

28 TYPING REPERFORATOR BASES
(KEYBOARD SEND-RECEIVE AND RECEIVE ONLY)

WIRING DIAGRAM

1. GENERAL

1.01 This section shows the wiring of the LRB3 (Bell 28A), LMRB201BZ (Bell 28B), LRB5 (Bell 28C), LRB21 (Bell 28D), LTRK1ARP (Bell 28E), and LRB5D (Bell 28F) typing reperforator bases.

1.02 The section is reissued to include most recent engineering information, to update format, to add the 28F typing reperforator base,

and to delete the 28A and 28B typing reperforator units.

1.03 The wiring diagrams, which are attached as a part of this publication, are listed in the wiring diagram index. The index also lists the subject matter and current issue of each diagram. These diagrams show the origin and termination of the various leads as well as the color coding of the leads for each of the components. Notes on the wiring diagrams explain symbols used and point out special conditions.

2. WIRING DIAGRAMS (ATTACHMENTS)

TITLE	DIAGRAM NUMBER	SHEET NO.	WD ISSUE
Reperforator Base LRB3 (Bell 28A)	3319WD	1	8
Reperforator Base LMRB 201B2 (Bell 28B)	3543WD	1	8
Typing Reperforator Keyboard LTRK1 ARP (Bell 28E)	3574WD	CTRL	4
		1	12
		2	13
Reperforator Base LRB5 (Bell 28C)	3590WD	1	4
Reperforator Base LRB21 (Bell 28D)	3736WD	1	8
Reperforator Base LRB50 (Bell 28F)	7136WD	1	4

NOTES

1. WIRING LEGEND

AB-2-W DISTANT TERMINATING AREA
 DISTANT TERMINATING DESIGNATION
 WIRE COLOR CODE

2. COLOR CODE

BK - BLACK
 BR - BROWN
 R - RED
 O - ORANGE
 Y - YELLOW
 G - GREEN
 BL - BLUE
 S - SLATE
 W - WHITE
 P - PURPLE

3. ASSOCIATED CABLE ASSEMBLIES

CABLE ASSEMBLY, CONTROL-159928
 CABLE ASSEMBLY - 156972
 CABLE ASSEMBLY, LAMP HOLDER - 159592

4. 16 POINT CONNECTOR VIEWED FROM SOLDER END.

5. TERMINAL DESIGNATIONS ENCLOSED IN PARENTHESIS ARE NOT MARKED ON COMPONENTS.

6. FOR SCHEMATIC WIRING DIAGRAM SEE 3343WD

7. WIRING STATUS:

RECTANGULAR BOX INDICATES HISTORY OF WIRING CHANGES.

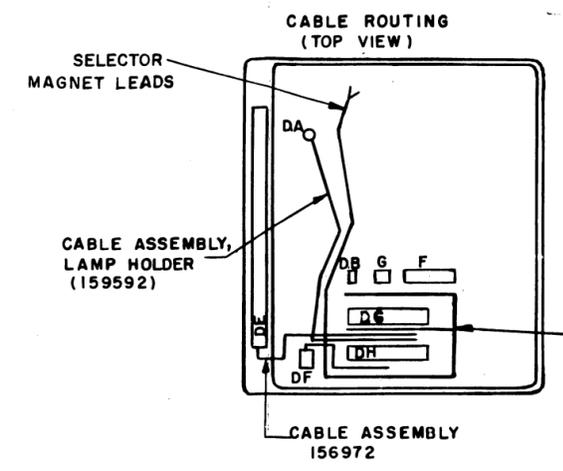
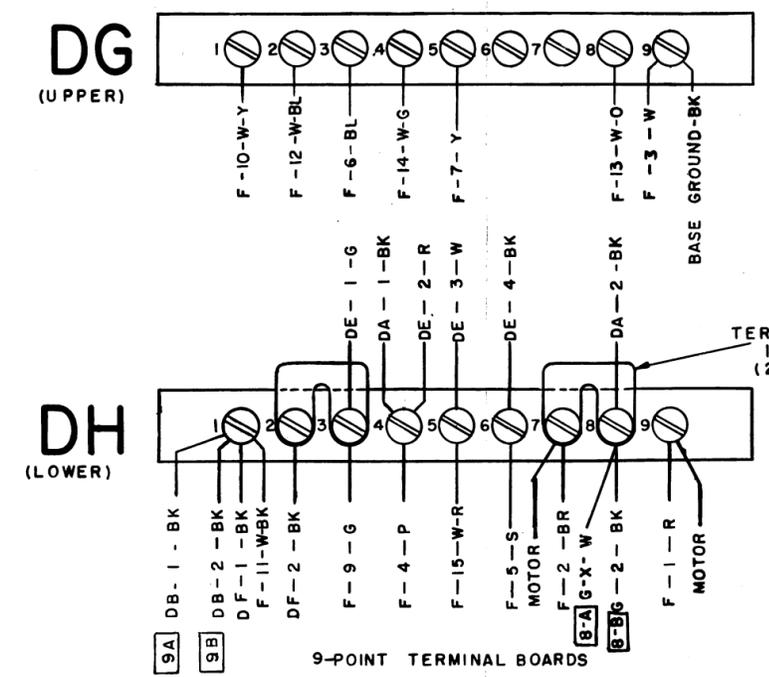
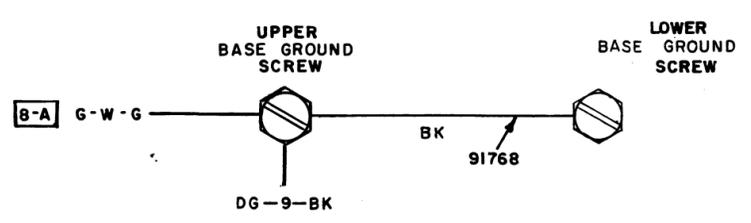
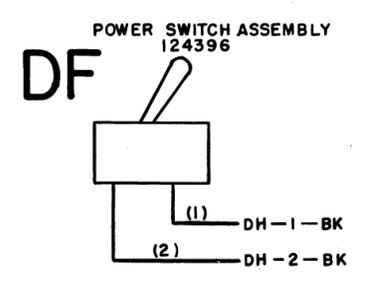
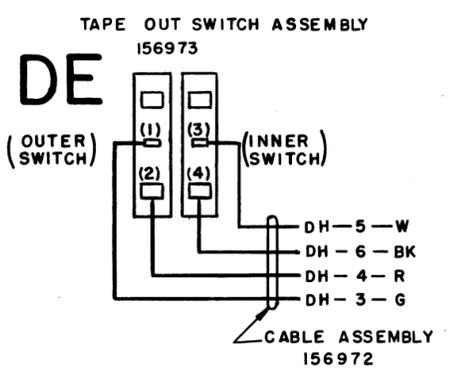
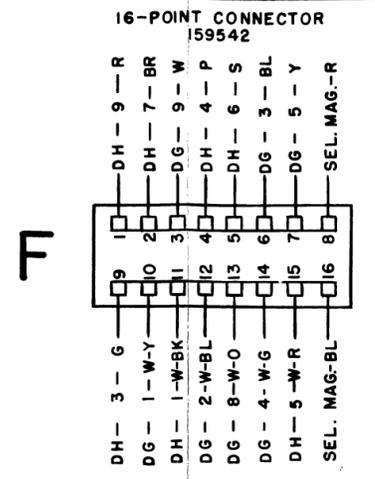
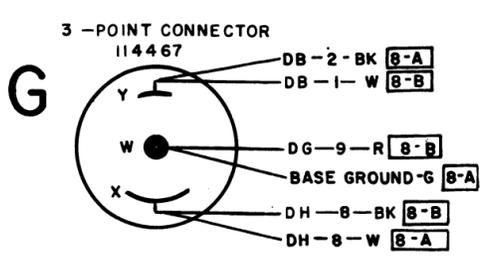
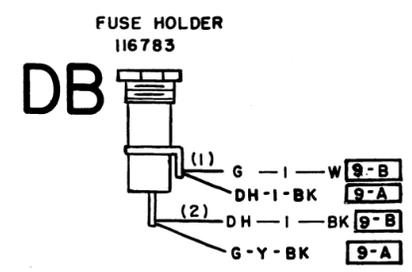
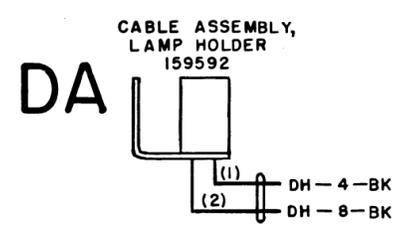
DO-B B - DENOTES WIRING BEFORE THE CHANGE DESCRIBED BY THE DESIGNATED NOTE ENTERED THE PRODUCT.

NOTE NUMBER

DO-A A - DENOTES WIRING AFTER THE CHANGE DESCRIBED BY THE DESIGNATED NOTE ENTERED THE PRODUCT.

8. 3 POINT CONNECTOR HAS BEEN CHANGED TO MEET DESIGN STANDARDS AND U.L. WIRING PROCEDURES.

9. FUSE HOLDER HOOK-UP HAS BEEN CHANGED TO MEET STANDARDS AND U.L. WIRING PROCEDURES



3319WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
1	8-5-57	TP-2093
2	4-3-58	28-8754
3	11-20-58	28-10215
4	8-4-59	28-11508
5	8-15-63	77 455
6	8-31-66	88827-1
7	2-3-67	88827-2

ACTUAL WIRING DIAGRAM MODEL 28 REPERFORATOR BASE LRB 3,11

APPROVALS

D AND R	E OF M
<i>[Signature]</i>	<i>[Signature]</i>

E-NUMBER

PROD. NO. 3319 WD

DATE: 5-28-57

P.D. FILE NO-4-49-65AA

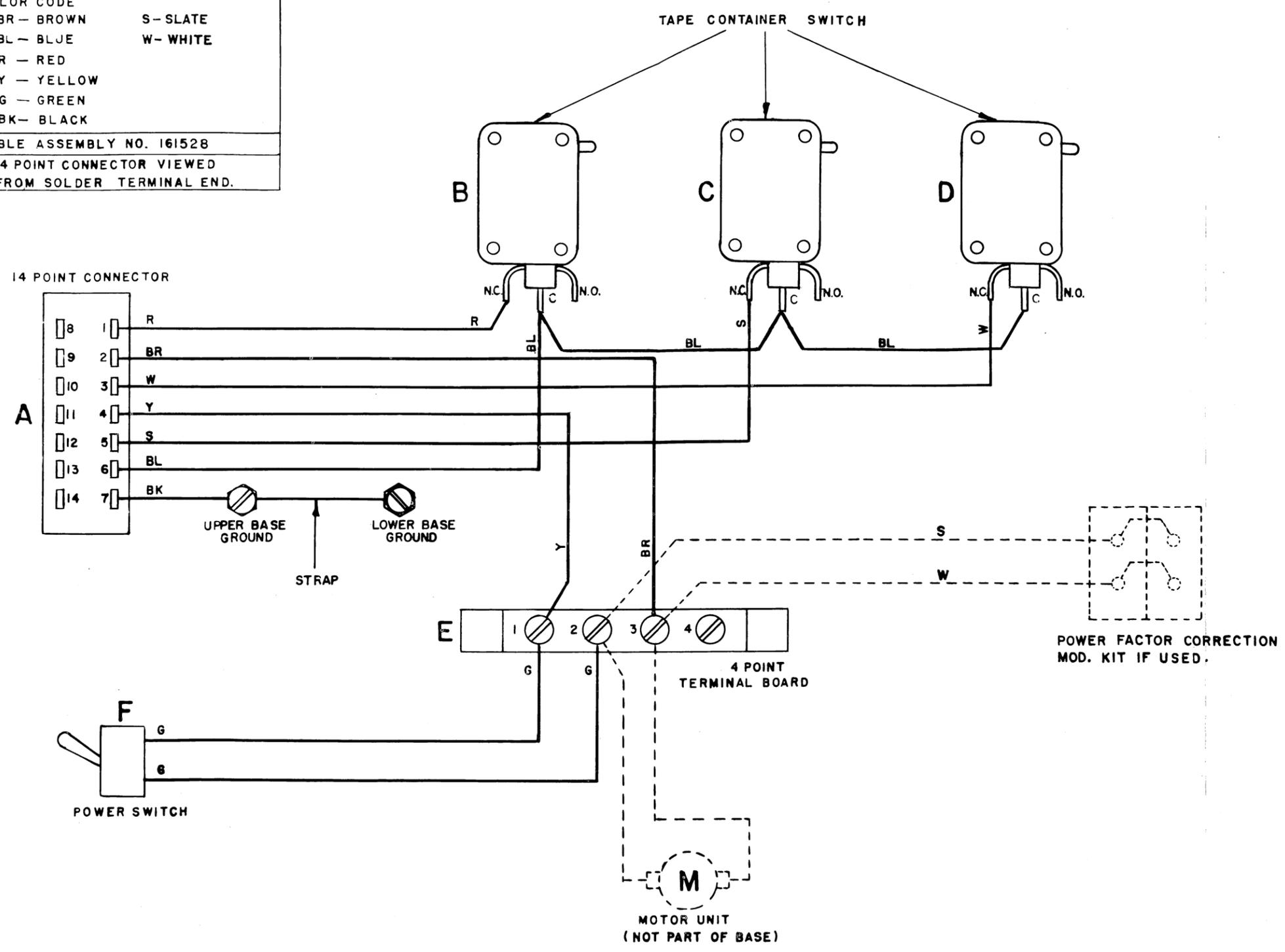
DRAWN: R.C. CHKD: *[Signature]*

ENGD. H.S.P. APPD: *[Signature]*

TELETYPE CORPORATION

NO	NOTES
1.	COLOR CODE BR - BROWN S - SLATE BL - BLUE W - WHITE R - RED Y - YELLOW G - GREEN BK - BLACK
2.	CABLE ASSEMBLY NO. 161528
3.	14 POINT CONNECTOR VIEWED FROM SOLDER TERMINAL END.

3543 WD		
ISSUE	DATE	AUTH. NO.
2	8-15-60	28-13727
3	11-15-60	28-14121
4	1-6-64	79931
5	2-22-65	86038
6	5-9-66	89765
7	7-13-67	94115
8	2-26-68	95172



ET 108147
TC25516-541

WDP

ACTUAL WIRING DIAGRAM FOR
LMRB200BZ, 201BZ,
202BZ, 203BZ, 205BZ,
210BZ, 212BZ, 213

APPROVALS

D AND R	E OF M
<i>[Signature]</i>	<i>[Signature]</i>

E-NUMBER

PROD. NO. 3543 WD

DATE: 6-26-58

P.D. FILE NO 4-64/49 65AA

DRAWN A. D. CHKD. *[Signature]*

ENG. H. S. P. APPD. *[Signature]*

TELETYPE CORPORATION

3543 WD

3574WD

REVISIONS

ISSUE	DATE	AUTH. NO.
2	7-27-59	28-11465
3	8-7-59	28-11555
4	10-1-59	28-11795
5	11-6-59	28-11942
6	5-9-60	28-13170
7	2-25-65	86438
8	6-10-65	86949
9	1-21-66	86849-1
10	10-18-66	92039 RC
11	1-20-67	92604
12	8-28-67	94019 C

NOTE: REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD WHICH IS PART OF THIS W.D.

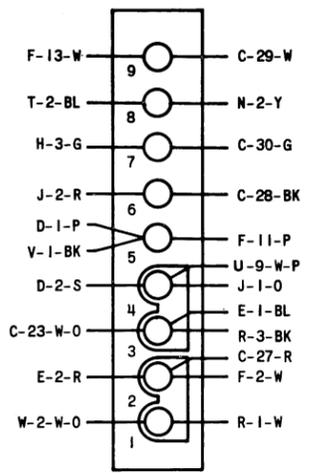
- NO. NOTES
1. WIRING LEGEND:
 2. COLOR CODE:

BK - BLACK	G - GREEN
BL - BLUE	Y - YELLOW
BR - BROWN	W - WHITE
R - RED	S - SLATE
P - PURPLE	O - ORANGE
 3. UNIT WIRED FOR 115V AC INPUT.
 4. CONNECTORS VIEWED FROM SOLDER TERMINAL ENDS.
 5. NUMBERS IN PARENTHESIS ARE FOR REFERENCE AND ARE NOT NECESSARILY SHOWN ON COMPONENTS.
 6. WHEN SOLDERING CABLE TO INDICATOR LIGHTS, BEND TERMINALS OUTWARD 90°.
 7. THESE SPARES ARE PART OF THE 161878 CABLE AND ARE TIED BACK AT THE F CONNECTOR.
 8. GROUND STRAP TO LEFT FRONT MTG. STUD ON BASE.
 - 9.
 10. UNITS INCLUDE MATING 16 PT. CONNECTOR FOR CUSTOMERS USE. CIRCUIT REFERENCES SHOWN BELOW. FOR CIRCUITRY, REFER TO SET SCHEMATIC.

TERMINAL NO. 3 TO BE CONNECTED TO A GROUND SCREW ON THE BASE.
 11. WIRING ON UNITS WITHOUT "V" FUSE HOLDER.
 12. WIRING ON UNITS WITH "V" FUSE HOLDER.
 13. FOR LTRK-1 WITH 179615 MOD. KIT. SEE 7220WD.
 14. FOR ASSOCIATED SCHEMATICS REFER TO:

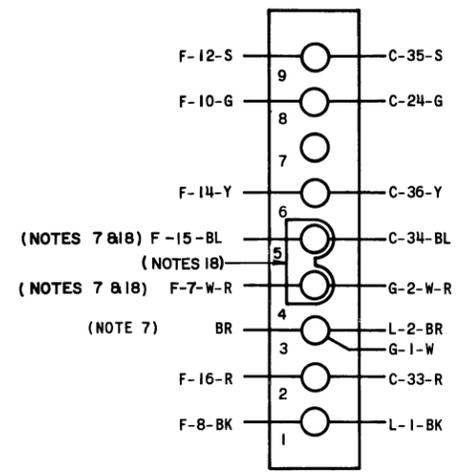
3575WD	LTRK1
4147WD	LTRK2
7221WD	LTRK1 WITH 179615 MOD. KIT.
8442WD	LTRK IO
 - 15.
 16. TOGGLE STRAP PRESENT ON LTRK IO ONLY.
 17. ARC SUPPRESSOR NOT PRESENT ON LTRK IO.
 18. WIRE LTRK IO AS FOLLOWS:
 (1) REMOVE METAL STRAP BETWEEN B4 AND B5.
 (2) CONNECT W-R SPARE IN CONNECTOR F TO F7. CONNECT BL SPARE IN CONNECTOR F TO F15.
 19. IF LTRK IO SIGNAL GENERATOR IS USED IN STANDARD 20 OR 60 MA DC LINE, IT SHOULD NOT BE TRANSFERRED TO LOW VOLTAGE SERVICE WITHOUT REPLACING SIGNAL GENERATING CONTACTS.

A
POWER TERMINAL STRIP (LOWER)



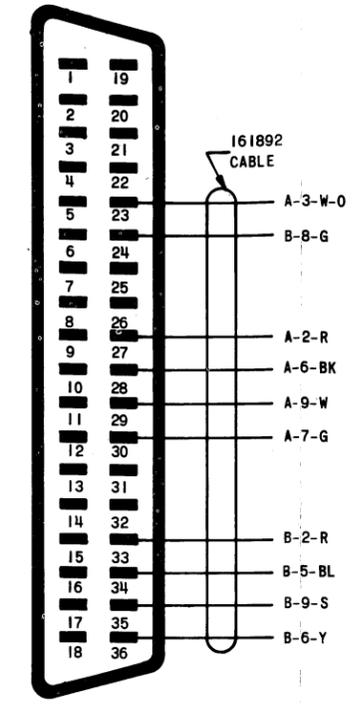
(NOTE 11)
(NOTE 12)

B
LINE TERMINAL STRIP (UPPER)

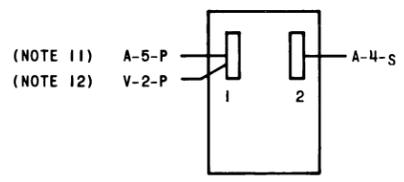


(NOTES 7 & 18) F-15-BL
(NOTES 18) F-7-W-R
(NOTES 7 & 18) F-7-W-R
(NOTE 7) BR

C
REPERFORATOR CONNECTOR (PLUG)

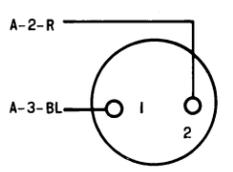


D
POWER SWITCH

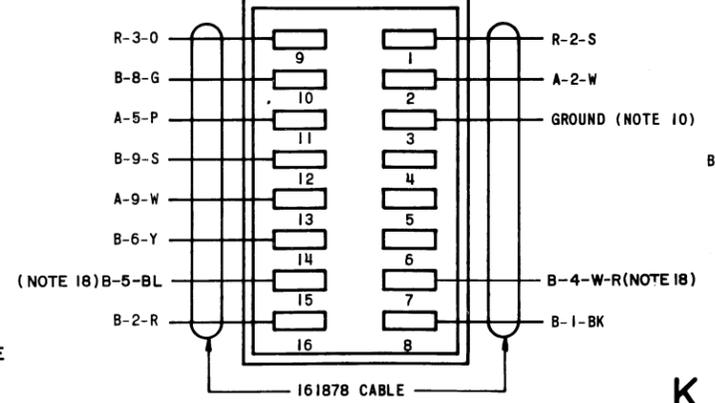


(NOTE 11)
(NOTE 12)

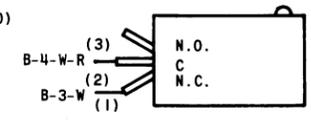
E
PILOT LIGHT (SEE NOTE 6)



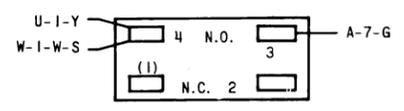
F
BASE CONNECTOR (RECEPTACLE) (159542)



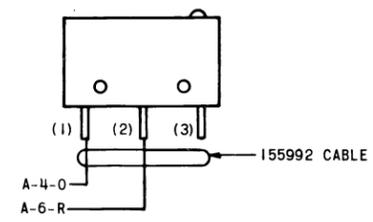
G
SIGNAL LINE BREAK SWITCH



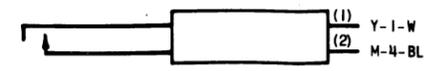
H
TAPE FEED SWITCH (158163)



J
BACK SPACE SWITCH



K
END OF LINE INDICATOR SWITCH



SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS W.D.

SHEET 1

ACTUAL WIRING DIAGRAM
MODEL 28
SEND-RECEIVE
TYPING REPERFORATOR
KEYBOARD
LTRK1, -2, IO

APPROVALS

D AND R
E OF M

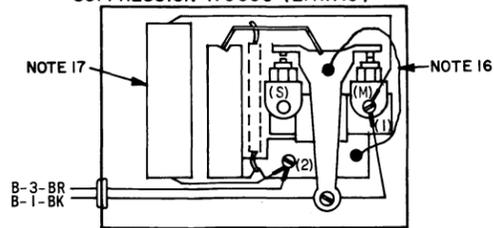
E-NUMBER
 PROD. NO. 3574WD
 DATE 12-9-58
 P.D. FILE NO. 8A.65AA
 DRAWN R.G.K./R.C.B. CHKD. JAL
 ENGD. G.W./S.A.L. APPD.

TELETYPE CORPORATION

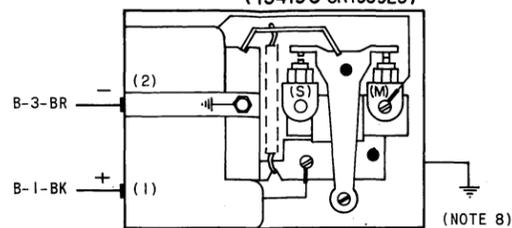
3574WD

SEE SHEET 1 FOR NOTES

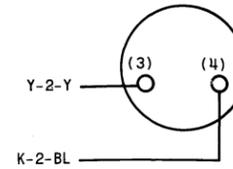
L
SIGNAL GENERATOR CONTACT BOX ASSEMBLY
WITH ARC SUPPRESSION 154166 (LTRK1)
GOLD PLATED CONTACTS WITHOUT ARC
SUPPRESSION 179639 (LTRK10)



L
CONTACT BOX ASSEMBLY
ARC AND R.F. SUPPRESSION
(LTRK-2)
(154190 OR 195923)

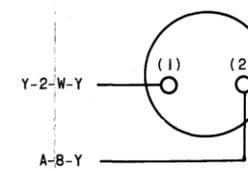


M
END-OF-LINE
INDICATOR LIGHT
(SEE NOTE 6)

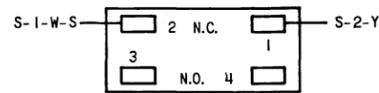


NOTE: REVISION INFORMATION MUST ALSO BE REFLECTED ON THE ISSUE CONTROL RECORD, WHICH IS PART OF THIS W.D.

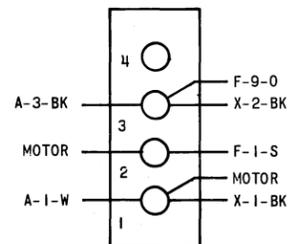
N
LOW TAPE
INDICATOR LIGHT
(SEE NOTE 6)



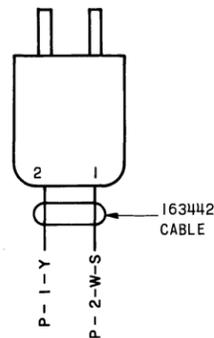
P
LOW TAPE
INDICATOR SWITCH



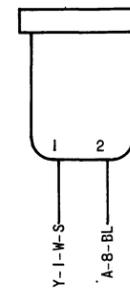
R
MOTOR TERMINAL
STRIP



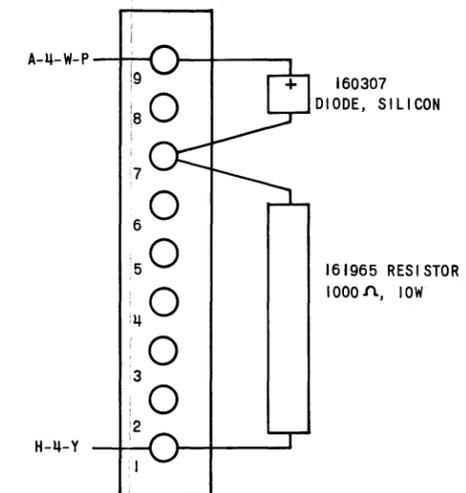
S
LOW TAPE
PLUG



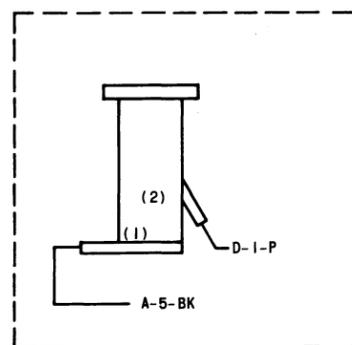
T
LOW TAPE
RECEPTACLE



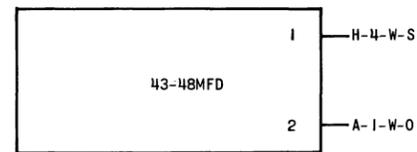
U
AUXILIARY TERMINAL
STRIP



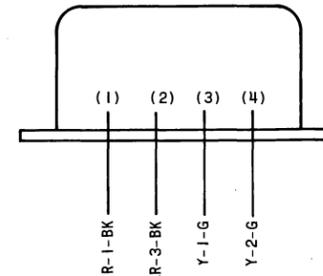
V
FUSE HOLDER



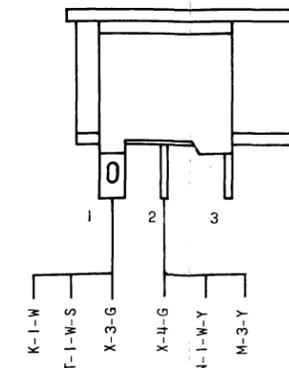
W
CAPACITOR
(122245)



X
TRANSFORMER
(158286)



Y
COPY AND CHARACTER
COUNTER LIGHT
CONNECTOR



3574WD		
REVISIONS		
ISSUE	DATE	AUTH. NO.
2	7-27-59	28-11465
3	8-7-59	28-11555
4	10-1-59	28-11795
5	11-6-59	28-11942
6	5-9-60	28-13170
7	2-25-65	86438
8	6-10-65	86849
9	1-21-66	86849-1
10	10-14-66	91921
11	10-18-66	92039RC
12	8-28-67	94019-C
13	11-9-67	94932-RC

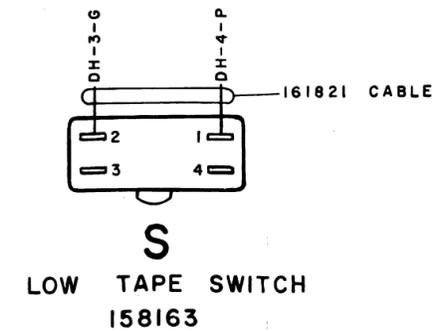
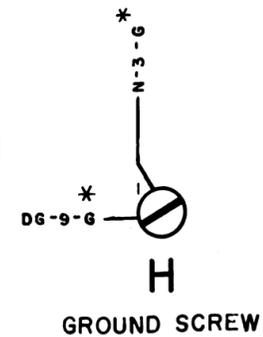
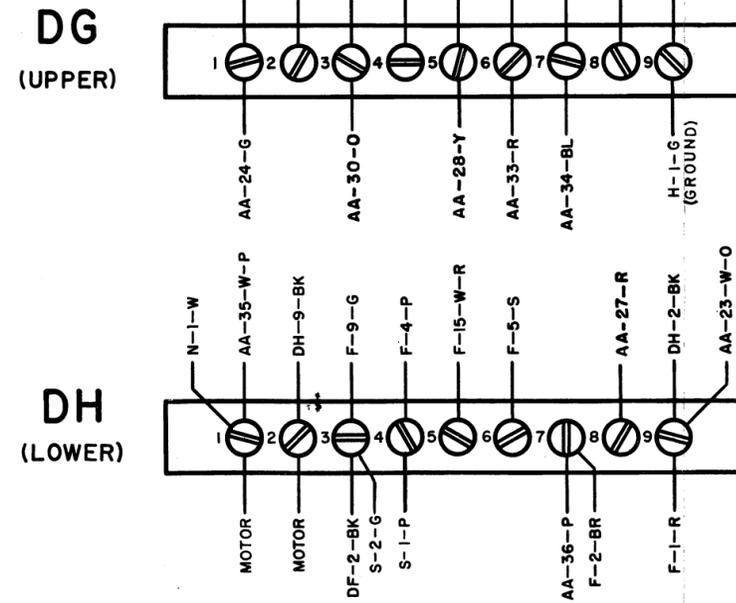
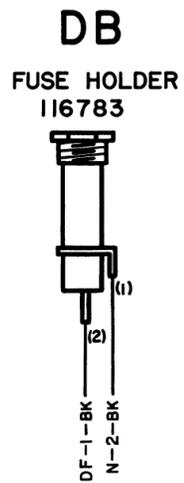
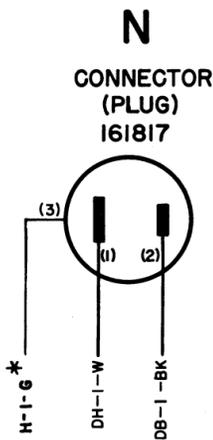
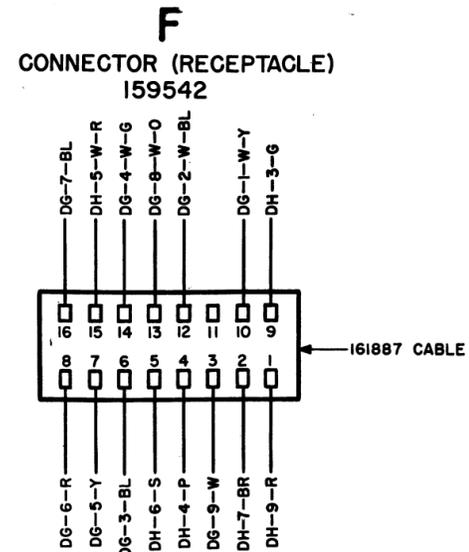
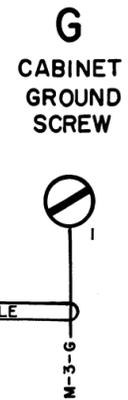
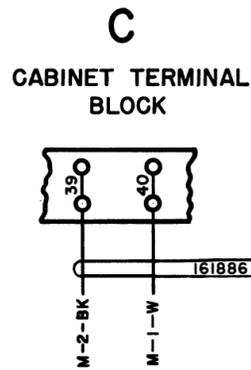
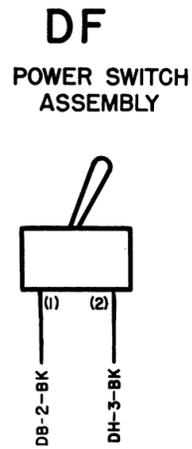
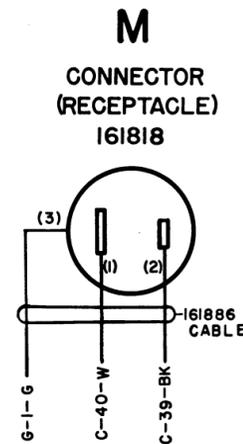
SEE ISSUE CONTROL RECORD FOR COMPLETE LIST OF SHEETS COMPRISING THIS W.D.

SHEET 2
ACTUAL WIRING DIAGRAM
MODEL 28
SEND-RECEIVE
TYPING REPERFORATOR
KEYBOARD
LTRK1,-2,10

APPROVALS	
D AND R <i>HAK</i>	E OF M <i>CS</i>
E-NUMBER	
PROD. NO. 3574WD	
DATE 12-9-58	
P.D. FILE NO. BA.65AA	
DRAWN R.G.K./R.C.B.	CHKD. <i>TOL</i>
ENGD. G.E.W./S.J.L.	APPD.

TELETYPE CORPORATION
3574WD

NO.	NOTES																														
1.	<p>WIRING LEGEND:</p> <p>AB-2-W</p>																														
2.	<p>COLOR CODE:</p> <table border="0"> <tr> <td>BK - BLACK</td> <td>W - BK</td> <td>WHITE - BLACK</td> </tr> <tr> <td>BR - BROWN</td> <td>W - BR</td> <td>WHITE - BROWN</td> </tr> <tr> <td>R - RED</td> <td>W - R</td> <td>WHITE - RED</td> </tr> <tr> <td>O - ORANGE</td> <td>W - O</td> <td>WHITE - ORANGE</td> </tr> <tr> <td>Y - YELLOW</td> <td>W - Y</td> <td>WHITE - YELLOW</td> </tr> <tr> <td>G - GREEN</td> <td>W - G</td> <td>WHITE - GREEN</td> </tr> <tr> <td>BL - BLUE</td> <td>W - BL</td> <td>WHITE - BLUE</td> </tr> <tr> <td>S - SLATE</td> <td>W - S</td> <td>WHITE - SLATE</td> </tr> <tr> <td>P - PURPLE</td> <td>W - P</td> <td>WHITE - PURPLE</td> </tr> <tr> <td>W - WHITE</td> <td></td> <td></td> </tr> </table>	BK - BLACK	W - BK	WHITE - BLACK	BR - BROWN	W - BR	WHITE - BROWN	R - RED	W - R	WHITE - RED	O - ORANGE	W - O	WHITE - ORANGE	Y - YELLOW	W - Y	WHITE - YELLOW	G - GREEN	W - G	WHITE - GREEN	BL - BLUE	W - BL	WHITE - BLUE	S - SLATE	W - S	WHITE - SLATE	P - PURPLE	W - P	WHITE - PURPLE	W - WHITE		
BK - BLACK	W - BK	WHITE - BLACK																													
BR - BROWN	W - BR	WHITE - BROWN																													
R - RED	W - R	WHITE - RED																													
O - ORANGE	W - O	WHITE - ORANGE																													
Y - YELLOW	W - Y	WHITE - YELLOW																													
G - GREEN	W - G	WHITE - GREEN																													
BL - BLUE	W - BL	WHITE - BLUE																													
S - SLATE	W - S	WHITE - SLATE																													
P - PURPLE	W - P	WHITE - PURPLE																													
W - WHITE																															
3.	ASSOCIATED CABLE ASSEMBLIES 161886, 161887 & 161888.																														
4.	ALL CONNECTORS VIEWED FROM SOLDER END.																														
5.	TERMINAL DESIGNATIONS ENCLOSED IN PARENTHESIS ARE NOT MARKED ON COMPONENTS.																														
6.	FOR SCHEMATIC WIRING DIAGRAM SEE 3591 WD.																														



3590 WD

REVISIONS		
ISSUE	DATE	AUTH. NO.
1	8-28-59	28-11618
2	8-19-63	77729
3	8-31-66	88827-1

APPROVALS	
D AND R	E OF M
E-NUMBER	
PROD. NO. 3590 WD	

ACTUAL WIRING DIAGRAM
MODEL 28
REPERFORATOR
BASE LRB5-6

DATE: 9-25-58
P.D. FILE NO. 8-A65.AA
DRAWN: K.F.L. CHKD: [Signature]
ENGD. G.E.W. APPD: [Signature]

TELETYPE CORPORATION
3590 WD

3736 WD		
REVISIONS		
ISSUE	DATE	AUTH. NO.
#2	12-15-59	28-12196
#3	4-1-60	28-12965
#4	10-12-62	74802
#5	12-28-62	75532
#6	8-8-64	76470-2
#7	8-31-66	88827-1
#8	3-3-67	88827-2

NOTES

1. WIRING LEGEND

DB - I - W **00-A** - SEE NOTE 9

2. COLOR CODE

BK - BLACK
BR - BROWN
R - RED
O - ORANGE
Y - YELLOW
G - GREEN
BL - BLUE
S - SLATE
W - WHITE
P - PURPLE

3. ASSOCIATED CABLE ASSEMBLIES

CABLE ASSEMBLY, CONTROL - 163333
CABLE ASSEMBLY - 156972
CABLE ASSEMBLY, LAMP HOLDER - 159592

4. 16 AND 36 POINT CONNECTORS VIEWED FROM SOLDER END.

5. TERMINAL DESIGNATIONS ENCLOSED IN PARENTHESIS ARE NOT MARKED ON COMPONENTS.

6. FOR SCHEMATIC WIRING DIAGRAM SEE 3735WD

7. *FOR USE WITH LRB 46 ONLY REPLACES (DE)

8. AT DH SUBSTITUTE ASTERISK ITEMS ON LRB 46 ONLY.

9. WIRING STATUS:

RECTANGULAR BOX INDICATES HISTORY OF WIRING CHANGES.

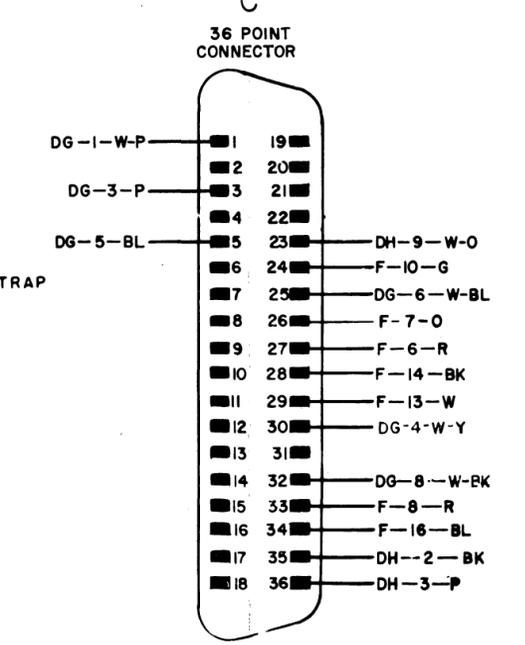
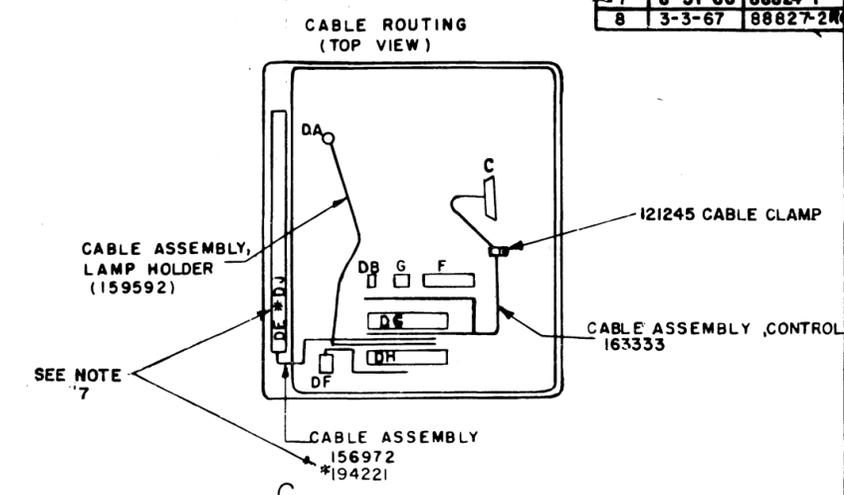
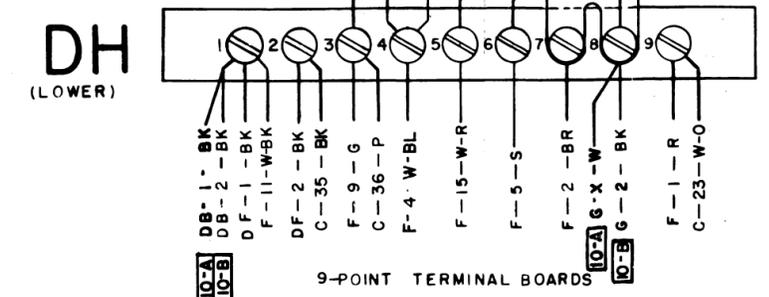
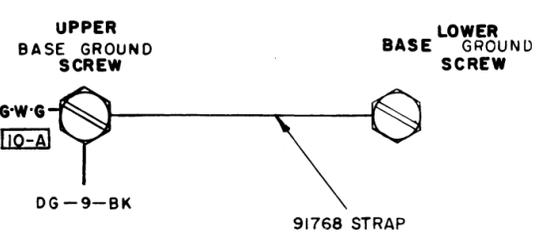
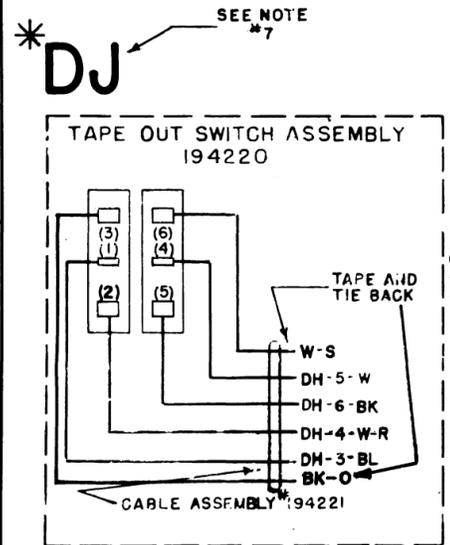
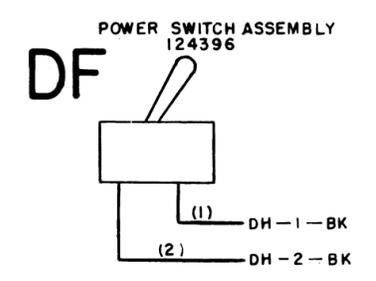
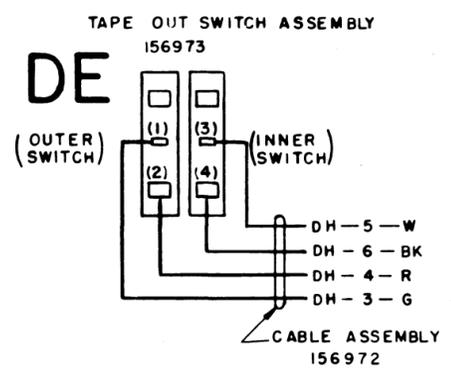
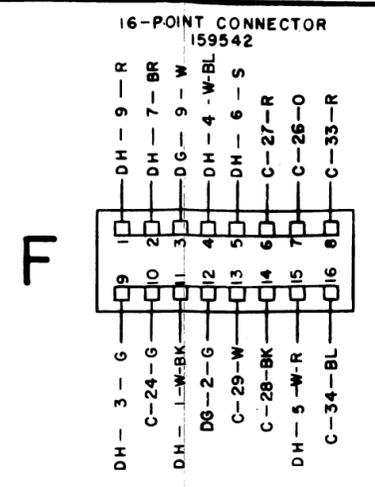
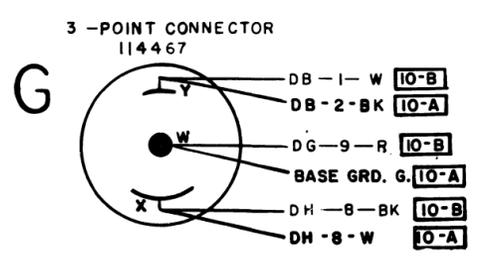
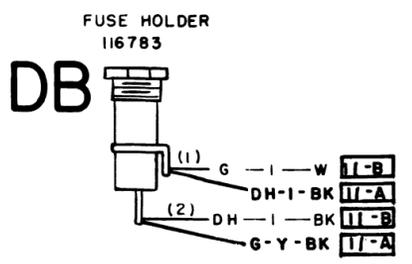
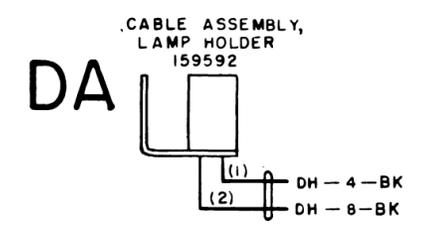
00-B B - DENOTES WIRING BEFORE THE CHANGE DESCRIBED BY THE DESIGNATED NOTE ENTERED THE PRODUCT.

NOTE NUMBER

00-A A - DENOTES WIRING AFTER THE CHANGE DESCRIBED BY THE DESIGNATED NOTE ENTERED THE PRODUCT.

10. 3 POINT CONNECTOR HAS BEEN CHANGED TO MEET DESIGN STANDARDS AND U.L. GROUNDING PROCEDURES.

11. FUSE HOLDER HOOK-UP HAS BEEN CHANGED TO MEET DESIGN STANDARDS AND U.L. WIRING PROCEDURES.



ACTUAL WIRING DIAGRAM MODEL 28 REPERFORATOR BASE LRB2130,46

APPROVALS

D AND P E OF M

E-NUMBER

PROD. NO. 3736WD

DATE: 5-28-59

P.D. FILE NO 4-49.65.AA

DRAWN: WPH CHKD: JPK

ENG. JAC APP: JPK

TELETYPE CORPORATION

8 3736WD

NOTES

1. WIRING LEGEND

DISTANT TERMINATING AREA
 DISTANT TERMINATING DESIGNATION
 WIRE COLOR CODE
 DB-1-W **00-A** ← SEE NOTE 7

2. COLOR CODE

BK - BLACK
 BR - BROWN
 R - RED
 O - ORANGE
 Y - YELLOW
 G - GREEN
 BL - BLUE
 S - SLATE
 W - WHITE
 P - PURPLE

3. ASSOCIATED CABLE ASSEMBLIES

CABLE ASSEMBLY, CONTROL-305549
 CABLE ASSEMBLY - 156972
 CABLE ASSEMBLY, LAMP HOLDER - 159592

4. 16 AND 36 POINT CONNECTORS VIEWED FROM SOLDER END.

5. TERMINAL DESIGNATIONS ENCLOSED IN PARENTHESIS ARE NOT MARKED ON COMPONENTS.

6. FOR SCHEMATIC WIRING DIAGRAM SEE 7135WD

7. WIRING STATUS:

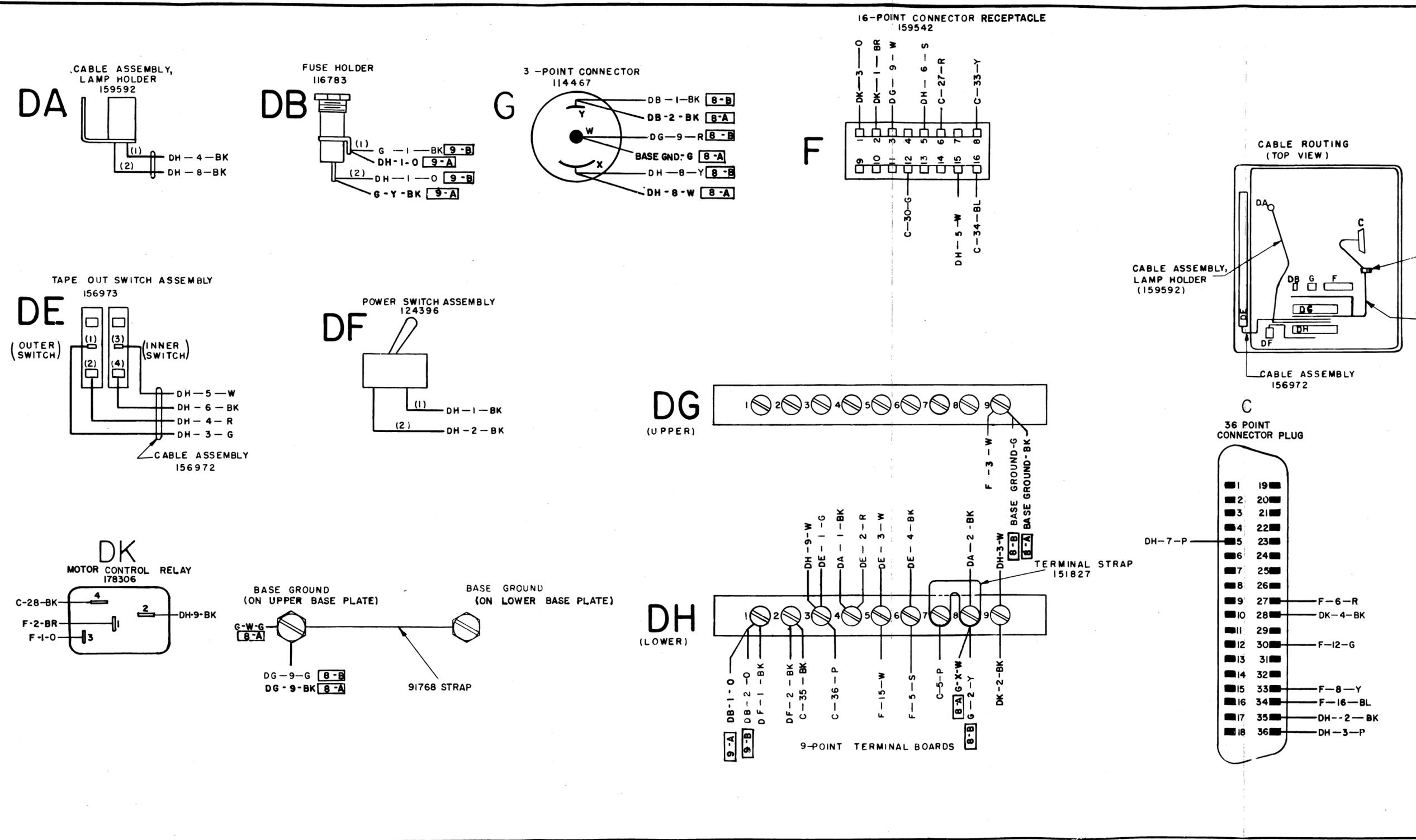
RECTANGULAR BOX INDICATES HISTORY OF WIRING CHANGES

00-B B - DENOTES WIRING BEFORE THE CHANGE DESCRIBED BY THE DESIGNATED NOTE ENTERED THE PRODUCT.
 NOTE NUMBER
00-A A - DENOTES WIRING AFTER THE CHANGE DESCRIBED BY THE DESIGNATED NOTE ENTERED THE PRODUCT.

8. 3 POINT CONNECTOR HAS BEEN CHANGED TO MEET DESIGN STANDARDS AND U.L. GROUNDING PROCEDURES.

(1) Y X W
 (3) R TO W G
 (2) BK Y BK

11. FUSE HOLDER HOOKUP HAS BEEN CHANGED TO MEET DESIGN STANDARDS AND U.L. WIRING PROCEDURES.



7136 WD		
REVISIONS		
ISSUE	DATE	AUTH. NO.
2	4-29-64	81872
3	5-19-65	86370
4	8-31-66	88827-1

ACTUAL WIRING DIAGRAM MODEL 28 REPERFORATOR BASE LRB50	
APPROVALS	
D AND R (Signature)	
E-NUMBER	
PROD. NO. 7136WD	
DATE 10-24-63	
P.D. FILE NO I-162/IL65AA	
DRAWN: N.K.G. CHKD: [initials]	
ENGD. J.J.K.	APPD. [initials]
TELETYPE CORPORATION	
7136 WD	