

MAINTENANCE MANUAL
for
MASTR REMOTE/REPEATER STATIONS
(with and without Repeater-Disable)
(Options 7641 & 7642)

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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 7641)

When the dispatcher's control console is keyed, relay K703 on the remote panel becomes energized and opens the Carrier Operated Relay ground lead on the repeater panel to disable the repeater transmissions (Figure 1). The station will operate as a remote station as long as the dispatcher's control console remains keyed.

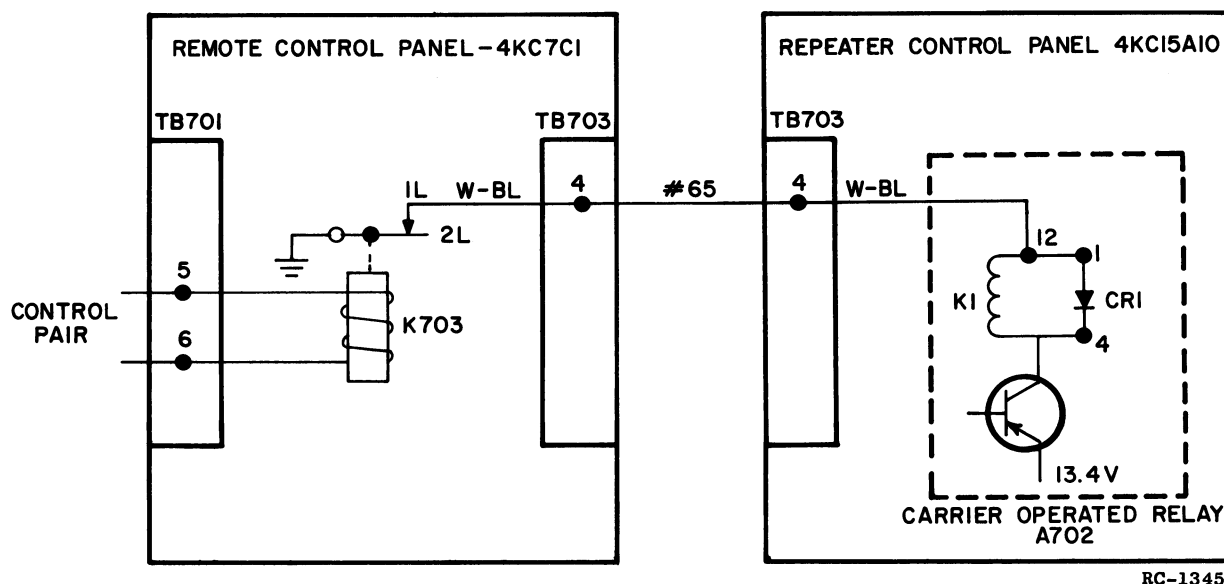


Figure 1 - Modified Remote and Repeater Control Panels (without Repeater-Disable)

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

The dispatcher can disable the repeater function by pressing the REPEATER-DISABLE switch to the DISABLE position. This applies a -6 milliamp control current to the control pair and energizes optional relay K2 on the remote control panel. This opens the Carrier Operated Relay ground lead, disabling the repeater function (Figure 2). The station will operate as a remote station controlled from the dispatcher's console as long as the switch remains in the DISABLE position.

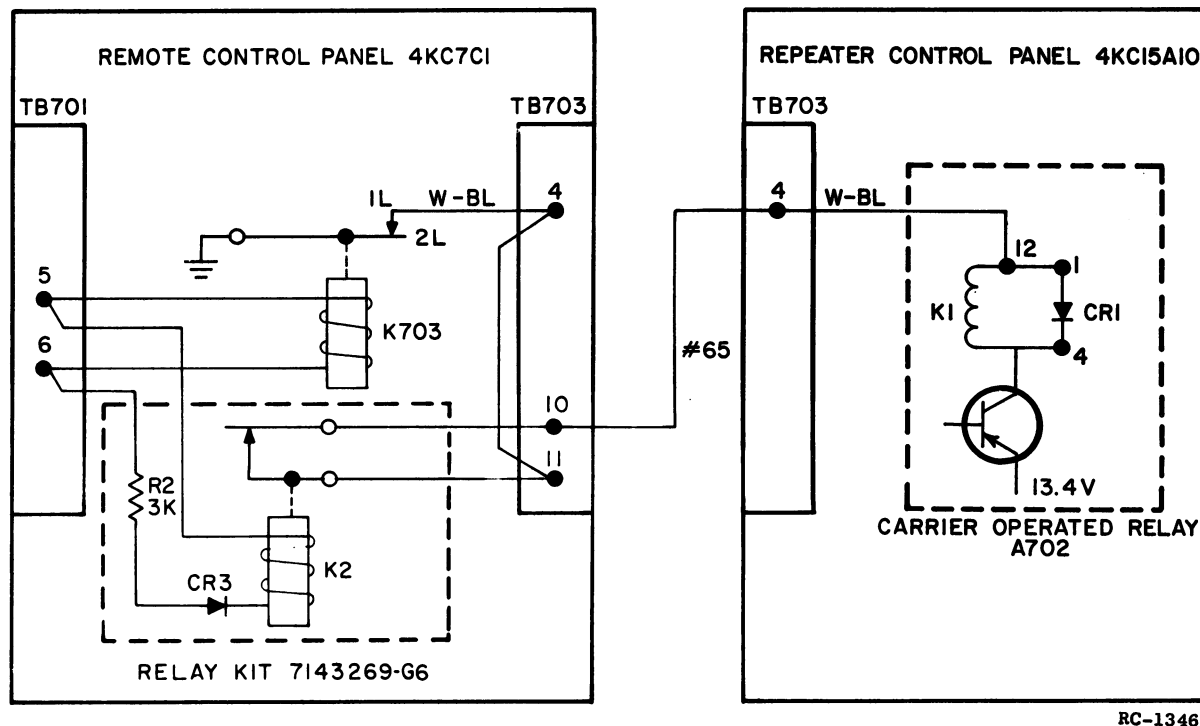


Figure 2 - Modified Remote and Repeater Control Panels (with Repeater-Disable)

INSTALLATION

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

INITIAL ADJUSTMENT

Refer to the Remote (LBI-3569) and Repeater (LBI-3570) Control Panel Maintenance Manuals for initial adjustments, except for the following: Remote Control Panel (4KC7C1) power switch (S702) is not used. Station power is turned ON by Repeater Control Panel (4KC15C10) power switch (S702).

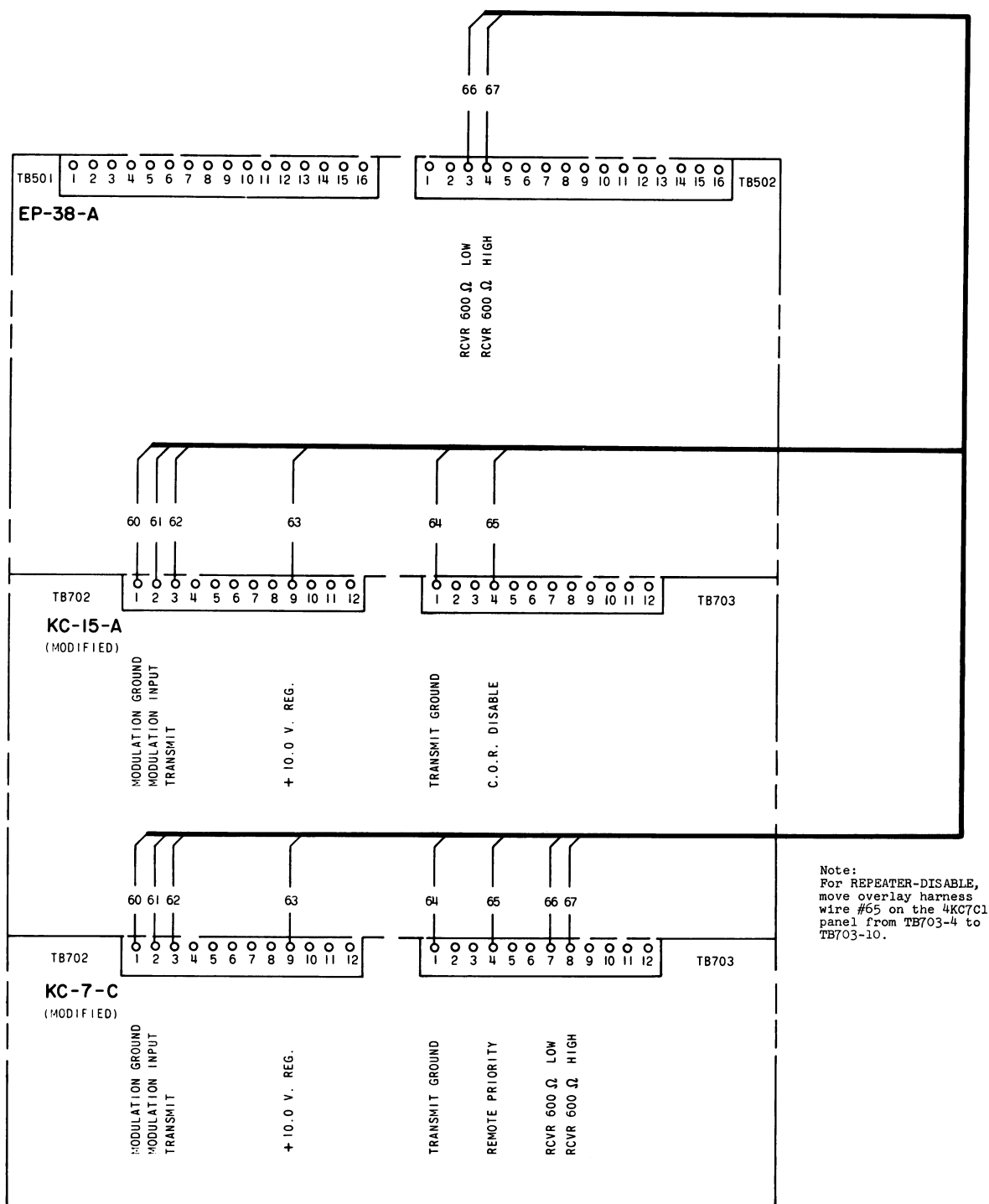


Figure 3 - Interconnection Diagram

