



It's time to get comfortable.

Johnson Controls Unitary Products
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Date: March 04, 2014

YS-007-14

To: All York Distributors
All York Branches
All Regional Managers

Subject: 13 SEER, 5 Ton MicroChannel Coil Leaks
YCJD, TCGD, TCJD & GCGD Units.

We have received reports of refrigerant leaks occurring at the copper to aluminum connection on the above referenced units. Investigation has confirmed the issue to be at that location, however, the leak is due to a fatigue crack in the copper tube – not the copper to aluminum joint.

As discussed at the fall Tech Conference, our engineering group determined a resonance frequency from the compressor to be the cause for the issue. The compressor vendor was changed in August 2012, which corresponds to the production dates of units experiencing this issue.

Our engineering group has worked with the vendor and determined that adding weight to the discharge line dampens the effect of the resonance frequency and eliminates the issue. For field installed units, we have set up a kit in Source 1 that will provide two 120 gram weights that should be installed on any 13 SEER, 5 ton units referenced above in the locations shown in Figure 1. The kits can be ordered from Source 1 beginning in March under part number S1-37327978001.



In January 2014 (W1A4 serial number prefix), a redesigned discharge tube was put into production. The new design was tested and confirmed to eliminate the resonance frequency.

We recommend that field installed units referenced in this service letter that have not experienced a leak at this location have the Source 1 kit installed during preseason check-ups. This service letter will allow one hour labor credit, plus the cost of the kit.

Units that experience a leak in this location will need to have the coil replaced and the redesigned discharge tube installed to prevent future issues. This service letter will allow the standard 4 hour labor allowance for subject units that are beyond the 30 day DOA labor allowance for replacement of the coil and redesigned discharge line, plus refrigerant. Please refer to this service letter when submitting a warranty claim for either installation of the Source 1 kit or replacing the coil and discharge line. The redesigned discharge line is available from Source 1 under part number S1-07327984001.

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