



STC Information Sheet

FAA STC: ST02096AT

Master Drawing List: 99AERO-006R-1, App. A

Aircraft: Boeing B737-100/-200

Configuration:

Flight Data Recorder 18 Channel Upgrade

Mod. Order: 99AERO-006M-1

AFMS: N/A

Master Kit List: 99AERO-006M-1, App. 7.1

ICA: 99AERO-006R-1, App. E

Summary:

The Flight Data Recorder (FDR) 18 Channel Upgrade entails installation of sensors and associated wiring for additional parameters required by 14 CFR 121.344(b)(1). New parameters include pitch surface position, lateral control position, lateral surface position, yaw control position, lateral surface position, and lateral acceleration. Mechanical installation of the new sensors is accomplished in accordance with Boeing Service Bulletin (SB) 737-31-1100.

Notes:

* Dependent on currently installed FDR.

** Quantities/combinations of sensors dependent on specific aircraft effectivity.

Material List

| QTY | Part Number | Description | Source/MFGR |
|-----|---|-------------------------------|------------------------|
| 1 | 980-4100/4120-RXUS* or 980-4100/4120-GQUS* | Flight Data Recorder | Honeywell |
| 1 | 65C37678-1 or -11 | Kit, Pitch Surface Position | Boeing |
| 1 | 65C37675-11 | Kit, Lateral Surface Position | Boeing |
| 1 | 65C37677-1 or -11 | Kit, Yaw Surface Position | Boeing |
| 1 | 65C37679-1 or -11 | Kit, Rudder Pedal Position | Boeing |
| 1 | 65C37679-2 or -12 | Kit, Lateral Control Position | Boeing |
| 1 | 3001-01-111-2 | Tri-Axial Accelerometer | Patriot |
| ** | H532B | RVDT Transmitter | Novatronics |
| ** | 60B40042-3 or S250N104-4 | Synchro Transmitter | Boeing |
| 1 | 99AERO-006D-31 | FDR Wire Harness | Woven Electronics, LLC |