

SERVICE INSTALLER'S GUIDE

18-CH77D1-1A-EN

ALL phases of this installation must comply with NATIONAL, STATE AND LOCAL CODES

MNT02458 Motor Mount Plate

For use with Models:

90+% Upflow
Condensing Furnaces

IMPORTANT— This document is customer property and is to remain with this unit.
Please return to service information pack upon completion of work.

⚠ WARNING

Disconnect power to the unit before removing the blower door. Failure to follow this warning could result in personal injury from moving parts.

⚠ WARNING

The cabinet must have an uninterrupted or unbroken ground according to National Electrical Code, ANSI/NFPA 70 - "latest edition" and Canadian Electrical Code, CSA C22.1 or local codes to minimize personal injury if an electrical fault should occur. A failure to follow this warning could result in an electrical shock, fire, injury, or death.

⚠ CAUTION

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

INSTALLATION PROCEDURE

- A) Turn the thermostat to the off position.
- B) Disconnect all electric power and shut off the gas supply to the furnace.
- C) Remove the burner and blower door.
- D) Remove the screw holding the ground wire(s) on the mounting plate if applicable.
- E) Disconnect inducer flue pipe, wire connection & drain hose. Remove the three screws mounting the inducer to the mounting plate.
- F) Disconnect wires from the pressure switch(es) and remove screws mounting the switch(es) to the mounting plate.
- G) Remove screws holding the mounting plate to the unit.
- H) Install MNT02458 mounting plate to the plastic transition with four screws. Pre-drill a 1/8" hole and place a screw to the mounting leg of the mounting plate (see illustration).
- I) Reinstall the pressure switch(es) & wire connections.

Pre-drill a 1/8" hole

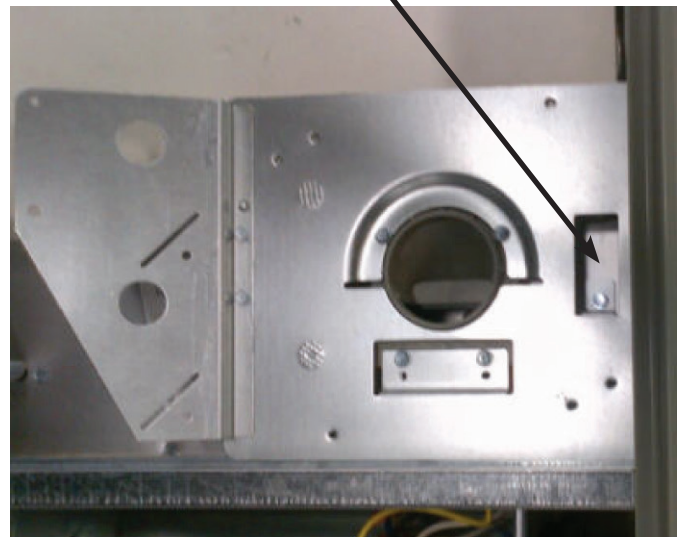


Figure 1

- J) Reinstall the inducer, flue connection, drain hose & wire connections. Use high temperature red RTV silicon adhesive to seal the joint between the inducer & plastic transition.
- K) Reinstall the ground wires.
- L) Reinstall the blower door.
- M) Connect all electric power and turn on the gas supply to the furnace.

VERIFICATION OF PROPER OPERATION

- A) Place the thermostat in the heating mode.
- B) Initiate a call for heat by raising the thermostat setting 5 degrees above the room temperature.
- C) Observe the furnace: IF properly wired, the following start-up sequence should be observed:
 - the red LED on the IFC should start a fast flash sequence
 - the draft inducer should energize, then the igniter should start to glow
 - after the igniter heat up time has expired, the gas valve should be energized- listen for the "click", the gas will then ignite
 - after 45 seconds the main blower will turn on
- D) Verify no condensate & flue gas leaks.
- E) After proper operation has been verified, reinstall the burner door and set the thermostat back to the desired comfort set point.

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