

PARTS PACKING LIST

Evaporator Assembly
Switch assembly
Relay & harness
Hardware package
Idle-up kit
Drain tube

16873 TOYOTA PICKUP 1989-95

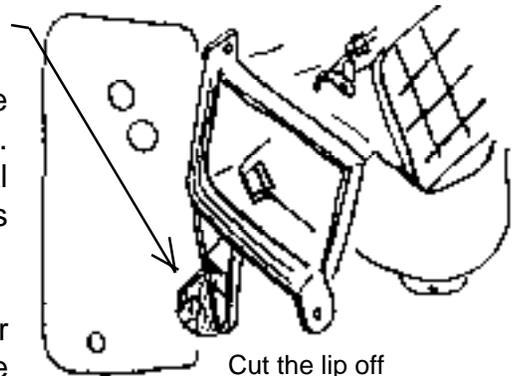


3601 W. Clarendon
Phoenix, Arizona 85019
(602) 233-0090

EVAPORATOR INSTALLATION INSTRUCTIONS

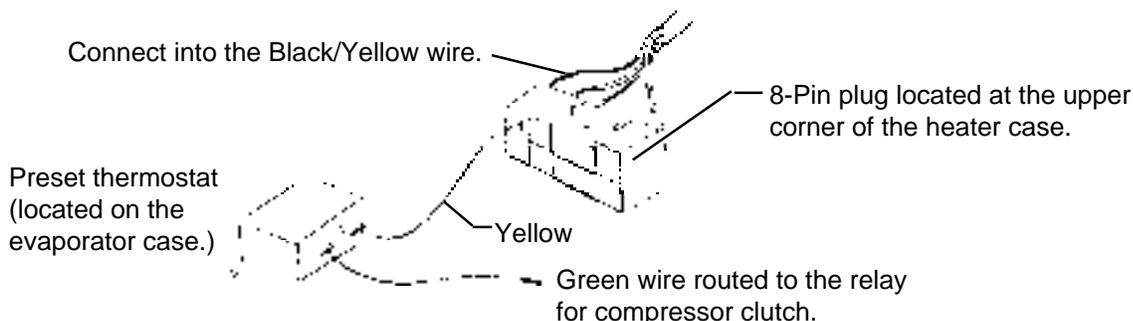
1. Remove the glove box and lower glove box/dash support bracket. (2 hex bolts below the glove box, 3 plastic snap pins holding vinyl glove box back, located near diamond arrows.)
2. Remove the 4 bolts retaining the air transition air duct and discard the duct.
3. Some models have knock out plugs for the refrigerant lines to go through the firewall. If so remove rubber plugs. If not, drill a 2-1/2" diameter hole located between the dimples on the firewall for the refrigerant lines to go through the firewall.

4. Cut off the plastic lip of the blower housing as shown.



5. Slide the evaporator assembly into position routing the green wire through the firewall with the refrigerant fittings. Secure the blower side of the evaporator with two original screws. On the heater side use phillips head screws through the flanges to secure tightly.
6. Knock out the square hole in the heater control panel for the A/C pushbutton switch. Push the A/C switch into the knock out. Switch should slide into the wiring plug in the back of the knock out, snapping into position.

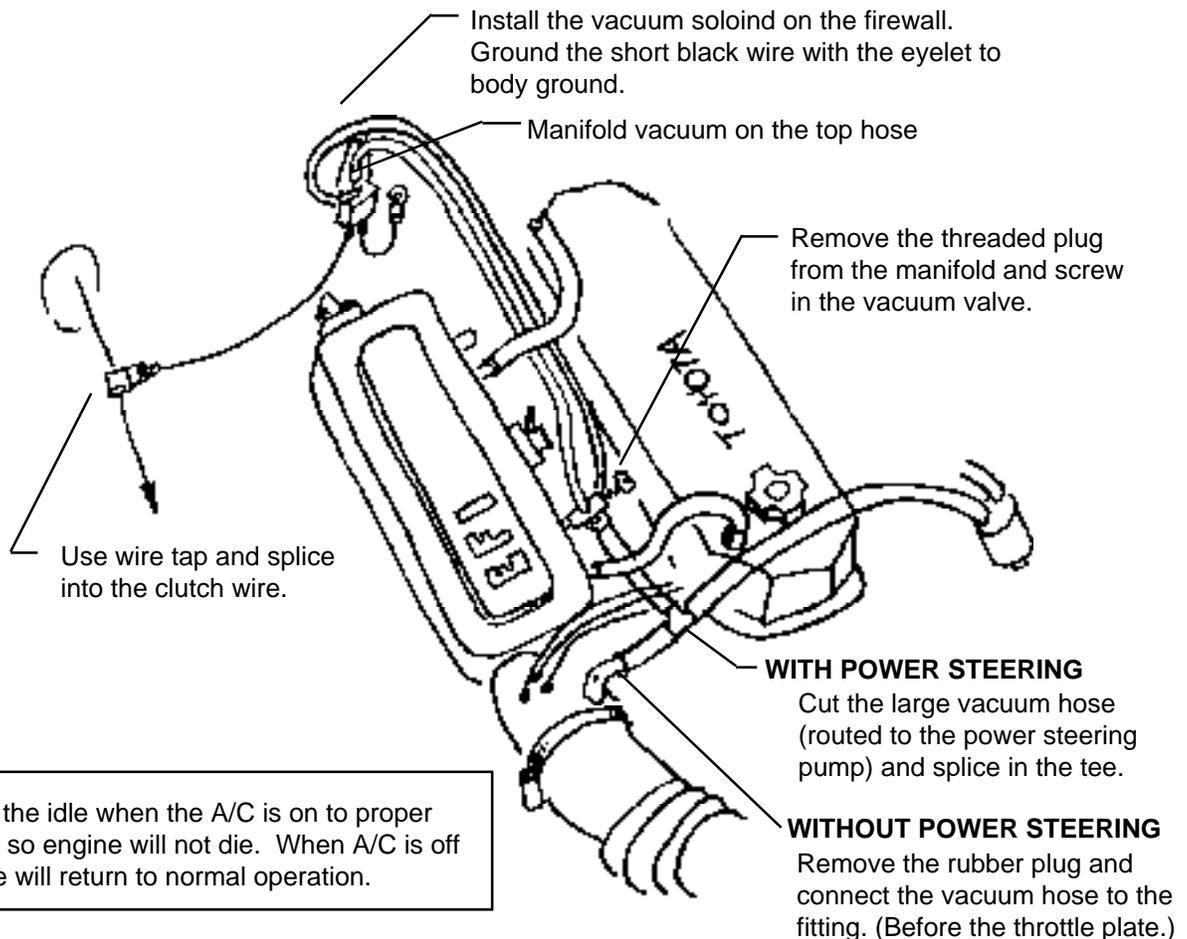
7. Locate the 8-pin wiring plug above the evaporator assembly. The yellow wire from the thermostat (located on the evaporator case) connect into the black/yellow wire of the 8-pin plug or cut the wire and use a butt connector to connect them together. Use the wiring diagram as a reference. (Supplies power when the A/C switch is depressed)



8. Connect the drain tube to the fitting on the bottom of the evaporator case and route through the floorboard. Reinstall the glove box support bracket & glove box.
9. Securely fasten the expansion valve to the evaporator fittings and connect the bulb of the valve to the large suction fitting. Connect the refrigerant lines to the fittings of the evaporator. Wrap the bulb of the expansion valve with prestite tape to insulate. Also put sealant around the hole in the firewall.
10. Mount the clutch relay near the fuse box next to the battery. Connect the green wire into the green wire from the thermostat. Connect the black wire with the round receptacle connector to the compressor clutch. Connect the long black wire with the 90° female slide spade terminal to the pressure switch on the dryer. Use the black short pigtail wire to ground the pressure switch. Connect the fused wire to the battery.

IDLE - UP KIT for EFI engines

Not used if engine has a carburator.



PARTS PACKING LIST

Condenser 2046 SFC
4- hoses
Hardware Package
Dryer
Prestite tape

16873B TOYOTA PICKUP



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CONDENSER INSTALLATION INSTRUCTIONS

1. Remove the front side marker lights and the front grill assembly. Attach the lower brackets on the condenser & 5/16" long liquid hose to the lower fitting as shown below. Remove the radiator mounting bolts and push the radiator towards the engine. Install the condenser assembly into the vehicle.

NOTE: On some older models with a larger core radiator there is not enough clearance to install the condenser between the radiator and front frame assembly. On these models use 1/2" spacer and 8mm x 30mm bolts to space the radiator for the clearance to install the condenser. (not included in this kit)

①

Note: Attach the 13/32" discharge hose with the SHORT DROP 90 degree fitting on the condenser before installing the assembly into the vehicle

Fittings out the passenger side of the vehicle

Route the upper hose to the discharge fitting of the compressor.

Route the lower hose to the inlet of the dryer

④ Secure the upper brackets onto the condenser using bolts & nuts

Self taper screws

②

Small fitting on the bottom

NOTE: Attach the long 5/16" liquid hose with 90 degree fitting on the condenser before installing the assembly into the vehicle

③

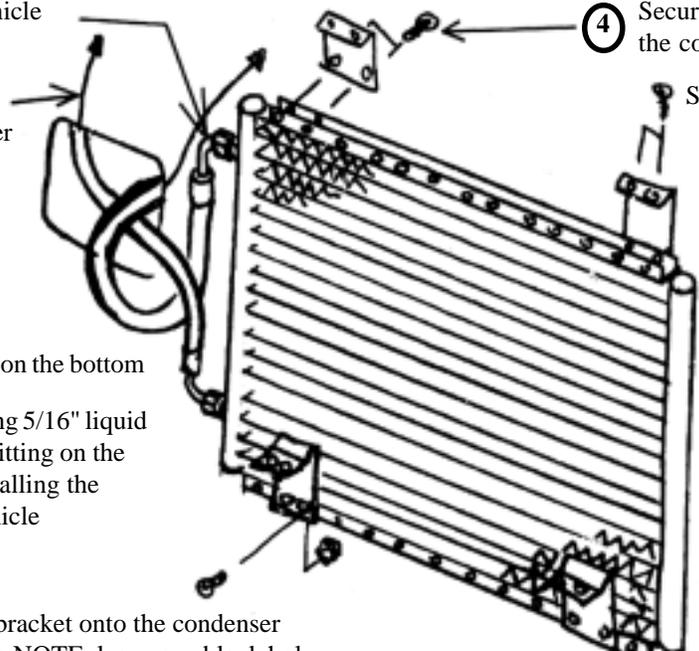
Secure the lower bracket onto the condenser using bolys & nuts. **NOTE:** leave one blank hole on either side of the bracket as shown.

⑤

Remove the bolts securing the radiator and push the radiator toward the engine. Slide the condenser into position.

⑥

Use the #8 x 1/2 selftapper screws to secure the upper & lower brackets to the metal cross supports. rescure the radiator. (Add spacer and long bolts if necessary for clearance of the radiator.)



2. Secure the discharge and the liquid hoses to the condenser routing through the large rectangular hole.
3. Mount the dryer as shown using the metal support bracket and large hose clamp. Attach the short liquid line between the expansion valve and the outlet of the dryer. Attach the other liquid line from the condenser to the inlet of the dryer.
4. Attach the discharge hose from the top of the condenser to the discharge port on the compressor.
5. Attach the straight fitting of the large suction hose to the evaporator fitting and the 90° fitting to the suction port on the compressor.
6. Reinstall the front grill and side marker lights.
7. Mount the clutch relay near the battery. Connect the green wire from the thermostat into the green wire of the relay. Ground the short black wire from the pressure switch. Connect the black wire with the round terminal into the compressor clutch. Connect the black wire with the 90° spade terminal on the open terminal of the dryer pressure switch. used wire connect the battery power.

NOTE: Clutch will turn on when A/C switch is on and system has refrigerant.

Thermostat (located on top of the evaporator)

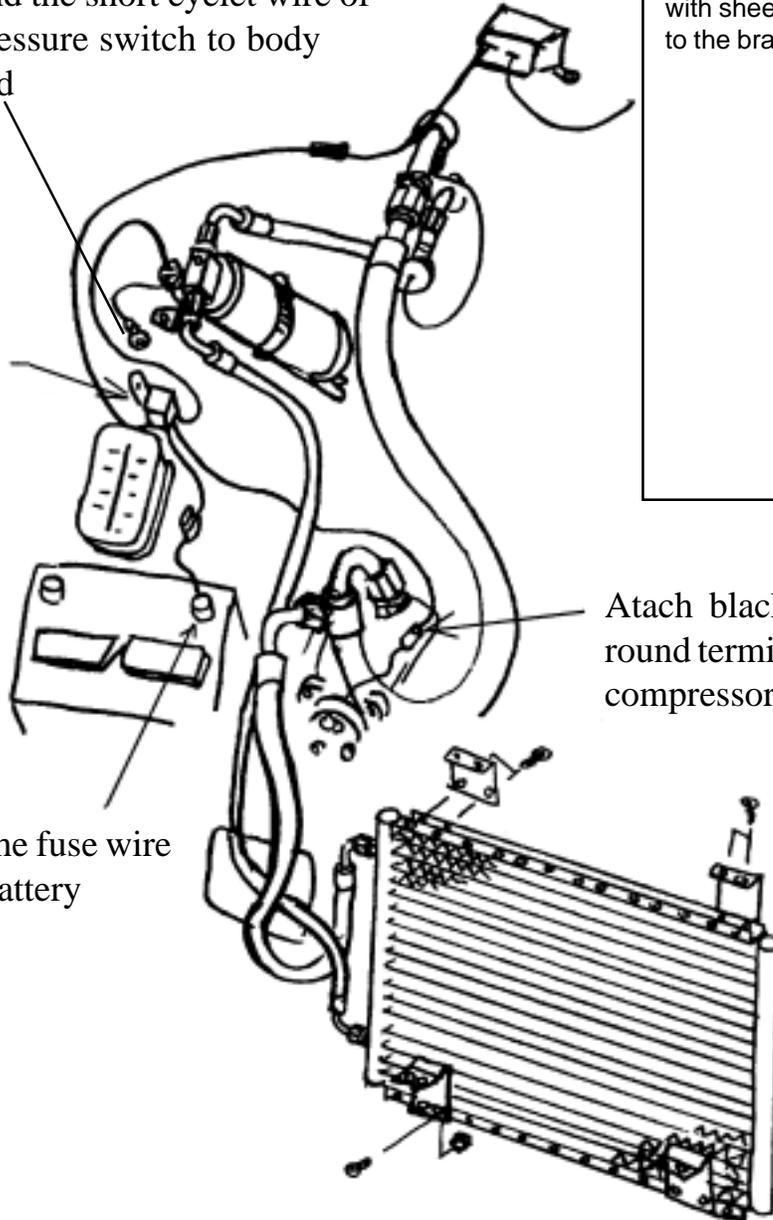
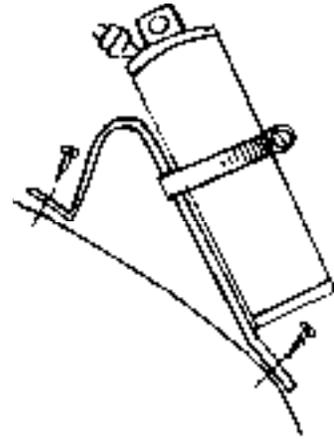
Ground the short eyelet wire of the pressure switch to body ground

Relay

Attach the fuse wire to the battery

Attach black wire with the round terminal into the compressor clutch wire

Mount the metal bracket to the fender well with sheet metal screw. Secure the dryer to the bracket with the large metal clamp.



Evacuate system for 1 hour then charge system with 24 oz off R134A refrigerant.