HEATING AND DEFROSTING AIR DISTRIBUTION - DESCRIPTION AND OPERATION

1. General

A. This section is concerned with those components which distribute heated air to the heating and defrosting outlets. It does not include those components and sub systems which are used to produce or control temperature of heated air.

B. For a description of how heated air is produced, refer to Compressor Bleed Air Heater - Description and Operation.

C. For a description of how heated air is temperature controlled, refer to Temperature Control - Description and Operation.

2. Description and Operation

A. Heating/defrost system consists of heater valve, defroster valve, heater valve control, defroster valve control, defroster nozzles in the glareshield, plenums on left and right sidewalls near floor level, forward cabin heater ducts on aft side of firewall ducts, valves and clamps as required to connect system components.

B. System is controlled by two push-pull knobs on the cabin heat control panel. These knobs control volume of air allowed to pass into and through various heating and defrosting ducts located throughout airplane.