

ACCESSORY KIT INSTALLATION MANUAL

MICROCHANNEL COIL REPAIR KIT S1-37327803001 FOR USE WITH MODELS: ALL ALUMINUM MICROCHANNEL COILS

INSTALLATION

1. Locate source of leak. If the leak is on the microchannel tube and is easily visible, skip Step 2 and proceed with Step 3. Figure 1 is an example of a visible leak or a leak on the edge of the microchannel tube.

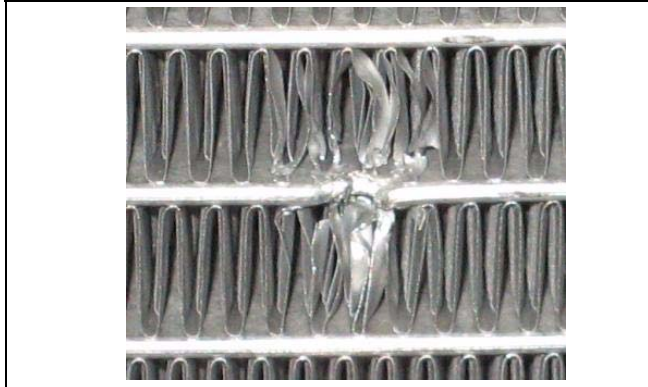


FIGURE 1: Damage Microchannel Tube

2. If the leak is not visible or cannot be detected on the edge, then the fin material adjacent to the leak will have to be removed so that the leak can be pin pointed and properly filled. Remove about ½ inch of fin material all the way around the leaking micro channel port.
3. Remove all refrigerant or nitrogen from system, there can be no pressure in the coil.
4. Clean the area around the leak with the wire brush provided. Brush the leak area with an upward and downward motion as to not bend the aluminum fins. Refer to Figure 2.



FIGURE 2: Clean Leak Area

5. Connect vacuum pump to unit and pull coil into vacuum. Heat the leak location directly and add OMNI brazing filler metal until leak is filled. AVOID OVERHEATING.



FIGURE 3: Repair Leak

CAUTION

DO NOT USE Oxy-acetylene for this operation. High temperature torches can easily overheat aluminum and cause damage to coils. Air-acetylene or MAPP gas is suggested for use.) Refer to Figure 3.

6. Let areas cool slowly and do not use water to cool. An example of a repaired leak can be seen in Figure 4.

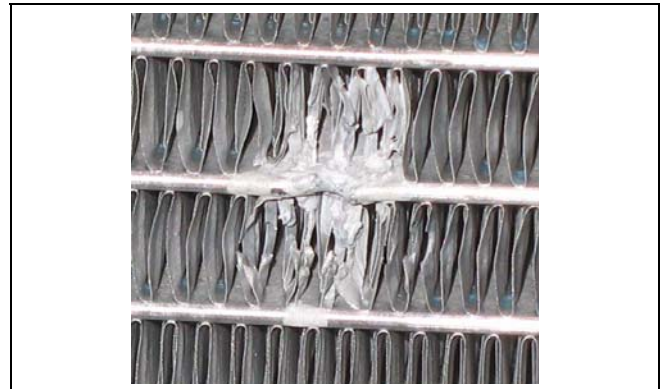


FIGURE 4: Finished Repair

7. Leak check with nitrogen.
8. No cleaning necessary. If leak is found, repeat process beginning with Step 1.
9. Replace liquid line drier. Dehydrate the refrigerant system by pulling a “deep” vacuum (less than 500 microns).