



## STC Information Sheet

**FAA STC:** ST01732AT

**Master Drawing List:** 97JLAV.028R-1, App. G

**Aircraft:** Boeing B737-200

**Configuration:** 1

FreeFlight (Trimble) 2101 I/O Approach Plus Global Positioning System (GPS) Installation

**Mod. Order:** 97JLAV.028M-1

**AFMS:** JLA-DGPS-AFM

**Master Kit List:** 97JLAV.028M-1, App. 7.1

**ICA:** 97JLAV.028R-1, App. M

### Summary:

The FreeFlight (Trimble) 2101 I/O Approach Plus Global Positioning System (GPS) entails installation of one GPS Receiver/Display Unit (RDU) in the forward pedestal, one GPS antenna/preamp at upper fuselage station 465, and associated annunciators and switching relays. A Shadin Air Data Computer (ADC) is installed to provide the GPS with Barometric Altitude, Outside Air Temperature and True Airspeed. The 2101 I/O Approach Plus GPS interfaces with the aircraft's existing HSI's and the autopilot via the Heading mode of operation.

### Notes:

The 2101 I/O Approach Plus GPS is approved for supplemental navigation only. Terminal operation and instrument approaches are not approved.

### Material List

QTY	Part Number	Description	Source/MFGR
1	81440-02-XXXX	GPS Receiver/Display Unit (RDU)	FreeFlight
1	81448-20	GPS Installation Kit	FreeFlight
1	81194 or AT575-43	Antenna, GPS 743 Hi-Speed	FreeFlight Aero Antenna