



**Aviation
Ground
Equipment Corp.**

it's all about connections



Illustrated Parts List

ITW GSE 6400 JetEx® Tier 3

28.5 VDC Tier 3 Generator Set



324 South Service Road, Unit 104 Melville NY 11747
TEL (631) 815-5520 • FAX (631) 815-5526
E-mail: sales@aviationgroundequip.com
Web: www.aviationgroundequip.com

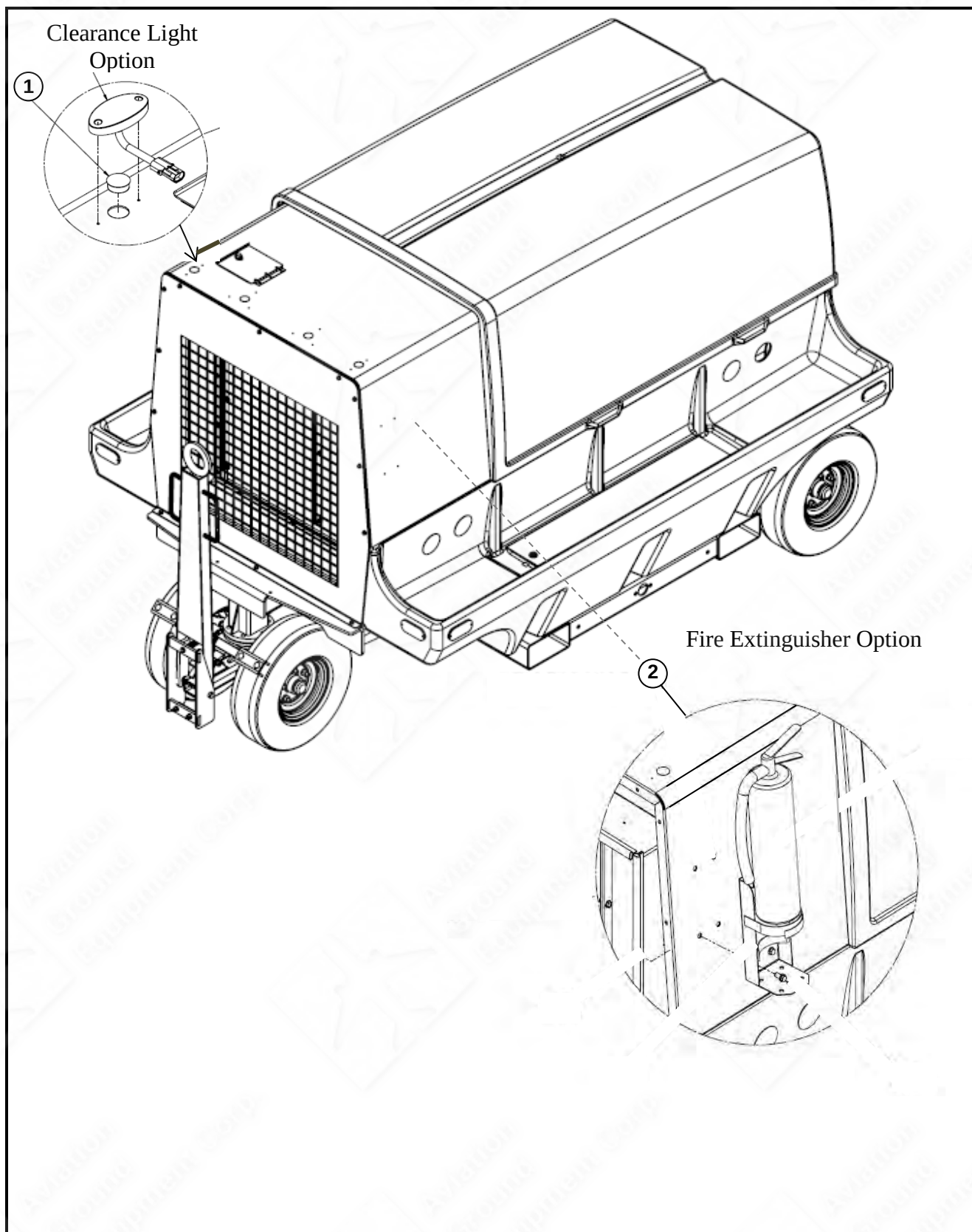


Figure 3-1. Generator Set 6400 JetEx® 8 T3 (Sheet 1 of 3).

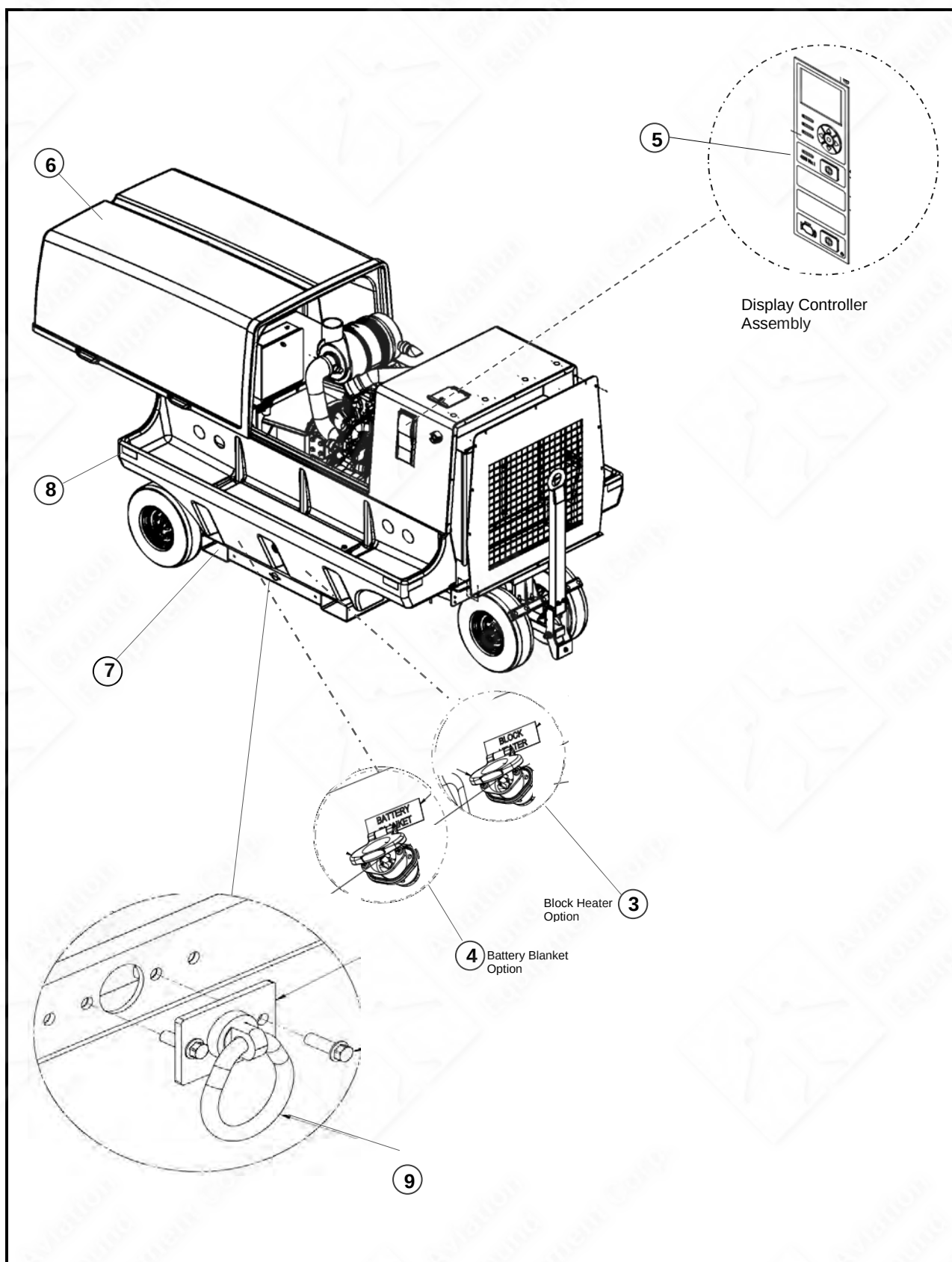


Figure 3-1. Generator Set 6400 JetEx® 8 T3 (Sheet 2 of 3).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-1-	6400-T3	JetEx® 28.5V DC Tier 3	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	293454-05	.Display Controller, Output Assembly	1
	*275194	..Membrane 28V DC Output	1
	*AP-378807	..Cover, Display Assy	1
6	293084	.Top Canopy, Composite, Assy	1
7	293291	.Trailer Assembly	1
8	293073	.Cable Tray	1
9	293192	.Tie-Down Ring Option	1
		*Item not illustrated	

Figure 3-1. Generator Set 6400 JetEx® 8 T3 (Sheet 3 of 3).

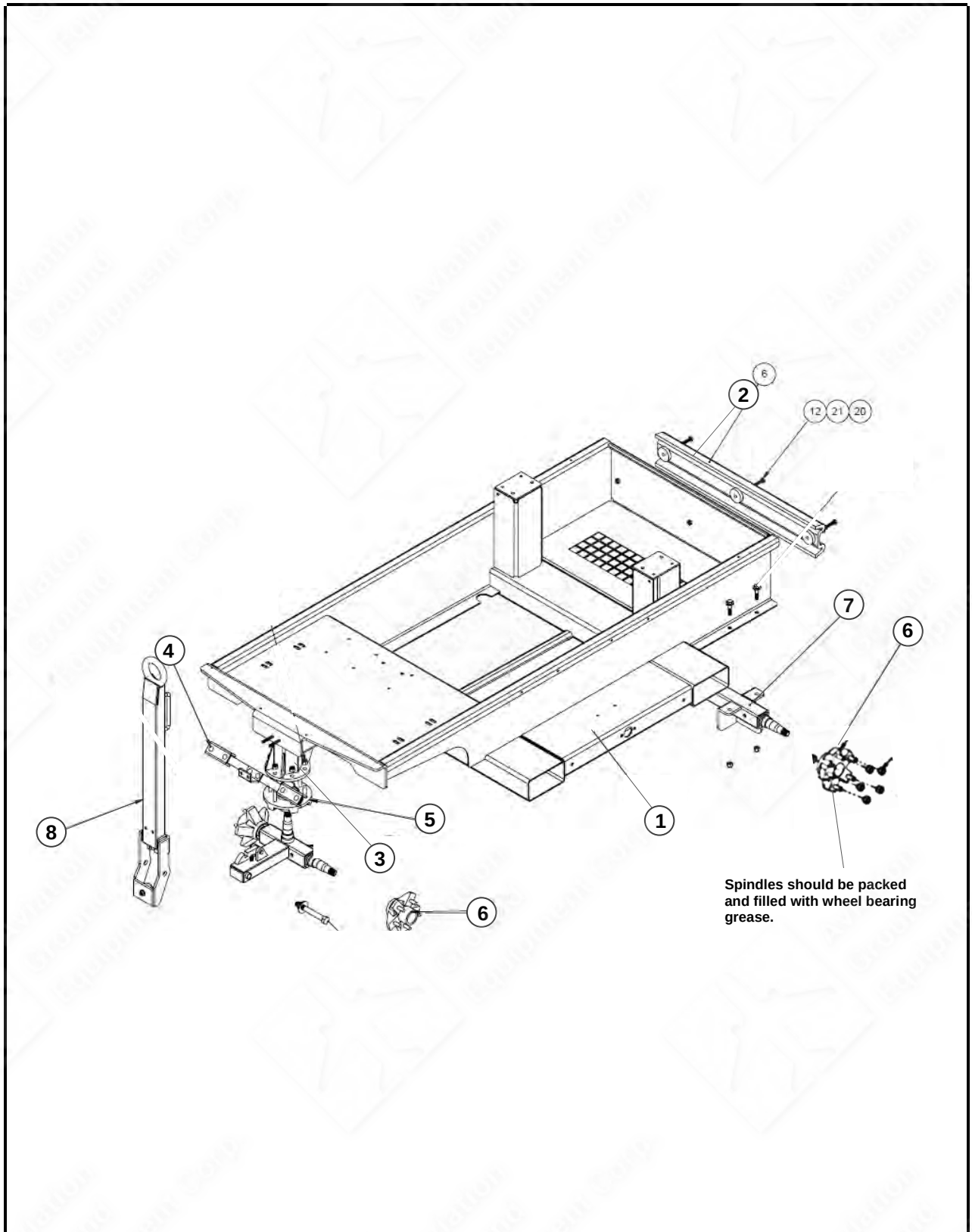


Figure 3-2. Assy, Chassis/Running Gear JetEx® 8 T3 (Sheet 1 of 2).

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	..Towbar Assy	1
	*293290	Tow Bar Din 40 Option	1
*Item not illustrated			

Figure 3-2. Assy, Chassis/Running Gear JetEx® 8 T3 (Sheet 2 of 2).

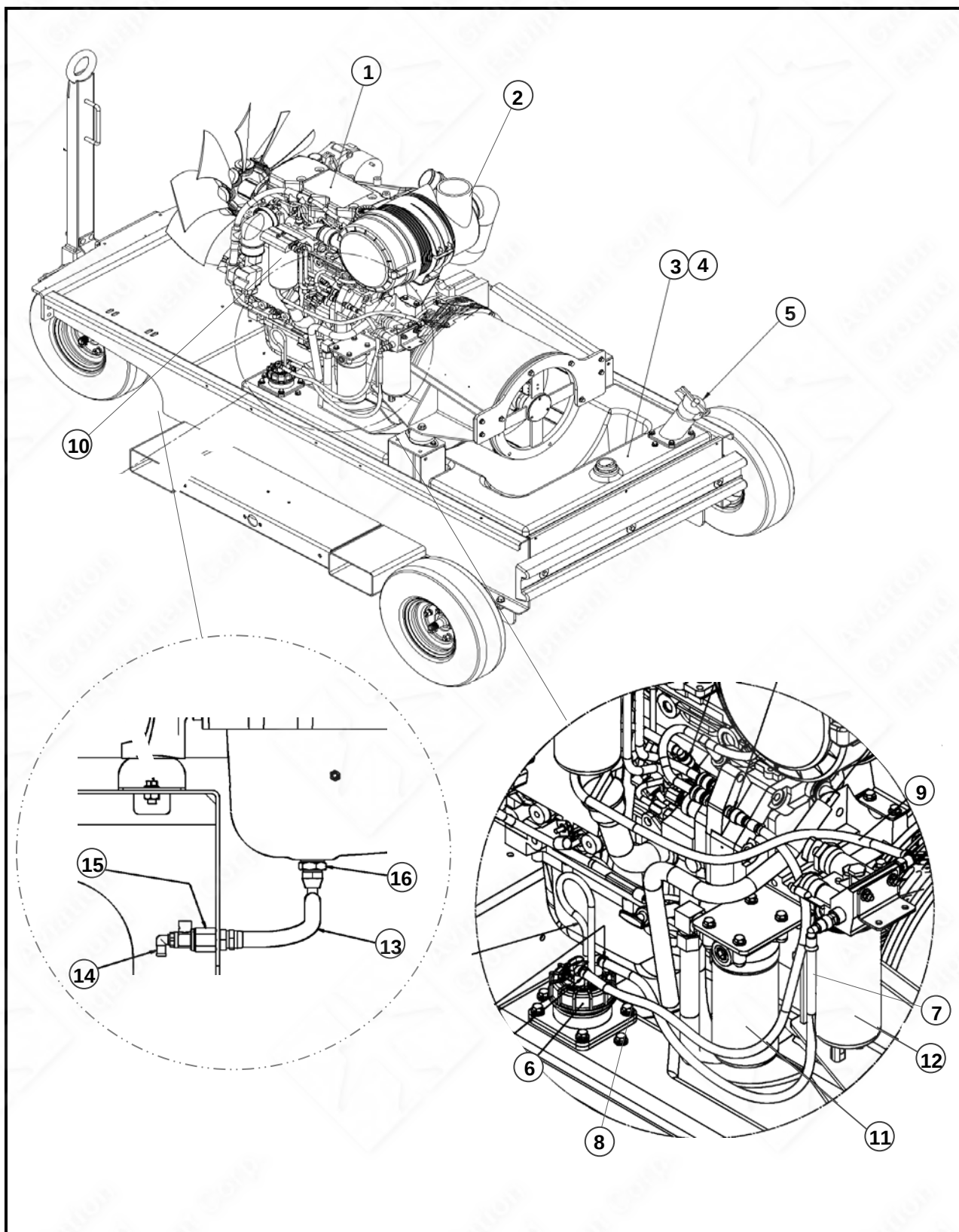


Figure 3-3. Genset/Fuel Tank Installation, JetEx® 8 T3 (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-3-	293439	Genset/Fuel Tank Installation	REF
1	293437	.Genset Assembly	1
2	P781039	..Air Cleaner	1
3	293395	..Fuel Tank Composite Assembly, (See Figure 3-4)	1
4	293081	...Panel, Fuel Filler Cover	1
5	EB11439	...Protectoseal Fuel Cap Green	1
6	SR11536	.. Fuel Sender	1
7	293459-01	...Fuel Hose Assembly, Supply	1
8	293459-02	...Fuel Hose Assembly, Return	1
9	293459-03	...Fuel Hose Assembly, Engine	1
10	FF9674	...Engine Primary Fuel Filter Element.	1
11	LF9212	..Oil Filter Element	1
12	FS9924	..Lubricity/Fuel Water Separator Element	1
13	293080	...Oil Drain Hose Assembly	1
14	VA11479	...Valve, Oil Drain	1
15	TS11478	...Adapter, SAE, 37 DEG, Male Flare Bulkhead	1
16	FL11603	...Adapter, ST JIC to Metric, 08JIC to 22MM	1
*Item not illustrated			

Figure 3-3. Genset/Fuel Tank Installation, JetEx® 8 T3 (Sheet 2 of 2).

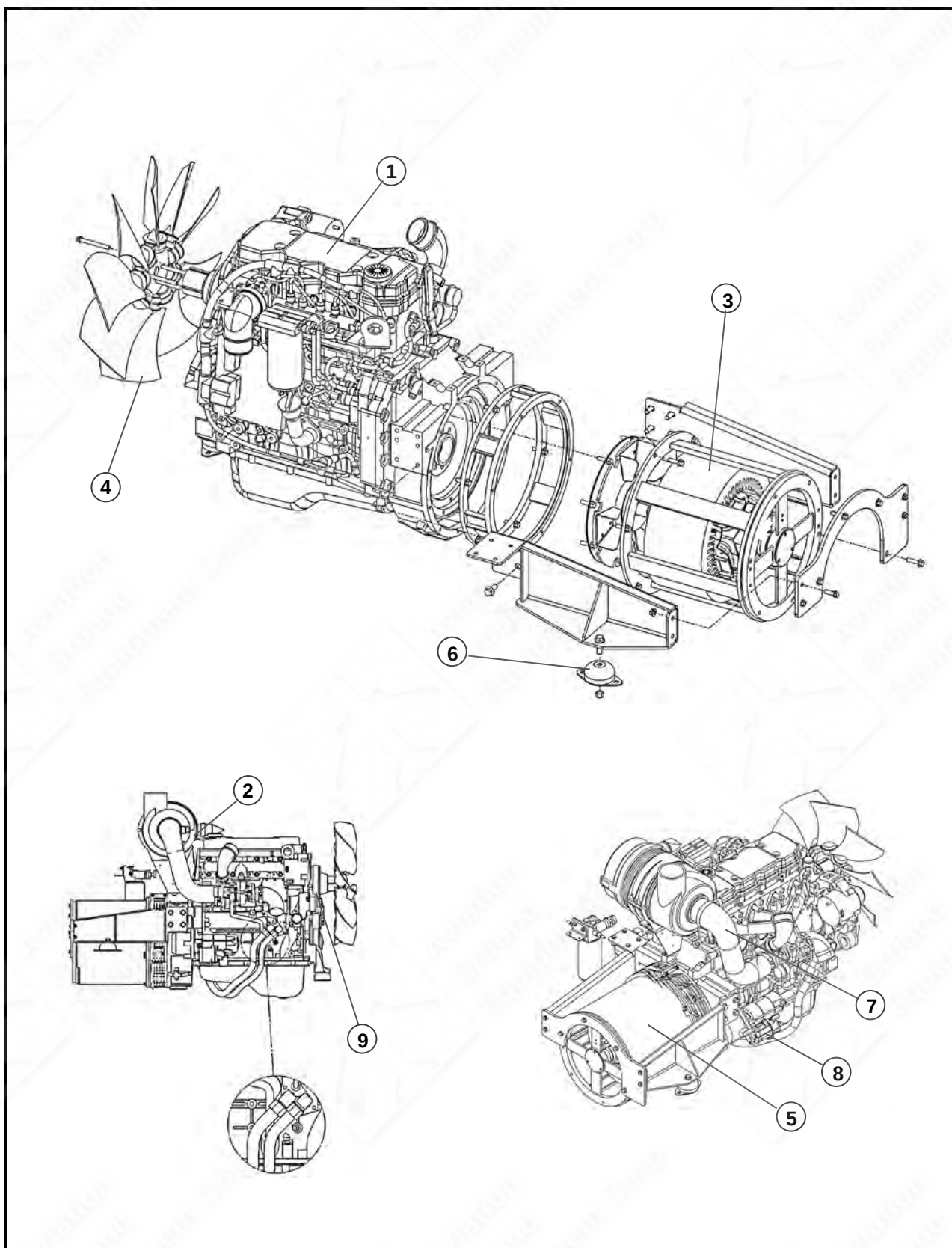


Figure 3-4. Genset Assembly, JetEx® 8 T3 (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-4-	293437	Genset Assembly, 6400-T3	1
1	293438	Engine, Cummins 28.5V DC QSB4.5	1
2	282918	..Indicator, Electrical, Restriction	1
3	288985	..Generator Assembly	1
4	FB11360	..Fan, Radiator	1
5	288003	..Cover, Fan Housing	1
6	VM11349	..Mount, Engine/Generator	3
7	293457	..Tube, Air Intake, Rubber Formed	1
8	EC11682	..Motor, Starter	1
9	3289941	..Belt, Serpentine	1

Figure 3-4. Genset Assembly, JetEx® 8 T3 (Sheet 2 of 2).

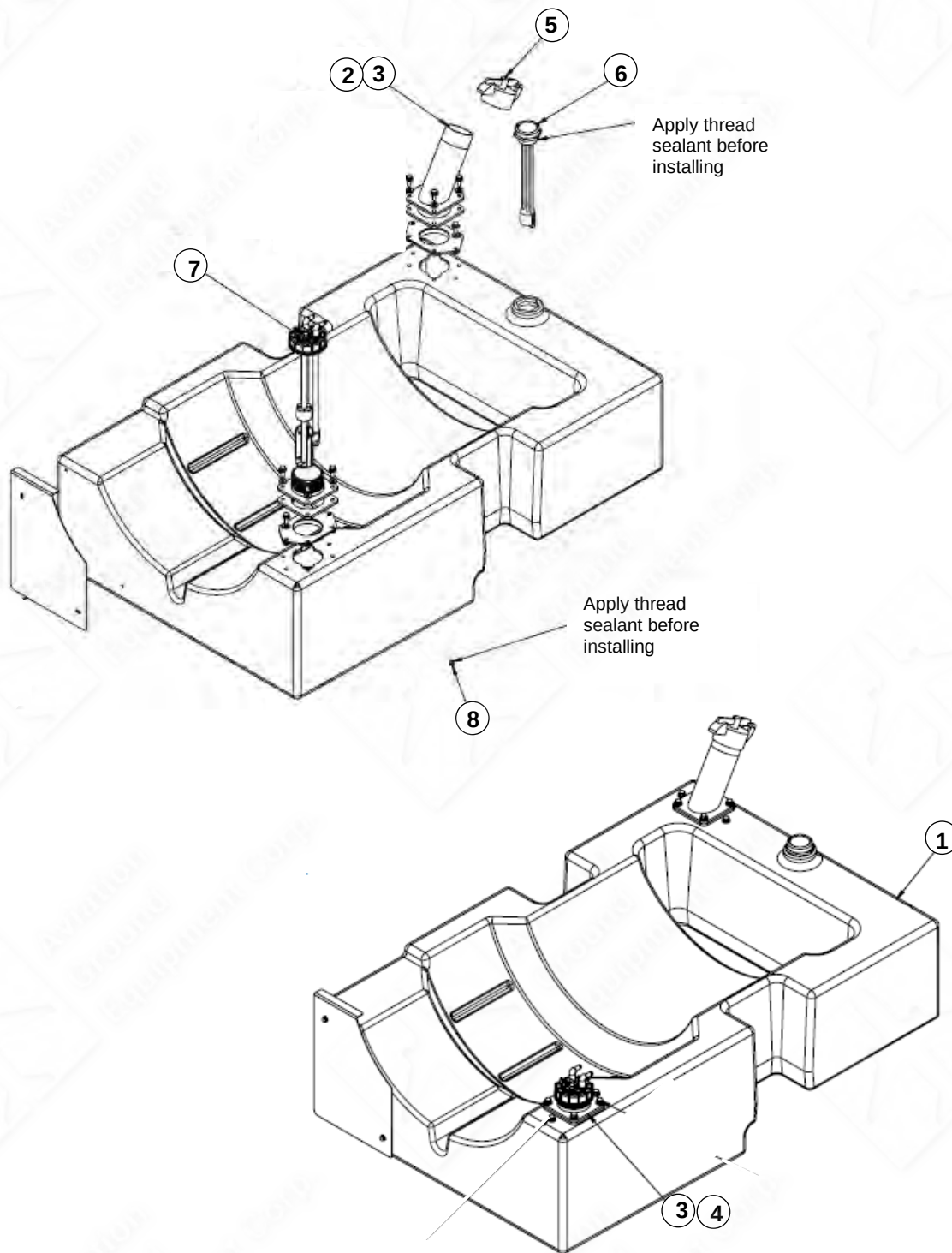


Figure 3-5. Fuel Tank Composite Assembly, JetEx® 8 T3 (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-5-	293395	Fuel Tank Assembly Composite	1
1	293090	..Plate, Fuel Neck, Internal	2
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	..Protectoseal, Fuel Cap Green	1
6	IL11359	..Mechanical Fuel Gauge	1
7	SR11536	..Fuel Sender, w/Coupling Cap	1
8	HV11620	..SAE-2 Plug	2
*item not illustrated			

Figure 3-5. Fuel Tank Composite Assembly, JetEx® 8 T3 (Sheet 2 of 2).

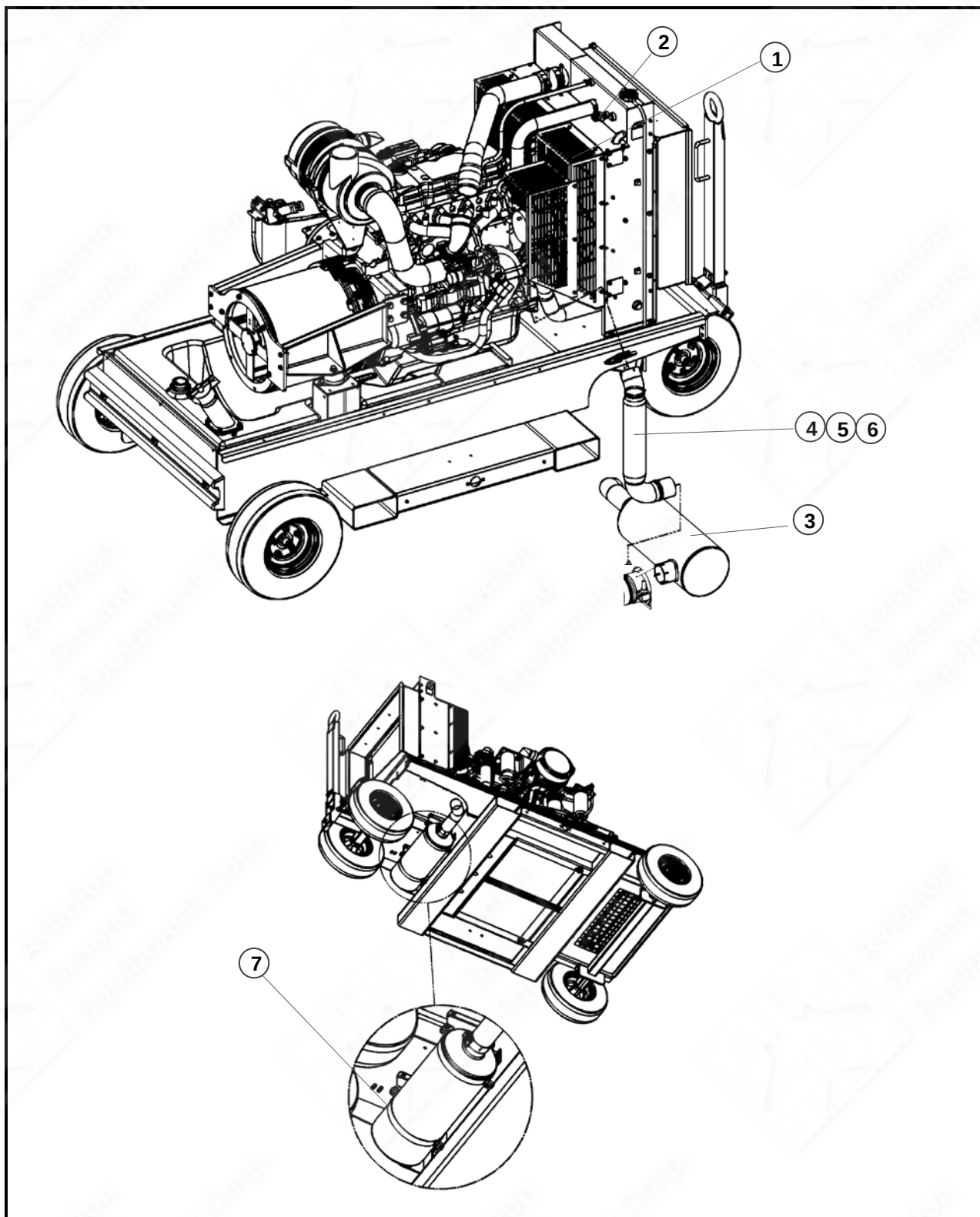


Figure 3-6. Radiator/After-Treatment Installation, JetEx® 8 T3 (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-6-	293440	Radiator /Exhaust Installation	REF
1	293069	.Radiator (Coolpack)	1
2	AA6380	...Sensor, Coolant Level, 3 Pin	1
3	293175	.Muffler Assembly	1
4	293349	..Assy, Muffler Pipe w/Thermo Jacket	1
5	293023	...Muffler Pipe	1
6	EB11641	...Thermo Jacket – 30" Long	1
7	293272	... Bracket, DOC	2
* Item Not Illustrated			

Figure 3-6. Radiator/After-Treatment Installation, JetEx® 8 T3 (Sheet 2 of 2).

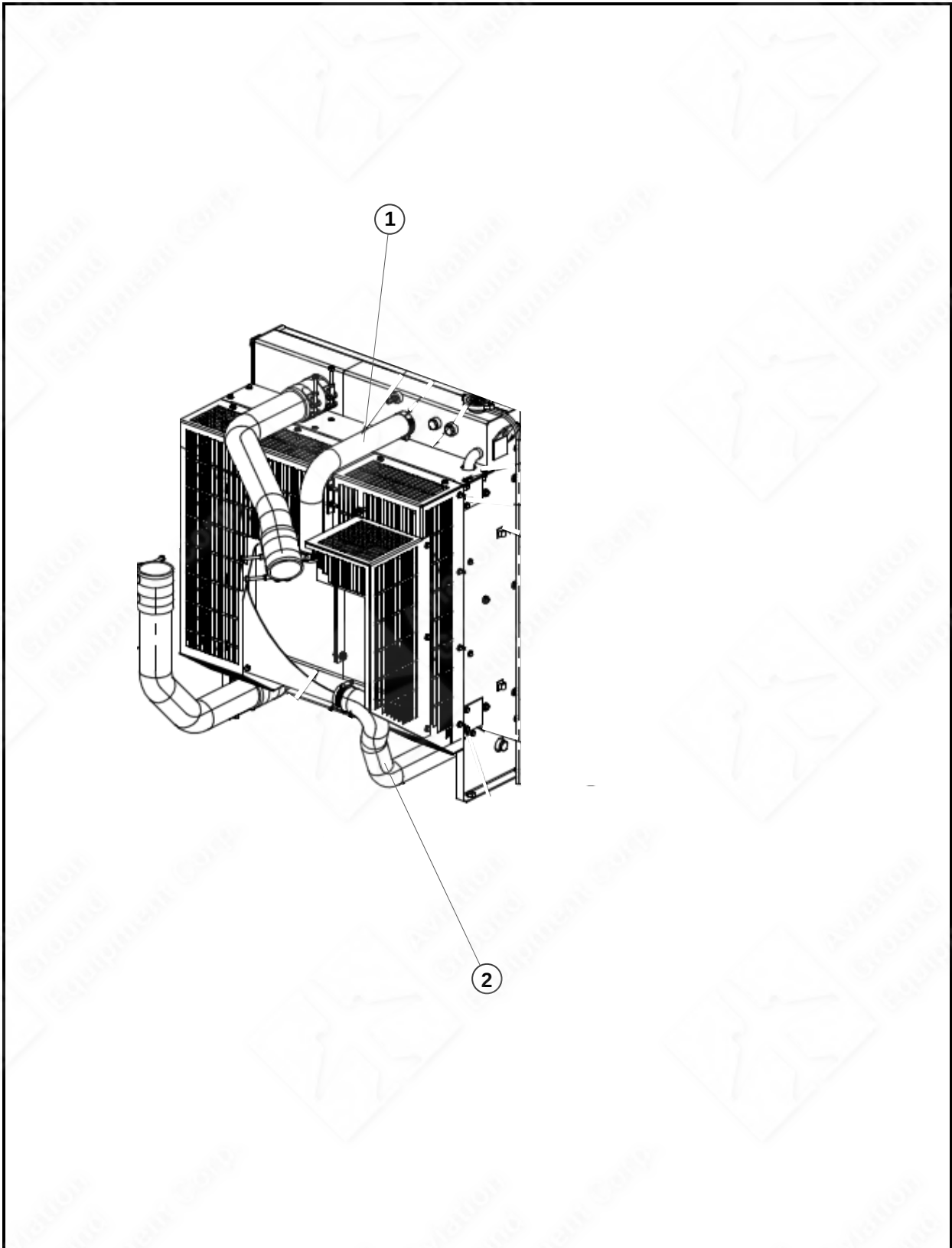


Figure 3-7. Coolpack, Radiator Assy JetEx® 8 T3 (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-7-	293069	Coolpack, Radiator Assy	REF
1	892001025	Top Radiator Hose	1
2	892001126	Bottom Radiator Hose	1

Figure 3-7. 6400-T3 Coolpack, Radiator Assy JetEx® 8 (Sheet 2 of 2).

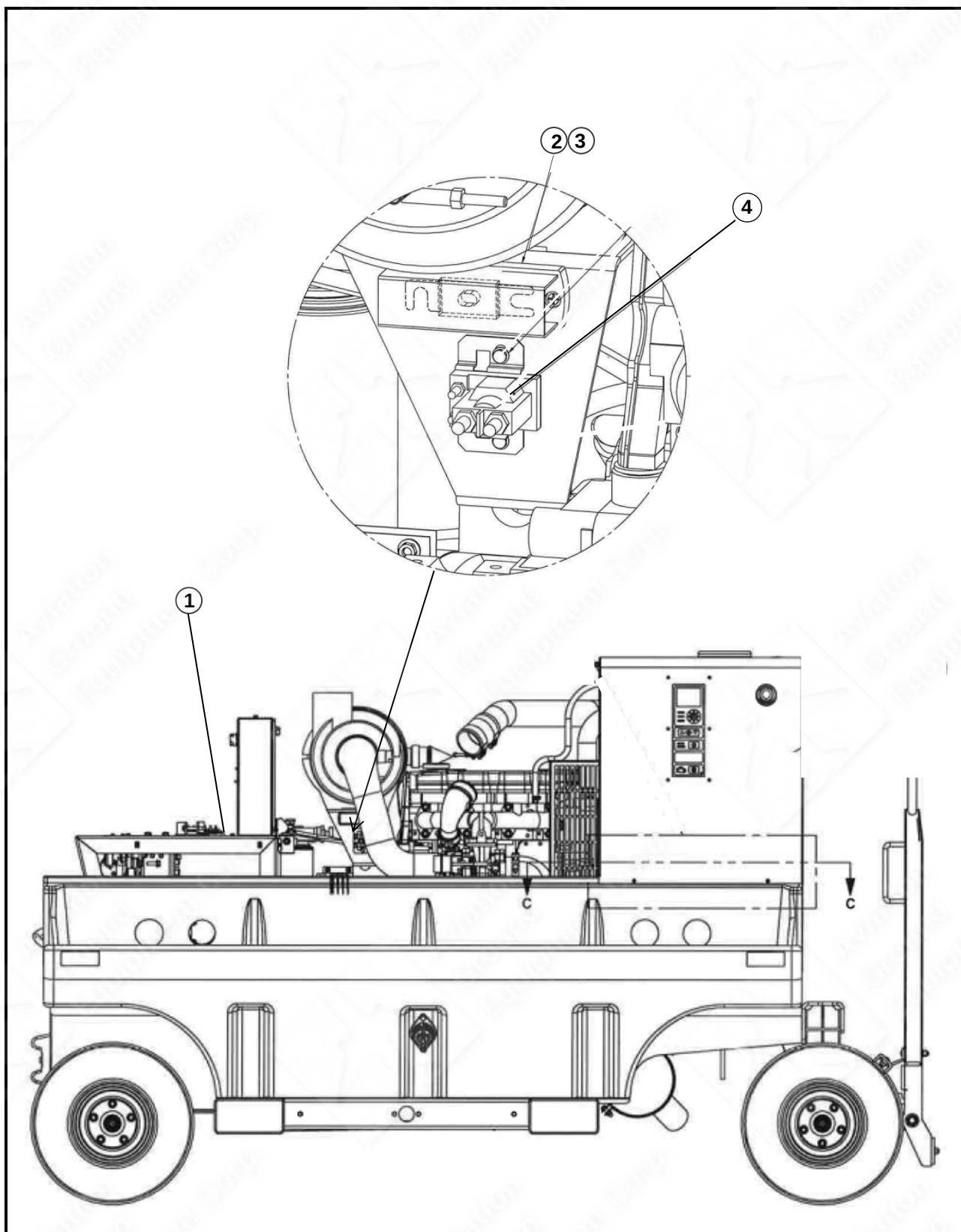


Figure 3-8. 6400-T3, Electrical System Installation, JetEx® 8 (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-8	293441	Electrical System Installation, 6400-T3	REF
1	293268-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
	*293059	...Harness, Jumper Kit, Power	1
	*293060	...Harness, Main Chassis	1
	*293145	Schematic, Engine Drive, 4400	REF
*Item not Illustrated			

Figure 3-8. 6400-T3, Electrical System Installation, JetEx® 8 (Sheet 2 of 2).

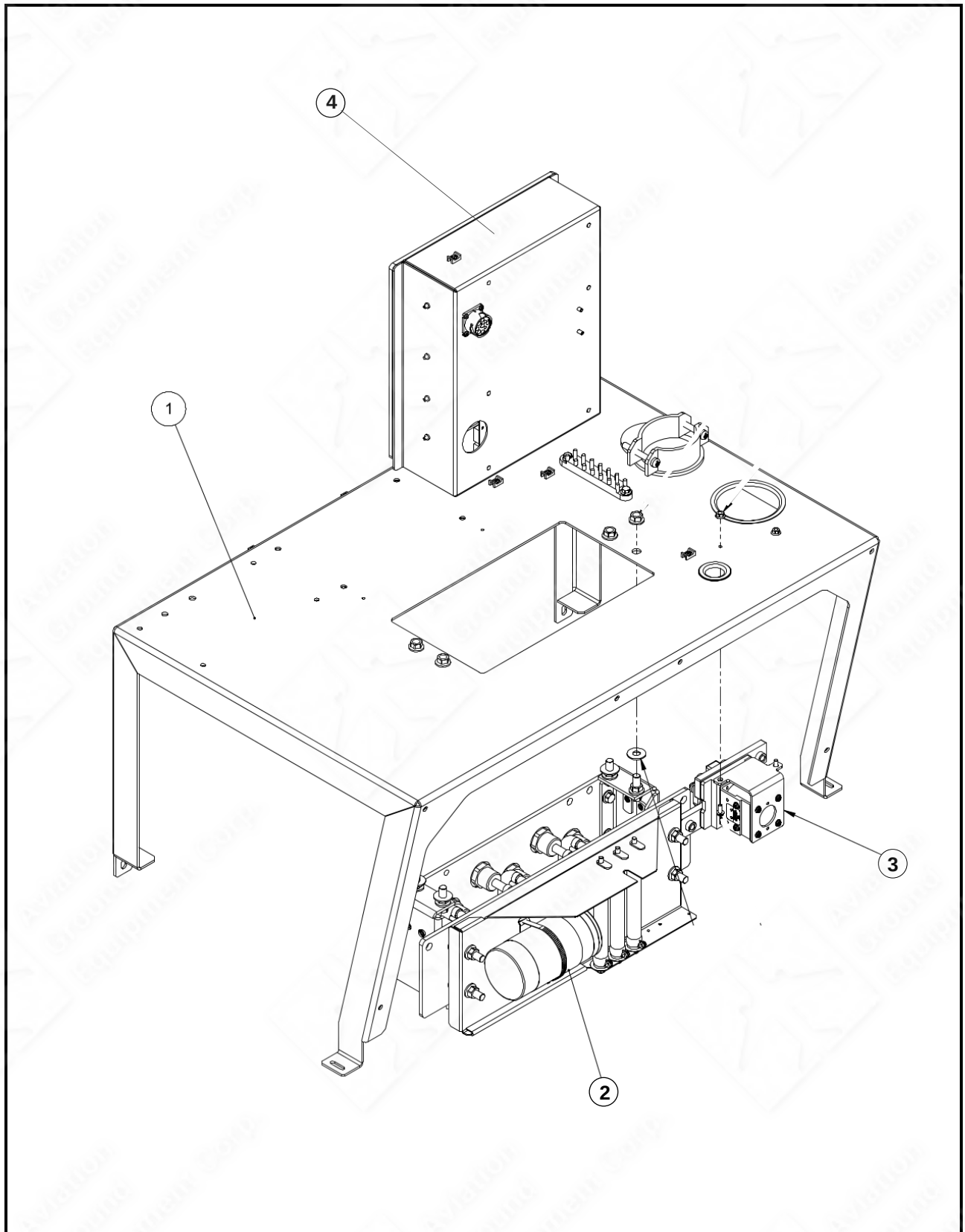


Figure 3-9. 6400-T3, Output Table Assembly, JetEx® 8 (Sheet 1 of 2).

FIGURE - ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-9	293268-XX	Output Table Assy – 6400-T3 / T4	REF
1	293132	.Output Stand	1
	*293208	..Harness, Output Table	1
2	293273	.Rectifier TRU Assembly	1
	*293203	..Harness Kit, Rectifier Assembly	1
3	286810-002	.Contactor, DC, 800 AMP, 12VDC	1
4	293303	.Control Box Assembly	1
*Item Not Illustrated			

Figure 3-9. 6400-T3, Output Table Assembly, JetEx® 8 (Sheet 2 of 2).

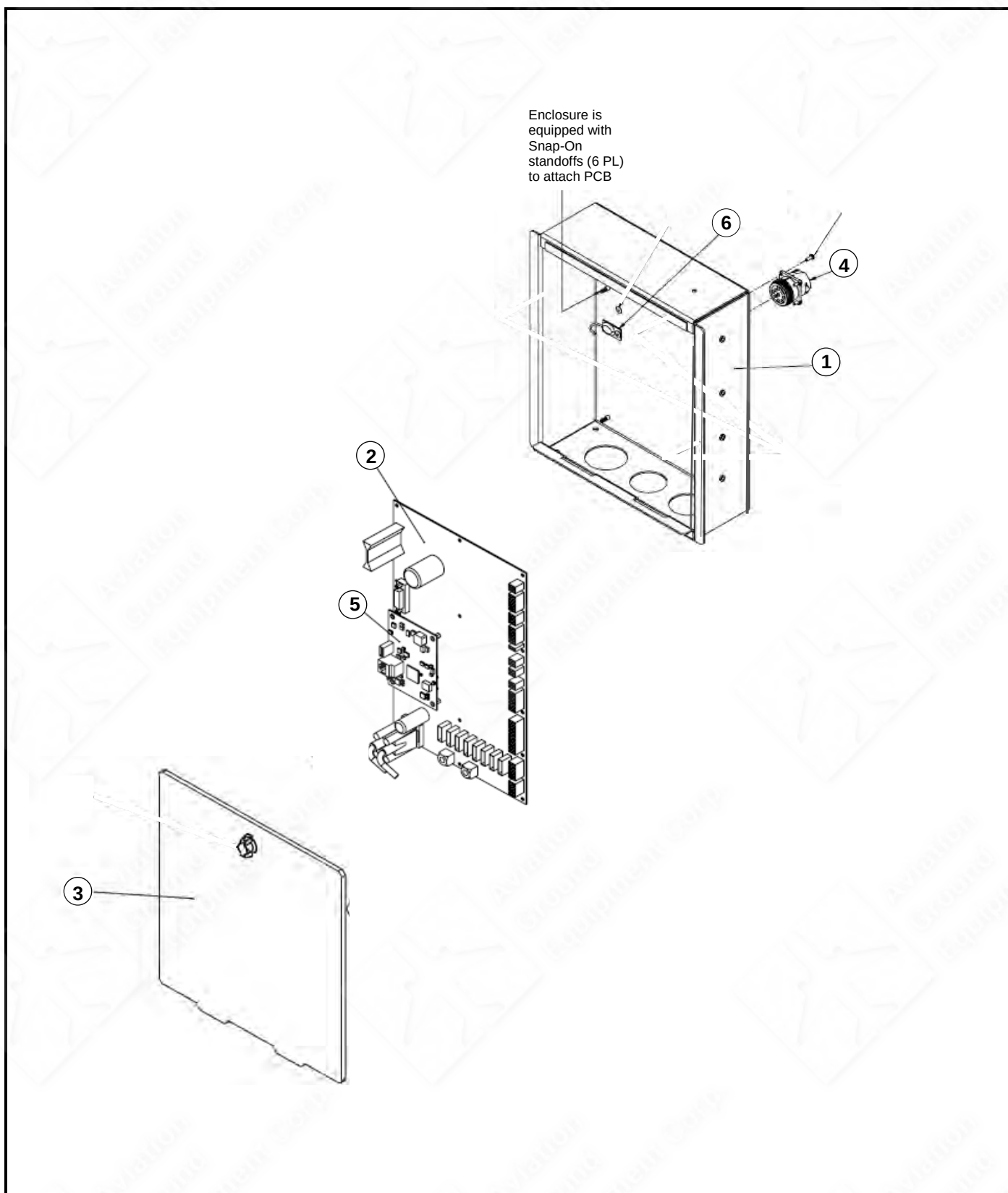


Figure 3-10. 6400-T3. Control Module Box Assembly JetEx® 8 (Sheet 1 of 2).

FIGURE ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.
3-10-	293303	Control Module Box Assembly	REF
1	293249	.Control Box	1
2	579542	..Diesel Interface Board, 12V System	1
	*AP-SI2076	...Fuse, F1, 2 amp Protects Display	1
	*AP-SI2075	...Fuse, F2, 5 amp Protects Control Board	1
	*AP-SI2075	...Fuse, F3, 5 amp Protects Exciter 12V	1
	*AP*SI2075	...Fuse, F4, 5 amp Protects Contactor	1
	*AP-SI2076	...Fuse F5, 2 amp Protects Relay	1
	*AP-SI2075	...Fuse F6, 5 amp Protects Ignition Key Switch	1
	*AP-SI2075	...Fuse F7, 5 amp Protects ECM (Dongle)	1
	*AP-SI2085	...Fuse F8, 10 amp Protects Exciter (Out)	1
	*AP-SI2078	...Fuse F9, 30 amp Protects ECM Power	1
	*FU11370	...Fuse F10, 150 amp Protects Intake Air Heater Fuse	1
3	293026	..Control Box Cover	1
4	293211	...Cummins Dongle Harness	1
5	579526-J8	..Control Board	1
6	AP-579533	..EEPROM Board	1
	*293428	.Engine Drive Schematic	REF
* Item Not Illustrated			

Figure 3-10. 6400-T3. Control Module Box Assembly JetEx® 8 (Sheet 1 of 2).

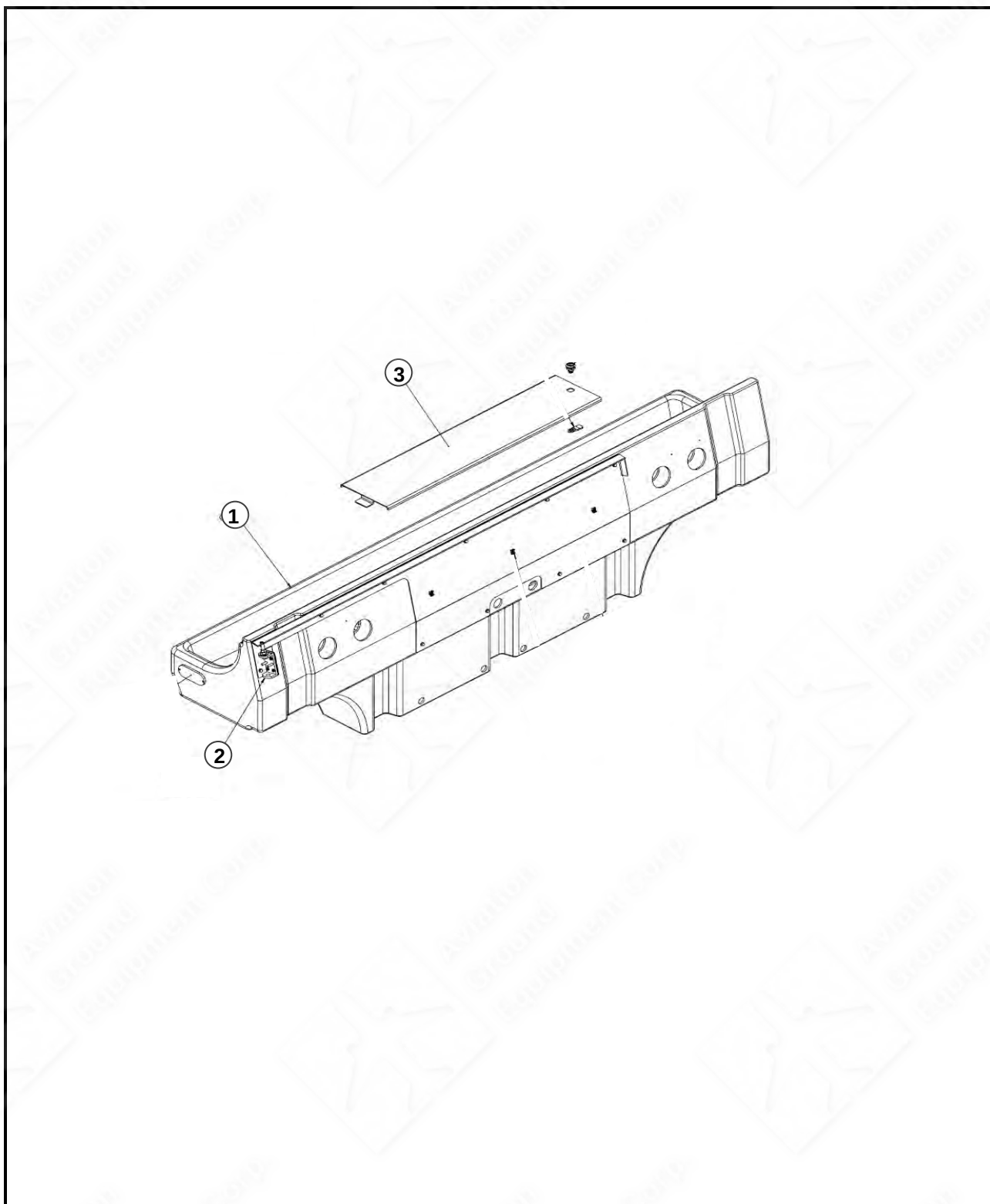


Figure 3-11. Cable Tray Assembly, Right Side JetEx® 8 T3 (Sheet 1 of 2).

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	.Compression Latch, Modified	1
	3 293013	..Battery Cover	1
* Item Not Illustrated			

Figure 3-11. Cable Tray Assembly, Right Side JetEx® 8 T3 (Sheet 2 of 2).

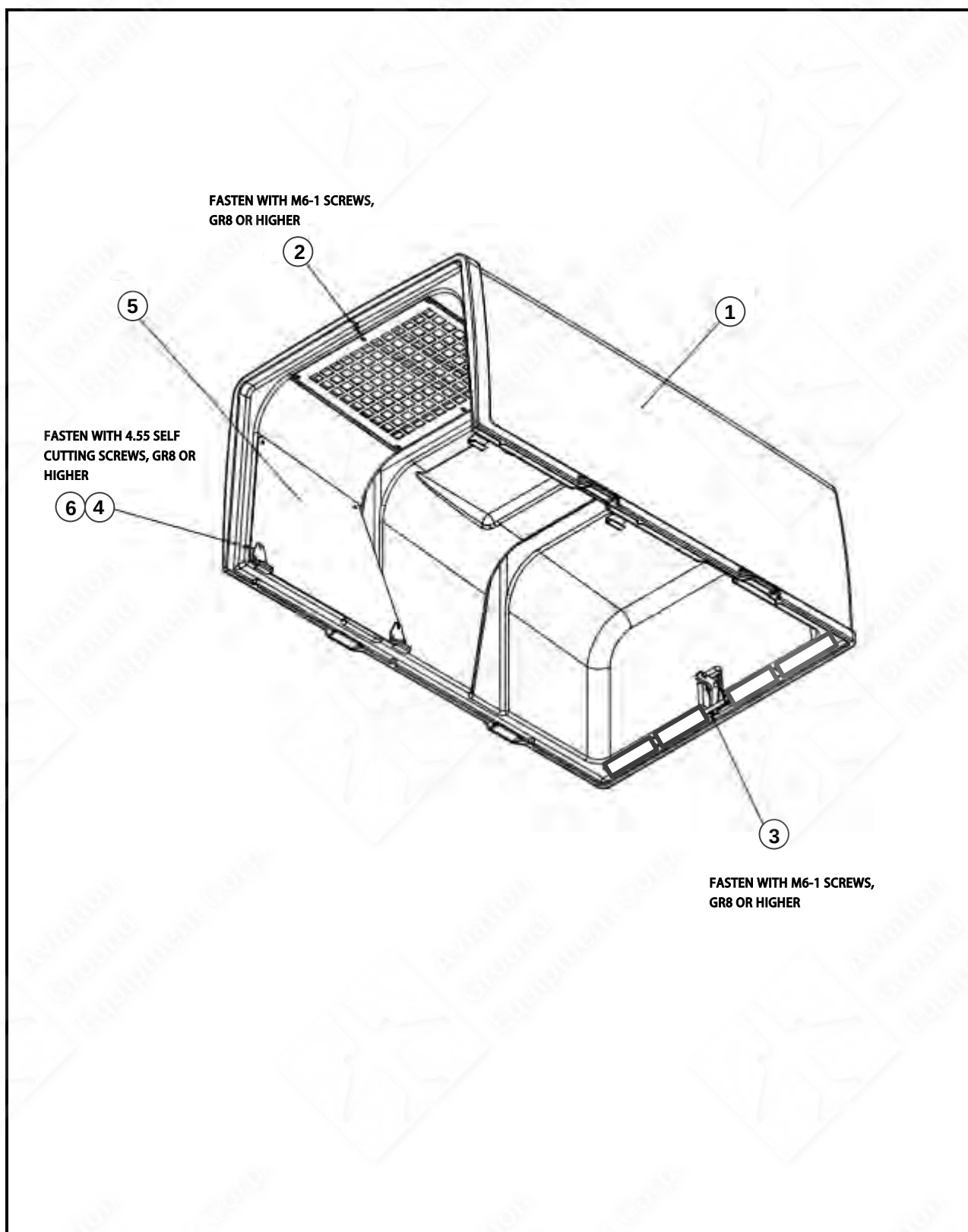


Figure 3-12. Top Canopy, Composite, Assembly JetEx® 8 T3 (Sheet 1 of 2).

FIGURE ITEM NO.	ITW GSE PART NO.	NOMENCLATURE	QTY.	
3-12-	1	293517	Top Canopy, Composite, Assembly	REF
	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 JetEx® 8 T3 (Sheet 2 of 2).