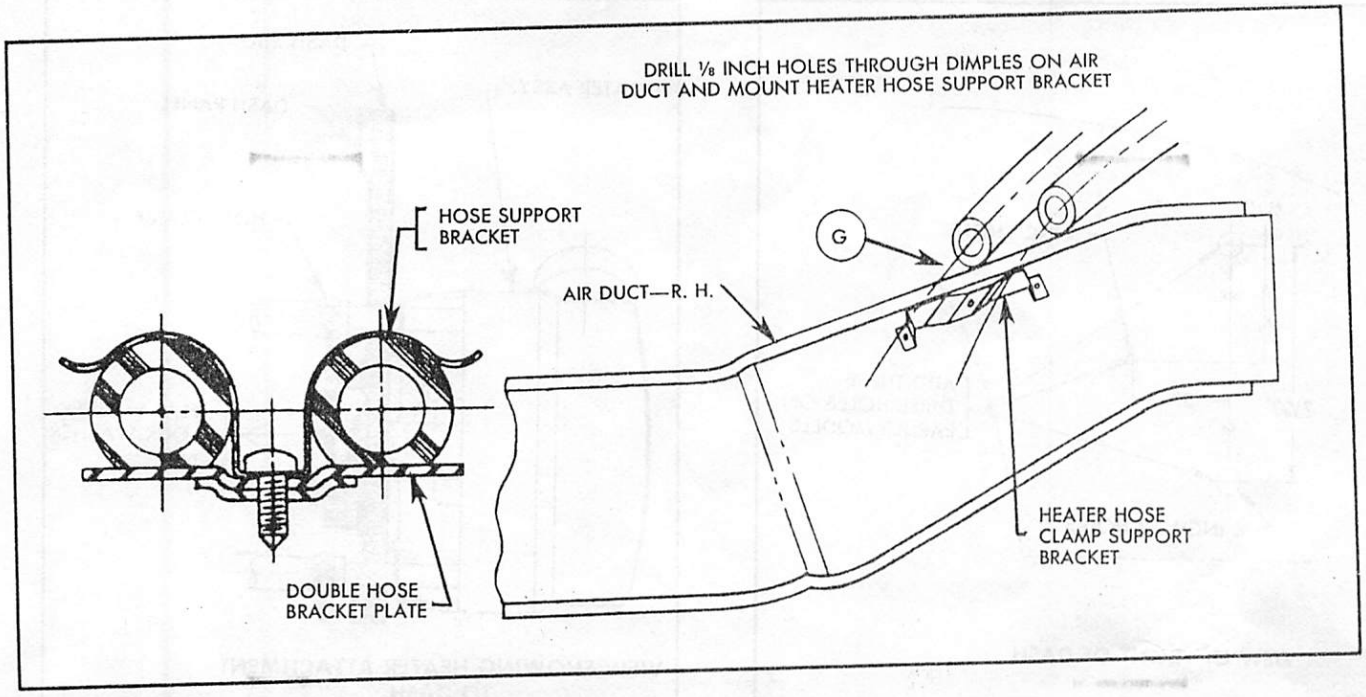


Figure 102

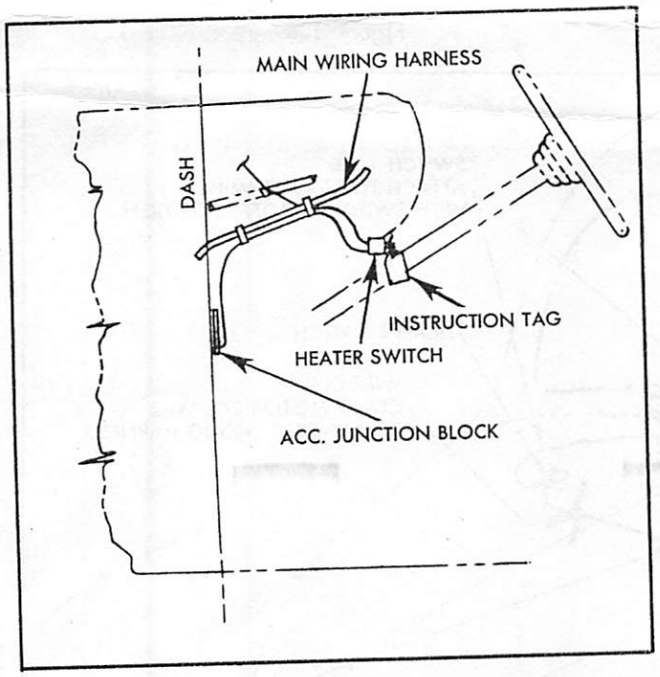


Figure 103

986248 RECIRCULATING HEATER

Procedure for Installation of Recirculating Heater on 3000-4000-6000 Series Trucks and Commercials.

1. Remove Glove Compartment.

2. Attach the two lengths of defroster hose to the defroster fittings, using rubber ring adapters, and attach the fittings under the cowl with sheet metal screw as shown in figure 104. The longer hose is used on the left defroster fitting.

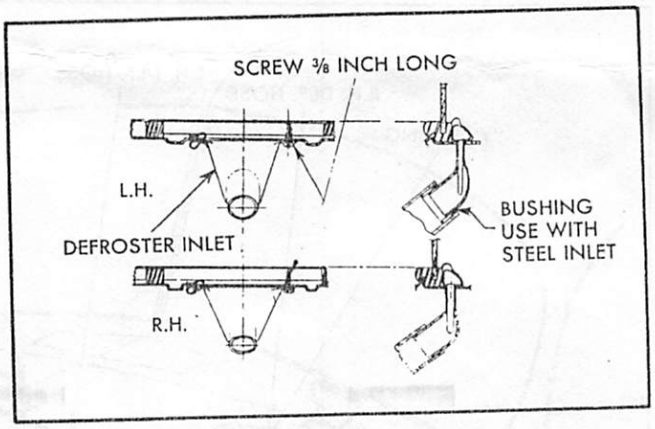


Figure 104

3. Reinstall Glove Compartment.

4. Cut necessary holes in dash mat through punched holes provided in dash panel as shown in figure 105. Install heater, using attaching washers and nuts as shown in figure 106.

5. Attach lower end of left defroster hose directly to the 2 inch outlet on "Y" fitting. Attach lower end of right hose to the 1-3/4 inch outlet on "Y" fitting. Mount "Y" fitting on outlet of heater as shon in figure 107.

6. Install the heater switch in hole provided on lower flange of instrument panel to the left of steering column and connect wires as shown in figure 107.

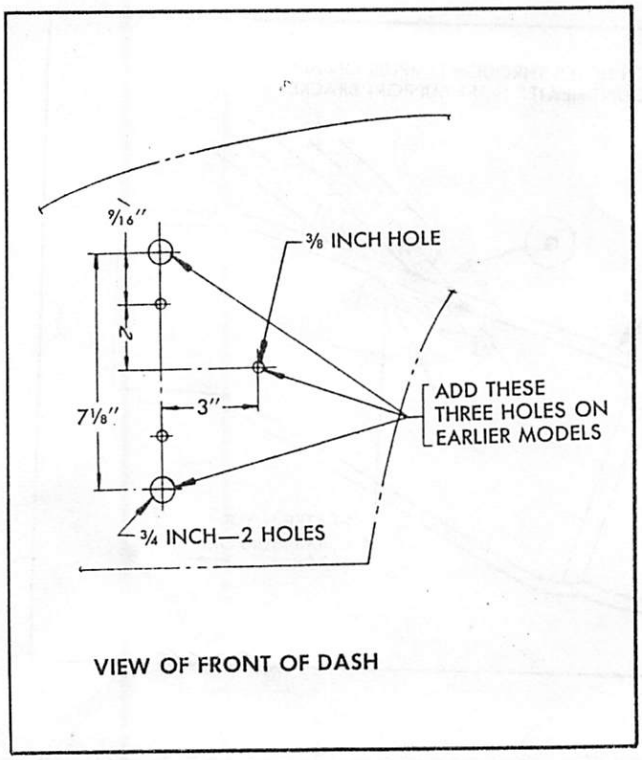


Figure 105

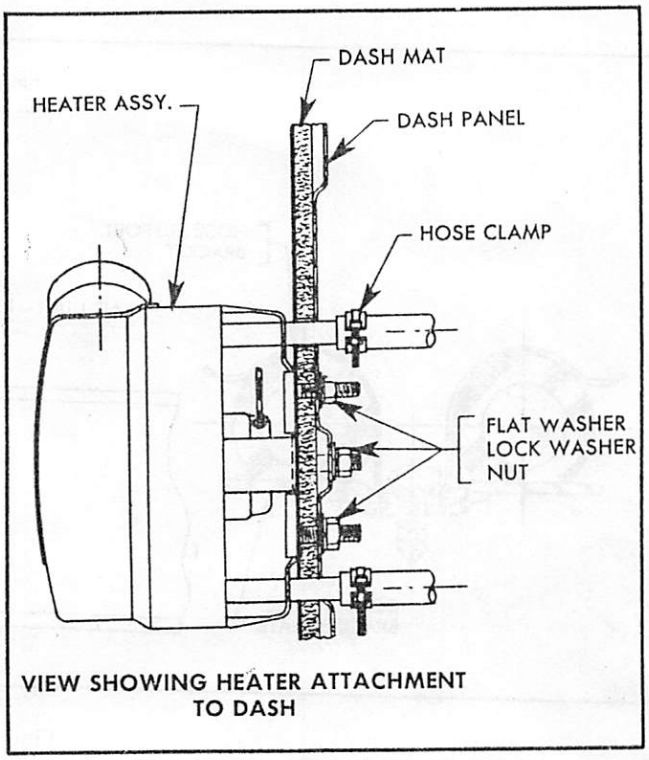


Figure 106

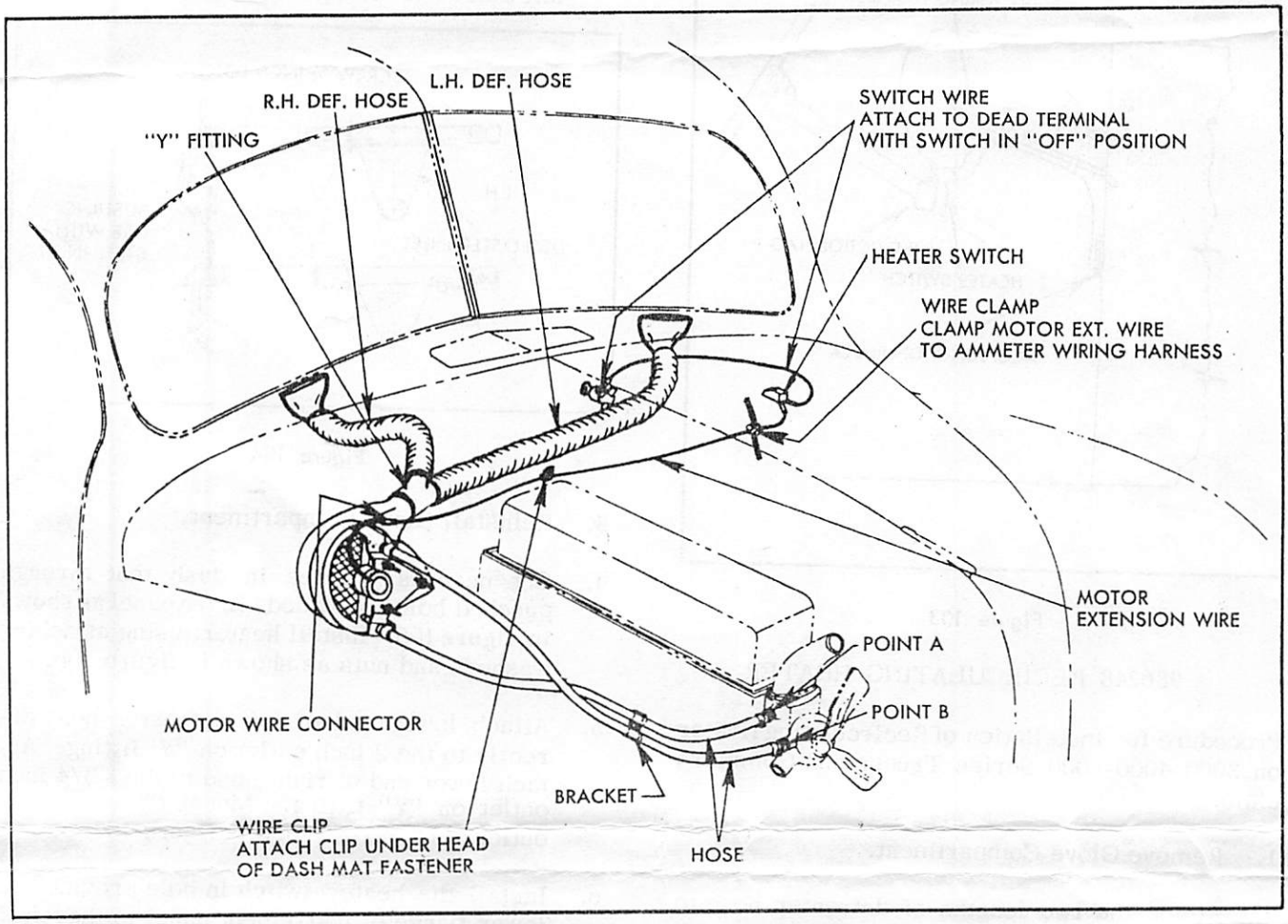


Figure 107

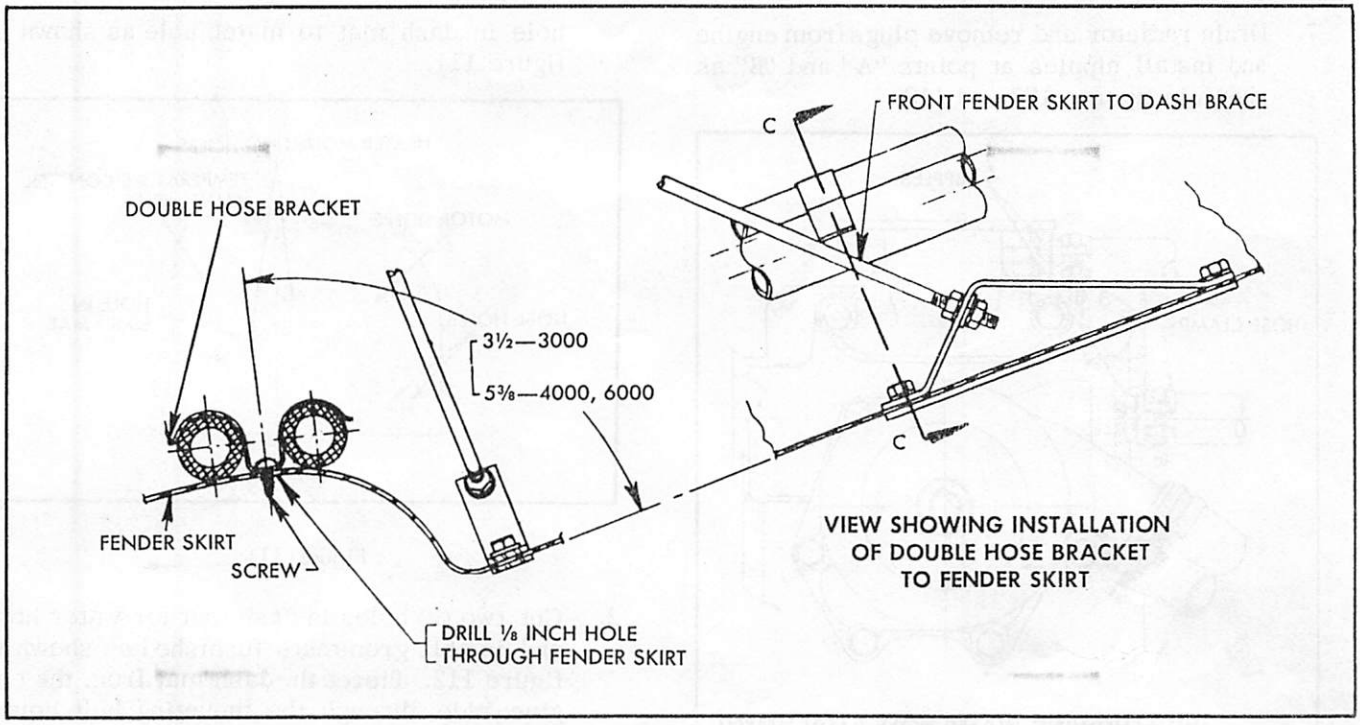


Figure 108

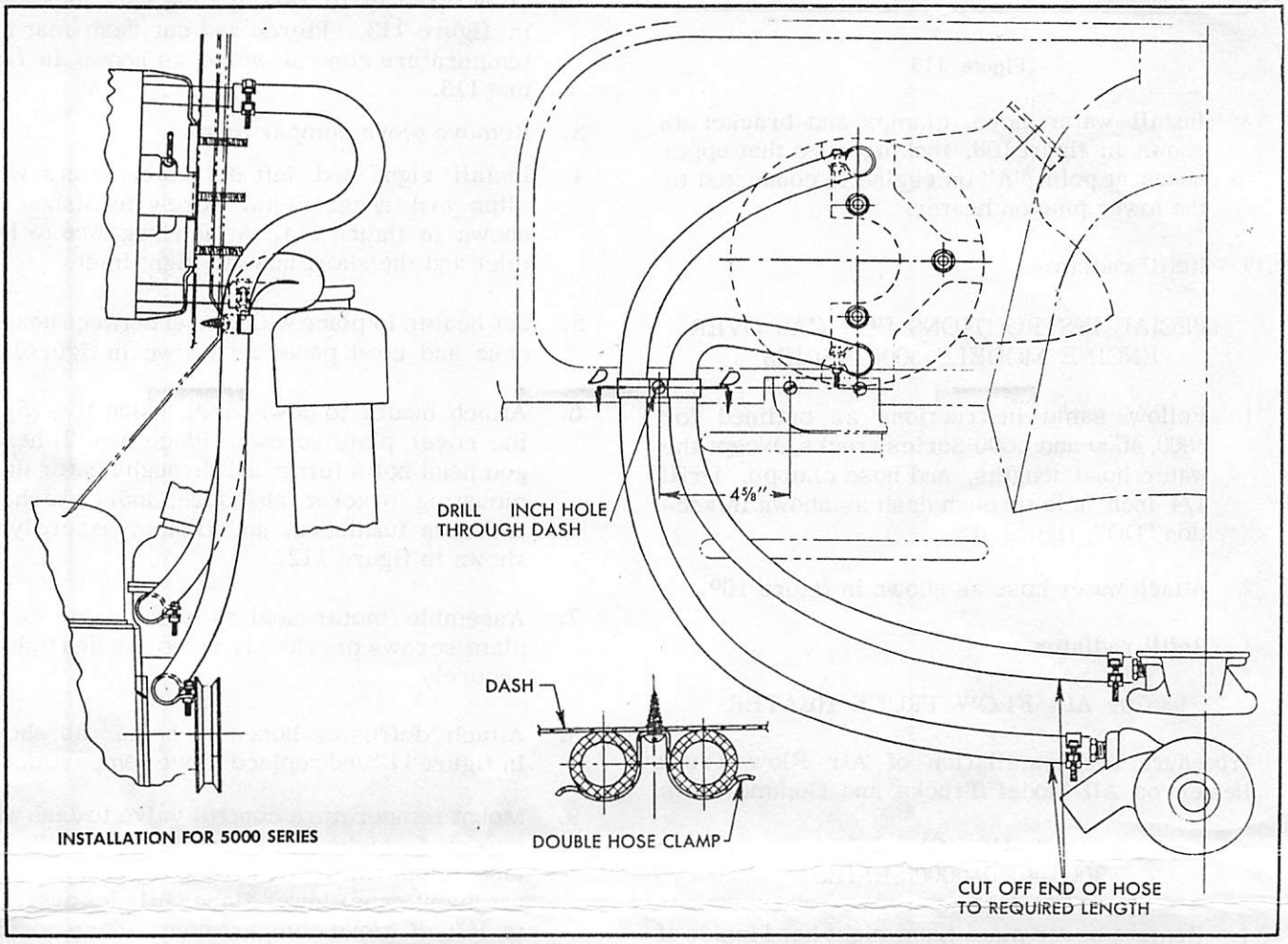
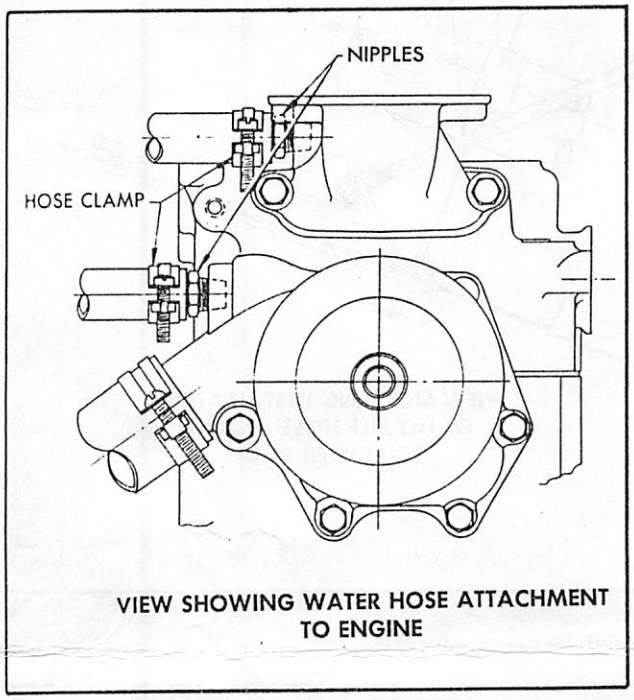


Figure 109

7. Drain radiator and remove plugs from engine and install nipples at points "A" and "B" as shown in figures 107 and 110.



VIEW SHOWING WATER HOSE ATTACHMENT TO ENGINE

Figure 110

8. Install water hose, clamps and bracket as shown in figure108, making sure that upper hoses at point "A" on engine is connected to the lower pipe on heater.

9. Refill radiator.

SPECIAL INSTRUCTIONS FOR CAB OVER ENGINE MODELS 5000 SERIES

1. Follow same instructions as outlined for 3000, 4000 and 6000 Series trucks, except the water hose lengths, and hose clamps. Drill 1/4 inch hole through dash as shown in section "DD", figure 109.

2. Attach water hose as shown in figure 109.

3. Refill radiator.

986709 AIR FLOW TRUCK HEATER

Procedure for Installation of Air Flow Truck Heater on All Model Trucks and Commercials.

INSTRUCTIONS FOR 3000-4000-6000 SERIES

1. Remove cover plate from right hand inside of cowl panel. Remove round cover plate from right hand side of the front of dash and cut hole in dash mat to match hole as shown in figure 111.

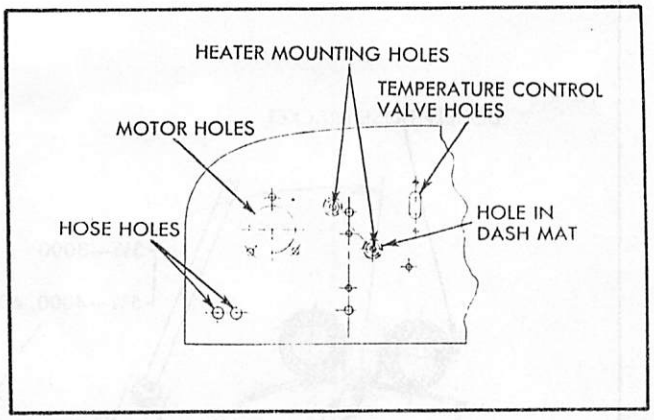


Figure 111

2. Cut two (2) holes in dash mat for water hose and install grommets furnished as shown in figure 112. Pierce the dash mat from the engine side through the mounting bolt holes, and from the passenger side cut two (2) 1-3/4 inch holes in the dash mat at these points to allow bracket to rest against dash as shown in figure 113. Pierce and cut dash mat for temperature control valve as shown in figure 113.

3. Remove glove compartment.

4. Install right and left defroster inlets with clips and sheet metal screw furnished as shown in figure 114. Attach long hose to left inlet and the short hose to right inlet.

5. Set heater in place with gasket between heater case and cowl panel as shown in figure112.

6. Attach heater to cowl panel, using five (5) of the cover plate screws. Place two (2) hexagon head bolts furnished through heater dash mounting bracket and dash, using washers and nuts furnished, and tighten securely as shown in figure 112.

7. Assemble motor seal to dash, using cover plate screws previously removed, and tighten securely.

8. Attach defroster hoses to heater as shown in figure 112 and replace glove compartment.

9. Mount temperature control valve to dash with screws furnished as shown in figure 113. Attach temperature control rod bracket to instrument panel lower flange in holes provided to left of glove compartment. Place control rod through rubber grommet in bracket as shown in figure 113 and remove retainer from

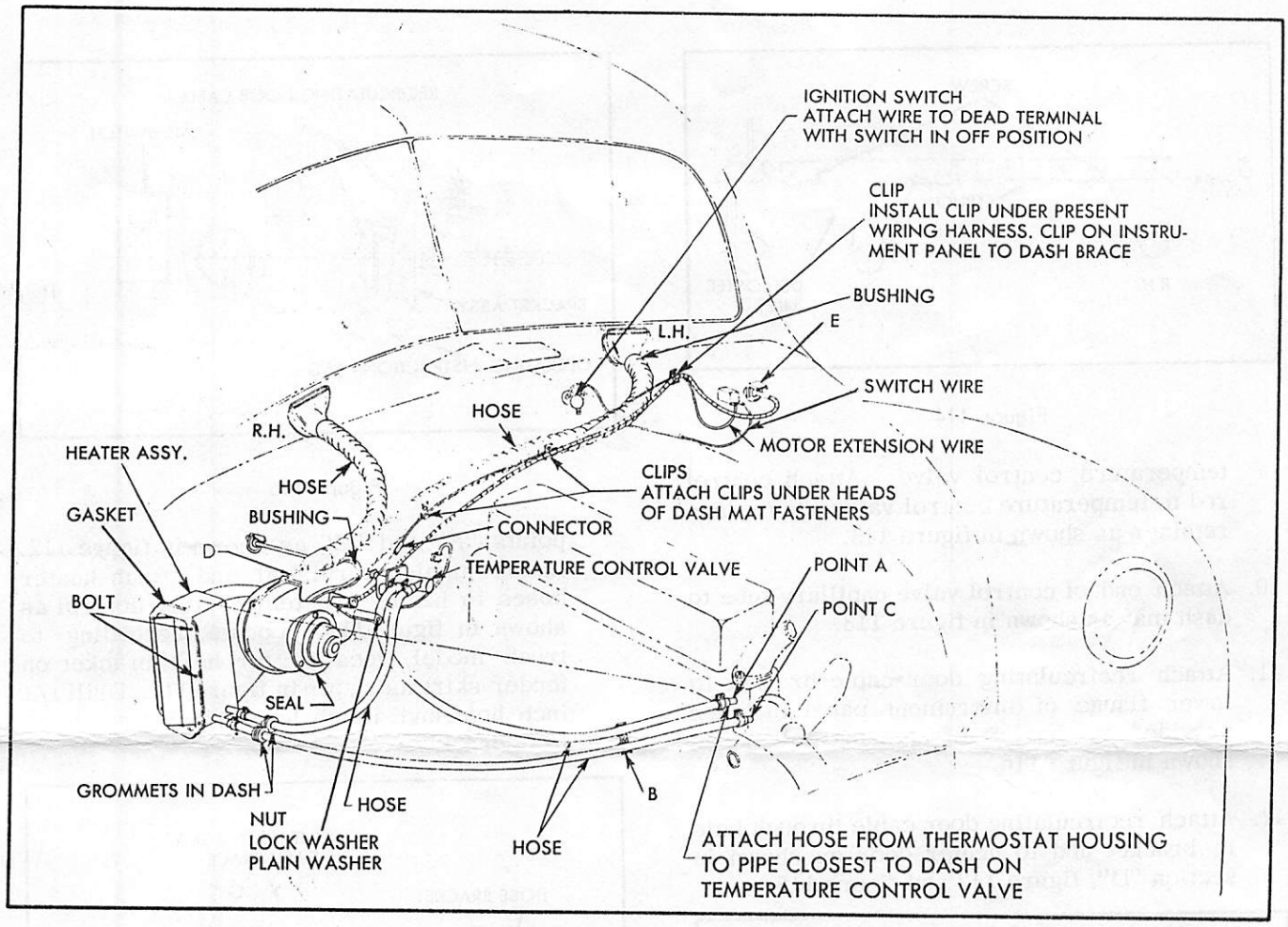


Figure 112

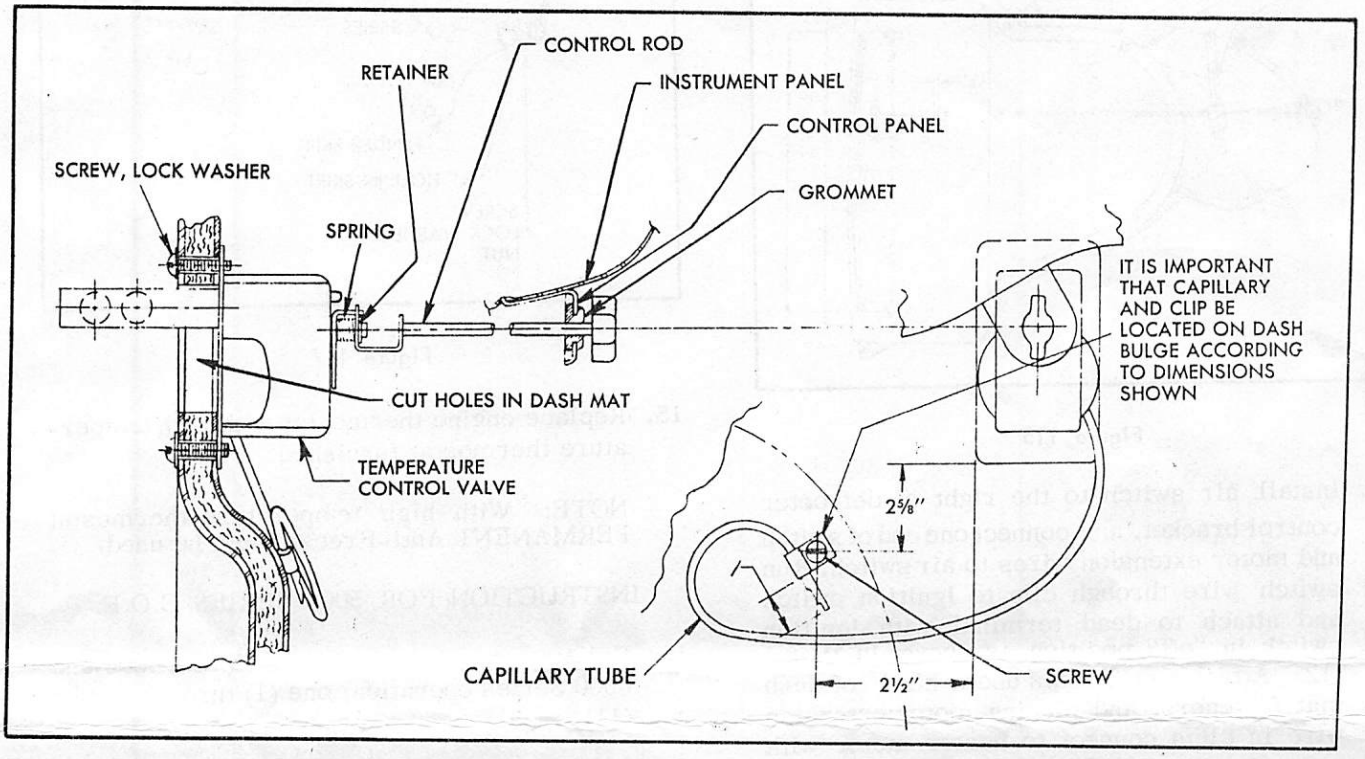


Figure 113

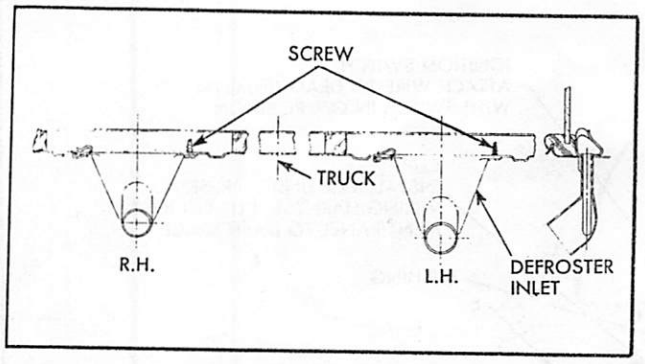


Figure 114

temperature control valve. Attach control rod to temperature control valve and replace retainer as shown in figure 113.

10. Attach end of control valve capillary tube to dash mat as shown in figure 113.

11. Attach recirculating door cable bracket to lower flange of instrument panel in holes provided to the left of steering column as shown in figure 116.

12. Attach recirculating door cable through hole in bracket and to heater door as shown in section "D", figure 112 and figure 115.

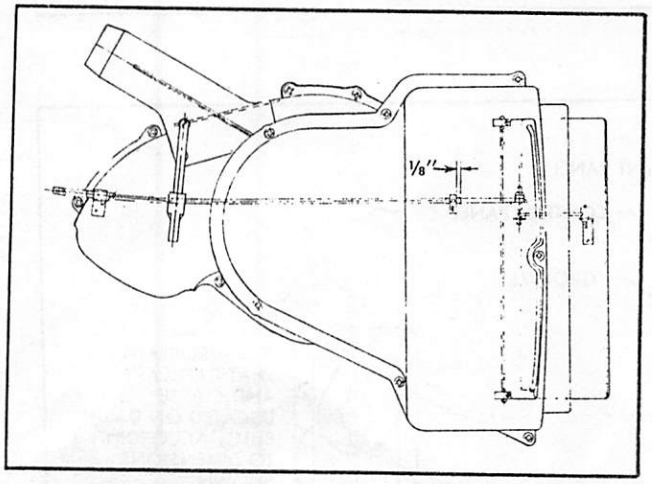


Figure 115

13. Install air switch to the right of defroster control bracket, and connect one end of switch and motor extension wires to air switch. Run switch wire through clip to ignition switch and attach to dead terminal with ignition switch in "off" position as shown in figure 112. Attach two (2) clips under heads of dash mat fasteners, and placing motor extension wire in clips connect to heater motor with connector furnished as shown in figure 112.

14. Drain radiator and remove pipe plugs at

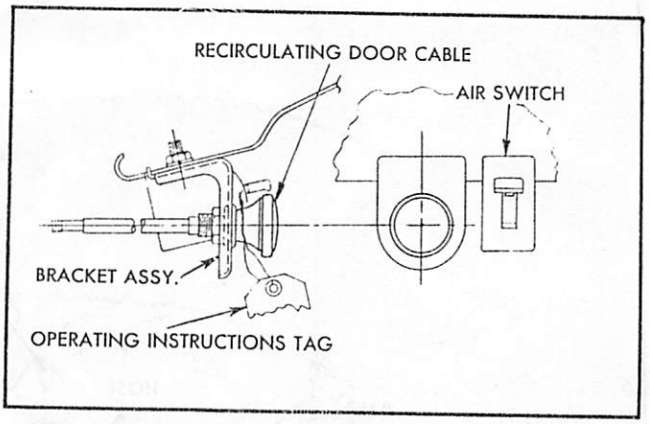


Figure 116

points "A" and "C" as shown in figure 112. Insert nipples furnished and attach heater hoses to heater and temperature control as shown in figure 112. Locate, according to truck model, location for hose bracket on fender skirt as shown in figure 117. Drill 1/4 inch hole and attach hose bracket as shown in figure 117.

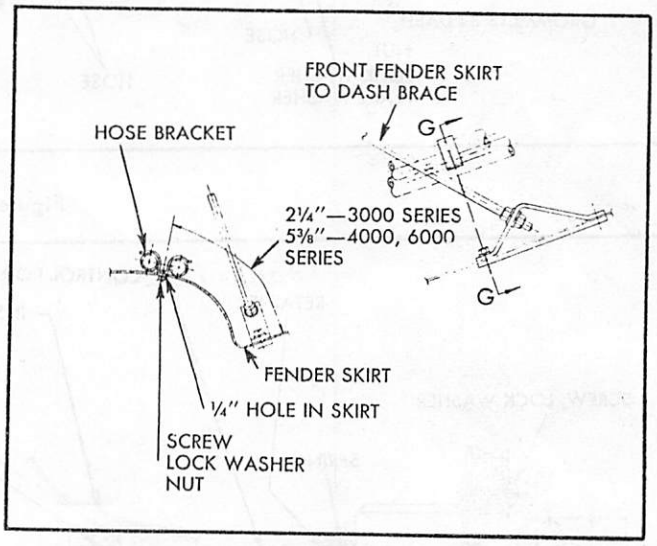


Figure 117

15. Replace engine thermostat with high temperature thermostat furnished.

NOTE: With high temperature thermostat PERMANENT Anti-Freeze must be used.

INSTRUCTION FOR 5000 SERIES C.O.E.

1. Follow same instructions for 3000-4000 and 6000 Series operation, one (1) through eleven (11).

2. Drain radiator and remove pipe plugs at water pump and thermostat housing. Insert nipples furnished and attach heater hoses to heater

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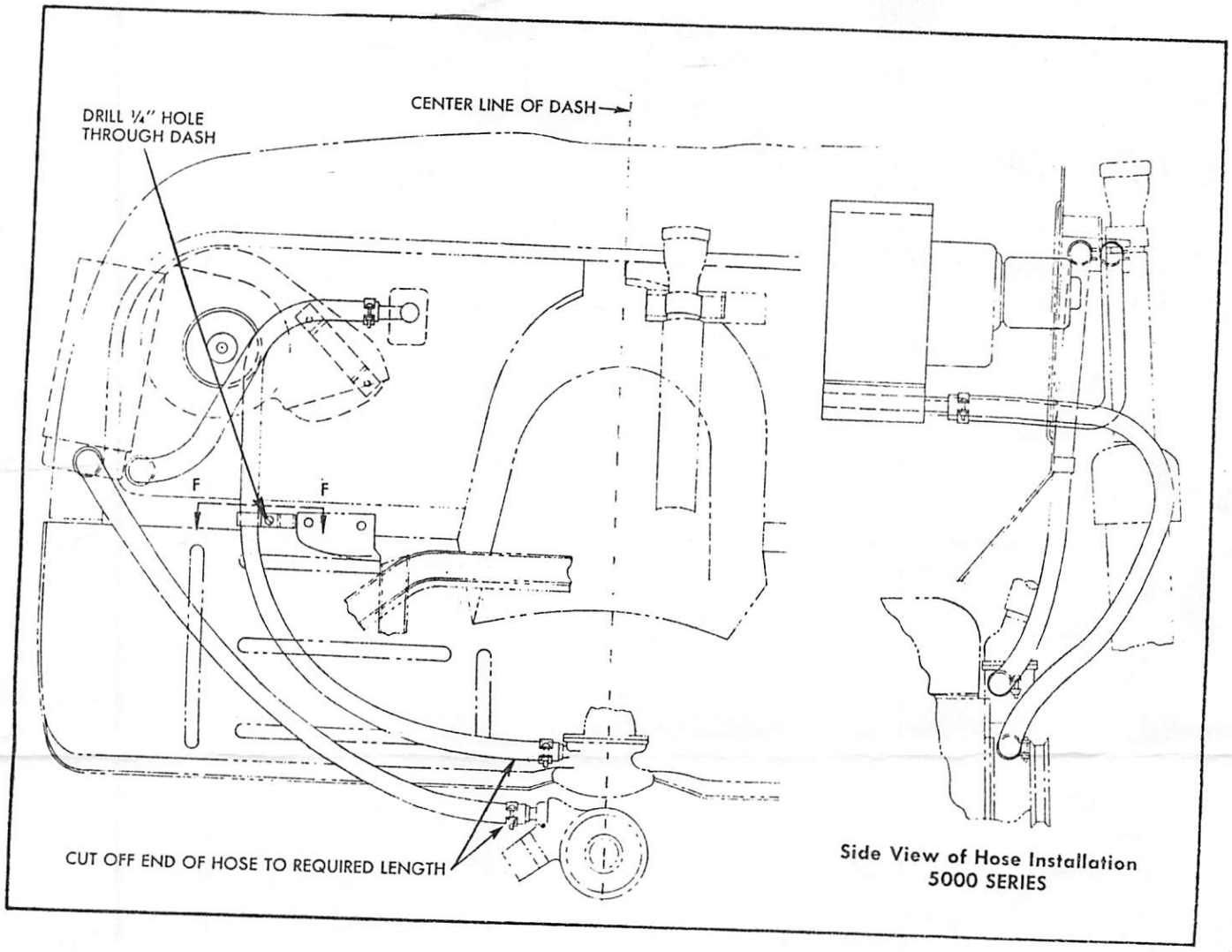

Figure 118

and temperature control as shown in figure 118. Be sure heater hose from thermostat housing is attached to temperature control pipe closest to dash.

3. Locate hose bracket on dash as shown in section "FF", figure 118. Drill 1/4 inch hole and mount with bolt, nut and washer furnished.

986799 HORN UNIT

Procedure for Installation of Horn Unit on All Model Trucks and Commercials.

1. To make a dual horn installation, the high note horn mounts on the front of dash as shown in figure 119.

2. From the existing holes in the dash locate and drill holes for the bracket and ground wire as shown in figure 119.

3. Loosen dash mat fasteners and install the reinforcement plate against the dash on the passenger side. Attach horn mounting bracket and ground wire as shown in section "AA", figure 119.

4. Mount horn on bracket with lockwashers and nuts and tighten securely.

5. Attach and run the horn to horn relay wire as shown in figure 119 and at the horn relay attach to terminal marked "H" to which the regular horn is also connected as shown in figure 119.

986299 RIGHT HAND TRUCK TAIL LAMP

Procedure for Installation of Right Hand Tail Lamp on All Model Trucks and Commercials.

1. First determine model, and take mounting location and measurements from figure 120.

2. Each truck mounting location in figure 120 indicates if lamp is fastened with bolts or screws.

FOR SCREWS - Use 3/16 inch drill.