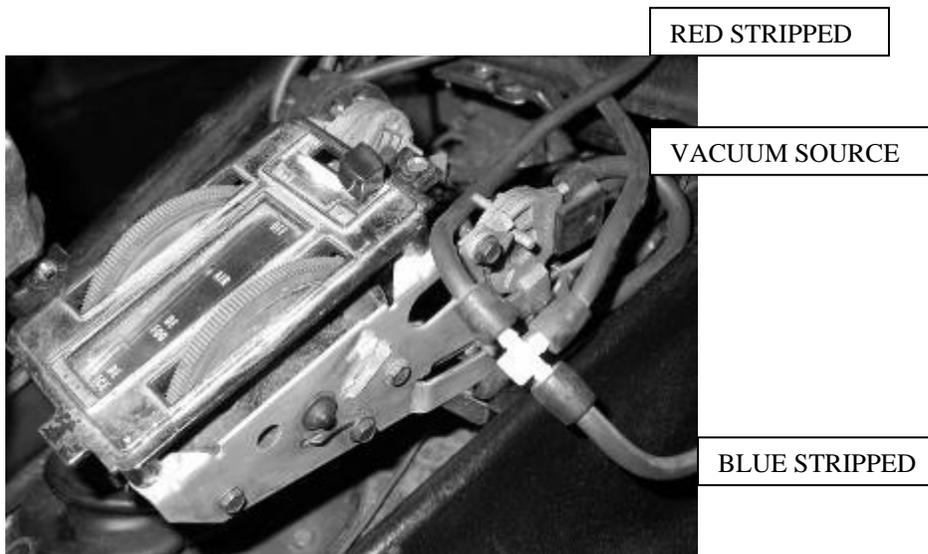


## 1969-73 MODEL CONTROLS WO FACTORY AIR



Locate the vacuum Tee from the control sack kit.

Attach the red stripped, the blue stripped and the black vacuum source to the Tee.

## 1969-73 MODEL CONTROLS W/WO FACTORY AIR

Reinstall controls into the console. Route the new control cables and harness extension under the radio and to the passenger side.

Attach the short red wire to the brown wire on the original blower harness plug.

Be sure that there is no exposed metal on the connector.



## 1968-73 MODELS W FACTORY AIR

Remove passenger kit panel retain hardware.

Remove and discard vacuum motor and mounting hardware.



Using the existing spring. Attach the end over the hole as shown. This will keep the fresh air door closed.

Reinstall the kick panel using the original hardware.



**Locate the 2" diameter flex hose. The hose should be 8 feet long. Be sure that the hose is stretched firmly when cutting to length.**



Locate the 2" dia flex duct and cut 21" from the 8 ft duct.

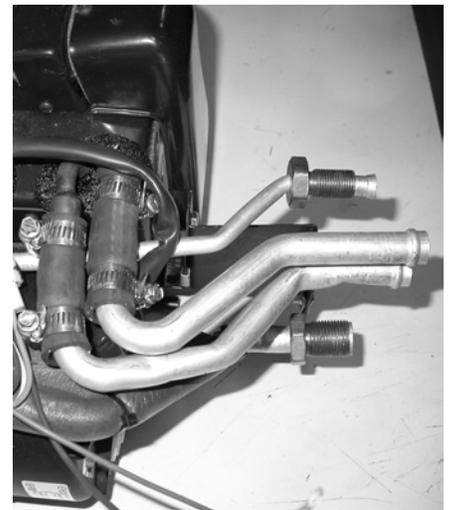
Attach to the outlet on the power pack using (1) #8 x 3/8" pan head screw.

Place the Power Pack on the bench.

Locate in hardware sack kit (2) heater hookup tubes, (2) pieces of 3" long heater hose, and (4) worm gear clamps.

Attach the shortest of the tubes to the rear heater connection using (1) piece of hose and (2) worm gear clamps.

Attach the longest of the tubes to the front heater connection using (1) piece of hose and (2) worm gear clamps.



**CAUTION: MAKE SURE THAT YOU HAVE THE CLAMPS TIGHT.**



Locate in the hardware sack kit the #6 liquid tube and (1) #6 o-ring. Attach the tube to the expansion valve using (1) #6 o-ring and a few drops of mineral oil. Tighten securely.

Locate the Suction Tube Assembly, and (1) #10 o-ring.

Attach the tube to the evaporator fitting using (1) #10 o-ring and a few drops of mineral oil. Tighten securely.



NOTE: LOCATE THE REFRIGERANT TAPE FROM THE HARDWARE SACK KIT.  
WRAP ALL EXPOSED METAL SURFACES ON THE SUCTION TUBE.

Refer to diagram. Attach the wire harness to the blower motor.

Tyrap the wire harness to the suction tube as shown.



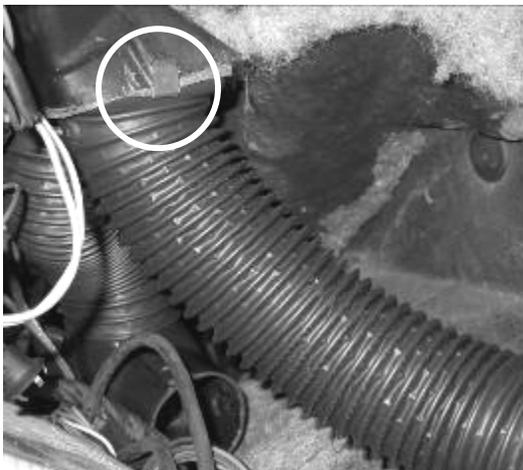
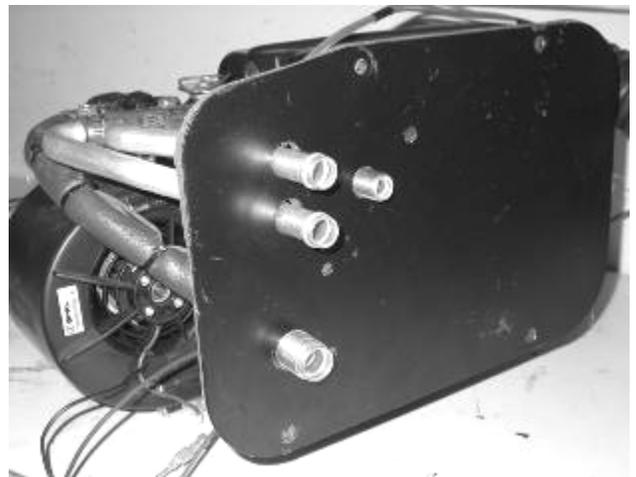
Route the harness over the top of the unit.

Attach the harness to the micro-switch and the thermostat.

Locate the firewall block off from the kit.

Check for the alignment of the tubes.

Place the block off aside.

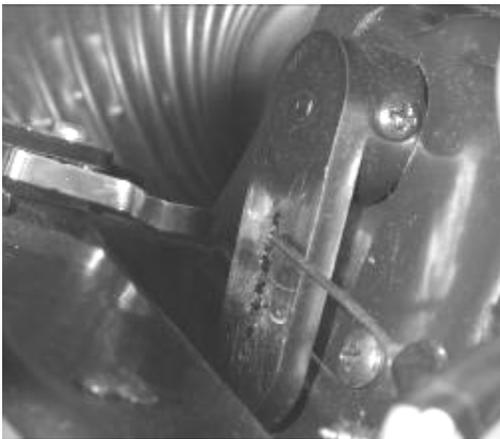


Locate the defrost hose adaptor assembly.

Insert the adaptor into the inlet of the defrost diffuser.  
Make sure that the s-clips are all the way into the plastic.

Place the power pack on the floor on the passenger side.

Locate the long defrost flex hose and attach to the left outlet on the back of the power pack.



Route the shortest cable around the backside of the radio and over to the power pack.

Insert the end of the cable into the 2<sup>nd</sup> hole from the centre of the crack arm.

Attach the cable to the power pack using (1) #8 pan head screw.



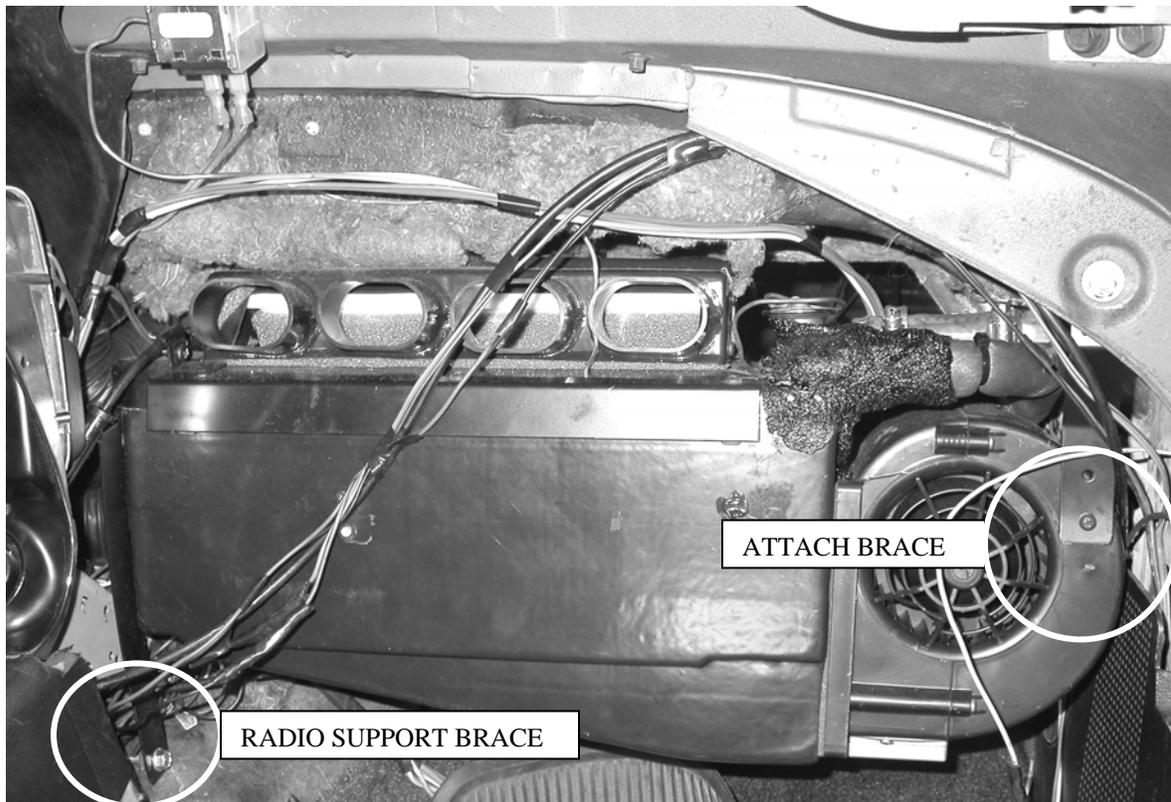
Locate blower support brace, (1) 1/4"-20 x 5/8" hex head screw, (1) 1/4" flat washer and (1) 1/4"-20 flange nut from the hardware sack kit.

Loosely attach the brace to the hole located above the passenger kick panel trim panel.

Corvette's with convertible tops locate and drill (1) 1/4" hole as shown.

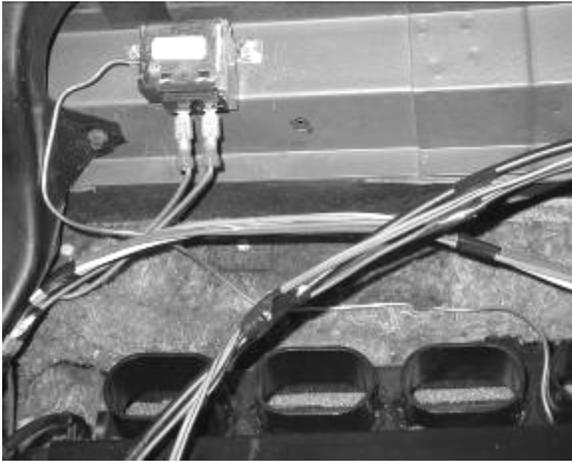


The picture below shows the power pack installed in the vehicle.



Locate the radio support bracket. Remove the screw and attach the left power pack support bracket to this bracket location using the original screw or locate (1) 1/4-20 x 5/8" hex head screw and nut from sack kit.

Locate (1) #8 x 3/8 pan head screw. Holding the power pack level attach the blower support brace to the blower using the #8 screw and a power screw driver.

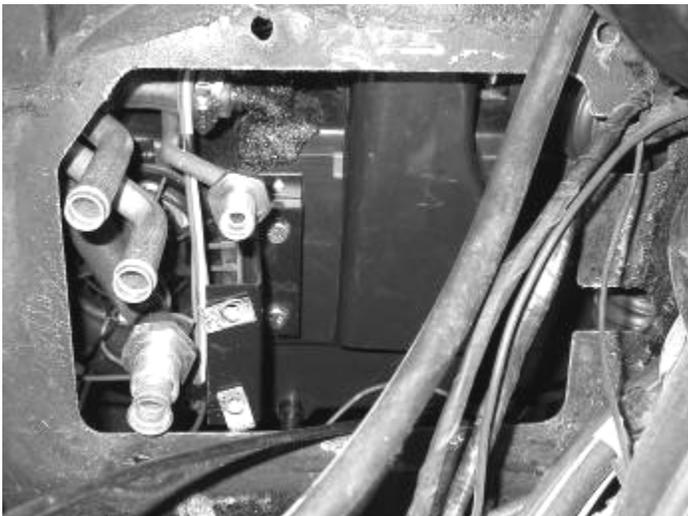
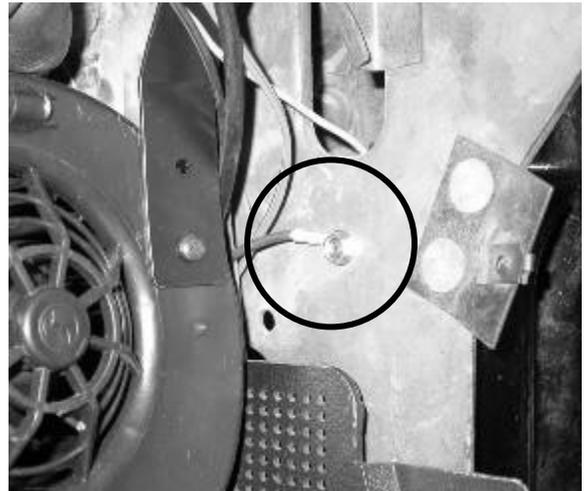


Attach thermostat to the body just to the right of the defrost duct.

Use (2) #10 tek screws supplied.

Locate the ground wire from the unit and (1) #10 tek screw.

Attach to the kick panel as shown.



View showing the engine side of the firewall.

**THE NEXT FEW STEPS ARE LOCATED IN THE ENGINE COMPARTMENT.**



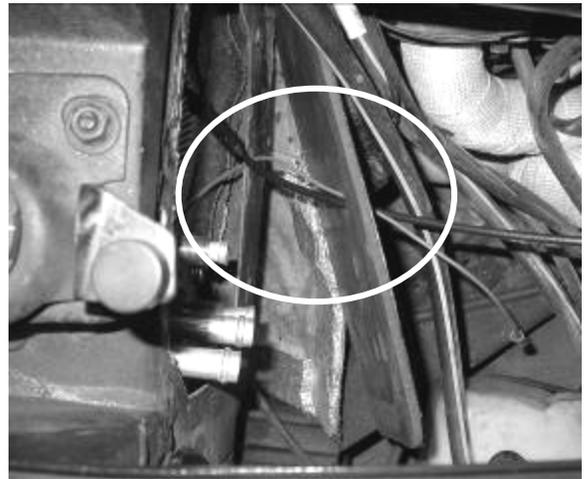
Locate in the unit box the inlet air block off.

Using the original nuts attach over the inlet hole as shown. tighten securely.

Locate the firewall block off supplied in kit also in the hardware sack kit, (6) 1/4"-20 x 1" hex head screws, and (4) 1/4"-20 flange nuts.

Place block off over the hole on the firewall.

Insert the Temperature cable and the blue clutch wire through the 5/8" hole.



The following sequence is recommended for the attachment of the unit to the block off.

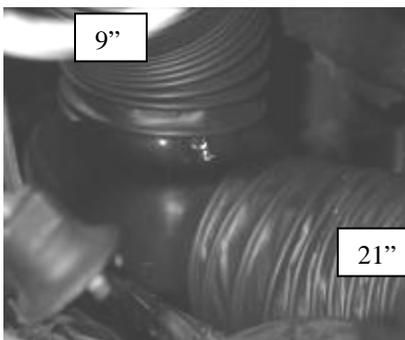
Insert the large bulkhead through the plate. Loosely attach the nut on to the bulkhead.

Insert the heater tubes through the block off.

Insert the small bulkhead through the block off. Loosely attach the nut on to the bulkhead.

Using an alignment tool attach to the rear heater mounting bracket using (2) 1/4" - 20 x 1" hex head screw. Do not tighten at this point.

Attach block off to the firewall using (4) 1/4"-20 x 1" hex head screws and flange nuts. Tighten all screws and bulkhead nuts securely.



Locate the defrost heater Y connector and attach the 9" hose to the left defrost hose adaptor.

Route the 2" flex hose from the back of the power pack across and behind the radio and attach to the defrost heater Y connector.



Locate (1) #10 x 1" pan head screw.

Attach to the drivers side of the dog house.



### HEATER ONLY 68-73



Locate the centre air distribution assembly and the 2" dia flex duct and cut (1) piece 36" long. Attach to the left outlet using (1) #8 x 3/8" pan head screw.



Locate the original centre bezel, and the trim template from the last page of the instructions.

Cut out the template and tape to the centre Bezel as shown.

Cut out the shaded area.

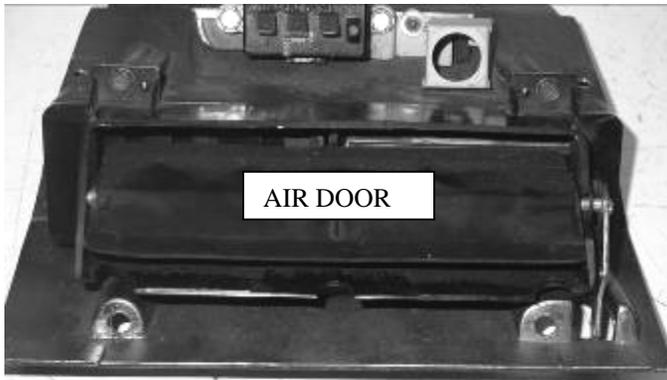


**CAUTION: CUT CAREFULLY. CHECK THE LOUVER ASSEMBLY FOR FIT. IT MAY BE NECESSARY TO FILE THE OPENING TO SIZE.**

Install new louver into the centre dash bezel.



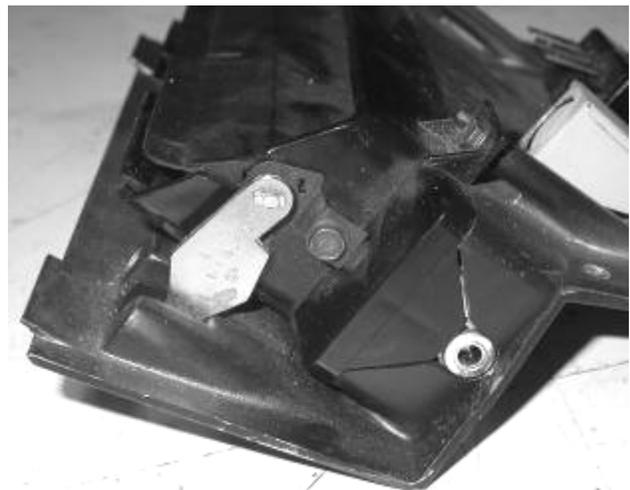
### **FACTORY A/C CARS**



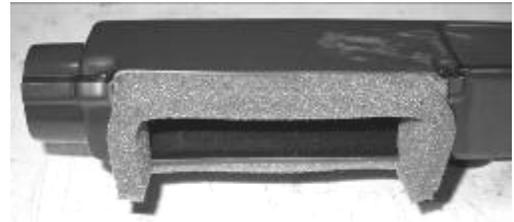
Locate the factory center louver assembly.

It is necessary to remove the shut off door.

Remove the retaining screw and the door and the lever will come out together.

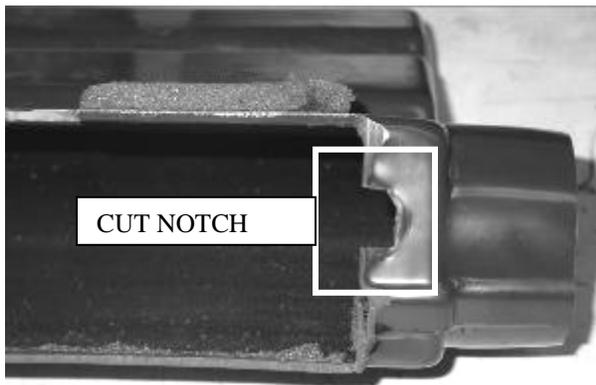
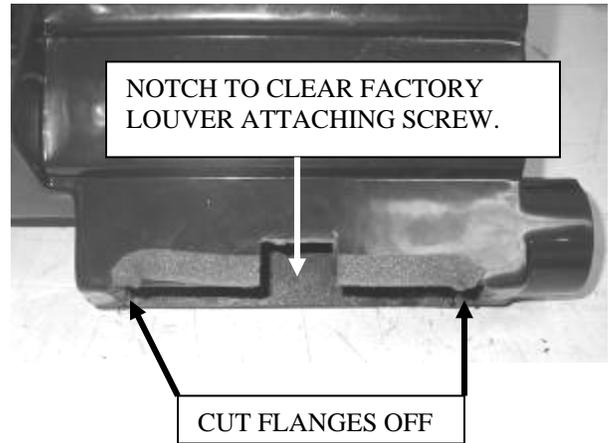


Locate centre air distribution assembly



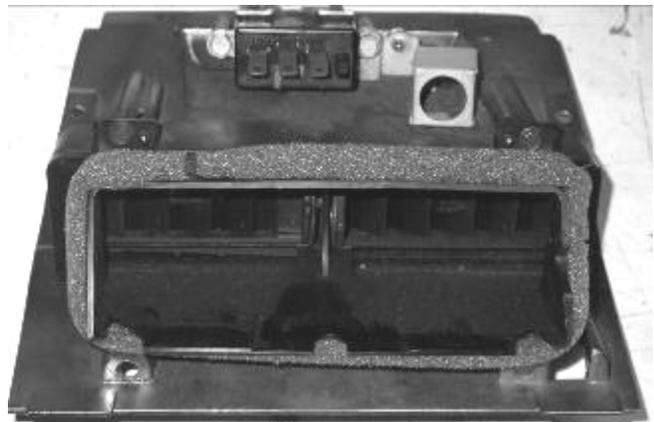
Remove the foam seal.

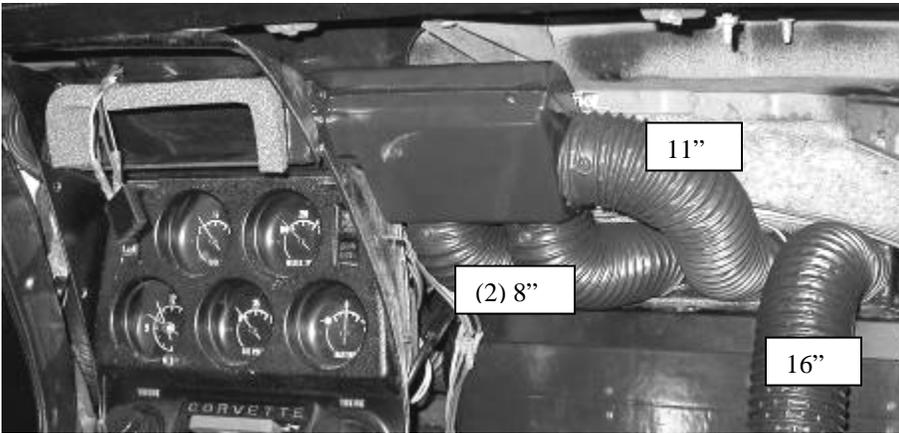
Modify the duct as shown. Cut off flanges and cut notch in the bottom of the duct to clear factory louver.



Cut the notch in the duct as shown to clear the factory louver assembly.

Locate (1) 16" piece of open cell foam and carefully wrap the factory louver assembly.





Insert the Center air distribution assembly across the top of the gauges. Route the 36" flex duct down the left side of the centre gauges.

Locate the 2" flex duct, cut (2) pieces 8", (1) piece 11", and (1) 16" long.

Attach to the power pack and air distribution as shown.

**CAUTION:** The control cables are equipped with inline adjusters. Adjust the Defrost, Heat / Face door, and Water valve cable so that the full travel of the Control cable, operates the door to its full travel. Make sure that the water valve completely closes when the cable is in the cold position.

The Micro Switch that is mounted on the Face / heat door is used to turn on the compressor clutch. This will occur when the control lever is in the face position. It may be necessary to adjust the thin metal arm on the switch. Make sure that the Clutch Micro Switch is depressed when the lever is in the face position.

### HEATER ONLY AND A/C CARS



Locate the passenger side dash cover, set the cover on the bench face side down.

Remove the (3) pan head screws that hold the original hose adaptor to the panel.

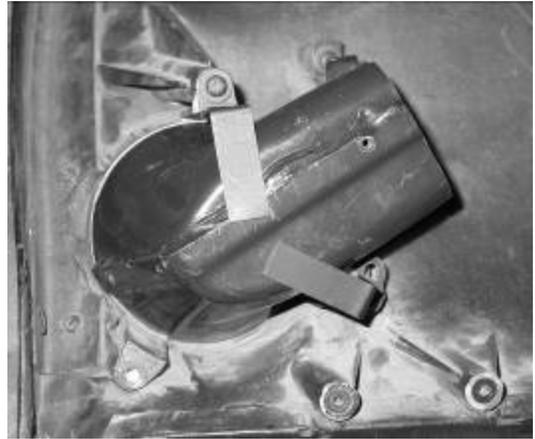
Remove the hose adaptor and discard the adaptor. Retain the original hardware.

Locate the 90 deg. Hose adaptor assembly, (2) hold down brackets.



Attach the hose adaptor over the ball louver and retain with the (2) hold down brackets and the original hardware.

Reinstall the 3<sup>rd</sup> original screw.



Attach the end of the 16" duct hose to the 90 deg hose adaptor on the dash cover. Reinstall the dash cover using the original hardware.

### HEATER ONLY CARS

Located on the drivers side above the kick panel is the fresh air duct.

Remove the wing nut and retain. Remove and discard the duct.



Locate the fresh air cover and slide over the inlet flange. Attach using the original wing nut.

