

HIGH SPEED TAPE READER

(DX TYPE)

ACTUAL WIRING DIAGRAMS

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| 1. GENERAL | |
| 1.01 This section provides the actual wiring diagrams for the High Speed Tape Reader, (DX Type). The schematic and circuit board diagrams are provided in Section 592-804-400. | |

1.02 The electrical components installed on the high speed tape reader are illustrated in the attached actual wiring diagrams.

1.03 These diagrams show the wiring origin, termination, routing, and cabling of the various components. Each wire is identified by color code and wire gauge.

1.04 Notes included on the diagrams explain the symbols used, or point out special conditions used in the diagram, and should be observed closely.

2. WIRING DIAGRAM INDEX

| TITLE | DRAWING NUMBER | ISSUE | | | | | |
|---|----------------|-------|--|--|--|--|--|
| | | 1 | | | | | |
| DX4 Tape Reader Control Sht Sht 1 of 2 2 of 2 | 8069WD | 1 | | | | | |
| 318800 Electronic Magnet Driver | 8233WD | 1 | | | | | |

8069WD

REVISIONS

| ISSUE | DATE | AUTH. NO. |
|-------|--------|-----------|
| 1 | 8-4-67 | 18627-R |

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

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

SHEET 1

ACTUAL
WIRING DIAGRAM
FOR
DX4
TAPE READER

APPROVALS

| | |
|-----------------------|---------------------|
| D AND R <i>HRK</i> | E OF M <i>CS</i> |
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E-NUMBER

PROD. NO. 8069WD

DATE 9-12-66

P.D. FILE NO. 6-47/58.138 AA

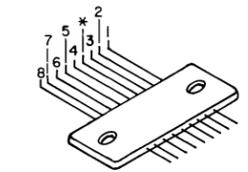
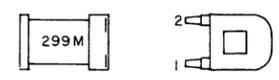
DRAWN R. F. CHKD. *HRK*

ENGD. R.R.S. APPD. *HRK*

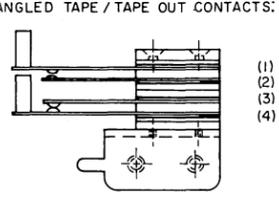
TELETYPE CORPORATION

8069WD

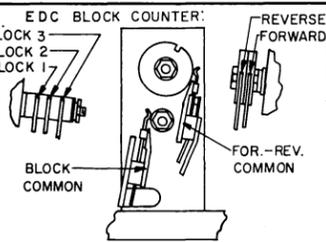
| NO. | NOTES | COMP. | TERMINAL BOARD | 50 PIN CONN. | VERIFY CONT. | CODE CONT. | TANGLED TAPE / TAPE OUT CONTACTS | 6 PIN CONN. | RESISTOR | RIGHT COIL | LEFT COIL | EDC. BLOCK COUNTER | RETRACTOR COIL | RETRACTOR INTERLOCK | BASE | STEPPER BLOCK | 6 PIN CONN. | MOTOR | CAPACITOR | COMP. |
|-----|---|--------------|----------------|--------------|--------------|------------|----------------------------------|-------------|----------|------------|-----------|--------------------|----------------|---------------------|--------|---------------|-------------|--------|-----------|--------------|
| 1. | REFER TO 8070 WD FOR SCHEMATIC WIRING DIAGRAM. | COMP. NO. | 310752 | 173685 | 318677 | 318678 | 318679 | 182649 | 118720 | 299M | 299M | 318700 | 318745 | 198757 | 318660 | 318601 | 182650 | 301373 | 301399 | COMP. NO. |
| 2. | | COMP. DESIG. | TB1 | J1 | | | | J2 | | | | | | | | | F2 | | | COMP. DESIG. |
| 3. | TERMINAL DESIGNATIONS ENCLOSED IN PARENTHESES ARE FOR REFERENCE AND ARE NOT MARKED ON COMPONENTS. | SEE NOTE | 16,17 | 14,17 | 5 | 5 | 6 | 9 | 9 | 4,9,15 | 4,9,15 | 7,12 | | 13 | | | 10 | 10 | | SEE NOTE |
| 4. | REFERENCE TO LEFT AND RIGHT COILS IS AS VIEWED FROM THE FRONT OF THE UNIT | | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | | | |
| 6. | TANGLED TAPE / TAPE OUT CONTACTS: | | | | | | | | | | | | | | | | | | | |
| 7. | EDC BLOCK COUNTER: | | | | | | | | | | | | | | | | | | | |
| 8. | WIRE COLOR CODE: | | | | | | | | | | | | | | | | | | | |
| 9. | USE CABLE ASSEMBLY 318846 | | | | | | | | | | | | | | | | | | | |
| 10. | PART OF 318844 MOTOR W/CONNECTOR | | | | | | | | | | | | | | | | | | | |
| 11. | ALL WIRING IS 24 AWG. EXCEPT FOR: *-20 AWG. **-22 AWG. | | | | | | | | | | | | | | | | | | | |
| 12. | USE CABLE ASSEMBLY 318796. | | | | | | | | | | | | | | | | | | | |
| 13. | USE CABLE ASSEMBLY 318795. | | | | | | | | | | | | | | | | | | | |
| 14. | 155750 SLEEVE (1/2" LONG) TO BE APPLIED OVER ALTERNATE TERMINALS. | | | | | | | | | | | | | | | | | | | |
| 15. | 318837 SLEEVE (3/4" LONG) TO BE APPLIED OVER EACH TERMINAL. | | | | | | | | | | | | | | | | | | | |
| 16. | TERMINAL BOARD-BOTTOM VIEW: | | | | | | | | | | | | | | | | | | | |
| 17. | PART OF 318800 ELECTRONIC MAGNET DRIVER | | | | | | | | | | | | | | | | | | | |



*"FEED" ON 318678 ASSEMBLY
OMIT ON 318677 ASSEMBLY



USE CABLE ASSEMBLY 318714



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

USE CABLE ASSEMBLY 318846

PART OF 318844 MOTOR W/CONNECTOR

ALL WIRING IS 24 AWG. EXCEPT FOR:
*-20 AWG.
**-22 AWG.

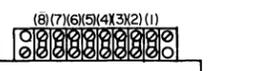
USE CABLE ASSEMBLY 318796.

USE CABLE ASSEMBLY 318795.

155750 SLEEVE (1/2" LONG) TO BE APPLIED OVER ALTERNATE TERMINALS.

318837 SLEEVE (3/4" LONG) TO BE APPLIED OVER EACH TERMINAL.

TERMINAL BOARD-BOTTOM VIEW:



PART OF 318800 ELECTRONIC MAGNET DRIVER

- 1 BR (1)
- 2 R (2)
- 3 O (3)
- 4 Y (4)
- 5 G (5)
- 6 BL (6)
- 7 P (7)
- 8 S (8)
- 10 BK (COMMON)

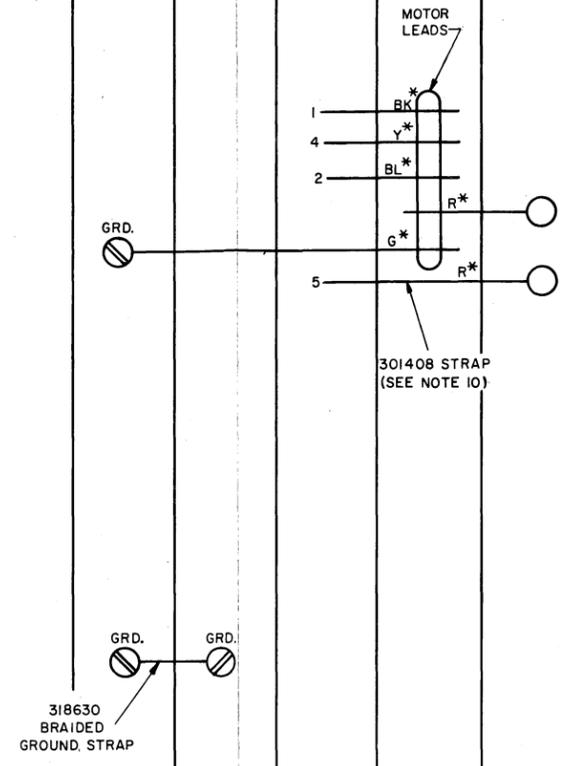
- 34 BR (1)
- 35 R (2)
- 36 O (3)
- 37 Y (4)
- 38 G (5)
- 39 BL (6)
- 40 P (7)
- 41 S (8)
- 9 W-G (FEED)
- 43 BK (COMMON)
- 26 S** (1)
- 16 R** (2)
- 28 Y** (3)
- 29 BL** (4)

- (7) p** (1)
- (6) o** (2)
- (5) w** (1)
- (6) br** (2)

- (2) BK* 1
- (4) BL* 2
- (1) R* 5
- (3) Y* 4

- 18 W-BK (BLOCK COMMON)
- 19 W-BL (BLOCK 1)
- 20 W-P (BLOCK 2)
- 21 W-O (BLOCK 3)
- 23 W-R (FORWARD)
- 24 W-GR (REVERSE)
- 22 W-BR (FOR-REV. COMMON)

- 48 R**
- 49 BL**
- 13 O**
- 46 S**
- 45 R**
- 42 Y**

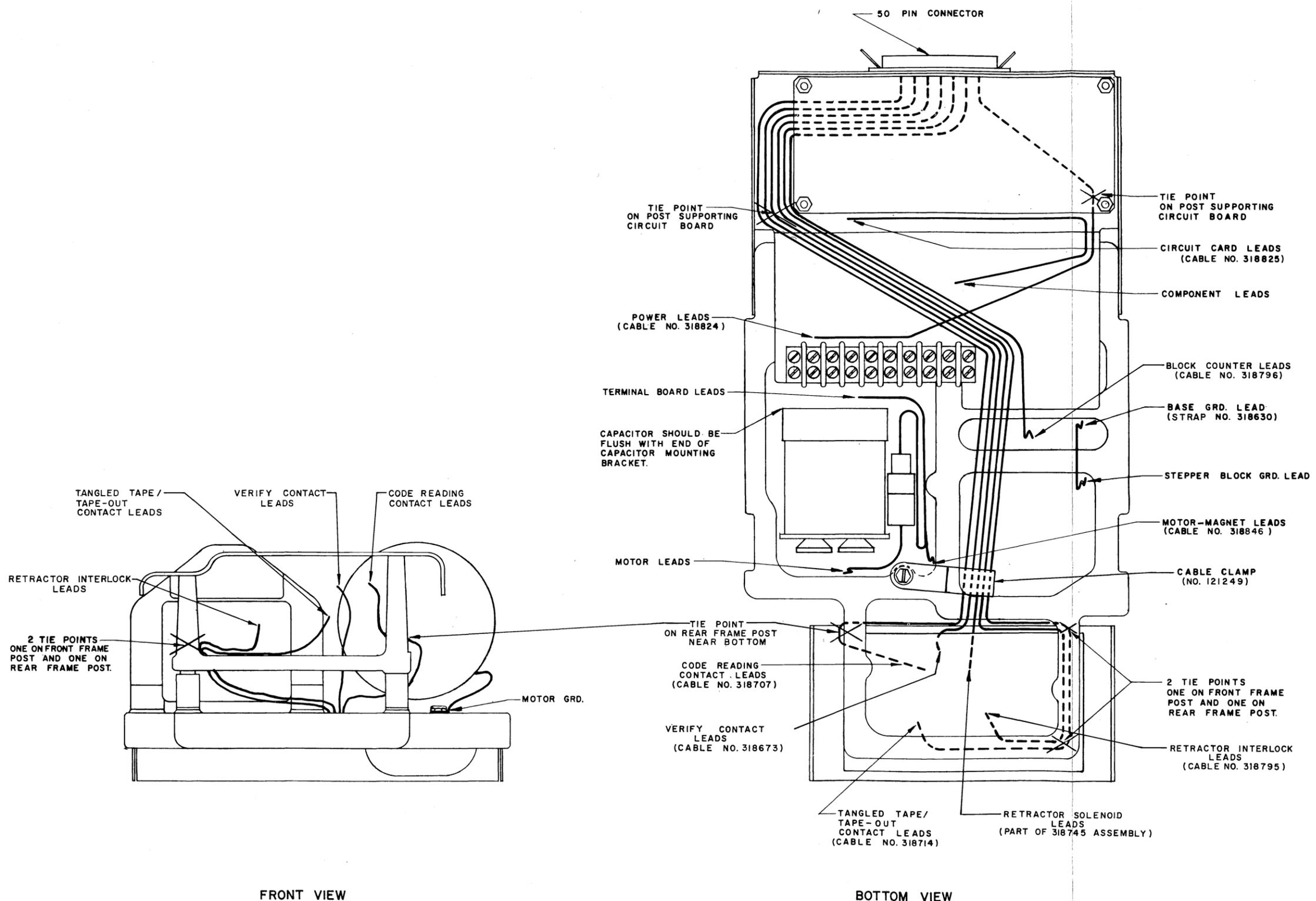


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REVISIONS

| ISSUE | DATE | AUTH. NO. |
|-------|--------|-----------|
| 1 | 8-4-67 | 18627-R |
| | | |
| | | |



FRONT VIEW

BOTTOM VIEW

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

SHEET 2

ACTUAL
WIRING DIAGRAM
FOR
DX 4
TAPE READER

APPROVALS

D AND R *HJK* E OF M *[Signature]*

E-NUMBER

PROD. NO. 8069WD

DATE 1-23-67

P.D. FILE NO. 6-47/58.138AA

DRAWN K. J. R. CHKD. *[Signature]*

ENGD. R. R. S. APPD. *[Signature]*

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CORPORATION

8069WD

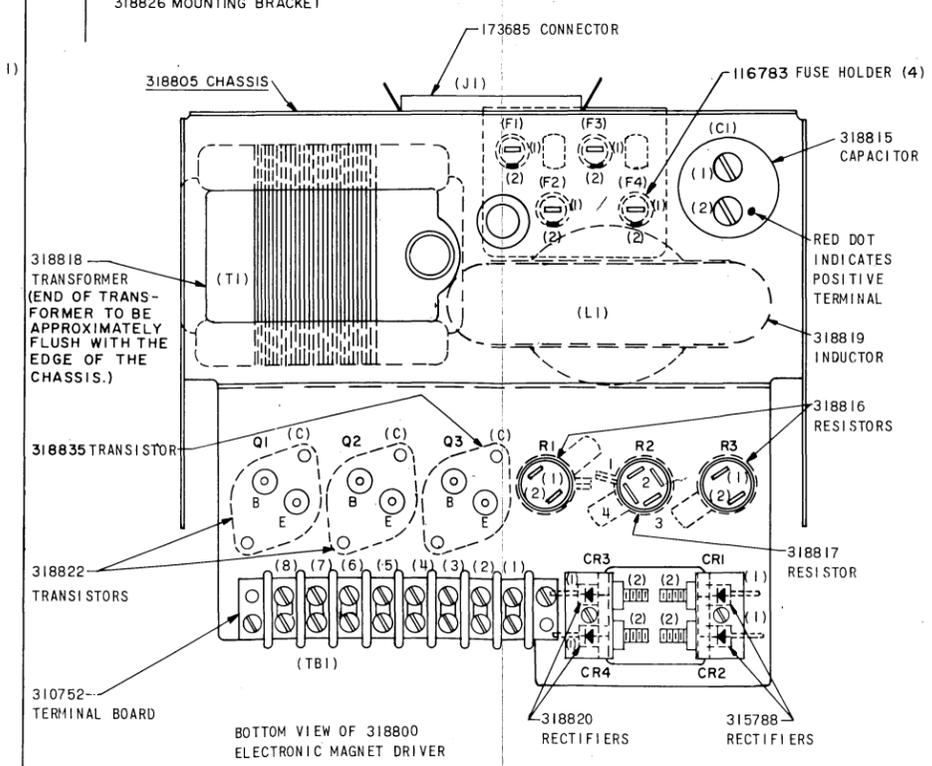
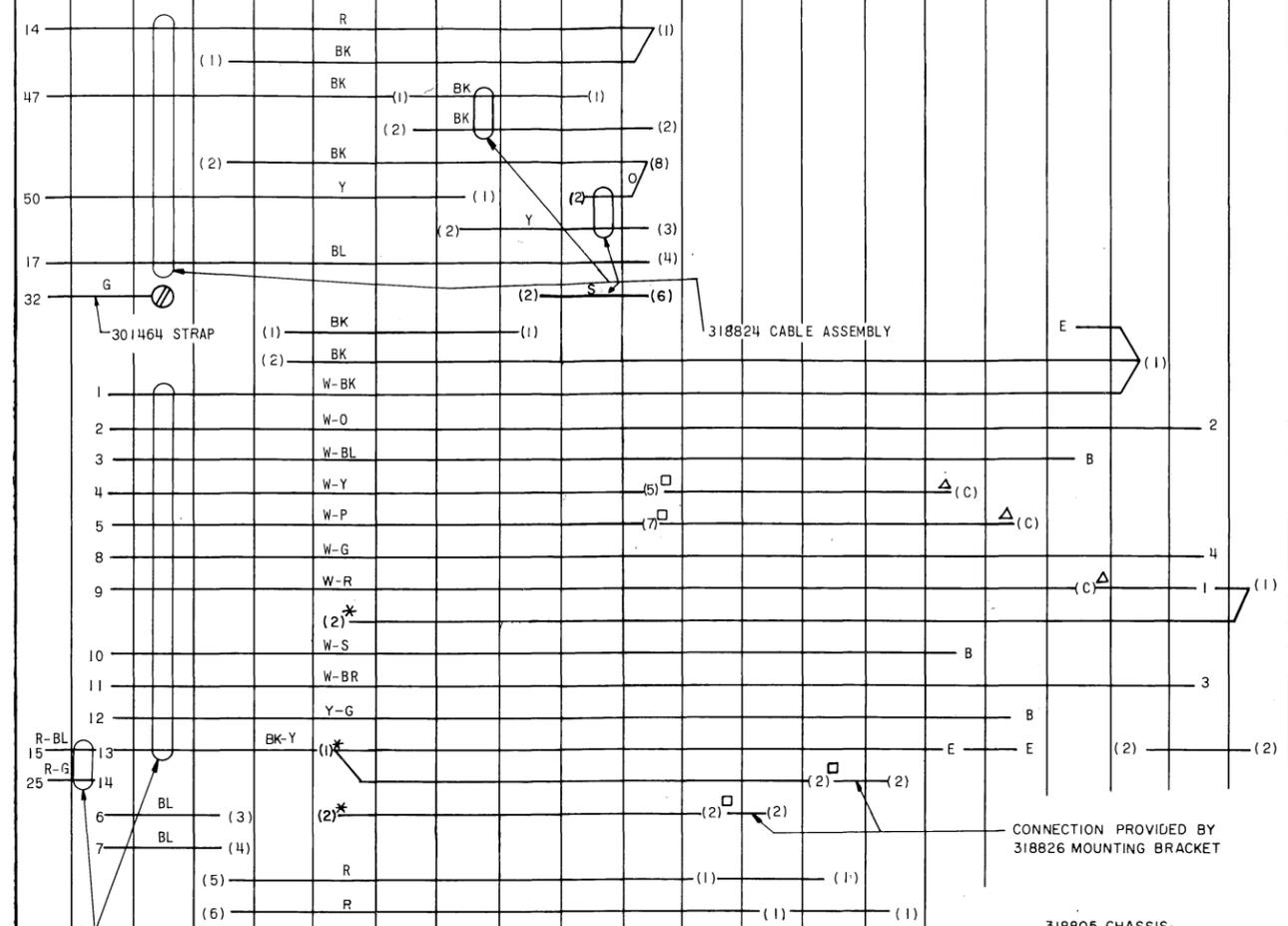
8233 WD

REVISIONS

| ISSUE | DATE | AUTH. NO. |
|-------|--------|-----------|
| 1 | 8-2-67 | 18412 R |
| | | |
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| | | |

| NO. | NOTES |
|-----|---|
| 1. | REFER TO 8234WD FOR SCHEMATIC WIRING DIAGRAM. |
| 2. | |
| 3. | TERMINAL DESIGNATIONS ENCLOSED IN PARENTHESES ARE FOR REFERENCE AND ARE NOT MARKED ON COMPONENT. |
| 4. | ALL SURFACE WIRE 22 AWG. 31855 RM (BLACK) UNLESS OTHERWISE SPECIFIED. |
| 5. | Δ INDICATES 131099 TERMINAL. |
| 6. | LEADS TO 318818 TRANSFORMER ARE PART OF THE TRANSFORMER. |
| 7. | LEADS TO 318819 INDUCTOR ARE PART OF THE INDUCTOR. |
| 8. | 155750 SLEEVE (1/2" LONG) TO BE APPLIED OVER EACH TERMINAL. |
| 9. | CUT TRANSISTOR LEADS TO 1/4" LONG. |
| 10. | * INDICATES 107398 OR 72602RM TERMINAL. COVER SHANK OF TERMINAL WITH 1/2" 60373RM HEAT SHRINK TUBING. |
| 11. | □ INDICATES 82474 OR 72597RM TERMINAL. COVER SHANK OF TERMINAL WITH 1/2" 60373RM HEAT SHRINK TUBING. |
| 12. | COLOR CODE: R - RED O - ORANGE W - WHITE P - PURPLE BL - BLUE G - GREEN BK - BLACK Y - YELLOW BR - BROWN S - SLATE |
| 13. | THE WIRES TO TERMINALS 6 AND 7 ARE TO BE TIED TO THE 318825 CABLE ASSEMBLY ADJACENT TO THE TERMINALS TO PROVIDE STRAIN RELIEF FOR THE WIRES. |

| COMPONENT | 50 PIN CONN | CIRCUIT CARD | CHAS-SIS | TRANS-FORMER | INDUC-TOR | CAPAC-ITOR | FUSE HOLDER | FUSE HOLDER | FUSE HOLDER | FUSE HOLDER | TERM. BOARD | RECTI-FIER | RECTI-FIER | RECTI-FIER | RECTI-FIER | TRAN-SISTOR | TRAN-SISTOR | TRAN-SISTOR | RE-SISTOR | RE-SISTOR | RE-SISTOR |
|---------------|-------------|--------------|----------|--------------|-----------|------------|-------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|-------------|-------------|-------------|-----------|-----------|-----------|
| COMP. DESIG. | J1 | | | T1 | L1 | C1 | F1 | F2 | F3 | F4 | TB1 | CR1 | CR2 | CR3 | CR4 | Q1 | Q2 | Q3 | R1 | R2 | R3 |
| COMPONENT NO. | 173685 | 318810 | 318805 | 318818 | 318819 | 318815 | 116783 | 116783 | 116783 | 116783 | 310752 | 315788 | 315788 | 318820 | 318820 | 318822 | 318822 | 318835 | 318816 | 318817 | 318816 |
| SEE NOTE | 8 | 13 | | 6 | 7 | | | | | | | | | | | 9 | 9 | 9 | | | |



ACTUAL WIRING DIAGRAM FOR 318800 ELECTRONIC MAGNET DRIVER

APPROVALS

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

E-NUMBER
 PROD. NO. 8233 WD
 DATE 12-5-66
 P.D. FILE NO. 6-47/58.138 AA
 DRAWN R. F. CHKD. *[Signature]*
 ENGD. R.R.S. APPD. *[Signature]*

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 8233 WD