

DISTRIBUTION - DESCRIPTION AND OPERATION

1. Description and Operation

- A. This section is concerned with those systems which induct and distribute air for both environmental and equipment needs. It does not cover those devices which produce heated or cooled air, nor does it cover those devices used to change warm air temperature.
- (1) Environmental distribution system can be broken down to sub systems which provide a means of distributing fresh air, heated/defrosted air, and (optional) cool air within the airplane. Each system typically utilizes its own plenums and ducts to distribute air to respective outlets.
 - (a) For a description of how fresh air is inducted and distributed throughout ventilation sub system, refer to Fresh Air Distribution - Maintenance Practices.
 - (b) For a description of how hot air is distributed throughout heating/defrosting sub system, refer to Heating and Defrosting Air Distribution - Maintenance Practices. For a description of how hot air is produced, refer to Compressor Bleed Air Heater - Description and Operation. For a description of how warm air temperature is altered, refer to Temperature Control - Description and Operation.
 - (c) For a description of how optional freon cooled air is produced and distributed, refer to Freon Air Conditioning - Maintenance Practices.
 - (2) Equipment distribution system is limited to coverage of avionics cooling system. Refer to Avionics Cooling - Maintenance Practices.