

TERMINATING SENDER LINK CONTROLLER REASSIGNMENT

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1. GENERAL

1.1 This section outlines the transition plan for reassigning or replacing an emergency terminating sender link controller on the miscellaneous frame with a regular controller on a terminating sender link frame.

2. DESCRIPTIVE NOTES

2.1 The functions of a terminating sender link frame may be controlled by the regular controller circuit on its own frame or by either an emergency controller on the miscellaneous frame or by a regular controller on another terminating sender link frame.

2.11 Accordingly, a regular terminating sender link controller connector circuit will be cabled to either an emergency controller on the miscellaneous frame or to another regular terminating sender link frame controller.

2.2 When a crossbar unit has an odd number of terminating sender link frames, the "last" terminating sender link frames' controller connector circuit is cabled to an emergency controller on the miscellaneous frame.

2.21 When the next installation furnishes additional terminating sender link frames, this "last" terminating sender link frame will be disconnected from the emergency controller and reconnected to a regular controller on one of the terminating sender link frames.

2.3 Each start circuit is divided into an A and B portion. The A portion is used with the "home" controller on its own terminating sender link frame and the B portion is used with the "mate" controller of the terminating sender link frame it is mated with, or else, the emergency controller.

2.31 When a make busy plug is inserted in the MB jack of the controller circuit, it causes the controller to test busy and makes the A portion of the start circuit inoperative.

Under this condition, the terminating sender link frame would use the B portion of the start circuit and the "mate" controller of the terminating sender link frame it is mated with, or else, the emergency controller.

3. PRELIMINARY WORK

- 3.1 Erect the new terminating sender link frame.
- 3.2 Run all cable and connect all leads at the new terminating sender link frame end.
- 3.3 Complete all apparatus adjustments on the new terminating sender link frame.
- 3.4 Block non-operated the M, H, MC and HC relays at the new terminating sender link frame.
- 3.5 Connect the following cable leads at the old terminating sender link frame, making busy the A or B portion of the start circuit as indicated.

Old TSL Frame Term.Strip	Between Term.	New TSL Frame Relay	Term.
1,4-59		MC	1,4-59
62,63,65,67-85,87, 90-99		M	62,63,65,67-85 87 90-99

(Make busy the "A" start circuit of the old TSL frame.)

(Remove the busy condition from the "A" start circuit of the old TSL frame.)

3.6 Test the controller circuit on the new TSL frame as far as practical without interfering with the working equipment.

3.7 Do not connect any cable leads to terminal 121-138 and 151-168 on the terminal strip of the old TSL frame, and maintain the block of the controller circuit relays of the new TSL frame until during the transition period.

4. TRANSITION WORK

- 4.01 Make busy the "B" start circuit of the old TSL frame.
- 4.02 Disconnect the following cable leads associated with the emergency controller circuit.

Old TSL Frame Terminals	Between Location	Emergency Controller
1,4-59	MC relay	X
62,63,65,67-85, 87,90-99	M Relay	X
150,154,159-168	Terminal Strip	X

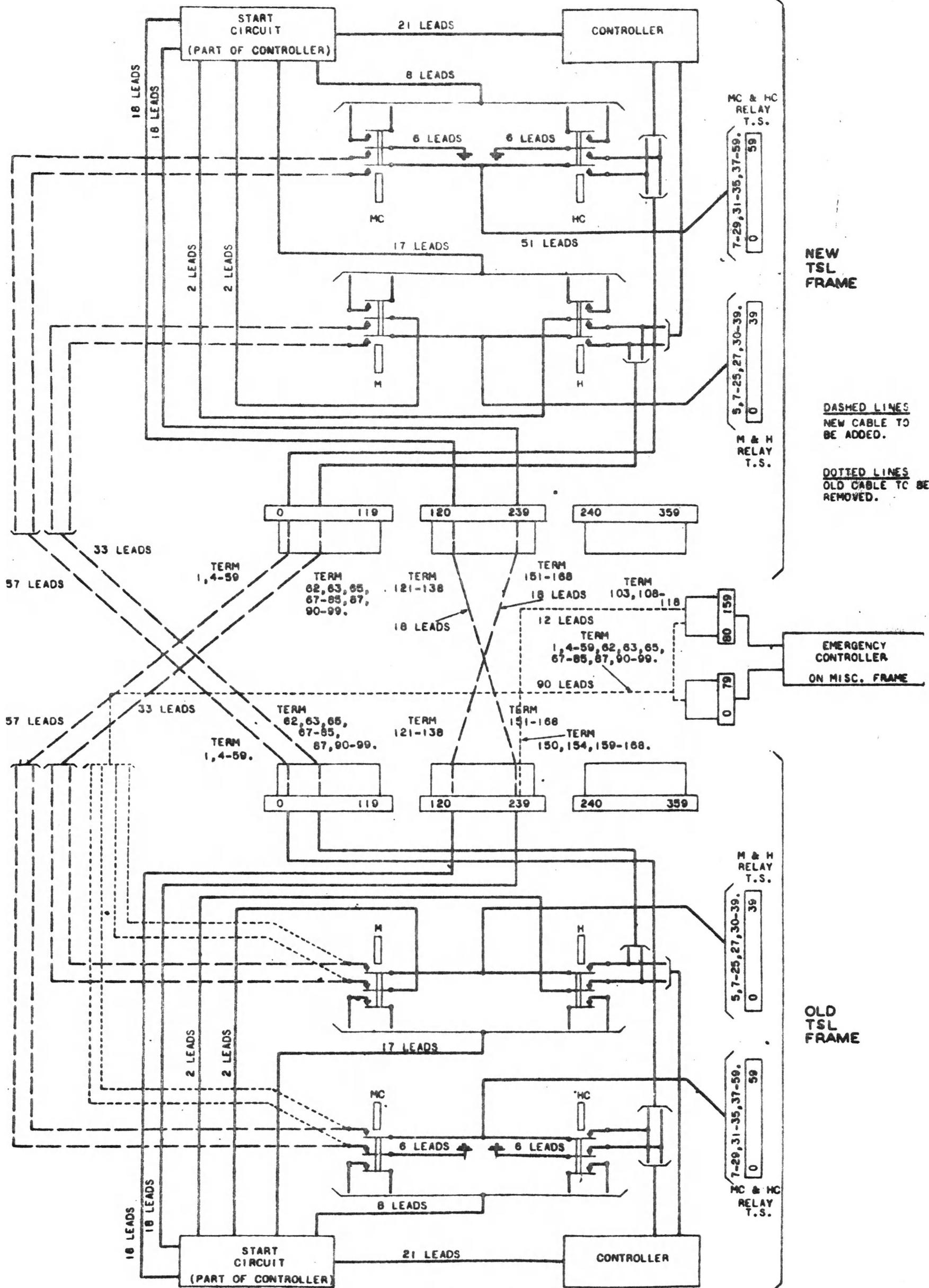


FIG. 1 CABLING ARRANGEMENT OF THE EMERGENCY AND REGULAR TERMINATING SENDER LINK CONTROLLER CIRCUITS (Par. 7.1)

4.03 Connect the following cable leads:

Old TSL Frame		Between	New TSL Frame	
Terminals	Location		Terminals	Location
1,4-59	MC relay		1,4-59	Terminal Strip
62,63,65 67-85	M relay		62,63,65 67-85	Terminal Strip
87,90-99 151-168	Terminal Strip		87,90-99 138-121	Terminal Strip

4.04 Remove the block from the H and HC relays of the controller circuit of the new TSL frame.

4.05 Remove the busy condition from the "B" start circuit of the old TSL frame.

4.06 Test the controller and the "A" portion of the start circuit of the new TSL frame with the working equipment of the old TSL frame.

4.07 Let the controller and the "A" portion of the start circuit of the new TSL frame serve the traffic requirements of the old TSL frame and make busy the "A" portion of the start circuit of the old TSL frame.

4.08 Connect the following cable leads:

Old TSL Frame		Between	New TSL Frame	
Terminals	Location		Terminals	Location
121-138	Terminal Strip		168-151	Terminal Strip

4.09 Disconnect the "W" wiring strap shown on SD-25459-017, Figure 55 from between the following terminals on the old TSL frame:

Between Terminals	Strip	Terminals
121 and 122		
125 and 126		
161 and 162		
165 and 166		

4.10 Remove the block from the M and MC relays of the controller circuit of the new TSL frame.

4.11 Remove the busy condition from the "A" start circuit of the old TSL frame.

4.12 Test the controller and the "B" portion of the start circuit of the new TSL frame with the working equipment of the old TSL frame.

5. CLEAN-UP WORK

5.1 Clean-up would involve such items as follows:

- (a) disconnection of dead cable of emergency controller.
- (b) disposing of spare leads.
- (c) general inspection for verification items.

6. CABLING ARRANGEMENT OF THE EMERGENCY AND REGULAR TERMINATING SENDER LINK CONTROLLER CIRCUITS

6.1 Figure 1 illustrates the composite cabling arrangement of an emergency controller, shown with dotted lines and a regular controller of a new TSL frame shown with dashed lines, with an old TSL frame.

6.2 The emergency controller circuit cable has 90 leads that close through the M and MC relays of the controller connector circuit and 12 leads that are connected through to the start circuit, of the old TSL frame.

6.3 The regular controller circuit cable of the new TSL frame has provision for the following leads:

New TSL Frame		Between	Old TSL Frame	
Terminals	Location		Terminals	Location
1,4-59	Terminal Strip		1,4-59	MC relay
62,63,65 67-85,87 90-99	Terminal Strip		62,63,65 67-85, 87,90-99	M relay
62,63,65 67-85,87 90-99	M relay		62,63,65 67-85,87 90-99	Terminal Strip
1,4-59	MC relay		1,4-59	Terminal Strip
121-138	Terminal Strip		168-151	Terminal Strip
151-168	Terminal Strip		138-121	Terminal Strip

→ Arrowed lines indicate new or changed information.

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