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IMPORTANT PARTS-SERVICE COMMUNICATION

TO: All Service and Parts Managers

DATE: November 21, 1994

NO: GF-125

SUBJECT: 40" 80% Furnace Induced Draft Blower Assemblies

In some installations the Fasco induced draft blower assembly (Amana part number 11009001) used on the new 40" 80% furnaces has been found to produce objectionable sound levels, often described as a humming sound. This humming sound has been identified as a vibration caused by shaft motion or hunting in the induced draft blower motor. On motors where the shaft travel is at or near the outside limits of its tolerance, the motor shaft will hunt back and forth at a frequency of 120 HZ. This hunting or cycling may cause a vibration of sufficient intensity to create a resonance in the sheet metal components of the furnace, ductwork, or vent system. Our testing and field inspections have indicated this condition affects no more than 10% to 15% of installed units.

To eliminate this vibration, a new ID blower assembly has been developed to prevent the shaft hunting. The new ID blower part number is 11009002. Furnaces produced with a serial number of 9411156538 and later will use the 11009002 ID blower assembly. Furnaces built prior to serial number 9411156538, which have the 11009002 ID blower assembly installed, can be identified by the label "Inspected By 50" on the carton adjacent to the bar code label.

All inventory of new and unused ID blower assemblies part number 11009001 should be returned for credit, and new ID blowers part number 11009002 should be reordered for service replacement. Dealer inventory of 11009001 ID blower assemblies must be returned to the Amana Branch or Distributor from whom they were purchased.

All inventory/stock furnaces should have the ID blower assemblies replaced with the new 11009002 ID blower assembly.

Installed furnaces should be handled on an individual basis. ID blower assemblies on installed furnaces are to be replaced only when there is a noise complaint attributed to the ID blower assembly. (See filing procedures below).

In most cases, a new gasket is not required. However, it is recommended that a supply of gaskets be kept on hand as required. Also required is RTV silicone sealer with a 500°F continuous rating for sealing the transition collar. Amana has available 732 RTV Sealer, part number M0275597, in a 3 oz. tube, or part number M0275501 (white) or M0275563 (clear) in 10 oz. tubes for use in caulking guns.

FILING PROCEDURES:

All claims for credit under this program must reference **Project 8468** and be submitted to Warranty Administration at Amana Iowa for processing. Induced Draft Blower Assemblies must be returned in usable, undamaged condition.

Branch and Distributor Inventory Units

Amana will pay \$15.00/unit labor to replace ID blowers on inventory/stock units in Branch and Distributor inventories. Complete a PRF marked "Induced Draft Blower/Project 8468" and list model manufacturing and serial number of units on which the induced draft blower (11009001) was replaced. Box up the replaced ID blower in the box from the replacement ID blower and enclose the yellow (packing list) copy of the PRF with the parts and ship to Amana Iowa. Mail the white copy of the PRF to Warranty Administration, Amana Iowa. (Labor or part credit will not be issued until ID blowers are received.)

Branch and Distributor Part Inventory

Distributor/Branch must fax a listing, referencing "Project 8468" showing quantity of 11009001 ID Blower assemblies in inventory, to Amana Service, attn.: Jan Dostal (fax # 319-622-2837). A return authorization will be generated and sent giving authorization to return ID Blowers to Amana, Iowa.

Dealer Inventory or Installed Units

Amana will pay \$30.00/unit labor to replace ID blowers on inventory/stock units in dealer inventory. Labor for ID blower replacement on installed units will be issued at class "A" in home service rates. A warranty tag (A173-9) must be completed for each unit serviced which is in Dealer inventory or installed. Attach the cardboard section of the warranty tag to the replaced ID blower. Send the original white (Amana) copy of the tag, the yellow and pink (Distributor) copy of the tag along with the replaced ID blower to the distributor.

The distributor will summarize the warranty tags on a PRF (Parts Return Form). The Distributor will attach the original white (Amana) copy of the tag and yellow (Distributor) copy of the tag to the original white (Amana) copy of the PRF and send to Warranty Administration at Amana Iowa. Distributor will enclose the yellow copy of the PRF with the replaced ID blowers and ship to Amana Iowa.

Upon receipt of the ID blowers and proper documentation at Amana Iowa, part credit will be issued to the distributor and labor credit directly to the servicer. Labor or part credit will not be issued until ID blowers are received at Amana Iowa.

Induced Draft Blower Assembly Replacement - Field Installed Units

1.  **CAUTION** To avoid electrical shock, injury, or death disconnect the electrical power before servicing.
2. Remove louvered door from unit.
3. Disconnect Inducer motor wiring:
 - Black motor lead from Violet #55 (quick connect tab)
 - White motor lead from unit electrical box
4. Disconnect pressure switch hose from inducer assembly.
5. Disconnect the vent connector from the unit flue collar.
6. Remove the 5 mounting screws which hold the inducer assembly to the rotating plate. Removal of the rotating plate is not necessary. Carefully remove blower assembly from gasket face on rotating plate.
7. Remove the 3 screws which attach the transition collar to the inducer assembly and scrape off the old RTV from the transition collar.
8. Attach the transition collar to the new assembly with the 3 screws removed in step 7 and seal the connection on all sides with RTV silicone that has a 500°F continuous rating.

Important Note: A thin layer of RTV should be applied to the back (mounting) face of the transition collar to the combustion blower to prevent interference with the collector box cover. The blower should be mounted to the collector box cover while the RTV is still soft. Its is best to allow the RTV to skin over before mounting to the collector box cover to reduce sticking to the gasket.
9. The assembly should be able to be removed and re-installed without gasket replacement. Should the gasket show any signs of tears, replace with new gasket. Be sure to remove all of the old gasket if replaced.
10. Install the new assembly to the unit using all 5 screws removed in step 6.
11. Reattach the vent connector, wiring, and pressure switch hose.
12. Allow the RTV to set/skin over. Fire the unit to verify proper operation.
13. The old inducer assembly must be returned in the box from the new assembly.
14. Fill out an Amana Warranty Tag (PRT) with project # xxx listed in area #6 and return to your distributor or factory branch.

Induced Draft Blower Assembly Replacement - Inventory Units

1. Remove 2 shipping bands from unit and open carton top.
2. Remove louvered door from unit.
3. Disconnect Inducer motor wiring:
 - Black motor lead from Violet #55 (quick connect tab)
 - White motor lead from unit electrical box
4. Disconnect pressure switch hose from inducer assembly.
5. For Counterflows - The factory vent connector must be disconnected.
6. Remove the 5 mounting screws which hold the inducer assembly to the rotating plate. Removal of the rotating plate is not necessary. Carefully remove blower assembly from gasket face on rotating plate.
7. Remove the 3 screws which attach the transition collar to the inducer assembly and scrape off the old RTV from the transition collar.
8. Attach the transition collar to the new assembly with the 3 screws removed in step 7 and seal the connection on all sides with RTV silicone that has a 500°F continuous rating.

Important Note: A thin layer of RTV should be applied to the back (mounting) face of the transition collar to the combustion blower to prevent interference with the collector box cover. The blower should be mounted to the collector box cover while the RTV is still soft. Its is best to allow the RTV to skin over before mounting to the collector box cover to reduce sticking to the gasket.
9. The assembly should be able to be removed and re-installed without gasket replacement. Should the gasket show any signs of tears, replace with new gasket. Be sure to remove all of the old gasket if replaced.
10. Install the new assembly to the unit using all 5 screws removed in step 6.
11. Reattach the wiring and pressure switch hose.
12. The old inducer assembly must be returned in the box from the new assembly.