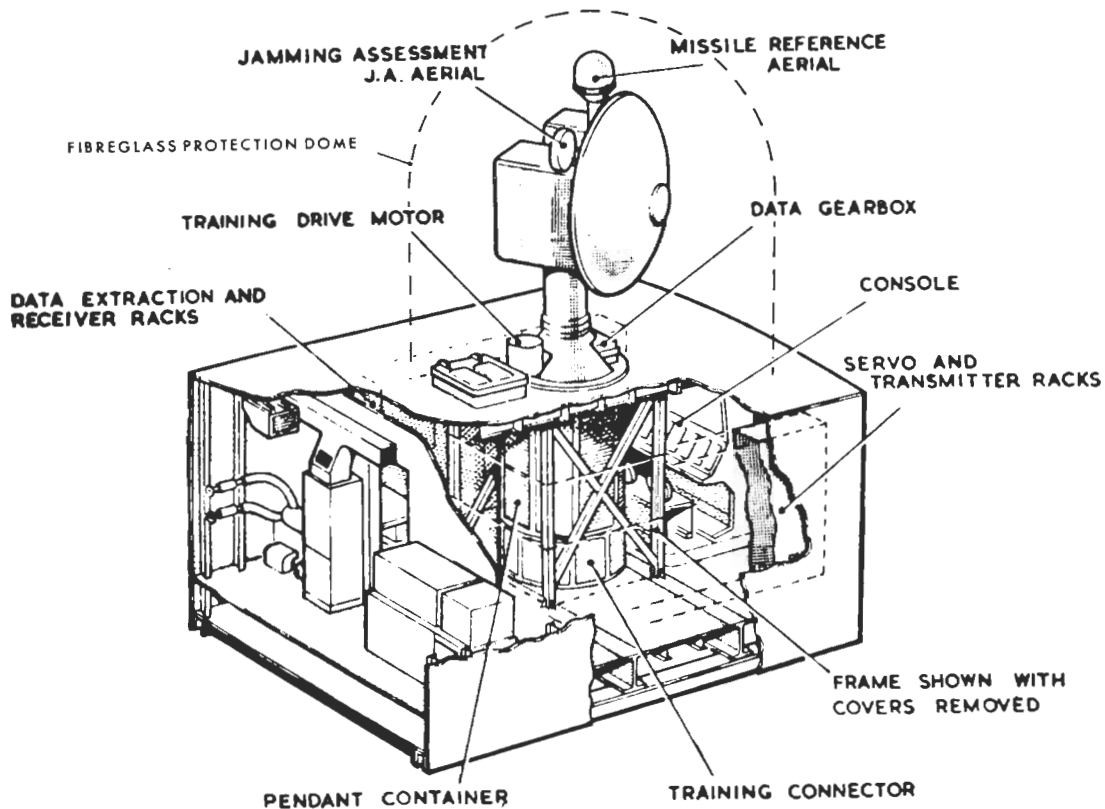


RADAR TYPE 909

909 primarily operates fully automatically under ADA control, but has the facility to follow indications from the visual sights (LAS), for the equipment to be operated in local or emergency mode.

Three aerials are carried on a two axis mounting, as shown on page 12. The 8 ft diameter main antenna is used for both transmission and reception by the tracker, and transmission only by the illuminator. The missile reference antenna is a horn aerial steered independently of the main antenna to transmit commands to the Sea Dart missile. The jamming assessment antenna generates an 8 Hz conical scan, thereby modulating echo returns not on the line of sight of the radar.

The J band transmitter and most of the I band transmitter are mounted in a pendant container suspended below and rotating with the director mounting. The whole is mounted on a prefabricated office containing most of the remaining associated equipment, thus enabling the entire radar to be set to work at the factory and installed in a fully operational condition onboard.



RADAR TYPE 909

