



# Aqua-Hot®

HYDRONIC HEATING SYSTEM

## 450-DE



# **AHE-450-DE4**

# **AHE-450-DW3**

# **PARTS MANUAL**



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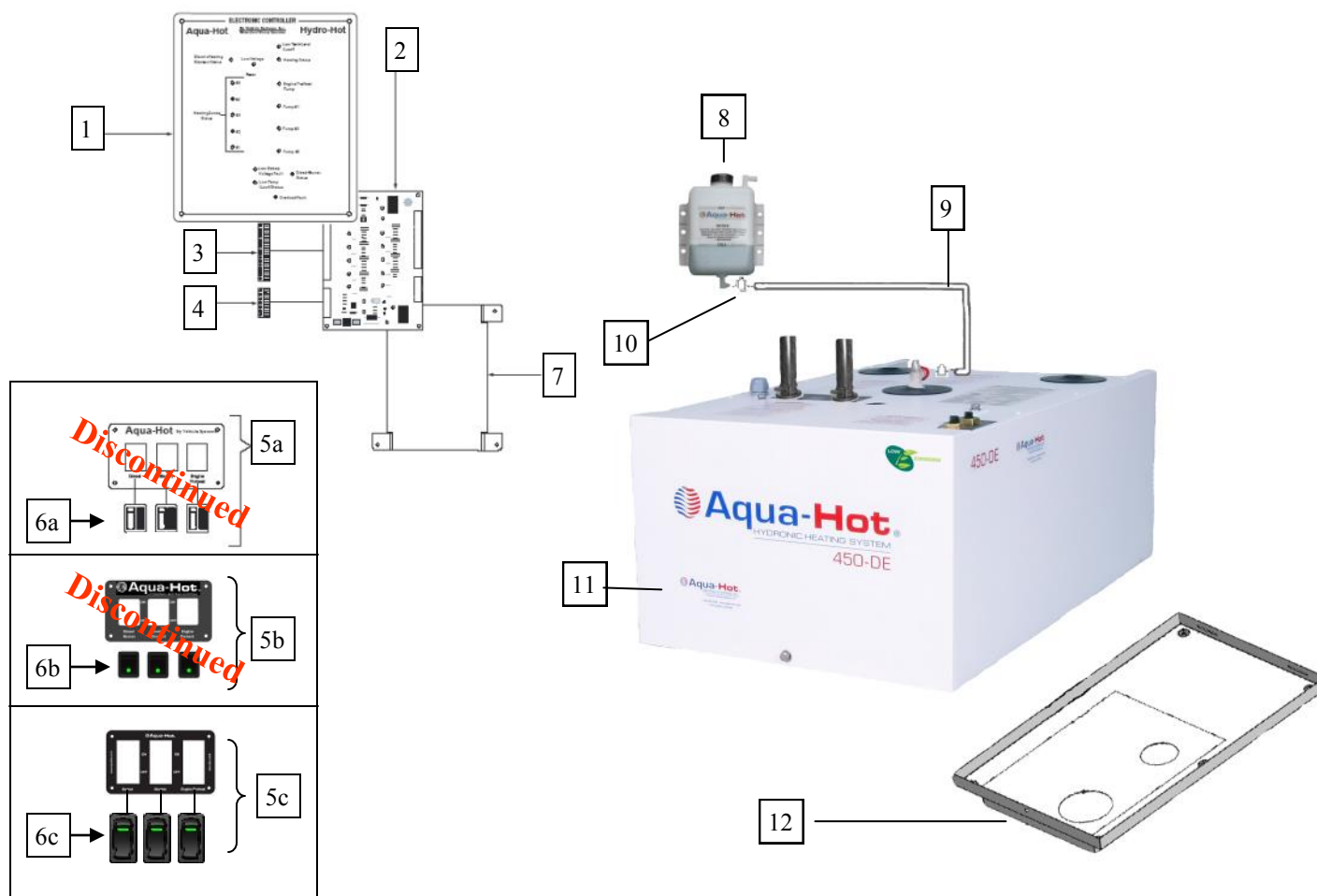
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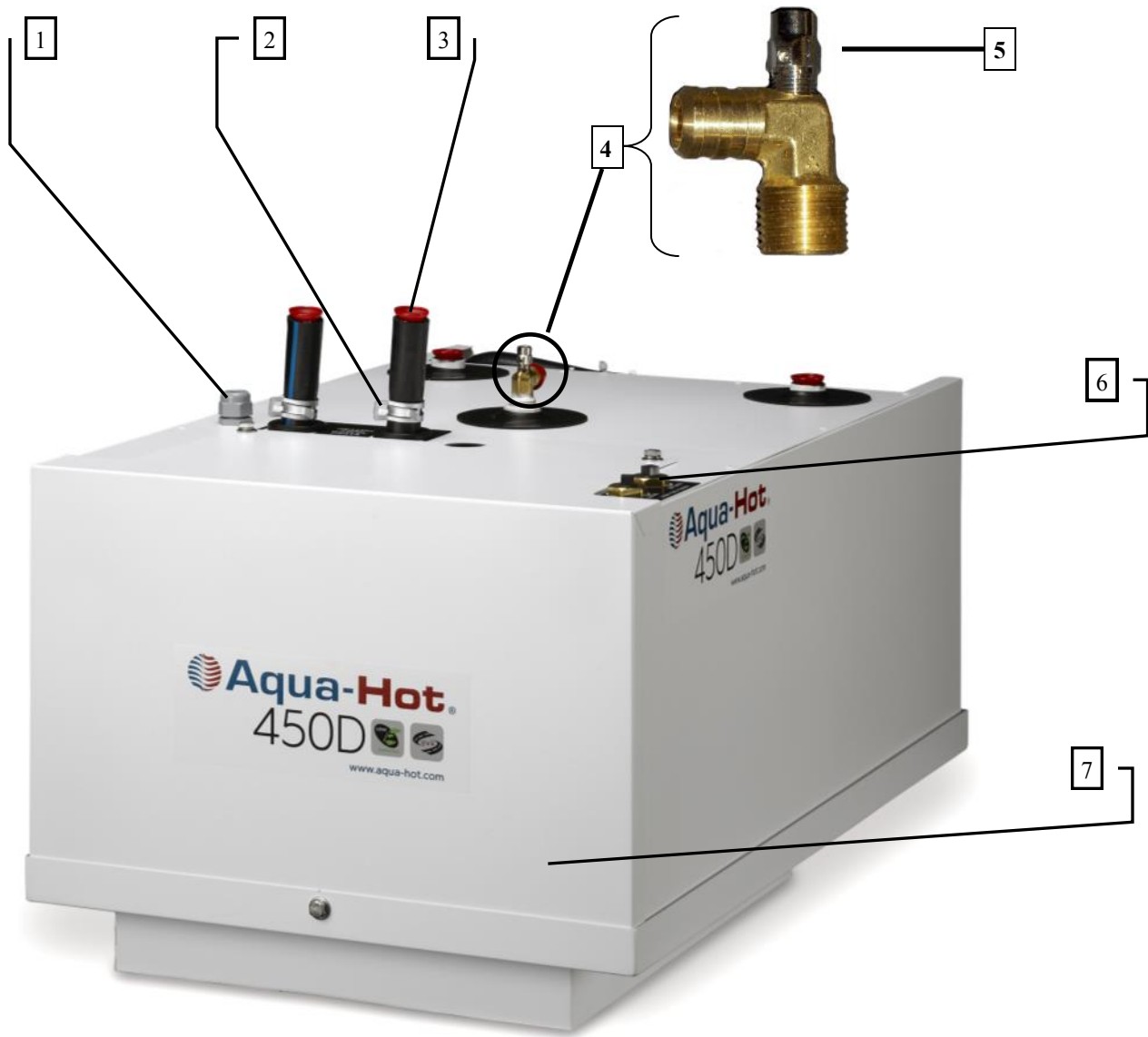


## SECTION 1: HEATER OVERVIEW (GENERAL)



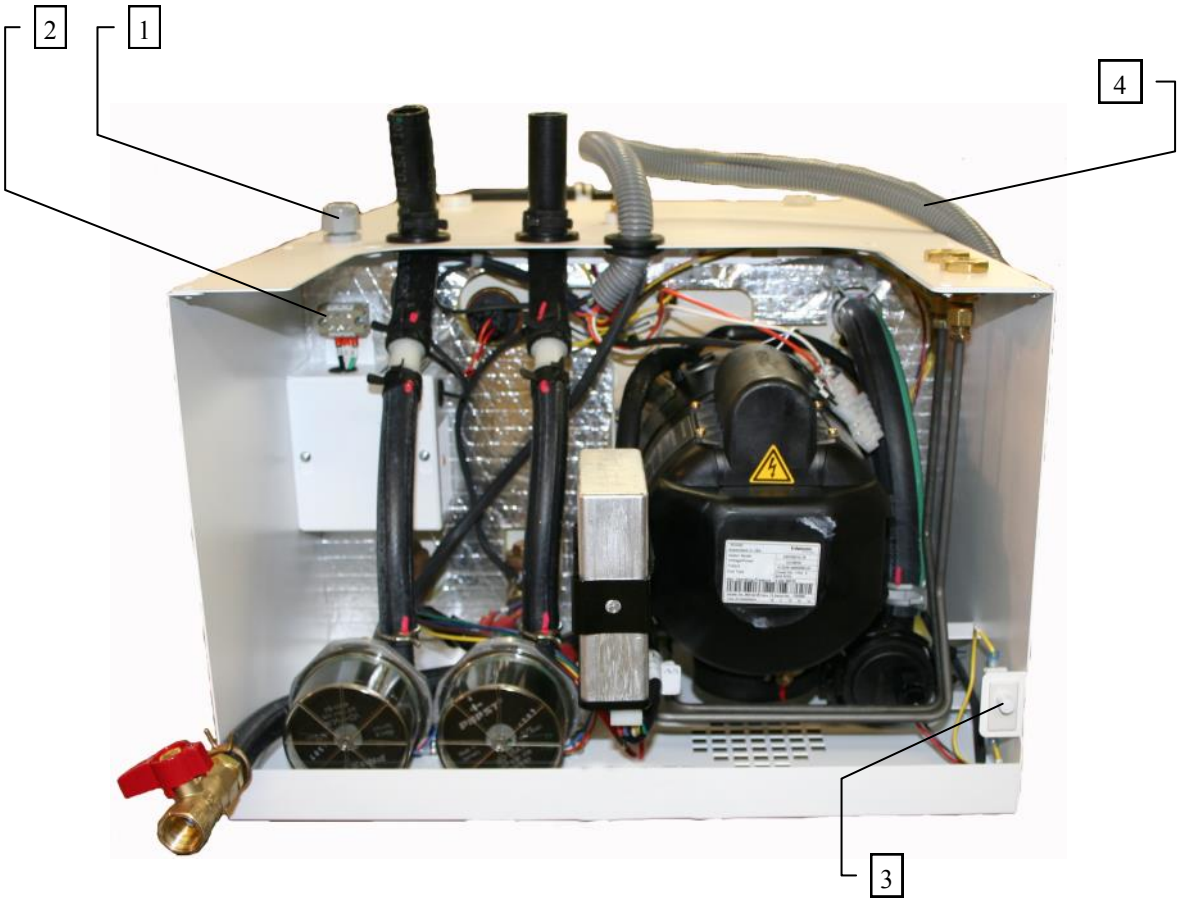
| Key | Part Number    | Date of Use       | Description                                |
|-----|----------------|-------------------|--------------------------------------------|
| 1   | SME-200-501    |                   | Faceplate, Electronic Controller, Assembly |
| 2   | ELE-PC4-010-AA |                   | Controller, Electronic, 12 VDC             |
| 3   | ELX-312-491    |                   | Plug, Electronic Controller, 20-Position   |
| 4   | ELX-312-499    |                   | Plug, Electronic Controller, 8-Position    |
| 5a  | ELE-000-507    | 04/2010 - 12/2010 | Panel, Switch, Assembly, 12 VDC - OBSOLETE |
| 5b  | ELE-000-507    | 01/2011 - 08/2011 | Panel, Switch, Assembly, 12 VDC - OBSOLETE |
| 5c  | ELE-000-509    | 09/2011 - Current | Panel, Switch, Assembly, 12 VDC            |
| 6a  | ELX-283-284    | 04/2010 - 12/2010 | Switch, Rocker, w/LED - OBSOLETE           |
| 6b  | ELX-283-284    | 01/2011 - 08/2011 | Switch, Rocker, w/LED - OBSOLETE           |
| 6C  | ELX-283-283    | 09/2011 - Current | Switch, Rocker, w/LED                      |
| 7   | SME-EN4-008    |                   | Back, Electronic Controller, Enclosure     |
| 8   | PLE-070-401    |                   | Tank, 3 QT, Expansion Assembly             |
| 9   | PLE-210-191    |                   | Tube, Over Flow, Clear 5/8 in. x 8 ft.     |
| 10  | PLX-CTB-250    |                   | Clamp, Hose, Constant Tension, 23/32 in.   |
| 11  | SME-450-030    |                   | Cover, Access, Main                        |
| 12  | SME-450-070    |                   | Tray, Mounting Assembly                    |

**SECTION 1: HEATER OVERVIEW - TOP**



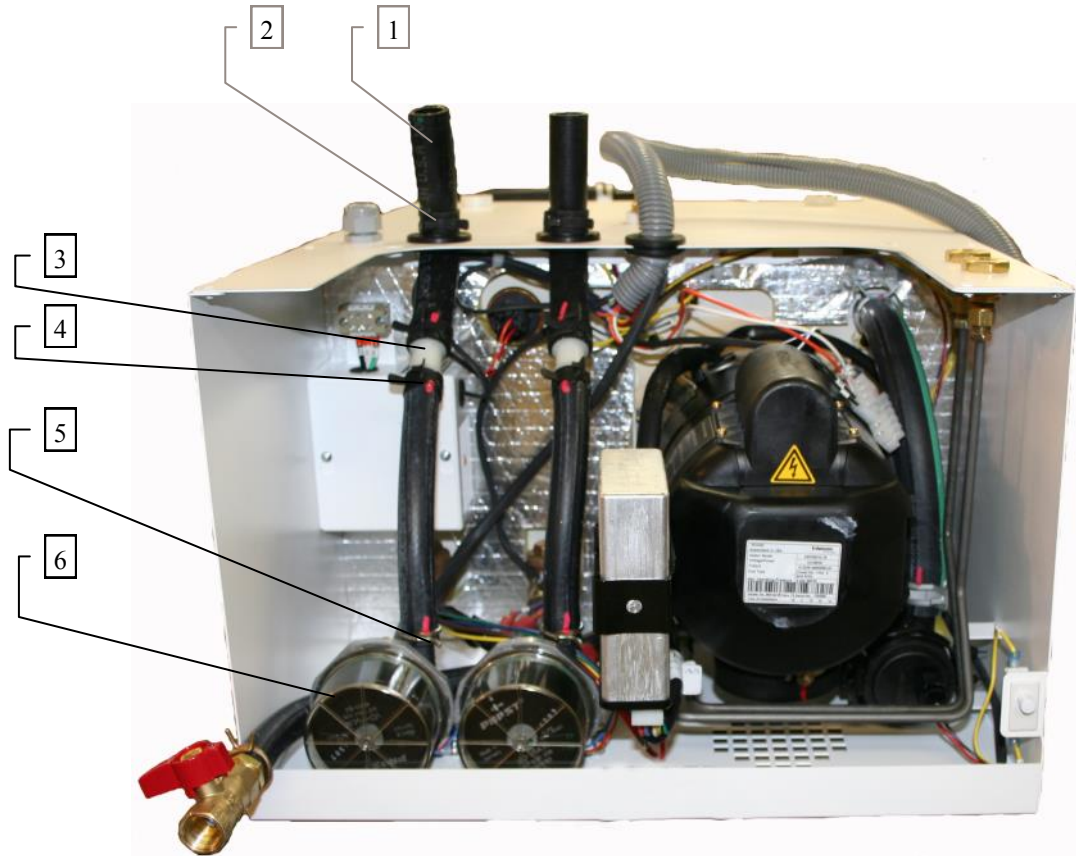
| Key | Part Number | Serial Number | Description                                    |
|-----|-------------|---------------|------------------------------------------------|
| 1   | HDX-000-623 |               | Clamp, Romex, 1/2 in. Plastic                  |
| 2   | PLX-CTB-270 |               | Clamp, Hose Constant Tension 3/4 in.           |
| 3   | PLX-285-010 |               | Hose, Heater, 3/4in x 3/4in 45° Molded Rubber  |
| 4   | PLE-007-000 |               | Valve, Air Assembly Comb, Coin/Key             |
| 5   | PLX-007-065 |               | Valve, Air Comb, Coin/Key                      |
| 6   | PLX-105-800 |               | Fitting, Bulkhead, 1/4 x 1/4 in. (F) NPT Brass |
| 7   | SME-450-030 |               | Cover, Access Main                             |

**SECTION 1: HEATER OVERVIEW - FRONT**



| Key | Part Number | Serial Number | Description                         |
|-----|-------------|---------------|-------------------------------------|
| 1   | HDX-000-623 |               | Clamp, Romex 1/2" Plastic           |
| 2   | ELE-000-905 |               | Block, Terminal 3 Position 22-8 AWG |
| 3   | ELX-000-050 |               | Switch, Interlock                   |
| 4a  | ELE-100-455 |               | Harness, Wiring 12 ft. Assembly     |

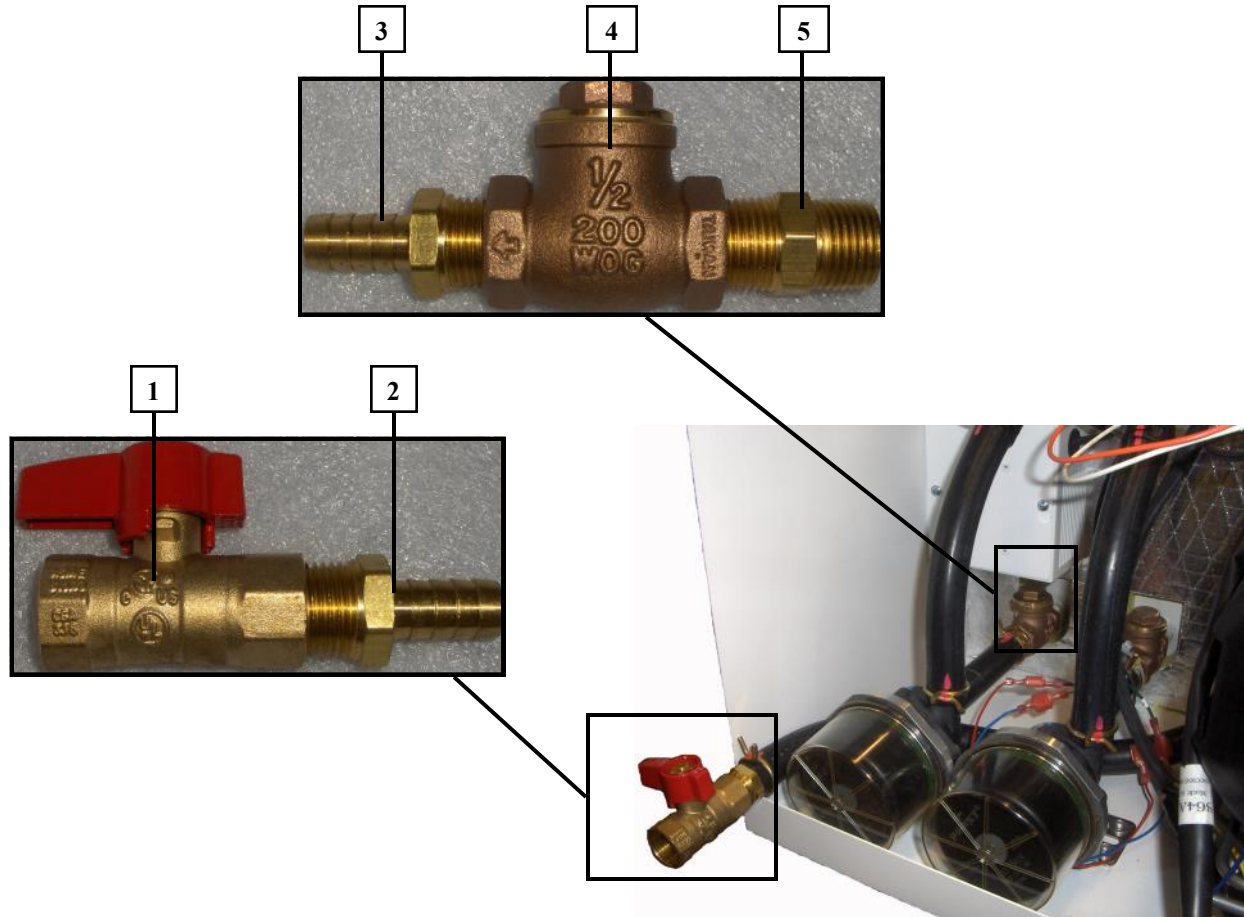
## SECTION 1: HEATER OVERVIEW - FRONT



| AHE-450-DE4 |             |                           |                                                 |
|-------------|-------------|---------------------------|-------------------------------------------------|
| Key         | Part Number | Serial Number             | Description                                     |
| 1           | PLX-285-010 |                           | Hose, Heater, 3/4 in X 3/4 in 45° Molded Rubber |
| 2           | PLX-CTB-270 |                           | Clamp, Hose, Constant Tension, 3/4 in           |
| 3           | PLX-000-815 | A450-100277 - A450-110278 | Fitting, Reducer 3/4 in x 1/2 in Black Nylon    |
| 4           | PLX-CTB-230 | A450-100277 - A450-110278 | Clamp, Hose Constant Tension 7/8 in.            |
| 5           | PLX-000-140 | A450-100277 - A450-110278 | Clamp, Hose Single Wire 7/8 in Steel            |
| 6           | PLE-100-821 | A450-100277 - A450-110278 | Pump, Zone Circulation                          |
| AHE-450-DW3 |             |                           |                                                 |
| Key         | Part Number | Serial Number             | Description                                     |
| 1           | PLX-285-010 |                           | Hose, Heater, 3/4 in X 3/4 in 45° Molded Rubber |
| 2           | PLX-CTB-270 |                           | Clamp, Hose, Constant Tension, 3/4 in           |
| 3           | PLX-000-815 | A450-100294 - A450-110265 | Fitting, Reducer 3/4 in x 1/2 in Black Nylon    |
| 4           | PLX-CTB-230 | A450-100294 - A450-110265 | Clamp, Hose Constant Tension 7/8 in.            |
| 5           | PLX-000-140 | A450-100294 - A450-110265 | Clamp, Hose Single Wire 7/8 in Steel            |
| 6           | PLE-100-821 | A450-100294 - A450-110265 | Pump, Zone Circulation                          |

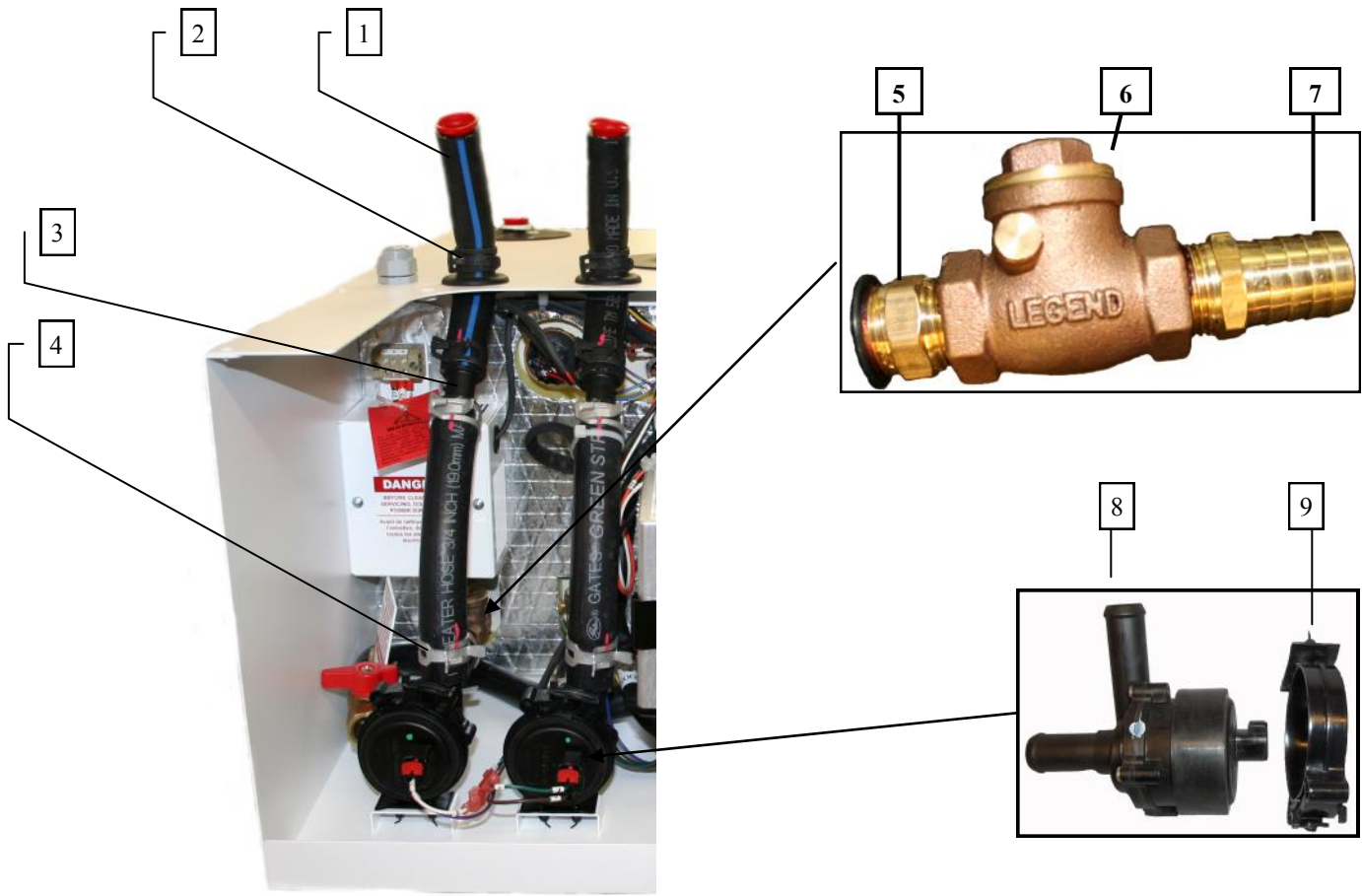


## SECTION 1: HEATER OVERVIEW - FRONT



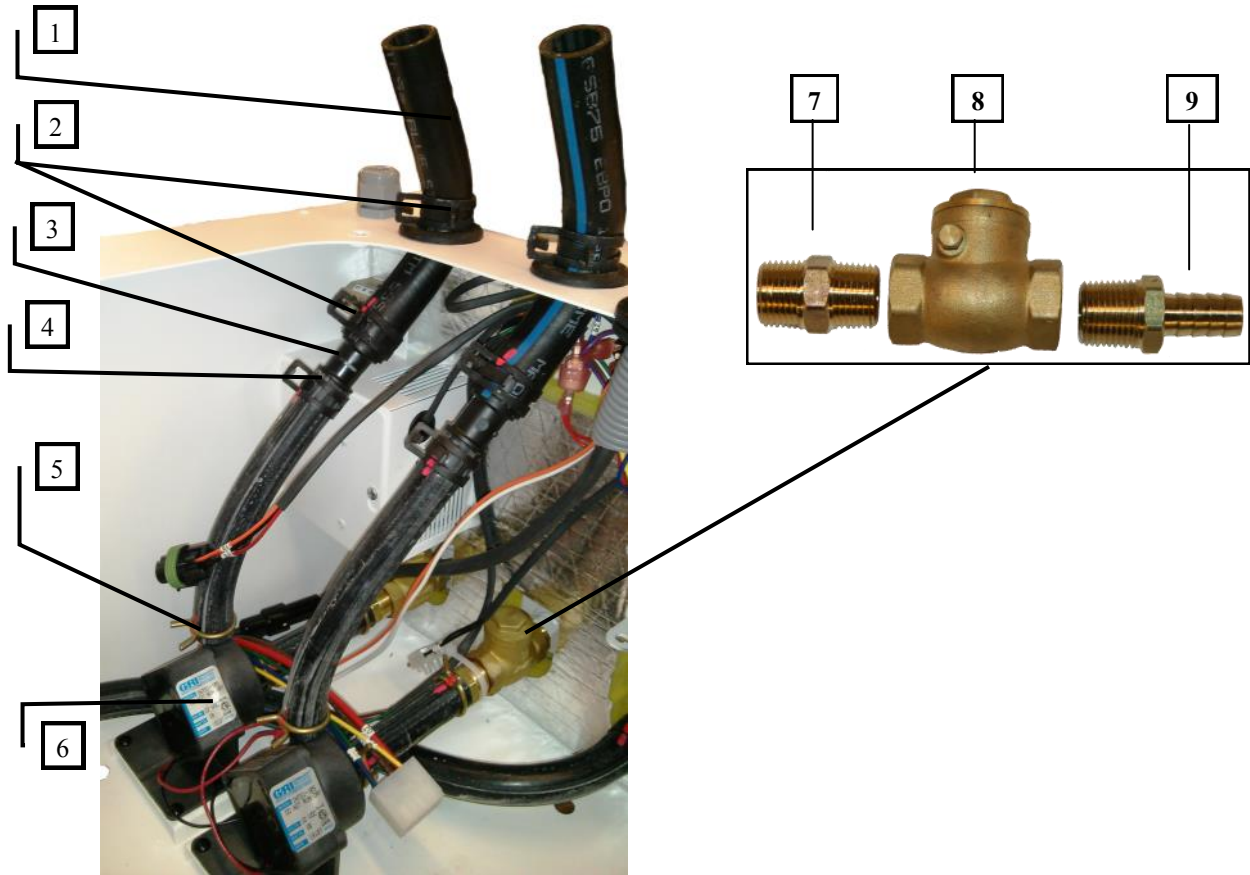
| AHE-450-DE4 |             |                           |                                               |
|-------------|-------------|---------------------------|-----------------------------------------------|
| Key         | Part Number | Serial Number             | Description                                   |
| 1           | PLX-BV1-200 |                           | Valve, Ball 1/2(F) NPT                        |
| 2           | PLX-699-330 |                           | Fitting, Brass, Barb 1/2 X 1/2 (M)NPT         |
| 3           | PLX-699-330 | A450-100277 - A450-110278 | Fitting, Brass, Barb 1/2 X 1/2 (M)NPT         |
| 4           | PLX-2A1-300 |                           | Valve, Brass Check, 1/2 X 1/2 (F)NPT          |
| 5           | PLX-122-00  |                           | Fitting, Brass, Close Nipple 1/2 (M)NPT w/Hex |
| AHE-450-DW3 |             |                           |                                               |
| 3           | PLX-699-330 | A450-100294 - A450-110265 | Fitting, Brass, Barb 1/2 X 1/2 (M)NPT         |

## SECTION 1: HEATER OVERVIEW - FRONT



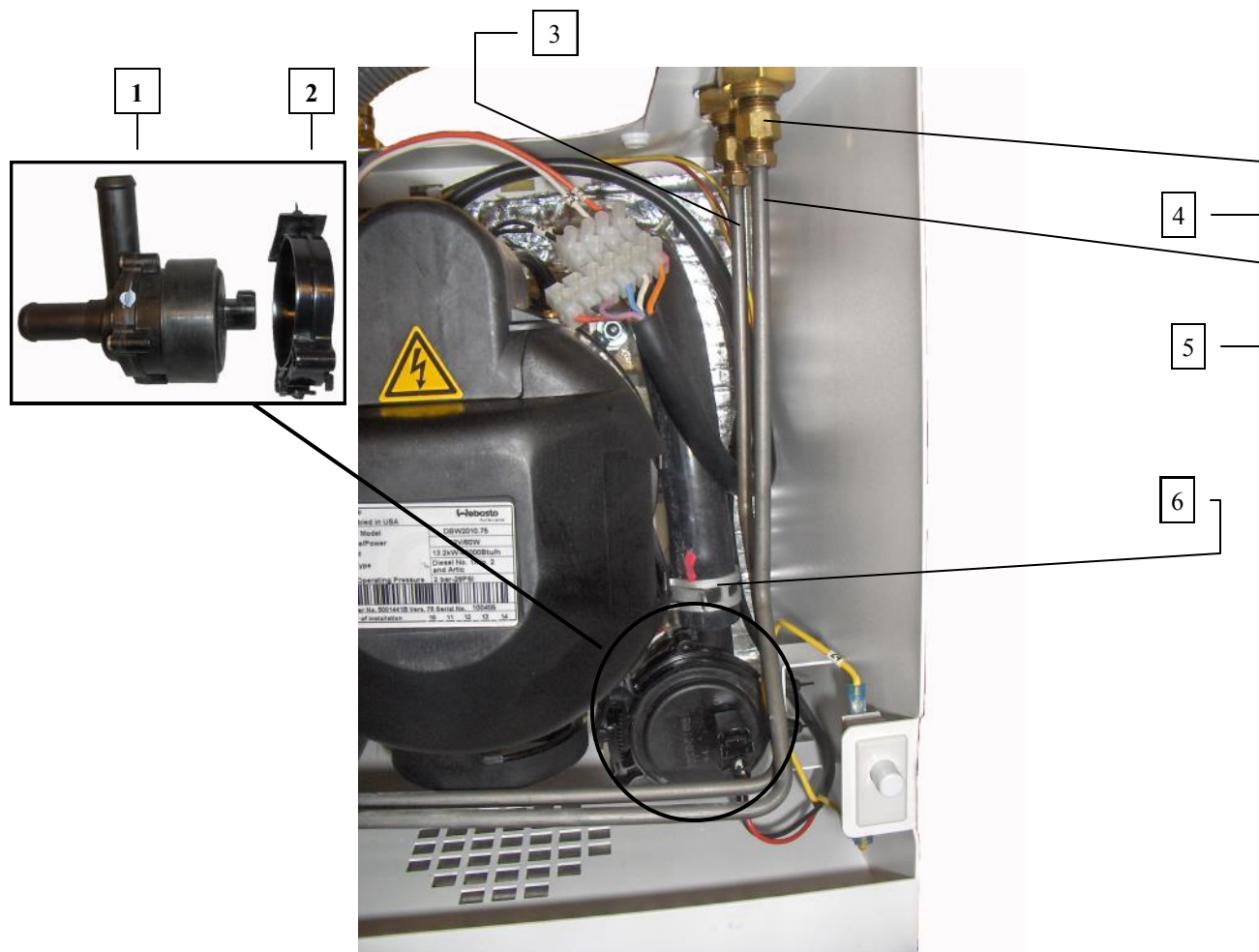
| AHE-450-DE4 |             |                           |                                                     |
|-------------|-------------|---------------------------|-----------------------------------------------------|
| Key         | Part Number | Serial Number             | Description                                         |
| 1           | PLX-285-010 |                           | Hose, Heater, 3/4 in x 3/4 in 45° Molded Rubber     |
| 2           | PLX-CTB-270 |                           | Clamp, Hose, Constant Tension, 3/4 in.              |
| 3           | PLX-000-825 | 450-110279 - A450-130591  | Fitting, Couple 3/4 in Black Nylon                  |
| 4           | PLX-CTB-290 | 450-110279 - A450-130591  | Clamp, Hose, Constant Tension 1 1/16 diameter       |
| 5           | PLX-122-000 |                           | Fitting, Brass, Close Nipple, 1/2 in (M) NPT w/ Hex |
| 6           | PLX-2A1-300 |                           | Valve, Brass, Check 1/2 in. x 1/2 in. (F) NPT       |
| 7           | PLX-A65-200 | A450-110279 - A450-130591 | Fitting, Brass, Barb, 3/4 in x 1/2 in (M) NPT       |
| 8           | PLX-100-835 | A450-110279 - A450-130591 | Pump, Cooper Standard                               |
| 9           | PLX-100-836 | A450-110279 - A450-130591 | Bracket, Cooper, Pump Mounting                      |
| AHE-450-DW3 |             |                           |                                                     |
| 3           | PLX-000-825 | A450-110266 - A450-130582 | Fitting, Couple 3/4 in Black Nylon                  |
| 4           | PLX-CTB-290 | A450-110266 - A450-130582 | Clamp, Hose, Constant Tension 1 1/16 diameter       |
| 7           | PLX-A65-200 | A450-110266 - A450-130582 | Fitting, Brass, Barb, 3/4 in x 1/2 in (M) NPT       |
| 8           | PLX-100-835 | A450-110266 - A450-130582 | Pump, Cooper Standard                               |
| 9           | PLX-100-836 | A450-110266 - A450-130582 | Bracket, Cooper, Pump Mounting                      |

## SECTION 1: HEATER OVERVIEW - FRONT



| AHE-450-DE4 |             |                      |                                                     |
|-------------|-------------|----------------------|-----------------------------------------------------|
| Key         | Part Number | Serial Number        | Description                                         |
| 1           | PLX-285-010 |                      | Hose, Heater, 3/4 in x 3/4 in 45° Molded Rubber     |
| 2           | PLX-CTB-270 |                      | Clamp, Hose, Constant Tension, 3/4 in.              |
| 3           | PLX-000-815 | A450-130592- Current | Fitting, Adapter, .75 to .5 Hose                    |
| 4           | PLX-CTB-230 | A450-130592- Current | Clamp, Hose, Constant Tension 7/8 in.               |
| 5           | PLX-000-140 | A450-130592- Current | Clamp, Hose, Single Wire 7/8 in. Steel              |
| 6           | PLX-100-850 | A450-130592- Current | Pump, GRI, INTG1 - 053, 12 VDC 18W                  |
| 7           | PLX-122-000 |                      | Fitting, Brass, Close Nipple, 1/2 in (M) NPT w/ Hex |
| 8           | PLX-2A1-300 |                      | Valve, Brass, Check 1/2 in. x 1/2 in. (F) NPT       |
| 9           | PLX-699-330 | A450-130592- Current | Fitting, Barb, 1/2 in. x 1/2 in (M) NPT, Brass      |
| AHE-450-DW3 |             |                      |                                                     |
| 3           | PLX-000-815 | A450-130583- Current | Fitting, Adapter, .75 to .5 Hose                    |
| 4           | PLX-CTB-230 | A450-130583- Current | Clamp, Hose, Constant Tension 7/8 in.               |
| 5           | PLX-000-140 | A450-130583- Current | Clamp, Hose, Single Wire 7/8 in. Steel              |
| 6           | PLX-100-850 | A450-130583- Current | Pump, GRI, INTG1 - 053, 12 VDC 18W                  |
| 9           | PLX-699-330 | A450-130583- Current | Fitting, Barb, 1/2 in. x 1/2 in (M) NPT, Brass      |

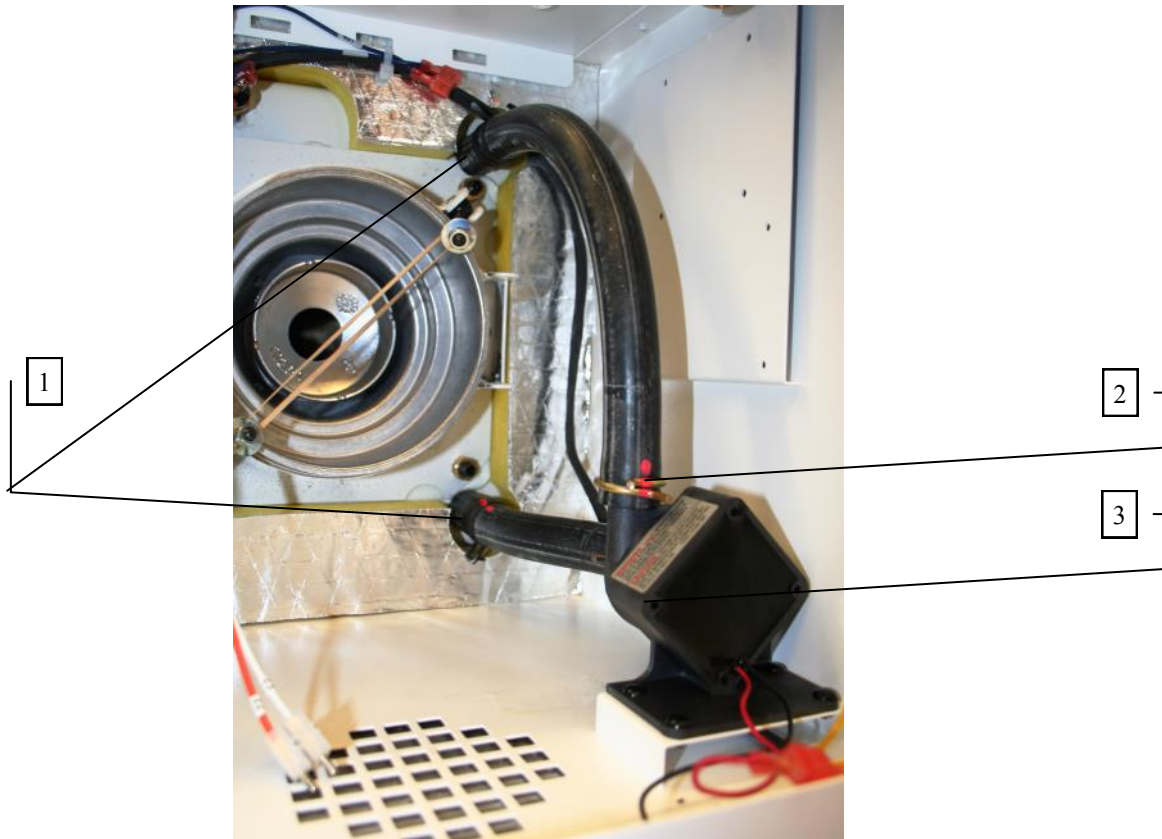
## SECTION 1: HEATER OVERVIEW - FRONT



| AHE-450-DE4 |                 |                           |                                                          |
|-------------|-----------------|---------------------------|----------------------------------------------------------|
| Key         | Part Number     | Serial Number             | Description                                              |
| 1           | PLX-100-835     | A450-100277 - A450-130591 | Pump, Cooper Standard                                    |
| 2           | PLX-100-836     | A450-100277 - A450-130591 | Bracket, Cooper Pump Mounting                            |
| 3a          | FLE-421-852-FRU | A450-100277 - A450-120993 | Kit, Fuel Line Replacement 400/450                       |
| 3b          | FLE-421-852     | A450-120994 - Current     | Tube, Return Fuel Line Assembly                          |
| 4           | FLX-421-000     |                           | Fitting, Inverted Flare Connector 1/4 Tube x 1/4 (M) NPT |
| 5           | FLE-421-851     |                           | Tube, Supply Fuel Line Assembly                          |
| 6           | PLX-CTB-290     | A450-100277 - A450-130591 | Clamp, Hose Constant Tension 1 1/16 in diameter          |
| AHE-450-DW3 |                 |                           |                                                          |
| Key         | Part Number     | Serial Number             | Description                                              |
| 1           | PLX-100-835     | A450-100277 - A450-130591 | Pump, Cooper Standard                                    |
| 2           | PLX-100-836     | A450-100277 - A450-130591 | Bracket, Cooper Pump Mounting                            |
| 3a          | FLE-421-852-FRU | A450-100277 - A450-120993 | Kit, Fuel Line Replacement 400/450                       |
| 3b          | FLE-421-852     | A450-120994 - Current     | Tube, Return Fuel Line Assembly                          |
| 6           | PLX-CTB-290     | A450-100277 - A450-130591 | Clamp, Hose Constant Tension 1 1/16 in diameter          |

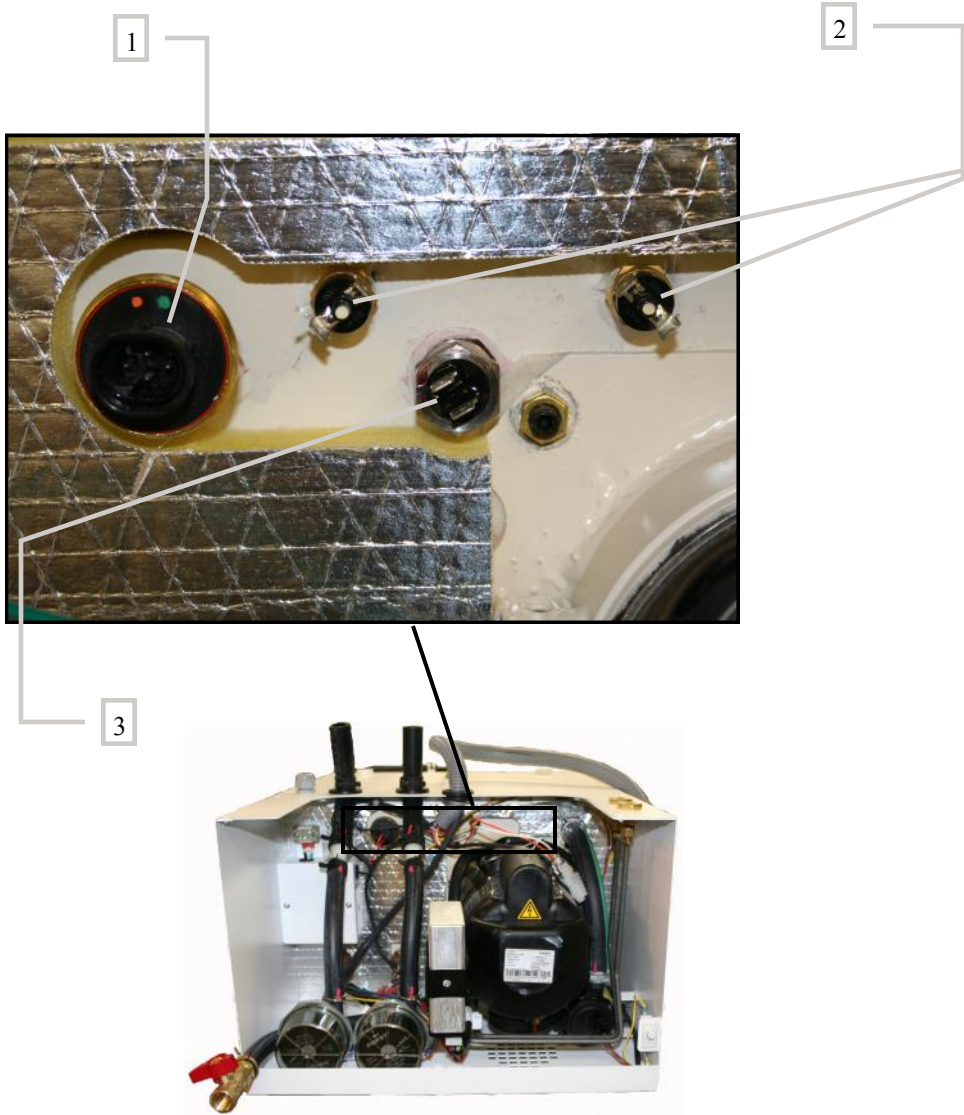


## SECTION 1: HEATER OVERVIEW - FRONT



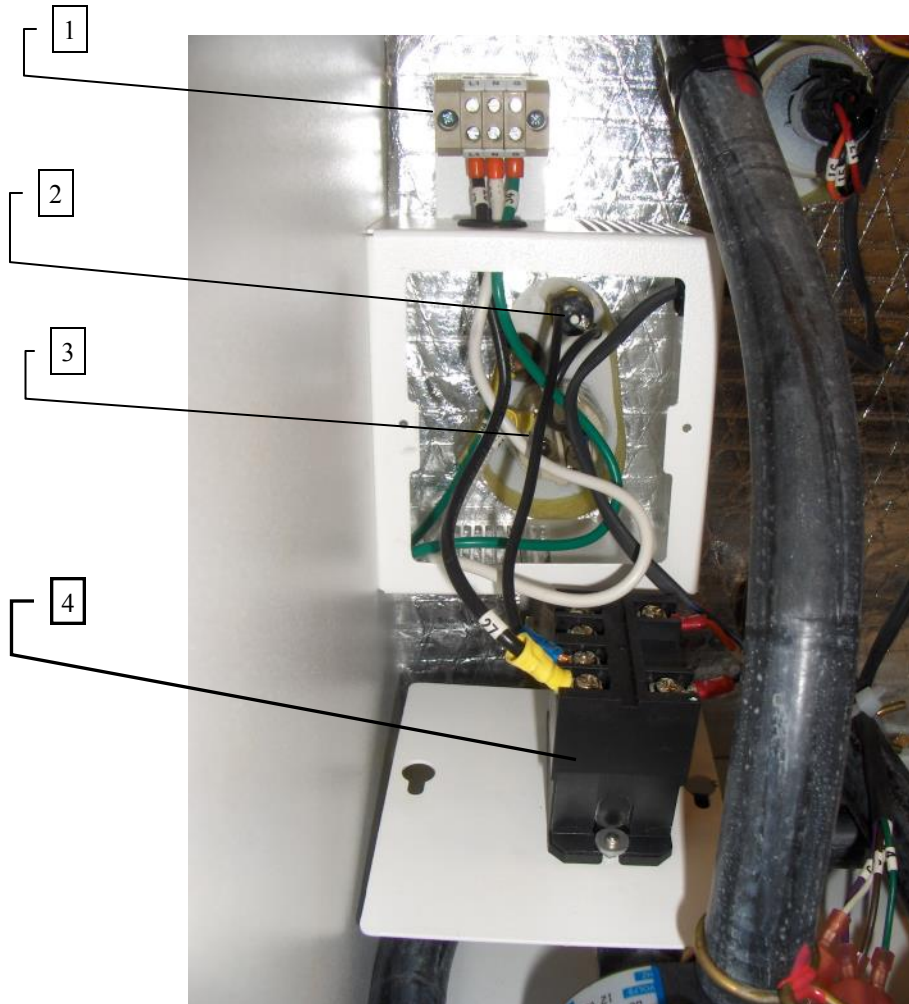
| AHE-450-DE4 |             |                      |                                        |
|-------------|-------------|----------------------|----------------------------------------|
| Key         | Part Number | Serial Number        | Description                            |
| 1           | PLX-CTB-230 | A450-130592- Current | Clamp, Hose, Constant Tension 7/8 in.  |
| 2           | PLX-000-140 | A450-130592- Current | Clamp, Hose, Single Wire 7/8 in. Steel |
| 3           | PLX-100-850 | A450-130592- Current | Pump, GRI, INTG1-053, 12 VDC 18W       |
| AHE-450-DW3 |             |                      |                                        |
| Key         | Part Number | Serial Number        | Description                            |
| 1           | PLX-CTB-230 | A450-130583- Current | Clamp, Hose, Constant Tension 7/8 in.  |
| 2           | PLX-000-140 | A450-130583- Current | Clamp, Hose, Single Wire 7/8 in. Steel |
| 3           | PLX-100-850 | A450-130583- Current | Pump, GRI, INTG1-053, 12 VDC 18W       |

**SECTION 1: HEATER OVERVIEW - FRONT(SENSORS)**



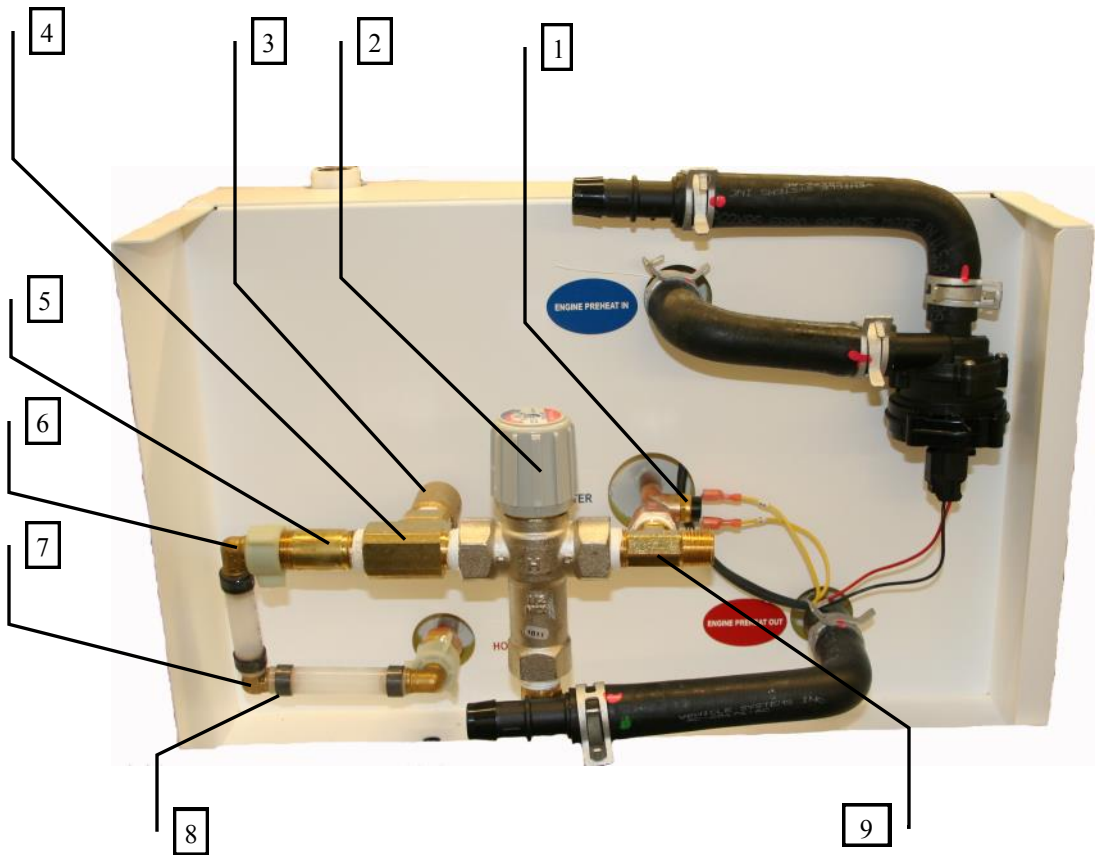
| Key | Part Number | Serial Number | Description                                     |
|-----|-------------|---------------|-------------------------------------------------|
| 1   | ELX-800-003 |               | Switch, Fluid Level Capacitance                 |
| 2   | ELE-HLT-425 |               | Thermostat, High Limit 215°F w/Spade Connectors |
| 3   | ELE-014-005 |               | Thermostat, Control 185°F 1/2 in. (M) NPT       |

## SECTION 1: HEATER OVERVIEW - FRONT(A.C.)



| Key | Part Number     | Serial Number | Description                                  |
|-----|-----------------|---------------|----------------------------------------------|
| 1   | ELE-000-905     |               | Block, Terminal, 3 Position 22-8 AWG         |
| 2   | ELE-000-616-FRU |               | Thermostat, High Limit VAC 215°F             |
| 3   | ELX-2E7-540     |               | Element, Electric Heating, 120 VAC/1650 Watt |
| 4   | ELX-630-001     |               | Relay, 30 A 277 VAC 12VCD Coil               |

**SECTION 1: HEATER OVERVIEW - REAR**

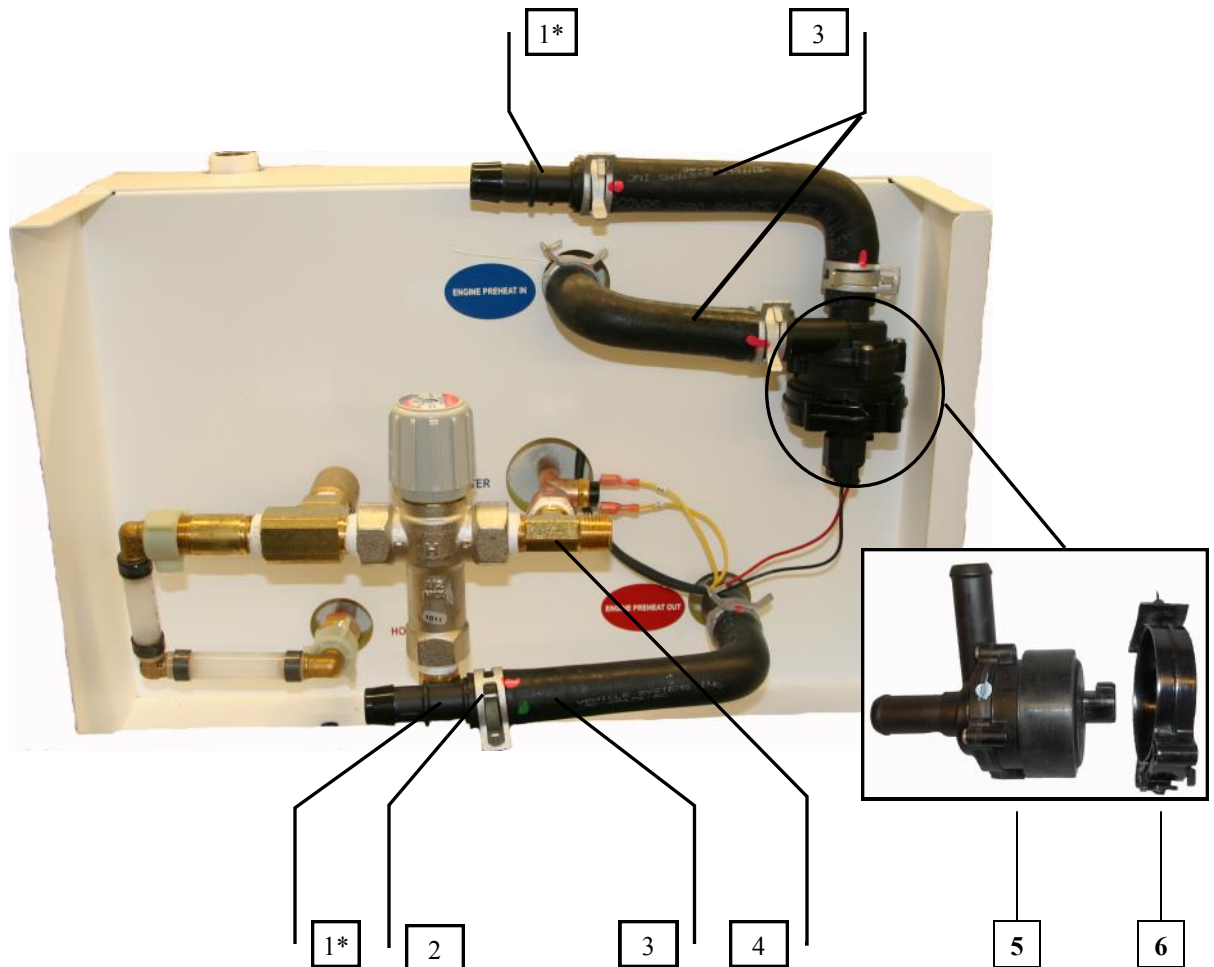


| Key | Part Number | Serial Number | Description                                       |
|-----|-------------|---------------|---------------------------------------------------|
| 1   | ELE-LTC-608 |               | Thermostat, Low Temp. Cut-Off w/Spade Connectors  |
| 2   | PLX-09P-100 |               | Valve, Tempering 145°F                            |
| 3   | PLX-111-125 |               | Valve, Pressure Relief, 125 PSI                   |
| 4   | PLX-0X1-07D |               | Fitting, Tee, 1/2 in. NPT (M) (F) Brass           |
| 5   | PLX-113-250 |               | Fitting, Nipple, 1/2 in. NPT x 2-1/2 in. Brass    |
| 6   | PLX-000-755 |               | Fitting, Elbow, Swivel 1/2 in. Barb x 1/2 in. FPT |
| 7   | PLX-000-750 |               | Fitting, Elbow 1/2 in. Barb, Brass                |
| 8   | PLX-000-745 |               | Ring, Crimp 1/2 in.                               |
| 9   | PLX-M10-1DA |               | Fitting, Tee Forged, 1/2 in (M) NPT               |

\* The AHE-450-DW3 uses a 3/4 to 1/2 reducer fitting for the engine preheat connection



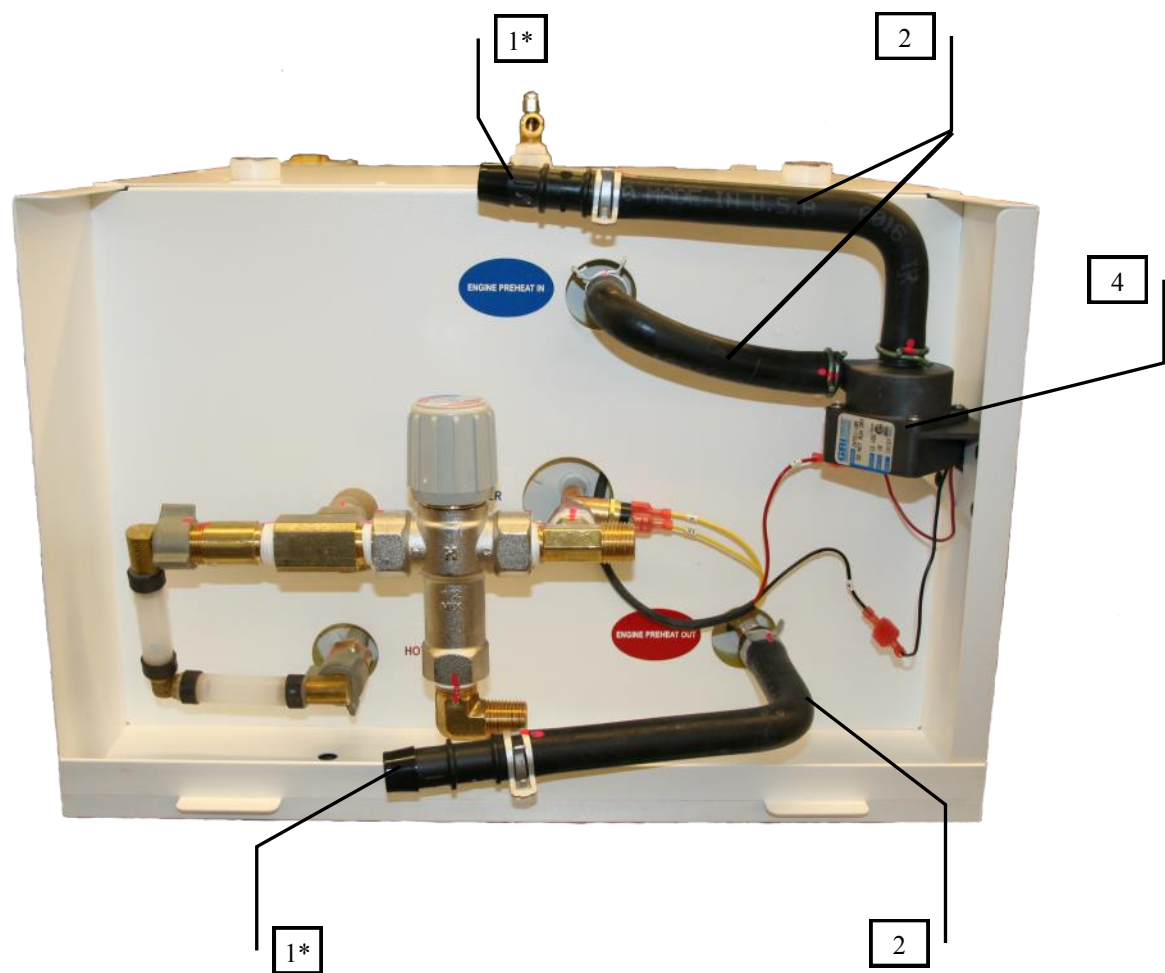
## SECTION 1: HEATER OVERVIEW - REAR



| AHE-450-DE4 |             |                           |                                                   |
|-------------|-------------|---------------------------|---------------------------------------------------|
| Key         | Part Number | Serial Number             | Description                                       |
| 1           | PLX-000-825 | A450-100277 - A450-130591 | Fitting, Coupler 3/4in Black Nylon                |
| 2           | PLX-CTB-270 | A450-100277 - A450-130591 | Clamp, Hose Constant Tension 3/4 in               |
| 3           | PLX-284-74V | A450-100277 - A450-130591 | Hose, Molded, Elbow 90° 3/4in x 3/4in x 10in long |
| 4           | PLX-M10-1DA | A450-100277 - A450-130591 | Fitting, Tee Forged, 1/2 Male NPT                 |
| 5           | PLX-100-835 | A450-100277 - A450-130591 | Pump, Cooper Standard                             |
| 6           | PLX-100-836 | A450-100277 - A450-130591 | Bracket, Cooper Pump Mounting                     |
| AHE-450-DW3 |             |                           |                                                   |
| Key         | Part Number | Serial Number             | Description                                       |
| 1*          | PLX-000-815 | A450-100294 - A450-130582 | Fitting, Adapter 3/4 to 1/2 hose                  |
| 2           | PLX-CTB-270 | A450-100294 - A450-130582 | Clamp, Hose Constant Tension 3/4 in               |
| 3           | PLX-284-74V | A450-100294 - A450-130582 | Hose, Molded, Elbow 90° 3/4in x 3/4in x 10in long |
| 4           | PLX-M10-1DA | A450-100294 - A450-130582 | Fitting, Tee Forged, 1/2 Male NPT                 |
| 5           | PLX-100-835 | A450-100294 - A450-130582 | Pump, Cooper Standard                             |
| 6           | PLX-100-836 | A450-100294 - A450-130582 | Bracket, Cooper Pump Mounting                     |

\* The AHE-450-DW3 uses a 3/4 to 1/2 reducer fitting for the engine preheat connection

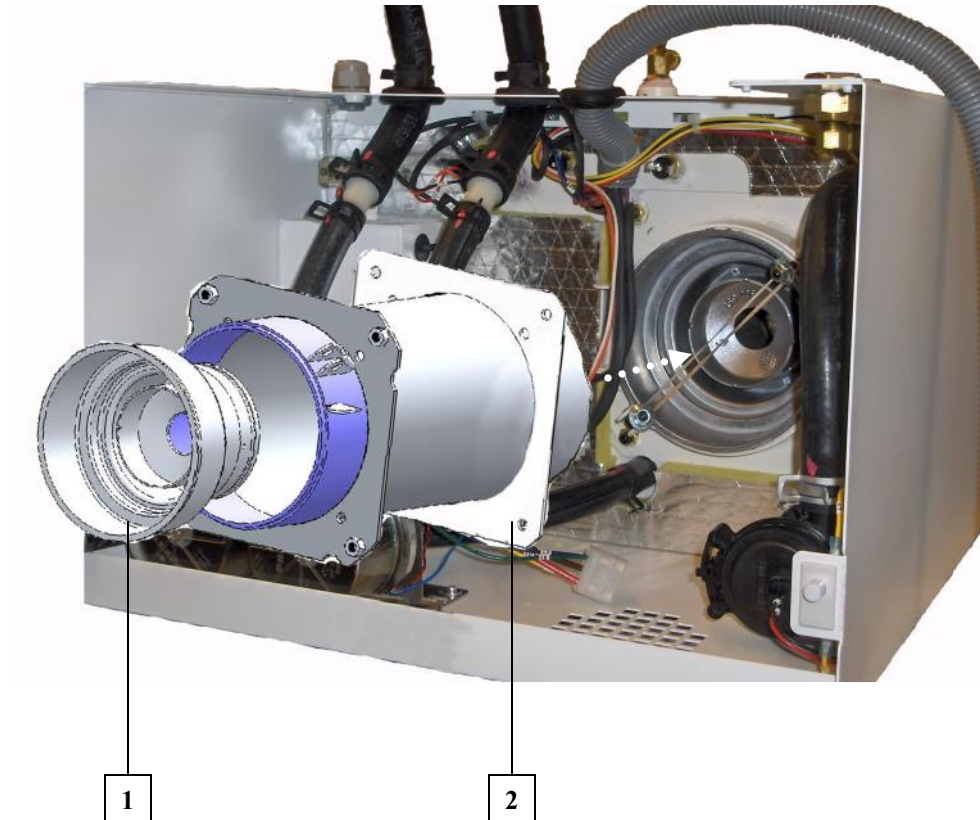
SECTION 1: HEATER OVERVIEW - REAR



| AHE-450-DE4 |             |                      |                                            |
|-------------|-------------|----------------------|--------------------------------------------|
| Key         | Part Number | Serial Number        | Description                                |
| 1           | PLX-000-815 | A450-130592- Current | Adapter, Hose ,3/4in. X 1/2 in. Plastic    |
| 3           | PLX-285-000 | A450-130592- Current | Hose, Heater 1/2 in. to 1/2 in. 90° Molded |
| 4           | PLX-100-850 | A450-130592- Current | Pump, GRI, INTG1-053, 12 VDC 18W           |
| AHE-450-DW3 |             |                      |                                            |
| Key         | Part Number | Serial Number        | Description                                |
| 1*          | PLX-450-002 | A450-130583- Current | Adaptor, Hose ,1/2 in. x 5/8 in. Plastic   |
| 3           | PLX-285-000 | A450-130583- Current | Hose, Heater 1/2 in. to 1/2 in. 90° Molded |
| 4           | PLX-100-850 | A450-130583- Current | Pump, GRI, INTG1-053, 12 VDC 18W           |

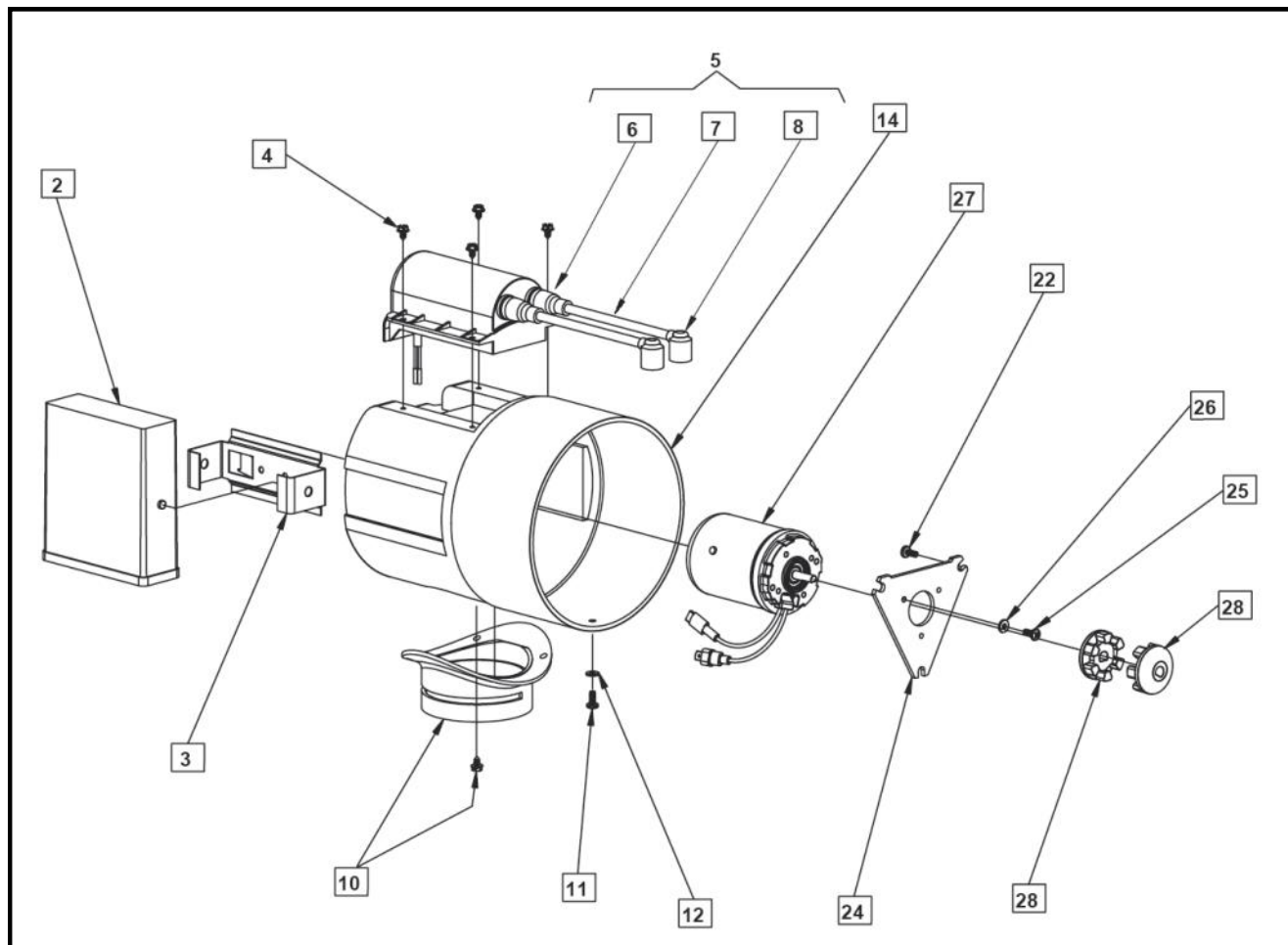
\* The AHE-450-DW3 uses a 5/8 to 1/2 reducer fitting for the engine preheat connection

## SECTION 1: HEATER OVERVIEW - REAR



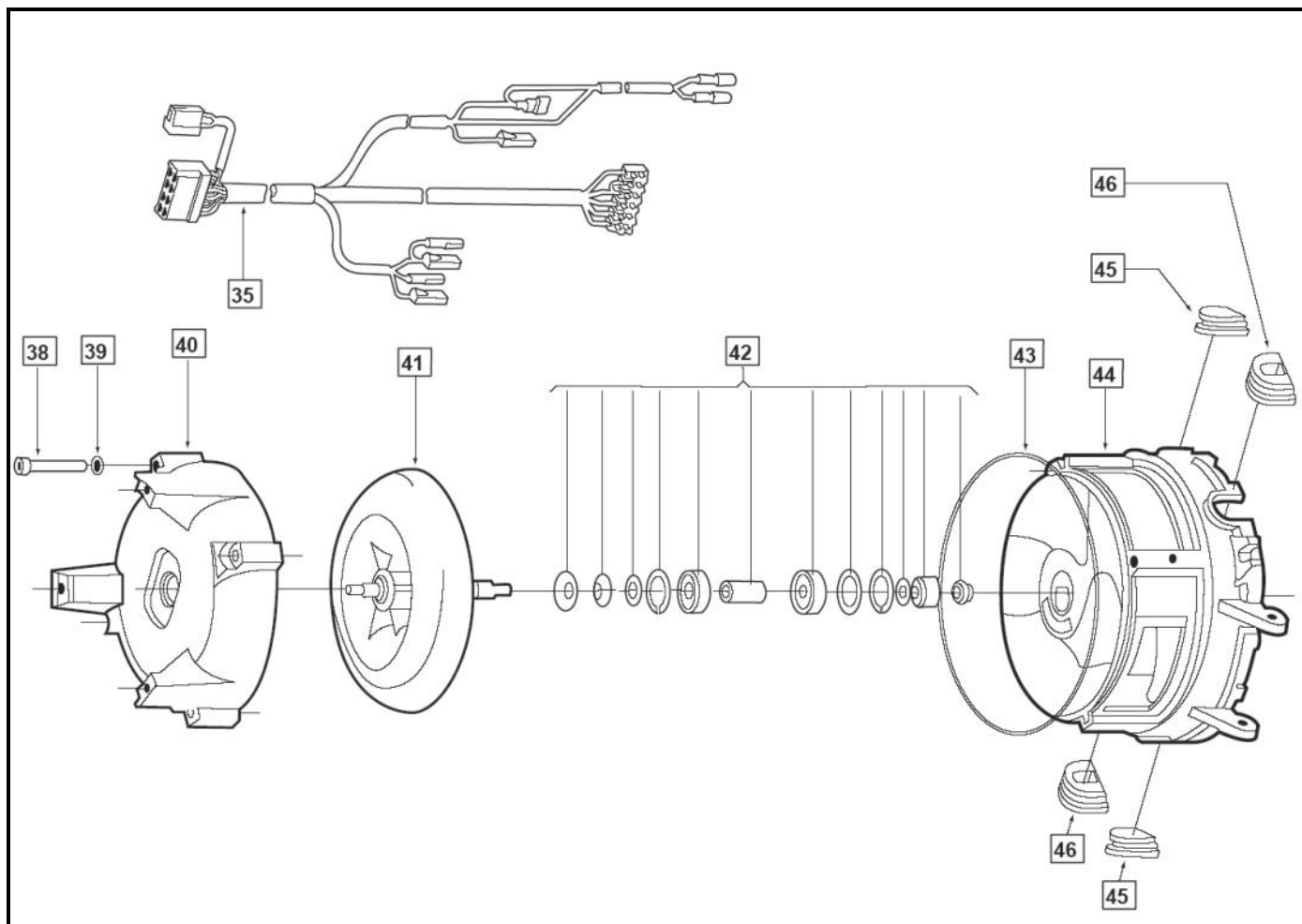
| Key | Part Number | Serial Number | Description                                               |
|-----|-------------|---------------|-----------------------------------------------------------|
| 1   | WPX-303-051 |               | Swirler, Combustion Chamber, Air Assembly, Cast. Aluminum |
| 2   | HDE-700-205 |               | Gasket, Combustion Chamber Tube                           |

## SECTION 2: DIESEL BURNER



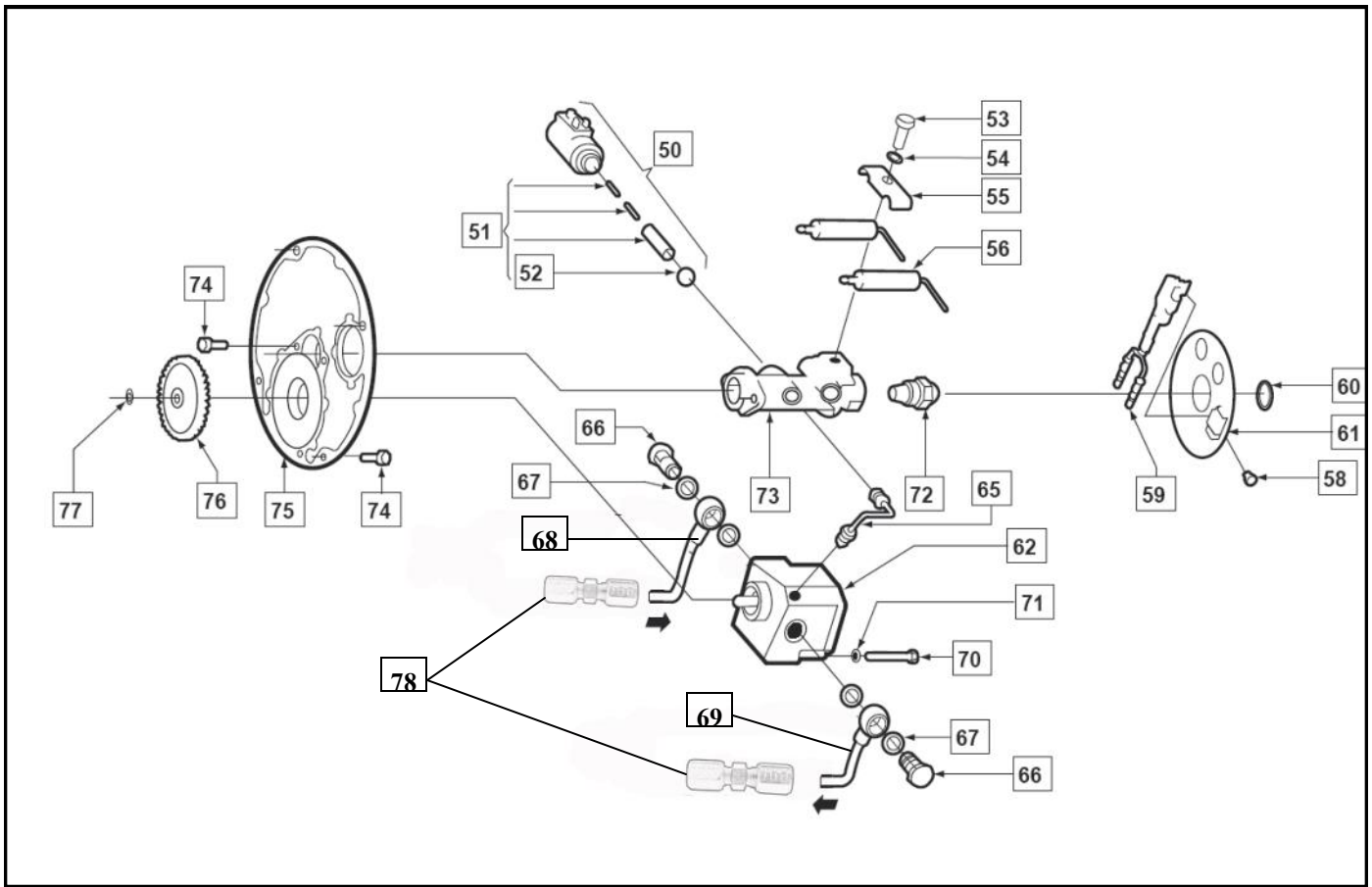
| Key | Part Number | Serial Number | Description                              |
|-----|-------------|---------------|------------------------------------------|
| 2   | WPX-287-962 |               | Controller, Diesel Burner, 12 VDC        |
| 3   | WPX-362-107 |               | Bracket, Controller, Mounting            |
| 4   | WPX-470-562 |               | Screw, Coil Mounting                     |
| 5   | WPX-101-838 |               | Coil, Ignition, 12 VDC                   |
| 6   | WPX-404-918 |               | Boot, Ignition Wire                      |
| 7   | WPX-178-624 |               | Wire, Ignition                           |
| 8   | WPX-176-494 |               | Boot, Ignition, Wire, Elbow              |
| 10  | WPX-350-427 |               | Shutter, Combustion, Air Intake          |
| 11  | WPX-432-377 |               | Screw, Protection Housing                |
| 12  | WPX-152-269 |               | Washer, Star, Protection Housing         |
| 14  | WPX-436-216 |               | Cap, Protection Motor                    |
| 22  | WPX-147-834 |               | Screw, Flange, Blower Housing            |
| 24  | WPX-425-05A |               | Plate, Motor Mounting                    |
| 25  | WPX-432-377 |               | Screw, Motor Plate                       |
| 26  | WPX-152-269 |               | Screw, Star ,Motor Plate                 |
| 27  | WPX-425-060 |               | Motor, Combustion, Air/Fuel Pump, 12 VDC |
| 28  | WPX-350-516 |               | Clutch, Half, 6mm                        |

## SECTION 2: DIESEL BURNER



| Key | Part Number | Serial Number | Description                    |
|-----|-------------|---------------|--------------------------------|
| 35  | WPX-434-795 |               | Harness, C-Plug                |
| 38  | WPX-148-210 |               | Screw, Blower Casting          |
| 39  | WPX-152-552 |               | Washer, Lock, Blower Casting   |
| 40  | WPX-301-841 |               | Housing, Blower                |
| 41  | WPX-373-001 |               | Blower, Wheel, w/Shaft         |
| 42  | WPX-378-313 |               | Bearing Kit                    |
| 43  | WPX-412-244 |               | O-Ring, Blower Casting         |
| 44  | WPX-225-67A |               | Casting, Blower                |
| 45  | WPX-298-964 |               | Grommet, Blower Casting, Left  |
| 46  | WPX-299-995 |               | Grommet, Blower Casting, Right |

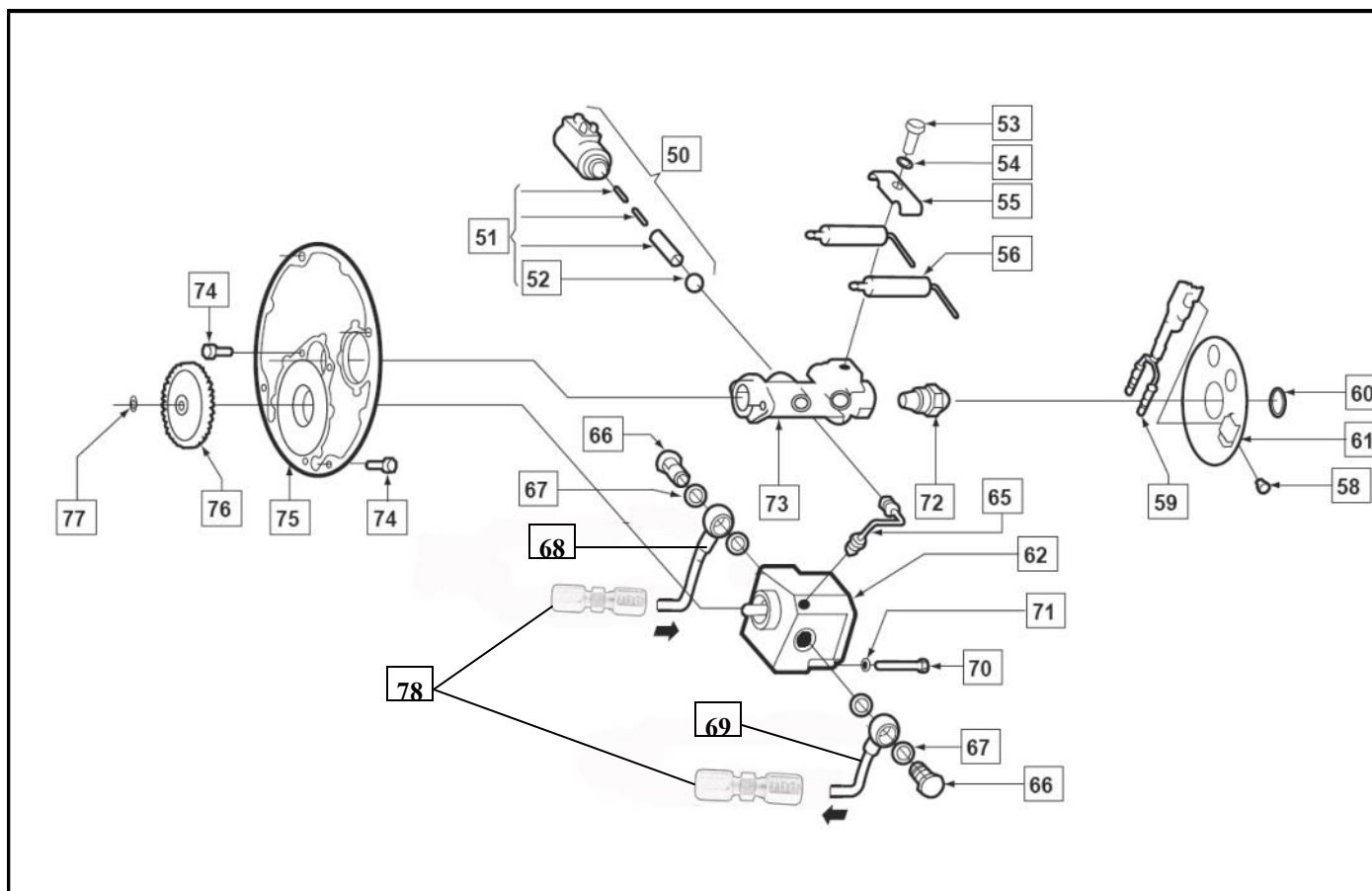
## SECTION 2: DIESEL BURNER



| Key | Part Number | Serial Number | Description                  |
|-----|-------------|---------------|------------------------------|
| 50  | WPX-322-083 |               | Valve, Fuel Solenoid, 12 VDC |
| 51  | WPX-386-650 |               | Valve, Fuel Solenoid Kit     |
| 52  | WPX-260-487 |               | O-Ring, Fuel Solenoid Valve  |
| 53  | WPX-267-279 |               | Bolt, Electrode              |
| 54  | WPX-152-560 |               | Washer, Lock, Electrode      |
| 55  | WPX-278-971 |               | Clamp, Electrode             |
| 56  | WPX-274-313 |               | Electrode, Ignition          |
| 58  | WPX-147-699 |               | Screw, Flame Sensor          |
| 59  | WPX-638-78A |               | Sensor, Flame                |
| 60  | WPX-453-048 |               | Clip, Retaining Photo Disc   |
| 61  | WPX-887-71A |               | Disc, Photo                  |
| 62  | WPX-503-03A |               | Pump, Fuel, Kit              |
| 65  | WPX-665-49A |               | Tube, Fuel, High Pressure    |
| 66  | WPX-150-754 |               | Bolt, Banjo                  |
| 67  | WPX-151-157 |               | Gasket, Ring, Copper         |



## SECTION 2: DIESEL BURNER



| Key | Part Number | Serial Number | Description                                          |
|-----|-------------|---------------|------------------------------------------------------|
| 68  | WPX-661-002 |               | Pipe, Fuel Banjo, Supply DBW 2010 (w/Straight Tube)  |
| 69  | WPX-661-001 |               | Pipe, Fuel Banjo, Return, DBW 2010 (w/Straight Tube) |
| 70  | WXP-277-282 |               | Screw, Mounting, Fuel Pump                           |
| 71  | WPX-152-544 |               | Washer, Lock, Fuel Pump                              |
| 72  | WPX-886-41A |               | Nozzle, Fuel, 0.35 GPH                               |
| 73  | WPX-412-198 |               | Manifold, Fuel Nozzle, Brass                         |
| 74  | WPX-277-150 |               | Screw, Plate, Nozzle Stand                           |
| 75  | WPX-102-861 |               | Plate, Manifold                                      |
| 76  | WPX-371-289 |               | Gear, Fuel Pump, Nylon                               |
| 77  | WPX-152-390 |               | Snap, Ring, Gear                                     |
| 78  | FLX-421-010 |               | Fitting, Hex Union 1/4 in. Tube                      |

## SECTION 3: MISC. PARTS



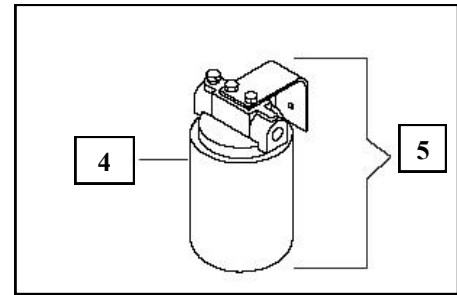
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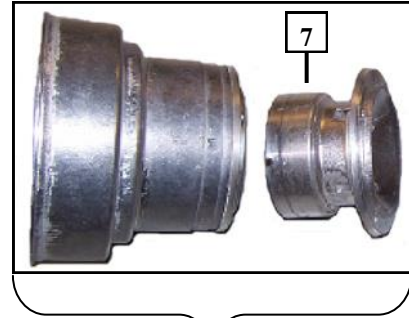


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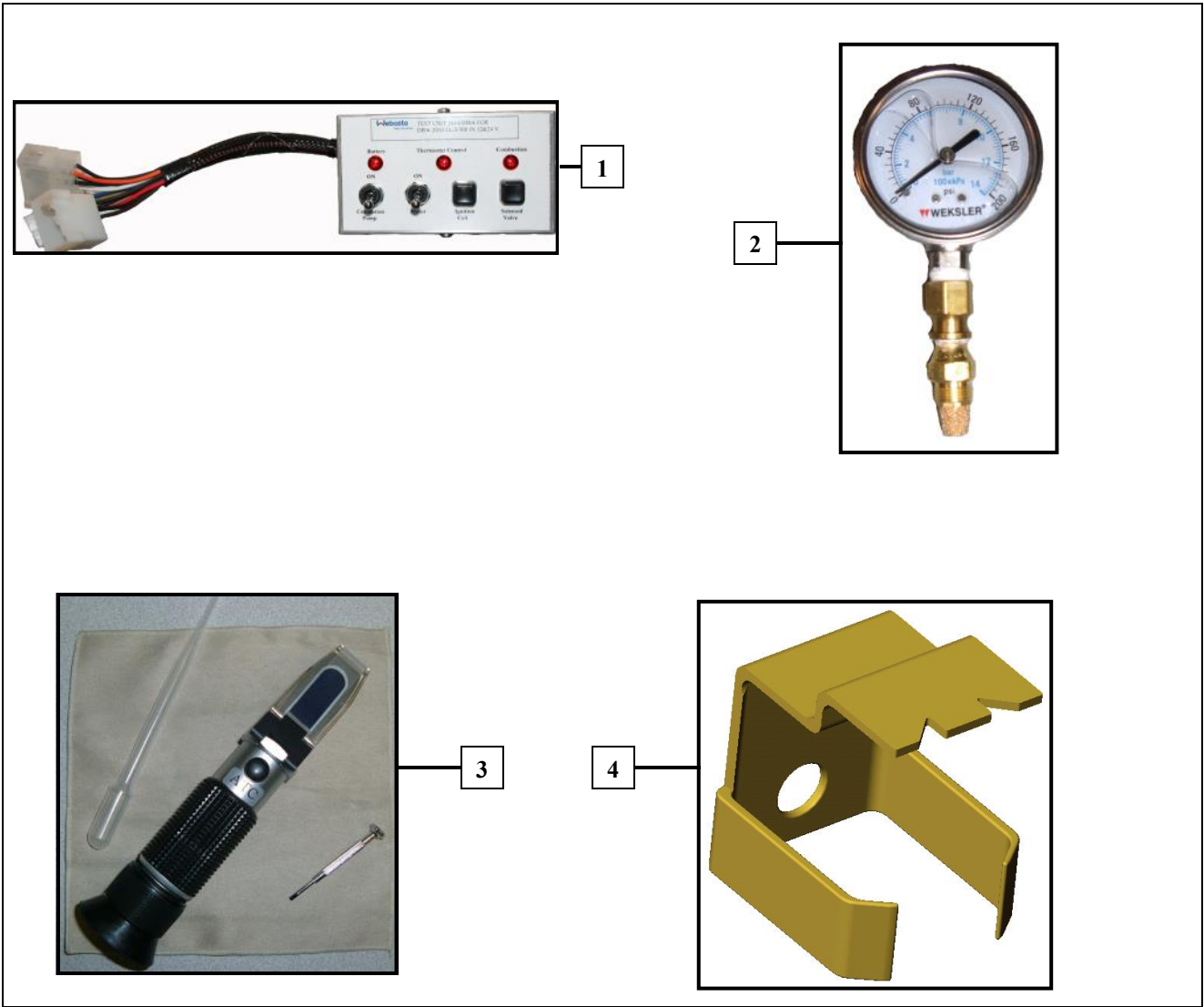
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| Key                         | Part Number | Serial Number | Description                                                |
|-----------------------------|-------------|---------------|------------------------------------------------------------|
| 1                           | MSX-300-275 |               | Antifreeze, Boiler, P.G., 1 qt, Concentrate, (Camco)       |
| 2                           | MSX-300-270 |               | Antifreeze, Boiler, P.G. 1 Gallon (Camco)                  |
| 3                           | MSX-300-300 |               | Antifreeze, Boiler, P.G., 1 Gallon (Century)               |
| 4                           | FLE-120-100 |               | Filter, Canister, Replacement, Garger                      |
| 5                           | FLX-120-000 |               | Filter, Fuel, Garber                                       |
| 6                           | WPX-303-051 |               | Swirler, Combustion Chamber Air Assembly Cast Aluminum     |
| 7                           | WPX-302-651 |               | Air Swirler, DBW 2010                                      |
| MISC. PARTS FOR AHE-450-DW3 |             |               |                                                            |
| 8                           | FLX-139-5B0 |               | Fitting, Brass, Elbow 90°, Barb 5/16 in. x 1/4 in. (M) NPT |
| 9                           | PLX-A65-200 |               | Fitting, Brass, Barb, 3/4in. X 1/2 in. (M) NPT             |
| 10                          | ELE-450-001 |               | Harness, Wiring, Winnebago                                 |

SECTION 4: TOOLS



| Key | Part Number | Serial Number | Description                            |
|-----|-------------|---------------|----------------------------------------|
| 1   | WPX-440-280 |               | Tester, Controller, Webasto            |
| 2   | WPX-600-190 |               | Gauge, Fuel Pressure                   |
| 3   | MSX-907-162 |               | Tester, Refractometer, Battery/Coolant |
| 4   | WPX-310-646 |               | Gauge, Adjustment, Electrode           |







# **AHE-450-DE4**

# **AHE-450-DW3**

# **PARTS MANUAL**