

### STC SPECIFICATION SHEET

**FAA STC:** ST11858AT

**Master Drawing List:** 223173 – MDL

**Aircraft:** Boeing 737 -300/-400/-500

**Mod. Order:** Dependent on Aircraft Configuration

**AFMS:** N/A

**Master Kit List:** 223173 - MKL

**ICA:** 223173 - ICA

**Summary:** Installation of a Dual RA-6500 Radio Altimeter 5G C-Band (3.7 – 3.98 GHz ) tolerant System will serve as the source of radio altitude data in the existing data formats to all avionics which are currently interfaced to the existing radio altimeter system. The FreeFlight Systems Dual RA-6500 Radio Altimeter System is comprised of an adapted receiver/transmitter and transmit and receive antennas connected with inline magnetic coaxial isolators. The existing 437X-1/-1A transmit and receive antennas will be replaced with new antennas. These new antennas are of the same fit and form per ARINC 707 standards and weigh less than the existing antennas. All existing system wires and coaxial cables are left installed and reutilized.

**Estimated Electrical Installation Time:** 16 Man Hours

**Installation Kit Lead Time:** 4-6 Weeks

**Estimated Structural Installation Time:** 4 Man Hours

#### Equipment:

Items	Qty	Part Number	Source
*RA-6500 Radio Altimeter R/T	2	87990-11	FreeFlight
*Antenna, Radio Altimeter	4	S67-2002-12	Sensor Systems
		ALT: S67-2002	
		ALT: AT4300-14	
*†Personality Module	2	87002-30	FreeFlight

\* NOTE: All parts marked with the asterisk will be supplied by the operator.

† NOTE: All part marked with the cross are optional.

#### FAA:PMA Installation Kit:

Items	Qty	Part Number
Dual Radio Altimeter System Installation Kit	1	22317373K-1



Figure 1 – View of Rack Connector

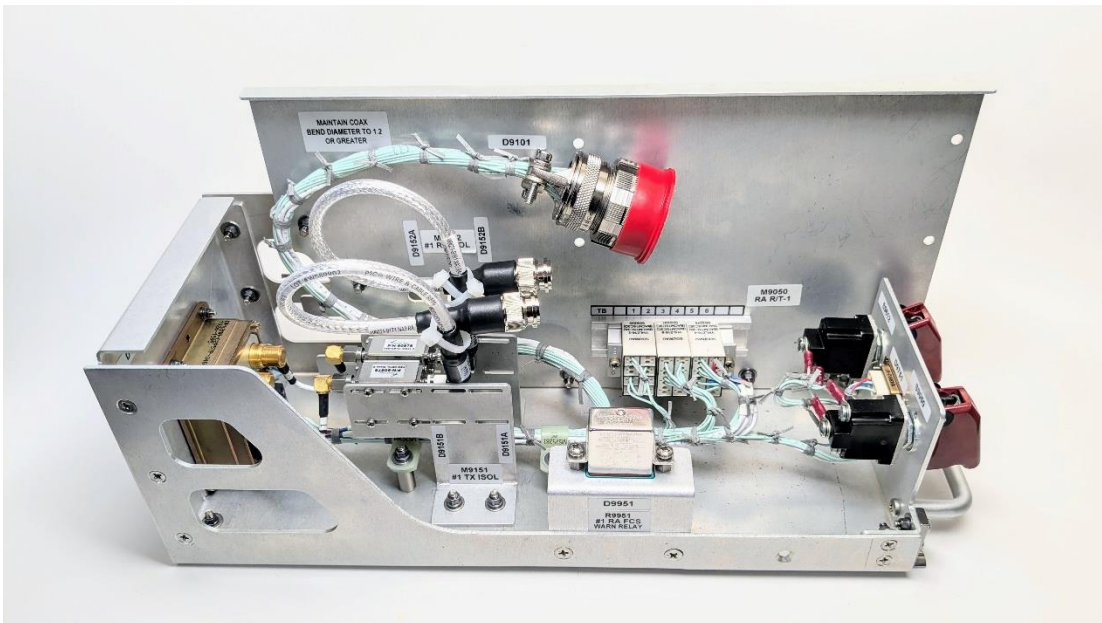


Figure 2 – View of Tray Internals