

Make-up Air Burner Baffle Replacement Procedure

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

The HMA Combustion Baffle Kits (No. 1383 through 1386) are for the replacement of baffles on all existing MIDCO Make-Up Air burner.

CAUTION: Under no circumstances are MA and HMA baffles to be mixed.

Before Beginning Disassembly:

- Lay out all parts included in your Combustion Baffle Kit.
- Make sure you have ordered and received all required parts and confirm you have sufficient hardware.
- HMA baffles can be attached to any MIDCO end plate. If you are replacing a Pilot end Plate, and have an MA Cast Iron Pilot, you will have to install an Adapto Pilot, since a Cast Iron Pilot will not fit available Pilot End Plates.

SECTION I:

REMOVAL PROCEDURE FOR EITHER MA OR HMA BAFFLES

Disassembly Hints:

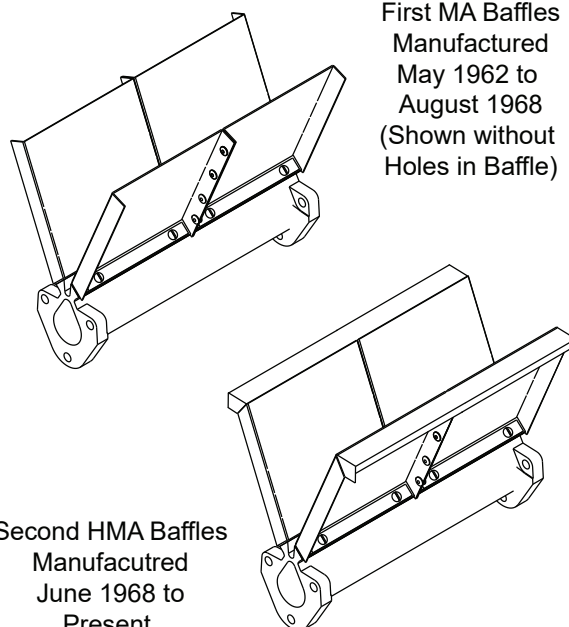
- Penetrating oil applied to the stainless steel clamp screws several hours before removal should be helpful.
- An impact driver will be helpful but is not required (#2 Phillips tip).

Removal and Cleaning of Old Parts

CAUTION: Care must be taken in removing old clamp screws so as not to damage the tapped hole. A broken screw or damaged hole can affect a successful assembly.

1. Remove and discard all baffles, clamps, end plates, etc. that are to be replaced.
2. It is not necessary to disassemble the cast iron burner sections.
3. Scrape and wire brush gasket mounting surfaces on the cast iron burner section.
4. Air and gas ports in the cast iron burner section can be cleaned by hand twisting with appropriate twist drill. Refer to detail for location and size.
5. Prior to installing replacement baffles, place a small film of fine refractory cement (Pyroseal) on all baffle to casting joints and in between any gaskets prior to setting baffles gaskets.

NOTE: If it becomes necessary to remove baffle plate rivets, it is recommended that they be chiseled off rather than drilled. The rivets are stainless steel and tend to harden and spin when drilled.



First MA Baffles
Manufactured
May 1962 to
August 1968
(Shown without
Holes in Baffle)

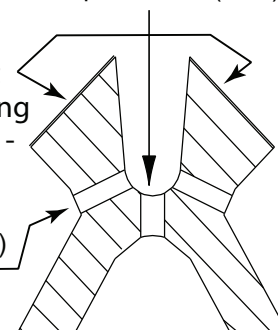
Second HMA Baffles
Manufactured
June 1968 to
Present
(Shown without
Holes in Baffle)

Drill Size - Gas Ports(s)

MA Series (500 MBH/ft)	HMA Series (550 MBH/ft)
Natural - #36 (.106)	Natural - #31 (.120)
Propane - #48 (.076)	Propane - #45 (.082)

Placement of cement
film on baffle to casting
joints and on gaskets -
see Step 5

Drill Size - Air Ports(s)
#42 (.093)



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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.

AVOID ERROR IN PARTS SELECTION. When ordering use complete MIDCO Part Number and Description. Furnish Burner Model Number, Bill of Material Number and Serial Number (if available) from the specification plate found on the product.

IMPORTANT: Availability of parts as well as specifications are subject to change without notice. Please consult factory for item availability.

SAFETY INFORMATION TERMS: The following terms are used to identify hazards, safety precaution of special notations and have standard meanings throughout this manual. 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.



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