

a detector probe to each input in turn, which of the three channels A, B or R is affected. Functional checks at the beginning of this chapter show the message normally expected when a detector probe is connected to each channel input in turn.

81. If one channel only is affected it is possible that the fault lies in that channel's Chopper or 1st stage amplifier. If board AF03 replacement is thought to be necessary it should be carried out with extreme care. Interconnections between each of the probes input sockets and the board are kept as short as possible to prevent noise pick-up. Fig. 10 indicates the interconnections between the probe input sockets, their pin connections and the board terminations. Also indicated are the wires that require sleeving.

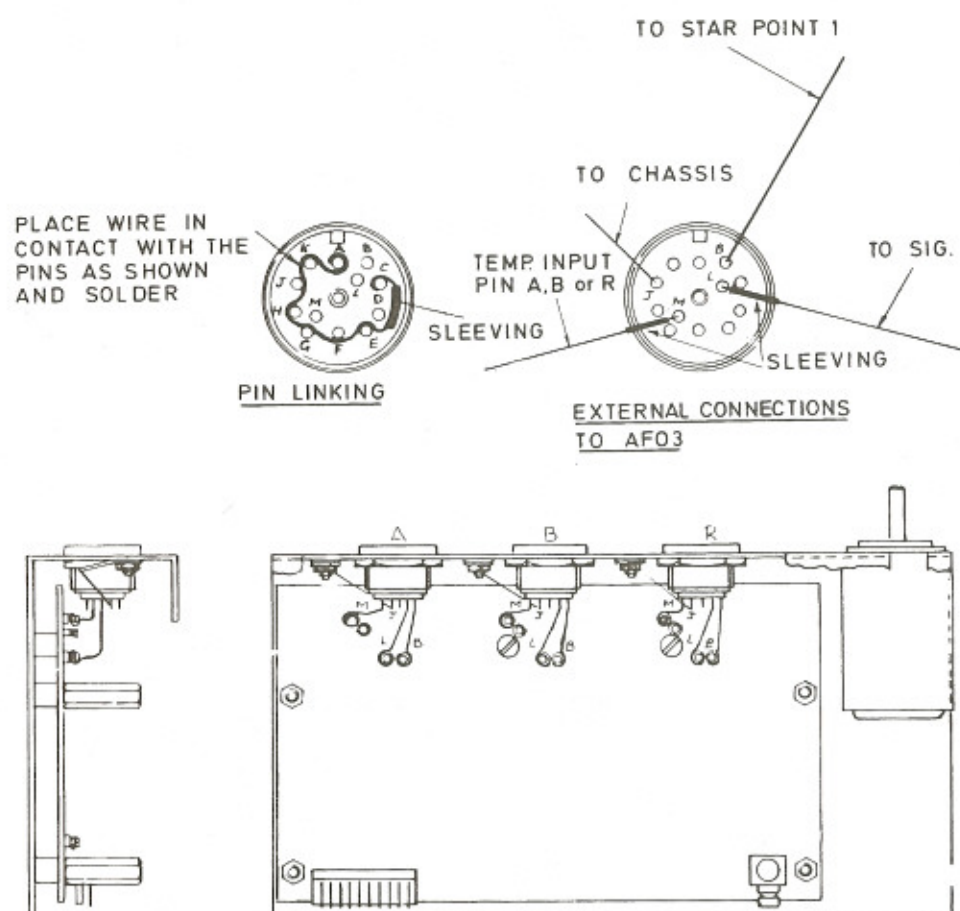


Fig. 10 Probe input sockets and AF03 board interconnections

82. A list of possible faults associated with the Signal input board AF03 follow. These are by no means exhaustive but are rather meant as a guide to assist the user to determine the likely area of the defect.

(1) Fault symptom : 'No probe' on one channel only.

Possible fault : Short circuit between Probe input socket and AF03 board.

Check : That all connections to the input probe socket pins are correctly terminated and sleeved as shown in Fig. 10. Ensure that connections to pins B, M and L are not shorting to a chassis pin connection.