NYT-CSS FORM # 4A

[redacted] PT5181

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LEGEND

EXISTING WIRE - - - - - - -
ADDED WIRE ______
DISCONNECT - - - - - -⊃ o
RETERMINATE - - - -•- -⊃ o

NOTES:

THIS SKETCH MODIFIES TELETYPE MACHINE ASSEMBLED PER SD 1H068-01

ISS. COL.

MODIFICATION INSTRUCTIONS

CENTRAL OFFICE MACHINE (FIG 1)

1) INSTALL LINE RELAY AS SHOWN IN FIGS 4+5. IF 314A RELAY IS USED REMOVE FILTER FROM LINE RELAY MTG

2) REMOVE STRAPS BETWEEN B8+B9 AND B1+B2 AND WIRE IN TP93073 LINE RESISTORS AS SHOWN.

3) LSA RELAY
TURN BACK KL1 AND KL2 LEADS AT TERMS C34 AND C37. RETERMINATE AT AF80 AND AF77 AS SHOWN.
CONNECT WINDING TO TERMS AF 77 AND AF78 AS SHOWN IN FIG 1
CONN LEAD FROM 2B CONTACT TO TERM C10
CONN LEAD FROM 2 CONTACT TO TERM C14

MOVE S WIRE FROM TERM C13 TO TERM C10
CONN LEAD FROM 1B CONTACT TO TERM C17
CONN LEAD FROM 1 CONTACT TO TERM C18

CONN LEAD FROM 3M CONTACT TO TERM AE99
CONN LEAD FROM 3 CONTACT TO TP93073 RESISTOR
CONN LEAD FROM OTHER SIDE OF RESISTOR TO TERM C21

PRL RELAY
CONN WINDING TO TERMS AF 79 AND AF 78 AS SHOWN
REMOVE PIR1 LEAD FROM TERM AF71 AND INSTALL ON AF79
REMOVE PIR2 LEAD FROM TERM C18 AND INSTALL ON AF 80
CONN LEAD FROM 12M CONTACT TO TERM AF71
CONN LEAD FROM 12 CONTACT TO TERM C18
CONN LEAD FROM 10M CONTACT TO TERM AE98
CONN LEAD FROM 10 CONTACT TO TP93073 RESISTOR
CONN LEAD FROM OTHER SIDE OF RESISTOR TO TERM C21

PIR RELAY
CONN WINDING OF RELAY TO TERM AE 100 AND TP 93073 RESISTOR AS SHOWN. CONN OTHR SIDE OF RESISTOR TO TERM C21
CONN LEAD FROM 1M CONTACT TO TERM AF61
CONN LEAD FROM 1 CONTACT TO TERM AF62

4) CONN LEAD FROM TERM C22 TO TERM AE97
CONN STRAP FROM TERM C20 TO C21

5) CONN TIP OF LINE TO C11 AND RING TO C10. REMOVE STRAP BETWEEN TERMS C10 + C11

6) CONN CONTROL LEADS TO TERMS AE97, 98, 99, + 100 AS SHOWN

REMOTE MACHINE (FIG 3)

1) INSTALL LINE RELAY AS SHOWN IN FIGS 4+5. IF 314A RELAY IS USED REMOVE FILTER FROM LINE RELAY MTG.

2) LSA RELAY
CONNECT WINDING TO TERMS AE97 AND AE99 AS SHOWN IN FIG 3
CONN LEAD FROM 2B CONTACT TO TERM C10
CONN LEAD FROM 2 CONTACT TO TERM C14

MOVE S WIRE FROM TERM C13 TO TERM C10
CONN LEAD FROM 1B CONTACT TO TERM C17
CONN LEAD FROM 1 CONTACT TO TERM C18

PRL RELAY
CONN WINDING LEADS TO TERMS AE 98 AND AE 97 AS SHOWN IN FIG 3
CONN LEAD FROM 12M CONTACT TO TERM AF71
CONN LEAD FROM 12 CONTACT TO TERM C18

3) REMOVE LEAD AT TERM C22 COMING FROM C15 AND INSTALL AT C7
REMOVE STRAP BETWEEN C6 AND C7
INSTALL STRAP BETWEEN C20 + C21
INSTALL WIRE FROM TERM AF61 TO TERM AE97
INSTALL WIRE FROM TERM AF62 TO TERM AE100

4) CONN TIP OF LINE TO C11 AND RING TO C10. REMOVE STRAP BETWEEN C10 + C11

5) CONN CONTROL LEADS TO TERMS AE 97, 98, 99, +100 AS SHOWN

INSTALLATION

ADJUST LINE CURRENT FOR 20 MA OPERATION
ADJUST CURRENT IN PIR, LSA AND PRL LEADS BY MEANS OF INDIVIDUAL TP 93073 RESISTORS FOR APPROX 10 MA

BRIEF DESCRIPTION:

ISS. NO 1

REMOTE 28KSR TO OPERATE WITH #101 ESS MAINTENANCE TELETYPE

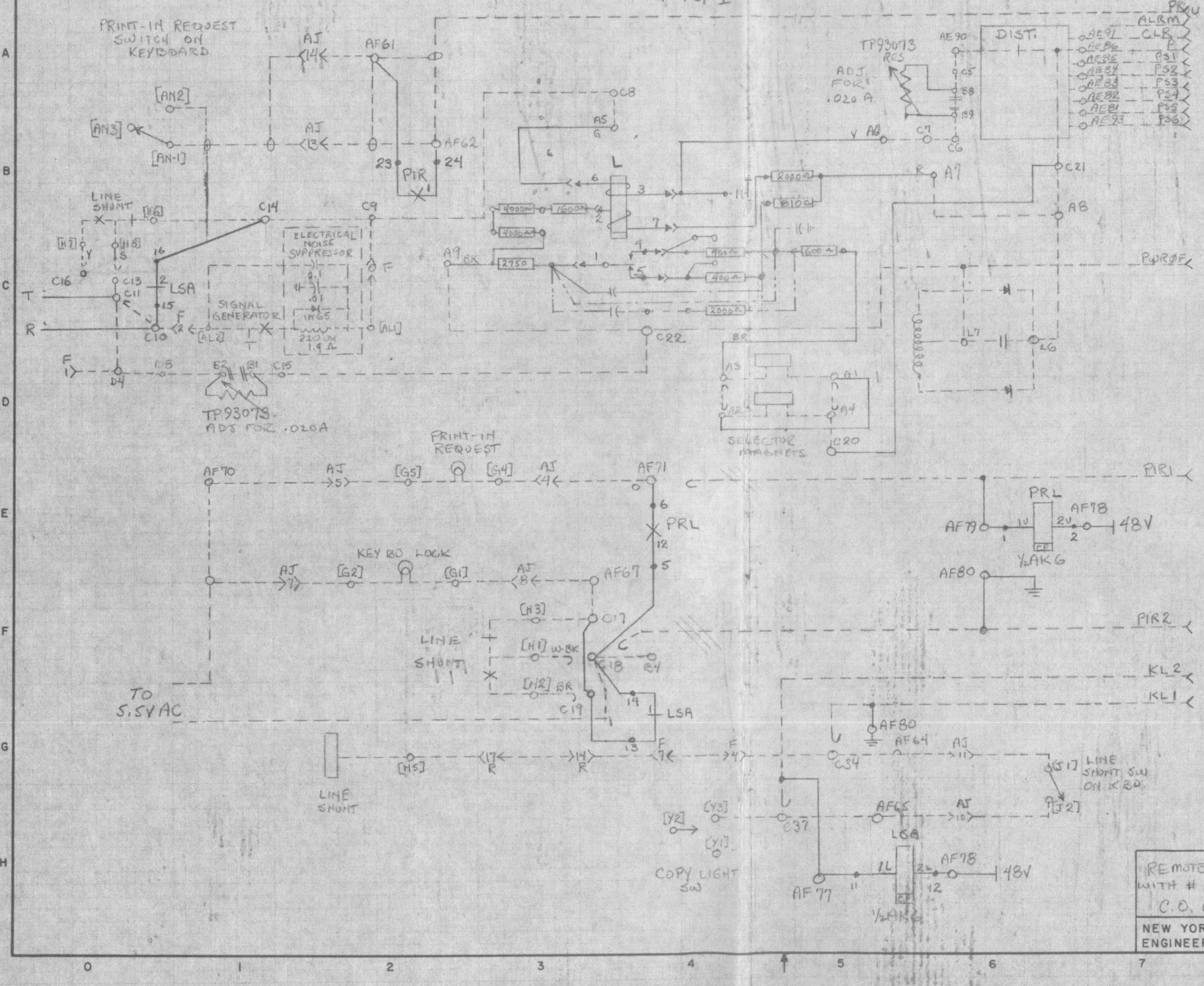
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ENG	CFH
APP	JNK
DATE	1/10/67

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FIG 1



REMOTE 28KSR TO OPERATE WITH # 101 ESS MAINT TTY C.O. MACHINE

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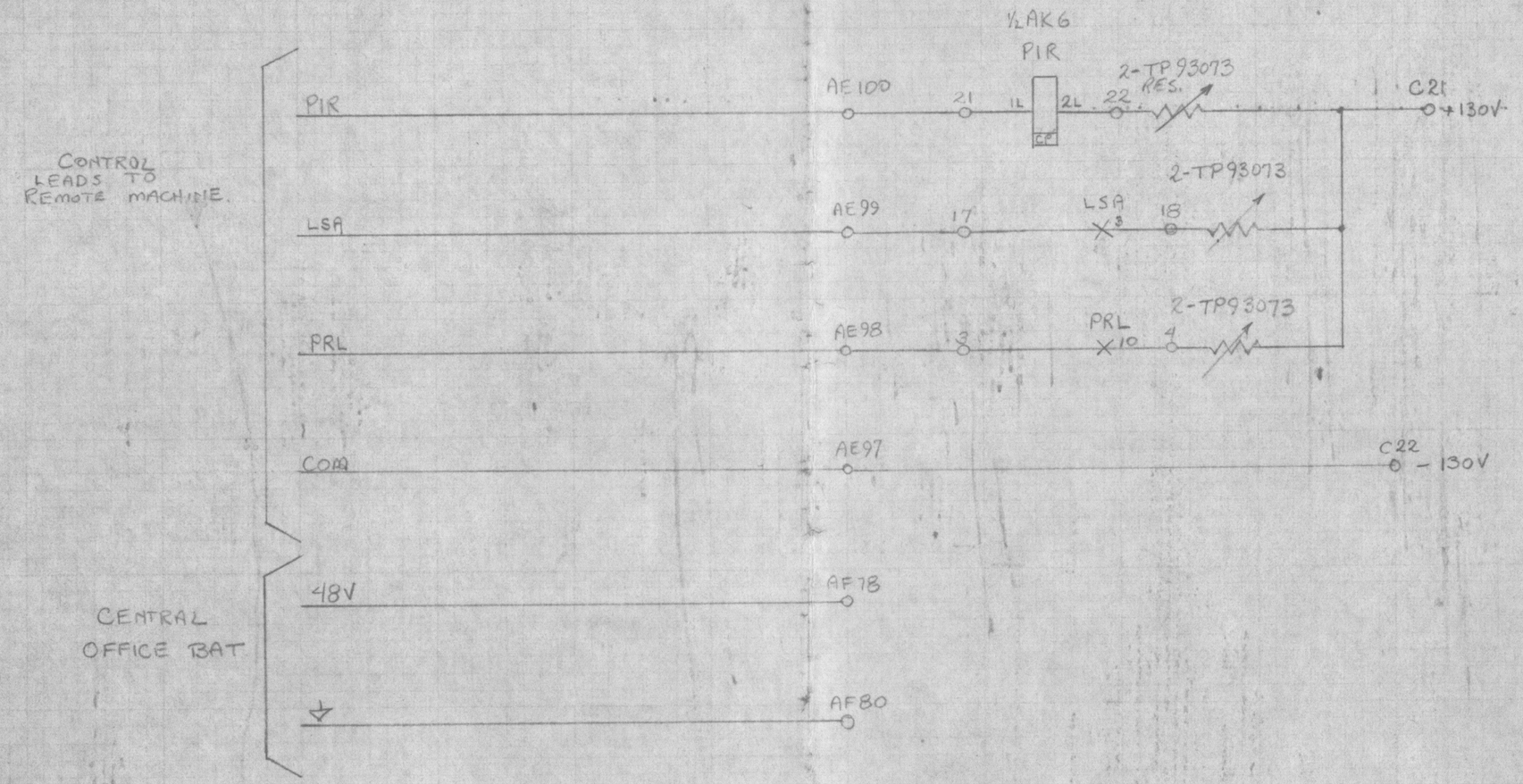
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FIG 2



ISS. Nº 1

REMOTE 28 KSR TO OPERATE WITH #101 ESS MAINT TTY C.O MACHINE

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FIG 3

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PRINT IN REQUEST SWITCH ON KEYBOARD

AJ 14 AF61 AF62 AJ 13

[AN2] [AN3] [AN1]

PRL

AE97 COM

AE100 PIR

TO MAIN STATION

AE90 DIST

C5 R8 B9

AE91 AE86 AE85 AE84 AE83 AE82 AE81 AE93

C6 C7 C21 A8

PC8 A5 G

A6 Y

A7 R

2000Ω 1210Ω 4000Ω 1600Ω 4000Ω 2750Ω 1200Ω 600Ω 2000Ω

A9 BK

C22

B15 B1 B2 B4

SELECTOR MAGNETS

1020

PWR ØF

LINE SHUNT [H6] C14 C9

[H7] [H8] C16 C15 C11 C10 16 12 15 LSA

ELECTRICAL NOISE SUPPRESSOR 0.1 .01 .01 WNO 220VH 1.4Ω F

SIGNAL GENERATOR [AL2] [AL1]

F 2 F 1 D4 D8 B2 B1 C15

T R TO LINE

L7 E6

PRL 1V 2V 1 2 ½AK6

AE98 PRL

PRINT IN REQUEST

AF70 AJ 5 [G5] [G4] AJ 4 AF71 PRL 6 12 5

PIR1

KEY BD LOCK

AJ 7 [G2] [G1] AJ 8 AF67

LSA 1L 2L 11 12 EP ½AK-6

AE99 LSA

[H3] C17

LINE SHUNT [H1] W-BK C18 B4

[H2] BR C19

TO 5.5V AC

13 LSA 14

KL2

KL1

COPY LIGHT SW. [Y3] [Y2] [Y1] C37 AF65 AJ 10 [G1] LINE SHUNT SW ON KYBD

AF64 AJ 11 [G2] C34

[H5] 17 R 14 R F 7 F 4

LINE SHUNT

REMOTE 28KSR TO OPERATE WITH # 101 ESS MAINT TTY

REMOTE MACHINE

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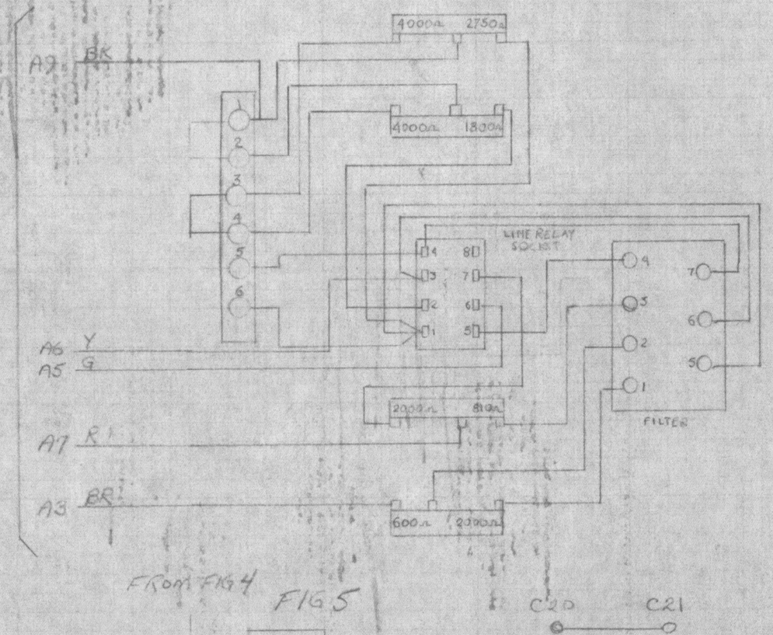
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FIG 4

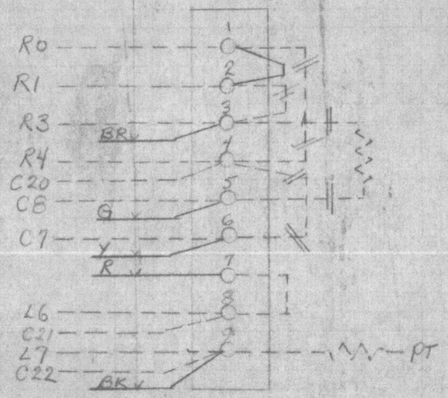
152623 LINE RELAY MOUNTING ASSEMBLY



TO FIG 5

FROM FIG 4

FIG 5



SEL MAG TERM BLOCK "A"

1 ISS. Nº

REMOTE 28KSR TO OPERATE WITH # 101 ESS MAINT TTY

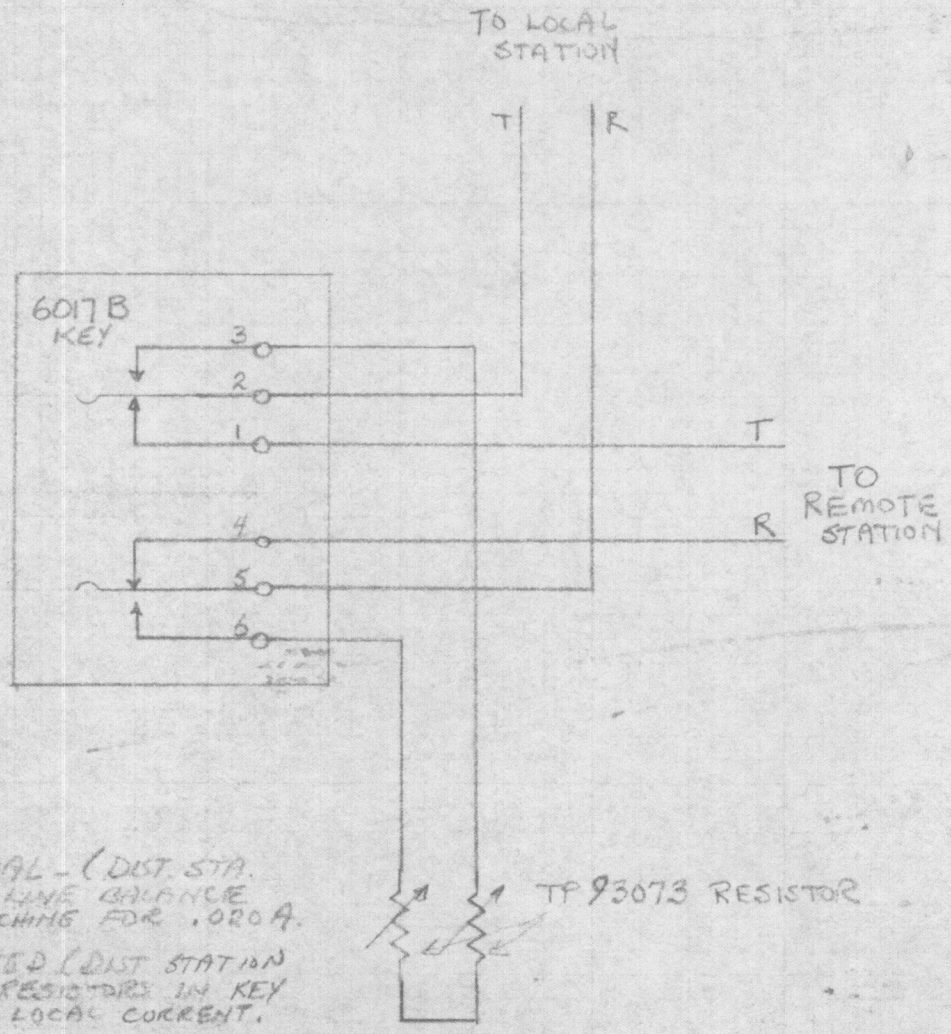
LINE RELAY ARRGT

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INSTALLATION -

1) WITH KEY NORMAL - (DIST. STA. ON LINE) ADJ. LINE BALANCE RESISTORS IN MACHINE FOR .020A.

2) WITH KEY OPERATED (DIST STATION OFF LINE) ADD RESISTORS IN KEY CKT FOR .020A LOCAL CURRENT.

SHEET 6 of 6

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ENGINEER OF DATA SERVICES & TRANSMISSION				
REMOTE 28 KSR TO OPERATE WITH 101 ESS MAINTENANCE TELETYPE				

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