

# **SPARE PARTS LIST**

## **for 'Monotype' Standard and Duplex Keyboards**

Comprising illustrations of  
Sections and Component Parts with  
their names and symbols

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*Registered Trade Marks:* Monotype and Monophoto

## KEYBOARD PARTS BOOK

### **Key Transfer Facilities**

Please insert these pages in the appropriate positions in your Parts Book

This is an interim measure to make available the information which will eventually be incorporated in the existing white pages when the book is next reprinted

At such time alphabetical and numerical indices will also be up-dated

## INTRODUCTION

### A careful reading is most important

You will save time and money and avoid inconvenience when ordering parts

#### To keep this book up-to-date:

1. Insert the revised and additional sheets which will be supplied from time-to-time. (The revised sheets will retain the original plate number together with the date of the revision.)
2. Destroy the replaced sheets to avoid referring to out-of-date information.

#### Ordering of parts:

To enable us to complete orders correctly you must give us the following information:

1. The complete name of the part.
2. The symbol of the part, using lower-case letters, capitals and figures as printed.
3. The quantity required of each part.
4. Serial number of the machine.

#### Example:

NAME	SYMBOL	QUANTITY	MACHINE NO.
Air Supply Hose Clip	b1KC10	(4)	24915

#### Contents of this book

This book contains a complete record of all standard parts for Standard Keyboards numbered 22301 and over, Duplex Keyboards numbered 0179 and over, Attachments that can be applied, and accessories: also of superseded parts which may still be in use.

All attachments are complete sections for extending the scope of the Keyboards or for meeting special conditions.

Certain parts require to be fitted by our Workshops, but where customers possess their own facilities for fitting, these parts can be supplied direct. Footnote references to these parts are given at the foot of the group in which they appear.

#### How the Symbols are constructed

The central capital letter indicates a particular section of the machine; the number preceding the capital letter indicates the number of the group in that section; the number following the capital letter indicates a definite part in that group. If a lower-case letter precedes the first figure in the symbol (for example d1KA1) it indicates there have been modifications in the construction of that sub-section; the improved sub-section may not be interchangeable with the superseded section unless changes or alterations are made in other parts.

If the capital 'K' is repeated at the end of the symbol (for example: 17KB1K) it indicates a main part that can only be supplied with certain components assembled with the main part; in such cases a reference mark is given (such as \*, †, etc.), and a note at the foot of the group gives details of the parts which will be supplied, and which comprise the complete assembly. When the contraction 'assd.' (assembled) follows a symbol (for example: d27KB5 assd.) it indicates that the part, assembled with one or more parts, may be ordered under that symbol alone. A reference mark (such as \*, †, etc.) referring to a note at the foot of the group gives details of the assembly. If a lower-case 'r' is used as a suffix to the symbol a repair part is indicated, and if in addition to the 'r' a number is used – for example 28KC1r1 – the grade of repair is indicated.

When a capital 'X' is the first character of a symbol (for example X2KA) it indicates that a complete group may be ordered under that symbol alone; in which case the component parts of such group will be supplied.

Where reference marks are applied (such as \*, †, etc.), always refer to the corresponding footnote before ordering such parts.

#### Symbols:

**KB** The capital letter (but not capital X), indicates a main section of the machine.

**29KB** The figure(s) preceding the capital letter indicates a group of parts of a main section (1st group, 2nd group, etc.).

**29KB2** The figure(s) following the capital letter (but not capital X), indicates a definite part of a group.

**e29KB1K** The repetition of the capital letter indicates that the part is supplied assembled with other parts.

**a29KB3** A lower-case letter prefix indicates an improvement in design of a part or of a group. These improvements are indicated in alphabetical order.

**d27KB5 assd.** When the contraction 'assd.' (assembled) follows a symbol it indicates that the part, assembled with one or more other parts, may be ordered under that symbol alone.

**Xb29KB** A prefixed capital 'X' indicates a complete group of parts forming a complete sub-section or part of sub-section.

**a29KB3r1** A number at the end of a symbol following a lower-case 'r' indicates a part which may be applied to provide for wear (such as a Unit Rack Slide Shoe).

**A** Actuating Lever  
Actuating Pawl  
Actuating Valve  
Air Control Valve  
Air Filter  
Air Filter and Reducing Valve Attachment  
Air Filter Attachment  
Air Filter, Reducing Valve and Lubricator Attachment  
Air Lubricator  
Air Pipe  
Air Supply Hose  
Attachment Plug

**B** Base  
Base Standard  
Bell  
Bell Hammer  
Bell Trip Lever

**C** Cable  
Cable Connector  
Character Delete Attachment  
Combination 'Set' Em Scale  
Combined Spacing Attachment  
Continuous Delete Attachment  
Copy Bracket  
Copy Holder  
Copy Holder Attachment, 20"  
Copy Holder, (for Book)  
Copy Holder (Book) Attachment  
Copy Hook  
Copy Hook Ring Screw  
Copy Lamp  
Copy Lamp Cable  
Copy Lamp Cable Tube Post  
Copy Lamp Tube Post Clamp  
Copy Light Attachment  
Cover, for Machines  
Cut-out Resistance Lamp

**D** Detent Pawl  
Double Exposure Attachment

**E** Em Rack  
Em Rack Slide  
Em Rack Stop  
Em Rack Stop Rack  
Em Rack Stop Rack Adjusting Screw  
Em Scale  
Em Scale Marker, Tabular Matter  
Em Scale Marker (Tabular Matter) Attachment  
Extended Matrix-case (15 x 17 rows) Attachment

**F** Folding Type Scale (Steel)

**I** Illuminator  
Illuminator Arm Stud  
Illuminator Lamp  
Indicator

**J** Junction Box  
Justified Letter Spacing Attachment  
Justifying Scale  
Justifying Scale Driving Rack  
Justifying Scale Gear  
Justifying Scale Illuminator Attachment  
Justifying Scale Pinion  
Justifying Scale Pointer  
Justifying Scale Pointer Detent Pawl  
Justifying Scale Pointer Lifting Pawl  
Justifying Scale Pointer Operating Lever  
Justifying Scale Pointer Pawl Spring Post  
Justifying Scale Pointer Rack Guide Plate  
Justifying Space Cut-out  
Justifying Space Cut-out Support

**K** Keybank, left  
Keybank, right  
Keybar, left bank  
Keybar, right bank  
Keybutton  
Keystroke Clip  
Keystroke Counter  
Keystroke Counter Attachment

**L** Lamp Bracket  
Lamp Socket  
Line Coupler  
Lock Switch Valve  
Lock Switch Valve Body Screw

**N** Nameplate  
Ninety Em Scale Attachment  
Note-Pad Holder  
Note-Pad Holder Attachment

**O** One Unit Space ('Monophoto' Filmsetter) Attachment  
Operating Lever  
Operating Rod

**P** Paper Feed Lock  
Paper Feed Pawl Lever  
Paper Feed Pawl Ring  
Paper Feed Piston Link  
Paper Feed Ratchet Detent  
Paper Feed Ratchet Pawl, driving  
Paper Feed Ratchet Pawl, stop  
Paper Feed Release Plate  
Paper Feed Release Plate Link Bracket  
Paper Feed Rod  
Paper Feed Valve  
Paper Feed Valve Bracket  
Paper Feed Valve Cam  
Paper Feed Wheel  
Paper Guide  
Paper Punchings Remover  
Paper Reader and Type Body Measure Scale  
Paper Shaft  
Paper Spool  
Paper Spool Guide  
Paper Spool Shaft  
Paper Spool Shaft Bearing  
Paper Tension Rod  
Paper Tower  
Paper Tower Cover, front  
Paper Tower Cover, rear  
Paper Wind Lever  
Paper Wind Ratchet  
Paper Wind Ratchet Detent  
Paper Wind Ratchet Pawl  
Pipe  
Piston

**P** Piston Block  
Piston Block Base  
Piston Block Base Screw  
Piston Bracket  
Piston Lever  
Plastic Cover, for Keyboard Layout  
Plug Socket  
Plug Socket Bracket  
Punch  
Punch Bar  
Punch Bar Lever  
Punch Bar Lifting Arm  
Punch Bar Rocking Lever  
Punch Bar Separator  
Punch Lock Cylinder  
Punch Lock Cylinder Screw

**Q** Quadding and Centring Attachment

**R** Reading Device  
Reducing Valve  
Release Pawl  
Restoring Rocker Arm

6KA  
7KA  
8KA  
9KA  
44KA  
90KC  
33KU

70KB  
71KB  
23KB  
43KC  
55KC

1KA, 950KB  
3KU  
48KA  
38KU  
48KU  
83KC  
77KB, 92KC

82KC  
23C  
3KC  
4KC  
55KC  
58C  
7KC  
88C  
255C  
98C  
108C  
118C  
12KC  
138C  
458C  
488C  
48C  
14KC  
158C  
468C  
168C  
178C  
978C  
188C  
208C  
198C  
218C  
328C  
238C  
248C  
888C, 27KC, 888C  
288C  
298C  
30KC, 568C  
588C  
908B  
318C  
128T  
888B, 898B  
908B, 918B  
328C  
338C  
348C  
778B, 938C  
868C  
358C  
578B  
608C, 618C

31KU  
48KA  
48KA  
38KU  
48KU  
83KC  
77KB, 92KC  
82KC  
23C  
3KC  
4KC  
55KC  
58C  
7KC  
88C  
255C  
98C  
108C  
118C  
12KC  
138C  
458C  
488C  
48C  
14KC  
158C  
468C  
168C  
178C  
978C  
188C  
208C  
198C  
218C  
328C  
238C  
248C  
888C, 27KC, 888C  
288C  
298C  
30KC, 568C  
588C  
908B  
318C  
128T  
888B, 898B  
908B, 918B  
328C  
338C  
348C  
778B, 938C  
868C  
358C  
578B  
608C, 618C

# ALPHABETICAL INDEX

Retaining Spring 97KB  
Reversing Valve 36KC  
Reversing Valve Bracket 37KC  
Rock Shaft 11KA, 778B  
Rock Shaft Bracket 12KA

**S** Screwdriver 2KT  
Shaft 37KB  
Signal Lamp 758B  
Stop Disc 598B  
Stop Pawl 548B  
Support 958C  
Switch 89KC, 998C  
Switch Box 638B  
Switch Box Screw 648B  
Switch Knife 658B

**T** Tabulating Attachment 14KU  
Tension Arm Connecting Rod 388C  
Tension Arm Connecting Rod Lever 398C  
Tension Arm Piston Rod 408C  
Three Unit Minimum Attachment 108LU  
Tonic-Sol-Fa (20-Unit) Attachment 17KU  
Trip Pawl 558B  
Twenty-inch Copy Holder Attachment 28KU  
Two-Colour Attachment 40KU  
Type Scale 11KT

**U** Unit Adding Attachment 88KU  
Unit Dial 78B  
Unit Distance Piece 948B  
Unit Indicator 258B  
Unit Pointer 988B  
Unit Rack 268B  
Unit Rack Abutment 278B  
Unit Rack Abutment Adjusting Stud 288B  
Unit Rack Lever 328B  
Unit Rack Lever Spring 748B  
Unit Rack Slide 298B  
Unit Rack Slide Abutment 308B  
Unit Rack Stop 318C  
Unit Rack Stop Bar 328B  
Unit Rack Stop Guide 338B  
Unit Rack Stop Guide Abutment 348B  
Unit Rack Stop Guide Bracket 768B  
Unit Stop 778B  
Unit Value Indicator 878B  
Unit Wheel 358C  
Unit Wheel Driving Cylinder 368B  
Unit Wheel Driving Rack 378B  
Unit Wheel Pawl 388B  
Unit Wheel Pawl Adjusting Bar 398B  
Unit Wheel Pawl Latch Spring 408B  
Unit Wheel Pawl Spring 418B  
Unit Wheel Pawl Spring Post 428B  
Unit Wheel Pawl Stud 438B  
Unit Wheel Positioner 488B  
Unit Wheel Positioner Attachment 18LU  
Unit Wheel Standard 468B  
Unit Wheel Stop 938B

**V** Valve Bank 41KC  
Valve Bank Air Filter Vent Pipe 42KC  
Valve Bar 13KA  
Valve Returning Rock Shaft 14KA

**W** Wax Pencil 8KT  
Wrench 1KT

# SYMBOL INDEX

## SYMBOL PLATE DESCRIPTION

KA Section	
1KA	1 Base
1KA	1 Base Standard
3KA	3 Copy Bracket
4KA	3 Copy Holder
5KA	3 Copy Hook
6KA	6 Keybank, left
7KA	6 Keybank, right
8KA	5 Keybar, left bank
9KA	5 Keybar, right bank
10KA	1 Nomenclature
11KA	4 Rock Shaft
12KA	4 Rock Shaft Bracket
13KA	4 Valve Bar
14KA	1 Valve Returning Rock Shaft
15KA	3 Copy Hook Ring Screw
16KA	1 Justifying Space Cut-Out
18KA	25 Justifying Space Cut-Out Support, right
19KA	25 Justifying Space Cut-Out Support, left
23KA	34 Copy Holder, (for Book)
25KA	35 Copy Lamp
26KA	35 Copy Lamp Cable
28KA	35 Copy Lamp Tube Post Clamp
44KA	6 Keybutton Clip
47KA	35 Copy Lamp Cable Tube Post
48KA	34 Note-Pad Holder
51KA	36 Junction Box

## KB Section

1KB	18 Bell
2KB	18 Bell Hammer
3KB	12 Bell Trip Lever
4KB	16 Em Rack
5KB	16 Em Rack Slide
6KB	16 Em Rack Stop
7KB	16 Em Rack Stop Rack
8KB	16 Em Rack Stop Rack Adjusting Screw
9KB	16 Em Scale
10KB	16 Justifying Scale
11KB	15 Justifying Scale Driving Rack
12KB	15 Justifying Scale Gear
13KB	15 Justifying Scale Pin
14KB	14 Justifying Scale Pointer
15KB	14 Justifying Scale Pointer Detent Pawl
16KB	14 Justifying Scale Pointer Lifting Pawl
17KB	14 Justifying Scale Pointer Operating Lever
18KB	12 Justifying Scale Pointer Pawl Spring Post
19KB	14 Justifying Scale Pointer Rack Guide Plate
23KB	18 Line Counter
24KB	18 Restoring Rocker Arm
25KB	15 Unit Indicator
26KB	13 Unit Rack
27KB	13 Unit Rack Abutment
28KB	12 Unit Rack Abutment Adjusting Stud
29KB	13 Unit Rack Slide
30KB	12 Unit Rack Slide Abutment
31KB	13 Unit Rack Slide
32KB	23 Unit Rack Stop Bar
33KB	13 Unit Rack Stop Guide
34KB	13 Unit Rack Stop Guide Abutment
35KB	12 Unit Wheel
36KB	12 Unit Wheel Driving Cylinder
37KB	12 Unit Wheel Driving Rack
38KB	12 Unit Wheel Pawl
39KB	15 Unit Wheel Pawl Adjusting Bar
40KB	14 Unit Wheel Pawl Latch Spring
41KB	12 Unit Wheel Pawl Spring
42KB	12 Unit Wheel Pawl Spring Post
43KB	12 Unit Wheel Pawl Stud
44KB	12 Unit Wheel Standard
48KB	28 Unit Wheel Positioner
49KB	31 Pinion Bracket
51KB	31 Actuating Valve
52KB	31 Actuating Pawl
53KB	31 Shaft

## SYMBOL PLATE DESCRIPTION

54KB	31 Stop Pawl
55KB	31 Trip Pawl
56KB	31 Detent Pawl
57KB	31 Release Pawl
58KB	31 Air Control Valve
59KB	31 Stop Disc
60KB	36 Illuminator
62KB	36 Illuminator Arm Stud
63KB	18 Switch Box
64KB	18 Switch Box Screw
65KB	18 Switch Knife
66KB	36 Illuminator Lamp
67KB	36 Attachment Plug
68KB	36 Cut-Off Resistance Lamp
70KB	25 Lamp Bracket
71KB	25 Lamp Socket
72KB	25 Cable
73KB	15 Unit Rack Lever
74KB	15 Unit Rack Lever Spring
75KB	25 Signal Lamp
76KB	13 Unit Rack Stop Guide Bracket
77KB	30 Operating Rod, Rock Shaft, Punch Bar Arm, Unit Dial, Unit Stop
86KB	33 Reading Device
87KB	13 Unit Value Indicator
88KB	25 Plug Socket
89KB	36 Plug Socket
90KB	36 Plug Socket Bracket
91KB	25 Plug Socket Bracket
92KB	25 Cable Connector
93KB	37 Unit Wheel Stop
94KB	30 Unit Distance Piece
96KB	29 Em Scale Marker
97KB	28 Retaining Spring
98KB	15 Unit Pointer

## KC Section

1KC	2 Air Supply Hose
2KC	22 Paper Feed Pawl Lever
3KC	22 Paper Feed Pawl Ring
4KC	11 Paper Feed Piston Link
5KC	22 Paper Feed Ratchet Detent
6KC	22 Paper Feed Ratchet Pawl, driving
7KC	22 Paper Feed Ratchet Pawl, stop
8KC	22 Paper Feed Release Plate
9KC	22 Paper Feed Rod
10KC	11 Paper Feed Valve
11KC	11 Paper Feed Valve Bracket
12KC	22 Paper Feed Valve Cam
13KC	19 Paper Feed Wheel
14KC	20 Paper Shaft
15KC	24 Paper Spool
16KC	24 Paper Spool Shaft
17KC	19 Paper Spool Shaft Bearing
18KC	19 Paper Tower
19KC	20 Paper Tower Cover, rear
20KC	19 Paper Tower Cover, front
21KC	22 Paper Wind Lever
22KC	22 Paper Wind Ratchet
23KC	20 Paper Wind Ratchet Detent
24KC	22 Paper Wind Ratchet Pawl
25KC	20 Paper Feed Release Plate Link Bracket
26KC	10 Pipe
27KC	10 Pipe
28KC	10 Piston
29KC	8 Piston Block
30KC	8 Piston Block Base
31KC	17 Piston Lever
32KC	19 Piston
33KC	21 Punch Bar
34KC	21 Punch Bar Lever
35KC	19 Punch Bar Separator
36KC	23 Reversing Valve
37KC	11 Reversing Valve Bracket
38KC	21 Tension Arm Connecting Rod
39KC	8 Tension Arm Connecting Rod Lever

## SYMBOL PLATE DESCRIPTION

40KC	21 Tension Arm Piston Rod
41KC	7 Valve Bank
42KC	7 Valve Bank Air Filter Vent Pipe
43KC	38 Reducing Valve
44KC	38 Air Filter
45KC	24 Paper Guide
46KC	20 Paper Spool Guide
48KC	2 Paper Punchings Remover
52KC	27 Lock Switch Valve
55KC	36 Lock Switch Valve Body Screw
56KC	26 Piston Block Base
58KC	25 Piston Block Base Screw
59KC	27 Punch Lock Cylinder
60KC	27 Punch Lock Cylinder Screw
61KC	27 Punch Lock Cylinder Screw
62KC	22 Paper Feed Lock
64KC	32 Actuating Lever
85KC	32 Operating Lever
86KC	32 Punch Bar Rocking Lever
88KC	37 Pipe
89KC	37 Switch
90KC	28 Keystroke Counter
93KC	33 Indicator
92KC	33 Operating Rod
93KC	33 Punch Bar Lifting Arm
95KC	38 Support
96KC	38 Air Lubricator
97KC	24 Paper Tension Rod
98KC	37 Air Pipe
99KC	37 Switch
100KC	38 Air Pipe

## KT Section

1KT	39 Wrench
2KT	39 Screwdriver
4KT	39 Paper Reader and Type Body Measure Scale
6KT	39 Combination "Set" Em Scale
8KT	39 Wax Pencil
9KT	39 Folding Type Scale (Steel)
10KT	39 Cover, for Machines
11KT	39 Type Scale
12KT	39 Plastic Cover, for Keyboard Layout

## KU Section

1KU	28 Unit Wheel Positioner
2KU	20 Copy Holder Attachment
3KU	28 90-Em Scale
8KU	30 Unit Adding Attachment
10KU	28 3-Unit Minimum
14KU	31 Tabulating Attachment
15KU	32 Justified Letter Spacing Attachment
17KU	33 Tonic-So-Fa (20 Unit) Attachment
18KU	34 Copy Holder (Book) Attachment
20KU	6 Extended Matrix-case (15 x 17 rows) Attachment
25KC	35 Copy Light (Fluorescent) Attachment
26KC	35 Copy Light (Fluorescent) Attachment
31KU	5 Quadding and Centring
32KU	37 Combined Spacing Attachment
33KU	28 Keystroke Counter Attachment
34KU	36 Justifying Scale Illuminator Attachment
35KU	29 Em Scale Marker (Tabular Matter) Attachment
37KU	36 Justifying Scale Illuminator Attachment
38KU	34 Note-Pad Holder Attachment
40KU	33 Two-Colour Attachment
42KU	38 Air Filter Attachment
	Air Filter and Pressure Attachment
	Air Filter, Pressure Regulator and Lubricator Attachment
44KU	33 Continuous Delete Attachment
46KU	33 Character Delete Attachment
47KU	37 Double Exposure Attachment
48KU	13 I-Unit Space ("Monophoto") Filmsetter Attachment

# SYMBOL INDEX

## SYMBOL PLATE DESCRIPTION

### KA Section

1KA	1	Base
2KA	1	Base Standard
3KA	3	Copy Bracket
4KA	3	Copy Holder
5KA	3	Copy Hook
6KA	6	Keypad, left
7KA	6	Keypad, right
8KA	5	Keypad, left bank
9KA	5	Keypad, right bank
10KA	1	Nameplate
11KA	4	Rock Shaft
12KA	4	Rock Shaft Bracket
13KA	4	Valve Bar
14KA	1	Valve Returning Rock Shaft
15KA	3	Copy Hook Ring Screw
16KA	1	Justifying Space Cut-Out
18KA	25	Justifying Space Cut-Out Support, right
19KA	25	Justifying Space Cut-Out Support, left
23KA	34	Copy Holder, (for Book)
25KA	35	Copy Lamp
26KA	35	Copy Lamp Cable
28KA	35	Copy Lamp Tube Post Clamp
44KA	6	Keyputton Clip
47KA	35	Copy Lamp Cable Tube Post
48KA	34	Resizing Holder
51KA	36	Junction Box

### KB Section

1KB	18	Bell
2KB	18	Bell Hammer
3KB	12	Bell Trip Lever
4KB	16	Em Rack
5KB	16	Em Rack Slide
6KB	16	Em Rack Stop
7KB	16	Em Rack Stop Rack
8KB	16	Em Rack Stop Rack Adjusting Screw
9KB	16	Em Scale
10KB	24	Justifying Scale
11KB	15	Justifying Scale Driving Rack
12KB	15	Justifying Scale Gear
13KB	15	Justifying Scale Finion
14KB	14	Justifying Scale Pointer
15KB	14	Justifying Scale Pointer Detent Pawl
16KB	14	Justifying Scale Pointer Lifting Pawl
17KB	14	Justifying Scale Pointer Operating Lever
18KB	12	Justifying Scale Pointer Pawl Spring Post
19KB	14	Justifying Scale Pointer Rack Guide Plate
23KB	18	Line Counter
24KB	14	Restoring Kicker Arm
25KB	15	Unit Indicator
26KB	13	Unit Rack
27KB	13	Unit Rack Abutment
28KB	12	Unit Rack Abutment Adjusting Stud
29KB	13	Unit Rack Slide
30KB	12	Unit Rack Slide Abutment
31KB	23	Unit Rack Stop
32KB	23	Unit Rack Stop Bar
33KB	13	Unit Rack Stop Guide
34KB	13	Unit Rack Stop Guide Abutment
35KB	12	Unit Wheel
36KB	12	Unit Wheel Driving Cylinder
37KB	12	Unit Wheel Driving Rack
38KB	14	Unit Wheel Pawl
39KB	15	Unit Wheel Pawl Adjusting Bar
40KB	14	Unit Wheel Pawl Latch Spring
41KB	12	Unit Wheel Pawl Spring
42KB	12	Unit Wheel Pawl Spring Post
43KB	12	Unit Wheel Pawl Stud
44KB	12	Unit Wheel Standard
48KB	28	Unit Wheel Positioner
50KB	3	Valve Bracket
51KB	31	Actuating Valve
52KB	31	Actuating Pawl
53KB	31	Shaft

## SYMBOL PLATE DESCRIPTION

54KB	31	Stop Pawl
55KB	31	Trip Pawl
56KB	31	Detent Pawl
57KB	31	Release Pawl
58KB	31	Air Control Valve
59KB	31	Stop Disc
61KB	36	Illuminator
62KB	36	Illuminator Arm Stud
63KB	18	Switch Box
64KB	18	Switch Box Screw
65KB	18	Switch Knife
66KB	36	Illuminator Lamp
67KB	36	Attachment Plug
68KB	36	Cut-Out Resistance Lamp
70KB	25	Lamp Bracket
71KB	25	Lamp Socket
72KB	25	Cable
73KB	45	Unit Rack Lever
74KB	15	Unit Rack Lever Spring
75KB	25	Signal Lamp
76KB	13	Unit Rack Stop Guide Bracket
77KB	30	Operating Rod, Rock Shaft, Punch Bar Lifting Arm, Unit Dial, Unit Stop
86KB	33	Reading Device
87KB	13	Unit Value Indicator
88KB	25	Plug Socket
89KB	36	Plug Socket
90KB	36	Plug Socket Bracket
91KB	36	Plug Socket Bracket
92KB	25	Cable Connector
93KB	37	Unit Wheel Stop
94KB	30	Unit Distance Piece
96KB	29	Em Scale Marker
97KB	28	Retaining Spring
98KB	15	Unit Pointer

### KC Section

1KC	2	Air Supply Hose
2KC	22	Paper Feed Pawl Lever
3KC	22	Paper Feed Pawl Ring
4KC	11	Paper Feed Piston Link
5KC	22	Paper Feed Ratchet Detent
6KC	22	Paper Feed Ratchet Pawl, driving
7KC	22	Paper Feed Ratchet Pawl, stop
8KC	22	Paper Feed Release Plate
9KC	22	Paper Feed Rod
10KC	11	Paper Feed Valve
11KC	11	Paper Feed Valve Bracket
12KC	22	Paper Feed Valve Cam
13KC	19	Paper Feed Wheel
14KC	20	Paper Shaft
15KC	24	Paper Spool
16KC	24	Paper Spool Shaft
17KC	19	Paper Spool Shaft Bearing
18KC	19	Paper Tower
19KC	20	Paper Tower Cover, rear
20KC	19	Paper Tower Cover, front
21KC	22	Paper Wind Lever
22KC	22	Paper Wind Ratchet
23KC	20	Paper Wind Ratchet Detent
24KC	22	Paper Wind Ratchet Pawl
25KC	20	Paper Feed Release Plate Link Bracket
26KC	10	Pipe
27KC	10	Pipe
28KC	10	Piston
29KC	10	Piston
30KC	8	Piston Block Base
31KC	17	Piston Lever
32KC	19	Punch
33KC	21	Punch Bar
34KC	21	Punch Bar Lever
35KC	19	Punch Bar Separator
36KC	19	Reversing Valve
37KC	11	Reversing Valve Bracket
38KC	21	Tension Arm Connecting Rod
39KC	8	Tension Arm Connecting Rod Lever

## SYMBOL PLATE DESCRIPTION

40KC	21	Tension Arm Piston Rod
41KC	7	Valve Bank
42KC	7	Valve Bank Air Filter Vent Pipe
43KC	38	Reducing Valve
44KC	38	Air Filter
45KC	24	Paper Guide
46KC	20	Paper Spool Guide
48KC	2	Paper Punchings Remover
52KC	27	Lock Switch Valve
53KC	27	Lock Switch Valve Body Screw
56KC	26	Piston Block Base
58KC	25	Piston Block Base Screw
59KC	27	Punch Lock Cylinder
60KC	27	Punch Lock Cylinder Screw
61KC	27	Punch Lock Cylinder Screw
82KC	22	Paper Feed Lock
84KC	32	Actuating Lever
85KC	32	Operating Lever
86KC	32	Punch Bar Rocking Lever
88KC	37	Switch
89KC	37	Switch
90KC	28	Keystroke Counter
91KC	33	Indicator
92KC	33	Operating Rod
93KC	33	Punch Bar Lifting Arm
95KC	38	Support
96KC	38	Air Lubricator
97KC	24	Paper Tension Rod
98KC	37	Air Pipe
99KC	37	Switch
100KC	38	Air Pipe

### KT Section

1KT	39	Wrench
2KT	39	Screwdriver
4KT	39	Paper Reader and Type Body Measure Scale
6KT	39	Combination 'Set' Em Scale
8KT	39	Wax Pencil
9KT	39	Folding Type Scale (Steel)
10KT	39	Folder, for Machines
11KT	39	Type Scale
12KT	39	Plastic Cover, for Keyboard Layout

### KU Section

1KU	28	Unit Wheel Positioner
2KU	20	'20' Copy Holder Attachment
3KU	28	90-Em Scale
8KU	30	Unit Adding Attachment
10KU	28	3-Unit Minimum
14KU	31	Tabulating Attachment
15KU	32	Justified Letter Spacing Attachment
16KU	33	Toniolo-Fa (20 Unit) Attachment
18KU	34	Copy Holder (Book) Attachment
20KU	6	Extended Matrix-case (15 x 17 rows) Attachment
25KU	35	Copy Light (Fluorescent) Attachment
26KU	35	Copy Light (Fluorescent) Attachment
31KU	5	Quadding and Centring
32KU	37	Combined Spacing Attachment
33KU	28	Keystroke Counter Attachment
34KU	36	Justifying Scale Illuminator Attachment
35KU	29	Em Scale Marker (Tabular Matter) Attachment
37KU	36	Justifying Scale Illuminator Attachment
38KU	34	Note-Pad Holder Attachment
40KU	33	Two-Colour Attachment
42KU	38	Air Filter Attachment
		Air Filter and Pressure Regulator Attachment
		Air Filter, Pressure Regulator and Lubricator Attachment
44KU	33	Continuous Delete Attachment
46KU	33	Character Delete Attachment
47KU	37	Double Exposure Attachment
48KU	13	1-Unit Scale ('Monophoto' Filmsetter) Attachment

**1KA**

d1KA1 Base, STANDARD KEYBOARD  
 e1KA1 Base, DUPLEX KEYBOARD  
 1KA2 Cover  
 1KA7\* Bush, for 16KA3, STANDARD KEYBOARD  
 b1KA8 Bracket, for Punchings Remover  
 1KA11 Bracket Nut (2)  
 a1KA11 Bracket Nut (2), Copy Light (Fluorescent) Attachment  
 Xe1KA Base, STANDARD KEYBOARD, group; consists of e1KA1, 1KA2, b1KA8, 1KA11(2)  
 Xj1KA Base, DUPLEX KEYBOARD, group; consists of c1KA1, 1KA2, b1KA8, 1KA11(2)  
 \*Standard Keyboards numbered 22301 to 24888 inclusive were equipped with this part  
 Duplex Keyboard same as above quantities

**2KA**

a2KA1 Base Standard (not supplied separately, order X2KA)  
 2KA3 Screw, for raising Base  
 2KA4 Screw Hand Wheel

2KA5 Screw Lock Nut  
 X2KA Base Standard group; consists of a2KA1, 2KA3, 4 and 5  
 Duplex Keyboard same as above quantities

**10KA**

b10KA1\* Nameplate, specify country  
 c10KA1 Nameplate, specify country  
 10KA2 Screw (4),  $\frac{1}{8} \times \frac{3}{8}$   
 a10KA2\* Screw (2)  
 Xc10KA Nameplate, specify country, group; consists of c10KA1, 10KA2(4)  
 \*For machines used in France or French Possessions  
 Duplex Keyboard same as above quantities

**14KA**

a14KA1K\* Valve Returning Rock Shaft  
 14KA2 Fulcrum Screw (2)  
 14KA3 Fulcrum Screw Nut (2)  
 14KA4 Finger (2)  
 14KA5 Operating Arm  
 14KA6 Operating Arm Rod

14KA7 Operating Arm Rod Head  
 14KA8 Operating Arm Rod Nut  
 14KA9 Operating Arm Rod Spring  
 14KA10 Operating Arm Rod Washer  
 Xa14KA Valve Returning Rock Shaft group; consists of a14KA1K, 14KA2(2), 14KA3(2), 14KA6 to 10 inclusive  
 \*a14KA1K consists of a14KA1, 14KA4(2), 14KA5  
 Duplex Keyboard same as above quantities

**16KA**

a16KA1 Justifying Space Cut-Out  
 16KA2 Operating Rod  
 16KA3 Operating Rod Guide Block  
 16KA4 Operating Rod Guide Block Screw,  $\frac{3}{8} \times \frac{3}{8}$ , hexagon  
 16KA5 Operating Rod Head  
 Xa16KA Justifying Space Cut-Out group; consists of a16KA1, 16KA2 to 5 inclusive  
 Duplex Keyboard double above quantities

**PLATE I**

A symbol in italics is not illustrated unless referred to another plate

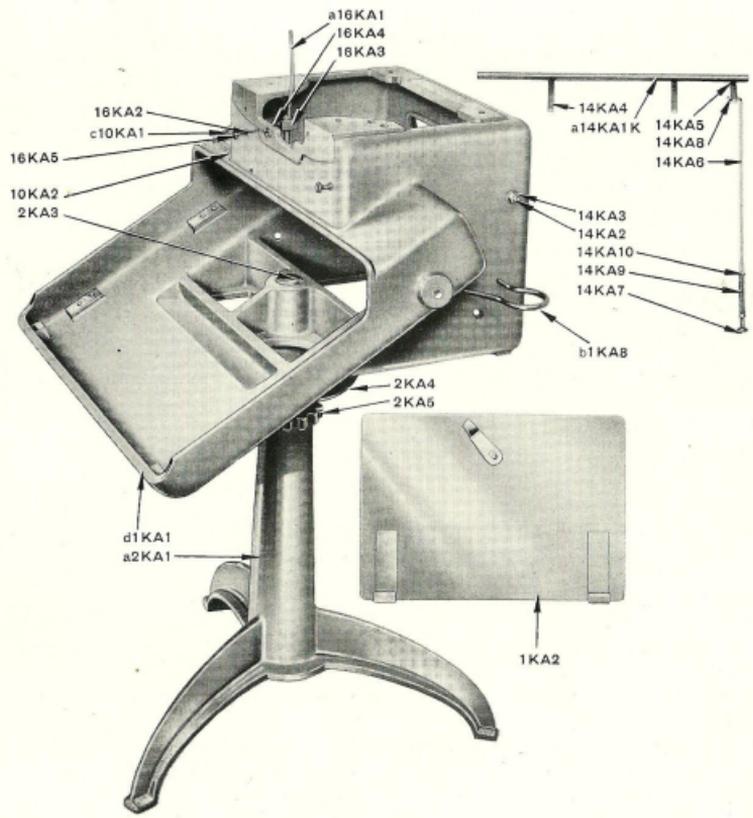
**Components of  
STANDARD AND  
DUPLEX KEYBOARDS**

**Additional Parts for Keyboards equipped with Key Transfer facilities**

**IKA**

<i>gIKA1</i>	Base, STANDARD KEYBOARD
<i>hIKA1</i>	Base, DUPLEX KEYBOARD
<i>IKA14</i>	Cable Clip (2)
<i>IKA15</i>	Cable Clip Screw (2), $\frac{1}{8}$ " x $\frac{1}{4}$ "
<i>IKA16</i>	Cable Clip Screw Washer (2)
<i>XhIKA</i>	Base, STANDARD KEYBOARD, group: consists of <i>gIKA1</i> , <i>IKA2</i> , <i>bIKAS</i> , <i>IKA11(2)</i> , <i>IKA14(2)</i> , <i>IKA15(2)</i> , <i>IKA16(2)</i>
<i>XjIKA</i>	Base, DUPLEX KEYBOARD, group: consists of <i>hIKA1</i> , <i>IKA2</i> , <i>bIKAS</i> , <i>IKA11(2)</i> , <i>IKA14(2)</i> , <i>IKA15(2)</i> , <i>IKA16(2)</i>

**PLATE I**



**PLATE I**

**IKK**

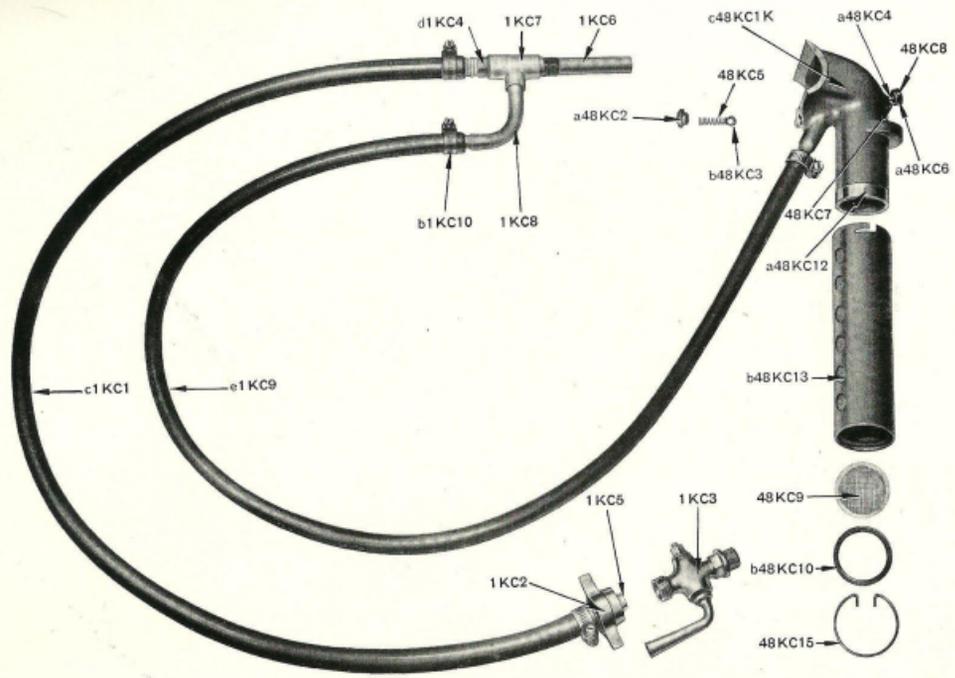
c1KC1	Air Supply Hose, P.V.C., 42" long
1KC2	Coupling Nut
1KC3	Coupling Valve
d1KC4	Pipe, Nozzle, to Air Supply Hose
<i>d1KC4 assd.*</i>	Pipe, Nozzle, to Air Supply Hose, assembled
1KC5	Coupling
1KC6	Pipe, to Valve Bank Air Filter
1KC7	Pipe Tee
1KC8	Pipe, Nozzle, to Paper Punchings Remover
e1KC9	Air Supply Hose, P.V.C., 46" long, to Paper Punchings Remover, STANDARD KEYBOARD
KC9	Air Supply Hose, P.V.C., 58" long, to Paper Punchings Remover, DUPLEX KEYBOARD
b1KC10	Clip (4)
<i>JKC13†</i>	Coupling Valve Reducing Socket, $\frac{3}{4}$ " x $\frac{1}{2}$ "
<i>JKC14</i>	Pipe Bush, reducing $1\frac{1}{2}$ " x $\frac{3}{4}$ "
<i>XdJKC</i>	Air Supply Hose, STANDARD KEYBOARD, group; consists of c1KC1, 1KC2 and 3, d1KC4 assd., 1KC5, e1KC9, b1KC10(4)
<i>Xe1KC</i>	Air Supply Hose, DUPLEX KEYBOARD, group; consists of c1KC1, 1KC2 and 3, d1KC4 assd., 1KC5, f1KC9, b1KC10(4)
	*d1KC4 assd. consists of d1KC4, 1KC6, 7 and 8, 1KC14

†Supplied with machines despatched to Overseas Territories  
Duplex Keyboard same as above quantities

**48KC****Paper Punchings Remover**

c48KC1K*	Body, assembled
48KC28	Body Plug
a48KC28	Body Plug, for Valve Plunger Spring
48KC38	Valve
b48KC3	Valve Ball
48KC48	Valve Stem
a48KC4	Valve Plunger
48KC5	Valve Plunger Spring
48KC68	Valve Stem Knob
a48KC6	Valve Plunger Knob
48KC7	Valve Plunger Knob Pin, guide
48KC8	Valve Plunger Knob Pin, fixing
48KC9	Gauze, end
<i>a48KC10†</i>	Gauze Retainer
b48KC10	Gauze Retainer, End (2)
48KC128	Container Pin, in Body (2)

a48KC12	Container Pin, in Body (2)
b48KC13	Container
<i>b48KC13K†</i>	Container assembled
48KC15	Gauze Retainer Ring
48KC48	Gauze, side (not supplied separately, order b48KC13K)
48KC49	Gauze Retainer, side (not supplied separately, order b48KC13K)
48KC50	Gauze Retainer Rivet (3) (not supplied separately, order b48KC13K)
48KC51	Air Pipe Nozzle
48KC52	Valve Plunger Knob Screw, $\frac{3}{8}$ " x $\frac{3}{8}$ ", grub
<i>Xe48KC</i>	Paper Punchings Remover group; consists of c48KC1K, b48KC13K
	*c48KC1K consists of c48KC1, a48KC2, b48KC3, a48KC4, 48KC5, a48KC6, 48KC7 and 8, a48KC12(2), 48KC51 and 52
	†b48KC13K consists of 48KC9, b48KC10(2), b48KC13, 48KC15, 48KC48 and 49, 48KC50(3)
	‡Standard Keyboards numbered 22301 to 22443 inclusive and Duplex Keyboards numbered 0179 to 0181 inclusive were equipped with this part
	§Standard Keyboards numbered 22804 to 25039 inclusive and Duplex Keyboards numbered 0206 to 0327 inclusive were equipped with these parts
	Duplex Keyboard same as above quantities



**PLATE 2**

### 3KA

b3KA1	Copy Bracket
b3KA2	Extension
b3KA3	Extension Clamp
b3KA4	Extension Clamp Collar
a3KA5	Extension Clamp Nut
a3KA6	Screw, $\frac{1}{2} \times \frac{3}{8}$ , hexagon
3KA7	Extension Clamp Washer
3KA8	Extension Clamp Washer Cover
3KA9	Screw Washer
3KA10	Screw Washer Cover
X3KA1	Copy Bracket group: consists of b3KA1 to 4 inclusive, a3KA5 and 6, 3KA7 to 10 inclusive (see plate 34)

Duplex Keyboard same as above quantity

### 4KA

g4KA1**	Copy Holder, 10"
b4KA1	Copy Holder, 20" COPY HOLDER ATTACHMENT
n4KA1	Copy Holder, 20" COPY HOLDER ATTACHMENT (see plate 29)
m4KA1	Copy Holder, 15"
a4KA2	Thumb Screw
d4KA3**	Paper Guide, 10"
a4KA3 asd.**	Paper Guide, assembled, 10"
a4KA3	Paper Guide, 20" COPY HOLDER ATTACHMENT
e4KA3 asd.	Paper Guide, assembled, 20" COPY HOLDER ATTACHMENT
f4KA3 asd.1	Paper Guide, assembled, 20" COPY HOLDER ATTACHMENT
g4KA3	Paper Guide, 15"
g4KA3 asd.3	Paper Guide, assembled, 15"
g4KA4**	Roller, front, 10"
g4KA4 asd.**	Roller, front, assembled, 10"
b4KA4	Roller, front, 20" COPY HOLDER ATTACHMENT
b4KA4 asd.	Roller, front, assembled, 20" COPY HOLDER ATTACHMENT
m4KA4	Roller, front, 20" COPY HOLDER ATTACHMENT (see plate 29)
m4KA4 asd.**	Roller, front, assembled, 20" COPY HOLDER ATTACHMENT
e4KA4	Roller, front, 15"
e4KA5K††	Roller Bracket (2), 10"
d4KA5	Roller Release Bar Lever Fulcrum Rod Bracket (2)
a4KA6**	Roller Bracket Plug Screw (2), $\frac{3}{8} \times \frac{3}{8}$ , grub
e4KA7	Roller Spring
d4KA7	Screw (2), $\frac{1}{2} \times \frac{3}{16}$ , countersunk

a4KA9**	Roller Spring Plunger (2)
a4KA10**	Blank Scale, 10"
b4KA10	Blank Scale, 20" COPY HOLDER ATTACHMENT
a4KA10	Blank Scale, 20" COPY HOLDER ATTACHMENT (see plate 29)
d4KA10	Blank Scale, 15"
a4KA11	Blank Scale Screw Washer (2)
a4KA12**	Blank Scale Screw (2), $\frac{1}{2} \times \frac{1}{4}$ , to Roller Release Bar Lever
a4KA12	Blank Scale Screw (2), $\frac{1}{2} \times \frac{1}{4}$ , to Roller Release Bar Lever
e4KA13**	Roller Release Bar, 10"
a4KA13	Roller Release Bar, 20" COPY HOLDER ATTACHMENT
e4KA13	Roller Release Bar, 20" COPY HOLDER ATTACHMENT (see plate 29)
d4KA13	Roller Release Bar, 15"
a4KA14**	Roller Release Bar Lever (2)
b4KA14**	Roller Release Bar Lever (2), 15"
e4KA15**	Roller Release Bar Lever Fulcrum Screw (2)
a4KA15**	Roller Release Bar Lever Fulcrum Rod, 20" COPY HOLDER ATTACHMENT (see plate 29)
b4KA15**	Roller Release Bar Lever Fulcrum Rod, 15"
a4KA16**	Roller Release Bar Screw (2), $\frac{1}{2} \times \frac{1}{4}$ , countersunk, to Lever
a4KA16	Roller Release Bar Screw (2), $\frac{1}{2} \times \frac{1}{4}$ , to Lever, 20" COPY HOLDER ATTACHMENT
b4KA16	Roller Release Bar Screw (4), $\frac{1}{2} \times \frac{1}{8}$ , through Lever
e4KA17**	Roller Turning Knob, 10"
e4KA17	Roller Turning Knob, 15"
e4KA18**	Roller, rear, 10"
a4KA18	Roller, rear, 20" COPY HOLDER ATTACHMENT
e4KA18	Roller, rear, 20" COPY HOLDER ATTACHMENT (see plate 29)
d4KA18	Roller, rear, 15"
e4KA19	Blank Scale Pointer
a4KA20	Paper Support, 20" COPY HOLDER ATTACHMENT (see plate 29)
4KA21	Paper Support Screw (4), $\frac{1}{2} \times \frac{3}{8}$ , to Bracket
4KA22	Roller Release Bar Lever Fulcrum Rod Spring
4KA23	Roller Release Bar Lever Fulcrum Rod Spring Pin
4KA24	Roller Release Bar Lever Taper Pin (2), $\frac{3}{8} \times \frac{3}{8}$
4KA25	Roller (rear) Support Roller (2)
4KA26	Roller (rear) Support Roller Housing
4KA26 asd.††	Roller (rear) Support Roller Housing, assembled
4KA27	Roller (rear) Support Roller Housing Adjusting Screw
4KA28	Roller (rear) Support Roller Housing Adjusting Screw Nut

4KA29	Roller (rear) Support Roller Pin (2)
4KA30	Paper Support, 15"
4KA31	Roller Copy Grip (2)
4KA32	Roller Feed Sleeve (2)
4KA33	Bracket
e4KA34	Screw, $\frac{1}{2} \times \frac{1}{4}$ , countersunk
Xn4KA	Copy Holder, 15", group: consists of m4KA1, a4KA2, g4KA3 asd., m4KA4, d4KA5(2), d4KA7(2), d4KA13, b4KA14(2), b4KA15, b4KA16(4), e4KA17, d4KA18, 4KA21(4), 4KA22 and 23, 4KA26(2), 4KA26 asd., 4KA27 and 28, 4KA30, 4KA31(2), 4KA32(2), 4KA33, 4KA34(2)
*d4KA3 asd.	consists of d4KA3, a4KA10, b4KA11(2), 4KA12(2)
†e4KA3 asd.	consists of e4KA3, b4KA10, a4KA11(2), 4KA12(2)
‡g4KA3 asd.	consists of g4KA3, e4KA10, a4KA11(2), a4KA12(2), 4KA19
§g4KA3 asd.	consists of g4KA3, d4KA10, a4KA11(2), a4KA12(2), 4KA19
¶g4KA4 asd.	consists of g4KA4, a4KA17
h4KA4 asd.	consists of b4KA4, a4KA17
**m4KA4 asd.	consists of m4KA4, e4KA17
††e4KA5K	each consists of e4KA5, a4KA6, e4KA7, a4KA8 and 9
‡‡4KA26 asd.	consists of 4KA25(2), 4KA26, 4KA29(2)

§Can be fitted only at Workshops  
¶Standard Keyboards numbered 2636 to 24767 inclusive, 24771 to 24774 inclusive, and Duplex Keyboards numbered 0194 to 0305 inclusive were equipped with these parts  
||20" Copy Holder Attachments supplied on and after 20th February, 1948, and prior to 9th June, 1954, were equipped with these parts

### 5KA

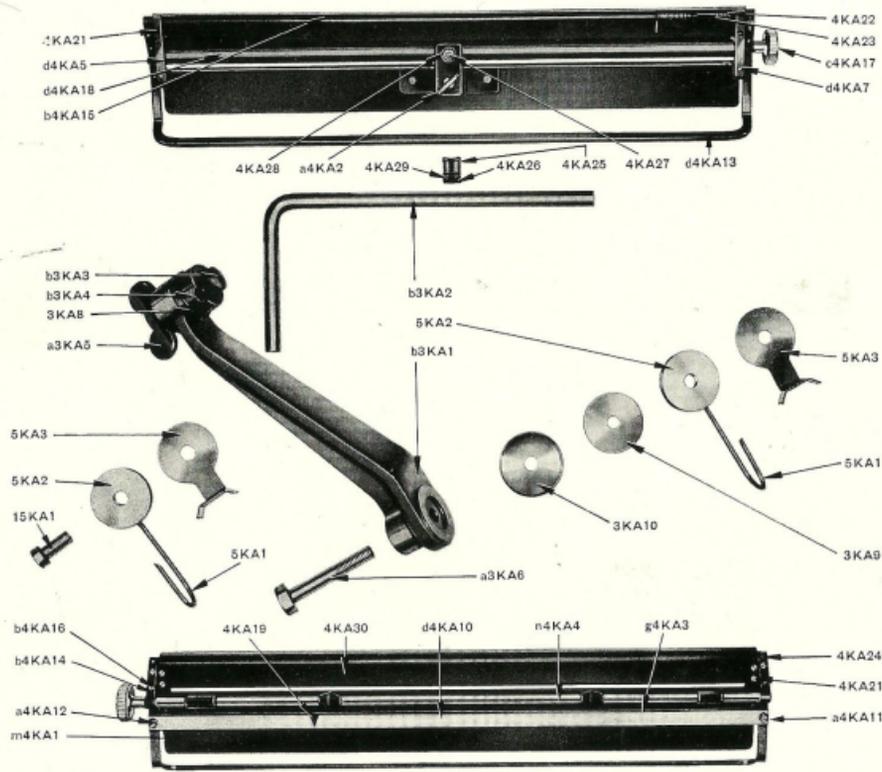
5KA1	Copy Hook (2)
5KA2	Ring (2)
5KA3	Guard (2)
Xa5KA	Copy Hook group, (2); each consists of 5KA1, 2 and 3

Duplex Keyboard same as above quantities

### 15KA

15KA1	Copy Hook Ring Screw, $\frac{1}{2} \times \frac{1}{2}$
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Duplex Keyboard same as above quantity



**PLATE 3**

## 11KA

- b11KA1 \*Rock Shaft, left (16)
- 11KA11 \*Rock Shaft, right (17)

\*Can be fitted only at Workshops

Duplex Keyboard same as above quantities

## 12KA

- 12KA1 Rock Shaft Bracket, left
- 12KA2 Rock Shaft Bracket, right
- b12KA3\* Connecting Bar, front
- 12KA4 Connecting Bar (front) Guide (2)
- 12KA5 Connecting Bar (front) Guide Screw (4),  $\frac{3}{8}'' \times \frac{3}{8}''$
- 12KA6 Connecting Bar (front) Screw (2),  $\frac{3}{8}'' \times \frac{3}{8}''$ , front
- 12KA7 Connecting Bar (front) Screw (2),  $\frac{3}{8}'' \times \frac{3}{8}''$ , side
- c12KA8 Connecting Bar, rear
- 12KA9 Connecting Bar (rear) Guide (2)
- 12KA10 Connecting Bar (rear) Guide Screw (4),  $\frac{3}{8}'' \times \frac{3}{8}''$
- 12KA11 Connecting Bar (rear) Screw (2),  $\frac{3}{8}'' \times \frac{3}{8}''$
- 12KA12 Connecting Bar (rear) Screw (2),  $\frac{3}{8}'' \times \frac{3}{8}''$
- a12KA13\* Connecting Bar Tie Bar, DUPLEX KEYBOARD
- 12KA14 Connecting Bar Tie Bar Screw (2),  $\frac{1}{2}'' \times \frac{1}{2}''$
- 12KA15 Screw (8),  $\frac{3}{8}'' \times 1\frac{1}{2}''$
- 12KA16 Stop Bar (2)
- b12KA20\* Adjusting Screw,  $\frac{3}{8}'' \times \frac{3}{8}''$ , hexagon (2)
- 12KA22 Stop Bar Clip, left-hand
- 12KA23 Stop Bar Clip, right-hand
- 12KA24 Stop Bar Clip Screw (2),  $\frac{1}{2}'' \times \frac{1}{2}''$
- 12KA25 Connecting Bar Tie Bar Taper Pin,  $\frac{3}{8}'' \times \frac{3}{8}''$
- 12KA31\* Adjusting Screw Lock Nut (2)

X12KA\* Rock Shaft Bracket group; consists of 12KA1 and 2, b12KA3, 12KA4(2), 12KA5(4), 12KA6(2), 12KA7(2), c12KA8, 12KA9(2), 12KA10(4), 12KA11(2), 12KA12(2), a12KA13, 12KA14(2), 12KA15(8), 12KA16(2), b12KA21(2), 12KA22 and 23, 12KA24(2), 12KA25, 12KA31(2)

\*Can be fitted only at Workshops

Duplex Keyboard same as above quantities

## 13KA

- c13KA1\* Valve Bar, C
- c13KA2\* Valve Bar, M
- c13KA3\* Valve Bar, L
- c13KA4\* Valve Bar, J
- c13KA5\* Valve Bar, O
- c13KA6\* Valve Bar, D
- c13KA7\* Valve Bar, N
- c13KA8\* Valve Bar, F
- d13KA9\* Valve Bar, O, special
- c13KA10\* Valve Bar, H
- c13KA11\* Valve Bar, I
- c13KA12\* Valve Bar, K
- c13KA13\* Valve Bar, E
- c13KA15\* Valve Bar, S
- c13KA16\* Valve Bar, A
- 13KA17\* Valve Bar, JD, for all Duplex Keyboards and Standard Keyboards not fitted with automatic justification
- 13KA20 Valve Bar, R
- c13KA23\* Valve Bar, B
- c13KA24\* Valve Bar, B
- c13KA25\* Valve Bar, 6

- c13KA26\* Valve Bar, 3
- c13KA27\* Valve Bar, 12
- c13KA28\* Valve Bar, 1
- c13KA29\* Valve Bar, 9
- c13KA30\* Valve Bar, 16, 0005\*
- c13KA31\* Valve Bar, 7
- c13KA32\* Valve Bar, 14
- c13KA33\* Valve Bar, 2
- c13KA34\* Valve Bar, 10
- c13KA35\* Valve Bar, 13
- 13KA36\* Valve Bar, 5
- 13KA37\* Valve Bar, 15
- 13KA38\* Valve Bar, 4
- 13KA39\* Valve Bar, 11
- 13KA40\* Valve Bar Retaining Screw, STANDARD KEYBOARD (2), DUPLEX KEYBOARD (4)

- a13KA60\* Valve Bar, NK, 0075\*, UNIT ADDING ATTACHMENT and TWO-COLOUR ATTACHMENT (see plate 30)
- b13KA65\* Valve Bar, NJ, 0005\*, UNIT ADDING ATTACHMENT and TWO-COLOUR ATTACHMENT (see plate 30)

Xb13KA\* Valve Bar, DUPLEX KEYBOARD, group; consists of c13KA1 to 8 inclusive, d13KA9, c13KA10 to 16 inclusive, 13KA17, 13KA20, 13KA23 to 39 inclusive

Xc13KA\* Valve Bar, STANDARD KEYBOARD, group; consists of c13KA1 to 8 inclusive, d13KA9, c13KA10 to 16 inclusive, 13KA20, c13KA23 to 39 inclusive

\*Can be fitted only at Workshops

Duplex Keyboard same as above quantities

*Additional Parts for Keyboards equipped with Key Transfer facilities*

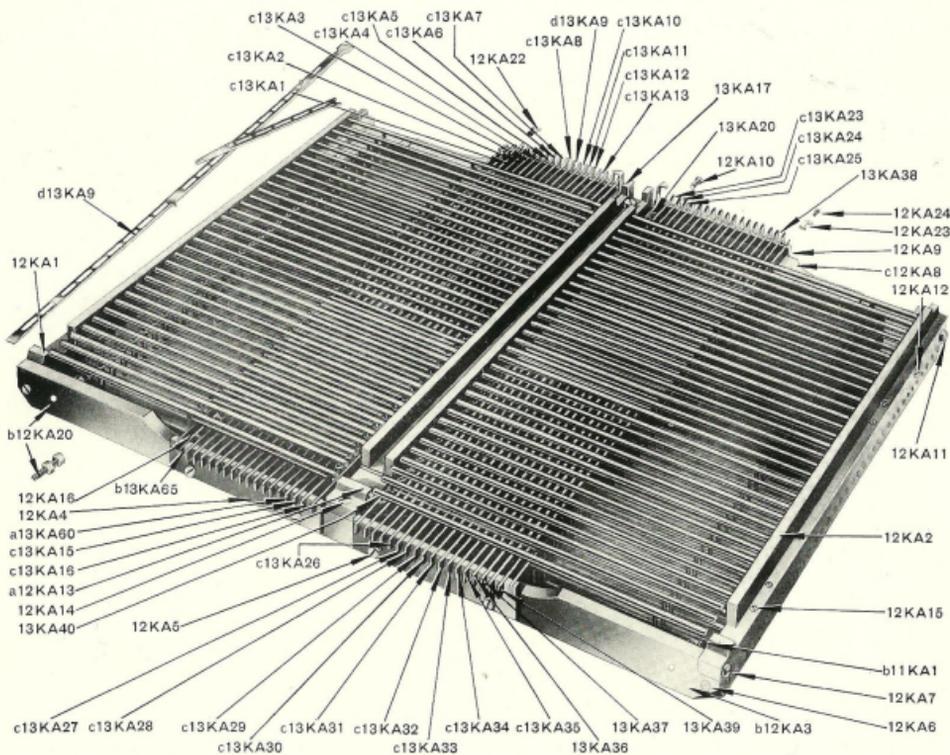
**12KA**

*e/12KA8* Rock Shaft Bracket, left  
*X/12KA* Connecting Bar, rear  
Rock Shaft Bracket, left, group; consists of 12KA1,  
12KA2, b12KA3, 12KA4(2), 12KA5(4),  
12KA6(2), 12KA7(2), e12KA8, 12KA9(2),  
12KA10(4), 12KA11(2), 12KA12(2), a12KA13,  
12KA14(2), 12KA15(8), 12KA16(2),  
b12KA20(2), 12KA22, 12KA23, 12KA24(2),  
12KA25, 12KA31(2)  
Duplex Keyboard same as above quantities

**13KA**

*b/13KA60\** Valve Bar, 17, -0075  
*X/13KA* Valve Bar, STANDARD KEYBOARD, group;  
consists of c13KA1 to 8 inclusive, d13KA9,  
c13KA10 to 13 inclusive, c13KA15 and 16,  
13KA20, c13KA23 to 39 inclusive, 13KA40(2),  
b13KA60  
*Xg/13KA* Valve Bar, DUPLEX KEYBOARD, group;  
consists of c13KA1 to 8 inclusive, d13KA9,  
c13KA10 to 13 inclusive, c13KA15 and 16,  
13KA17, 13KA20, c13KA23 to 39 inclusive,  
13KA40(4), b13KA60

\*The fitting of this part requires special skill and/or tools not normally in the possession of an operator. It is recommended that the 'Monotype' Area Technical Representative is contacted before ordering



**PLATE 4**

## 8KA

<i>h8KA1</i>	Keybar, left bank, 'Quadding' designation 1-15 BC (1), 'Repeater' designation 11-15 AC (1), QUADDING AND CENTRING
<i>h8KA1</i>	Keybar, left bank, designation 1-S-15-0, COMBINED SPACING ATTACHMENT (see plate 37)
<i>h8KA1</i>	Keybar, left bank, designation as stamped (158)
<i>h8KA1r</i>	Keybar, left bank, all lugs left on, for repairs
<i>h8KA1</i>	Keybar, left bank, for reversing
<i>e9KA2</i>	Frame
<i>e8KA2</i> assd.*	Frame, assembled
<i>a8KA3</i>	Frame Pin
<i>a8KA9K1†</i>	Guide, front
<i>h8KA49</i>	Guide, front
<i>a8KA10</i>	Guide Screw (2), $\frac{1}{2}'' \times \frac{3}{8}''$
<i>e8KA11†</i>	Stop Bar
<i>e8KA12†</i>	Stop Bar Screw (4), $\frac{3}{8}'' \times \frac{1}{8}''$
<i>e8KA13</i>	Guide, rear
<i>h8KA14</i>	Guide Screw (2), $\frac{1}{2}'' \times \frac{3}{8}''$
<i>h8KA16</i>	Layout Number Button (5)
<i>a8KA18†</i>	Guide Brace (not supplied separately, order <i>a8KA9K1</i> )
<i>a8KA19†</i>	Guide Brace Rivet (2)
<i>Xa8KA</i>	Keybar, left bank, Standard Keyboard, group; consists of <i>h8KA1</i> (175), <i>e8KA2</i> assd., <i>a8KA3</i> , <i>h8KA16</i> (5)
<i>Xe8KA</i>	Keybar, left bank, Duplex Keyboard, group; consists of <i>h8KA1</i> (174), <i>h8KA1</i> , <i>e8KA2</i> assd., <i>a8KA3</i> , <i>h8KA16</i> (5)
	* <i>e8KA2</i> assd. consists of <i>e8KA2</i> , <i>h8KA9</i> , <i>a8KA10</i> (2), <i>e8KA13</i> , <i>a8KA14</i> (2)

†*h8KA9K1* consists of *a8KA9*, *a8KA18*, *a8KA19*(2) †14-Row Keybar Frames supplied on and after September, 1955, and prior to 15th May, 1957, were equipped with these parts

Duplex Keyboard same as above quantities

## 9KA

<i>h9KA1</i>	Keybar, right bank, designation 1-S-15-0, COMBINED SPACING ATTACHMENT (see plate 37)
<i>h9KA1</i>	Keybar, right bank, designation as stamped (174)
<i>h9KA1r</i>	Keybar, right bank, all lugs left on, for repairs
<i>h9KA1</i>	Keybar, right bank, for reversing
<i>e9KA2</i>	Frame
<i>e9KA2</i> assd.*	Frame, assembled
<i>a9KA3</i>	Frame Pin
<i>h9KA9</i>	Guide, front
<i>a9KA10</i>	Guide Screw (2), $\frac{1}{2}'' \times \frac{3}{8}''$
<i>e9KA11†</i>	Stop Bar
<i>e9KA12†</i>	Stop Bar Screw (4), $\frac{3}{8}'' \times \frac{1}{8}''$
<i>e9KA13</i>	Guide, rear
<i>a9KA14</i>	Guide Screw (2), $\frac{1}{2}'' \times \frac{3}{8}''$
<i>h9KA16</i>	Layout Identification Button (6)
<i>e9KA19†</i>	Guide Brace Rivet (2)
<i>Xa9KA</i>	Keybar, right bank, group; consists of <i>h9KA1</i> (174), <i>h9KA1</i> , <i>e9KA2</i> assd., <i>a9KA3</i> , <i>h9KA16</i> (6)
	* <i>e9KA2</i> assd., consists of <i>e9KA2</i> , <i>h9KA9</i> , <i>a9KA10</i> (2), <i>e9KA13</i> , <i>a9KA14</i> (2)
	†14-Row Keybar Frames supplied on and after September, 1955, and prior to 15th May, 1957 were equipped with these parts

Duplex Keyboard same as above quantities

## 31KU

### Quadding and Contring Attachment

Object: Two separate mechanisms are fitted. The Quadding mechanism (on the Caster) will repeat the signal for a quad (or character) five or ten times for each Quadding perforation in the paper, the mechanism being previously set to a repeat of five or ten. The Repeater mechanism (on the Caster) put into action by the Repeater perforation, enables the casting of a quad (or character) to be repeated until a selected measure has been completed. The two features can be used singly or in combination. For Contring, both the Quadder and the Repeater are used. The Repeater can be used for casting lines of sorts

For Standard Keyboards numbered 22301 and prior to January 1964

For Duplex Keyboards numbered 0179 and prior to January 1964

*a31KU* Quadding and Contring Attachment, consists of 6KA6(Qr), 6KA6(Rr), *h8KA1*(1-15 BC), *h8KA1* (11-15 AC)

Duplex Keyboard same as above quantity

**Additional Parts for Keyboards equipped with Key Transfer facilities**

**8KA**

*For use with Keyboards not equipped for Key Transfer*

- k8KA1* Keybar, left bank, designation as stamped (175 or 174)
- g8KA2* assd.\* Frame, assembled
- g8KA2* Frame
- X8KA* Keybar, left bank, STANDARD KEYBOARD, group; consists of k8KA1(175), g8KA2 assd, a8KA3, 8KA16(6) as designated, in box
- Xm8KA* Keybar, left bank, DUPLEX KEYBOARD, group; consists of k8KA1(174), j8KA1, g8KA2 assd, a8KA3, 8KA16(6) as designated, in box
- \*g8KA2 assd, consists of g8KA2, f8KA9, a8KA10(2), c8KA13, a8KA14(2)

*For use with Keyboards equipped for Key Transfer*

- m8KA1* Keybar, left bank, designation as stamped (240 or 239)
- m8KA1r* Keybar, left bank, all lugs left on, for repairs.
- a8KA1* Keybar, left bank, reversing and Key Transfer (1 or 2)
- h8KA2* assd.\* Frame, assembled
- h8KA2* Frame
- g8KA9* Guide, front
- d8KA12* Guide, rear
- 8KA22* Frame Wear Resistance Plate (2)

- 8KA23* Frame Wear Resistance Plate Screw (4),  $\frac{1}{2}$ " x  $\frac{1}{8}$ ", countersunk
- Xj8KA* Keybar, left bank, STANDARD KEYBOARD, group; consists of m8KA1(240), n8KA1, h8KA2 assd, a8KA3, 8KA16(6) as designated, in box
- Xm8KA* Keybar, left bank, DUPLEX KEYBOARD, group; consists of m8KA1(239), n8KA1(2), h8KA2 assd, a8KA3, 8KA16(6) as designated, in box
- \*h8KA2 assd, consists of h8KA2, g8KA9, a8KA10(2), d8KA12, a8KA14(2), 8KA22(2), 8KA23(4)

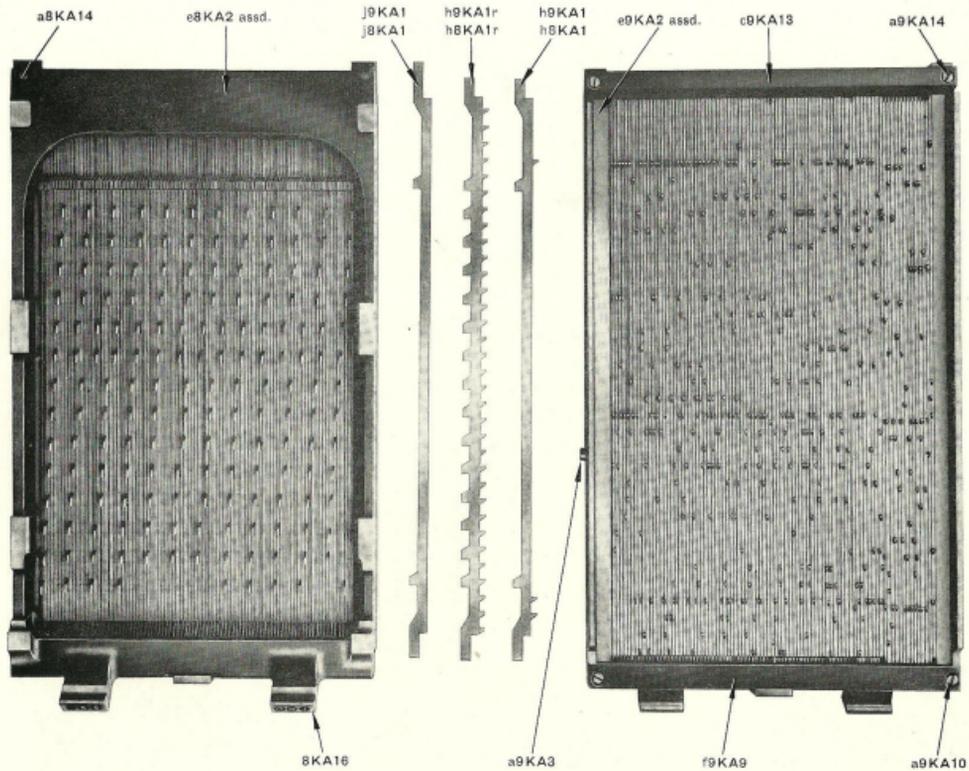
**9KA**

*For use with Keyboards not equipped for Key Transfer*

- k9KA1* Keybar, right bank, designation as stamped (174)
- g9KA2* assd.\* Frame, assembled
- g9KA2* Frame
- Xj9KA* Keybar, right bank group; consists of k9KA1(174), j9KA1, g9KA2 assd, a9KA3, 9KA16(6) as designated, in box
- \*g9KA2 assd, consists of g9KA2, f9KA9, a9KA10(2), c9KA13, a9KA14(2)
- Duplex Keyboard same as above quantities

*For use with Keyboards equipped for Key Transfer*

- m9KA1* Keybar, right bank, designated as stamped (239)
- m9KA1r* Keybar, right bank, all lugs left on, for repairs
- a9KA1* Keybar, right bank, reversing and Key Transfer (2)
- h9KA2* assd.\* Frame, assembled
- h9KA2* Frame
- g9KA9* Guide, front
- d9KA12* Guide, rear
- 9KA22* Frame Wear Resistance Plate (2)
- 9KA23* Frame Wear Resistance Plate Screw (4),  $\frac{1}{2}$ " x  $\frac{1}{8}$ ", countersunk
- Xj9KA* Keybar, right bank group; consists of m9KA1(239), n9KA1(2), h9KA2 assd, a9KA3, 9KA16(6) as designated, in box
- \*h9KA2 assd consists of h9KA2, g9KA9, a9KA10(2), d9KA13, a9KA14(2), 9KA22(2), 9KA23(4)
- Duplex Keyboard same as above quantities



**PLATE 5**

## 6KA

	<b>Keybank, left</b>
a6KA1K*	Frame
a6KA2	Bracket, left
6KA3	Bracket, left, Screw (2), $\frac{1}{8}'' \times \frac{1}{4}''$
a6KA4	Bracket, right
6KA5	Bracket, right, Screw (2), $\frac{1}{8}'' \times \frac{1}{4}''$
6KA6	Button, designation by character, 13 rows (116, 14 rows (127))
6KA6	Button, designation "Qr" (1), "Rr" (1), QUAD-DING AND CENTRING ATTACHMENT
a6KA6	Button, designation by character (3), EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
c6KA6	Button, Justification Numbers 1 to 11 inclusive (2 each) (22), 14 rows 1 to 14 inclusive (2 each) (28)
6KA7	Button Lever, regular, lug to left
c6KA7	Button Lever, extended
c6KA7 ass'd†	Button Lever, extended, assembled, designation by character (3), EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
6KA7	Button Lever, regular, lug to left (14×12 Keybanks)
6KA8	Button Lever, regular, lug to right, 13 rows (67), 14 rows (56)
a6KA8	Button Lever, lug to right, Justification, 14 rows (28)
b6KA8	Button Lever, Justification (14×12 Keybanks)
c6KA8	Button Lever, regular, lug to right (14×12 Keybanks)
e6KA9*	Button Lever, Adaptable Justifying Space
f6KA9	Button Lever Fixed Justifying Space
g6KA9	Button Lever Adaptable Justifying Space (14×12 Keybanks)
6KA10	Button Lever Abutment Rod, 13 rows (13), 14 rows (14)
6KA11	Button Lever Fulcrum Rod (14)
6KA12	Button Lever Fulcrum Rod Sleeve, long
b6KA12	Button Lever Fulcrum Rod Sleeve (14×12 Keybanks)
6KA13	Button Lever Fulcrum Rod Sleeve, short, fixed
6KA16†	Button Lever Tie Bar, upper, EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
6KA16	Button Lever Tie Bar, upper
c6KA16	Button Lever Tie Bar, upper (14×12 Keybanks)
6KA17	Button Lever Finger Plate, EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT (not supplied separately, order 6KA16K)
a6KA18	Layout Identification Button (5)
6KA28	Button Lever Support Bar, EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
6KA29	Button Lever Support Bar Screw (2), $\frac{1}{4}'' \times \frac{1}{4}''$ , EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
6KA36	Nameplate
6KA37	Nameplate Screw (4)
6KA39	Dust Shield, for row 1, EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
a6KA39K†	Dust Shield, slotted, Proportional Justification Filmsetter
6KA40	Dust Shield (13)
a6KA40	Dust Shield (14) (14×12 Keybanks)
6KA42	Button Lever Fulcrum Rod Sleeve
X76KA	Keybank, left, 14 rows, group; consists of a6KA1K, a6KA2, 6KA3(2), a6KA4, 6KA5(2), 6KA6(127), c6KA6(28), 6KA7(71), b6KA8(67), c6KA8, 6KA9, 6KA10(14), 6KA11(14), b6KA12, c6KA16, a6KA18(5), 6KA18(3), a6KA40(14), X44KA, X44KA

## Xm6KA

6KA8(56), a6KA8(28), e6KA9 or f6KA9, 6KA10(14), 6KA11(14), 6KA12, 6KA13, b6KA16 or 6KA16K, a6KA18(5), 6KA39, 6KA40(13), 6KA42, X44KA, X44KA
Keybank, left, 13 rows, group; consists of a6KA1K, a6KA2, 6KA3(2), a6KA4, 6KA5(2), 6KA6(116), c6KA6(22), 6KA7(71), b6KA8(67), c6KA8, 6KA9, 6KA10(14), 6KA11(14), b6KA12, c6KA16, a6KA18(5), 6KA18(3), a6KA40(14), X44KA, X44KA
*a6KA1K consists of a6KA1, 6KA36, 6KA37(4)
†c6KA7 ass'd. each consists of a6KA6, c6KA7
‡6KA16K consists of 6KA16 and 17
§a6KA39 consists of a6KA39, a6KA50
*Can be fitted only at Workshops

Duplex Keyboard same as above quantities

## 7KA

	<b>Keybank, right</b>
a7KA1K*	Frame
a7KA2	Bracket, left
7KA3	Bracket, left, Screw (2), $\frac{1}{8}'' \times \frac{1}{4}''$
a7KA4	Bracket, right
7KA5	Bracket, right, Screw (2), $\frac{1}{8}'' \times \frac{1}{4}''$
7KA6	Button, designation by character, 13 rows (132), 14 rows (149)
a7KA6	Button, designation by character (3), EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
7KA7	Button Lever, regular, lug to left (72)
c7KA7	Button Lever, extended (3), EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
c7KA7 ass'd†	Button Lever, extended, assembled, designation by character (3), EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
d7KA7	Button Lever, regular, lug to left (14×12 Keybanks)
7KA8	Button Lever, regular, lug to right, 13 rows (66), 14 rows (76)
a7KA8	Button Lever, regular, lug to right (14×12 Keybanks)
e7KA9*	Button Lever, Adaptable Justifying Space
f7KA9	Button Lever, Fixed Justifying Space
g7KA9	Button Lever, Adaptable Justifying Space (14×12 Keybanks)
7KA10	Button Lever Abutment Rod, 13 rows (13), 14 rows (14)
7KA11	Button Lever Fulcrum Rod (14)
7KA12	Button Lever Fulcrum Rod Sleeve, long
7KA13	Button Lever Fulcrum Rod Sleeve, short, fixed
7KA16K†	Button Lever Tie Bar, upper, EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
c7KA16	Button Lever Tie Bar, upper (14×12 Keybanks)
b7KA16	Button Lever Tie Bar, upper
7KA17	Button Lever Finger Plate, EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT (not supplied separately, order 7KA16K)
a7KA18	Layout Identification Button (5)
7KA20	Button Lever Support Bar, EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
7KA21	Button Lever Support Bar Screw (2), $\frac{1}{4}'' \times \frac{1}{4}''$ , EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT
7KA36	Nameplate
7KA37	Nameplate Screw (4)
7KA39	Dust Shield, for row 1, EXTENDED MATRIX CASE (15×17 rows) ATTACHMENT

a7KA39K‡	Dust Shield, slotted, Proportional Justification Filmsetter
7KA40	Dust Shield
a7KA40	Dust Shield (14) (14×12 Keybanks)
7KA42	Button Lever Abutment Rod Sleeve, 13 rows
a7KA42	Button Lever Fulcrum Rod Sleeve
7KA43	Button, Justification Numbers, as specified
a7KA58	Button Lever, Adaptable Justifying Space, Auxiliary, 14 rows
b7KA58	Button Lever, Adaptable Justifying Space, Auxiliary (14×12 Keybanks)
7KA65	Button Lever, Justification (14×12 Keybanks)
X77KA	Keybank, right, 14 rows, group; consists of a7KA1K, a7KA2, 7KA3(2), a7KA4, 7KA5(2), 7KA6(49), 7KA7(72) or c7KA7, 7KA8(66), e7KA9 or f7KA9, 7KA10(14), 7KA11(14), 7KA12(14), 7KA13, b7KA16, a7KA18(5), 7KA39, 7KA40(13), 7KA42, a7KA43, a7KA58, X44KA, X44KA
Xm7KA	Keybank, right, 13 rows, group; consists of a7KA1K, a7KA2, 7KA3(2), a7KA4, 7KA5(2), 7KA6(132), 6KA7(72), a7KA8(66), a7KA9, 7KA10(14), 7KA11(14), c7KA16, a7KA18(5), a7KA40(14), a7KA42, a7KA43(6), b7KA58, 7KA65, X44KA, X44KA

\*a7KA1K consists of a7KA1, 7KA36, 7KA37(4)

†c7KA7 ass'd. each consists of a7KA6, c7KA7

‡7KA16K consists of 7KA16 and 17

§a7KA39 consists of a7KA39, 7KA50

\*Can be fitted only at Workshops

Duplex Keyboard same as above quantities

## 44KA

44KA1	Keybutton Clip
a44KA1	Keybutton, Insertion design, specify colour
44KA2	Keybutton Clip, Slip-on Disc
a44KA2	Keybutton Window
44KA3	Keybutton Clip Paper Disc
a44KA3	Keybutton Insertion
b44KA3	Keybutton Insertion
c44KA3	Keybutton Clip Paper Disc
X44KA*	Keybutton Clip, plain, group; consists of 44KA1, 2 and 3
X44KA*	Keybutton, Insertion design, specify colour, plain, group; consists of a44KA1, 2 and 3
X44KA*	Keybutton, Insertion design, specify colour and character, group; consists of a44KA1 and 2, b44KA3
Xc44KA*	Keybutton Clip, specify character, group; consists of 44KA1 and 2, c44KA3

\*Not included as part of the Standard Equipment

## 20KU

Extended Matrix Case (15×17 rows) Attachment	
Object: To provide for use of a Matrix Case accommodating 255 matrices on the Composition Caster (that is more than the 15×15 case)	
Fixed Justifying Space	
Extended Matrix Case (15×17 rows) Attachment; consists of 6KA6(4), 6KA7(4), 6KA9, a6KA18(5), 6KA28, 6KA29(2), 7KA6(4), 7KA7(4), 7KA9, a7KA18(5), 7KA16, 7KA21(2), 8KA16(5), 9KA16(5)	
20KU	Duplex Keyboard same as above quantity

Adaptable Justifying Space for Keybanks supplied on and after September, 1945 and prior to April, 1957

c20KUJ Extended Matrix Case (15 x 17 rows) Attachment; consists of c6KA7 assd, (3), 6KA16K, a6KA18(5), 6KA28, 6KA29(2), e7KA7 ussd, (3), 7KA16K, a7KA18(5), 7KA20, 7KA21(2), 8KA16(5), 9KA16(5)

Duplex Keyboard same as above quantity

Adaptable Justifying Space for Keybanks supplied on and after April, 1957

c20KU2 Extended Matrix Case (15 x 17 rows) Attachment; consists of 6KA39, 7KA39, c20KU1

Duplex Keyboard same as above quantity

NOTE: Additional Keybars h8KA1 and b9KA1 are required. Order separately, giving Serial No. of Keybar Frames and Button Bank in use, also the desired Keybank and Matrix Case layout. It is recommended that Keybar Frames are returned to factory for conversion. Keyboard Clips Xc44KA are required. (order separately)

## PLATE 6 continued

A symbol in italics is not illustrated unless referred to another plate

### Additional Parts for Keyboards equipped with Key Transfer facilities

#### 6KA

##### Keybank, left

c6KA1K\* Frame  
b6KA2 Bracket, left  
b6KA4 Bracket, right  
m6KA49 Button Lever, Adaptable Justifying Space  
6KA11 Button Lever Fulcrum Rod (12)  
6KA64 Button Lever Fulcrum Rod, row 14  
b6KA39K† Dust Shield, slotted  
b6KA47 Button Lever Indicator Plate, position, specify fixed unit value  
6KA64 See above b6KA39K  
6KA65 Button Lever (Key Transfer) Lock Plate  
6KA66K† Button Lever (Key Transfer) Lock Plate Catch and Release Button  
6KA67 Button Lever (Key Transfer) Lock Plate Catch and Release Button Bolt (2),  $\frac{3}{8} \times \frac{11}{16}$   
6KA68 Button Lever (Key Transfer) Lock Plate Catch and Release Button Bolt Washer (4)  
6KA70 Button Lever (Key Transfer) Lock Plate Catch and Release Button Bolt Washer (4)  
6KA71 Button Lever (Key Transfer) Lock Plate Catch and Release Button Spring  
6KA72 Button Lever (Key Transfer) Lock Plate Catch and Release Button Spring Screw,  $\frac{3}{8} \times \frac{1}{4}$   
6KA73 Button Lever (Key Transfer) Lock Plate Catch and Release Button Spring Screw Washer  
6KA74 Button Lever, special, specify size as stamped on lever (quantity as required)  
6KA75 Button Lever Spacing Shim (quantity as required)  
Xaw6KA Keybank, left, STANDARD KEYBOARD, group; consists of c6KA1K, b6KA2, 6KA3(2), b6KA4, c6KA5(2), 6KA6(11), c6KA6(22), d6KA7(71), b6KA8(67), c6KA8, m6KA9,

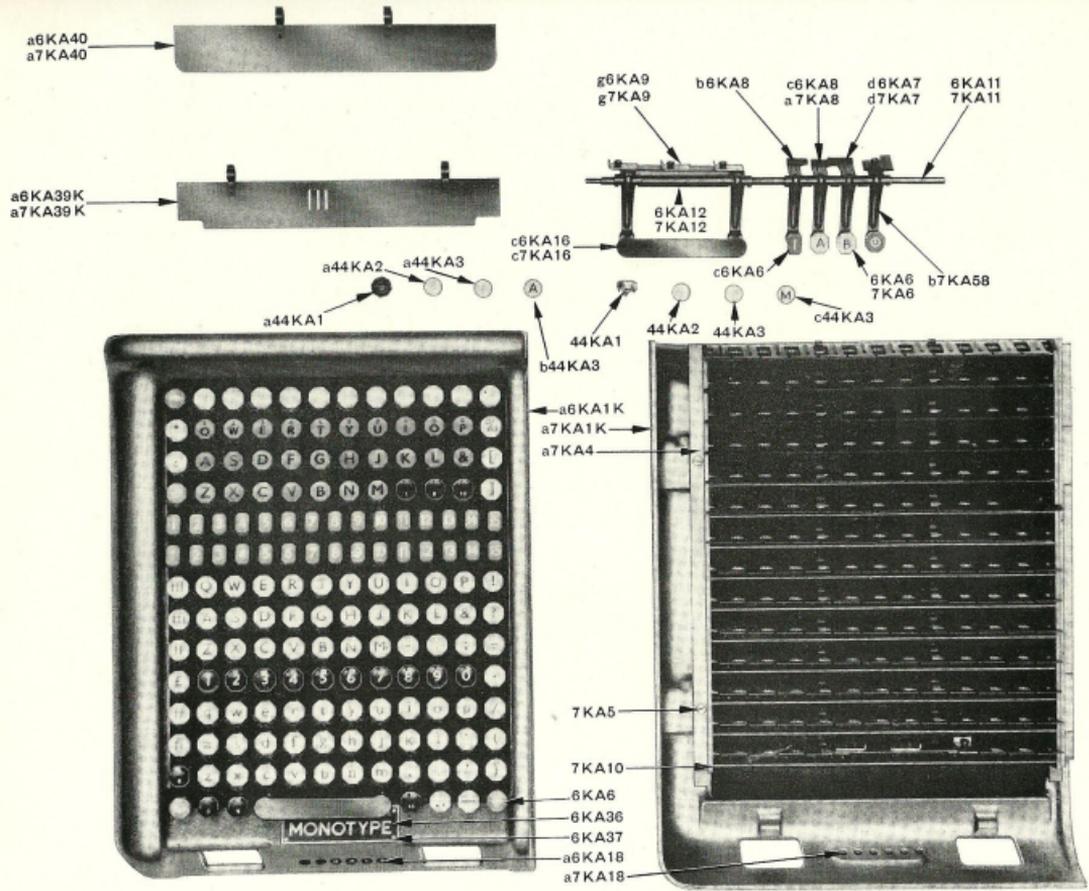
6KA10(14), 6KA11(12), d6KA16, a6KA18(6), b6KA39K, a6KA40(13), 6KA45, 6KA46(2), b6KA47 (specify fixed unit value), 6KA64, and 65, 6KA66K, 6KA68(2), 6KA69(2), 6KA70(4), 6KA71 to 75 inclusive  
Xbw6KA Keybank, left, DUPLEX KEYBOARD, group; consists of c6KA1K, b6KA2, 6KA3(2), b6KA4, 6KA5(2), 6KA6, c6KA6, d6KA7, b6KA8, c6KA8, m6KA9, 6KA10(14), 6KA11(12), d6KA16, a6KA18(6), b6KA39K, a6KA40(13), 6KA45, 6KA46(2), b6KA47 (specify fixed unit value), 6KA51, 6KA52K, 6KA58(2), 6KA59(2), 6KA60(4), 6KA61 to 65 inclusive, 6KA66K, 6KA68(2), 6KA69(2), 6KA70(4), 6KA71 to 75 inclusive  
\*c6KA1K consists of c6KA1, a6KA36, 6KA37(4)  
†b6KA39K consists of b6KA39, 6KA50  
‡b6KA66K consists of 6KA66, 6KA67

#### 7KA

##### Keybank, right

c7KA1K\* Frame  
b7KA2 Bracket, left  
b7KA4 Bracket, right  
m7KA49 Button Lever, Adaptable Justifying Space  
7KA11 Button Lever Fulcrum Rod (12)  
7KA72 Button Lever Fulcrum Rod, row 14  
b7KA59K† Dust Shield, slotted  
b7KA47 Button Lever Indicator Plate, position, specify fixed unit value  
7KA72 See above b7KA39K  
7KA73 Button Lever (Key Transfer) Lock Plate  
7KA74K† Button Lever (Key Transfer) Lock Plate Catch and Release Button  
7KA75 Button Lever (Key Transfer) Lock Plate Catch and Release Button Finger Plate

7KA76 Button Lever (Key Transfer) Lock Plate Catch and Release Button Bolt (2),  $\frac{3}{8} \times \frac{11}{16}$   
7KA77 Button Lever (Key Transfer) Lock Plate Catch and Release Button Bolt Nut (2)  
7KA78 Button Lever (Key Transfer) Lock Plate Catch and Release Button Bolt Washer (4)  
7KA79 Button Lever (Key Transfer) Lock Plate Catch and Release Button Spring  
7KA80 Button Lever (Key Transfer) Lock Plate Catch and Release Button Spring Screw,  $\frac{3}{8} \times \frac{1}{4}$   
7KA81 Button Lever (Key Transfer) Lock Plate Catch and Release Button Spring Screw Washer  
7KA82 Button Lever, special, specify size as stamped on lever (quantity as required)  
7KA83 Button Lever Spacing Shim (quantity as required)  
Xbw7KA Keybank, right, STANDARD KEYBOARD, group; consists of c7KA1K, b7KA2, 7KA3(2), 5KA4, 7KA5(2), 7KA6, d7KA7, a7KA8, m7KA9, 7KA10(14), 7KA11(12), d7KA16, a7KA18(6), b7KA39K, a7KA40(13), a7KA43, 7KA45, 7KA46(2), b7KA47 (specify fixed unit value), 7KA65, 7KA72 and 73, 7KA74K, 7KA76(2), 7KA77(2), 7KA78(4), 7KA79 to 83 inclusive  
Xbw7KA Keybank, right, DUPLEX KEYBOARD, group; consists of c7KA1K, b7KA2, 7KA3(2), b7KA4, 7KA5(2), 7KA6(149), d7KA7(72), a7KA8(66), m7KA9, 7KA10(14), 7KA11(12), d7KA16, a7KA18(6), b7KA39K, a7KA40(13), a7KA43, 7KA45, 7KA46(2), b7KA47 (specify fixed unit value), 7KA51, 7KA52K, 7KA65, 7KA66(2), 7KA67(2), 7KA68(4), 7KA69 to 73 inclusive, 7KA74K, 7KA76(2), 7KA77(2), 7KA78(4), 7KA79 to 83 inclusive  
\*c7KA1K consists of c7KA1, a7KA36, 7KA37(4)  
†b7KA39K consists of b7KA39, 7KA50  
‡7KA74K consists of 7KA74, 7KA75



**PLATE 6**

#### 41KC

<i>b41KC1K**</i>	Valve Bank, STANDARD KEYBOARD (see plate 8)
<i>a41KC1K1*</i>	Valve Bank, DUPLEX KEYBOARD
<i>a41KC2K1</i>	Air Filter
41KC3	Air Filter Cap
41KC4	Air Filter Cap Screw (8), $\frac{1}{2} \times \frac{3}{4}$ "
41KC5	Air Filter Frame, Clamp for packing (4)
41KC6	Air Filter Frame Screw (12), $\frac{1}{4} \times \frac{1}{2}$ "
41KC7	Air Filter Packing (2)
41KC8	Air Filter Screen (4)
41KC9	Air Filter Screw (4), $\frac{1}{4} \times 2\frac{1}{2}$ ", to Valve Bank
41KC10	Air Filter Screw (9), $\frac{1}{4} \times \frac{3}{4}$ ", to Valve Bank
<i>41KC11</i>	Bolt (10), $\frac{1}{2} \times 1\frac{1}{2}$ ", hexagon, to 30KC7 (see plate 9)
<i>41KC12</i>	Plunger, STANDARD KEYBOARD (34), DUPLEX KEYBOARD (35)
<i>a41KC12**</i>	Plunger (33)
<i>b41KC12</i>	Plunger (33) (see plate 8)
<i>41KC13*</i>	Plunger Bush, STANDARD KEYBOARD (34), DUPLEX KEYBOARD (35) (see plate 8)
a41KC15K	Plunger Return Bar
a41KC16	Plunger Return Bar Bush (2)
a41KC17	Plunger Return Bar Plunger (2)
41KC18*	Plunger Return Bar Plunger Bush (2)
41KC19	Plunger Return Bar Plunger Split Pin (2), $\frac{1}{8} \times \frac{1}{2}$ "

41KC20	Plunger Return Bar Plunger Nut (2)
41KC21	Plunger Return Bar Plunger Spring (2)
41KC22	Plunger Return Bar Plunger Washer (2)
a41KC23	Plunger Oil Pad
<i>a41KC24</i>	Oil Pipe (2), DUPLEX KEYBOARD
<i>b41KC24</i>	Oil Pipe (2), STANDARD KEYBOARD (see plate 8)
<i>a41KC25</i>	Oil Pipe Cap (2) (see plate 8)
<i>41KC30</i>	Plug, STANDARD KEYBOARD (2), DUPLEX KEYBOARD (1) (see plate 9)
<i>41KC31</i>	Plunger, green key reversing, STANDARD KEYBOARD (1), DUPLEX KEYBOARD (2) (see plate 8)
<i>Xb41KC</i>	Valve Bank, DUPLEX KEYBOARD, group; consists of a41KC1K, a41KC2K, 41KC9(4), 41KC10(9), 41KC11(10), a41KC24(2), a41KC25(2)
<i>Xj41KC</i>	Valve Bank, STANDARD KEYBOARD, group; consists of b41KC1K, a41KC2K, 41KC9(4), 41KC10(9), 41KC11(10), b41KC24(2), a41KC25(2)
	*b41KC1K consists of b41KC1, b41KC12(33), 41KC13(34), 41KC30(2), 41KC31
	**b41KC1K consists of b41KC1, b41KC12(33), 41KC13(35), 41KC30, 41KC31(2)
	†a41KC2K consists of a41KC2, 41KC3, 41KC4(8),

41KC5(4), 41KC6(12), 41KC7(2), 41KC8(4), a41KC15K, 41KC18(2), 41KC20(2), 41KC21(2), 41KC22(2)
§a41KC15K consists of a41KC15, a41KC16(2), a41KC17(2), 41KC18(2), a41KC23
*Can be fitted only at Workshops
Standard Keyboards numbered 22301 to 22836 inclusive and Duplex Keyboards numbered 0179 to 0212 inclusive were equipped with this part.
**Standard Keyboards numbered 24889 to 26048 inclusive and Duplex Keyboards numbered 0279 to 0389 inclusive were equipped with this part
Duplex Keyboard same as above quantities

#### 42KC

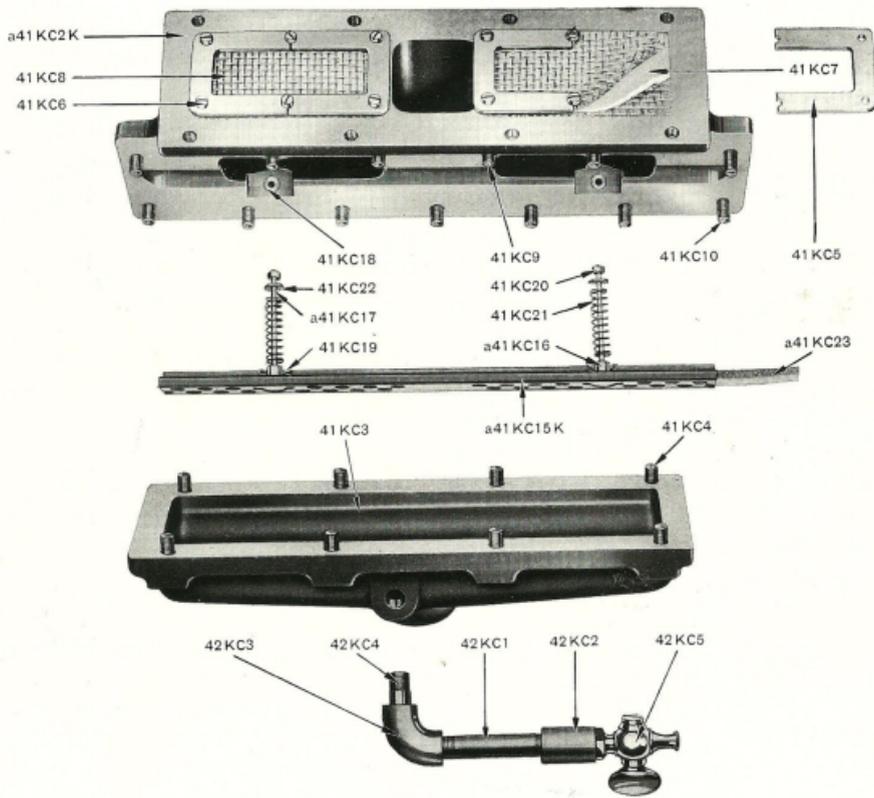
42KC1	Valve Bank Air Filter Vent Pipe
42KC2	Coupling
42KC3	Elbow
42KC4	Elbow Close Nipple
42KC5	Pet Cock, J*
<i>X42KC</i>	Valve Bank Air Filter Vent Pipe group; consists of 42KC1 to 5 inclusive
	Duplex Keyboard same as above quantities

*Additional Parts for Keyboards equipped with Key Transfer facilities*

**41KC**

**Valve Bank**

*b41KC2K\** Air Filter  
*41KC34* Air Filter Air Pipe Connector, elbow  
*41KC35* Air Filter Air Pipe Connector Lock Nut  
*Xm41KC* Valve Bank, STANDARD KEYBOARD, group; consists of b41KC1K, b41KC2K, 41KC9(4), 41KC10(8), 41KC11(10), b41KC24(2), a41KC25(2)  
*Xnd1KC* Valve Bank, DUPLEX KEYBOARD, group; consists of p41KC1K, b41KC2K, 41KC9(4), 41KC10(8), 41KC11(10) b41KC24(2), a41KC25(2)  
\*b41KC2K consists of b41KC2, 41KC3, 41KC4(8), 41KC5(4), 41KC6(12), 41KC7(2), 41KC8(4), a41KC15K, 41KC18(2), 41KC20(2), 41KC21(2), 41KC22(2), 41KC34 and 35



**PLATE 7**

## 30KC

### STANDARD KEYBOARD

<i>e30KC1K**</i>	Piston Block Base
<i>h30KC1</i>	Piston Block Base
<i>30KC21*</i>	Bracket, left
<i>30KC22*</i>	Bracket, left
<i>30KC3*</i>	Bracket, right
<i>30KC31*</i>	Bracket, right
<i>30KC4*</i>	Bracket Plate, for Pipes (see plate 9)
<i>30KC5</i>	Bracket Plate Screw, lower (2), $\frac{1}{4} \times \frac{1}{4}$ (see plate 9)
<i>30KC6</i>	Bracket Plate Screw, rear (2), $\frac{1}{4} \times \frac{1}{4}$ (see plate 9)
<i>30KC7</i>	Bracket Screw (4), $\frac{1}{2} \times \frac{1}{8}$
<i>30KC81*</i>	Pipe, from Plunger 11
<i>30KC82*</i>	Pipe, from Plunger 11 (see plate 9)
<i>30KC9*</i>	Pipe, from Plunger 4
<i>30KC91*</i>	Pipe, from Plunger 4 (see plate 9)
<i>30KC101*</i>	Pipe, from Plunger 15
<i>30KC101*</i>	Pipe, from Plunger 15 (see plate 9)
<i>30KC111*</i>	Pipe, from Plunger 5
<i>30KC111*</i>	Pipe, from Plunger 5 (see plate 9)
<i>30KC121*</i>	Pipe, from Plunger 13
<i>30KC121*</i>	Pipe, from Plunger 13 (see plate 9)
<i>30KC131*</i>	Pipe, from Plunger 10
<i>30KC131*</i>	Pipe, from Plunger 10 (see plate 9)
<i>30KC141*</i>	Pipe, from Plunger 2
<i>30KC141*</i>	Pipe, from Plunger 2 (see plate 9)
<i>30KC151*</i>	Pipe, from Plunger 14
<i>30KC151*</i>	Pipe, from Plunger 14 (see plate 9)
<i>30KC161*</i>	Pipe, from Plunger 7
<i>30KC161*</i>	Pipe, from Plunger 7 (see plate 9)
<i>30KC171*</i>	Pipe, from Plunger 16, -0005* justifying
<i>30KC171*</i>	Pipe, from Plunger 16, -0005* justifying (see plate 9)
<i>30KC181*</i>	Pipe, from Plunger 9
<i>30KC181*</i>	Pipe, from Plunger 9 (see plate 9)
<i>30KC191*</i>	Pipe, from Plunger 1
<i>30KC191*</i>	Pipe, from Plunger 1 (see plate 9)
<i>30KC201*</i>	Pipe, from Plunger 12 (see plate 9)
<i>30KC201*</i>	Pipe, from Plunger 12 (see plate 9)
<i>30KC211*</i>	Pipe, from Plunger 3
<i>30KC211*</i>	Pipe, from Plunger 3 (see plate 9)
<i>30KC221*</i>	Pipe, from Plunger 6
<i>30KC221*</i>	Pipe, from Plunger 6 (see plate 9)
<i>30KC231*</i>	Pipe, from Plunger 8
<i>30KC231*</i>	Pipe, from Plunger 8 (see plate 9)
<i>30KC241*</i>	Pipe, from Plunger B (see plate 9)
<i>30KC251*</i>	Pipe, from Plunger R
<i>30KC251*</i>	Pipe, from Plunger R (see plate 9)
<i>30KC26</i>	Pipe, from Plunger JD
<i>30KC271*</i>	Pipe, from Plunger A
<i>30KC271*</i>	Pipe, from Plunger A (see plate 9)
<i>30KC281*</i>	Pipe, from Plunger S
<i>30KC281*</i>	Pipe, from Plunger S (see plate 9)
<i>30KC291*</i>	Pipe, from Plunger 17, -0075* justifying
<i>30KC291*</i>	Pipe, from Plunger 17, -0075* justifying (see plate 9)
<i>30KC301*</i>	Pipe, from Plunger E

<i>a30KC30*</i>	Pipe, from Plunger E (see plate 9)
<i>30KC311*</i>	Pipe, from Plunger K
<i>30KC311*</i>	Pipe, from Plunger K (see plate 9)
<i>30KC321*</i>	Pipe, from Plunger I
<i>30KC321*</i>	Pipe, from Plunger I (see plate 9)
<i>30KC331*</i>	Pipe, from Plunger H
<i>30KC331*</i>	Pipe, from Plunger H (see plate 9)
<i>30KC341*</i>	Pipe, from Plunger O
<i>30KC341*</i>	Pipe, from Plunger O (see plate 9)
<i>30KC351*</i>	Pipe, from Plunger F
<i>30KC351*</i>	Pipe, from Plunger F (see plate 9)
<i>30KC361*</i>	Pipe, from Plunger N
<i>30KC361*</i>	Pipe, from Plunger N (see plate 9)
<i>30KC371*</i>	Pipe, from Plunger D
<i>30KC371*</i>	Pipe, from Plunger D (see plate 9)
<i>30KC381*</i>	Pipe, from Plunger G
<i>30KC381*</i>	Pipe, from Plunger G (see plate 9)
<i>30KC391*</i>	Pipe, from Plunger J
<i>30KC391*</i>	Pipe, from Plunger J (see plate 9)
<i>30KC401*</i>	Pipe, from Plunger L
<i>30KC401*</i>	Pipe, from Plunger L (see plate 9)
<i>30KC411*</i>	Pipe, from Plunger M
<i>30KC411*</i>	Pipe, from Plunger M (see plate 9)
<i>30KC421*</i>	Pipe, from Plunger C
<i>30KC421*</i>	Pipe, from Plunger C (see plate 9)
<i>30KC431*</i>	Pipe, from 29KC11 to 29KC9
<i>30KC441*</i>	Pipe, Bracket Plate to Reversing Valve Chest
<i>30KC441*</i>	Pipe, Bracket Plate to Reversing Valve Chest (see plate 9)
<i>30KC451*</i>	Pipe, Bracket Plate to Tension Arm Piston
<i>30KC451*</i>	Pipe, Bracket Plate to Tension Arm Piston (see plate 9)
<i>30KC461*</i>	Pipe, Reversing Valve to Unit Wheel Driving Cylinder, left (see plate 9)
<i>30KC471*</i>	Pipe, Piston Block Valve to Piston, restoring (see plate 9)
<i>30KC481*</i>	Pipe, -0005* Justifying Piston to Piston Block Valve
<i>a30KC48*</i>	Pipe, -0005* Piston to Piston Block Valve
<i>30KC491*</i>	Pipe, Restoring to Bell Bracket Piston (see plate 9)
<i>30KC501*</i>	Pipe, Reversing Valve to Unit Wheel Driving Cylinder, right (see plate 9)
<i>30KC511*</i>	Pipe, Justifying Space Piston to Piston for 17KB4 (see plate 9)
<i>30KC521*</i>	Pipe, Tension Arm Piston to Reversing Valve Chest
<i>30KC531*</i>	Pipe, Tension Arm Piston to Paper Feed Valve Chest
<i>30KC541*</i>	Pipe, Paper Feed Valve Chest to Paper Feed Driving Piston (see plate 9)
<i>30KC551*</i>	Pipe, Paper Feed Valve Chest to Paper Feed Return Piston (see plate 9)
<i>30KC561*</i>	Pipe, Piston Block Space Switch Piston to Piston Block Space Piston
<i>30KC57</i>	Screw (4), $\frac{1}{2} \times \frac{1}{8}$ , to Base
<i>a30KC58*</i>	Pipe, Exhaust for Space Counter (see plate 9)
<i>b30KC59*</i>	Pipe Bracket
<i>b30KC60*</i>	Pipe Bracket Pipe, front

<i>b30KC61*</i>	Pipe Bracket Pipe, rear
<i>a30KC63</i>	Pipe Bracket Screw (2), $\frac{1}{4} \times \frac{1}{4}$
<i>a30KC64*</i>	Pipe Bracket Pipe, JD
<i>z30KC67*</i>	Piston Block Base group: consists of a30KC1K, 30KC57(4), 39KC2, 39KC3(2), a39KC11
<i>Xh30KC</i>	Piston Block Base group: consists of b30KC1, a30KC2 and 3, 30KC4, 30KC5(2), 30KC6(2), 30KC7(4), a30KC8 to 16 inclusive, b30KC17, a30KC18 to 25 inclusive, b30KC26, a30KC27 to 42 inclusive, 30KC43, b30KC44, a30KC45, 30KC46 and 47, a30KC48 and 49, 30KC50 to 56 inclusive, 30KC57(4), a30KC58, b30KC59, 60 and 61, a30KC63(2), a30KC64, 30KC71, 72 and 73, 39KC2, 39KC3(3), a39KC11, Xa66KC
	*a30KC1K consists of a30KC1, 30KC2, 3 and 4, 30KC5(2), 30KC6(2), 30KC7(4), 30KC8 to 25 inclusive, 30KC27 to 43 inclusive, a30KC44, 30KC45, 46 and 47, a30KC48 and 49, 30KC50 to 56 inclusive, a30KC58
	†Can be fitted only at Workshops
	‡Standard Keyboards numbered 22301 to 22422 inclusive were equipped with this part
	§For packings supplied when Piston Block Base has been regrouped refer 31KB
	¶Standard Keyboards numbered 22301 to 24889 inclusive were equipped with these parts

## 39KC

<i>39KC1K*</i>	Tension Arm Connecting Rod Lever
<i>39KC2</i>	Bracket
<i>39KC3</i>	Bracket Screw (2), $\frac{1}{4} \times \frac{1}{4}$
<i>39KC4†</i>	Bush, centre
<i>39KC5†</i>	Bush Ring
<i>39KC6†</i>	Bush, end
<i>39KC7†</i>	Bush Ring
<i>39KC8</i>	Fulcrum Pin
<i>39KC9</i>	Fulcrum Pin Split Pin (2), $\frac{1}{8} \times \frac{1}{8}$
<i>39KC10</i>	Roller Bearing (see plate 9)
<i>a39KC11</i>	Bracket Oil Pad
<i>z39KC</i>	Tension Arm Connecting Rod Lever group: consists of 39KC1K, 39KC2, 39KC3(2), 39KC8, 39KC9(2), 39KC10, a39KC11

## 41KC

<i>h41KC1K</i>	Valve Bank, STANDARD KEYBOARD
<i>b41KC12</i>	Plunger (33)
<i>41KC13</i>	Plunger Bush (34) or (35)
<i>b41KC24</i>	Oil Pipe (2), STANDARD KEYBOARD
<i>a41KC25</i>	Oil Pipe Cap (2)
<i>41KC31</i>	Plunger, green key reversing (1) or (2)
	Duplex Keyboard same as above quantity

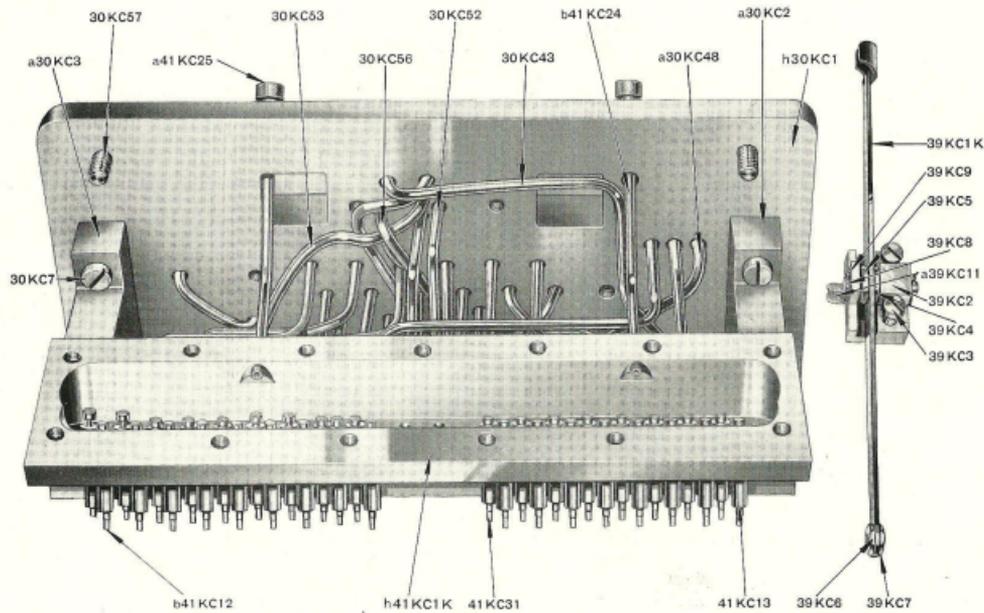
**Additional Parts for Keyboards equipped with Key Transfer facilities**

**30KC**

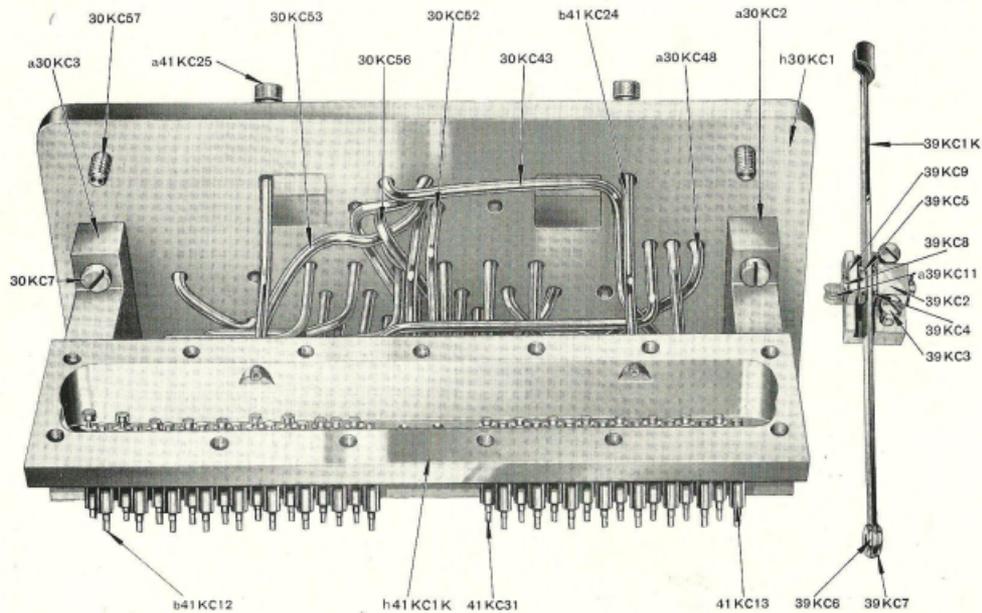
**Piston Block Base, STANDARD KEYBOARD**

<i>a30KC17*</i>	Pipe, from Plunger 16, -0005 justifying
<i>b30KC36</i>	Pipe, from Plunger N to Tee
<i>30KC73</i>	Pipe Tee (N)
<i>30KC74</i>	Pipe (N), from Tee to Piston
<i>30KC75</i>	Pipe (N), from Tee to Double Exposure
<i>X30KC</i>	Piston Block Base STANDARD KEYBOARD, group; consists of h30KC1, a30KC2 and 3, 30KC4, 30KC5(2), 30KC6(2), 30KC7(4), a30KC8 to 25 inclusive, b30KC26, a30KC27 to 35 inclusive, b30KC36, a30KC37 to 42 inclusive, 30KC43, b30KC44, a30KC45, 30KC46 and 47, a30KC48 and 49, 30KC50 to 56 inclusive, 30KC57(4), a30KC58, b30KC59, 60 and 61, a30KC63(2), a30KC64, 30KC73, 74 and 75, 39KC2, 39KC3(2), a39KC11, Xa66KC

\*The fitting of this part requires special skill and/or tools not normally in the possession of an operator. It is recommended that the 'Monotype' Area Technical Representative is contacted before ordering



**PLATE 8**



**30KC****STANDARD KEYBOARD****Piston Block Base**

30KC4	Bracket Plate
30KC5	Bracket Plate Screw, lower (2), $\frac{1}{4} \times \frac{3}{4}$ "
30KC6	Bracket Plate Screw, rear (2), $\frac{1}{4} \times \frac{3}{4}$ "
a30KC8	Pipe, from Plunger 11
a30KC9	Pipe, from Plunger 4
a30KC10	Pipe, from Plunger 15
a30KC11	Pipe, from Plunger 5
a30KC12	Pipe, from Plunger 13
a30KC13	Pipe, from Plunger 10
a30KC14	Pipe, from Plunger 2
a30KC15	Pipe, from Plunger 14
a30KC16	Pipe, from Plunger 7
b30KC17	Pipe, from Plunger 16, 0005" justifying
a30KC18	Pipe, from Plunger 9
a30KC19	Pipe, from Plunger 1
a30KC20	Pipe, from Plunger 12
a30KC21	Pipe, from Plunger 3
a30KC22	Pipe, from Plunger 6

a30KC23	Pipe, from Plunger 8
a30KC24	Pipe, from Plunger B
a30KC25	Pipe, from Plunger R
a30KC27	Pipe, from Plunger A
a30KC28	Pipe, from Plunger S
a30KC29	Pipe, from Plunger 17, .0075" justifying
a30KC30	Pipe, from Plunger E
a30KC31	Pipe, from Plunger K
a30KC32	Pipe, from Plunger I
a30KC33	Pipe, from Plunger H
a30KC34	Pipe, from Plunger O
a30KC35	Pipe, from Plunger F
a30KC36	Pipe, from Plunger N
a30KC37	Pipe, from Plunger D
a30KC38	Pipe, from Plunger G
a30KC39	Pipe, from Plunger J
a30KC40	Pipe, from Plunger L
a30KC41	Pipe, from Plunger M
a30KC42	Pipe, from Plunger C
b30KC44	Pipe, Bracket Plate to Reversing Valve Chest
a30KC45	Pipe, Bracket Plate to Tension Arm Piston
30KC46	Pipe, Reversing Valve to Unit Wheel Driving Cylinder, left

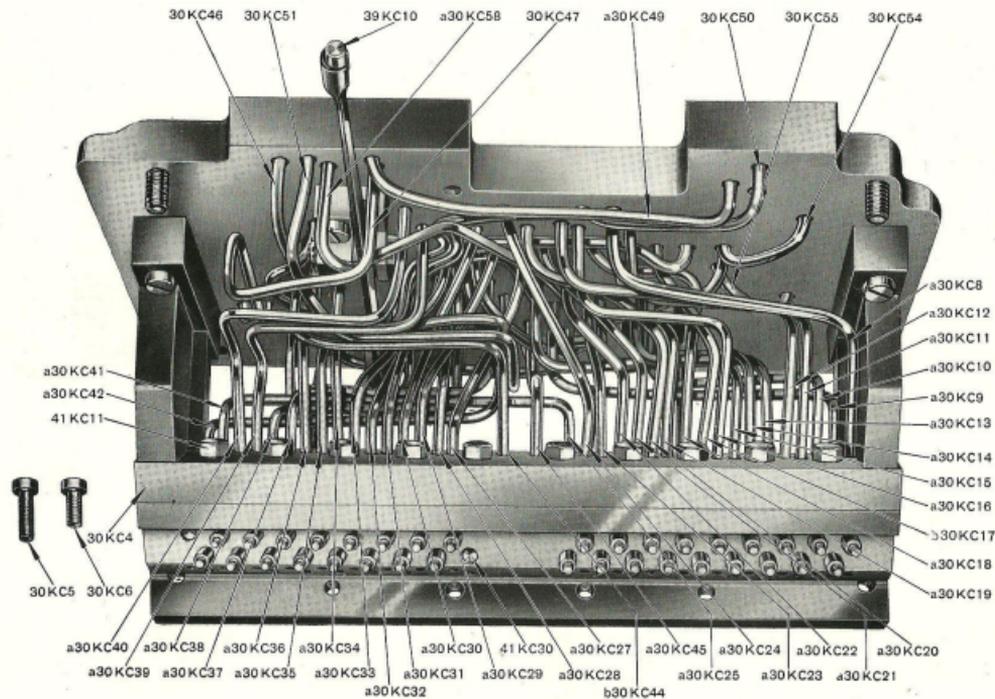
30KC47	Pipe, Piston Block Valve to Piston, restoring
a30KC49	Pipe, Piston, restoring to Bell Bracket Piston
30KC50	Pipe, Reversing Valve to Unit Wheel Driving Cylinder, right
30KC51	Pipe, Justifying Space Piston to Piston for 17K B4
30KC54	Pipe, Paper Feed Valve Chest to Paper Feed Driving Piston
30KC55	Pipe, Paper Feed Valve Chest to Paper Feed Return Piston
a30KC58	Pipe, exhaust for Space Counter

**39KC**

39KC10	Tension Arm Connecting Rod Lever Roller Bearing Duplex Keyboard double above quantity
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**41KC**

41KC11	Valve Bank Bolt (10), $\frac{1}{4} \times \frac{1}{2}$ ", hexagon, to 30KC7
41KC30	Plug, (2) of (1) Duplex Keyboard same as above quantity



**PLATE 9**

**26KC**  
 a26KC1 Pipe, in Piston Block, assembled, to a46KB8  
 26KC2 Union, female end  
 Ya26KC Pipe group: consists of a26KC1, 26KC2  
 Duplex Keyboard double above quantities

**27KC**  
 a27KC1 Pipe, right, in Piston Block, to d36KB4  
 a27KC2 Pipe, left, in Piston Block, to d36KB4  
 27KC3 Union, female end (2)  
 a27KC4 Lock Nut (2)  
 A27KC Pipe group: consists of a27KC1 and 2, 27KC3(2),  
 a27KC4(2)  
 Duplex Keyboard double above quantities

**28KC**  
 28KC1 Piston, regular (32),  $\frac{5}{16}$ " diameter  
 28KC1r1 Piston, regular,  $\frac{5}{16}$ " diameter, .0005" oversize, for  
 repairs  
 28KC1r2 Piston, regular,  $\frac{5}{16}$ " diameter, .0015" oversize, for  
 repairs  
 28KC2 Piston, restoring,  $\frac{11}{16}$ " diameter  
 28KC2r1 Piston, restoring,  $\frac{11}{16}$ " diameter, .0005" oversize, for  
 repairs  
 a28KC3 Piston, Punch return,  $\frac{3}{8}$ " diameter  
 a28KC3r1 Piston, Punch return,  $\frac{3}{8}$ " diameter, .0006" oversize,  
 for repairs

a28KC3r2 Piston, Punch return,  $\frac{3}{8}$ " diameter, .0020" oversize,  
 for repairs  
 28KC5 Piston, reversing, Paper Feed, Justifying Scale  
 Pointer (4),  $\frac{3}{8}$ " diameter  
 28KC5r1 Piston, reversing, Paper Feed, Justifying Scale  
 Pointer,  $\frac{3}{8}$ " diameter, .0006" oversize, for repairs  
 28KC5r2 Piston, reversing, Paper Feed, Justifying Scale  
 Pointer,  $\frac{3}{8}$ " diameter, .0020" oversize, for repairs  
 28KC6 Piston, red key reversing,  $\frac{1}{2}$ " diameter  
 28KC6r1 Piston, red key reversing,  $\frac{1}{2}$ " diameter, .0005" over-  
 size, for repairs  
 28KC6r2 Piston, red key reversing,  $\frac{1}{2}$ " diameter, .0015" over-  
 size, for repairs  
 28KC7 Piston,  $\frac{1}{2}$ " diameter, Double Exposure Attach-  
 ment  
 28KC7r1 Piston,  $\frac{1}{2}$ " diameter, .0005" oversize, Double Ex-  
 posure Attachment  
 28KC7r2 Piston,  $\frac{1}{2}$ " diameter, .0015" oversize, Double Ex-  
 posure Attachment  
 28KC8 Seating Ring (38)  
 28KC9 Seating Ring, for piston, restoring  
 Xb28KC Piston group: consists of 28KC1(32), 28KC2,  
 a28KC3, 28KC3(4), 28KC6, 28KC8(38), 28KC9  
 Duplex Keyboard double above quantities

## 29KC

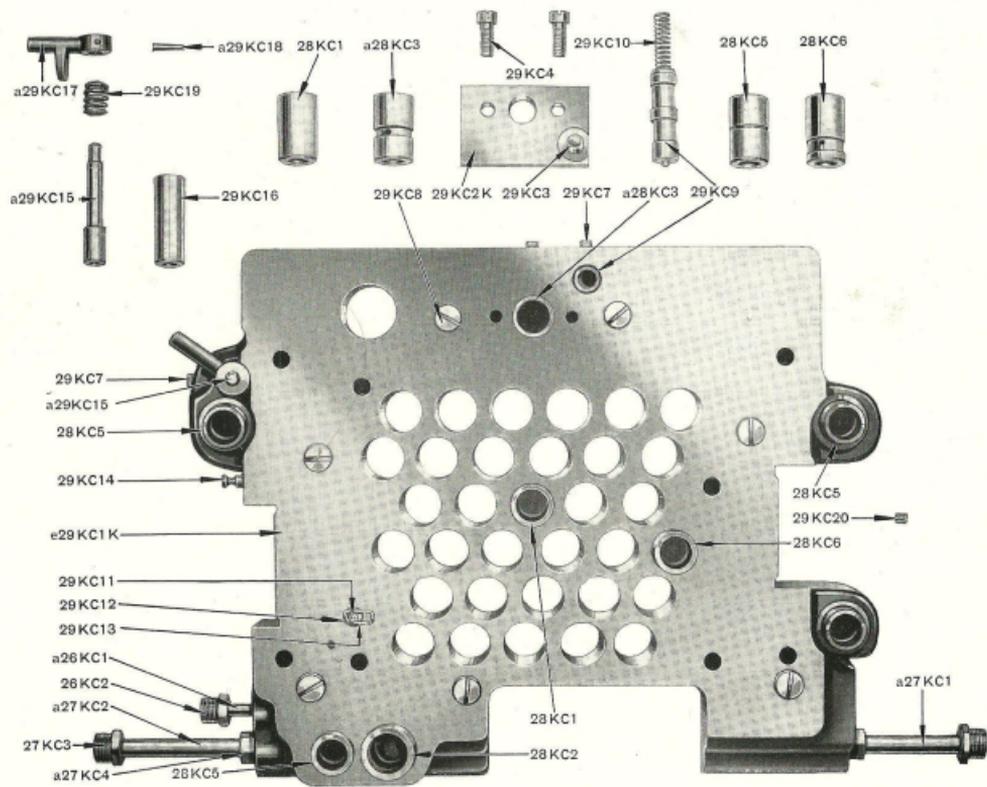
e29KC1K\* Piston Block  
 29KC2K† Plate  
 29KC3 Plate Pin, for Space Switch Piston Spring

29KC4 Plate Screw (2),  $\frac{1}{8}$ " x  $\frac{1}{4}$ "  
 29KC7 Plug Screw (4), 190° x  $\frac{3}{16}$ ", grub  
 29KC8 Screw (8),  $\frac{1}{4}$ " x  $1\frac{1}{4}$ ", to Base  
 29KC9 Space Switch Piston  
 29KC9r1 Space Switch Piston, .0002" oversize, for repairs  
 29KC9r2 Space Switch Piston, .0004" oversize, for repairs  
 29KC10 Space Switch Piston Spring  
 29KC11 Space Switch Valve Plunger  
 29KC12 Space Switch Valve Plunger Bush  
 29KC13 Space Switch Valve Plunger Link  
 29KC14 Spring Post, for 39KC5  
 a29KC15 Valve, for shifting the reverse  
 29KC16 Valve Bush  
 a29KC17 Valve Handle  
 a29KC18 Valve Handle Taper Pin  
 29KC19 Valve Spring  
 29KC20 Plug Screw,  $\frac{1}{8}$ " x  $\frac{1}{2}$ ", grub  
 29KC24 Air Pipe, COMBINED SPACING ATTACH-  
 MENT  
 29KC25 Air Pipe Lock Nut, COMBINED SPACING  
 ATTACHMENT  
 X/29KC Piston Block group: consists of e29KC1K,  
 29KC2K, 29KC4(2), 29KC7(4), 29KC8(8),  
 29KC9, 10 and 11, 29KC13 and 14, a29KC15,  
 a29KC17, a29KC18, 29KC19  
 \*e29KC1K consists of e29KC1, 29KC12, 29KC16,  
 29KC20  
 †29KC2K consists of 29KC2 and 3  
 †Can be fitted only at Workshops  
 Duplex Keyboard double above quantities

**Additional Parts for Keyboards equipped with Key Transfer facilities**

**29KC**

- g*29KC1K\*† Piston Block  
*a*29KC9 Space Switch Piston  
29KC23 Air Pipe Connector  
*Xh*29KC Piston Block group: consists of *g*29KC1K,  
29KC2K, 29KC4(2), 29KC7(4), 29KC8(8),  
*a*29KC9, 29KC10, and 11, 29KC13 and 14,  
*b*29KC15, 29KC19, 29KC23(2)  
\**g*29KC1K consists of *g*29KC1, 29KC12, 29KC16,  
29KC20(2)  
†The fitting of this part requires special skill and/or  
tools not normally in the possession of an  
operator. It is recommended that the "Monotype"  
Area Technical Representative is contacted  
before ordering  
Duplex Keyboard double above quantities



**PLATE IO**

#### 4KC

- 4KC1 Paper Feed Piston Link (2)  
b4KC2K\* Lever  
c4KC3 Lever Pin (2)  
b4KC6 Lever Stud, for Paper Feed Rod Eye  
b4KC9 Lever Plate  
Paper Feed Piston Link group: consists of 4KC1(2), b4KC2K, c4KC3(2), b4KC9  
\*b4KC2K consists of b4KC2, b4KC6  
Duplex Keyboard double above quantities

#### 10KC

- Paper Feed Valve  
10KC1 Lever  
10KC2K\* Lever Pin  
a10KC3 Lever Roller  
10KC4 Lever Roller  
10KC5 Lever Roller Stud  
10KC6 Lever Roller Stud Nut  
X10KC Paper Feed Valve group: consists of 10KC1, 10KC2K  
\*10KC2K consists of 10KC2, a10KC3, 10KC4, 5 and 6  
Duplex Keyboard double above quantities

#### 11KC

- b11KC1K\* Paper Feed Valve Bracket  
c11KC1K\* Paper Feed Valve Bracket, COMBINED SPACING ATTACHMENT (see plate 37)  
11KC2 Plug Screw (2),  $190 \times \frac{1}{8}$ , grub  
11KC3 Screw (4),  $\frac{1}{8} \times \frac{1}{2}$   
11KC4 Stud, for Paper Feed Piston Link Lever  
11KC5 Stud, for Paper Feed Piston Link Lever  
11KC6 Stud Washer  
11KC7 Stud, for Paper Feed Valve Lever

- a11KC8 Piston, Cut-off, COMBINED SPACING ATTACHMENT (see plate 37)  
a11KC9 Piston Block, COMBINED SPACING ATTACHMENT (see plate 37)  
a11KC10 Piston Block Cover, COMBINED SPACING ATTACHMENT (see plate 37)  
11KC11 Piston Block Plug Screw (2),  $1 \times \frac{1}{2}$ , COMBINED SPACING ATTACHMENT (see plate 37)  
11KC12 Piston Spring, COMBINED SPACING ATTACHMENT (see plate 37)  
11KC13K\* Plate, COMBINED SPACING ATTACHMENT (see plate 37)  
11KC14 Plug Screw,  $\frac{3}{8} \times 135$ , COMBINED SPACING ATTACHMENT (see plate 37)  
11KC15 Screw, bottom (2),  $\frac{1}{8} \times 2$ , COMBINED SPACING ATTACHMENT (see plate 37)  
11KC16 Plate Pin, COMBINED SPACING ATTACHMENT (see plate 37)  
11KC17 Piston Block Cover Air Pipe Connector, COMBINED SPACING ATTACHMENT (see plate 37)  
X11KC Paper Feed Valve Bracket group: consists of b11KC1K, 11KC3(4), 11KC5 and 6  
Xb11KC Paper Feed Valve Bracket, COMBINED SPACING ATTACHMENT, group: consists of c11KC1K, 11KC3(2), 11KC5 and 6, a11KC8, 9 and 10, 11KC11(2), 11KC12, 11KC13K, 11KC15(2), 11KC17  
\*b11KC1K consists of b11KC1, 11KC2(2), a11KC4, 11KC6  
†c11KC1K consists of c11KC1, 11KC2(2), a11KC4, 11KC7  
‡11KC13K consists of 11KC13, 11KC16  
§Standard Keyboards numbered 22301 to 24399 inclusive and Duplex Keyboards numbered 0179 to 0277 inclusive were equipped with this part  
Duplex Keyboard double above quantities

#### 36KC

- 36KC1 Reversing Valve  
a36KC2K\* Lever Bell Crank  
a36KC3 Lever Pin  
36KC4 Lever Bell Crank Piston Link  
36KC5 Lever Bell Crank Spring  
a36KC6 Lever Bell Crank Spring Post  
a36KC7 Lever Bell Crank Stud  
a36KC8 Lever Bell Crank Stud Split Pin,  $\frac{1}{8} \times \frac{1}{2}$   
a36KC9 Lever Bell Crank Stud Washer  
a36KC10K\* Lever  
a36KC11 Lever Spring  
a36KC12 Lever Spring Pin  
X36KC Reversing Valve group: consists of 36KC1, a36KC2K, 36KC4 and 5, a36KC10K, a36KC11  
\*a36KC2K consists of a36KC2, a36KC6 to 9 inclusive  
†a36KC10K consists of a36KC3, a36KC10, a36KC12  
Duplex Keyboard double above quantities
- #### 37KC
- a37KC1K\* Reversing Valve Bracket  
37KC2 Plug Screw (2),  $190 \times \frac{1}{8}$ , grub  
37KC3 Screw (4),  $\frac{1}{8} \times \frac{1}{2}$   
37KC4 Stud, for reversing Valve Lever Bell Crank  
37KC4\* Stud, for reversing Valve Lever Bell Crank, assembled  
37KC5 Stud Nut  
37KC6 Stud Washer  
X37KC Reversing Valve Bracket group: consists of a37KC1K, 37KC3(4), 37KC5 and 6  
\*a37KC1K consists of a37KC1, 37KC2(2), a37KC4  
†Standard Keyboards numbered 22301 to 24399 inclusive and Duplex Keyboards numbered 0179 to 0277 inclusive were equipped with this part  
Duplex Keyboard double above quantities

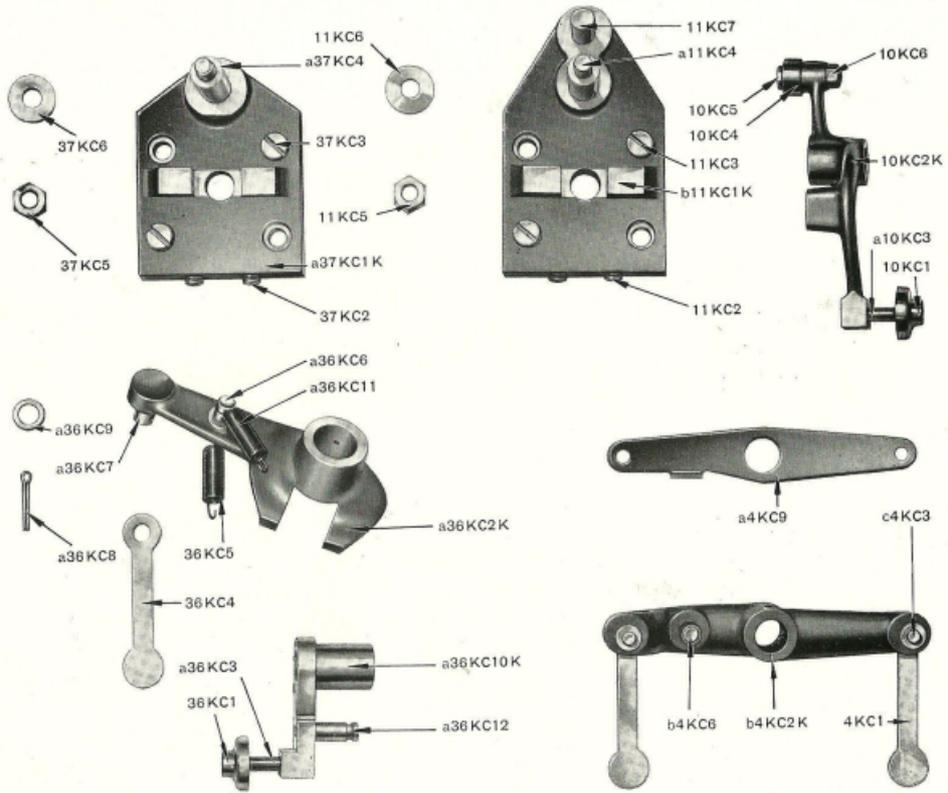
## PLATE II

A symbol in italics is not illustrated unless referred to another plate

Additional Parts for Keyboards equipped with Key Transfer facilities

**11KC**

<i>e</i> 11KC1K*	Paper Feed Valve Bracket	11KC24	Switch Knob
11KC3	Screw (2), $\frac{1}{8}$ " $\times$ $\frac{1}{4}$ "	11KC25	Switch Spring
<i>a</i> 11KC8	Piston, Cut-off	11KC26	Switch Spring Plunger
<i>a</i> 11KC9	Piston Block	11KC27	Switch Spring Plunger Ball
11KC11	Piston Block Plug Screw (2), $\frac{1}{4}$ " $\times$ $\frac{5}{16}$ "	11KC28	Switch Spring Retaining Screw, $\frac{1}{16}$ " $\times$ $\frac{1}{8}$ ", grub
11KC12	Piston Spring	11KC29	Switch Guide Screw
11KC13K†	Plate	<i>X</i> 11KC	Paper Feed Valve Bracket group; consists of
11KC14	Plug Screw, $\frac{1}{8}$ " $\times$ -135°		e11KC1K, 11KC2(2), 11KC5 and 6, a11KC8
<i>a</i> 11KC15	Screw (2), $\frac{1}{8}$ " $\times$ $2\frac{1}{4}$ " to Piston Block		and 9, 11KC11(2), 11KC12, 11KC13K,
11KC16	Plate Pin		a11KC15(2), a11KC18 assd.
<i>a</i> 11KC18 assd.‡	Switch, assembled		*e11KC1K consists of e11KC1, 11KC2(2), a11KC4,
<i>a</i> 11KC18	Switch		11KC7, 11KC14
11KC19	Switch Air Pipe Connector		†11KC13K consists of 11KC13, 11KC16
<i>a</i> 11KC20K§	Switch Body		‡a11KC18 assd. consists of a11KC18, 11KC19,
11KC21	Switch Body Plug Screw		a11KC20K, 11KC22(2), 11KC23 to 29 inclusive
11KC22	Switch Indicator Plate, direction		§a11KC20K consists of a11KC20, 11KC21
11KC23	Switch Indicator Plate, position		Duplex Keyboard double above quantities



**PLATE II**

### 3KB

3KB1 Bell Trip Lever  
3KB2 Spring  
3KB3 Stud  
X3KB Bell Trip Lever group; consists of 3KB1, 2 and 3  
Duplex Keyboard double above quantities

### 18KB

18KB1 Justifying Scale Pointer Pawl Spring Post  
18KB2 Nut  
18KB3 Plate  
X18KB Justifying Scale Pointer Pawl Spring Post group; consists of 18KB1, 2 and 3  
Duplex Keyboard double above quantities

### 28KB

28KB1 Unit Rack Abutment Adjusting Stud  
28KB2 Nut  
X28KB Unit Rack Abutment Adjusting Stud group; consists of 28KB1 and 2  
Duplex Keyboard double above quantities

### 30KB

30KB1 Unit Rack Slide Abutment  
30KB2 Adjusting Screw (2)  
30KB3 Screw,  $\frac{1}{8} \times \frac{1}{4}$ , hexagon  
X30KB Unit Rack Slide Abutment group; consists of 30KB1, 30KB2(2), 30KB3  
Duplex Keyboard double above quantities

### 35KB

b55KB1 Unit Wheel (not supplied separately, order Xb35KB)  
a35KB2 Shaft (not supplied separately, order Xb35KB)  
35KB3 Unit Wheel group; consists of b35KB1, a35KB2, 35KB3(6)  
Duplex Keyboard double above quantities

### 36KB

a36KB1 Unit Wheel Driving Cylinder (2)  
b36KB1 Unit Wheel Driving Cylinder (2), 90-EM SCALE ATTACHMENT (see plate 28)  
a36KB2 Head, right  
b36KB3 Ring (2)  
c36KB4 Ring Pipe (2)  
a36KB4#1 Ring Pipe (2), 90-EM SCALE ATTACHMENT  
c36KB4#2 Ring Pipe (2), 90-EM SCALE ATTACHMENT (see plate 28)  
d36KB4 Ring Pipe (2)  
36KB5 Ring Pipe Union, male end (2)  
36KB6 Ring Pipe Union Nut (2)  
b36KB7 Head Abutment  
a36KB8 Head Abutment Spring  
a36KB9 Head Abutment Stud  
36KB10 Ring Gland (2)  
36KB11 Ring Gland Packing (2)  
36KB12 Head Seating Ring (4)  
Xc36KB Unit Wheel Driving Cylinder, Duplex Keyboard, group; each consists of a36KB1(2), a36KB2, b36KB3(2), d36KB4(2), 36KB5(2), 36KB6(2),

Xc36KB b36KB7, 36KB23(2), 36KB24(2), 36KB25(4)  
Unit Wheel Driving Cylinder, Standard Keyboard, group; consists of b36KB1(2), 36KB2, a36KB3(2), c36KB4(2), 36KB5(2), 36KB6(2), a36KB7 ass'd., 36KB23(2), 36KB24(2)  
\*Standard Keyboards numbered 22301 to 24056 inclusive and Duplex Keyboards numbered 0179 to 0265 inclusive were equipped with this part  
†Attachments supplied prior to May, 1952, were equipped with this part  
Duplex Keyboard double above quantities

### 37KB

b37KB1\* Unit Wheel Driving Rack, 90-EM SCALE ATTACHMENT  
c37KB1 Unit Wheel Driving Rack  
d37KB1 Unit Wheel Driving Rack, 90-EM SCALE ATTACHMENT (see plate 28)  
Piston (2)  
37KB2 Piston Packing, leather (2)  
37KB4 Piston Stud (2)  
a37KB5 Piston Washer (2)  
a37KB6 Piston Washer Screw (2),  $\frac{1}{8} \times \frac{1}{4}$ , STANDARD KEYBOARD  
b37KB6 Piston Washer Screw (4),  $\frac{1}{8} \times \frac{1}{4}$ , "Allen", DUPLX KEYBOARD  
Rider, Stop for Justifying Scale Driving Rack Shoe  
b37KB7  
37KB11  
Xb37KB#1 Unit Wheel Driving Rack, STANDARD KEYBOARD, group; consists of c37KB1, 37KB2(2), 37KB3(2), 37KB4(2), a37KB5(2), a37KB6(2), b37KB7, 37KB11  
Xc37KB Unit Wheel Driving Rack, DUPLX KEYBOARD, group (2); each consists of c37KB1, 37KB2(2), 37KB3(2), 37KB4(2), a37KB5(2), 37KB6(2), b37KB7, 37KB11  
Xd37KB Unit Wheel Driving Rack, Standard Keyboard, group; consists of d37KB1, 37KB2(2), 37KB3(2), 37KB4(2), a37KB5(2), a37KB6(2), b37KB7, 37KB11  
\*Attachments supplied prior to 22nd May, 1946, were equipped with this part  
†Standard Keyboards numbered 22130 to 27315 inclusive were equipped with this part  
Duplex Keyboard double above quantities

### 41KB

a41KB1#1 Unit Wheel Pawl Spring  
b41KB1 Unit Wheel Pawl Spring  
a41KB2#1 Plate  
a41KB2#2 Plate (2)  
a41KB2#3 Felt (2)  
a41KB2#4 Level  
41KB5 Lever Bush  
41KB7 Lever Fulcrum Pin, in Unit Wheel Standard Cap  
a41KB8 Lever Link  
41KB10 Lever Pin, for Link  
41KB11 Lever Pin, for Spring  
41KB12 Lever Pin Split Pin (2),  $\frac{1}{8} \times \frac{1}{4}$   
41KB13 Lever Pin Washer (2)  
41KB14 Post, in Unit Wheel Standard  
41KB16 Unit Wheel Pawl Spring group; consists of a41KB1, 2 and 3, a41KB4(3)  
Xb41KB Unit Wheel Pawl Spring group; consists of b41KB1, b41KB3(2), 41KB5, 41KB7, a41KB8, 41KB14(2), 41KB15(2), 41KB16

\*41KB5K consists of 41KB5 and 6, 41KB12 and 13.  
†Standard Keyboards numbered 22301 to 25756 inclusive and Duplex Keyboards numbered 0179 to 0393 inclusive were equipped with these parts  
Duplex Keyboard double above quantities

### 42KB

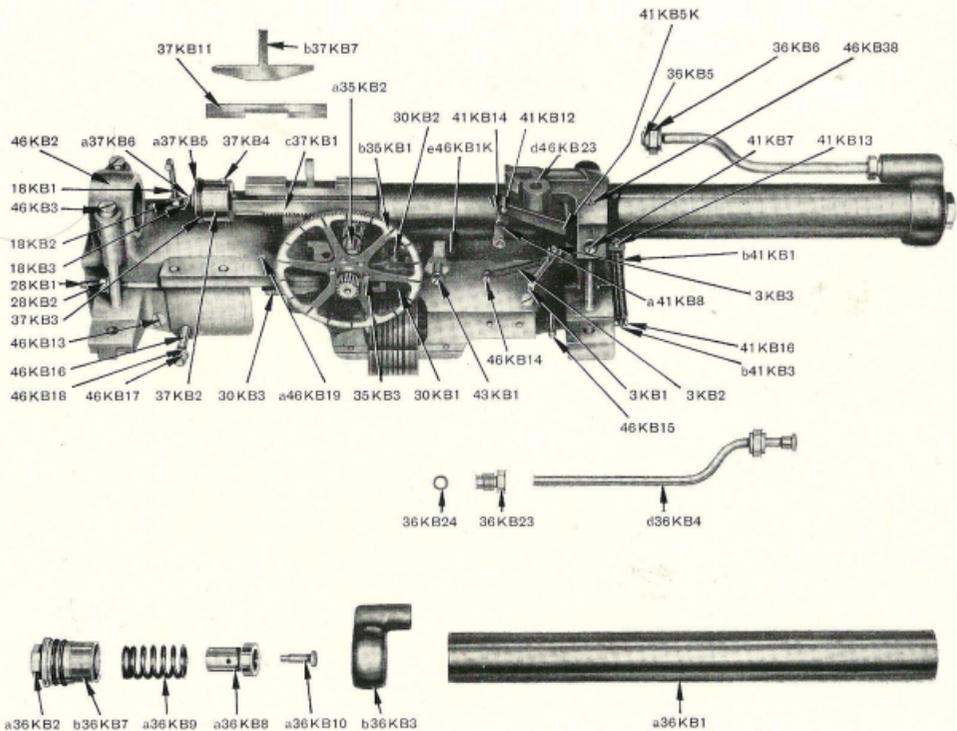
STANDARD KEYBOARDS numbered 22301 to 25756 inclusive and DUPLX KEYBOARDS numbered 0179 to 0393 inclusive  
Unit Wheel Pawl Spring Post, in Unit Wheel Standard Nut  
Unit Wheel Pawl Spring Post group; consists of 42KB1 and 2  
Duplex Keyboard double above quantities

### 43KB

43KB1 Unit Wheel Pawl Stud  
Duplex Keyboard double above quantity

### 46KB

d46KB1K\* Unit Wheel Standard  
a46KB1K Unit Wheel Standard  
46KB2#1 Cap, left, for Unit Wheel Driving Cylinder  
46KB3 Cap Screw (3),  $1 \times \frac{1}{8}$   
46KB3#1#1 Cap, for Unit Wheel Shaft (see plate 15)  
46KB6 Cap Head (see plate 15)  
46KB6#1 Cap Head Pipe (see plate 15)  
46KB8 Cap Head Pipe Union, male end (2) (see plate 15)  
46KB10 Cap Head Pipe Union Nut (2) (see plate 15)  
46KB11 Cap Screw (4),  $\frac{1}{8} \times \frac{1}{4}$  (see plate 14)  
46KB12 Cap Head, for 35KB1K (see plate 14)  
46KB13 Screw (4),  $\frac{1}{8} \times \frac{1}{4}$   
46KB14 Spring Post, for Bell Trip Lever Spring  
46KB15 Spring Post, for Unit Wheel Pawl Latch Spring  
46KB16 Stud, for 29KB2  
46KB17 Stud Nut  
46KB18 Stud Washer  
46KB19 Oil Pipe  
c46KB22#1 Cap, right, for Unit Wheel Driving Cylinder  
d46KB22#2 Cap, right, for Unit Wheel Driving Cylinder  
46KB23 Stud, for Justifying Scale Gear  
a46KB27 Stud Screw,  $\frac{1}{8} \times \frac{1}{4}$  (see plate 15)  
a46KB31 Stud Screw Washer (see plate 15)  
a46KB32 Cap Bush (not supplied separately, order f46KB3K)  
a46KB33 Cap Bush Screw (2),  $1 \times \frac{1}{8}$ , grub (not supplied separately, order f46KB3K)  
46KB38 Unit Wheel Standard group; consists of d46KB1K, b46KB6, a46KB8, 46KB9(2), 46KB10(2), 46KB13(4), 46KB33 and 34  
\*46KB1K consists of a46KB1, 46KB2, 46KB3(3), f46KB5K, 46KB11(4), 46KB14 to 18 inclusive, 46KB19, d46KB23, 46KB38  
†46KB5K consists of f46KB5, 46KB12, a46KB32, a46KB35, b46KB36(2). This part cannot be supplied separately. It is necessary to return Unit Wheel Standard a46KB1K to have same fitted.  
‡Can be fitted only at Workshops  
§Standard Keyboards numbered 22301 to 25756 inclusive and Duplex Keyboards numbered 0179 to 0393 inclusive were equipped with this part  
Duplex Keyboard double above quantities



**PLATE 12**

## 26KB

d26KB1 Unit Rack  
e26KB1 Unit Rack, One-Unit Space ('Monophoto'  
Filmsetter) Attachment  
Duplex Keyboard double above quantity

## 27KB

e27KB1 Unit Rack Abutment  
f27KB1 Unit Rack Abutment, UNIT ADDING ATTACH-  
MENT (see plate 30)

d27KB5 Bracket  
d27KB5 ass'd.† Bracket, assembled

d27KB5 Bracket, UNIT ADDING ATTACHMENT (see  
plate 30)

k27KB5 ass'd.† Bracket, assembled, UNIT ADDING AT-  
TACHMENT

27KB7 Bracket Screw (3),  $\frac{3}{8}$ " x  $\frac{1}{2}$ ", hexagon

27KB8 Bracket Screw Washer (3)

d27KB11K† Bracket Cover, UNIT ADDING ATTACH-  
MENT

d27KB11K† Bracket Cover, UNIT ADDING ATTACH-  
MENT (see plate 30)

a27KB12 Bracket Cover Block

b27KB13 Bracket Cover Screw (3),  $\frac{3}{8}$ " x  $\frac{1}{2}$ "

a27KB14 Detent

a27KB15 Detent Spring

a27KB16 Spring

27KB18 Pad

a27KB19 Pad Guide

a27KB20 Pad Guide Screw,  $\frac{1}{2}$ " x  $\frac{1}{2}$ ", countersunk

d27KB28 Guide, lower, for Unit Distance Piece, UNIT  
ADDING ATTACHMENT (see plate 30)

27KB29 Guide Screw (2),  $\frac{3}{8}$ " x  $\frac{1}{2}$ ", UNIT ADDING  
ATTACHMENT (see plate 30)

27KB31 Guide, upper, for Unit Distance Piece, UNIT  
ADDING ATTACHMENT (see plate 30)

d27KB32 Guide Screw,  $\frac{3}{8}$ " x  $\frac{1}{2}$ ", UNIT ADDING AT-  
TACHMENT (see plate 30)

xd27KB Unit Rack Abutment group, consists of d27KB5  
ass'd., 27KB7(3), 27KB8(3)

\*d27KB5 ass'd. consists of e27KB1, d27KB5,  
d27KB11K, b27KB13(3), a27KB14, 15 and 16,  
27KB18, a27KB19 and 20

†k27KB5 ass'd. consists of (27KB1, 27KB5,  
b27KB11K, b27KB13(3), a27KB14, 15 and 16,  
27KB28, 27KB29(2), 27KB31 and 32

†d27KB11K consists of d27KB11, a27KB12  
and 27KB11K consists of (27KB11, a27KB12

†Attachments supplied prior to 26th September,  
1952, were equipped with this part

Duplex Keyboard double above quantities

## 29KB

e29KB1\* Unit Rack Slide  
29KB2 Eayn's Wash  
a29KB3 Shoe, for Unit Wheel Pawl Latch  
a29KB3r/ Shoe, for Unit Wheel Pawl Latch, for repairs

a29KB4 Shoe Rivet (2)

a29KB5 Stud, for Unit Wheel Pawl Latch Operating  
Lever

a29KB6 Stud Nut

d29KB7 Guide

b29KB8 Guide Rivet (3)

xd29KB Unit Rack Slide group; consists of e29KB1K,  
29KB2, a29KB5 and 6

\*e29KB1K consists of e29KB1, a29KB3, a29KB4(2),  
b29KB7, b29KB8(3)

Duplex Keyboard double above quantities

## 31KB

31KB1 Unit Rack Stop, Nos. 3, 5, 7, 9, 11, 13, 15, 17 (8)  
(lug on top)

f31KB1K\* Unit Rack Stop, No. 1 (4 Unit, hinged lug)

31KB2 Unit Rack Stop, Nos. 4, 6, 8, 10, 12, 14, 16, 18 (8)

e31KB2 Unit Rack Stop, No. 2 (5 Unit, lug on bottom)

a31KB3K†

a31KB4 Bracket Guide, right

a31KB5 Bracket Guide, left

31KB6 Bracket Guide Rivet (4)

31KB7 Bracket Screw (4),  $\frac{1}{2}$ " x  $\frac{3}{4}$ "

31KB8 Fulcrum Rod

31KB9 Fulcrum Rod Split Pin (2),  $\frac{1}{8}$ " x  $\frac{1}{4}$ "

31KB10 Liner (17)

31KB11 Liner Rod (2)

31KB12 Liner Rod Split Pin (4),  $\frac{1}{8}$ " x  $\frac{1}{4}$ "

31KB13 Liner Separator (18)

31KB14 Spring (4)

31KB15 Spring Ball (2)

31KB16 Spring Pin (2)

31KB17 Spring Rod

b31KB20K† Unit Rack Stop, 3 Unit, 3-UNIT MINIMUM  
ATTACHMENT (see plate 28)

a31KB25 Cam Pin, in 3 Unit Rack Stop, 3-UNIT MINI-  
MUM ATTACHMENT (see plate 28)

31KB24 Fulcrum Screw, in Guide, 3-UNIT MINIMUM  
ATTACHMENT (see plate 28)

31KB27 Screw,  $\frac{3}{8}$ " x  $\frac{1}{2}$ ", hexagon, to guide, 3-UNIT  
MINIMUM ATTACHMENT

31KB28 Washer, 3-UNIT MINIMUM ATTACHMENT

31KB29† Bracket Packing Plate,  $\frac{3}{8}$ " thick

31KB30† Bracket Packing Plate,  $\frac{1}{2}$ " thick

a31KB31 Lug, hinged

31KB32 Lug Fulcrum Pin

31KB33 Lug Spring Post

31KB34 Spring

31KB35 Spring Post

Xa31KB Unit Rack Stop group; consists of 31KB1(8),  
f31KB1K, 31KB2(8), e31KB2, a31KB3K,  
31KB6(4), 31KB8, 31KB9(2), 31KB10(17),  
31KB11(2), 31KB12(4), 31KB13(18), 31KB14(4),  
31KB15(2)

NOTE: Unit Rack Stops are numbered from left to  
right. On a Standard machine the 4 Unit Stop  
is No. 1, 5 Unit Stop is No. 2 and so on.

\*†31KB1K consists of f31KB1, a31KB31, 31KB32  
to 35 inclusive

†a31KB3K consists of a31KB3, 4 and 5, 31KB6(4),  
31KB10(2), 31KB17

†b31KB20K consists of b31KB20, a31KB23

†Can be fitted only at Workshops

†For reconditioned machines on which the Piston  
Block Base has been reground

Duplex Keyboard double above quantities

## 33KB

33KB1 Unit Rack Stop Guide

b33KB1K\* Unit Rack Stop Guide, 3-UNIT MINIMUM  
ATTACHMENT (see plate 28)

a33KB4 Adjusting Screw

a33KB5 Adjusting Screw Nut

a33KB6K† Operating Handle, for 3 Unit Stop, 3-UNIT  
MINIMUM ATTACHMENT (see plate 28)

a33KB7§

33KB8

33KB9

a33KB10†

a33KB11†

Xh33KB

Xj33KB§

Xk33KB

Operating Handle Fulcrum Pin, 3-UNIT MINI-  
MUM ATTACHMENT (see plate 28)

Spring Post, 3-UNIT MINIMUM ATTACH-  
MENT (see plate 28)

Spring, 3-UNIT MINIMUM ATTACHMENT  
(see plate 28)

Operating Handle Stop Pin, 3-UNIT MINI-  
MUM ATTACHMENT (see plate 28)

Operating Handle Fulcrum Pin Spring Washer  
3-UNIT MINIMUM ATTACHMENT (see  
plate 28)

Unit Rack Stop Guide, 3-UNIT MINIMUM  
ATTACHMENT (see plate 28)

Unit Rack Stop Guide group; consists of  
31KB27 and 28, f33KB1, a33KB4 and 5

Unit Rack Stop Guide group; consists of  
b31KB20K, 31KB24, 31KB27 and 28, h33KB1K,  
a33KB4 and 5, 33KB9

\*†h33KB1K consists of h33KB1, a33KB6K, a33KB7,  
33KB8, a33KB11

†a33KB6K consists of a33KB6, a33KB10

†Can be fitted only at Workshops

§Standard Keyboards numbered 27316 to 28207 in-  
clusive and Duplex Keyboards numbered 0509 to  
0618 inclusive were equipped with this part

Duplex Keyboard double above quantities

## 34KB

a34KB5

a34KB2K\*

34KB3

a34KB5

a34KB6

34KB7

Xa34KB

Unit Rack Stop Guide Abutment  
Bracket

Bracket Screw (2),  $\frac{1}{2}$ " x  $\frac{1}{2}$ "  
(Refer above a34KB2K)

Spring

Bracket Pin

Unit Rack Stop Guide Abutment group; consists of  
a34KB2K, 34KB3(2), a34KB5 and 6

\*†a34KB2K consists of a34KB2, 34KB7

Duplex Keyboard double above quantities

## 76KB

Unit Rack Stop Guide Bracket

Screw (2),  $\frac{1}{8}$ " x  $\frac{1}{4}$ "

Shoe

Shoe Screw (2),  $\frac{1}{8}$ " x  $\frac{1}{4}$ ", countersunk

Unit Rack Stop Guide Bracket group; consists of  
b76KB1, b76KB2(2), a76KB3, b76KB4(2)

Duplex Keyboard double above quantities

## 87KB

a87KB1

a87KB1

a87KB2

Xa87KB

Unit Value Indicator

Unit Value Indicator, One Unit Space ('Mono-  
photo' Filmsetter) Attachment

Screw (2),  $\frac{3}{8}$ " x  $\frac{1}{2}$ ", countersunk, to Unit Rack  
Stop Guide

Unit Value Indicator group; consists of a87KB1,  
a87KB2(2)

Duplex Keyboard double above quantities

## 48KU

48KU1

One Unit Space ('Monophoto' Filmsetter) Attach-  
ment

Object; to provide a minimum setwise feed of  
1 unit

One Unit Space ('Monophoto' Filmsetter) Attach-  
ment; consists of e26KB1, b57KB1

Duplex Keyboard double above quantity.

## PLATE 13

A symbol in italics is not illustrated unless referred to another plate

*Additional Parts for Keyboards equipped with Key Transfer facilities*

**26KB**

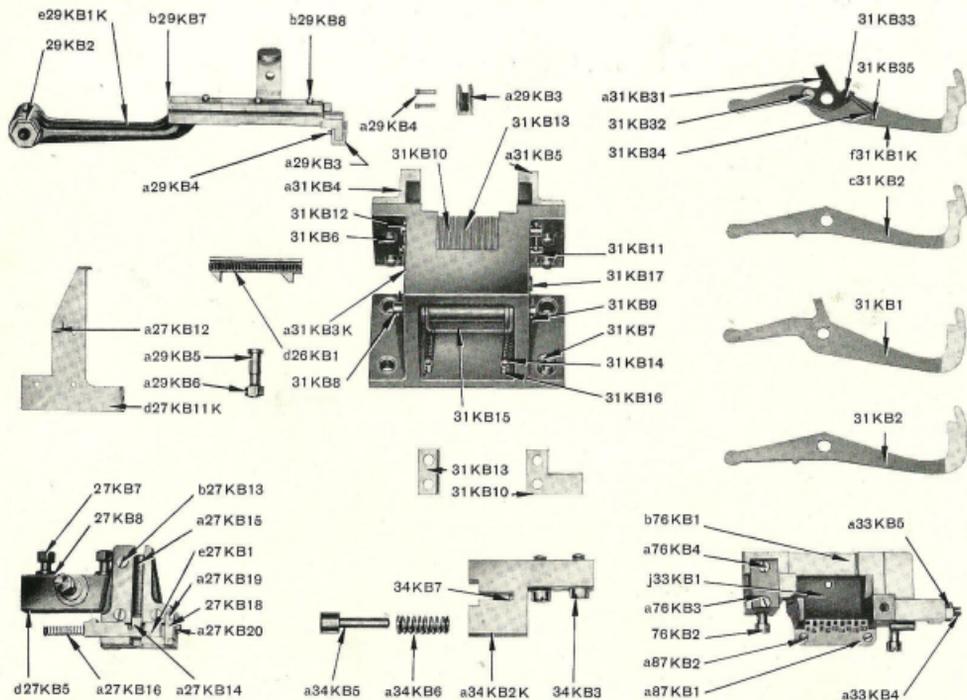
*a26KB1* Unit Rack  
Duplex Keyboard double above quantities

**27KB**

*27KB7* Unit Rack Abutment  
Bracket Screw,  $\frac{3}{16}$ " x  $\frac{11}{16}$ ", hexagon  
*27KB8* Bracket Screw Washer  
*Xa27KB* Unit Rack Abutment group; consists of d27KB5  
assd. 27KB7 and 8  
Duplex Keyboard double above quantities

**87KB**

*b87KB1* Unit Value Indicator  
*Xb87KB* Unit Value Indicator group; consists of b87KB1,  
a87KB2(2)  
Duplex Keyboard double above quantities



**14KB**

- k14KB1 Justifying Scale Pointer, STANDARD KEYBOARD  
*k14KB1 ass'd.* Justifying Scale Pointer, assembled, STANDARD KEYBOARD  
 m14KB1 Justifying Scale Pointer, left, DUPLEX KEYBOARD  
*m14KB1 ass'd.* Justifying Scale Pointer, left, assembled, DUPLEX KEYBOARD  
 n14KB1 Justifying Scale Pointer, right, DUPLEX KEYBOARD  
*n14KB1 ass'd.* Justifying Scale Pointer, right, assembled, DUPLEX KEYBOARD  
 c14KB2 Guide Bracket (see plate 15)  
 b14KB23K8 Rack (see plate 15)  
 14KB4 Rack Nut (see plate 15)  
 14KB5 Rack Pin  
 14KB12 Rack Washer  
 14KB14 Adjusting Eccentric, vertical adjustment (see plate 15)  
 14KB15 Adjusting Eccentric Split Pin,  $\frac{1}{8}'' \times \frac{1}{4}''$   
 14KB16 Adjusting Eccentric Spring  
 14KB17 Adjusting Eccentric Washer (2)  
 14KB18 Adjusting Eccentric Spring (Spring)  
 a14KB19 Adjusting Pinion, horizontal adjustment  
 14KB20 Guide (see plate 15)  
 14KB21 Guide Fulcrum Pin (see plate 15)  
 14KB22 Guide Fulcrum Pin Nut  
 14KB23 Guide Fulcrum Pin Washer  
 a14KB24 Adjusting Pinion Cradle Spring  
 14KB25 Adjusting Pinion Cradle  
 Xk14KB Justifying Scale Pointer, STANDARD KEYBOARD, group; consists of k14KB1 ass'd., b14KB3K, 14KB4  
 Xm14KB Justifying Scale Pointer, left, DUPLEX KEYBOARD, group; consists of m14KB1 ass'd., b14KB3K, 14KB4  
 Xn14KB Justifying Scale Pointer, right, DUPLEX KEYBOARD, group; consists of n14KB1 ass'd., b14KB3K, 14KB4  
 \*k14KB1 ass'd. consists of k14KB1, c14KB2, 14KB14, 15 and 16, 14KB17(2), 14KB18, 14KB19, 14KB20 to 23 inclusive, a14KB24, 14KB25  
 \*m14KB1 ass'd. consists of m14KB1, c14KB2, 14KB14, 15 and 16, 14KB17(2), 14KB18, 14KB19, 14KB20 to 23 inclusive, a14KB24, 14KB25  
 \*n14KB1 ass'd. consists of n14KB1, c14KB2, 14KB14, 15 and 16, 14KB17(2), 14KB18, 14KB19, 14KB20 to 23 inclusive, a14KB24, 14KB25  
 b14KB3K consists of b14KB3, a14KB5, 14KB12  
 Duplex Keyboard double above quantities

**15KB**

- b15KB1 Justifying Scale Pointer Detent Pawl  
 15KB2 Spring  
 15KB3 Spring  
 Xb15KB Justifying Scale Pointer Detent Pawl group; consists of b15KB1, 15KB3  
 Duplex Keyboard double above quantities

**16KB**

- a16KB1\* Justifying Scale Pointer Lifting Pawl, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 16KB2 Pin  
 16KB3 Spring  
 16KB4 Spring Post  
 Xa16KB Justifying Scale Pointer Lifting Pawl group; consists of 16KB1K, 16KB3  
 \*a16KB1 consists of a16KB1, 16KB2, 16KB4  
 Duplex Keyboard double above quantities

**17KB**

- 17KB1\* Justifying Scale Pointer Operating Lever  
 a17KB1\* Justifying Scale Pointer Operating Lever, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 17KB2 Fulcrum Stud  
 17KB3 Fulcrum Stud Nut (see plate 15)  
 17KB4 Piston Link  
 17KB5 Stud, for a16KB1K  
 a17KB6 Stud, for Piston Link  
 a17KB7 Stud Split Pin,  $\frac{1}{8}'' \times \frac{1}{4}''$   
 a17KB8 Stud Washer  
 17KB10 Boss, JUSTIFIED LETTER-SPACING ATTACHMENT  
 17KB11 Eccentric Bush, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 17KB12 Fulcrum Pin, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 17KB13 Fulcrum Pin Nut, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 a17KB14 Link (2), JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 a17KB14 ass'd. Link, assembled, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 17KB15 Pin Split Pin,  $\frac{1}{8}'' \times \frac{1}{4}''$ , JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 17KB16 Pin Washer, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 17KB17 Link Spring, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)  
 X17KB Justifying Scale Pointer Operating Lever group; consists of 17KB1K, 17KB2, 3 and 4  
 Xb17KB Justifying Scale Pointer Operating Lever, JUSTIFIED LETTER-SPACING ATTACHMENT, group; consists of a17KB1K, 17KB11, 17KB13, a17KB14 ass'd., 17KB16 and 17

- \*17KB1K consists of 17KB1, 17KB5, a17KB6, 7 and 8  
 \*a17KB1K consists of a17KB1, 17KB10, 17KB15  
 a17KB14 ass'd. consists of a17KB14(2), 17KB18  
 K can be fitted only at Workshops  
 \*This part is included in the Paper Tower Cover, assembled b20KC1K  
 Duplex Keyboard double above quantities

**19KB**

- a19KB1 Justifying Scale Pointer Rack Guide Plate  
 19KB2 Screw (4),  $\frac{1}{4}'' \times \frac{3}{4}''$   
 Xa19KB Justifying Scale Pointer Rack Guide Plate group; consists of a19KB1, 19KB2(4)  
 Duplex Keyboard double above quantities

**24KB**

- 24KB1\* Restoring Rocker Arm (see plate 15)  
 24KB2 Fork  
 24KB3 Link (see plate 15)  
 b24KB4K1 Link Lever (see plate 15)  
 24KB5 Link Lever Fulcrum Stud (see plate 15)  
 24KB6 Link Lever Fulcrum Stud Nut  
 24KB7 Link Lever Stud (see plate 15)  
 a24KB8 Link Lever Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$  (see plate 15)  
 a24KB9 Link Lever Stud Washer (see plate 15)  
 24KB10 Piston Link  
 a24KB11 Shaft (see plate 15)  
 24KB12 Shaft Set Screw,  $\frac{1}{8}'' \times \frac{1}{8}''$  (see plate 15)  
 a24KB13 Stud, for Restoring Rocker Arm Fork  
 a24KB14 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a24KB15 Stud Washer  
 a24KB16 Stud, for Restoring Rocker Arm Link (see plate 15)  
 a24KB17 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$  (see plate 15)  
 24KB18 Stud Washer (see plate 15)  
 a24KB19 Stud, for Restoring Rocker Arm Piston Link  
 a24KB20 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a24KB21 Stud Washer  
 a24KB22 Shaft Nut (see plate 15)  
 a24KB23 Shaft Washer (see plate 15)  
 a24KB24 Spring (see plate 15)  
 a24KB25 Link Lever Stop Screw (see plate 15)  
 a24KB26 Link Lever Stop Screw Nut (see plate 15)  
 Xa24KB Restoring Rocker Arm group; consists of a24KB1K, 24KB2 and 3, a24KB4K, 24KB5 and 6, 24KB10, a24KB11, 24KB12, a24KB22 and 23, 24KB24  
 \*24KB1K consists of 24KB1, a24KB13 to 21 inclusive  
 b24KB4K consists of b24KB4, a24KB7, 8 and 9, a24KB25, 24KB26  
 Duplex Keyboard double above quantities

**38KB**

- a38KB1\* Unit Wheel Pawl  
 38KB2 Bush (not supplied separately, order a38KB1K)  
 38KB3 Bush Collar (not supplied separately, order a38KB1K)  
 38KB4 Connecting Link (2)  
 a38KB5 Connecting Link Pin (2)  
 38KB6 Latch, lock for Unit Rack Slide, assembled  
 a38KB7 Latch Operating Link, front  
 a38KB8 Latch Operating Link Bush, fulcrum  
 38KB9 Latch Operating Link Pin, Latch end  
 a38KB10 Latch Operating Link Rivet (2)  
 a38KB11 Latch Operating Link Separator  
 b38KB12 Operating Lever, also raises Unit Rack Slide, assembled  
 a38KB13 Operating Lever Oiling Pad  
 a38KB14 Latch Operating Link, rear  
 Xa38KB2 Unit Wheel Pawl group; consists of a38KB1K, 38KB4(2), a38KB5(2), 38KB6, a38KB7 and 8,

Xb38KB

38KB9, a38KB10(2), 38KB11, b38KB12,  
a38KB13 and 14

Unit Wheel Pawl group; consists of a38KB1K,  
38KB4(2), a38KB5(2), 38KB6, a38KB7 and 8,  
38KB9, a38KB10(2), a38KB11, b38KB12,  
a38KB13 and 14

\*a38KB1K consists of a38KB1, 38KB2 and 3

†Can be fitted only at Workshops

‡Standard Keyboards numbered 22501 to 25756 in-

clusive and Duplex Keyboards numbered 0179 to  
0393 inclusive were equipped with these parts

Duplex Keyboard double above quantities

#### 40KB

a40KB1

Unit Wheel Pawl Latch Spring

Duplex Keyboard double above quantity

#### 46KB

Unit Wheel Standard

46KB11

Cap Screw (4),  $\frac{1}{8}$ "  $\times$   $\frac{3}{8}$ "

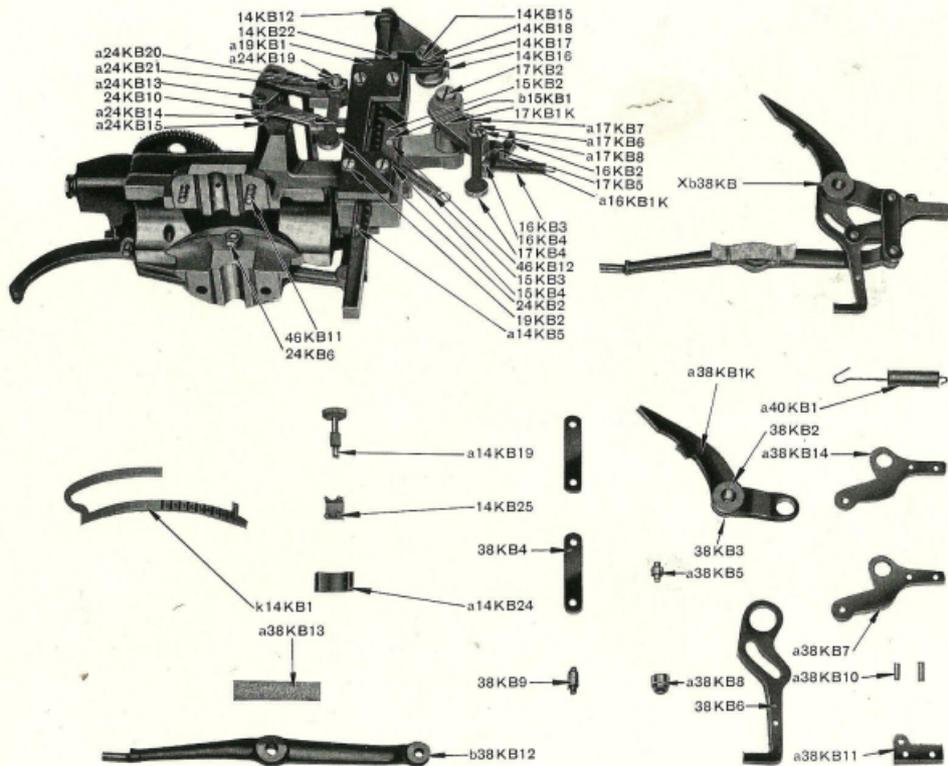
46KB12

Cap Stud, for b15KB1

Duplex Keyboard double above quantities

**PLATE 14 continued**

*A symbol in italics is not illustrated unless referred to another plate*



**PLATE 14**

**11KB**

a11KB1 Justifying Scale Driving Rack  
 a11KB2 Piston  
*a11KB2r* Piston, oversize, first repair  
 b11KB3 Rod  
 a11KB4 Adjusting Sleeve  
 b11KB5 Adjusting Sleeve Nut  
*Xd11KB* Justifying Scale Driving Rack group; consists of a11KB1 and 2, b11KB3, a11KB4, b11KB5  
 Duplex Keyboard double above quantities

**12KB**

12KB1 Justifying Scale Gear  
 Duplex Keyboard double above quantity

**13KB**

b13KB1K\* Justifying Scale Pinion  
 d13KB5 Spindle (not supplied separately, order Xd13KB)  
 13KB6 Spring  
 a13KB8 Spring Cap (not supplied separately, order Xd13KB)  
*13KB9* Spring Cap Pin  
*b13KB11* Coupling  
 c13KB12 Sleeve (not supplied separately, order Xd13KB)  
*13KB13* Coupling Sleeve  
*Xd13KB* Justifying Scale Pinion group; consists of b13KB1K, d13KB5, 13KB6, a13KB8, 13KB9, b13KB11, c13KB12  
 \*b13KB1K consists of b13KB1, 13KB13  
 Duplex Keyboard double above quantities

**14KB**

Justifying Scale Pointer  
 c14KB2 Guide Bracket  
 b14KB3K Rack  
 14KB4 Rack Nut  
 14KB14 Adjusting Eccentric, vertical adjustment  
 14KB20 Guide  
 14KB21 Guide Fulcrum Pin  
 Duplex Keyboard double above quantities

**17KB**

17KB3 Justifying Scale Pointer Operating Lever  
 Fulcrum Stud Nut  
 Duplex Keyboard double above quantity

**24KB**

Restoring Rocker Arm  
 24KB1K Link  
 24KB3 Link Lever  
 b24KB4K Link Lever Fulcrum Stud  
 24KB5 Link Lever Stud  
 a24KB7 Link Lever Stud  
 a24KB8 Link Lever Stud Split Pin,  $\frac{1}{8}'' \times \frac{1}{4}''$   
 a24KB9 Link Lever Stud Washer  
 a24KB11 Shaft  
 24KB12 Shaft Set Screw,  $\frac{1}{8}'' \times \frac{1}{8}''$   
 a24KB16 Stud  
 a24KB17 Stud Split Pin,  $\frac{1}{16}'' \times \frac{1}{4}''$   
 a24KB18 Stud Washer  
 a24KB22 Shaft Nut  
 a24KB23 Shaft Washer  
 24KB24 Spring  
 a24KB25 Link Lever Stop Screw  
 24KB26 Link Lever Stop Screw Nut  
 Duplex Keyboard double above quantities

**25KB**

b25KB1 Unit Indicator  
*b25KB1 assd.* Unit Indicator, assembled  
 a25KB2 Bracket  
 25KB3 Bracket Screw,  $\frac{1}{8}'' \times \frac{1}{4}''$ , to Unit Wheel Standard Cap  
 a25KB5 Screw (2),  $\frac{1}{8}'' \times \frac{1}{16}''$ , countersunk, to Bracket  
 a25KB6 Bracket Screw Washer  
*Xb25KB* Unit Indicator group; consists of b25KB1 assd., a25KB2, a25KB6  
 \*b25KB1 assd. consists of b25KB1, a25KB2, a25KB5(2)  
 Duplex Keyboard double above quantities

**39KB**

39KB1 Unit Wheel Pawl Adjusting Bar  
 39KB2 Nut (2)  
*X39KB* Unit Wheel Pawl Adjusting Bar group; consists of 39KB1, 39KB2(2)  
 Duplex Keyboard double above quantities

**46KB**

Unit Wheel Standard  
 46KB5K Cap, for Unit Wheel Shaft  
 b46KB6 Cap Head  
 a46KB8 Cap Head Pipe  
 46KB9 Cap Head Pipe Union, male end (2)  
 46KB10 Cap Head Pipe Union Nut (2)  
 a46KB33 Stud Screw,  $\frac{1}{8}'' \times \frac{1}{4}''$   
 a46KB34 Stud Screw Washer  
 Duplex Keyboard double above quantities

**73KB**

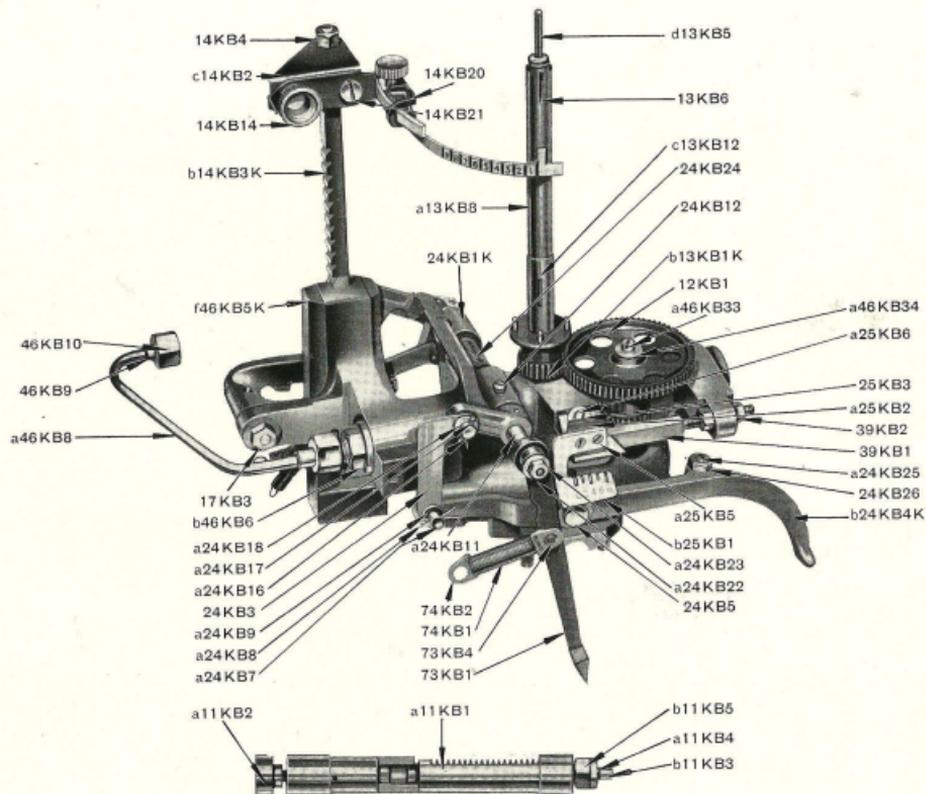
73KB1 Unit Rack Lever (not supplied separately, order X73KB)  
*73KB2* Hub (not supplied separately, order X73KB)  
*73KB3* Hub Washer (not supplied separately, order X73KB)  
 73KB4 Spring Post  
*X73KB* Unit Rack Lever group; consists of 73KB1 to 4 inclusive  
 Duplex Keyboard double above quantities

**74KB**

74KB1 Unit Rack Lever Spring  
 74KB2 Plate (2)  
*X74KB* Unit Rack Lever Spring group; consists of 74KB1, 74KB2(2)  
 Duplex Keyboard double above quantities

**98KB**

98KB1 Standard Keyboard  
 Unit Pointer



**PLATE 15**

**4KB**

- a4KB1\** Em Rack, Duplex Keyboard, not supplied separately, order Xa4KB)
- a4KB1* Em Rack, TABULATING ATTACHMENT (not supplied separately, order Xa4KB) (see plate 31)
- a4KB1* Em Rack, right, DUPLEX KEYBOARD (not supplied separately, order Xd4KB)
- a4KB1* Em Rack, TABULATING ATTACHMENT (not supplied separately, order Xa4KB)
- f4KB1* Em Rack, 90-Em Scale (not supplied separately, order Xf4KB)
- 4KB2* Bell Trip
- a4KB3* Pointer
- 4KB3* Extension, TABULATING ATTACHMENT (not supplied separately, order Xc4KB or Xe4KB) (see plate 31)
- 4KB6* Extension Rivet (4), TABULATING ATTACHMENT (see plate 31)
- Xa4KB\** Em Rack, Duplex Keyboard, group: consists of 4KB1, 4KB2, a4KB3
- Xc4KB* Em Rack, TABULATING ATTACHMENT, group: consists of c4KB1, a4KB3, 4KB5, 4KB6(4)
- Xd4KB* Em Rack, right, DUPLEX KEYBOARD, group: consists of d4KB1, 4KB2, a4KB3
- Xe4KB* Em Rack, TABULATING ATTACHMENT, group: consists of e4KB1, a4KB3, 4KB5, 4KB6(4)
- Xf4KB* Em Rack, 90-Em Scale group: consists of f4KB1, 4KB2, a4KB3

\*Standard Keyboards numbered prior to 27316 were equipped with these parts  
Duplex Keyboard same as above quantities

**5KB**

- 5KB1K\** Em Rack Slide
- c5KB1* Em Rack Slide, TABULATING ATTACHMENT (not supplied separately, order Xc5KB) (see plate 31)
- g5KB1K†* Em Rack Slide, right, DUPLEX KEYBOARD
- a5KB1* Em Rack Slide, left, DUPLEX KEYBOARD
- a5KB2* Head
- 5KB3* Head Screw (2),  $\frac{1}{8} \times \frac{1}{4}$ , hexagon
- 5KB4* Screw (2),  $\frac{1}{8} \times \frac{1}{4}$ , hexagon, also for Em Scale
- b5KB4* Marker Bracket, EM SCALE MARKER (Tabular Marker) ATTACHMENT (see plate 29)
- 5KB6* Spring Post

- Xc5KB* Em Rack Slide, TABULATING ATTACHMENT, group: consists of c5KB1, 5KB6, 53KB2, 53KB1(12)
- Xe5KB* Em Rack Slide, TABULATING ATTACHMENT, group: consists of e5KB1, 5KB6, 53KB2, 53KB1(12)
- Xg5KB* Em Rack Slide, right, DUPLEX KEYBOARD, group: consists of g5KB1K, a5KB2, 5KB3(2), 5KB4(2)
- Xb5KB* Em Rack Slide, left, DUPLEX KEYBOARD, group: consists of h5KB1K, a5KB2, 5KB3(2), 5KB4
- Xj5KB* Em Rack Slide, group: consists of j5KB1K, a5KB2, 5KB3(2), 5KB4(2)
- \*5KB1K consists of j5KB1, 5KB6
- †5KB1K consists of g5KB1, 5KB6
- ‡5KB1K consists of h5KB1, 5KB6
- Duplex Keyboard same as above quantities

**6KB**

- b6KB1* Em Rack Stop, left handle
- a6KB2* Em Rack Stop, right handle
- b6KB2* Em Rack Stop, right handle, TABULATING ATTACHMENT (see plate 31)
- 6KB3K\** Pointer, TABULATING ATTACHMENT (see plate 31)
- a6KB3K†* Pointer, right, DUPLEX KEYBOARD
- 6KB4* Pointer Guide Pin
- 6KB6* Stud
- a6KB7* Spring (2)
- Xa6KB* Em Rack Stop group: consists of b6KB1, a6KB2, 6KB3K, 6KB6, a6KB7(2)
- Xb6KB* Em Rack Stop, TABULATING ATTACHMENT, group: consists of b6KB1 and 2, a6KB3K, 6KB6, a6KB7(2)
- Xc6KB* Em Rack Stop, right, DUPLEX KEYBOARD, group: consists of b6KB1, a6KB2, b6KB3K, 6KB6, a6KB7(2)
- \*6KB3K consists of 6KB3 and 4
- †6KB3K consists of a6KB3, 6KB4
- ‡6KB3K consists of b6KB3, 6KB4
- Duplex Keyboard same as above quantities

**7KB**

- b7KB1* Em Rack Stop Rack, Duplex Keyboard
- c7KB1* Em Rack Stop Rack, Standard Keyboard, 90-EM SCALE (see plate 28)
- 7KB2* Hook
- 7KB3* Spring

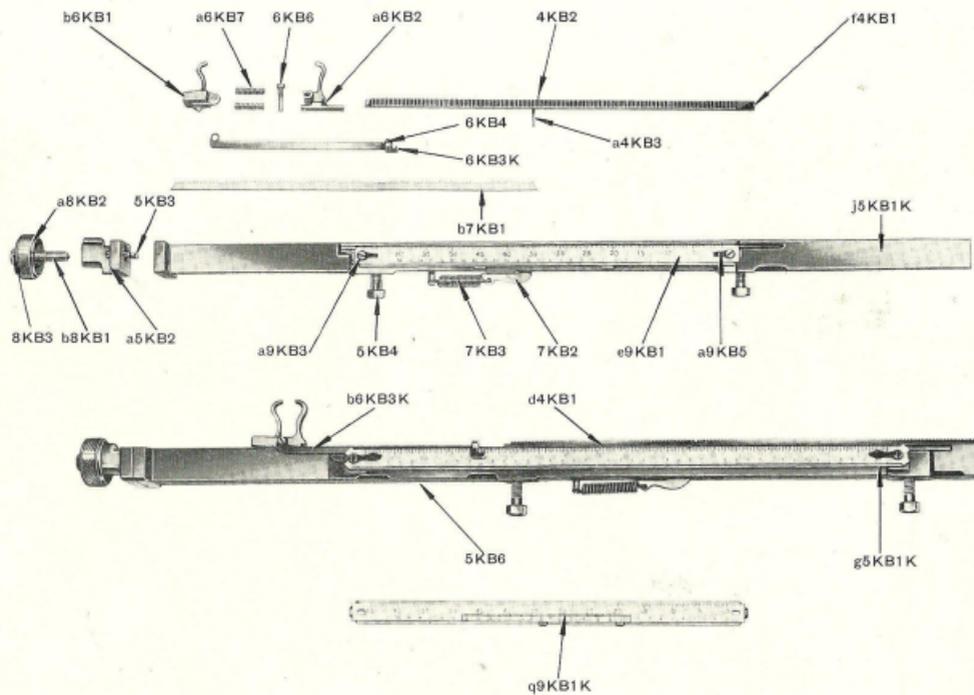
- Xb7KB* Em Rack Stop Rack, Duplex Keyboard, group: consists of b7KB1, 7KB2 and 3
- Xc7KB* Em Rack Stop Rack, Standard Keyboard, group: consists of c7KB1, 7KB2 and 3
- Duplex Keyboard double above quantities

**8KB**

- b8KB1* Em Rack Stop Rack Adjusting Screw (not supplied separately, order Xa8KB)
- a8KB2* Head (not supplied separately, order Xa8KB)
- 8KB3* Head Pin
- Xa8KB* Em Rack Stop Rack Adjusting Screw group: consists of b8KB1, a8KB2, 8KB3
- Duplex Keyboard double above quantities

**9KB**

- b9KB1* Em Scale, TONIC-SOL-FA (20-UNIT) ATTACHMENT
- a9KB1* Em Scale, Duplex Keyboard
- g9KB1* Em Scale, Standard Keyboard, 90-EM SCALE (see plate 28)
- a9KB1†* Em Scale, 65 ems, specify unit value (foots having non-18 unit quads), QUADDING AND CENTRING
- j9KB1†* Em Scale, 90 ems, specify unit value (foots having non-18 unit quads), QUADDING AND CENTRING
- q9KB1\** Em Scale, auxiliary, QUADDING AND CENTRING
- a9KB1§* Em Scale, TONIC-SOL-FA (20-UNIT) ATTACHMENT (see plate 33)
- a9KB1* Em Scale (paper), auxiliary, 65 ems
- a9KB1†* Em Scale (paper), auxiliary, 90 ems
- a9KB3* Screw (2),  $\frac{1}{8} \times \frac{1}{4}$ , to Em Rack Slide
- a9KB5* Clip (2)
- a9KB5* Clip (2), QUADDING AND CENTRING
- a9KB5* Clip River (4), QUADDING AND CENTRING
- Xc9KB* Em Scale (2), Duplex Keyboard, group: consists of e9KB1, a9KB3(2), a9KB5(2)
- Xg9KB* Em Scale, Standard Keyboard, group: consists of g9KB1, a9KB3(2), 9KB5
- \*q9KB1K consists of q9KB1, a9KB5(2), 9KB12(4)
- †Not included as part of the standard accessories, order separately
- ‡Not included as part of the attachment, order separately
- §For Standard Keyboards equipped with 90-em Scale
- Duplex Keyboard double above quantities



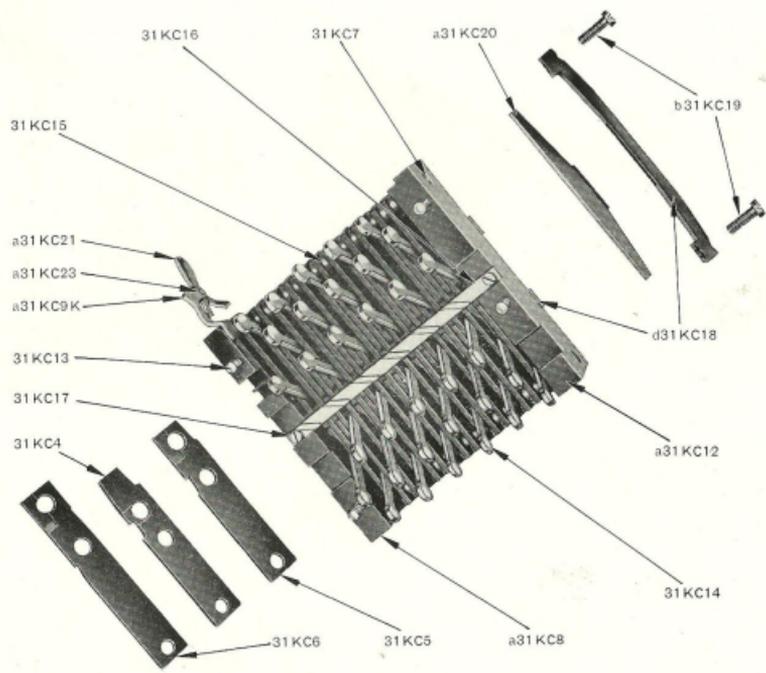
**PLATE 16**

**31KC**

31KC4	Piston Lever (11), for third and fourth rows of links	31KC13	Fulcrum Rod Bracket Screw (4), $\frac{1}{4}'' \times 1\frac{1}{2}''$
31KC5	Piston Lever (11), for second and fifth rows of links	31KC14	Link (33)
31KC6	Piston Lever (11), for first and sixth rows of links	31KC15	Separator Washer (33), .128" thick
31KC7	Fulcrum Rod (2)	<i>31KC15-1</i>	Separator Washer (33), .138" thick, for repairs
a31KC8	Fulcrum Rod Bracket, left	31KC16	Stop Bar, lower
a31KC9*	Fulcrum Rod Bracket Lever, for 29KC11	31KC17	Stop Bar Screw (2)
<i>31KC10</i>	Fulcrum Rod Bracket Lever Fulcrum Pin	d31KC18	Stop Bar, upper (2)
a31KC12	Fulcrum Rod Bracket, right	<i>a31KC19†</i>	Stop Bar Screw (4), $\frac{1}{4}'' \times \frac{1}{16}''$
		b31KC19	Stop Bar Screw (4), $\frac{1}{4}'' \times \frac{1}{16}''$
		a31KC20	Stop (2), for Stop Bar, upper
		a31KC21	Fulcrum Rod Bracket Lever Heel
		a31KC23	Fulcrum Rod Bracket Lever Heel Fulcrum

**Xc31KC**

	Piston Lever group; consists of 31KC4(11), 31KC5(11), 31KC6(11), 31KC7(2), a31KC8, a31KC9, a31KC12, 31KC13(4), 31KC14(33), 31KC15(33), 31KC16, 31KC17(2), d31KC18(2), b31KC19(4), a31KC20(2)
	*a31KC9 consists of a31KC9, 31KC10, a31KC21, a31KC23
	†Standard Keyboards numbered 22301 to 25197 inclusive and Duplex Keyboards numbered 0179 to 0340 inclusive were equipped with this part
	Duplex Keyboard double above quantities



**PLATE 17**

**1KB**

a1KB1 Bell, STANDARD KEYBOARD (1), DUPLEX KEYBOARD (1)  
 b1KB1 Bell, DUPLEX KEYBOARD  
*b1KB2 assd.*\* Bracket, complete  
 b1KB2K† Bracket, assembled  
 1KB3 Bracket Clamp, for Line Counter  
 1KB4 Bracket Clamp Screw,  $\frac{1}{8}'' \times \frac{3}{16}''$ , to Bracket  
 a1KB5 Bracket Piston  
 1KB6 Bracket Plug  
 1KB7 Bracket Screw,  $\frac{3}{8}'' \times \frac{1}{8}''$ , to Piston Block  
 1KB8 Bracket Screw,  $\frac{3}{8}'' \times \frac{3}{8}''$ , to Piston Block  
 1KB9 Bracket Spring Post, for Bell Hammer Spring  
 a1KB10 Bracket Stud, for Bell  
 1KB11 Bracket Stud Nut  
 a1KB12 Screw,  $\frac{1}{2}'' \times \frac{3}{8}''$   
 a1KB13 Bracket Spring Post, for Bell Hammer Lever Bell Crank Spring

*Xa1KB* Bell, STANDARD KEYBOARD, group; consists of a1KB1, b1KB2 assd., 1KB3 and 4, a1KB5, 1KB6, 7 and 8

*Xb1KB* Bell, DUPLEX KEYBOARD, group; consists of a1KB1, b1KB2 assd.(2), 1KB3(2), 1KB4(2), a1KB5(2), 1KB6(2), 1KB7(2), 1KB8(2)  
 \*b1KB2 assd. consists of b1KB2K, a1KB10, 1KB11, a1KB12

†b1KB2K consists of b1KB2, 1KB9, a1KB13  
 Duplex Keyboard double above quantities

**2KB**

a2KB1K\* Bell Hammer  
 2KB2 Head (not supplied separately, order a2KB1K)  
 c2KB3K† Lever  
 2KB4 Lever Fulcrum Stud  
 2KB5 Lever Fulcrum Stud Nut  
 c2KB6 Lever Bell Crank (not supplied separately, order c2KB3K)  
 a2KB10 Lever Bell Crank Pin  
 a2KB11 Lever Fulcrum Stud Collar (not supplied separately, order c2KB3K)

2KB12 Spring  
 2KB13 Spring Post  
 2KB14 Stud  
 2KB15 Stud Nut  
 a2KB16 Lever Bell Crank Spring  
*2KB17†*  
 a2KB17 Lever Plunger  
 2KB18 Lever Plunger Knob  
 2KB19 Lever Plunger Knob Lock Nut  
 2KB20 Lever Plunger Spring  
 2KB21 Lever Plunger Spring Ball  
*Xb2KB* Bell Hammer group; consists of a2KB1K, c2KB3K, 2KB4 and 5, 2KB12, 2KB14 and 15, a2KB16  
 \*a2KB1K consists of a2KB1, 2KB2, 2KB13  
 †c2KB3K consists of c2KB3, c2KB6, a2KB10 and 11, a2KB17, 2KB18 to 21 inclusive  
 ‡Standard Keyboards numbered 24740 to 25590 inclusive and Duplex Keyboards numbered 0305 to 0369 inclusive were equipped with these parts  
 Duplex Keyboard double above quantities

**23KB**

d23KB1 Line Counter  
*b23KB2K\** Lever  
 c23KB2K† Lever  
 23KB3 Lever Screw,  $\frac{1}{2}'' \times \frac{1}{4}''$   
 a23KB4K‡ Adaptor Plate  
 23KB5 Screw (2),  $\frac{1}{2}'' \times \frac{1}{4}''$ , to Adaptor Plate  
 a23KB5 Screw (4),  $\frac{1}{2}'' \times \frac{1}{4}''$ , to Adaptor Plate  
 23KB7 Guide Block  
 23KB8 Guide Block Rivet (2)  
*Xd23KB* Line Counter group; consists of d23KB1, c23KB2K, a23KB4K, a23KB5(4)  
 \*b23KB2K consists of b23KB2, 23KB3  
 †c23KB2K consists of c23KB2, 23KB3  
 ‡a23KB4K consists of a23KB4, 23KB7, 23KB8(2)  
 §Standard Keyboards numbered 22855 to 24640 inclusive and Duplex Keyboards numbered 0210 to 0299 inclusive were equipped with these parts  
 Duplex Keyboard double above quantities

**63KB**

DUPLEX KEYBOARD  
 Switch Box (2) (not supplied separately, order Xa63KB)  
 a63KB2 Cover (2)  
 a63KB3 Cover Screw (8),  $\frac{1}{2}'' \times \frac{1}{8}''$   
 a63KB7 Contact, left (2)  
 a63KB8 Contact, right (2)  
 a63KB21 Contact Screw (4),  $\frac{3}{16}'' \times \frac{1}{4}''$   
 a63KB22 Binding Screw (6),  $\frac{3}{16}'' \times \frac{1}{4}''$   
*63KB24* Grommet (2)  
*63KB25* Bolt,  $\frac{3}{8}'' \times \frac{1}{4}''$   
*63KB26* Bolt Nut  
*63KB27* Screw,  $\frac{1}{2}'' \times \frac{1}{8}''$   
*Xa63KB* Switch Box group (2); each consists of b63KB1, a63KB2, a63KB3(4), a63KB7 and 8, a63KB21(2), a63KB22(3), 63KB24 to 27 inclusive

**65KB**

DUPLEX KEYBOARD  
 Switch Knife, copper (2) (not supplied separately, order a65KB2K)  
 Body (2)  
*a65KB2K\** Distance Washer (2)  
 a65KB3 Fulcrum Stud (2)  
 65KB4 Fulcrum Stud Nut (2)  
 65KB6 Rivet (2)  
 65KB9 Brace (2)  
 a65KB9 Brace Rivet (2)  
*Xa65KB* Switch Knife, copper, group (2); each consists of a65KB2K, a65KB3 and 4, 65KB5, a65KB9 and 10  
 \*a65KB2K each consists of 65KB1, a65KB2, 65KB6

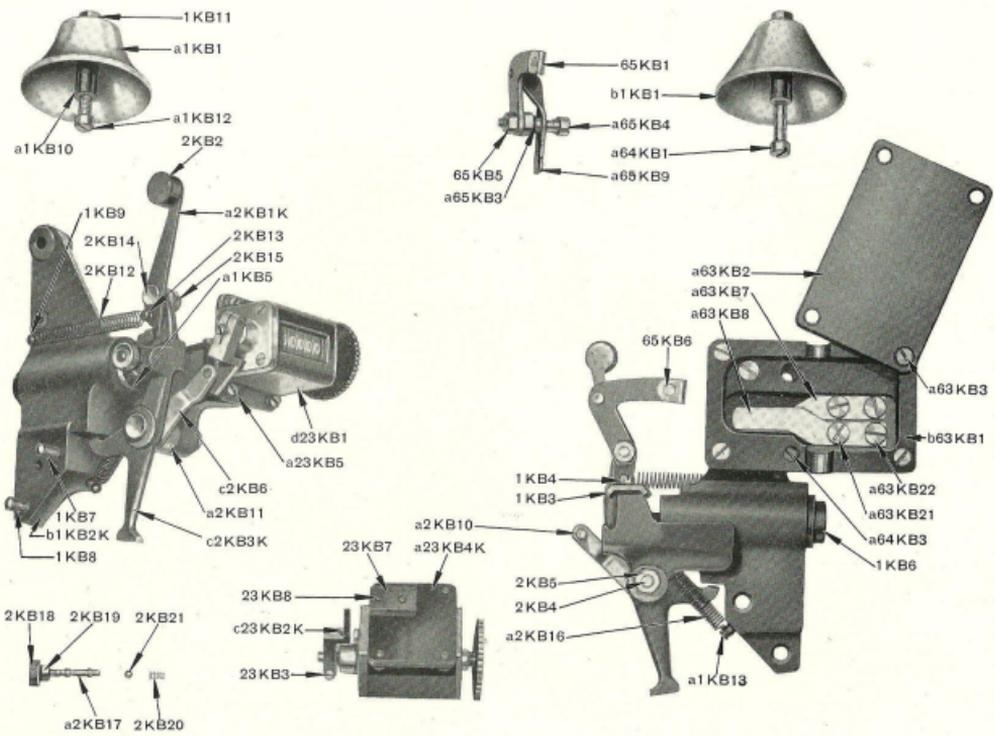
*Additional Parts for Keyboards equipped with Key Transfer facilities*

**1KB**

Bell  
*c1KB2K\** Bracket  
*1KB14* Bracket Cable Clip  
*1KB15* Bracket Cable Clip Screw,  $\frac{1}{16}$ "  $\times$   $\frac{1}{8}$ "  
*1KB16* Bracket Cable Clip Screw Washer  
*Xc1KB* Bell, STANDARD KEYBOARD, group; consists of a1KB1, c1KB2K, 1KB3 and 4, a1KB5, 1KB6, 7 and 8, a1KB10, 1KB11, a1KB12, 1KB14, 15 and 16  
*Xd1KB* Bell, DUPLEX KEYBOARD, group; consists of a1KB1, b1KB1, b1KB2 assd, c1KB2K, 1KB3(2), 1KB4(2), a1KB5(2), 1KB6(2), 1KB7(2), 1KB8(2), a1KB10, 1KB11, a1KB12, 1KB14, 15 and 16  
 \*c1KB2K consists of c1KB2, 1KB9, a1KB13

**23KB**

Line Counter  
*b23KB4K\** Adaptor Plate  
*Xc23KB* Line Counter, DUPLEX KEYBOARD (Left Hand Tower), group; consists of c23KB1, c23KB2K, a23KB4K, a23KB5(4)  
*Xg23KB* Line Counter, STANDARD & DUPLEX KEYBOARD, group; consists of f23KB1, c23KB2K, b23KB4K, a23KB5(4)  
 \*b23KB4K consists of b23KB4, 23KB7, 23KB8(2)



**PLATE 18**

**13KC**  
*Xb13KC\** Paper Feed Wheels group  
 \*Can be fitted only at Workshops  
 Duplex Keyboard double above quantities

**17KC**  
 17KC1 Paper Spool Shaft Bearing, left  
 17KC1r1 Paper Spool Shaft Bearing, left, shoulder length  
 894°, for special orders  
 17KC1r2 Paper Spool Shaft Bearing, left, shoulder length  
 901°, for special orders  
 17KC1r3 Paper Spool Shaft Bearing, left, shoulder length  
 908°, for special orders  
 a17KC2 Nut  
 17KC3 Spring  
 X17KC Paper Spool Shaft Bearing, left, group; consists of  
 17KC1, a17KC2, 17KC3  
 Duplex Keyboard double above quantities

**18KC**  
**Paper Tower**  
 b18KC1K\*\* Cylinder  
 18KC2† Cylinder Die (see plate 21)  
 18KC3 Cylinder Die Screw (4), to Cylinder (see plate 21)  
 18KC4 Cylinder Taper Pin (2)  
 18KC4r Cylinder Taper Pin, for repairs  
 18KC5† Cylinder Head (2) (see plate 21)  
 18KC6 Cylinder Head Screw (6),  $\frac{1}{8}'' \times \frac{1}{4}''$ , countersunk,  
 to Cylinder (see plate 21)  
 18KC7 Cylinder Screw (4),  $\frac{1}{8}'' \times \frac{1}{8}''$ , through Housings  
 18KC9† Housing, left  
 18KC10 Housing Punch Lock (see plate 21)  
 18KC11 Housing Punch Lock Knob  
 18KC12 Housing Punch Lock Knob Taper Pin,  $\frac{1}{8}'' \times \frac{1}{8}''$   
 18KC14 Housing Screw (2),  $\frac{1}{8}'' \times \frac{1}{4}''$ , to Piston Block (see  
 plate 21)  
 f18KC15† Housing, right  
 18KC16† Housing Paper Wind Shaft Nut (see plate 22)  
 18KC17 Housing Paper Wind Shaft Nut (see plate 22)  
 18KC18 Housing Paper Wind Shaft Pin, for Flange and  
 Tube (see plate 22)  
 18KC19 Housing Paper Wind Shaft Spring Post, for  
 Paper Wind Ratchet Spring (see plate 22)  
 18KC20 Housing Paper Wind Shaft Washer (see plate 22)

18KC21 Housing Screw (2),  $\frac{1}{8}'' \times \frac{1}{4}''$ , to Piston Block (see  
 plate 20)  
 b18KC21 Housing (right) Screw,  $\frac{1}{8}'' \times \frac{1}{4}''$ , to Piston Block,  
 KEYSTROKE COUNTER ATTACHMENT  
 (see plate 28)  
 a18KC22 Housing Spring Post  
 18KC23 Housing Stop Bracket, for Paper Wind Lever  
 Driving Rod (see plate 20)  
 b18KC24 Housing Stud, for Paper Wind Ratchet Detent,  
 assembled (see plate 20)  
 a18KC25 Housing Stud Split Pin,  $\frac{1}{8}'' \times \frac{1}{8}''$  (see plate 20)  
 a18KC26 Housing Stud Washer (see plate 20)  
 c18KC29K† Punch Guide, front  
 18KC30 Punch Guide Index Plate  
 18KC31 Punch Guide Index Plate Screw (2),  $\frac{1}{8}'' \times \frac{1}{8}''$ , to  
 Guide  
 18KC32 Punch Guide Screw, left,  $\frac{1}{8}'' \times \frac{1}{8}''$ , through  
 Housing (see plate 20)  
 18KC33 Punch Guide Screw, right,  $\frac{1}{8}'' \times \frac{1}{8}''$ , through  
 Housing (see plate 20)  
 a18KC34K† Tension Arm, for Punch Bars (see plate 21)  
 18KC35 Tension Arm Key (see plate 20)  
 18KC36 Tension Arm Lever, for Paper Feed Valve Cam  
 (see plate 20)  
 18KC37 Tension Arm Lever Clamp Screw,  $\frac{1}{8}'' \times \frac{1}{4}''$  (see  
 plate 20)  
 a18KC39 Tension Arm Shoe (see plate 21)  
 a18KC40 Tension Arm Shoe Rivet (2) (see plate 21)  
 c18KC41 Punch Guide, rear (not supplied separately, order  
 b18KC29K) (see plate 20)  
 a18KC42 Punch Guide Knob (see plate 20)  
 a18KC43 Punch Guide Screw (2),  $\frac{1}{8}'' \times \frac{1}{8}''$  (see plate 20)  
 a18KC44 Punch Bar Guide, front  
 a18KC45 Punch Bar Guide, rear (see plate 20)  
 a18KC46 Punch Bar Guide Screw (2),  $\frac{1}{8}'' \times \frac{1}{8}''$  (see plate 20)  
 a18KC47 Housing Punch Lock Knob Stop  
 Paper Marker Plate  
 18KC49 Punch Guide Index Plate Screw, also for Paper  
 Marker Plate (2),  $\frac{1}{8}'' \times \frac{1}{8}''$ , to Guide  
 18KC50 Cylinder Die Taper Pin (see plate 21)  
 18KC51 Housing (right) Screw Washer, KEYSTROKE  
 COUNTER ATTACHMENT (see plate 28)  
 18KC52 Punch Guide Taper Pin (2)  
 18KC54 Nameplate  
 18KC55 Nameplate  
 18KC56 Nameplate Screw (4),  $\frac{1}{8}'' \times \frac{1}{8}''$ , roundhead  
*Xb18KC* Paper Tower group; consists of Xa2KC, Xa3KC,  
 Xa4KC, Xa6KC, X7KC, Xa8KC, Xb3KC,  
 X17KC, b18KC1K, 18KC4(2), 18KC7(4),  
 f18KC9, 18KC10, 11 and 12, 18KC14(2),

f18KC15, 18KC16K, 18KC17, 18KC19 and 20,  
 18KC21(2), a18KC22 and 23, b18KC24,  
 a18KC25 and 26, c18KC29K, 18KC30, 18KC32  
 and 33, a18KC34K, 18KC35, 36 and 37, a18KC44  
 and 45, a18KC46(2), a18KC47, 18KC49,  
 18KC50(2), 18KC54(2), Xa21KC, X22KC,  
 Xa23KC, Xa24KC, Xb25KC, Xc14KC,  
 Xa35KC, Xa46KC, X82KC  
 \*b18KC1K consists of b18KC1, 18KC2, 18KC3(4),  
 18KC5(2), 18KC6(6), 18KC51  
 †18KC16K consists of 18KC16, 18KC18  
 ‡18KC29K consists of c18KC29, a18KC41,  
 a18KC42, a18KC43(2)  
 §a18KC34K consists of a18KC34, a18KC39,  
 a18KC40(2)  
 \*Can be fitted only at Workshops  
 †Standard Keyboards numbered 22301 to 24460 in-  
 clusive and Duplex Keyboards numbered 0179 to  
 0287 inclusive were equipped with this part  
 Duplex Keyboard double above quantities

**20KC**  
 c20KC1 Paper Tower Cover, front, large  
 b20KC1K\* Paper Tower Cover, front, large, JUSTIFIED  
 LETTER - SPACING ATTACHMENT (see  
 plate 32)  
 20KC2 Paper Tower Cover, front, small  
 20KC3 Screw (5),  $\frac{1}{8}'' \times \frac{1}{8}''$   
 Xb20KC Paper Tower Cover, front, group; consists of  
 c20KC1, 20KC2, 20KC3(5)  
 \*b20KC1K consists of 17KC12, b20KC1  
 Duplex Keyboard double above quantities

**32KC**  
 32KC1 Punch, regular (29)  
 32KC2 Punch, justifying (2)  
 32KC2 Punch group; consists of 32KC1(29), 32KC2(2)  
 Duplex Keyboard double above quantities

**35KC**  
 a35KC9 Punch Bar Separator  
 a35KC10 Screw (2),  $\frac{1}{8}'' \times \frac{1}{8}''$   
 Xa35KC Punch Bar Separator group; consists of a35KC9  
 a35KC10(2)  
 Duplex Keyboard double above quantities

*Additional Parts for Keyboards equipped with Key Transfer facilities*

**18KC**

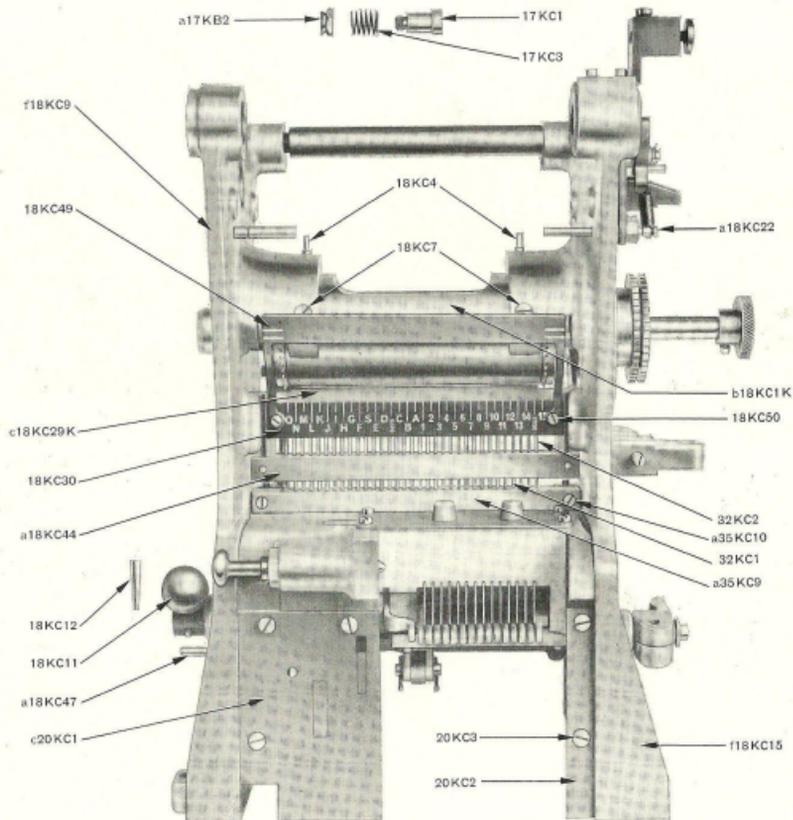
**Paper Tower**

**Punch Guide Index Plate**

*a18KC30*  
*Xc18KC*

Paper Tower group: consists of Xa2KC, Xa3KC, X5KC, Xa6KC, X7KC, Xb8KC, Xb13KC, X17KC, b18KC1K, 18KC4(2), 18KC7(4), f18KC9, 18KC10, 11 and 12, f18KC13, 18KC16K, 18KC17, 18KC19 and 20, 18KC21(2), a18KC22 and 23, b18KC24, a18KC25 and 26, c18KC29K, a18KC30, 18KC32 and 33, a18KC34K, 18KC35, 36 and 37, a18KC44 and 45, a18KC46(2), a18KC47, 18KC49, 18KC50(2), 18KC54(2), 18KC55, 18KC56(4), Xa21KC, X22KC, Xa23KC, Xa24KC, Xb25KC, Xg34KC, Xa35KC, Xc46KC, X82KC, 92KCS and 6

Duplex Keyboard double above quantities



**PLATE 19**

- 3KC**  
**Paper Feed Pawl Ring**  
 3KC2 Adjusting Screw (2),  $\frac{3}{8}$ "  $\times$   $1\frac{1}{4}$ ", grub  
 Duplex Keyboard double above quantity
- 14KC**  
 14KC1 **Paper Shaft, for Supply Roll**  
 Duplex Keyboard double above quantity
- 18KC**  
**Paper Tower**  
 18KC21 Housing Screw (2),  $\frac{1}{2}$ "  $\times$   $\frac{1}{2}$ ", to Piston Block  
 18KC23 Housing Stop Bracket, for Paper Wind Lever  
 Driving Rod  
 18KC24 Housing Stud, for Paper Wind Ratchet Detent,  
 assembled  
 18KC25 Housing Stud Split Pin,  $\frac{1}{8}$ "  $\times$   $\frac{3}{8}$ "  
 18KC26 Housing Stud Washer  
 18KC32 Punch Guide Screw, left,  $\frac{1}{2}$ "  $\times$   $\frac{9}{16}$ ", through  
 Housing  
 18KC33 Punch Guide Screw, right,  $\frac{1}{2}$ "  $\times$   $\frac{9}{16}$ ", through  
 Housing  
 18KC35 Tension Arm Key  
 18KC36 Tension Arm Lever, for Paper Feed Valve Cam  
 18KC37 Tension Arm Lever Clamp Screw,  $\frac{1}{4}$ "  $\times$   $\frac{1}{4}$ "

- c18KC41 Punch Guide, rear (not supplied separately,  
 order c18KC29K)  
 a18KC42 Punch Guide Knob  
 a18KC43 Punch Guide Screw (2),  $\frac{1}{2}$ "  $\times$   $\frac{9}{16}$ "  
 a18KC45 Punch Bar Guide, rear  
 a18KC46 Punch Bar Guide Screw (2),  $\frac{1}{2}$ "  $\times$   $\frac{9}{16}$ "  
 Duplex Keyboard double above quantities

- 19KC**  
 a19KC1 **Paper Tower Cover, rear**  
 Duplex Keyboard double above quantities

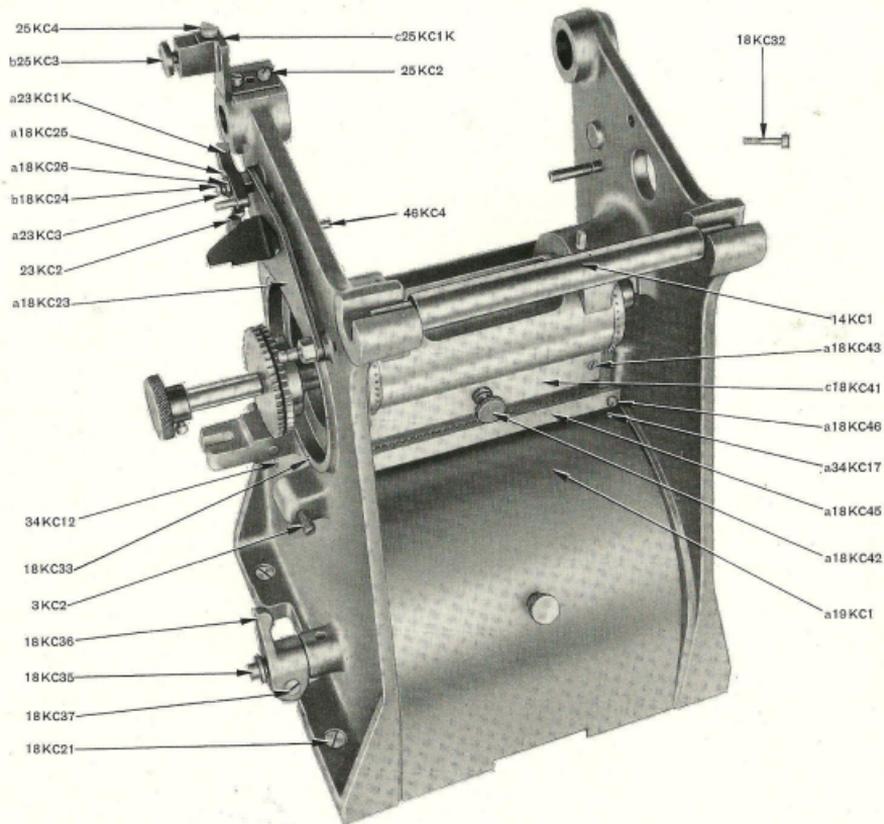
- 23KC**  
 a23KC1K\* **Paper Wind Ratchet Detent**  
 23KC2 Spring  
 a23KC3 Pin  
*Xa23KC* Paper Wind Ratchet Detent group; consists of  
 a23KC1K, 23KC2  
 \*a23KC1K consists of a23KC1, a23KC3  
 Duplex Keyboard double above quantities

- 25KC**  
 c25KC1K\* **Paper Feed Release Plate Link Bracket**  
 25KC2 Screw (2),  $\frac{1}{2}$ "  $\times$   $\frac{1}{2}$ "

- a25KC2\* Pin  
 b25KC3 Pin  
 25KC4 Pin Screw  
*Xb25KC* Paper Feed Release Plate Link Bracket group;  
 consists of c25KC1K, 25KC2(2)  
 \*c25KC1K consists of c25KC1, b25KC3, 25KC4  
 †Standard Keyboards numbered prior to 24825 and  
 Duplex Keyboards numbered prior to 0309 were  
 equipped with this part  
 Duplex Keyboard double above quantities

- 34KC**  
 34KC12 **Punch Bar Lever**  
 a34KC17 Bracket Screw (4),  $\frac{1}{8}$ "  $\times$   $\frac{3}{8}$ "  
 Bracket Pin (2)  
 Duplex Keyboard double above quantities

- 46KC**  
**Paper Spool Guide**  
 b46KC3 Post (3) (see plate 24)  
 46KC4 Post and Paper Tower Housing Spring Post  
*Xc46KC* Paper Spool Guide group; consists of b46KC3(3),  
 46KC4  
 Duplex Keyboard double above quantities



**PLATE 20**

## 18KC

### Paper Toner

18KC2	Cylinder Die
18KC3	Cylinder Die Screw (4), to Cylinder
18KC5	Cylinder Head (2)
18KC6	Cylinder Head Screw (6), $\frac{1}{8}$ " $\times$ $\frac{3}{8}$ ", countersunk, to Cylinder
18KC10	Housing Punch Lock
18KC14	Housing Screw (2), $\frac{1}{4}$ " $\times$ $\frac{1}{2}$ ", to Piston Block
a18KC14K	Tension Arm, for Punch Bars
a18KC19	Tension Arm Shoe
a18KC40	Tension Arm Shoe Ring (2)
18KC51	Cylinder Die Taper Pin

Duplex Keyboard double above quantities

## 33KC

a33KC1	Punch Bar, front (10)
a33KC2	Punch Bar, middle (11)
a33KC3	Punch Bar, rear (12)
a33KC8	Punch Bar, middle, 'O', JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)
Xa33KC	Punch Bar group; consists of a33KC1(10), a33KC2(11), a33KC3(12)

Duplex Keyboard double above quantities

## 34KC

34KC11	Punch Bar Lever, regular (14)
a34KC1	Punch Bar Lever, regular (14)
34KC21	Punch Bar Lever, left-hand, bent
b34KC2A*	Punch Bar Lever, left-hand, bent, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)
c34KC2	Punch Bar Lever, left-hand, bent
a34KC31	Punch Bar Lever, right-hand
b34KC3	Punch Bar Lever, right-hand
f34KC7K†	Bracket
g34KC7K†	Bracket, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)
34KC8	Bracket Plunger

34KC9	Bracket Plunger Head
34KC10	Bracket Plunger Sleeve Nut
34KC11	Bracket Plunger Spring
34KC12	Bracket Screw (4), $\frac{1}{8}$ " $\times$ $\frac{1}{8}$ " (see plate 20)
34KC13	Fulcrum Rod
a34KC14	Liner (14)
a34KC15	Liner Separator
a34KC16	Liner Separator Screw (4), $\frac{1}{8}$ " $\times$ $\frac{3}{8}$ "
a34KC17	Bracket Pin (2) (see plate 20)
a34KC23	Connecting Pin, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)
a34KC24	Connecting Pin Operating Sleeve, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)
34KC25	Return Spring, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)
34KC26§	Return Spring Hook Plate, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)
34KC27	Return Spring Post, JUSTIFIED LETTER-SPACING ATTACHMENT (not supplied separately, order b34KC2K) (see plate 32)
34KC28¶	Bracket Make-up Washer (as required), JUSTIFIED LETTER-SPACING ATTACHMENT
a34KC30	Bracket Cover
34KC31	Bracket Cover Screw (4), $\frac{1}{8}$ " $\times$ $\frac{1}{8}$ "
34KC32	Spring (16)
34KC33	Spring Carrier
34KC34	Spring Carrier Screw (2), $\frac{1}{8}$ " $\times$ $\frac{1}{8}$ "
34KC35	Oiler (2), "Press Ball" $\frac{1}{8}$ " in Cover, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)
34KC36	Oiler, "Press Ball" $\frac{1}{8}$ " in Cover, JUSTIFIED LETTER-SPACING ATTACHMENT (see plate 32)

Xa34KC Punch Bar Lever group; consists of a34KC1(14), c34KC2, b34KC3, f34KC7K, 34KC8 to 11 inclusive, 34KC12(4), 34KC13, a34KC14(14), a34KC15, a34KC16(4), 34KC32(16), 34KC33, 34KC34(2)

Xf34KC Punch Bar Lever, JUSTIFIED LETTER-SPACING ATTACHMENT, group; consists of a34KC1(14), b34KC2K, b34KC3, g34KC7K, 34KC13, a34KC23 and 24, 34KC25 and 26, 34KC32(15), 34KC33, 34KC34(2)

\*b34KC2K consists of b34KC2, 34KC27

†f34KC7K consists of f34KC7, a34KC17(2), a34KC30, 34KC31(4), 34KC35(2)

‡b34KC7K consists of g34KC7, a34KC17(2), a34KC30, 34KC31(4), 34KC35(2), 34KC36

§Not required for Keyboards equipped with Unit-Adding Attachment

¶For Brackets not having boss for Operating Lever Handle

||Standard Keyboards numbered 22301 to 24310 inclusive and Duplex Keyboards numbered 0179 to 0276 inclusive were equipped with these parts

Duplex Keyboard double above quantities

## 38KC

38KC1	Tension Arm Connecting Rod
38KC2	Yoke(2)
38KC3	Yoke Lock Nut (2)
38KC4	Yoke Pin (2)
38KC5	Yoke Pin Split Pin (4), $\frac{1}{8}$ " $\times$ $\frac{1}{8}$ "
a38KC6	Yoke Oil Pad, for lower Eye
X38KC	Tension Arm Connecting Rod group; consists of 38KC1, 38KC2(2), 38KC3(2), 38KC4(2), 38KC5(4), a38KC6

Duplex Keyboard double above quantities

## 40KC

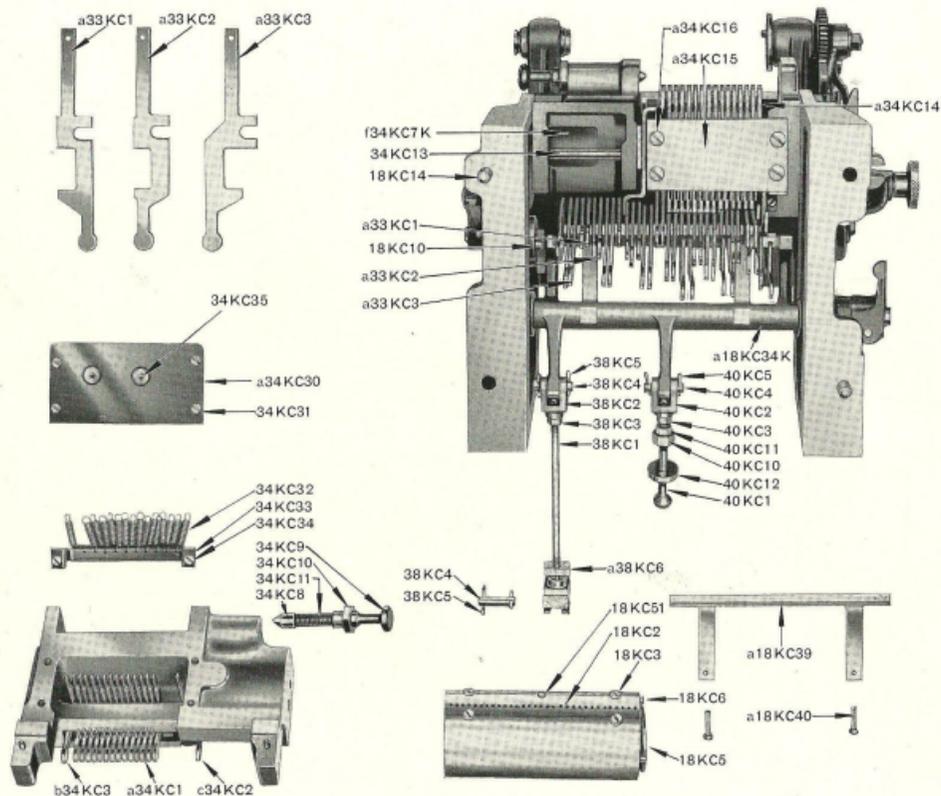
40KC1	Tension Arm Piston Rod
40KC2	Yoke
40KC3	Yoke Lock Nut
40KC4	Yoke Pin
40KC5	Yoke Pin Split Pin (2), $\frac{1}{8}$ " $\times$ $\frac{1}{8}$ "
40KC10	Stop Nut
40KC11	Stop Nut Lock Nut
40KC12	Washer
Xc40KC	Tension Arm Piston Rod group; consists of 40KC1 to 4 inclusive, 40KC3(2), 40KC10, 11 and 12

Duplex Keyboard double above quantities

*Additional Parts for Keyboards equipped with Key Transfer facilities*

**34KC**

<i>a34KC1</i>	Punch Bar Lever, regular (16)
<i>h34KC7K*</i>	Bracket
<i>a34KC14</i>	Liner (15)
<i>c34KC15</i>	Liner Separator
<i>34KC32</i>	Spring (17)
<i>a34KC33</i>	Spring Carrier
<i>Xg34KC</i>	Punch Bar Lever group; consists of a34KC1(16), c34KC2, b34KC3, h34KC7K, 34KC8 to 11 inclusive, 34KC12(4), 34KC13, a34KC14(15), c34KC15, a34KC16(4), 34KC32(17), a34KC33, 34KC34(2)
	*h34KC7K consists of h34KC7, a34KC17(2), a34KC30, 34KC31(4), 34KC35(2)
	Duplex Keyboard double above quantities



**PLATE 21**

**2KC**

a2KC1 Paper Feed Pawl Lever  
 2KC2 Pin, operating 7KC1  
 a2KC3 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a2KC4 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a2KC5 Stud Washer  
 a2KC6 Stud, for Paper Feed Rod Eye  
 a2KC7 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a2KC8 Stud Washer  
 a2KC9 Stud, for a21KC7  
 a2KC10 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a2KC11 Stud Washer  
 Paper Feed Pawl Lever group; consists of a2KC1, 2KC2, a2KC3 to 11 inclusive  
 Duplex Keyboard double above quantities

**3KC**

3KC1K\* Paper Feed Pawl Ring  
 3KC2 Adjusting Screw (2),  $\frac{1}{8}'' \times \frac{1}{4}''$ , grub (see plate 20)  
 3KC3 Screw (2),  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a3KC4 Stud, for 5KC1K  
 a3KC5 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a3KC6 Stud Washer  
 a3KC7 Stud, for 7KC1  
 a3KC8 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a3KC9 Stud Washer  
 3KC10 Screw,  $\frac{1}{8}'' \times \frac{1}{4}''$ , Paper Feed Lock  
 Paper Feed Pawl Ring group; consists of 3KC1K, 3KC2(2), 3KC3(2), 3KC10  
 \*3KC1K consists of 3KC1, a3KC4 to 9 inclusive  
 Duplex Keyboard double above quantities

**5KC**

5KC1K\* Paper Feed Ratchet Detent  
 5KC1K/1 Paper Feed Ratchet Detent, .003" undersize  
 5KC1K/2 Paper Feed Ratchet Detent, .006" undersize  
 5KC1K/3 Paper Feed Ratchet Detent, .009" undersize  
 5KC1K/4 Paper Feed Ratchet Detent, .003" oversize  
 5KC2 Pin  
 5KC3 Spring  
 a5KC Paper Feed Ratchet Detent group; consists of 5KC1K, 5KC3  
 \*3KC1K consists of 5KC1 and 2  
 \*5KC1K/1 consists of 5KC1/1, 5KC2  
 \*5KC1K/2 consists of 5KC1/2, 5KC2  
 \*5KC1K/3 consists of 5KC1/3, 5KC2  
 \*5KC1K/4 consists of 5KC1/4, 5KC2  
 Duplex Keyboard double above quantities

**6KC**

a6KC1K\* Paper Feed Ratchet Pawl, driving  
 b6KC2 Pin  
 6KC3 Spring  
 a6K Paper Feed Ratchet Pawl, driving, group; consists of a6KC1K, 6KC3  
 \*a6KC1K consists of a6KC1, b6KC2  
 Duplex Keyboard double above quantities

**7KC**

7KC1 Paper Feed Ratchet Pawl, stop  
 7KC2 Spring  
 a7KC3 Guide  
 X7KC Paper Feed Ratchet Pawl, stop, group; consists of 7KC1 and 2, a7KC3  
 Duplex Keyboard double above quantities

**8KC**

8KC1K\* Paper Feed Release Plate  
 b8KC2 Link  
 8KC4 Stud  
 a8KC5 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a8KC6 Stud Washer  
 a8KC7 Stud Washer  
 Xa8KC Paper Feed Release Plate group; consists of 8KC1K, b8KC2, 8KC4  
 \*8KC1K consists of 8KC1, b8KC3, a8KC6 and 7  
 Duplex Keyboard double above quantities

**9KC**

9KC1 Paper Feed Rod  
 9KC2 Eye (2)  
 9KC3 Eye Lock Nut (2)  
 9KC4 Stop Nut (2)  
 9KC5 Stop Nut Lock Nut (2)  
 9KC6 Washer, fibre (2)  
 X9KC Paper Feed Rod group; consists of 9KC1, 9KC2(2), 9KC3(2), 9KC4(2), 9KC5(2), 9KC6(2)  
 Duplex Keyboard double above quantities

**12KC**

a12KC1 Paper Feed Valve Cam  
 12KC2 Adjusting Screw (2),  $\frac{1}{8}'' \times \frac{3}{8}''$ , hexagon  
 12KC3 Adjusting Screw Nut (2)  
 12KC4 Screw,  $\frac{1}{8}'' \times \frac{3}{8}''$   
 12KC5 Screw Washer  
 X12KC Paper Feed Valve Cam group; consists of a12KC1, 12KC2(2), 12KC3(2), 12KC4 and 5  
 Duplex Keyboard double above quantities

**18KC**

18KC16K Housing Paper Wind Shaft  
 18KC17 Housing Paper Wind Shaft Nut  
 18KC18 Housing Paper Wind Shaft Pin, for Flange and Tube  
 18KC19 Housing Paper Wind Shaft Spring Post, for Paper Wind Ratchet Spring  
 18KC20 Housing Paper Wind Shaft Washer  
 Duplex Keyboard double above quantities

**21KC**

21KC1K\* Paper Wind Lever  
 a21KC2 Stud, for b24KC1K  
 a21KC3 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a21KC4 Stud Washer  
 a21KC5 Stud, for a21KC7  
 a21KC6 Stud Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 a21KC7 Driving Rod  
 a21KC8 Spring Post, for b24KC1K  
 Xa21KC Paper Wind Lever group; consists of 21KC1K, a21KC2, a21KC3, a21KC4, a21KC5, a21KC6, a21KC7, a21KC8  
 \*21KC1K consists of 21KC1, a21KC2 to 6 inclusive, a21KC8  
 Duplex Keyboard double above quantities

**22KC**

22KC1K\* Paper Wind Ratchet  
 22KC2 Spring  
 22KC3 Spring Post  
 X22KC Paper Wind Ratchet group; consists of 22KC1K, 22KC2  
 \*22KC1K consists of 22KC1, 22KC3  
 Duplex Keyboard double above quantities

**24KC**

b24KC1K\* Paper Wind Ratchet Pawl  
 24KC2 Spring, long  
 a24KC3 Pin  
 a24KC4 Spring, short  
 a24KC5 Spring Post  
 Xa24KC Paper Wind Ratchet Pawl group; consists of b24KC1K, 24KC2, a24KC4  
 \*b24KC1K consists of b24KC1, a24KC3, a24KC5  
 Duplex Keyboard double above quantities

**82KC**

82KC1 Paper Feed Lock  
 82KC2 Adjusting Screw,  $\frac{1}{8}'' \times \frac{1}{4}''$ , grub  
 82KC3 Adjusting Screw Lock Nut  
 82KC4 Bracket  
 82KC5 Fulcrum Screw  
 82KC6 Fulcrum Screw Nut  
 82KC7 Spring  
 82KC8 Spring Screw,  $\frac{1}{8}'' \times \frac{1}{2}''$ , countersunk  
 82KC9 Spring Screw Nut  
 X82KC Paper Feed Lock group; consists of 82KC1 to 9 inclusive  
 Duplex Keyboard double above quantities

*Additional Parts for Keyboards equipped with Key Transfer facilities*

**8KC**

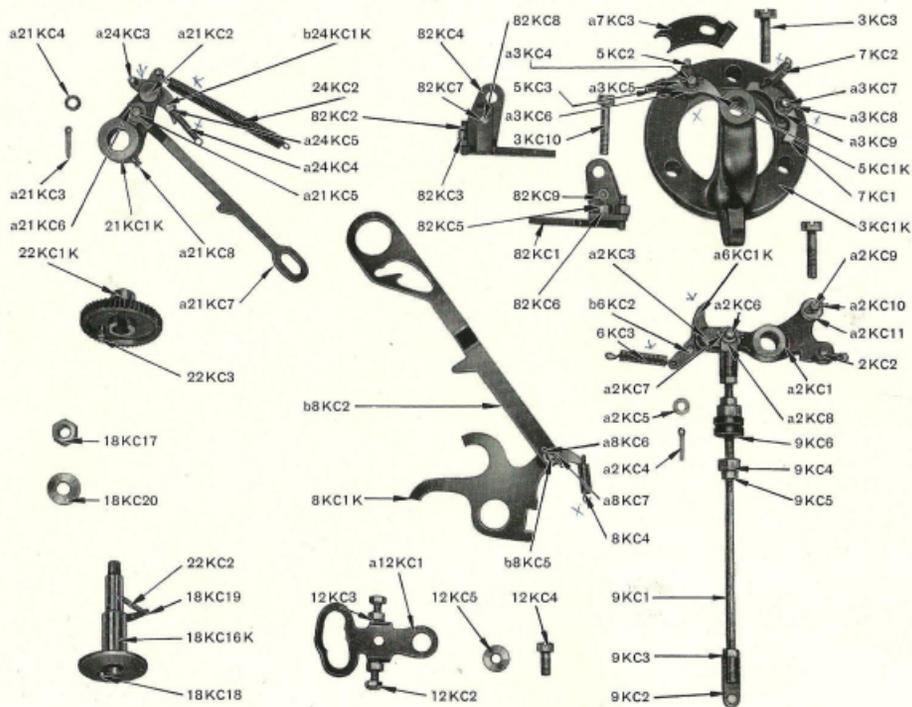
**Paper Feed Release Plate**

Spring Post, in Paper Tower Housing

*8KC8*  
*X68KC*

Paper Feed Release Plate group; consists of  
8KC1K, 68KC2, 8KC4, 8KC8

Duplex Keyboard double above quantities



**PLATE 22**

### 32KB

32KB1	Unit Rack Stop Bar, plain, specify Unit Value and Stop Bar Case No.
a32KB1	Unit Rack Stop Bar, adaptable, specify Unit Value and Stop Bar Case No.
32KB2	Unit Rack Stop Bar, with Spring Hook, specify Unit Value and Stop Bar Case No.
a32KB38	Case
c32KB38	Case, for Mathematical Work
a32KB4	(S, No.) Case Cap, Special, designation by S. No.
b32KB4	Case Cap, Standard S.594
b32KB4	Case Cap, S. No. 535, for Typewriter Matter
32KB5	Case Cap Screw (2), $\frac{1}{8} \times \frac{1}{4}$ "
32KB6	Case Dummy Plate, fixed (4)
32KB7	Case Separator (17)
b32KB8	Case Separator Tube
b32KB9	Case Separator Tube Pin (2)
a32KB10	Case Separator Rod, upper
32KB11	Case Separator Washer (28)
a32KB12	Case Shoe, lower
a32KB13	Case Shoe, upper
32KB14	Case Shoe Screw (4), $\frac{3}{8} \times \frac{11}{16}$ ", countersunk
32KB15	Case Spring Post (2)
32KB16	Spring, for Unit Rack Stop Bar with Spring Hook
32KB46K*	Case Dummy Plate, for Typewriter Matter
32KB47	Case Dummy Plate Rivet (2), for Typewriter Matter
32KB49	Case Dummy Plate, loose
32KB50	Bail (2), for Mathematical Work
32KB51	Guide, left, for Mathematical Work
32KB52	Guide, right, for Mathematical Work
32KB53	Guide Post (2), for Mathematical Work
32KB54	Guide Screw (2), $\frac{1}{8} \times \frac{1}{4}$ ", for Mathematical Work
32KB55	Spring, for Mathematical Work
32KB56	Spring Post, for Mathematical Work
a32KB57K†	Unit Rack Stop Bar, spring loaded, specify Unit Value and Stop Bar Case No.
32KB58	Unit Rack Stop Bar, spring loaded, adaptable
32KB59	Unit Rack Stop Bar, Part 2
32KB60	Pin (2)
X32KB	Spring
X32KB	Unit Rack Stop Bar, special, designation by S. No. group
Xa32KB	Unit Rack Stop Bar, Standard S.594, group
Xc32KB	Unit Rack Stop Bar, for Typewriter Matter, designation by S. No. 535, group; consists of a32KB3, b32KB4, 32KB5(2), a32KB8, a32KB9(2), 32KB14(2), 32KB46K

Xc32KB	Unit Rack Stop Bar, for Mathematical Work, designation by S. No. 1141, group; consists of 32KB1(5), 32KB2(8), c32KB3, 32KB4, 32KB5(2), 32KB6(6), 32KB7(17), a32KB8, a32KB9(2), a32KB10, 32KB11(24), a32KB12 and 13, 32KB14(4), 32KB15(8), 32KB16(8), 32KB50(2), 32KB51 and 52, 32KB53(2), 32KB54(2), 32KB55 and 56
*32KB46K	consists of a32KB12, 32KB46, 32KB47(2)
†32KB57K	consists of 32KB57 and 58, 32KB59(2), 32KB60
‡a32KB57K	consists of a32KB, 32KB58, 32KB59(2), 32KB60

§Can be fitted only at Workshops

Note: The quantities shown against the parts refer to the Standard S.594 stop bars only. For stop bars designated by other S. Nos. these will vary accordingly. When ordering parts for this group, give the symbol stamped on top of the case and the unit value of the bar.

Duplex Keyboard double above quantities

*Additional Parts for Keyboards equipped with Key Transfer facilities*

**32KB**

Unit Rack Stop Bar

*d32KB3*

Case

*e32KB4*

Case Cap, designated by S. No.

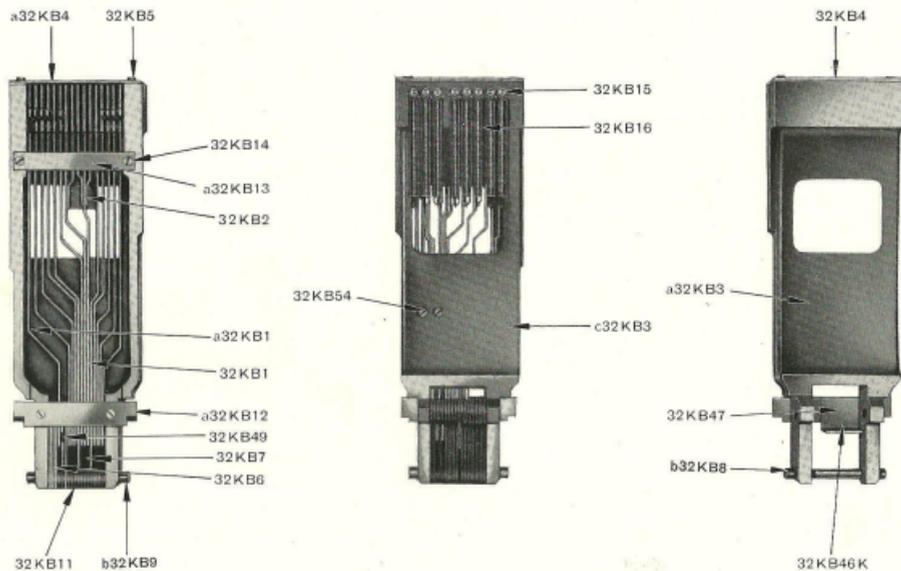
*e32KB13*

Case Shoe, upper

*Xg32KB*

Unit Rack Stop Bar, designated by S. No. group

Duplex Keyboard double above quantities



**10KB**

- b10KB1 Justifying Scale, Composition Matter (designation by set size)  
 c10KB1\* Justifying Scale, Proportional Justification  
 d10KB1 Justifying Scale, designation by set size (141, 131, 12 or 92), for Typewriter Matter  
 e10KB1 Justifying Scale, Combined Spacing, Proportional Justification, 3 Unit Basis  
 f10KB1 Justifying Scale, Separate Spacing, Proportional Justification, 1 Unit Basis  
 \*e10KB1 consists of b10KB1 (92 set)  
 Duplex Keyboard double above quantities

**15KC**

- Paper Spool**  
 b15KC1 Flange and Tongue (2)  
 a15KC5 Flange and Tube (2)  
 Xb15KC Paper Spool group (2); each consists of b15KC1, a15KC5  
 Duplex Keyboard double above quantities

a16KC1

a16KC2  
 a16KC3  
 a16KC4  
 Xa16KC

**16KC**

- Paper Spool Shaft** (not supplied separately, order Xa16KC)  
 Head  
 Head Spring  
 Washer  
**Paper Spool Shaft group**; consists of a16KC1 to 4 inclusive  
 Duplex Keyboard double above quantities

**45KC****Paper Brake**

- b45KC1† Brake Arm, right  
 c45KC1 Brake Arm, right  
 b45KC2† Brake Arm, left  
 c45KC2 Brake Arm, left  
 c45KC3 Rod  
 c45KC6\* Fulcrum Pin Rivets (6)  
 c45KC7† Rod  
 c45KC8† Plate, right  
 c45KC9† Plate, left  
 b45KC11† Tension Rod Spring (2)  
 b45KC12† Weight

b45KC14†  
 45KC19  
 Xb45KC

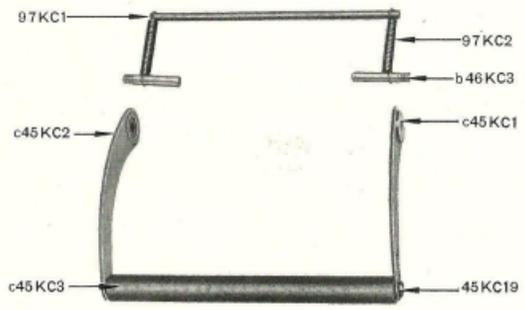
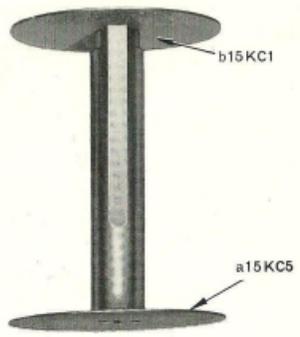
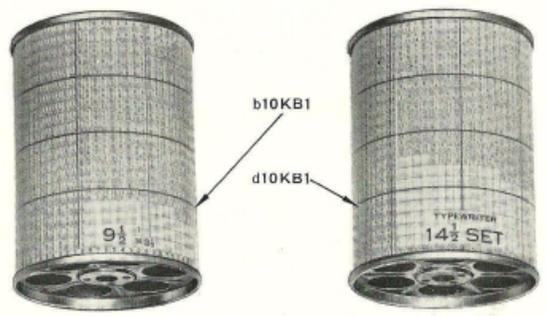
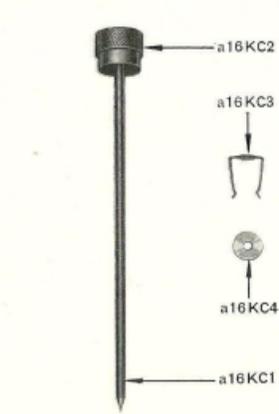
- Distance Rod  
 Rod Screw (2),  $\frac{3}{8}'' \times \frac{1}{4}''$   
**Paper Brake group**; consists of c45KC1, 2 and 3  
 45KC19(2)  
 \*Standard Keyboards numbered 22940, 22941, 22950 to 23103 inclusive  
 †Duplex Keyboards numbered 0214 to 0219 inclusive were equipped with this part  
 †Standard Keyboards numbered 25591, 25594, 25595, 25721 to 27392 inclusive  
 Duplex Keyboards numbered 0390 to 0535 inclusive were equipped with these parts

**46KC**

- Paper Spool Guide**  
 b46KC3 Post (3)

**97KC**

- b46KC3  
 97KC1  
 97KC2  
 X97KC  
**Paper Tension Rod**  
 Spring (2)  
**Paper Tension Rod group**; consists of 97KC1, 97KC2(2)  
 Duplex Keyboard double above quantities



**PLATE 24**

## 18KA

### DUPLEX KEYBOARD

18KA1 Justifying Space Cut-Out Support, right

## 19KA

19KA1 Justifying Space Cut-Out Support, left, DUPLEX KEYBOARD

619KA1 Justifying Space Cut-Out Support, STANDARD KEYBOARD

19KA2 Oil Pipe, STANDARD KEYBOARD

19KA3 Oil Pipe Nut, STANDARD KEYBOARD

## 72KB

672KB\* Cable, 20' long (3), DUPLEX KEYBOARD

672KB2 Cable, Switch to Signal Lamp, left-hand, DUPLEX KEYBOARD

672KB3 Cable, 31' long, DUPLEX KEYBOARD

672KB4 Cable, Junction Box to Switch, right-hand, DUPLEX KEYBOARD

72KB5† Cable, 20' long, Signal Lamp to Switch, left, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT

72KB6\* Cable, 41' long (2), DUPLEX KEYBOARD

672KB6 Cable, Switch to Signal Lamp, right-hand, DUPLEX KEYBOARD

72KB8\* Cable, 64' long (2), DUPLEX KEYBOARD

672KB8 Cable, Junction Box to Switch, left-hand, DUPLEX KEYBOARD

\*Duplex Keyboards numbered 0179 to 0341 inclusive were equipped with these parts

†Attachments supplied on and after 20th September, 1947, and prior to 25th September, 1956, were equipped with this part

## 75KB

### DUPLEX KEYBOARD

675KB1 Signal Lamp, "Neon", specify voltage (2):

90-110 volts

160-280 volts

75KB6 Collar, insulator (2)

## 88KB

DUPLEX KEYBOARDS (supplied prior to September, 1951)

88KB1 Plug Socket, Copy Lamp, Edison Screw

a88KB1 Plug Socket, Copy Lamp, Bayonet

88KB3 Screw (2),  $\frac{1}{8} \times \frac{1}{4}$ , to Bracket, for 88KB1

a88KB3 Screw (3),  $\frac{1}{8} \times \frac{1}{4}$ , countersunk, to Bracket, for a88KB1

88KB5 Plug Nut, Edison Screw (2), Bayonet (3)

X88KB Plug Socket, Copy Lamp, Edison Screw, group; consists of 88KB1, 88KB3(2), 88KB5(2)

Xa88KB

Plug Socket, Copy Lamp, Bayonet, group; consists of a88KB1, a88KB3(3), 88KB5(3)

## 91KB

DUPLEX KEYBOARDS (supplied prior to September, 1951)

91KB2 Insulator, large

91KB3 Insulator, small

91KB4 Screw (2),  $\frac{1}{8} \times \frac{1}{4}$ , to Piston Block Base

X91KB Plug Socket Bracket, Copy Lamp, group; consists of 91KB1, 2 and 3, 91KB4(2)

## 92KB

DUPLEX KEYBOARDS (supplied prior to September, 1951)

a92KB1 Cable Connector

92KB1 Clip Screw Nut

92KB3 Clip Screw,  $\frac{1}{8} \times \frac{1}{4}$ , countersunk

Xa92KB Cable Connector group; consists of a92KB1, 92KB3, 4 and 5

## 56KC

### DUPLEX KEYBOARD

Piston Block Base

Bracket Plate, for pipes

Bracket Plate Pipe, to Lock Switch Valve, left

Bracket Plate Pipe, to Lock Switch Valve, right

a56KC4 Pipe, from Plunger 11, left

a56KC5 Pipe, from Plunger 13, left

a56KC6 Pipe, from Plunger 10, left

a56KC7 Pipe, from Plunger 9, left

a56KC8 Pipe, from Plunger 5, left

a56KC9 Pipe, from Plunger 13, left

a56KC10 Pipe, from Plunger 10, left

a56KC11 Pipe, from Plunger 2, left

a56KC12 Pipe, from Plunger 14, left

a56KC13 Pipe, from Plunger 7, left

a56KC14 Pipe, from Plunger 16, -0005" left, to Tee Cylinder

a56KC15 Plunger, left

a56KC16 Pipe, from Punch Lock Cylinder Plunger to -0005" Piston, left

a56KC17 Pipe, from Plunger 9, left

a56KC18 Pipe, from Plunger 1, left

a56KC19 Pipe, from Plunger 12, left

a56KC20 Pipe, from Plunger 3, left

a56KC21 Pipe, from Plunger 6, left

a56KC22 Pipe, from Plunger 8, left

a56KC23 Pipe, from Plunger B, left

a56KC24 Pipe, from Plunger A, left

a56KC25 Pipe, from Plunger S, left

a56KC26 Pipe, from Plunger S, left

a56KC67

a56KC68

a56KC69

a56KC70

a56KC71

a56KC72

a56KC73

a56KC74

a56KC75

a56KC76

a56KC77

a56KC78

a56KC79

a56KC80

a56KC81

a56KC82

a56KC83

a56KC84

a56KC85

a56KC86

a56KC87

a56KC88

a56KC89

a56KC90

a56KC91

a56KC92

a56KC93

a56KC94

a56KC95

a56KC96

a56KC97

a56KC98

a56KC99

a56KC100

a56KC101

a56KC102

Pipe, from Plunger 17, left, to -0075" Piston, left

Pipe, from Plunger E, left

Pipe, from Plunger K, left

Pipe, from Plunger L, left

Pipe, from Plunger H, left

Pipe, from Plunger O, left

Pipe, from Plunger F, left

Pipe, from Plunger N, left

Pipe, from Plunger D, left

Pipe, from Plunger G, left

Pipe, from Plunger J, left

Pipe, from Plunger L, left

Pipe, from Plunger M, left

Pipe, from Plunger C, left

Pipe, Piston Block Base Bracket Plate to Reversing Valve Chest, left

Pipe, Piston Block Base Bracket Plate to Punch Return Piston, left

Pipe, Piston Block Space Switch Piston to Piston Block Space Switch Plunger (2)

Pipe, Piston Block Space Piston to Punch Lock Cylinder Plunger (2)

Pipe, Piston Block Space Switch Piston to Space Piston (2)

Pipe, Space Piston to Justifying Scale Pointer Piston (2)

Pipe, Punch Lock Cylinder to Piston Block Valve (2)

Pipe, Piston Block Valve to Piston, restoring (2)

Pipe, reversing, left, Lock Switch Valve to Piston Block Valve

Pipe, Restoring Piston to Bell Bracket, assembled (2)

Pipe, Punch Return Piston to Paper Feed Valve (2)

Pipe, Paper Feed Valve to Paper Feed Piston (4)

Pipe, Reversing Valve to Unit Wheel Driving Cylinder, right (2)

Pipe, Reversing Valve to Unit Wheel Driving Cylinder, left (2)

Pipe, Piston Block Base Bracket Plate to Lock Switch Valve

Flate, for Pipes attached to Punch Lock Cylinder (2)

Pipe, Exhaust for Space Counter (2)

Pipe, Lock Switch Valve to Punch Lock Cylinder, left

## DUPLEX

### KEYBOARD

58KC1 Piston Block Base Screw, front (2),  $\frac{1}{4} \times \frac{1}{4}$

58KC2 Piston Block Base Screw, top (2),  $\frac{1}{4} \times \frac{1}{4}$ , hexagon

(see plate 26)

X58KC Piston Block Base Screw group; consists of

58KC1(2), 58KC2(2)



**56KC****DUPLEX KEYBOARD**

h56KC1 **Piston Block Base** (not supplied separately, order X156KC)

- 56KC2 Bracket, right  
56KC3 Bracket, right  
56KC4† Bracket Plate, for pipes (see plate 25)  
56KC5\* Bracket Plate Pipes, to Lock Switch Valve, left (see plate 25)  
56KC6\* Bracket Plate Pipes, to Lock Switch Valve, right (see plate 25)  
56KC7 Bracket Plate Screw (4),  $\frac{3}{8} \times \frac{1}{2}$   
56KC9\* Pipe, from Plunger 11, right (see plate 25)  
56KC10\* Pipe, from Plunger 4, right  
56KC11\* Pipe, from Plunger 15, right  
56KC12\* Pipe, from Plunger 5, right  
56KC13\* Pipe, from Plunger 13, right  
56KC14\* Pipe, from Plunger 10, right  
56KC15\* Pipe, from Plunger 2, right  
56KC16\* Pipe, from Plunger 14, right  
56KC17\* Pipe, from Plunger 7, right  
56KC18\* Pipe, from Plunger 16, 0005\*, right, to Tee  
56KC19\* Pipe, from Punch Lock Cylinder Plunger to 0005\* Piston, right (see plate 25)  
56KC20\* Pipe, from Plunger 9, right  
56KC21\* Pipe, from Plunger 1, right  
56KC22\* Pipe, from Plunger 12, right  
56KC23\* Pipe, from Plunger 3, right  
56KC24\* Pipe, from Plunger 6, right  
56KC25\* Pipe, from Plunger 8, right  
56KC26\* Pipe, from Plunger B, right  
56KC28\* Pipe, from Plunger A, right  
56KC29\* Pipe, from Plunger 8, right  
56KC30\* Pipe, from Plunger 17, to 0075\* Piston, right  
56KC31\* Pipe, from Plunger E, right  
56KC32\* Pipe, from Plunger K, right  
56KC33\* Pipe, from Plunger I, right  
56KC34\* Pipe, from Plunger H, right  
56KC35\* Pipe, from Plunger O, right  
56KC36\* Pipe, from Plunger F, right  
56KC37\* Pipe, from Plunger N, right  
56KC38\* Pipe, from Plunger D, right  
56KC39\* Pipe, from Plunger G, right  
56KC40\* Pipe, from Plunger 1, right  
56KC41\* Pipe, from Plunger L, right  
56KC42\* Pipe, from Plunger M, right  
56KC43\* Pipe, from Bracket C, right  
56KC44\* Pipe, from Piston Block Base Bracket Plate to Reversing Valve Chest, right  
56KC45\* Pipe, Piston Block Base Bracket Plate to Punch Return Piston, right  
56KC46\* Pipe, from Plunger 11, left (see plate 25)  
56KC47\* Pipe, from Plunger 4, left (see plate 25)  
56KC48\* Pipe, from Plunger 15, left (see plate 25)  
56KC49\* Pipe, from Plunger 5, left (see plate 25)

- 56KC50\* Pipe, from Plunger 13, left (see plate 25)  
56KC51\* Pipe, from Plunger 10, left (see plate 25)  
56KC52\* Pipe, from Plunger 2, left (see plate 25)  
56KC53\* Pipe, from Plunger 14, left (see plate 25)  
56KC54\* Pipe, from Plunger 7, left (see plate 25)  
56KC55\* Pipe, from Plunger 16, 0005\*, left, to Tee  
56KC56\* Pipe, from Punch Lock Cylinder Plunger to 0005\* Piston, left (see plate 25)  
56KC57\* Pipe, from Plunger 9, left (see plate 25)  
56KC58\* Pipe, from Plunger 1, left (see plate 25)  
56KC59\* Pipe, from Plunger 12, left (see plate 25)  
56KC60\* Pipe, from Plunger 3, left (see plate 25)  
56KC61\* Pipe, from Plunger 6, left (see plate 25)  
56KC62\* Pipe, from Plunger 8, left (see plate 25)  
56KC63\* Pipe, from Plunger B, left (see plate 25)  
56KC65\* Pipe, from Plunger A, left (see plate 25)  
56KC66\* Pipe, from Plunger 8, left (see plate 25)  
56KC67\* Pipe, from Plunger 17, left, to 0075\* Piston, left (see plate 25)  
56KC68\* Pipe, from Plunger E, left (see plate 25)  
56KC69\* Pipe, from Plunger K, left (see plate 25)  
56KC70\* Pipe, from Plunger I, left (see plate 25)  
56KC71\* Pipe, from Plunger H, left (see plate 25)  
56KC72\* Pipe, from Plunger O, left (see plate 25)  
56KC73\* Pipe, from Plunger F, left (see plate 25)  
56KC74\* Pipe, from Plunger D, left (see plate 25)  
56KC75\* Pipe, from Plunger G, left (see plate 25)  
56KC76\* Pipe, from Plunger G, left (see plate 25)  
56KC77\* Pipe, from Plunger J, left (see plate 25)  
56KC78\* Pipe, from Plunger L, left (see plate 25)  
56KC79\* Pipe, from Plunger M, left (see plate 25)  
56KC80\* Pipe, from Plunger C, left (see plate 25)  
56KC81\* Pipe, Piston Block Base Bracket Plate to Reversing Valve Chest, right  
56KC82\* Pipe, Piston Block Base Bracket Plate to Punch Return Piston, left (see plate 25)  
56KC83\* Pipe, Piston Block Space Switch Piston to Piston Block Space Switch Valve Plunger (2) (see plate 25)  
56KC84\* Pipe, Piston Block Space Piston to Punch Lock Cylinder Plunger (2) (see plate 25)  
56KC85\* Pipe, Piston Block Space Switch Piston to Space Piston (2) (see plate 25)  
56KC86\* Pipe, Space Piston to Justifying Scale Pointer Piston (2) (see plate 25)  
56KC87\* Pipe, Punch Lock Cylinder to Piston Block Valve (2) (see plate 25)  
56KC88\* Pipe, Piston Block Valve to Piston, restoring (2) (see plate 25)  
56KC89\*† Pipe, Piston Block Valve to 0005\* Piston (2)  
56KC89\*† Pipe, reversing, left, Lock Switch Valve to Piston Block Valve  
56KC90\* Pipe, Restoring Piston to Bell Bracket, assembled (2) (see plate 25)  
56KC91\* Pipe, Punch Return Piston to Paper Feed Valve (2) (see plate 25)

- 56KC92\* Pipe, Paper Feed Valve to Paper Feed Piston (4) (see plate 25)  
56KC93\* Pipe, Punch Return Piston to Reversing Valve (1)  
56KC94\* Pipe, Reversing Valve to Unit Wheel Driving Cylinder, right (2) (see plate 25)  
56KC95\* Pipe, Reversing Valve to Unit Wheel Driving Cylinder, left (2) (see plate 25)  
56KC96\* Pipe, Piston Block Base Bracket Plate to Lock Switch Valve (see plate 25)  
56KC99\* Plate, for Pipes attached to Punch Lock Cylinder (2) (see plate 25)  
56KC100\* Pipe, Exhaust for Space Counter (2) (see plate 25)  
56KC102\* Plate Pipe, Lock Switch Valve to Punch Lock Cylinder, right  
56KC103\* Plate Pipe, Lock Switch Valve to Punch Lock Cylinder, left (see plate 25)  
56KC117 Bracket Plate Screw (4),  $\frac{3}{8} \times \frac{1}{4}$   
56KC120 Pipe, 0005\*, Tee to Punch Lock Cylinder Plunger, left  
56KC121 Pipe, from Tee, left (Double Exposure)  
56KC122 Pipe, 0005\*, Tee to Punch Lock Cylinder Plunger, right  
56KC123 Pipe, 0005\*, from Tee, right (Double Exposure)  
56KC124 Pipe, reversing, right, Lock Switch Valve to Piston Block Valve  
56KC125 Pipe, Tee  
X156KC Piston Block Base group: consists of 18KA1, 19KA1, 39KC2(2), 39KC3(4), a39KC1(2), b56KC1, 56KC2 and 3, b56KC4, 5 and 6, 56KC7(4), a56KC9 to 17 inclusive, a56KC18, a56KC19 to 26 inclusive, a56KC28, b56KC29, a56KC30 to 34 inclusive, a56KC35 and 36, a56KC37 to 63 inclusive, a56KC65, b56KC66, a56KC67 to 82 inclusive, a56KC83(2), b56KC84(2), b56KC85(2), 56KC86(2), 56KC87(2), 56KC88(2), a56KC89(2), 56KC90(2), 56KC91(2), 56KC92(4), a56KC93(2), a56KC94(2), a56KC95(2), a56KC96, a56KC99(2), a56KC100(2), b56KC102 and 103, 56KC117(4), 56KC120, 56KC121, 56KC122, 56KC123, 56KC124, 56KC125  
\* Can be fitted only at Workshops  
† Duplex Keyboards numbered 0179 to 0182 inclusive, 0184 to 0190 inclusive were equipped with this part  
‡ Duplex Keyboards supplied on and after June, 1950, to number 0402 inclusive were equipped with this part

**58KC****DUPLEX KEYBOARD**

58KC2 Piston Block Base Screw, top (2),  $\frac{1}{4} \times \frac{1}{2}$ , hexagon

*Additional Parts for Keyboards equipped with Key Transfer facilities*

**56KC**

**Piston Block Base, DUPLEX KEYBOARD**

*b56KC18* Pipe, from Plunger 16, -0005", right to Punch  
Lock Cylinder Plunger, right

*b56KC37* Pipe, from Plunger N, to Tee, right

*b56KC35* Pipe, from Plunger 16, -0005", left

*b56KC74* Pipe, from Plunger N, to Tee, left

*56KC128* Pipe (N), from Tee to Piston, left

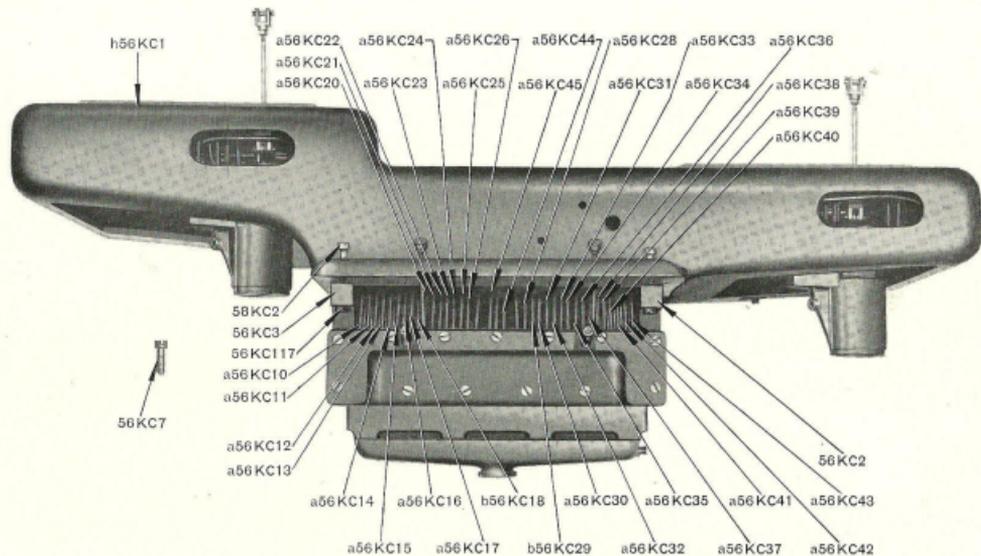
*56KC129* Pipe (N), from Tee (Double Exposure), left

*56KC130* Pipe (N), from Tee to Piston, right

*56KC131* Pipe (N), from Tee (Double Exposure), right

*X)56KC* Piston Block Base, DUPLEX KEYBOARD,  
group; consists of 18KA1, 19KA1, 39KC2(2),  
39KC3(4), a39KC11(2), h56KC1, 56KC2 and 3,  
b56KC4, 5 and 6, 56KC7(4), a56KC9 to 17

inclusive, b56KC18, a56KC19 to 26 inclusive,  
a56KC28, b56KC29, a56KC30 to 36 inclusive,  
b56KC37, a56KC38 to 54 inclusive, b56KC55  
and 56, a56KC57 to 63 inclusive, a56KC65,  
b56KC66, a56KC67 to 73 inclusive, b56KC74,  
a56KC75 to 82 inclusive, a56KC83(2),  
b56KC84(2), b56KC85(2), 56KC86(2),  
56KC87(2), 56KC88(2), e56KC89, 56KC90(2),  
56KC91(2), 56KC92(4), a56KC93(2),  
a56KC94(2) a56KC95(2), a56KC96,  
a56KC99(2), a56KC100(2), b56KC102 and 103,  
56KC117(4), 56KC124, 56KC125(2), 56KC128  
to 131 inclusive



**PLATE 26**

**52KC****DUPLEX KEYBOARD**

52KC1	Lock Switch Valve
52KC2	Body
52KC3	Body Head
52KC4	Key
52KC5	Lever
52KC6	Nut
52KC7	Spring
52KC8	Washer
X52KC	Lock Switch Valve group; consists of 52KC1 to 8 inclusive

**55KC****DUPLEX KEYBOARD**

a55KC1	Lock Switch Valve Body Screw (2)
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**59KC****DUPLEX KEYBOARD**

c59KC1	Punch Lock Cylinder (2)
c59KC2	Head (2)
c59KC3	Piston (2)
a59KC4	Plunger (2)
a59KC5	Plunger Disc (2)
a59KC7	Plug Screw (6), .190" × $\frac{1}{8}$ ", grub
a59KC8K*	Plunger Guide (2)
a59KC9†	Plunger Guide Rod (4)
a59KC10	Plunger Guide Rod Nut (4)
a59KC11	Plunger Guide Rod Spring (4)
59KC12	Head Gasket (2)
Xc59KC	Punch Lock Cylinder group (2); each consists of c59KC1, 2 and 3, a59KC4 and 5, a59KC7(3), a59KC8K, a59KC10(2), a59KC11(2), 59KC12
	*a59KC8K each consists of a59KC8, a59KC9(2)
	†Can be fitted only at Workshops

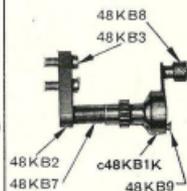
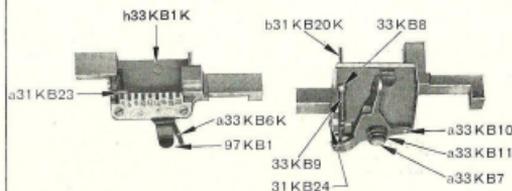
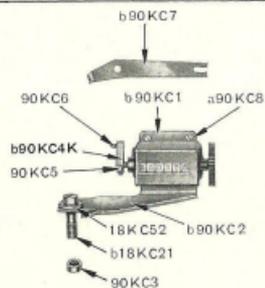
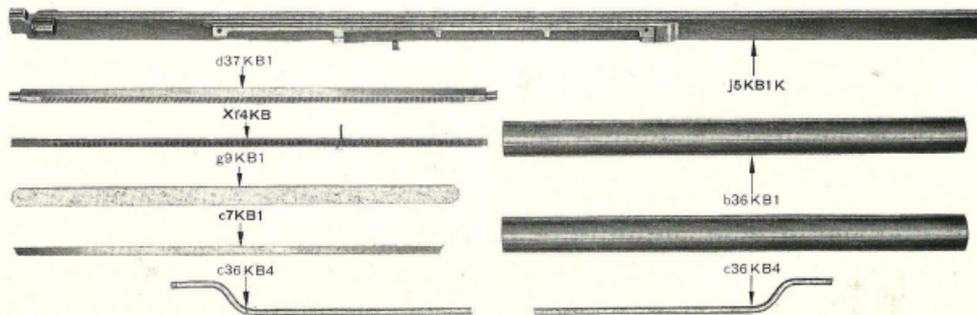
**60KC****DUPLEX KEYBOARD**

60KC1	Punch Lock Cylinder Screw (4), $\frac{1}{8}$ " × $\frac{3}{8}$ "
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**61KC****DUPLEX KEYBOARD**

61KC1	Punch Lock Cylinder Screw (4), $\frac{1}{8}$ " × $\frac{1}{2}$ "
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	<b>4KB</b>		<b>37KB</b>		<b>1KU</b>
Xf4KB	90-Em Scale Em Rack Duplex Keyboard same as above quantity	d37KB1	90-Em Scale Unit Wheel Driving Rack Duplex Keyboard double above quantity		<b>Unit-Wheel Positioner</b> Object: To facilitate the setting of the Unit Wheel in Tabular Work  For Standard Keyboards numbered prior to 28208 For Duplex Keyboards numbered prior to 0619 Unit Wheel Positioner Attachment; consists of Xb48KB  Duplex Keyboard double above quantity
	<b>5KB</b>		<b>48KB</b>		<i>b1KU</i>
j5KB1K	90-Em Scale Em Rack Slide Duplex Keyboard same as above quantity	c48KB1K* 48KB2 48KB3 <i>a48KB4</i>	<b>Unit Wheel Positioner</b> Bracket (not supplied separately, order c48KB1K) Bracket Screw (2), $\frac{3}{16} \times \frac{1}{16}$ , to Unit Wheel Standard Cap Bracket Stud (not supplied separately, order c48KB1K) Spring (not supplied separately, order c48KB1K) Crank Crank Screw (2), $1 \times \frac{1}{16}$ Unit Wheel Positioner group; consists of c48KB1K, 48KB3(2) *c48KB1K consists of c48KB1, 48KB1K, a48KB4, 48KB7 and 8, 48KB9(2) Duplex Keyboard double above quantities		<b>3KU</b>
	<b>7KB</b>				<b>90-Em Scale Attachment</b> Object: To provide for increasing the travel of the Em Scale from 65 ems to 90 ems  For Standard Keyboards numbered 22301 to 24056 inclusive 90-Em Scale Attachment; consists of a36KB2, b36KB3(2), b36KB7, 36KB23(2), 36KB24(2), 36KB25(4), 38KU  For Standard Keyboards numbered 24057 to 27315 inclusive 90-Em Scale Attachment; consists of Xf4KB, j5KB1K, a5KB2, 5KB3(2), c7KB1, g9KB1, b36KB1(2), c36KB4(2), d37KB1  <i>d3KU1</i>
c7KB1	90-Em Scale Em Rack Stop Rack Duplex Keyboard double above quantity	Xb48KB			<i>d3KU2</i>
	<b>9KB</b>				<b>NOTE:</b> These attachments cannot be fitted to Duplex Keyboards
g9KB1	90-Em Scale Em Scale Duplex Keyboard double above quantity				
	<b>31KB</b>		<b>97KB</b>		<b>10KU</b>
b31KB20K	3-Unit Minimum Unit Rack Stop, 3 Unit	97KB1	3-Unit Minimum Retaining Spring, for Operating Handle Duplex Keyboard double above quantity		<b>3-Unit Minimum Attachment</b> Object: In cases where closely spaced composition is required, to permit a minimum 3-unit space to be composed in place of the standard 4-unit minimum space  For Standard Keyboards numbered 22301 to 28207 inclusive For Duplex Keyboards numbered 0179 to 0618 inclusive (These machines are equipped with 4-unit Rack Stop e or f31KB1K)  3-Unit Minimum Attachment; consists of 31KB27 and 28, Xh33KB, Xa87KB, 97KB1 The following part on the existing machine requires to be converted: a76KB1  Duplex Keyboard double above quantity
a31KB23 31KB24	Cam Pin, in 3 Unit Step Fulcrum Screw, in Guide Duplex Keyboard double above quantities				<i>b10KU1</i>
	<b>33KB</b>		<b>18KC</b>		
b33KB1K a33KB6K	3-Unit Minimum Unit Rack Stop Guide	b18KC21 18KC32	<b>Keystroke Counter</b> Paper Tover Housing Screw, $\frac{1}{2} \times 1$ , to Piston Block Housing (right) Screw Washer Duplex Keyboard double above quantity		
a33KB7 33KB8 33KB9 a33KB10 a33KB11	Operating Handle, for 3-Unit Stop Operating Handle Fulcrum Pin Spring Post Spring Operating Handle Stop Pin Operating Handle Fulcrum Pin Spring Washer Duplex Keyboard double above quantities	b90KC1 b90KC2 90KC3  b90KC4K* a90KC5 90KC6 b90KC7 a90KC8	<b>90KC</b> <b>Keystroke Counter</b> Keystroke Counter Bracket, to Paper Tover Housing, right Bracket Distance Collar, in Paper Tover Housing, right Lever Lever Clamp Screw, $\frac{1}{2} \times \frac{1}{4}$ Lever Pin Operating Lever, to Paper Tover Tension Arm Screw (4), $\frac{1}{2} \times \frac{1}{4}$ , to Bracket *b90KC4K consists of b90KC4, 90KC5 and 6 Duplex Keyboard double above quantities		
b36KB1 c36KB4	90-Em Scale Unit Wheel Driving Cylinder (2) Ring Pipe (2) Duplex Keyboard double above quantities				<i>a33KU</i>



**4KA**  
**20" Copy Holder Attachment**  
 Copy Holder  
 Paper Guide  
 Roller, front  
 Blank Scale  
 Roller Release Bar  
 Roller Release Bar Lever Fulcrum Rod  
 Roller, rear  
 Paper Support  
 Duplex Keyboard same as above quantities

**5KB**  
 Em Rack Slide  
 Screw (2),  $\frac{3}{8} \times 1$ ", hexagon, also for Em Scale Marker Bracket  
 Duplex Keyboard same as above quantity

**96KB**  
 Em Scale Marker, Tabular Matter, Attachment  
 Em Scale Marker, Tabular Matter, 65-em Scale (9), 90-em Scale (12)  
 Stud, 65-em Scale (9), 90-em Scale (12) (not supplied separately, order a96KB1K)  
 Stud Collar, 65-em Scale (9), 90-em Scale (12) (not supplied separately, order a96KB1K)  
 Stud Spring, 65-em Scale (9), 90-em Scale (12) (not supplied separately, order a96KB1K)  
 Bar, lower, 65-em Scale  
 Bar, lower, 90-em Scale

a96KB7 Bar, lower, right, 65-em Scale  
 96KB8 Bar Screw,  $\frac{3}{8} \times \frac{3}{8}$ ", 65-em Scale (2), 90-em Scale (3)  
 96KB9 Bar, upper, 65-em Scale (not supplied separately, order Xd96KB)  
 a96KB9 Bar, upper, 90-em Scale (not supplied separately, order Xc96KB)  
 96KB10 Bar Rivet, 65-em Scale (2), 90-em Scale (3)  
 96KB11 Bracket, left, 65-em Scale (not supplied separately, order Xb96KB)  
 a96KB11 Bracket, left, 90-em Scale (not supplied separately, order Xc96KB)  
 b96KB11 Bracket, left, for right Scale, 65-em Scale (not supplied separately, order Xd96KB)  
 96KB12 Bracket, right, (not supplied separately, order Xb96KB)  
 a96KB12 Bracket, right, for right Scale, 65-em Scale (not supplied separately, order Xd96KB)  
 96KB13 End Block, 90-em Scale (not supplied separately, order Xc96KB)  
 Xb96KB Em Scale Marker, Tabular Matter, 65-em Scale, group; consists of a96KB1K(9), 96KB7, 96KB8(2), 96KB9, 96KB10(2), 96KB11 and 12  
 Xc96KB Em Scale Marker, Tabular Matter, 90-em Scale, group; consists of a96KB1K(12), a96KB7, 96KB8(3), a96KB9, 96KB10(3), a96KB11, 96KB12 and 13  
 Xd96KB Em Scale Marker, Tabular Matter, 65-em Scale, right, group; consists of a96KB1K(9), b96KB7, 96KB8(2), 96KB9, 96KB10(2), b96KB11, a96KB12  
 \*a96KB1K each consists of a96KB1 to 4 inclusive  
 Duplex Keyboard same as above quantities

J2KU1

## 2KU

### 20" Copy Holder Attachment

Object: To provide an extra wide Copy Holder  
 For Standard Keyboards numbered 22301 and over  
 For Duplex Keyboards numbered 0179 and over  
 20" Copy Holder Attachment; consists of a4KA1, a4KA2, f4KA3 ass'd., m4KA4 ass'd., g4KA5(2), d4KA7(2), e4KA13, b4KA14(2), a4KA15, b4KA16(4), e4KA18, 4KA20, 4KA21(4), 4KA22 and 23, 4KA24(2), 4KA26 ass'd., 4KA27 and 28, 4KA31(2), 4KA32(2), 4KA33, 4KA34(2)

Duplex Keyboard same as above quantity

## 35KU

### Em Scale Marker (Tabular Matter) Attachment

Object: To provide the Keyboard with an Em Scale Marker for Tabular Matter

For all Standard Keyboards

For Duplex Keyboards numbered prior to 0279

equipped with 65-em Scale

Em Scale Marker (Tabular Matter) Attachment;

consists of b5KB4(2), Xb96KB

Duplex Keyboard double above quantity

For Duplex Keyboards numbered 0280 and over

equipped with 65-em Scale

Em Scale Marker (Tabular Matter) Attachment;

consists of b5KB4(4), Xb96KB, Xd96KB

For Standard Keyboards equipped with 90-em Scale

Em Scale Marker (Tabular Matter) Attachment;

consists of b5KB4(2), Xc96KB

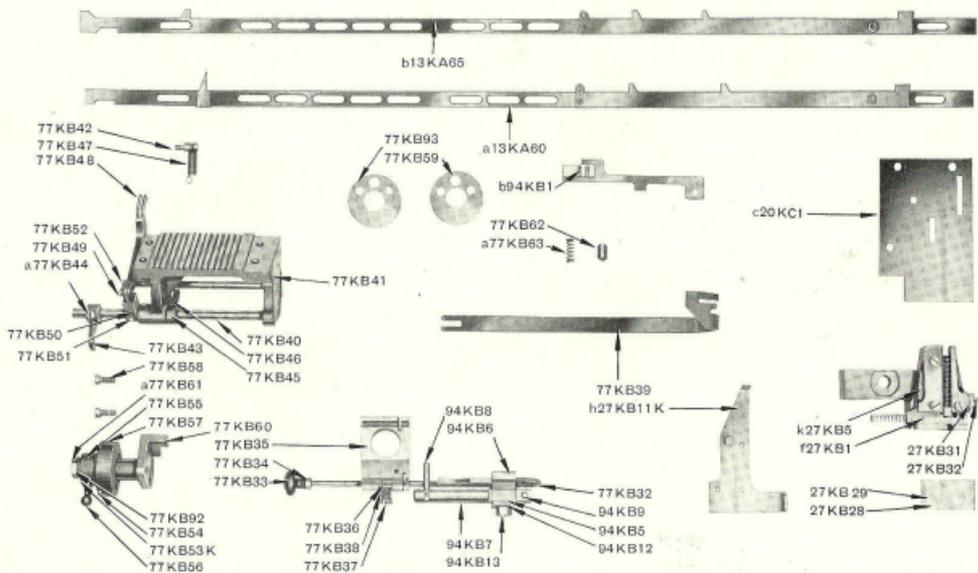
NOTE: These attachments cannot be fitted to Standard Keyboards equipped with Tabulating

Attachment

a35KU

b35KU

a35KU1



**4KB****Tabulating Attachment**

c4KB1 Em Rack (not supplied separately, order Xc4KB)  
 4KB5 Em Rack (not supplied separately, order Xc4KB)  
 4KB6 Extension Rivet (4)

Duplex Keyboard same as above quantity

**5KB****Tabulating Attachment**

c5KB1 Em Rack Slide (not supplied separately, order Xc5KB)

Duplex Keyboard same as above quantity

**6KB****Tabulating Attachment**

b6KB2 Em Rack Stop, right handle  
 a6KB3K Stop Pointer

Duplex Keyboard same as above quantities

**50KB****Tabulating Attachment**

50KB1 Pinion Bracket  
 a50KB2 Cover  
 50KB5 Screw (2),  $\frac{3}{8}'' \times \frac{1}{2}''$   
 50KB6 Screw (2),  $\frac{3}{8}'' \times \frac{3}{4}''$   
 50KB7 Fixing Screw (2),  $\frac{3}{8}'' \times \frac{11}{16}''$ , grub  
 50KB8 Spring Pin  
 50KB9 Locating Screw,  $\frac{3}{8}'' \times \frac{1}{2}''$ , grub  
 Xa50KB Pinion Bracket group; consists of 50KB1, a50KB2,  
 50KB5(2), 50KB6(2), 50KB7(2), 50KB8 and 9

\*Can be fitted only at Workshops

Duplex Keyboard same as above quantities

**51KB****Tabulating Attachment**

a51KB1\* Actuating Valve  
 51KB2 Spring  
 51KB4 Yoke Lock Nut  
 51KB5 Stop Pin  
 51KB6 Operating Plate Adjusting Screw Washer†  
 51KB7 Operating Plate  
 51KB8 Operating Plate Adjusting Screw  
 51KB9 Operating Plate Adjusting Screw Nut  
 51KB10 Yoke, Bell Trip  
 51KB11 Yoke, Spring Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 Xa51KB Actuating Valve group; consists of a51KB1 and 2,  
 51KB4 to 11 inclusive

\*Can be fitted only at Workshops

Duplex Keyboard double above quantities

**52KB****Tabulating Attachment**

52KB1 Actuating Pawl  
 52KB2 Crosshead  
 52KB3K\* Crosshead Guide  
 52KB4 Crosshead Guide Screw (2),  $\frac{3}{8}'' \times \frac{3}{4}''$   
 52KB5 Crosshead Guide Screw (2),  $\frac{3}{8}'' \times \frac{1}{2}''$   
 52KB6 Crosshead Guide Spring Pin  
 52KB7 Spring  
 52KB8 Trip Screw,  $1'' \times \frac{11}{16}''$ , hexagon  
 52KB9 Trip Screw Lock Nut  
 52KB10 Fulcrum Pin

52KB11 Piston  
 52KB12 Piston Spring  
 52KB13 Piston Nut  
 52KB14 Fulcrum Pin Split Pin,  $\frac{3}{8}'' \times \frac{3}{4}''$   
 X52KB Actuating Pawl group; consists of 52KB1 and 2,  
 52KB3K, 52KB4(2), 52KB5(2), 52KB7 to 14 in-  
 clusive

\*52KB3K consists of 52KB3, 52KB6

Duplex Keyboard same as above quantities

**53KB****Tabulating Attachment**

a53KB1K\* Shaft  
 b53KB1K† Shaft  
 53KB28 Bracket  
 53KB31 Collar  
 53KB4 Collar Taper Pin,  $\frac{3}{8}'' \times \frac{1}{4}''$   
 a53KB5 Stop Pin  
 53KB61 Position Ratchet  
 53KB7 Position Ratchet Taper Pin,  $\frac{3}{8}'' \times \frac{3}{4}''$   
 53KB8 Position Pin  
 53KB9 Zero Pin  
 53KB10 Stop  
 53KB119 Bracket Screw (2),  $\frac{3}{8}'' \times \frac{3}{4}''$   
 53KB12 Restoring Spring  
 53KB13 Restoring Spring Cover  
 53KB14 Restoring Spring Cover Screw,  $\frac{3}{8}'' \times \frac{3}{8}''$ , counter-  
 sunk

Xa53KB Shaft group; consists of a53KB1K, a53KB5,  
 53KB8 and 9, 53KB12, 13 and 14

53KB group; consists of b53KB1K, a53KB5,  
 53KB8 and 9, 53KB12, 13 and 14

\*a53KB1K consists of a53KB1, 53KB3 and 4,  
 53KB6 and 7, 53KB10

†b53KB1K consists of b53KB1, 53KB3 and 4,  
 53KB6 and 7, 53KB10

‡Can be fitted only at Workshops

§These parts are included in the Em Rack Slide  
 group Xc5KB and Xc5KB

Duplex Keyboard same as above quantities

**54KB****Tabulating Attachment**

54KB1K\* Stop Pawl  
 54KB2† Bush  
 54KB3† Fulcrum Pin  
 54KB4 Spring  
 54KB5 Spring Pin  
 54KB6 Fulcrum Pin Split Pin,  $\frac{3}{8}'' \times \frac{3}{4}''$   
 X54KB Stop Pawl group; consists of 54KB1K, 54KB3 and  
 4, 54KB6

\*54KB1K consists of 54KB1 and 2, 54KB5

†Can be fitted only at Workshops

Duplex Keyboard same as above quantities

**55KB****Tabulating Attachment**

55KB1K\* Trip Pawl  
 55KB2 Bush  
 55KB3 Fulcrum Pin Split Pin,  $\frac{3}{8}'' \times \frac{3}{4}''$   
 55KB4 Fulcrum Pin  
 55KB5 Spring  
 55KB6 Spring Pin  
 X55KB Trip Pawl group; consists of 55KB1K, 55KB3, 4  
 and 5

\*55KB1K consists of 55KB1 and 2, 55KB6

Duplex Keyboard same as above quantities

**56KB****Tabulating Attachment**

56KB1K\* Detent Pawl  
 56KB2 Spring  
 56KB3† Spring Post  
 56KB4 Fulcrum Pin  
 56KB5 Fulcrum Pin Split Pin,  $\frac{3}{8}'' \times \frac{3}{4}''$   
 X56KB Detent Pawl group; consists of 56KB1K, 56KB2,  
 56KB4 and 5

\*56KB1K consists of 56KB1, 56KB3

†Not supplied separately, order 56KB1K

Duplex Keyboard same as above quantities

**57KB****Tabulating Attachment**

57KB1K\* Release Pawl  
 57KB2K† Release Pawl, hand  
 Link  
 57KB4 Link Pin (2)  
 57KB5 Fulcrum Pin, for 57KB1K  
 57KB6 Fulcrum Pin, for 57KB2K  
 57KB7 Link Pin Split Pin (2),  $\frac{3}{8}'' \times \frac{3}{4}''$   
 57KB8 Fulcrum Pin Split Pin,  $\frac{3}{8}'' \times \frac{3}{4}''$   
 X57KB Release Pawl group; consists of 57KB1K, 57KB2K,  
 57KB5, 57KB6 and 6, 57KB7(2), 57KB8

\*57KB1K consists of 57KB1, 57KB4

†57KB2K consists of 57KB2, 57KB4

Duplex Keyboard same as above quantities

**58KB****Tabulating Attachment**

58KB1 (Refer after 58KB2K)  
 58KB2K\* Air Control Valve  
 58KB1 Body  
 58KB3 Nut  
 58KB4 Washer  
 58KB5 Spring  
 58KB6 Handle  
 58KB7 Handle Screw,  $\frac{1}{2}'' \times \frac{1}{2}''$   
 58KB8 Pipe, to Piston Bracket Cover  
 58KB9 Pipe, to Piston Block  
 a58KB10 Wheel Unit  
 58KB11 Pipe, to Unit Wheel Driving Cylinder Ring  
 58KB12 Pipe Union, Male End (3)  
 58KB13 Pipe Lock Nut  
 Xa58KB Air Control Valve group; consists of 58KB2K,  
 58KB8 and 9, a58KB10, 58KB11(3), 58KB12(3),  
 58KB13

Xb58KB Air Control Valve group; consists of 58KB2K,  
 58KB8 and 9, b58KB10, 58KB11(3), 58KB12(3),  
 58KB13

\*58KB2K consists of 58KB1 to 7 inclusive

Duplex Keyboard same as above quantities

**59KB****Tabulating Attachment**

Stop Disc  
 a59KB1 Key  
 a59KB2 Rod, 2" long (6)  
 59KB3 Rod, 3" long (6)  
 59KB5 Rod, 6" long (6)  
 59KB9 Rod, 10" long (6)  
 59KB10 Rod Clamp (12)  
 a59KB11 Rod Clamp Nut (12)  
 b59KB14 Rod Clamp Nut Retaining Spring  
 59KB18 Rod Clamp Nut Retaining Spring Pin (2)  
 59KB19

*Xa59KB* Stop Disc group: consists of a59KB1 and 2, 59KB3(6), 59KB5(6), 59KB9(6), 59KB10(6), a59KB11(12), b59KB14(12), 59KB18, 59KB19(2)  
Duplex Keyboard same as above quantities

**2KT**

2KT4 Tabulating Attachment  
Screwdriver

**14KU**

Tabulating Attachment  
Object: To facilitate the setting of tabular matter

*a14KU*

For Standard Keyboards numbered 22301 to 24056 inclusive  
For Duplex Keyboards numbered 0179 to 0265 inclusive

Tabulating Attachment; consists of Xc4KB, Xc5KB, Xb6KB, a36KB3, 36KB23 and 24, Xa50KB, Xb51KB, X52KB, Xa53KB, X54KB, X55KB, X56KB, X57KB, Xa58KB, Xa59KB, 1KT8, 2KT4

*a14KU1*

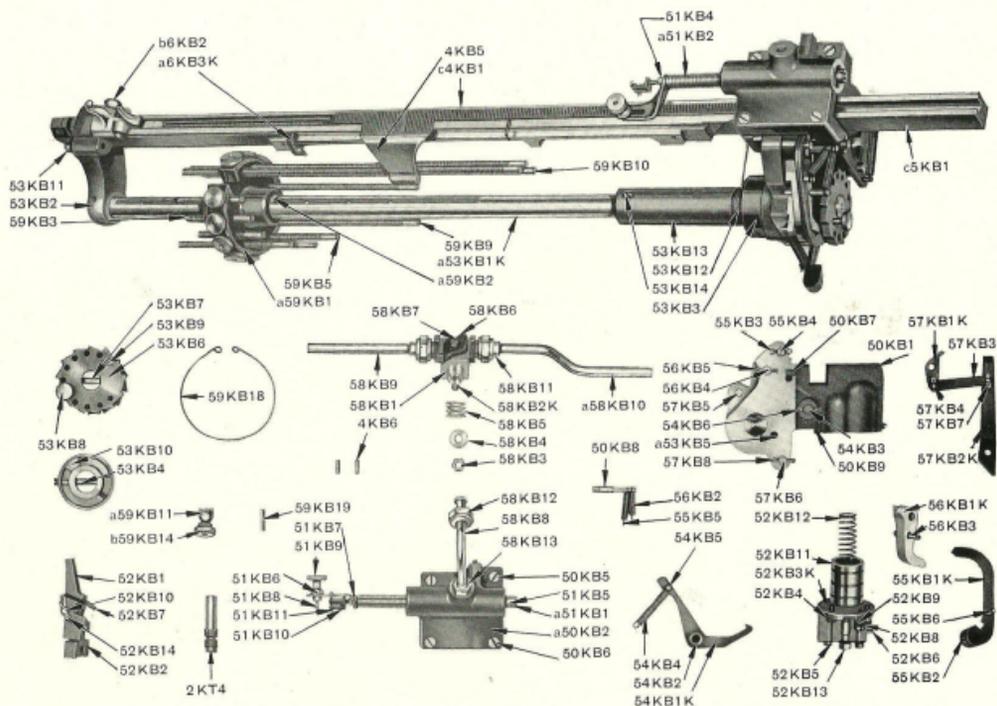
For Standard Keyboards numbered 24057 and over  
Duplex Keyboards numbered 0266 and over  
Tabulating Attachment; consists of a14KU without a36KB3, 36KB23 and 24

*14KU2*

For Standard Keyboards numbered 24057 and over if equipped with 90-em Scale  
Tabulating Attachment; consists of Xc4KB, Xc5KB, Xb6KB, Xa50KB, Xb51KB, X52KB, Xb53KB, X54KB, X55KB, X56KB, X57KB, Xb58KB, Xa59KB, 1KT8, 2KT4

*14KU3*

For Standard Keyboards numbered 24057 and over  
Tabulating Attachment incorporating 90-em Scale; consists of c7KB1, g9KB1, b36KB1(2), c36KB4, d37KB1, 14KU2  
Duplex Keyboard same as above quantities



**PLATE 31**

**16KB**  
 Justified Letter-Spacing Attachment  
 Justifying Scale Pointer Lifting Pawl  
 a16KB1K Duplex Keyboard double above quantity

**17KB**  
 Justified Letter-Spacing Attachment  
 Justifying Scale Pointer Operating Lever  
 a17KB1K  
 17KB11 Eccentric Bush  
 17KB12 Fulcrum Pin  
 17KB13 Fulcrum Pin Nut  
 a17KB14 Link (2)  
 17KB15 Pin  
 17KB16 Pin Split Pin,  $\frac{1}{8}'' \times \frac{3}{4}''$   
 17KB17 Pin Washer  
 17KB18 Link Spring  
 Duplex Keyboard double above quantities

**20KC**  
 Justified Letter-Spacing Attachment  
 Paper Tower Cover, front, large  
 b20KC1K Duplex Keyboard double above quantity

**33KC**  
 Justified Letter-Spacing Attachment  
 Punch Bar, middle, 'O'  
 a33KC8 Duplex Keyboard double above quantity

**34KC**  
 Justified Letter-Spacing Attachment  
 Punch Bar Lever, left-hand, bent  
 b34KC2K

g34KC7K Bracket  
 a34KC23 Connecting Pin  
 34KC24 Connecting Pin Operating Sleeve  
 34KC25 Return Spring  
 34KC26 Return Spring Hook Plate  
 34KC27 Return Spring Post (not supplied separately,  
 order b34KC2K)  
 34KC36 Oiler, "Press Ball",  $\frac{1}{2}''$  in cover  
 Duplex Keyboard double above quantities

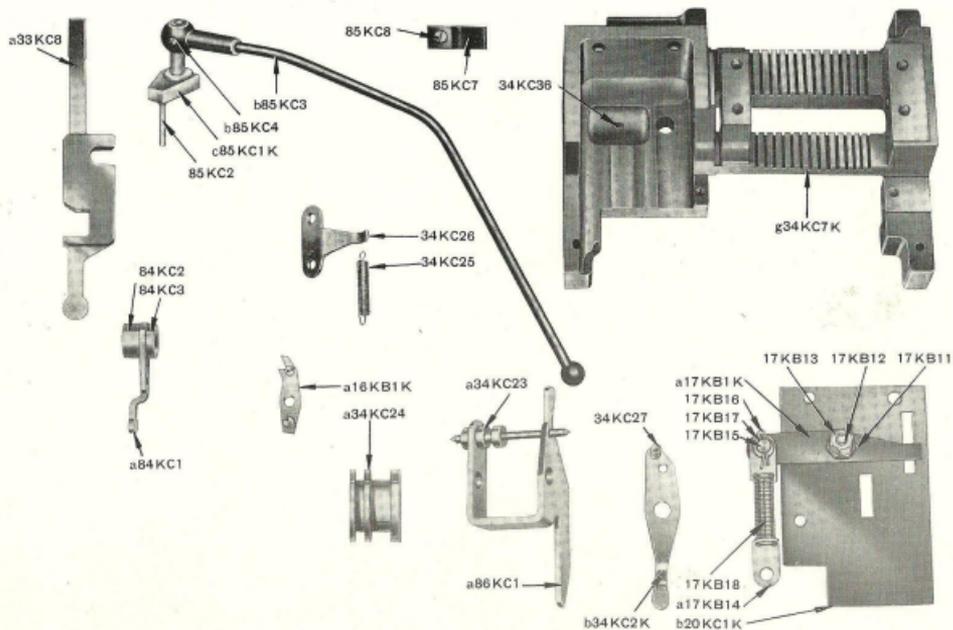
**84KC**  
 Justified Letter-Spacing Attachment  
 Actuating Lever  
 a84KC1 Bush  
 84KC2\* Bush Collar  
 84KC3 Actuating Lever group; consists of a84KC1,  
 84KC2 and 3  
 \*Can be fitted only at Workshops  
 Duplex Keyboard double above quantities

**85KC**  
 Justified Letter-Spacing Attachment  
 Operating Lever  
 c85KC1K\* Crank Pin  
 85KC2 Handle (not supplied separately, order b85KC1K)  
 b85KC3 Screw,  $\frac{3}{8}'' \times \frac{1}{2}''$   
 b85KC4 Lock Plunger, in Punch Bar Lever Bracket  
 85KC5† Lock Plunger Spring  
 a85KC6† Leaf Spring  
 85KC7 Leaf Spring Screw,  $1'' \times \frac{11}{16}''$ , countersunk  
 85KC8 \*85KC1K consists of c85KC1, 85KC2  
 †Attachments supplied on and after September,  
 1945, and prior to 24th March, 1953, were  
 equipped with these parts  
 Duplex Keyboard double above quantities

**86KC**  
 Justified Letter-Spacing Attachment  
 Punch Bar Rocking Lever  
 a86KC1 Duplex Keyboard double above quantity

**15KU**  
 Justified Letter-Spacing Attachment  
 Object: To allow "Characters" to be justified as  
 well as "Spaces"  
 To facilitate the Composition of Justified  
 Letter Spacing  
 For Standard Keyboards numbered 22301 to 24310  
 inclusive  
 For Duplex Keyboards numbered 0179 to 0276 in-  
 clusive  
 Justified Letter-Spacing Attachment; consists of  
 a16KB1K, f31KB1K, a34KC1(14), b34KC3,  
 34KC32(15), 34KC33, 34KC34(2), c15KU4  
 Duplex Keyboard double above quantity  
 For Standard Keyboards numbered 24311 to 26830  
 inclusive  
 For Duplex Keyboards numbered 0277 to 0493 in-  
 clusive  
 Justified Letter-Spacing Attachment; consists of  
 a16KB1K, f31KB1K, c15KU4

Duplex Keyboard double above quantity  
 For Standard Keyboards numbered 26831 and over  
 For Duplex Keyboards numbered 0494 and over  
 Justified Letter-Spacing Attachment; consists of  
 Xb17KB, b20KC1K, a33KC8, b34KC2K,  
 g34KC7K, 34KC13, a34KC23 and 24, c85KC1K,  
 85KC3 and 4, 85KC7 and 8, a86KC1  
 Duplex Keyboard double above quantity



**PLATE 32**

**9KB**

Tonic-Sol-Fa (20-Unit) Attachment  
Em Scale

u9KB1

Duplex Keyboard double above quantity

**86KB**

Tonic-Sol-Fa (20-Unit) Attachment

Reading Device, 20-Unit

86KB1

86KB2

86KB3

86KB4

86KB5

86KB6

86KB7

86KB8

X86AB

Bracket Dowel Pin  
Bracket Screw,  $\frac{1}{8} \times \frac{1}{8}$ "  
Pinion  
Pinion Stud  
Pinion Stud Nut  
Vernier  
Vernier Screw (2),  $\frac{1}{8} \times \frac{1}{8}$ "  
Reading Device, (20-Unit), group; consists of  
86KB1 to 7 inclusive, 86KB8(2)

Duplex Keyboard double above quantities

**91KC**

Two-Colour Attachment

91KC1K\*

91KC2

91KC3

91KC4K†

91KC5

91KC6

91KC7

91KC8

91KC9

91KC10

X91KC

Indicator  
Arm (not supplied separately, order 91KC1K)  
Arm Rivet (2)  
Bracket  
Bracket Spring Post  
Fulcrum Screw  
Fulcrum Screw Nut  
Fulcrum Screw Washer  
Spring  
Spring Post  
Indicator group; consists of 91KC1K, 91KC4K,  
91KC5 to 9 inclusive  
\*91KC1K consists of 91KC1 and 2, 91KC3(2),  
91KC10  
†91KC4K consists of 91KC4 and 5

Duplex Keyboard double above quantities

**92KC**

Two-Colour Attachment

Operating Rod

92KC1

92KC2

92KC3

92KC4

92KC5

92KC6

92KC7

92KC8

92KC9

92KC10†

92KC10‡

92KC11

92KC12

92KC13

\* Operating Rod, assembled  
Housing  
Housing Distancing Collar (2)  
Housing Retaining Pin, for Operating Rod  
Housing Screw,  $\frac{1}{4} \times 1\frac{1}{2}$ ", to Paper Tower Housing, left  
Housing Screw,  $\frac{1}{4} \times 1\frac{1}{2}$ ", to Paper Tower Housing, left  
Knob  
Spring  
Spring Screw (2),  $\frac{1}{4} \times \frac{1}{8}$ ", to Housing  
Stop Collar, front  
Stop Collar, front  
Stop Collar Screw,  $\frac{1}{4} \times \frac{1}{8}$ ", grub  
92KC11‡: Stop Collar Screw,  $\frac{1}{4} \times \frac{1}{8}$ ", grub  
Stop Collar, rear  
Stop Collar Screw,  $\frac{1}{4} \times \frac{1}{8}$ "  
\*92KC1 assd. consists of 92KC1 and 2, 92KC4,  
92KC7 and 8, 92KC9(2), 92KC10 and 11,  
92KC12 and 13

† Attachments supplied on and after June, 1953, and prior to 16th January, 1958, were equipped with these parts

Duplex Keyboard double above quantities

**93KC**

Two-Colour Attachment

Punch Bar Lifting Arm

93KC1\*\*

93KC2

93KC3

93KC6

93KC7

b93KC8K†

93KC9

93KC10

93KC11

93KC12K

93KC13

93KC14

93KC15

93KC16

X93KC1

† Punch Bar Lifting Arm, assembled  
Adjusting Screw, eccentric  
Adjusting Screw Nut  
Adjusting Taper Pin  
Shaft  
Shaft Bracket  
Shaft Bracket Pin  
Shaft Bracket Pin  
Shaft Bracket  
Shaft Bracket Screw,  $\frac{1}{4} \times \frac{1}{8}$ "  
Shaft Lever  
Shaft Lever Clamp Screw,  $\frac{1}{4} \times \frac{1}{4}$ "  
Shaft Lever Stud  
Shaft Bracket Bush  
Shaft Collar Screw,  $\frac{1}{8} \times \frac{1}{4}$ ", hexagon (2)  
Punch Bar Lifting Arm group; consists of 93KC1K,  
93KC2 and 3, 93KC6 and 7, 93KC8, 93KC9, 10  
and 11, 93KC12K  
\*93KC1K consists of 93KC1, 93KC4 and 5  
†b93KC1 assd. consists of b93KC1, 93KC2 and 3,  
93KC6 and 7, b93KC8K, 93KC10 and 11,  
93KC12K  
†b93KC8K consists of b93KC8, 93KC9, 93KC15  
93KC12K consists of 93KC12, 13 and 14  
\*Can be fitted only to Workshops  
† Attachments supplied on and after June, 1953, and prior to June, 1965, were equipped with these parts

**17KU**

Tonic-Sol-Fa (20-Unit) Attachment

Object: To enable the Keyboard to be used for composing Tonic-Sol-Fa Matter

17KU

For Standard and Duplex Keyboards  
Tonic-Sol-Fa (20-Unit) Attachment; consists of  
b9KB1, X86KB

Duplex Keyboard double above quantity

For Standard Keyboard equipped with 90-arm Scale  
Tonic-Sol-Fa (20-Unit) Attachment; consists of  
u9KB1, X86KB

**40KU**

Two-Colour Attachment

Object: To facilitate the composition of Two-Colour Work

40KU1

For Standard Keyboard  
Two-Colour Attachment; consists of a13KA60,  
b13KA65, a29KC9, X91KC(2), 92KC1 assd.,  
92KC3(2), 92KC5 and 6, Xb93KC

40KU2

For Duplex Keyboard

Two-Colour Attachment; consists of a13KA60,  
b13KA65, a29KC9, X91KC(2), 92KC1 assd. (2),  
92KC3(4), 92KC5(2), 92KC6(2), Xb93KC(2)

40KU3

For Standard and Duplex Keyboards equipped with Unit Adding Attachment

Two-Colour Attachment; consists of 40KU1 without a13KA60, b13KA65  
Duplex Keyboard double above quantity

**44KU**

Continuous Delete Attachment

Object: To facilitate setting Mathematical Composition

44KU1

For Standard Keyboards equipped with Unit-Adding Attachment (for Metal Use Only)  
Continuous Delete 0005\* Attachment; consists of a29KC9, X91KC, 92KC1 assd., 92KC3(2), 92KC5 and 6, Xb93KC

44KU2

For Standard Keyboards (Arithmetical Justification Filmmsetting)  
Continuous Delete GH Attachment; consists of a29KC9, X91KC, 92KC1 assd., 92KC3(2), 92KC5 and 6, Xc93KC

44KU3

For Standard Keyboards numbered 28670 and over  
For Duplex Keyboards numbered 0639 and over (Machines incorporating Continuous Delete facilities and for Proportional Justification Filmmsetting)  
Continuous Delete GH, and Paper Tower Tension Arm Lock Attachment; consists of a29KC9, X91KC, 92KC1 assd., 92KC3(2), 92KC5 and 6, Xc93KC

Duplex Keyboard double above quantities

For Standard Keyboards numbered 22301 to 28669 inclusive

For Duplex Keyboards numbered 0179 to 0638 inclusive (Machines NOT incorporating Continuous Delete facilities and for Proportional Justification Filmmsetting)

44KU4

Continuous Delete GH, and Paper Tower Tension Arm Lock Attachment; consists of a29KC9, 37KC7, X91KC, 92KC1 assd., 92KC3(2), 92KC5 and 6, Xc93KC, 102KC1

Note: The machine must be equipped with Justifying Scale Pointer Detent Pawl b15KB1

Duplex Keyboard double above quantities

**46KU**

Character Delete Attachment

Object: To enable the Character Deletion facility incorporated on Filmmsetter to be used on the Duplex Keyboard when both towers are being used simultaneously

46KU1

For Duplex Keyboards  
Character Delete 0005\* Attachment; consists of a13KA60, b13KA65, a29KC9(2), X91KC(2), 92KC1 assd. (2), 92KC3(4), 92KC5(2), 92KC6(2), Xb93KC(2)

For Duplex Keyboards equipped with Paper Perforating Attachment supplied prior to June, 1965

Xb3KA

### 3KA

#### Note-Pad Holder Attachment

Copy Bracket, group

Duplex Keyboard same as above quantity

### 23KA

#### Copy Holder (for book) Attachment

Copy Holder, for book (not supplied separately, order Xc23KA)

Finger (2)

Bracket

Bracket Clamp Thumb Screw\*

Bracket Rivet (6)

Finger Fulcrum Pin (2)

Bracket Clamp, lower

Bracket Clamp, upper

Finger Support (2)

Finger Support Rivet (4)

Centre Post

Centre Post Disc, lower

Centre Post Disc, upper

Centre Post Knob

Centre Post Knob Lock Nut

Centre Post Nut

Centre Post Pin (2), for Discs

Centre Post Spring

Centre Post Support

Centre Post Washer

Reader

Reader Screw,  $\frac{1}{8}$ "  $\times$   $\frac{1}{2}$ "

23KA26

23KA27\*

23KA28

23KA29\*

23KA30

23KA31

23KA32

23KA33

Xc23KA

Reader Slide

Reader Slide Rod

Reader Slide Spring

Shelf

Reader Slide Sleeve

Shelf Rivet (5)

Centre Post Support Rivet (4)

Finger Spring Washer (2)

Copy Holder, for book, group; consists of c23KA1,

a23KA5(2), b23KA6, a23KA7 a23KA8(6),

a23KA9(2), 23KA10 and 11, 23KA12(2),

23KA13(4), 23KA14 to 19 inclusive, 23KA20(2),

23KA21 to 30 inclusive, 23KA31(5), 23KA32(4),

23KA33(2). (Order by Attachment symbol

b18KU1)

\*Can be fitted only at Workshops

Duplex Keyboard same as above quantities

### 48KA

#### Note-Pad Holder Attachment

Note-Pad Holder

48KA2K assd.\* Shelf, assembled

48KA2K1 Shelf

48KA3

Shelf Bracket (not supplied separately, order

48KA2K)

48KA4 Shelf Bracket Clamp, bottom

48KA5 Shelf Bracket Clamp, top

48KA6 Shelf Bracket Clamp Thumb Screw

48KA7 Shelf Bracket Rivet (6)

48KA8 Shelf Spring Clip

48KA9 Shelf Bracket Spring Clip Rivet (2)

\*48KA2K assd. consists of 48KA2K, 48KA4, 5 and 6

†48KA2K consists of 48KA2 and 3, 48KA7(6), 48KA8, 48KA9(2)

Duplex Keyboard same as above quantities

### 18KU

#### Copy Holder (Book) Attachment

Object: To provide a holder when using a book as copy

For Standard Keyboards numbered 22301 and over  
For Duplex Keyboards numbered 0179 and over  
Copy Holder (Book) Attachment; consists of Xc23KA

Duplex Keyboard same as above quantity

b18KU1

### 36KU

#### Note-Pad Holder Attachment

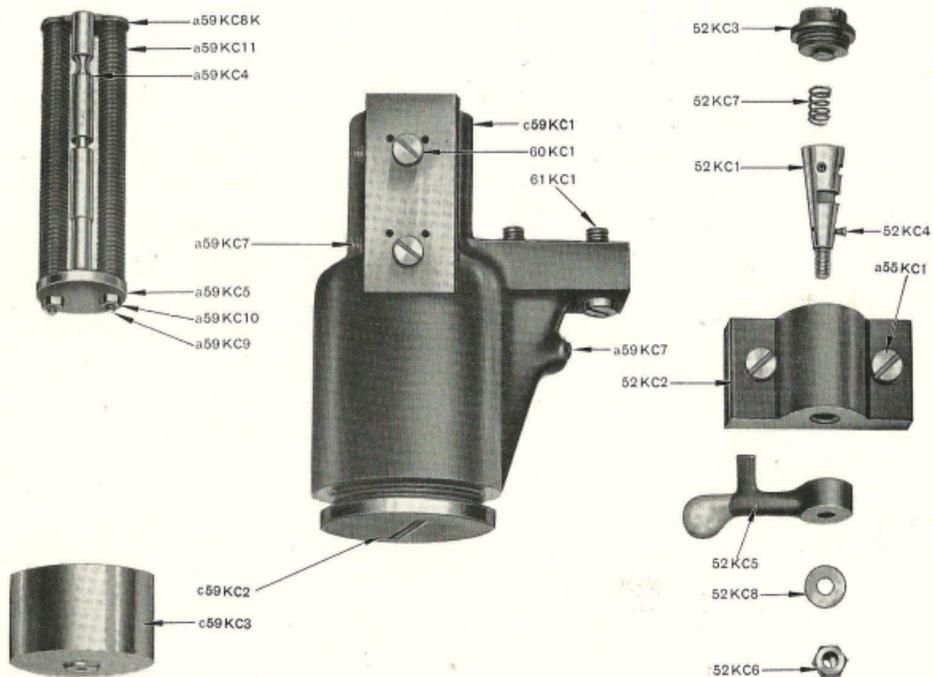
Object: To provide a holder for Operators' notes

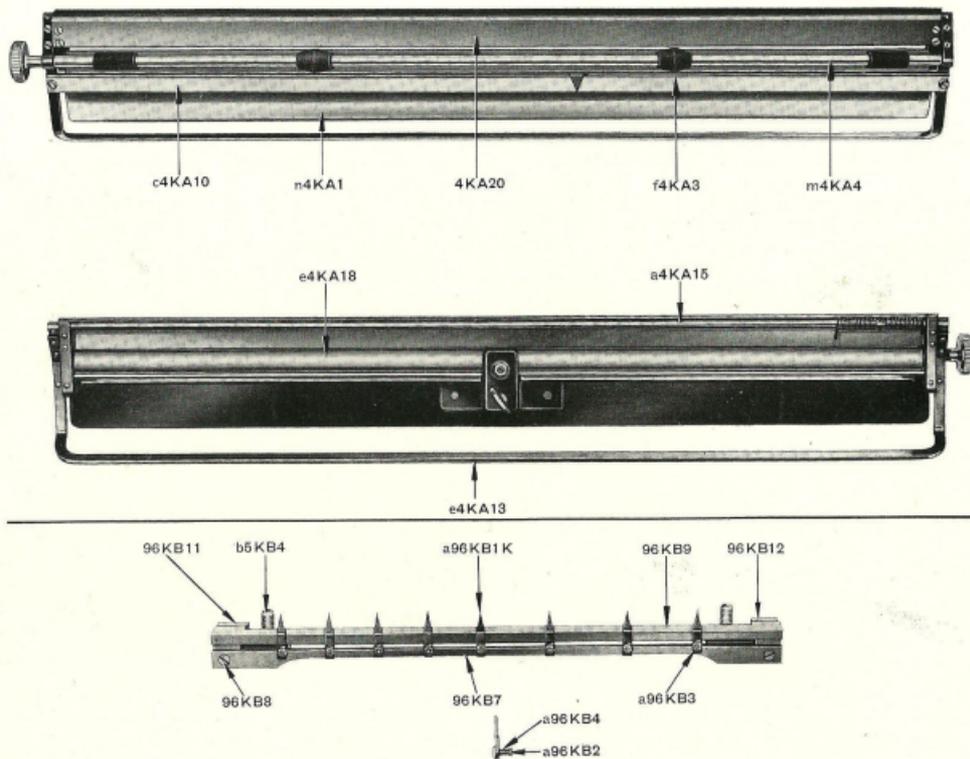
For Standard and Duplex Keyboards  
Note-Pad Holder Attachment; consists of Xb3KA, 48KA1, 48KA2K assd.

Duplex Keyboard same as above quantity

36KU1







**PLATE 29**

**13KA**  
**Unit Adding Attachment**  
 a13KA60 Valve Bar, 17NK, 0075"  
 b13KA65 Valve Bar, NJ, 0005"  
 Duplex Keyboard same as above quantities

**27KB**  
**Unit Adding Attachment**  
 f27KB1 Unit Rack Abutment  
 k27KB5 Bracket  
 h27KB11K Bracket Cover  
 27KB28 Guide, lower, for Unit Distance Piece  
 27KB29 Guide Screw (2),  $\frac{1}{8} \times \frac{1}{4}$ "  
 27KB31 Guide, upper, for Unit Distance Piece  
 27KB32 Guide Screw,  $\frac{1}{8} \times \frac{1}{4}$ "  
 Duplex Keyboard double above quantities

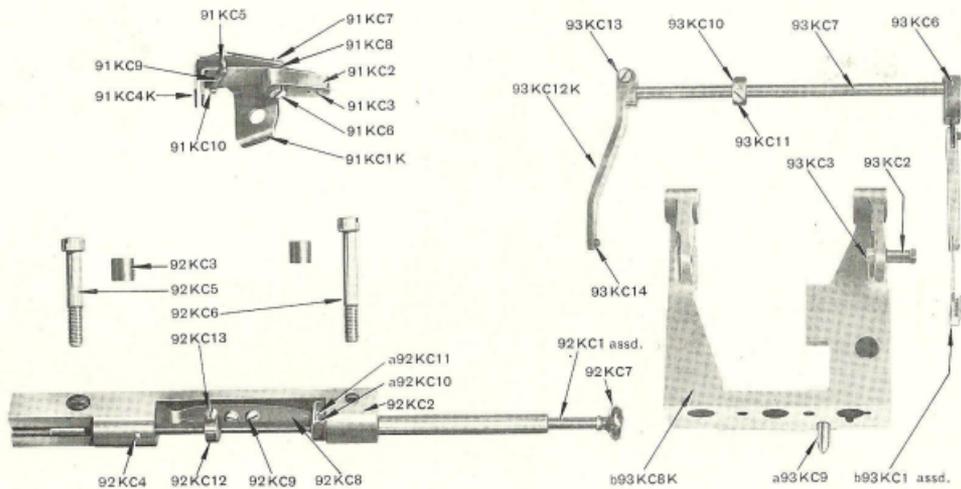
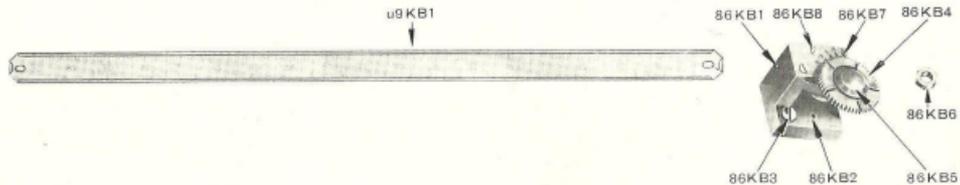
**77KB**  
**Unit Adding Attachment**  
 77KB32 Operating Rod  
 77KB32 ass'd. Operating Rod, assembled  
 77KB33 Knob  
 77KB34 Knob Lock Nut  
 77KB35 Guide Block  
 77KB36 Friction Plate  
 77KB37 Friction Plate Screw  
 77KB38 Friction Plate Spring  
 77KB39 Connecting Link  
 77KB40 Rock Shaft  
 77KB40 ass'd. Rock Shaft, assembled  
 77KB41 Bracket (Punch Bar Liner Separator)  
 77KB42 Bracket Spring Post  
 77KB43 Operating Lever  
 a77KB44 Operating Lever Screw,  $1 \times \frac{1}{8}$ "  
 77KB45 Collar  
 77KB46 Collar Screw  
 77KB47 Spring  
 77KB48 Punch Bar Lifting Arm  
 77KB48 ass'd. Punch Bar Lifting Arm, assembled  
 77KB49 Filament Pin  
 77KB50 Lever

77KB51 Lever Pin  
 77KB52 Guide Pin  
 77KB53K Unit Dial  
 77KB53 ass'd. Unit Dial, assembled  
 77KB54 Stop Pin  
 77KB55 Fixing Screw,  $\frac{1}{2} \times \frac{1}{8}$ ", grub  
 77KB56 Handle  
 77KB57 Housing  
 77KB58 Housing Screw (2),  $\frac{1}{2} \times \frac{1}{4}$ "  
 77KB59 Housing Shim .005" thick (2)  
 77KB93 Housing Shim, .010" thick (9)  
 77KB60 Unit Stop  
 77KB60 ass'd. Unit Stop, assembled  
 a77KB61 Nut  
 77KB62 Plunger  
 a77KB63 Plunger Spring  
 77KB92 Washer  
 77KB93  
 (Refer after 77KB59)  
 \*77KB32 ass'd. consists of 77KB32 to 39 inclusive  
 †77KB40 ass'd. consists of 77KB40 to 43 inclusive,  
 a77KB44, 77KB45, 46 and 47  
 ‡77KB48 ass'd. consists of 77KB48 to 52 inclusive  
 §77KB53K consists of 77KB53 to 56 inclusive  
 ¶77KB53 ass'd. consists of 77KB53K, 77KB57,  
 77KB58(2), 77KB59(2), 77KB93(9)  
 ||77KB60 ass'd. consists of 77KB60, a77KB61,  
 77KB62, a77KB63, 77KB92  
 Duplex Keyboard double above quantities

**94KB**  
**Unit Adding Attachment**  
 Unit Distance Piece  
 b94KB1\* Bar Carrier  
 94KB5 Bar Carrier  
 94KB6 Bar Carrier Clamp  
 94KB7 Bar Extension  
 94KB8 Bar Extension Pin  
 94KB9 Bar Extension Stop Pin  
 94KB12 Carrier Guard Plate  
 94KB13 Carrier Screw,  $\frac{1}{8} \times \frac{1}{4}$ "  
 X094KB Unit Distance Piece group; consists of b94KB1K,  
 94KB5 to 9 inclusive, 94KB12 and 13  
 Duplex Keyboard double above quantities

**20KC**  
**Unit Adding Attachment**  
 c20KC1 Paper Tower Cover, front, large  
 Duplex Keyboard double above quantity

**8KU**  
**Unit Adding Attachment**  
 Object: To add a fixed number of units (either 1, 2 or 3 at will) to characters and spaces  
 For Standard Keyboards numbered prior to 26811  
 Unit Adding Attachment; consists of a13KA60, b13KA65, c20KC1, a8KU2  
 For Standard Keyboards numbered 26811 and over  
 All Standard Keyboards equipped with Justified Letter Spacing Attachment  
 e8KU Unit Adding Attachment; consists of a13KA60, b13KA65, a8KU2  
 For Duplex Keyboards numbered prior to 0495  
 Unit Adding Attachment; consists of a13KC60, b13KC65, c20KC1(2), a8KU2(2)  
 For Duplex Keyboards numbered 0495 and over  
 All Duplex Keyboards equipped with Justified Letter Spacing Attachment  
 d8KU Unit Adding Attachment; consists of a13KA60, b13KA65, a8KU2(2)  
 For Standard Keyboards numbered prior to 26811  
 equipped with Two-Colour Attachment, and Duplex Keyboards numbered prior to 0495  
 equipped with Two-Colour Attachment  
 e8KU Unit Adding Attachment; consists of c20KC1, a8KU2  
 Duplex Keyboard double above quantities  
 For Standard Keyboards numbered 26811 and over  
 equipped with Two-Colour Attachment  
 Duplex Keyboards numbered 0495 and over  
 equipped with Two-Colour Attachment  
 a8KU2 Unit Adding Attachment; consists of 77KB2, k27KB5 ass'd., 77KB32 ass'd., 77KB40 ass'd., 77KB48 ass'd., 77KB53K, 77KB57, 77KB59(2), 77KB59(2), 77KB60 ass'd., 77KB93(9), Xb94KB  
 Duplex Keyboard double above quantities



## 25KA

### Copy Light Attachment

- 25KA1\* Copy Lamp, Edison Screw, specify voltage (not included as part of the Attachment, order separately)
- a25KA1\* Copy Lamp, Bayonet, specify voltage (not included as part of the Attachment, order separately)
- b25KA1† Copy Lamp, 'Striplite', specify voltage (not included as part of the Attachment, order separately)
- c25KA1 Copy Lamp, 'Fluorescent' (2), specify voltage
- 25KA1\* Cable Insulator, long, in Base
- a25KA3 Cable Grommet, in Base
- a25KA4 Cord Plug, Bayonet
- c25KA6† Socket, Edison Screw
- a25KA6† Socket, Bayonet, for d25KA6
- 25KA16† Grommet
- a25KA17 Shade Strip and Sockets
- 25KA18† Shade Strip and Sockets Screw (2), 4BA x 1/4"
- 25KA19 Light Unit - specify voltage
- 25KA20 Light Unit Lock Nut
- 25KA21 Cable Earth Terminal
- 25KA22 Starter Switch (2)
- \*Copy Light Attachments supplied prior to November, 1961, were equipped with these parts
- †Copy Light Attachments supplied on and after September, 1951, and prior to November, 1961, were equipped with these parts

Duplex Keyboard same as above quantities

## 26KA

### Copy Light Attachment

- 26KA1 Copy Lamp Cable Tube
- a26KA3 Ball End
- a26KA4 Ball End Cap
- a26KA5 Ball End Cap Lock Ring
- 26KA9 Ball End Washer
- 26KA10 Ball End Washer
- b26KA11 Grommet (2)
- a26KA12 Lock Nut
- 26KA13† Ball End Nut
- 26KA15 Ball End Spring Abutment Washer
- a26KA18 Ball End Washer, large
- Xj26KA Copy Lamp Cable Tube, group: consists of
- 26KA10, a26KA3, 4 and 5, 26KA9 and 10, 26KA11(2), a26KA12, 26KA15

\*Copy Light Attachments supplied on and after September, 1956, and prior to November, 1961, were equipped with these parts

Duplex Keyboard same as above quantities

## 28KA

### Copy Light Attachment

- a28KA1\* Copy Lamp Tube Post Clamp, inside
- b28KA1 Copy Lamp Tube Post Clamp, inside
- a28KA2 Copy Lamp Tube Post Clamp, outside
- b28KA3 Stud
- a28KA4 Stud Nut
- 28KA5\* Friction Washer
- 28KA6\* Base
- b28KA6 Base
- c28KA6 Base
- 28KA7 Screw (2), 3/8" x 3/8", to Keyboard Base
- a28KA7 Screw (2), 1/2" x 3/8", to Keyboard Base
- 28KA8 Stud Nut Washer
- Xa28KA Copy Lamp Tube Post Clamp group: consists of
- b28KA1, a28KA2, b28KA3, a28KA4, b28KA6, 28KA7(2), 28KA8
- Xc28KA Copy Lamp Tube Post Clamp group: consists of
- b28KA1, a28KA2, b28KA3, a28KA4, c28KA6, a28KA7(2), 28KA8
- \*Copy Light Attachments supplied on and after September, 1951, and prior to September, 1959, were equipped with these parts

Duplex Keyboard same as above quantities

## 47KA

### Copy Light Attachment

- a47KA1K\* Copy Lamp Cable Tube Post
- a47KA4† Ball Pin Socket
- b47KA4 Ball Pin Socket
- a47KA45† Ball Pin Socket Cap
- b47KA45† Ball Pin Socket Cap
- a47KA5 Ball Pin Socket Cap
- a47KA6† Ball Pin Socket Lock Ring
- b47KA6† Ball Pin Socket Lock Ring
- a47KA7 Insulating Bush, large
- a47KA8† Insulating Bush, small
- b47KA8† Insulating Bush, small
- Grommet
- 47KA9† Ball Pin Socket Cap Pad
- a47KA9 Ball Pin Socket Pad
- 47KA10† Ball Pin Socket Cap Pad Disc
- a47KA10 Ball Pin Spring Plate
- 47KA11† Ball Pin Socket Cap Pad Washer

47KA12  
Xc47KA

Ball Pin Socket Cap Spring (3)  
Copy Lamp Cable Tube Post group: consists of

a47KA1K, b47KA4, c47KA5, b47KA6, a47KA9 and 10, 47KA12(3)

\*a47KA1K consists of a47KA1, a47KA7, b47KA8

†Copy Light Attachments supplied prior to September, 1951, were equipped with these parts

‡Copy Light Attachments supplied on and after 9th March, 1954, and prior to September, 1959, were equipped with these parts

Duplex Keyboard same as above quantities

## 25KU

Copy Light Attachment for Standard Keyboard  
Object: To illuminate the Copy

For Standard Keyboards numbered 2001 to 26792 inclusive, 26795 to 26814 inclusive, 26816 to 26823 inclusive

c25KU Copy Light (Fluorescent) Attachment, specify current and voltage; consists of b1KA8, a25KU1

For Standard Keyboards numbered 26793, 26794, 26815, 26824 and over

d25KU1 Copy Light (Fluorescent) Attachment, specify current and voltage; consists of a1KA11(2), c25KA1(2), a25KA3, 25KA19, 25KA20 and 21, Xj26KA, Xc28KA, Xc47KA, a51KA1

For Standard Keyboards equipped with Paper Punchings Remove Attachment

b25KU2 Copy Light (Fluorescent) Attachment, specify current and voltage; consists of 51KA26 and 27, a51KA28(2), d25KU1 without a1KA11(2)

## 26KU

Copy Light Attachment for Duplex Keyboard

Object: To illuminate the Copy

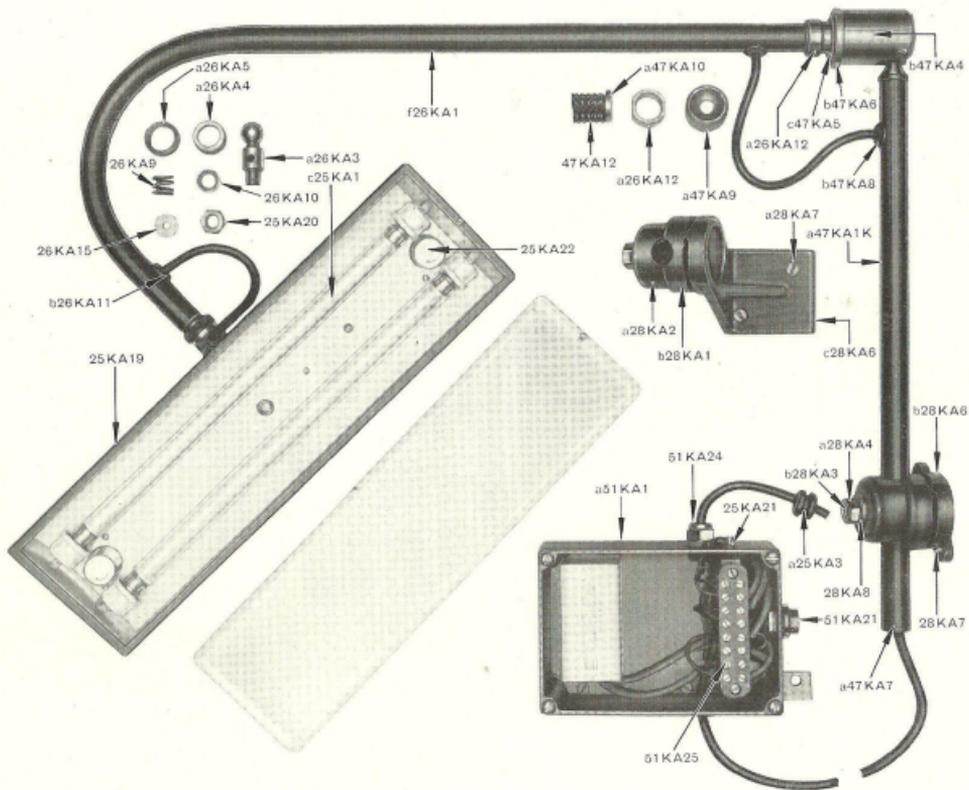
For Duplex Keyboards numbered prior to 0499

c26KU Copy Light (Fluorescent) Attachment, specify current and voltage; consists of b1KA8, d26KU1

d26KU1 For Duplex Keyboards numbered 0499 and over Copy Light (Fluorescent) Attachment, specify current and voltage; consists of a1KA11(2), c25KA1(2), a25KA3, 25KA19, 25KA20 and 21, Xj26KA, Xc28KA, Xc47KA, a51KA1

For Duplex Keyboards equipped with Paper Punchings Remove Attachment

b26KU2 Copy Light (Fluorescent) Attachment, specify current and voltage; consists of 51KA26 and 27, a51KA28(2), d26KU1 without a1KA11(2)



**PLATE 35**

**51KA**

- 51KA1K\* Junction Box, DUPLEX KEYBOARD  
*a51KA1* Junction Box, COPY LIGHT FLUORESCENT ATTACHMENTS, specify current and voltage (see plate 35)
- 51KA2 Bracket, DUPLEX KEYBOARD  
 51KA3 Bracket Screw (2),  $\frac{1}{2} \times \frac{3}{8}$ , to Base, DUPLEX KEYBOARD
- 51KA4 Cable, to Mains, DUPLEX KEYBOARD  
 51KA5 Cable Clip, DUPLEX KEYBOARD  
 51KA6 Cable Clip Screw,  $\frac{1}{2} \times \frac{3}{8}$ , countersunk to Base, DUPLEX KEYBOARD
- 51KA7 Cover, DUPLEX KEYBOARD  
 51KA8 Cover Screw (2),  $\frac{1}{2} \times \frac{3}{8}$ , round head, DUPLEX KEYBOARD
- a51KA10* Grommet, mains, DUPLEX KEYBOARD  
 51KA11 Screw (2),  $\frac{1}{2} \times \frac{3}{8}$ , through Bracket, DUPLEX KEYBOARD  
 51KA12 Terminal Block, assembled, DUPLEX KEYBOARD
- 51KA13 Terminal Block Screw,  $\frac{3}{8} \times \frac{1}{2}$ , DUPLEX KEYBOARD
- 51KA15 Terminal Block Washer, DUPLEX KEYBOARD
- 51KA16 Terminal Screw (6),  $3BA \times \frac{3}{8}$ , DUPLEX KEYBOARD
- 51KA17 Earth Terminal, DUPLEX KEYBOARD  
 51KA18 Earth Terminal Screw (2),  $\frac{1}{2} \times \frac{1}{4}$ , DUPLEX KEYBOARD
- 51KA19 Earth Terminal Screw Washer (2), DUPLEX KEYBOARD
- 51KA21 Cartridge, 5 amp, COPY LIGHT FLUORESCENT ATTACHMENTS (see plate 35)
- 51KA22 Choke, specify current and voltage, spares for *a51KA*, COPY LIGHT FLUORESCENT ATTACHMENTS
- 51KA23 Packing Gland, COPY LIGHT FLUORESCENT ATTACHMENTS
- 51KA24 Packing Gland Lock Nut, COPY LIGHT FLUORESCENT ATTACHMENTS (see plate 35)
- 51KA25 Terminal Block, 8 junctions, COPY LIGHT FLUORESCENT ATTACHMENTS (see plate 35)
- 51KA26 Bolt,  $\frac{1}{2} \times \frac{3}{8}$ , COPY LIGHT FLUORESCENT ATTACHMENTS
- 51KA27 Bolt,  $\frac{1}{2} \times \frac{3}{8}$ , COPY LIGHT FLUORESCENT ATTACHMENTS
- a51KA28* Bolt Nut (2), COPY LIGHT FLUORESCENT ATTACHMENTS
- 51KA29 Fuse and Holder, 5 amp, COPY LIGHT FLUORESCENT ATTACHMENTS
- 51KA30 Toggle Switch, 5 amp, double pole, COPY LIGHT FLUORESCENT ATTACHMENTS
- X51KA Junction Box, Duplex Keyboard group; consists of 51KA1K, 51KA2, 51KA3(2), 51KA4, 5 and 6, *a51KA1*, 51KA11, 51KA12(2), 51KA13K, 51KA14 and 15, 51KA17, 51KA18(2), 51KA19(2) \*51KA1K consists of 51KA1, 51KA7, 51KA8(4) †51KA1K consists of 51KA13, 51KA16(6)

**61KB****Justifying Scale Illuminator Attachment****Illuminator**

- 61KB1 Arm  
 61KB2 Screw (2),  $\frac{3}{8} \times \frac{3}{8}$   
 61KB3 Cylinder  
 61KB5 Lens

- a61KB6* Lens Clamp (2)  
 61KB7 Seal Lock Bar  
 61KB8 Scale Screw (3),  $\frac{1}{2} \times \frac{3}{8}$   
*a61KB11* Scale  
 61KB11 Scale  
 61KB13 Shield  
*a61KB14* Shield Lock Bar  
 61KB15 Cylinder Bush  
 61KB15 Cylinder Bush, Bayonet  
 61KB15 Cylinder Bush, Edison Screw  
 61KB16 Cylinder Bush Screw  
 61KB18 Lens Clamp Screw (2),  $\frac{1}{2} \times \frac{3}{8}$   
 61KB19 Scale Screw Washer (3)

- X61KB* Illuminator, Bayonet, group; consists of 61KB1, 61KB2(2), 61KB3, 61KB5, *a61KB6*(2), 61KB7, *a61KB8*(3), 61KB11, 61KB15, 61KB16, 61KB18(2), 61KB19(3)
- X61KB* Illuminator, Edison Screw, group; consists of 61KB1, 61KB2(2), 61KB3, 61KB5, *a61KB6*(2), 61KB7, *a61KB8*(3), 61KB11, 61KB15, 61KB16, 61KB18(2), 61KB19(3)
- \*Attachments supplied on and after 25th September, 1947, and prior to 16th March, 1953, were equipped with these parts
- †Attachments supplied on and after 16th March, 1953, and prior to 5th November, 1958, were equipped with this part
- Duplex Keyboard double above quantities

**62KB****Justifying Scale Illuminator Attachment****Illuminator Arm Stud****Nut****Washer**

- 62KB1 Illuminator Arm Stud group; consists of 62KB1, 2 and 3
- X62KB* Duplex Keyboard double above quantities

**66KB****Illuminator Lamp, Bayonet, specify voltage, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT****Illuminator Lamp, Edison Screw, specify voltage, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT**

- 66KB1 Cable, Lamp to Switch, Bayonet and Candelabra, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT
- 66KB2 Cable, Lamp to Switch, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT
- 66KB2 Cable, Junction Box to Lamp through Switch (2), JUSTIFYING SCALE ILLUMINATOR ATTACHMENT
- a66KB2* Cable, Junction Box to Switch, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT
- 66KB4 Cable Insulator (2), DUPLEX KEYBOARD
- 66KB5K\* Socket, Bayonet, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT
- 66KB5K† Socket, Edison Screw, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT
- f66KB5K†* Socket, Candelabra, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT
- 66KB6 Socket Bush, Bayonet, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT
- 66KB10 Cable Earth Terminal, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT

- X66KB* Illuminator Lamp, Bayonet, specify voltage, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT, group; consists of 66KB1, 66KB2, 66KB3, 66KB4, 66KB5K

**X66KB Illuminator Lamp, Edison Screw, specify voltage, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT, group; consists of 66KB1, 66KB2, 66KB4, 66KB5K, 66KB10**

- \*66KB5K consists of 66KB5 and 6  
 †66KB5K consists of 66KB5, 66KB6  
 ‡66KB5K consists of 66KB5, 66KB6
- Duplex Keyboard double above quantities

**67KB****Attachment Plug, Bayonet, DUPLEX****KEYBOARD****67KB2\* Attachment Plug, Bayonet, DUPLEX KEYBOARD****67KB6† Cable Clip, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT****67KB7† Cable Clip Screw,  $\frac{1}{2} \times \frac{3}{8}$ , to Keyboard Base, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT****X67KB\* Attachment Plug, Edison Screw, DUPLEX KEYBOARD, group; consists of 67KB1 and 2****X67KB† Attachment Plug, Bayonet, JUSTIFYING SCALE ILLUMINATOR ATTACHMENT, group; consists of 67KB1 and 2, 67KB6 and 7****X67KB\* Attachment Plug, Bayonet, DUPLEX KEYBOARD, group; consists of 67KB1, 67KB2****\*Duplex Keyboards supplied prior to September, 1951, were equipped with these parts****†Attachments supplied prior to September, 1951, were equipped with these parts****68KB****Copy Light and Justifying Scale Illuminator****Attachments (supplied prior to 25th September, 1947)**

- 68KB4\* Cut-out Resistance Lamp Jumper, 64" long
- 68KB10\* Resistance Lamp Cable, to Switch, 41" long (2)

**\*For circuits 115 volts and over****90KB****Justifying Scale Illuminator Attachment**

- a90KB1 assd.*†† Plug Socket Bracket, assembled
- 90KB2† Insulator, STANDARD KEYBOARD (1), DUPLEX KEYBOARD (2)

**90KB2† Screw (2),  $\frac{3}{8} \times \frac{3}{8}$ , to Keyboard Base****X90KB† Plug Socket Bracket group; consists of 90KB1 assd., 90KB2****X90KB2† Plug Socket Bracket group; consists of 90KB1 and 2, 90KB3(2)****\*90KB1 assd. consists of 90KB1, 90KB2(2)****†Attachments supplied on and after July, 1946, and prior to 25th September, 1947, were equipped with these parts****††Attachments supplied prior to September, 1951, were equipped with these parts****Duplex Keyboard same as above quantities**

**34KU****Justifying Scale Illuminator Attachment for Standard Keyboard**

Object: To illuminate the Justifying Scale

- c34KU* Edison Screw Fittings  
Justifying Scale Illuminator Attachment, with Junction Box, specify voltage; consists of Xa51KA, Xg61KB, X62KB, Xa63KB, Xb65KB, Xc66KB specify voltage
- d34KU* Edison Screw Fittings  
Justifying Scale Illuminator Attachment, without Junction Box, specify voltage; consists of c34KU without Xa51KA
- c34KU* Bayonet Fittings  
Justifying Scale Illuminator Attachment, with

*d34KU*

Junction Box, specify voltage; consists of Xa51KA, Xf61KB, X62KB, Xa63KB, Xb65KB, Xb66KB specify voltage

Bayonet Fittings  
Justifying Scale Illuminator Attachment, without Junction Box, specify voltage; consists of c34KU1 without Xa51KA

**37KU****Justifying Scale Illuminator Attachment for Duplex Keyboard**

Object: To illuminate the Justifying Scale

- b37KU* Edison Screw Fittings  
Justifying Scale Illuminator Attachment, without Junction Box, specify voltage; consists of

*c37KU**b37KU**c37KU*

Xg61KB(2), X62KB(2), d66KB1(2) specify voltage, d66KB2(2), c66KB3K(2), 66KB10(2)

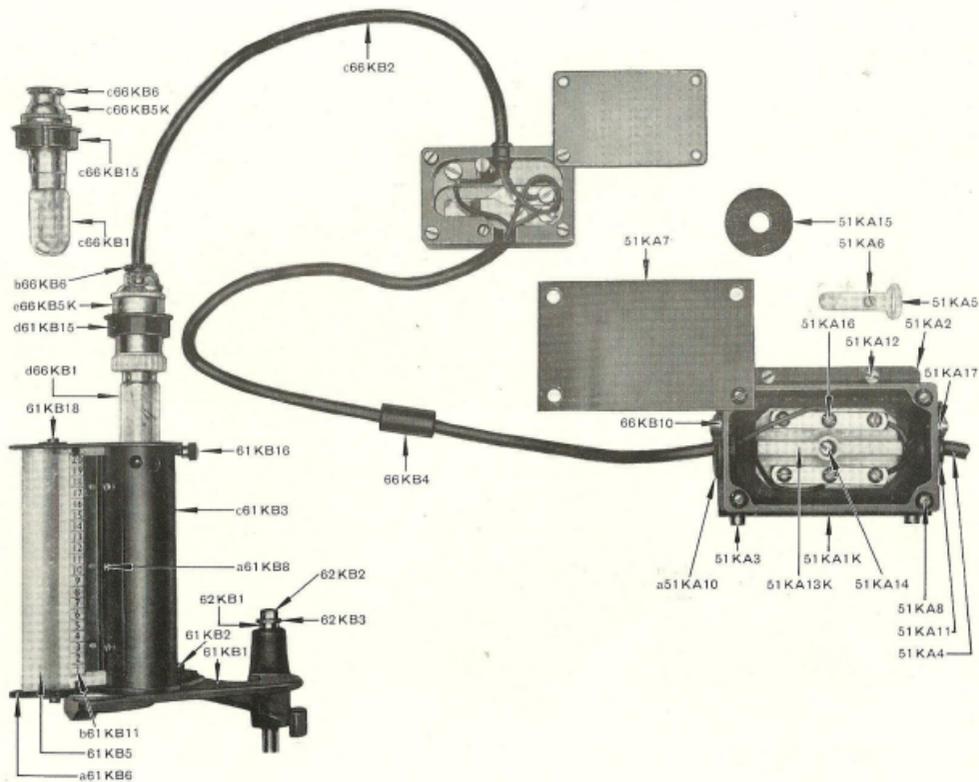
Edison Screw Fittings  
Justifying Scale Illuminator Attachment, with Junction Box, specify voltage; consists of Xa51KA, b37KU

Bayonet Fittings  
Justifying Scale Illuminator Attachment, without Junction Box, specify voltage; consists of Xf61KB(2), X62KB(2), c66KB1(2) specify voltage, b66KB2(2), c66KB5K(2)

Bayonet Fittings  
Justifying Scale Illuminator Attachment, with Junction Box, specify voltage; consists of Xa51KA, b37KU

**PLATE 36 continued***A symbol in italics is not illustrated unless referred to another plate***Additional Parts for Keyboards equipped with Key Transfer facilities****51KA**

- b51KA* Junction Box  
Duplex Keyboard same as above quantities



**PLATE 36**

**8KA**

h8KA1 Combined Spacing Attachment  
Keybar, left bank, designation 1-S-15-O  
Duplex Keyboard same as above quantity

**9KA**

h9KA1 Combined Spacing Attachment  
Keybar, right bank, designation 1-S-15-O  
Duplex Keyboard same as above quantity

**93KB**

Combined Spacing Attachment  
Unit Wheel Stop  
93KB1 Housing  
93KB2 Housing Pipe Connector  
93KB3 Housing Screw (2),  $\frac{1}{8}'' \times \frac{1}{4}''$   
93KB4 Piston  
93KB5 Spring  
93KB6 Spring Plate  
93KB7 Spring Post  
Xa93KB Unit Wheel Stop group; consists of 93KB1 and 2,  
a93KB3, 93KB4(2), 93KB5 to 8 inclusive  
Duplex Keyboard double above quantities

**11KC**

Combined Spacing Attachment  
Paper Feed Valve Bracket  
c11KC1K Piston, cut-off  
11KC8 Piston Block  
11KC9 Piston Block Cover  
11KC10 Piston Block Plug Screw (2),  $\frac{1}{4}'' \times \frac{1}{8}''$   
11KC11 Piston Spring  
11KC12 Plate  
11KC13K Piston  
11KC14 Plug Screw,  $\frac{1}{8}'' \times .135''$   
11KC15 Screw (top 12),  $\frac{1}{8}'' \times \frac{1}{2}''$   
11KC16 Plate Pin  
11KC17 Piston Block Cover Air Pipe Connector  
Duplex Keyboard double above quantities

**88KC**

Combined Spacing Attachment  
a88KC1\* Pipe, Switch to Paper Feed Valve Bracket  
a88KC1 Pipe, Switch to Paper Feed Valve Bracket  
a88KC2K† Pipe, Switch to Unit Wheel Stop  
a88KC2 Pipe, Switch to Unit Wheel Stop  
a88KC2 Pipe, Switch, "Combined Spacing", to Switch  
"Double Exposure"  
a88KC8† Nut (4) (not supplied separately, order a88KC1K  
or a88KC2K)  
88KC9 Clip (4)  
88KC10 Clip Screw (4),  $\frac{1}{4}'' \times \frac{1}{8}''$ , to Base  
88KC11 Pipe Switch, "Double Exposure", to Unit  
Wheel Stop  
Xa88KC Pipe group; consists of a88KC1, a88KC2  
X88KC Pipe group; consists of a88KC1, a88KC2(2),  
88KC9(4), 88KC10(4)  
\*a88KC1K consists of a88KC1, a88KC8(2)  
†a88KC2K consists of a88KC2, a88KC8(2)  
†Attachments supplied on and after 1st October,  
1956, and prior to December, 1962, were  
equipped with these parts

**89KC**

Combined Spacing Attachment  
89KC1 Switch  
a89KC2 Body  
89KC3 Body Connector  
89KC4 Body Connector Nut  
89KC5 Split Pin,  $\frac{1}{8}'' \times \frac{1}{4}''$   
89KC6 Spring  
89KC7 Washer  
89KC8 Body Air Pipe Connector (2)  
Xa89KC Switch group; consists of 89KC1, a89KC2,  
89KC3 to 7 inclusive, 89KC8(2)  
Duplex Keyboard double above quantities

**98KC**

Double Exposure Attachment  
98KC1 Air Pipe, Piston Block to Unit Wheel Stop

**99KC**

Combined Spacing Attachment  
Switch, "Double Exposure"  
99KC1 Body  
99KC2K\* Body Air Pipe Connector (2)  
99KC3 Split Pin  
99KC4 Spring  
99KC5 Stop Pin  
99KC7 Washer  
\*99KC2K consists of 99KC2, 99KC6

**32KU**

Combined Spacing Attachment  
Object: To combine the Justifying Space with the  
adjacent character. It may be so arranged that  
the standard space (minimum space plus justifi-  
cation) or justification only is combined with the  
character.  
For Standard Keyboard  
a22KU Combined Spacing Attachment; consists of  
g8KA1(1-S-15-O), g9KA1(1-S-15-O), Xa93KB,  
95KB1, c11KC1K, a11KC8, 9 and 10, 11KC11(2),  
11KC12, 11KC13K, 11KC15(2), 11KC17,  
Xa89KC, Xa89KC  
For Duplex Keyboard  
a22KU1 Combined Spacing Attachment; consists of  
a8KA1(1-S-15-O), g9KA1(1-S-15-O), Xa93KB(2),  
95KB1(2), c11KC1K(2), a11KC8(2), a11KC9(2),  
a11KC10(2), 11KC11(4), 11KC12(2),  
11KC13K(2), 11KC15(4), 11KC17(2),  
Xa88KC(2), Xa89KC(2)

32KU2 For Standard Keyboard equipped with "Double  
Exposure" Attachment  
Combined Spacing Attachment; consists of h8KA1  
(1-S-15-O), h9KA1 (1-S-15-O), Xa93KB,  
c11KC1K, a11KC8, 9 and 10, 11KC11(2),  
11KC12, 11KC13K, 11KC15(2), 11KC17,  
29KC24 and 25, b88KC2, 88KC11, Xa89KC,  
99KC1, 99KC2K, 99KC3(2), 99KC4 and 5,  
99KC7  
For Standard and Duplex Keyboards  
32KU3 Combined Spacing, Proportional Justification  
Filmsetting Attachment; consists of c11KC1K,  
11KC3 and 6, a11KC8 and 9, 11KC11(2),  
11KC12, 11KC13K, a11KC15(2), 11KC18  
assd., 11KC19, 29KC23, b88KC1  
Duplex Keyboard double above quantities

**47KU**

Double Exposure Attachment  
Object: To facilitate the setting of Mathematics  
—on the "Monophoto" Filmsetter  
For Standard Keyboards numbered 22301 to 2669  
inclusive  
For Duplex Keyboards numbered 0179 to 0638 in-  
clusive  
(Machines NOT incorporating "Double Exposure"  
facilities)  
a47KU1 Double Exposure Attachment; consists of Xa93KB,  
28KC7, 28KC10, 29KC23, 98KC1  
Duplex Keyboards double above quantities  
For Standard Keyboards equipped with Combined  
Spacing Attachment (Hot Metal use only)  
For Duplex Keyboards numbered 0179 to 0638 in-  
clusive, equipped with Combined Spacing Attach-  
ment (Hot Metal use only)  
a47KU2 Double Exposure Attachment; consists of 28KC7,  
28KC10, 29KC24 and 25, b88KC2, 88KC11,  
99KC1, 99KC2K, 99KC3(2), 99KC4 and 5,  
99KC7  
Duplex Keyboards double above quantities  
For Standard Keyboards numbered 28670 and over  
For Duplex Keyboards numbered 0639 and over  
(Machines incorporating "Double Exposure"  
facilities)  
47KU3 Double Exposure Attachment; consists of Xa93KB,  
29KC23, a98KC1  
Duplex Keyboards double above quantities  
For Duplex Keyboards numbered 0179 to 0638 in-  
clusive where it is required to operate both  
towers simultaneously (Machines NOT incor-  
porating "Double Exposure" facilities)  
47KU6 Double Exposure Attachment; consists of  
Xa93KB(2), 29KC7(2), 29KC23(2), a55KC1(2),  
56KC126 and 127, a60KC1(2), 98KC2 to 7 in-  
clusive, 101KC1 assd., 101KC3 assd. (2),  
101KC8(8), 101KC10(2)  
NOTE: The machine must be equipped with Punch  
Lock Cylinder, group Xc59KC(2)

*Additional Parts for Keyboards equipped with Key Transfer facilities*

**93KB**

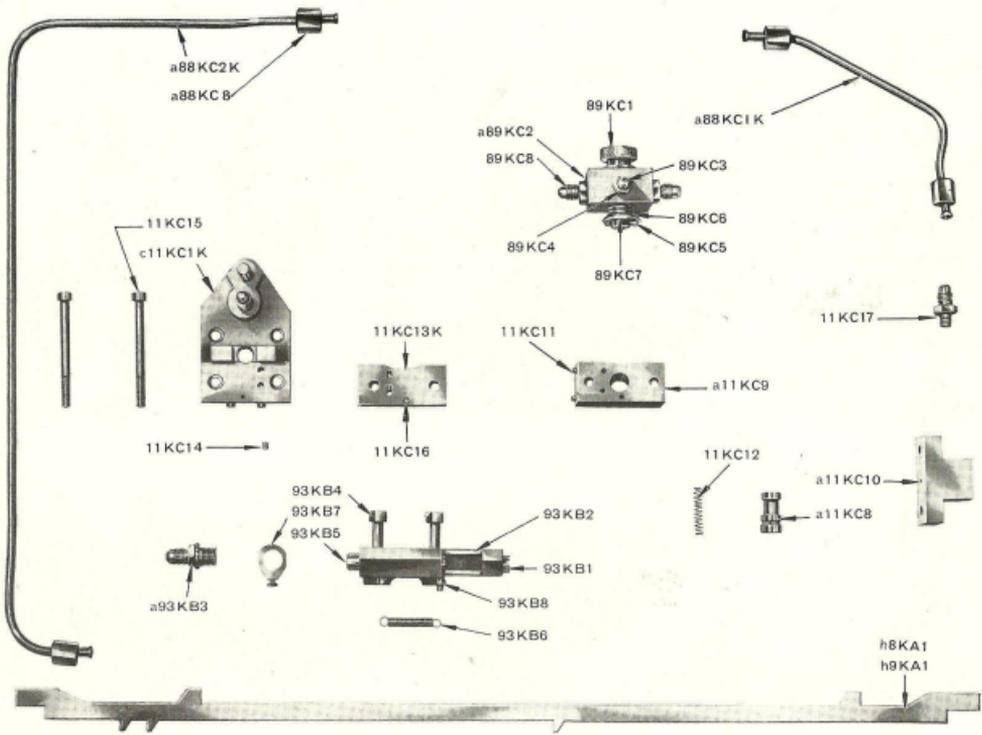
*93KB1* Unit Wheel Stop  
*a93KB2* Housing  
*a93KB3* Housing Pipe Connector  
*93KB4* Housing Screw (2),  $\frac{1}{8}'' \times 1\frac{1}{8}''$   
*93KB5* Piston  
*a93KB6* Spring  
*93KB7* Spring Plate  
*93KB8* Spring Post  
*93KB9* Housing Adjuster (2)  
*93KB10* Housing Adjuster Lock Screw (2),  $\frac{1}{8}'' \times \frac{1}{8}''$ , grub  
*93KB11* Housing Screw Washer (2)  
*X693KB* Unit Wheel Stop group; consists of 93KB1,  
a93KB2 and 3, 93KB4(2), 93KB5, a93KB6,  
93KB7 and 8, 93KB9(2), 93KB10(2), 93KB11(2)  
Duplex Keyboard double above quantities

**88KC**

*b88KC1* Air Pipe, Piston Block to Paper Feed Valve Bracket  
Duplex Keyboard double above quantities

**98KC**

*a98KC1* Air Pipe, Piston Block to Unit Wheel Stop  
Duplex Keyboard double above quantities



**PLATE 37**

**43KC****Air Filter and Pressure Regulator Attachment  
Air Filter, Pressure Regulator and Lubricator  
Attachment**

**Reducing Valve**  
**443KC1K\*** Body  
**a43KC2** Adjusting Screw  
**a43KC3** Adjusting Screw Lock Nut  
**a43KC5** Piston Stop and Body Plug  
**443KC6** Piston  
**a43KC7** Spring  
**a43KC8** Pipe Elbow, 1" x 1"  
**a43KC8** Air Pipe Nipple, close taper, 1"  
**43KC9** Pipe, outlet

\*b43KC1K consists of 443KC1, a43KC2 and 3, a43KC5, b43KC6, a43KC7, a43KC8 and 9.  
 †These parts were supplied on and after 15th October, 1952, and prior to 3rd November, 1955.  
 ‡Attachments supplied on and after 1st September, 1955, and prior to November, 1963, were equipped with these parts.  
 §Attachments supplied on and after 3rd November, 1955, and prior to November, 1963, were equipped with this part.

**44KC****Air Filter**

**44KC1A\*** Body  
**44KC2** Body Stud (4)  
**44KC3** Body Stud Wing Nut (4)  
**44KC4** Cover  
**44KC5** Cover Packing  
**44KC6** Drain Cock  
**44KC7** Pipe, inlet  
**a44KC7** Pipe, inlet  
**44KC8** Pipe, outlet  
**44KC9** Screen Pad (2)  
**44KC10** Screen (3)  
**44KC11** Screen Plate (2)

**a44KC13** Air Filter "Norgren" for Attachments a42KU1, a42KU2  
**44KC14** Air Pipe, 1" x 3", to Air Filter, for Attachments a42KU1, 42KU2

**44KC15** Air Pipe Bush, reducing 3" to 1", for Attachments a22KU1, b42KU2  
**a44KC16** Air Pipe Elbow, 1" x 1", for Attachment a42KU3  
**a44KC17** Air Pipe Elbow, 1" x 1", for Attachment 42KU3  
**a44KC18** Air Pipe Elbow, 1" x 1"

**44KC19** Air Pipe Union, for Attachments b42KU1, c42KU1, a42KU2, b42KU2  
**44KC20** Air Pipe Union, for Attachments a42KU1, b42KU2, b42KU2

**44KC21** Air Pipe Nipple, running, (2), (3) or (4), 1" x 1", for Attachments b42KU1, c42KU1, a42KU2, b42KU2

**44KC22** Air Pipe Bush, reducing, 1" x 1", for Attachments b42KU1, a42KU3

**44KC23** Air Pipe Bush, reducing, 3" to 1", for Attachments b42KU1, c42KU1, a42KU2, b42KU2

**44KC24** Air Pipe Bush, reducing, 1" to 1", for Attachment a42KU3  
**44KC25** Air Pipe, 1" to 5/8", to Air Filter, for Attachment 42KU3  
**a44KC25** Air Pipe, 1" x 4/8", to Air Filter, for Attachment a42KU3

**b44KC25** Air Pipe, 1" x 4/8", to Air Filter, for Attachment a42KU3

**a44KC26** Air Pipe, 1" x 2 1/2", from Air Filter, for Attachment a42KU3

**44KC27** Air Pipe, 1" x 1 1/2", for Attachment a42KU3

**44KC28** Air Pipe Elbow, 1" x 1", for Attachment 42KU3

**44KC28** Air Pipe Elbow, side outlet, for Attachment a42KU3

**44KC29** Air Pipe, 1" x 1 1/2", to Reducing Valve, for Attachment a42KU3

**44KC30** Element, for 44KC13, for Spares

**44KC31** Air Pipe Nozzle, 1" x 2", for Attachments b42KU1, a42KU2, a42KU3

**44KC32** Air Pipe Nozzle, 1" x 2", for Attachments b42KU1, c42KU1, a42KU2, b42KU2, a42KU3

**b44KC32\*** Air Pipe Nozzle, 1" x 2"

**44KC33** Air Pipe Tee, 1", for Attachments b42KU1, a42KU2

**44KC34** Pressure Gauge, for Spares

\*44KC1K consists of 44KC1, 44KC2(4)

†This part was supplied on and after 24th April, 1955, and prior to 15th October, 1952

‡These parts were supplied on and after 15th October, 1952, and prior to 3rd November, 1955

§These parts were supplied on and after 3rd November, 1955, and prior to 14th May, 1957

¶This part was supplied on and after 10th December, 1957, and prior to 5th November, 1958

||Attachments supplied on and after 3rd November, 1955, and prior to September, 1962, were equipped with these parts

\*\*Attachments supplied on and after September, 1962, and prior to November, 1963, were equipped with this part

††Attachments supplied on and after 3rd November, 1955, and prior to November, 1963, were equipped with these parts

‡‡Attachments supplied on and after 14th May, 1957, and prior to November, 1963, were equipped with these parts

§§Attachments supplied on and after 10th December, 1957, and prior to November, 1963, were equipped with these parts

¶¶Attachments supplied on and after September, 1962, and prior to November, 1963, were equipped with this part

|||Attachments supplied on and after September, 1962, and prior to November, 1963, were equipped with this part

¶¶¶Attachments supplied on and after 5th November, 1958, and prior to November, 1963, were equipped with these parts

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**95KC13**

Strap Clamp Bolt Washer (2)  
 \*Attachments supplied on and after 3rd November, 1955, and prior to November, 1963, were equipped with these parts

†Attachments supplied on and after 14th March, 1957, and prior to November, 1963, were equipped with this part

**96KC****Air Filter Attachment  
Air Filter and Pressure Regulator Attachment  
Air Filter, Pressure Regulator and Lubricator  
Attachment**

**b96KC1** Air Lubricator, "Norgren"  
**96KC2** Bush, reducing 3/8" x 1"  
**96KC3** Nipple, running, 1" x 1"  
**a96KC4** Air Pipe, 1" x 1"  
**96KC4\*** Air Pipe, 1" x 1 1/2", from Air Lubricator  
**a96KC5** Air Pipe, 1" x 2 1/2", from Air Lubricator  
**96KC6** Air Pipe Elbow, 1" x 1"  
**a96KC7** Air Pipe Connector (2)  
**96KC7** Air Pipe, swaged  
**96KC8** Air Pipe Elbow, 1" x 1"  
**96KC9** Air Pipe Bush, reducing 1" to 1"  
**96KC10** Sight Feed Glass, for spares  
**a96KC10\*** Sight Feed Glass, for spares

\*Attachments supplied on and after 10th December, 1957, and prior to 5th November, 1958, were equipped with these parts

†Attachments supplied on and after 5th November, 1958, and prior to October, 1961, were equipped with this part

‡Attachments supplied on and after 5th November, 1958, and prior to November, 1963, were equipped with these parts

§Attachments supplied on and after 3rd November, 1955, and prior to November, 1963, were equipped with these parts

Duplex Keyboard same as above quantities

**100KC****Air Filter Attachment  
Air Filter and Pressure Regulator Attachment  
Air Filter, Pressure Regulator and Lubricator  
Attachment**

**100KC1** Air Pipe  
**100KC2** Air Pipe Connector, 1" x 1"  
**100KC3** Air Pipe Connector, 1" x 1"  
**100KC4** Air Pipe Nozzle, 1" x 2", to Air Supply  
**100KC5** Air Pipe Elbow, 1" (2)  
**100KC6** Air Pipe Elbow, side outlet  
**100KC7** Air Pipe Nozzle, 1", bent, to Paper Punching  
 Remove  
**100KC8** Air Pipe (3), 1" x 1 1/2"  
**100KC9** Air Pipe, 1" x 5/8"

**42KU**

For Standard and Duplex Keyboards  
 Air Filter and Pressure Regulator Attachment consists of 11KC9, b1KC10(2), a44KC13, b95KC1(2), b95KC2(3), a95KC3(2), a95KC6(3), 95KC7 and 8, 95KC9(4), 95KC10(4), 95KC11(2), 95KC12(3), 95KC13(2), 100KC1 to 9 inclusive

Duplex Keyboard same as above quantity

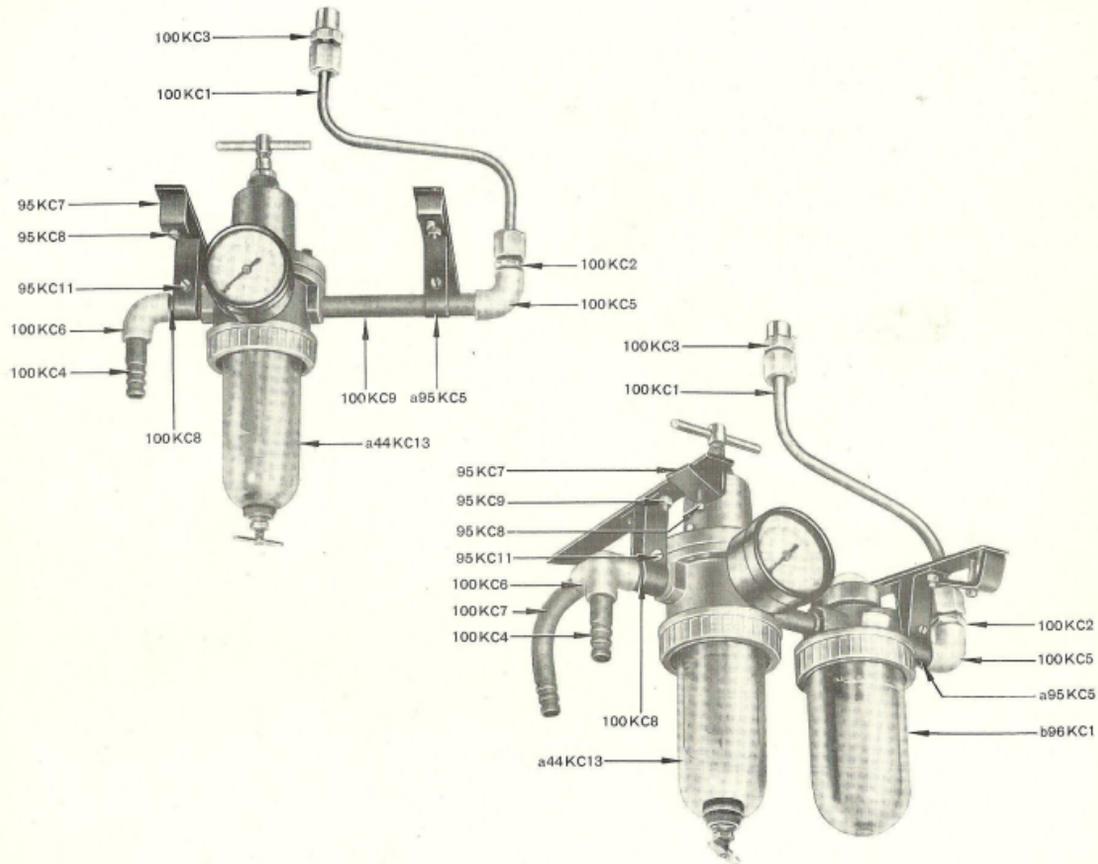
a2KU1

For Standard and Duplex Keyboard equipped  
with Paper Punchings Remover (Automatic)  
Attachment  
*e42KU1* Air Filter and Pressure Regulator Attachment;  
consists of a44KC13, b95KC1(2), b95KC2(3),  
a95KC5(2), a95KC6(3), 95KC7 and 8, 95KC9(4),  
95KC10(4), 95KC11(2), 95KC12(2), 95KC13(2),  
100KC1 to 4 inclusive, 100KC5(2), 100KC8  
and 9  
Duplex Keyboard same as above quantity

*b42KU3* For Standard and Duplex Keyboards  
Air Filter, Pressure Regulator and Lubricator  
Attachment; consists of f1KC9, b1KC10(2),  
a44KC13, b95KC1(2), b95KC2(2), a95KC5(2),  
a95KC6(2), 95KC7(2), 95KC8(2), 95KC9(4),  
95KC10(4), 95KC11(2), 95KC12(2), 95KC13(2),  
b96KC1, 100KC1 to 7 inclusive, 100KC8(3),  
1KT9  
Duplex Keyboard same as above quantity

**PLATE 38 continued**

*A symbol in Italics is not illustrated unless referred to another plate*



**PLATE 38**

**1KT**

- 1KT1 Wrench, Double,  $2\frac{1}{2} \times 4\frac{1}{2}$ , No. 1  
 1KT2 Wrench, Double,  $1\frac{1}{2} \times 2\frac{1}{2}$ , No. 2  
 1KT3 Wrench, Double,  $\frac{3}{8} \times \frac{5}{8}$ , No. 3  
 1KT4 Wrench, Double,  $\frac{3}{8} \times \frac{3}{4}$ , No. 4  
 1KT5 Wrench, Single,  $\frac{3}{8}$ , No. 5  
 1KT7 Wrench, "Allen",  $\frac{3}{8}$ , hexagon, for Unit Wheel Driving Rack Piston Washer Screw, DUPLEX KEYBOARD  
 1KT8 Pin Wrench, .093" diameter, TABULATING ATTACHMENT  
 1KT9 Wrench, "Allen",  $\frac{3}{8}$ , hexagon, for Attachment b42KU3

**2KT**

- 2KT1 Screwdriver,  $\frac{1}{2} \times .051" \times 10"$   
 2KT2 Screwdriver,  $\frac{1}{2} \times .032" \times 8"$   
 2KT3 Screwdriver,  $\frac{3}{8} \times .025" \times 7"$   
 2KT4 Screwdriver, TABULATING ATTACHMENT (see plate 31)

**4KT**

- a4KT1 Paper Reader and Type Body Measure Scale, Point  
 b4KT1 Paper Reader and Type Body Measure Scale, Didot

**6KT**

- 36KT Combination "Set" Em Scale (6 Blades), complete, 6 to  $11\frac{1}{2}$  point

**8KT**

- 8KT1 Wax Pencil, specify colour

**9KT**

- 9KT1 Folding Type Scale (Steel), 12", and "Set" Em Scales 5, 6, 8, 10 and 12 points

**10KT**

- 10KT1 Cover, STANDARD KEYBOARD  
 a10KT1 Cover, DUPLEX KEYBOARD

**11KT**

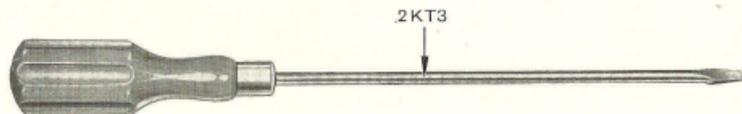
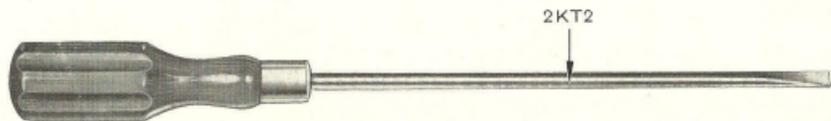
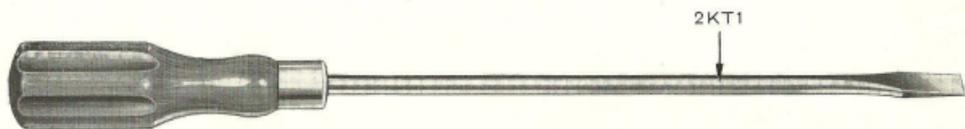
- 11KT1 Type Scale, Point Sizes  
 a11KT1 Type Scale, Didot Sizes

**12KT**

- 12KT1 Plastic Cover, for Keyboard Layout

**Additional Parts for Keyboards equipped with Key Transfer facilities****4KT**

- c4KT1 Paper Reader and Type Body Measure Scale, Point  
 d4KT1 Paper Reader and Type Body Measure Scale, Didot  
 Duplex Keyboard same as above quantities



**PLATE 39**

Additional Parts for Keyboards equipped with Key Transfer facilities

**55KA**

- 55KA1 Actuating Spring (2), for (Key Transfer) Valve
- 55KA2 Stiffener Plate (2)
- 55KA3 Screw (4),  $\frac{1}{8} \times \frac{3}{16}$
- 55KA4 Washer (4)
- X55KA1 Actuating Spring, for (Key Transfer) Valve group; consists of 55KA1(2), 55KA2(2), 55KA3(4), 55KA4(4)

Duplex Keyboard same as above quantities

**56KA**

- 56KA1 Air Pipe, Constant Air Valve Bank, Air Filter to Tee
- 56KA2 Air Pipe, left, Constant Air, Tee to Tee
- 56KA3 Air Pipe, right, Constant Air, Tee to Tee
- 56KA4 Air Pipe, left, Constant Air, Tee to Control Box (Key Transfer)
- 56KA5 Air Pipe, right, Constant Air, Tee to Control Box (Key Transfer)
- 56KA6 Air Pipe, left, Constant Air, Tee to Valve Box (Key Transfer)
- 56KA7 Air Pipe, right, Constant Air, Tee to Valve Box (Key Transfer)
- 56KA8 Air Pipe, left, Signal Air, Valve Box (Key Transfer) to Tee
- 56KA9 Air Pipe, right, Signal Air, Valve Box (Key Transfer) to Tee
- 56KA10 Air Pipe (2), left and right, Signal Air, Tee to Control Box (Key Transfer)
- 56KA11 Air Pipe, left, Signal Air, Tee to Indicator Lamp Switch Box Pressure Trip Switch (Key Transfer)
- 56KA12 Air Pipe, right, Signal Air, Tee to Indicator Lamp Switch Box Pressure Trip Switch (Key Transfer)
- X56KA1 Tee (5)
- X56KA2 Air Pipe group; consists of 56KA1 to 9 inclusive, 56KA10(2), 56KA11 and 12, 56KA13(5)

Duplex Keyboard same as above quantities

**57KA**

- 57KA1\* Control Box, left, (Key Transfer)
- 57KA2 Air Pipe Connector (2)
- 57KA3 Body
- 57KA4 Body Plug, large (2)
- 57KA5 Body Plug, small, lower
- 57KA6 Body Plug, small upper
- 57KA7 Body Screw (4),  $\frac{3}{16} \times 135^*$
- 57KA8 Distance Piece (3)
- 57KA9 Piston
- 57KA10 Screw (3),  $1 \times 1\frac{1}{2}$
- 57KA11 Slide
- 57KA12 Slide Drive Pin, to Piston
- 57KA13 Slide Latch Plate
- 57KA14 Slide Latch Plate Ball
- 57KA15 Slide Latch Plate Knob
- 57KA16 Slide Latch Plate Spring

- 57KA17 Slide Retaining Plate
- 57KA18 Slide Retaining Plate Screw (4),  $\frac{1}{8} \times \frac{3}{16}$
- 57KA19 Valve
- X57KA1 Valve Spring
- Control Box, left, (Key Transfer) group; consists of 57KA1K, 57KA8(3), 57KA10(3)
- \*57KA1K consists of 57KA1, 57KA2(2), 57KA3, 57KA4(2), 57KA5 and 6, 57KA7(4), 57KA9, 57KA11 to 17 inclusive, 57KA18(4), 57KA19 and 20

Duplex Keyboard same as above quantities

**58KA**

- 58KA1\* Control Box, right, (Key Transfer)
- 58KA2 Air Pipe Connector (2)
- 58KA3 Body
- 58KA4 Body Plug, large (2)
- 58KA5 Body Plug, small, lower
- 58KA6 Body Plug, small, upper
- 58KA7 Body Screw (4),  $\frac{3}{16} \times 135^*$
- 58KA8 Distance Piece (3)
- 58KA9 Piston
- 58KA10 Screw (3),  $1 \times 1\frac{1}{2}$
- 58KA11 Slide
- 58KA12 Slide Drive Pin to Piston
- 58KA13 Slide Latch Plate
- 58KA14 Slide Latch Plate Ball
- 58KA15 Slide Latch Plate Knob
- 58KA16 Slide Latch Plate Spring
- 58KA17 Slide Retaining Plate
- 58KA18 Slide Retaining Plate Screw (4),  $\frac{1}{8} \times \frac{3}{16}$
- 58KA19 Valve
- 58KA20 Valve Spring
- X58KA1 Control Box, right, (Key Transfer) group; consists of 58KA1K, 58KA8(3), 58KA10(3)

- \*58KA1K consists of 58KA1, 58KA2(2), 58KA3, 58KA4(2), 58KA5 and 6, 58KA7(4), 58KA9, 58KA11 to 17 inclusive, 58KA18(4), 58KA19 and 20

Duplex Keyboard same as above quantities

**59KA**

- 59KA1K\* Indicator Lamp Switch Box, (Key Transfer)
- 59KA2 Bolt (2),  $\frac{3}{16} \times \frac{1}{2}$ , to Base
- 59KA3 Bolt Nut (2)
- 59KA4 Air Pipe Connector, elbow (2)
- 59KA5 Air Pipe Connector Lock Nut (2)
- 59KA6 Earth Bolt
- 59KA7 Earth Bolt Nut
- 59KA8 Earth Bolt Washer (2)
- 59KA9 Earth Bolt Lock Washer
- 59KA10 Earth Bolt Terminal
- 59KA11 Grommet
- 59KA12 Pressure Trip Switch (2)
- 59KA13 Pressure Trip Switch Bolt (4),  $\frac{1}{8} \times \frac{3}{16}$
- 59KA14 Pressure Trip Switch Bolt Nut (4)

- 59KA15 Pressure Trip Switch Reducer (2)
- 59KA16 Terminal Block, 6-way
- 59KA17 Terminal Block Screw (2),  $\frac{1}{8} \times \frac{1}{2}$
- X59KA1 Indicator Lamp Switch Box, (Key Transfer) group; consists of 59KA1K, 59KA2(2), 59KA3(2), 59KA4(2), 59KA5(2)
- \*59KA1K consists of 59KA1, 59KA6 and 7, 59KA8(2), 59KA9, 10 and 11, 59KA12(2), 59KA13(4), 59KA14(4), 59KA15(2), 59KA16, 59KA17(2)

Duplex Keyboard same as above quantities

**60KA**

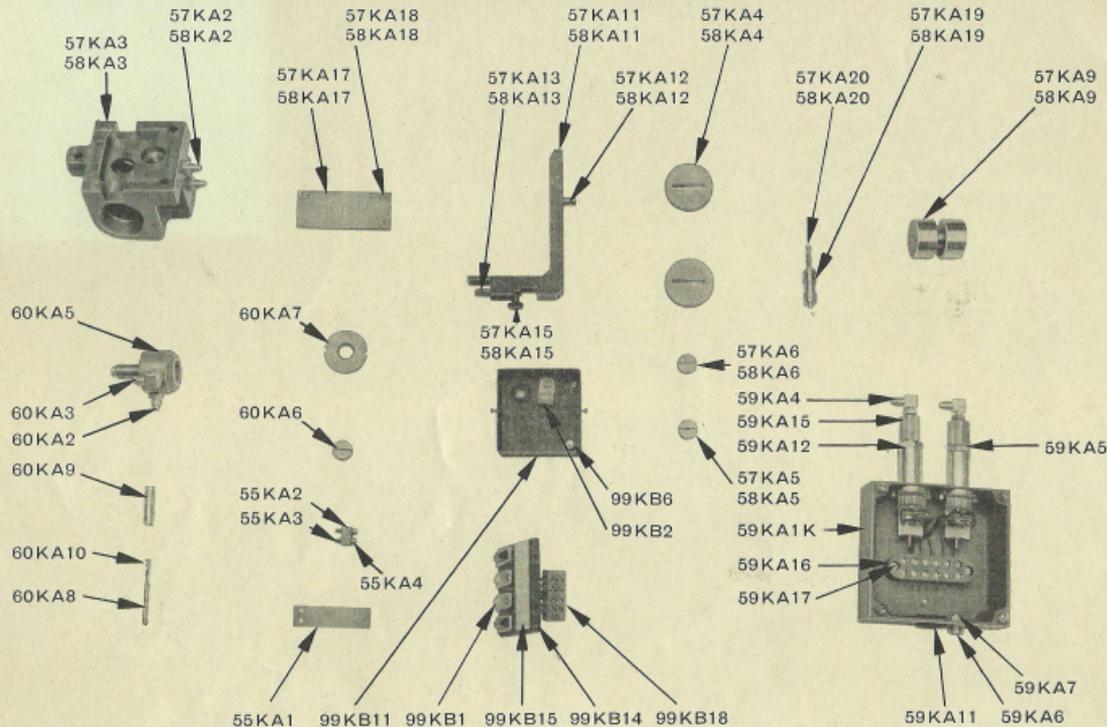
- 60KA1K\* Valve Box (Key Transfer)
- 60KA2 Air Pipe Connector
- 60KA3 Air Pipe Connector, elbow
- 60KA4 Air Pipe Connector Lock Nut
- 60KA5 Body
- 60KA6 Body Plug
- 60KA7 Locking Ring
- 60KA8 Valve
- 60KA9 Valve Bush
- 60KA10 Valve Spring
- X60KA1 Valve Box (Key Transfer) group; each consists of 60KA1K, 60KA2, 3 and 4
- \*60KA1K each consists of 60KA1, 60KA5 to 10 inclusive

Duplex Keyboard same as above quantities

**99KB**

- 99KB1 Indicator Lamp (Key Transfer) (4), specify colour and voltage
- 99KB2 Cable Clip
- 99KB3 Cable Clip Bolt,  $\frac{1}{8} \times \frac{3}{8}$
- 99KB4 Cable Clip Bolt Nut
- 99KB5 Cable Clip Bolt Washer
- 99KB6 Earth Bolt,  $\frac{1}{8} \times \frac{1}{2}$
- 99KB7 Earth Bolt Lock Washer
- 99KB8 Earth Bolt Nut
- 99KB9 Earth Bolt Washer (2)
- 99KB10 Earth Bolt Terminal
- 99KB11 Housing
- 99KB12 Housing Bolt,  $\frac{1}{8} \times \frac{1}{2}$
- 99KB13 Housing Bolt Nut
- 99KB14 Housing Cover
- 99KB15 Housing Cover Marking Strip
- 99KB16 Housing Cover Screw (2), self-tapping
- 99KB17 Housing Grommet
- 99KB18 Terminal Block, 5-way
- X99KB1 Indicator Lamp (Key Transfer), specify voltage, group; consists of 99KB1(4), 99KB2 to 8 inclusive, 99KB9(2), 99KB10 to 15 inclusive, 99KB16(2), 99KB17 and 18

Duplex Keyboard same as above quantities



**PLATE 42**

ONTVANGEN

do 17 SEP. 1968

BEANTWOORD

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