

The Under Dash Unit

With basic tools installation can be quick and simple giving you the climate control you need for years to come.

An air conditioner's job is to dissipate heat from the air faster than it can be added. Therefore the highest performance will be achieved when your vehicle is air tight and well insulated.

For proper operation of your unit an electric, clutch style or fixed six blade fan with shroud should be utilized.

Precautions

- A. Lubricate all hose fittings and o-rings with refrigerant oil before making connections.
- B. Do not remove caps and plugs until hoses are ready to be connected.
- C. Avoid sharp bends and hot or moving parts when routing hoses.
- D. Allow enough hose length for engine movement.
- E. Protect hoses when passing through holes with sharp edges.
- F. Wrap #10 fittings with press tape to cover all metal surfaces.
- G. DO NOT cover any more of the #6 than done from the factory.

Installing the Under Dash Evaporator Assembly

1. Attach Drain tubes to the unit and connect them together with supplied T fitting.
2. Install mounting brackets using the 2 bolts included and the stud on the rear of the unit. Leave loose so desired position can be achieved during mock up.
3. With brackets loosely installed place unit under dash to check for clearance and correct fit.
4. Using a pencil or marker to indicate where holes will need to be drilled for heater and AC lines as well as where bracket will be attached.
5. Remove unit and check both sides of firewall before drilling any holes. Once holes are drilled remove all sharp edges.
6. Reposition the unit and fasten to the dash. Adjust brackets so that drains have a 10-15 degree downward slope and tighten.
7. Drill one 9/16 hole through firewall or floorboard below the unit for drain. Again check both sides for obstructions before drilling.

Wiring the Unit

1. The red wire is attached to a fused and switched +12 volt circuit.
2. The green wire is connected to the compressor.
3. A ground wire will need to be run to the rear mounting bracket stud.

Heating

1. Install heater lines being sure to place included water valve inline following the arrow for flow.
2. Attach the manual heater control cable to the water valve which is pull to open.
3. Make sure cooling system contains the proper amount of antifreeze before operating or warranty will be voided.

Condenser and Drier

1. There should be a 1/8" to 1/4" space between the condenser and radiator when properly attached.
2. The large fitting of the condenser will be mounted on the top side, tubes should never run vertical on a horizontal condenser or proper gas to liquid transition will not occur.
3. For A/C line routing refer to the hose kit instructions.
4. Caution should be taken when mounting the drier to assure that the flow arrow is pointed away from the condenser.
5. Once all lines are connected and system is sealed you can charge your system with 1.75 lbs of 134a Refrigerant.

Questions/Comments Contact Us

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