

**INDEPENDENT POSITION DETERMINING - DESCRIPTION AND OPERATION****1. Description**

- A. The independent position determining systems provide information to aid in determining airplane position, and operate mainly independent of ground installation, including weather radar.
- B. King KWX-56 Color Weather Radar (Airplanes 20800001 thru 20800246 and Airplanes 208B0180 thru 208B0498).
- (1) This optional system consists of a wing mounted receiver/transmitter pod, and a stabilized X- band radar antenna and a panel mounted radar indicator.
  - (2) For the applicable King Maintenance Manual on this system, refer to List of Publications in front of this manual.
- C. Bendix RDS-82 Color Weather Radar.
- (1) This optional system consists of a wing mounted receiver/transmitter pod, and a stabilized X- band radar antenna and a panel mounted radar indicator. Refer to 208 Avionic Installations Service/Parts Manual for installation and electrical wiring information. Refer to List of Publications in front of this manual for appropriate Bendix Maintenance Manual on this system.
- D. Bendix RDS-81 Color Weather Radar.
- (1) This optional system consists of a wing mounted receiver/transmitter pod, and a stabilized X-band radar antenna and a panel mounted radar indicator. Refer to 208 Avionic Installations Service/Parts Manual for installation and electrical wiring information. Refer to List of Publications in front of this manual for appropriate Bendix Maintenance Manual on this system.
- E. BF Goodrich WX-1000+/E Stormscope Weather Mapping System.
- (1) The WX-1000+/E Stormscope Weather Mapping System is a lightning detection system. The system component include the stormscope computer, display unit, and stormscope antenna.
  - (2) The stormscope computer is installed on the aft avionics shelf. The display is installed in the instrument panel. The Stormscope antenna is installed on the top of the fuselage at FS 263.96, RBL 5.00.
  - (3) The stormscope system can detect, locate, and maps areas of vertical electrical charge activity (lightning) 360 degrees around airplane, to a distance of 200 nautical miles. The WX-1000+/E Stormscope System contains an electronic checklist you can customize to meet specific requirements. For more data concerning the stormscope system refer to the manufactures installation manual found in the List of Publications
- NOTE: The WX-1000 maintenance manual is listed in the List of Publications as, L-3 Communications Stormscope Series II Weather Mapping Systems WX-1000 Installation Manual.**