

324906-762

## ECM INDUCER MOTOR ASSEMBLY KIT

# Installation Instructions


**NOTE:** Read the entire instruction manual before starting the installation.

### SAFETY CONSIDERATIONS

Installing and servicing of heating equipment can be hazardous due to gas and electrical components. Only trained personnel should install or service heating equipment.

Untrained personnel can perform basic maintenance functions such as cleaning coils or cleaning and replacing filters. All other operations should be performed by trained service personnel. When working on heating equipment, observe precautions in the literature, on tags, and on labels attached to the unit.

Follow all safety codes. Wear safety glasses and work gloves. Have fire extinguisher available.

Recognize safety information. This is the safety-alert symbol . When you see this symbol on the furnace and in instructions or manuals, be alert to the potential for personal injury.

Understand the signal word **DANGER**, **WARNING**, and **CAUTION**. These words are used with the safety-alert symbol. **DANGER** identifies the most serious hazards which will result in severe personal injury or death. **WARNING** signifies a hazard which could result in personal injury or death. **CAUTION** is used to identify unsafe practices which may result in minor personal injury or product and property damage. **NOTE** is used to highlight suggestions that will result in enhanced installation, reliability, or operation.

### **WARNING**

#### ELECTRICAL SHOCK HAZARD

Failure to follow this warning could result in personal injury or death.

Before beginning any installation or modification, be sure the main electrical disconnect switch is in the OFF position. Unit may have more than one power switch.

### **CAUTION**

#### UNIT OPERATION HAZARD

Failure to follow this caution may result in equipment damage.

Label all wires prior to disconnection when servicing controls.

### INTRODUCTION

This instruction covers installation of the electronically commuted motor (ECM) Inducer Motor Kit Part No. 324906-762 on all models of 355MAV, 355AAV, 355BAV, 355CAV, 58MVP, 58MVB, 58MVC and 58UVB Condensing Gas Furnaces (40,000 through 120,000 Btuh inputs).

### DESCRIPTION AND USAGE

Use this ICM inducer motor kit to replace a failed inducer motor assembly.

This kit contains the following items:

Inducer Assembly	1
Installation Instructions	1
Inducer Spacer Kit	1

**NOTE:** Inducer assembly consists of motor, wheel, motor mount, motor weight, inducer cover, inducer housing, vent cap, and vent clamp.

### INSTALLATION

#### Step 1 — Remove Old Motor Assembly

1. Turn electrical supply to unit to OFF position.
2. Remove main furnace door.
3. Remove lower drain tube from inducer housing cover.
4. Remove pressure switch assembly by removing 2 screws. (See Fig. 1.)
5. Remove pressure switch tube at tee leading to burner box and gas valve.
6. Move pressure switch assembly to side.
7. Remove combustion vent pipe by loosening clamp on rubber connector and remove from housing.
8. Remove Inducer Water Shield (if present) by removing 2 screws. (See Fig. 1.)
9. Disconnect wire harness connector from inducer motor.
10. Remove 4 bolts securing inducer housing to cell inlet panel.

#### Step 2 — Install New Motor Assembly

1. Inspect seal on collector box where new inducer housing will mate to ensure no damage has occurred. (See Fig. 2.)

**NOTE:** If collector box seal is damaged in any way, it must be repaired. To repair, apply sealant releasing agent such as PAM cooking spray or equivalent (must not contain corn nor canola oil, halogenated hydrocarbons nor aromatic content to prevent inadequate sealing) to inducer housing. Apply a small bead of GE RTV 162, G.E. 6702, or Dow-Corning RTV 738 sealant to groove in collector box. G.E. 162 (P771-9003) is available through RCD in 3-oz. tubes.