NAVIGATION



VOR NAVIGATION ANTENNA

The 37J-3, a horizontally-polarized antenna for receiving VOR and localizer signals, has a frequency range of 108-122 mc with a standing wave ratio of 5:1 or less. Its impedance is 52 ohms into an unbalanced line. Constructed of aluminum and plastic-filled, the antenna weighs 4 pounds and has a drag of approximately 2.6 pounds at 250 mph. It will withstand more than 150 pounds of sideward pressure. Lightning strike damage is minimized since the antenna is grounded to the aircraft. Antenna mounting does not require cutting of the airframe structure. The 37J-3 is used with Collins 51R and 51X Receivers for Omni and ILS reception. Dimensions: 12"H, 17½"W and 27"L. Base plate: 7½"L, 3¾"W. FAA certificated. Collins part number: 505 6800 004.



