



Rockwell
International

instructions

AC-85106 RF Translator Kit (622-4612-())

Collins Telecommunications Products Division

523-0769227-001211

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AC-85106 RF Translator Kit
(622-4612-())

523-0769227-001211

1. DESCRIPTION

The AC-85106 RF Translator Kit 622-4612-() contains a replacement rf module.

When installed, the 622-4612-001 provides 10 1/2-octave bandpass filters for receive filtering and a narrowband 109.35-MHz if filter (± 7.50 kHz at 3-dB points).

When installed, the 622-4612-002 provides three broadband rf filters and a broadband 109.35-MHz if filter (± 6.10 kHz at 0.5-dB points).

Refer to table 1 for equipment this kit is used on.

Table 1. AC-85106 RF Translator Kit, Equipment Used On.

EQUIPMENT	COLLINS PART NUMBER
HF-8050 Receiver	622-3385-()
HF-8050A Receiver	622-3393-()
*851S-1 Receiver	622-4272-()
*This kit factory installed on some configurations of this unit.	
AC-85106 RF Translator Kit (622-4612-001) is not used on (or adaptable to) HF-8050 or HF-8050A Receivers.	

2. INSTALLATION

Installation of the AC-85106 RF Translator Kit 622-4612-() consists of installing an rf translator A9 and checking that the correct strapping is in place on the control card A10.

- Remove top cover from unit.
- Remove A10 CONTROL from unit.
- Check filter strapping on A10 CONTROL.

Note

If AC-85106 RF Translator Kit 622-4612-001 is being installed (RF Translator 637-3757-001), set strapping for 1/2-Octave filtering. Set four filter straps (from SF) to OF.

Note

If AC-85106 RF Translator Kit 622-4612-002 is being installed (RF Translator 637-1767-002), set strapping for standard filtering. Set four filter straps (from OF) to SF.

- Reinstall A10 CONTROL in its original position in unit.
- Remove rf translator A9 from unit.
- Install new rf translator (637-3757-001 or 637-1767-002) in its allocated position in unit.
- Reinstall unit top cover.

3. REPAIR

Repair of the AC-85106 1/2-Octave Filter Kit is accomplished using standard maintenance and planar card repair procedures. Refer to the maintenance section of this instruction book for planar card repair procedures.

4. PARTS LIST/DIAGRAMS

This paragraph assists in identification, requisition, and issuance of parts, and in installation of the equipment. The Collins part number and description of each nonstandard replacement part are listed in table 2.

The cards in this kit are covered in the following instructions which are included in this instruction book.

- a. RF Translator (637-3757-001) instructions (Collins part number 523-0769220).
- b. RF Translator (637-1767-001, -002) instructions (Collins part number 523-0767959).

Table 2. AC-85106 RF Translator Kit, Parts List.

PART NUMBER	COLLINS PART NO	QUANTITY USED ON AC-85106 RF TRANSLATOR KIT 622-4612-()		
		-001	-002	
Rf translator (1/2-octave rf filtering)	637-3757-001	1		
Rf translator (broadband if filtering)	637-1767-002		1	
Drawing envelope	520-8360-214	1	1	
Installation Kit--RF Translator AC-85106	622-4612-()	1	1	