

Parts Manual

100_{SERIES}

 **Aqua-Hot**®
An AIRXCEL Brand

AHM-125-D02
DIESEL

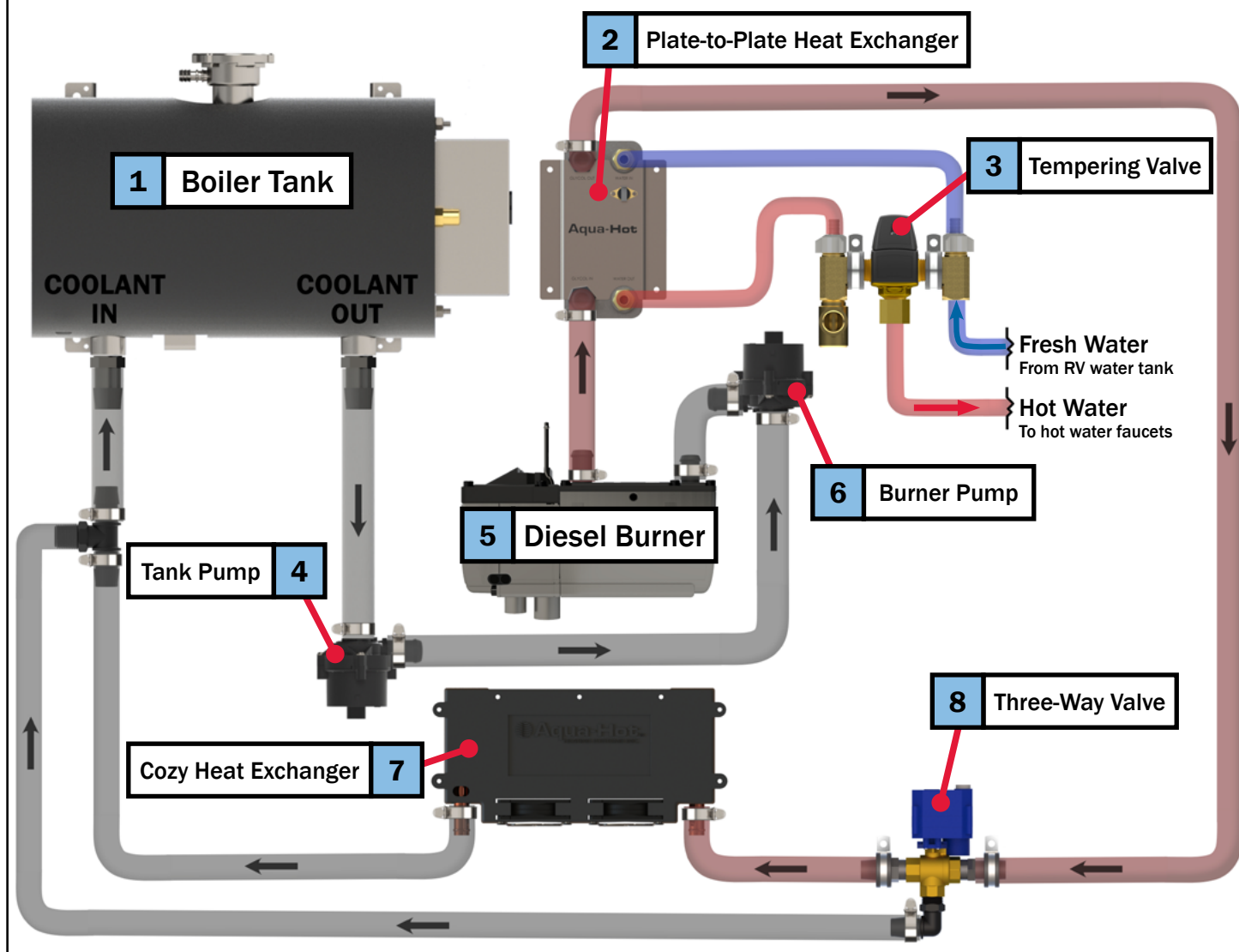


NOTE: Service parts and accessories are available through Aqua-Hot Factory Authorized Service Centers or www.aquahot.com. Click on the part number to route you to the Aqua-Hot webstore to purchase.

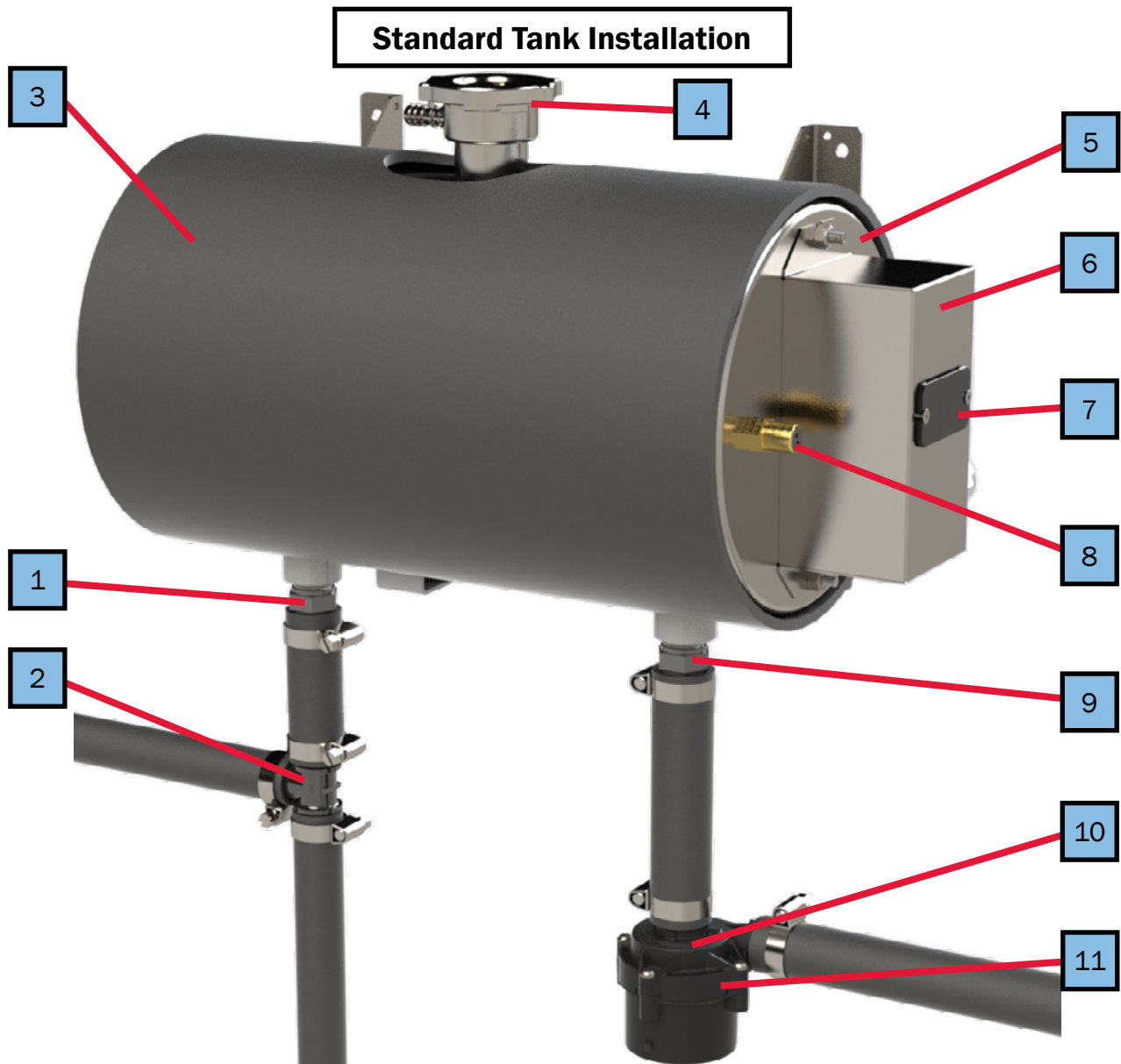


Key	Part Number	Beginning of Use	Description
1	ELE-LCD-050	Launch	Aqua-Hot LCD Screen, Touchscreen, RVC, 3.5in
2	ELE-RVC-100	Launch	RVC Display Cable
3	ELE-100-111	Launch	Kit, Coach-side Controller Components
4	ELE-DIV-100	Launch	Harness, Main DC
-	ELE-DIV-105	Launch	Harness, Tank DC (not pictured)
-	ELE-DIV-110	Launch	Harness, AC (not pictured)
5	ELE-TER-100	Launch	Terminator, RV-C In-Line Mini-Clamp
6	ELX-700-007	Launch	Room Thermostat, Positive Off
7	ELX-500-510	Launch	Low Temperature Bay Thermostat Assembly
8	ELX-THM-309	Launch	Thermistor, 10K NTC, Room Temperature Sensor
9	PLX-000-825	Launch	Black Nylon Coupler Fitting 3/4"
10	32704372	Launch	5/16" Heater Hose
11	PLX-000-433	Launch	CONS 3/4" Heater Hose, Green Stripe
12	EB9X027SS(00C)	Launch	Clamp, Worm Gear, 16-27mm, 300 Grade Stainless, 9mm Band
13	PLX-507-K13	Launch	Clamp, Worm Drive, 1/2" - 3/4", Stainless
14	HDX-102-111	Launch	Clamp, (10.5mm), Soft Hose and Tube
15	HDX-102-113	Launch	Clamp, 3/8 to 7/16 (11.3mm), Soft Hose and Tube
16	MSX-907-162	Launch	Antifreeze Refractometer (Tester)

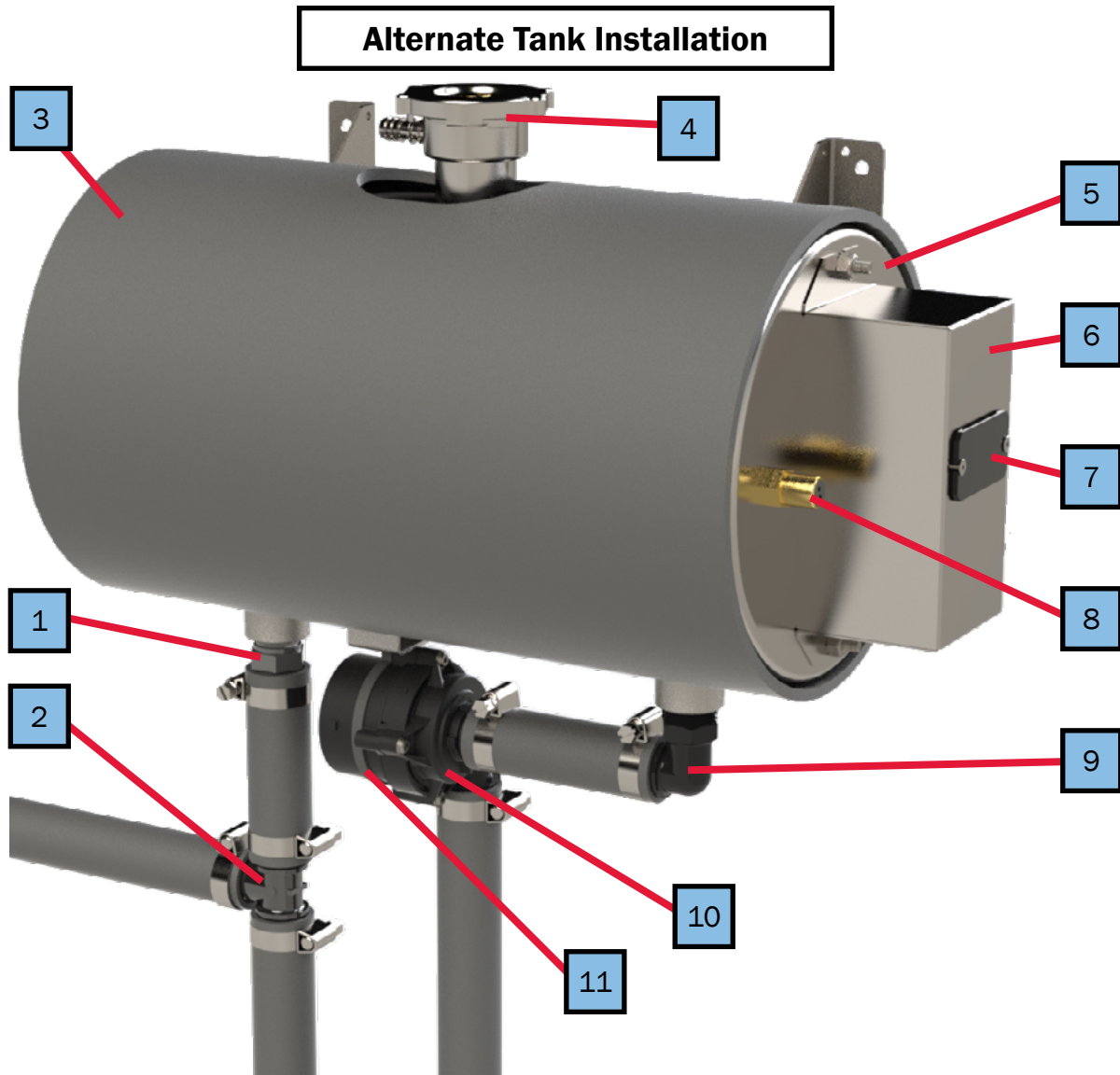
AHM-125 System Overview



Key	Part Number	Date of Use	Description
1	TNE-135-011	Launch	Tank, Powder Coat, 7 PSI
2	PLX-102-050	Launch	Small Heat Exchanger, (2) ½" FNPT, (2) 2" MNPT
3	PLX-362-100	Launch	Valve, ½" NPTM ESBE 120°F Tempering
4	PLX-100-900	Launch	C21 Buehler Circulation Pump
5	DBX-125-5KW	Launch	5KW Diesel Burner
6	GBX-125-103	Launch	Burner Circulation Pump
7	EXE-103-OEX	Launch	Heat Exchanger, Cozy III
8	PLX-251-M01	Launch	Kit, Three-Way Valve, AHM Series

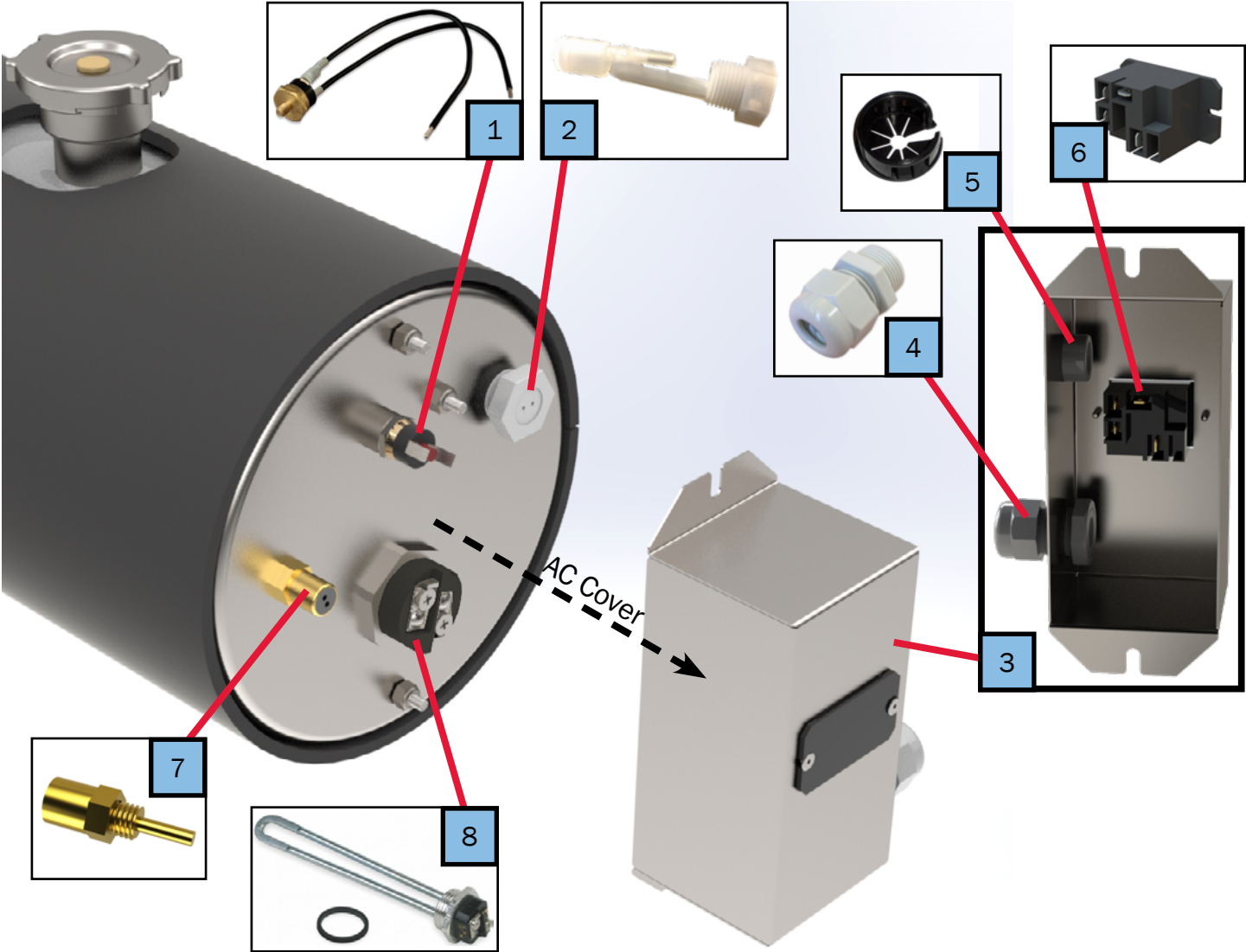


Key	Part Number	Date of Use	Description
1	PLX-200-103	Launch	Black Nylon Barb Fitting, 1/2"
2	PLX-250-210	Launch	Fitting, 3/4" Barb Tee, GFBN
3	MSE-135-200	Launch	Insulation, Tank
4	TNX-135-020	Launch	Radiator Cap, 7 PSI
5	TNE-135-011	Launch	Tank, Powder Coat, 2gal
6	SME-135-002	Launch	Cover, A/C
7	ELX-232-948	Launch	Relay, 30A 277VAC
8	ELE-014-712	Launch	Thermistor, Tank Temperature Sensor
9	PLX-200-103	Launch	Black Nylon Barb Fitting, 1/2"
10	PLX-100-900	Launch	C21 Buehler Circulation Pump
11	HDX-317-7T2	Launch	Pump Mount



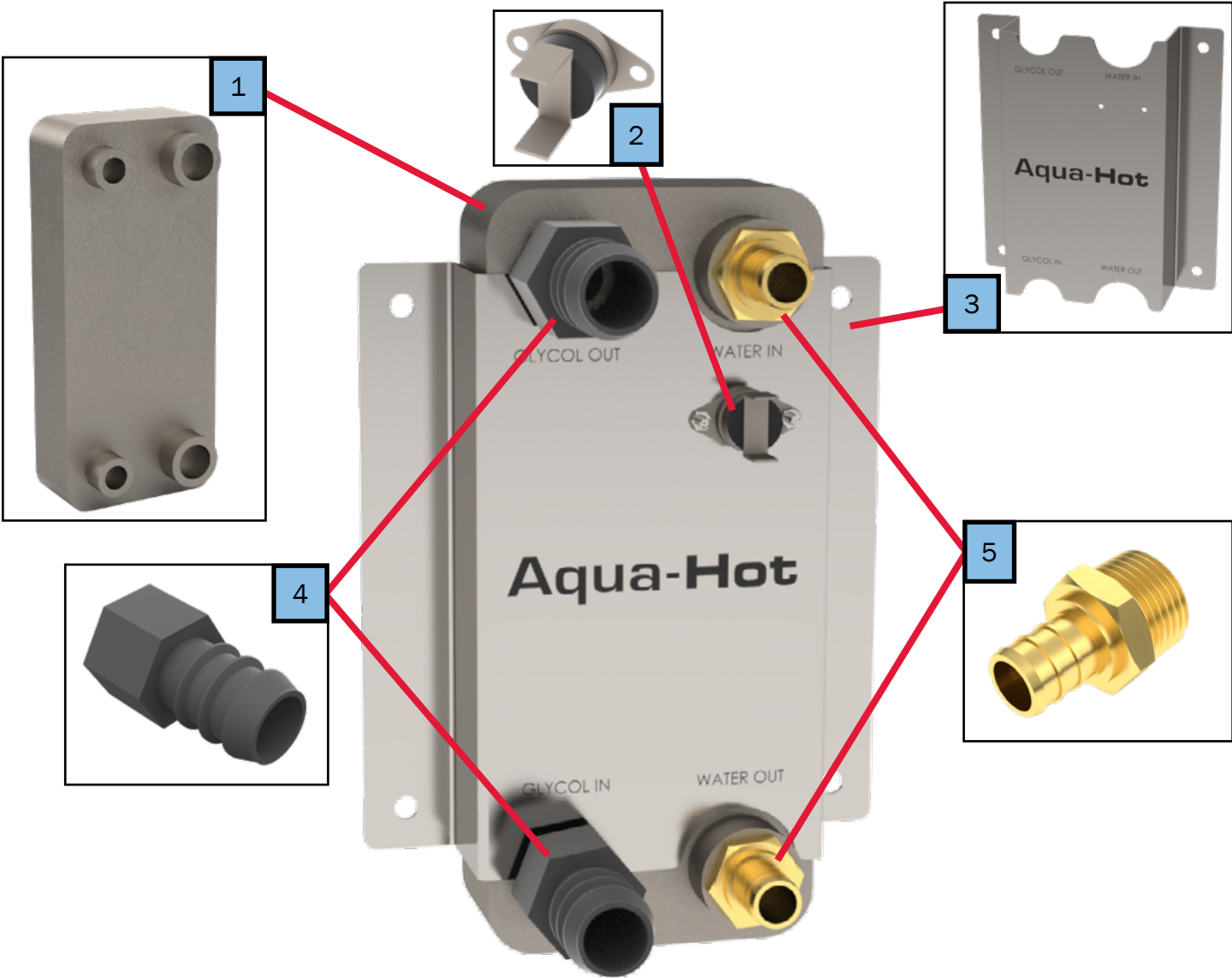
Key	Part Number	Date of Use	Description
1	PLX-200-103	Launch	Black Nylon Barb Fitting, ½"
2	PLX-250-210	Launch	Fitting, ¾" Barb Tee, GFBN
3	MSE-135-200	Launch	Insulation, Tank
4	TNX-135-020	Launch	Radiator Cap, 7 PSI
5	TNE-135-011	Launch	Tank, Powder Coat, 2gal
6	SME-135-002	Launch	Cover, A/C
7	ELX-232-948	Launch	Relay, 30A 277VAC
8	ELE-014-712	Launch	Thermistor, Tank Temperature Sensor
9	PLX-250-212	Launch	Fitting, Elbow ½" NPT x ¾" Barb, GFBN
10	PLX-100-900	Launch	C21 Buehler Circulation Pump
11	HDX-100-900	Launch	Tie, 8.9" Long, Arrowhead Push Mount

Tank Face Components



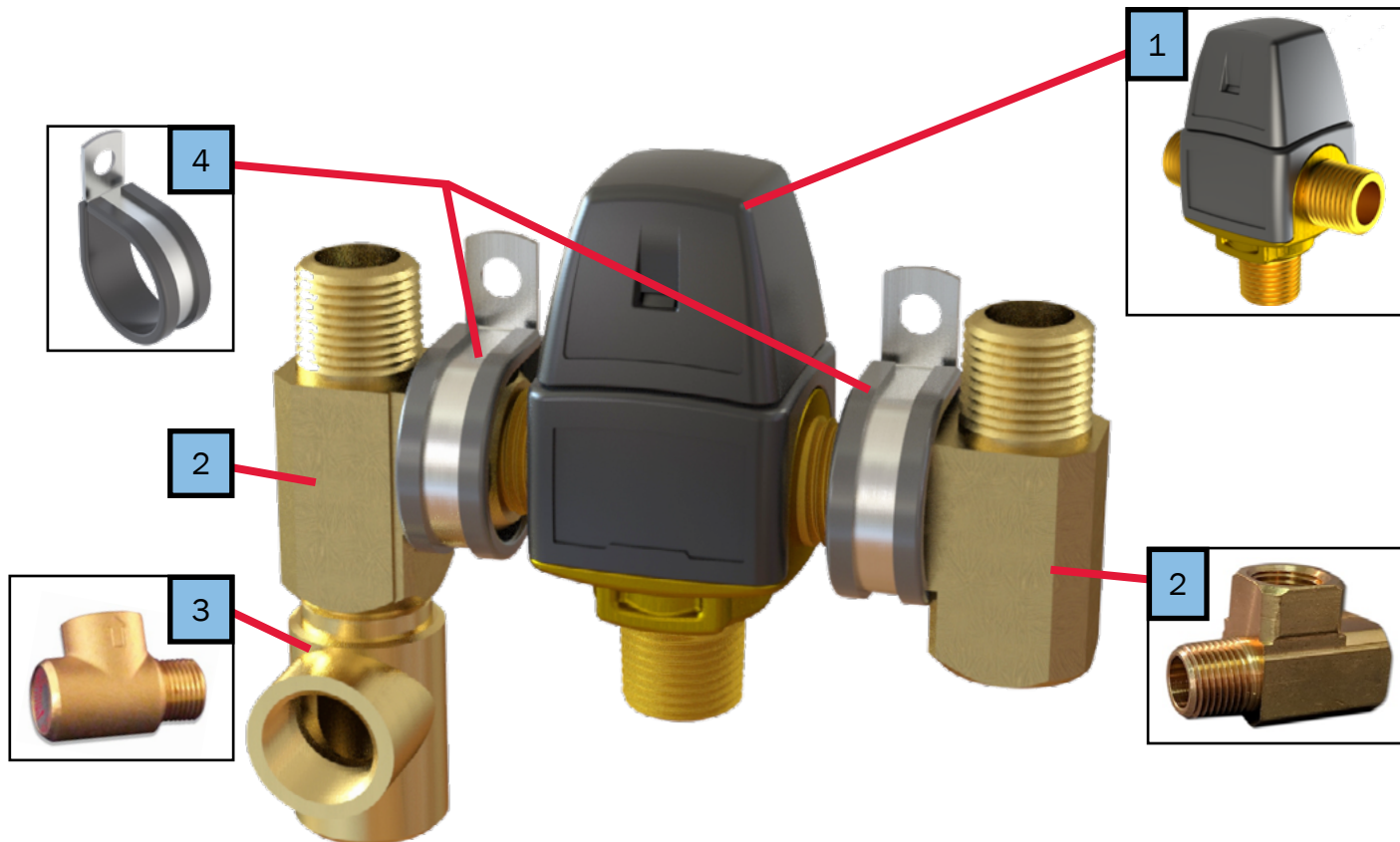
Key	Part Number	Date of Use	Description
1	ELE-HLT-125	Launch	High-Limit 215 °F Thermostat Assembly
2	ELX-135-M01	Launch	Kit, Float Switch, AHM, ½" NPT
3	SME-135-002	Launch	Cover, A/C
4	HDX-000-623	Launch	Plastic Romex Clip, ½"
5	ELX-000-072	Launch	Snap Bushing w/ Shutters, 0.750
6	ELX-232-948	Launch	AC Relay, 30A 277VAC
7	ELE-014-712	Launch	Thermistor, Tank Temperature Sensor
8	ELX-2E7-102	Launch	1500W, 120VAC Electric Element, 1" NPSM

Plate-to-Plate Heat Exchanger Assembly



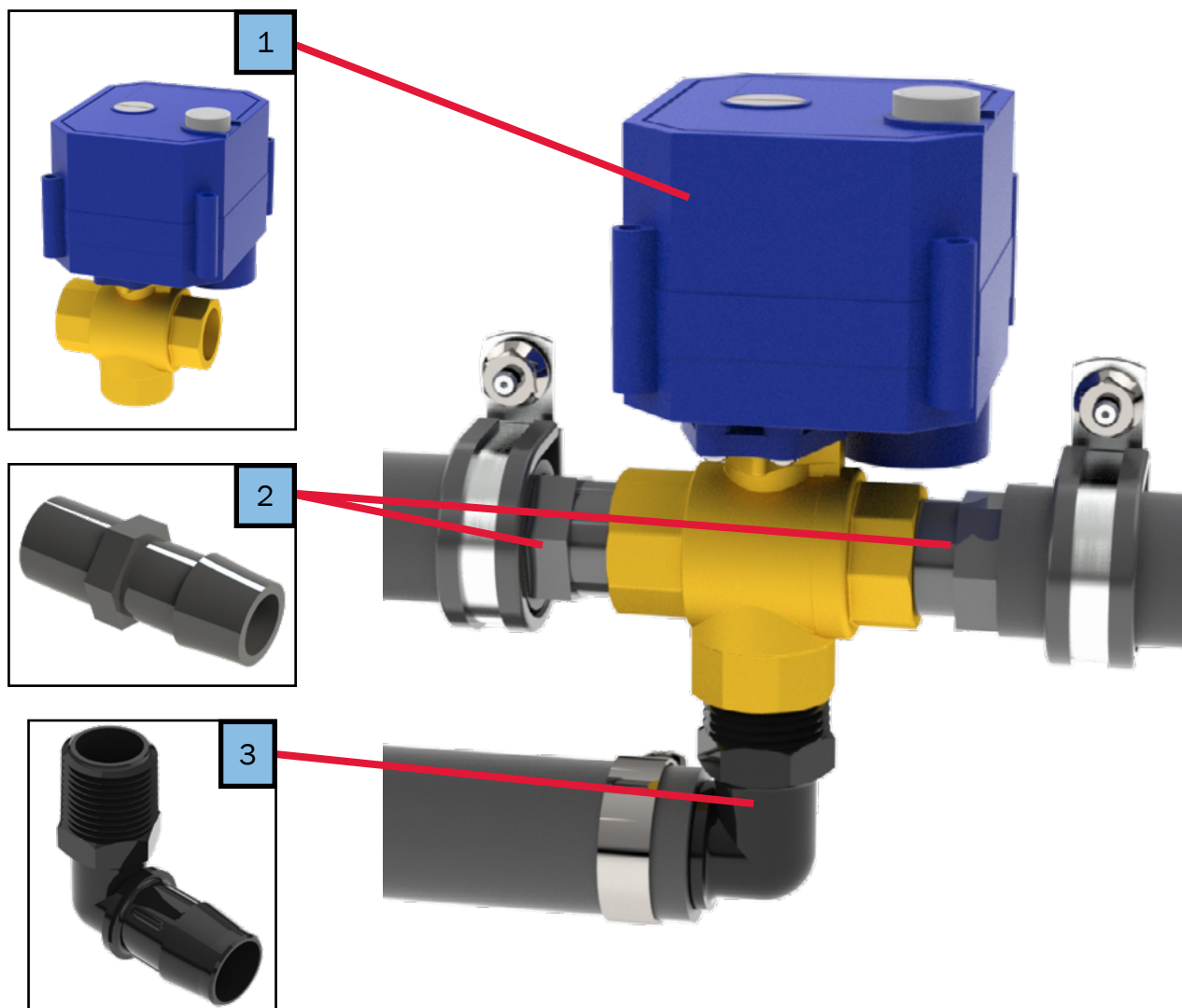
Key	Part Number	Date of Use	Description
1	PLX-102-050	Launch	Plate-to-Plate Heat Exchanger, (2) 1/2" FNPT, (2) 2" MNPT
2	ELE-LTC-135	Launch	Surface Mount Low-Temp Cutoff Thermostat
3	SME-135-001	Launch	Plate-to-Plate Heat Exchanger Mount
4	PLX-18K-258	Launch	Fitting, 3/4" Barb x 1/2" FNPT, Nylon
5	PLX-000-600	Launch	Fitting, 1/2" NPTM x 1/2" PEX Barb

Tempering Valve Assembly



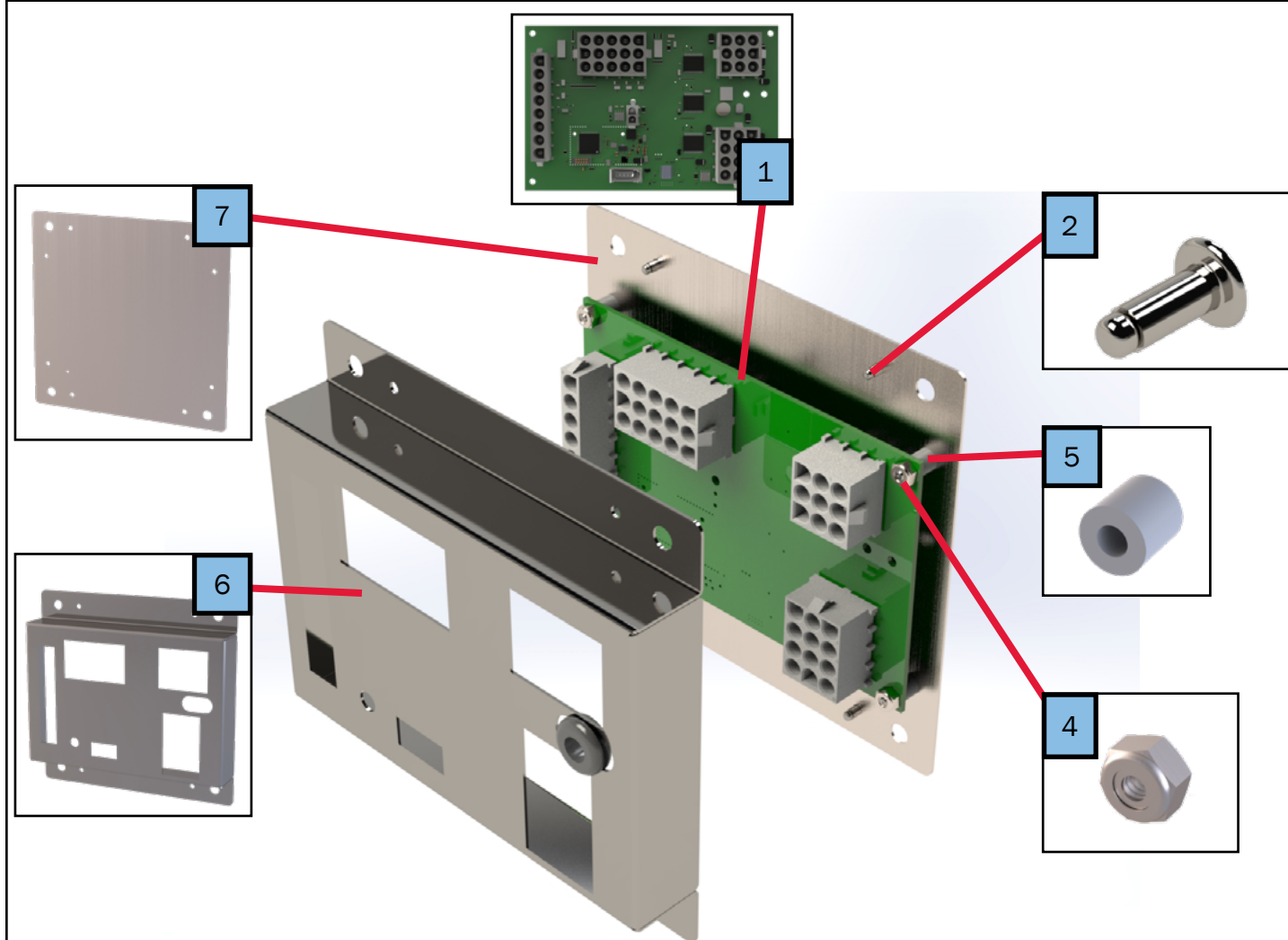
Key	Part Number	Date of Use	Description
1	PLX-362-100	Launch	Tempering Valve, ½" NPTM ESBE 120° F
2	PLX-0X1-07D	Launch	Brass Tee Fitting, ½" NPT (M) (F)
3	PLX-111-125	Launch	Pressure Relief Valve, 125 PSI
4	HDX-362-100	Launch	Steel P-Clamp

Three-Way Valve Assembly

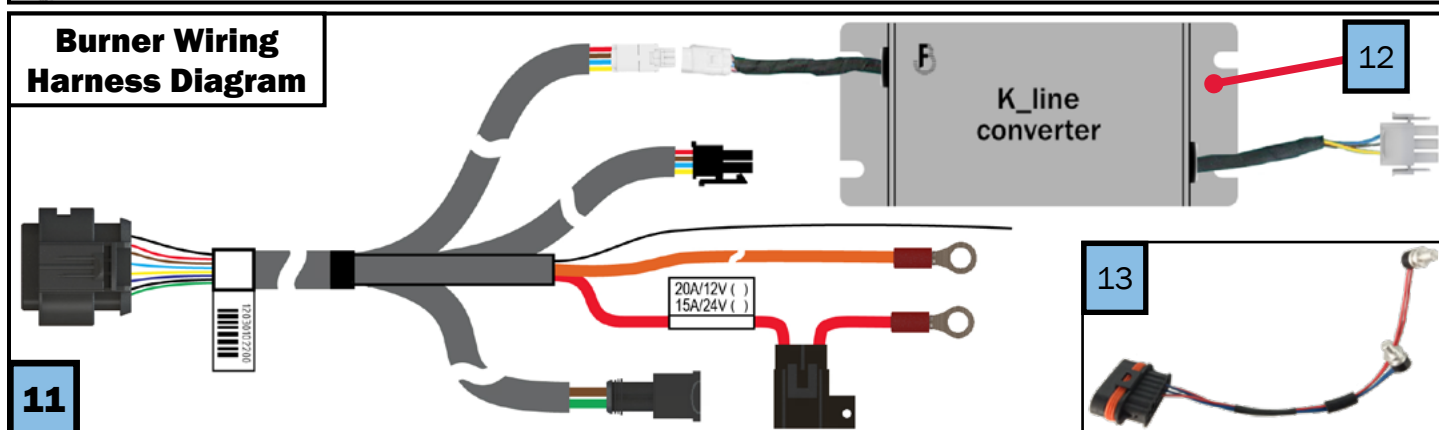
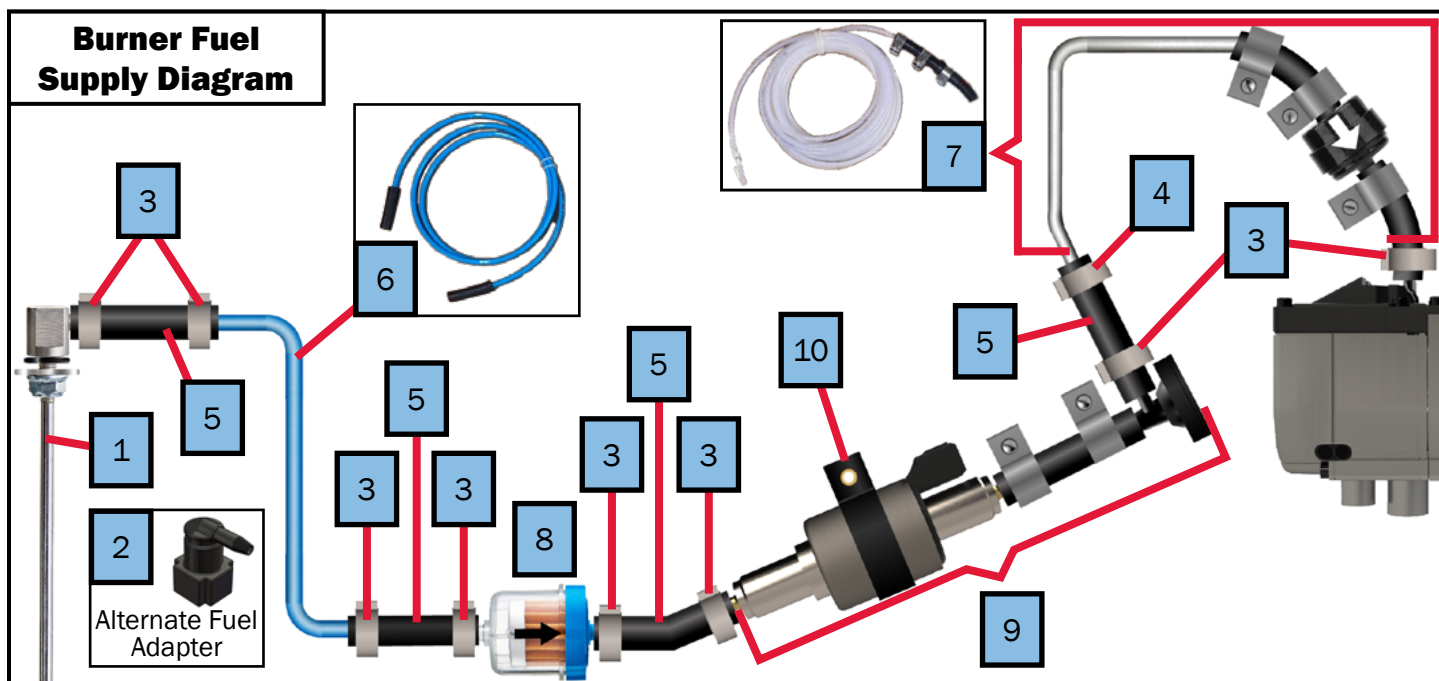


Key	Part Number	Date of Use	Description
	PLX-251-M01	Launch	Kit, Three-Way Valve, AHM Series
1	PLX-251-001	Launch	Valve, Three-Way, ½" NPT
2	PLX-200-103	Launch	Glass Filled Black Nylon Barb Fitting, ½" NPT x ¾"
3	PLX-250-212	Launch	Fitting, Elbow ½" NPT x ¾" Barb, GFBN
-	39-00-0039	Launch	CONS Terminal, Socket 20-24 AWG Mini-Fit Jr. (not pictured)
-	39-01-2020	Launch	CONS Plug, 20-24 AWG Mini-Fit Jr. 2-Pole (not pictured)

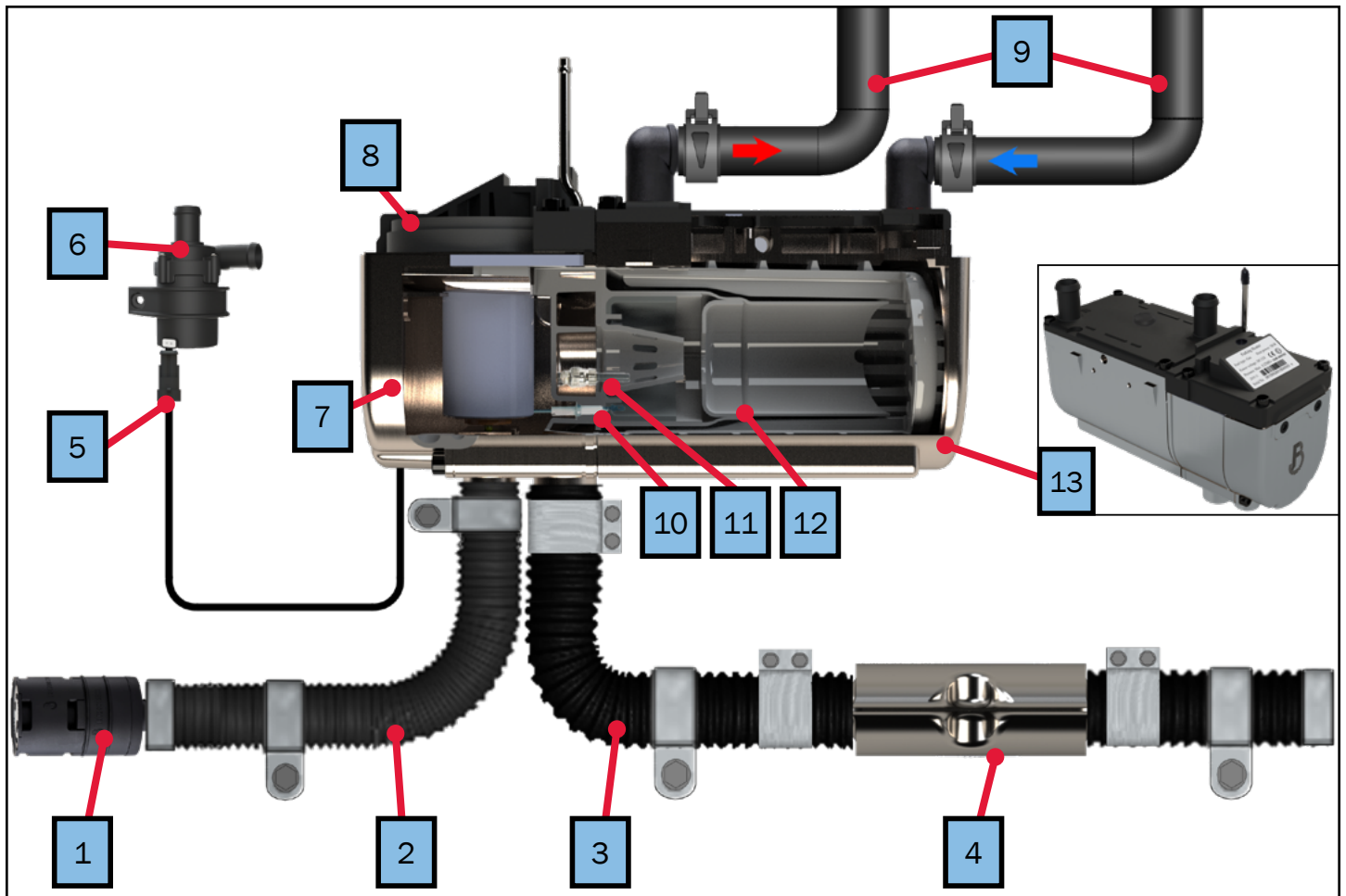
Controller Assembly



Key	Part Number	Date of Use	Description
	ELE-100-M01	Launch	Kit, Controller, AHM
1	ELE-PCB-100	Launch	Controller, 12VDC, 100-200 Series
2	41103	Launch	CONS Rivet, 1/8"Ø 0.063" - 0.125" Grip Steel
3	90631A005	Launch	CONS Fastener 4-40 Lock Nut
4	94639A201	Launch	CONS Spacer, 4-40 Nylon 1/4"L
5	SME-PCB-105	Launch	Flange, Control Mount
6	SME-PCB-106	Launch	PCB Flange Backplate
7	PLX-960-K16	Launch	Grommet, 7/16" (OD) x 9/32" (ID) x 7/16" Thick, SBR
-	RRR-XTE-855	Launch	03P Fan Motor CONN HSG (not pictured)
-	RRR-XTE-923	Launch	Mate N Loc Terminal (not pictured)



Key	Part Number	Date of Use	Description
Burner Fuel Supply Parts			
1	GBX-125-116	Launch	Fuel Tank Standpipe
2	FLX-135-012	Launch	SAE 7.89 Fuel Line Adapter
3	HDX-102-113	Launch	Clamp, $\frac{3}{8}$ to $\frac{7}{16}$ (11.3mm), Soft Hose and Tube
4	HDX-102-111	Launch	Clamp, (10.5mm), Soft Hose and Tube
5	GBX-125-115	Launch	10.5mm Coupler
6	GBX-125-122	Launch	Fuel Hose to Fuel Tank (blue)
7	GBX-125-121	Launch	Fuel Hose to Burner (clear) (Couplers & check valve included)
8	DBX-000-400	Launch	Fuel Filter. 5kW Heater
9	GBX-125-117	Launch	Assembled Fuel Pump
10	GBX-125-111	Launch	Fuel Pump Clip
Burner Wiring Harness Parts			
11	GBE-125-5KW	Launch	Burner Wiring Harness
12	GBX-125-102	Launch	Burner K_Line Converter
13	GBX-125-107	Launch	Temp and Overheat Sensor



Key	Part Number	Date of Use	Description
1	GBX-125-120	Launch	Air Intake Filter
2	GBX-125-113	Launch	Air Intake Hose
3	GBX-125-114	Launch	Exhaust Tube
4	GBX-125-118	Launch	Gas Burner Exhaust Muffler
5	GBX-125-119	Launch	Circulation Pump Wire Harness
6	GBX-125-103	Launch	Circulation Pump
7	GBX-125-108	Launch	12V Fan Motor Assembly/Controller
8	GBX-125-110	Launch	Fan Motor
9	GBX-125-123	Launch	Formed Heater Hose (ø 20mm)
10	GBX-125-106	Launch	Flame Sensor
11	GBX-125-104	Launch	Glow Plug
-	GBX-125-105	Launch	Glow Plug Holder (not pictured)
12	GBX-125-109	Launch	Combustion Chamber
13	DBX-125-5KW	Launch	5KW Diesel Burner with Harness

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DIESEL



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