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STC Information Sheet

FAA STC: ST02592AT

Master Drawing List: ACSS-001-MDL

Aircraft: Fokker F-27 Mark 500/Mark 600 Series

Configuration: 1

ACSS TCAS 2000 (with TAWS Provisions) and Dual Mode S Transponder System Installation

Mod. Order: ACSS-001M-1

AFMS: ACSS-001-FMS

Master Kit List: ACSS-001-MKL

ICA: ACSS-001-CAW

Summary:

The ACSS Traffic Alert and Collision Avoidance System (TCAS 2000) installation consists of a RT-950 TCAS Computer, and two RCZ-852 Mode S Transponders (replacing the existing Transponders, if installed) in the avionics compartment, two VSI/TRA Displays replacing the existing Vertical Speed Indicators (VSI), an ATC/TCAS Control Panel replacing the existing Air Traffic Control (ATC) Control Panel, upper (directional) and lower (omni-directional) TCAS Antennas, and upper and lower Mode S Antennas installed on the upper and lower fuselage, respectively.

This STC also installs an ADC 2000 Air Data Computer in the avionics compartment and a TCAS speaker replacing the existing Pilot's cockpit speaker. Provisions for Terrain Awareness and Warning System (TAWS) are provided.

Notes:

* Either part number is acceptable but both installed transponders must be the same part number.

** As required, maximum quantity is 3, minimum quantity is 1.

Material List

QTY	Part Number	Description	Source/MFGR
1	7517900-10004	RT-950 TCAS Computer	ACSS
2	7510700-951* or 7510700-850*	RCZ-852 Mode-S Transponder	ACSS
1	G6992-22	ATC/TCAS Control Panel	Gables Eng.
2	457400PB1901	VSI/TA/RA Display	Thales
1	7514081-915	TCAS Directional Antenna	ACSS
3**	S65-5366-7L	L-Band Antenna	Sensor Systems
1	G5515-26	TCAS/Cockpit Speaker	Gables Eng.
1	962830A-1	ADC 2000 Air Data Computer	Shadin