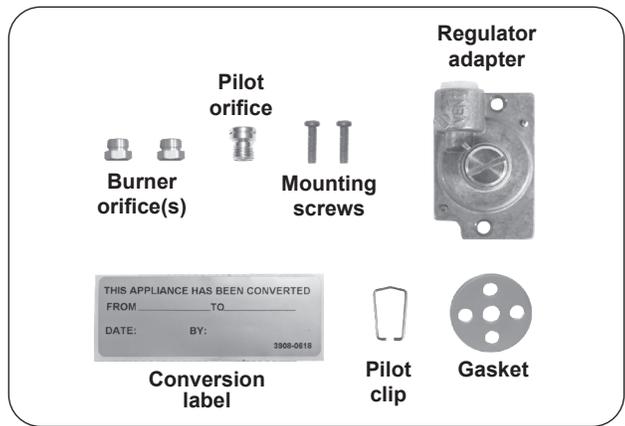




Pizza Oven Conversion Kit

INSTALLER: Leave these instructions with consumer.
CONSUMER: Retain for future reference.



Conversion Type	Conversion Kit Model #
From Propane to Natural Gas	25386-24
From Natural to Propane Gas	25386-24P

Table 1

WHEN CONVERTING TO A NEW GAS TYPE, THE ENCLOSURE MUST HAVE PROPER VENTILATION FOR THE NEW GAS TYPE. See the ENCLOSURE REQUIREMENTS section of the pizza oven owner's manual for complete details.



Fig. 1-1 Remove pizza stone

This conversion kit is only for installation on a Fire Magic Pizza Oven **by a qualified professional service technician.**

Note: Once the original regulator adapter on the control valve is removed, it cannot be reused.

WARNING: This conversion kit must ONLY be installed on a Fire Magic Pizza Oven. The installation of this conversion kit must only be performed by a qualified professional service technician.

Correct operation of the system cannot be guaranteed if the conversion kit or valve has been dropped or has sustained a strong impact.

Installation should be performed in a clean environment.

TOOLS REQUIRED: Phillips screwdriver, magnetized flathead screwdriver, 3/8" nut driver, 1/4" nut driver, 5/16" nut driver, and appropriate tools required to detach control box (if applicable)

The technician should reference the main owner's manual (provided with the pizza oven) to assist in the removal and replacement of parts involved in this procedure. Wear clean non-marking gloves.

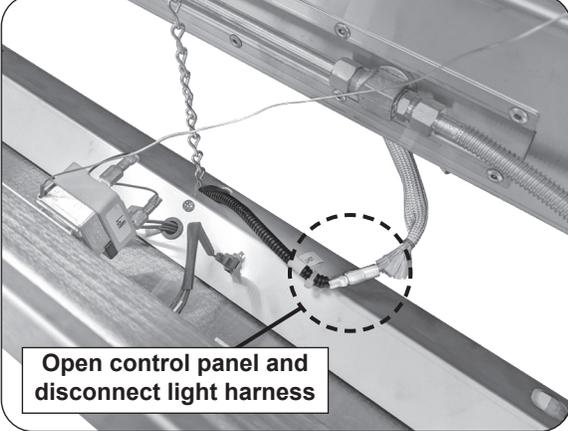


Fig. 1-2 Disconnect oven light harness

REMOVE PIZZA OVEN COMPONENTS

Ensure the pizza oven is completely cool, the control knob is in the off position, the gas supply to the unit is turned off, the power switch is off, and the power supply is disconnected.

Remove Pizza stone

Remove the pizza stone (Fig. 1-1). See the PIZZA STONE REMOVAL section of the pizza oven owner's manual for details.

Remove Oven Hood

1. Open the control panel. See CONTROL PANEL REMOVAL section of the pizza oven owner's manual for details.
2. Disconnect the oven light harness (see Fig. 1-2).

Remove Oven Hood (Continued)

3. Using a Phillips screwdriver, remove the two front screws located just below the left and right sides of the oven door. See Fig. 2-1.
4. Open the oven door. Locate and remove the three $\frac{5}{16}$ " hex screws at the rear of the oven. See Fig. 2-2.
5. Close the oven door, then lift the oven hood up and outward, being careful to not damage the oven light wire while lifting out. Set the hood aside.

CAUTION: THE OVEN HOOD IS HEAVY AND REQUIRES TWO PEOPLE TO SAFELY REMOVE THE HOOD.

Important: Be careful to not rest the oven hood on the oven light wire when setting it down.

Remove Heat Distribution Grid

1. Locate the heat distribution grid (see Fig. 2-2).
2. Loosen (do not fully remove) the two $\frac{5}{16}$ " hex screws and remove the distribution grid by lifting up, then outward.

Remove Burners

Remove both burners. See the BURNER REMOVAL section of the pizza oven owner's manual for details.

BURNER ORIFICE CONVERSION

1. Locate the burner orifices found inside the two cutouts on the front oven firewall.
2. Use a $\frac{3}{8}$ " hex nut driver to remove the exposed orifices (See Fig. 2-3).
3. Replace the old orifices with the new orifices for the new gas type. Tighten securely.

PILOT ORIFICE CONVERSION

Note: Ensure the two burners are still removed.

1. Locate the pilot assembly. Remove and discard the pilot clip (see Fig. 2-4).

Note: It may be needed to use a small flathead screwdriver.

2. Detach the pilot head and let rest via the attached ground wire (see Fig. 2-5).

CAUTION: Do not separate the ground wire from the pilot head.

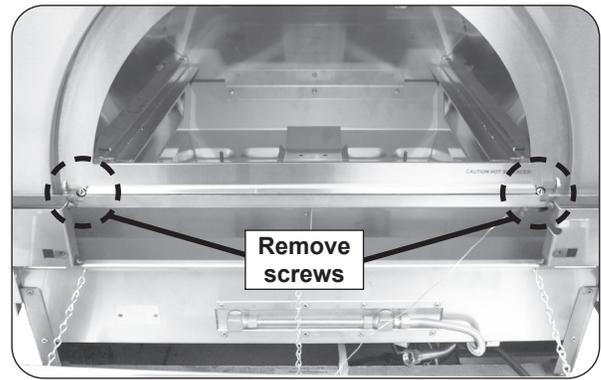


Fig. 2-1 Remove hood - front screws

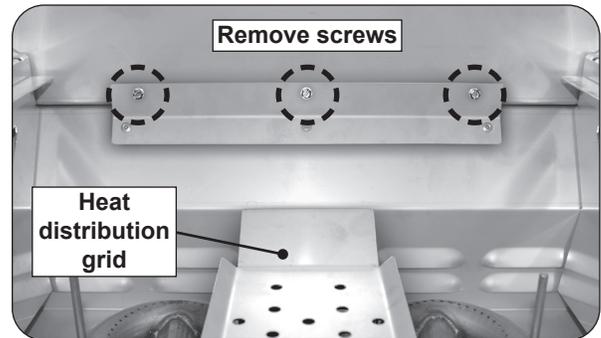


Fig. 2-2 Remove hood - inner screws

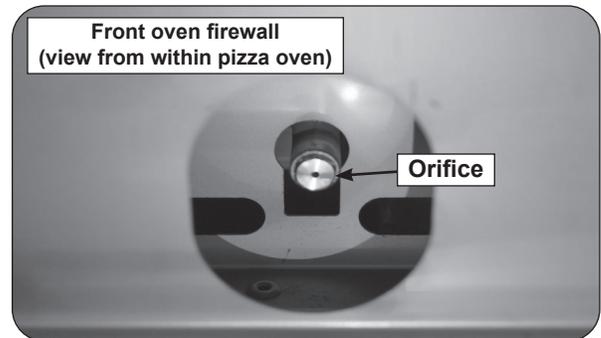


Fig. 2-3 Convert burner orifices

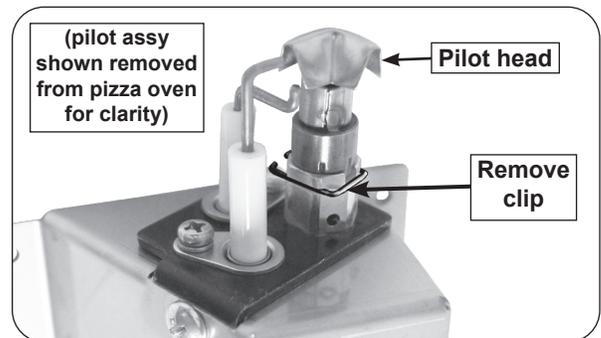


Fig. 2-4 Remove pilot clip

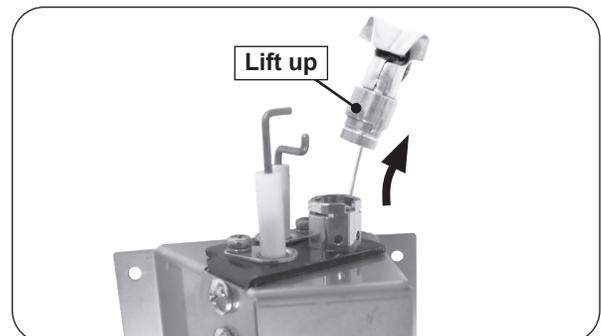


Fig. 2-5 Remove pilot head

PILOT ORIFICE CONVERSION (Continued)

3. Using a magnetized flathead screwdriver, unscrew and remove the pilot orifice (see Fig. 3-1).
4. Insert the new pilot orifice and tighten (see Fig. 3-1).
5. Replace the pilot head (see Fig. 3-2).
6. Ensure the pilot head is properly aligned (see Fig. 3-3).
7. Install the new pilot clip included with the conversion kit (see Fig. 3-4).

REINSTALL BURNERS

At this stage, the burners and burner clips can now be reinstalled. Do not reinstall any other components.

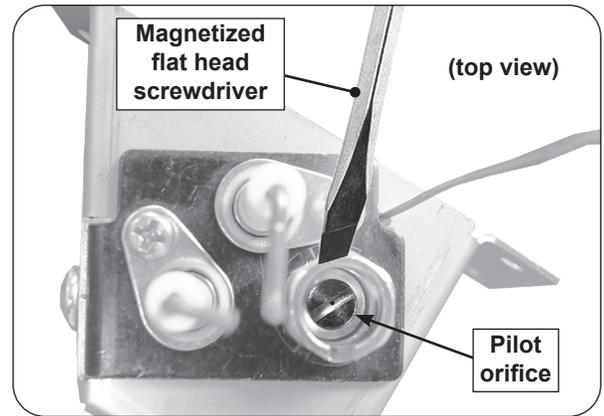


Fig. 3-1 Remove old and install new pilot orifice

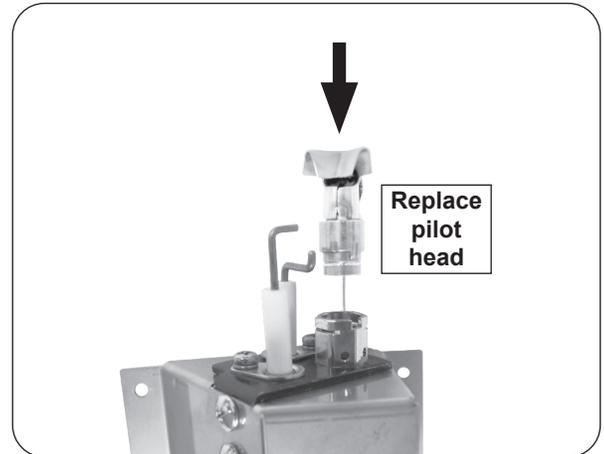


Fig. 3-2 Replace pilot head

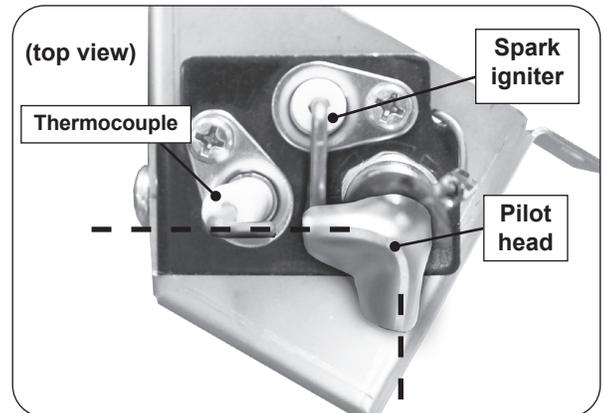


Fig. 3-3 Ensure pilot head properly aligned

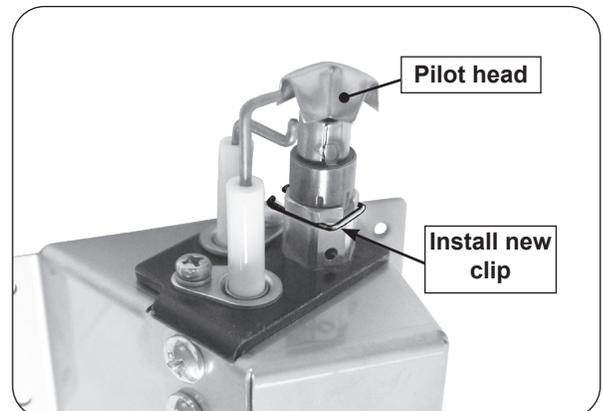


Fig. 3-4 Install new pilot clip

VALVE REGULATOR CONVERSION

Important: If the unit is currently installed into an enclosure: It is recommended to fully disconnect and remove the control box from within the enclosure. Proceed to step 1 below.

If the unit is NOT currently installed into an enclosure: Disconnecting the control box may not be necessary. If the control box is currently accessible to rest on a steady surface, skip to step 3 below.

1. Locate and disconnect all the gas and electrical connections from the control box (see Fig. 4-1).
2. Detach and remove the control box from the enclosure (using the appropriate tools).
3. Set the control box on a steady, flat, clean surface.
4. Open the control box by removing the two 1/4" hex screws and opening the cover plate (see Fig. 4-1).

Note: It may be needed to detach the power supply from the control box for additional access.

5. Locate and insert the MODULE and PWR wire terminals into the box by squeezing the side tabs inwards and pushing the terminals inward through the cutouts (see Fig. 4-2). This will provide easier access to the control valve.
6. Loosen the screw and detach the two ground wires from the control valve with a Phillips screwdriver (see Fig. 4-3).
7. Use a small Phillips screwdriver to remove the two screws on the regulator adapter (see Fig. 4-4).
8. Carefully pull the regulator adapter away. **Discard** the old regulator, screws, and rubber gasket (see Fig. 4-5).

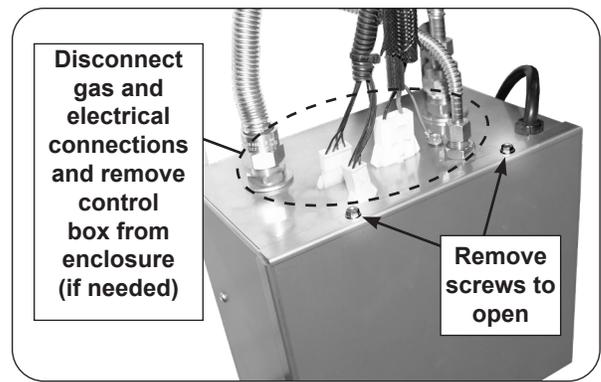


Fig. 4-1 Access control box

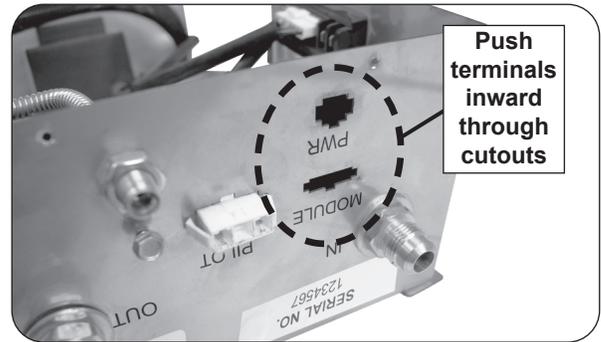


Fig. 4-2 Insert terminals into box

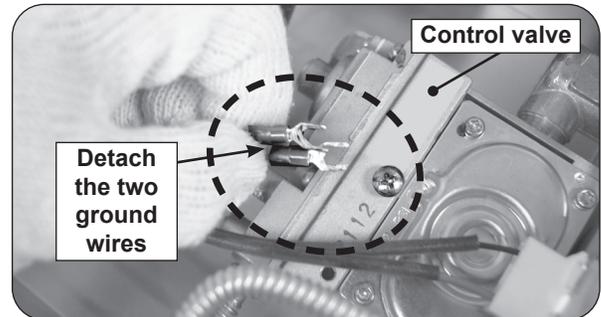


Fig. 4-3 Detach two ground wires

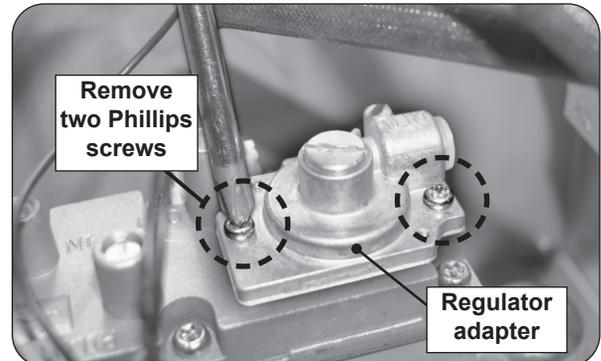


Fig. 4-4 Unfasten regulator adapter

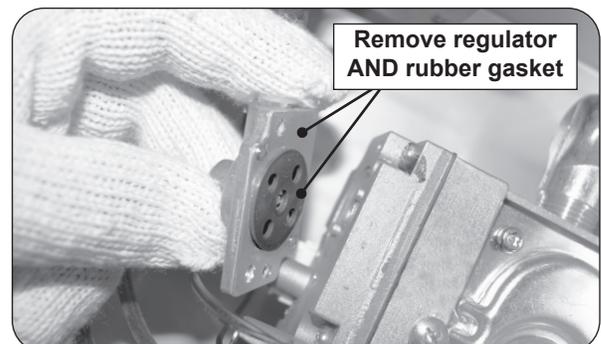


Fig. 4-5 Remove old regulator adapter

VALVE REGULATOR CONVERSION (Continued)

9. Insert the new rubber gasket into the valve. It must rest flat and be aligned over the two small pegs on the valve (see Fig. 5-1).

CAUTION: The gasket must be properly installed and must not fall out or move during installation to prevent a gas leak.

10. Use the provided screws and a small Phillips screwdriver to install the new regulator adapter onto the valve body (see Fig. 5-2).

CAUTION: Place the regulator gently, ensuring the gasket remains in place.

CAUTION: In the event that the threads of the valve are stripped or damaged, **REPLACE** the control valve (see ECHELON PIZZA OVEN REPLACEMENT PARTS LIST of the pizza oven owner's manual for the control valve part number and contact your dealer).

11. Re-secure the two ground wires to the valve and push the MODULE and PWR terminals back into their designated cutouts.

12. Temporarily close the box cover plate (don't use the screws yet), and reconnect all gas and electrical connections to the control box (see Fig. 5-3).

Note: Ensure all connections are tightened securely.

APPLY CONVERSION LABEL

Fill out the supplied conversion label, then apply it to the control box over the existing gas type markings (see Fig. 5-3).

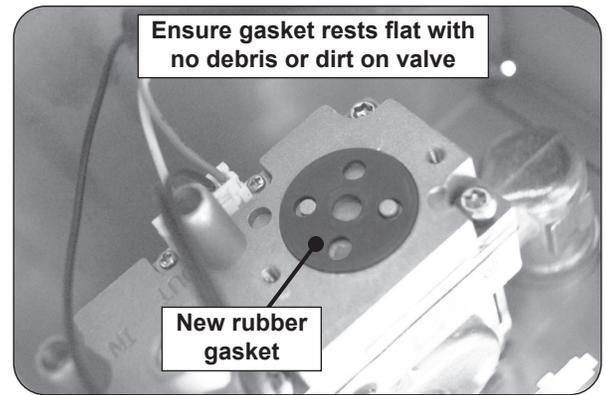


Fig. 5-1 Insert new rubber gasket

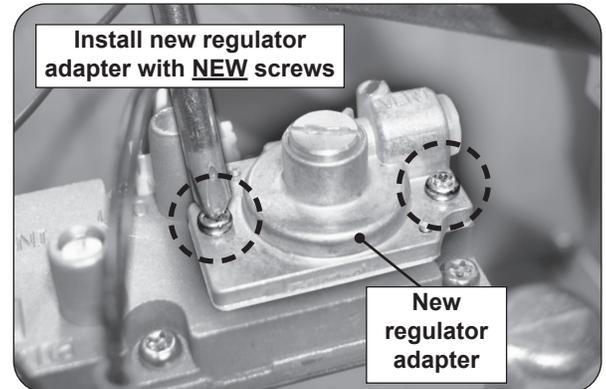


Fig. 5-2 Fasten new regulator adapter

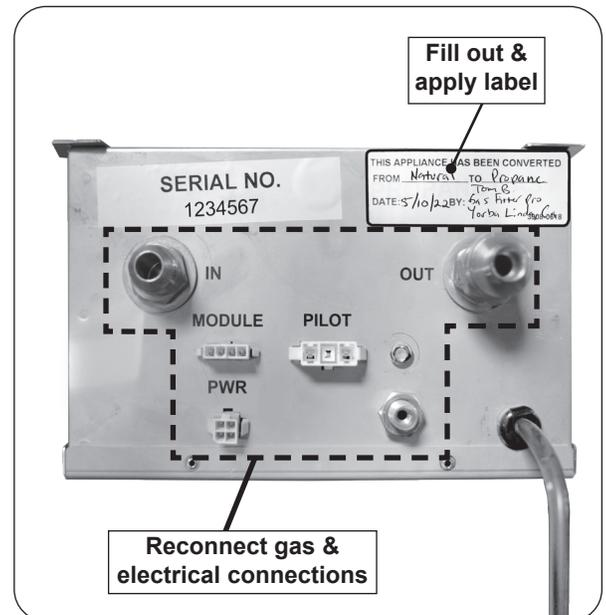


Fig. 5-3 Reconnect box and apply label

LEAK TEST

1. Close the control panel, and connect the power supply to a power source.
2. Turn the control knob to the **OFF** position.
3. Turn on the gas supply, turn on the burners and test all the newly made gas connections for leaks using a gas leak detector.

When leak testing, make sure to test:

- Pilot
 - New regulator adapter
 - **ALL** gas re-connections made on top of the control box
4. Turn off the gas and tighten at all connections. Repeat until no leaks are present. If a leak persists, turn off the gas supply and contact the local gas company or dealer. **NEVER USE A FLAME TO CHECK FOR LEAKS.**

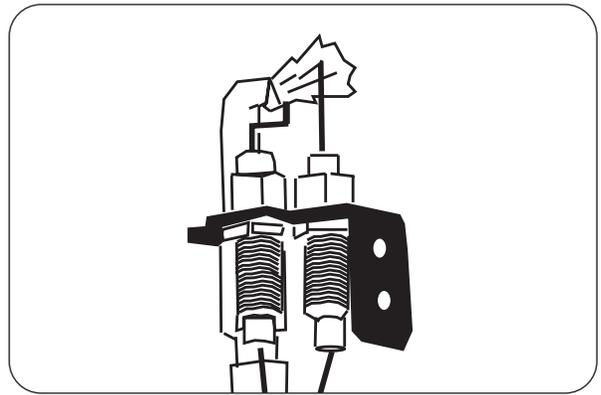


Fig. 6-1 Proper pilot appearance

LIGHTING TEST

A lighting test is necessary to inspect for proper pilot and burner flames.

1. See the LIGHTING TEST section of the pizza oven owner's manual for complete details.
2. Once testing is complete, turn off the gas supply and disconnect the power supply.

REINSTALL COMPONENTS

CAUTION: Ensure the pizza oven is OFF and completely cool prior to reinstalling any components.

Control Box

1. Close the control box cover plate and secure with the two screws.
2. Mount the control box to the interior of the pizza oven enclosure using appropriate hardware (not included). Reference INSTALL CONTROL BOX section of the pizza oven owner's manual if needed.

Pizza Oven Components

Reinstall the remaining components in this order:

- Heat distribution grid
- Oven hood (control panel will need to be opened before reinstalling hood)
- Reconnect oven light wire
- Close control panel
- Replace pizza stone assembly