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STC Information Sheet

FAA STC: ST02843AT

Master Drawing List: EMTQ-041-MDL

Aircraft: Boeing B727-100/-200

Configuration:

Honeywell TRA-67 Mode S and CAS-81 TCAS II Installation

Mod. Order: EMTQ-041M-1 or 2-25441-810

AFMS: EMTQ-041-FMS

Master Kit List: EMTQ-041-MKL

ICA: EMTQ-041-CAW

Summary:

The Honeywell TRA-67 Mode S and CAS-81 Traffic Alert and Collision Avoidance System (TCAS) II consist of replacing the existing #1 ATCRBS transponder with a TRA-67 Mode S transponder, replacement of the existing ATC control panel with an ATC/TCAS control unit, installation of an upper L-band antenna, installation of a CAS-81 TCAS Processor, installation of upper and lower TCAS Directional antennas, installation of a Gables speaker, and replacement of the existing Vertical Speed Indicators (VSI) with IVA-81A/D TA/VSI displays.

Notes:

- * 066-50000-2220, -2221, -2620, -2720 or later TSO approved.
- ** 066-50001-0901, -3504, -3604, -8105, -8106, 066-01171-1001, -0901, -3504, -3604, -8105, -8106 or later TSO approved.
- *** 066-01127-1301, -1401, -1601 or later TSO approved.

Material List

QTY	Part Number	Description	Source/MFGR
1	066-50000-2120*	Processor, TCAS	Honeywell
2	066-50001-1001**	Indicator, TA/VSI (IVA-81A/D)	Honeywell
2	071-50001-8102	Antenna, TCAS Directional	Honeywell
1	G6993-12	Panel, ATC/TCAS Control	Gables
1	066-01127-1101***	Transponder, Mode S	Honeywell
1	G5515V1	Speaker, TCAS	Gables
1	S65-5366-7L	Antenna, L-Band	Sensor Systems
1	EMTQ-041K-1	Top Kit, TCAS & Mode S	B/E Aerospace