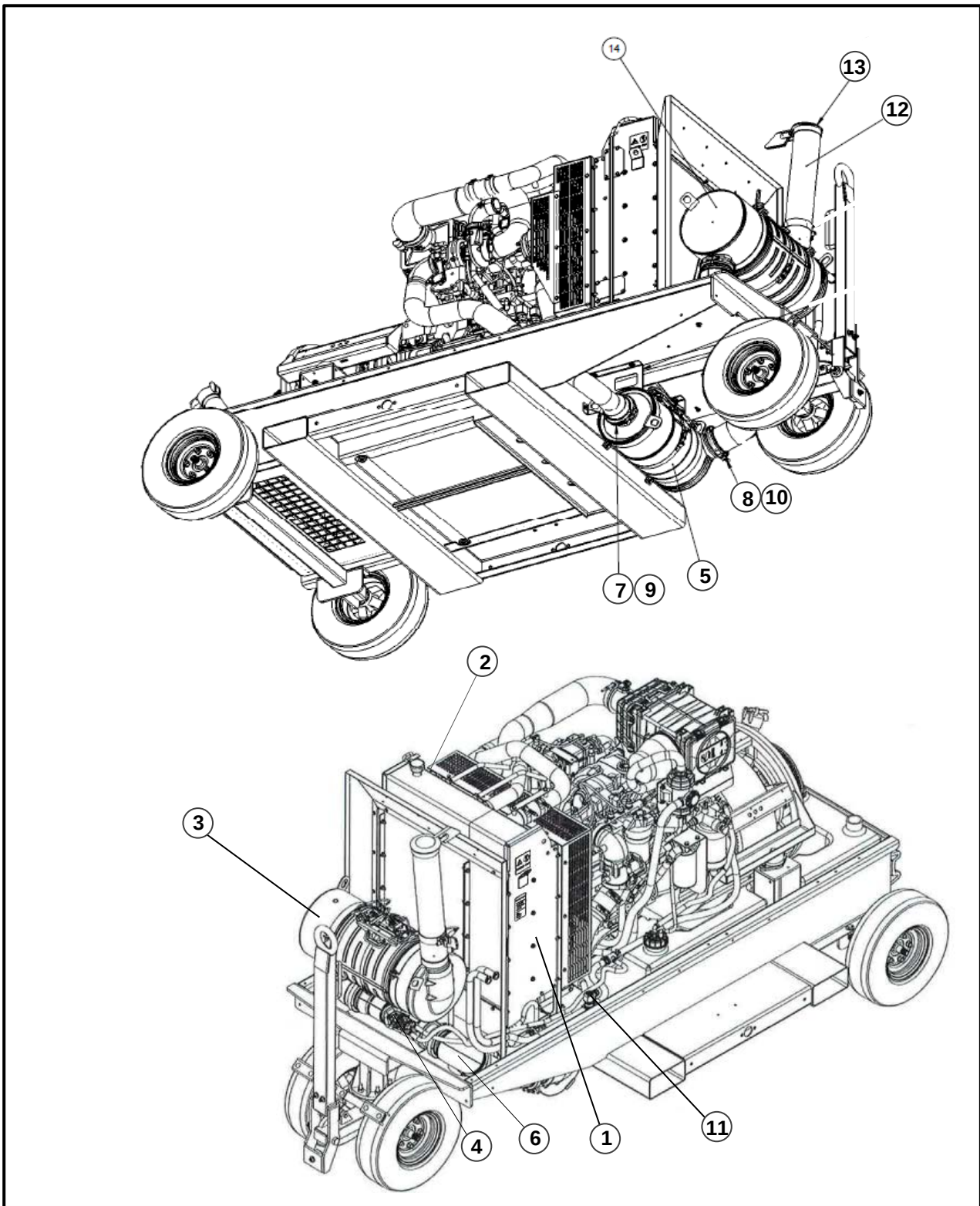


Figure 3-6. Radiator/After-Treatment Installation, 60-90 kVA (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE NO.	PART	NOMENCLATURE	QTY.
3-6-	293183		Radiator/Exhaust Installation, 4400	REF
1	293277		..Radiator, T4	1
2	AA6380		..Sensor, Coolant Level, 3 Pin	1
3	EC11494		...SCR Device, Ater-Treatment	1
4	EC11495		...DRT Decomposition Reactor Tube	1
5	293377		...DOC, Diesel Oxidation Catalyst	1
6	EC11489		... ELBOW, 90 dg, 4" SINGLE BEND	2
7	EC11490		...Clamp, V Band DOC Inlet	1
8	EC11491		... Clamp, DOC Outlet, DRT/SCR I/O	5
9	EC11492		...Gasket, DOC Inlet	1
10	EC11493		...Gasket DOC Outlet,DRT/SCR I/O	5
11	EC11497		...Valve, DEF Coolant	1
12	293264		..4" Exhaust Pipe, 4400-T4	1
13	EB5243		..Rain Cap, 4"	1
*item not illustrated				

Figure 3-6. Radiator/After-Treatment Installation, 60-90 kVA (Sheet 2 of 2).

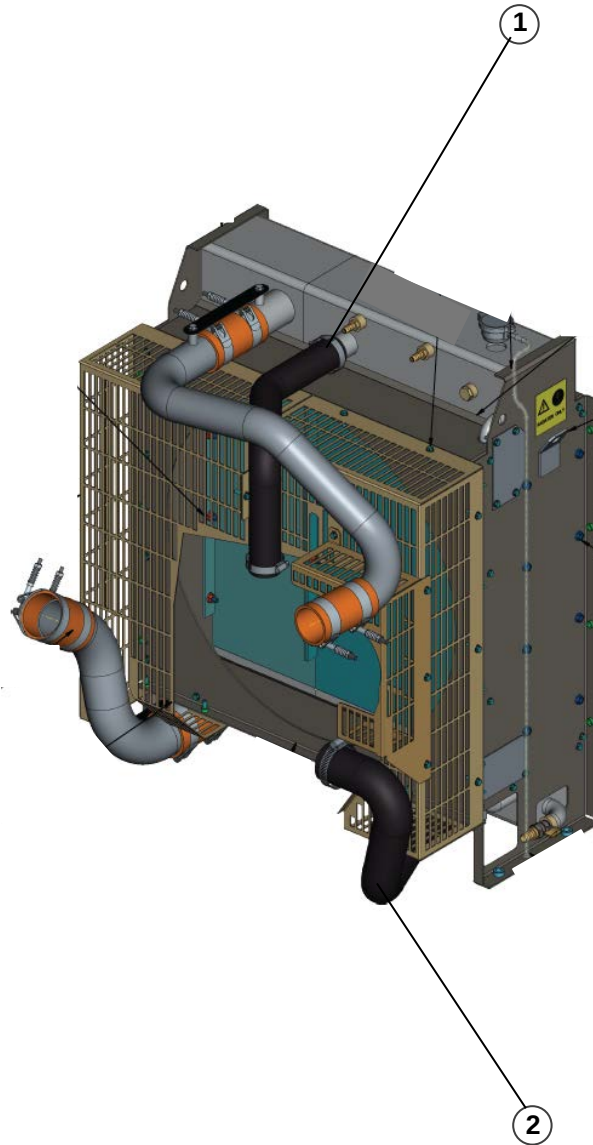


Figure 3-7. Coolpack, Radiator Assy 60-90 kVA (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-7-	293277	Coolpack, Radiator Assy	REF
1	892001149	.Radiator Hose, Top	1
2	892001150	.Radiator Hose, Bottom	1

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

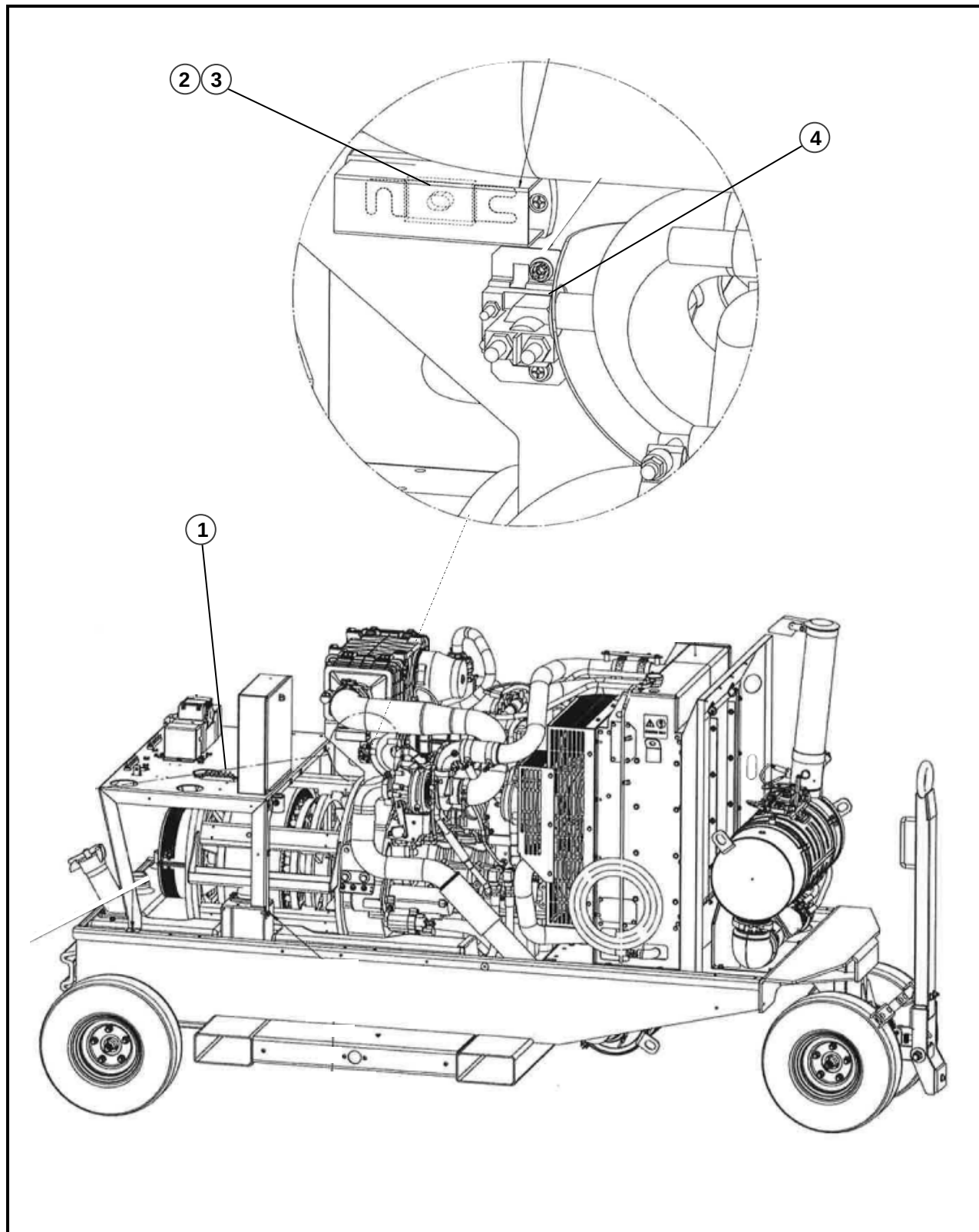


Figure 3-8. 4400-T4, Electrical System Installation, 60-90 kVA (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-8	293184	Electrical System Installation, 4400-T4	REF
1	293233-XX	.Output Table Assembly, 4400	1
2	FH11369	..Fuse Holder	1
3	FU11370	..Fuse, Fase Acting	1
4	RE11371	..Relay, Grid Power Heater	1
	*293200	.Harness, Main Chassis	1
	*293209	.Harness, Aircleaner-TBAP Cable	1
*Item Not Illustrated			

Figure 3-8. 4400-T4, Electrical System Installation, 60-90 kVA (Sheet 2 of 2).

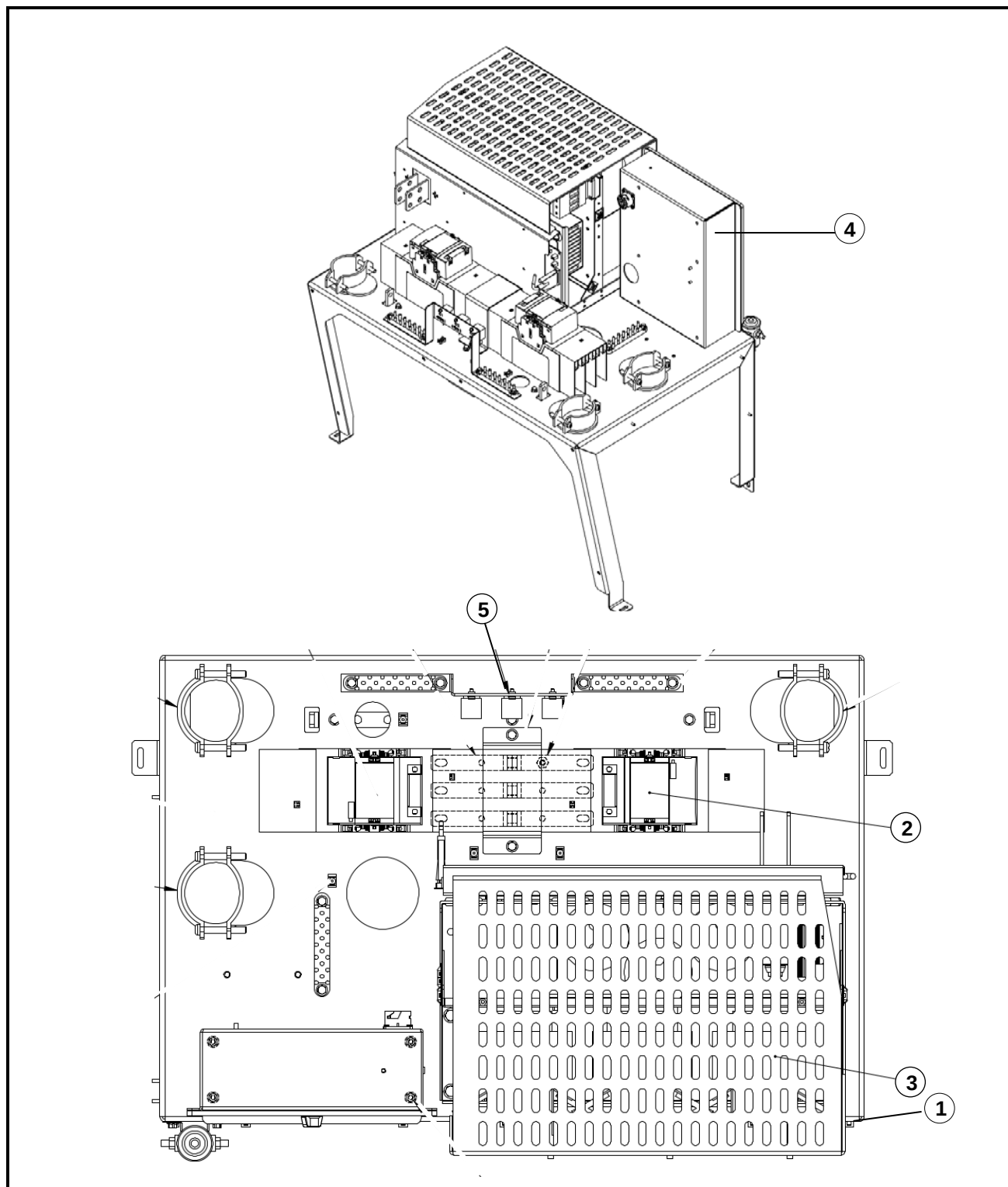


Figure 3-9. Single Output Table Assembly, W/28VDC ARU 60-90 kVA (Sheet 1 of 2).

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	CA11372	..Contactor, 400Hz, Single Output	1
	CA11372	.. 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
5	293288-XX	.. Kit, Output Relay	1
		-01 Single, -02 Dual, -03 Single w/28V, -04 Dual w/28V	1
	*293285-XX	...Harness, Output Relay	1
	*293201-02	...Harness, Output Table	1
	*293197	Schematic, Engine Drive, 4400	REF
*Item Not Illustrated			

Figure 3-9. Single Output Table Assembly, W/28VDC ARU 60-90 kVA (Sheet 2 of 2).

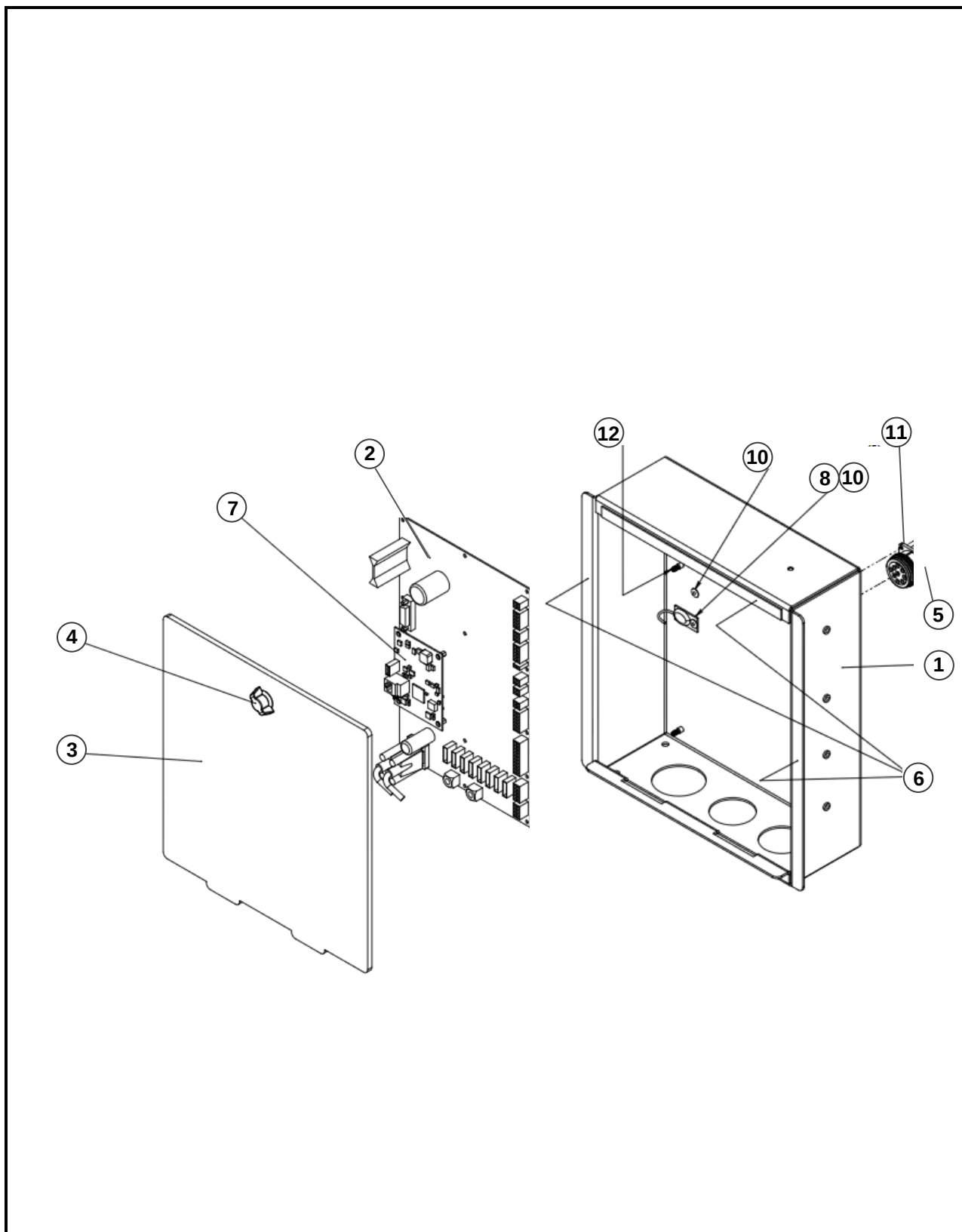


Figure 3-10. Control Module Box Assembly 60-90 kVA (Sheet 1 of 2).

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	..Diesel Interface Board	1
3	293026	..Control Box Cover	1
5	293198	...Harness, Cummins Dongle	1
6	AP-579526-44	..Control Board	1
7	AP-579533	..EEPROM Board	1
	*293197	.Schematic, Engine Drive	REF
* Item Not Illustrated			

Figure 3-10. Control Module Box Assembly 60-90 kVA (Sheet 2 of 2).

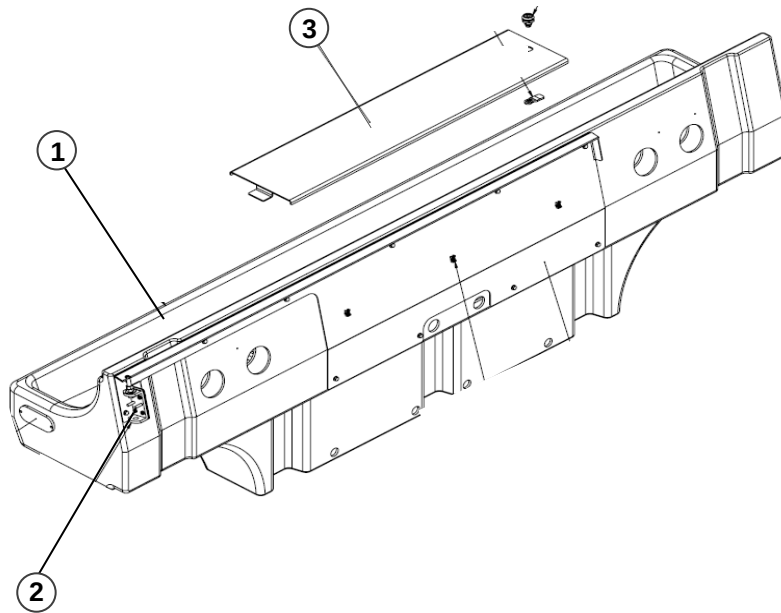


Figure 3-11. Cable Tray Assembly, Right Side 60-90 kVA (Sheet 1 of 2).

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

Figure 3-11. Cable Tray Assembly, Right Side 60-90 kVA (Sheet 2 of 2).

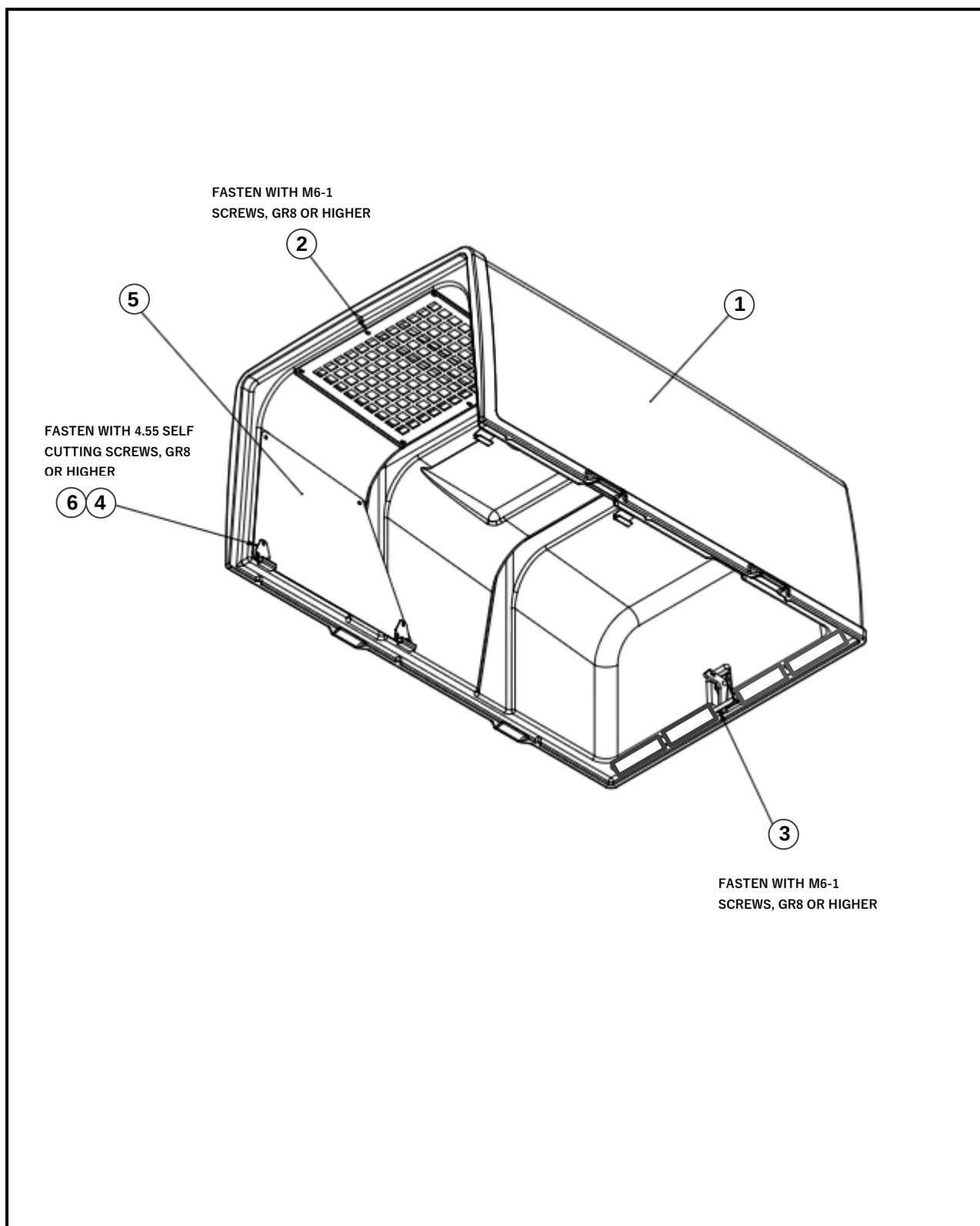


Figure 3-12. Top Canopy, Composite, Assembly 60-90 kVA (Sheet 1 of 2).

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

Figure 3-12. Top Canopy, Composite Assembly 60-90 kVA (Sheet 2 of 2).