

Installation Instructions Part No. 328529-751

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


This symbol → indicates a change since the last issue.

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, CAUTION, and NOTE. These words are used with the safety-alert symbol. DANGER identifies the most serious hazards which 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 which **will** result in enhanced installation, reliability, or operation.

WARNING

FIRE AND EXPLOSION HAZARD

Failure to follow this warning could result in personal injury, death and/or property damage.

Turn off gas and electrical supplies to unit before beginning any installation or modification.

INTRODUCTION

This instruction covers the installation of the pressure switch kit Part No. 328529-751 in all two-stage multipoise condensing gas furnaces.

DESCRIPTION AND USAGE

This pressure switch kit is designed for use when replacement of the factory-installed pressure switch is required.

→ This kit is for use with models 352MAV, 352AAV, 58MTA, and 58MTB.

The pressure switch kit contains the following items:

Pressure Switch Assembly (HK06NB013)	1
High Pressure Switch (labeled "Burner Enclosure") make point = 1.81 in. w.c. max. break point = 1.58 in. w.c. min.	
Low Pressure Switch (labeled "Collector Box") make point = 1.06 in. w.c. max. break point = .91 in. ± .05 in. w.c.	
Tubing Assembly, 7.88" (319873-722)	1
Tube, 12.5" (320890-308)	1
Installation Instructions	1

INSTALLATION

Step 1—Removal of Old Pressure Switch Assembly

1. Turn off gas and electrical supplies to furnace.
2. Remove furnace door.
3. Disconnect wires from pressure switch.
4. Remove pressure tubes from pressure switch.
5. Remove pressure switch assembly from inducer housing.

Step 2—Modify High-Pressure Switch Tubing Assembly

1. Remove high-pressure switch tubing assembly from collector box.
2. Replace old high-pressure switch tubing assembly with kit-supplied tubing assembly 319873-722. *If servicing a 4 or 5-cell unit (080 or 100 size), cut tube from stock length (7.88") to 7".*

Step 3—Modify Low-Pressure Switch Tubing Assembly (3 or 4 cell units)

1. If servicing a 3 or 4-cell unit (060 or 080 size), continue to #2 and #3. If servicing a 5 or 6-cell unit (100 or 120 size), skip to Step 4 and discard kit supplied tube 320890-308.
2. Remove 10" tube that originally connected the pressure switch assembly to plastic 'T', located near the gas valve.
3. Attach kit-supplied 12.5" tube (320890-308) to plastic 'T', located near the gas valve.

Step 4—Install New Pressure Switch Assembly (5 or 6 cell units)

1. Install new pressure switch assembly (HK06NB013) to inducer housing.
2. Restore pressure tubing connections to corresponding pressure switch ports.
 - a. Connect tubing from collector box to high-pressure switch.
 - b. Connect tubing from plastic 'T' assembly (near gas valve) to low-pressure switch.
3. Connect pressure switch wire leads (NOTE: 'HIGH' pressure switch is labeled 'Collector Box'; 'LOW' pressure switch is labeled 'Burner Enclosure'):
 - a. Connect orange lead to HIGH switch common (C) terminal.

- b. Connect yellow lead to HIGH switch normally-open (NO) terminal.
 - c. Connect gray lead to LOW switch common (C) terminal.
 - d. Connect brown lead to LOW switch normally-open (NO) terminal.
4. Turn on gas and electrical supplies and start furnace.
 5. Check furnace for proper operation.
 6. Replace furnace door.