

**A-1 General**

This appendix is intended for and applicable only to Instruction Book 523-1000-062009249 when supplied with Transceiver 32RS-1D.

**A-2 Transceiver 32RS-1D**

Transceiver 32RS-1D is intended only for voice communication and RTTY operation provided the upper tone frequency is not higher than 2.3 kHz. Transceiver 32RS-1D is similar to transceiver 32RS-1C, differing only in the reduced IF bandwidth to 2.3 kHz, conforming to the Canadian Department of Transport Regulations, RSS 122 and RSS 123 and FCC Rules and Regulations.

**A-3 Changes to Instruction Book**

Changes to Instruction Book are as follows:

Section II	Table 2-1, page 6.	
	Delete the following:	
	9.0-12.0 Mc. Coil Kit part number and all associated coil part numbers.	
	Add the following:	
	9.0-10.4 MC	
	Plug-in Coil Kit	Part Number 567-5359-001
	Antenna Coil	Part Number 567-5352-001
	First RF Coil (2 required)	Part Number 567-5353-001
	Plate Coil RF	Part Number 567-5354-001
	Coil RF	Part Number 543-4349-00
	Coil PA	Part Number 567-4656-00
	10.4-12.0 Mc	
	Plug-in Coil Kit	Part Number 567-5360-001
	Antenna Coil	Part Number 567-5356-001
	First RF Coil (2 required)	Part Number 567-5357-001
	Plate Coil RF	Part Number 567-5358-001
	Coil RF	Part Number 543-4349-00
	Coil PA	Part Number 567-4656-00

Section VI	Parts List, page 24.	
	Delete: C30 -----	912-0472-00
	Add: C30, CAPACITOR, FIXED, MICA:	912-0460-00
	36 pf, $\pm 2\%$ , 500 V d-c	
	Delete: C36 -----	912-0469-00
	Add: C36, CAPACITOR, FIXED, MICA:	912-0457-00
	33 pf, $\pm 2\%$ , 500 V d-c	
	Delete: C49 -----	912-0472-00
	Add: C49, CAPACITOR, FIXED, MICA:	912-0460-00
	36 pf, $\pm 2\%$ , 500 V d-c	
	Delete: C50 -----	913-3549-00
	Add: C50, CAPACITOR, FIXED, MICA:	913-4114-00
	5, 100 pf, $\pm 20\%$ , 500 V d-c	
	Add the following below CR8:	
	CR9, SEMICONDUCTOR DEVICE, DIODE:	353-3220-00
	Zener voltage regulator IN963A	
Section VI	Parts List, page 25.	
	Delete: C72 -----	912-0493-00
	Add: C72, CAPACITOR, FIXED, CERAMIC:	928-4060-00
	100 pf, $\pm 5\%$ , 500 V d-c	
Section VI	Parts List:	
	Add the following:	
	C167 CAPACITOR, FIXED, MICA:	913-5015-030
	thru 15 pf	
	C169 $\pm 2\%$ 500 V d-c	
Section VI	Delete: FL1 -----	526-9365-00
	Add: FL1 FILTER MECHANICAL:	526-9395-00
	453.55 kHz operating frequency,	
	2.3 kHz bandwidth, 100 k ohms,	
	input and output	
Section VI	Parts List, page 26.	
	Delete: K1 -----	972-1353-00
	Add: K1, RELAY ARMATURE: 3A 2C	972-1560-00
	Contacts 250 V d-c, 100 ma or	
	115 V d-c 300 ma. Coil 4,000	
	ohms 6 ma	

Section VII Make the following changes:

Figure 7.1 Change value of C30, 51 pf to 36 pf

Sheet 1 Change value of C36, 47 pf to 33 pf

Change value of C49, 51 pf to 36 pf

Change value of C50, 5,000 to 5,100 pf

Add: C167 15 pf across C30

Add: C168 15 pf across C49

Add: C169 15 pf across C36

Add: CR9 IN963A across C29, with cathode to ground

Section VII Make the following changes:

Figure 7.1 Break the line connecting R28, V2B pin 6 and C89

Sheet 1 Add: a set of open contacts across the break

Designate the contacts as follows:

Add: K1 to denote the relay

Add: 13 to denote relay contact at the junction of R28 and V2B  
pin 6

Add: 12 to denote relay contact connecting C89

