

Parts Manual

# 100<sub>SERIES</sub>

 **Aqua-Hot**®  
An AIRXCEL Brand

AHM-125-G02  
GASOLINE

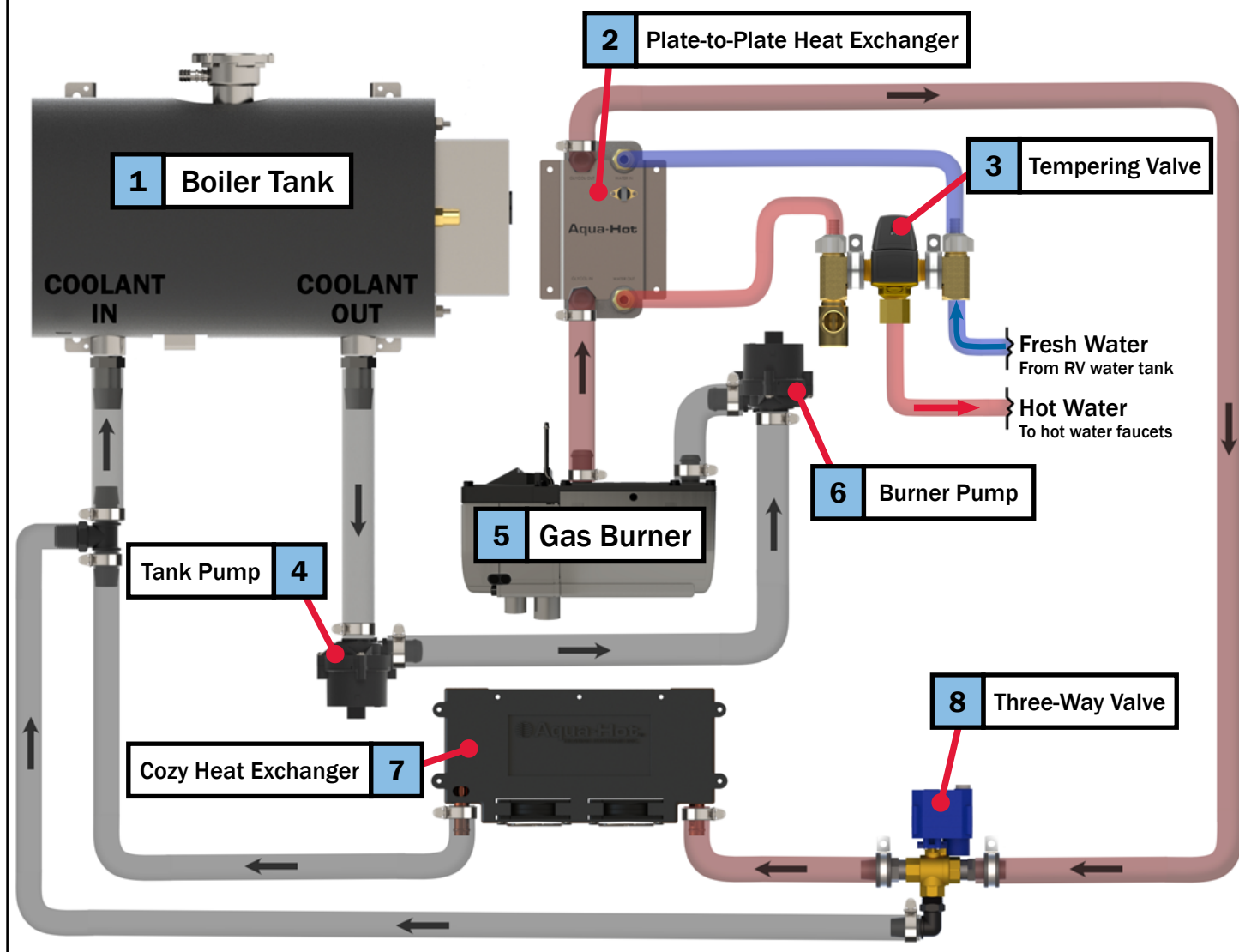


**NOTE:** Service parts and accessories are available through Aqua-Hot Factory Authorized Service Centers or [www.aquahot.com](http://www.aquahot.com). Click on the part number to route you to the Aqua-Hot webstore to purchase.

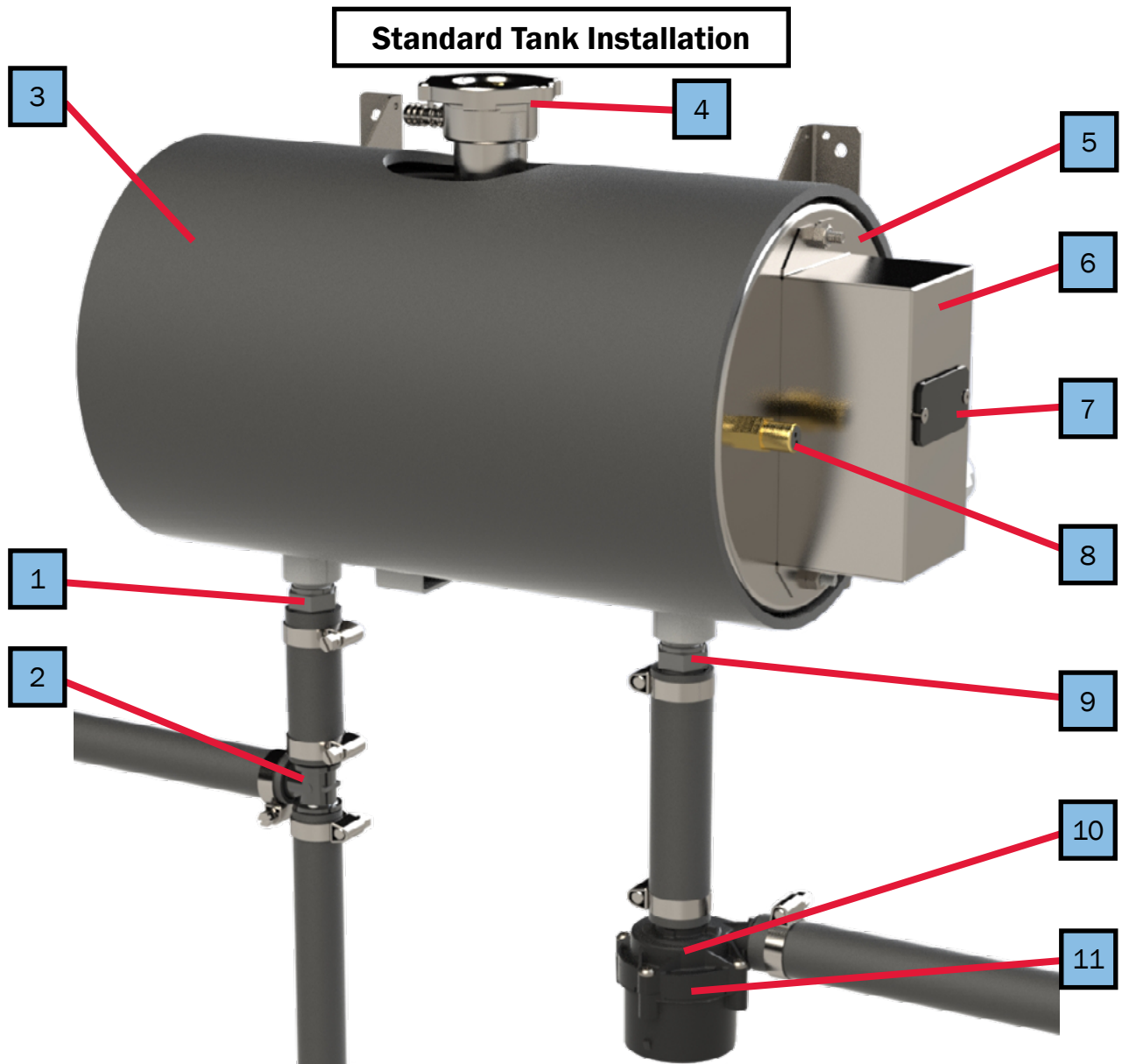


| Key | Part Number                    | Beginning of Use | Description                                              |
|-----|--------------------------------|------------------|----------------------------------------------------------|
| 1   | <a href="#">ELE-LCD-050</a>    | Launch           | Aqua-Hot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

## AHM-125 System Overview

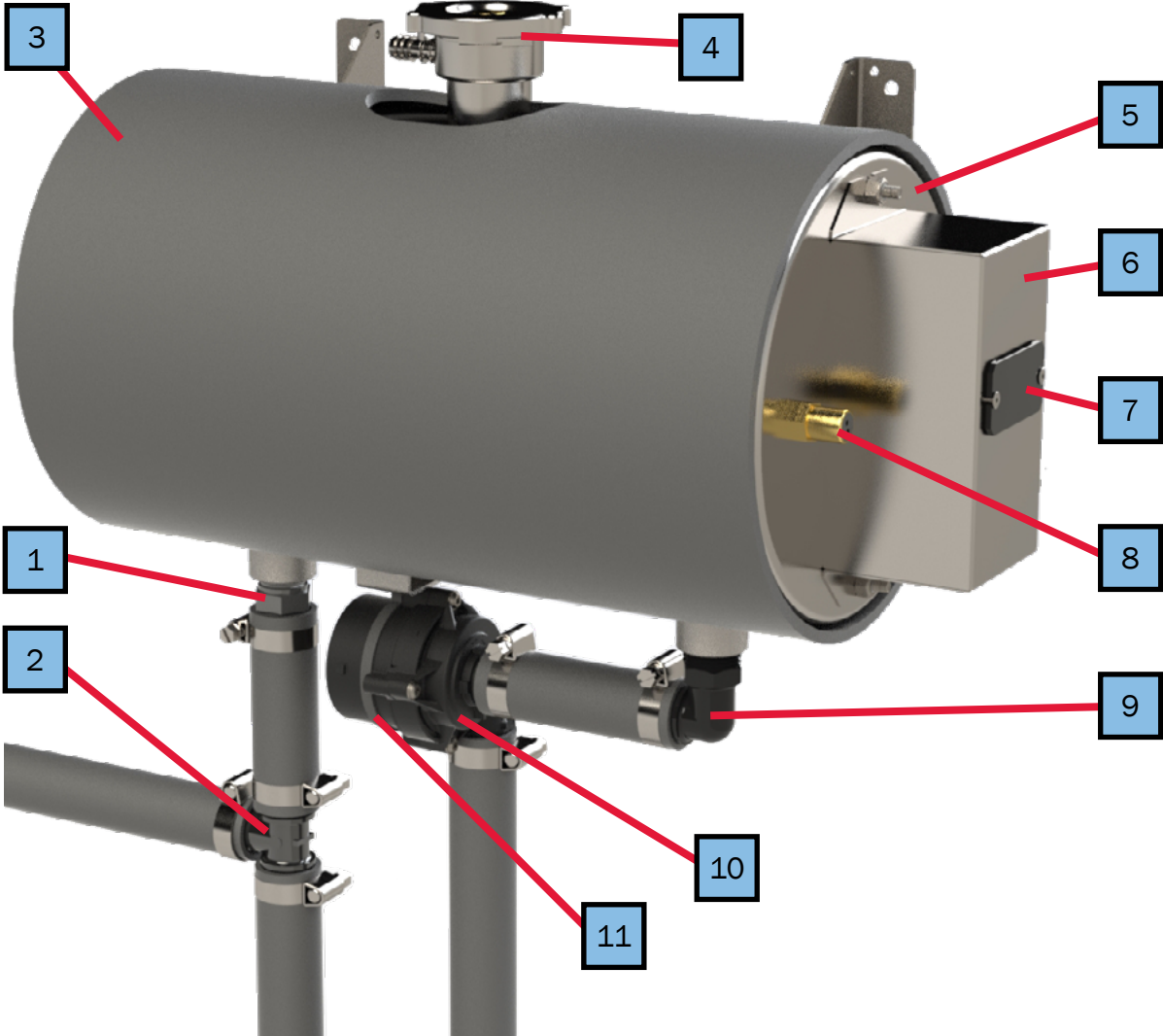


| Key | Part Number                 | Date of Use | Description                                    |
|-----|-----------------------------|-------------|------------------------------------------------|
| 1   | <a href="#">TNE-135-011</a> | Launch      | Tank, Powder Coat, 7 PSI                      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



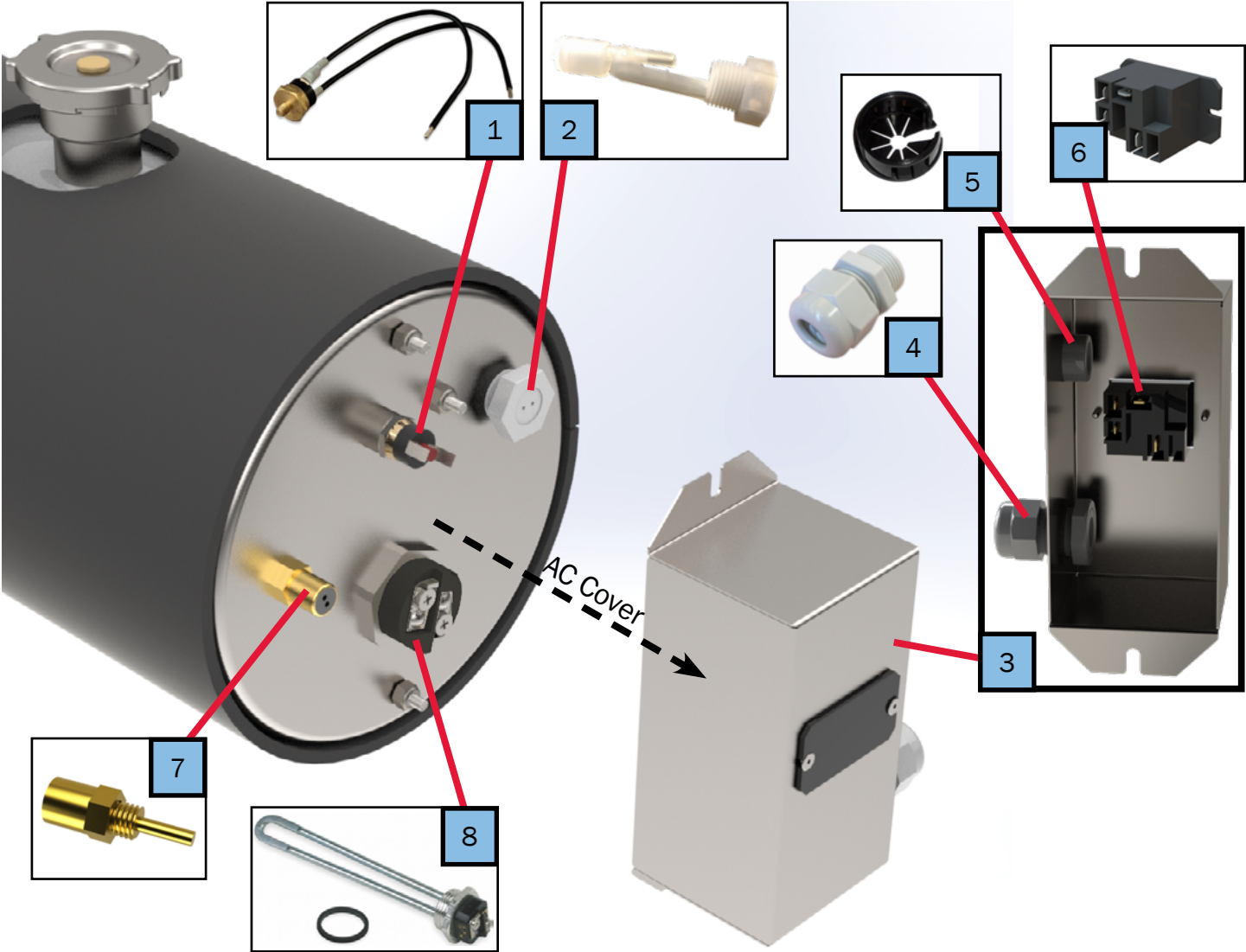
| Key | Part Number                 | Date of Use | Description                         |
|-----|-----------------------------|-------------|-------------------------------------|
| 1   | <a href="#">PLX-200-103</a> | Launch      | Black Nylon Barb Fitting, ½"        |
| 2   | <a href="#">PLX-250-210</a> | Launch      | Fitting, ¾" Barb Tee, GFBN          |
| 3   | <a href="#">MSE-135-200</a> | Launch      | Insulation, Tank                    |
| 4   | <a href="#">TNX-135-020</a> | Launch      | Radiator Cap, 7 PSI                 |
| 5   | <a href="#">TNE-135-011</a> | Launch      | Tank, Powder Coat, 2gal             |
| 6   | <a href="#">SME-135-002</a> | Launch      | Cover, A/C                          |
| 7   | <a href="#">ELX-232-948</a> | Launch      | Relay, 30A 277VAC                   |
| 8   | <a href="#">ELE-014-712</a> | Launch      | Thermistor, Tank Temperature Sensor |
| 9   | <a href="#">PLX-200-103</a> | Launch      | Black Nylon Barb Fitting, ½"        |
| 10  | <a href="#">PLX-100-900</a> | Launch      | C21 Buehler Circulation Pump        |
| 11  | <a href="#">HDX-317-7T2</a> | Launch      | Pump Mount                          |

### Alternate Tank Installation



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

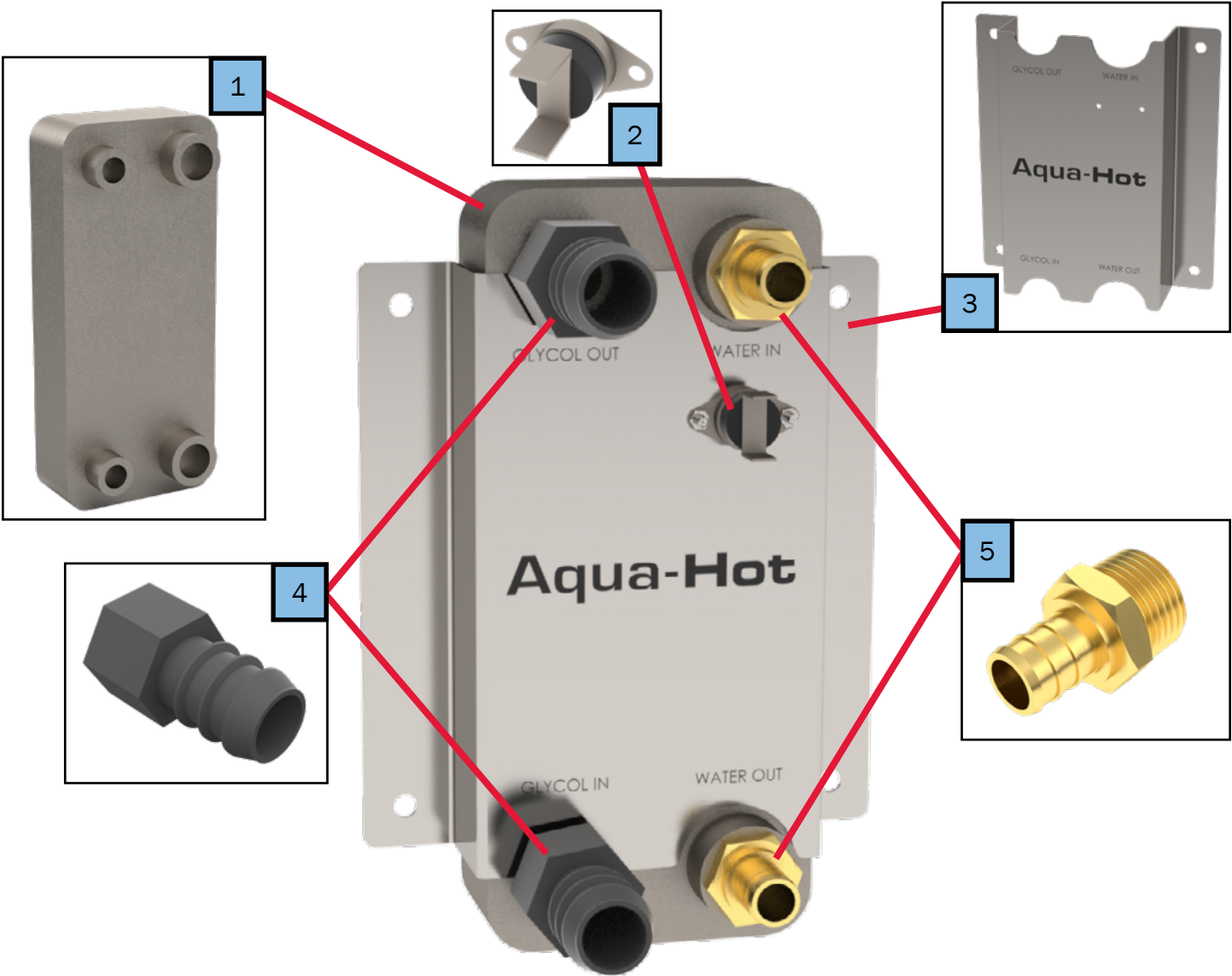
Tank Face Components



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

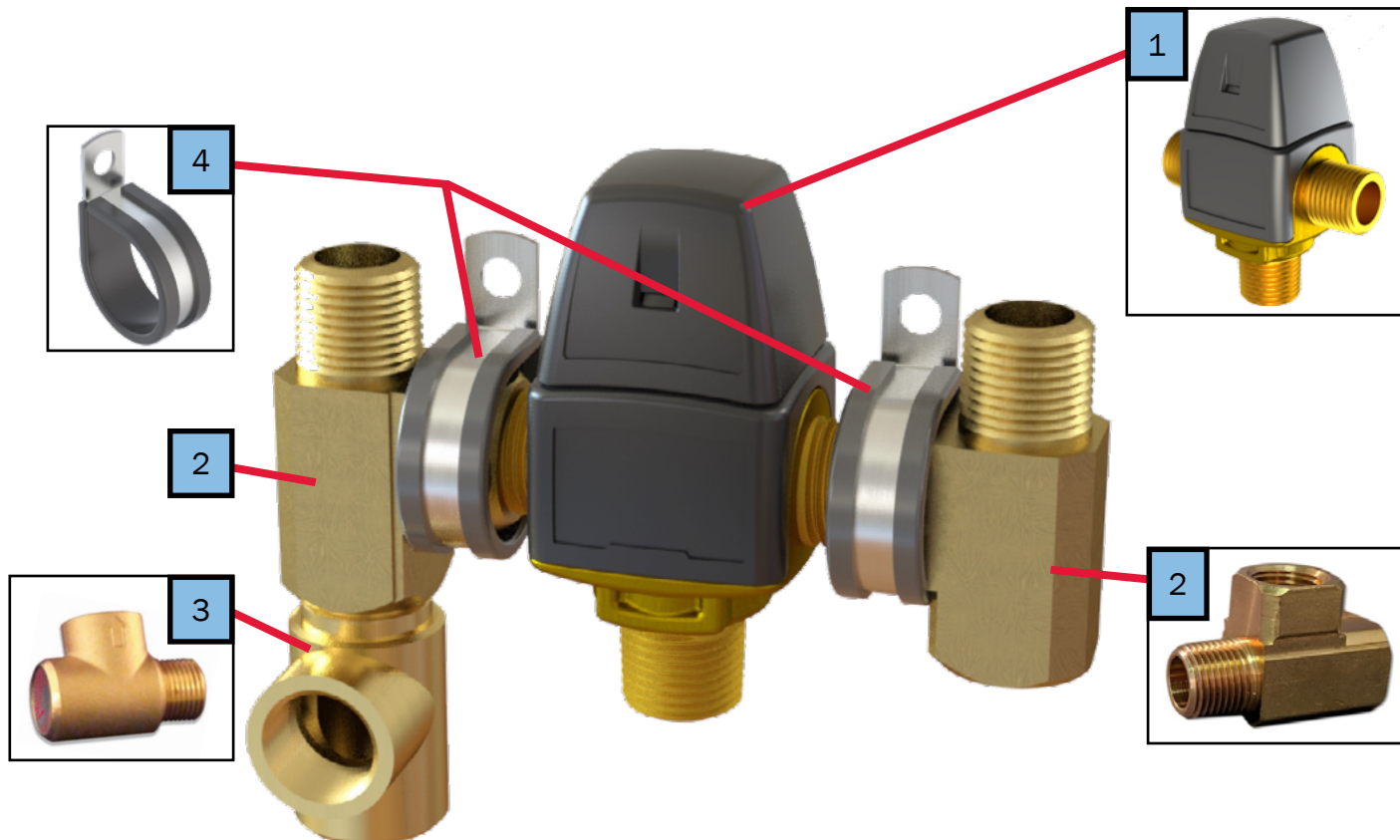


**Plate-to-Plate Heat Exchanger Assembly**



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

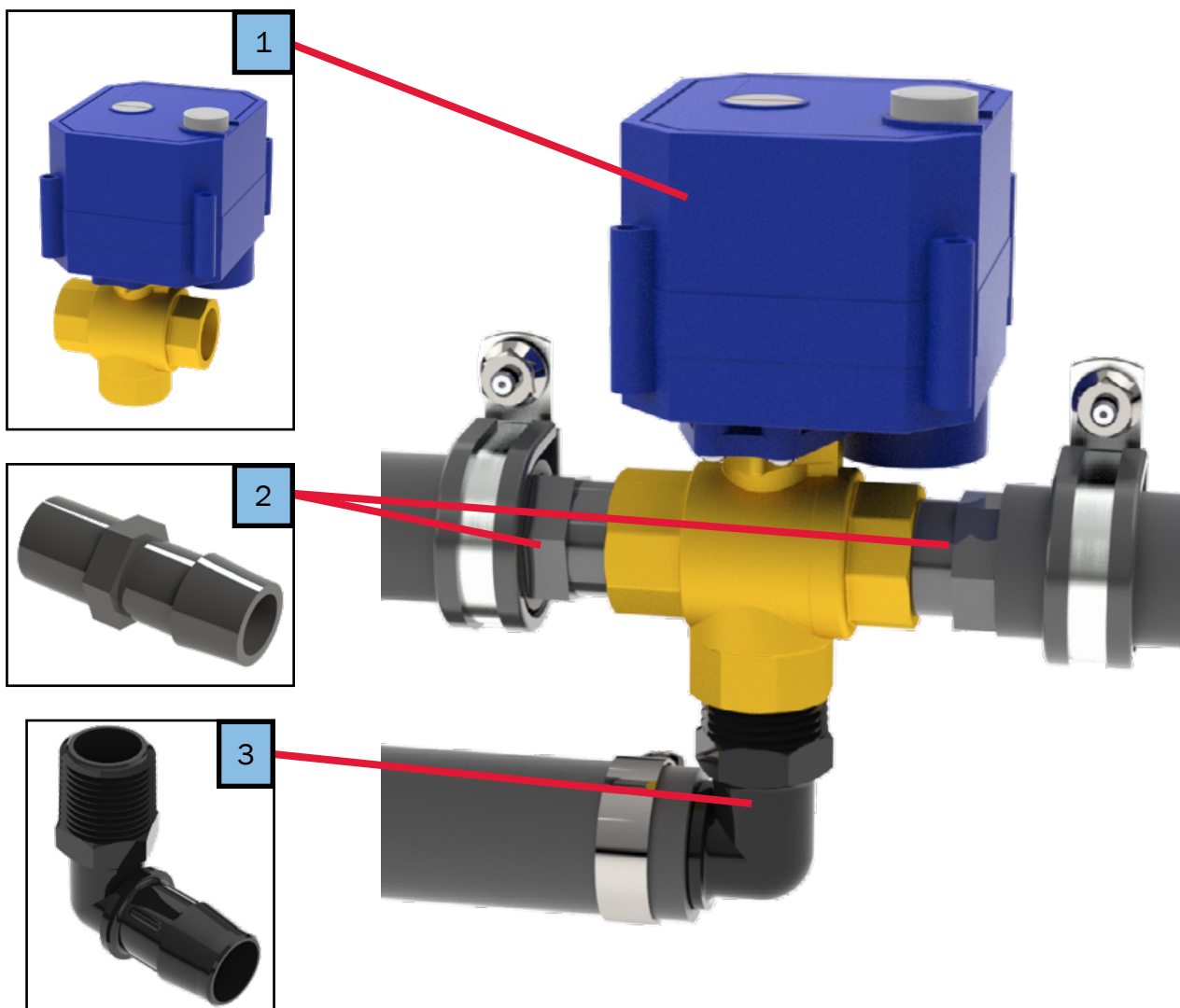
## Tempering Valve Assembly



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

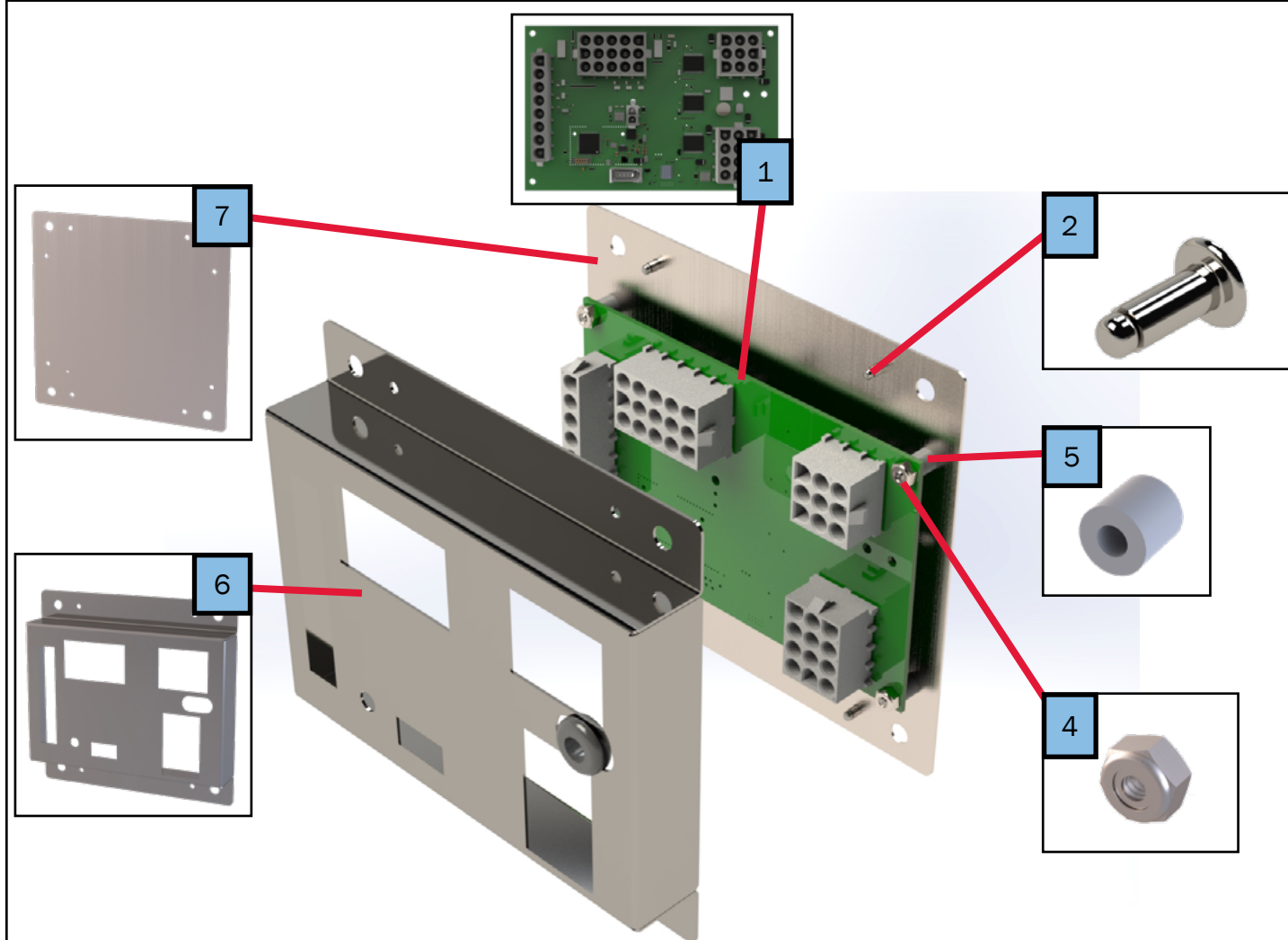


### Three-Way Valve Assembly

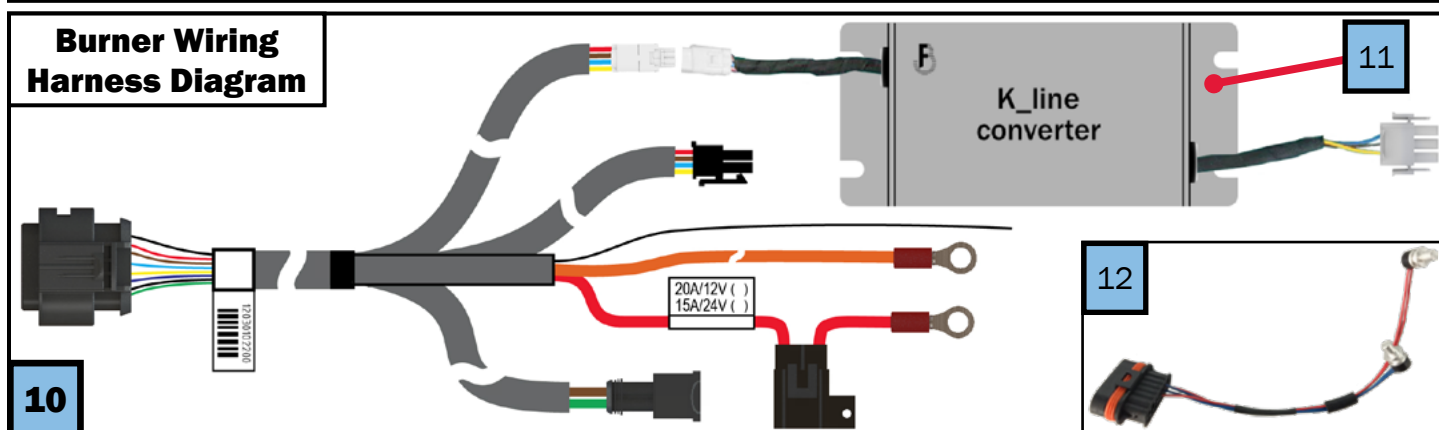
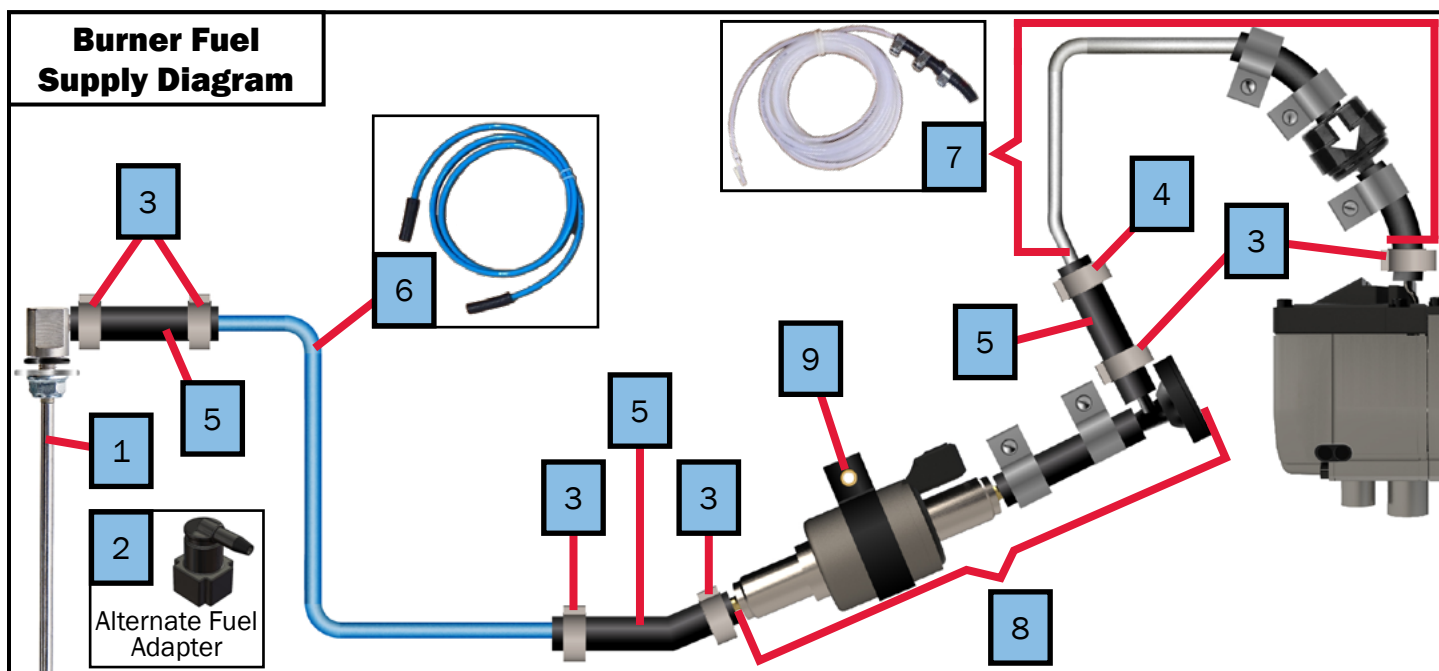


| Key | Part Number                 | Date of Use | Description                                                    |
|-----|-----------------------------|-------------|----------------------------------------------------------------|
|     | <a href="#">PLX-251-M01</a> | Launch      | Kit, Three-Way Valve, AHM Series                               |
| 1   | <a href="#">PLX-251-001</a> | Launch      | Valve, Three-Way, 1/2" NPT                                     |
| 2   | <a href="#">PLX-200-103</a> | Launch      | Glass Filled Black Nylon Barb Fitting, 1/2" NPT x 3/4"         |
| 3   | <a href="#">PLX-250-212</a> | Launch      | Fitting, Elbow 1/2" NPT x 3/4" Barb, GFBN                      |
| -   | <a href="#">39-00-0039</a>  | Launch      | CONS Terminal, Socket 20-24 AWG Mini-Fit Jr.<br>(not pictured) |
| -   | <a href="#">39-01-2020</a>  | Launch      | CONS Plug, 20-24 AWG Mini-Fit Jr. 2-Pole<br>(not pictured)     |

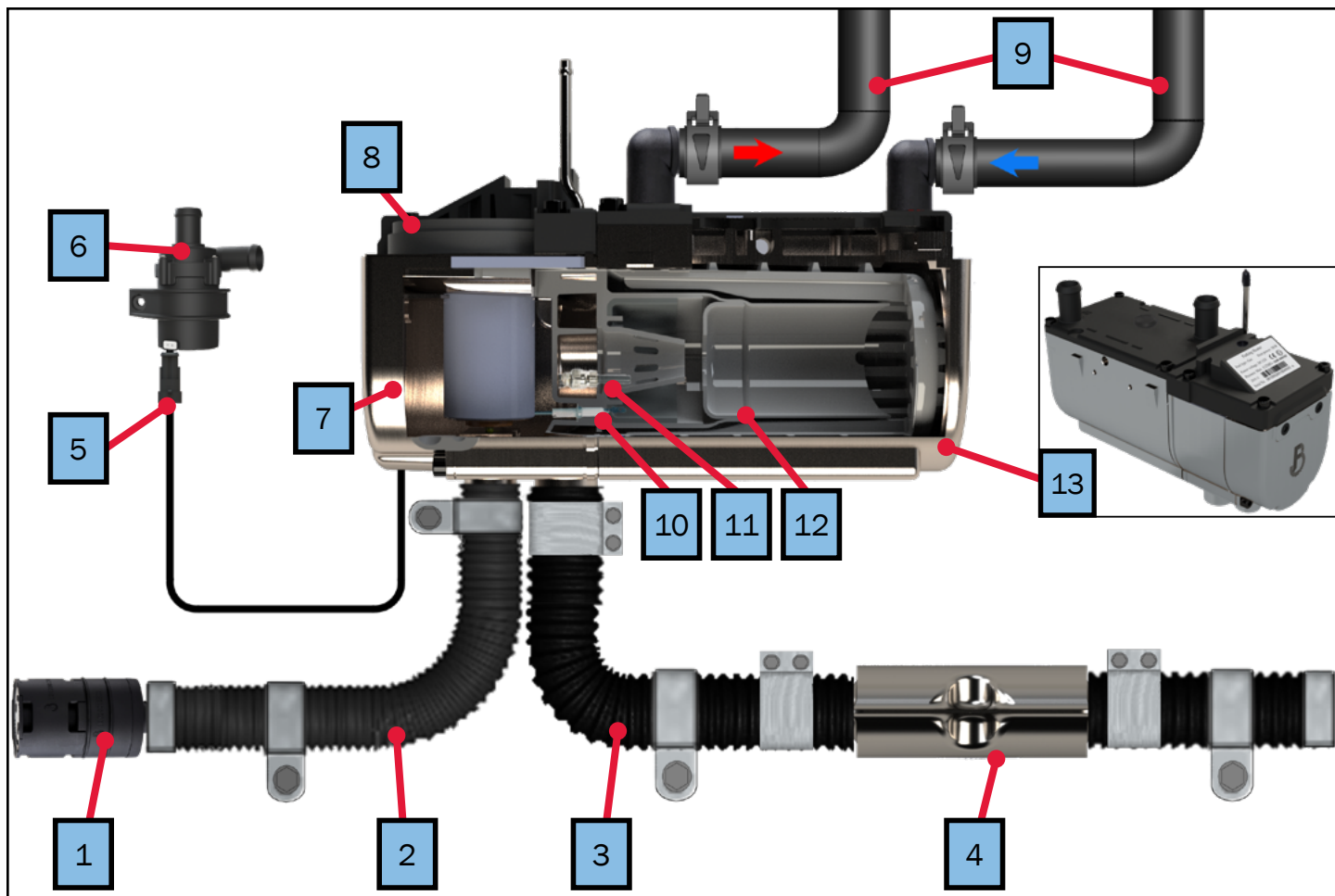
## Controller Assembly



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



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



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

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