

PARTS MANUAL

# 200 SERIES



250P and 250D



## Introduction

The purpose of this manual, and the information contained herein is to assist with the identification of components included with the Aqua-Hot 250D or 250P units which may be in need of replacement. Please note that the Aqua-Hot 250P and 250D units are very similar in nature, and as such will contain many of the same components.

You will notice that some components have been stated multiple times, this is done so as to assist the technician or end-user in correctly identifying components within the Aqua-Hot.

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Buehler C21 Fluid Pump.....	
Pressure Relief Valve.....	

AC Electric Element.....	
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### Diesel Burner Components

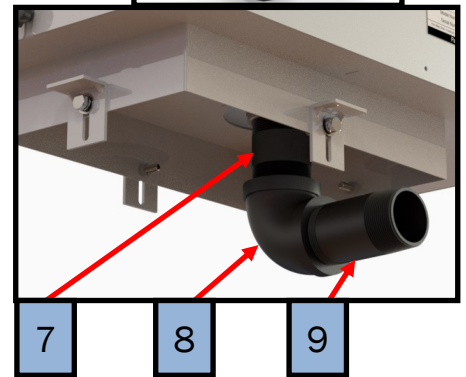
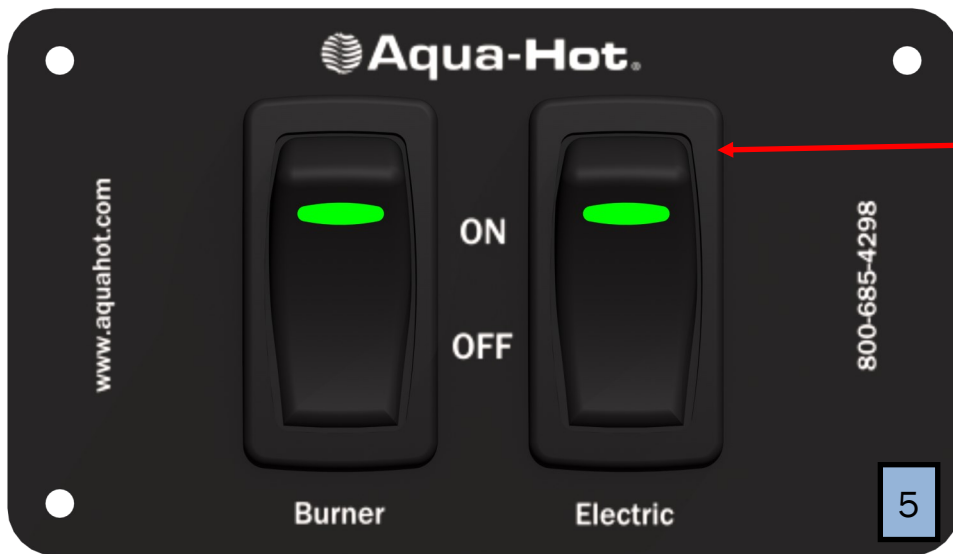
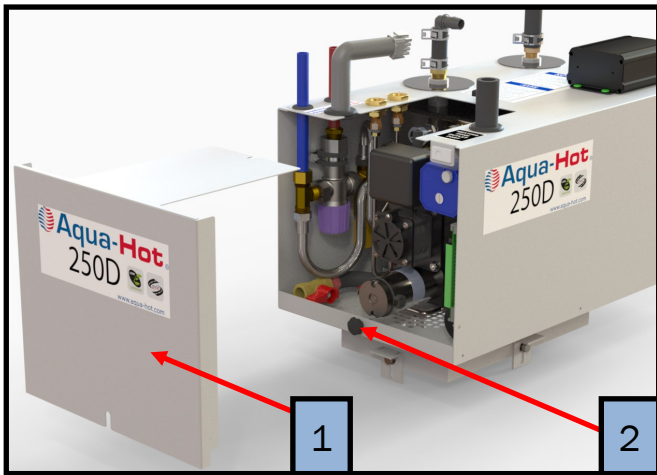
Aqua-Hot Diesel Burner.....	
Diesel Air Shutter.....	
Diesel Igniter Coil.....	
Fuel Pump Motor.....	
Set Screw Coupler.....	
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### 250P Components.....

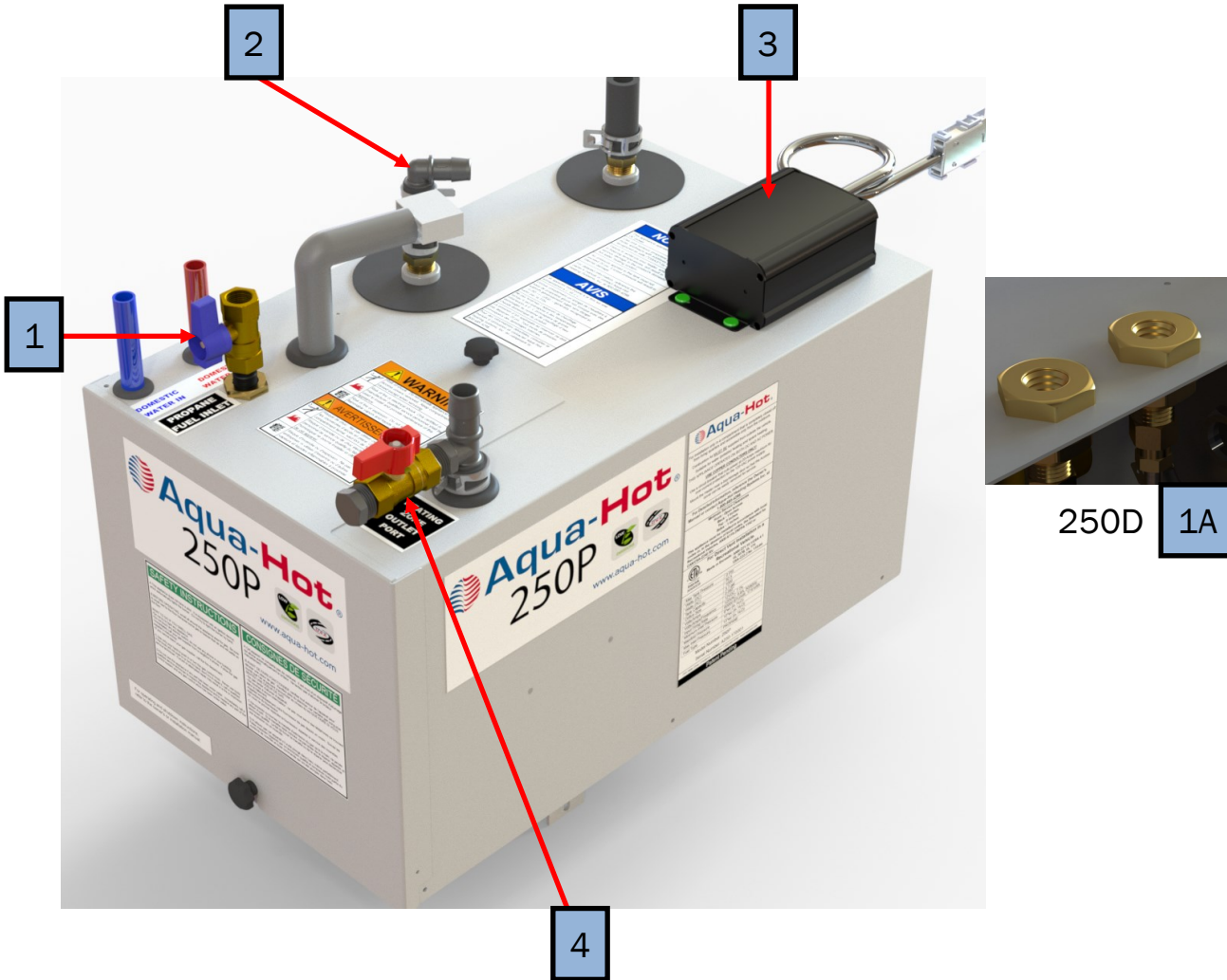
Brass Ball Valve (Drain).....	
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Honeywell 140° F Tempering Valve.....	
Danfoss 120° F 1/2" NPT (M) Mixing Valve.....	
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Propane Ball Valve.....	
Buck Boost Module.....	
Motorized Three-Way Valve.....	
Fan Validation Switch.....	
Buehler C21 Fluid Pump.....	
Interlock Switch.....	

### Propane Burner Components.....

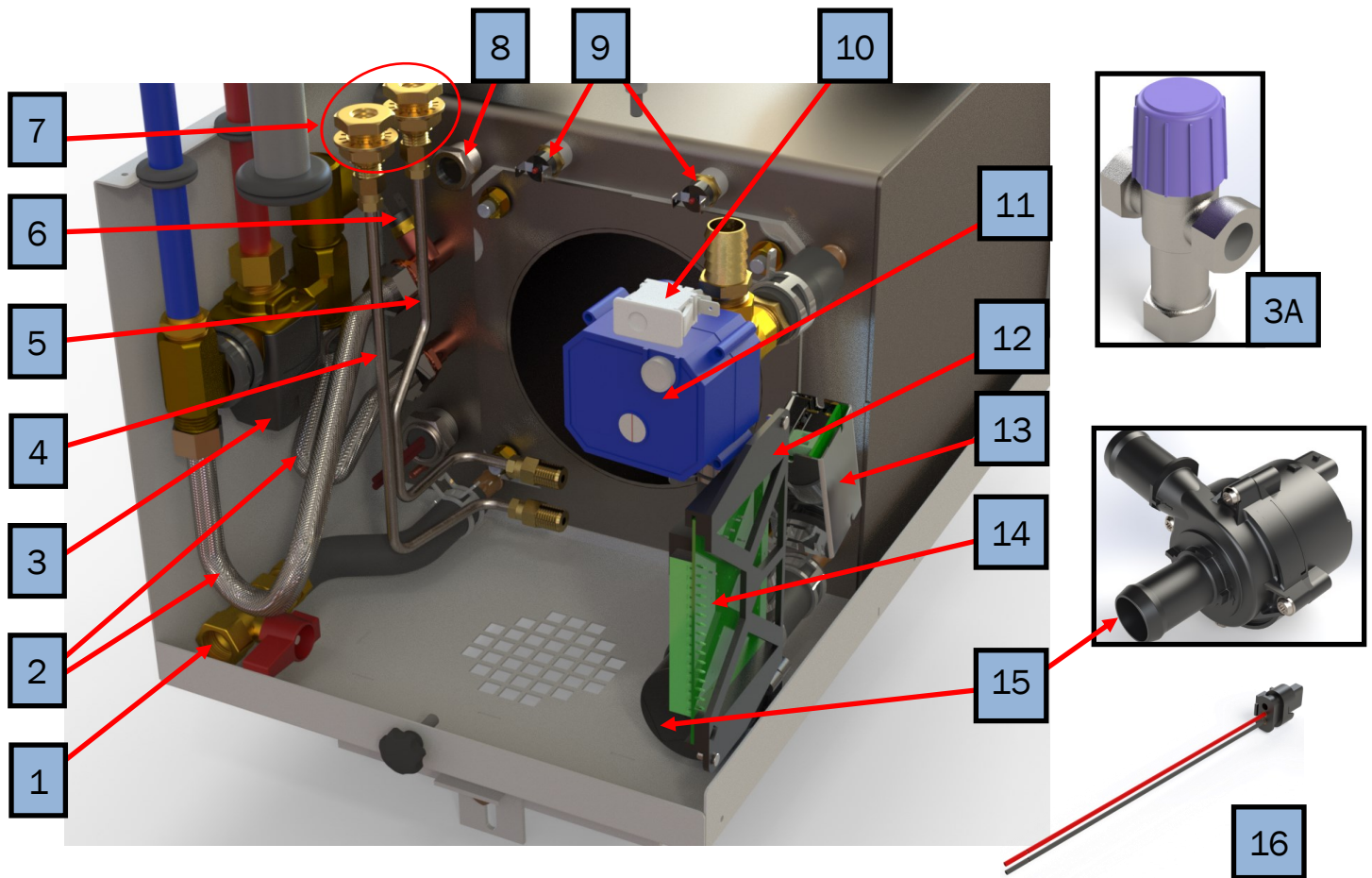
Refractory Insulation.....	
Exhaust Back Pressure Switch.....	
Propane Hot Surface Igniter.....	
Dual-Stage Propane Gas Valve.....	
Propane Blower Fan.....	
Flame Sensor.....	



Key	Part Number	Date of Introduction	Description
1	SME-200-002	Launch	Access Cover
2	HDX-010-400	Launch	Star Grip Thumb Screw (x2)
3	MSE-200-0FB	Launch	Kit: Expansion Bottle, Float Sensor, Clamps, Hose
4	PLX-CTB-270	Launch	3/4" Constant Tension Hose Clamp
5	ELE-000-508	Launch	12V DC Switch Panel Assembly
6	ELX-283-283	Launch	Rocker Switch
7	PLX-664-750	Launch	Pipe Nipple, 3" 1-1/2" (M) NPT
8	PLX-11D-028	Launch	90° Exhaust Elbow, 1-1/2" x 1-1/2" (F) NPT
9	PLX-664-730	Launch	Pipe Nipple, 4" 1-1/2" (M) NPT

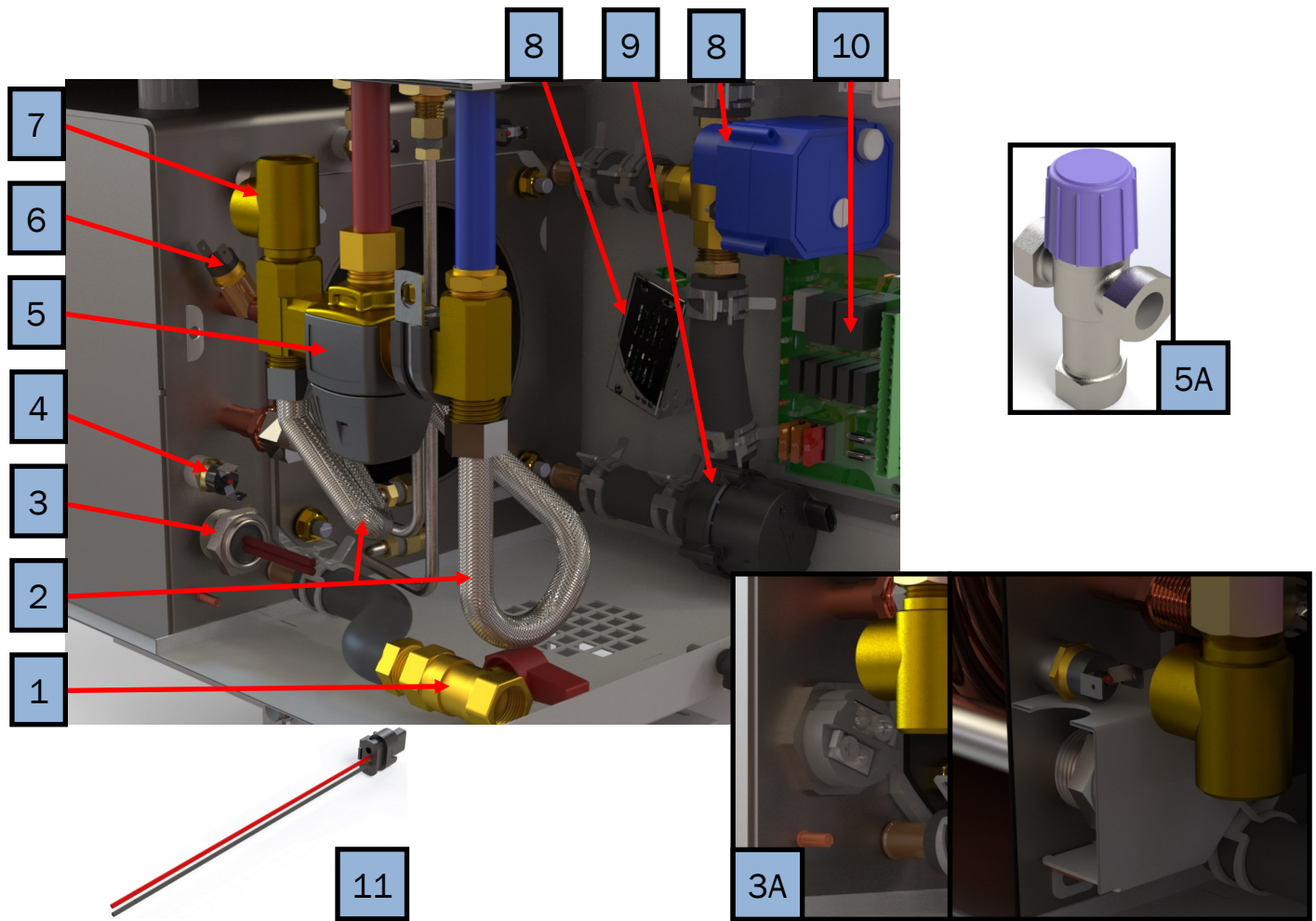


Key	Part Number	Date of Introduction	Description
1	PLX-375-050	Launch	Propane Gas Ball Valve
1A	PLX-105-800	Launch	Brass Bulkhead Fitting, 1/4" x 1/4" (F) NPT
2	PLX-200-345	Launch	90° Hose Elbow with 5/8" Barb
3	ELX-630-001	Launch	AC Electric Relay
4	PLX-BV1-200	Launch	Brass Ball Valve 1/2" (F) NPT



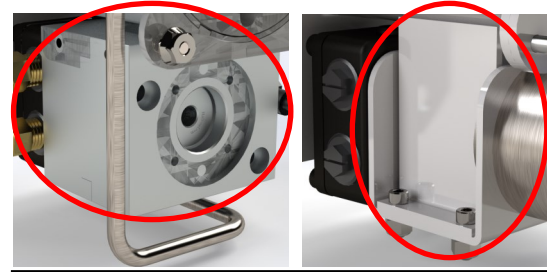
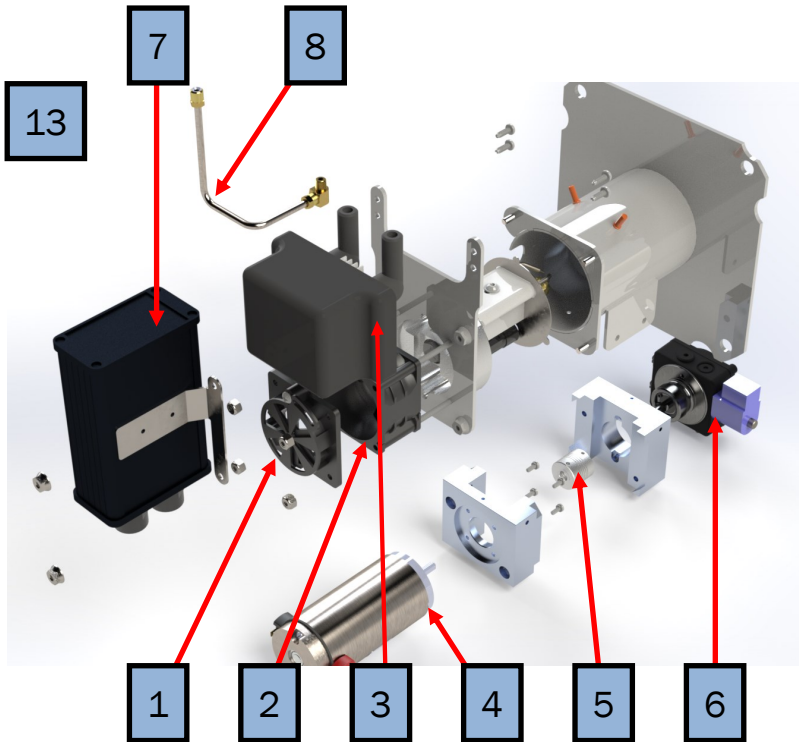
Key	Part Number	Date of Introduction	Description
1	PLX-BV1-200	Launch	Brass Ball Valve 1/2 in. (F) NPT
2	PLX-110-050	Launch	Lead Free Braided Stainless Steel Faucet Connector (x2)
3	PLX-362-100	04/26/2019	Danfoss 120° F Tempering Valve
3A	PLX-09P-100	Launch	Honeywell 140° F Tempering Valve
4	FLE-250-001	Launch	Fuel Supply Line
5	FLE-250-002	Launch	Fuel Return Line
6	ELE-LTC-200	Launch	Low Temperature Cutoff Thermostat
7	PLX-105-800	Launch	Brass Bulkhead Fitting 1/4" x 1/4" (F) NPT
8	ELE-014-010	Launch	Control Thermostat
9	ELE-HLT-425	Launch	215° F High Limit Thermostat
10	ELX-000-051	Launch	12V DC Interlock Switch
11	PLE-251-D01	Launch	Three-Way Motorized Valve Kit (250D)
12	EPE-800-100	Launch	Relay Control Board Cradle
13	ELE-400-025	Launch	Buck Boost Replacement Kit
14	ELE-RCB-200	Launch	200 Series Relay Control Board
15	PLX-100-900	Launch	Buehler C21 Fluid Pump
16	ELE-400-900	Launch	Buehler C21 Wire Harness



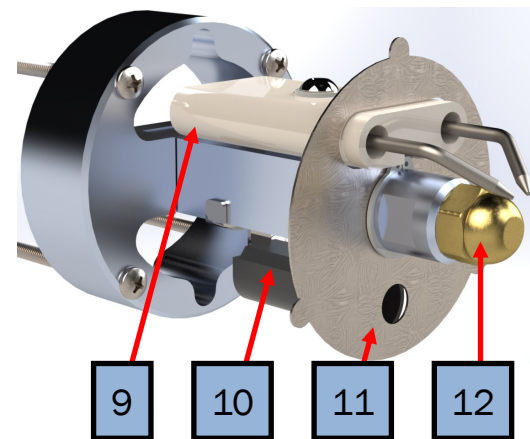


Key	Part Number	Date of Introduction	Description
1	PLX-BV1-200	Launch	Brass Ball Valve 1/2 in. (F) NPT
2	PLX-110-050	Launch	Lead Free Braided Stainless Steel Faucet Connector (x2)
3	TBD	Launch	1,000W AC Element, 3/4" (M) NPT
3A	ELX-2E7-250	<b>TBD</b>	1kW 120V AC Electric Element, 1" NPSM
4	ELE-888-426	Launch	215 °F 120V AC High Limit Thermostat
5	PLX-362-100	<b>TBD</b>	Danfoss 120 °F 1/2" NPT (M) Mixing Valve
5A	PLX-09P-100	Launch	Honeywell 140 °F Tempering Valve
6	ELE-LTC-200	Launch	Low Temperature Cutoff Thermostat
7	PLX-111-125	Launch	125PSI Pressure Relief Valve
8	ELE-400-025	Launch	Buck Boost Replacement Kit
9	PLX-100-900	Launch	Buehler C21 Fluid Pump
10	PLE-251-D01	Launch	Three-Way Motorized Valve Kit (250D)
11	ELE-RCB-200	Launch	200 Series Relay Control Board
12	ELE-400-900	Launch	Buehler C21 Wire Harness

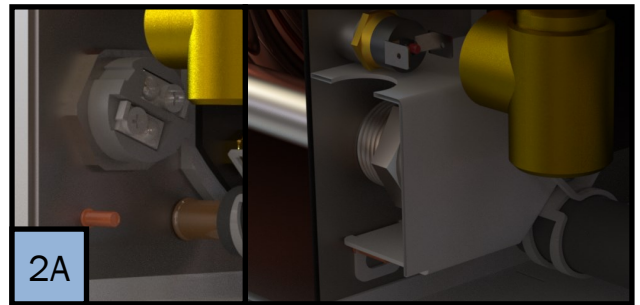
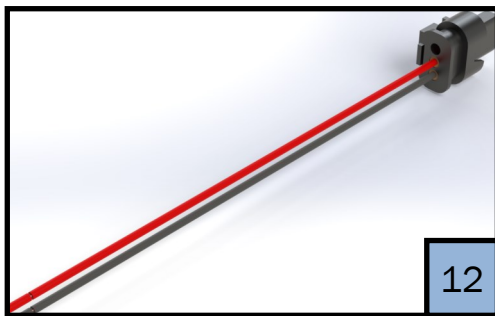
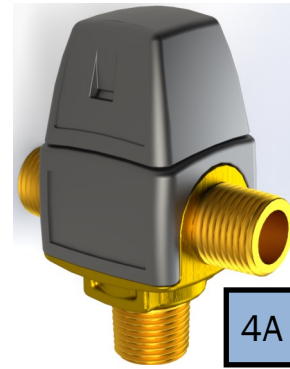
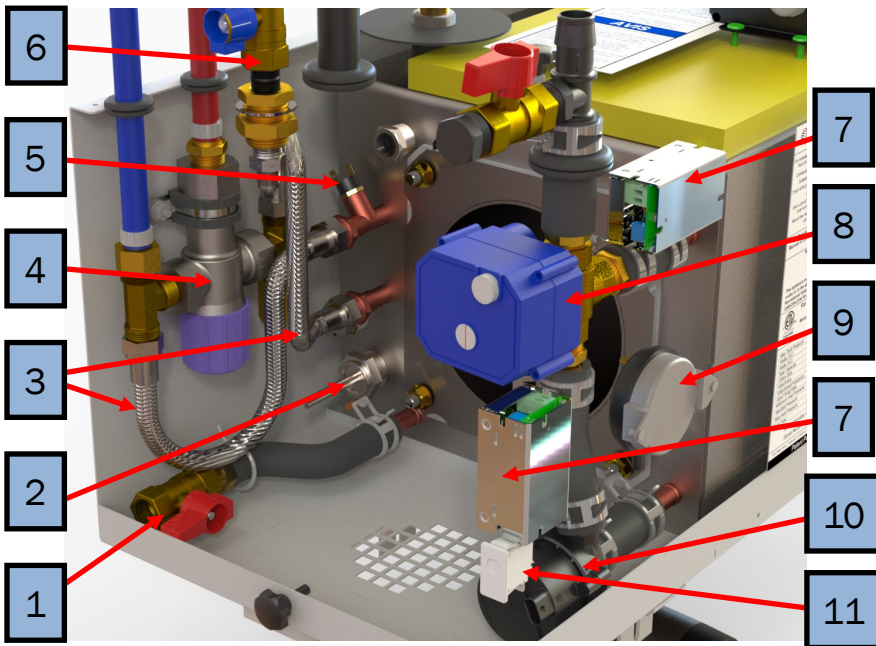
## Diesel Burner Components



**Note:** Some units may have differing fuel pump mounting hardware.

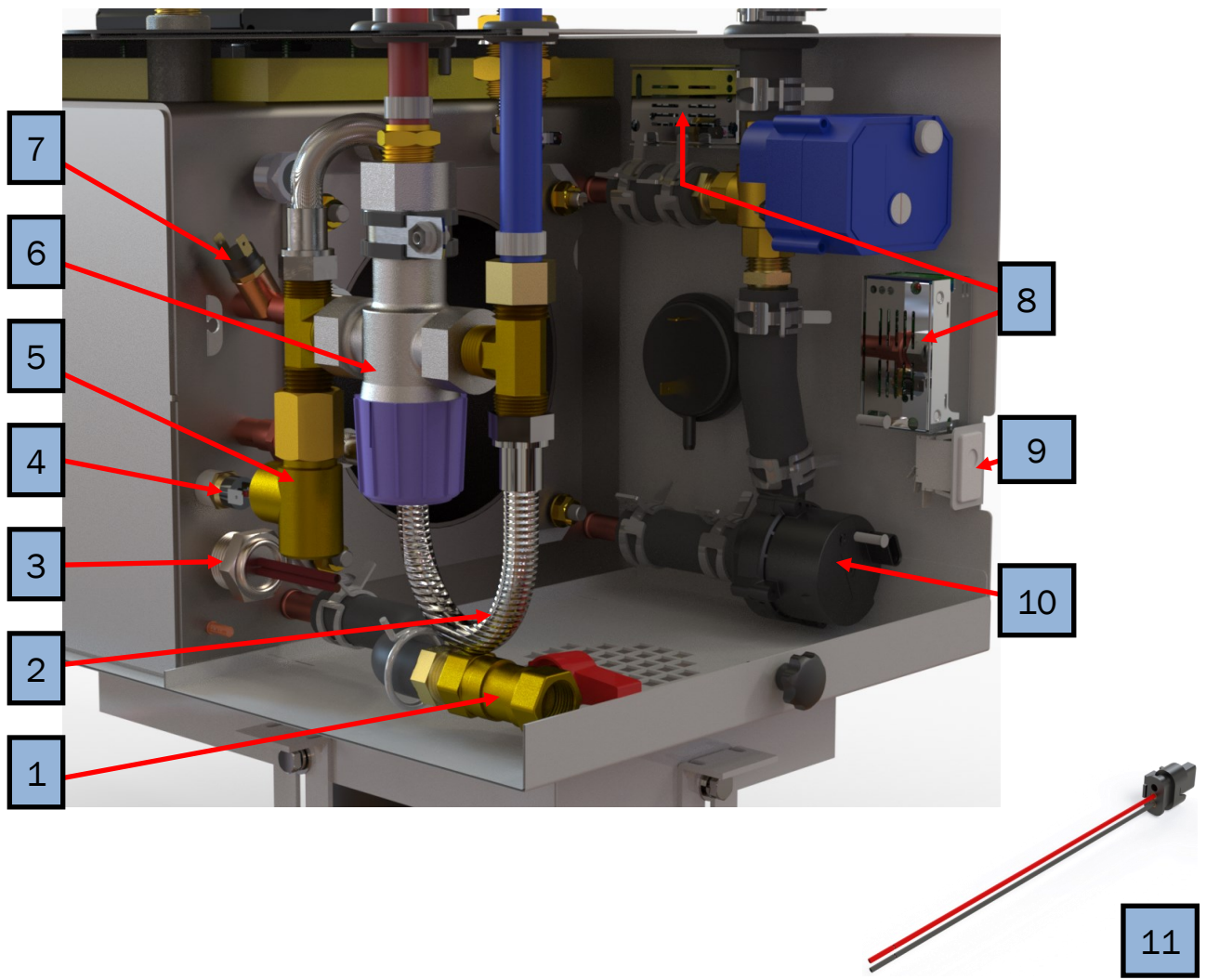


Key	Part Number	Date of Introduction	Description
1	DBE-888-100	Launch	Diesel Air Shutter Kit
2	DBE-888-151	Launch	Diesel Combustion Blower Fan Kit
3	DBE-888-110	Launch	Diesel Igniter Coil Kit
4	DBE-800-008	Launch	Fuel Pump Motor
5	DBE-800-088	Launch	8mm x 8mm Set Screw Coupler
6	DBE-800-056	Launch	Danfoss Diesel Fuel Pump with Solenoid
7	ELE-888-888	Launch	Aqua-Hot 250D Burner Controller Kit
8	FLE-800-007	Launch	Burner Fuel Supply Line
9	ELX-800-020	Launch	Diesel Igniter Module
10	ELE-888-130	Launch	Diesel Photo-Eye Kit
11	SME-800-053	Launch	Fuel Tower Heat Shield
12	WPX-886-41A	Launch	Diesel Fuel Nozzle 60°
13	DBE-000-000	Launch	Aqua-Hot Diesel Burner Assembly
14	ELE-888-121	Launch	Replacement Electrode Wires Kit

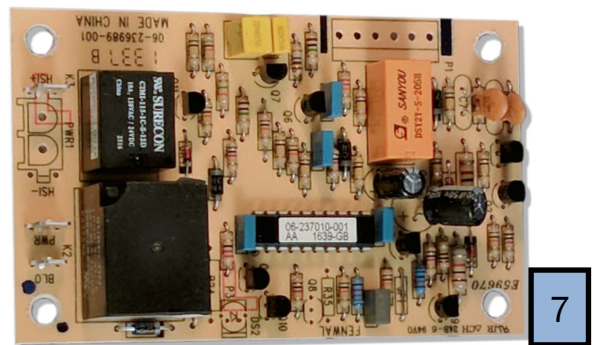
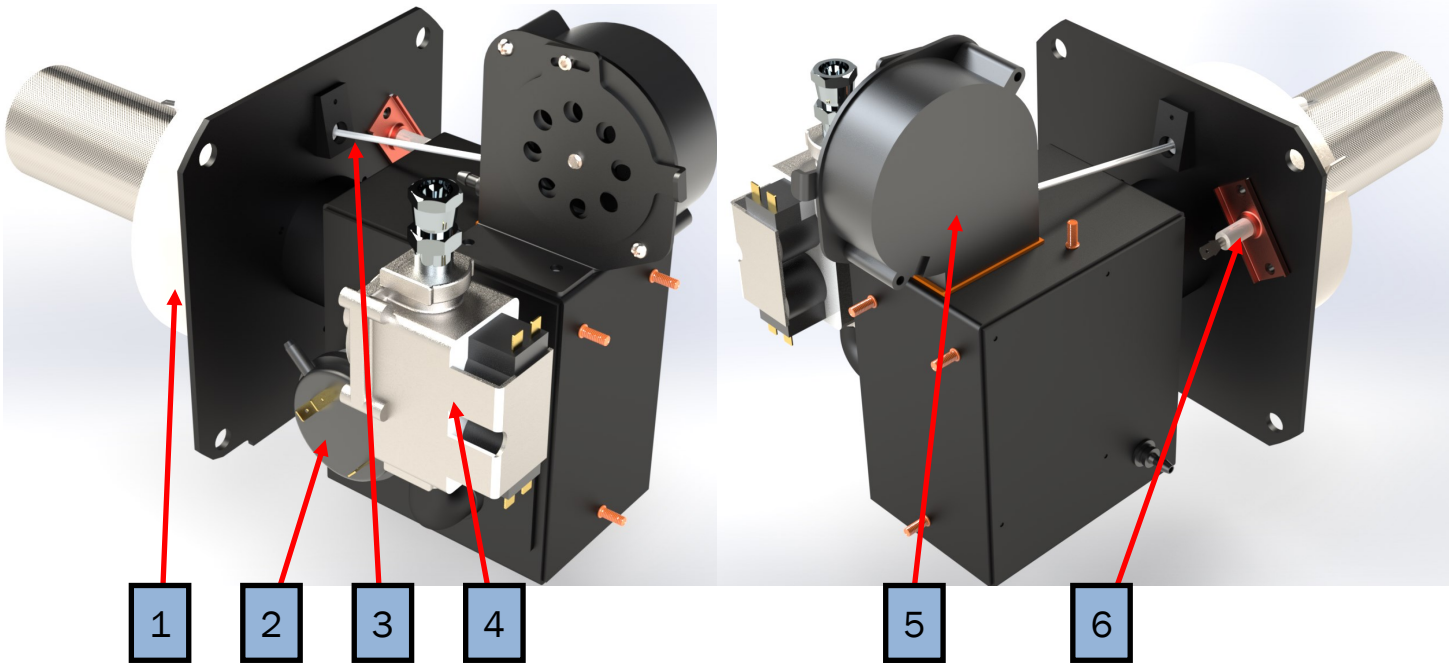


Key	Part Number	Date of Introduction	Description
1	PLX-BV1-200	Launch	Brass Ball Valve 1/2 in. (F) NPT
2	ELX-2E7-250	Launch	1,000W AC Element, 3/4" (M) NPT
2A	ELX-2E7-250	04/16/2019	1kW 120V AC Electric Element, 1" NPSM
3	PLX-110-050	Launch	Lead Free Braided Stainless Steel Faucet Connector (x2)
4	PLX-09P-100	Launch	Honeywell 140°F Tempering Valve
4A	PLX-362-100	04/26/2019	Danfoss 120°F 1/2" NPT (M) Mixing Valve
5	ELE-LTC-200	Launch	Low Temperature Cutoff Thermostat
6	PLX-375-050	Launch	Propane Ball Valve
7	ELE-400-025	Launch	Buck Boost Replacement Kit
8	PLE-251-P01	Launch	Motorized 3-Way Valve (250P Only)
9	ELX-375-010	Launch	Fan Validation Switch
10	PLX-100-900	Launch	Buehler C21 Fluid Pump
11	ELX-000-051	Launch	Interlock Switch
12	ELX-400-900	Launch	Buehler C20 Pump Harness

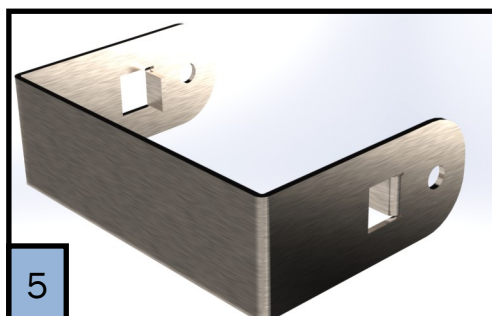




Key	Part Number	Date of Introduction	Description
1	PLX-BV1-200	Launch	Brass Ball Valve
2	PLX-110-050	Launch	Lead-Free Stainless Steel Braided Hose
3	TBD	Launch	1000W AC Electric Element
3a	ELX-2E7-250	04/26/2019	1kW AC Electric Element (1" NPSM)
4	ELE-HLT-426	Launch	AC High Limit Thermostat 215° F
5	PLX-111-125	Launch	125PSI Pressure Relief Valve
6	PLX-09P-100	Launch	Honeywell 120° F Tempering Valve
7	ELE-LTC-200	Launch	Low-Temperature Cutoff Thermostat
8	PLE-250-P01	Launch	Three-Way Motorized Valve Kit (250P)
8	ELE-400-025	Launch	Buck Boost Replacement Kit
9	ELX-000-051	Launch	Interlock Switch
10	PLX-100-900	Launch	Buehler C21 Fluid Pump
11	ELE-400-900	Launch	Buehler C21 Wire Harness



Key	Part Number	Date of Introduction	Description
1	MSE-375-015	Launch	Refractory Insulation
2	ELX-375-035	Launch	Exhaust Back Pressure Switch
3	ELX-375-030	Launch	Propane Hot Surface Igniter
4	PLX-375-010	Launch	Dual Stage Propane Gas Valve
5	ELX-375-020-FRU	Launch	Propane Blower Fan Replacement Kit
6	ELX-375-015	Launch	Flame Sensor
7	ELX-375-025	Launch	Propane Burner Fenwal Control Card



Key	Part Number	Date of Introduction	Description
1	MSX-300-275	Launch	Pink Propylene Glycol Concentrate
2	MSX-300-GRN	Launch	Green Propylene Glycol Concentrate
3	MSX-300-270	Launch	1 Gallon Pink Boiler Antifreeze
4	MSX-300-300	Launch	1 Gallon Green Boiler Antifreeze
5	SME-400-015	Launch	Propane Exhaust End Tip
6	MSX-907-162	Launch	Coolant Tester Refractometer

Parts Manual

# 200 SERIES

 Aqua-Hot®

250-D01, 250-P01



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