8.5.1 Setting Up Heater Option

NOTE: Verify the heater is OFF before programming.

Before using the heater for the first time, set up the following options:

- **Languages:** Set a display language
- **Temperature Scale:** Set temperatures to be displayed in either Celsius or Fahrenheit scale
- **Display Light Timeout:** Set the display light to turn off after a specific interval of inactivity

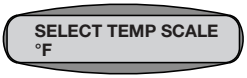
To Program the Display Language:

MENU > SELECT USER SETUP LANGUAGE > MENU > SELECT LANGUAGE ENGLISH (UP or DOWN for different language) > MENU (save) > POOL or SPA (exit)



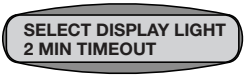
To Program the Temperature Scale (°F or °C):

MENU > SELECT USER SETUP TEMPERATURE SCALE > MENU > SELECT TEMP SCALE °F (UP or DOWN for °F or °C) > MENU (save) > POOL or SPA (exit)



To Program Display Light to Turn Off Automatically:

MENU > SELECT USER SETUP DISPLAY LIGHT > MENU > SELECT DISPLAY LIGHT 2 MIN TIMEOUT (UP or DOWN for timeout length) > MENU (save) > POOL or SPA (exit)

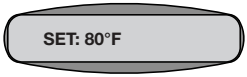


8.5.2 Operating the Heater

To Turn On Pool or Spa Heat:

POOL or SPA > UP or DOWN to change current temperature

NOTE: Five (5) seconds of inactivity will store the new temperature setpoint.



To Turn the Heater Off:

- POOL to enter Pool Heat Mode > POOL to turn Off Pool Heat Mode
- SPA to enter Spa Heat Mode > Spa to turn Off Spa Heat Mode

When the control panel is OFF, the screen displays:

GAS HEATER IS OFF PRESS POOL OR SPA.

- Temperature Set Point Lock

Once you have programmed pool temperature and spa temperature set points, you can lock them so that they may not be changed inadvertently.

- POOL or SPA > UP or DOWN to change current temperature
- Press UP and DOWN buttons simultaneously for seven (7) seconds to lock or unlock current temperature setpoint

NOTE: Lock or unlock function depends on current temperature setpoint status.



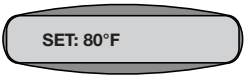
To Maintain Pool or Spa Heat:

(Requires additional external relay and wiring to pump relay contacts, see wiring diagram *Figure 15*, and must be setup in installer configuration.)

POOL or SPA > MENU > MAINTAIN POOL HEAT or MAINTAIN SPA HEAT (UP or DOWN for Pool or Spa Mode) > MENU (display current temperature setpoint) > UP or DOWN to change temperature setpoint

NOTE: Five (5) seconds of inactivity will store the new temperature setpoint.





If connected, the Maintain Heat mode monitors the pool water temperature 24 hours a day by turning the pool pump on and sampling the water temperature. When the water temperature drops below the programmed temperature set point, the controller automatically starts heating the pool.

8.6 Performing Seasonal Shutdown

Complete shutdown instructions are as follows. Refer to *Figure 23*. For winterization instructions, see *Section 9.3, Winterizing*.

- Set temperature thermostat controls to their lowest setting and turn off the controller. Make sure the display shows OFF.
- Turn off all electrical power to the heater at the junction box.
- Remove the top panel of the heater.
- Turn the gas valve control switch to OFF.
- Shut off the external gas supply valve to the heater.
- Replace the top panel.

Section 9. Maintenance

If the heater is not going to be used for an extended period of time and in colder climates, follow seasonal shutdown instructions. See *Section 8.6, Performing Seasonal Shutdown* and *Figure 23*.

IMPORTANT MAINTENANCE NOTE:

We recommend that before each pool season, the Thermal Regulator Valve (TRV) be inspected for proper operation and replaced if there are signs of scaling or corrosion.

Corrosion and scaling are the result of improperly balanced water please see *Section 9.1.1, Saturation Index* for complete details on managing your water chemistry.

The TRV ensures the heater operates at it's optimal efficiency and if properly maintained will extend the life of the heater.

⚠ WARNING

Do not operate the heater if the water temperature is below 40°F (4°C)

- Short term operation of heater when temps are below 40°F can continue but continuous flow must be maintained.
- Prolonged operation with water below 50°F can seriously damage the heater and is not covered by warranty.

9.1 Water Chemistry

Proper Water Balance is the key to the enjoyment of your pool or spa experience and to the long life of your heater.

The pH of your pool or spa's water is one of the factors that has the most impact on indicating how properly balanced the water is. The other factors are: temperature, total alkalinity, calcium hardness and total dissolved solids. Cold water is typically more acidic (corrosive), while hot water tends to lead to a scale forming (basic) condition. While the heater is in operation, if the PH is allowed to rise above 7.8 and the calcium hardness and total alkalinity are not properly maintained; calcium in the water could lose solubility, coating the copper tubes inside the heat exchanger. This will restrict the flow of water resulting in reduced efficiency and possible damage to the heater.

If the pH is allowed to drop below 7.2, and the alkalinity is not properly maintained, the water will become more acidic. Acidic water has a tendency to dissolve metal components in the pool plumbing such as copper tubing in the heat exchanger.

Recommended Levels	Fiberglass Pools	Fiberglass Spas	Other Pool and Spa Types
Water Temperature	66-88 °F (20-31 °C)	89-104 °F (31-40 °C)	68-104 °F (20-40 °C)
pH	7.3 - 7.4	7.3 - 7.4	7.6 - 7.8
Total Alkalinity (ppm)	120 - 150	120 - 150	80 - 120
Calcium Hardness (ppm)	200 - 300	150 - 200	200 - 400
Salt (ppm)	4500 Maximum	4500 Maximum	4500 Maximum
Free Chlorine (ppm)*	2 - 3	2 - 3	2 - 3
Total Dissolved Solids (ppm)	3000 Maximum**	3000 Maximum**	3000 Maximum**

***Free Chlorine MUST NOT EXCEED 5 ppm!.**

****In saltwater chlorinated pools, the total TDS can be as high as 6000 ppm.**

Table 7. Pool Water Chemistry

9.1.1 Saturation Index

PH, Total Alkalinity (TA), temperature, Calcium Hardness and Total Dissolved Solids (TDS) play a role in whether the water is either corrosive or scale forming. These factors are combined in the Langelier Saturation Index, which is a method for determining whether or not water is properly balanced. See *Table 8* below.

Saturation Index = pH + AF + CF + TF -12.1*					
A-Factor = (AF), C-Factor = (CF), T-Factor = (TF)					
Total Alkalinity		Calcium Hardness		Temperature	
A-Factor		C-Factor		T-Factor	
PPM	Factor Value	PPM	Factor Value	°F	Factor Value
5	0.7	5	0.9	32	0.0
25	1.4	25	1.0	37	0.1
50	1.7	50	1.3	46	0.2
75	1.9	75	1.5	53	0.3
100	2.0	100	1.6	60	0.4
150	2.2	150	1.8	66	0.5
200	2.3	200	1.9	76	0.6
300	2.5	300	2.1	84	0.7
400	2.6	400	2.2	94	0.8
800	2.9	800	2.5	105	0.9
A saturation index of 0 is perfectly balanced A negative saturation index has corrosive tendencies A positive saturation index has scaling tendencies A saturation index of +0.3 or -0.3 is ideal *-12.1 should be changed to -12.2 if Total Dissolved Solids (TDS) measure at 1,000 ppm or greater					

Table 8. Water Saturation Index

The practice of putting tablet-based sanitizer in the skimmer basket can produce heavily chlorinated water with very low pH. If this comes in contact with metal parts of the heater it can cause serious damage. Practices like this should be discontinued.

If acidic conditions are present, there could be signs of metal in the pool water that could cause staining on the floor of your pool. This might manifest itself in the form of brown stains on the finish of your pool bottom or pool water discoloration. Your local pool dealer can test for metals in your water or can provide you with a test kit.

Every effort should be made to maintain the water balance of your pool or spa in the proper range. Ignoring this very important component of your pool's water chemistry can make the water less enjoyable to bathe in and result in permanent damage to your heater and/or complete failure of individual components.

Zodiac Pool Systems LLC does not warrant heat exchangers damaged by corrosive water issues or from the build-up of calcium in the heater's heat exchanger. Any questions regarding proper water balance can be directed to our product support line at Zodiac® or to your local pool dealer.

NOTE: The Thermal Regulator Valve (TRV) is an indicator of how well the water balance is being maintained. The TRV should be inspected before each pool season to ensure it is clean and operating properly. If you see signs of calcium buildup (scale-forming or base water) or corrosion (acidic water) the TRV should be replaced and your water balanced.

9.2 Swimming Pool Energy Saving Tips

Please review the following recommendations to help conserve fuel and minimize the cost of operating your pool heater without sacrificing comfort.

- The American Red Cross® recommends a maximum water temperature of 78°F (26°C). Use an accurate pool thermometer. A difference of 4°F (2°C), between 78°F and 82°F (26°C and 28°C), will use as much as 40% more gas.
- Carefully monitor the water temperature of your pool in the summertime. You can reduce heater usage due to warmer air temperatures.
- Find the proper setting on the pool heater temperature control and use the Set Point Lockout feature to discourage further adjustments.
- Set the pump time clock to start the pump no earlier than 6:00 AM. This is the time when nightly heat loss balances.
- If the pool is only going to be used on weekends, reduce the heater temperature control setting by 8 or 10 degrees during the week. Reset it to the 78°F (26°C) level a day or so before you plan to use the pool.
- During the winter or when on vacation for longer than a week, shut down the heater by following the shutdown instructions found in *Section 8.6, Performing Seasonal Shutdown* and *Figure 23* and on the inside of the heater.
- Where possible, shelter the pool from prevailing winds with well-trimmed hedges or other landscaping, cabanas, or fencing.
- The greatest source of heat loss in a swimming pool is through evaporation. It can account for 50% of pool systems total heat loss. The use of solar blankets, automatic covers or anything that limits the air's access to the surface of the water will help reduce this heat loss and minimize evaporation.

9.3 Winterizing

In areas where freezing temperatures occur in winter and the pool or spa will not be used, the pool should be winterized by a qualified pool service technician:

- Turn off the electrical supply and the main gas supply to the heater.
- Remove the heater access panel.

- Turn off gas supply to the heater following the shut-down instructions. See *Section 8.6, Performing Seasonal Shutdown* and *Figure 23*.
- Remove the drain plug from the inlet/outlet header and completely drain the heater before the first frost. See *Section 5.5.1, Install Pressure Relief Valve Kit R0336101* step "a".
- Inspect the gasket on the drain plug. Store the drain plug in a safe place for winter.
- Cover the exhaust vent grill with plastic so that snow will not accumulate and freeze on top of the combustion chamber.
- Remove and drain the copper tubing (siphon loop) for the water pressure switch.

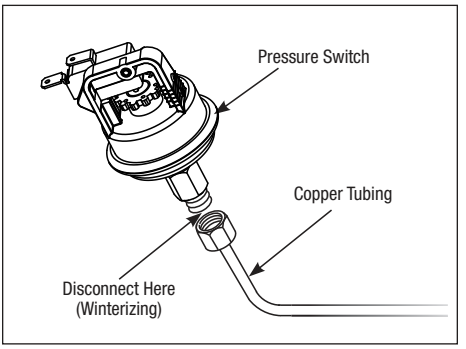


Figure 25. Water Pressure Switch Copper Tubing (Siphon Tube)

9.4 Spring Startup

When winterized, the heater should be reassembled by a qualified professional technician in the Spring.

- Reinstall the drain plug.
- Uncover the vent grill.
- Reattach copper tubing to water pressure switch.
- Make sure power is supplied to the pump.
- Turn on the filter pump and circulate water through the heater for 5 minutes. Check for leaks while circulating.
- Turn on the main gas supply to the heater at the gas valve outside the heater jacket.
- Turn on the heater according to *Section 8.4, Normal Operation* and *Figure 23*.

9.5 Inspection and Service

⚠ WARNING

Improper installation or maintenance can cause nausea or asphyxiation from carbon monoxide in flue gases which could result in severe injury, or death.

⚠ WARNING

For your safety, when starting the heater, keep your head and face away from any exhaust or inlet grill openings to prevent any risk of personal injury. Make sure all doors/ panels are securely in place and stand back from the heater.

The heater is designed and constructed to provide long performance life when installed and operated properly under normal conditions. Periodic inspections, especially at spring start-up, are important to keep your heater running safely and efficiently through the years. Zodiac Pool Systems LLC recommends that the homeowner inspect the heater on a regular basis (especially after abnormal weather conditions), and arrange to have a professional inspection at least once a year by a qualified service technician.

9.5.1 Guidelines for Homeowner Inspections

⚠ WARNING

Do not store or use gasoline or other flammable vapors, liquids or chemicals in the vicinity of this or any other appliance.

Do not use this heater if any part has been under water. Immediately call a qualified service technician to inspect the heater and replace any part of the control system and any gas control which has been under water.

To Reduce the Risk of Fire, install pool equipment in an area where leaves or other debris will not collect on or around the equipment. Keep surrounding area clear of all debris such as paper, leaves, pine-needles and other combustible materials.

- Ensure the top of the heater, under the heater, and surrounding area clear of all debris and combustible materials such as paper, leaves, etc.
- If there is a pressure relief valve, check for corrosion in and around the valve. If there is corrosion, contact a pool professional for replacement of the pressure relief valve.
- Once a year check that water is running freely through the pressure relief valve. To check, turn on the filter pump and lift the release lever on the top of the valve.
- Be sure combustion air and ventilation openings are not blocked.

9.5.2 Guidelines for Professional Inspection

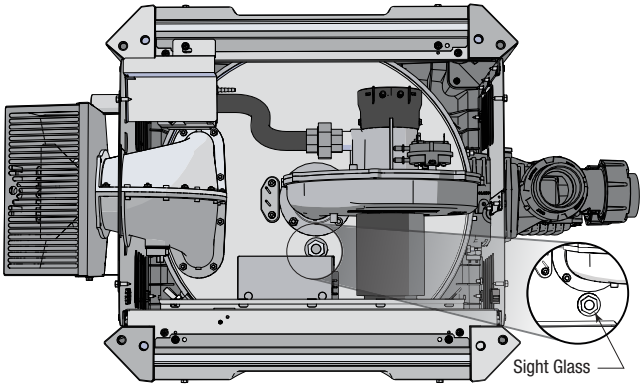
The following inspections should be made once a year or as needed. Routine inspections are a critical to the safety and long life of your Jandy pool equipment.

- Check for loose or broken wires and terminal connections.
- Check the water pressure switch by turning the filter pump off and on several times. The burner should go off immediately after the pump stops. The fan will run for 45 seconds after the burner shuts down.

⚠ CAUTION

If the heater is wired serially to or on the same relay as the filter pump, there is a chance that power will be disconnected to the heater before the fan is able to fully purge the combustion chamber. It is inadvisable to install the heater in a manner which would prevent this combustion chamber purge from taking place.

- An ignition sequence should start shortly after the pump is turned back on.
- Inspect the thermal regulator valve (TRV).
- Inspect the electrical controls, specifically:
  - High limit switches
  - Water pressure switch
  - Automatic gas valve
  - Power interface/Temperature control
  - Flue temperature sensor
  - Control circuit fuse
  - Ignition control
  - Air pressure switch
- Inspect the inlet grill at the blower for blockage, leakage, and corrosion.
- Inspect the combustion blower for damage.
- Conduct a normal operating cycle and observe that the sequence proceeds as intended.
- If the heater is equipped with a pressure relief valve, clean any accumulated corrosion and make sure that water runs freely when lever is lifted.
- Inspect combustion chamber and blower exterior for corrosion and indication of improper operation.
- Inspect electrical controls for deterioration. Repair and replace as necessary.
- Visually check the main burner flame. Remove the top of the heater to inspect the sight glass. See *Figure 26*.



View With Heater Top Panel Removed

Figure 26. Remove Heater Top to View Sight Glass

Section 10. Troubleshooting

10.1 Common Problems

Zodiac Pool Systems LLC strongly recommends that you call a qualified service technician to perform all service and repairs on the heater. To locate a licensed or qualified technician service company, call Jandy Technical Support at 1.800.822.7933, or visit www.jandy.com.

The following table lists some of the most common problems when running the heater. Most problems occur when the heater is started for the first time after installation or at spring start-up.

Symptom	Possible Cause	Remedy
Pump not operating	No power. Pump defective. Incorrectly wired. Time clock settings not synchronized with actual time.	Check circuit breakers and power source. Replace the pump. Recheck wiring. Check time clock setting.
Unstable combustion (1) heater turns off and on (2) heater ignites slowly (3) flame lifts and goes out (4) short yellow streaked flame	Wrong gas. Lean fuel/air mixture — low supply pressure. Lean fuel/air mixture — too much combustion air. Rich fuel/air mixture — high manifold pressure. Rich fuel/air mixture — too little combustion air.	Make sure the gas supply matches the gas type indicated on the rating plate. Correct gas supply inlet pressure to: - (NATURAL GAS) 4.0 in W.C. min - 10.5 in W.C. max - (PROPANE) 4.0 in W.C. min - 14.0 in W.C. max Offset pressure should be -0.2 in W.C. Use a digital differential manometer to verify correct offset pressure. Adjust offset pressure as needed. Connect a digital differential manometer to blower throat and gas valve port to obtain differential. Make sure the differential value falls within the specified range for the heater size. Gas meter too small. Gas line from meter to heater too small. Check blower inlet grill for obstruction.
Not enough heat (1) heater is slow to heat up (2) heater not maintaining set temperature (3) Low temperature rise	Heater size inadequate. Filter pump not running long enough. Thermal regulator valve (TRV) is opening early or is permanently open. Heater plumbed backwards.	Replace with heater of higher output. Replace TRV. Heater is condensing. Flue product moisture will condense at the start-up until the heater water temperature reaches the normal operating conditions. Correct the plumbing.
Heater pounding or knocking	Water flow through heater too low. Failed Thermal Regulating Valve (TRV).	Look for obstruction or closed valve in system. Check for damaged internal bypass. Variable speed pump set too low Dirty filter or baskets
Igniter lights but heater does not fire	Gas valve is not ON. Air in gas line. No power to gas valve. Low gas pressure/volume. High burner throat pressure. Gas valve failed.	Flip the switch to “on” position. Cycle ignition sequence until air is out of the gas line. Check controls for proper operation. Check supply pressure/volume and verify proper gas supply pipe size. Replace gas valve. **NOTE:** Gas valve failures are extremely rare. Please confirm this as the root problem before replacing.

10.2 Service Diagnostic Messages

The controller monitors several functions of the heater. In the event of a malfunction, the controller will display a FAULT message. The following table lists the Heater Service Messages along with potential causes and remedies.

Fault Message	Possible Cause	Remedy
CHECK FLOW	Pump is not running. Low pump pressure. Pressure switch fault. Variable speed pump set too low.	Check breakers and power source, recheck wiring, set time clock and current time. Clean filter or clear blockage, check position of valve in plumbing system. Make sure return eyeball fittings are installed on the wall of the pool. Adjust or replace pressure switch. Adjust variable speed pump. Refer to qualified service personnel.
FAULT- HIGH LIMIT	Water temperature in heater exceeds the internal limit. Limit switch fault.	Inspect vent for obstructions or blockages. Indoor installations, check vent pipe for bird, insect or rodent activity that could cause a blockage. Replace switches. Refer to qualified service personnel.
FAULT - HIGH FLUE TEMPERATURE	Flue temp limit fault	Contact a service professional to review fault condition. Identify and correct loose connections. Replace flue sensor. Refer to qualified service personnel.
FAULT- CHECK IGN CONTROL	Broken, split, pinched or disconnected air pressure switch tubing. Fan not operating. Fan running slow Premature fan failure. Air flow restricted at intake or discharge. Broken igniter. Low gas supply pressure/volume. No flame at burner.	Check tubing and replace if necessary. Correct fault or replace fan. Replace igniter. Verify proper wiring for 120 VAC or 240 VAC. Check for proper clearances around heater and for adequate room ventilation if enclosed. Inspect for blockage or restriction at discharge of flue. Check ignition control LED codes (see *Section 10.3, Ignition Control LED Service Codes*). Verify that the size, length and number of elbows on the gas supply line meet national codes. Identify and correct loose wiring connections, or problems with igniter, gas valve, or ignition control. Refer to qualified service personnel.
FAULT- SHORTED H2O SENSOR or FAULT- OPEN WATER SENSOR	Faulty wiring or connection. Failed water temperature sensor.	Inspect water temperature sensor wiring. Ensure sensor is connected correctly into the power interface board (PIB). Replace water temperature sensor. Refer to qualified service personnel.
FAULT- PUMP	Status message indicating the filter pump is currently turned OFF when the heater system programmed in Maintain Temp mode.	No Service Required. This is normal when the control is in a Maintain Temp mode.
AUX Monitor		Check VersaFlo

10.3 Ignition Control LED Service Codes

In addition to service diagnostic messages, the ignition controller has an LED light that flashes to indicate various ignition control faults. The table below lists the LED codes and the corresponding fault description. To diagnose possible cause and remedy, refer to *Section 10.2, Service Diagnostic Messages*.

LED Code	Fault Description
The LED light is on continuously.	Ignition Control Fault. Refer to qualified service personnel.
LED single flash.	Air flow fault.
LED double flash.	Flame exists when there is NO call for heat. Refer to qualified service personnel.
LED triple flash.	Ignition lockout (heater has made three (3) unsuccessful attempts to fire and is in a soft lockout condition).

Section 11. Professional Service and Maintenance

Call a qualified service technician to perform all service and repairs on the heater. To locate a licensed or qualified technician or independent service company in your area, contact Zodiac Technical Support at:

1.800.822.7933
www.jandy.com

Before servicing the heater:

- Confirm that the heater control is set to either POOL or SPA
- Confirm the temperature set point for either Pool or Spa is set high enough to make the heater operate given the current water temperature.

⚠ WARNING

SERVICING SAFETY

Service procedures can be hazardous because they involve fuel gas, electricity, moving parts and procedures which require testing or temporary bypass of safety controls. For this reason, the heater must be serviced only by a qualified professional service technician.

IMPROPER SERVICE HAZARD

The heater incorporates unique design features. Incorrect service of this heater can result in personal injury or damage to property. To avoid such hazards, the heater must be serviced only by a qualified professional service technician.

11.1 Header Bypass Reassembly Recommendations

If you need to remove the access cover or the VersaFlo housing from the header, use the following torque process to re-install them to the header. Start each screw by hand and then follow the torque pattern detailed below.

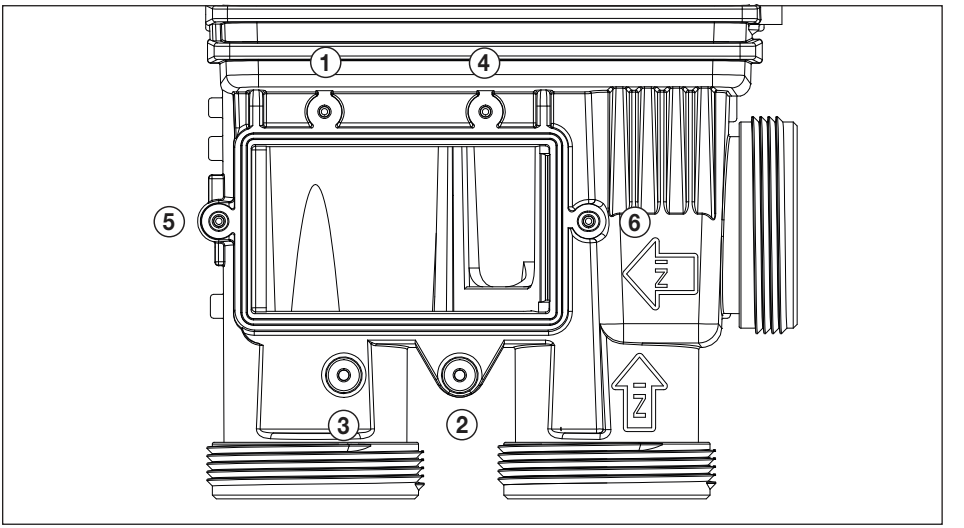


Figure 27. Header Bypass Reassembly Torque Pattern

Section 12. Spare Parts

Using genuine Zodiac factory replacement parts helps to ensure the ongoing quality and reliability of our products.

Unauthentic parts might seem okay on the surface, but they often fall short of factory standards, and they typically lack the backing you get from an established, global manufacturer like Zodiac. Plus, the use of unauthentic parts voids all factory warranties.

Zodiac does not sell parts directly to pool owners, so when it's time for maintenance, please see your local Preferred Professional Provider (PPP) of genuine parts. You can find a PPP at www.zodiacpoolsystems.com/parts.

NOTE: To identify the correct part, you will need to know the model number, serial number and type of gas when applicable. This information can be found on the rating plate sticker, which is located inside the heater on the outside of the combustion chamber.

12.1 Major Components

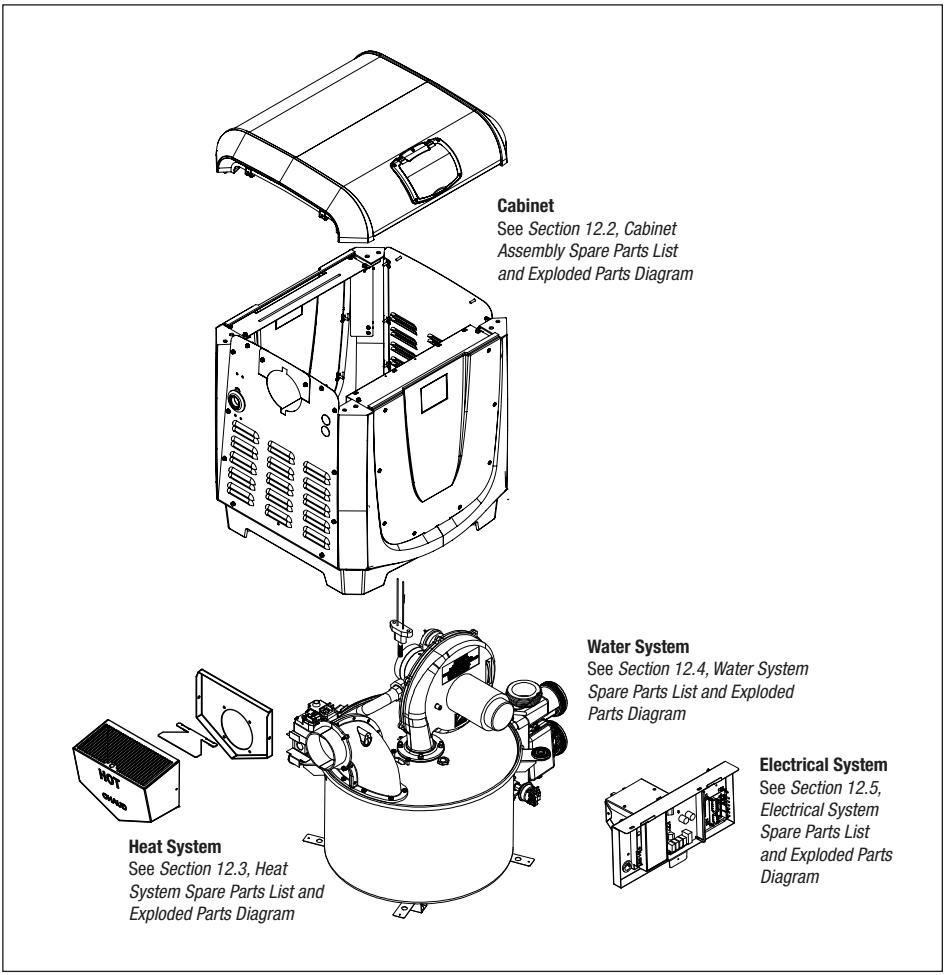


Figure 28. Heater Major Components

12.2 Cabinet Assembly Spare Parts List and Exploded Parts Diagram

For ASME heater models JXi400NC, JXi400PC, JXi260NC and JXi260PC please go to Section 13, Appendix A. ASME Header.

Key No	Description	Model 200	Model 260	Model 400
1	Heater Jacket Top Kit (no User Interface)	R0592400	R0592400	R0592400
2	Corner Post Kit, Left/Right (set of 2)	R0592500	R0592500	R0592500
3	Heater Base Kit	R0592600	R0592600	R0592600
4	Front or Back Panel Kit	R0592700	R0592700	R0592700
5	Side Panel Kit*	R0592900	R0592900	R0592900
6	Vent Terminal Housing Kit	R0593100	R0593100	R0593100
7	Jacket Hardware Kit	R0593300	R0593300	R0593300
8	Anchor Brackets Kit (set of 4)	R0593400	R0593400	R0593400
9	Jacket Hole Plug Kit	R0591800	R0591800	R0591800
10**	Complete Replacement Box Packaging Kit	R0593600	R0593600	R0593600

*Includes: Exhaust side panel, top panel closure, anti rotation bracket and access door. Header side panel LH, Header side panel RH.

** Not Shown

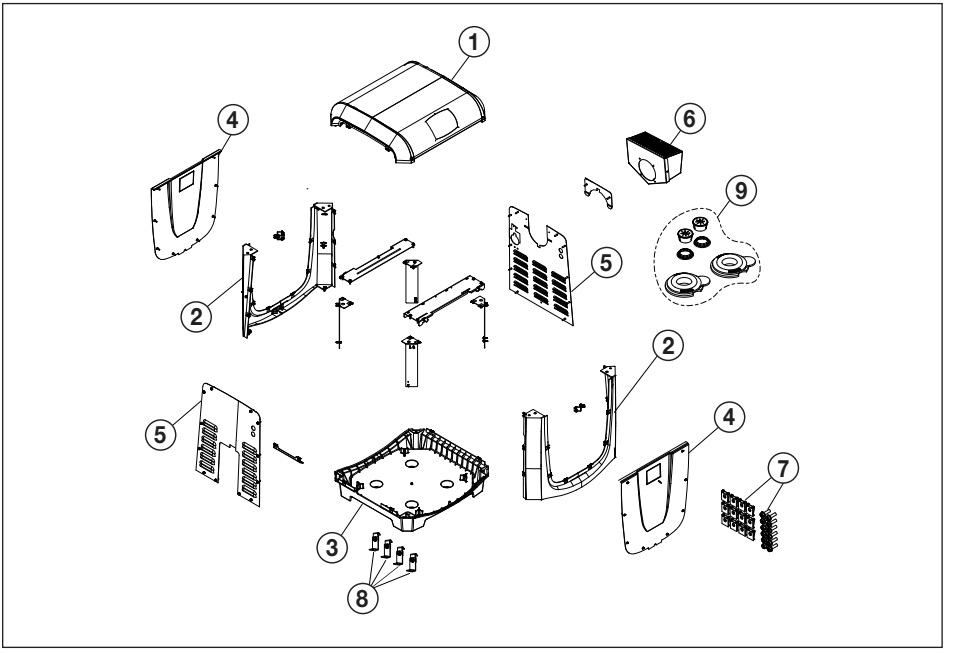


Figure 29. Cabinet Assembly Components

12.3 Heat System Spare Parts List and Exploded Parts Diagram

The following JXi Models are equipped with a Cupronickel (CuNi) heat exchanger:

- JXI260NN
- JXI400NN
- JXI260PN
- JXI400PN

12.3.1 Combustion Chamber Assembly

For ASME heater models JXi400NC, JXi400PC, JXi260NC and JXi260PC please go to Section 13, Appendix A. ASME Header.

Key No	Description	Model 200	Model 260	Model 260 CuNi	Model 400	Model 400 CuNi
1	Exhaust Elbow Assembly Kit	R0590200	R0590200	R0590200	R0590200	R0590200
2	Band Clamp Kit	R0590400	R0590400	R0590400	R0590400	R0590400
3	Refractory Kit, Internal	R0590500	R0590500	R0590500	R0590500	R0590500
4	Combustion Chamber Shelf (set of 2: Models 200, 260)	R0590700	R0590700	R0590700	N/A	N/A
5	Combustion Chamber Lid Kit	R0590800	R0590800	R0590800	R0590800	R0590800
6	Gasket Kit	R0590900	R0590900	R0590900	R0590900	R0590900
7	Sight Glass Kit	R0305400	R0305400	R0305400	R0305400	R0305400
8	Igniter Kit	R0457502	R0457502	R0457502	R0457502	R0457502
9	Insulation Kit, External	R0591000	R0591000	R0591000	R0591000	R0591000
10	Isolator Kit (Thermal)	R0593200	R0593200	R0593200	R0593200	R0593200
11	Heat Exchange Assembly	R0589402	R0589403	R0746903	R0589405	R0746905
12	Combustion Chamber Assembly (Includes Header)	N/A	R0805803	N/A	R0805805	N/A

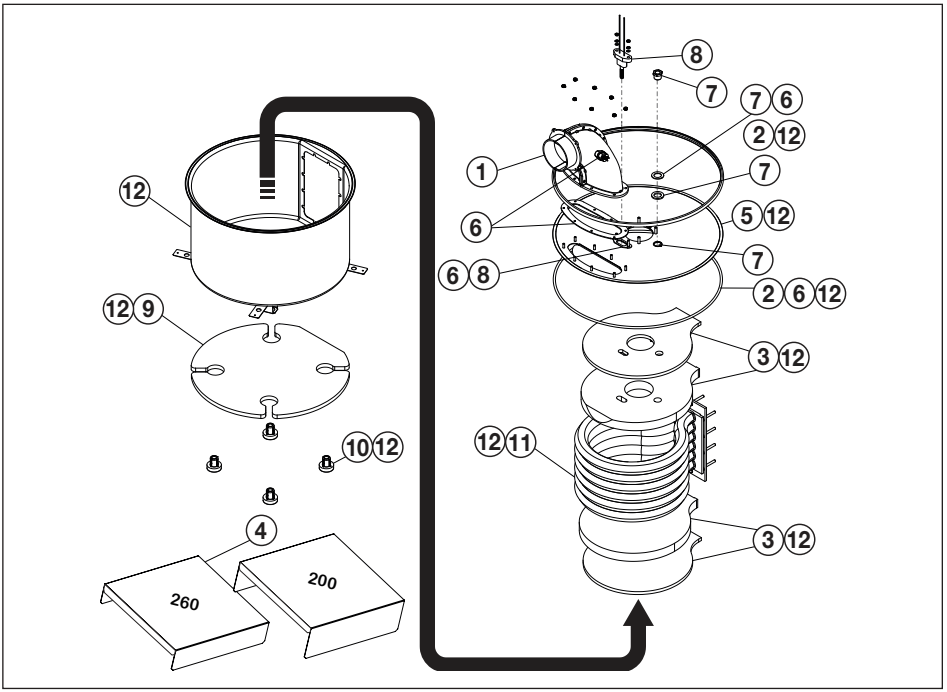


Figure 30. Combustion Chamber Components

12.3.2 Burner Assembly

Key No	Description	Model 200		Model 260		Model 400	
		*N	**LP	N	LP	N	LP
1	Blower Assembly Kit	R0591100	R0591100	R0591100	R0591100	R0591100	R0591100
2	Air Intake Grate Kit	R0591200	R0591200	R0591200	R0591200	R0591200	R0591200
3	Blower Intake Orifice Kit	R0591302	R0591312	R0591303	R0591313	R0591305	R0591315
4	Fuel Orifice Kit	R0591601	R0591605	R0591602	R0591606	R0591604	R0591608
5	Gas Valve	R0591400	R0591400	R0591400	R0591400	R0591400	R0591400
6	Burner Kit	R0591702	R0591702	R0591703	R0591703	R0591705	R0591705
7	Capacitor Kit	R0614500	R0614500	R0614500	R0614500	R0614500	R0614500

* N - Natural Gas
**LP - Liquid Propane

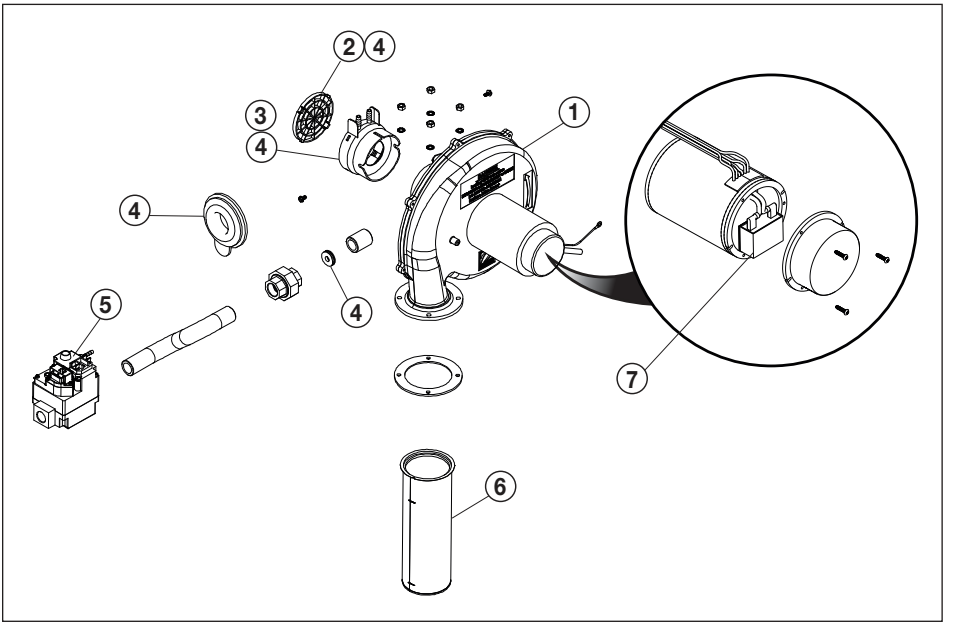


Figure 31. Burner Components

12.4 Water System Spare Parts List and Exploded Parts Diagram

For ASME heater models JXi400NC, JXi400PC, JXi260NC and JXi260PC please go to Section 13, Appendix A. ASME Header.

Key No	Description	Model 200	Model 260	Model 400
1	Access Door Kit (with O-Ring Seal and Screws)	R0589600	R0589600	R0589600
1a	VersaFlo Bypass (Optional Accessory)	JXIVFKIT	JXIVFKIT	JXIVFKIT
2	Thermal Regulator Valve Kit (TRV)	R0589700	R0589700	R0589700
3	Bypass Kit	R0589800	R0589800	R0589800
4	Drain Plug Kit	R0446000	R0446000	R0446000
5	Gasket and Seals Kit	R0589500	R0589500	R0589500
6	Manifold Backplate Kit	R0590002	R0590003	R0590005
7	Manifold, 3 Port (no backplate included; must order separately)	R0590100	R0590100	R0590100
8	Water Pressure Switch Kit	R0457001	R0457001	R0457001
9	Goody Bag Kit†	R0593500	R0593500	R0593500
10	Universal Half Union Kit (1 Ea, requires 2 kits for full unit replacement)	R0522900	R0522900	R0522900
11	Sweep Elbow AquaLink® Temp Sensor	SEAQL1001	SEAQL1001	SEAQL1001
12	Drain Cap Assembly Kit	R0523000	R0523000	R0523000
13	Pressure Relief Valve (PRV) Install Kit	R0336101	R0336101	R0336101
14	Flow Plate Assembly	R0725201	R0725202	R0725203

† Goody Bag Kit Also Includes the Installation and Operation Manual and the Universal Controller Quick Guide

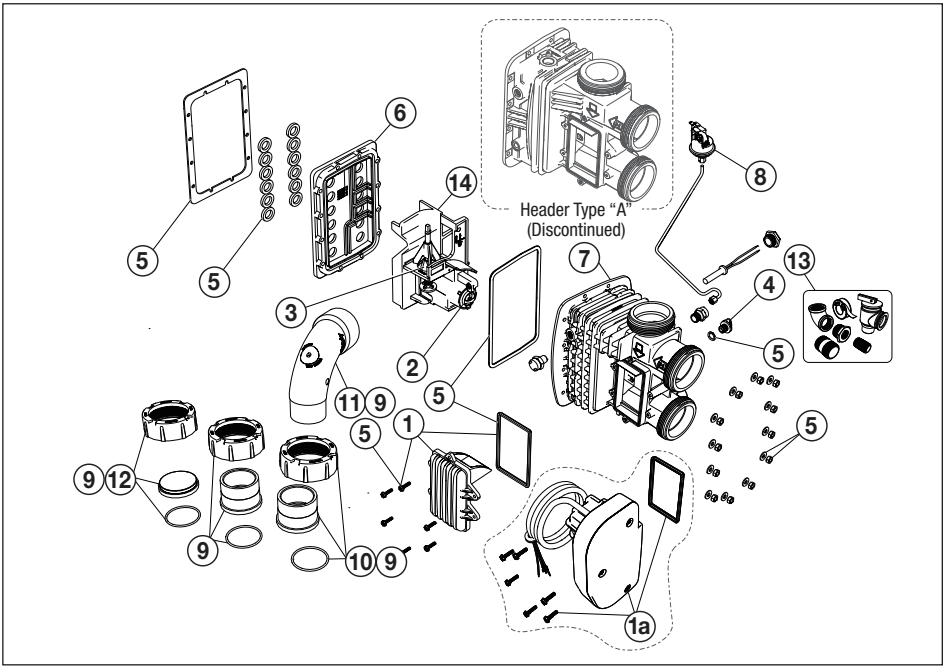


Figure 32. Water System Components