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Find the *Cobham / Aeroflex / IFR TS-4317/GRM* at our website: *Click HERE*

Military Communications

RCTS-003B Radio Communications Test System



The RCTS-003B provides "State of the Art" capabilities for semi-automated testing of Life Support communications

RCTS-003B Radio Communications Test System

The RCTS-003B Radio Communications Test System is made up of the general purpose TS-4317 Military Communications Test Set and the J-4843A Generic Appliqué Housing (J-Box) with the RPM-003B Radio Personality Module (RPM) fitted for testing life support radios.

The RCTS-003B Radio Communications Test System is a fully self-contained, transportable, semi-automated test system that is being fielded for use by the US Armed Forces for operational verification testing and/or repairs of Life Support Radio Systems. With new expanded features, operators of the RCTS-003B can be assured that front line life support assets are mission ready, with a corresponding increase in operational readiness.

Now updated for the latest radios with increased current handling and 406 MHz COSPAS/SARSAT functions, the RCTS-003B provides full functional testing of all operational modes: Single Channel Voice, Beacon, DME Transponder testing and 406 MHz waveform decoding.

All Life Support LRUs listed below can be verified, tested and repaired when used in conjunction with the Maintenance Group (Cables, Repair Manuals, Special Tools, etc.) supplied by Aeroflex.

PRC-90	PRC-112	PRC-112D
PRC-90-1	PRC-112A	PRC-112G
PRC-90-2	PRC-112B	URT-33 C/M
PRC-90-T	PRC-112B1	URT-33D
PRC-90-2T	PRC-112C	Quickdraw 2

Upgrade of RCTS-003 to RCTS-003B

Users of the RCTS-003 system for life support radios can upgrade their systems to the new RCTS-003B configuration to handle the latest life support radios including the PRC-112G. The RCTS-003B system provides additional test capability for PRC-112G radios with COSPAS/ SARSAT and SATCOM capabilities.

RCTS-003B LIFE SUPPORT Accessories

AAJ312	Life support kit (PRC-112 including PRC-112G)
AAJ313	Life support kit (PRC-90)
AAJ307	Life support kit (URT-33)
AAJ305	Accessory bag for cables and adapters
AAT014	Hard case
AAJ109	SCSI to USB interface adapter module

Note:

With the new RCTS-003B, the following updated part numbers are in effect:

7005-0746-600	Acoustic coupler for PRC-90
7005-0746-700	Acoustic coupler for PRC-112
6057-2194-200	SMA-BNC cable

Please ensure that when upgrading your RCTS-003 to RCTS-003B status, the proper updated part numbers are used.

SCSI to USB Interface Adapter Module

The SCSI to USB Interface Adapter Module allows the user to update the RCTS-003B (TS-4317, J-4843A and RPM-003B) software through the USB port. Additionally, it will allow the user to capture and store report data onto a USB thumb drive. The operator can then transfer the USB thumb drive to a USB capable computer for long term storage of report data or to generate printouts of the test results.

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Part No. 46891/270, Issue 3, 10/07

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