DATASPEED TAPE SENDERs 5A AND 5C
SCHEMATIC AND ACTUAL WIRING DIAGRAMS

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1. GENERAL
1.01 This section provides the schematic dia-
grams, actual wiring diagrams, inter-
connecting diagram, and power distribution
diagram for DATASPEED Tape Senders 5A and
5C. This section is reissued to provide the
latest wiring diagrams, and cable diagram for
the Tape Senders 5A and 5C. Since this is a
general revision marginal arrows ordinarily
used to indicate changes and additions are
omitted.

1.02 Refer to related sections for descriptive
information. Diagrams concerned with
the tape reader are included in standard tape
reader section.

1.03 The attached material consists of Tele-
type Corporation diagrams. The index
(Part 2) lists the title of each diagram, its
Teletype identification number, and the issue
number.

2. DIAGRAM INDEX

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<td>Actual Wiring Diagram for Electrical</td>
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NOTES

1. Wiring Legend
   - Distant Terminating Area
   - Distant Terminal Designation
   - Wiring Color Code

2. Color Code
   - BK: Black
   - W: White
   - Y: Yellow
   - R: Red
   - G: Green
   - B: Blue
   - O: Orange
   - S: Slate
   - F: Purple
   - BR: Brown
   - WR: White
   - RG: Red Green
   - YW: Yellow White
   - BL: Blue White
   - OR: Orange Red
   - WO: White Orange

3. Contacts shown in unoperated position.

4. Numbers enclosed by parentheses ( ) are used for reference and are not necessarily shown on the parts.

5. Strap with #22 gage wire as indicated.

**Actual Wiring Diagram**

**CX803 Reader**

**Approvals**

**Drawn by:**

**Checked by:**

**6440 Wd**
1. Use 60340 RM tubing to insulate diode leads and resistor leads where necessary.

2. Wire color codes:
   - White = W
   - Slate = S
   - Black = BK
   - Red = R
   - Orange = O

3. Fuse value corresponding to fuse holder XF951—1.5 A.

4. Connections viewed from terminal side.

5. Refer to 6444WD for schematic wiring.

6. * Asterisk indicates wire is not part of cable assembly.

7. Terminal designations in parentheses () are for reference only and not marked on components.

8. Use 198045 cable assembly.

9. Wires identified with asterisk are:
   - Black — RM31900
   - Orange — RM31901

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Wiring Diagram

- T951
- CR951
- CR952
- CR954
- 900 MFD
- 198045 cable assembly
- R951
- R952
- 198045 cable assembly
1. REFER TO 6442 WD FOR SCHEMATIC.

WIRE COLOR CODE

<table>
<thead>
<tr>
<th>Wire</th>
<th>Color</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>BK</td>
<td>BLACK</td>
<td>RM 31880</td>
</tr>
<tr>
<td>W</td>
<td>WHITE</td>
<td>RM 31881</td>
</tr>
<tr>
<td>R</td>
<td>RED</td>
<td>RM 31882</td>
</tr>
<tr>
<td>G</td>
<td>GREEN</td>
<td>RM 31883</td>
</tr>
<tr>
<td>O</td>
<td>ORANGE</td>
<td>RM 31884</td>
</tr>
<tr>
<td>BL</td>
<td>BLUE</td>
<td>RM 31885</td>
</tr>
<tr>
<td>Y</td>
<td>YELLOW</td>
<td>RM 31886</td>
</tr>
<tr>
<td>BR</td>
<td>BROWN</td>
<td>RM 31887</td>
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<tr>
<td>P</td>
<td>PURPLE</td>
<td>RM 31888</td>
</tr>
<tr>
<td>S</td>
<td>SLATE</td>
<td>RM 31889</td>
</tr>
</tbody>
</table>

2. TERMINAL DESIGNATIONS IN PARENTHESES ( ) ARE FOR REFERENCE ONLY AND ARE NOT MARKED ON COMPONENTS.

FUSE VALUE CORRESPONDING TO FUSE HOLDER:

- XF 851 - 1 AMP
- XF 852 - 2 AMP
- XF 853 - 1 AMP

3. USE 151626 TERMINALS, 12 PLACES.

WIRING LEGEND

- DISTANT TERMINATING AREA
- DISTANT TERMINATING DESIGNATION
- WIRE COLOR CODE

6. ACTUAL WIRING DIAGRAM FOR MOTOR CONTROL ASSEM. NO. 198048

APPROVALS

- D AND R
- E OF M

PRODUCT NO. 6443 WD

TELETYPE CORPORATION

6443 WD
1. Refer to 6441 WD for actual wiring diagram.

2. All voltages DC unless otherwise specified.

3. Resistance values of windings on transformer T951:

<table>
<thead>
<tr>
<th>Taps</th>
<th>Resistance</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 &amp; 2</td>
<td>4.2 ohms</td>
</tr>
<tr>
<td>3 &amp; 4</td>
<td>0.526 ohms</td>
</tr>
<tr>
<td>4 &amp; 5</td>
<td>0.6 ohms</td>
</tr>
</tbody>
</table>

4. Terminal designations in parentheses ( ) are for reference only and are not marked on components.

5. All resistors 1/2 watt and resistance values in ohms, unless otherwise specified.

6. All capacitance values in microfarads, unless otherwise specified.

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Diagram:

- Transformer T951
- CR951, CR952, CR953, CR954
- R951: 7.2 ohms, 7 watts
- R952: 750 ohms, 1 watt
- C951: 900 microfarads

Diode: 1N1218, Silicon (4 PL's.)

Connections:

- +48 V
- 1.5 A
- GND.

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Approvals:

- Date: 8-29-63
- P&D File No.: 1-A143AA
- Drawn: AHP
- Checked: AHP
- Approved: AHP

Teletype Corporation

6444 WD
NOTE:

1. IN THE DIAGRAM, TERMINATING WIRE ENCLOSURE DESIGNATION CODES ARE SHOWN IN PARENTHESES AND ARE NOT MARKED ON THE COMPONENT.

2. THEY ARE FOR USE ONLY IN IDENTIFYING THE WIRING."