50-2551A
POA UPDATE KIT
(R-134a Refrigerant)

Cooling the Classics
OLD AIR PRODUCTS
Division of Cold Air Products Inc.

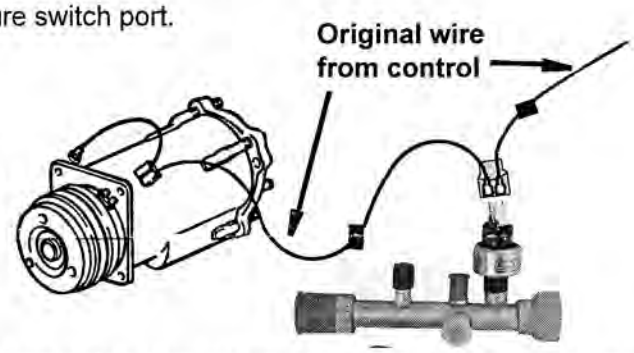
11-14-2008
(817) 531-2665
FAX (817) 531-3257
8744 Forum Way, Fort Worth TX 76140

INSTALLATION INSTRUCTIONS

1) A qualified technician should evacuate and reclaim existing refrigerant from system.
2) Remove original POA Valve from system.
3) Lubricate the large O-rings, supplied, with refrigerant oil. Replace the O-rings on the evaporator and suction fitting with these.
4) Attach the update body to the evaporator, and suction fitting In place of the POA Valve.
5) Using the two small O-rings seals (lubricated), attach the expansion valve equalizer tube, and the evaporator oil bleed line to the update body.
6) The thick O-ring (yellow) should be slipped onto the pressure switch port next to the large female nut of the update body.
7) Screw the pressure switch snugly onto pressure switch port.

WIRING MODIFICATIONS

1) Using wire crimper, and strippers, attach the wires from rubber boot connector, at the pressure switch to the middle of the power wire going to the clutch. Pull slightly on each crimp to test the crimp. It does not matter which electrical terminal Is the inlet or outlet of the switch.



2) Attach the rubber boot to switch and make sure terminals on switch go into connectors in boot verses beside. If not inserted properly it may cause intermittant clutch operation. Also check for clearance of electrical wires near hood hinge, some vehicles may require removing the rubber boot and using the 90 degree electrical terminals.

EVACUATION AND CHARGING, should be performed by a qualified technician.

I)Due to the Low Pressure Protection of the pressure switch, it will be necessary to use a jumper wire across the two terminals of the boot connector, while adding the first two pounds of refrigerant. (tip: a bent paper clip works well)

2) **If using 134a refrigerant**, the amount required is usually 10 to 15% less than the original R-12 charge. and the sight glass may not be clear when properly charged.

3) Pressure switch adjustment:
FOR 134A Refrigerant - no adjustment necessary, Clutch should cycle OFF at 22psi and ON about 42psi of low side pressure. (+,-3 PSI)

R-12 ONLY !!! It may be necessary to adjust the screw between the male electrical terminals of the pressure switch, 1/4 to 1/2 turn clockwise, so the clutch cycles OFF AT 27-30 psi. of low side pressure.

3) Leak test System after charging.

©Old Air Products 6/22/04