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Option PP in 85 Series Transceivers when used in Remote Control Systems

Symptom

On some 8570/8571 Remote Control Installations, when using the **Tcvr On'Off** keypad on the 8570 Console to turn off the transceiver, the transceiver immediately turns itself back on again. A similar symptom is exhibited when attempting to turn off the transceiver at the front panel.

Reason

The 8571 Remote Control Interface requires unswitched power from the associated transceiver. The symptoms described occur when the power supply to the 8571 is switched by the transceiver. This causes the low voltage circuitry in the 8571 to generate a reset signal which instructs the transceiver to turn back on again.

Remedy

Some transceivers fitted with option PP may have been incorrectly wired resulting in switched power being connected to the 4 pin power socket on the rear panel of the transceiver. The wiring of option PP within the transceiver should be checked (and rectified if incorrect) as per the attached fitting instructions 15-10342-001. Unswitched power is provided from the **Aux** terminal connection whereas switched power is connected from the **A** terminal.