

Field Assembly Instructions for Factory Pre-assembled HMA-2 and HMA2A (Make-Up Air Burner) Sections and End Flanges

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

When assembling Make-Up air burners, a few simple but very important assembly procedures must be followed to insure proper burner performance. **READ AND UNDERSTAND THIS BULLETIN THOROUGHLY BEFORE STARTING. ONLY A TRAINED EXPERIENCED TECHNICIAN SHOULD ATTEMPT THIS PROCEDURE.**

IMPORTANT: Furnace cement must be used to join and seal all burner casting joints, and all end flanges to baffle end plates. Use 10-24 x 3/8" stainless steel screws, washers, nuts or steel rivets. Under no circumstances should standard grade hardware or aluminum rivets be used.

1. Prepare a mixture of furnace cement thinned to the consistency of very heavy cream.
2. Apply a thin coat of furnace cement to both mating surfaces of castings prior to joining with fasteners. Apply cement as you go, as cement should not dry before assembling mating surfaces.
3. Complete mechanical assembly before furnace cement begins to harden.
4. After applying furnace cement between casting surfaces install bolts in casting holes provided. Hand tighten only
5. To secure baffles together install stainless steel screws, washers, nuts or rivets.
6. Tighten stainless screws and nuts or rivets.
7. Align gas channel on each casting and tighten bolts and nuts.
8. Wipe excess cement from castings mating surfaces and low fire zone of casting. Make sure not to clog any gas or lowfire air ports.
9. Pay particularly close attention to all butted surfaces. There must be no visible gaps between castings. If there is a gap or recession, fill in with furnace cement.

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.

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.



Midco[®]
INTERNATIONAL

Midco[®] International Inc.
4140 West Victoria Street
Chicago, Illinois 60646
tel 773.604.8700
fax 773.604.4070
web www.midcointernational.com
e-mail sales@midcointernational.com

