



# Service bulletin

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**Part affected:** 9080 Interface board, 9080 C.O. Controller board  
**Products affected** RT9080 E&M Controller ser. no's 001,002,003,004,005,006,007,008,009  
**At issue:** Possible problems with ring detection

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The following points should be noted regarding the first release of the RT9080 with ser. no's 001-009.

## Interface board

1) On the first release, the interface board is not grounded to the units chassis ground. This may cause a problem of ring detection (tip ring to ground / ring ring to ground) It is recommended that a ground wire is soldered to the negative side of the power input connector(pin 2 of P1). The other side of the ground wire should be screwed down to the chassis using the unused tapped #4-40 hole next to the power input connector.

## C.O Controller board (mounted piggiback on the interface board)

1) For correct partyline ring detection, link 3 and link 10 should be in position B, If these links are not installed, erratic interrupted ring may be caused.

### Note:

The C.O controller boards used on units with the above serial numbers were setup for E&M signalling and required slightly different levels. Should these boards ever be configured together with a 9080 radio to operate as a standard C.O., the following changes should be made.

2) To allow the line level to be adjustable to 0dBm, R 71 should be changed to 4.7kohm.

3) The dual tone combination may be distorted due to excessive levels. To correct this, resistor R30 should be changed to 4.3kohm or the nearest value available.

**picture**