BULLETIN 280B
VOL. 1

TECHNICAL MANUAL
MODEL 35
AUTOMATIC SEND-RECEIVE
TELETYPEWRITER SET
(ASR)

TELETYPE®
CORPORATION
5555 TOUHY AVENUE, SKOKIE, ILLINOIS

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INTRODUCTION

Bulletin 280B is a technical manual that provides general and specific technical information about the Model 35 Automatic Send-Receive Teletypewriter Set and its component units.

The Bulletin is made up of two volumes. Volume 1 contains descriptions and principles of operation, installation, service and maintenance, lubrication, and disassembly and reassembly. Volume 2 contains adjustments.

Each volume is made up of a group of appropriate independent sections. The sections are complete within themselves; they are separately identified by title and section number and the pages of each section are numbered consecutively, independent of other sections.

The identifying number of a section, a 9-digit number, appears at the top of each page of the section, in the left corner of left-hand pages and the right corner of right-hand pages. The sections are placed in the manual in ascending numerical order.

To locate specific information refer to the table of contents on the following page. Find the name of the involved component in column one and the title of the section in column two. The correct 9-digit section number will then be found in column three. Turn to page one of the section indicated, where the contents of that section will be found (except where a section is small and does not require a listing of contents).

The sections comprising this bulletin are now stocked separately and may be individually ordered if the entire bulletin is not needed.
FILING INSTRUCTIONS

1. The following filing instructions apply to changes sent to the field.

2. Asterisks (*) in the table of contents indicate changes.

3. When the issue of a section changes, replace the old issue with the attached new one.

4. In the case of addendums, turn to the affected section and follow the instructions on the first page of the attached addendum.

5. Replace the old table of contents with this new one.

Note: For information on motor units, see Bulletin 295B.

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Title</th>
<th>Section</th>
<th>Issue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teletypewriter Set (ASR)</td>
<td>Description and Operation</td>
<td>574-202-100 TC</td>
<td>3</td>
</tr>
<tr>
<td>Typing Unit (LP)</td>
<td>Description and Operation</td>
<td>574-220-100 TC</td>
<td>4</td>
</tr>
<tr>
<td>Typing Unit (LP)</td>
<td>Lubrication</td>
<td>574-220-701 TC</td>
<td>4*</td>
</tr>
<tr>
<td>Typing Unit (LP)</td>
<td>Disassembly and Reassembly</td>
<td>574-220-702 TC</td>
<td>1</td>
</tr>
<tr>
<td>Keyboard (LAK)</td>
<td>Description and Operation</td>
<td>574-222-100 TC</td>
<td>5</td>
</tr>
<tr>
<td>Keyboard (LAK)</td>
<td>Lubrication</td>
<td>574-222-701 TC</td>
<td>4</td>
</tr>
<tr>
<td>Keyboard (LAK)</td>
<td>Disassembly and Reassembly</td>
<td>574-222-702 TC</td>
<td>1</td>
</tr>
<tr>
<td>Transmitter-Distributor Base (LCXB)</td>
<td>Description and Operation</td>
<td>574-223-100 TC</td>
<td>3</td>
</tr>
<tr>
<td>Nontyping Reperforator (LRPE)</td>
<td>Description and Operation</td>
<td>574-224-100 TC</td>
<td>3</td>
</tr>
<tr>
<td>Nontyping Reperforator (LRPE)</td>
<td>Lubrication</td>
<td>574-224-701 TC</td>
<td>5</td>
</tr>
<tr>
<td>Nontyping Reperforator (LRPE)</td>
<td>Disassembly and Reassembly</td>
<td>574-224-702 TC</td>
<td>2</td>
</tr>
<tr>
<td>Transmitter Distributor (LXD)</td>
<td>Description and Operation</td>
<td>574-225-100 TC</td>
<td>2</td>
</tr>
<tr>
<td>Transmitter Distributor (LXD)</td>
<td>Lubrication</td>
<td>574-225-701 TC</td>
<td>3</td>
</tr>
<tr>
<td>Transmitter Distributor (LXD)</td>
<td>Disassembly and Reassembly</td>
<td>574-225-702 TC</td>
<td>1</td>
</tr>
<tr>
<td>Electrical Service Unit (LESU)</td>
<td>Description and Operation</td>
<td>574-226-100 TC</td>
<td>4</td>
</tr>
<tr>
<td>Call Control Unit (LCCU)</td>
<td>Description and Operation</td>
<td>574-227-100 TC</td>
<td>2</td>
</tr>
<tr>
<td>Cabinet (LAAC)</td>
<td>Description and Operation</td>
<td>574-228-100 TC</td>
<td>3</td>
</tr>
<tr>
<td>Cabinet (LAAC)</td>
<td>Lubrication</td>
<td>574-228-701 TC</td>
<td>2</td>
</tr>
<tr>
<td>35 Reperforator Bases (LRB)</td>
<td>Description and Operation</td>
<td>574-232-101 TC</td>
<td>1</td>
</tr>
<tr>
<td>35 Reperforator Bases (LRB)</td>
<td>Lubrication</td>
<td>574-232-704 TC</td>
<td>1</td>
</tr>
<tr>
<td>Typing Reperforator (LPR)</td>
<td>Description and Operation</td>
<td>574-233-100 TC</td>
<td>5</td>
</tr>
<tr>
<td>Typing Reperforator (LPR)</td>
<td>Lubrication</td>
<td>574-233-701 TC</td>
<td>5</td>
</tr>
<tr>
<td>Typing Reperforator (LPR)</td>
<td>Disassembly and Reassembly</td>
<td>574-233-702 TC</td>
<td>2</td>
</tr>
<tr>
<td>Answer-Back Unit (LABD)</td>
<td>Description and Operation</td>
<td>574-235-100 TC</td>
<td>3</td>
</tr>
<tr>
<td>Answer-Back Unit (LABD)</td>
<td>Installation</td>
<td>574-235-200 TC</td>
<td>2</td>
</tr>
<tr>
<td>Answer-Back Unit (LABD)</td>
<td>Lubrication</td>
<td>574-235-701 TC</td>
<td>5</td>
</tr>
<tr>
<td>Answer-Back Unit (LABD)</td>
<td>Disassembly and Reassembly</td>
<td>574-235-702 TC</td>
<td>1</td>
</tr>
</tbody>
</table>
# 35 Typing Unit (LP)

## LUBRICATION

### CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. GENERAL</td>
<td>1</td>
</tr>
<tr>
<td>2. BASIC UNIT</td>
<td>5</td>
</tr>
<tr>
<td>Carriage return mechanism</td>
<td>23</td>
</tr>
<tr>
<td>Code and print areas</td>
<td>7</td>
</tr>
<tr>
<td>Codebar detents</td>
<td>8</td>
</tr>
<tr>
<td>Codebar mechanism</td>
<td>7, 15</td>
</tr>
<tr>
<td>Dashpot mechanism</td>
<td>22</td>
</tr>
<tr>
<td>Function reset bail mechanism</td>
<td>20</td>
</tr>
<tr>
<td>Function rocker shaft mechanism</td>
<td>19</td>
</tr>
<tr>
<td>Horizontal positioning drive</td>
<td>26</td>
</tr>
<tr>
<td>Horizontal positioning mechanism</td>
<td>24, 25</td>
</tr>
<tr>
<td>Line feed area</td>
<td>32</td>
</tr>
<tr>
<td>Line feed mechanism (friction feed)</td>
<td>33</td>
</tr>
<tr>
<td>Line feed mechanism (sprocket feed)</td>
<td>36</td>
</tr>
<tr>
<td>Main shaft area</td>
<td>28</td>
</tr>
<tr>
<td>Main shaft (clutches, gears, etc)</td>
<td>28, 29</td>
</tr>
<tr>
<td>Oscillating mechanism</td>
<td>27</td>
</tr>
<tr>
<td>Paper feed mechanism (friction feed)</td>
<td>9</td>
</tr>
<tr>
<td>Positioning area</td>
<td>11</td>
</tr>
<tr>
<td>Printing area</td>
<td>5</td>
</tr>
<tr>
<td>Printing mechanism</td>
<td>5, 6</td>
</tr>
<tr>
<td>Print suppression mechanism</td>
<td>3</td>
</tr>
<tr>
<td>Ribbon area</td>
<td>9</td>
</tr>
<tr>
<td>Ribbon feed mechanism</td>
<td>10, 12</td>
</tr>
<tr>
<td>Ribbon reverse mechanism</td>
<td>19</td>
</tr>
<tr>
<td>Selector cam clutch assembly</td>
<td>29</td>
</tr>
<tr>
<td>Selector mechanism</td>
<td>15, 16</td>
</tr>
<tr>
<td>Shift mechanism</td>
<td>26</td>
</tr>
<tr>
<td>Shift selector mechanism</td>
<td>31, 32</td>
</tr>
<tr>
<td>Single-double line feed mechanism</td>
<td>34</td>
</tr>
<tr>
<td>Spacing and drive area</td>
<td>21</td>
</tr>
<tr>
<td>Spacing clutch trip cam mechanism</td>
<td>30</td>
</tr>
<tr>
<td>Spacing drum feed mechanism</td>
<td>23</td>
</tr>
<tr>
<td>Spacing drum mechanism</td>
<td>22</td>
</tr>
<tr>
<td>Spacing mechanism</td>
<td>30, 31</td>
</tr>
<tr>
<td>Sprocket feed paper mechanism</td>
<td>36</td>
</tr>
<tr>
<td>Stripper blade mechanism</td>
<td>18</td>
</tr>
<tr>
<td>Stunt box area</td>
<td>16</td>
</tr>
<tr>
<td>Stunt box mechanism</td>
<td>17</td>
</tr>
<tr>
<td>Trip shaft mechanism</td>
<td>29</td>
</tr>
</tbody>
</table>

### 3. VARIABLE FEATURES

<table>
<thead>
<tr>
<th>Feature</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form-out mechanism</td>
<td>42</td>
</tr>
<tr>
<td>Horizontal tabulator area</td>
<td>37</td>
</tr>
<tr>
<td>Horizontal tabulator — bail extension arm</td>
<td>40</td>
</tr>
<tr>
<td>Horizontal tabulator — blocking lever</td>
<td>38</td>
</tr>
<tr>
<td>Horizontal tabulator — intermediate bail</td>
<td>39</td>
</tr>
<tr>
<td>Horizontal tabulator — latch bail</td>
<td>39</td>
</tr>
<tr>
<td>Horizontal tabulator — operating lever</td>
<td>38, 39</td>
</tr>
<tr>
<td>Keyboard lock mechanism</td>
<td>46</td>
</tr>
<tr>
<td>Local backspace mechanism</td>
<td>45</td>
</tr>
<tr>
<td>Low paper and paper-out alarm mechanism (sprocket feed)</td>
<td>46</td>
</tr>
<tr>
<td>Paper jam alarm (sprocket feed)</td>
<td>47</td>
</tr>
<tr>
<td>Paper-out alarm mechanism (friction feed)</td>
<td>45</td>
</tr>
<tr>
<td>Print-nonprint solenoid mechanism</td>
<td>40</td>
</tr>
<tr>
<td>Spacing cut-out transfer bail</td>
<td>40</td>
</tr>
<tr>
<td>Two color ribbon shift mechanism — oscillating lever</td>
<td>44</td>
</tr>
<tr>
<td>Two color ribbon shift mechanism — ribbon operating mechanism</td>
<td>44</td>
</tr>
<tr>
<td>Typing unit (sprocket feed)</td>
<td>37</td>
</tr>
<tr>
<td>Vertical tabulator and transmitter distributor control mechanism</td>
<td>41</td>
</tr>
<tr>
<td>Vertical tabulator mechanism (for switched network service)</td>
<td>43</td>
</tr>
</tbody>
</table>

## 1. GENERAL

1.01 This section provides lubrication for the 35 typing unit. It is reissued to include lubrication for the paper jam alarm, recent engineering information and to update general format. Since it is an extensive revision, marginal arrows used to indicate changes have been omitted.
1.02 Lubricate the 35 typing unit as directed in this section. The line drawings indicate points to be lubricated and the type and quantity of lubricant to be used. Figures 1 and 2 illustrate the general areas of lubrication on the friction feed unit and Figure 3 shows the lubrication areas on the sprocket feed unit. Lubricate the typing unit prior to placing it in service. Relubricate after a few weeks to make sure that all points have received proper lubrication. Thereafter, lubricate the typing unit at intervals of 1500 hours or six months, whichever occurs first.

1.03 Use KS7470 oil at all locations where the use of oil is indicated. Use KS7471 grease at all locations where the use of grease is indicated.

1.04 Saturate all spring wicks and felt oilers. Thoroughly lubricate the friction surfaces of all moving parts. However, avoid over-lubrication which permits oil or grease to drip or be thrown on other parts. Take special care to prevent any oil or grease from getting between the selector armature and its magnetic pole faces. Keep all electrical contacts free of oil and grease.

1.05 Apply a thin film of grease to the teeth of the range scale knob assembly (knob and gear).

1.06 Apply a thick film of grease to all gears and the spacing trip lever bail cam plate.

1.07 Apply oil to all cams, including the camming surfaces of each clutch disc.

1.08 Grease the clutch shoe lever spring loops and completely saturate the internal mechanism of the clutch assembly with oil.

1.09 Apply a thin film of oil around the outer periphery of the dashpot cup and retainer. Avoid excessive lubrication that will obstruct the dashpot parts.

1.10 The photographs serve as a guide to mechanism locations on the unit. They are also keyed to the paragraph numbers of line drawings of particular mechanisms. Parts in the line drawings are shown in an upright position unless otherwise specified. References to left, right, top, bottom, front, rear, etc, apply to the unit in its normal operating position as viewed from the operator's position in front of the unit.

1.11 The illustration symbols indicate the following lubrication directions.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>O1</td>
<td>Apply 1 drop of oil.</td>
</tr>
<tr>
<td>O2</td>
<td>Apply 2 drops of oil.</td>
</tr>
<tr>
<td>O3</td>
<td>Apply 3 drops of oil, etc.</td>
</tr>
<tr>
<td>G</td>
<td>Apply thin film of grease.</td>
</tr>
<tr>
<td>SAT</td>
<td>Saturate (felt oilers, washers, wicks) with oil.</td>
</tr>
</tbody>
</table>

Note: During each lubrication period, check the following adjustments in Section 574-220-700TC.

1. Printing Carriage Position
2. Printing Hammer Bearing Stud
3. Printing Hammer Stop Bracket (Also see note following this adjustment.)
4. Lower Draw Wire Rope
5. Dashpot Vent Screw (Check Dashpot Transfer Slide for ease of movement.)
Figure 1 - 35 Typing Unit, Friction Feed
Figure 2 - 35 Typing Unit, Friction Feed
2. BASIC UNIT

2.01 Printing Area

2.02 Printing Mechanism
2.03 Printing Mechanism (continued)

(Front View)

2.04 Typebox Carriage Mechanism

(Rear View)
2.05 Code and Print Areas

2.06 Codebar Mechanism

O1 Hook (Each End)  Spring
O2 Guide Slots (Right, Center, and Left — 9 Bars)  Codebars
O1 Hooks (Each End)  Springs (3 Places)
O2 Engaging Surfaces  Guides

(Front View)
2.07 Codebar Detents

![Diagram of Codebar Detents]

(Left Side View)

2.08 Print Suppression Mechanism

![Diagram of Print Suppression Mechanism]

(Left Side View)
2.09 Paper Feed Mechanism (Friction Feed)

- O1: Hooks (Each End)
- O2: Bearing Surface (Each End)
- G: Teeth (2 Gears)
- O2: Bearings (Each End)
- O1: Bearing Surfaces (Each End) (6 Rollers)
- O2: Bearing Surfaces (Each End)
- O2: Bearing Surfaces (Right and Left)
- O2: Hooks (Each End)
- O2: Bearing Surface
- O2: Bearing Surfaces (Each End)

- Spring
- Platen Detent Bail
- Paper Finger Shaft
- Platen Gears
- Platen Shaft
- Paper Pressure Roller Shafts (Wipe Off Excess Oil)
- Paper Straightener Shaft
- Paper Straightener Levers
- Spring
- Release Lever
- Release Lever Link

(Left Side, Rear View)

(Right Side, Rear View)

2.10 Ribbon Area

(Left Rear View)
2.11 Ribbon Feed Mechanism

- Hooks (Each End)
- Bearing Surface
- Felt Washer
- Hooks (Each End)
- Engaging Surface
- Ribbon Feed Lever
- Spring
- Ribbon Spool Toggle
- Ribbon Roller Shaft
- Ribbon Spool Shaft
- Ribbon Ratchet Wheel
- Ribbon Detent Lever

(Left Side View)

- Felt Washers (2 Washers)
- Bearing Surface
- Teeth
- Hooks (Each End)
- Engaging Surface
- Bearing Surfaces
- Ribbon Feed Lever Bail
- Ribbon Reverse Lever
- Ribbon Ratchet Wheel
- Spring
- Ribbon Detent Lever Shaft
- Ratchet Feed Lever Shaft

(Rear View)

2.12 Ribbon Feed Mechanism (continued)

- Bearing Surface
- Engaging Surface
- Teeth
- Ribbon Reverse Lever
- Ribbon Reverse Lever
- Ribbon Reverse Lever
- Ribbon Reverse Lever
- Ribbon Reverse Spur Gear

(Left Side View)
2.13 Positioning Area

(Right Side View)
2.14 Ribbon Feed Mechanism (continued)

(Right Side View)

O2 Bearing Surface Ribbon Roller Shaft
O2 Bearing Surface Ribbon Spool Toggle
SAT Felt Washer Ribbon Spool Shaft
O1 Hooks (Each End) Ribbon Feed Lever Spring
O2 Engaging Surface Ribbon Detent Lever
O1 Hooks (Each End) Ribbon Ratchet Wheel Spring
O2 Teeth Ribbon Ratchet Wheel

(Rear View)

SAT Felt Washers (2 Washers) Ribbon Feed Lever Bail
O2 Bearing Surface Ribbon Reverse Lever
O1 Hooks (Each End) Spring
O2 Bearing Surfaces Ratchet Feed Lever Shaft
O2 Bearing Surface (2 Places) Ribbon Detent Lever Shaft

(Left Side View)

O2 Engaging Surface Ribbon Reverse Lever
O2 Bearing Surface Ribbon Reverse Lever
O2 Engaging Surface Ribbon Reverse Lever
G Teeth Ribbon Reverse Spur Gear
2.16 Vertical Positioning Mechanism

- Bearing Surface
- ribbon Drive Link
- Felt Washer
- Vertical Positioning Lever
- Engaging Surfaces (4 Places)
- Vertical Positioning Locklever
- Hooks (Each End)
- Spring
- Engaging Surface
- Vertical Positioning Lever
- O2 Bearing Surface
- Ribbon Drive Surface
- Camming Surface
- Main Side Lever Follower Arm
- SAT Felt Washers (2 Washers)
- Main Side Lever Follower Arm
- O2 Bearing Surface (2 Places)
- Vertical Positioning Lever
- O1 Hooks (Each End)
- Spring
- SAT Felt Washers (2 Washers)
- Vertical Positioning Lever
- O2 Ball Bearing
- Main Rocker Shaft
- SAT Felt Wick
- Spring Wick
- O1 Hooks (Each End)
- Spring
- O2 Bearing Surface
- Rocker Shaft Bracket
- SAT Felt Washer (Not Illustrated)
- Rocker Shaft Bracket

(Left Side View)
2.17 Vertical Positioning Mechanism (continued)

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAT Felt Washer</td>
<td>Vertical Positioning Lever</td>
</tr>
<tr>
<td>O2 Bearing Surface</td>
<td>Ribbon Drive Link</td>
</tr>
<tr>
<td>O2 Engaging Surface</td>
<td>Vertical Positioning Lever</td>
</tr>
<tr>
<td>O1 Engaging Surface</td>
<td>Vertical Positioning Lever Locklever</td>
</tr>
<tr>
<td>O1 Hooks (Each End)</td>
<td>Spring</td>
</tr>
<tr>
<td>O2 Bearing Surfaces (2 Places)</td>
<td>Vertical Positioning Lever</td>
</tr>
<tr>
<td>SAT Felt Washer (2 Washers)</td>
<td>Main Side Lever Follower Arm</td>
</tr>
<tr>
<td>O2 Bearing Surface</td>
<td>Ribbon Drive Link</td>
</tr>
<tr>
<td>O1 Hooks (Each End)</td>
<td>Spring</td>
</tr>
<tr>
<td>O2 Bearing Surface</td>
<td>Codebar Clutch Trip Shaft Operating Lever</td>
</tr>
<tr>
<td>O2 Engaging Surface</td>
<td>Main Side Lever Follower Arm</td>
</tr>
<tr>
<td>SAT Felt Washer</td>
<td>Codebar Clutch Trip Shaft Operating Lever</td>
</tr>
<tr>
<td>SAT Felt Washers (2 Washers)</td>
<td>Vertical Positioning Lever Extension</td>
</tr>
<tr>
<td>O1 Hooks (Each End) (2 Springs)</td>
<td>Spring</td>
</tr>
<tr>
<td>SAT Felt Wick</td>
<td>Spring Wick</td>
</tr>
<tr>
<td>O2 Bearing Surface</td>
<td>Rocker Shaft Bracket</td>
</tr>
<tr>
<td>O2 Ball Bearing</td>
<td>Main Rocker Shaft</td>
</tr>
</tbody>
</table>

(Right Side View)
2.18 Codebar Mechanism (continued)

- Guide Slots
- Engaging Surface
- Bearing Guide Slots (8 Slots)
- Roller Bearings - (4 Rollers)
- Hooks (Each End) (7 Springs)
- Guide Slots (7 Slots)
- Bearing Surfaces (2 Places)
- Bearing Guide Slots (7 Slots)
- Felt Washer
- Oil Hole

2.19 Selector Mechanism

- Bearing Guide Slots (7 Slots)
- Felt Wick
- Engaging Surfaces (7 Levers)
- Guide Slots
- Wick
- Guide Slots
- Hooks (Each End) (14 Springs)
- Fill Cup (Avoid Air Lock)
- Bearing Guide Slots (9 Slots)
2.20 Selector Mechanism (continued)

2.21 Stunt Box Area

Page 16
2.22 Stunt Box Mechanism

- O2 Guide Slots (11 Levers)
- Function Levers
- O2 Guide Slots (11 Pawls)
- Function Pawls
- SAT Each Felt Wick
- Function Pawl Springs
- O2 Guide Slots (11 Levers)
- Function Bars
- O2 Hooks (Each End) (33 Springs)
- Spring
- O2 Engaging Surfaces (Front and Rear) (11 Bars)
- Function Bars
- O2 Guide and Engaging Surfaces
- Line Feed Slide Arm
- O1 Hooks (Each End)
- Spring
- O2 Bearing Surface
- Keyboard Lock-lever
- O2 Engaging Surface (11 Levers)
- Function Levers

(Left Side View)
2. 23 Stripper Blade Mechanism

(Rear View)

O2  Engaging Surface  Line Feed Stripper Slide

O2  Guide Surfaces  Stripper Slide
     (2 Places)

G  Engaging Surfaces  Stripper Blade
     (Each End)

G  Engaging Surfaces  Stripper Blade
     (2 Places)

O2  Engaging Surface  Stripper Bail

(Left Side View)

O2  Bearing Surfaces  Cam Arms
     (2 Bearings)

G  Engaging Surfaces  Contact Arm
     (Each Arm)

G  Engaging Surfaces  Cam Arms
     (2 Arms)

SAT  Felt Washers  Driving Cam
     (4 Washers)

O2  Guide Slots  Stripper Blade
     (Each End)

G  Camming Surfaces  Driving Cam
     (2 Cams)

SAT  Felt Washer  Stripper Blade
     Driving Arm
2.24 Ribbon Reverse Mechanism

- O2 Bearing Surface
- G Teeth
- Detent Link
- Ribbon Reverse Spur Gear

(Right Rear View)

2.25 Function Rocker Shaft Mechanism

- SAT Felt Washer
- O2 Guide Surface
- Space Suppression Ball

- SAT Guide Surface
- SAT Felt Washers (2 Washers)
- Carriage Return Slide Arm

- SAT Felt Washers (2 Washers)
- SAT Felt Washers (2 Washers)
- Function Rocker Shaft

- SAT Felt Washers (2 Washers)
- Function Rocker Shaft
- Function Bail Toggle Link

- SAT Felt Washers
- Function Bail
- Function Cam Roller

- O3 Roller Bearing (Opposite Side)
- Function Cam Roller

(Left Rear View)
2.26 Function Reset Bail Mechanism

(O1) Hooks (Each End) (2 Springs)
(SAT) Felt Wicks (2 Springs)
(SAT) Felt Washers (2 Bearings)
(O2) Bearings (3 Rollers)
(SAT) Felt Washer (Each End)
(O3) Bearing Bushing (Each End)
(SAT) Felt Washer (2 Pivots)
(G) Engaging Surface
(SAT) Felt Washer

Note: See 2.38 for photograph of the location of this mechanism.
2.27 Spacing and Drive Area

(Bottom Front View)
2.28 Spacing Drum Mechanism

(Front View)

2.29 Dashpot Mechanism

(Right Front View)
2.30 Carriage Return Mechanism

![Diagram of Carriage Return Mechanism]

- SAT
- O2
- G
- O2
- SAT

(Front View)

- Felt Oiler
- Between Layers
- Cam Disc Surface
- Bearing (Outer and Inner End)
- Felt Washer
- Hooks (Each End)
- Felt Wick
- Bearing Surface
- Felt Oiler
- Bearing Surface
- Cable Grooves (2 Places)

- Printing Track Guide
- Carriage Return Spring
- Margin Indicator Cam Disc
- Carriage Return Spring Drum Shaft
- Carriage Return Spring Drum Shaft
- Spring
- Spring Wick
- Tension Pulley Ball
- Main Ball
- Pulley
- Carriage Return Spring Drum

2.31 Spacing Drum Feed Mechanism

![Diagram of Spacing Drum Feed Mechanism]

- O2
- O2
- O2
- O1

(Front View)

- Engaging Surfaces (2 Places)
- Bearing Surface
- Hooks (Each End)
- Engaging Surface
- Bearing Surfaces (2 Places)
- Hooks (Each End)

- Automatic Carriage Return Bellcrank
- Automatic Carriage Return Bellcrank
- Spring
- Spacing Drum Feed Pawl Release Link
- Spacing Drum Feed Pawl Release Link
- Spring
2.32 Track Guide Mechanism

SAT Felt Oiler Printing Track Guide

(Right Front View)

2.33 Horizontal Positioning Mechanism

SAT Felt Washer Horizontal Reversing Slide
O2 Engaging Surface Horizontal Reversing Slide Shift Lever
Detent (2 Detents) Detent Bail
O2 Engaging Surface Horizontal Reversing Slide Shift Lever
Felt Washers (2 Washers) Oscillating Rail Shift Slide
O2 Bearing Surface Horizontal Reversing Slide Shift Lever
SAT Felt Washers Oscillating Rail (2 Washers)
O2 Engaging Surfaces (2 Places) Horizontal Reversing Slide Bracket
SAT Felt Washers (2 Washers) Oscillating Rail Shift Slide

(Right Front View)

(Left Front View)
2.34 Horizontal Positioning Mechanism (continued)

Hooks (Each End)  Spring
Felt Washer      Codebar Bellcrank
Engaging Surfaces (3 Slides)  Horizontal Motion Stop Slides

(Top View)

Engaging Surfaces (2 Slides)  Shift Shock Absorber Slides
Hooks (Each End)      Shock Absorber Spring
Engaging Surfaces (2 Slides)  Decelerating Slides
Engaging Surfaces (2 Slides)  Shift Slide Driver Links
Bearing Surfaces (4 Places)  Shift Slide Driver Links
Felt Washers (5 Washers)  Shift Slide Driver Links

(Front View)

Guiding Surface  Horizontal Positioning Locklever
Bearing Surface  Horizontal Locklever Arm Roller
Felt Wick       Spring Wick
Hooks (Each End)  Spring
Felt Washer      Horizontal Positioning Locklever

(Front View)
2.35 Horizontal Positioning Drive Mechanism

- Engaging Surfaces (Tops and Bottoms)
- Guiding Surfaces (2 Slides)
- Felt Washers (2 Washers)
- Bearing Surfaces (2 Places)

2.36 Shift Mechanism

- Felt Washer
- Bearing Surfaces (2 Places)

(Images of Front, Right, and Left Side Views)
2.3 Oscillating Mechanism

SAT  Felt Washers  Pulleys
O2  Pivot Point  Oscillating Rail Slide

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SAT  Felt Washer  Oscillating Rail Guide Arm
O2  Bearing Surface (3 Places)  Oscillating Rail Shift Link
O2  Bearing Surface  Oscillating Rail
SAT  Felt Washers (3 Washers)  Pulleys
SAT  Felt Washer  Oscillating Rail Guide Arm

(Left Front View)

(Right Front View)
SECTION 574-220-701TC

2.38 Main Shaft Area

(Bottom View)

2.39 Main Shaft (Clutches, Gears, etc)

(Bottom View)
2.40 Main Shaft (Clutches, Gears, etc) (continued)

(Bottom View)

SAT  Felt Washers  
     (2 Washers)  Eccentric  
             Follower Arm  
             Bearing  

SAT  Internal Mechanism  
     and Felt Wicks (3 Clutches)  Clutch Assembly  

O2  Bearing Surfaces (2 Cams)  Eccentric  
     Follower Arm  
     Cams  

O2  Ball Bearing  Main Shaft Bearing  

O2  Bearing Surfaces (3 Clutches)  Clutch Sleeve  

O2  Camming Surfaces (4 Discs)  Clutch Disc  

G  Camming Surface  Cam  

2.41 Selector Cam Clutch Assembly

(Front View)

SAT  Felt Washer  Selector Cam  
     Assembly  

O2  Camming Surface  Clutch Disc  

SAT  Internal Mechanism  Selector Clutch  

O2  Camming Surfaces (Each Cam)  Selector Cam  

2.42 Trip Shaft Mechanism

(Bottom View)

O2  Engaging Surfaces (5 Levers)  Clutch Trip  
     Lever  

O2  Engaging Surfaces (5 Levers)  Clutch Latch- 
     lever  

O1  Hooks (Each End) (9 Springs)  Springs  

SAT  Felt Washer  Cam Follower  
     and Wick  Arm Roller  

SAT  Felt Washer  Cam Follower  
     (16 Washers)  Arm  

O2  Bearing Surface  Clutch Trip  

   Lever Shaft
2.43 Spacing Clutch Trip Cam Mechanism

(Right Side View)

2.44 Spacing Mechanism

(Left Side View)

(Bottom View)
2.45 Spacing Mechanism (continued)

(Right Side View)

2.46 Shift Selector Mechanism

(Bottom Left View)
2.47 Shift Selector Mechanism (continued)

- SAT Felt Wick
- O1 Hooks (Each End) Spring
- SAT Felt Washers (2 Washers) Shift Selector Arm Bell-crank

2.48 Line Feed Area

- O2 Engaging Surfaces (3 Places) Shift Pawl
- O2 Guide Surface Shift Pawl Link
- O2 Pivots (2 Places) Shift Pawl
- SAT Felt Washer Shift Pawl

Page 32
2.49 Line Feed Mechanism (Friction Feed)

(Right Rear View)
2.50 Single-Double Line Feed Mechanism

(O2) Pivot
(O2) Engaging Surface
(O2) Guide Surfaces (2 Places)
(SAT) Felt Washer
(O2) Engaging Surfaces (4 Surfaces)
(O2) Coils
(O1) Hooks (Each End)

Single-Double Line Feed Lever
Operating Arm
Operating Arm
Operating Arm
Stripper Bail
Stripper Bail
Torsion Spring
Spring
Spring

(Left Side View)
Figure 3 - 35 Typing Unit (Sprocket Feed)
2.51 Line Feed Mechanism (Sprocket Feed)

O1 Bearing Surface
Teeth
Bearing Surface
Teeth
Bearing Surfaces (2 Places)
Hooks (Each End)

O2

G

Handwheel Gear
Handwheel Gear
Platen Detent Bail
Idler Gear
Idler Gear
Platen Gear
Platen Gear

(Right Side View)

2.52 Sprocket Feed Paper Mechanism

O1 Hooks (Each End)
Pivot
Pivots (2 Places)
Hooks (Each End)
Pack Pin and Spring Cavaties (22 Places)
Light Coat
Do Not Pack With Grease

O2

G

Spring
Guide Bracket Latch
Guide Bracket Shaft
Spring
Sprocket With Steel Pins
Sprocket With Delrin Pins

(Pack Pin and Spring Cavaties (22 Places)

(Right Side View)
3. VARIABLE FEATURES

3.01 Typing Unit (Sprocket Feed)

3.02 Horizontal Tabulator Area

(Left Front View)

(Bottom View)
3.03 Horizontal Tabulator — Blocking Lever

- Engaging Surface
- Tabulator Stops
- Engaging Surface
- Tabulator Pawl

(Front View)

- O2
- O2
- O1
- Hooks (Each End)
- Sprung (Each End)
- 2 Springs
- Bearing Surface
- Blocking Lever

3.04 Horizontal Tabulator — Slide Arm

- Bearing Surface
- Operating Lever Extension Link
- Hook (Each End)
- Spring
- Engaging Surfaces
- Operating Lever Extension Link
- 2 Places

(Bottom View)

- O2
- O1
- O2
- Bearing Surface
- Operating Lever Extension Link
- Hook (Each End)
- Spring
- Engaging Surfaces
- Operating Lever Extension Link
- 2 Places

3.05 Horizontal Tabulator — Operating Lever

- Bearing Surfaces
- Operating Lever
- 2 Places

- Contacting Surface
- Operating Lever
- With Adjusting Plate
- Trip Lever Arm
- Bearing Surface
- Latch Ball

(Left Bottom View)

Page 38
3.06 Horizontal Tabulator — Latch Bail

(Left Side View)

3.07 Horizontal Tabulator — Operating Lever (continued)

(Right Side View)

3.08 Horizontal Tabulator — Intermediate Bail

(Left Side View)
SECTION 574-220-701TC

3.09 Horizontal Tabulator — Bail Extension Arm

(Bottom View)

3.10 Spacing Cut-Out Transfer Bail

(Right Side View)

3.11 Print-Nonprint Solenoid Mechanism

(Left Side View)

Note: Do not oil the cylindrical surface or pole face of solenoid plunger.
3.12 Vertical Tabulator and Transmitter Distributor Control Mechanism

- Gear
- Gear
- Form Start
- Idler
- Hooks (Each End)
- Spring
- Handwheel
- Bearing
- Pivot
- Adjustable Arm
- Hooks (Each End)
- (2 Springs)
- Springs
- (Left Side View)
- Slides (2)
- Form-Out and Vertical Tab
- Adjustable Arm and Blocking
- Bearing Surface
- Blocking Lever
- Pivot

Page 41
3.13 Form-Out Mechanism

- Engaging Surface
- Form-Out Bail
- Pivot
- Form-Out Bail
- Loop
- Torsion Spring
- Pivot
- Form-Out Lever
- Pivot (2 Places)
- Form-Out Solenoid Lever

Note: Do not oil plunger.

- Engaging Surface
- Solenoid Lever
- Hooks (Each End)
- Spring
- Guide Surface (2 Places)
- Nonrepeat Slide

(Left Frame Viewed From Right Rear)
3.14 Vertical Tabulator Mechanism (For Switch Network Service)

(Gear) Gear

Hooks (Each End)

Hooks (Each End)

Bearing

Pivot

Hooks (Each End) (2 Springs)

Springs

Slides (2)

Bearing Surface

Pivot

Idler

Spring

Spring

Handwheel

Form Start

Adjustable Arm

Form-Out and Vertical Tabulation

Adjustable Arm and Blocking Lever

Blocking Lever

(Left Side View)
3.15 Two Color Ribbon Shift Mechanism — Oscillating Lever

Note: Photograph reference shows general area of this mechanism and not the actual mechanism.

3.16 Two Color Ribbon Shift Mechanism — Ribbon Operating Mechanism

Note: Photograph reference shows general area of this and not the actual mechanism.
3.17 Local Backspace Mechanism

(Front View)

- Engaging Surface
- Backspace Camming Ball
- Bearing Surface
- Adjusting Plate
- Engaging Surfaces (2 Places)
- Intermediate Arm
- Hooks (Each End)
- Spring
- Bearing Surface
- Backspace Camming Ball

3.18 Paper-Out Alarm Mechanism (Friction Feed)

(Right Side View)

Note: See Figure 2 for location of this mechanism.

- SAT
- Felt Washer
- Switch Bracket
- Hooks (Each End)
- Spring
- Pivot Points (2 Places)
- Lever Bracket

(Rear View)
3.19  Low Paper and Paper-Out Alarm Mechanism (Sprocket Feed)

(Right Side View)

3.20  Keyboard Lock Mechanism

Note: Photograph reference shows general area of this mechanism and not the actual mechanism.

(Right Side View)
3.21 Paper Jam Alarm (Sprocket Feed)

(Right Side View)

- O1 Point Contact (2 Places)  Switch Buttons
- O1 Bearing Surface  Operating Lever
- O1 Pivots (Each End)  Bail
- O1 Hooks (Each End)  Spring