

# SERVICE INSTALLER'S 18-CH90D1-1A-EN GUIDE

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

Furnace model families:

\*UD040C924\*\*

\*UD040C930\*\*

\* May be "A" or "T"

\*\* May be "A" - "Z"

## KIT18092

## C1 Replacement Inducer

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

Assembly Drawing No. D343813G10

### KIT COMPONENTS — APPLICATION:

Item No.	Drawing No.	Description	Qty
1	D340032P01	Box, Flue Collector	1
2	A340089P01	Tube, Pressure Switch	1
3	D342077P01	Blower, Induced 1 Stage	1
4	C340033P01	Gasket, Collector Box	1
5	C138216P03	Gasket, Venter Assembly	1
6	N154CP1608B	Scr 10-16 AB HWH 1/2 S	13

Use these instructions when replacing the following single stage induced blower:

Drawing No.	Description	Mnemonic
D340125P01	Blower-Induced 1 Stg	BLW00335
D330787P01	Blower-Induced 1 Stg	BLW00522
D330809P01	Blower-Induced 1 Stg	BLW00593
D342077P01	Blower-Induced 1 Stg	BLW00885

### 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.

### REMOVING THE EXISTING INDUCED BLOWER AND FLUE COLLECTOR BOX:

1. Turn the thermostat to the off position.
2. Disconnect all electric power and shut off the gas supply to the furnace.
3. Remove the burner and blower door.

### WARNING

Allow the vent pipe to cool prior to removing. It is extremely hot. Failure to follow this warning could result in severe burns.

### CAUTION

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

4. Disconnect the vent pipe from the induced blower outlet.
5. Disconnect the wire harness from the induced blower.
6. Remove five screws from the induced blower. Discard the induced blower and gasket.
7. Disconnect the silicon hose from the flue collector box pressure tap.
8. Remove eight screws from the flue collector box. Discard the flue collective box and gasket.

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## **INSTALLING NEW INDUCED BLOWER, FLUE COLLECTOR BOX AND GASKETS:**

1. Align the flue collector gasket and box with the holes on the heat exchanger partition. Use the screws provided to secure the flue collector box and gasket to the partition.
2. Align the induced blower and gasket to the flue collector box. Use the screws provided to secure the induced blower and gasket to the flue collector box.
3. Connect the silicon hose to the collector box pressure tap.
4. Connect the vent pipe to the induced blower outlet. Secure and seal joints as required to prevent any combustion gas leaks.
5. Install the burner and blower door.
6. Connect all electric power and turn on the gas supply to the furnace.

## **VERIFICATION OF PROPER OPERATION:**

1. Place the thermostat in the heating mode.
2. Initiate a call for heat by raising the thermostat setting 5 degrees above the room temperature.
3. Observe the furnace: If properly wired, the following start-up sequence should be observed:
  - The induced blower 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.
4. Verify no combustion gas leaks from the induced blower and vent pipe connection. Any combustion gas leaks need to be repaired and repeat the verification steps 1 through 4.
5. When proper operation has been verified, set the thermostat back to the desired comfort set point.

### **About Trane and American Standard Heating and Air Conditioning**

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