



DOCUMENT NUMBER: 17-00181
ISSUE NUMBER: 1
ISSUE DATE: February, '98

RELATED DOCUMENTS:
C/R

Ripple or oscillations on 8571 'B' rail

1. Scope

8571 Remote Control Interface units may exhibit irregular ripple or oscillations on the 'B' rail. This is likely to be discovered where the unit is undergoing service.

Units sold from February 1998 commencing at Serial Number A0882 have the modifications described below.

2. Symptoms

The user will not observe any specific symptoms.

3. Cause

The cause is insufficient capacitance on the output of the 10 volt regulators which provide the 'B' rail of both the Microprocessor and Transceiver Interface PCB (08-03993) and the Dual Line Equaliser PCB (08-03905-00X).

Please note, there could be one or two Dual Line Equaliser PCBs fitted.

4. Corrective action

The value of the capacitors on the 'B' rail of all identified PCBs should be changed to 10 μ F.

5. Details

5.1 Parts required

1 x 10 μ F tantalum capacitor, Codan part number 47-11003-510, for each of the identified PCBs. (Minimum of 2, maximum of 3)

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5.2 Tools required

- Pozidrive screwdriver (1 point)
- Desoldering tool
- Soldering iron
- Solder

5.3 Procedure

This procedure presumes that the unit is already removed from the installation and is undergoing service.

- ❑ Locate and remove the 08-03095-00X PCB(s) and the 08-03993 PCB from the unit. Refer to Figure 1.

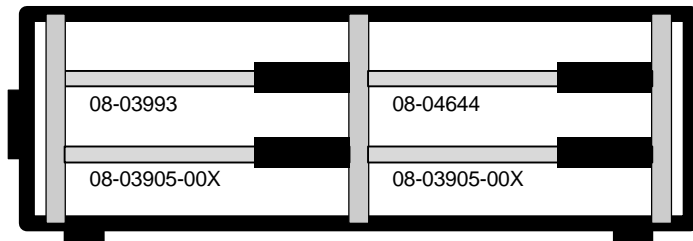


Figure 1. Location of PCBs

- ❑ Referring to the part numbers printed on the PCBs, locate the relevant capacitors:
On the 08-03095-00X PCB, locate C6. Refer to Figure 2.
On the 08-03993 PCB, locate C31. Refer to Figure 2.

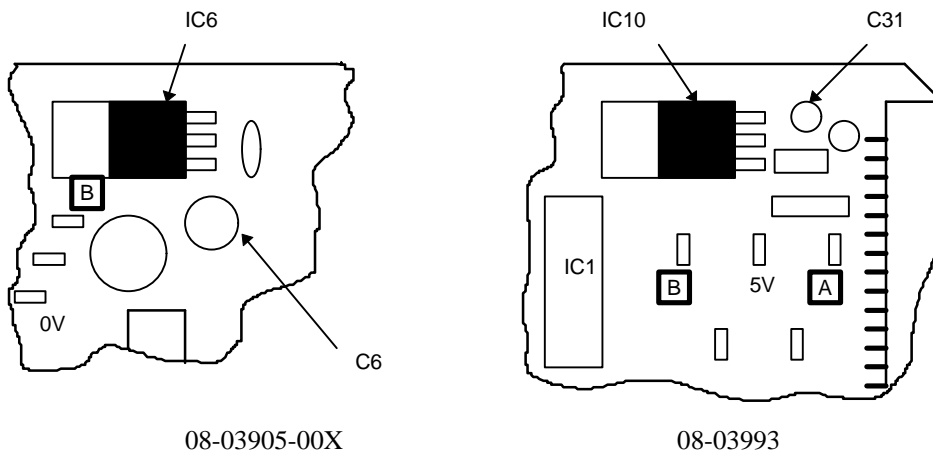


Figure 2. Location of C6 and C31

- ❑ Remove C6 and C31 and replace them with 10 μ F capacitors.
- ❑ Reinstall the PCBs ensuring they go in the correct positions. Refer to Figure 1.