



Pilot Kit # 6252-60 Economite Models E20 (A/B) and 400-02 (A/B)



WARNING: Read and understand this service bulletin 8471-67 thoroughly before starting. Only a trained, experienced service technician should attempt this service procedure.



DANGER: Before attempting service, turn off gas to burner and turn off power to burner at burner disconnect switch, not at burner On-Off switch or timer. Failure to do so could result in personal injury or death.



WARNING: Under no circumstances should **PLASTIC COMPRESSION FITTINGS OR PLASTIC TUBING** be used for Pilot gas tubing. The use of **PLASTIC FITTINGS** or **PLASTIC TUBING** could result in personal injury or death.



WARNING: Do not use open flame to check for gas leaks.



WARNING: Completely remove and discard this sheet and plastic bag. Do not store in burner enclosure. It could affect burner air delivery and/or motor cooling.

Kit Contents

Part No.	Description	Qty
5295-00	Pilot Burner Wldmt	1
6252-50	Sp-Rd Insltr Slve	1
6252-90	Spark Electrode	1
6256-40	Ignitor Lead Wire	1
6274-50	Spark-Electrode Gskt	1
8471-67	Service Bulletin	1

NOTE: The original spark rod and pilot assembly you have on your burner is no longer available as a replacement from Midco. We are supplying a kit to support ALL previous versions. All previously used components have changed and are no longer available.

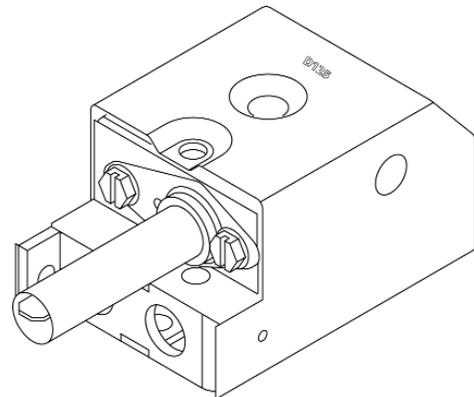
IMPORTANT:

If your burner was built before October 2008 (date code 4008) you must replace all components from this kit

Model: E20 (A/B)

The nozzle and pilot assembly can be removed as a unit by following these steps

1. Remove the backing plate
2. Disconnect the factory installed union located between the combination valve and manifold slide plate
3. Disconnect the thermocouple and pilot gas tube at the combination gas valve
4. Pull out the curved manifold pipe
5. Withdraw the nozzle assembly enough to permit disconnecting the ignition wire before removing nozzle and pilot assembly completely
6. Remove pilot gas tubing and pilot orifice
7. Remove the screw that is securing the pilot to the nozzle



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SAFETY INFORMATION TERMS: The following terms are used to identify hazards, safety precaution of special notations and have standard meanings in this Bulletin. They are printed in all capital letters using a bold type face as shown below, and preceded by the exclamation mark symbol. When you see the safety alert symbol and one of the safety information terms as shown below, be aware of the hazard potential.



DANGER: Identifies the most serious hazards which will result in severe personal injury or death.

WARNING: Signifies a hazard that could result in personal injury or death.

CAUTION: Identifies unsafe practices which would result in minor personal injury or product and property damage.



Pilot Kit # 6252-60

Economite Models - E20 (A/B) and 400-02 (A/B)

... E20 (A/B) installation continued

To install new pilot assembly:

1. Mount the new pilot with mounting screw
2. Re-install pilot gas orifice and pilot gas tubing
3. Re-install pilot / nozzle assembly (being sure to re-connect ignition wire)
4. Re-connect the thermocouple and pilot gas tube at the combination gas valve
5. Re-connect the union between the combination valve and the manifold side plate
6. Re-install gas manifold and burner back plate

Test for gas leaks with the burner running by applying a weak liquid soap solution to union and all serviced fittings. Leakage will be indicated by the appearance of soap bubbles. Locate and correct all gas leaks.

Model: 400-02 (A/B)

The Pilot Hood Assembly is part of the drawer assembly and can be removed as a unit by following these instructions.

1. Disconnect gas pipe union, thermocouple lead, and pilot tubing
2. Remove the two Back Plate screws and two elbow screws
3. Swing away valve train and pull out drawer assembly
4. Remove pilot gas tubing and pilot orifice
5. Remove pilot hood assembly by removing two screws securing it to cast iron venturi (burner Head)

To install new pilot assembly

1. Install the 8-32 x 1" Set Screw from kit into venturi casting in place of short pilot screw. Leave 3/4 inch set screw exposed to serve as a locating pin during re-assembly.
2. Re-install Pilot Hood Assembly re-using long pilot screw only
3. Re-connect pilot gas tubing and pilot orifice
4. Attach igniter spark wire to piezo button and position Insulating sleeve over wire connection to inhibit arcing to cast iron venturi.
5. Re-install drawer assembly in burner
6. Swing valve train back into position install two elbow screws and secure gas pipe union. Re-connect thermocouple lead

Test for gas leaks with the burner running by applying a weak liquid soap solution to union and all serviced fittings. Leakage will be indicated by the appearance of soap bubbles. Locate and correct all gas leaks.



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Please contact Midco if further assistance is required.

