

STC Information Sheet

FAA STC: ST03912AT

Master Drawing List: 2-84928-001

Aircraft: ATR-GIE Avions de Transport Regional ATR-42/72

Configuration: 1

ACSS T²CAS and Mode S Transponder System Installation

Mod. Order: 2-84928-801

AFMS: 2-84928-804

Master Kit List: 2-84928-802

ICA: 2-84928-805

Summary:

The ACSS Terrain and Traffic Collision Avoidance System (T²CAS) installation consists of a TT-952 T²CAS Computer, an AP-950 Aircraft Personality Module (APM) and two RCZ-852 Mode S Transponders replacing the existing ATCRBS Transponders installed in the avionics compartment, two VSI/TRA Displays replacing the existing Vertical Speed Indicators (VSI), an FID/ATC/TCAS Control Panel replacing the existing Air Traffic Control (ATC) Control Panel, and upper (directional) and lower (omni-directional) TCAS Antennas and upper (new) and lower (existing) Mode S Antennas installed on the upper and lower fuselage, respectively.

Notes:

N/A

Material List

QTY	Part Number	Description	Source/MFGR
1	9000000-20405	T ² CAS Computer	ACSS
1	9000001-10001	Aircraft Personality Module (APM)	ACSS
2	7510700-951	Diversity Mode-S Transponder	ACSS
2	7510707-968	RCZ-852 Installation Kit	ACSS
1	G7624-121	FID/ATC/TCAS Control Panel	Gables Eng.
2	457400HB1901	VSI/TRA Display	Thales
1	7514081-901	TCAS Directional Antenna	ACSS
1	S65-5366-735	Omni-directional TCAS Antenna	Sensor Systems
1	AT575-143W-TNCF-000-RG-30-NM	GPS Antenna	Aero Antenna Technology
1	DM NI50-2-2	Mode-S Antenna	Dorne & Margolin
1	ATR42-T2CAS-900	Kit, ATR-42/72 T2CAS	Woven Electronics, LLC