399A
58DX
Inducer Housing Kit

Cancels: New

AR1100006A
9/1/87

Installation Instructions
P/N 308118-751

This instruction covers the installation of inducer housing assembly kit P/N's 308118-751 in a deluxe downflow condensing furnace.

NOTE: Read the entire instruction before starting the installation.

NOTE: Obtain releasing agent (Pam) and RTV sealant (G.E. 122, 162, or Dow Corning 738) before starting installation.

The kit contains the following items:

Inducer housing	(1)
Cover plate gasket	(1)
Stainless screws	(5)
Screws for plastic (wide-pitch threads)	(14)
Installation Instructions	(1)

A. Removal of Inducer Assembly

1. Turn off gas and electrical supplies to furnace.
2. Remove blower and control access panels.
3. Loosen hose clamp at collector box on drain tube from inducer outlet elbow, and remove tube from collector box.
4. Disconnect inducer motor leads at inducer control box.
5. Remove mounting screws securing inducer control box/pressure switch assembly and position control box assembly out of way.
6. Loosen hose clamp and remove drain tube from bottom of inducer housing.
7. Remove two screws securing vent enclosure and remove enclosure.
8. Loosen hose clamp at vent pipe connection; disconnect vent pipe. Position vent pipe out of way.
9. Remove and discard mounting screws securing inducer assembly (motor and housing). Remove inducer assembly from furnace. The removal of the inducer assembly from the unit will require some amount of force to break the RTV adhesive between the housing back and the collector box.
10. Loosen rectangular clamp on outlet elbow which secures it to inducer assembly and remove elbow.
11. Remove screw securing top mounting bracket and motor ground wire to cover plate. Save mounting bracket.
12. Lay inducer assembly on flat surface and remove left and right mounting brackets.
13. Remove seven remaining screws securing motor assembly to inducer housing.

B. Installation of New Inducer Housing

1. Carefully clean old sealant from collector box outlet.
2. Lay new inducer housing on flat surface and install new cover plate gasket in groove around front opening.
3. Position motor assembly on inducer housing. Be sure cover plate gasket is properly seated in groove.
4. Using wide-pitch threaded screws provided in kit, secure cover plate to inducer housing. Leave top hole vacant.
5. Install right and left mounting brackets on inducer housing. Use two wide-pitch threaded screws per bracket.
6. Install top mounting bracket (wide end to cover plate) and motor ground wire in vacant hole at top of housing.
7. Press outlet elbow on inducer housing and tighten rectangular clamp. Do not over tighten.
8. Apply releasing agent (Pam) to area around outlet opening of collector box.
9. Apply 1/8- to 3/16-inch diameter continuous bead of RTV sealant around inlet opening of inducer housing. See Figure 1. Do not allow sealant to set more than 10 minutes before installation.
10. Position inducer assembly in furnace.
11. Keeping inducer assembly movement to a minimum to prevent spreading sealant, secure assembly to collector box and coupling box. Use stainless steel screws in cloth bag.
12. Reconnect vent pipe.
13. Reinstall vent enclosure.
14. Using two wide-pitch thread screws, install inducer control box/pressure switch assembly on inducer housing.
15. Connect 7/8-inch formed drain tube from condensate trap to collector box.
16. Reconnect drain tube from inducer outlet elbow to collection box.
17. Connect drain tube to bottom of inducer housing.
18. Reinstall blower access panel.
19. Check furnace operation through two complete operating cycles.
20. Check for condensate leaks.
21. Reinstall control access panel.

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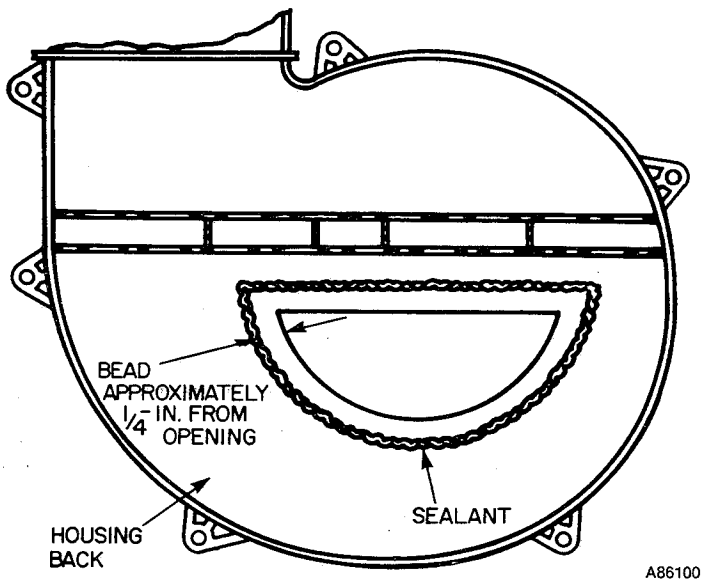

Figure 1—Backside of Inducer Assembly Housing