

BULLETIN 1037B
ISSUE 6
SUPERSEDES
ALL ISSUES OF
1037B, 1094B AND 1114B

TELETYPE

PRINTING TELEGRAPH SYSTEMS

BULLETIN 1037B
ISSUE 6

TYPE BAR PAGE PRINTER

(MODEL 15)

PARTS CATALOG


CORPORATION
SUBSIDIARY OF
Western Electric Company
CHICAGO, U.S.A.

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ATTENTION—BELL SYSTEM ONLY
WHEN ORDERING PARTS FROM THIS BULLETIN, EACH NUMBER SHOULD BE PRECEDED BY THE LETTERS TP, WITHOUT PARENTHESES, IN ORDER TO IDENTIFY THE ITEM AS ONE TO BE SECURED FROM THE TELETYPE CORPORATION.

LIST OF EFFECTIVE PAGES
 JANUARY, 1956
 (SUPERSEDES FEBRUARY, 1953 ISSUE)

PAGE NUMBERS	CHANGE IN EFFECT	PAGE NUMBERS	CHANGE IN EFFECT
A to F	Original		
I-1 to I-76	Original		
II-1 to II-4	Original		
III-1 to III-3	Original		
IV-1 to IV-4	Original		
V-1 to V-31	Original		

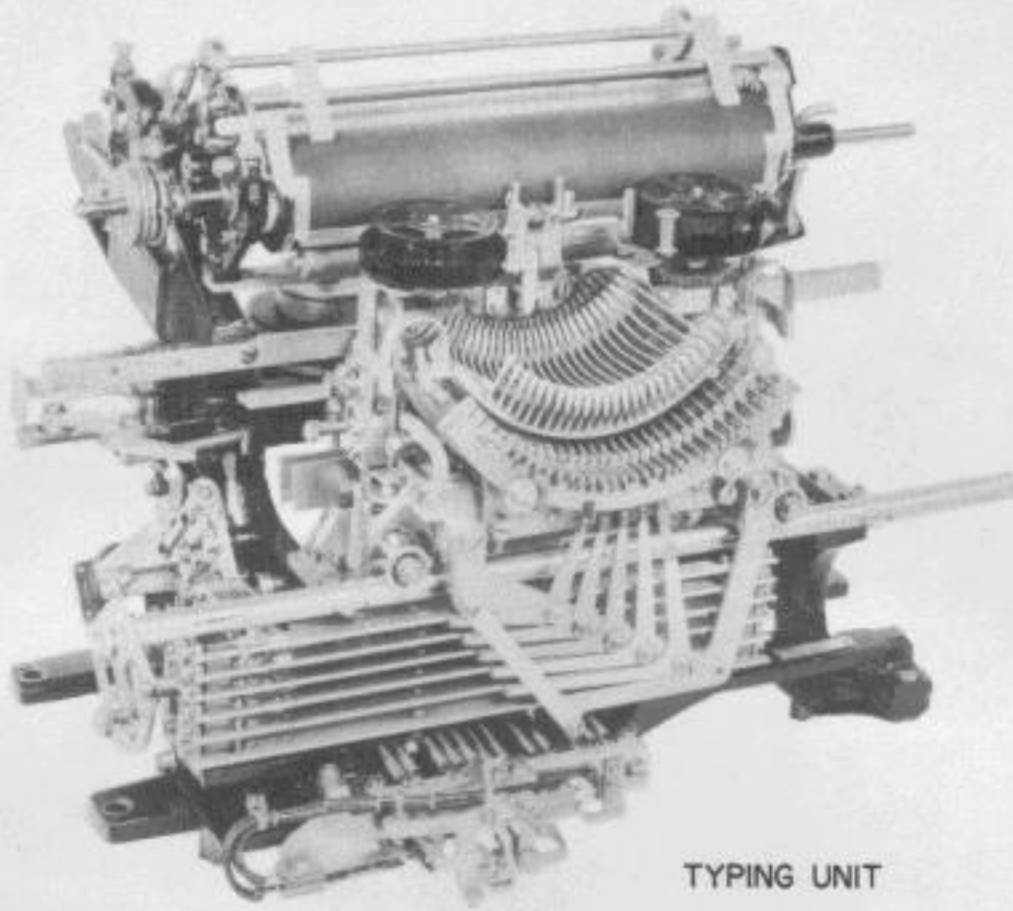
The above list indicates the effective pages as of the date of issue. Upon receipt of change pages, insert them numerically and discard any superseded pages.

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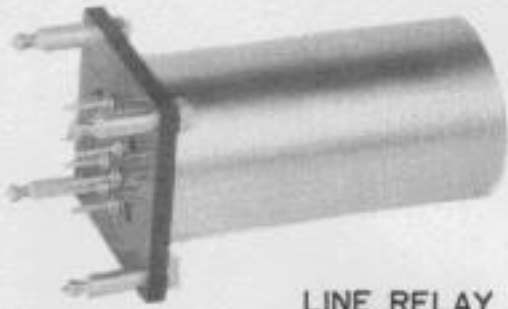
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Photographs - - - - -	C through E
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Base - - - - -	I-1 through I-9
Keyboard - - - - -	I-10 through I-13
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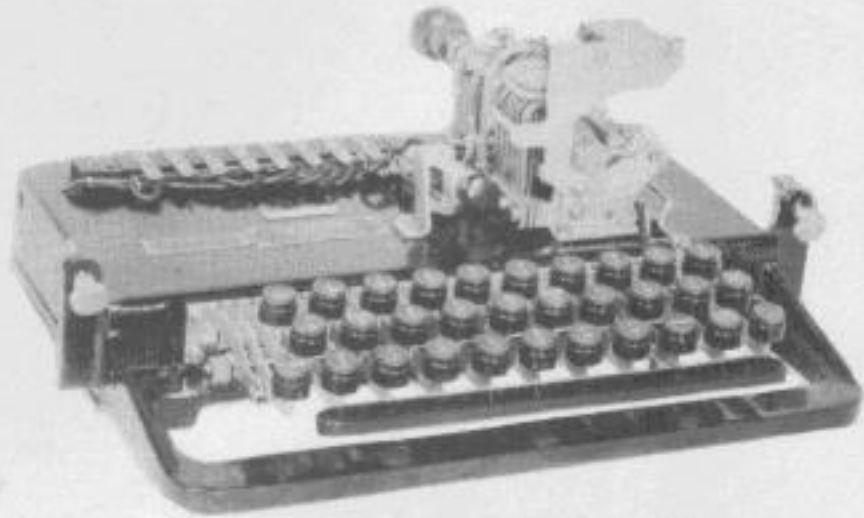
TELETYPE MODEL 15 SENDING - RECEIVING PAGE PRINTER SET



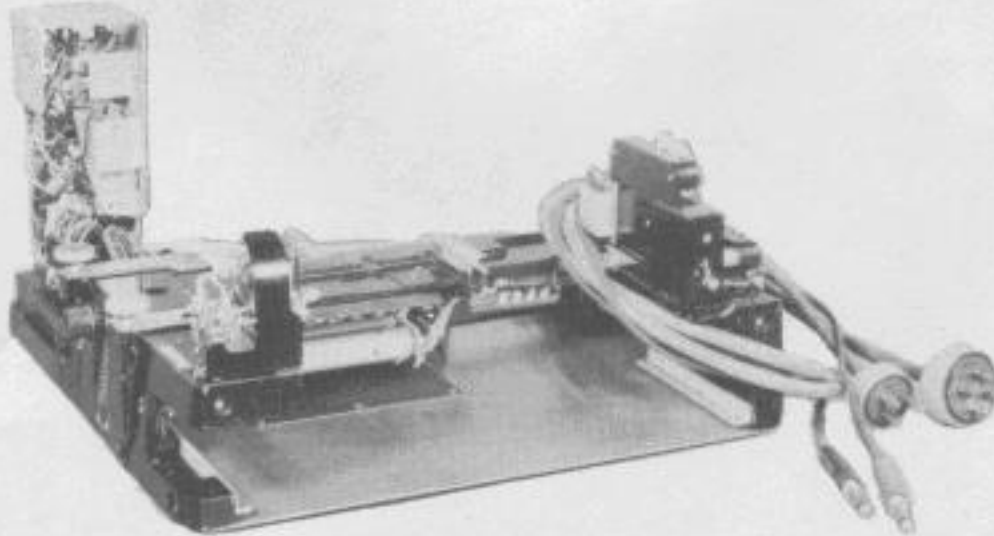
TYPING UNIT



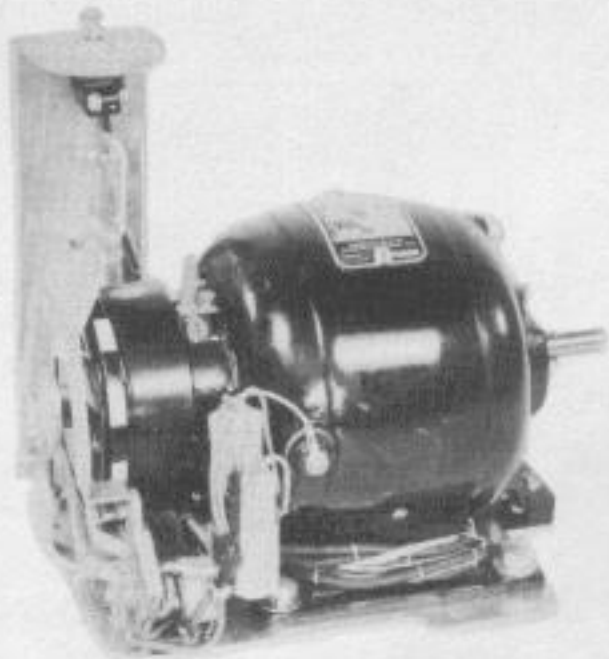
LINE RELAY



KEYBOARD



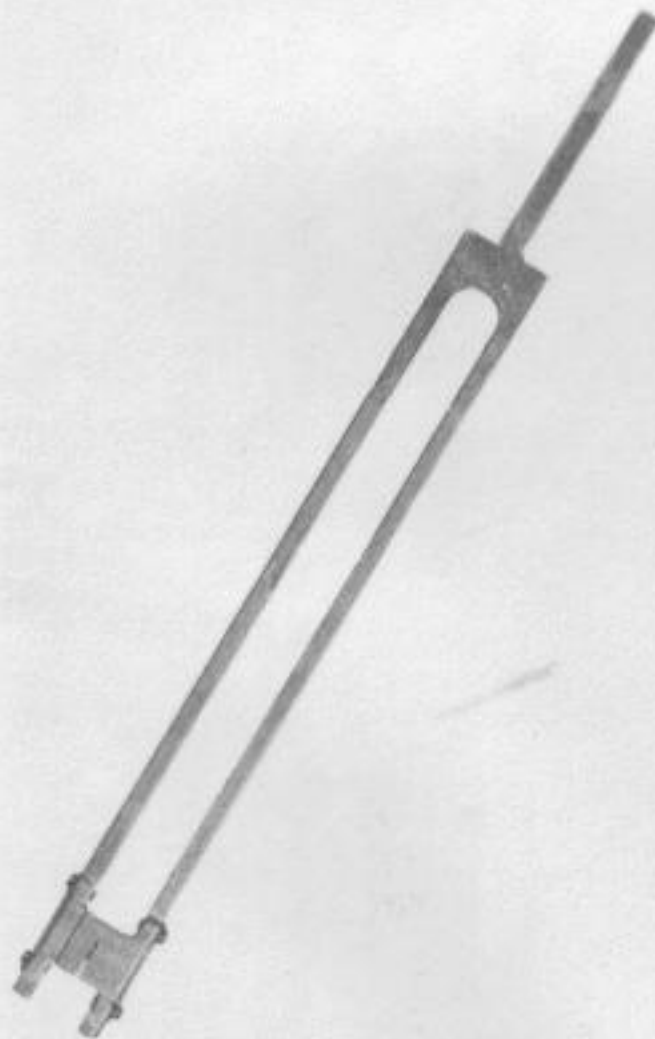
BASE



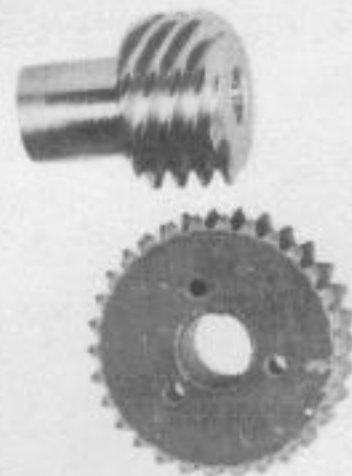
MOTOR UNIT
(GOVERNED)



MOTOR UNIT
(SYNCHRONOUS)



SPEED INDICATOR (TUNING FORK)
PART NUMBER 103628
(87.6 V.P.S.)



SET OF GEARS

SAMPLE PRINTING ILLUSTRATING THE VARIOUS STYLES OF TYPE

The following copy has been produced on a Model 15 printer equipped with:

MURRAY STYLE CHARACTERS

THE QUICK BROWN FOX JUMPED OVER THE LAZY DOGS BACK 1234567890 TIMES.
 ABCDEFGHIJKLMNOPQRSTUVWXYZ 1234567890'†↗↘↓↙←↘+/∞⊕⊙.
 †,X=:'-+()"/*√. 1131537
 \$!&£'()" /: ;? ,. 8482848\$& ,"/.

GOTHIC STYLE CHARACTERS

THE QUICK BROWN FOX JUMPED OVER THE LAZY DOG'S BACK 1234567890 TIMES.
 ABCDEFGHIJKLMNOPQRSTUVWXYZ \$!&£'()" /: ;? ,.

LONG GOTHIC STYLE CHARACTERS

THE QUICK BROWN FOX JUMPED OVER THE LAZY DOG'S BACK 1234567890 TIMES.
 ABCDEFGHIJKLMNOPQRSTUVWXYZ \$!&£'()" /: ;? ,.

LARGE GOTHIC STYLE CHARACTERS

THE QUICK BROWN FOX JUMPED OVER THE DOG.
 ABCDEFGHIJKLMNOPQRSTUVWXYZ

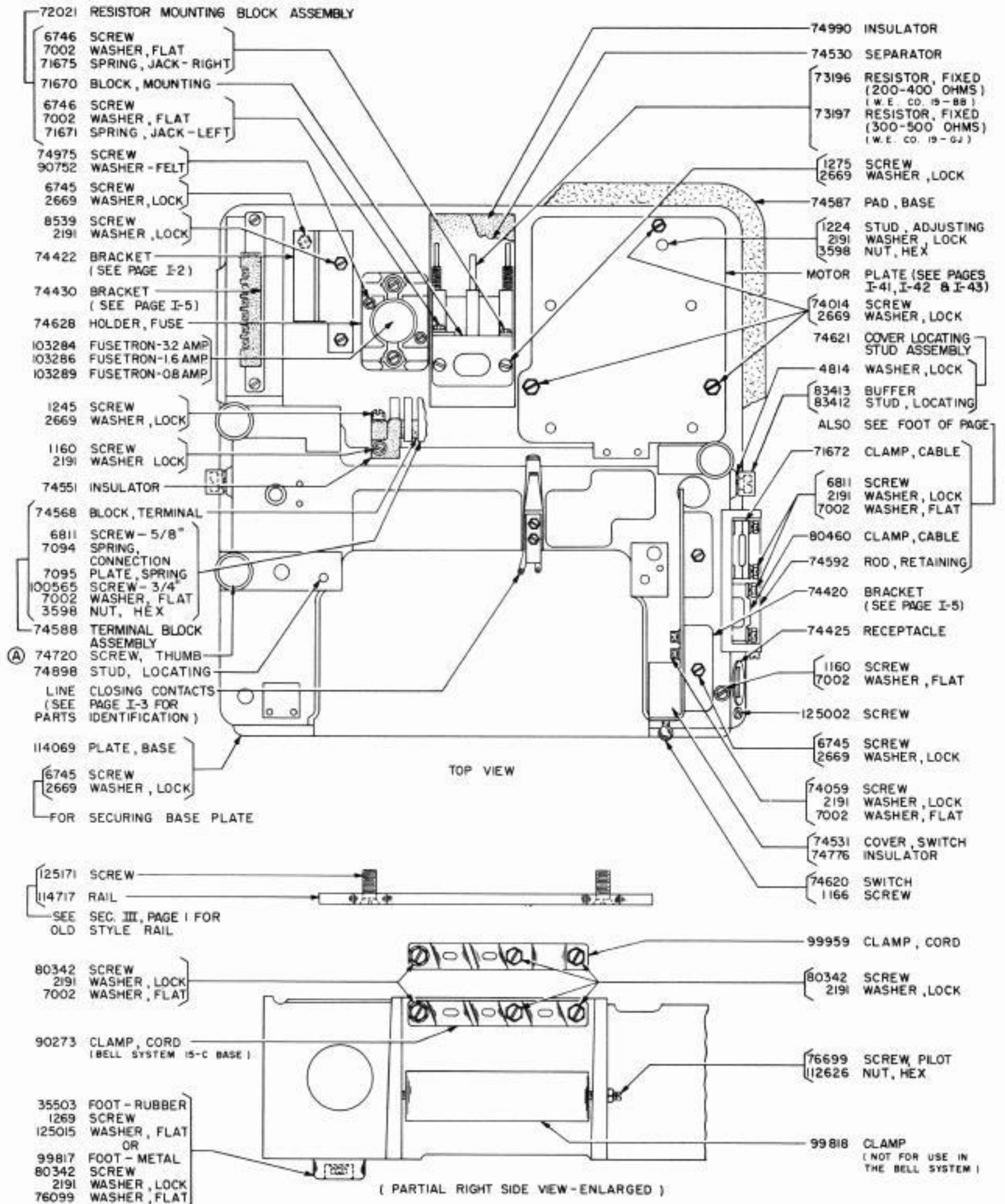
9\$&# ,"/. \$!&£'()" /: ;? ,. 1 1 3 1 5 3 7
 8 4 8 2 8 4 8
 1234567890

NOTE: SEE PAGE I-36 FOR SIZE OF CHARACTERS AS PRINTED. VARIATIONS IN HORIZONTAL SPACING MAY BE OBTAINED BY THE USE OF ONE OF THE SETS OF PARTS SHOWN ON PAGES I-56 AND I-69. VERTICAL SPACING MAY BE INCREASED BY USING THE SET OF PARTS SHOWN ON PAGE I-57.

SECTION I

BASIC PARTS AND ACCESSORIES

PAGES I-1 THROUGH I-76



- 72021 RESISTOR MOUNTING BLOCK ASSEMBLY
- 6746 SCREW
- 7002 WASHER, FLAT
- 71675 SPRING, JACK - RIGHT
- 71670 BLOCK, MOUNTING
- 6746 SCREW
- 7002 WASHER, FLAT
- 71671 SPRING, JACK - LEFT
- 74975 SCREW
- 90752 WASHER - FELT
- 6745 SCREW
- 2669 WASHER, LOCK
- 8539 SCREW
- 2191 WASHER, LOCK
- 74422 BRACKET (SEE PAGE I-2)
- 74430 BRACKET (SEE PAGE I-5)
- 74628 HOLDER, FUSE
- 103284 FUSETRON-32 AMP
- 103286 FUSETRON-16 AMP
- 103289 FUSETRON-08AMP
- 1245 SCREW
- 2669 WASHER, LOCK
- 1160 SCREW
- 2191 WASHER, LOCK
- 74551 INSULATOR
- 74568 BLOCK, TERMINAL
- 6811 SCREW - 5/8"
- 7094 SPRING, CONNECTION
- 7095 PLATE, SPRING
- 100565 SCREW - 3/4"
- 7002 WASHER, FLAT
- 3598 NUT, HEX
- 74588 TERMINAL BLOCK ASSEMBLY
- (A) 74720 SCREW, THUMB
- 74898 STUD, LOCATING
- LINE CLOSING CONTACTS (SEE PAGE I-3 FOR IDENTIFICATION)
- 114069 PLATE, BASE
- 6745 SCREW
- 2669 WASHER, LOCK
- FOR SECURING BASE PLATE

- 74990 INSULATOR
- 74530 SEPARATOR
- 73196 RESISTOR, FIXED (200-400 OHMS) (W. E. CO. 19-88)
- 73197 RESISTOR, FIXED (300-500 OHMS) (W. E. CO. 19-02)
- 1275 SCREW
- 2669 WASHER, LOCK
- 74587 PAD, BASE
- 1224 STUD, ADJUSTING
- 2191 WASHER, LOCK
- 3598 NUT, HEX
- MOTOR
- 74014 SCREW
- 2669 WASHER, LOCK
- 74621 COVER LOCATING STUD ASSEMBLY
- 4814 WASHER, LOCK
- 83413 BUFFER
- 83412 STUD, LOCATING
- ALSO SEE FOOT OF PAGE
- 71672 CLAMP, CABLE
- 6811 SCREW
- 2191 WASHER, LOCK
- 7002 WASHER, FLAT
- 80460 CLAMP, CABLE
- 74592 ROD, RETAINING
- 74420 BRACKET (SEE PAGE I-5)
- 74425 RECEPTACLE
- 1160 SCREW
- 7002 WASHER, FLAT
- 125002 SCREW
- 6745 SCREW
- 2669 WASHER, LOCK
- 74059 SCREW
- 2191 WASHER, LOCK
- 7002 WASHER, FLAT
- 74531 COVER, SWITCH
- 74776 INSULATOR
- 74620 SWITCH
- 1166 SCREW

- 125171 SCREW
- 114717 RAIL
- SEE SEC. III, PAGE I FOR OLD STYLE RAIL

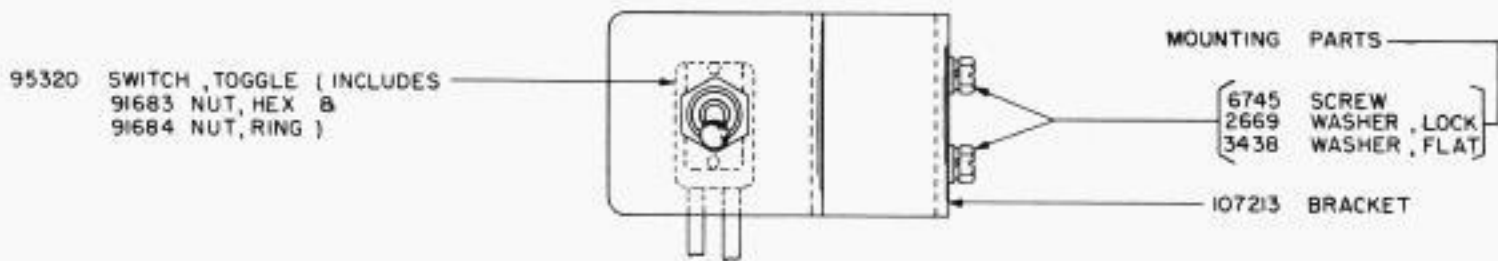
- 80342 SCREW
- 2191 WASHER, LOCK
- 7002 WASHER, FLAT
- 90273 CLAMP, CORD (BELL SYSTEM IS-C BASE)
- 35503 FOOT - RUBBER
- 1269 SCREW
- 125015 WASHER, FLAT OR
- 99817 FOOT - METAL
- 80342 SCREW
- 2191 WASHER, LOCK
- 76099 WASHER, FLAT

- 99959 CLAMP, CORD
- 80342 SCREW
- 2191 WASHER, LOCK
- 76699 SCREW, PILOT
- 12626 NUT, HEX
- 99818 CLAMP (NOT FOR USE IN THE BELL SYSTEM)

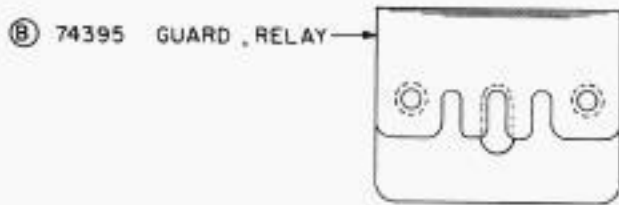
(A) SEE SEC. IV FOR EXPLANATION

BASE

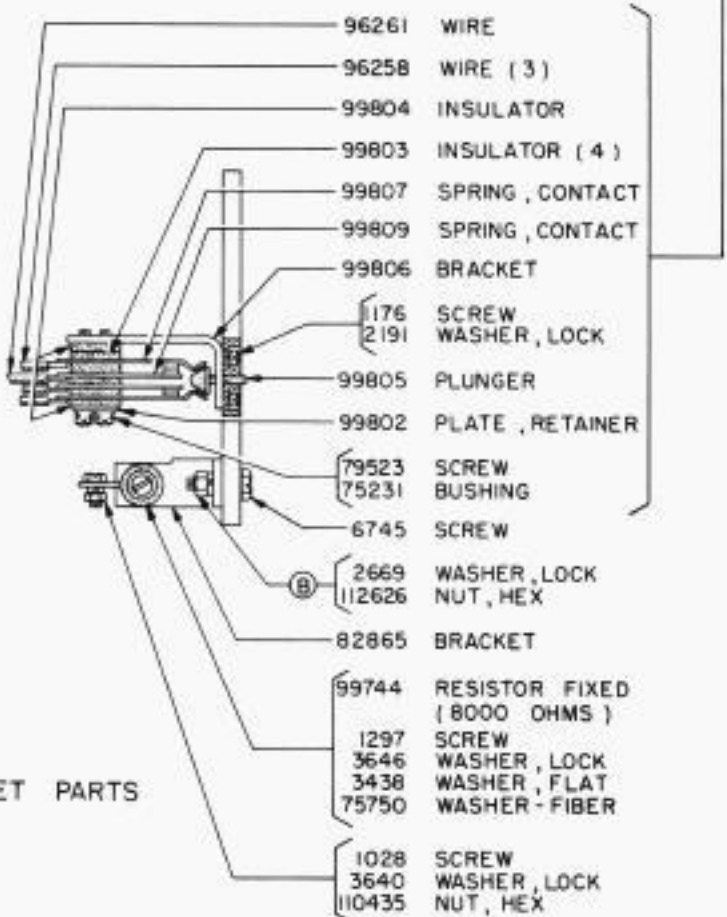
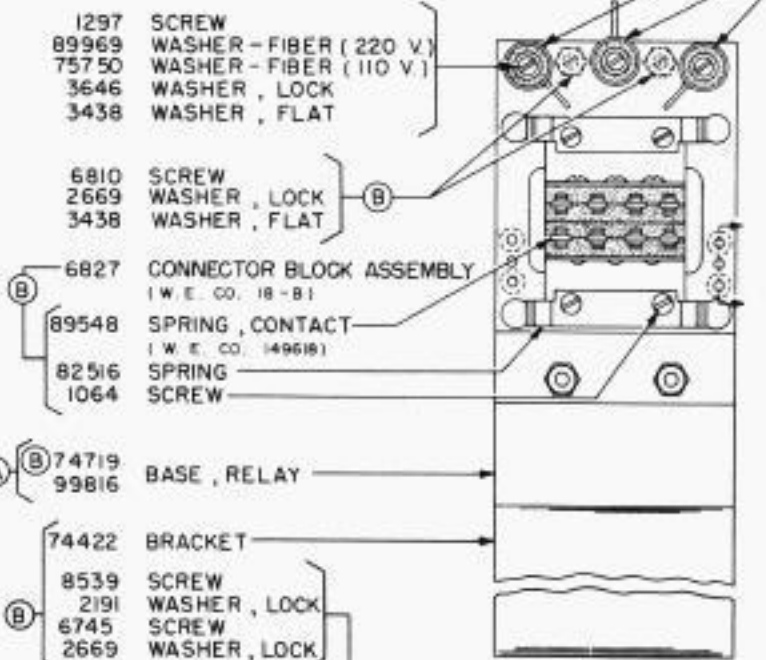
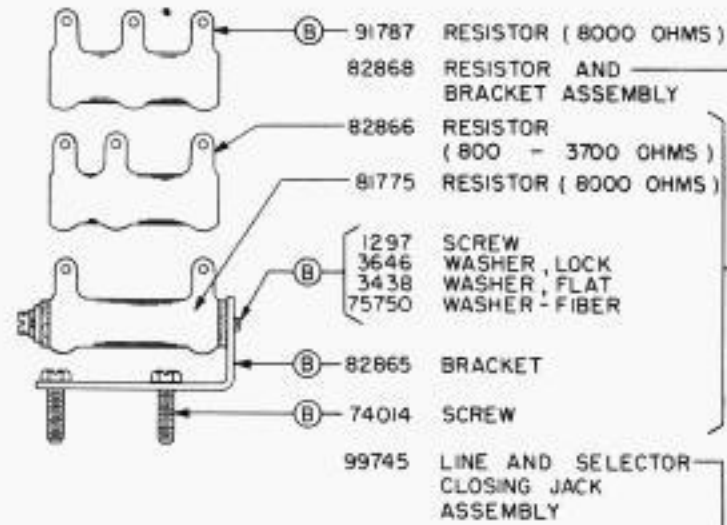
ORIGINAL



107269 POLAR-NEUTRAL TOGGLE SWITCH
(EXCLUDES MOUNTING PARTS)



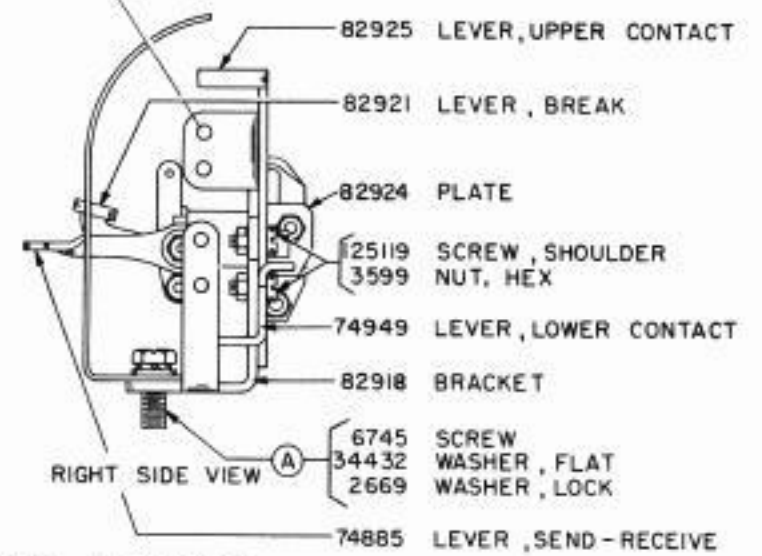
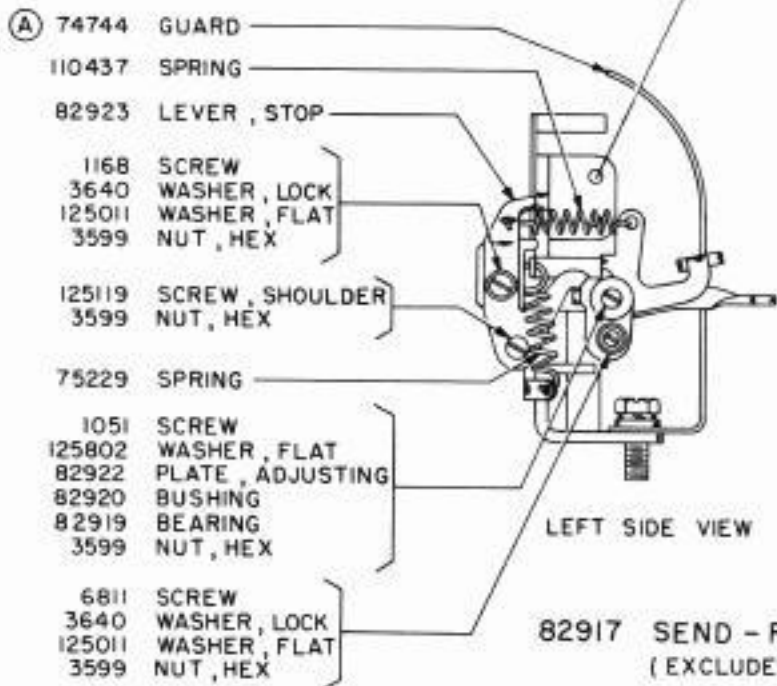
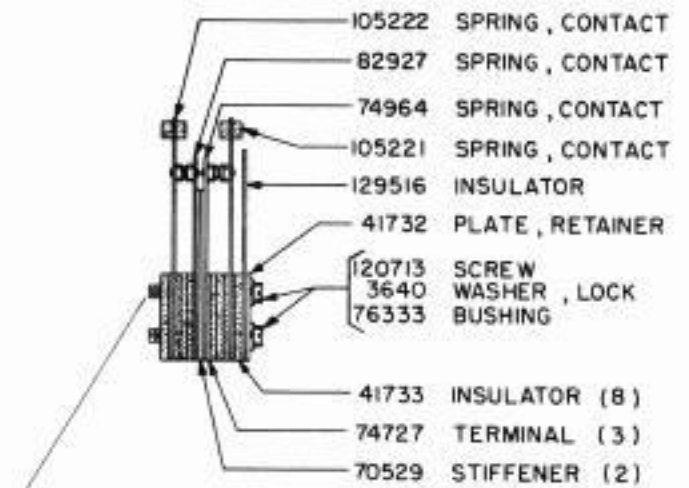
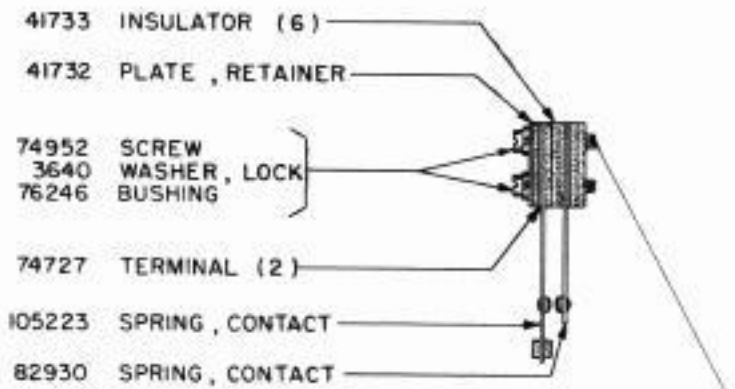
- (B) 74821 RESISTOR, FIXED (810 - 2000 OHMS) 110 V
- 90248 RESISTOR, FIXED (610 - 4000 OHMS) 220 V
- (B) 74614 RESISTOR, FIXED (600 - 2000 OHMS) 110 V
- 90247 RESISTOR, FIXED (1400 - 2000 OHMS) 220 V
- (B) 75436 RESISTOR, FIXED (1000 - 2000 OHMS) 110 V
- 90246 RESISTOR, FIXED (2000 - 4000 OHMS) 220 V



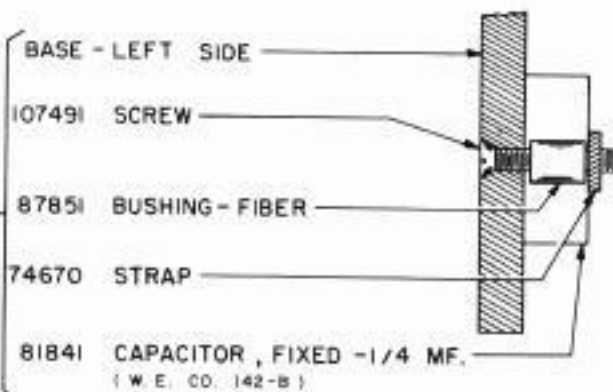
LINE RELAY BRACKET PARTS

- 74575 CABLE, LINE RELAY
- (B) 91789 CABLE, LINE RELAY

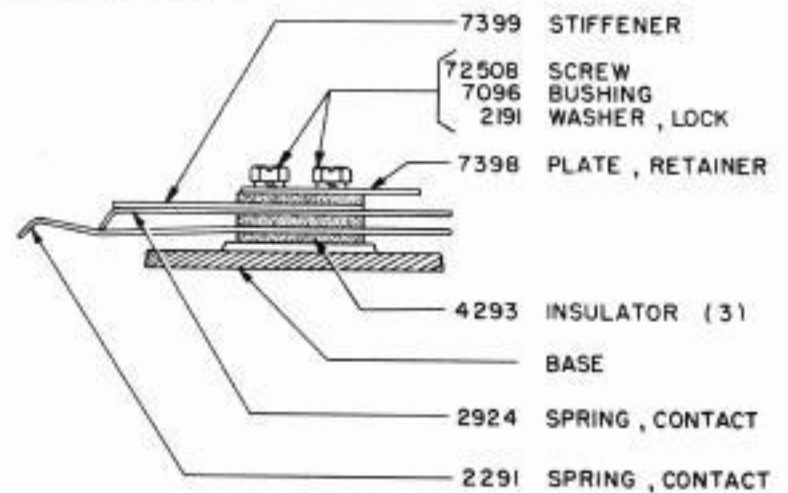
(A) SEE SEC. IV FOR EXPLANATION
(B) 91786 SET OF PARTS FOR RELAY MOUNTING - .020 AMP. (INCLUDES ALL PARTS MARKED (B) ON THIS PAGE AND PAGE I-3)



82917 SEND - RECEIVE - BREAK MECHANISM
(EXCLUDES PARTS MARKED (A))

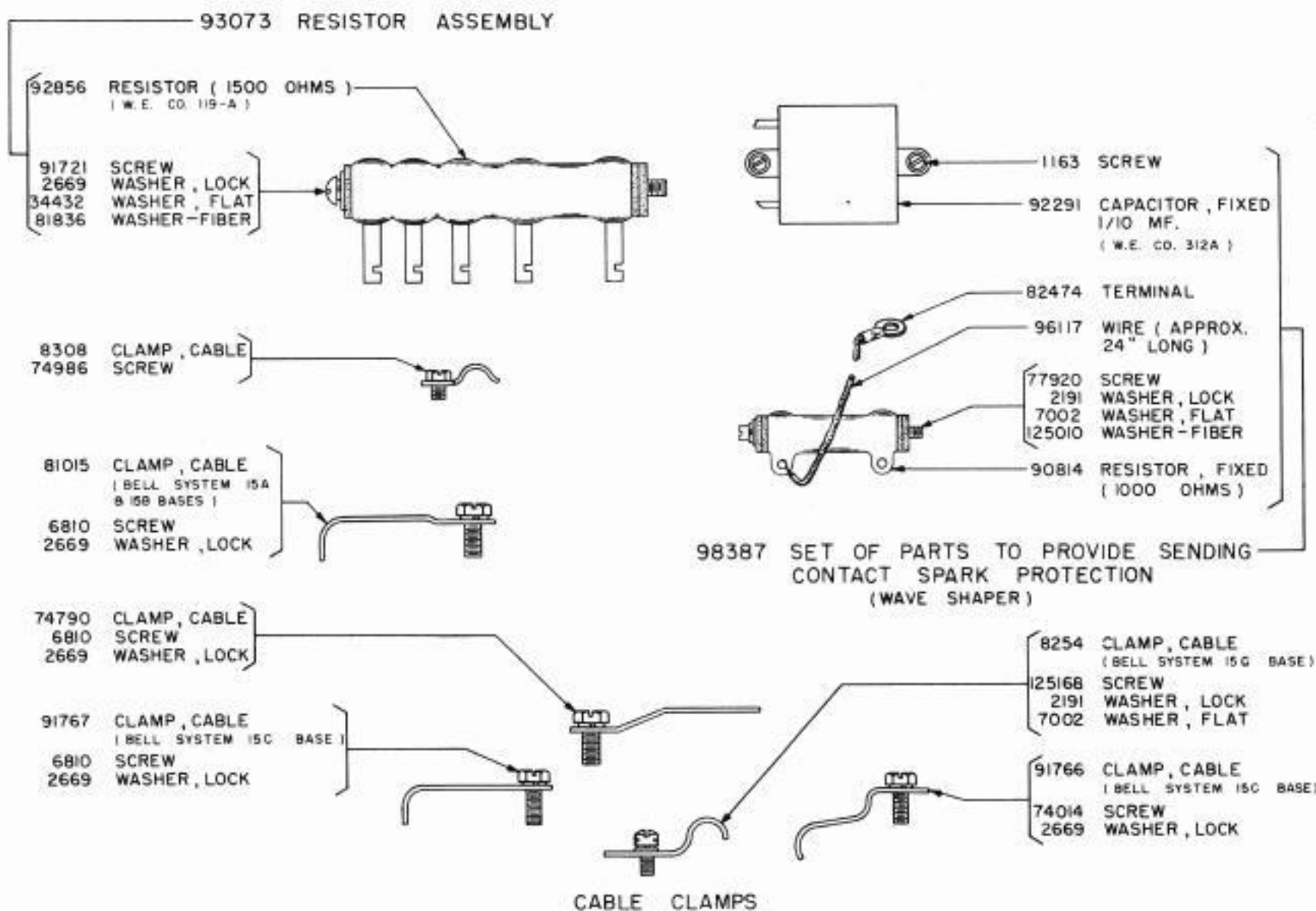
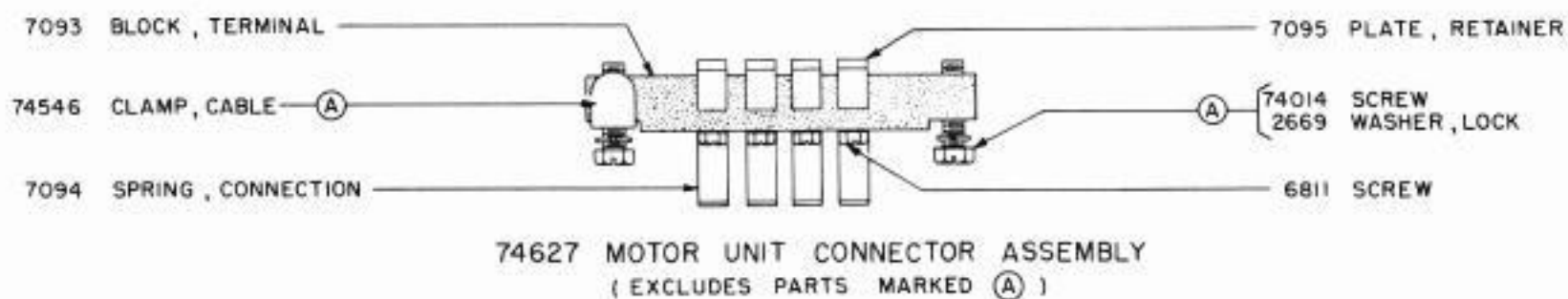
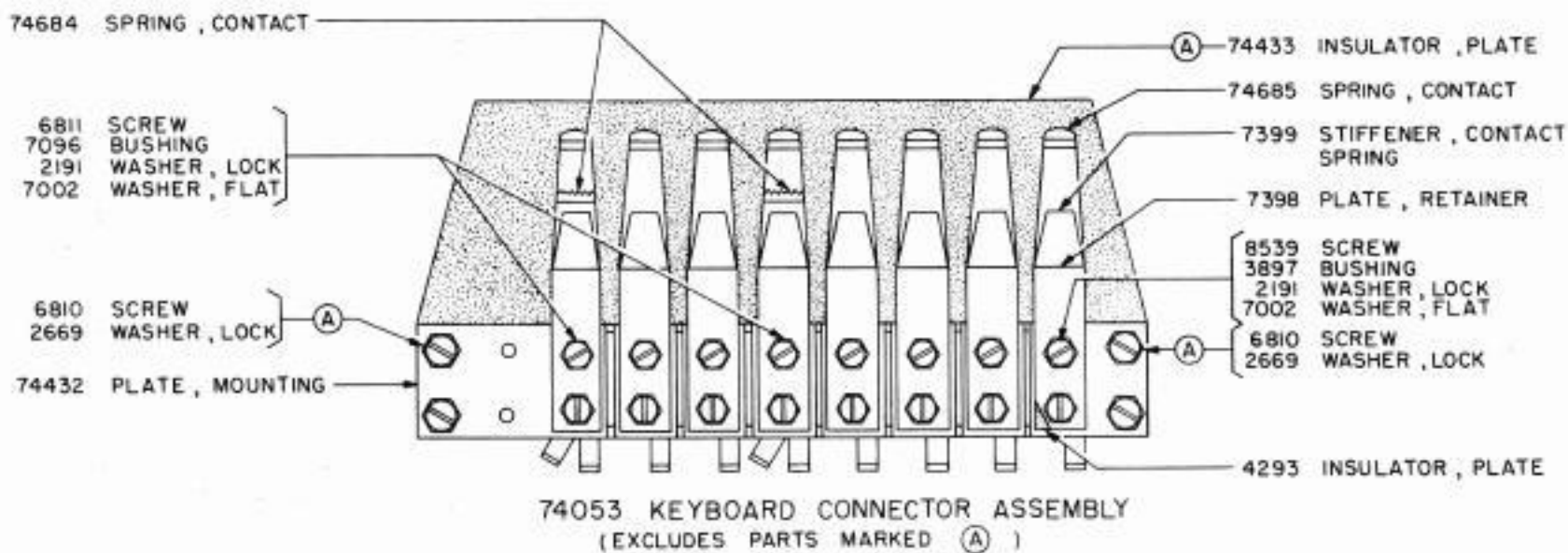


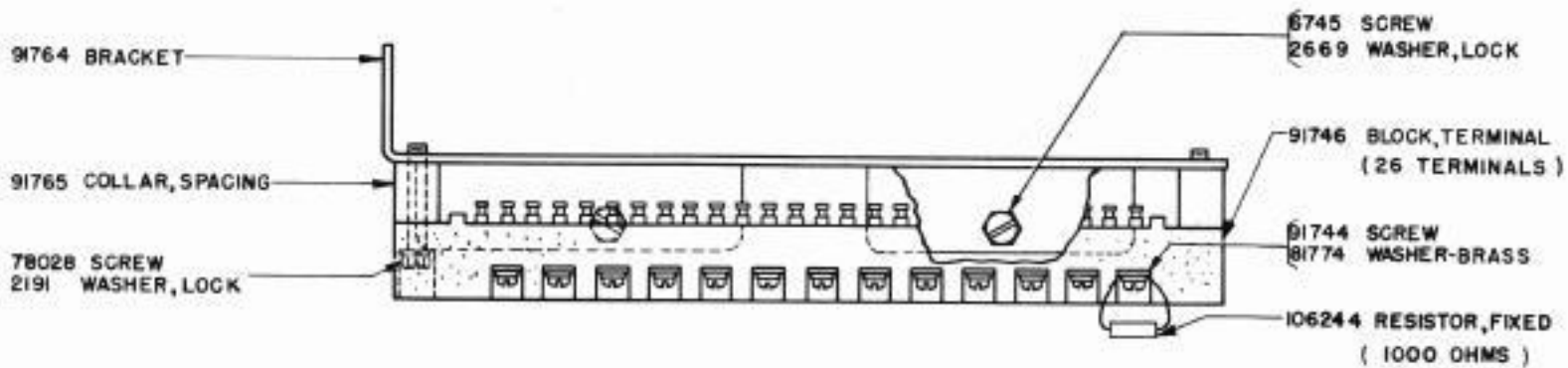
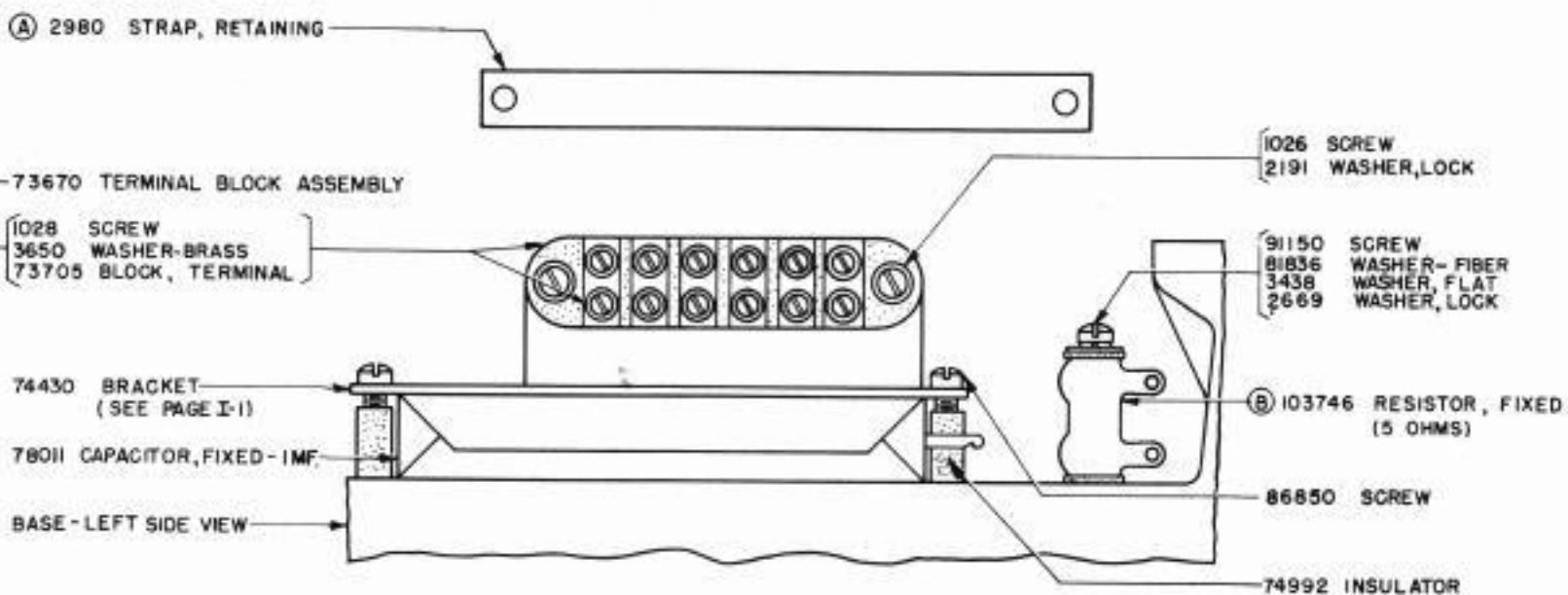
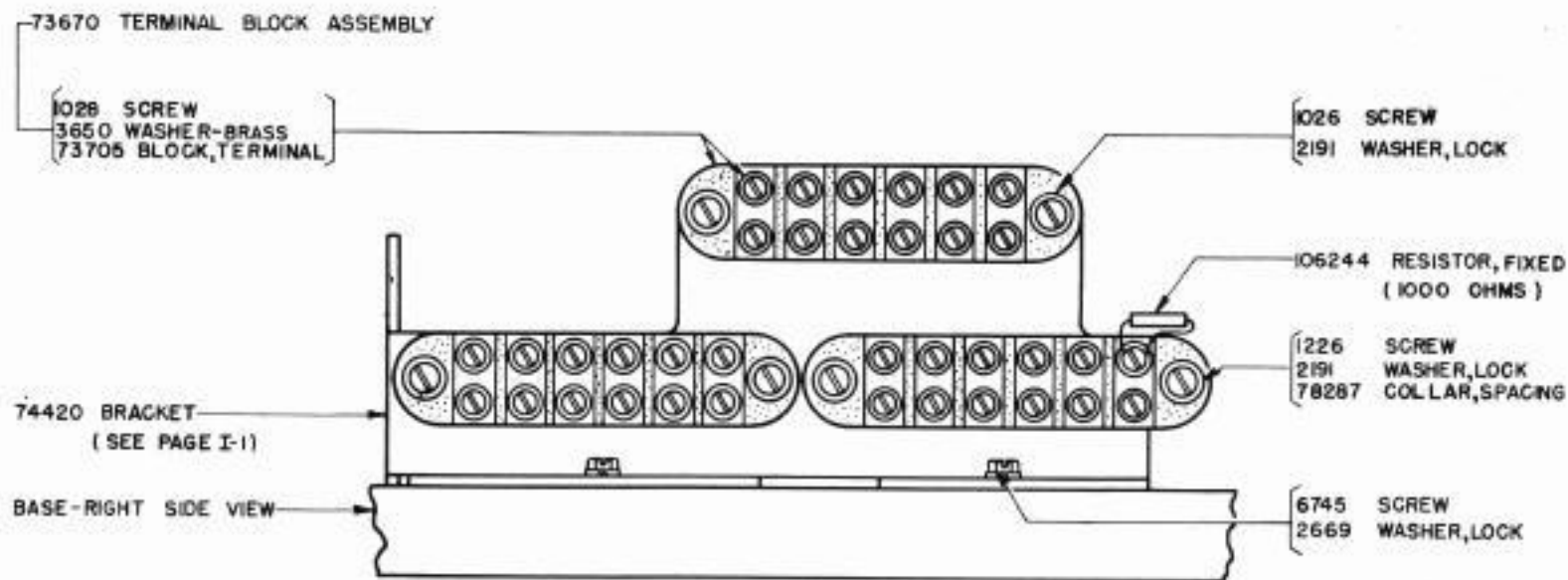
(B) 74817 LINE RELAY SPARK PROTECTION



LINE CLOSING CONTACTS

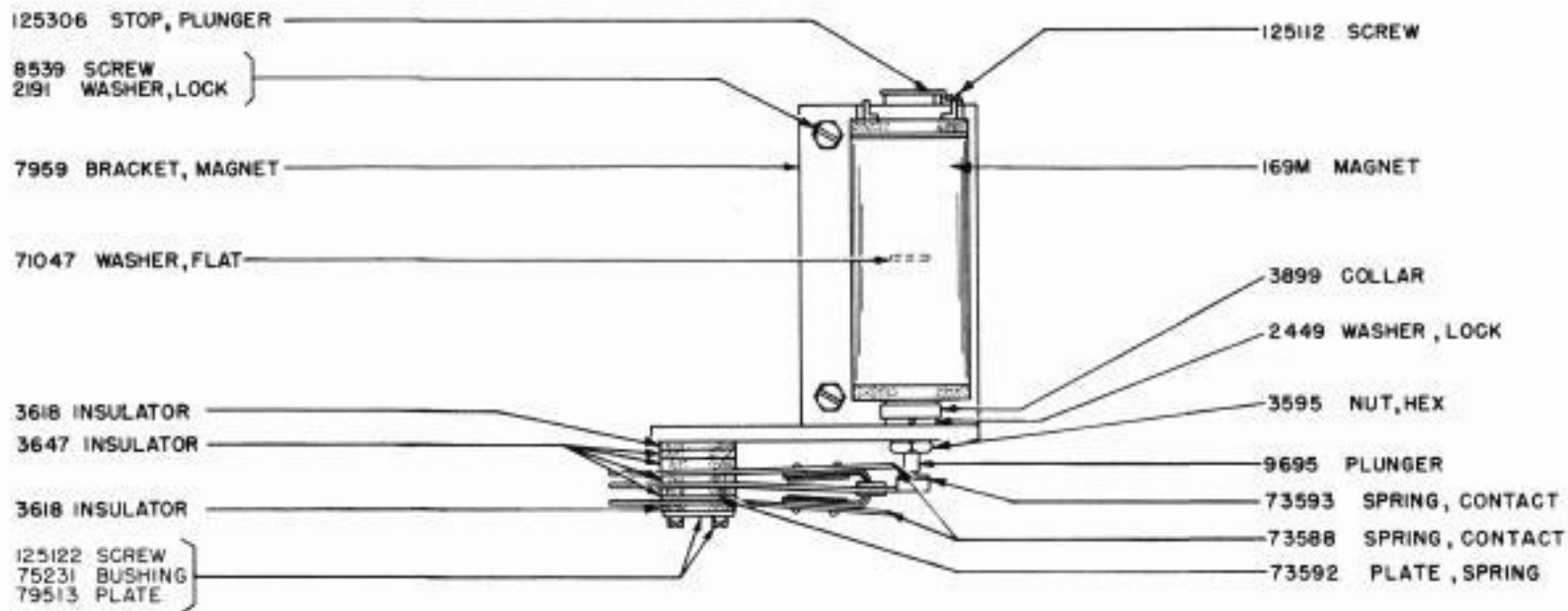
(B) SEE PAGE I-2 FOR EXPLANATION



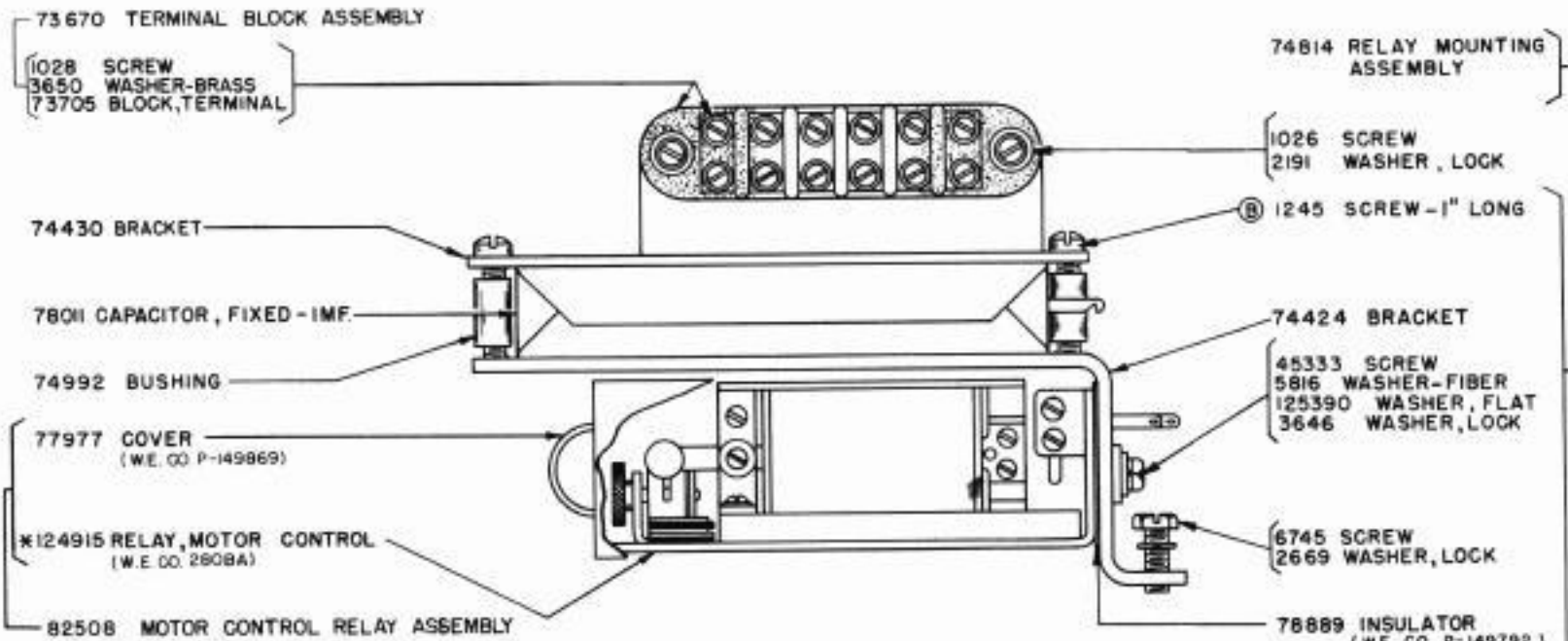


TERMINAL BLOCK PARTS

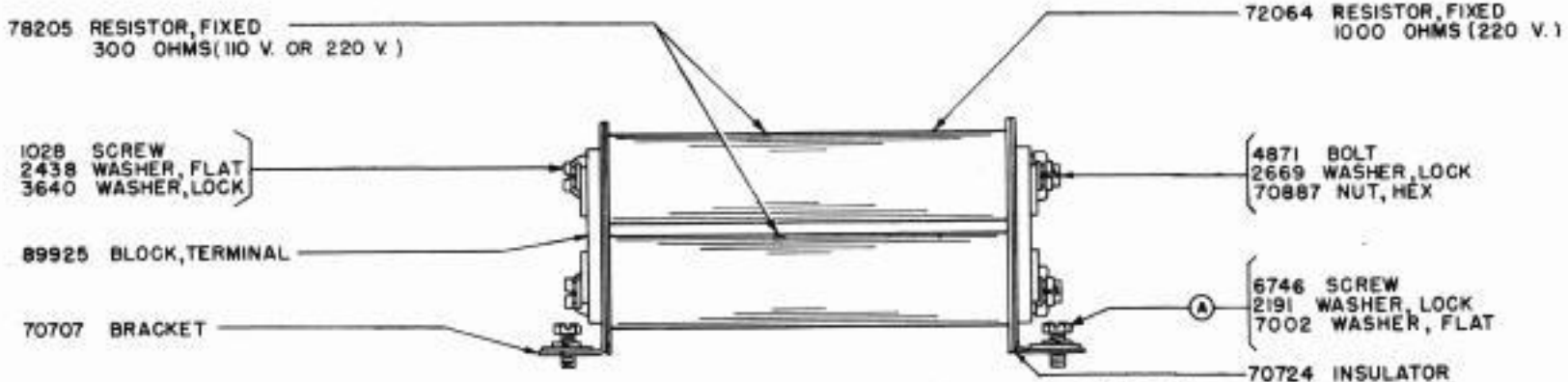
(A) (B) SEE SEC. III FOR EXPLANATION



72484 MOTOR CONTROL RELAY



MOTOR CONTROL RELAY (POLARIZED)

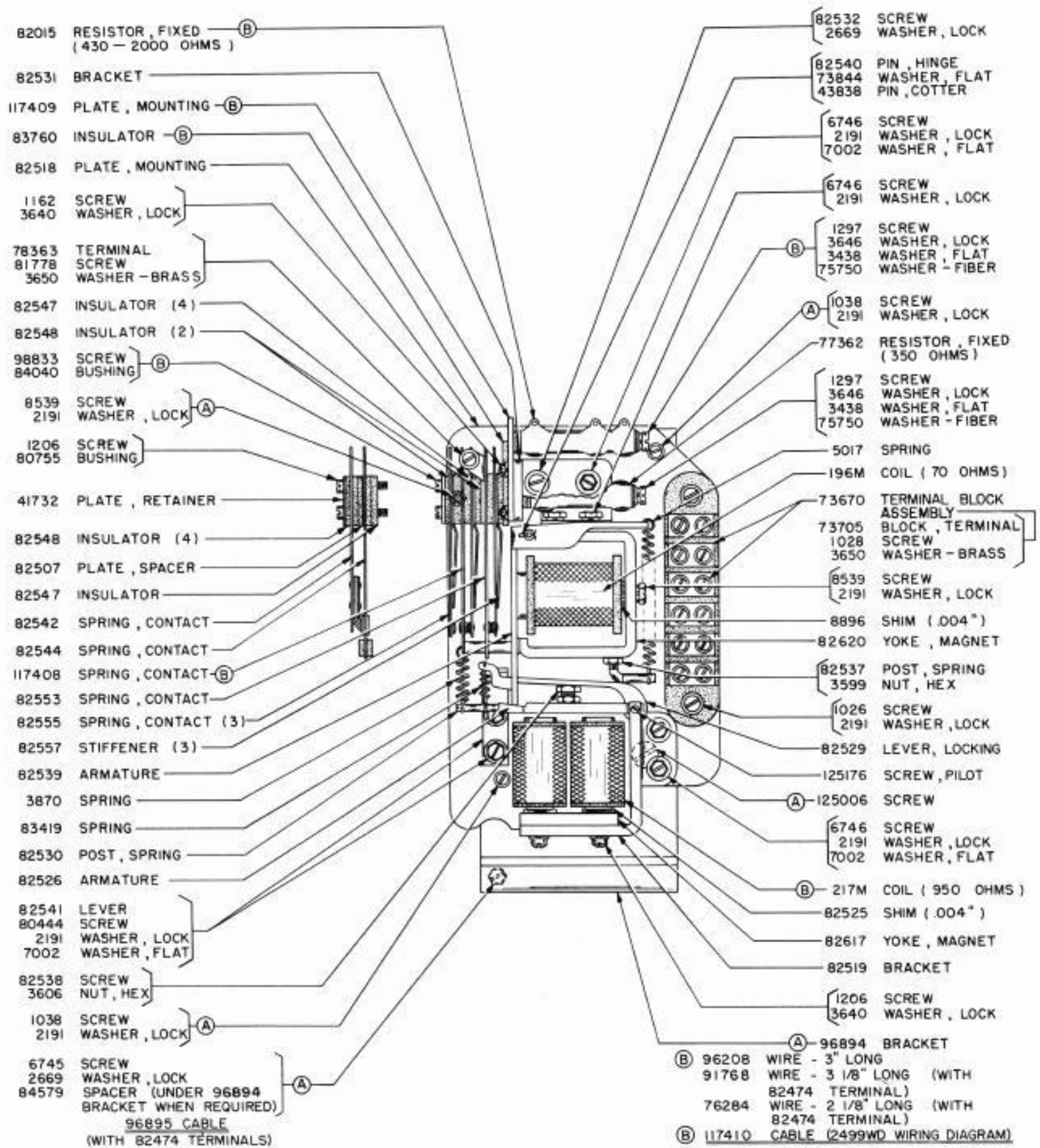


78206 RESISTOR ASSEMBLY: 150-300-600 OHMS (110 V.) (EXCLUDES PARTS MARKED (A))

82346 RESISTOR ASSEMBLY: 300-1000-1300 OHMS (220 V.) (EXCLUDES PARTS MARKED (A))

* FORMERLY 72818 (W.E. CO. 2064H)

(B) SEE SEC. IV FOR EXPLANATION

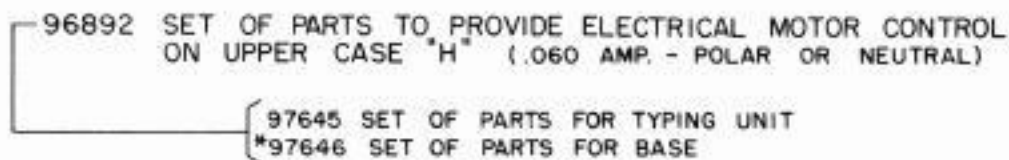
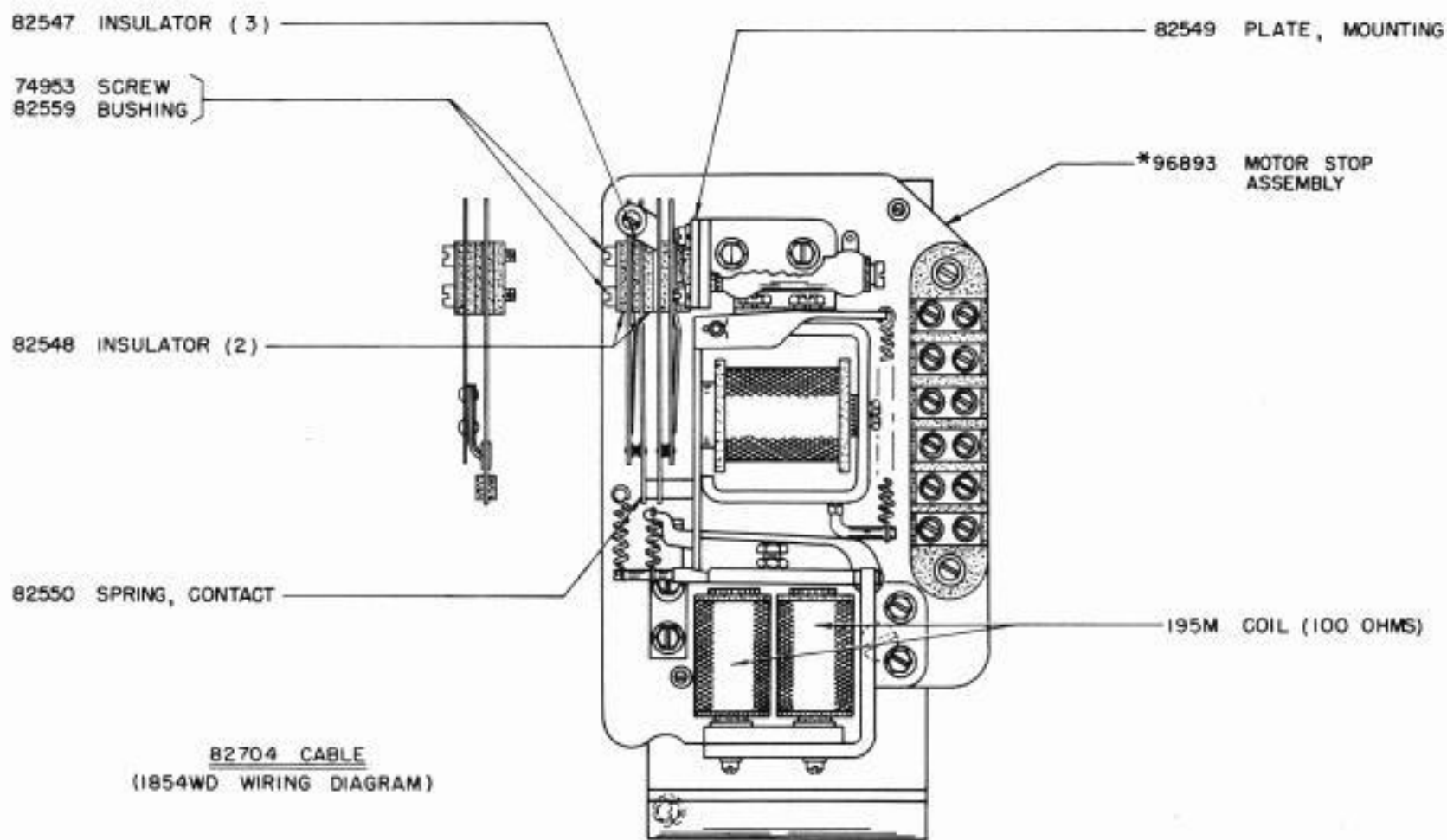
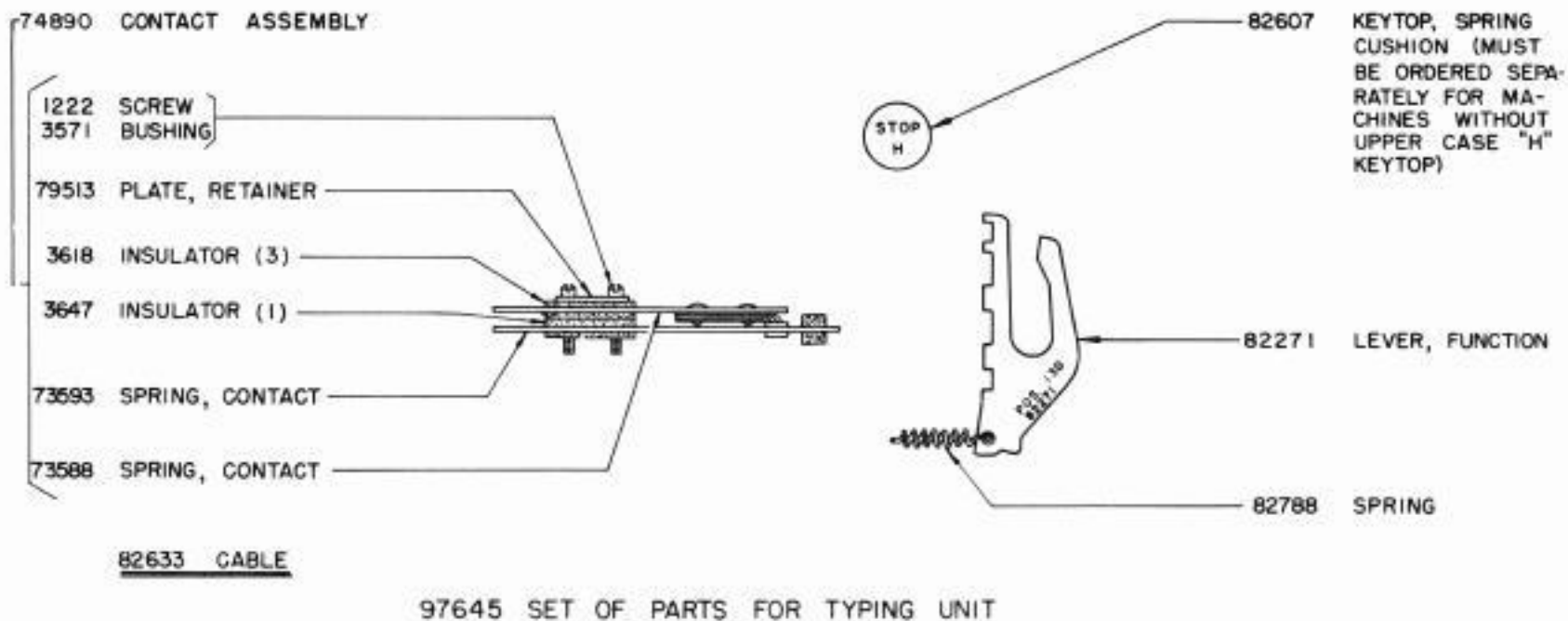


117746 SET OF PARTS FOR BASE

117745 SET OF PARTS TO PROVIDE ELECTRICAL MOTOR CONTROL
ON UPPER CASE "H" (.020 AMP. OR .060 AMP - POLAR OR NEUTRAL)
NOT USED IN THE BELL SYSTEM

97645 SET OF PARTS FOR TYPING UNIT (SHOWN ON PAGE I-8)
*117746 SET OF PARTS FOR BASE (SHOWN ABOVE)

*THE 117746 SET OF PARTS INCLUDES A 117747 MOTOR STOP ASSEMBLY CONSISTING
OF THE PARTS LISTED ABOVE, INCLUDING PARTS MARKED (B) AND EXCLUDING PARTS MARKED (A)



*THE 97646 SET OF PARTS INCLUDES A 96893 MOTOR STOP ASSEMBLY CONSISTING OF THE PARTS LISTED ABOVE AND ON PAGE I-7, EXCLUDING PARTS MARKED (A) AND (B)



74853 CORD, POWER

APPROXIMATELY 28 1/2 INCHES LONG, INCLUDES 72481 PLUG (2 PRONGS) AND 82474 TERMINALS.



89317 CORD, LINE

APPROXIMATELY 35 INCHES LONG, INCLUDES 73497 PLUG - RED (W.E. CO. 347A) AND 82474 TERMINALS.



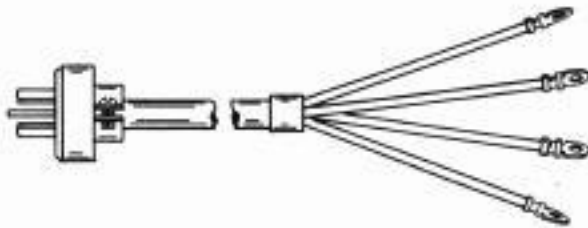
89469 CORD, POWER

APPROXIMATELY 40 INCHES LONG, INCLUDES 92854 PLUG (2 PRONGS) AND 82474 TERMINALS.



8811 CORD, LINE

APPROXIMATELY 59 INCHES LONG, INCLUDES 73497 PLUG - RED (W.E. CO. 347A) AND 82474 TERMINALS.



95050 CORD, POWER

APPROXIMATELY 40 INCHES LONG, INCLUDES 95063 PLUG (3 PRONGS) AND 82474 TERMINALS.



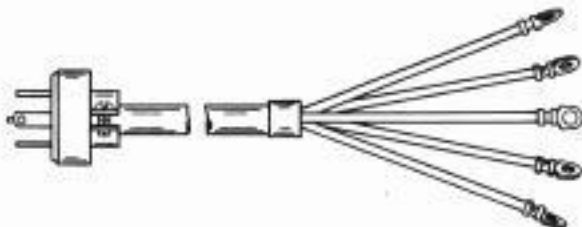
89472 CORD, LINE

APPROXIMATELY 41 INCHES LONG, INCLUDES 73497 PLUG - RED (W.E. CO. 347A) AND 102100 TERMINALS



8809 CORD, POWER

APPROXIMATELY 63 INCHES LONG, INCLUDES 125457 PLUG (2 PRONGS) AND 82474 TERMINALS.



95052 CORD, POWER

APPROXIMATELY 40 INCHES LONG, INCLUDES 95064 PLUG (4 PRONGS) AND 82474 TERMINALS.



89438 CORD, LINE

APPROXIMATELY 41 INCHES LONG, INCLUDES 103236 PLUG - BLACK AND 102100 TERMINALS.

POWER AND LINE CORD ASSEMBLIES



- 55080 BEZEL
- 87182 DISK-CELLULOID
- 125463 PACKING

- 1169 SCREW
- 2191 WASHER, LOCK

- 74589 TERMINAL BLOCK ASSEMBLY
INCLUDES

- 74569 BLOCK, TERMINAL

- 101456 SCREW
- 125229 NUT, HEX

- 96883 TERMINAL

- 74609 SHAFT, SPACER BAR
- 3599 NUT, HEX

- 2378 LEVER, SPACER KEY

- 72643 SCREW, SHOULDER

- 74528 LOOP, SPACER BAR

- 6746 SCREW
- 2191 WASHER, LOCK

- 7334 POST
- 2191 WASHER, LOCK
- 3598 NUT, HEX

- 74749 PLATE, STOP
- 6746 SCREW
- 2191 WASHER, LOCK
- 7002 WASHER, FLAT

- 2525 GUIDE, KEY LEVER-
FRONT

- 6746 SCREW
- 2191 WASHER, LOCK

- 74525 SCREW, THUMB
- 74594 RING, RETAINING

- (A) 9210 LEVER, KEY (WITH DISK)
- (B) 72984 LEVER, KEY

- (A) 9209 LEVER, KEY (WITH DISK)
- (B) 72983 LEVER, KEY

- (A) 74762 LEVER, KEY (WITH DISK)
- (B) 7482 LEVER, KEY

- 85098 BAR, SPACE

TOP VIEW

- 72545 POST
- 2191 WASHER, LOCK
- 3598 NUT, HEX

- 74601 BAR, UNIVERSAL

- 70177 SCREW, PILOT
- 3606 NUT, HEX

- 93737 SHIM (.004")
- 3458 SHIM (.015")

- 8539 SCREW
- 2191 WASHER, LOCK

- 7396 BRACKET—LEFT
- 7397 BRACKET—RIGHT

- 9203 BRACKET (WITH ROLLERS)

- 2528 PLATE, SPRING

- 80392 SPRING, SPACER
KEY LEVER

- 74691 RESISTOR (800-800 OHMS) (C)

- 1297 SCREW
- 75750 WASHER-FIBER
- 3438 WASHER, FLAT
- 3646 WASHER, LOCK

- 2191 WASHER, LOCK
- 3598 NUT, HEX

- 74610 SHAFT, KEY LEVER

- 2663 BUMPER-RUBBER

- 2574 UPSTOP

- 1268 SCREW

- 74590 PLATE

- 74581 BAR, SELECTOR NO. 1
- 74582 BAR, SELECTOR NO. 2
- 74583 BAR, SELECTOR NO. 3
- 74584 BAR, SELECTOR NO. 4
- 74585 BAR, SELECTOR NO. 5

- 71449 GUIDE, KEY LEVER-
REAR

- 6746 SCREW
- 2191 WASHER, LOCK

- 74986 SCREW
- 2191 WASHER, LOCK

- (C) 82866 RESISTOR, FIXED
(800-3700 OHMS)

- (C) 1297 SCREW
- (C) 75750 WASHER-FIBER
- (C) 3438 WASHER, FLAT
- (C) 3646 WASHER, LOCK

- 2565 SPRING, KEY LEVER

BOTTOM VIEW

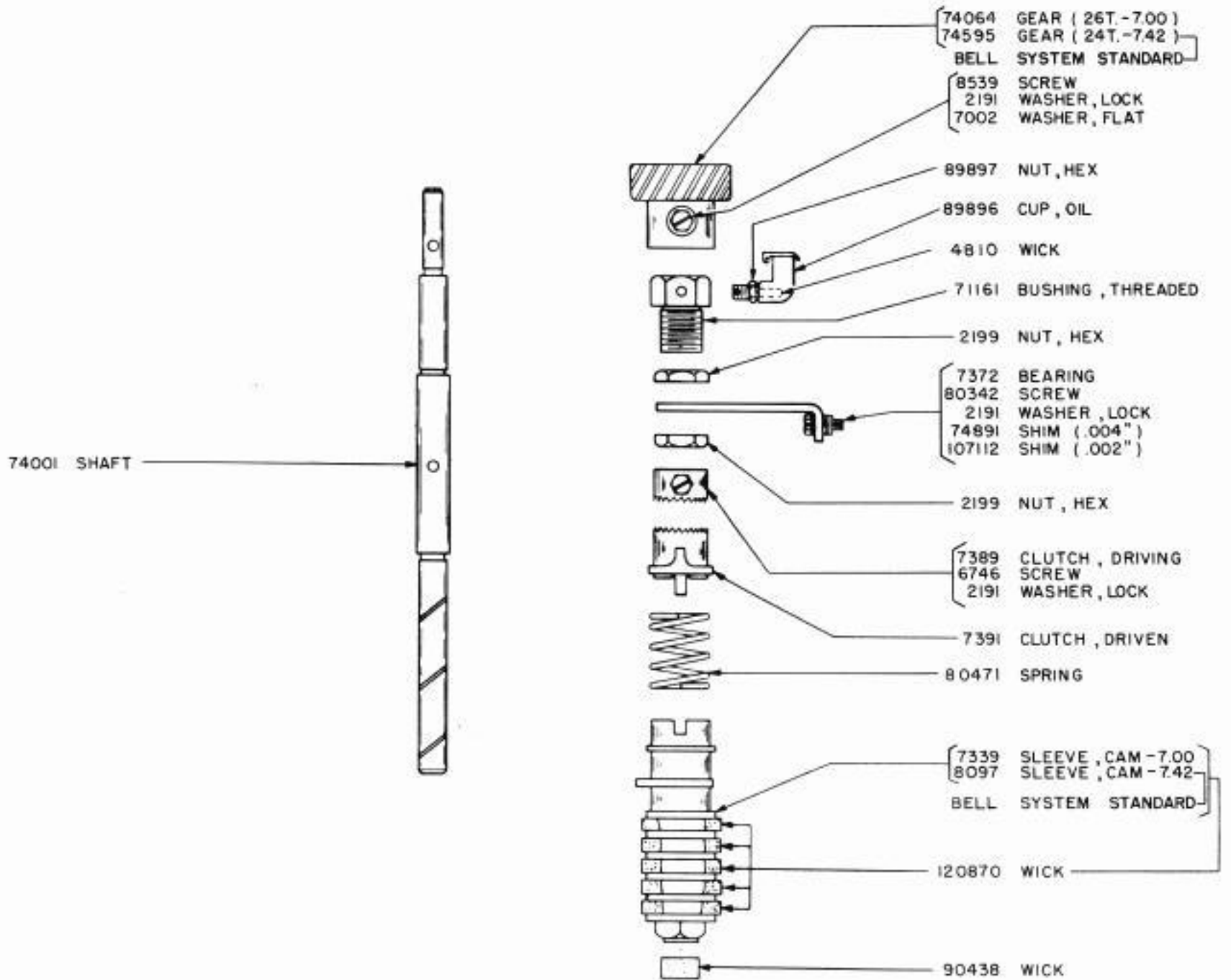
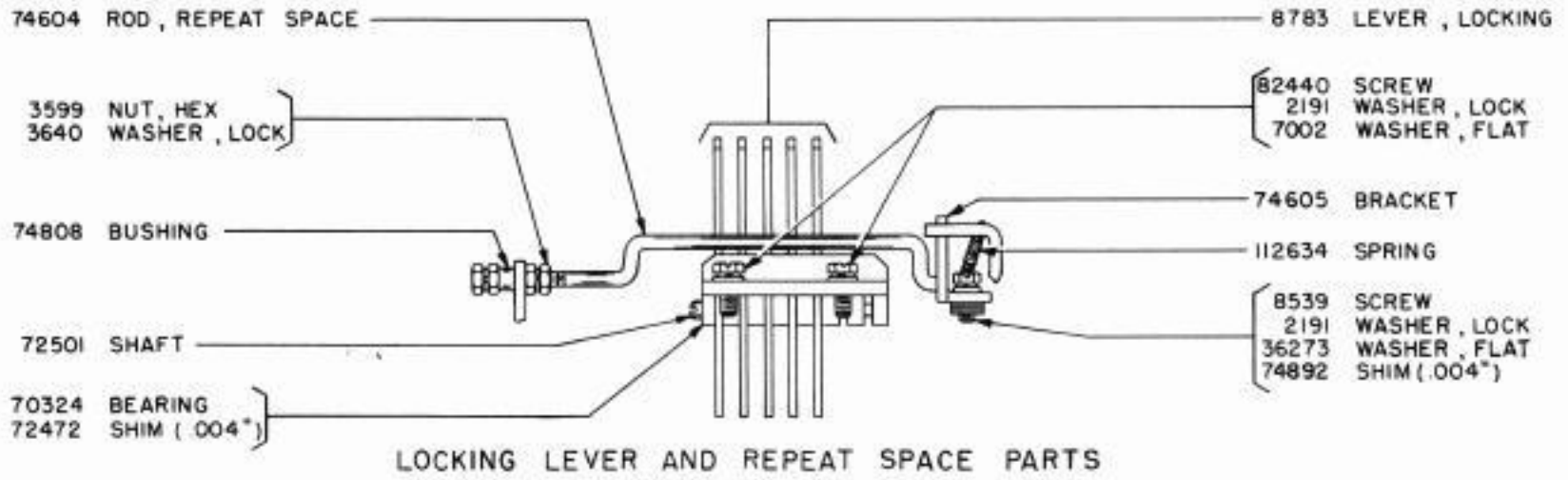
KEYBOARD

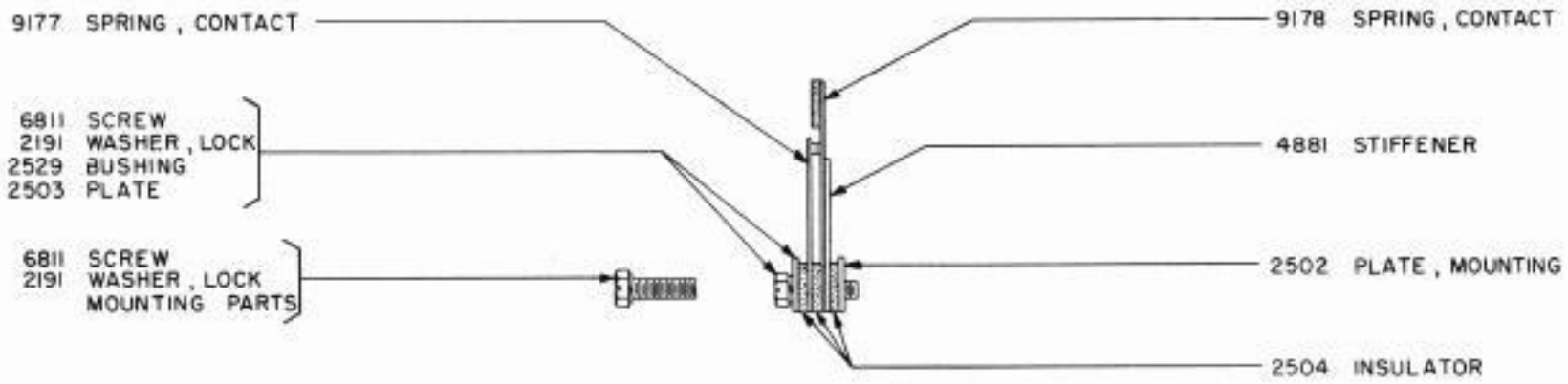
FOR KEYTOPS SEE CHART SHOWN ON PAGE I-39

(A) FOR SPRING CUSHION KEYTOPS

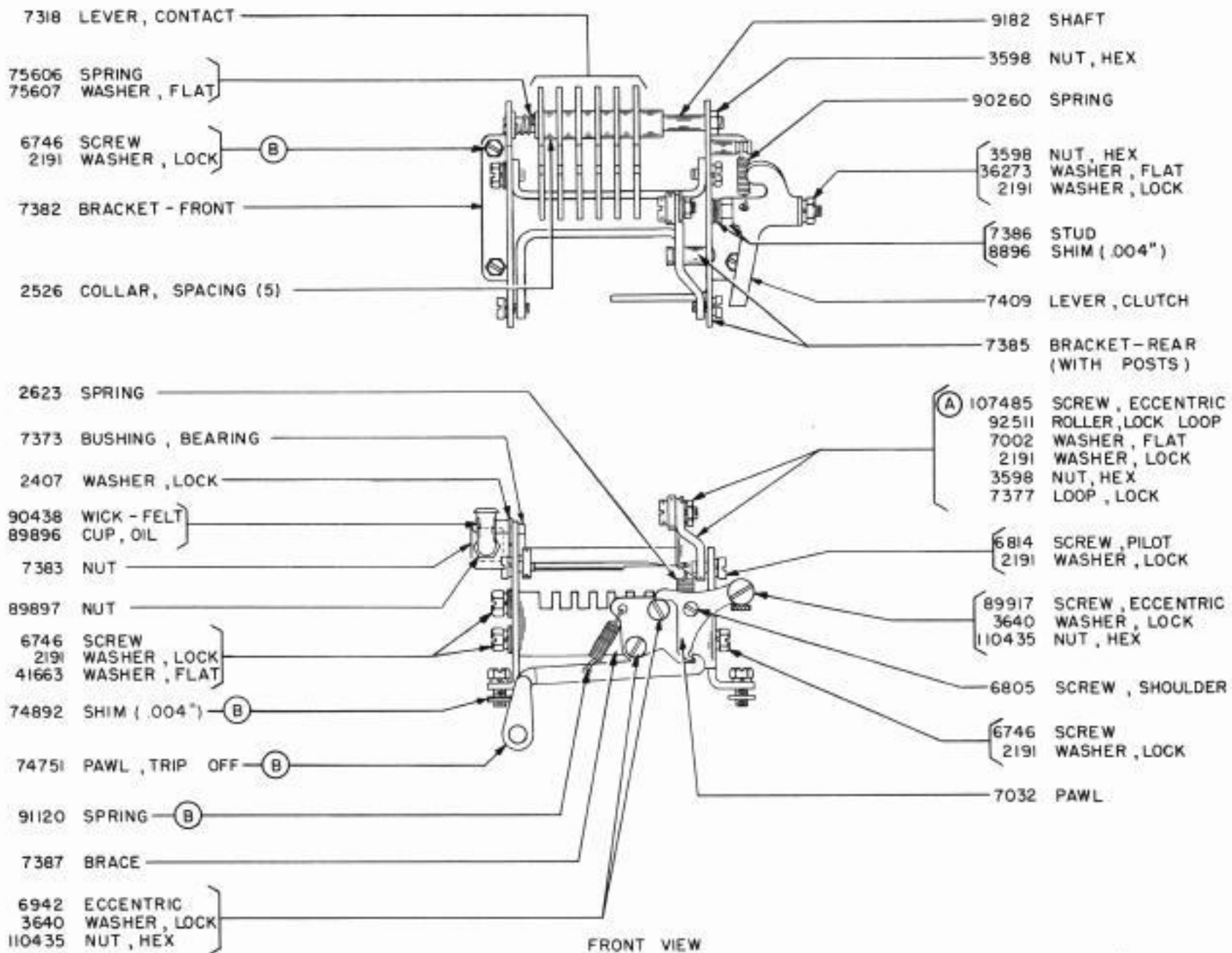
(B) FOR CELLULOID KEYTOPS

(C) PARTS ARE USED WITH LOCAL TEST KEY
(SEE PAGE I-13 FOR ADDITIONAL PARTS)



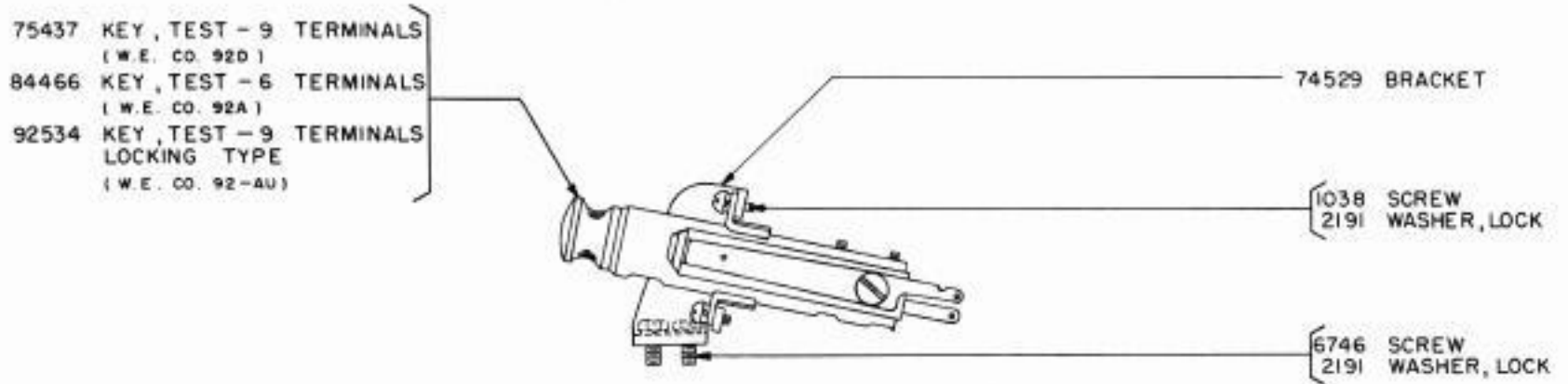


7381 CONTACT MOUNTING ASSEMBLY - LESS MOUNTING PARTS

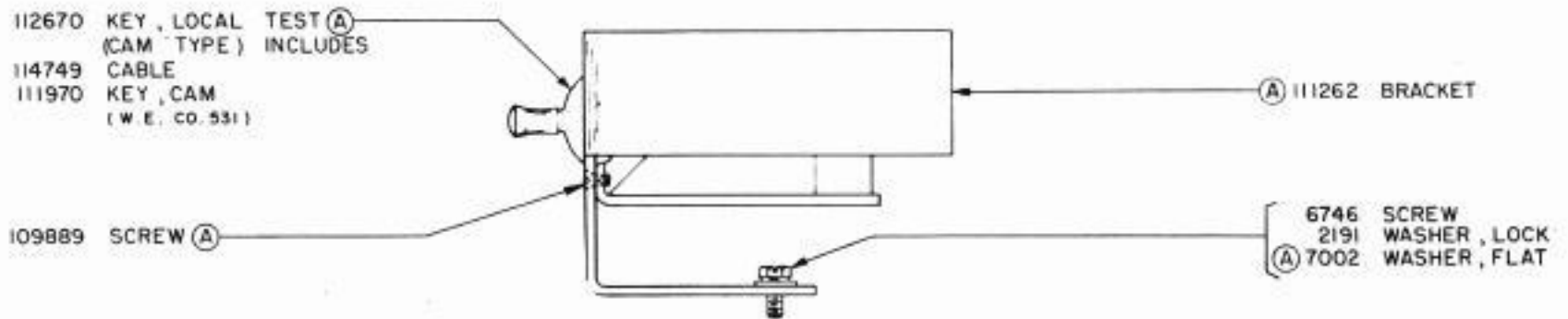


74690 TRANSMITTER MECHANISM (INCLUDES 7381 CONTACT MOUNTING ASSEMBLY)
(EXCLUDES PARTS MARKED (B))

(A) SEE SEC. IV FOR EXPLANATION

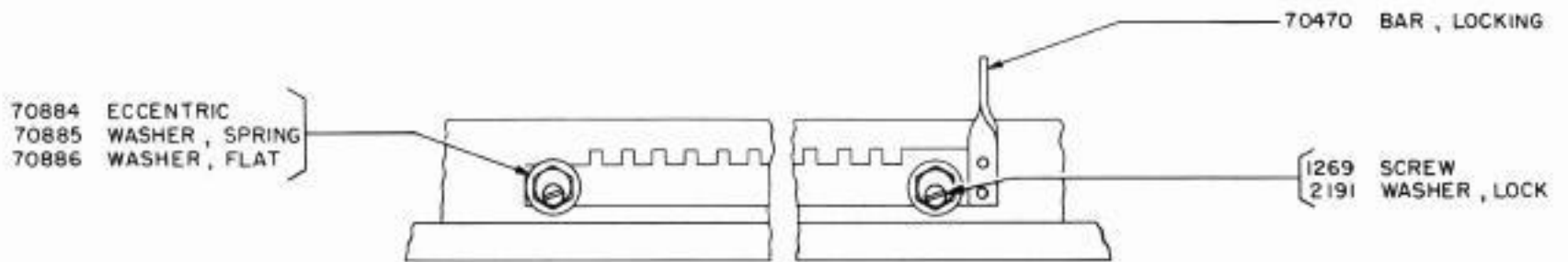


LINE TEST KEY - LOCKING AND NON-LOCKING (PUSH TYPE)



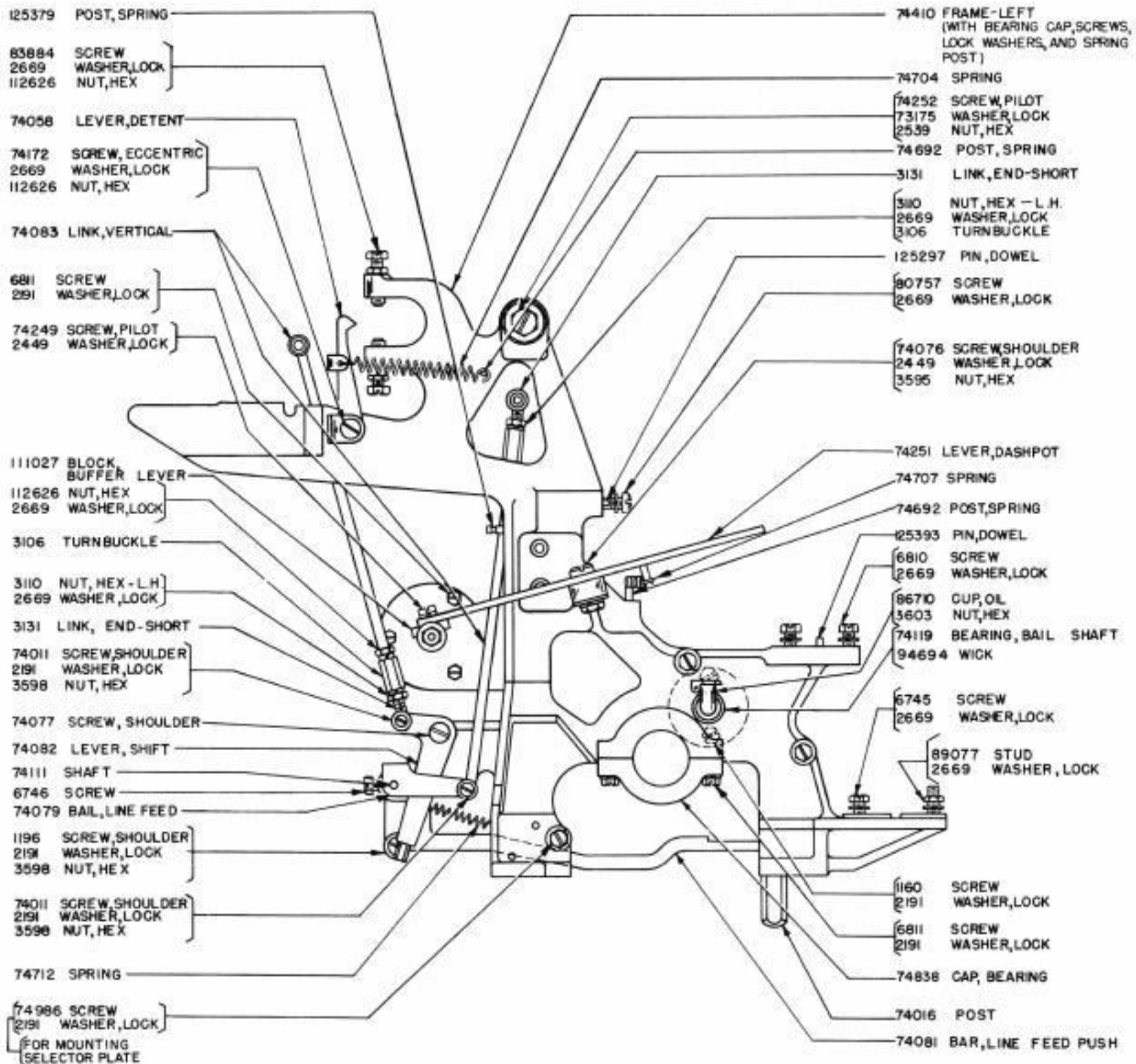
112549 SET OF PARTS TO PROVIDE LOCAL TEST ON KEYBOARD

(SEE PAGE I-10 FOR ADDITIONAL PARTS MARKED (C))

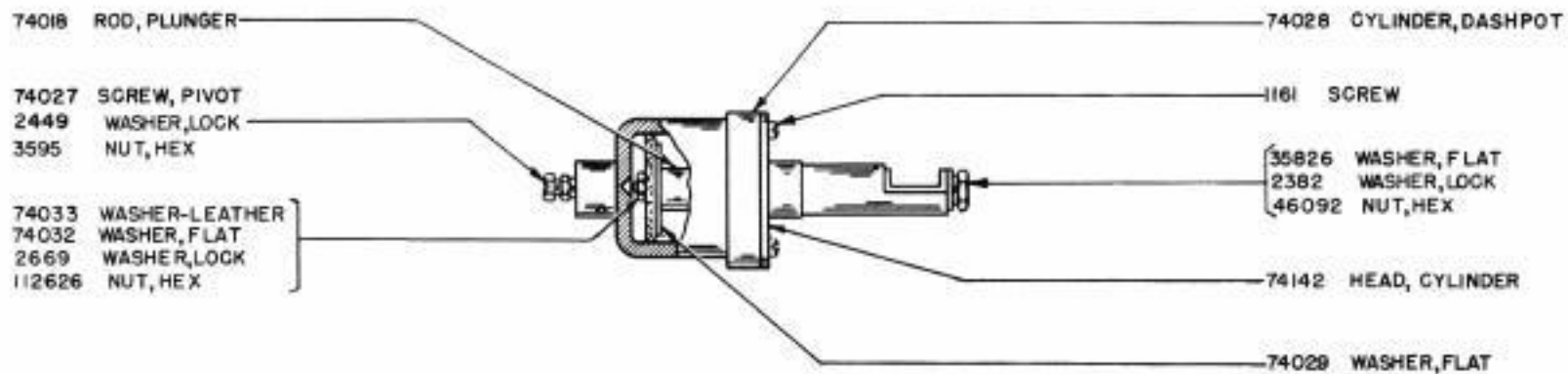


MANUAL KEYLEVER

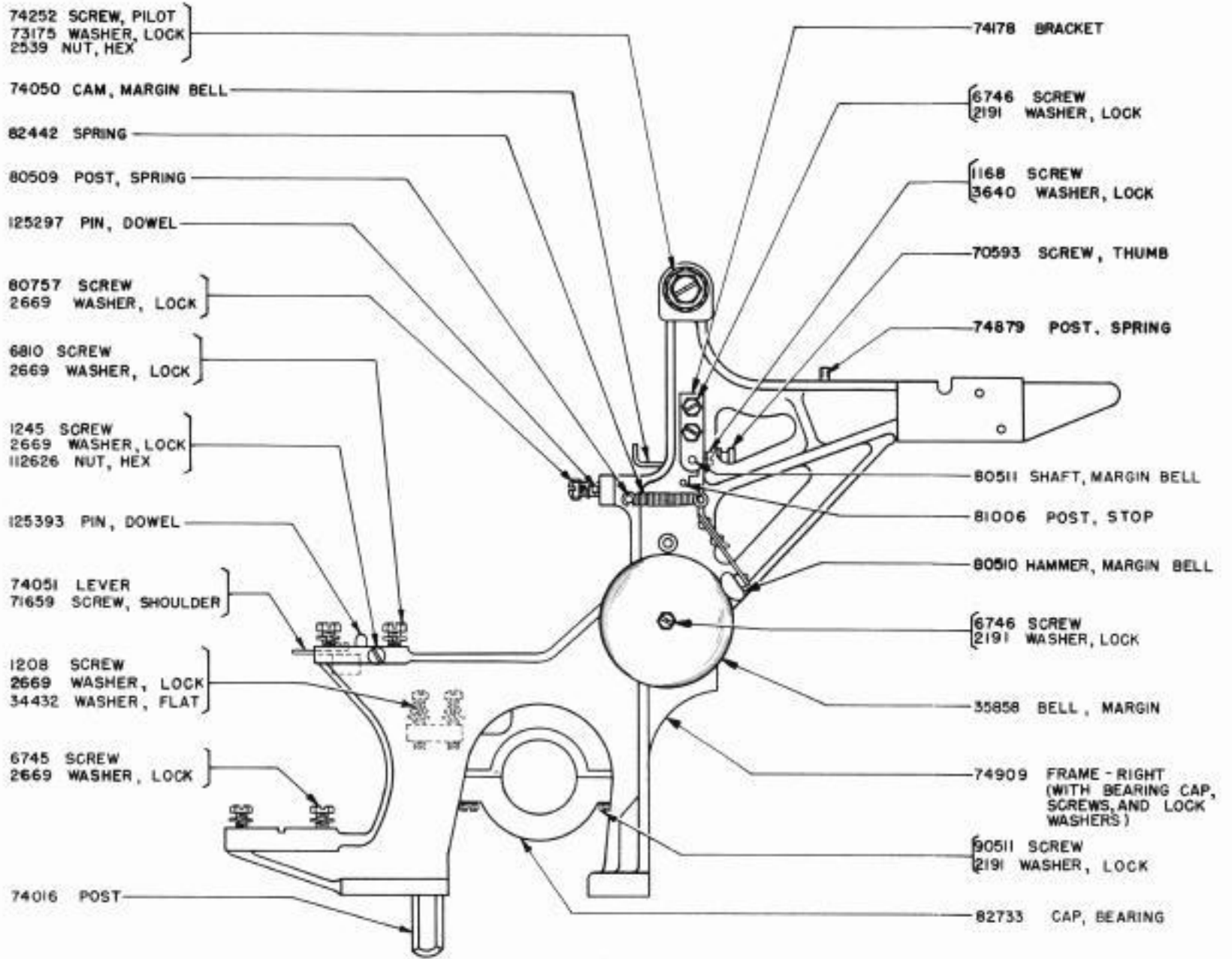
(A) 106938 SET OF PARTS TO CONVERT THE PUSH TYPE TEST KEY TO THE CAM TYPE TEST KEY.



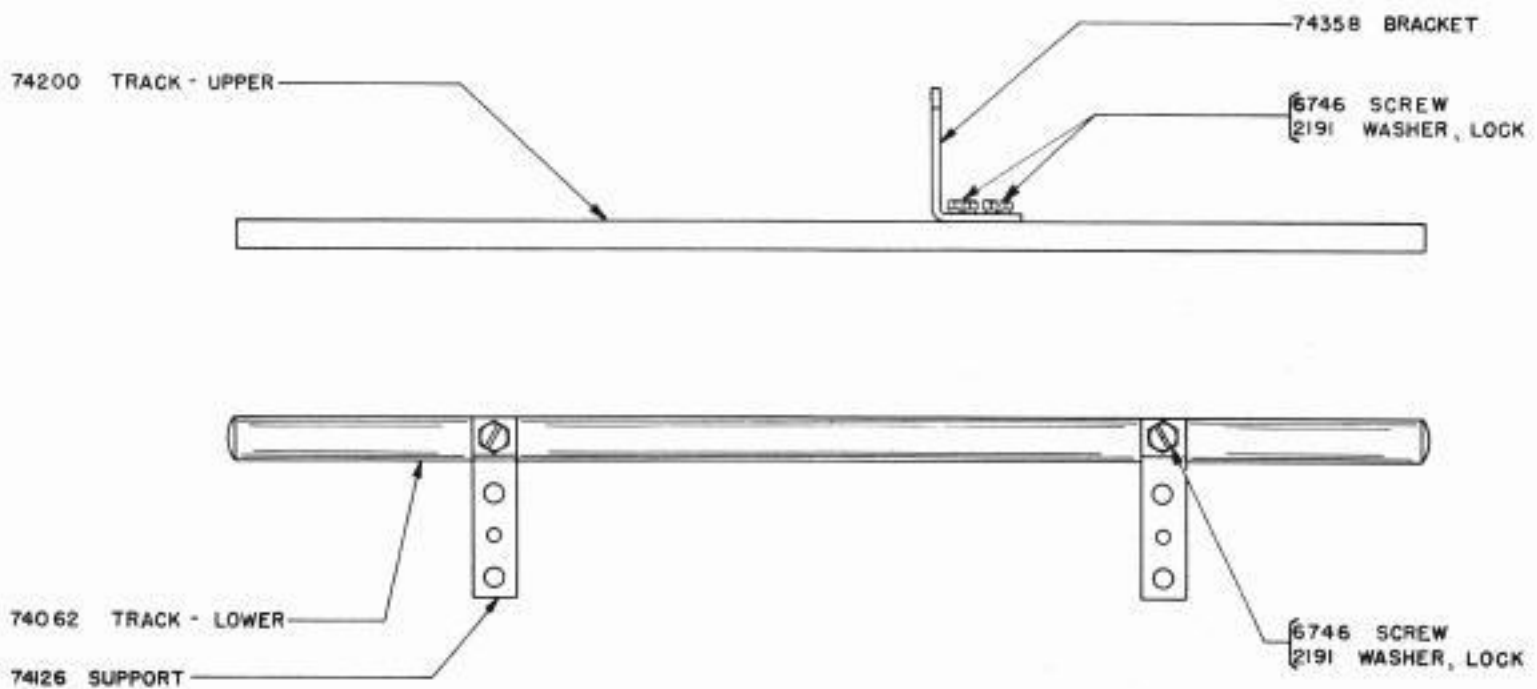
LEFT SIDE FRAME PARTS



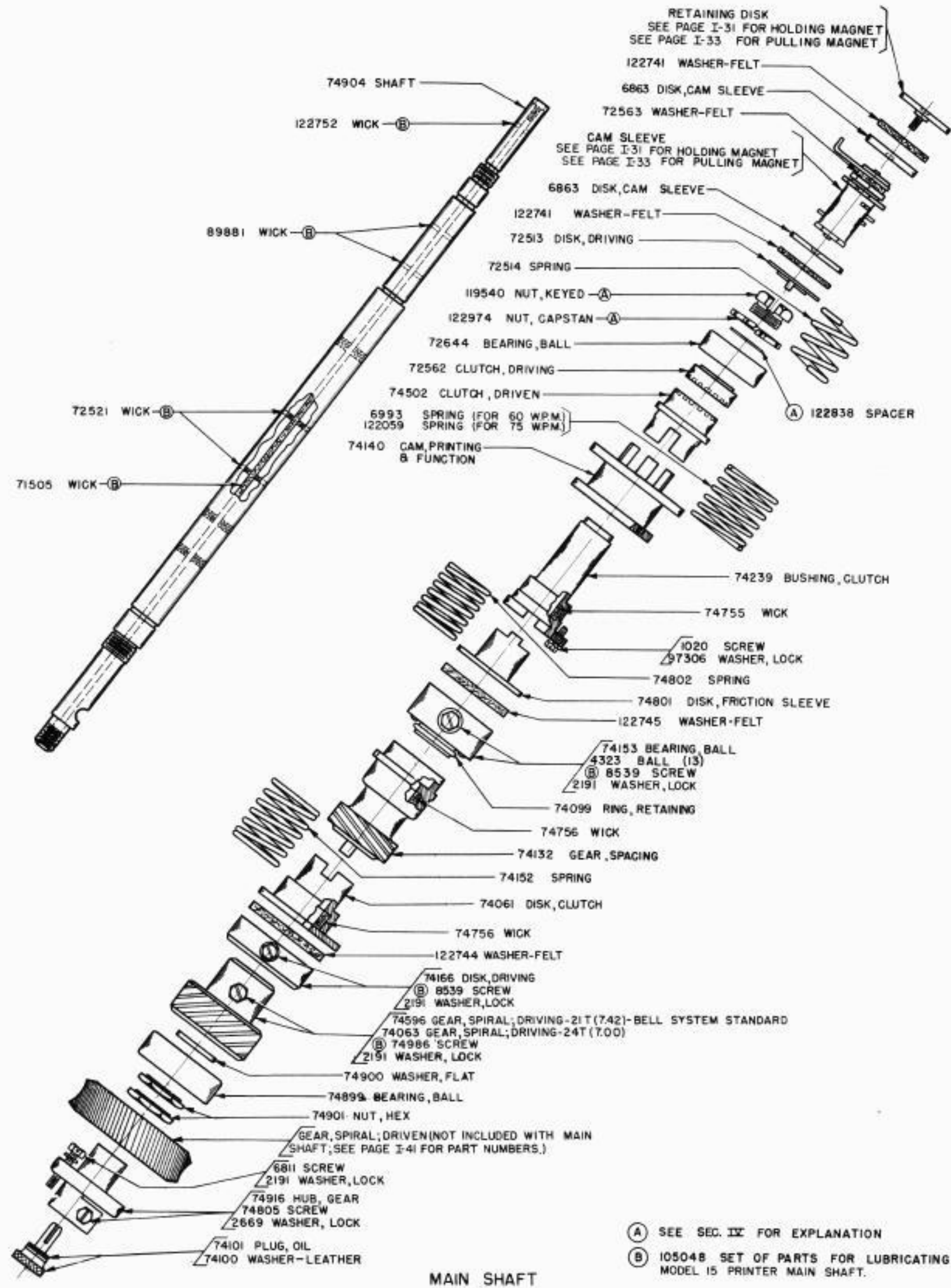
74282 DASHPOT ASSEMBLY



RIGHT SIDE FRAME PARTS



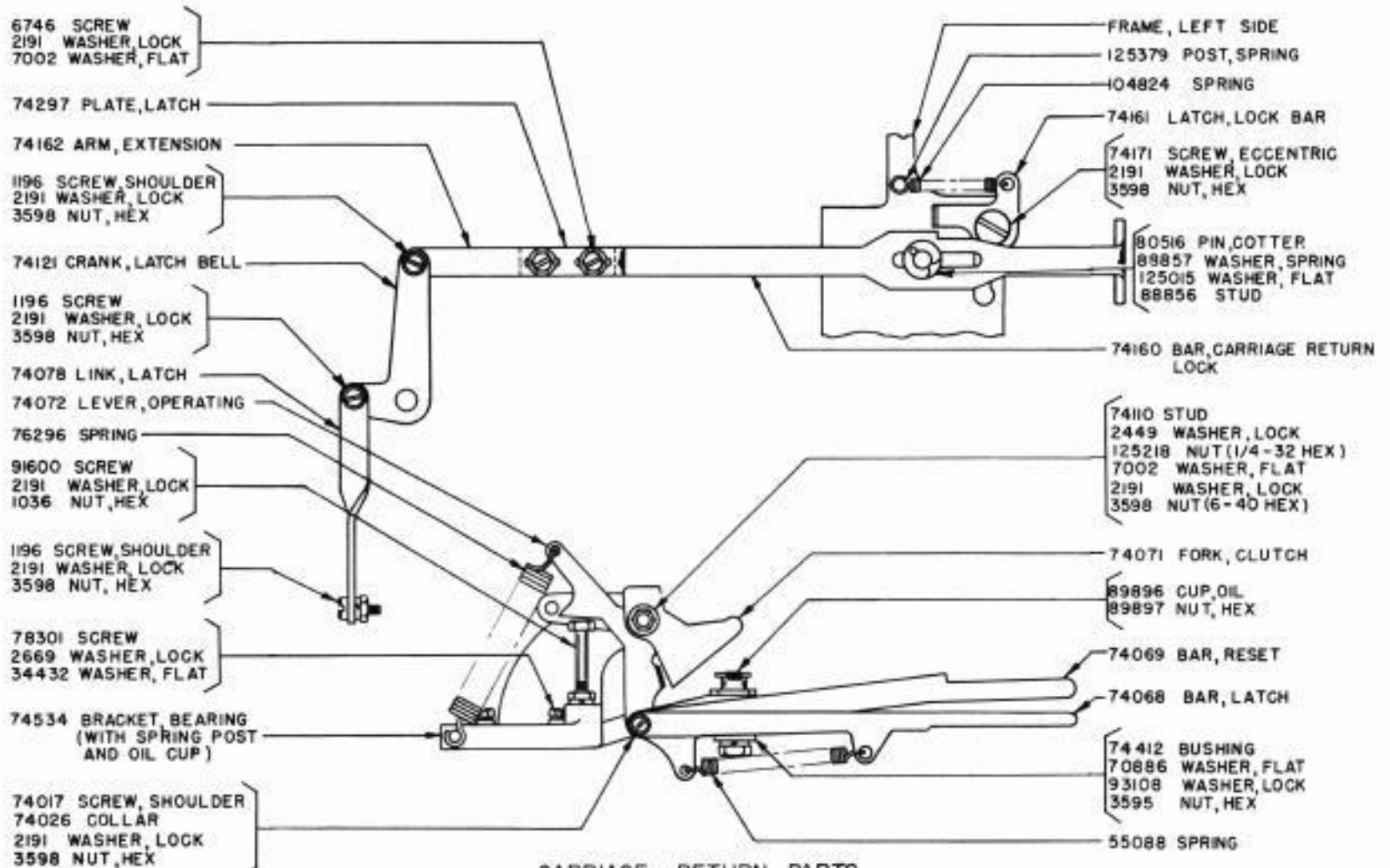
TYPE BAR CARRIAGE TRACKS



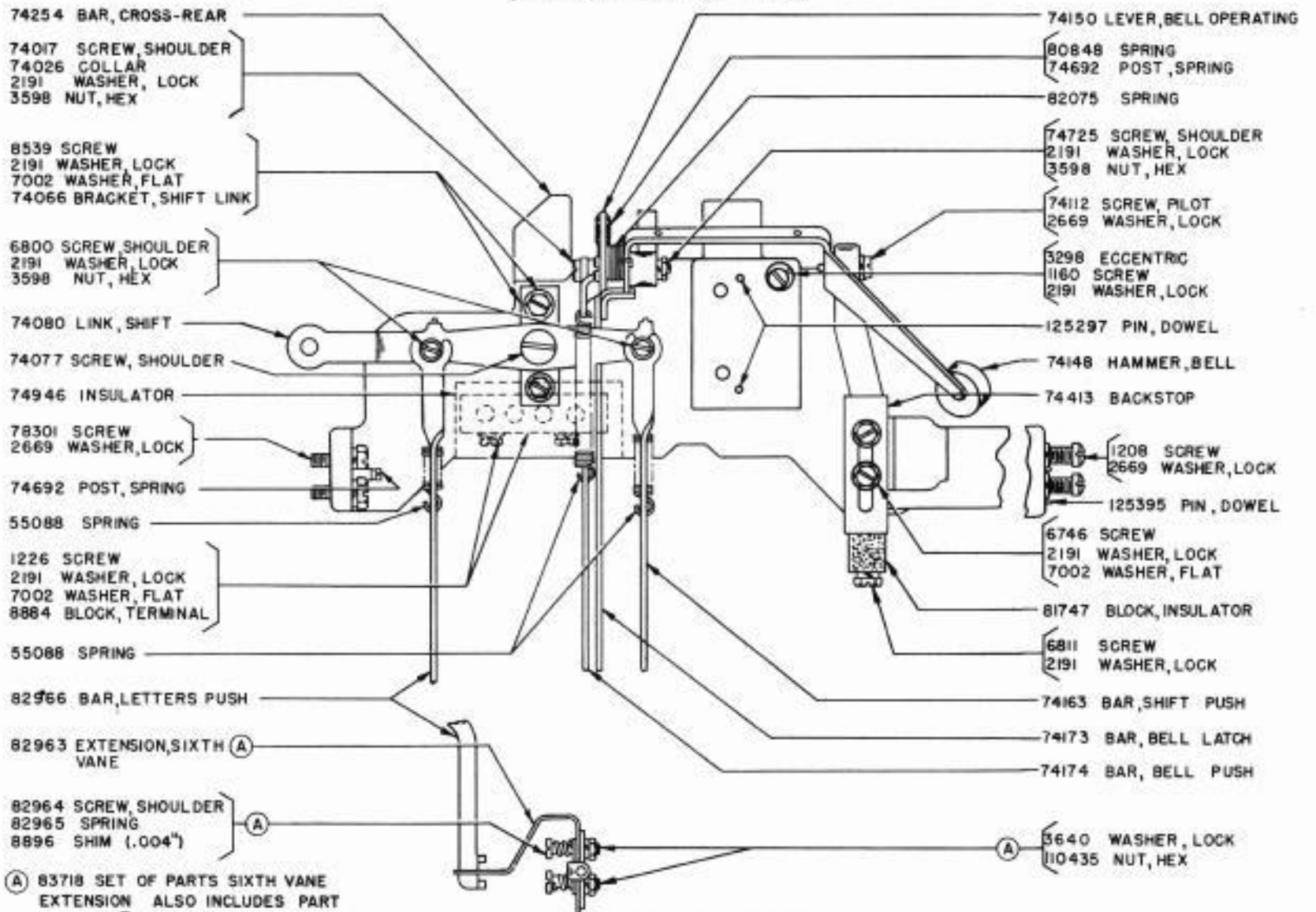
- (A) SEE SEC. IX FOR EXPLANATION
- (B) 105048 SET OF PARTS FOR LUBRICATING MODEL 15 PRINTER MAIN SHAFT.

MAIN SHAFT

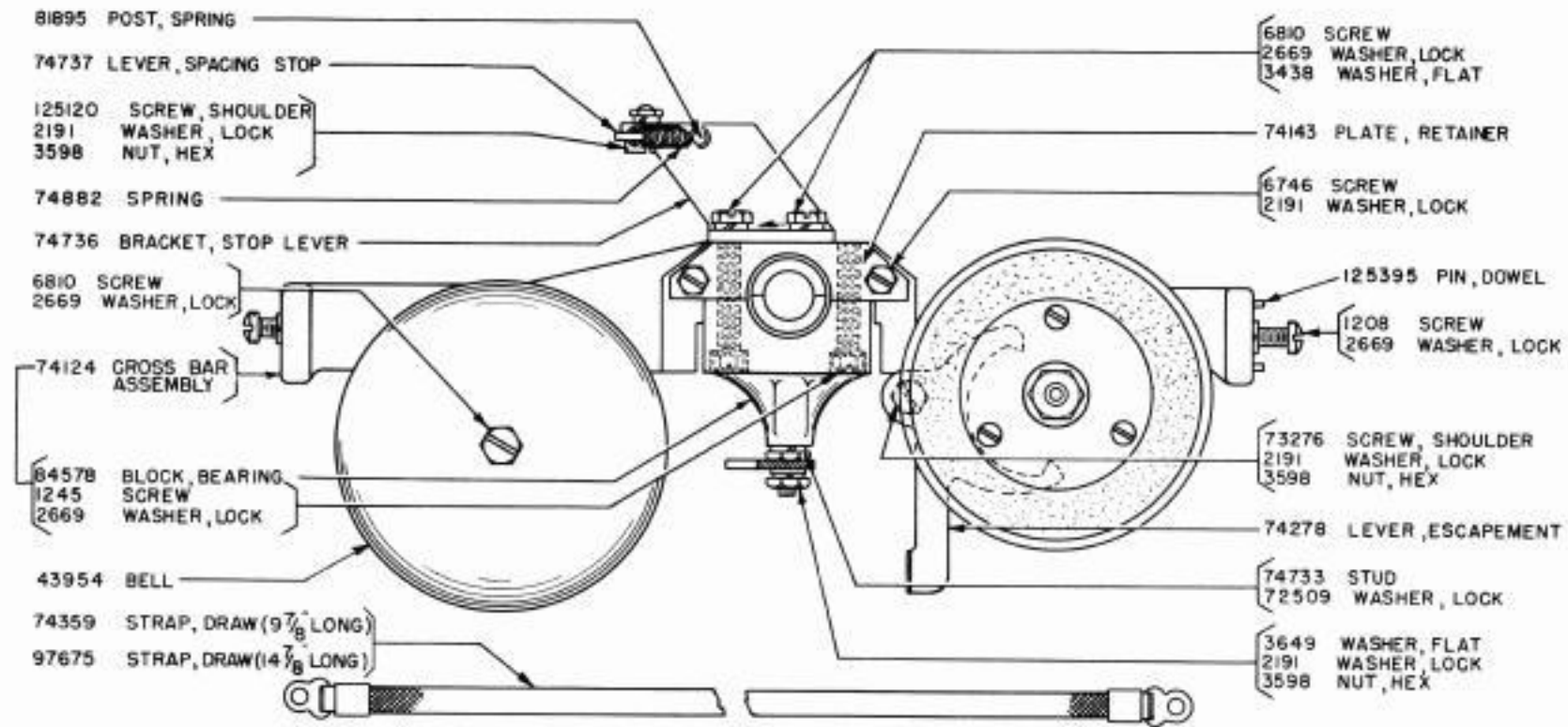
ORIGINAL



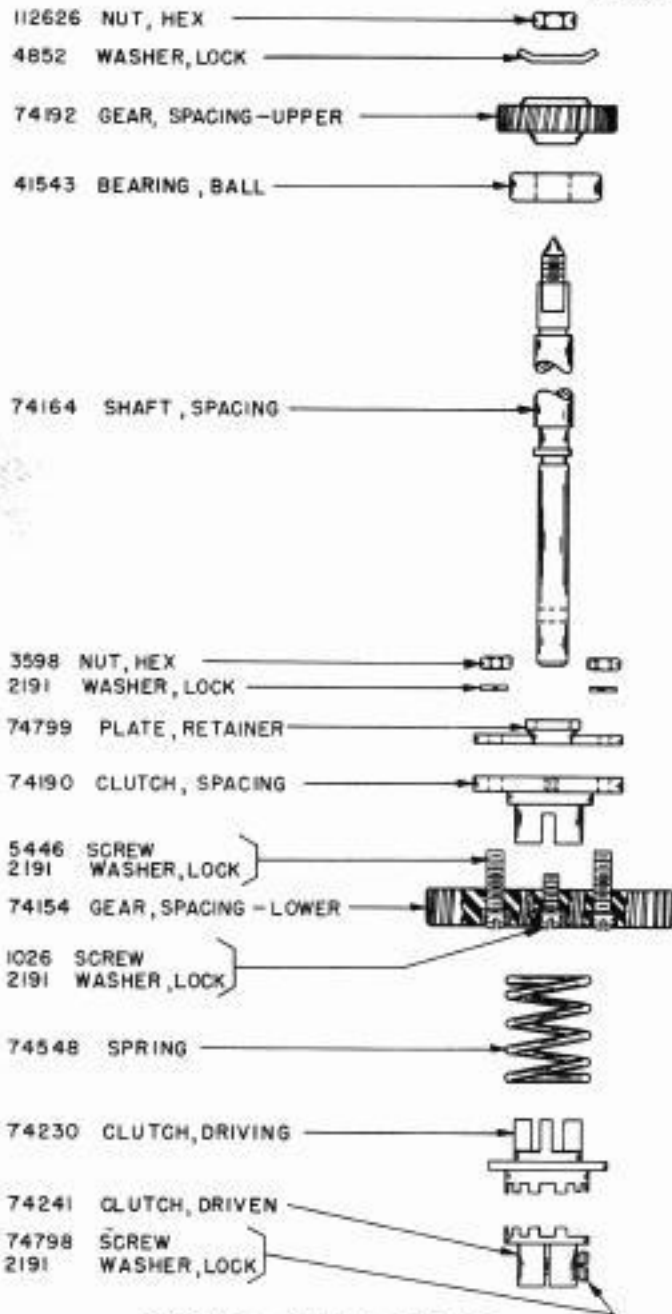
CARRIAGE RETURN PARTS



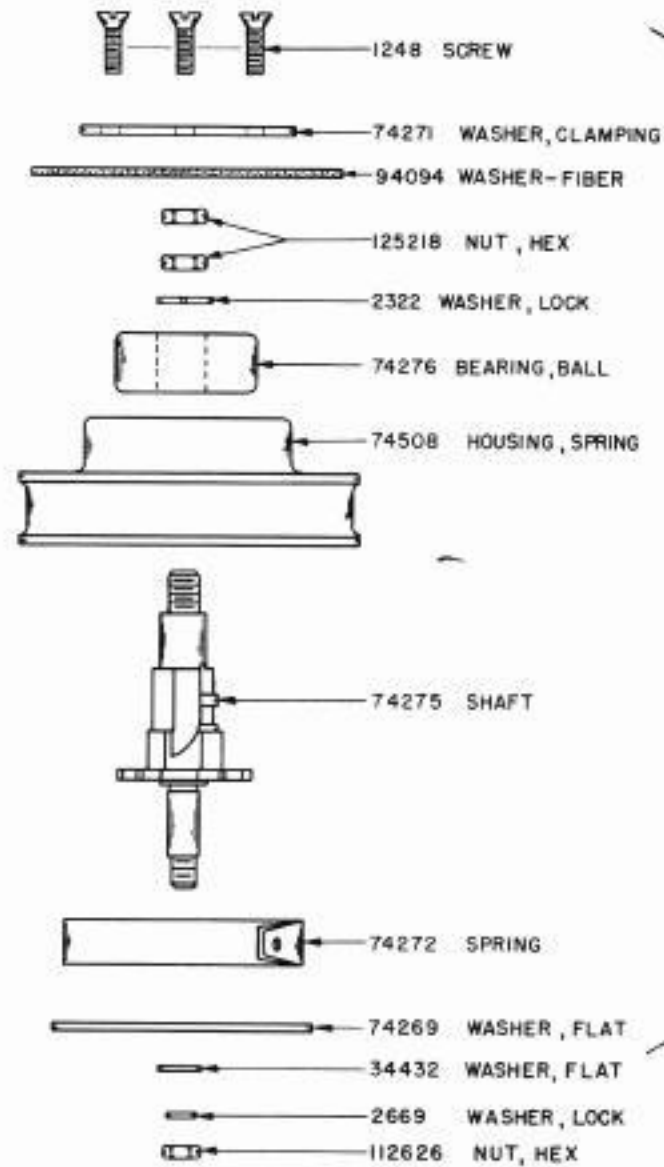
REAR CROSS BAR PARTS



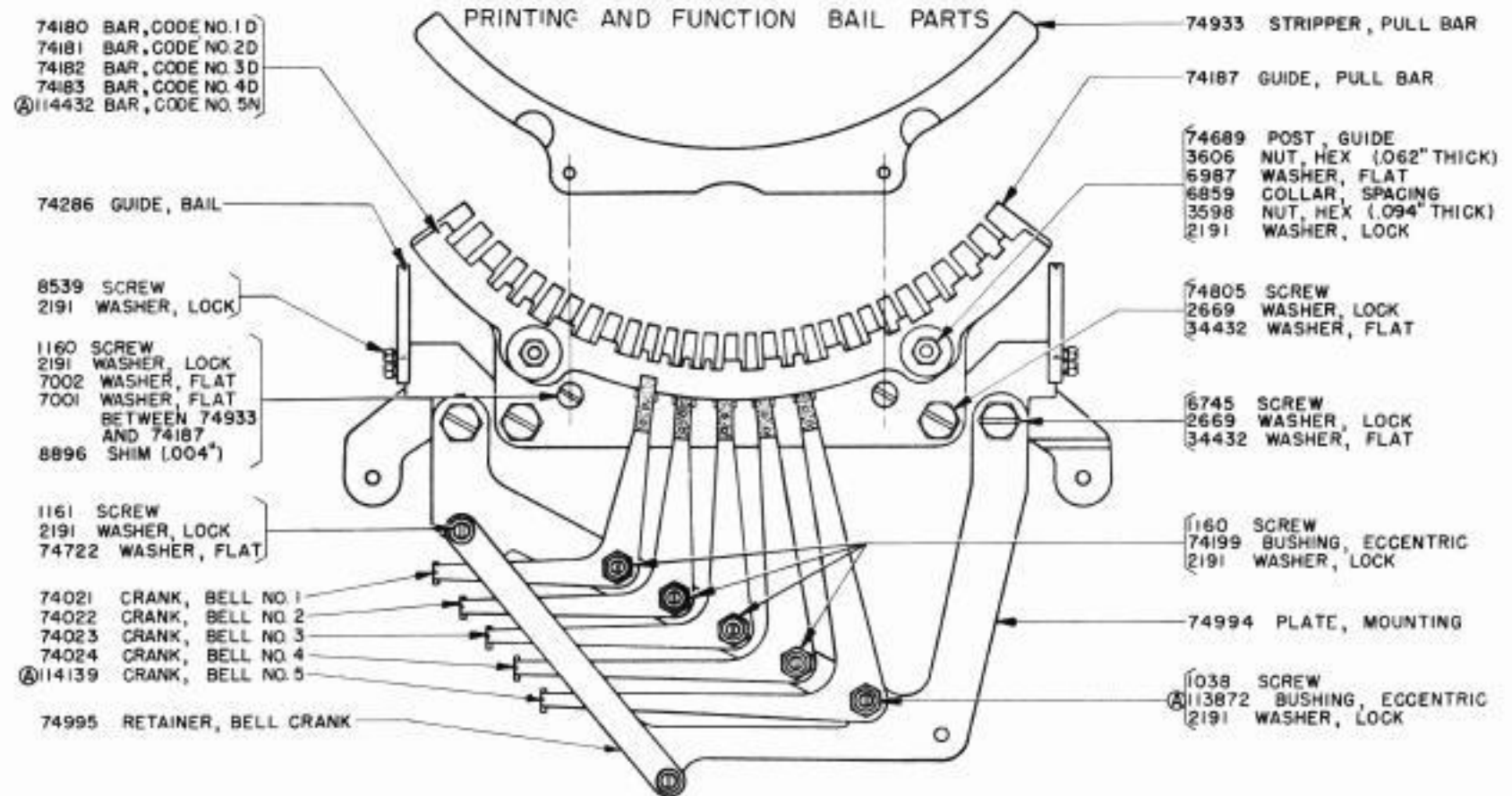
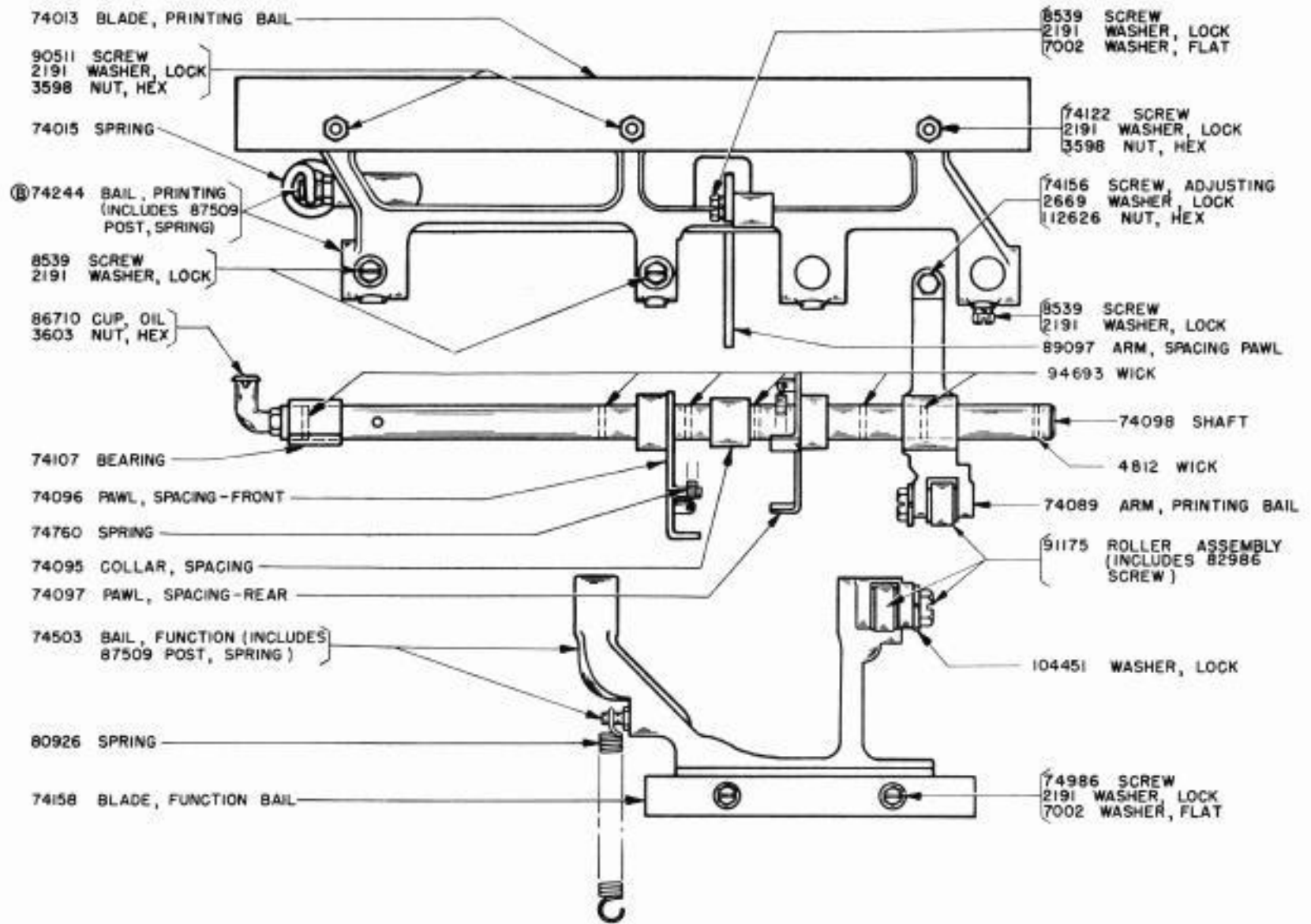
SPACING CROSS BAR PARTS



SPACING SHAFT PARTS

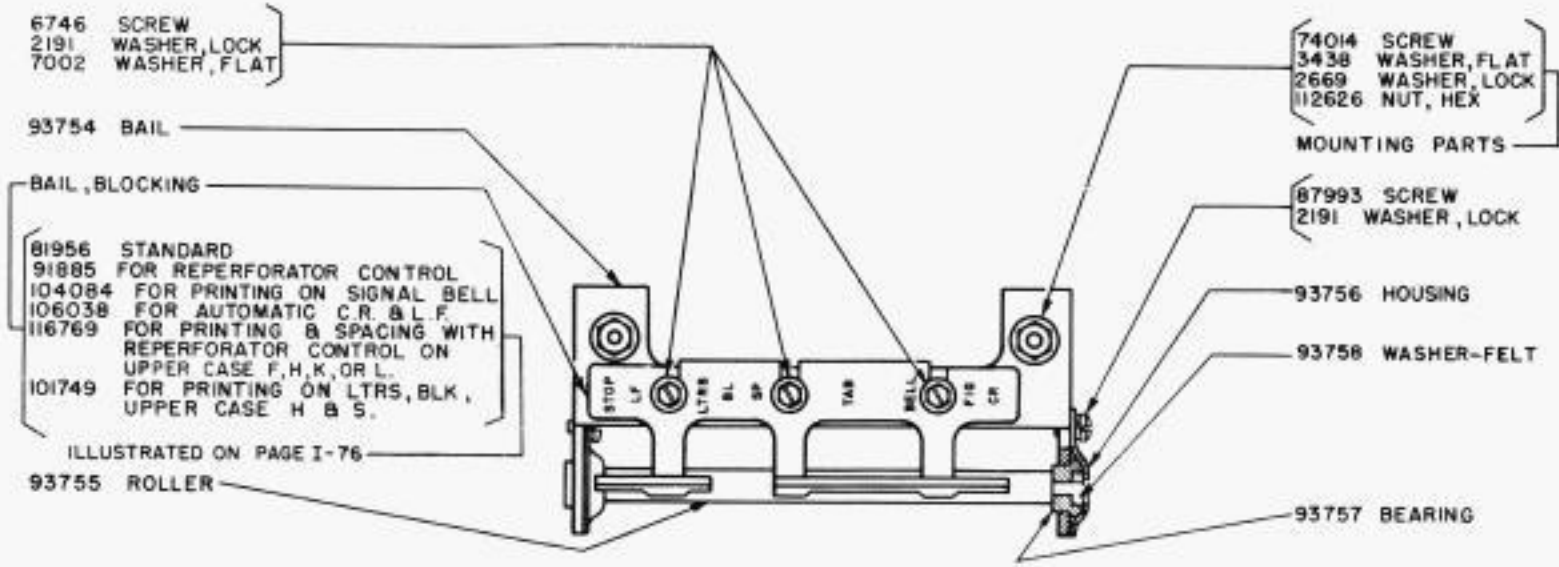


74300 SPRING DRUM ASSEMBLY

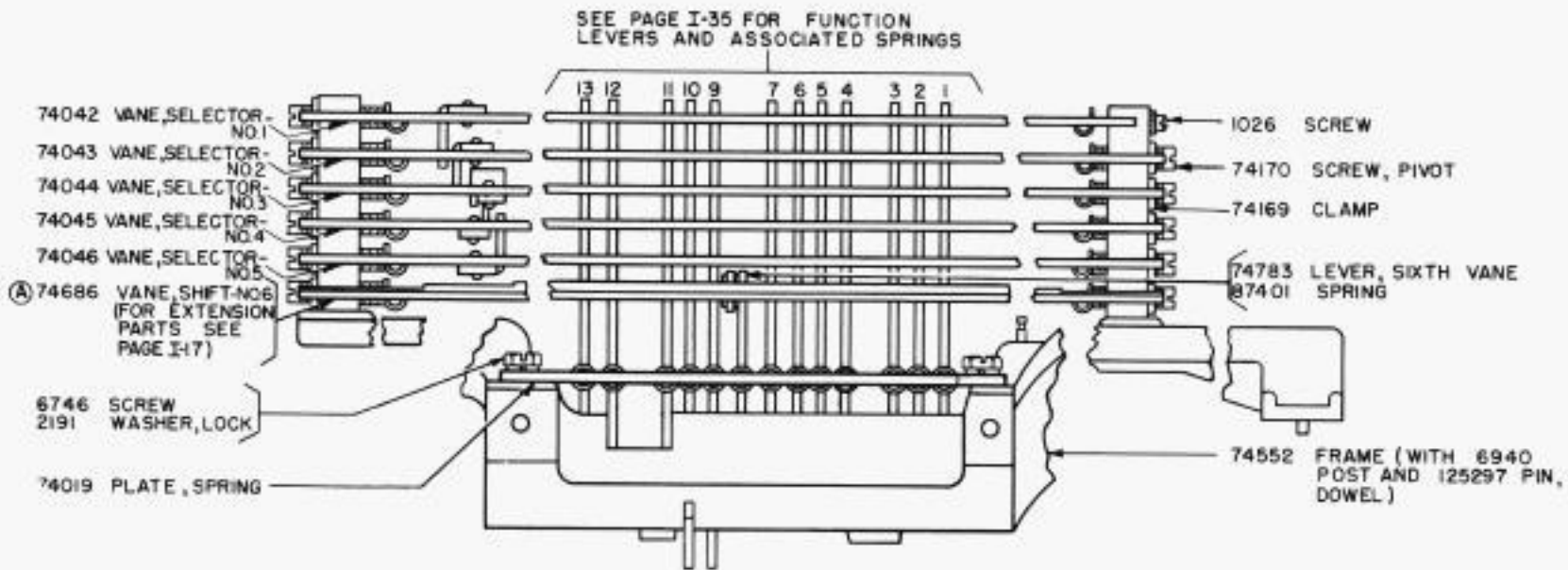


Ⓐ & ⓑ SEE SEC. IV FOR EXPLANATION

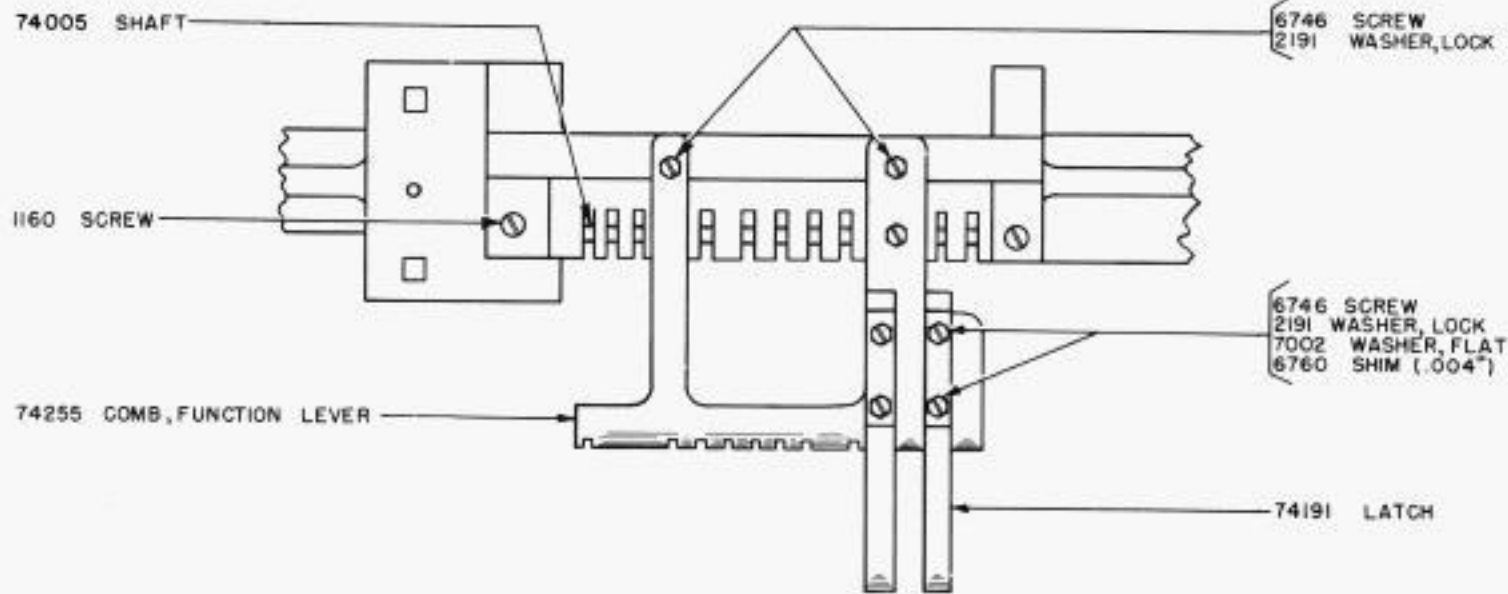
CODE BAR AND BELL CRANK PARTS



93839 FUNCTION LEVER BAIL ASSEMBLY - LESS MOUNTING PARTS
INCLUDES 81956 (STANDARD) BLOCKING BAIL



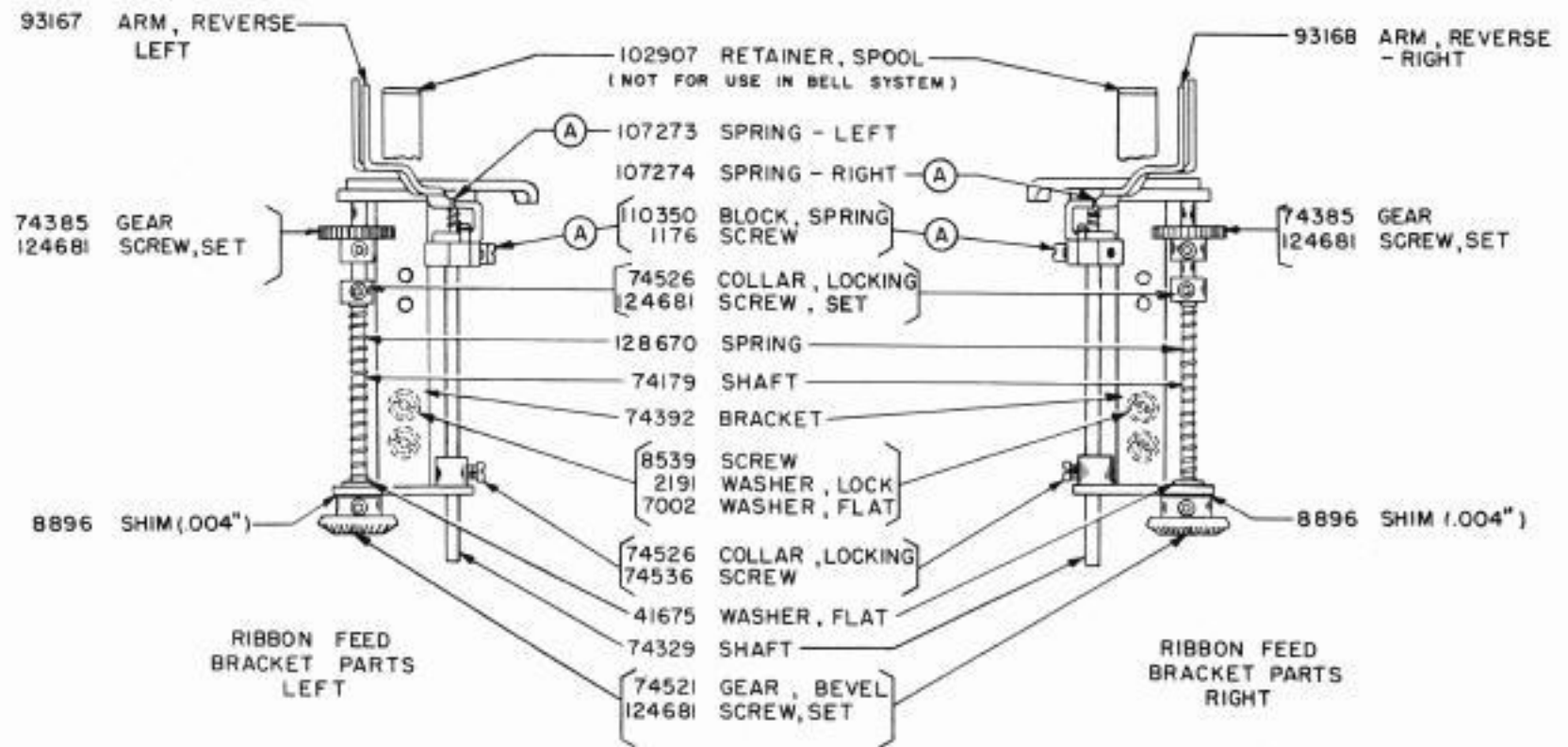
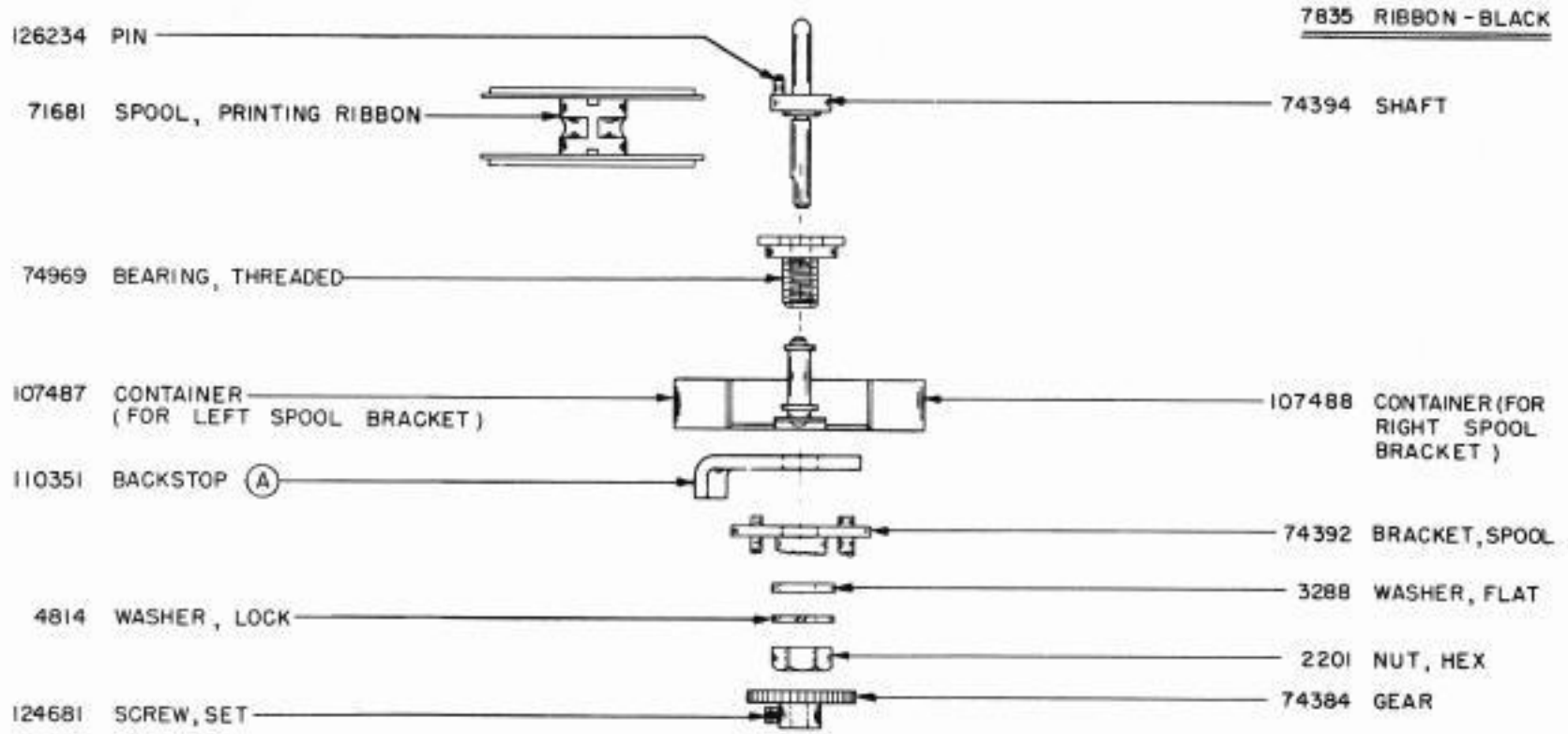
FRONT VIEW



BOTTOM VIEW

VANE FRAME

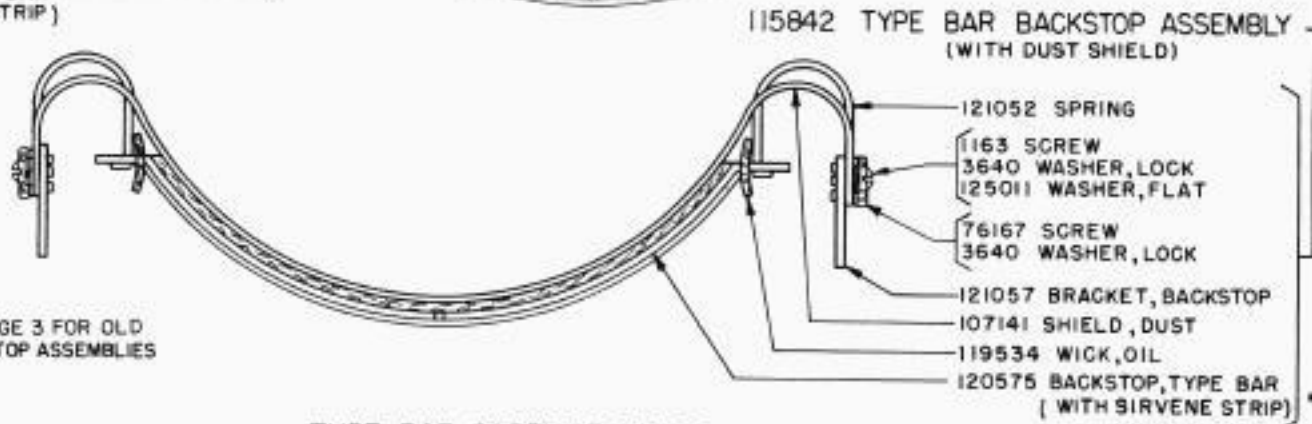
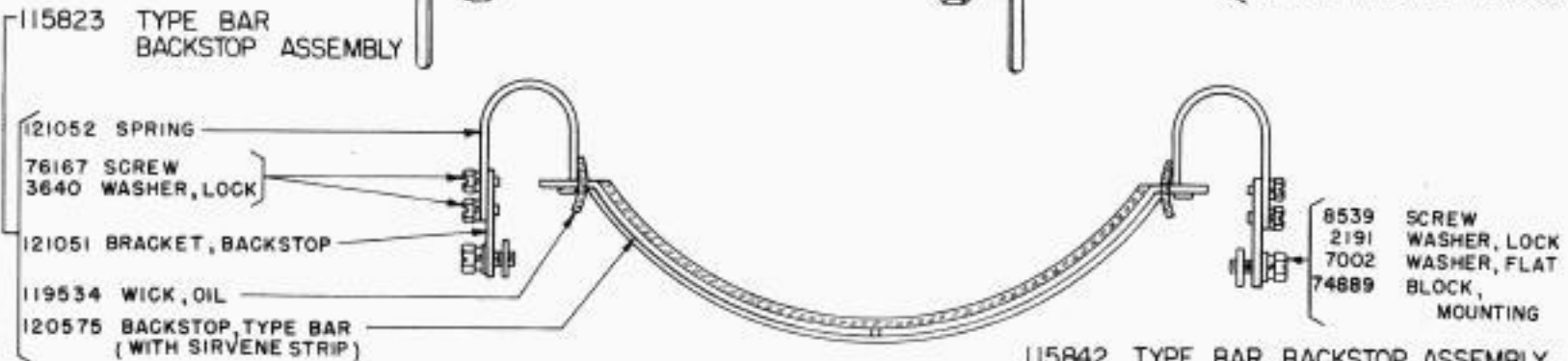
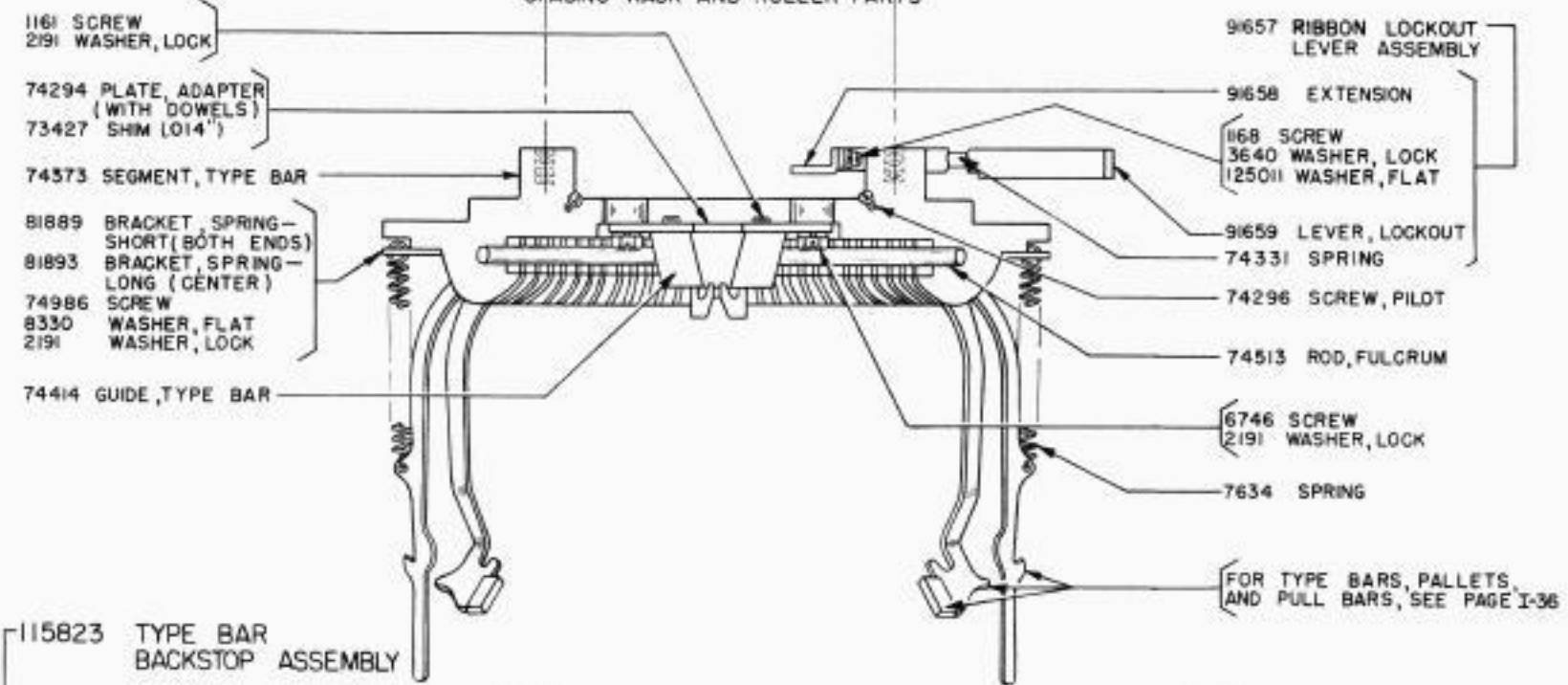
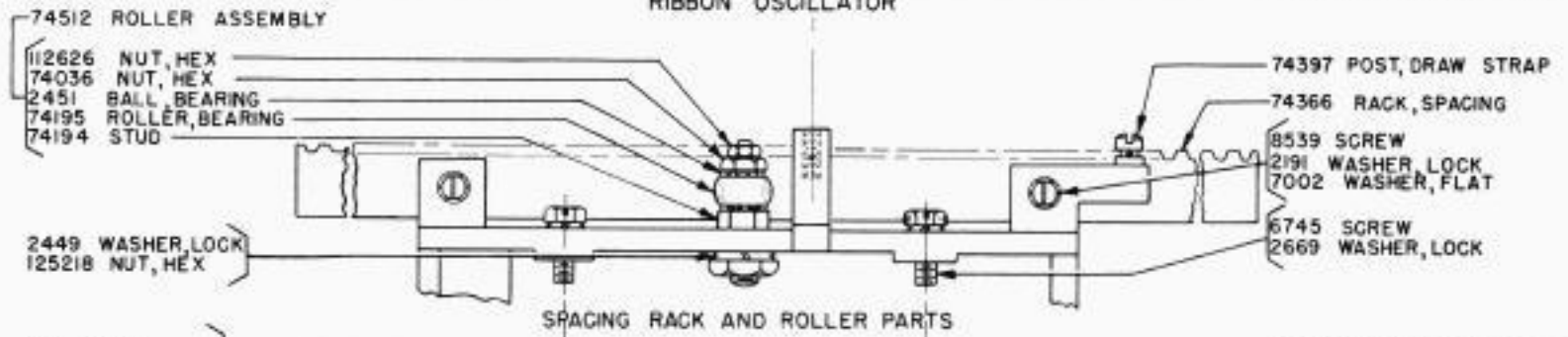
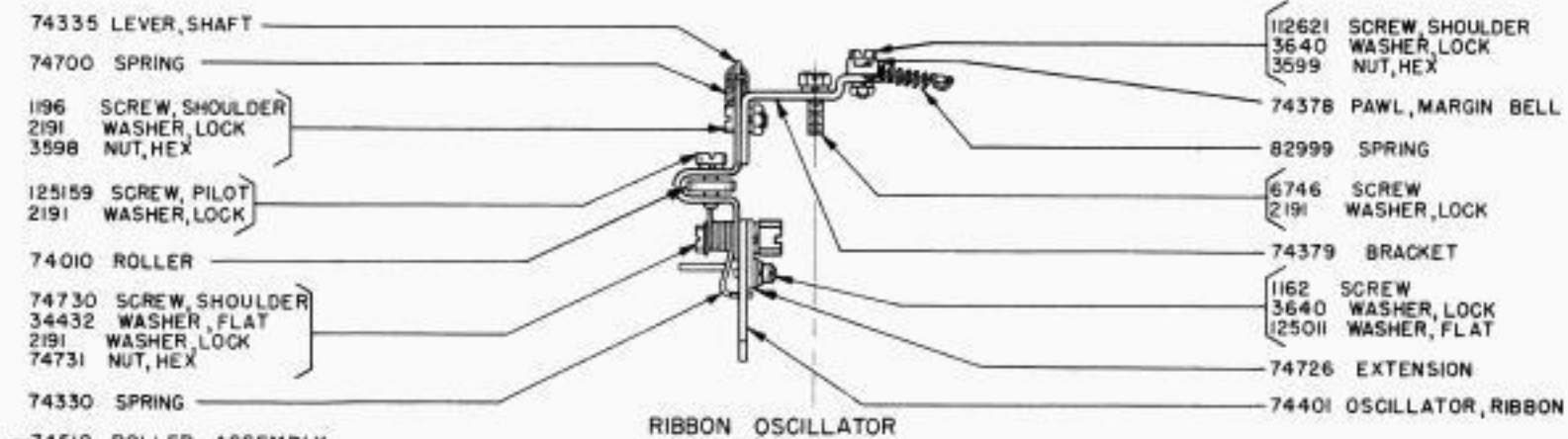
(A) SEE PAGE I-17 FOR EXPLANATION



PARTS MARKED (A) COMPRISE THE 110352 SET OF RIBBON REVERSE ARM, YIELD SPRING AND BACKSTOP PARTS.

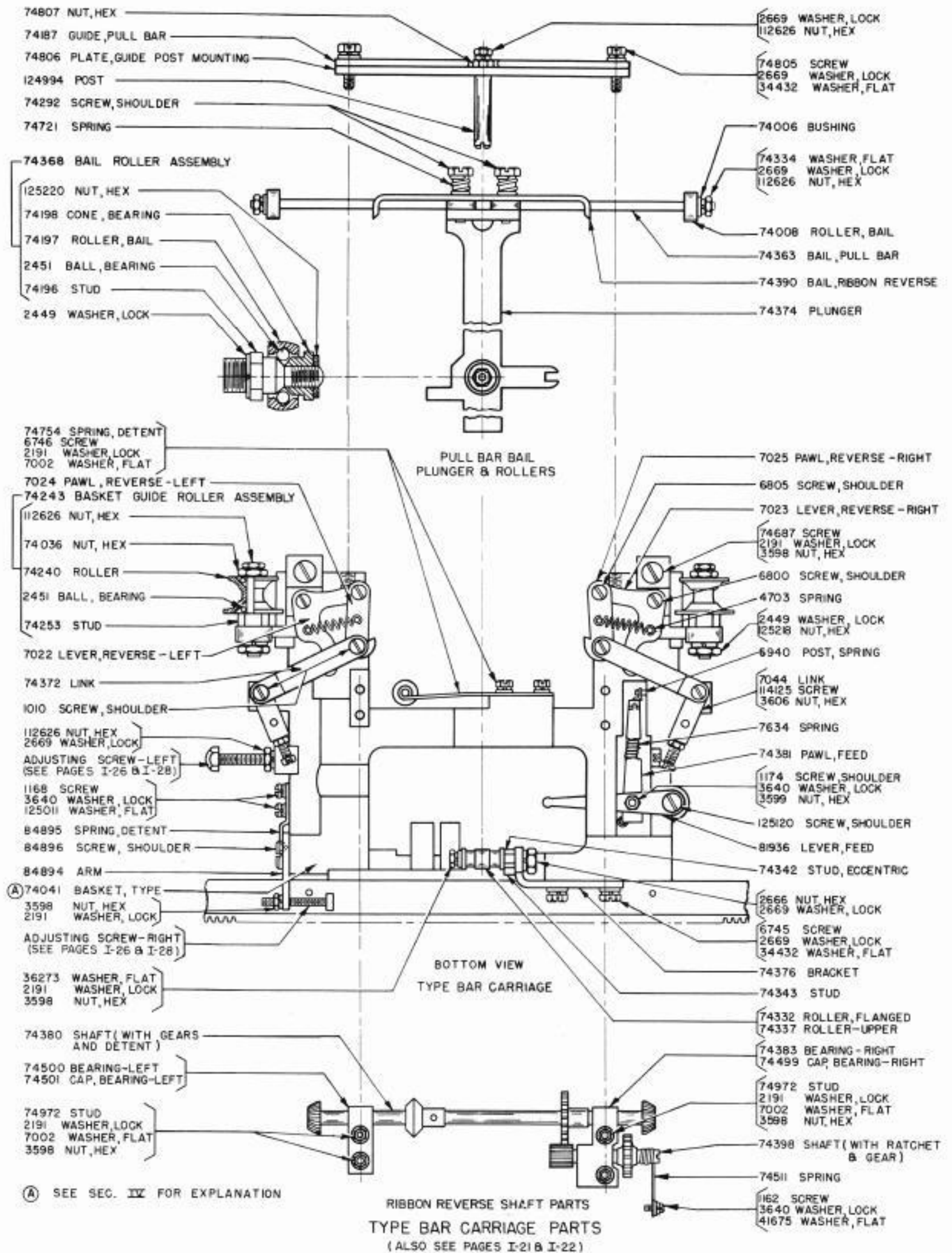
TYPE BAR CARRIAGE PARTS
(ALSO SEE PAGES I-22 & I-23)

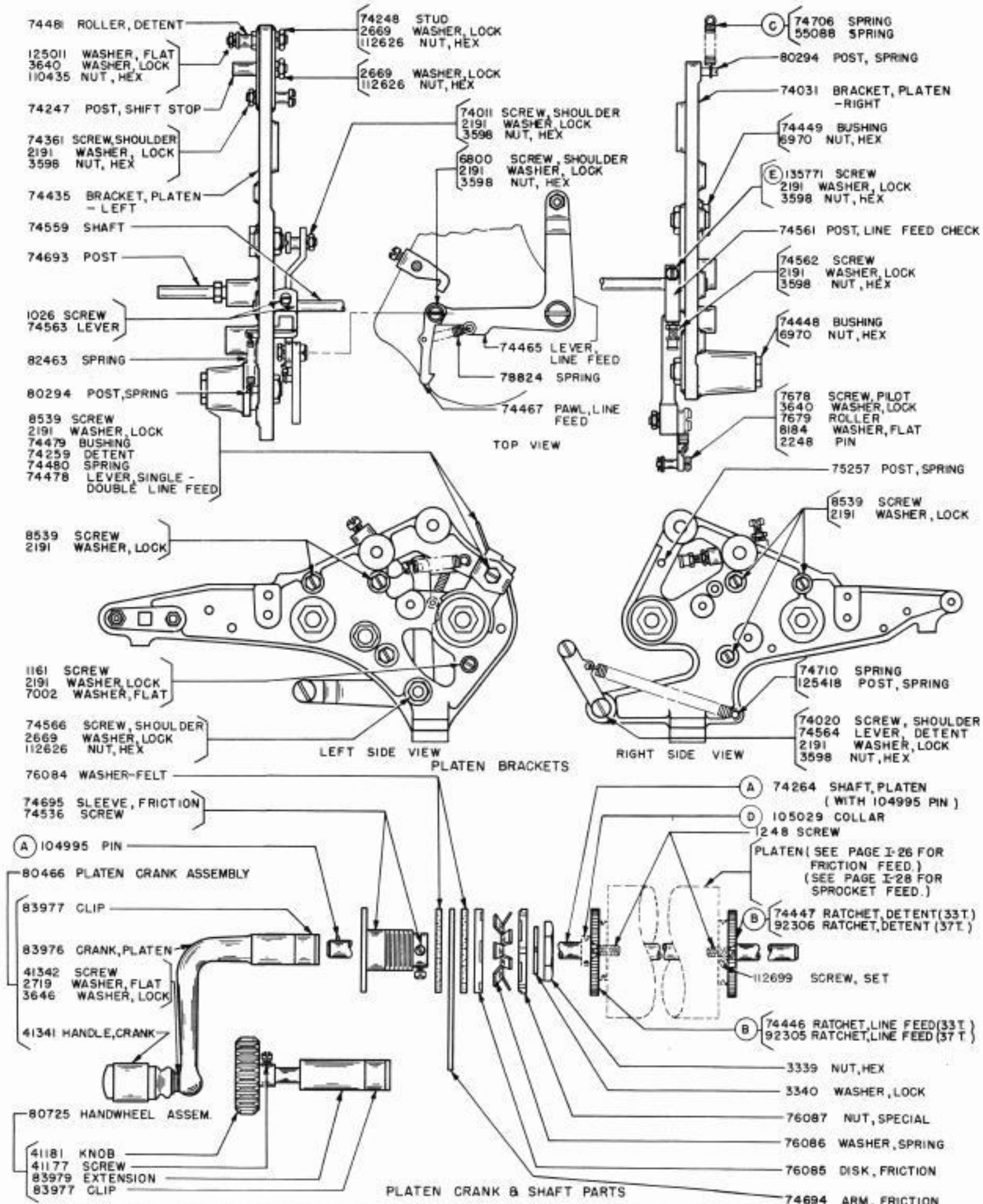
(SEE SEC. III, PAGE I FOR OLD STYLE)



NOTE: SEE SEC III, PAGE 3 FOR OLD STYLE BACKSTOP ASSEMBLIES

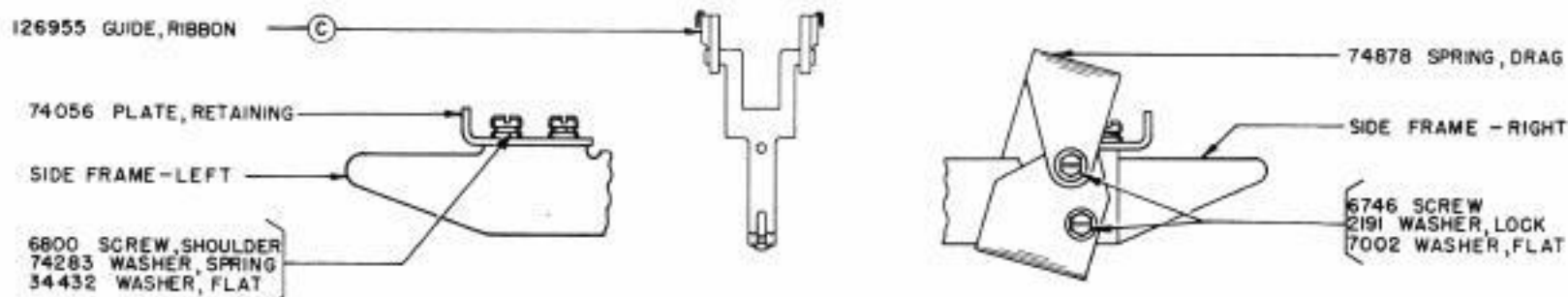
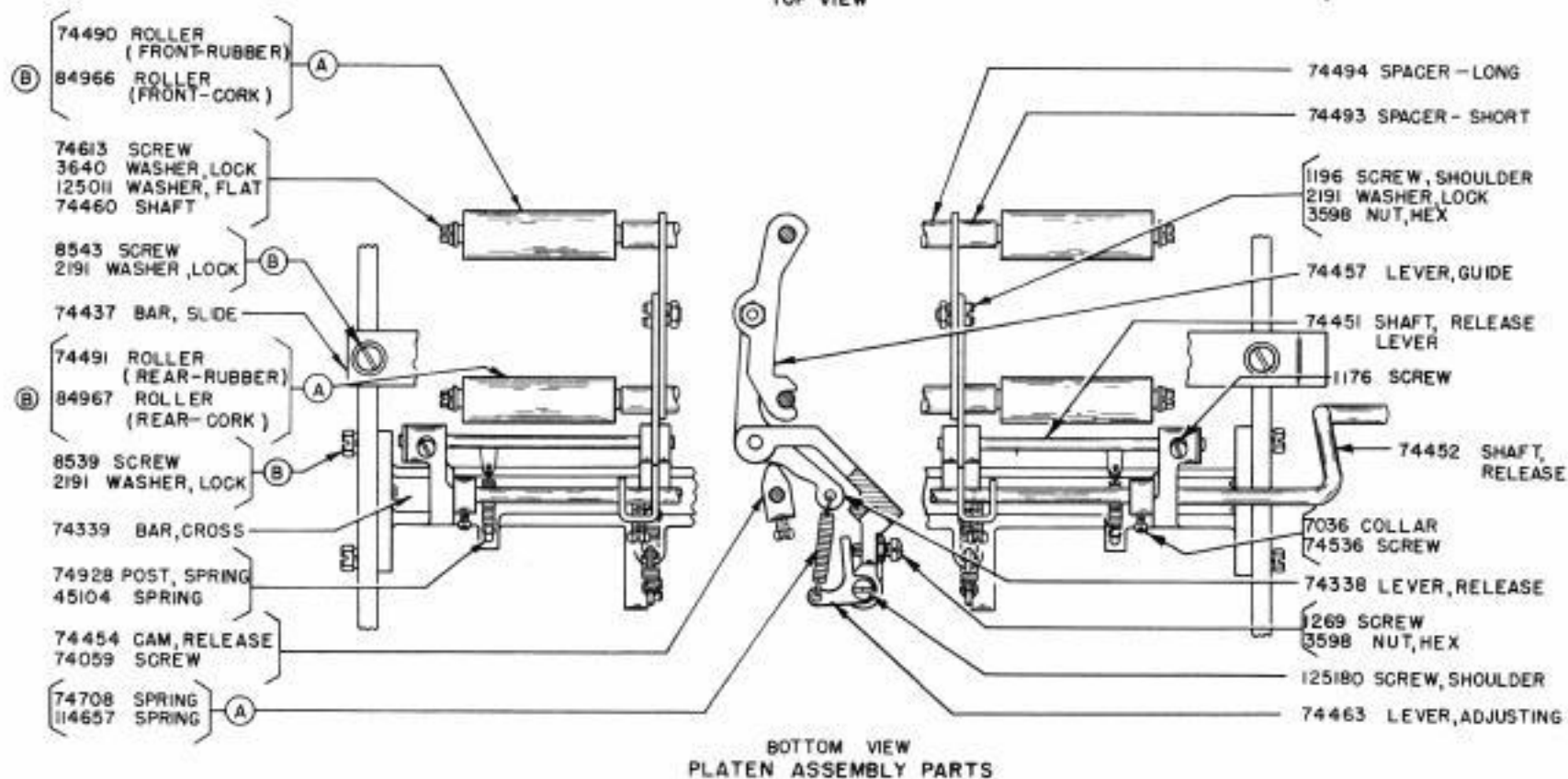
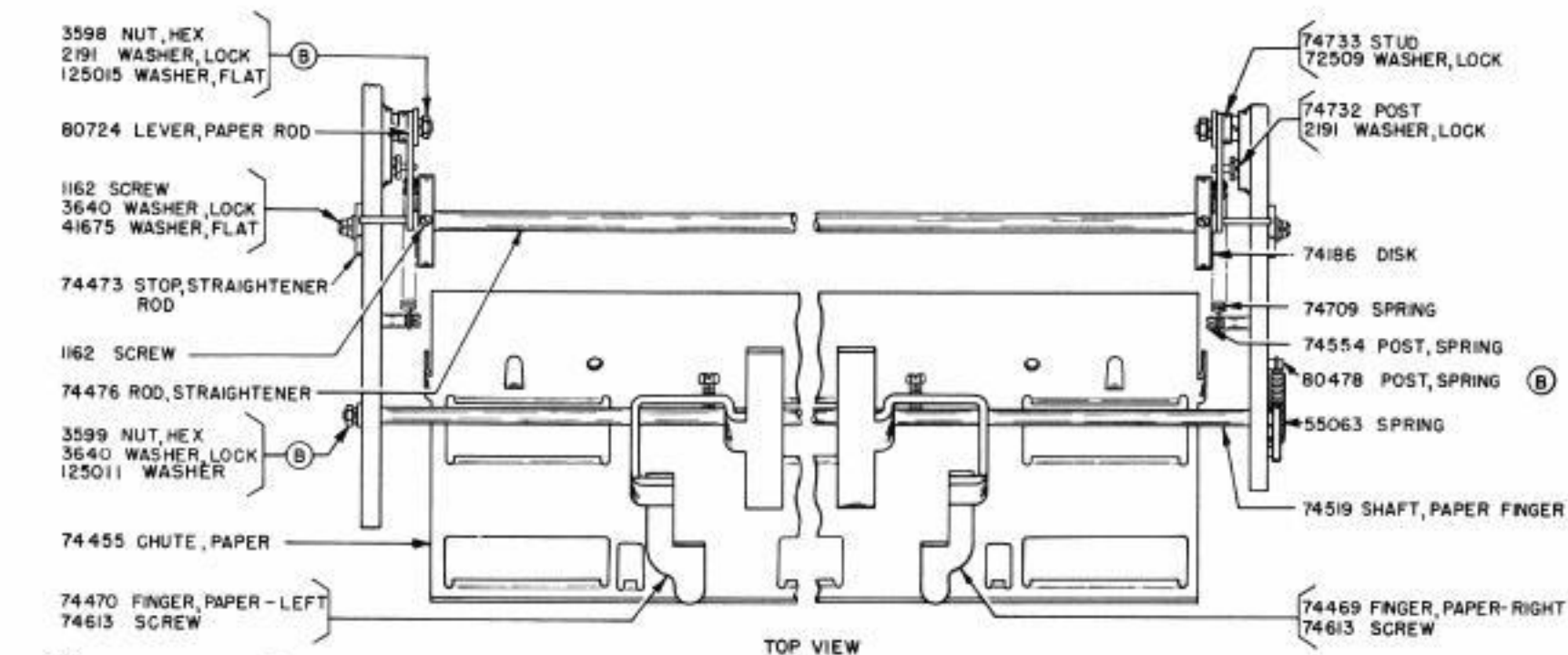
TYPE BAR CARRIAGE PARTS
(ALSO SEE PAGES I-21 & I-23)





ALL PARTS ON THIS PAGE ARE FOR USE WITH EITHER FRICTION OR SPROCKET FEED PRINTERS
 (FOR PARTS USED ONLY WITH FRICTION FEED, SEE PAGES I-25 & I-26)
 (FOR PARTS USED ONLY WITH SPROCKET FEED, SEE PAGES I-27 & I-28)

(A) (B) (C) (D) (E) SEE SEC. IV FOR EXPLANATION



84913 SET OF PARTS FOR CONVERTING SPROCKET FEED PRINTERS TO FRICTION FEED
(EXCLUDES PARTS MARKED Ⓑ)

ALL PARTS ON THIS PAGE AND PAGE I-26 ARE FOR USE WITH FRICTION FEED PRINTERS

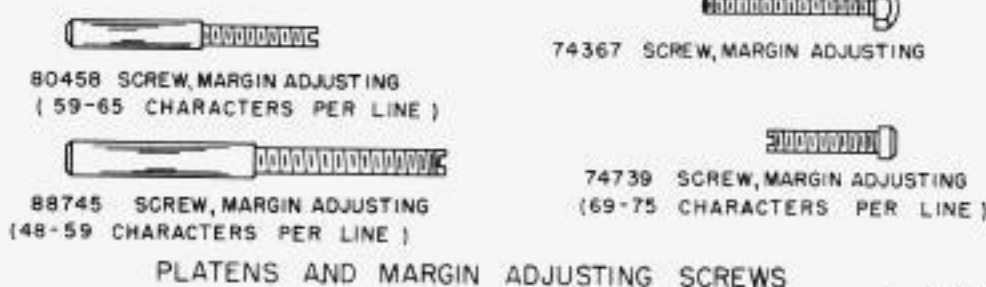
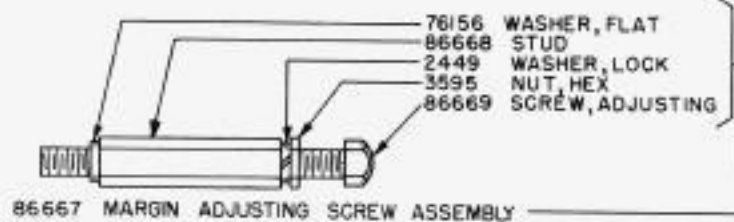
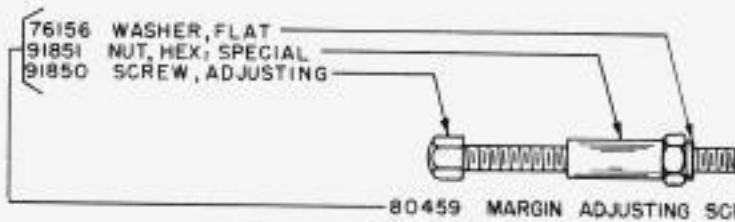
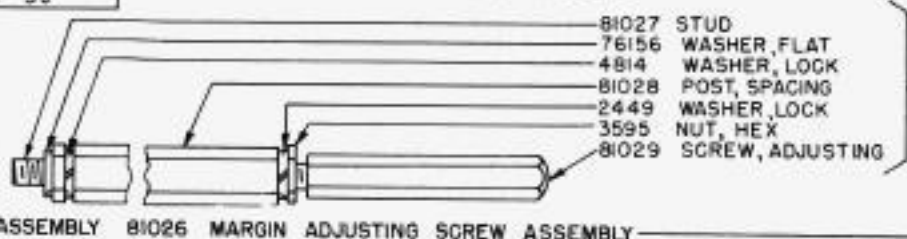
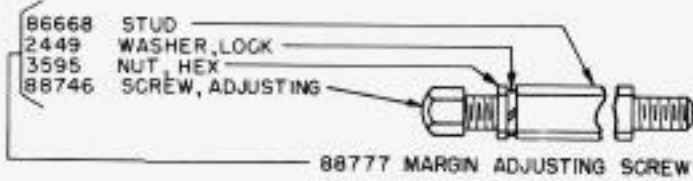
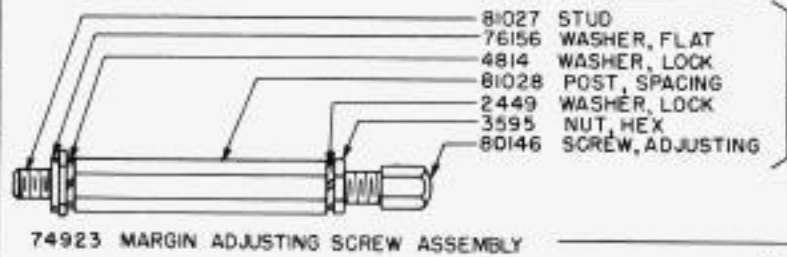
(FOR PARTS USED ONLY WITH SPROCKET FEED, SEE PAGES I-27 & I-28)
(FOR PARTS USED WITH EITHER FRICTION OR SPROCKET FEED, SEE PAGE I-24)

Ⓐ Ⓑ Ⓒ SEE SEC. IV FOR EXPLANATION

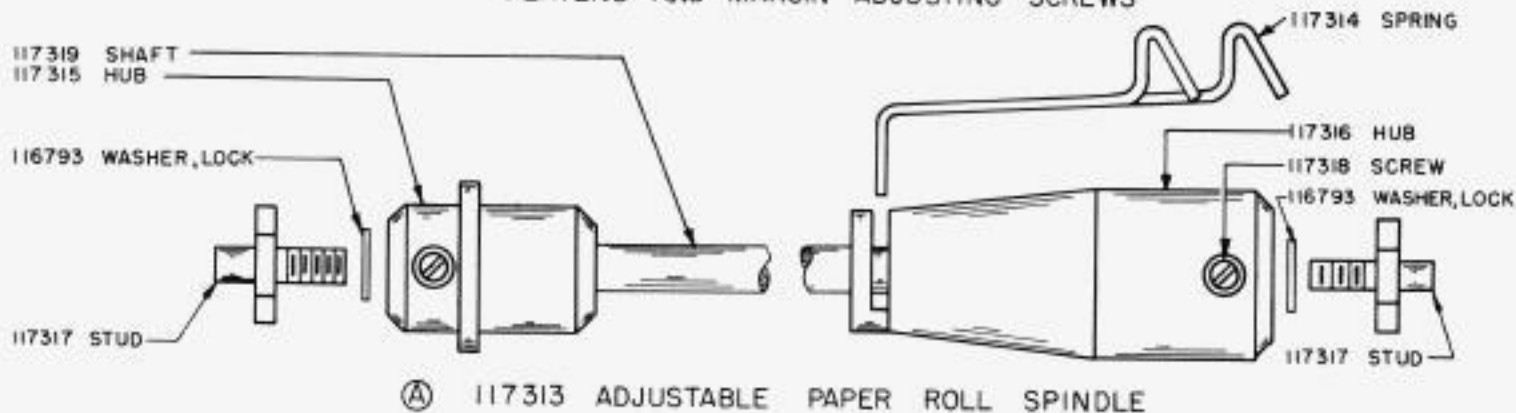


FRICTION FEED PLATENS				
WIDTH OF PAPER	PAPER LOCATED AT RIGHT HAND SIDE OF PLATEN			
	LEFT HAND MARGIN ADJ. SCREW	RIGHT HAND MARGIN ADJ. SCREW	PAPER ROLL SPINDLE	PLATEN RC-RUBBER COVERED HR-HARD RUBBER SJ-STEEL JACKETED
8 1/2	74367	74739	117313	74438 - RC 74820 - HR 82253 - SJ
8	80459	74739	117313	74438 - RC 74820 - HR 82253 - SJ
7	80459	74739	117313	74438 - RC 74820 - HR 82253 - SJ
6 1/2	86667	74739	117313	74438 - RC 74820 - HR 82253 - SJ
6	74923	74739	117313	74438 - RC 74820 - HR 82253 - SJ
5 1/2	74923	74739	117313	74438 - RC 74820 - HR 82253 - SJ
5	74923	74739	117313	74438 - RC 74820 - HR 82253 - SJ
4 5/16	81026	74739	117313	74438 - RC 74820 - HR 82253 - SJ

FRICTION FEED PLATENS				
WIDTH OF PAPER	PAPER CENTRALLY LOCATED			
	LEFT HAND MARGIN ADJ. SCREW	RIGHT HAND MARGIN ADJ. SCREW	PAPER ROLL SPINDLE	PLATEN RC-RUBBER COVERED HR-HARD RUBBER SJ-STEEL JACKETED
8 1/2	74367	74739	117313	74438 - RC 74820 - HR 82253 - SJ
6 1/2	80459	80458	117313	74438 - RC 74820 - HR 82253 - SJ
5 1/2	88777	88745	117313	74438 - RC 74820 - HR 82253 - SJ
5	88777	88745	117313	74438 - RC 74820 - HR 82253 - SJ

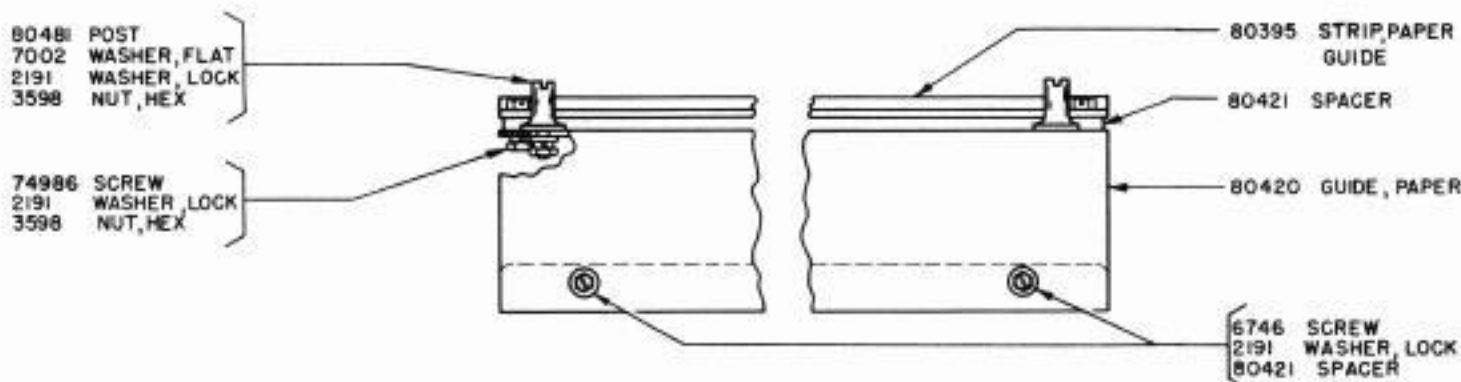


PLATENS AND MARGIN ADJUSTING SCREWS

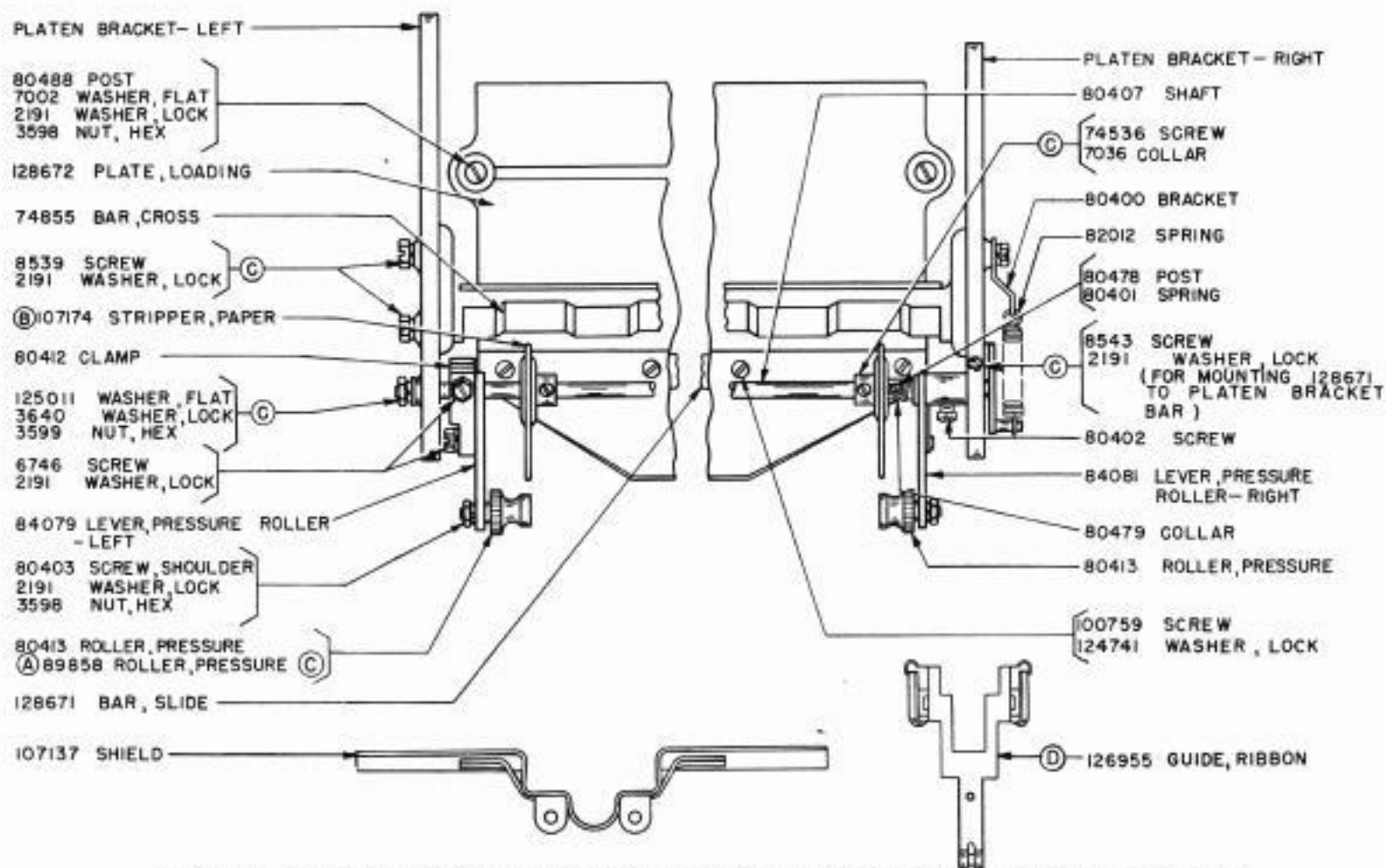
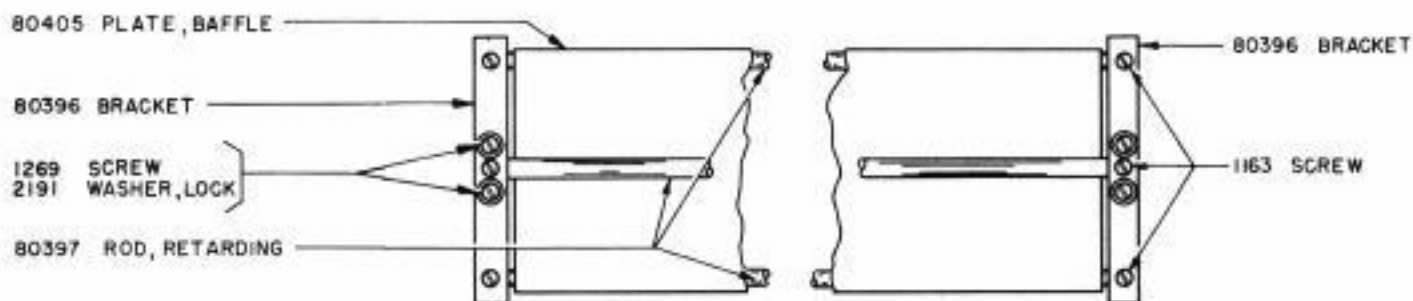


ALL PARTS ON THIS PAGE AND PAGE I-25 ARE FOR USE WITH FRICTION FEED PRINTERS
 (FOR PARTS USED WITH SPROCKET FEED, SEE PAGES I-27 & I-28)
 (FOR PARTS USED WITH EITHER FRICTION OR SPROCKET FEED, SEE PAGE I-24)

① SEE SEC. IV FOR EXPLANATION



87154 SET OF PARTS TO PROVIDE A PAPER GUIDE ON THE COVER



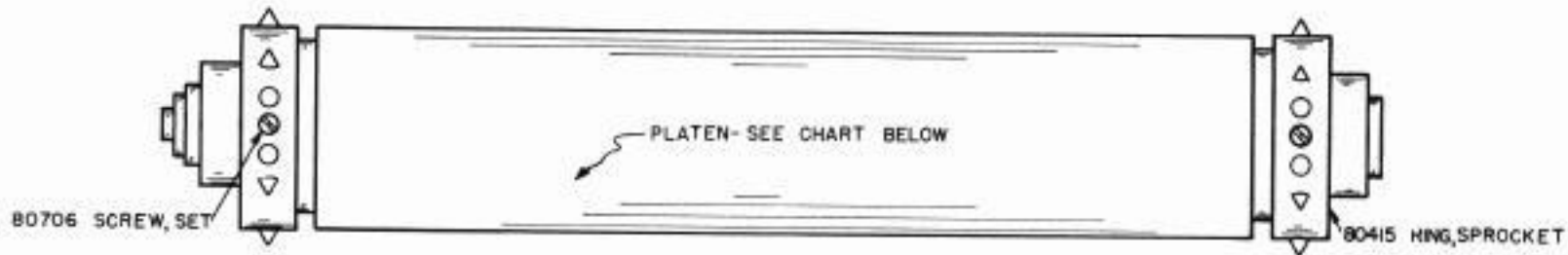
115872 SET OF PARTS TO CONVERT A FRICTION FEED TYPING UNIT INTO A SPROCKET FEED TYPING UNIT (EXCLUDES PARTS MARKED ©)

80483 SET OF PARTS FOR CONVERTING FRICTION FEED PRINTERS TO SPROCKET FEED (INCLUDES 87154 AND 115872 SET OF PARTS SHOWN ABOVE (EXCLUDES PARTS MARKED ©))

ALL PARTS ON THIS PAGE AND PAGE I-28 ARE FOR USE WITH SPROCKET FEED PRINTERS

(FOR PARTS USED ONLY WITH FRICTION FEED, SEE PAGES I-25 & I-26)
 (FOR PARTS USED WITH EITHER FRICTION OR SPROCKET FEED, SEE PAGE I-24)

(A), (B) & (D) SEE SEC. IV FOR EXPLANATION



SPROCKET FEED PLATENS

* WIDTH OF PAPER	PAPER LOCATED AT RIGHT HAND SIDE OF PLATEN			
	LEFT HAND MARGIN ADJ. SCREW	RIGHT HAND MARGIN ADJ. SCREW	PLATEN HR - HARD RUBBER RC - RUBBER COVERED SJ - STEEL JACKETED	PLATEN WITH RINGS, SET SCREWS, AND LEFT HAND MARGIN ADJ. SCREW (SEE NOTES 1 AND 2)
8 1/2"	74367	74739	80422 (RC) 80765 (SJ) 135000 (HR)	80722 (RC) 80766 (SJ) 135001 (HR)
8"	80459	74739	80217 (RC) 89971 (SJ)	80723 (RC) 89972 (SJ)
7 1/2"	80459	74739	118265 (RC)	118267 (RC)
7"	80459	74739	82174 (RC)	82175 (RC)
6 1/2"	86667	74739	84902 (RC) 91509 (SJ)	89540 (RC) 91512 (SJ)
6 3/8"	86667	74739	92796 (RC)	92798 (RC)
6 1/4"	86667	74739	92819 (SJ)	** 92821 (SJ)
6 1/4"	86667	74739	99458 (RC)	99440 (RC)
6 1/4"	74923	74739	102369 (SJ)	102372 (SJ)
6"	74923	74739	80216 (RC) 81802 (SJ)	80598 (RC) 81801 (SJ)
5 3/4"	74923	74739	82172 (RC) 92795 (SJ)	82173 (RC) 92793 (SJ)
5 1/2"	74923	74739	80248 (RC) 81806 (SJ)	80599 (RC) 81805 (SJ)
5"	74923	74739	80451 (RC)	80600 (RC)
4 1/2"	81026	74739	92304 (RC) 92300 (SJ)	92308 (RC) 92303 (SJ)
4 5/16"	81026	74739	80249 (RC)	80601 (RC)
4 1/4"	81026	74739	91136 (RC)	91135 (RC)
4"	81026	74739	81025 (RC) 91868 (SJ)	81024 (RC) 91871 (SJ)
3 5/8"	81026	74739	88832 (RC)	88833 (RC)

NOTE 1

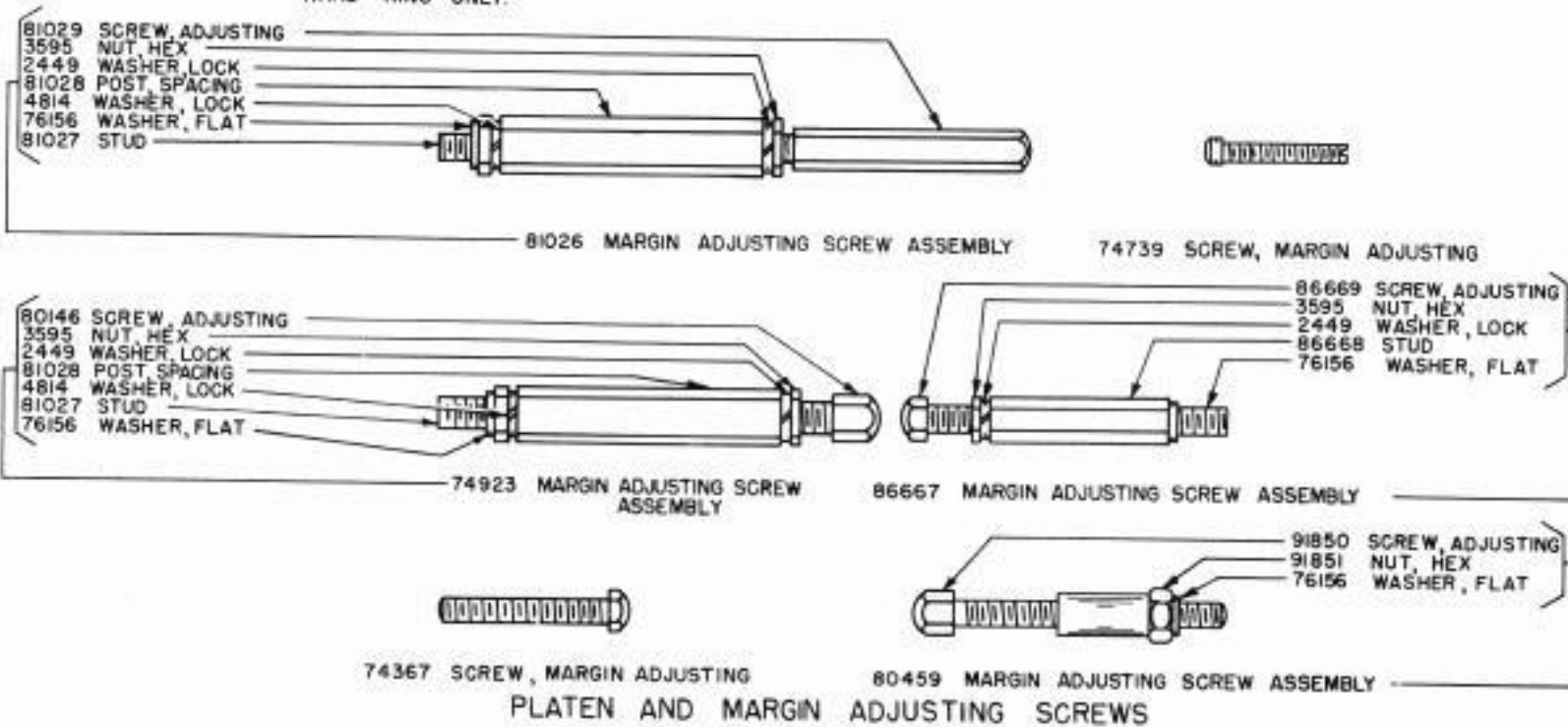
NO MARGIN ADJUSTING SCREW WITH 8-1/2" PLATENS

NOTE 2

WHEN CONVERTING FROM FRICTION FEED (NARROW PAPER, CENTRALLY LOCATED) TO SPROCKET FEED, THE RIGHT HAND MARGIN SCREW MUST ALSO BE CHANGED.

* THE WIDTH SHOWN IS THE OVERALL DIMENSION OF THE PAPER AND THE DISTANCE BETWEEN SPROCKET PIN HOLES IS 1/2" LESS.

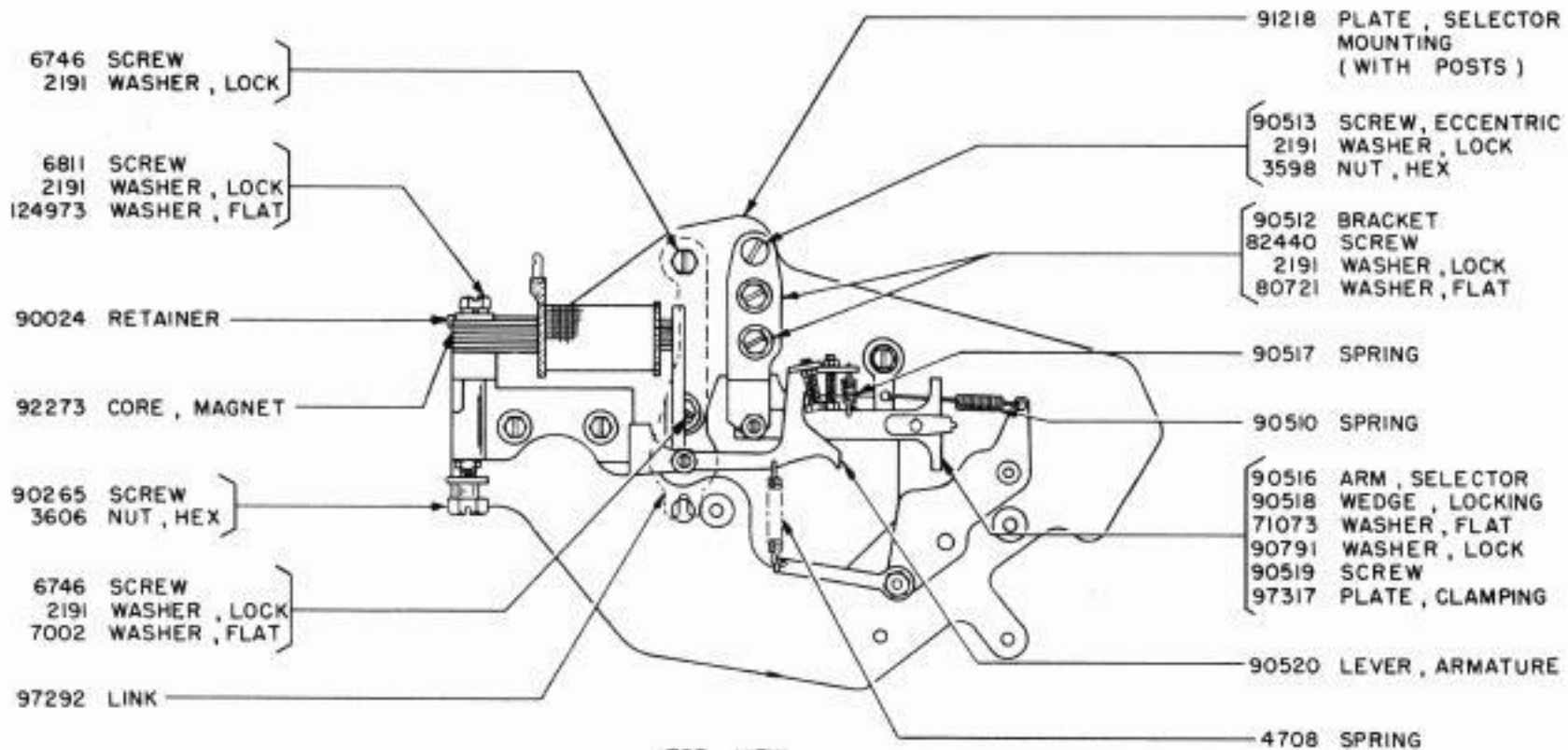
** THE 92821 PLATEN ASSEMBLY HAS SPROCKET PINS ON THE LEFT HAND RING ONLY.



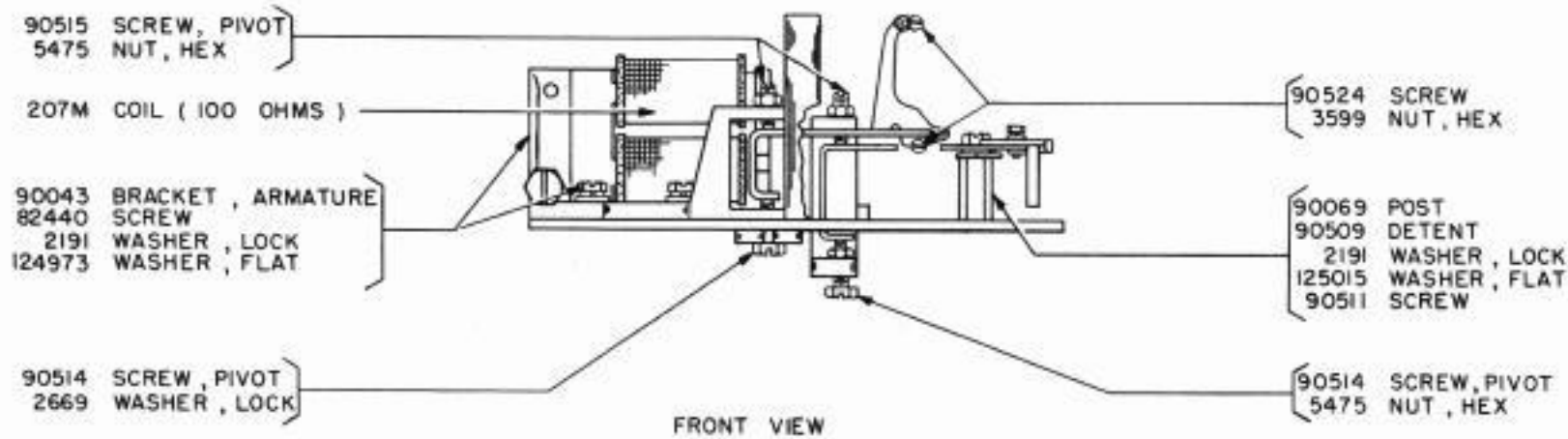
PLATEN AND MARGIN ADJUSTING SCREWS

ALL PARTS ON THIS PAGE AND PAGE I-27 ARE FOR USE WITH SPROCKET FEED PRINTERS

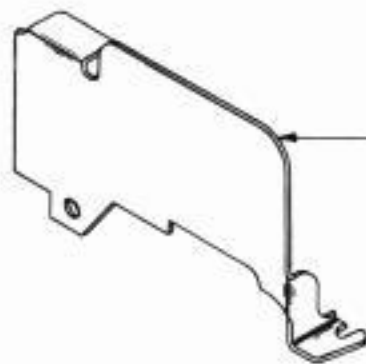
(FOR PARTS USED ONLY WITH FRICTION FEED, SEE PAGES I-25 & I-26)
(FOR PARTS USED WITH EITHER FRICTION OR SPROCKET FEED, SEE PAGE I-24)



TOP VIEW



FRONT VIEW

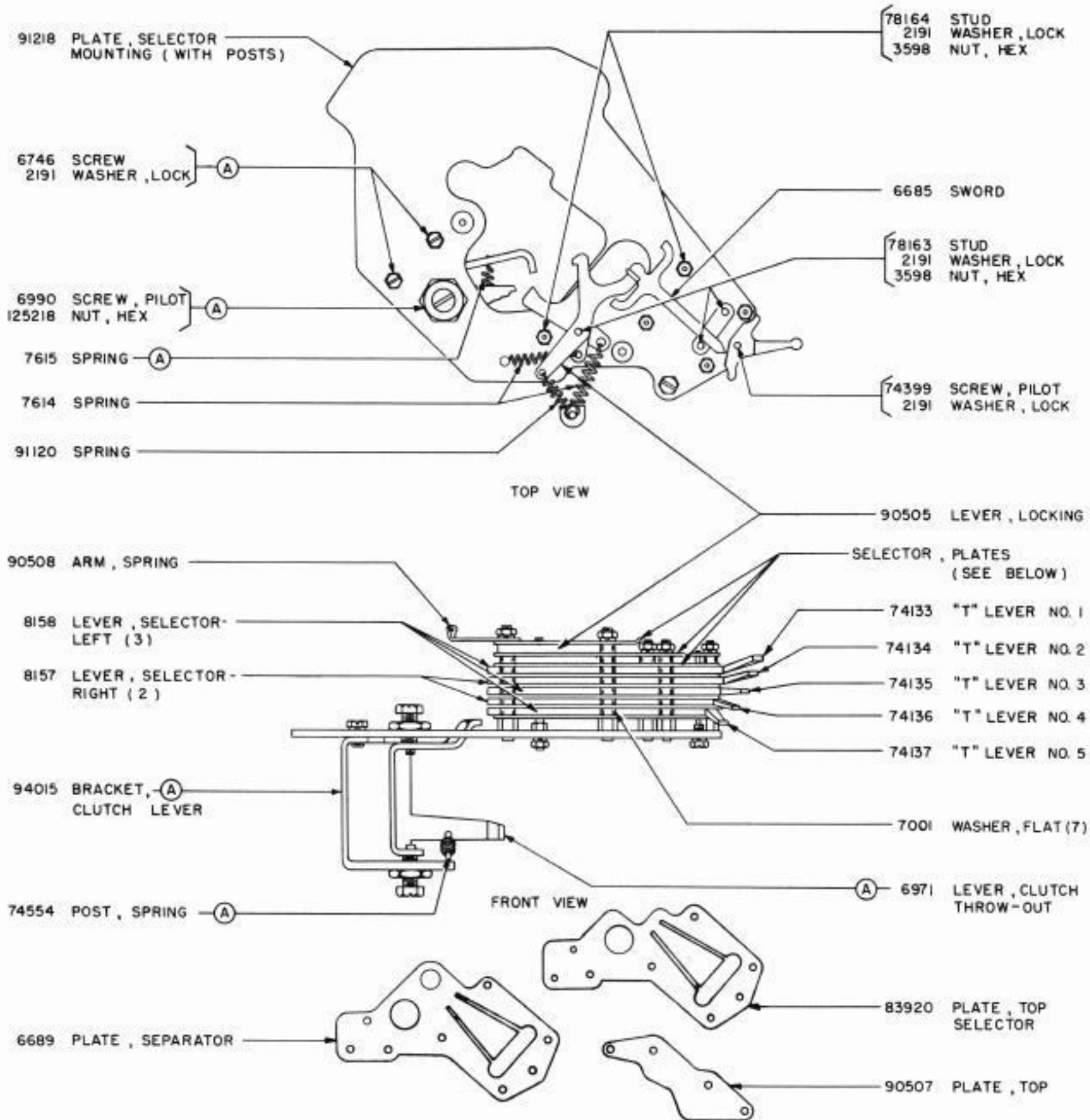


- (A) 92109 SHIELD, DUST (NOT FURNISHED WITH SELECTOR UNITS BUT MAY BE ORDERED FOR SPECIAL APPLICATIONS.)

HOLDING MAGNET SELECTOR

ALL PARTS ON THIS PAGE AND PAGES I-30 & I-31 ARE FOR USE WITH HOLDING MAGNET SELECTORS (FOR PARTS USED WITH PULLING MAGNET SELECTORS, SEE PAGES I-32 & I-33)

NOTE: 95380 SET OF PARTS CONVERTING A TYPING UNIT WITH A PULLING MAGNET SELECTOR TO A TYPING UNIT WITH A HOLDING MAGNET SELECTOR CONSISTS OF PARTS ON THIS PAGE AND PAGES I-30 & I-31 (EXCLUDING PARTS MARKED (A))

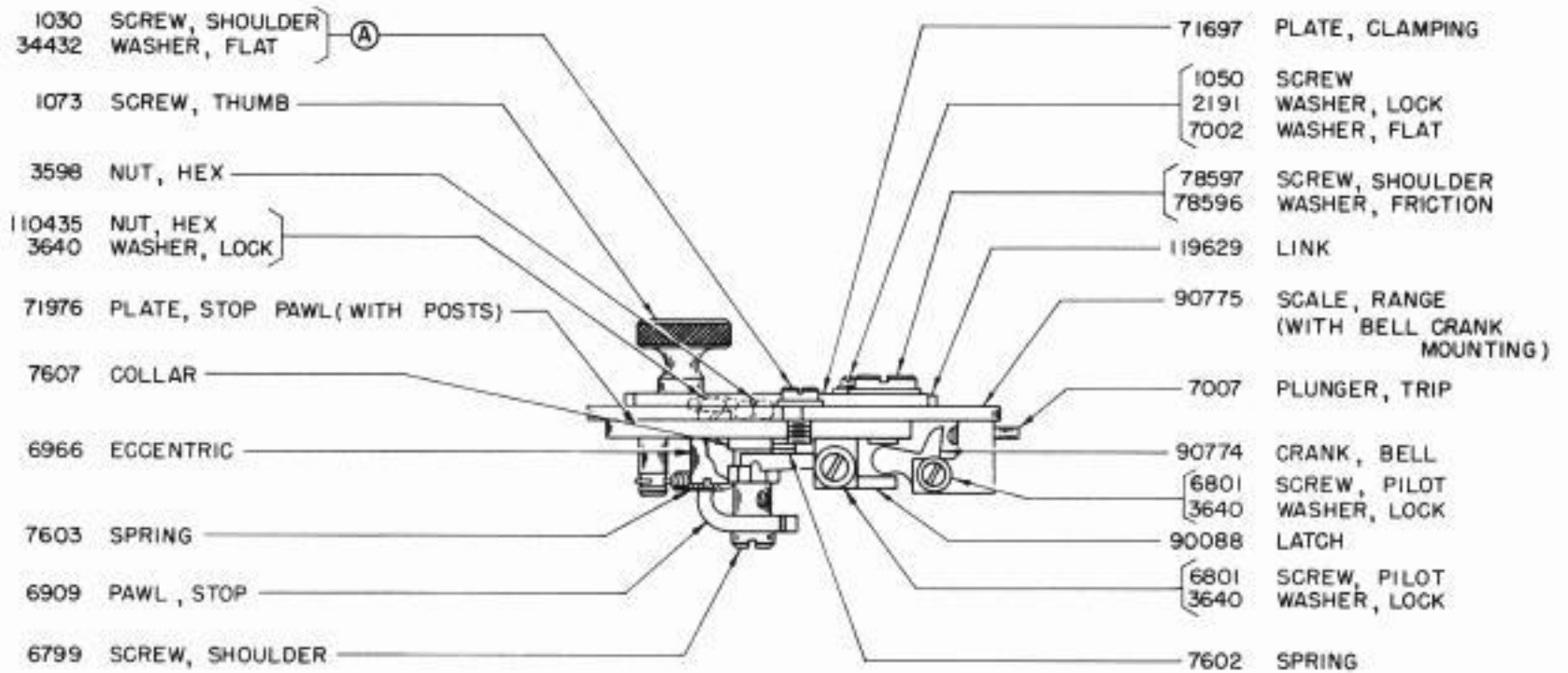


HOLDING MAGNET SELECTOR

ALL PARTS ON THIS PAGE AND PAGES I-298 I-31 ARE FOR USE WITH HOLDING MAGNET SELECTORS

(FOR PARTS USED WITH PULLING MAGNET SELECTORS, SEE PAGES I-32 & I-33)

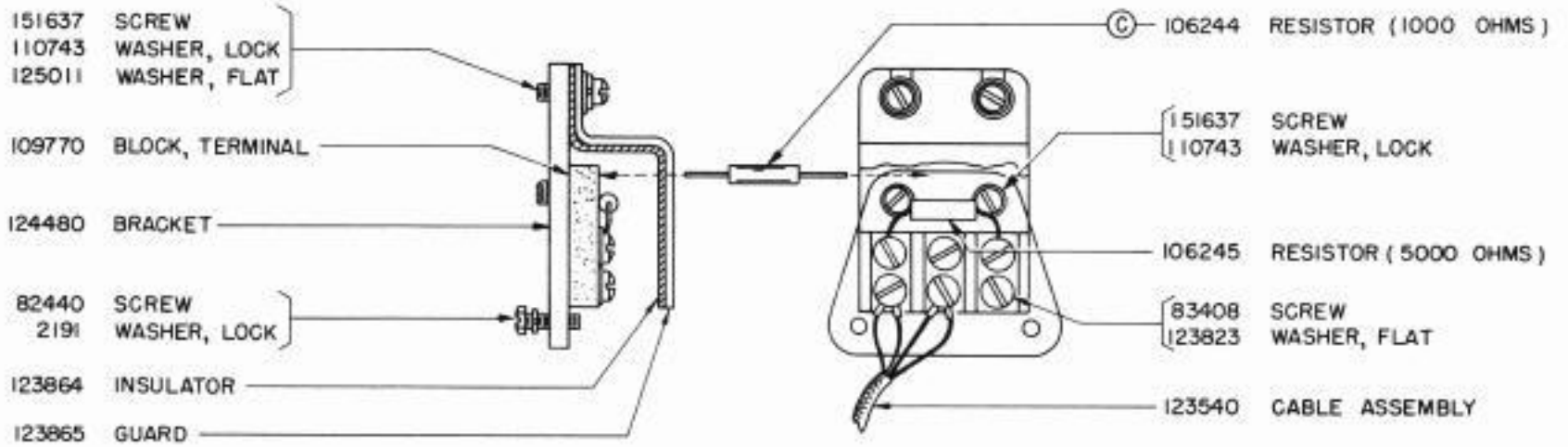
(A) SEE NOTE ON PAGE I-29



90760 RANGE SCALE ASSEMBLY
(EXCLUDES PARTS MARKED (A))



MAIN SHAFT PARTS
(FOR OTHER MAIN SHAFT PARTS SEE PAGE I-16)

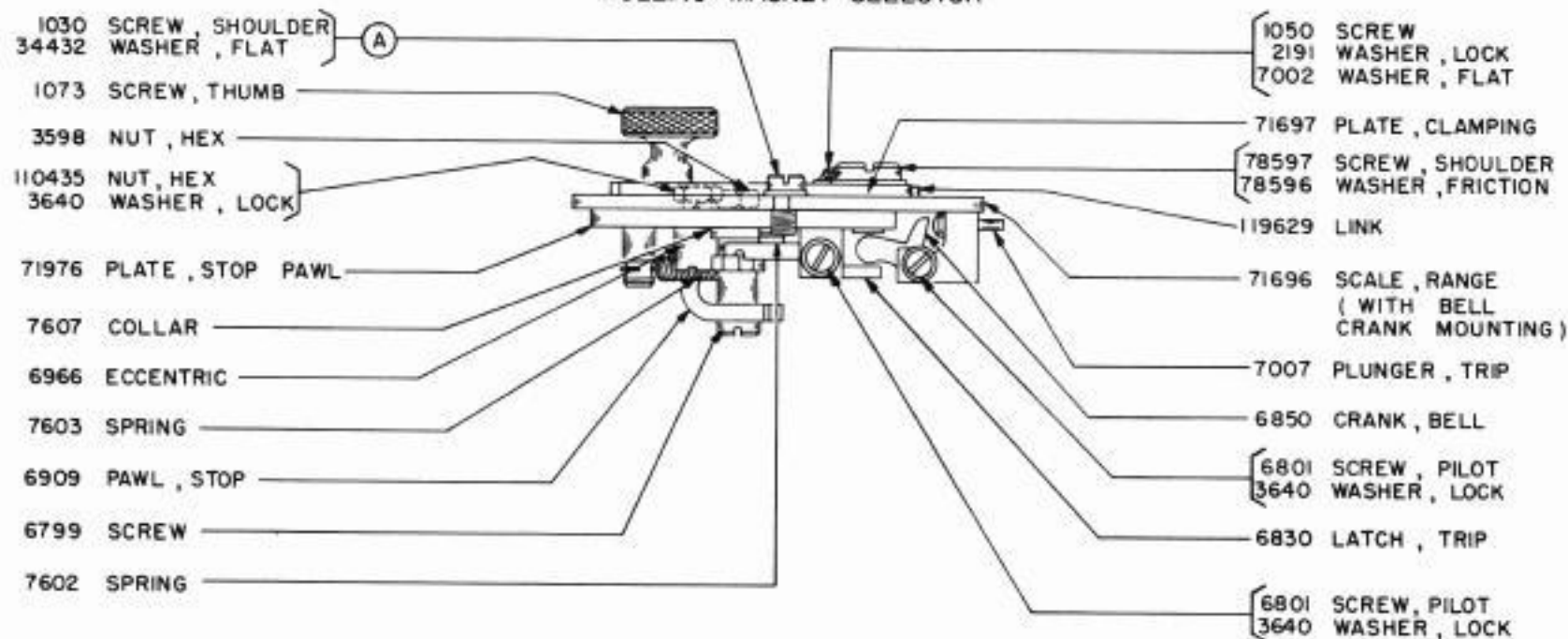
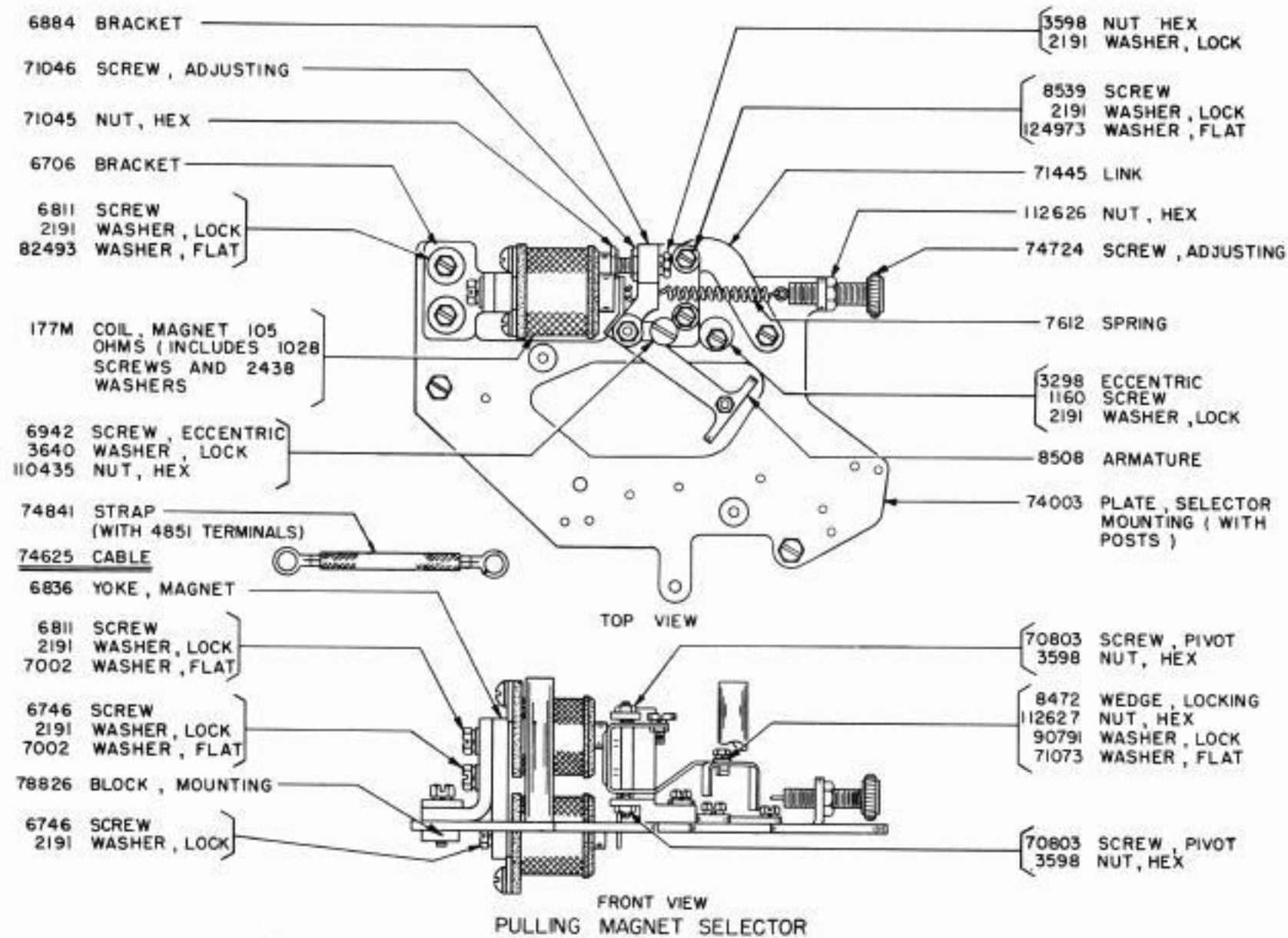


(B) 113703 TERMINAL BLOCK ASSEMBLY (SERIES - PARALLEL)
(EXCLUDES PARTS MARKED (C))

(A) & (B) 113704 TERMINAL BLOCK ASSEMBLY (SERIES - PARALLEL)
(INCLUDES PARTS MARKED (C)) NOT FOR USE IN BELL SYSTEM
SUPERSEDES 94490 SWITCH ASSEMBLY (SERIES - PARALLEL) SEE SEC. III, PAGE 3

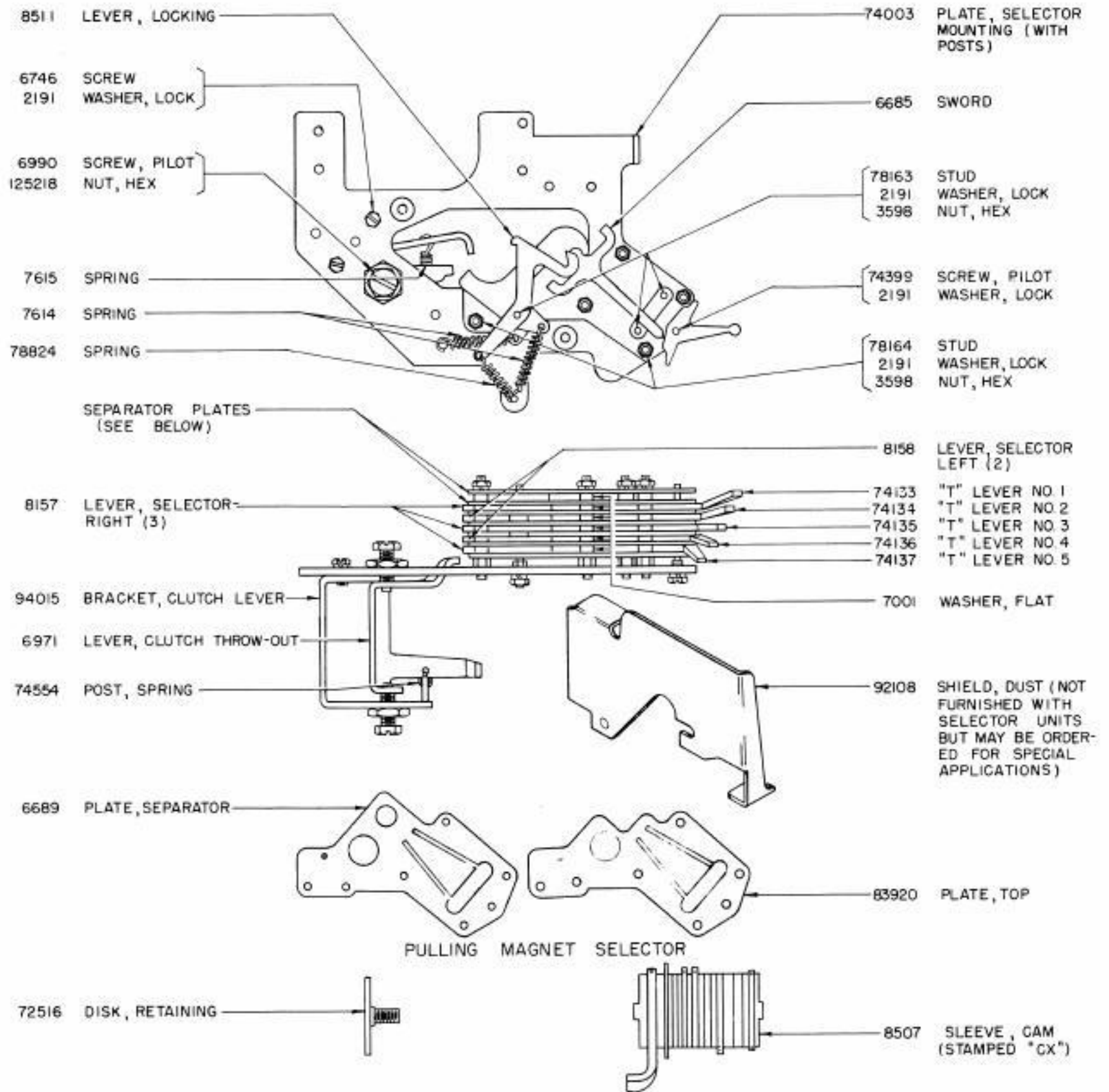
ALL PARTS ON THIS PAGE AND PAGES I-29 & I-30 ARE FOR USE WITH HOLDING MAGNET SELECTORS
(FOR PARTS USED WITH PULLING MAGNET SELECTORS, SEE PAGES I-32 & I-33)

- (A) SEE NOTE ON PAGE I-29
- (B) SEE SEC. IV FOR EXPLANATION



71829 RANGE SCALE ASSEMBLY
(EXCLUDES PARTS MARKED (A))

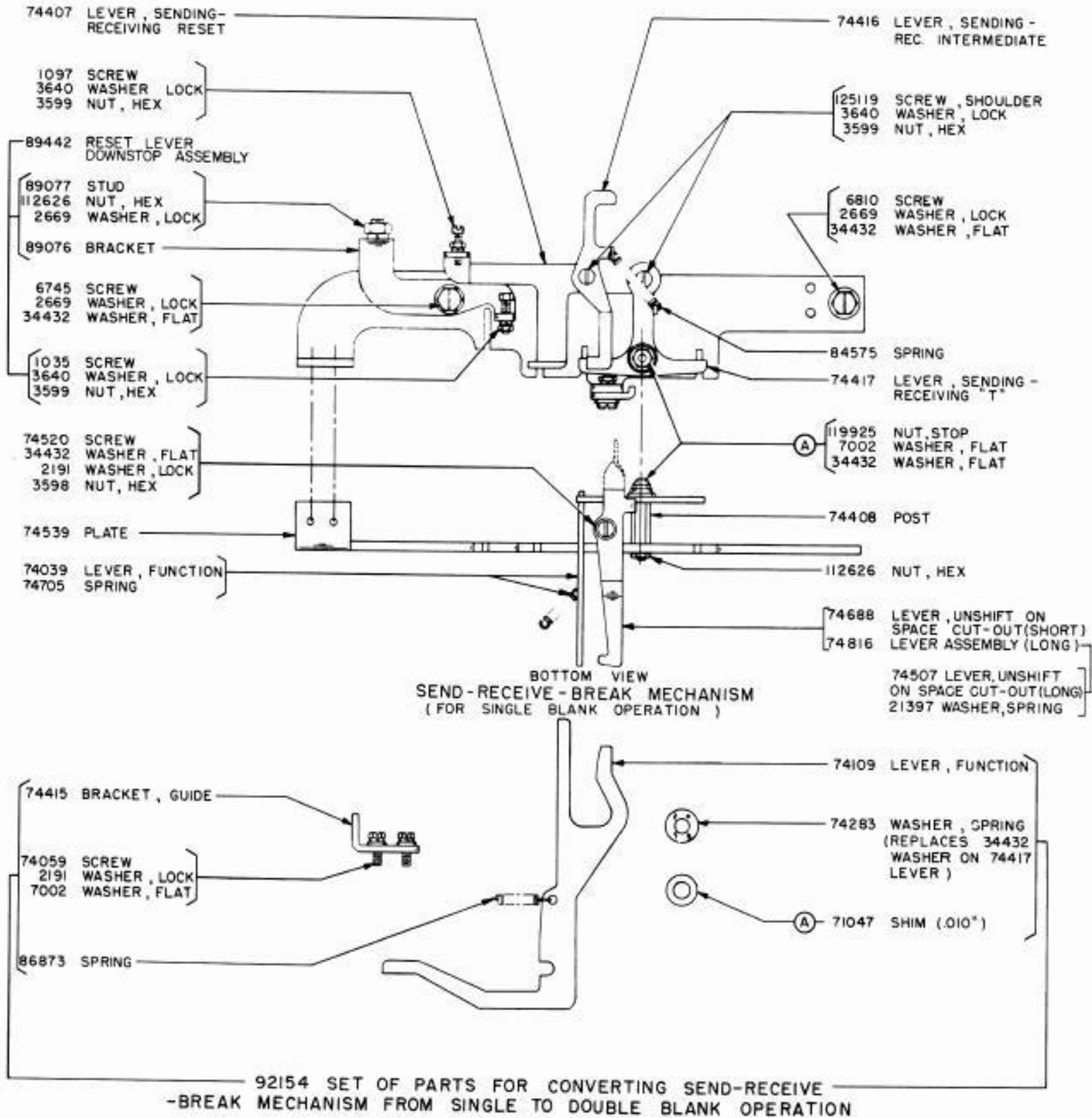
ALL PARTS ON THIS PAGE AND PAGE I-33 ARE FOR USE WITH
PULLING MAGNET SELECTORS
(FOR PARTS USED WITH HOLDING MAGNET SELECTORS, SEE PAGES I-29, I-30 & I-31)



MAIN SHAFT PARTS

(FOR OTHER MAIN SHAFT PARTS SEE PAGE I-16)

ALL PARTS ON THIS PAGE AND PAGE I-32 ARE FOR USE WITH PULLING MAGNET SELECTORS
(FOR PARTS USED WITH HOLDING MAGNET SELECTORS, SEE PAGE I-29, I-30 & I-31)



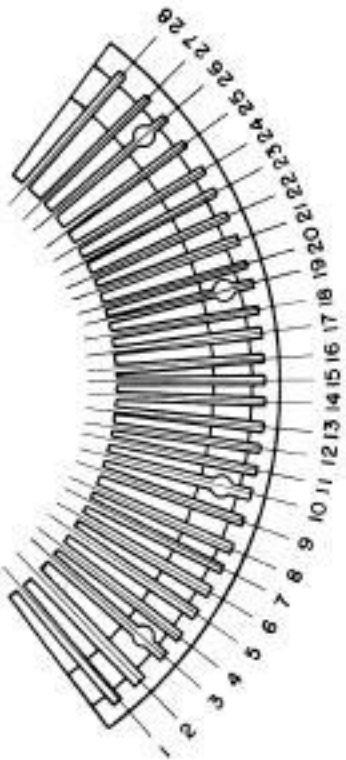
(A) SEE SEC. IV FOR EXPLANATION

FUNCTION LEVERS						
CATALOG NUMBER	POSITION USED	FUNCTION PERFORMED	SPRING	CODE SELECTION	OLD STAMPING	NEW STAMPING
74040	1	LOCKS VANES	74962	ALL COMBINATIONS	1	1
74131	2	CARRIAGE RETURN	74961	---4-	2	POS. 2 OR 3 74131
(A) 84927	2	CARRIAGE RETURN IN "LETTERS" POSITION ONLY	74961	---4-	2-B	POS. S2 84927
106145	2	CARRIAGE RETURN FOR AUTOMATIC C.R. & L.F.	74705	---4-	2	POS. 2 106145
119881	2	CARRIAGE RETURN IN "LETTERS" POSITION ONLY	74705	---4-	—	—
119882	2	CARRIAGE RETURN IN "LETTERS" AND "FIGURES"	74705	---4-	—	—
74128	3	SHIFT TO "FIGURES" POSITION	74962	12_45	3	POS. 3 74128
74138	4	BELL ON FIGURES "S"	74961	1_3_--	4	POS. 4 74138
80489	4	BELL ON FIGURES "J"	74961	12_4_--	4	POS. 4A 80489
80919	4	BELL ON "BLANK"	74961	-----	4	POS. 4B 80919
115542	4	BELL ON FIGURES "A"	74961	12_---	4	POS. 4C 115542
74109	5	RESETS SEND-RECEIVE-BREAK MECHANISM	86873	ANY SPACING CHARACTER	U	POS. 5A 74109
124421	5	RETURN RIBBON TO BLACK ON FIGURES "H"	34464	--3_5	—	UC-H 124421
84792	6	TABULATION ON FIGURES "Z"	74705	1_---5	6	POS. 6A 84792
86768	6	TABULATION ON FIGURES "G"	74705	-2_45	6	POS. 6B 86768
106144	6	AUTOMATIC CARRIAGE RETURN AND LINE FEED	74705	NONE	6	POS. 6 106144
120683	6	MOMENTARY OPERATION OF CONTACTS IN UPPER AND LOWER CASE "X"	74705	1_345	—	U & LC-X 120683
120684	6	MOMENTARY OPERATION OF CONTACTS IN UPPER AND LOWER CASE "Z"	74705	1_---5	—	U & LC-Z 120684
122874	6	STARTS OR STOPS REPERFORATOR	34464	SEE NOTE 1	—	—
124420	6	SHIFT RIBBON TO RED ON FIGURES "L"	34464	-2_--5	—	UC-L 124420
74932	7	SUPPRESSES PRINTING AND SPACING ON "BLANK"	87402	-----	7	7A
(A) (B) 84060	7	SUPPRESSES PRINTING AND SPACING ON "BLANK" IN LETTERS POSITION ONLY	4708	-----	7	7B
111015	7	STOPS REPERFORATOR ON FIGURES "H"	74962	--3_5	7	POS. 7 111015
116714	7	STOPS REPERFORATOR ON FIGURES "L"	74962	-2_--5	7	POS. 7 116714
122541	7	STOPS REPERFORATOR ON FIGURES "N"	74962	--34_	—	UC-N 122541
122542	7	STOPS REPERFORATOR ON FIGURES "V"	74962	-2345	—	UC-V 122542
126979	7	STOPS REPERFORATOR	74962	SEE NOTE 1	—	POS. 7 126979
126891	7	STOPS REPERFORATOR	74962	SEE NOTE 1	—	POS. 7
129481	9	MOMENTARY OPERATION OF CONTACTS	74962	SEE NOTE 1	—	—
74130	9	SHIFT TO LETTERS POSITION ON "SPACE"	74962	--3_--	9	POS. 9 74130
74039	10	OPERATES SEND-REC.-BRK. MECH. ON "BLANK" SIGNAL	74705	-----	10	10
74129	11	SHIFT TO "LETTERS" POSITION	74962	12345	11	POS. 11 74129
74127	12	LINE FEED	74962	-2_---	12	POS. 12 74127
(A) 84928	12	LINE FEED IN "LETTERS" POSITION ONLY	74962	-2_---	S-12	POS. 12A 84928
106279	12	LINE FEED IN "LETTERS" POSITION ONLY	74962	-2_---	—	POS. 12 106279
105274	12	LINE FEED FOR AUTOMATIC C.R. & L.F.	74962	-2_---	12	POS. 12 105274
74038	13	MOTOR STOP ON FIGURES "M"	82788	--345	13	POS. 13 74038
81784	13	MOTOR STOP ON "BLANK"	82788	-----	13	POS. 13C 81784
82271	13	MOTOR STOP ON FIGURES "H"	82788	--3_5	13	POS. 13D 82271
118484	13	MOTOR STOP ON FIGURES "F"	82788	1_34_	13	POS. 13 118484
96822	13	STARTS REPERFORATOR ON FIGURES "F"	74962	1_34_	13	POS. 13R-F 96822
98492	13	STARTS REPERFORATOR ON FIGURES "J"	74962	12_4_	—	POS. 13U-J 98492
99112	13	STARTS REPERFORATOR ON FIGURES "K"	74962	1234_	13	6G-K 99112
103300	13	STARTS REPERFORATOR ON FIGURES "M"	74962	--345	—	POS. 6 103300
116965	6 OR 13	STARTS OR STOPS REPERFORATOR	74962	SEE NOTE 1	—	—

NOTE 1: ANY CODE SELECTION MAY BE OBTAINED BY REMOVING THE PROPER KNOCKOUTS (SEE PAGE I-53)

(A) & (B) SEE SEC. IV FOR EXPLANATION

CODE BARS	
NO. STAMPED ON CODE BARS	CATALOG NO.
1D	74180
2D	74181
3D	74182
4D	74183
5N	11432



NOTE: CHECK CAREFULLY THE POSITION OF TYPE BARS IN THE SEGMENT AND THE ARRANGEMENT OF THE TYPE PALLETS ON THE TYPE BARS. IF THESE DIFFER IN ANY WAY FROM THE ARRANGEMENT SHOWN ON THIS PAGE, THE FOLLOWING PARTS SHOULD BE ORDERED BY NAME. FOR EXAMPLE ORDER:
 TYPE PALLET -----(A--)
 TYPE BAR 17 (WITH PALLET) -----(A--)
 SPRING CUSHION KEYTOP -----(A--)



NOTE: 74185 PULL BAR AND 7634 PULL BAR SPRING ARE USED IN ALL POSITIONS.

NOTE: SEE PAGE "J" FOR SAMPLE PRINTING ILLUSTRATING THE VARIOUS STYLES OF TYPE AS PRINTED.

TELETYPE ARRANGEMENT	DESCRIPTION	SETS OF TYPE PALLETS												TYPE BARS WITH PALLETS		TYPE BARS														
		MURRAY STYLE						LONG GOTHIC STYLE						GOTHIC STYLE		GOTHIC LARGE TYPE		NUMBER STAMPED ON BAR	PART NUMBER											
A -		69 TO 82	74301	69 TO 98	80858	100	82024	106	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74657	90206	84722	114840	74217	17	74217	17
A +		69 TO 82	74773	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	84743	90206	84722	114840	74217	17	74217	17
B ?		69 TO 82	74305	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74645	90194	84710	114840	74205	5	74205	5
B %		69 TO 82	80149	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	82589	90220		114840	74205	5	74205	5
B #		69 TO 82	82176	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	82178	90226		114840	74205	5	74205	5
B 5		69 TO 82	74767	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74843	90226		114840	74205	5	74205	5
B 5/8		69 TO 82	80862	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	82590	90226		114840	74205	5	74205	5
B ⊕		69 TO 82	82420	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	84737	90226		114840	74205	5	74205	5
C :		69 TO 82	74321	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74661	90210	84726	114840	74221	21	74221	21
C 1/8		69 TO 82	74770	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74847	90230		114840	74221	21	74221	21
C 1/8		69 TO 82	80865	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	82599	90230		114840	74221	21	74221	21
C O		69 TO 82	82423	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	84747	90230		114840	74221	21	74221	21
C #		69 TO 82	105343	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74221H	90230		114840	74221	21	74221	21
D B		69 TO 82	74320	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74660	90209	84725	114843	74220	20	74220	20
D /		69 TO 82	82148	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	84746	90209		114843	74220	20	74220	20
E 3		69 TO 82	74315	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74655	90204	84720	114838	74215	15	74215	15
F I		69 TO 82	74322	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74662	90211	84727	114840	74222	22	74222	22
F 1/4		69 TO 82	74771	69 TO 98	80850	188	98465	100	82499	69 TO 105	82750	105	82767	153	91521	230	107176	371	126747	374	126750	91057	74848	90223		114869	74222	22	74222	22

Code	80866	80867	80868	80869	80870	80871	80872	80873	80874	80875	80876	80877	80878	80879	80880	80881	80882	80883	80884	80885	80886	80887	80888	80889	80890	80891	80892	80893	80894	80895	80896	80897	80898	80899	80900
F 1/4																																			
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TYPE BARS WITH PALLETS FOLLOW ON NEXT PAGE. ORIGINAL

LONG GOTHIC STYLE																									
DESCRIPTION	TYPE PALLET	TYPE BAR WITH PALLET	TYPE BARS		DESCRIPTION	TYPE PALLET	TYPE BAR WITH PALLET	TYPE BARS		DESCRIPTION	TYPE PALLET														
			PART NUMBER	NO. STAMPED ON BAR				PART NUMBER	NO. STAMPED ON BAR																
A 1 82289	82595	74217	17	17	D +	122903	74220C	74220	20	H %	91813	102990	74211	11	N *	74314	111745	74225A	74225	25	B 7	110910	11094	74205	5
B 1/2 89543	89541	74205	5	5	D	118054	74220D	74220	20	H %	120939	7421A	74211	11	N *	92447	94401	74225B	74225	25	B **	117150	74205A	74205	5
B MC 92445	92451	74205	5	5	F %	82177	82179	74222	22	H %	122348	7421B	74211	11	N #	99164	89353	74225C	74225	25	C B	89396	90218	74221	21
B V 97924	97926	74205	5	5	F #	83539	84748	74222	22	H %	94073	7421C	74211	11	N	11736	91527	74225D	74225	25	C **	115631	74221B	74221	21
B B 92529	98379	74205	5	5	F -	86663	88847	74222	22	J #	82025	82596	74218	18	N *	11748	122888	74225E	74225	25	C #	117158	74221G	74221	21
B @ 99526	114789	74205	5	5	F #	89325	89328	74222	22	J #	82290	82597	74218	18	N *	11747	120029	74225F	74225	25	D #	115635	74220B	74220	20
B ** 92801	74205B	74205	5	5	F *	99525	102982	74222	22	J *	84890	88848	74218	18	N %	120029	120029	74225G	74225	25	F #	115632	74222E	74222	22
B 1 99188	74205C	74205	5	5	F %	91610	91611	74222	22	J B	91013	91018	74218	18	N	99189	99189	74225H	74225	25	F #	115632	74222E	74222	22
B B 122882	74205D	74205	5	5	F %	99512	101584	74222	22	J #	99511	102984	74218	18	N	122883	122883	74225I	74225	25	F #	115632	74222E	74222	22
B) 122889	74205E	74205	5	5	F %	84687	93728	74222	22	J #	111749	114788	74218	18	N	122905	122905	74225J	74225	25	F #	115632	74222E	74222	22
C R 89222	89218	74221	21	21	F N	105333	74222C	74222	22	J GL	11762	114792	74218	18	N **	11761	11761	74225K	74225	25	F #	115632	74222E	74222	22
C % 89324	89327	74221	21	21	F 1/2	94411	74222B	74222	22	J #	87490	74218B	74218	18	S	83861	84756	74225L	74225	25	F #	115632	74222E	74222	22
C ** 91232	91233	74221	21	21	F 1/2	120937	74222A	74222	22	J #	87490	74218B	74218	18	S	89547	91578	74225M	74225	25	F #	115632	74222E	74222	22
C ? 92448	92454	74221	21	21	F @	120947	74222D	74222	22	J #	11744	74218C	74218	18	S	99513	101752	74225N	74225	25	F #	115632	74222E	74222	22
C B 99165	99168	74221	21	21	F #	122346	74222F	74222	22	J #	122909	74218D	74218	18	S	120946	74228A	74228	28	F #	115632	74222E	74222	22	
C # 120940	74221A	74221	21	21	G #	99531	102986	74224	24	L +	92446	92452	74210	10	V /	82770	84751	74225O	74225	25	F #	115632	74222E	74222	22
C # 118046	74221C	74221	21	21	G #	120938	74224A	74224	24	L GN	105337	114790	74210	10	V #	86662	88846	74225P	74225	25	F #	115632	74222E	74222	22
C C 122885	74221D	74221	21	21	G ?	120928	74224B	74224	24	L L	122884	74210A	74210	10	V W	89223	89219	74225Q	74225	25	F #	115632	74222E	74222	22
C 1/2 91526	74221E	74221	21	21	G *	122347	74224C	74224	24	M %	8201	82591	74208	8	V :	89326	89329	74225R	74225	25	F #	115632	74222E	74222	22
C 1/4 122311	74221F	74221	21	21	G	103171	74224D	74224	24	M #	82272	82592	74208	8	V #	14	89544	74225S	74225	25	F #	115632	74222E	74222	22
D % 82291	82598	74220	20	20	H 1/2	82718	84741	74211	11	M #	91875	102983	74208	8	V US	92449	92455	74225T	74225	25	F #	115632	74222E	74222	22
D ** 95171	95172	74220	20	20	H #	97925	97927	74211	11	M **	105338	114794	74208	8	V *	91814	102991	74225U	74225	25	F #	115632	74222E	74222	22
D @ 120936	74220A	74220	20	20	H B	87949	102987	74211	11	N -	81729	81730	74214	14	V LB	11764	114793	74225V	74225	25	F #	115632	74222E	74222	22

MURRAY STYLE																														
DESCRIPTION	TYPE PALLET	TYPE BAR WITH PALLET	TYPE BARS		DESCRIPTION	TYPE PALLET	TYPE BAR WITH PALLET	TYPE BARS		DESCRIPTION	TYPE PALLET																			
			PART NUMBER	NO. STAMPED ON BAR				PART NUMBER	NO. STAMPED ON BAR																					
A O 11990	C #	111741	E Y	119199	G	120036	J	120036	J	120036	J	120036	J	120036	J	120036	J	120036	J	120036	J	120036	J	120036	J	120036	J			
A L 118062	C	111756	E	120021	G	120053	J	120053	J	120053	J	120053	J	120053	J	120053	J	120053	J	120053	J	120053	J	120053	J	120053	J	120053	J	
A # 119188	C	12002	F B	99518	G	120915	J	120915	J	120915	J	120915	J	120915	J	120915	J	120915	J	120915	J	120915	J	120915	J	120915	J	120915	J	
A B 120922	C	118055	F	99523	G	122353	J	122353	J	122353	J	122353	J	122353	J	122353	J	122353	J	122353	J	122353	J	122353	J	122353	J	122353	J	
A # 120948	C	118072	F	11740	G	122876	J	122876	J	122876	J	122876	J	122876	J	122876	J	122876	J	122876	J	122876	J	122876	J	122876	J	122876	J	
A # 90277	C	119202	F	11987	G	94468	J	94468	J	94468	J	94468	J	94468	J	94468	J	94468	J	94468	J	94468	J	94468	J	94468	J	94468	J	
B # 91873	C	120025	F	118040	H	2/3	99507	J	99507	J	99507	J	99507	J	99507	J	99507	J	99507	J	99507	J	99507	J	99507	J	99507	J	99507	J
B N 99521	C	122310	F	118064	H	+	99505	K	99505	K	99505	K	99505	K	99505	K	99505	K	99505	K	99505	K	99505	K	99505	K	99505	K	99505	K
B 1/5 99532	C	120904	F	118077	H	5/8	99519	K	99519	K	99519	K	99519	K	99519	K	99519	K	99519	K	99519	K	99519	K	99519	K	99519	K	99519	K
B % 111737	C	120920	F	120026	H	3	120026	H	120026	H	120026	H	120026	H	120026	H	120026	H	120026	H	120026	H	120026	H	120026	H	120026	H	120026	H

B OZ	111766	C 3/4	120941	F X	120034	H 7	111988	K 1/2	120038	N 2	118075	Q 1	120037	V 1/4	122341	Z TAB	122918
B 1	111997	C 3/4	122343	F 1/4	120039	H 8	118049	K 3/4	120910	N 3	119185	R 1	120024	V 1/2	122342	Z 1	122879
B 1/2	118048	C 1/2	122357	F 1/2	120054	H 1	118066	K 1	120917	N 4	120906	R 2	111998	V 1/4	122354	Z 2	122887
B 3/4	118074	C 1/4	122912	F 3/4	120907	H 2	118084	K 2	122359	N 5	120913	R 3	119200	V 1/2	122902	Z 3	122897
B 1	118076	C 1/2	122898	F ON	120949	H 3	119180	K 3	122908	N 6	120919	S 1	118053	V 1/4	122913	Z 4	119189
B 1/2	118083	D 1	92441	F E	122351	H 4	120052	K 4	122905	N 7	120927	S 2	119204	V 1/2	122920	Z 5	119190
B 3/4	119182	D 1/2	99038	F FZ	122910	H 5	120055	L 1	131753	N 8	120930	S 3	120049	V 1/4	122886	Z 6	119191
B 1	120013	D 3/4	99508	F SZ	122914	H 6	120057	L 2	118069	N 9	122901	S 4	122877	V 1/2	122899	Z 7	119192
B 1/2	120912	D 1	111755	F 1	122875	H 7	122875	L 3	118079	N 10	122904	S 5	111738	V 1/4	120914	Z 8	119193
B 3/4	120926	D 1/2	112001	F 1/2	122890	H 8	122340	L 4	118079	N 11	122907	S 6	111739	V 1/2	120924	Z 9	119194
B 1	122356	D 3/4	118044	F 3/4	122895	H 9	122352	L 5	119203	N 12	122917	S 7	111760	V 1/4	120942	Z 10	119195
B 1/2	122900	D 1	118063	G %	99524	H 10	122905	L 6	120018	N 13	122919	T 1	111996	V 1/2	111994	Z 11	119196
B 3/4	122916	D 1/2	119206	G TAB	103169	H 11	122878	L 7	120060	N 14	122922	T 2	119205	V 1/4	118071	Z 12	119197
B 1	122921	D 3/4	120035	G *	111743	H 12	124687	L 8	120911	N 15	122923	T 3	120017	V 1/2	120901	Z 13	119198
B 1/2	122924	D 1	120042	G 1/2	111757	H 13	119181	L 9	120918	N 16	111746	T 4	120935	V 1/4	120903	Z 14	120925
B 3/4	122891	D 1/2	120934	G 3/4	112000	H 14	120020	L 10	120929	N 17	124690	T 5	90276	V 1/2	124688	Z 15	92443
B 1	122893	D 3/4	120944	G 1	118065	H 15	120033	L 11	122860	N 18	119187	T 6	111992	V 1/4	91874	Z 16	99516
B 1/2	90278	D 1	120945	G 1/2	120027	H 16	118042	L 12	122896	N 19	120019	T 7	119186	V 1/2	111759	Z 17	99520
B 3/4	99504	E 1	111989	G 3/4	120031	J 1	112016	L 13	103170	N 20	111993	T 8	111742	V 1/4	118038	Z 18	99528

*SPECIAL FRACTION TYPE PALLETS THAT ARE .150 IN HEIGHT

A 1	82608	B 1/2	99574	D 1	92822	F 1/4	117145	H 1/2	117243	V 1	115634
A 1/2	117972	B 3/4	96533	D 1/2	99041	F 1/2	117152	H 3/4	117242	V 1/2	115640
A 3/4	120756	B 1	113329	D 3/4	99545	F 3/4	117155	H 1	117236	V 1/4	96549
A 1	120791	C 1/2	89226	D 1	117943	F 1	117157	H 1/2	117238	V 1/2	115636
A 1/2	96523	C 3/4	91808	D 1/2	117973	F 1/2	117147	H 3/4	117247	V 3/4	115638
A 3/4	89545	C 1	91234	D 3/4	118003	F 3/4	117155	H 1	117239	V 1	117156
B 1/2	86463	C 1/2	86461	D 1	120778	F 1/4	117151	H 1/2	117249	V 1/2	96550
B 3/4	97528	C 3/4	89401	D 1/2	120786	F 3/4	117154	H 3/4	117241	V 3/4	117142
B 1	92530	C 1	92524	D 3/4	96524	F 1	117154	H 1	117238	V 1	117154
B 1/2	99543	C 1/2	91034	D 1	120733	F 1/2	117157	H 1/2	117247	V 1/2	96553
B 3/4	92802	C 3/4	123015	D 1/2	82611	F 3/4	117155	H 3/4	117236	V 3/4	117156
C 1	98190	C 1	78981	D 3/4	95173	F 1	117157	H 1	117238	V 1	117141
C 1/2	123012	C 1/2	123033	D 1	123038	G 1/4	117155	H 1/4	117246	V 1/4	96555
C 3/4	123018	C 3/4	113327	D 1/2	89404	G 1/2	117151	H 1/2	117249	V 1/2	117149
C 1	117948	C 1	91133	D 3/4	113318	G 3/4	117154	H 3/4	117241	V 3/4	117149
C 1/2	91876	C 1/2	99535	D 1	82612	G 1	117155	H 1	117236	V 1	117149
C 3/4	99566	C 3/4	113250	D 1/2	93085	G 1/2	117155	H 1/2	117238	V 1/2	117149
D 1	99593	C 1	95167	D 3/4	88851	G 3/4	117155	H 3/4	117247	V 3/4	117149
D 1/2	91810	C 1/2	117954	D 1	96598	G 1	117155	H 1	117238	V 1	117149
D 3/4	117984	C 3/4	117982	D 1/2	99575	G 1/2	117155	H 1/2	117247	V 1/2	117149
E 1	117989	C 1	95162	D 3/4	97649	G 3/4	117155	H 3/4	117241	V 3/4	117149
E 1/2	117995	C 1/2	118010	D 1	91294	G 1	117155	H 1	117238	V 1	117149
E 3/4	99447	C 3/4	120754	D 1/2	83902	G 1/2	117155	H 1/2	117249	V 1/2	117149
F 1	120745	C 1	78994	D 3/4	91032	G 3/4	117155	H 3/4	117241	V 3/4	117149
F 1/2	120750	C 1/2	120794	D 1	120790	G 1	117155	H 1	117238	V 1	117149
F 3/4	120811	C 3/4	120810	D 1/2	88878	G 1/2	117155	H 1/2	117247	V 1/2	117149
G 1	123028	C 1	123043	D 3/4	99561	G 3/4	117155	H 3/4	117241	V 3/4	117149
G 1/2	123050	C 1/2	123026	D 1	99568	G 1	117155	H 1	117238	V 1	117149
G 3/4	123057	C 3/4	96532	D 1/2	99632	G 1/2	117155	H 1/2	117249	V 1/2	117149
H 1	123059	C 1	91144	D 3/4	117940	G 3/4	117155	H 3/4	117241	V 3/4	117149

CONTINUED ON NEXT PAGE

TELETYPE ARRANGEMENT	DESCRIPTION	KEYTOPS	HP	BS	PW	BW	BY	BZ	GE	FD	CS	GF	LK	HP	+HP TO TO TO PW FD	GE TO TO TO PW GF	GE TO TO TO GF	LK TO TO TO GE	CELLULOID AT EW	
A	78946	X	X	X	X	X	X	X	X	89410	BELL SYSTEM ARRANGEMENT-D	X	X	78935	WEATHER SERVICE MAP	93731	93730	111182	KEYTOPS	88651
A 1/2	89414																			
A 3/4	78947	X	X	X	X	X	X	X	X											
B	78986																			
B 1/2	89425																			
B 3/4	78948	X	X	X	X	X	X	X	X											
C	89423																			
C 1/2	78949	X	X	X	X	X	X	X	X											
C 3/4	89415																			
D	78950	X	X	X	X	X	X	X	X											
D 1/2	78951	X	X	X	X	X	X	X	X											
D 3/4	78952	X	X	X	X	X	X	X	X											
E	89416																			
E 1/2	78952	X	X	X	X	X	X	X	X											
E 3/4	89417																			
F	78953	X	X	X	X	X	X	X	X											
F 1/2	78981	X	X	X	X	X	X	X	X											
F 3/4	82607																			
G	89418																			
G 1/2	78954	X	X	X	X	X	X	X	X											
G 3/4	78955	X	X	X	X	X	X	X	X											
H	78993																			
H 1/2	89419																			

CONTINUED ON NEXT PAGE

MISCELLANEOUS SPRING CUSHION KEYTOPS

DESCRIPTION	PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION	PART NUMBER
J P $\frac{1}{2}$	120792	M B	118002	N 1/2	120753	V 1/2	117983
J P $\frac{1}{2}$	98527	M 3/8	118034	N 1/2	120765	V 1/2	117984
K P $\frac{1}{2}$	117952	M 1/2	89403	P 1/2	99560	V 1/2	91809
K P $\frac{1}{2}$	117978	N -	99534	P 1/2	120889	V 1/2	118011
K P $\frac{1}{2}$	117991	N -	89208	P 1/2	98522	V 1/2	89546
K P $\frac{1}{2}$	118013	N #	99169	S	86855	V 1/2	96493
K P $\frac{1}{2}$	99482	N -	93735	S +	123030	V 1/2	120781
K P $\frac{1}{2}$	98528	N P	97203	S %	94648	V 1/2	123056
K P $\frac{1}{2}$	120751	N Y	83904	S /	118028	V 1/2	123037
K P $\frac{1}{2}$	113345	N %	78990	S =	120814	V 1/2	123044
L +	86466	N N	95168	S @	117950	V 1/2	123027
L GN	113316	N N	123013	V /	91274	V 1/2	120793
L L	123014	N G	123049	V /	88850	V 1/2	117957
L L	99538	N P	92341	V W	89227	V 1/2	118018
L LM	113312	N -	99043	V :	96599	V 1/2	82613
L L	117979	N -	113259	V US	86482	X X	91273
L L	117992	N -	117985	V *	91811	X M	89228
L -	123006	N 1/2	118012	V LB	113311	X +	92180
L ?	120735	N 1/2	120746	V =	13252	X MO	113310
L L	118014	N 1/2	120772	V B	94496	X B	91877
L L	120771	N CG	123029	V -	89352	X	117936
L L	123024	N @	123035	V %	91528	X 1/2	117981
L L	96529	N GR	123039	V (123017	X #	120744
L L	120752	N 6, 6	123051	V +	99042	X 1/2	118017
M %	82605	N :	123054	V **	99551	X 1/2	96531
M #	82606	N 1/2	123058	V X	99569	Y #	117967
M 1	91878	N (89402	V ?	99629	Z #	89225
M P	113317	N @	98893	V)	99549	Z #	123021
M	99559	N 1/2	120775	V 7	118005	Z @	117999

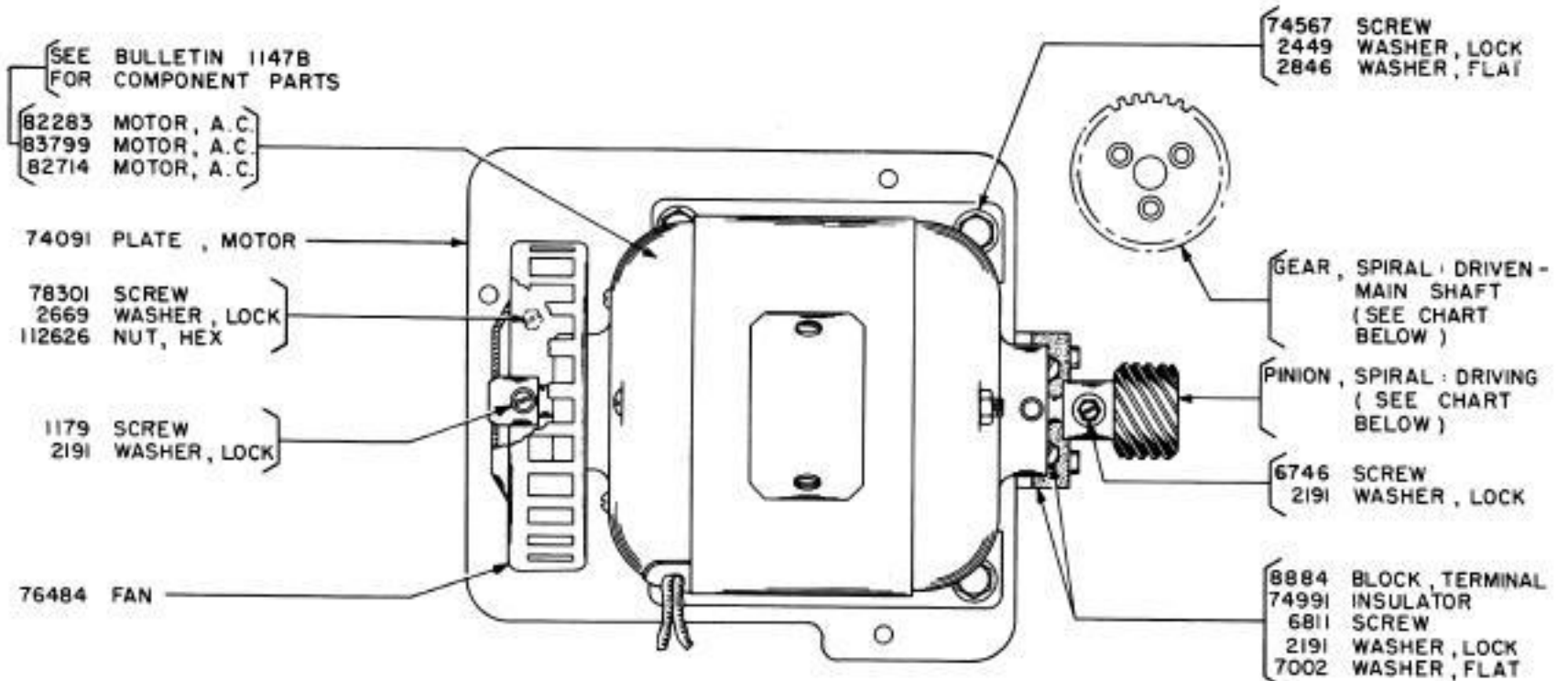
MISCELLANEOUS CELLULOID KEYTOPS

DESCRIPTION	PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION	PART NUMBER	DESCRIPTION	PART NUMBER
A 1	99700	F	72036	H B	114992	M	78661
B 1	90282	F %	75889	H STOP	86630	M #	83862
B 1	75886	F #	83540	H 1	99704	M 1/2	99677
B 2	98499	F P	97852	H B	75891	N @	98500
B 3	99676	F ON	99211	H =	84532	N Y	72044
C 1	75701	F 1/2	114908	J %	78651	N -	75704
C 1/2	75807	F E	120834	J -	86631	N @	99698
C 1	77216	G 1/2	84531	J 1/2	114890	P 1/2	114893
C -	90283	G %	120835	J BELL	114921	S 1/2	72828
C O	98497	G 1/2	99703	J 1/2	95102	S	72049
D 1/2	75888	G **	75578	K 1/2	114891	S #	75525
D 1/2	99701	G	86841	K No	79652	S /	75894
D	84530	G 1/2	99689	L 1/2	114892	S B	78646
F 1/2	78648	G N	114919	M %	72043	U %	90281
F 1/2	99702	H 1/2	78650	M	75893	V 1/2	75702

SETS OF KEYTOPS
SPRING CUSHION

TELETYPE ARRANGEMENT	DESCRIPTION	KEYTOPS	HP	BS	PW	BW	BY	BZ	GE	FD	CS	GF	LK	HP TO PW	HP TO FD	90101 WEATHER MAP SERVICE	GE TO PW	GE TO GF	LK TO GE	CELLULOID	AT	EW
	K 1	78956	X	X	X	X	X	X	X		X	X	X	X			93730	93731	11182	KEYTOPS	75851	88651
	K 1/2	78988	X	X	X	X	X	X	X		X	X	X	X						72041		X
	K 1/2	89420								X						X				75653	X	
	L 1	78957	X	X	X	X	X	X	X		X	X	X	X						72042		X
	L 1/2	78983								X										75654	X	
	L 1/2	89421																				
	M -	78958	X	X	X	X	X	X	X													
	N -	78959	X	X	X	X	X	X	X													
	N 1/2	78987																				
	N @	89426								X						X						
	O 9	78960	X	X	X	X	X	X	X													
	P 0	78961	X	X	X	X	X	X	X													
	P 1/2	99564																				
	Q 1	78962	X	X	X	X	X	X	X													
	R 4	78963	X	X	X	X	X	X	X													
	S BELL	78980	X	X	X	X	X	X	X													
	T 5	78964	X	X	X	X	X	X	X													
	U 7	78965	X	X	X	X	X	X	X													
	V 1	78966	X	X	X	X	X	X	X													
	V 1/2	78985																				
	V 1/2	89424																				
	W 2	78967	X	X	X	X	X	X	X							X						
	X /	78968	X	X	X	X	X	X	X													
	Y 6	78969	X	X	X	X	X	X	X													
	Z P	78970	X	X	X	X	X	X	X													
	Z +	89422																				
	-	78979																				
	-	89413																				
	BLANK FIGS.	78971	X	X	X	X	X	X	X		X											
	LTRS.	78972	X	X	X	X	X	X	X													
	CAR. RET.	78973	X	X	X	X	X	X	X													
	LINE FEED	78976	X	X	X	X	X	X	X													
		78978	X	X	X	X	X	X	X													

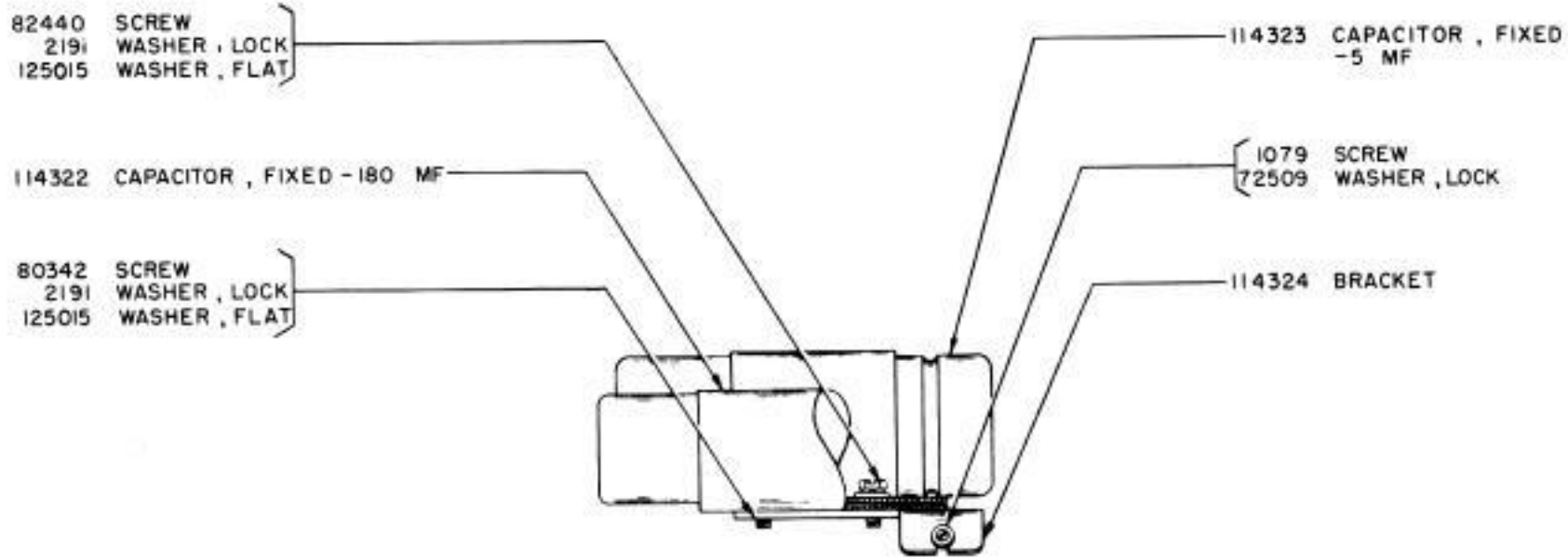
† 113749 MODIFICATION KIT: TO CONVERT BELL SYSTEM KEYBOARD ARRANGEMENT FROM "A" TO "D" USE 90101 SET OF SPRING CUSHION KEYTOPS, 74762 KEYLEVER, 2565 KEYLEVER SPRING, AND 89413 SPRING CUSHION KEYTOP FOR USE IN BLANK POSITION.



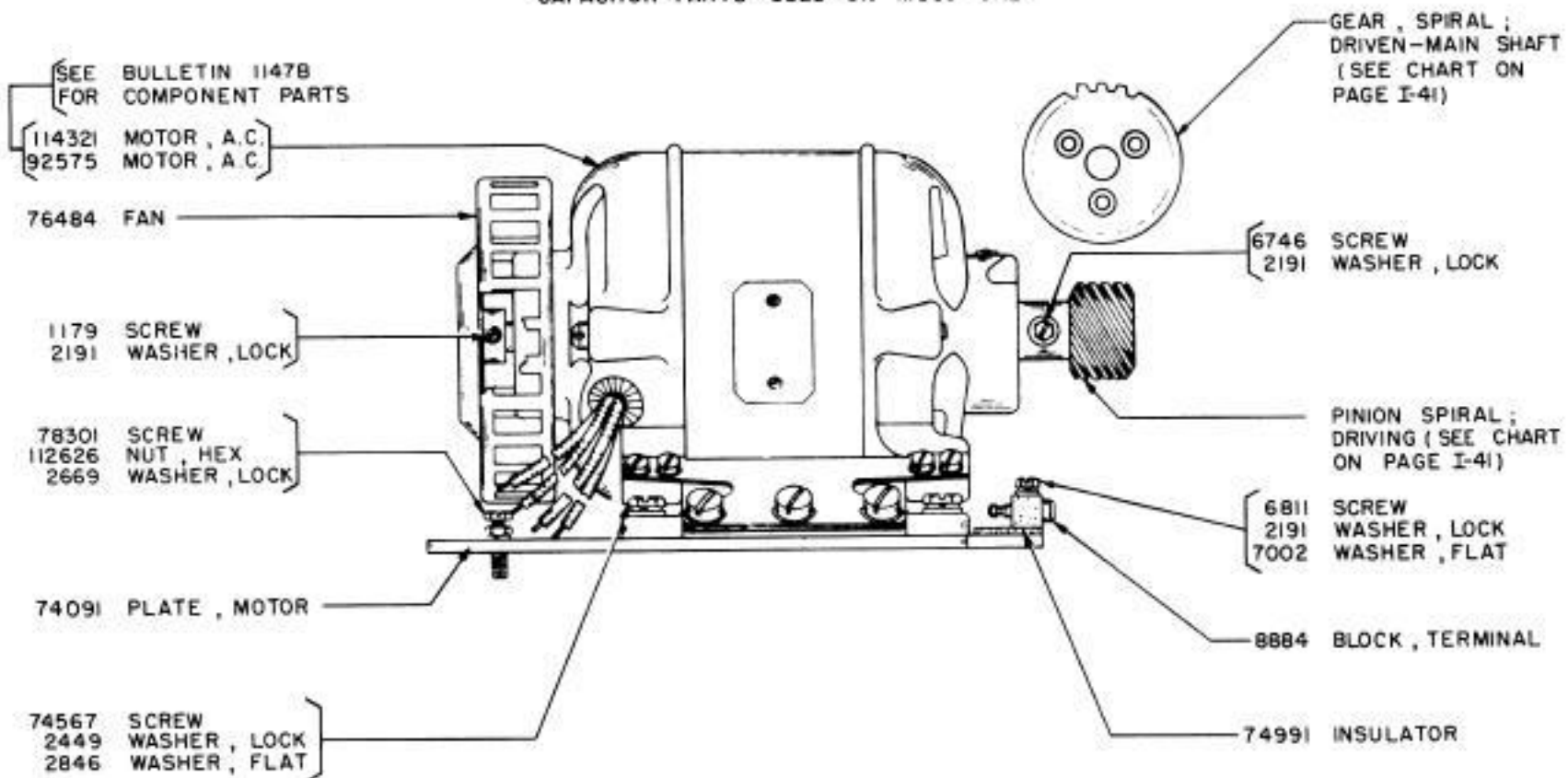
MU4 MOTOR UNIT (BELL SYSTEM 15D) - INCLUDES 82283 SYNCHRONOUS MOTOR, 60 CYCLE A. C.
 MU7 MOTOR UNIT (BELL SYSTEM 15M) - INCLUDES 83799 SYNCHRONOUS MOTOR, 60 CYCLE A. C.
 MU8 MOTOR UNIT (BELL SYSTEM 15E) - INCLUDES 82714 SYNCHRONOUS MOTOR, 50 CYCLE A. C.
 (PINION AND GEAR NOT INCLUDED WITH ABOVE MOTOR UNITS)

GEAR AND MOTOR PINION COMBINATIONS
 USED WITH GOVERNED AND SYNCHRONOUS MOTORS

SET NUMBER	BELL CODE	GEARS				OPERATIONS PER MINUTE	WORDS PER MINUTE	MOTOR DATA				TYPE OF MOTOR
		MAIN PART NO.	GEAR TEETH	MOTOR PART NO.	PINION TEETH			TARGET		SPEED INDICATOR		
								PART NO.	SPOTS	PART NO.	V. P. S.	
80437	15C	74913	30	74912	7	368	60	—	—	—	—	110V. 60 CYCLE - SYNCHRONOUS
96535	15G	91287	24	91286	7	460	75	—	—	—	—	
84042	15E	84019	25	84018	7	368	60	—	—	—	—	
107474	—	107460	20	107461	7	460	75	—	—	—	—	110V. 50 CYCLE - SYNCHRONOUS
84042	—	84019	25	84018	7	368	60	—	—	—	—	110V. 25 CYCLE - SYNCHRONOUS
107474	—	107460	20	107461	7	460	75	—	—	—	—	
80374	15A	74151	35	74505	7	368	60	7105	10	103628	87.6	110V. A. C. SERIES
96536	15H	84106	32	84105	8	460	75	7105	10	103628	87.6	
80374	—	74151	35	74505	7	368	60	7105	10	103628	87.6	
96536	—	84106	32	84105	8	460	75	7105	10	103628	87.6	110V. D. C. SHUNT
80374	—	74151	35	74505	7	368	60	7105	10	103628	87.6	220V. D. C. SHUNT
96536	—	84106	32	84105	8	460	75	7105	10	103628	87.6	



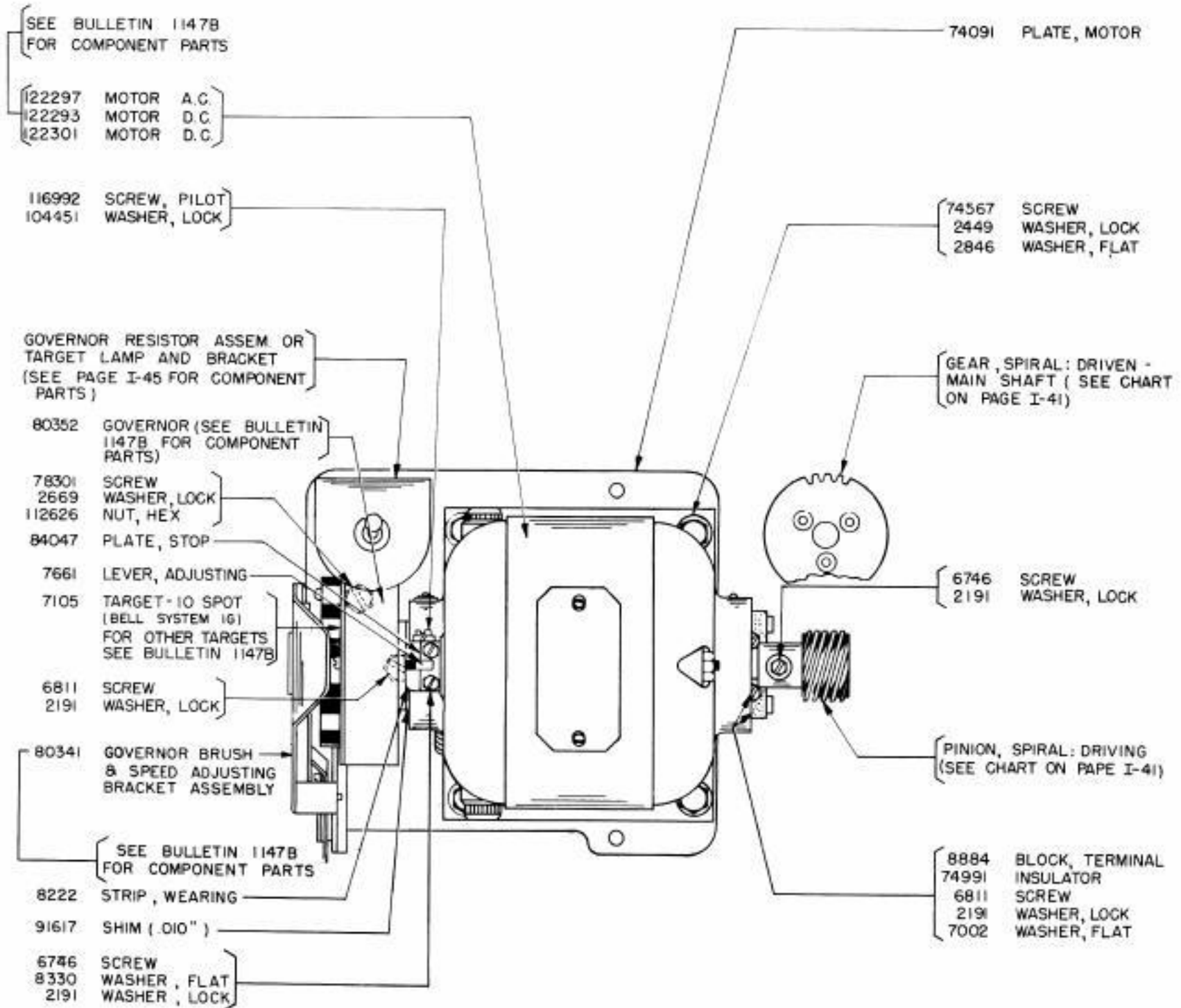
CAPACITOR PARTS USED ON MU33 ONLY



MUI5 MOTOR UNIT (BELL SYSTEM 15L) INCLUDES 92575 SYNCHRONOUS MOTOR, 60 CYCLE A.C. (*93854 SYNCHRONOUS MOTOR, 60 CYCLE A.C.)

MU33 MOTOR UNIT-INCLUDES 114321 SYNCHRONOUS MOTOR, 25 CYCLE A.C. (PINION AND GEAR NOT INCLUDED WITH ABOVE MOTOR UNITS)

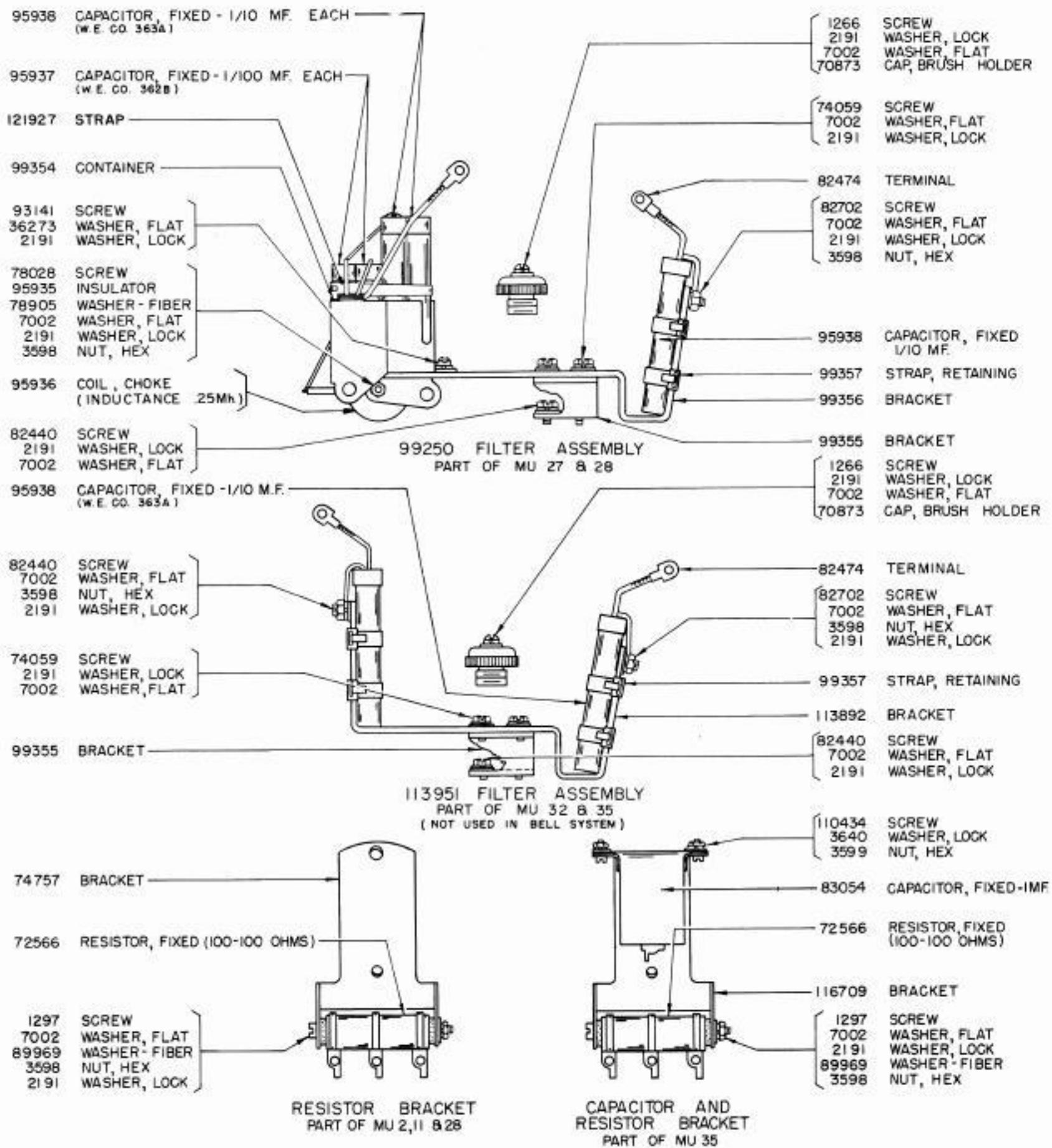
* SAME AS 92575 EXCEPT EQUIPPED WITH AN ADDITIONAL 89946 (BELL SYSTEM SERVICE) NAME PLATE AND 78025 NAME PLATE MOUNTING SCREWS



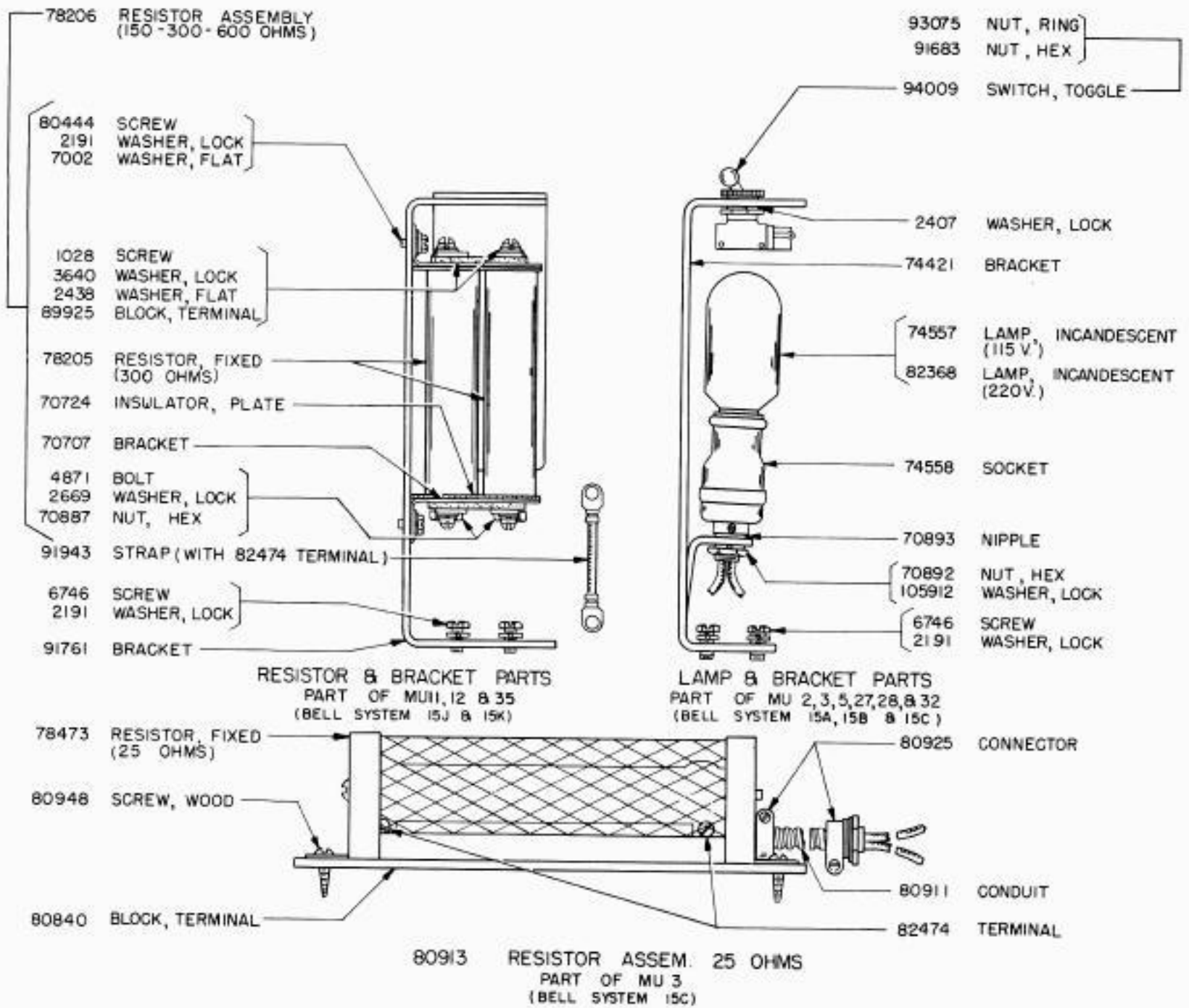
- MU1 MOTOR UNIT (BELL SYSTEM 15A) - INCLUDES 122297 GOVERNED MOTOR, 60 CYCLE A.C. SERIES
- ① MU3 MOTOR UNIT (BELL SYSTEM 15C) - INCLUDES 122297 GOVERNED MOTOR, 60 CYCLE A.C. SERIES
- MU12 MOTOR UNIT (BELL SYSTEM 15J) - INCLUDES 122297 GOVERNED MOTOR, 60 CYCLE A.C. SERIES
- MU27 MOTOR UNIT - INCLUDES 122297 GOVERNED MOTOR, 60 CYCLE A.C. SERIES
- MU32 MOTOR UNIT - INCLUDES 122297 GOVERNED MOTOR, 60 CYCLE A.C. SERIES
- MU2 MOTOR UNIT (BELL SYSTEM 15B) - INCLUDES 122293 GOVERNED, 110V. D.C. SHUNT
- MU11 MOTOR UNIT (BELL SYSTEM 15K) - INCLUDES 122293 GOVERNED, 110V. D.C. SHUNT
- MU28 MOTOR UNIT INCLUDES 122293 GOVERNED MOTOR, 110V. D.C. SHUNT
- MU35 MOTOR UNIT INCLUDES 122293 GOVERNED MOTOR, 110V. D.C. SHUNT
- MU5 MOTOR UNIT INCLUDES 122301 GOVERNED MOTOR, 220V. D.C. SHUNT

(PINION AND GEAR NOT INCLUDED WITH ABOVE MOTOR UNITS)
 (SEE PAGES I-44 & I-45 FOR ACCESSORIES USED ON ABOVE MOTOR UNITS)

① SEE SEC. IV FOR EXPLANATION

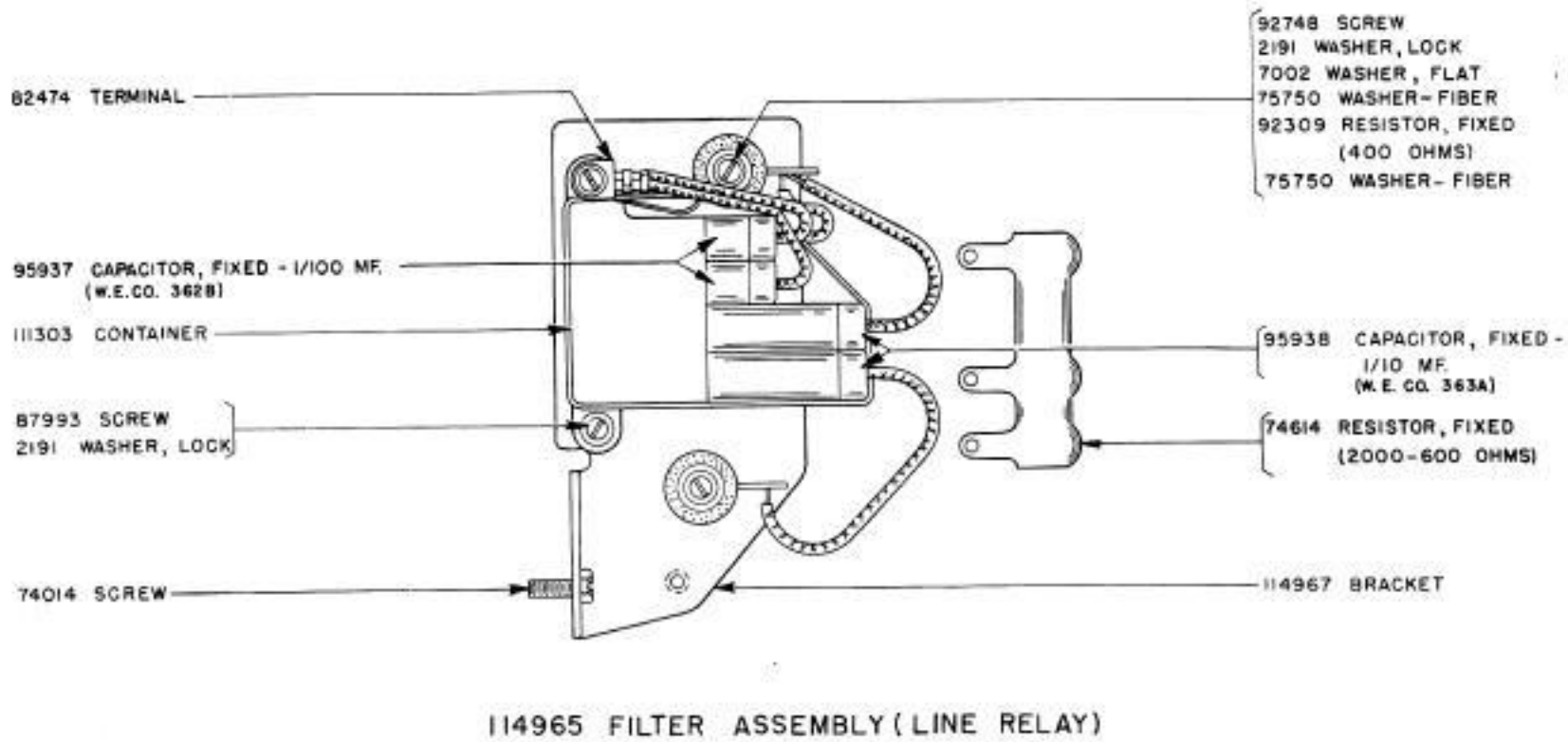
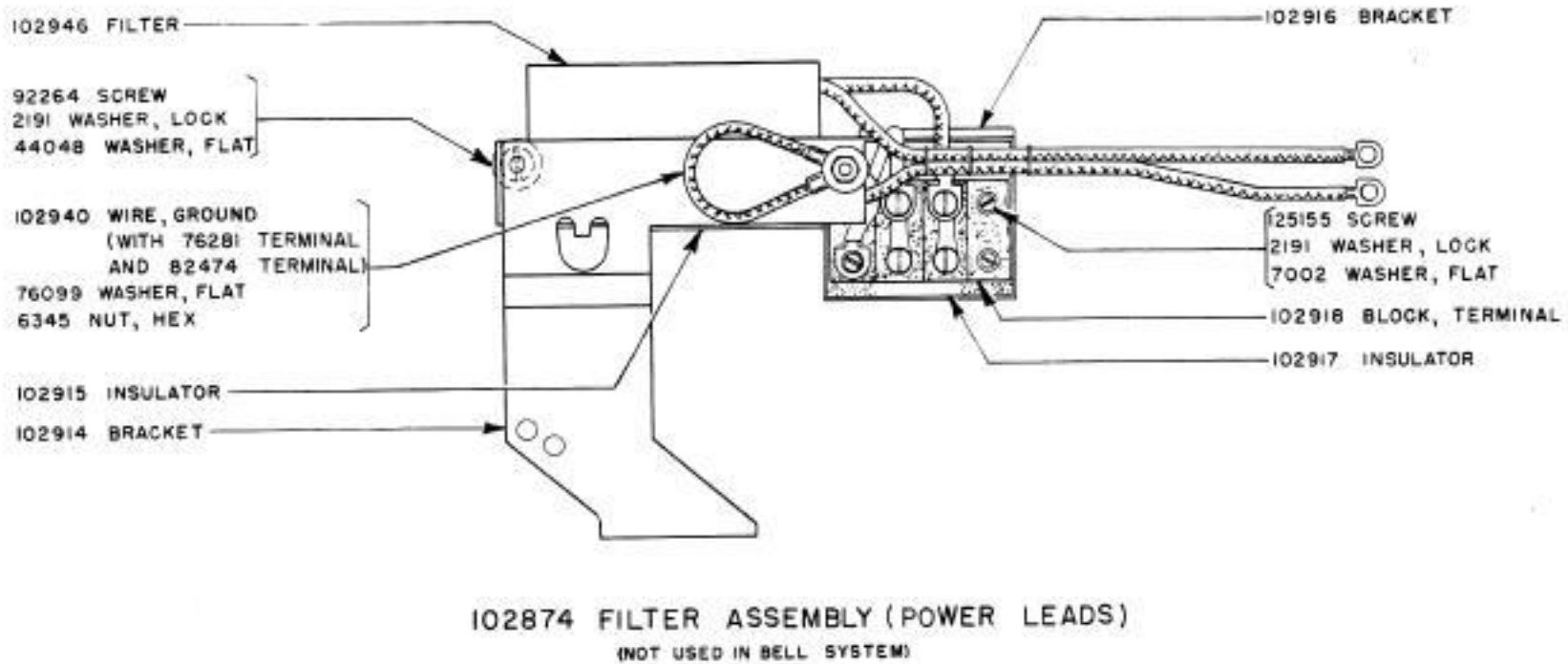
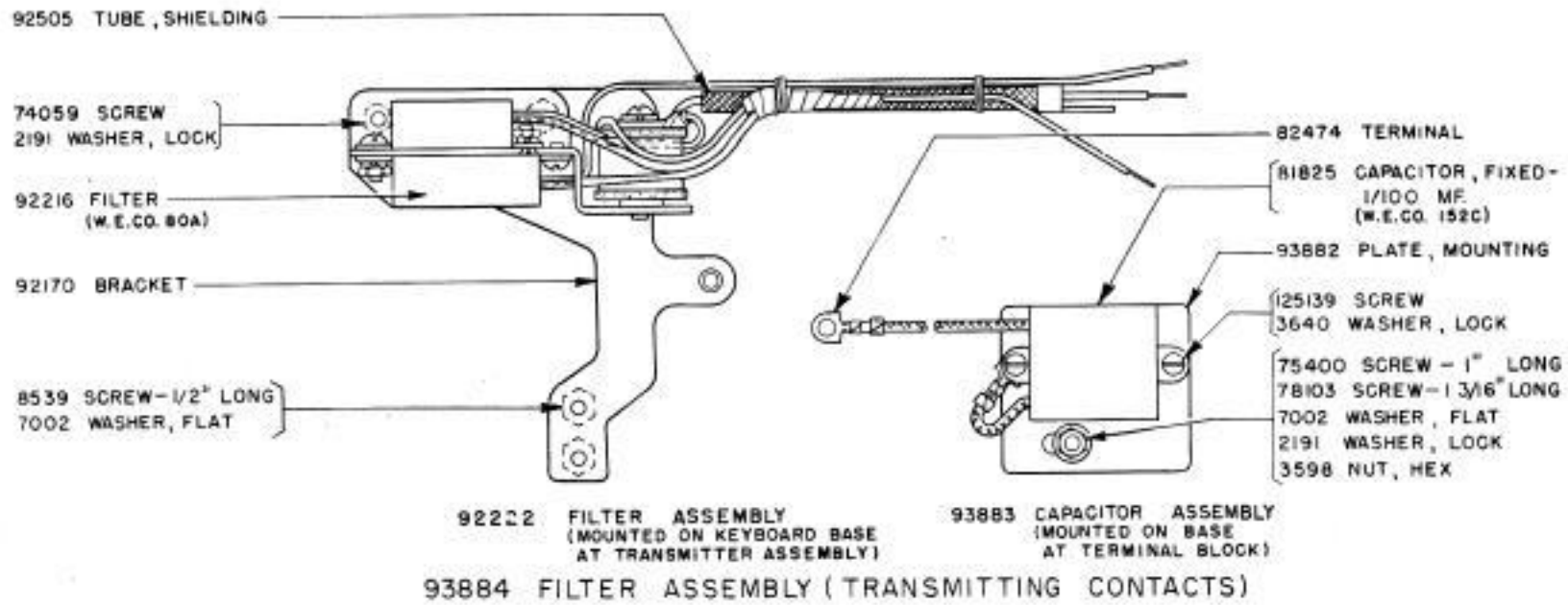


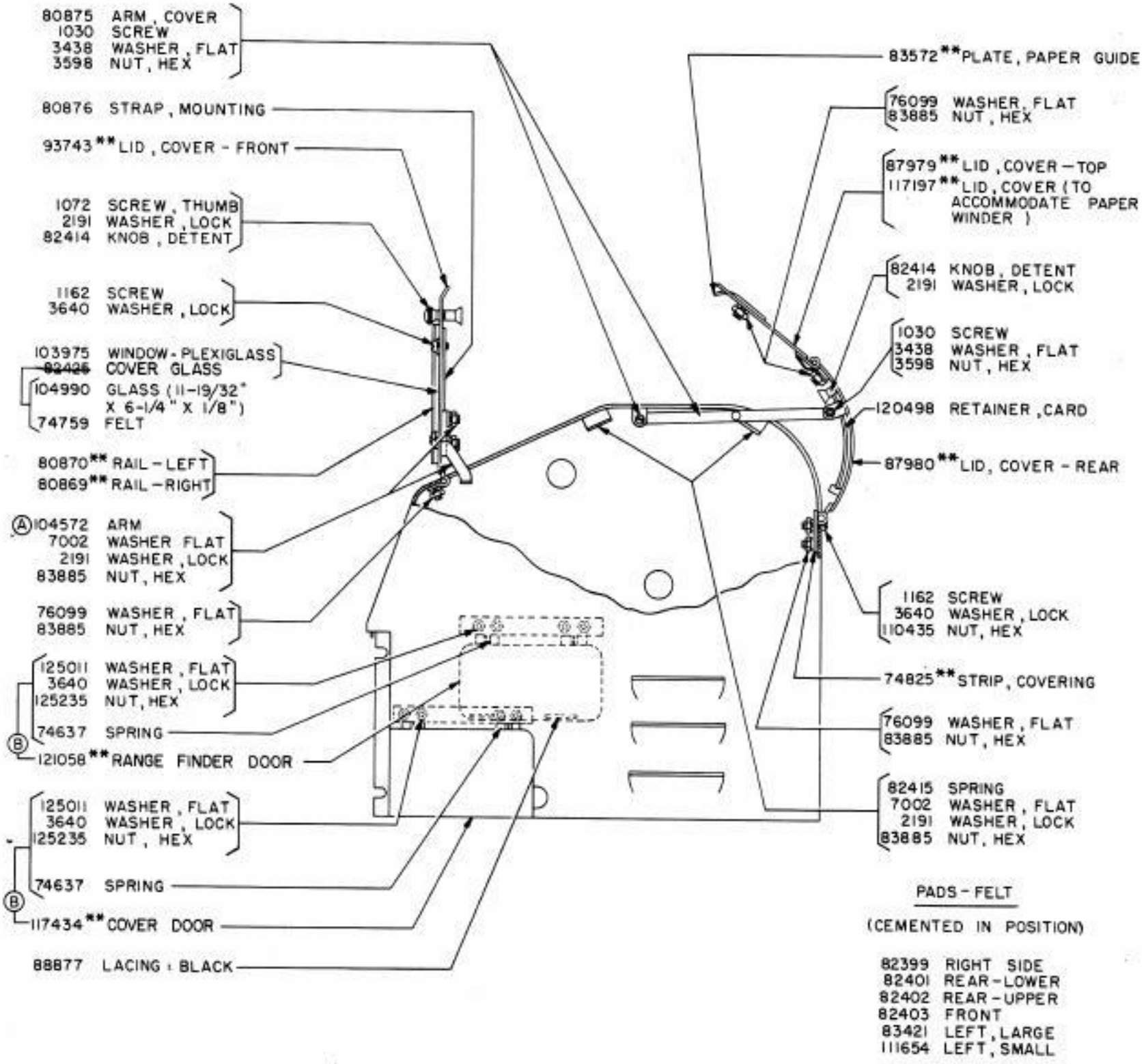
VARIABLE FEATURES OF MOTOR UNITS
MU 2, 11, 27, 28, 32 & 35



CABLE ASSEMBLY CHART		
MOTOR UNIT USED ON	CABLE ASSEMBLY NO	WIRING DIAGRAM
MU 1 (BELL SYSTEM 15A)	74788	1277 WD
MU 2 (BELL SYSTEM 15B)	74571	1277 WD
MU 3 (BELL SYSTEM 15C)	74788	1297 WD
MU 4 (BELL SYSTEM 15D)	NONE	1297 WD
MU 5	74571	1297 WD
MU 7 (BELL SYSTEM 15M)	NONE	1221 WD
MU 8 (BELL SYSTEM 15E)	NONE	1277 WD
MU 11 (BELL SYSTEM 15K)	91763	1620 WD
MU 12 (BELL SYSTEM 15J)	91762	1620 WD
MU 15 (BELL SYSTEM 15L)	NONE	1277 WD
MU 27	74788	2143 WD
MU 28	74571	2143 WD
MU 32	74788	2386 WD
MU 33	NONE	1620 WD
MU 35	115586	2422 WD

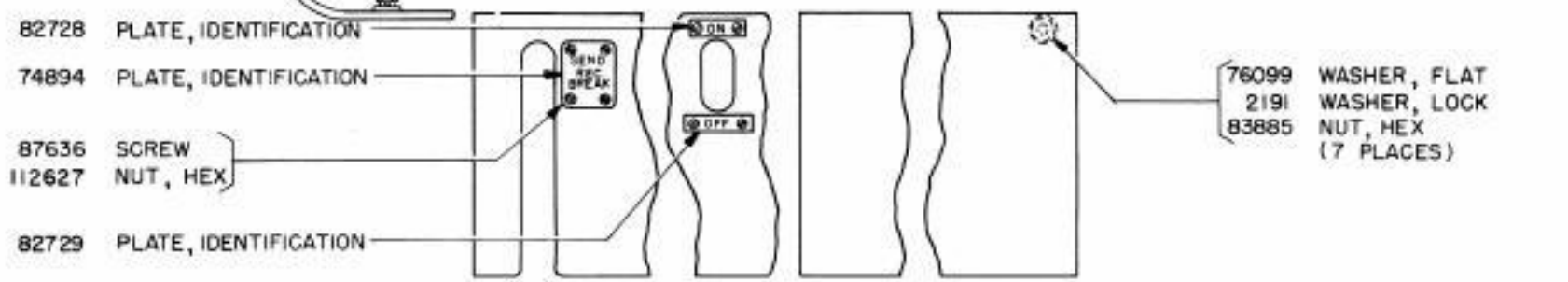
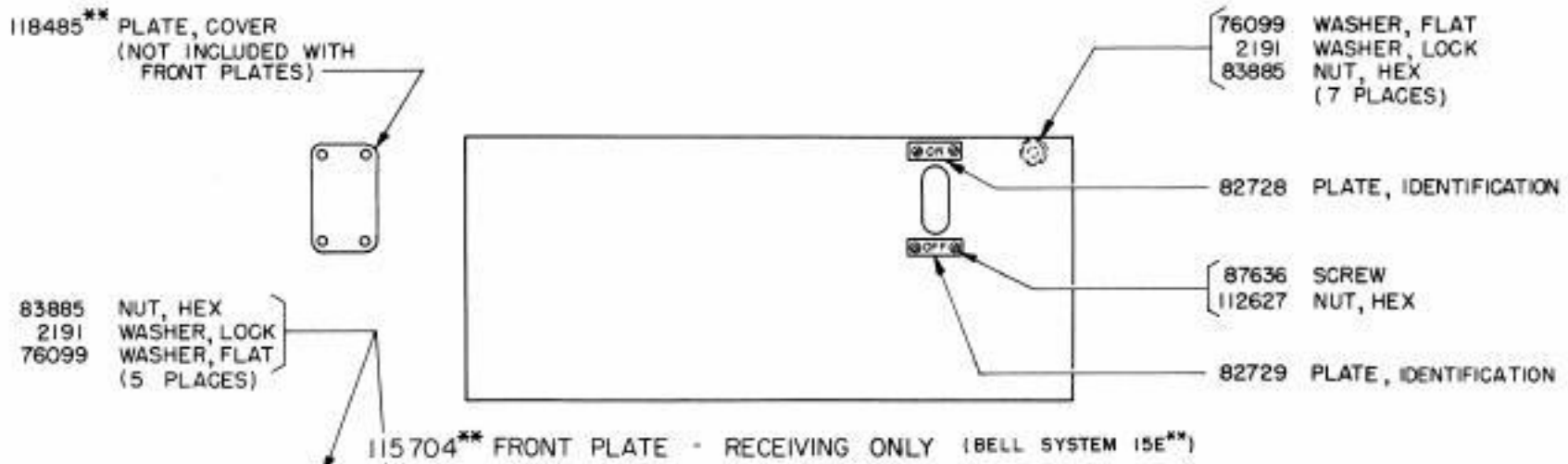
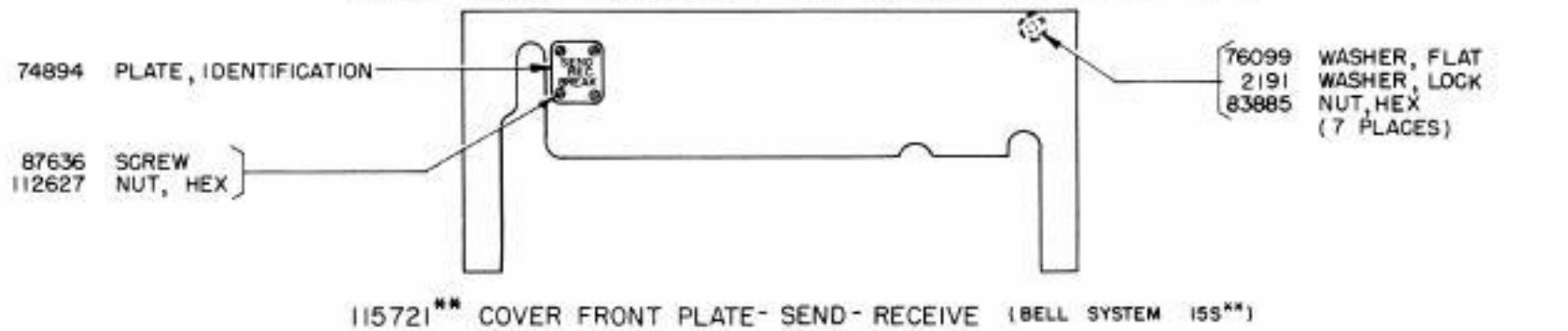
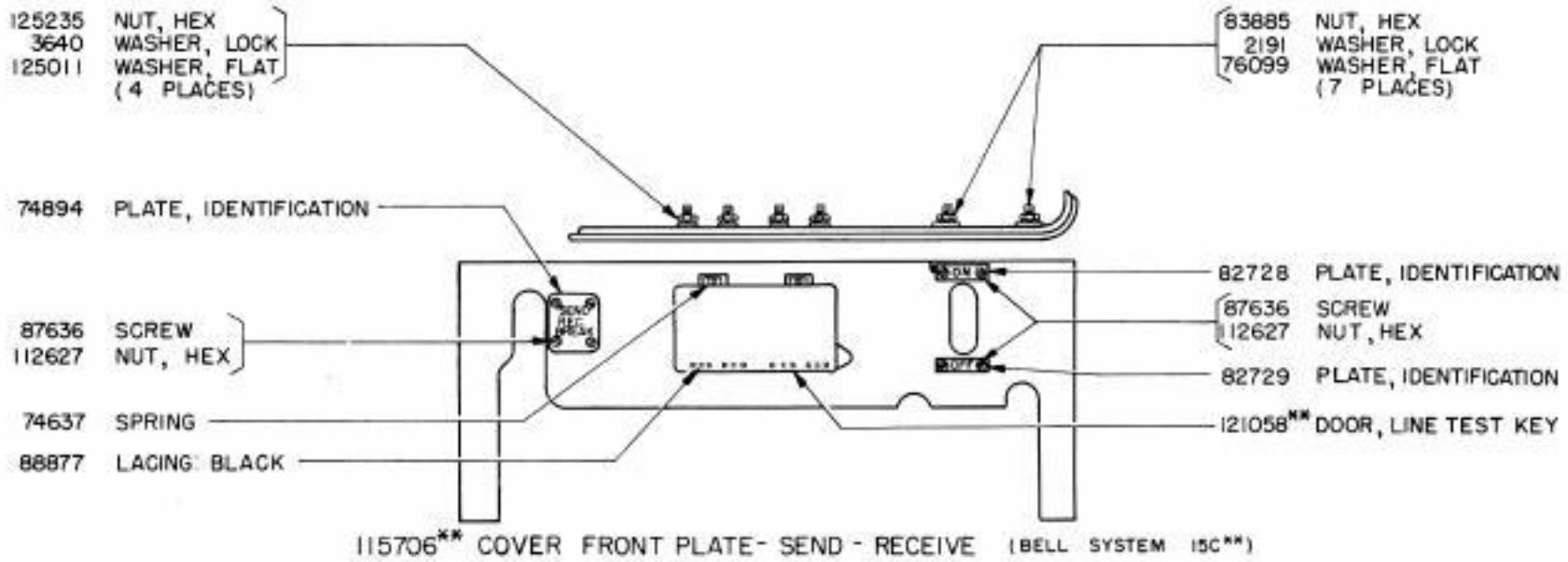
VARIABLE FEATURES OF MOTOR UNITS
MU 1, 2, 3, 5, 11, 12, 27, 28, 32 & 35



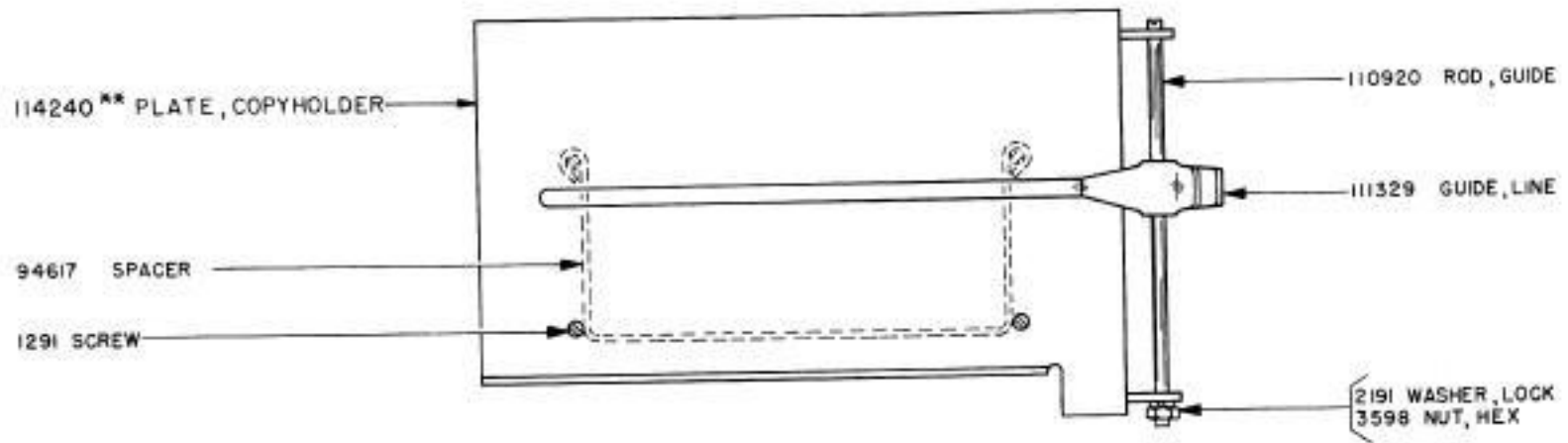


BPC200 ** COVER ASSEMBLY
(BELL SYSTEM 15C **)

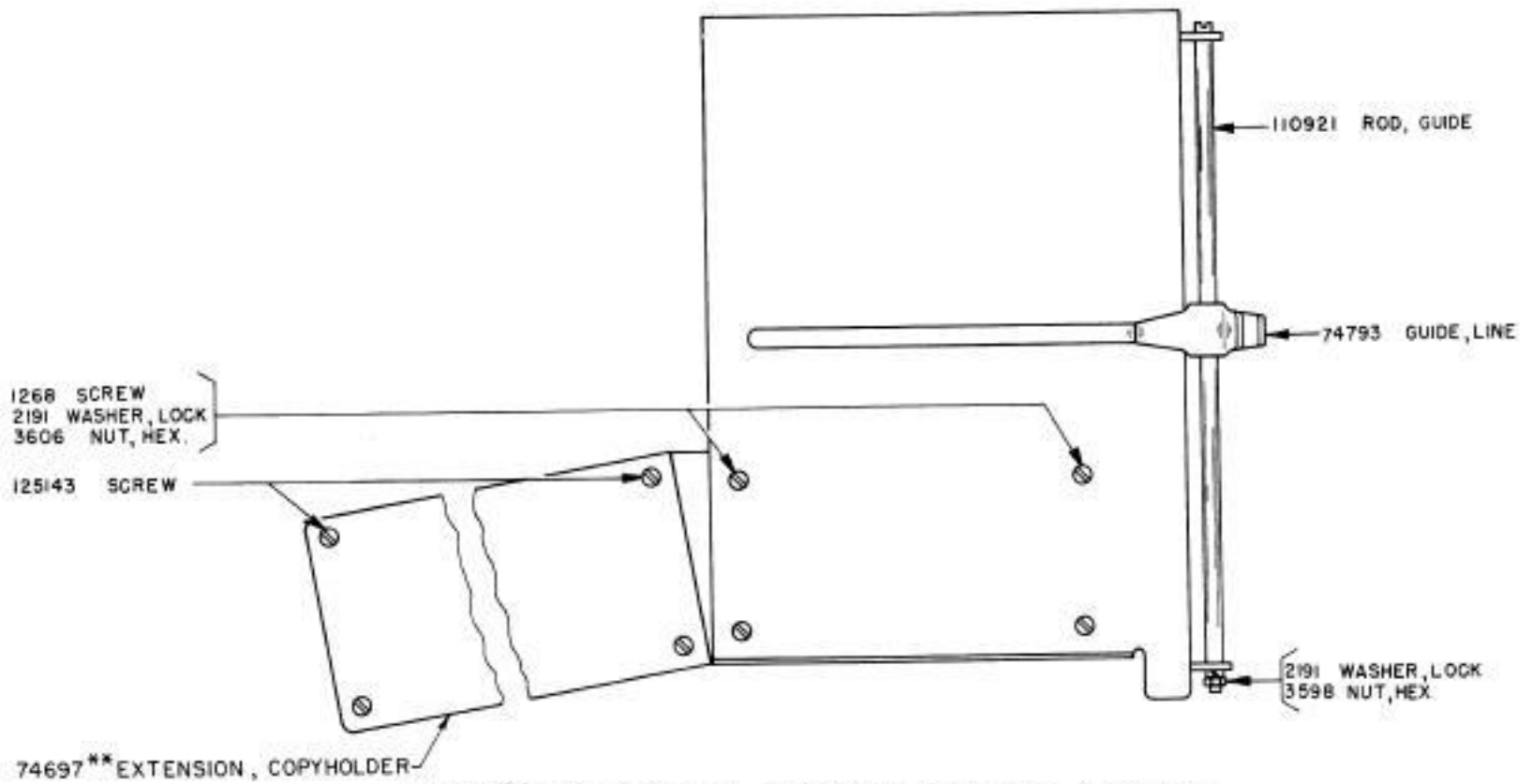
** SEE SEC. IV, PAGE 4 FOR EXPLANATION
(A) & (B) SEE SEC. IV FOR EXPLANATION



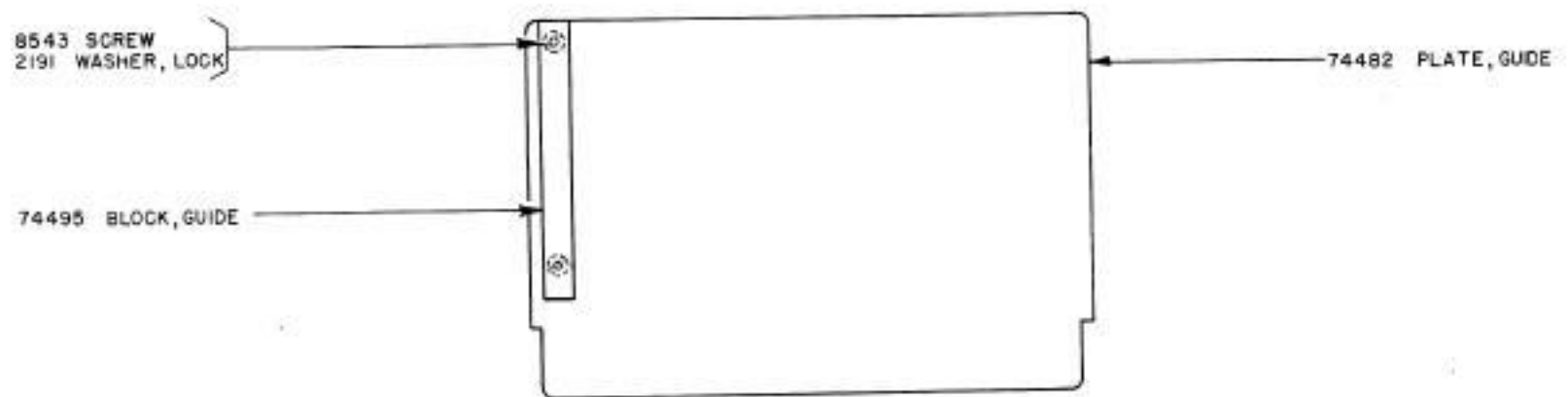
**SEE SEC. IX, PAGE 4 FOR EXPLANATION



115700** COPYHOLDER ASSEMBLY - 6" (NEW STYLE)
 (BELL SYSTEM 14A**)
 SEE SEC.III,PAGE 2 FOR OLD STYLE



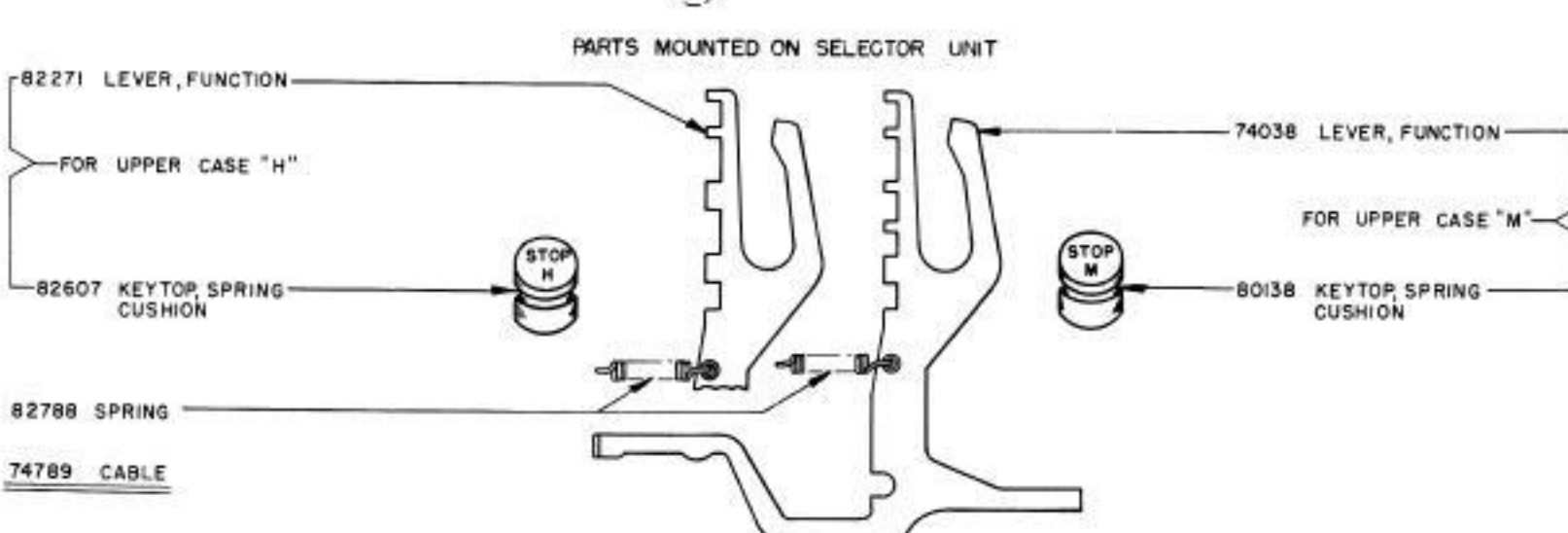
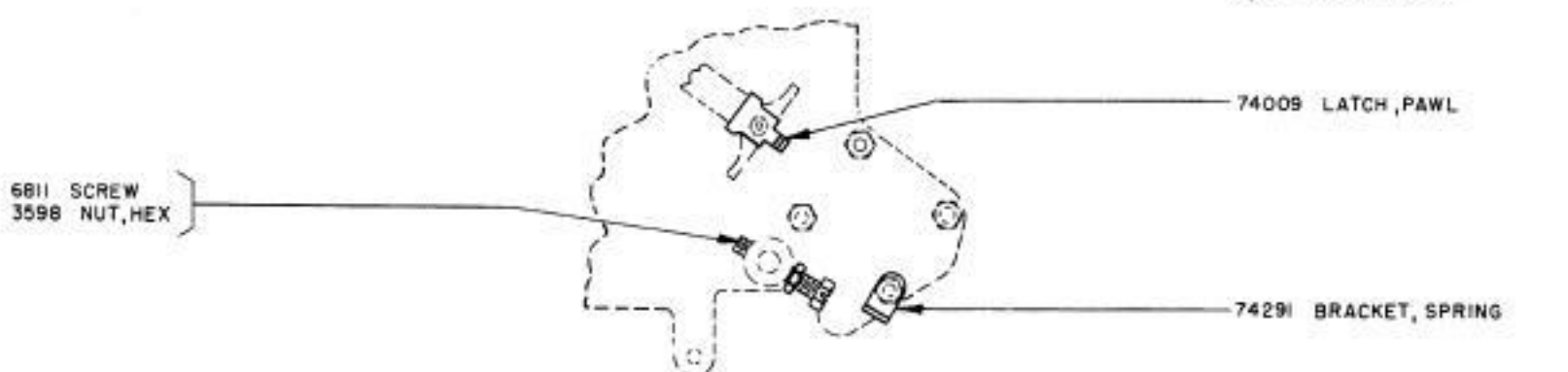
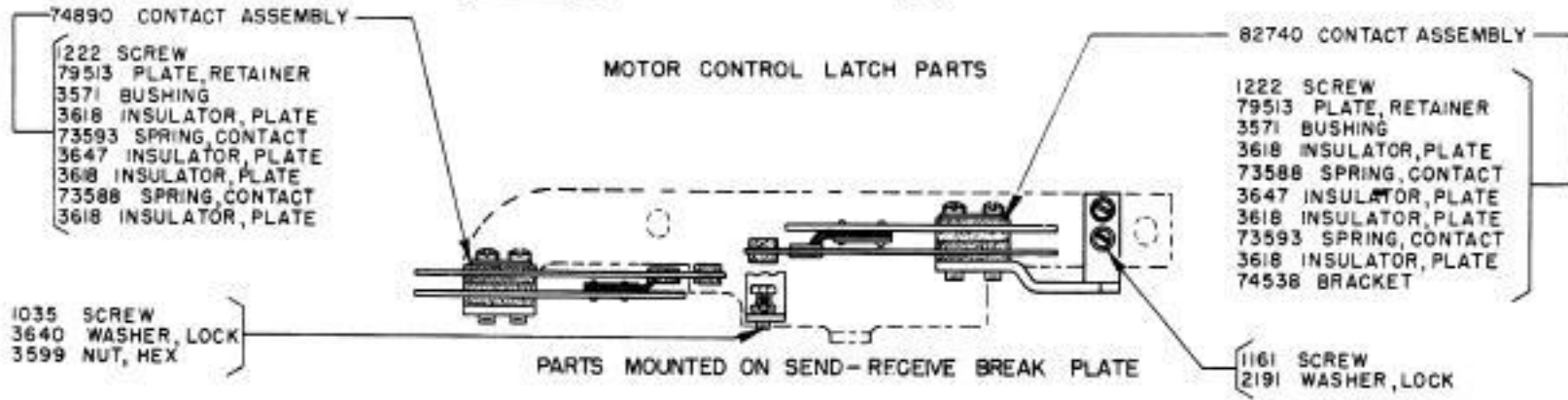
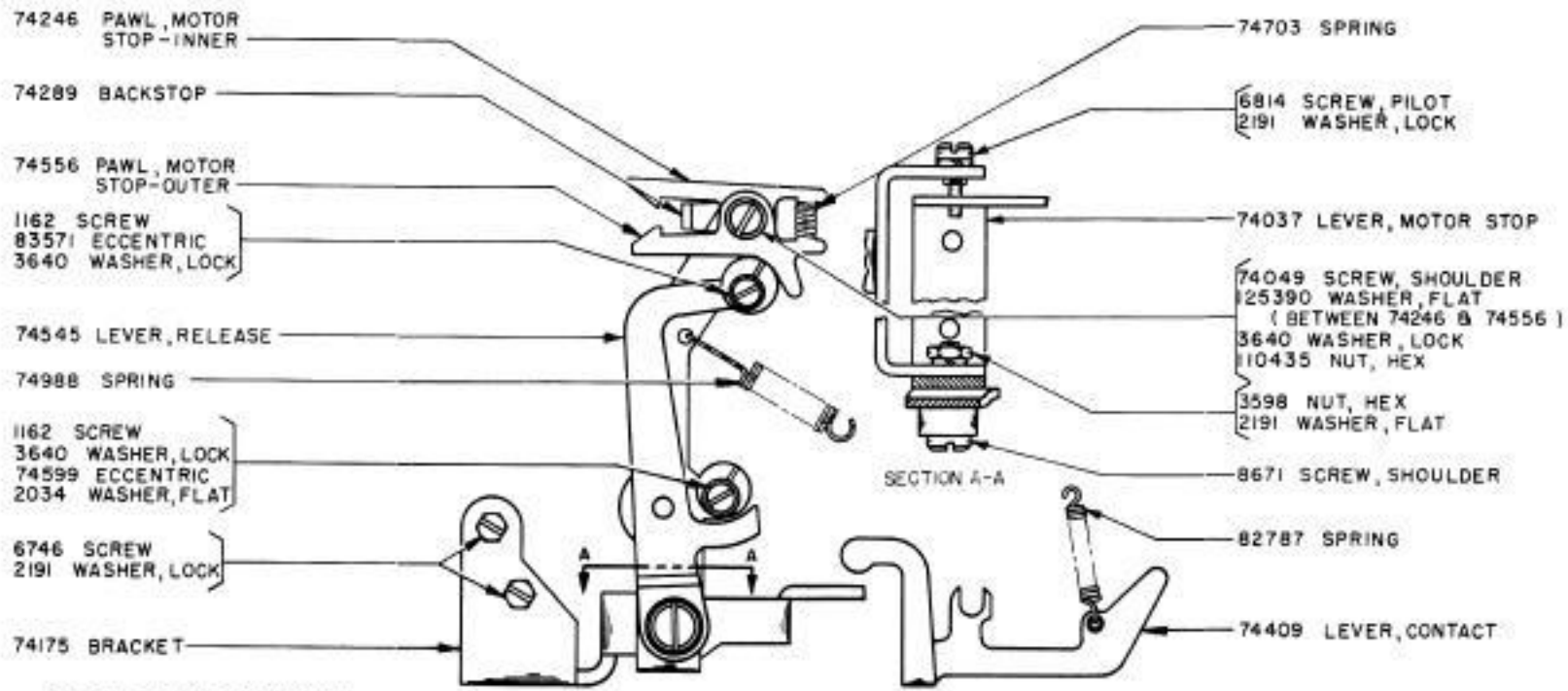
115709** COPYHOLDER ASSEMBLY - 12" (NEW STYLE)
 (BELL SYSTEM 15A**)
 SEE SEC.III,PAGE 2 FOR OLD STYLE



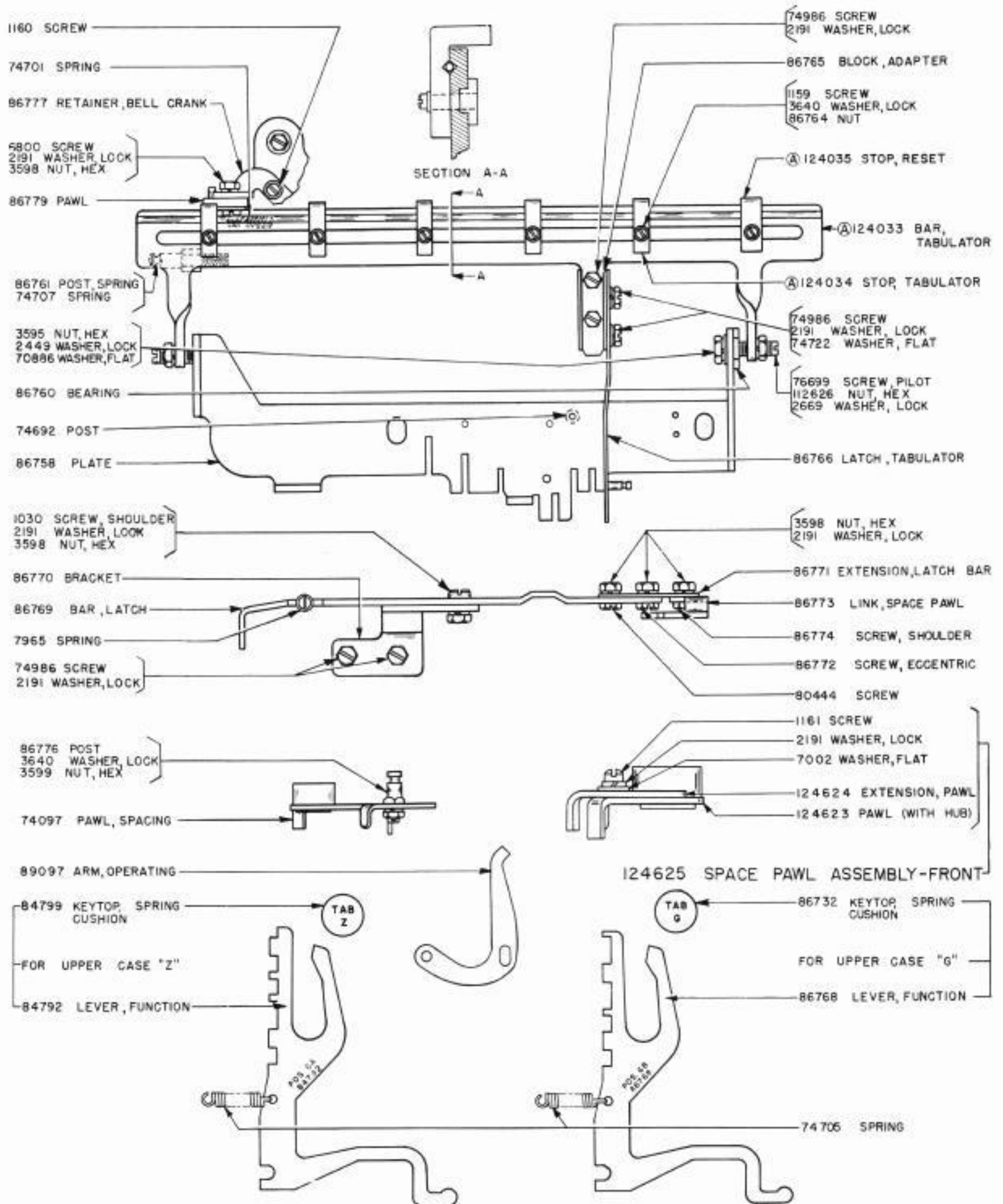
74624 BLANK GUIDE ASSEMBLY

** SEE SEC. IV , PAGE 4 FOR EXPLANATION

ORIGINAL



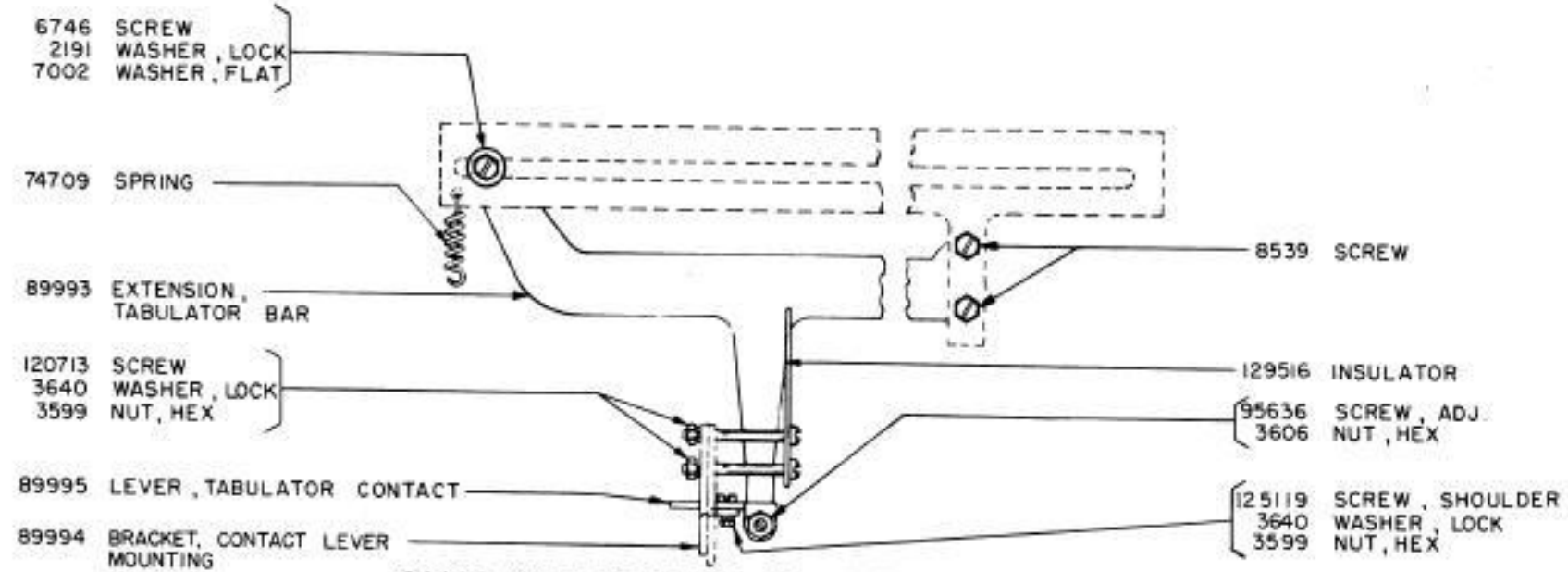
SET OF PARTS FOR MECHANICAL MOTOR CONTROL
 74764 FOR UPPER CASE "M"
 82742 FOR UPPER CASE "H"



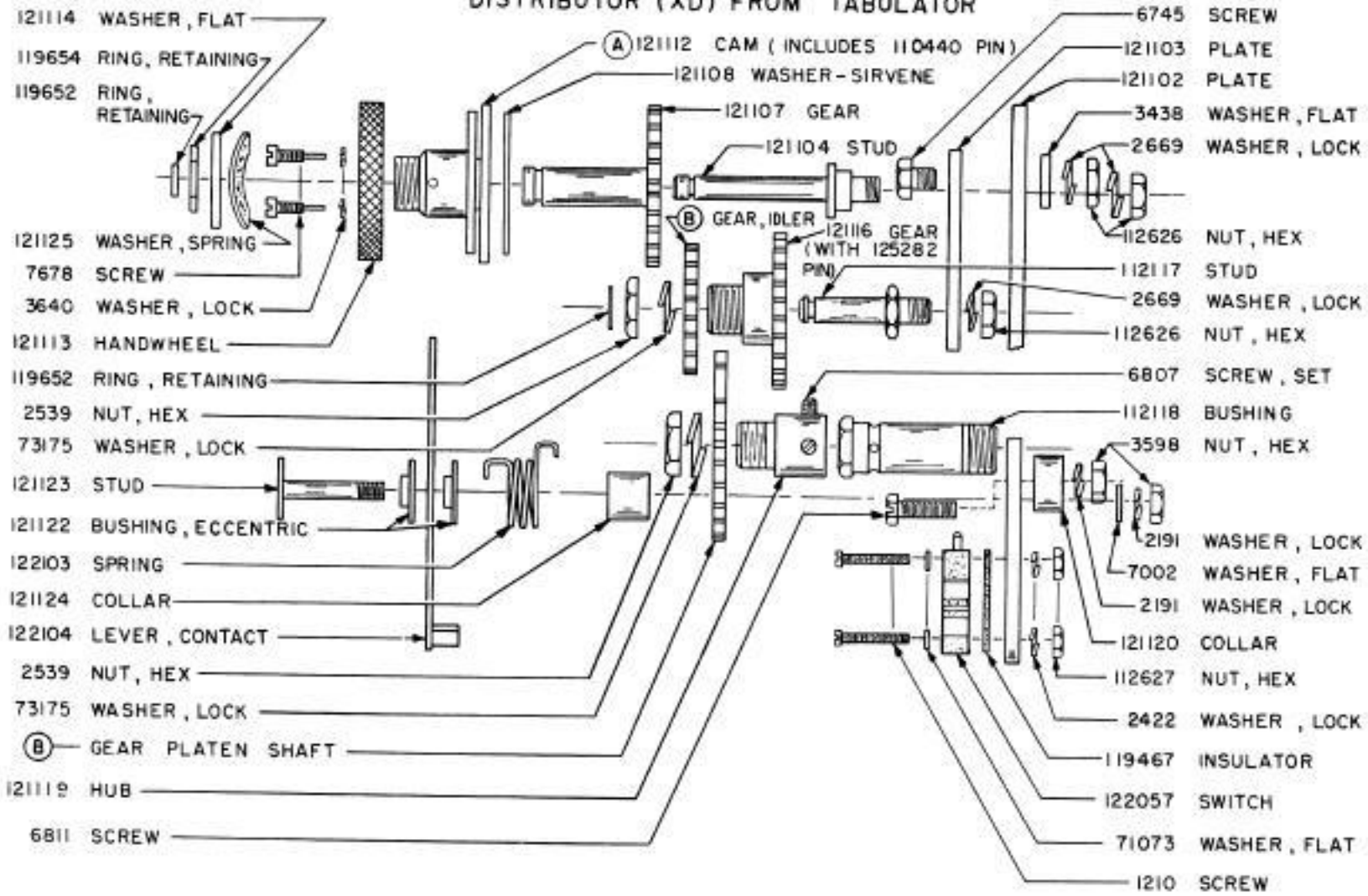
SET OF PARTS FOR HORIZONTAL TABULATOR

- 84925 FOR UPPER CASE "G"
- 87860 FOR UPPER CASE "Z"

(A) SEE SEC. IV FOR EXPLANATION



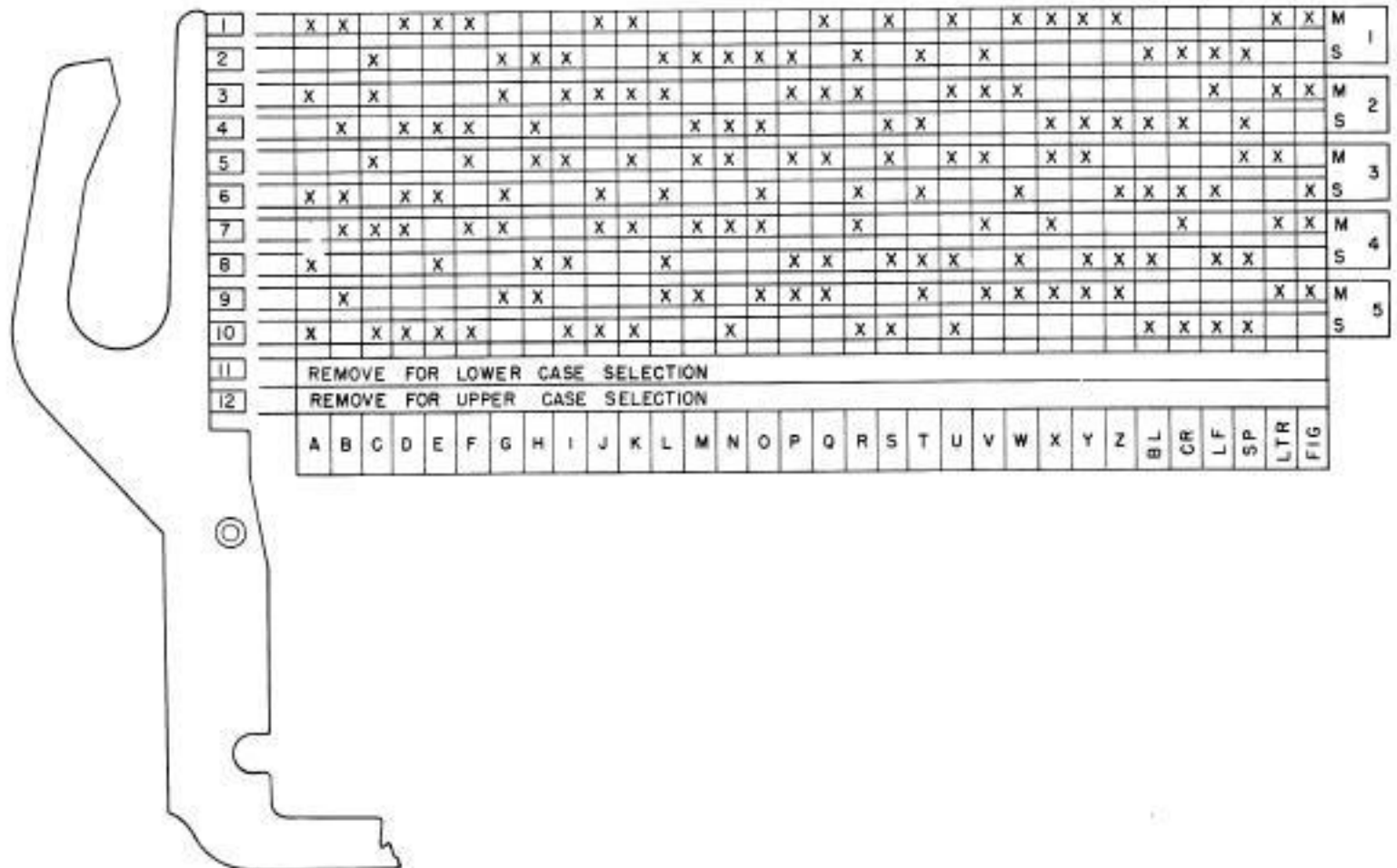
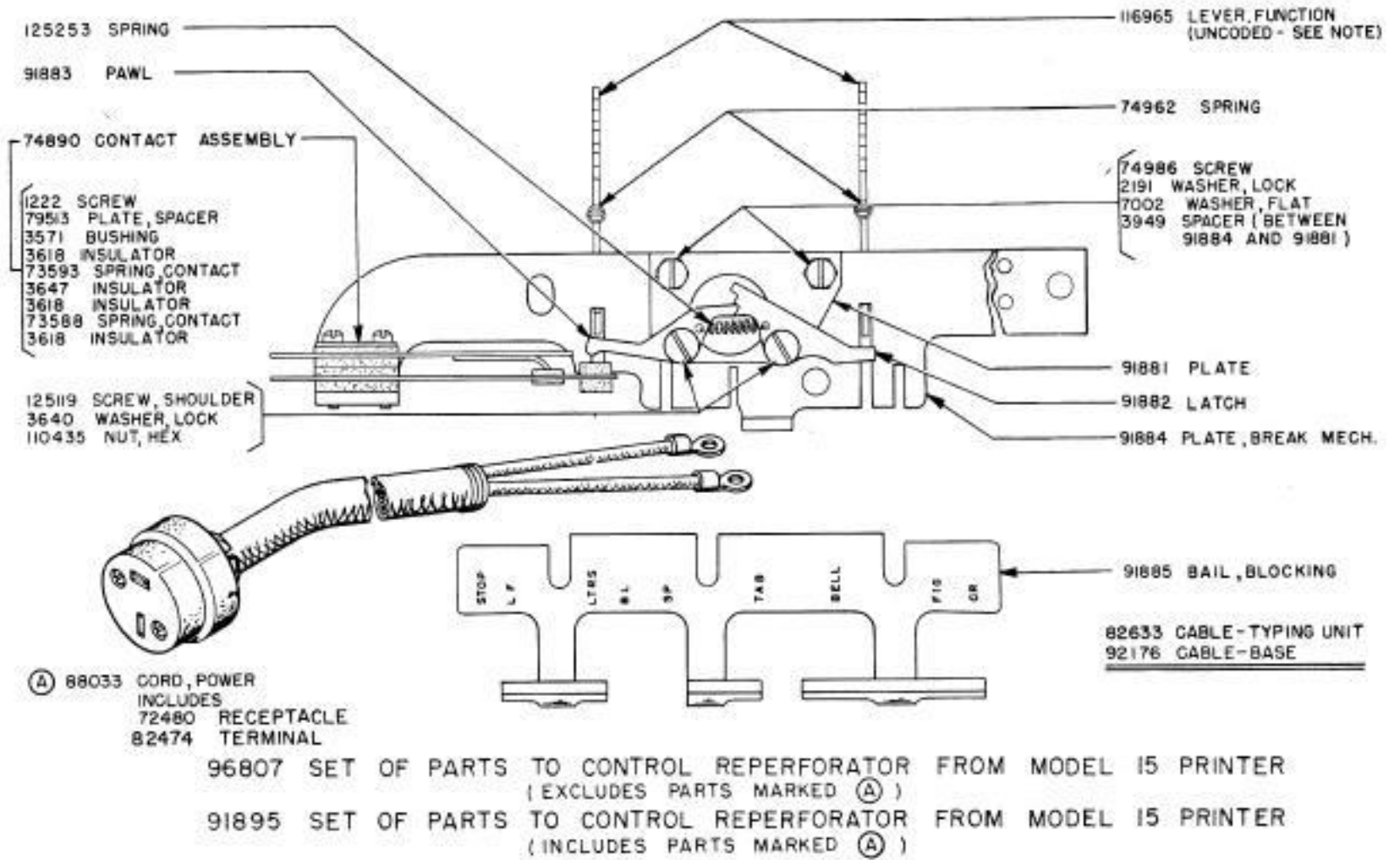
89992 SET OF PARTS TO CONTROL TRANSMITTER DISTRIBUTOR (XD) FROM TABULATOR



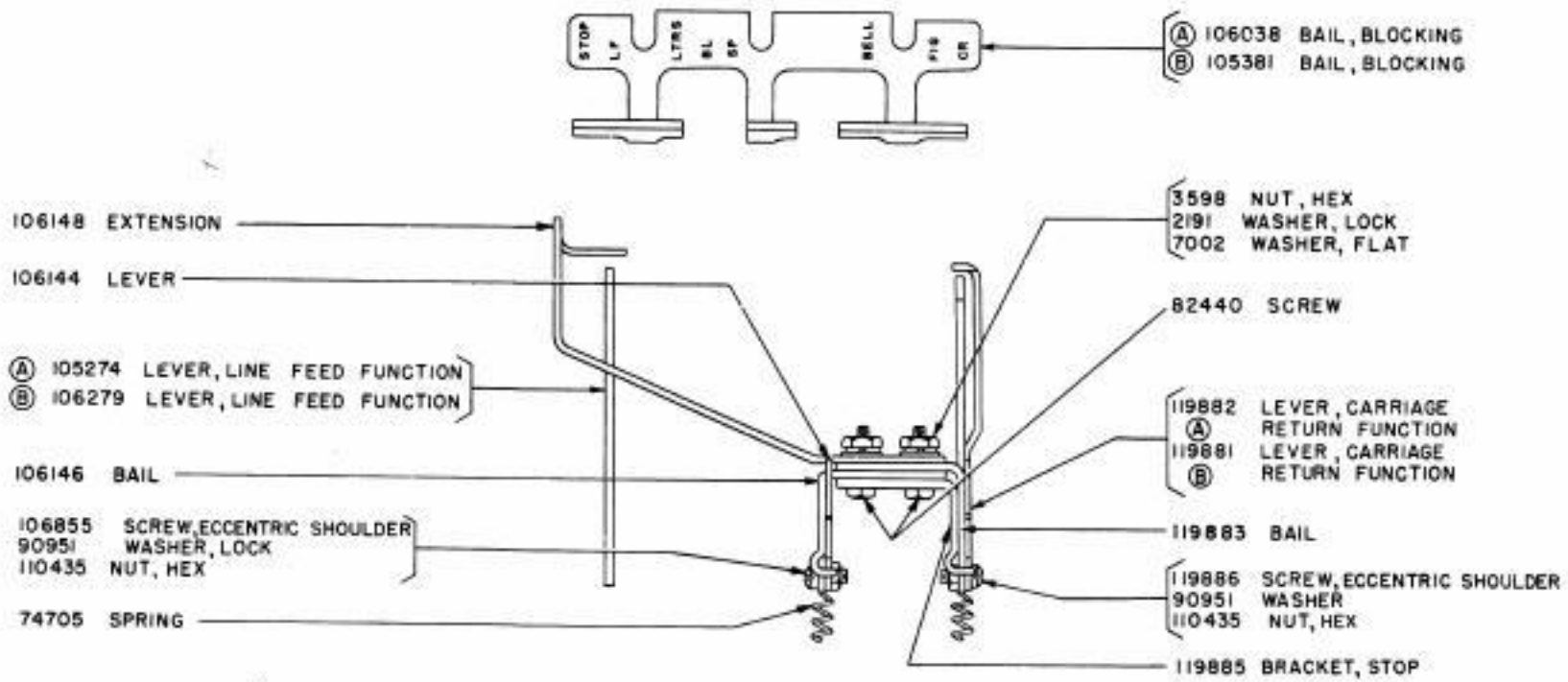
121130 SET OF PARTS TO PROVIDE PLATEN INDEXING FEATURE ON SPROCKET FEED PRINTER

(A) SEE SEC. IV FOR EXPLANATION

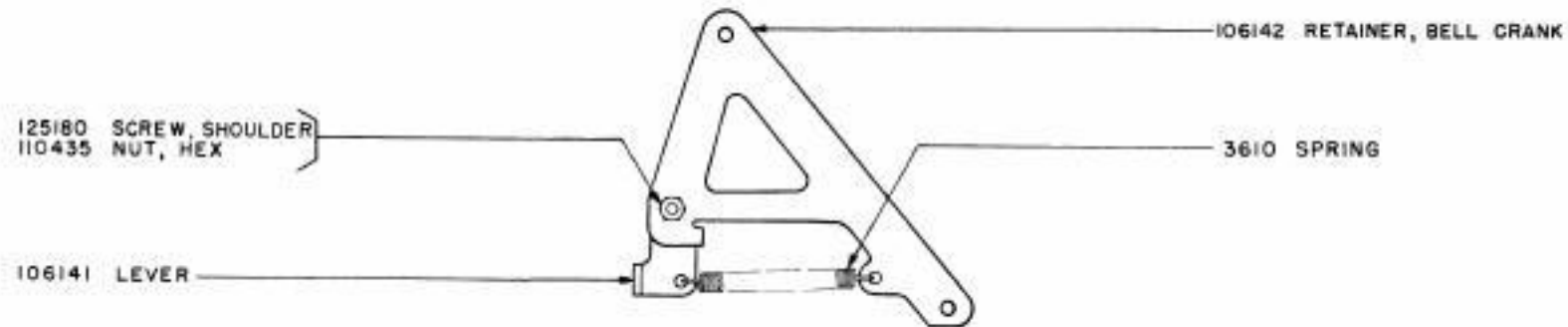
(B) SETS OF GEARS AVAILABLE FOR VARIOUS LENGTHS OF FORMS ARE LISTED IN SECTION IV AND MUST BE ORDERED SEPARATELY.



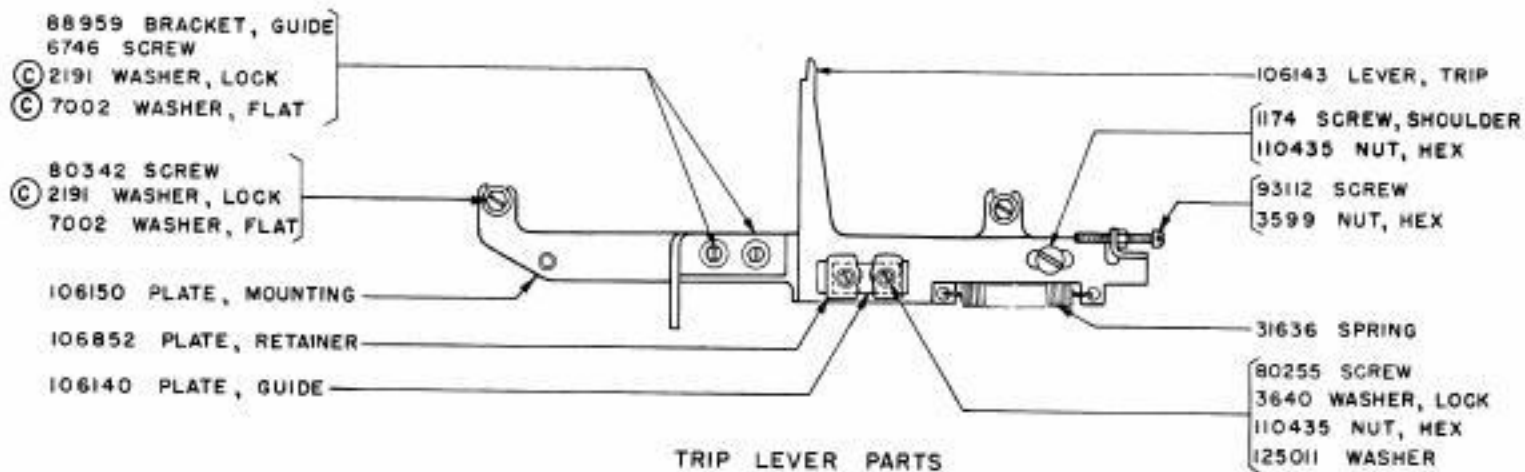
NOTE:
PLACE FUNCTION LEVER TO BE CODED ON ABOVE FIGURE NEXT TO THE CHARACTER ON WHICH OPERATION OF THE FUNCTION LEVER IS DESIRED, TAKING CARE THAT THE LUGS ARE ON THE CORRESPONDING LINES AS SHOWN IN THE FIGURE. MARK THE LUGS TO BE REMOVED AS INDICATED ON THE CHART WITH AN "X".
FOR OPERATION ON LOWER OR UPPER CASE, REMOVE LUG 11 OR 12 AS INDICATED. FOR OPERATION ON BOTH LOWER AND UPPER CASE, REMOVE LUGS 11 AND 12. THE FUNCTION LEVER SHOULD BE HELD SECURELY NEAR THE SCORE MARK, WHEN REMOVING THE LUGS, TO PREVENT DISTORTION OF THE LEVER.



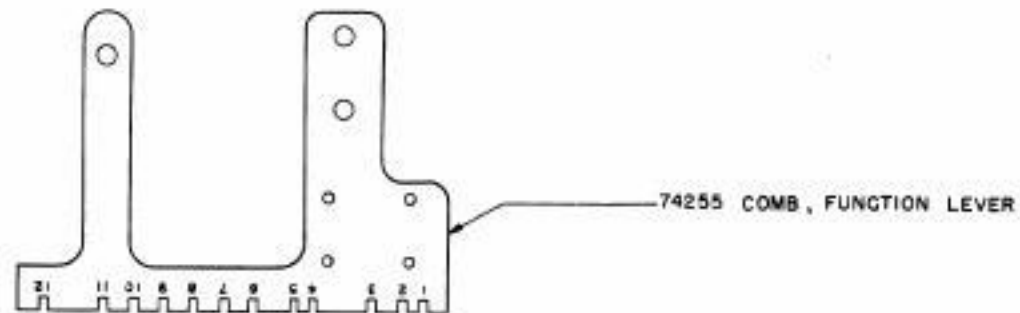
BAIL AND FUNCTION LEVER PARTS



BELL CRANK RETAINER PARTS

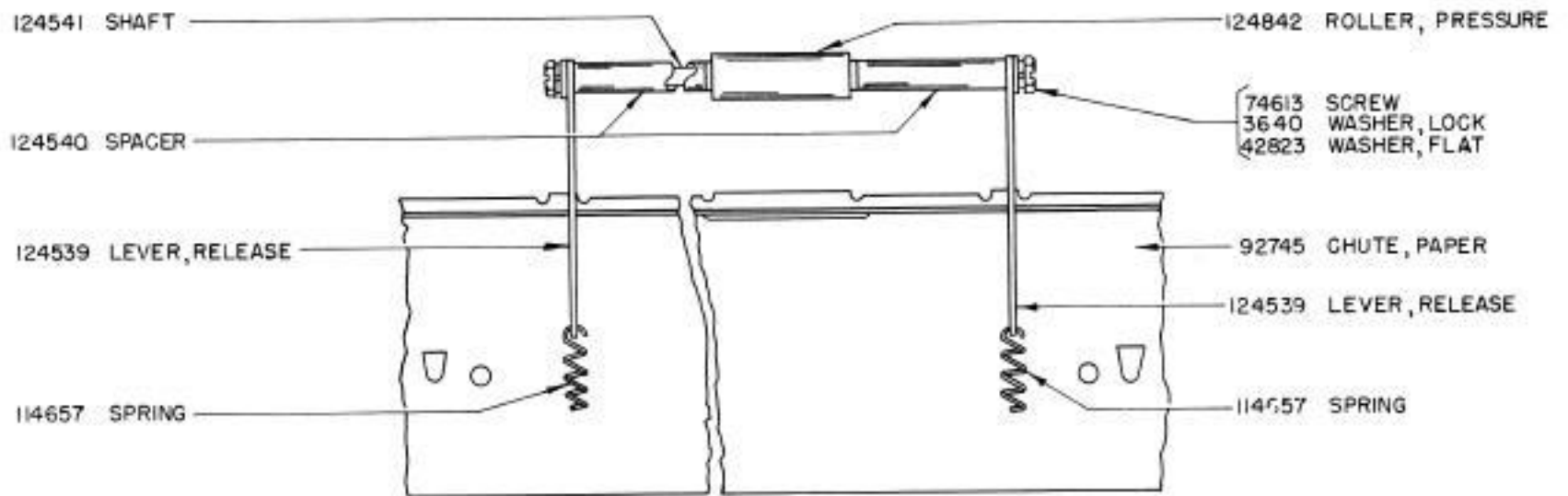


TRIP LEVER PARTS

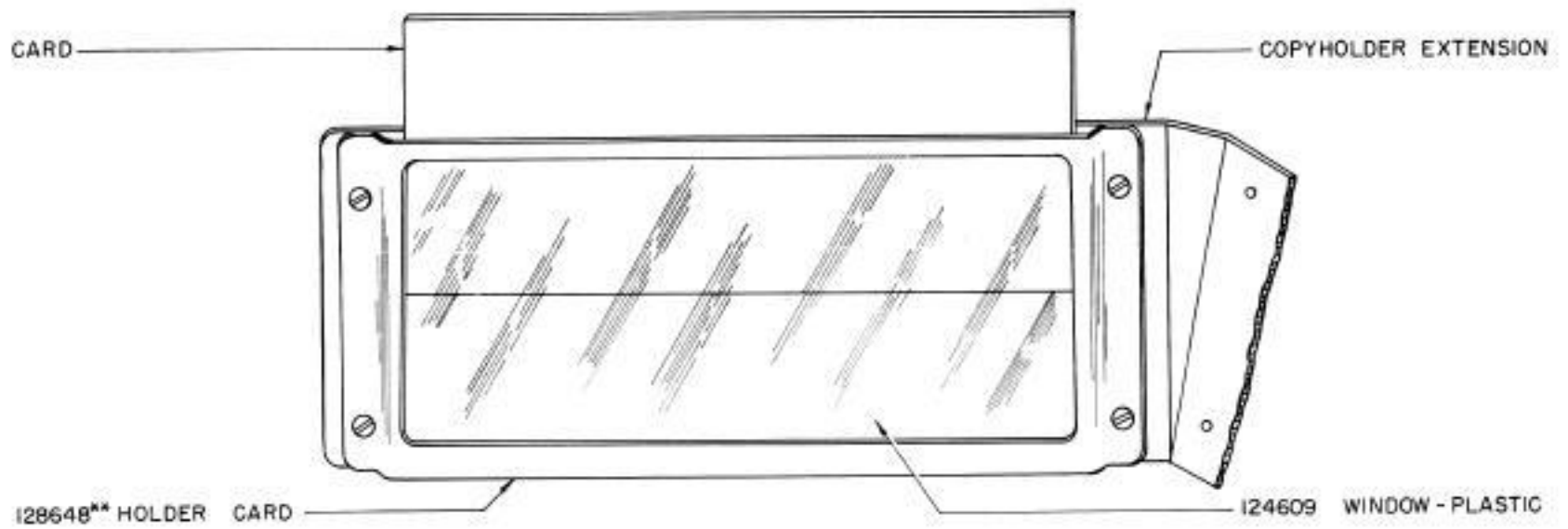


AUTOMATIC CARRIAGE RETURN AND LINE FEED PARTS

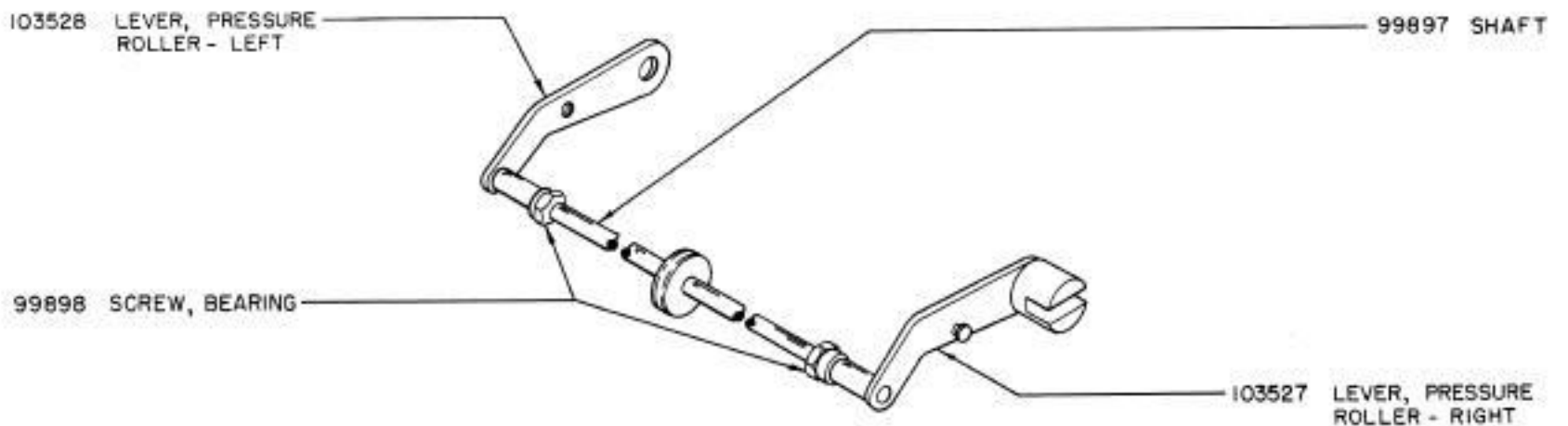
115751 SET OF PARTS FOR COMMUNICATION SERVICE
 OPERATES IN LETTERS & FIGURES POSITIONS - EXCLUDES PARTS MARKED (B) & (C)
 115752 SET OF PARTS FOR WEATHER SERVICE
 OPERATES IN LETTERS POSITION ONLY - EXCLUDES PARTS MARKED (A) & (C)



(A) 115790 SET OF PARTS TO PROVIDE A SINGLE PRESSURE ROLLER ON THE PLATEN

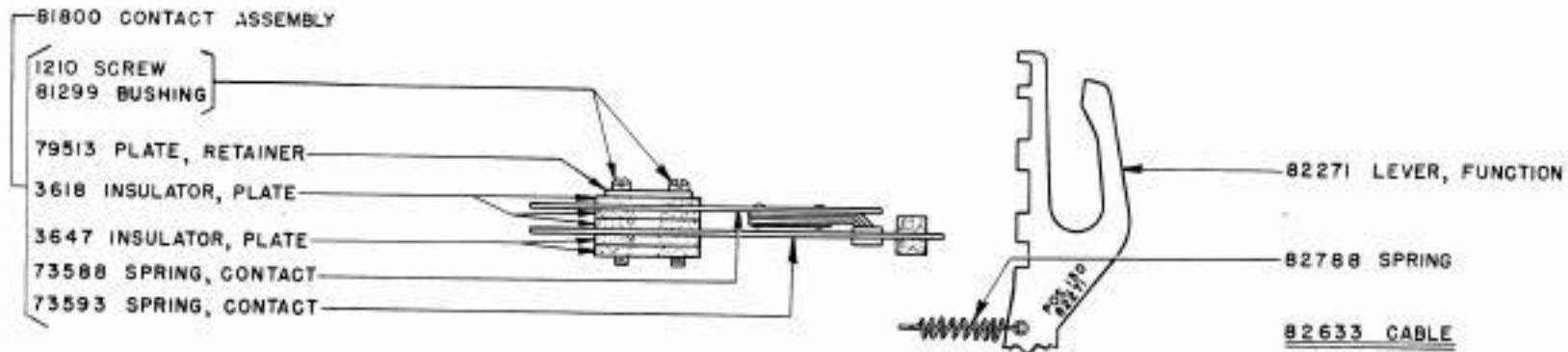


124608** SET OF PARTS FOR INSTRUCTION CARD HOLDER
(ACCOMODATES A CARD 3 1/2" WIDE BY 8 1/2" LONG)

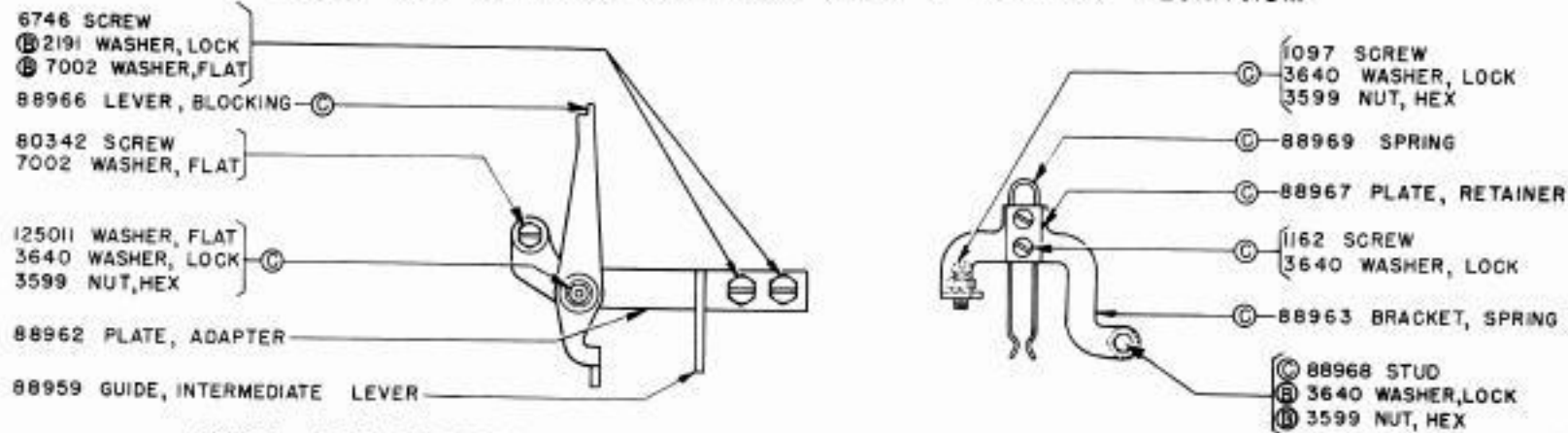


113699 PAPER GUIDE ROLLER SHAFT ASSEMBLY
(REQUIRED FOR SPROCKET FEED PRINTERS EQUIPPED WITH TWO-COLOR PRINTING)

(A) SEE SEC. IX FOR EXPLANATION
**SEE SEC. IX, PAGE 4 FOR EXPLANATION

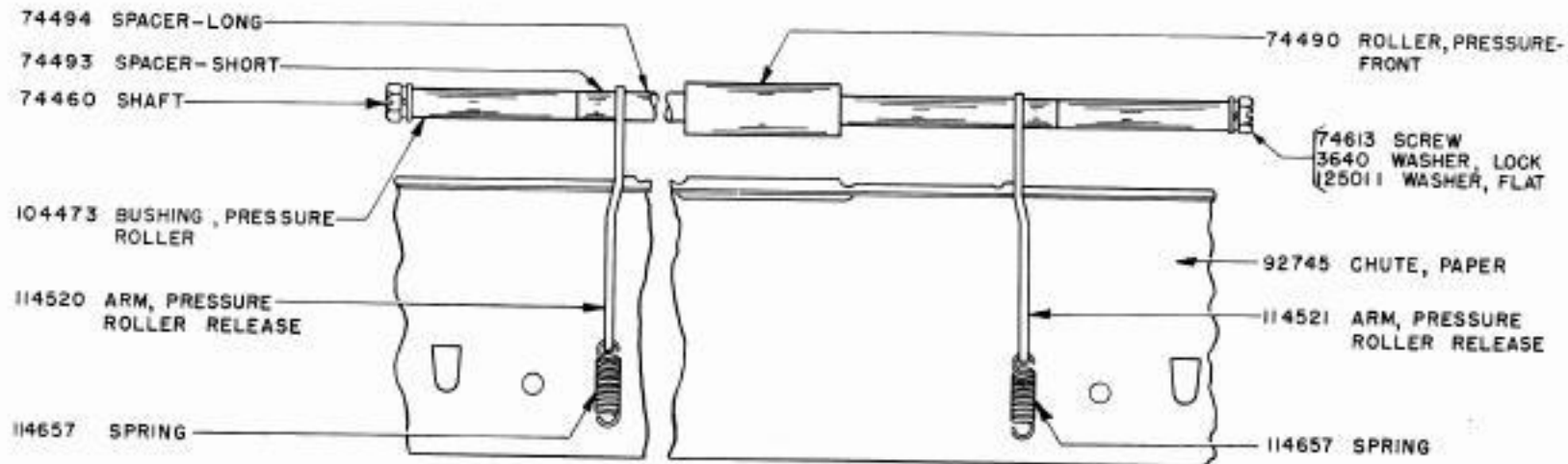


87868 SET OF PARTS FOR UPPER CASE "H" CONTACT MECHANISM

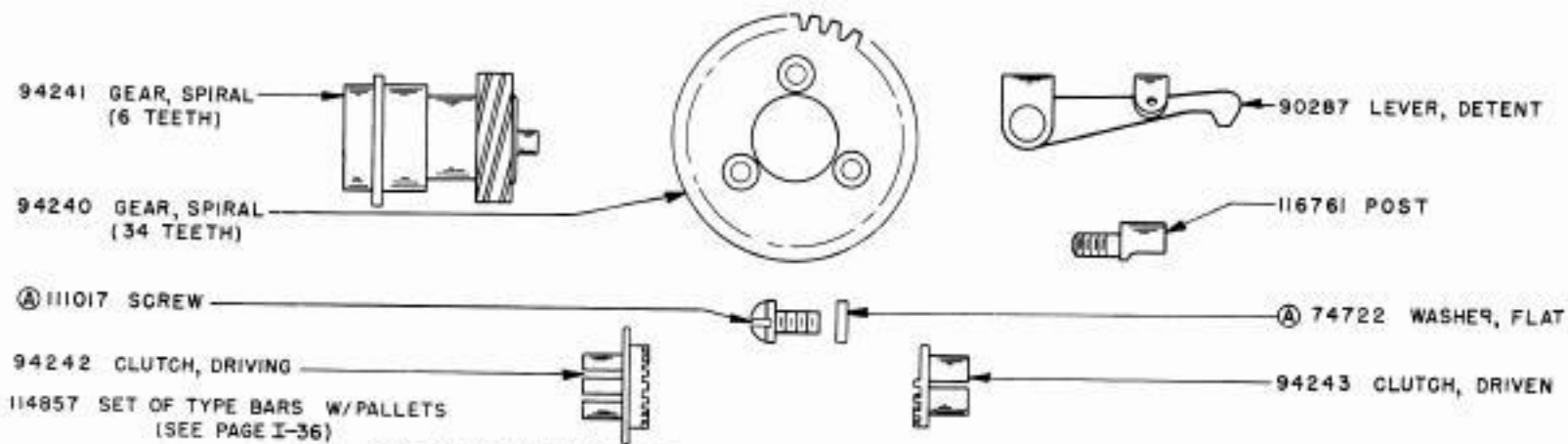


87403 SET OF PARTS TO ADAPT A MECHANICAL OR ELECTRICAL MOTOR CONTROL MECHANISM TO OPERATE ON SHIFT-BLANK-STOP (EXCLUDES PARTS MARKED (B))

106039 SET OF PARTS (SAME AS ABOVE) FOR PRINTERS EQUIPPED WITH THE AUTOMATIC CARRIAGE RETURN AND LINE FEED MECHANISM (CONSISTS OF PARTS MARKED (C))

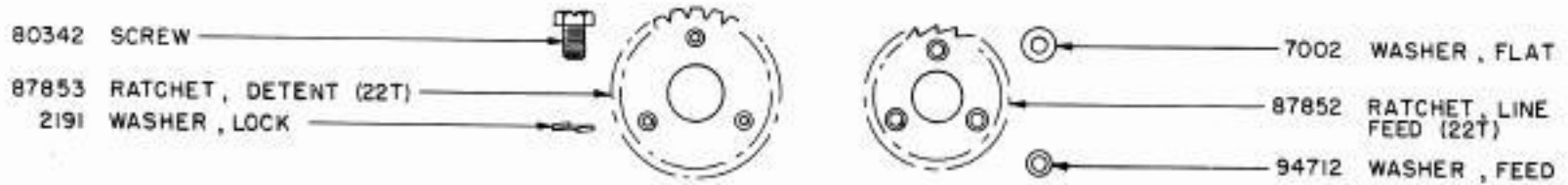


SINGLE PRESSURE ROLLER PARTS

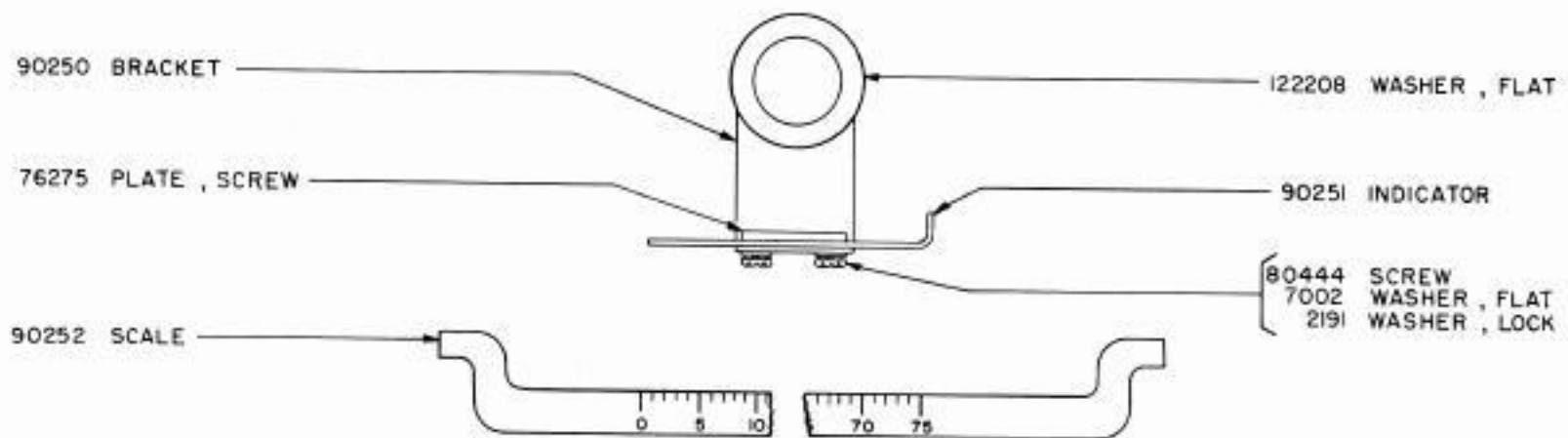


113763 SIX CHARACTERS PER INCH PARTS (HORIZONTALLY)

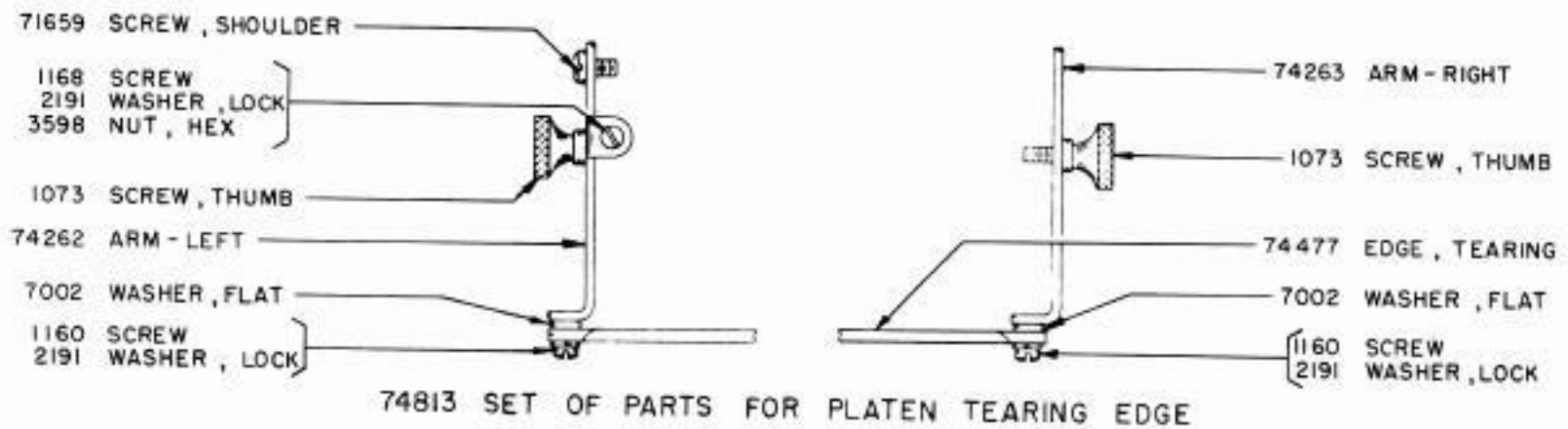
(A) SEE SEC. IV FOR EXPLANATION



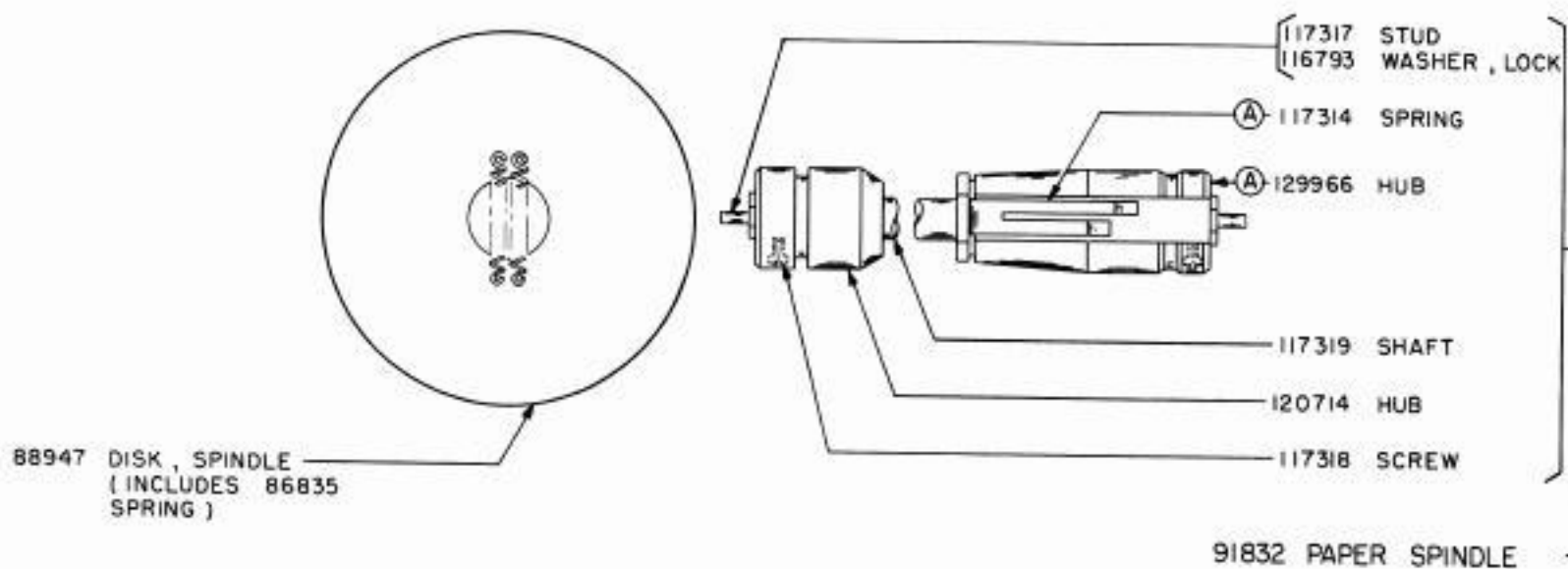
87692 SET OF PARTS FOR FEEDING FOUR LINES PER INCH



90249 SET OF PARTS FOR TABULATOR INDICATION



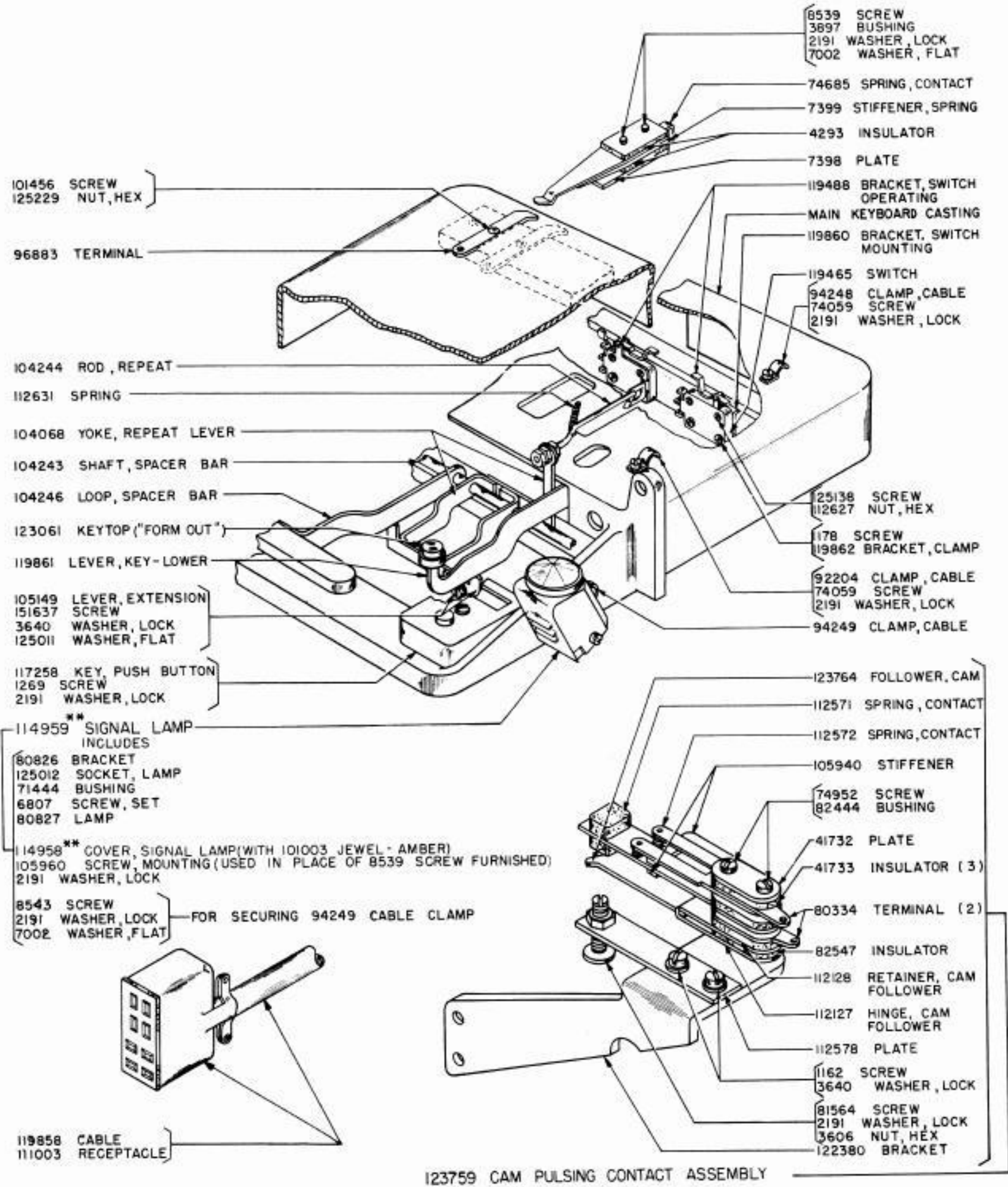
74813 SET OF PARTS FOR PLATEN TEARING EDGE



SPINDLE AND DISKS FOR USE WITH MULTI-COPY PAPER

(A) SEE SEC. IV FOR EXPLANATION

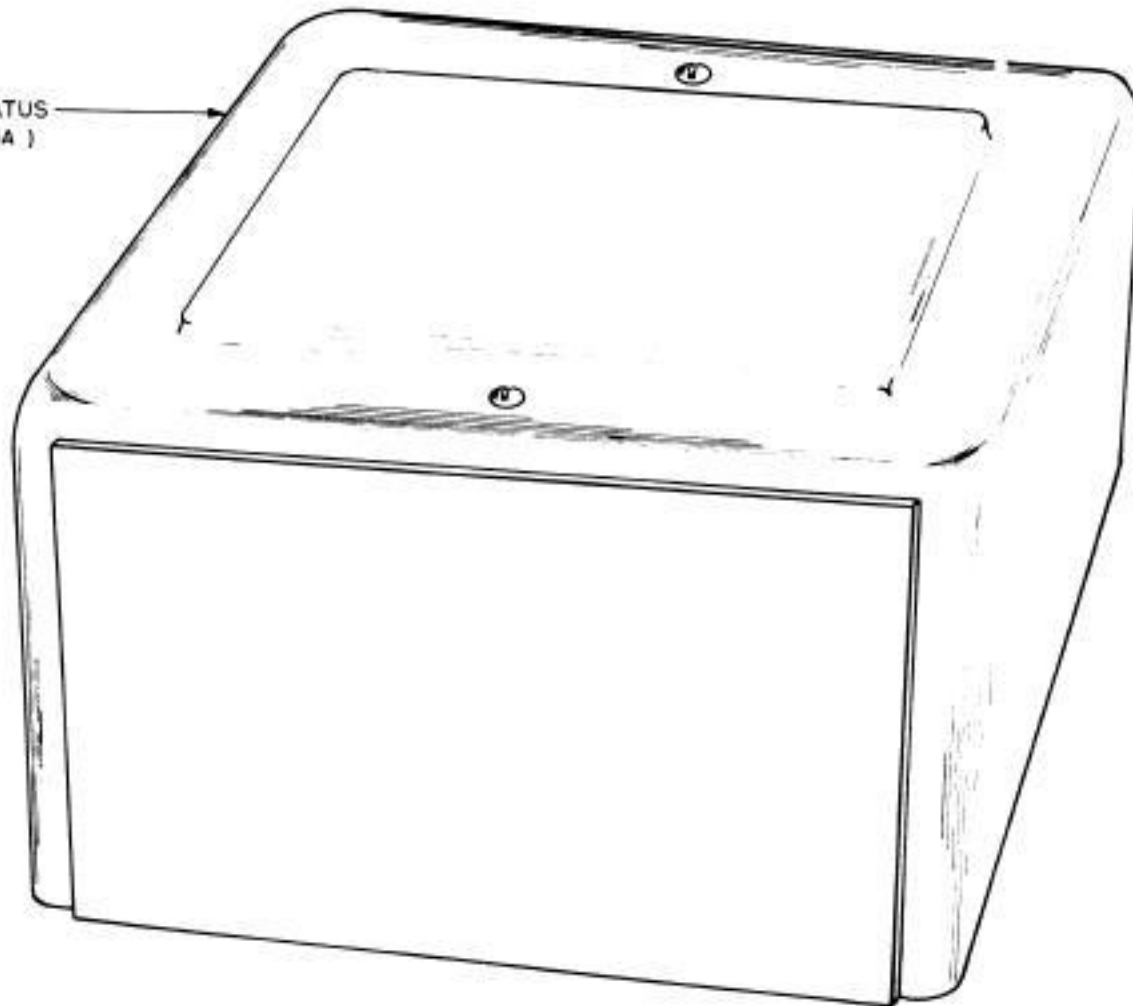
ORIGINAL



**SEE SEC. IV, PAGE 4 FOR EXPLANATION

- 123745 SET OF PARTS FOR LINE FEED COUNTING
- 123743 LINE FEED COUNTER ASSEMBLY (SHOWN ABOVE)
- 123744 ACCESSORY BOX (SHOWN ON PAGE I-59)

123756 BOX, APPARATUS
(W.E. CO. 105A)



123760 SELECTOR
(W.E. CO. 206CJ)

123763 MOUNTING, APPARATUS
(W.E. CO. 5B)

125170 SCREW
3646 WASHER, LOCK

123761 BANK, CONTACT
(W.E. CO. 26A)

101470 PLUG

8543 SCREW
2191 WASHER, LOCK

93636 RESISTOR (100 OHMS)
1297 SCREW
3646 WASHER, LOCK
3438 WASHER, FLAT
83355 WASHER - FIBER

123765 CABLE (2707WD)

ENLARGED VIEW OF
CONTACT ASSEMBLY
(PART OF 123760 SELECTOR)

123758 CAPACITOR - 1 MF.

123762 MOUNTING, APPARATUS
(W.E. CO. 5A)

1026 SCREW
2191 WASHER, LOCK
7002 WASHER, FLAT

115299 STRIP, TERMINAL

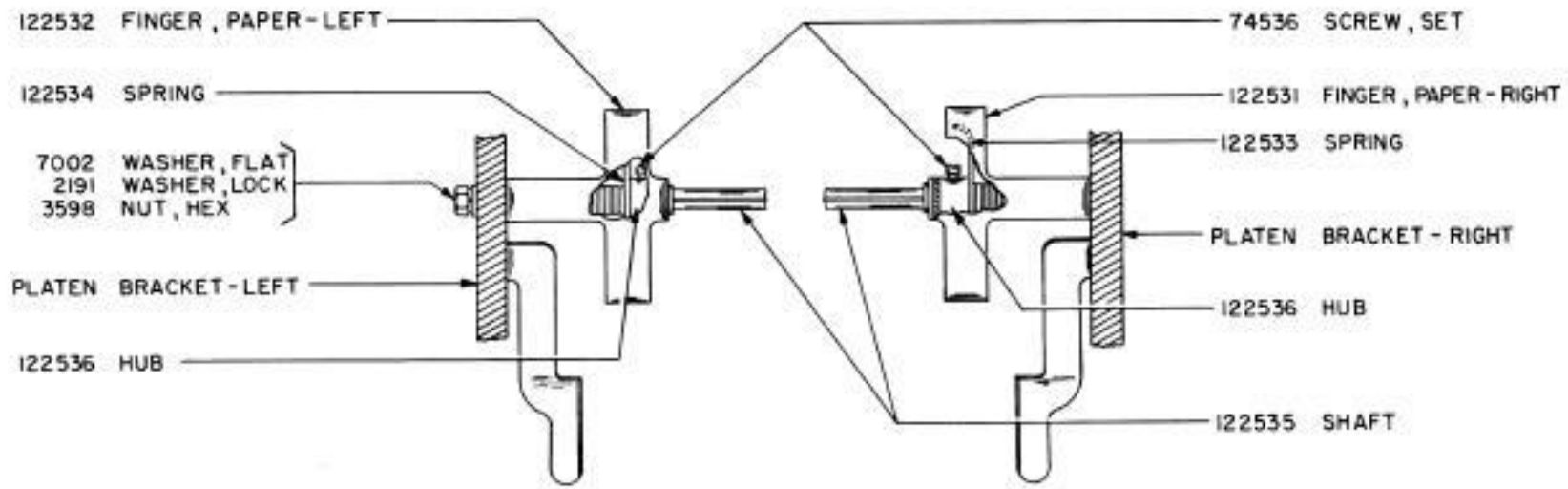
1043 SCREW
2669 WASHER, LOCK

4851 TERMINAL

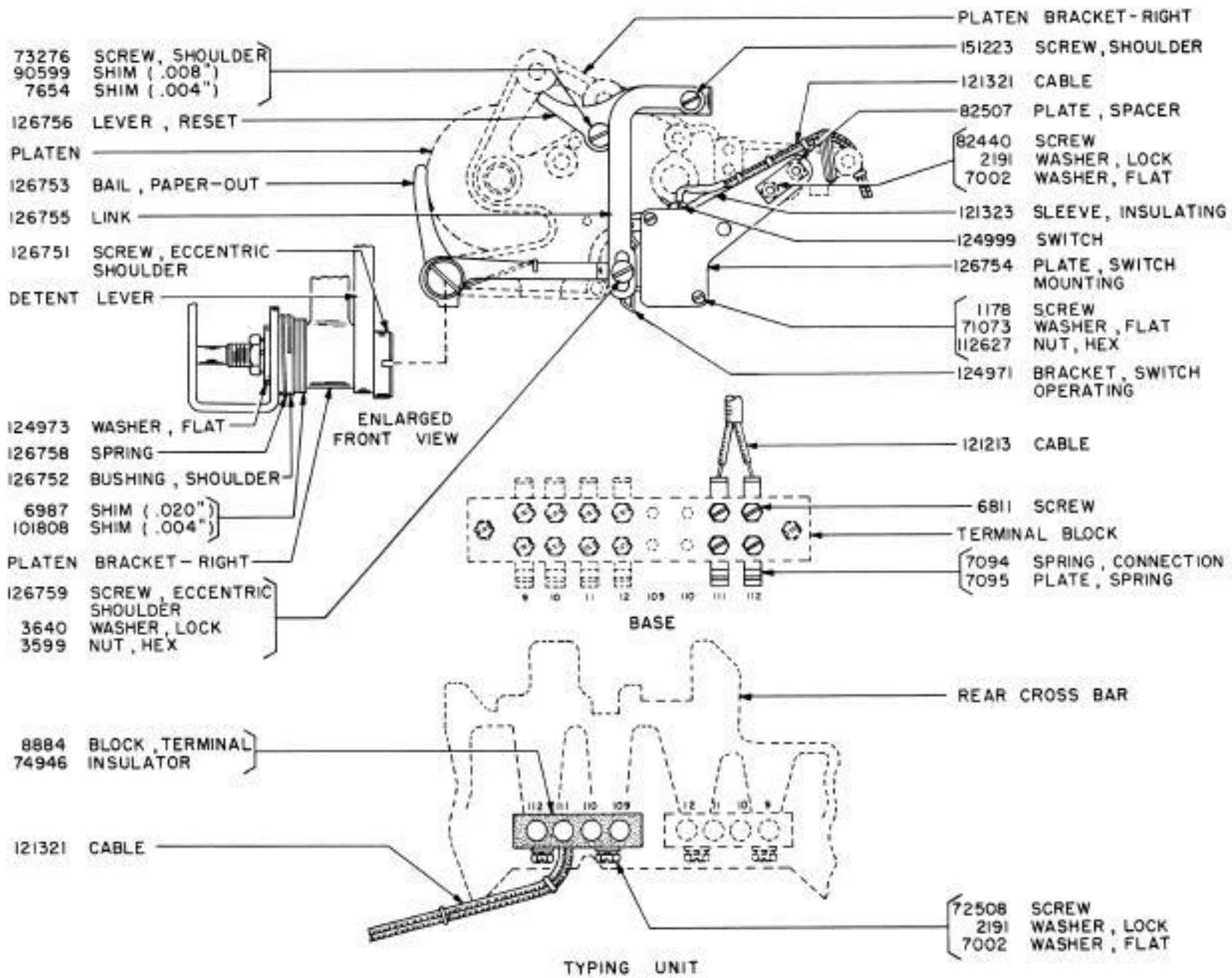
120122 RESISTOR (330 OHMS)

123757 BRACKET, MOUNTING

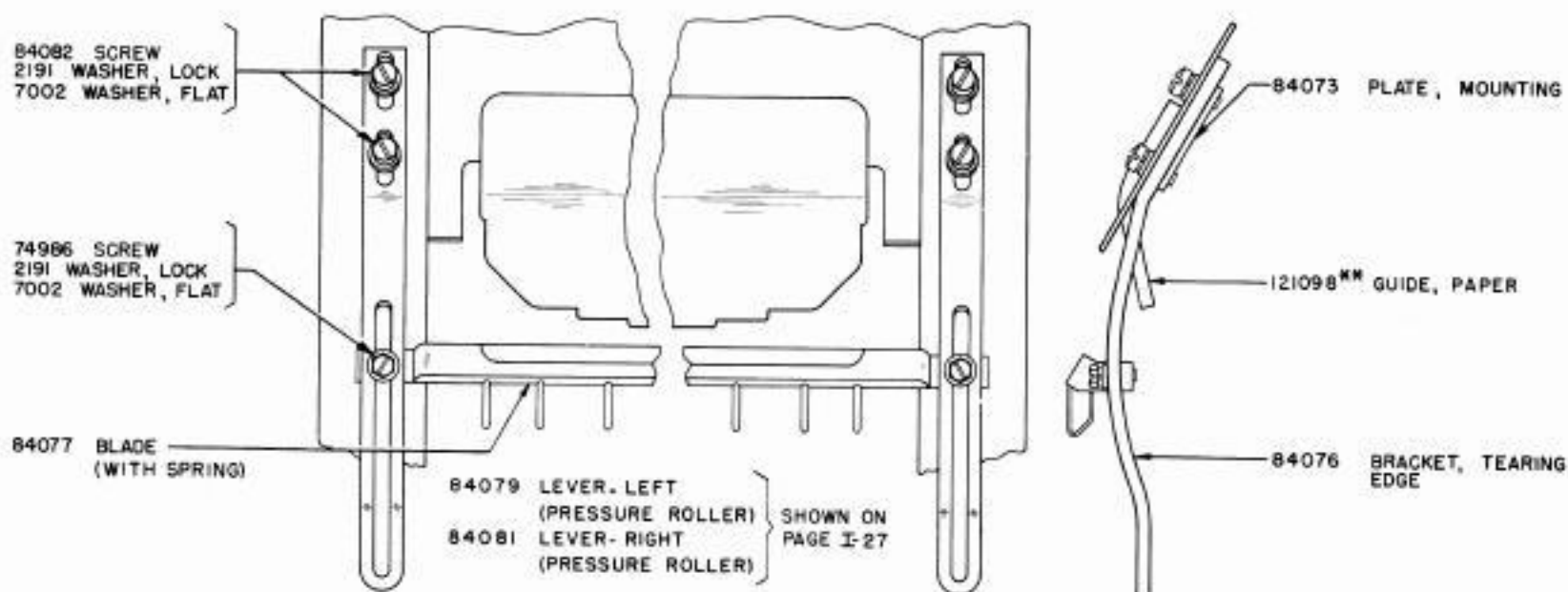
123744 ACCESSORY BOX
PART OF 123745 SET OF PARTS FOR LINE FEED COUNTING



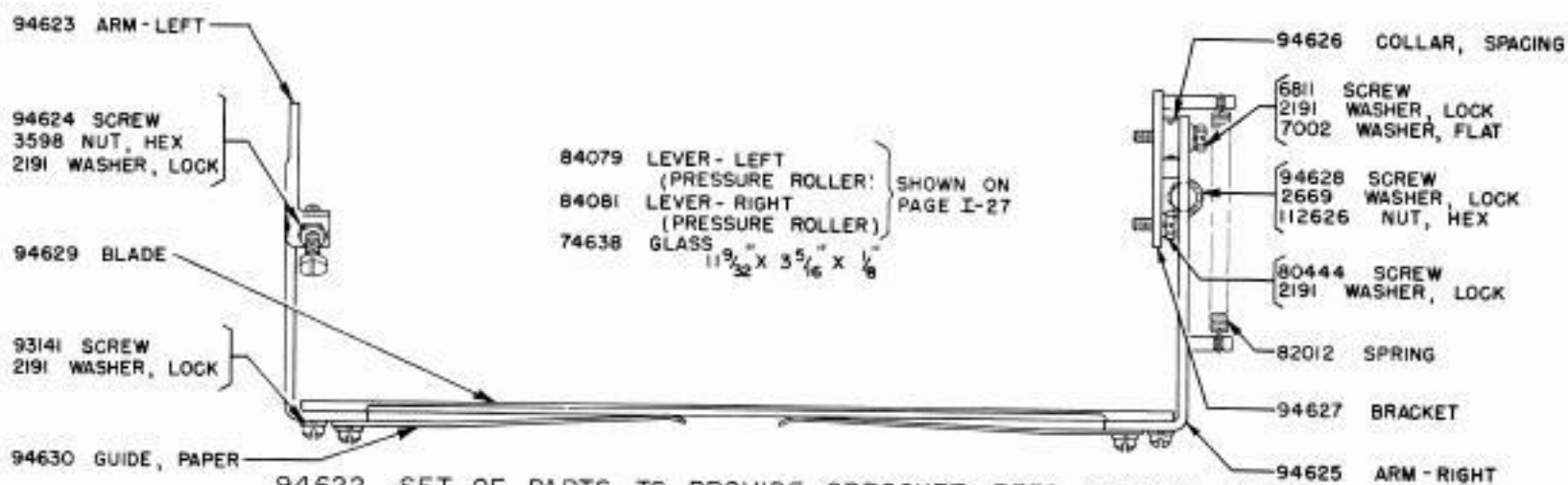
113675 SET OF PARTS FOR INDEPENDENTLY OPERATED PAPER FINGERS



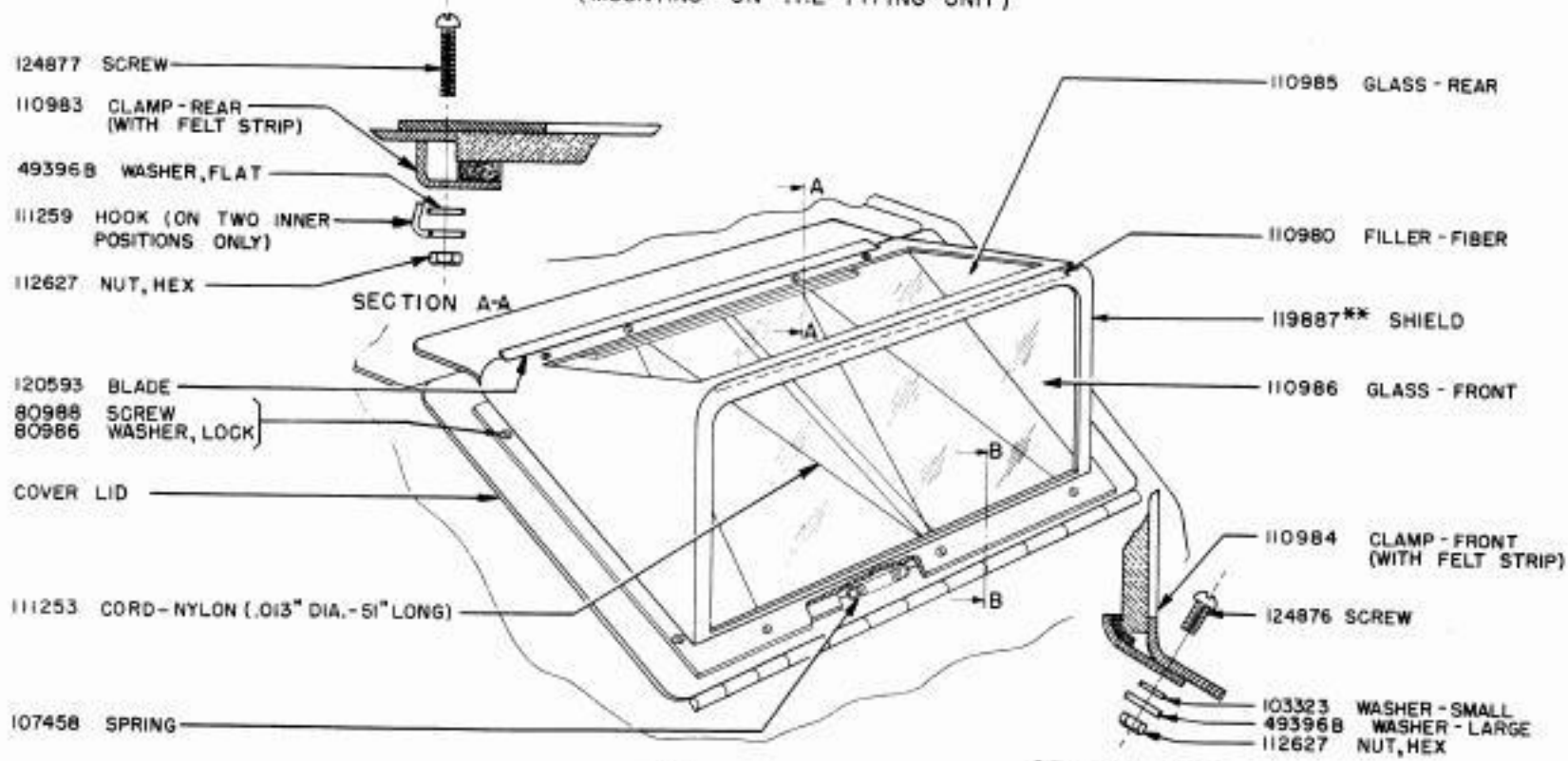
115847 SET OF PARTS TO PROVIDE END-OF-LAST-FORM INDICATING MECHANISM (MOUNTED ON THE TYPING UNIT)



115769** SET OF PARTS TO PROVIDE SPROCKET FEED TEARING EDGE
(MOUNTED ON THE COVER)

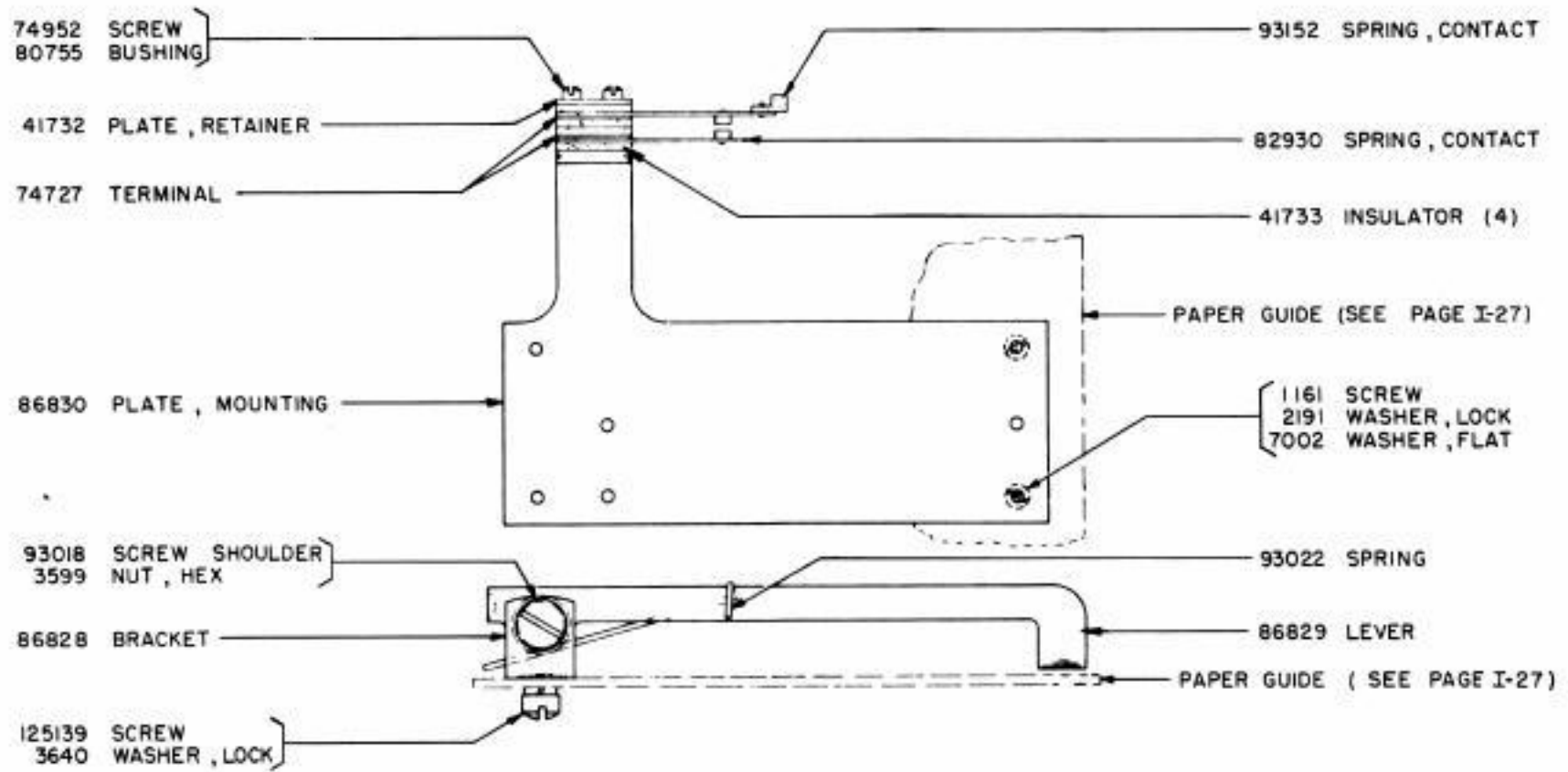


94622 SET OF PARTS TO PROVIDE SPROCKET FEED TEARING EDGE
(MOUNTING ON THE TYPING UNIT)

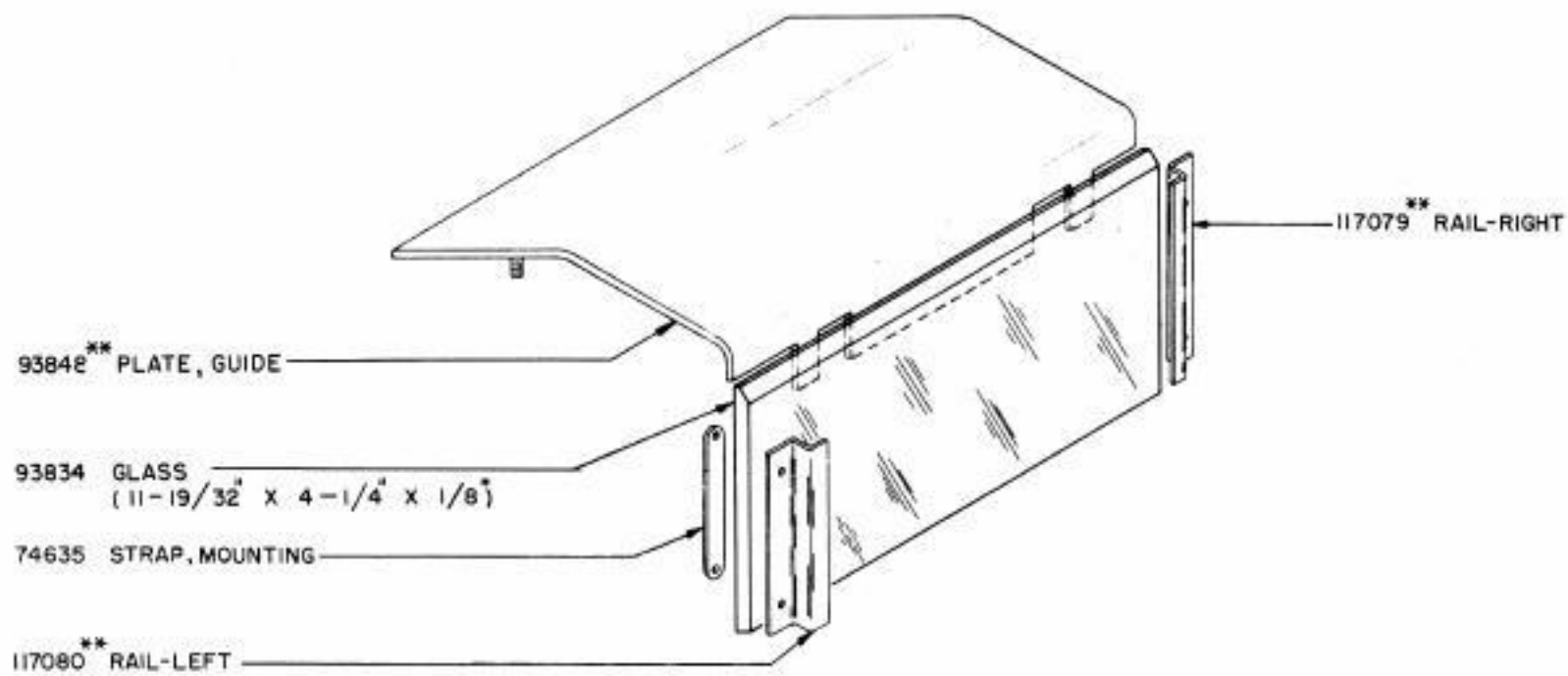


115740** GLARE SHIELD ASSEMBLY

**SEE SEC. IX, PAGE 4 FOR EXPLANATION

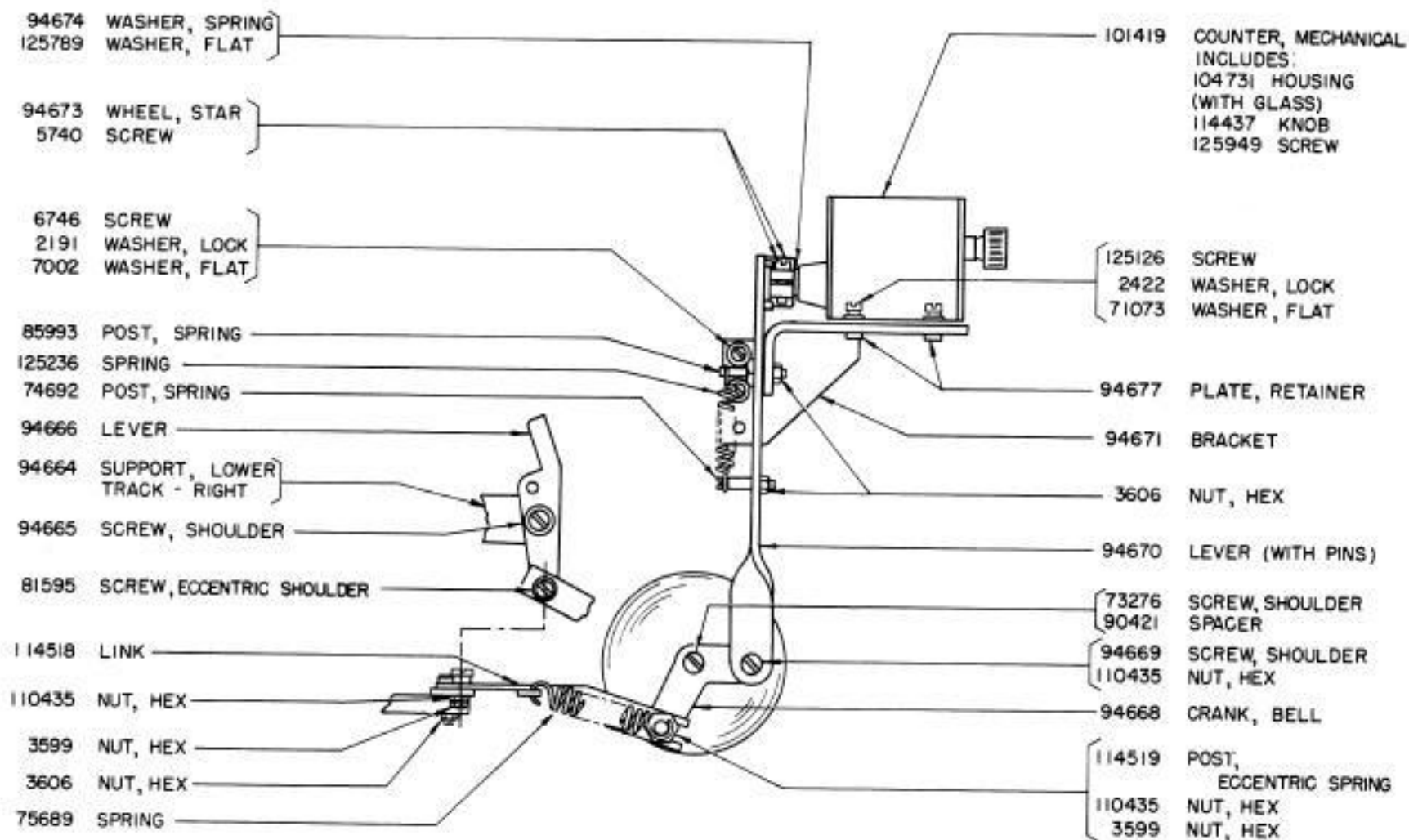


95201 SET OF PARTS TO PROVIDE END-OF-LAST-FORM INDICATING MECHANISM
(MOUNTED ON THE COVER)

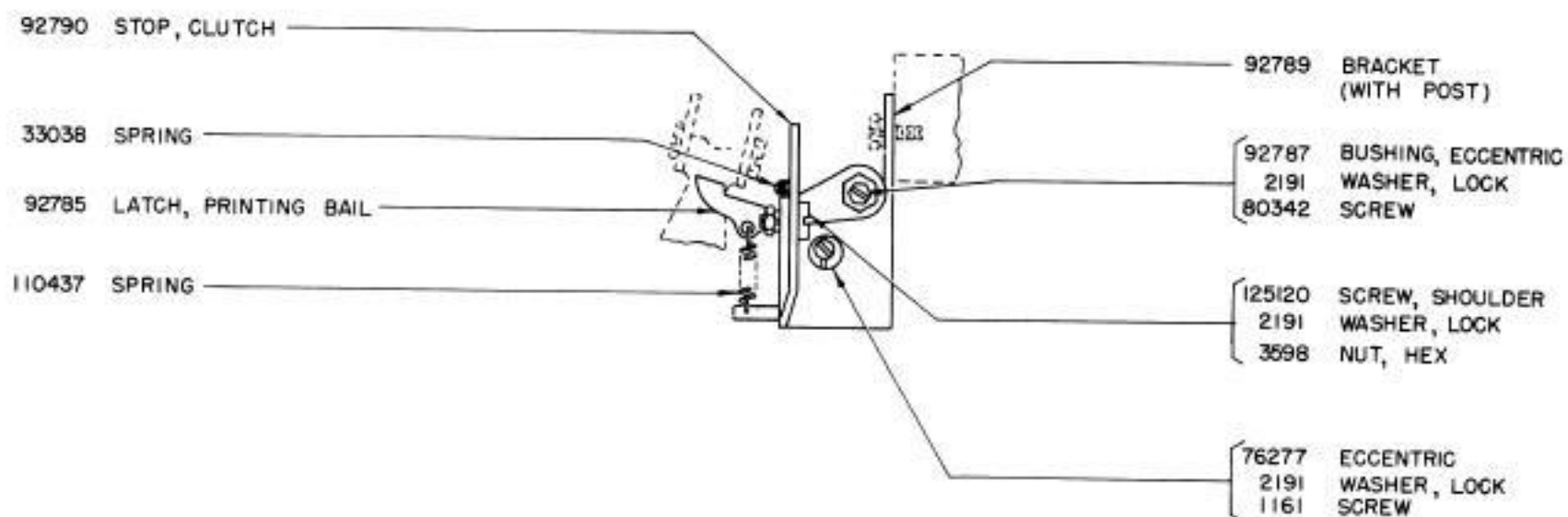


113790** PAPER GUIDE PLATE AND COVER GLASS TO PROVIDE TEAR-OFF
EDGE FOR SHORT FORMS

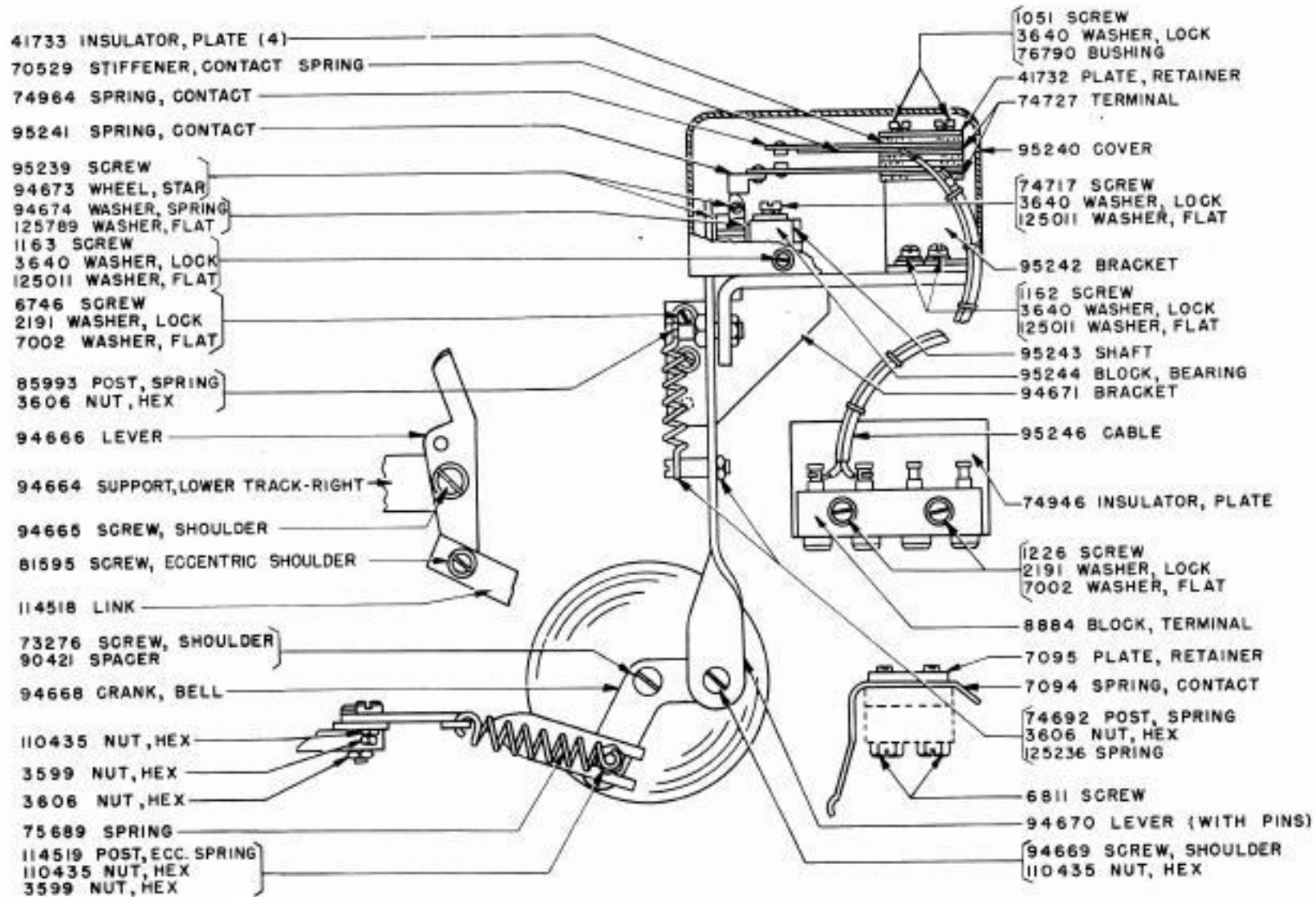
** SEE SEC. IV, PAGE 4 FOR EXPLANATION



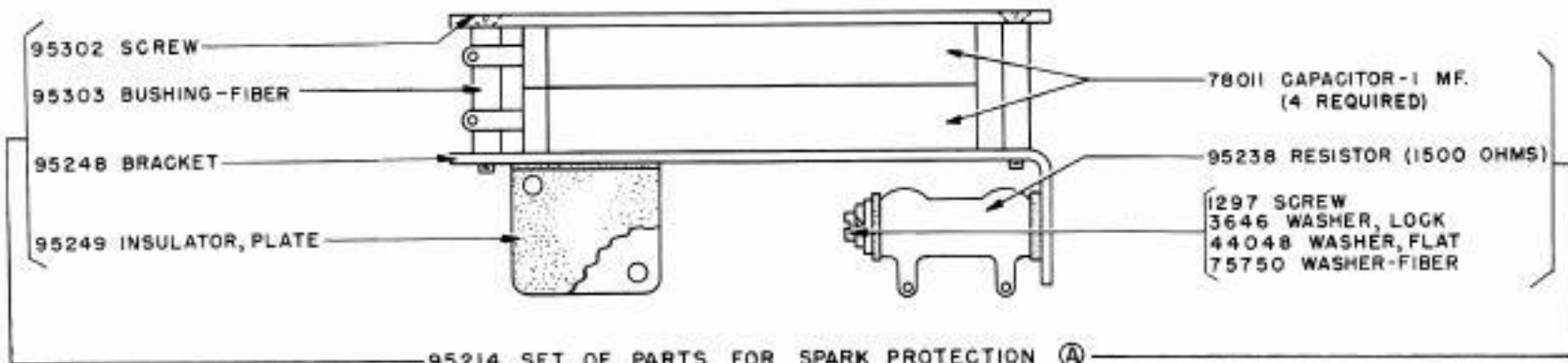
94663 SET OF PARTS FOR MECHANICAL WORD COUNTER



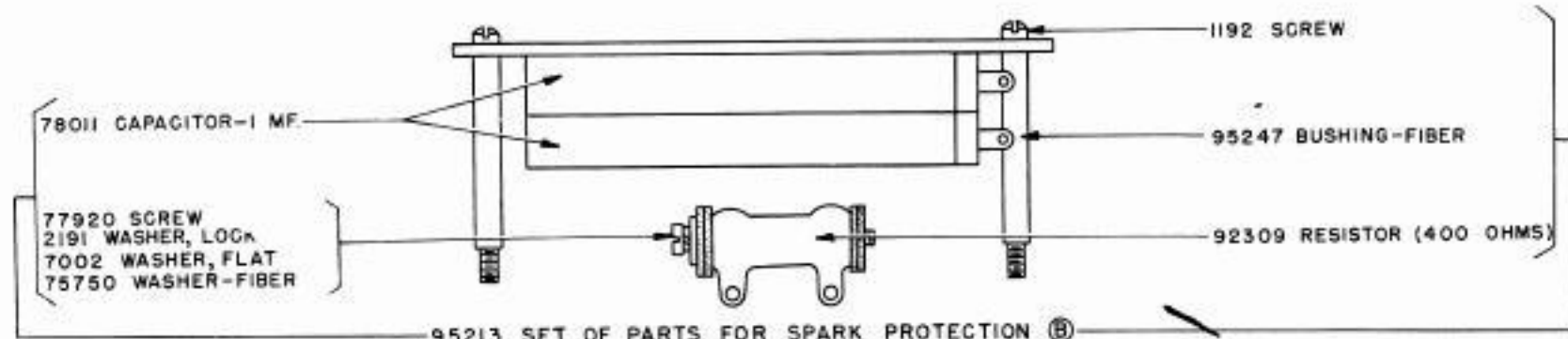
92784 SET OF PARTS TO PROVIDE END-OF-LINE PRINTING AND SPACING CUTOUT MECHANISM



PARTS FOR ELECTRICAL COUNTER



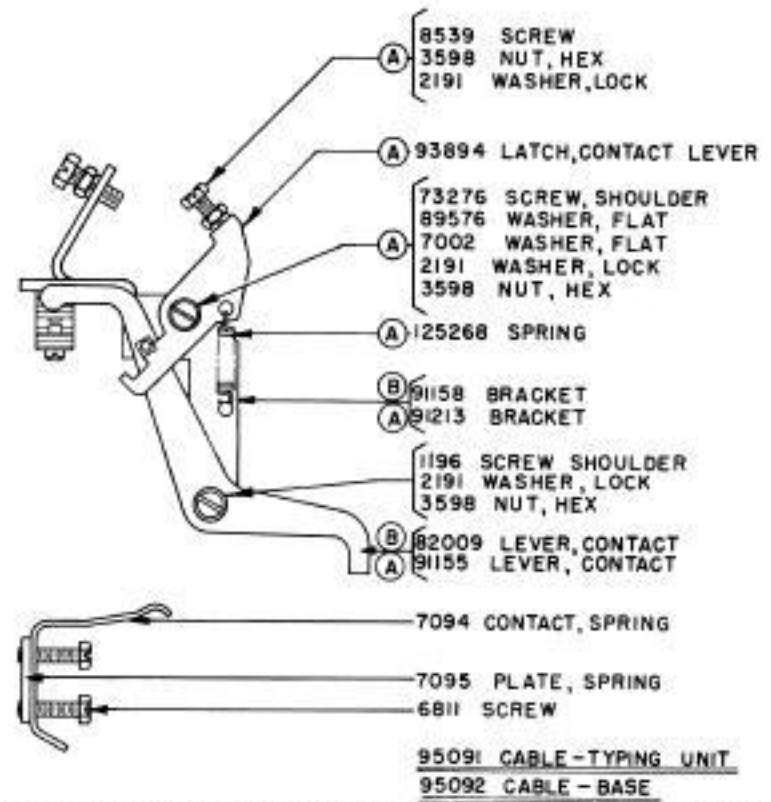
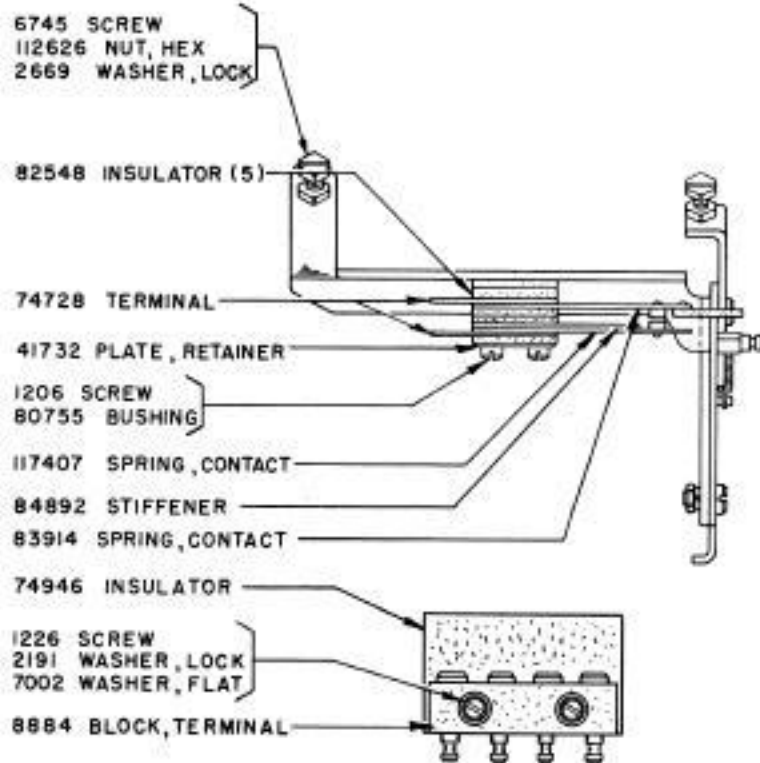
95214 SET OF PARTS FOR SPARK PROTECTION (A)



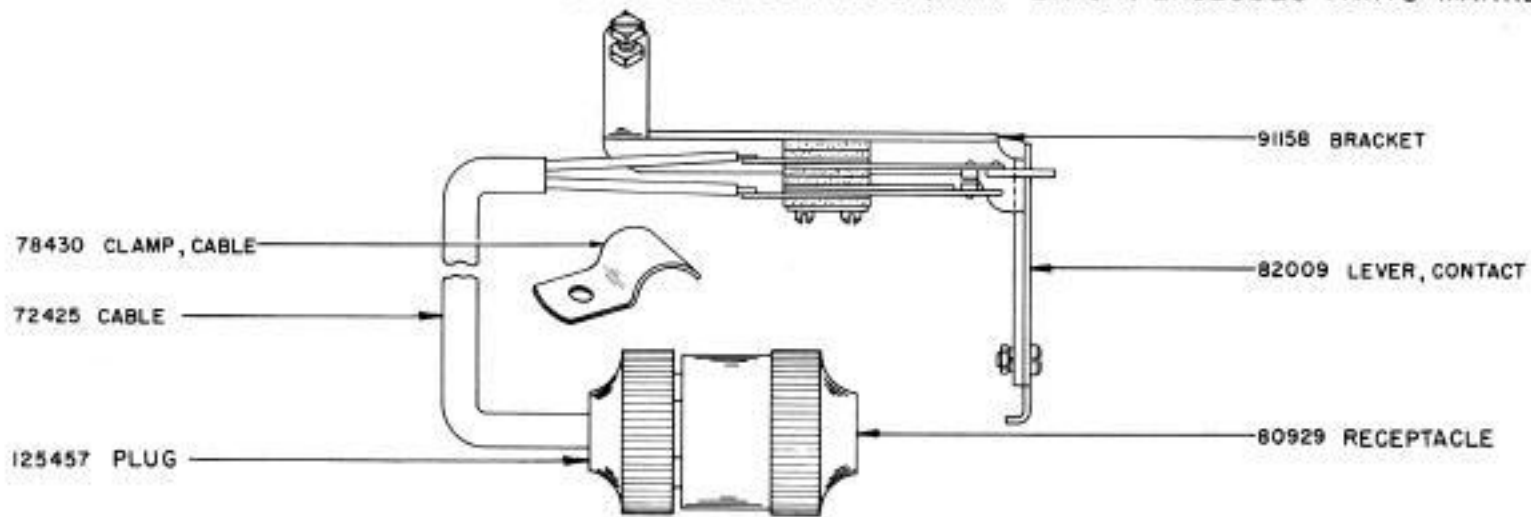
95213 SET OF PARTS FOR SPARK PROTECTION (B)

95216 SET OF PARTS TO PROVIDE ELECTRICAL WORD AND OPERATIONS COUNTER FOR USE WITH A.C. (EXCLUDES PARTS MARKED (A))

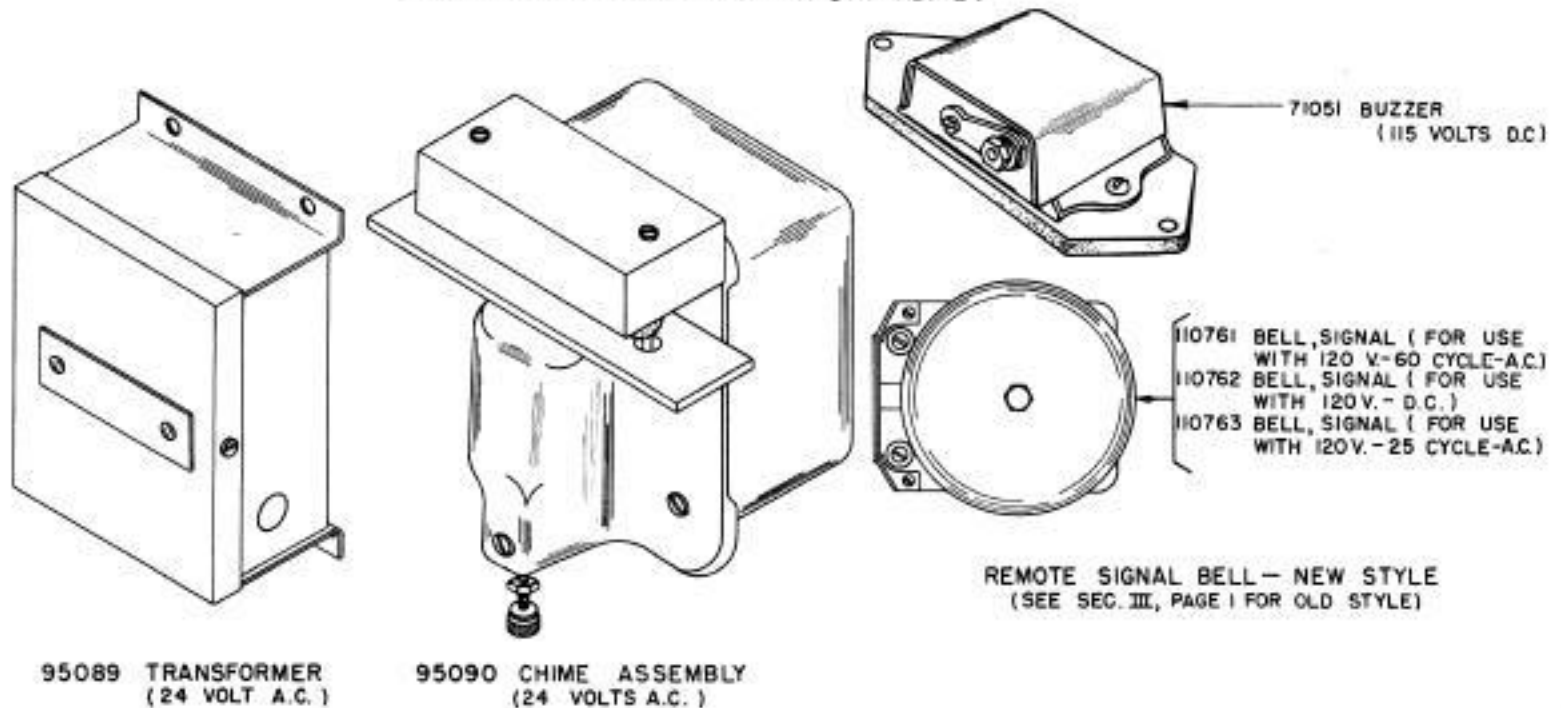
95217 SET OF PARTS TO PROVIDE ELECTRICAL WORD AND OPERATIONS COUNTER FOR USE WITH D.C. (EXCLUDES PARTS MARKED (B))



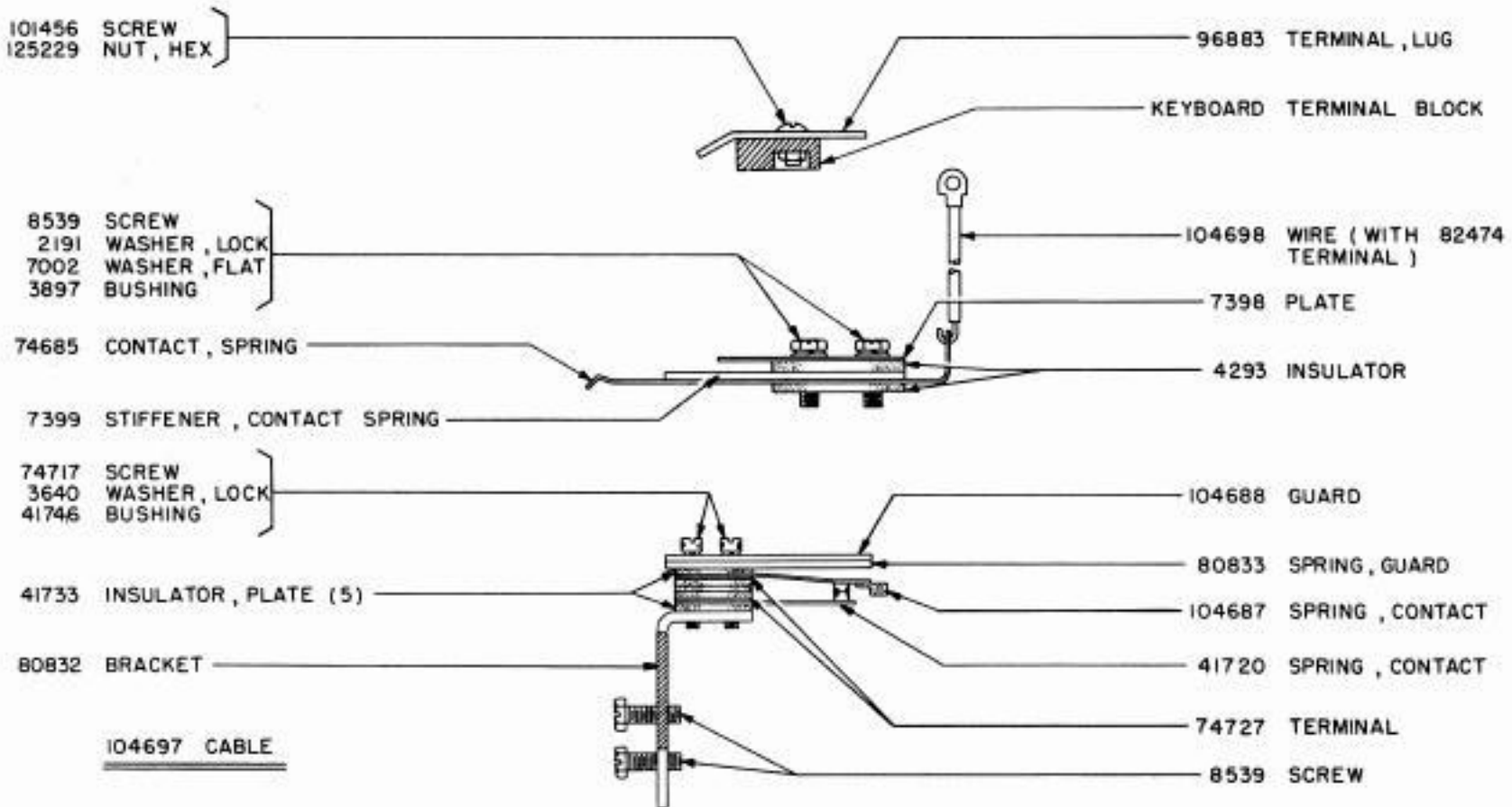
95088 SET OF PARTS FOR REMOTE SIGNAL BELL CONTACTS (WITHOUT LATCH) EXCLUDES PARTS MARKED (A)
 91159 SET OF PARTS FOR REMOTE SIGNAL BELL CONTACTS (WITH LATCH) EXCLUDES PARTS MARKED (B)



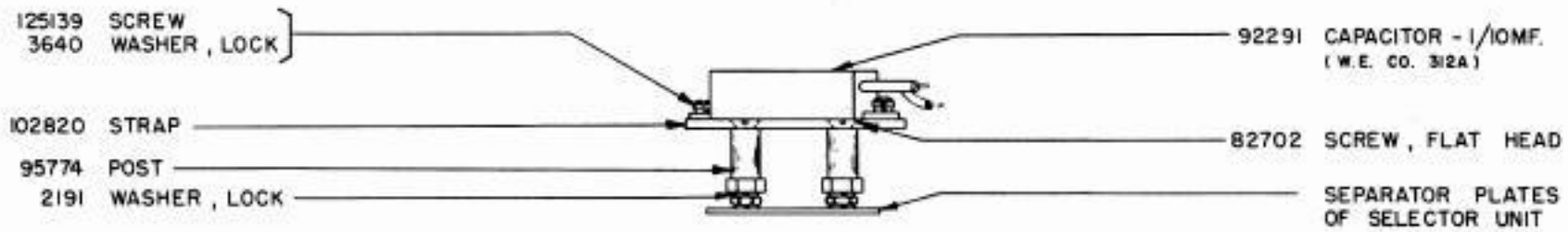
80956 SET OF PARTS FOR REMOTE SIGNAL BELL CONTACTS
 (PARTS SHOWN BUT NOT LISTED SAME AS ABOVE)



REMOTE SIGNAL BELL - NEW STYLE
 (SEE SEC. III, PAGE 1 FOR OLD STYLE)



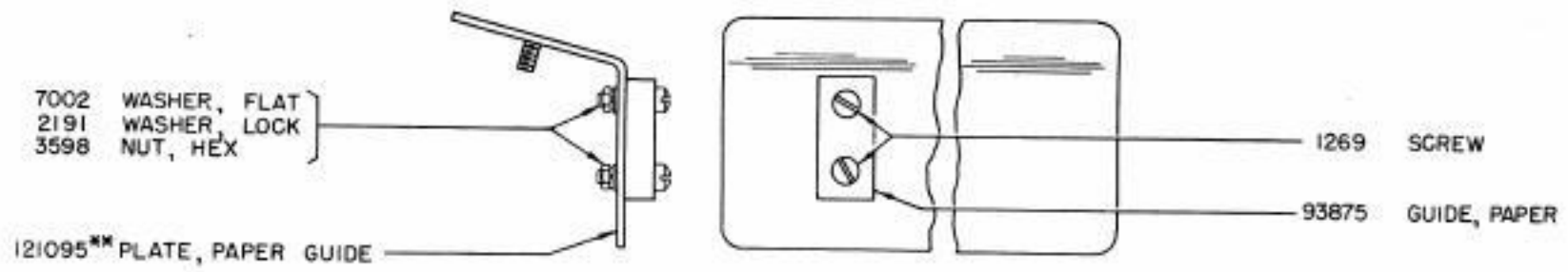
104666 SET OF PARTS FOR CAM OPERATED CONTACTS



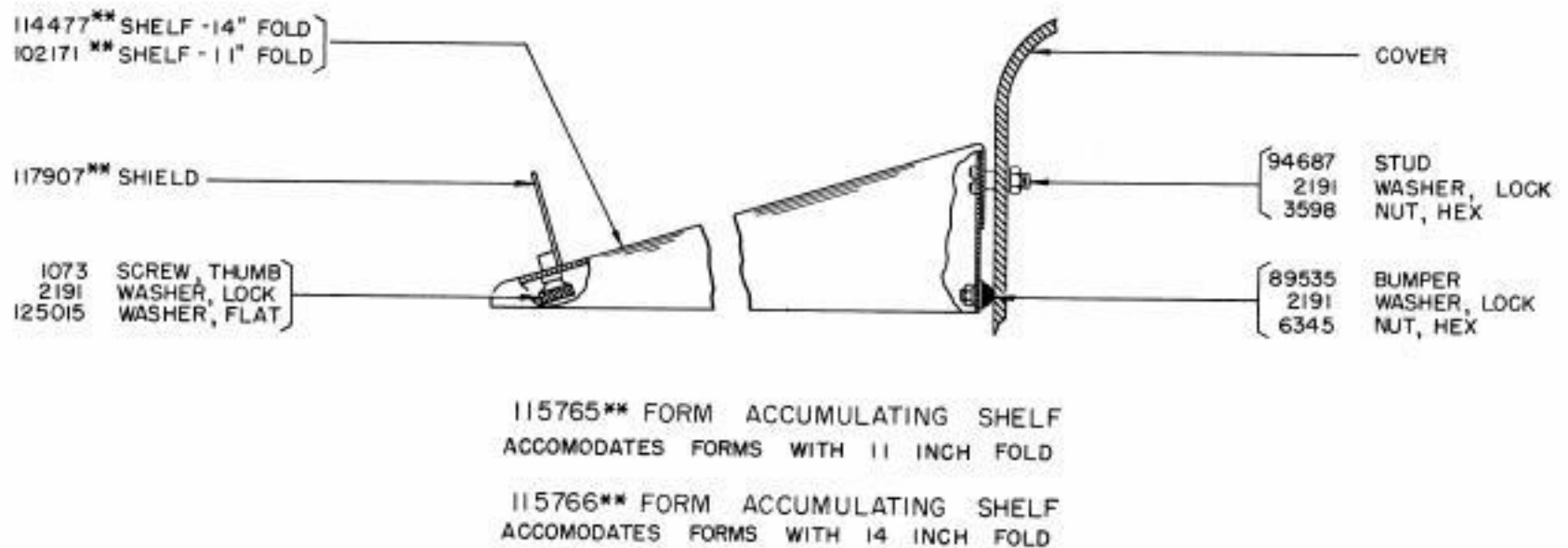
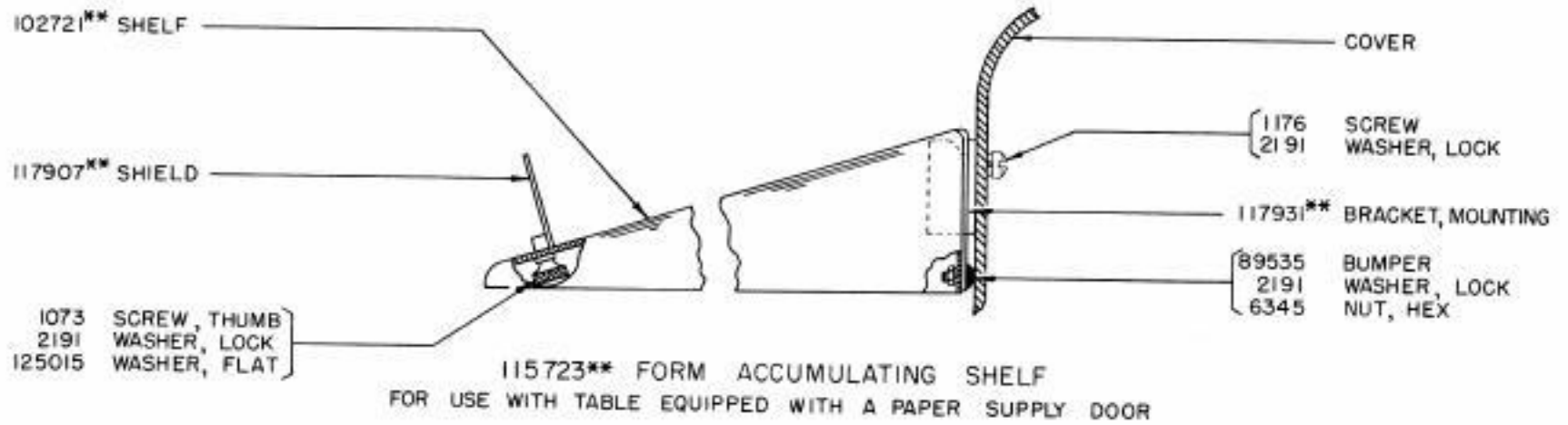
102821 SET OF PARTS TO PROVIDE 1/10MF CAPACITOR ACROSS UPPER CASE "H" MOTOR CONTROL CONTACTS



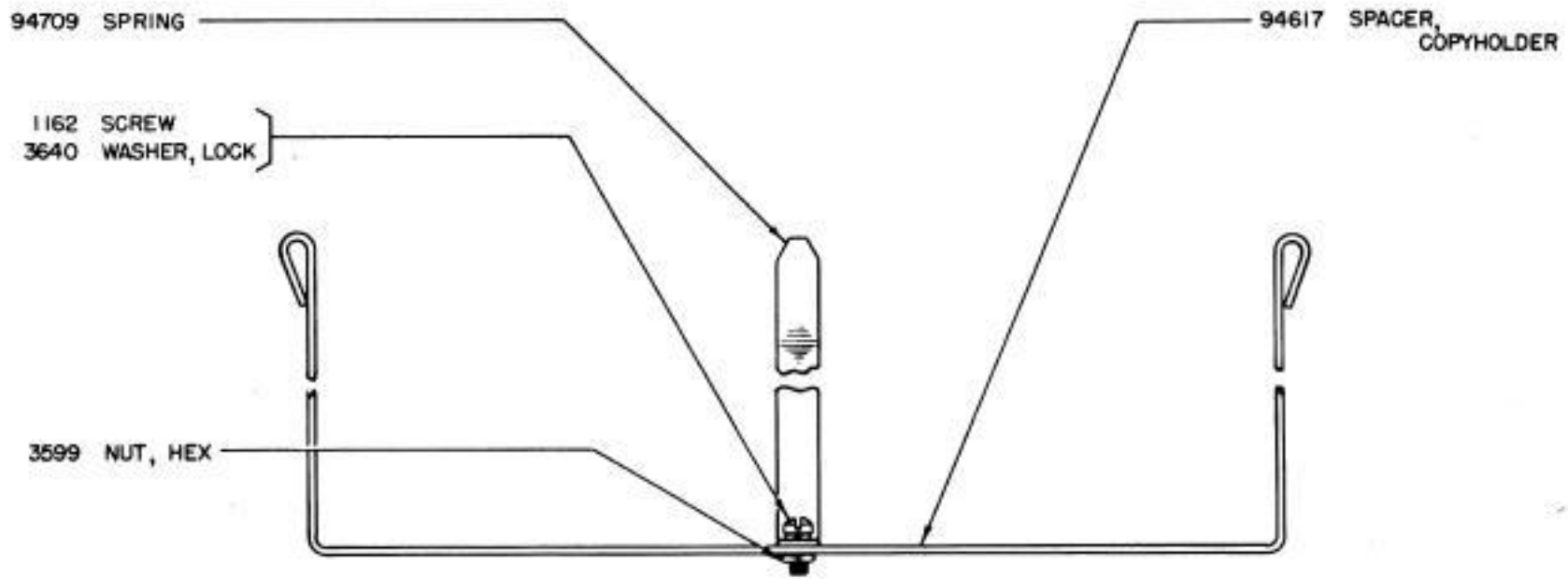
91507 SET OF PARTS FOR TRIPLE LINE FEED FUNCTION



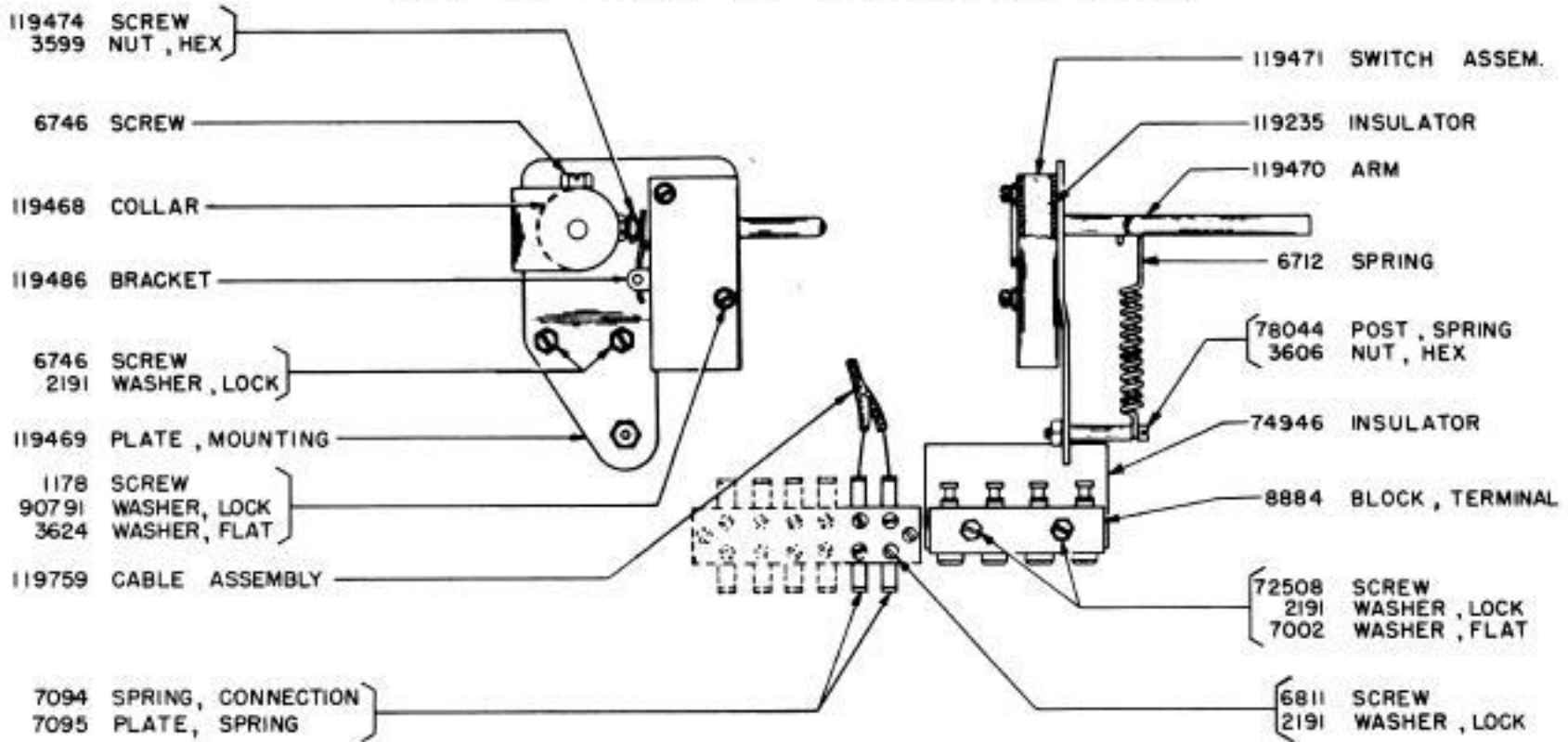
121096** PAPER GUIDE PLATE ASSEMBLY
TO FACILITATE HANDLING OF INDIVIDUAL FORMS OR MULTICOPY 8 1/2" WIDE
WITHOUT LIFTING THE TOP HINGED SECTION OF THE COVER



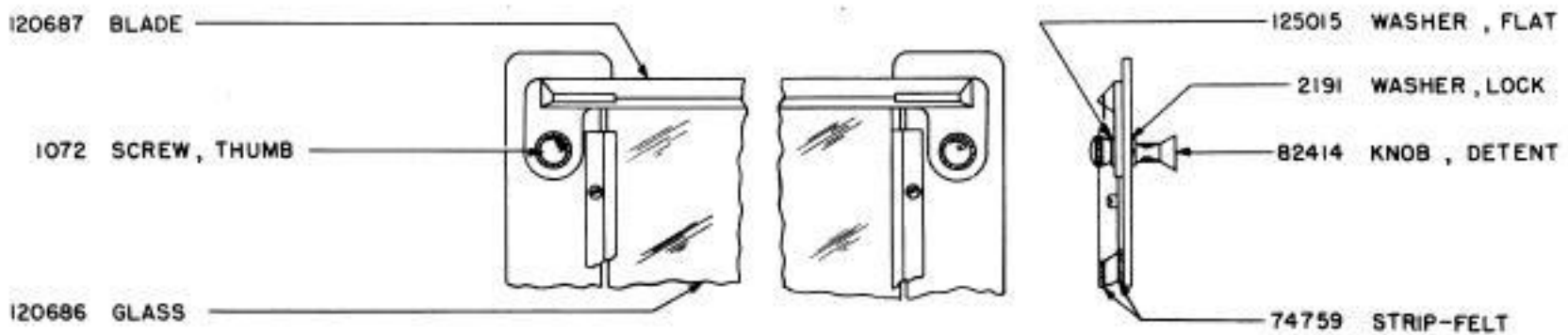
**SEE SEC. IV, PAGE 4 FOR EXPLANATION



94616 SET OF PARTS FOR INSTRUCTION CARD HOLDER

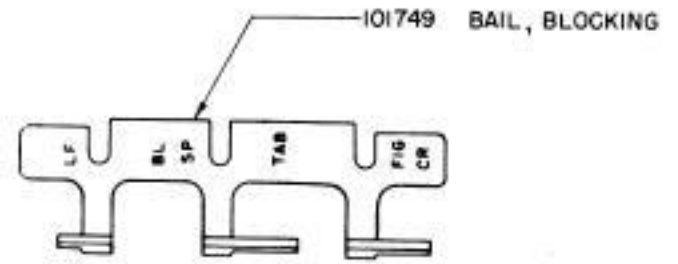


119975 SET OF PARTS FOR PAPER-OUT DEVICE

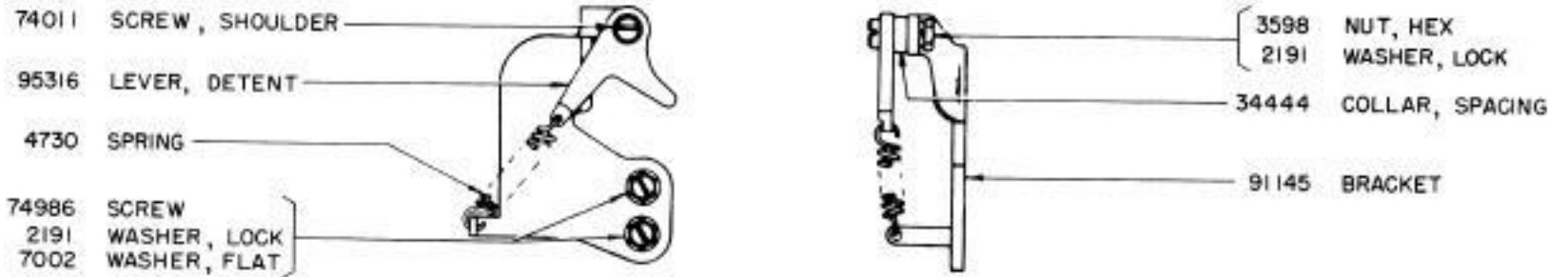


120685 SET OF PARTS TO PROVIDE TEARING EDGE WITH COVER GLASS

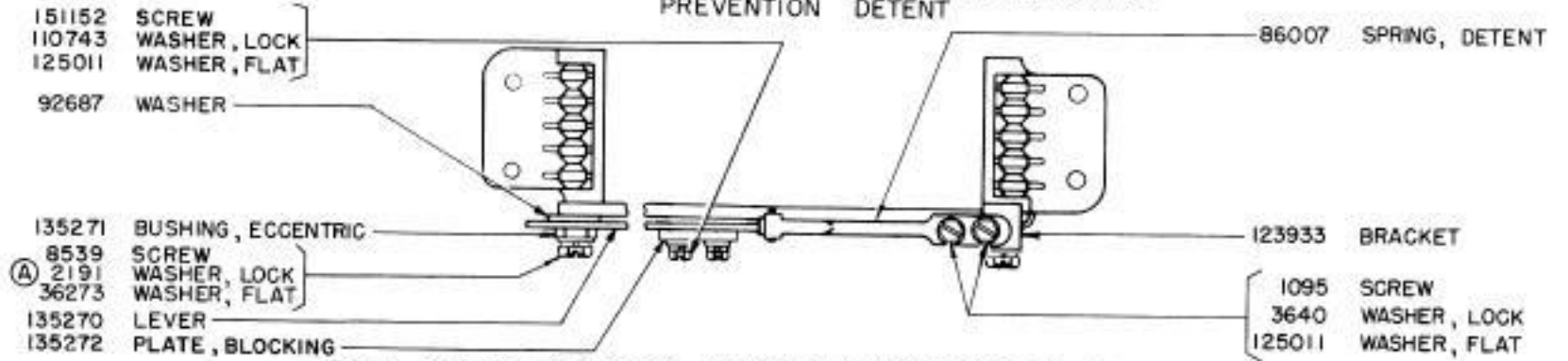
- 101750 TYPE BAR WITH PALLET
 - 101751 TYPE BAR WITH PALLET
 - 101752 TYPE BAR WITH PALLET
 - 74845 TYPE BAR WITH PALLET
 - 74185 PULL BAR (2)
 - 7634 SPRING (2)
- LISTED ON PAGES I-36, I-37 & I-38



103440 SET OF PARTS TO PROVIDE FOR PRINTING AND SPACING ON BLANK AND OTHER FUNCTIONS



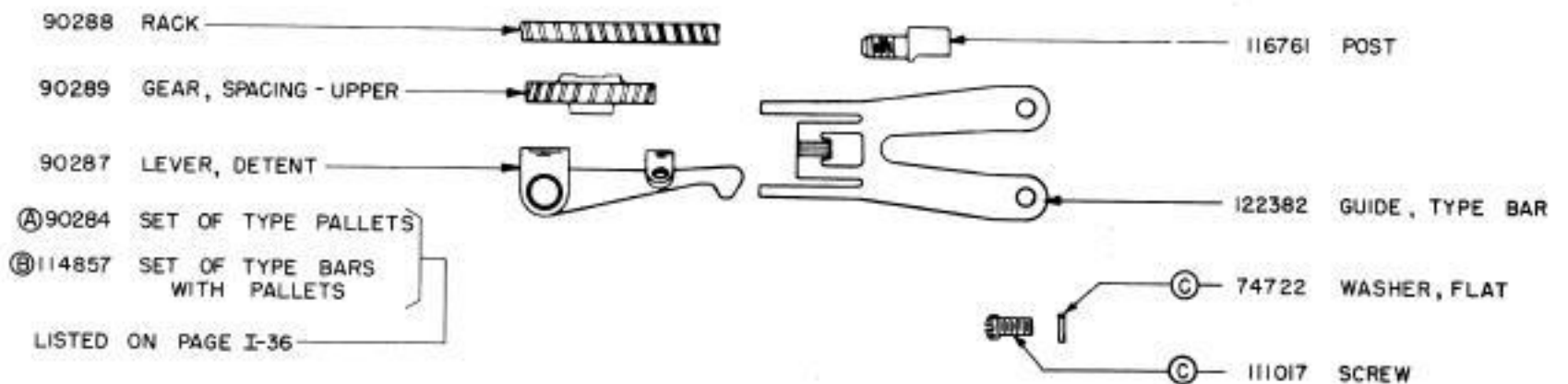
95317 SET OF PARTS TO APPLY SIGNAL DISTORTION PREVENTION DETENT



113761 SET OF PARTS TO PROVIDE "H" SUPPRESSION ON KEYBOARDS (EXCLUDES PARTS MARKED (A))

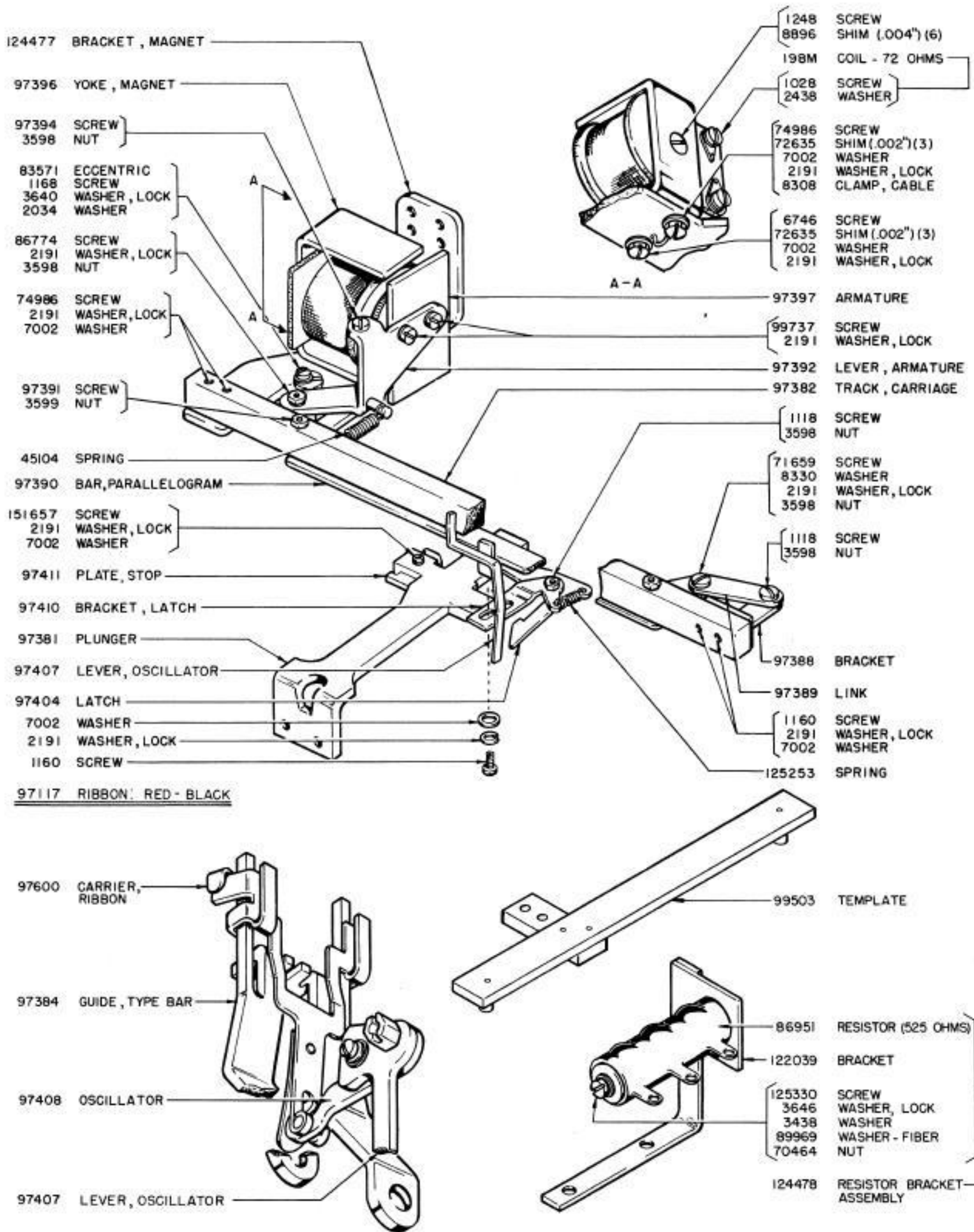


106968 SET OF PARTS TO PROVIDE FOR 84 CHARACTERS PER LINE OR 11 2/3 CHARACTERS PER INCH



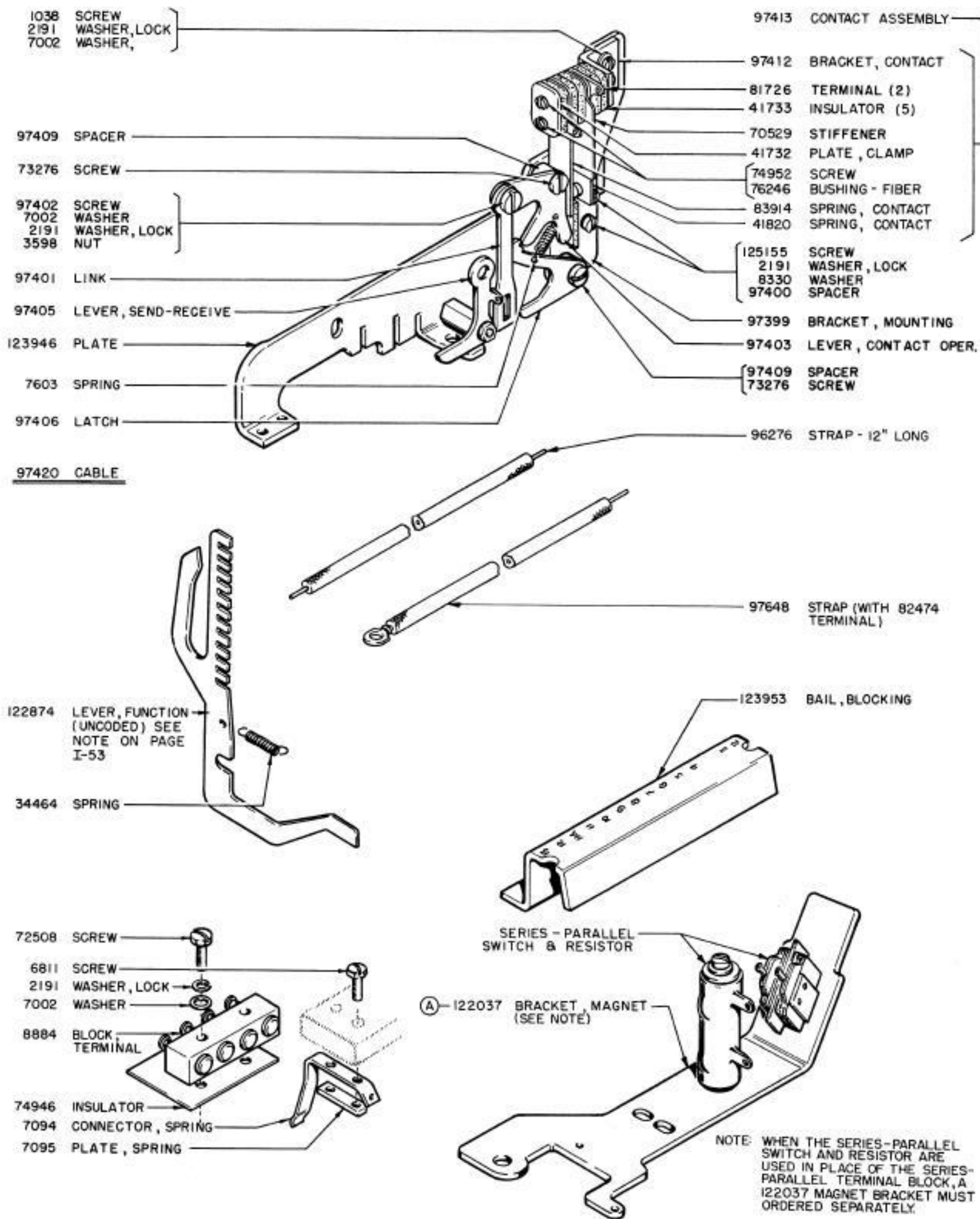
- (A) 84893 SET OF PARTS TO PROVIDE SPACING FOR 8 CHARACTERS TO THE INCH
- (B) 106939 SET OF PARTS TO PROVIDE SPACING FOR 8 CHARACTERS TO THE INCH

(C) FOR NOTE OF EXPLANATION SEE SEC. IV, PARAGRAPH FOR PAGE I-56 (A).

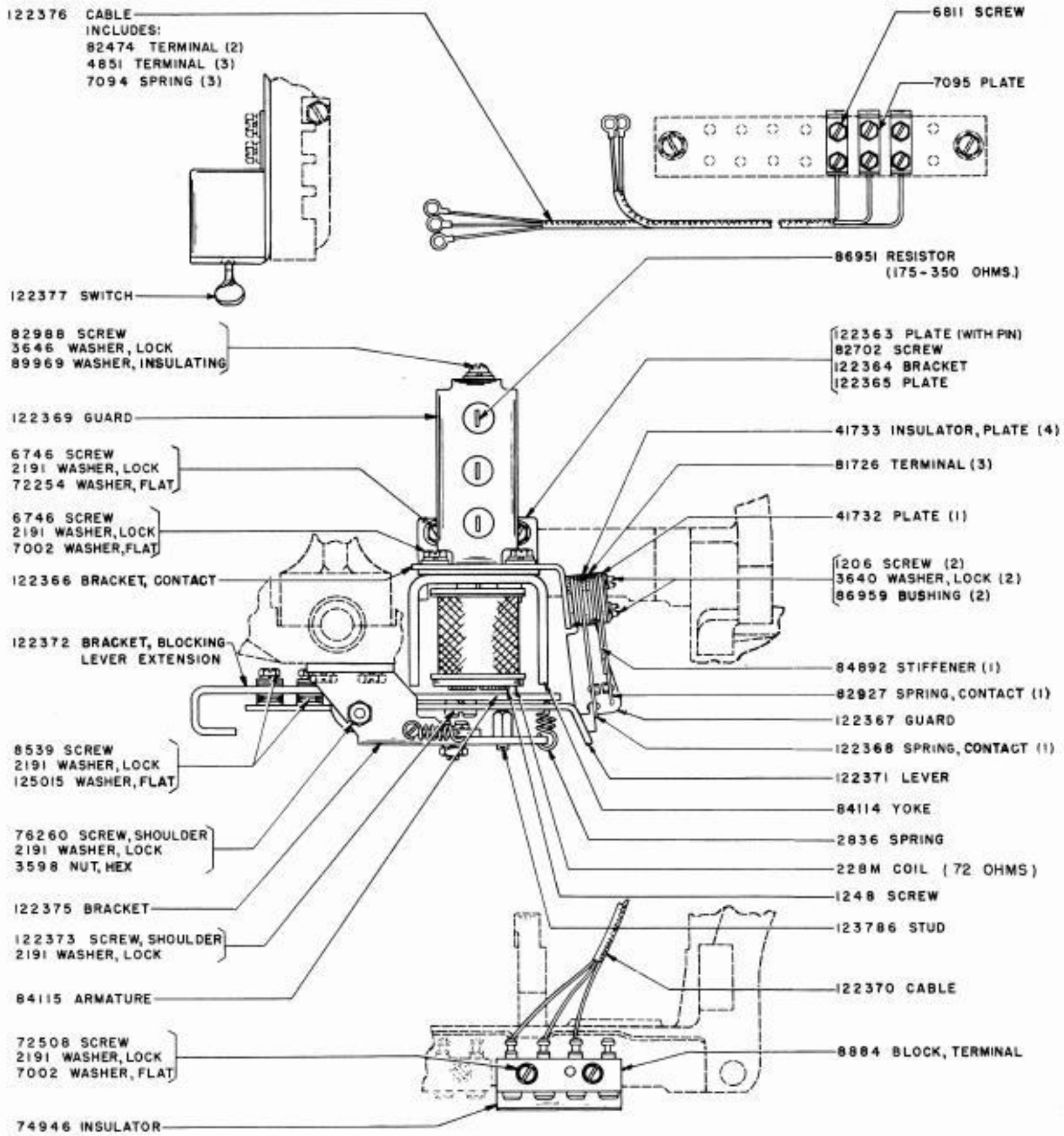


123525 SET OF PARTS FOR MANUALLY OPERATED TWO-COLOR RIBBON CONTROL
(INCLUDES ALL PARTS SHOWN ON THIS PAGE)

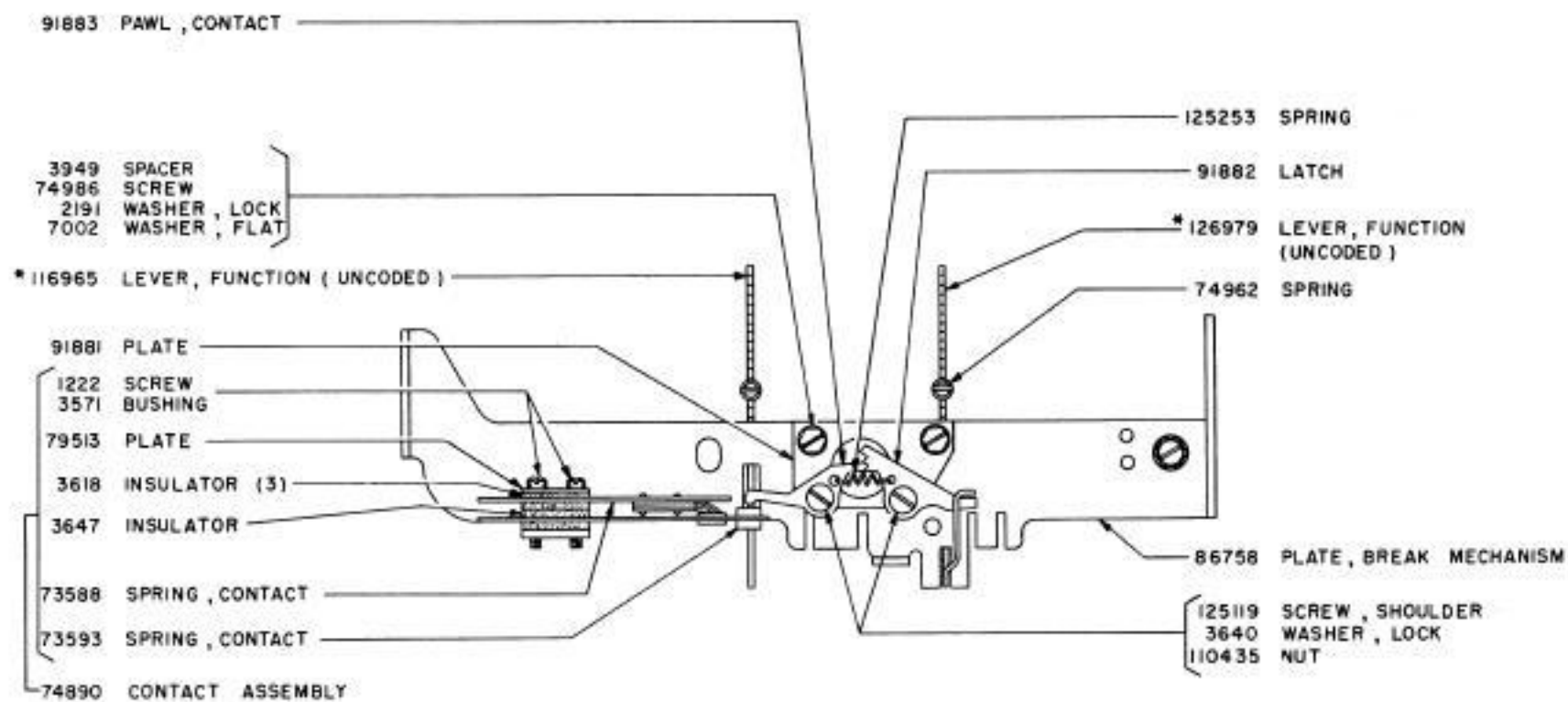
99502 SET OF PARTS FOR AUTOMATIC OPERATION OF TWO-COLOR RIBBON CONTROL
(INCLUDES ALL PARTS SHOWN ON THIS PAGE AND PAGE I-71, EXCLUDING PART MARKED (A))



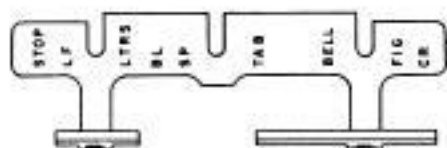
99502 SET OF PARTS FOR AUTOMATIC OPERATION OF TWO-COLOR RIBBON CONTROL
(INCLUDES ALL PARTS SHOWN ON THIS PAGE AND PAGE I-70, EXCLUDES PART MARKED (A))



122362 SET OF PARTS FOR SWITCH CUT-IN AND AUTOMATIC
CUT-OUT OF THE HORIZONTAL TABULATION FEATURE



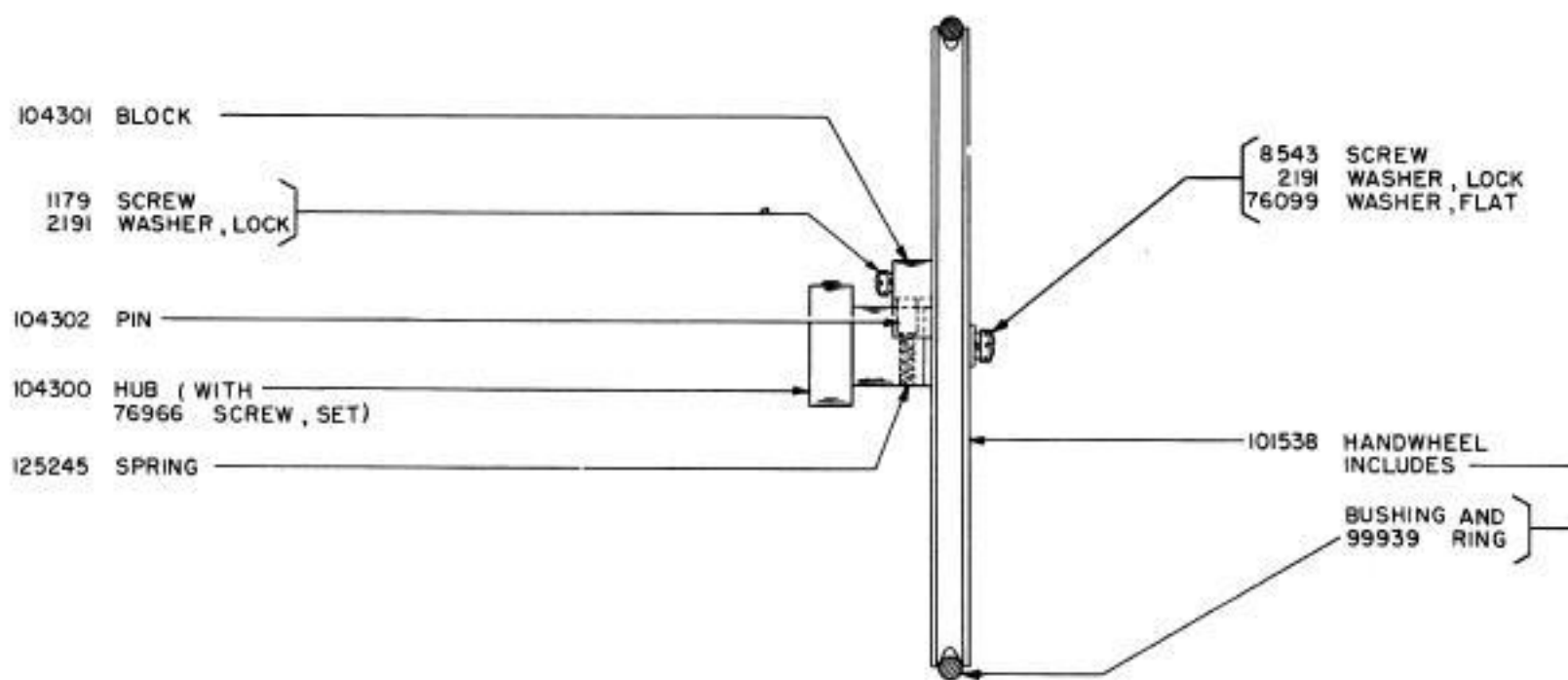
*SEE NOTE ON PAGE I-53 FOR DESIRED CODE COMBINATIONS FOR THE UNCODED FUNCTION LEVERS.



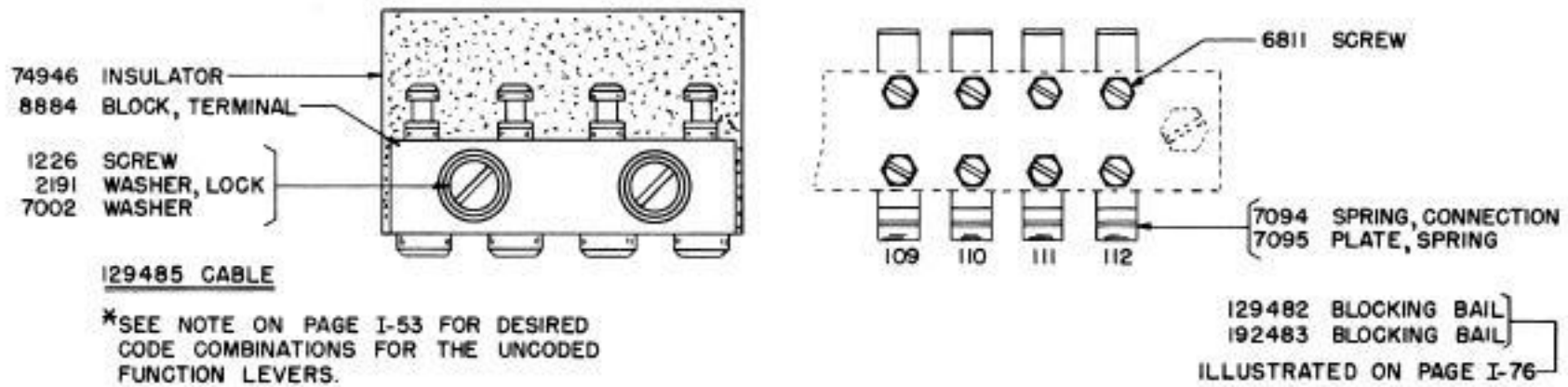
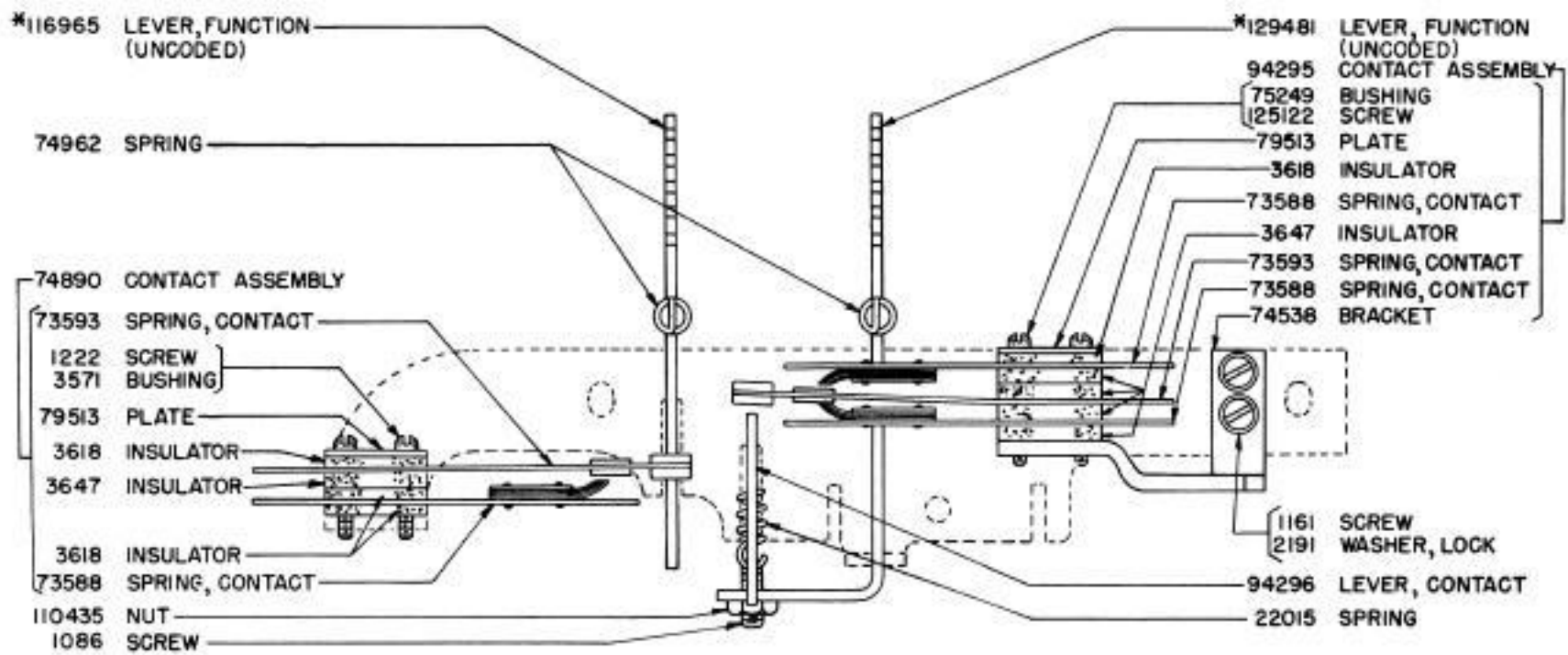
116769 BAIL , BLOCKING

82633 CABLE - TYPING UNIT
92176 CABLE - BASE

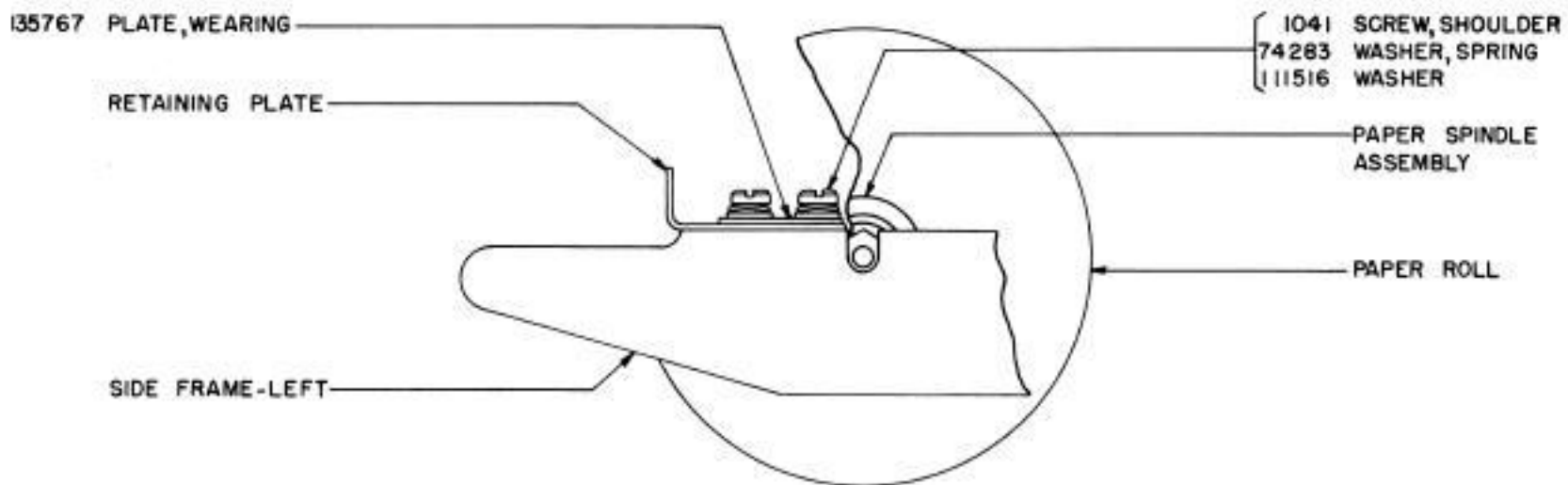
115889 SET OF PARTS TO CONTROL REPERFORATOR FROM MODEL 15 PRINTER
(FOR USE WITH HORIZONTAL TABULATION)



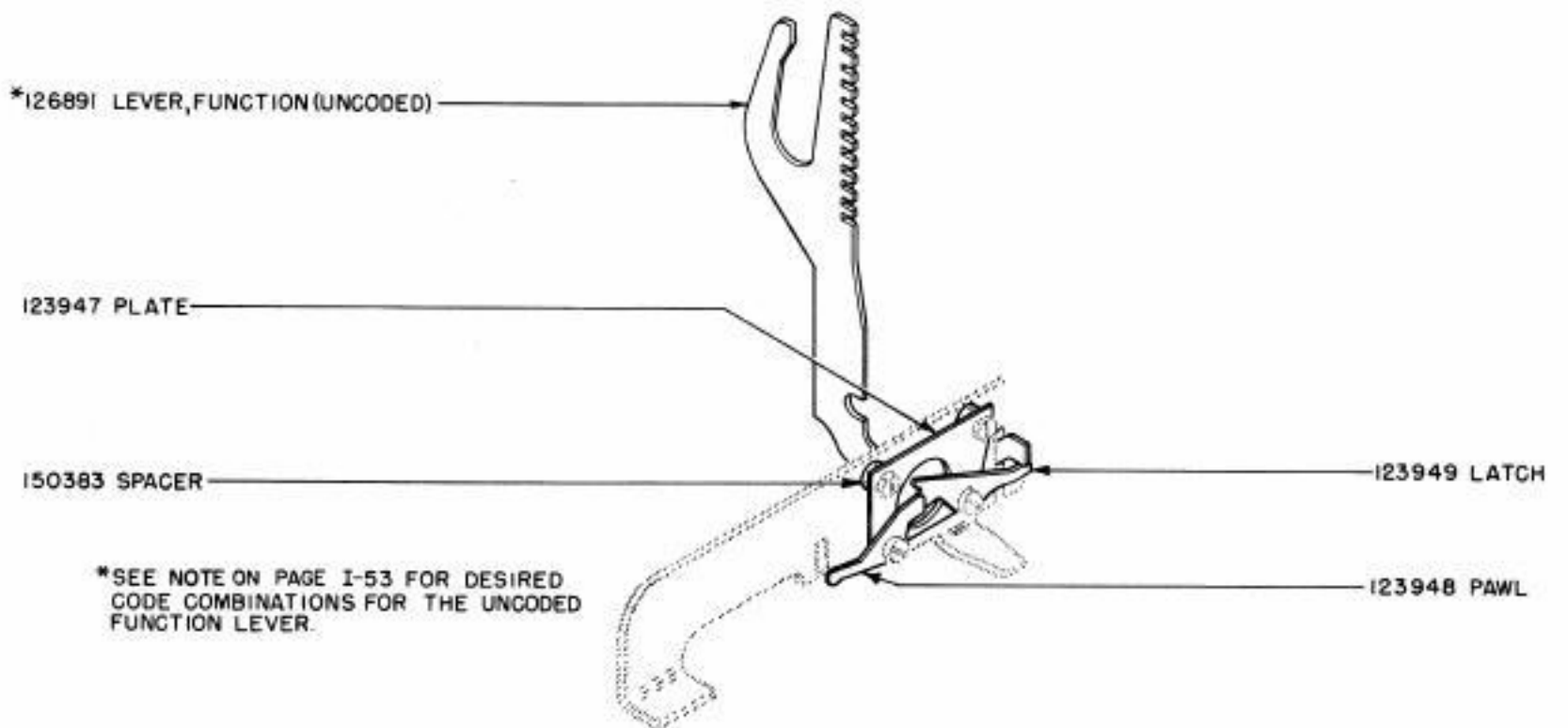
104521 HANDWHEEL ASSEMBLY



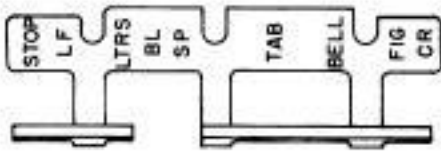
129480 SET OF PARTS TO OPEN AND CLOSE CIRCUITS EXTERNAL TO MODEL 15 PRINTER



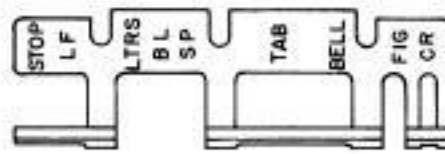
113780 SET OF PARTS FOR PRINTER HAVING EXCESSIVE WEAR ON THE LEFT SIDE FRAME (ALUMINUM)



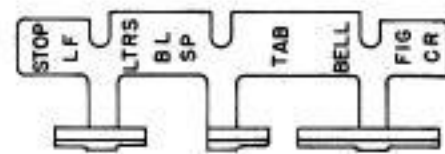
113700 SET OF PARTS FOR TWO-COLOR RIBBON PRINTER EQUIPPED WITH REPERFORATOR CONTROL



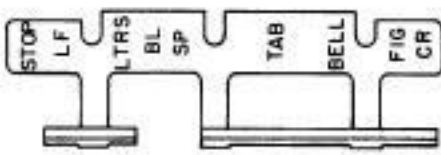
81956 (9,10)



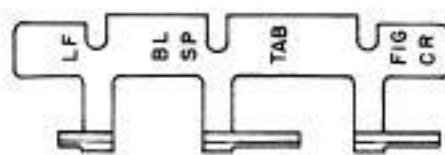
91519 (3,9,10,11)



91885 (6,9,10,13)



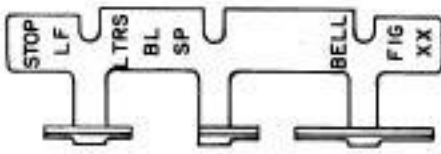
94300 (9,10,13)



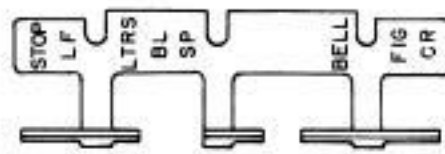
101749 (4,5,9,10,11,13)



104084 (4,5,9,10)



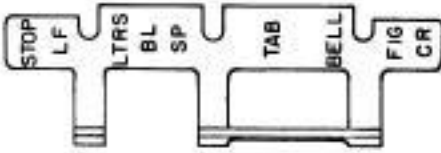
105381 (6,9,10,13)



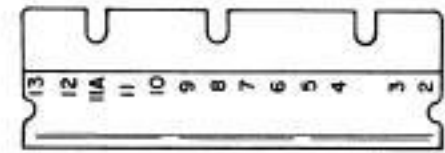
106038 (6,9,10)



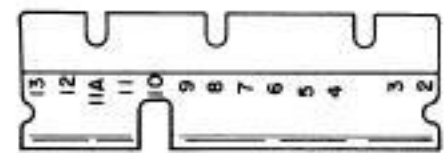
116769 (7,8,9,10,13)



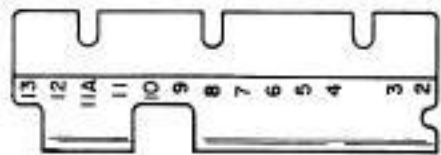
118491 (2,3,9,10,11,12,13)



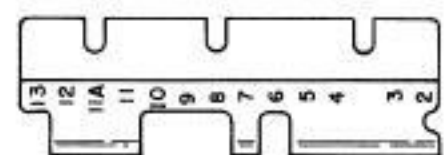
123953 (BLOCKS ALL FUNCTION LEVERS)



129482 (10)



129483 (9,10,13)



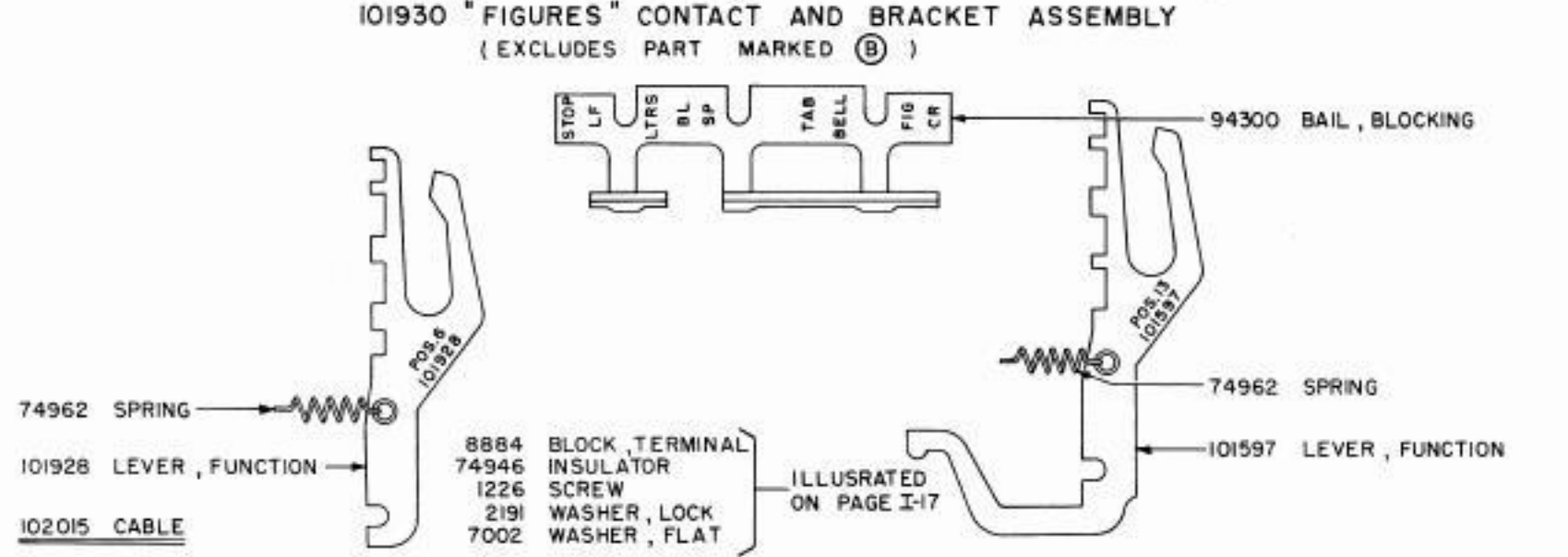
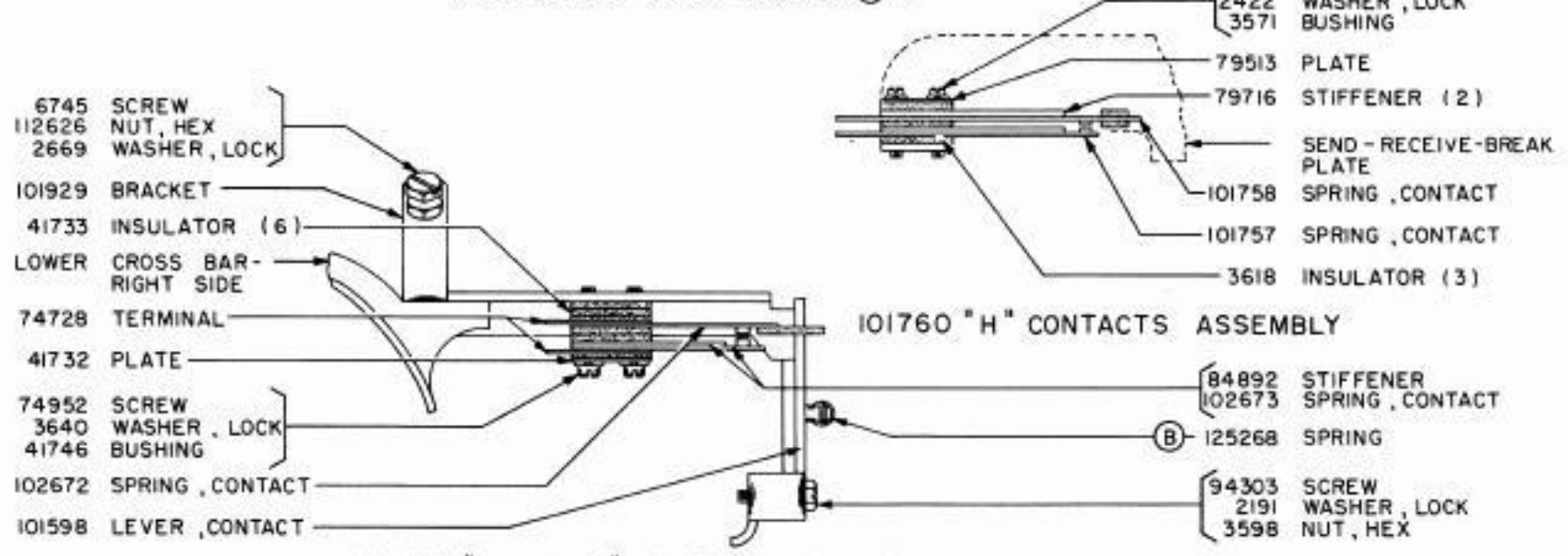
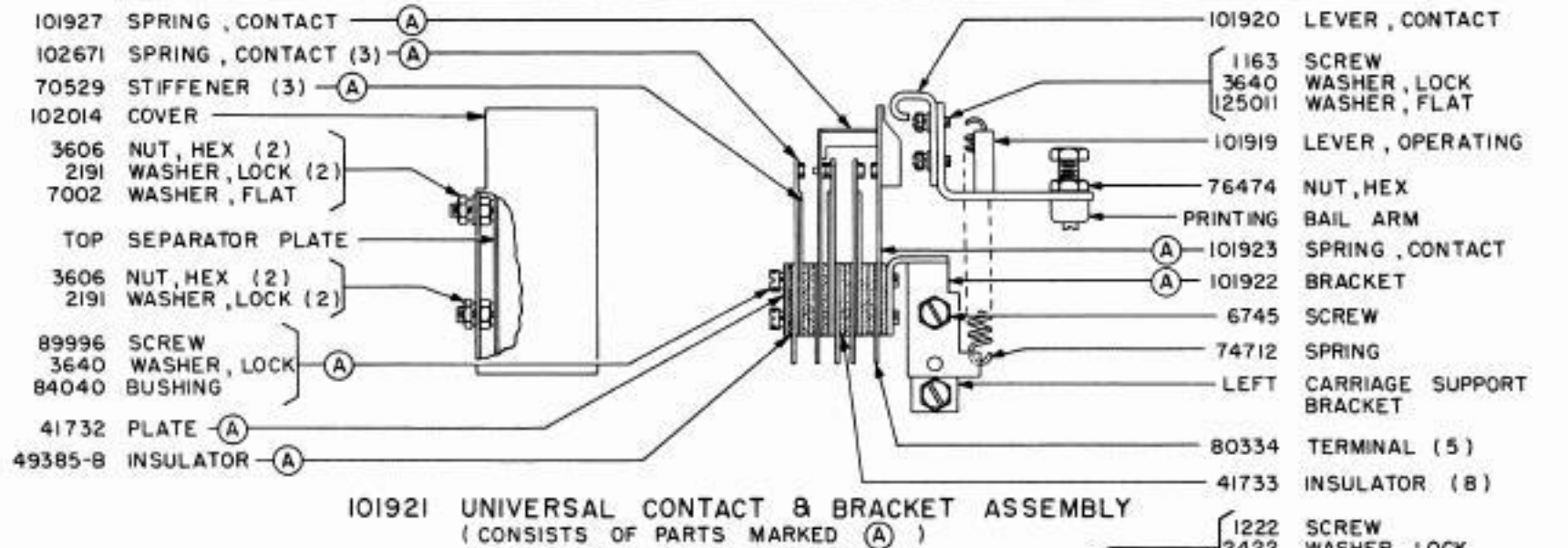
129557 (6,8,9,10,13)

FUNCTION LEVER BLOCKING BAILS
 NUMBERS IN PARENTHESIS INDICATE POSITIONS OF NON-BLOCKING
 FUNCTION LEVERS

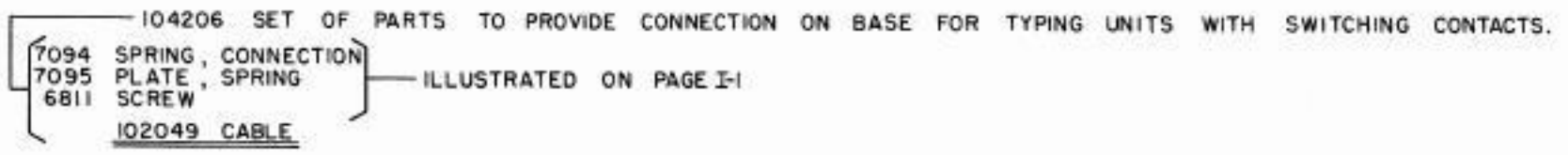
SECTION II

BELL SYSTEM UNITS
PAGES II- 1 THROUGH II-4

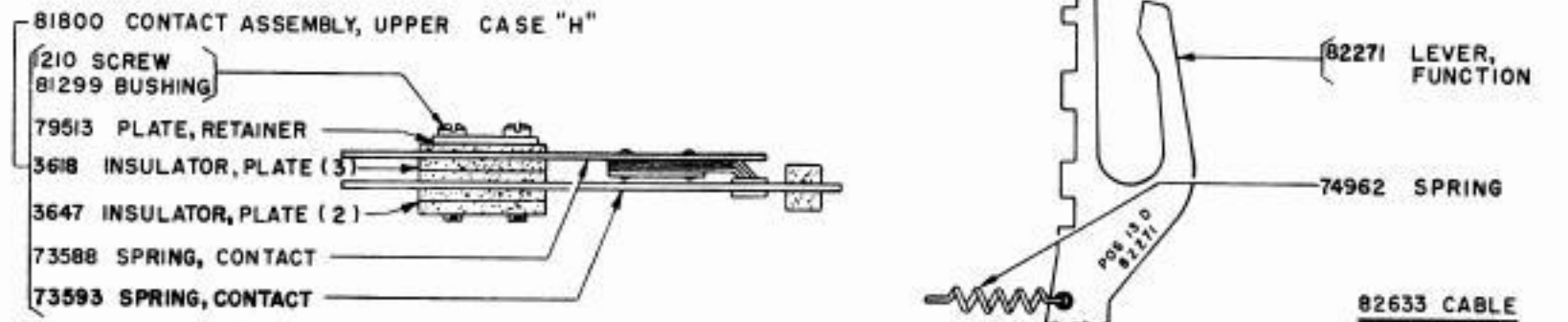
THE PARTS ILLUSTRATED OR LISTED ON THIS PAGE AND THE FOLLOWING PAGES APPLY TO BELL SYSTEM UNITS.



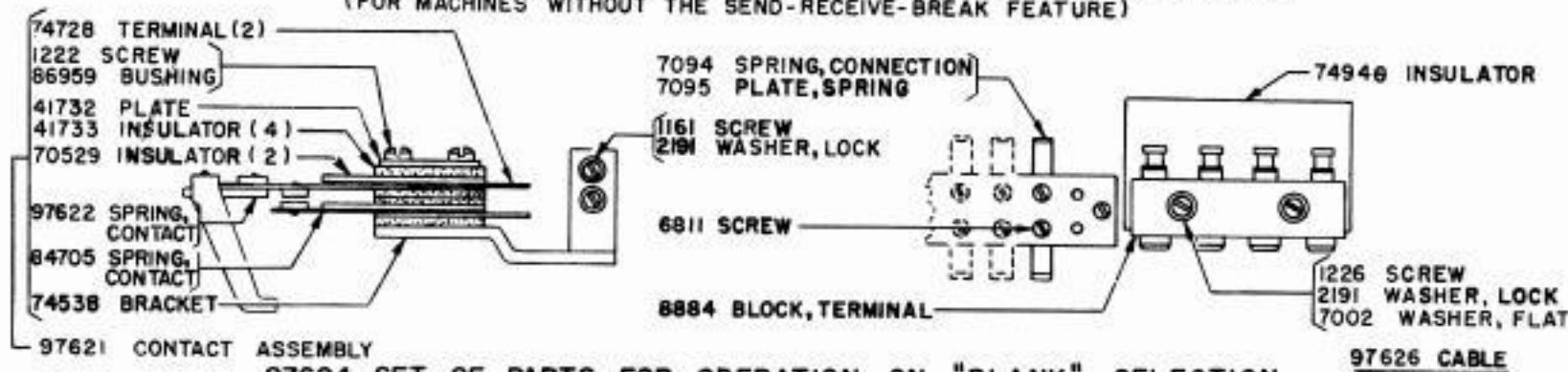
113660 SET OF PARTS TO PROVIDE SWITCHING CONTACTS ON TYPING UNITS BP99 (BELL SYSTEM 15AB) AND BPI05 (BELL SYSTEM 15AD) INCLUDES ALL PARTS LISTED ABOVE.



UPPER CASE "H" AND "BLANK" CONTACTS
(FOR BELL SYSTEM G. E. INSTALLATION)



101384 SET OF PARTS FOR UPPER CASE "H" CONTACT MECHANISM
(FOR MACHINES WITHOUT THE SEND-RECEIVE-BREAK FEATURE)



97604 SET OF PARTS FOR OPERATION ON "BLANK" SELECTION

SETS OF CONVERSION PARTS (BELL SYSTEM ONLY)

- 86192 set of parts for converting Bell System 15C** keyboard to 15B** consists of the following parts:
- | | | | |
|-------|---------------------------------|--------|---------------------------|
| 78981 | Keytop, Spring Cushion (H #)(1) | 120453 | Plate, Code (Keyboard)(1) |
| 78995 | Keytop, Spring Cushion (J ')(1) | | |
- 86193 set of parts for converting Bell System 15C** keyboard to 15A** consists of the following parts:
- | | | | |
|-------|---------------------------------|--------|----------------------------------|
| 78947 | Keytop, Spring Cushion (B ?)(1) | 78956 | Keytop, Spring Cushion (K ())(1) |
| 78948 | Keytop, Spring Cushion (C :)(1) | 78957 | Keytop, Spring Cushion (L))(1) |
| 78951 | Keytop, Spring Cushion (F !)(1) | 78959 | Keytop, Spring Cushion (N ,)(1) |
| 78953 | Keytop, Spring Cushion (H &)(1) | 78966 | Keytop, Spring Cushion (V ;)(1) |
| 78955 | Keytop, Spring Cushion (J ')(1) | 120453 | Plate, Code (Keyboard)(1) |
- 87693 set of parts for Bell System name plate (with window) consists of the following parts:
- | | | | |
|-------|-----------------|-------|------------|
| 92003 | Plate, Name (1) | 91621 | window (1) |
|-------|-----------------|-------|------------|
- 87868 set of parts for converting Bell System 15S and 15T typing units to 15J and 15L consists of the following parts:
- | | | | |
|-------|-------------------------------------|-------|----------------------------|
| 81800 | Upper Case "H" Contact Assembly (1) | 82788 | Spring, Function Lever (1) |
| 82271 | Lever, Function (1) | 82633 | Cable (1) |
- 90253 set of parts for converting Bell System 15S typing unit to 15E consists of the following parts:
- | | | | |
|-------|---------------------------------|--------|---------------------------------|
| 74185 | Bar, Pull (1) | 74765 | Pallet, Type (H #)(1) |
| 7634 | Spring, Pull Bar (1) | 120452 | Plate, Code (Typing Unit) (1) |
| 74642 | Bar, Type (with pallet)(. .)(1) | 83408 | Screws, Code Plate Mounting (2) |
| 74318 | Pallet, Type (J ')(1) | | |

*See Sec. IV, Page 4 for explanation

- 90254 set of parts for converting Bell System 15K typing unit to 15F consists of the following parts:
- | | | | | | |
|-------|---------------------------------|-----|--------|-----------------------------|----------|
| 74038 | Lever, Function | (1) | 74318 | Pallet, Type | (J ')(1) |
| 74185 | Bar, Pull | (1) | 74765 | Pallet, Type | (H #)(1) |
| 7634 | Spring, Pull Bar | (1) | 120452 | Plate, Code (Typing Unit) | (1) |
| 74642 | Bar, Type (with pallet)(. .)(1) | | 83408 | Screws, Code Plate Mounting | (2) |
- 90255 set of parts for converting Bell System 15I typing unit to 15G consists of the following parts:
- | | | | | | |
|-------|---------------------------------|----------|--------|-----------------------------|----------|
| 74185 | Bar, Pull | (1) | 74765 | Pallet, Type | (H #)(1) |
| 7634 | Spring, Pull Bar | (1) | 120452 | Plate, Code (Typing Unit) | (1) |
| 74642 | Bar, Type (with Pallet)(. .)(1) | | 83408 | Screws, Code Plate Mounting | (2) |
| 74318 | Pallet, Type | (J ')(1) | | | |
- 90256 set of parts for converting Bell System 15K typing unit to 15H consists of the following parts:
- | | | | | | |
|-------|---------------------------------|-----|--------|-----------------------------|----------|
| 74038 | Lever, Function | (1) | 74318 | Pallet, Type | (J ')(1) |
| 74185 | Bar, Pull | (1) | 74765 | Pallet, Type | (H #)(1) |
| 7634 | Spring, Pull Bar | (1) | 120452 | Plate, Code (Typing Unit) | (1) |
| 74642 | Bar, Type (with Pallet)(. .)(1) | | 83408 | Screws, Code Plate Mounting | (2) |
- 91827 set of parts for converting 74839 (Bell System 15A) motor unit to 91830 (Bell System 15J) motor unit consists of the following parts:
- | | | | | | |
|-------|------------------------|-----|--------|--------------------------|-----|
| 91761 | Bracket | (1) | 2191 | Washer, Lock | (2) |
| 78206 | Resistor Unit Assembly | (1) | 91762 | Cable | (1) |
| 6746 | Screw | (2) | 120460 | Plate, Code (Motor Unit) | (1) |
| 7002 | Washer, Flat | (2) | | | |
- 91828 set of parts for converting 74840 (Bell System 15B) motor unit to 91831 (Bell System 15K) motor unit consists of the following parts:
- | | | | | | |
|-------|------------------------|-----|--------|--------------------------|-----|
| 91761 | Bracket | (1) | 2191 | Washer, Lock | (2) |
| 78206 | Resistor Unit Assembly | (1) | 91763 | Cable | (1) |
| 6746 | Screw | (2) | 120460 | Plate, Code (Motor Unit) | (1) |
| 7002 | Washer, Flat | (2) | | | |
- 92232 set of parts for converting Bell System 15E** keyboard to 15D** consists of the following parts:
- | | | | |
|-------|---------------------------------|--------|---------------------------------------|
| 78947 | Keytop, Spring Cushion (B ?)(1) | 78957 | Keytop, Spring Cushion (L))(1) |
| 78948 | Keytop, Spring Cushion (C :)(1) | 78959 | Keytop, Spring Cushion (N ,)(1) |
| 78951 | Keytop, Spring Cushion (F !)(1) | 78966 | Keytop, Spring Cushion (V ;)(1) |
| 78953 | Keytop, Spring Cushion (H &)(1) | 120453 | Plate, Code (Keyboard)(1) |
| 78955 | Keytop, Spring Cushion (J ')(1) | 120456 | Plate, Code (Teletypewriter Base) (1) |
| 78956 | Keytop, Spring Cushion (K)(1) | | |
- 111182 set of parts for converting Bell System 15F** keyboard to 15G** consists of the following parts:
- | | | | |
|-------|-----------------------------------|--------|-----------------------------------|
| 78961 | Keytop, Spring Cushion (P O)(1) | 78987 | Keytop, Spring Cushion(N 7/8)(1) |
| 78982 | Keytop, Spring Cushion (F 1/2)(1) | 78988 | Keytop, Spring Cushion(K 1/2)(1) |
| 78983 | Keytop, Spring Cushion(L 3/4)(1) | 78993 | Keytop, Spring Cushion (J ')(1) |
| 78984 | Keytop, Spring Cushion(C 1/8)(1) | 82607 | Keytop, Spring Cushion(H Stop)(1) |
| 78985 | Keytop, Spring Cushion(J 3/8)(1) | 120453 | Plate, Code (Keyboard)(1) |
| 78986 | Keytop, Spring Cushion(B 5/8)(1) | | |

**See Sec. IV, Page 4 for explanation

CABLES WITH PART NUMBERS LISTED BELOW APPLY TO BELL SYSTEM UNITS

BASE

- 74574 Line } Associated with pulling magnet (for use with three terminal blocks -
- 74573 Power } Twelve terminals each).
- 91770 Line } Associated with holding magnet (for use with one terminal block -
- 91769 Power } Twenty-six terminals).
- 91789 Line Relay - Part of 91786 set of parts
- 74575 Line Relay

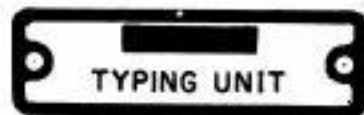
KEYBOARD

- 114749 For use with line test key (cam type).
- 92238 For use without local test.
- 92237 For use with line test key locking and non-locking - push type (color coded).
- 74572 For use with line test key locking and non-locking - push type (all black).

TYPING UNIT

- 91277 Selector unit (holding magnets) - with 8884 terminal block.
- 91898 Selector unit (holding magnets) - without 8884 terminal block (for use with 94490 series-parallel switch).
- 124591 Selector unit (holding magnets) (for use with 113703 terminal block assembly).
- 74625 Selector unit (pulling magnets).
- 82633 For upper case "H" contacts.
- 74789 For motor stop contacts.

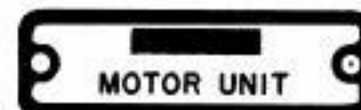
BELL SYSTEM CODE DESIGNATION PLATES



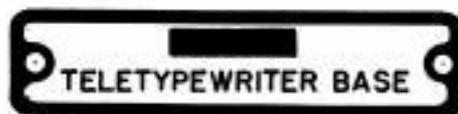
120452



120453



120460



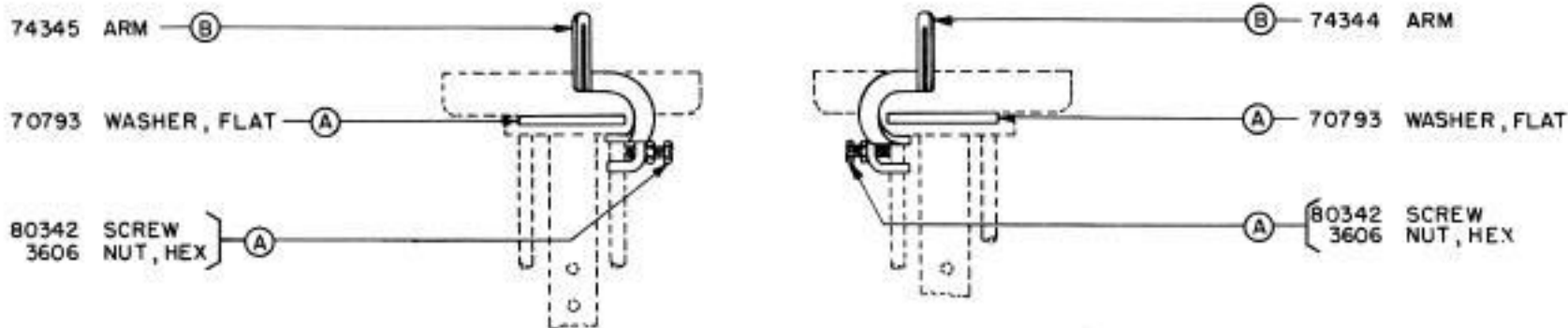
120456

TWO 83408 SCREWS ARE USED TO SECURE ANY OF THE ABOVE CODE PLATES.

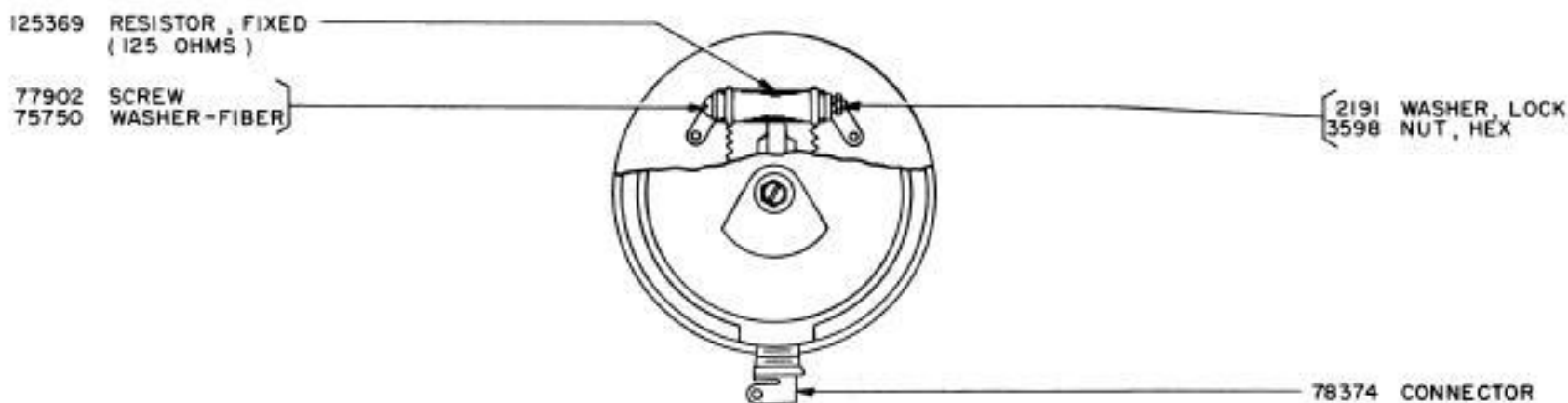
SECTION III

OLD STYLE PARTS

PAGES III-1 THROUGH III-3

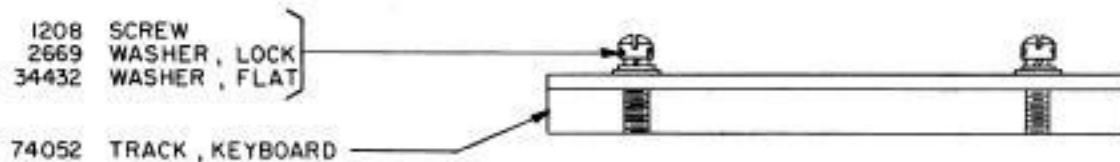


RIBBON FEED PARTS
(OLD STYLE - SEE PAGE I-21 FOR NEW STYLE)



REMOTE SIGNAL BELL - OLD STYLE
(SEE PAGE I-65 FOR NEW STYLE)

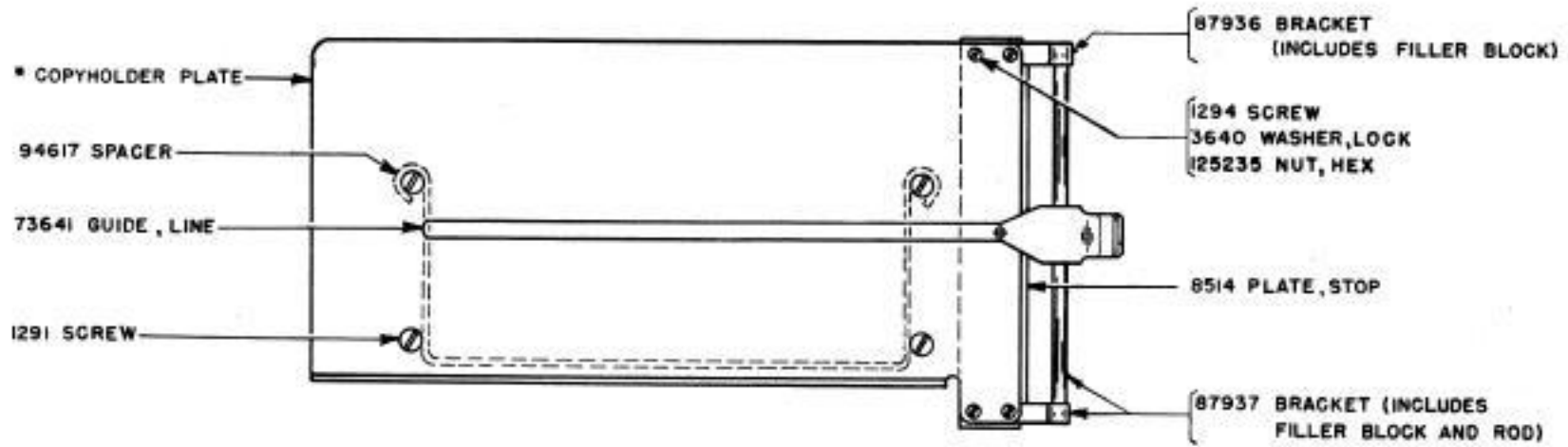
82363 SIGNAL BELL SUPERSEDED BY 110763
80564 SIGNAL BELL SUPERSEDED BY 110761
80565 SIGNAL BELL SUPERSEDED BY 110762



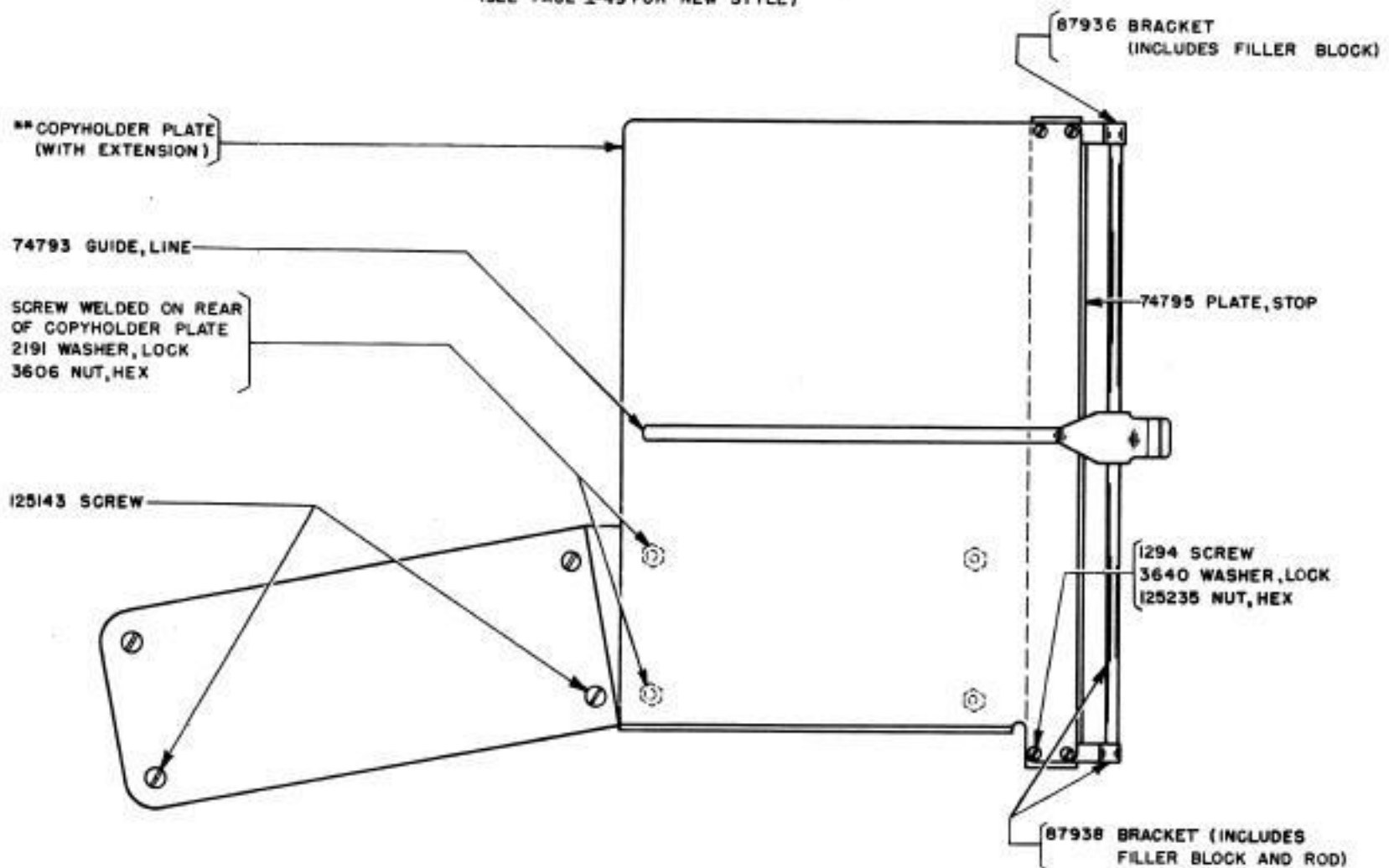
KEYBOARD TRACK
(SEE PAGE I-1 FOR NEW STYLE)

(A) AND (B) SEE SEC. IV FOR EXPLANATION

(ONLY PARTS LISTED ABOVE ARE AVAILABLE FOR MAINTENANCE)



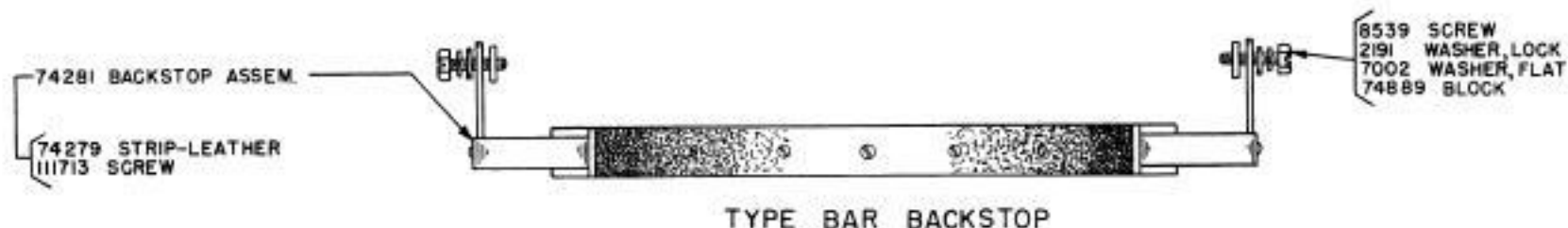
COPYHOLDER - 6" (OLD STYLE)
(SEE PAGE I-49 FOR NEW STYLE)



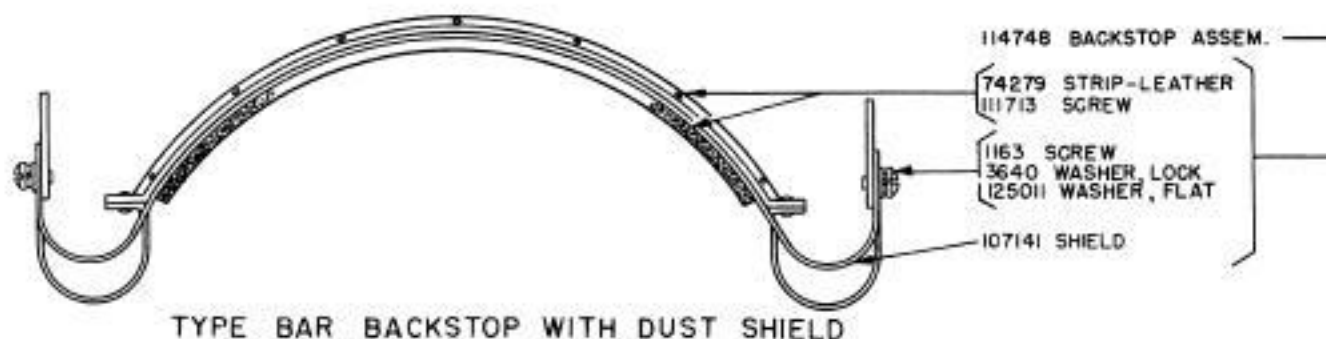
COPYHOLDER - 12" (OLD STYLE)
(SEE PAGE I-49 FOR NEW STYLE)

* THE OLD STYLE COPYHOLDER PLATE IS NO LONGER AVAILABLE. WHEN IT BECOMES NECESSARY TO REPLACE AN OLD STYLE COPYHOLDER PLATE, A NEW STYLE COPYHOLDER PLATE, SHOWN ON PAGE I-49, ALONG WITH ONE 110920 ROD, ONE 2191 LOCK WASHER AND ONE 3598 NUT SHOULD BE ORDERED INSTEAD.

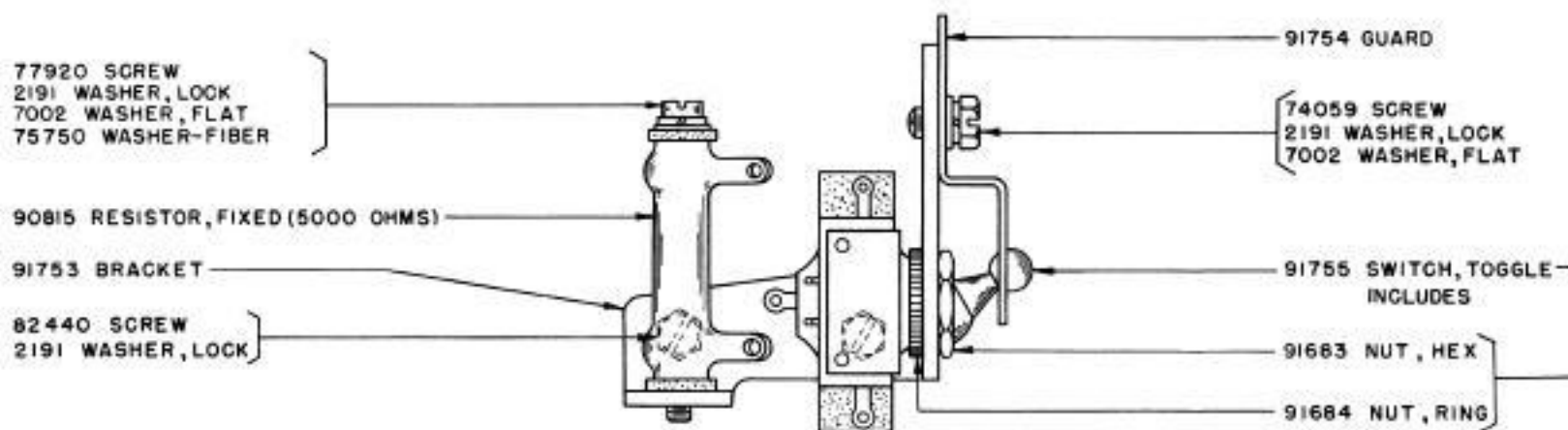
** THE OLD STYLE COPYHOLDER PLATE (WITH EXTENSION) IS NO LONGER AVAILABLE. WHEN IT BECOMES NECESSARY TO REPLACE AN OLD STYLE COPYHOLDER PLATE (WITH EXTENSION), A COMPLETE NEW STYLE 12" COPYHOLDER (WITH EXTENSION), SHOWN ON PAGE I-49, SHOULD BE ORDERED INSTEAD.



TYPE BAR BACKSTOP

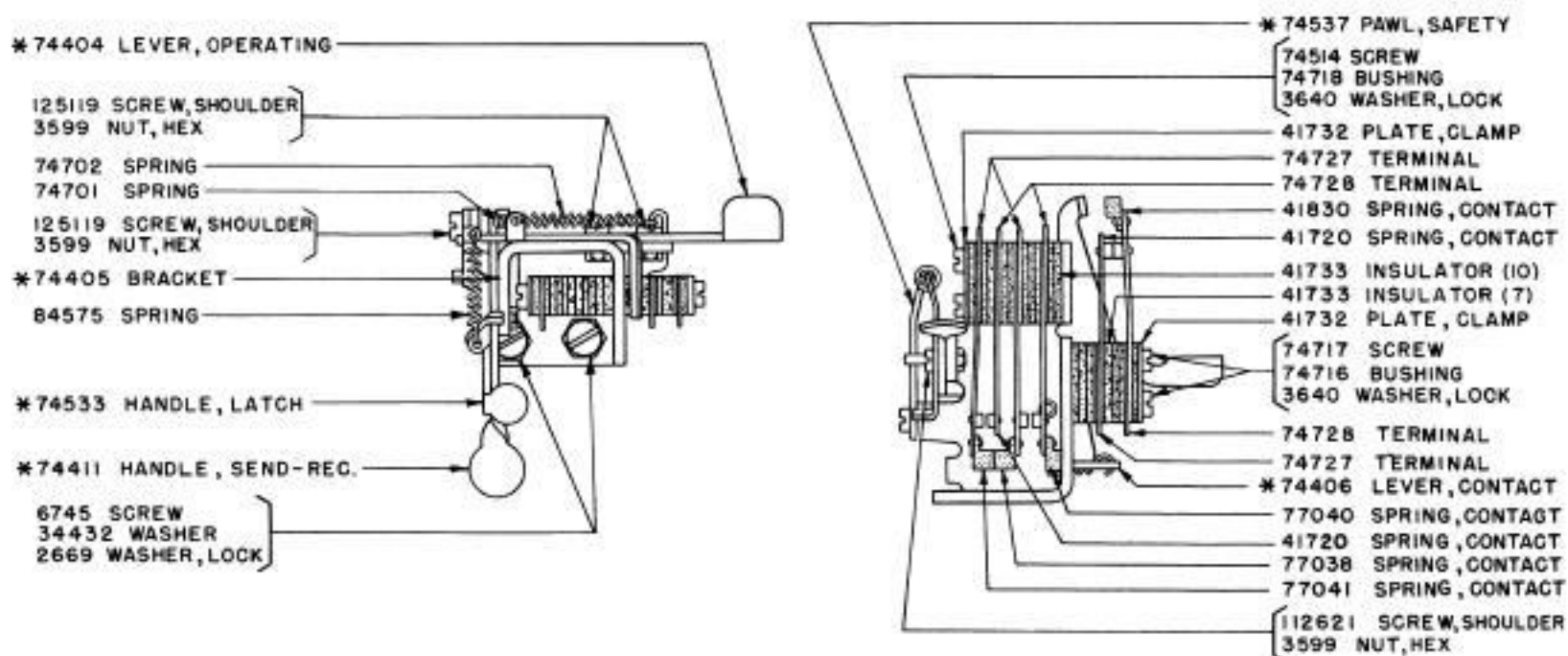


TYPE BAR BACKSTOP WITH DUST SHIELD

91898 CABLE

94490 "SERIES PARALLEL" SWITCH & RESISTOR BRACKET ASSEMBLY

(ALSO SEE SEC IV, PARAGRAPH FOR PAGE I-31 (B))



74428 SEND-REC-BREAK MECHANISM ASSEMBLY

NOTE: * INDICATES AN OLD STYLE PART WHICH IS NO LONGER FURNISHED. WHEN IT BECOMES NECESSARY TO REPLACE ANYONE OF THESE PARTS A COMPLETE NEW STYLE 82917 SEND-REC. BREAK MECHANISM ASSEM. SHOULD BE ORDERED. ALL OTHER OLD STYLE PARTS ARE STILL AVAILABLE FOR MAINTENANCE PURPOSES.

SECTION IV

NOTES OF EXPLANATION

PAGES IV-1 THROUGH IV-4

PAGE I-1

- (A) The 74720 thumb screw has been redesigned to include a captive lock washer, preassembled. The 2322 lock washer previously used is still available for use with the old style thumb screw.

PAGE I-2

- (A) The 99816 base has provisions for mounting the 99745 line and selector jack. The 74719 base does not have such provisions.

PAGE I-5

- (A) The 2980 retaining strap is used only when the 74430 bracket and 73670 terminal block are not used.
- (B) The 103746 resistor (5 ohm) is added in series with the 1 mf. capacitor in the governor circuit to improve the effect of this circuit when D.C. power is used.

PAGE I-6

- (B) The 1245 screws are replaced by 86850 screws when mounting capacitor on top of base (without 74814 relay mounting assembly).

PAGE I-12

- (A) In order to obtain a more flexible adjustment the 6800 screw (shoulder) has been replaced by a 107485 screw (eccentric shoulder).

PAGE I-16

- (A) To permit adjustment of the selector clutch torque without the necessity of removing the selector cam sleeve, a 119540 keyed nut, a 122974 capstan nut, and a 122838 spacer replace the 72517 nut and 72515 keyed nut.

Shims formerly supplied to adjust the selector clutch torque in the field are still available under the following numbers:

96763 Shim (0.012" thick) 96764 Shim (0.016" thick) 96765 Shim (0.020" thick)

Old and new style parts are not individually interchangeable but are interchangeable in sets.

PAGE I-19

- (A) In order to eliminate the possibility of erroneously gaining a fifth pulse, the following changes have been made:

The 74184 code bar No. 5D has been replaced by a 114432 code bar No. 5N which has additional portions cut away to reduce its weight. The 74025 bell crank No. 5 (0.050" thick) has been replaced by a 114139 bell crank No. 5 (0.025" thick). The 74199 bushing (shoulder 0.057" thick) has been replaced by a 113872 bushing (shoulder 0.032" thick). When either the 74025 bell crank or the 74199 bushing requires replacement, both parts must be replaced by new parts as the new style parts are not interchangeable with old style parts.

- (B) The 87509 spring post (threaded) has replaced the 8486 spring post (not threaded). The 74244 printing bail, which is now tapped, includes the 87509 spring post. Old style 74244 printing bails (not tapped) necessitate the use of the 8486 spring post for replacement purposes.

PAGE I-23

- (A) The 74041 type bar basket has been modified for use with two-color ribbon control and has been assigned part number 97380. It should be ordered under this number when required for use with two-color control.

PAGE I-24

- (A) The 74264 platen shaft has been redesigned, but retains its original number. The new design differs from the old design in that it has a hole near the left end for a 104995 pin instead of a tapped hole for the 80255 screw. The 80255 screw, however, is still available for maintenance purposes on the old style shafts.
- (B) The 74446 line feed ratchet (33 teeth) and the 74447 detent ratchet (33 teeth) are used for the standard single line feed of six lines per inch.
- (C) On typing units equipped with aluminum platen brackets a 55088 platen balance spring is required. However, the 74706 spring is still used on units having cast iron platen brackets.
- (D) The 105029 collar is used only when the portion of the hub on the platen extending beyond the line feed ratchet is removed.
- (E) The 135771 screw is used on units equipped with aluminum cross bars. A 6811 screw replaces the 135771 screw on units equipped with cast iron cross bars.

PAGE I-25

- (A) Units equipped with one roller per shaft have four 104473 spacing collars in place of the four end rollers.

The 114657 spring is used in place of a 74708 spring on these units.

- (C) On friction feed units equipped with the ribbon lock-out feature for stencil cutting, a 74371 ribbon carrier should be ordered.

PAGE I-26

- (A) The 117313 paper spindle, for all widths of paper, has replaced all of the old wooden spindles. Wooden spindles are no longer available, however, the 74877 spring used on these spindles is still available for maintenance purposes.

PAGE I-27

- (A) The 89858 pressure roller (long), which is 1/16" longer than the standard 80413 pressure roller, has been designed for use on sprocket feed printers handling forms which have sprocket holes on the left-hand side only of the carbon and on the right-hand side only of the paper.
- (B) The 107174 paper stripper replaces the 80398 pulley and 80399 paper carrier belt. However, the 80398 pulley and 80399 paper carrier belt are still available for maintenance purposes.
- (D) On sprocket feed units equipped with the ribbon lock-out feature for stencil cutting, a 74875 ribbon carrier should be ordered.

PAGE I-31

- (B) The 113703 or 113704 terminal block assembly (series - parallel) replaces the series parallel switch and resistor bracket assembly.

The old style 94490 series-parallel switch assembly, however, is available for maintenance purposes until present stock is exhausted. (See Page III-3).

PAGE I-34

- (A) A 119925 elastic stop nut, replacing the 2191 lock washer and 3598 nut, and a 71047 shim has been added to units equipped with the send-receive-break mechanism operating on "double blank" operation. For "single blank" operation the 71047 shim is not used.

PAGE I-35

- (A) The 90103 set of parts for converting Model 15 printer sets, equipped with spring cushion keytops, to disseminate weather map data consists of the function levers marked (A) (4708 spring used with 84060), 82750 type pallets and 90101 spring cushion keytops listed on pages I-35, I-36, I-39 and I-40, respectively.
- (B) 107160 set of parts to convert to weather map service consists of the function lever marked (B) (4708 spring used with 84060), (1) 74185 pull bar, (1) 7634 pull bar spring, (1) 84734 type bar with pallet (-), 107159 set of type pallets and 92154 set of parts for converting send-receive-break mechanism from single to double blank operation. (See pages I-34, I-35, I-36 and I-37).

PAGE I-43

- (A) The MU3 motor unit includes a 80913 resistor (illustrated on page I-45) for operation at 25 cycles.

PAGE I-47

- (A) The 104572 arm (new style) has replaced the 82411 bracket, 82412 bracket and 82413 arm (old style parts). Old style parts are no longer available.
- (B) The original screws (unslotted #6-32) welded to the cover have been replaced by smaller screws (unslotted #4-36) to provide clearance of slotted mounting bracket. On new style covers the 125235 nuts are used in place of the 83885 nuts formerly used to secure the range finder door and cover door.

PAGE I-51

- (A) In order to maintain the specified clearance between the tabulator stop and the escapement pawl the following changes have been made:

The 86759 tabulator bar has been replaced by a 124033 tabulator bar which has a piece of drill rod soldered in a "V" groove. The 86762 and 86763 tabulator stops have been replaced by 124034 and 124035 tabulator stops also having "V" grooves. New or old style tabulator stops may be used with old style tabulator bar. New style tabulator bar can only be used with new style tabulator stops.

PAGE I-52

- (A) For 1-5/6" long forms a 136394 cam (with 3 notches) replaces the standard 121112 cam. The 136394 cam is not a part of the set of parts and must be ordered separately.

(B) Gears available for use with the 121130 platen indexing mechanism are as follows:

LENGTH OF FORM (INCHES)	GEAR SET NUMBER	PLATEN SHAFT GEAR		IDLER GEAR	
		NUMBER	TEETH	NUMBER	TEETH
1-5/6	* 121221	121184	40	121184	40
2	121214	121174	55	121173	20
2-1/2	121215	121176	44	121175	20
3	121216	121178	44	121177	24
3-2/3	135266	135265	42	121179	28
4	121218	121180	44	121181	32
4-1/2	121219	121182	44	121183	36
5	121220	121182	44	121184	40
5-1/2	121221	121184	40	121184	40
6-1/2	121223	121186	33	121187	39
7	121224	121189	33	121188	42
7-1/3	126993	121189	33	121180	44
7-1/2	121225	121189	33	121190	45
8	121226	121127	33	121191	48
8-1/2	121227	121127	33	121128	51
11	121232	121196	22	121176	44

*136394 cam assembly (with 3 notches) required for the 1-5/6 inch forms.
See paragraph (A) for page I-52.

PAGE I-55

- (A) To facilitate adjustment, the 115790 set of parts also includes two (2) 1169 pressure roller adjusting screws to replace the 1269 pressure roller adjusting screws (illustrated on Page I-25).

PAGE I-56

- (A) The 111017 screw replaces 8543 screw which is used to secure the 74437 slide bar. The 74722 washer is used between the slide bar and platen brackets to lower the ribbon oscillator.

PAGE I-57

- (A) The 129966 hub and 117314 spring have replaced the 120714 hub to permit proper functioning of the paper straightener rod. New and old style parts are interchangeable.

PAGE III-1

- (A) The 110352 set of parts (page I-21) has replaced the 80342 screw, 3606 nut and the 70793 washer. However, the 80342 screw, 3606 nut and 70793 washer are available as maintenance parts for old style units. New and old style parts are not individually interchangeable.
- (B) The 74344 reverse arm (right) and 74345 reverse arm (left) have been replaced by a 93168 reverse arm (right) and 93167 reverse arm (left) (page I-21). The new reverse arms have been designed to prevent the ribbon from falling out by making the opening of the slot for the ribbon at the top instead of the bottom.

NOTE:

A double asterisk (**) following a part or assembly number designates a two-letter suffix which denotes the paint finish. The following finishes are now available:

Black Wrinkle	- AA	Light Brown Wrinkle	- AC
Gray Green Wrinkle	- AB	Dark Brown Wrinkle	- AD

In addition to the colors listed above other colors may be provided on request.

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