



**Rockwell  
International**

**instructions**

# AC-85105 Optional Filters Kit (622-4611-( ))

Collins Telecommunications Products Division

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## 1. DESCRIPTION

AC-85105 Optional Filters Kit 622-4611-( ) contains an if filter card and two sets of decals to mark the front-panel BANDWIDTH switch. When installed, the AC-85105 Optional Filters Kit allows selection of filters using the front-panel MODE switch and BANDWIDTH switch. Normally selection of specific filters is made in SSB/CW or AM modes. The if filter card is installed in the local unit and one set of decals is used to appropriately mark the front-panel BANDWIDTH switch of the local unit. The second set of decals is used to mark the front-panel BANDWIDTH switch on the associated control unit (if applicable). Refer to table 1 for equipment this kit is used on.

## 2. INSTALLATION

Installation of AC-85105 Optional Filters Kit 622-4611-( ) consists of installing an if filter card and front-panel decals.

Table 1. AC-85105 Optional Filters Kit, Equipment Used On.

EQUIPMENT	COLLINS PART NUMBER
*851S-1 Receiver	622-4272-( )
**HF-8095 Receiver Control	622-3489-( )
*This kit is factory installed on some configurations of this unit. **Control, associated only with 851S-1 Receiver with remote control or 851S-1 Receiver with AC-8090 Remote Control Kit installed.	

### 2.1 Filter 637-2515-( ) Installation

- a. Remove top cover from unit.
- b. Remove A8 CHAN A IF from the unit.
- c. Plug filter into A8 CHAN A IF.
- d. Secure filter in place using screw and washers supplied in this kit.
- e. Insert A8 CHAN A IF in its original position in unit.
- f. Reinstall unit top cover.

### 2.2 Decal Installation

**Note**

Extra decals in kit to be installed on associated control unit (if applicable).

Install adhesive-backed decals in front-panel recess at BANDWIDTH switch positions as shown in table 2.

Table 2. Decal Installation.

BANDWIDTH SWITCH POSITION	DECALS INSTALLED			
	KIT 622-4611-( )			
	-001	-002	-003	-004
A	-	6	6	6
B	-	3	3	3
C	-	1	1	1
D	-	0.5	0.5	0.5
E	-	0.2	0.2	0.1

**3. REPAIR**

Repair of the AC-85105 Optional Filters 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.

equipment. The Collins part number and description for each nonstandard replacement part are listed in table 3.

**4. PARTS LIST/DIAGRAMS**

This paragraph assists in identification, requisition, and issuance of parts, and in maintenance of the

Filter 637-2515-( ) is covered in Filter 637-2515-( ) instructions (Collins part number 523-0767967) included in this instruction book.

Table 3. AC-85105 Optional Filters Kit Parts List.

PART DESCRIPTION	COLLINS PART NUMBER	QUANTITY USED ON			
		AC-85105 OPTIONAL FILTERS KIT 622-4611-( )			
		-001	-002	-003	-004
Filter	637-2515-001		1		
Filter	637-2515-004	1			
Filter	637-2515-005			1	
Filter	637-2515-006				1
Decal, 0.1	635-9700-001				2
Decal, 0.2	635-9700-002		2	2	
Decal, 0.5	635-9700-003		2	2	2
Decal, 1	635-9700-004		2	2	2
Decal, 3	635-9700-005		2	2	2
Decal, 6	635-9700-006		2	2	2
Drawing envelope	520-8360-134	1	1	1	1
Installation Kit-Optional Filters, AC-85105	622-4611-( )	1	1	1	1