

Advanced Heating and Hot Water Systems

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IGNITER REPLACEMENT FOR THE MUNCHKIN BOILER (Part # 7250P-058)

STOP! Read these instructions or warranty will be void!

INCLUDED IN KIT

- (1) Igniter
- (1) Gasket
- (1) Instruction Sheet

TOOLS REQUIRED (NOT INCLUDED)

- Round File
- Phillips Head Screwdriver

⚠ DANGER

This installation shall be done by a qualified service agency in accordance with these instructions, all applicable codes, and requirements of the authority having jurisdiction. Failure to follow these instructions will result in substantial property damage, severe personal injury, or death.

⚠ DANGER

IF THE INFORMATION IN THIS MANUAL IS NOT FOLLOWED EXACTLY, A FIRE OR EXPLOSION MAY RESULT, CAUSING PROPERTY DAMAGE, PERSONAL INJURY, OR LOSS OF LIFE. DO NOT STORE GASOLINE OR OTHER FLAMMABLE VAPORS AND LIQUIDS IN THE VICINITY OF THIS OR ANY OTHER APPLIANCE.

WHAT TO DO IF YOU SMELL GAS

- Do not try to light any appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department. Installation and service must be provided by a qualified installer, service agency, or the gas supplier.

STEP 1: PREPARATION

1. Turn off all electrical power to the boiler – both at the boiler, and at the circuit breaker. Remove boiler cover.

⚠ DANGER

DO NOT proceed with installation if the boiler remains powered. Failure to follow this warning will result in property damage, serious personal injury, or death.

2. Shut off gas supply to the boiler at the gas cock.

⚠ WARNING

Ensure gas supply to the boiler is shut off before continuing with igniter removal and replacement. Failure to do so could result in property damage, serious personal injury, or death.

3. If the boiler has been operating recently, ensure it has had sufficient time to cool before proceeding.

⚠ WARNING

Wait until boiler has had sufficient time to cool before proceeding with the installation. Failure to follow this warning could result in property damage, serious personal injury, or death.

STEP 2: REMOVE THE IGNITER

1. Remove the spark electrode wire from the igniter.
2. Depending on the boiler model, the igniter and plate will be the "old" (Figure 1) or "new" style (Figure 2).
3. Use a Phillips Head screwdriver to remove the mounting screws from the igniter.

NOTE: DO NOT LOSE THESE SCREWS. NEW SCREWS ARE NOT INCLUDED IN THIS KIT.

4. Remove the igniter.
5. Clean any debris from the igniter mounting surface.

NOTE: If the boiler has the "new" igniter and plate, skip ahead to *Step 3: Install the Igniter*.

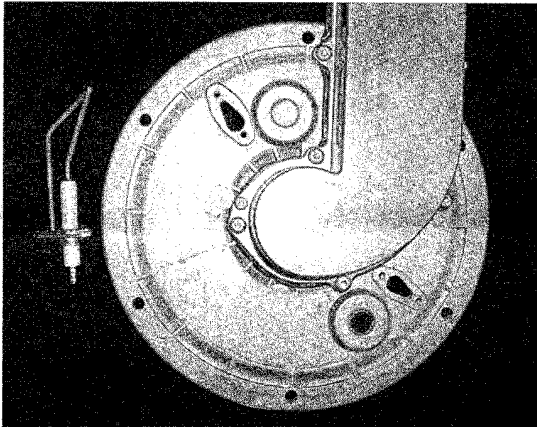


Figure 1 – Old Style Igniter and Plate

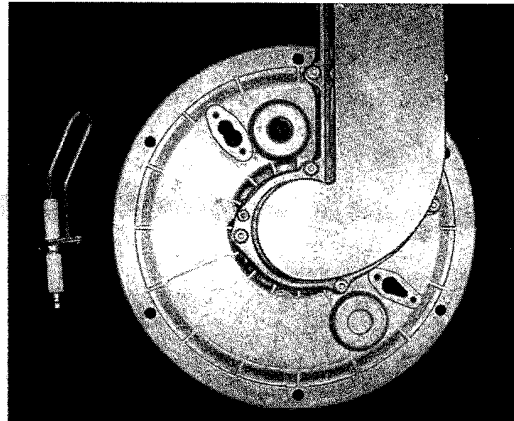


Figure 2 – New Style Igniter and Plate

6. On boilers with "old" style igniters and plates, use a round file to open the existing igniter hole to a round, 3/8" opening to accept the new igniter. See Figure 3.

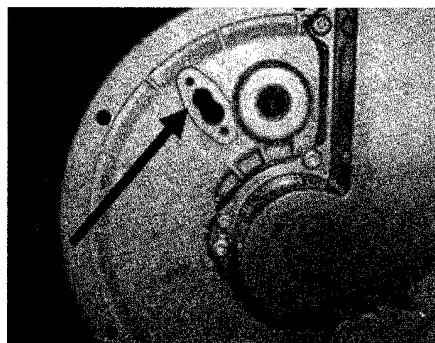


Figure 3 – Plate with 3/8" Filed Opening

7. Clean any filing debris from the boiler. Ensure the igniter mounting surface is clean.

⚠ WARNING

Failure to clean the igniter mounting surface could result in an improper seal and possible fuel gas leak, and could result in property damage, serious personal injury, or death.

STEP 3: INSTALL THE IGNITER

1. Place the gasket on the igniter as shown in Figure 4.

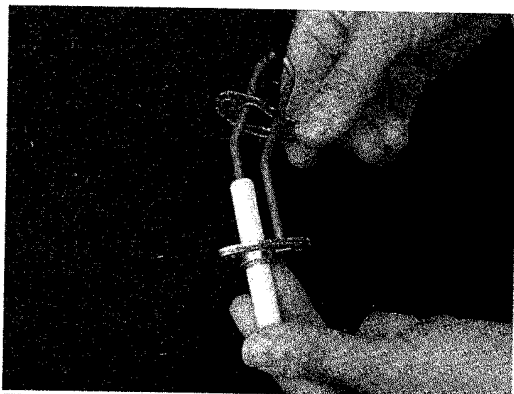


Figure 4 - Placing the Gasket on the Igniter

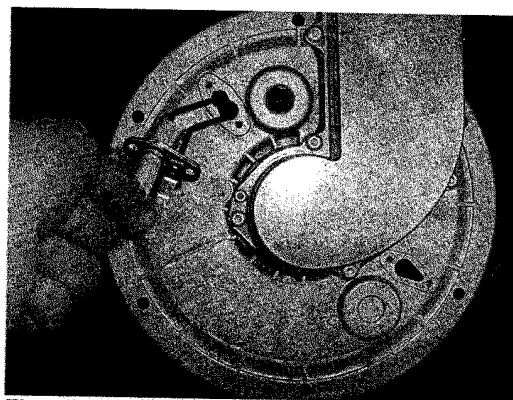


Figure 5 – Inserting the Igniter into the Plate

2. Insert the igniter into the plate. See Figure 5.
3. Secure the igniter to the plate using the mounting screws removed in *Step 2*. Reattach the spark electrode wire.

STEP 4: POWER THE BOILER

⚠ WARNING

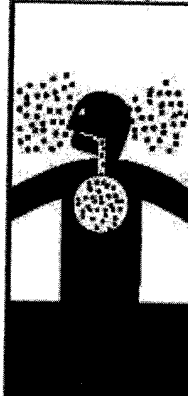
IF YOU SMELL GAS:

- Do not try to light any appliance.
- Do not touch any electrical switch.
- Do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone.
- Follow gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.
- Installation and service must be performed by a qualified installer, service agency, or the gas supplier.

1. Restore gas service to the boiler.
2. Check for gas leaks at the igniter and gasket.

⚠ WARNING

Breathing Hazard - Carbon Monoxide Gas



- Do not operate heater if flood damaged.
- Install vent system in accordance with local codes and manufacturers installation instructions.
- Do not obstruct heater air intake or exhaust. Support all vent piping per manufacturers installation instructions.
- Do not place chemical vapor emitting products near unit.
- According to NFPA 720, carbon monoxide detectors should be installed outside each sleeping area.
- Never operate the heater unless it is vented to the outdoors.
- Analyze the entire vent system to make sure that condensate will not become trapped in a section of vent pipe and therefore reduce the open cross sectional area of the vent.

Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

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⚠ WARNING

Failure to insert and mount the igniter correctly could cause delayed ignition or an F09 fault code. After mounting, ensure the gasket is seated properly. Check for combustion leaks with a gas leak tester **BEFORE** restoring power to the boiler. Failure to do so could result in property damage, serious personal injury, or death.

3. Restore electrical power to the boiler.
4. Initiate a call for heat.
5. Observe boiler operation. If an error or fault code should appear on the display, refer to the installation manual for troubleshooting information.
6. If there are no combustion leaks and the boiler operates properly for at least 15 minutes, installation is complete.