

AUTOMOTIVE AIR CONDITIONER INSTALLATION INSTRUCTIONS

1955-1956 Chevrolet LOUVER & SWITCH PACKAGE

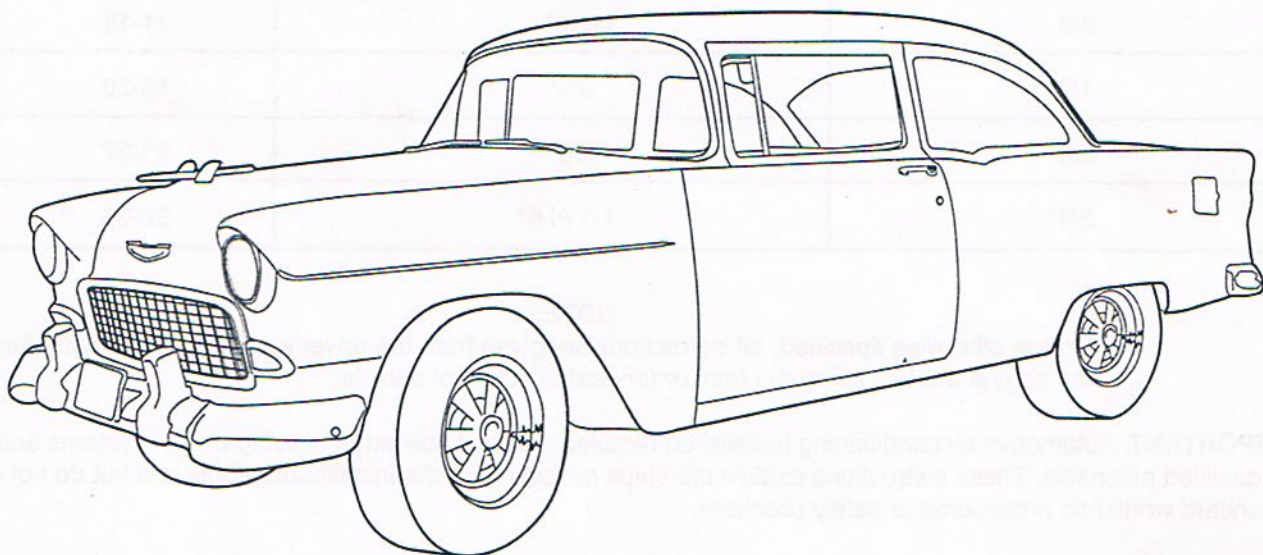
#093-00594

Items required, but not included are:

BASIC KIT #090-00432

-and-

WATER VALVE KIT #093-00592



SPECIFICALLY DESIGNED FOR R-134a REFRIGERANT ONLY

P/N 057-00265

06/00

1-800-275-7524/1-800-347-3883

IMPORTANT RESTRICTION

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IMPORTANT NOTICE

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MADE IN U.S.A.

CAUTION

Before beginning this installation, take a few minutes to preread these instructions. Check that all necessary materials, units and accessory kits that are listed in the application guide are on hand. It is imperative for proper engine operation and vehicle life that adequate engine cooling is provided (i.e. fan shroud and/or large fan). Also check the vehicle weight capacity as listed on the vehicle certification label. Advice is hereby given by the vehicle manufacturer that for proper driving and handling, the reserve weight capacity not be exceeded, refer to the manufacturer recommended sizing guide.

RECOMMENDED STANDARD TORQUE SPECIFICATIONS FOR STANDARD FITTINGS

O-RING CONNECTIONS		
TUBE O.D.	THREAD SIZE	FT./LB.
1/4"	7/16"	5-7
3/8"	5/8"	11-13
3/8	11/16"	11-13
1/2"	3/4"	15-20
5/8"	7/8"	21-27
3/4"	1-1 / 16"	28-33

NOTES

Unless otherwise specified, all instructions are given from the driver's seat position facing forward with the engine radiator being the front or forward direction of vehicle.

IMPORTANT: Automotive air conditioning installation requires a basic knowledge of refrigeration systems and services of a qualified mechanic. These instructions explain the steps necessary for the installation of this unit but do not detail standard workshop procedures or safety practices.

NOTE: For the air conditioner to operate properly, it must not contain moisture or dirt particles. Leave all protective caps in place until final installation of the component. Use clean Refrigerant Oil on all thread and sealing surfaces when making fitting connections. Use a backup wrench to avoid twisting fittings.

NOTICE: Automotive air conditioners operate under high pressures and utilize a refrigerant that can be dangerous if not handled properly. Installation, service and repairs should be performed only by those individuals who possess the mechanical skills required and have a basic understanding of refrigeration systems and their operation and who are familiar with and follow approved safety procedures.

CAUTION: Before starting installation, open hood and disconnect the NEGATIVE (-) GROUND side of battery cable. Install protective fender covers to prevent paint scratches.

This kit is designed to replace the original cable controls with electronic and vacuum operated controls. Before starting the installation, check the function of the vehicle horn, lights, and windshield wipers for proper operation. Read and study the instructions and wiring diagram before starting the installation.

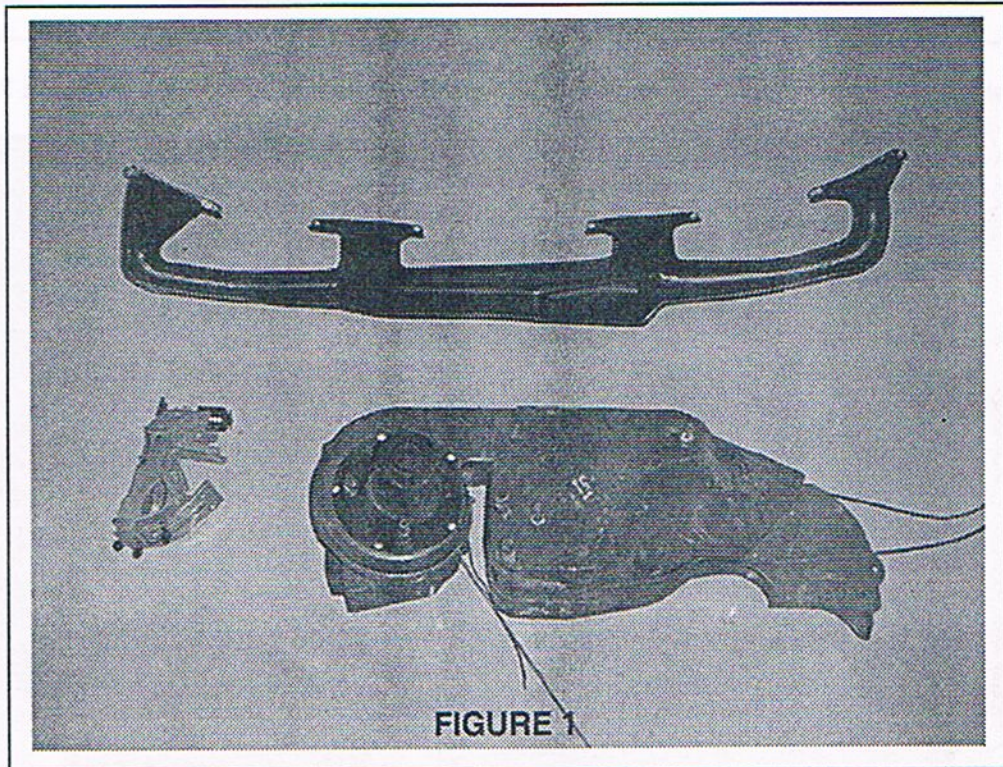
UNDERHOOD

1. Raise hood disconnect battery.
2. Drain radiator, disconnect heater hoses to firewall.
3. Remove heater cover.

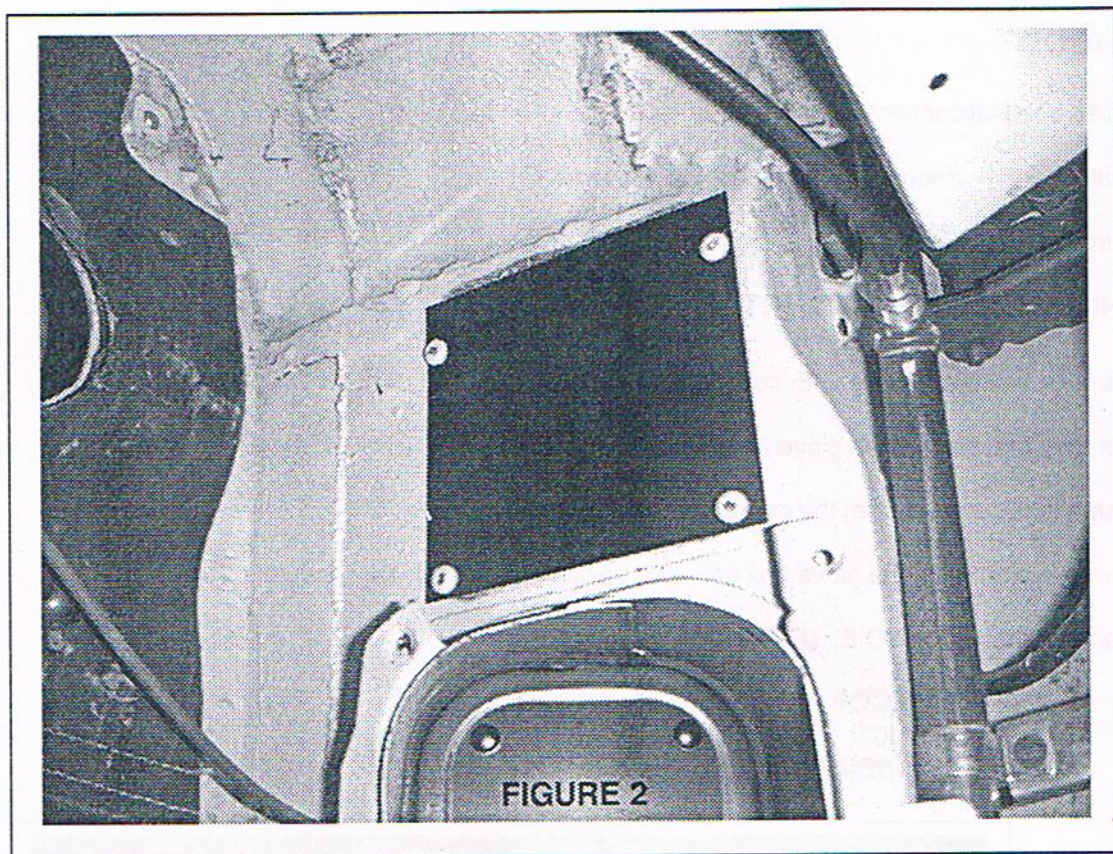
PASSENGER'S COMPARTMENT

4. Remove and discard the O.E. control panel and cables.
5. Remove and discard the glove box.
6. Remove the screws from the passenger side vent cable.
7. Remove and retain the glove box door and passenger side speaker cover.
8. Remove and discard O.E. (FIGURE 1)

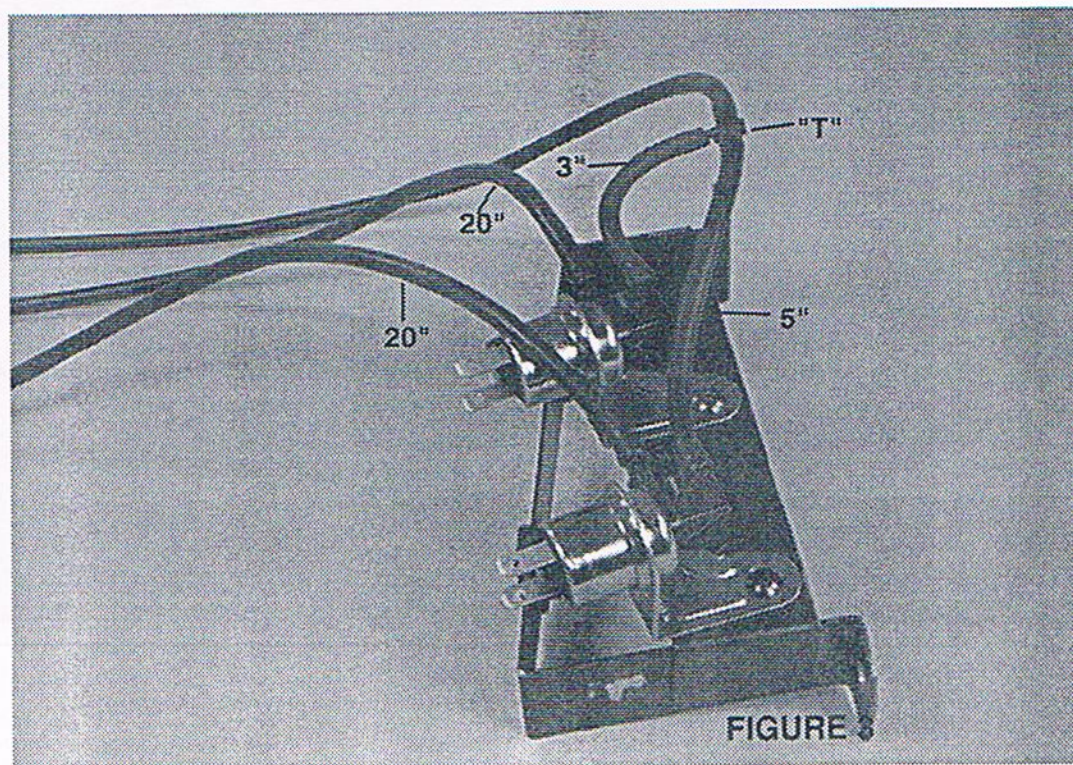
DEFROST DUCT
HEATER DUCT
HEATER ASSEMBLY



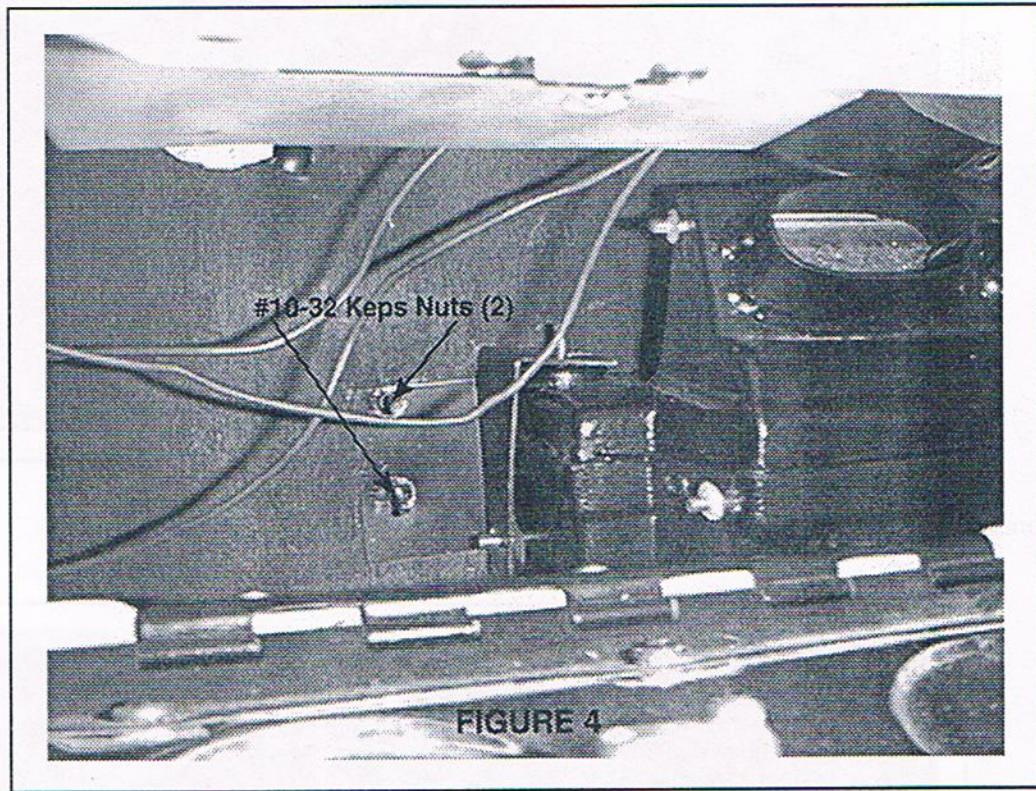
9. Secure passenger side vent cover with original hardware. (FIGURE 2)



10. Loosely attach the driver and passenger side mounting brackets to evaporator. (FIGURE 3)

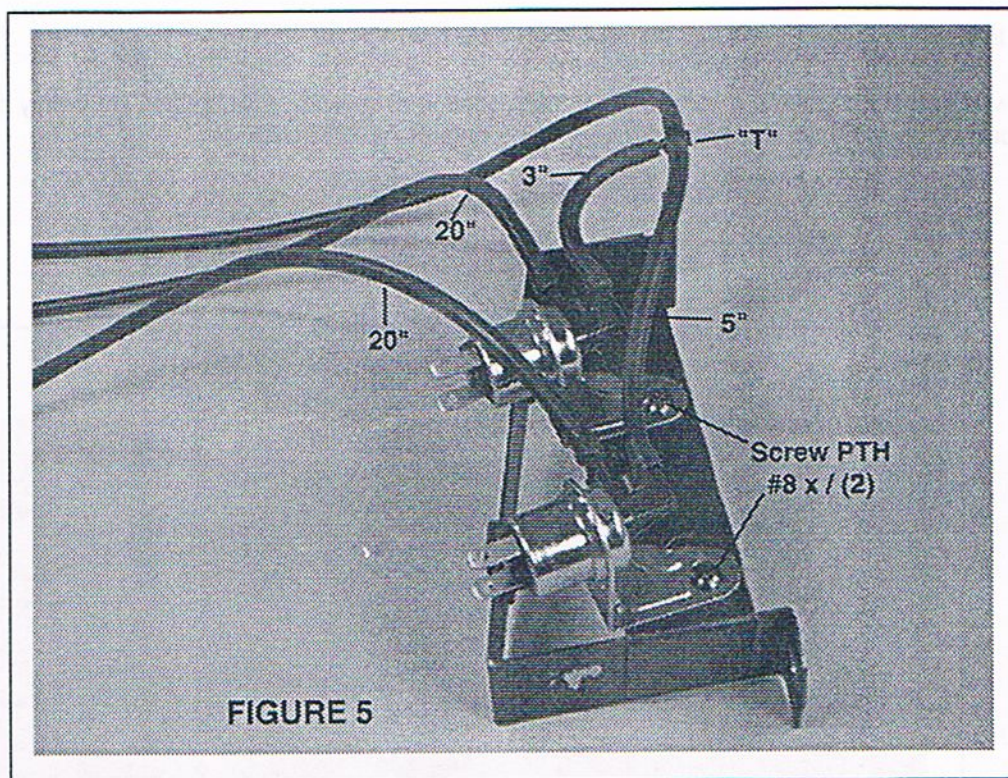


11. Slide the evaporator up and into position as far to the right as possible. Leave room for 2-1/2" flex hose connections near location of radio. Be sure evaporator is horizontal with bottom of dash.
12. Mark location of mounting holes. Remove the evaporator.
13. Drill two (2) 1/4" diameter holes near the center location of firewall. **CAUTION:** Hole may be close to engine distributor cap, removal of distributor cap may be necessary. (FIGURE 4)

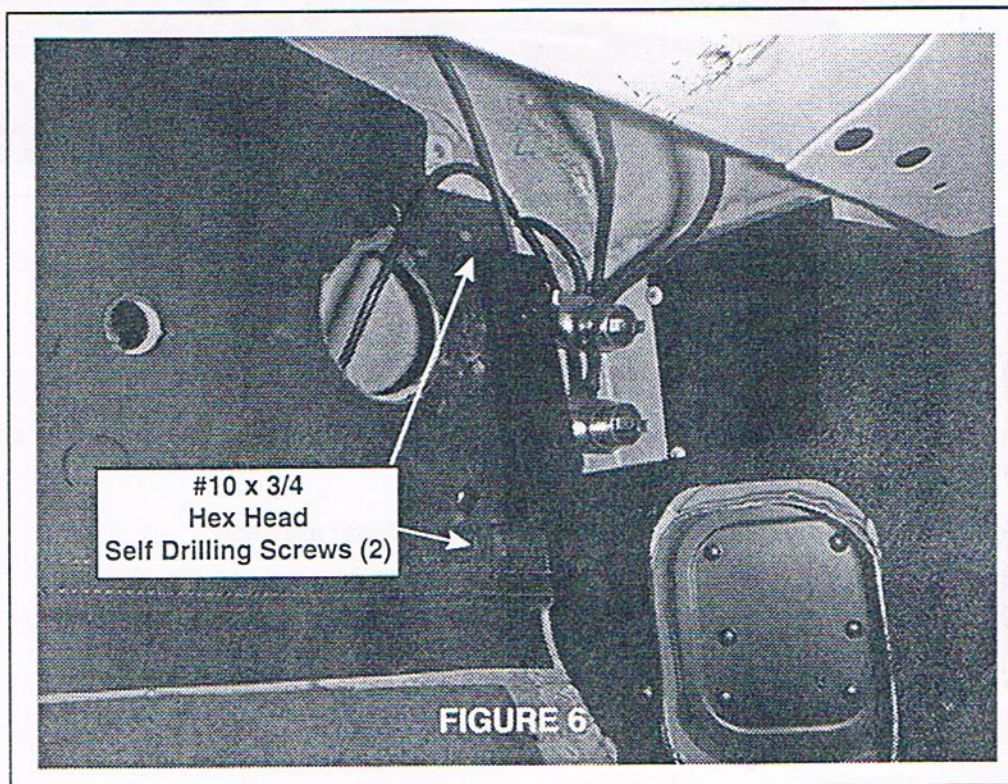


14. From engine side of firewall, install support bracket with weld studs.
15. Remove driver side evaporator mounting bracket (previously installed on the evaporator and secure to studs with hardware provided).
16. Remove the passenger side mounting bracket from the blower assembly.

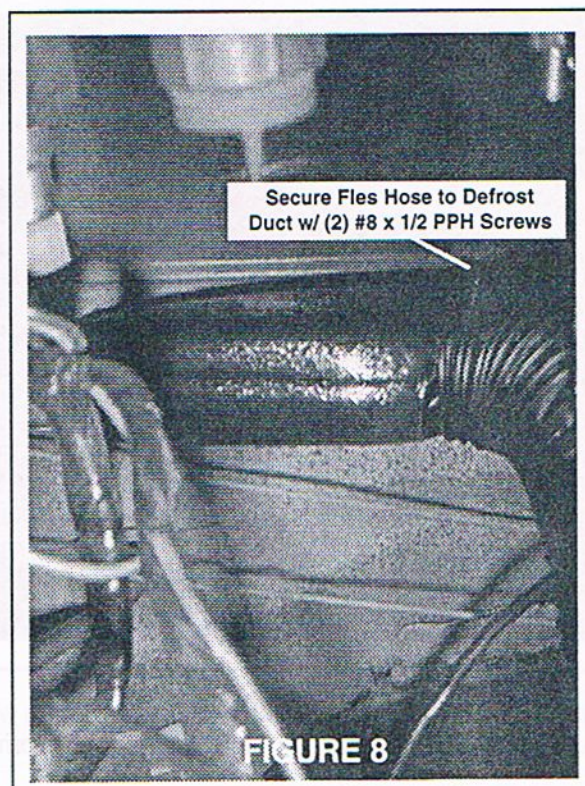
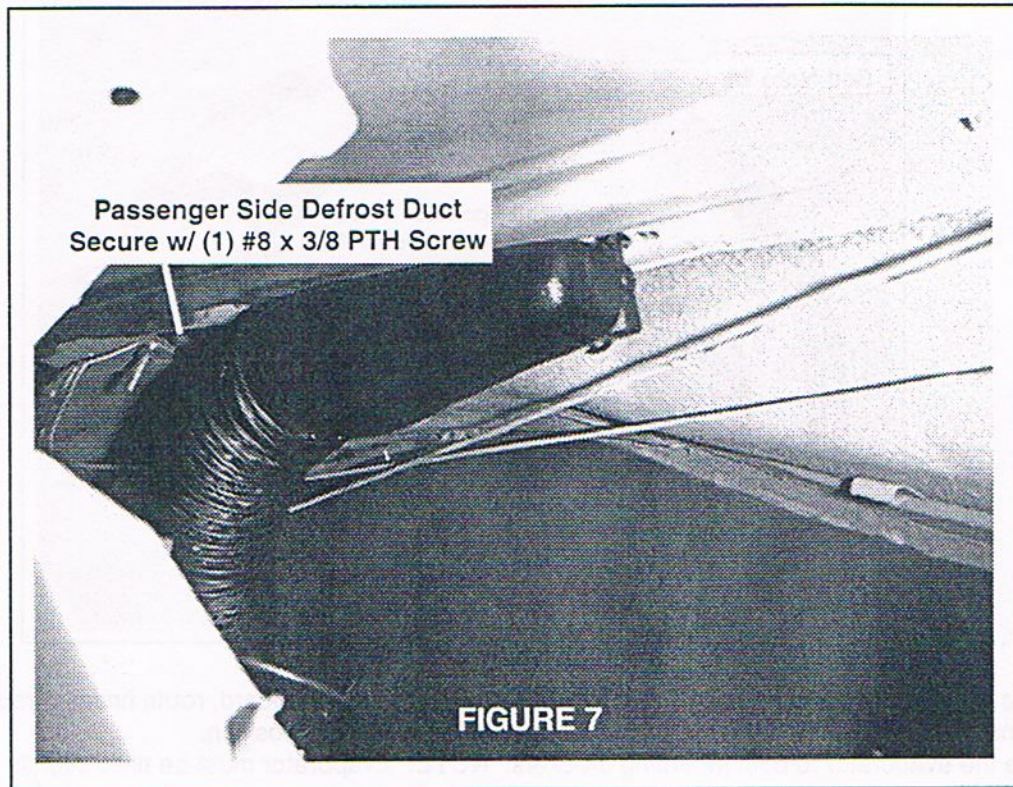
17. Secure the vacuum solenoid valves to the bracket with hardware provided. Secure the vacuum hose to valves. (FIGURE 5)



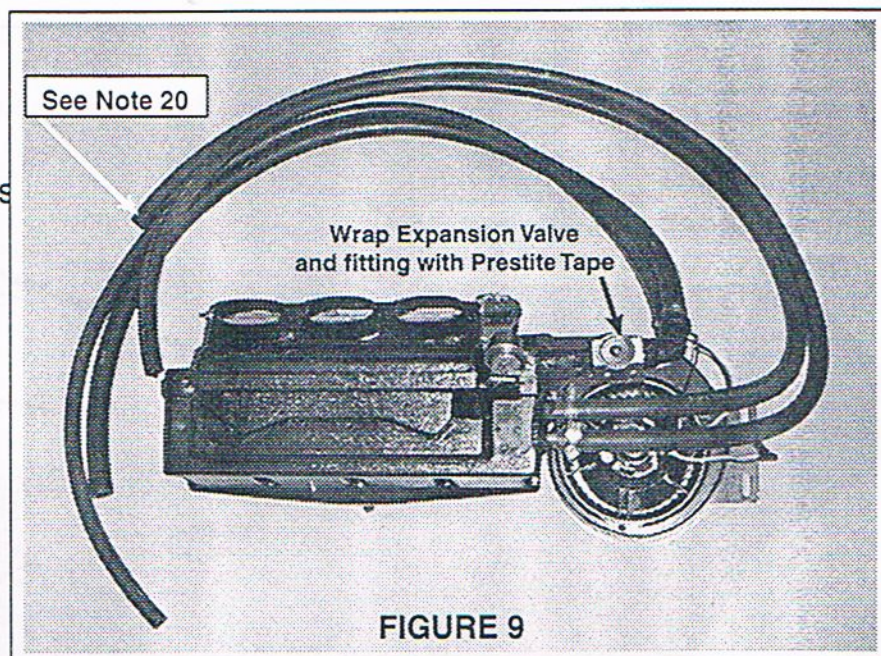
18. Secure bracket into position with hardware provided. (FIGURE 6)



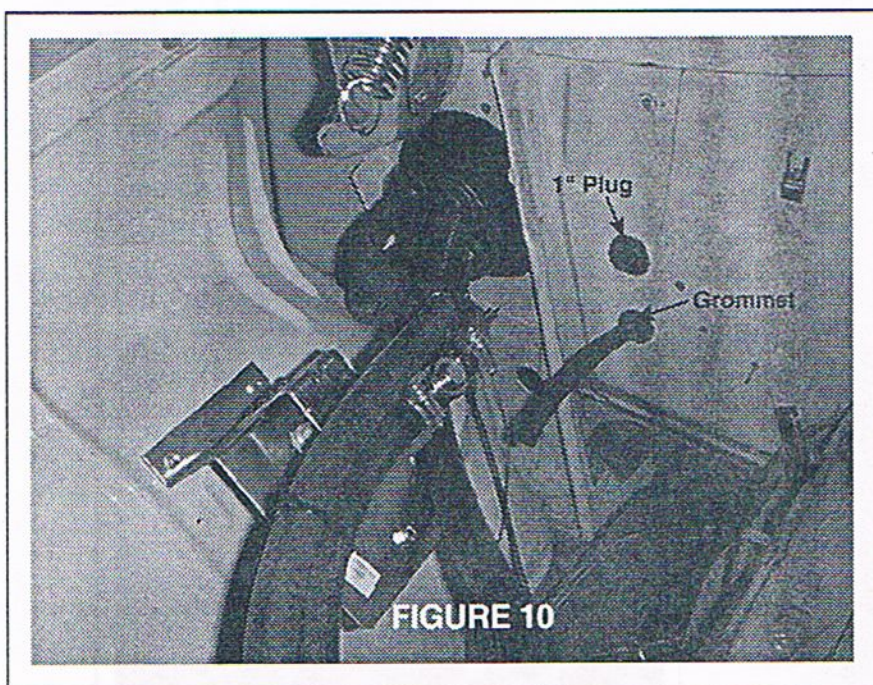
19. Obtain defrost ducts, secure 2" flex hose with hardware provided. Driver side defrost duct length 22"; passenger side defrost duct length 16".
20. Install defrost ducts, secure with hardware provided. (FIGURE 7 & 8)



21. Refrigerant fittings and hoses are not supplied in this kit. Obtain proper fittings and connect to the block type expansion valve.
22. Secure 5/8" heater hose to the heater fittings on the coil. Identify the opposite end of the bottom heater hose so it can be secured to the outlet or intake manifold at a later time. (FIGURE 9)

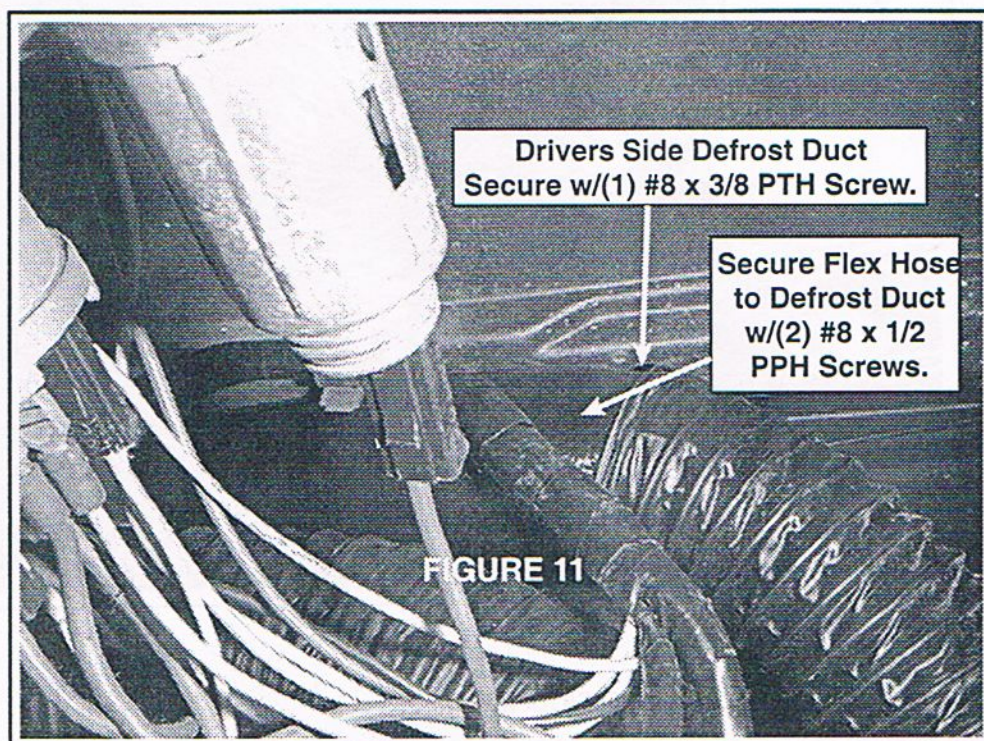


23. Lay the evaporator assembly with hoses in the passenger side floor board, route hoses through existing round hole and push hoses thru hole to allow evaporator to be pulled into position.
24. Secure the evaporator to both mounting brackets. **NOTE:** Evaporator must be tilted slightly to ensure proper drainage.



25. From engine side of firewall install the hose cover with grommets; secure with hardware provided.
26. Obtain wire harness. Route wires (water, valve, & clutch) out through grommet with #6 liquid hose. Route vacuum hose also.
27. Secure wires to vacuum solenoids, blower plug, and ground wire. Ground the ring term with black wire to one of the 1/4-20 bolts.

28. Obtain the control assembly, route the thermostat capillary tube to the evaporator of the case top, insert into coil approximately 3". **CAUTION:** Be careful not to break or kink the capillary tube. (FIGURE 11)



29. Secure wire harness to control assembly.
30. Obtain the side panel louvers and the center louver, secure the 2-1/2" flex hose to each louver and secure into position with hardware provided. (FIGURE 12)

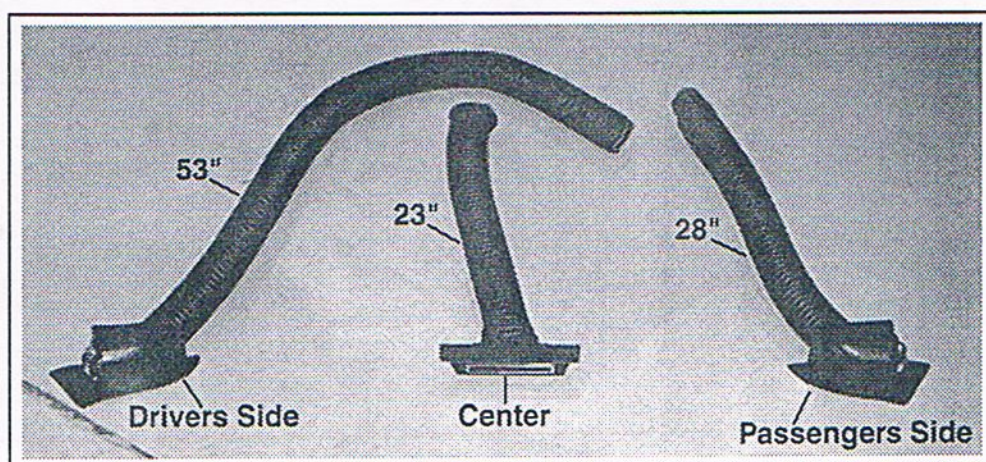
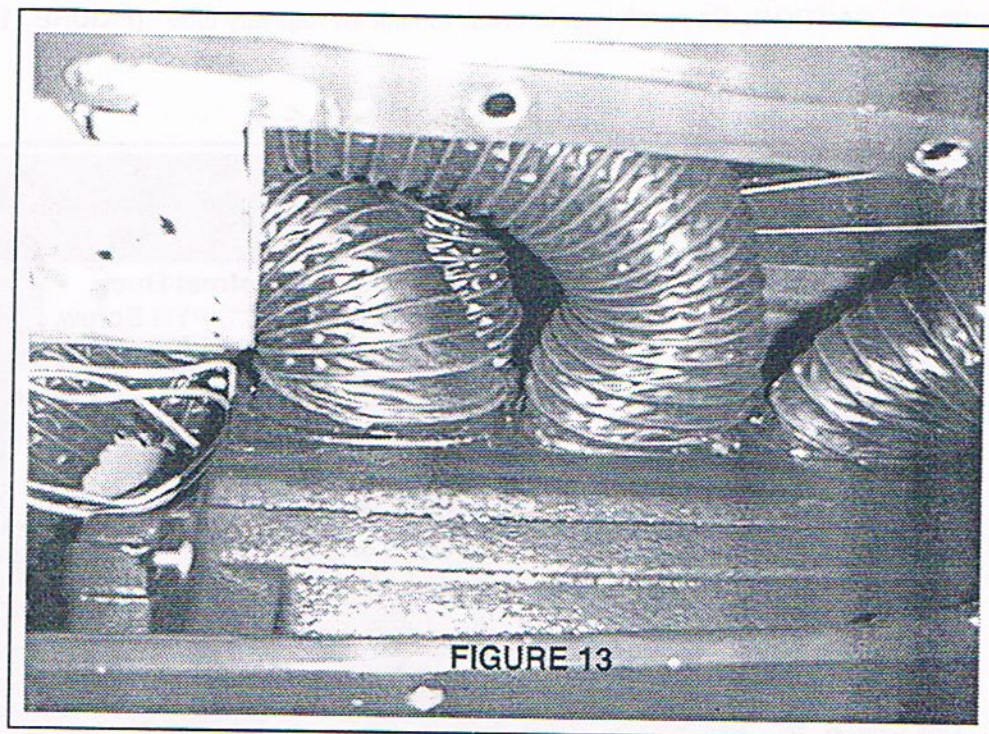


FIGURE 12

31. Secure the 2" defrost duct hoses and the 2-1/2" louver duct hoses to the evaporator. (FIGURE 13)



32. Install drain hose using 90° elbow fittings. (FIGURE 14)

