

RFI Modification

06/04/98

Any ProTek unit experiencing RFI on-site

All firmware versions

Problem:

Erratic phone connection at site though unit operates normally on the bench during initial check out and programming. Symptoms may include random erroneous characters upon connection, 300 baud only operation, or occasional unexplained disconnection

Solution:

- 1 Add .001uf capacitors rated at 1500V from P16 pin 3 to ground and from P16 pin 4 to ground. The most effective location for these capacitors will be on the bottom of the PCB from the RJ11C to the ground bus immediately adjacent to the connector.
- 2 Cut the two traces on the component side of the PCB between the RJ11 jack (P16) and the DAA (U52). Score the traces using the side of the U52 as a guide. The foil can be neatly cut with a razor knife and the foil peeled from the board.
- 3 Install the two coils on the bottom of the board as indicated below. For the CH1817 connect one coil between P16 pin 3 and U52 pin 1 and the other between P16 pin 4 and U52 pin 2. The added components are **bolded** on the diagrams below. *If you are modifying an older ProTek with the CH1816 or XE0002, please notice that the CH1816 pin outs are different from the CH1817 pin outs.*

