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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