

MAINTENANCE MANUAL
for
MASTR REMOTE/REPEATER STATIONS
(with and without Repeater-Disable)
(Options 7650 & 7651)

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The General Electric MASTR Progress Line Remote/Repeater Station may be keyed by either an incoming RF signal (repeater operation), or by a control current from the dispatcher's control console (remote operation). Remote operation from the dispatcher's console maintains priority over all repeater operations. The dispatcher's remote control console is connected to the station by telephone line. See Figures 1 and 2 for modifications to the remote and repeater panels.

REMOTE/REPEATER (without repeater-disable) (Option 7650)

Keying the Control Console microphone applies +6 milliamps to the control pair. This energizes transmit relay K701 on the Remote

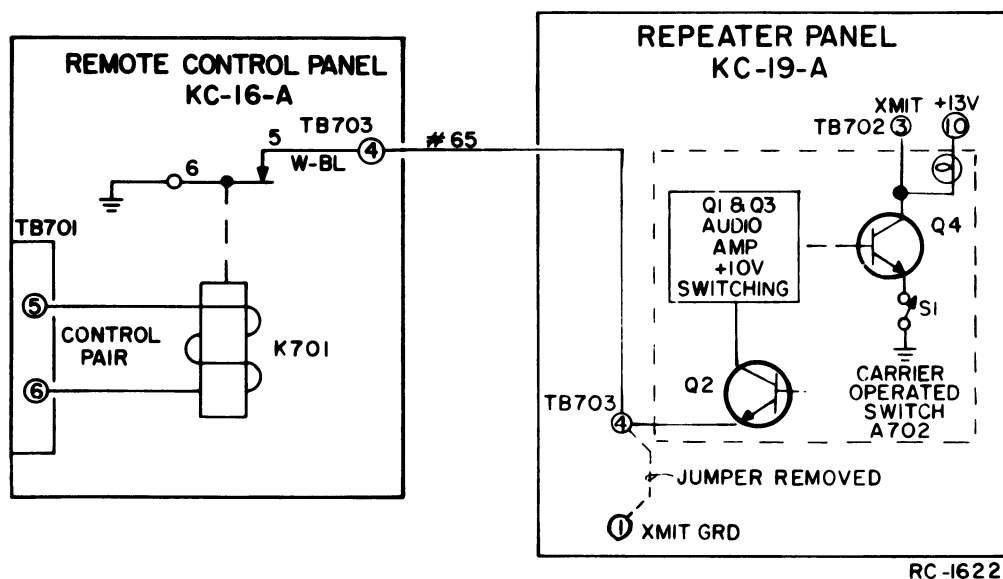


Figure 1 - Modified Remote and Repeater Control Panels (without Repeater-Disable)

Control Panel, which opens the ground return of the Carrier-Operated Switch on the repeater panel (Fig. 1). This disables the repeater keying, and the station will operate as a remote only as long as the microphone at the Control Console is keyed.

REMOTE/REPEATER (with repeater-disable) (Option 7642)

Pushing in the Repeater-Disable pushbutton (marked SUPV) at the Remote Control Console applies -6 milliamps to the control pair. This energizes optional relay K2 on the Remote Control Panel, which opens the ground return to the Carrier-Operated Switch on the repeater panel (Fig. 2). This disables the repeater keying, and the station will operate as a remote as long as the Remote-Disable pushbutton at the Control Console is pushed in.

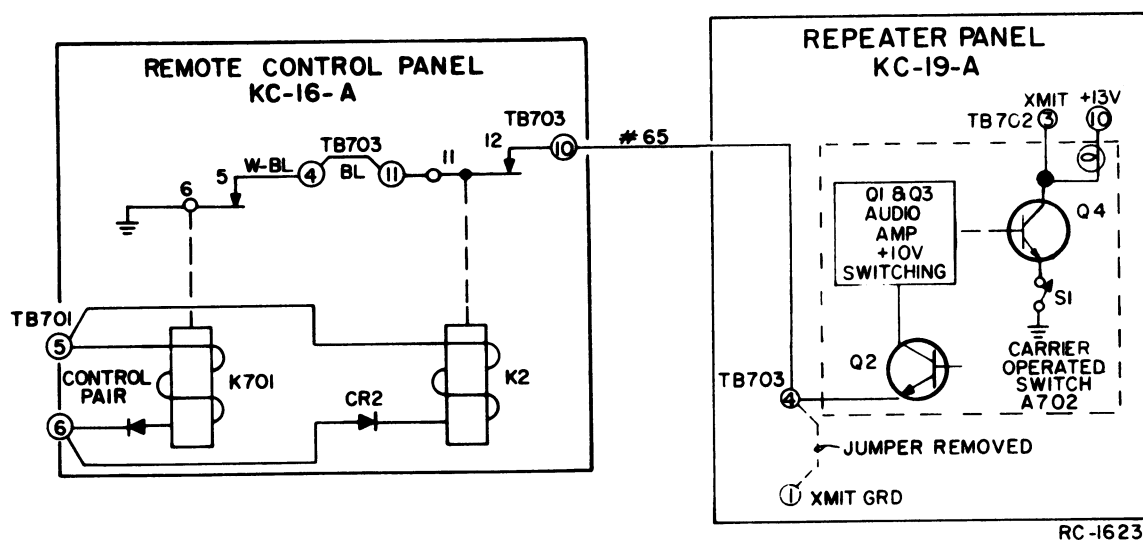


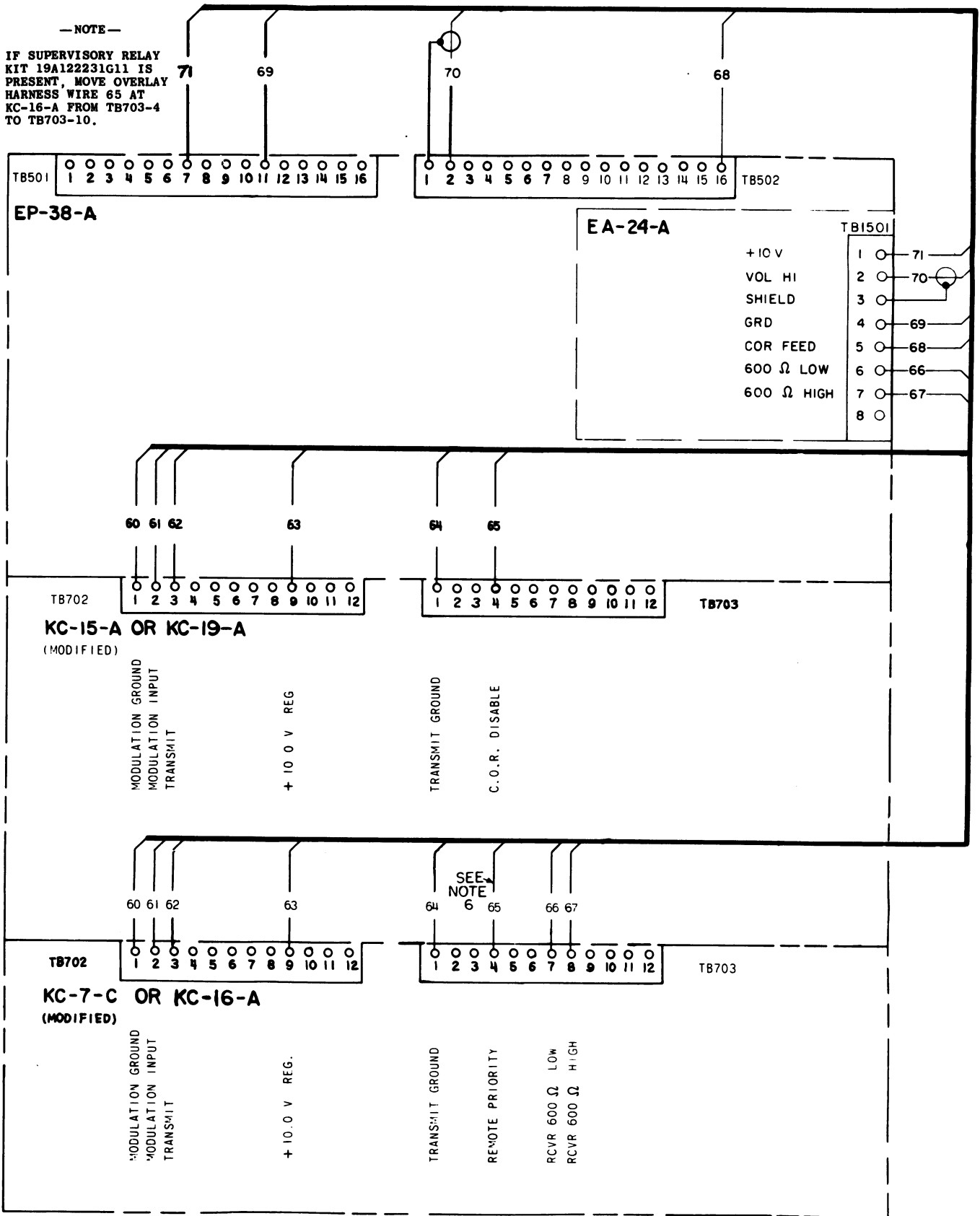
Figure 2 - Modified Remote and Repeater Control Panels (with Repeater-Disable)

INSTALLATION

Follow the installation instructions described in the INSTALLATION MANUAL for Repeater Stations, except for the following: Connect the telephone lines as described for "Remote Only -".

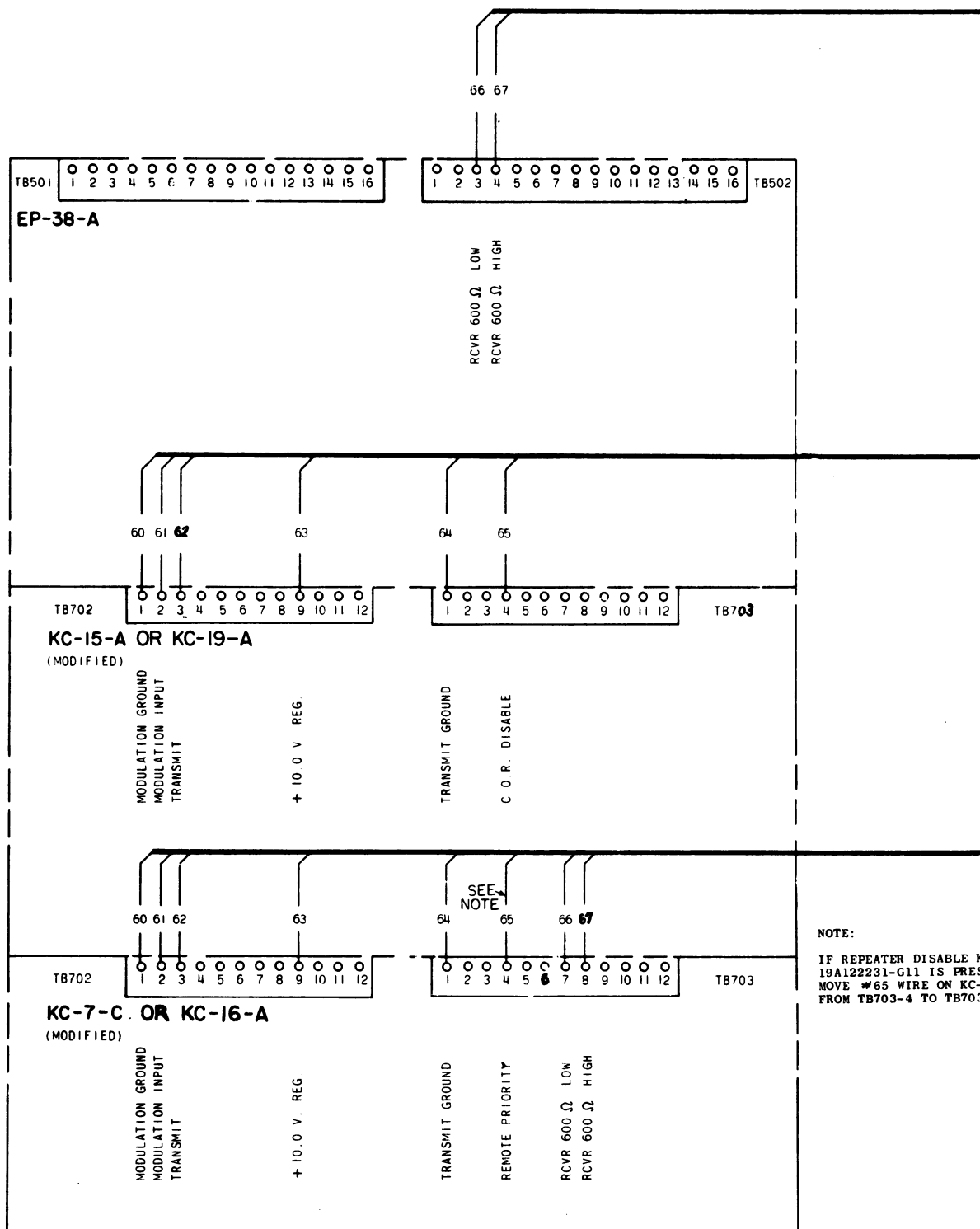
INITIAL ADJUSTMENT

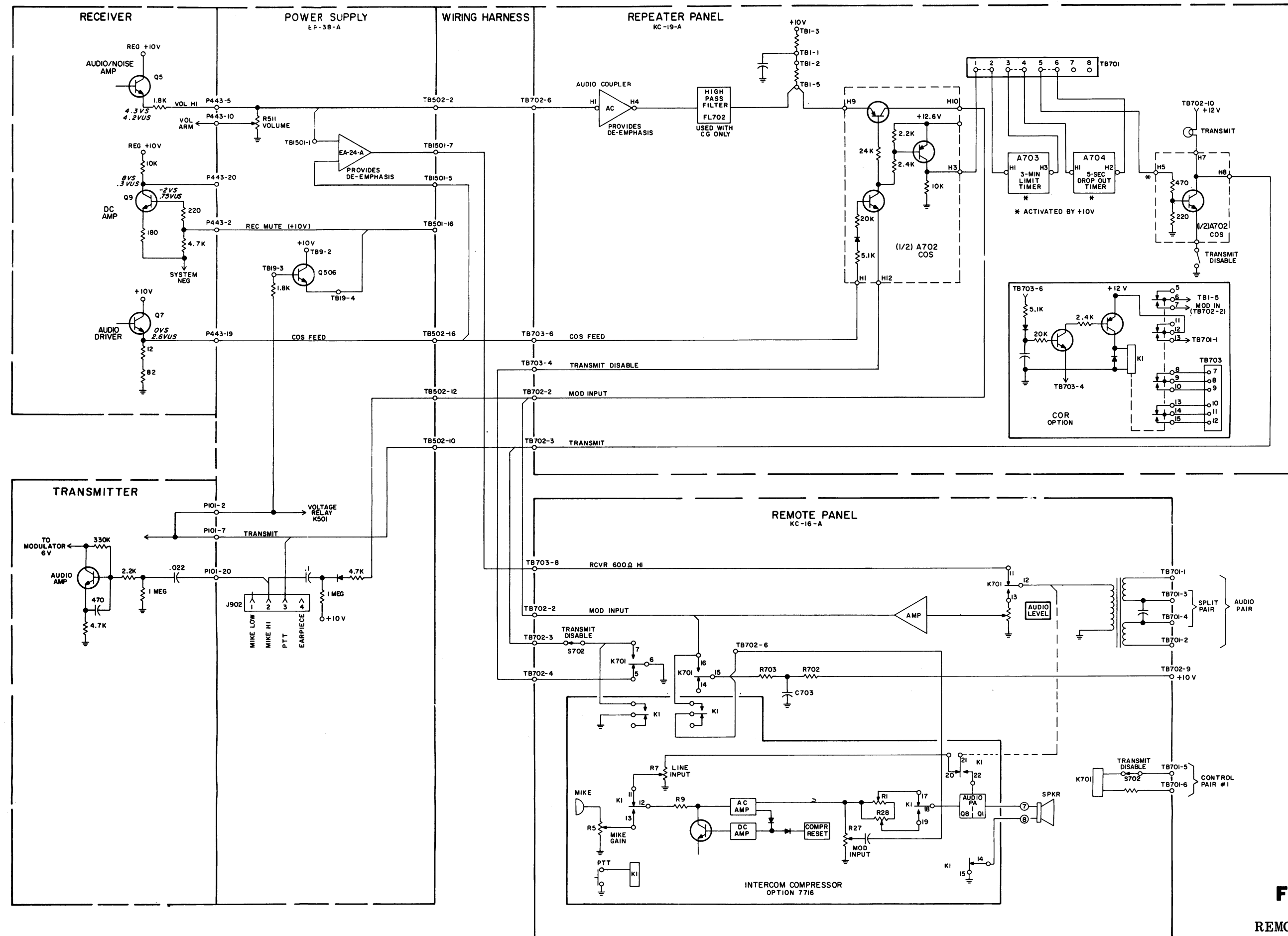
The adjustment procedures contained in the Maintenance Manuals for the Remote Control Panel and The Repeater Panel are applicable for Remote/Repeater stations, except that power to the station is controlled by S701 on the Repeater Panel.



For Power Supply 4EP38A11 & 4EP38A12

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MOBILE RADIO DEPARTMENT
GENERAL ELECTRIC COMPANY
LYNCHBURG, VIRGINIA 24502