

EVAPORATOR SINGLE TUBE COIL KIT

PART NO. 3108704.523

! WARNING

These instructions should be read and understood before installation, adjustment, service or maintenance is performed. This unit must be installed and serviced by a qualified serviceman. Modification of this appliance can be extremely hazardous and could result in personal injury or property damage.

THIS KIT CONSISTS OF:

(1)	3100245.517	Capillary Tube
(1)	20309.044	Process Tube
(1)	3107338.000	Evaporator Coil
(1)	3107480.000	Instructions

GENERAL INSTRUCTIONS

This replacement Evaporator Coil Kit is designed for field replacement of the original evaporator coil on Duo-Therm BriskAir Air Conditioners. Due to changes in the location of the refrigerant tubes within the evaporator coil, replacement installation will require the opening for the suction line to be enlarged. This can be done with a pair of tin snips.

This Kit should only be installed by a qualified service person who is trained in refrigeration. In some states they are required to be licensed.

Read these instructions in their entirety BEFORE installing the replacement evaporator coil.

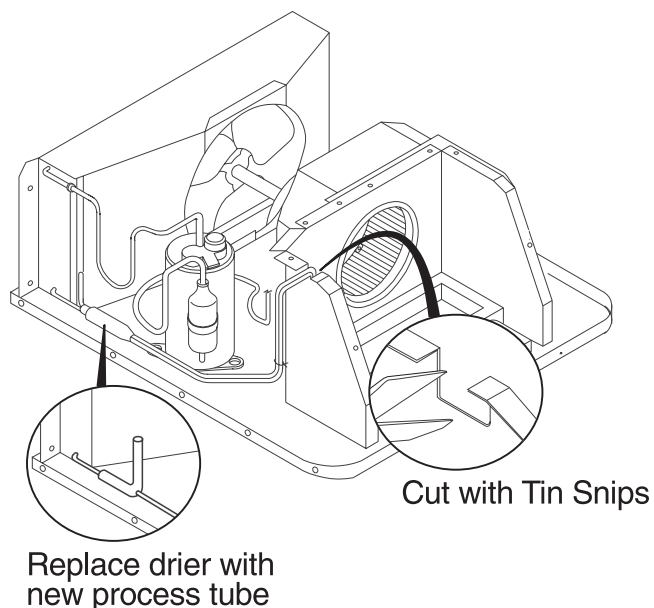
Procedure for Removing the Defective Coil

1. Turn off all 12 volt DC and 115 volt AC electrical power to the air conditioner.
2. Remove the outer shroud and the evaporator bulkhead cover to gain access to the evaporator coil.
3. Remove the screws that secure the evaporator coil into the bulkhead.
4. Remove the refrigerant from the sealed system. NOTE: The Clean Air Act of 1990 set guidelines in regard to recapturing and disposing of refrigerants. Check with local authorities to determine the proper handling or evacuation of refrigerants.
5. Use a piece of sheet metal to protect paint and foam insulation from damage, and remove the capillary tubes, drier and coil.

Procedure for Installing New Coil

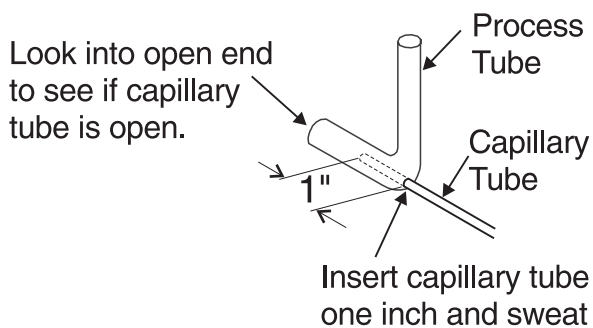
1. Set the new coil into the evaporator bulkhead. Check to determine if the opening through the bulkhead for the suction line needs to be enlarged. Use tin snips to cut away the sheet metal that obstructs connection of the refrigerant line to the coil. (See FIG. 1).

FIG. 1



2. Form the capillary tube in the in same general shape as the original. Insert the capillary tube into the new coil about one inch, or far enough that the solder will not plug the end. Sweat the capillary tube into the new coil.
3. Insert the remaining end of the capillary tube into the new process line approximately one inch. Sweat the capillary tube and process line together. You can inspect the end of the capillary tube for an obstruction by looking into the open end of the process line. (See FIG. 2).

FIG. 2



4. Place the new coil into the evaporator bulkhead and secure it with the screws removed earlier.
5. Sweat the suction line in place on the new evaporator coil. Install the new process line with the capillary tube in the place where the old drier was removed. (See FIG. 2)
6. Seal the opening around the suction line and capillary tube with dumb-dumb putty.
7. Connect the manifold gauges to the open port on the process line. Pressurize the refrigerant system and check for leaks.
8. Evacuate the system and recharge with the information listed on the data tag.
NOTE: The Clean Air Act of 1990 set guidelines in regard to recapturing and disposing of refrigerant. Check with local authorities to determine the proper handling or evacuation of refrigerants.
9. Replace evaporator cover and shroud. Turn on 12 volt DC and 115 volt AC to the air conditioner and test for proper operation.