

General Service Bulletin

Evaporator Condensate Dripping on Filters and Infiltrating Return Section Voyager™ Light Commercial T/YHD150-300 Product Code: 0463, 0467

ATTENTION: Warnings, Cautions, and Notices appear at appropriate sections throughout this literature. 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, 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.

⚠ 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.

⚠ 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 electrical codes.

⚠ WARNING

Personal Protective Equipment (PPE) Required!

Installing/servicing this unit could result in exposure to electrical, mechanical and chemical hazards.

- 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 Material Safety Data Sheets (MSDS)/Safety Data Sheets (SDS) and OSHA guidelines for proper PPE.
- When working with or around hazardous chemicals, **ALWAYS** refer to the appropriate MSDS/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.**

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

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Revision History

RT-SVB130A-EN (03 March 2016)

- First version of this literature

Introduction

The purpose of this service bulletin is to advise the field of a problem associated with evaporator condensate water dripping onto the air filters and infiltrating into the return section of the unit.

The action described in this bulletin is NOT being taken to address a safety concern.

Affected Units

Voyager™ Light Commercial high efficiency units, YHD150-300 and THD150-300, with model digit 7 = G.

The serial date range of affected units include serial numbers from 1501*****D to 1548*****D.

Discussion

Some Voyager Light Commercial units have been found to allow water from the evaporator coil to drip onto the air filters on the return side of the evaporator coil. Affected units may still allow water dripping off of the coil even if the unit has proper airflow.

Typically this results in filters getting wet on the bottom of the filter where it rests in the filter rack channel. Water may also migrate into the floor of the return section of the unit.

Additionally the drain pan may be incorrectly installed allowing the condensate to drain into the return section of the unit instead of the drain pan itself.

Corrective Action

⚠ WARNING

Hazardous Voltage!

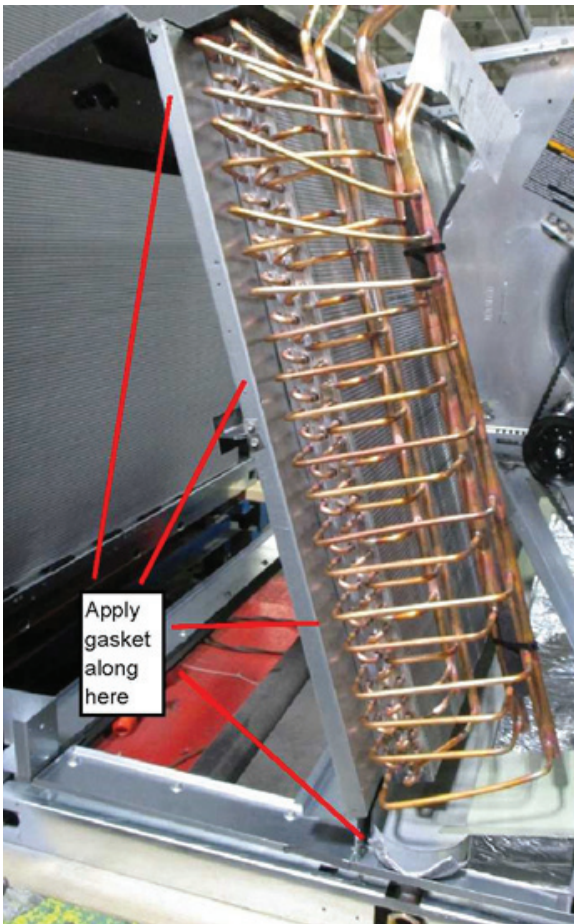
Disconnect all electric power, including remote disconnects before servicing. Follow proper lockout/tagout procedures to ensure the power can not be inadvertently energized. Failure to disconnect power before servicing could result in death or serious injury.

Units that experience air filters getting wet may be missing a gasket along one or both sides of the evaporator coil. This missing gasket allows air to bypass the evaporator coil on either side which prevents the evaporator coil from retaining condensate in the coil as it travels down the coil to the drain pan.

Units experiencing this issue will require the installation of 2 strips of gasket material, one on each side of the evaporator. Some units may only need gasket on one side.

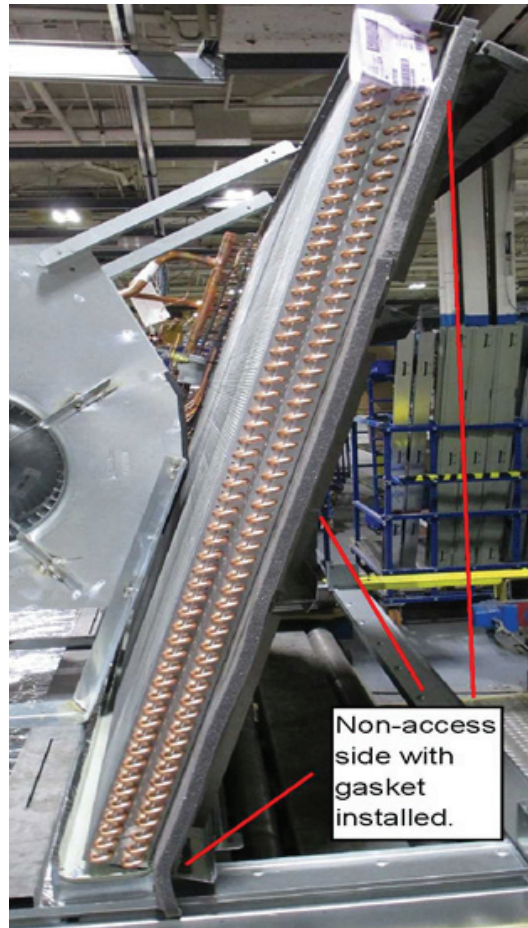
1. Apply foam gasket to the access side if missing. See [Figure 1](#).

Figure 1. Apply foam gasket to the access side



2. Apply gasket to non-access side if missing. See [Figure 2](#).

Figure 2. Apply gasket to non-access side

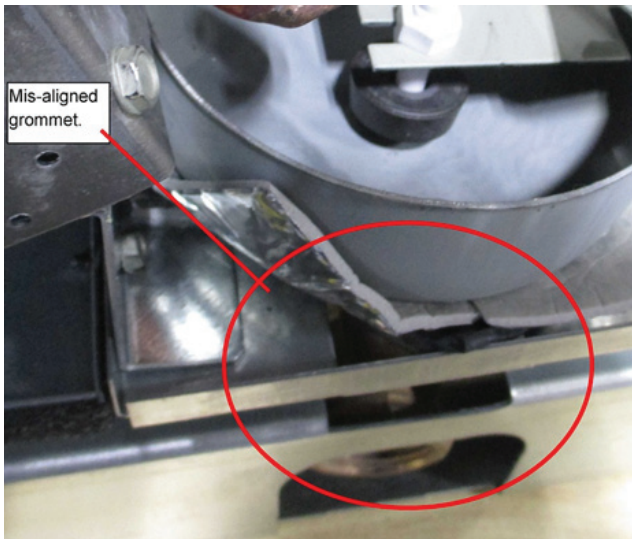


3. Units with mis-aligned condensate drain pans may have an incorrectly installed rubber grommet. If this grommet is turned in the wrong direction it will not allow the drain pan to align properly. Adjust this grommet as needed. No new parts are necessary for this re-alignment. See [Figure 3](#) and [Figure 4](#).

Figure 3. Close-up of a correctly aligned drain pan under the evaporator coil



Figure 4. A mis-aligned grommet does not allow for proper drain pan position



Parts Ordering Information

Obtain one roll of gasket INS00307 per unit from the local Trane Parts Center.

Material Disposition

Dispose of all parts, including any unused parts and materials, in accordance with federal, state, and local laws and ordinances.

Questions

If you have questions and are a Trane Distributor or a Commercial Sales Office, contact Light Commercial Technical Service in Clarksville, TN. If you are not a Trane distributor or a Commercial Sales Office, contact the local Trane distributor or a Commercial Sales Office.

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