

CSI TECH-NIQUE BULLETIN #3-A

Subject: TP-154 Interface Diagram For MOTOROLA R100

MOTOROLA
R100

CSI
TP-154

JAUX

Pins_1-25

Pins_1-10

- (14) DESKSET GND ----- GND (1)
- (3) PHONE PATCH A+ ----- +12 VDC (2)
- (14) DESKSET GND ----- GND (3)
- (5) AUDIO FROM PHONE PATCH ----- TX AUDIO (4)
- (4) PHONE PATCH PTT ----- PTT (5)
- (25)* REC AUDIO, DISCRIMINATOR ----- RX AUDIO (6)
- (23)* TX MODULATION OF SUB TONES ----- SUB-TONE (7)
- (24)* Squelch ----- COS (8)

Note: The connections to 23, 24, and 25 must be added and are described below:

(23) SUBTONE

Locate the Transmit Command Board. Locate C607 which is a 1uF electrolytic. Remove C607 and make a connection to the hole where the + side of C607 was located. Connect the other side of this wire to pin 23 of JAUX. Shielded wire is preferred, connect the shield to pin 14 of JAUX.

(24) COS

Locate the connector between the RF board and the Receive Control Board, J3/P3. Connect a shielded wire between pin 9 of P3 and pin 24 of JAUX. Add a 1K 1/4 watt resistor between the wire and pin 9 of P3 if problems with squelch develop. (This will prevent the emitter follower on the RF board from oscillating.

(25) Detector Audio

On the same connector as above, P3, connect a shielded wire from pin 10 to pin 25 of JAUX. Connect the shield to pin 14 of JAUX.

Last updated 1/30/95