Installation Instructions

Gas Heat Service Kit for Foundation™ and Precedent™

Model Number: KIT20854
KIT20855
KIT20856

⚠ SAFETY WARNING

Only qualified personnel should install and service the equipment. The installation, starting up, and servicing of heating, ventilating, and air-conditioning equipment can be hazardous and requires specific knowledge and training. Improperly installed, adjusted or altered equipment by an unqualified person could result in death or serious injury. When working on the equipment, observe all precautions in the literature and on the tags, stickers, and labels that are attached to the equipment.

December 2025 **PART-SVN278A-EN**

Introduction

Read this manual thoroughly before operating or servicing this unit.

Warnings, Cautions, and Notices

Safety advisories appear throughout this manual as required. Your personal safety and the proper operation of this machine depend upon the strict observance of these precautions.

The three types of advisories are defined as follows:

⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ CAUTION	Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury. It could also be used to alert against unsafe practices.
NOTICE	Indicates a situation that could result in equipment or property-damage only accidents.

Important Environmental Concerns

Scientific research has shown that certain man-made chemicals can affect the earth's naturally occurring stratospheric ozone layer when released to the atmosphere. In particular, several of the identified chemicals that may affect the ozone layer are refrigerants that contain Chlorine, Fluorine and Carbon (CFCs) and those containing Hydrogen, Chlorine, Fluorine and Carbon (HCFCs). Not all refrigerants containing these compounds have the same potential impact to the environment. Trane advocates the responsible handling of all refrigerants.

Important Responsible Refrigerant Practices

Trane believes that responsible refrigerant practices are important to the environment, our customers, and the air conditioning industry. All technicians who handle refrigerants must be certified according to local rules. For the USA, the Federal Clean Air Act (Section 608) sets forth the requirements for handling, reclaiming, recovering and recycling of certain refrigerants and the equipment that is used in these service procedures. In addition, some states or municipalities may have additional requirements that must also be adhered to for responsible management of refrigerants. Know the applicable laws and follow them.

⚠ WARNING

Proper Field Wiring and Grounding Required!

Failure to follow code could result in death or serious injury.

All field wiring MUST be performed by qualified personnel. Improperly installed and grounded field wiring poses FIRE and ELECTROCUTION hazards. To avoid these hazards, you MUST follow requirements for field wiring installation and grounding as described in NEC and your local/state/national electrical codes.

⚠ WARNING

Personal Protective Equipment (PPE) Required!

Failure to wear proper PPE for the job being undertaken could result in death or serious injury.

Technicians, in order to protect themselves from potential electrical, mechanical, and chemical hazards, MUST follow precautions in this manual and on the tags, stickers, and labels, as well as the instructions below:

- **Before installing/servicing this unit, technicians MUST put on all PPE required for the work being undertaken (Examples; cut resistant gloves/ sleeves, butyl gloves, safety glasses, hard hat/ bump cap, fall protection, electrical PPE and arc flash clothing). ALWAYS refer to appropriate Safety Data Sheets (SDS) and OSHA guidelines for proper PPE.**
- **When working with or around hazardous chemicals, ALWAYS refer to the appropriate SDS and OSHA/GHS (Global Harmonized System of Classification and Labelling of Chemicals) guidelines for information on allowable personal exposure levels, proper respiratory protection and handling instructions.**
- **If there is a risk of energized electrical contact, arc, or flash, technicians MUST put on all PPE in accordance with OSHA, NFPA 70E, or other country-specific requirements for arc flash protection, PRIOR to servicing the unit. NEVER PERFORM ANY SWITCHING, DISCONNECTING, OR VOLTAGE TESTING WITHOUT PROPER ELECTRICAL PPE AND ARC FLASH CLOTHING. ENSURE ELECTRICAL METERS AND EQUIPMENT ARE PROPERLY RATED FOR INTENDED VOLTAGE.**

©2025

⚠ WARNING

Follow EHS Policies!

Failure to follow instructions below could result in death or serious injury.

- **All Trane personnel must follow the company's Environmental, Health and Safety (EHS) policies when performing work such as hot work, electrical, fall protection, lockout/tagout, refrigerant handling, etc. Where local regulations are more stringent than these policies, those regulations supersede these policies.**
- **Non-Trane personnel should always follow local regulations.**

⚠ WARNING

R-454B Flammable A2L Refrigerant!

Failure to use proper equipment or components as described below could result in equipment failure, and possibly fire, which could result in death, serious injury, or equipment damage.

The equipment described in this manual uses R-454B refrigerant which is flammable (A2L). Use ONLY R-454B rated service equipment and components. For specific handling concerns with R-454B, contact your local representative.

⚠ WARNING

Cancer and Reproductive Harm!

This product can expose you to chemicals including lead and bisphenol A (BPA), which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Copyright

This document and the information in it are the property of Trane, and may not be used or reproduced in whole or in part without written permission. Trane reserves the right to revise this publication at any time, and to make changes to its content without obligation to notify any person of such revision or change.

Trademarks

All trademarks referenced in this document are the trademarks of their respective owners.

Table of Contents

General Information

This kit is aimed at solving the issue of ice formation in pressure switch tube that obstructs the pressure signal to the switch in Foundation™ and Precedent™.

Inspection

1. Unpack all components of the kit.
2. Check carefully for shipping damage. If any damage is found, report it immediately, and file a claim against the transportation company. Unpack all components of the kit.

Parts List

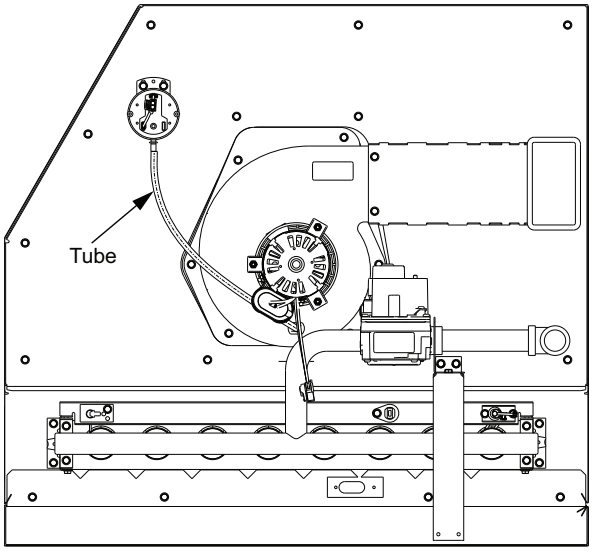
Table 1. Parts list

Item	Description	Qty
KIT20854	**Kit; Precedent Inducer Replacement**	
X38011551001	Blower, 2 SPD Inducer, Large Housing	1
X20530086020	Tube; Speciality; 0.19 ID X 0.06W X 14-in.	1
438717220001	Gasket; Combustion Blower	1
KIT20855	**Kit; Foundation Inducer Replacement**	
X38011552001	Blower, 2 SPD Inducer, Large Housing	1
438720130003	Tube; Speciality; 0.19 ID X 0.06W X 10-in.	1
438717220001	Gasket; Combustion Blower	1
KIT20856	**Kit; Foundation Inducer Replacement**	
X38011184030	Blower/Fan; 2 SP Inducer-Combustion Blower, 320, 350 and 400 MBh	1
438720130003	Tube; Speciality; 0.19 ID X 0.06W X 10 in.	1
438717220001	Gasket; Combustion Blower	1

Installation - Foundation

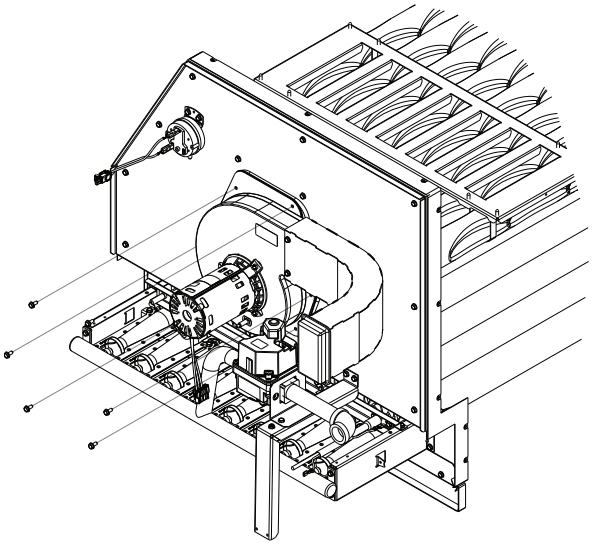
1. Remove the 14-inch tube from the gas heat. See Figure 1, p. 6.

Figure 1. Remove the tube from the gas heat



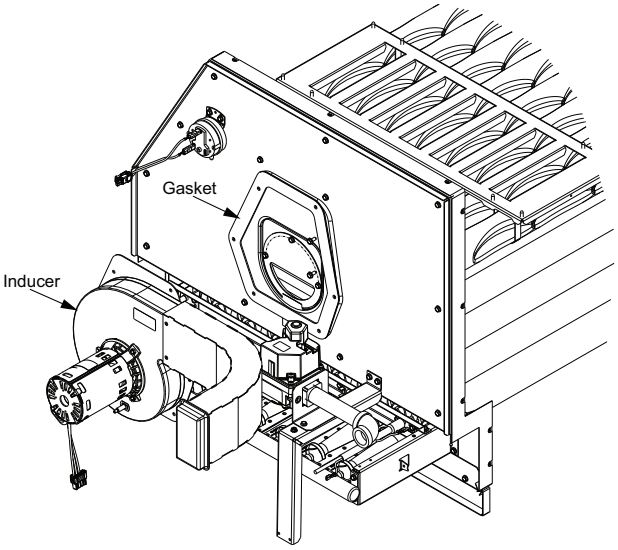
2. Remove six screws from the inducer blower assembly and air orifice plate. See Figure 2, p. 6.

Figure 2. Remove screws from the gas heat



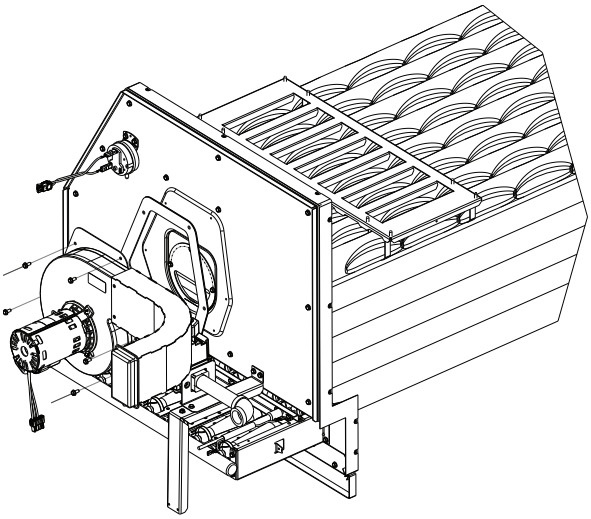
3. Remove the inducer blower and gasket from gas heat. See Figure 3, p. 6.

Figure 3. Remove the inducer blower and gasket



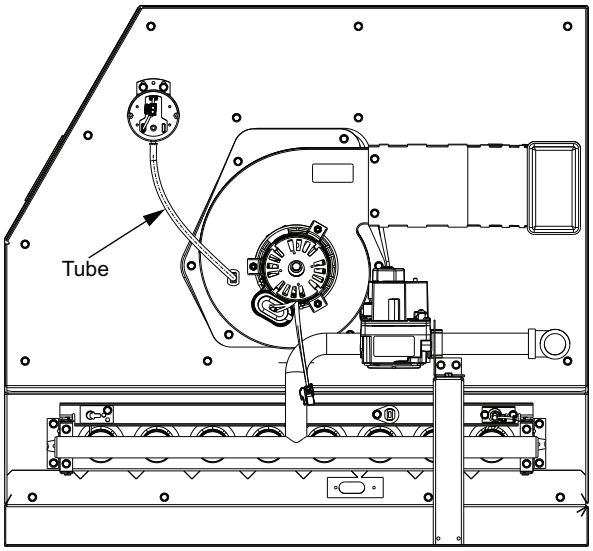
4. Install the gasket and inducer blower from the kit. Install six screws. See Figure 4, p. 6.

Figure 4. Install the new gasket and inducer blower from the kit



5. Install the 10-inch tube from the kit. See Figure 5, p. 7.

Figure 5. Install 10-inch tube from the kit

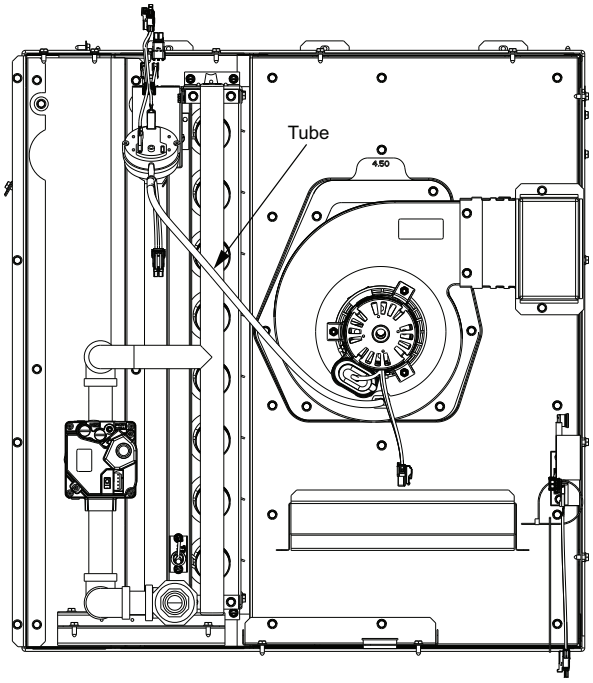


6. Confirm there is no pinch or P-trap after the tube is installed.

Installation - Precedent

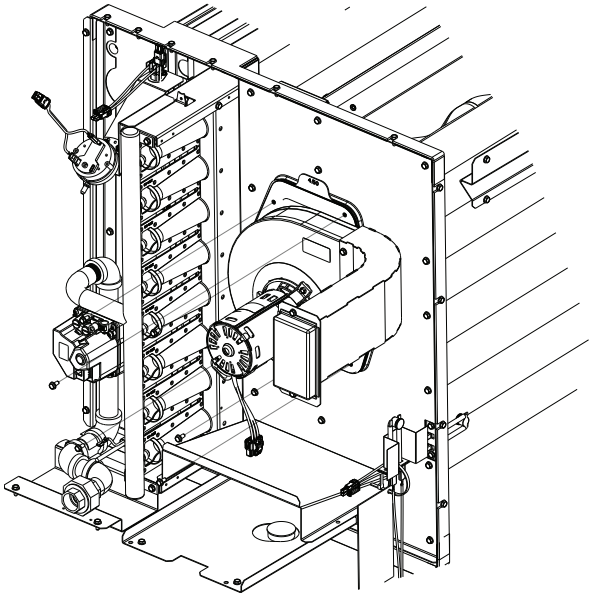
1. Remove the orange tube from the gas heat. See Figure 6, p. 8.

Figure 6. Remove the tube from the gas heat



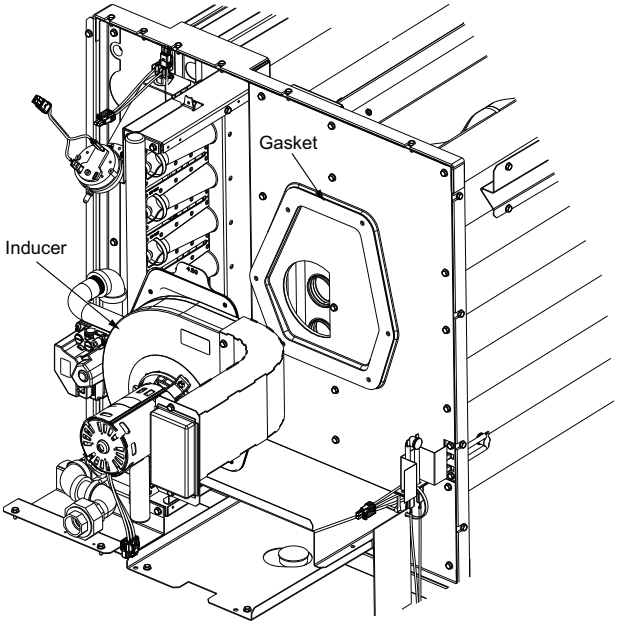
2. Remove six screws from the inducer blower assembly and air orifice plate. See Figure 7, p. 8.

Figure 7. Remove screws from the gas heat



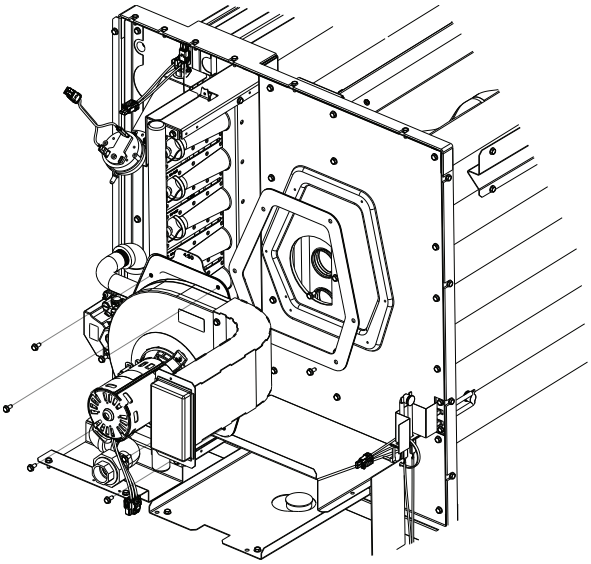
3. Remove the inducer and its gasket. See Figure 8, p. 8.

Figure 8. Remove the inducer and its gasket



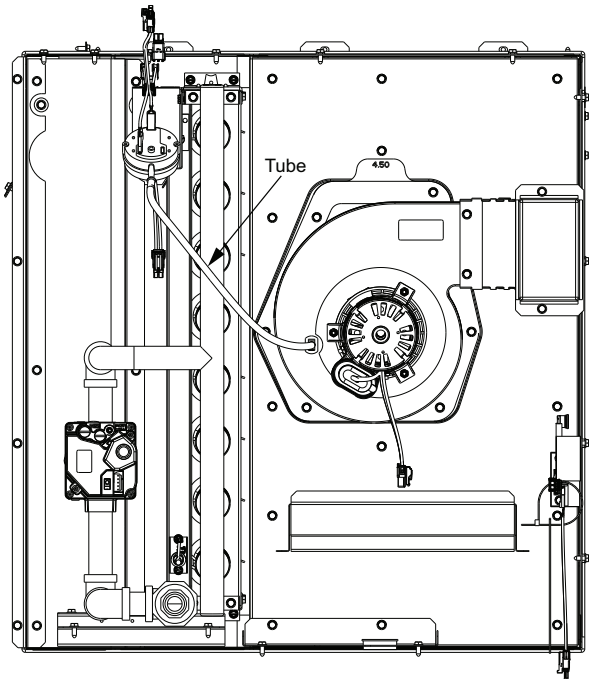
4. Install the new gasket and inducer from the kit. Install six screws. See Figure 9, p. 8.

Figure 9. Install the new gasket and inducer from the kit



5. Install the blue tube from the kit. See Figure 10, p. 9.

Figure 10. Install the blue tube from the kit



6. Confirm there is no pinch or P-trap after the tube is installed.

Notes

Trane and American Standard create comfortable, energy efficient indoor environments for commercial and residential applications. For more information, please visit trane.com or americanstandardair.com.

Trane and American Standard have a policy of continuous product and product data improvement and reserve the right to change design and specifications without notice. We are committed to using environmentally conscious print practices.

PART-SVN278A-EN 15 Dec 2025
Supersedes (New)

©2025