SAFETY PRECAUTIONS

All IBM Customer Engineers are expected to take every safety precaution possible and observe the following safety practices when servicing IBM equipment.

Mechanical Safety:
1. Safety glasses must be worn.
2. All safety devices, such as guards, shields, signs, ground wires, etc., must be restored after maintenance. When a guard or shield is removed to observe or make an adjustment, that shield must be replaced when work in the area is completed.
3. Watches, rings, necklaces, ID bracelets, etc., must be removed when servicing the machine.
4. Care must be used when working near moving parts. Keep hair away from moving parts. Avoid wearing loose clothing that might be caught in the machine. Shirt sleeves must be kept buttoned or rolled above the elbows. Ties must be tucked in the shirt or have a tie clip approximately three inches from the end. Tie chains are not recommended.

Electrical Safety:
1. The equipment referenced in this manual may use high voltages. Check voltage labels!
2. Safety glasses must be worn when checking energized circuits.
3. If a circuit is disconnected for servicing or parts replacement, it must be reconnected and tested before allowing the use of the machine.
4. Power should be removed from the machine for servicing whenever possible. Remember, when checking voltages, avoid contacting ground potential, such as metal floor strips, machine frame, etc.
5. Meter continuity checks should be used instead of voltage checks whenever possible.
6. Do not apply power to any part, component, or subassembly when it is not physically mounted in the machine, or its approved service position.

General Safety:
1. Each Customer Engineer is responsible to be certain no action on his/her part makes the product unsafe or exposes customer personnel to hazards.
2. Store the removed machine covers in a safe, out of the way place where no one can trip over them.
3. If you must leave the machine in a down condition, always install the covers and disconnect the power before leaving the customer’s office.
4. Always place CE tool kit away from walk areas where no one can trip over it.
5. Maintain safe conditions in the area of the machine while performing and after completing maintenance.
6. Before starting the equipment, make sure fellow CES and customer personnel are not in a hazardous position.
7. All the machine covers must be in place before the machine is returned to the customer.

Note: Refer to the Safety CEMs relating to this product(s) for further safety precautions.
INTRODUCTION

This manual is written for both U.S. and World Trade usage. It contains an adjustment section, a parts manual section, and a diagnostics section for the following products:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Model</th>
<th>Type</th>
<th>Machine Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>IBM “Selectric” Typewriter</td>
<td>7XX</td>
<td>6121</td>
<td></td>
</tr>
<tr>
<td>IBM “Selectric” II Typewriter</td>
<td>8XX</td>
<td>6126</td>
<td></td>
</tr>
<tr>
<td>IBM “Selectric” III Typewriter</td>
<td>670X</td>
<td>6701-05</td>
<td></td>
</tr>
<tr>
<td>IBM 96-Character “Selectric” Typewriter</td>
<td>9XX</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

World Trade Note: The IBM 96-Character “Selectric” Typewriter applies only to some World Trade countries.

ADJUSTMENT SECTION

Purpose

This section provides a reference for the most commonly used adjustments. Refer to other product service publications if additional information is needed.

Adjustment Identification

The headline of each page shows the product name identification code, product code, and the name of the mechanism covered on that page. Each adjustment is indicated by a black frame number in the top left corner, followed by the adjustment name and mechanism code/reference number. If one frame covers adjustments for more than one product or product level, they are indicated by the identification code and/or the level number. The machine mode, the view of the drawing, and safety precautions are also noted when required.

Adjustment Sequence

The frame numbers indicate the sequence of adjustments. One adjustment could affect a following adjustment. Therefore, check all the following adjustments in that mechanism. A solid red bar indicates the end of the mechanism.

Red numbers on the bottom left corner of the frame indicate adjustments out of sequence that could be affected and should be checked.

Adjustment Procedure

The part to be adjusted is colored red, and a red arrow shows the direction of movement. Tolerances and/or additional information on how to perform the adjustment are shown when required.

Always use the adjustment tolerance shown in the publication with the latest date.

Call Reporting

Use the mechanism codes/reference numbers shown after the frame number and frame name for call reporting. The reference number is not always the number of the part that is colored red.

PARTS MANUAL SECTION

Introduction

This section contains parts drawings of mechanisms, reference numbers and other special information. It must be used with a separate part number/price list manual which contains reference numbers, part numbers, part descriptions, and prices.

Mechanism Identification

The headline of each page shows the product name, identification code, and product code covered on that page. The headline of each frame (two frames per page) shows the mechanism name and the mechanism code covered in that frame. Some frames will show a model identification code after the mechanism name. Some mechanisms require more than one frame. However, each mechanism consists of a group of parts that work together to perform a function.

Part Identification

Red numbers indicate the reference number of a part, a bill of material (B/M) or an assembly.

Red blocks within a frame indicate either one, or a combination of more than one, of the following:

- Differences between the models (7XX, 8XX, 670X, or 9XX)
- Different modes within the same model [for example: rotary backspace (RB/S) and non-rotary backspace (NRB/S)]
- Different machine sizes (7X1, 7X3, or 7X5 “Selectric” Typewriter)
- Different levels within the same model, mode, or size (level 1, level 2, etc.). (8X3 and 8X5 apply to the “Selectric” Typewriter.) (XX3 and XX5 apply to the “Selectric” II Typewriter.)
- Field replacement parts
- Bill of material (B/M) or assemblies (shown with a description – parts shown in the drawing)
- World Trade applications or differences

If different levels exist, which can be used for all models, modes or sizes, only the newest level is shown in the drawing. However, the part number/price list manual will show all level parts.

(Continued: On Page 4)
# IBM "SELECTRIC" TYPEWRITER

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(Alphabetical)

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<th>ADJUSTMENTS</th>
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<td>Mech Code</td>
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<td>65.</td>
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<tr>
<td>02.</td>
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<td>23.</td>
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<td>16.</td>
<td>60.</td>
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<td>17.</td>
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<td>92.</td>
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<tr>
<td>19.</td>
<td>93.</td>
</tr>
<tr>
<td>02.</td>
<td>65.</td>
</tr>
</tbody>
</table>

### FEATURES
- 39. - 95. Cardholding Plate
- 40. - 95. Dead Key (U.S.)
- 40. - 96. Dead Key (W.T.) Thailand
- 40. - 96. Dead Key Disconnect
- 13. - 78. External Ribbon Control
- 46. - 97. Handclipped Attachments
- 49. - 99. Overhead Pin Feed Plate (W,T)
- 49. - 99. Pin Feed Plate
- 41. - 96. Shift Sensing (Dual Impression)
- 30. - 94. Sound Reduction
- 51. - 99. Stroke Counter

### BOLT DOWN PARTS AND INSTRUCTIONS
- 101. Bolt Down Instructions

### PACKING PARTS AND INSTRUCTIONS
- 65. - 102. Packing (U.S.)
- 65. - 100. Packing (W.T.)

### CHARTS
- Cardholder Chart
- Printed Cover Parts (7XX)
- Printed Covers Parts (8XX, 9XX, 670X)

*These charts are printed in the Part Number/Price List (P/N 241-5103).
Some parts are shown for assembly purposes only and do not show a reference number. Replace these parts by ordering either the assembly or a later level part.

Parts Ordering
Locate the mechanism in which the part functions by using the contents page. Note the mechanism code, find the part in the drawing, and note the reference number. Use this mechanism code/reference number to locate the part number and price in the part number/price list manual.

World Trade should use the country's procedures to find the prices.

Features and devices (MESs) or specification changes (SERs) desired by the customer must be ordered through CE management and Branch Office sales.

Replacement parts for features, devices and SERs not shown in the parts manual must also be ordered through CE management and Branch Office sales.

**COMMON ABBREVIATIONS**

The following list is provided as a reference for some of the common abbreviations used in this manual. It should be noted that some of these are new since the last revision.

- APM: Adjustment Parts Manual
- ASM: Assembly
- AVC: Automatic Velocity Control
- B/M: Bill Of Material
- CC: Cycle Clutch
- CR: Carrier Return
- CSI: Combined Service Information
- DI: Dual Impression
- DP: Dual Pitch
- ECC OT: Eccentric Index Overthrow Stop
- FI: Field Installable
- FTB: Floating Torque Bar
- g: Grams
- mm: Millimeters
- N: Newtons
- NRB/S: Non-Rotary Backspace
- PN/PL: Part Number/Price List
- Pre-DI: Pre-Dual Impression
- Pre-FTB: Pre-Floating Torque Bar
- RB/S: Rotary Backspace
- SB: Spacebar
- SER: Special Engineering Request
- SHP: Shop Manual 241-6670
- SP: Single Pitch
- TII: Technical Information Index
- TYP: Type Catalog 241-5687
- UBS: Upper Ball Socket
- U.S.: United States
- W.T.: World Trade
119 Pawl Mounting Stud (Final) (06-26)
Equal On Left And Right End At Closest Point
(NRB/S)
(RB/S)
Bottom View (Level 1)

120 Tab Torque Bar Parallel (23-50)
CH Latch Keeper Removed
Form
7X3 7X5
(Level 1)

121 Torque Bar Backstop (06-39)
0.001"-0.005" (0.03-0.13 mm)
670X XX3 XX5
(Level 1)

122 Knock-Off Pivot Pin Eccentric (06-19)
Check On Both Sides Of Cam
Touches
Level 1

123 Escapement Cam (06-7)
Low Point Machine At Rest
Escapement Should Occur Just After Print
W.T. Escapement 0.042"-0.060"
(1.00-1.50 mm)
After Print
Impression Control At S
333

124 Trip Link (06-10)
Ensure Trigger Upstop And Spacebar Motion Adjustment Are Not Controlling This Adjustment
0.007"-0.010"
(0.18-0.25 mm)

125 Trigger Knockoff (06-51)
(06-19)

(Level 1)

(Level 2)

(Level 3)
188 Pitch Cam (24-37)

(Scribe Line Lines Up With Stud In 120° (Dual Pitch Only))

189 Backspace Motion (24-26)

(.015"-.045" (.038-.114 mm))

Check 5 Backspaces.

187, 188

(Lever 1)

186 Backspace Motion (24-26)

(.030"-.040" (.076-.102 mm))

(Lever 2)

NOTE: Dual Pitch Machines Check In 10 Pitch.

Reliabia Backspace With Light Finger Pressure On Carrier

190 Backspace Latch Height (24-15)

.001"-.020" (.03-.051 mm)

(Lever 1 Only)

191 Index Interlock Link (24-16)

Vertical

192 Index Interlock Shaft (24-20)

Minimum End Play No Binds

(Lever 1)

Minimum End Play No Binds

(Lever 2)

.050"-.075" (.127-.190 mm)

(Lever 3)

193 Index Interlock Paddle (24-20)

.020"-.040" (.051-.102 mm)

(Lever 1)

194 Index Transfer Bellcrank Stop Lug (24-9)

Minimum Clearance No Binds

195 Lower Half Backspace Link (07-7)

Characters Typed Between Characters

10 Pitch Mode

.006"-.010" (.15-.25 mm)

(Rear View) (Level 1)
331 Correcting Keybutton Interlock And Lockout Bail (26-259)

- .006"-.020" (0.13-0.51 mm)
- Switch In OFF Position
- Hold Keyboard
- Locking Bail
- To Left

NOTE: Keyboard Lock Interposer
Clears Compensator Tube With
Switch In ON Position

332 Correcting Keylever Link (26-80)

Release At Same Time Or Slightly
Before Backspace
Gum Releases

333 Made Actuating Bellcrank (26-80)

Fully Operated

Form

.005"-.010" (0.13-0.25 mm)

Check Adjustment
On Spacebar And
Print Escapement
Gum Lube

125

334 Trigger Link (26-76)

Released

Form

.005"-.020" (0.13-0.51 mm)

335 Cable Guide Bracket (26-59)

Minimum

(Top View)

Form

336 Cable Guide Lug (26-71)

(Top View)

Form

Centred

337 Cardholder (26-41)

Adjust Right Side First

.020"-.030" (0.51-0.76 mm)

(Right Side View)

Form

338 Cardholder (26-41)

"V" Centered
On Vertical Lines

.002"-.005" (0.05-0.13 mm)

(Left Side View)

339 Left-Hand Ribbon Lift Guide (26-72)

Half Cycle

.190"-.210" (4.83-5.33 mm)

(Left Side View)

.030" Minimum
(0.76 mm)

(Top View)
SERVICE CALL PROCEDURE

Preventive Maintenance MUST BE PERFORMED On Each Service Call.

Each Service Call Must Include:
A. Note operator comments.
B. Identify and correct operator complaint.
C. Initial functional check — Look for parts wear, marginal adjustments, and proper lubrication.

With Special Attention To:
1. Character Selection
2. Keyboard
3. Carrier And Rocker
4. Cylindrical Gear Train
5. Operational Area
   (Carrier Return, Backspace, Tab, Spacebar, Index)
6. Shift

D. Repair, replace parts, and lubricate as necessary.
E. Perform electrical safety check.
F. When necessary, remove covers and clean.
G. All areas visible to the operator (e.g., rubber parts, cardholder, element, type, and covers) must be clean and in good repair.
H. Perform final functional check.
I. Work performed should be discussed with the operator and must be recorded on the history card.

LUBRICATION

The "Selectric" Typewriter will not operate dependably and reliably if it is not thoroughly and properly lubricated.

Use IBM No. 23 on the following:
a. Operational ratchets
b. Keylever return springs
c. Interoper latch springs
d. Ribbon lift control lever
e. Linelock bracket
f. Filter shaft Fuses
g. Operational keylever pawl guide studs
h. Tape guide
i. All cams on print sleeve
j. Ball joint
k. Cycle clutch and shift clutch springs
l. Feed roll bearing
m. Cycle clutch rectoring cam
n. Low velocity latch contacts
o. All sliding parts not excepted
p. All selective ribbon takeup gears
q. Selective ribbon lift guide sliding members
r. Correcting tape food bellcrank latch ing surface
s. Torque limiter spring
t. Element (or silicones grease)

DO NOT LUBRIFICATE:
a. Shift brake (braking surface)
b. Gear train
c. Carrier return and tab pinions
FUNCTIONAL CHECK

MISCELLANEOUS
1. Visual Inspection
2. ON/OFF Switch, Keyboard Lock
3. Margin Set
4. Margin Release
5. Liner and Ball
6. Scale and Carrier Indications
7. Switch Pitch Lever (Dual Pitch)
8. Index
9. Shift Lock
10. Margin Lights

PAPER HANDLING
1. Paper Insertion
2. Paper Lever
3. Multiple Copy Control
4. Detent Release
5. Platen Variable

CARRIER MOVEMENT (Check all items in both pitches on dual-pitch machines.)
1. Spacebar and Escapement
2. Half Backspace
3. Backspace
4. Carrier Return
5. Express Backspace
6. Tab

RIBBON OPERATION
1. Ribbon Feed
2. Ribbon Lift Pattern
3. Ribbon Path and Tracking
4. Stencil Position
5. Ribbon Reverse (Fabric Ribbon)

PRINT
1. Strike Up — Check For:
   a. Impression
   b. Selection
   c. Alignment
   d. Keyboard Touch
   e. Shift
2. Repeat Character
3. Impression Control

CORRECTING MECHANISM
1. Type several characters.
2. Depress correcting key.
   a. Carrier should backspace once.
3. Strike last character.
   a. Character removed (lift-off tape) or character covered (cover-up tape).
   b. No escape
4. Type new character.
   a. Same position as original character.
   b. Normal escapement and print should resume.
5. Repeat steps 1 through 4.
   a. No overlap of characters on correcting tape.

ELECTRICAL SAFETY CHECK
For both Per Call and Service Agreement machines, a visual or physical inspection must be made of the primary wiring on the machine during each service call.

VISUAL CHECK FOR ELECTRICAL HAZARDS
1. Line cords that have become damaged must be replaced.
2. Wires that are cut, rubbing on mechanical parts, or loose in the machine must be replaced or relocated. Use cable tie or something similar to hold loose wires.
3. Whenever a switch is operated, the machine is returned to service, it must be reinstalled when service is completed.
4. Wires connected should only be replaced with wire nuts or clips or connectors. Neither tape nor insulation should be used.
5. Inspect all line cords that pass through holes in metal doors for cuts or markings. When necessary, screws or tape should be replaced over these edges that come in contact with the line cord.
6. Check to ensure:
   a. That all double-insulation components are installed
   b. That insulation paper is properly cut to fit between electrical components and the machine frame, grounding that component to the machine frame.

CAUTION: Unplug the machine before working on electrical area.

BROKEN TAPES CHECK

Rotate Tape
1. Rotate detent clearance (skirt)
2. Print shaft timing
3. Shift interlock adjustments
4. Defective rotate arm and shift arm pulleys
5. Tape guides
6. Negative latch clearance insufficient
7. Latch links: too long/too short
8. Pulley latches
9. Latch angle
10. Broken or sticking rotate spring
11. Binding on non-greased type element
12. Shift arm pulley
13. Chips or defects in rotate pulleys
14. Rotate pulley key
15. Loose screw in differential bracket

Tilt Tape
1. Detent to tilt ring clearance
2. Bumps on tilt pulleys
3. Binding in tilt ring
4. Sector gear
5. Print shaft timing
6. Tilt pulley spring (off or broken)
7. Loose detent follower
8. Tilt tape/carrier shoe eccentric stud
### Type Element Arrangements, Ribbon Applications

#### Standard U.S. Type Elements 7XX, 8XX

<table>
<thead>
<tr>
<th>Type Element</th>
<th>Tilt Latch Used</th>
<th>Rotate</th>
<th>Type Element Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T0</td>
<td>R-1 R-4 R-3 R-2 R-1 R-3 R-4 R-5 R-3 R-7 R-5 R-7 R-9 R-5 R-7 R-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1</td>
<td>R-1 R-2 R-3 R-4 R-5 R-2 R-3 R-4 R-5 R-9 R-3 R-9 R-4 R-7 R-8 R-9 R-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T2</td>
<td>R-1 R-2 R-3 R-4 R-5 R-6 R-2 R-3 R-4 R-5 R-7 R-8 R-9 R-4 R-2 R-3 R-4 R-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1, T2</td>
<td>R-1 R-2 R-3 R-4 R-5 R-6 R-2 R-3 R-4 R-5 R-7 R-8 R-9 R-4 R-2 R-3 R-4 R-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Standard U.S. 90 Type Elements

<table>
<thead>
<tr>
<th>Type Element</th>
<th>Tilt Latch Used</th>
<th>Rotate</th>
<th>Type Element Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T0</td>
<td>R-1 R-4 R-3 R-2 R-1 R-3 R-4 R-5 R-3 R-7 R-5 R-7 R-9 R-5 R-7 R-9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1</td>
<td>R-1 R-2 R-3 R-4 R-5 R-2 R-3 R-4 R-5 R-9 R-3 R-9 R-4 R-7 R-8 R-9 R-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T2</td>
<td>R-1 R-2 R-3 R-4 R-5 R-6 R-2 R-3 R-4 R-5 R-7 R-8 R-9 R-4 R-2 R-3 R-4 R-5</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T1, T2</td>
<td>R-1 R-2 R-3 R-4 R-5 R-6 R-2 R-3 R-4 R-5 R-7 R-8 R-9 R-4 R-2 R-3 R-4 R-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Fill in for Other Type Elements 7XX, 8XX

<table>
<thead>
<tr>
<th>Type Element</th>
<th>Tilt Latch Used</th>
<th>Rotate</th>
<th>Type Element Positions</th>
</tr>
</thead>
<tbody>
<tr>
<td>T1</td>
<td>R-1 R-2 R-3 R-4 R-5 R-2 R-3 R-4 R-5 R-9 R-3 R-9 R-4 R-7 R-8 R-9 R-2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T2</td>
<td>R-1 R-2 R-3 R-4 R-5 R-6 R-2 R-3 R-4 R-5 R-7 R-8 R-9 R-4 R-2 R-3 R-4 R-5</td>
<td></td>
<td></td>
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<tr>
<td>T1, T2</td>
<td>R-1 R-2 R-3 R-4 R-5 R-6 R-2 R-3 R-4 R-5 R-7 R-8 R-9 R-4 R-2 R-3 R-4 R-5</td>
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<tr>
<td>T3</td>
<td>R-1 R-2 R-3 R-4 R-5 R-6 R-2 R-3 R-4 R-5 R-7 R-8 R-9 R-4 R-2 R-3 R-4 R-5</td>
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</table>

### Applications Recommendations for IBM Ribbons

#### Typing Applications

- Correspondence
- Statistical Correspondence
- Specification Writing
- Medical Reports
- Executive Correspondence
- Routine Correspondence
- Typing on Hard-to-Image Originals
- Engineering Drawings
- Optical Character Recognition
- Molding
- Speech Writing
- Negotiable Instruments
- (Checks, Stocks, etc.)
- Etchable Bond Papers

#### Reproduction Applications

- Heat Transfer Copying
- Transfer Electromechanical Reproduction
- Direct Electromechanical Reproduction
- Offset Masters (Direct to Plate)
- Offset Masters (Copolymer Process)
- Offset Masters (Photo Process)
- Stencil Writing ( Mimeograph)
- Diapositive (Ozalid or Bruning)
- Spirit Duplication

### Notes

- The reactivity of the surface of these materials vary widely and care must be used in the selection of a specific material, typeface and ribbon to produce the best result. When in doubt, let the customer try it first.
- Best results with Orator element are obtained by using IBM Tech III Ribbon.
CAUTION
115 VAC may be present.

LINECORD VOLTAGE CHECK
1. Make sure the linecord is properly connected.
2. Connect the VOM to the ON/OFF switch.
3. If 115 VAC is not present, check the following:
   a. Proper voltage at the power outlet
   b. Linecord

CAUTION
115 VAC may be present.

SWITCH VOLTAGE CHECK
1. Connect the VOM to the solderless connector at the points shown.
2. If 115 VAC is not present, check the following:
   a. ON/OFF switch
   b. Solderless connector
TRANSFORMER VOLTAGE CHECK
1. Connect a VOM to the anchor point and the O/P of the lamp selector switch.
2. If 2.3 to 3.0 VAC is not present, check the following:
   a. Solderless connector
   b. Transformer

12 PITCH VOLTAGE CHECK
1. Connect a VOM to the anchor point and to the N/O connector.
2. If 2.3 to 3.0 VAC is not present, check the following:
   a. Lamp selector switch
   b. 12-pitch lamp
   c. 12-pitch lamp wires

10 PITCH VOLTAGE CHECK
1. Connect a VOM to the anchor point and to the N/C connector.
2. If 2.3 to 3.0 VAC is not present, check the following:
   a. Lamp selector switch
   b. 10-pitch lamp wires
   c. 10-pitch lamp
Backspace
(NR B/S)

Predual Impression Machines
This stud, P/N 1124176, is used as a replacement part on all machines not equipped with dual impression which have the original "non-faced" carriers.

(Part No.)

Early Dual Impression Machines
This stud, P/N 1175054, must be used on the early dual impression machines. The follower, P/N 1141619, must also be replaced to ensure compatibility. This procedure is necessary because the early DI carriers were "non-faced." Note: Use washer, P/N 1164200, to reduce side play.

(Part No.)

Current Level Machines
This stud, P/N 1164878 and nut, P/N 6503, can be used on all dual impression carriers that are "faced." It must be used with the new print cam follower, P/N 1141619.

(Part No.)

WORLD TRADE PACKING INSTRUCTIONS

1. Position the carrier against the left-hand side frame of the machine.
2. Unplug the linecord. Put the machine in lower case and trip position no. 3 (E-02) keylever. Put On/Off switch in off position.
3. Place the linecord around left-hand platen knob. Secure it with a rubber band (ref. 140).
4. For 670X typewriter ("Selectric" III), place the foam (ref. 139) between the page-end indicator and the top cover. Secure the page-end indicator by placing a rubber band (ref. 140) over the page-end indicator, under the acoustical filter hood and paper bail shaft, and back over the page-end indicator.
5. Place the spacers (ref. 134) in the shipping tray (ref. 135).
6. Place the machine on shipping tray (ref. 135).
7. Fit the shipping screws (ref. 136) in each mounting hole in the bottom of the power frame.
8. Place the machine and shipping tray into the typewriter box (ref. 137).
9. Place the left-hand top blocks (ref. 138) and the right-hand top blocks (ref. 133) in the locked position on the platen shaft and top/center cover as shown.
10. Place the liner (ref. 132) over the machine within the corner foam blocks of the shipping tray (ref. 135).
11. Place the top plate (ref. 131) with the supply area folded into the liner (ref. 132) at the keyboard side of the machine.
12. All supplies must be placed in the supply area of the top plate (ref. 131).
13. The unpacking instruction (ref. 130) must be placed unfolded on top of the top plate (ref. 131). Do NOT place anything else on the unpacking instruction.
14. For machines with an acoustical filter hood, lay the noise reduction pad between the liner and the box.
15. For ocean freight, add four bags of silica gel (ref. 121) and a polybag.
16. Close the box (ref. 137) and seal the lid with heavy-duty packing tape (P/N 8199660).
BOLT DOWN INSTRUCTIONS

BOLT DOWN INSTRUCTIONS – DROP CENTER DESKS
1. Install four mounting feet – P/N 1128485 for “Selectric” Typewriters or P/N 1205981 for “Selectric II and III Typewriters or Correcting “Selectric” II and III Typewriters – to power frame.
2. Place a small amount of grease on the feet just around the outside of the threaded holes.
3. Set typewriter down in the correct position on the desk. Lift typewriter off the desk. The position of the holes to be made can now easily be seen.
4. Use a drill to make four holes and bolt machine to desk. See C-D Catalog, Code 204, Ref. 67 for mounting bolts.
5. Warning: The two front bolts must have some clearance between the bolt heads and the desk bottom. They must not pull down on the feet or the power frame may twist. The two rear feet may be tightened.

COVER BOLT DOWN
1. Remove machine from covers.
2. Place bottom cover in correct position on desk.
3. With a cover adapter in each of the two center holes of the bottom cover, mark where to drill the hole. On the “Selectric” II Typewriter, use spacer between adapter and bottom cover.
4. Use proper length of bolt and fasten the bottom cover to the desk. To find out which bolt to use, add 1/2" (12.70 mm) to the thickness of the desk.

CAUTION
Bolting a machine down by other than these procedures can cause an electrical safety hazard or machine failure. An excessively long bolt could interfere with the motor windings or other inner mechanisms of the machine.
PACKING INSTRUCTIONS
1. Position the carrier all the way to the right, latch out tab and attach Minnesota Mining Y-9035 or similar tape as shown in Mech. 765.
2. Place Minnesota Mining Y-9035 or similar tape on top cover as shown.
3. Place four rubber grommets under the bottom of the typewriter case as shown.
4. Use wing nut screws to mount the pallet to the machine.
5. Place hair pad in bottom of the box and insert machine.
6. Place liner around the machine and place cord to the back of the liner with Minnesota Mining Y-9035 or similar tape.
7. Insert chipboard tray as shown and seal the carton with tape.
Warning: Do not excessively tighten the front right-hand wing nut screw.

UNPACKING INSTRUCTIONS
1. Open carton by pulling tear tape completely around four sides. Remove top part of the box. Remove top cardboard chipboard tray. Lift out liner by moving the sides away from the platen knobs and lift machine out of the tray.
2. Tilt machine and pallet so the machine rests on the back cover.
3. Remove the four thumb screws. These can normally be turned by hand, but, if necessary, use a pencil as an additional lever.
4. Remove pallet board and plastic spacers.
5. Remove rubber grommets from the five mounting holes in the machine bottom cover (seven on the 7X5 and 8X5).
6. Install the four nylon spacers found in the plastic accessory bag into four of the mounting holes from which the thumb screws were removed.
7. Set the machine down and remove the tape, holding the top cover and the type carrier.
8. The machine is now ready for preinstallation checkout.

APPROXIMATE MACHINE AND CARTON WEIGHT AND SIZE
7X1 — Size 14" (355.6 mm) Deep, 15" (381.0 mm) Wide
7X5, 8X5 — Size 14" (355.6 mm) Deep, 20" (508.0 mm) Wide
<table>
<thead>
<tr>
<th>Model</th>
<th>7X1</th>
<th>7X3, 8X3</th>
<th>7X5, 8X5</th>
<th>Carton 7X1</th>
<th>Cartons 7X5, 8X5, 670X</th>
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<tbody>
<tr>
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<td>37</td>
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<td>(lbs.)</td>
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<td></td>
<td></td>
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<td>(kg)</td>
<td>14.5</td>
<td>16.5</td>
<td>17.5</td>
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1. Attach this insert on last page of APM S241-5939-3.
2. Shaded parts are unique to Ribbon Cassette Mechanism.

Tape Deflector—Adjust the deflector against the tilt ring.
### MACHINE IDENTIFICATION CODES

#### "SELECTRIC" TYPEWRITER – MACHINE TYPE 6121

<table>
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<th>1st Digit</th>
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<td>2</td>
<td>Fabric Ribbon</td>
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<tbody>
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<tr>
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#### "SELECTRIC" II AND CORRECTING "SELECTRIC" II TYPEWRITERS – MACHINE TYPE 6126

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<tr>
<td>4</td>
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<tr>
<td>5</td>
<td>Single-Pitch Correcting &quot;Selectric&quot; Typewriter</td>
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<td>Dual-Pitch Selective Ribbon</td>
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<td>8</td>
<td>Dual-Pitch Fabric Ribbon</td>
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<td>Dual-Pitch Correcting &quot;Selectric&quot; Typewriter</td>
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#### "SELECTRIC" III AND CORRECTING "SELECTRIC" III TYPEWRITERS – PRODUCT CODE 27

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### 96-CHARACTER "SELECTRIC" TYPEWRITER

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