



SB0033 (Supersedes 305 Version)

208

File In: N/A

ESG SERVICE BULLETIN

Affected Equipment: Coils Manufactured in East York & Monterrey Stiva Facilities and Used in Solution and York Custom Products and as Loose & Booster Coils

Subject: Airside Coil Leaks - Information Required for Warranty/Product Improvement

Issue Date:

Withdrawal Date: N/A

Data Control Level: B

Materials Needed: None

Tools Required: None

Estimated Time Required: N/A

Warranty: Yes

Revision Notes: N/A

GENERAL

This Service Bulletin describes procedures to be used for reporting coil leaks that occur during the standard warranty period. Data gathered from completed Coil Leak Checklist list will be used for manufacturing quality assurance.

Any coil leaks reported within the standard warranty period must be investigated by YORK Service and the following information provided to Product Technical Support (Technician must fill out form 100.00-CL2 - attached to this bulletin): The following list identifies where this information can be found and entered on the checklist.

1. **COIL MODEL AND SERIAL NUMBER.** This is found on the coil identification label at the top of each coil "IN" header and on the unit exterior or inside a pipe chase. Many air handling units built by JCI/YORK will have multiple coils each having its own label.
2. **YORK SALES ORDER NUMBER.** This is found on the coil identification label also.
3. **UNIT TAG NUMBER.** If coil is an integral part of a YORK air handler, provide the tag number (AHU-1, RTU-1, MAU-1, etc.). This number is found on the air handler and on the coil identification tag.
4. **BRAZING/TESTING LABEL.** This label is found on the "IN" header body, second label down from top. It has (3) two digit numbers written in bold marker. They are: Header End, Return End, and Tested By.
5. **DESCRIBE LOCATION OF LEAK.** Fin area top, fin area bottom, fin area middle, fin area near header end, fin area near return end, Return bend, Header, Connector, Drain connection, Vent connection, Tube, Distributor on DX, Distributor tube on DX, Hot gas connection on DX.

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service bulletin are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.

6. DETERMINE TYPE OF LEAK. Leaky braze joint, puncture (by what), damage (how caused) split in tube (swelled), split in tube (no swelling), crack in braze, crack in return bend, insufficient amount of braze material.
7. DIGITAL PHOTOS: Digital photos (1 OR 2) of the leak prior to repair are required (limit file size).
8. COMMENTS: Contact Product Technical Service for Authorization and Determination to REPAIR or REPLACE any coil under warranty.

Request disposition:

1. Product Technical Support and/or Quality Assurance will determine if defective coil is to be returned to the coil manufacturing facility.
2. Coil manufacturing will not accept any coil returns without Return Goods Authorization (RGA) form attached. Contact Product Technical Support
3. Returned coils will or will not be tested for leaks at the plants discretion. If the coil was repaired for temporary use prior to change out, note this on the RGA form.

Product Technical Support-Airside: 800-838-7219 extensions 7527 (Paul Murphy), 7985 (Ute Perkins) or 6775 (Pat Doyle).



Coils damaged during or after delivery are not covered under warranty. Check for damage to connectors protruding from air handler or duct and for "freeze up" where lower tubes or return bends of a coil are swelled and split.

COIL LEAK CHECKLIST

COIL DATA

1. - COIL MODEL # _____
 COIL SERIAL # _____

2. - YORK SALES ORDER # _____ JOB NAME _____

4. - BRAZING/TESTING LABEL: Header End _____ Return End _____ Tested By _____

AIR HANDLER MODEL # (IF YORK) _____ 3. - UNIT TAG# _____

WARRANTY CLAIM # _____ SD# _____

5. - LOCATION OF LEAK (List & identify all leaks):		
<input type="checkbox"/> Fin area top	<input type="checkbox"/> Fin area bottom	<input type="checkbox"/> Fin area middle
<input type="checkbox"/> Fin area near header end	<input type="checkbox"/> Fin area near return end	<input type="checkbox"/> Vent & drain plug
<input type="checkbox"/> Header	<input type="checkbox"/> Connector	<input type="checkbox"/> Distributor on DX
<input type="checkbox"/> Vent connection	<input type="checkbox"/> Tube	<input type="checkbox"/> Drain connection
<input type="checkbox"/> Distributor tube on DX	<input type="checkbox"/> Hot gas connection on DX	<input type="checkbox"/> Spud (tube between header & coil)
<input type="checkbox"/> Return bend header end	<input type="checkbox"/> Return bend return end	<input type="checkbox"/> Other

6. - TYPE OF LEAK (List & identify all leaks):		
<input type="checkbox"/> Leaky braze joint Why: _____ _____ _____	<input type="checkbox"/> Puncture By what: _____ _____ _____ _____	<input type="checkbox"/> Damage How caused: _____ _____ _____
<input type="checkbox"/> Split in tube (swelled)	<input type="checkbox"/> Split in bend (swelled)	<input type="checkbox"/> Hole in braze
<input type="checkbox"/> Insufficient amount of braze material	<input type="checkbox"/> Crack in tube - crosswise	<input type="checkbox"/> Crack in tube - lengthwise
<input type="checkbox"/> Crack in bend - crosswise	<input type="checkbox"/> Crack in bend - lengthwise	<input type="checkbox"/> Other

7. - DIGITAL PICTURES	
Photo#	Description

8. - COMMENTS