

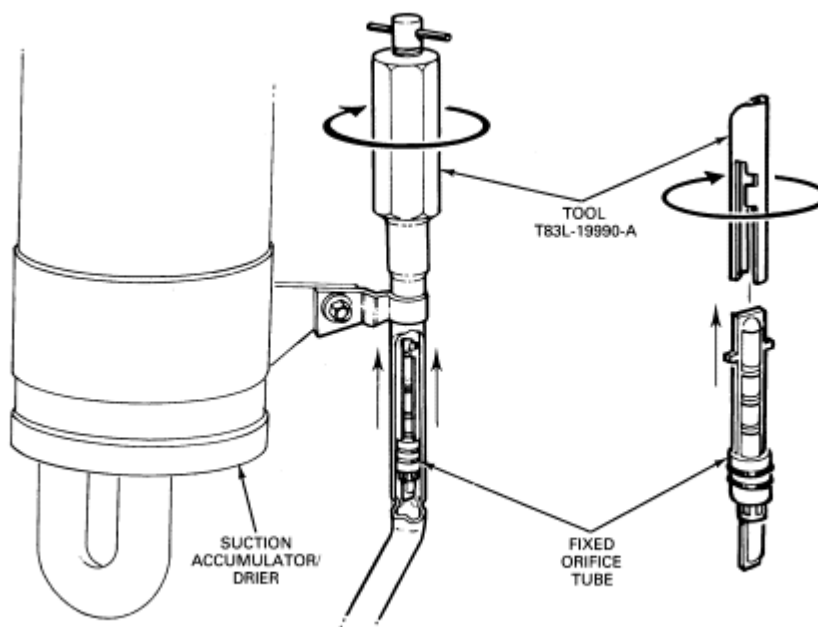
REMOVAL AND INSTALLATION

Fixed Orifice Tube

The fixed orifice tube is constructed with a plastic body, two screens and a small brass tube down the center of the orifice body. Two O-rings are around the orifice tube body to seal against leakage.



CAUTION: DO NOT attempt to remove the fixed orifice tube with pliers or to twist or rotate the orifice tube in the evaporator core tube. To do so will break the fixed orifice tube body in the evaporator core tube. USE ONLY the recommended tool following the recommended service procedures.



CCL 2714-B

Removal

1. Discharge refrigerant from air conditioning system following recommended service procedures. Observe all safety precautions.
2. Disconnect liquid line from evaporator core using specified spring lock coupling tool. Cap liquid line to prevent entrance of dirt and excessive moisture.
3. Pour a small amount of clean refrigerant oil into evaporator core inlet tube to lubricate tube and orifice O-rings during removal of fixed orifice tube from evaporator core tube.
4. Engage the Orifice Tube Remover and Installer T83L-19990-A (Motorcraft YT-1008) or equivalent with the two tangs on the fixed orifice tube.



CAUTION: Do not twist or rotate the fixed orifice tube in the evaporator core tube as it may break off in the evaporator core tube.

5. Hold T-handle of Orifice Tube Remover and Installer T83L-19990-A (Motorcraft YT-1008) or equivalent to keep it from turning and run nut on tool down against evaporator core tube until orifice is pulled from tube.

6. If fixed orifice tube breaks in evaporator core tube, it must be removed from tube with Broken Orifice Tube Extractor T83L-19990-B (Motorcraft YT-1009) or equivalent.
7. To remove a broken orifice tube, insert screw end of Broken Orifice Tube Extractor T83L-19990-B (Motorcraft YT-1009) or equivalent into evaporator core tube. Thread screw end of tool into brass tube in center of fixed orifice tube. Pull fixed orifice tube from evaporator core tube.
8. If only brass center tube is removed during Step 7, insert screw end of the Broken Orifice Tube Extractor T83L-19990-B (Motorcraft YT-1009) or equivalent into evaporator core tube and screw end of tool into fixed orifice tube body. Pull fixed orifice tube body from evaporator core tube.

Installation

1. Lubricate O-rings on fixed orifice tube body liberally with clean refrigerant oil.
 2. Place fixed orifice tube in Orifice Tube Remover and Installer T83L-19990-A (Motorcraft YT-1008) or equivalent, and insert fixed orifice tube into evaporator core tube until orifice is seated at stop.
 3. Remove Orifice Tube Remover and Installer T83L-19990-A or equivalent from fixed orifice tube.
 4. Using a new O-ring lubricated with clean refrigerant oil, connect liquid line to evaporator core tube. Push spring lock coupling until it snaps securely in place. Pull back to make sure connection is completed.
 5. Leak test, evacuate and charge system following recommended service procedures. Observe all safety precautions.
 6. Check system for proper operation.
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