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:

<table>
<thead>
<tr>
<th>Section II</th>
<th>Table 2-1, page 6.</th>
<th>Delete the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.0-12.0 Mc</td>
<td>Coil Kit part number and all associated coil part numbers.</td>
<td>Add the following:</td>
</tr>
</tbody>
</table>

| 9.0-10.4 MC | Part Number 567-5359-001 |
| Plug-in Coil Kit | Part Number 567-5352-001 |
| Antenna Coil | Part Number 567-5353-001 |
| First RF Coil (2 required) | Part Number 567-5354-001 |
| Plate Coil RF | Part Number 543-4349-00 |
| Coil RF | Part Number 567-4656-00 |
| Coil PA | Part Number 567-5360-001 |

| 10.4-12.0 Mc | Part Number 567-5356-001 |
| Plug-in Coil Kit | Part Number 567-5357-001 |
| Antenna Coil | Part Number 567-5358-001 |
| First RF Coil (2 required) | Part Number 543-4349-00 |
| Plate Coil RF | Part Number 567-4656-00 |
Section VI  
Parts List, page 24.
Delete: C30  -----------------------------------------------------  912-0472-00
Add: C30, CAPACITOR, FIXED, MICA:
   36 pf, ± 2%, 500 V d-c  912-0460-00
Delete: C36  -----------------------------------------------------  912-0469-00
Add: C36, CAPACITOR, FIXED, MICA:
   33 pf, ± 2%, 500 V d-c  912-0457-00
Delete: C49  -----------------------------------------------------  912-0472-00
Add: C49, CAPACITOR, FIXED, MICA:
   36 pf, ± 2%, 500 V d-c  912-0460-00
Delete: C50  -----------------------------------------------------  913-3549-00
Add: C50, CAPACITOR, FIXED, MICA:
   5,100 pf, ± 20%, 500 V d-c  913-4114-00
Add the following below CR8:
CR9, SEMICONDUCTOR DEVICE, DIODE:
   Zener voltage regulator IN963A  353-3220-00

Section VI  
Parts List, page 25.
Delete: C72  -----------------------------------------------------  912-0493-00
Add: C72, CAPACITOR, FIXED, CERAMIC:
   100 pf, ± 5%, 500 V d-c  928-4060-00

Section VI  
Parts List:
Add the following:
C167 CAPACITOR, FIXED, MICA:  913-5015-030
   thru 15 pf
C169 ± 2% 500 V d-c

Section VI  
Delete: FL1  -----------------------------------------------------  526-9365-00
Add: FL1 FILTER MECHANICAL:
   453.55 kHz operating frequency,
   2.3 kHz bandwidth, 100 k ohms,
   input and output  526-9395-00

Section VI  
Delete: K1  -----------------------------------------------------  972-1353-00
Add: K1, RELAY ARMATURE: 3A 2C
   Contacts 250 V d-c, 100 ma or
   115 V d-c 300 ma. Coil 4,000
   ohms 6 ma  972-1560-00
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