

Please do not upload this copyright pdf document to any other website. Breach of copyright may result in a criminal conviction.

This Acrobat document was generated by me, Colin Hinson, from a document held by the Henlow Signals Museum, believed to be out of copyright. It is presented here (for free) and this pdf version of the document is my copyright in much the same way as a photograph would be. If you believe the document to be under other copyright, please contact me.

The document should have been downloaded from my website <https://blunham.com/Radar>, or any mirror site named on that site. If you downloaded it from elsewhere, please let me know (particularly if you were charged for it). You can contact me via my Genuki email page: <https://www.genuki.org.uk/big/eng/YKS/various?recipient=colin>

You may not copy the file for onward transmission of the data nor attempt to make monetary gain by the use of these files. If you want someone else to have a copy of the file, point them at the website. (<https://blunham.com/Radar>). Please do not point them at the file itself as it may move or the site may be updated.

It should be noted that most of the pages are identifiable as having been processed by me.

I put a lot of time into producing these files which is why you are met with this page when you open the file.

In order to generate this file, I need to scan the pages, split the double pages and remove any edge marks such as punch holes, clean up the pages, set the relevant pages to be all the same size and alignment. I then run Omnipage (OCR) to generate the searchable text and then generate the pdf file.

Hopefully after all that, I end up with a presentable file. If you find missing pages, pages in the wrong order, anything else wrong with the file or simply want to make a comment, please drop me a line (see above).

It is my hope that you find the file of use to you personally – I know that I would have liked to have found some of these files years ago – they would have saved me a lot of time !

Colin Hinson

In the village of Blunham, Bedfordshire.

MODEL 47 TAPE TELEPRINTER

Creed & Company Limited

TELEGRAPH HOUSE
CROYDON, ENGLAND

Telegraphic Address:
CREDO, TELEX, CROYDON

Telephone:
MUNICIPAL 2424

Telex: 28836



INTRODUCTION AND ORDERING INSTRUCTIONS

This Part List has been compiled to assist our customers in identifying and ordering spare parts for the following Teleprinters:—

Transmission		
Model 47B/N3	7½ Unit	}
Model 47C/N3	7 Unit	
		Tape Teleprinter, with 3—row non-storage keyboard.
Model 47B/N4	7½ Unit	}
Model 47C/N4	7 Unit	
		Tape Teleprinter, with 4—row non-storage keyboard, with full or partial shift-lock facility.
Model 47B/CTK	7½ Unit	}
Model 47C/CTK	7 Unit	
		Tape Teleprinter, with Commercial Typewriter Keyboard.
Model 47/R		Tape Teleprinter, Receiving—Only (without keyboard).

Reference to Figs. 4 and 5 will identify the unit to which any required part on the Teleprinter Sub-Assembly is attached, and, by further reference to the illustration of that unit on the page indicated, the name and number of the part may be determined.

Reference should be made to Part List No. 1047K for the name and number of parts of the Type N3 and N4 Keyboard Units, and to Part List No. CTK/1078 (3rd Edition) for details of the Commercial Typewriter Keyboard Unit.

When referring to the lists, it should be noted that the suffix letters "C.P." indicate "a complete part", which is an assembly of two or more smaller parts. The term "unit" is applied, in general, to each distinct section of the mechanism which is mounted on its own sub-base, and may be easily removed as a whole from the machine.

When a customer has several machines in operation, it will be found convenient to hold a complete set of spare units. Should a breakdown occur during a busy period, it is then possible to effect a temporary replacement in a very short time, and carry out the necessary repair or readjustment under more suitable conditions.

NOTE: When a part is being ordered, the following information should be given:—

1. Part Name.
 2. Part Number.
 3. Model of Machine
 4. Machine Serial Number
- } as shown on nameplate.

B or C MODELS

Identification between Teleprinters arranged for $7\frac{1}{2}$ and 7 unit transmission is provided by the distinguishing letters B & C, shown as part of the model number engraved on the nameplate of the machine, e.g. 47B/N3 or 47C/N3.

<i>Model</i>	<i>Transmission</i>	<i>Divide of Receiving Cam</i>
B	$7\frac{1}{2}$ Unit	$6\frac{1}{2}$
C	7 Unit	$6\frac{1}{2}$

All parts shown in this Part List, except where specifically stated, are common to both models B and C Teleprinters.

It is specially requested that care should be exercised when ordering replacement of parts which are NOT common to all models to ensure that the appropriate part numbers are stated.

CONTENTS

	<i>Page</i>
Introduction and Ordering Instructions	3
Identification between B and C Models	4
Models 47/N3, 47/N4 & 47/R Tape Teleprinters	7
Silencing Cover	8
Teleprinter Sub Assembly	11
Main Base	13
Cam Unit	17
Orientation Device	21
Typehead, Combination Head, Control Levers and Gear Unit	23
Typehead Unit	25
Combination Head Unit	27
Control Lever Unit	29
Gear Unit	31
Typehammer Unit	33
Operating Electromagnet Unit	34
Tape Unit	36
Auxiliary Contacts	41
Tape Roll Holder Unit	43
Starter Switch Mechanism Unit	45
Automatic-Start Rockshaft	45
Starter Switch Contacts C.P.	45
Motor and Connection Panel Unit	47
Governor Unit	48
Typical Typehead Arrangement	49
Tools	50
Accessories	51
Numerical Index	52

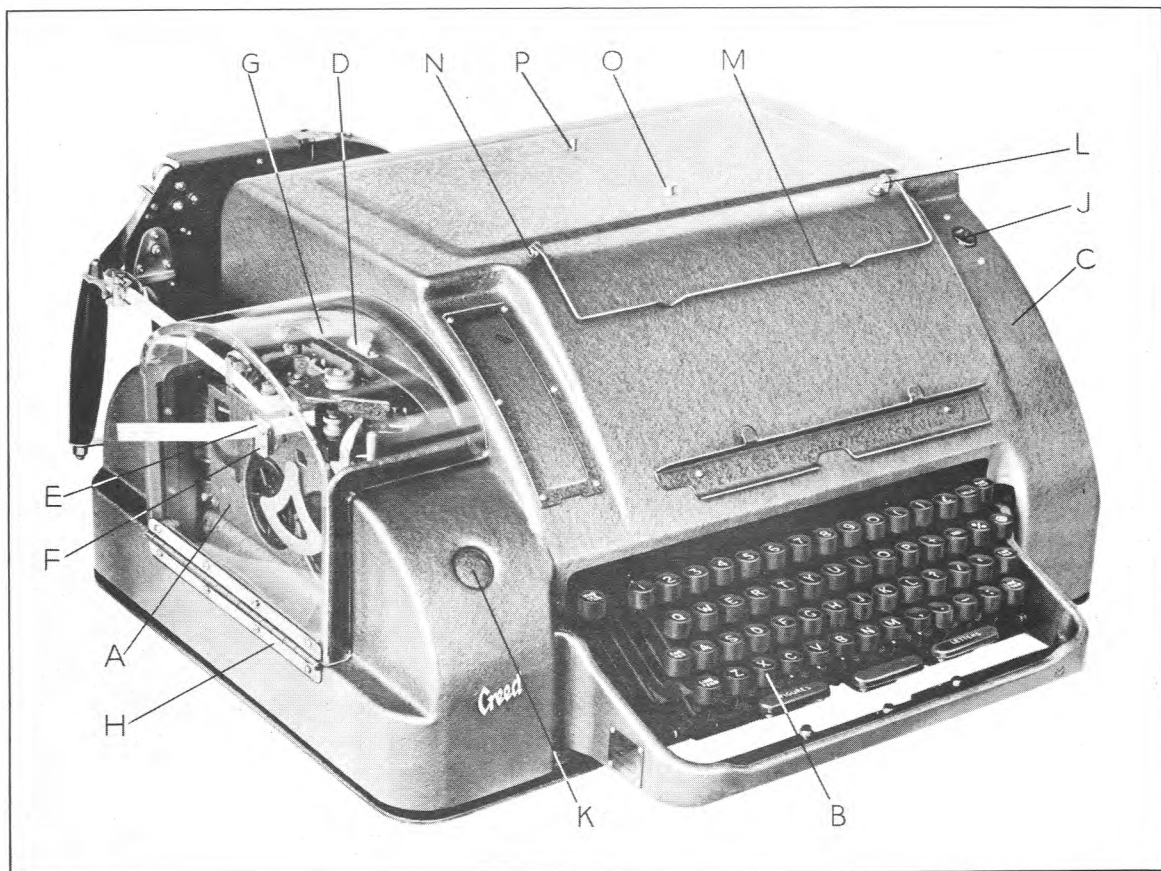


FIG. 1 MODEL 47/N4 TAPE TELEPRINTER (With Silencing Cover)

**MODEL 47 N3, WITH TYPE N3, 3-ROW NON-STORAGE KEYBOARD
MODEL 47 N4, WITH TYPE N4, 4-ROW NON-STORAGE, SHIFT-LOCK KEYBOARD
TAPE TELEPRINTER**

(See Fig. 1)

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>	
A	2840B	TELEPRINTER SUB ASSEMBLY (KBE MOTOR)	} <i>See Page 11</i>
	2840C	TELEPRINTER SUB ASSEMBLY (KBF MOTOR)	
B	2858C	TYPE N3, 3--ROW NON-STORAGE KEYBOARD	} <i>See Part List No. 1047K.</i>
		TYPE N4, 4--ROW NON-STORAGE, SHIFT-LOCK KEYBOARD END OF LINE INDICATOR (optional item)	
	PS4583	Std. Screw	} <i>2 of each per set, for securing Keyboard.</i>
	PW4031	Std. Spring Washer	
C	S3775	SILENCING COVER	<i>See Page 8</i>

MODEL 47R TAPE TELEPRINTER, RECEIVING ONLY

(See Fig. 2)

A	2930A	TELEPRINTER SUB ASSEMBLY (KBE MOTOR)	} <i>See Page 11</i>
	2930B	TELEPRINTER SUB ASSEMBLY (KBF MOTOR)	
	2859/27	Dummy Keyboard	} <i>2 of each per set, for securing Dummy Keyboard.</i>
	PS4583	Std. Screw	
	PW4031	Std. Spring Washer	
C	S3775	SILENCING COVER	<i>See Page 8</i>

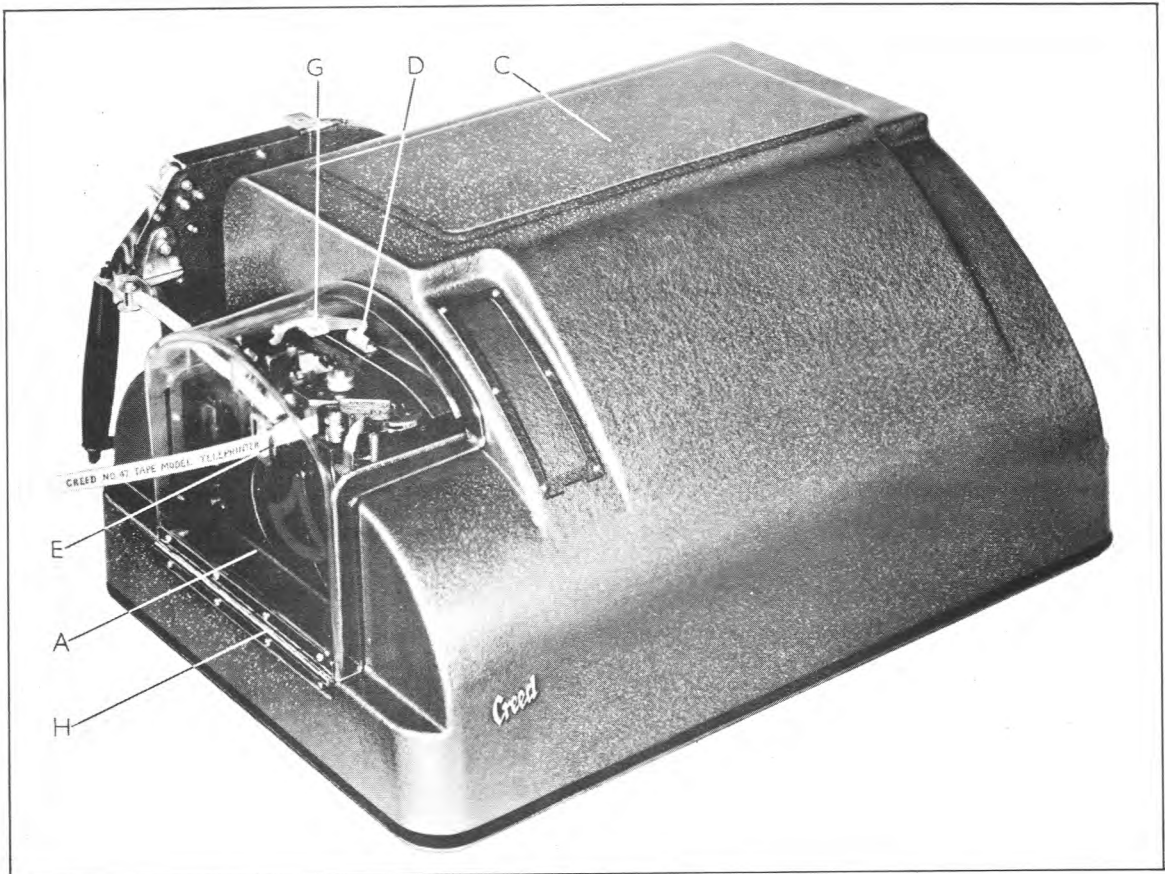


FIG. 2 MODEL 47R TAPE TELEPRINTER (With Silencing Cover)

SILENCING COVER S3775 { Gr. 1 for Models 47/N3 and 47/N4
Gr. 3 for Model 47R

(See Figs. 1 & 2)

Index Letter	Part No.	Part Name
	3775/22A	Push Button (Red)
	3775/21A	Push Button (Green)
	PG5100	Push Button Spring
	3775/80	Button C.P.
	PW5660	Special Washer
	3775/9	Gasket C.P.
	3775/12	Clamp Plate (2 per set)
	PS1691-1	Std. 4BA Screw
	PW1009-1	Std. 4BA Washer
	3775/54	Latch Piece
	3775/50	Clamp Plate
	PS2061-1	Std. 6BA Screw
	PW2037	Std. 6BA Spring Washer
	3775/4	Tape Unit Cover C.P. includes:-
	3775/18	Tape Tear-Off Plate
	3775/19	Clamp Plate
	PS2447-1	Std. 6BA Screw (2 per set)
	3775/52	Latch
	3775/53	Latch Bearing (2 per set)
	3775/55	Flanged Pin
	PS2111-1	Std. 6BA Screw (2 per set) for securing item 3775/53
	3775/17	Clamp Plate
	3775/70	Stop Spring
	PS2082-15	Std. 6BA Brass Screw (4 per set) for securing item 11
	PS2161-1	Std. 6BA Screw
	3775/71	Spacing Collar
	PW1013-1	Std. 6BA Washer
	PN1013-1	Std. 6BA Nut

} 2 of each per set

} 4 of each per set } for securing Gasket

} 2 of each per set } for securing Latch Piece

} for securing item E

} for securing items 3775/17 and 3775/70

SILENCING COVER CONTD. S3775 { Gr. 1 for Models 47/N3 and 47/N4
Gr. 3 for Model 47R

(See Figs. 1 & 2)

Index Letter	Part No.	Part Name
PARTS REQUIRED ONLY FOR MODELS 47 N3 AND 47/N4. (See Fig. 1)		
J	2860/9	Lampholder Plug
	2860/8 or	Lamp Glass (<i>When end of Line Indicator is fitted</i>).
	3775/48	Answer-Back Trip Rod
	3775/45	"Here is" Key Lever
	PS2122-1	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
	PN1013-1	Std. 6BA Nut
		} for securing item 3775/45
K	3775/46	"Here is" Key Button
	PS2057-1	Std. 6BA Screw
	PW2037	Std. 6BA Spring Washer
		} 2 of each per set for securing item K
	PG3144	Torsion Spring
	CS1021	Set Collar and Screw (2 per set) for securing item 3775/48
	2860/39	Paper Holder Bracket (2 per set)
L	PS2082-15	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
	PN1013-1	Std. 6BA Nut
		} 2 of each per set for securing item L
M	2860/44A	Paper Holder
N	2860/40	Special Shouldered Screw (2 per set) for securing item M
	2860/31	Message Tray C P
O	2860/27	Station Indicator C P
	2860/15	Message Tray Fixing Stud
	PW1009-1	Std. 4BA Washer
	PN1009-1	Std. 4BA Nut
		} for securing item O
P	2860/16	Message Tray Location Stud
	PW1013-1	Std. 6BA Washer
	PN1013-1	Std. 6BA Nut
		} for securing item P

SUB BASE

	3775/66	Stop Bracket (2 per set)
	PS2079-1	Std. 6BA Screw (2 per set)
	PS2063-1	Std. 6BA Screw (4 per set)
	3775/15	Tape Roll Bracket (2 per set)
	PS1694-1	Std. 4BA Screw
	PW2026	Std. 4BA Spring Washer
	PW1009-1	Std. 4BA Washer
	3775/67	Guide Spring Bracket
	PS1694-1	Std. 4BA Screw
	PW2026	Std. 4BA Spring Washer
	PW1009-1	Std. 4BA Washer
	2840/23	Guide Spring
	3775/68	Keep Plate
	PS2045-1	Std. 6BA Screw
	PS1676-1	Std. 4BA Screw
	PW2026	Std. 4BA Spring Washer
	PW1009-1	Std. 4BA Washer
	PS1748-1	Std. 4BA Screw
	PN1009-1	Std. 4BA Nut
		} for adjusting item 2840 23
Fig. 4	Q1	2840/25
	Q2	2840/6
	Q3	2840/24
	Q4	CS1022
	Q5	PG7059
	2840/27	Guide Bracket
	PS1694-1	Std. 4BA Screw
	PW2026	Std. 4BA Spring Washer
	PW1009-1	Std. 4BA Washer
	PN1009-1	Std. 4BA Nut
		} 2 of each per set, for securing item Q5
4	R	PS1676-1
	S	PW1009-1
		} securing item Q
	PW5205	Special Washer
	1836.69	Rubber Foot
	PS5535	Special Shouldered Screw
	PW1005-1	Std. 2BA Washer
	PN1005-1	Std. 2BA Nut
		} 4 of each per set

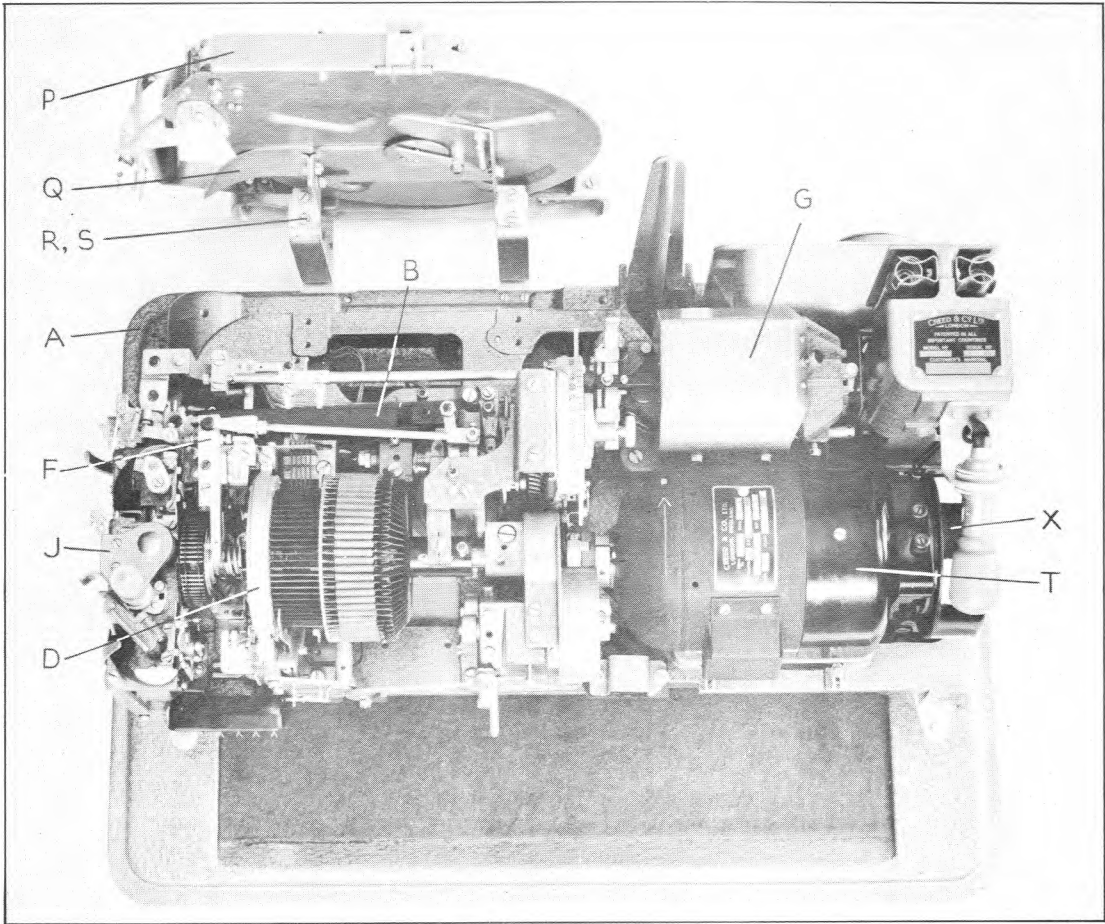


FIG. 3 TELEPRINTER SUB ASSEMBLY, with silencing cover sub-base

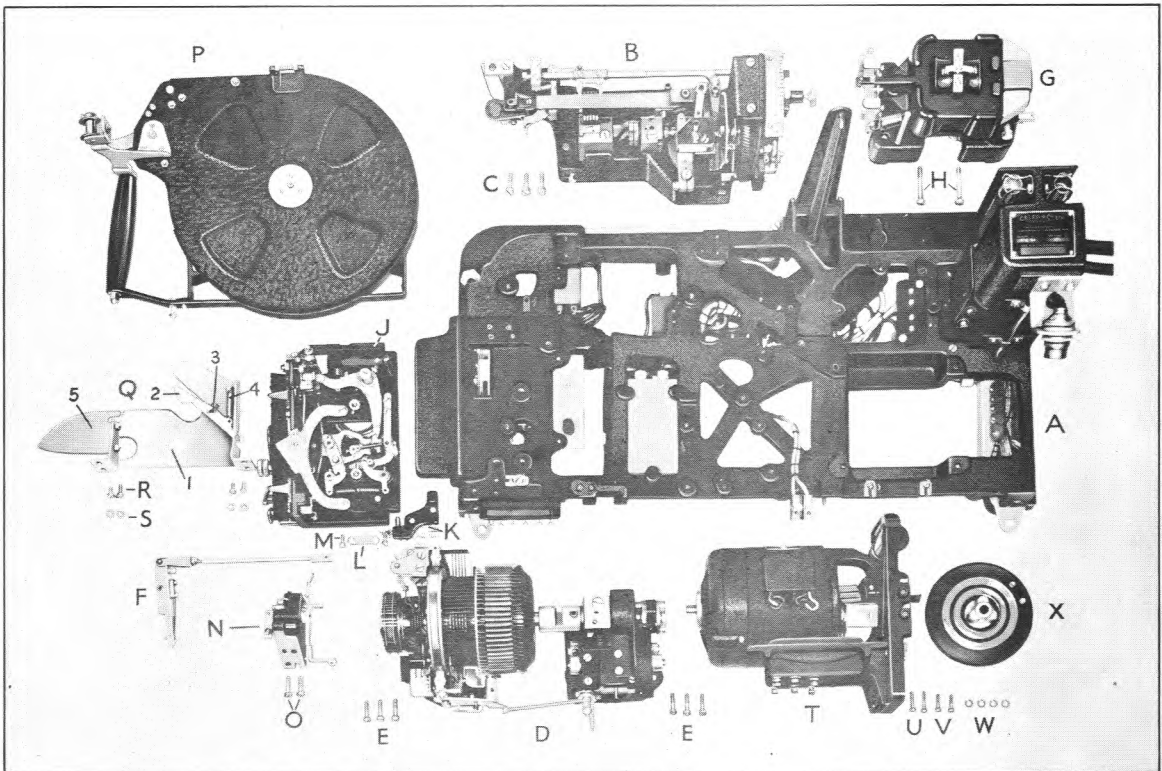


FIG. 4 TELEPRINTER SUB ASSEMBLY COMPONENTS

TELEPRINTER SUB ASSEMBLY { S2840B for MODELS 47/N3 and 47/N4 with KBE Motor
 S2840C for MODELS 47/N3 and 47/N4 with KBF Motor
 S2930A for Model 47R with KBE Motor
 S2930B for Model 47R with KBF Motor

(See Figs. 3 & 4)

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>	
A	S2841B <i>Gr. 1.</i>	BASE ASSEMBLY (for Models 47/N3 and 47/N4)	See Page 13
	S2931A <i>Gr. 1. or</i>	BASE ASSEMBLY (for Model 47R)	See Page 13
B	S2845C <i>Gr. 1.</i>	CAM UNIT	See Page 17
C	PS1354-1	Std. 2BA Screw (3 per set) for securing item B	
D	S2993	TYPEHEAD, COMBINATION HEAD, CONTROL LEVERS AND GEAR UNIT	See Page 23
E	PS1354-1	Std. 2BA Screw (6 per set) for securing item D.	
F	S2853 <i>Gr. 1.</i>	TYPEHAMMER UNIT	See Page 33
G	S2848A	OPERATING ELECTROMAGNET UNIT	See Page 34
H	PS1439-1	Std. 2BA Screw (2 per set) for securing item G	
J	S2850B <i>Gr. 1.</i>	TAPE UNIT	See Page 36
K	2840/2	Tape Unit Hinge (R.H.)	
L	2840/4	Clamp Plate	
M	PS1698-1	Std. 4BA Screw (2 per set) } for securing item K	
N	2841/30	TAPE UNIT HINGE (L.H.) and Paper Failure Alarm Lever C.P.	See Page 41
O	PS1354-1	Std. 4BA Screw (2 per set) for securing item N	
P	S2851A	TAPE ROLL HOLDER UNIT	See Page 43
Q,R,S		Parts of Silencing Cover Base	See Page 8
T	S2846A	MOTOR AND CRADLE C.P. (KBE)	See Page 47
	S2846B <i>or</i>	MOTOR AND CRADLE C.P. (KBF)	See Page 47
U	PS1374-1	Std. 2BA Screw } 2 of each for securing item T	
V	PS1342-1	Std. 2BA Screw }	
W	PW2013	Std. 2BA Spring Washer (4 per set)	
X	S1910	GOVERNOR UNIT	See Page 48

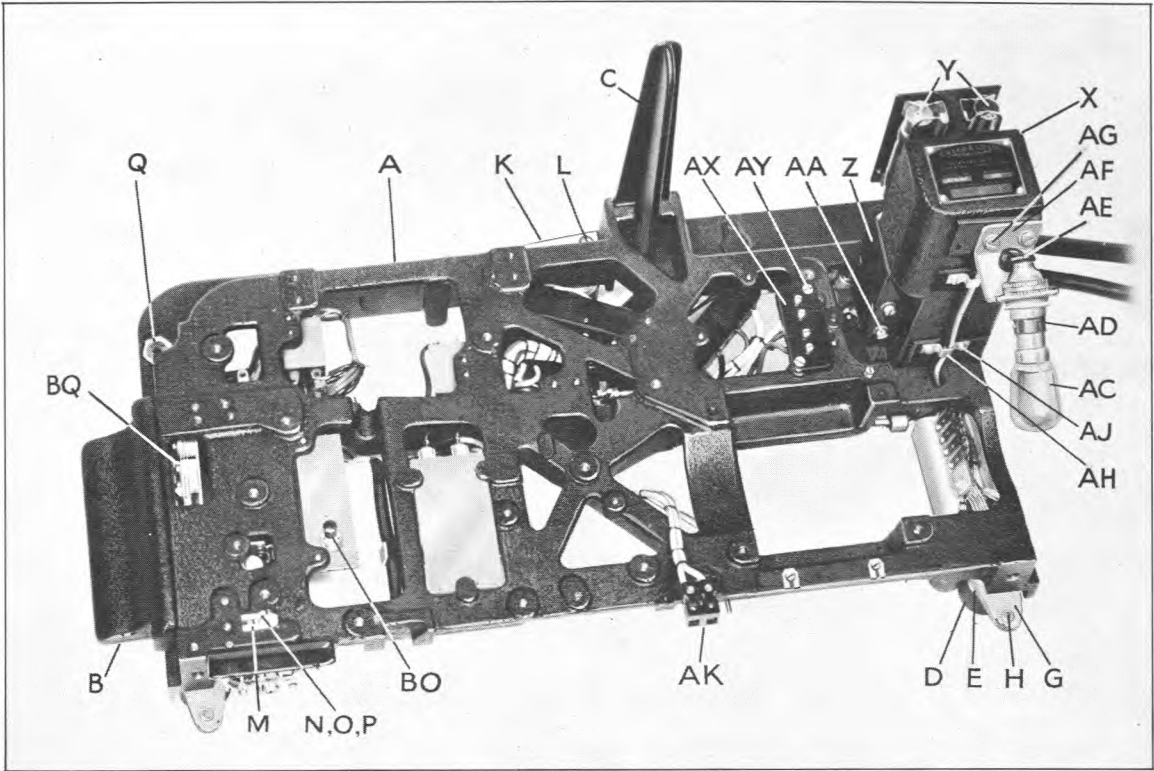


FIG. 5 MAIN BASE and MOTOR CIRCUIT PILLAR UNIT (Top View)

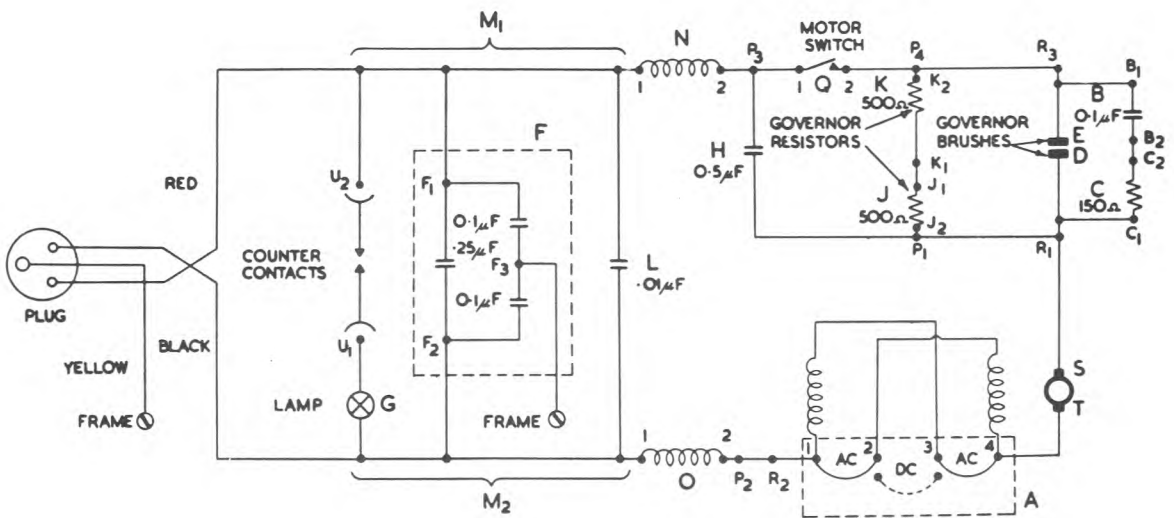


FIG. 5a SCHEMATIC OF MOTOR, GOVERNOR, R.I.S. AND END-OF-LINE INDICATOR LAMP CIRCUIT

MAIN BASE AND MOTOR CIRCUIT PILLAR UNIT

S2841B - for Models 47/N3 and 47/N4

S2931A - for Model 47R

(See Figs. 5, 5a, 6 & 6a)

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>
MAIN CASTING, FEET, ABUTMENTS AND BRACKETS.		
A	2841/1	Base Casting C.P. <i>comprises machined and enamelled casting with all pins driven in.</i>
B	2841/90B	Handle
	PS1322-1	Std. 2BA Screw (4 per set) for securing item B
C	2840/5	Rear Stand
	PS1322-1	Std. 2BA Screw (4 per set) for securing item C
D	1837/36	Cover Foot
	BO3246	Shock Absorber } 4 of each per set
E	3775/42	Spacer
F	PS5609	Shock Absorber Screw } 2 of each per set, for front feet.
	3775/43	Spacer
	PS5662	Shock Absorber Screw } 2 of each per set, for rear feet.
G	2841/26	Abutment Plate (2 per set)
	PS1696-1	Std. 4BA Screw (4 per set)
H	PS6895	Special Screw
J	PN5002	Special Locknut
	PW5486	or Packing Washer (2 per set) for Model 47R only.
M	2840/12	Abutment Plate
N	PS1694-1	Std. 4BA Screw
O	PW1033-1	Std. 4BA Washer
P	PW2025	Std. 4BA Spring Washer
	2319/143	Abutment Plate
	PS2073-1	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
		} Fitting Abutment for Control Lever Unit.
		} 2 of each per set. for positioning Motor and Cradle.
<i>Note. items K, L and Q-W illustrated are not required when the Silencing Cover is fitted.</i>		
GOVERNOR RESISTORS, CAPACITOR, MOTOR R.I.S. AND SWITCH CONTACTS.		
X	S2849 Gr.1.	Motor Circuit Pillar C.P. <i>includes:-</i>
	2849/40 Gr.1.	Governor Resistor Unit <i>includes mounting plate resistor clips, and -</i>
		Resistor (500 ohms) J Fig.5a.
Y	BO2638/1	Resistor (500 ohms) K Fig.5a.
	BO2638/2	or Motor Circuit Pillar C.P. <i>includes:-</i>
X	S2849 Gr.3.	Governor Resistor Unit <i>includes mounting plate, resistor clips, and:-</i>
	2849/40 Gr.2.	Resistor (120 ohms) 2 per set
Y	BO2638/4	Capacitor C.P. <i>includes tag strip and:-</i>
	2849/38	Capacitor (0.5uF)
	BO2649	STARTER SWITCH CONTACTS C.P
Z	2849/14	Std. 4BA Screw
AA	PS1717-1	Std. 4BA Washer
	PW1009-1	Std. 4BA Spring Washer
	PW2026	Inductor Coil (1000uH) 2 per set, O and N Fig.5a.
	BO3235/1	Capacitor (0.25 + 0.1 + 0.1 uF) F Fig.5a.
	BO1840A	Capacitor (0.01uF) L Fig.5a.
	BO1844A	Terminal Block (2 point) M1 and M2 Fig.5a.
	CB1026	Cableform
AB	CF1301	

END OF LINE INDICATOR LAMP (OPTIONAL FITMENT)

AC	BO3118	S B C. Clear Pygmy Lamp (state voltage required) G Fig.5a.
AD	BO3805	S B C Lampholder
<i>(item AE is no longer required)</i>		
AF	2849/6	Lamp Bracket C.P.
AG	PS1687-1	Std. 4BA Screw
	PW1009-1	Std. 4BA Washer
	PW2026	Std. 4BA Spring Washer
		} 2 of each per set, for securing item AF
AH	2849/13	Cable Cleat (2 per set)
AJ	PS2045-1	Std. 6BA Screw (4 per set) for securing items AH
AK	2258/16	Terminal Block
	PS1793-1	Std. 4BA Screw
	PW1009-1	Std. 4BA Washer
	PW2026	Std. 4BA Spring Washer
		} 2 of each per set, for securing item AK

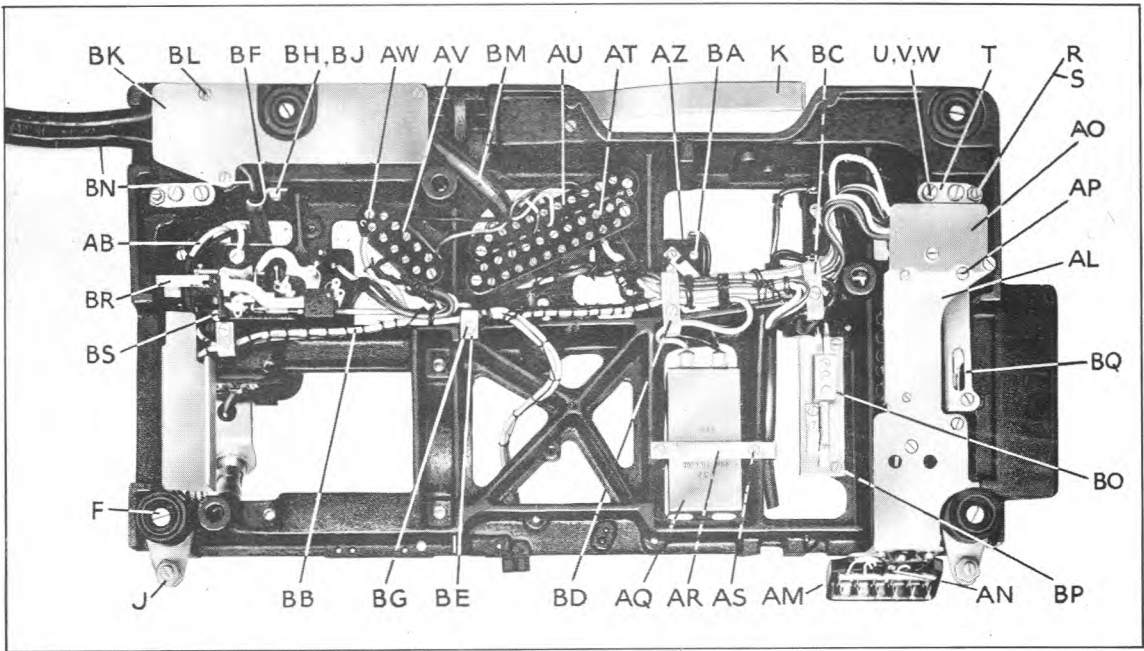


FIG. 6 MAIN BASE and MOTOR CIRCUIT PILLAR UNIT (Underside View)

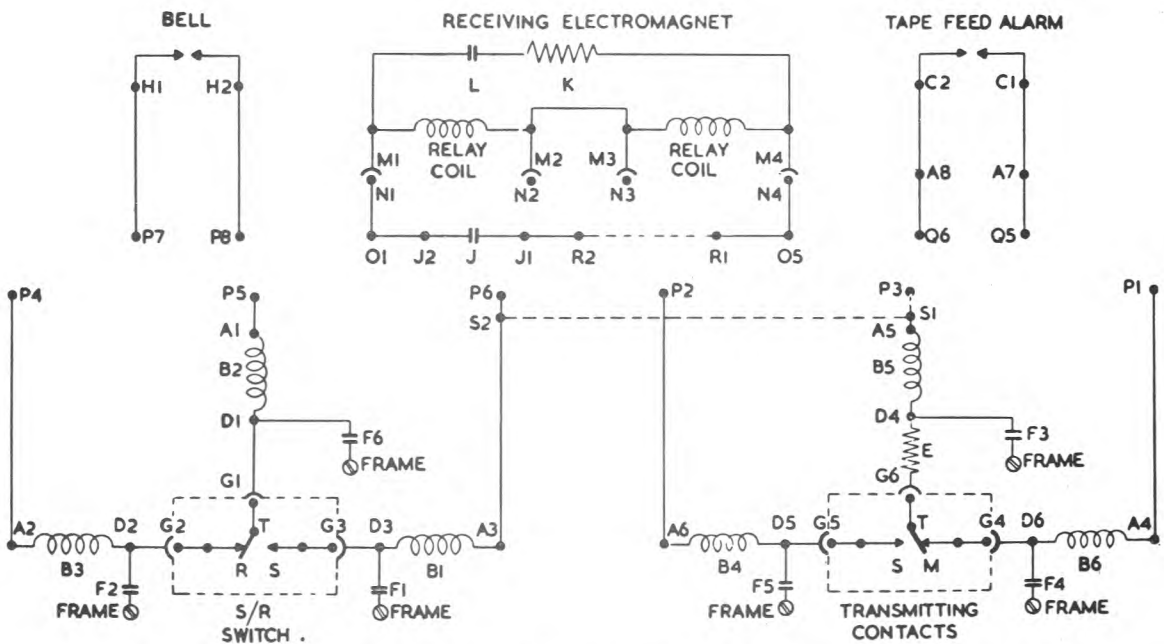


FIG. 6a SCHEMATIC OF SIGNALS CIRCUIT

MAIN BASE AND MOTOR CIRCUIT PILLAR UNIT CONTD.

S2841B - for Models 47/N3 and 47/N4

S2931A - for Model 47R

(See Figs. 5, 5a, 6 & 6a)

Index Letter	Part No.	Part Name
SIGNALS R.I.S. AND KEYBOARD JACK		
AL	2931/1 2841/4	Dummy Signals R.I.S. (for Model 47R. consists of item BQ and mounting plate) or Signals R I S and Keyboard Jack C.P. (for Models 47/N3 and 47/N4) includes item BQ and the following replaceable parts:-
	BO3997/4	Resistor (220 ohms) E Fig.6a.
	BO1844A	Capacitor (0.01uF) 6 per set. F1 to F6 Fig.6a.
	2263/6	Inductor (500uh) 6 per set. B1 to B6 Fig.6a.
AM	2841/13	Keyboard Jack C.P. includes:-
	2841/15	Contact Blade (L.H.)
	2841/16	Contact Blade (R.H.)
AN	PS1712-1	Std. 4BA Screw (2 per set) for securing item 4M
AO	2841/89	Terminal Cover
AP	PS1694-1	Std. 4BA Screw
	PW1009-1	Std. 4BA Washer
	PW2026	Std. 4BA Spring Washer
		} 4 of each per set, for securing items AL and AO

} These quantities can be reduced for single current or when S/R switch omitted.

SIGNAL SHAPING CAPACITOR

AQ	BO2639	Capacitor (0.5uF) J Fig.6a.
AR	2841/25	Capacitor and Cable Cleat
AS	PS1696-1	Std. 4BA Screw (2 per cleat)

TERMINAL BLOCKS

AT	CB1096	Terminal Block, 10 point (engraved with letter 'A')
AU	CB1095	Terminal Block, 10 point (engraved with letter 'B')
AV	CB1094	Terminal Block, 5 point (engraved with letter 'C')
AW	PS1716-1	Std. 4BA Screw (6 per set) for securing items AT, AU and AV
AX	CB1006	Terminal Block (4 pin) for electromagnet, N2 to N4 Fig.6a.
AY	PS1719-1	Std. 4BA Screw (2 per set) for securing item AX
AZ	2841/51	Strapping Block C.P.
	2841/54	Insulator (under item AZ)
BA	PS1740-1	Std. 4BA Screw (4 per set) for securing item AZ

CABLE CORDS, PLUGS AND SOCKETS

BB	CF1299	Cableform
BC	2841/58	Cable Cleat
BD	2841/82	Cable Cleat
BE	2841/83	Cable Cleat (2 per set)
BG	PS1687-1	Std. 4BA Screw (4 per set) for securing items BC, BD, BE

(items BF, BH and BJ are no longer required)

BK	2841/102	Cable Retaining Plate
BL	PS1696-1	Std. 4BA Screw (4 per set) for securing item BK

The following replace items BM and BN illustrated in Fig.7.-

	2841/100	Plug Mounting Bracket
	PS1342-1	Std. 2BA Screw
	PW2013	Std. 2BA Spring Washer
	2841/101	Plug Mounting Plate
	PS1322-1	Std. 2BA Screw
	PW2013	Std. 2BA Spring Washer
	2841/103	Distance Piece Casting
	PS1694-1	Std. 4BA Screw
	PW2026	Std. 4BA Spring Washer
	CD1216A	Plug & Cord Assembly (Internal - for Motor Circuit) includes:-
	CD1558	Cable
	BO2640	Plug (3-way)
	CD1210	Plug & Cord Assembly (Internal - for Signalling Circuit)
	CD1424 Gr.1.	Power Cord Assembly (with Plug)
	CD1424 Gr.2. or	Power Cord Assembly (less Plug)
	BO3296	Socket (3-way)
	CD1423/2	Power Cord (2 ft. length)
	BO2677	Power Plug (3-way) for Gr.1. only.
	BO2670	Socket (3-way) for use with item BO2677
	CD1422 Gr.1	Signal Cord Assembly (with Plug)
	CD1422 Gr.2 or	Signal Cord Assembly (less Plug)
	CD1421/2	Signal Cord (2 ft. length)
	EO2693	Plug (12-way) for Gr.1 only.
	BO2694	Socket (12-way) for use with item BO2693

AUXILIARY CONTACTS

BO	2841 27	BELL SWITCH C.P.	See page 41
BP	PS7041	Special Screw (2 per set) for securing item BO	
BQ	2841/41	PAPER FAILURE ALARM SWITCH C.P.	See page 41
BR	S2842	STARTER SWITCH MECHANISM C.P.	See page 45
BS	PS1708-1	Std. 4BA Screw (2 per set) for securing item BR	
	2841/50	Rockshaft Bearing (not visible)	
	PS1708-1	Std. 4BA Screw (2 per set) for securing item 2841/50	

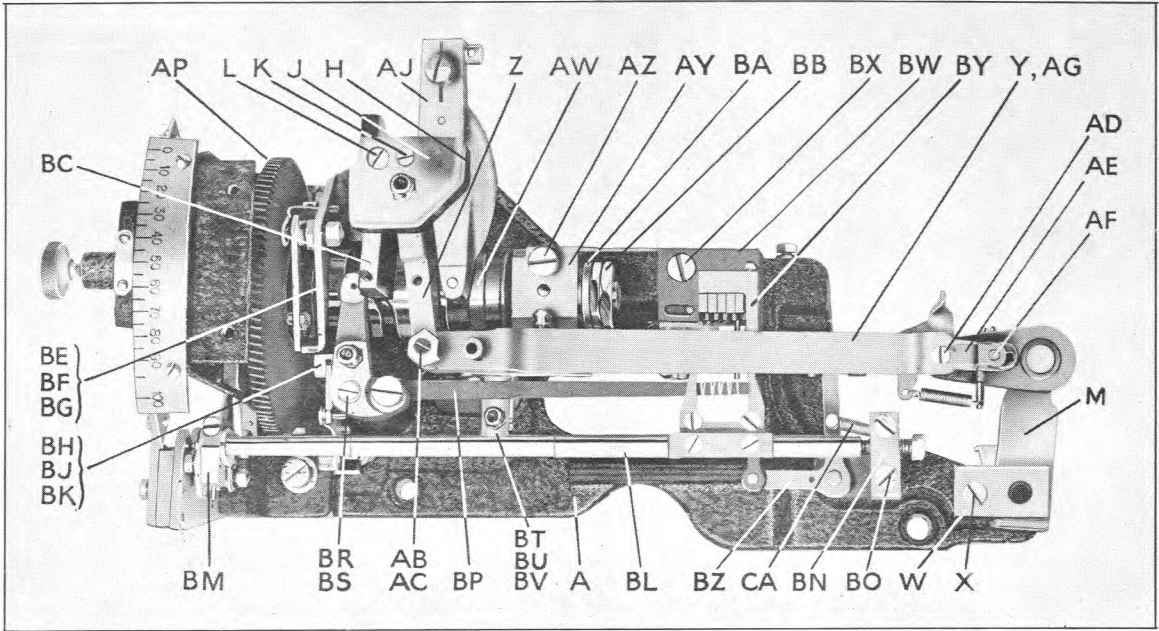


FIG. 7 CAM UNIT

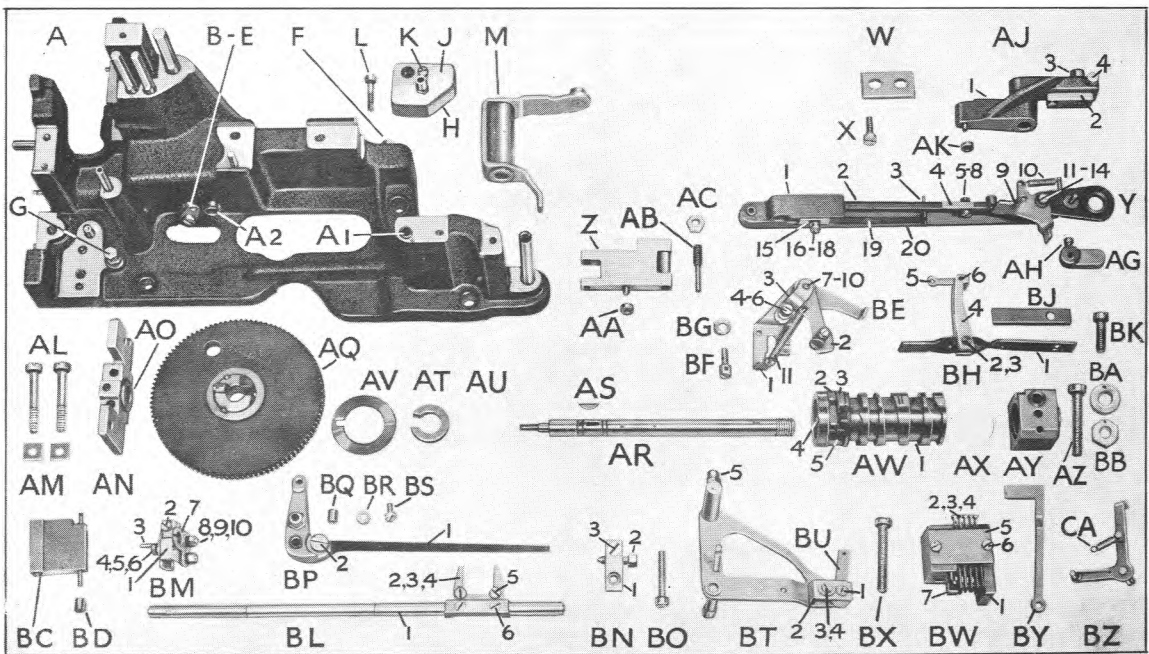


FIG. 8 CAM UNIT COMPONENTS

CAM UNIT S2845C GR.1

(See Figs. 7 and 8)

Index Letter	Part No.	Part Name
<i>BASE CASTING AND ASSOCIATE PARTS</i>		
A	2845/1A Gr.1.	Cam Unit Casting C.P., <i>comprises machined casting with pins driven in, items F, H, L, X and includes:-</i>
A1	PB1045	Parallel Bush (for item BZ)
A2	PB1017	Parallel Bush (for item BT)
B	PK2002	Spring Clip
C	PB1047	Collar
D	PS1729-1	Std. 4BA Screw
E	PW1009-1	Std. 4BA Washer
F	PS5032	Special 4BA Screw
	PN1509-1	Std. 4BA Locknut
G	PG5067	Compression Spring
	PS5102	Special 4BA Screw
	PW1009-1	Std. 4BA Washer
	PW2026	Std. 4BA Spring Washer
	PN1509-1	Std. 4BA Locknut
H	1830/44A	Cam Lever Plate
	PF1050	Felt Lubricator Pad (inside item H)
	1830/106	Oil Pot
	PS2061-1	Std. 6BA Screw
L	PS1777-1	Std. 4BA Screw (for securing item H)

TRAVERSING LINK AND ASSOCIATE PARTS

M	2845/138A	Traversing and Paper Alarm Lever C.P.
	PW5277	Shim (.005")
	PW5591	Shim (.003")
W	1830/59	Traversing and Paper Alarm Lever Plate
X	PS1729-1	Std. 4BA Screw (for securing item W)
Y	2845/131 Gr.1.	Traversing Link C.P. <i>comprises items AD, AE, AF and:-</i>
Y1	2845/21	Traversing Link Sub C.P.
Y2	1830/57	Bearing Spring (flat bearing strip for item Y3)
Y3	PP8552	Finger Setting Pin
Y4	2845/24	Spring Guide
Y5	PS2077-1	Std. 6BA Screw
Y6	PW1013-1	Std. 6BA Washer
Y7	PW2037	Std. 6BA Spring Washer
Y8	PN1513-1	Std. 6BA Locknut
Y9	1830/74	Finger Resetting Trip Bellcrank
Y10	PG7100	Tension Spring (for item Y9)
Y11	PS2067-1	Std. 6BA Screw
Y12	PW2037	Std. 6BA Spring Washer
Y13	PW1037-1	Std. 6BA Washer
Y14	PB1135	Collar
Y15	1830/56	Spring Clamping Plate (has clearance hole)
Y16	PS5518	Special Screw
Y17	PW2038	Std. 6BA Spring Washer
Y18	1830/55	Clamping Strip (has tapped hole)
Y19	PG2009A	Flat Spring (backing spring for item Y20)
Y20	PG2010A	Flat Spring (for restoring item Y3)
Z	2845/107A	Traversing Lever C.P. <i>includes:-</i>
	PW5484	Shim (.005")
	PW5590	Shim (.003")
AA	RL1002	Cam Roller (for item Z)
AB	PP5530	2BA Screwed Pin
AC	PN1505-1	Std. 2BA Locknut
AD	PS2061-1	Std. 6BA Screw
AE	2845/28	Roller Retainer
AF	RL1088	Roller
AG	2845/153	Traversing Link Retaining Arm C.P. <i>includes:-</i>
AH	PS2093-1	Std. 6BA Screw

CAM UNIT S2845C GR.1 CONTD.

(See Figs. 7 and 8)

Index Letter	Part No.	Part Name
BELLCRANK LIFT		
AJ	1830/35A	Bellcrank Lifting Lever C.P. comprises:-
AJ1	1830/98	Bellcrank Lifting Lever Sub C.P.
AJ2	1830/34	Lifting Block
AJ3	EC5008A	Eccentric Stud C.P.
AJ4	PS1735-1	Std. 4BA Capstan Head Screw (for clamping item AJ3)
AK	RL1002	Cam Roller (for item AJ)
CAM, SHAFT, GEAR AND BEARINGS		
AL	PS1777-1	Std. 4BA Screw (2 per set) for securing item AN
AN,AY	2845/160B	Camshaft Bearing C.P. (Front and Rear) each includes:-
AO	2845/97	Oil Impregnated Flanged Bush
AP	2845/144A	Camshaft C.P. comprises:-
AQ	GR2124A	Helical Gear (10+ teeth)
AR	2845/140B	Camshaft
	PS6099	Special Screw
	PW2026	Std. 4BA Spring Washer } in place of item AS illustrated.
AT	1660/786	Shock Absorber Spring
AU	1830/14C	Ratchet C.P.
	PW5493	Shim (015")
	PW5494	Shim (010") } 2 of each per set max.
AV	1830/82	Thrust Washer
AW	2845/99C	Receiving Cam C.P. comprises:-
AW1	2845/100	Cam Sub C.P.
AW2	1830/110A	Pawl (1 pair)
AW3	1160/693B	Pawl Distance Piece
AW4	PP7547	Shouldered Pin (Pawl Pivot Pin)
AW5	PG3027B	Pawl Spring C.P.
AX	2845/98	Cam Thrust Washer
AZ	PS1439-1	Std. 2BA Screw
	PW2013	Std. 2BA Spring Washer } for securing item AY
	2845/185	Spacing Washer C.P. includes:-
BA	2845/142	Spacing Washer
	PP1063	Parallel Pin (for pinning item BA to item BB)
BB	2845/141	Special ⁵ / ₁₆ " B.S.F. Locknut (2 per set)
TYPEHAMMER LEVER		
BC	1830/43	Typehammer Lever C.P. includes:-
	CS1101	Set Collar and Screw
BD	RL1008	Cam Roller (for item BC)
CAM RETENTION AND DETENT		
BE	2845/132A Gr.1.	Retention Lever Bracket C.P. comprises:-
BE1	2845/116A	Retention Lever Bracket
BE2	2845/110A	Retention Lever C.P. comprises:-
	2845/115A	Retention Lever Sub C.P.
	RL1058	Roller
	2845/111	Roller Clip
	PS2462-1	Std. 8BA Screw
	PW1017-1	Std. 8BA Washer
	PN1517-1	Std. 8BA Locknut } for securing Roller Clip
	2845/169	Oil Pad Holder
	2845/168	Oiling Pad
	PW1017-1	Std. 8BA Washer
	PW2050	Std. 8BA Spring Washer } for securing Oil Pad Holder
	PN1017-1	Std. 8BA Nut
	CS1027	Set Collar and Screw (for retaining item BE2, in place of items BE3-6 illustrate.
BE7	EC1512	Eccentric
BE8	PW1009-1	Std. 4BA Washer
BE9	PW2025	Std. 4BA Spring Washer
BE10	PN1009-1	Std. 4BA Nut
BE11	PG7346	Tension Spring (for item BF2)
BF	PS1704-1	Std. 4BA Capstan Head Screw
BG	PW1009-1	Std. 4BA Washer
BH	2845/127	Detent Shock Absorber C.P. comprises -
BH1	1830/15C	Detent Shock Absorber
BH2	PP7552	Shouldered Pin } pivot for item BH4
BH3	23956A	Locking Ring
BH4	1830/12D	Detent
BH5	2845/78	Detent Connecting Link
BH6	PP1094	Parallel Pin (for item BH5)
BJ	1830 18A	Detent Spring Strip
BK	PS1374-1	Std. 2BA Screw

CAM UNIT S2845C GR.1 CONTD.

(See Figs. 7 & 8)

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>	
TRIP SHAFT			
BL	2845/134B	Trip Shaft C.P. <i>comprises:-</i>	
BL1	2845/6	Trip Shaft Sub C.P.	
BL2	1830/149	Striker Blade Guide (<i>upper</i>)	
BL3	1830/150	Spacer	
BL4	1830/148	Striker Blade Guide (<i>lower</i>)	
BL5	PS2042-1	Std. 6BA Screw	} 2 of each per set
BL6	PS2063-1	Std. 6BA Screw	
BM	2845/181	Detent Link Lever	} <i>In place of item BM illustrate</i>
	1830/158	Special Screw	
	PW5589	Special Washer	
	2845/183	Trip Shaft Operating Lever C.P. <i>includes:-</i>	
	1830/158	Special Screw	
BN	2845/130	Trip Shaft Bearing C.P. <i>comprises:-</i>	
BN1	1830/142	Bearing Block	
BN2	PS6826	Cone Pointed Screw	
BN3	PS6827	Special Screw (<i>for clamping item BN2</i>)	
BO	PS1777-1	Std. 4BA Screw (<i>for securing item BN</i>)	
FINGER SETTING BLADE			
BP	1830/39	Finger Setting Blade C.P. <i>includes:-</i>	
BP1	1830/36	Finger Setting Blade	
BP2	PS1322-1	Std. 2BA Screw	
	1830/107	Oil Pot C.P.	
BQ	RL1008	Roller (<i>for item BP</i>)	
BR	PW1085-1	Std. 6BA Washer	} <i>for retaining item BP</i>
BS	PS2061-1	Std. 3BA Screw	
COMB SETTING LEVER			
BT	2845/133	Comb Setting Lever C.P. <i>includes:-</i>	
BT1	EC5003A	Eccentric Pin C.P. (<i>for finger lift adjustment</i>)	
BT2	1830/68A	Finger Adjusting Pin Clamp	
BT3	PW5084	Special Washer	
BT4	PS2111-1	Std. 6BA Screw	
BT5	1830/107	Oil Pot C.P.	
	RL1027	Cam Roller	
BU	1925/4	Operating Link	
BV	PW5010	Special Washer (<i>Spacing Washer on pivot of item BT5</i>)	
COMB SETTING FINGER BLOCK AND FINGER RESETTING			
BW	2845/112 <i>Gr.1.</i>	Comb Setting Finger Block C.P. <i>comprises:-</i>	
BW1	1830/102A	Comb Finger Block Sub C.P.	
BW2	1830/27	Comb Setting Finger (<i>5 per block</i>)	
	1830/177	Set of Comb Setting Finger Springs <i>comprises:-</i>	
BW3	PG2029	Comb Setting Finger Spring (<i>10 per set</i>)	
BW4	1830/176	Comb Finger Bearing (<i>5 per set</i>)	
BW5	1300/8	Comb Setting Finger Front Plate	
BW6	PS2061-1	Std. 6BA Screw (<i>2 per set</i>) <i>for securing item BW5</i>	
BW7	1830/95	Comb Finger Plunger C.P.	
BX	PS1439-1	Std. 2BA Screw (<i>for securing item BW</i>)	
BY	1300/258	Setting Link	
BZ	1830/47 <i>Gr.1.</i>	Resetting Link Lever C.P.	
CA	PG7139	Tension Spring (<i>for item BZ</i>)	

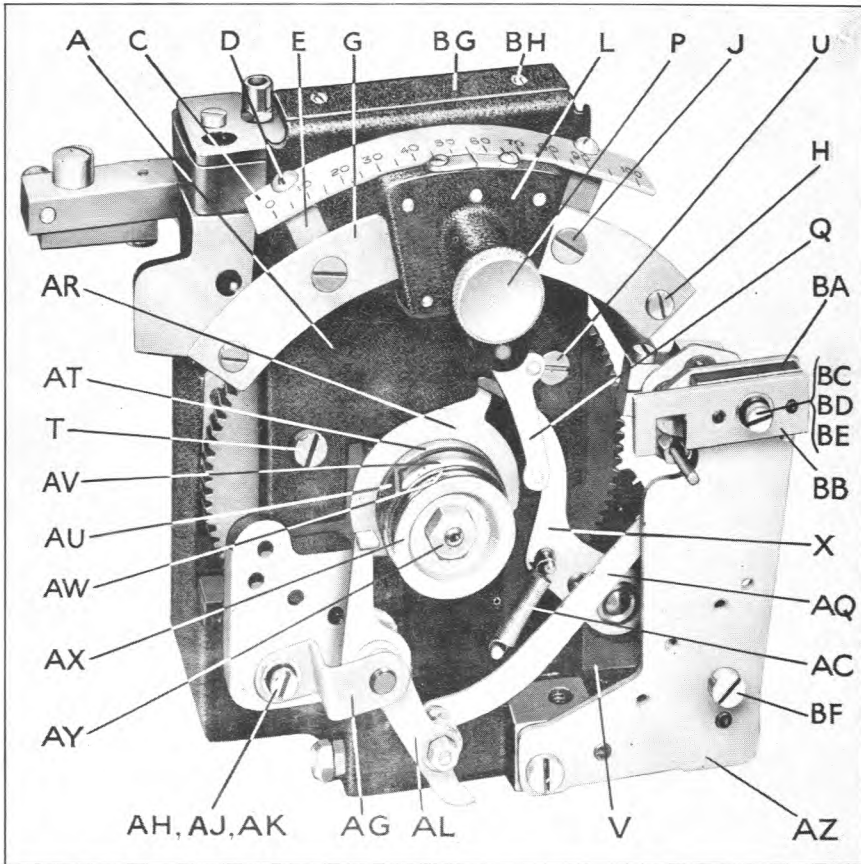


FIG. 9 ORIENTATION DEVICE

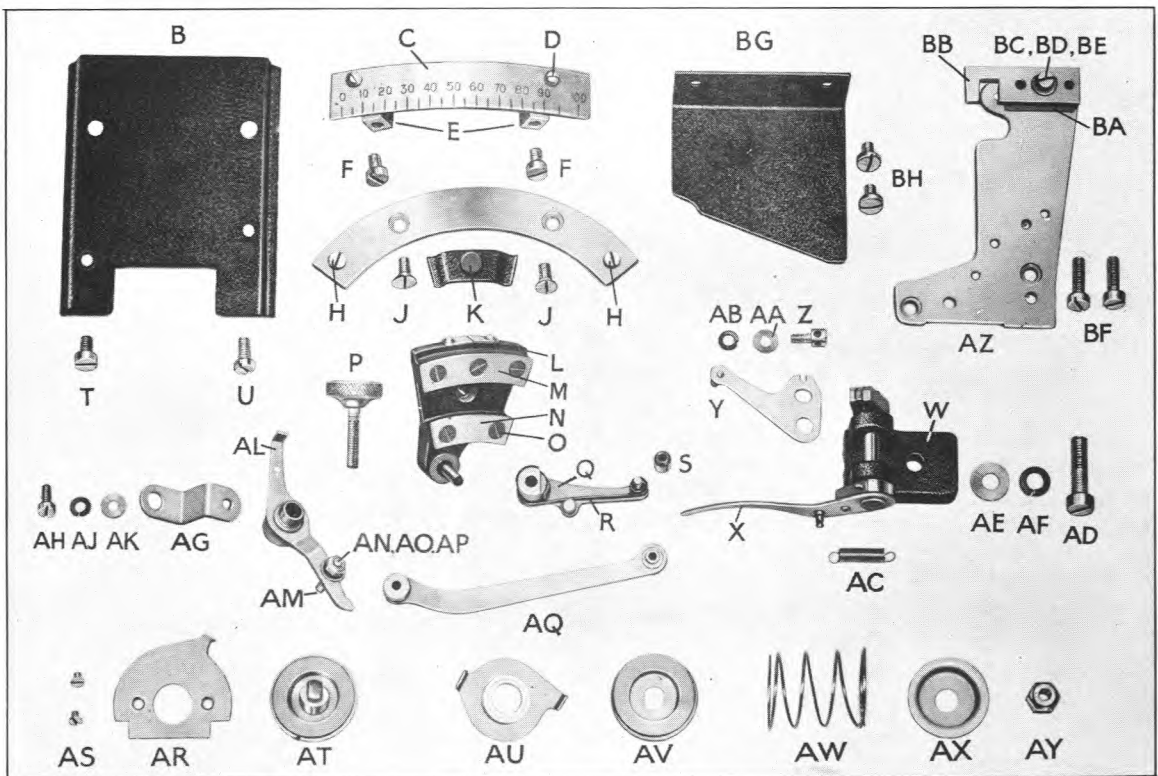


FIG. 10 ORIENTATION DEVICE COMPONENTS

ORIENTATION DEVICE (Part of Cam Unit S2845C)

(See Figs. 9 & 10)

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>
ORIENTATION ADJUSTING BLOCK		
A	2845/136 Gr. 1.	Adjusting Block Bracket C.P. comprises:-
B	2845/45	Support Plate C.P.
C	2845/158	Orientation Scale (Replacing Scale illustrated)
D	PS5289	Special Screw (2 per set) for securing item C
E	2845/42	Guide Support Block (2 per set)
F	PS1676-1	Std. 4BA Screw (behind item B, for securing item E)
G	2845/43	Adjusting Block Guide
H	PS2029-1	Std. 6BA Screw (2 per set) Stops for item L
J	PS1678-1	Std. 4BA Screw (2 per set) for securing item G
K	2845/32	Adjusting Block Friction Spring C.P.
L	2845/37	Adjusting Block C.P.
M	2845/40	Retaining Plate (top)
N	2845/31	Retaining Plate (bottom)
O	PS2079-1	Std. 6BA Screw (5 per set) for securing items M & N
P	PS6893	Knurled Head Screw (Clamping Screw for item L)
	2845/161	Orientation Link and Spring C.P. includes:-
	2845/162	Orientation Link
	PG7328	Orientation Link Spring
	2845/165	Clamp Plate
	PS2509-1	Std. 8BA Screw for securing Link and Spring
	PN1017-1	Std. 8BA Nut
	EC5057	Eccentric Roller Pivot Pin
	2845/163	Special 6BA Nut
	PW2037	Std. 6BA Spring Washer
	PW5190	Special Washer
S	RL1008	Roller (for item 2845/162)
T	PS1676-1	Std. 4BA Screw
U	PS6909	Special 4BA Screw
		} for securing item A to Cam Unit Front Bearing
RECEIVING CAM DETENT RELEASE		
V	2845/135 Gr. 1.	Release Lever Bracket C.P. comprises:-
W	2845/9	Release Lever Bracket Sub C.P. includes:-
	3010/6	Oil Impregnated Parallel Bush (2 per set)
	PP6670A	Release Lever Spindle
X	2845/164	Cam Release Lever and Bush C.P.
Y	2845/71	Release Adjustment Lever C.P.
Z	PS2072-1	Std. 6BA Screw
AA	PW1013-1	Std. 6BA Washer
AB	PW2037	Std. 6BA Spring Washer
	2845/94A	Adjustment Lever Boss
	PS2526-1	Std. 8BA Screw
	PW2050	Std. 8BA Spring Washer
	PW1017-1	Std. 8BA Washer
AC	PG7299	Tension Spring (for item X)
AD	PS1374-1	Std. 2BA Screw
AE	PW1005-1	Std. 2BA Washer
AF	PW2013	Std. 2BA Spring Washer
		} for securing item V to Cam Unit Casting
PILOT CAM DETENT AND LINK		
AG	2845/49	Detent Retaining Plate
AH	PS2093-1	Std. 6BA Screw
AJ	PW1013-1	Std. 6BA Washer
AK	PW2038	Std. 6BA Spring Washer
AL	2866/12A	Pilot Cam Detent C.P.
	PW5519	Oil Impregnated Washer (2 per set)
AM	PS5612	Pivot Screw
	PW5569	Shim (.015")
AN	PW2037	Std. 6BA Spring Washer
AO	PW1013-1	Std. 6BA Washer
AP	PN1013-1	Std. 6BA Nut
AQ	2845/122A	Detent Lever Link
	PW5519	Oil Impregnated Washer (2 per set)
	PS5613	Pivot Screw
	PW5569	Shim (.015")
	PW2037	Std. 6BA Spring Washer
	PN1013-1	Std. 6BA Nut
		} For connecting item AQ to Detent Link Lever (Item BM on Page 19)
PILOT CAM		
AR	2845/44A	Retaining Ring
AS	PS2079-1	Std. 6BA Screw (2 per set) for securing item AR
	2845/148A	Set of Clutch Plates and Pilot Cam C.P. comprises:-
	2845/146A	Clutch Body and Plate C.P.
AT	2845/54A	Pilot Cam C.P.
AU	2845/54A	Clutch Plate C.P.
AV	2845/29A	Clutch Plate C.P.
AW	PG3126	Clutch Spring
AY	2845/36	Clutch Nut (item AX illustrated is no longer required)
TRIP SHAFT SUPPORT PLATE AND GEAR COVER		
AZ	2845/61A	Trip Shaft Support Plate C.P.
	PS1717-1	Std. 4BA Screw (2 per set)
	2845/167	Gear Cover
	PS5367	Special Screw (2 per set)
		} In place of items AZ-BH illustrated

In place of items Q & R illustrated

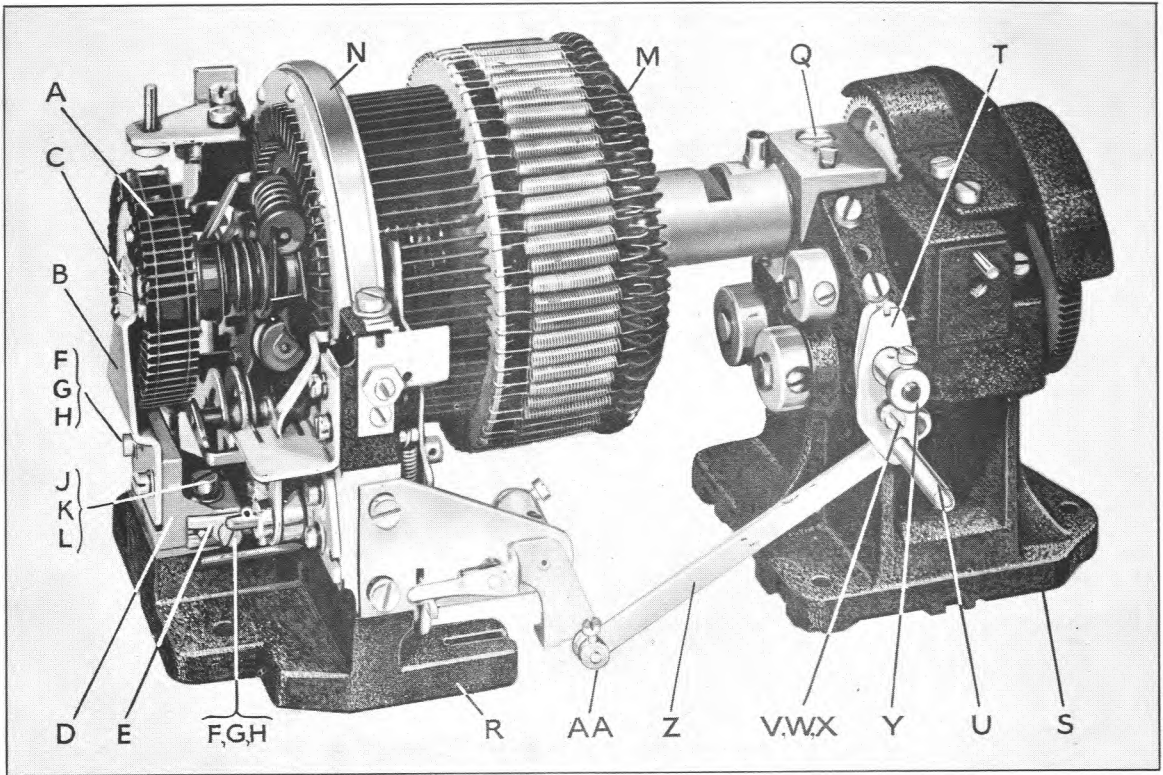


FIG. 11 TYPEHEAD, COMBINATION HEAD, CONTROL LEVERS AND GEAR UNIT

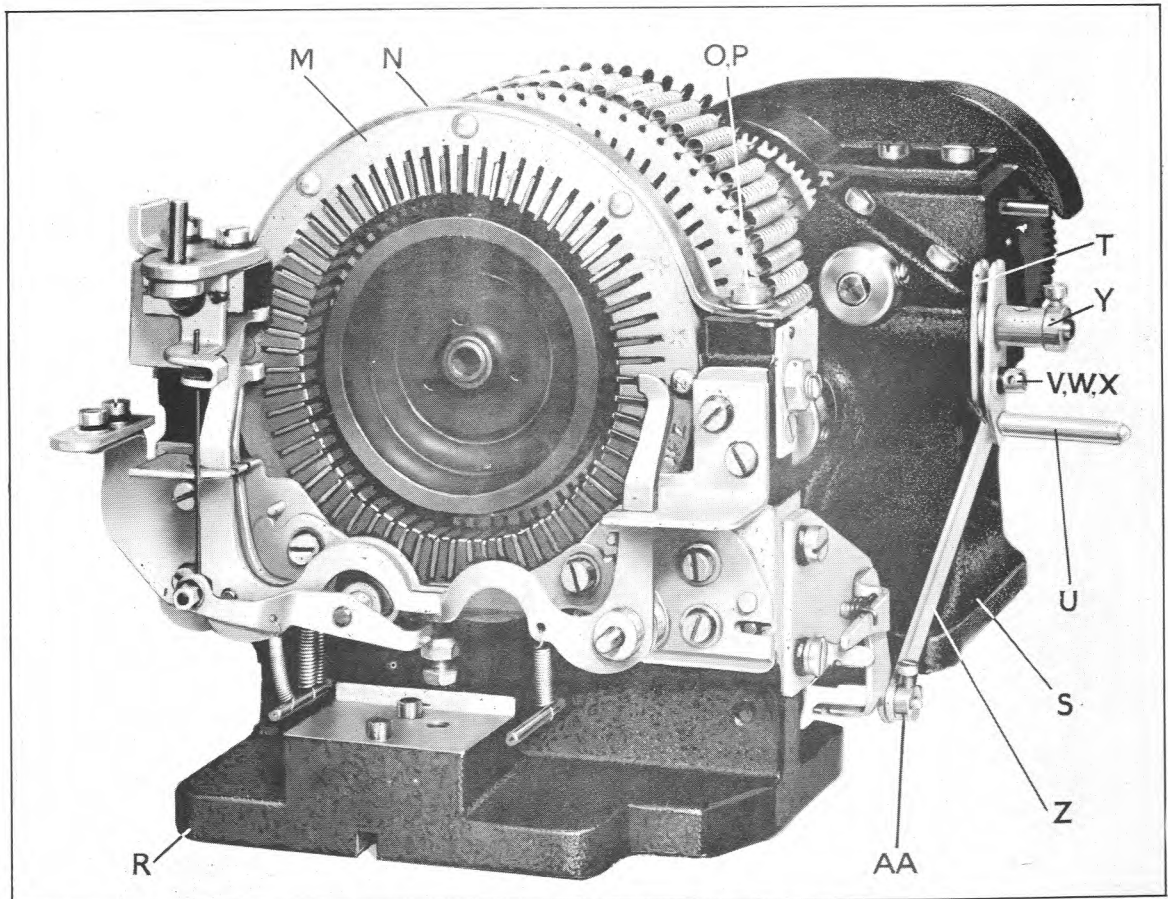


FIG. 12 COMBINATION HEAD, CONTROL LEVERS AND GEAR UNIT

TYPEHEAD, COMBINATION HEAD, CONTROL LEVERS AND GEAR UNIT S2993*(See Figs. 11 & 12)*

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>	
A	S2852	TYPEHEAD UNIT	<i>See page 25</i>
	2840/32	* Typehead Front Bearing Bracket C.P. <i>comprises:-</i>	
B	2840/13	Typehead Bearing Plate C.P. <i>includes:-</i>	
C	3010/6	Oil Impregnated Bush	
D	2840/16	* Typehead Bearing Bracket C.P.	
E	2319/143	Abutment Plate	
F	PS2061-1	Std. 6BA Screw	} <i>3 of each per set, for securing items B and E to item D</i>
G	PW1061-1	Std. 6BA Washer	
H	PW2037	Std. 6BA Spring Washer	
J	PS1740-1	Std. 4BA Screw	} <i>for securing item D to Control Lever Unit casting</i>
K	PW1033-1	Std. 4BA Washer	
L	PW2025	Std. 4BA Spring Washer	
M	S2843	COMBINATION HEAD UNIT	<i>See page 27</i>
N	1826/23	Clamp Strap	
O	PS1694-1	Std. 4BA Screw	} <i>2 of each per set, for securing item N.</i>
P	PW1033-1	Std. 4BA Washer	
Q	PS1200-1	Std. 1BA Screw	
R	S2844 S2933	CONTROL LEVER UNIT	<i>See page 29</i>
S	S2847A S2934	GEAR UNIT	<i>See page 31</i>

PARTS REQUIRED WHEN ANSWER-BACK UNIT IS FITTED

T	2847/16	Answer-Back Operating Lever C.P.
U	2847/14	Adjustable Answer-Back Operating Lever C.P.
V	PS2072-1	Std. 6BA Screw
W	PW1013-1	Std. 6BA Washer
X	PW2037	Std. 6BA Spring Washer
Y	CS1041	Set Collar and Screw
Z	2862/16	Answer-Back Release Link (<i>in place of Link illustrated</i>)
AA	CS1013	Set Collar and Screw

* NOTE: *When these items are supplied as spares, item B is not steady-pinned to item D. This must be done on assembly in order to align the bush item C with the type-head shaft.*

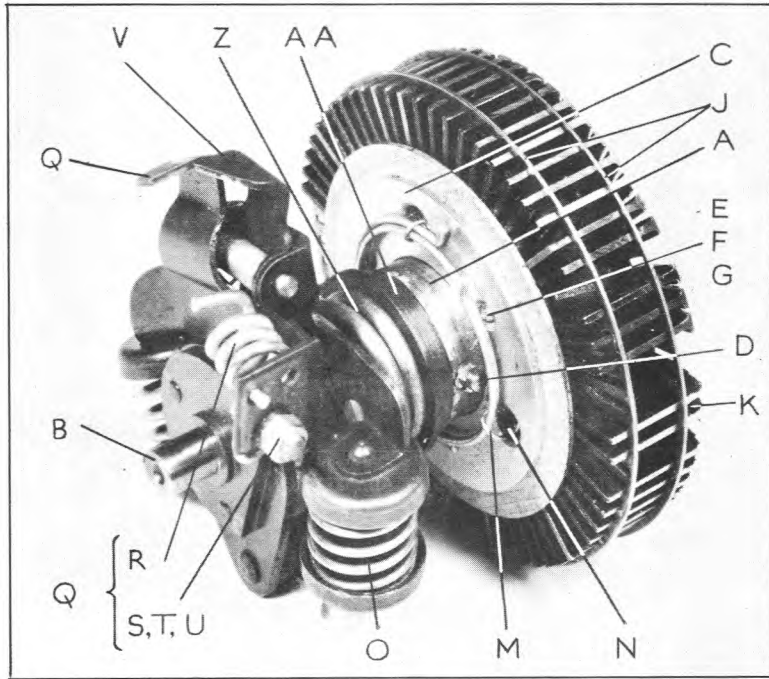


FIG. 13 TYPEHEAD UNIT

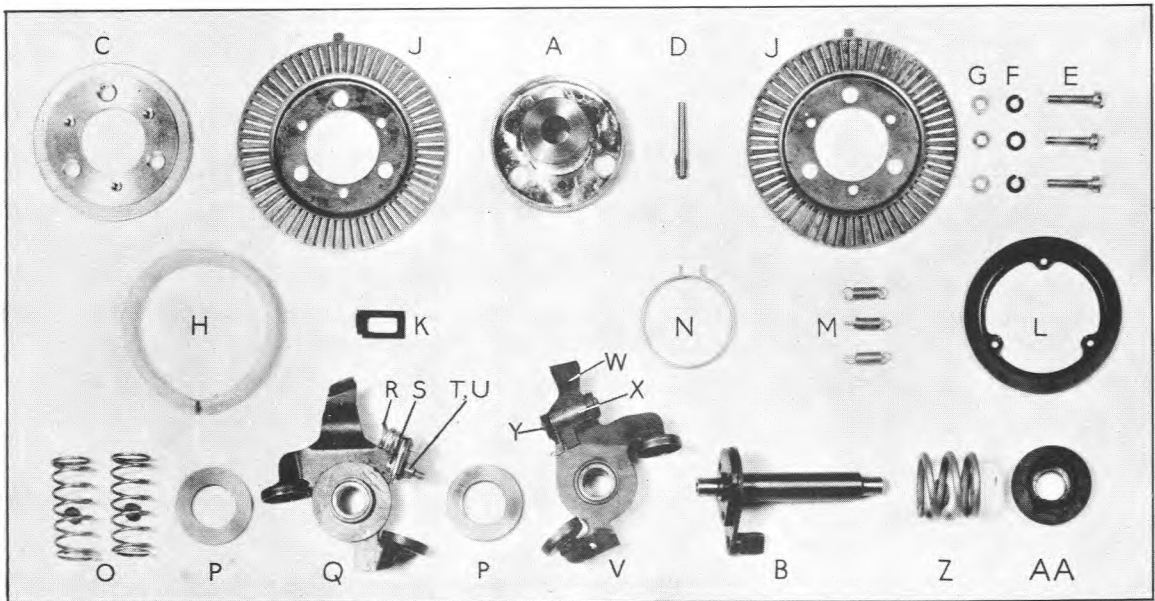


FIG. 14 TYPEHEAD UNIT COMPONENTS

TYPEHEAD UNIT S2852*(See Figs. 13 & 14)*

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>
	2852/44	Typehead Rack and Spindle C.P. <i>comprises:-</i>
	2852/43	Typehead Boss and Spindle C.P. <i>comprises:-</i>
A		Typehead Boss C.P. } <i>See Note *</i>
B		Typehead Spindle C.P. }
C		Clamp Ring C.P. }
D	23936A	Taper Pin
E	PS2509-1	Std. 8BA Screw } <i>3 of each per set</i>
F	PW1017-1	Std. 8BA Washer }
G	PW2050	Std. 8BA Spring Washer }
H	PF1078	Typehead Lubricator Felt
	2852/46	Typehead Flange C.P. <i>(2 per set) includes:-</i>
J	2852/22	Typehead Flange
K	BB347	Types, Majuscule
	BB447	or Types, Minuscule

When ordering majuscule types, refer to typehead chart on page 49 and quote the character number given e.g. when one dozen types, letter 'P' majuscule, are required, the order should read:- "1 doz. Types letter 'P' BB347/16" the character number for letter 'P' being 16. Any characters required which are not shown on the Typical Typehead Chart must be ordered by description e.g. "1 doz. Types, letter 'P' BB447/- (minuscule)" or "1 doz. Types sign § BB.347/- (majuscule)" and the appropriate character number will be added when the order is edited.

L	1700/157	Type Retaining Plate
M	PG7186	Tension Spring <i>(Type Retaining spring) 3 per set</i>
N	1827/9	Spring Anchor Ring
O	2852/18	Compression Spring <i>(2 per set)</i>
P	2852/21A	Damping Washer <i>(2 per set)</i>
Q	2852/11A	Type Stop C.P. <i>includes:-</i>
R	PG3109	Driving Spring
S	PS2462-1	Std. 8BA Screw
	2852/36	Clamp Plate <i>(not shown)</i>
T	PW2050	Std. 8BA Spring Washer
U	PN1017-1	Std. 8BA Nut
V	2852/5	Type Stop Latch Arm C.P. <i>includes:-</i>
W	2852/9	Latch
X	2852/10A	Latch Spring
Y	PS7003	Special Screw
	PW5413	Special Washer
	PW2050	Std. 8BA Spring Washer
	PN1517-1	Std. 8BA Locknut <i>(2 per set)</i> } <i>for retaining item X</i>
Z	2852/17	Friction Damping Spring
AA	2852/19	Thrust Collar
	2852/20	Oil Impregnated Thrust Washer <i>(fits into item AA)</i>

NOTES:-

- * *When one of these parts (i.e. the Typehead Boss C.P., the Typehead Spindle C.P. and the Clamp Ring C.P.) is required for spares, the complete Typehead Boss and Spindle C.P. (2852/43) which includes all three items assembled together, must be ordered. This is because the boss and spindle can only be drilled and reamed when assembled together with the clamp ring during manufacture and afterwards, these three items must always be used together, to ensure correct location of the remaining components on assembly.*

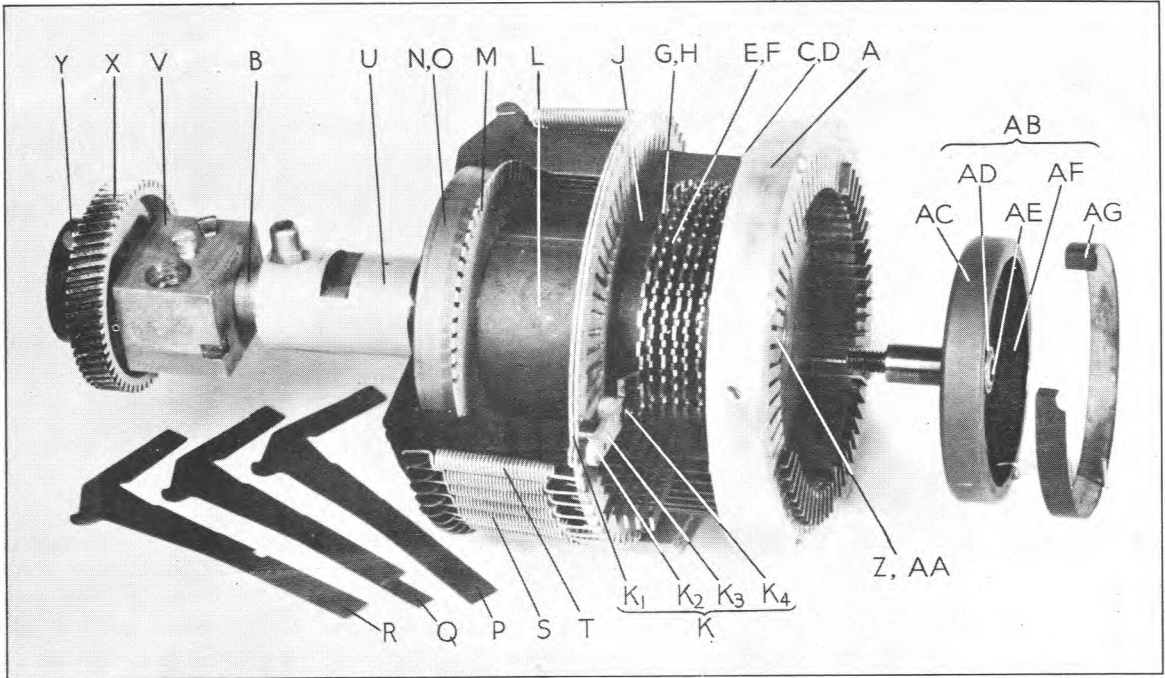


FIG. 15 COMBINATION HEAD UNIT

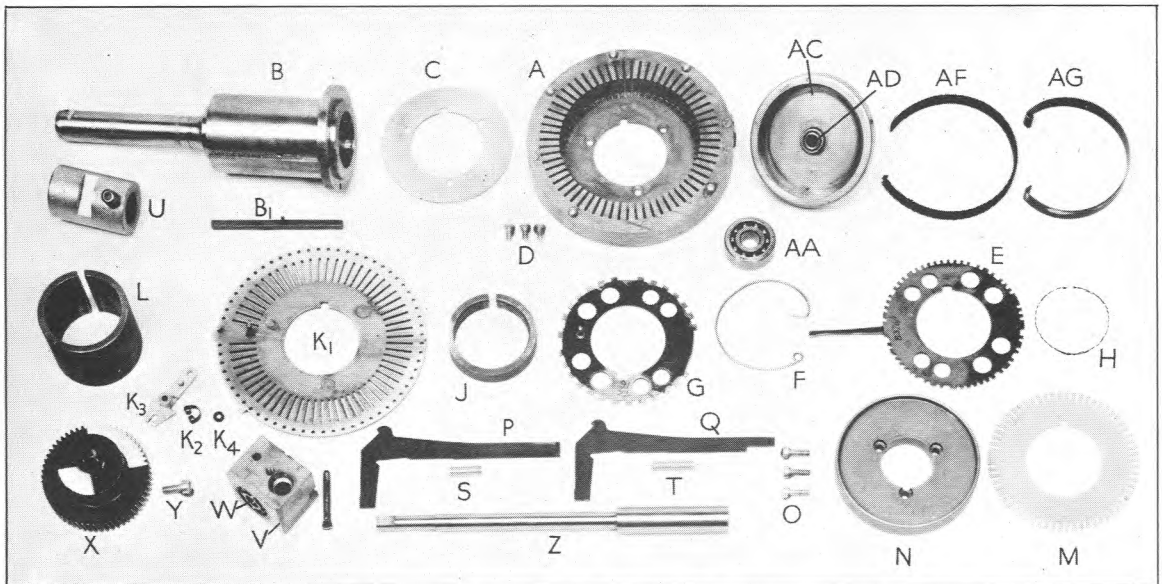


FIG. 16 COMBINATION HEAD UNIT COMPONENTS

COMBINATION HEAD UNIT S2843*(See Figs. 15 & 16)*

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>
A	1826/17C	Body Front Plate C.P. (<i>stamped with * and letters Y and Z to indicate the positions of Control and Common Case Bellcranks</i>)
B	1826/70	Body and Key C.P. (<i>does not include ballrace, See Item AA</i>) includes:—
B1	KY1001	Key
C	1826/19	Locating Ring (<i>selected bellcrank rests on outer diameter of this ring</i>)
D	PS2063—1	Std. 6BA Screw (<i>3 per set</i>) for securing Item C
E	1400/4	Set of Combs (<i>Marking on each comb should be given when ordering</i>)
F	PG3003	Special Spring (<i>5 per set</i>) for Item E
G	1826/12	Shift Comb C.P. (<i>Marking on comb should be given when ordering</i>)
H	740/101	Comb Distance Ring (<i>2 per set</i>) Wire rings, one at each end of the set of combs and shift comb
J	1826/107	Comb Distance Ring (<i>medium</i>)
K	1826/9	Bellcrank Rack and Shift Lever C.P. comprises:—
K1	1826/8	Bellcrank Rack C.P.
K2	PG3009	Special Spring (<i>jockey spring for Item K3</i>)
K3	1826/11	Shift Comb Lever C.P.
K4	23955A	Locking Ring (<i>retains Item K3 on its pivot</i>)
L	1400/30	Comb Distance Ring (<i>long</i>)
M	1400/32	Bellcrank Rack (<i>rear</i>)
N	1826/127	Bellcrank Bearing
	1826/128	Oil Wick Retainer C.P.
O	PS2093—1	Std. 6BA Screw (<i>for securing Item N</i>)
P	1400/35A	Standard Bellcrank (<i>normally 57 per set</i>) for all un-
	1826/89	Control Bellcrank "O" (<i>similar to standard bell-</i>
		<i>crank, but marked with letter "O" and fitted in *</i>
		<i>positions of Item A</i>) Normally 2 per set.
Q	1926/4	Dummy Control Bellcrank "Z" (<i>cut-away, marked</i>
		<i>with letter "Z" and fitted in "Z" positions of</i>
		<i>Item A</i>) Normally 3 per set.
R	2843/9	Common-Case Bellcrank "Y" (<i>has 1/8" wide slot to clear teeth of shift comb. Is</i>
		<i>marked with letter "Y" and fitted in "Y" position of Item A</i>). 1 used for
		<i>special typehead arrangements only.</i>
S	PG7166	Tension Spring (<i>for all bellcranks except shift bellcranks</i>) 60 per set
T	PG7036	Tension Spring (<i>2 per set</i>) for the 2 shift bellcranks which operate Item K3
U	1926/3	Bellcrank Lifting Collar C.P. (<i>includes oilpot</i>)
V	1826/20	Rear Bearing
W	8363	S.K.F. EE.2. Ball Bearing
X	2840/1	Spiral Gear 'B' (<i>57 Teeth</i>) does not form part of S2843
Y	PS1694—1	Std. 4BA Screw (<i>for securing Item X</i>)
Z	2843/3	Combination Head Spindle
AA	BO2873	Ballrace (<i>pressed into front end of Item B</i>)
AB	2843/1A	Clutch Body C.P. comprises:—
AC	2843/2A	Clutch Body Sub C.P.
AD	3010/6	Oil Impregnated Bush
AE	2843/7	Felt Oil Pad
AF	1826/97B	Clutch Lining
AG	2843/8	Clutch Band

} See Typical Typehead
Chart Page 49

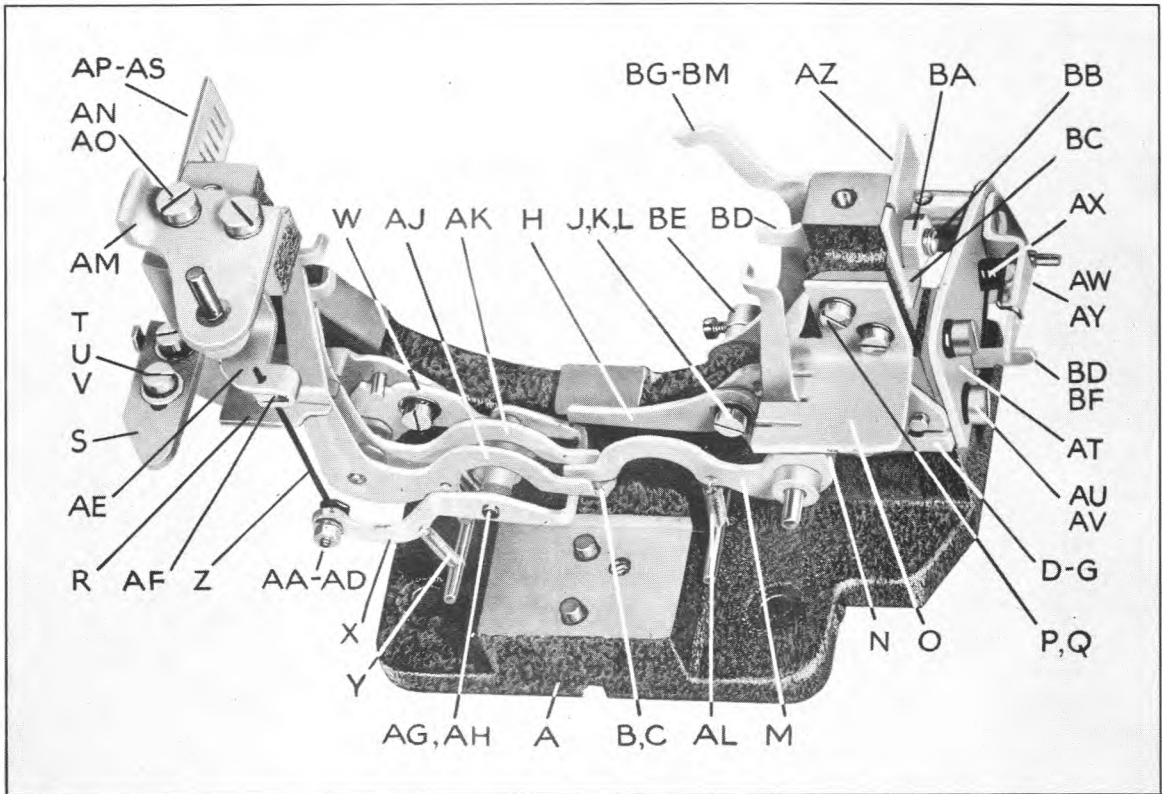


FIG. 17 CONTROL LEVER UNIT

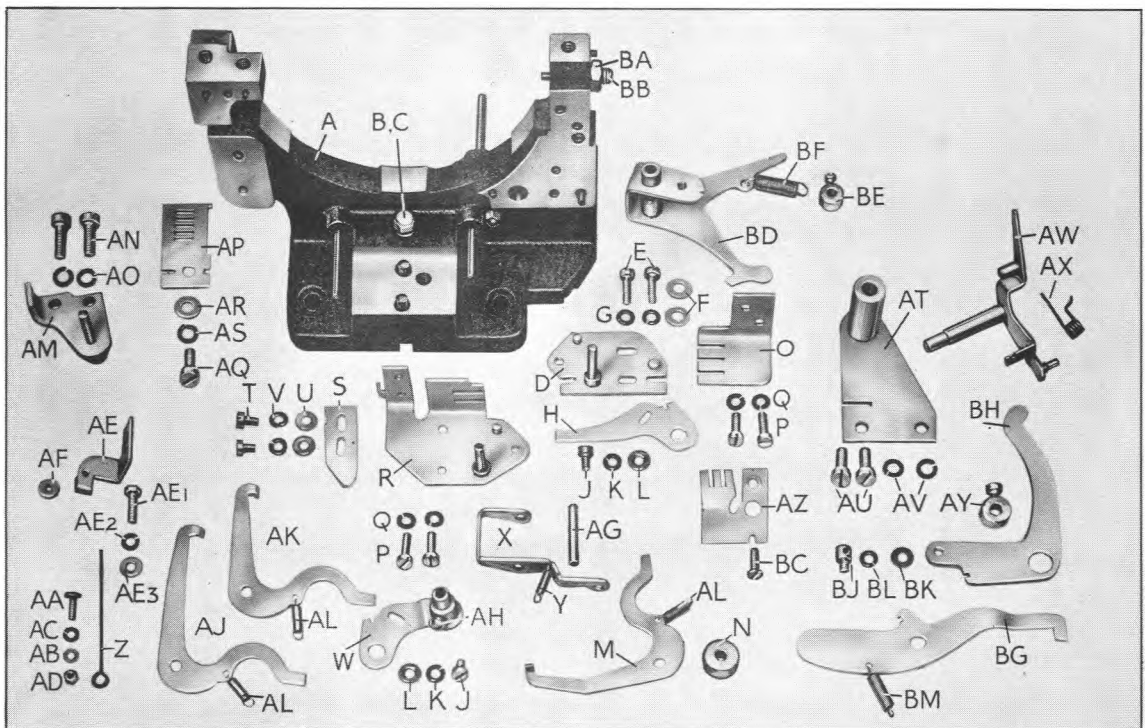


FIG. 18 CONTROL LEVER UNIT COMPONENTS

CONTROL LEVER UNIT { S2844 (when Answer Back Unit is fitted)
S2933 Gr 1. (for Model 47R and when A/B is not fitted)
(See Figs. 17 & 18)

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>
A	2844/2	Control Lever Unit Casting C.P. (includes pins driven in)
B	PS5032	Special Screw
C	PN1509-1	Std. 4BA Locknut } adjustable lower stop for Item X
PARTS IN FRONT OF CASTING		
D	2844/3	Control Lever Bearing Plate (R.H. Front) C.P.
E	PS2093-1	Std. 6BA Screw
F	PW1013-1	Std. 6BA Washer
G	PW2037	Std. 6BA Spring Washer
H	2844/6	Feed Throw-out Lever Stop (Upper)
J	PS2061-1	Std. 6BA Screw
K	PW2038	Std. 6BA Spring Washer
L	PW1013-1	Std. 6BA Washer
M	2844/13	"All Space Signal" Control Lever "D" C.P.
N	PB2068	Parallel Bush (spacing collar behind Item M)
O	2844/17	Control Lever Rack (R.H. Front)
P	PS2093-1	Std. 6BA Screw
Q	PW2037	Std. 6BA Spring Washer
R	2844/26	Control Lever Rack C.P. (L.H. Front)
S	2844/29	Resetting Bellcrank Trip Plate
T	PS2061-1	Std. 6BA Screw
U	PW1013-1	Std. 6BA Washer
V	PW2037	Std. 6BA Spring Washer
W	2844/40	Feed Throw-out Lever Bearing Plate C.P.
X	2844/43	Feed Throw-out Lever
Y	PG7002	Tension Spring (for Item X)
Z	2844/39	Feed Throw-out Rod
AA	2844/25	Special Screw
AB	PW1017-1	Std. 8BA Washer
AC	PW2050	Std. 8BA Spring Washer
AD	PN1017-1	Std. 8BA Nut
AE	2844/30	Guide Bracket (for Item Z)
AE1	PS2105-1	Std. 6BA Screw
AE2	PW2037	Std. 6BA Spring Washer
AE3	PW1013-1	Std. 6BA Washer
AF	PW5437	Felt Washer (for lubricating Item Z)
AG	PP6683	Parallel Pin (pivot for Item X)
AH	PS2049-1	Std. 6BA Screw (under Item AG)
AJ	2844/7	"Letters Shift" Control Lever "A" C.P.
AK	2844/9	"Figures Shift" Control Lever "B" C.P.
AL	PG7137	Tension Spring (1 Spring for each control lever Items M, AJ and AK)
AM	2844/32	Typehammer Bearing Plate C.P.
AN	PS5567	Special Screw
AO	PW2026	Std. 4BA Spring Washer
PARTS AT LEFT END OF CASTING		
AP	1826/24	Comb Stop
AQ	PS1694-1	Std. 4BA Screw
AR	PW1009-1	Std. 4BA Washer
AS	PW2026	Std. 4BA Spring Washer
PARTS AT RIGHT END OF CASTING		
AT	2844/18	A/B Release Bellcrank Bearing Plate C.P.
AU	PS1694-1	Std. 4BA Screw
AV	PW2026	Std. 4BA Spring Washer
AW	2844/21	A/B Release Bellcrank C.P.
AX	2844/46	A/B Release Bellcrank Spring
AY	CS1052	Set Collar and Screw (for retaining Item AW)
AZ	2844/31	Control Lever Rack (rear)
BA	PN1505-1	Std. 2BA Locknut
BB	EC5051	Eccentric Screw
BC	PS2095-1	Std. 6BA Screw (for securing Item AZ)
PARTS BEHIND CASTING		
BD	2844/50	"Answer Back" Control Lever C.P.
BE	CS1022	Set Collar and Screw (for retaining Item BD)
BF	PG7003	Tension Spring (for Item BD)
BG	2844/37	"Bell" Control Lever C.P.
BH	2844/44	Bell Switch Arm (behind Item BD)
BJ	PS2056-1	Std. 6BA Capstan Head Screw
BK	PW1037-1	Std. 6BA Washer
BL	PW2038	Std. 6BA Spring Washer
BM	PG7154	Tension Spring (for Item BG)

* These items are used only on Control Lever Unit S2844.

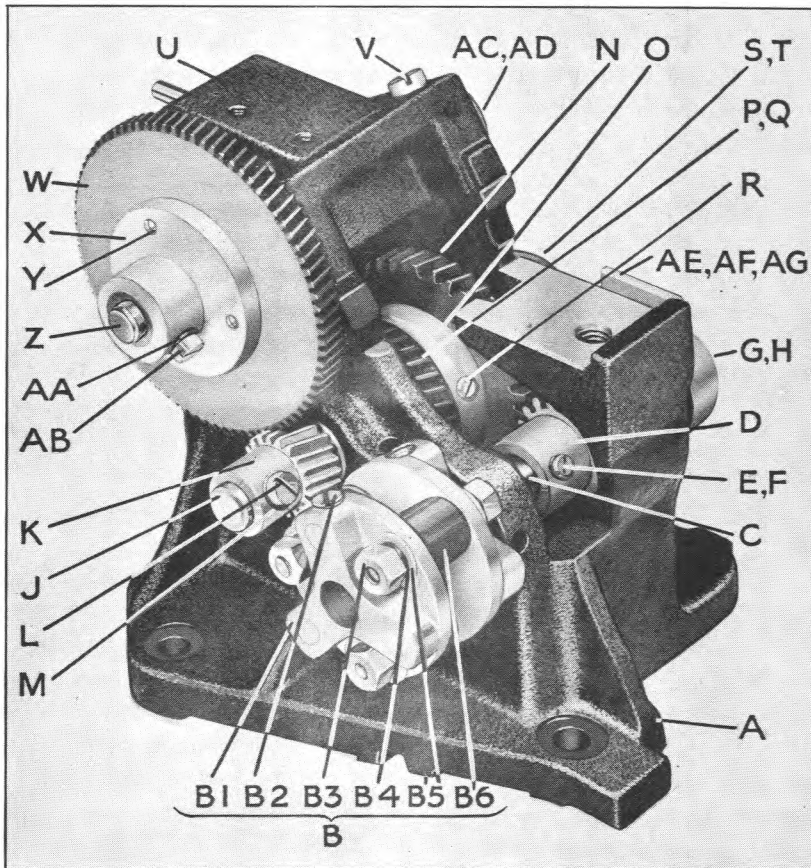


FIG. 19 GEAR UNIT (Gear Cover Removed)
(Items B1 - B6 not used, see Fig. 21)

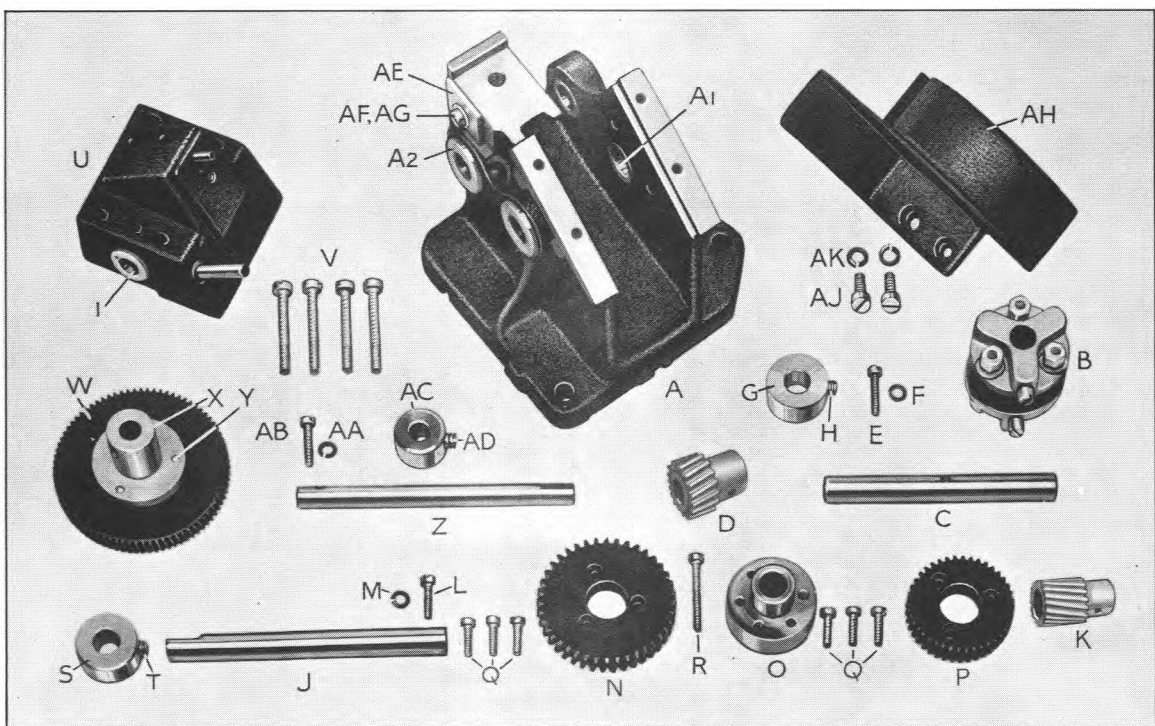


FIG. 20 GEAR UNIT COMPONENTS

GEAR UNIT { S2847A for Models 47/N3 and 47/N4
S2934 for Model 47R
(See Figs. 19, 20 & 21)

Index Letter	Part No.	Part Name
MAIN CASTING		
A	2847/28	Gear Unit Casting C.P. includes items AE, AF, AG and:-
A1	PB1463	Oil Impregnated Bush } 2 of each per set, bearings for items C and J
A2	PB2034	Oil Impregnated Bush }
3000 R.P.M. SHAFT DRIVEN BY MOTOR		
B	2840/35	Motor Coupling C.P. comprises:-
B1	2840/34A	Coupling } 2 of each per set
B2	PS1765-1	Std. 4BA Screw } See Fig. 21. In place of item B illustrated in Figs. 19 & 20.
B3	PW2026	Std. 4BA Spring Washer }
B4	2840/33	Driving Disc }
<i>(Item 2840/35 does not form part of Gear Units)</i>		
C	2847/6	Spindle
D	GR2128	Helical Gear (16 teeth)
E	PS2125-1	Std. 6BA Screw } for securing item D
F	PW2037	Std. 6BA Spring Washer }
G	2847/9	Set Collar } for retaining item C
H	PS1307-1	Std. 2BA Grub Screw }
1200 R.P.M. INTERMEDIATE SHAFT (FOR DRIVING TYPEHEAD SPINDLE AND CAM UNIT)		
J	2847/33	Intermediate Spindle C.P. comprises:-
K	2847/25	Spindle
L	GR2137A	Helical Gear (20 teeth)
M	PS2109-1	Std. 6BA Screw
N	PW2037	Std. 6BA Spring Washer
O	2847/35	Gear and Boss C.P. comprises:-
P	GR2129	Helical Gear (large) 40 teeth
Q	2847/8	Gear Boss
R	GR2127	Helical Gear (small) 40 teeth
S	PS2093-1	Std. 6BA Screw (6 per set)
T	PS2205-1	Std. 6BA Screw } for securing item O to item J
	PW2039	Std. 6BA Spring Washer }
	2847/9	Set Collar } for retaining item J
	PS1307-1	Std. 2BA Grub Screw }
296.3 R.P.M. ADJUSTABLE IDLER SHAFT (FOR DRIVING KEYBOARD UNIT) (For Models 47/N3 and 47/N4 only.)		
U	2847/13	Idler Gear Casting C.P. includes pins driven in and:-
U1	PB2024	Oil Impregnated Bush (2 per set)
V	PS1803-1	Std. 4BA Screw (4 per set) for securing item U
W	2847/34	Idler Gear Spindle C.P. comprises:-
X	GR2136	Helical Gear (81 teeth). This gear is assembled on the other side of the Gear Boss (item X) for 7 Unit transmission.
Y	2847/26	Gear Boss
Z	PS2061-1	Std. 6BA Screw (3 per set) for securing item W.
AA	2847/24	Spindle
AB	PW2037	Std. 6BA Spring Washer } for securing item X
AC	PS2125-1	Std. 6BA Screw }
AD	2847/3	Set Collar } for retaining item Z
	PS1307-1	Std. 2BA Grub Screw }
ABUTMENT FOR COMBINATION HEAD REAR BEARING. (Part of item A)		
AE	2847/27	Abutment Plate
AF	PS2077-1	Std. 6BA Screw } for securing item AE
AG	PW1013-1	Std. 6BA Washer }
GEAR COVER (not shown)		
AH	2847/21	Gear Cover (For Models 47/N3 and 47/N4)
AJ	2847/1	Gear Cover (For Model 47R)
AK	PS1717-1	Std. 4BA Screw } 2 of each per set, for securing either of the Gear Covers.
	PW2025	Std. 4BA Spring Washer }

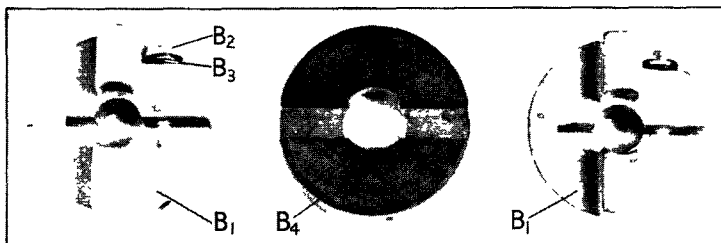


FIG. 21
MOTOR COUPLING C.P.

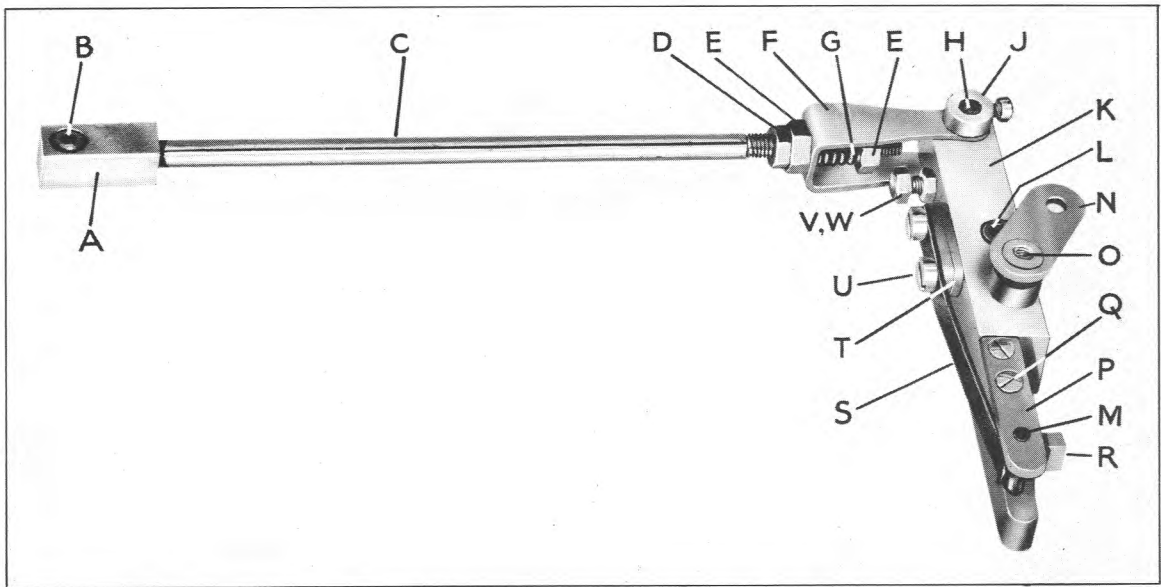


FIG. 22 TYPEHAMMER UNIT (Underside View)

TYPEHAMMER UNIT S2853 GR.1*(See Fig. 22)*

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>
<i>HAMMER LINK</i>		
A	1834/8A	Hammer Link Bearing C.P. <i>includes:-</i>
B	PB3093	Parallel Bush
C	1834/9	Hammer Link
D	PN1509-1	Std. 4BA Locknut
E	PN5035	Special Nut (2 per set)
F	2853/6	Typehammer Shackle
G	PG5014	Compression Spring (<i>shock-absorber spring</i>)
H	PP8677	Shouldered Pin (<i>pivot for item R</i>)
J	CS1025	Set Collar and Screw
<i>TYPEHAMMER</i>		
K	2853/2	Typehammer Sub C.P. <i>includes:-</i>
L	PB1523	Parallel Bush
	PB2063	Parallel Bush (<i>for item H</i>)
M	PP1037	Parallel Pin (<i>pivot for item P</i>)
N	2853/8	Retaining Plate C.P.
O	PS2157-1	Std. 6BA Screw (<i>for securing item N</i>)
P	2853/4	Hammer Head Retaining Plate
Q	PS2464-1	Std. 8BA Screw (2 per set)
R	2853/5	Hammer Head
S	PG3105	Flat Spring (<i>for item R</i>)
T	2853/3	Spacer (2 per set)
U	PS2093-1	Std. 6BA Screw (2 per set) <i>for securing items S and T</i>
V	PS6510	Special Screw
W	PN1513-1	Std. 6BA Locknut

} *pressed in*} *Typehammer overshoot stop.*

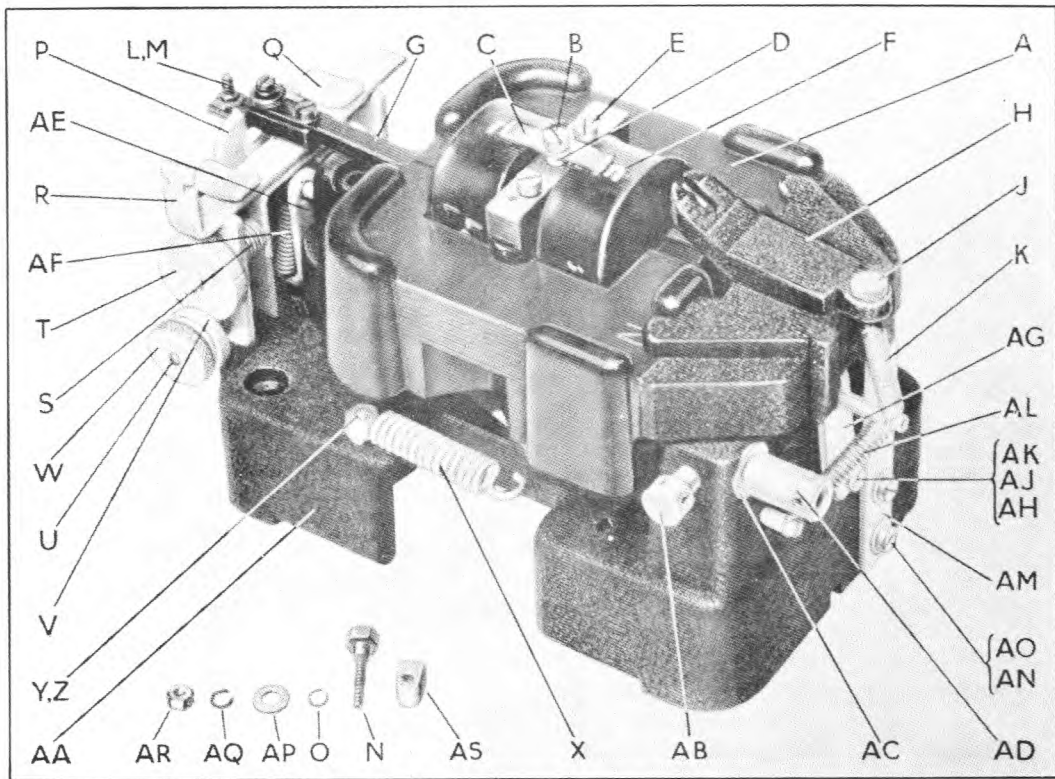


FIG. 23 OPERATING ELECTROMAGNET UNIT

OPERATING ELECTROMAGNET UNIT (TYPE 3) S2848A { Gr.1 with C + E Windings
Gr.2 with E + E Windings
Gr.8 with P + P Windings

(See Fig. 23)

Index Letter	Part No.	Part Name
FIELD UNIT AND ARMATURE		
A	2848/3B	Field Unit C.P. (state windings required) comprises:- Field Unit (Laminated field and moulding with anchor pin for item AF and Armature bearing housing steady pinned, and top and bottom bearings line reamed). The following replaceable parts included in item A can be supplied:-
B	PS6514	Special Pip End Screw (2 per set) armature end thrust screw
C	1410/30	Retaining Plate
	PW5151	Special Washer
	2848/71	Coil Support
		} for supporting windings on underside
D	PB4196	Armature Bearing (2 per set)
E	PS2157-1	Std. 6BA Screw
	PW2037	Std. 6BA Spring Washer
	PW1013-1	Std. 6BA Washer
		} 4 of each per set, for securing armature bearing housing
F	2848/62 Gr.1.	Electromagnet Winding C.P. (Mark C, 25 ohms)
	2848/62 Gr.2. or	Electromagnet Winding C.P. (Mark E, 100 ohms)
	2848/62 Gr.3 or	Electromagnet Winding C.P. (Mark P, 360 ohms)
G	2848/4B	Armature C.P.

OPERATING ELECTROMAGNET UNIT (TYPE 3) S2848A CONTD. { Gr.1 with C + E Windings
Gr.2 with E + E Windings
Gr.8 with P + P Windings

(See Fig. 23)

Index Letter	Part No.	Part Name
H	2848/42A	Adjustable Magnet
J	PP6108	Spring Anchor Stud
K	PG7164	Tension Spring (for item H)
	2848/40	Field Unit Cover C.P.
	PS6226	Magnet Adjusting Screw
	PN1510/15	Std. 4BA Nut (for locking item PS6226)
	PS1786-1	Std. 4BA Screw
	PN6020	Special Nut

} 4 of each per set for securing cover.

L & M (not used on Model 47 Teleprinter, replaced by items N and O)

N	2848/52	Trunnion Pivot
O	PW2025	Std. 4BA Spring Washer

SINGLE CURRENT BIASING PARTS

	2848/57A (Arr.1)	Armature Stop Plate C.P. comprises:-
P	2848/48B	Armature Stop Plate
Q	2848/17	Slide Retaining Bracket (2 per set)
	PS2045-1	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
	2848/13A	Bias Spring Slide C.P.
R	PG5091	Compression Spring
S	PN6011A	Adjusting Nut
T	2848/46	Clamp Stud
U	PW1009-1	Std. 4BA Washer
	PW2025	Std. 4BA Spring Washer
	PN1009-1	Std. 4BA Nut
V	PB4098	Clamping Bush
W	PN6021	Locking Nut
	PS1777-1	Std. 4BA Screw
	PW2025	Std. 4BA Spring Washer
	PW1009-1	Std. 4BA Washer
X	PG7351	Bias Spring
Y	PS1672-1	Std. 4BA Screw
Z	PW5557	Special Washer

} 4 of each per set, for securing item Q

} for securing item U

} 2 of each per set, for securing item P

} for securing item X when not in use.

BASE CASTING AND NEUTRALITY ADJUSTMENT

AA	1832/27B	Base Casting C.P. comprises machined and enamelled casting with spring anchor and locating pins driven in and the following replaceable parts:-
	PS5032	Abutment Screw
	PN1509-1	Std. 4BA Locknut
AB	2848/24B	Bias Adjusting Screw
	2848/25A	Draw Bolt (not visible)
AC	PW1077-1	Std. 2BA Washer
AD	2848/23	Draw Bolt Clamping Nut
AE	1832/17	Safety Plate
	PS2063-1	Std. 6BA Screw
AF	PG7048	Tension Spring
AG	1832/30A	Retaining Plate
AH	1832/36	Retaining Plate Collar
AJ	PS2077-1	Std. 6BA Screw
AK	PW1013-1	Std. 6BA Washer
AL	PG7164	Tension Spring
AM	2848/56	Magnet Abutment
AN	PS2061-1	Std. 6BA Screw
AO	PW1013-1	Std. 6BA Washer

} prevents field being strained downwards.

} Retains item A on base casting during transport.

} 2 of each per set, for securing item AM

PARTS (NOT VISIBLE) UNDER BASE CASTING

	2848/55	Clamping Plate (for screws securing item P)
	PS1727-1	Std. 4BA Screw
	PW2025	Std. 4BA Spring Washer
	PN1009-1	Std. 4BA Nut
	1832/1	Connection Block
	PG2008	Contact Spring (part of item F)
	PG2006	Contact Backing Spring
	PS2046-15	Std. 6BA Screw for securing contact spring and backing
	PN1014-15	Std. 6BA Nut spring
	PS1740-1	Std. 4BA Screw (2 per set) for securing block

} 4 of each per set

PART FOR CONNECTING ARMATURE TO E/M LINK (Not part of S2848A)

AP, AQ, AR (not used on Model 47 Teleprinter)

AS	2848/5	Trip Shaft Trunnion
----	--------	---------------------

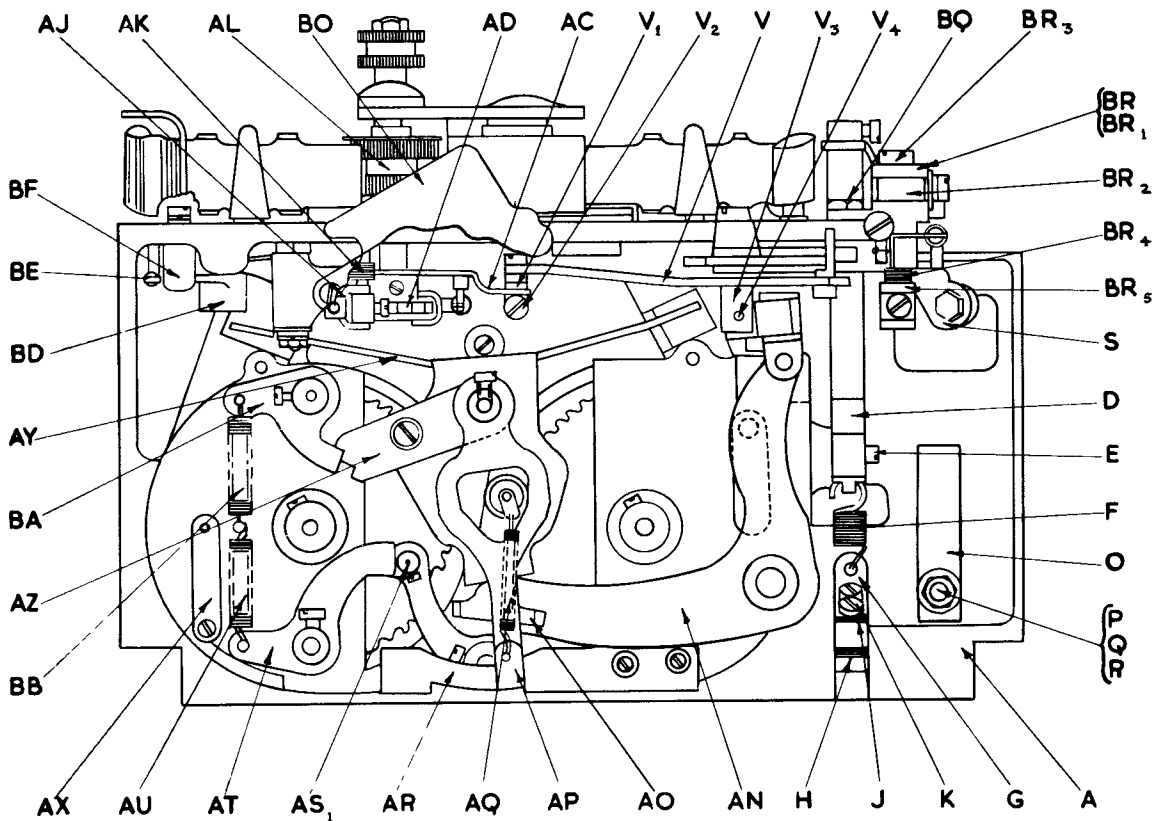


FIG. 24 TAPE UNIT (Rear View)

TAPE UNIT (TYPE 3) S2850B GR.1

(See Figs. 24, 25 & 26)

Index Letter	Part No.	Part Name
MAIN CASTING (See Figs. 24 and 25)		
A	2850/1B	Tape Unit Casting C.P. comprises machined and enamelled casting with pins driven in and the following replaceable parts:-
B	PB1450	Parallel Bush (Ink Ribbon Roller) } 2 of each per set
C	2850/87	Guide Roller Pin } 2 of each per set
	3010/6	Oil Impregnated Parallel Bush (2 per set) for item U6
	PB1466	Oil Impregnated Parallel Bush (4 per set) 2 for each Ribbon Feed Wheel, items AV & AW
	PB1448	Parallel Bush (2 per set) for items AV & AW
	PB1449	Oil Impregnated Flanged Bush (for Tape Feed Spindle)
	PS6916	Special Grub Screw (Stop Screw)
	PW1009-1	Std. 4BA Washer
	PW2026	Std. 4BA Spring Washer } Adjustable Stop, for item V
	PN1509-1	Std. 4BA Nut
	PB1464	Oil Impregnated Parallel Bush (for Seeker Lift Plate C.P.)
D	2850/3A	Tape Unit Latch
E	2850/107	Latch Pivot Pin
F	PG7295	Tension Spring (for item D)
G	2850/79	Spring Anchor Plate
H	PG2104	Flat Spring (3 per set) Stop Spring for "opened" position of Tape Unit.
J	2850/80	Clamp Plate
K	PS2173-1	Std. 6BA Screw (2 per set) for securing items G, H and J
L	2850/10A	Retaining Pawl Pivot (for item AS)
M	PS2477-1	Std. 8BA Screw
N	PW1017-1	Std. 8BA Washer
O	2850/119	Abutment Spring
P	PS2079-1	Std. 6BA Screw
Q	PW2037	Std. 6BA Spring Washer
R	PN1013-1	Std. 6BA Nut

TAPE UNIT (TYPE 3) S2850B GR.1. CONTD.

(See Figs. 24, 25 & 26)

Index Letter	Part No.	Part Name	
TAPE FEED MECHANISM (See Figs. 24, 25 and 26)			
S	2850/49 Gr.1.	Operating Lever C.P. includes:-	See Fig. 26
S1	2850/50	Feed Throwout Pawl	
S2	PS6911	Pivot Screw	
S3	PS6510	Special Screw	
	PS7004	Special Screw (not visible)	
	PN1513-1	Std. 6BA Locknut (2 per set)	
S4	PG7171	Tension Spring (for item S1)	
	PS2494-1	Std. 8BA Screw (for securing item S)	
T	PG7120	Tension Spring	
	2850/125A	Operating Lever Pivot C.P. includes:-	See Figs. 25 and 26
U	2850/186	Reset Lever Block	
U1	2850/184	Reset Lever	
U3	PS2075-1	Std. 6BA Screw	} for securing item U1 to item U
U4	PW1013-1	Std. 6BA Washer	
U5	PW2037	Std. 6BA Spring Washer	
U6	PP6673C	Operating Lever Pivot	
	PS2494-1	Std. 8BA Screw (for retaining item U6)	
V	2850/138A	Tape Feed Lever C.P. comprises:-	See Fig. 24
	2850/52	Tape Feed Lever Sub C.P.	
	2850/165	Seeker	
	CS1103	Set Collar and Screw (for retaining Seeker)	
	PG7047	Tension Spring	
	PP6681	Parallel Pin	
V1	2850/59	Pivot Block	
V2	CS1103	Set Collar and Screw (for retaining item V1)	
V3	2850/81	Pivot Block	
V4	PP1097	Parallel Pin	
W	2850/190	Tape Roller Bracket C.P.	
X	PS2093-1	Std. 6BA Screw	} 2 per set, for securing item W
Y	PW2037	Std. 6BA Spring Washer	
Z	PW1013-1	Std. 6BA Washer	
AA	RL1137	Roller	
AB	CS1104	Set Collar and Screw (for retaining item AA)	
AC	2850/60	Tape Feed Plate C.P.	
AD	2850/63	Tape Feed Ratchet	
	PS2462-1	Std. 8BA Screw (for securing item AD)	
	2850/62	Tape Pawl (Feed)	
	BO3225	Anderton Clip (for retaining Pawl)	
	PG7171	Tension Spring (for item 2850/62)	
	2850/84A	Tape Feed Spindle	
AE	2850/33	Retaining Pawl Plate C.P.	
AF	PS2061-1	Std. 6BA Screw	} for securing item AE
AG	PW2037	Std. 6BA Spring Washer	
AH	PW1013-1	Std. 6BA Washer	
AJ	2850/62	Tape Pawl (Retention)	
	CS1020	Set Collar and Screw	} for retaining item AJ
AK	PG3084	Torsion Spring	
AL	2850/37	Tape Feed Roller C.P.	
	PS6823	Special 8BA Grub Screw (for retaining item AL)	
AM	KN1025	Feed Knob	
	PN5056	Special Nut (for securing item AM)	
RIBBON FEED MECHANISM (See Figs. 24 and 25)			
AN	2850/11	Ribbon Feed Lever C.P. includes:-	
	3010/6	Oil Impregnated Bush (2 per set)	
	2850/81	Pivot Block	
	PP1097	Parallel Pin	
AO	2850/14A	Ribbon Feed Pawl C.P.	
	CS1013	Set Collar and Screw (for securing item AO to item AN)	
	PS2045-1	Std. 6BA Screw	} for retaining item AN
	PW5151	Special Washer	
AP	2850/179	Feed Pawl Bias Arm	
AQ	PG7356	Tension Spring	
	2850/82	Spring Anchor Tag (for item AQ)	
AR	2850/180	Bias Arm Stop	
	PS2045-1	Std. 6BA Screw	} 2 of each per set for securing item AR
	PW1013-1	Std. 6BA Washer	
AS	2850/22A	Retaining Pawl C.P., includes:-	
AS1	RL1089	Jockey Roller	
	CS1002	Set Collar and Screw (for retaining item AS1)	
AT	2850/25	Jockey Lever C.P.	
	CS1021	Set Collar and Screw (2 per set) for retaining items AS and AT	
AU	PG7371	Tension Spring (for item AT)	
AV	2850/5A	Ribbon Feed Wheel (R.H.) C.P.	
AW	2850/6A	Ribbon Feed Wheel (L.H.) C.P.	
	CS1029	Set Collar and Screw (2 per set) for items AV and AW	
AX	2850/94	Damping Spring C.P.	} 2 of each per set
	PS2045-1	Std. 6BA Screw	

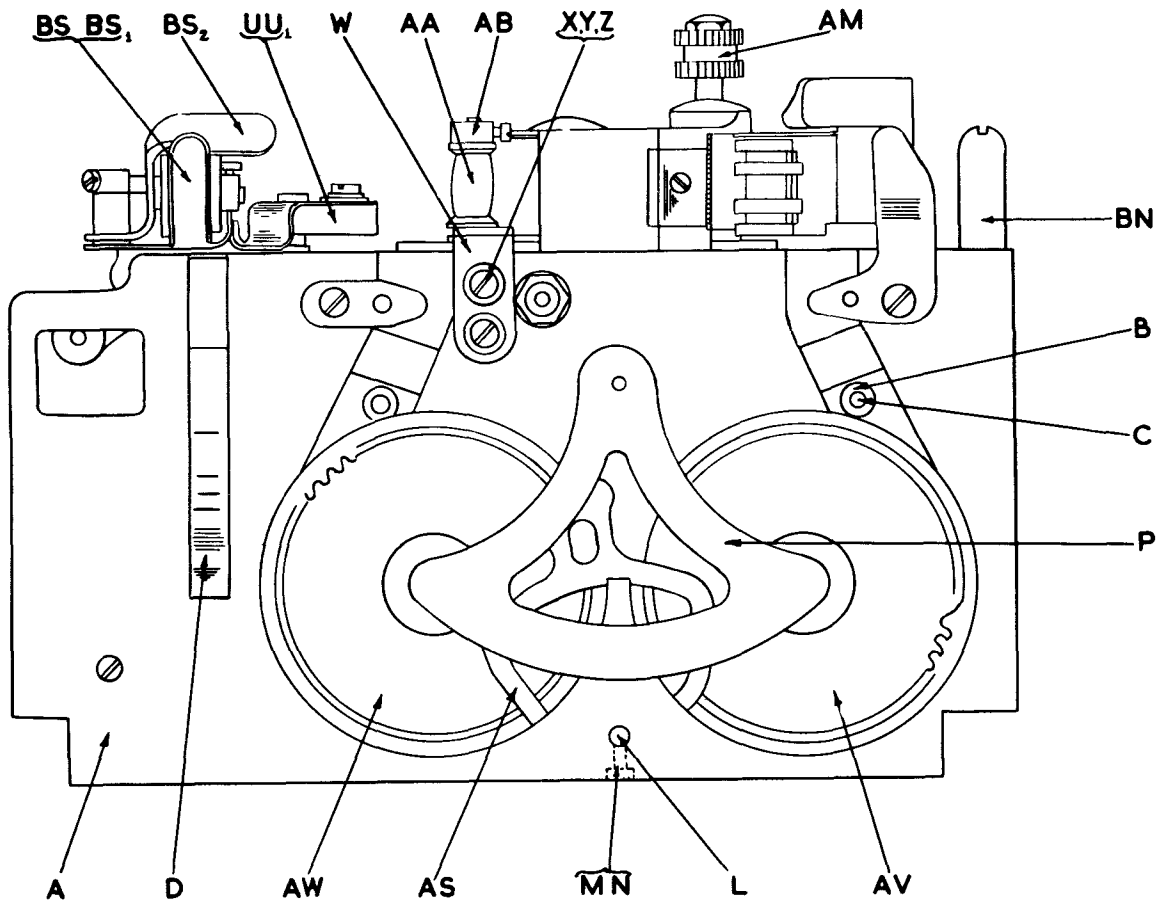


FIG. 25 TAPE UNIT (Front View)
Note: item P should read BP

TAPE UNIT (TYPE 3) S2850B GR.1 CONTD.

(See Figs. 24, 25 & 26)

Index Letter	Part No.	Part Name
RIBBON CHANGEOVER MECHANISM (See Fig. 24)		
AY	2850/16A	Ribbon Change Over Lever C.P.
AZ	2850/19	Change Over Locating Arm
	PS2061-1	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
	PW2037	Std. 6BA Spring Washer
	PW5507	Shim (.015") between items AY and AP
	CS1025	Set Collar and Screw (for retaining items AY and AP)
BA	2850/20A	Change Over Jockey C.P.
	CS1021	Set Collar and Screw (for securing item BA)
BB	PG7213	Tension Spring
PRESSURE ROLLER AND LEVER (See Figs. 24 and 26)		
BC	2850/108A	Pressure Roller and Lever C.P.
	PW5569	Shim (.015") 3 per set max. between item BD and casting
BD	2850/27	Pressure Spring Arm
	PS2477-1	Std. 8BA Screw (for securing item BD)
BE	PG7296	Tension Spring
BF	2850/104	Stop Bracket (for item BD)
	PS2093-1	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
	PW2037	Std. 6BA Spring Washer
	2850/109	Square Nut

TAPE UNIT (TYPE 3) S2850B GR.1. CONTD.

(See Figs. 24, 25 & 26)

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>
<i>PLATEN (See Fig.26)</i>		
BG	2850/39	Platen C.P. includes:-
	3010/6	Oil Impregnated Bush (2 per set)
BH	2850/114	Platen Support Plate C.P.
	PS2077-1	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
	PW2037	Std. 6BA Spring Washer
		} 2 of each per set, for securing item BH
BJ	2850/40	Platen Support Block C.P. includes:-
	3010/6	Oil Impregnated Bush
	PS2221-1	Std. 6BA Screw (2 per set) for securing item BJ
BK	2850/78A	Tape Take Off Plate
	PS2047-1	Std. 6BA Screw (for securing item BK)
<i>RIBBON GUIDES (See Figs.24 and 26)</i>		
BL	2850/136	Ink Ribbon Support (R.H.) C.P. includes:-
	2850/64	Ink Ribbon Guide (R.H.) C.P.
	2850/88	Anchor Plate C.P.
	2850/71	Ink Ribbon Support
	2850/69	Clamp Plate
	PS2447-1	Std. 8BA Screw (2 per set)
	2850/70	Ink Ribbon Guide Clamp Plate
	PS2445-1	Std. 8BA Screw (2 per set)
	PS2045-1	Std. 6BA Screw (2 per set) for securing item 2850/64 to casting
	PS2057-1	Std. 6BA Screw (2 per set) for securing item 2850/88 to casting
BM	2850/137	Ink Ribbon Support (L.H.) C.P.
	2850/67	Ink Ribbon Guide (L.H.) C.P.
	2850/99	Anchor Plate and Ribbon Guard C.P.
	2850/71	Ink Ribbon Support
	2850/110	Ink Ribbon Guard
	2850/70	Ink Ribbon Guide Clamp Plate
	PS2462-1	Std. 8BA Screw (2 per set)
	2850/69	Clamp Plate
	PS2447-1	Std. 8BA Screw (2 per set) } for securing item 2850/99 to item 2850/71
	PS2045-1	Std. 6BA Screw } for securing item 2850/67 to casting
	PS2109-1	Std. 6BA Screw } for securing item 2850/99 to casting
	PS2057-1	Std. 6BA Screw (for securing item 2850/99 to casting
BN	PS6906	Special Screw (Guard Post for Ink Ribbon) See Fig. 25
BO	2850/194	Ink Ribbon Guard C.P. comprises:-
	2850/183	Guard C.P. comprises:-
	2850/188	Guard Sub C.P.
	2850/185	Support Plate
	PS2457-1	Std. 8BA Screw
	PW1017-1	Std. 8BA Washer
	PW2050	Std. 8BA Spring Washer
	PN1017-1	Std. 8BA Nut
		} 2 of each per set, for securing item 2850/188 to item 2850/185.
	PP6754	Pivot Pin
	PG3125	Torsion Spring
	PW1037-1	Std. 6BA Washer
	PW2037	Std. 6BA Spring Washer
	PN1513-1	Std. 6BA Locknut
		} for securing items PP6754 and PG3125 to item 2850/185
<i>INK RIBBON (See Fig.25)</i>		
	BO2633	Ink Ribbon (½" wide, with eyelets, black record, with 2 spools)
	BO2843	or Ink Ribbon (½" wide, with eyelets, purple record, with 2 spools)
BP	2850/7	Spool Retaining Plate C.P.
	PS2457-1	Std. 8BA Screw
	PW5020	Special Washer
		} for securing item BP

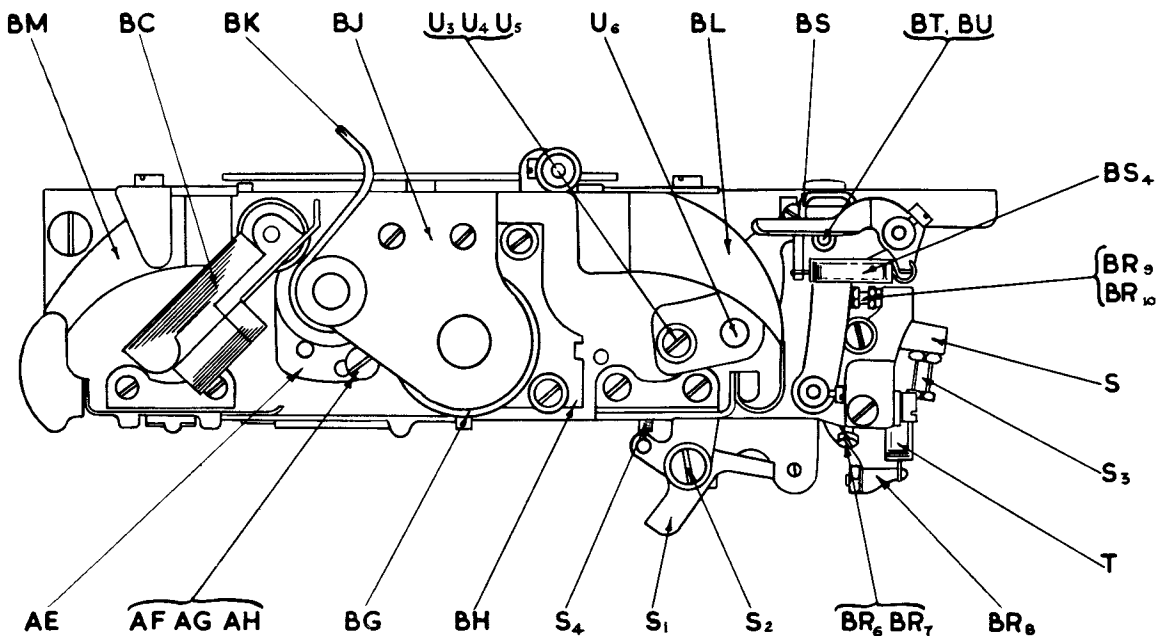


FIG. 26 TAPE UNIT (Top View)
Note: Item BS should read BS3

TAPE UNIT (TYPE 3) S2850B GR.1. CONTD.

(See Figs. 24, 25 & 26)

Index Letter	Part No.	Part Name
--------------	----------	-----------

AUTOMATIC TAPE FEED FAILURE ALARM (See Figs. 24, 25 and 26)

BQ	PP8772	Tape Lever Pivot Pin
	PW1013-1	Std. 6BA Washer
	PW2037	Std. 6BA Spring Washer
	2850/175	Clamp Plate
BR	2850/192	Pivot Block C.P. comprises:-
BR1	2850/178	Pivot Block
BR2	2850/177	Clamp Plate
	PS2045-1	Std. 6BA Screw
	PW5190	Special Washer
	PW2037	Std. 6BA Spring Washer
BR3	PP9100	Eccentric Pivot Pin
BR4	PG3137	Torsion Spring
BR5	2850/116B	Alarm Trip Arm and Pivot C.P.
	CS1101	Set Collar and Screw (for retaining item BR5)
BR6	PS2193-1	Std. 6BA Screw
BR7	PN1513-1	Std. 6BA Locknut
BR8	2850/189	Spring Anchor
	PS2479-1	Std. 8BA Screw
	PW2050	Std. 8BA Spring Washer
	PN1017-1	Std. 8BA Nut
BR9	PS2105-1	Std. 6BA Screw
BR10	PN1513-1	Std. 6BA Locknut
	PS2057-1	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
BS	2850/182	Tape Gripper C.P. comprises:-
BS1	2850/172	Tape Gripper Lever C.P.
BS2	2850/174	Tape Gripper Bracket C.P.
BS3	2850/129A	Tape Gripper
	CS1011	Set Collar and Screw (for retaining item BS3)
BS4	PG7184	Tension Spring
	CS1011	Set Collar and Screw (for securing item BS2 to item BS1)
	CS1027	Set Collar and Screw (for retaining item BS)
	2850/166	Seeker Lift Frame
	2850/164	Seeker Lift Plate C.P. } not visible
BT	PS2457-1	Std. 8BA Screw
BU	PW1017-1	Std. 8BA Washer

See Figs. 24 and 26

See Figs. 25 and 26

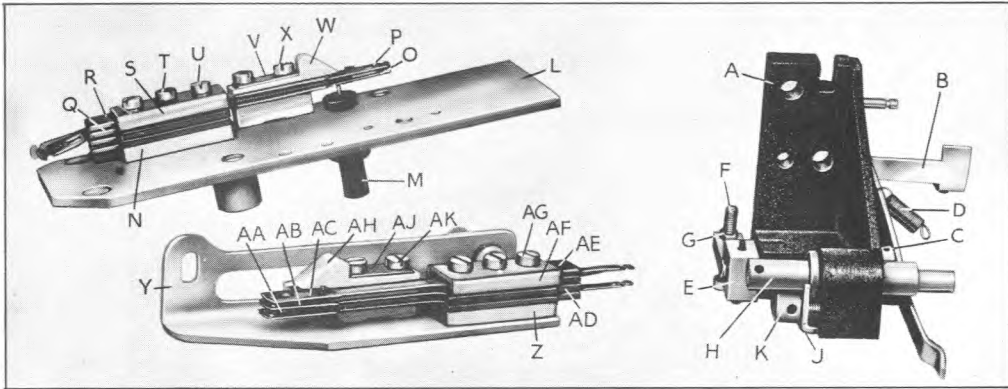


FIG. 27 TAPE UNIT HINGE (L.H.) C.P. AND AUXILIARY CONTACTS

TAPE UNIT HINGE (L.H.) C.P. 2841/30

(See Fig. 27)

Index Letter	Part No.	Part Name
A	2841/32	Bracket C.P. <i>comprises machined and enamelled casting with all pins driven in and the following replaceable parts:-</i>
	PB1465	Oil Impregnated Parallel Bush (2 per set)
B	2841/33	Paper Failure Alarm Operating Lever C.P. (Item B should not be ordered separately unless the customer is prepared to drill and taper ream the hole for Item C)
C	23930A	Taper Pin (for securing item B)
D	PG7076	Tension Spring
E	2841/84	Paper Failure Alarm Resetting Lever C.P.
F	PS5294	Special Screw
G	PN1513-1	Std. 6BA Locknut
H	2841/39	Eccentric Pin
J	2841/40	Clamp Plate
K	PS1725-1	Std. 4BA Capstan Head Screw } for securing item H

BELL SWITCH C.P. 2841/27

(See Fig. 27)

L	2841/109A	Switch Mounting Plate C.P. (Replacing Plate illustrated)
M	2841/110A	Contact Push Button
	2841/134	Bell Switch Set C.P. <i>comprises:-</i>
	2841/131	Contact Bank Base Strip C.P. (not shown)
	LP57810	Insulating Bush (3 per set) for items T and U
N	LP58806	Clamp Plate
O	LP59961	Spring Assembly
P	LP126461	Spring Assembly
Q	LP58801	Insulating Strip
R	LP58802	Insulating Strip
S	LP59237	Clamp Plate
T	PS2125-1	Std. 6BA Screw
U	PS6225	Knurled Screw
	PS2141-1	Std. 6BA Screw
V	LP59248	Clamp Plate
W	LP59210	Buffer Block
X	PS2125-1	Std. 6BA Screw (2 per set)
	2844/44A	Bell Switch Arm (See item BH on page 29)
	PS7041	Special Screw (2 per set)

PAPER FAILURE ALARM SWITCH C.P. 2841/41

(See Fig. 27)

Y	2841/42	Switch Mounting Plate C.P.
Z	LP59238	Clamp Plate
AA	LP59514	Spring Assembly
AB	LP59600	Spring Assembly
AC	LP59512	Spring Assembly
AD	LP59245	Insulating Strip (3 per set)
AE	LP59243	Insulating Strip
AF	LP59237	Clamp Plate
AG	PS2125-1	Std. 6BA Screw (2 per set)
	PS2122-1	Std. 6BA Screw (centre screw)
AH	LP59210	Buffer Block
AJ	LP59248	Clamp Plate
AK	PS2122-1	Std. 6BA Screw (2 per set)

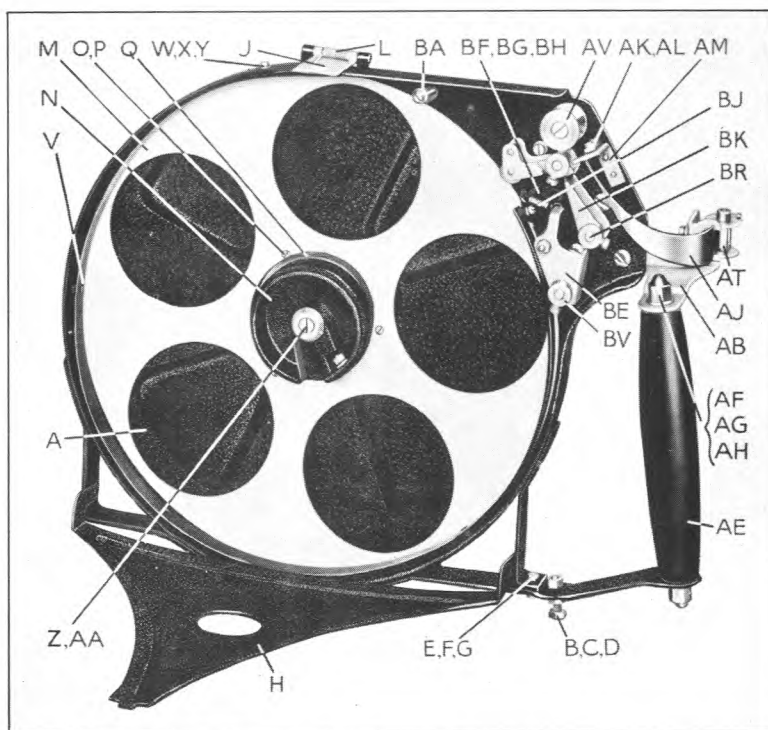


FIG. 28 TAPE ROLL HOLDER

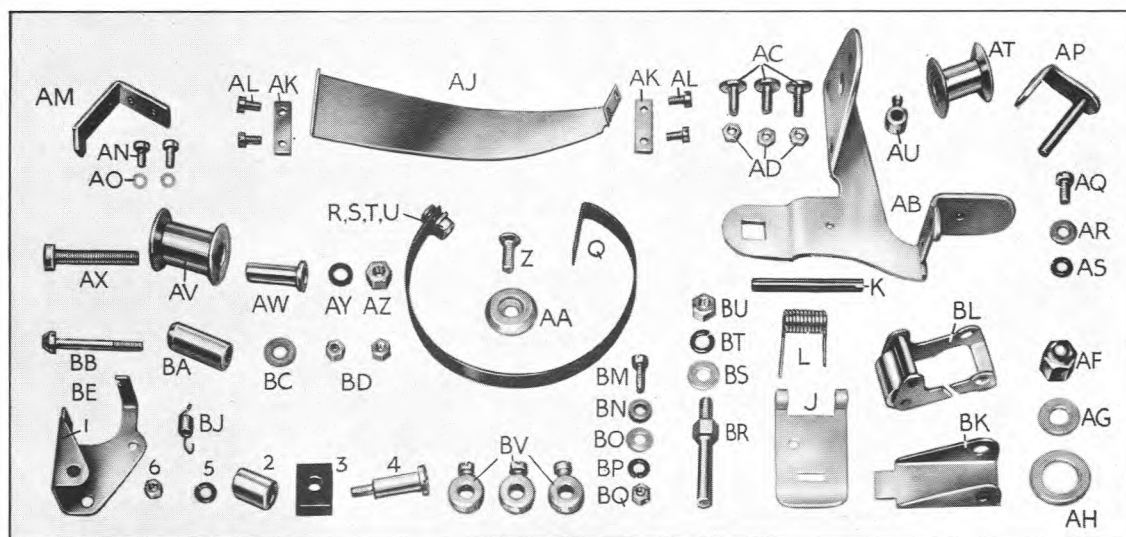


FIG. 29 TAPE ROLL HOLDER COMPONENTS

TAPE ROLL HOLDER UNIT (TYPE 2) S2851A

(See Figs. 28 & 29)

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>
BODY AND GATE		
A	2851/1	Tape Roll Holder Body C.P. <i>includes:-</i>
B	PS1736-1	Std. 4BA Screw
C	PW2026	Std. 4BA Spring Washer
D	PN1009-1	Std. 4BA Nut (2 per set)
	2851/5	Boss
	PS2494-1	Std. 8BA Screw
	PW2050	Std. 8BA Spring Washer
	PN1517-1	Std. 8BA Nut
		} 3 per set, for securing item 2851/5
E	PS2075-1	Std. 6BA Screw
F	PW1061-1	Std. 6BA Washer
G	PN1013-1	Std. 6BA Nut
H	2851/10A	Tape Roll Holder Gate C.P.
J	2851/13	Latch
K	PP1138	Parallel Pin (Latch pin)
L	2851/32	Latch Spring
TAPE WHEEL GUARD		
M	2851/48	Tape Wheel C.P. <i>comprises:-</i>
	2851/33	Tape Wheel
N	2851/15A	Tape Wheel Centre
O	PS2458-1	Std. 8BA Screw
P	PN1517-1	Std. 8BA Locknut
		} 3 per set, for securing item N
Q	2851/34	Tape Wheel Spring
R	PS5292	Special Screw (Items S, T, U are no longer required)
V	2851/47	Tape Guard C.P.
	PS2456-1	Std. 8BA Screw
	PW2050	Std. 8BA Spring Washer
	PW1065-1	Std. 8BA Washer
		} for securing item V to item BF
W	PS2445-1	Std. 8BA Screw
X	PW1065-1	Std. 8BA Washer
Y	PW2050	Std. 8BA Spring Washer
Z	PS1696-1	Std. 4BA Screw
AA	PW5090	Special Washer
		} for securing item M to item A
HANDLE AND TAPE GUIDES		
AB	2851/9	Handle Support and Tape Guide
AC	PS5289	Special Screw
AD	PN1513-1	Std. 6BA Locknut
		} 3 of each per set, for securing item AB
AE	2851/16	Handle C.P.
AF	PN6016	Special Nut
AG	PW1053-1	Std. 2BA Washer
		} 2 of each per set
AH	PW5111	Special Washer
AJ	2851/20A	Tape Guide Strip
AK	2851/19	Clamp Plate (1 at each end of item AJ)
AL	PS2445-1	Std. 8BA Screw (2 per clamp plate)
AM	2851/18	Tape Guide Strip Bracket
AN	PS2445-1	Std. 8BA Screw
AO	PW1065-1	Std. 8BA Washer
		} 2 of each per set
AP	2851/51	Roller Bracket C.P.
AQ	PS2057-1	Std. 6BA Screw
AR	PW1061-1	Std. 6BA Washer
AS	PW2037	Std. 6BA Spring Washer
		} for securing item AP
AT	RL1102	Tape Roller
AU	CS1016	Set Collar and Screw
AV	2851/21	Tape Guide Roller
AW	2851/22	Spacing Sleeve
AX	PS1777-1	Std. 4BA Screw
AY	PW2026	Std. 4BA Spring Washer
AZ	PN1009-1	Std. 4BA Nut
BA	2851/44	Tape Guide Roller
BB	PS6991	Special Screw
BC	PW1013-1	Std. 6BA Washer
BD	PN1013-1	Std. 6BA Nut (2 per set)
TAPE ROLL BRAKE		
BE	2851/54	Tape Roll Brake C.P. <i>comprises:-</i>
BE1	2851/39	Tape Roll Brake
BE2	2851/43	Spacer
BE3	2851/46	Brake Pad
BE4	PS6992	Special Screw
BE5	PW2037	Std. 6BA Spring Washer
BE6	PN1013-1	Std. 6BA Nut
BF	2851/37A	Anchor and Stop Plate
BG	PS2457-1	Std. 8BA Screw
	PW2050	Std. 8BA Spring Washer
		} 2 of each per set, for securing item BF
BH	PN1017-1	Std. 8BA Nut
BJ	PG7040A	Tension Spring
BK	2851/38	Intermediate Lever
BL	2851/53	Tape Jockey C.P. <i>includes:-</i>
	2851/40	Tape Jockey
	2851/41	Jockey Plate
	2851/45	Tape Roller
	2851/60	Tape Roller Spindle (2 per set)
	PW2050	Std. 8BA Spring Washer
	PN1517-1	Std. 8BA Locknut
		} 4 of each per set, for securing spindles
BM	PS2075-1	Std. 6BA Screw
BN	PW5150	Special Washer
BO	PW1061-1	Std. 6BA Washer
BP	PW2037	Std. 6BA Spring Washer
BQ	PN1013-1	Std. 6BA Nut
BR	PP5539	Pivot Pin
BS	PW1009-1	Std. 4BA Washer
BT	PW2026	Std. 4BA Spring Washer
		} 3 of each per set, for securing items BE, BK and BU
BU	PN1009-1	Std. 4BA Nut
BV	CS1046	Set Collar and Screw (3 per set) for retaining items BE, BK and BL

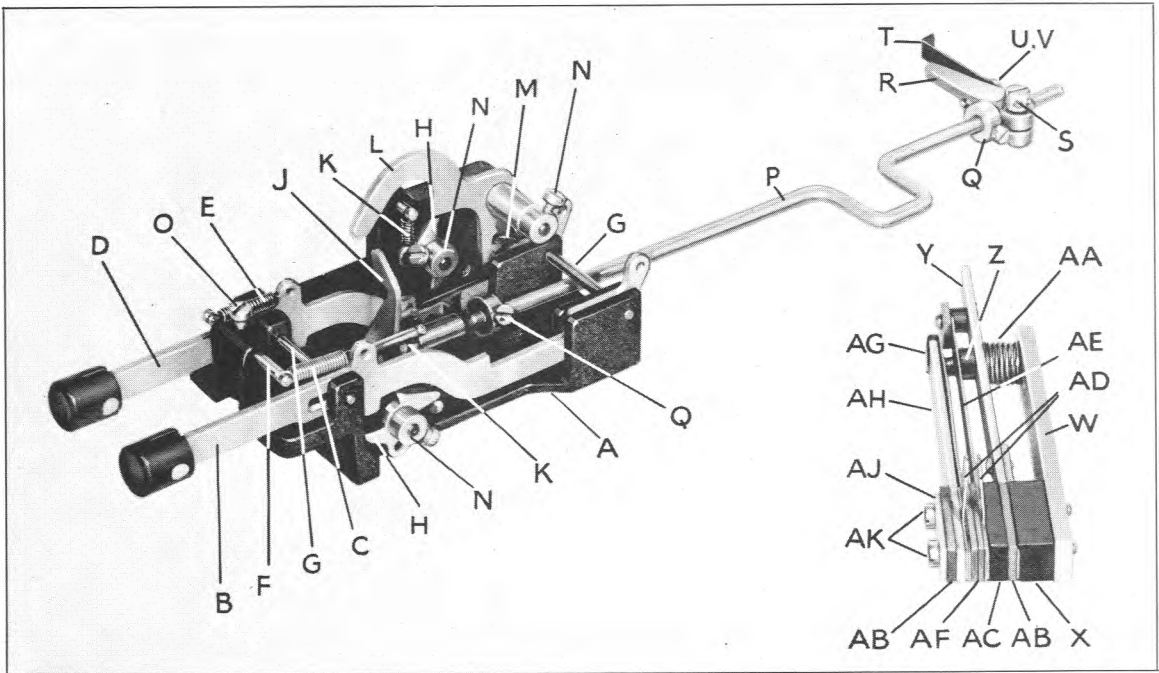


FIG. 30 STARTER SWITCH MECHANISM C.P.
AUTOMATIC-START ROCKSHAFT
STARTER SWITCH CONTACTS C.P.

STARTER SWITCH MECHANISM UNIT S.2842

(See Fig. 30)

<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>
A	2842/1	Switch Mechanism Body C.P. (<i>comprises machined and enamelled casting with pins driven in.</i>)
B	2842/4	Push Rod C.P. (<i>START</i>) with green push button
C	PG7174	Tension Spring (<i>for item B</i>)
D	2842/3	Push Rod C.P. (<i>STOP</i>) with red push button
E	PG7055	Tension Spring (<i>for item D</i>)
F	PP4531	Spring Anchor Pin (<i>for items C and E</i>)
G	PP1111	Parallel Pin (<i>2 per set</i>)
H	2842/10	Latch (<i>2 per set</i>)
	PW5556	Special Washer (<i>2 per set</i>) under items H
J	2842/8	Contact Latch C.P.
	CS1010	Set Collar and Screw (<i>for securing item J</i>)
K	PG7080	Tension Spring (<i>2 per set</i>) for item J
L	2842/11	Switch Return Lever C.P.
M	PG7206	Tension Spring (<i>for item L</i>)
N	CS1102	Set Collar and Screw (<i>3 per unit</i>) for securing items H and L
O	PS2443-1	Std. 8BA Screw (<i>3 per unit</i>) for securing items F and G
	EC5034	Eccentric
	PS2157-1	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
	PW2038	Std. 6BA Spring Washer

} *Adjuster for Starter Switch***AUTOMATIC-START ROCKSHAFT**

(Part of Main Base S2841B and S2931A)

(See Fig. 30)

P	2841/46	Rockshaft C.P. (<i>includes 1 off item Q</i>)
Q	CS1025	Set Collar and Screw
R	2841/96	Starter Lever Boss
S	PS2088-1	Std. 6BA Cap.hd Screw
T	2841/97	Starter Lever
U	PS2061-1	Std. 6BA Screw
V	PW1013-1	Std. 6BA Washer

STARTER SWITCH CONTACTS C.P. 2849/14

(Part of Motor Circuit Pillar Unit S.2849)

(See Fig. 30)

W	2849/15	Starter Switch Base
X	LP17424	Insulating Piece, $\frac{1}{4}$ " thick
Y	2849/21	Contact Operating Bar C.P. <i>includes:-</i>
Z	2849/25	Ebonite Spacing Collet
AA	PG3086	Compression Spring
AB	LP25868	Insulating Piece, $\frac{1}{16}$ " thick (<i>2 per switch</i>)
AC	LP17213	Insulating Piece, $\frac{1}{8}$ " thick
AD	2848/18A	Contact Tag (<i>2 per switch</i>)
AE	2849/19	Contact Blade C.P. (<i>moving</i>) <i>includes:-</i>
	PC1023	Tungsten Contact
AF	LP17425	Insulating Piece, $\frac{3}{64}$ " thick (<i>2 per switch</i>)
AG	2849/16	Contact Blade C.P. (<i>fixed</i>) <i>includes:-</i>
	PC1023	Tungsten Contact
AH	2849/17	Contact Blade Stop
AJ	2849/47	Clamp Plate
AK	PS2396-1	Std. 7BA Screw (<i>2 per switch</i>)
	LP17554	Insulating Bush, 0.370" long, (<i>4 per switch</i>)

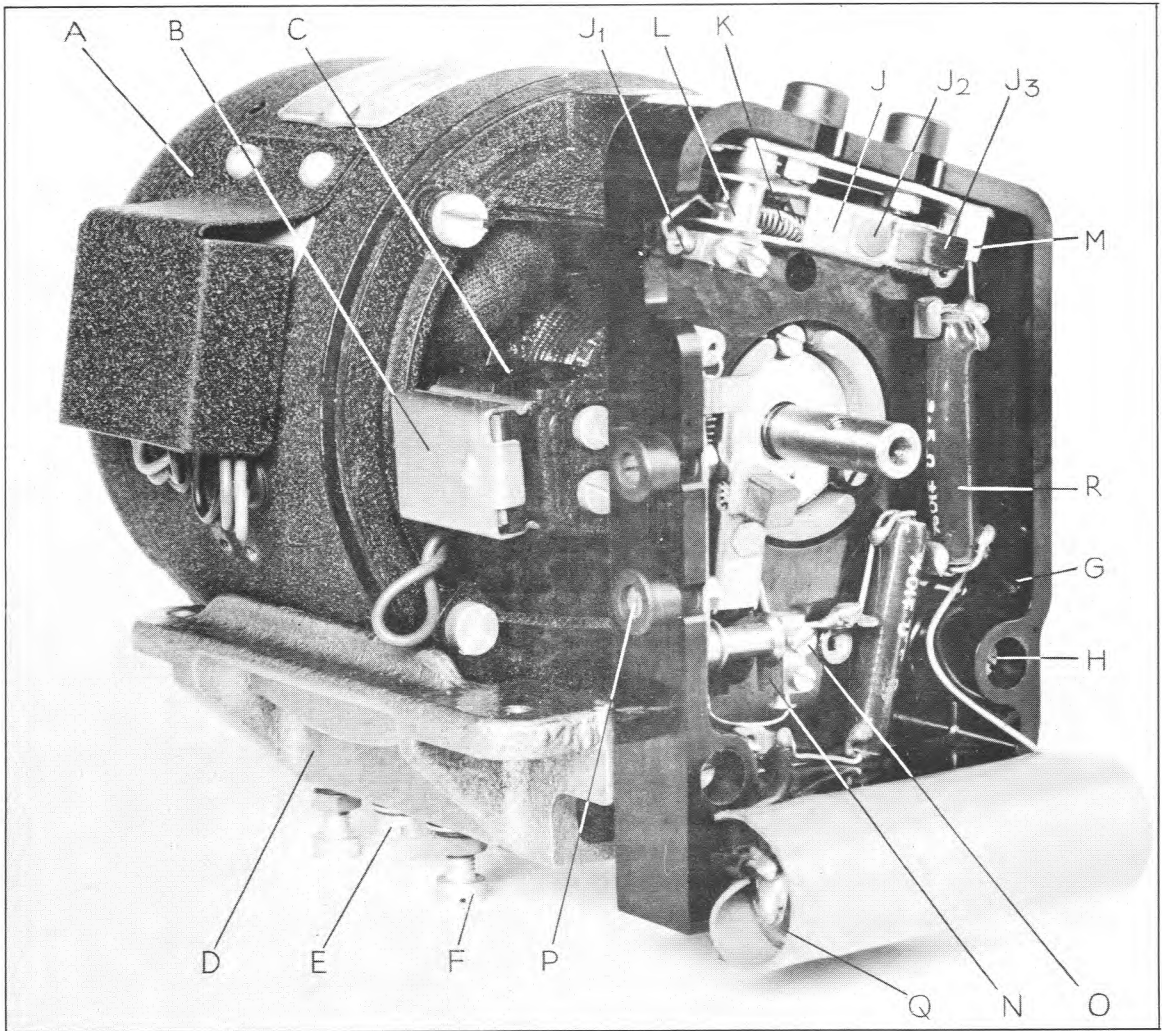


FIG. 31 MOTOR AND CONNECTION PANEL UNIT (KBE MOTOR)

MOTOR AND CONNECTION PANEL UNIT

Type 3 - S2846A for KBE Motor
Type 4 - S2846B for KBF Motor

(See Fig. 31)

Index Letter	Part No.	Part Name
MOTOR (State voltage and frequency required)		
A	Ref. 200 (KBE)	Motor Unit AC/DC includes:-
	AA1/2	Brush C.P. includes:-
	AB1/2	Brush only
B	1858/42	Brush Box Cover C.P. } 2 of each per Motor
C	2929/100	Brush Box C.P. }
	BO2874	Ball Race
	1858/26A	Drip Proof Cover (not shown)
	PS1716-1	Std. 4BA Screw (for securing cover)
	or alternatively:- (NOT SHOWN)	
	Ref. 402 (KBF)	Motor Unit AC/DC (supplied only for voltages over 200V AC) includes:-
	AA11/1	Brush C.P. includes:-
	AB11/1	Brush only
	3905/7A	Brush Box Cover } 2 of each per Motor
	4031/4	Brush Box }
	BO3879	Ball Race
	4031/3	Drip Proof Cover
	PS1702-1	Std. 4BA Screw (for securing cover)
MOTOR CRADLE		
<i>For KBE Motor</i>		
D	2846/43A	Motor Cradle C.P.
E	PS1210-1	Std. 1BA Screw
	PW1003-1	Std. 1BA Washer
	PW2009	Std. 1BA Spring Washer } 2 of each per set, for securing Cradle to Motor
F	PS6999	Special Screw
	PW1005-1	Std. 2BA Washer
	PW2013	Std. 2BA Spring Washer } 4 of each per set, for adjusting height of Motor
	PN1505-1	Std. 2BA Locknut }
	or alternatively:- (NOT SHOWN)	
<i>For KBF Motor</i>		
	2846/61	Motor Cradle C.P.
	2846/63	Motor Support Plate C.P. includes:-
	PS1451-1	Std. 2BA Screw
	PW2013	Std. 2BA Spring Washer
	PN1005-1	Std. 2BA Nut
	2846/57	Motor Support Plate (Governor End)
	PS1162-1	Std. 1BA Screw
	PW2009	Std. 1BA Spring Washer } 4 of each per set, for securing Support Plates
	PS1439-1	Std. 2BA Screw
	PW1005-1	Std. 2BA Washer
	PW2013	Std. 2BA Spring Washer } for adjusting height of Motor
	PN1505-1	Std. 2BA Locknut }
ABUTMENT PLATE		
	2319/143	Abutment Plate
	PS2077-1	Std. 6BA Screw
	PW1013-1	Std. 6BA Washer
	PW2037	Std. 6BA Spring Washer } 2 of each per set, secured to Motor Cradles, not visible.
CONNECTION PANEL		
G	2846/49 Gr.1.	Motor Connection Panel C.P. (for KBE Motor)
	PS1719-1	Std. 4BA Screw (not visible) } for securing item G
H	PS1740-1	Std. 4BA Screw (2 per set) }
	2846/62	or Motor Connection Panel C.P. (for KBF Motor) NOT SHOWN
	PS1771-1	Std. 4BA Screw (2 per set) for securing item 2846/62
J	2846/55	Contact Arm C.P. includes:-
J1	2846/48	Flexible Link C.P.
J2	PS7023	Special Screw
	PN2014-15	Std. 6BA Round Nut
J3	2846/46	Contact Plate C.P. } 2 of each per set
K	PG7205	Contact Arm Spring
L	2846/14	Contact Arm Bush
M	2846/37	Brush Arm Pivot Plate C.P.
N	2846/45	Connection Collar
O	PS2431-15	Std. 8BA Screw (4 per set) for items N
	PW5492	Special Washer (4 per set max.) between items L and M
P	PS2110-15	Std. 6BA Screw
	2846/39	Insulating Bush } 4 of each per set, for securing items J
	2846/38	Spacing Washer }
	PN1014-15	Std. 6BA Nut
Q	2846/51 Gr.1.	Capacitor C.P. (0.1 uF)
R	BO2878/2	Fixed Resistor (3.5 ohms) 2 per set, for KBE Motor (136V-250V)
	BO2878/1	or Fixed Resistor (1.7 ohms) 2 per set, for KBE Motor (85V -135V)
	BO2724	or Fixed Resistor (5 ohms) for KBF Motor, NOT SHOWN
	2846/50	Contact Strip
	PS2046-15	Std. 6BA Screw } 4 of each per set
	PS2112-15	Std. 6BA Screw }
	PW5005	Special Washer } not visible
	PN1514-15	Std. 6BA Locknut } 7 of each per set

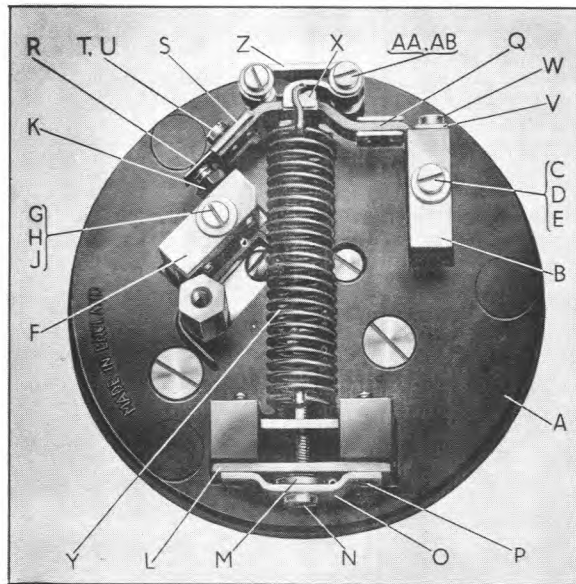


FIG. 32

SERIES GOVERNOR UNIT S1910

(Cover Removed)

State bore and speed when ordering,
 $\frac{5}{16}$ " bore and 3000 r.p.m. are standard.

Index Letter	Part No.	Part Name
A	1910/33 Gr.1.	Governor Base Sub C.P. $\frac{5}{16}$ " bore, comprises Base moulding assembled with slip rings, governor boss and the following replaceable parts:—
B	1910/5A	Contact Arm Mounting Block
C	PS2205-1	Std. 6BA Screw
D	PW4002-15	Std. 6BA Spring Washer
E	PW1013-1	Std. 6BA Washer
F	1910/13	Contact Block
G	PS6097	Special Screw
H	PW4002/15	Std. 6BA Spring Washer
J	PW1013-1	Std. 6BA Washer
K	PC3006	Contact Screw
	1910/14A	Cover Pillar
	1910/37	Earthing Strip
	1910/47	Base Insulating Plug
L	1910/17A	Governor Spring Plate
	PW5573	Special Washer (2 per set) under Item L
M	PW5547	Special Washer
N	PS7034	Special Screw
O	1910/96	Governor Spring Clamping Plate
P	PS2159-1	Std. 6BA Screw (2 per set) for securing Item O
	1910/12	Contact Arm C.P. comprises:—
Q	1910/27A	Contact Arm Sub C.P.
R	1910/52	Contact Blade C.P.
S	1910/51	Clamp
T	PW2037	Std. 6BA Spring Washer
U	PS2042-1	Std. 6BA Screw
V	1910/6	Contact Arm Keep Plate
W	PS2061-1	Std. 6BA Screw
X	1910/26	Contact Arm Saddle
Y	1910/19A	Governor Spring C.P. (State Speed - Standard speed is 3000 r.p.m.)
Z	1910/87	Governor Arm Stop Spring
	1910/88	Flanged Bush (2 per set) under Item Z
AA	PS2189-1	Std. 6BA Screw
	1910/89	Special Washer
	1910/76A	Governor Cover (not shown)
	PS1002-1	Std. 4BA Screw (for securing cover)

TYPICAL TYPEHEAD ARRANGEMENT
Typehead Chart 47/1000/1 as used by the British Post Office

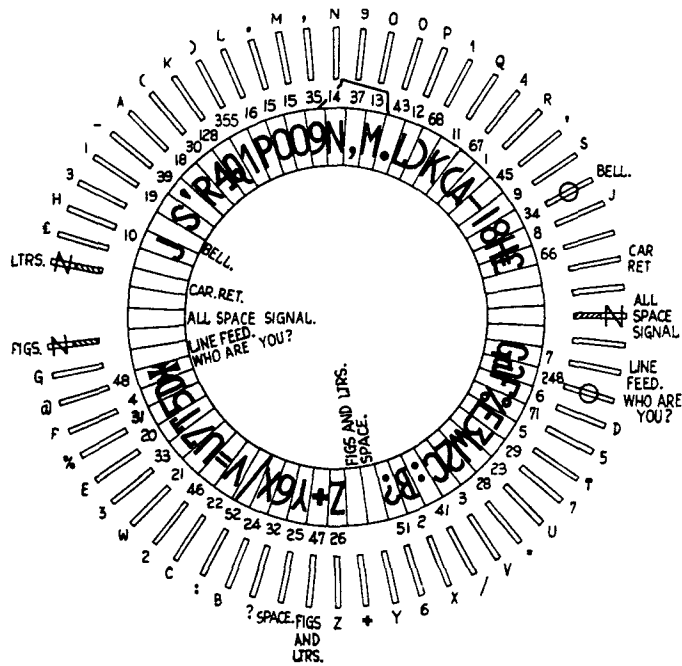


FIG. 33

- 57 Bellcranks, 1400/35A
- 2 Control Bellcranks, 1826/89
- 3 Dummy Control Bellcranks, 1926/4

- NOTE 1. *The outer circle of characters around the bellcranks denotes the type characters or functions that the bellcranks select.*
2. *The inner circle of numbers around the types corresponds with the type character numbers used for ordinary purposes.*
3. *The slot in the typerack for the type letter N always coincides with the stop face of the Type Stop.*
4. *A Typehead Chart for any teleprinter not conforming to the above Chart, 47/1000/1, can be supplied on application if the machine serial number is specified.*

TOOLS

Tool Kits are supplied only if specifically ordered and are not included in the price of the complete machine. When a number of Teleprinters are employed at one location one tool kit per machine is not normally necessary, but a smaller number of kits than the number of Teleprinters, sufficient for the personnel who will maintain the machines. The required quantity of Tool Kits should be specified when ordering the machines.

TOOL KIT NO. 31

TA 1008	1 Spring Hook	
TA 1011	1 Tommy Pin (Medium)	
TA 1020	1 Tommy Pin (Small)	
TA 1039	1 Spanner OBA and 1BA	
TA 1038	1 Spanner 2BA and 3BA	
TA 1022	2 Spanners 4BA and 6BA	
TA 1036	1 Spanner 8BA and 10BA	
* TA 1048	1 Camshaft Spanner 'A'	} For Answer-Back Unit
* TA 1047	1 Camshaft Spanner 'B'	
* TA 1051	1 "C" Spanner	
* TA 1052	1 Hex Spanner	
* TA 1127	1 Pin Spanner	
TA 1115	2 Spanners 1/4" Whit. (for Receiver Cam-shaft, lock-nut)	
TA 1113	1 Box Spanner 6BA	
TA 1027	1 Burnisher C.P.	
* TA 1117	1 Fork Stroboscope (speed 125 v.p.s. for 50 Bauds)	
TA 1053	1 Screwdriver 3 1/2" x 1/10"	
8549	1 Screwdriver 5" x 1/8"	
TA 1148	1 Screwdriver 5" x 1/4"	
8620	2 Oil Cans (watch pattern)	
8199	1 Pair of Tweezers.	
TA 1118	Typehead Clamp	
TA 1123A	1 Double Ended Pin Gauge	
TA 1110	1 Governor Adjusting Clamp	

* Tool Kit No. 30 for the No.47R Tape Teleprinter, Receiving only, does not include the items marked with an asterisk.

ADDITIONAL MAINTENANCE TOOLS *(Supplied when ordered)*

9102	Feeler Gauges.
1285/84	Spring Balance (0-12ozs)
1285/35	Spring Balance (0-4lbs)

ACCESSORIES

Accessories are now handled on the same basis as Tool Kits, being no longer included in the price of a complete machine, and supplied only if ordered:-

ACCESSORIES LIST NO. 31

- | | | |
|---------|--|-----------------------------|
| + 8191 | 1 Coil Printer Tape "ABARP" (ungummed) | |
| TA 1095 | 1 ¼ pt. Can No. 1. Lubricant | |
| TA 1096 | 1 ¼ pt. Can No. 2. Lubricant | |
| TA 1097 | 1 2 oz. Tin No. 4. Lubricant | |
| TA 1098 | 1 2 oz. Tin No. 5. Lubricant | |
| | 1 Copy of Typehead Chart | } As specified On D. Order. |
| | 1 Copy of Keyboard Chart | |
| | * 1 Instruction Booklet No. 47K (Type N3 & N4 Keyboards) | |
| | 1 Instruction Booklet No. 47R (Receiver) | |
| | * 1 Part List No. 1047K (Type N3 & N4 Keyboards) | |
| | 1 Part List No. 1047R (Receiver) | |

* *Not required for Model 47R Tape Teleprinter, Receiver only.*

+ *Gummed Paper Tape, code word "AGARP" can be supplied if specified on order. Gummed tape is not satisfactory in humid climates, unless it is stored and used where there is a suitable air-conditioning to prevent the convolutions of the coils from sticking to each other.*

NUMERICAL INDEX

Part No.	Part Name	Page	Index Letter	Part No.	Part Name	Page	Index Letter
740/101	Comb Distance Ring ..	27	H	1832/1	Connection Block	35	AO
1160/693B	Pawl Distance Piece ..	18	AW3	/17	Safety Plate	35	AE
1300/8	Comb Setting Finger			/27B	Base Casting C.P. . . .	35	AA
/258	Front Plate	19	BW5	/30A	Retaining Plate	35	AG
	Setting Link	19	BY	/36	Retaining Plate Collar	35	AH
1400/4	Set of Combs.	27	E	1834/8A	Hammer Link Bearing C.P.	33	A
/30	Comb Distance Ring ..	27	L	/9	Hammer Link..	33	C
/32	Bellcrank Rack	27	M	1836/69	Rubber Foot	9	S
/35A	Standard Bellcrank .. .	27	P	1837/36	Cover Foot	13	D
1410/30	Retaining Plate.. . . .	34	C	1858/26A	Drip Proof Cover	47	C
1660/786	Shock Absorber Spring..	18	AT	/42	Brush Box Cover C.P.	47	B
1700/157	Type Retaining Plate ..	25	L	S1910	Governor Unit	48	—
1826/8	Bellcrank Rack C.P. . .	27	K1	1910/5A	Contact Arm Mounting		
/9	Bellcrank Rack and			/6	Block	48	B
	Shift Lever C.P.	27	K	/12	Contact Arm Keep Plate	48	V
/11	Shift Comb Lever C.P.	27	K3	/13	Contact Arm C.P.	48	P
/12	Shift Comb C.P.	27	G	/14A	Contact Block	48	F
/17C	Body Front Plate C.P.	27	A	/17A	Cover Pillar	48	K
/19	Locating Ring	27	C	/19A	Governor Spring Plate..	48	L
/20	Rear Bearing..	27	V	/26	Governor Spring C.P. . .	48	Y
/23	Clamp Strap	23	N	/27A	Contact Arm Saddle .. .	48	X
/24	Comb Stop	29	AP	/33	Contact Arm Sub C.P. . .	48	Q
/70	Body and Key C.P. . . .	27	B	/37	Governor Base Sub C.P.	48	A
/89	Control Bellcrank "O" ..	27	P	/47	Earthing Strip	48	K
/97B	Clutch Lining	27	AF	/51	Base Insulating Plug ..	48	K
/107	Comb Distance Ring .. .	27	J	/52	Clamp	48	S
/127	Bellcrank Bearing	27	N	/76A	Contact Blade C.P. . . .	48	R
/128	Oil Wick Retainer C.P.	27	N	/87	Governor Cover	48	AB
1827/9	Spring Anchor Ring.. . .	25	N	/87A	Governor Arm Stop Spring	48	Z
1830/12D	Detent	18	BH4	/88	Flanged Bush	48	Z
/14C	Ratchet C.P.	18	AU	/89	Special Washer	48	AB
/15C	Detent Shock Absorber	18	BH1	/96	Governor Spring Clamping		
/18A	Detent Spring Strip.. . .	18	BJ		Plate	48	O
/27	Comb Setting Finger .. .	19	BW2	1925/4	Operating Link	19	BU
/34	Lifting Block	18	AJ2	1926/3	Bellcrank Lifting Collar		
/35A	Bellcrank Lifting			/4	C.P.	27	U
	Lever C.P.	18	AJ		Dummy Control Bellcrank		
/36	Finger Setting Blade .. .	19	BP1		"Z"	27	Q
/39	Finger Setting Blade C.P.	19	BP	2258/16	Terminal Block	13	AK
/43	Typehammer Lever C.P.	18	BC	2263/6	Inductor (500 uH)	15	AL
/44A	Cam Lever Plate	17	H	2319/143	Abutment Plate	13	P
/47	Resetting Link Lever					23	E
	C.P.	19	BZ			47	F
/55	Clamping Strip	17	Y18	S2840B	Teleprinter Sub Assembly		
/56	Spring Clamping Plate..	17	Y15	(KBE Motor)	11	—	
/57	Bearing Spring	17	Y2	S2840C	Teleprinter Sub Assembly		
/59	Traversing and Paper			(KBF Motor)	11	—	
	Alarm Lever Plate	17	W	2840/1	Spiral Gear "B"	27	X
/68A	Finger Adjusting Pin			/2	Tape Unit Hinge (R.H.)	11	K
	Clamp	19	BT2	/4	Clamp Plate	11	L
/74	Finger Resetting Trip			/5	Rear Stand	13	C
	Bellcrank..	17	Y9	/6	Tape Roll Holder Bracket		
/82	Thrust Washer	18	AV		Sub C.P.	9	Q1
/95	Comb Finger Plunger C.P.	19	BW7	/12	Abutment Plate	13	M
/98	Bellcrank Lifting Lever			/13	Typehead Bearing Plate		
	Sub C.P.	18	AJ1		C.P.	23	B
/102A	Comb Finger Block Sub			/16	Typehead Bearing Bracket		
	C.P.	19	BW1		C.P.	23	D
/106	Oil Pot	17	H	/23	Guide Spring..	9	P
/107	Oil Pot C.P.	19	BP2	/24	Latch	9	Q2
/110A	Pawl	18	AW2	/25	Tape Roll Holder Bracket		
/142	Bearing Block	19	BN1		C.P.	9	Q
/148	Striker Blade Guide			/27	Guide Bracket	9	Q5
	(lower)..	19	BL4	/32	Typehead Front Bearing		
/149	Striker Blade Guide				Bracket C.P.	23	A
	(upper)..	19	BL2	/33	Driving Disc..	31	B4
/150	Spacer..	19	BL3	/34A	Coupling	31	B1
/158	Special Screw	19	BM	/35	Motor Coupling C.P. . .	31	B
/176	Comb Finger Bearing .. .	19	BW4	S2841B	Base Assembly	13	—
/177	Set of Comb Setting						
	Finger Springs	19	BW3				

Part No.	Part Name	Page	Index Letter	Part No.	Part Name	Page	Index Letter
2841/1	Base Casting C.P.	13	A	2844/29	Resetting Bellcrank		
/4	Signals R.I.S. & Keyboard			/30	Trip Plate	29	S
	Jack C.P.	15	AL	/31	Guide Bracket	29	AE
/13	Keyboard Jack C.P.	15	AM	/32	Control Lever Rack	29	AZ
/15	Contact Blade (L.H.)	15	AM	/37	Typehammer Bearing		
/16	Contact Blade (R.H.)	15	AM	Plate C.P.	29	AM	
/25	Capacitor and Cable			/39	"Bell" Control Lever C.P.	29	BG
	Cleat	15	AR	/40	Feed Throw-out Rod	29	Z
/26	Abutment Plate	13	G	/43	Feed Throw-out Lever		
/27	Bell Switch C.P.	41	—	Bearing Plate C.P.	29	W	
/30	Tape Unit Hinge (L.H.)			Feed Throw-out Lever..	29	X	
	C.P.	41	—	/44A	Bell Switch Arm.. . . .	29	BH
/32	Bracket C.P.	41	A	/46	A/B Release Bellcrank	41	X
/33	Alarm Operating Lever	41	B	Spring	29	AX	
/39	Eccentric Pin	41	H	/50	A/B Control Lever C.P.	29	BD
/40	Clamp Plate	41	J	S2845C	Cam Unit	17	—
/41	Paper Failure Alarm			2845/1A	Cam Unit Casting C.P.	17	A
	Switch C.P.	41	—	/6	Trip Shaft Sub C.P.	19	BL1
/42	Switch Mounting Plate			/9	Release Lever Bracket		
	C.P.	41	Y	Sub C.P.	21	W	
/46	Rockshaft C.P.	45	P	/21	Traversing Link Sub C.P.	17	Y1
/50	Rockshaft Bearing	15	BS	/24	Spring Guide	17	Y4
/51	Strapping Block C.P.	15	AZ	/28	Roller Retainer	17	AE
/54	Insulator	15	AZ	/29A	Clutch Plate C.P.	21	AV
/58	Cable Cleat	15	BC	/31	Retaining Plate (bottom)	21	N
/82	Cable Cleat	15	BD	/32	Adjusting Block Friction		
/83	Cable Cleat	15	BE	Spring C.P.	21	K	
/84	Alarm Resetting Lever	41	E	/36	Clutch Nut	21	AY
/89	Terminal Cover	15	AO	/37	Adjusting Block C.P.	21	L
/90B	Handle.	13	B	/40	Retaining Plate (top)	21	M
/96	Starter Lever Boss.. . . .	45	R	/42	Guide Support Block	21	E
/97	Starter Lever.. . . .	45	T	/43	Adjusting Block Guide	21	G
/100	Plug Mounting Bracket	15	BL	/44A	Retaining Ring	21	AR
/101	Plug Mounting Plate	15	BL	/45	Support Plate C.P.	21	B
/102	Cable Retaining Plate.. . . .	15	BK	/49	Detent Retaining Plate	21	AG
/103	Distance Piece Casting	15	BL	/54A	Pilot Cam C.P.	21	AU
/109A	Switch Mounting Plate			/61A	Trip Shaft Support		
	C.P.	41	L	Plate C.P.	21	AZ	
/110A	Contact Push Button	41	M	Release Adjustment			
/131	Contact Bank Base			Lever C.P.	21	Y	
/134	Strip C.P.	41	M	/78	Detent Connecting Link	18	BH5
	Bell Switch Set C.P.	41	M	/94A	Adjustment Lever Boss	21	AB
S2842	Starter Switch			/97	Oil Impregnated Bush	18	AO
	Mechanism C.P.	45	—	/98	Cam Thrust Washer.. . . .	18	AX
2842/1	Switch Mechanism Body			/99C	Receiving Cam C.P.	18	AW
	C.P.	45	A	/100	Cam Sub C.P.	18	AW1
/3	Push Rod C.P. (Stop)	45	D	/107A	Traversing Lever C.P.	17	Z
/4	Push Rod C.P. (Start).. . . .	45	B	/110A	Retention Lever C.P.	18	BE2
/8	Contact Latch C.P.	45	J	/111	Roller Clip	18	BE2
/10	Latch	45	H	/112	Comb Setting Finger		
/11	Switch Return Lever C.P.	45	L	Block C.P.	19	BW	
S2843	Combination Head Unit	27	—	/115A	Retention Lever Sub C.P.	18	BE2
2843/1A	Clutch Body C.P.	27	AB	/116A	Retention Lever Bracket	18	BE1
/2A	Clutch Body Sub C.P.	27	AC	/122A	Detent Lever Link	21	AQ
/3	Combination Head			/127	Detent Shock Absorber		
	Spindle	27	Z	C.P.	18	BH	
/7	Felt Oil Pad.. . . .	27	AE	/130	Trip Shaft Bearing C.P.	19	BN
/8	Clutch Band	27	AG	/131	Traversing Link C.P.	17	Y
/9	Common-Case Bellcrank			/132A	Retention Lever Bracket		
	"Y"	27	R	C.P.	18	BE	
S2844	Control Lever Unit.. . . .	29	—	/133	Comb Setting Lever C.P.	19	BT
2844/2	Control Lever Unit			/134B	Trip Shaft C.P.	19	BL
	Casting C.P.	29	A	/135	Release Lever Bracket		
/3	Control Lever Bearing			C.P.	21	V	
	Plate C.P.	29	D	/136	Adjusting Block Bracket		
/6	Feed Throw-out Lever			C.P.	21	A	
	Stop	29	H	/138A	Traversing and Paper		
/7	"Letters Shift" Control			Alarm Lever C.P.	17	M	
	Lever "A" C.P.	29	AJ	/140B	Camshaft	18	AR
/9	"Figures Shift" Control			/141	Special $\frac{5}{16}$ " B.S.F.		
	Lever "B" C.P.	29	AK	Locknut	18	BB	
/13	"All Space Signal"			/142	Spacing Washer	18	BA
	Control Lever "D" C.P.	29	M	/144A	Camshaft C.P.	18	AP
/17	Control Lever Rack	29	O	/146A	Clutch Body and Plate		
/18	A/B Release Bellcrank			C.P.	21	AT	
	Bearing Plate C.P.	29	AT	/148A	Set of Clutch Plates and		
/21	A/B Release Bellcrank			Pilot Cam C.P.	21	AS	
	C.P.	29	AW	/153	Traversing Link		
/25	Special Screw	29	AA	Retaining Arm C.P.	17	AG	
/26	Control Lever Rack C.P.	29	R	/158	Orientation Scale	21	C
				/160B	Camshaft Bearings C.P.	18	AN,AY

Part No.	Part Name	Page	Index Letter	Part No.	Part Name	Page	Index Letter
2845/161	Orientation Link and Spring C.P.	21	P	2849/6	Lamp Bracket C.P. . .	13	AF
/162	Orientation Link. . . .	21	P	/13	Cable Cleat	13	AH
/163	Special 6BA Nut	21	P	/14	Starter Switch Contacts C.P.	45	-
/164	Cam Release Lever and Bush C.P.	21	X	/15	Starter Switch Base . .	45	W
/165	Clamp Plate	21	P	/16	Contact Blade C.P. . . .	45	AG
/167	Gear Cover	21	AZ	/17	Contact Blade Stop. . . .	45	AH
/168	Oiling Pad	18	BE2	/18A	Contact Tag	45	AD
/169	Oil Pad Holder	18	BE2	/19	Contact Blade C.P. . . .	45	AE
/181	Detent Link Lever	19	BM	/21	Contact Operating Bar C.P.	45	Y
/183	Trip Shaft Operating Lever C.P.	19	BM	/25	Ebonite Spacing Collet	45	Z
/185	Spacing Washer C.P. . . .	18	AZ	/38	Capacitor C.P.	13	Y
S2846A	Motor and Cradle C.P. (KBE)	47	-	/40	Governor Resistor Unit	13	X
S2846B	Motor and Cradle C.P. (KBF)	47	-	/47	Clamp Plate	45	AJ
2846/14	Contact Arm Bush	47	L	S2850B	Tape Unit.	36	-
/37	Brush Arm Pivot Plate C.P.	47	M	2850/1B	Tape Unit Casting C.P.	36	A
/38	Spacing Washer	47	P	/3A	Tape Unit Latch	36	D
/39	Insulating Bush.	47	P	/5A	Ribbon Feed Wheel (R.H.) C.P.	37	AV
/43A	Motor Cradle C.P.	47	D	/6A	Ribbon Feed Wheel (L.H.) C.P.	37	AW
/45	Connection Collar	47	N	/7	Spool Retaining Plate C.P.	39	BP
/46	Contact Plate C.P.	47	J3	/10A	Retaining Pawl Pivot . .	36	L
/48	Flexible Link C.P.	47	J1	/11	Ribbon Feed Lever C.P.	37	AN
/49	Motor Connection Panel C.P.	47	G	/14A	Ribbon Feed Pawl C.P.	37	AO
/50	Contact Strip.	47	R	/16A	Ribbon Change Over Lever C.P.	38	AY
/51	Capacitor C.P.	47	Q	/19	Change Over Locating Arm.	38	AZ
/55	Contact Arm C.P.	47	J	/20A	Change Over Jockey C.P.	38	BA
/57	Motor Support Plate	47	F	/22A	Retaining Pawl C.P. . . .	37	AS
/61	Motor Cradle C.P.	47	F	/25	Jockey Lever C.P.	37	AT
/62	Motor Connection Panel C.P.	47	H	/27	Pressure Spring Arm . . .	38	BD
/63	Motor Support Plate C.P.	47	F	/33	Retaining Pawl Plate C.P.	37	AE
S2847A	Gear Unit.	31	-	/37	Tape Feed Roller C.P. . .	37	AL
2847/1	Gear Cover	31	AH	/39	Platen C.P.	39	BG
/3	Set Collar.	31	AC	/40	Platen Support Block C.P.	39	BJ
/6	Spindle	31	C	/49	Operating Lever C.P. . . .	37	S
/8	Gear Boss	31	O	/50	Feed Throw-out Pawl . . .	37	S1
/9	Set Collar	31	G	/52	Tape Feed Lever Sub C.P.	37	V
/13	Idler Gear Casting C.P.	31	U	/59	Pivot Block	37	V1
/14	Adjustable A/B Operating Lever C.P.	23	U	/60	Tape Feed Plate C.P. . . .	37	AC
/16	A/B Operating Lever C.P.	23	T	/62	Tape Pawl	37	AD
/21	Gear Cover	31	AH	/63	Tape Feed Ratchet. . . .	37	AJ
/24	Spindle	31	Z	/64	Ink Ribbon Guide (R.H.) C.P.	39	BL
/25	Spindle	31	J	/67	Ink Ribbon Guide (L.H.) C.P.	39	BM
/26	Gear Boss	31	X	/69	Clamp Plate	39	BL
/27	Abutment Plate	31	AE	/70	Ink Ribbon Guide Clamp Plate	39	BM
/28	Gear Unit Casting C.P.	31	A	/71	Ink Ribbon Support. . . .	39	BM
/33	Intermediate Spindle C.P.	31	J	/78A	Tape Take Off Plate	39	BK
/34	Idler Gear Spindle C.P.	31	V	/79	Spring Anchor Plate	36	G
/35	Gear and Boss C.P.	31	N	/80	Clamp Plate	36	J
S2848A	Operating Electromagnet Unit	34	-	/81	Pivot Block	37	V3
2848/3B	Field Unit C.P.	34	A	/82	Spring Anchor Tag	37	AQ
/4B	Armature C.P.	34	G	/84A	Tape Feed Spindle. . . .	37	AD
/5	Trip Shaft Trunnion	35	AS	/87	Guide Roller Pin	36	C
/13A	Bias Spring Slide C.P. . . .	35	R	/88	Anchor Plate C.P.	39	BL
/17	Slide Retaining Bracket	35	Q	/94	Damping Spring C.P. . . .	37	AX
/23	Draw Bolt Clamping Nut	35	AD	/99	Anchor Plate & Ribbon Guard C.P.	39	BM
/24B	Bias Adjusting Screw. . . .	35	AB	/104	Stop Bracket.	38	BF
/25A	Draw Bolt.	35	AB	/107	Latch Pivot Pin.	36	E
/40	Field Unit Cover C.P.	35	K	/108A	Pressure Roller and Lever C.P.	38	BC
/42A	Adjustable Magnet	35	H	/109	Square Nut	38	BF
/46	Clamp Stud	35	U	/110	Ink Ribbon Guard	39	BM
/48B	Armature Stop Plate	35	P	/114	Platen Support Plate C.P.	39	BH
/52	Trunnion Pivot	35	N	/116B	Alarm Trip Arm & Pivot C.P.	40	BR5
/55	Clamping Plate	35	AO	/119	Abutment Spring.	36	O
/56	Magnet Abutment	35	AM	/125A	Operating Lever Pivot C.P.	37	T
/57A	Armature Stop Plate C.P.	35	P	/129A	Tape Gripper.	40	BS3
/62	Electromagnet Winding C.P.	34	F	/136	Ink Ribbon Support (R.H.) C.P.	39	BL
/71	Coil Support	34	C				
S2849	Motor Circuit Pillar C.P.	13	X				

Part No.	Part Name	Page	Index Letter	Part No.	Part Name	Page	Index Letter
2850/137	Ink Ribbon Support			2853/5	Hammer Head	33	R
/138A	(L.H.) C.P. .. .	39	BM	/6	Typehammer Shackles ..	33	F
/164	Tape Feed Lever C.P.	37	V	/8	Retaining Plate C.P. ..	33	N
/165	Seeker Lift Plate C.P.	40	BS4	S2858C	Type N3 or N4 Non-		
/166	Seeker .. .	37	V		storage Keyboard .. .	7	B
/166	Seeker Lift Frame .. .	40	BS4	2859/27	Dummy Keyboard .. .	7	A
/172	Tape Gripper Lever C.P.	40	BS1	2860/8	Lamp Glass .. .	9	J
/174	Tape Gripper Bracket C.P.	40	BS2	/9	Lampholder Plug .. .	9	J
/175	Clamp Plate .. .	40	BQ	/15	Message Tray Fixing		
/177	Clamp Plate .. .	40	BR2		Stud .. .	9	O
/178	Pivot Block .. .	40	BR1	/16	Message Tray Location		
/179	Feed Pawl Bias Arm ..	37	AP		Stud .. .	9	P
/180	Bias Arm Stop .. .	37	AR	/27	Station Indicator C.P. ..	9	N
/182	Tape Gripper C.P. .. .	40	BS	/31	Message Tray C.P. .. .	9	N
/183	Guard C.P. .. .	39	BO	/39	Paper Holder Bracket ..	9	L
/184	Reset Lever .. .	37	U1	/40	Special Shouldered		
/185	Support Plate .. .	39	BO		8BA Screw .. .	9	N
/186	Reset Lever Block .. .	37	U	/44A	Paper Holder .. .	9	M
/188	Guard Sub C.P. .. .	39	BO	2862/16	Answer-Back Release		
/189	Spring Anchor .. .	40	BR8		Link .. .	23	Z
/190	Tape Roller Bracket C.P.	37	W	2866/12A	Pilot Cam Detent C.P.	21	AL
/192	Pivot Block C.P. .. .	40	BR	2929/100	Brush Box C.P. .. .	47	C
/194	Ink Ribbon Guard C.P.	39	BO	S2930A	Teleprinter Sub Assembly		
S2851A	Tape Roll Holder Unit..	43	-		(KBE Motor) .. .	11	-
2851/1	Tape Roll Holder Body			S2930B	Teleprinter Sub Assembly		
/5	C.P. .. .	43	A		(KBF Motor) .. .	11	-
/9	Boss .. .	43	D	S2931A	Base Assembly .. .	13	-
/9	Handle Support and Tape			2931/1	Dummy Signals R.I.S. ..	15	AL
	Guide .. .	43	AB	S2933	Control Lever Unit .. .	29	-
/10A	Tape Roll Holder Gate			S2934	Gear Unit .. .	31	-
	C.P. .. .	43	H	S2993	Typehead, Combination		
/13	Latch .. .	43	J		Head, Control Levers		
/15A	Tape Wheel Centre .. .	43	N		and Gear Unit .. .	23	-
/16	Handle C.P. .. .	43	AE	3010/6	Oil Impregnated Parallel		
/18	Tape Guide Strip Bracket	43	AM		Bush .. .	21	W
/19	Clamp Plate .. .	43	AK			23	C
/20A	Tape Guide Strip .. .	43	AJ			27	AD
/21	Tape Guide Roller .. .	43	AV			36	C
/22	Spacing Sleeve .. .	43	AW			37	AN
/32	Latch Spring .. .	43	L			39	BG
/33	Tape Wheel .. .	43	M			39	BJ
/34	Tape Wheel Spring .. .	43	Q	S3775	Silencing Cover .. .	8	-
/37A	Anchor and Stop Plate..	43	BF	3775/4	Tape Unit Cover C.P. ..	8	D
/38	Intermediate Lever .. .	43	BK	/9	Gasket C.P. .. .	8	-
/39	Tape Roll Brake .. .	43	BE1	/12	Clamp Plate .. .	8	-
/40	Tape Jockey .. .	43	BL	/15	Tape Reel Bracket .. .	9	P
/41	Jockey Plate .. .	43	BL	/17	Clamp Plate .. .	8	H
/43	Spacer .. .	43	BE2	/18	Tape Tear-Off Plate .. .	8	E
/44	Tape Guide Roller .. .	43	BA	/19	Clamp Plate .. .	8	E
/45	Tape Roller .. .	43	BL	/21A	Push Button (Green) .. .	8	-
/46	Brake Pad .. .	43	BE3	/22A	Push Button (Red) .. .	8	-
/47	Tape Guard C.P. .. .	43	V	/42	Spacer .. .	13	E
/48	Tape Wheel C.P. .. .	43	M	/43	Spacer .. .	13	E
/51	Roller Bracket C.P. .. .	43	AP	/45	"Here Is" Key Lever .. .	9	J
/53	Tape Jockey C.P. .. .	43	BL	/46	"Here Is" Key Button ..	9	K
/54	Tape Roll Brake C.P. ..	43	BE	/48	Answer-Back Trip Rod	9	J
/60	Tape Roller Spindle .. .	43	BL		Clamp Piece .. .	8	D
S2852	Typehead Unit .. .	25	-	/52	Latch .. .	8	G
2852/5	Type Stop Latch Arm C.P.	25	V	/53	Latch Bearing .. .	8	G
/9	Latch .. .	25	W	/54	Latch Piece .. .	8	D
/10A	Latch Spring .. .	25	X	/55	Flanged Pin .. .	8	G
/11A	Type Stop C.P. .. .	25	Q	/66	Stop Bracket .. .	9	P
/17	Friction Damping Spring	25	Z	/67	Guide Spring Bracket ..	9	P
/18	Compression Spring .. .	25	O	/68	Keep Plate .. .	9	P
/19	Thrust Collar .. .	25	AA	/70	Stop Spring .. .	8	H
/20	Oil Impregnated Thrust			/71	Spacing Collar .. .	8	H
	Washer .. .	25	AA	/80	Button C.P. .. .	8	-
/21A	Damping Washer .. .	25	P	3905/7A	Brush Box Cover .. .	47	C
/22	Type Rack Flange .. .	25	J	4031/3	Drip Proof Cover .. .	47	C
/36	Clamp Plate .. .	25	S				
/43	Typehead Boss and						
	Spindle C.P. .. .	25	A				
/44	Typehead Rack and						
	Spindle C.P. .. .	25	A				
/46	Type Rack Flange C.P.	25	H				
S2853	Typehammer Unit .. .	33	-				
2853/2	Typehammer Sub C.P. ..	33	K				
/3	Spacer .. .	33	T				
/4	Hammer Head Retaining						
	Plate .. .	33	P				

Part No.	Part Name	Page	Index Letter
4031/4	Brush Box	47	C
8363	S.K.F. EE.2. Ball Bearing	27	W
23930A	Taper Pin	41	C
23936A	Taper Pin	25	D
23955A	Locking Ring	27	K4
23956A	Locking Ring	18	BH3
AA1/2	Brush C.P.	47	A
AA11/1	Brush C.P.	47	C
AB1/2	Brush	47	A
AB11/1	Brush	47	C
LP17213	Insulating Piece	45	AC
LP17424	Insulating Piece	45	X
LP17425	Insulating Piece	45	AF
LP17554	Insulating Bush.. . . .	45	AK
LP25868	Insulating Piece	45	AB
LP57810	Insulating Bush.. . . .	41	M
LP58801	Insulating Strip	41	Q
LP58802	Insulating Strip	41	R
LP58806	Clamp Plate	41	N
LP59210	Buffer Block	{ 41	W
		{ 41	AH
LP59237	Clamp Plate	{ 41	S
		{ 41	AF
LP59238	Clamp Plate	41	Z
LP59243	Insulating Strip	41	AE
LP59245	Insulating Strip	41	AD
LP59248	Clamp Plate	{ 41	V
		{ 41	AJ
LP59512	Spring Assembly	41	AC
LP59514	Spring Assembly	41	AA
LP59600	Spring Assembly	41	AB
LP59961	Spring Assembly	41	O
LP126461	Spring Assembly	41	P
Ref.200	Motor (KBE)	47	A
Ref.402	Motor (KBF)	47	C
BB NUMBERS (TYPES)			
BB347	Type (majuscule)	25	K
BB447	Type (minuscule)	25	K
BO NUMBERS			
BO1840A	Capacitor (0.25 + 0.1 + 0.1 uF)	13	AA
BO1844A	Capacitor (0.01 uF)	{ 13	AA
		{ 15	AL
BO2633	Ink Ribbon (black)	39	BO
BO2638/1	Resistor (500 ohms)	13	Y
/2	Resistor (500 ohms)	13	Y
/4	Resistor (120 ohms)	13	Y
BO2639	Capacitor (0.5 uF)	15	AQ
BO2640	Plug (3 Way)	15	BL
BO2649	Capacitor (0.5 uF)	13	Y
BO2670	Socket (3 Point).. . . .	15	BL
BO2677	Plug (3 Point)	15	BL
BO2693	Plug (12 Point)	15	BL
BO2694	Socket (12 Point)	15	BL
BO2724	Fixed Resistor (5 ohms)	47	R
BO2843	Ink Ribbon (purple).. . . .	39	BO
BO2873	Ball Race.. . . .	27	AA
BO2874	Ball Race.. . . .	47	C
BO2878/1	Fixed Resistor (1.7 ohms)	47	R
/2	Fixed Resistor (3.5 ohms)	47	R
BO3118	S.B.C. Clear Pygmy Lamp	13	AC
BO3225	Anderton Clip	37	AD
BO3235/1	Inductor Coil (1000 uH)	13	AA
BO3246	Shock Absorber	13	D
BO3296	Socket (3 Way)	15	BL
BO3805	S.B.C. Lampholder.. . . .	13	AD
BO3879	Ball Race.. . . .	47	C
BO3997/4	Resistor (220 ohms)	15	AL
CB NUMBERS (CONNECTION BLOCKS)			
CB1006	Terminal Block	15	AX
CB1026	Terminal Block	13	AA
CB1094	Terminal Block	15	AV
CB1095	Terminal Block	15	AU
CB1096	Terminal Block	15	AT

Part No.	Part Name	Page	Index Letter
CD NUMBERS (CORDS)			
CD1210	Plug and Cord Assembly	15	BL
CD1216A	Plug and Cord Assembly	15	BL
CD1421/2	Signal Cord	15	BL
CD1422	Signal Cord Assembly	15	BL
CD1423/2	Power Cord	15	BL
CD1424	Power Cord Assembly.. . . .	15	BL
CD1558	Cable	15	BL
CF NUMBERS (CABLEFORMS)			
CF1299	Cableform.. . . .	15	BB
CF1301	Cableform.. . . .	13	AB
CS NUMBERS (SET COLLARS AND SCREWS)			
CS1002	Set Collar and Screw	37	AS1
CS1010	Set Collar and Screw	45	J
CS1011	Set Collar and Screw	{ 40	BS3
		{ 40	BS4
CS1013	Set Collar and Screw	{ 23	AA
		{ 37	AO
CS1016	Set Collar and Screw	43	AU
CS1020	Set Collar and Screw	37	AJ
		{ 9	K
CS1021	Set Collar and Screw	{ 37	AT
		{ 38	BA
CS1022	Set Collar and Screw	{ 9	Q3
		{ 29	BE
		{ 33	J
CS1025	Set Collar and Screw	{ 38	AZ
		{ 45	Q
CS1027	Set Collar and Screw	{ 18	BE2
		{ 40	BS4
CS1029	Set Collar and Screw	37	AW
CS1041	Set Collar and Screw	23	Y
CS1046	Set Collar and Screw	43	BV
CS1052	Set Collar and Screw	29	AY
CS1101	Set Collar and Screw	40	BR5
CS1102	Set Collar and Screw	{ 18	BC
		{ 45	N
CS1103	Set Collar and Screw	{ 37	V
		{ 37	V2
CS1104	Set Collar and Screw	37	AB
EC NUMBERS (ECCENTRICS)			
EC1512	Eccentric.. . . .	18	BE7
EC5003A	Eccentric Pin C.P.	19	BT1
EC5008A	Eccentric Stud C.P.	18	AJ3
EC5051	Eccentric Screw.. . . .	29	BB
EC5034	Eccentric.. . . .	45	O
EC5057	Eccentric Roller Pivot Pin.. . . .	21	P
GR NUMBERS (GEARS)			
GR2124A	Helical Gear (104 teeth)	18	AQ
GR2127	Helical Gear (40 teeth)	31	P
GR2128	Helical Gear (16 teeth)	31	D
GR2129	Helical Gear (40 teeth)	31	N
GR2136	Helical Gear (81 teeth)	31	W
GR2137A	Helical Gear (20 teeth)	31	K
KN NUMBERS (KNOBS)			
KN1025	Feed Knob	37	AM
KY NUMBERS (KEYS)			
KY1001	Key	27	B1
PB NUMBERS (BUSHES)			
PB1017	Parallel Bush	17	A2
PB1045	Parallel Bush	17	A1
PB1047	Collar	17	C
PB1135	Collar	17	Y14
PB1448	Parallel Bush	36	C
PB1449	Oil Impregnated Flanged Bush	36	C
PB1450	Parallel Bush	36	B
PB1463	Oil Impregnated Bush	31	A1
PB1464	Oil Impregnated Parallel Bush	36	C
PB1465	Oil Impregnated Parallel Bush	41	A
PB1466	Oil Impregnated Parallel Bush	36	C
PB1523	Parallel Bush	33	L

Part No.	Part Name	Page	Index Letter
PB NUMBERS (BUSHES) (contd.)			
PB2024	Oil Impregnated Bush..	31	U1
PB2034	Oil Impregnated Bush ..	31	A2
PB2063	Parallel Bush	33	L
PB2068	Parallel Bush	29	N
PN3093	Parallel Bush	33	B
PB4098	Clamping Bush	35	V
PB4196	Armature Bearing	34	D
PC NUMBERS (CONTACTS)			
PC1023	Tungsten Contact	45	AE
		45	AG
PC3006	Contact Screw	48	K
PF NUMBERS (FELT PARTS)			
PF1050	Felt Lubricator Pad ..	17	H
PF1078	Typerack Lubricator Felt	25	H
PG NUMBERS (SPRINGS)			
PG2006	Contact Spring	35	AO
PG2008	Contact Spring	35	AO
PG2009A	Flat Spring	17	Y19
PG2010A	Flat Spring	17	Y20
PG2029	Comb Setting Finger Spring	19	BW3
PG2104	Flat Spring	36	H
PG3003	Special Spring	27	F
PG3009	Special Spring	27	K2
PG3027B	Pawl Spring C.P.	18	AW5
PG3084	Torsion Spring	37	AK
PG3086	Compression Spring ..	45	AA
PG3105	Flat Spring	33	S
PG3109	Driving Spring	25	R
PG3125	Torsion Spring	39	BO
PG3126	Clutch Spring	21	AW
PG3137	Torsion Spring	40	BR4
PG3144	Torsion Spring	9	K
PG5014	Compression Spring ..	33	G
PG5067	Compression Spring ..	17	G
PG5091	Compression Spring ..	35	S
PG5110	Push Button Spring.. ..	8	-
PG7002	Tension Spring	29	Y
PG7003	Tension Spring	29	BF
PG7036	Tension Spring	27	T
PG7040A	Tension Spring	43	BJ
PG7047	Tension Spring	37	V
PG7048	Tension Spring	35	AF
PG7055	Tension Spring	45	E
PG7059	Tension Spring	9	Q4
PG7076	Tension Spring	41	D
PG7080	Tension Spring	45	K
PG7100	Tension Spring	17	Y10
PG7120	Tension Spring	37	T
PG7137	Tension Spring	29	AL
PG7139	Tension Spring	19	CA
PG7154	Tension Spring	29	BM
PG7164	Tension Spring	35	K
		35	AL
PG7166	Tension Spring	27	S
PG7171	Tension Spring	37	S4
		37	AD
PG7174	Tension Spring	45	C
PG7184	Tension Spring	40	BS4
PG7186	Tension Spring	25	M
PG7205	Tension Spring	47	K
PG7206	Tension Spring	45	M
PG7213	Tension Spring	38	BB
PG7295	Tension Spring	36	F
PG7296	Tension Spring	38	BE
PG7299	Tension Spring	21	AC
PG7328	Orientation Link Spring	21	P
PG7346	Tension Spring	18	BE11
PG7351	Bias Spring	35	X
PG7356	Tension Spring	37	AQ
PG7371	Tension Spring	37	AU
PK NUMBERS (CLIPS)			
PK2002	Spring Clip	17	B
PN NUMBERS (NUTS)			
PN1005-1	Std. 2BA Hex. M.S. ..	9	S
		47	F
PN1009-1	Std. 4BA Hex. M.S. ..	9	O

Part No.	Part Name	Page	Index Letter
PN NUMBERS (NUTS) (contd.)			
		9	P
		9	Q
		18	BE10
		35	U
PN1009-1	Std. 4BA Hex. M.S.	35	AO
(contd.)		43	D
		43	AZ
		43	BU
		8	H
		9	J
		9	L
		9	P
		21	AP
PN1013-1	Std. 6BA Hex. M.S.	21	AQ
		36	R
		43	G
		43	BD
		43	BE6
		43	BQ
PN1014-15	Std. 6BA Hex. Brass ..	35	AO
		47	P
		18	BE2
		21	F
		25	U
PN1017-1	Std. 8BA Hex. M.S. ..	29	AD
		39	BO
		40	BR8
		43	BH
		17	AC
PN1505-1	Std. 2BA Hex. Lock M.S.	29	BA
		47	F
		17	F
		17	G
PN1509-1	Std. 4BA Hex. Lock M.S.	29	C
		33	D
		35	AA
		36	C
PN1510-15	Std. 4BA Hex. Lock Brass	35	K
		17	Y8
		33	W
		37	S3
PN1513-1	Std. 6BA Hex. Lock M.S.	39	BO
		40	BR7
		40	BR10
		41	G
		43	AD
PN1514-15	Std. 6BA Hex. Lock Brass	47	R
		18	BE2
		25	Y
PN1517-1	Std. 8BA Hex. Lock M.S.	43	D
		43	P
		43	BL
PN2014-15	Std. 6BA Round, Brass	47	J2
PN5002	Std. 5/16" B.S.F. Lock M.S.	13	J
PN5035	Special 4BA Hex. 1/8" dia. hole M.S.	33	E
PN5056	Special 6BA Hex. 3/32" dia. hole M.S.	37	AM
PN6011A	Knurl 4BA 1/8" dia. hole M.S.	35	T
PN6016	Special 2BA 5/32" dia. hole Brass	43	AF
PN6020	Special 4BA, Brass ..	35	K
PN6021	Knurl 4BA	35	W
PP NUMBERS (PINS)			
PP1037	Parallel Pin 1/16" dia. x 1/2"	33	M
PP1063	Parallel Pin 5/64" dia. x 1/4"	18	BA
PP1094	Parallel Pin 3/32" dia. x 5/16"	18	BH6
PP1097	Parallel Pin	37	V4
		37	AN
PP1111	Parallel Pin 3/32" dia. x 1 3/8"	45	G
PP1138	Parallel Pin 1/8" dia. x 1 3/16"	43	K
PP4531	Spring Anchor Pin	45	F
PP5530	Screwed Pin 1/8" dia. x 1", 2BA	17	AB

Part No.	Part Name	Page	Index Letter
PP NUMBERS (PINS) (contd.)			
PP5539	Pivot Pin..	43	BR
PP6108	Spring Anchor Stud.. . .	35	J
PP6670A	Release Lever Spindle	21	W
PP6673C	Operating Lever Pivot..	37	U6
PP6681	Parallel Pin	37	V
PP6683	Parallel Pin	29	AG
PP6754	Pivot Pin..	39	BO
PP7547	Shouldered Pin $\frac{1}{8}$ " dia. $\times \frac{35}{64}$ "	18	AW4
PP7552	Shouldered Pin $\frac{1}{8}$ " dia. $\times \frac{15}{32}$ "	18	BH2
PP8552	Finger Setting Pin .. .	17	Y3
PP8677	Shouldered Pin $\frac{1}{8}$ " dia. $\times \frac{19}{32}$ "	33	H
PP8772	Tapé Lever Pivot Pin..	40	BQ
PP9100	Eccentric Pivot Pin ..	40	BR3
PS NUMBERS (SCREWS)			
PS1162-1	Std. 1BA $\times \frac{1}{2}$ " Ch.Hd.M.S.	47	F
PS1200-1	Std. 1BA $\times 1$ " Ch.Hd.M.S.	23	Q
PS1210-1	Std. 1BA $\times 1\frac{1}{8}$ " Ch.Hd.M.S.	47	E
PS1307-1	Std. 2BA $\times \frac{5}{16}$ " Grub M.S.	31	H
		31	T
		31	AD
PS1322-1	Std. 2BA $\frac{7}{16}$ " Ch.Hd.M.S.	13	B
		13	C
		15	BL
PS1342-1	Std. 2BA $\times \frac{9}{16}$ " Ch.Hd.M.S.	19	BP2
		11	V
		15	BL
PS1354-1	Std. 2BA $\times \frac{5}{8}$ " Ch.Hd.M.S.	11	C
		11	E
		11	O
PS1374-1	Std. 2BA $\times \frac{3}{4}$ " Ch.Hd.M.S.	11	U
		18	BK
		21	AD
PS1439-1	Std. 2BA $\times 1\frac{1}{4}$ " Ch.Hd.M.S.	11	H
		18	AZ
		19	BX
PS1451-1	Std. 2BA $\times 1\frac{5}{16}$ " Ch.Hd.M.S.	47	F
		47	F
		35	Y
PS1672-1	Std. 4BA $\times \frac{1}{4}$ " Hex.Hd.M.S.	9	P
		9	R
		21	F
PS1676-1	Std. 4BA $\times \frac{1}{4}$ " Ch.Hd.M.S.	21	T
		21	T
		21	T
PS1678-1	Std. 4BA $\times \frac{1}{4}$ " C/sk.Hd. M.S.	21	J
		21	J
		21	J
PS1687-1	Std. 4BA $\times \frac{5}{16}$ " Ch.Hd.M.S.	13	AG
		15	BG
		15	BG
PS1691-1	Std. 4BA $\times \frac{5}{16}$ " Rd.Hd.M.S.	8	-
		8	-
		8	-
PS1693-1	Std. 4BA $\times \frac{5}{16}$ " Inst.Hd. M.S.	48	AB
		9	P
		9	Q
PS1694-1	Std. 4BA $\times \frac{3}{8}$ " Ch.Hd.M.S.	13	N
		15	AP
		15	BL
PS1696-1	Std. 4BA $\times \frac{3}{8}$ " C/sk.Hd. M.S.	23	O
		27	Y
		29	AQ
PS1698-1	Std. 4BA $\times \frac{3}{8}$ " Rd.Hd.M.S.	29	AU
		29	AU
		13	G
PS1702-1	Std. 4BA $\times \frac{3}{8}$ " Inst.Hd.M.S.	15	AS
		15	BL
		43	Z
PS1704-1	Std. 4BA $\times \frac{3}{8}$ " Cap.Hd.M.S.	11	M
		11	M
		11	M
PS1708-1	Std. 4BA $\times \frac{7}{16}$ " Ch.Hd.M.S.	47	C
		47	C
		47	C
PS1712-1	Std. 4BA $\times \frac{7}{16}$ " Rd.Hd.M.S.	15	BF
		15	BS
		15	BS
PS1716-1	Std. 4BA $\times \frac{7}{16}$ " Inst.Hd.M.S.	15	AN
		15	AW
		47	C
PS1717-1	Std. 4BA $\times \frac{1}{2}$ " Ch.Hd.M.S.	13	AA
		21	AZ
		31	AJ

Part No.	Part Name	Page	Index Letter
PS NUMBERS (contd.)			
PS1719-1	Std. 4BA $\times \frac{1}{2}$ " C/sk.Hd. M.S.	15	AY
		47	G
PS1725-1	Std. 4BA $\times \frac{1}{2}$ " Cap.Hd.M.S.	41	K
PS1727-1	Std. 4BA $\times \frac{17}{32}$ " Hex.Hd. M.S.	35	AO
		17	D
PS1729-1	Std. 4BA $\times \frac{9}{16}$ " Ch.Hd. M.S.	17	X
		17	X
PS1735-1	Std. 4BA $\times \frac{9}{16}$ " Cap.Hd. M.S.	18	AJ4
		18	AJ4
PS1736-1	Std. 4BA $\times \frac{9}{16}$ " Hex.Hd. M.S.	43	B
		15	BA
PS1740-1	Std. 4BA $\times \frac{5}{8}$ " Ch.Hd.M.S.	23	J
		35	AO
		47	H
PS1748-1	Std. 4BA $\times \frac{5}{8}$ " Cap.Hd.M.S.	9	P
PS1765-1	Std. 4BA $\times \frac{3}{8}$ " Rd.Hd.M.S.	31	B2
PS1771-1	Std. 4BA $\times \frac{13}{16}$ " Ch.Hd. M.S.	47	H
		17	L
		18	AL
PS1777-1	Std. 4BA $\times \frac{7}{8}$ " Ch.Hd.M.S.	19	BO
		35	W
		43	AX
PS1786-1	Std. 4BA $\times \frac{7}{8}$ " Hex.Hd.M.S.	35	K
PS1793-1	Std. 4BA $\times 1$ " Ch.Hd.M.S.	13	AK
PS1803-1	Std. 4BA $\times 1\frac{1}{16}$ " Ch.Hd. M.S.	31	V
		21	H
		19	BL5
PS2029-1	Std. 6BA $\times \frac{1}{4}$ " Ch.Hd.M.S.	48	U
		9	P
		13	AJ
PS2042-1	Std. 6BA $\times \frac{5}{32}$ " Ch.Hd.M.S.	35	Q
		37	AO
		37	AR
PS2045-1	Std. 6BA $\times \frac{3}{16}$ " Ch.Hd.M.S.	37	AX
		39	BL
		39	BM
PS2046-15	Std. 6BA $\times \frac{3}{16}$ " Ch.Hd. Brass	40	BR2
		35	AO
		47	R
PS2047-1	Std. 6BA $\times \frac{3}{16}$ " C/sk.Hd. M.S.	39	BK
		29	AH
		29	AH
PS2049-1	Std. 6BA $\times \frac{3}{16}$ " Rd.Hd.M.S.	29	AH
		29	AH
		29	AH
PS2056-1	Std. 6BA $\times \frac{3}{16}$ " Cap.Hd. M.S.	29	BJ
		9	K
		39	BL
PS2057-1	Std. 6BA $\times \frac{7}{32}$ " Ch.Hd.M.S.	39	BM
		40	BR10
		43	AQ
PS2061-1	Std. 6BA $\times \frac{1}{4}$ " Ch.Hd.M.S.	8	D
		17	H
		17	AD
PS2063-1	Std. 6BA $\times \frac{1}{4}$ " C/sk.Hd. M.S.	19	BS
		19	BS
		19	BS
PS2067-1	Std. 6BA $\times \frac{1}{4}$ " Fil.Hd.M.S.	23	BW6
		23	F
		29	J
PS2072-1	Std. 6BA $\times \frac{1}{4}$ " Cap.Hd.M.S.	29	T
		31	Y
		35	AN
PS2073-1	Std. 6BA $\times \frac{1}{4}$ " Hex.Hd.M.S.	37	AF
		38	AZ
		45	U
PS2075-1	Std. 6BA $\times \frac{9}{32}$ " Ch.Hd.M.S.	48	W
		9	P
		19	BL6
PS2077-1	Std. 6BA $\times \frac{5}{16}$ " Ch.Hd.M.S.	27	D
		35	AE
		17	Y11
PS2063-1	Std. 6BA $\times \frac{1}{4}$ " C/sk.Hd. M.S.	21	Z
		23	V
		13	P
PS2067-1	Std. 6BA $\times \frac{1}{4}$ " Fil.Hd.M.S.	37	U3
		37	U3
		37	U3
PS2072-1	Std. 6BA $\times \frac{1}{4}$ " Cap.Hd.M.S.	43	E
		43	BM
		43	BM
PS2073-1	Std. 6BA $\times \frac{1}{4}$ " Hex.Hd.M.S.	17	Y5
		17	Y5
		17	Y5
PS2075-1	Std. 6BA $\times \frac{9}{32}$ " Ch.Hd.M.S.	31	AF
		31	AF
		31	AF

Part No.	Part Name	Page	Index Letter
PS NUMBERS (contd.)			
PS2077-1 (contd.)	Std. 6BA x 5/16" Ch.Hd.M.S.	35 39 47	AJ BH F
PS2079-1	Std. 6BA x 5/16" C/sk.Hd. M.S.	9 21 36	P O AS
PS2082-15	Std. 6BA x 5/16" Rd.Hd. Brass	8 9	H L
PS2088-1	Std. 6BA x 5/16" Cap.Hd.M.S.	45 17 21 27 29	S AH AH O E
PS2093-1	Std. 6BA x 3/8" Ch.Hd.M.S.	29 31 33 37 38	P Q U X BF
PS2095-1	Std. 6BA x 3/8" C/sk.Hd. M.S.	29	BC
PS2105-1	Std. 6BA x 3/8" Hex.Hd.M.S.	29 40 31	AE1 BR9 L
PS2109-1	Std. 6BA x 7/16" Ch.Hd.M.S.	39	BM
PS2110-15	Std. 6BA x 7/16" Ch.Hd. Brass	47 8	P G
PS2111-1	Std. 6BA x 7/16" C/sk.Hd. M.S.	19	BT4
PS2112-15	Std. 6BA x 7/16" C/sk.Hd. Brass	47 9	R J
PS2122-1	Std. 6BA x 15/16" Ch.Hd. M.S.	41 41 31 31	AG AK E AB
PS2125-1	Std. 6BA x 1/2" Ch.Hd.M.S.	41 41 41	T X AG
PS2141-1	Std. 6BA x 9/16" Ch.Hd.M.S.	41 33	U O
PS2157-1	Std. 6BA x 5/8" Ch.Hd.M.S.	34 45	E O
PS2159-1	Std. 6BA x 5/8" C/sk.Hd. M.S.	48	P
PS2161-1	Std. 6BA x 5/8" Rd.Hd.M.S.	8	H
PS2173-1	Std. 6BA x 11/16" Ch.Hd. M.S.	36	K
PS2189-1	Std. 6BA x 3/4" Ch.Hd.M.S.	48	AA
PS2193-1	Std. 6BA x 3/4" Rd.Hd.M.S.	40	BR6
PS2205-1	Std. 6BA x 13/16" Ch.Hd.M.S.	31 48	R C
PS2221-1	Std. 6BA x 7/8" Ch.Hd.M.S.	39	BJ
PS2396-1	Std. 7BA x 1" Ch.Hd.M.S.	45	AK
PS2431-15	Std. 8BA x 1/8" Ch.Hd.Brass	47	O
PS2443-1	Std. 8BA x 5/32" Ch.Hd.M.S.	45 39 43	O BL W
PS2445-1	Std. 8BA x 3/16" Ch.Hd.M.S.	43 43 43	AL AN F
PS2447-1	Std. 8BA x 3/16" C/sk.Hd. M.S.	8 39 39	BL BM
PS2456-1	Std. 8BA x 3/16" Cap.Hd. Brass	43 39 39 43	V BO BP BT
PS2457-1	Std. 8BA x 7/32" Ch.Hd.M.S.	40 43	BG
PS2458-1	Std. 8BA x 7/32" C/sk.Hd. M.S.	43	O
PS2462-1	Std. 8BA x 1/4" Ch.Hd.M.S.	18 25 37 39	BE2 S AD BM
PS2464-1	Std. 8BA x 1/4" C/sk.Hd. M.S.	33	Q
PS2477-1	Std. 8BA x 5/16" Ch.Hd.M.S.	36 38	M BD

Part No.	Part Name	Page	Index Letter
PS NUMBERS (contd.)			
PS2479-1	Std. 8BA x 5/16" C/sk.Hd. M.S.	40	BR8
PS2494-1	Std. 8BA x 3/8" Ch.Hd.M.S.	37 37 43	S4 U6 D
PS2509-1	Std. 8BA x 7/16" Ch.Hd.M.S.	21 25	P E
PS2526-1	Std. 8BA x 1/2" Ch.Hd.M.S.	21	AB
PS4583	Std. 5/16" 22 T.P.I. B.S.F. x 3/4" Ch.Hd.M.S.	7 7 17	B A F
PS5032	Special 4BA x 1/2" Hex.Hd. M.S.	29 35	B AA
PS5102	Shouldered Screw, 4BA x 1 1/16" Hex.Hd.M.S.	17	G
PS5289	Special 6BA x 1/4" Rd. Hd.M.S.	21 43	D AC
PS5292	Special 6BA x 1/4" M.S.	43	R
PS5294	Special 6BA x 11/16" Ch. Hd.M.S.	41	F
PS5367	Special 4BA x 3/8" Inst. Hd. M.S.	21	AZ
PS5518	Shouldered Screw, 6BA x 1 1/16" Cap.Hd.M.S.	17	Y16
PS5535	Shouldered Screw, 2BA x 1 1/32" C/sk.Hd. M.S.	9	S
PS5567	Shouldered Screw, 4BA x 5/16" Ch.Hd. M.S.	29	AN
PS5609	Shock Absorber Screw..	13	F
PS5612	Pivot Screw	21	AM
PS5613	Pivot Screw	21	AQ
PS5662	Shock Absorber Screw..	13	F
PS6097	Special 6BA Screw M.S.	48	G
PS6099	Special 4BA x 1/2" S.S..	18	AR
PS6225	Knurled 6BA Screw M.S.	41	U
PS6226	Magnet Adjusting Screw	35	K
PS6510	Special 6BA x 3/8" Hex. Hd. M.S.	33 37	V S3
PS6514	Special 6BA x 15/32" Brass	34	B
PS6823	Special 8BA x 1/4" Ch.Hd. M.S.	37	AL
PS6826	Cone Pointed Screw, 2BA x 1 1/16" Hex.Hd. M.S.	19	BN2
PS6827	Special Screw, 4BA x 1 1/16" M.S.	19	BN3
PS6893	Knurled Screw, 4BA M.S.	21	P
PS6895	Special Grub Screw 5/16" B.S.F. x 1/2" M.S.	13	H
PS6906	Special Domed Screw, 6BA x 15/16" M.S.	39	BN
PS6909	Special 4BA x 1/4" M.S.	21	U
PS6911	Special 4BA x 1/2" Rd.Hd. M.S.	37	S2
PS6916	Special Grub Screw, 4BA x 9/16" M.S.	36	C
PS6991	Special 6BA x 5/16" M.S.	43	BB
PS6992	Special 6BA x 1/4" Ch.Hd. M.S.	43	BE4
PS6999	Special Domed Screw 2BA x 1 1/16" Ch.Hd.M.S.	47	F
PS7003	Special Shouldered 8BA Screw S.S.	25	Y
PS7004	Special 6BA x 3/32" Hex. Hd. S.S.	37	S3
PS7023	Special 6BA Hex.Hd. Brass	47	J2
PS7034	Special Governor Adjusting Screw..	48	N
PS7041	Special 6BA Screw M.S.	15 41	BP X
PW NUMBERS (WASHERS)			
PW1003-1	Std. 1BA M.S.	47	E

Part No.	Part Name	Page	Index Letter		
PW NUMBERS (WASHERS) (contd.)					
PW1005-1	Std. 2BA M.S.	9	S		
		21	AE		
		47	F		
		8	-		
		9	O		
		9	P		
		9	Q		
		9	S		
		13	AA		
		13	AG		
		13	AK		
		13	AP		
		PW1009-1	Std. 4BA M.S.	15	E
				17	G
				17	BE8
18	BG				
18	AR				
29	U				
35	W				
35	C				
36	BS				
43	H				
8	J				
9	L				
9	P				
9	P				
13	Y6				
17	AA				
21	AJ				
21	AO				
21	AO				
23	W				
29	F				
29	L				
29	U				
29	AE3				
31	AG				
34	E				
35	Q				
PW1013-1	Std. 6BA M.S.	35	AK		
		35	AO		
		37	U4		
		37	Z		
		37	AH		
		37	AR		
		38	AZ		
		38	BF		
		39	BH		
		40	BQ		
		40	BR10		
		43	BC		
		45	O		
		45	V		
		47	F		
48	E				
48	J				
18	BE2				
21	AB				
25	F				
PW1017-1	Std. 8BA M.S.	29	AB		
		36	N		
		39	BO		
		40	BU		
PW1033-1	Std. 4BA M.S.	13	O		
		23	K		
		23	P		
PW1037-1	Std. 6BA M.S.	17	Y13		
		29	BK		
PW1053-1	Std. 2BA M.S.	39	BO		
		43	AG		
PW1061-1	Std. 6BA M.S.	23	G		
		43	F		
		43	AR		
		43	BO		
PW1065-1	Std. 8BA M. S.	43	V		
		43	X		
		43	AO		
PW1077-1	Std. 2BA M.S.	35	AC		
PW1085-1	Std. 6BA M.S.	19	BR		
PW2009	Std. 1BA S.C. Spring Washer..	47	E		
		47	F		
PW2013	Std. 2BA S.C. Spring Washer..	11	W		
		15	BL		

Part No.	Part Name	Page	Index Letter
PW NUMBERS (WASHERS) (contd.)			
PW2013 (contd.)	Std. 2BA S.C. Spring Washer..	18	AZ
		21	AF
		47	F
		13	P
		18	BE9
		23	L
		31	AK
		34	O
		35	U
		35	W
PW2025	Std. 4BA S.C. Spring Washer..	35	AAO
		9	P
		9	Q
		13	AA
		13	AG
		13	AK
		15	AP
		15	BL
		17	G
		18	AR
PW2026	Std. 4BA S.C. Spring Washer..	29	AO
		29	AS
		29	AV
		31	B3
		36	C
		43	C
		43	AY
		43	BT
		8	D
		9	K
17	Y7		
17	Y12		
21	P		
21	AB		
21	AN		
21	AQ		
23	H		
23	X		
29	G		
29	Q		
29	V		
29	AE2		
31	F		
31	M		
31	AA		
34	E		
36	Q		
37	U5		
37	Y		
37	AG		
38	AZ		
38	BF		
39	BH		
39	BO		
40	BQ		
40	BR2		
43	AS		
43	BE5		
43	BP		
47	F		
48	T		
17	Y17		
21	AK		
29	K		
29	BL		
45	O		
PW2037	Std. 6BA S.C. Spring Washer..	31	R
		18	BE2
		21	AB
		25	G
PW2038	Std. 6BA S.C. Spring Washer..	25	T
		25	Y
		29	AC
		39	BO
PW2039	Std. 6BA S.C. Spring Washer..	40	BR8
		43	D
		43	V
		43	Y
PW2050	Std. 8BA S.C. Spring Washer..	43	BG
		43	BL

<i>Part No.</i>	<i>Part Name</i>	<i>Page</i>	<i>Index Letter</i>	<i>Part No.</i>	<i>Part Name</i>	<i>Page</i>	<i>Index Letter</i>
PW NUMBERS (WASHERS) (contd.)				PW NUMBERS (WASHERS) (contd.)			
PW4002-15	Std. $\frac{1}{8}$ " S.C. Spring Washer	{ 48	D	PW5493	Shim (.015")	18	AU
		{ 48	H	PW5494	Shim (.010")	18	AU
PW4031	Std. $\frac{5}{16}$ " S.C. Spring Washer	{ 7	B	PW5507	Shim (.015")	38	AZ
		{ 7	A	PW5519	Oil Impregnated Washer	{ 21	AL
PW5005	Special Washer $\frac{1}{4}$ " O.D. Brass	47	R			{ 21	AQ
PW5010	Special Washer $\frac{1}{8}$ " I.D. C.S.	19	BV	PW5547	Special Spring Washer $\frac{1}{8}$ " I.D. C.S.	48	M
PW5020	Special Washer $\frac{5}{32}$ " I.D. M.S.	39	BP	PW5556	Special Washer $\frac{3}{8}$ " O.D. S.S.	45	H
PW5084	Special Washer $\frac{5}{32}$ " I.D. M.S.	19	BT3	PW5557	Special Washer $\frac{5}{32}$ " I.D. M.S.	35	Z
PW5090	Special Washer $\frac{5}{32}$ " I.D. M.S.	43	AA			{ 21	AM
PW5111	Special Washer $\frac{3}{8}$ " I.D. C.S.	43	AH	PW5569	Shim (.015")	{ 21	AQ
PW5150	Special Washer $\frac{1}{8}$ " I.D. M.S.	43	BN			{ 38	BC
PW5151	Special Washer $\frac{1}{8}$ " I.D. C.S.	{ 34	C	PW5573	Special Washer $\frac{19}{64}$ " O.D. M.S.	48	L
		{ 37	AO	PW5589	Special Washer $\frac{7}{16}$ " O.D. M.S.	19	BM
PW5190	Special Washer $\frac{7}{64}$ " I.D. M.S.	{ 21	P	PW5590	Shim (.003")	17	Z
		{ 40	BR2	PW5591	Shim (.003")	17	M
PW5205	Special Washer 1" O.D. M.S.	9	S	PW5660	Special Washer $\frac{1}{4}$ " O.D. Brass	8	-
PW5277	Special Washer $\frac{1}{4}$ " I.D. S.S.	17	M	RL NUMBERS (ROLLERS)			
PW5413	Special Washer $\frac{3}{16}$ " O.D. M.S.	25	Y	RL1002	Cam Roller	{ 17	AA
PW5437	Felt Washer	29	AF			{ 18	AK
PW5484	Special Washer $\frac{5}{8}$ " O.D. S.S.	17	Z	RL1008	Roller	{ 18	BD
PW5486	Special Washer $\frac{3}{16}$ " I.D. M.S.	13	J			{ 19	BQ
PW5492	Special Washer $\frac{3}{32}$ " I.D. Ph. Br.	47	O			{ 21	S
				RL1027	Roller	19	BT5
				RL1058	Roller	18	BE2
				RL1088	Roller	17	AF
				RL1089	Roller	37	AS1
				RL1102	Roller	43	AT
				RL1137	Roller	37	AA