

# General Service Bulletin

## Limit Switch Tripping - 95%, 2-Stage Gas Furnaces

### Models and Serial Range Affected:

Models	Beginning serial	Ending Serial
AUH2B080A9V3VA	7212*	8075*
AUH2D120A9V5VA	7212*	8075*
TUH2B080A9V3VA	7212*	8075*
TUH2D120A9V5VA	7212*	8075*


ORDER No: FURN-SVB29A-EN

DATE: September 8, 2008

#### **NOTICE:**

Warnings and Cautions appear at appropriate sections throughout this manual. Read these carefully.

 **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, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

**CAUTION** – Indicates a situation that may result in equipment or property-damage-only accidents.

### Introduction

This Service Bulletin is to inform distribution associates of an issue with the high temperature limit switch operation in 95% AFUE, 2-Stage Residential Gas Furnaces. This bulletin is not being issued to address any safety issue or concern.

We have received isolated reports on affected models of nuisance tripping on the high temperature limit control. Lab testing of field returned furnaces has indicated a misdirected airflow was present within the heat exchanger assembly. The misdirected airflow was caused by some of the fins on the “leaving air” side of the secondary heat exchanger (the recoup cell) being bent. This creates reduced airflow over the high temperature limit control causing the control to open. The affected serial number range is 7212\*\*\*\*\* through 8075\*\*\*\*\*.

## Corrective Action

Evaluate the furnace installation and setup and correct any observed deficiencies.

- Measure total external static pressure, gas input rate and temperature rise
- Compare these measurements to the published values in the Service Facts
- Inspect filters and other airside accessories
- Correct any errors in setup or other system problems such as restricted duct-work, dirty filters or air conditioning coils, etc.

If the problem persists on the models \*UH2B080A9V3VAA or \*UH2D120A9V5VAA there is a replacement limit switch kit (KIT15182) available. This kit contains a higher setting limit switch (230°F) and a label to indicate that the furnace has been retrofitted with the higher temperature switch. The label is in the kit to help ensure any future limit switch replacement on that particular furnace does not revert to the original part.

## Product Changes

Changes were implemented in manufacturing in units built on or after February 18, 2008 (8081\*\*\*\*\* and later date codes) to ensure the fins of the secondary heat exchanger do not become distorted.

## Questions

Dealers and Distributor personnel Contact your local Field Service Representative.

FSRs should contact Field Operations Excellence -Technical Solutions Team.

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<b>Supersedes</b>	<b>New</b>
<b>Stocking Location</b>	<b>Electronic Only</b>
<p><b>Trane has a policy of continuous product data and product improvement and reserves the right to change design and specifications without notice. Only qualified technicians should perform the installation and servicing of equipment referred to in this bulletin.</b></p>	