



Receiver Drier Installation Instructions

Prior to the installation of this DENSO First Time Fit® Receiver Drier Kit, you must read these instructions completely.

Definition of Terms

- ⚠ WARNING:** Describes precautions that should be observed in order to prevent injury or death to the user during installation.
- ⚠ CAUTION:** Describes precautions that should be observed in order to prevent damage to the vehicle or its components, which may occur during installation if sufficient care is not taken.
- NOTE:** Provides additional information that facilitates installation work.
-

General Service Information and Requirements

⚠ CAUTION: Only trained personnel who have a thorough knowledge of automotive air conditioning systems, the proper tools and an appropriate workspace should perform repairs to a vehicle's air conditioning system. In addition, only personnel trained in an approved refrigerant-handling program may recover refrigerant from and charge refrigerant to an automotive air conditioning system.

⚠ WARNING: It has been determined that mixtures of R-134a and air can result in combustion when exposed to an ignition source. Shop air should not be used for leak checking.

REQUIRED TOOLS:

- ☐ Safety Goggles
- ☐ Assorted Hand Tools
- ☐ Refrigerant Recovery Machine for specific (R-12/R-134a) refrigerant
- ☐ Charging Station / A/C Manifold Gauge Set for specific (R-12/R-134a) refrigerant
- ☐ Vacuum Pump for specific (R-12/R-134a) refrigerant
- ☐ Electronic Leak Detector
- ☐ Torque Wrench

SAFETY PRECAUTIONS:

- Always wear safety goggles.
- Avoid skin contact with refrigerant or refrigerant oil.
- Work in a well ventilated area.
- Never release refrigerant into the atmosphere.
- Never expose refrigerant containers to direct heat or temperature in excess of 125°F.
- Never expose refrigerant to an open flame.

⚠CAUTION: Do not remove protective caps from the receiver drier until it is ready for connection. If the receiver drier is left uncapped for a long time, the desiccant inside the receiver may absorb moisture, limiting its longevity. A poorly functioning drier may cause damage to the air conditioning system.

BLOCK UNION TYPE

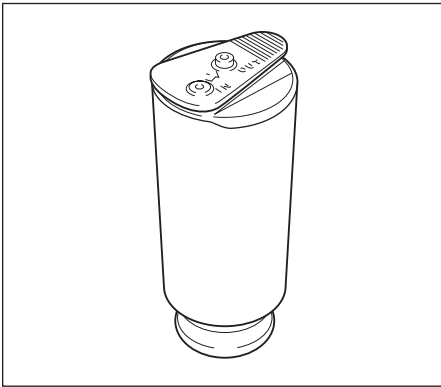


Fig. 1

UNION-NUT TYPE

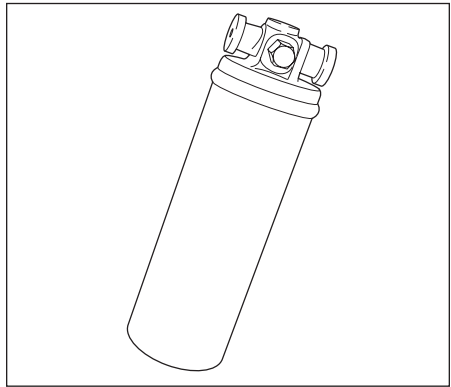


Fig. 2

Receiver Drier Removal

The information below explains necessary procedures and tools to remove and install receiver driers.

NOTE: For more detailed instructions please refer to the vehicle manufacturer's service manual.

1. Temporarily loosen the inlet and outlet bolts (for Block Union Type) or inlet and outlet tube fittings (for Union-Nut Type) on the receiver drier. The inlet connection at the receiver drier will be attached to the liquid tube leading from the condenser.
2. Loosen the retaining hardware securing the receiver drier in its holder.
3. Remove the two liquid tubes from the receiver drier. Be careful not to damage or deform the tubes during removal.
4. Remove the receiver drier.

Receiver Drier Installation

1. Using the proper refrigerant oil, lubricate and install the new piping O-rings (provided) onto the liquid tubes being installed on the receiver drier.

⚠CAUTION: Refer to the vehicle manufacturer's service manual for proper refrigerant oil.

2. Remove the protective cap and add 20 cc (0.7 fl. oz.) of the proper refrigerant oil to the "OUT" side of the receiver drier.
3. Install the receiver drier into the holder and position it as the previous unit, then hand tighten the retaining hardware.

BLOCK UNION TYPE

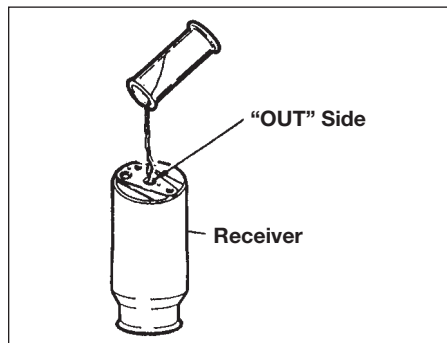


Fig. 3

UNION-NUT TYPE

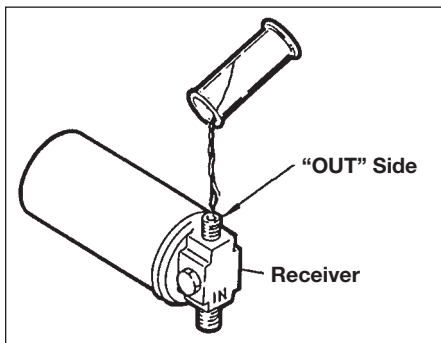


Fig. 4

4. Temporarily install the inlet and outlet bolts (for Block Union Type) or inlet and outlet tube fittings (for Union-Nut Type) on the receiver drier and hand tighten the fasteners. Do not fully tighten. Verify the liquid tube, routed from the condenser, is attached to the "IN" side of the receiver drier.
5. Tighten the retaining hardware securing the receiver drier in its holder.
6. Tighten and torque the liquid tube fasteners.

⚠CAUTION: Refer to the vehicle manufacturer's service manual for proper torque specifications.

NOTE: If the receiver drier is installed incorrectly, the system efficiency will be diminished.