

INSTRUCTIONS FOR INSTALLING THE 195007 MODIFICATION
KIT TO ADD A WINDER-FULL ALARM TO THE MODEL 28 TAPE
HANDLING STAND LTHS200** AND LTHS210**

The chart below pertains to Bell System only

Teletype Code	Teletype & Bell Reference	Bell Code
LTHS200** LTHS210**	Tape Handling Stand	28A**

1. GENERAL

a. The 195007 Modification Kit provides a switch for an alarm that indicates a winder full condition.

b. The 195007 Modification Kit is capable of being mounted in Model 28 Reperforator Transmitter Sets that are equipped with an LRXB6, LPR16, and LTHS200** or LTHS210**. For Reperforator Transmitter Sets equipped with an LPR3 mounted on an LRXB1 through 5 and 11, or an LPR25 mounted on an LRXB10 or 12, the alarm must be wired from the LTHS Connector.

c. The 195007 Modification Kit provides an alarm indication when approximately 1000 feet of chadless tape has been taken up.

d. For information regarding the 172861 Modification Kit to provide a tape bin full alarm, see Teletype Specification 50106S.

e. The 195007 Modification Kit consists of:

2	2191	Washer, Lock	1	151685	Screw
2	3598	Nut	1	151693	Screw
1	3599	Nut	2	153538	Screw
8ft.	31912RM	Wire, Electrical	1	155753	Tubing, Vinyl
8ft.	31915RM	Wire, Electrical	1	159212	Shield
1	110743	Washer, Lock	1	195008	Cable Assembly, Alarm
1	121244	Clamp, Cable	1	195059	Arm, Winder Assembly
2	121246	Clamp, Cable	1	199824	Bracket, Stop

f. For parts ordering information refer to Teletype Parts Bulletin 1168B.

2. INSTALLATION (Figure 1)

a. Remove the intermediate tape storage bin from the LTHS.

b. Remove the 159212 Shield by removing the 151657 Screw and 2191 Lock Washer, and one 151659 Screw, 2191 Lock Washer, 7002 Flat Washer, 2191 Lock Washer and 3598 Nut. Discard the Screws.

c. Remove the 158969 Bracket Assembly from the 158985 Tape Arm Assembly by removing and retaining the 3598 Nut and 2191 Lock Washer.

d. Remove the 119652 Retainer Ring from the 158985 Tape Arm Assembly and remove the assembly from the 159214 Support Bracket.

e. Slide the 155753 Tubing over the white-yellow end of the 195008 Cable and solder to the #2 Terminal of the four prong connector mounted on the LTHS Base. Slide the 155753 Tubing over the white-red lead and solder to the #4 Terminal. Slide the 155753 Tubing over the soldered connection.

f. Remove two 151630 Screws which secure the low tape alarm contact mounting bracket to the tape winder and replace them with two 153538 Screws.

g. Assemble the 163481 Contact Switch Bracket over the protruding 153538 Screws with two 2191 Lock Washers and two 3598 Nuts.

h. Remove the upper 151631 Screw, 2191 Lock Washer, and 70314 Flat Washer from the 159214 Support Bracket. Discard the 70314 Flat Washer. Mount the 199824 Stop Bracket with the 151631 Screw and 2191 Lock Washer so that the right angle projection protrudes to the left when viewed from the rear of the unit.

i. Position the 163482 Bail inside the 159214 Support Bracket so that the 163486 Arm extends inside the tape winder reel under the 199824 Stop Bracket and the two pivot holes in the bail line up with cross holes in the support bracket. Insert the 158985 Tape Arm through the holes of the support bracket and 163482 Bail and insert one 119652 Retaining Ring on the 158985 Tape Arm. Adjust the 199824 Stop Bracket so that the 163486 Arm does not go beyond the radius of the tape winder reel as gauged by eye.

j. Re-Assembly the 158969 Bracket Assembly to the tape arm.

k. Readjust tight tape alarms according to standard practice.

l. Make the following adjustments for the winder full alarm as shown in Teletype Bulletin 248B:

FULL TAKE UP REEL SWITCH
FULL TAKE UP REEL ALARM

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m. Re-assemble the 159212 Shield over the low tape alarm contact with a 151693 Screw and 2191 Lockwasher through the right hand hole. Insert 151685 Screw through the left hand hole.

n. Assemble the 159212 Shield over the winder full alarm contact and over the protruding ends of the screws with one Lockwasher 110743 and Nut 3599 on the 151685 Screw.

o. Attach the cables using 151693 Screw with one 121244 Cable Clamp, one Flat Washer 7002, Lockwasher 2191, and 3598 Nut.

p. Secure the 195008 Cable Assembly together with the low tape alarm cable assembly and the capacitor cable assembly to the frame by replacing the 121244 Cable Clamps with 121246 Cable Clamps.

q. Refer to Figure 2. Units using LPR16 and LRXB6 have the 163890 Cable which provides wiring from the alarm connector mounted on the LTHS Base to the Terminal Board (AB) in the LBAC201. Units using LPR3 and LRXB1 through 5 and 11 or LPR25 and LRXB10 and 12 must be wired from the alarm connector to the connectors on the LRXB and LBAC. Extra wire has been provided for wiring the alarm by using vacant terminals available on the AD and CD Connectors and the LBAC Terminal Board (AB). The winder full lamp is wired to the AB Terminal Board.

3. ADJUSTMENTS

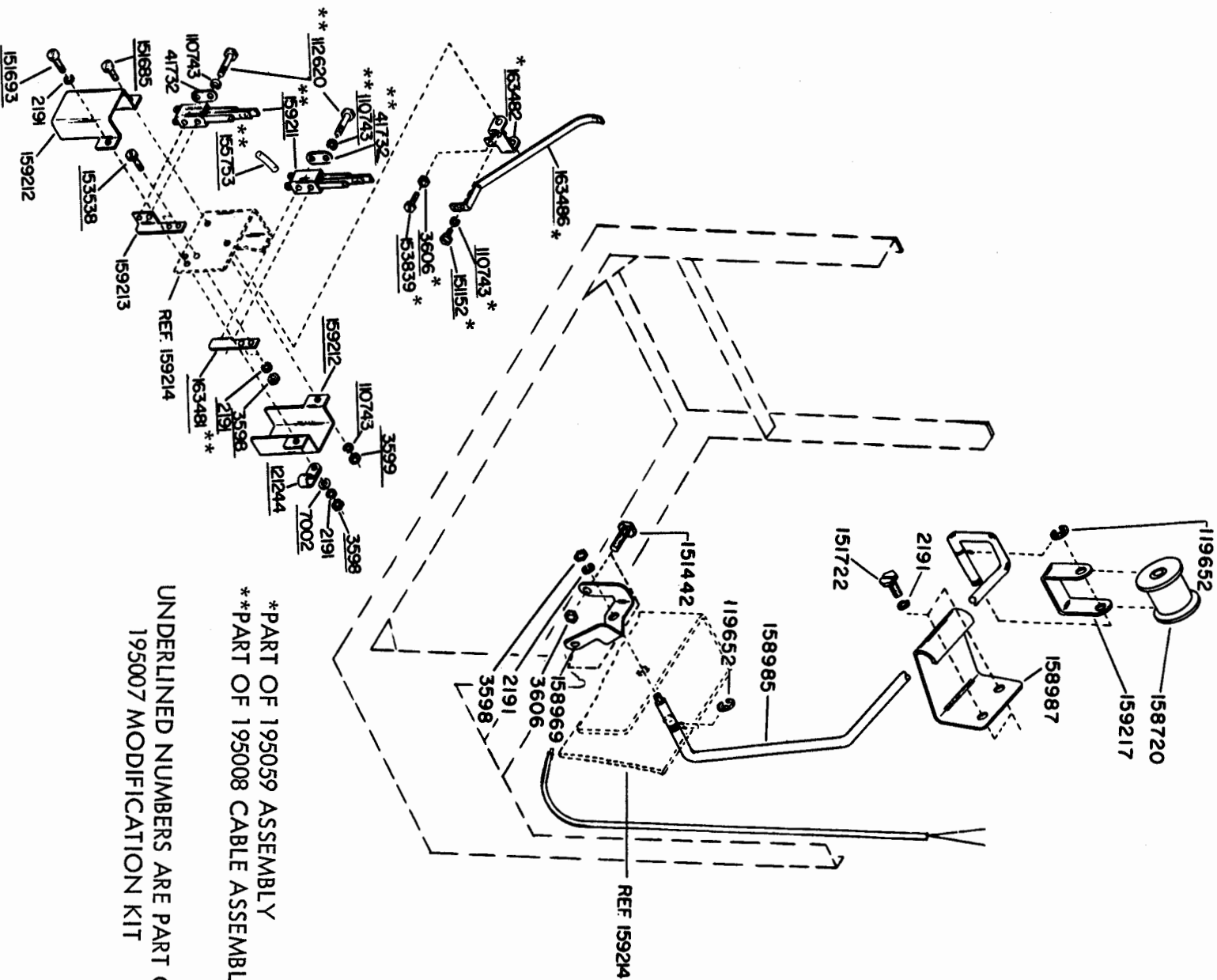
a. Make the adjustments as given above in step 2.1.

b. For adjustments of related equipment refer to Teletype Bulletin 248B.

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*PART OF 195059 ASSEMBLY

**PART OF 195008 CABLE ASSEMBLY

UNDERLINED NUMBERS ARE PART OF
195007 MODIFICATION KIT

FIGURE 1

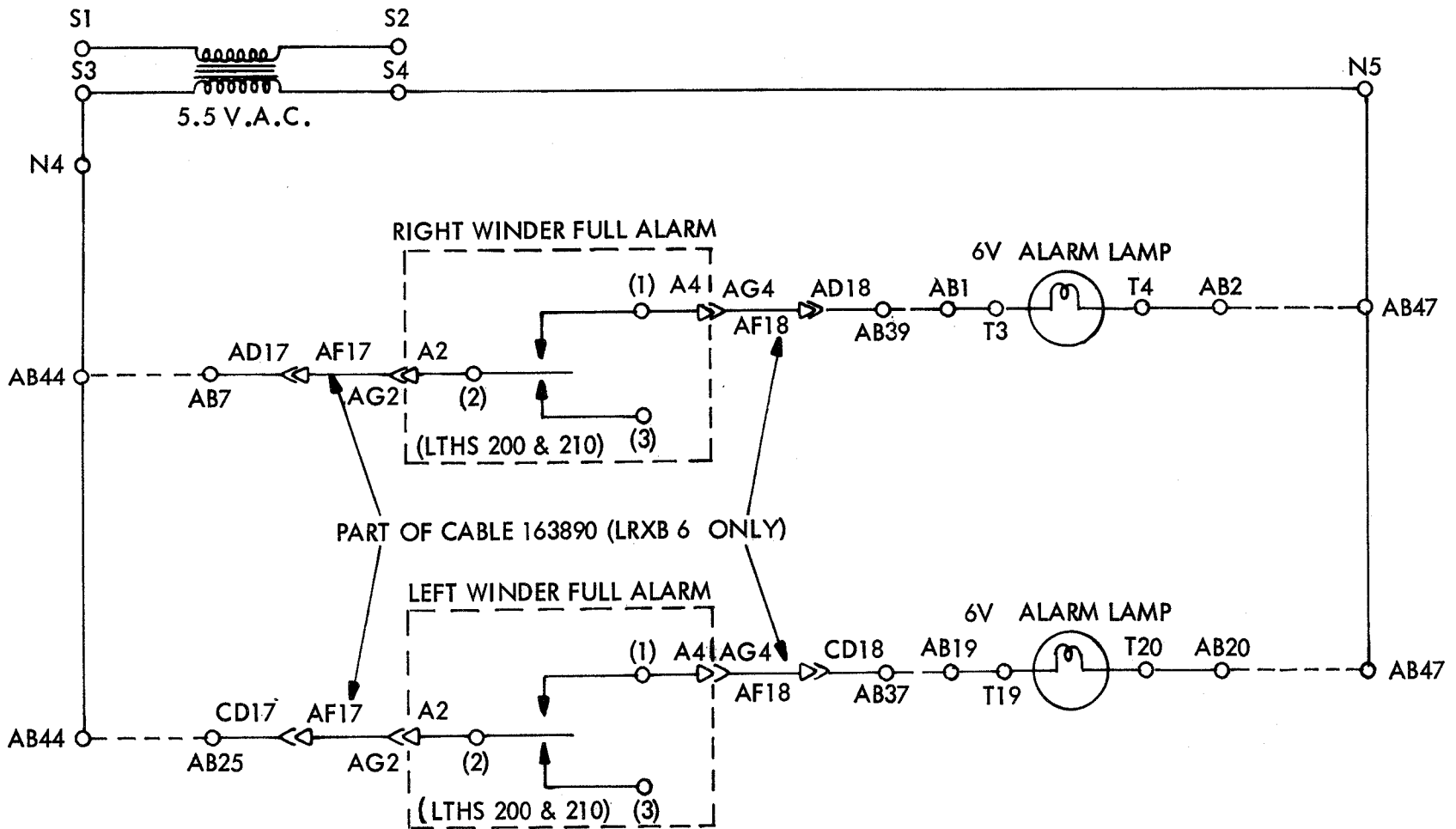


FIGURE 2.

NEW WIRING ---
 TERMINALS AD17, AF17, CD17, AF18, AD18, & CD18
 CANNOT BE USED WITH LPR3 & LRXB1 TO 5 & 11 OR
 LPR25 & LRXB10 - 12. USE VACANT TERMINALS ON
 LRXB CONNECTORS (AD & CD) AND LBAC TERMINAL
 BOARD (AB).

REFER TO 3691WD, 3692WD, & 3281WD

