



BULLETIN 1169B

4/75

PARTS

MODEL *28 Automatic*

SEND-RECEIVE SET (ASR)



TELETYPE[®]
CORPORATION

5555 TOUHY AVENUE, SKOKIE, ILLINOIS

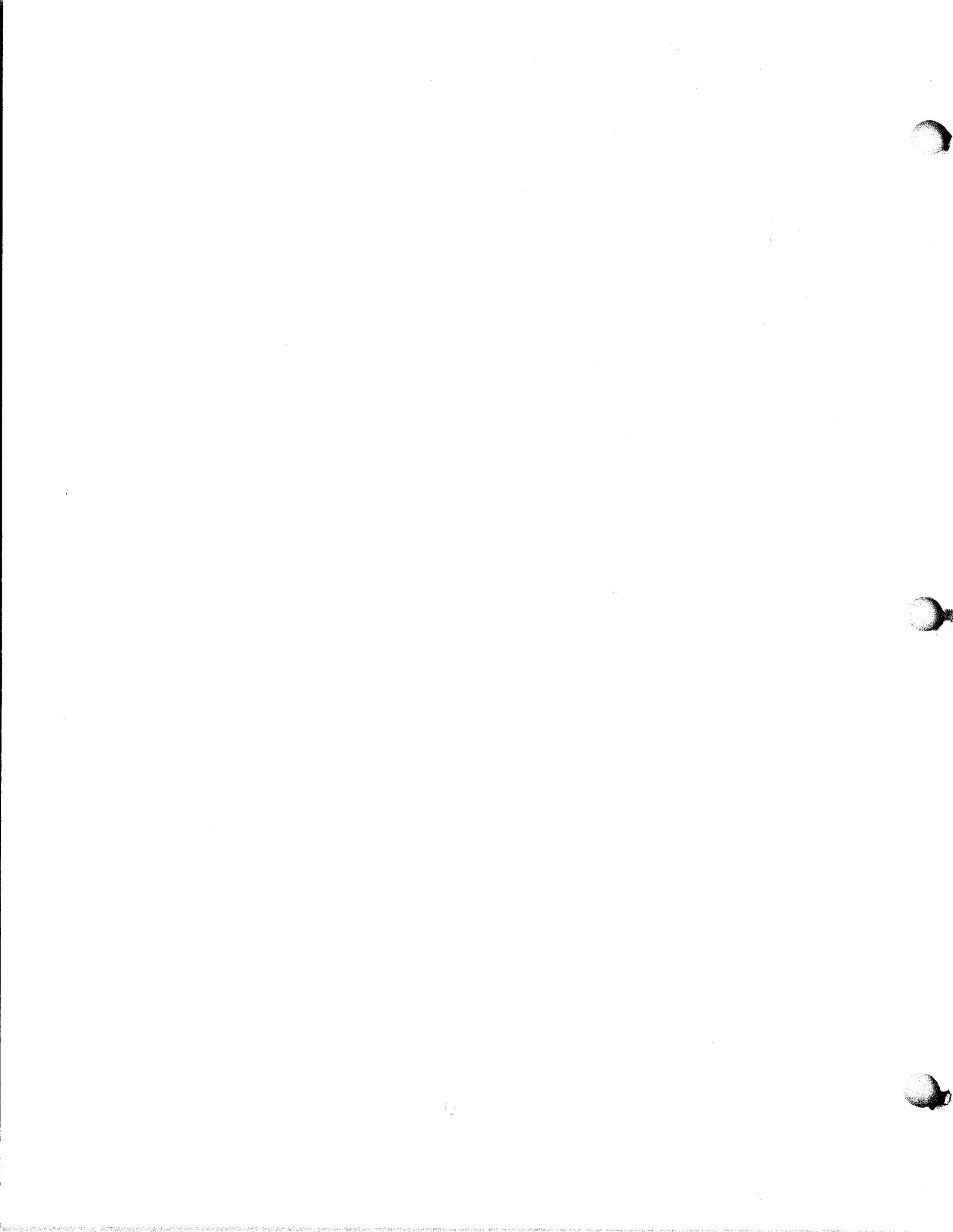
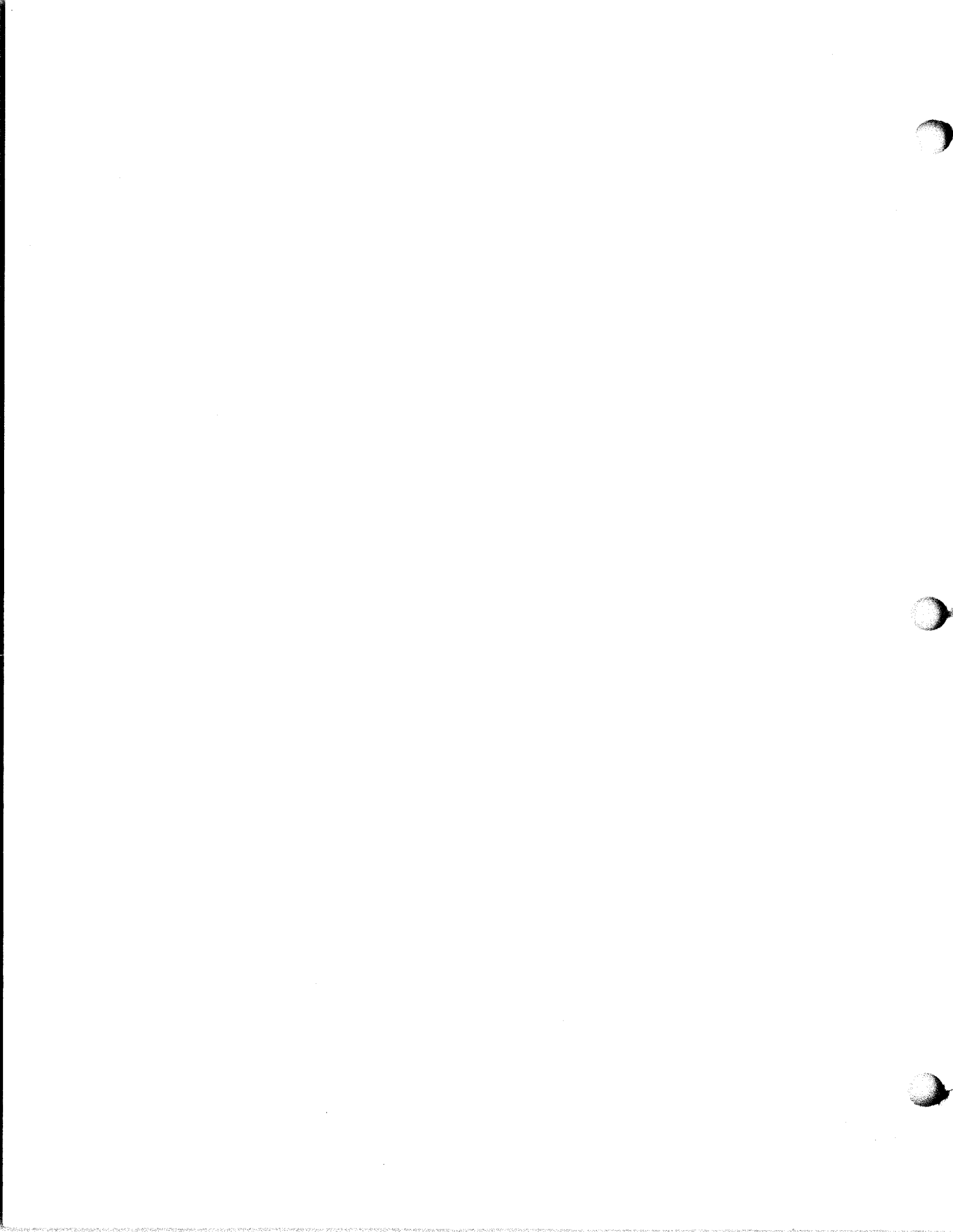


TABLE OF CONTENTS

SECTION	TITLE	ISSUE	DATE
573-115-800TC	28 and 29 Typing Unit (LP)	*4	April 1975
573-117-800TC	28 and 29 Automatic Send-Receive Keyboard (LAK)	3	June 1971
573-128-800TC	28 Transmitter Distributor Base (LCXB)	3	May 1970
573-133-802TC	28 Electrical Service Unit (LESU) for Automatic Send-Receive Set	3	December 1970
573-134-802TC	28 Automatic Send-Receive Cabinet (LAAC)	4	December 1970
573-134-803TC	28 Keyboard With Perforator Cover (LBPC)	1	September 1965
573-139-800TC	28 Perforator, Non-Typing (LPE) and Typing (LTPE)	2	October 1968

NOTE: For motors refer to bulletin 295B

* Indicates revised section



TELETYPE CORPORATION
Skokie, Illinois, U.S.A.

SECTION 573-115-800TC
Issue 4, April 1975

28 and 29 TYPING UNIT (LP)

PARTS

1953, 1961 and 1964 by Teletype Corporation
All rights reserved
Printed in U.S.A.

Page i

SECTION 573-115-800TC

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
1	Left and Right Side Frame Mechanism	4	45	Function Levers	44
2	Pressure Roller Mechanism	5	46	Switch Assemblies and Components	45
3	Space Suppression Mechanism	6	47	Switch Assemblies and Components	46
4	Space Suppression, Stunt Shift Control and Codebar Suppression Mechanism (8-Level)	7	48	Cable Assemblies	47
5	Space Suppression Mechanism	8	49	Function Bars	48
6	Print Suppression Mechanism	8	50	Function Bar Condition Chart	49
7	Electrically Operated Letters Shift Mechanism	9	51	Function Bar Condition Chart	50
8	Page Feed-Out and Form Starter Mechanism	10	52	152302 (Sprocket Feed) and 155763 (Friction Feed) Modification Kits to Provide Page Feed-Out on Upper Case "Z"	51
9	Paper Spindle and Reset Bail Mechanism	11	53	152303 and 176821 Modification Kits to Provide Page Feed-Out Transmitter Control	52
10	Paper Spindle and Reset Bail Mechanism	12	54	154780, 164476 and 178141 Modification Kits to Provide Horizontal Tabulator XD Control	52
11	Reset Bail Mechanism - Early Design	12	55	Page Feed-Out Form Length Gear and Disk Modification Kits	53
12	Sprocket Feed Mechanism	13	56	Modification Kits to Provide Horizontal Tabulation	54
13	Line Feed and Platen Mechanism	14	57	Modification Kits to Provide Horizontal Tabulation (Continued)	55
14	Left Side Linkage and Rocker Shaft Mechanism	15	58	Modification Kits to Provide Horizontal Tabulation (Continued)	56
15	Left Side Linkage and Stripper Blade Mechanism - Early Design	16	59	159362 Modification Kit to Provide Spacers for Centering Narrow Paper Roll on Spindle	57
16	Right Side Linkage and Typebox Carriage Mechanism - Early Design	16	60	151799 Modification Kit to Provide Latches for Paper Spindle	57
17	Right Side Linkage and Typebox Carriage Mechanism	17	61	152315 and 154743 Modification Kits to Provide Manual Selection of Stunt Box Operation	57
18	Main Shaft Mechanism	18	62	154727 Modification Kit to Provide Auxiliary Connector	58
19	Main Shaft Mechanism	19	63	152317 Modification Kit to Provide Horizontal Tabulator XD Control	58
20	Spacing, Line Feed and Function Clutches - Early Designs	20	64	152337, 157509 and 173283 Modification Kits to Provide On-Line Stunt Shift Control	59
21	Trip Shaft Mechanism	21	65	153912 Modification Kit to Provide Figs-Ltrs Codebar Manual Shifting	60
22	Carriage Return and Spacing Drum Mechanism	22	66	152312 Modification Kit to Convert Printer for Use with Lightweight Set	60
23	Front Plate Mechanism	23	67	160886 and 194093 Modification Kits to Provide Local Form Feed-Out (Receiving Only Base)	60
24	Front Plate Mechanism	24	68	152340 Modification Kit to Provide Multi-Copy Paper Handling	61
25	Front Plate Mechanism (8-Level)	25	69	153910 Modification Kit to Provide Function Suppression for "AZ" Stunt Box	61
26	Front Plate Mechanism	26	70	152345 Modification Kit to Provide Off-Line Stunt Shift Control	62
27	Front Plate Mechanism	27			
28	Codebar Positioning Mechanism	28			
29	Codebar Positioning Mechanism (8-Level)	29			
30	Codebar Positioning Mechanism	30			
31	Selector Mechanism	31			
32	Selector Mechanism (8-Level)	32			
33	Selector Knob Mechanism	33			
34	Selector Magnet Mechanism - Early Design	33			
35	Selector Magnet Mechanism	34			
36	Right Ribbon Feed Mechanism	35			
37	Left Ribbon Feed Mechanism	36			
38	Codebar Mechanism	37			
39	Codebar Mechanism	38			
40	150036 Printing Carriage Assembly	39			
41	Typebox Arrangements	40			
42	Early Design Stunt Box - Major Components	41			
43	Stunt Box - Major Components	42			
44	Shift Mechanism Components	43			

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
71	152350 Modification Kit to Provide Keyboard Lock	63	94	163947 Modification Kit to Provide Improved Manual Platen Line Feed	80
72	153919 Modification Kit to Provide Auxiliary Connector	63	95	163535 and 178301 Modification Kits to Provide Transmitter Control for the Vertical Tabulator	80
73	152915 and 157511 Modification Kits to Provide Local Reverse Line Feed	64	96	164270 Modification Kit to Provide Copy Display	81
74	Sprocket Feed Paper Handling Modification Kits (Typing Unit and Cabinet)	65	97	157514 Modification Kit to Provide Automatic Carriage Return and Line Feed	82
75	Sprocket Feed Paper Handling Modification Kits (Wall Mounted Typing Unit and Cabinet)	66	98	172181 Modification Kit to Provide Copy Display	82
76	153911 Modification Kit to Provide Continuous Spacing	67	99	163146 Modification Kit to Provide Universal Contact	83
77	153911 Modification Kit to Provide Continuous Spacing (Continued from preceding page)	68	100	159366 Modification Kit to Provide a Friction Feed Printer with Paper-Out Alarm	84
78	152348 Automatic Carriage Return and Line Feed and 153945 "O" Codebar and Bellcrank Modification Kits	69	101	179369 Modification Kit to Provide Copy Display	85
79	154742 Modification Kit to Provide Four Lines Per Inch	69	102	Selective Calling Function Lever Modification Kits	86
80	155051 Auxiliary Cable Assembly	70	103	179724, 343755 and 344974 Modification Kits to Provide Two Color Ribbon Printing - Right Side	87
81	154753 Modification Kit to Provide Auxiliary Connector	70	104	179724, 343755 and 344974 Modification Kits to Provide Two Color Ribbon Printing - Left Side (Continued)	88
82	154755 Modification Kit to Provide 5 Spaces Per Inch Horizontally	71	105	194995 and 199245 Modification Kits to Provide Paper Jam Alarm	89
83	159395 Modification Kit to Provide 6 Spaces Per Inch Horizontally	71	106	174043 Modification Kit to Provide Paper Feed Failure Indicator	90
84	163292 Modification Kit to Provide 8 Spaces Per Inch Horizontally	71	107	198394 Modification Kit to Provide Universal Contacts	91
85	154792 Modification Kit to Provide 12 Spaces Per Inch Horizontally	71	108	176420 Modification Kit to Provide Selector with Timing Contacts	92
86	Vertical Tabulation Modification Kits	72	109	154798 Modification Kit to Provide Superfold Friction Feed Paper Handling	93
87	154770 Modification Kit to Provide Vertical Tabulation on Upper Case "J" and "Z" (Includes the 163535 Modification Kit in Figure 95)	73	110	194092 Modification Kit to Provide Paper Motion Alarm	94
88	154778 Modification Kit to Provide External Pulse Shift Feature (Continued on next page)	74	111	194324 Modification Kit to Provide a Paper-Out Alarm Switch	95
89	154778 Modification Kit to Provide External Pulse Shift Feature (Continued from preceding page)	75	112	305035, 305036 and 307065 Modification Kits to Provide Improved Manual Platen Line Feed	96
90	154785 Modification Kit to Provide Universal Contacts	76	113	311456 Modification Kit to Provide Paper Jam Alarm	97
91	152917 and 157510 Modification Kits to Provide Local Backspace	77		Numerical Index	98
92	161280 Modification Kit to Provide On-Line Reverse Line Feed	78			
93	163183 Modification Kit to Provide D. C. Magnet Operated Print Suppression	79			

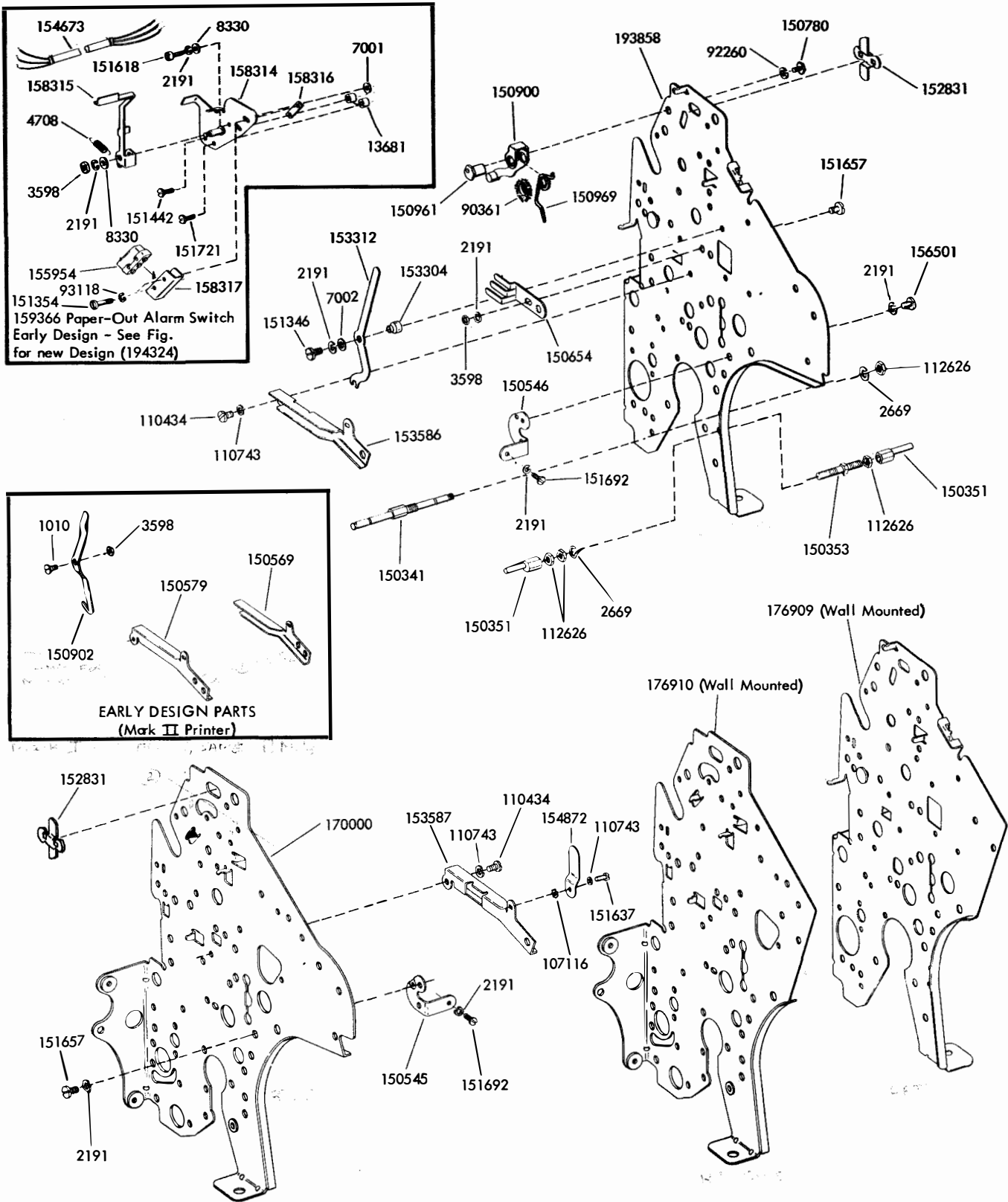
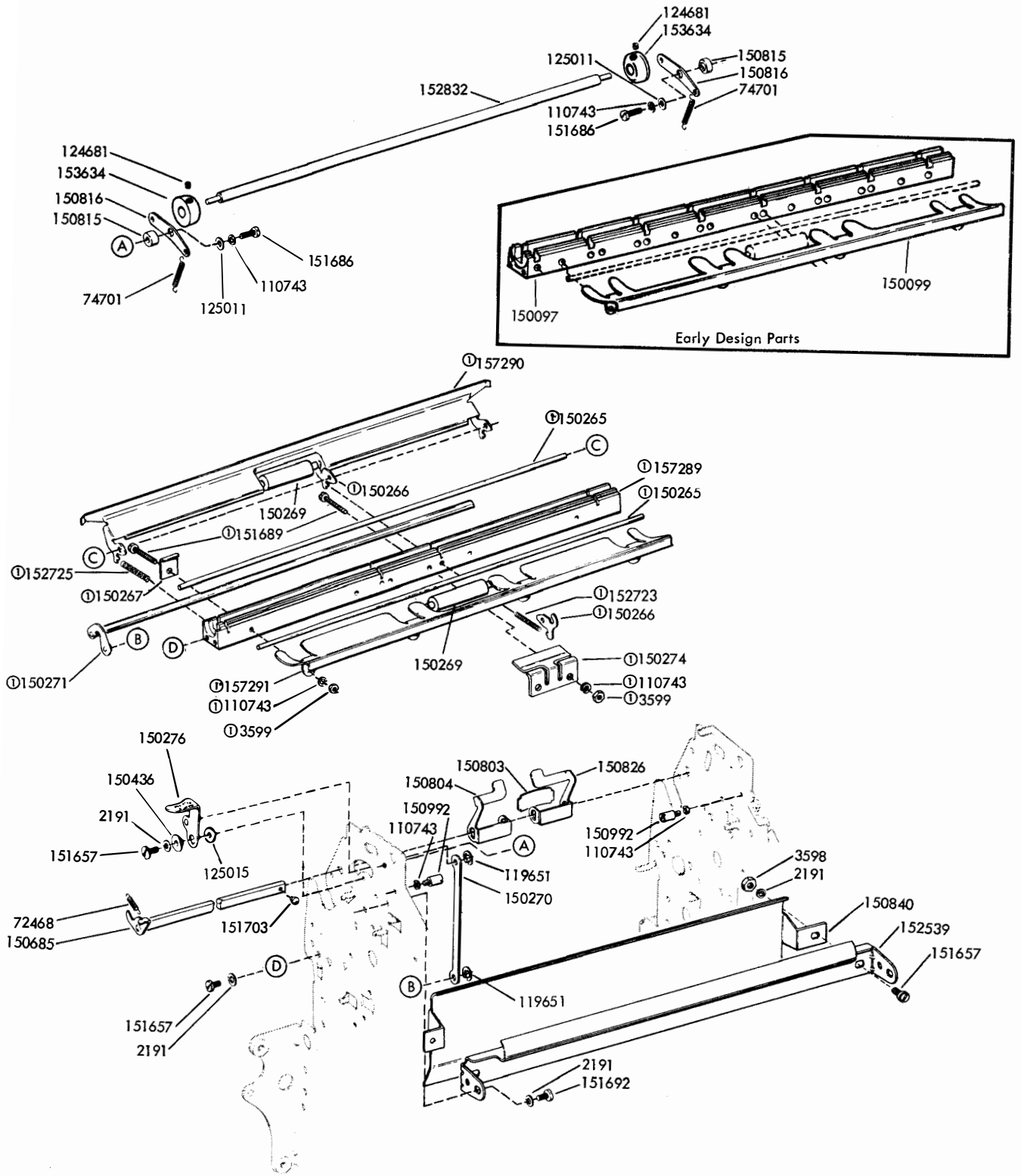


FIGURE 1. LEFT AND RIGHT SIDE FRAME MECHANISM

2) [Faint, illegible text]



Ⓢ 150096 Pressure Roller Assembly

FIGURE 2. PRESSURE ROLLER MECHANISM

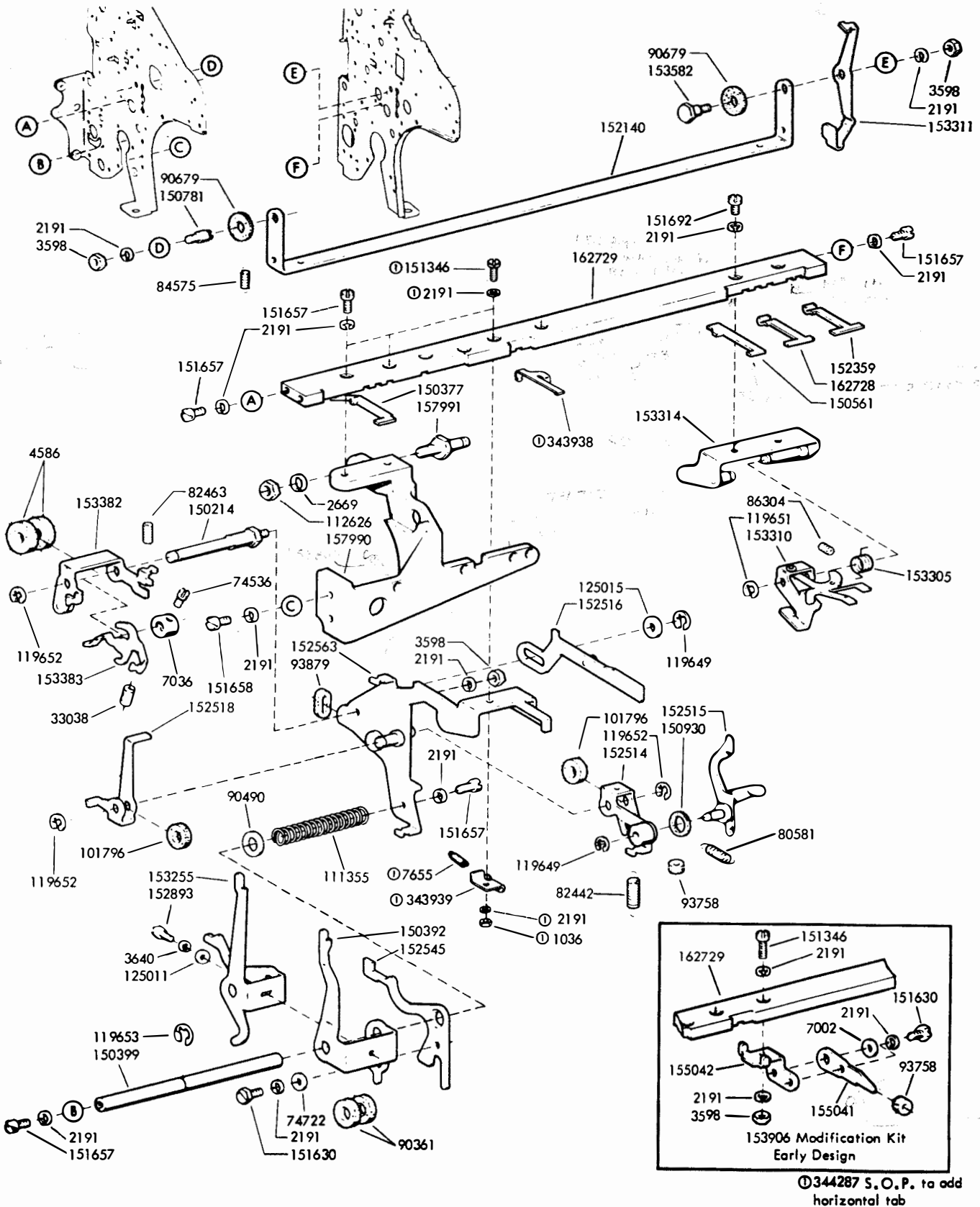


FIGURE 3. SPACE SUPPRESSION MECHANISM

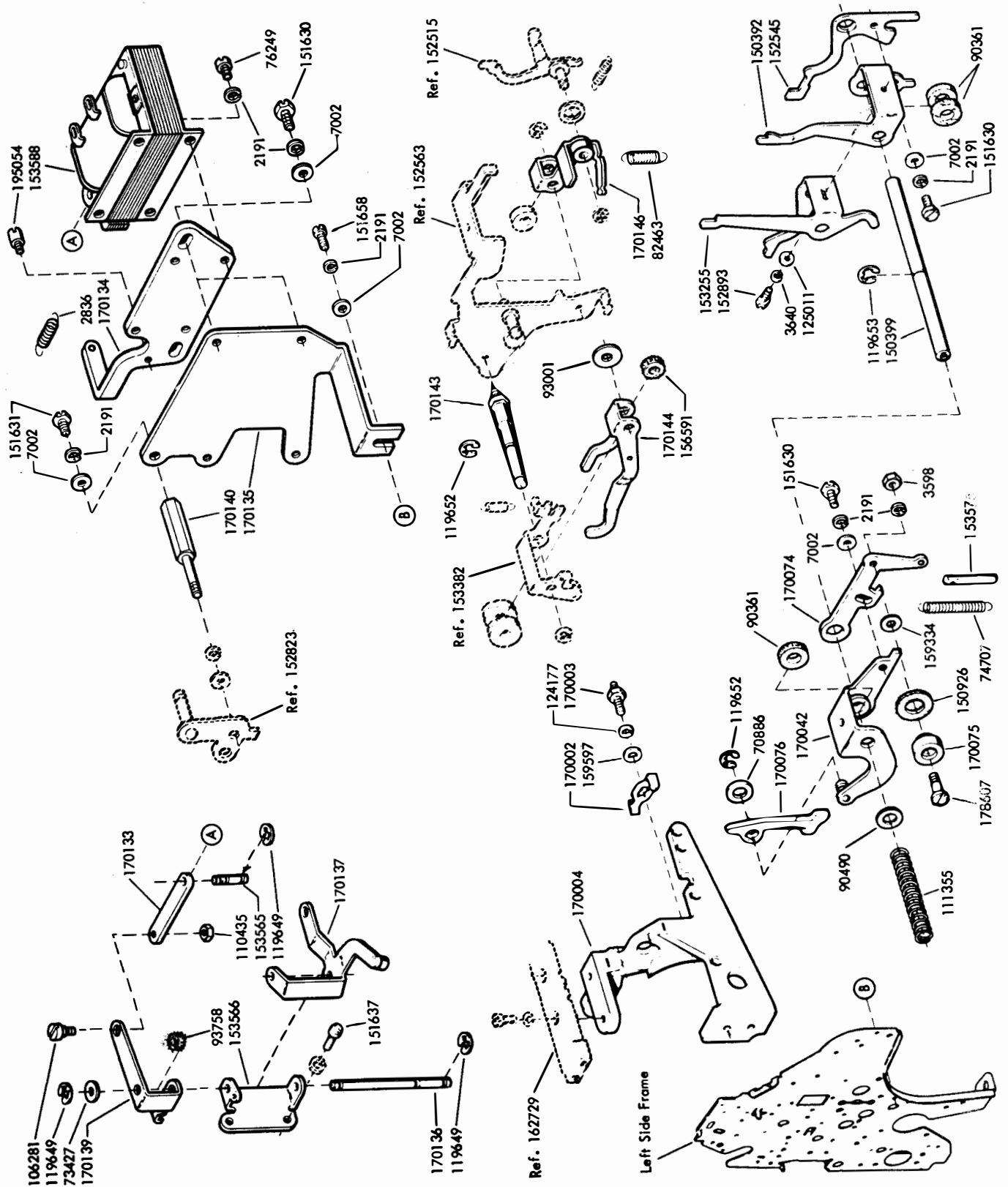
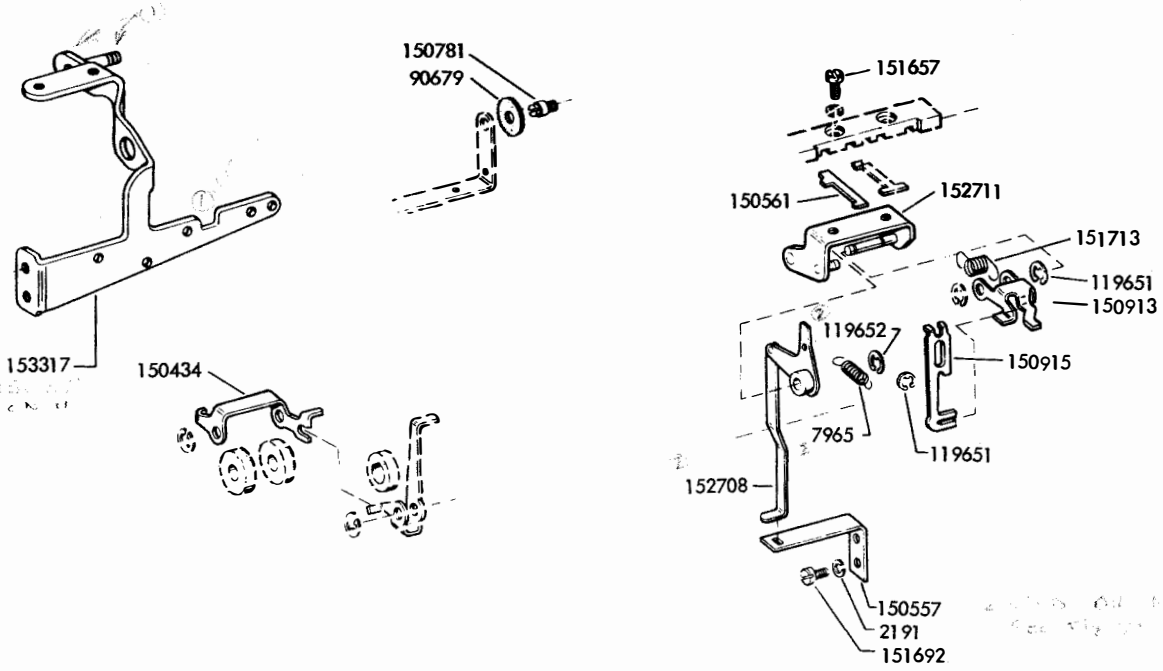


FIGURE 4. SPACE SUPPRESSION, STUNT SHIFT CONTROL AND CODEBAR SUPPRESSION MECHANISM (8-LEVEL)



MARK II PRINTER

See Fig. 3 for New Design

FIGURE 5. SPACE SUPPRESSION MECHANISM - EARLY DESIGN

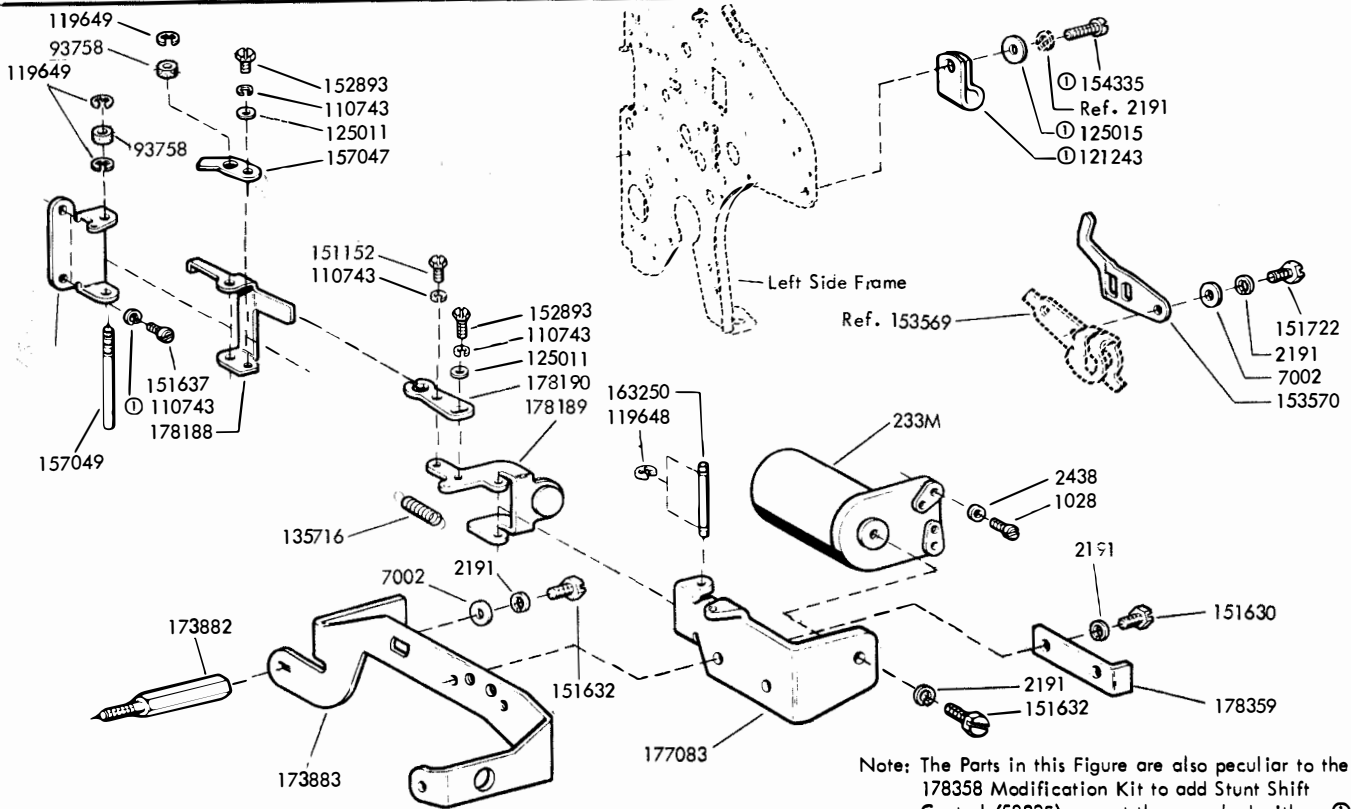
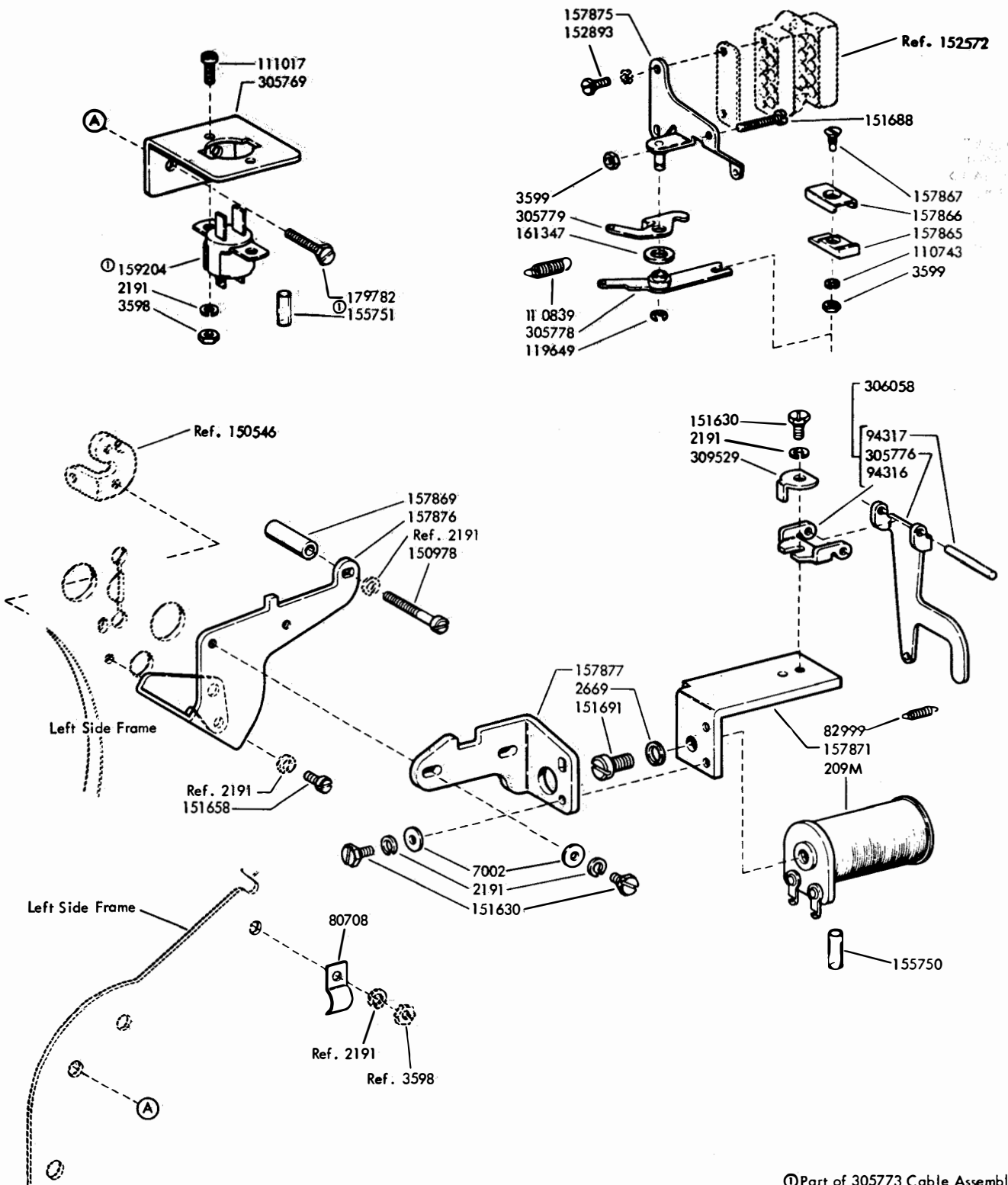


FIGURE 6. PRINT SUPPRESSION MECHANISM



ⓐ Part of 305773 Cable Assembly

FIGURE 7. ELECTRICALLY OPERATED LETTERS SHIFT MECHANISM

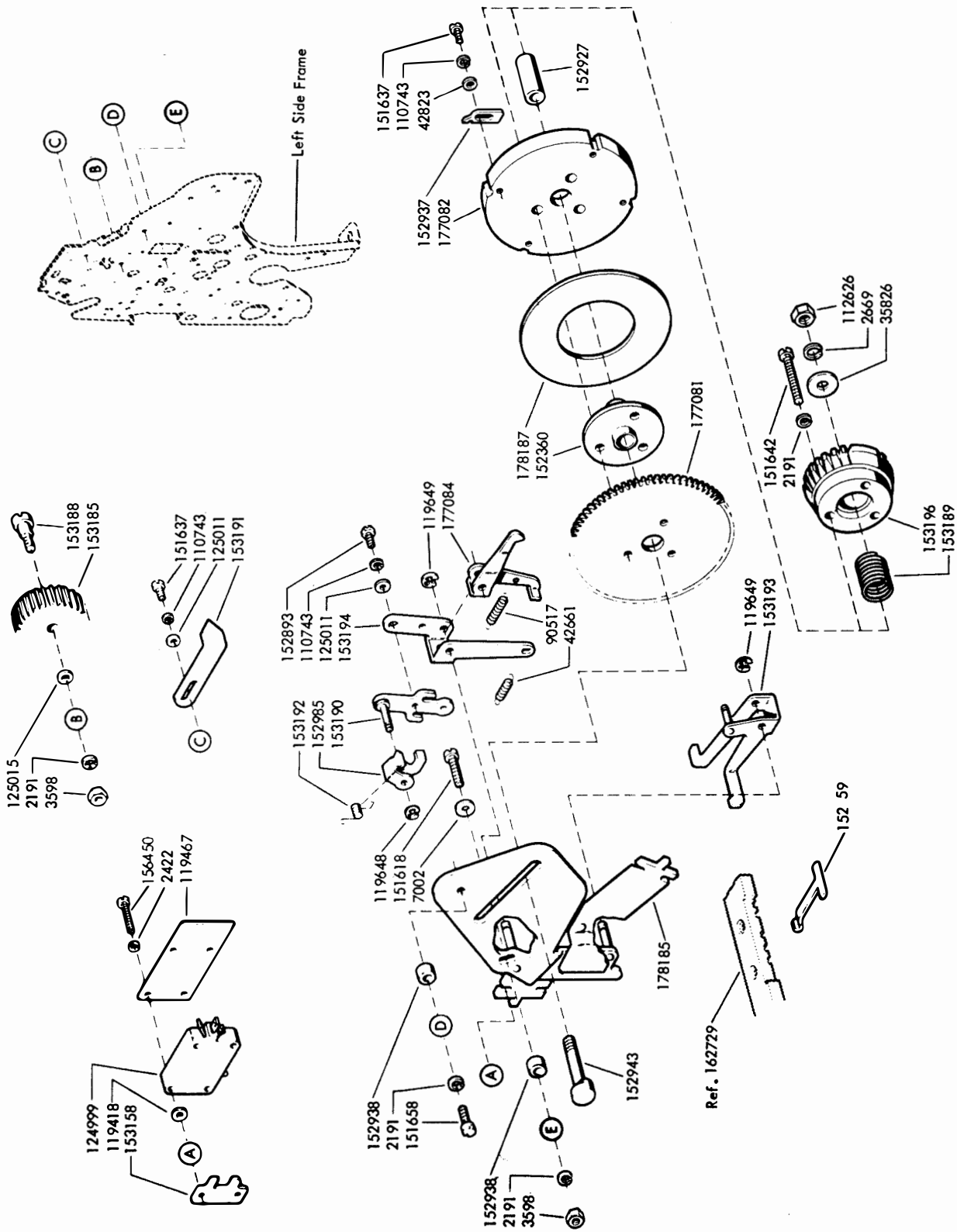
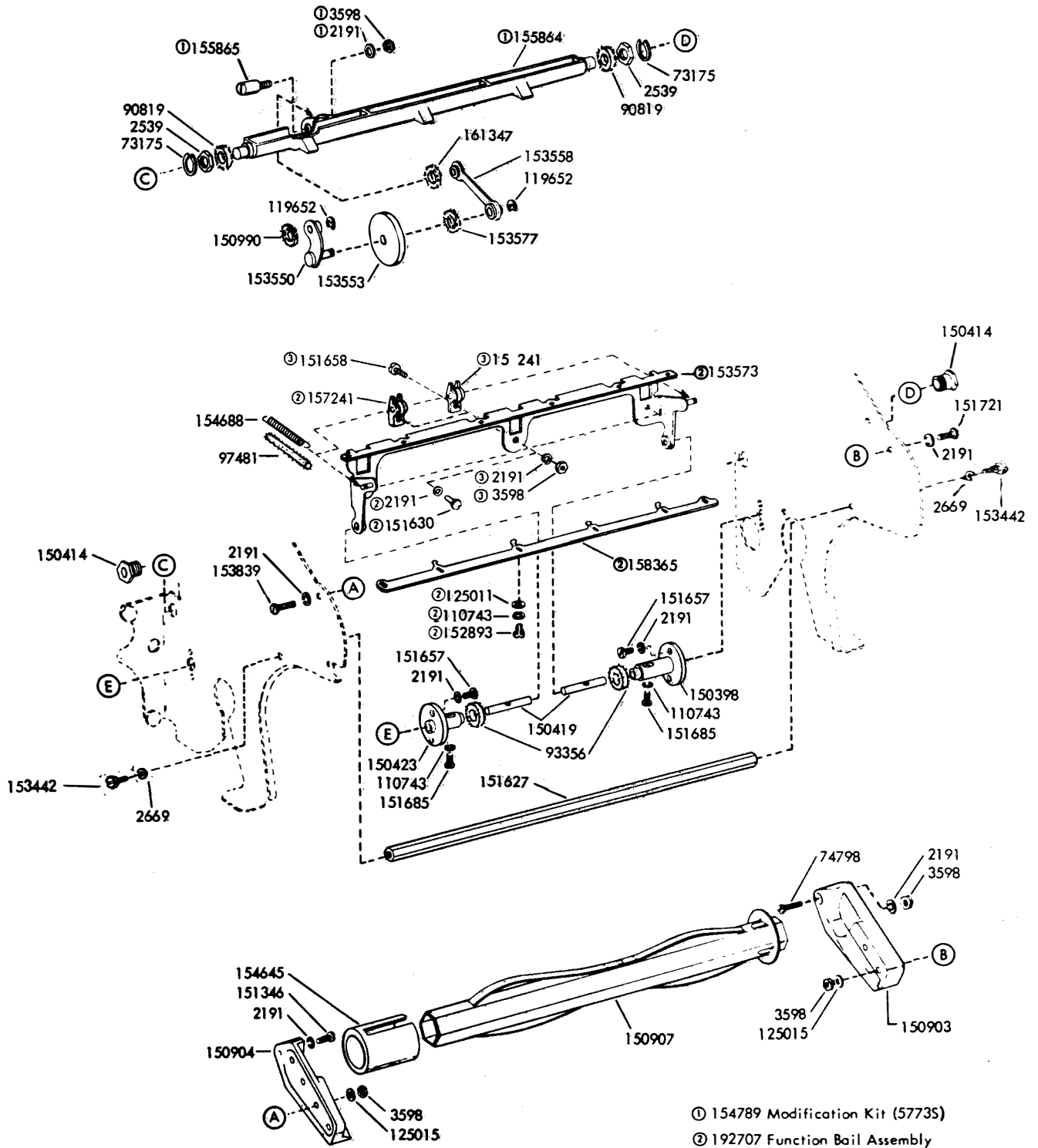
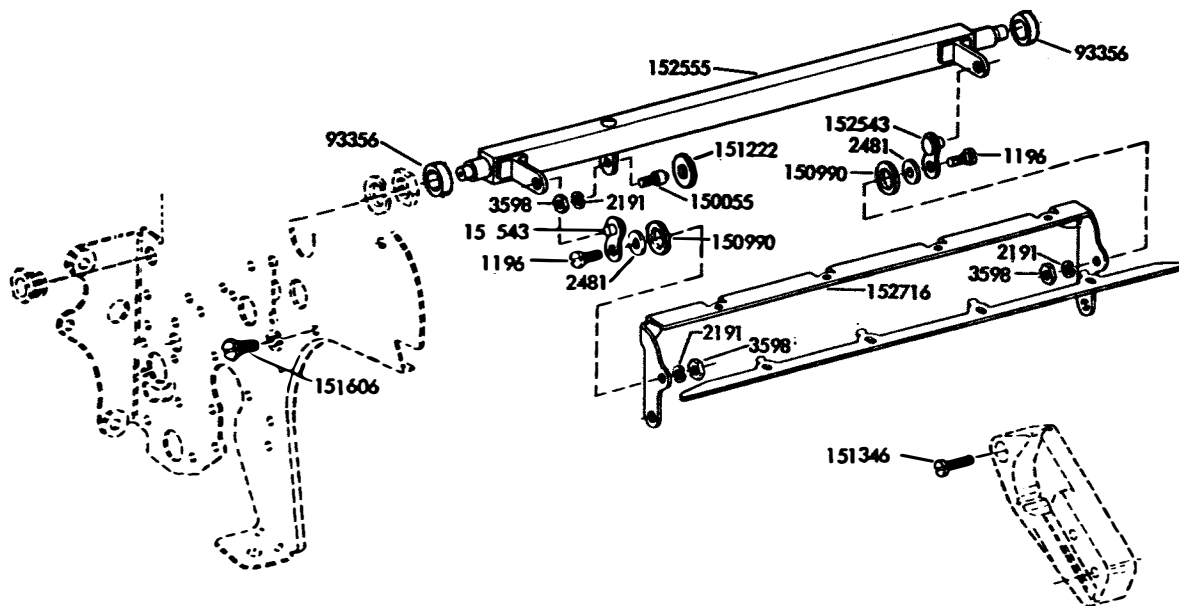


FIGURE 8. PAGE FEED-OUT AND FORM STARTER MECHANISM



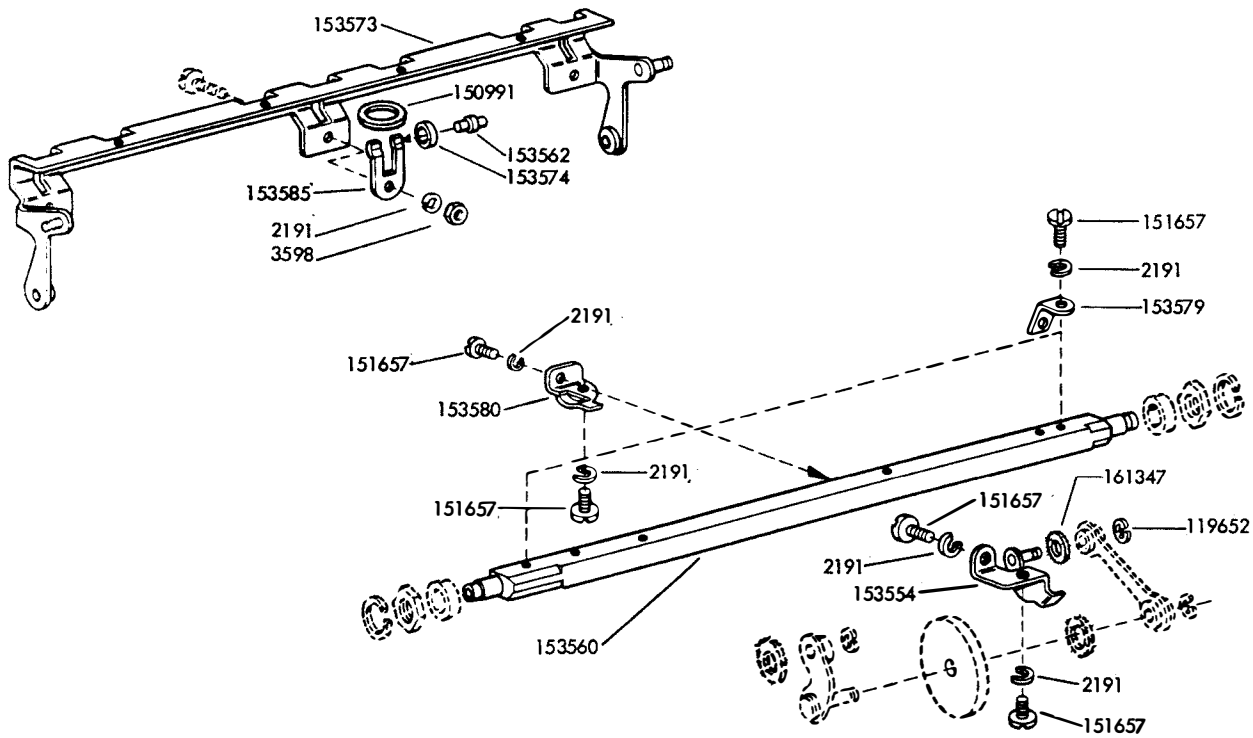
- ① 154789 Modification Kit (5773S)
 - ② 192707 Function Bail Assembly
 - ③ Early Design Parts
- For other Early Design, see Fig. 15 and 16

FIGURE 9. PAPER SPINDLE AND RESET BAIL MECHANISM



MARK II PRINTER

FIGURE 10. PAPER SPINDLE AND RESET BAIL MECHANISM-EARLY DESIGN



See Fig. 9 for New Design

FIGURE 11. RESET BAIL MECHANISM - EARLY DESIGN

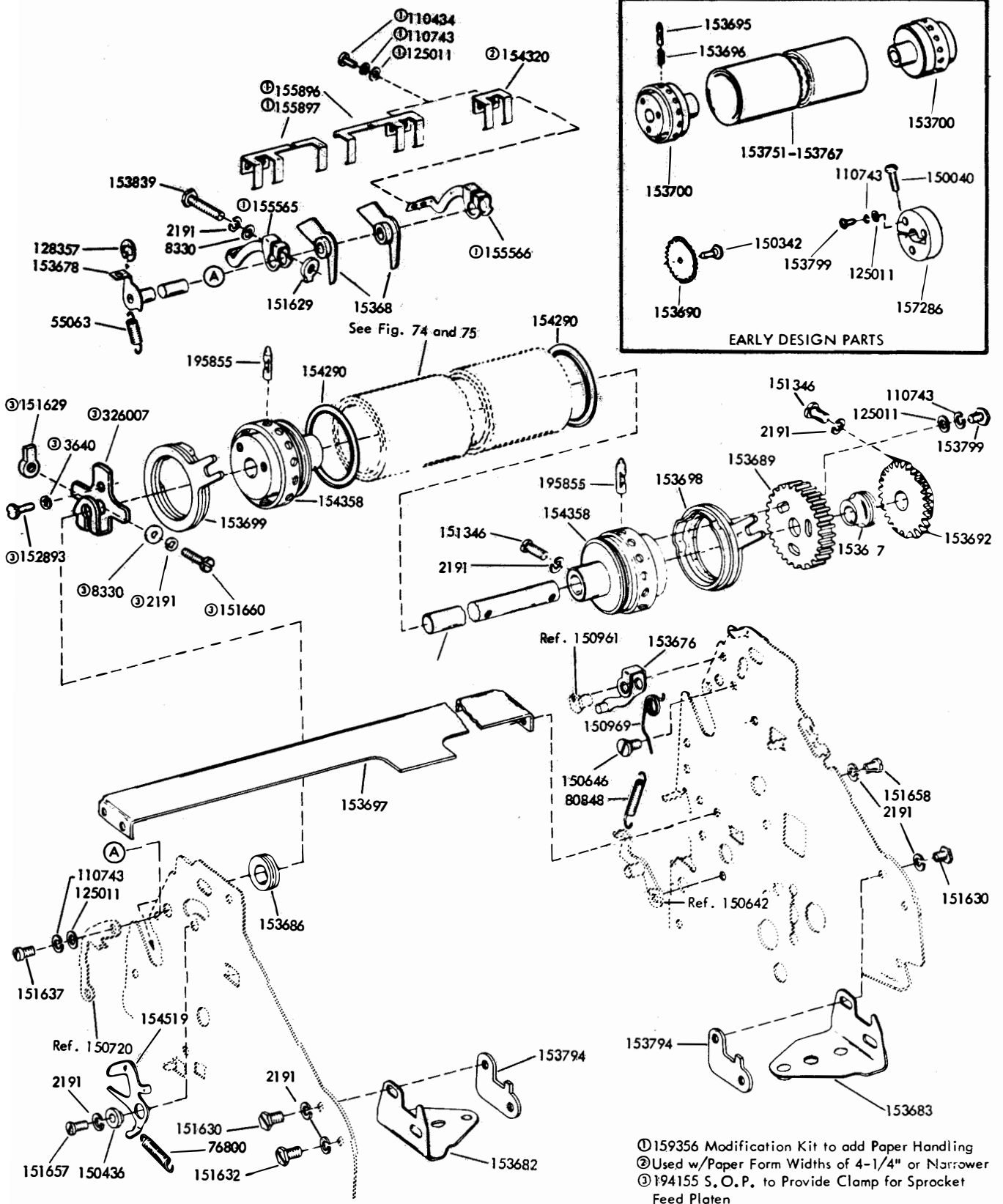
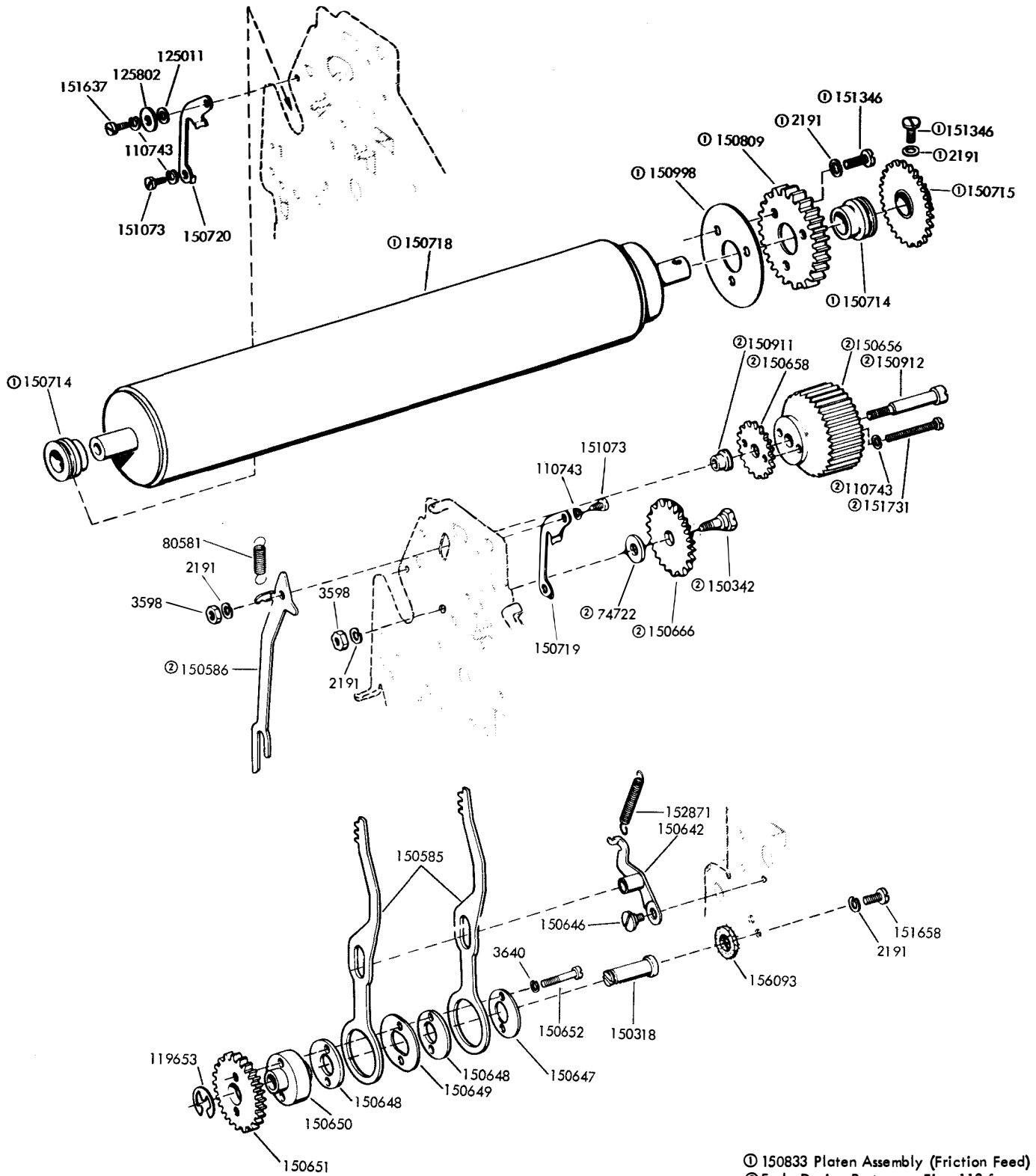
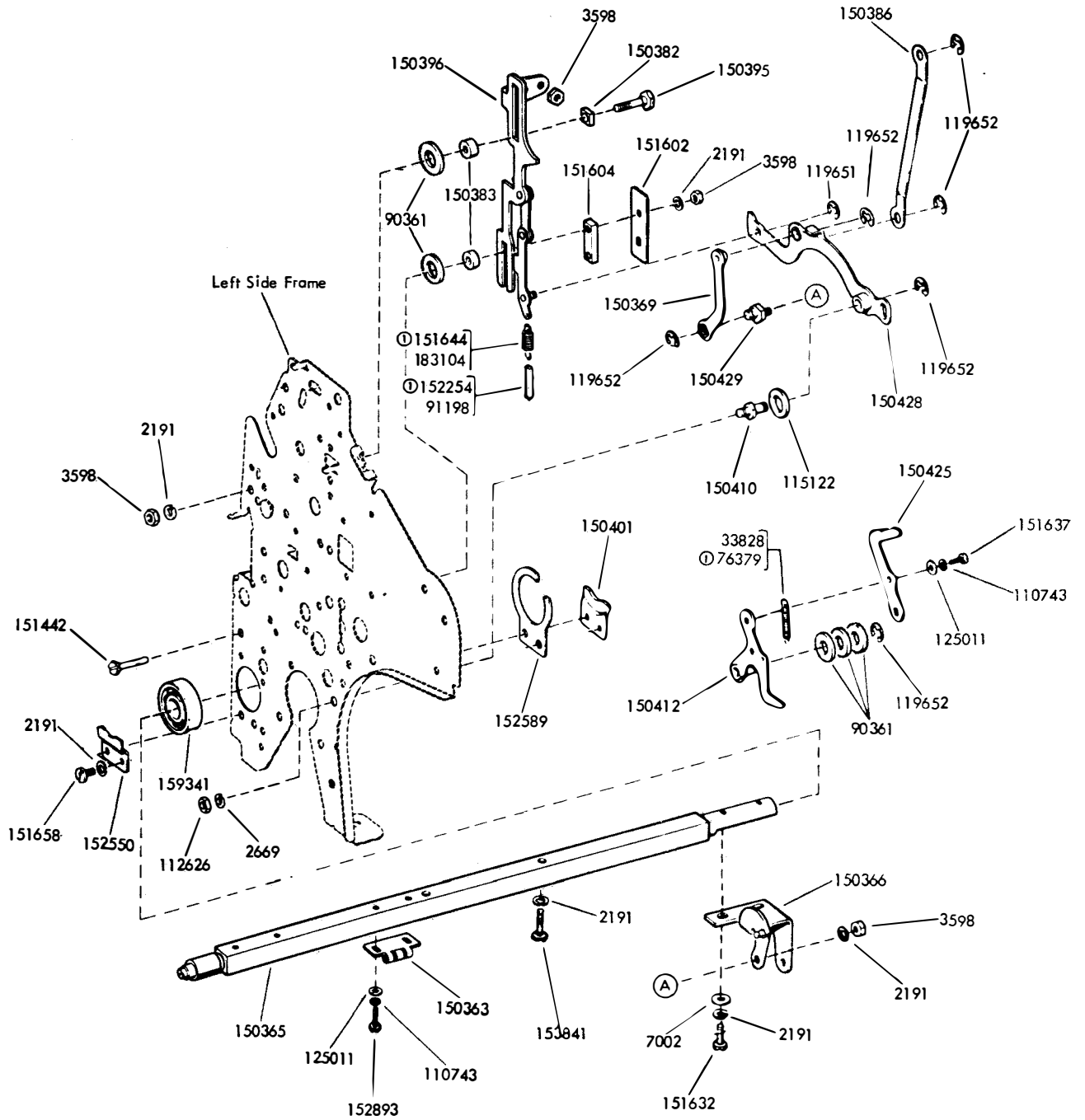


FIGURE 12. SPROCKET FEED MECHANISM



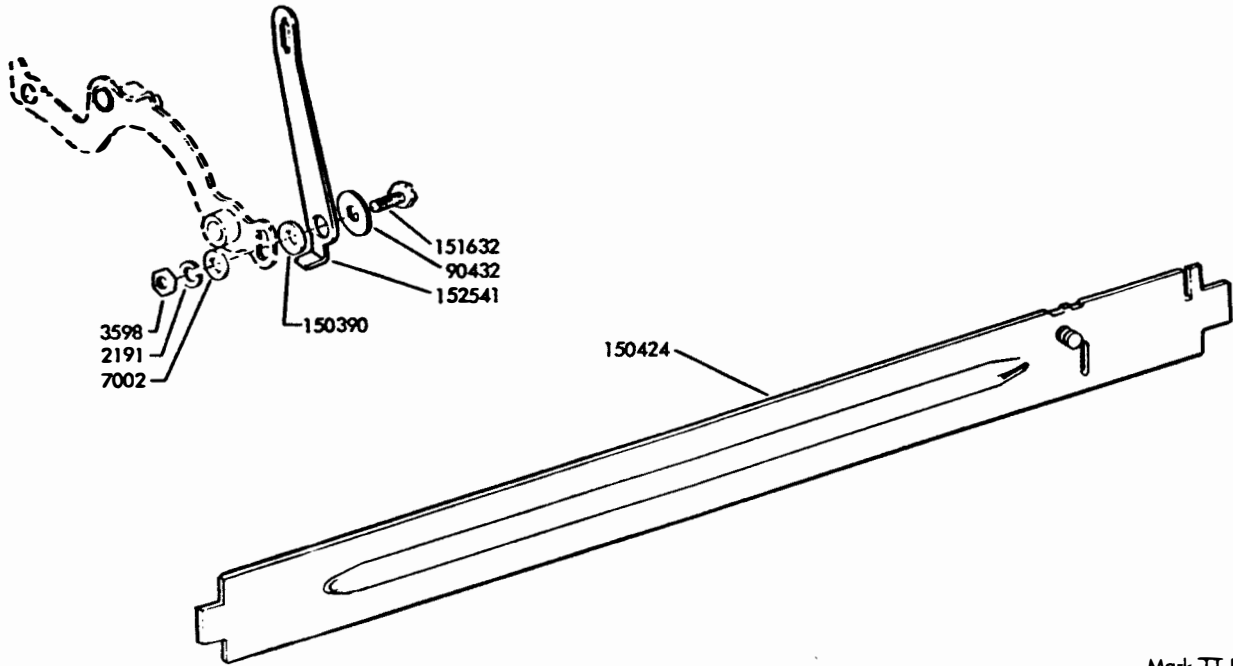
① 150833 Platen Assembly (Friction Feed)
 ② Early Design Parts, see Fig. 112 for
 New Design Modification Kits

FIGURE 13. LINE FEED AND PLATEN MECHANISM



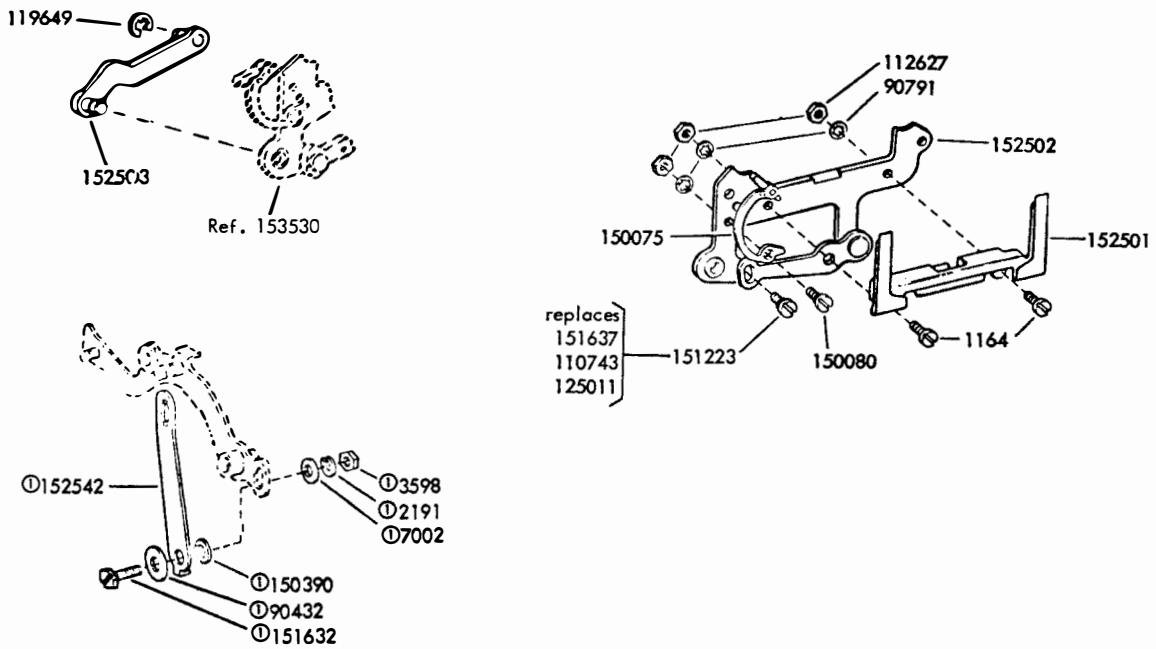
Ⓛ Early Design Parts, for other Early Design Parts see Fig. 15

FIGURE 14. LEFT SIDE LINKAGE AND ROCKER SHAFT MECHANISM



Mark II Printer

FIGURE 15. LEFT SIDE LINKAGE AND STRIPPER BLADE MECHANISM - EARLY DESIGN



Mark II Printer

FIGURE 16. RIGHT SIDE LINKAGE AND TYPEBOX CARRIAGE MECHANISM - EARLY DESIGN

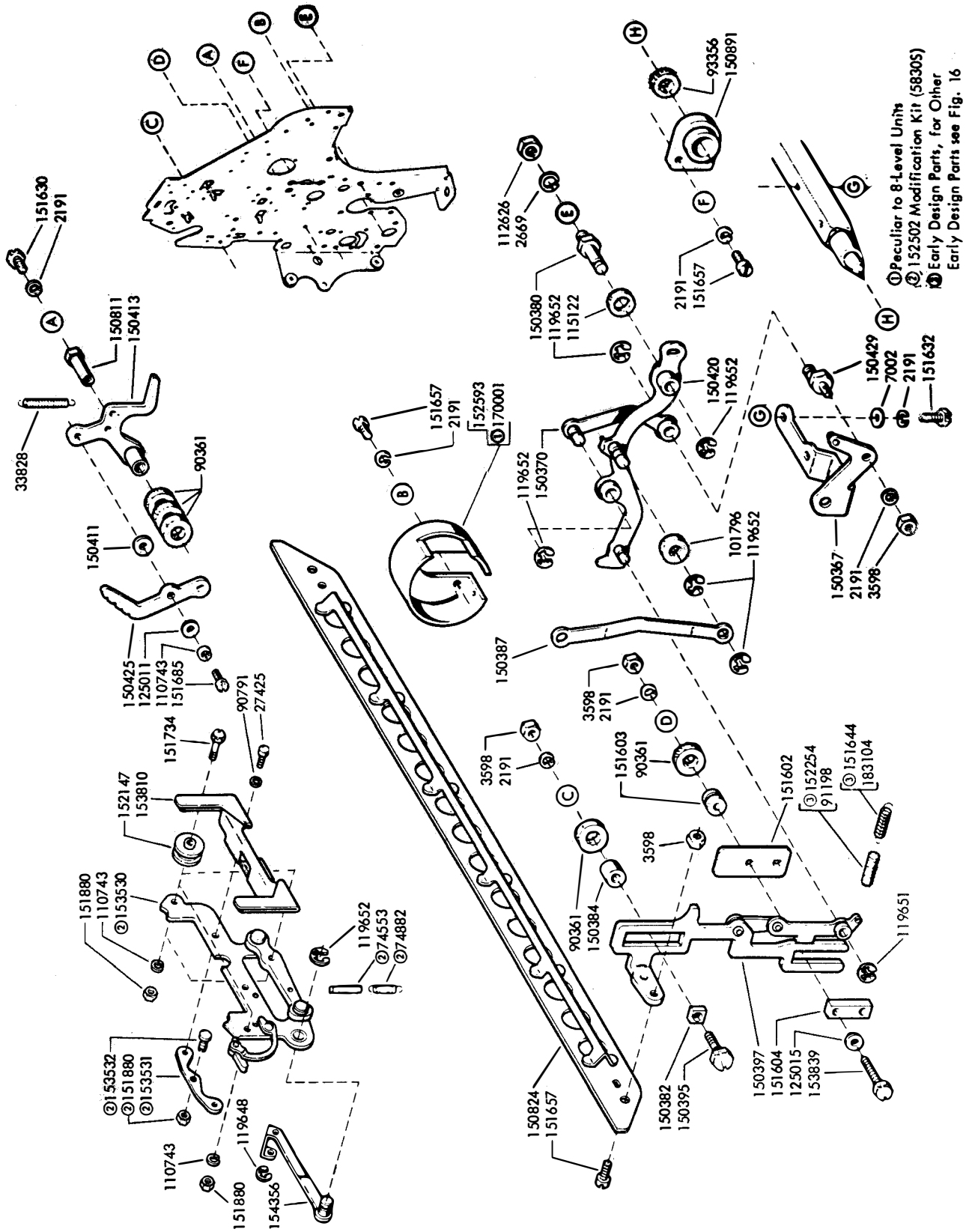


FIGURE 17. RIGHT SIDE LINKAGE AND TYPEBOX CARRIAGE MECHANISM

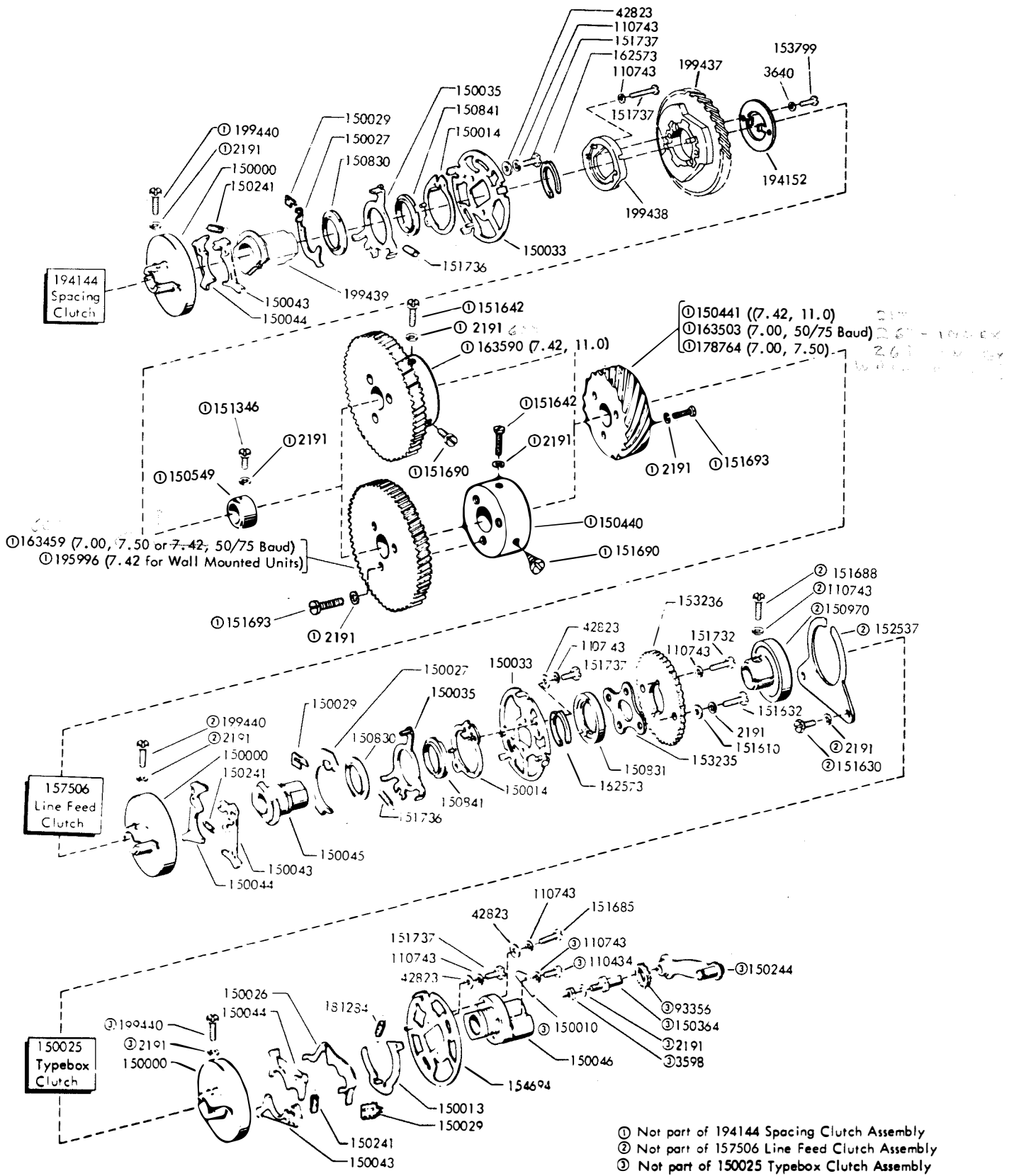


FIGURE 18. MAIN SHAFT MECHANISM

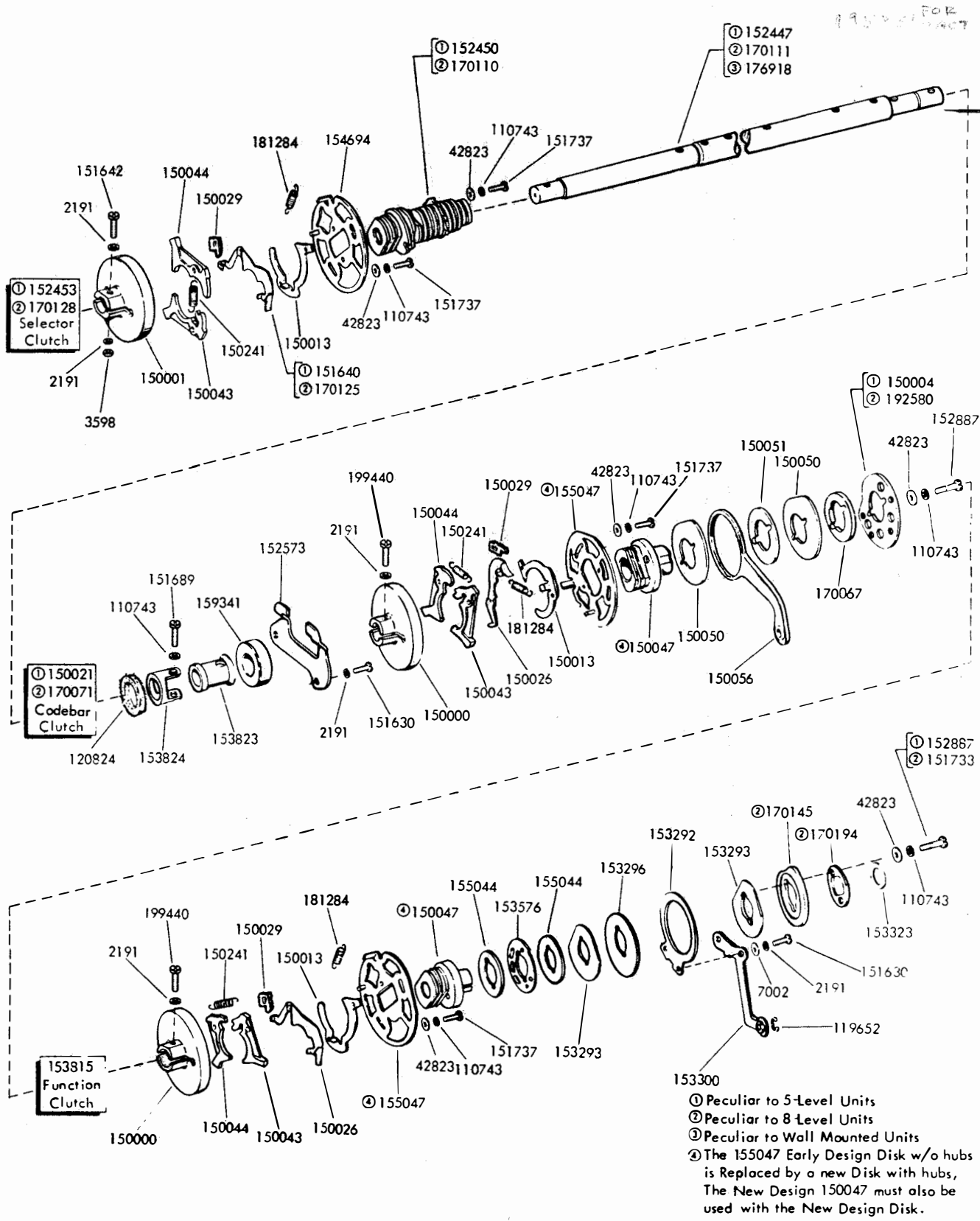
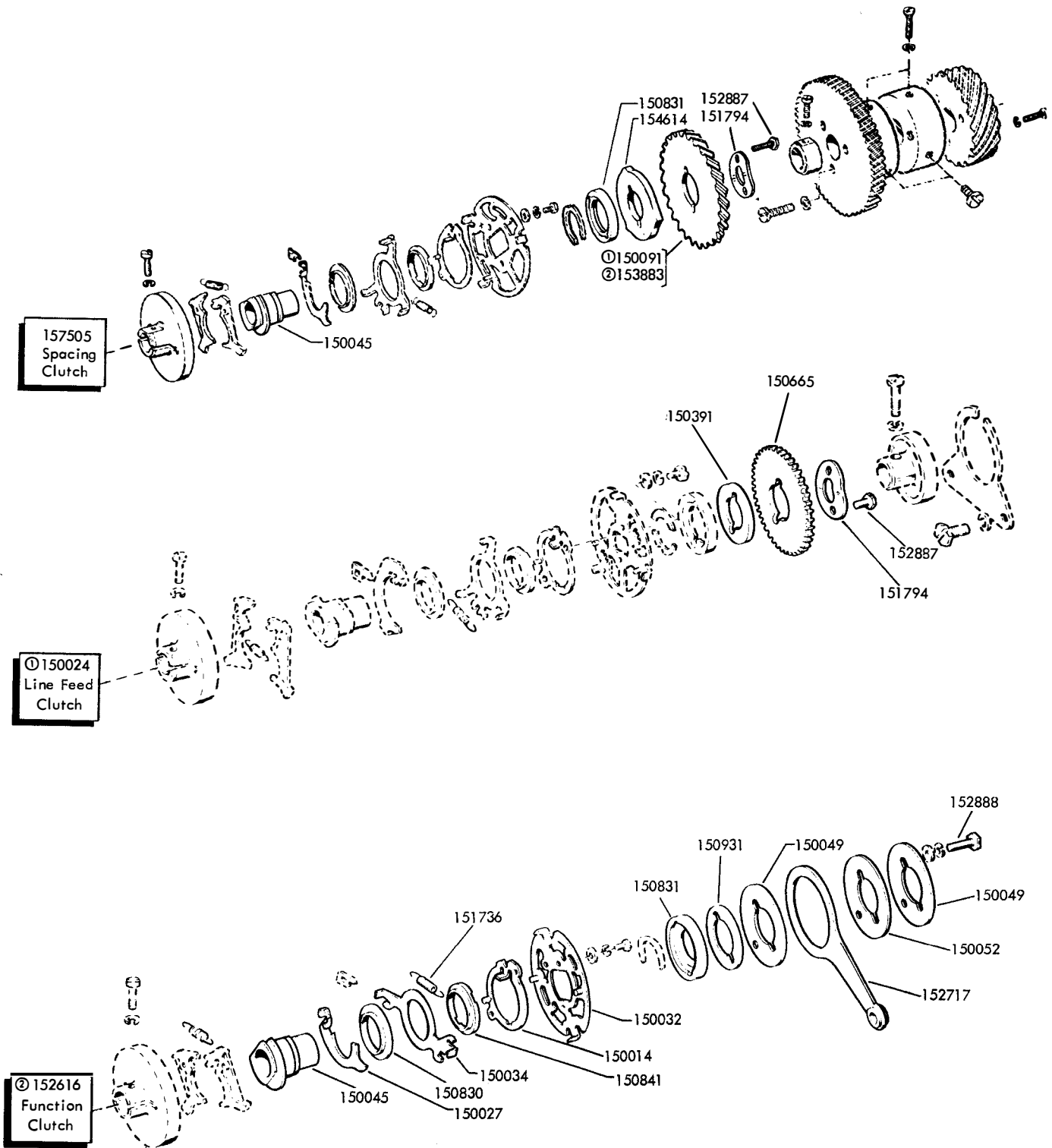


FIGURE 19. MAIN SHAFT MECHANISM



① Mark II Printer
 ② Two-Stop Function Clutch

FIGURE 20. SPACING, LINE FEED AND FUNCTION CLUTCHES- EARLY DESIGNS

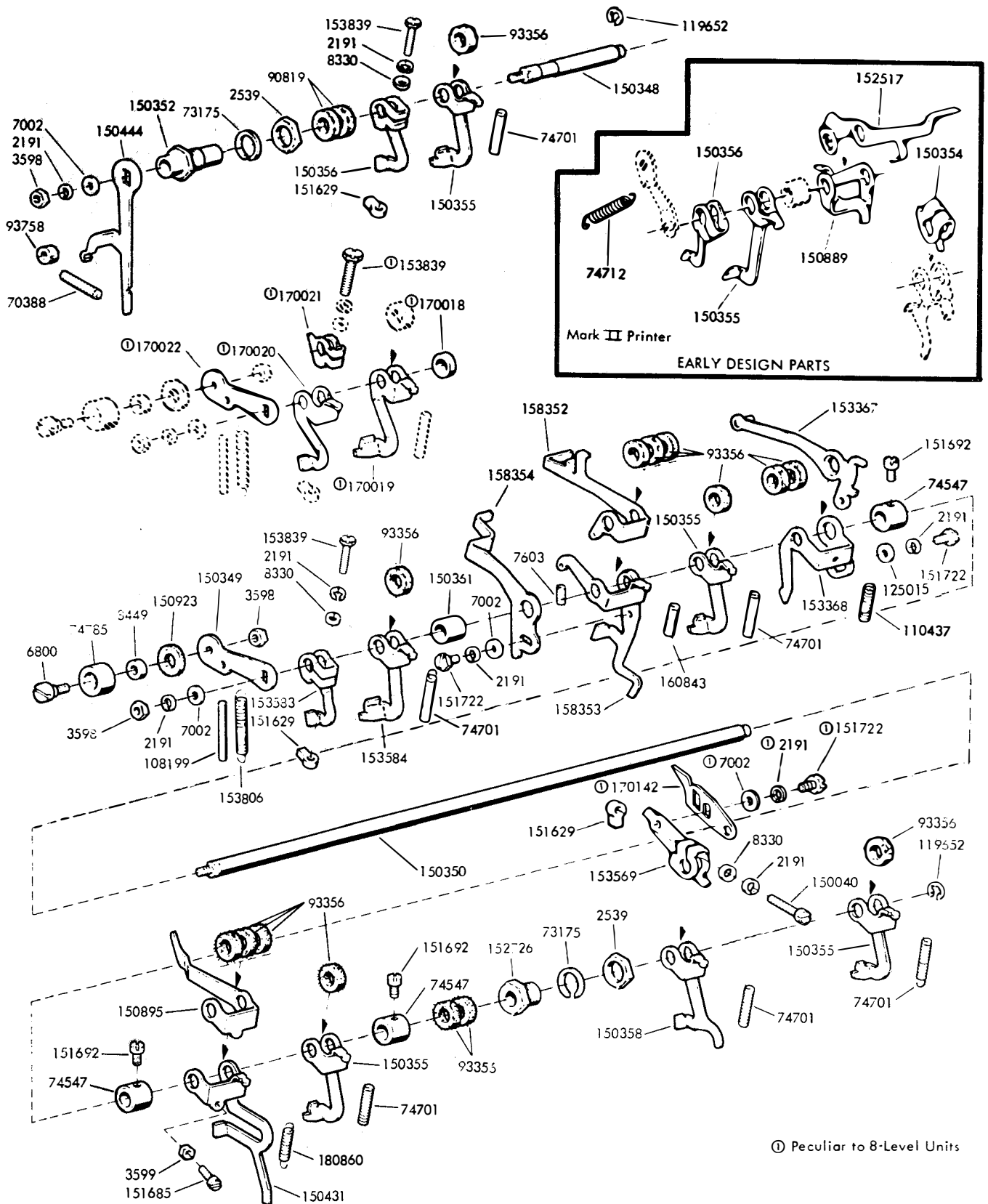
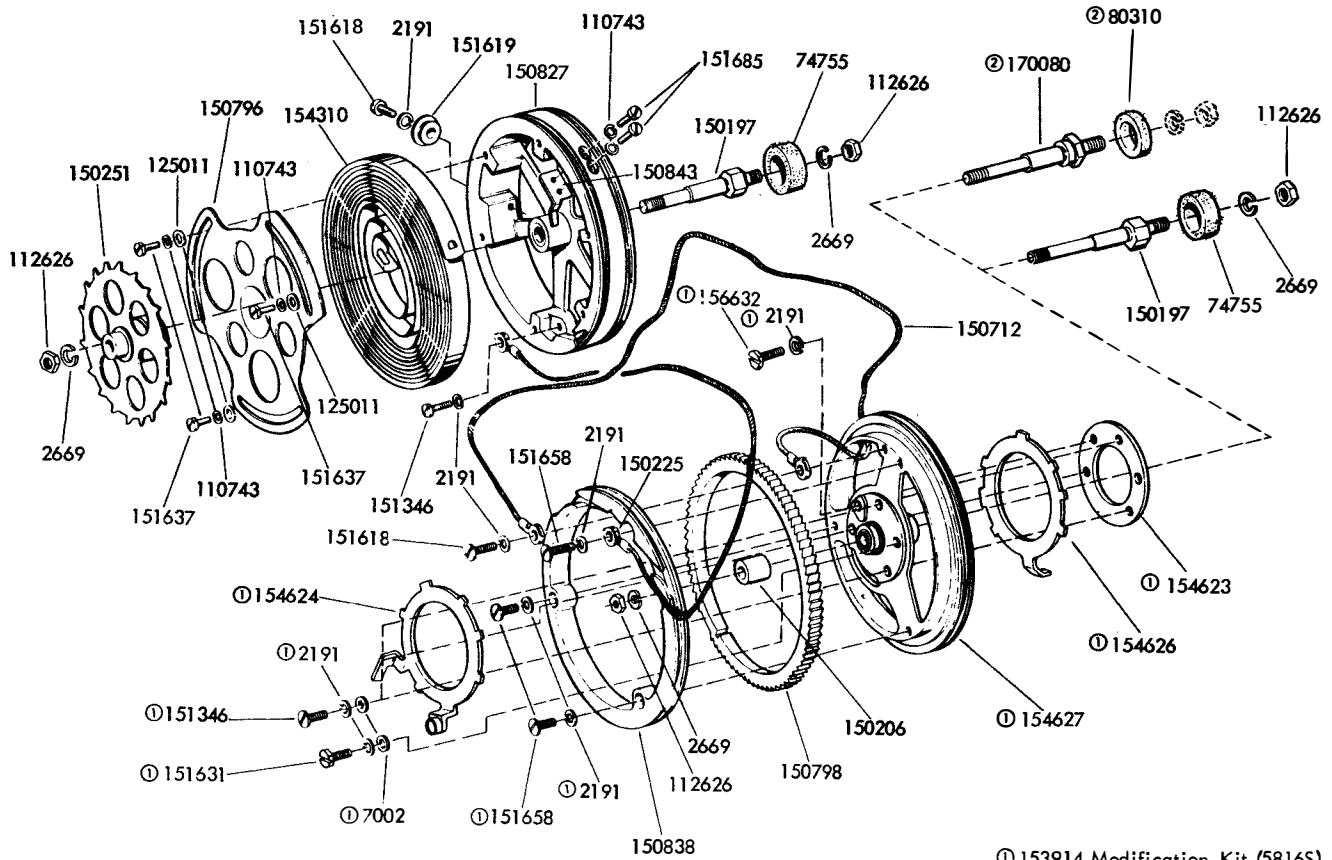


FIGURE 21. TRIP SHAFT MECHANISM



① 153914 Modification Kit (58165)
 ② Peculiar to 8-Level Units

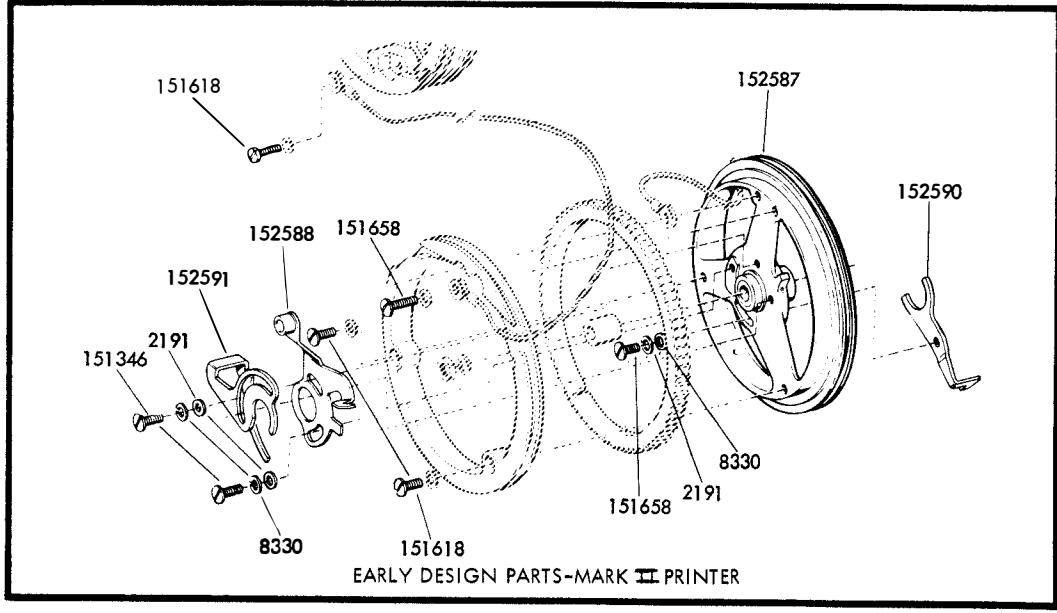


FIGURE 22. CARRIAGE RETURN AND SPACING DRUM MECHANISM

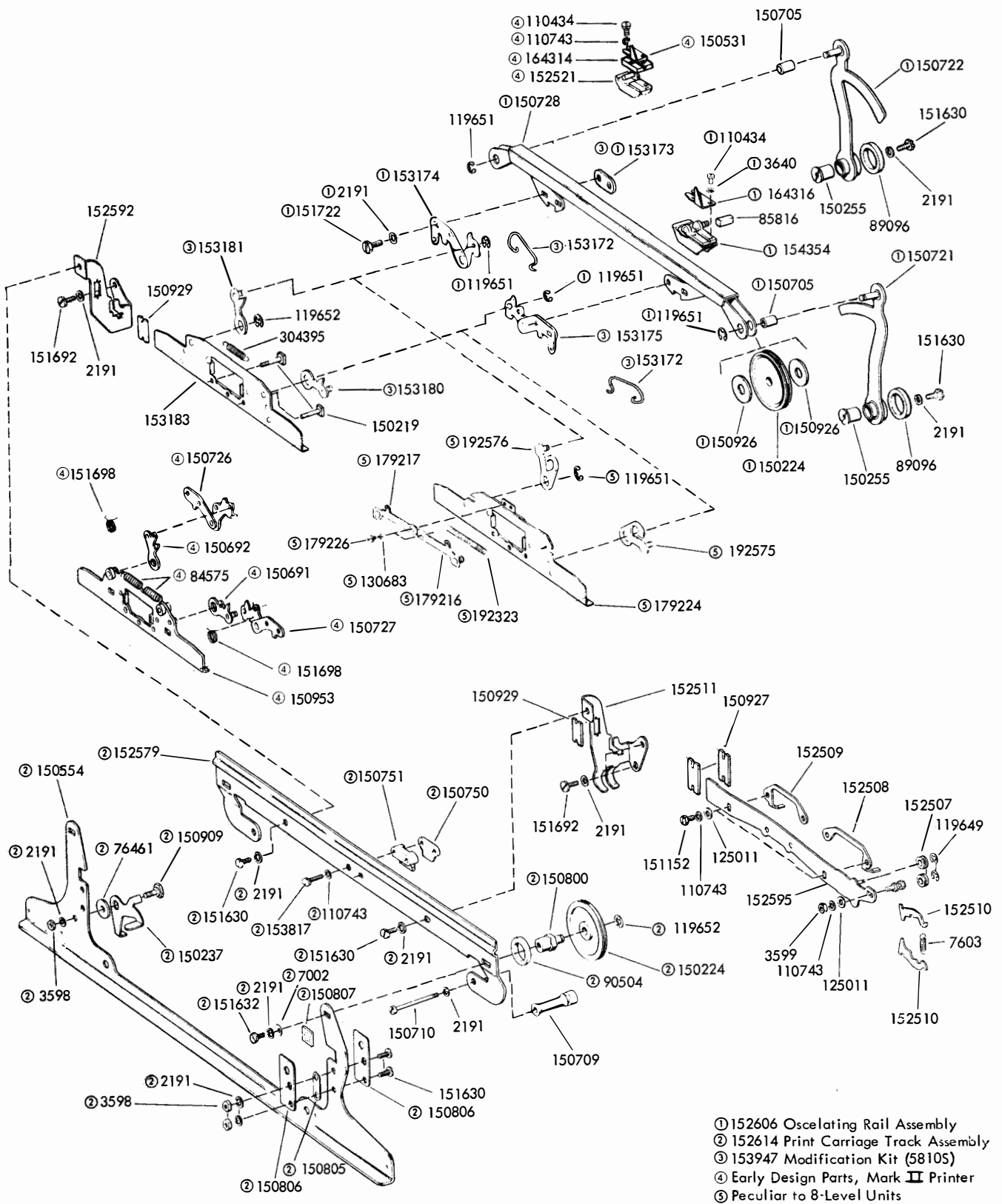


FIGURE 23. FRONT PLATE MECHANISM

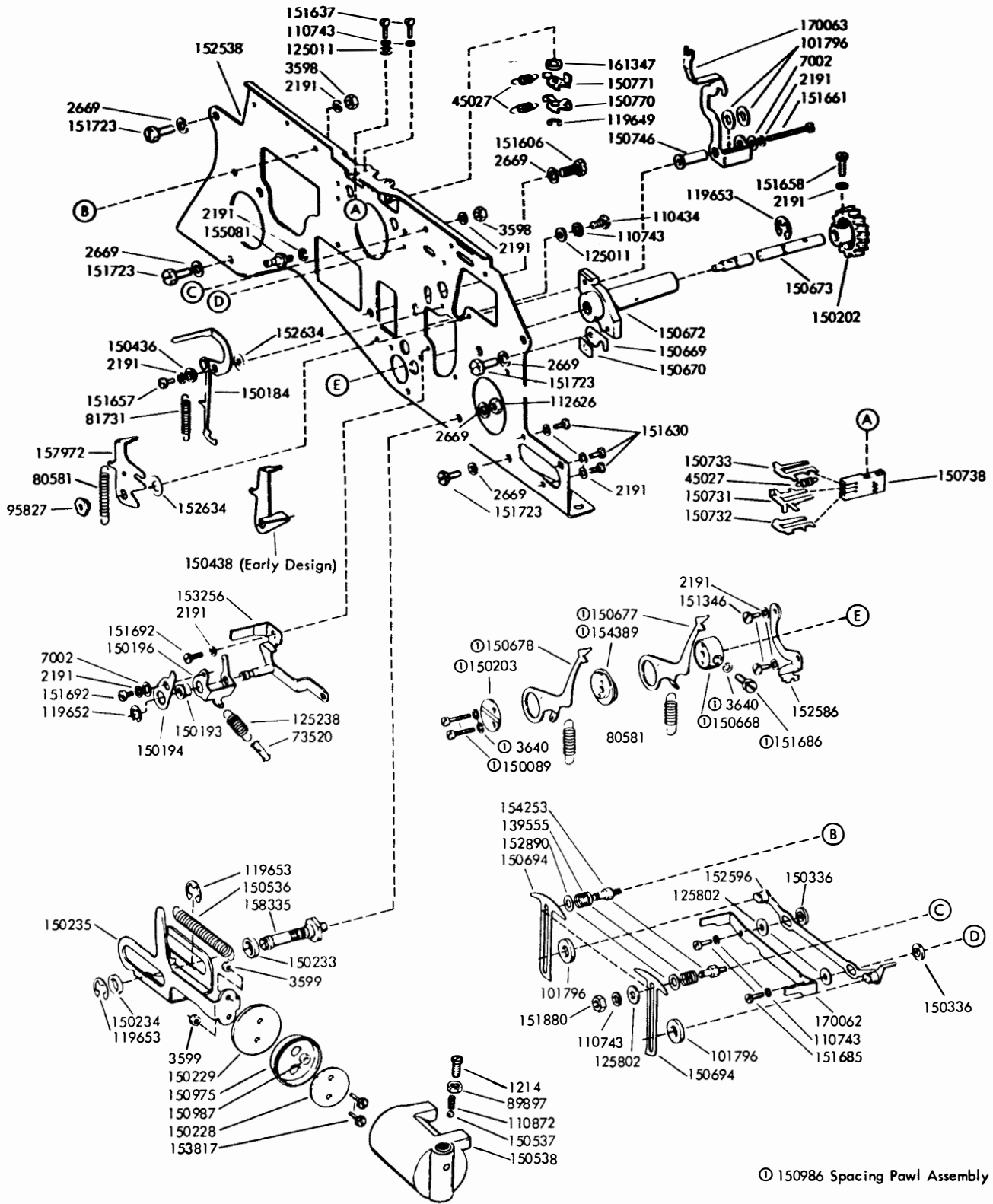


FIGURE 24. FRONT PLATE MECHANISM

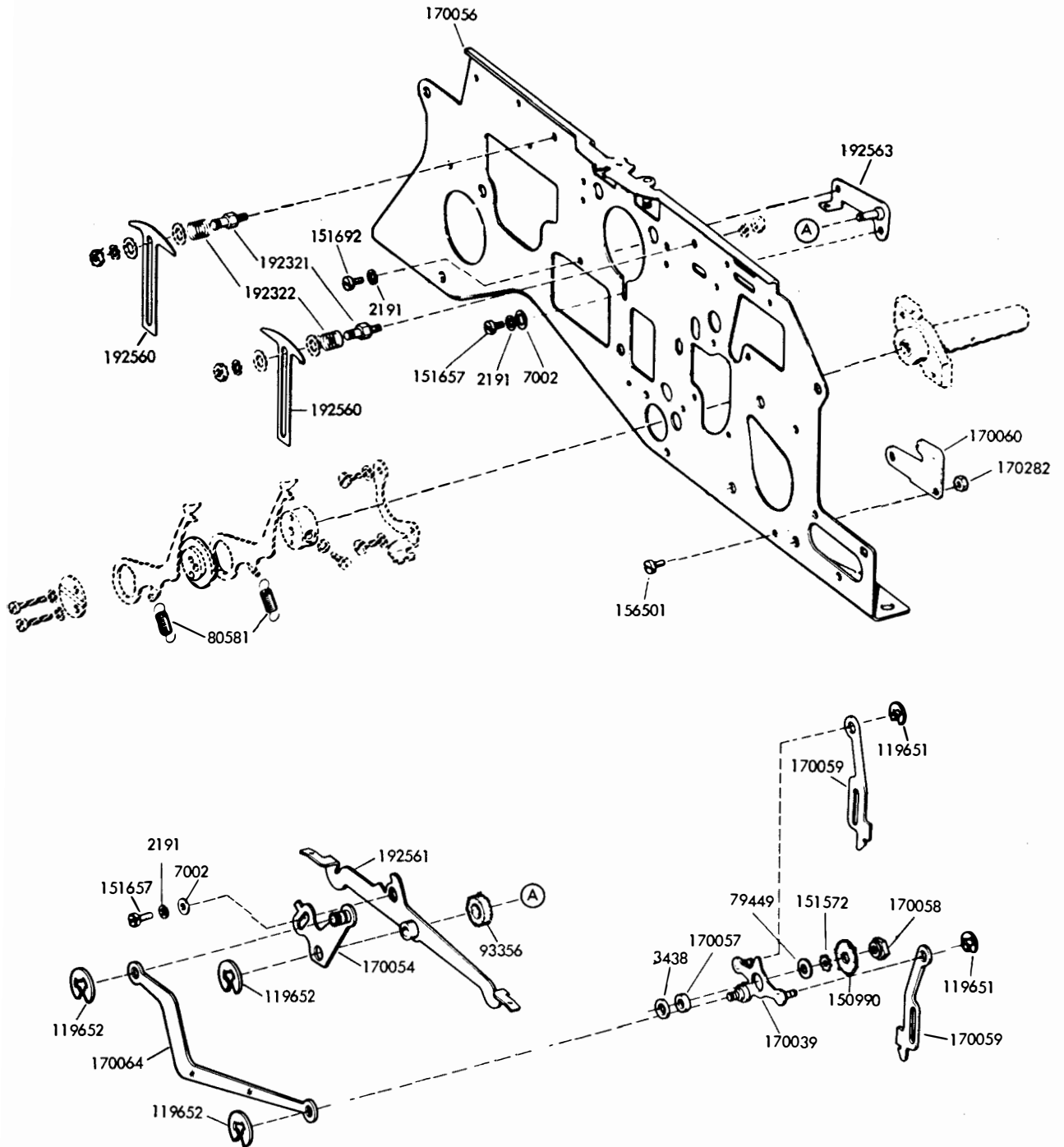


FIGURE 25. FRONT PLATE MECHANISM (8-LEVEL)

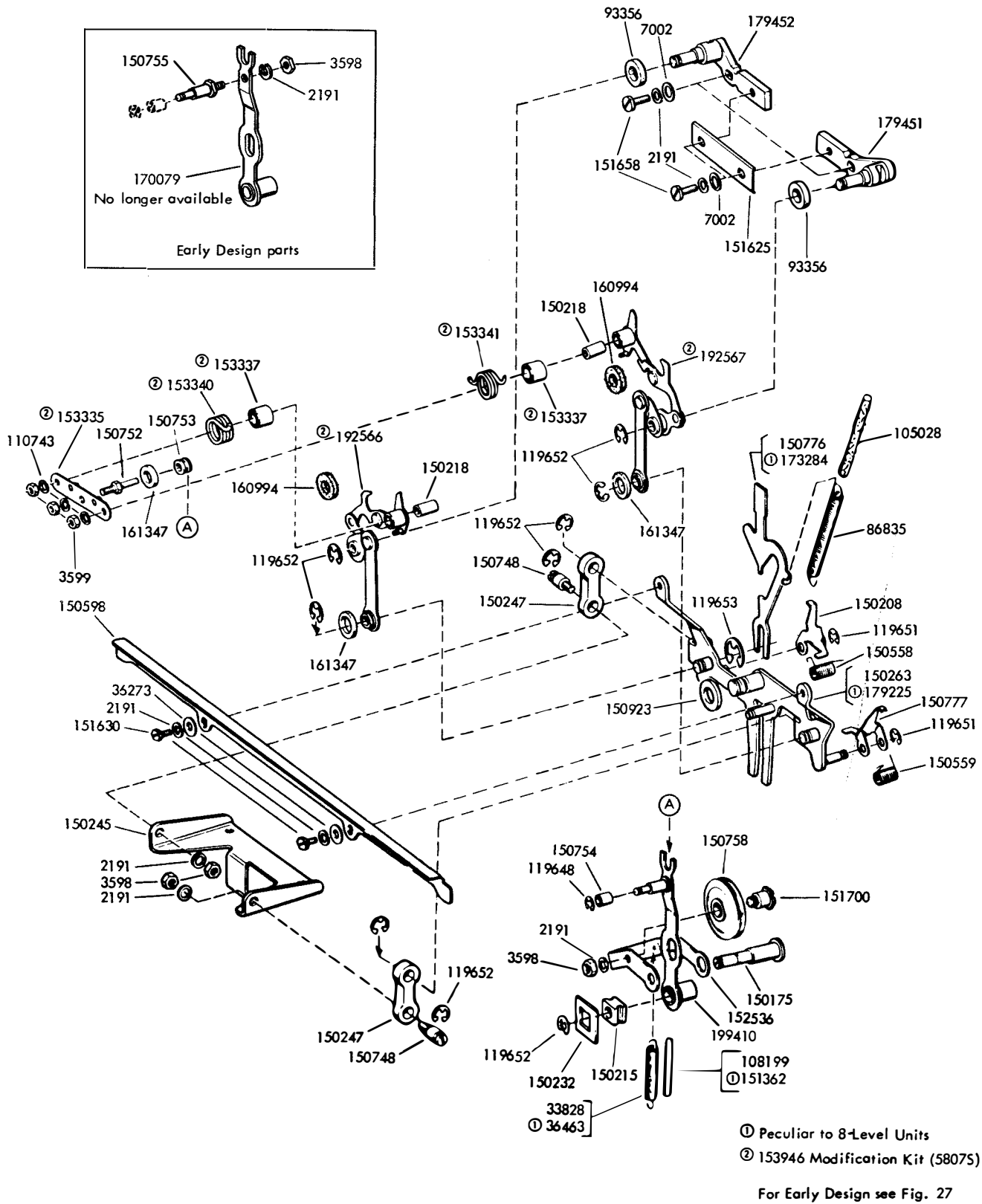
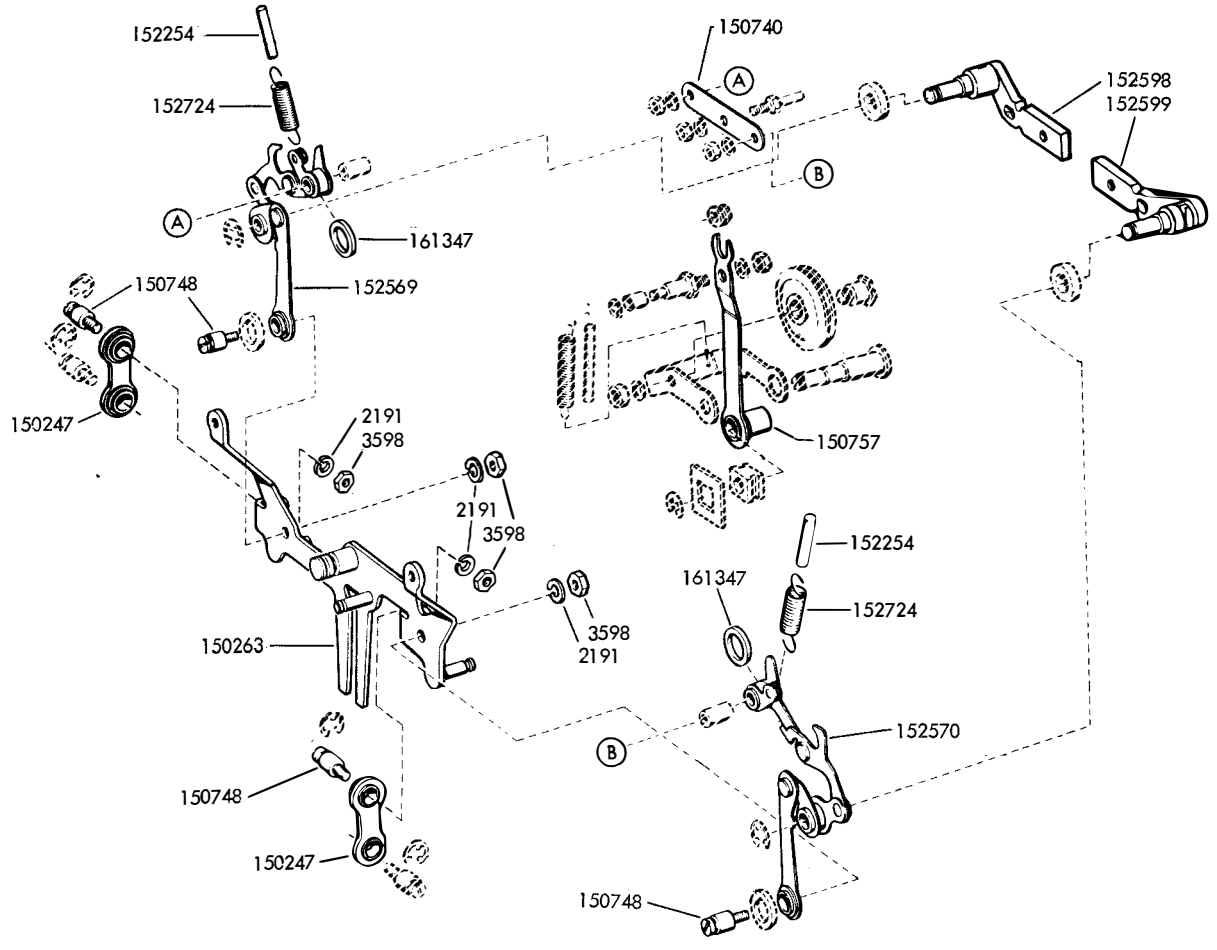


FIGURE 26. FRONT PLATE MECHANISM



Early Design Parts

For Early Design, see Fig. 38

FIGURE 27. FRONT PLATE MECHANISM

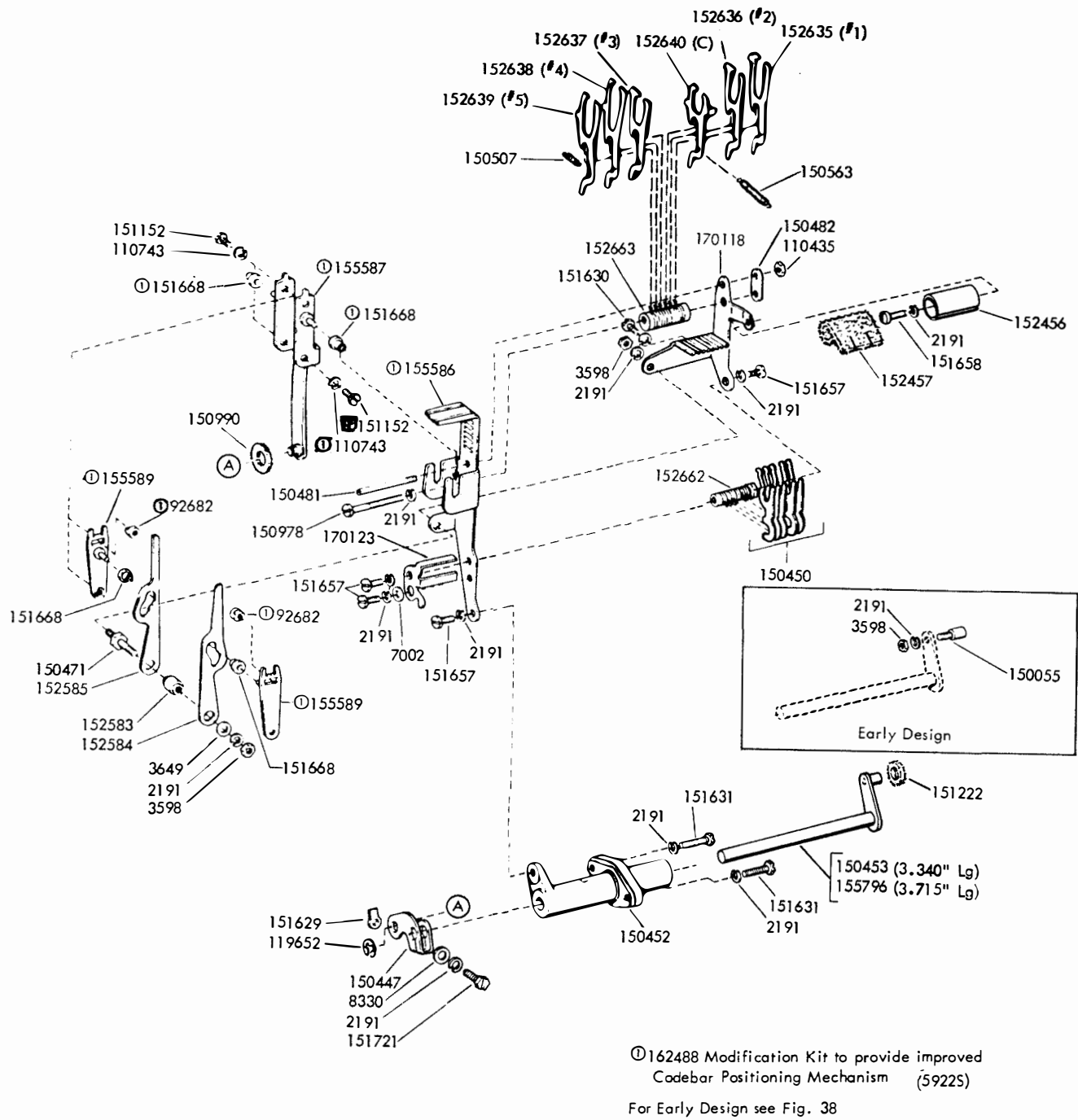


FIGURE 28. CODEBAR POSITIONING MECHANISM

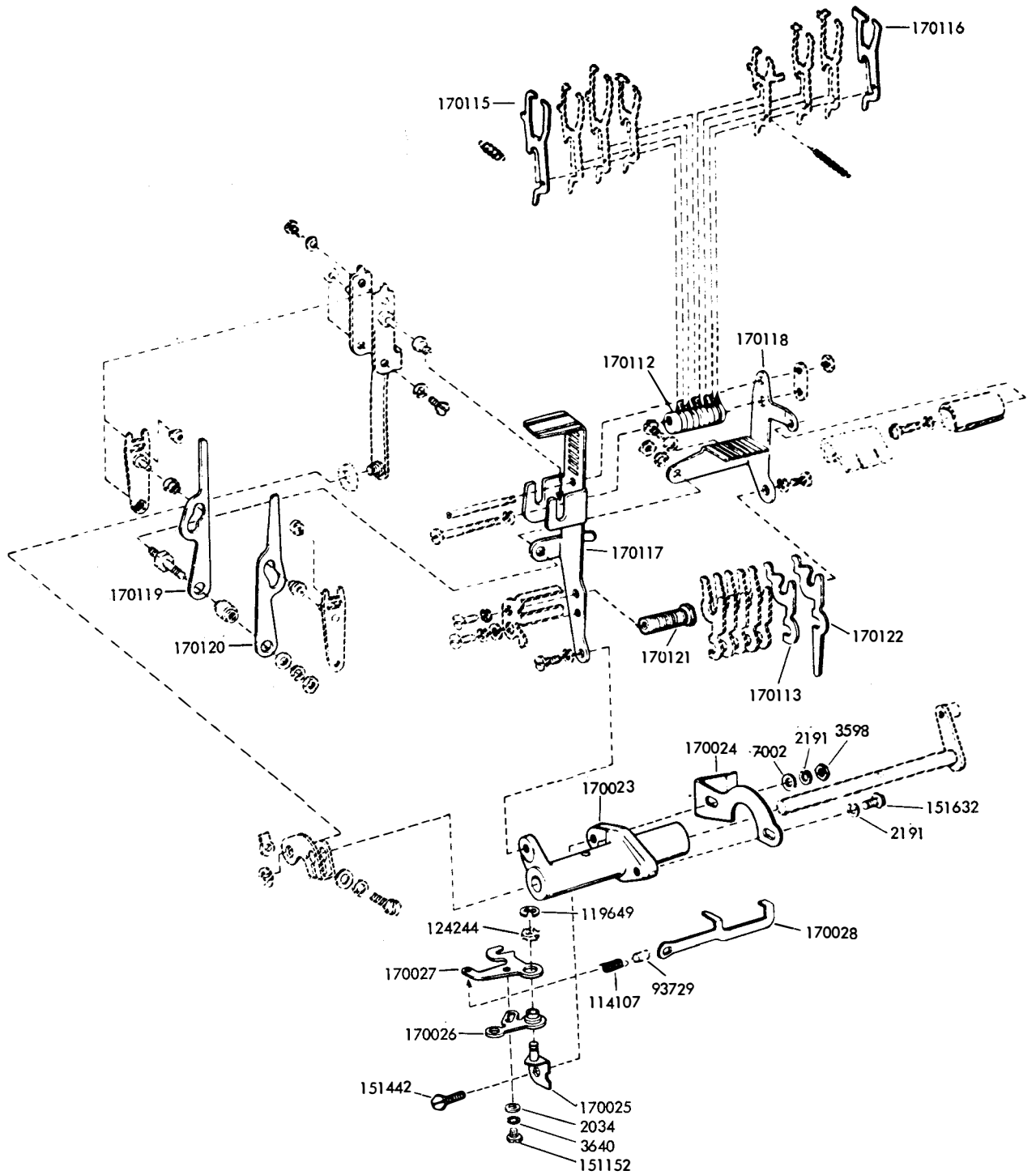
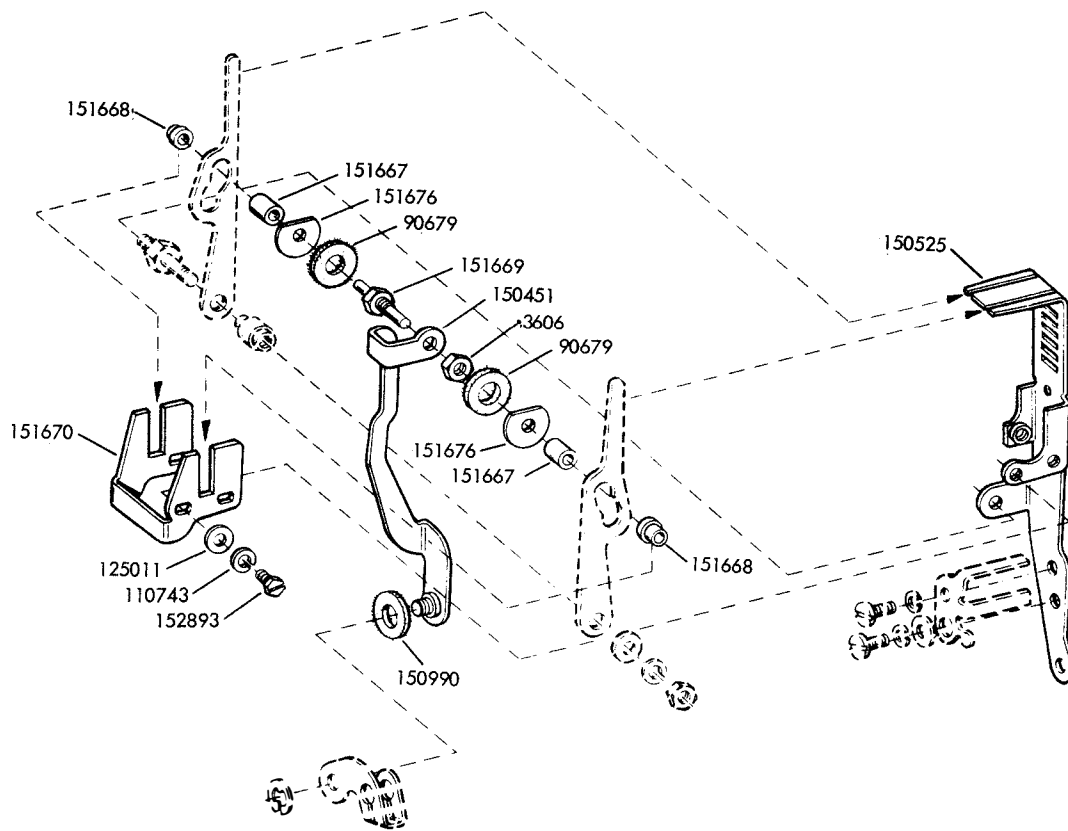
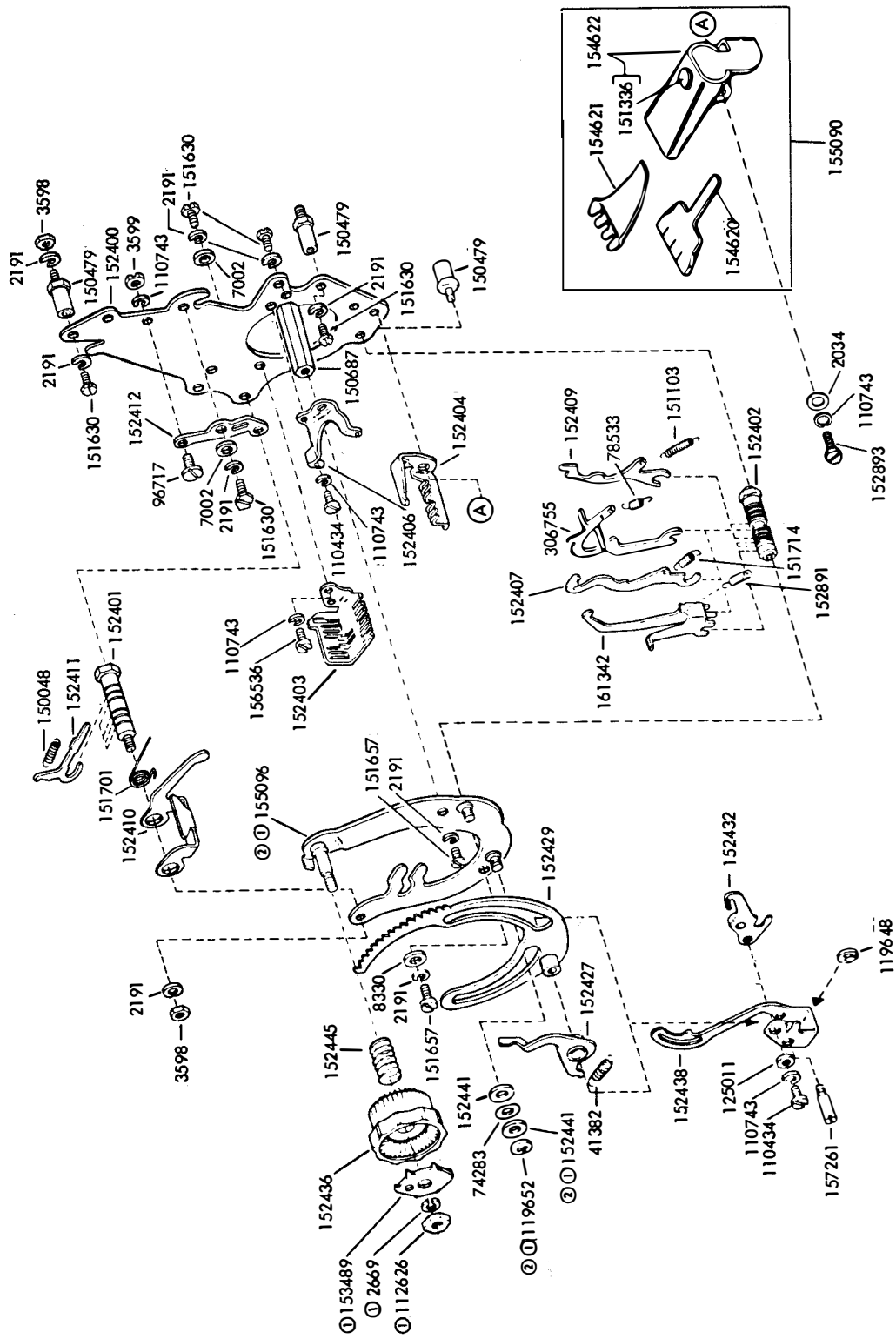


FIGURE 29. CODEBAR POSITIONING MECHANISM (8- LEVEL)



Early Design Parts

FIGURE 30. CODEBAR POSITIONING MECHANISM



① 153904 Modification Kit (5843S)
② 154723 Modification Kit (5843S)
For Early Design see Fig. 33

FIGURE 31. SELECTOR MECHANISM

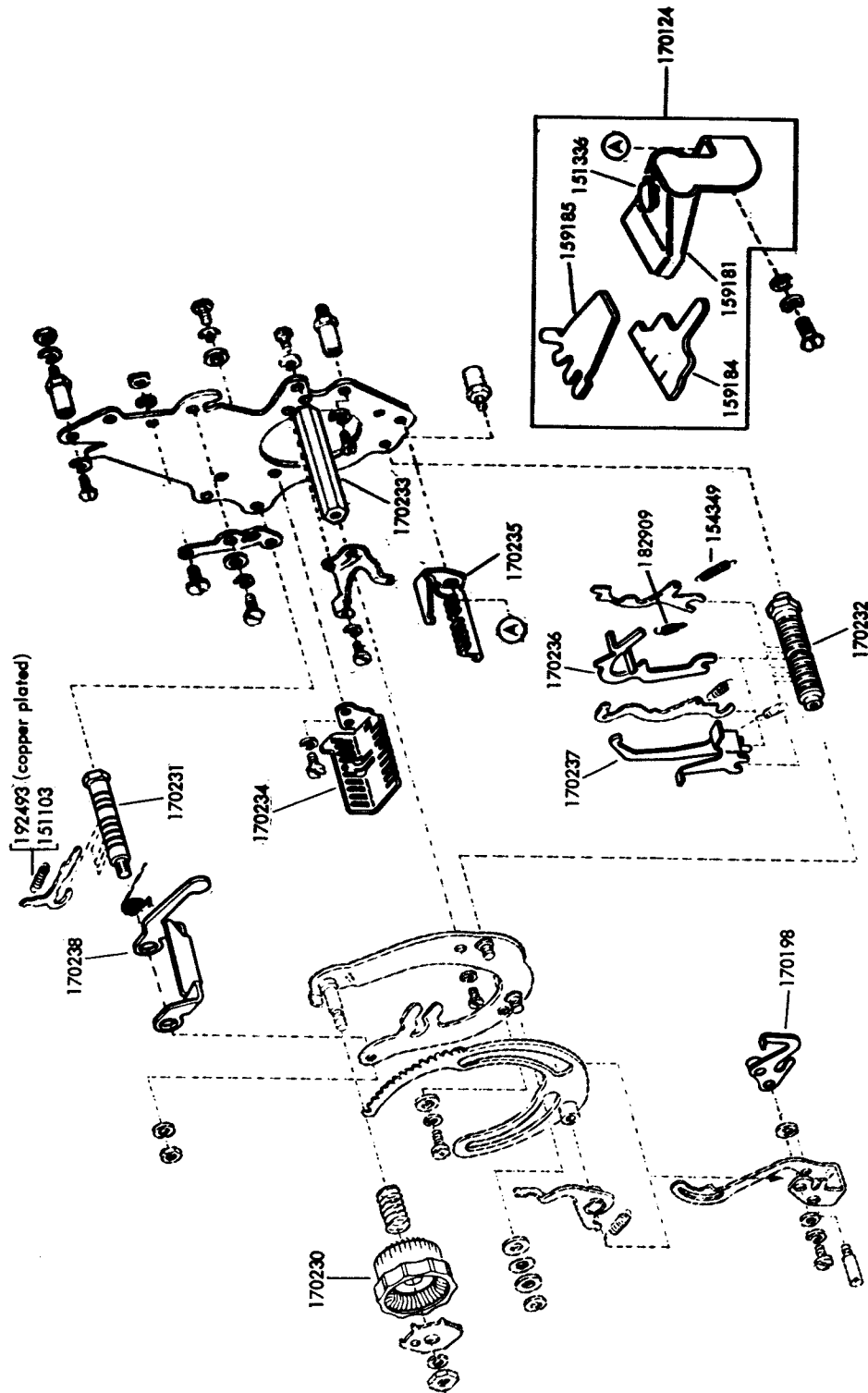


FIGURE 32. SELECTOR MECHANISM (8- LEVEL)

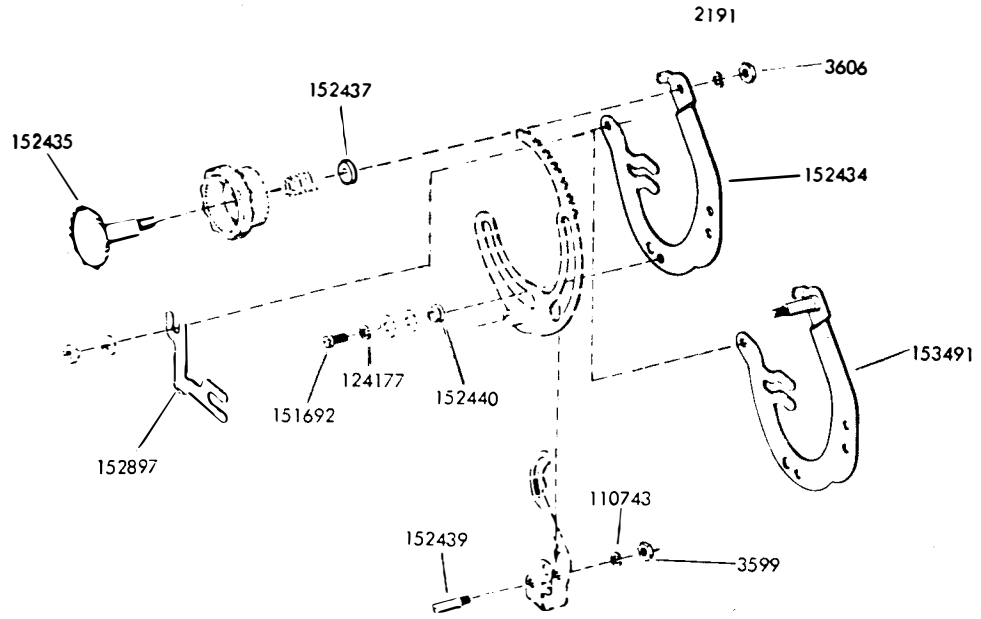


FIGURE 33. SELECTOR KNOB MECHANISM - EARLY DESIGN

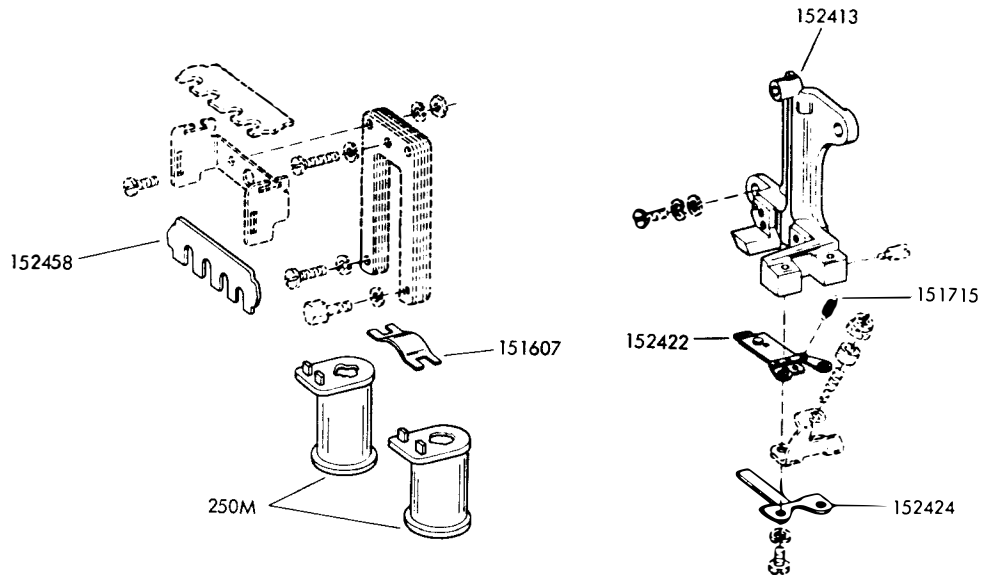


FIGURE 34. SELECTOR MAGNET MECHANISM - EARLY DESIGN

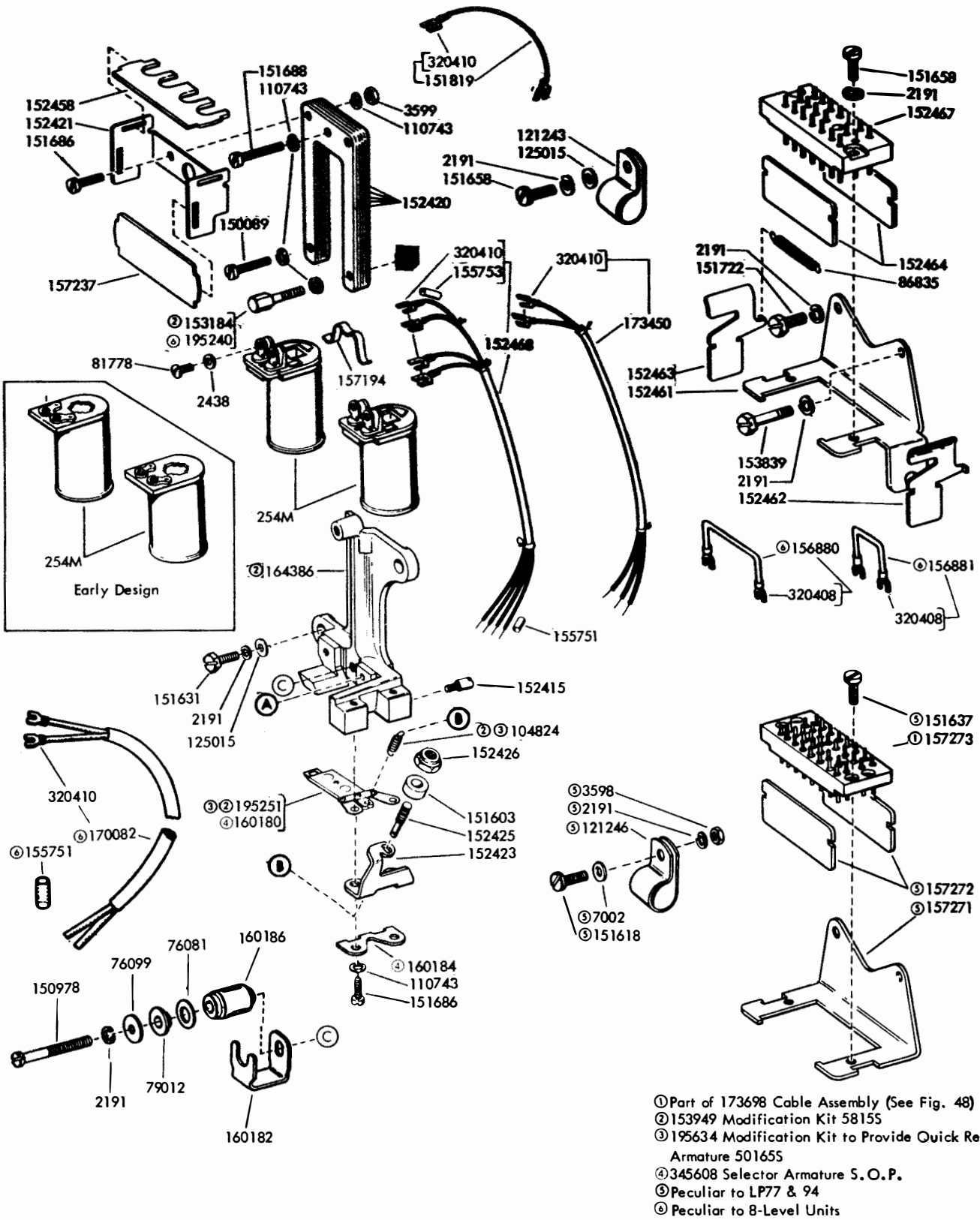


FIGURE 35. SELECTOR MAGNET MECHANISM

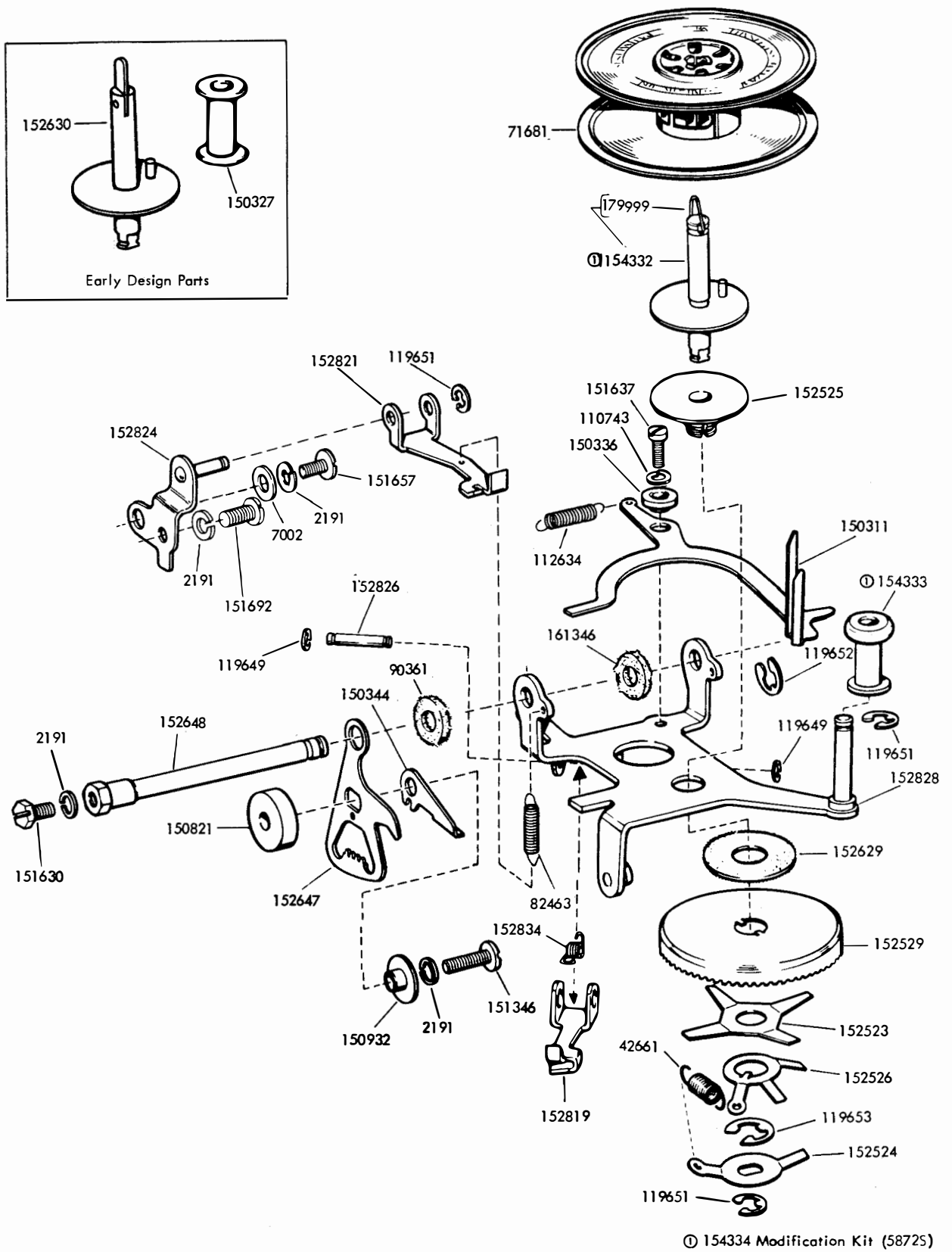
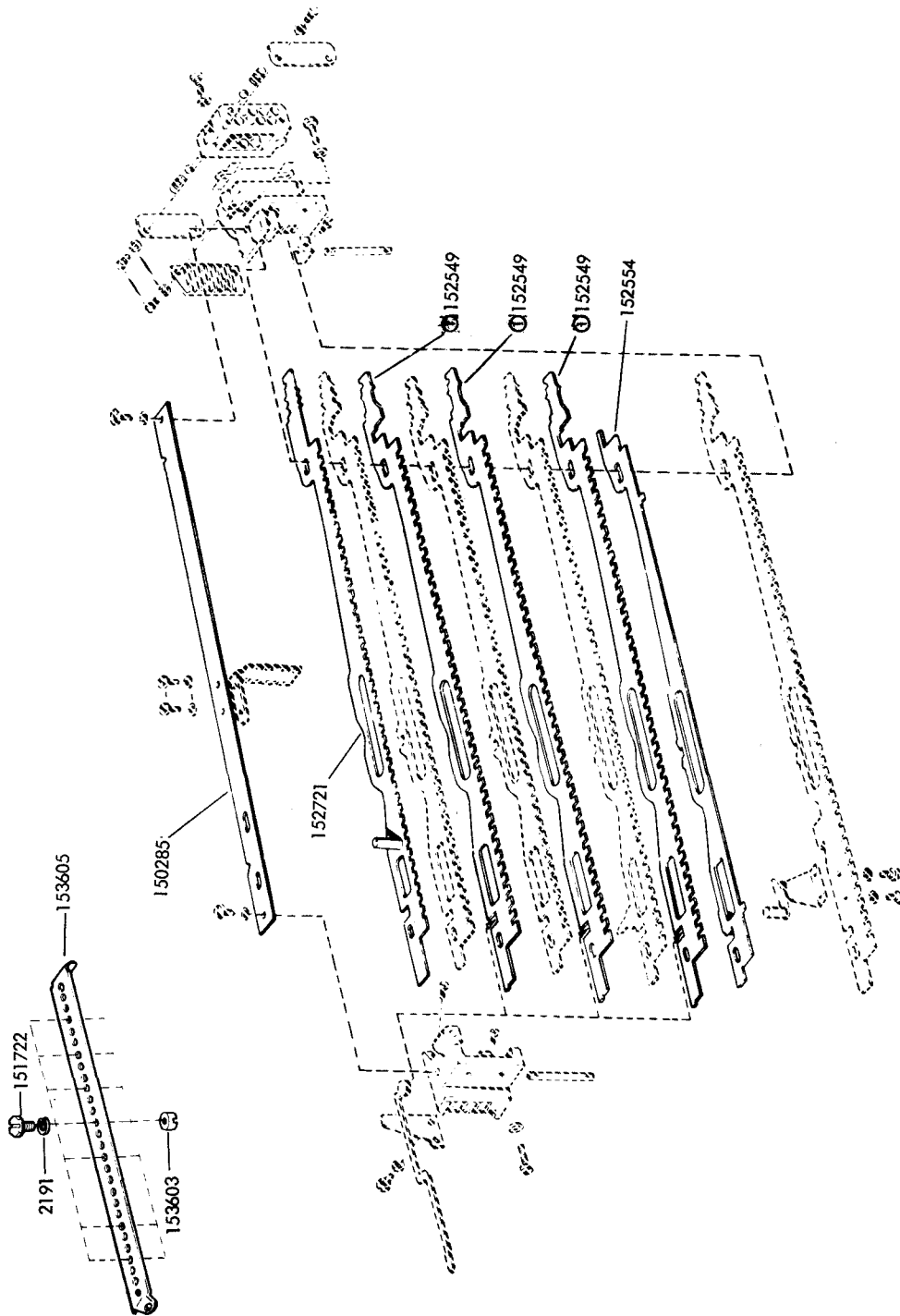


FIGURE 36. RIGHT RIBBON FEED MECHANISM



⊙ Peculiar to units with Serial Numbers 8699 and lower

Early Design Parts

FIGURE 39. CODEBAR MECHANISM

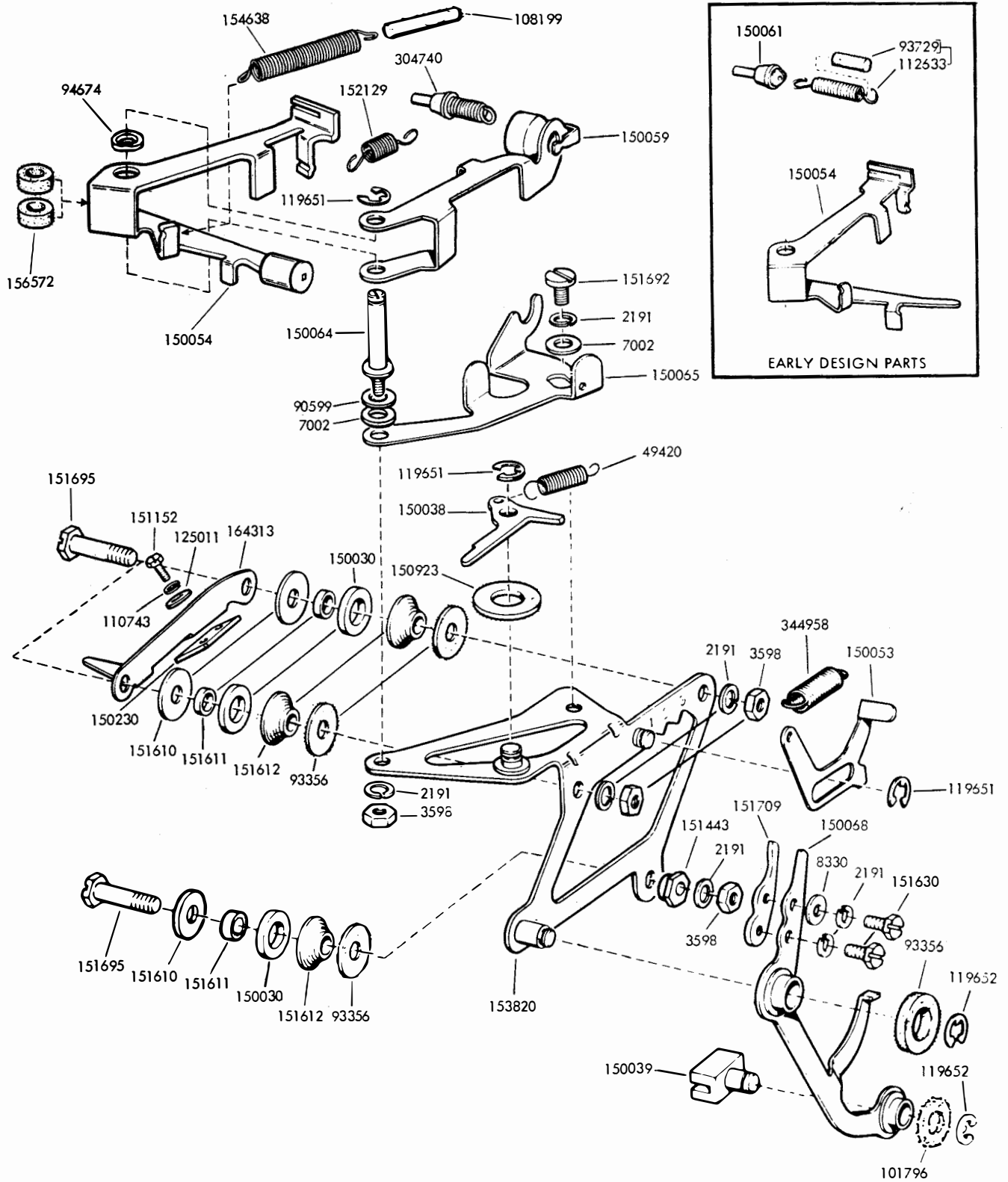
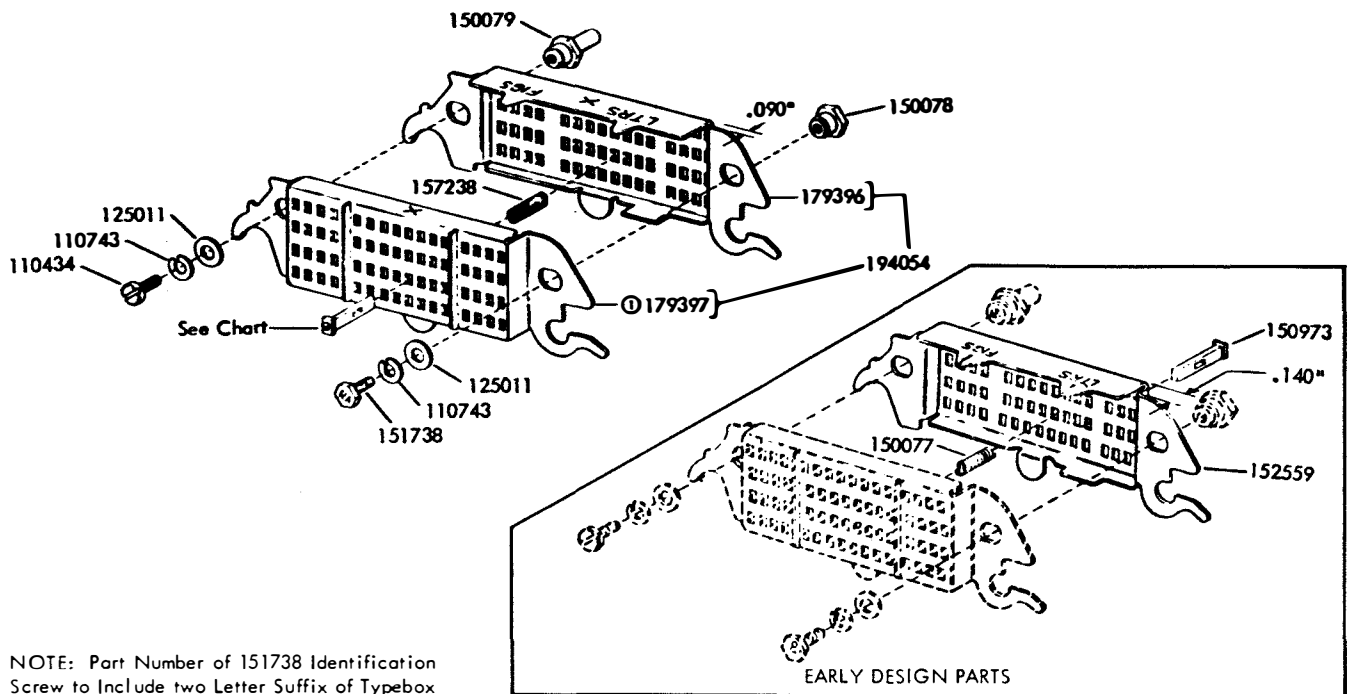


FIGURE 40. 150036 PRINTING CARRIAGE ASSEMBLY



NOTE: Part Number of 151738 Identification Screw to Include two Letter Suffix of Typebox Arrangement.

TYPEBOX ARRANGEMENTS											
Arrangement		Style	Character Per Inch	Arrangement		Style	Character Per Inch	Arrangement		Style	Character Per Inch
Code	Number			Code	Number			Code	Number		
AB	193803	Gothic	10	WA	153518	Large Gothic	10	XN	160844	Murray	10
AC	194026	Long Gothic	10	WB	157000	Murray	10	XP	160999	Large Gothic	10
AD	194027	Long Gothic	10	WC	157001	Murray	10	XR	161362	Gothic	12
AE	194929	Long Gothic	10	WD	157002	Murray	10	XS	161363	Gothic	12
AF	195009	Gothic	10	WE	157003	Murray	10	XT	161364	Gothic	12
AG	195218	Murray	10	WF	157004	Murray	10	XU	161365	Gothic	12
AH	195461	Long Gothic	10	WG	157007	Murray	10	XW	161769	Murray	10
AK	197713	Murray	10	WH	157009	Murray	10	XZ	162056	Gothic	12
AL	199898	Gothic	10	WJ	157011	Murray	10	YA	162058	Long Gothic	10
BG	336820	Gothic	10	WK	157013	Murray	10	YB	162539	Murray	10
RA	151930	Murray	10	WL	157015	Murray	10	YC	163295	Large Gothic	10
RB	152881	Murray	10	WM	157017	Murray	10	YD	173803	Gothic	10
RC	151931	Murray	10	WN	157018	Murray	10	YE	164586	Murray	10
RD	151937	Murray	10	WP	155693	Long Gothic	10	YF	162605	Murray	10
RE	151683	Murray	10	WT	157030	Murray	10	YG	161081	Large Gothic	10
RG	152742	Murray	10	WV	155697	Murray	10	YK	164348	Large Gothic	10
RH	152752	Murray	10	WX	155699	Murray	10	YL	164498	Murray	10
RJ	153139	Murray	10	WY	155701	Murray	10	YM	172723	Murray	10
RN	151938	Murray	10	XA	155703	Murray	10	YP	176651	Murray	10
RS	153508	Murray	10	XC	155704	Murray	10	YR	177089	Murray	10
RU	153510	Murray	10	XD	155705	Gothic	12	YS	178724	Murray	10
RV	154643	Large Gothic	10	XE	155706	Gothic	12	YT	178809	Murray	10
RW	153513	Murray	10	XF	155707	Gothic	12	YU	178852	Gothic	10
RY	153514	Murray	10	XG	155708	Murray	10	YV	179057	Gothic	12
RZ	153516	Murray	10	XH	155709	Long Gothic	10	YW	179666	Murray	10
TA	170164	Murray	10	XJ	155710	Murray	10	YZ	173578	Murray	10
TB	174086	Murray	10	XK	155497	Murray	10				
TD	179814	Murray	10	XM	160755	Large Gothic	10				

NOTE: Refer to Section 570-020-800TC for Individual Type Pallet Numbers

FIGURE 41. TYPEBOX ARRANGEMENTS

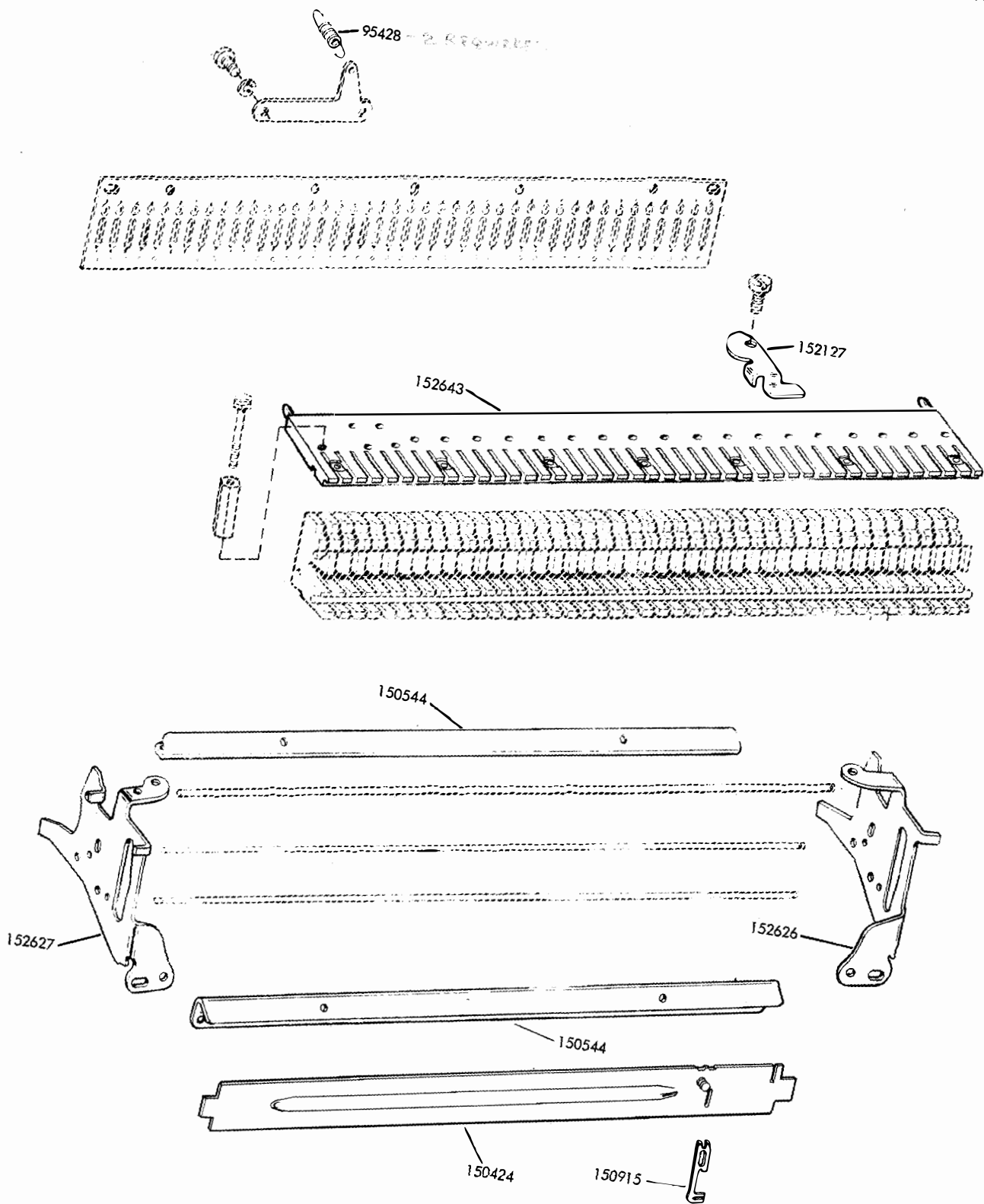


FIGURE 42. EARLY DESIGN STUNT BOX - MAJOR COMPONENTS

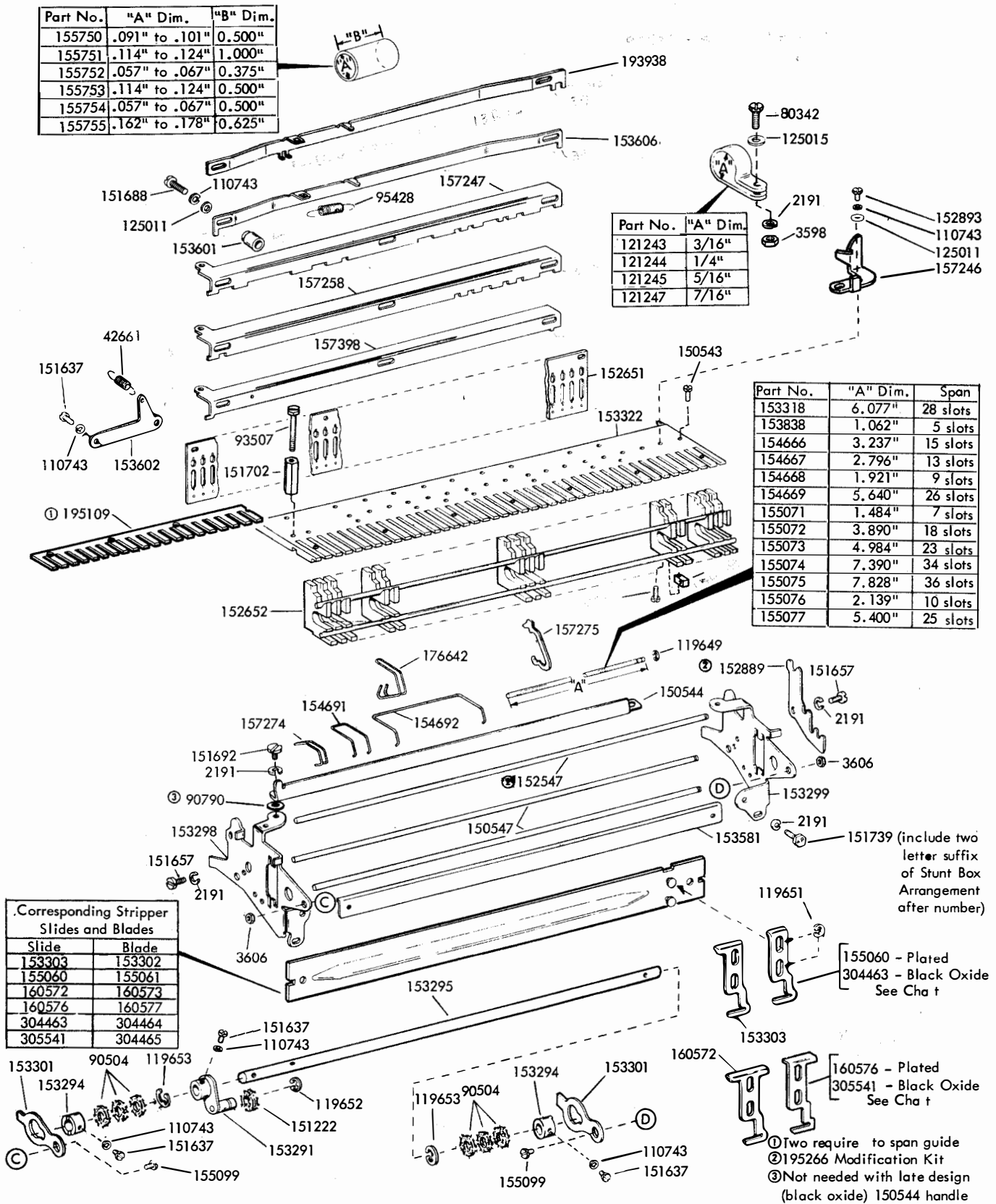


FIGURE 43. STUNT BOX - MAJOR COMPONENTS

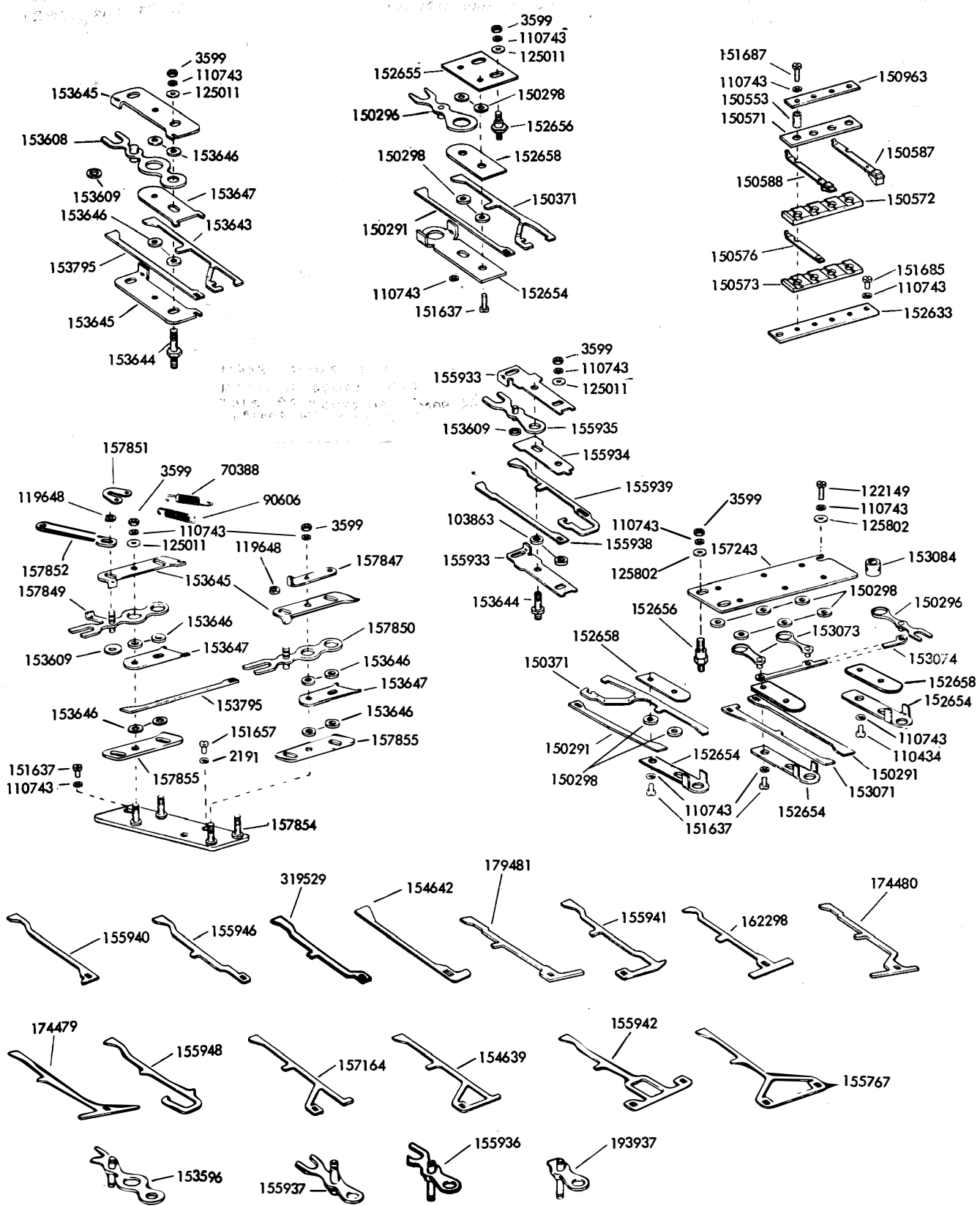
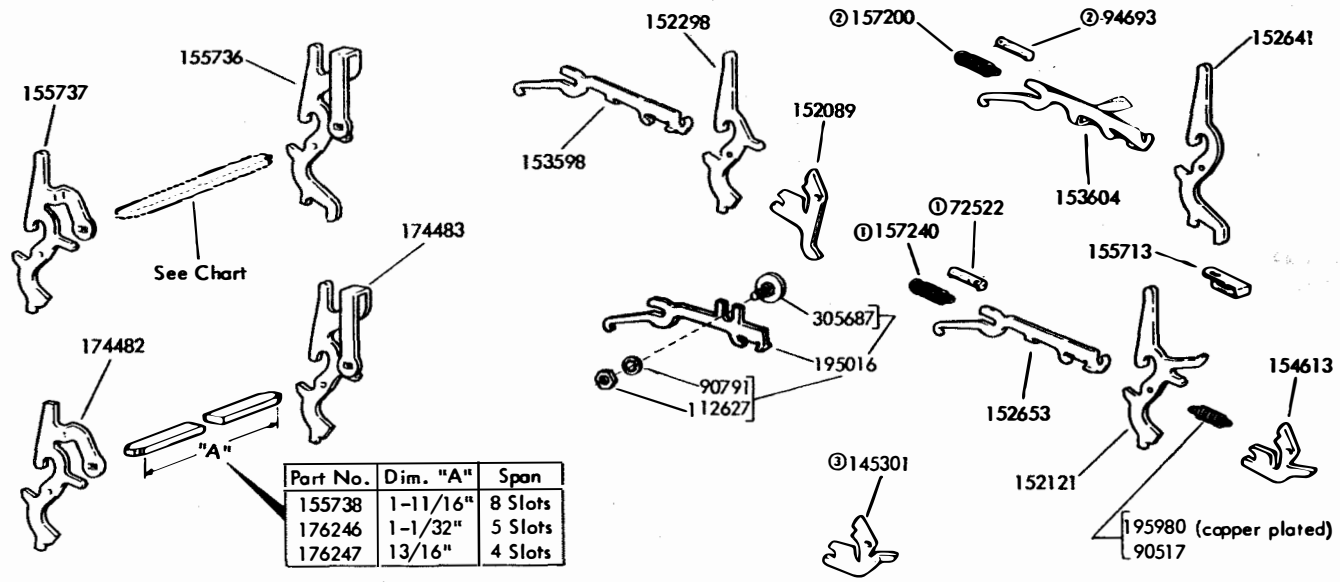


FIGURE 44. SHIFT MECHANISM COMPONENTS

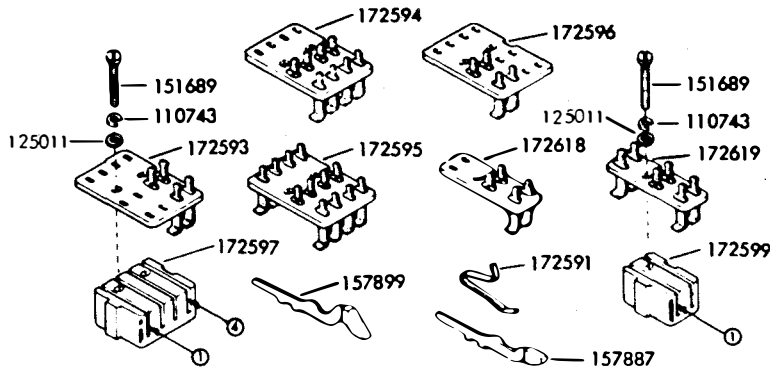


Part No.	Dim. "A"	Span
155738	1-11/16"	8 Slots
176246	1-1/32"	5 Slots
176247	13/16"	4 Slots

 152642	 152659	 157206	 157207	 161649	 162059	 163943
 173141	 174484	 154646	 162484	 193655	 194414	 152299
 153670	 154647	 157205	 163271	 163944	 164311	

- ① Used on units equipped with One-Stop and Three-Stop Clutches
- ② Used on units equipped with Two- Stop Clutches
- ③ Early Design Parts

FIGURE 45. FUNCTION LEVERS

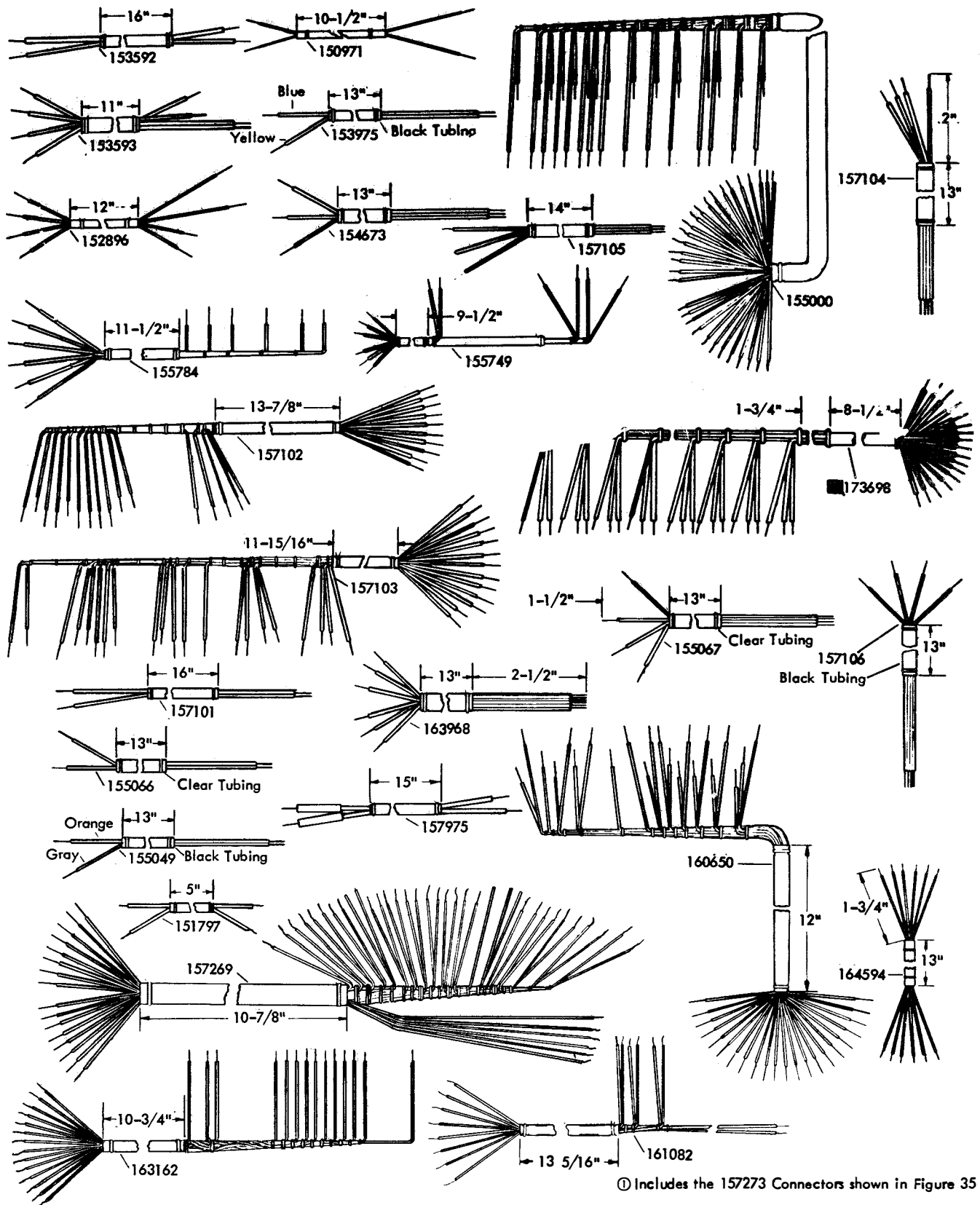


SWITCH ASSEMBLY NO.	CONTACT PLATE NO.	CONTACT ARM POSITION			
		1	2	3	4
172500	172593			157887	157887
172501	172593			157887	
172502	172593				157887
172503	172594	157887	157899	157899	157887
172504	172594	157887			
172505	172594	157899			157899
172506	172594		157887		
172507	172594	157899			
172508	172594	157887	157899		
172509	172594	157899		157899	
172510	172594	157899		157899	157887
172511	172594	157899	157899	157899	157899
172512	172594	157887	157887	157899	
172513	172593			157899	
172514	172594	157887	157887	157887	157887
172515	172594	157887	157887	157887	
172516	172594		157887		157887
172517	172594	157899	157887	157899	157887
172518	172594		157887	157899	157887
172519	172594	157899			157887
172520	172594	157899		157887	157899
172521	172593				157899
172522	172594	157887	157899		157887
172523	172594	157899	157887	157887	157899
172524	172594	157887			157887
172525	172595	157887	157887	157887	157887
172526	172596		157887		
172527	172595			157887	
172528	172595	157887		157887	
172529	172595			157887	157887
172530	172595	157887	157887	157887	
172531	172595	157887		157887	157887
172532	172595	157887			
172533	172595	157887	157887		
172534	172594		157899	157887	
172535	172594			157899	157887
172536	172594	157899	157887	157899	
172538	172595		157887	157887	157887
172539	172595		157887		157887
172540	172594		157899	157887	157887
172541	172594	157899	157887	157887	157887
172542	172594	157887	157899	157887	157887
172543	172594	157899		157887	
172544	172595		157899		157887
172545	172595	157899		157899	
172546	172595	157899		157887	
172547	172595	157887	157899	157887	
172548	172596		157899		
172549	172595				157887
172550	172595	157899			157899
172551	172594		157887	157887	157887
172552	172594	157899		157887	157887
172553	172595		157887	157899	
172554	172594		157899		157899
172555	172595	157899	157887	157899	157899
172556	172595	157887	157887		157887
172557	172594	157887		157887	157887
172558	172595	157899			
172559	172594	157899	157887		
172560	172595	157899	157887	157887	157887
172561	172594		157887	157899	

SWITCH ASSEMBLY NO.	CONTACT PLATE NO.	CONTACT ARM POSITION			
		1	2	3	4
172562	172594			157899	
172563	172594	157887	157899	157887	157899
172564	172594	157899	157887		157899
172565	172595	157899	157887		
172566	172595		157899		
172567	172595		157887		157899
172568	172595	157887			157887
172569	172595		157887	157887	
172570	172595		157887		
172571	172594	157887	157887		157887
172572	172593			157899	157899
172573	172595	157899	157899	157899	157887
172574	172595	157899			157887
172575	172595	157899	157899		
172576	172595	157899	157899	157899	157899
172577	172595	157899	157899	157899	
172578	172595		157899	157899	
172579	172595		157899	157887	
172580	172595	157899		157899	157899
172581	172595		157899		157899
172582	172595	157887	157899	157899	
172583	172595			157887	157899
172584	172595		157899	157899	157899
172585	172595	157887	157887		157899
172586	172595			157899	157899
172587	172595			157899	
172588	172595	157887		157899	
172589	172595				157899
172590	172595	⓪	⓪	⓪	⓪
172600	172618	157887			
172601	172618		157887		
172602	172618	157887	157887		
172603	172619	157887			
172604	172619			157887	
172605	172619	157887	157887		
172606	172618	157899			
172607	172618	157899	157899		
172608	172619	157899			

⓪ 172591 Contact Arm Spring included in slot
For Early Design, See Figure 47

FIGURE 46. SWITCH ASSEMBLIES AND COMPONENTS



① Includes the 157273 Connectors shown in Figure 35

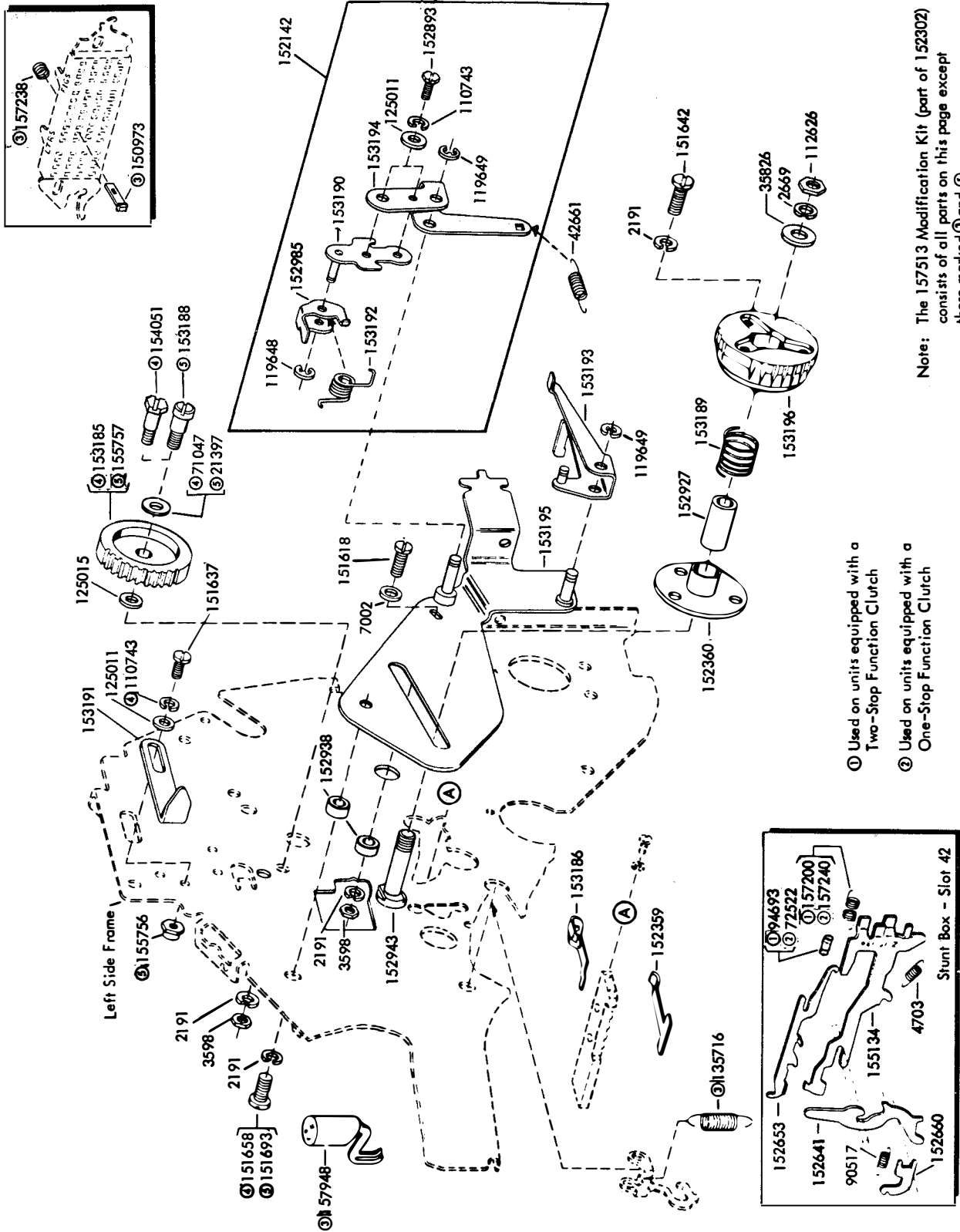
FIGURE 48. CABLE ASSEMBLIES

CONDITION OF TYPING UNIT FOR FUNCTION BAR SELECTION	NO RESTRICTION	UPPER CASE	LOWER CASE	SELECT	NON-SELECT	PRINT	NON-PRINT	CONDITION OF TYPING UNIT FOR FUNCTION BAR SELECTION
A	152676			155100	153409	155191		A
B	152677	153526		155101	153410	155192		B
C	152678	153520		155102	153411	155193		C
D	152679	153521		155103	153412	155194		D
E	152680	153166		155104	153413	155195		E
F	152681	153160	153326	155105	153414	155196	155286	F
G	152682	153162	153327	155106	153415	155197	155287	G
H	152683	152673	153328	155107	153416	155198	155288	H
I	152684	155249	153329	155108	153417	155199	155289	I
J	152685	152694	153330	155109	153418	155200	155290	J
K	152686	153529		155110	153419	155201		K
L	152687	153522		155111	153420	155202		L
M	152688	152674		155112	153421	155203		M
N	152689	153523		155113	153422	155204	155294	N
O	152690	153528		155114	153423	155205		O
P	152691	155250	153336	155115	153424	155206	155296	P
Q	152692	153165	153337	155116	153425	155207	155297	Q
R	152695	153167	153338	155117	153426	155208	155298	R
S	152696	152672	153339	155118	153427	155209	155299	S
T	152697	153524	153169	155119	153428	155210	155300	T
U	152698	155248	153340	155120	153429	155211		U
V	152699	153164		155121	153430	155212		V
W	152700	153163		155122	153431	155213		W
X	152701	153525		155123	153432	155214		X
Y	152702	153527		155124	153433	155215		Y
Z	152703	153161		155125	153434	155216	155306	Z
BLANK LETTERS	152669	152693	152675	155312		155217	155307	BLANK LETTERS
FIGURES	152665			155313		153438		FIGURES
SPACE	152666							SPACE
CARRIAGE-RETURN	155129			155314	152670			CARRIAGE-RETURN
LINE FEED	152667			155128	199519	155127		LINE FEED
ANY CHARACTER OR FUNCTION	152668			155315		153435	155130	ANY CHARACTER OR FUNCTION
M & N	152704	153168		155311	152671			M & N
M & V	199518			155132				M & V
PULSE #1				155218			162636	PULSE #1
" #2							162637	" #2
" #3							162638	" #3
" #4							162639	" #4
" #5							162640	" #5
UNIV.							155159	UNIV.
POSITION OF FUNCTION BAR TINES		MARKING	SPACING	MARK-ING	SPACING	SPAC-ING	MARKING	SUPPRESSION LEVEL ZERO LEVEL SHIFT LEVEL

FIGURE 50. FUNCTION BAR CONDITION CHART

CONDITION OF TYPING UNIT FOR FUNCTION BAR SELECTION	PRINT NON-SELECT	PRINT UPPER CASE	PRINT SELECT	SELECT LOWER CASE	PRINT LOWER CASE	SELECT UPPER CASE	NON-SELECT LOWER CASE	CONDITION OF TYPING UNIT FOR FUNCTION BAR SELECTION
A								A
B								B
C								C
D								D
E								E
F	155141							F
G	155135							G
H	155142			155133				H
I	155143							I
J	155131							J
K	155144							K
L	155145							L
M								M
N								N
O								O
P					155176		155366	P
Q					155177		155367	Q
R					155178		155368	R
S					155179		155369	S
T	153437				155180		155370	T
U								U
V								V
W								W
X								X
Y								Y
Z		155134				155246 155247		Z
BLANK LETTERS								BLANK LETTERS
FIGURES								FIGURES
SPACE							192466	SPACE
CARRIAGE-RETURN								CARRIAGE-RETURN
LINE FEED								LINE FEED
ANY CHARACTER OR FUNCTION								ANY CHARACTER OR FUNCTION
M & N	153436		155126					M & N
M & V								M & V
PULSE #1								PULSE #1
" 2								" 2
" 3								" 3
" 4								" 4
" 5								" 5
UNIV.								UNIV.
POSITION OF FUNCTION BAR TINES	SPACING	SPACING	SPACING	MARKING	SPACING	MARKING	MARKING	SPACING
SUPPRESSION LEVEL	SPACING	SPACING	SPACING	MARKING	SPACING	MARKING	MARKING	SUPPRESSION LEVEL
ZERO LEVEL	SPACING	SPACING	SPACING	MARKING	SPACING	MARKING	MARKING	ZERO LEVEL
SHIFT LEVEL	SPACING	SPACING	SPACING	MARKING	SPACING	MARKING	MARKING	SHIFT LEVEL

FIGURE 51. FUNCTION BAR CONDITION CHART



Note: The 157513 Modification Kit (part of 152302) consists of all parts on this page except those marked ① and ②

Note: The 162847 Modification Kit (part of 155763) consists of all parts on this page except those marked ③ and ④

- ① Used on units equipped with a Two-Stop Function Clutch
- ② Used on units equipped with a One-Stop Function Clutch

Specification 57515

FIGURE 52. 152302 (SPROCKET FEED) AND 155763 (FRICTION FEED) MODIFICATION KITS TO PROVIDE PAGE FEED-OUT ON UPPER CASE "Z"

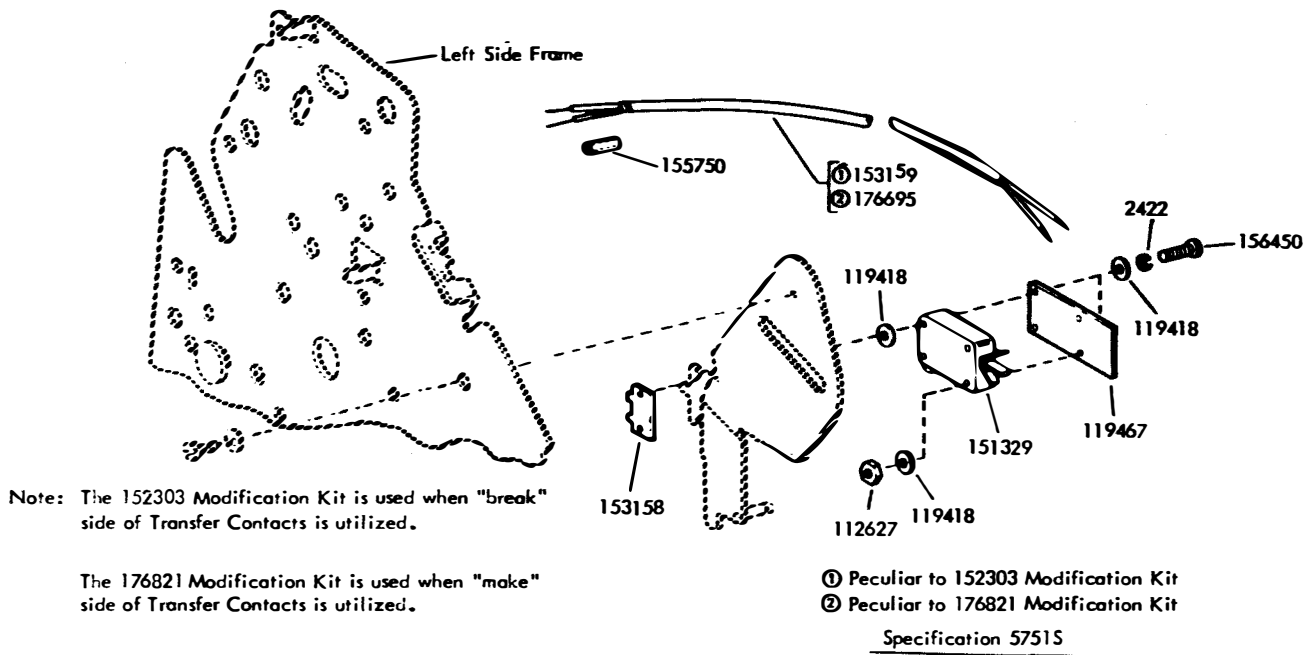


FIGURE 53. 152303 AND 176821 MCDIFICATION KITS TO PROVIDE PAGE FEED-CUT TRANSMITTER CONTROL

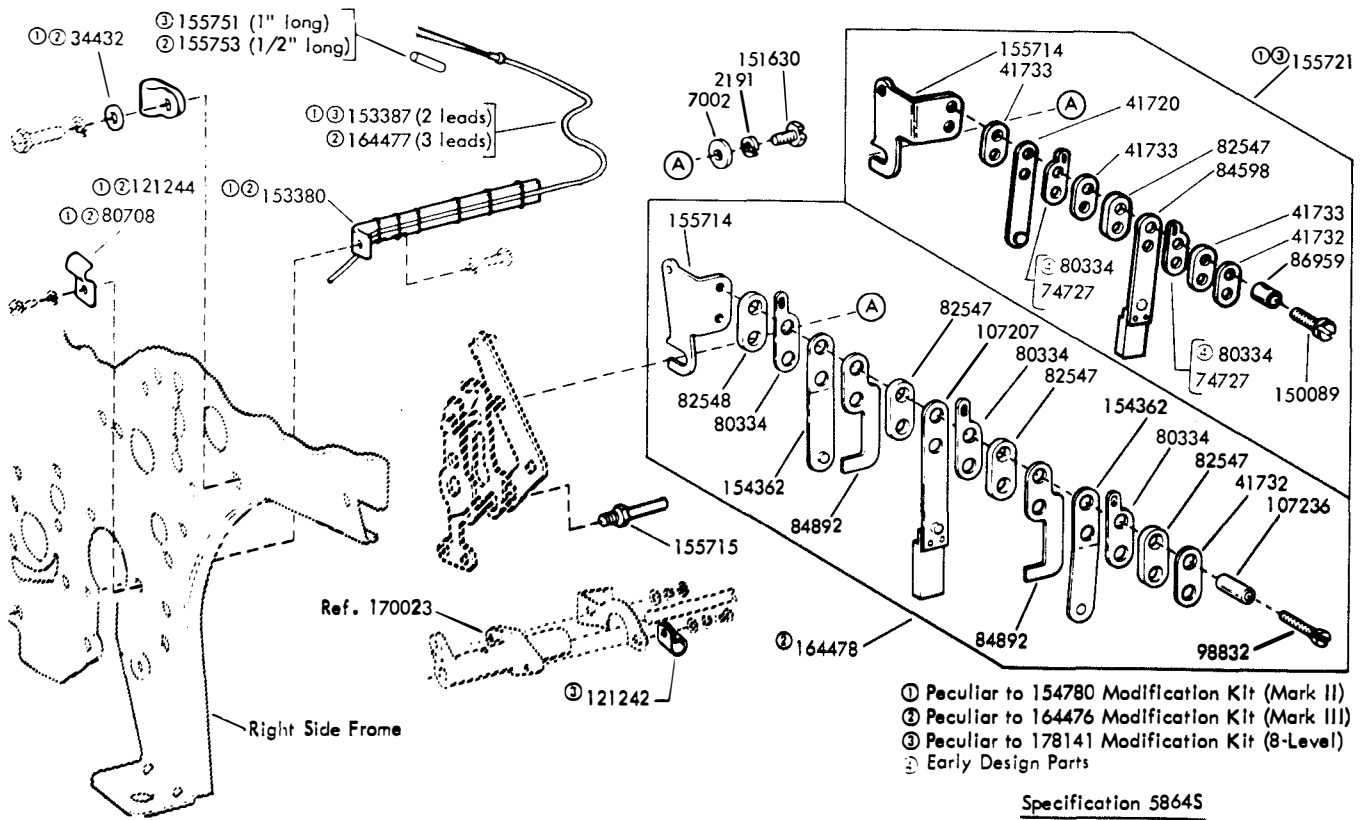
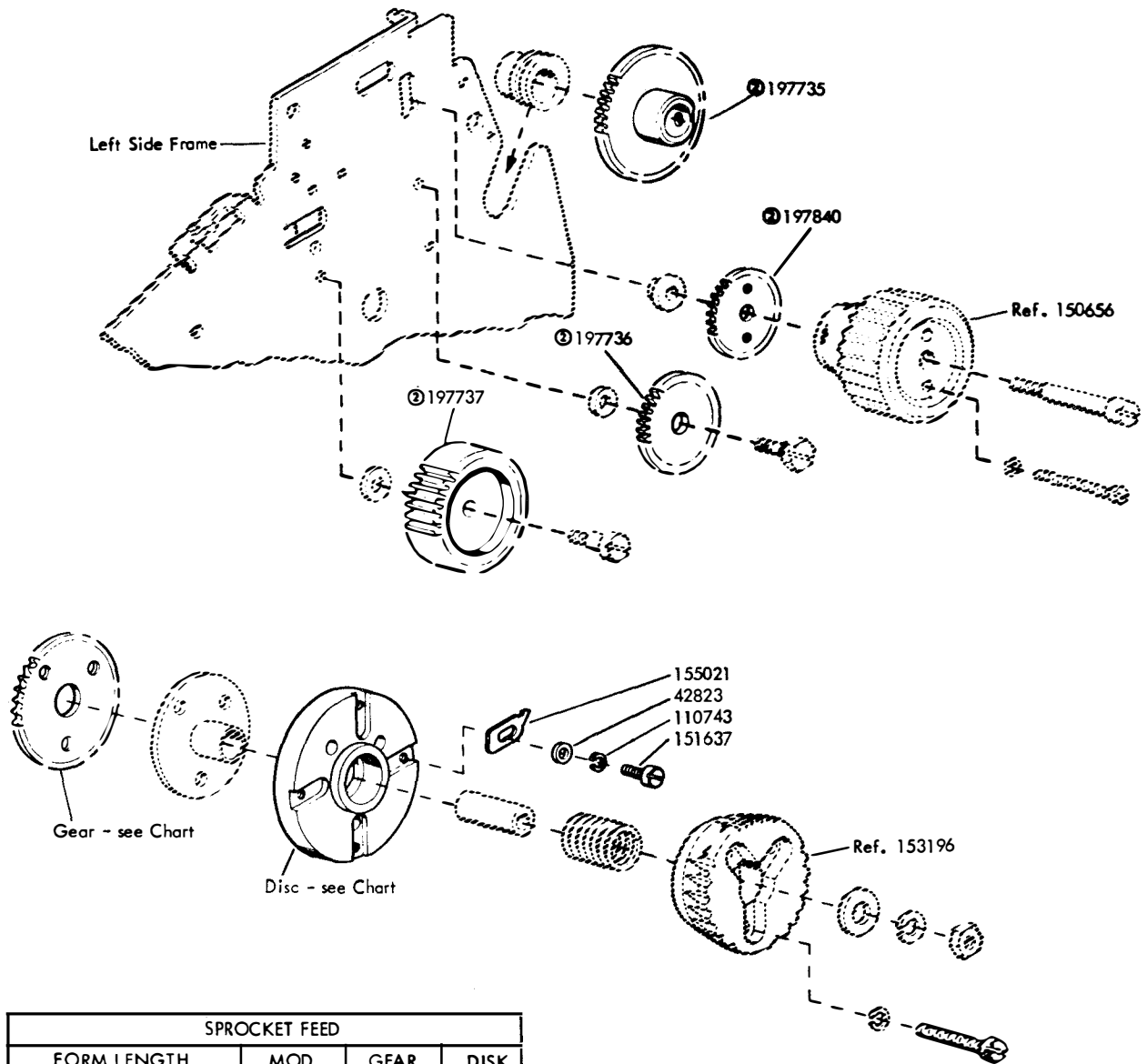


FIGURE 54. 154780, 164476 AND 178141 MCDIFICATION KITS TO PROVIDE HORIZONTAL TABULATOR XD CONTROL



SPROCKET FEED			
FORM LENGTH IN INCHES	MOD. KIT	GEAR NO.	DISK NO.
7-1/2, 15	153927	153207	153217
3-1/2, 7, 14	153928	153206	153216
6-1/2, 13	153929	153205	153215
3, 6, 12	153930	153204	153214
5-1/2, 11	153931	153203	153213
5, 10	153932	153202	153212
9-1/2	153933	153201	153211
4-1/2, 9	153934	153200	153210
8-1/2	153935	153199	153209
2, 4, 8	153936	153198	153208
3-2/3, 7-1/3, 14-2/3	161140	161250	161260
3-1/4, 6-1/2, 13	①197847	197732	197730
4-1/4	①197848	197731	197729

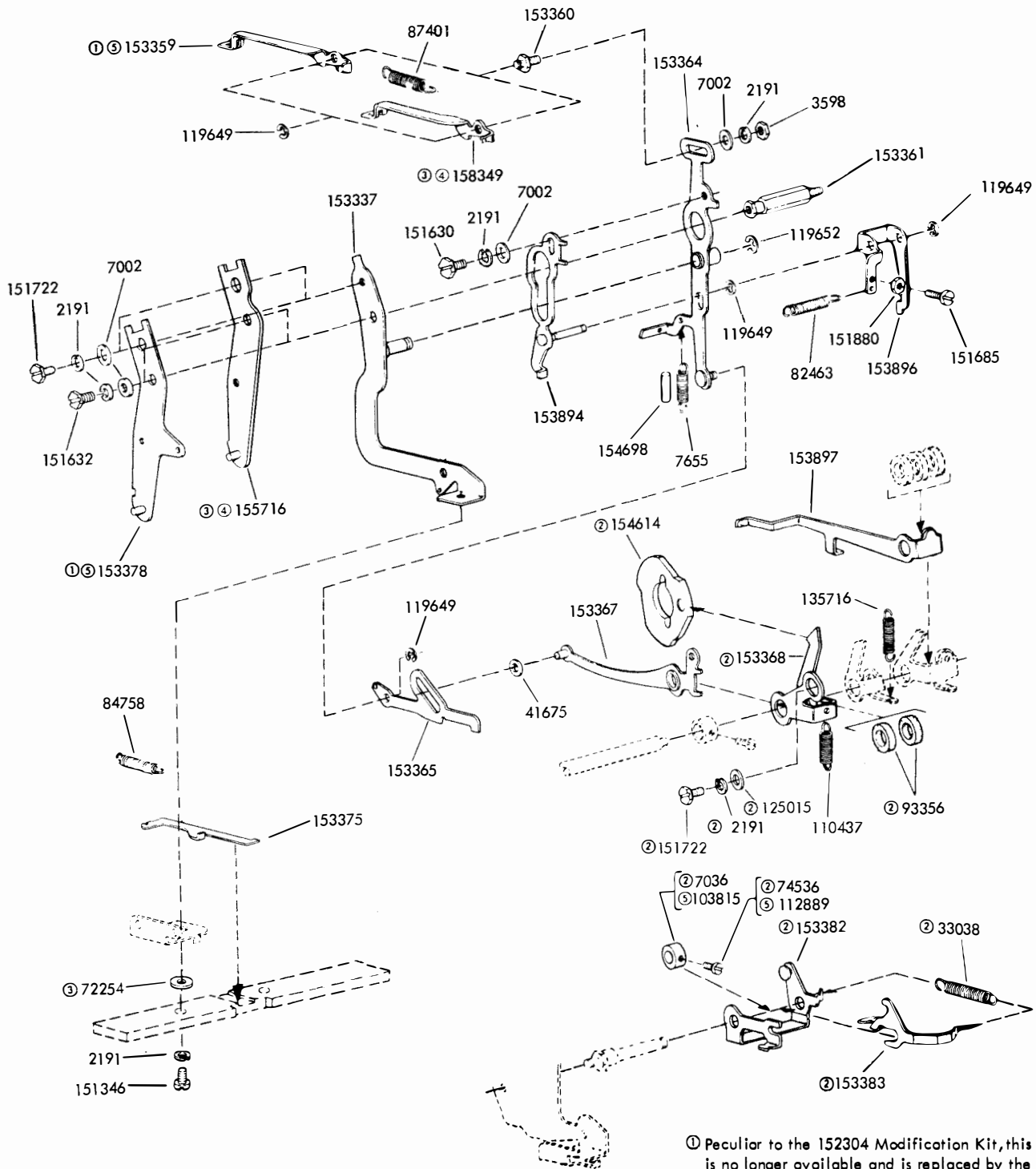
FRICTION FEED			
FORM LENGTH IN INCHES	MOD. KIT	GEAR NO.	DISK NO.
5-1/2, 11	155765	155758	153213
2, 4, 8	161767	155759	153208

① The 197847 and 197848 Modification Kits can only be used with the 154742 Modification Kit (4 lines per inch)

② Part of 197847 and 197848 Modification Kits only

Specification 57515

FIGURE 55. PAGE FEED-OUT FORM LENGTH GEAR AND DISK MODIFICATION KITS



- ① Peculiar to the 152304 Modification Kit, this kit is no longer available and is replaced by the 152903 Modification Kit.
- ② Peculiar to the 152903 Modification Kit (58645)
- ③ Peculiar to the 157508 Modification Kit (Part of the 152903-58645)
- ④ Peculiar to the 163180 Modification Kit-12 to inch (58645)
- ⑤ Early Design Parts

FIGURE 56. MODIFICATION KITS TO PROVIDE HORIZONTAL TABULATION

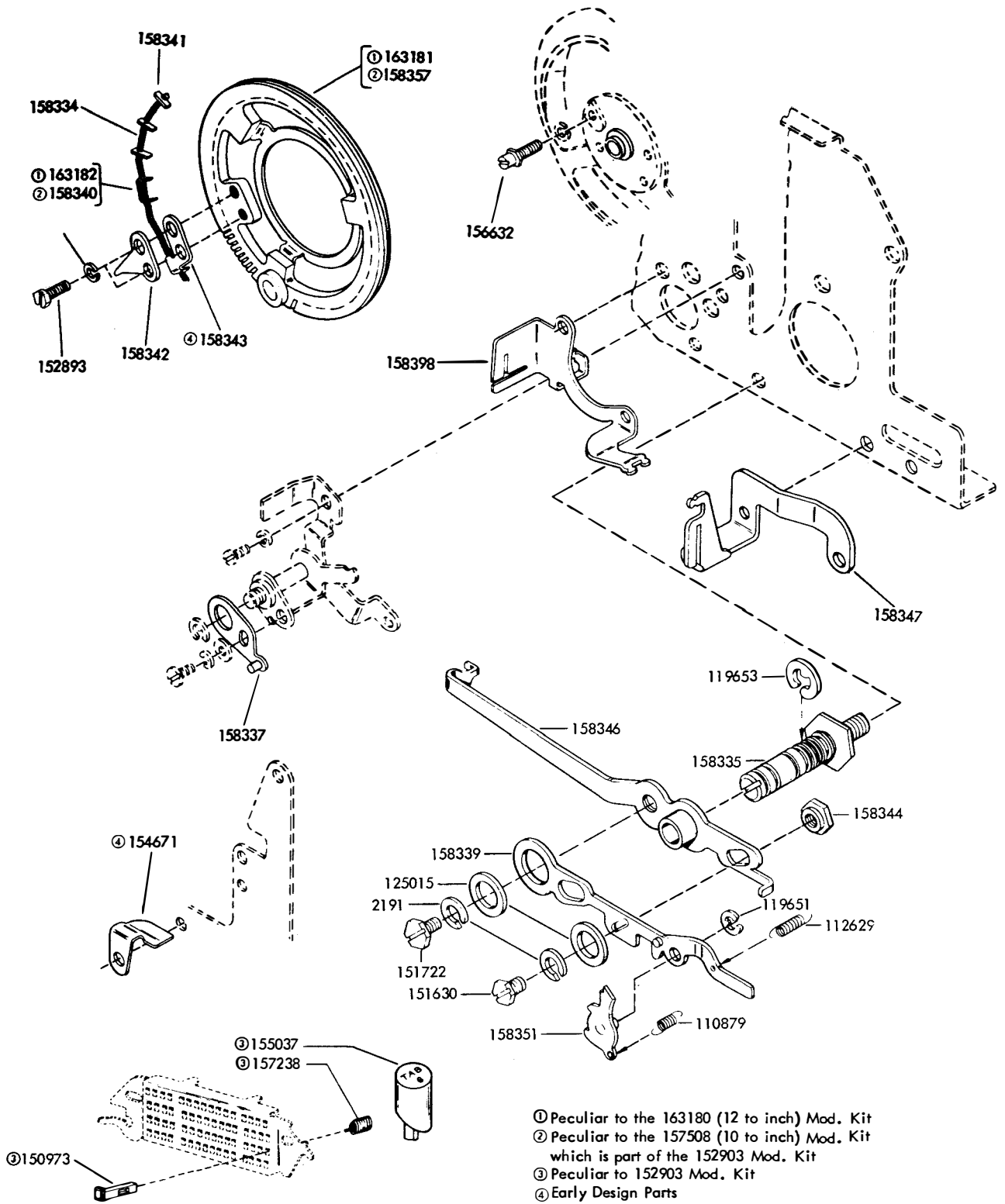
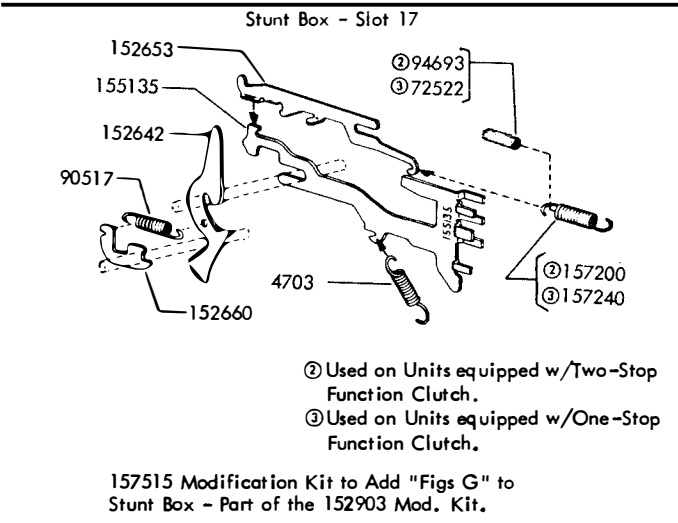
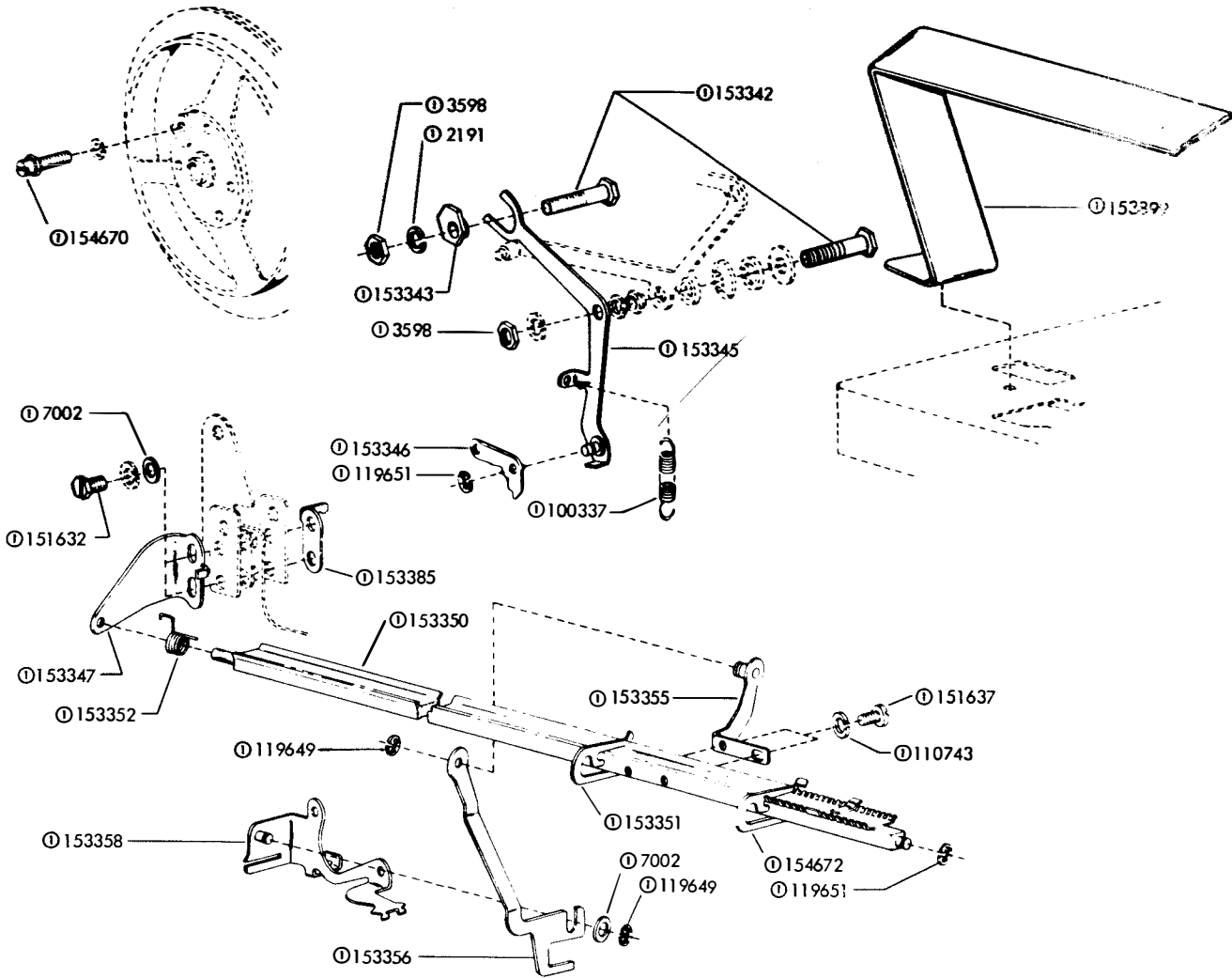
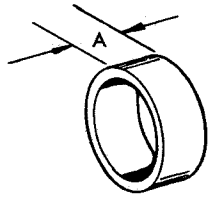


FIGURE 57. MODIFICATION KITS TO PROVIDE HORIZONTAL TABULATION (Continued)



① Peculiar to the 15230 Mod. Kit, this kit is no longer available and is replaced by the 152903 Mod. Kit. (586 S)

FIGURE 58. MODIFICATION KITS TO PROVIDE HORIZONTAL TABULATION (Continued)



Part No.	Dim. "A"
155581	.250
155582	.500
155583	1.000
155584	2.000

FIGURE 59. 159362 MODIFICATION KIT TO PROVIDE SPACERS FOR CENTERING NARROW PAPER ROLL ON SPINDLE

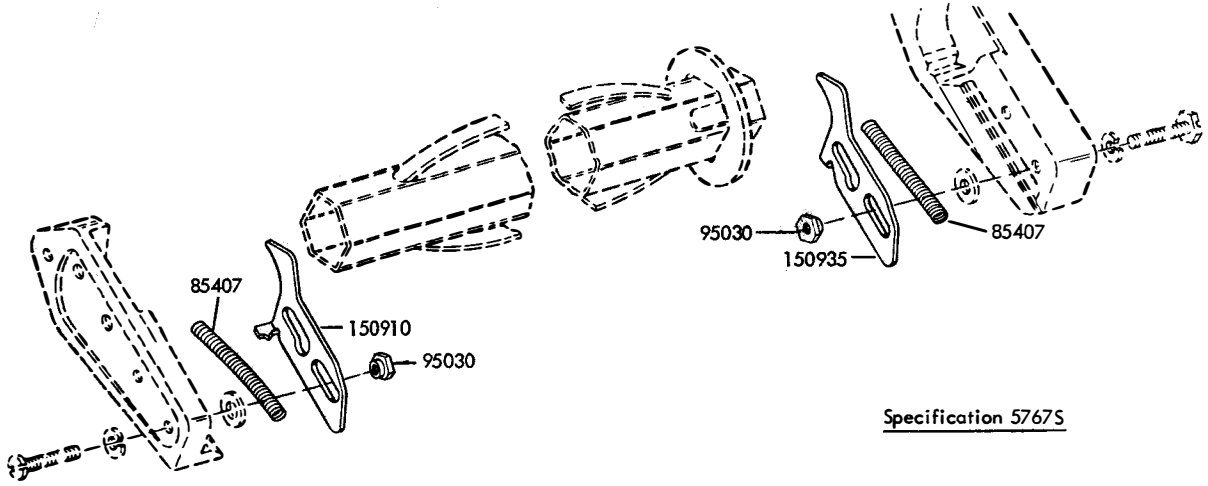


FIGURE 60. 151799 MODIFICATION KIT TO PROVIDE LATCHES FOR PAPER SPINDLE

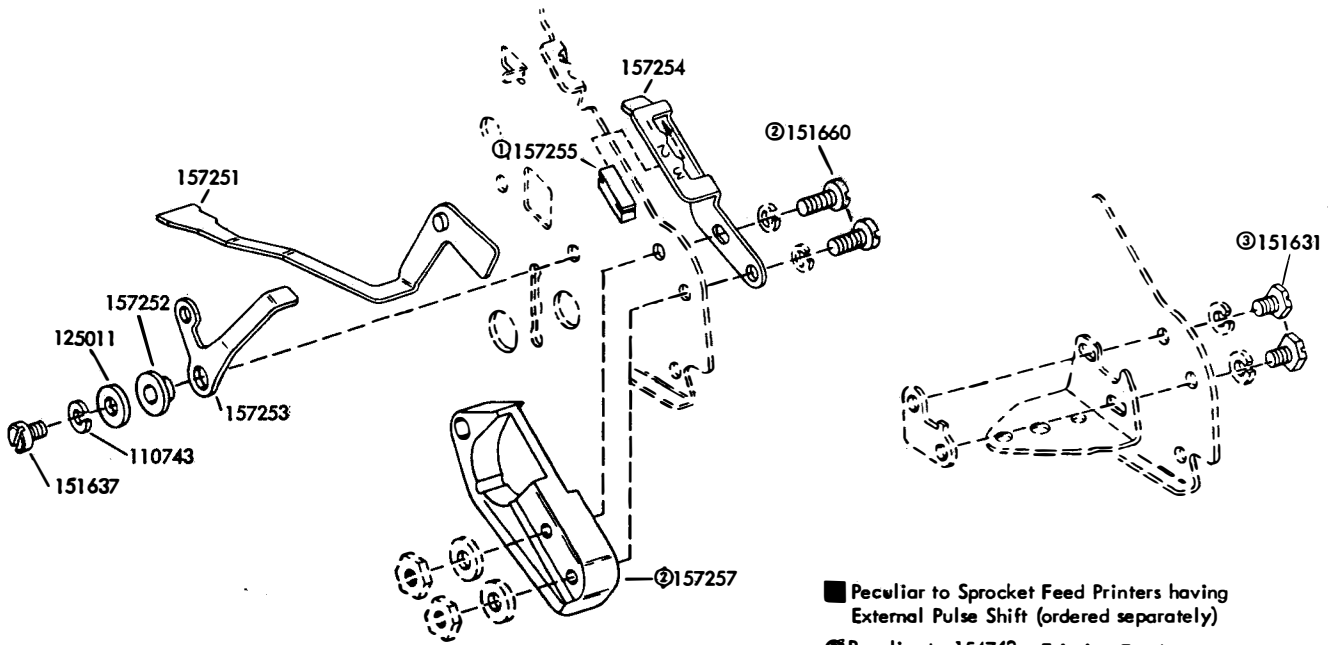


FIGURE 61. 152315 AND 154743 MODIFICATION KITS TO PROVIDE MANUAL SELECTION OF STUNT BOX OPERATION

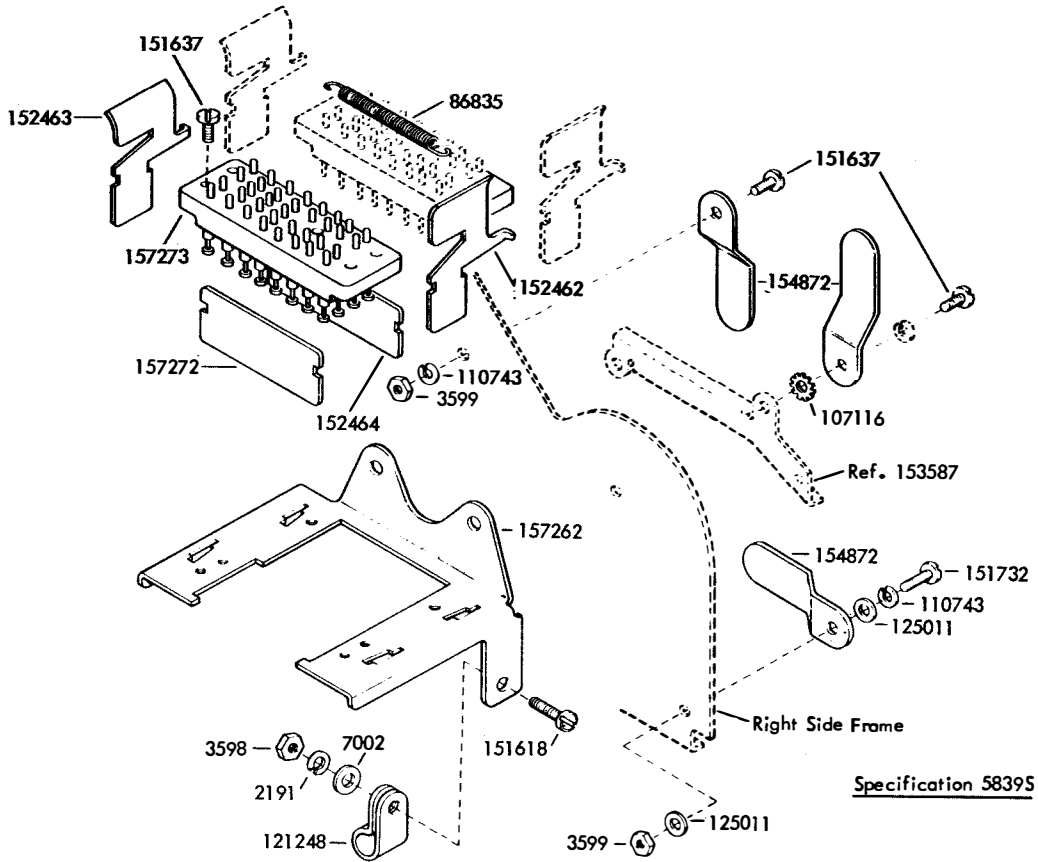


FIGURE 62. 154727 MODIFICATION KIT TO PROVIDE AUXILIARY CONNECTOR

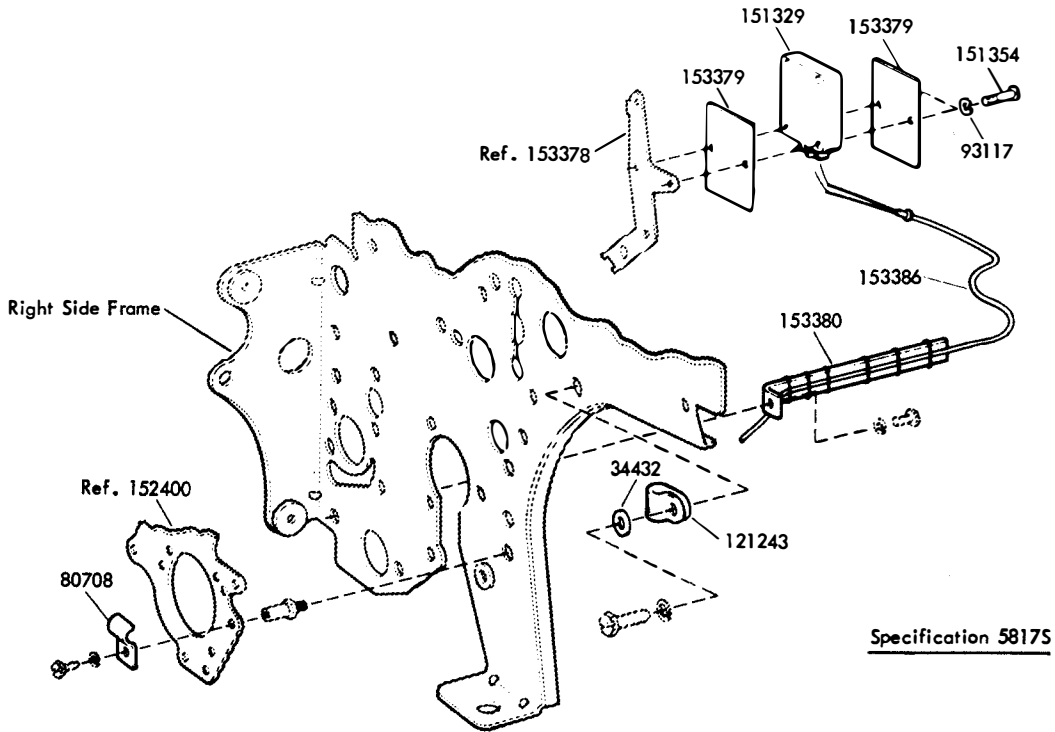


FIGURE 63. 152317 MODIFICATION KIT TO PROVIDE HORIZONTAL TABULATOR XD CONTROL

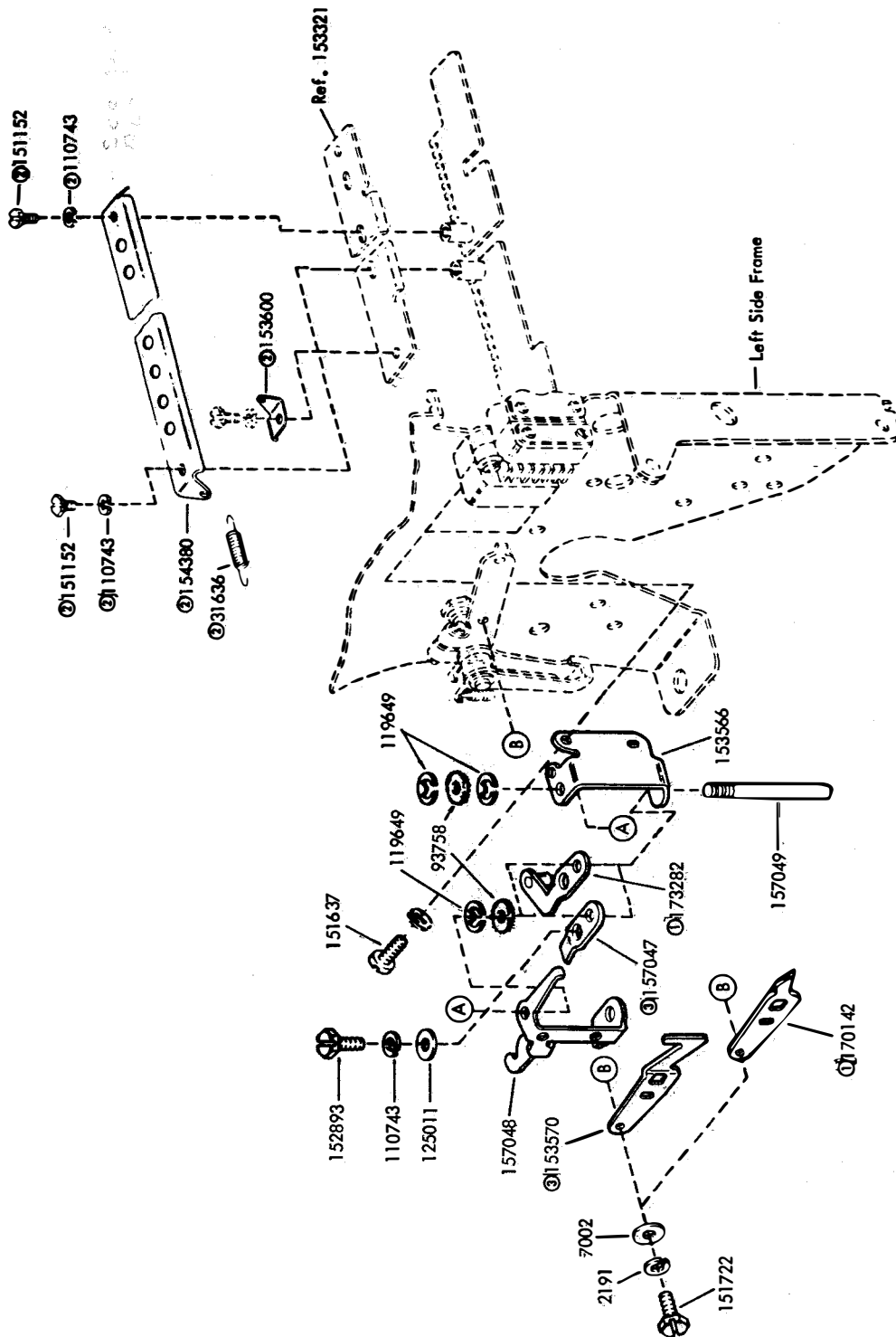


FIGURE 64. 152337, 157509 AND 173283 MODIFICATION KITS TO PROVIDE ON-LINE STUNT SHIFT CONTROL

- ① Part of 173283 Modification Kit (8 Level)
- ② Part of 152337 (Mark II) and 173283-(8 Level) Modification Kits
- ③ Part of 152337 (Mark II) and 157509 (Mark III) Modification Kits

Specification 58235

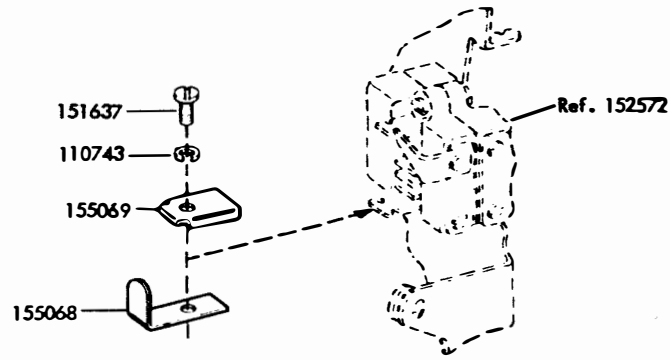
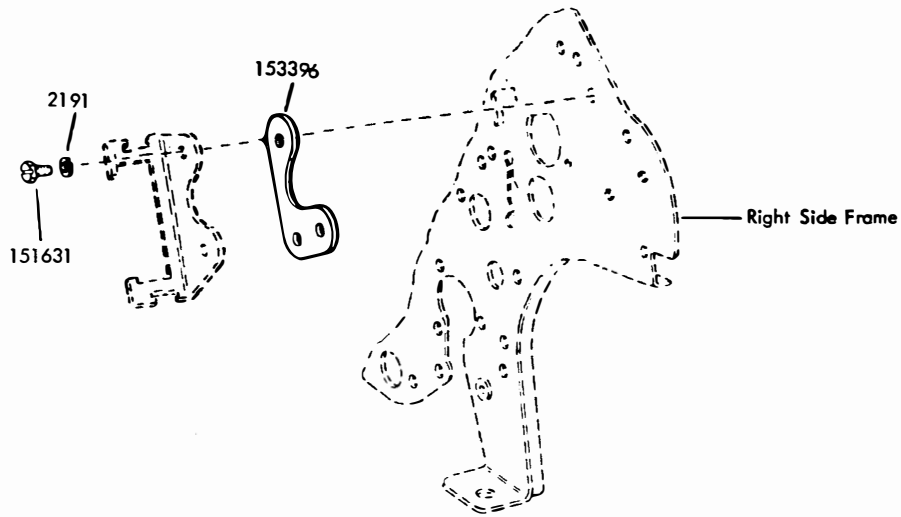
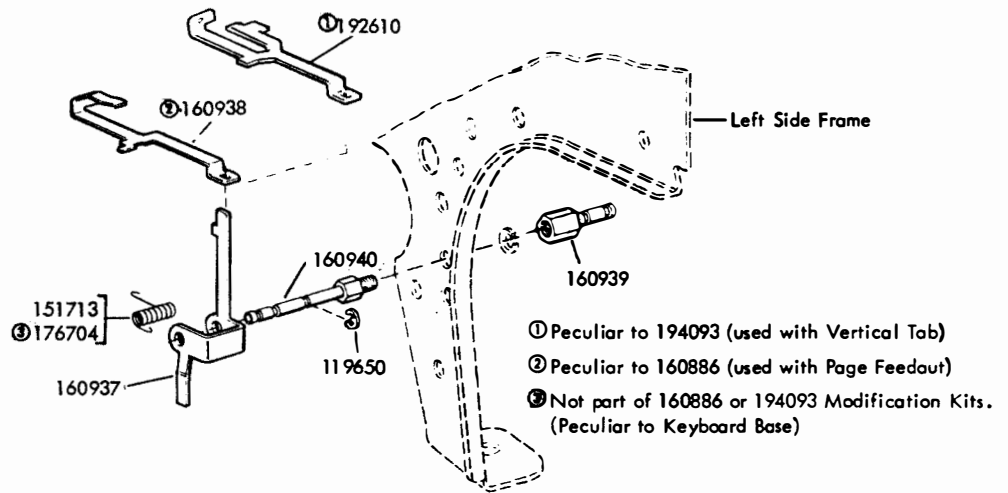


FIGURE 65. 153912 MODIFICATION KIT TO PROVIDE FIGS. -LTRS. CODEBAR MANUAL SHIFTING



Specification 57935

FIGURE 66. 152312 MODIFICATION KIT TO CONVERT PRINTER FOR USE WITH LIGHTWEIGHT SET



Specification 58905

FIGURE 67. 160886 AND 194093 MODIFICATION KITS TO PROVIDE LOCAL FORM FEED-OUT (RECEIVING ONLY BASE)

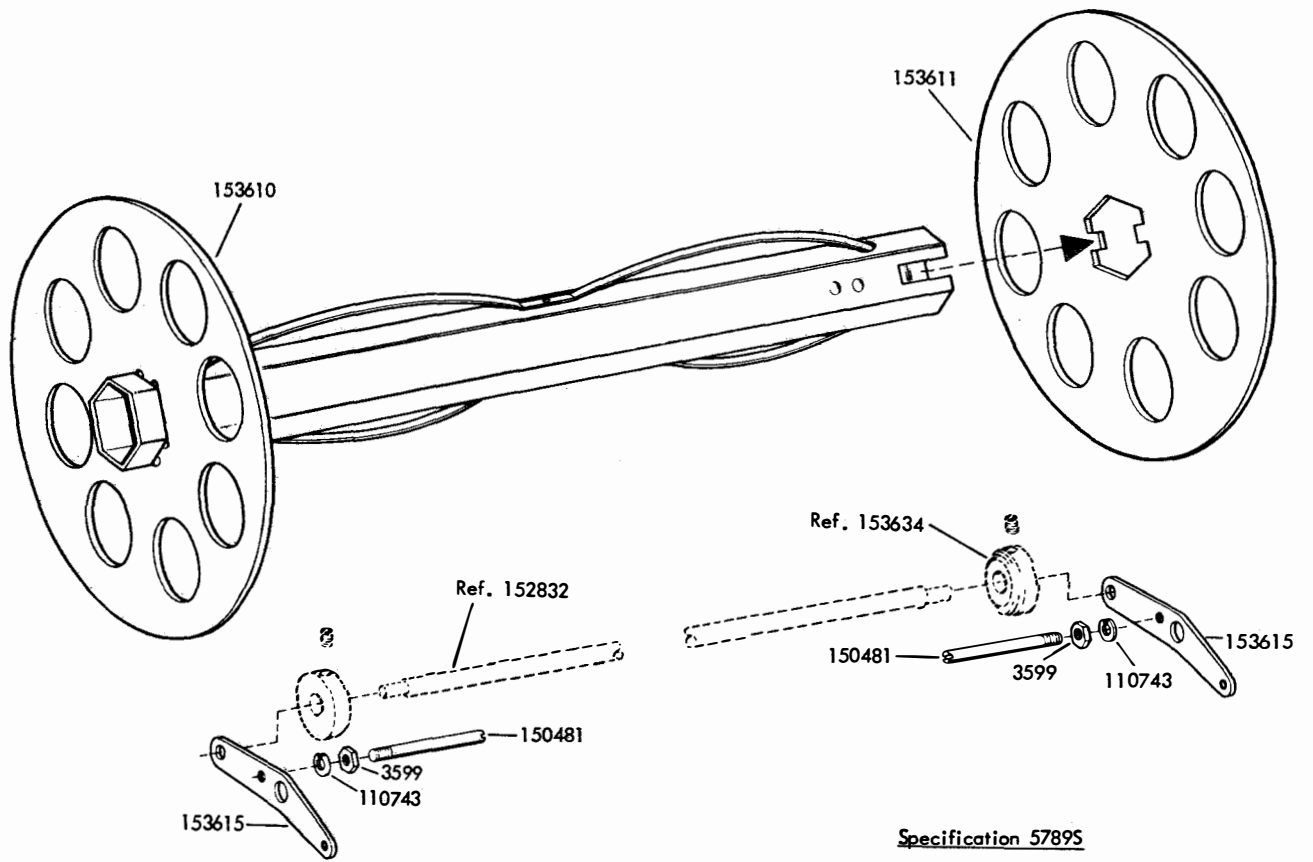


FIGURE 68. 152340 MODIFICATION KIT TO PROVIDE MULTI-COPY PAPER HANDLING

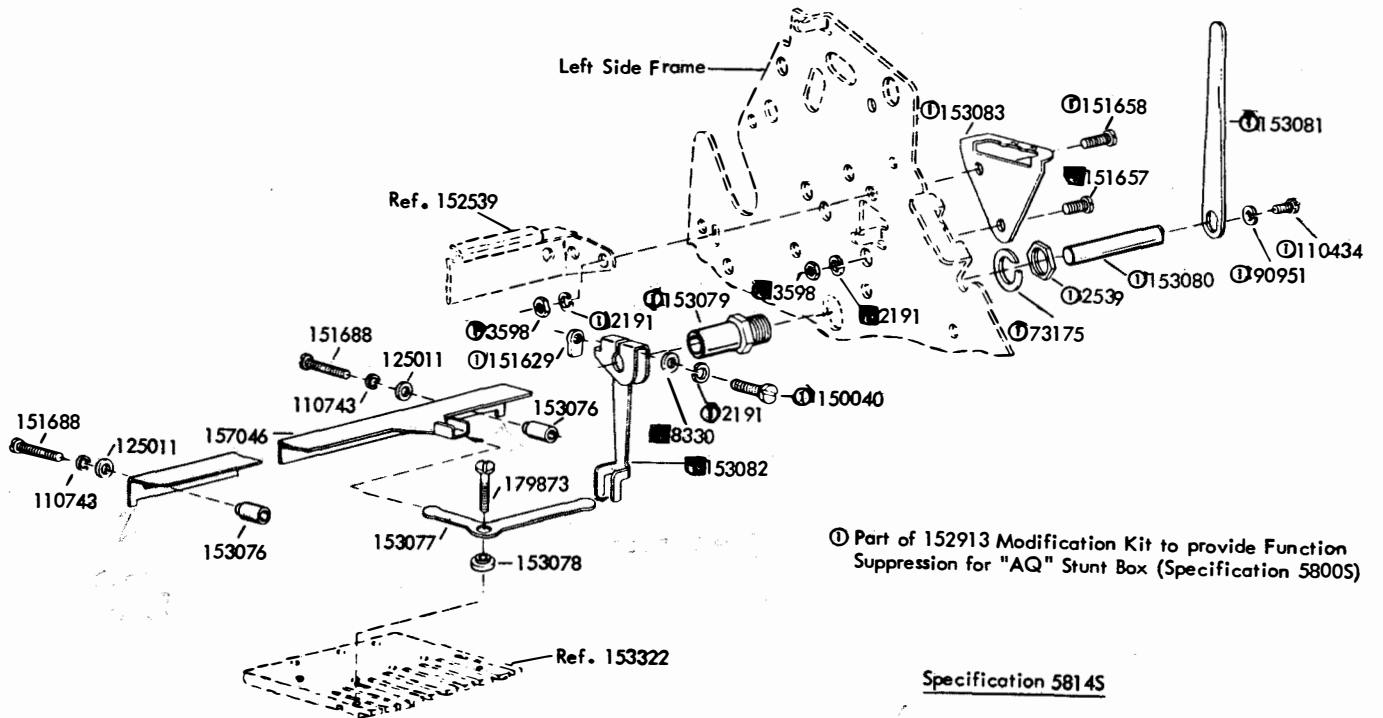
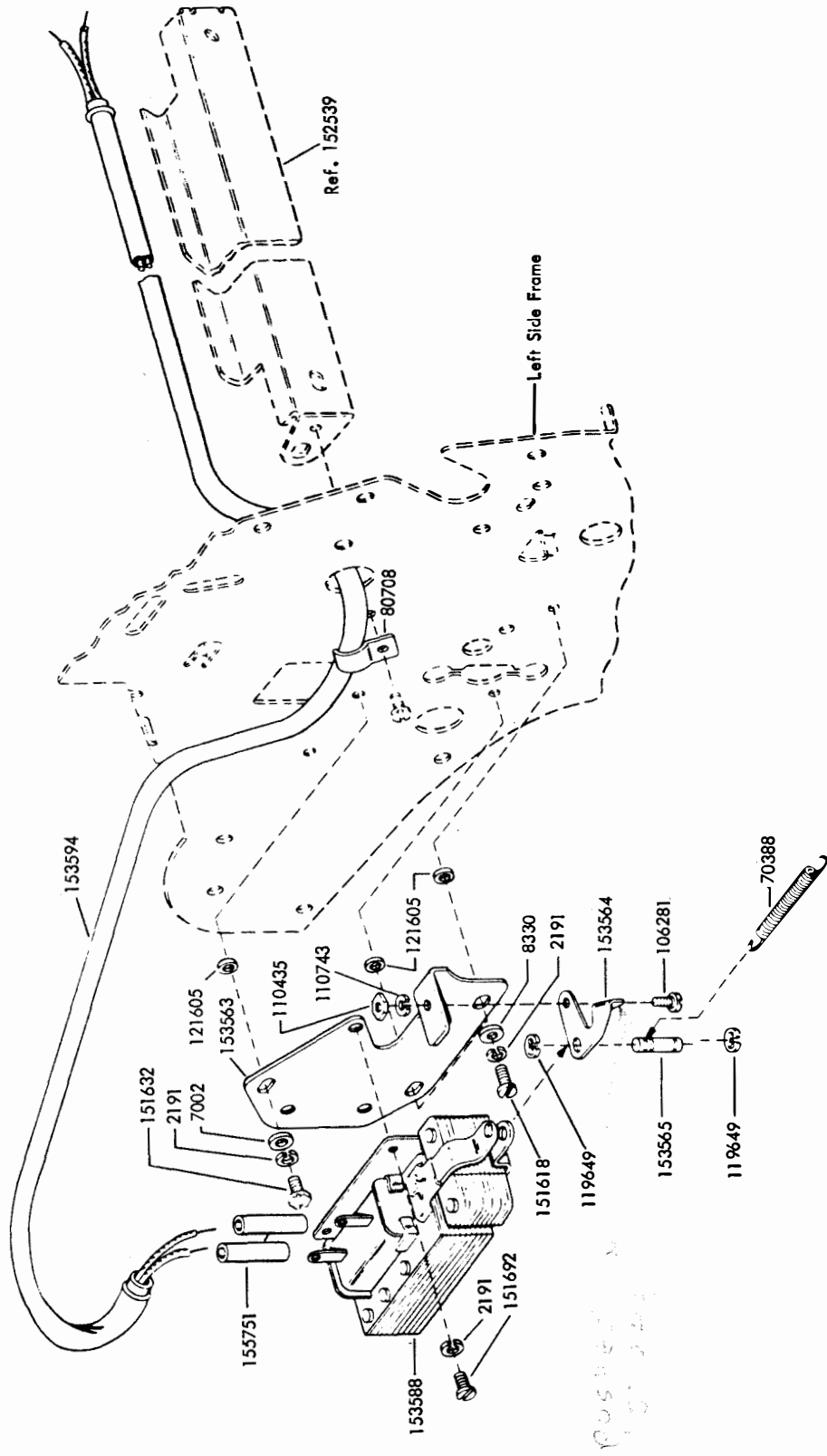


FIGURE 69. 153910 MODIFICATION KIT TO PROVIDE FUNCTION SUPPRESSION FOR "AZ" STUNT BOX



Specification 58235

FIGURE 70. 152345 MODIFICATION KIT TO PROVIDE OFF-LINE STUNT SHIFT CONTROL

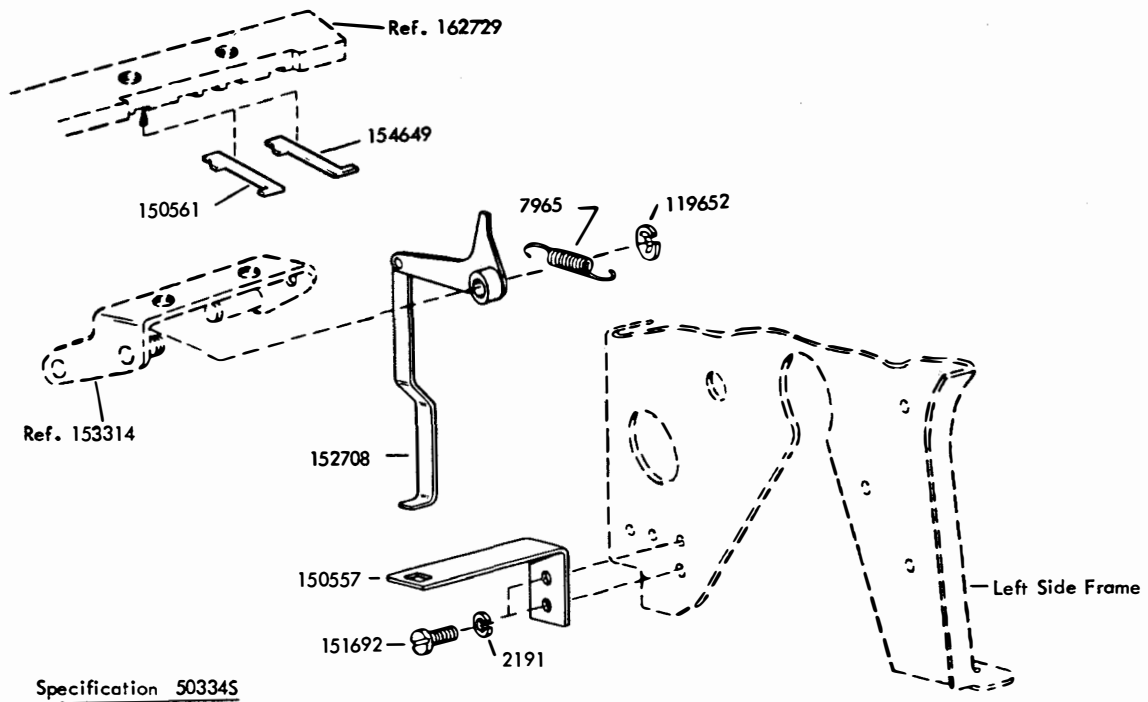


FIGURE 71. 152350 MODIFICATION KIT TO PROVIDE KEYBOARD LOCK

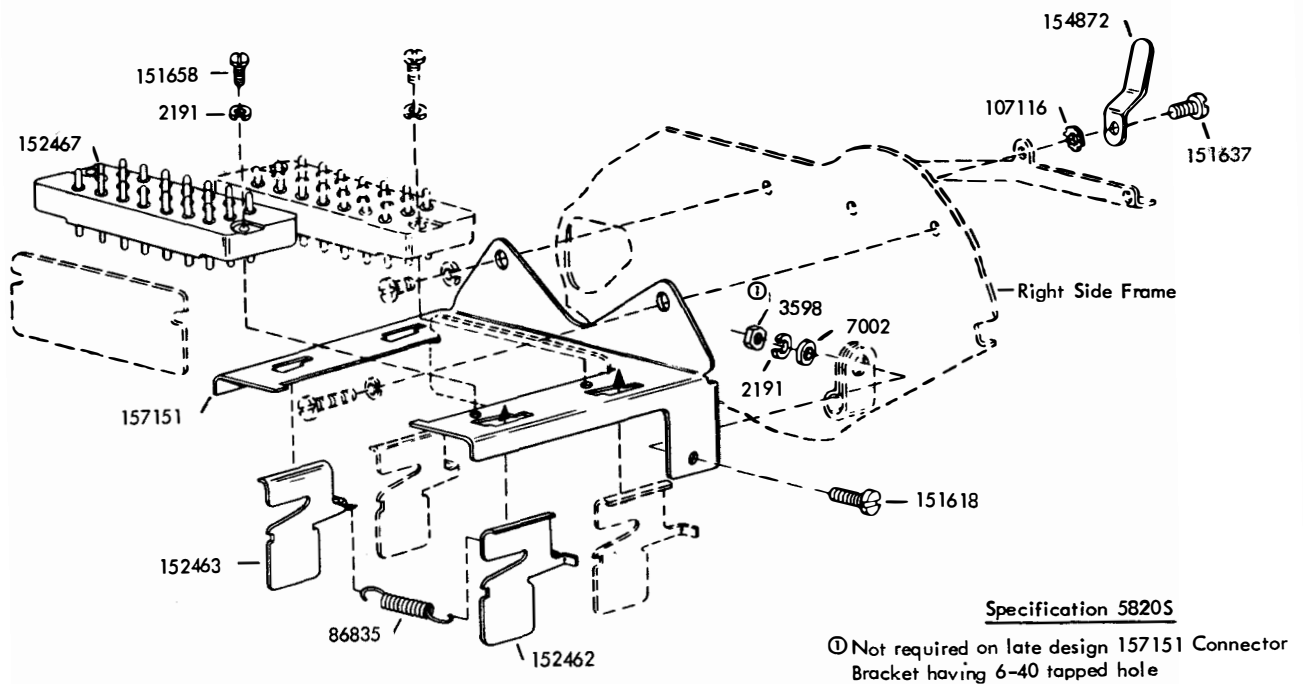


FIGURE 72. 153919 MODIFICATION KIT TO PROVIDE AUXILIARY CONNECTOR

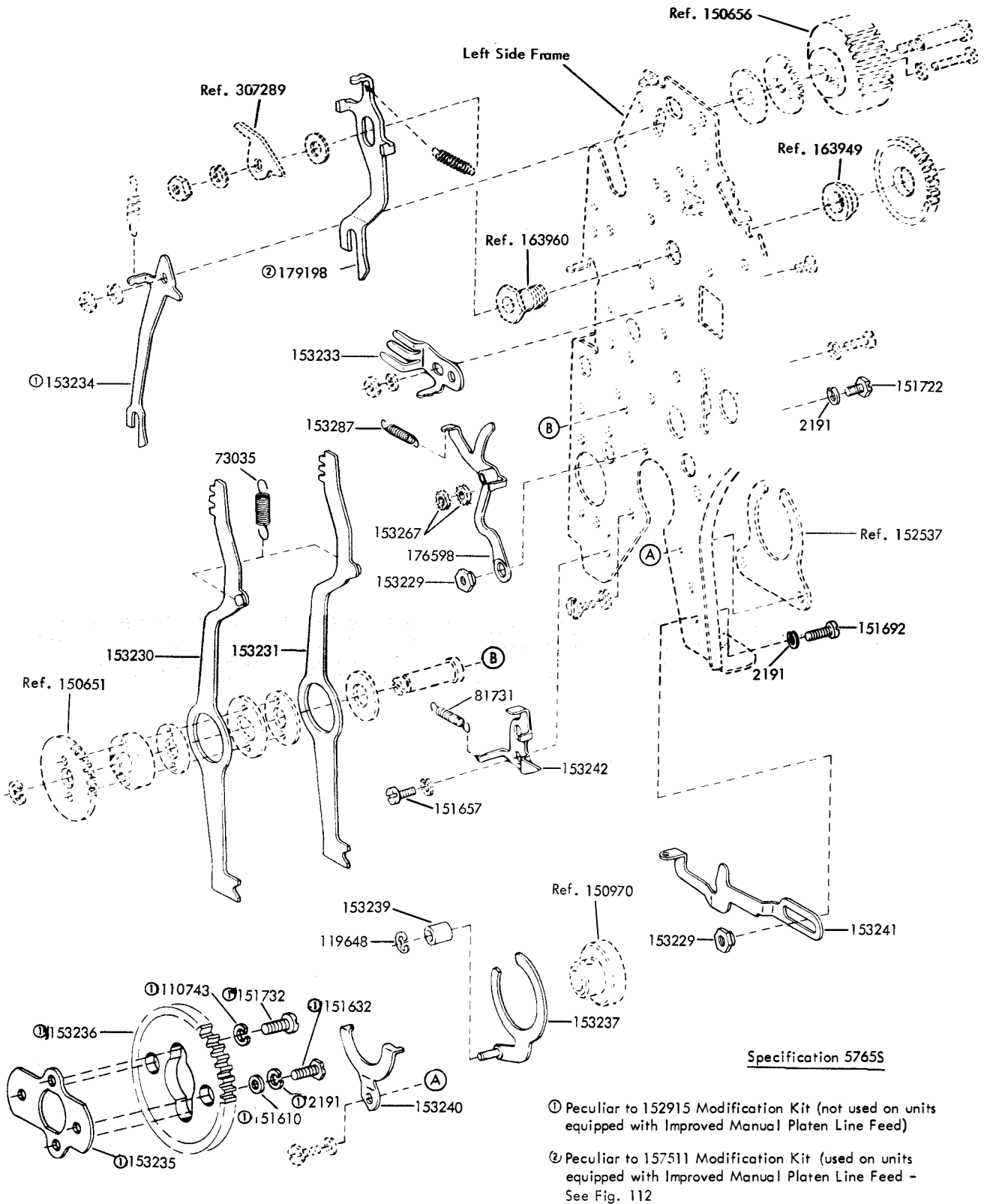
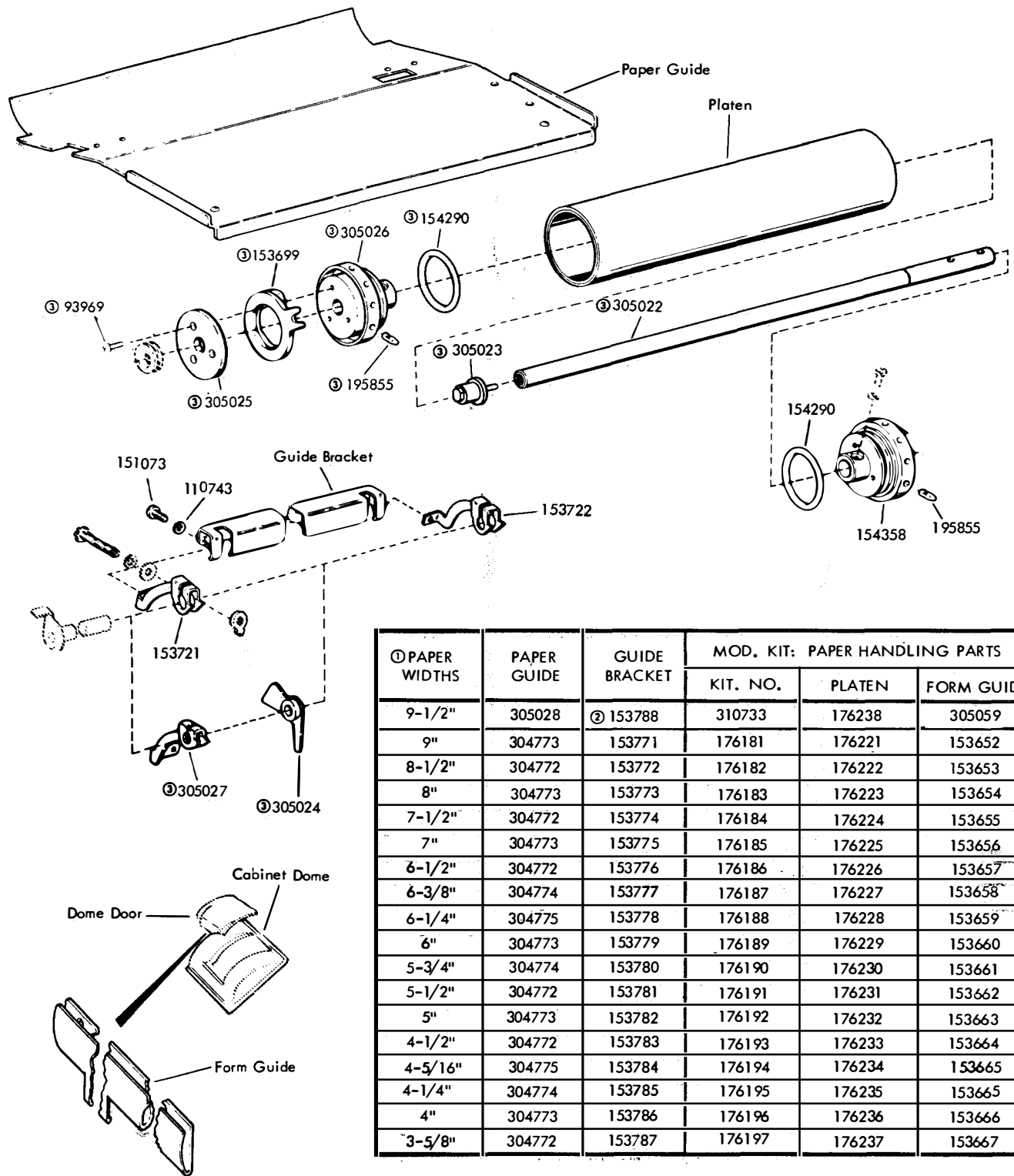


FIGURE 73. 152915 AND 157511 MODIFICATION KITS TO PROVIDE LOCAL REVERSE LINE FEED



Specification 57925

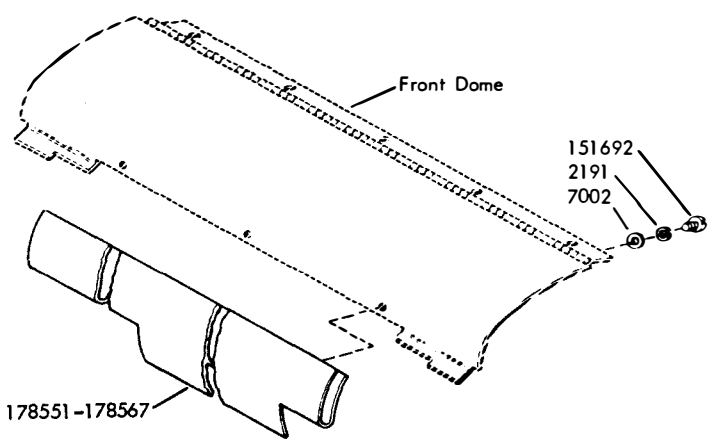
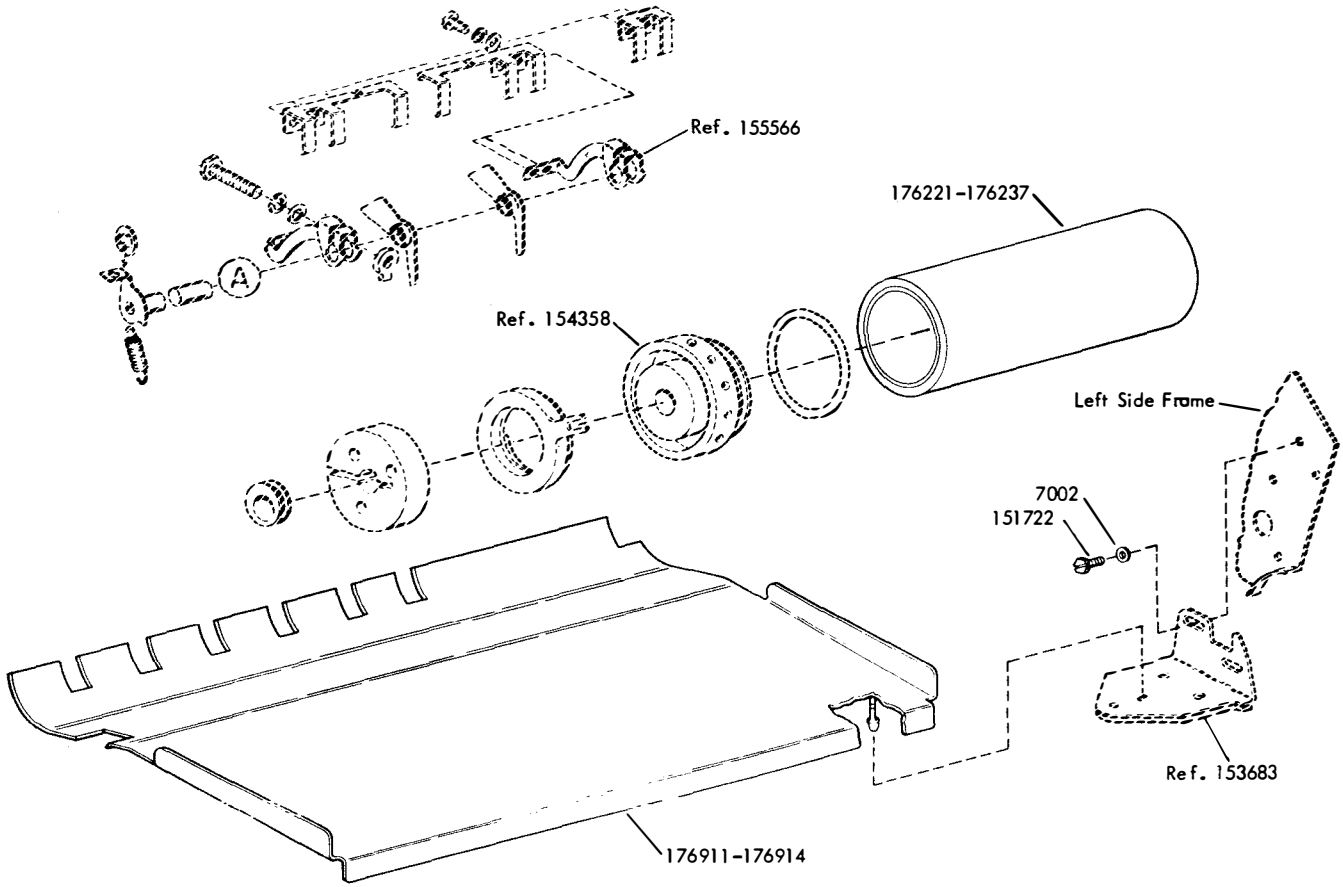
① PAPER WIDTHS	PAPER GUIDE	GUIDE BRACKET	MOD. KIT: PAPER HANDLING PARTS		
			KIT. NO.	PLATEN	FORM GUIDE
9-1/2"	305028	② 153788	310733	176238	305059
9"	304773	153771	176181	176221	153652
8-1/2"	304772	153772	176182	176222	153653
8"	304773	153773	176183	176223	153654
7-1/2"	304772	153774	176184	176224	153655
7"	304773	153775	176185	176225	153656
6-1/2"	304772	153776	176186	176226	153657
6-3/8"	304774	153777	176187	176227	153658
6-1/4"	304775	153778	176188	176228	153659
6"	304773	153779	176189	176229	153660
5-3/4"	304774	153780	176190	176230	153661
5-1/2"	304772	153781	176191	176231	153662
5"	304773	153782	176192	176232	153663
4-1/2"	304772	153783	176193	176233	153664
4-5/16"	304775	153784	176194	176234	153665
4-1/4"	304774	153785	176195	176235	153665
4"	304773	153786	176196	176236	153666
3-5/8"	304772	153787	176197	176237	153667

① The width shown is the overall dimension of the paper, and the distance between Sprocket Pin holes is 1/2" less.

② The 153788 Guide Bracket is not part of the 310733 Modification Kit, and must be ordered separately

③ Peculiar to 310733 Modification Kit

FIGURE 74. SPROCKET FEED PAPER HANDLING MODIFICATION KITS (TYPING UNIT & CABINET)

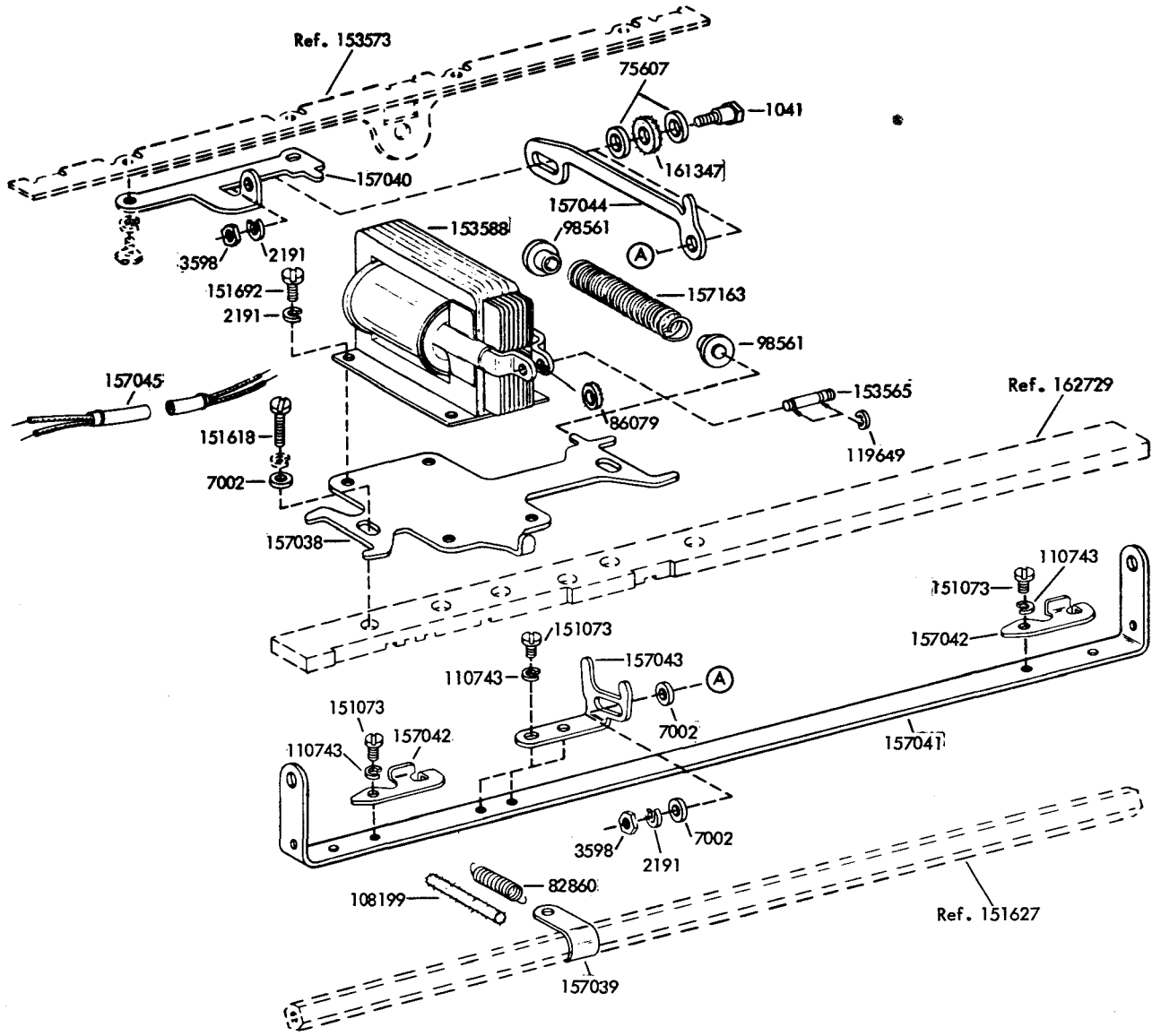


② Paper Widths	Paper Guide	Mod. Kit Paper Handling Parts		
		Kit No.	Platen	Form Guide
9"	176912	178568	175221	178551
8-1/2"	176911	178559	176222	178552
8"	176912	178570	176223	178553
7-1/2"	176911	178571	176224	178554
7"	176912	178572	176225	178555
6-1/2"	176911	178573	176226	178556
6-3/8"	176913	178574	176227	178557
6-1/4"	176914	178575	176228	178558
6"	176912	178576	176229	178559
5-3/4"	176913	178577	175230	178560
5-1/2"	176911	178578	176231	178561
5"	176912	178579	176232	178562
4-1/2"	176911	178580	176233	178563
4-5/16"	176914	178581	176234	178564
4-1/4"	176913	178582	176235	178565
4"	176912	178583	176236	178566
3-5/8"	176911	178584	176237	178567

② The width shown is the overall dimension of the paper, and the distance between Sprocket Pin holes is 1/2" less.

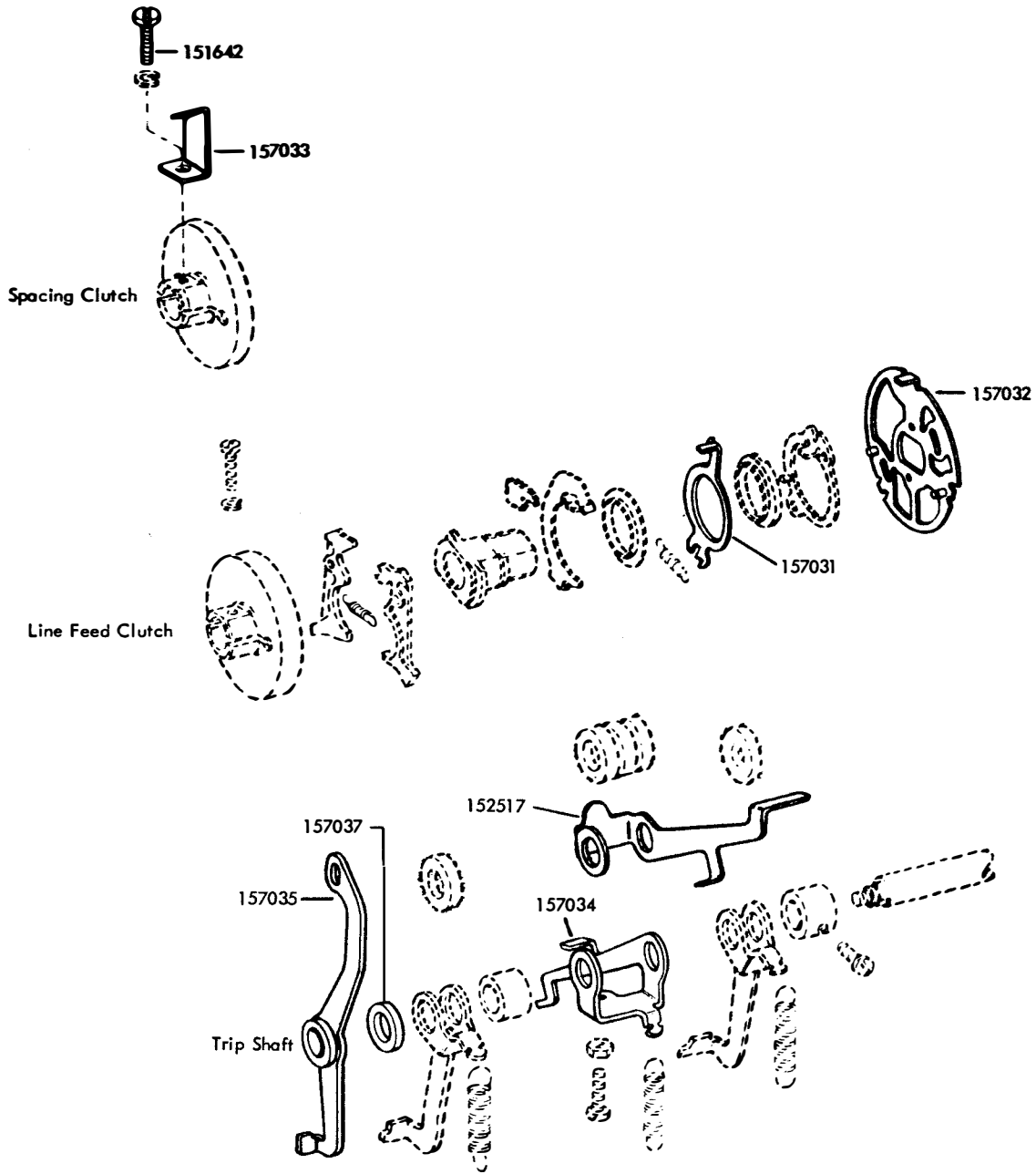
Specification 5792S

FIGURE 75. SPROCKET FEED PAPER HANDLING MODIFICATION KITS (WALL MOUNTED TYPING UNIT AND CABINET)



Specification 5775

FIGURE 76. 153911 MODIFICATION KIT TO PROVIDE CONTINUOUS SPACING



Specification 5775

FIGURE 77. 153911 MODIFICATION KIT TO PROVIDE CONTINUOUS SPACING
(CONTINUED FROM PRECEDING PAGE)

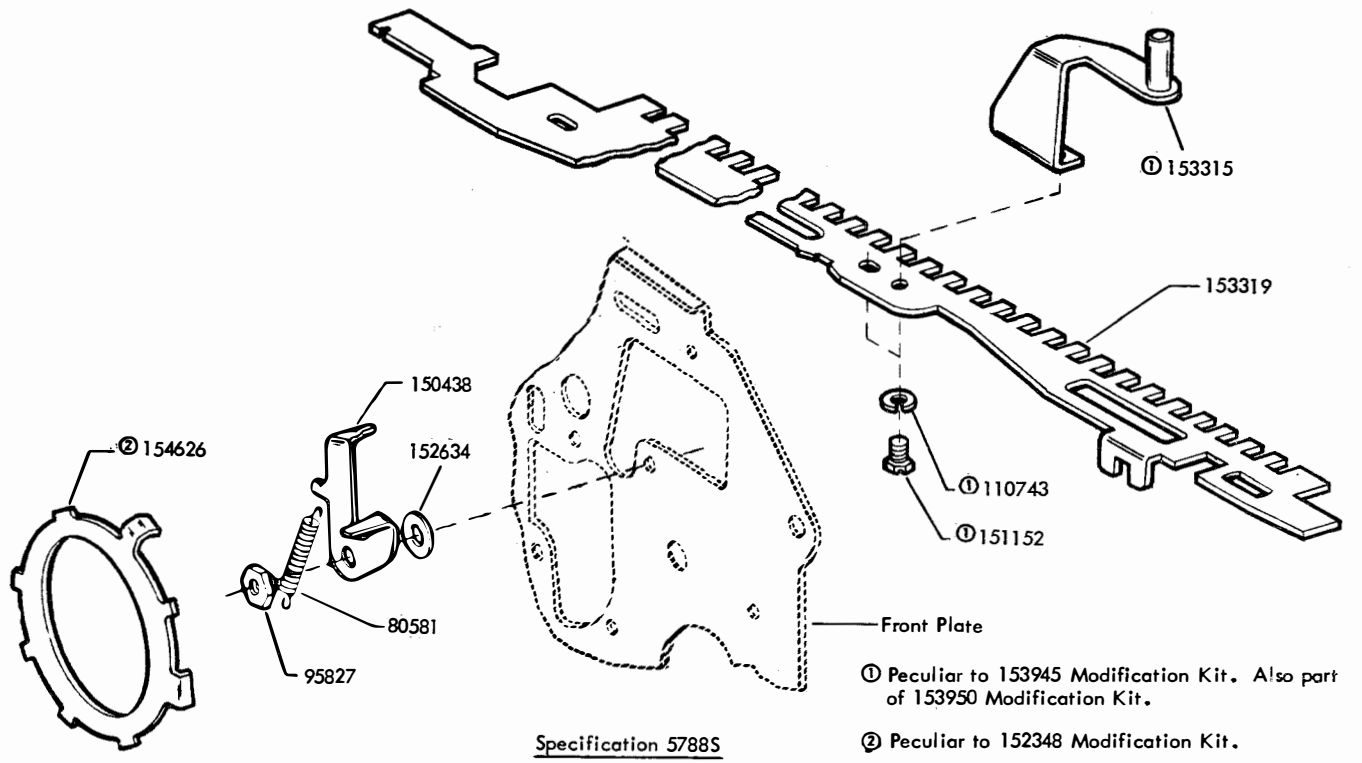


FIGURE 78. 152348 AUTOMATIC CARRIAGE RETURN AND LINE FEED AND 153945 "O" CODEBAR AND BELLCRANK MODIFICATION KITS

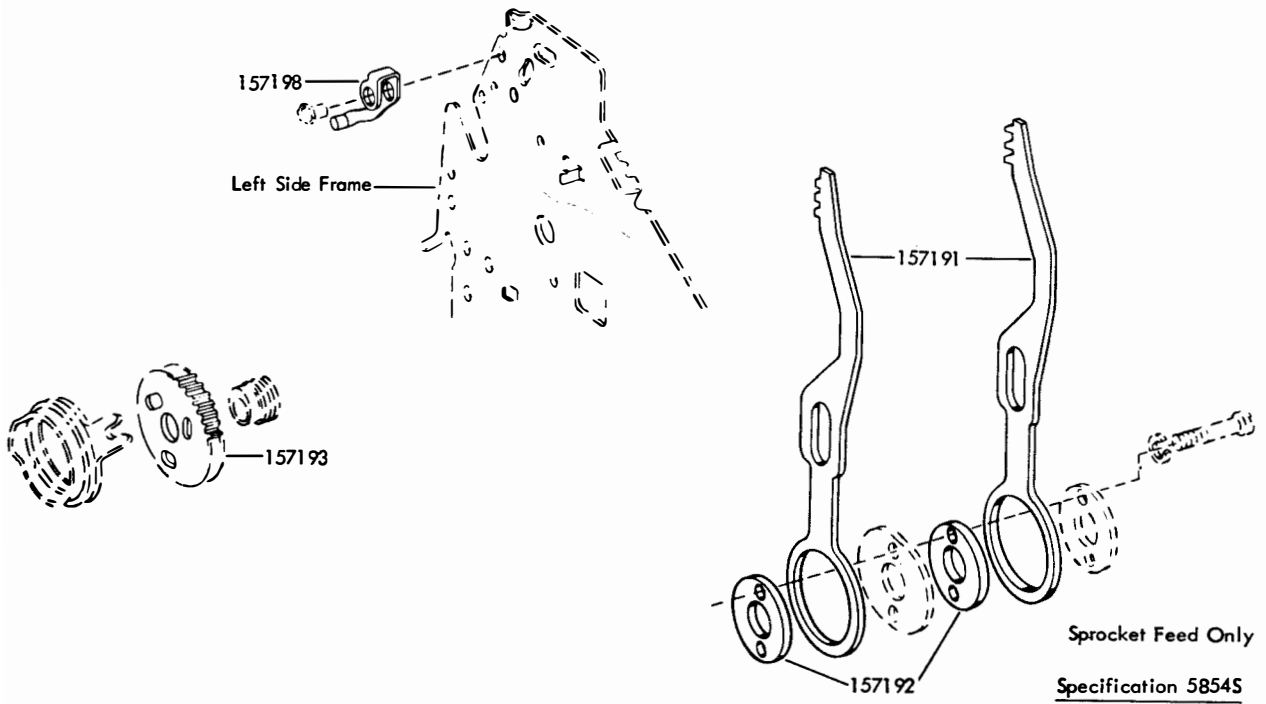


FIGURE 79. 154742 MODIFICATION KIT TO PROVIDE FOUR LINES PER INCH

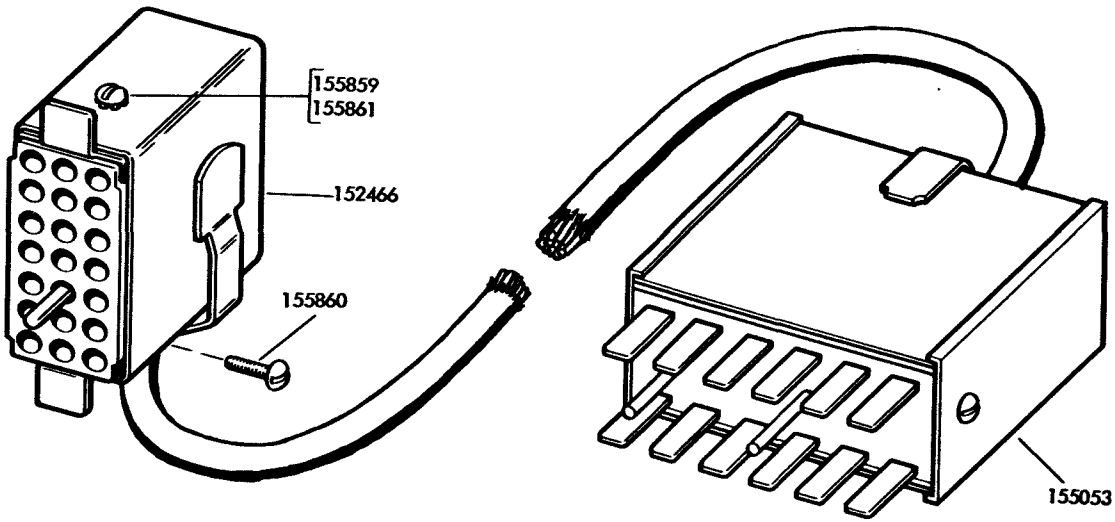


FIGURE 80. 155051 AUXILIARY CABLE ASSEMBLY

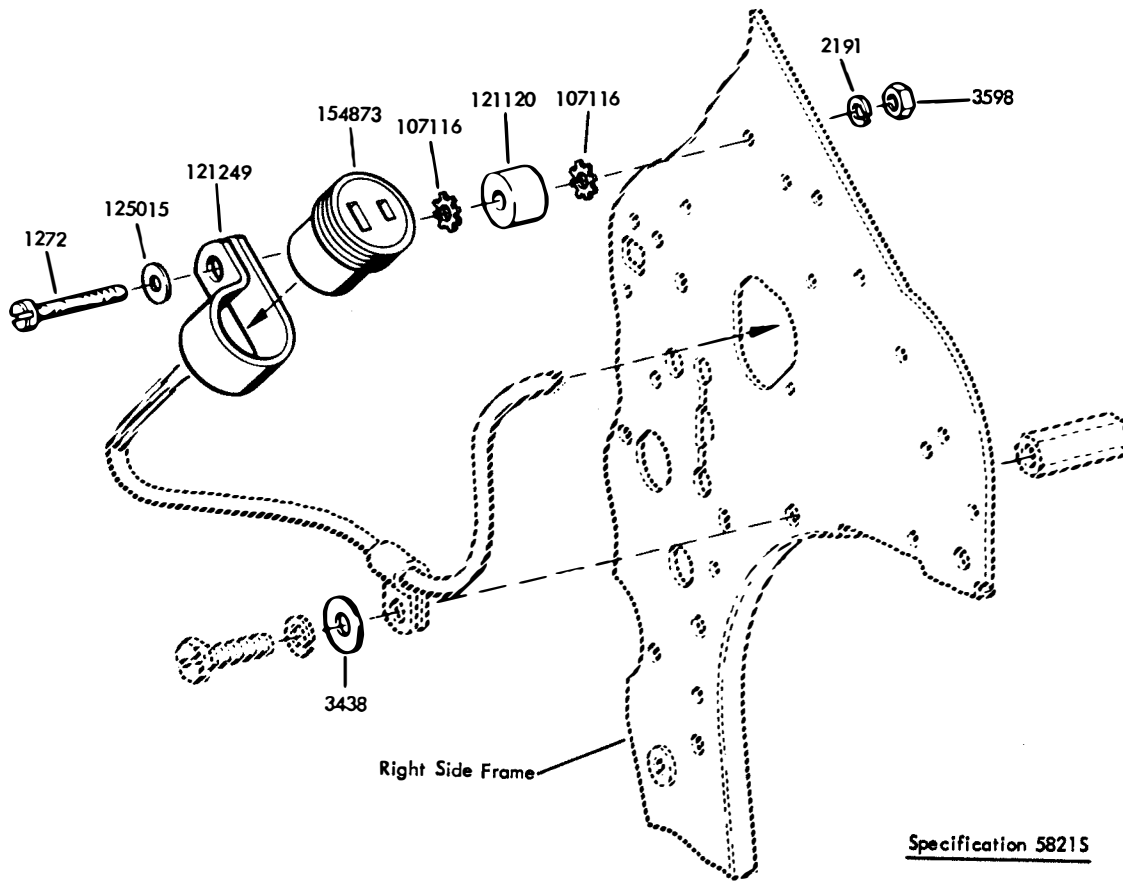


FIGURE 81. 154753 MODIFICATION KIT TO PROVIDE AUXILIARY CONNECTOR

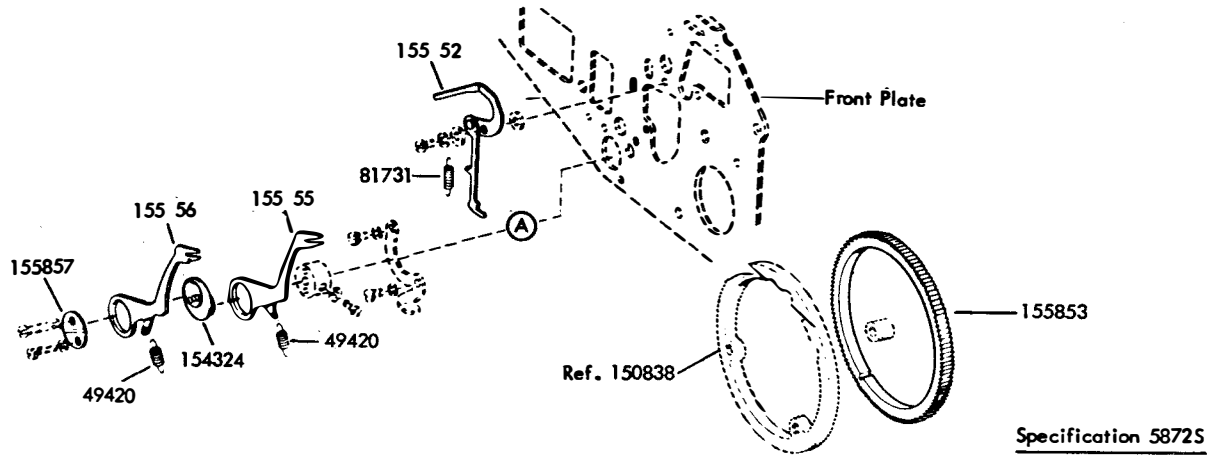


FIGURE 82. 154755 MODIFICATION KIT TO PROVIDE 5 SPACES PER INCH HORIZONTALLY

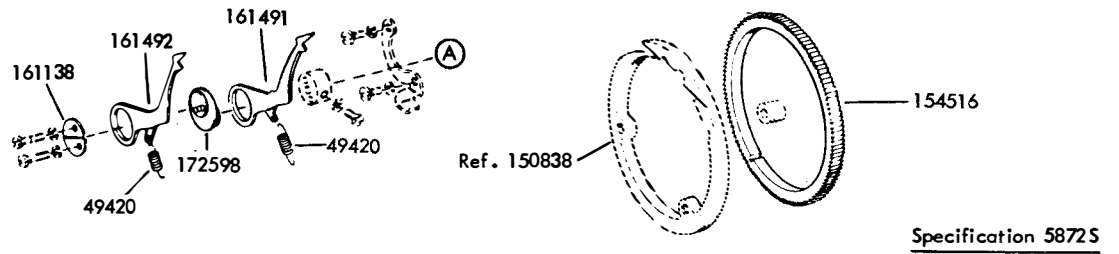


FIGURE 83. 159395 MODIFICATION KIT TO PROVIDE 6 SPACES PER INCH HORIZONTALLY

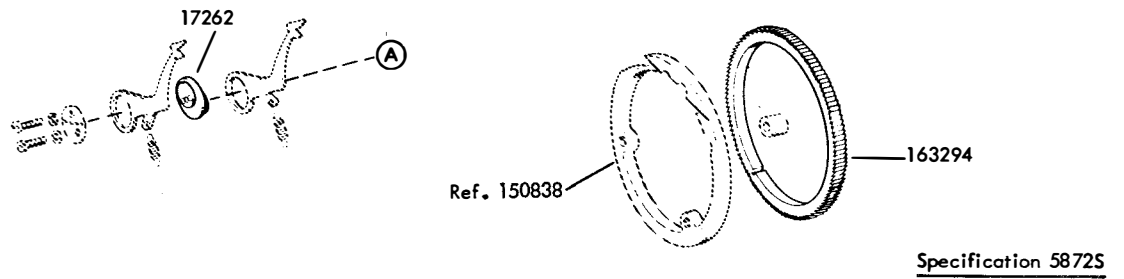


FIGURE 84. 163292 MODIFICATION KIT TO PROVIDE 8 SPACES PER INCH HORIZONTALLY

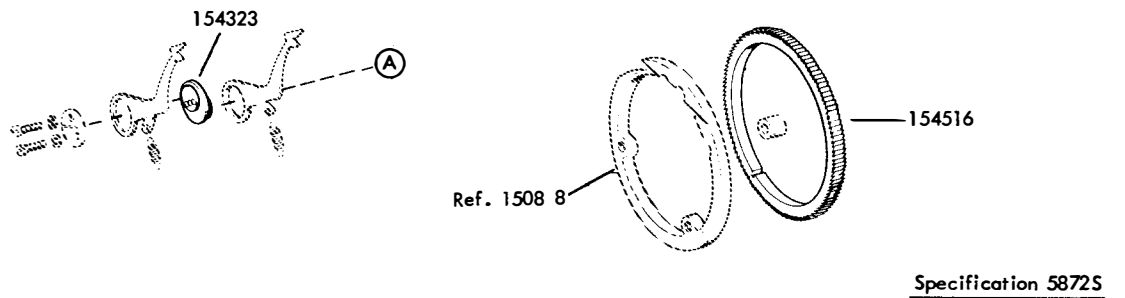
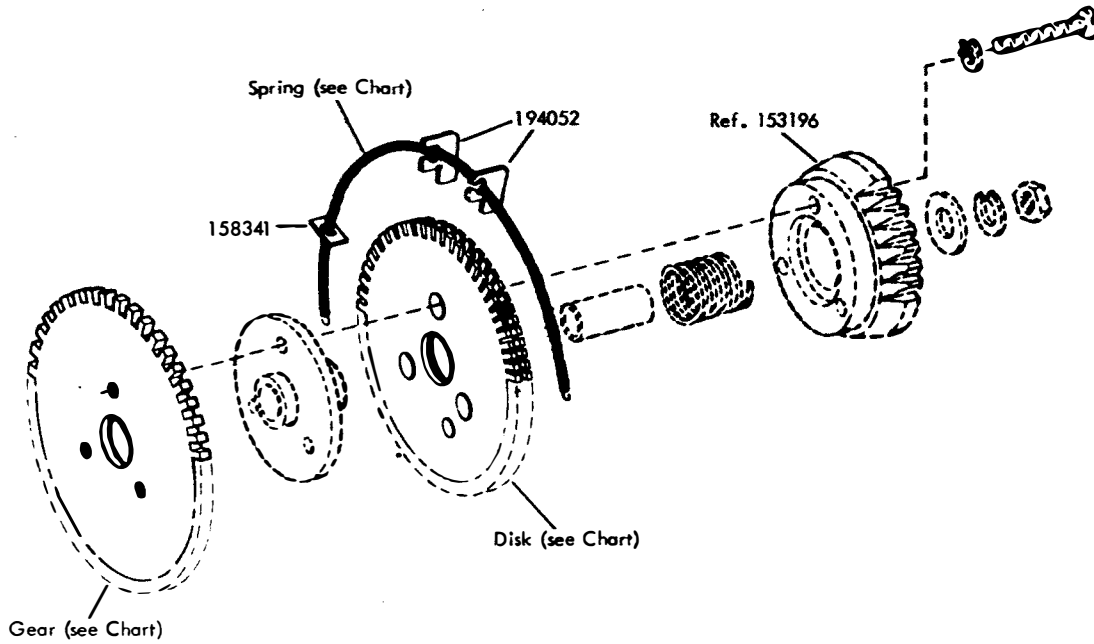


FIGURE 85. 154792 MODIFICATION KIT TO PROVIDE 12 SPACES PER INCH HORIZONTALLY



FORM LENGTH IN INCHES	MOD KIT	GEAR NO.	DISK NO.	SPRING NO.	NO. OF STOPS
8, 4, 2	154760	153198	160505	160527	47
8-1/2	154761	153199	160506	160528	10
9, 4-1/2	154762	153200	160507	160529	10
9-1/2	154763	153201	160508	160530	11
10, 5	154764	153202	160509	160531	12
11, 5-1/2	154765	153203	160510	160532	14
12, 6, 3	154766	153204	160511	160533	15
13, 6-1/2	154767	153205	160512	160534	16
14, 7, 3-1/2	154768	153206	160513	160535	17
15, 7-1/2	154769	153207	160514	160536	18
14-2/3, 7-1/3, 3-2/3	192706	161250	192704	160536	16
13, 6-1/2, 3-1/4	①197849	197732	197734	160534	14
4-1/4	①197850	197731	197733	160528	10
14, 7, 3-1/2	305079	305071	305075	160536	16

Specification 500045

①The 197849 and 197850 Modification Kits can only be used with the 154742 Modification Kit (4 lines per inch). The 197849 and 197850 Modification Kits also include the 197735, 197736, 197737 and 197840 Spur Gears shown in their respective positions in Fig. 55.

FIGURE 86. VERTICAL TABULATION MODIFICATION KITS

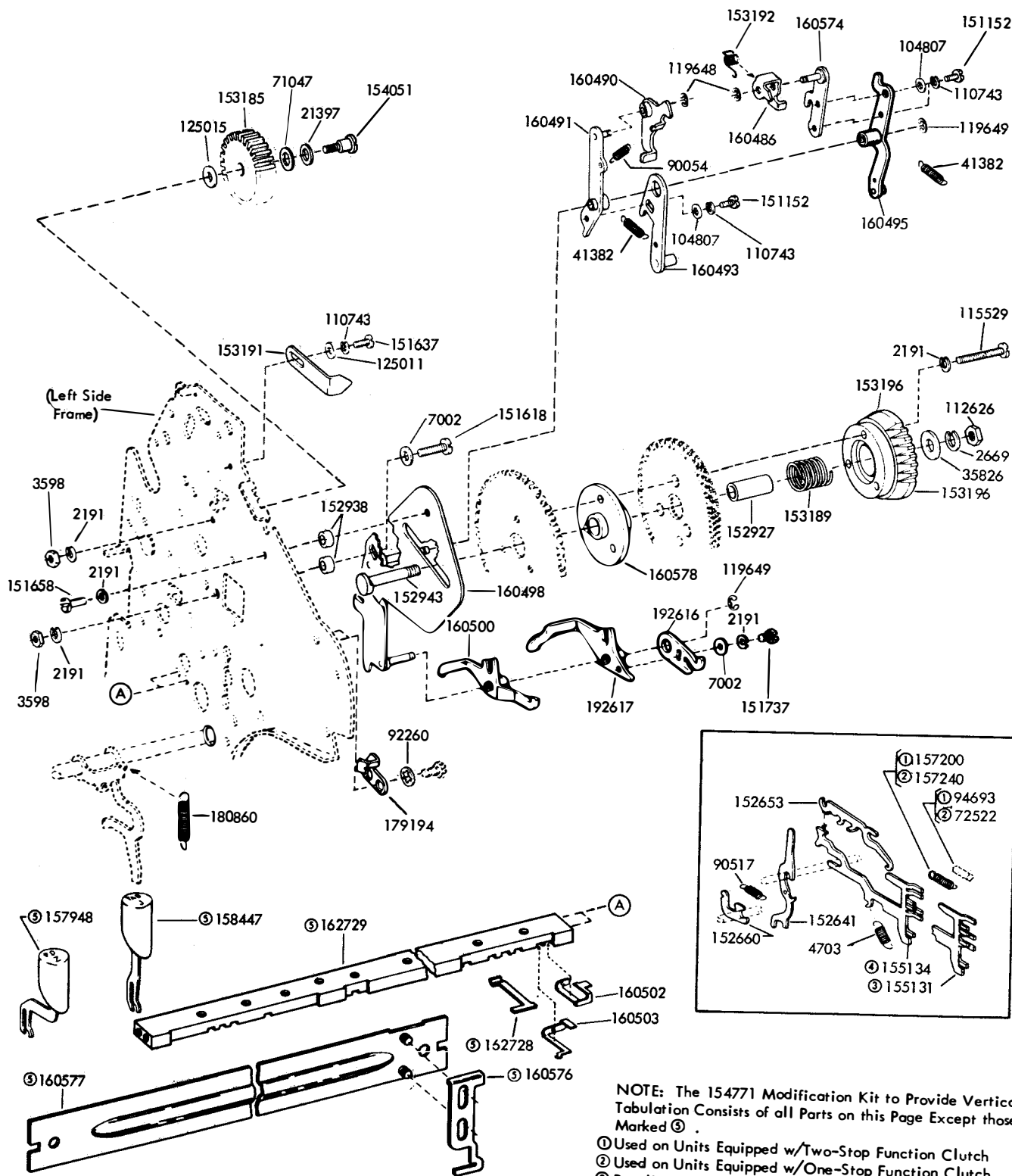


FIGURE 87. 154770 MODIFICATION KIT TO PROVIDE VERTICAL TABULATION ON UPPER CASE "J" AND "Z" (INCLUDES THE 163535 MODIFICATION KIT IN FIG. 95)

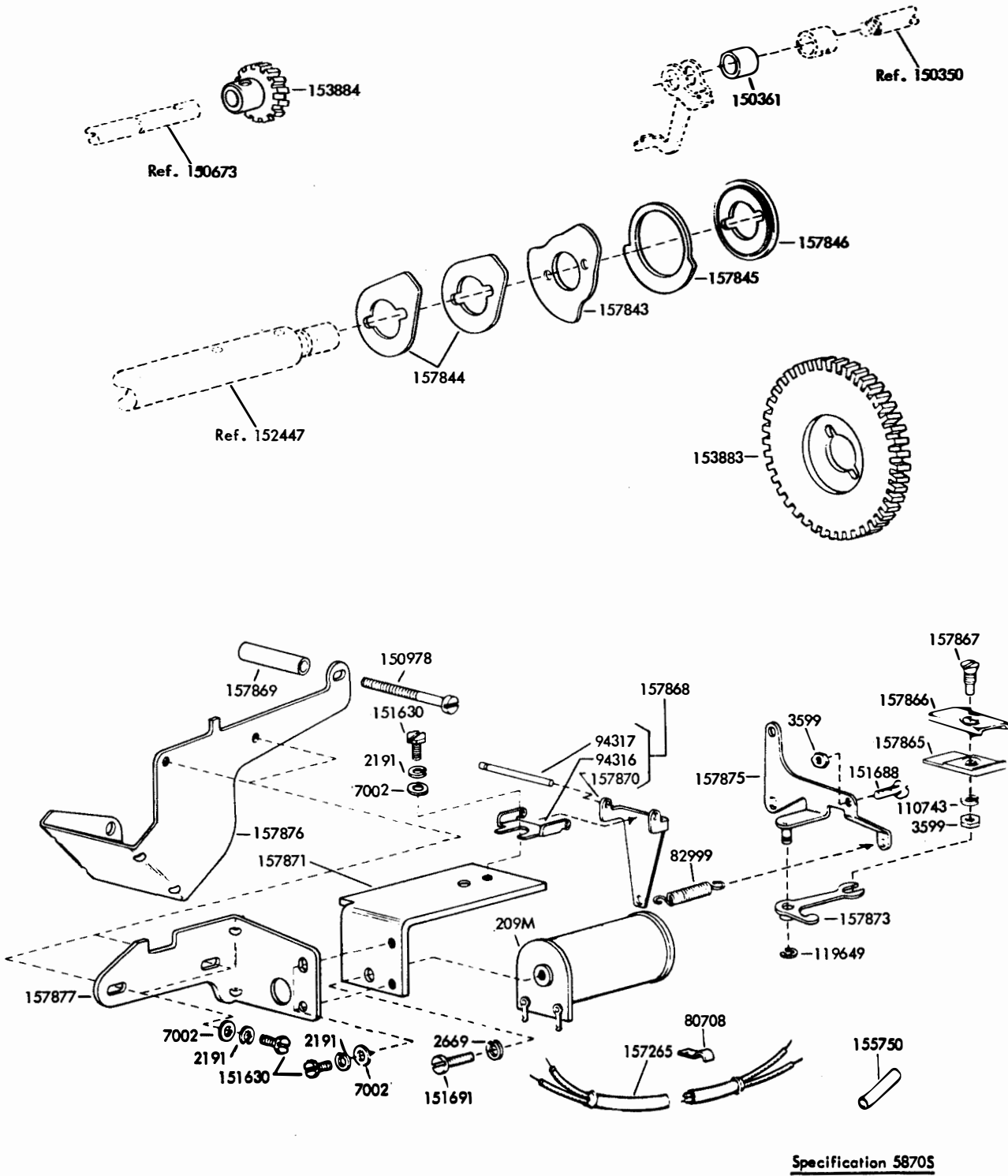
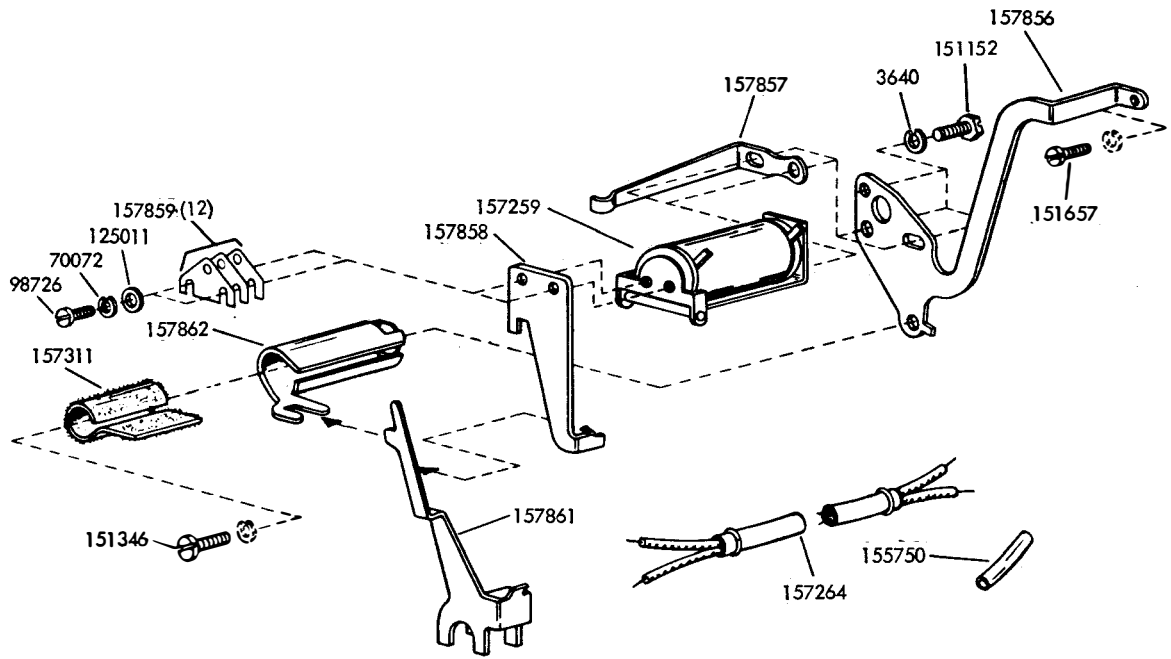
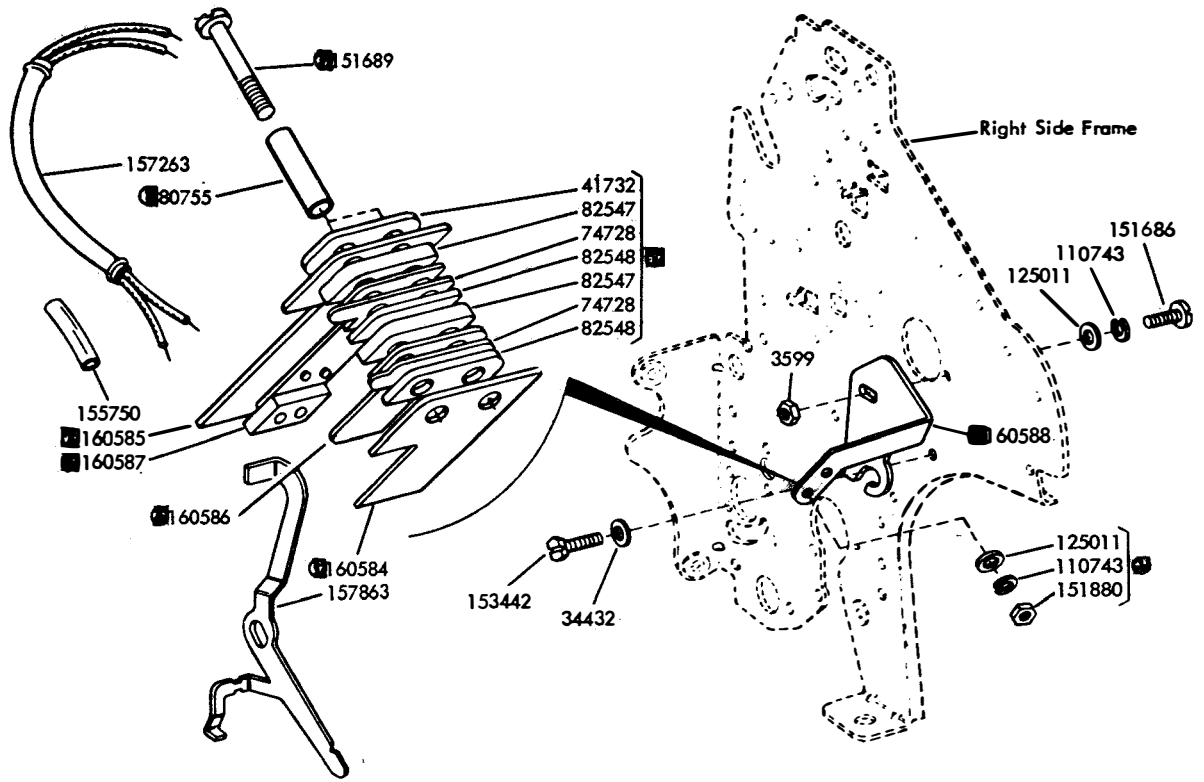


FIGURE 88. 154778 MODIFICATION KIT TO PROVIDE EXTERNAL PULSE SHIFT FEATURE
(CONTINUED ON NEXT PAGE)



Specification 58705

Ⓢ Part of 160589 Contact Assembly

FIGURE 89. 154778 MODIFICATION KIT TO PROVIDE EXTERNAL PULSE SHIFT FEATURE (CONTINUED FROM PRECEDING PAGE)

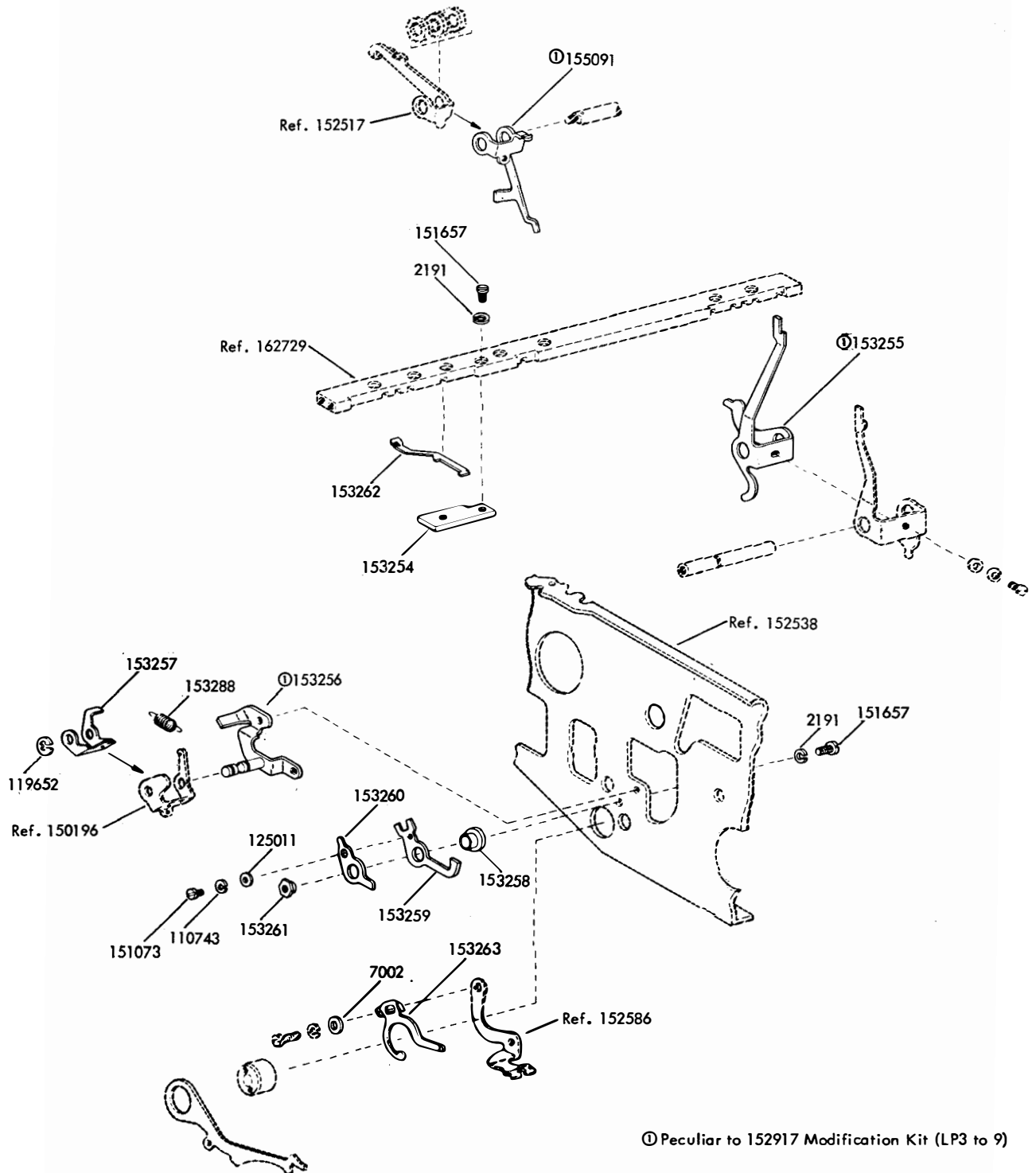
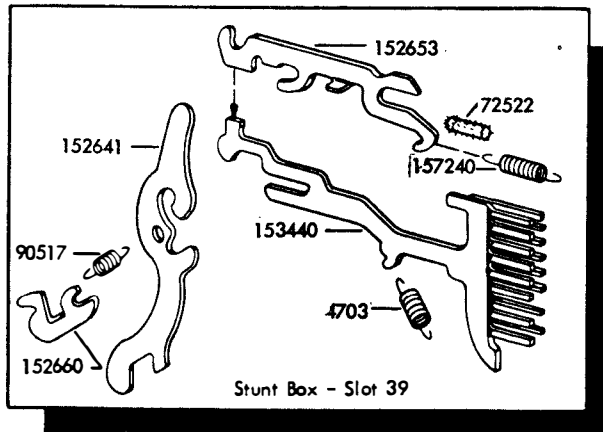
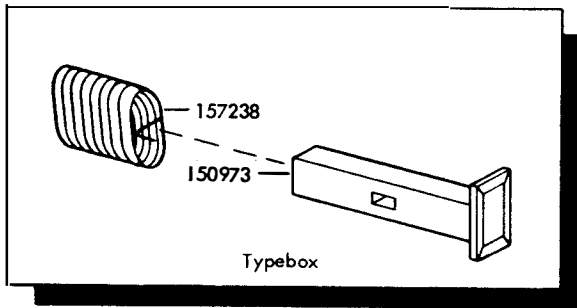
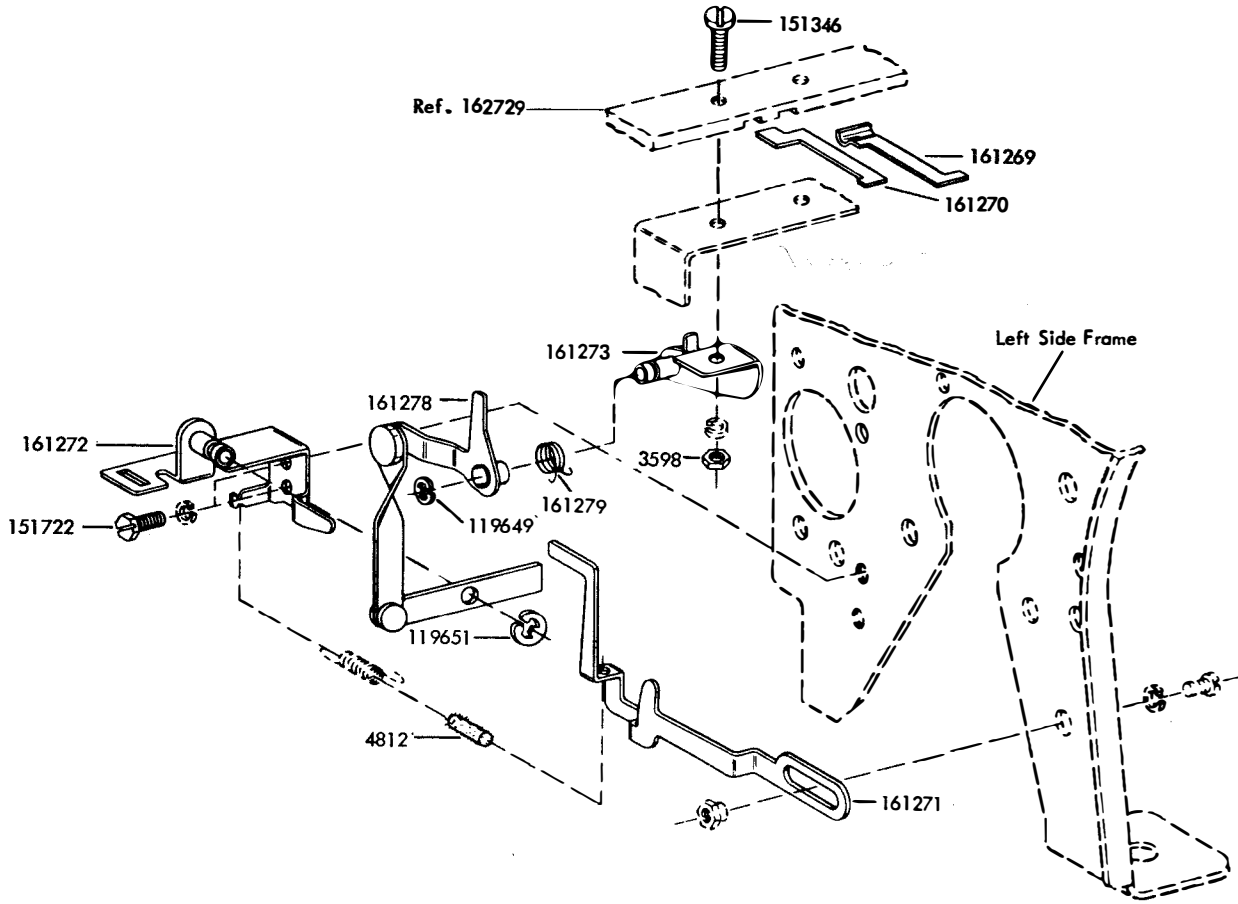


FIGURE 91. 152917 AND 157510 MODIFICATION KITS TO PROVIDE LOCAL BACK SPACE



Specification 58985

FIGURE 92. 161280 MODIFICATION KIT TO PROVIDE ON-LINE REVERSE LINE FEED

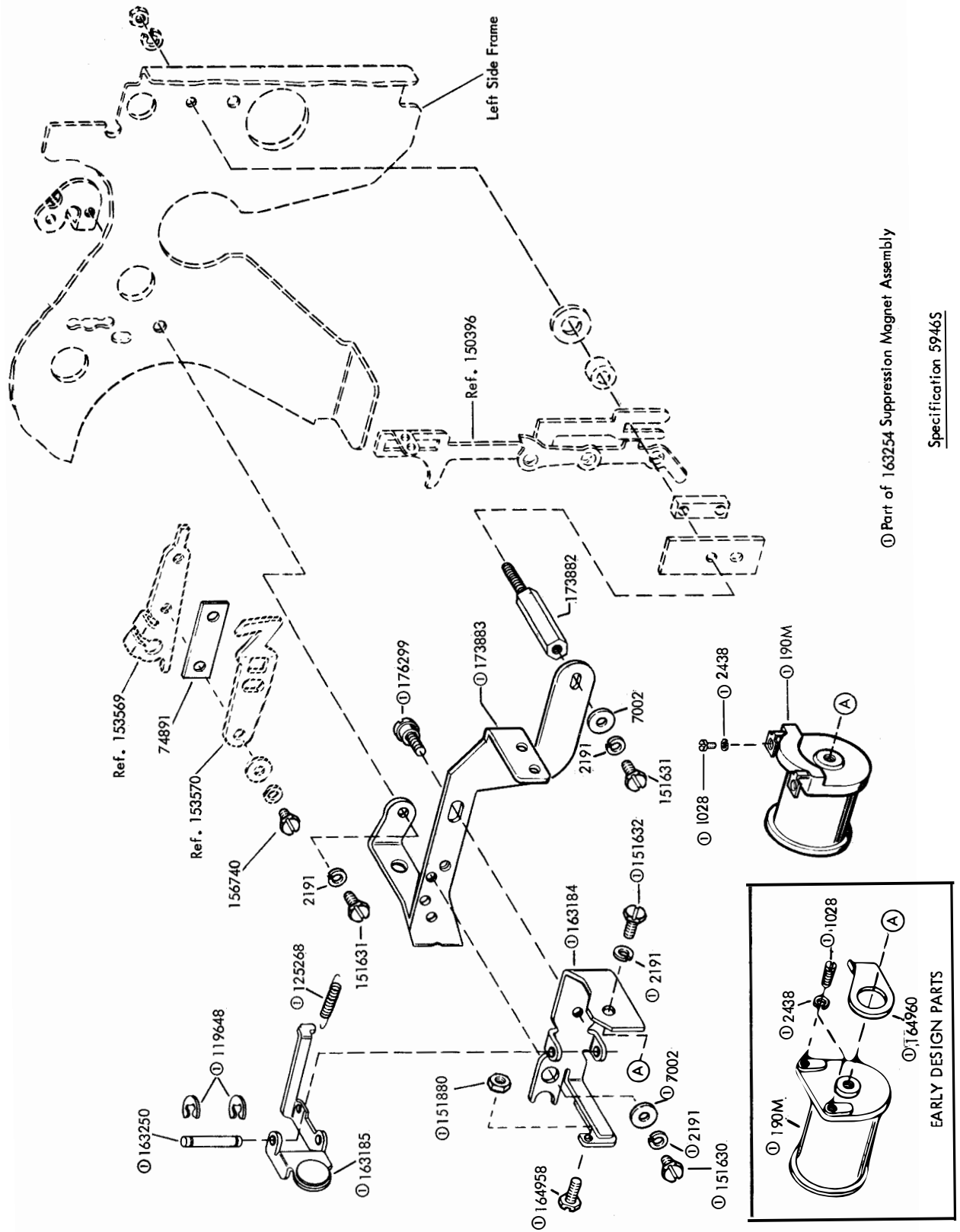


FIGURE 93. 163183 MODIFICATION KIT TO PROVIDE D.C. MAGNET OPERATED PRINT SUPPRESSION

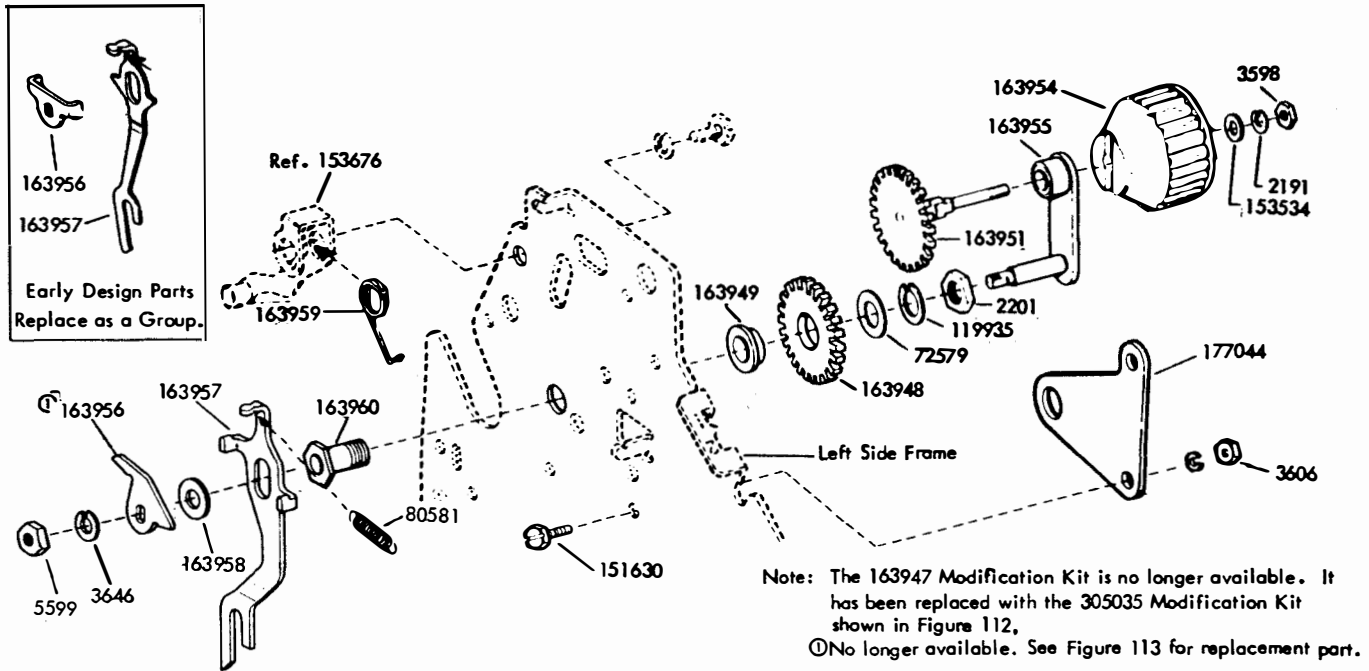


FIGURE 94. 163947 MODIFICATION KIT TO PROVIDE IMPROVED MANUAL PLATEN LINE FEED

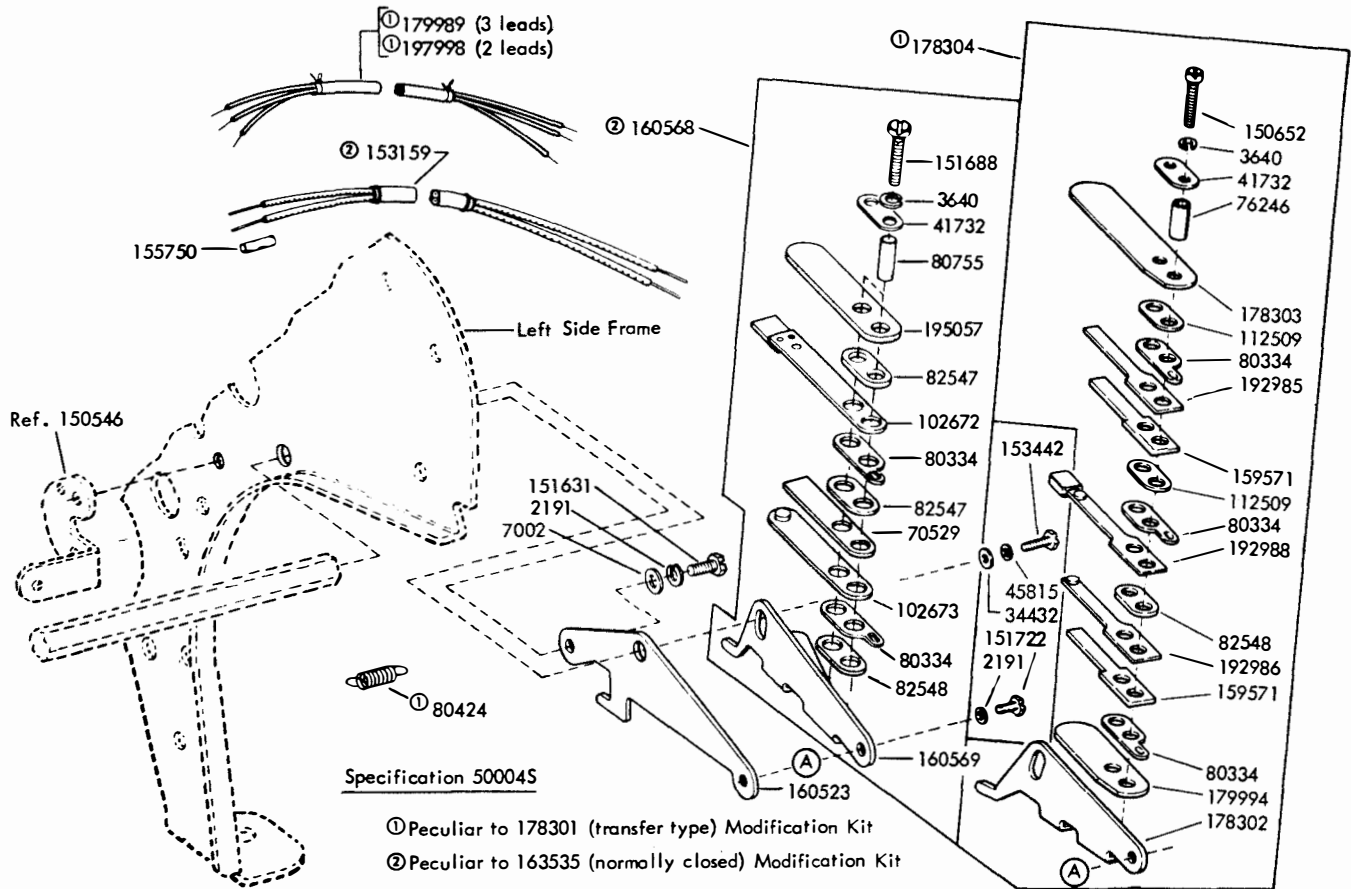
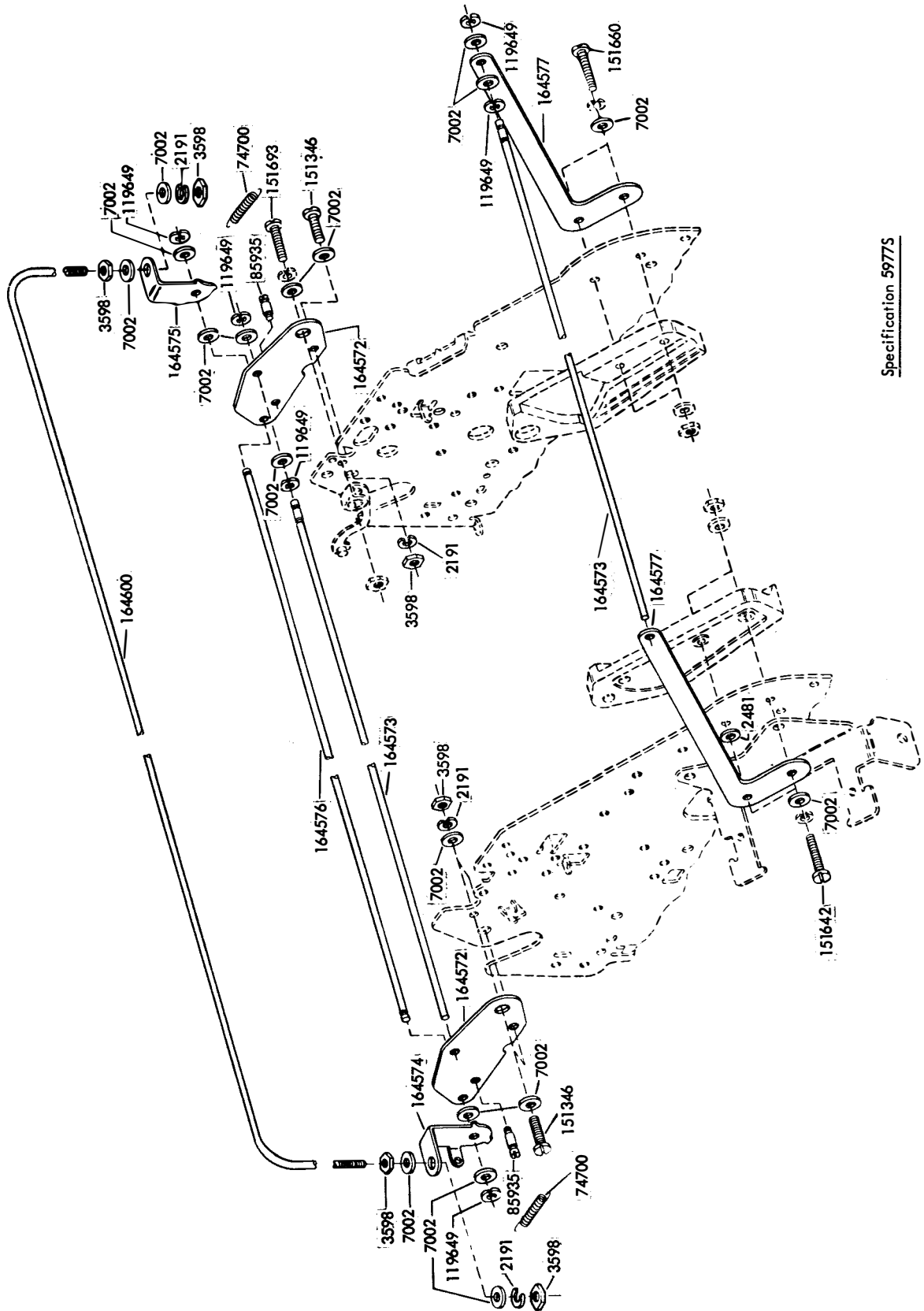


FIGURE 95. 163535 AND 178301 MODIFICATION KITS TO PROVIDE TRANSMITTER CONTROL FOR THE VERTICAL TABULATOR



Specification 5977S

FIGURE 96. 164270 MODIFICATION KIT TO PROVIDE COPY DISPLAY

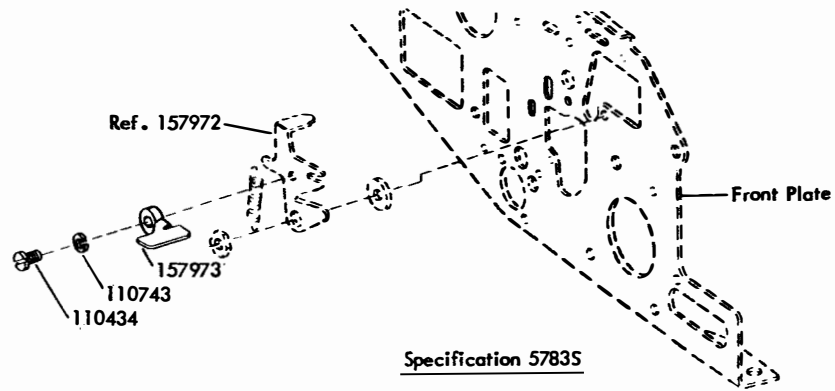


FIGURE 97. 157514 MODIFICATION KIT TO PROVIDE AUTOMATIC CARRIAGE RETURN AND LINE FEED

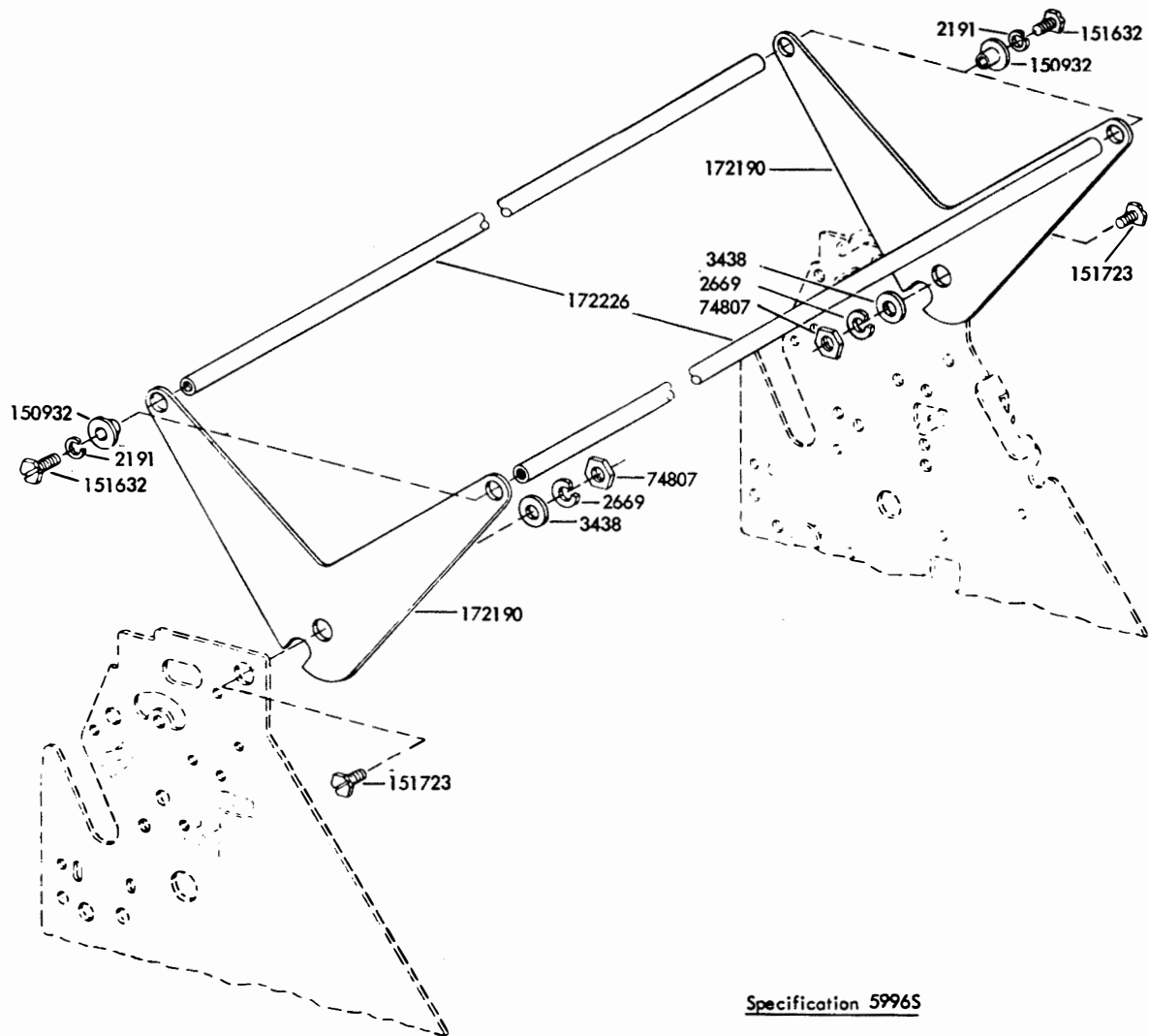
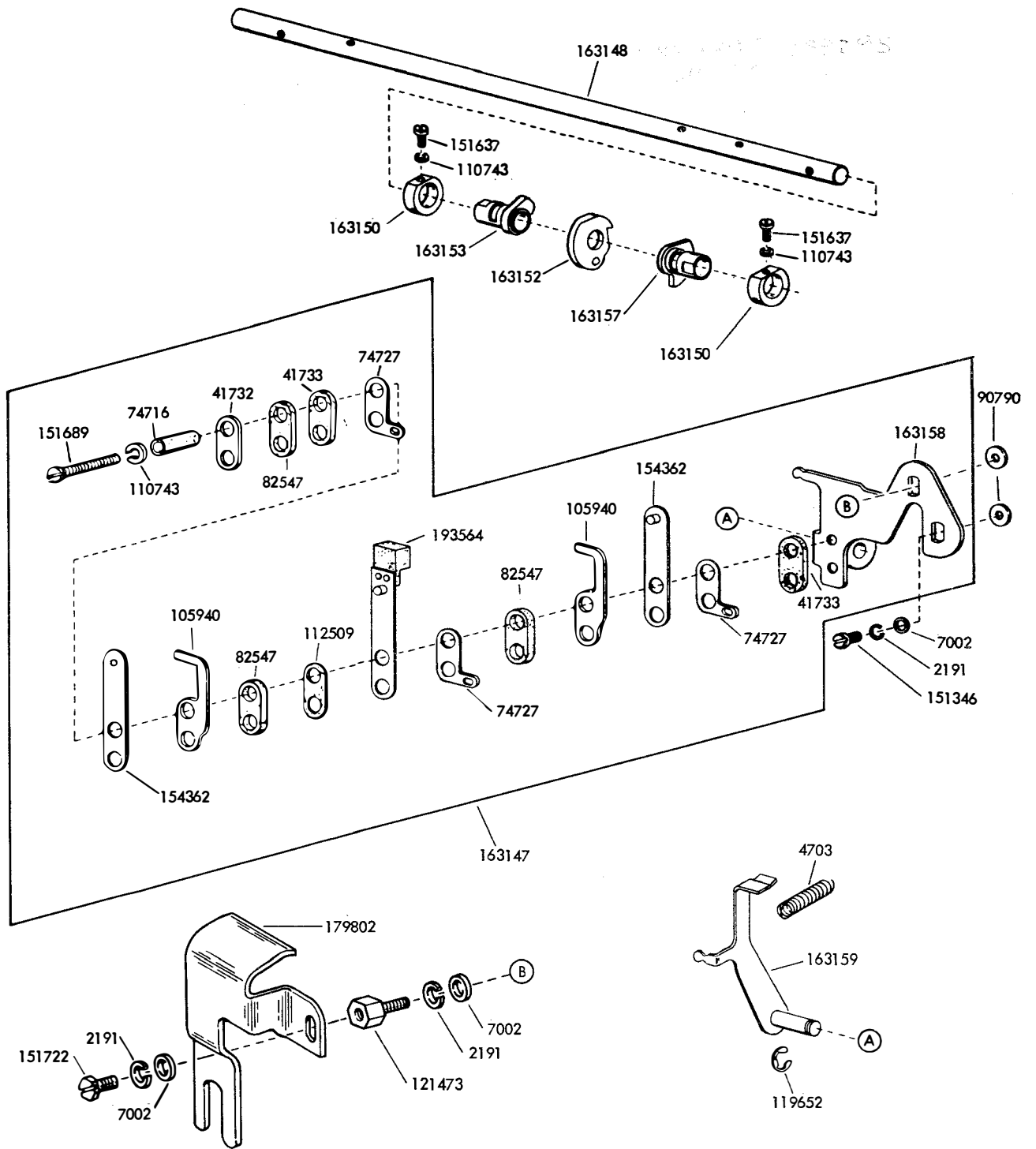
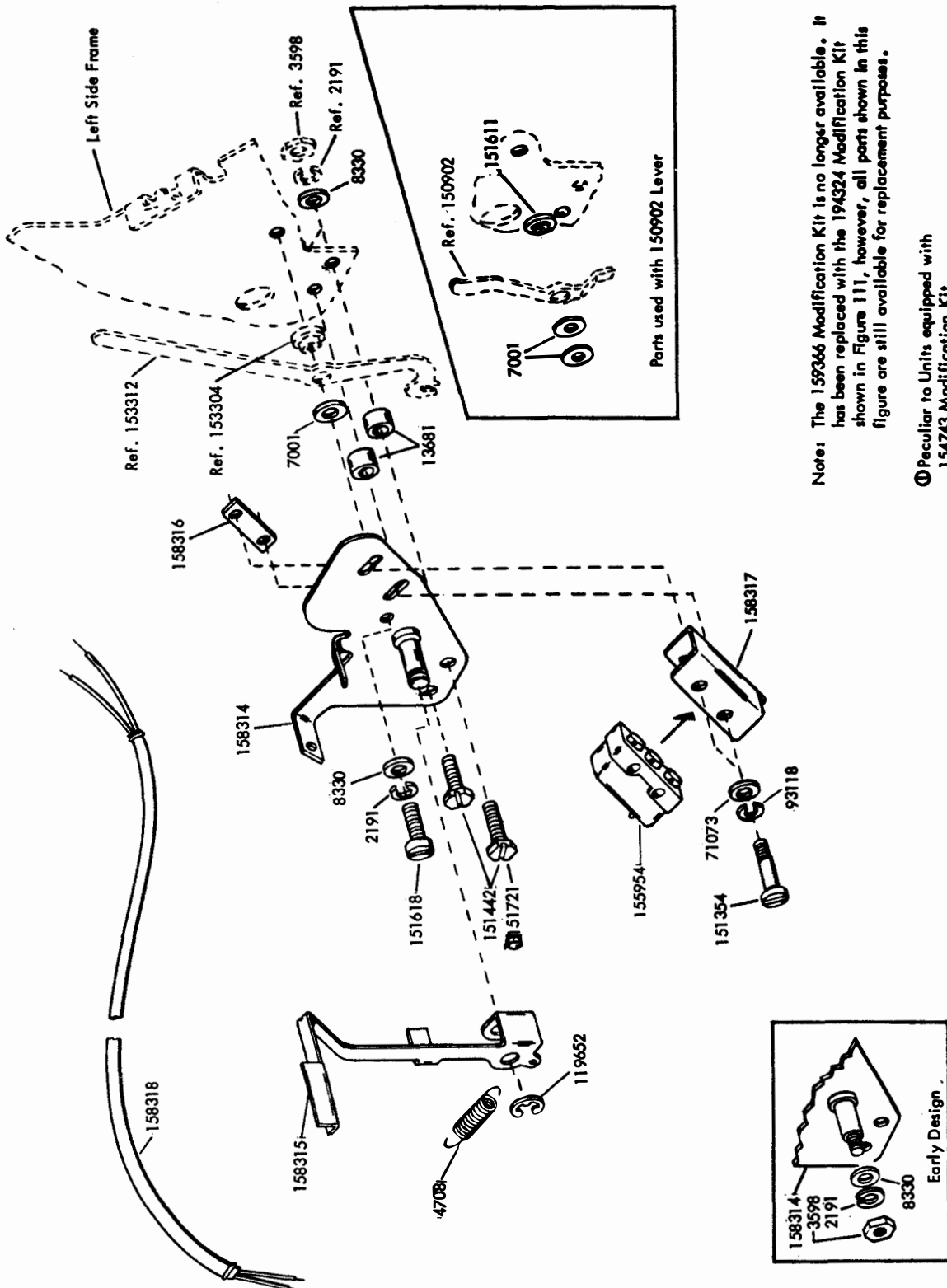


FIGURE 98. 172181 MODIFICATION KIT TO PROVIDE COPY DISPLAY



Specification 58045

FIGURE 99. 163146 MODIFICATION KIT TO PROVIDE UNIVERSAL CONTACT

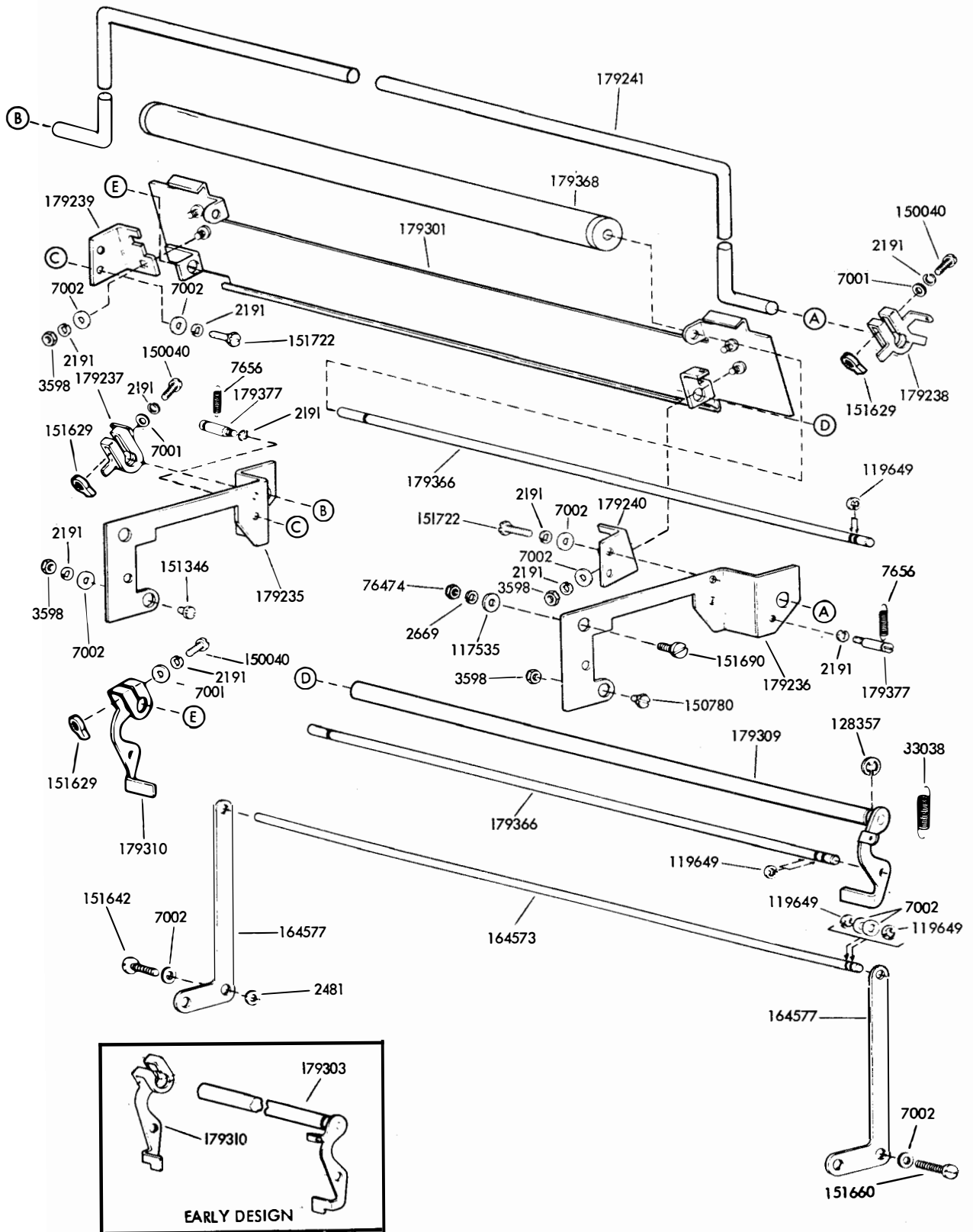


Note: The 159366 Modification Kit is no longer available. It has been replaced with the 194324 Modification Kit shown in Figure 111, however, all parts shown in this figure are still available for replacement purposes.

ⓐ Peculiar to Units equipped with 154743 Modification Kit

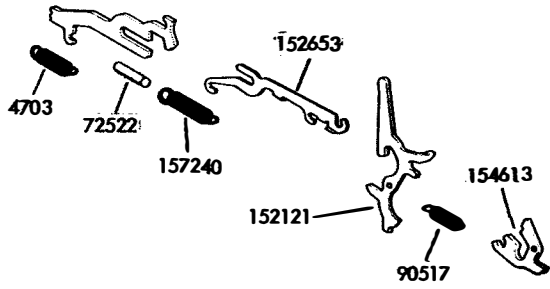
Specification 58865

FIGURE 100. 159366 MODIFICATION KIT TO PROVIDE A FRICTION FEED PRINTER WITH PAPER-OUT ALARM

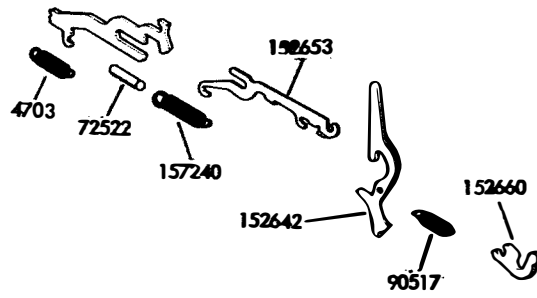


Specification 500925

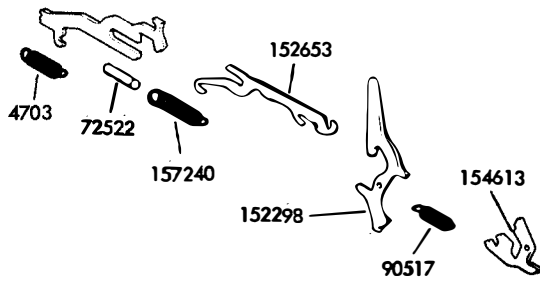
FIGURE 101. 179369 MODIFICATION KIT TO PROVIDE COPY DISPLAY



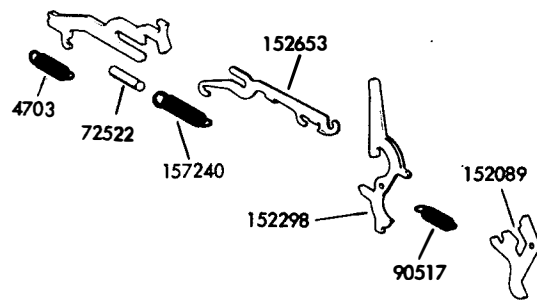
153915 (sequential)



153916 (without latching)

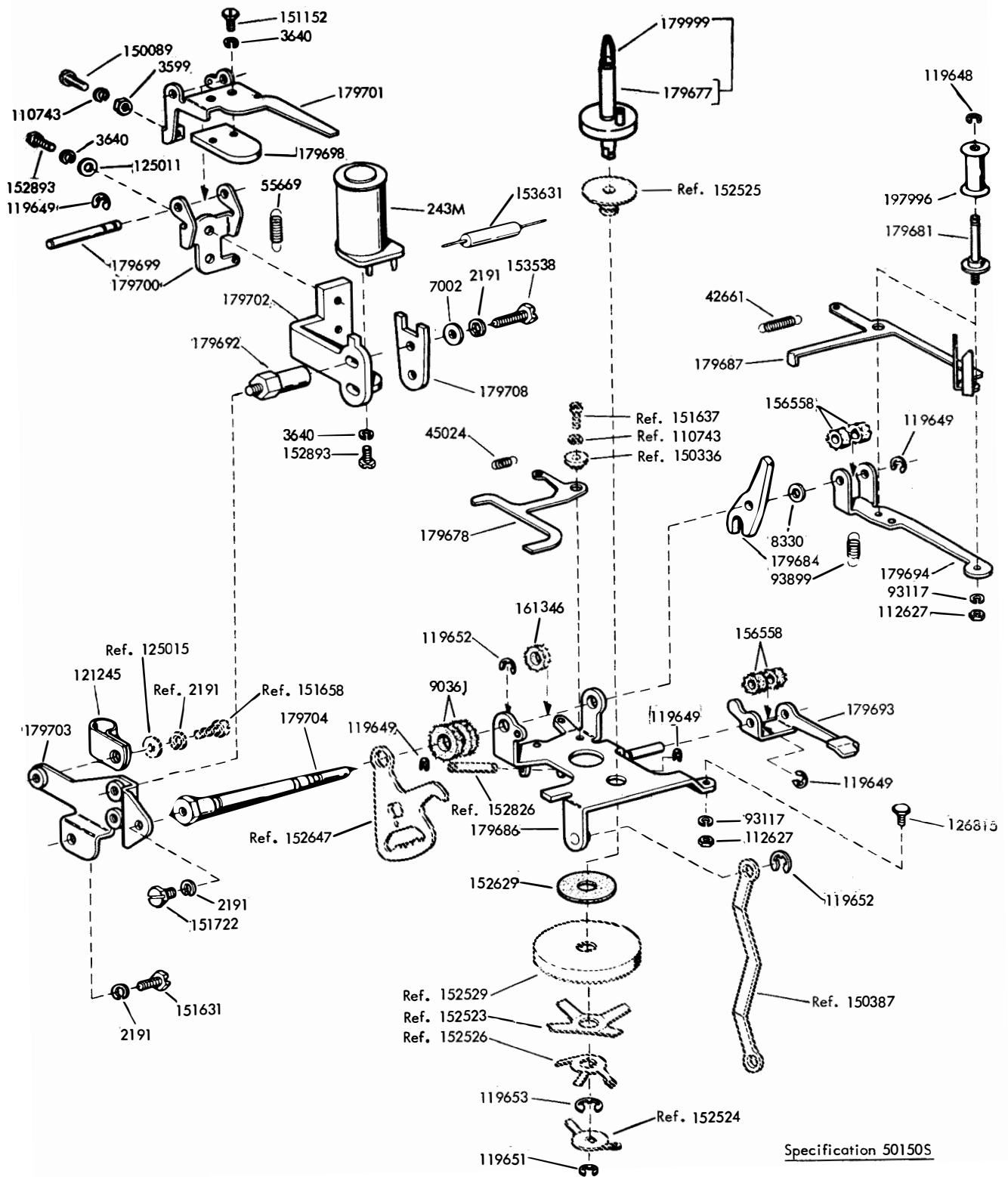


153917 (latching by stripper bail latch)



153918 (latching with release latch)

FIGURE 102. SELECTIVE CALLING FUNCTION LEVER MODIFICATION KITS



Specification 501505

FIGURE 103. 179724, 343755 AND 344974 MODIFICATION KITS TO PROVIDE TWO COLOR RIBBON PRINTING

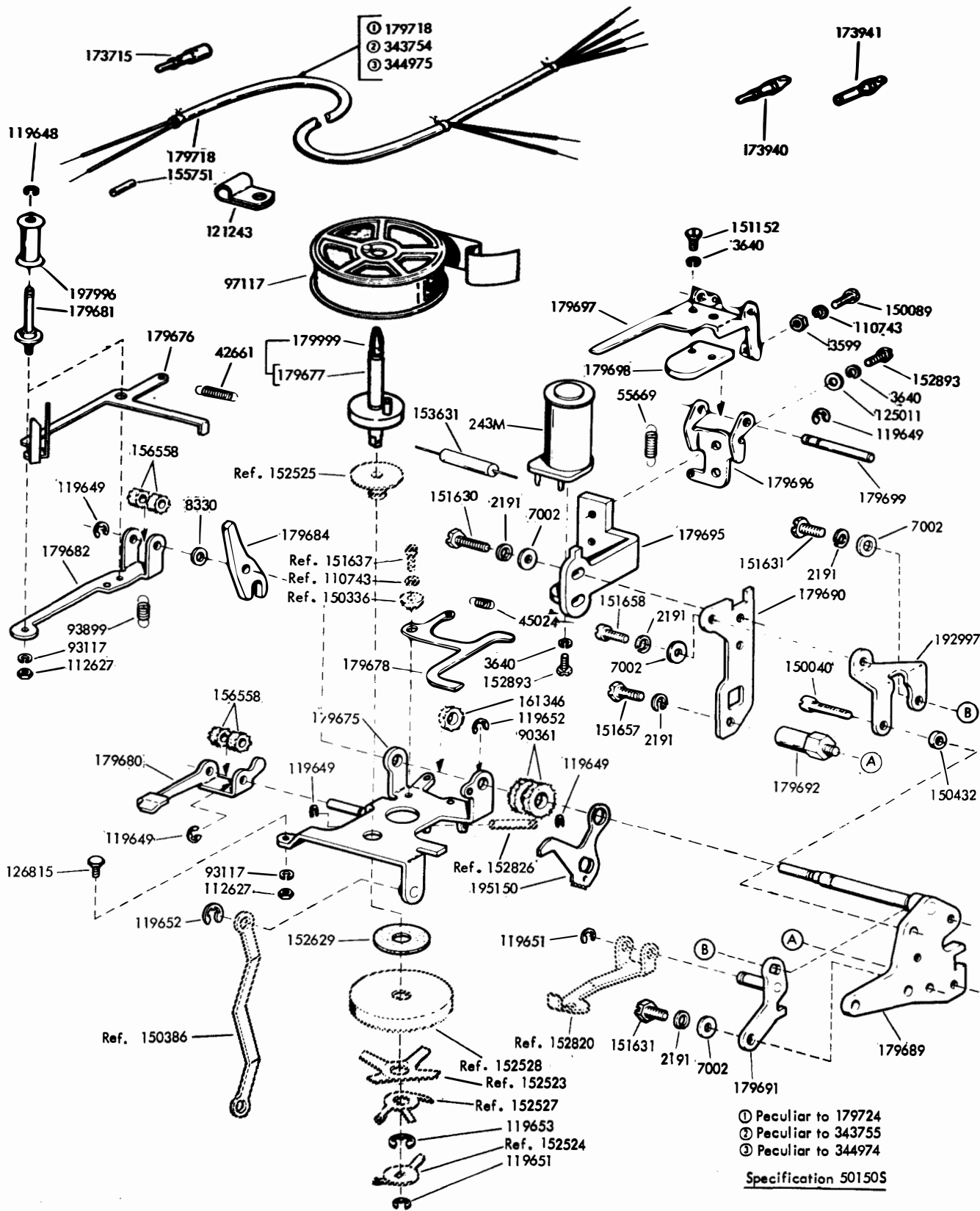
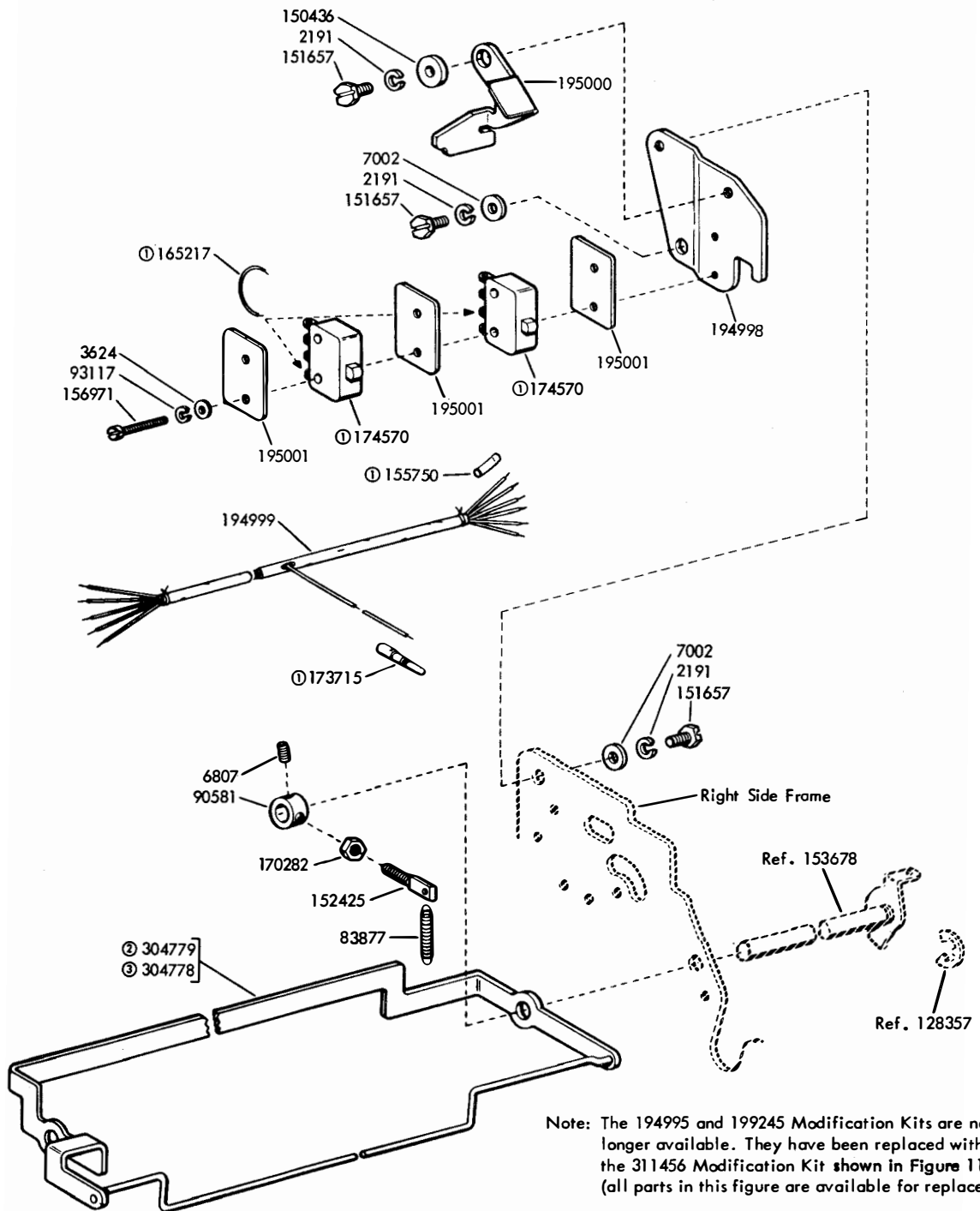


FIGURE 104. 179724, 343755 AND 344974 MODIFICATION KITS TO PROVIDE TWO COLOR RIBBON PRINTING - LEFT SIDE (Continued)



- ① Part of 194999 Cable Assembly
- ② Peculiar to 194995 Modification Kit (8-1/2" wide paper)
- ③ Peculiar to 199245 Modification Kit (6-1/4" wide paper)

Specification 501355

FIGURE 105. 194995 AND 199245 MODIFICATION KITS TO PROVIDE PAPER JAM ALARM

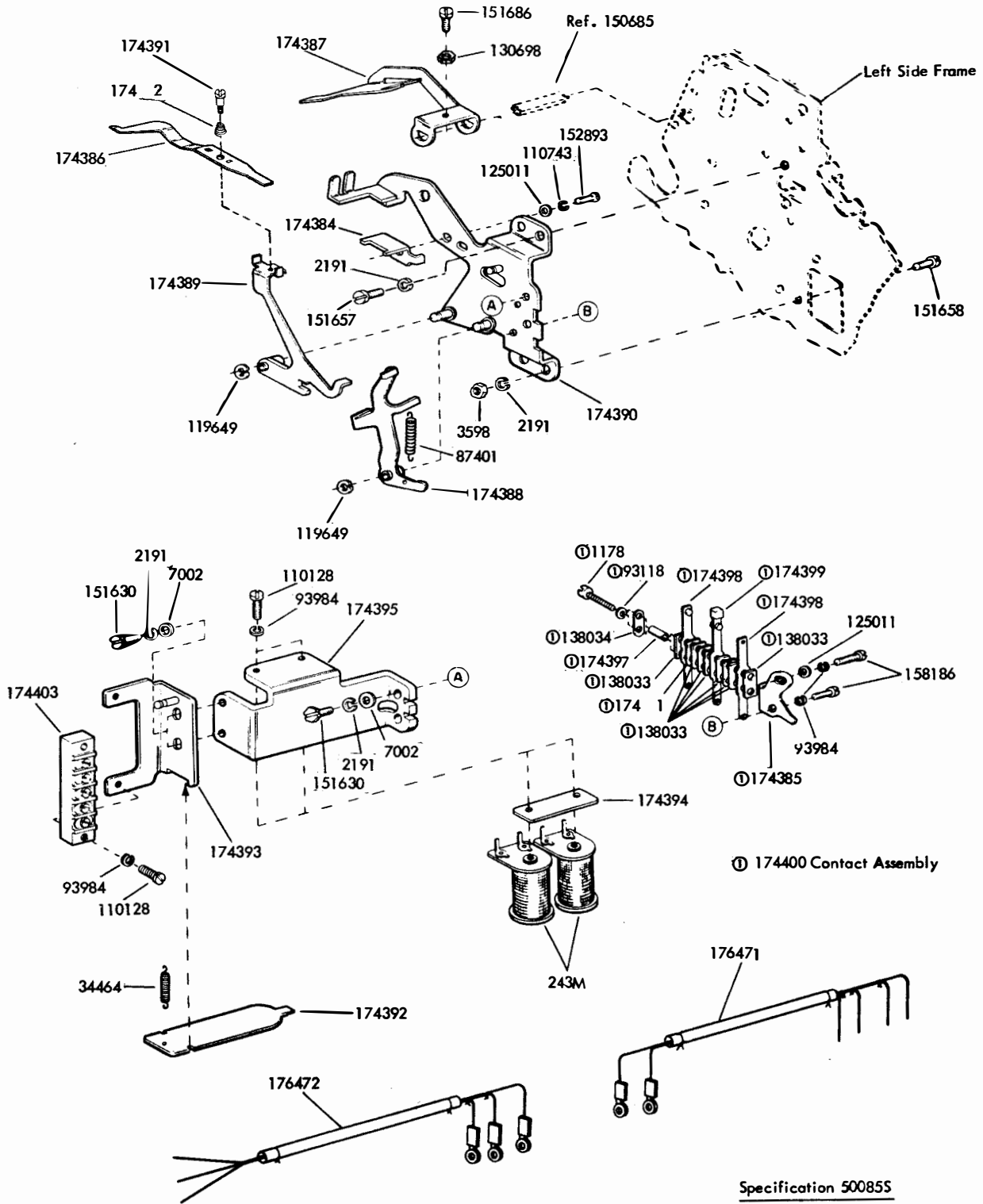


FIGURE 106. 174043 MODIFICATION KIT TO PROVIDE PAPER FEED FAILURE INDICATOR

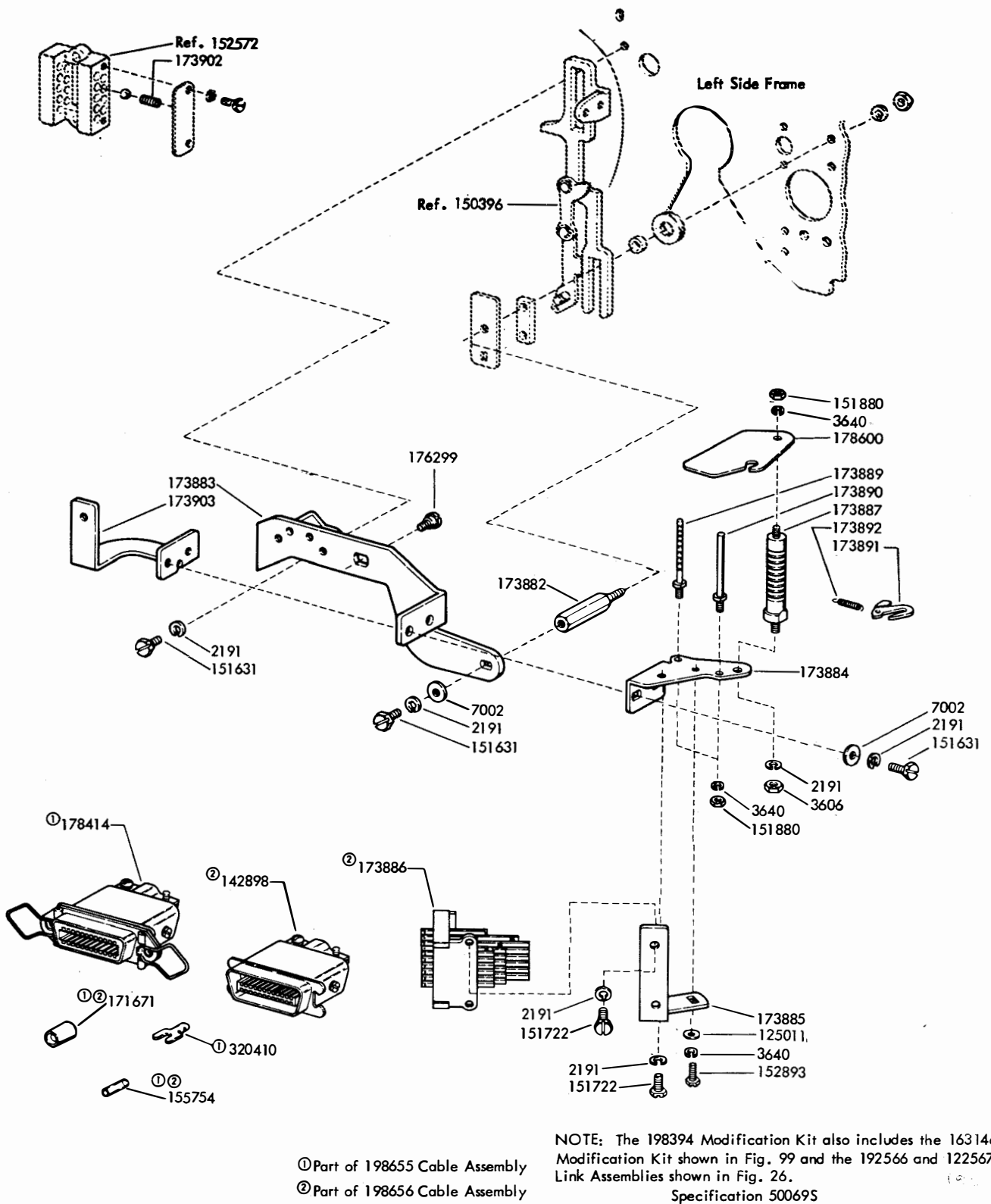
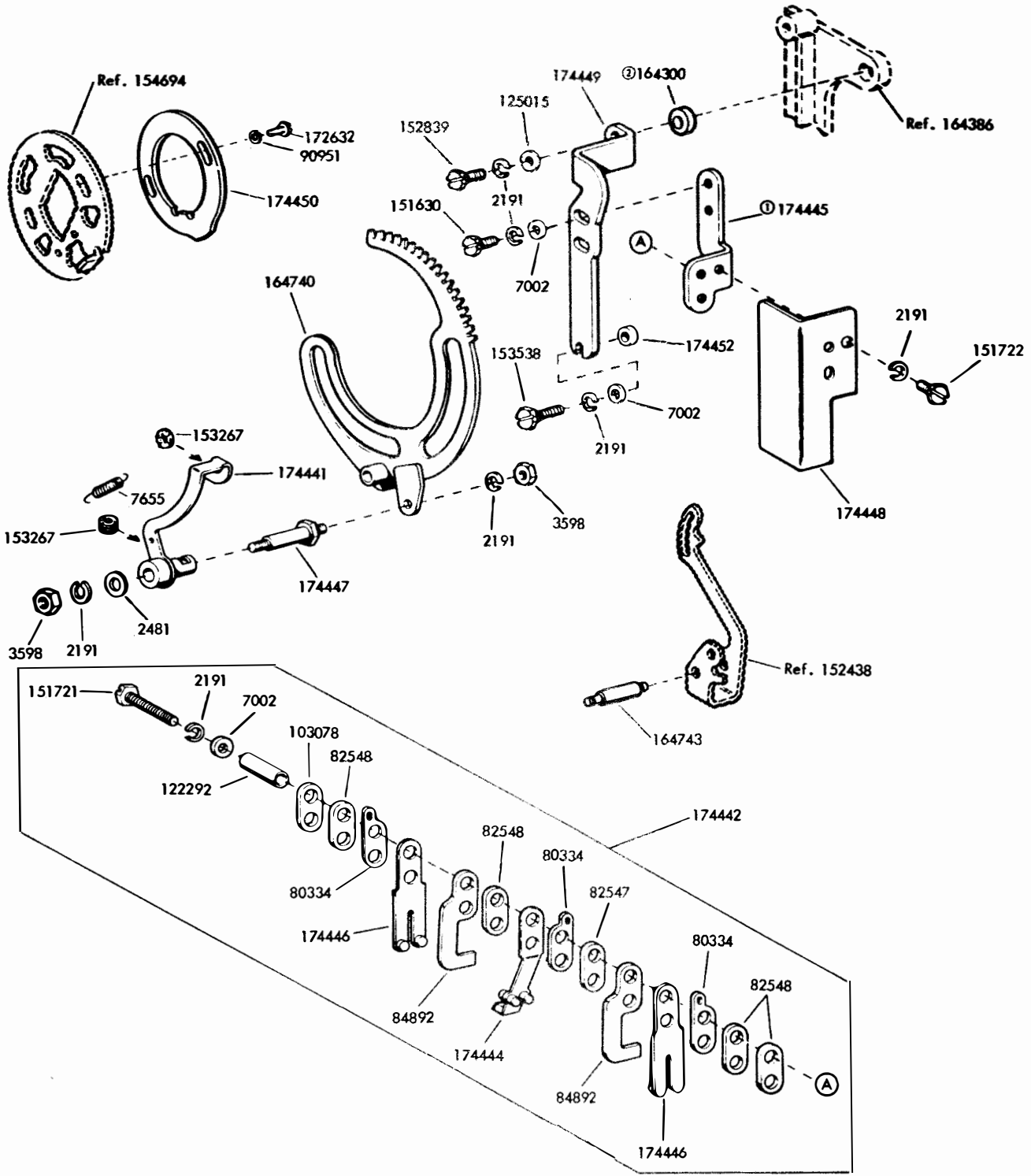


FIGURE 107. 198394 MODIFICATION KIT TO PROVIDE UNIVERSAL CONTACTS



Specification 500415

- ① Part of 174442 Contact Assembly
- ② Used only on 8-Level Units

FIGURE 108. 176420 MODIFICATION KIT TO PROVIDE SELECTOR WITH TIMING CONTACTS

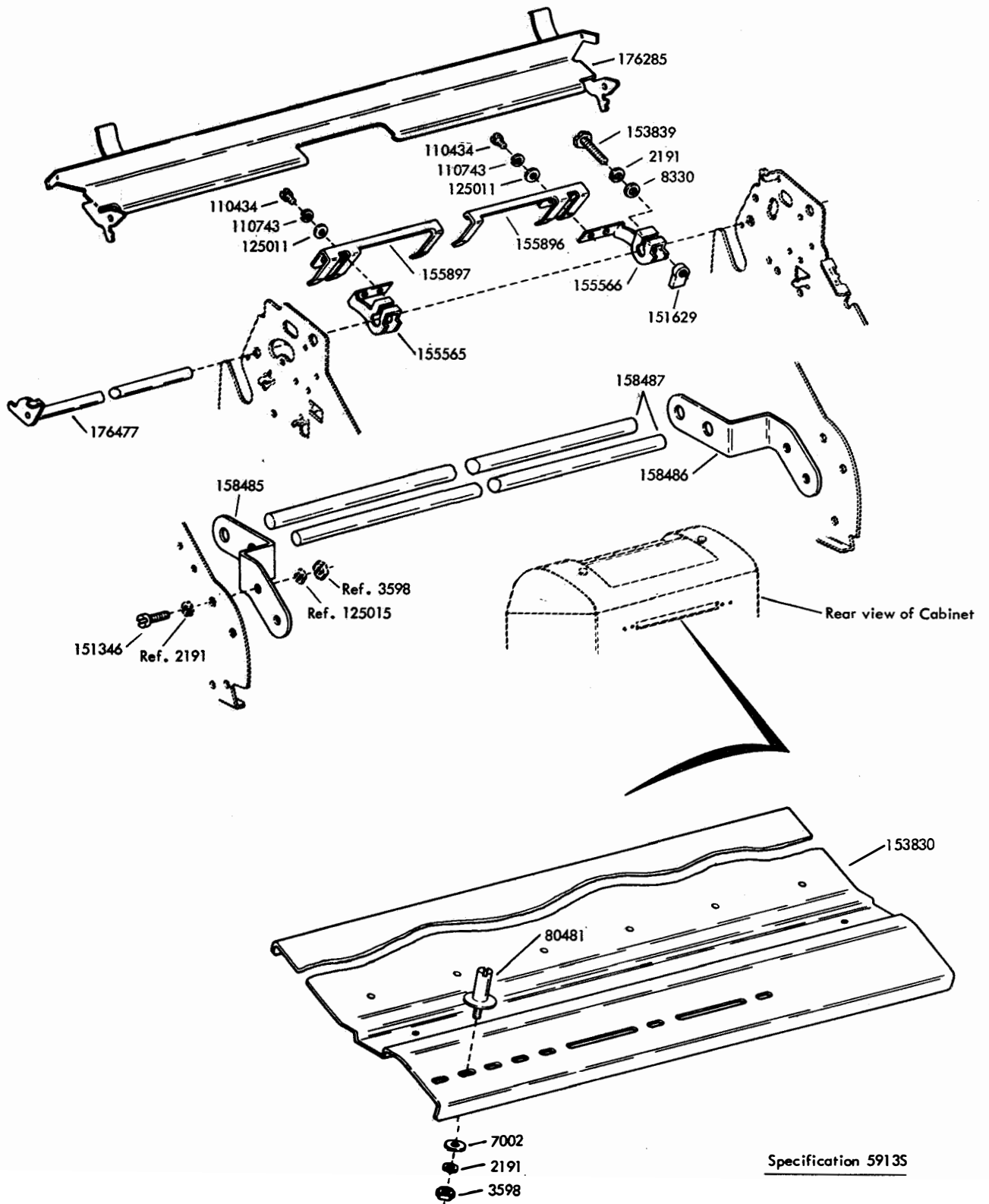
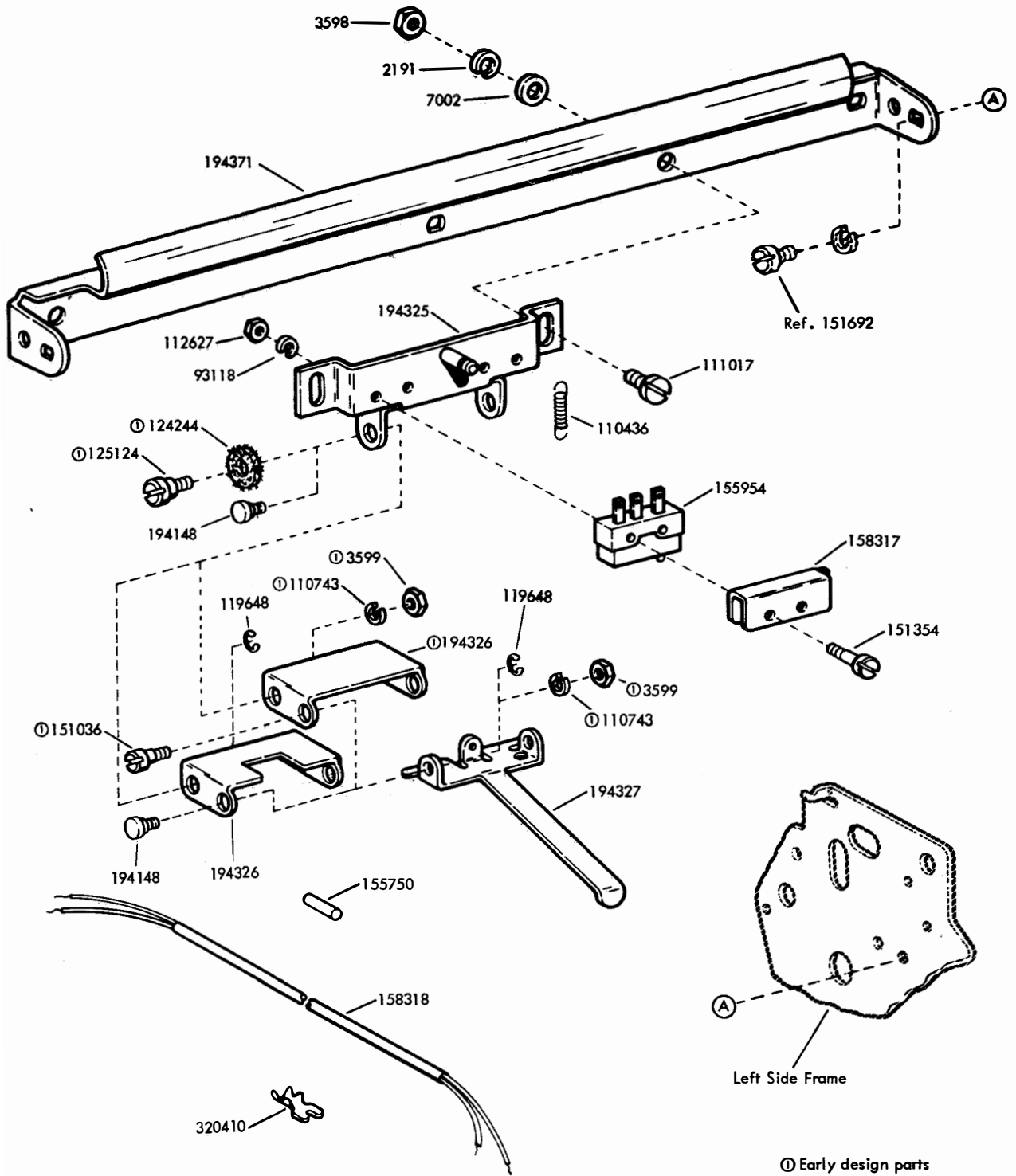


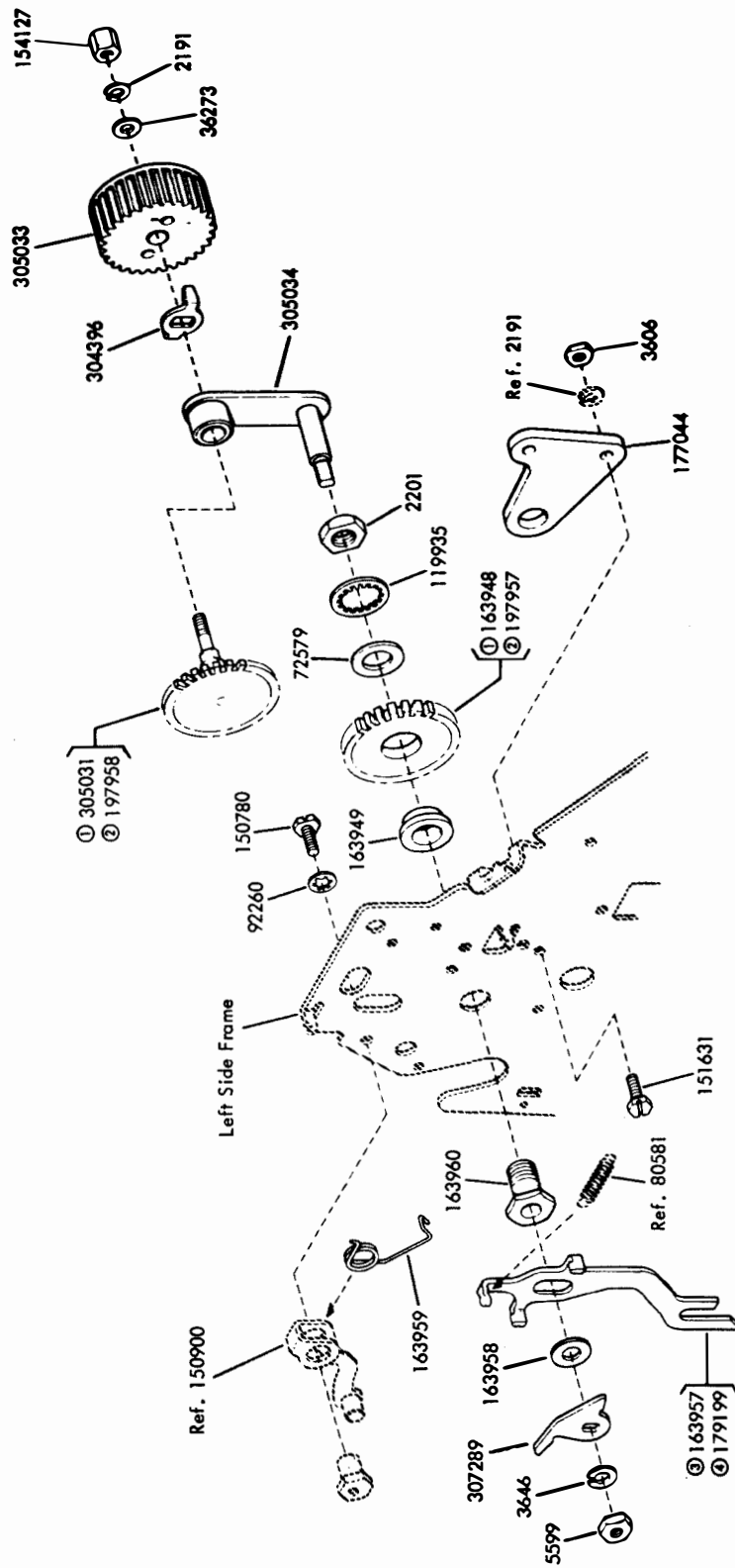
FIGURE 109. 154798 MODIFICATION KIT TO PROVIDE SUPERFOLD FRICTION FEED PAPER HANDLING



⊙ Early design parts

Specification 58885

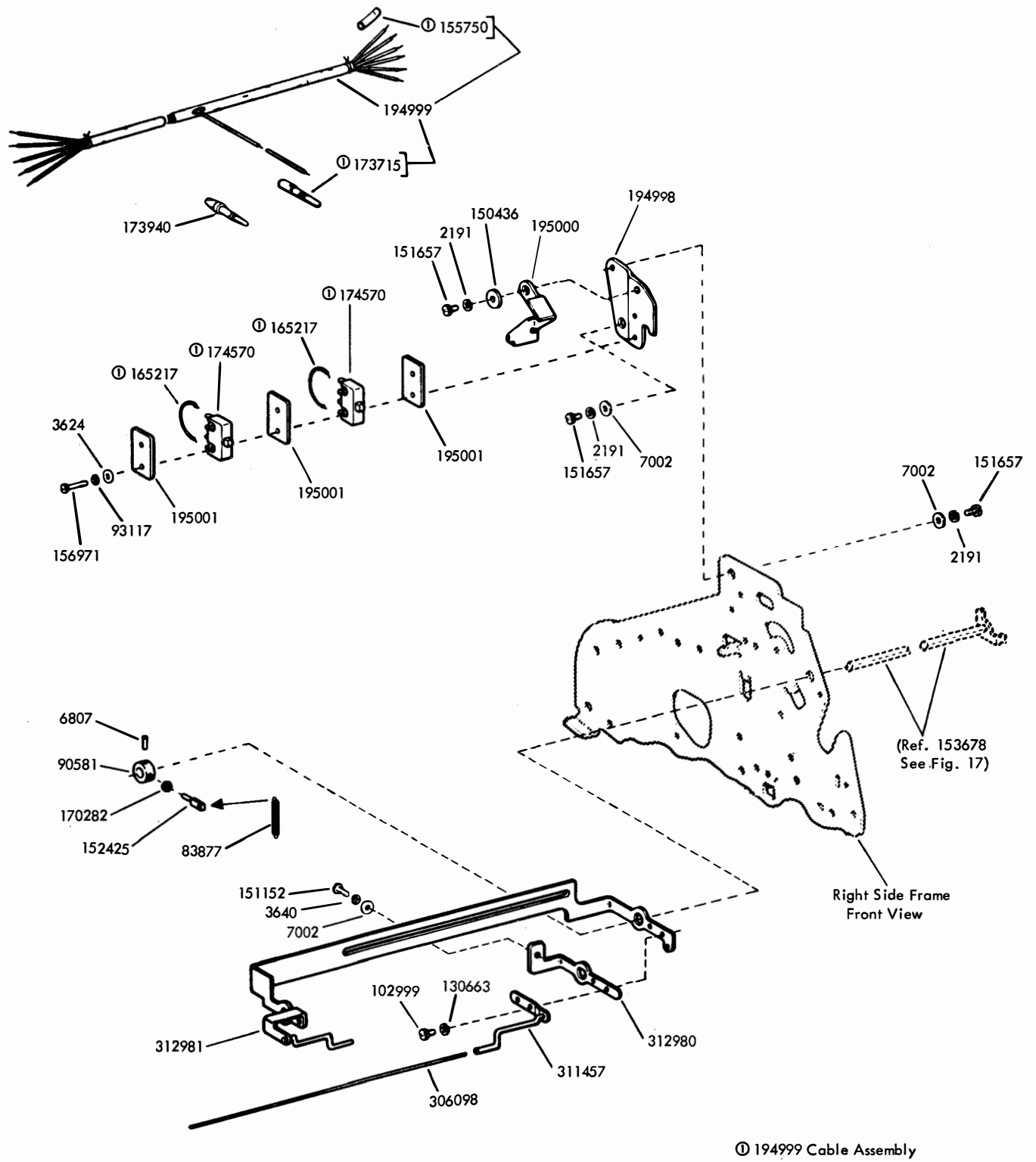
FIGURE 111. 194324 MODIFICATION KIT TO PROVIDE A PAPER-OUT ALARM SWITCH



- ① 305035 (3 or 6 line feeds per inch) and 307065 (4 or 8 line feeds per inch) Modification Kits for Sprocket Feed Printers.
- ② 305036 (3 or 6 line feeds per inch) Modification Kit for Friction Feed Printers.
- ③ Block oxide coated - part of 305035 and 307065 Modification Kits (for Sprocket Feed Printers)
- ④ Nickel plated - part of 305036 Modification Kit (for Friction Feed Printers)

Specification 59495

FIGURE 112. 305035, 305036 AND 307065 MODIFICATION KITS TO PROVIDE IMPROVED MANUAL PLATEN LINE FEED



Specification 50375S

FIGURE 113. 311456 MODIFICATION KIT TO PROVIDE PAPER JAM ALARM

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
190M	Coil, Magnet 79	3649	Washer, Flat 28,94	42827	Screw, 3-48 x 1/4 Fil 37
209M	Coil, Magnet 9,74	4586	Washer, Felt 6	45024	Spring 87,88
233M	Coil, Magnet 8	4703	Spring 48,51,56,73,78,83,86	45027	Spring 24
243M	Coil, Magnet 87,88,90	4708	Spring 4,84	45815	Lockwasher 80
250M	Coil, Magnet 33	4812	Wick, Felt 78	49420	Spring 39,71
254M	Coil, Magnet 34	5599	Nut, 8-32 Hex 80,96	55063	Spring 13
1010	Screw, 6-40 Shoulder 4	6800	Screw, 6-40 Shoulder 21	55669	Spring 87,88
1028	Screw, 4-40 x 1/4 Fil 8,79	6807	Setscrew 6-40 89,97	70072	Lockwasher 75
1036	Nut, 6-40 Hex 6	6987	Washer, Flat 94	70388	Spring 21,43,62
1041	Screw, 6-40 Shoulder 67	7001	Washer, Flat 4,84,85	70529	Stiffener 80
1164	Screw, 2-56 x 3/16 Fil 16	7002	Washer, Flat 4,6 to 10,15,16,17,19,21 to 26,28,29,31,34,35,36,39,51,52,54,56,58,59,62,63,66,67,73,74,77,79,80,81,83,85,87 to 95,97	70886	Washer, Flat 7
1178	Screw, 2-56 x 7/16 Fil 90	7036	Collar, Locking 6,37,54	71047	Washer, Flat 51,73
1196	Screw, 6-40 Shoulder 12	7603	Spring 21,23,94	71073	Washer, Flat 84
1214	Setscrew, 10-32 24	7655	Spring 6,54,92	71681	Spool, Ribbon 35
1272	Screw, 6-40 x 11/16 Fil 70	7656	Spring 85	72254	Washer, Flat 54
1293	Screw, 4-40 x 1/8 Fil 36	7835	Ribbon w/Spool, Black 36	72468	Spring 5
2034	Washer, Flat 29,31	7965	Spring 8,63	72522	Wick, Felt 44,51,56,73,78,86
2191	Lockwasher 4 to 19,21 to 29,31,33 to 39,42,43,51,52,54,55,56,58 to 64,66,67,70,73,74,76,77,79 to 85,87 to 97	8330	Washer, Flat 4,12,21,22,28,31,39,61,62,76,84,87,88,93	72579	Washer, Flat 80,96
2201	Nut, 5/16-32 Hex 80,96	8449	Spacer, .094" Thk 21,36,94	73035	Spring 64
2422	Lockwasher 10,52	13681	Spacer, .187" Thk 4,84	73175	Lockwasher 11,21,61
2438	Washer, Flat 8,34,79	21397	Washer, Spring 51,73	73427	Washer, Flat 7
2481	Washer, Flat 12,81,85,91	22015	Spring 36	73520	Wick, Felt 24
2539	Nut, 3/8-32 Hex 11,21,61	27425	Screw, 2-56 x 5/32 Fil 17	74283	Washer, Spring 31
2669	Lockwasher 4,6,9,10,11,15,17,22,24,31,51,73,74,76,82,85	31636	Spring 37,59	74536	Setscrew, 6-40 6,54
2836	Spring 7	33038	Spring 6,54,85	74547	Collar 21
3438	Washer, Flat 25,70,82	33828	Spring 15,17,26	74553	Wick, Felt 17
3598	Nut, 6-40 Hex 4 to 7,9 to 12,14 to 18,19,21,23,24,26 to 29,31,34,39,42,51,54,56,58,61,63,67,70,73,78,80,81,84,85,90,91,93,94,95	34432	Washer, Flat 37,52,58,75,80	74700	Spring 81
3599	Nut, 4-40 Hex 5,9,21,23,24,26,31,33,34,36,43,44,58,61,74,75,87,88,95	34464	Spring 90	74701	Spring 5,21
3606	Nut, 6-40 Hex 30,33,42,80,91,94,96	35826	Washer, Flat 10,51,73	74707	Spring 7
3624	Washer, Flat 89,97	36273	Washer, Flat 26,96	74712	Spring 21
3640	Lockwasher 6,7,12,14,18,23,24,29,75,80,87,88,91,97	36463	Spring 26	74716	Bushing 83
3646	Lockwasher 80,96	41382	Spring 31,73	74722	Washer, Flat 6,14
		41675	Washer, Flat 54	74727	Terminal, Contact 52,83
		41720	Spring, Contact 52	74728	Terminal, Contact 75
		41732	Plate, Clamp 52,75,80,83	74755	Washer, Felt 22
		41733	Insulator, .062" Thk 52,83	74785	Roller 21
		42661	Spring 10,35,36,42,51,87,88	74798	Screw, 6-40 x 31/64 Fil 11
		42823	Washer, Flat 10,18,19,53	74807	Nut, 10-32 Shoulder Hex 82,94
				74882	Spring 17
				74891	Shim, .004" Thk 79
				75607	Washer, Flat 67
				76081	Washer, Flat 34
				76099	Washer, Flat 34
				76246	Bushing, Insulating 80
				76249	Screw, 6-40 x 1/8 Fil 7
				76379	Spring 15
				76461	Washer, Flat 23
				76474	Nut, 10-32 Hex 85

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
76800	Spring 13	90581	Collar 89,97	104807	Washer, Flat 73
78533	Spring 31	90599	Shim, .008" Thk 39	104824	Spring 34
79012	Insulator 34	90606	Spring 43	105028	Wick, Felt 26
79449	Shim, .008" Thk 25	90679	Washer, Felt 6,8,30	105940	Stiffener 83
80310	Washer, Felt 22	90790	Washer, Flat 42,83	106281	Screw, 4-40 Shoulder 7,62
80334	Terminal, Contact 52,80,92	90791	Lockwasher 16,17,44	107116	Lockwasher 4,58,63,70
80342	Screw, 6-40 x 23/64 Hex 42,76	90819	Washer, Felt 11,21	107207	Spring, Contact 52
80424	Spring 80	90951	Lockwasher 61,92,94	107236	Bushing 52
80481	Screw, 6-40 Spl 93	91198	Wick, Felt 15,17	108199	Wick, Felt 21,26,39,67
80581	Spring 6,14,24,25,69,80,96	92260	Lockwasher 4,73,94,96	110128	Screw, 4-40 x 3/8 Fil 90
80708	Clamp, Cable 9,52,58,62,74	92682	Nut, 4-40 Spl 28	110434	Screw, 4-40 x 3/16 Fil 4,13,18,23,24,31,37,40,43,61,82,93
80755	Bushing, Insulating 75,80	93001	Washer, Flat 7	110435	Nut, 4-40 Hex 7,28,62
80848	Spring 13	93117	Lockwasher 58,87,88,89,97	110436	Spring 95
81731	Spring 24,64,71	93118	Lockwasher 4,84,90,95	110437	Spring 21,54,94
81778	Screw, 4-40 x 3/16 Fil 34	93356	Washer, Felt 11,12,17,18,21,25,26,39,54	110743	Lockwasher 4,5,8 to 11,13 to 19,22,23,24,26,28,30,31,33 to 37,39,40,42, to 46,51,53,56 to 62,64,65,67,69,73 to 77,82,83,87,88,90,93,94,95
82442	Spring 6	93507	Screw, 4-40 x 3/4 Hex 42	110839	Spring 9
82463	Spring 6,7,35,36,54	93729	Wick, Felt 29,39	110872	Spring, Compression 24
82547	Insulator, .094" Thk 52,75,80,83,92	93758	Washer, Felt 6,7,8,21,59	110879	Spring 55
82548	Insulator, .062" Thk 52,75,80,92	93879	Oiler, Felt 6	111017	Screw, 6-40 x 5/16 Fil 9,95
82860	Spring 67	93899	Spring 87,88	111355	Spring, Compression 6,7
82999	Spring, 9,74	93969	Screw, 4-40 x 3/16 Flat 65	112223	Screw, 6-40 Shoulder 94
83877	Spring 89,97	93984	Lockwasher 90	112509	Insulator, .031" Thk 80,83
84575	Spring 6,23	94316	Yoke 9,74	112626	Nut, 10-32 Hex 4,6,10,15,17,22,24,31,51,73
84598	Spring, Contact 52	94317	Shaft 9,74	112627	Nut, 2-56 Hex 16,44,52,87,88,95
84758	Spring 54	94674	Washer, Cup 39	112629	Spring 55,94
84892	Stiffener 52,92	94693	Wick, Felt 44,51,56,73	112633	Spring w/Wick 39
85407	Spring, Compression 57	95030	Nut, 6-40 Shoulder 57	112634	Spring 35,36
85816	Wick, Felt 23	95428	Spring 41,42	112889	Screw, 4-40 x 1/8 Fil 54
85935	Post, Spring 81	95827	Bushing 24,69	114107	Spring 29
86079	Washer, Felt 67	96717	Screw, 4-40 Shoulder 31	115122	Washer, Felt 15,17
86304	Spring 6	97117	Ribbon w/Spool, Red-Black 88	115529	Screw, 6-40 x 11/16 Fil 73
86835	Spring 26,34,58,63	97481	Wick, Felt 11	117535	Washer, Flat 85
86959	Bushing, Insulating 52	98561	Bushing 67	119035	Screw, 6-40 Eccentric 94
87401	Spring 54,90	98642	Lockwasher 94	119418	Washer, Flat 10,52
89096	Washer, Felt 23	98726	Screw, 3-48 x 1/4 Fil 75	119467	Insulator, .032" Thk 10,52
89897	Nut, 10-32 Hex 24	98832	Screw, 4-40 x 11/16 Fil 52	119648	Ring, Retaining 8,10,17,26,31,43,51,64,73,79,87,88,95
90054	Spring 73	100337	Spring 56		
90361	Washer, Felt 4,6,7,15,17,35,36,87,88	101796	Washer, Felt 6,17,24,39		
90432	Washer, Flat 16	102672	Spring, Contact 80		
90490	Shim, .005" Thk 6,7	102673	Spring, Contact 80		
90504	Washer, Felt 23,42	102999	Screw, 2-56 x 5/32 Fil 97		
90517	Spring 10,44,51,56,73,78,86	103078	Plate 92		
		103815	Collar 54		
		103863	Spacer, .055" Thk 43		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
119649	Ring, Retaining 6 to 10, 16,23,24,29,35,36,42,51, 54,56,59,62,67,73,74,78, 81,85,87,88,90	126815	Screw, 2-56 x 15/64 Hex 87,88	150049	Spacer, Clutch 20
119650	Ring, Retaining 60,94	128357	Ring, Retaining 13,85,89	150050	Spacer, Clutch 19
119651	Ring, Retaining 5,6,8,15, 17,23,25,26,35,36,39,42, 55,56,78,87,88	130663	Lockwasher 97	150051	Cam, Eccentric 19
119652	Ring, Retaining 6,7,8,11, 12,15,17,19,21,23 to 26, 28,31,35,36,39,42,54,63, 77,83,84,87,88	130683	Lockwasher 23	150052	Cam, Eccentric 20
119653	Ring, Retaining 6,7,14, 24,26,35,36,42,55,87,88	130696	Washer, Felt 76	150053	Bracket 39
119935	Lockwasher 80,96	130698	Nut, 4-40 Hex 90	150054	Bail w/Roller 39
120824	Washer, Felt 19	135716	Spring 8,51,54	150055	Stud 12,28
121120	Collar 70	138033	Insulator, .031" Thk 90	150056	Arm 19
121242	Clamp, 1/8" ID Cable 52	138034	Plate, Clamp 90	150059	Bail 39
121243	Clamp, 3/16" ID Cable 8, 34,42,58,76,88,94	139555	Spring 24	150061	Head, Print Hammer 39
121244	Clamp, 1/4" ID Cable 42,52	142898	Connector, 24 Pt Plug 91	150064	Stud 39
121245	Clamp, 5/16" ID Cable 42, 87	145301	Latch 44	150065	Bracket, Stop 39
121246	Clamp, 3/8" ID Cable 34	150000	Drum, Clutch 18,19	150068	Arm 39
121247	Clamp, 7/16" ID Cable 42	150001	Drum, Clutch 19	150075	Latch, Typebox 16
121248	Clamp, 1/2" ID Cable 58	150004	Cam, Codebar Clutch 19	150077	Spring 40
121249	Clamp, 5/8" ID Cable 70	150010	Plate, Retaining 18	150078	Nut, 4-40 Shoulder Hex 39
121473	Post 83	150013	Disc, Adjusting 18,19	150079	Stud 39
121605	Bushing 62	150014	Disc, Adjusting 18,20	150080	Screw, 2-56 Shoulder 16
122149	Screw, 4-40 Spl 43	150021	Clutch Assembly, Codebar 19	150089	Screw, 4-40 x 1/2 Fil 24, 34,87,88
122292	Bushing, Insulating 92	150024	Clutch Assembly, Line Feed 20	150091	Gear, 27T 20
122567	Link Assembly 91	150025	Clutch Assembly, Typebox 18	150096	Roller Assembly, Pressure 5
124177	Lockwasher 7,33,94	150026	Lever, Shoe, Release 18, 19	150097	Crossbar 5
124244	Washer, Felt 29,95	150027	Lever, Shoe, Release 18, 20	150099	Guide Rear Paper 5
124681	Screw, 6-40 Set 5,94	150029	Wick, Felt 18,19	150175	Stud 26
124999	Switch, Sensitive 10	150030	Roller, Bearing 39	150184	Link 24
125011	Washer, Flat 5 to 8,10, 11,13 to 17,22,23,24,30, 31,39,40,42,43,45,51,57, 58,59,61,73,75,76,77,87 to 91,93,94	150032	Disc, 2 Stop Clutch Cam 20	150193	Hub 24
125015	Washer, Flat 5,6,8,10, 11,17,21,34,42,51,54,55, 70,73,87,92,93	150033	Disc, 3 Stop 18	150194	Plate 24
125124	Screw, 4-40 Shoulder 95	150034	Disc, 2 Stop 20	150196	Bail 24,77
125126	Screw, 2-56 x 9/32 Fil 76	150035	Disc, 3 Stop 18	150197	Stud 22
125238	Spring 24	150036	Carriage Assembly 2,39	150202	Gear, 18T 24
125268	Spring 79	150038	Latch 39	150203	Retainer 24
125802	Washer, Flat 14,24,43	150039	Slide, Printing Arm 39	150206	Spacer, .412" Thk 22
		150040	Screw, 6-40 x 5/8 Fil 13, 21,61,85,88	150208	Bail, Left 26
		150043	Shoe, Secondary Clutch 18,19	150214	Stud, Bearing 6
		150044	Shoe, Primary Clutch 18,19	150215	Block, Guide 26
		150045	Bearing, Clutch Sleeve 18,20	150218	Bushing 26
		150046	Bearing, Typebox Clutch 18	150219	Screw, 4-40 x 1/2 Sq 23
		150047	Bearing, Codebar Clutch 19	150224	Pulley 23
		150048	Spring 31	150225	Rope, Draw Wire 22
		150049		150228	Spacer, .035" Thk 24
				150229	Retainer 24
				150230	Plate 39
				150232	Retainer, Oil 26
				150233	Roller 24
				150234	Roller 24
				150235	Slide, Transfer 24
				150237	Lever, Escapement 23

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
150241	Spring 18,19	150366	Bracket 15	150471	Stud 28,76
150244	Link 18	150367	Bracket 17	150479	Stud 31
150245	Bracket 26	150369	Link, Left 15	150481	Shaft 28,61
150247	Link 26,27	150370	Link, Right 17	150482	Plate 28
150251	Wheel, Ratchet 22	150371	Slide 43	150507	Spring 28
150255	Bushing 23	150377	Arm 6	150525	Bracket 30
150263	Bail 26,27	150380	Stud 17	150531	Plate, Clamp 23
150265	Shaft 5	150382	Block, Guide 15,17	150535	Spring, Compression 37
150266	Lever, Guide 5	150383	Spacer, .149" Thk 15	150536	Spring 24
150267	Clamp 5	150384	Spacer, .245" Thk 17	150537	Ball, Bearing 24,37
150269	Roller, Pressure 5	150386	Link, Left Ribbon Drive 15,88	150538	Cylinder, Dashpot 24
150270	Link 5	150387	Link, Right Ribbon Drive 17,87	150544	Handle 41,42
150271	Arm, Release 5	150390	Bushing 16	150545	Bracket, Right 4
150274	Bracket, Clamp 5	150391	Spacer, .095" Thk 20	150546	Bracket, Left 4,9,80
150276	Lever 5	150392	Bail 6,7	150547	Shaft 42
150285	Bar, Tie 38	150395	Screw, 6-40 Shoulder 15, 17	150549	Collar 18
150288	Bracket 37	150396	Lever, Left 15,79,91	150553	Bushing, Insulating 43
150289	Stud 37	150397	Lever, Right 17	150554	Plate 23
150291	Slide 43	150398	Stud, Pivot 11	150557	Bracket 8,63
150293	Plate, Retaining 37	150399	Shaft 6,7	150558	Spring, Torsion 26
150296	Fork, Codebar 43	150401	Clamp 15	150559	Spring, Torsion 26
150298	Bushing 43	150410	Stud 15	150561	Arm 6,8,63
150301	Plate, Retaining 37	150411	Washer, Flat 17	150563	Spring 28
150302	Shim, .006" Thk 37	150412	Arm, Left Follower 15	150569	Guide, Left 4
150304	Bracket, Guide 37	150413	Arm, Right Follower 17	150571	Plate, Spacing 43
150310	Lever, Ribbon 36	150414	Bushing 11	150572	Separator, .105" Thk 43
150311	Lever, Ribbon 35	150419	Shaft 11	150573	Separator, .075" Thk 43
150318	Stud 14,94	150420	Lever, Right 17	150576	Spring, Contact 43
150327	Roller, Ribbon 35,36	150422	Stud, Pivot 11	150579	Guide, Right 4
150335	Gear, 12T 36	150424	Blade, Stripper 16,41	150585	Bar, Line Feed 14
150336	Bushing 24,35,36,87,88	150425	Locklever 15,17	150586	Lever 14
150341	Post, Spring 4	150428	Lever, Left 15	150587	Spring, Contact 43
150342	Screw, 6-40 Shoulder 13,14	150429	Stud, Eccentric 15,17	150588	Spring, Contact 43
150343	Lever 36	150431	Lever, Trip 21	150598	Track, Printing 26
150344	Lever 35	150432	Washer, Flat 88	150642	Bellcrank 13,14
150348	Shaft 21	150434	Bail, Transfer 8	150646	Screw, 6-40 Shoulder 13, 14
150349	Arm, Follower 21	150436	Bushing 5,13,24,36,89,97	150647	Eccentric 14,94
150350	Shaft 21,74	150438	Bellcrank 24,69	150648	Eccentric 14,94
150351	Stud, Eccentric 4	150440	Hub 18	150649	Washer, Spacing 14,94
150352	Bushing 21	150441	Gear, 21T 18	150650	Bushing 14
150353	Stud 4	150444	Lever, Trip Shaft 21	150651	Gear, 28T 14,64
150354	Arm, Trip 21	150447	Arm 28	150652	Screw, 4-40 x 37/64 Fil 14,80
150355	Latchlever 21	150450	Arm 28	150654	Guide 4
150356	Lever, Trip 21	150451	Link 30	150656	Handwheel 14,53,64
150358	Lever, Trip 21	150452	Bearing 28	150658	Gear, 21T 14
150361	Spacer, .277" Thk 21,74	150453	Shaft 28	150665	Gear, 42T 20
150363	Plate 15			150666	Gear, 28T 14
150364	Stud, Eccentric 18				
150365	Shaft, Rocker 15				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
150668	Collar, Spacing 24	150800	Stud 23	150969	Spring, Torsion 4,13
150669	Shim, .002" Thk 24	150803	Spring, Flat 5	150970	Bearing, Ball 18,64
150670	Shim, .004" Thk 24	150804	Finger, Right Paper 5	150971	Cable 47
150672	Bearing 24	150805	Shim, .012" Thk 23	150973	Pallet, Dummy 40,51,55,78
150673	Shaft 24,74	150806	Plate 23	150975	Cup, Dashpot 24
150677	Pawl, Feed 24	150807	Oiler, Felt 23	150978	Screw, 6-40 x 1-1/8 Fil 9,28,34,74
150678	Pawl, Feed 24	150809	Gear, 32T 14	150986	Pawl Assembly, Spacing 24
150685	Plate 5,90,94	150811	Stud 17	150987	Spacer, .090" Thk 24
150687	Stud 31	150815	Bushing 5	150990	Washer, Felt 11,12,25,28,30
150691	Link 23	150816	Lever 5	150991	Washer, Felt 12
150692	Link 23	150821	Spacer, .156" Thk 35	150992	Stud 5
150694	Slide 24	150824	Track 17	150998	Spacer, .020" Thk 14
150705	Bushing 23	150826	Guide, Left Paper 5	151036	Screw, 4-40 Shoulder 95
150709	Spacer 23	150827	Drum, Spring 22	151073	Screw, 4-40 x 5/32 Fil 14,65,67,77
150710	Screw, 6-40 x 1/4 Fil 23	150830	Bushing, Shoulder 18,20	151103	Spring 31,32
150711	Washer, Flat 76	150831	Ring, Retaining 20	151152	Screw, 4-40 x 3/16 Hex 8,23,28,29,37,39,59,69,73,75,87,88,94,97
150712	Rope, Draw Wire 22	150833	Platen Assembly 14	151182	Washer, Insulating 76
150714	Bearing, Sleeve 14	150838	Ring, Retaining 22,71	151222	Washer, Felt 12,28,42
150715	Gear, 32T 14	150840	Bracket, Guide 5	151223	Screw, 4-40 Shoulder 16
150718	Platen 14	150841	Bearing 18,20	151329	Switch, Sensitive 52,58
150719	Retainer 14	150843	Plate, Hook 22	151336	Oiler 31,32
150720	Retainer 13,14	150889	Lever, Trip 21	151346	Screw, 6-40 x 3/8 Fil 4,6,11 to 14,18,22,24,35,54,75,78,81,83,85,93
150721	Arm 23	150891	Block 17	151354	Screw, 2-56 x 15/32 Fil 4,58,84,95
150722	Arm 23	150895	Arm, Trip 21	151362	Wick, Felt 26
150726	Link, Left 23	150900	Bail, Detent 4,96	151442	Screw, 6-40 x 1/2 Hex 4,15,29,84
150727	Link, Right 23	150902	Lever 4,84	151443	Eccentric 39
150728	Rail 23	150903	Block, Left Paper Spindle 11	151572	Lockwasher 25
150731	Slide 24	150904	Block, Right Paper Spindle 11	151602	Plate 15,17
150732	Slide, Bottom 24	150907	Spindle, Paper 11	151603	Spacer 17,34
150733	Slide, Top 24	150909	Screw, 6-40 Shoulder 23	151604	Block, Guide 15,17
150738	Guide 24	150910	Latch, Right 57	151606	Screw, 10-32 x 1/4 Hex 12,24
150740	Plate 27	150911	Bushing, Shoulder 14	151607	Retainer, Spring 33
150746	Bushing 24	150912	Screw, 6-40 Shoulder 14	151610	Washer, Flat 18,39,64
150748	Stud 24,27	150913	Bail 8	151611	Bushing 39,84
150750	Plate 23	150915	Blade, Stripper 8,41	151612	Spacer 39
150751	Block, Guide 23	150923	Washer, Felt 21,26,39	151618	Screw, 6-40 x 7/16 Fil 4,10,22,34,37,51,58,62,63,67,73,84
150752	Stud 26	150926	Washer, Felt 7,23	151619	Bushing 22
150753	Roller 26	150927	Oiler, Felt 23		
150754	Roller 24,26	150929	Oiler, Felt 23		
150755	Stud 26	150930	Washer, Felt 6		
150757	Arm 27	150931	Spacer, .040" Thk 20		
150758	Pulley 24	150932	Bushing, Shoulder 35,36,82		
150770	Bellcrank 24	150935	Latch 57		
150771	Bellcrank 24	150937	Lever 36		
150776	Locklever 24	150953	Slide Assembly 23		
150777	Bail, Right 26	150961	Bushing, Eccentric 4,13		
150780	Screw, 6-40 Spl 4,85,96	150963	Plate, Retaining 43		
150781	Stud 6,8				
150796	Disc 22				
150798	Ratchet 22				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
151625	Strip 26	151689	Screw, 4-40 x 3/4 Fil 5, 19,45,46,75,83	152121	Lever, Function 44,86
151627	Rod 11,67	151690	Screw, 10-32 x 5/16 Fil 18,85	152127	Clip 41
151629	Nut, 6-40 Lug 13,21,28, 61,76,85,93	151691	Screw, 10-32 x 3/8 Fil 9,74	152129	Spring 39
151630	Screw, 6-40 x 1/4 Hex 6 to 9,11,13,17,18,19, 23,24,26,28,31,35,37,39, 52,54,55,74,79,80,88,90, 92,94	151692	Screw, 6-40 x 3/16 Fil 4, 5,6,8,21,23,24,25,33,35, 39,42,62,63,64,66,67,95	152140	Bail 6
151631	Screw, 6-40 x 5/16 Hex 7, 22,28,34,57,60,79,80,87, 88,91,96	151693	Screw, 6-40 x 9/16 Fil 18,36,51,81	152142	Lever Assembly 51
151632	Screw, 6-40 x 3/8 Hex 8, 13,15 to 18,23,29,54,56, 62,64,79,82	151695	Screw, 6-40 x 5/8 Hex 39	152147	Bearing, Ball 17
151637	Screw, 4-40 x 1/4 Fil 4, 7,8,10,13 to 16,22,24,34, 36,42,43,51,53,56 to 60, 63,73,83,87,88	151698	Spring, Torsion 23	152254	Wick, Felt 15,17,27
151640	Lever, Shoe Release 19	151700	Screw, 6-40 Shoulder 26	152255	Bar w/Retainer 37
151642	Screw, 6-40 x 3/4 Fil 10, 18,19,51,68,81,85	151701	Spring, Torsion 31	152256	Codebar 37
151644	Spring 15,17	151702	Nut, 4-40 Hex 42	152257	Spring 37
151657	Screw, 6-40 x 1/4 Fil 4, 5,6,8,11,12,13,17,24,25, 28,31,35,36,37,42,43,61, 64,75,77,88,89,90,97	151703	Pin 5	152298	Lever, Function 44,86
151658	Screw, 6-40 x 5/16 Fil 6,7,9,10,11,13,14,15,22, 24,26,28,34,36,51,61,63, 73,87,88,90	151709	Arm 39	152299	Lever, Function 44
151659	Screw, 6-40 x 1/2 Fil 36	151713	Spring, Torsion 8,60	152302	Modification Kit 2,51
151660	Screw, 6-40 x 7/8 Fil 13, 57,81,85	151714	Spring 31	152303	Modification Kit 2,52
151661	Screw, 6-40 x 1 Fil 24	151715	Spring 33	152304	Modification Kit 54,56
151667	Roller 30	151721	Screw, 6-40 x 3/4 Hex 4, 11,28,76,84,92	152312	Modification Kit 2,60
151668	Roller 28,30	151722	Screw, 6-40 x 3/16 Hex 8, 21,23,34,38,54,55,59,64, 66,78,80,83,85,87,91,92	152315	Modification Kit 2,57
151669	Stud 30	151723	Screw, 10-32 x 3/8 Hex 24,82	152317	Modification Kit 2,58
151670	Bracket 30	151731	Screw, 4-40 x 7/8 Fil 14	152337	Modification Kit 2,59
151676	Shim, .010" Thk 30	151732	Screw, 4-40 x 11/32 Fil 18,58,64	152340	Modification Kit 2,61
151683	Typebox Assembly, RE 40	151733	Screw, 4-40 x 9/16 Fil 19	152345	Modification Kit 2,62
151685	Screw, 4-40 x 5/16 Fil 11,17,21,22,24,43,54	151734	Screw, 4-40 x 3/8 Hex 17	152348	Modification Kit 3,69
151686	Screw, 4-40 x 3/8 Fil 5, 24,34,75,90	151736	Spring 18,20	152350	Modification Kit 3,63
151687	Screw, 4-40 x 7/16 Fil 43,76	151737	Screw, 4-40 x 11/64 Hex 18,19,73	152357	Stud 44
151688	Screw, 4-40 x 5/8 Fil 9, 18,34,42,61,74,80,94	151738	Screw, Identification 40	152359	Arm 6,10,51
		151739	Screw, Identification 42	152360	Sleeve 10,51
		151794	Washer, Spring 20	152400	Plate, Selector Mounting 31,58
		151797	Cable 47	152401	Guide 31
		151799	Modification Kit 2,57	152402	Guide, Selector Lever 31
		151819	Jumper, 3" Black 34	152403	Bracket, Guide 31
		151880	Nut, 4-40 Hex 17,24,54, 75,79,91	152404	Bracket, Spring 31
		151930	Typebox Assembly, RA 40	152406	Bracket, Spring 31
		151931	Typebox Assembly, RC 40	152407	Locklever, Spacing 31
		151937	Typebox Assembly, RD 40	152409	Lever, Selecting 31
		151938	Typebox Assembly, RN 40	152410	Bail, Reset 31
		152089	Latch 44,86	152411	Lever, Push 31
				152412	Link 31
				152413	Bracket 33
				152415	Stud, Adjusting 34
				152420	Laminating, Magnet 34
				152421	Bracket, Shield Mounting 34
				152422	Armature 33
				152423	Bracket, Armature Stop Mounting 34
				152424	Plate, Stop 33
				152425	Post, Spring 34,89,97
				152426	Nut, 6-40 Self-Locking 34

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
152427	Latch w/Hub 31	152529	Ratchet, Right Ribbon 35, 87	152616	Clutch Assembly, Function 20
152429	Rack, Sector 31	152536	Bail 26	152626	Bracket, Left 41
152432	Arm, Stop 31	152537	Clamp 18,64	152627	Bracket, Right 41
152434	Plate 33	152538	Plate, Front 24,76,77	152629	Washer, Friction 35,36, 87,88
152435	Stud 33	152539	Guide 5,61,62	152630	Shaft, Ribbon Spool 35,36
152436	Knob, Range Scale 31	152541	Arm, Left 16	152633	Plate, Mounting 43
152437	Spacer, .125" Thk 33	152542	Arm, Right 16	152634	Washer, Flat 24,69
152438	Bail, Stop Arm 31,92	152543	Link 12	152635	Lever, No. 1 Transfer 28
152439	Shaft 33	152545	Lever 6,7	152636	Lever, No. 2 Transfer 28
152440	Bushing 33	152546	Bracket 76	152637	Lever, No. 3 Transfer 28
152441	Washer, Flat 31,76	152547	Shaft 42	152638	Lever, No. 4 Transfer 28
152445	Spring, Compression 31	152548	Shiftbar 37	152639	Lever, No. 5 Transfer 28
152447	Shaft 19,74	152549	Codebar 38	152640	Lever, No. 6 Transfer 28
152450	Cam, Selector 19	152550	Clamp 15	152641	Lever, Function 44,51, 73,78
152453	Clutch Assembly, Selector Cam 19	152551	Codebar, No. 4 & No. 5 37	152642	Lever, Function 44,56,86
152456	Holder, Wick 28	152552	Codebar No. 3 37	152643	Guide 41
152457	Wick, Felt 28	152554	Codebar, LF & CR 38	152644	Bracket 36
152458	Shield, Terminal 33,34	152555	Shaft 12	152646	Lever, Left Reversing 36
152461	Bracket 34	152559	Plate, Front Pallet Box 40	152647	Lever, Right Reversing 35,87
152462	Latch, Right 34,58,63	152563	Bracket 6,7	152648	Stud 35
152463	Latch, Left 34,58,63	152569	Linkage 27	152651	Guideplate 42
152464	Insulator, .062" Thk 34,58	152570	Linkage 27	152652	Bar, Guide 42
152466	Connector, 21 Pt Receptacle 70	152571	Spacer, .250" Thk 36	152653	Pawl, Function 44,51,56, 73,78,86
152467	Connector, 20 Pt Plug 34,63	152572	Bracket 9,37,60,91	152654	Guideplate 43
152468	Cable w/Terminals 34	152573	Retainer 19	152655	Plate, Adjusting 43
152501	Guide, Ribbon 16	152574	Plate 37	152656	Stud 43
152502	Modification Kit 16,17	152575	Bracket 37	152658	Plate 43
152503	Linc 16	152576	Bracket 37	152659	Lever, Function 44
152507	Roller, Detent 23	152577	Track 23	152660	Plate, Spring 44,51,56, 73,78,86
152508	Bracket, Right 23	152582	Shaft 36	152662	Shaft 28
152509	Bracket, Left 23	152583	Bearing, Sleeve 28	152663	Guide 28
152510	Lever, Detent 23	152584	Lever 28	152665	thru
152511	Guide 23	152585	Lever 28	152704	Bar, Function 48,49
152514	Bail 6	152586	Bracket 24,77	152708	Locklever, Keyboard 8,63
152515	Lever, Space Trip 6,7	152587	Drum, Spacing 22	152711	Bracket 8
152516	Slide 6	152588	Arm 22	152716	Bail 12
152517	Arm, Trip Lever 21,68,77	152589	Clamp 15	152717	Arm 20
152518	Bail 6	152590	Lever, Cutout 22	152721	Codebar 38
152521	Slide 23	152591	Arm, Automatic CR & LF 22	152723	Spring 5
152523	Spring 35,36,87,88	152592	Guide 23	152724	Spring 27
152524	Bracket 35,36,87,88	152593	Housing, Bearing 17	152725	Spring 5
152525	Hub 35,36,87,88	152595	Slide 23	152726	Bushing 21
152526	Plate, Right 35,87	152596	Slide, Shift 24	152742	Typebox Assembly, RG 40
152527	Plate, Left 36,88	152598	Plate, Left 27		
152528	Ratchet, Left Ribbon 36, 88	152599	Plate, Right 27		
		152606	Rail Assembly, Oscillating 23		
		152614	Track Assembly 23		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
152752	Typebox Assembly, RH 40	153158	Plate, Nut 10,52	153254	Bracket 77
152818	Lever, Left Detent 36	153159	Cable Assembly 52,80	153255	Bail 6,7,77
152819	Lever, Right Detent 35	153160	thru	153256	Bracket 24,77
152820	Lever, Left Feed 36,88	153169	Bar, Function 48,49	153257	Bail 77
152821	Lever, Right Feed 35	153172	Spring 23	153258	Bushing 77
152823	Bracket, Left 7,36	153173	Plate, Clamp 23	153259	Arm 77
152824	Bracket, Right 35	153174	Link, Left 23	153260	Plate 77
152826	Pin, Detent 35,36,87,88	153175	Link, Right 23	153261	Bushing, Threaded 77
152827	Bracket, Left Spool 36	153180	Link, Right 23	153262	Arm 77
152828	Bracket, Right Spool 35	153181	Link, Left 23	153263	Arm, Stop 77
152831	Clip 4	153183	Slide 23	153267	Washer, Felt 64,92
152832	Shaft 5,61	153184	Post 34	153287	Spring 64
152834	Spring, Torsion 35,36	153185	Gear, 30T 10,51,73	153288	Spring 77
152839	Spring, Latch 92	153186	Arm, Slide 51	153291	Arm 42
152871	Spring 14	153188	Screw, 6-40 Shoulder 10,51	153292	Plate 19
152881	Typebox Assembly RB 40	153189	Spring, Compression 10, 51,73	153293	Spacer, Clutch 19
152887	Screw, 4-40 x 1/2 Hex 19, 20	153190	Arm 10,51	153294	Cam 42
152888	Screw, 4-40 x 7/16 Hex 20	153191	Pointer 10,51,73	153295	Shaft 42
152889	Plate, Retaining 42	153192	Spring, Torsion 10,51,73	153296	Eccentric 19
152890	Washer, Flat 24	153193	Lever 10,51	153298	Bracket, Right 42
152891	Spring 31,37	153194	Bail 10,51	153299	Bracket, Left 42
152893	Screw, 4-40 x 1/4 Hex 6 to 11,13,15,30,31,42,51, 55,59,87 to 91,94	153195	Plate 51	153300	Arm 19
152896	Cable 47	153196	Handwheel 10,51,53,72,73	153301	Arm 42
152897	Guide, Bail Lever 33	153198	Gear, 48T 53,72	153302	Blade, Stripper 42
152903	Modification Kit 54,55,56	153199	Gear, 51T 53,72	153303	Slide, Stripper 42
152913	Modification Kit 61	153200	Gear, 54T 53,72	153304	Bushing, Shoulder 4,84
152915	Modification Kit 3,64	153201	Gear, 57T 53,72	153305	Spring, Torsion 6
152917	Modification Kit 3,77	153202	Gear, 60T 53,72	153310	Bail 6
152927	Bushing 10,51,73	153203	Gear, 66T 53,72	153311	Arm 6
152937	Plate 10	153204	Gear, 72T 53,72	153312	Lever 4,84
152938	Spacer, .125" Thk 10, 51,73	153205	Gear, 78T 53,72	153314	Bracket 6,63
152943	Screw, 10-32 Spl 10,51,73	153206	Gear, 84T 53,72	153315	Bracket 37,69
152985	Bail 10,51	153207	Gear, 90T 53,72	153317	Bracket 8
153071	Slide 43	153208	thru	153318	Shaft 42
153073	Link 43	153217	Disc 53	153319	Codebar 37,69
153074	Link 43	153229	Bushing, Shoulder 64	153321	Bracket, Tie 37,59
153076	Bushing, Shoulder 61	153230	Bar, Line Feed 64	153322	Guide 42,61
153077	Bellcrank 61	153231	Bar, Line Feed 64	153323	Ring, Spacer 19
153078	Bushing, Shoulder 61	153233	Guide 64	153335	Plate 26
153079	Bushing, Bearing 61	153234	Lever 64	153337	Bushing 26,54
153080	Shaft 61	153235	Plate 18,64	153340	Spring, Left Torsion 26
153081	Lever 61	153236	Gear, 42T 18,64	153341	Spring, Right Torsion 26
153082	Lever 61	153237	Arm 64	153342	Screw, 6-40 x 15/16 Hex 56
153083	Bracket 61	153239	Roller 64	153343	Bushing, Eccentric 56
153084	Spacer, .260" Thk 43	153240	Retainer, Bearing 64	153345	Arm w/Stud 56
153139	Typebox Assembly, RJ 40	153241	Link 64	153346	Pawl 56
		153242	Bracket 64	153347	Bracket 56
				153350	Shaft 56
				153351	Clip, Stop 56

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
153352	Spring, Torsion 56	153554	Bracket w/Stud 12	153652	
153355	Bracket 56	153558	Link 11	thru	
153356	Arm 56	153560	Shaft 12	153667	Guide, Form 44,65
153358	Bracket w/Stud 56	153562	Shaft 12	153676	Bail, Detent 13,80
153359	Arm, Slide 54	153563	Bracket 62	153678	Bracket w/Shaft 13,89,97
153360	Stud 54	153564	Lever 62	153682	Bracket, Right 13
153361	Post 54	153565	Pin 7,62,67	153683	Bracket, Left 13,66
153364	Lever w/Bushing 54	153566	Bracket 7,59	153685	Arm w/Hub 13
153365	Arm, Cam 54	153569	Arm, Trip 8,21,79	153686	Bearing, Right 13
153367	Arm 21,54	153570	Arm, Suppression 8,59,79	153687	Bearing, Left 13
153368	Bail, Follower 21,54	153573	Bail 11,12,67	153689	Gear, 33T 13
153375	Arm, Slide 54	153574	Roller 12	153690	Gear, 28T 13
153378	Plate w/Pin 54,58	153575	Wick, Felt 7	153692	Gear, 33T 13
153379	Plate, Insulating 58	153576	Cam, Function 19	153695	Pin 13
153380	Bracket 52,58	153577	Washer, Felt 11	153696	Spring 13
153382	Bail, Transfer 6,7,54	153579	Bracket, Spring 12	153697	Bracket 13
153383	Arm, Bail Extension 6,54	153580	Cam 12	153698	Cam, Feed 13
153385	Plate 56	153581	Handle 42	153699	Cam, Feed 13,65
153386	Cable 58	153582	Screw, 6-40 Shoulder 6	153700	Hub, Platen 13
153387	Cable 52	153583	Lever, Trip 21	153721	Arm 65
153396	Plate 60	153584	Latchlever 21	153722	Arm 65
153409		153585	Clamp 12	153751	
thru		153586	Guide 4	thru	
153435	Bar, Function 48,49	153587	Guide 4,58	153767	Platen, Rubber 13
153436	Bar, Function 48,50	153588	Solenoid 7,62,67	153771	
153437	Bar, Function 48,50	153592	Cable 47	thru	
153438	Bar, Function 48,49	153593	Cable 47	153788	Guide, Bracket 65
153440	Bar, Function 48,49,78	153594	Cable Assembly 62	153794	Plate, Adjusting 13,94
153442	Screw, 10-32 x 1/2 Hex 11,75,76,80	153596	Fork w/Post 43	153795	Slide 43
153489	Detent 31	153598	Pawl, Function 44	153799	Screw, 4-40 x 21/64 Hex 13,18
153491	Plate 33	153600	Bracket, Spring 37,59	153800	Cam 36
153508	Typebox Assembly, RS 40	153601	Bushing, Shoulder 42	153806	Spring 21
153510	Typebox Assembly, RU 40	153602	Plate 42	153810	Guide, Ribbon 17
153513	Typebox Assembly, RW 40	153603	Nut, 6-40 Spl 38	153815	Clutch Assembly, Function 19
153514	Typebox Assembly, RV 40	153604	Pawl, Function 44	153817	Screw, 4-40 x 3/8 Hex 23,24
153516	Typebox Assembly, RZ 40	153605	Bracket 38	153819	Lockwasher 37
153518	Typebox Assembly 40	153606	Slide, Blocking 42	153820	Frame, Printing Carriage 39
153520		153608	Fork 43	153823	Collar 19
thru		153609	Roller 43	153824	Clamp 19
153528	Bar, Function 48,49	153610	Spindle, Paper 61	153830	Guide, Rear 93
153529	Bar, Function 49	153611	Disc, Paper Spindle 61	153838	Shaft 42
153530	Plate 16,17	153615	Lever 61	153839	Screw, 6-40 x 5/8 Hex 11,13,17,21,34,93
153531	Plate, Adjusting 17	153631	Network, Spark Suppression 87,88	153841	Screw, 6-40 x 9/16 Hex 15,94
153532	Screw, 4-40 Adjusting 17	153634	Collar 5,61	153883	Gear, 33T 20,74
153534	Washer, Flat 80	153643	Slide 43		
153538	Screw, 6-40 x 7/16 Hex 87,92	153644	Stud 43		
153550	Link 11	153645	Guideplate 43		
153553	Roller 11	153646	Bushing 43		
		153647	Plate 43		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
153884	Gear, 11T 74	154614	Cam, Spacing 20,54	155000	Cable 47
153894	Plate 54	154620	Wick, Lubricating 31	155021	Plate 53
153896	Bail, Latch 54	154621	Retainer, Wick 31	155037	Keylever Assembly 55
153897	Arm, Trip 54	154622	Lubricator 31	155041	Plate 6
153899	Bracket, Guard 56	154623	Ring, Retaining 22	155042	Bracket 6
153904	Modification Kit 31	154624	Ring w/Roller 22	155044	Spacer 19
153906	Modification Kit 6	154626	Ring 22,69	155047	Disc 19
153910	Modification Kit 2,61	154627	Drum, Spacing 22	155049	Cable 47
153911	Modification Kit 3,67,68	154638	Spring 39	155051	Cable Assembly 3,70
153912	Modification Kit 2,60	154639	Slide 43	155053	Connector, 12 Pt Plug 70
153914	Modification Kit 22	154642	Slide 43	155060	Slide, Stripper 42
153915	Modification Kit 86	154643	Typebox Assembly RV 40	155061	Blade, Stripper 42
153916	Modification Kit 86	154645	Spacer 11	155066	Cable 47
153917	Modification Kit 86	154646	Lever, Function 44	155067	Cable 47
153918	Modification Kit 86	154647	Lever, Function 44	155068	Bracket 60
153919	Modification Kit 63	154649	Arm 63	155069	Bracket 60
153927	Modification Kit 63	154650	Clip 37	155071	
thru		154666		thru	
153936	Modification Kit 53	thru		155077	Shaft 42
153945	Modification Kit 3,69	154669	Shaft 42	155081	Post, Spring 24
153946	Modification Kit 26	154670	Screw, 6-40 Spl 56	155090	Lubricator Assembly 31
153947	Modification Kit 23	154671	Bracket 55	155091	Lever, Trip 77
153949	Modification Kit 34	154672	Bracket, Clip Stop 56	155096	Plate, Range Finder 31
153950	Modification Kit 69	154673	Cable 4,47	155099	Screw, 6-40 Shoulder 42
153975	Cable 47	154688	Spring 11	155100	
154051	Screw, 6-40 Shoulder 51,73	154691	Clip 42	thru	
154127	Nut, 6-40 Hex 96	154692	Clip 42	155125	Bar, Function 48,49
154253	Stud 24	154694	Disc, Clutch Cam 18,19,92	155126	Bar, Function 48,50
154290	Ring, "O" 13,65	154698	Wick, Felt 54	155127	
154310	Spring 22	154723	Modification Kit 31	thru	
154320	Finger, Left Paper 13	154727	Modification Kit 2,58	155130	Bar, Function 48,49
154323	Cam, Eccentric 71	154742	Modification Kit 3,53,69,72	155131	Bar, Function 48,50,73
154324	Cam, Eccentric 71	154743	Modification Kit 2,57,84	155132	Bar, Function 48,49
154332	Shaft 35,36	154753	Modification Kit 3,70	155133	Bar, Function 48,50
154333	Roller 35,36	154755	Modification Kit 3,71	155134	Bar, Function 48,50,51,73
154334	Modification Kit 35,36	154760		155135	Bar, Function 50,56
154335	Screw, 6-40 x 9/32 Fil 8	thru		155141	
154349	Spring 32	154769	Modification Kit 72	thru	
154354	Slide 23	154770	Modification Kit 3,73	155145	Bar, Function 48,50
154356	Bail 17	154771	Modification Kit 73	155159	Bar, Function 48,49
154358	Hub, Platen 13,65,66	154777	Modification Kit 3,74,75	155176	
154362	Spring, Contact 52,83	154778	Modification Kit 2,52	thru	
154373	Shield, Oil 76	154780	Modification Kit 3,76	155180	Bar, Function 48,50
154380	Bracket w/Post 37,59	154785	Modification Kit 11	155191	
154389	Cam, Eccentric 24	154789	Modification Kit 3,71	thru	
154394	Post, Spring 37	154792	Modification Kit 3,93	155218	Bar, Function 48,49
154516	Ratchet 71	154798	Bracket 4,58,63	155219	Bar, Function 48,49
154519	Latchlever 13	154872	Connector, 2 Pt	155246	Bar, Function 48,50
154613	Latch 44,86	154873	Receptacle 70	155247	Bar, Function 48,50

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
152248		155721	Contact Assembly 52	155897	Finger, Right Paper 13,93
thru		155736	Lever, Function 44	155913	Block, Contact 46
152250	Bar, Function 48,49	155737	Lever, Function 44	155915	Plate, Contact 46
155286		155738	Bail, Blocking 44	155916	Plate, Contact 46
thru		155749	Cable 47	155917	
155290	Bar, Function 48,49	155750	Sleeve, 3/32 ID x 1/2"	thru	
155294	Bar, Function 48,49		Lg Insulating 9,42,52,74, 75,80,89,95,97	155925	Switch Assembly 46
155296		155751	Sleeve, 1/8 ID x 1" Lg	155933	Guideplate 43
thru			Insulating 9,34,42,52,62, 76,88	155934	Plate 43
155300	Bar, Function 48,49	155752	Sleeve, 5/64 ID x 1/2"	155935	Fork, w/Post 43
155306	Bar, Function 48,49		Lg Insulating 42	155936	Fork w/Post 43
155307	Bar, Function 48,49	155753	Sleeve, 1/8 ID x 1/2"	155937	Fork w/Post 43
155311			Lg Insulating 34,42,52	155939	Slide 43
thru		155754	Sleeve, 1/64 ID x 1/2"	155940	Slide 43
155315	Bar, Function 48,49		Lg Insulating 42,91	155941	Slide 43
155326		155755	Sleeve, 11/64 ID x 5/8"	155942	Slide 43
thru			Lg Insulating 42	155946	Slide 43
155330	Bar, Function 48,49	155756	Nut, 4-40 Spl 51	155948	Slide 43
155336		155757	Gear 28T 51	155954	Switch, Sensitive 4,84,95
thru		155758	Gear, 66T 53	156057	Washer, Flat 94
155340	Bar, Function 48,49	155759	Gear, 48T 53	156093	Washer, Felt 14,94
155366		155763	Modification Kit 2,51	156450	Screw, 2-56 x 1/2 Fil 10,52
thru		155765	Modification Kit 53	156501	Screw, 6-40 x 7/32 Fil 4,25
155370	Bar, Function 48,50	155767	Slide 43	156536	Screw, 4-40 x 1/8 Fil 31
155497	Typebox Assembly, XK 40	155784	Cable 47	156558	Washer, Felt 87,88
155565	Arm, Right 13,93	155788	Spring 76	156572	Washer, Felt 39
155566	Arm, Left 13,66,93	155789	Cable Assembly 76	156591	Washer, Felt 7
155581		155790	Contact Assembly 76	156632	Screw, 6-40 x 13/32 Hex 22,55
thru		155791	Link 76	156663	Bushing, Insulating 76
155584	Spacer 57	155792	Arm w/Stud 76	156740	Screw, 6-40 x 7/32 Hex 79,94
155586	Bracket 28	155793	Bracket, Mounting 76	156875	Screw, 6-40 x 5/32 Fil 94
155587	Link W/Stud 28	155795	Insulator, .031" Thk 76	156880	Jumper, 2-3/8" Black 34
155589	Plate w/Stud 28	155796	Shaft 28,76	156881	Jumper, 1-1/2" Black 34
155693	Typebox Assembly, WP 40	155797	Arm, Contact 76	156971	Screw, 2-56 x 3/4 Fil 89,97
155697	Typebox Assembly, WV 40	155798	Block, Terminal 76	157000	Typebox Assembly, WB 40
155699	Typebox Assembly, WX 40	155799	Terminal, Plate 76	157001	Typebox Assembly, WC 40
155701	Typebox Assembly, WY 40	155852	Arm w/Link 71	157002	Typebox Assembly, WD 40
155703	Typebox Assembly, XA 40	155853	Ratchet 71	157003	Typebox Assembly, WE 40
155704	Typebox Assembly, XC 40	155855	Pawl, Spacing 71	157004	Typebox Assembly, WF 40
155705	Typebox Assembly, XD 40	155856	Pawl, Spacing 71	157007	Typebox Assembly, WG 40
155706	Typebox Assembly, XE 40	155857	Retainer 71	157009	Typebox Assembly, WH 40
155707	Typebox Assembly, XF 40	155859	Screw, 4-40 Spl 70	157011	Typebox Assembly, WJ 40
155708	Typebox Assembly, XG 40	155860	Screw, 4-40 x 3/8 Rd 70	157013	Typebox Assembly, WK 40
155709	Typebox Assembly, XH 40	155861	Lockwasher 70	157015	Typebox Assembly, WL
155710	Typebox Assembly, XJ 40	155864	Shaft, Cam 11		
155713	Clip 44	155865	Stud 11		
155714	Bracket 52	155896	Finger, Left Paper 13,93		
155715	Stud 52				
155716	Plate w/Pin 54				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
157017	Typebox Assembly, WM 40	157254	Bracket 57	157856	Bracket 75
157018	Typebox Assembly, WN 40	157255	Block 57	157857	Spring, Flat 75
157030	Typebox Assembly, WT 40	157257	Block, Left Paper Spindle 57	157858	Extension, Armature 75
157031	Disc 68			157859	Shim, .006" Thk 75
157032	Disc 68	157258	Bar w/Post 42	157861	Lever, Start 75
157033	Plate, Cam 68	157259	Relay 75	157862	Bracket, Guide 75
157034	Lever, Trip 68	157261	Shaft, Stop Arm 31	157863	Lever 75
157035	Lever, Trip 68	157262	Bracket, Double Connector 58	157865	Plate 9,74
157037	Spacer 68			157866	Bracket 9,74
157038	Plate, Mounting 67	157263	Cable 75	157867	Screw, 4-40 Pilot 9,74
157039	Clip, Spring 67	157264	Cable 75	157868	Armature 74
157040	Bracket 67	157265	Cable 74	157869	Spacer, .824" Thk 9,74
157041	Bail 67	157269	Cable 47	157870	Armature 74
157042	Bracket 67	157271	Bracket 34	157871	Bracket 9,74
157043	Bracket, Adjusting 67	157272	Insulator, .062" Thk 34,58	157873	Lever 74
157044	Link 67			157875	Bracket 9,74
157045	Cable 67	157273	Connector, 35 Pt Plug 34, 47,58	157876	Bracket 9,74
157046	Bar 61			157877	Bracket 9,74
157047	Lever 8,59	157274	Clip 42	157884	Block, Contact 46
157048	Lever 59	157275	Clip, Spring 42	157887	Arm, NO Contact 45,46
157049	Pin 8,59	157286	Clamp, Platen 13	157889	Spring, NO Contact 46
157070		157289	Crossbar 5	157890	
thru		157290	Bail, Pressure 5	thru	
157100	Cable 46	157291	Guide, Rear Paper 5	157893	Plate, Contact 46
157101		157311	Wick, Felt 75	157899	Arm, NC Contact 45,46
thru		157398	Bar w/Post 42	157948	Keylever Assembly 51,73
157106	Cable 47	157505	Clutch Assembly, Spacing 20	157972	Bellcrank 24,82
157151	Bracket 63			157973	Extension, Transfer 82
157163	Spring, Compression 67	157506	Clutch Assembly, Line Feed 18	157975	Cable 47
157164	Slide 43			157979	Link, Toggle 36
157191	Bar, Line Feed 69	157508	Modification Kit 54,55	157990	Bracket w/Bearing 6
157192	Eccentric 69	157509	Modification Kit 2,59	157991	Stud 6
157193	Gear, 44T 69	157510	Modification Kit 3,77	158186	Screw, 4-40 x 7/32 Fil 90
157194	Retainer, Spring 34	157511	Modification Kit 3,64	158314	Bracket w/Stud 4,84
157198	Bail, Detent 69	157513	Modification Kit 51	158315	Follower, Bellcrank 4,84
157200	Spring 44,51,56,73	157514	Modification Kit 3,82	158316	Plate, Nut 4,84
157205	Lever, Function 44	157515	Modification Kit 56	158317	Insulator, Switch 4,84,95
157206	Lever, Function 44	157530	Modification Kit 51	158318	Cable 84,95
157207	Lever, Function 44	157843	Cam 74	158334	Spring, Tension 55
157237	Shield, Terminal 34	157844	Plate, Spacer 74	158335	Stud 24,55
157238	Spring 40,51,55,78	157845	Plate 74	158337	Plate w/Pin 55
157240	Spring 44,51,56,73,78,86	157846	Spacer, Shoulder 74	158339	Arm w/Pin 55
157241	Bracket, Roller 11	157847	Bracket, Spring 43	158340	Bracket, Stop 55
157243	Plate 43	157849	Lever 43	158341	Plate, Stop 55,72
157246	Bracket 42	157850	Lever 43	158342	Arm 55
157247	Bar w/Post 42	157851	Plate, Spring 43	158343	Bracket, Spring 55
157251	Arm w/Pin 57	157852	Arm 43	158344	Nut, 6-40 Shoulder 55
157252	Bushing 57	157854	Plate 43	158346	Lever w/Hub 55
157253	Lever 57	157855	Guideplate 43	158347	Bracket 55

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
158349	Arm, Slide 54	160572	Side, Stripper 42	161686	Tool, Tine 48
158351	Pawl w/Stud 55	160573	Blade, Stripper 42	161767	Modification Kit 53
158352	Bail, Trip 21	160574	Arm w/Stud 73	161769	Typebox Assembly, XW 40
158353	Bail, Stop 21	160576	Slide, Stripper 42,73	162056	Typebox Assembly, XZ 40
158354	Arm, Extension 21	160577	Blade, Stripper 42,73	162058	Typebox Assembly, YA 40
158357	Wheel, Horizontal Tab 55	160578	Sleeve, Pinion 73	162059	Lever, Function 44
158365	Blade, Reset 11	160584	Shield, Insulating 75	162298	Slide 43
158398	Keytop, Plastic 55	160585	Shield, Insulating 75	162484	Lever, Function 44
158447	Keylever Assembly 73	160586	Spring, Contact 75	162488	Modification Kit 28
158485	Bracket, Left 93	160587	Spring, Contact 75	162539	Typebox Assembly, YB 40
158486	Bracket, Right 93	160589	Contact Assembly 75	162573	Retainer 18
158487	Shaft 93	160650	Cable 47	162605	Typebox Assembly, YF 40
159181	Lubircator 32	160755	Typebox Assembly, XM 40	162636	
159184	Wick, Lubricating 32	160843	Spring 21	thru	
159185	Retainer, Wick 32	160844	Typebox Assembly, XN 40	162640	Bar, Function 48,49
159204	Connector, 2 Pt Plug 9	160886	Modification Kit 2,60	162728	Arm 73
159334	Washer, Insulating 7	160937	Bail 60	162729	Bar, Guide 6,10,63,67,73,77,78
159341	Bearing, Ball 15,19	160938	Arm, Slide 60		
159356	Modification Kit 13	160939	Post, Spring 60	162847	Modification Kit 51
159362	Modification Kit 2,57	160940	Post 60	163146	Modification Kit 3,83,91
159366	Modification Kit 3,4,84	160994	Pad, Top Middle Door 26	163147	Contact Assembly 83
159395	Modification Kit 3,71	160999	Typebox Assembly, XP 40	163148	Shaft 83
159571	Stiffener 80	161081	Typebox Assembly, YG 40	163150	Collar 83
159597	Washer, Flat 7	161082	Cable 47	163152	Cam w/Stud 83
160180	Armature w/Extension 34	161134	Bracket, Spring 37	163153	Cam, Trip 83
160182	Bracket w/Button 34	161138	Retainer 71	163157	Cam, Drive 83
160184	Plate, Stop 34	161140	Modification Kit 53	163158	Bracket w/Hub 83
160186	Bushing, Shoulder 34	161250	Gear, 88T 53,72	163159	Lever 83
160192		161260	Disc 53	163162	Cable 47
thru		161269	Arm, L.F. Slide 78	163180	Modification Kit 54,55
160220	Switch Assembly 46	161270	Arm, Reverse L.F. Slide 78	163181	Wheel, Horizontal Tab 55
160486	Bail 73			163182	Bracket, Stop 55
160490	Pawl 73	161271	Link 78	163183	Modification Kit 3,79
160491	Plate w/Stud 73	161272	Bracket w/Stud 78	163184	Bracket, Magnet 79
160493	Plate, Adjusting 73	161273	Bracket w/Stud 78	163185	Armature 79
160495	Plate w/Stud 73	161278	Lever 78	163250	Pin 8,79
160498	Plate, Mounting 73	161279	Spring, Torsion 78	163254	Magnet Assembly 79
160500	Lever, Blocking 73	161280	Modification Kit 3,78	163271	Lever, Function 44
160502	Slide, Form Out 73	161342	Lever, Start 31	163292	Modification Kit 3,71
160503	Slide, Tab 73	161346	Washer, Felt 35,36,87,88	163294	Ratchet, 81T 71
160505		161347	Washer, Felt 9,11,12,24,26,27,67	163295	Typebox Assembly, YC 40
thru				163459	Gear, 66T 18
160514	Disc, Retaining 72	161362	Typebox Assembly, XR 40	163503	Gear, 26T 18
160523	Plate, Mounting 80	161363	Typebox Assembly, XS 40	163535	Modification Kit 3,73,80
160527		161364	Typebox Assembly, XT 40	163590	Gear, 60T 18
thru		161365	Typebox Assembly, XU 40	163943	Lever w/Pin, Function 44
160536	Spring 72	161491	Pawl, Feed 71	163944	Lever, Function 44
160568	Contact Assembly 80	161492	Pawl, Feed 71	163947	Modification Kit 3,80
160569	Bracket 80	161649	Lever, Function 44	163948	Gear, 28T 80,96

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
163949	Bushing 64,80,96	170025	Bracket w/Stud 29	170142	Arm, Suppression 21,59
163951	Gear w/Shaft, 28T 80	170026	Bellcrank w/Bushing 29	170143	Stud, Bearing 7
163954	Handwheel 80	170027	Bellcrank 29	170144	Bail 7
163955	Arm w/Hub & Stud 80	170028	Link 29	170145	Cam 19
163956	Lever 80	170039	Bellcrank w/Posts 25	170146	Bail w/Hub 7
163957	Lever 80,96	170042	Bail w/Bushing 7	170164	Typebox Assembly, TA 40
163958	Washer, Flat 80,96	170054	Arm w/Post 25	170194	Washer, Spring 19
163959	Spring, Torsion 80,96	170056	Plate w/Stud 25	170198	Arm, Stop 32
163960	Bushing 64,80,96	170057	Bearing 25	170230	Knob 32
163968	Cable 47	170058	Nut, 10-32 Shoulder Hex 25	170231	Guide, Upper 32
164270	Modification Kit 3,81	170059	Pawl, Drive 25	170232	Guide, Lower 32
164300	Spacer, .100" Thk 92	170060	Plate, Guide 25	170233	Stud 32
164311	Lever, Function 44	170062	Bail 24	170234	Bracket, Guide 32
164313	Bracket 39	170063	Lever 24	170235	Bracket, Spring 32
164314	Plate 23	170064	Link, Drive 25	170236	Lever 32
164316	Plate, Clamp 23	170066	Codebar 37	170237	Lever, Start 32
164348	Typebox Assembly, YK 40	170067	Washer, Spacing 19	170238	Bail, Reset 32
164386	Bracket, Magnet 34,92	170071	Clutch Assembly, Codebar 19	170282	Nut, 6-40 Hex 25,89,97
164476	Modification Kit 2,52			171671	Connector, Blue Insulated 91
164477	Cable 52	170074	Arm 7		
164478	Contact Assembly 52	170075	Roller 7	172181	Modification Kit 3,82
164498	Typebox Assembly, YL 40	170076	Pawl 7	172190	Bracket 82
164572	Plate, Mounting 81	170079	Arm w/Hub 26	172226	Rod, Copy Holder 82
164573	Rod 81,85	170080	Stud 22	172500	
164574	Bracket, Right 81	170082	Cable w/Terminals 34	thru	
164575	Bracket, Left 81	170110	Cam, Selector 19	172536	Switch Assembly 45
164576	Rod 81	170111	Shaft 19	172538	
164577	Bracket 81,85	170112	Guide 29	thru	
164586	Typebox Assembly, YE 40	170113	Arm 29	172590	Switch Assembly 45
164594	Cable 47	170115	Lever, No. 7 Transfer 29	172591	Spring, Contact Arm 45
164600	Holder, Paper 81	170116	Lever, No. 0 Transfer 29	172593	Plate, Contact 45
164740	Rack, Range Finder 92	170117	Bracket 29	172594	Plate, Contact 45
164743	Shaft 92	170118	Bracket 28,29	172595	Plate, Contact 45
164958	Screw, 4-40 x 1/2 Hex 79	170119	Lever 29	172596	Plate, Contact 45
164960	Insulator, .015" Thk 79	170120	Lever 29	172597	Block, Contact 45
165217	Jumper, 1-1/2" Green 89, 97	170121	Shaft 29	172598	Cam, Eccentric 71
		170122	Lever 29	172599	Block, Contact 45
170000	Frame, Right Side 4	170123	Bracket, Retaining 28	172600	
170001	Housing, Bearing 17	170124	Lubricator Assembly 32	thru	
170002	Bracket w/Bushing 7	170125	Lever, Shoe Release 19	172608	Switch Assembly 45
170003	Post, Anchor 7	170128	Clutch Assembly, Selector Cam 19	172618	Plate, Contact 45
170004	Bracket w/Bushing 7			172619	Plate, Contact 45
170018	Bushing 21	170133	Link 7	172620	Cam, Eccentric 71
170019	Latchlever 21	170134	Plate 7	172632	Screw, 4-40 x 3/16 Hex 92
170020	Arm, Clamp 21	170135	Bracket 7	172723	Typebox Assembly, YM 40
170021	Shaft 21	170136	Shaft 7	172816	Cable w/Terminals 94
170022	Arm, Cam 22	170137	Bail w/Post 7	172909	Sprocket 94
170023	Bearing 29,52	170139	Bail 7	172911	Latchlever 94
170024	Bracket 29	170140	Stud 7	172915	Lever, Switch Actuating 94

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
172916	Pawl w/Bushing 94	174393	Bracket w/Posts 90	176909	Frame, Left Side 4
172918	Bar, Line Feed 94	174394	Yoke 90	176910	Frame, Right Side 4
172921	Plate, Mounting 94	174395	Bracket 90	176911	
172922	Post, Upper Mounting 94	174397	Bushing 90	thru	
172923	Post, Sprocket Mounting 94	174398	Spring, Contact 90	176914	Guide w/Pins, Paper 66
172924	Lever, Reset 94	174399	Spring, Contact 90	176918	Shaft 19
172926	Lever, Ratchet Release 94	174400	Contact Assembly 90	177044	Template 80,96
173012	Insulator 94	174401	Insulator, .015" Thk 90	177081	Gear 68T 10
173141	Lever, Function 44	174402	Spring, Compression 90	177082	Disc 10
173282	Bail w/Post 59	174403	Strip, Terminal 90	177083	Yoke 8
173283	Modification Kit 2,59	174441	Lever w/Bushing 92	177084	Lever 10
173284	Locklever 26	174442	Contact Assembly 92	177089	Typebox Assembly, YR 4C
173450	Cable w/Terminals 34	174444	Spring, Contact 92	178141	Modification Kit 2,52
173578	Connector, 50 Pt Receptacle Type 40	174445	Bracket, Contact Mounting 92	178185	Bracket w/Studs 10
173698	Cable Assembly 34,47	174446	Spring, Contact 92	178187	Disc 10
173715	Terminal, Plug Type 88, 89,97	174447	Post 92	178188	Lever 8
173803	Box Assembly, YD Pallet 40	174448	Guard 92	178189	Armature 8
173882	Stud 8,79,91	174449	Bracket 92	178190	Extension, Armature 8
173883	Bracket, Mounting 8,79,91	174450	Cam 92	178301	Modification Kit 3,80
173884	Plate, Mounting 91	174452	Spacer, .085" Thk 92	178302	Bracket, Mounting 80
173885	Bracket, Mounting 91	174479	Slide 43	178303	Guard, Contact Spring 80
173886	Contact Assembly 91	174480	Slide 43	178304	Contact Assembly 80
173887	Post, Pivot 91	174482	Lever 44	178358	Modification Kit 8
173889	Post, Spring 91	174483	Lever 44	178359	Bracket 8
173890	Pin, Stop 91	174484	Lever 44	178414	Connector, 24 Pt Receptacle 91
173891	Bellcrank 91	174570	Switch 89,97	178551	
173892	Spring 91	176181		thru	
173902	Spring, Compression 91	thru		178567	Guide, Form 66
173903	Bracket 91	176197	Modification Kit 65	178568	
173940	Terminal, Plug Type 88, 97	176221		thru	
173941	Terminal, Receptacle Type 88	thru		178584	Modification Kit 66
174043	Modification Kit 3,90	176237	Platen, Rubber 65,66	178600	Cover 91
174086	Typebox Assembly, TB 40	176238	Platen, Rubber 65	178607	Stud, Cam Follower 7
174383	Guide 90	176246	Bail, Blocking 44	178724	Typebox Assembly, YS 40
174384	Guide 90	176247	Bail, Blocking 44	178764	Gear, 26T 18
174385	Bracket 90	176285	Bail, Pressure 93	178809	Typebox Assembly, YT 40
174386	Knife 90	176299	Screw, 6-40 Shoulder 79,91	178852	Typebox Assembly, YU 40
174387	Finger, Paper 90	176420	Modification Kit 3,92	179057	Typebox Assembly, YV 4C
174388	Lever w/Hub 90	176471	Cable w/Terminals 90	179194	Bracket 73
174389	Lever w/Hub 90	176472	Cable w/Terminals 90	179198	Lever 64
174390	Bracket w/Posts 90	176477	Plate 93	179199	Lever 96
174391	Screw, 2-56 Shoulder 90	176569	Modification Kit 73	179216	Arm, Right Side 23
174392	Armature 90	176598	Bellcrank 64	179217	Arm, Left Side 23
		176642	Clip, Spring 42	179224	Slide Assembly 23
		176651	Typebox Assembly, YP 40	179225	Bail w/Studs 26
		176695	Cable 52	179226	Screw, 4-40 Shoulder 23
		176704	Spring, Torsion 60	179235	Bracket, Right Mounting 85
		176821	Modification Kit 2,52		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
179236	Bracket, Left Mounting 85	179782	Screw, 6.40 x 7/8 Hex-9	194152	Plate, Clamp 18
179237	Clamp, Left 85	179802	Cover 83	194155	Set of Parts 13
179238	Clamp, Right 85	179814	Typebox Assembly, TD 40	194324	Modification Kit 3,4,84, 95
179239	Bracket, Right Mounting 85	179873	Screw, 3-48 x 5/8 Fil 61	194325	Bracket w/Post 95
179240	Bracket, Left Mounting 85	179989	Cable 80	194326	Bracket, Switch 95
179241	Rack, Copy Display 85	179994	Guard, Contact Spring 80	194327	Lever 95
179301	Guideplate, Paper 85	179999	Bail, Spring 35,36,87,88	194371	Guide 95
179303	Post 85	180860	Spring 21,73	194414	Lever 44
179309	Finger, Left Paper 85	181284	Spring 18,19	194929	Typebox Assembly, AE 40
179310	Finger, Right Paper 85	182909	Spring 32	194995	Modification Kit 3,89
179366	Shaft 85	183104	Spring 15,17	194998	Plate, Mounting 89,97
179368	Roller, Paper Guide 85	192321	Stud 25	194999	Cable Assembly 89,97
179369	Modification Kit 3,85	192322	Spring, Compression 25	195000	Lever, Operating 89,97
179377	Post 85	192323	Spring 23	195001	Insulator, .032" Thk 89, 97
179396	Plate, Front Typebox 40	192493	Spring 32	195009	Typebox Assembly AF 40
179397	Plate, Rear Typebox 40	192518	Codebar, Suppression 37	195016	Pawl Assembly 44
179451	Plate, Right 26	192560	Slide 25	195054	Stud 7
179452	Plate, Left 26	192561	Bar w/Hub 25	195057	Guard, Contact Spring 80
179481	Slide 43	192563	Bracket w/Stud 25	195061	Switch, DT-SP 94
179666	Typebox Assembly, YW 40	192566	Link, Left Drive 26,91	195062	Arm, Stop 94
179675	Bracket 88	192567	Link, Right Drive 26	195109	Plate, Stop 42
179676	Lever, Left Guide 88	192575	Link, Right 23	195150	Lever, Reversing 88
179677	Shaft, Ribbon Spool 87,88	192576	Link, Left 23	195218	Typebox Assembly, AG 40
179678	Lever 87,88	192580	Cam 19	195240	Post 34
179680	Bail, Left Lifter 88	192610	Arm, Slide 60	195251	Armature, Selector 34
179681	Post 87,88	192616	Lever 73	195266	Modification Kit 42
179682	Bail, Left Roller 88	192617	Lever, Blocking 73	195461	Typebox Assembly, AH 40
179684	Lever 87,88	192704	Disc, Retaining 72	195634	Modification Kit 34
179686	Bracket, Right 87	192706	Modification Kit 72	195855	Pin, Sprocket Feed 13,65
179687	Lever, Right Guide 87	192707	Bail Assembly, Function 11	195980	Spring 44
179689	Bracket, Left 88	192985	Spring, Contact 80	195996	Gear, 63T 18
179690	Plate 88	192986	Spring, Contact 80	197713	Typebox Assembly, AK 40
179691	Bracket, Left 88	192988	Spring, Contact 80	197729	Disc 53
179692	Spacer 87,88	192997	Bracket 88	197730	Disc 53
179693	Bail, Right Litter 87	193564	Spring, Contact 83	197731	Gear, 68T 53,72
179694	Bail, Right Roller 87	193655	Lever, Function 44	197732	Gear, 104T 53,72
179695	Bracket, Left Magnet 88	193803	Typebox Assembly, AB 40	197733	Disc, Retaining 72
179696	Bracket, Left Hinge 88	193858	Frame, Left Side 4	197734	Disc, Retaining 72
179697	Lever, Left Stop 88	193937	Plate, Shift 43	197735	Gear, 44T 53,72
179698	Armature 87,88	193938	Slide, Blocking 42	197736	Gear, 34T 53,72
179699	Shaft 87,88	194026	Typebox Assembly, AC 40	197737	Gear, 40T 53,72
179700	Bracket, Right Hinge 87	194027	Typebox Assembly, AD 40	197840	Gear, 31T 53,72
179701	Lever, Right Stop 87	194052	Plate, Form Stop 72	197847	Modification Kit 53
179702	Bracket, Right Magnet 87	194054	Modification Kit 40	197848	Modification Kit 53
179703	Bracket 87	194092	Modification Kit 3,94	197849	Modification Kit 72
179704	Shaft, Right 87	194093	Modification Kit 2,60	197850	Modification Kit 72
179708	Plate, Adjusting 87	194144	Clutch Assembly, Spacing 18	197857	Gear, 34T 96
179718	Cable 88				
179724	Modification Kit 3,87,88	194148	Stud 95		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
197958	Gear w/Shaft, 37T 96	304772	thru	306098	Wire, Guide 97
197996	Roller, Front 87,88	304775	Guide, Paper 65	306755	Locklever, Marking 31
197998	Cable 80	304778	Bail w/Wire 89	307065	Modification Kit 3,96
198394	Modification Kit 3,91	304779	Bail w/Wire 89	307285	Plate, Mounting 94
198655	Cable Assembly 91	305022	Shaft 65	307289	Lever 64,96
198656	Cable Assembly 91	305023	Lock, Shaft 65	309529	Washer, Clamp 9
199245	Modification Kit 3,89	305024	Arm, Right 65	310733	Modification Kit 65
199410	Arm 26	305025	Retainer, Platen Hub 65	311456	Modification Kit 3,89,97
199437	Cam 18	305026	Hub, Right Platen 65	311457	Bracket, Bail 97
199438	Hub 18	305027	Arm, Right 65	312980	Bail, Right 97
199439	Bearing 18	305028	Guide, Paper 65	312981	Bail, Left 97
199440	Screw, 6-40 x 5/8 Fil 18,19	305031	Gear w/Shaft, 28T 96	312991	Plate, Nut 94
199518	Bar, Function 49	305033	Handwheel 96	319529	Slide 43
199519	Bar, Function 49	305034	Arm w/Hub 96	320408	Terminal, Spade Type 34
199529	Cam, 33T Restoring 94	305035	Modification Kit 3,80,96	320410	Terminal, Spade Type 34, 91,95
199655	Bracket, Left 94	305036	Modification Kit 3,96	320416	Terminal, Ring Type 94
199656	Guide, Left Paper 94	305059	Guide, 6-1/2" Form 65	319529	Slide 43
199657	Guide, Right Paper 94	305071	Gear, 112T 72	326007	Plate, Clamp 13
199898	Typebox Assembly, AL 40	305075	Disc, Retainer 72	336820	Box Assembly, Pallet 40
304360	Pawl, Check 94	305079	Modification Kit 72	343754	Cable Assembly 88
304361	Ratchet 94	305541	Slide, Stripper 42	343755	Modification Kit 3,87,88
304374	Spring, Torsion 94	305687	Stud 44	343938	Arm, Slide 6
304395	Spring 23	305769	Bracket 9	343939	Bracket, Spring 6
304396	Plate, Stop 96	305773	Cable Assembly 9	344287	Set of Parts 6
304463	Slide, Stripper 42	305776	Armature 9	344958	Spring 39
304464	Blade w/Stud 42	305778	Lever, Shift 9	344974	Modification Kit 3,87,88
304465	Blade, Stripper 42	305779	Bellcrank 9	344975	Cable Assembly 88
304740	Head, Print Hammer 39	306058	Armature Assembly 9	345608	Set of Parts 34

28. AUTOMATIC SEND-RECEIVE KEYBOARD (LAK)

PARTS

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
1	Keyboard Base Parts	3	26	174410 Contact Box Assembly w/RF Suppression - Polar Transmission (Shielded Signal Lines)	25
2	Keyboard Base Parts	4	27	Code Bar Extension Basket Mechanism	26
3	326727 and 326730 Intermediate Gear Assemblies	5	28	Cam Follower Mechanism and Margin Indicator Assemblies	27
4	154224 and 164234 Intermediate Gear Assemblies (Early Design)	6	29	Auxiliary Switch Mechanism	28
5	144770 Intermediate Gear Assembly (Noise Reduction)	6	30	Keyboard Switch Assemblies	29
6	Bearing Bracket Mechanism (Early Design)	7	31	144708 (Function Magnet Contact) and 144710 (Code Reading Contacts) Modification Kits	30
7	144749 and 305634 Bearing Bracket Assemblies	8	32	144997 Figures - Letters Contact Assembly	31
8	Function Bail Mechanism	9	33	158007, 170349 and 176709 Tape Container Assemblies	32
9	Local Reverse Line Feed Mechanism (8 Level)	10	34	158009 (Two Wire) Tape-out Switch Assembly	33
10	154146 Modification Kit to Provide Local Backspace Mechanism (5 Level)	10	35	163531 (Three Wire) and 311438 (Two Wire) Tape-out Switch Assemblies	33
11	Keylever Guide Plates	11	36	155990 Character Counter Assembly	34
12	Keylever Guide Plates (Continued)	12	37	178346 Modification Kit to Equip Keyboard with Answer-Back Control	35
13	Keyboard Mechanism	13	38	164659 (100 MA), 194425 (50 MA) and 198350 (50 MA) Modification Kits to Provide Synchronous Pulsed Transmission	36
14	Keyboard Top Plates and Panel Assemblies	14	39	154147 Modification Kit to Provide Local Paper Feed-out Motor Starting Mechanism	37
15	Keyboard Hood and Mounting Parts	15	40	154141 Modification Kit to Provide Electrical Signal Line Break Mechanism	37
16	Code Bar Mechanism (5 Level)	16	41	176405 Modification Kit to Add Tape Backspace Button	38
17	Code Bar Mechanism (6 and 8 Level)	17	42	163775 Modification Kit to Provide Repeat on Space Mechanism	38
18	Contact Assemblies	18	43	154142 and 162731 Modification Kits to provide Keyboard with Time Delay Mechanism	39
19	154151 and 170332 Universal Bail Assemblies	19	44	164502 (End of Message Generator) and 172945 (Answer-Back) Modification Kits - See Figs. 45, 46 and 47	40
20	154152 (5 Level), 170331 (6 and 8 Level) and 192550 (5 Level) Lock Bar Assemblies	19			
21	Signal Generator Frame Mechanism	20			
22	Signal Generator Shaft Assemblies	21			
23	Signal Generator Front Plate Mechanism	22			
24	Signal Generator Rear Plate Mechanism	23			
25	154165 (w/Arc Suppression) 154225 (w/RF Suppression) - Neutral Transmission and 162892 (w/RF Suppression - Polar Transmission) Contact Box Assemblies	24			

SECTION 573-117-800TC

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
45	164502 (End of Message Generator) and 172945 (Answer-Back) Modification Kits - See Figs. 44, 46 and 47	41	52	195154 and 317202 (60-67-100 WPM, 7.42 Unit Code) and 311676 and 317349 (65-71-107 WPM, 7.00 Unit Code) Modification Kits to Add Three Speed Gear Shift to Keyboard	47
46	164500 Resistor Assembly (Part of 164502 Modification Kit - See Figs. 44 and 45)	42	53	149896 and 154145 Modification Kits to Provide Local Reverse Line Feed Mechanism (Mark III)	48
47	172948 Resistor Assembly (Part of 172945 Modification Kit - See Figs. 44 and 45)	42	54	309511 Modification Kit to Provide Universal Keyboard Switch on (Mark III) Keyboards	48
48	164426 Modification Kit to Add Horizontal Tab Disabler	43	55	Gear Sets	49
49	Coding the Keyboard Answer-Back Drum Blade	44	56	Keyboard Cable Components	50
50	176395 Modification Kit to Provide Lock Bar Reset to Answer-Back	45	57	Time Delay Reset Mechanism	51
51	Remote Control Speed Shift Gear Mechanism (60-100 WPM, 7.42 Unit Code)	46	58	Character Counter Stepping Switch	51
			59	Tape Container Control Components	52
			60	199070 Contact Box Assembly	53
				Numerical Index	54

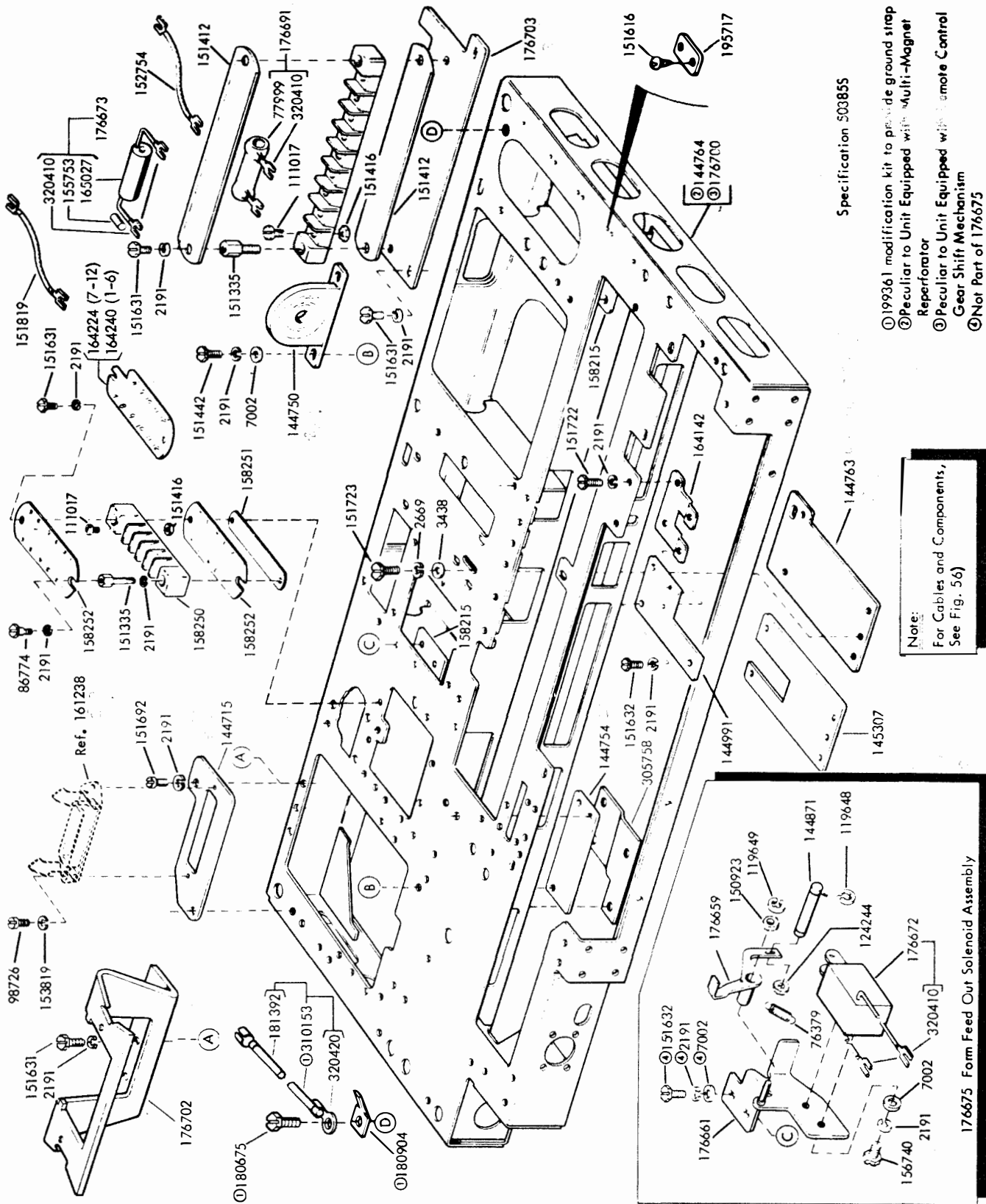
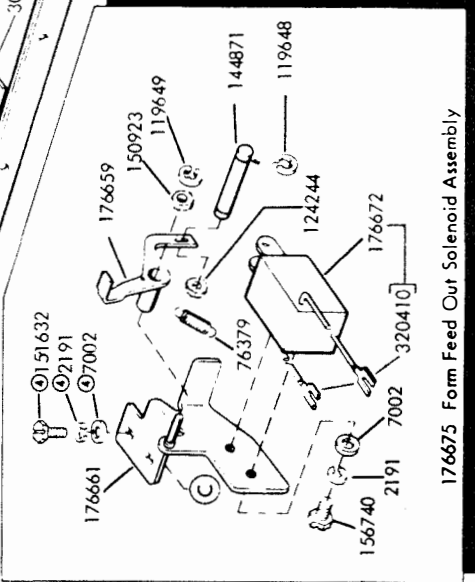


FIGURE 2. KEYBOARD BASE PARTS

Specification 503855

- ① 199361 modification kit to provide ground strap
- ② Peculiar to Unit Equipped with Multi-Magnet Reperator
- ③ Peculiar to Unit Equipped with Remote Control Gear Shift Mechanism
- ④ Not Part of 176675

Note:
For Cables and Components,
See Fig. 56



176675 Form Feed Out Solenoid Assembly

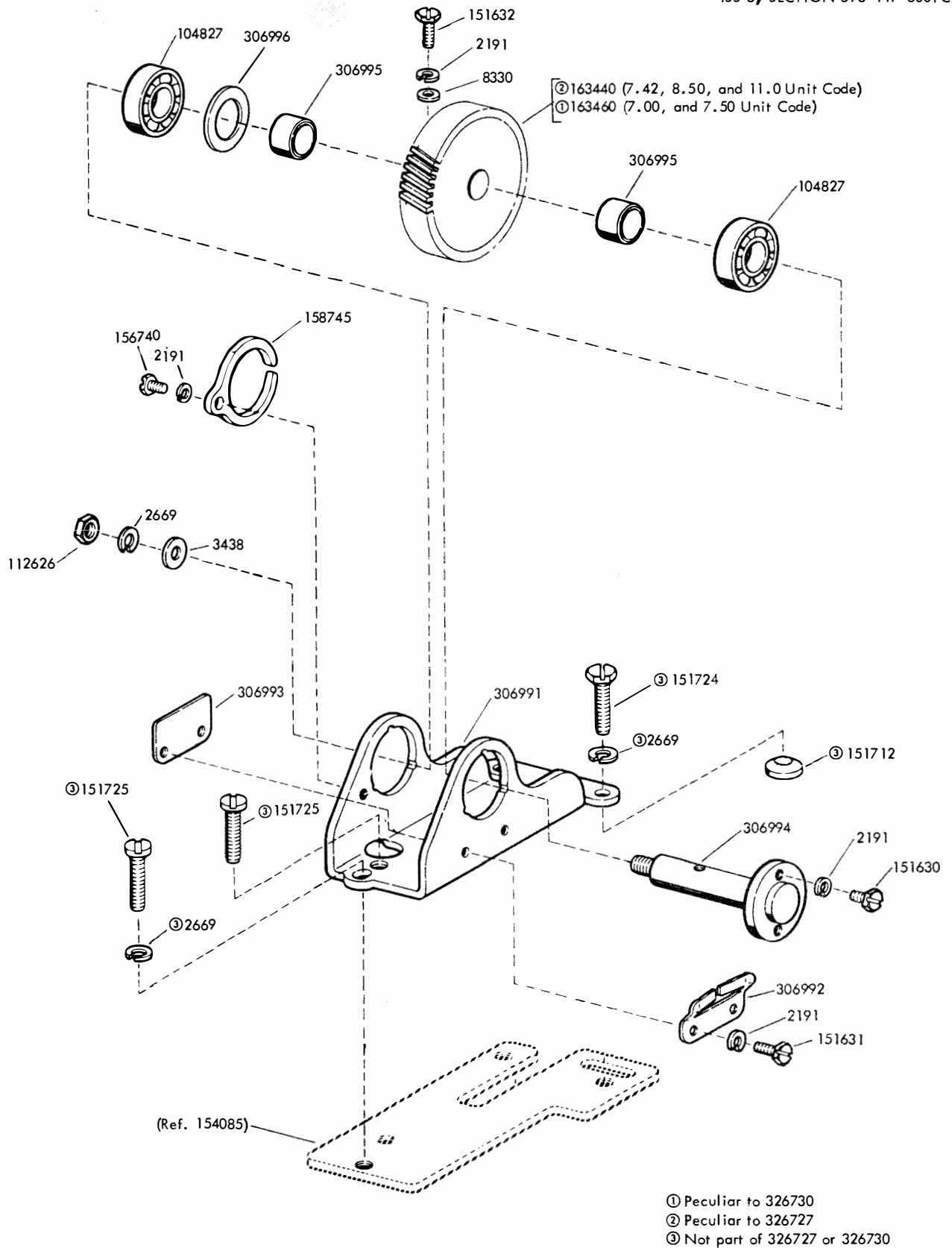


FIGURE 3. 326727 AND 326730 INTERMEDIATE GEAR ASSEMBLY

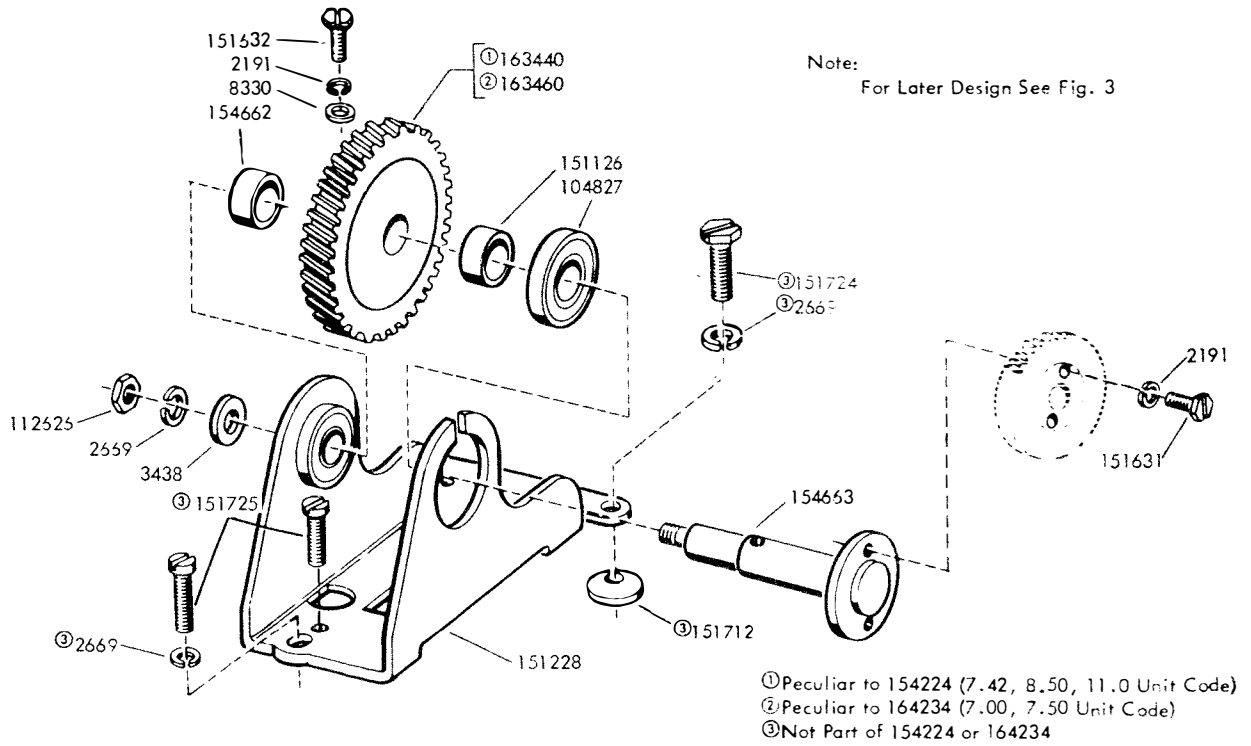


FIGURE 4. 154224 AND 164234 INTERMEDIATE GEAR ASSEMBLIES (EARLY DESIGN)

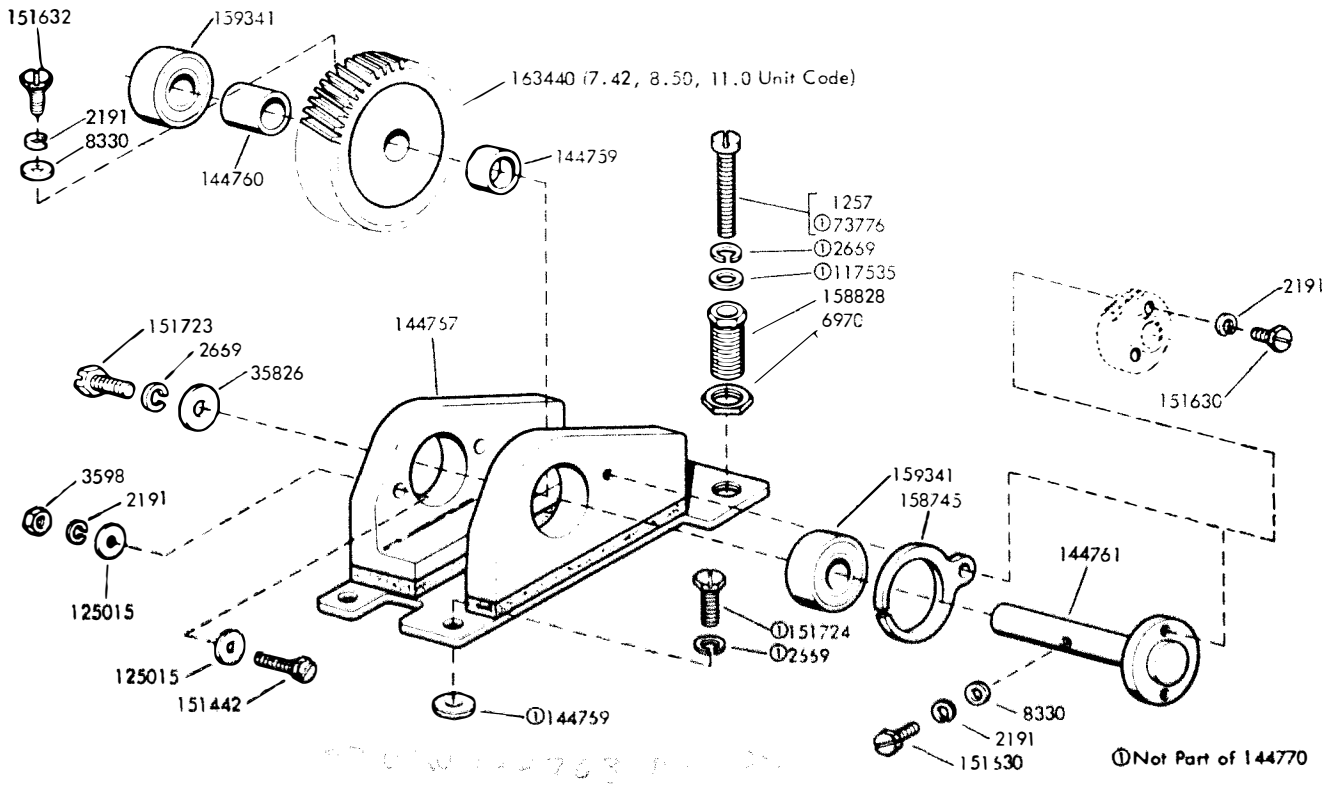


FIGURE 5. 144770 INTERMEDIATE GEAR ASSEMBLY (NOISE REDUCTION)

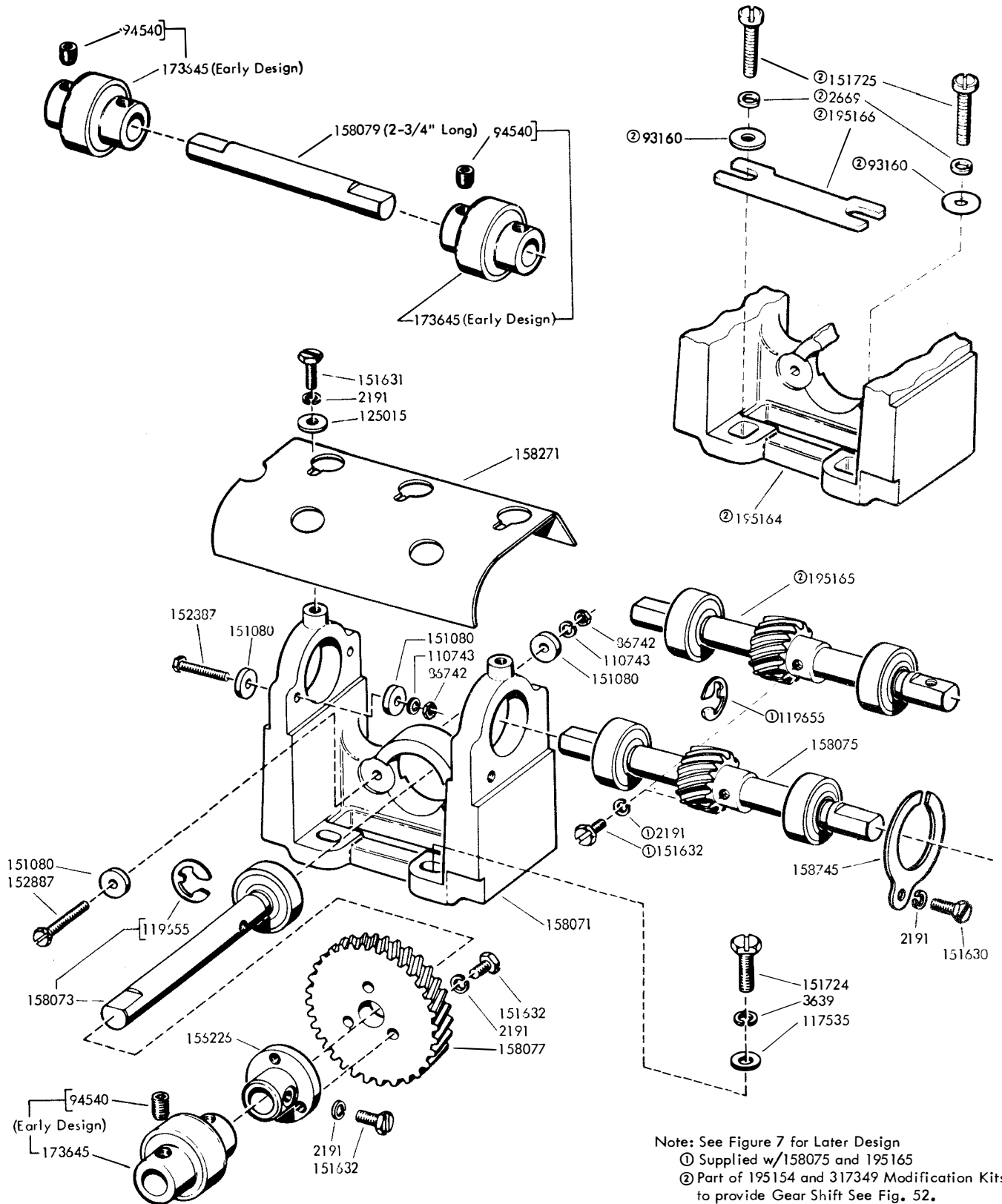
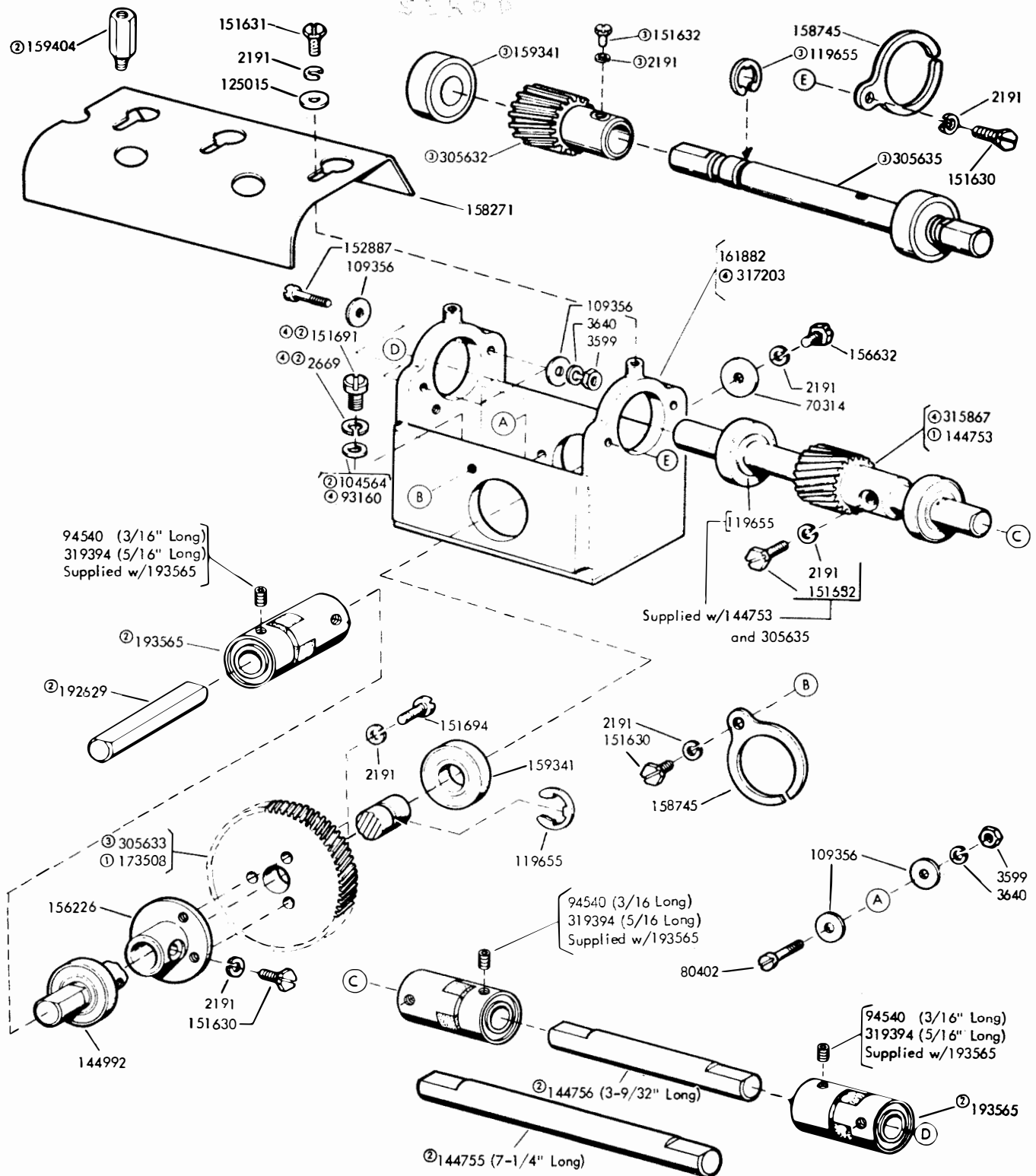


FIGURE 6. BEARING BRACKET MECHANISM (EARLY DESIGN)



- ① 144749 for units operating on 60 Hertz current (motor speed 3600 rpm)
- ② Not part of 144749 and 305634 Bearing Bracket Assemblies
- ③ 305634 for units operating on 50 Hertz current (motor speed 3000 rpm)
- ④ Part of 311676 and 317202 Modification Kits to Provide Gear Shift (See Fig. 52.)

FIGURE 7. 144749 AND 305634 BEARING BRACKET ASSEMBLIES

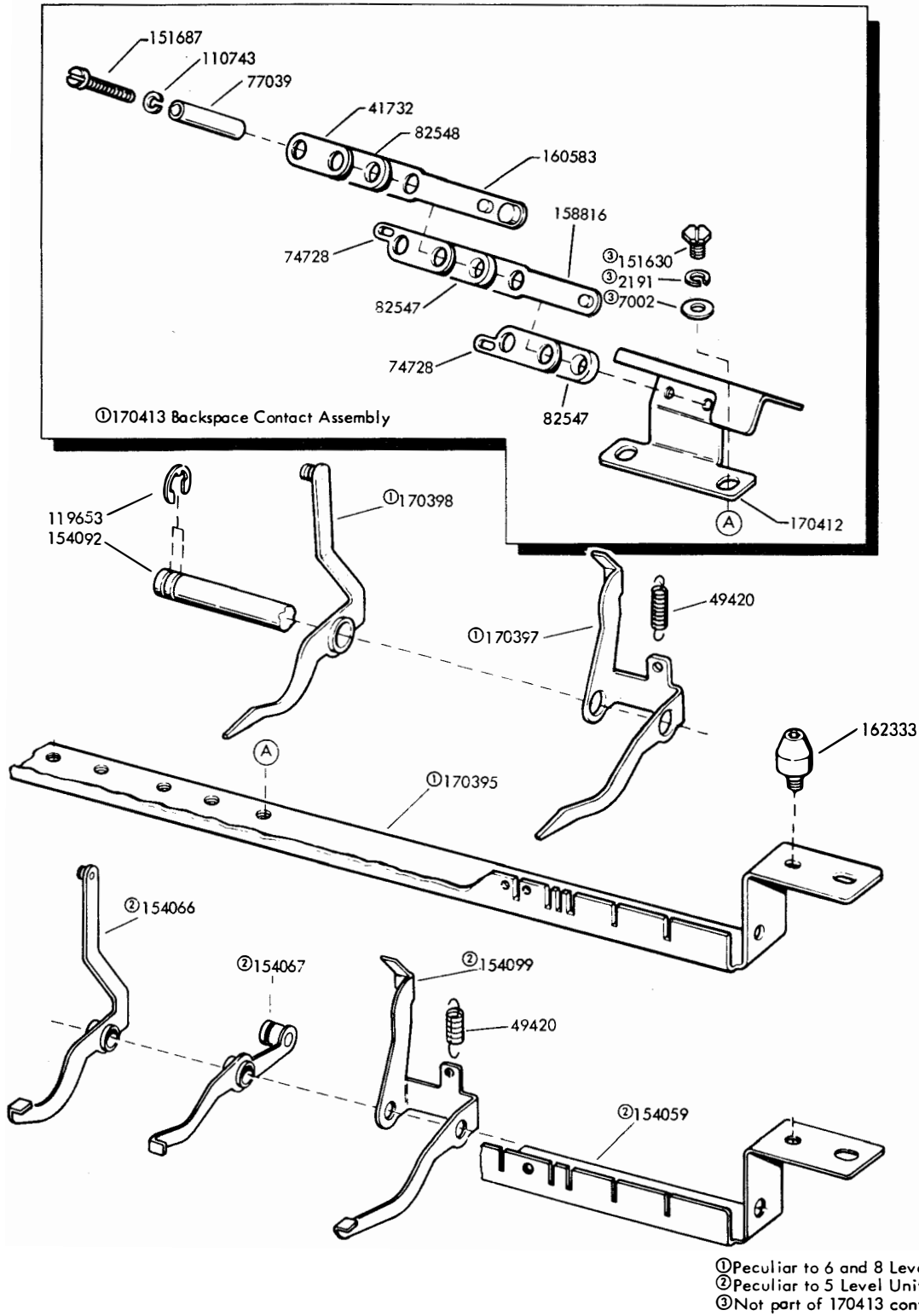
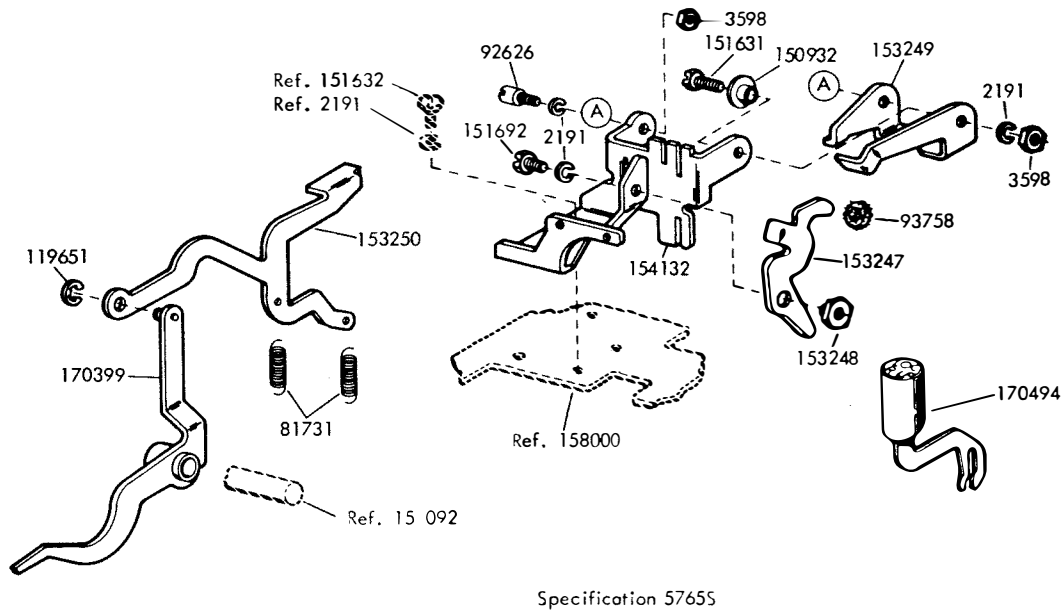
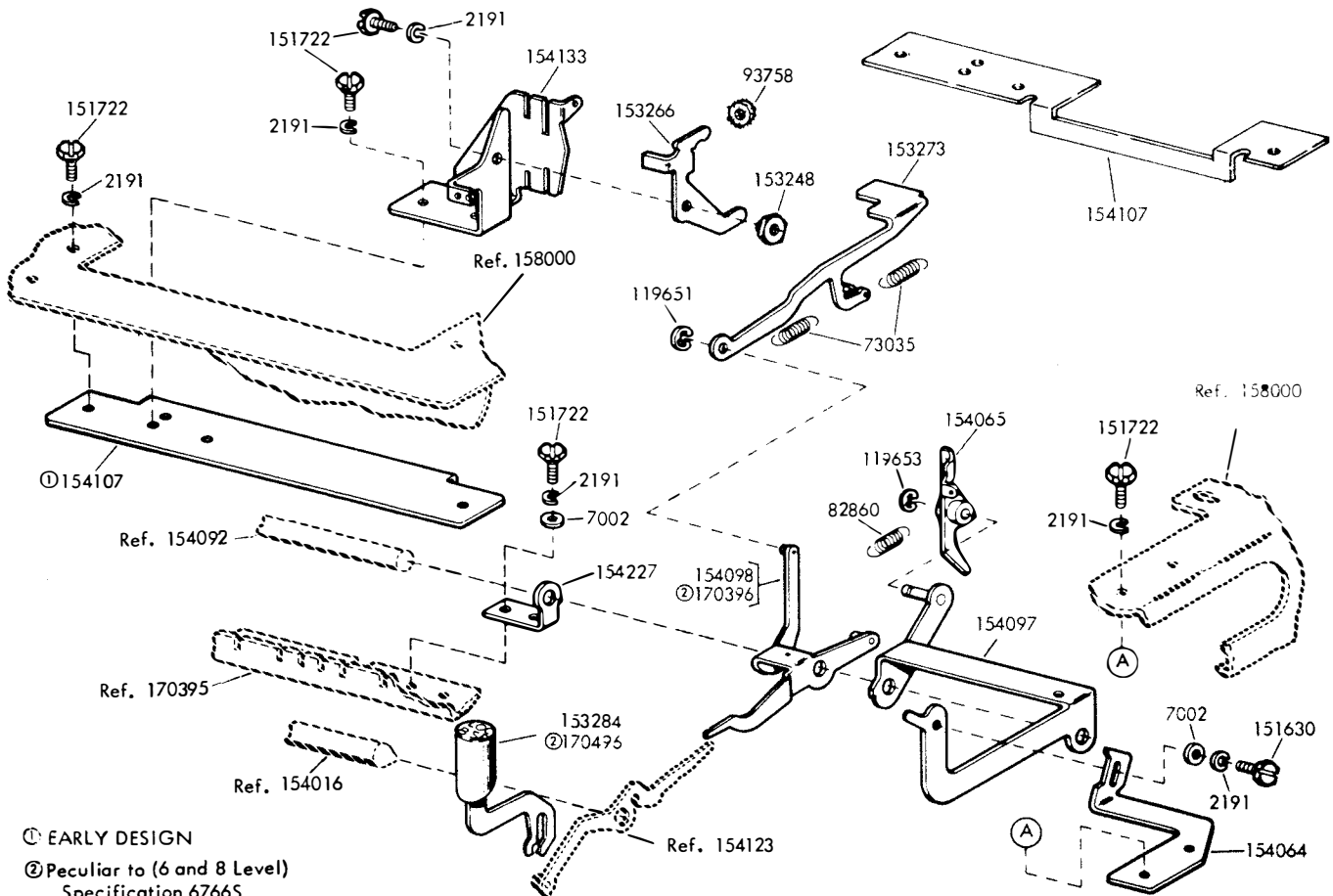


FIGURE 8. FUNCTION BAIL MECHANISM



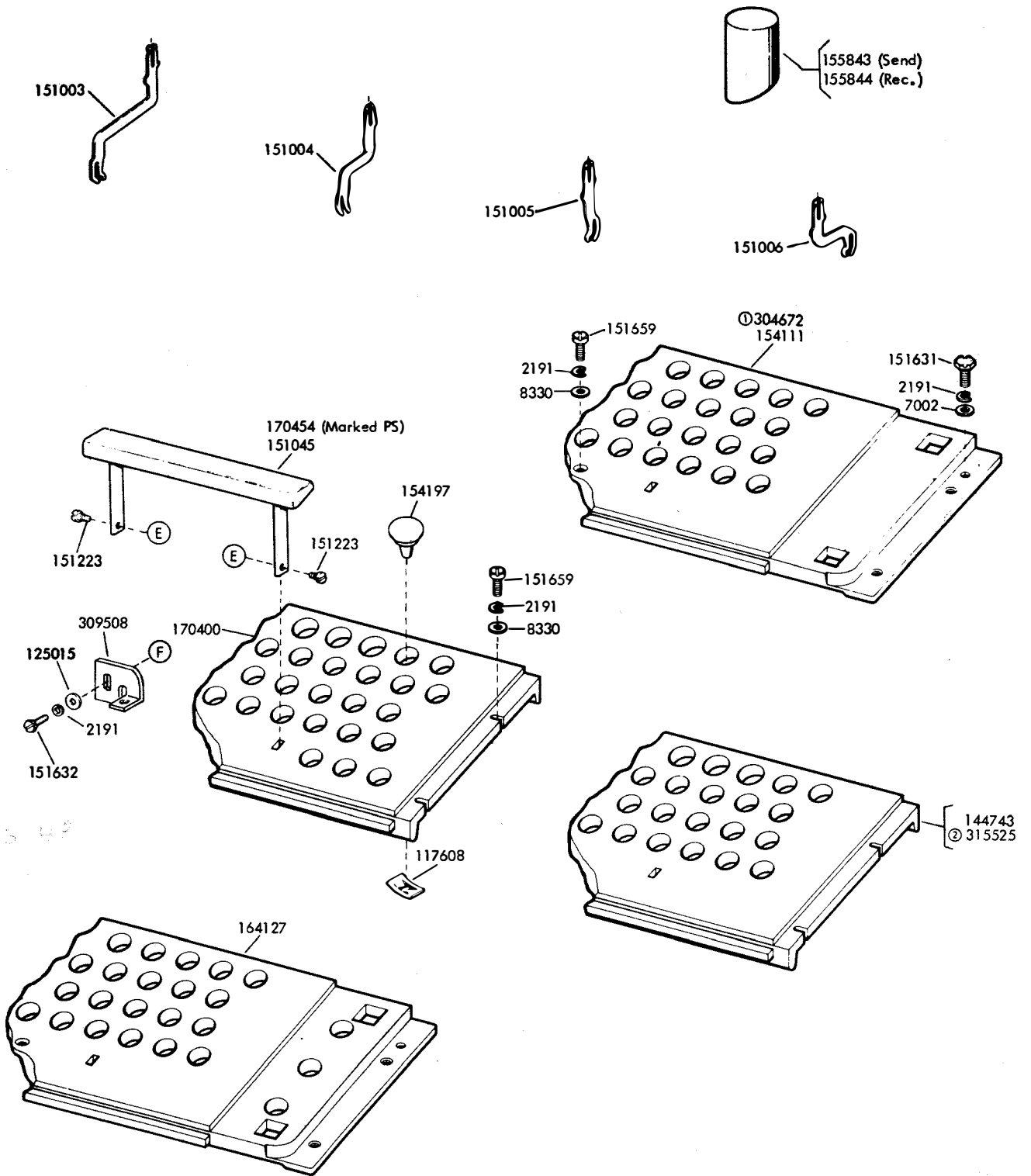
Specification 57655

FIGURE 9. LOCAL REVERSE LINE FEED MECHANISM (8 LEVEL)



Ⓒ EARLY DESIGN
 Ⓓ Peculiar to (6 and 8 Level)
 Specification 67665

FIGURE 10. 154146 MCDIFICATION KIT TO PROVIDE LOCAL BACKSPACE MECHANISM (5 LEVEL)



① Top Row Oversized to Accept Keytops Shown on Fig. 30
 ② Accepts Label Set on Left Hand Side.

FIGURE 11. KEYLEVER GUIDE PLATES

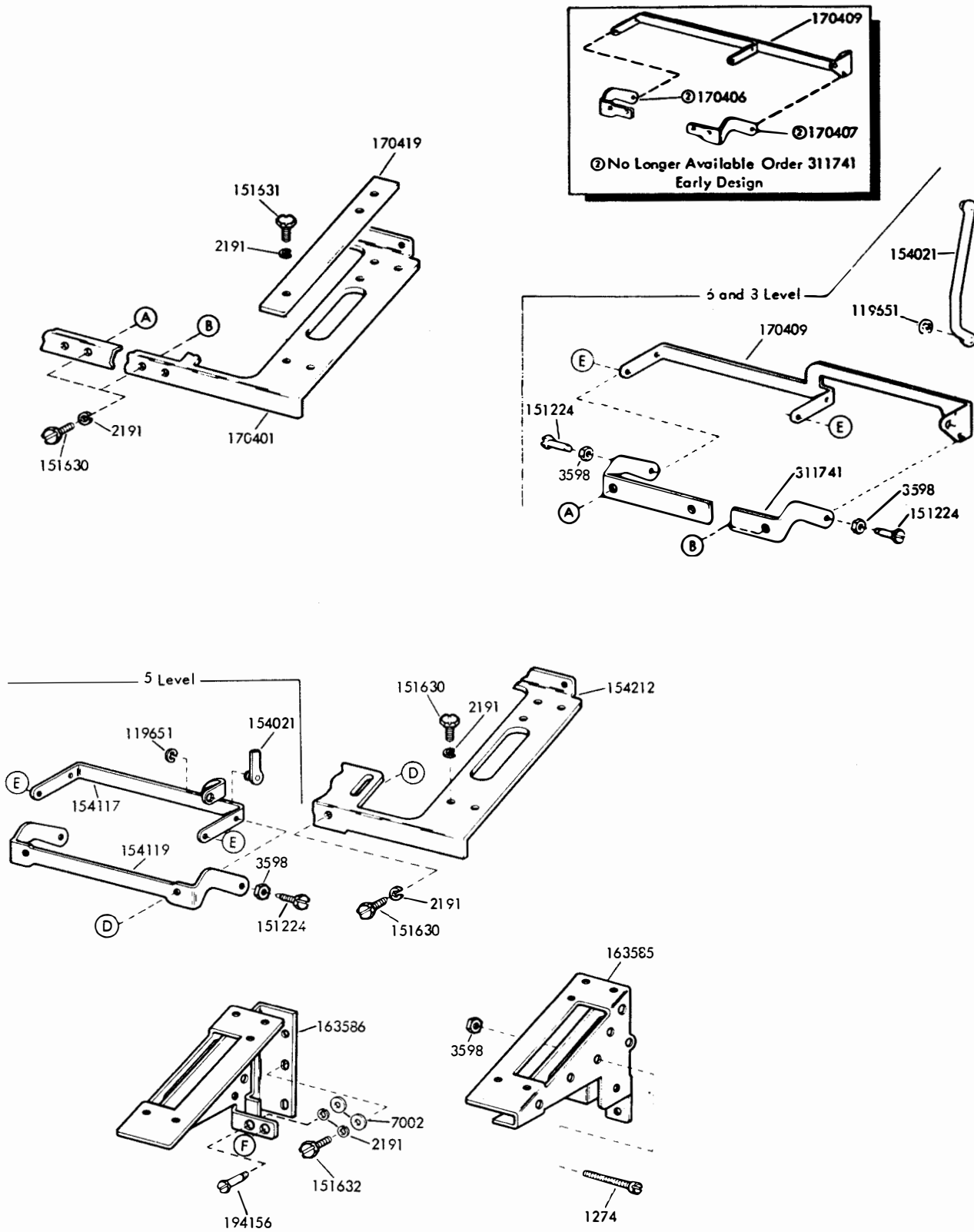


FIGURE 12. KEYLEVER GUIDE PLATES (Continued)

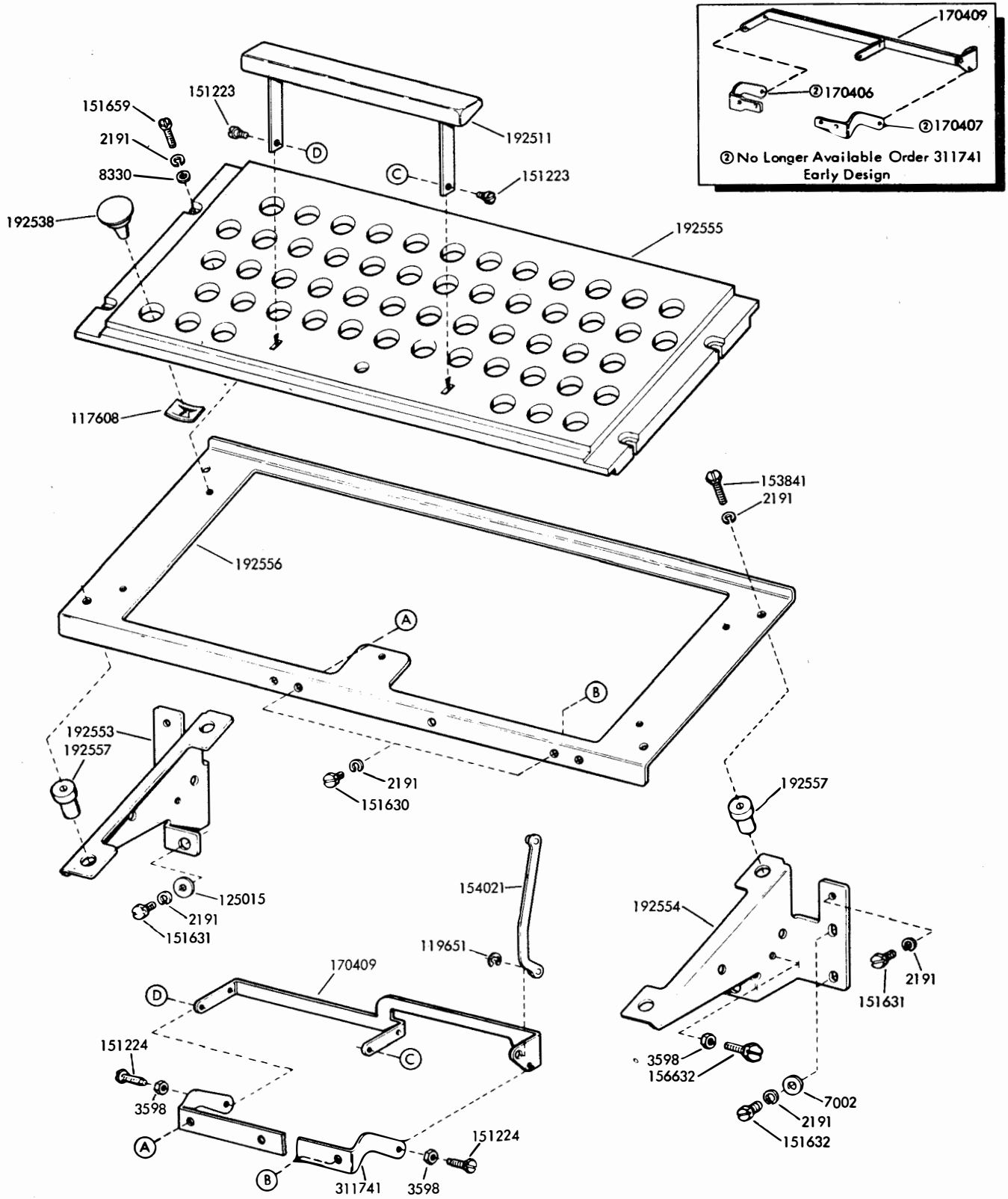


FIGURE 13. KEYBOARD MECHANISM

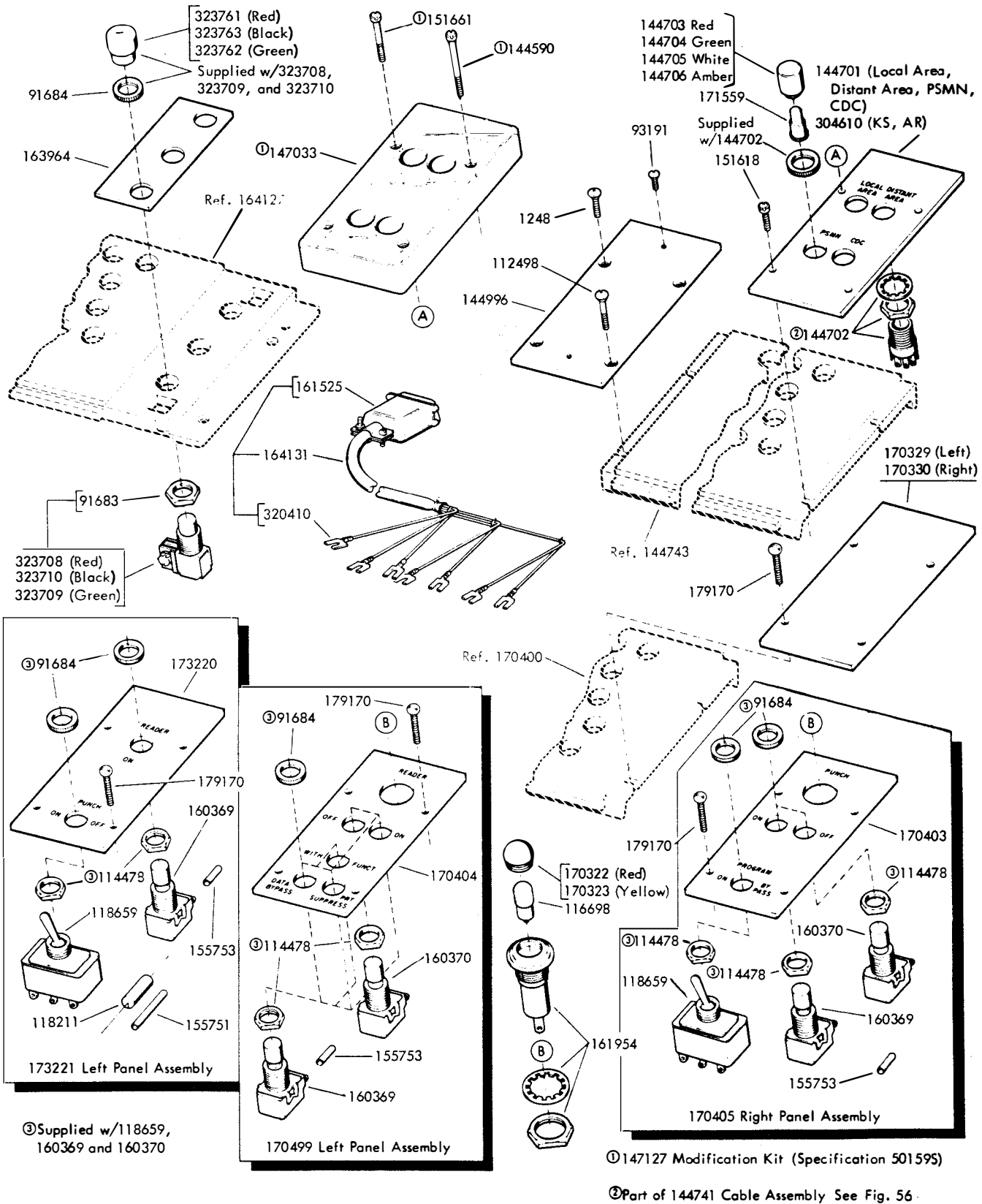
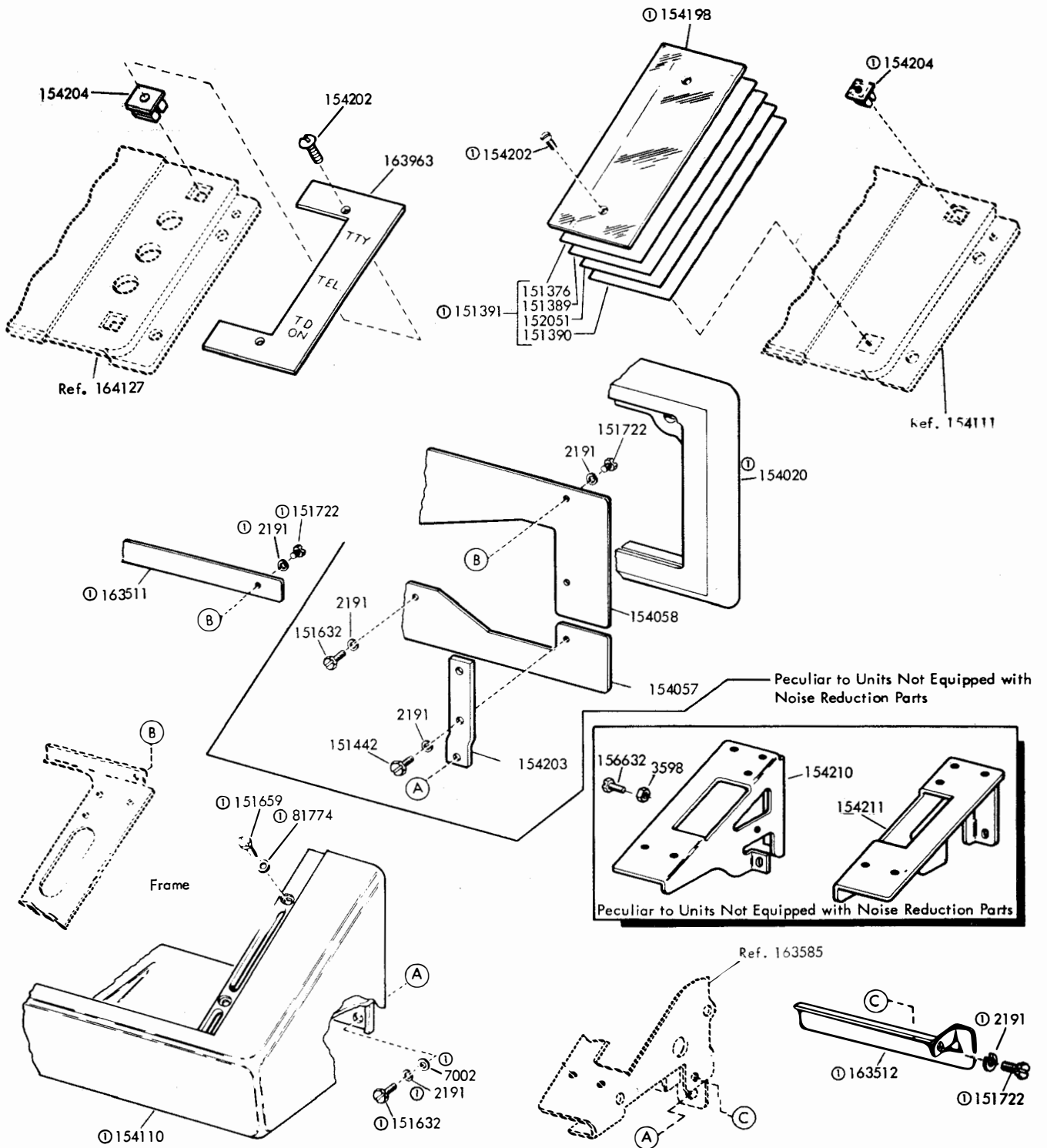


FIGURE 14. KEYBOARD TOP PLATES AND PANEL ASSEMBLIES



ⓐ 163588 Modification Kit to Adapt Keyboard for use with Table or floor Model Cabinets

FIGURE 15. KEYBOARD HOOD AND MOUNTING PARTS

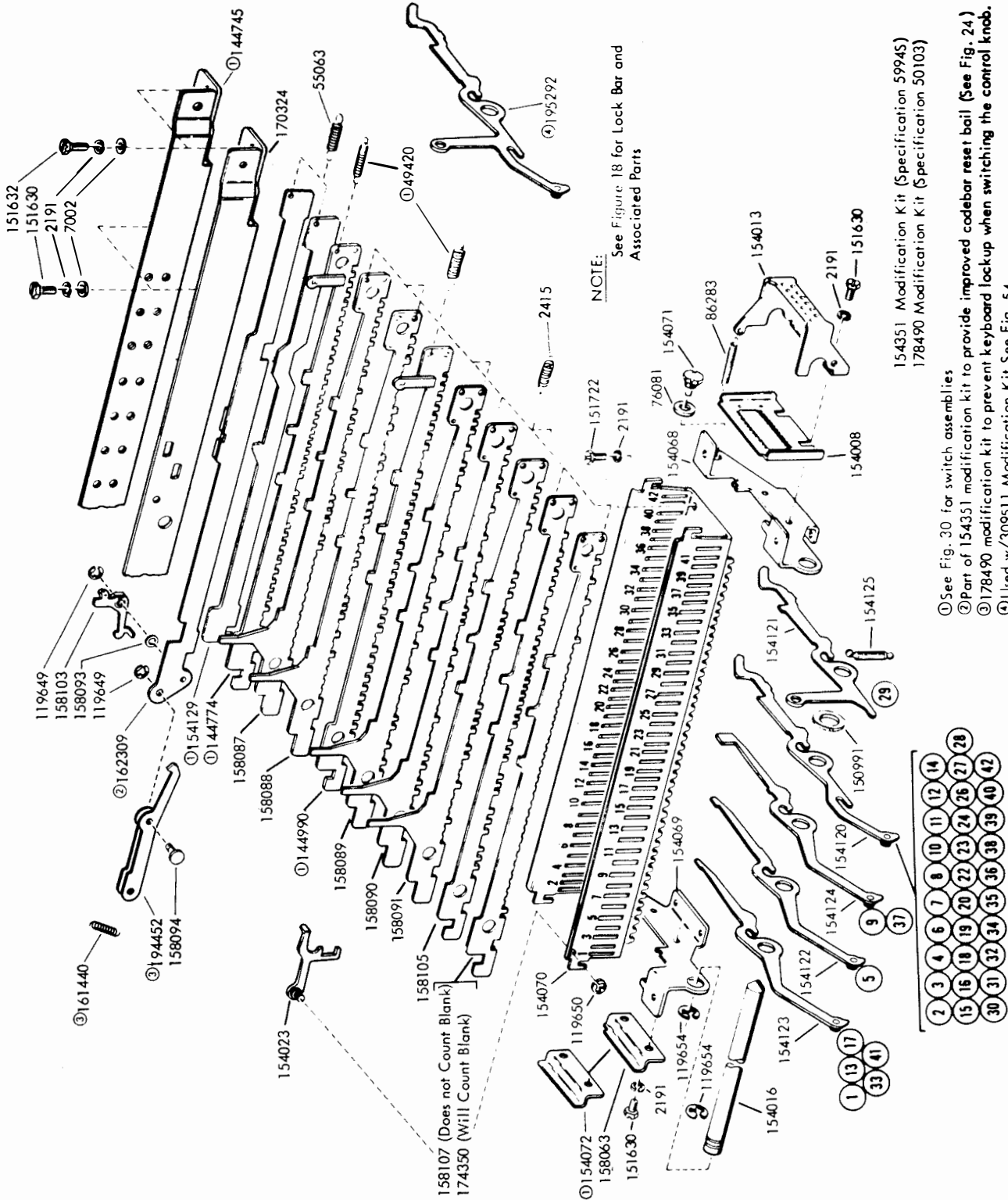
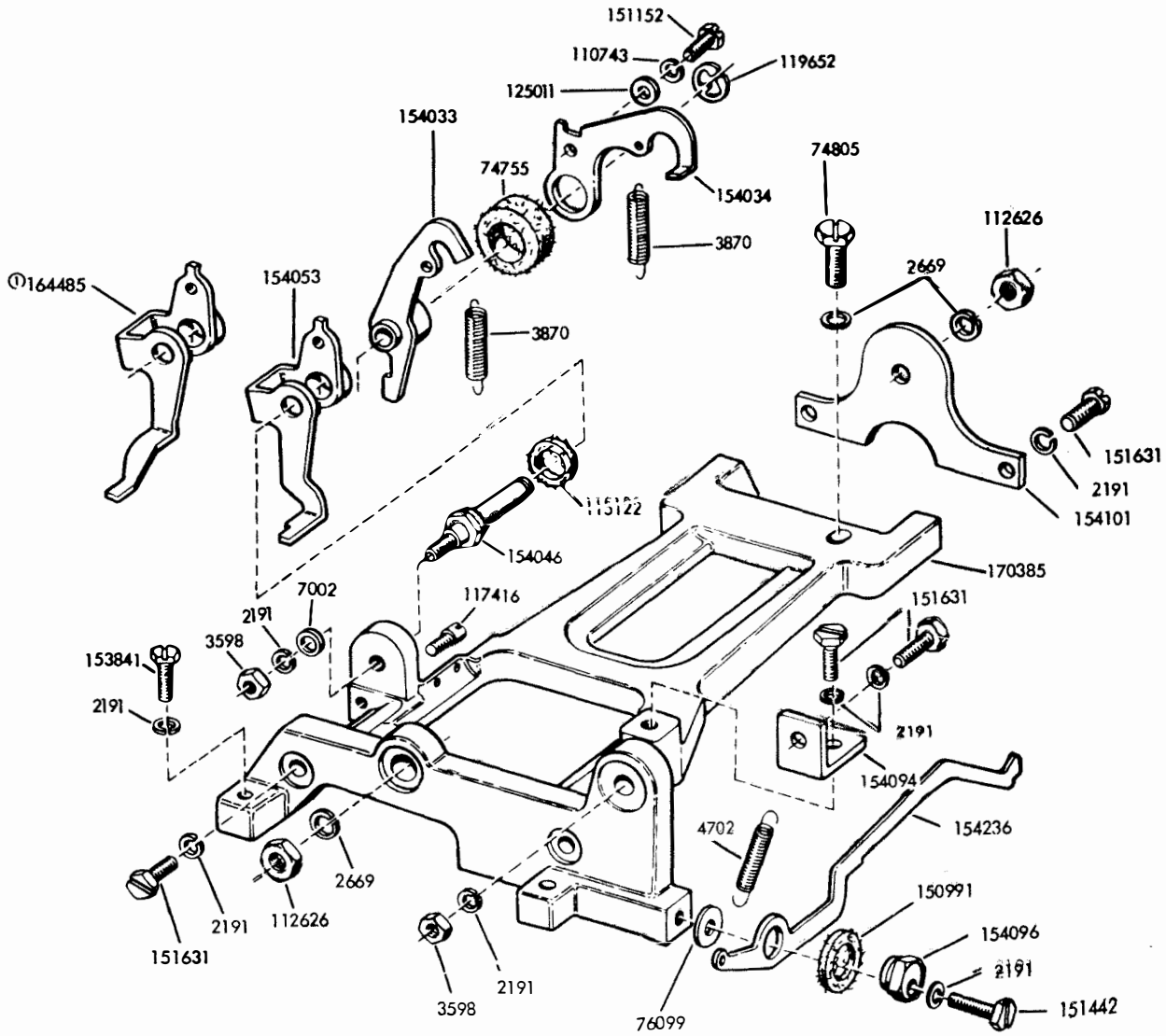


FIGURE 16. CODE BAR MECHANISM (5 LEVEL)

- ① See Fig. 30 for switch assemblies
- ② Part of 154351 modification kit to provide improved codebar reset bail (See Fig. 24)
- ③ 178490 modification kit to prevent keyboard lockup when switching the control knob.
- ④ Used w/309511 Modification Kit See Fig. 54.

154351 Modification Kit (Specification 5994S)
178490 Modification Kit (Specification 50103)



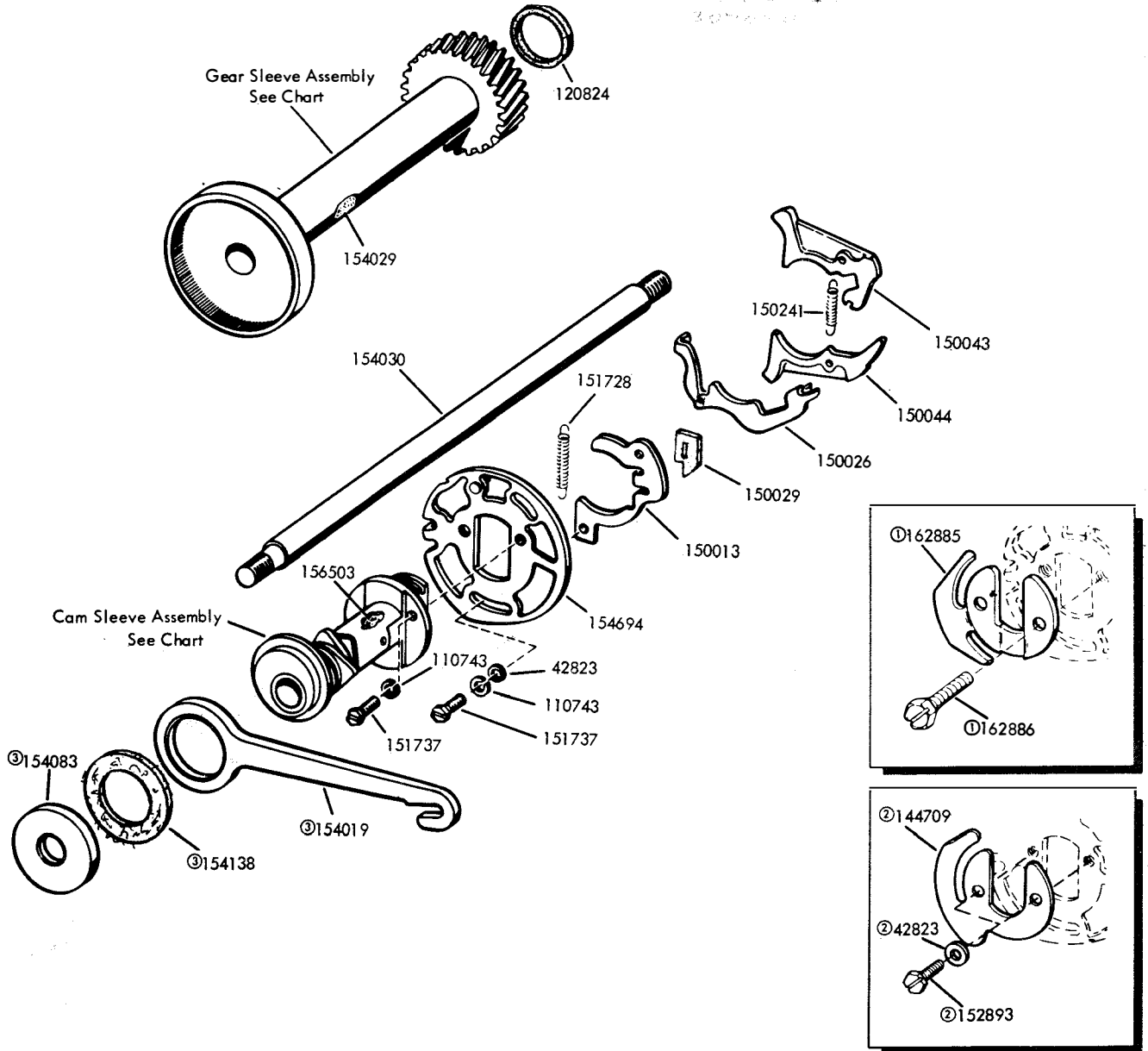
① Peculiar to Units Equipped with Synchronous Pulsed Transmission (See Fig. 38)

FIGURE 21. SIGNAL GENERATOR FRAME MECHANISM

SIGNAL GENERATOR SHAFT ASSEMBLY	CAM SLEEVE ASSEMBLY	GEAR SLEEVE ASSEMBLY	UNIT CODE
154163	154154	154032	7.42
164349	311451	163519	7.00
170099	170098	154032	8.50
170334	178142	154032	11.00
178785	178795	178787	7.50

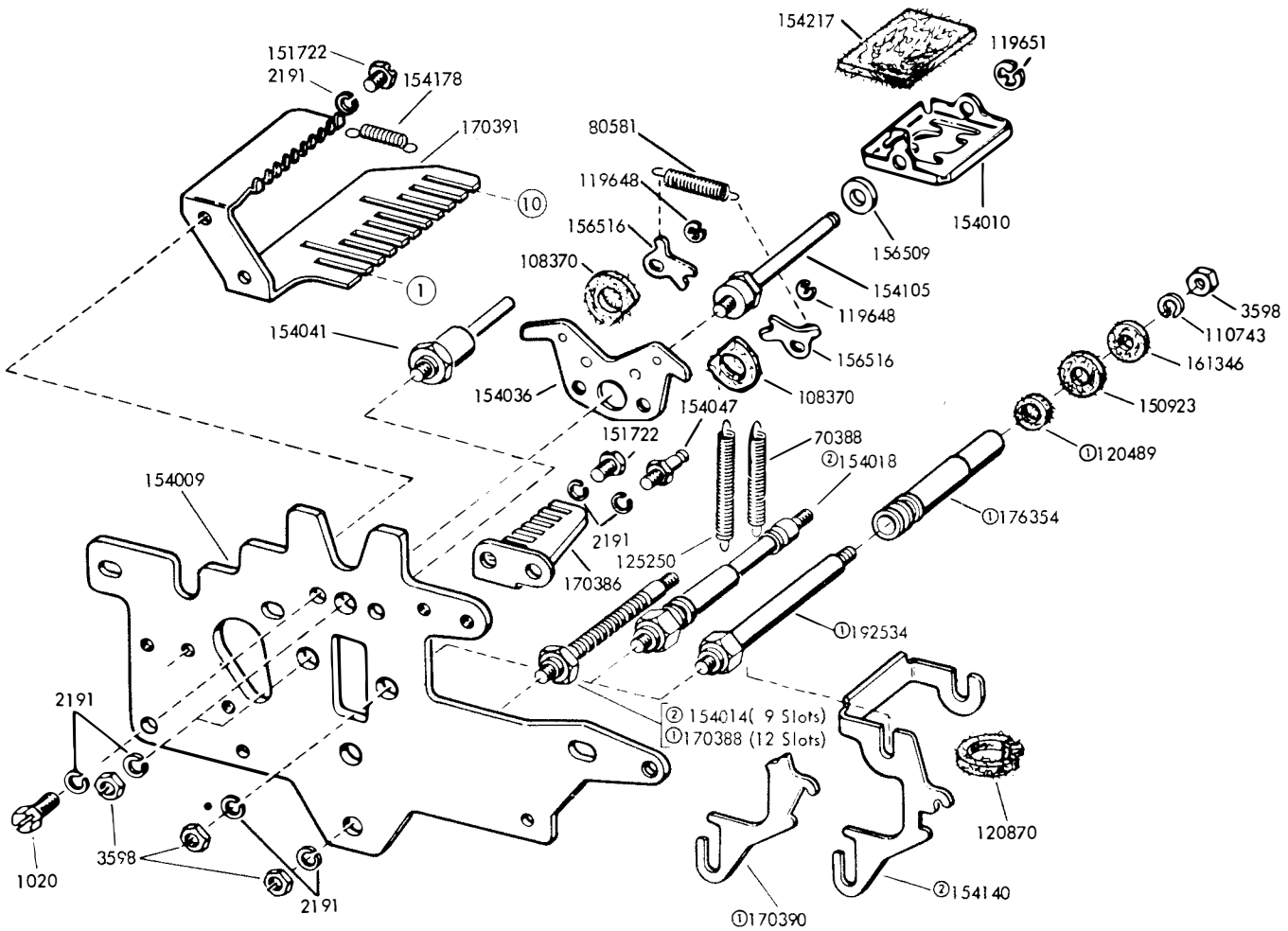
2.4
2.5
2.4

154032 154032
154032 154032
154032 154032

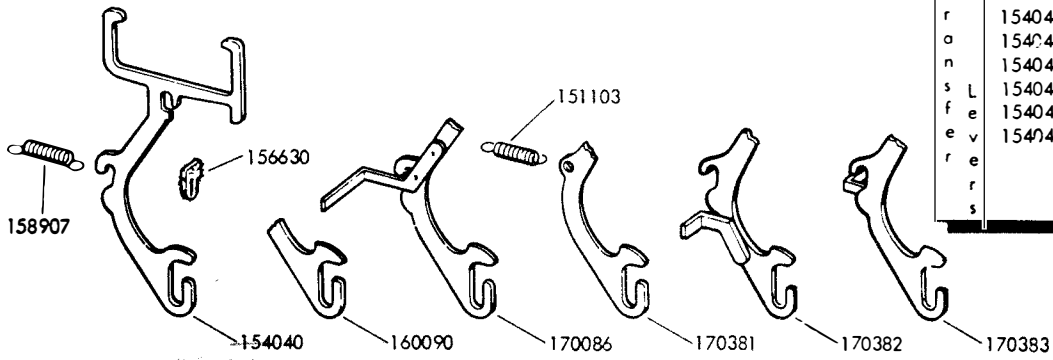


- ①Part of 178346 Modification Kit
(See Fig. 36)
- ②Part of 144708 Modification Kit
(See Fig. 31)
- ③Not Part of Signal Generator Shaft Assemblies

FIGURE 22. SIGNAL GENERATOR SHAFT ASSEMBLIES



② 154014 (9 Slots)
 ① 170388 (12 Slots)



	Transfer Levers			Slot No.
	(5 Level)	(6 Level)	(8 Level)	
T	154040	160090	160090	1
r	154040		160090	2
a	154040		160090	3
n	154040	160090	160090	4
s	154040	160090	160090	5
L	154040	160090	170383	6
e	154040	170381	170331	7
v		160090	170382	8
r		160090	160090	9
s		170086	160090	10

⓪ Peculiar to 6 and 8 Level Units Only
 Ⓛ Peculiar to 5 Level Units Only

FIGURE 23. SIGNAL GENERATOR FRONT PLATE MECHANISM

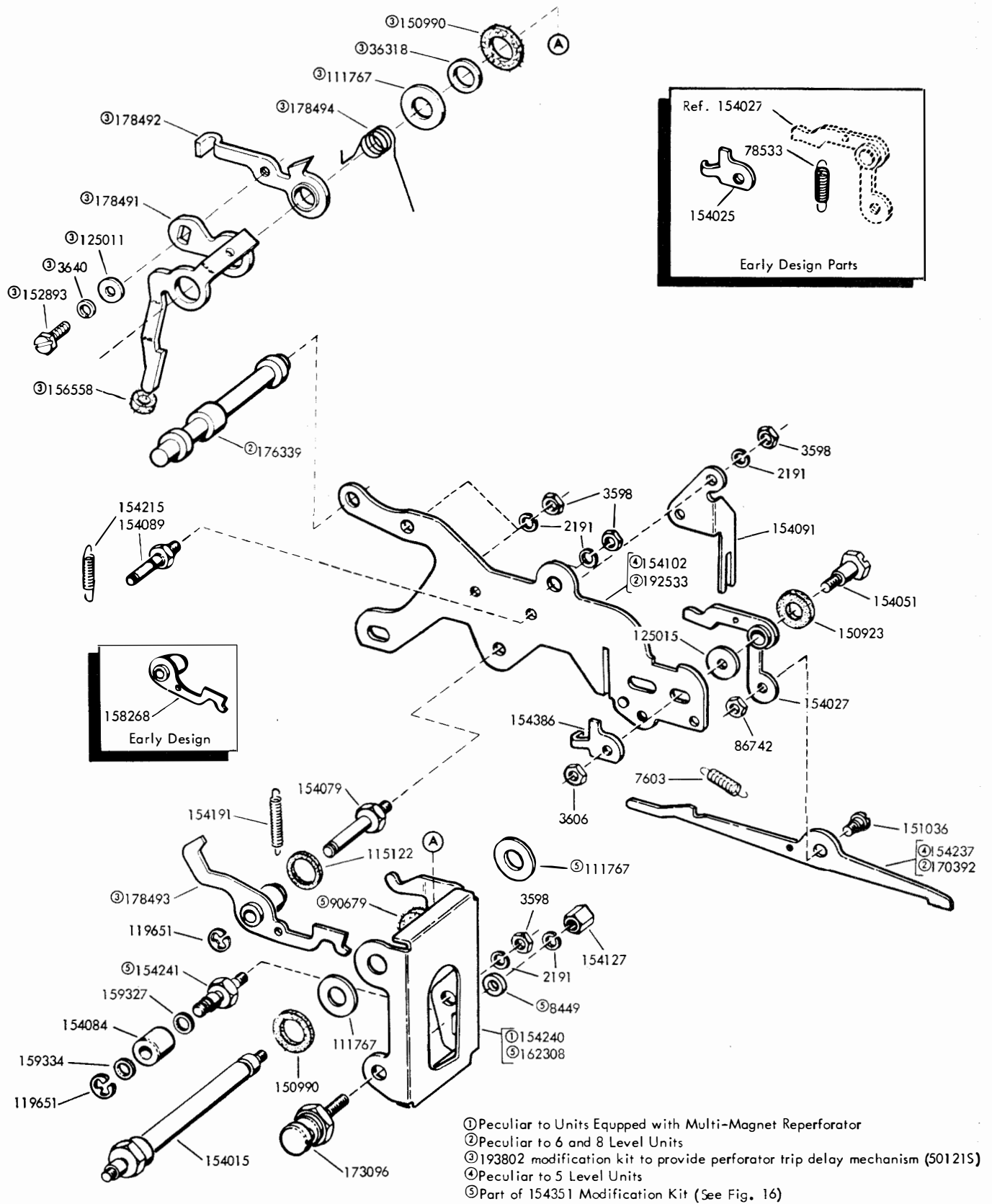


FIGURE 24. SIGNAL GENERATOR REAR PLATE MECHANISM

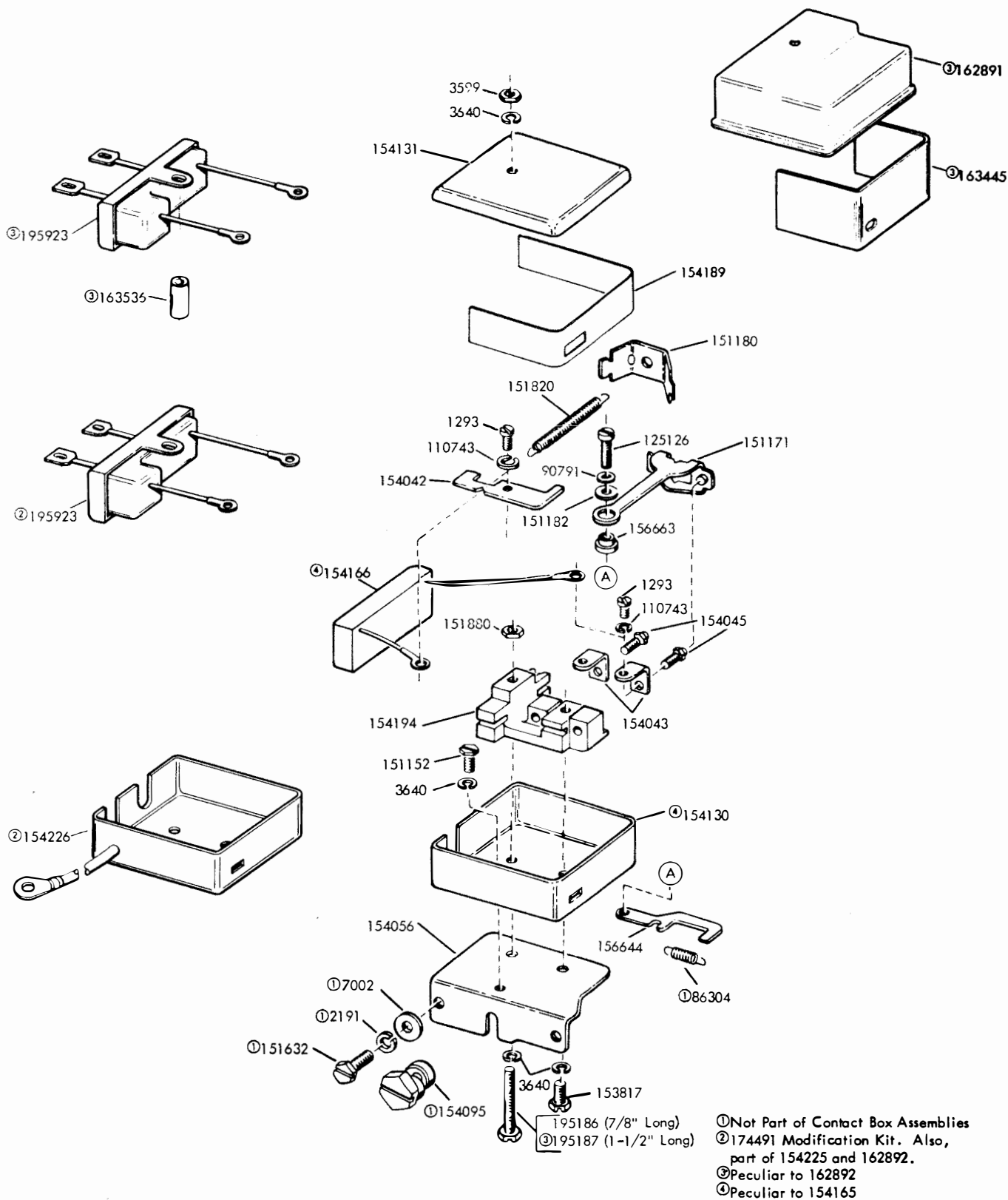
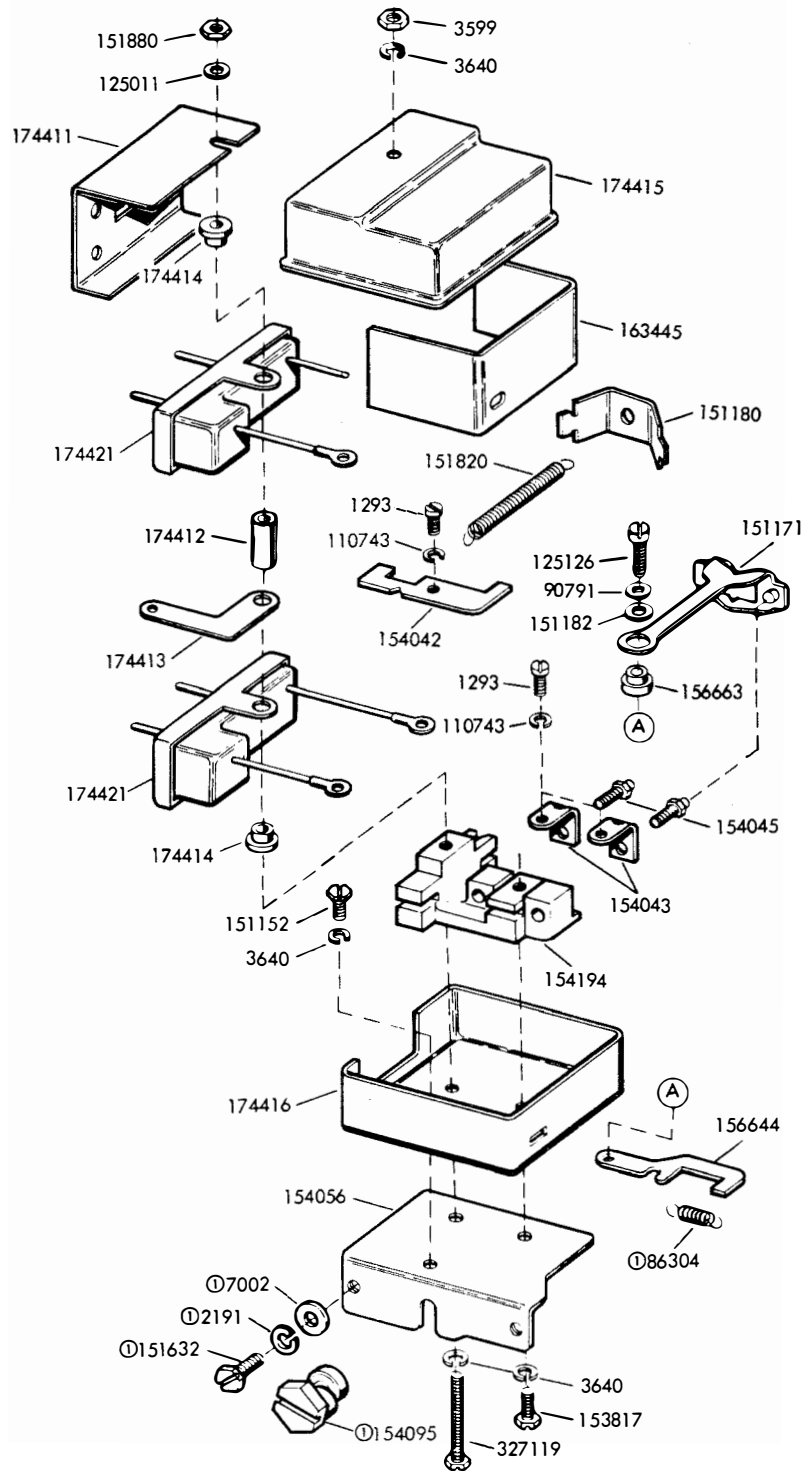


FIGURE 25. 154165 (W/ARC SUPPRESSION) 154225 (W/RF SUPPRESSION) - NEUTRAL TRANSMISSION AND 162892 (W/RF SUPPRESSION - POLAR TRANSMISSION) CONTACT BOX ASSEMBLIES



ⓐ Not Part of 174410

FIGURE 26. 174410 CONTACT BOX ASSEMBLY W/RF SUPPRESSION - POLAR TRANSMISSION (SHIELDED SIGNAL LINES)

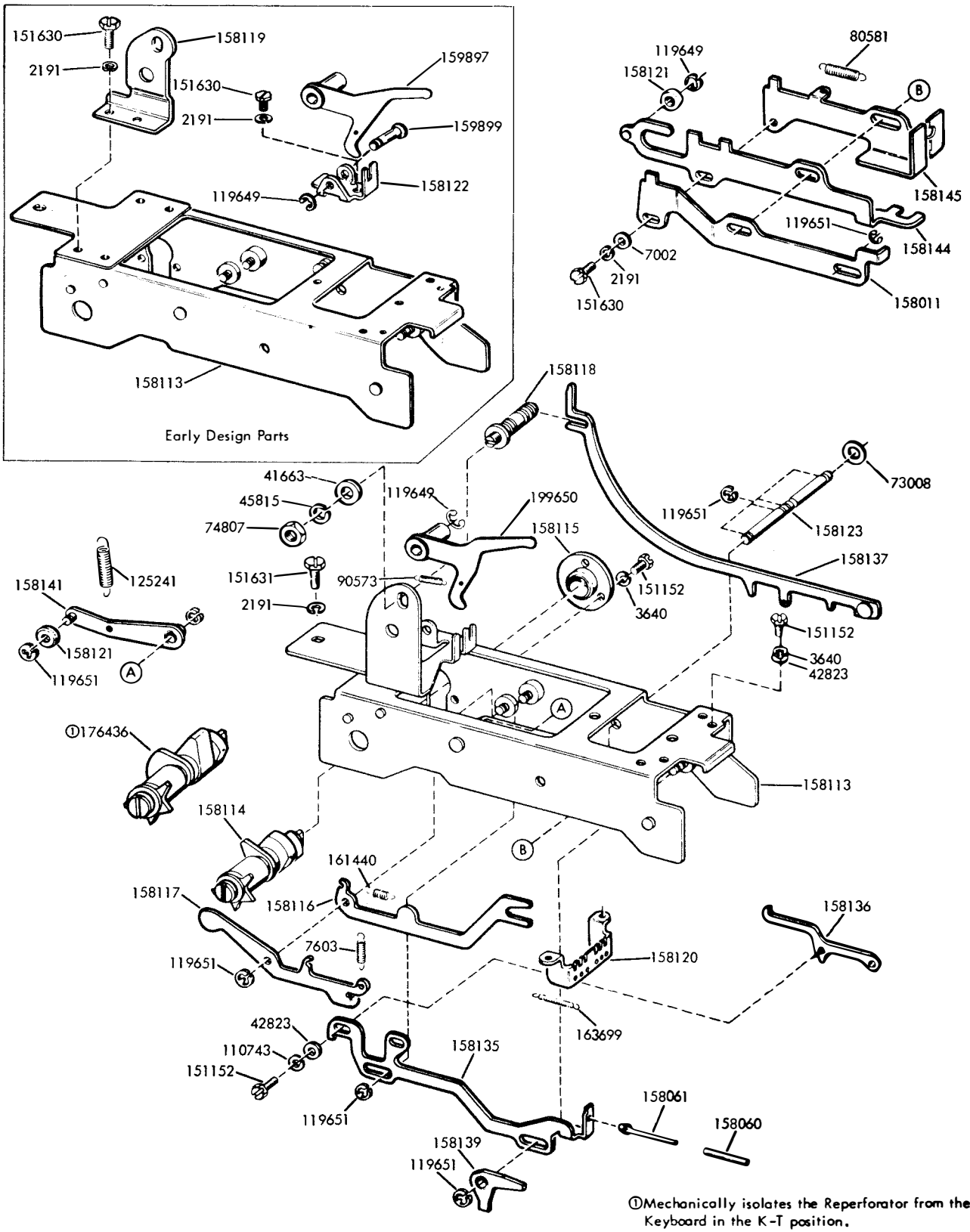


FIGURE 27. CODE BAR EXTENSION BASKET MECHANISM

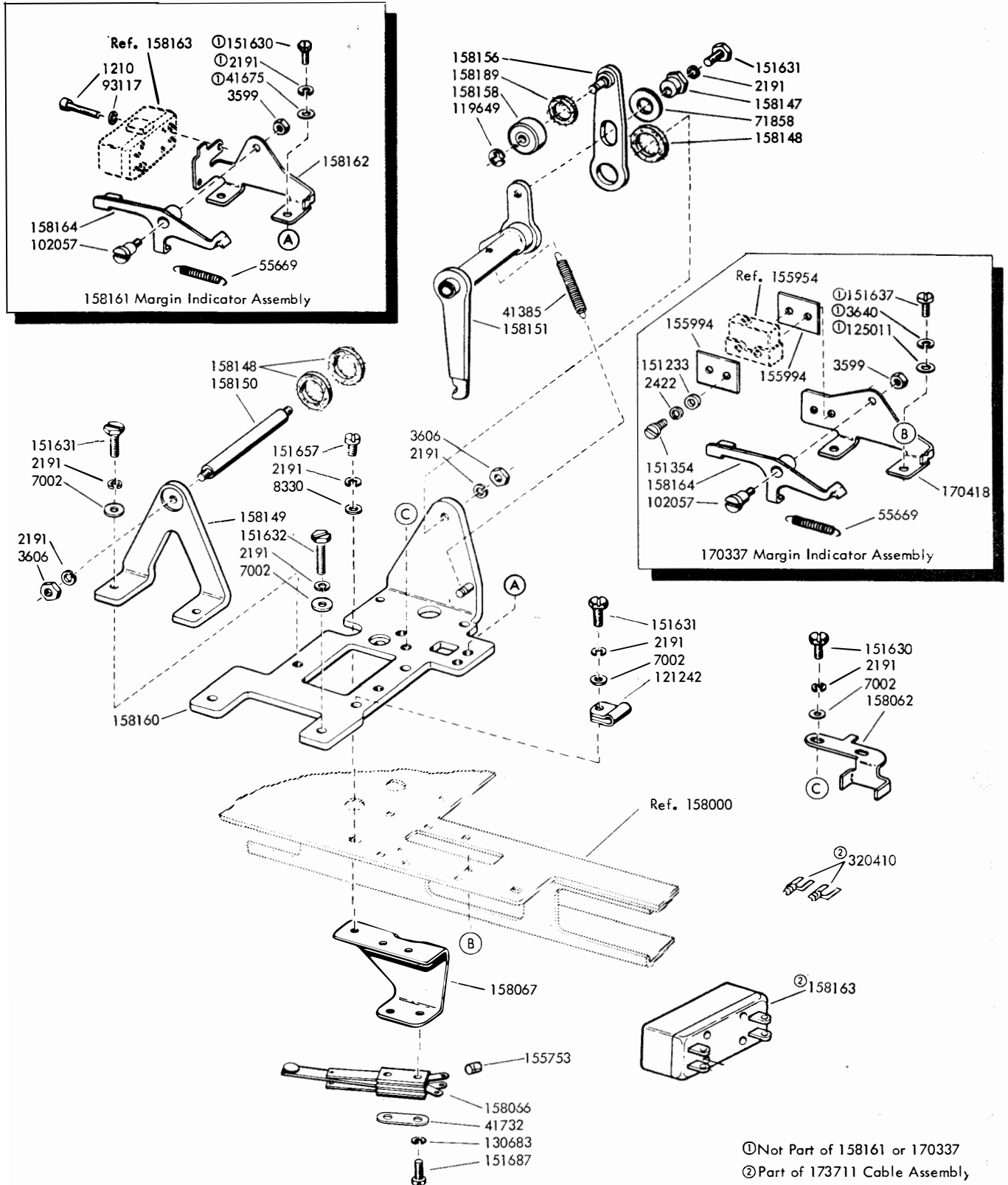


FIGURE 28. CAM FOLLOWER MECHANISM AND MARGIN INDICATOR ASSEMBLIES

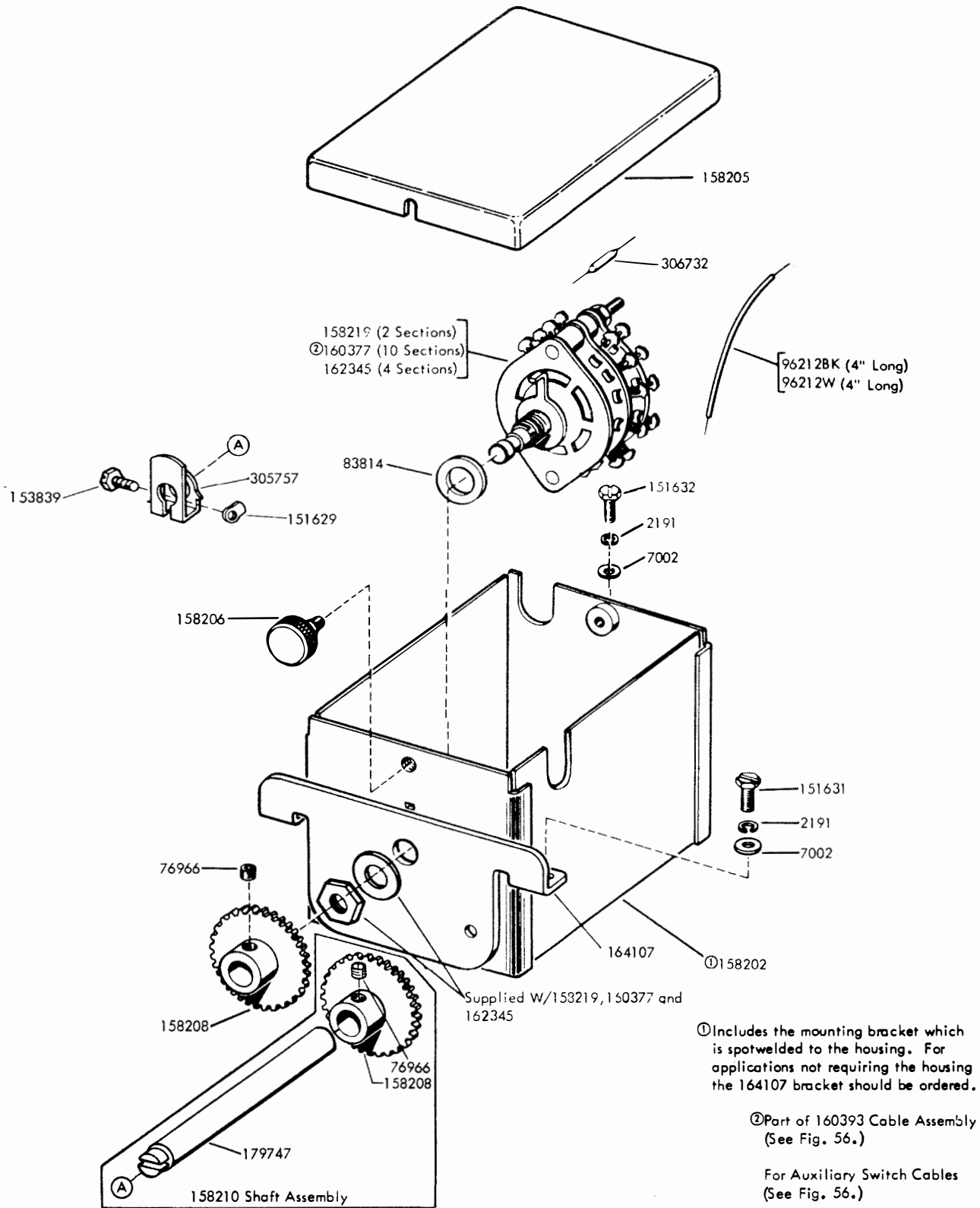
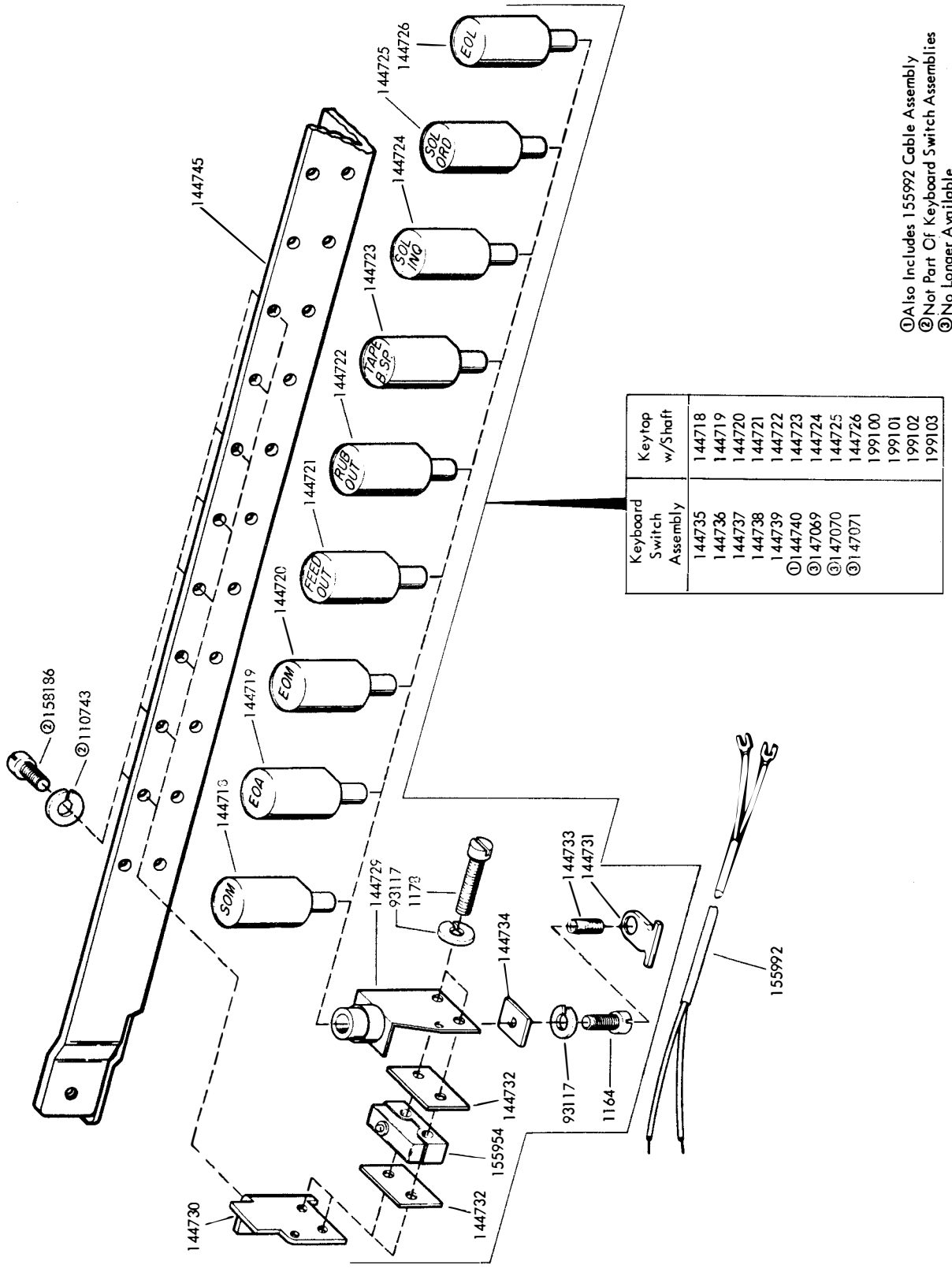


FIGURE 29. AUXILIARY SWITCH MECHANISM



Keyboard Switch Assembly	Keypop w/Shaft
144735	144718
144736	144719
144737	144720
144738	144721
144739	144722
①144740	144723
②147069	144724
③147070	144725
③147071	144726
	199100
	199101
	199102
	199103

①Also Includes 155992 Cable Assembly
 ②Not Part Of Keyboard Switch Assemblies
 ③No Longer Available

FIGURE 30. KEYBOARD SWITCH ASSEMBLIES

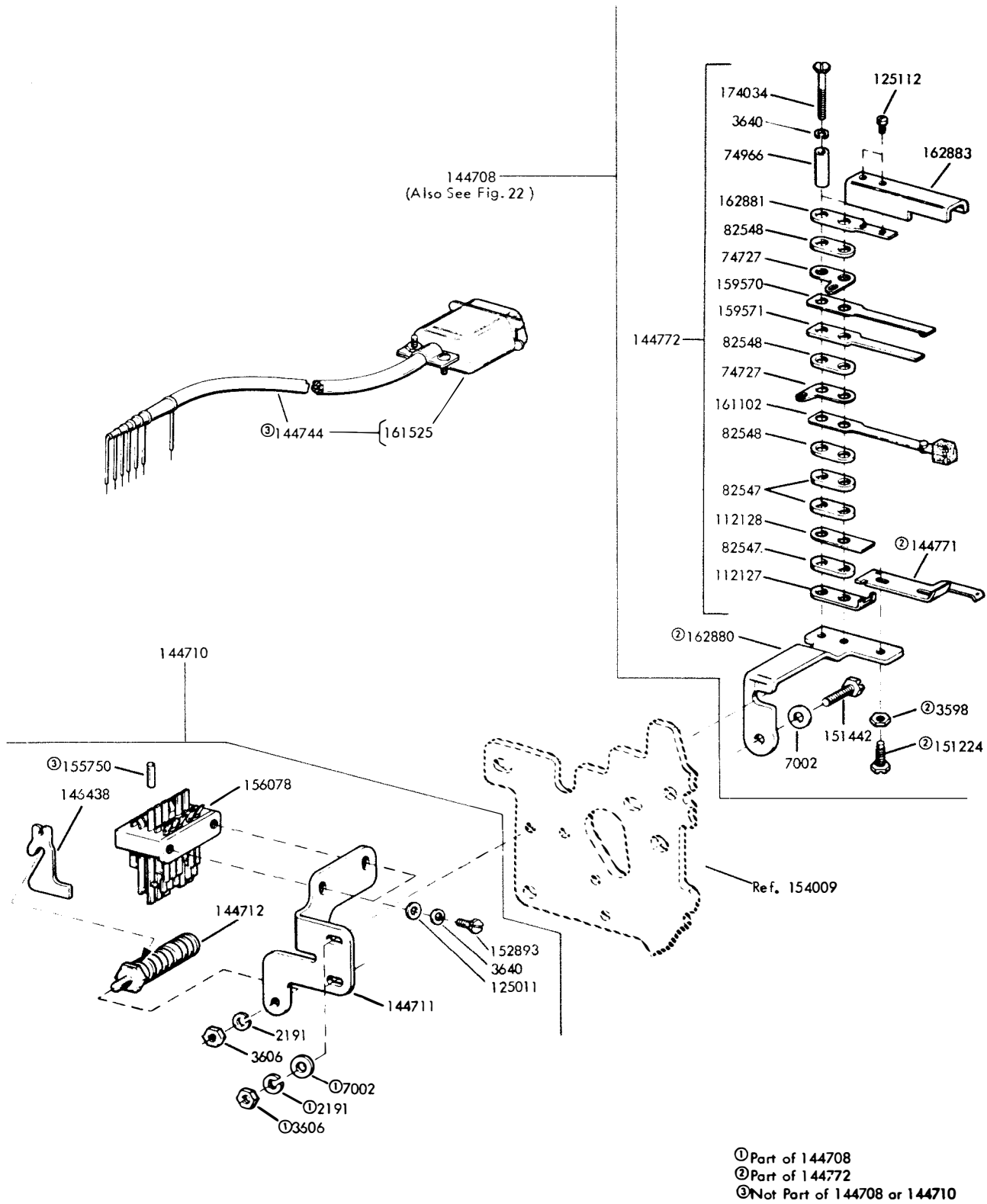


FIGURE 31. 144708 (FUNCTION MAGNET CONTACT) AND 144710 (CODE READING CONTACTS) MODIFICATION KITS

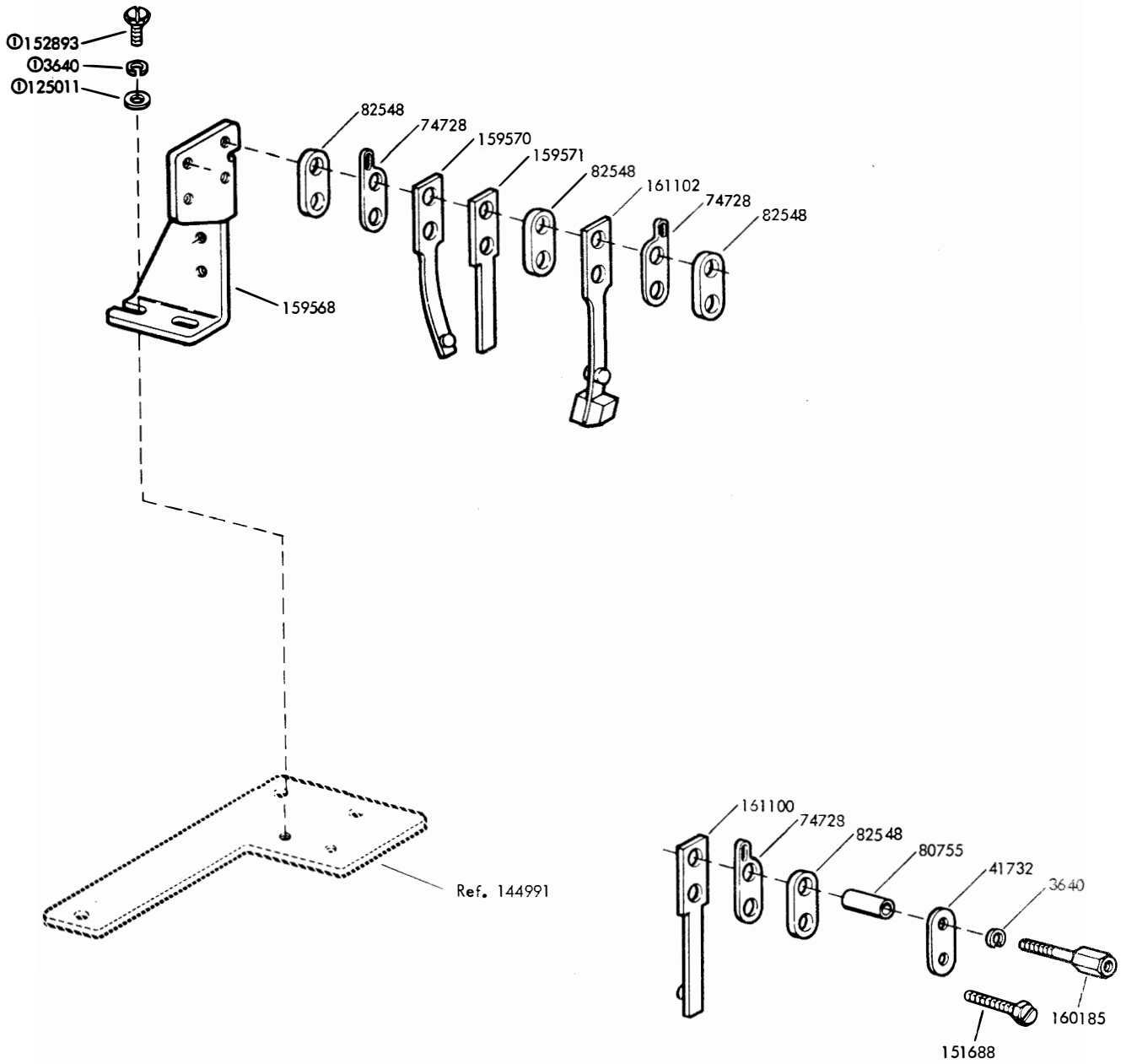
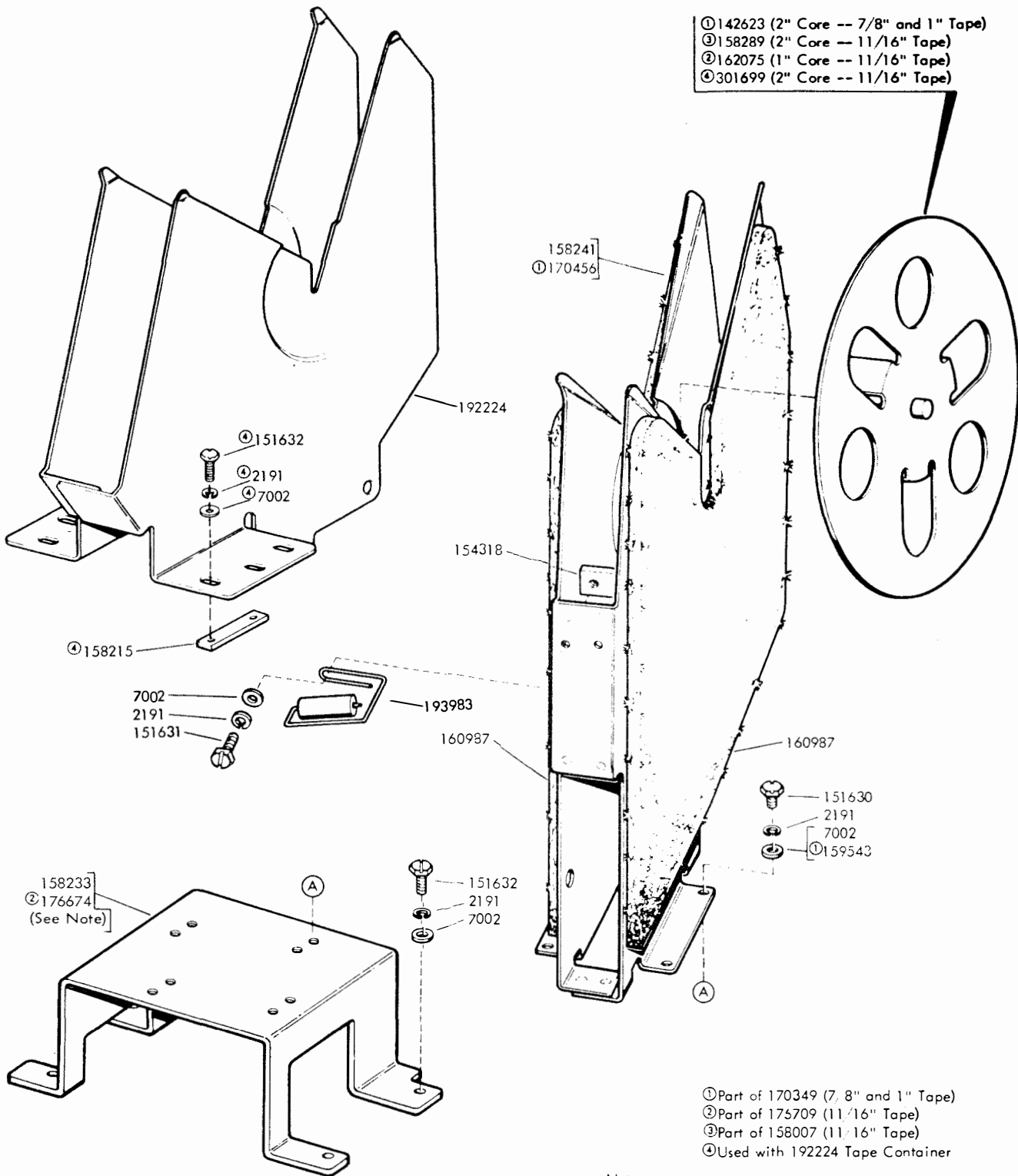


FIGURE 32. 144997 FIGURES-LETTERS CONTACT ASSEMBLY



Note:
 The 176674 bracket is used to mount the
 tape container when a perforator is motorized.

FIGURE 33. 158007, 170349 AND 176709 TAPE CONTAINER ASSEMBLIES

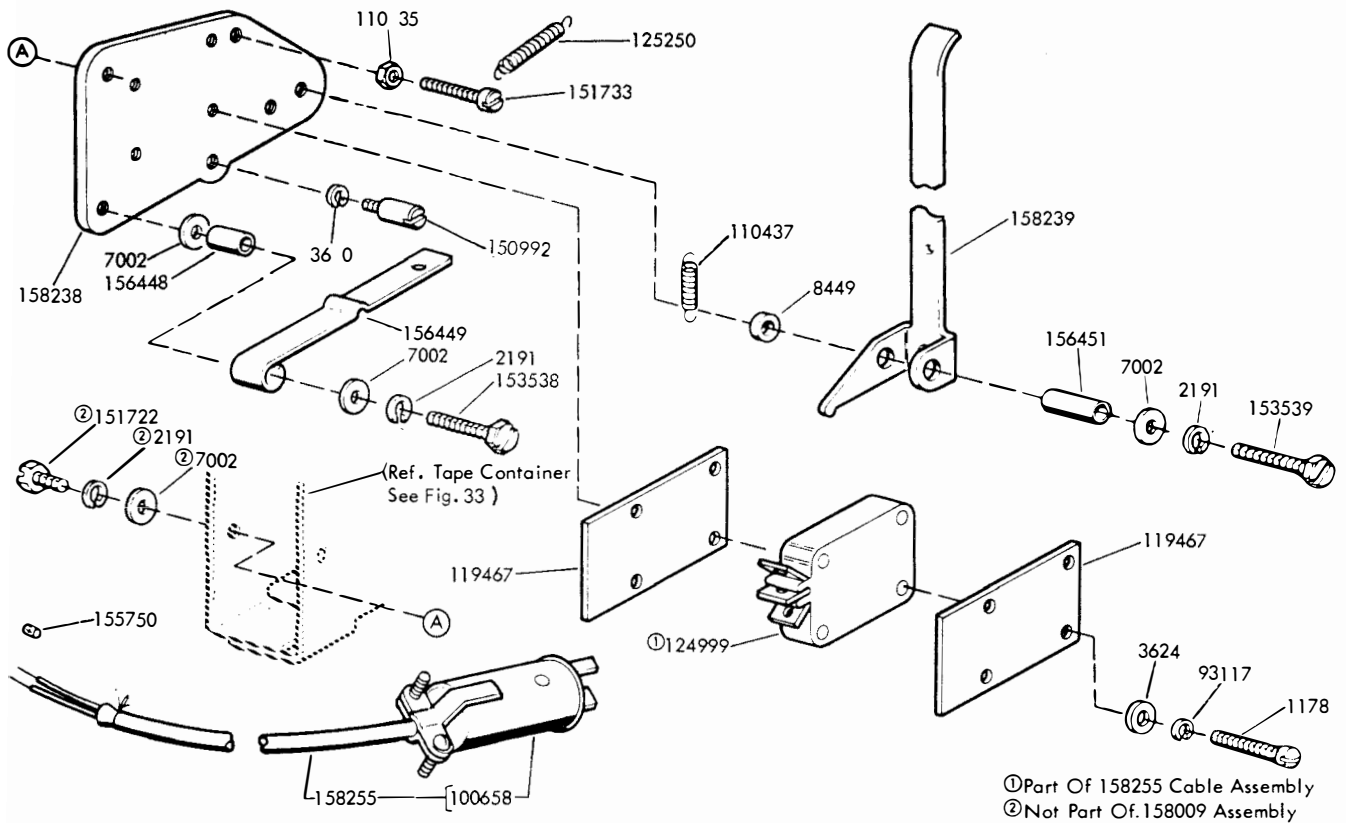


FIGURE 34. 158009 (TWO WIRE) TAPE-OUT SWITCH ASSEMBLY

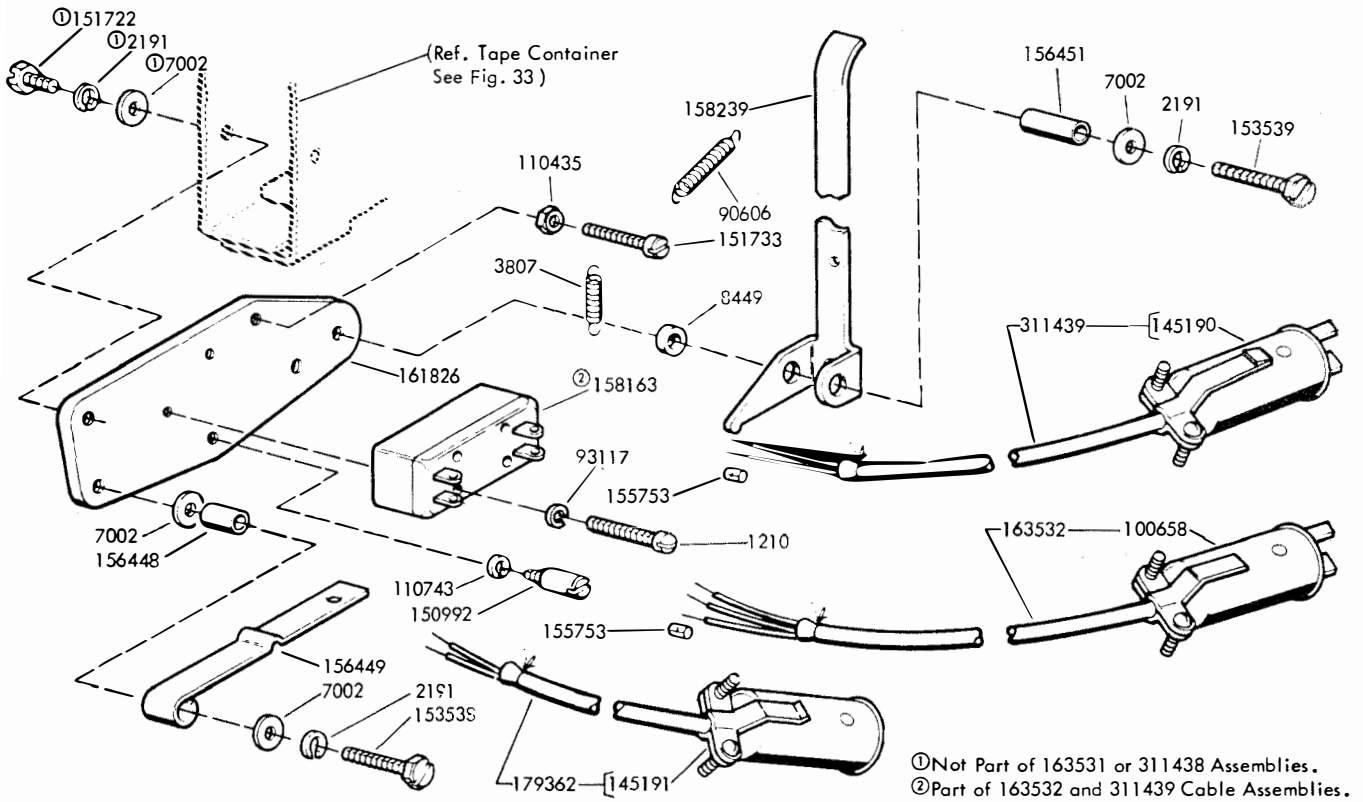


FIGURE 35. 163531 (THREE WIRE) AND 311438 (TWO WIRE) TAPE-OUT SWITCH ASSEMBLIES

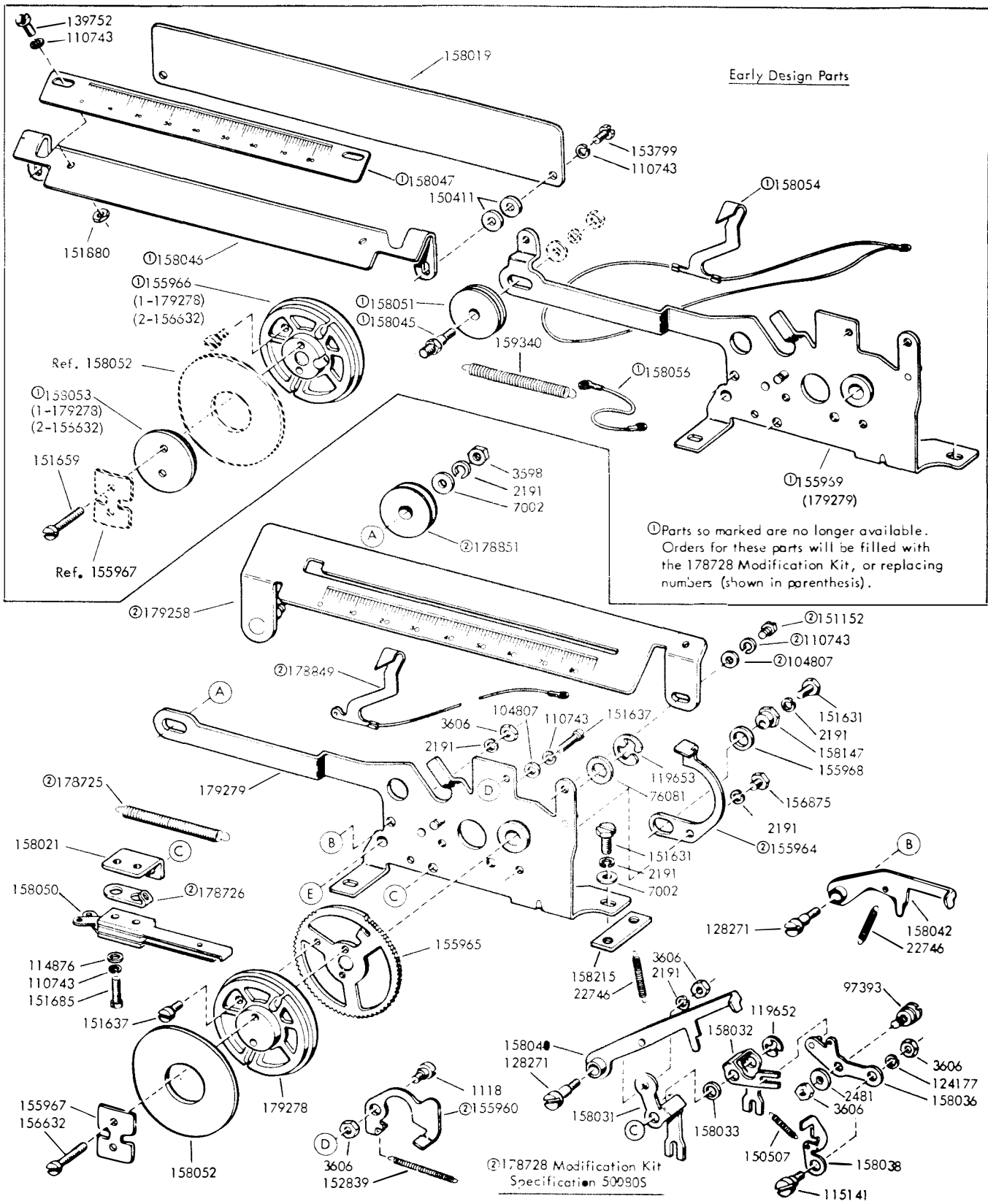
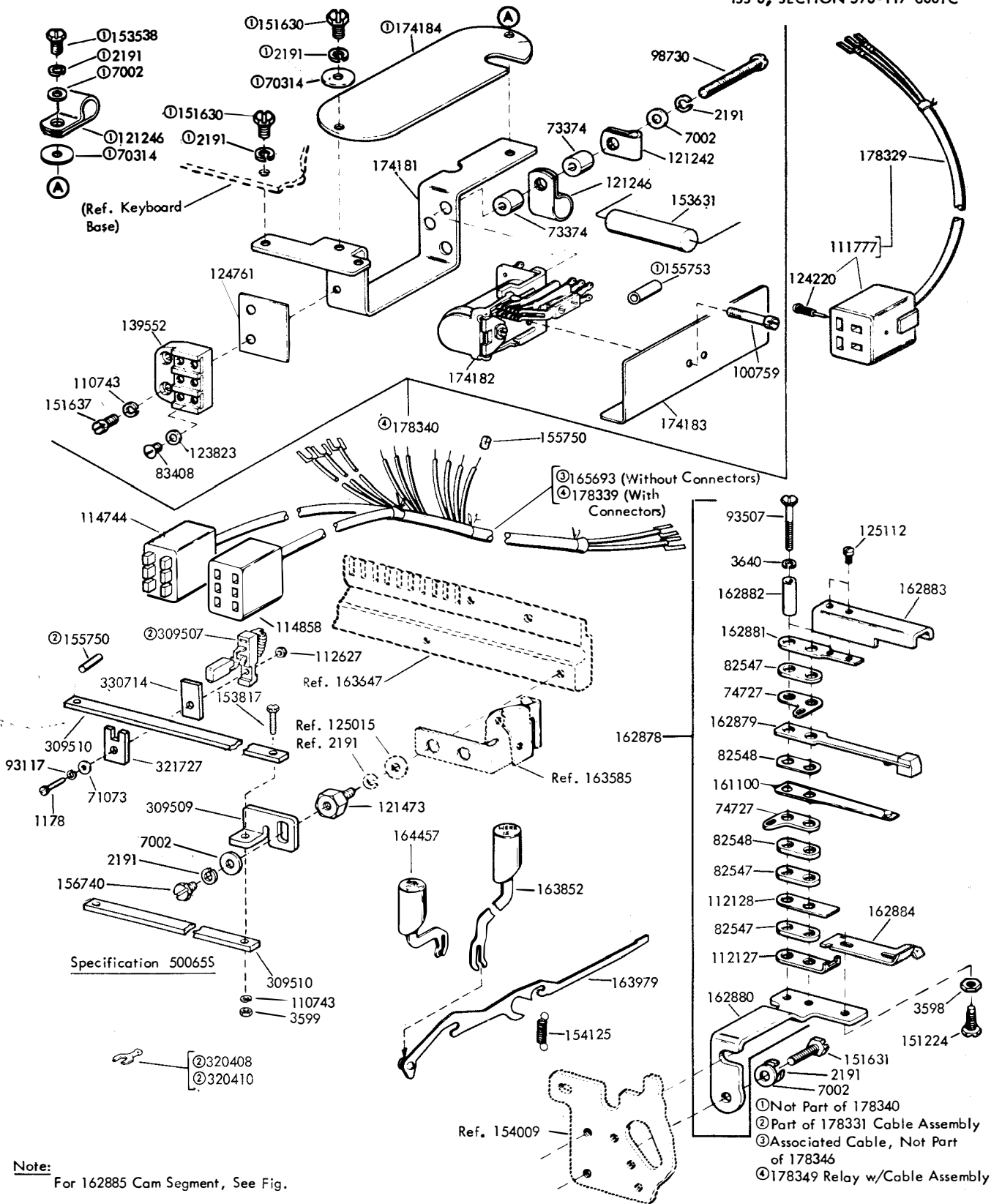


FIGURE 36. 155990 CHARACTER COUNTER ASSEMBLY



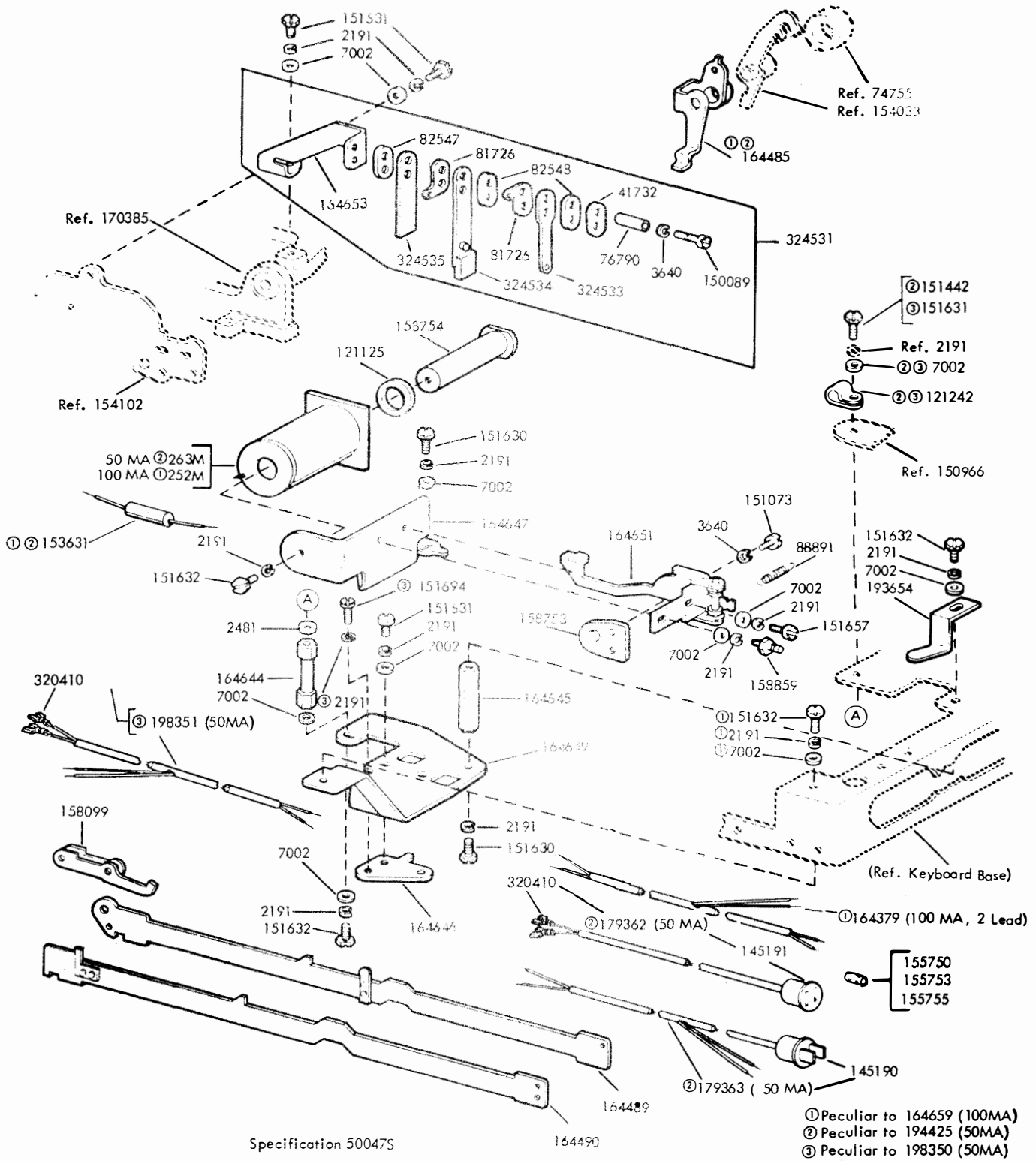


FIGURE 38. 164659 (100MA), 194425 (50MA) AND 198350 (50MA) MODIFICATION KITS TO PROVIDE SYNCHRONOUS PULSED TRANSMISSION

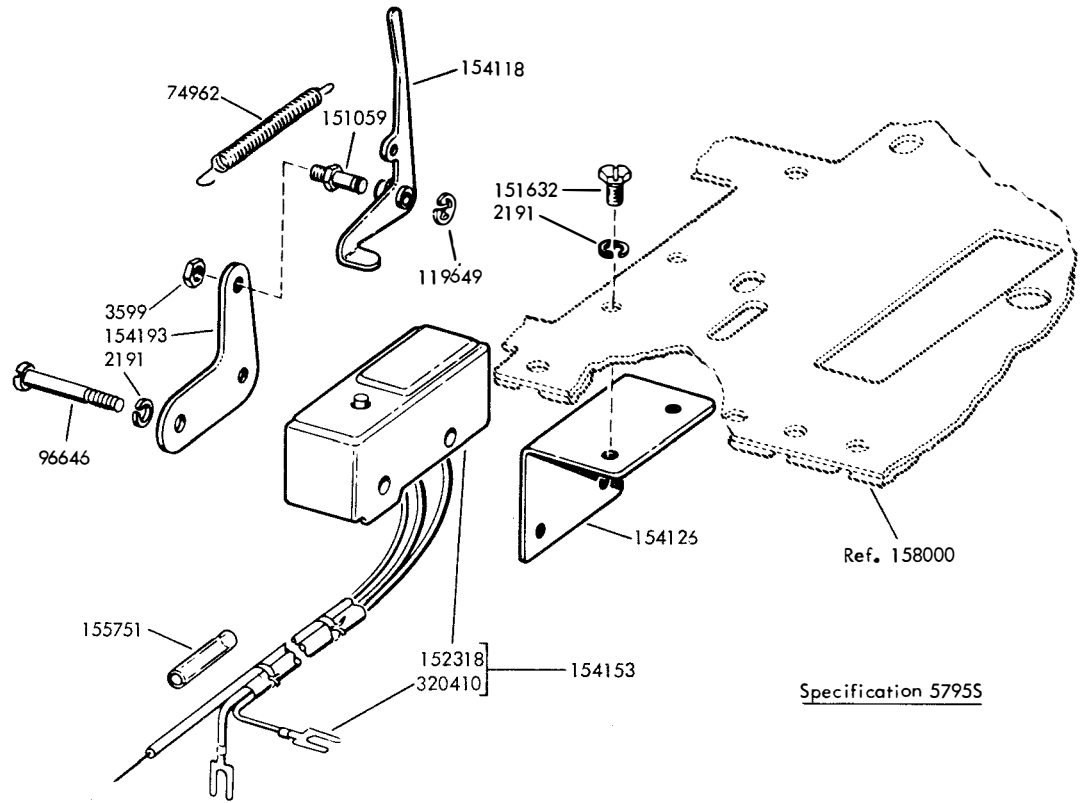


FIGURE 39. 154147 MODIFICATION KIT TO PROVIDE LOCAL PAPER FEED-OUT MOTOR STARTING MECHANISM

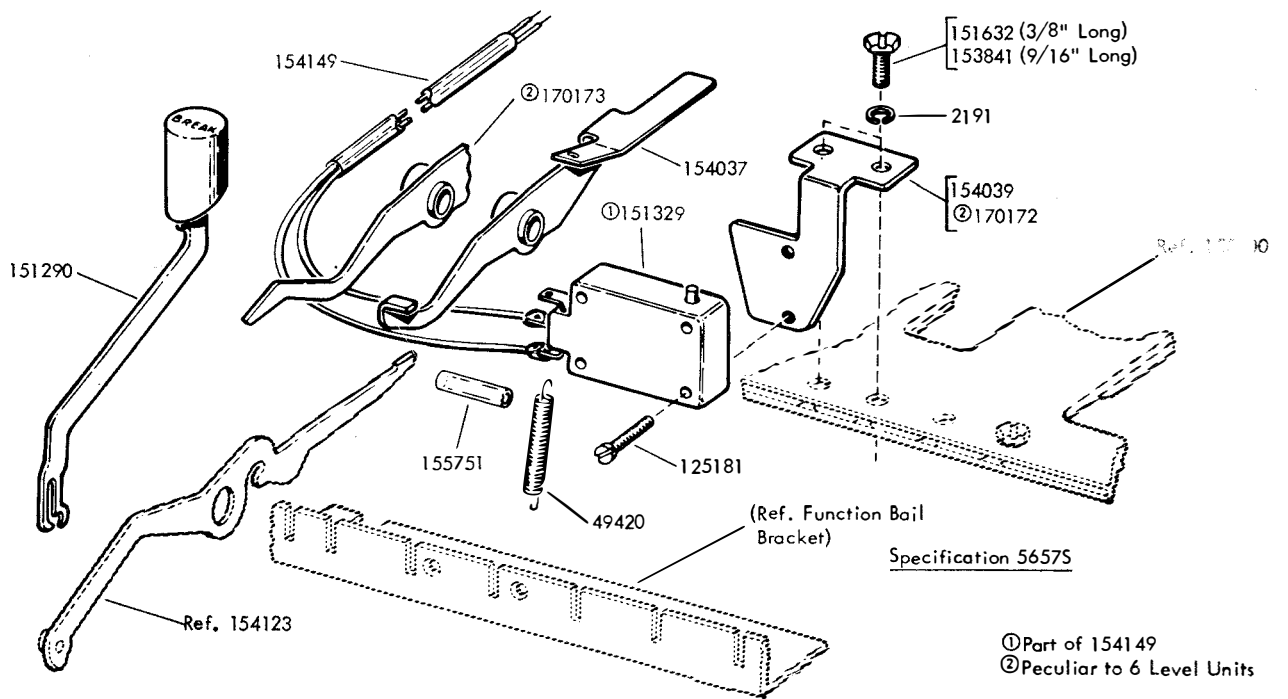


FIGURE 40. 154141 MODIFICATION KIT TO PROVIDE ELECTRICAL SIGNAL LINE BREAK MECHANISM

- ① Part of 154149
- ② Peculiar to 6 Level Units

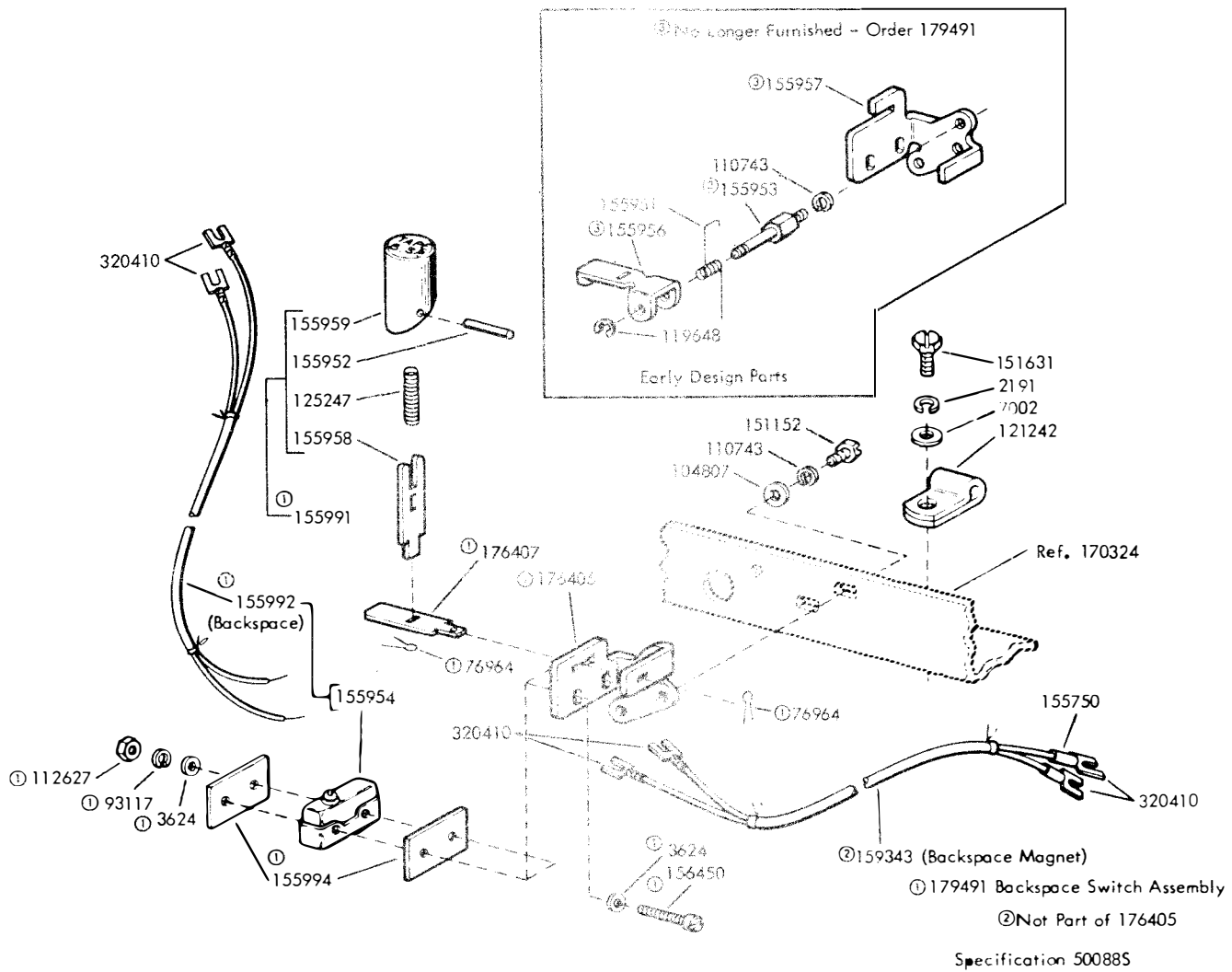


FIGURE 41. 176405 MODIFICATION KIT TO ADD TAPE BACKSPACE BUTTON

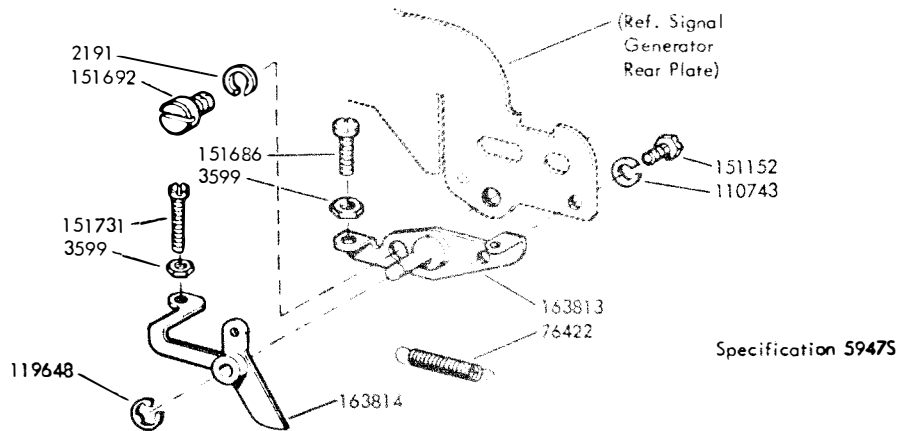
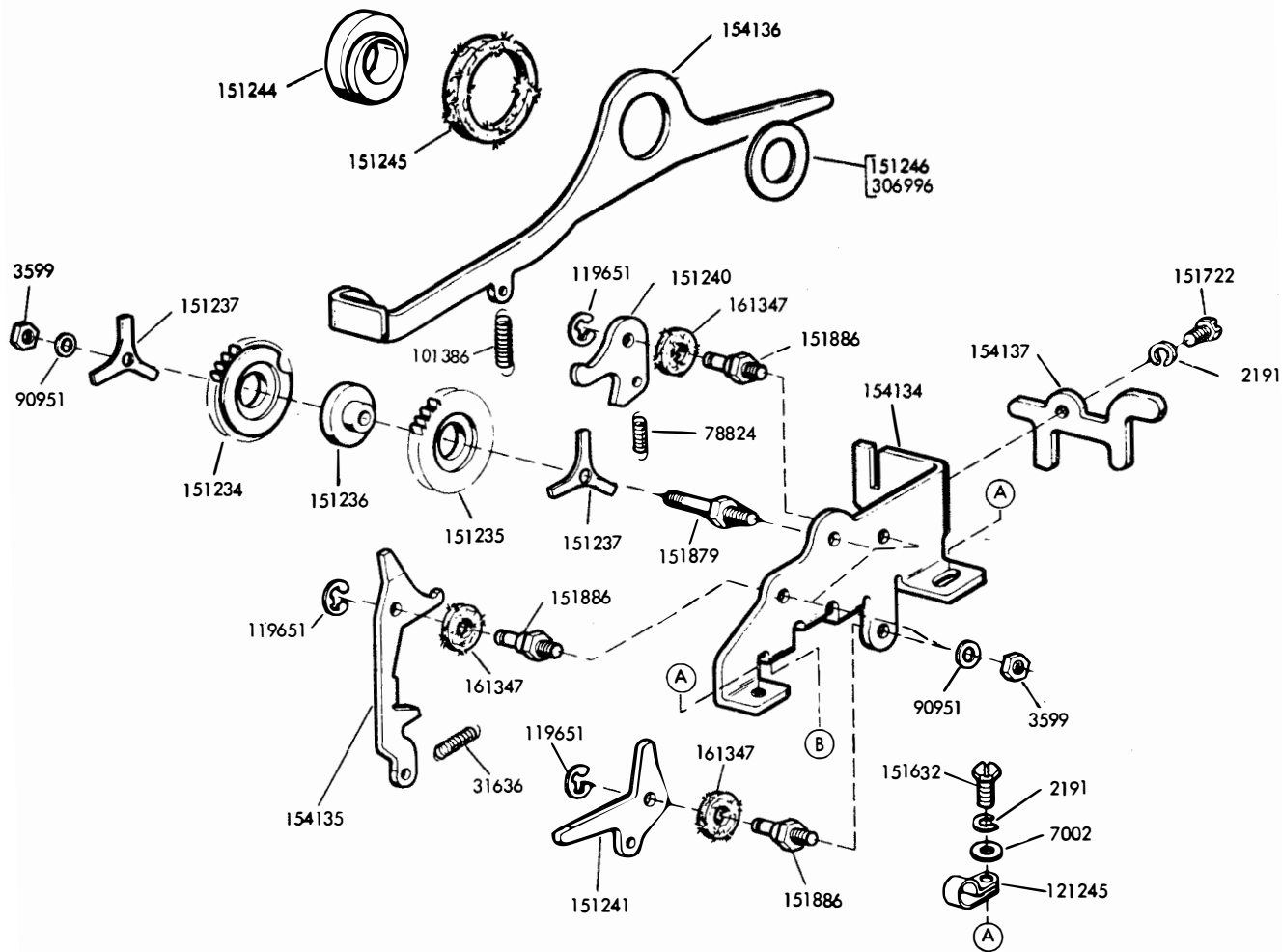


FIGURE 42. 163775 MODIFICATION KIT TO PROVIDE REPEAT ON SPACE MECHANISM



SPECIFICATION 58925

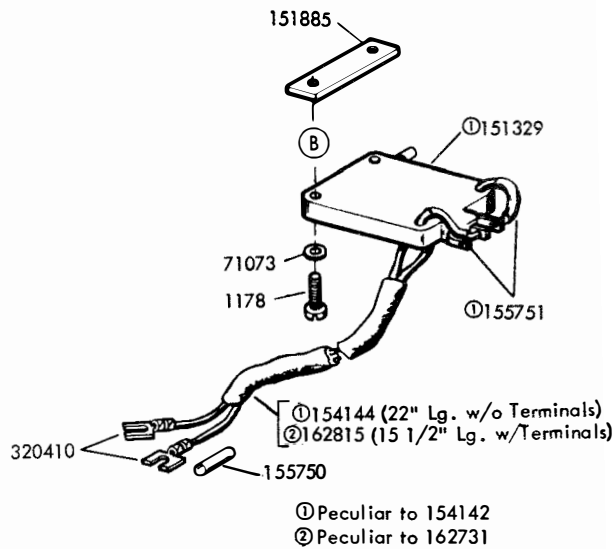
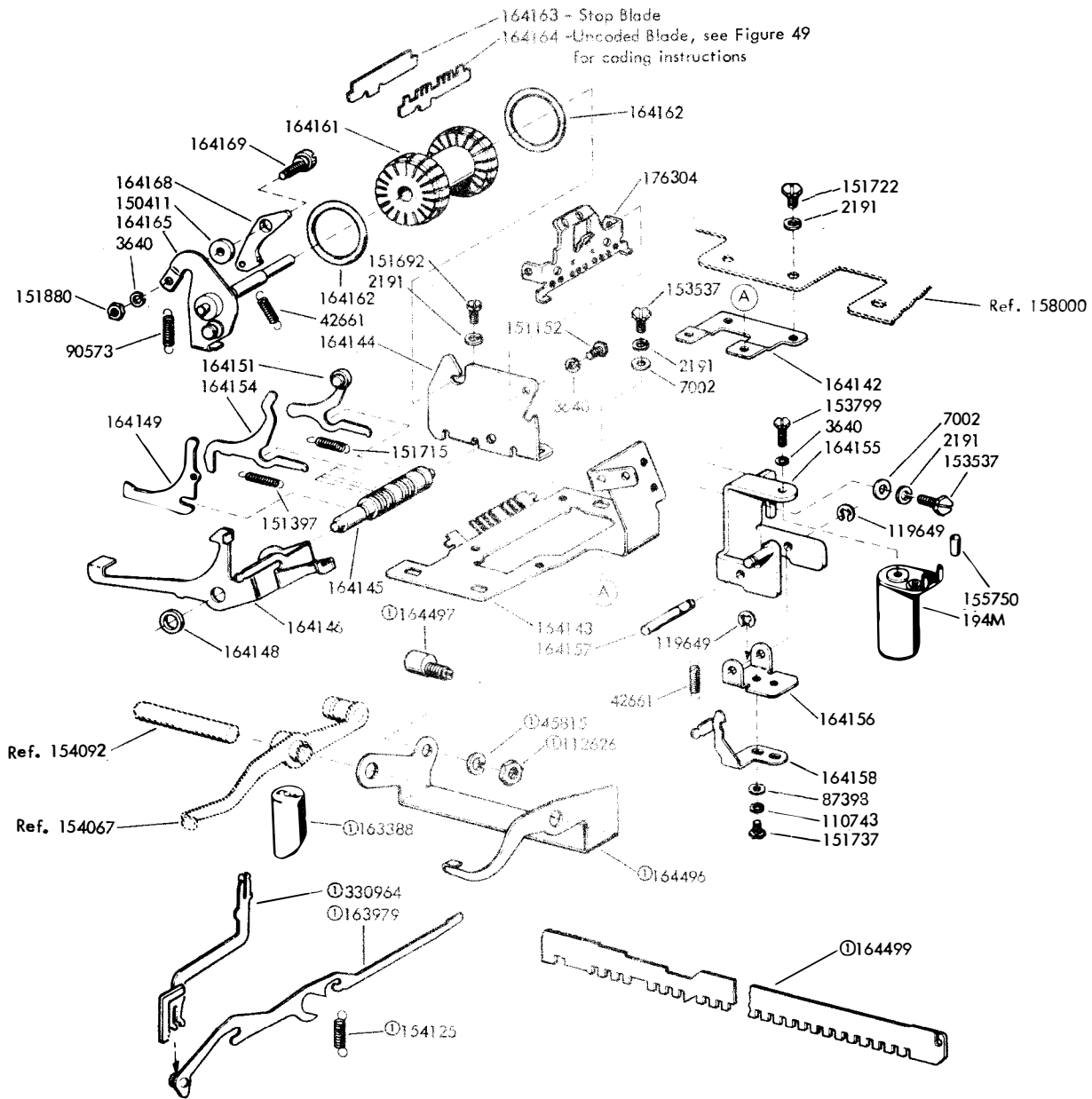


FIGURE 43. 154142 AND 162731 MODIFICATION KITS TO PROVIDE KEYBOARD WITH TIME DELAY MECHANISM



164502 - Specification 5954S
 172945 - Specification 50006S

Ⓞ Peculiar to 164502 Only

FIGURE 44. 164502 (END OF MESSAGE GENERATOR) AND 172945 (ANSWER-BACK) MODIFICATION KITS - SEE FIGS. 45, 46 AND 47

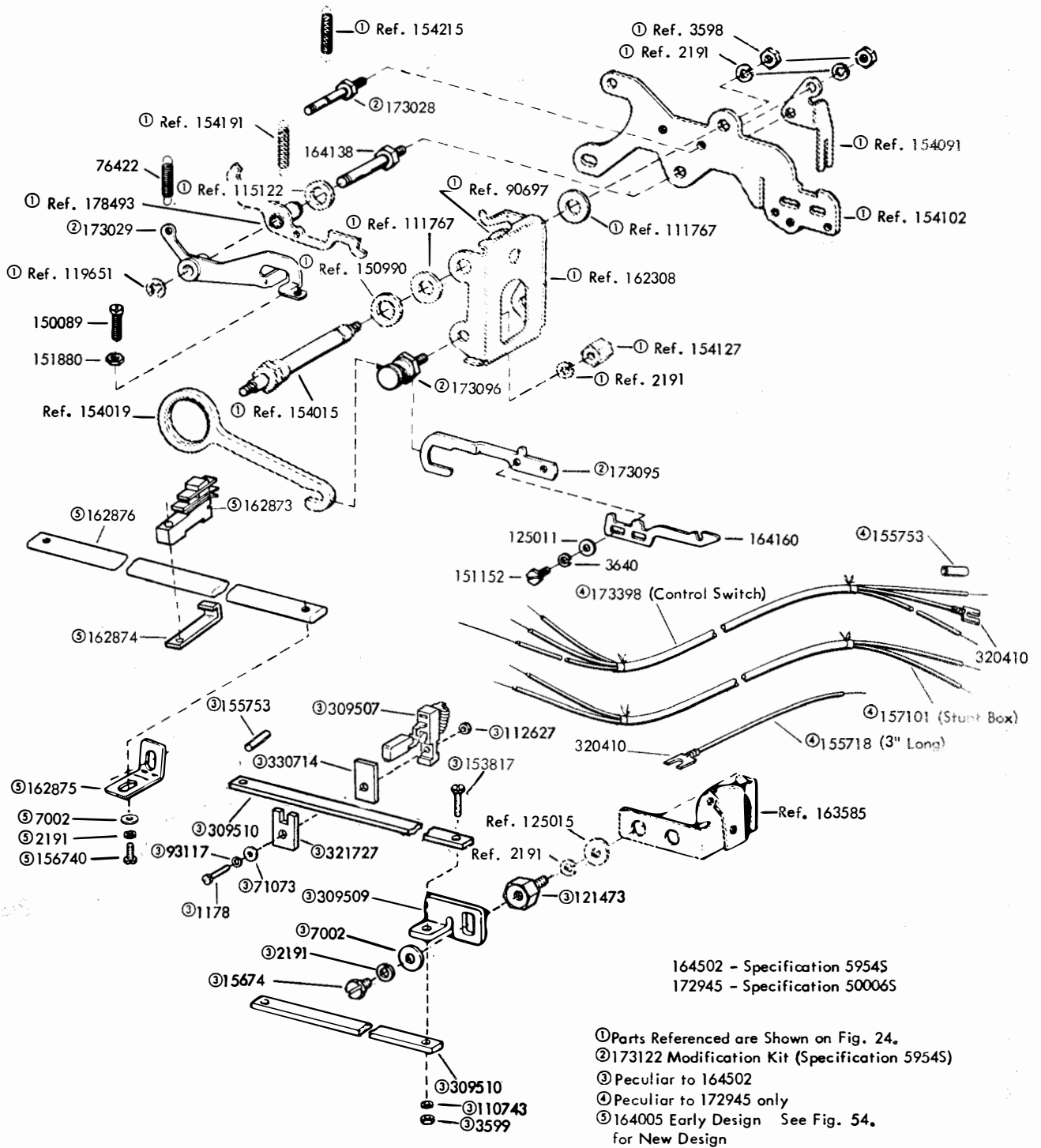


FIGURE 45. 164502 (END OF MESSAGE GENERATOR) AND 172945 (ANSWER-BACK) MODIFICATION KITS - SEE FIGS. 44, 46 AND 47.

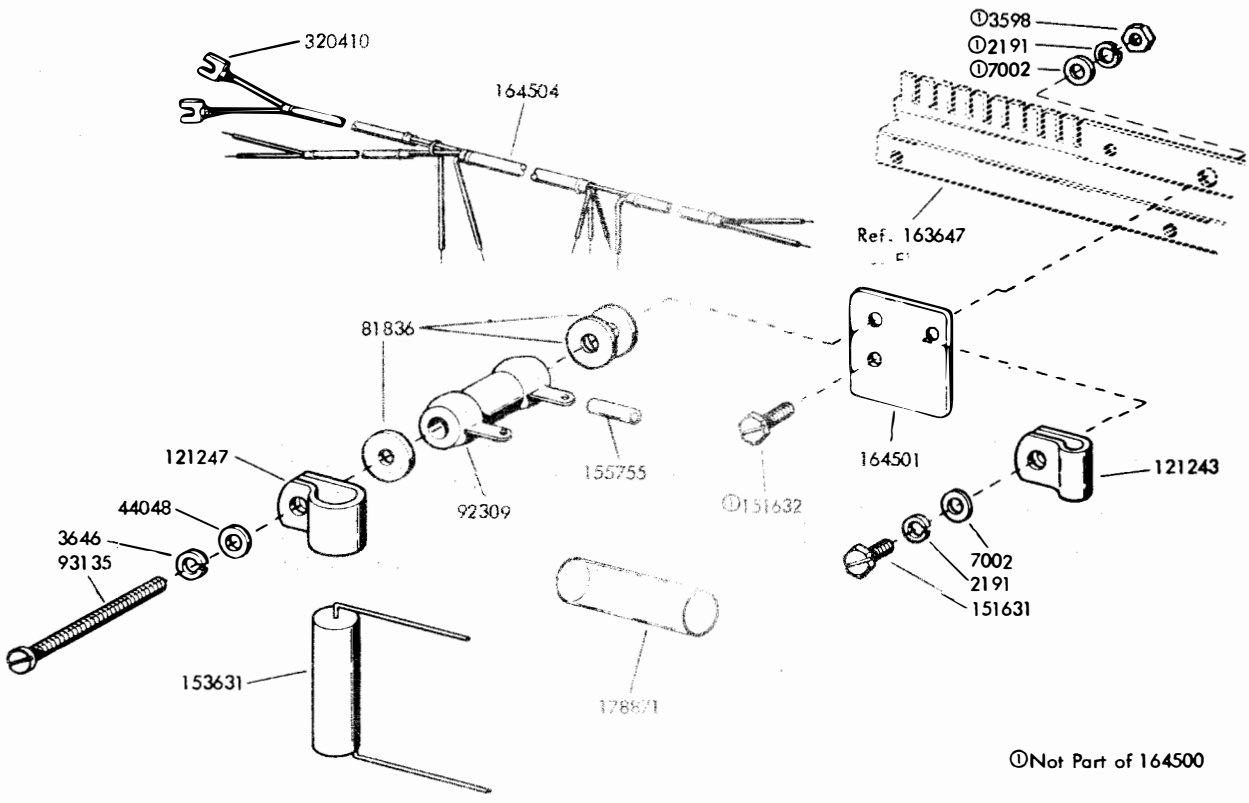


FIGURE 46. 164500 RESISTOR ASSEMBLY (PART OF 164502 MODIFICATION KIT - SEE FIGS. 44 AND 45)

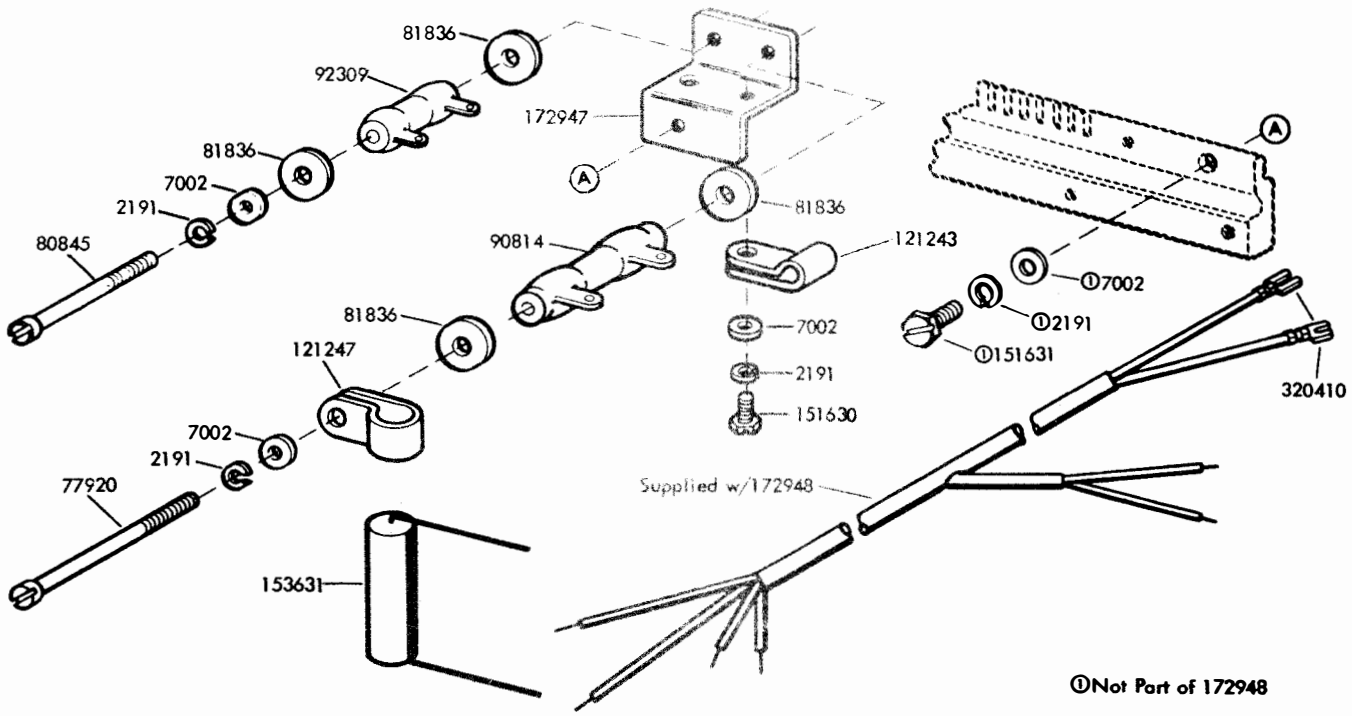
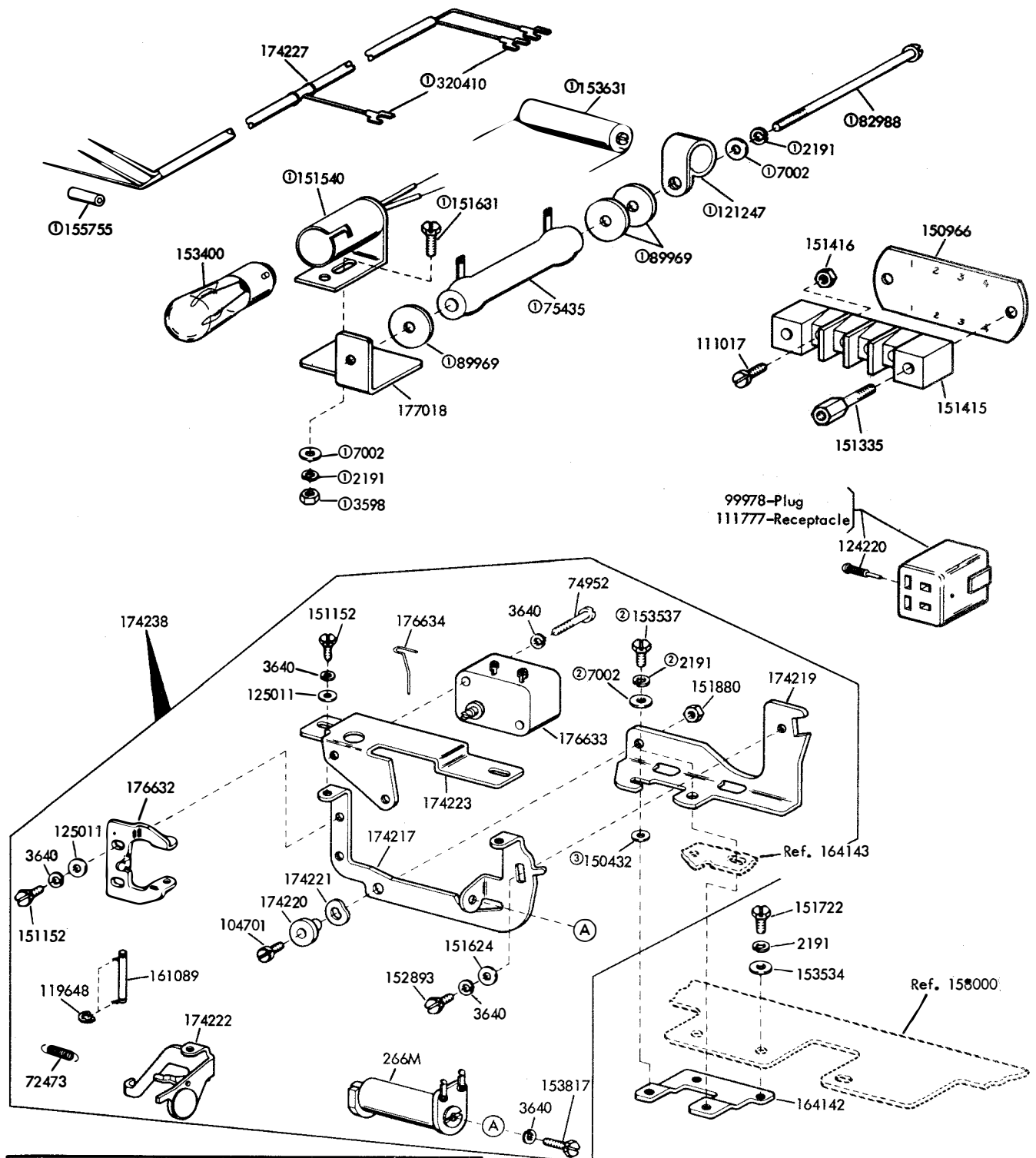


FIGURE 47. 172948 RESISTOR ASSEMBLY (PART OF 172945 MODIFICATION KIT - SEE FIGS. 44 AND 45)



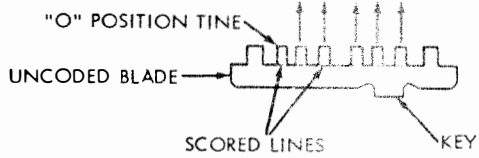
CABLE CHART				
CABLE ASSEMBLY	TERMINAL	INSL. SLEEVE	RECEPTACLE	PLUG
174225	320410	155754	111777	
174226	320410			
174227	320410	155755		99978
179740	320410	155754		

- ① Part of 174227 Cable Assembly
- ② Not Part of 174238 Electro Magnet Assembly
- ③ Only One 150432 Flat Washer is Used
When Answer Back is Present
Specification 501125

FIGURE 48. 164426 MODIFICATION KIT TO ADD HORIZONTAL TAB DISABLER

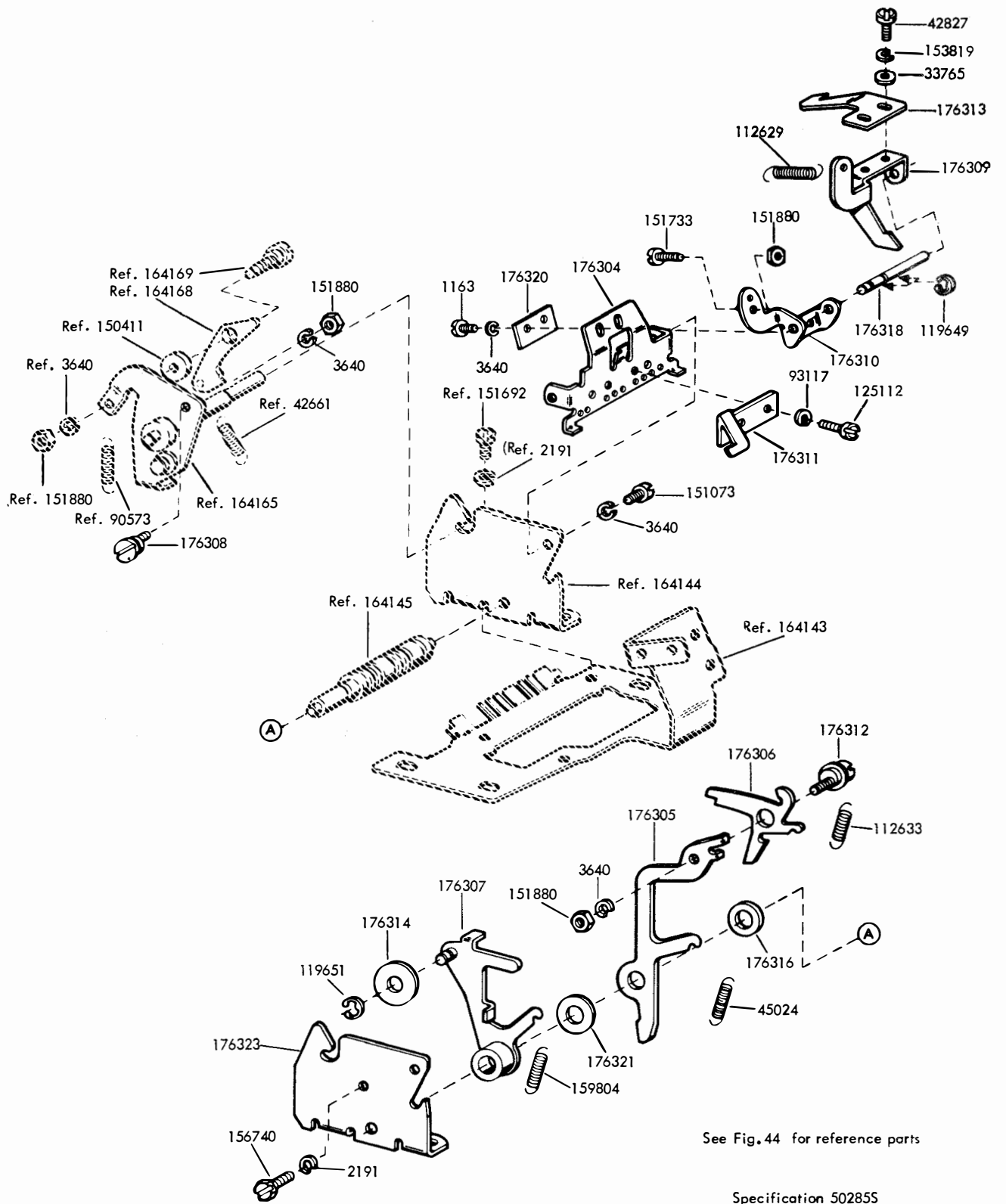
CHARACTER	CODE				
	1	2	3	4	5
A	X	X			
B	X			X	X
C		X	X	X	
D	X			X	
E	X				
F	X		X	X	
G		X		X	X
H			X		X
I		X	X		
J	X	X		X	
K	X	X	X	X	
L		X			X
M			X	X	X
N			X	X	
O				X	X
P		X	X		X
Q	X	X	X	X	
R		X		X	
S	X		X		
T					X
U	X	X	X		
V		X	X	X	X
W	X	X			X
X	X		X	X	X
Y	X	X	X	X	
Z	X				X
CARRIAGE RETURN				X	
LINE FEED		X			
LETTERS SHIFT	X	X	X	X	X
FIGURES SHIFT	X	X		X	X
SPACE			X		
BLANK					

— LEAVE TINE
 — REMOVE TINE



Coding Instructions for the Code Blades used in the Answer Back Feature on an LAK Keyboard Base.

FIGURE 49. CODING THE KEYBOARD ANSWER-BACK DRUM BLADE



See Fig. 44 for reference parts

Specification 502855

FIGURE 50. 176395 MODIFICATION KIT TO PROVIDE LOCK BAR RESET TO ANSWER-BACK

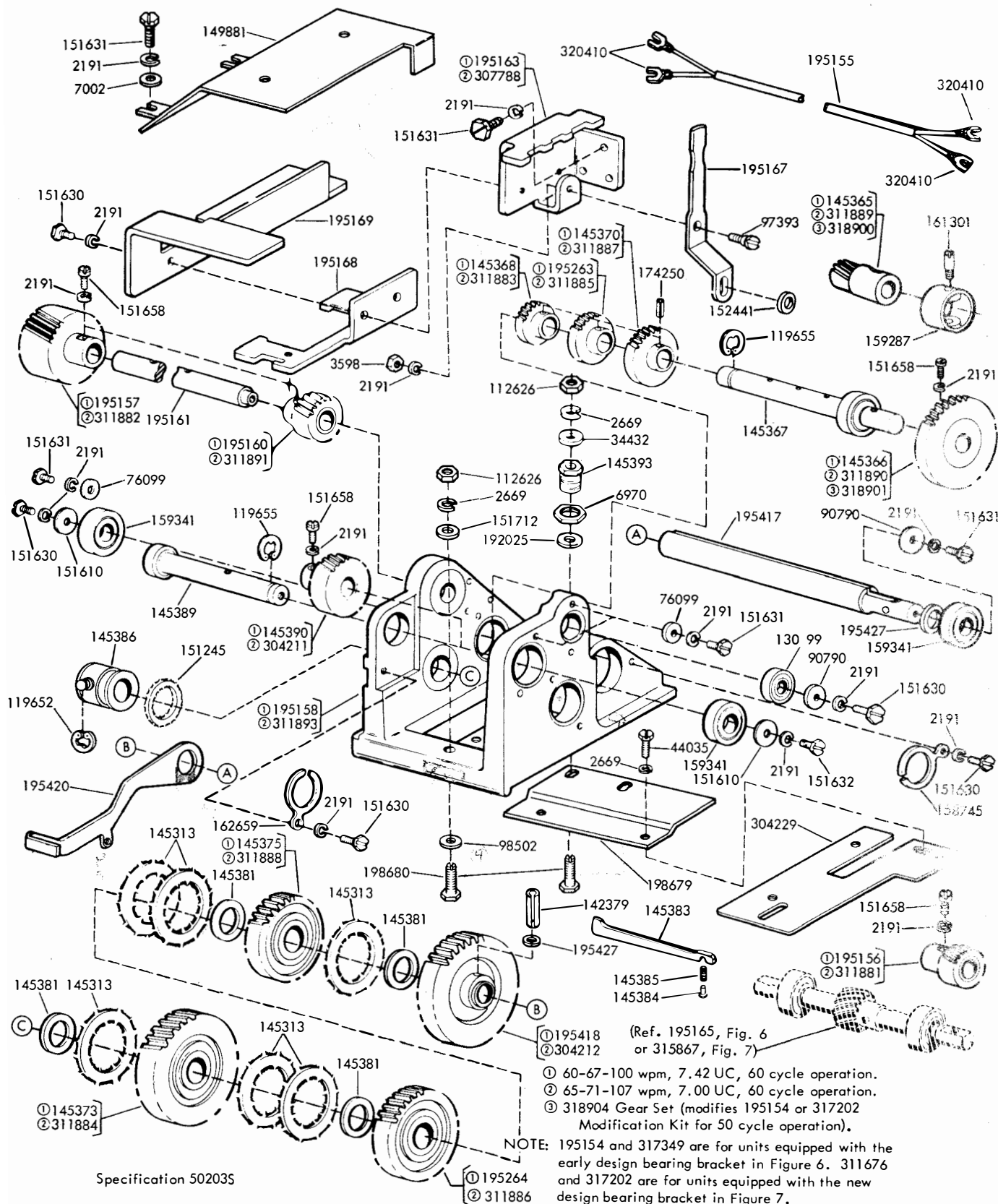


FIGURE 52. 195154 AND 317202 (60-67-100 WPM, 7.42 UNIT CODE) AND 311676 AND 317349 (65-71-107 WPM, 7.00 UNIT CODE) MODIFICATION KITS TO ADD THREE SPEED GEAR SHIFT TO KEYBOARD

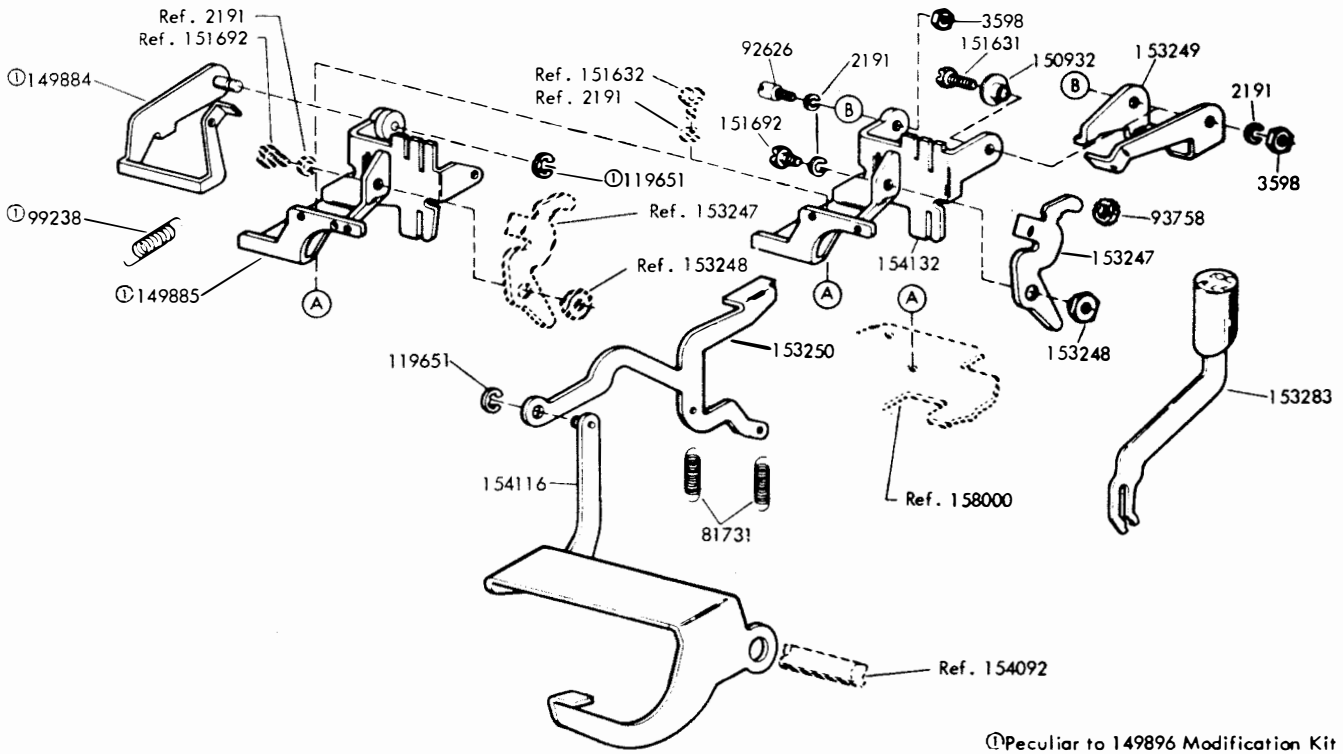


FIGURE 53. 149896 AND 154145 MODIFICATION KITS TO PROVIDE LOCAL REVERSE LINE FEED MECHANISM (MARK III)

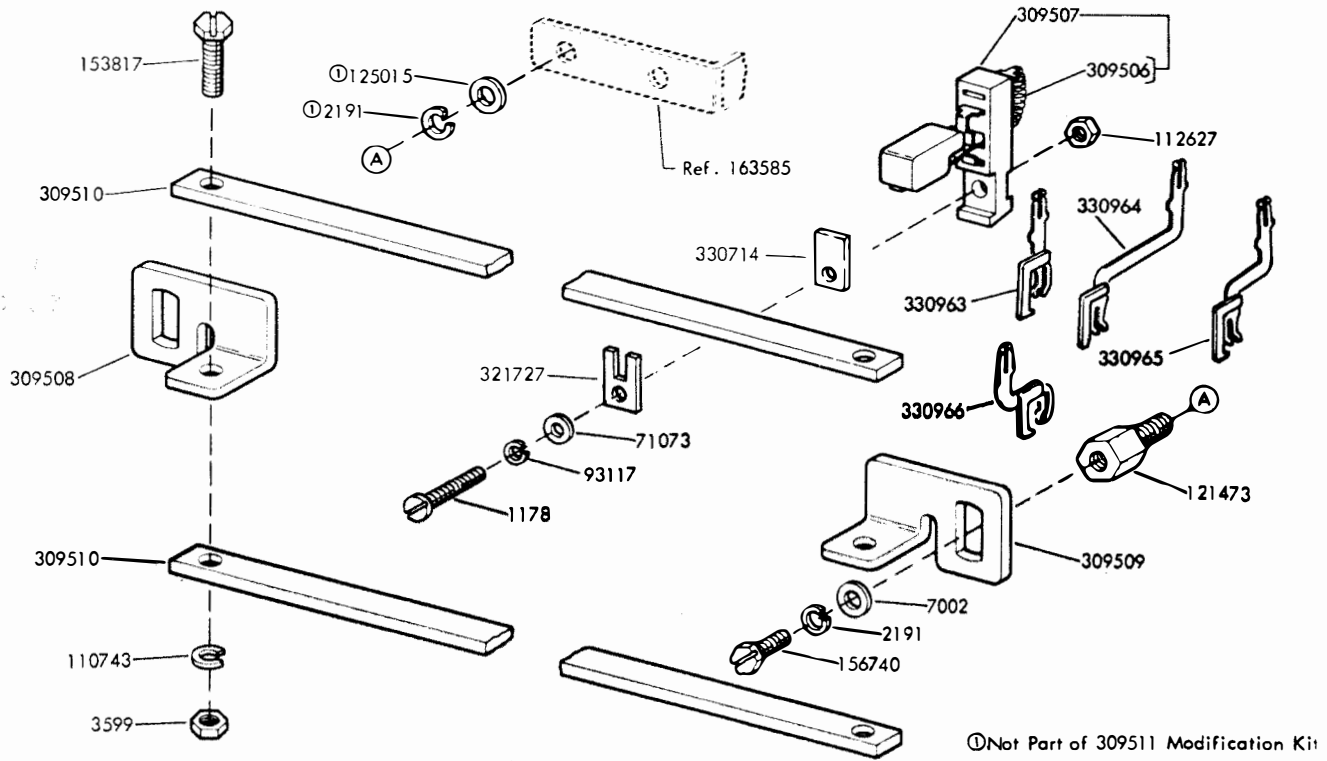
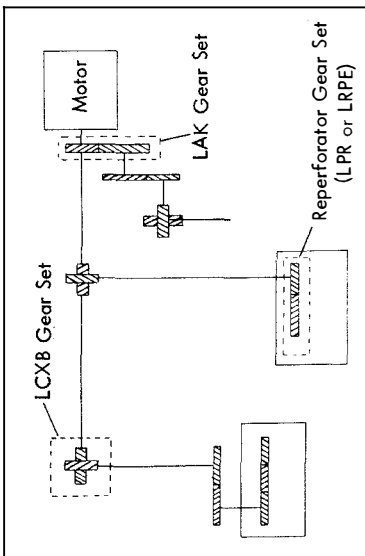
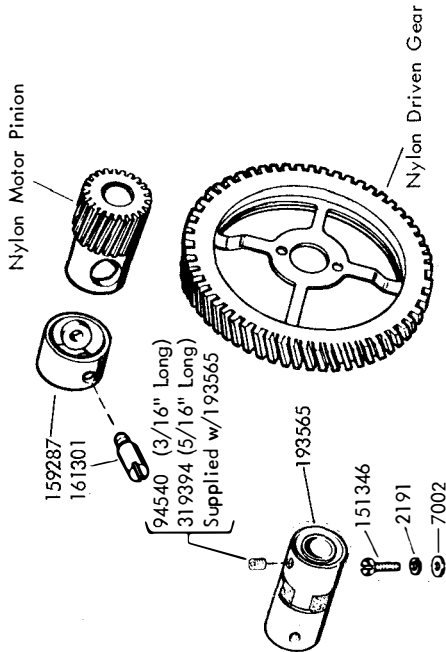
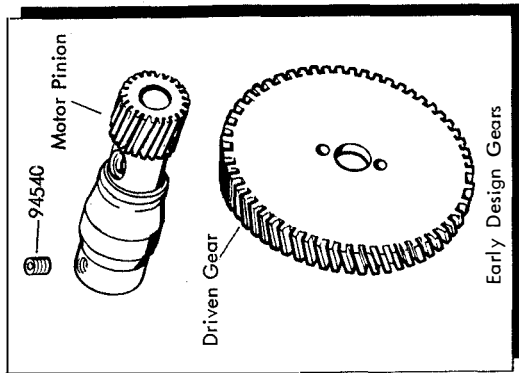


FIGURE 54. 309511 MODIFICATION KIT TO PROVIDE UNIVERSAL KEYBOARD SWITCH ON (MARK III) KEYBOARDS



+Gears For Motors Operating on 50 Cycle Current at 3000 RPM.
 *Includes keyboard and single TD gear sets only.
 **Modification Kit including keyboard and single TD gear sets and the 193565 coupling (required when replacing an early style gear set).
 #Includes keyboard, single TD base and repeater gear sets.
 ##Includes keyboard, dual TD base and repeater gear sets.

Mounts Steel Pinion To Motor Shaft

WPM/OPM Baud Unit Code	81/488 56.9 7.00	71/428 50 7.00	106/636 74.2 7.00	60/368 45.5 7.42	67/404 50 7.42	75/460 56.88 7.42	100/600 74.2 110 7.42 11.0	61/364 45.5 7.50	66/400 50 7.50	100/600 75 7.50	88/529 75 8.50
Keyboard (LAK) Gear Set includes: Isolator Post (2)	198050 198051-17T 198052-97T 159287 161301	163504 163461-18T 163462-117T 159287 161301	198053 198054-21T 198055-92T 159287 161301	161293 159278-14T 194925-13T 159279-96T 159287 161301	194927 194925-13T 194926-81T 159287 161301	161294 159281-17T 159282-93T 159287 161301	161295 159284-20T 173794-14T 159285-84T 159287 161301	173795 173794-14T 173793-100T 159287 161301	163504 163461-18T 163462-117T 159287 161301	163505 163463-24T 163464-104T 159287 161301	170089 170185-25T 170186-119T 159287 161301
Single TD Base (LCXB) Gear Set includes:	198056 198057-19T 198058-70T	161357 161333-10T 161332-42T	159883 155998-12T 155999-34T	158029 158005-9T 158006-44T	161356 161331-11T 158004-47T	158028 158003-12T 158002-11T	158027 158002-11T 158001-33T	178775 178776-17T 178777-56T	178772 178773-20T 178774-60T	178769 178770-23T 178771-46T	
Dual TD Base (LCXB) Gear Set includes:					195146 195144-11T 195145-49T		170293-11T 170297-33T				170189-15T 170190-51T
Repeater (LPR or LRPE) Gear Set includes:		163457 163455-20T 163456-52T		163023 163021-28T 163022-80T	195184 195182-20T 195183-52T	163024 163019-21T 163020-48T	163025 163015-28T 163018-49T				170187-30T 170188-59T
ASR Gear Set (w/Single TD) ASR Gear Set (w/Dual TD)				*161859 **164583	#194928 **163302 #195147	*161860 **164584	*161861 **164585 #170100				#170088
Keyboard (LAK) Gear Set includes: (Motor Speed 3000 RPM)			*312705 312691-26T 312692-94T	+307850 307846-70T 307845-57T	+307851 307848-15T 307849-70T		+307852 307846-20T 307847-70T				
Single TD Base (LCXB) Gear Set includes: (Motor Speed 3000 RPM)			#219917 319914-20T 319916-56T	+305570 305569-22T 305570-55T	+305571 305572-52T		+305577 305569-22T 305570-55T				

FIGURE 55. GEAR SETS

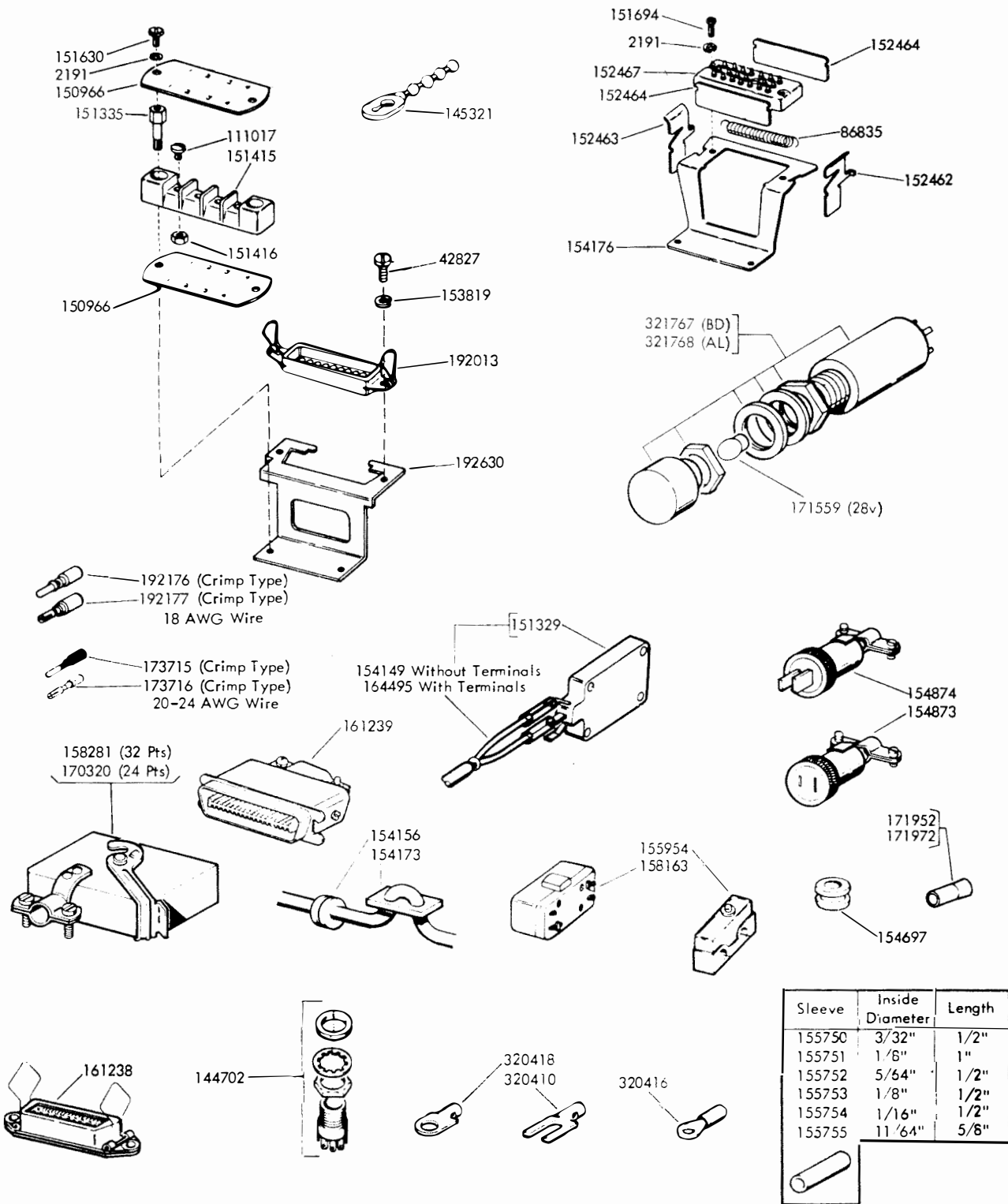


FIGURE 56. KEYBOARD CABLE COMPONENTS

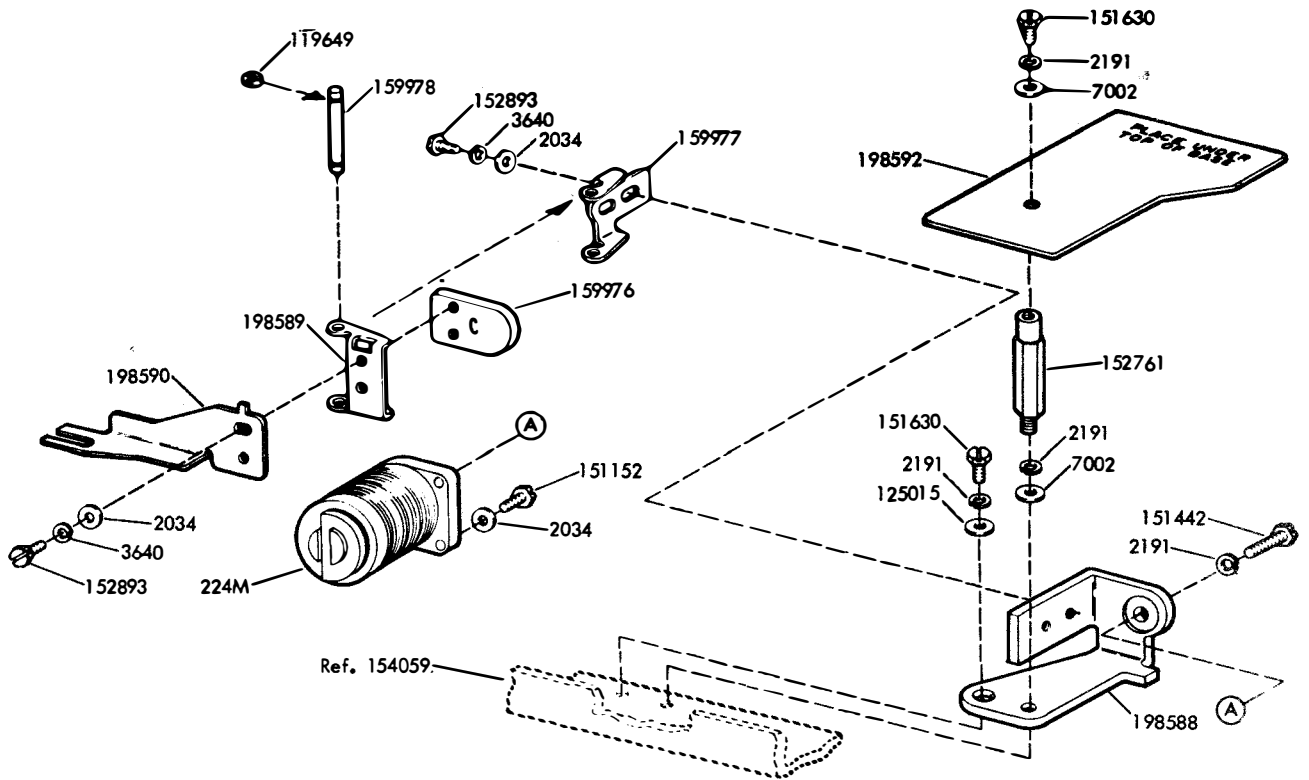


FIGURE 57. TIME DELAY RESET MECHANISM

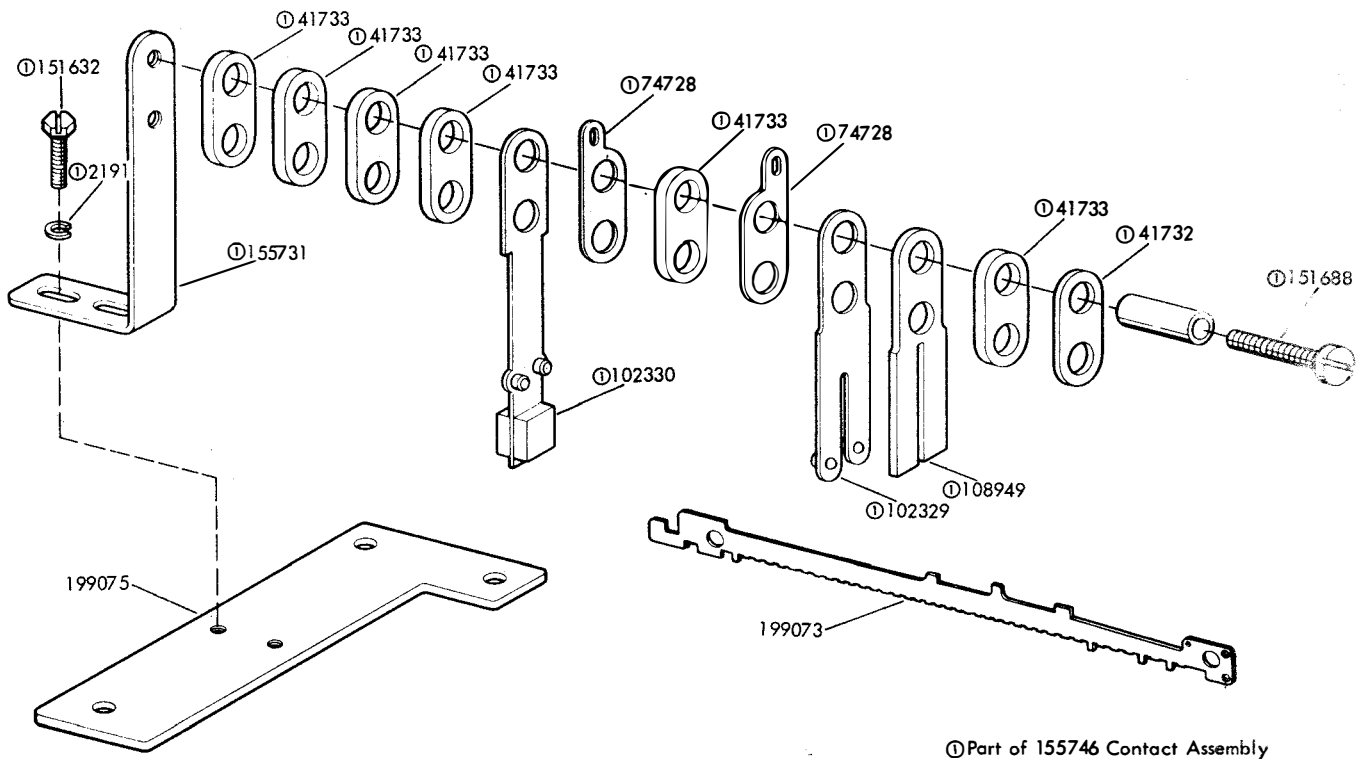


FIGURE 58. CHARACTER COUNTER STEPPING SWITCH

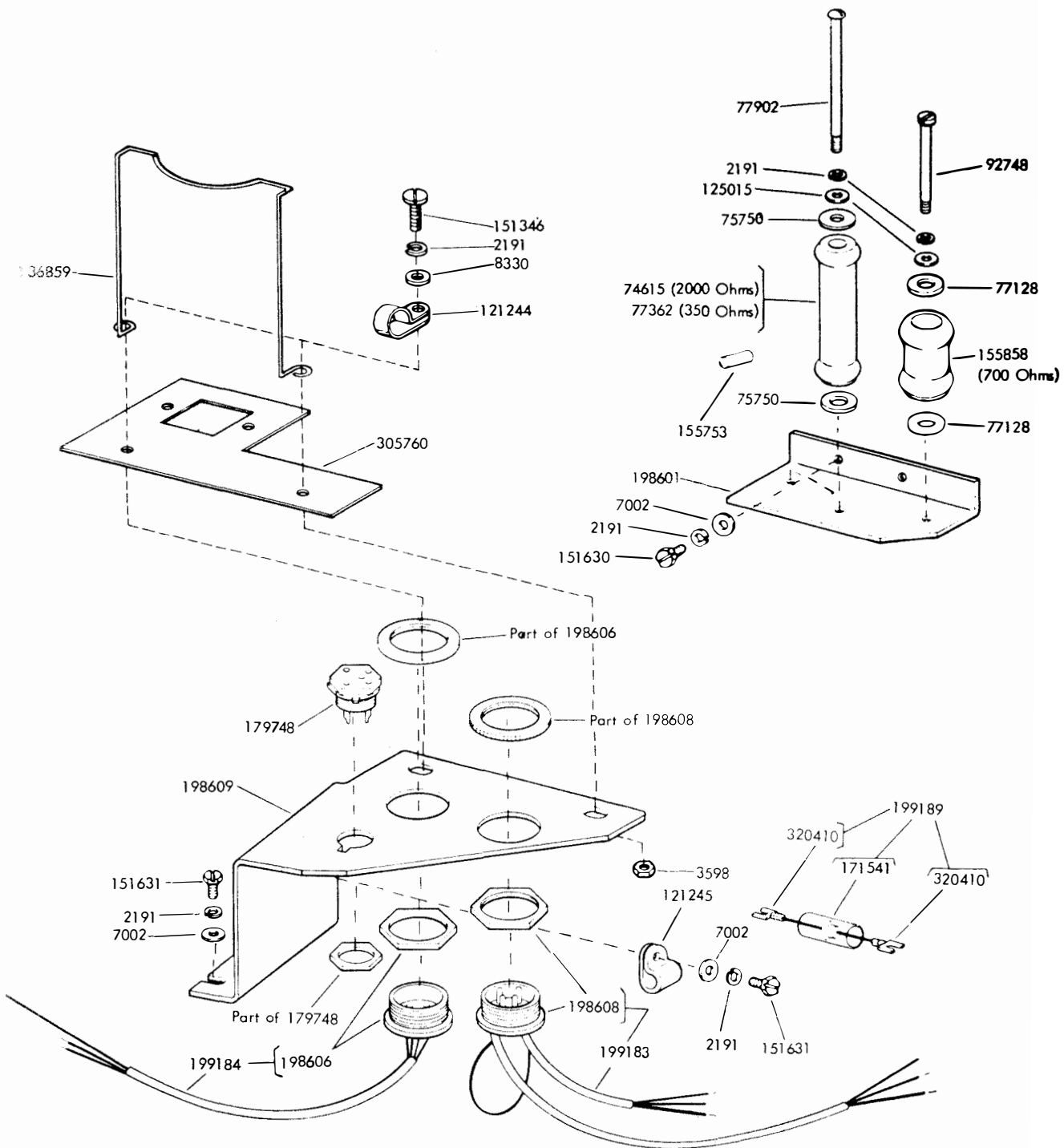
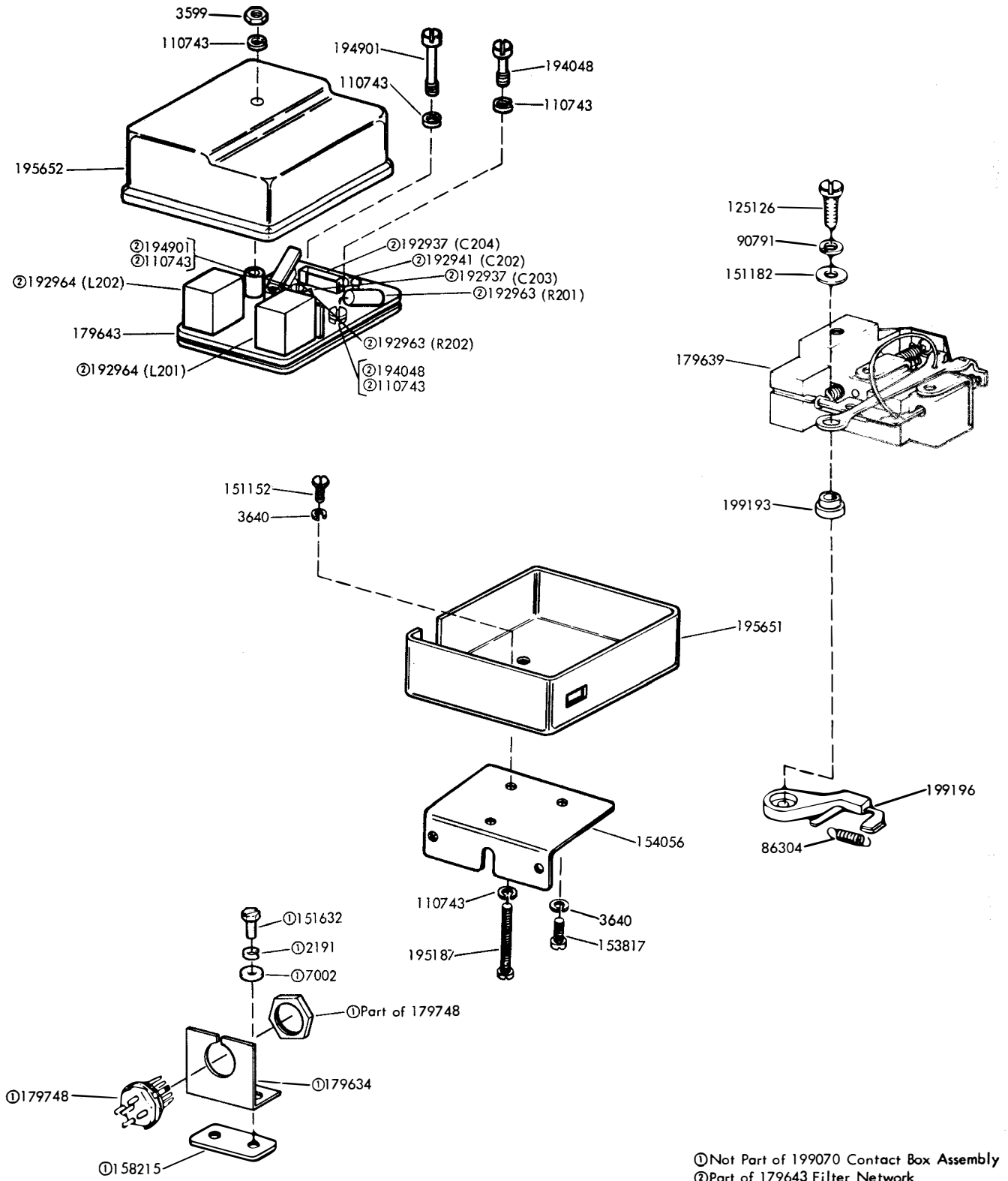


FIGURE 59. TAPE CONTAINER CONTROL COMPONENTS



① Not Part of 199070 Contact Box Assembly
 ② Part of 179643 Filter Network

FIGURE 60. 199070 CONTACT BOX ASSEMBLY

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
194M	Coil, Magnet 40	7603	Spring 23,26	74966	Bushing, Insulating 30
224M	Coil, Magnet 46,51	8330	Washer, Flat 3,5,6,11,13, 27,46,52	75435	Resistor, 600 Ohm 43
252M	Coil, Magnet 36	8449	Spacer, .094" Thk 23,33	75750	Washer, Insulating 52
263M	Coil, Magnet 36	22746	Spring 34	76081	Washer, Flat 16,17,34
266M	Coil, Magnet 43	31636	Spring 39	76099	Washer, Flat 20,47
1020	Screw, 6-40 x 1/4 Hex 22	33765	Washer, Flat 45	76379	Spring 4
1118	Screw, 6-40 Shoulder 34	34432	Washer, Flat 47	76422	Spring 38,41
1163	Screw, 4-40 x 3/16 Fil 45	35826	Washer, Flat 6	76790	Bushing, Insulating 36
1164	Screw, 2-56 x 3/16 Fil 29	36318	Washer, Flat 23	76964	Pin, Cotter 38
1178	Screw, 2-56 x 7/16 Fil 29,33,35,39,41,48	36358	Spring 17	76966	Screw, 10-32 Set 28
1210	Screw, 2-56 x 5/8 Fil 27, 33	41385	Spring 27	77039	Bushing, Insulating 9
1248	Screw, 6-40 x 1/2 Flat 14	41663	Washer, Flat 26	77128	Washer, Insulating 52
1257	Screw, 10-32 x 1-1/8 Fil 6	41675	Washer, Flat 27	77362	Resistor, 350 Ohm 4
1274	Screw, 6-40 x 1-1/8 Fil 12	41732	Plate, Clamp 9,27,31,36, 51	77902	Screw, 6-40 x 2-3/8 Rd 52
1293	Screw, 4-40 x 1/8 Fil 24, 25	41733	Insulator, .062" Thk 51	77920	Screw, 6-40 x 1-15/16 Fil 42
2034	Washer, Flat 51	42661	Spring 40,45	77999	Resistor, 500 Ohm 4
2191	Lockwasher 3 to 12,13,15, 16,17,18,20,22 to 28,30, 32 to 42,43,45,46 to 53	42823	Washer, Flat 21,26	78533	Spring 23
2415	Spring 16,17	42827	Screw, 3-48 x 1/4 Fil 45, 50	78824	Spring 39
2422	Lockwasher 27	44035	Screw, 10-32 x 9/16 Hex 47	80402	Screw, 4-40 x 15/32 Fil 8
2481	Washer, Flat 34,36	44048	Washer, Flat 42	80581	Spring 22,26
2669	Lockwasher 3,4,5,6,7,8, 20,47	45024	Spring 45	80755	Bushing, Insulating 31
3438	Washer, Flat 3,4,5,6,46	45815	Lockwasher 26,40	80845	Screw, 10-32 x 1-7/8 Fil 42
3598	Nut, 6-40 Hex 3,6,10,12, 13,15,17,18,19,20,22,23, 30,34,35,41,42,43,47,48, 52	49420	Spring 9,16,17,37	80945	Spring 46
3599	Nut, 4-40 Hex 8,24,25,27, 35,37,38,39,41,48,53	55063	Spring 16	81596	Screw, 10-32 x 1-3/8 Hex 46
3606	Nut, 6-40 Hex 23,27,30,34	55669	Spring 27	81726	Terminal 36
3624	Washer, Flat 33,38	70314	Washer, Flat 8,35	81731	Spring 10,48
3639	Lockwasher 3,7	70388	Spring 22	81774	Washer, Flat 15
3640	Lockwasher 8,19,23,24,25, 26,27,30,31,33,35,36,40, 41,43,45,46,51,53	71073	Washer, Flat 35,39,41,48	81836	Washer, Insulating 42
3646	Lockwasher 42	71858	Washer, Flat 27	82547	Insulator, .094" Thk 9, 30,35,36
3650	Washer, Flat 46	72473	Spring 43	82548	Insulator, .062" Thk 9, 30,31,35,36
3807	Spring 33	73008	Washer, Flat 26	82860	Spring 10
3870	Spring 3,20	73035	Spring 10	82988	Screw, 6-40 x 2-1/2 Rd 43
4702	Spring 20	73374	Spacer, .250" Thk 35	83408	Screw, 4-40 x 3/16 Rd 35
6970	Nut, 3/8-32 Hex 6,46,47	73776	Screw, 3/16-32 x 1-3/16 Fil 6	83814	Washer, Flat 28
7002	Washer, Flat 3,4,9,10,11, 12,13,15,16,17,18,20,24, 25,26,27,28,30,32,33,34, 35,36,38,39,40,41,42,43, 46,47,48,49,51,52,53	74014	Screw, 10-32 x 3/4 Hex 3	86283	Spring 16,17
		74615	Resistor, 2,000 Ohm 52	86304	Spring 24,25,53
		74727	Terminal, Contact 30,35	86742	Nut, 4-40 Hex 7,23
		74728	Terminal, Contact 9,31,51	86772	Screw, 6-40 Eccentric Shoulder 17
		74755	Washer, Felt 20,36	86774	Screw, 6-40 Shoulder 3,4
		74805	Screw, 10-32 x 3/4 Hex 20,46	86835	Spring 50
		74807	Nut, 10-32 Shoulder Hex 26	87398	Washer, Flat 40
		74952	Screw, 4-40 x 5/8 Fil 43	88891	Spring 36
		74962	Spring 37	89969	Washer, Insulating 43
				90573	Spring 26,40,45

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
90606	Spring 33	110437	Spring 33	121243	Clamp, 3/16 ID Cable 42
90679	Washer, Felt 23	110743	Lockwasher 7,9,19,20,21, 22,24,25,26,29,33,34,35, 38,40,41,48,53	121244	Clamp, 1/4 ID Cable 3,18, 52
90697	Screw, 10-32 Pivot 41			121245	Clamp, 5/16 ID Cable 39, 52
90790	Washer, Flat 47	111017	Screw, 6-40 x 5/16 Fil 3, 4,43,50	121246	Clamp, 3/8 ID Cable 3,35
90791	Lockwasher 24,25,53			121247	Clamp, 7/16 ID Cable 42, 43
90814	Resistor, 1,000 Ohm 42	111343	Clamp, Retaining 19	121473	Post 35,41,48
90951	Lockwasher 39	111767	Washer, Flat 23,41	123823	Washer, Flat 35
91683	Nut, 15/32-32 Hex 14	111777	Connector, 4 Pt	124177	Lockwasher 34
91684	Nut, 15/32-32 Ring 14		Receptacle 35,43	124220	Pin, Drive 35,43
92309	Resistor, 400 Ohm 42	112127	Hinge 30,35	124244	Washer, Felt 4
92626	Stud 10,48	112128	Retainer 30,35	124681	Screw, 6-40 Set 46
92748	Screw, 6-40 x 1-7/16 Fil 52	112498	Screw, 6-40 x 3/4 Flat 14	124761	Plate, Insulating 35
93117	Lockwasher 27,29,33,35, 38,41,45,48	112626	Nut, 10-32 Hex 5,6,20,40, 47	124999	Switch, Sensitive 33
93135	Screw, 8-32 x 1-3/4 Fil 42	112627	Nut, 2-56 Hex 35,38,41,48	125011	Washer, Flat 19,20,23,25, 27,30,31,41,43
93160	Washer, Flat 7,8	112629	Spring 45	125015	Washer, Flat 3,6,7,8,11, 13,23,35,41,48,51,52
93191	Screw, 4-40 x 5/16 Flat 14	112630	Spring 3	125112	Screw, 2-56 x 1/8 Fil 30, 35,45
93507	Screw, 4-40 x 3/4 Hex 35	112633	Spring w/Wick 45	125126	Screw, 2-56 x 9/32 Fil 24,25,53
93758	Washer, Felt 10,48	114478	Nut, 15/32-32 Hex 14	125181	Screw, 2-56 x 3/8 Fil 37
94540	Screw, 10-24 Set 7,8,49	114744	Connector, 6 Pt Plug 35	125215	Screw, 4-40 x 3/16 Hex 46
96212BK	Jumper, 4" Black 28	114858	Connector, 6 Pt	125241	Spring 26
96212W	Jumper, 4" White 28		Receptacle 35	125247	Spring 38
96646	Screw, 6-40 x 1-3/64 Fil 37	114876	Washer, Flat 34	125250	Spring 22,33
97393	Screw, 6-40 Shoulder 34, 47	115122	Washer, Felt 20,23,41	125253	Spring 17
98502	Washer, Flat 47	115141	Screw, 6-40 Shoulder 34	128271	Screw, 6-40 Shoulder 34
98726	Screw, 3-48 x 1/4 Fil 4	116698	Lamp, 6 V 14	130499	Bearing, Ball 47
98730	Screw, 6-32 x 1-1/4 Rd 35	117416	Post 20	130683	Lockwasher 27
99238	Spring 48	117535	Washer, Flat 6,7	136859	Holder, Plug 52
99978	Connector, 4 Pt Plug 43	117608	Nut, Speed 11,13	139552	Block, Terminal 35
100658	Connector, 2 Pt Plug 33	118211	Resistor, 10,000 Ohm 14	139752	Screw, 4-40 x 11/64 Fil 34
100759	Screw, 4-40 x 3/16 Flat 35	118659	Switch, Toggle 14	142379	Pin, Roll 46,47
101386	Spring 39	119467	Insulator, .032" Thk 33	142623	Reel, Tape 32
102057	Screw, 4-40 Shoulder 27	119648	Ring, Retaining 4,18,22, 38,43	144590	Screw, 6-40 x 1-3/8 Fil 14
102329	Spring, Contact 51	119649	Ring, Retaining 4,16,26, 27,37,40,45,51	144701	Plate, Right Switch 14
102330	Spring, Contact 51	119650	Ring, Retaining 16	144702	Switch, Push Button 14,50
104564	Washer, Flat 8	119651	Ring, Retaining 3,10,12, 13,22,23,26,39,41,45,48	144703	Cap, Red Lens 14
104701	Screw, 4-40 x 9/32 Fil 43	119652	Ring, Retaining 20,34,47	144704	Cap, Green Lens 14
104710	Ball, Bearing 19	119653	Ring, Retaining 9,10,34, 46	144705	Cap, White Lens 14
104807	Washer, Flat 34,38	119654	Ring, Retaining 16,17	144706	Cap, Amber Lens 14
104827	Bearing, Ball 5,6	119655	Ring, Retaining 7,8,47	144708	Modification Kit 1,21,30
108370	Washer, Felt 22	120489	Spacer, .052" Thk 22	144709	Segment, Cam 21
108949	Stiffener 51	120824	Washer, Felt 21	144710	Modification Kit 1,30
109356	Washer, Flat 8	120870	Wick, Felt 22		
110435	Nut, 4-40 Hex 33	121125	Washer, Spring 36		
		121242	Clamp, 1/8 ID Cable 27, 35,36,38		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
144711	Bracket, Code Contact 30	144769	Button, Pivot 6	150044	Shoe, Primary Clutch 21
144712	Post, Guide 30	144770	Gear Assembly, Intermediate 1,3,6	150089	Screw, 4-40 x 1/2 Fil 36, 41
144715	Bracket, Connector 4	144771	Follower, Cam 30	150241	Spring 21
144718	Keytop w/Shaft, SOM 29	144772	Contact Assembly, Intermediate 30	150354	Arm, Trip 46
144719	Keytop w/Shaft, EOA 29	144774	Bar, FIGS Code 16	150356	Lever, Trip 46
144720	Keytop w/Shaft, EOM 29	144871	Shaft, Solenoid Plunger 4	150411	Washer, Flat 34,40,45
144721	Keytop w/Shaft, Feed-Out 29	144990	Bar, LTRS Code 16	150432	Washer, Flat 43
144722	Keytop w/Shaft, Rug-Out 29	144991	Bracket, Contact 4,31	150507	Spring 34
144723	Keytop w/Shaft, Tape B. Sp. 29	144992	Shaft w/Bearing 8	150923	Washer, Felt 4,22,23
144724	Keytop w/Shaft, SOL INQ 29	144996	Plate, Left 14	150932	Bushing, Shoulder 10,48
144725	Keytop w/Shaft, SOL ORD 29	144997	Contact Assembly 1,31	150966	Insulator, Terminal Block 36,43,50
144726	Keytop w/Shaft, EOL 29	145190	Connector, 2 Pt Plug 33, 36	150990	Washer, Felt 23,41
144729	Bracket 29	145191	Connector, 2 Pt Receptacle 33,36	150991	Washer, Felt 16,17,20
144730	Bracket, Switch 29	145307	Plate, Nut 4	150992	Stud 33
144731	Plate, Switch Actuator 29	145313	Washer, Felt 47	151003	Keylever 11
144732	Insulator 29	145321	Tie, Cable 50	151004	Keylever 11
144733	Spring, Compression 29	145365	Pinion, 20T 47	151005	Keylever 11
144734	Plate, Retaining 29	145366	Gear, 56T 47	151006	Keylever 11
144735	Switch Assembly, SOM 29	145367	Shaft, Drive 47	151036	Screw, 4-40 Shoulder 23
144736	Switch Assembly, EOA 29	145368	Gear, 27T 46,47	151045	Bar, Spacing 11
144737	Switch Assembly, EOM 29	145370	Gear, 42T 47	151059	Stud 37
144738	Switch Assembly, Feed-Out 29	145373	Gear, 66T 47	151073	Screw, 4-40 x 5/32 Fil 36,45
144739	Switch Assembly, Rub-Out 29	145375	Gear, 63T 47	151080	Washer, Flat 7,19
144740	Switch Assembly, Tape B. Sp. 29	145381	Washer, Thrust 47	151103	Spring 22
144741	Cable Assembly 14	145383	Key 47	151113	Strip, Mounting 3
144743	Plate, Keytop Guide 11,14	145384	Pin, Guide 47	151118	Plate, Spacing 3
144744	Cable Assembly 30	145385	Spring, Compression 47	151126	Spacer, .250" Thk 6
144745	Bracket, Front 16,29	145386	Sleeve 47	151146	Strap, Mounting 3
144749	Bracket, Assembly, Bearing 1,8	145389	Shaft, Idler 47	151152	Screw, 4-40 x 3/16 Hex 19,20,24,25,26,34,38,40, 41,43,51,53
144750	Housing w/Ball Bearing 4	145390	Pinion, 25T 47	151171	Toggle, Contact 24,25
144753	Shaft w/Bearings 8	145393	Bushing 46,47	151180	Link, Toggle 24,25
144754	Plate, Nut 4	146438	Bellcrank 30	151182	Washer, Insulating 24,25, 53
144755	Shaft, 7-1/4" Lg 8	147033	Shield 14	151223	Screw, 4-40 Shoulder 11, 13
144756	Shaft, 3-9/32" Lg 8	147069	Switch 29	151224	Screw, 6-40 Pilot 12,13, 30,35
144759	Spacer, .187" Thk 6	147070	Switch 29	151228	Bracket w/Bearing 6
144760	Spacer, .400" Thk 6	147071	Switch 29	151233	Spacer, .065" Thk 27
144761	Shaft 6	147127	Modification Kit 14	151234	Ratchet, 27T 39
144763	Plate, Nut 4	148128	Washer, Flat 19	151235	Ratchet, 28T 39
144764	Base 4	149881	Cover, Gear 47	151236	Hub 39
144767	Plate w/Bracket, Bearing 6	149884	Bail Transfer 48	151237	Spring, Flat 39
		149885	Bracket 48	151240	Pawl, Latch 39
		149896	Modification Kit 2,48	151241	Lever, Latching 39
		150013	Disk, Adjusting 21		
		150026	Lever, Shoe Release 21		
		150029	Wick, Felt 21		
		150043	Shoe, Secondary Clutch 21		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
151244	Bushing, Eccentric 39	151678	Screw, 1/4-32 Pilot 3	152871	Spring 8
151245	Washer, Felt 39,47	151685	Screw, 4-40 x 5/16 Fil 34	152887	Screw, 4-40 x 1/2 Hex 7,8
151246	Washer, Flat 39	151686	Screw, 4-40 x 3/8 Fil 38	152893	Screw, 4-40 x 1/4 Hex 19, 21,23,30,31,43,51
151290	Keylever Assembly 37	151687	Screw, 4-40 x 7/16 Fil 9, 27	153247	Lever, Trip 10,48
151329	Switch, Sensitive 37,39, 50	151688	Screw, 4-40 x 5/8 Fil 31, 51	153248	Bushing, 6-40 Shoulder 10,48
151335	Stud 3,4,43,50	151689	Screw, 4-40 x 3/4 Fil	153249	Bail, Transfer 10,48
151346	Screw, 6-40 x 3/8 Fil 46, 49,52	151691	Screw, 10-32 x 3/8 Fil 8	153250	Link 10,48
151352	Spring, Flat 3	151692	Screw, 6-40 x 3/16 Fil 4, 10,38,40,45,48	153252	Link 3
151354	Screw, 2-56 x 15/32 Fil 27	151694	Screw, 6-40 x 11/32 Fil 8,36,50	153266	Lever, Trip 10
151376	Label, Instruction 15	151712	Button, Pivot 5,6,47	153273	Link 10
151389	Paper, Carbon 15	151714	Spring 17	153283	Keylever Assembly 48
151390	Label, Blank 15	151715	Spring 40	153284	Keylever Assembly 10
151391	Label Set 15	151722	Screw, 6-40 x 3/16 Hex 3, 4,10,15,16,17,22,33,39, 40,43	153400	Lamp, 60 V Incandescent 43
151397	Spring 40	151723	Screw, 10-32 x 3/8 Hex 3,4,6	153534	Washer, Flat 43
151412	Insulator, Terminal 4	151724	Screw, 10-32 x 5/8 Hex 5, 6,7	153537	Screw, 6-40 x 9/32 Hex 40,43
151415	Block, Terminal 43,50	151725	Screw, 10-32 x 3/4 Fil 5, 6,7	153538	Screw, 6-40 x 7/16 Hex 3, 33,35
151416	Nut, 6-40 Hex 3,4,43,50	151728	Spring 21	153539	Screw, 6-40 x 11/16 Hex 33
151442	Screw, 6-40 x 1/2 Hex 3, 4,6,15,20,30,36,46,51	151731	Screw, 4-40 x 7/8 Fil 38	153631	Network, Spark Suppression 35,36,42,43
151540	Lampholder 43	151733	Screw, 4-40 x 9/16 Fil 33,45	153799	Screw, 4-40 x 21/64 Hex 34,40
151610	Washer, Flat 46,47	151737	Screw, 4-40 x 11/64 Hex 21,40,46	153817	Screw, 4-40 x 3/8 Hex 24, 25,35,41,43,48,53
151616	Screw, No. 2 Self-Tapping 3,4	151819	Jumper, 3" Black 4	153819	Lockwasher 4,45,50
151618	Screw, 6-40 x 7/16 Fil 14	151820	Spring, Contact 24,25	153839	Screw, 6-40 x 5/8 Hex 28, 46
151624	Spacer, .072" Thk 43	151843	Screw, 6-40 Adjusting 19	153841	Screw, 6-40 x 9/16 Hex 13,20,37
151629	Nut, 6-40 Lug 28,46	151879	Stud 39	154008	Guide, Code Bar 16,17,18
151630	Screw, 6-40 x 1/4 Hex 3, 5,6,7,8,9,10,12,13,16,17, 26,27,32,35,36,42,47,50, 51,52	151880	Nut, 4-40 Hex 24,25,34, 40,41,43,45	154009	Plate, Front 22,30,35
151631	Screw, 6-40 x 5/16 Hex 3, 4,5,6,7,8,10,11,12,13,18, 20,26,27,28,32,34,35,36, 38,39,42,47,48,51,52	151885	Plate, Nut 39	154010	Bail, Transfer 22
151632	Screw, 6-40 x 3/8 Hex 3, 4,5,6,7,8,10,11,12,13,15, 16,18,24,25,27,28,32,36, 37,39,42,47,48,51,53	151886	Stud 39	154013	Bracket, Spring 16,17
151637	Screw, 4-40 x 1/4 Fil 34, 35	152045	Guard, Gear 3	154014	Post, Guide 22
151657	Screw, 6-40 x 1/4 Fil 27, 36,46	152051	Tissue 15	154015	Post 23,41
151658	Screw, 6-40 x 5/16 Fil 3, 47	152318	Switch, Magnetic 37	154016	Shaft 10,16
151659	Screw, 6-40 x 1/2 Fil 11, 13,15,34	152441	Washer, Flat 47	154018	Post, Locking Bail 22
151661	Screw, 6-40 x 1 Fil 14	152462	Latch, Right 50	154019	Follower, Eccentric 21,41
		152463	Latch, Left 50	154020	Seal, Front 15
		152464	Insulator, .062" Thk 50	154021	Link 12,13
		152467	Connector, 20 Pt Plug 50	154023	Latch, Lock Bar 16
		152754	Jumper, 4-1/2" Red 4	154025	Plate, Adjusting 23
		152761	Stud 51	154027	Bellcrank 23
		152839	Spring, Latch 34	154029	Wick, Felt 21
				154030	Shaft, Signal Generator 21

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
154032	Sleeve, Gear 21	154097	Bail 10	154156	Grommet, Rubber 50
154033	Lever, Clutch Latch 20,36	154098	Bail 10	154163	Shaft Assembly, Clutch Cam 21
154034	Lever, Clutch Stop 20	154099	Bail, LOC-CR Function 9	154165	Box Assembly, Contact 1, 24
154036	Plate, Detent 22	154101	Plate, Rear 20	154166	Suppressor, Arc 24
154037	Lever 37	154102	Plate, Rear 23,36,41	154173	Plate 50
154039	Bracket 37	154105	Post, Transfer Bail 22	154176	Bracket 50
154040	Lever, Transfer 22	154106	Bracket 3	154178	Spring 22
154041	Post, Stop 22	154107	Bracket 10	154179	Bail, Universal 19
154042	Terminal 24,25	154109	Plunger 3	154183	Blade, Front 19
154043	Terminal 24,25	154110	Hood, Keyboard 15	154184	Blade, Rear 19
154045	Screw, 6-40 Spl 24,25	154111	Plate, Keytop Guide 11,15	154189	Insulator 24
154046	Stud 20	154115	Plate, Guide 3	154191	Spring 23,41
154047	Post, Spring 22	154116	Bail 48	154193	Plate 37
154051	Screw, 6-40 Shoulder 23	154117	Bail, Space Bar 12	154194	Base 24,25
154053	Bail, Clutch Trip 20	154118	Lever w/Hub 37	154197	Plug, Button 11
154056	Bracket, Contact Box 24, 25,53	154119	Bracket, Space Bar 12	154198	Window, Plastic 15
154057	Plate 15	154120	Lever, Code Bar 16,17	154199	Shim, .005" Thk 3
154058	Plate 15	154121	Lever, Space Code Bar 16	154201	Shim, .014" Thk 3
154059	Bracket, Function Bail 9, 51	154122	Lever, Keyboard Lock Function 16	154202	Screw, No. 4 Spl 15
154064	Bracket, Adjusting 10	154123	Lever, Function 10,16,37	154203	Bracket 15
154065	Lever w/Hub 10	154124	Lever, Keyboard Repeat & Unlock 16	154204	Grommet, Plastic 15
154066	Lever, LOC-LF 9	154125	Spring 16,17,35,40	154210	Bracket, Left 15
154067	Lever 9,40	154126	Bracket 37	154211	Bracket, Right 15
154068	Bracket, Right Guide 16, 18	154127	Nut, 6-40 Hex 23,41	154212	Frame, Front 12
154069	Bracket, Left Guide 16	154129	Bar, Clutch Trip 16	154215	Spring 23,41
154070	Guide, Code Lever 16	154130	Box, Contact 24	154217	Wick, Leather 22
154071	Screw, 1/4-32 Pilot 16,17	154131	Cover, Contact 24	154224	Gear Assembly, Intermediate 1,6
154072	Bracket, Stop 16,17	154132	Bracket 10,48	154225	Box Assembly, Contact 1, 24
154076	Plate, Nut 3	154133	Bracket 10	154226	Box w/Strap 24
154079	Stud 23	154134	Bracket 39	154227	Bracket, Support 10
154080	Lock, Wedge 19	154135	Pawl 39	154236	Lever, Latch 20
154081	Plate, Retainer 19	154136	Pawl 39	154237	Lever, Non-Repeat 23
154083	Spacer, Cam 21	154137	Lever, Adjusting 39	154238	Extension 19
154084	Bearing, Needle 23	154138	Washer, Felt 21	154239	Extension w/Post 19
154085	Plate 3,5	154140	Bail, Locking 22	154240	Bail, Code Bar 23
154086	Retainer, Wedge 19	154141	Modification Kit 1,37	154241	Stud 23
154087	Plate, Nut 3	154142	Modification Kit 1,39	154318	Plate 32
154088	Plate, Nut 3	154144	Cable Assembly 39	154351	Modification Kit 16,23
154089	Post, Spring 23	154145	Modification Kit 2,48	154386	Plate, Adjusting 23
154091	Guide, Non-Repeat Lever 23,41	154146	Modification Kit 1,10	154662	Spacer 6
154092	Shaft, Function 9,10,40, 48	154147	Modification Kit 1,37	154663	Shaft 6
154094	Clamp 20	154149	Cable Assembly 37,50	154694	Disk, Clutch Cam 21
154095	Eccentric, Contact Box 24,25	154151	Bail Assembly, Universal 1,19	154697	Grommet, Rubber 50
154096	Bushing, Eccentric 20	154152	Bar Assembly, Ball Lock 1,19	154873	Connector, 2 Pt Receptacle 50
		154153	Cable Assembly 37	154874	Connector, 2 Pt Plug 50
		154154	Cam, Signal Generator 21		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
155718	Jumper, 3" Black 41	156450	Screw, 2-56 x 1/2 Fil 38	158061	Pin 26
155731	Bracket, Contact 51	156451	Bushing 33	158062	Stop 27
155746	Contact Assembly 51	156503	Wick, Felt 21	158063	Bracket, Stop 16
155750	Sleeve, 3/32 ID x 1/2 Lg Insulating 30,33,35,36, 38,39,40,50	156509	Washer, Flat 22	158064	Clip, Spring 3
155751	Sleeve, 1/8 ID x 1 Lg Insulating 14,37,39,50	156516	Latch 22	158066	Switch 27
155752	Sleeve, 5/64 ID x 1/2 Lg Insulating 50	156558	Washer, Felt 23	158067	Bracket 27
155753	Sleeve, 1/8 ID x 1/2 Lg Insulating 4,14,18,27,33, 35,36,41,50,52	156574	Post, Spring 19	158068	Plate 3
155754	Sleeve, 1/16 ID x 1/2 Lg Insulating 43,50	156630	Washer, Felt 22	158071	Bracket, Bearing 7
155755	Sleeve, 11/64 ID x 5/8 Lg Insulating 3,36,42,43,50	156632	Screw, 6-40 x 13/32 Hex 8,13,15,34	158073	Shaft w/Bearing 7
155843	Keytop 11	156644	Link, Drive 24,25	158075	Shaft w/Gears 7
155844	Keytop 11	156663	Bushing, Insulating 24,25	158077	Gear, 33T 7
155858	Resistor, 700 Ohm 52	156740	Screw, 6-40 x 7/32 Hex 4, 5,35,41,45,48	158079	Shaft, Motor Coupler 7
155951	Spring, Torsion 38	156875	Screw, 6-40 x 5/32 Fil 34	158087	Bar, No. 1 Code 16
155952	Pin 38	157101	Cable 41	158088	Bar, No. 2 Code 16
155953	Stud 38	158000	Base 3,10,27,37,40,43,48	158089	Bar, No. 3 Code 16
155954	Switch, Sensitive 27,29, 38,50	158001	Gear, 33T 49	158090	Bar, No. 4 Code 16
155956	Bail 38	158002	Pinion, 11T 49	158091	Bar, No. 5 Code 16
155957	Bracket 38	158003	Pinion, 12T 49	158093	Spacer, .047" Thk 16
155958	Keylever 38	158004	Gear, 47T 49	158094	Stud 16
155959	Keytop 38	158005	Pinion, 9T 49	158099	Lever 36
155960	Latch 34	158006	Gear, 44T 49	158103	Latch w/Hub 16
155964	Lever, Stop 34	158007	Container Assembly 1,32	158105	Bar, Carriage Return Code 16
155965	Ratchet, 88T 34	158009	Switch Assembly, Tape-Out 1,33	158107	Bar, Character Counter Code 16
155966	Drum 34	158010	Bar, Locking 18	158113	Frame 26
155967	Washer, Spring 34	158011	Lever, Blocking 26	158114	Cam, Control 26
155968	Washer, Flat 34	158019	Baffle 34	158115	Bushing 26
155969	Bracket 34	158021	Bracket, Switch 34	158116	Lever, Reset 26
155990	Counter Assembly, Character 1,34	158027	Gear Set, 100 WPM 49	158117	Follower, Reset Cam 26
155991	Keytop Assembly 38	158028	Gear Set, 75 WPM 49	158118	Guide 26
155992	Cable Assembly 29,38	158029	Gear Set, 60 WPM 49	158119	Bracket 26
155994	Insulator, .015" Thk 27, 38	158031	Bail, Feed 34	158120	Bracket 26
155996	Pinion, 13T 49	158032	Bail, Reset 34	158121	Roller 26
155997	Gear, 60T 49	158033	Spacer, .055" Thk 34	158122	Bracket 26
155998	Pinion, 12T 49	158036	Lever, Reset 34	158123	Shaft 26
155999	Gear, 34T 49	158038	Lever 34	158135	Link 26
156078	Contact Assembly 30	158040	Lever, Ratchet Drive 34	158136	Latch 26
156226	Hub 7,8	158042	Lever, Latch 34	158137	Extension, Code Bar 26
156448	Bushing 33	158045	Stud 34	158139	Bellcrank 26
156449	Lever, Switch 33	158046	Bracket 34	158141	Lever w/Hub 26
		158047	Scale 34	158144	Slide w/Stud 26
		158050	Switch, Contact 34	158145	Extension 26
		158051	Pulley 34	158147	Bushing, Eccentric 27,34
		158052	Cam, Switch 34	158148	Washer, Felt 27
		158053	Clamp 34	158149	Bracket 27
		158054	Cord Assembly 34	158150	Shaft 27
		158056	Cord 34	158151	Arm 27
		158060	Spring 26	158156	Lever w/Stud 27
				158158	Roller 27

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
158160	Bracket 27	159282	Gear, 93T 49	161826	Plate 33
158161	Indicator Assembly 27	159284	Pinion, 20T 49	161859	Gear Set, 60 WPM 49
158162	Bracket 27	159285	Gear, 84T 49	161860	Gear Set, 75 WPM 49
158163	Switch, Sensitive 27,33, 50	159287	Retainer, Pinion 47,49	161861	Gear Set, 100 WPM 49
158164	Lever w/Hub 27	159327	Washer, Flat 23	161882	Plate w/Bracket 8
158186	Screw, 4-40 x 7/32 Fil 29	159334	Washer, Insulating 23	161954	Socket, Lamp 14
158189	Washer, Felt 27	159340	Spring, Return 34	162075	Reel, Tape 32
158202	Housing, Switch 28	159341	Bearing, Ball 6,8,47	162308	Bail, Code Bar 23,41
158205	Cover 28	159343	Cable w/Terminals 38	162309	Bar, Clutch 16
158206	Screw, 6-32 Thumb 28	159404	Post 8	162333	Stud, Locating 9
158208	Gear 43T 28	159543	Washer, Flat 32	162335	Cable 18
158210	Shaft Assembly 28	159568	Bracket, Contact 31	162344	Contact Assembly 18
158212	Bracket 3	159570	Spring, Contact 30,31	162345	Switch, Rotary 28
158213	Plate, Nut 3	159571	Stiffener 30,31	162659	Retainer 47
158215	Plate, Nut 3,4,32,34,53	159804	Spring 45	162731	Modification Kit 1,39
158216	Plate, Nut 3	159882	Gear Set, 65 WPM 49	162815	Cable Assembly 39
158217	Plate, Nut 3	159883	Gear Set, 106 WPM 49	162873	Contact Assembly, Universal 41
158219	Switch, Rotary 28	159897	Arm 26	162874	Clamp 41
158226	Bracket w/Bushing 18	159899	Pin 26	162875	Bracket 41
158228	Lever w/Stud 18	159976	Armature 46,51	162876	Bar, Retainer 41
158230	Bracket, Contact 18	159977	Hinge 51	162878	Contact Assembly 35
158231	Contact, Lock Bar 18	159978	Shaft 51	162879	Spring, Contact 35
158233	Bracket 32	160090	Lever, Transfer 22	162880	Bracket 30,35
158238	Plate 33	160185	Post 31	162881	Plate 30,35
158239	Lever, Tape 33	160369	Switch, NO Push Button 14	162882	Bushing, Insulating 35
158241	Container, Tape 32	160370	Switch, NC Push Button 14	162883	Cover, Insulating 30,35
158250	Block, Terminal 3,4	160377	Switch, Rotary 28	162884	Arm 35
158251	Plate, Mounting 3,4	160393	Cable Assembly 28	162885	Segment, Cam 21,35
158252	Insulator, Terminal Block 4	160583	Spring, Contact 9	162886	Screw, 4-40 x 7/32 Hex 21
158255	Cable Assembly 33	160987	Pad, Tape Container 32	162891	Cover, Contact Box 24
158268	Latch w/Hub 23	161089	Shaft 43	162892	Box Assembly, Contact 1, 24
158271	Guard, Gear 7	161100	Spring, Contact 31,35	163015	Pinion, 28T 49
158275	Plate, Clamp 18	161102	Spring, Contact 30,31	163018	Gear, 49T 49
158276	Screw, 3-48 x 1 1/16 Rd 18	161238	Connector, 36 Pt Receptacle 4,50	163019	Pinion, 21T 49
158277	Screw, 3-48 x 1 Rd 18	161239	Connector, 36 Pt Plug 50	163020	Gear, 48T 49
158281	Connector 32 Pt Plug 50	161293	Gear Set, 60 WPM 49	163021	Pinion, 28T 49
158289	Reel Tape 32	161294	Gear Set, 75 WPM 49	163022	Gear, 80T 49
158299	Cover, Contact 18	161295	Gear Set, 100 WPM 49	163023	Gear Set, 60 WPM 49
158745	Clamp, Bearing 5,6,7,8,47	161301	Post, 47,49	163024	Gear Set, 75 WPM 49
158753	Armature, Magnet 36	161330	Gear, 49T 49	163025	Gear Set, 100 WPM 49
158754	Core, Magnet 36	161331	Pinion, 11T 49	163302	Gear Set, 67 WPM 49
158816	Spring, Contact 9	161332	Gear, 42T 49	163388	Keytop 40
158828	Bushing, Mounting 6	161333	Pinion, 10T 49	163440	Gear, 48T 5,6
158859	Post, Spring 36,46	161346	Washer, Felt 22	163445	Insulator, Strip 24,25
158907	Spring 22	161347	Washer, Felt 39	163452	Pinion, 20T 49
159278	Pinion, 14T 49	161356	Gear Set, 67 WPM 49	163453	Gear, 56T 49
159279	Gear, 96T 49	161357	Gear Set, 71 WPM 49	163454	Gear Set, 107 WPM 49
159281	Pinion, 17T 49	161440	Spring 16,26	163455	Pinion, 20T 49
		161525	Connector, 14 Pt Plug 14, 30		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
163456	Gear, 52T 49	164158	Latch 40	170100	Gear Set, 100 WPM 49
163457	Gear Set, 71 WPM 49	164160	Link 41	170101	Bar, No. 1 Code 17
163460	Gear, 55T 5,6	164161	Drum, Message 40	170102	Bar, No. 2 Code 17
163461	Pinion, 18T 49	164162	Ring "O" 40	170103	Bar, No. 3 Code 17
163462	Gear, 117T 49	164163	Blade, Stop 40	170104	Bar, No. 4 Code 17
163463	Pinion, 24T 49	164164	Blade, Code 40	170105	Bar, No. 5 Code 17
163464	Gear, 104T 49	164165	Plate, Drive 40,45	170106	Bar, No. 0 Code 17
163500	Gear, 52T 49	164168	Pawl, Stepping 40,45	170172	Bracket 37
163501	Pinion, 30T 49	164169	Stud, Eccentric 40,45	170173	Lever w/Hub 37
163502	Gear Set, 107 WPM 49	164224	Insulator 3,4	170185	Pinion, 25T 49
163504	Gear Set, 71 EPM 49	164234	Gear Assembly, Intermediate 1,6	170186	Gear, 119T 49
163505	Gear Set, 107 WPM 49	164240	Insulator 4	170187	Pinion, 30T 49
163511	Plate 15	164349	Shaft Assembly, Clutch Cam 21	170188	Gear, 59T 49
163512	Bracket 15	164379	Cable 36	170189	Pinion, 15T 49
163519	Sleeve, Gear 21	164426	Modification Kit 2,43	170190	Gear, 51T 49
163531	Switch Assembly, Tape-Out 1,33	164457	Keylever Assembly 35	170293	Pinion, 11T 49
163532	Cable Assembly 33	164485	Bail w/Hub 20,36	170297	Gear, 33T 49
163536	Spacer, .562" Thk 24	164489	Bar, Universal 36	170320	Connector, 24 Pt Receptacle 50
163585	Bracket, Right 12,15,35, 41,48	164490	Bar, Clutch Trip 36	170322	Lens, Red Pilot Light 14
163586	Bracket, Left 12	164495	Cable Assembly 50	170323	Lens, Yellow Pilot Light 14
163588	Modification Kit 15	164496	Bail 40	170324	Bracket, Front 16,17,38
163647	Channel, Ball 19,35,42	164497	Eccentric 40	170325	Bar, Auxiliary Code 17
163699	Spring 26	164499	Bar, Locking 40	170329	Plate, Left 14
163775	Modification Kit 1,38	164500	Resistor Assembly 2,42	170330	Plate, Right 14
163813	Plate 38	164501	Plate, Mounting 42	170331	Bar Assembly 1,19
163814	Lever w/hub 38	164502	Modification Kit 1,2,40, 41,42	170332	Bail Assembly, Universal 1,19
163852	Keylever Assembly 35	164504	Cable w/Terminals 42	170334	Shaft Assembly, Clutch Cam 21
163963	Plate 15	164583	Modification Kit 49	170337	Indicator Assembly 27
163964	Plate 14	164584	Modification Kit 49	170349	Container Assembly 1,32
163979	Lever, Code Bar 35,40	164585	Modification Kit 49	170350	Bar, No. 0 Code 17
164005	Modification Kit 41	164644	Post 36	170351	Bar, No. 1 Code 17
164107	Bracket 28	164645	Post 36	170352	Bar, No. 2 Code 17
164127	Plate, Keytop Guide 11, 14,15	164646	Plate, Nut 36	170353	Bar, No. 3 Code 17
164131	Cable Assembly 14	164647	Bracket 36	170354	Bar, No. 4 Code 17
164138	Stud 41	164649	Plate, Mounting 36	170355	Bar, No. 5 Code 17
164142	Bracket 4,40,43	164650	Contact Assembly	170356	Bar, No. 6 Code 17
164143	Plate, Mounting 40,43,45	164651	Bail, Armature 36	170357	Bar, No. 7 Code 17
164144	Plate, Side 40,45	164653	Bracket 36	170358	Bracket 3
164145	Pivot, Lever 40,45	164659	Modification Kit 1,36	170360	Bar, Auxiliary Code 17
164146	Lever, Stop 40	165027	Network, Spark Suppression 4	170361	Bar, Clutch Trip 17
164148	Spacer, Stop Arm 40	165693	Cable w/Terminals 35	170362	Latch, Auxiliary 17
164149	Lever, Blocking 40	170086	Lever, Selector 22	170363	Bracket, Left 17
164151	Lever, Detent 40	170088	Gear Set, 88 WPM 49	170364	Bracket, Right 17
164154	Lever, Sensing 40	170089	Gear Set, 88 WPM 49	170365	Guide, Code Lever 17
164155	Yoke, Magnet 40	170098	Camsleeve 21	170368	Shaft 17
164156	Armature 40	170099	Shaft Assembly, Clutch Cam 21	170369	Bracket, Support 17
164157	Shaft 40				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
170370	Lever, Function 17	171952	Cover, Green	174411	Insulator 25
170371	Lever, Function 17		Shielding 40	174412	Spacer, .531" Thk 25
170372	Bail, Universal 19	171972	Connector, Green	174413	Terminal 25
170373	Blade, Rear 19		Brushless 40	174414	Bushing 25
170374	Blade, Front 19	172945	Modification Kit 1,2,40, 41,47	174415	Cover, Contact Box 25
170375	Lever, Auxiliary 17			174416	Box, Contact 25
170376	Channel Assembly, Ball 19	172947	Plate, Mounting 42	174421	Filter, R. F. 25
170379	Retainer, Ball 19	172948	Cable Assembly, Resistor Mounting 2,42	174491	Modification Kit 24
170380	Retainer, Wedge 19			176304	Bracket 40,45
170381	Lever, Start 22	172978	Cover, Contact 18	176305	Lever, Reset 45
170382	Lever, No. 2 Selector 22	173028	Post, Spring 41	176306	Pawl 45
170383	Lever, No. 3 Selector 22	173029	Lever, Start 41	176307	Arm, Drive 45
170385	Frame w/Bushing 20,36	173095	Link 41	176308	Screw, 4-40 Eccentric 45
170386	Guide, Transfer Lever 22	173096	Modification Kit 23,41	176309	Finger 45
170388	Post, Guide 22	173122	Modification Kit 41	176310	Bracket 45
170390	Bail, Locking 22	173220	Plate, Left 14	176311	Pawl, Release Lug 45
170391	Guide, Transfer Lever 22	173221	Panel Assembly, Left 14	176312	Screw, 4-40 Eccentric 45
170392	Lever, Non-Repeat 23	173398	Cable w/Terminal 41	176313	Latch, Drive Pawl 45
170395	Bracket, Function Bail 9, 10	173508	Cover, M.T.S.	176314	Roller 45
170396	Bail, L.B.S. 10	173645	Coupling 7	176316	Spacer, Reset Lever 45
170397	Bail, L.C.R. 9	173711	Cable Assembly 26	176318	Shaft 45
170398	Lever, L.L.F. 9	173715	Terminal Ring Type 50	176320	Plate 45
170399	Lever 10	173716	Terminal Receptacle Type 50	176321	Shim, .010" Thk 45
170400	Plate, Keytop Guide 11,14	173793	Gear, 40T 49	176323	Plate, Side 45
170401	Frame, Front 12	173794	Pinion, 40T 49	176339	Post, Stop 23
170403	Plate, Right 14	173795	Gear, 40T 45 WPM 49	176354	Sleeve 22
170404	Plate, Left 14	173992	Gear, 40T 45 WPM 49	176395	Modification Kit 2,45
170405	Panel Assembly, Right 14	173993	Pinion, 40T 49	176405	Modification Kit 1,38
170406	Bracket, Left Space Bar 12,13	173994	Gear, 40T 49	176406	Bracket 38
170407	Bracket, Right Space Bar 12,13	174034	Screw, 4-40 x 13/16 Hex 30	176407	Lever 38
170409	Bail, Space Bar 12,13	174181	Bracket, Rear Mounting 35	176436	Cam, Control 26
170410	Plate, Nut 3	174182	Relay, 350 Ohm 35	176632	Bracket 43
170412	Bracket, Switch Mounting 9	174183	Guard 35	176633	Switch, Rotary 43
170413	Contact Assembly 9	174184	Plate, Cover 35	176634	Lever, Actuator 43
170414	Lever, Function 17	174217	Frame 43	176659	Lever, Trip 4
170418	Bracket 27	174219	Bracket 43	176661	Bracket w/Post 4
170419	Spacer 12	174220	Bushing 43	176663	Link 3
170454	Bar, Space 11	174221	Bushing 43	176672	Solenoid 4
170456	Container, Tape 32	174222	Washer, Spring 43	176673	Suppressor, Spark 4
170494	Keylever Assembly 10	174223	Armature 43	176674	Bracket 32
170496	Keylever Assembly, LOC B SP 10	174225	Cover 43	176675	Solenoid Assembly 4
170499	Panel Assembly, Left 14	174225	Cable Assembly 43	176691	Resistor w/Terminals, Ohm 4
171541	Diode 52	174226	Cable w/Terminals 43	176700	Base 4
171559	Lamp, 28 V Incandescent 14,50	174227	Cable Assembly 43	176702	Bracket 4,5
		174238	Magnet Assembly 43	176703	Plate, Mounting 4
		174250	Pin, Nut 46,47	176709	Container Assembly 1,32
		174350	Bar, Code 16	176752	Ring, Retaining 46
		174410	Box Assembly, Contact 1, 25	176770	Bracket 46
				176771	Shaft, Driver 46

NUMERICAL INDEX (Continued)

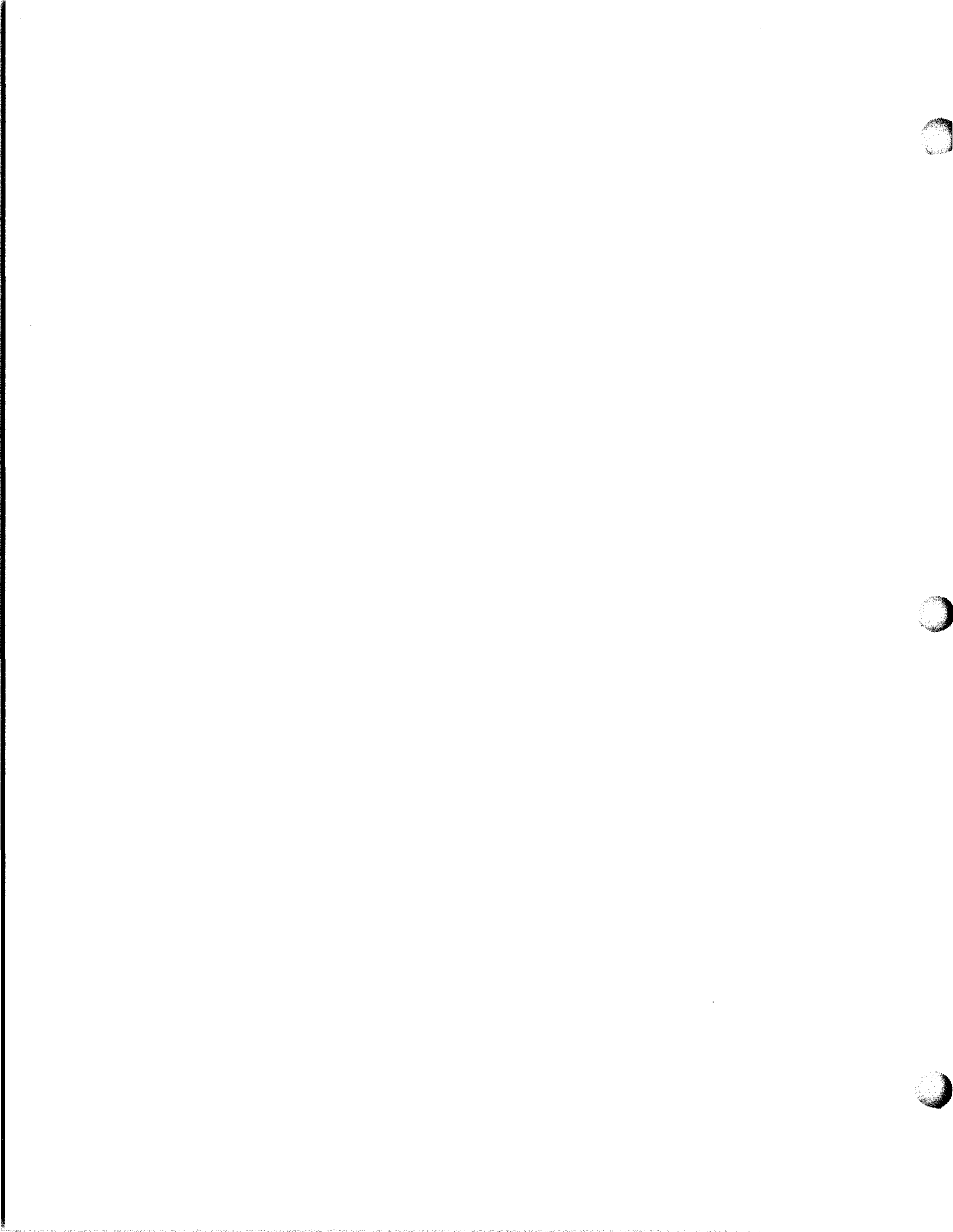
Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
176772	Gear, 56T 46,49	178774	Gear, 60T 49	192555	Plate, Keytop Guide 13
176774	Gear, 42T 56	178775	Gear Set, 61 WPM 49	192556	Frame 13
176776	Gear, 50T 46	178776	Pinion, 17T 49	192557	Grommet, Rubber 13
176779	Wick, Felt 46	178777	Gear, 56T 49	192629	Shaft 8
176780	Hub 46	178785	Shaft Assembly 21	192630	Bracket 50
176781	Shaft, Clutch 46	178787	Sleeve, Gear 21	192681	Screw, 4-40 Spl 19
176782	Gear, 63T 46	178790	Contact Assembly 18	192937	Capacitor, .068 MFD 53
176784	Bearing, Flange 46	178795	Camsleeve 21	192941	Capacitor, 1,500 MFD 53
176787	Gear, 66T 46	178849	Cord Assembly, Indicator 34	192963	Resistor, 33,200 Ohm 53
176789	Hub 46	178851	Pulley 34	192964	Inductor, 1,700 Ohm 53
176790	Washer, Bearing 46	178871	Sleeve, 7/16 ID x 1-1/8 Lg Insulating 42	193565	Coupling, Flexible 8,49
176792	Sleeve w/Stud 46	179170	Screw, 6-40 x 3/4 Rd 14	193654	Clamp, Armature 36
176793	Sleeve 46	179258	Bracket, Scale 34	193802	Modification Kit 23
176794	Spring, Right Clutch 46	179278	Drum, Ratchet 34	193983	Guide, Tape 32
176795	Spring, Left Clutch 46	179279	Bracket w/Posts 34	194048	Screw, 4-40 Spl 53
176796	Wick, Felt 46	179362	Cable Assembly 33,36	194156	Screw, 6-40 Shoulder 12
176797	Gear, 48T 46	179363	Cable Assembly 36	194425	Modification Kit 1,36
176799	Gear, 35T 46	179491	Switch Assembly, Back Space 38	194452	Lever 16
176801	Guard, Gear 46	179623	Resistor, 3,920 Ohm 3	194901	Screw, 4-40 Spl 53
176802	Plate, Right Bearing 46	179634	Bracket, Connector Mounting 53	194925	Pinion, 13T 49
176803	Plate, Left Bearing 46	179639	Contact Assembly 53	194926	Gear, 81T 49
176804	Shaft, Idler 46	179643	Network, Filter 53	194927	Gear Set, 67 WPM 49
176805	Gear, 25T 46	179740	Cable Assembly 43	194928	Gear Set, 67 WPM 49
176807	Shaft, Trip 46	179747	Shaft 28	195144	Pinion, 11T 49
176808	Bracket 46	179748	Connector, 5 Pt Plug 52, 53	195145	Gear, 49T 49
177005	Contact Assembly 18	180675	Screw, No. 6 Self-Tapping 3,4	195146	Gear Set, 67 WPM 49
177018	Bracket 43	180904	Tab, Terminal 3,4	195147	Gear Set, 67 WPM 49
177355	Resistor, 4,000 Ohm 3	181392	Terminal, Tab Type 3,4	195154	Modification Kit 2,7,47
178142	Camsleeve 21	192013	Connector, 50 Pt Plug Type 50	195155	Cable w/Terminals 47
178329	Cable Assembly 35	192025	Washer, Flat 47	195156	Pinion, 28T 47
178331	Cable Assembly 35	192176	Terminal, Plug Type 50	195157	Gear, 49T 47
178339	Cable Assembly 35	192177	Terminal, Receptacle Type 50	195158	Bracket w/Bearings 47
178340	Relay Assembly, Control 35	192224	Panel, Tape Container 32	195160	Pinion, 20T 47
178346	Modification Kit 1,21,35	192511	Bar, Space 13	195161	Shaft 47
178349	Cable Assembly 35	192533	Plate, Rear 23	195163	Bracket 47
178490	Modification Kit 16	192534	Post, Locking Bail 22	195164	Bracket, Bearing 7
178491	Bail 23	192538	Plug, Button 13	195165	Shaft w/Bearing 7,47
178492	Lever 23	192550	Bar Assembly, Ball Lock 1,19	195166	Plate 7
178493	Latch w/Hub 23,41	192552	Channel, Ball 19	195167	Lever 47
178494	Spring, Torsion 23	192553	Bracket, Left Mounting 13	195168	Bracket 47
178535	Suppressor, Spark 3	192554	Bracket, Right Mounting 13	195169	Bracket 47
178599	Cable w/Terminal 3				
178725	Spring 34				
178726	Bracket, Spring 34				
178728	Modification Kit 34				
178769	Gear Set, 100 WPM 49				
178770	Pinion, 23T 49				
178771	Gear, 46T 49				
178772	Gear Set, 66 WPM 49				
178773	Pinion, 20T 49				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
195182	Pinion, 20T 49	199103	Keytop w/Shaft, FLD 29	309508	Bracket, Left 11,48
195183	Gear, 52T 49	199183	Cable Assembly 52	309509	Bracket, Right 35,41,48
195184	Gear Set, 67 WPM 49	199184	Cable Assembly 52	309510	Bar, Retaining 35,41,48
195186	Screw, 4-40 x 7/8 Hex 24	199189	Diode Assembly 52	309511	Modification Kit 2,16,48
195187	Screw, 4-40 x 1-1/2 Hex 24,53	199193	Bushing, Insulating 53	310153	Jumper, 15" Green 3,4
195263	Pinion, 22T 47	199196	Link 53	311438	Switch Assembly, Tape-Out 1,33
195264	Gear, 49T 47	199361	Modification Kit 3,4	311439	Cable Assembly 33
195292	Lever 16	199650	Arm w/Stud 26	311451	Camsleeve 21
195417	Shaft, Driven 47	301699	Reel, Tape 32	311676	Modification Kit 2,8,47
195418	Gear, 48T 47	304211	Gear, 26T 47	311741	Bracket, Space Bar 12,13
195420	Pawl 47	304212	Gear, 55T 47	311881	Pinion, 15T 47
195427	Washer, Flat 47	304229	Plate 47	311882	Gear, 26T 47
195651	Box, Contact 53	304610	Plate, Right Switch 14	311882	Gear, 21T 47
195652	Cover, Contact Box 53	304672	Plate, Keytop Guide 11	311883	Gear, 50T 47
195717	Plate, Identification 3,4	305569	Pinion, 22T 49	311884	Gear, 24T 47
195923	Filter, R. F. 24	305570	Gear, 55T 49	311885	Gear, 52T 47
198050	Gear Set, 81 WPM 49	305571	Pinion, 14T 49	311886	Gear, 36T 47
198051	Pinion, 17T 49	305572	Gear, 52T 49	311887	Gear, 52T 47
198052	Gear, 97T 49	305573	Pinion, 13T 49	311888	Gear, 52T 47
198053	Gear Set, 106 WPM 49	305574	Gear, 53T 49	311889	Pinion, 18T 47
198054	Pinion, 21T 49	305577	Gear Set, 100 WPM 49	311890	Gear, 54T 47
198055	Gear, 92T 49	305578	Gear Set, 67 WPM 49	311891	Gear, 22T 47
198056	Gear Set, 81 WPM 49	305579	Gear Set, 60 WPM 49	311893	Bracket w/Bearings 47
198057	Pinion, 19T 49	305632	Pinion, 22T 8	312691	Pinion, 26T 49
198058	Gear, 70T 49	305633	Gear, 55T 8	312692	Gear, 94T 49
198350	Modification Kit 36	305634	Bracket Assembly, Bearing 1,8	312705	Gear Set, 107 WPM 49
198351	Cable w/Terminals 36	305635	Shaft w/Bearings 8	315525	Plate, Keytop Guide 11
198588	Bracket 51	305757	Lever, Switch 28	315867	Shaft w/Bearing 8,47
198589	Hinge 51	305758	Bracket 4	317202	Modification Kit 2,8,47
198590	Fork 51	305760	Bracket, Connector 52	317203	Plate w/Bracket 8
198592	Cover 51	306732	Resistor, 1.5 Meg Ohm 28	317349	Modification Kit 2,7,47
198601	Bracket 52	306991	Bracket 5	318900	Pinion, 24T 47
198606	Connector, 4 Pt Receptacle 52	306992	Clamp 5	318901	Gear, 56T 47
198608	Connector, 4 Pt Plug 52	306993	Plate 5	318904	Gear Set 47
198609	Bracket, Mounting 52	306994	Shaft 5	319394	Screw, 10-24 Set 8,49
198679	Bracket, Bolt Retaining 47	306995	Spacer 5	319909	Pinion, 13T 49
198680	Screw, 10-32 Spl 47	306996	Washer, Flat 5,39	319910	Gear, 50T 49
199070	Box Assembly, Contact 2, 53	307788	Bracket 47	319911	Gear Set, 65 WPM 49
199073	Bar, Counter 51	307844	Pinion, 10T 49	319912	Pinion, 10T 49
199075	Plate, Contact Mounting 51	307845	Gear, 57T 49	319913	Gear, 35T 49
199090	Pinion, 20T 49	307846	Pinion, 20T 49	319914	Gear Set, 71 WPM 49
199091	Gear, 56T 49	307847	Gear, 70T 49	319915	Pinion, 24T 49
199100	Keytop w/Shaft, FO 29	307848	Pinion, 15T 49	319916	Gear, 56T 49
199101	Keytop w/Shaft, H-ON 29	397849	Gear, 78T 49	319917	Gear Set, 107 WPM 49
199102	Keytop w/Shaft, D-ON 29	307850	Gear Set, 60 WPM 49	320408	Terminal, Spade Type 35
		307851	Gear Set, 67 WPM 49	320410	Terminal, Spade Type 3,4, 14,27,35,36,37,38,39,41, 42,43,47,50,52
		307852	Gear Set, 100 WPM 49		
		309506	Spring, Gold Plated 48	320416	Terminal, Ring Type 50
		309507	Contact 35,41,48	320418	Terminal, Ring Type 50

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
320420	Terminal, Ring Type 3,4	323761	Plunger, Red 14	326730	Gear Assembly, Intermediate 1,5
321727	Guide 35,41,48	323762	Plunger, Green 14	327119	Screw, 4-40 x 1-1/2 Hex 25
321767	Switch, Pushbutton 50	323763	Plunger, Black 14	330714	Insulator 35,41,48
321768	Switch, Pushbutton 50	324531	Contact Assembly 36	330963	Keylever 48
323708	Switch, SP-DT Pushbutton 14	324533	Stiffener w/Contact 36	330964	Keylever 40,48
323709	Switch, SP-DT Pushbutton 14	324534	Spring, Contact 36	330965	Keylever 48
323710	Switch, SP-DT Pushbutton 14	324535	Insulator 36	330966	Keylever 48
		326727	Gear Assembly, Intermediate 1,5		



28 TRANSMITTER DISTRIBUTOR (LCXB)

PARTS

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
1	Transmitter Distributor Base	2	14	178316 Modification Kit to Provide Answer-Back Features for the Transmitter Distributor Base (Includes Figures 11 through 15)	15
2	Transmitter Distributor Base (Continued)	3	15	178316 Modification Kit to Provide Answer-Back Features for the Transmitter Distributor Base (Includes Figures 11 through 14)	15
3	Transmitter Distributor Base (Continued)	4	16	Cabling with Associated Components and Circuit Card for Dual Transmitter Distributor	17
4	Transmitter Distributor Base (Continued)	5	17	Transmitter Distributor Base	18
5	Transmitter Distributor Base (Continued)	6	18	161921 Modification Kit to Convert an LCXB7 Base to Accept an LBXD7 Distributor	19
6	Transmitter Distributor Base (Continued)	7	19	161833 Modification Kit to Convert LCXB1 to an LCXB8 Transmitter Distributor Base	20
7	Transmitter Distributor Base (Continued)	8	20	173343 Modification Kit for Multiple Wire Output Facilities on LCXB8 Base	21
8	Gear Sets	9		Numerical Index	22
9	Transmitter Distributor Base with Answer-Back Feature	10			
10	Transmitter Distributor Base with Answer-Back Feature (continued)	11			
11	178316 Modification Kit to Provide Answer-Back Feature for the Transmitter Distributor Base (Includes Figures 12 through 15)	12			
12	178316 Modification Kit to Provide Answer-Back Features for the Transmitter Distributor Base (Includes Figures 11 through 15)	13			
13	178316 Modification Kit to Provide Answer-Back Features for the Transmitter Distributor Base (Includes Figures 11 through 15)	14			

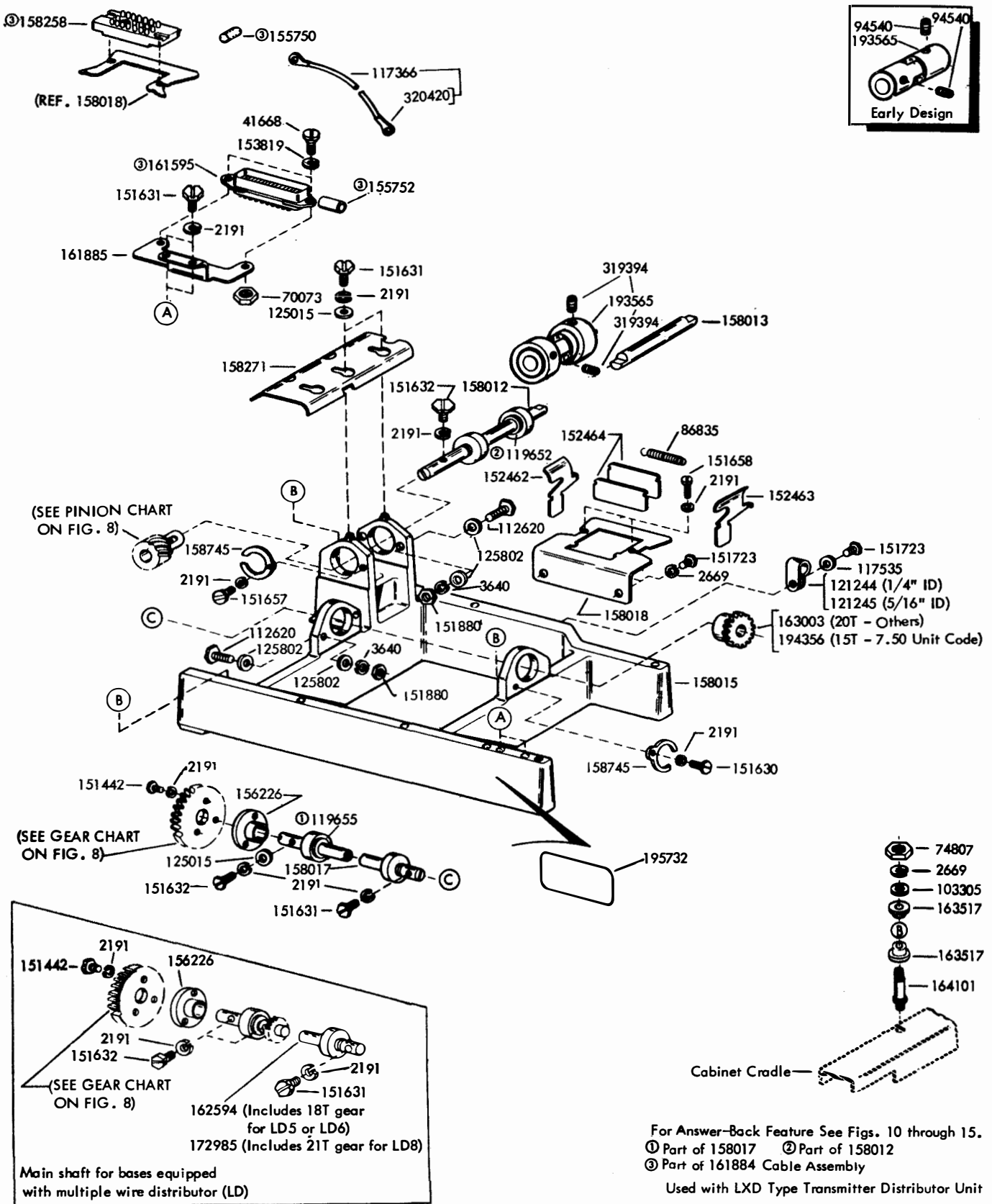


FIGURE 1. TRANSMITTER DISTRIBUTOR BASE

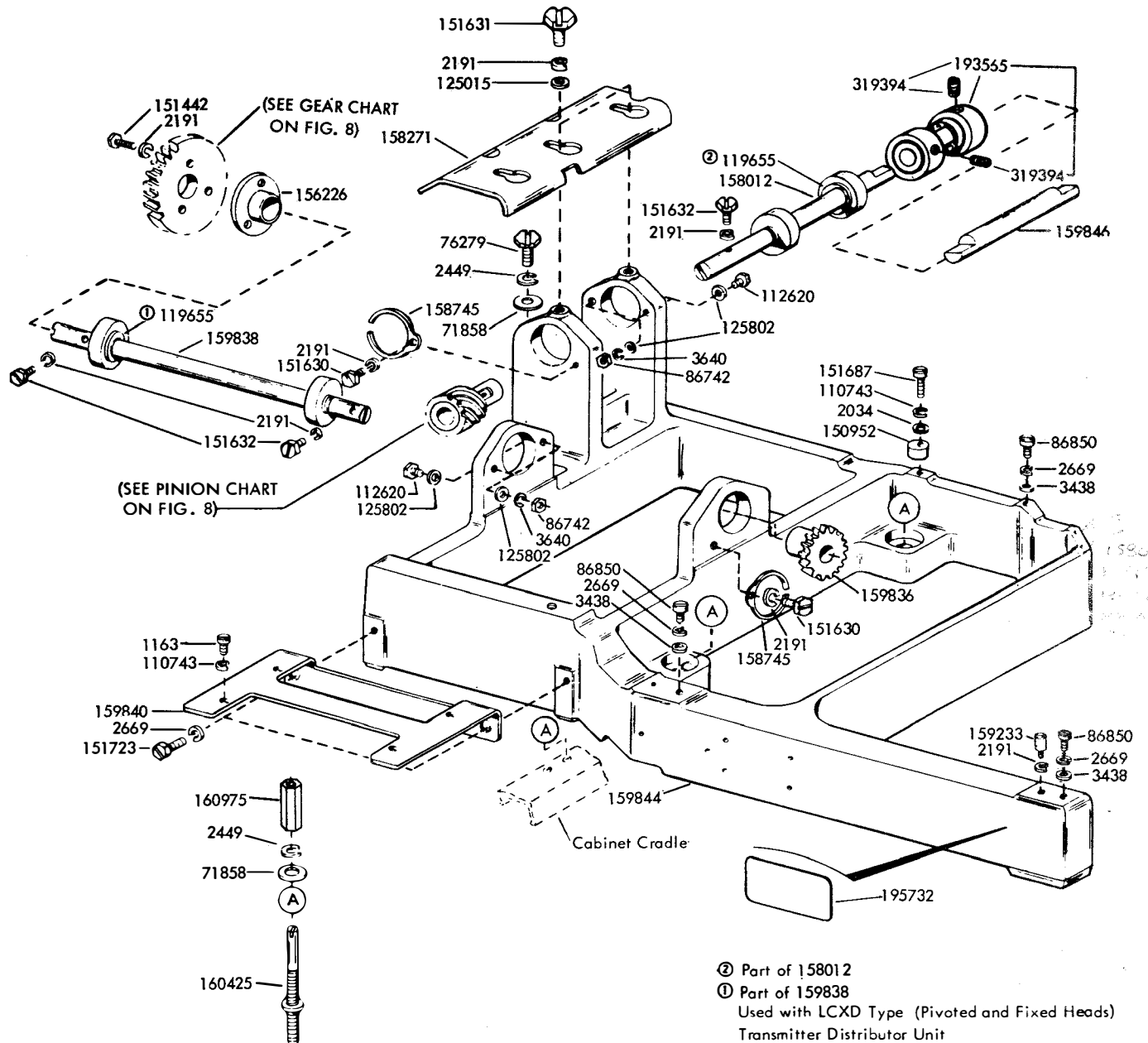
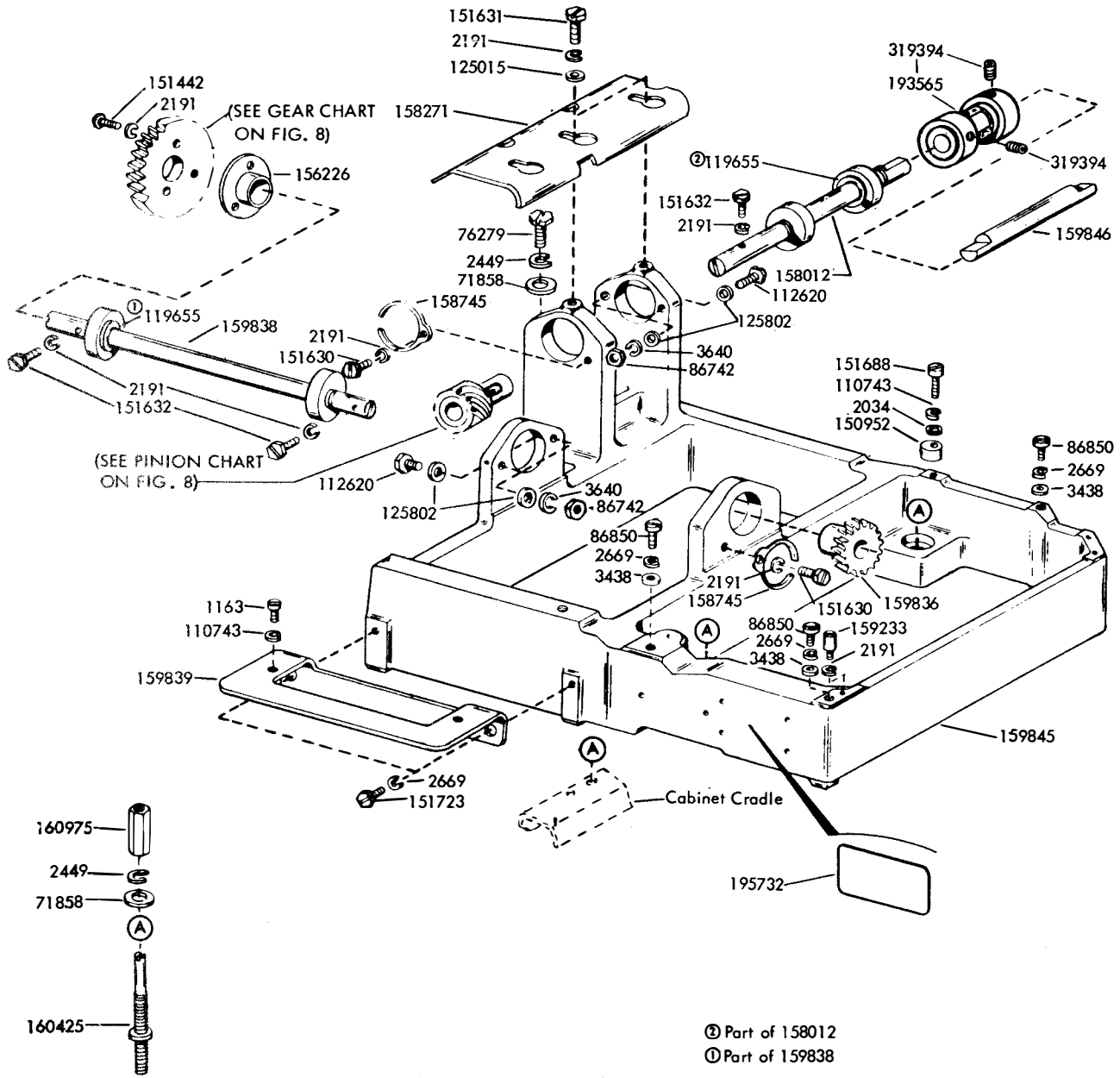


FIGURE 2. TRANSMITTER DISTRIBUTOR BASE (Continued)

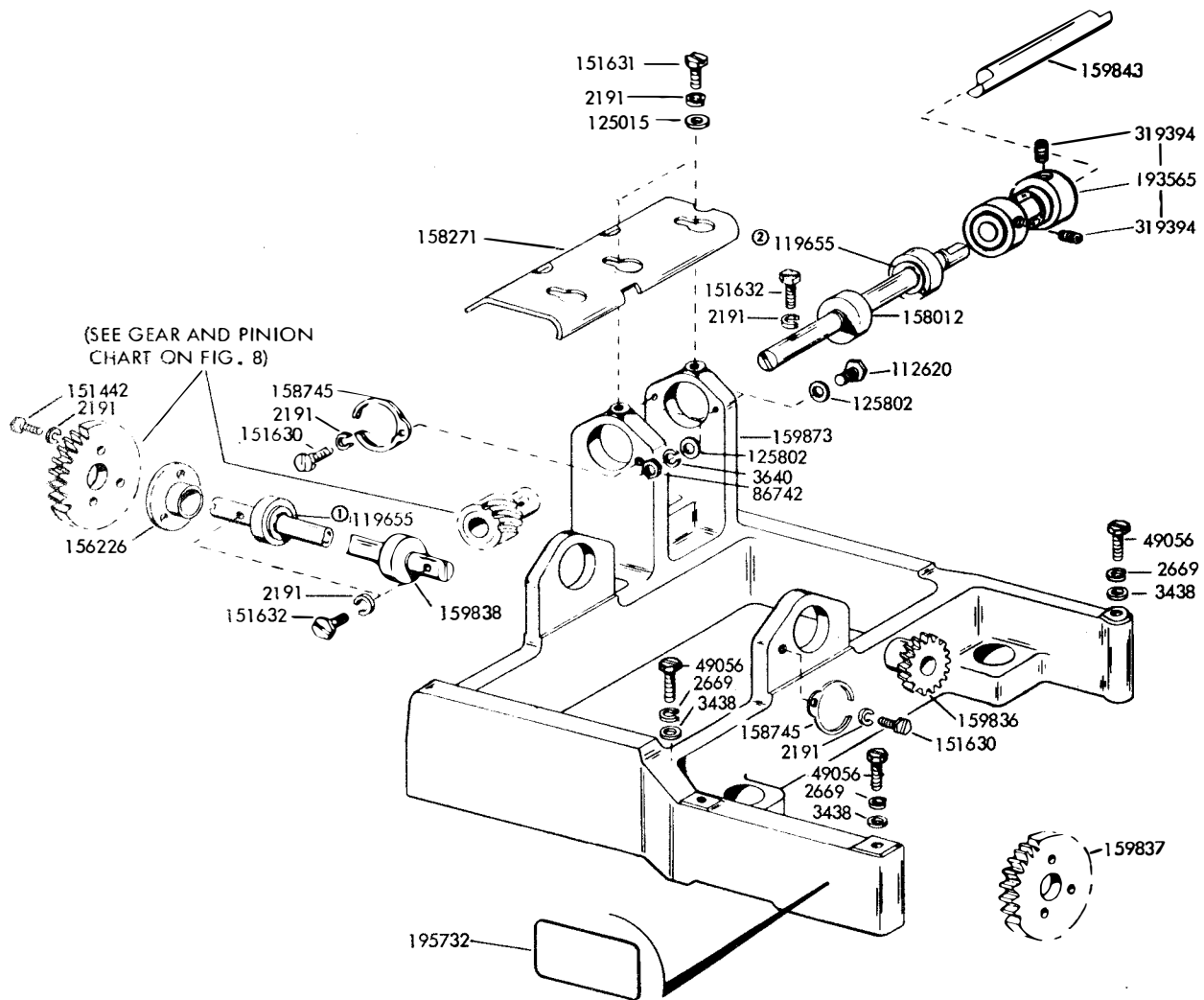


② Part of 158012

① Part of 159838

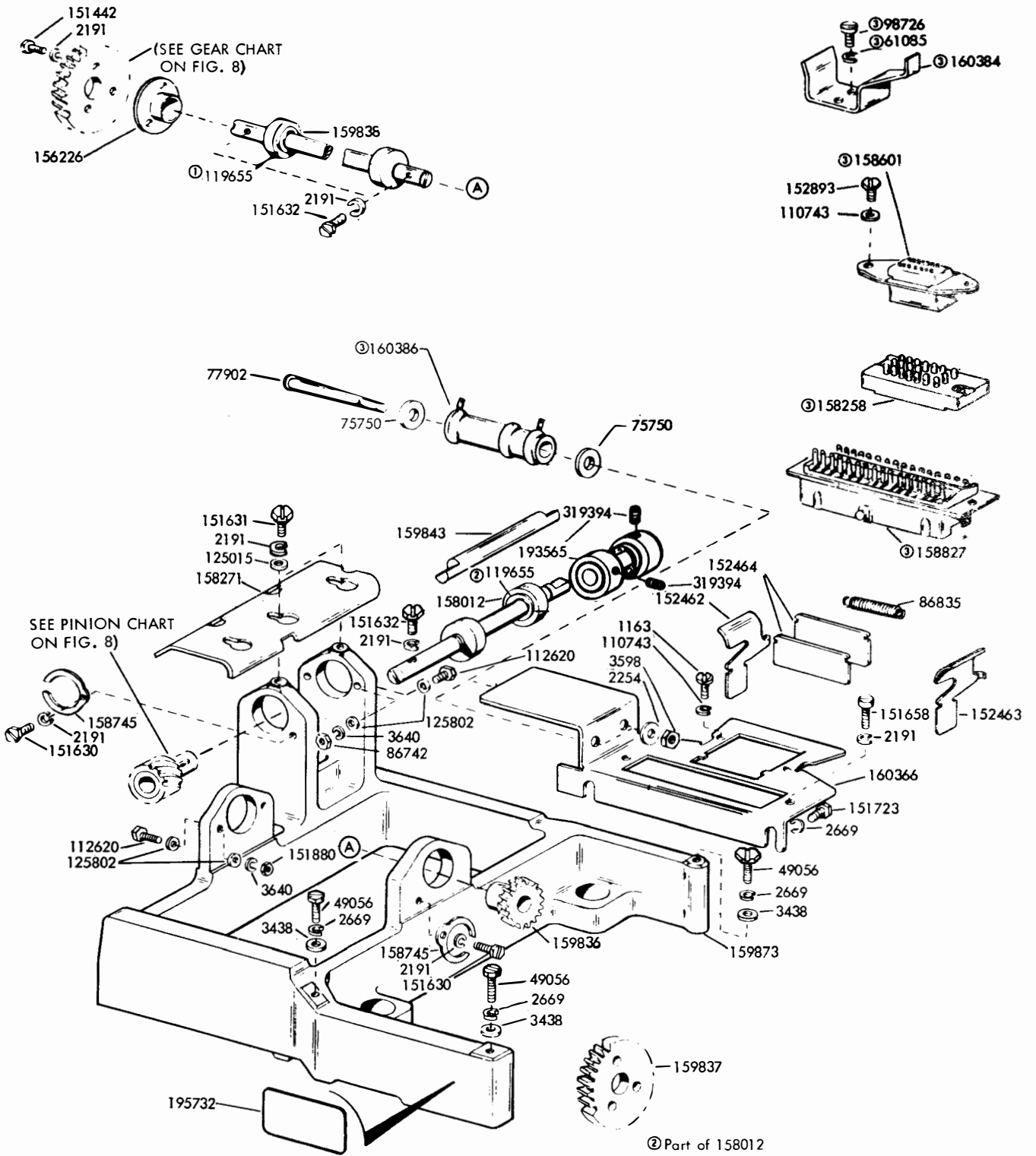
Used with LAXD Type (Pivoted Head, Multi-Contact) Transmitter Distributor Unit

FIGURE 3. TRANSMITTER DISTRIBUTOR BASE (Continued)



⊙ Part of 158012
 ⊙ Part of 159838
 Used with LBXD Type (Fixed Head, Multi-Contact)
 Transmitter Distributor Unit

FIGURE 5. TRANSMITTER DISTRIBUTOR BASE (Continued)



② Part of 158012
 ① Part of 159838
 ③ Part of 160368 Cable Assembly
 Used with LBXD Type (Fixed Head, Multi-Contact)
 Transmitter Distributor Unit

FIGURE 6. TRANSMITTER DISTRIBUTOR BASE (Continued)

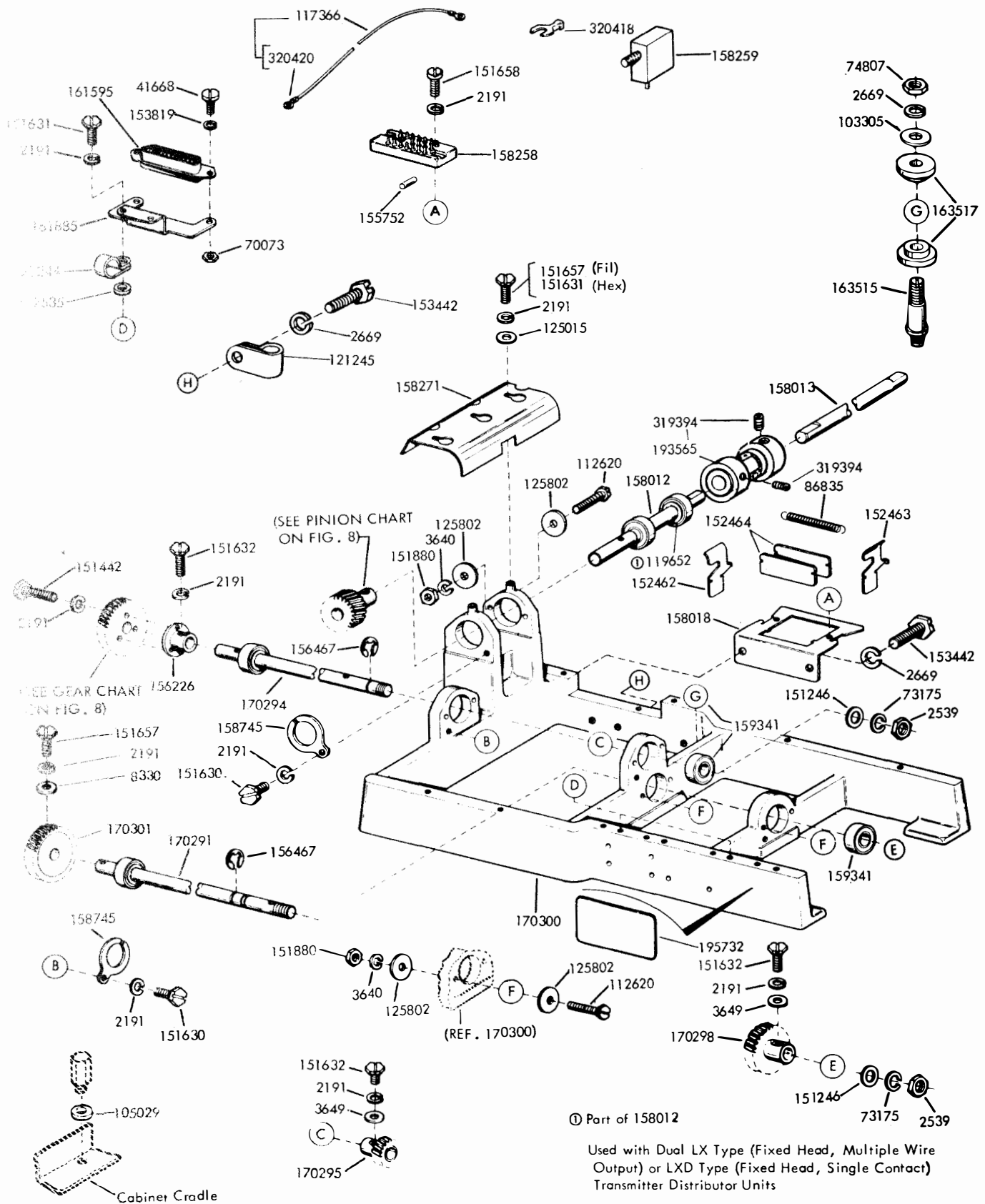
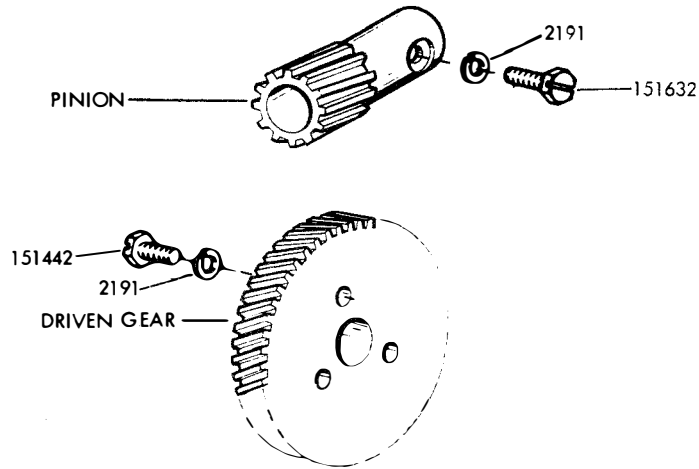


FIGURE 7. TRANSMITTER DISTRIBUTOR BASE (Continued)



SINGLE TRANSMITTER-DISTRIBUTOR BASE GEAR SETS					
GEAR SET	DRIVEN GEAR	PINION	WPM	UNIT CODE	BAUD
159882	155997 (60T)	155996 (13T)	65	7.00	45.5
173776	173819 (60T)	173818 (13T)	65	7.00	45.5
161357	161332 (42T)	161333 (10T)	71	7.00	50
163499	163498 (63T)	163497 (15T)	71	7.00	50
198056	198058 (70T)	198057 (19T)	81	7.00	56.9
159883	155999 (34T)	155998 (12T)	106	7.00	74.2
163454	163453 (56T)	163452 (20T)	107	7.00	75
158029	158006 (44T)	158005 (9T)	60	7.42	45.5
161356	161330 (49T)	161331 (11T)	67	7.42	50
158028	158004 (47T)	158003 (12T)	75	7.42	56.8
158027	158001 (33T)	158002 (11T)	100	7.42-11.0	74.2-110
178775	178777 (56T)	178776 (17T)	61	7.50	45.5
178772	178774 (60T)	178773 (20T)	66	7.50	50
178769	178771 (46T)	178770 (23T)	100	7.50	75
①305577	305570 (55T)	305569 (22T)	100	7.42	74.2
①305578	305572 (52T)	305571 (14T)	67	7.42	50
①305579	305574 (53T)	305573 (13T)	60	7.42	45.5

DUAL TRANSMITTER-DISTRIBUTOR BASE GEAR SETS					
GEAR SET	DRIVEN GEAR	PINION	WPM	UNIT CODE	BAUD
	199091 (56T)	199090 (20T)	107	7.00	75
	170190 (51T)	170189 (15T)	88	8.50	75
195146	195145 (49T)	195144 (11T)	67	7.42	50
	170297 (33T)	170293 (11T)	100	7.42-11.0	74.2-110

① Motor speed 3000 rpm (50 Hertz operation), all others 3600 rpm (60 Hertz operation).

FIGURE B. GEAR SETS

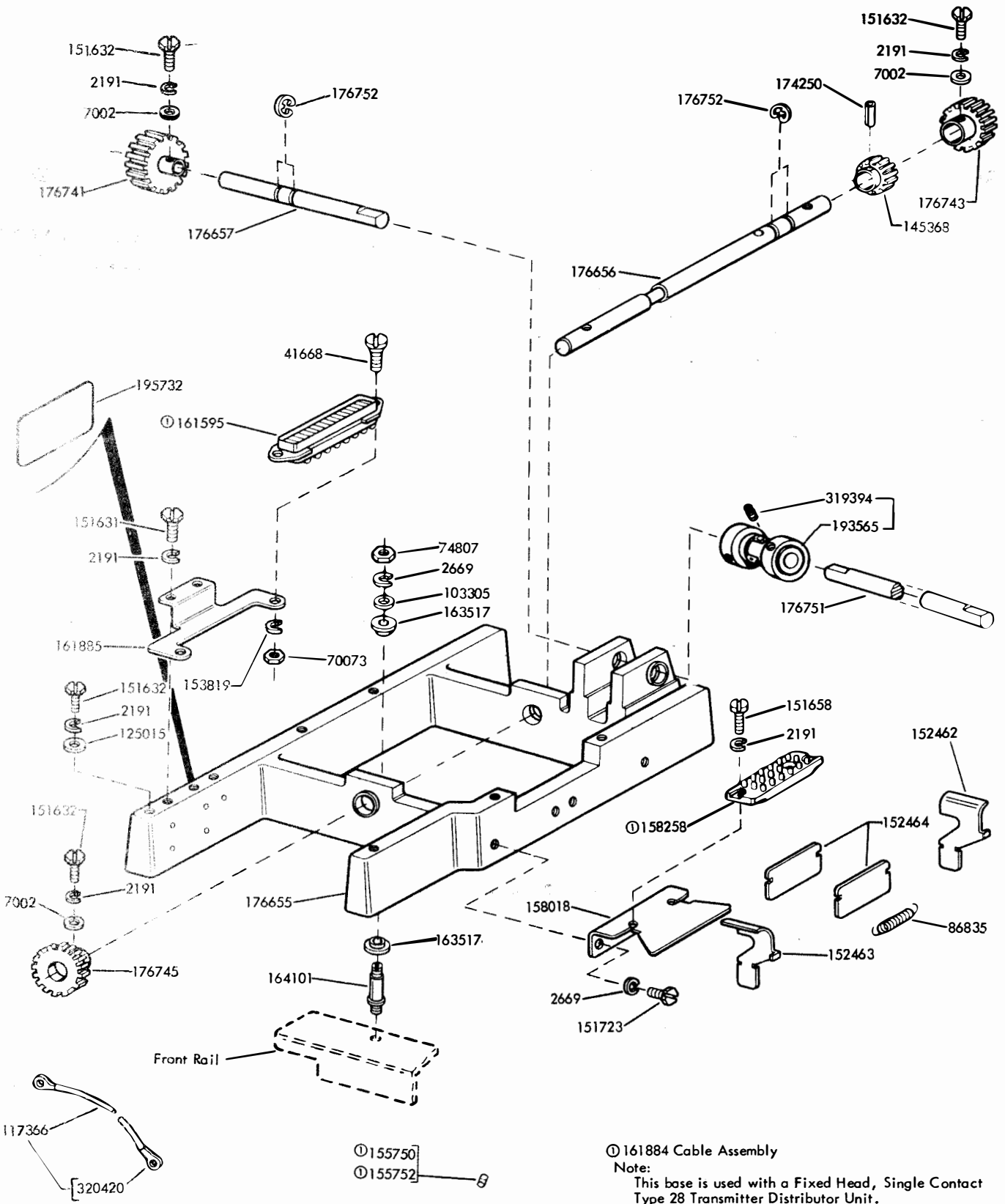


FIGURE 9. TRANSMITTER DISTRIBUTOR BASE WITH ANSWER-BACK FEATURE

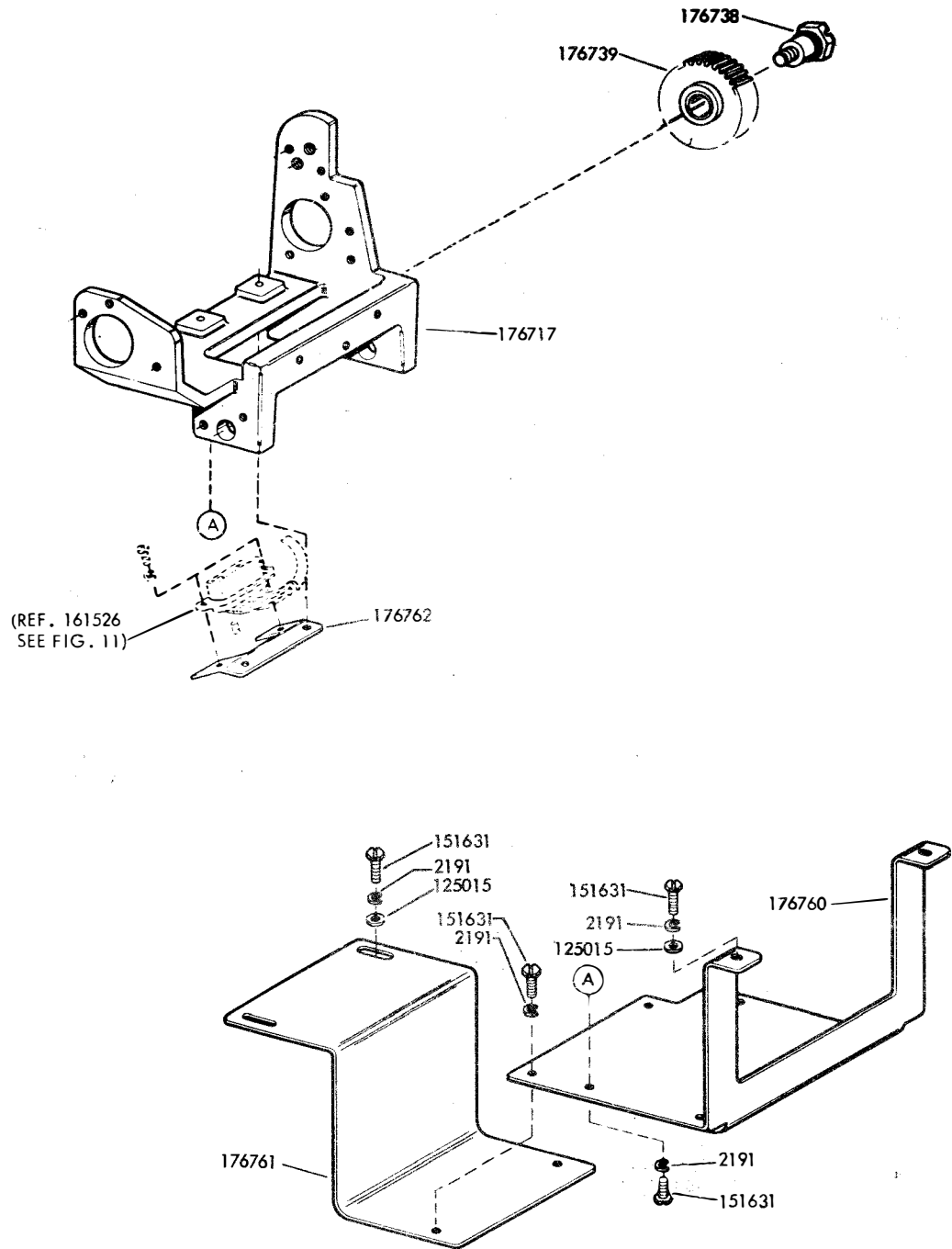


FIGURE 10. TRANSMITTER DISTRIBUTOR BASE WITH ANSWER-BACK FEATURE (Continued)

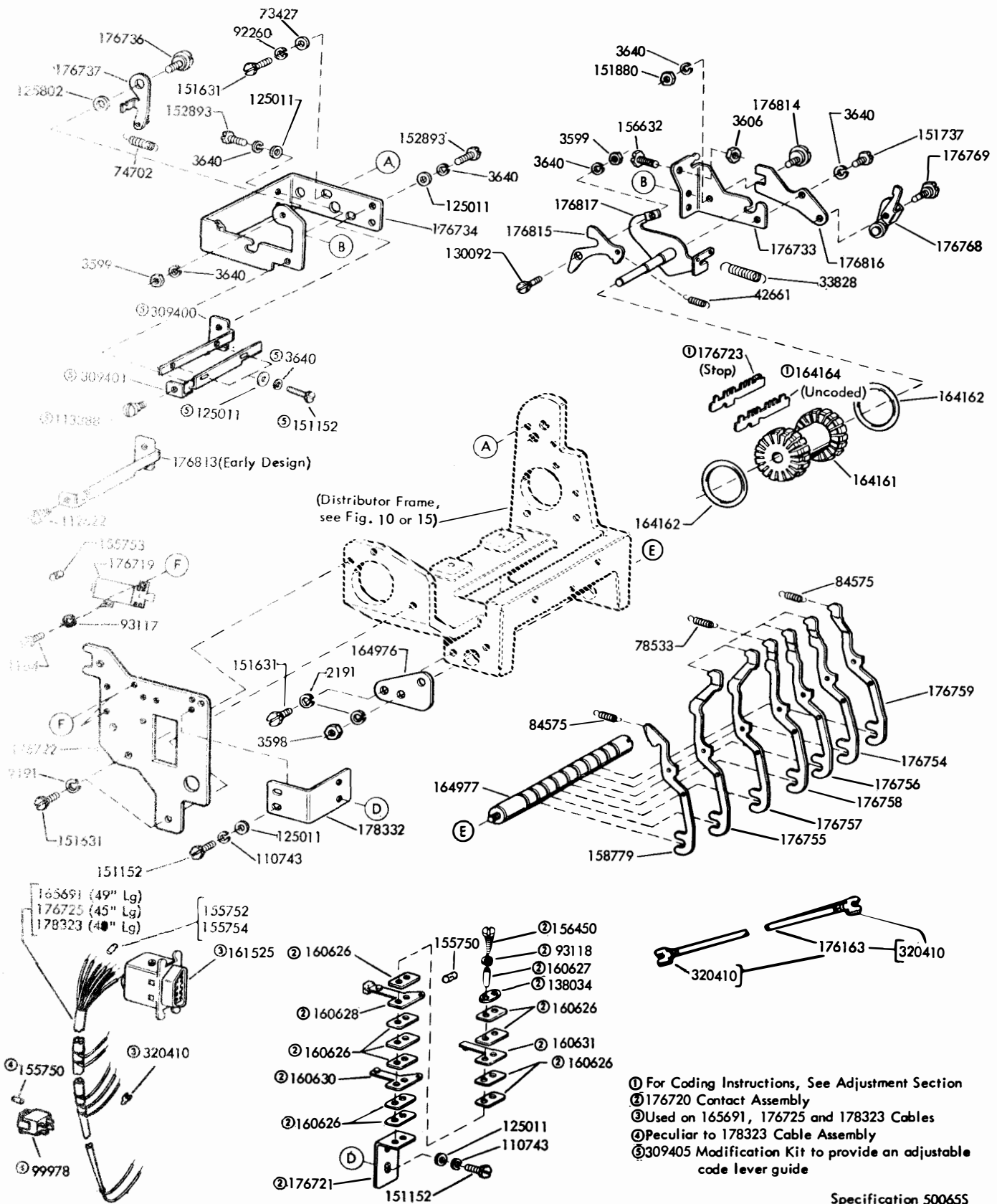


FIGURE 11 178316 MODIFICATION KIT TO PROVIDE ANSWER-BACK FEATURE FOR THE TRANSMITTER DISTRIBUTOR BASE (INCLUDES FIGURES 12 THROUGH 15)

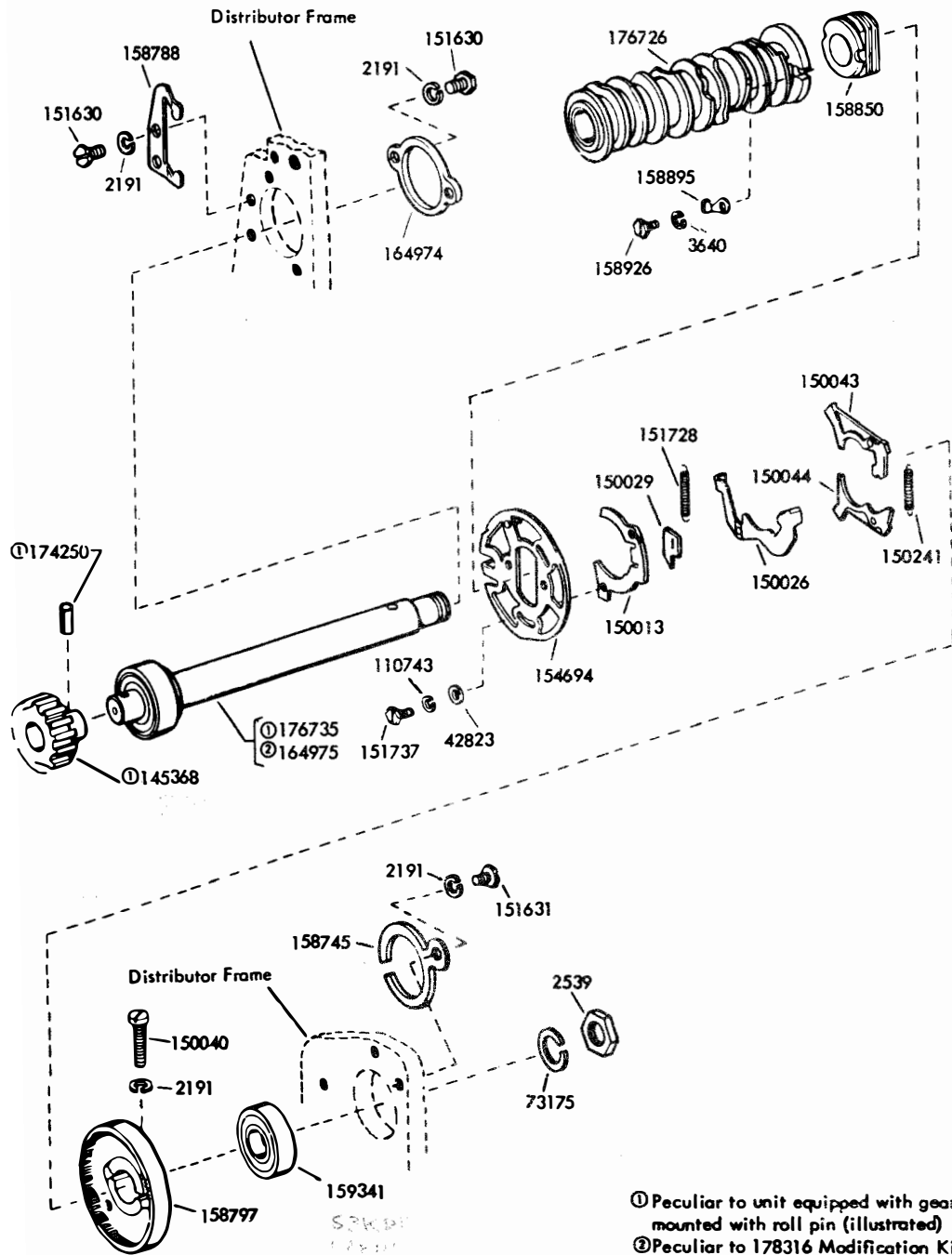


FIGURE 12. 178316 MODIFICATION KIT TO PROVIDE ANSWER-BACK FEATURE FOR THE TRANSMITTER DISTRIBUTOR BASE (INCLUDES FIGURES 11 THROUGH 15)

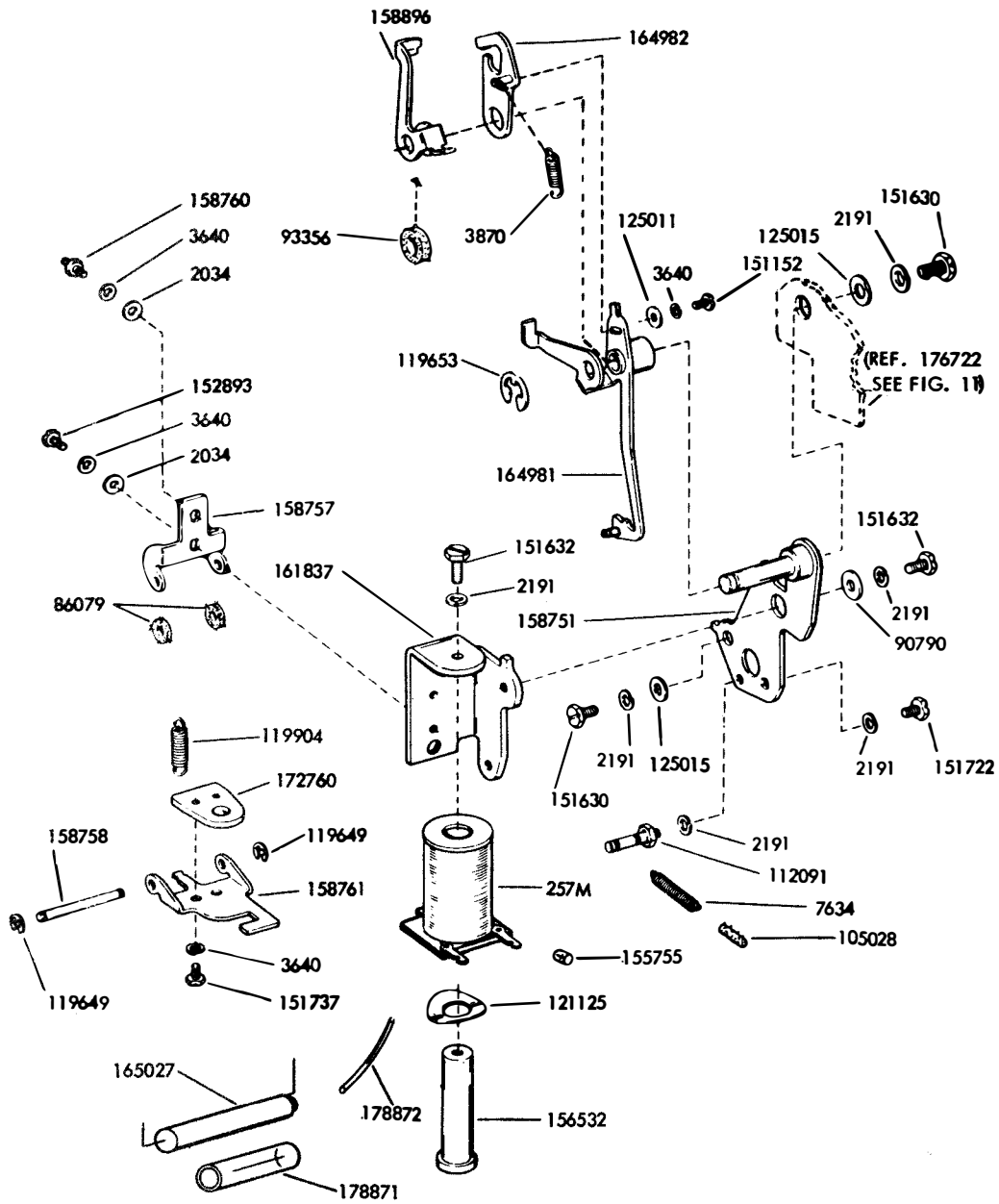


FIGURE 13. 178316 MODIFICATION KIT TO PROVIDE ANSWER-BACK FEATURE FOR THE TRANSMITTER DISTRIBUTOR BASE (INCLUDES FIGURES 11 THROUGH 15)

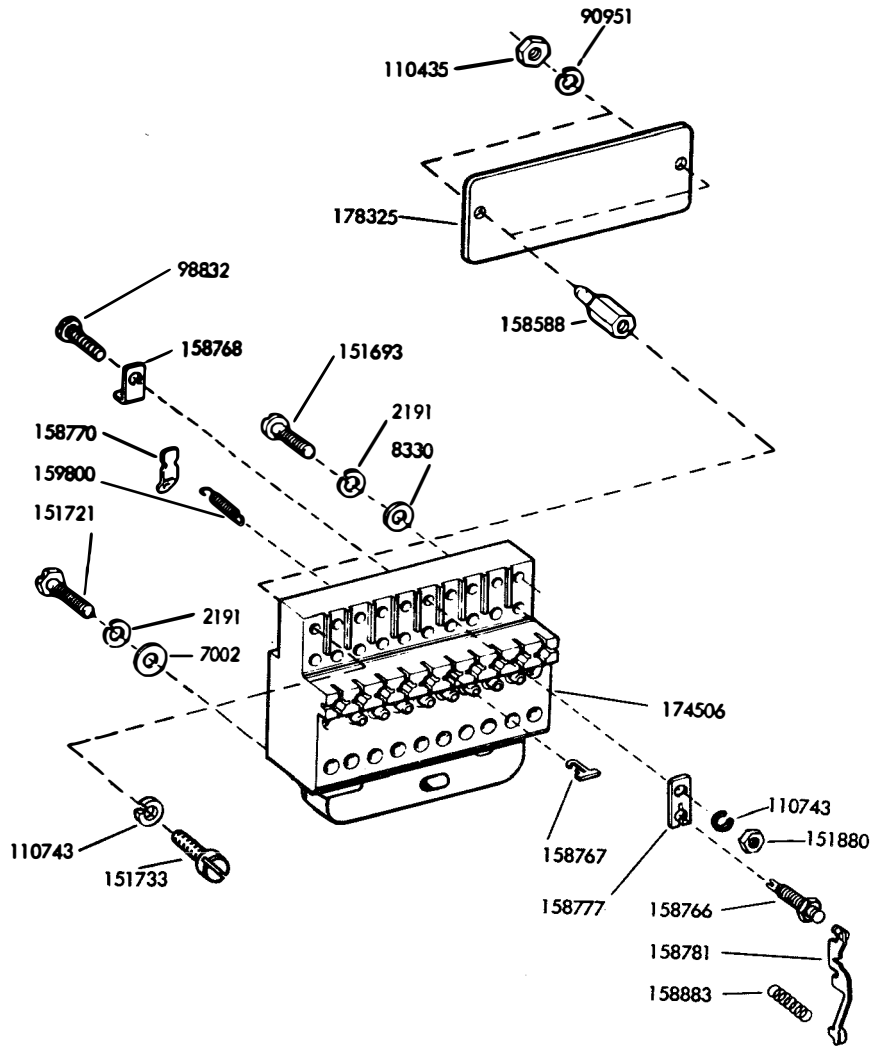


FIGURE 14. 178316 MODIFICATION KIT TO PROVIDE ANSWER-BACK FEATURE FOR THE TRANSMITTER DISTRIBUTOR BASE (INCLUDES FIGURES 11 THROUGH 15)

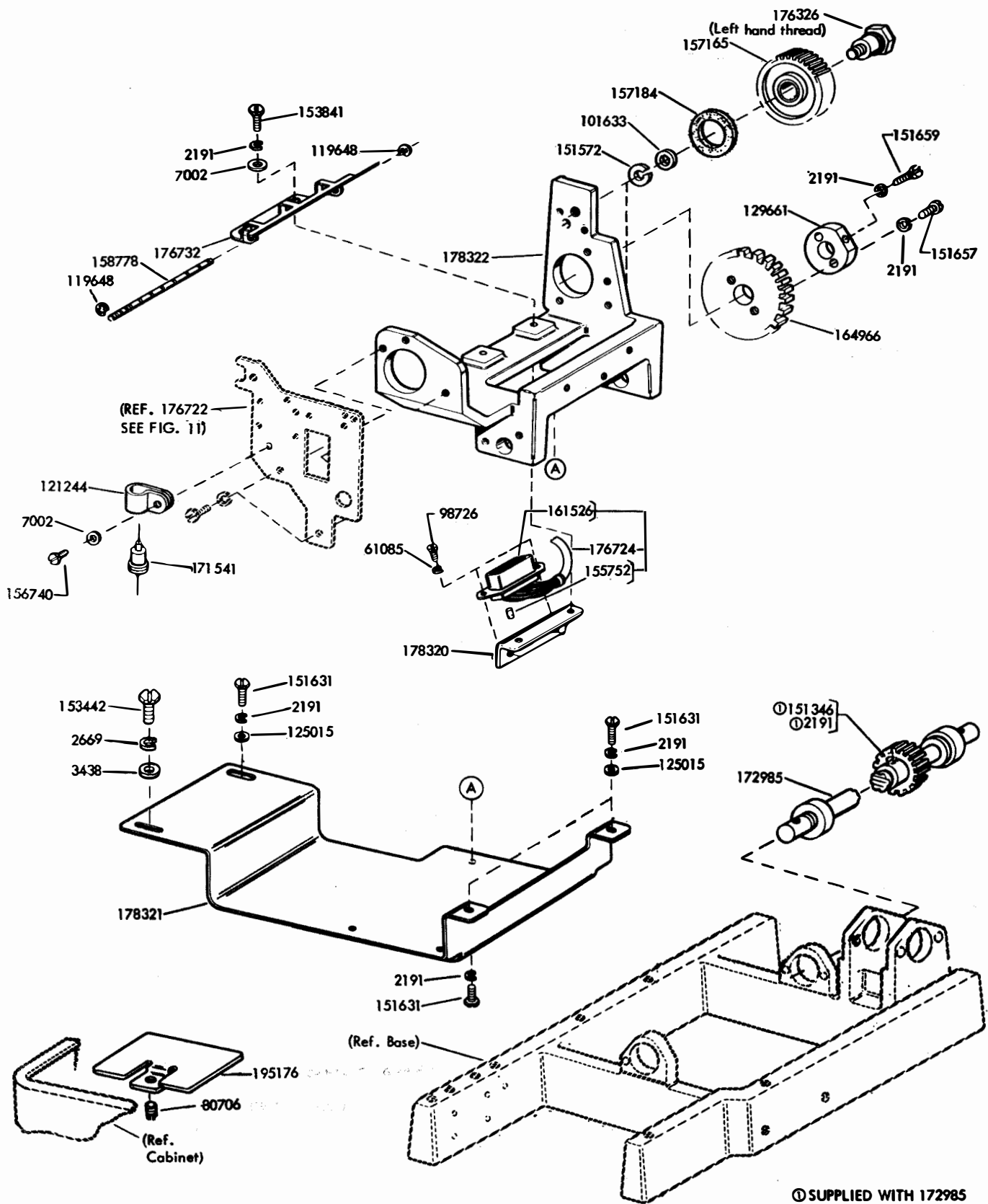
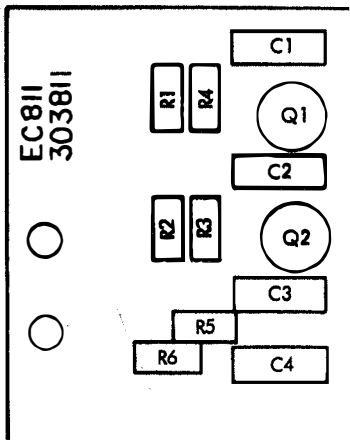


FIGURE 15. 178316 MODIFICATION KIT TO PROVIDE ANSWER-BACK FEATURE FOR THE TRANSMITTER DISTRIBUTOR BASE (INCLUDES FIGURES 11 THROUGH 14)



Reference Designation	Part Number	Description
Q1, 2	315930	Transistor
R1, 2	315955	Resistor, 2200 Ohm
R3, 4	321545	Resistor, 12000 Ohm
R5, 6	315948	Resistor, 100 Ohm
C1, 2, 3, 4	312385	Capacitor, 0.1 MFD
	144495	Pad, Transistor (under Q1 & 2)
	326276	Card, Circuit

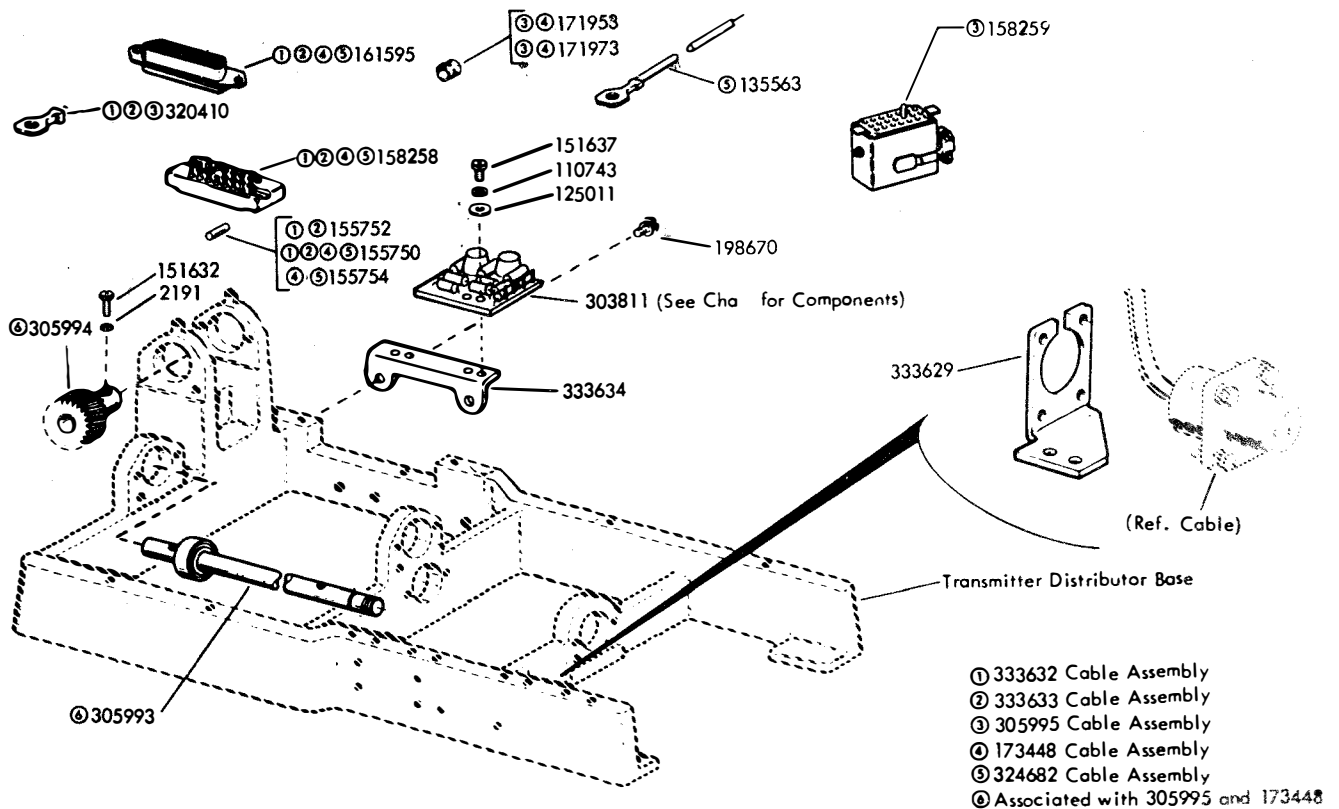


FIGURE 16. CABLING WITH ASSOCIATED COMPONENTS AND CIRCUIT CARD FOR DUAL TRANSMITTER DISTRIBUTORS

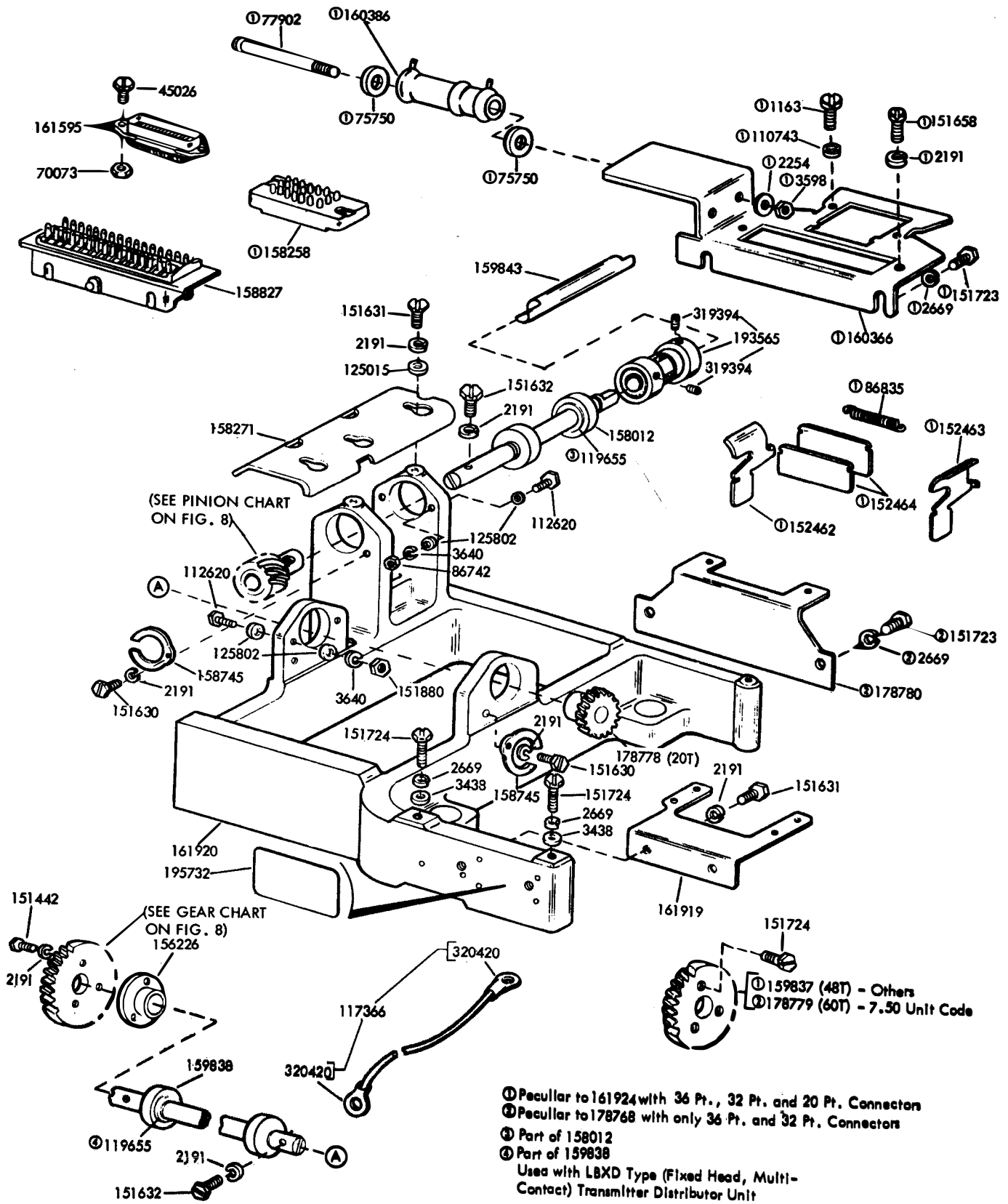
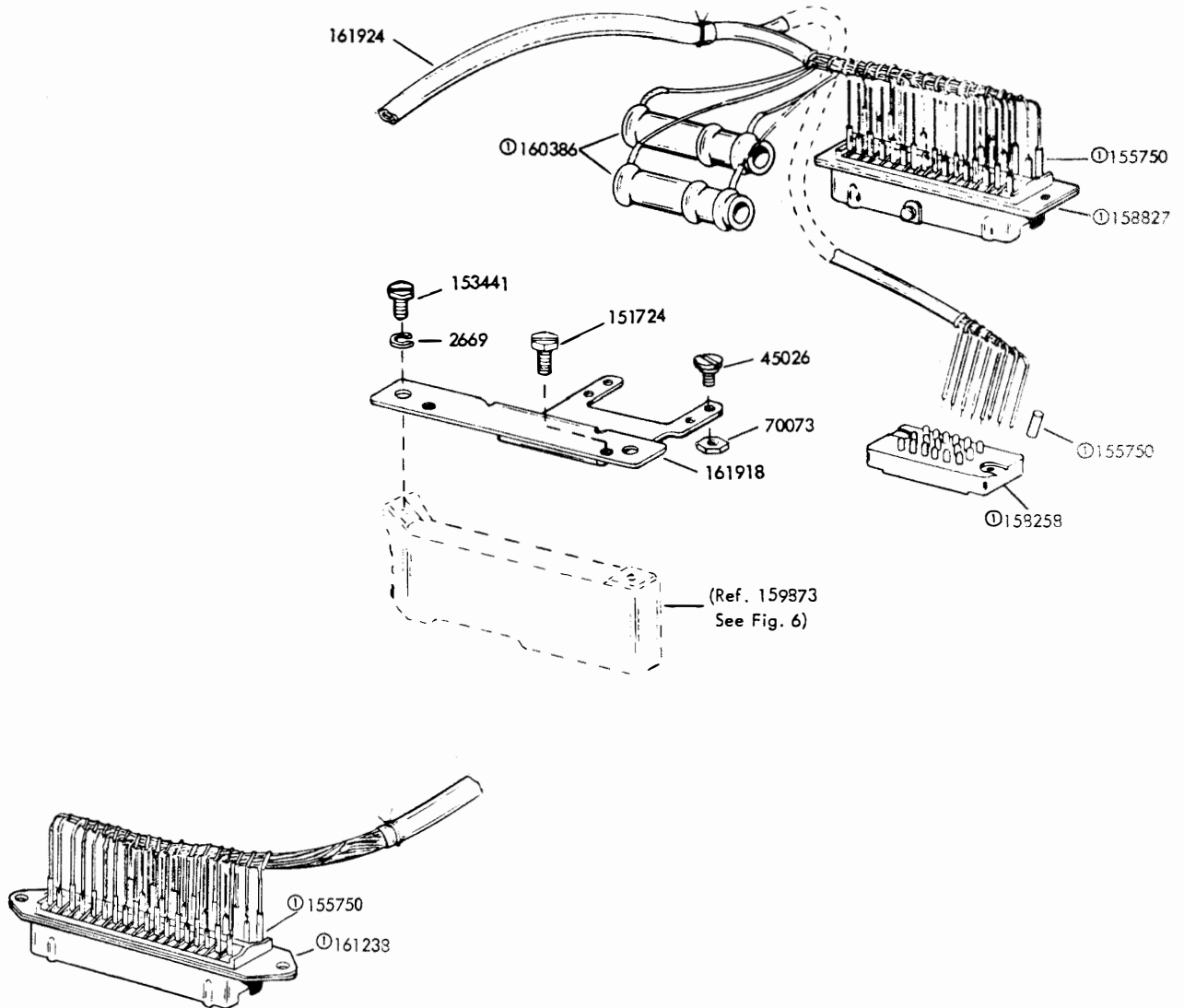


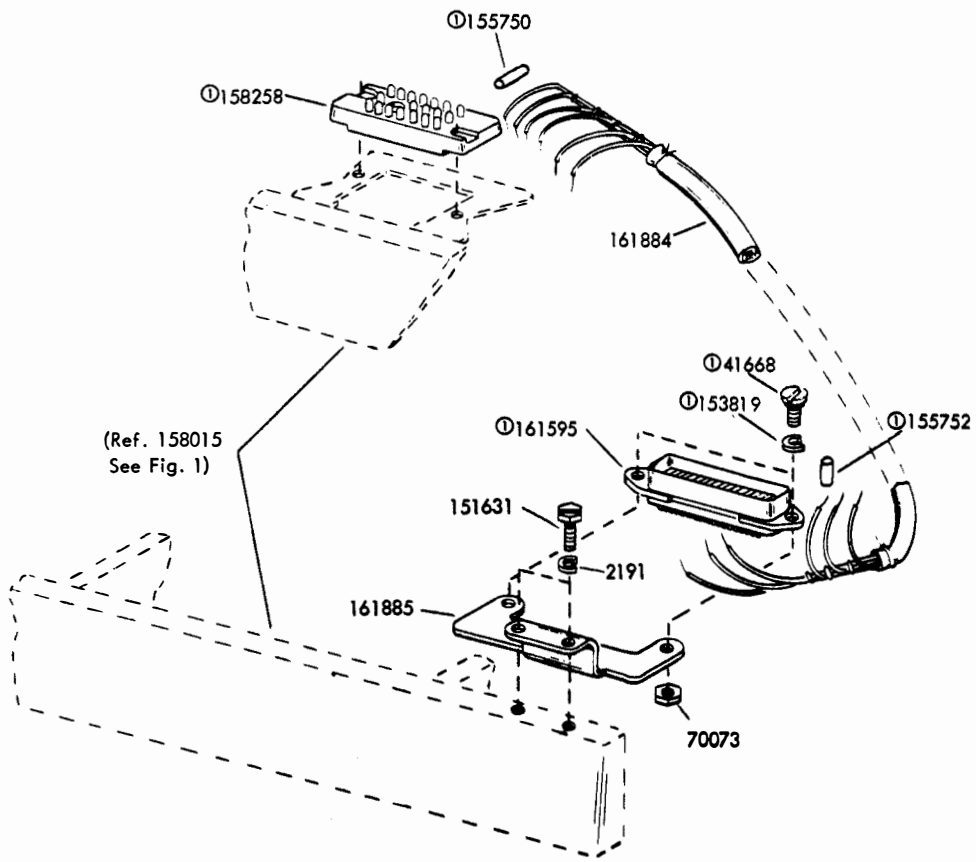
FIGURE 17. TRANSMITTER DISTRIBUTOR BASE



Specification 5927S

① Part of 161924 Cable Assembly

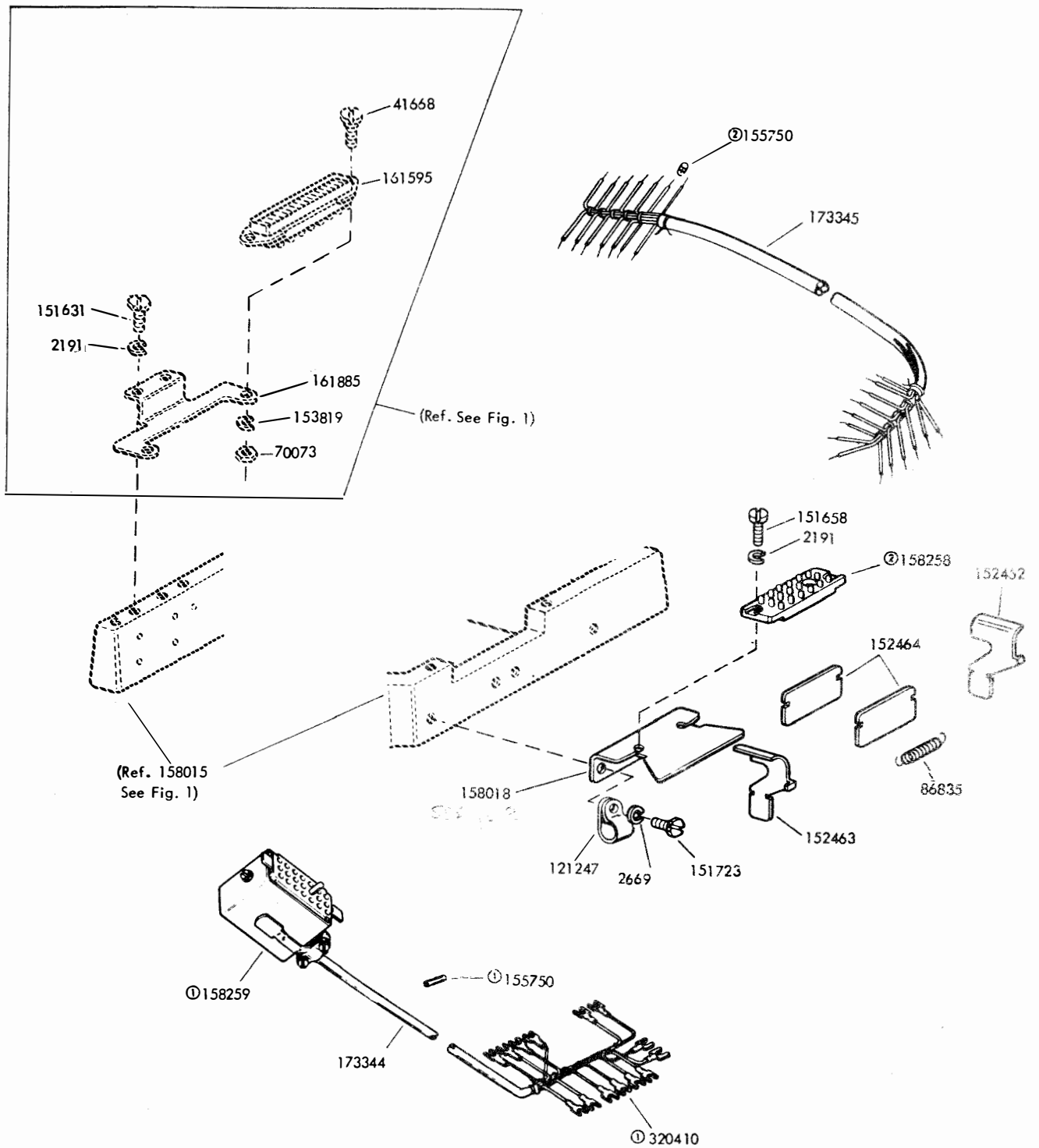
FIGURE 18. 161921 MODIFICATION KIT TO CONVERT AN LCXB7 BASE TO ACCEPT AN LBXD7 TRANSMITTER DISTRIBUTOR



Specification 59275

⊙ Part of 161884 Cable Assembly

FIGURE 19. 161833 MODIFICATION KIT TO CONVERT AN LCXB1 TO AN LCXB8 TRANSMITTER DISTRIBUTOR BASE



Specification 501745

① Part of 173344 Cable
 ② Part of 1733 5 Cable

FIGURE 20. 173343 MODIFICATION KIT FOR MULTIPLE WIRE OUTPUT FACILITIES ON LCXB8 BASE

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
257M	Coil, Magnet 14	84575	Spring 12	129661	Hub 16
1163	Screw, 4-140 x 3/16 Fil 3,4,5,7,18	86079	Washer, Felt 14	130092	Screw, 4-40 Shoulder 12
1164	Screw, 1-56 x 3/16 Fil 12	86742	Nut, 4-40 Hex 3 to 7,18	135563	Jumper, 2-3/4" Green 17
2034	Washer, Flat 3,4,14	86835	Spring 2,7,8,10,18,21	138034	Plate, Clamp 12
2191	Washer, Lock 2 to 18, 20,21	86850	Screw, 10-32 x 1-1/4 Fil 3,4	144495	Pad, Transistor Mounting 17
2254	Washer, Flat 7,18	90790	Washer, Flat 14	145368	Gear, 27T 10,13
2449	Washer, Lock 3,4	90951	Washer, Lock 15	150013	Disc, Adjusting 13
2539	Nut, 3/8-32 Hex 8,13	92260	Washer, Lock 12	150026	Lever, Shoe Release 13
2669	Washer, Lock 2,3,4,5,6, 7,8,10,16,18,19,21	93117	Washer, Lock 12	150029	Wick, Felt 13
3438	Washer, Flat 3,4,5,6,7, 16,18	93118	Washer, Lock 12	150040	Screw, 6-40 x 5/8 Fil 13
3598	Nut, 6-40 Hex 7,12,18	93356	Washer, Felt 14	150043	Shoe, Secondary Clutch 13
3599	Nut, 4-40 Hex 12	94540	Screw, 10-24 Set 2	150044	Shoe, Primary Clutch 13
3606	Nut, 6-40 Hex 12	98726	Screw, 3-48 x 1/4 Fil 5, 7,16	150241	Spring 13
3640	Washer, Lock 2 to 8,12, 13,14,18	98832	Screw, 4-40 x 11/16 Fil 15	150952	Eccentric 3,4
3649	Washer, Flat 8	99978	Connector, 4 Pt Flug 12	151152	Screw, 4-40 x 3/16 Hex 12,14
3870	Spring 14	101633	Washer, Flat 16	151246	Washer, Flat 8
7002	Washer, Flat 10,15,16	103305	Washer, Flat 2,8,10	151346	Screw, 6-40 x 3/8 Fil 16
7634	Spring 14	105028	Wick, Felt 14	151442	Screw, 6-40 x 1/2 Hex 2 to 9,18
8330	Washer, Flat 8,15	105029	Washer, Flat 8	151572	Washer, Lock 16
33828	Spring 12	110435	Nut, 4-40 Hex 15	151630	Screw, 6-40 x 1/4 Hex 2 to 8,13,14,18
41668	Screw, 3-48 Shoulder 2,8, 10,20,21	110743	Washer, Lock 3,4,5,7, 12,13,15,17,18	151631	Screw, 6-40 x 5/15 Hex 2 to 8,10 to 13,16,18,20, 21
42661	Spring 12	112091	Post, Spring 14	151632	Screw, 6-40 x 3/8 Hex 2 to 10,14,17,18
42823	Washer, Flat 13	112620	Screw, 4-40 x 1/2 Hex 2 to 8,18	151637	Screw, 4-40 x 1/4 Fil 17
45026	Screw, 3-48 Shoulder 18, 19	112622	Screw, 4-40 Shoulder 12	151657	Screw, 6-40 x 1/4 Fil 2, 8,16
49056	Screw, 10-32 x 7/8 Hex 5,6,7	113388	Screw, 4-40 Shoulder 12	151658	Screw, 6-40 x 5/16 Fil 2, 7,8,10,18,21
61085	Washer, Lock 5,7,16	117366	Jumper, 8-1/2" Green 2, 8,10,18	151659	Screw, 6-40 x 1/2 Fil 16
70073	Nut, 3-48 Hex 2,8,10, 18 to 21	117535	Washer, Flat 2,8	151687	Screw, 4-40 x 7/16 Fil 3
71858	Washer, Flat 3,4	119648	Ring, Retaining 16	151688	Screw, 4-40 x 5/8 Fil 4
73175	Washer, Lock 8,13	119649	Ring, Retaining 14	151693	Screw, 6-40 x 9/16 Fil 15
73427	Washer, Flat 12	119652	Ring, Retaining 2,8	151721	Screw, 6-40 x 3/4 Hex 15
74702	Spring 12	119653	Ring, Retaining 14	151722	Screw, 6-40 x 3/16 Hex 14
74807	Nut, 10-32 Shoulder Hex 2,8,10	119655	Ring, Retaining 2 to 7, 18	151723	Screw, 10-32 x 3/8 Hex 2 to 5,7,10,18,21
75750	Washer, Insulating 7,18	119904	Spring 14	151724	Screw, 10-32 x 5/8 Hex 18,19
76279	Screw, 1/4-32 x 5/8 Hex 3,4	121125	Washer, Spring 14	151728	Spring 13
77902	Screw, 6-40 x 2-3/8 Rd 7,18	121244	Clamp, 1/4 ID Cable 2,8, 16	151733	Screw, 4-40 x 9/16 Fil 15
78533	Spring 12	121245	Clamp, 5/16 ID Cable 2,8	151737	Screw, 4-40 x 11/64 Hex 12,13,14
80706	Screw, 6-40 Set 16	121247	Clamp, 7/16 ID Cable 21	151880	Nut, 4-40 Hex 2,7,8,12, 15,18
		125011	Washer, Flat 12,14,17		
		125015	Washer, Flat 2 to 8,10, 11,14,16,18		
		125802	Washer, Flat 2 to 8,12, 18		

NUMERICAL INDEX (Continued)

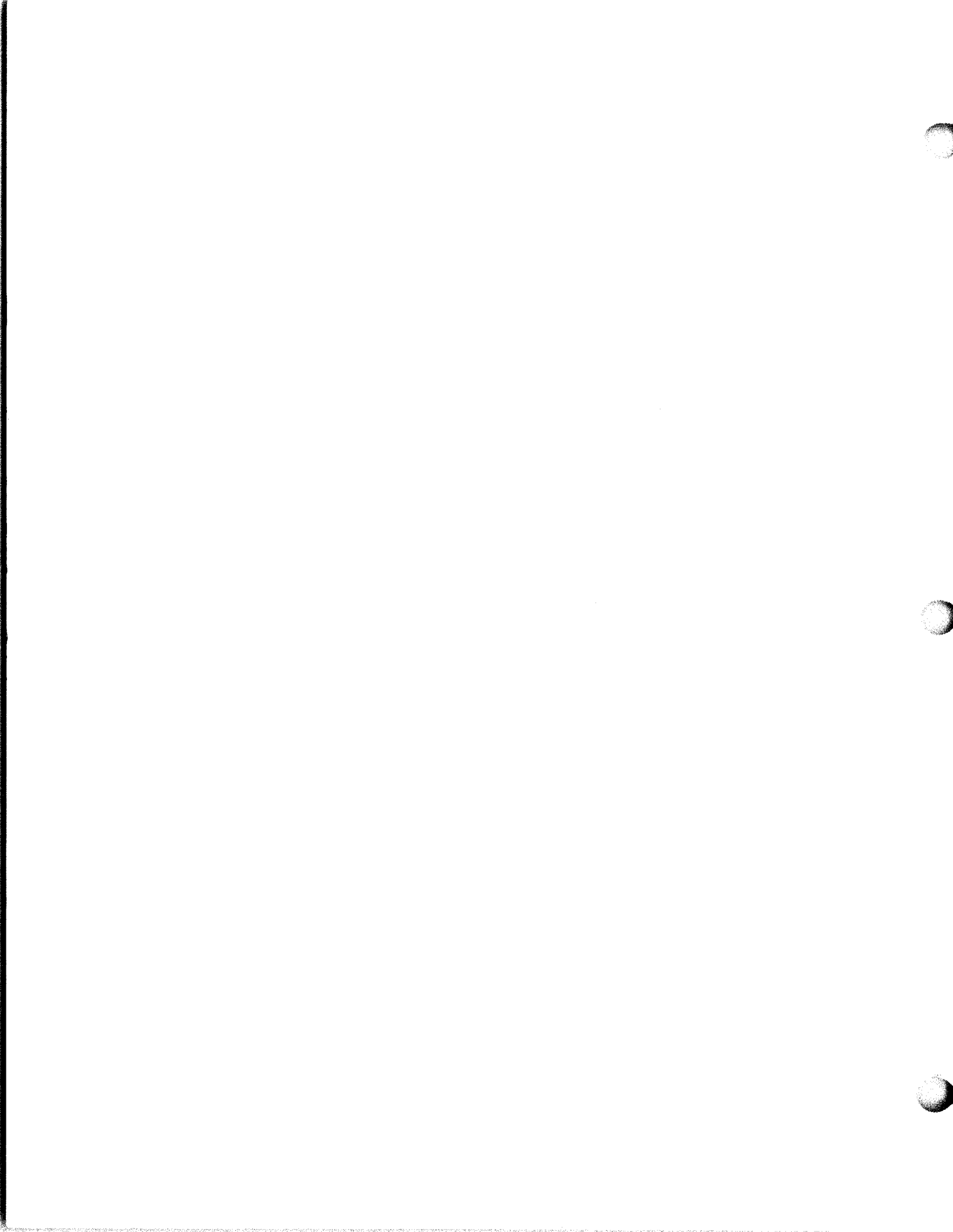
Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
152462	Latch, Right 2,7,8,10,18, 21	158015	Base 2,20,21	159873	Base 5,6,7,19
152463	Latch, Left 2,7,8,10,18, 21	158017	Shaft w/Bearing 2	159882	Gear Set, 65 wpm 9
152464	Insulator, .062" Thk 2, 7,8,10,18,21	158018	Bracket 2,8,10,21	159883	Gear Set, 106 wpm 9
152893	Screw, 4-40 x 1/4 Hex 5, 7,12,14	158027	Gear Set, 100 wpm 9	160366	Bracket 7,18
153441	Screw, 10-32 x 7/16 Hex 19	158028	Gear Set, 75 wpm 9	160368	Cable Assembly 7
153442	Screw, 10-32 x 1/2 Hex 8, 16	158029	Gear Set, 60 wpm 9	160374	Cable Assembly 5
153819	Washer, Lock 2,8,10,20,21	158258	Connector, 20 Pt Plug 2, 7,8,10,17 to 21	160384	Bracket 5,7
153841	Screw, 6-40 x 9/16 Hex 16	158259	Connector, 20 Pt Receptacle 8,17,21	160386	Resistor, 1,000 Ohm 7,18, 19
154694	Disc, Clutch Cam 13	158271	Guard, Gear 2 to 8,18	160425	Stud, Adjusting 3,4
155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 2,10,12, 17,19,20,21	158588	Post 15	160626	Insulator, .031" Thk 12
155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 2,8,10,12,16 17,20	158601	Connector, 14 Pt Plug 5,7	160627	Bushing, Insulating 12
155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 12	158745	Clamp, Bearing 2 to 8,13, 18	160628	Spring, Contact 12
155754	Sleeve, 1/16 ID x 1/2" Lg Insulating 12,17	158751	Plate, Clutch Trip 14	160630	Spring, Contact 12
155755	Sleeve, 11/64 ID x 5/8" Lg Insulating 14	158757	Hinge, Mounting 14	160631	Spring, Contact 12
155996	Pinion, 13T 9	158758	Shaft 14	160975	Nut, 1/4-32 Hex 3,4
155997	Gear, 60T 9	158760	Post, Spring 14	161238	Connector, 36 Pt Receptacle 19
155998	Pinion, 12T 9	158761	Bail, Armature 14	161330	Gear, 49T 9
155999	Gear, 34T 9	158766	Screw, 6-40 Contact 15	161331	Pinion, 11T 9
156226	Hub 2 to 8,18	158767	Guide, Lever 15	161332	Gear, 42T 9
156450	Screw, 2-56 x 1/2 Fil 12	158768	Terminal 15	161333	Pinion, 10T 9
156467	Ring, Retaining 8	158770	Terminal, Spring Holder 15	161356	Gear Set, 67 wpm 9
156532	Core 14	158777	Holder, Screw 15	161357	Gear Set, 71 wpm 9
156632	Screw, 6-40 x 13/32 Hex 12	158778	Post, Spring 16	161525	Connector, 14 Pt Plug 12
156740	Screw, 6-40 x 7/32 Hex 16	158779	Lever, Cam Follower 12	161526	Connector, 14 Pt Receptacle 11,12,16
156976	Connector, 32 Pt Plug 5	158781	Rocker, Contact 15	161595	Connector, 36 Pt Receptacle 2,8,10,17,18, 20,21
157165	Gear, 35T 16	158788	Clamp, Bearing 13	161833	Modification Kit 1,5,7
157184	Washer, Felt 16	158797	Drum, Clutch 13	161837	Bracket 14
158001	Gear, 33T 9	158827	Connector, 32 Pt Receptacle 5,7,18,19	161884	Cable Assembly 2,10,20
158002	Pinion, 11T 9	158850	Bearing, Sleeve 13	161885	Bracket, Connector 2,8, 10,20,21
158003	Pinion, 12T 9	158883	Spring, Compression 15	161918	Bracket, Connector 19
158004	Gear, 47T 9	158895	Clip 13	161919	Bracket, Connector 18
158005	Pinion, 9T 9	158896	Lever, Latch 14	161920	Base 18
158006	Gear, 44T 9	158926	Screw, 4-40 x 7/32 Hex 13	161921	Modification Kit 1,19
158012	Shaft w/Bearings 2 to 8, 18	159233	Stud 3,4	161924	Cable Assembly 18,19
158013	Shaft, Coupling 2,8	159341	Bearing, Ball 8,13	162594	Shaft 2
		159800	Spring 15	163003	Gear, 20T 2
		159836	Gear, 24T 3 to 7	163452	Pinion, 20T 9
		159837	Gear, 48T 5,6,7,18	163453	Gear, 56T 9
		159838	Shaft 3 to 7,18	163454	Gear Set, 107 wpm 9
		159839	Bracket, Plug Mounting 4	163497	Pinion, 15T 9
		159840	Bracket, Mounting 3,5	163498	Gear, 63T 9
		159843	Shaft, Coupling 5,6,7,18	163499	Gear Set, 71 wpm 9
		159844	Base 3	163515	Stud, Shoulder 8
		159845	Base 4	163517	Bushing, Rubber 2,8,10
		159846	Shaft, Coupling 3,4		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
164161	Stud, Shoulder 2,10	176722	Plate, Mounting 12,14,16	178769	Gear Set, 100 wpm 9
164161	Drum, Message 12	176723	Blade, Stop 12	178770	Pinion, 23T 9
164162	Ring, O 12	176724	Cable Assembly 16	178771	Gear, 46T 9
164164	Blade, Code 12	176725	Cable Assembly 12	178772	Gear Set, 66 wpm 9
164966	Gear, 42T 16	176726	Camsleeve 13	178773	Pinion, 20T 9
164974	Plate, Retaining 13	176732	Guide 16	178774	Gear, 60T 9
164975	Shaft w/Bearing 13	176733	Bracket 12	178775	Gear Set, 61 wpm 9
164976	Plate 12	176734	Bracket 12	178776	Pinion, 17T 9
164977	Shaft, Lever 12	176735	Shaft w/Bearing 13	178777	Gear, 56T 9
164981	Lever, Trip 14	176736	Screw, 4-40 Eccentric Shoulder 12	178778	Pinion, 20T 18
164982	Lever, Trip 14	176737	Lever, Detent 12	178779	Gear, 60T 18
165027	Network, Spark Suppression 14	176738	Screw, 10-32 Shoulder 11	178780	Bracket, Connector 18
165691	Cable Assembly 12	176739	Gear, 45T 11	178871	Sleeve, 1/2 ID x 1-1/8" Lg Insulating 14
170189	Pinion, 15T 9	176741	Gear, 33T 10	178872	Sleeve, 1/16 ID x 1-1/4" Lg Insulating 14
170190	Gear, 51T 9	176743	Gear, 33T 10	193565	Coupling, Flexible 2 to 8,10,18
170291	Shaft, Idler 8	176745	Gear, 40T 10	194356	Pinion, 15T 2
170293	Pinion, 11T 9	176751	Shaft 10	195144	Pinion, 11T 9
170294	Shaft w/Bearings 8	176752	Ring, Retaining 10	195145	Gear, 49T 9
170295	Gear, 25T 8	176754	Lever, No. 1 Cam Follower 12	195146	Gear Set, 67 wpm 9
170297	Gear, 33T 9	176755	Lever, No. 5 Cam Follower 12	195176	Guard, Contact 16
170298	Gear, 40T 8	176756	Lever, No. 2 Cam Follower 12	195732	Plate, Identification 2, 3,4,5,6,7,8,10,18
170300	Base 8	176757	Lever, No. 4 Cam Follower 12	198056	Gear Set, 81 wpm 9
170301	Gear, 50T 8	176758	Lever, No. 3 Cam Follower 12	198057	Pinion, 19T 9
171541	Diode 16	176759	Lever 12	198058	Gear, 70T 9
171953	Connector, Orange Shielding 17	176760	Bracket, Mounting 11	198670	Screw w/Lockwasher, 6-40 x 5/16 Hex 17
171973	Connector, Black Insulated 17	176761	Bracket 11	199090	Pinion, 20T 9
172760	Armature 14	176762	Bracket, Connector 11	199091	Gear, 56T 9
172985	Shaft w/Bearing and Gear 2,16	176768	Lever, Drive 12	303811	Card, Circuit 17
173343	Modification Kit 1,21	176769	Screw, 6-40 Pilot 12	305569	Pinion, 22T 9
173344	Cable Assembly 21	176813	Guide 12	305570	Gear, 55T 9
173345	Cable Assembly 21	176814	Screw, 4-40 Eccentric Shoulder 12	305571	Pinion, 14T 9
173448	Cable Assembly 17	176815	Pawl, Stepping 12	305572	Gear, 52T 9
173776	Gear Set, 65 wpm 9	176816	Plate 12	305573	Pinion, 13T 9
173818	Pinion, 13T 9	176817	Plate, Drive 12	305574	Gear, 53T 9
173819	Gear, 60T 9	178316	Modification Kit 1,12 to 16	305577	Gear Set, 100 wpm 9
174250	Pin, Roll 10,13	178320	Bracket, Connector 16	305578	Gear Set, 67 wpm 9
174506	Block, Contact 15	178321	Plate, Mounting 16	305579	Gear Set, 60 wpm 9
176163	Jumper, 18" Black 12	178322	Frame, Distributor 16	305993	Shaft 17
176326	Screw, 10-32 Shoulder 16	178323	Cable Assembly 12	306994	Pinion, 36T 17
176655	Base w/Bearings 10	178325	Cover, Insulator 15	305995	Cable Assembly 17
176656	Shaft 10	178332	Bracket 12	309400	Bracket, Guide 12
176657	Shaft 10	178768	Cable Assembly 18	309401	Guide 12
176717	Frame, Distributor 11			309405	Modification Kit 12
176719	Resistor, 1,000 Ohm 12			312385	Capacitor, .1 MFD 17
176720	Contact Assembly 12			315930	Transistor 17
176721	Bracket, Contact 12				

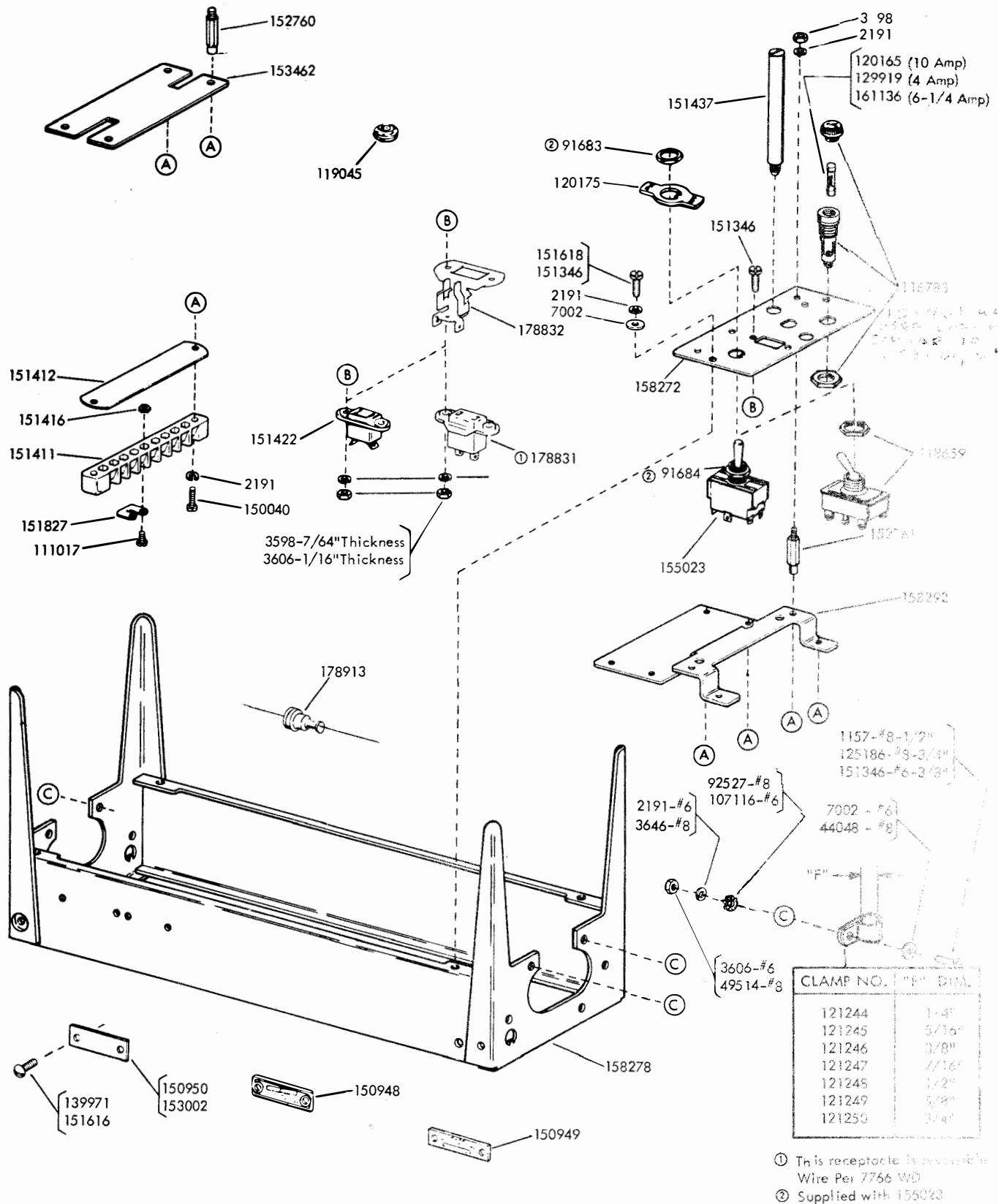
NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
315948	Resistor, 100 Ohm 17	320418	Terminal, Ring Type 8	326276	Card, Circuit 17
315955	Resistor, 2200 Ohm 17	320420	Terminal, Ring Type 2,8, 10,18	333629	Bracket 17
319394	Screw, 10-24 Set 2 to 8, 10,18	321545	Resistor, 12,000 Ohm 17	333632	Cable Assembly 17
320410	Terminal, Spade Type 12, 17,21	324682	Cable Assembly 17	333633	Cable Assembly 17
				333634	Bracket 17



28 ELECTRICAL SERVICE UNIT (LESU)
FOR
AUTOMATIC SEND-RECEIVE SETS
PARTS

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
1	Container	3	27	152625 Line Test Key Assembly	20
2	Line Shunt Relay and Mounting Plates	4	28	Resistor Modification Kits	20
3	Plates and Resistors	5	29	173452 Electronic Keyer Assembly	21
4	Mounting Brackets and Capacitor for 48 Volt Rectifier	6	30	146652 Modification Kit to add Wave Shaping Inductor	21
5	Low Tape Bell	6	31	Line Jack Assembly	22
6	153251 Motor Control Assembly	7	32	154747 Modification Kit to add Continuous Spacing	22
7	152950 Rectifier and Cable Assembly (150 MA)	8	33	164868 Modification Kit to Provide a Cabinet with an Auxiliary Electrical Service Unit	23
8	162361 and 310275 Rectifiers and Cable Assemblies (500 MA)	8	34	Auxiliary Electrical Service Unit	24
9	146901 and 170573 Rectifier Assemblies	9	35	Components to Provide for AC and DC Power Distribution	25
10	305631 Rectifier Assembly	10	36	Components to Provide Line Relays and Selector Battery	26
11	177010 and 178601 Selector Magnet Driver Assemblies 179560 Selector Magnet Driver Assembly with Open Line Detector	11	37	336176 Power Distribution Assembly	27
12	Line Relay Mounting	12	38	336177 Plate Assembly	28
13	170285 and 173281 Resistor Assemblies	13	39	310217 Selector Magnet Driver Assembly	29
14	178138 Slow Release Relay Assemblies (Non-Contention)	13	40	304605 Selector Magnet Driver Relay with Rectifier	30
15	Quick Acting Relay (10 MS) Mechanism	14	41	161829 Modification Kit for Mounting an Electrical Service Unit on Relay Rack Brackets	31
16	159318 Slow Release Relay Assembly	14	42	179139 and 195036 Auxiliary Reperforator Line Relay Assembly	31
17	176810 Answer-Back Control Relay Assembly	15	43	160422 Modification Kit to Equip Cabinet with Rectifier	31
18	176694 (Motor Control) and 176698 (Slow Release) Relay Assemblies	15	44	192750 Rectifier Assembly	32
19	152332 and 176448 Motor Control Relay Assemblies	16	45	179610 and 179611 Modification Kit to Reduce Radio Frequency Noise on ASR Set	33
20	155558 D.C. Control Relay Assembly	16	46	179610 and 179611 Modification Kit to Reduce Radio Frequency Noise on ASR Set (Continued)	34
21	178345 Modification Kit and 178608 Relay Assembly to Provide Motor Control and Answer-Back Relays	17	47	Rectifier-130 V DC-20 V AC	35
22	165650 Motor Control and Answer-Back Relay Assembly	17	48	162483 Call Directing Relay Unit	36
23	165673 and 178307 Motor Control Relay Assemblies	18	49	179472 Modification Kit to Provide a Transmitter Control	37
24	160420 and 195038 Auxiliary Line Shunt Relay Assemblies 179444 and 173239 Auxiliary Reader Control Relay Assemblies	18	50	Cable Components	38
25	158293, 164232, 173252, and 194492 Line Test Key Assemblies	19		Numerical Index	39
26	Line Test Key Control	19			



CLAMP NO.	"F" DIM.
121244	1-4"
121245	5/16"
121246	3/8"
121247	7/16"
121248	1/2"
121249	5/8"
121250	3/4"

- ① This receptacle is available Wire Per 7766 WD
- ② Supplied with 155023

FIGURE 1. CONTAINER

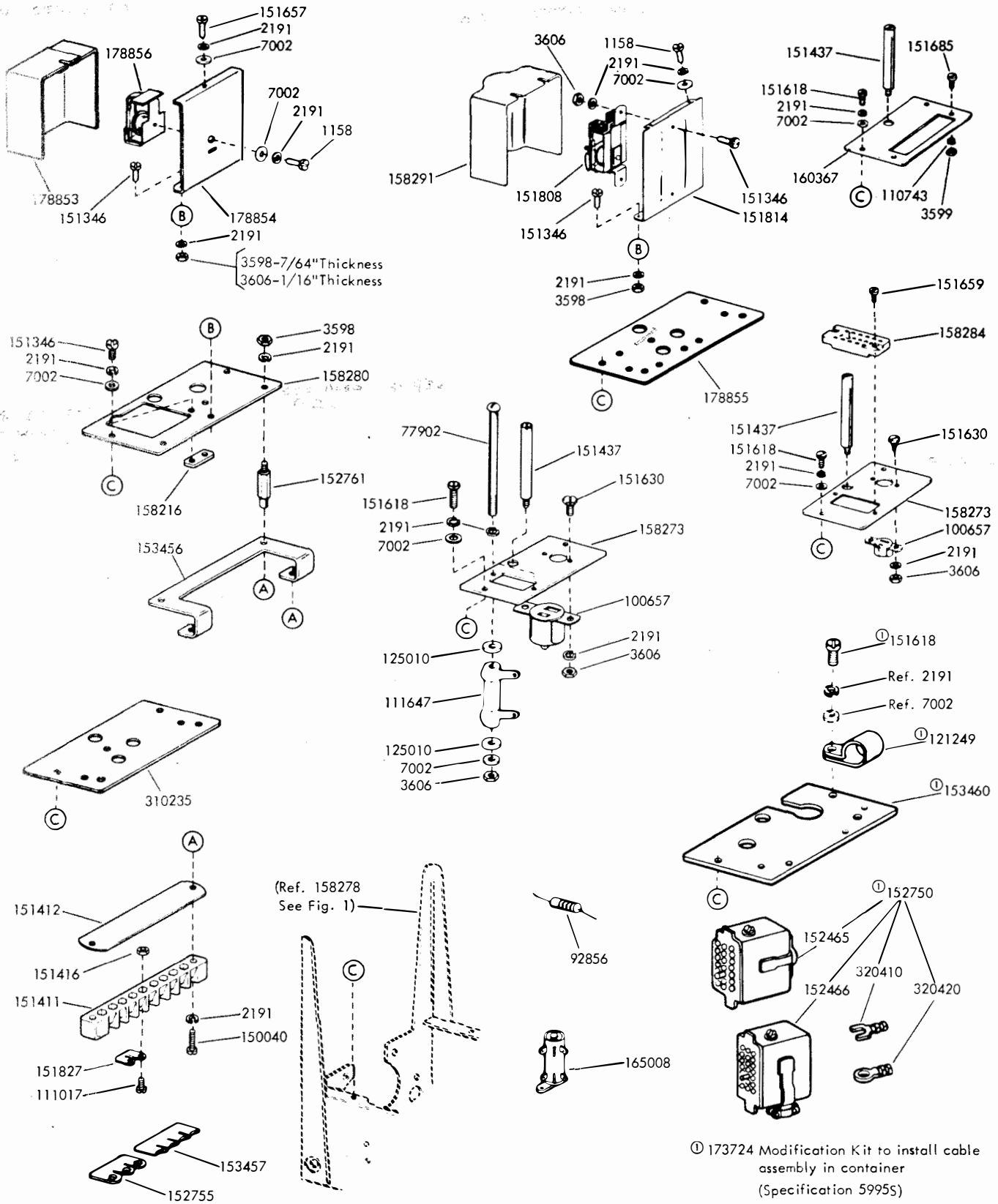


FIGURE 2. LINE SHUNT RELAYS AND MOUNTING PLATES

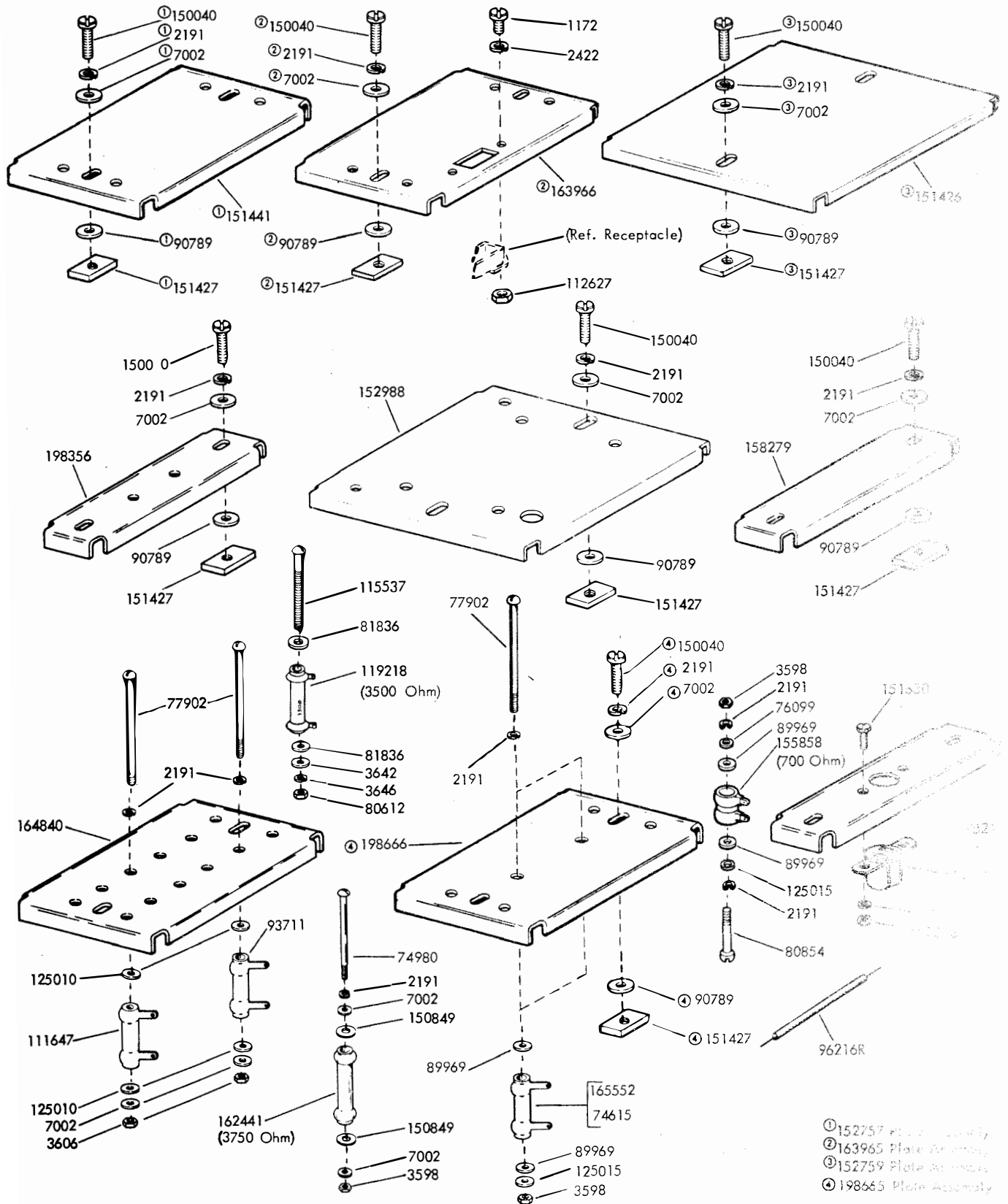


FIGURE 3. PLATES AND RESISTORS

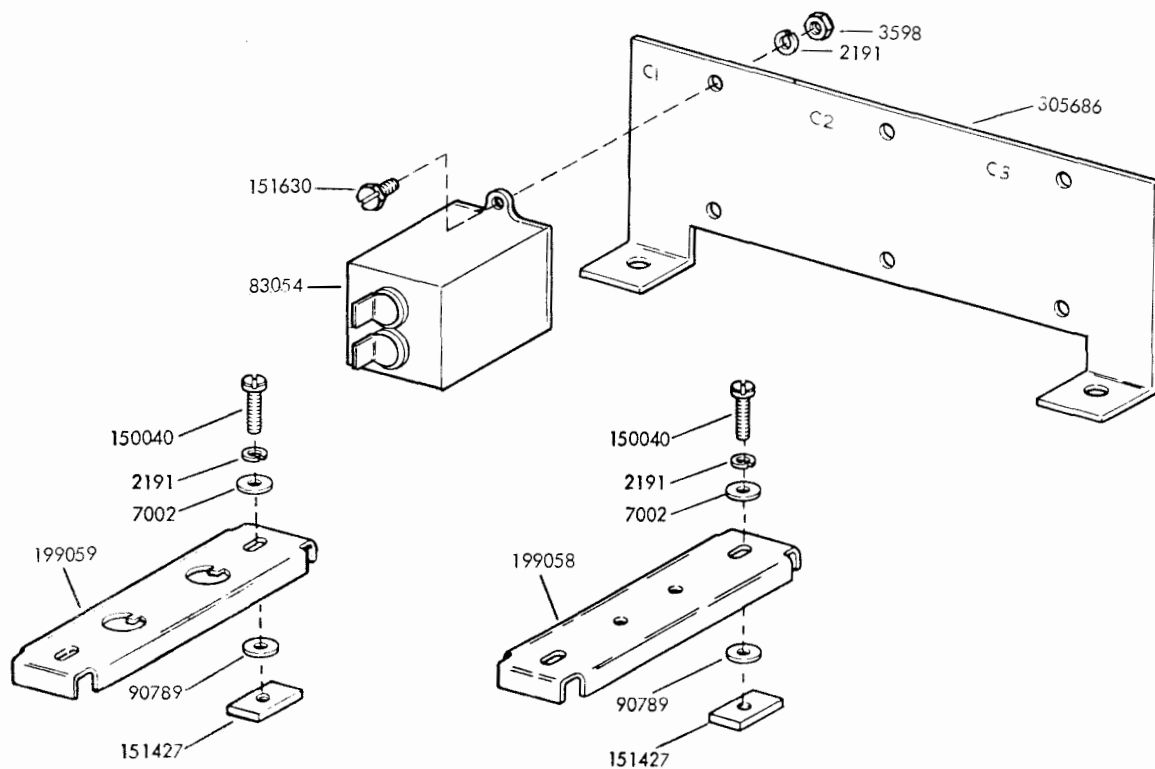


FIGURE 4. MOUNTING BRACKETS AND CAPACITOR FOR 48 VOLT RECTIFIER

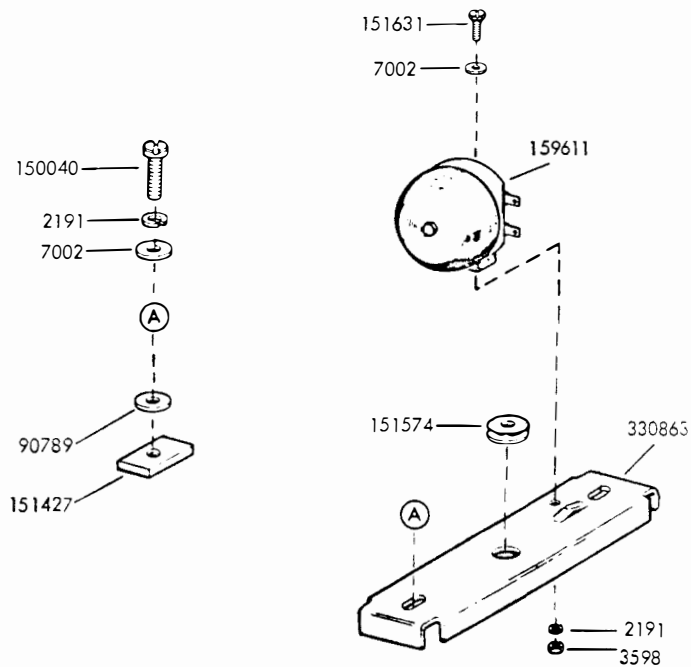


FIGURE 5. LOW TAPE BELL

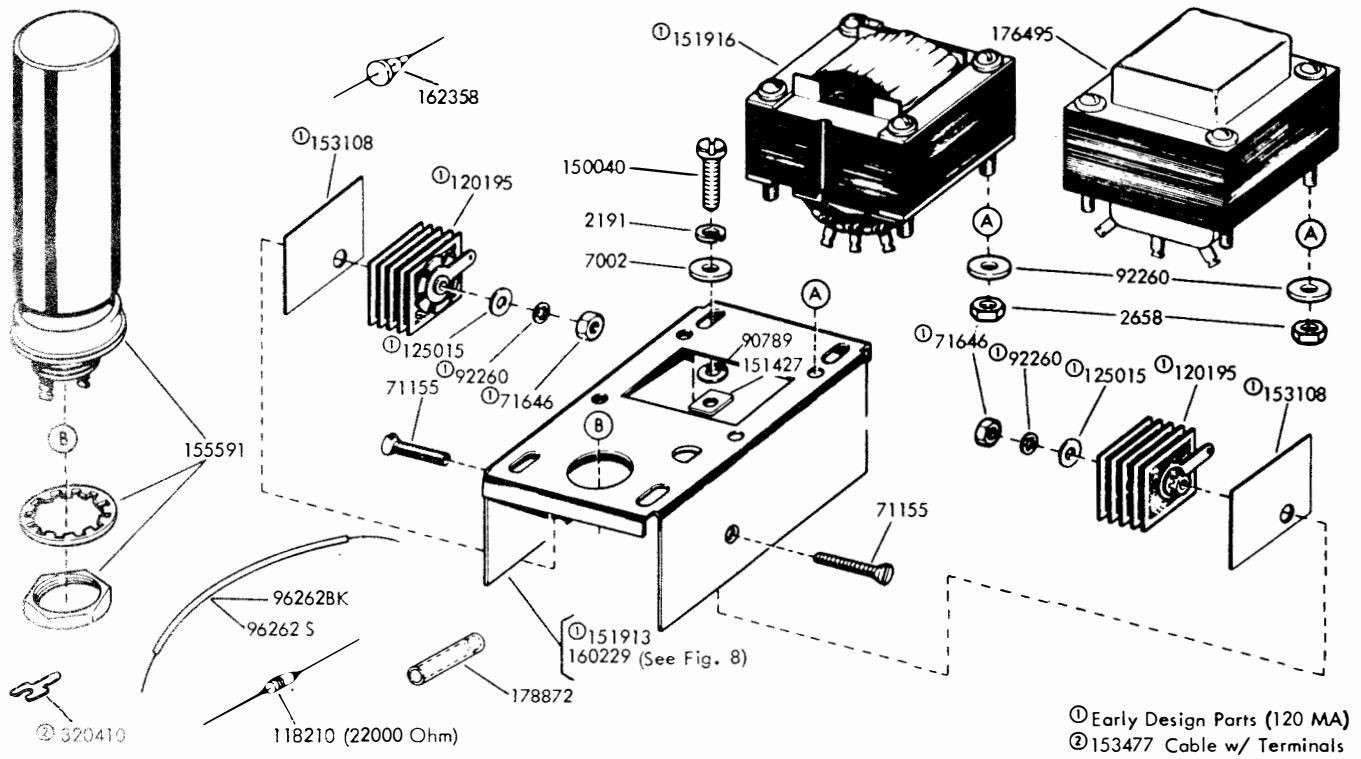


FIGURE 7. 152950 RECTIFIER AND CABLE ASSEMBLY (150 MA)

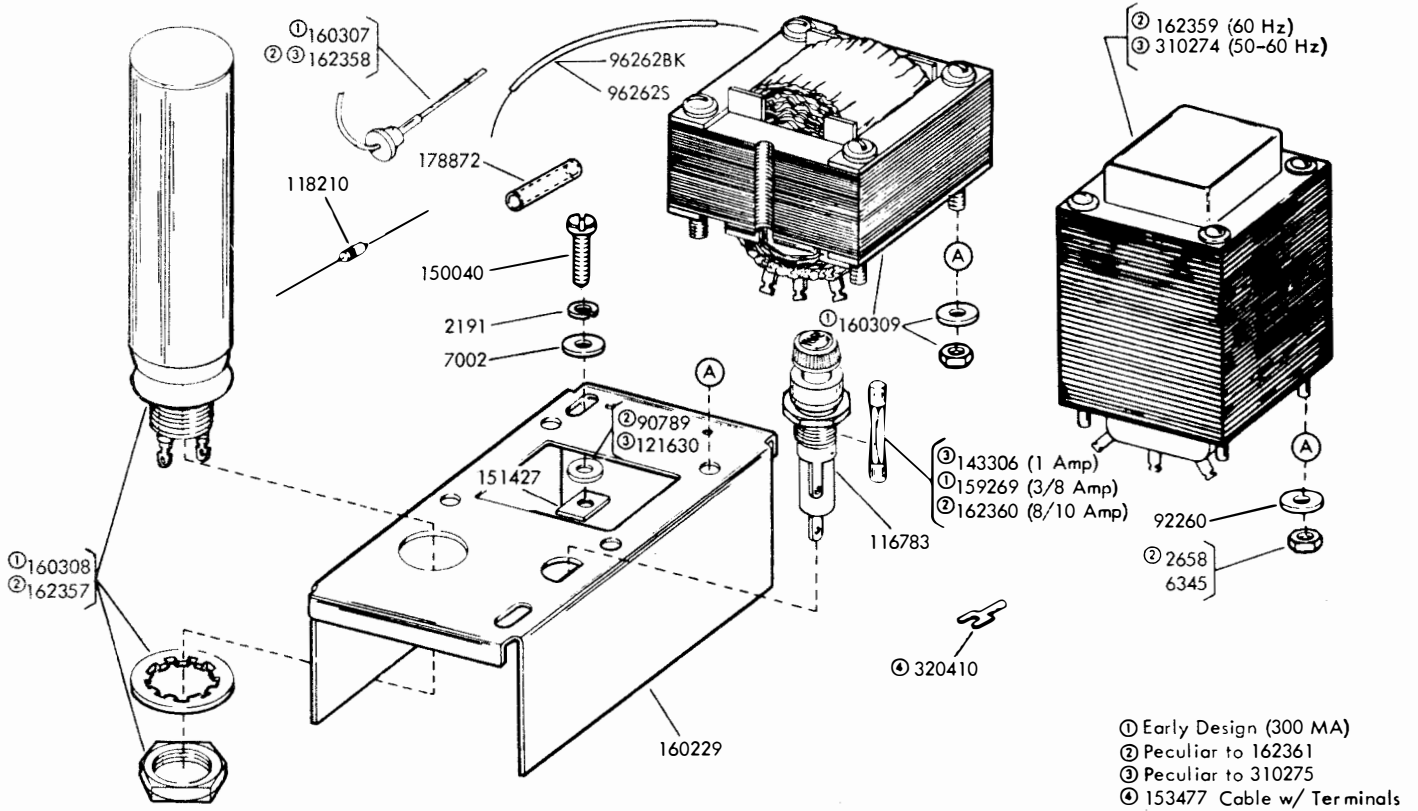
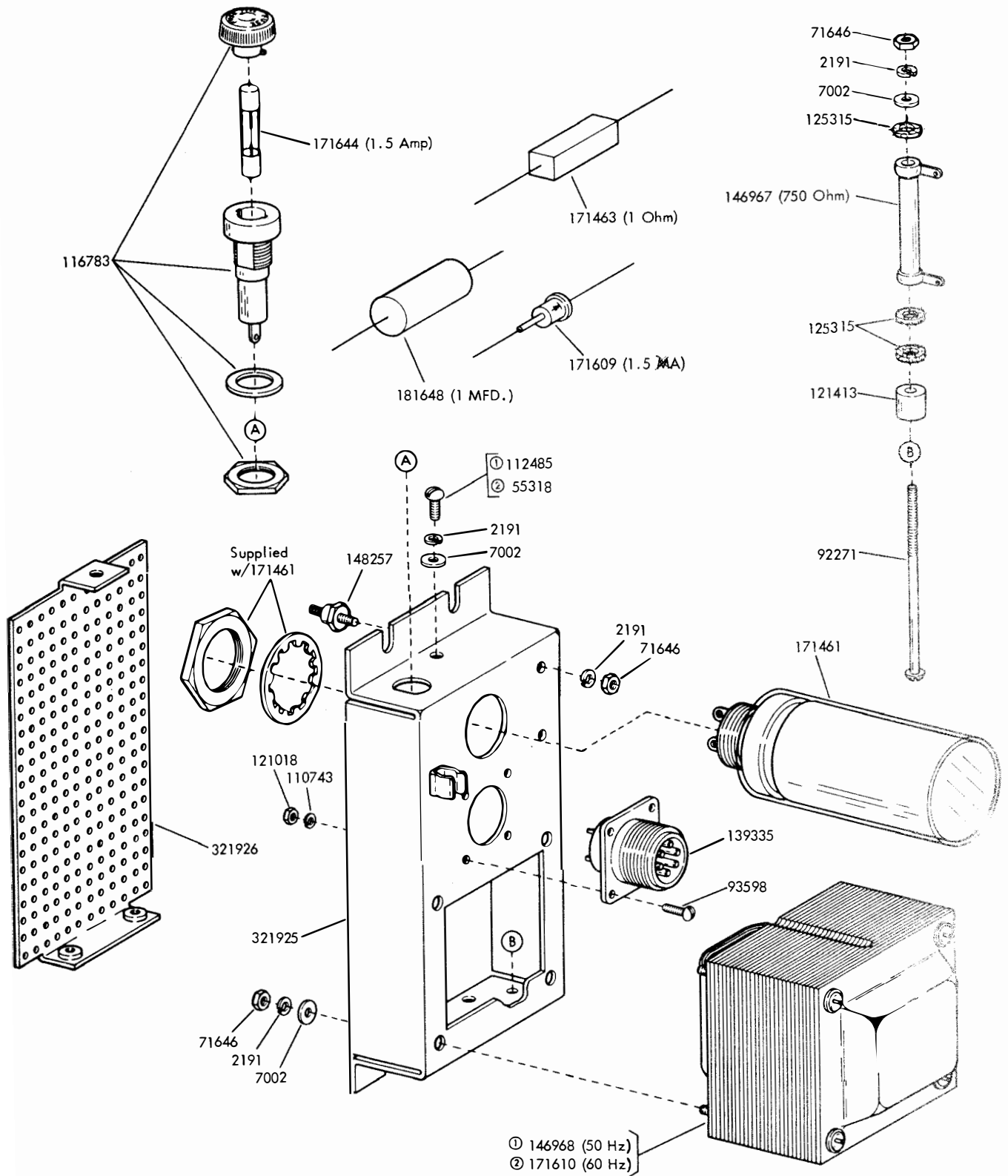


FIGURE 8. 162361 AND 310275 RECTIFIERS AND CABLE ASSEMBLIES (500 MA)



① Peculiar to 146901
 ② Peculiar to 170573

FIGURE 9. 146901 AND 170573 RECTIFIER ASSEMBLIES

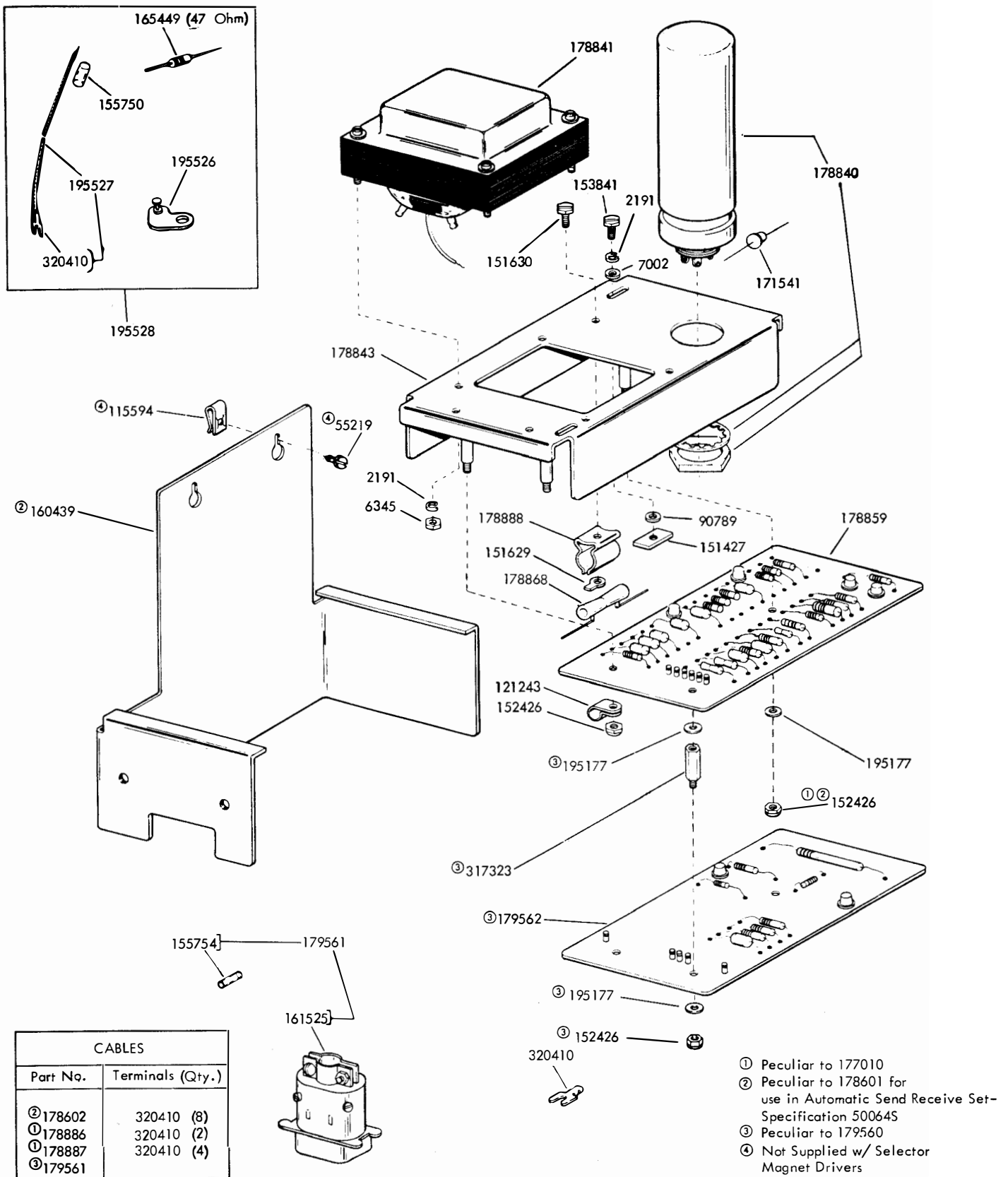


FIGURE 11. 177010 AND 178601 SELECTOR MAGNET DRIVER ASSEMBLIES
 179560 SELECTOR MAGNET DRIVER ASSEMBLY WITH OPEN
 LINE DETECTOR

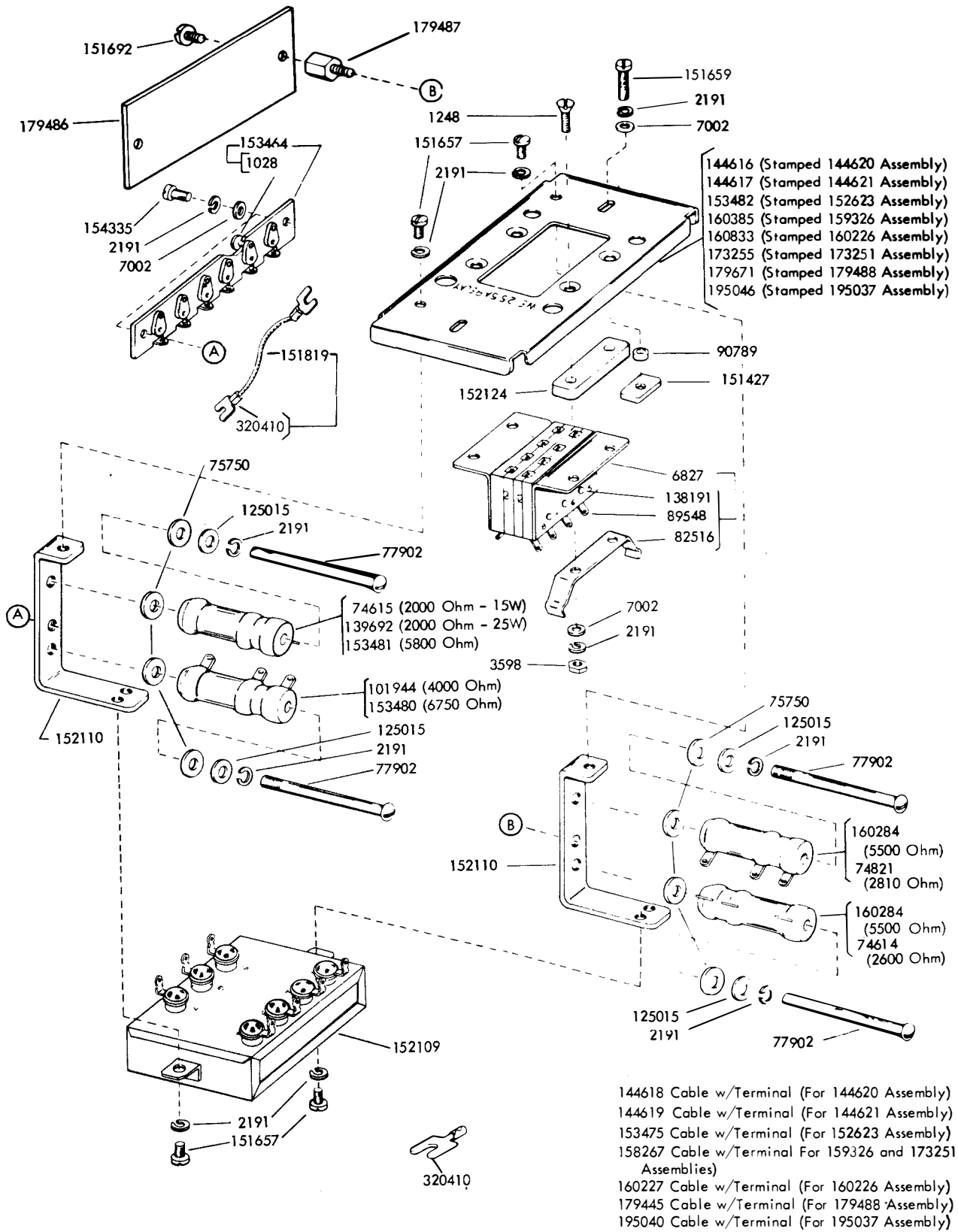


FIGURE 12. LINE RELAY MOUNTING

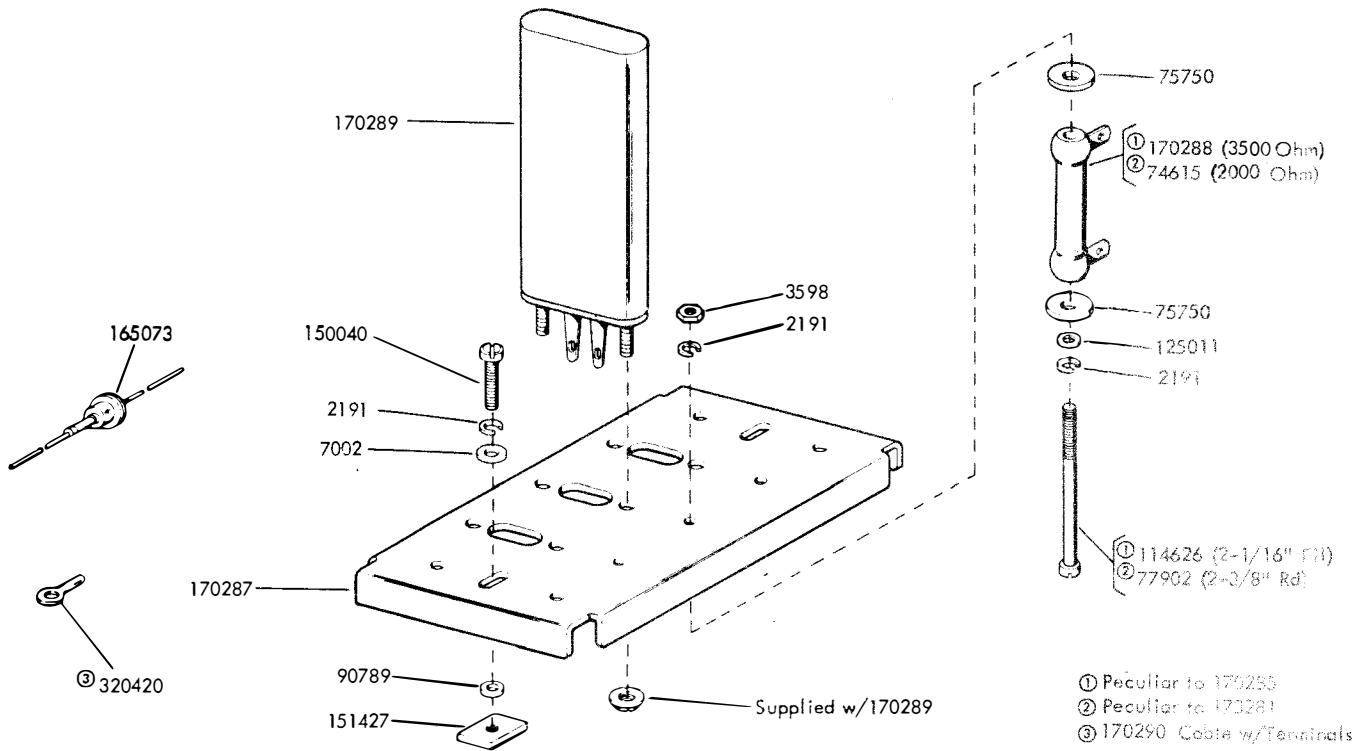


FIGURE 13. 170285 AND 173281 RESISTOR ASSEMBLIES

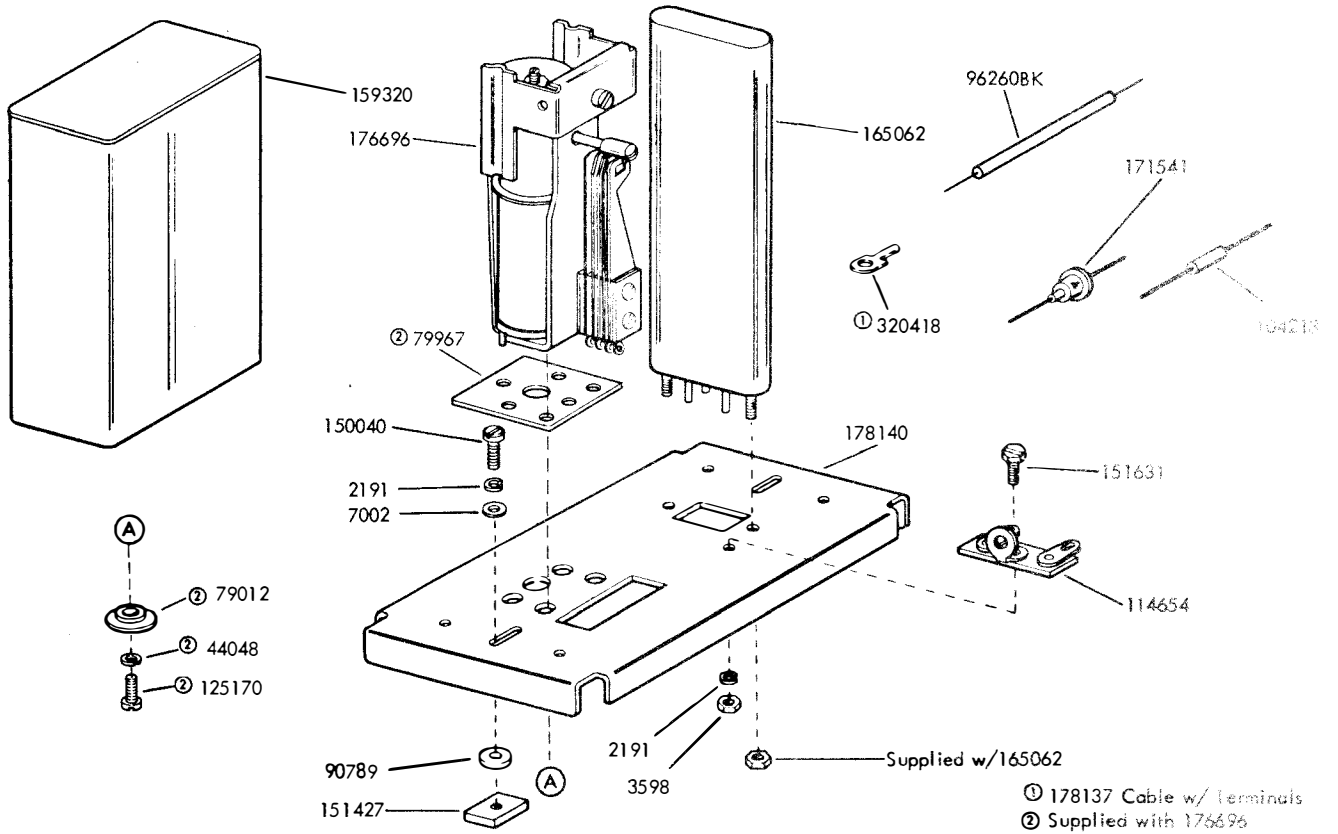


FIGURE 14. 178138 SLOW RELEASE RELAY ASSEMBLY (NON-CONTENTION)

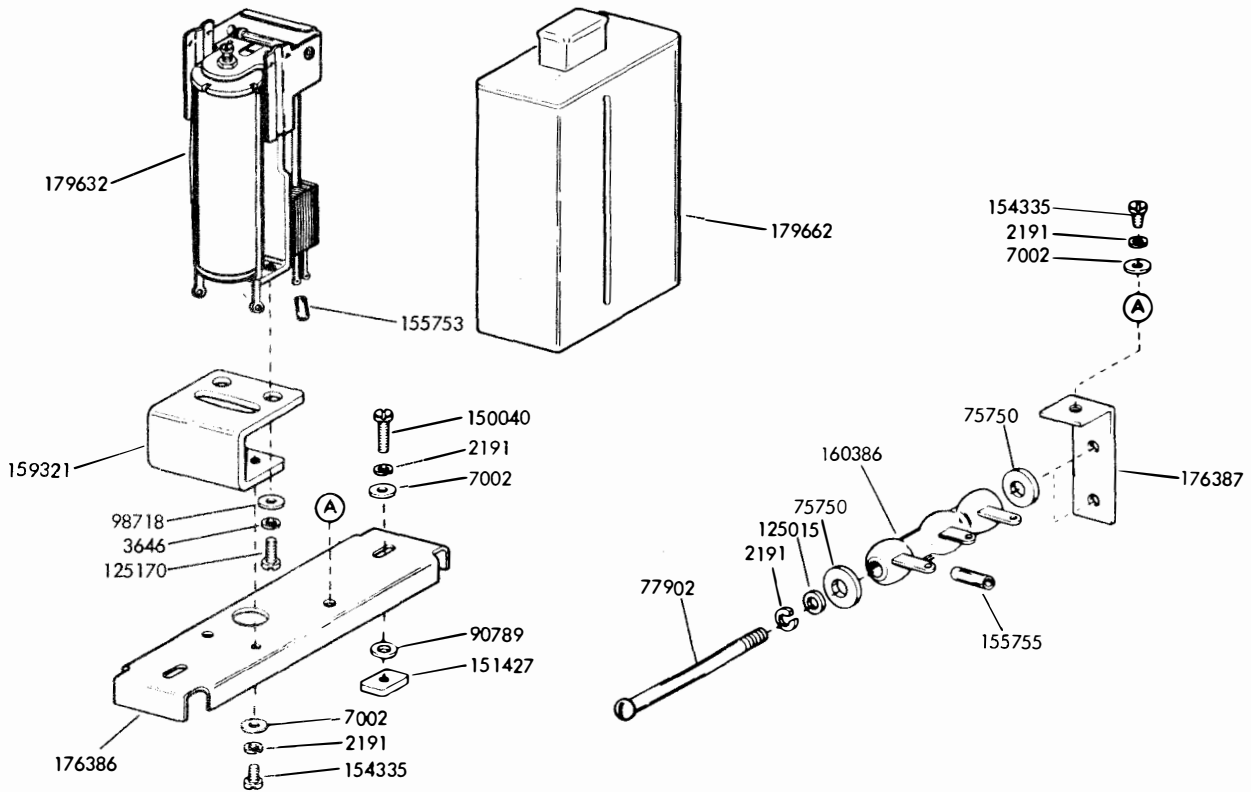


FIGURE 15. QUICK ACTING RELAY (10 MS) MECHANISM

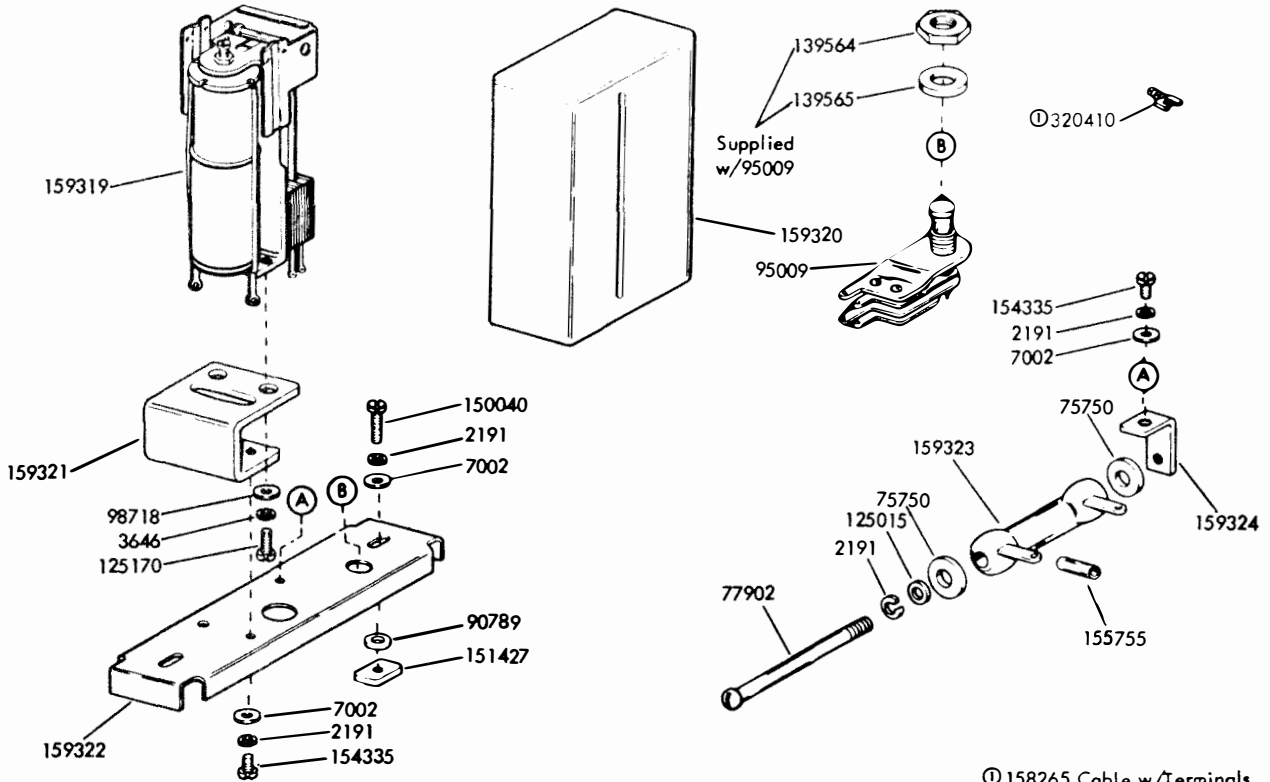


FIGURE 16. 159318 SLOW RELEASE RELAY ASSEMBLY

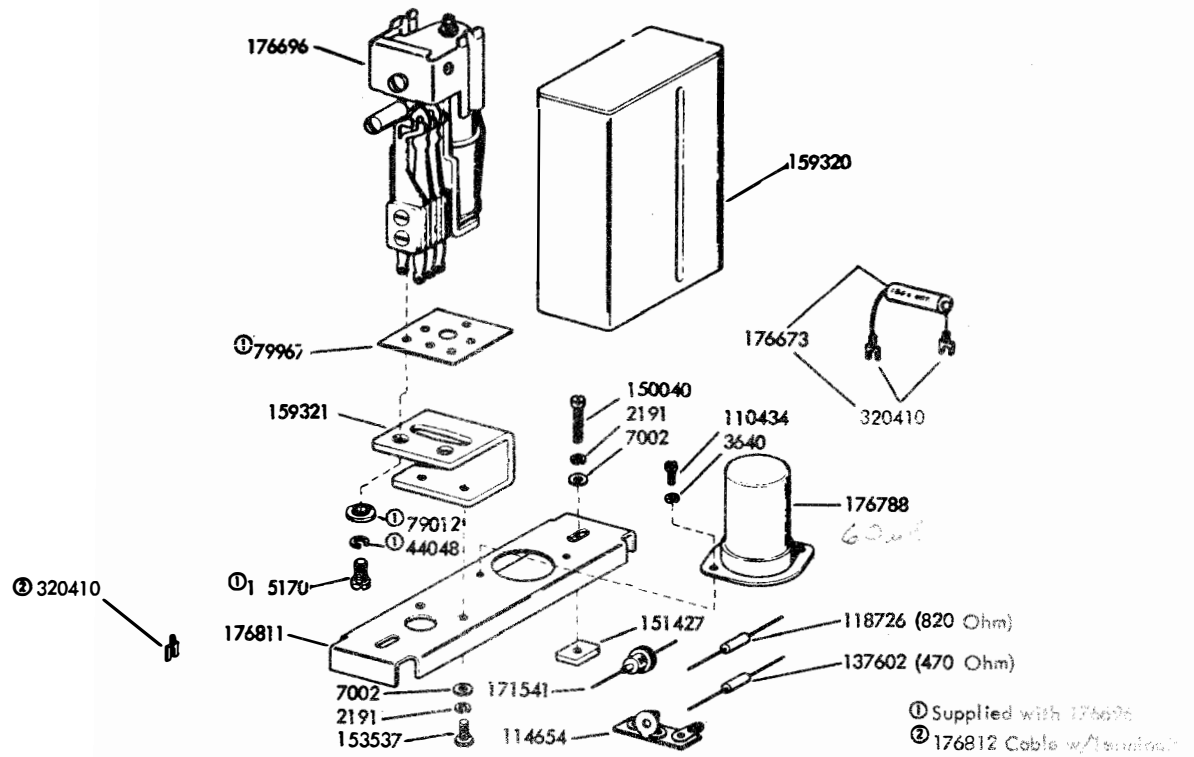


FIGURE 17. 176810 ANSWER-BACK CONTROL RELAY ASSEMBLY

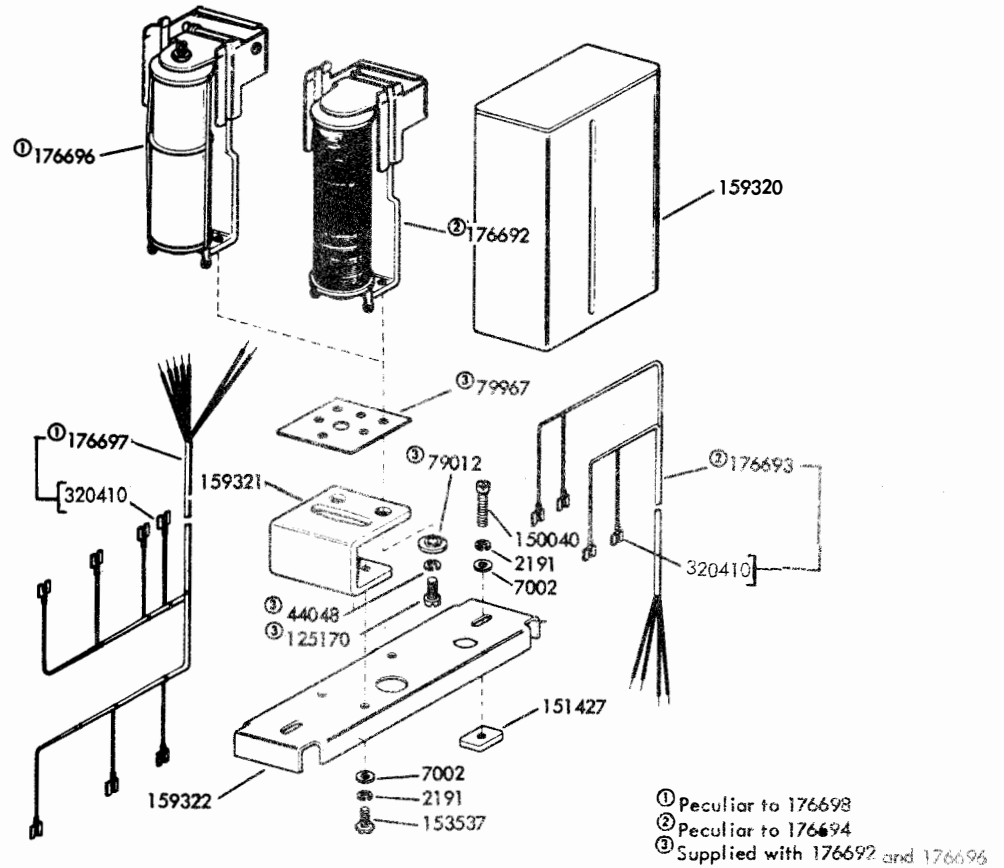


FIGURE 18. 176694 (MOTOR CONTROL) AND 176698 (SLOW RELEASE) RELAY ASSEMBLIES

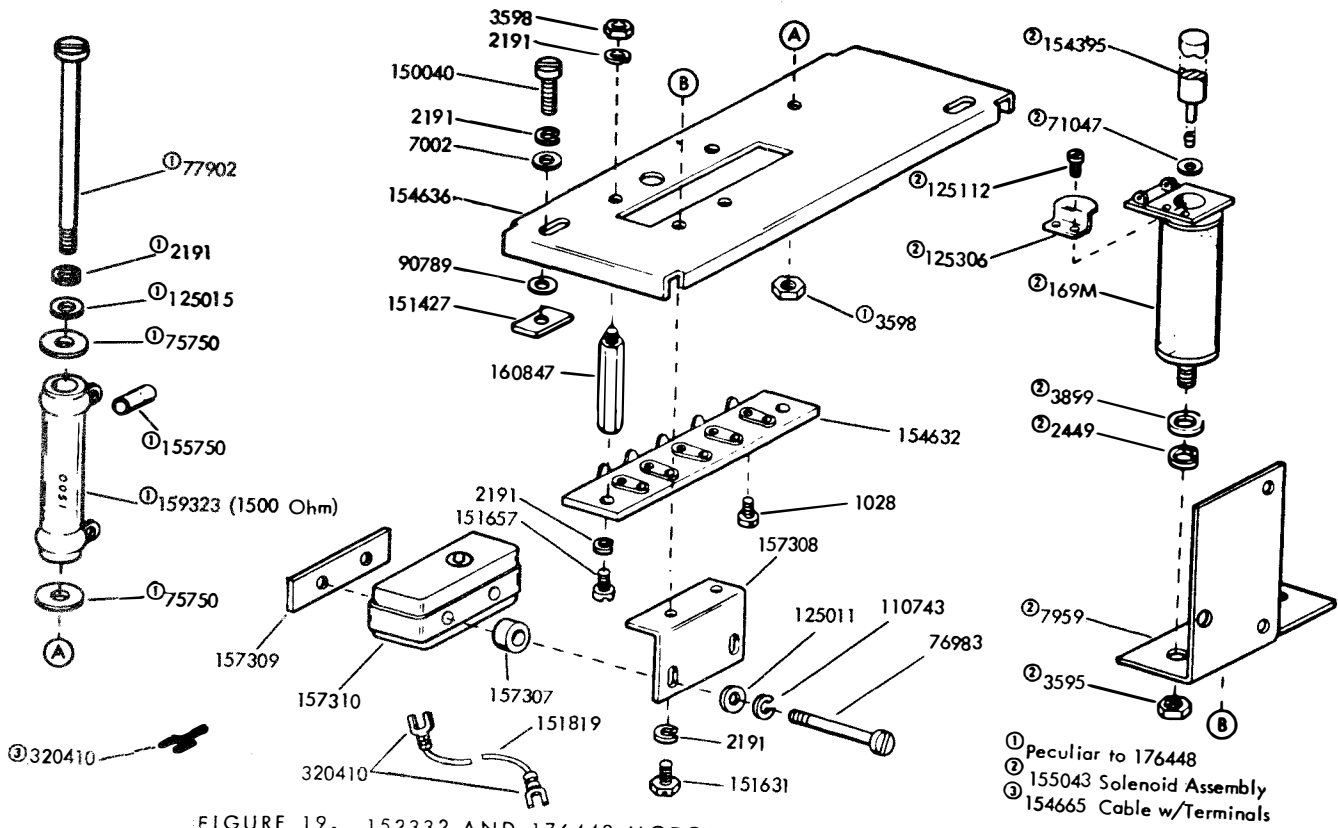


FIGURE 19. 152332 AND 176448 MOTOR CONTROL RELAY ASSEMBLIES

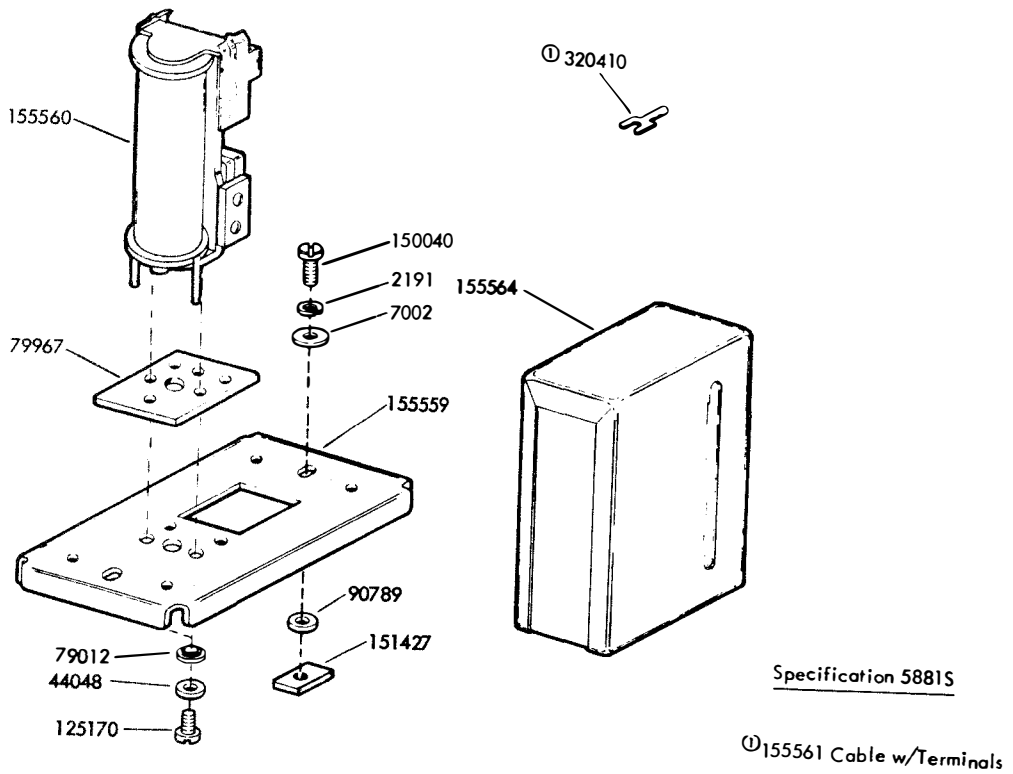


FIGURE 20. 15558 DC CONTROL RELAY ASSEMBLY

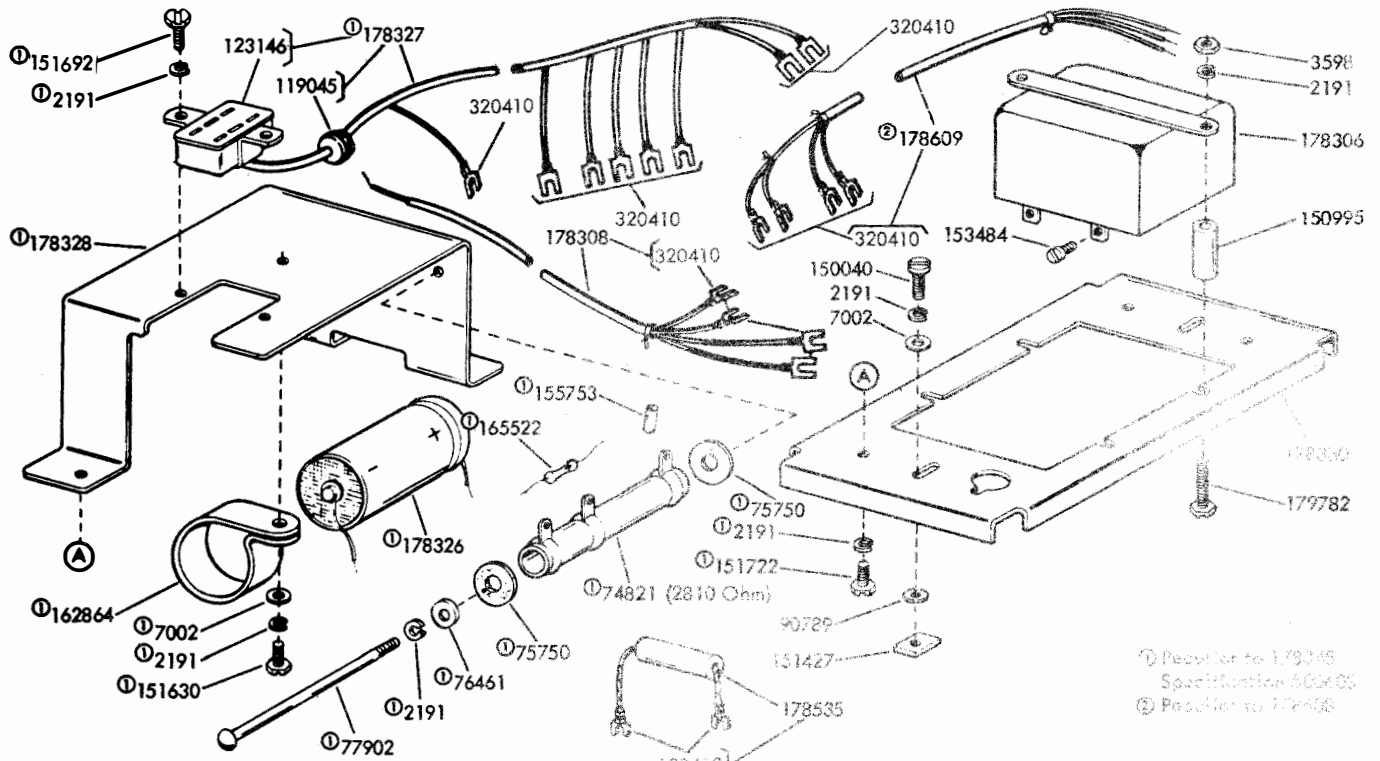


FIGURE 21. 178345 MODIFICATION KIT AND 178608 RELAY ASSEMBLY TO PROVIDE MOTOR CONTROL AND ANSWER BACK RELAYS

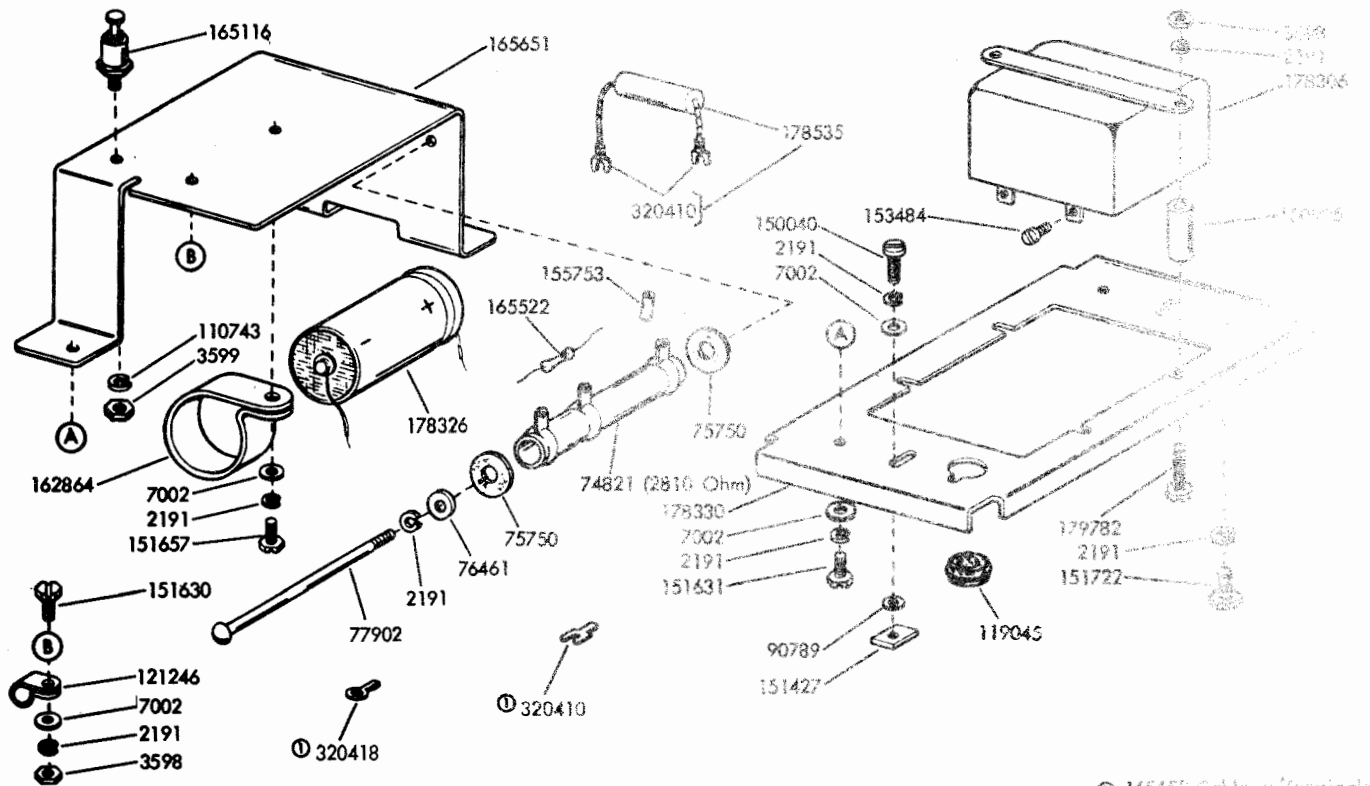


FIGURE 22. 165650 MOTOR CONTROL AND ANSWER-BACK RELAY ASSEMBLY

ⓐ 165522 Cable w/terminals

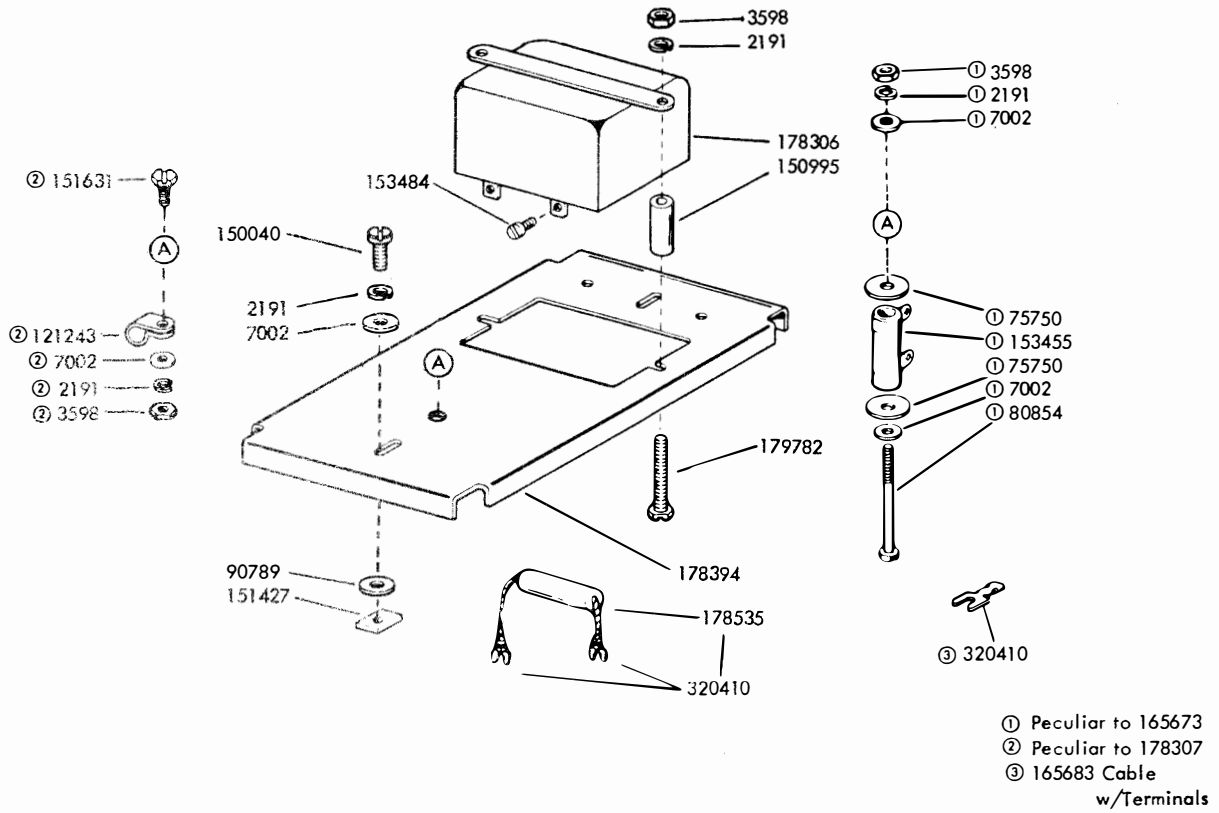


FIGURE 23. 165673 AND 178307 MOTOR CONTROL RELAY ASSEMBLIES

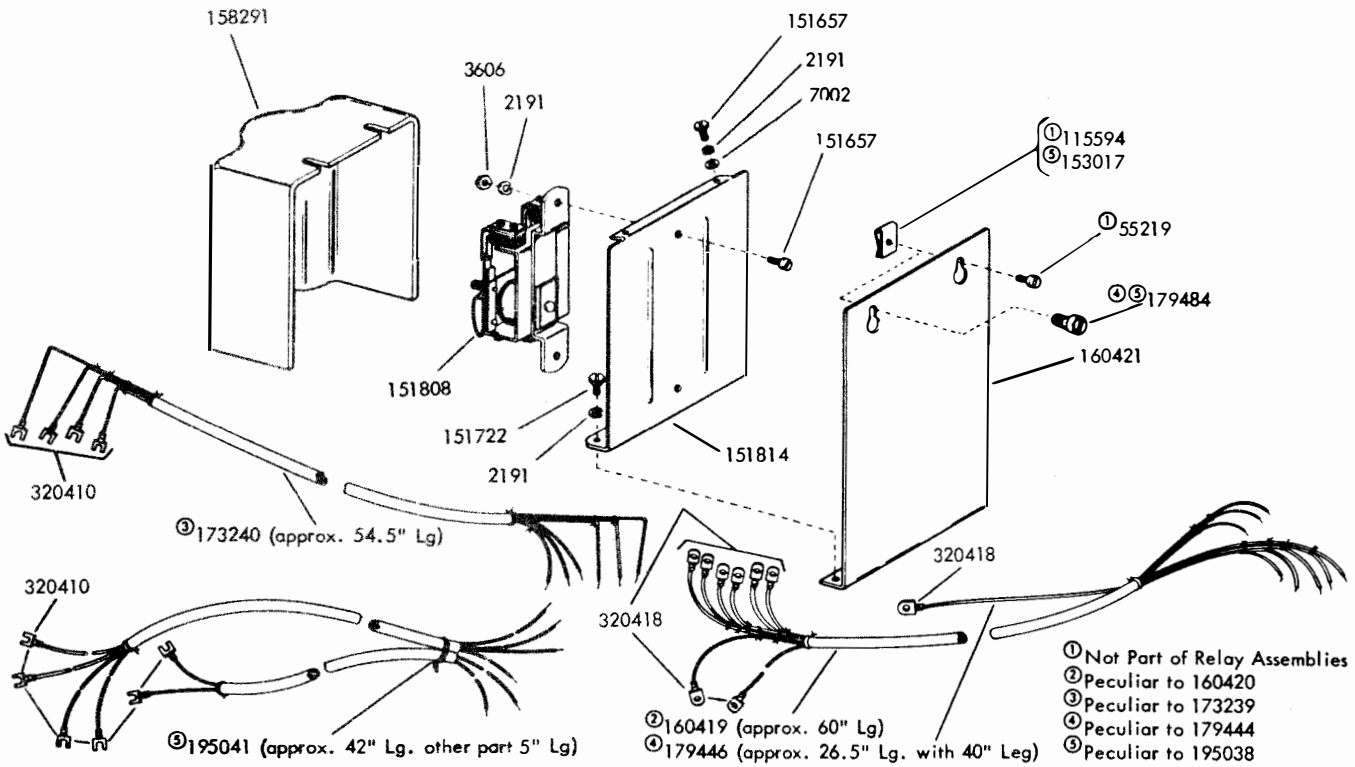


FIGURE 24. 160420 AND 195038 AUXILIARY LINE SHUNT RELAY ASSEMBLIES
179444 AND 173239 AUXILIARY READER CONTROL RELAY ASSEMBLIES

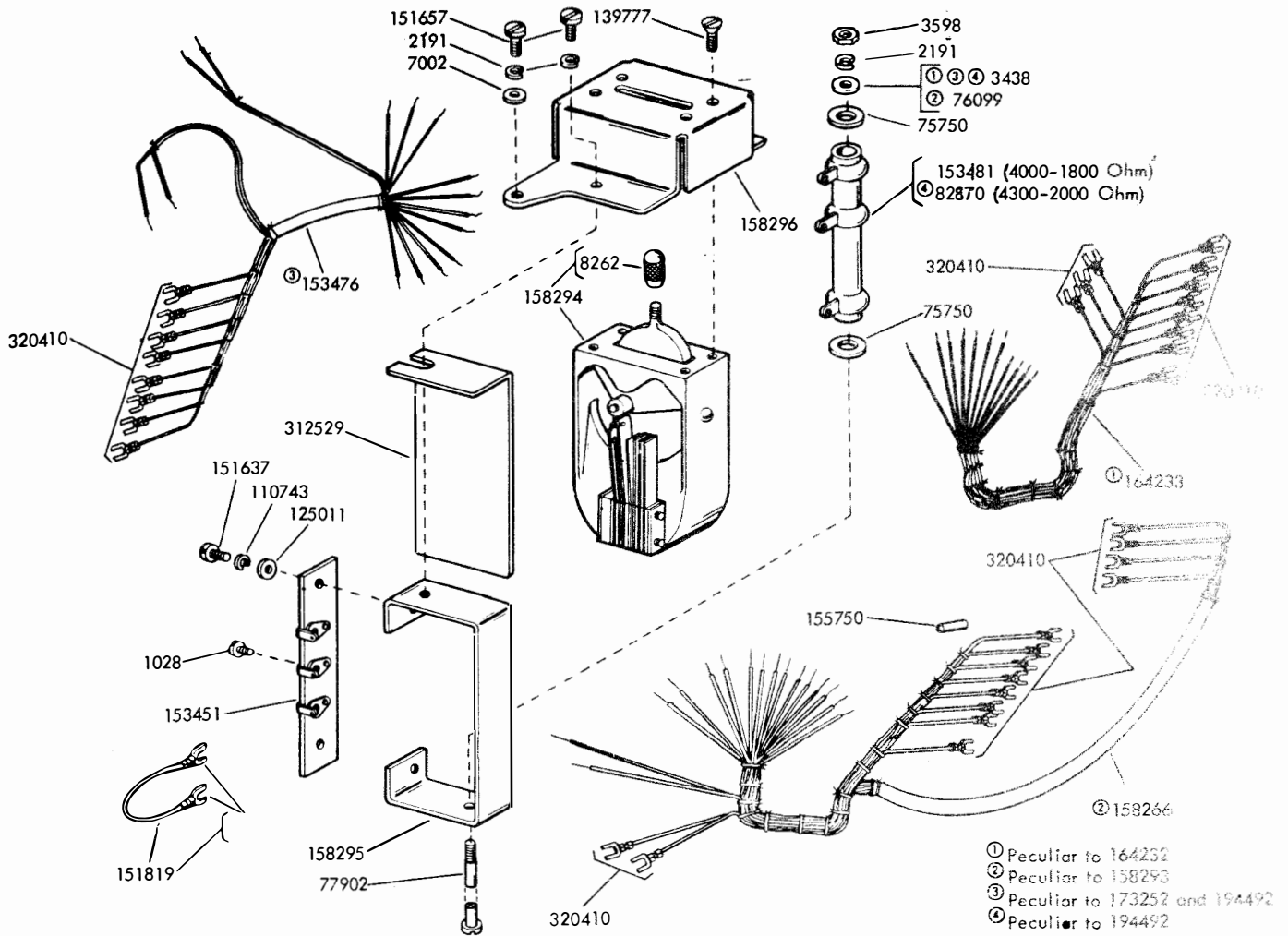


FIGURE 25. 158293, 164232, 173252 AND 194492 LINE TEST KEY ASSEMBLIES

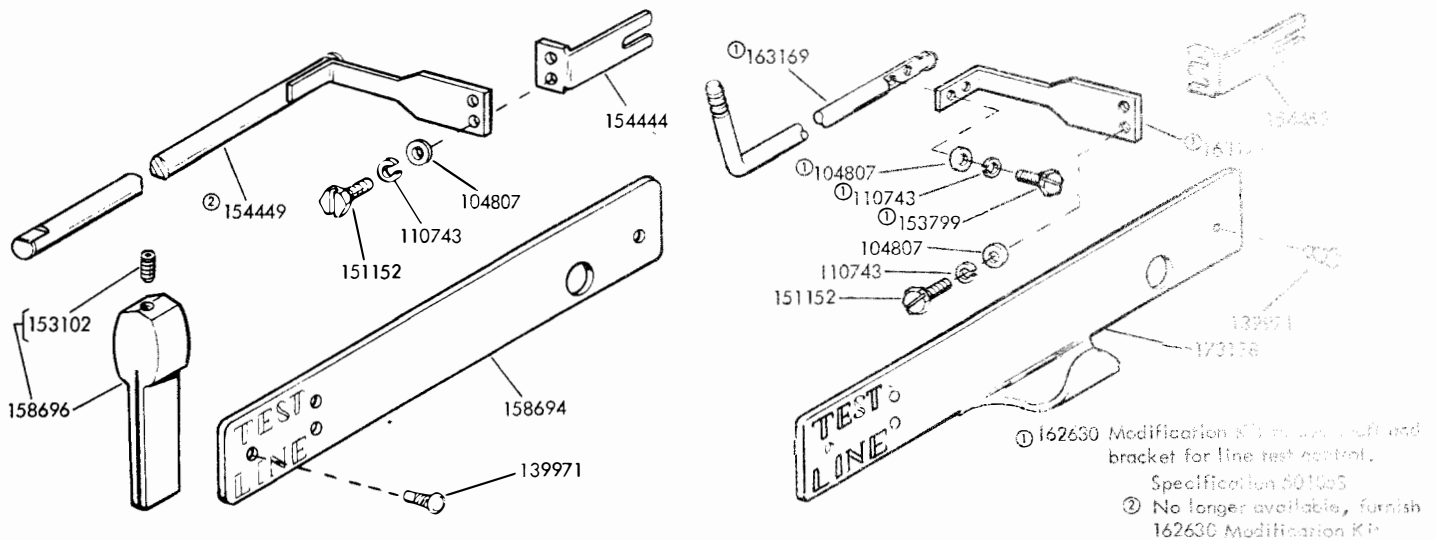


FIGURE 26. LINE TEST KEY CONTROL

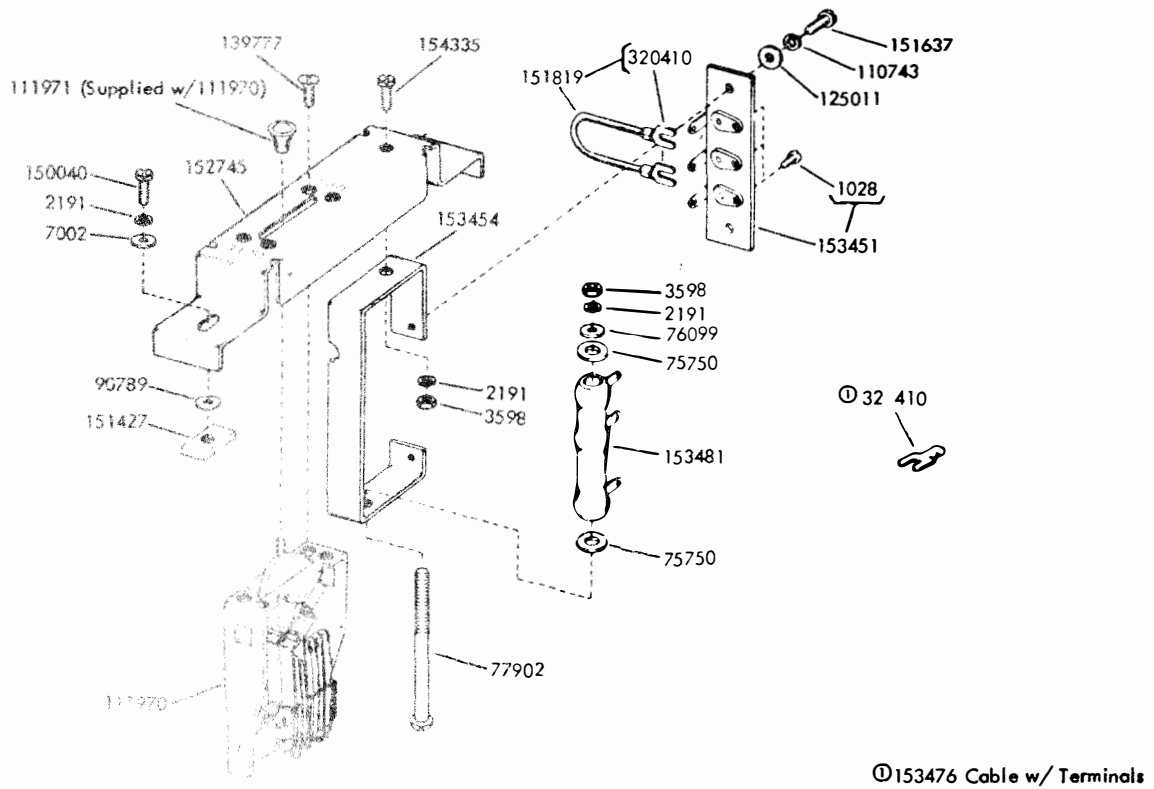


FIGURE 27. 152625 LINE TEST KEY ASSEMBLY

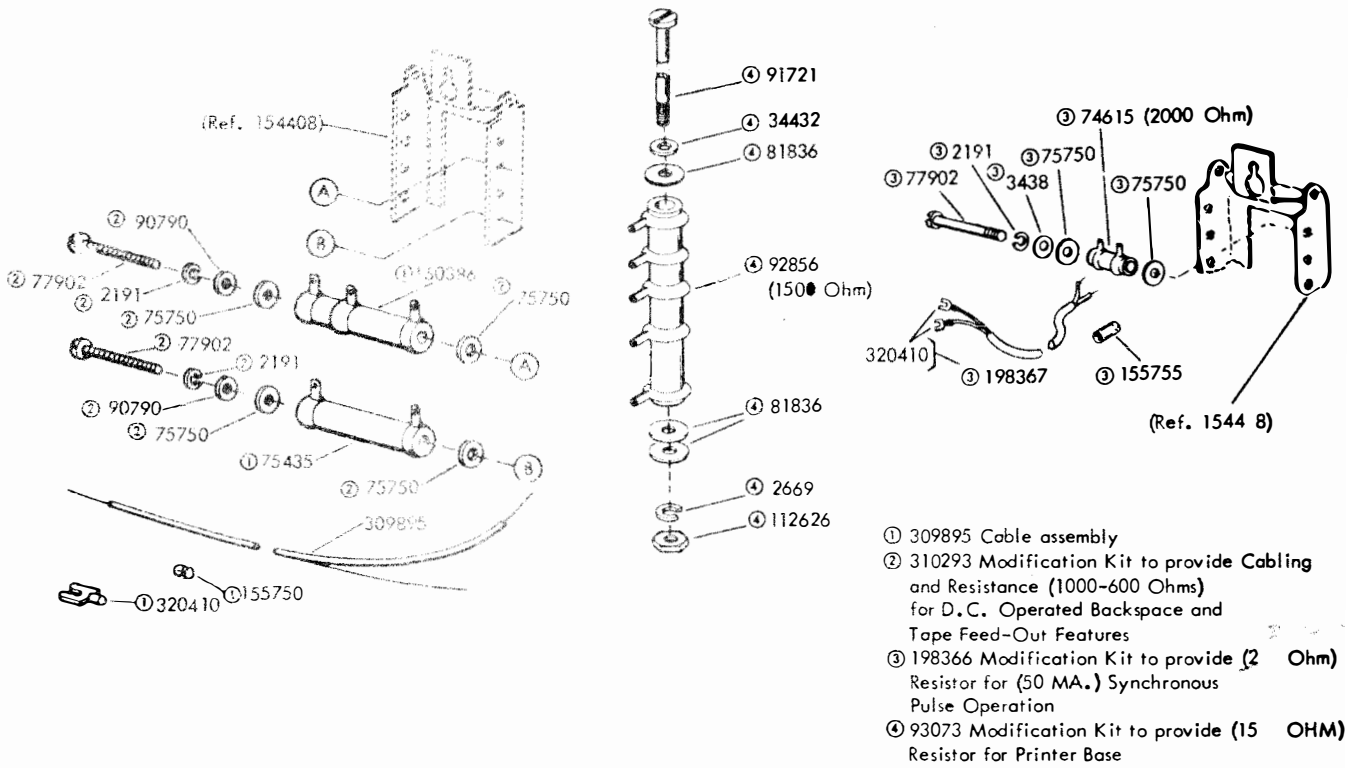


FIGURE 28. RESISTOR MODIFICATION KITS

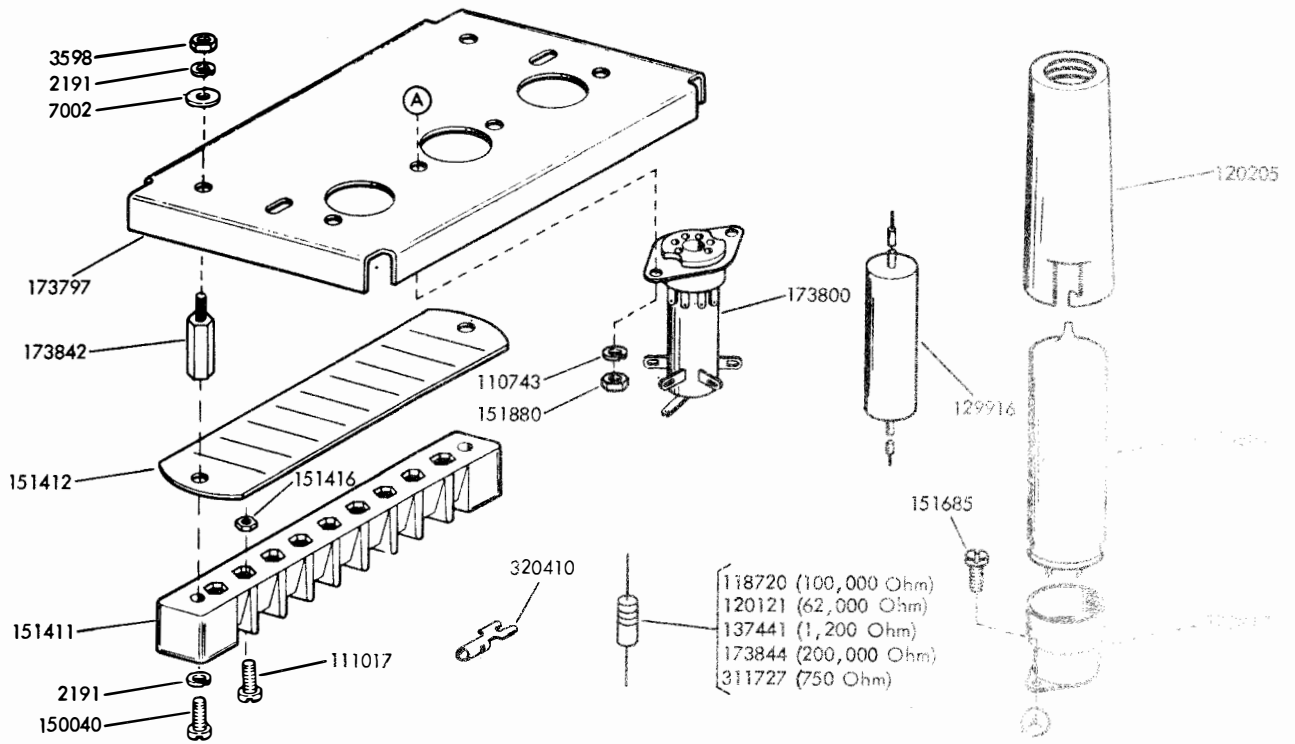


FIGURE 29. 173452 ELECTRONIC KEYSER ASSEMBLY

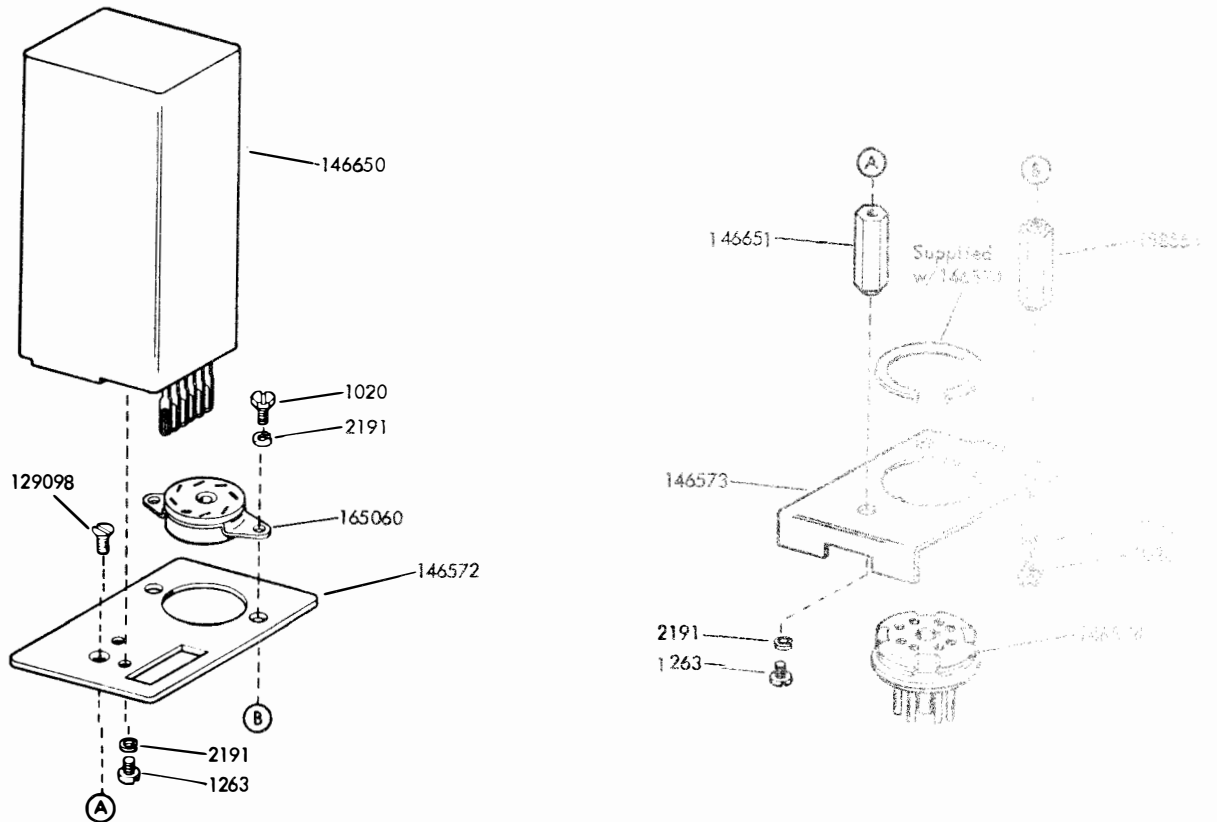
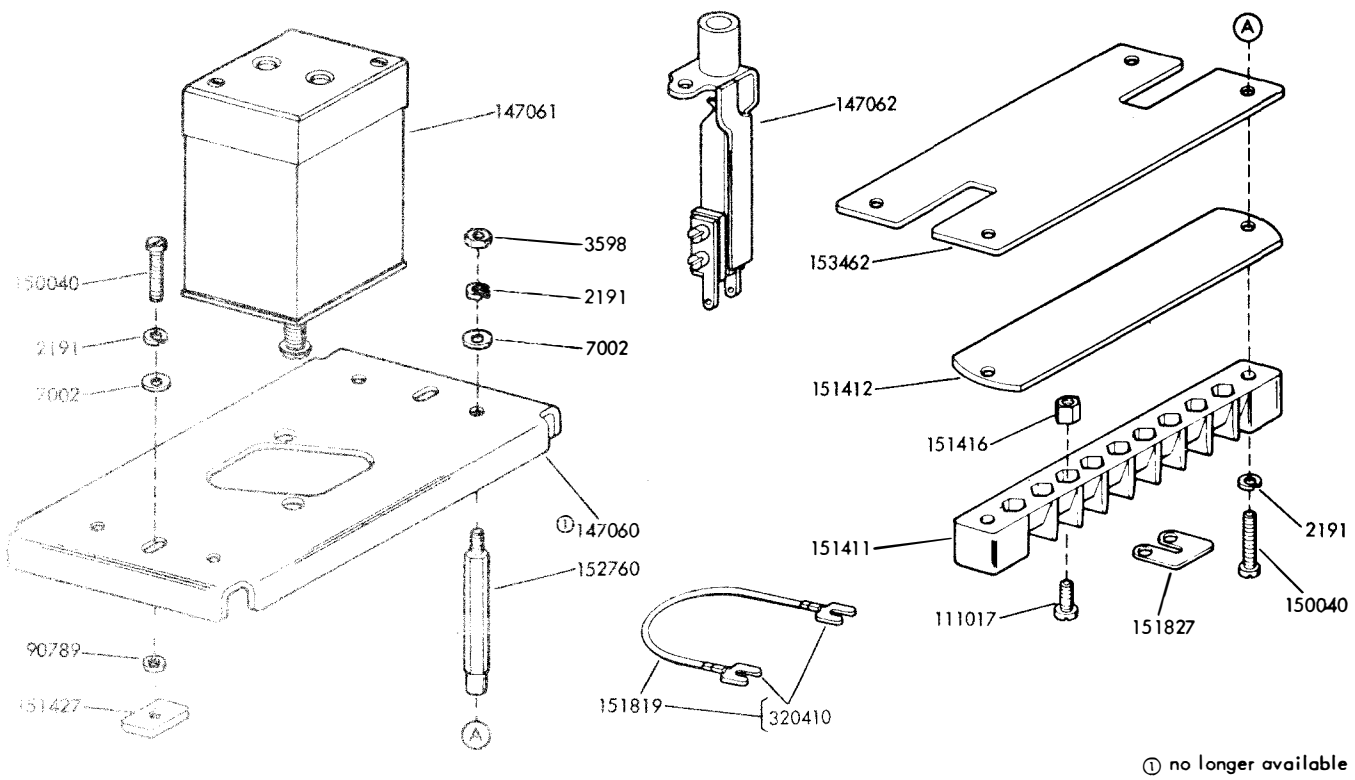


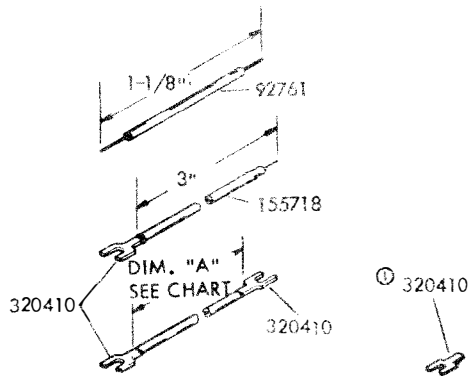
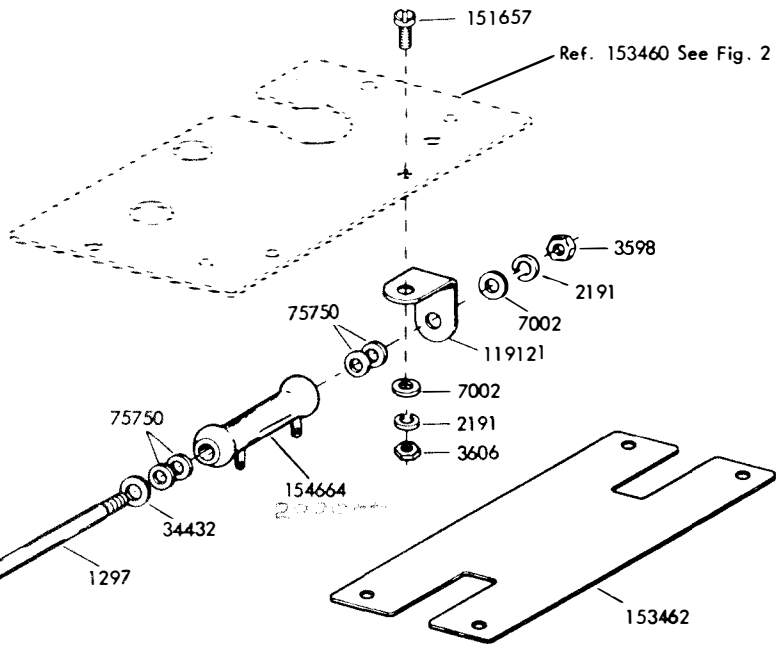
FIGURE 30. 146652 MODIFICATION KIT TO ADD WAVE SHAPING INDUCTOR



ⓐ no longer available

FIGURE 31. LINE JACK ASSEMBLY

PART NUMBER	"A" DIMENSION	PARTS REQUIRED
151819	3"	320410 (2)
157231	8"	320410 (2)
157232	9 1/4"	320410 (2)



Specification 57765

ⓐ 154870 Cable w/Terminals

FIGURE 32. 154747 MODIFICATION KIT TO ADD CONTINUOUS SPACING

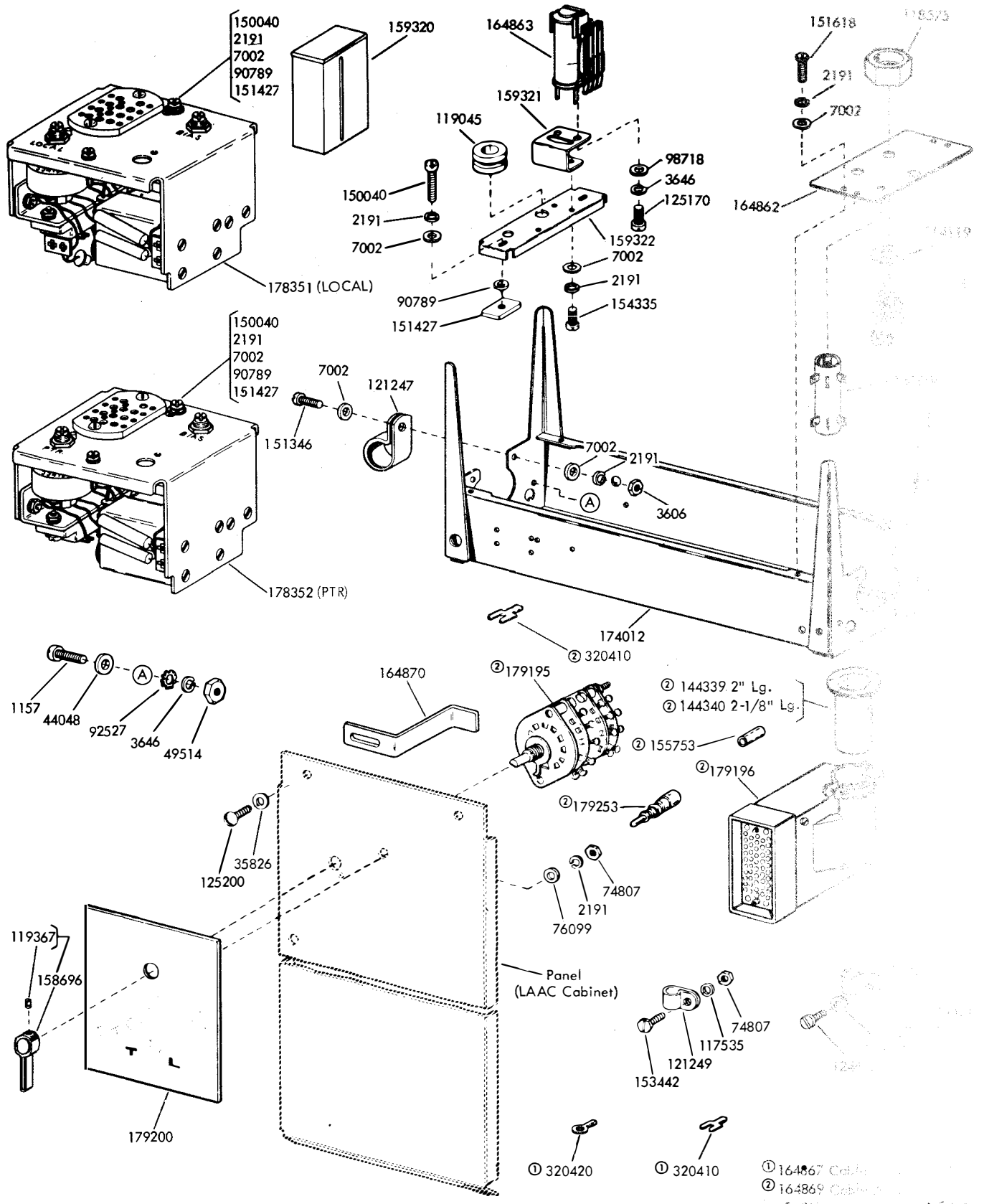
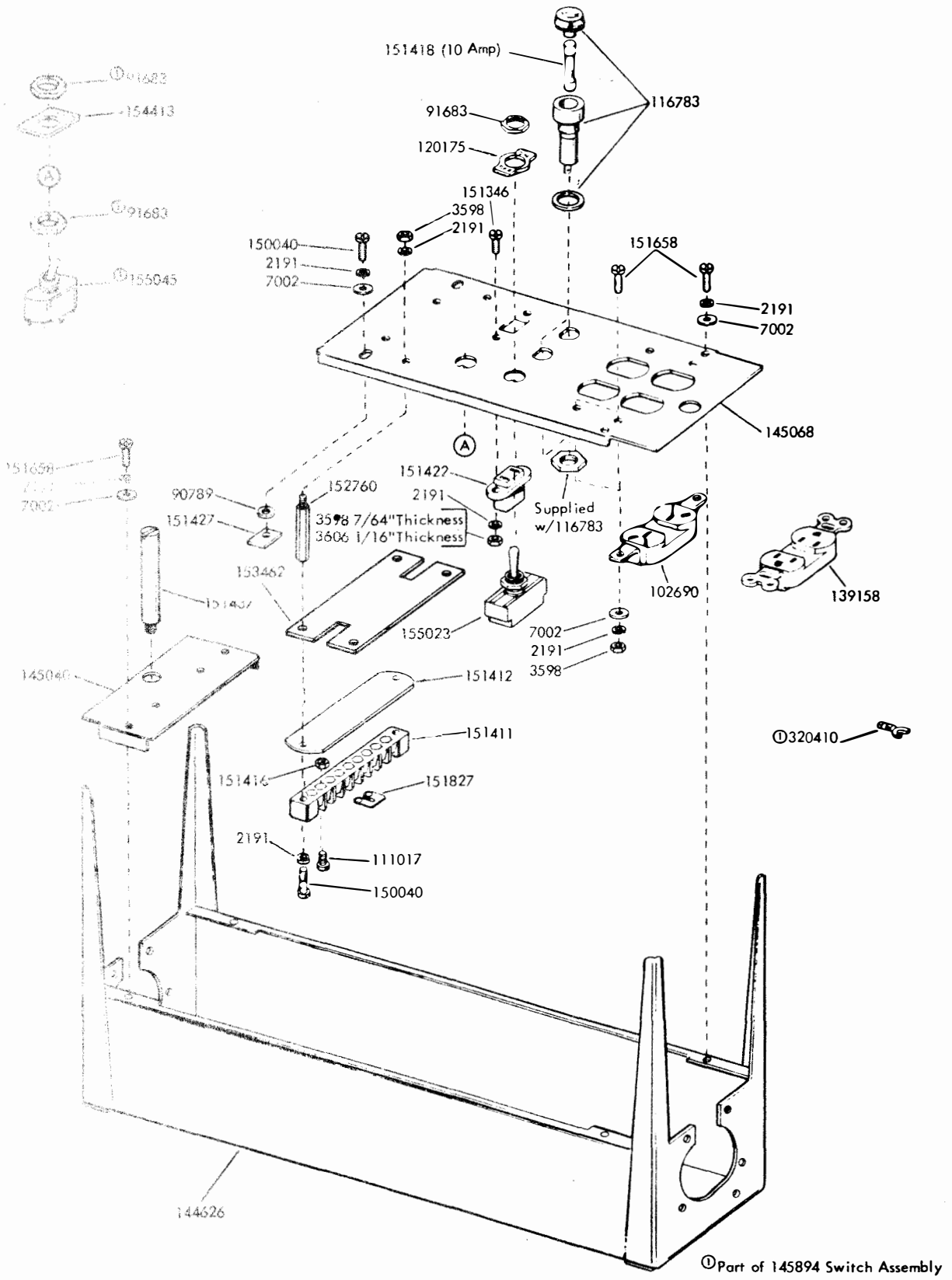


FIGURE 33. 164868 MODIFICATION KIT TO PROVIDE A CABINET WITH AN AUXILIARY ELECTRICAL SERVICE UNIT



ⓐ Part of 145894 Switch Assembly

FIGURE 34. AUXILIARY ELECTRICAL SERVICE UNIT

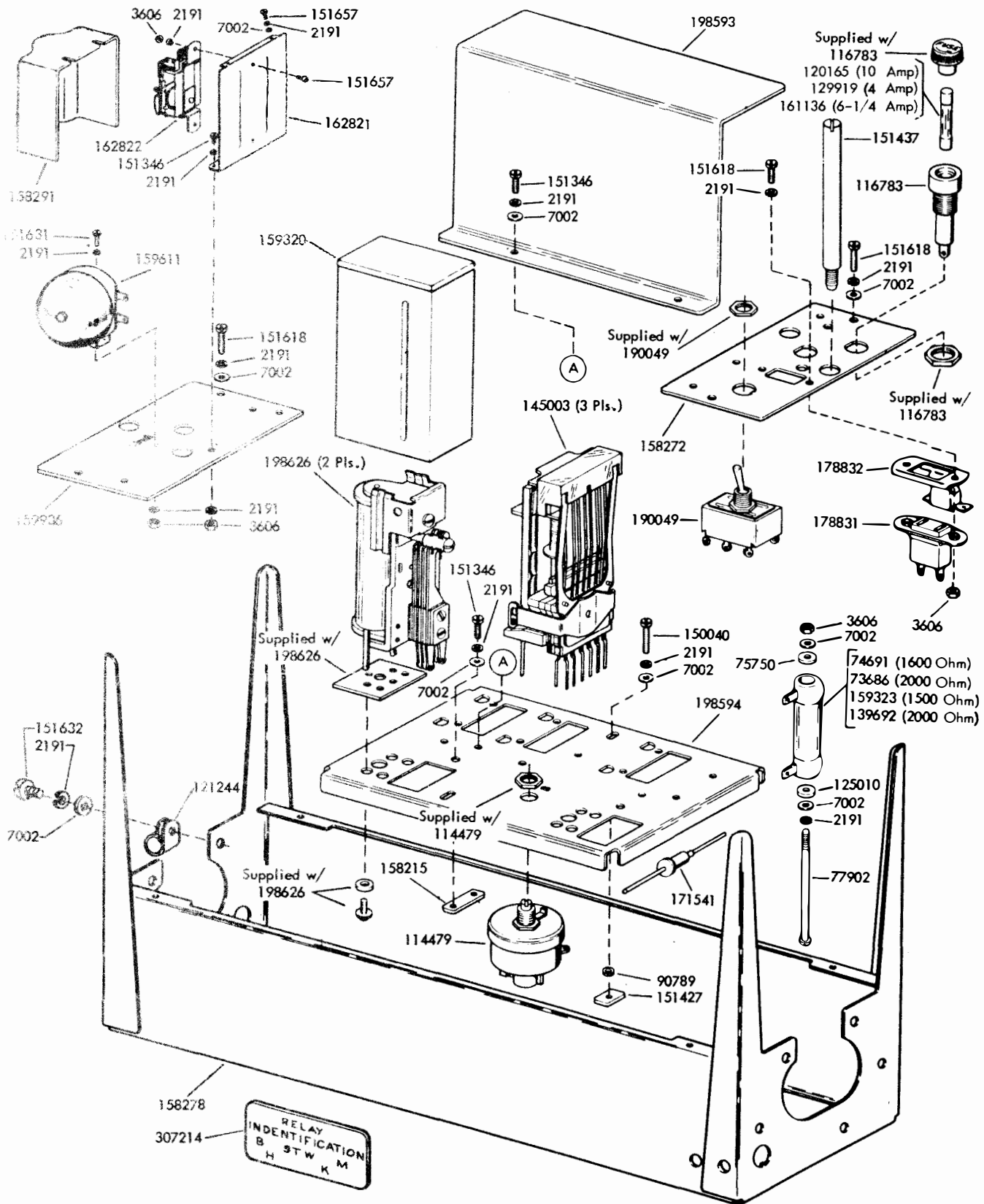


FIGURE 36. COMPONENTS TO PROVIDE LINE RELAYS AND SELECTOR BATTERY

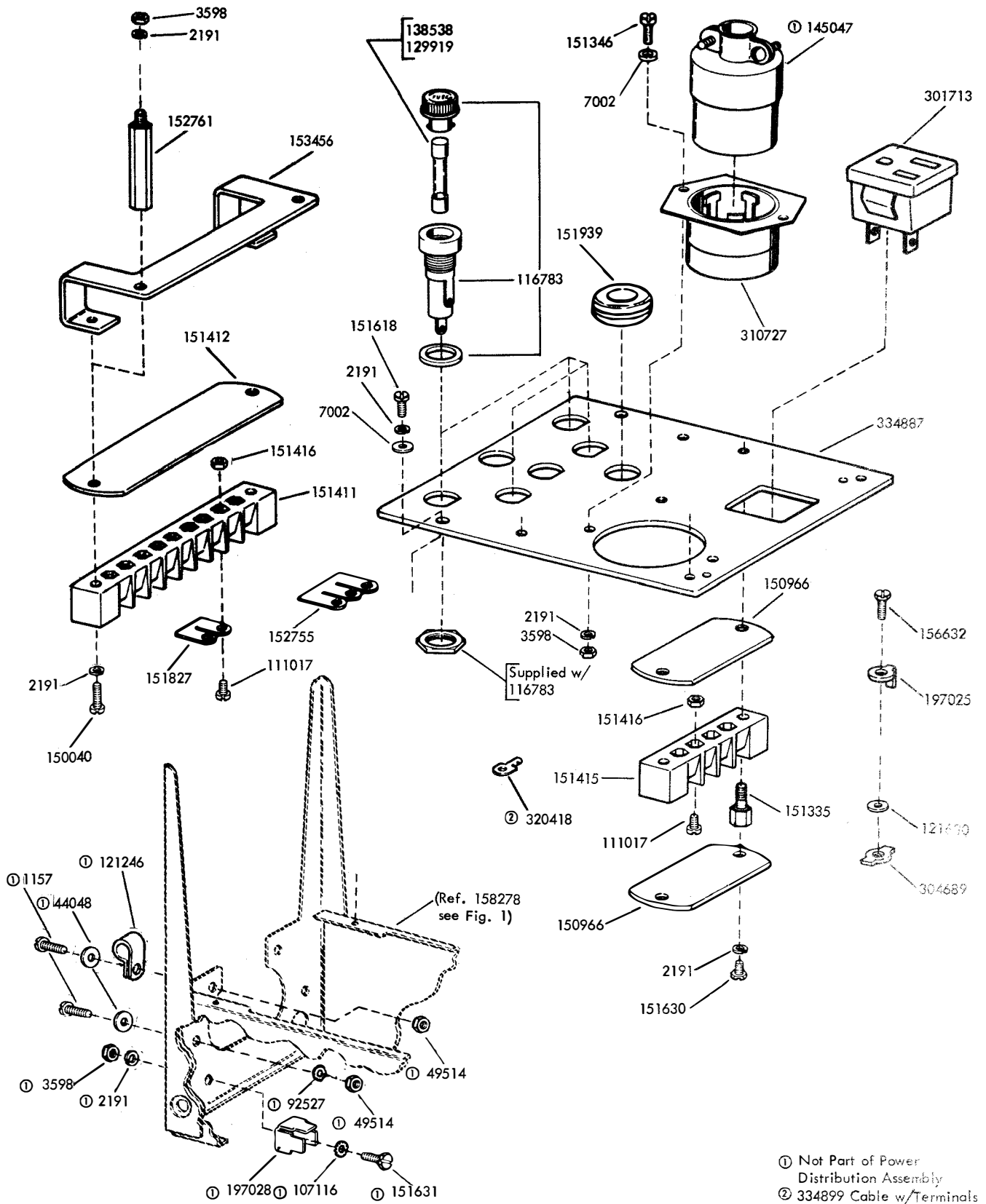
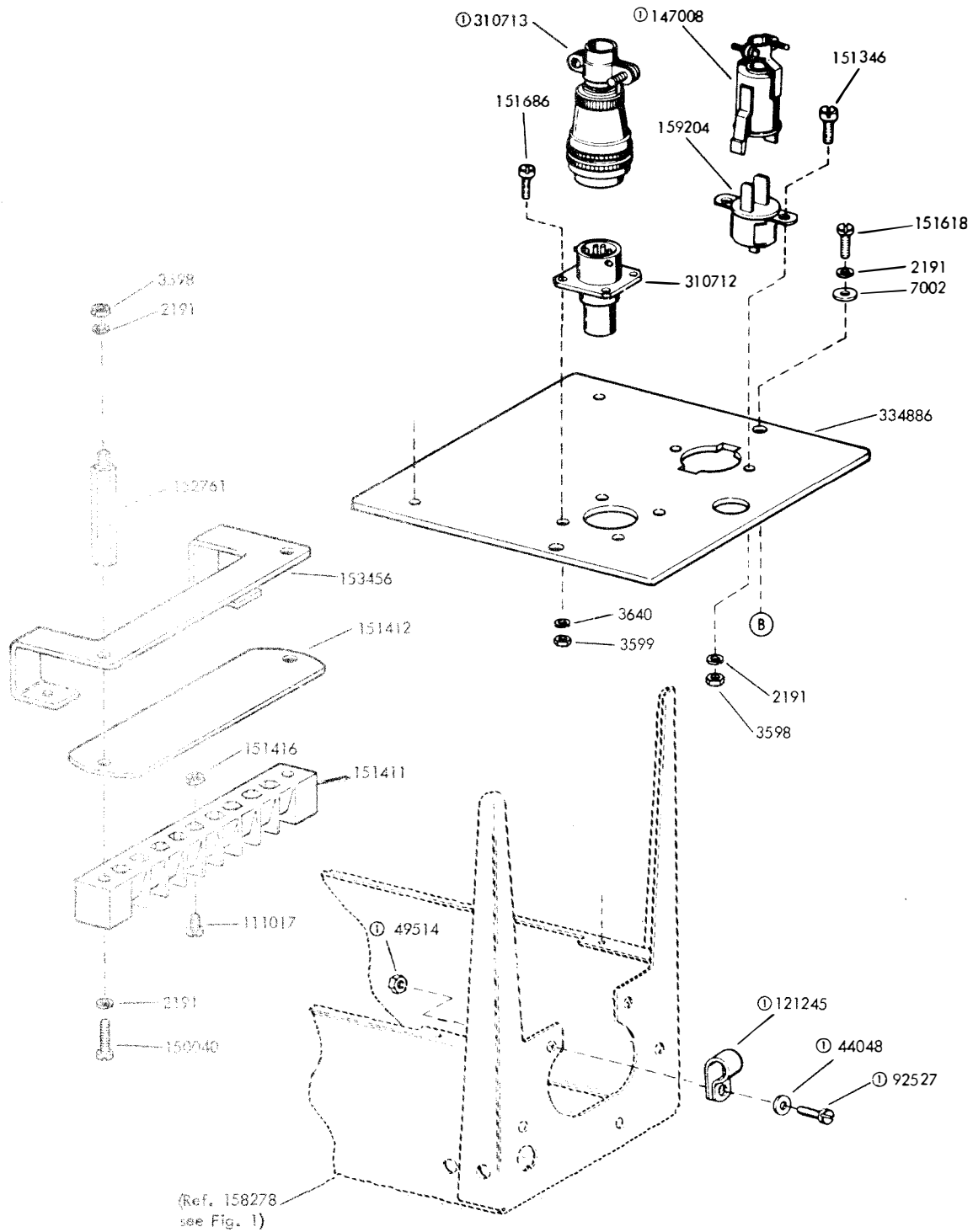
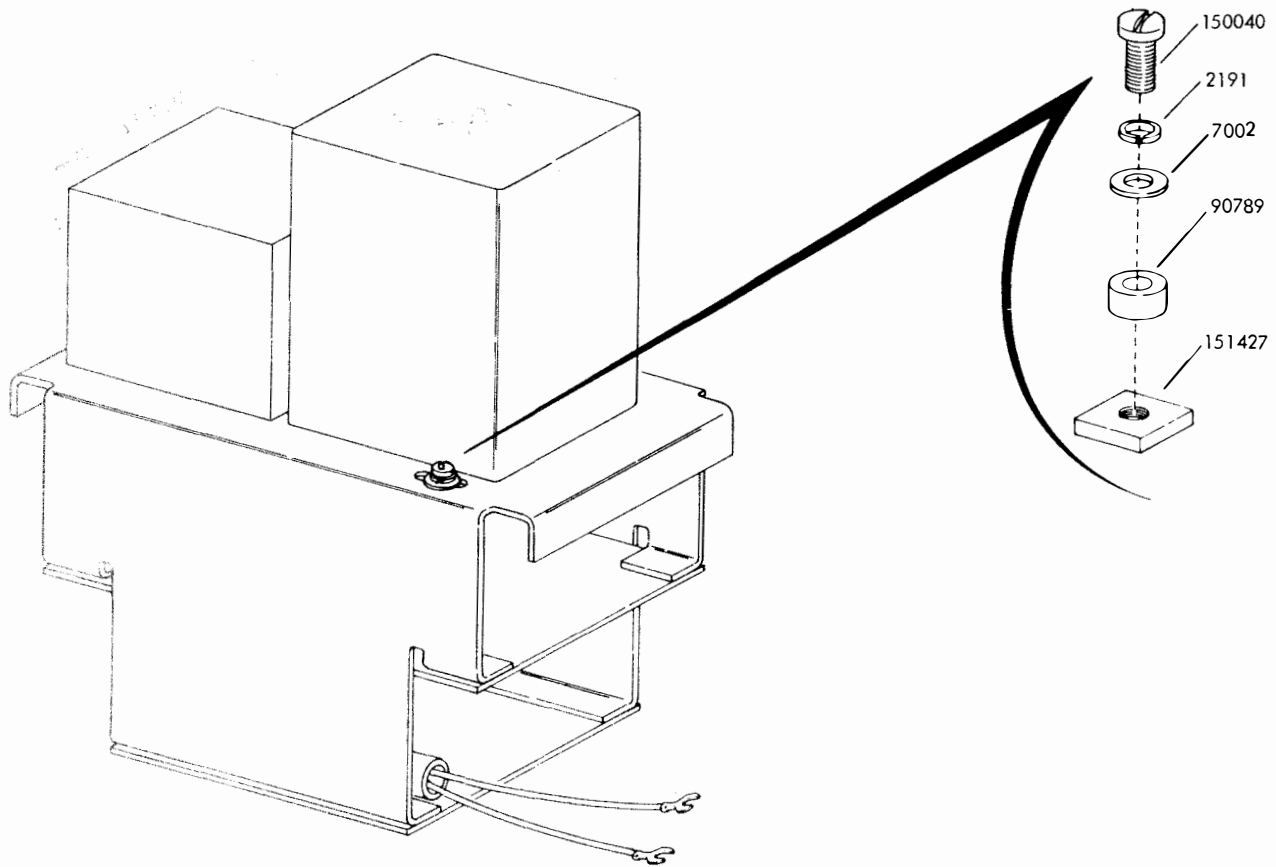


FIGURE 37. 336176 POWER DISTRIBUTION ASSEMBLY



Ⓢ Not Part of 336177 Plate Assembly

FIGURE 38. 336177 PLATE ASSEMBLY



A C INPUT DATA	117 Volts 60 Hertz 0.23 Amps
D C OUTPUT DATA	199 Volts 0.122 Amps

FIGURE 40. 304605 SELECTOR MAGNET DRIVER RELAY W/RECTIFIER

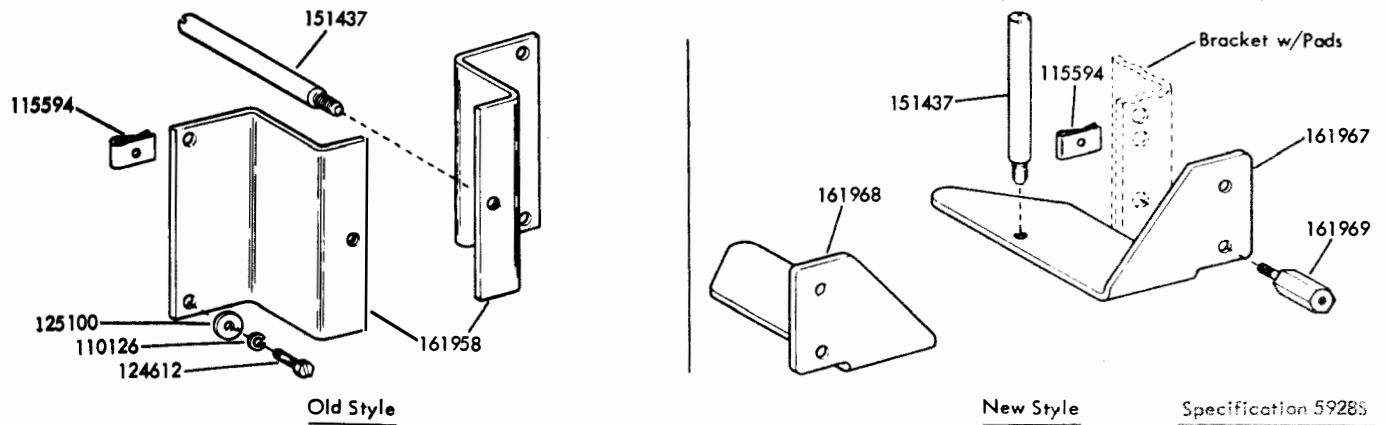


FIGURE 41. 161829 MODIFICATION KIT FOR MOUNTING AN ELECTRICAL SERVICE UNIT ON RELAY RACK BRACKETS

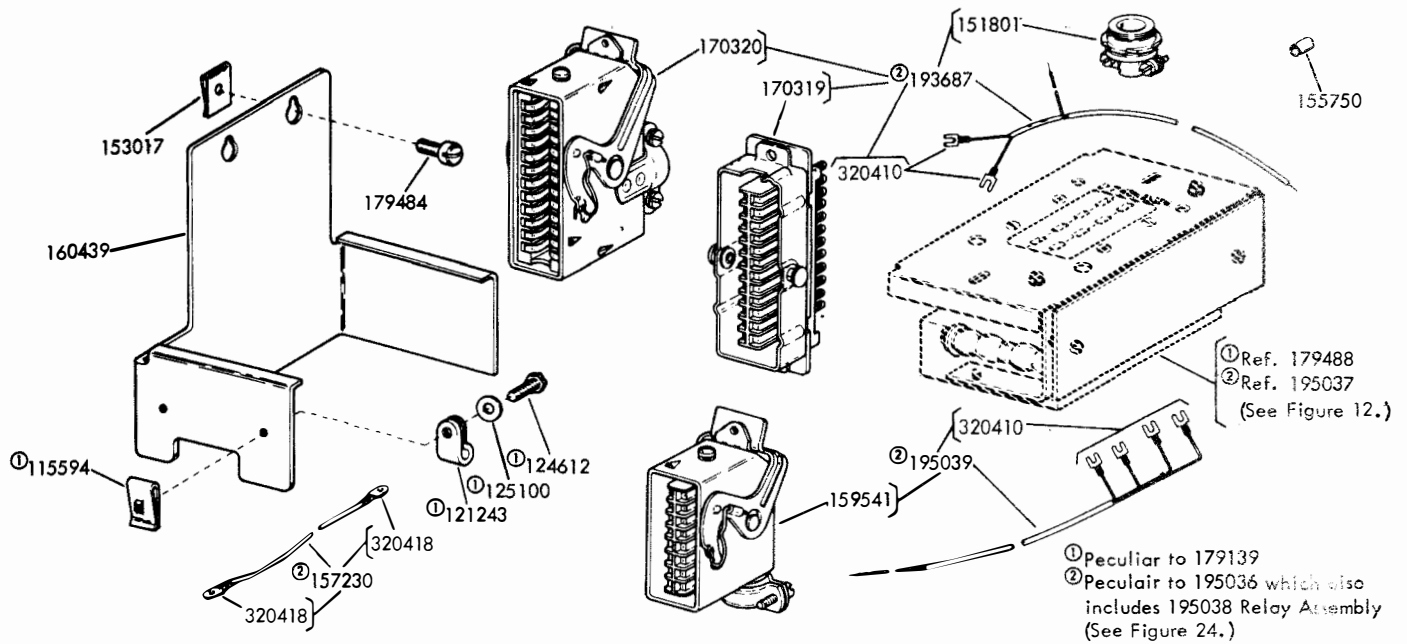


FIGURE 42. 179139 AND 195036 AUXILIARY REPEATER LINE RELAY ASSEMBLY

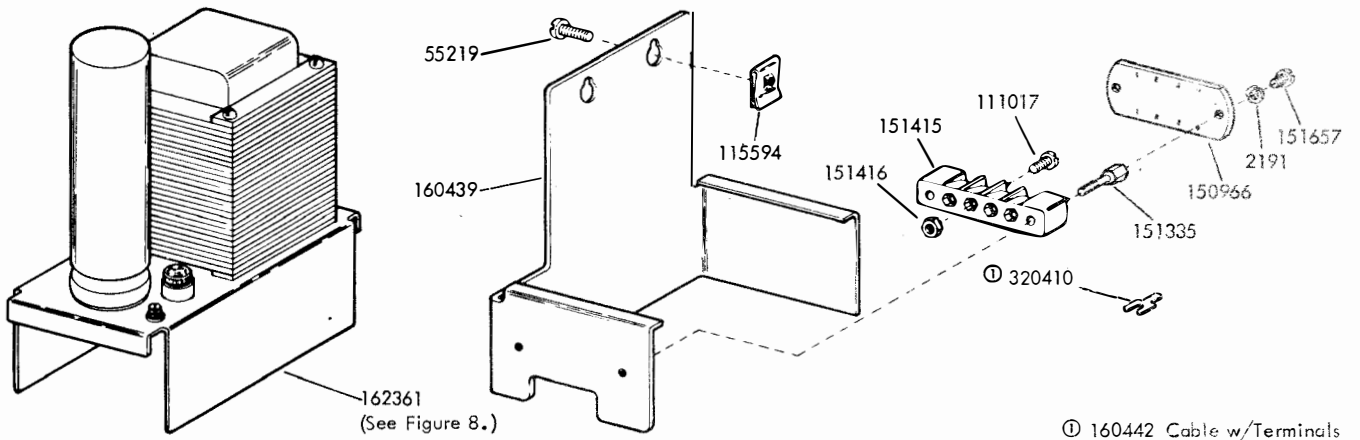


FIGURE 43. 160422 MODIFICATION KIT TO EQUIP CABINET WITH RECTIFIER

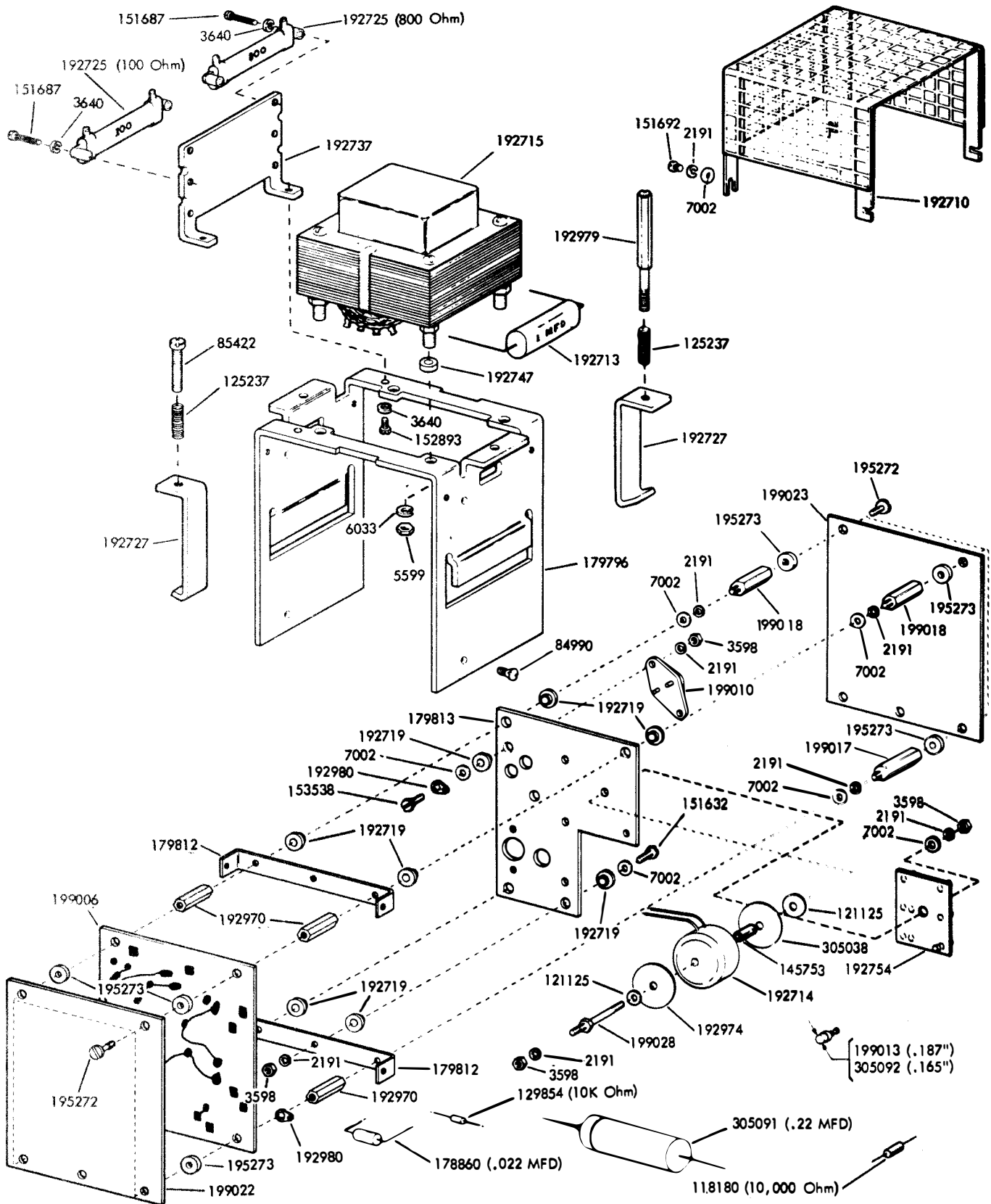
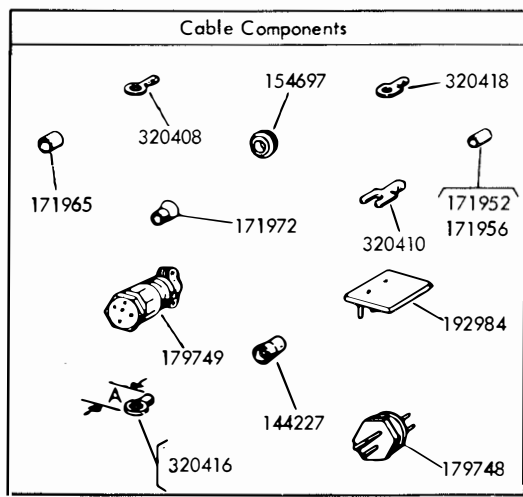
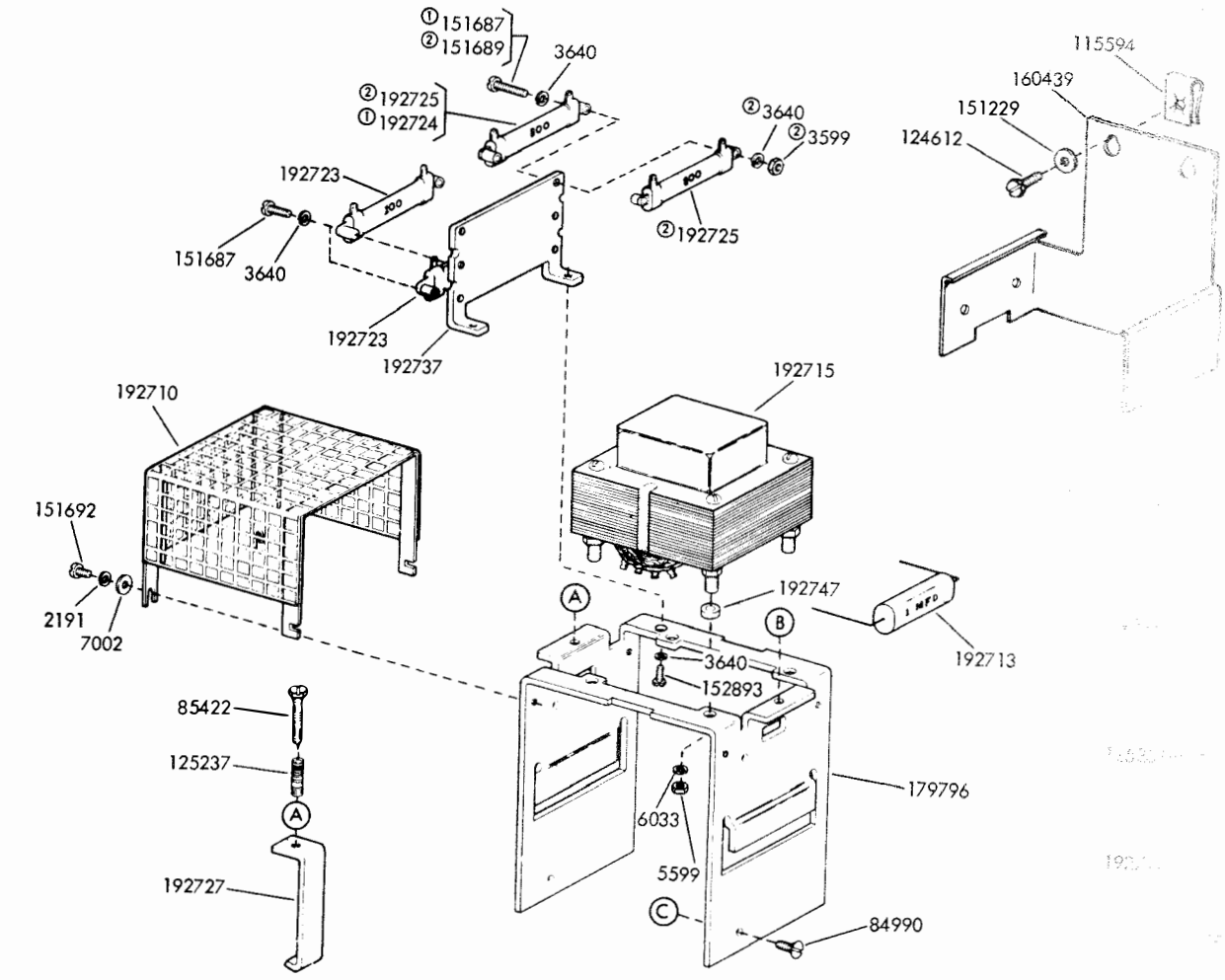


FIGURE 44. 192750 RECTIFIER ASSEMBLY



Part No.	Color	Quantity
151819	Black	300
156880	Black	300
157230	Black	300
157232	Black	300
195269	Green	300
195270	Green	300
305019	Brown	300
305020	Purple	300

Specification 502505

- ① Peculiar to 192730 Selector Magnet Assembly also shown on Figure 46.
 - ② Peculiar to 192740 Low-Level Keyer Assembly also shown on Figure 45.
- 179610 Modification Kit for use w/A
179611 Modification Kit for use w/out A

FIGURE 45. 179610 AND 179611 MODIFICATION KITS TO REDUCE RADIO FREQUENCY NOISE ON ASR SET

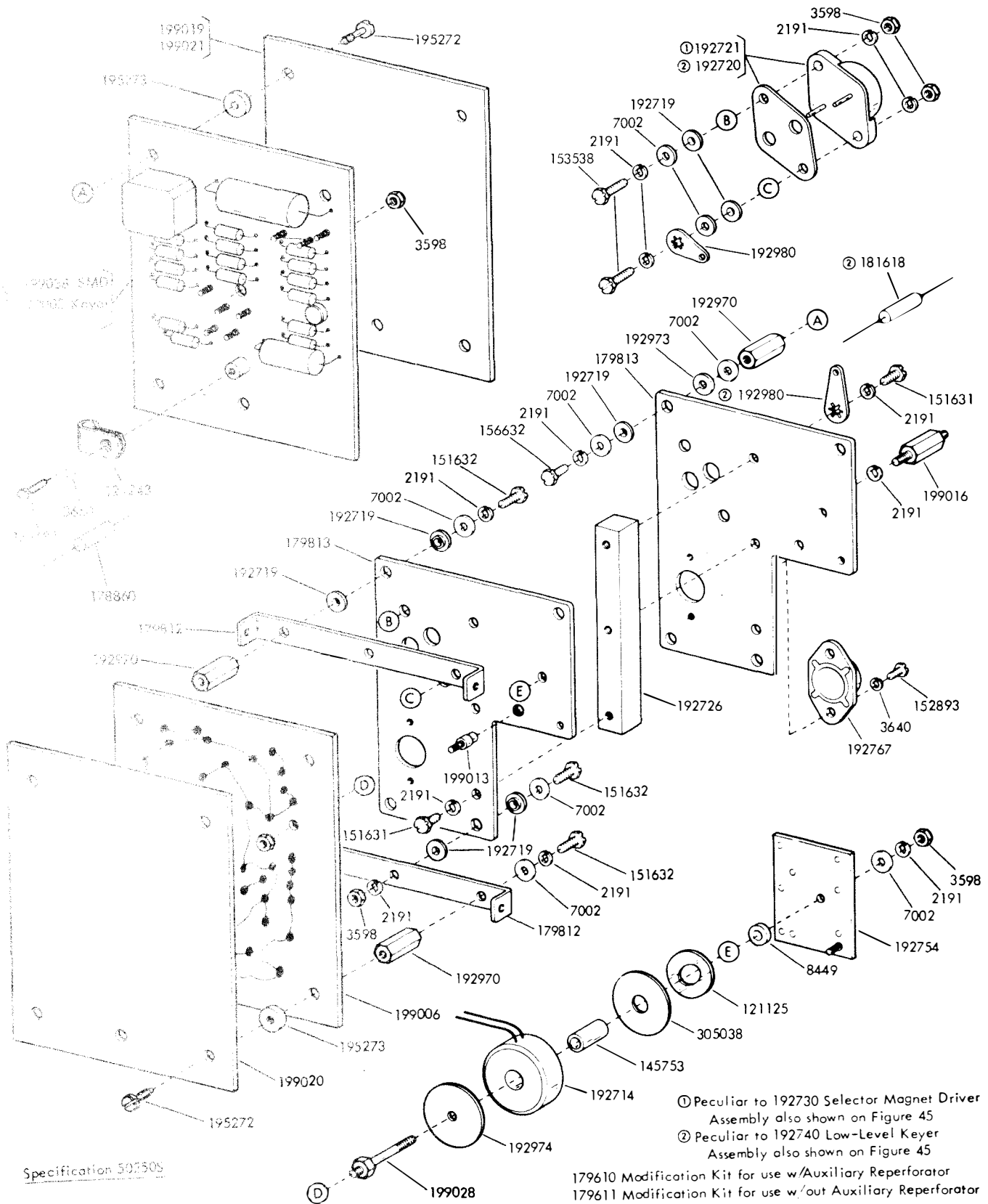
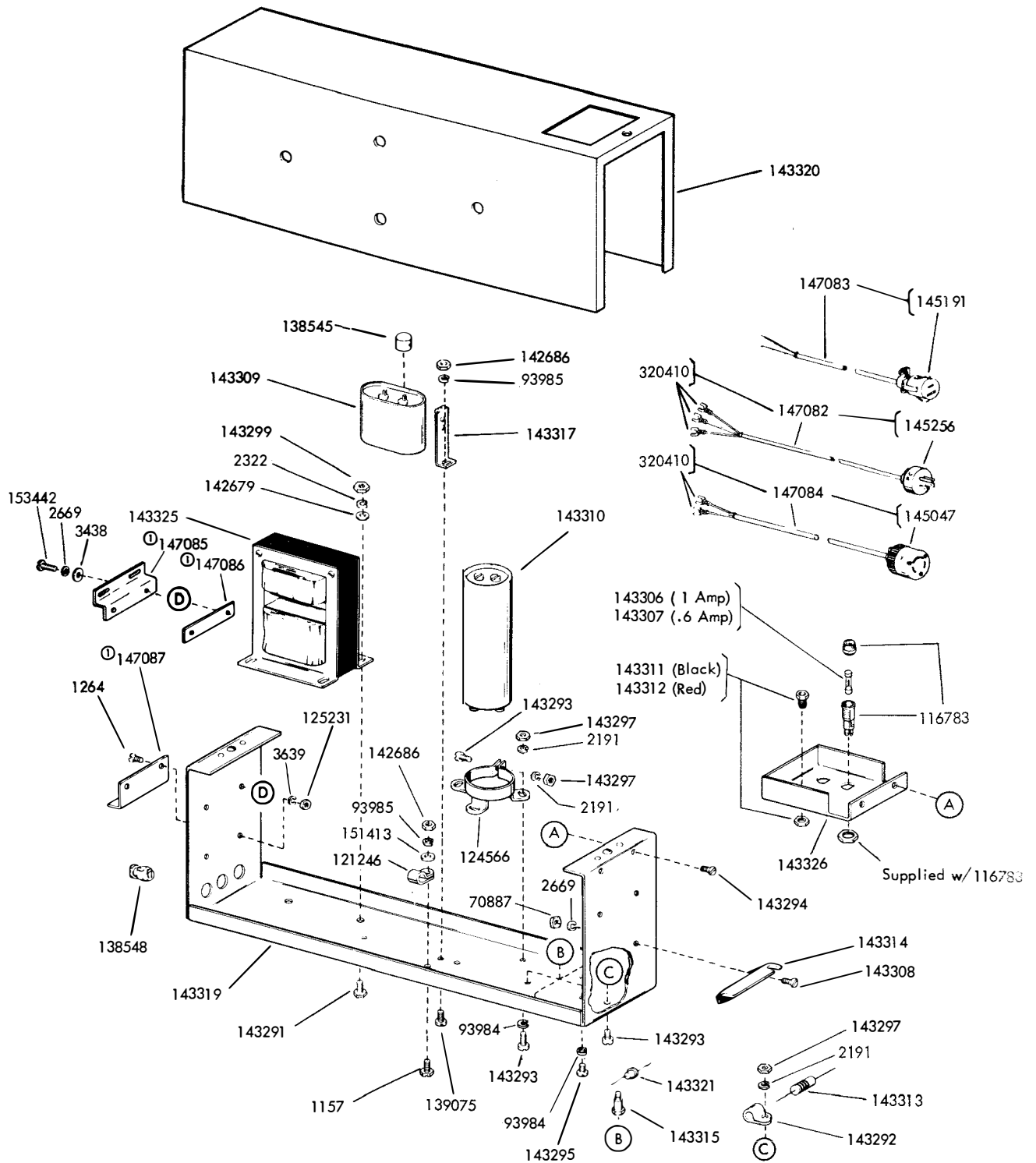


FIGURE 46. 179610 AND 179611 MODIFICATION KITS TO REDUCE RADIO FREQUENCY NOISE ON ASR SET (CONTINUED)



Ⓛ Parts no longer available

FIGURE 47. RECTIFIER - 130V DC - 20V AC

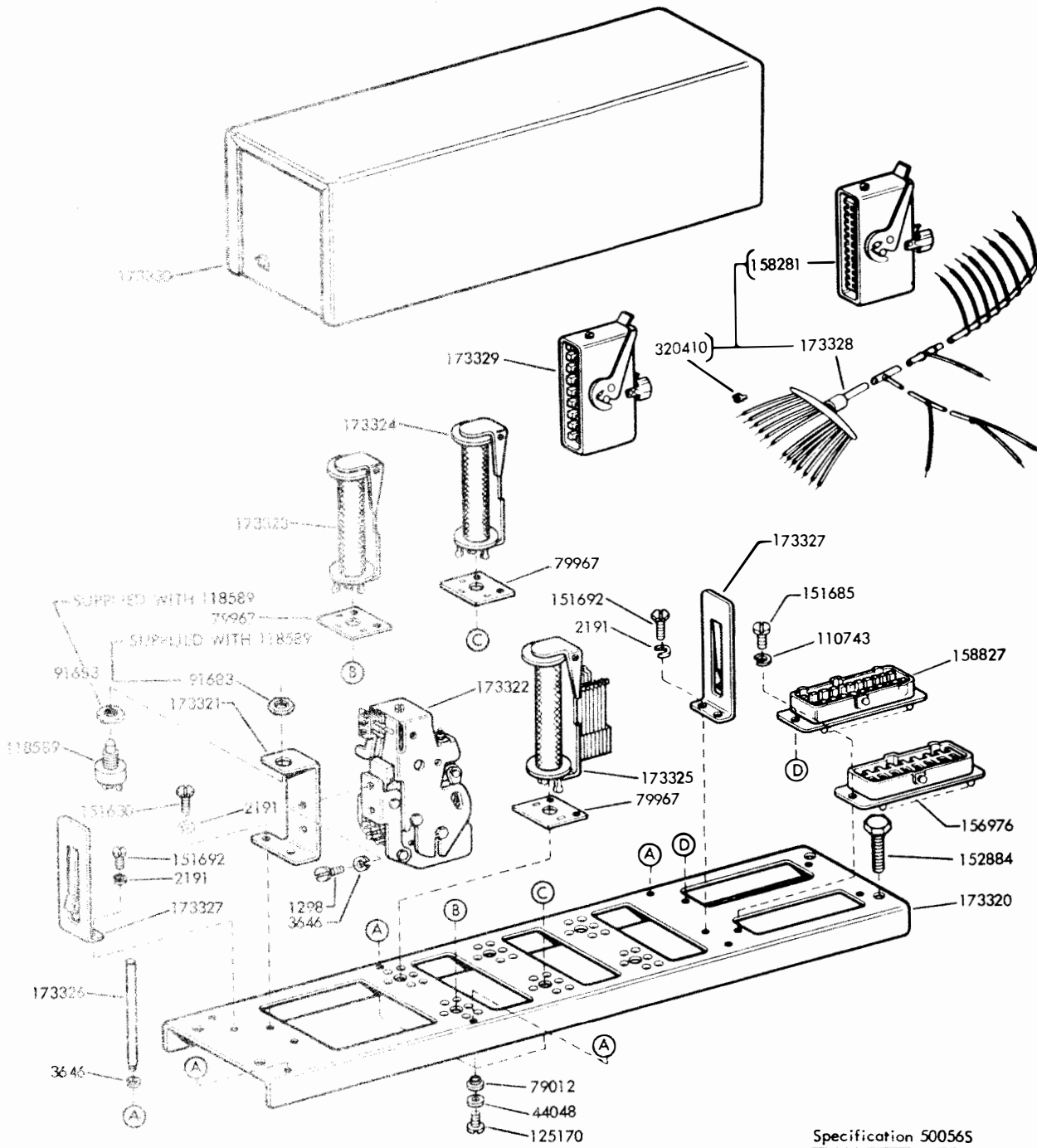


FIGURE 46. 162483 CALL DIRECTING RELAY UNIT

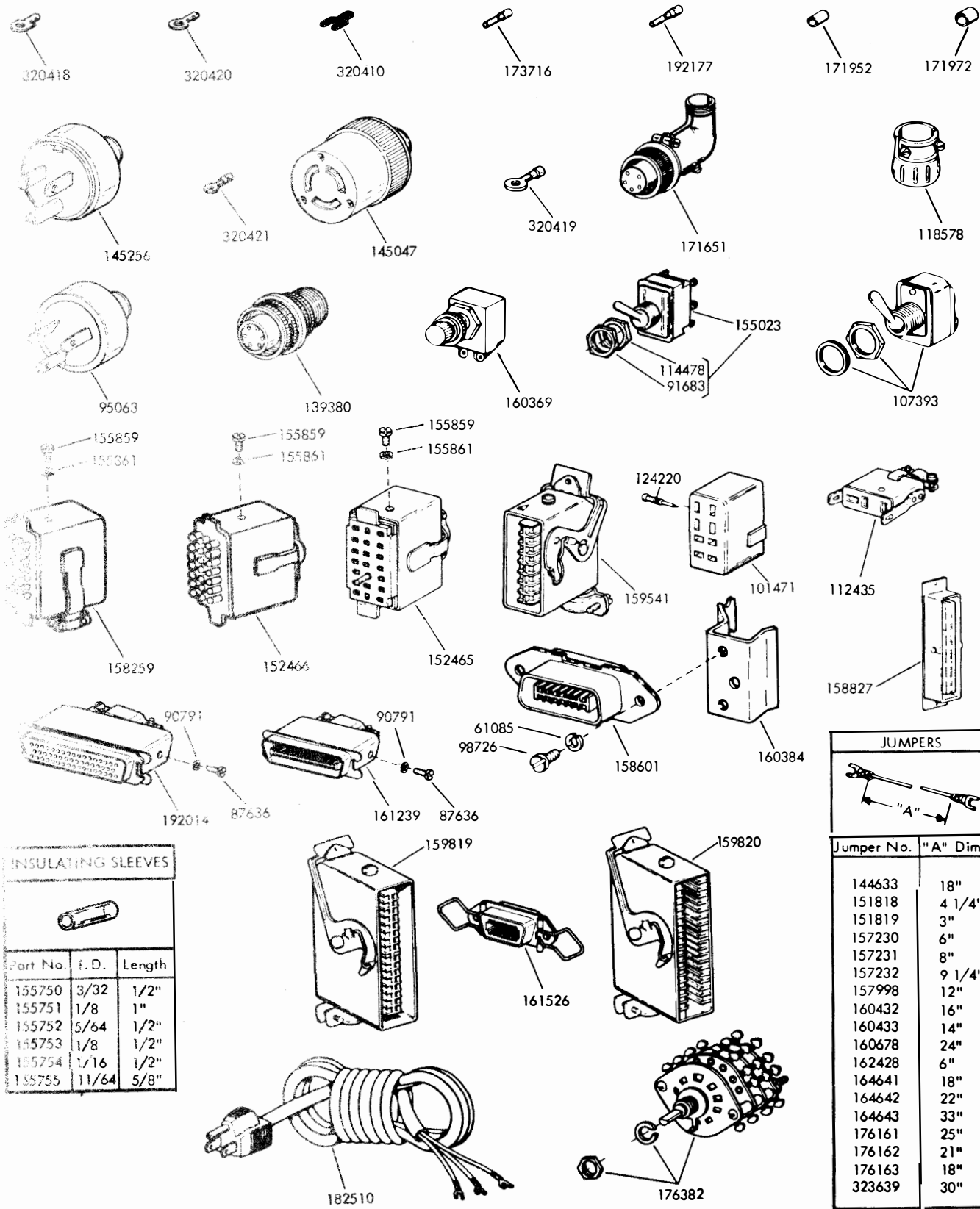


FIGURE 50. CABLE COMPONENTS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
169M	Coil, Magnet 16	7002	Washer, Flat 3 to 30, 32, 33,34,37	81836	Washer, Insulating 5,20
247M	Coil, Magnet 7	7603	Spring 7	82516	Spring, Retaining 12
252M	Coil, Magnet 7	7959	Bracket, Magnet 16	82870	Resistor, 6,300 Ohm 19
1020	Screw, 6-40 x 1/4 Hex 21	8262	Knob 19	83054	Capacitor, 1 MFD 6
1028	Screw, 4-40 x 1/4 Fil 12, 16,19,20	8449	Spacer, .094" Thk 29,34	83885	Nut, 6-32 Hex 37
1093	Screw, 8-32 x 7/16 Fil 7	34432	Washer, Flat 20,22	84990	Screw, 6-40 x 1/4 Flat 29,32,33
1157	Screw, 8-32 x 1/2 Fil 3, 23,27,35	35826	Washer, Flat 23	85422	Screw, 10-32 x 15/16 Hex 29,32,33
1158	Screw, 6-32 x 5/16 Fil 4	44048	Washer, Flat 3,7,13,15, 16,23,27,28,36,37	86742	Nut, 4-40 Hex 25
1172	Screw, 2-56 x 5/16 Fil 5	49514	Nut, 8-32 Hex 3,23,27,28	87636	Screw, 2-56 x 3/16 Rd 38
1248	Screw, 6-40 x 1/2 Flat 12	55219	Screw, 8-32 x 3/8 Fil 10,18,31	89548	Spring, Contact 12
1263	Screw, 6-32 x 1/4 Fil 21	55318	Screw, 6-32 x 1/4 Rd 9	89969	Washer, Insulating 5
1264	Screw, 10-32 x 1/2 Flat 35	61085	Lockwasher 38	90789	Washer, Flat 5,6,7,8,10, 24,25,26,30
1297	Screw, 6-40 x 2-7/16 Fil 22	70314	Washer, Flat 10	90790	Washer, Flat 20
1298	Screw, 8-32 x 1/4 Fil 36	70887	Nut, 10-24 Hex 35	90791	Lockwasher 38
2034	Washer, Flat 7	71047	Washer, Flat 16	90951	Lockwasher 7
2191	Lockwasher 3 to 37	71155	Screw, 6-32 x 1-1/4 Flat 8	91683	Nut, 15/32 Hex 3,24,36,38
2201	Nut, 5/16-32 Hex 7	71646	Nut, 6-32 Hex 8,9	91684	Nut, 15/32-32 Ring 3
2322	Lockwasher 35	73686	Resistor, 2,000 Ohm 26	91721	Screw, 10-32 x 2-3/4 Fil 20
2422	Lockwasher 5	74614	Resistor, 2,600 Ohm 12	92260	Lockwasher 8
2449	Lockwasher 16	74615	Resistor, 2,000 Ohm 5,12, 13,20	92271	Screw, 6-32 x 2-3/4 Rd 9,10
2658	Nut, 6-32 Hex 8	74691	Resistor, 1,6000 Ohm 26	92527	Lockwasher 3,23,27,28
2669	Lockwasher 20,35	74807	Nut, 10-32 Shoulder Hex 23	92761	Jumper, 1-1/2" Black 22
3438	Washer, Flat 19,20,29,35	74821	Resistor, 2,810 Ohm 12,17	92856	Resistor, 1,500 Ohm 4,20
3595	Nut, 1/4-32 Hex 16	74882	Spring 7	93073	Modification Kit 20
3598	Nut, 6-40 Hex 3,4,5,6,7, 10,12,13,16 to 22, 24, 25,27,28,29,32,34	74980	Screw,6-40 x 1-13/16 Rd 5	93598	Screw, 4-40 x 5/16 Rd 9
3599	Nut, 4-40 Hex 4,17,28,33	75435	Resistor, 600 Ohm 20	93711	Resistor, 200 Ohm 5
3606	Nut, 6-40 Hex 3,4,5,18, 22,23,24,26	75750	Washer, Insulating 12,13, 14,16,17,18,19,20,22, 25,26	93959	Key 23,25
3639	Lockwasher 29,35	76099	Washer, Flat 5,19,20,23	93984	Lockwasher 35
3640	Lockwasher 7,15,25,28, 29,32,33,34,37	76461	Washer, Flat 17	93985	Lockwasher 35
3642	Washer, Flat 5	76983	Screw, 4-40 x 1-1/4 Fil 16	95009	Switch, Push Button 14
3646	Lockwasher 3,5,7,14, 23,36	77902	Screw, 6-40 x 2-3/8 Rd 4,5,10,12,13,14,16,17,19, 20,25,26	95063	Connector, 3 Pt Plug 38
3650	Washer, Flat 29,34	79012	Insulator 13,15,16,36,37	96208BK	Jumper, 3" Lg Black 37
3870	Spring 7	79967	Insulator 13,15,16,36,37	96216R	Jumper, 6" Red 5
3899	Spacer, .188" Thk 16	80342	Screw, 6-40 x 23/64 Hex 25	96260BK	Jumper, 3-1/2" Black 13
5599	Nut, 8-32 Hex 29,32,33	80467	Screw, 6-40 x 3/8 Hex 10	96262BK	Jumper, 4" Lg Black 8
5816	Washer, Insulating 7	80612	Nut, 8-32 Hex 5	96262S	Jumper, 4" Lg Slate 8
6033	Lockwasher 29,32,33	80854	Screw, 6-40 x 1-7/16 Fil 5,7,18	97143	Jack 23
6345	Nut, 6-32 Hex 8,11			98142	Washer, Flat 25
6347	Screw, 6-32 x 3/8 RD 25			98718	Washer, Flat 14,23
6827	Block 12			98726	Screw, 3-48 x 1/4 Fil 38
				100657	Connector, 2 Pt Receptacle 4,5
				101471	Connector, 8 Pt Receptacle 38

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
101944	Resistor, 4,000 Ohm 12	120205	Shield, Tube 21	137441	Resistor, 1,200 Ohm 21
102690	Connector, Duplex Receptacle 24	120208	Resistor, 22 Ohm 37	137602	Resistor, 470 Ohm 15
104213	Resistor, 300 Ohm 13	120421	Resistor, 100 Ohm 25	138191	Screw, 3-48 x 1 Rd 12
104807	Washer, Flat 19	121018	Nut, 4-40 Hex 9	138538	Fuse, SL-BL 2 Amp 27
107116	Lockwasher 3,10,25,27	121125	Washer, Spring 7,29,32,34	138545	Cap, Insulator 35
107393	Switch, SP-ST Toggle 38	121243	Clamp, 3/16" ID Cable 11,18,29,31,34	138548	Connector, Cord 35
110126	Lockwasher 31	121244	Clamp 1/4" Id Cable 3,26	139075	Screw, 8-32 x 1/4 Fil 35
110434	Screw, 4-40 x 3/16 Fil 15	121245	Clamp 5/16" ID Cable 3, 25,28	139158	Connector, Duplex Receptacle 24
110435	Nut, 4-40 Hex 7,25	121246	Clamp, 3/8" ID Cable 3, 17,27,35	139335	Connector, 6 Pt Plug 9
110743	Lockwasher 4,9,16,17,19, 20,21,25,36,37	121247	Clamp, 7/16" ID Cable 3,23,25	139380	Connector, 6 Pt Receptacle 38
111017	Screw, 6-40 x 5/16 Fil 3,4,21,22,24,25,27,28,31	121248	Clamp, 1/2" ID Cable 3	139564	Nut, 3/8-32 Hex 14
111647	Resistor, 1,000 Ohm 4,5	121249	Clamp, 5/8" ID Cable 3,4,23	139565	Washer, Flat 14
111970	Key, Line Test 20	121250	Clamp, 3/4" ID Cable 3	139692	Resistor, 2,000 Ohm 12,26
111971	Knob 20	121413	Spacer, .344" Thk 9	139777	Screw, 3-56 x 1/4 Flat 19,20
112435	Socket 38	121630	Washer, Flat 8,27	139971	Screw, 2-56 Self-Tapping 3,19
112485	Screw, 6-32 x 1/4 Fil 9	122184	Grommet 10	142288BK	Jumper, 2" Black 10
112626	Nut, 10-32 Hex 20	123146	Socket, 6 Pt 17	142679	Washer, Flat 35
112627	Nut, 2-56 Hex 5	124220	Pin, Drive 38	142686	Nut, 8-32 Hex 35
114119	Washer, Insulating 23	124566	Clamp, Capacity 35	143291	Screw, 1/4-20 x 5/8 Hex 35
114478	Nut, 15/32-32 Hex 38	124612	Screw, 8-32 x 1/2 Hex 23,31,33	143292	Clamp, Cable 35
114479	Rheostat, 1,500 Ohm 26	125010	Washer, Insulating 4,5,26	143293	Screw, 6-32 x 1/2 Spl 35
114626	Screw, 6-40 x 2-1/16 Fil 13	125011	Washer, Flat 4,13,16,19, 20,37	143294	Screw, 8-32 x 3/8 Flat 35
114654	Strip, Terminal 13,15	125015	Washer, Flat 5,8,12,14, 16,25	143295	Screw, 4-40 x 1/4 Rd 35
115537	Screw, 8-32 x 2-1/4 Rd 5	125100	Washer, Flat 31	143297	Nut, 6-32 Hex 35
115594	Nut, Speed 11,1823,31,33	125108	Screw, 6-32 x 3/8 Fil 37	143299	Nut, 1/4-20 Hex 35
116783	Holder, Fuse 3,8,10,24, 26,27 35	125112	Screw, 2-56 x 1/8 Fil 16	143306	Fuse, 1 Amp SL-BL 8,10, 35
117366	Jumper, 8-1/2" Green 37	125130	Screw, 6-32 x 1/2 Fil 25	143307	Fuse, .6 Amp 35
117535	Washer, Flat 23	125170	Screw, 8-32 x 5/16 Fil 13,14,15,16,23,36,37	143308	Screw, 10-24 x 5/8 Flat 35
118180	Resistor, 10,000 Ohm 32	125186	Screw, 8-32 x 3/4 Fil 3	143309	Capacitor, 2.75 MFD 35
118210	Resistor, 22,000 Ohm 8	125200	Screw, 10-32 x 1/2 Rd 23	143310	Capacitor, 1250 MFD 35
118575	Nut, 3/8-32-Insulating 23	125231	Nut, 10-32 Hex 35	143311	Jack, Black 35
118578	Clamp, 3/4 Id Cable 38	125237	Spring, Compression 29, 32,33	143312	Jack, Red 35
118589	Switch, Black Pushbutton 36	125306	Stop, Magnet Plunger 16	143313	Resistor, 6,000 Ohm 35
118659	Switch, Toggle 3	125315	Washer, Insulating 9	143314	Bracket, Mounting 35
118720	Resistor, 100K Ohm 21	125390	Washer, Flat 7,23,37	143315	Terminal, Insulating 35
118726	Resistor, 820 Ohm 15	129098	Screw, 6-40 x 11/32 Flat 21	143317	Bracket 35
119045	Grommet, Rubber 3,17,23	129854	Resistor, 10,000 Ohm 32	143319	Chassis 35
119121	Bracket 22	129916	Capacitor, .1 MFD 21	143320	Cover 35
119218	Resistor, 3,500 Ohm 5	129919	Fuse, 4 Amp SL-BL 3,26,27	143321	Diode 35
119367	Set Screw, 8-32 23			143325	Regulator 35
120121	Resistor, 62,00 Ohm 21			143326	Bracket, Fuse Jack 35
120165	Fuse, 10 Amp 3,26			144227	Connector, Black insulated, 33
120175	Plate Off-On 3,24				
120195	Rectifier 8				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
144339	Bushing 2" Lg 23	147082	Cable Assembly 35	151441	Plate, 2-3/4 Wide Blank 5
144340	Bushing, 2-1/8" Lg 23	147083	Cable Assembly 35	151574	Grommet, Rubber 6
144610	Card, EC610 Circuit 25	147084	Cable Assembly 35	151616	Screw, No.2 Self-Tapping 3
144616	Plate, Relay 12	147085	Plate, Upper Adapter 35	151618	Screw, 6-40 x 7/16 Fil 3, 4,23,26,27,28
144617	Plate, Relay 12	147086	Plate, Nut 35	151629	Nut, 6-40 Lug 11
144618	Cable w/Terminals 12	147087	Bracket, Lower 35	151630	Screw, 6-40 x 1/4 Hex 4,5,6,7,11,17,25,27,36
144619	Cable w/Terminals 12	148257	Terminal, Insulated 9	151631	Screw, 6-40 x 5/16 Hex 6,13,16,17,18,26,27, 29,34
144620	Mounting Assembly, Line Relay 12	150040	Screw, 6-40 x 5/8 Fil 3, 4,5,6,7,8,10,13 to 18,20 to 28,30	151632	Screw, 6-40 x 3/8 Hex 7,26,29,32,34
144621	Mounting Assembly, Line Relay 12	150323	Washer, Flat 37	151637	Screw, 4-40 x 1/4 Fil 19, 20,25,37
144625	Guard 25	150849	Washer, Insulating 5	151657	Screw, 6-40 x 1/4 Fil 4, 12,16,17,18,19,22,26,31
144626	Container 24	150948	Plate 3	151658	Screw, 6-40 x 5/16 Fil 24,25
144630	Block, Mounting 25	150949	Plate, Serial 3	151659	Screw, 6-40 x 1/2 Fil 4,12
144631	Post, Mounting 25	150950	Plate, Code 3	151685	Screw, 4-40 x 5/16 Fil 4, 21,36
144633	Jumper, 18" Black 25,38	150966	Insulator, Terminal 27,31	151686	Screw, 4-40 x 3/8 Fil 28
144634	Relay, 90 Ohm 25	150992	Stud 37	151687	Screw, 4-40 x 7/16 Fil 29,32,33,34
144960	Plate, Mounting 25	150995	Bushing 17,18	151689	Screw, 4-40 x 3/4 Fil 33
144962	Bracket, Mounting 25	151152	Screw, 4-40 x 3/16 Hex 19	151692	Screw, 6-40 x 3/16 Fil 12,17,29,32,33,36
144963	Cover 25	151229	Washer, Flat 33	151722	Screw, 6-40 x 3/16 Hex 17,18
145003	Relay 26	151335	Stud 27,31	151733	Screw, 4-40 x 9/16 Fil 25
145021	Relay 25	151346	Screw, 6-40 x 3/8 Fil 3,4,10,23,24,25,26,27,28	151801	Bushing, Clamp 31
145040	Plate, Mounting 24	151401	Base 7	151808	Relay 4,18
145047	Connector, 3 Pt Receptacle 27,35,38	151402	Core 7	151814	Bracket, Relay Mounting 4,18
145068	Plate, Mounting 24	151403	Frame 7	151818	Jumper, 4-1/4" Black 25,38
145071	Plate, Mounting 25	151406	Plate, Insulating 7	151819	Jumper, 3" Black 7,12, 16,19,20,22,25,33,37,38
145072	Plate, Mounting 25	151407	Collar, Spacing 7	151827	Strap, Terminal 3,4,22, 24,25,27
145191	Connector, 2 Pt Receptacle 35	151408	Lever 7	151880	Nut, 4-40 Hex 21
145256	Connector, 3 Pt Receptacle 35,38	151409	Armature 7	151913	Plate, Mounting 8
145270	Capacitor, 1 MFD 25	151410	Clip, Retaining 7	151916	Transformer 8
145753	Bushing 29,32,34	151411	Block, Terminal 3,4,21,22, 24,25,27,28	151939	Grommet, Rubber 10,27
145882	Terminal	151412	Insulator, Terminal 3,4, 21,22,24,25,27,28	153109	Filter 12
145894	Switch 24	151413	Washer, Flat 10,35	152110	Bracket, Resistor Mounting 12
146572	Plate, Top Mounting 21	151414	Switch, Sensitive 7	152124	Spacer 12
146573	Plate, Lower Mounting 21	151415	Block, Terminal 27,31		
146574	Connector, 8 Pt Plug 21	151416	Nut, 6-40 Hex 3,4,21,22, 24,25,27,28,31		
146650	Inductor 21	151418	Fuse, 10 Amp 24		
146651	Post 21	151422	Connector 2 Pt Receptacle 3,24		
146652	Modification Kit 2,21	151426	Plate, 3-3/4 Wide Blank 5		
146901	Rectifier Assembly 2,9	151427	Plate, Clamp 5,6,7,8,10, 11,12,13,14,15,16,17,18, 20,22,23,24,25,26,30		
146967	Resistor, 750 Ohm 9	151432	Armature 7		
146968	Transformer 9	151437	Stud 3,4,24,25,26,31		
147008	Connector, 2 Pt Receptacle 28	151440	Stud 7		
147060	Plate 22				
147061	Mount, Jack 22				
147062	Jack, Line 22				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
152332	Control Assembly, Motor 2,16	153484	Screw, 6-32 Spl 17,18	155755	Sleeve, 11/64 ID x 5/8" Lg Insulating 10,14,20,37,38
152426	Nut, 6-40 Self-Locking 11	153537	Screw, 4-40 x 9/32 Hex 15	155858	Resistor, 700 Ohm 5
152465	Connector, 20 Pt Receptacle 4,38	153538	Screw, 6-40 x 7/16 Hex 29,32,34	155859	Screw, 4-40 Spl 38
152466	Connector, 20 Pt Receptacle 4,38	153631	Network, Spark Suppression 25	155861	Lockwasher 38
152623	Mounting Assembly, Line Relay 12	153799	Screw, 4-40 x 21/64 Hex 19	156632	Screw, 6-40 x 13/32 Hex 27,29,34
152625	Key Assembly, Line-Test 2,20	153841	Screw, 6-40 x 9/16 Hex 11,25	156880	Jumper, 2-3/8" Black 33
152745	Bracket, Test Key 20	154335	Screw, 6-40 x 9/32 Fil 12,14,20,23	156976	Connector, 32 Pt Plug 36,37
152750	Cable Assembly 4	154337	Cover 7	157230	Jumper, 6" Black 31,33,38
152755	Strap, Terminal 4,27	154337	Cover 7	157231	Jumper, 8" Black 22,38
152757	Plate Assembly, Blank 5	154395	Plunger, Solenoid 16	157232	Jumper, 9-1/4" Black 22,33,38
152759	Plate Assembly 5	154408	Bracket 20	157307	Spacer 16
152760	Stud 3,22,24	154413	Plate, Switch 24	157308	Bracket 16
152761	Stud 3,4,27,28	154444	Fork 19	157309	Plate, Nut 16
152884	Screw, 12-24 x 1 Hex 36	154449	Shaft 19	157310	Switch, Sensitive 16
152893	Screw, 4-40 x 1/4 Hex 29,32,33,34,37	154459	Fork 19	157998	Jumper, 12" Black 38
152950	Rectifier Assembly 2,8	154632	Block, Terminal 16	158215	Plate, Nut 26
152988	Plate, Cover 5	154636	Plate 16	158216	Plate, Nut 4
153002	Plate, Bell Identification 3	154664	Resistor, 2,000 Ohm 22	158259	Connector, 20 Pt Receptacle 38
153017	Nut, Speed 18,31	154665	Cable w/Terminals 16	158265	Cable Assembly 14
153102	Screw, 8-32 19	154697	Grommet, Rubber 33	158266	Cable w/Terminals 19
153108	Insulator, .031" Thk 8	154747	Modification Kit 2,22	158267	Cable w/Terminals 12
153157	Resistor, 400 Ohm 7	154870	Cable w/Terminals 22	158272	Plate, Right Mounting 3,26
153251	Control Assembly, Motor 2,7	155023	Switch, DP-DT Toggle 3,24,38	158273	Plate, Left Mounting 4
153442	Screw, 10-32 x 1/2 Hex 23,35	155043	Solenoid Assembly 16	158278	Container 3,4,25,26,27,28
153451	Block, Terminal 19,20	155045	Switch, SP-DT Toggle 24	158279	Plate, 1-5/16 Wide Blank 5
153454	Bracket 20	155558	Relay Assembly 2,16	158280	Plate, Left Mounting 4
153455	Resistor, 600 Ohm 18	155559	Plate 16	158281	Connector, 32 Pt Plug 36
153456	Bracket 4,27,28	155560	Relay 16	158283	Connector, 32 Pt Receptacle 37
153457	Strap, Terminal 4	155561	Cable w/Terminals 16	158284	Connector, 20 Pt Receptacle 4
153460	Plate, Left Mounting 4,22	155564	Cover, Relay 16	158291	Cover, Relay 4,18,26
153462	Plate 3,22,24	155591	Capacitor, 220 MFD 8	158292	Bracket, Terminal 3,25
153464	Block Terminal 12	155718	Jumper, 3" Black 22	158293	Key Assembly, Line Test 2,19
153475	Cable W/Terminal 12	155750	Sleeve, 3/32 ID x 1/2 Lg Insulating 10,11,16,19,20,31,38	158294	Key, Line Test 19
153476	Cable w/Terminals 19,20	155751	Sleeve, 1/8 ID x 1" Lg Insulating 37,38	158295	Bracket, Resistor 19
153477	Cable w/Terminals 8	155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 38	158296	Bracket, Test Key 19
153478	Cable w/Terminals 7	155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 14,17,23,38	158554	Post, Pilot 21
153480	Resistor, 6,750 Ohm 12	155754	Sleeve, 1/16 ID x 1/2" Lg Insulating 11,38	158601	Connector, 14 Pt Plug 38
153481	Resistor, 5,800 Ohm 12,19,20			158694	Plate, Designation 19
153482	Plate, Relay 12				

NUMERICAL INDEX (Continued)

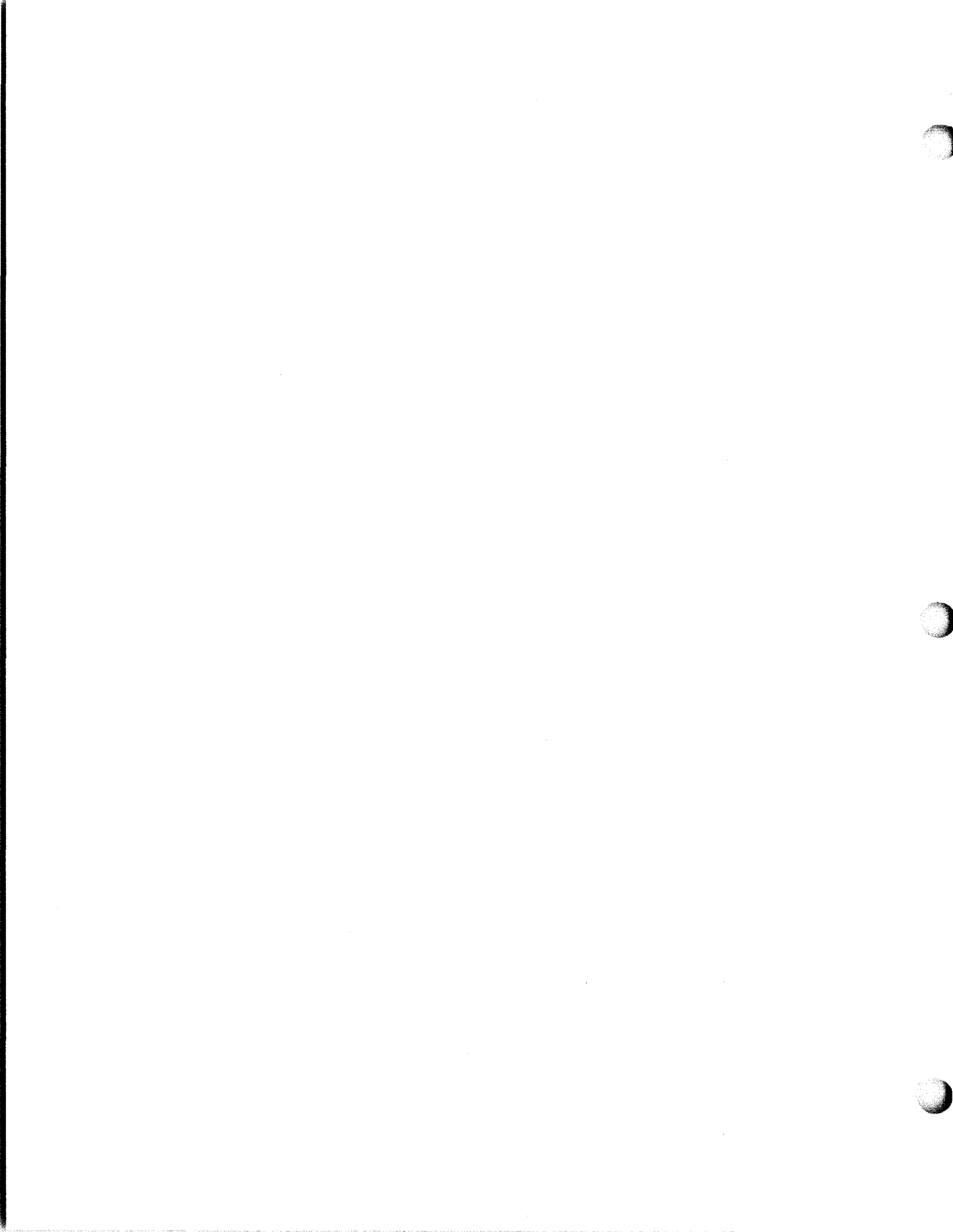
Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
158696	Knob 19,23	160386	Resistor, 1,000 Ohm 14,20	164642	Jumper, 22" Black 38
158827	Connector, 32 Pt Receptacle 36,38	160389	Screw, 12-34 x 1-1/4 RD 37	164643	Jumper, 33" Black 38
159204	Connector, 2 Pt Plug 28	160411	Bracket, Cover Guide 37	164840	Plate, Mounting 5
159269	Fuse, 3/8 Amp 8	160419	Cable w/Terminals 18	164862	Plate, Right and Left Mounting 23
159318	Relay Assembly 2,14	160420	Relay Assembly, Line Shunt 2,18	164863	Relay, 3,300 Ohm 23
159319	Relay 14	160421	Bracket 18	164867	Cable w/Terminals 23
159320	Cover, Relay 13,14,15,23, 26,36	160422	Modification Kit 2,31	164868	Modification Kit 2,23
159321	Bracket, Relay 14,15,23	160432	Jumper, 16" Black 38	164869	Cable Assembly 23
159322	Plate, Relay 14,15,23	160433	Jumper, 14" Black 38	164870	Bracket, Mounting 23
159323	Resistor, 1,500 Ohm 14, 16,26	160439	Bracket 11,31,33	165008	Turret, Terminal 4,10,23
159324	Bracket, Resistor 14	160442	Cable w/Terminals 31	165060	Socket, Tube 21,25
159326	Mounting Assembly, Line Relay 12	160678	Jumper, 24" Black 38	165062	Capacitor, 2 MFD 13
159541	Connector, 16 Pt Plug 31,38	160831	Terminal 37	165073	Diode 13
159611	Bell 6,26	160833	Plate, Relay 12	165116	Terminal 17
159819	Connector, 32 Pt Plug 38	160847	Stud 16	165168	Key 25
159820	Connector, 32 Pt Receptacle 38	161136	Fuse, 6-1/4 Amp SL-BL 3,26	165449	Resistor, 47 Ohm 11
159821	Plate, Tape Out Connector 5	161239	Connector, 36 Pt Plug 38	165522	Diode 17
159936	Plate, Left Mounting 26	161525	Connector, 14 Pt Plug 11	165552	Resistor, 1000 Ohm 4
160226	Mounting Assembly, Line Relay 12	161526	Connector, 14 Pt Receptacle 38	165650	Relay Assembly 2,17
160227	Cable w/Terminals 12	161829	Modification Kit 2,31	165651	Bracket, Mounting 17
160229	Plate, Mounting 8	161875	Resistor, 2,000 Ohm 25	165652	Cable w/Terminals 17
160284	Resistor, 5,500 Ohm 12	161958	Bracket, Mounting 31	165673	Relay Assembly, Motor Control 2,18
160307	Diode 8	161967	Bracket, Right 31	165683	Cable w/Terminals 18
160308	Capacitor, 300 MFD 8	161968	Bracket, Left 31	170285	Resistor Assembly 2,13
160309	Transformer 8	161969	Stud 31	170287	Plate, Mounting Resistor 13
160325	Relay, Quick Acting 37	162357	Capacitor, 500 MFD 8	170288	Resistor, 3,500 Ohm 13
160326	Relay, Quick Acting 37	162358	Diode 8,37	170289	Capacitor, 1.3 - 1.6 MFD 13
160328	Relay, 2,000 Ohm 37	162359	Transformer, Power 8	170290	Cable w/Terminals 13
160332	Flasher, Thermal 37	162360	Fuse, .8 Amp SL-BL 8	170319	Connector, 24 Pt Plug 31
160334	Modification Kit 37	162361	Rectifier Assembly 2,8, 31	170320	Connector, 24 Pt Receptacle 31
160336	Cable Assembly 37	162428	Jumper, 6" Black 38	170573	Rectifier Assembly 2,9
160357	Clip, Spring 37	162441	Resistor, 3,750 Ohm 5	171461	Capacitor, 900 MFD 9
160358	Cover 37	162483	Relay Assembly 2,36	171463	Resistor, 1 Ohm 9
160359	Plate, Relay Mounting 37	162630	Modification Kit 19	171490	Connector, 15 Pt Circuit Card 25
160361	Clip 37	162821	Bracket 26	171516	Relay 25
160362	Plug, Banana 37	162822	Relay 26	171522	Resistor, 400 Ohm 39
160363	Capacitor, 6 MFD 37	162864	Clamp, 7/8" ID Cable 17	171530	Resistor, 2,000 Ohm 10
160365	Jumper, 28" Braided 37	163169	Shaft, Control 19	171541	Diode 11,13,15,26
160367	Plate, Left Mounting 4	163172	Bracket, Arm 19	171602	Diode 25
160369	Switch, NO Pushbutton 38	163965	Plate Assembly 5	171609	Diode 9,10
160384	Bracket 38	163966	Plate 5	171610	Transformer 9
160385	Plate, Relay 12	164232	Key Assembly, Line Test 2,19	171644	Fuse, 1.5 Amp 9
		164233	Cable w/Terminals 19	171651	Connector, 6 Pt Receptacle 38
		164641	Jumper, 18" Lg Black 38		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
171952	Connector, Green Shielding 33,38	176448	Control Assembly, Relay Motor 2,16	178859	Card, Circuit 11
171956	Connector, Green Shielding 33	176495	Transformer, Power 8	178860	Capacitor, .022 MFD 29,32,34
171965	Connector, Yellow Shielding 33	176673	Suppressor, Spark 15	178868	Resistor, 700 Ohm 11
171972	Connector, Green Insulated 33,38	176692	Relay, 4,000 Ohm 15	178871	Sleeve, 1/2 ID x 1-1/8" Lg Insulating 10
172971	Board, Terminal 37	176693	Cable w/Terminals 15	178872	Sleeve, 1/16 ID x 1-1/4" Lg Insulating 8
173138	Plate, Designation 19	176694	Relay Assembly, Motor Control 2,15	178886	Cable w/Terminals 11
173239	Relay Assembly 2,18	176696	Relay, Slow Release 13,15	178887	Cable w/Terminals 11
173240	Cable w/Terminals 18	176697	Cable w/Terminals 15	178888	Clip 11
173251	Mounting Assembly, Line Relay 12	176698	Relay Assembly 2,15	1788913	Diode, 3
173252	Key Assembly, Line Test 2,19	176788	Capacitor, 60 MFD 15	179139	Relay Assembly, Line 2,31
173255	Plate, Relay 12	176810	Relay Assembly 2,15	179195	Switch, Rotary 23
173281	Resistor Assembly 2,13	176811	Plate, Mounting 15	179196	Connector, 75 Pt Plug 23
173320	Plate, Relay Mounting 36	176812	Cable w/Terminals 15	179200	Plate, Designation 23
173321	Bracket, Mounting 36	177010	Driver Assembly, Selector Magnet 2,11	179253	Terminal 23
173322	Switch, Stepping 36	178137	Cable w/Terminals 13	179444	Relay Assembly 2,18
173323	Relay 36	178138	Relay Assembly, Slow Release 2,13	179445	Cable w/Terminals 12
173324	Relay, Delay 36	178140	Plate, Mounting 13	179446	Cable w/Terminals 18
173325	Relay 36	178306	Relay, Power 17,18	179472	Modification Kit 2,37
173326	Post, Guide 36	178307	Relay Assembly, Motor Control 2,18	179484	Screw, 12-24 Spl 18,31
173327	Bracket, Cover Guide 36	178308	Cable w/Terminals 17	179486	Cover, Insulator 12
173328	Cable Assembly 36	178326	Capacitor, 20 MFD 17	179487	Stud 12
173329	Connector, 32 Pt Receptacle 36	178327	Cable Assembly 17	179488	Mounting Assembly, Line Relay 12,31
173330	Cover, Relay Plate 36	178328	Bracket, Mounting 17	179560	Driver Assembly, Selector Magnet 2,11
173452	Keyer Assembly, Electronic 2,21	178330	Plate 17	179561	Cable Assembly 11
173716	Terminal, Receptacle Type 38	178345	Modification Kit 2,17	179562	Card, Circuit 11
173724	Modification Kit 4	178351	Relay Assembly, Line 23	179610	Modification Kit 2,33,34
173797	Plate 21	178352	Relay Assembly, Line 23	179611	Modification Kit 2,33,34
173800	Turret, Socket 21	178394	Plate 18	179632	Relay, Quick Acting 14
173801	Tube, Vacuum 21	178535	Suppressor, Spark 17,18	179662	Cover, Relay 14
173817	Base, Tube Shield 21	178601	Driver Assembly, Selector Magnet 2,11	179671	Plate, Relay 12
173842	Stud 21	178602	Cable w/Terminals 11	179748	Connector, 5 Pt Plug 33
173844	Resistor, 200,000 Ohm 21	178608	Relay Assembly, Motor Control 2,17	179749	Connector, 5 Pt Receptacle 33
173974	Screw, 10-32 x 5/16 Hex 29	178609	Cable w/Terminals 17	179782	Screw, 6-40 x 7/8 Hex 17,18
174012	Container, Electrical 23	178831	Connector, 2 Pt Receptacle 3,26	179796	Chassis 29,32,33
174306	Relay 37	178832	Plate, Adapter 3,26	179812	Bracket, Mounting 29,32,34
176161	Jumper, 25" Black 38	178840	Capacitor, 400 MFD 11	179813	Dissipator, Heat 29,32,34
176162	Jumper, 21" Lg Black 38	178841	Transformer 11	179953	Modification Kit 37
176163	Jumper, 18" Lg Black 38	178843	Plate, Mounting 11	179954	Relay, 2,000 Ohm 37
176382	Switch, Rotary 38	178853	Cover, Relay 4	179956	Cable Assembly 37
176386	Plate 14	178854	Bracket, Relay 4	181618	Capacitor, .01 MFD 34
176387	Bracket, Mounting 14	178855	Plate, Left 4	181648	Capacitor, .1 MFD 9
		178856	Relay, Line Shunt 4	182510	Cord, Power 38

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
190049	Switch, DT-DP Toggle 26	195270	Jumper, 3-1/2" Lg Green 33	305629	Diode Assembly 10
192014	Connector, 50 Pt Recetpacle Type 38	195272	Screw, 6-40 Spl 29,32,34	305630	Bracket, Fuse 10
192177	Terminal, Receptacle Type 38	195273	Bushing 29,32,34	305631	Rectifier Assembly 2,10
192710	Cover 29,32,33	195526	Board w/Terminal 11	305686	Bracket, Capacitor 6
192713	Capacitor, 1 MFD 29,32,33	195527	Jumper, 12" Slate 11	305717	Cable w/Terminals
192714	Choke, .70 Ohm 29,32,34	195528	Modification Kit 11	307069	Jumper, 2-1/4" Lg Red 10
192715	Transformer 29,32,33	197025	Stop 27	307070	Jumper, 3-1/4" Lg 10
192719	Bushing, Shoulder 29,32, 34	197028	Terminal 27	307071	Jumper, 4" Lg Blue 10
192720	Diode 34	198356	Plate 5	307126	Transformer 10
192721	Diode 29,34	198366	Modification Kit 20	307214	Plate, Idnetification 26
192723	Resistor, 100 Ohm 29,33	198367	Cable w/Terminals 20	307737	Bracket 10
192724	Resistor, 600 Ohm 29,33	198593	Shield 26	309895	Cable Assembly 20
192725	Resistor, 800 Ohm 32,33	198594	Plate, Mounting 26	310217	Driver Assembly 2.29
192726	Block 29,34	198626	Relay 26	310218	Cover 29
192727	Clamp 29,32,33	198665	Plate Assembly 5	310220	Card, Circuit 29
192730	Driver Assembly, Selector Magnet 33,34	198666	Plate 5	310235	Plate, Left 4
192737	Bracket, Resistor 29,32, 33	199003	Card, Circuit 34	310274	Transformer 8
192740	Keyer Assembly, Low Level 33,34	199006	Card, Circuit 29,32,34	310275	Rectifier Assembly 2,8
192747	Spacer, .125" Thk 29,32, 33	199010	Diode 32	310293	Modification Kit 20
192750	Rectifier Assembly 2,32	199013	Post, White Insulated 29,32,34	310712	Connector, 6 Pt Receptacle 28
192754	Varistor Assembly 29,32,34	199016	Post 29,34	310713	Connector, 6 Pt Plug 28
192767	Transistor 29,34	199017	Post 32	310727	Connector, 3 Pt Receptacle 27
192970	Post 29,32,34	199018	Post 32	311727	Resistor, 750 Ohm 21
192973	Washer, Insulating 29,34	199019	Cover 34	312529	Cover 19
192974	Washer, Insulating 29,32, 34	199020	Cover 29,34	317323	Post 11
192979	Stud 29,32,33	199021	Cover 34	319003	Bracket 29
192980	Terminal, Lug 29,32,34	199022	Cover 32	320408	Terminal, Spade Type 33
192984	Socket, 3 Pt 29,33	199023	Cover 32	320410	Terminal, Spade Type 4,7, 8,10,11,12,14 to 25, 30, 31,33,35,36,37,38
193687	Cable Assembly 31	199028	Post 29,32,34	320412	Terminal, Spade Type 10
194492	Key Assembly, Line Test 2,19	199038	Card, Circuit 34	320416	Terminal, Ring Type 2,33
195036	Relay Assembly, Line 2,31	199058	Plate, Rectifier Mounting 6	320418	Terminal, Ring Type 10, 13,17,18,27,31,33,38
195037	Mounting Assembly, Line RElay 12	199059	Plate, Switch Mounting 6	320419	Terminal, Ring Type 38
195038	Relay Assembly, Line Shunt 2,18,31	199445	Clamp, Capacitor 10	320420	Terminal, Ring Type 4,13, 23,33,37,38
195039	Cable Assembly 31	300371	Capacitor, .022 MFD 29	320421	Terminal, Ring Type 38
195040	Cable w/Terminals 18	301713	Connector, 2 Pt Receptacle 27	320462	Label 10
195041	Cable w/Terminals 18	304605	Relay w/Rectifier 30	321925	Cover, Rectifier 9
195046	Plate, Relay 12	304689	Plate, Clamp 27	321926	Cover 9
195177	Washer, Insulating 11	305019	Jumper, 2" Brown 33	323639	Jumper, 30" Lg 38
195296	Jumper, 3-1/2" Lg Green 33	305020	Jumper, 2" Purple 33	330863	Plate 6
		305038	Washer, Insulating 29,32, 34	334886	Plate 28
		305091	Capacitor, .22 MFD 32	334887	Plate 27
		305092	Post White Insulated 32	334899	Cable w/Terminals 27
		305624	Plate, Mounting 10	336176	Distributor Assembly, Power 2,27
		305625	Plate 10	336177	Plate Assembly 2,28
		305627	Capacitor, 1,500 MFD 10		
		305628	Clamp 10		



28 AUTOMATIC SEND-RECEIVE CABINET (LAAC)
PARTS

PAINT FINISH COLOR CODE CHART			
COLOR	Finish Suffix		
	Smooth Finish	Textured Vinyl	Smooth Vinyl
Charcoal Gray	BZ		HA
Dark Covert Gray	FC		
Light Gray			HB
Light Olive Gray	EW		HF
Gray Green	BK	GA	

The double asterisk(**) denotes a painted part.
Suffix to be applied following the part number.

SECTION 573-134-802TC

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
1	Cabinets	4	29	145898** Modification Kit to Provide a Tape Bin for Stored Tape of a Message in Transmission	24
2	Cabinet Base Parts	5	30	164024** (for Floor Model) and 173400** (for Table Model) Modification Kits to Provide Offset Copyholder	25
3	Cabinet Base Parts (Continued)	6	31	178897** Modification Kit to Provide A Pivoted Offset Copyholder for Floor Model Cabinet	26
4	Cabinet Base to Accommodate Pull-Back Transmitter	7	32	153901** Modification Kit to Provide a Shelf for Mounting a Paper Winder to Cabinet	27
5	Cabinet Dome, Latches and Doors	8	33	174458** Modification Kit to Provide Cabinet with a Paper Tearing Plate	27
6	Cabinet Dome to Accommodate Pull-Back Transmitter	9	34	194859** Modification Kit to Provide Shelf for Tape Winder or Tape Unwinder	28
7	Cradle Assembly	10	35	194857** Modification Kit to Provide Shelf for Single Reel Tape Winder	28
8	Receptacle Connectors and Outlet Box	11	36	321582** Modification Kit to Provide Mounting Shelf for Single Reel Tape Winder	29
9	151560 Signal Bell Assembly	11	37	321583** Modification Kit to Provide Mounting Shelf for the Single Reel Tape Winder	29
10	Modification Kits to Add Copyholder, Ready Light, Busy Lamp and Resistance to Cabinets	12	38	321581** Modification Kit to Provide Shelf for Center Unwinder	30
11	Terminal Blocks	13	39	173097** (Left) and 196909** (Right) Modification Kits to Provide Mounting Shelf for Left and Right Side of Cabinet	31
12	159396 Modification Kit to Add Auxiliary Terminal Blocks - Top Row Left Rear	14	40	163796** Modification Kit to Provide Telephone Mounting Shelf	31
13	159384 Modification Kit to Add Auxiliary Terminal Blocks - Top Row Right Rear	14	41	152910** and 179601** Modification Kits to Add Directory Holder or Message File Holder	32
14	159393 Modification Kit and 179470 Assembly to Add Auxiliary Terminal Block - Right Side	15	42	176713 Modification Kit to Provide Low Paper and Paper-Out Alarm	32
15	157152, 158680, 159394 and 179469 Modification Kits to Add Terminal Boards	15	43	164272 (for Auxiliary Reperforator) and 170306 (for Keyboard Reperforator) Modification Kits to Provide Chad Disposal	33
16	Transmitter and Transmitter Distributor Housings	16	44	164405** Modification Kit to Provide Chad Container for the Auxiliary Reperforator and/or Keyboard Reperforator	33
17	170272** Modification Kit to Provide Dual Transmitter Distributor Housing	17	45	178387 Modification Kit to Provide High Voltage Static Eliminator to Neutralize Electrostatic Charge on Page Copy	34
18	Cabinet Dome Variable Features	17	46	160468** (Pivoted Head Transmitter) and 160470** (Fixed Head Transmitter) Modification Kits to Provide Tape Basket	35
19	198364 Relay Assembly	18			
20	160335 Modification Kit to Provide Control Panel for Transmitter Distributor	18			
21	Control Panels	19			
22	176300 Modification Kit to Provide Auxiliary Reperforator Motor Control Panel	20			
23	164838 Control Panel Assembly	20			
24	178838 Modification Kit to Relocate Power Switch From Auxiliary Base to Outside of Cabinet	21			
25	194861 Modification Kit to Provide Tape Guide	21			
26	164197** Modification Kit to Provide Control Panel	22			
27	164120** Modification Kit to Provide Control Panel	22			
28	158630** and 162243** Tape Bin Assemblies	23			

**Refer to page 1 for finish suffix

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
47	154756 Modification Kit to Provide Form-Out Alarm	35	68	160387 and 160388 Modification Kits to Provide Relay Rack Brackets	54
48	193675 Modification Kit to Provide Cabinet with two Hinged Panels in Lower Cavity	36	69	170271 and 194490 Modification Kits to Tape Programmed Relay Control	55
49	161814 Modification Kit to Mount an Auxiliary Typing Reperforator Base and Provide Tape Guide	36	70	173706 Modification Kit for Power Factor Correction in Cabinet (LAAC)	56
50	154651 Modification Kit to Add Signal Line Electrical Noise Suppressor (D.C.)	37	71	173707 Modification Kit to Add Power Factor Correction to Auxiliary Reperforator in Cabinet (LAAC)	57
51	151988 Modification Kit to Add Power Line Electrical Noise Suppressor	37	72	309537 Control Panel Assembly	57
52	173520, 176540 and 315543 Numbering Module Assemblies (also Includes Parts on Figure 50)	38	73	161302 Modification Kit to Add Automatic Character Feed-Out Circuit to an ASR Set	58
53	173580 and 176561 Numbering Assemblies	39	74	164633 and 164640 Modification Kits to Permit LCXD 1 and LAXD 3 Transmitter Distributors to Operate with LESU 13 and LESU 15	59
54	Cable Components	40	75	145100 Tape Preparation Panel Assembly - Rear View	60
55	Fan, Tape Reel and Rectifier Mounting Components (Lower Cabinet)	41	76	145100 Tape Preparation Panel Assembly - Front View	61
56	Control Panel, Tape Guide and Left Side Shelf	42	77	146140 Modification Kit to Add Copylights and Guard Lamps	62
57	145000 Distributor Panel Assembly	43	78	192245** Chad Container w/Lens	62
58	145200 Key & Lamp Panel Assembly	44	79	195391** Modification Kit to Add Chad Container for the Auxiliary and/or Keyboard Reperforator	63
59	145050 Message Processing Panel Assembly - Front View	45	80	195837** Modification Kit to Provide Paper Supply Accumulating Shelf	64
60	145050 Message Processing Panel Assembly - Rear View	46	81	Modification Kits to Provide Mounting Shelf for Single, Double or Three Reel Rim Driven Tape Winder	65
61	145225 Translator Panel Assembly - Front View	47	82	145897** (w/Chad Box) 194084** Modification Kits to Add Tape Bin to Cabinet (for Chad Box, see Figure 80)	66
62	145225 Translator Panel Assembly - Rear View	48	83	146660** Chad Box Assembly (Part of 145897** See Figure 79)	57
63	145250 Alarm Panel Assembly - Front View	49	84	179385** and 305983** Tape Winder - Module Unit Door Assembly	68
64	145250 Alarm Panel Assembly - Rear View	50	85	179416 Modification Kit for Mounting Numbering Module	69
65	145350 Intercept Panel Assembly - Front View	51	86	312719** Modification Kit to Provide Forced Ventilation for Cabinet	70
66	145350 Intercept Panel Assembly - Rear View	52		Modification Kits	71-73
67	145204 48V D.C. Power Supply	53		Numerical Index	74

**Refer to page 1 for finish suffix

SEE ALSO 573-134-802

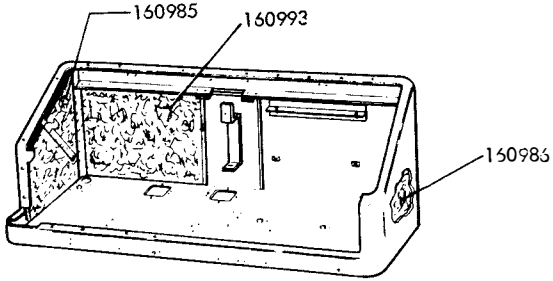
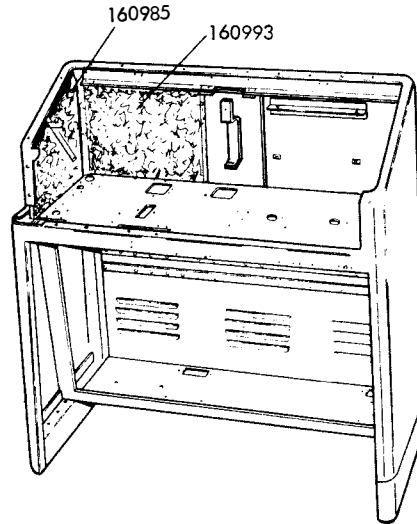


TABLE MODEL CABINET

CABINET TYPES	
General Purpose	Special Purpose
Accommodates Fixed Head Transmitters & Transmitter Distributors	Accommodates Pivoted Head Transmitter Distributors
<ul style="list-style-type: none"> ● LX ● LXD ● LBXD 	<ul style="list-style-type: none"> ● LAXD ● LCXD ● LFXD



FLOOR MODEL CABINET

FIGURE 1. CABINETS

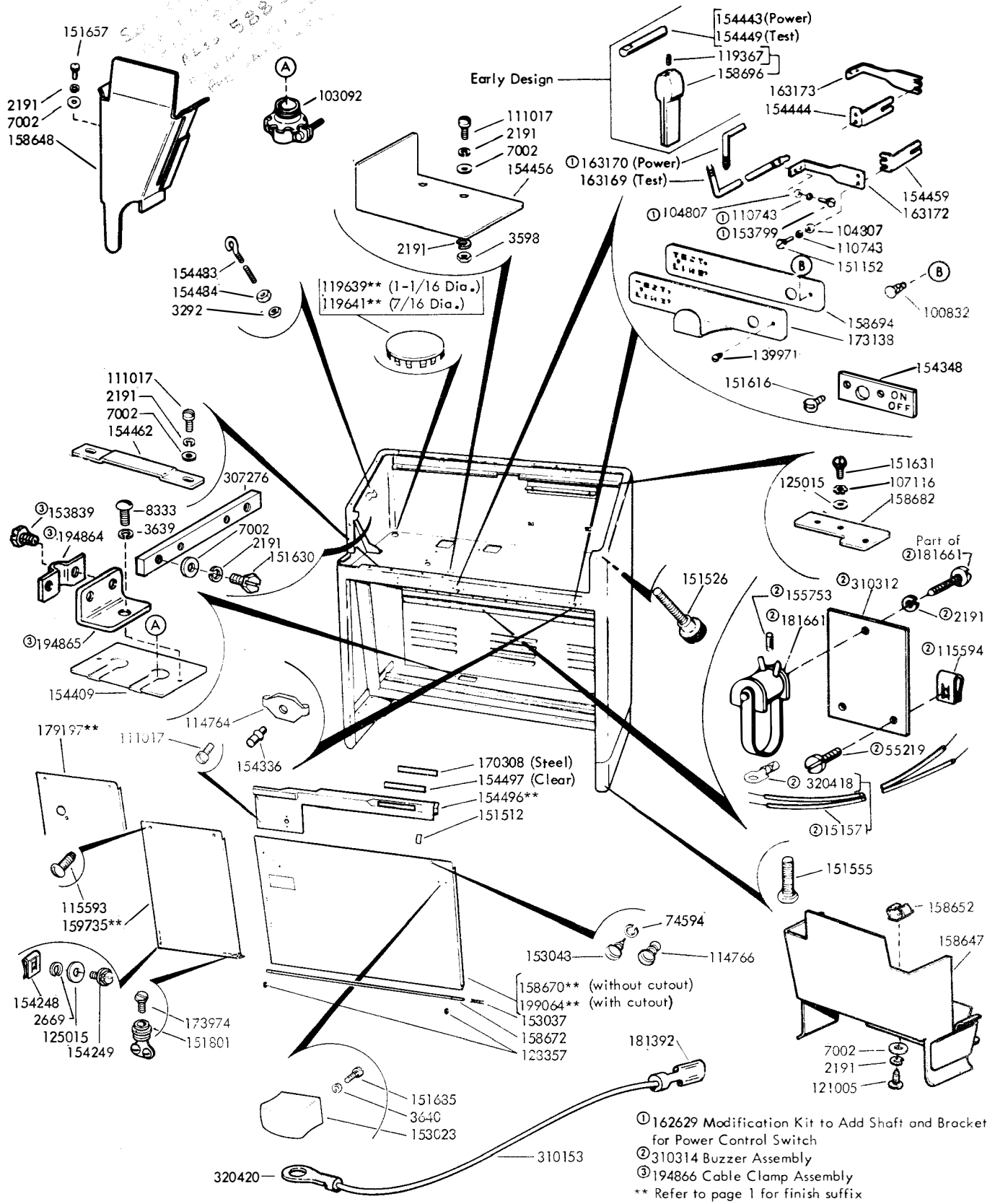


FIGURE 2. CABINET BASE PARTS

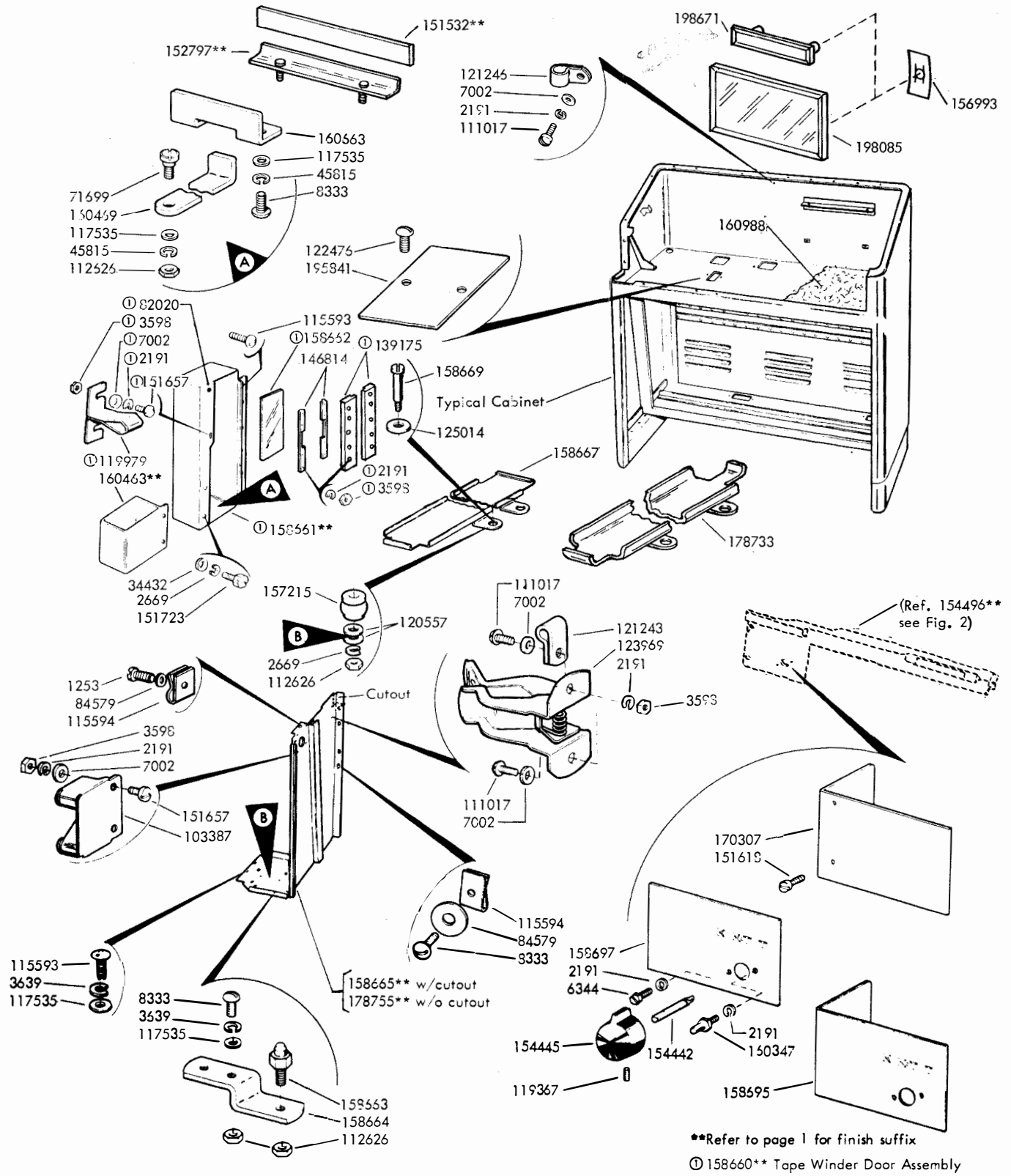
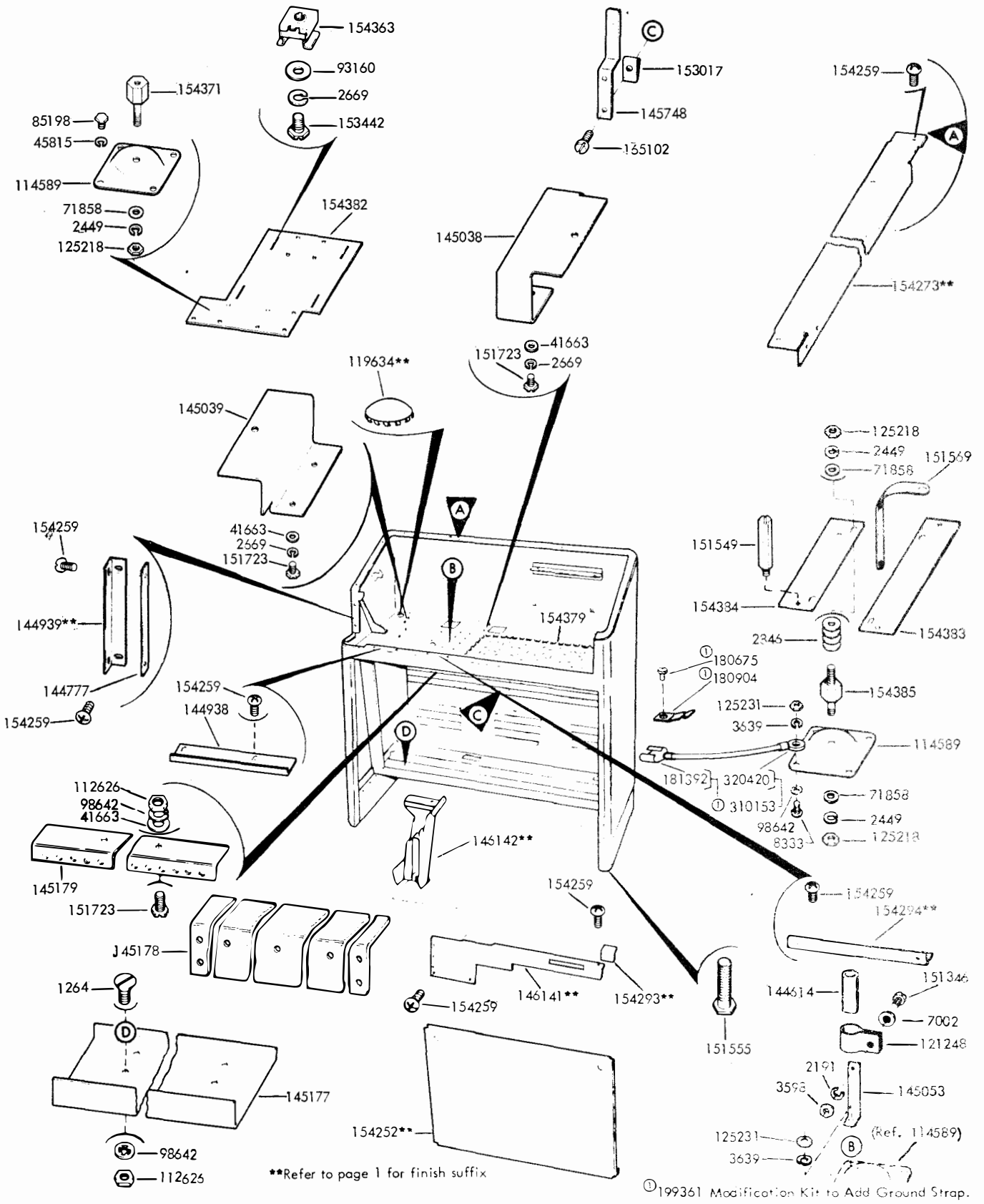


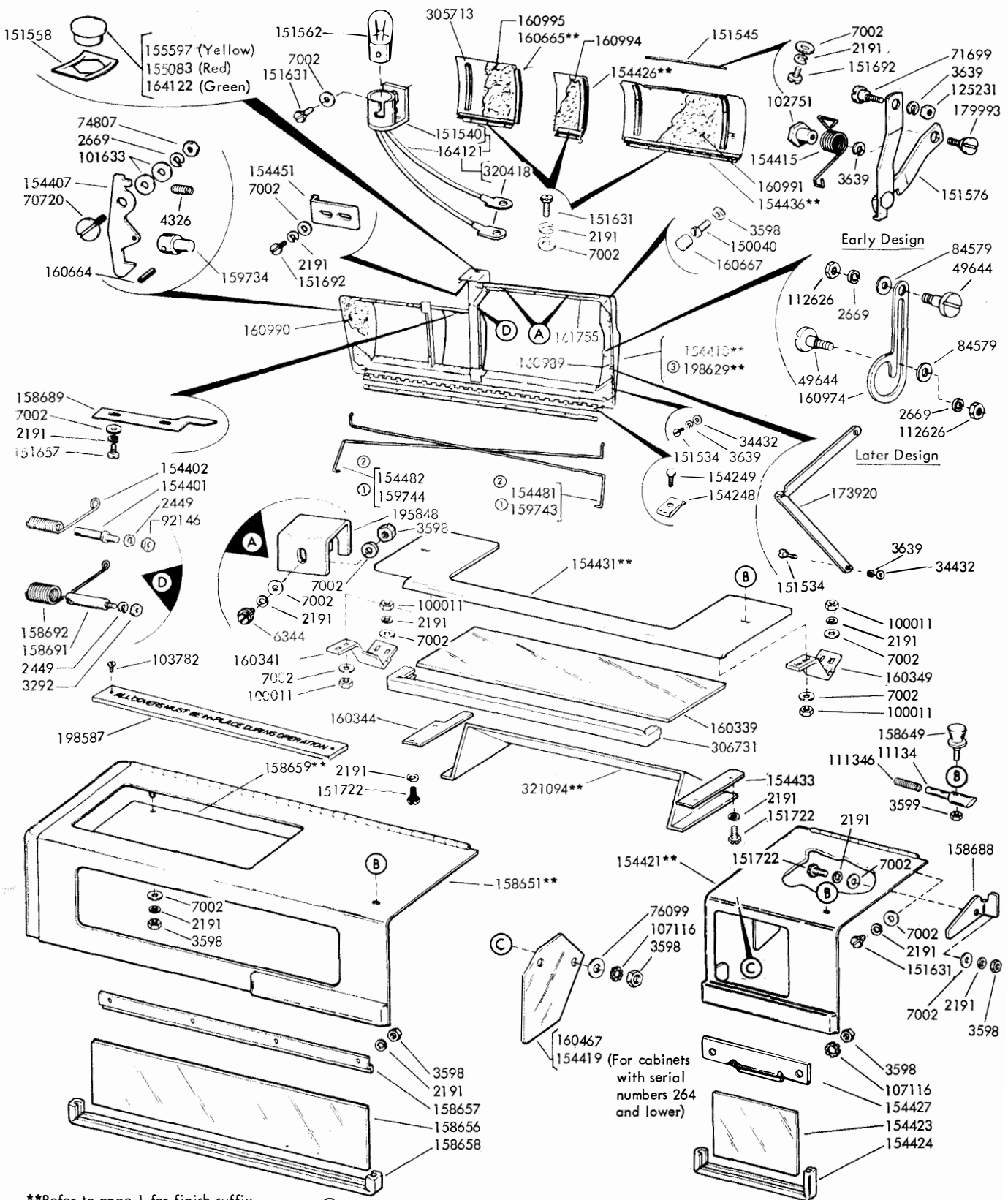
FIGURE 3. CABINET BASE PARTS (Continued)



**Refer to page 1 for finish suffix

① 199361 Modification Kit to Add Ground Strap.

FIGURE 4. CABINET BASE TO ACCOMMODATE PULL-BACK TRANSMITTER



**Refer to page 1 for finish suffix
 ① Peculiar to Special Purpose Cabinets ② Peculiar to General Purpose Cabinets ③ Has Provision for Mounting 198598 Guide (See Fig 56)

FIGURE 5. CABINET DOME, LATCHES AND DOORS

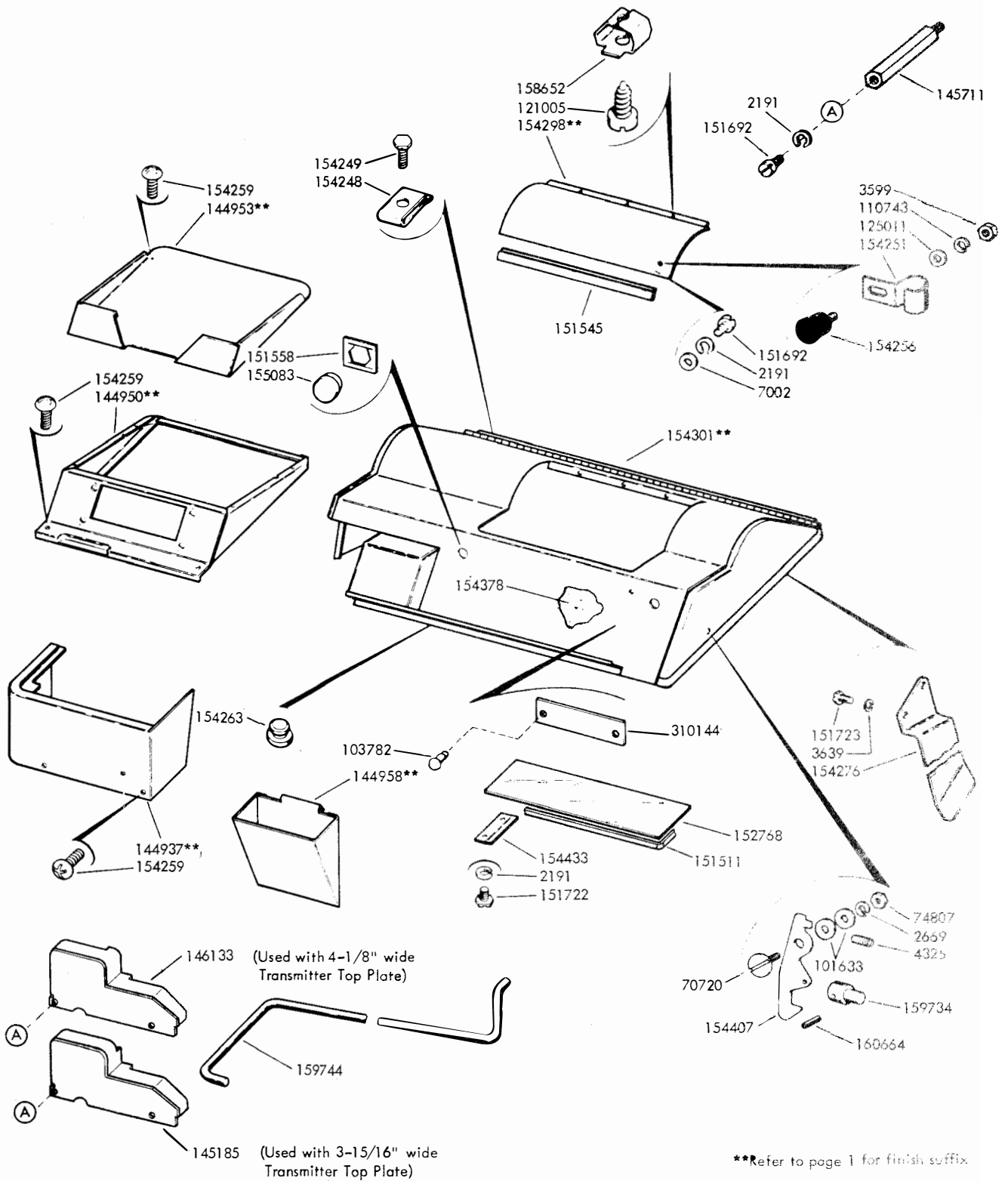


FIGURE 6. CABINET DOME TO ACCOMMODATE PULL-BACK TRANSMITTER

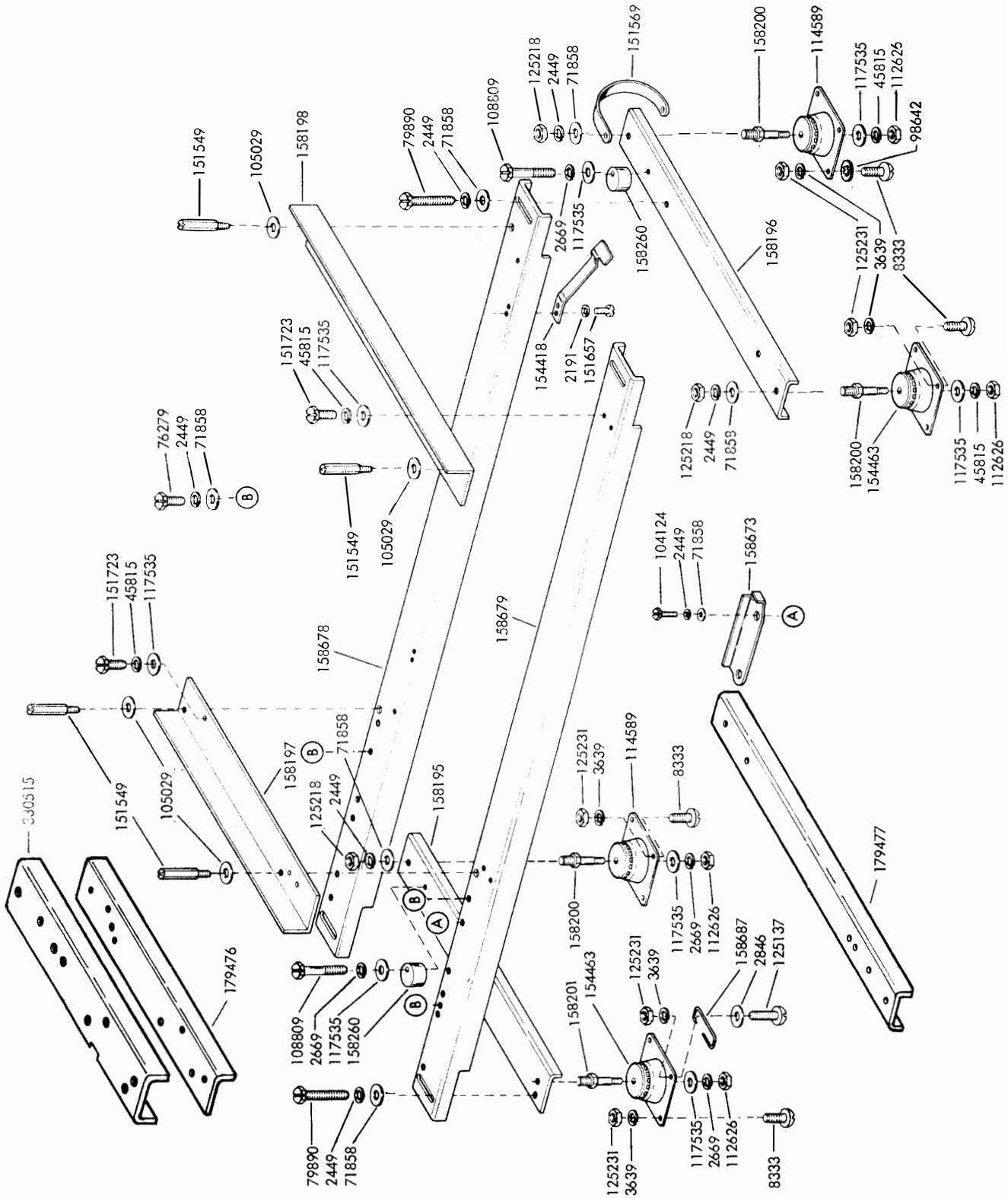
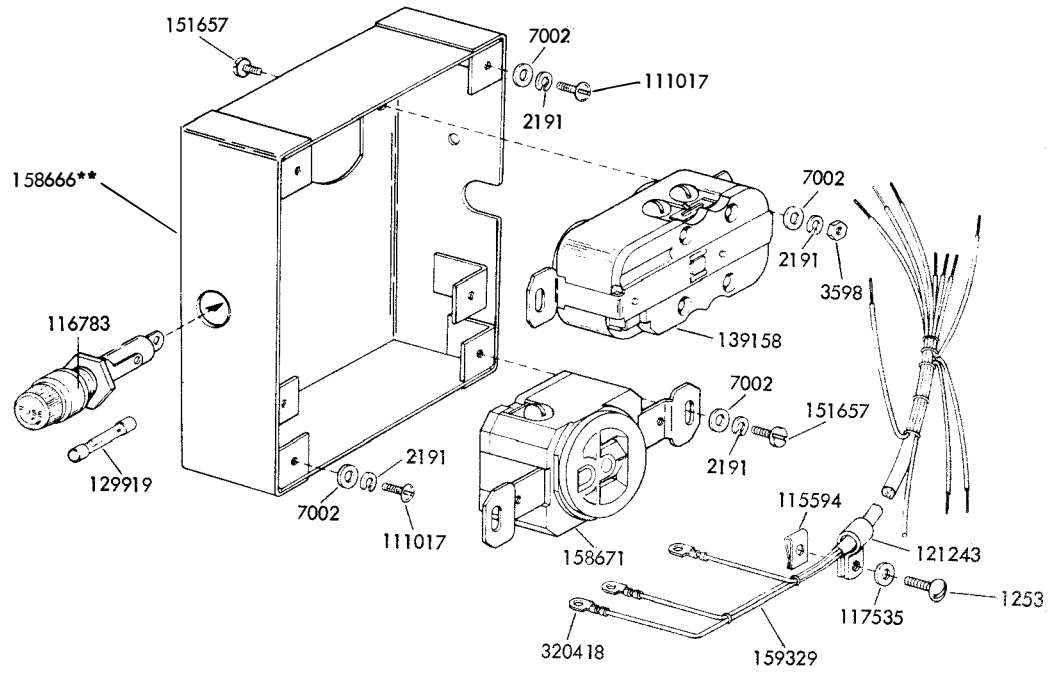


FIGURE 7. CRADLE ASSEMBLY



**Refer to page 1 for finish suffix

FIGURE 8. RECEPTACLE CONNECTORS AND OUTLET BOX

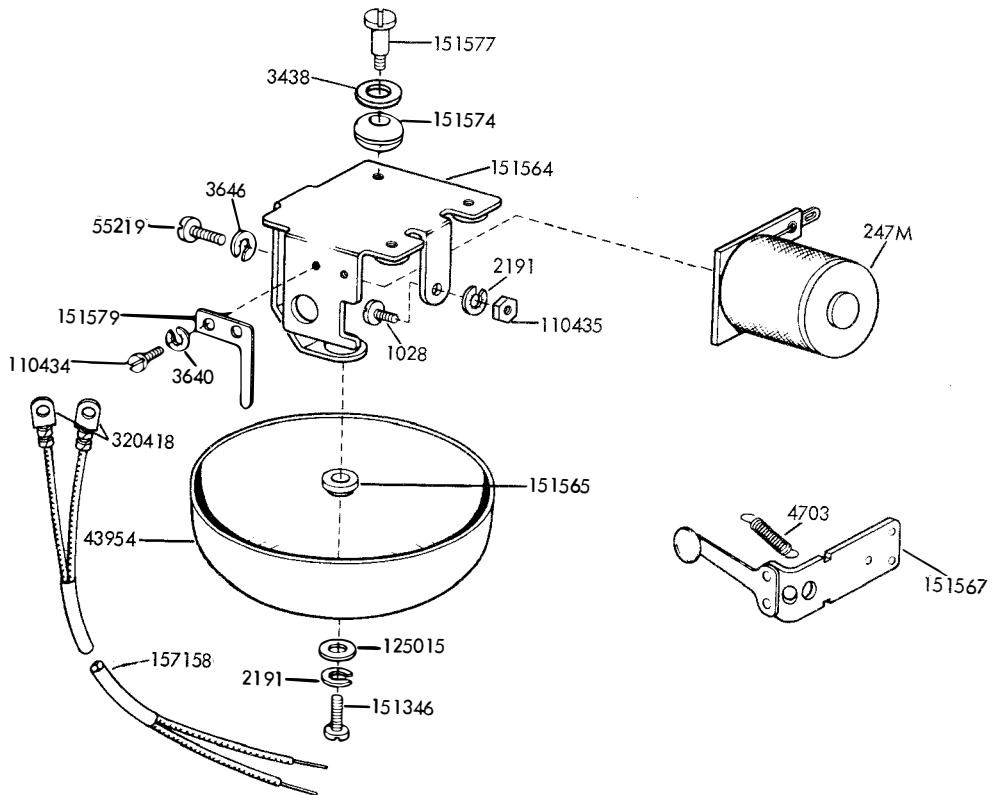


FIGURE 9. 151560 SIGNAL BELL ASSEMBLY

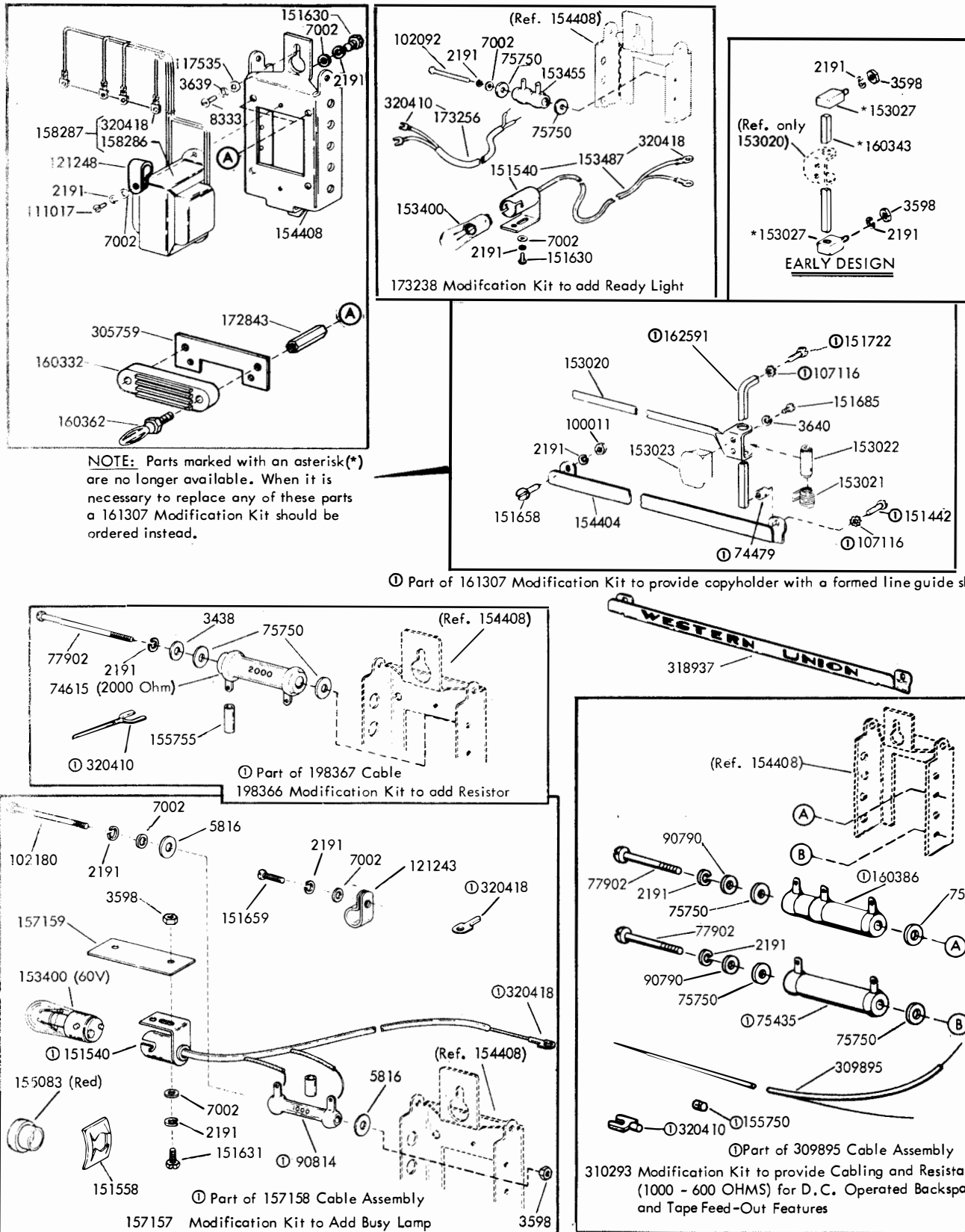


FIGURE 10. MODIFICATION KITS TO ADD COPYHOLDER, READY LIGHT, BUSY LAMP AND RESISTANCE TO CABINETS

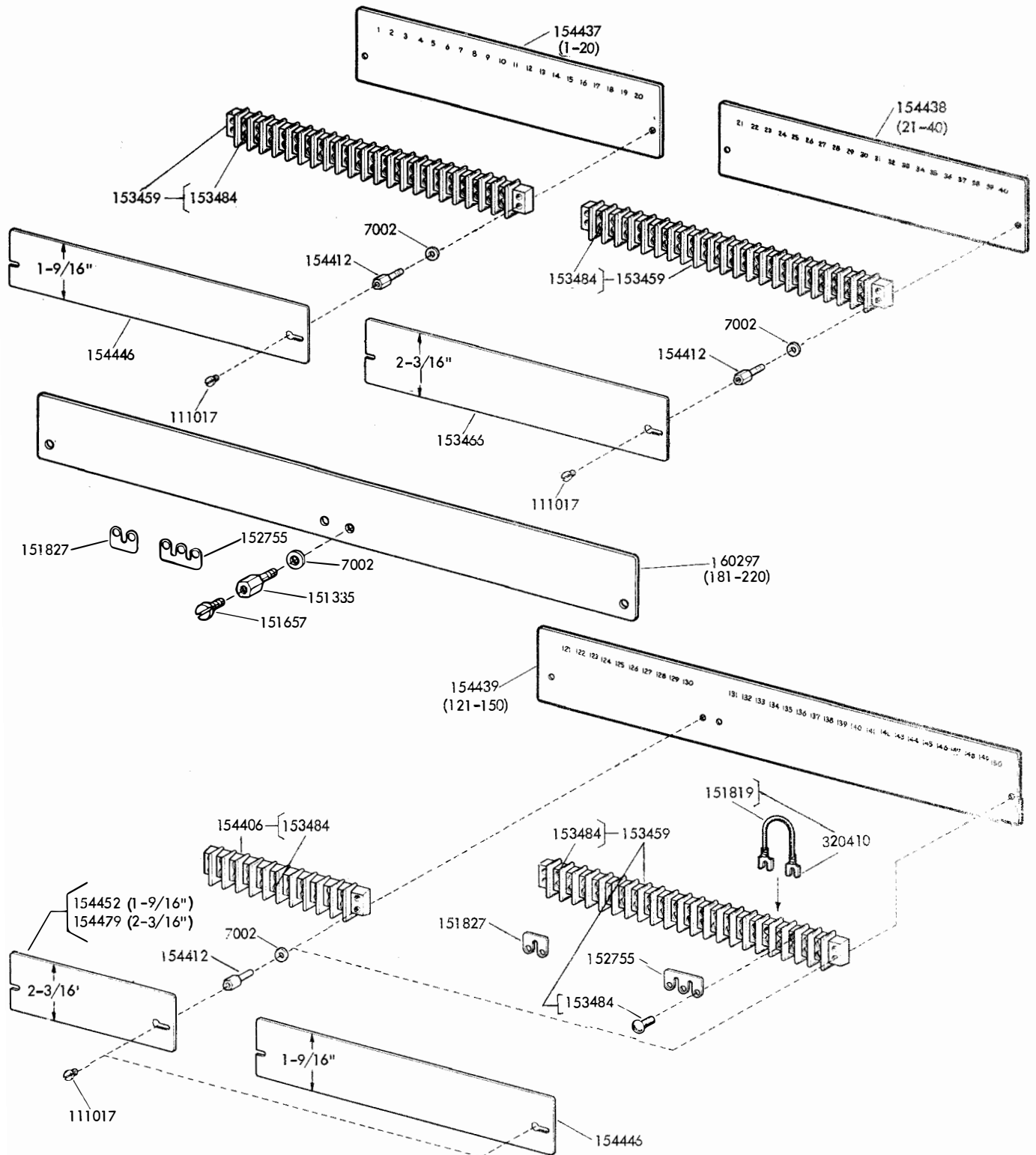


FIGURE 11. TERMINAL BLOCKS

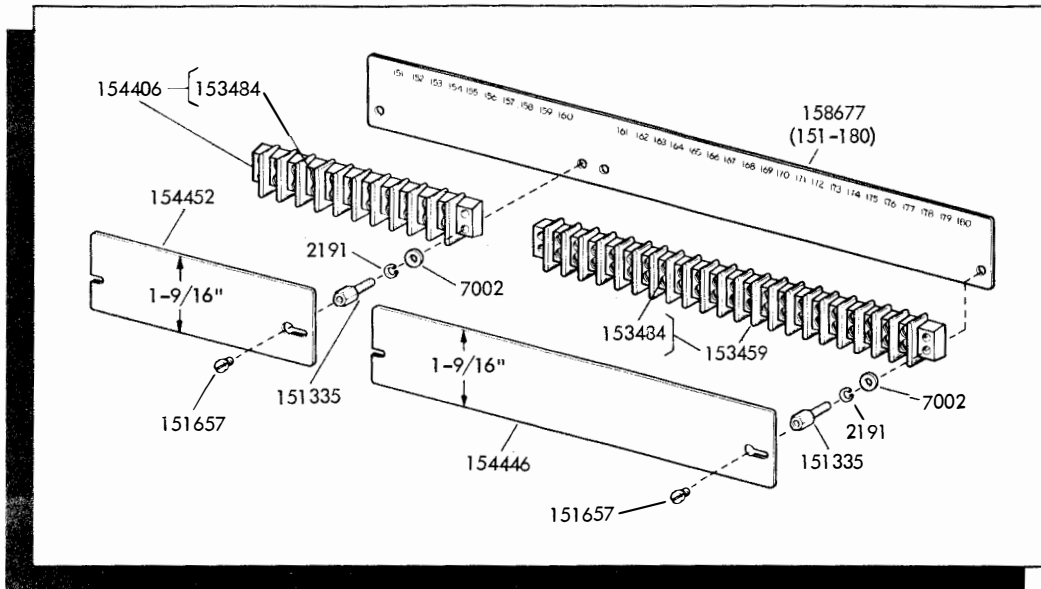


FIGURE 12. 159396 MODIFICATION KIT TO ADD AUXILIARY TERMINAL BLOCKS - TOP ROW LEFT REAR

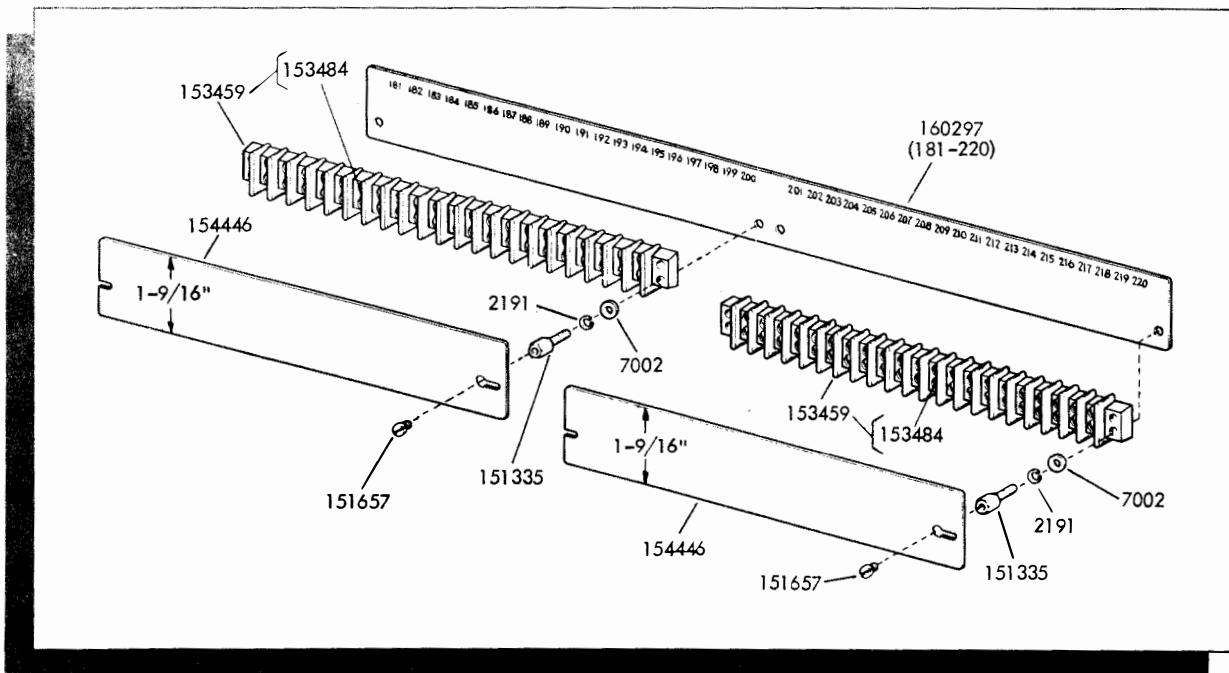


FIGURE 13. 159384 MODIFICATION KIT TO ADD AUXILIARY TERMINAL BLOCKS - TOP ROW RIGHT REAR

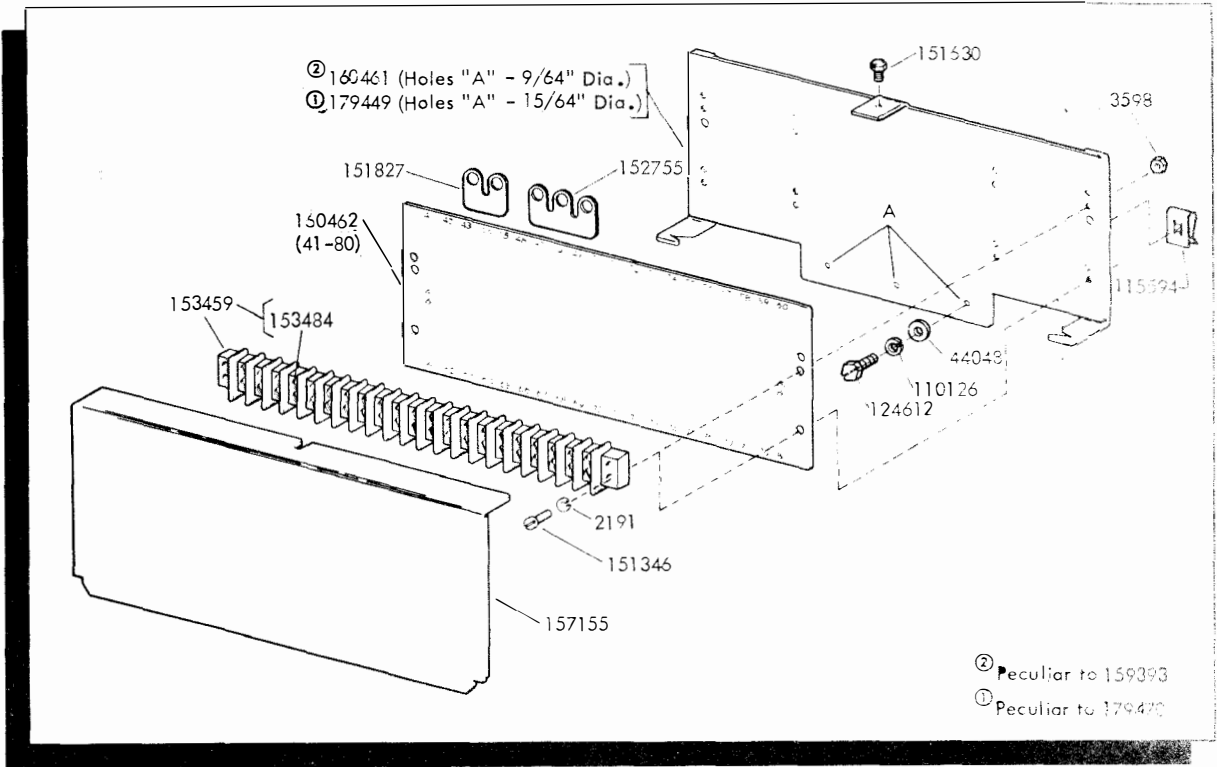


FIGURE 14. 159393 MODIFICATION KIT AND 179470 ASSEMBLY TO ADD AUXILIARY TERMINAL BLOCK - RIGHT SIDE

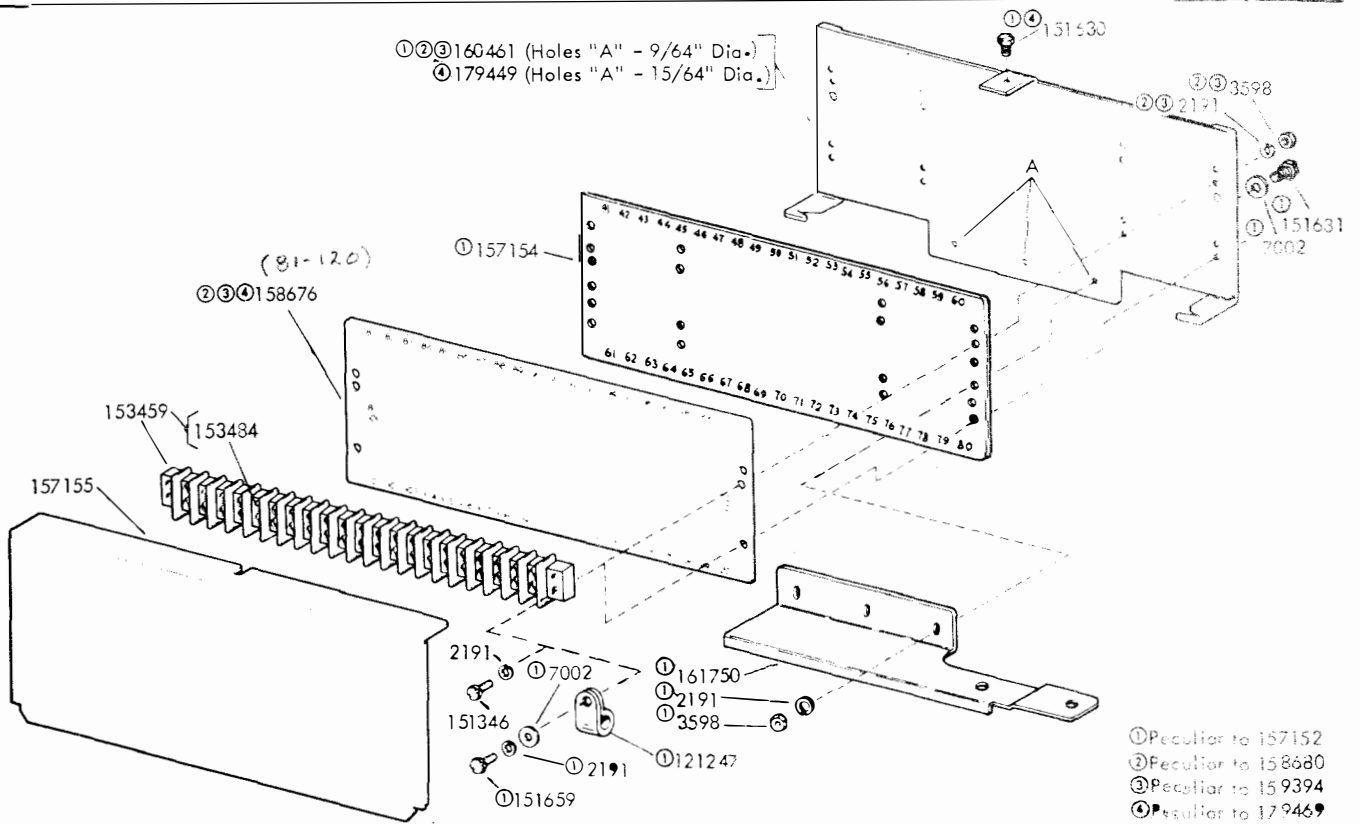
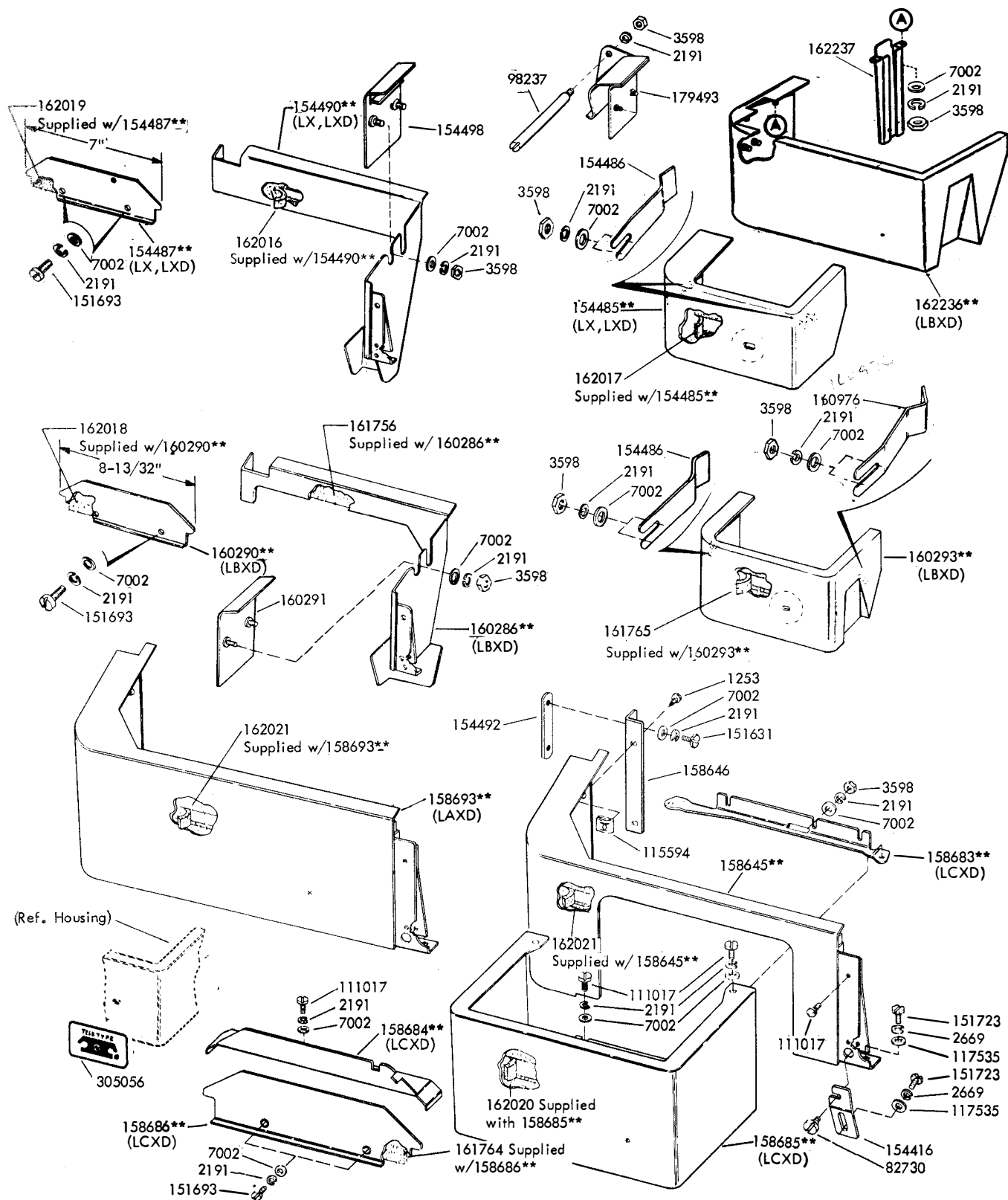


FIGURE 15. 157152, 158680, 159394 AND 179469 MODIFICATION KITS TO ADD TERMINAL BOARDS



**Refer to page 1 for finish suffix

FIGURE 16. TRANSMITTER AND TRANSMITTER DISTRIBUTOR HOUSINGS

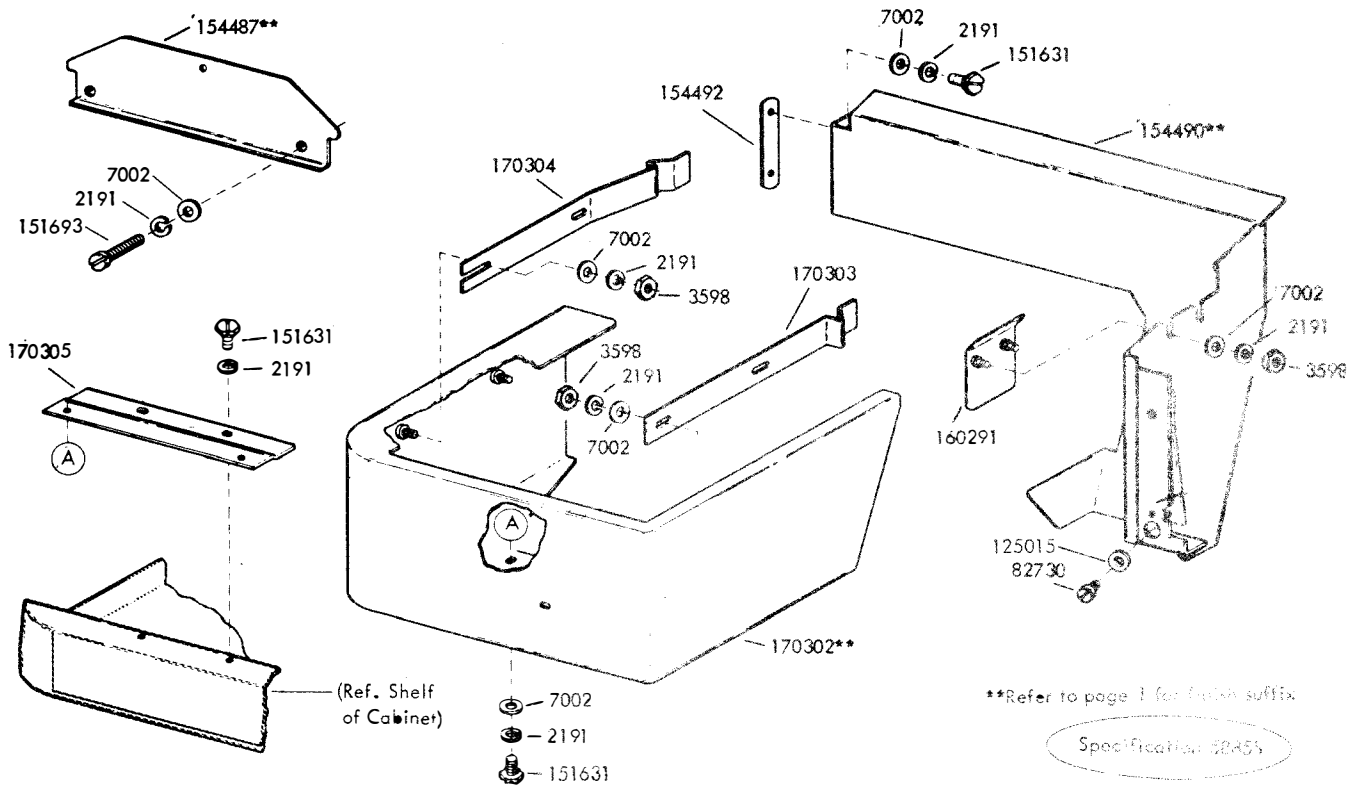


FIGURE 17. 170272** MODIFICATION KIT TO PROVIDE DUAL TRANSMITTER DISTRIBUTOR HOUSING

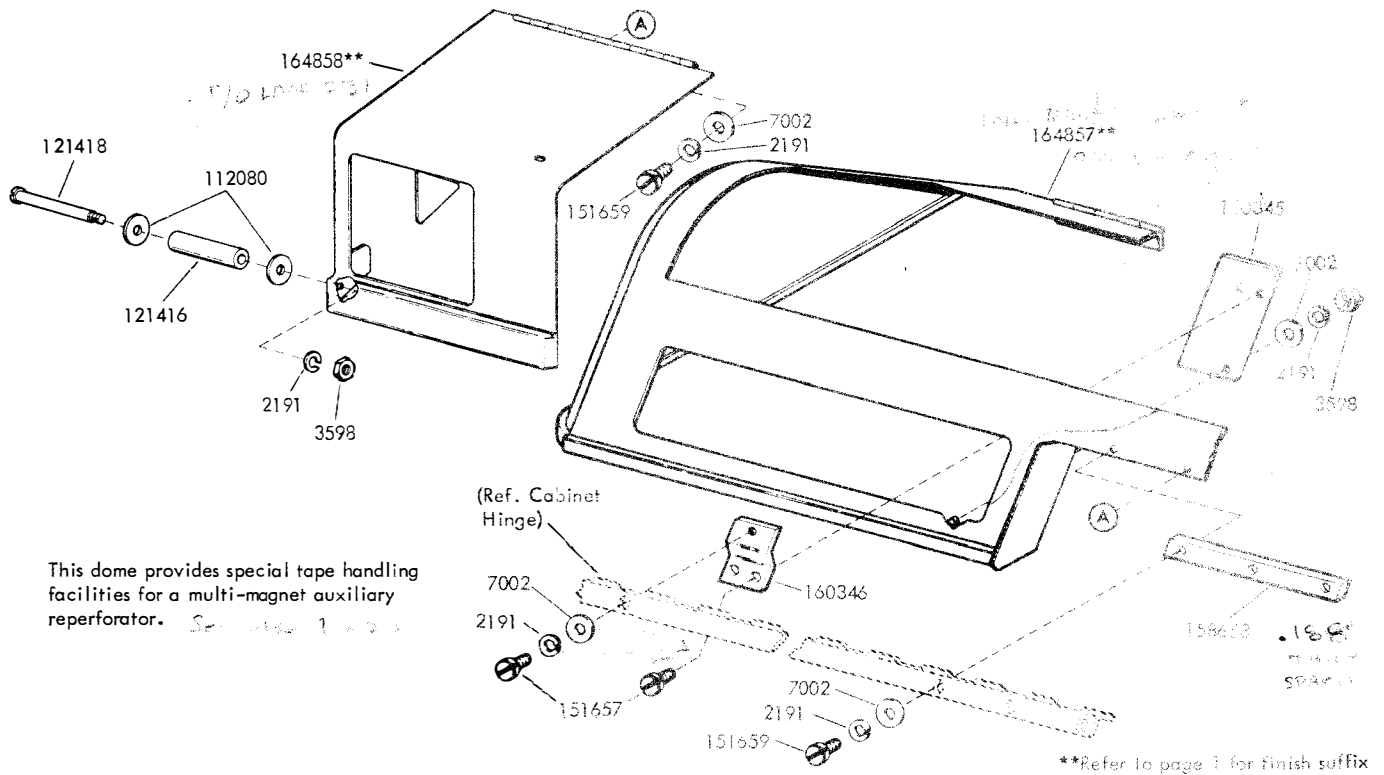


FIGURE 18. CABINET DOME VARIABLE FEATURES

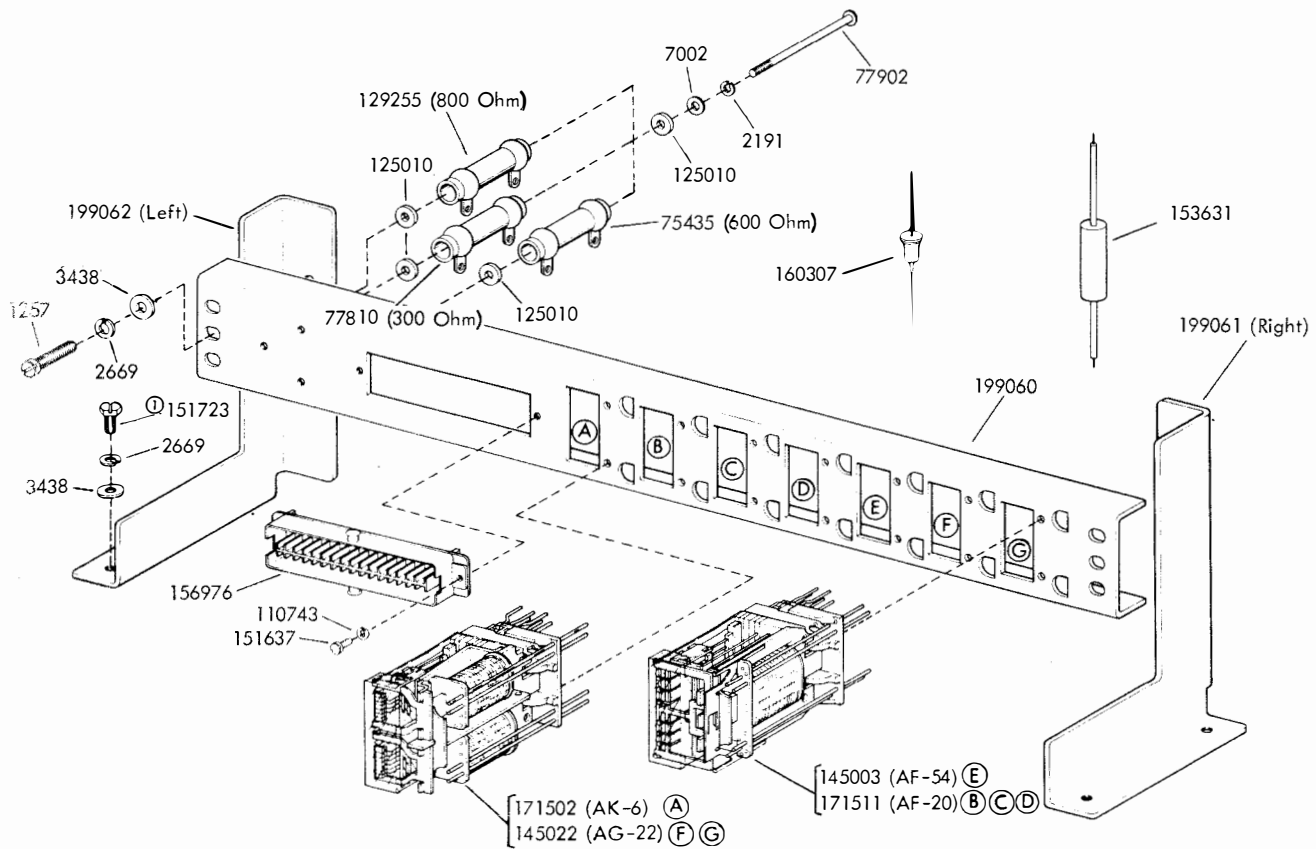


FIGURE 19. 198364 RELAY ASSEMBLY

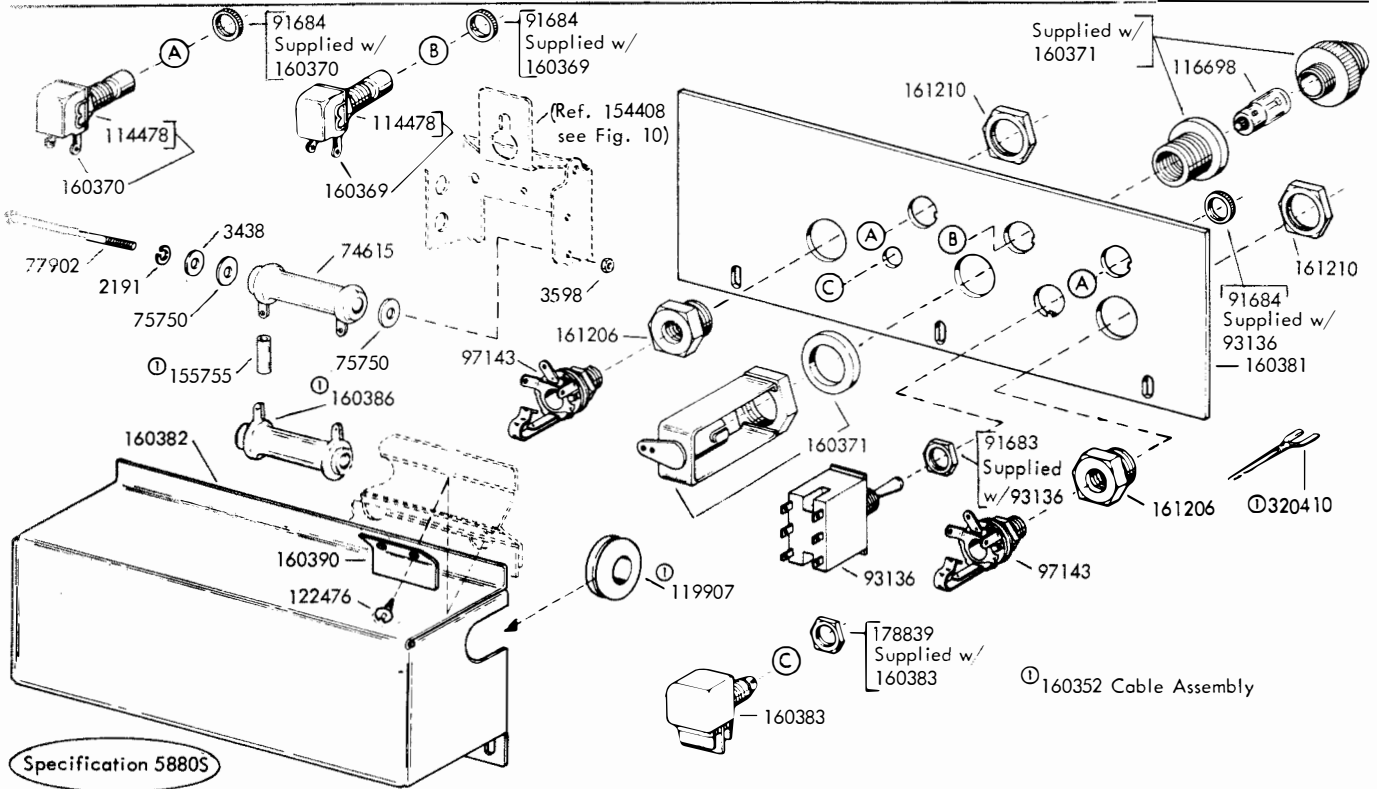
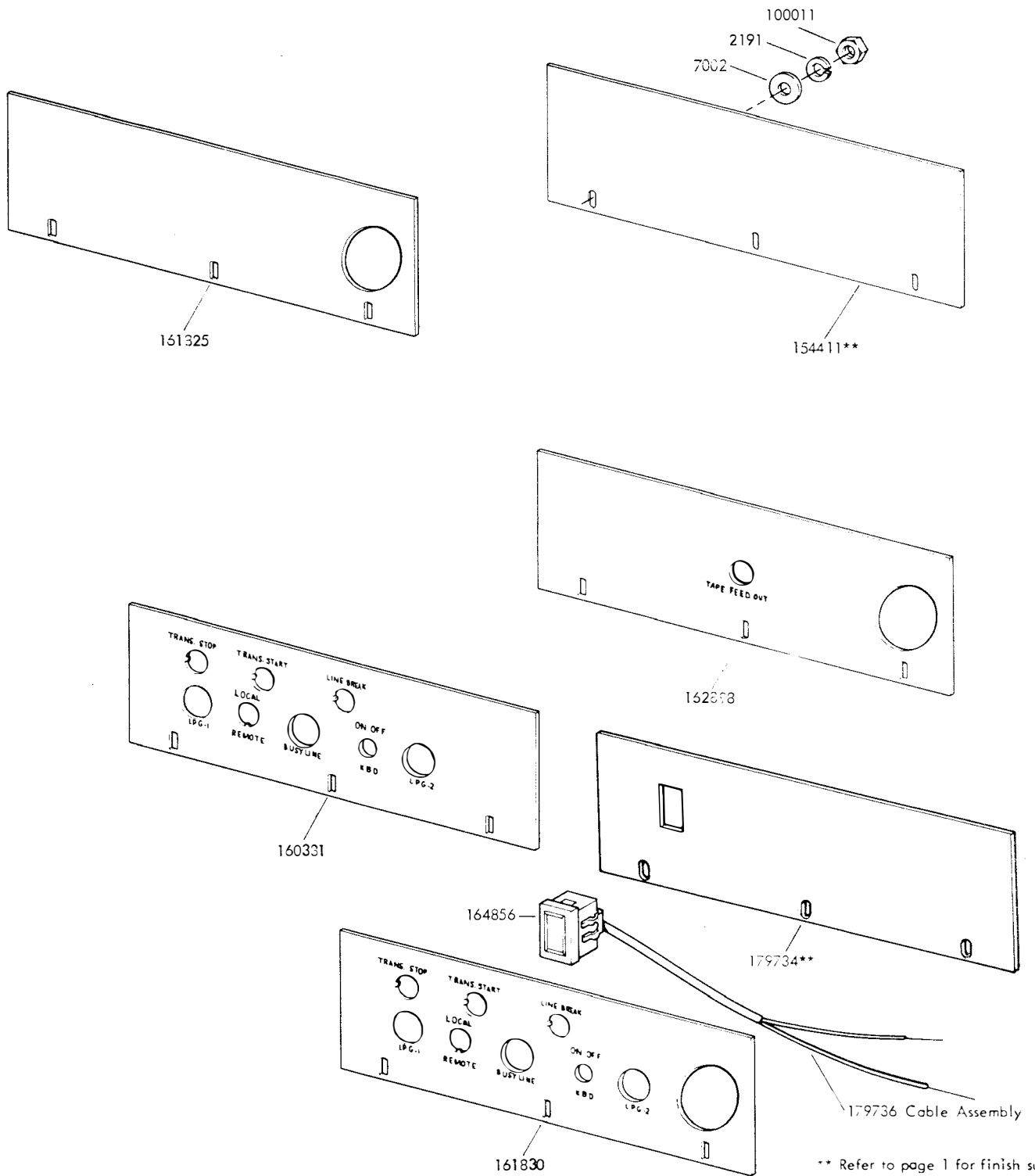


FIGURE 20. 160335 MODIFICATION KIT TO PROVIDE CONTROL PANEL FOR TRANSMITTER DISTRIBUTOR



** Refer to page 1 for finish suffix

FIGURE 21. CONTROL PANELS

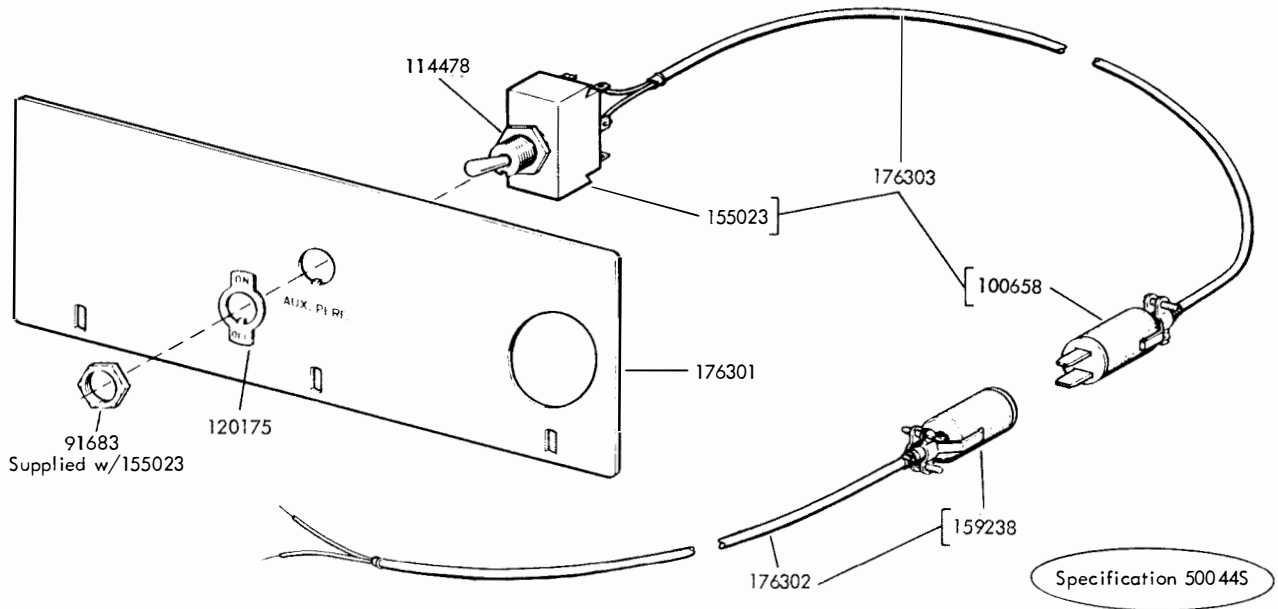


FIGURE 22. 176300 MODIFICATION KIT TO PROVIDE AUXILIARY REPERFORATOR MOTOR CONTROL PANEL

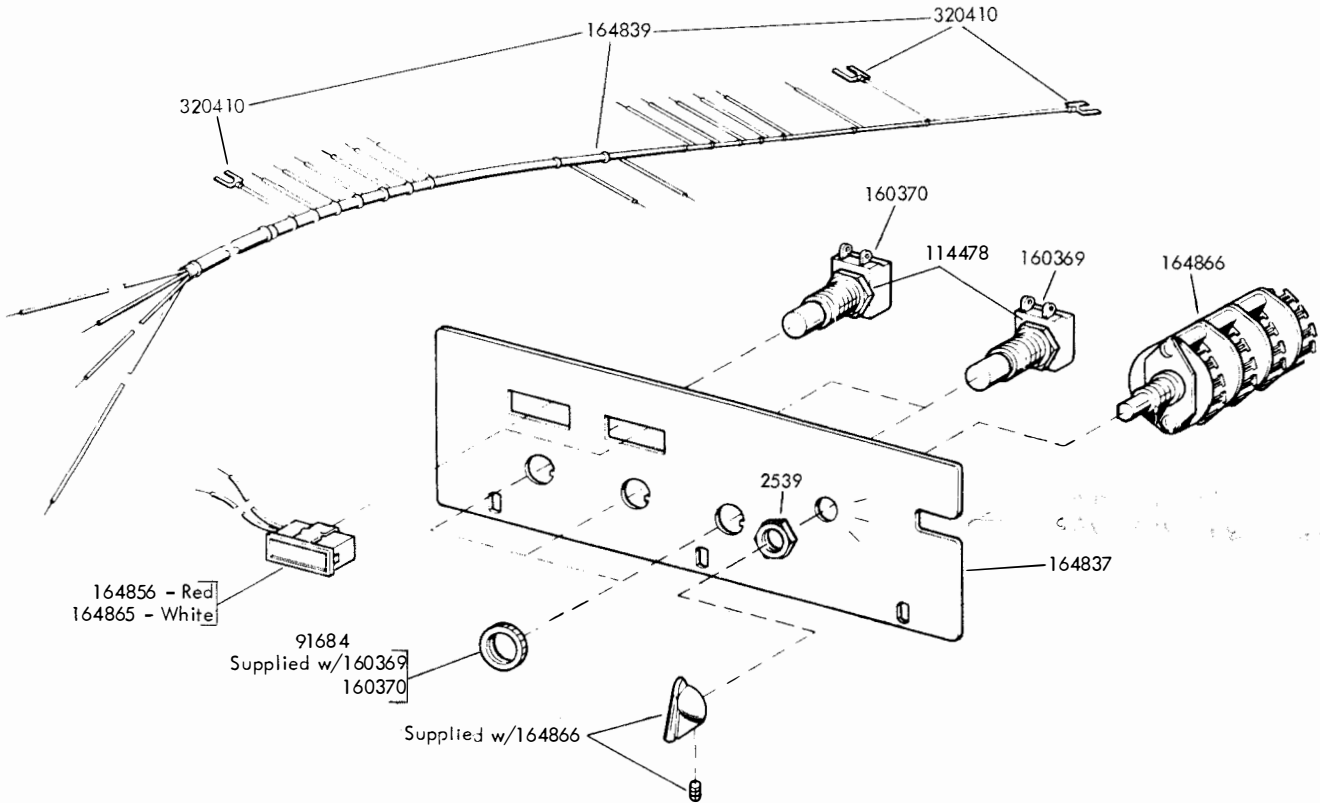
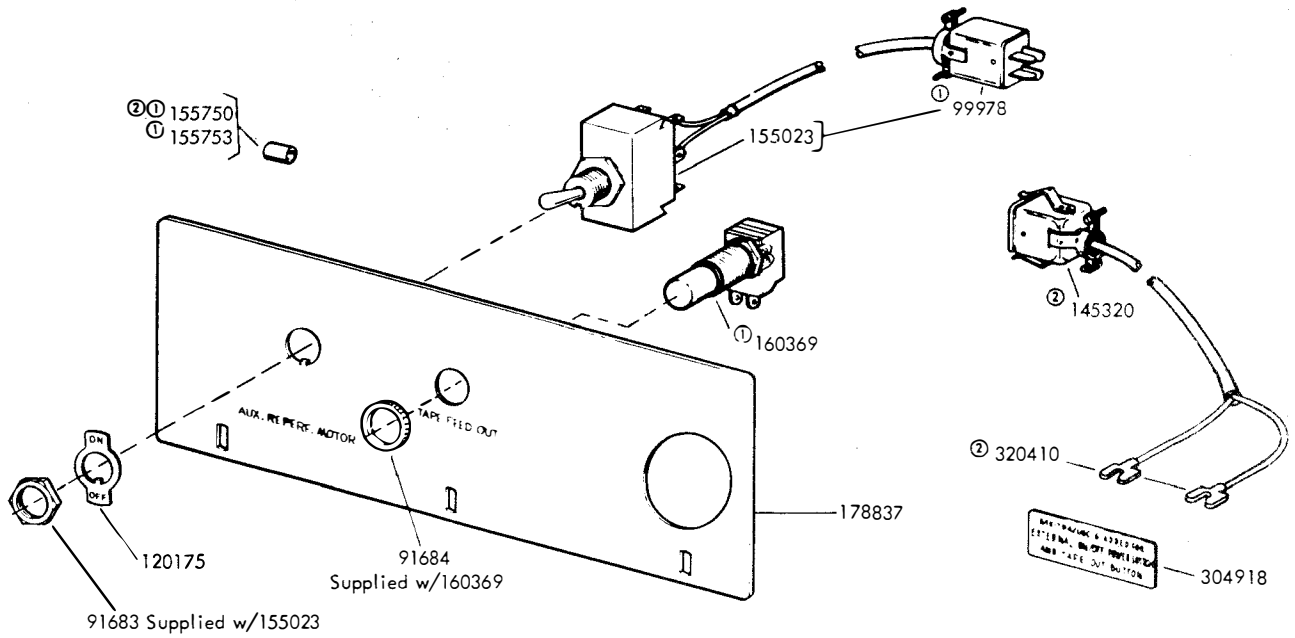


FIGURE 23. 164838 CONTROL PANEL ASSEMBLY



- ① 312475 Cable Assembly
- ② 312476 Cable Assembly

FIGURE 24. 178838 MODIFICATION KIT TO RELOCATE POWER SWITCH FROM AUXILIARY BASE TO OUTSIDE OF CABINET

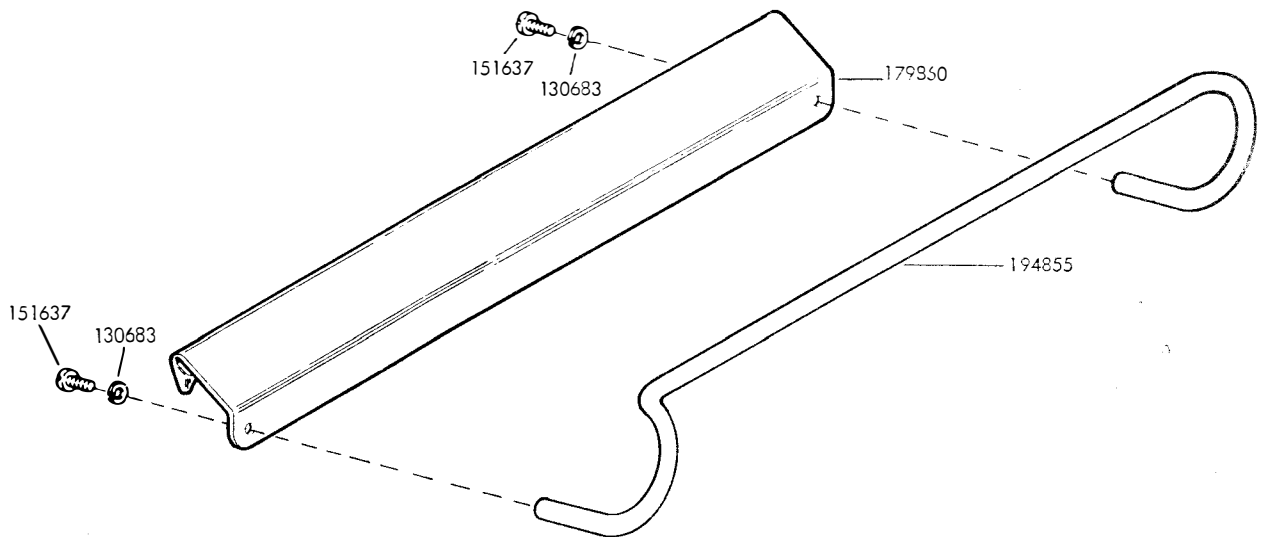


FIGURE 25. 194861 MODIFICATION KIT TO PROVIDE TAPE GUIDE

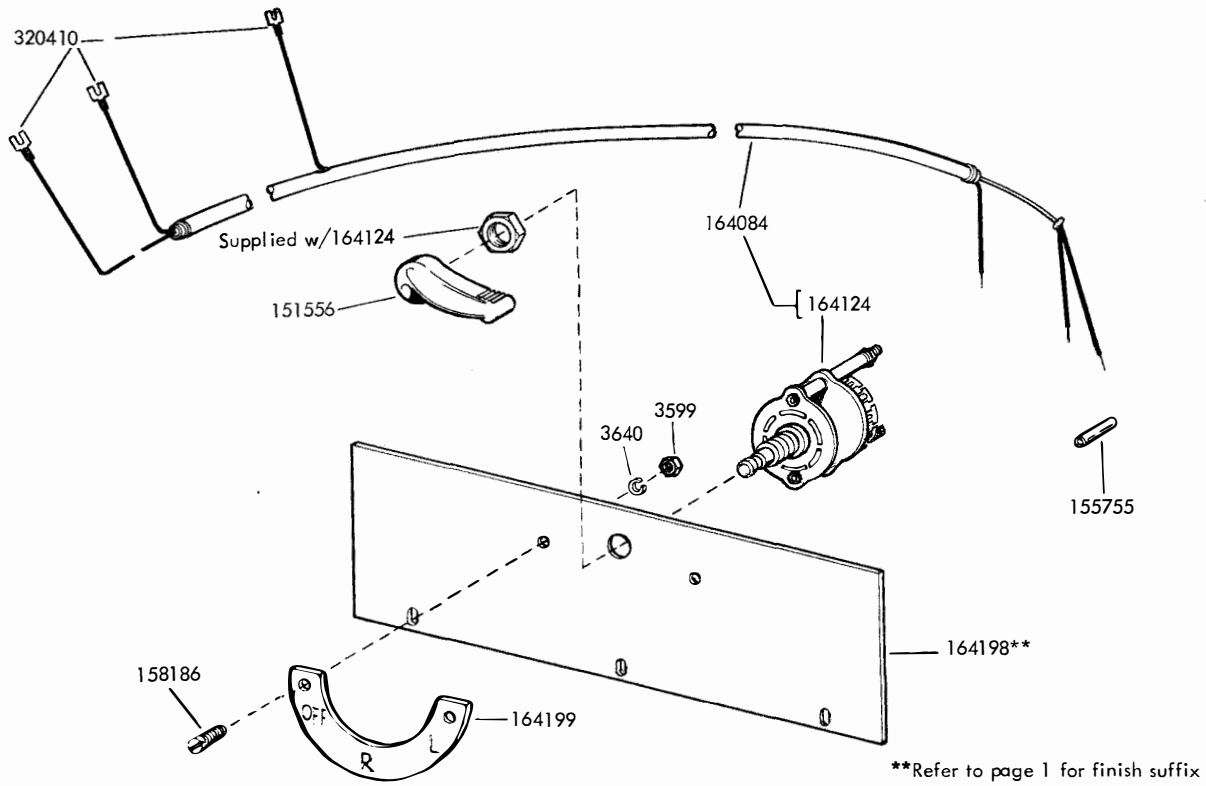


FIGURE 26. 164197** MODIFICATION KIT TO PROVIDE CONTROL PANEL

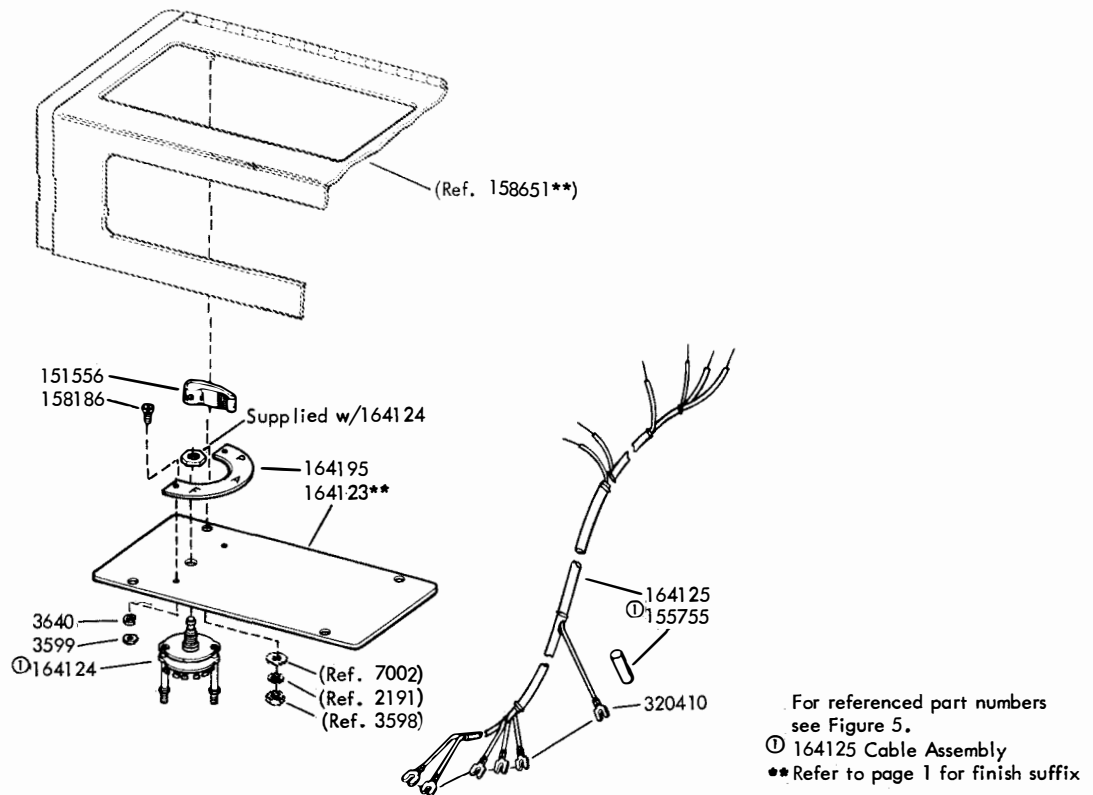


FIGURE 27. 164120** MODIFICATION KIT TO PROVIDE CONTROL PANEL

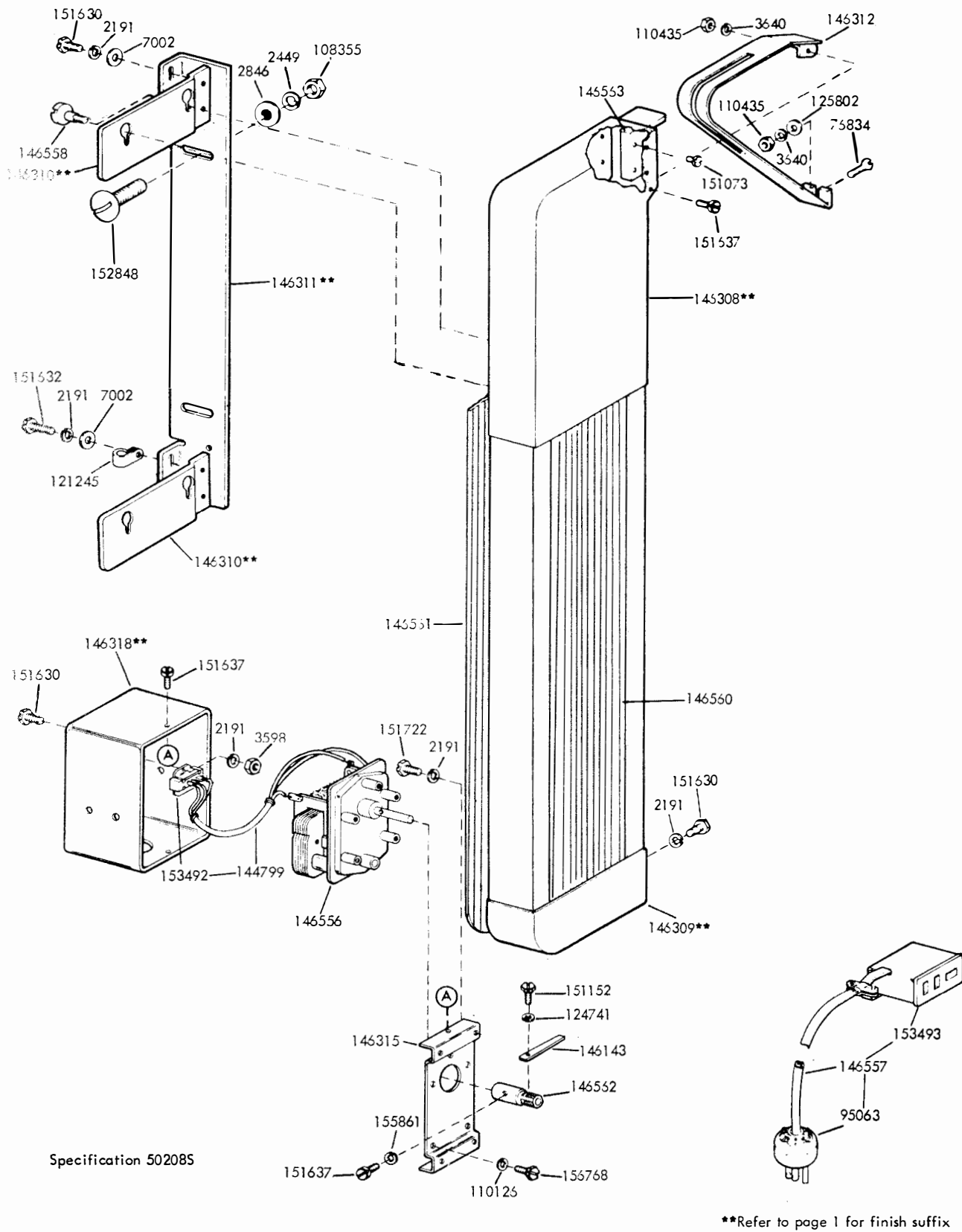


FIGURE 29. 145898** MODIFICATION KIT TO PROVIDE A TAPE BIN FOR STORED TAPE OF A MESSAGE IN TRANSMISSION

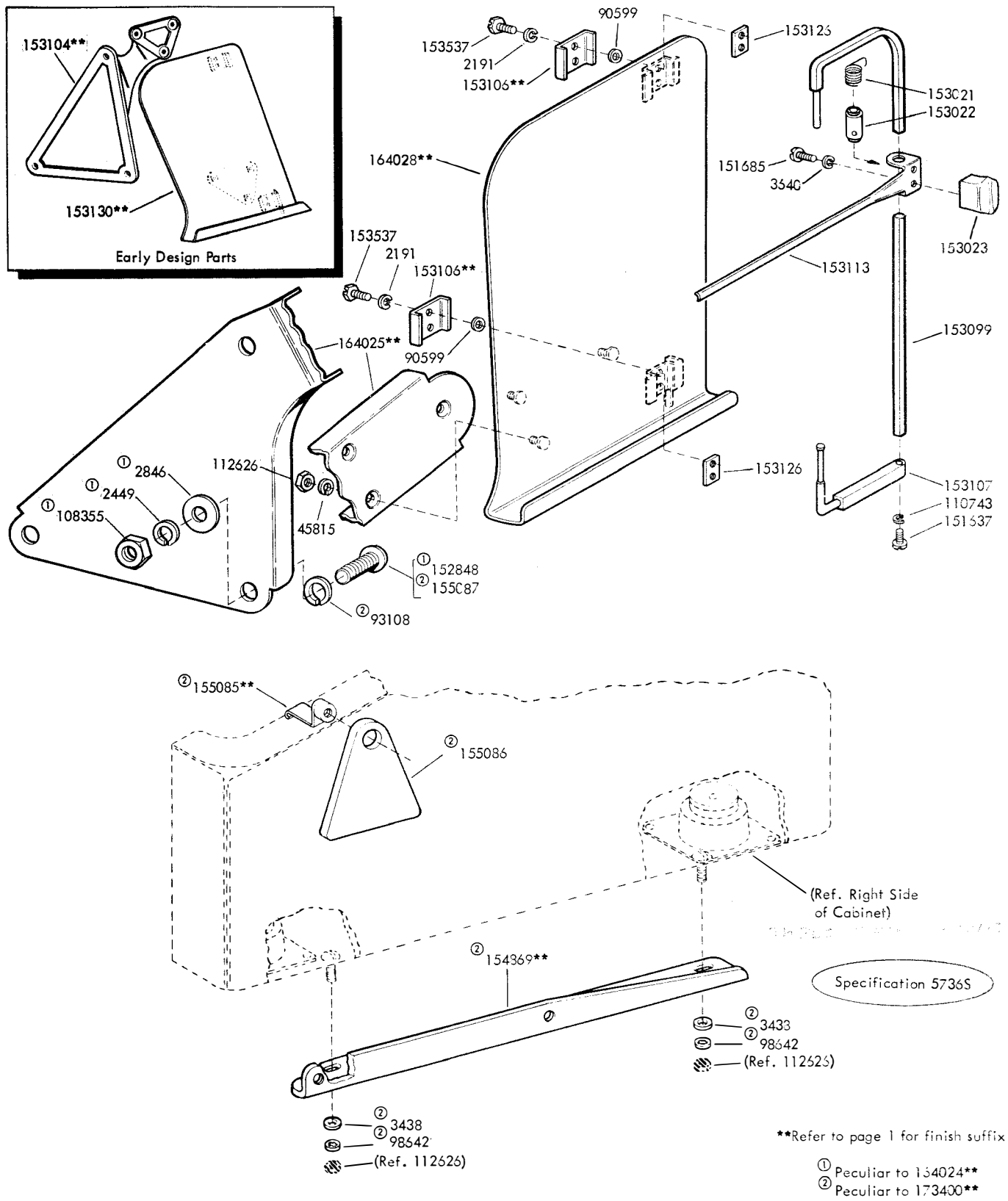
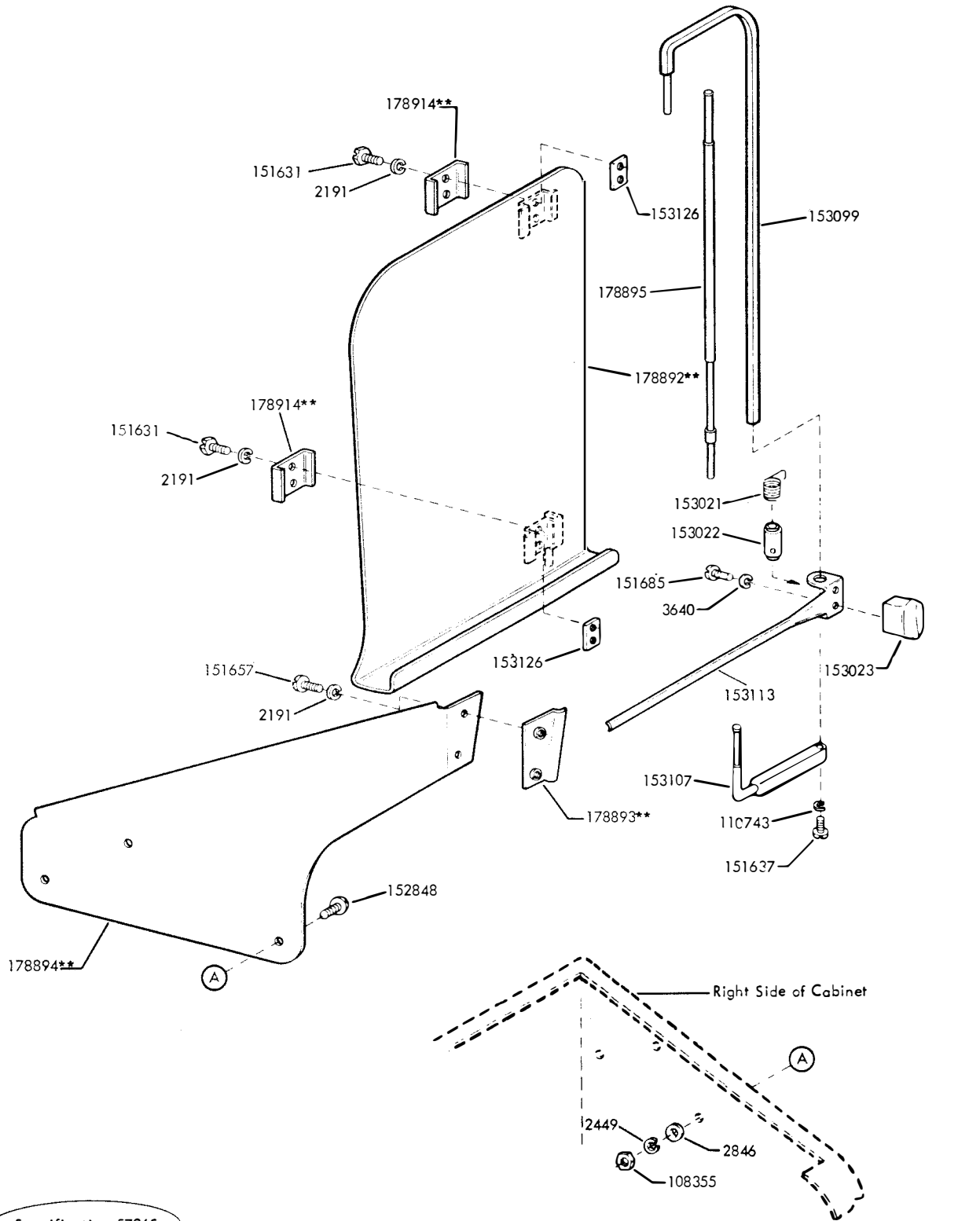


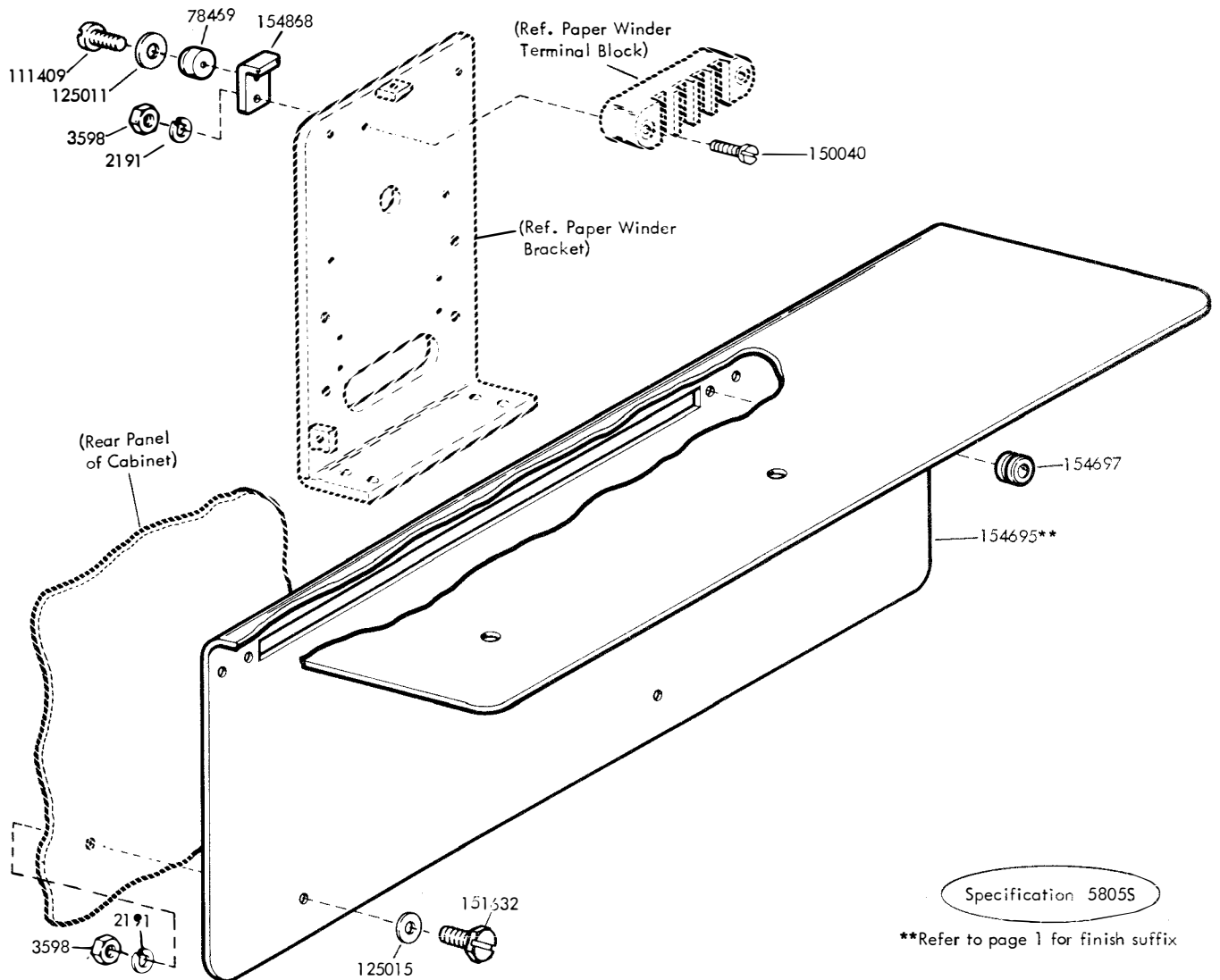
FIGURE 30. 164024** (FOR FLOOR MODEL) AND 173400** (FOR TABLE MODEL) MODIFICATION KITS TO PROVIDE OFFSET COPYHOLDER



Specification 57365

**Refer to page 1 for finish suffix

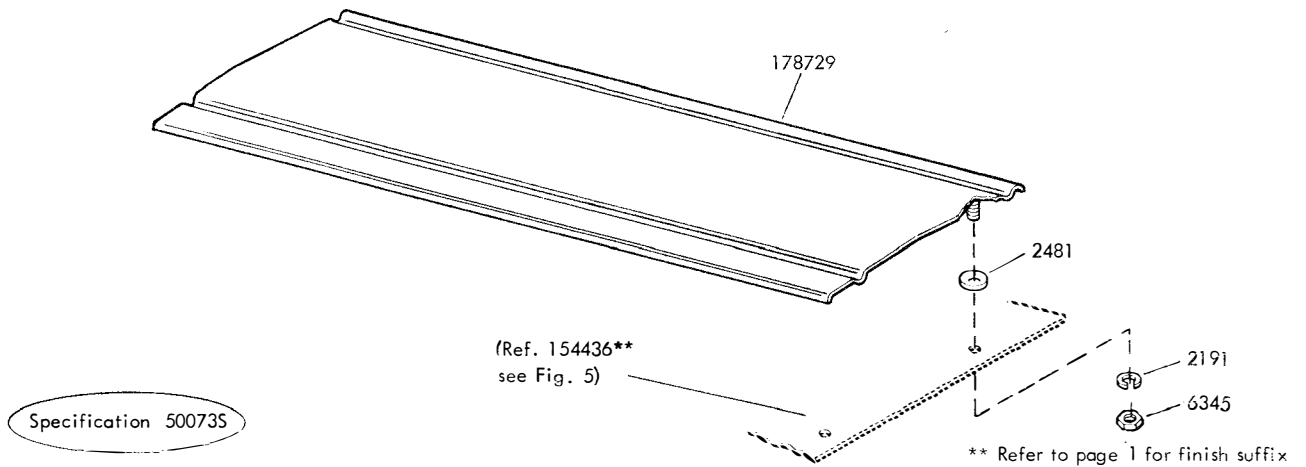
FIGURE 31. 178897** MODIFICATION KIT TO PROVIDE A PIVOTED OFFSET COPYHOLDER FOR FLOOR MODEL CABINET



Specification 5805S

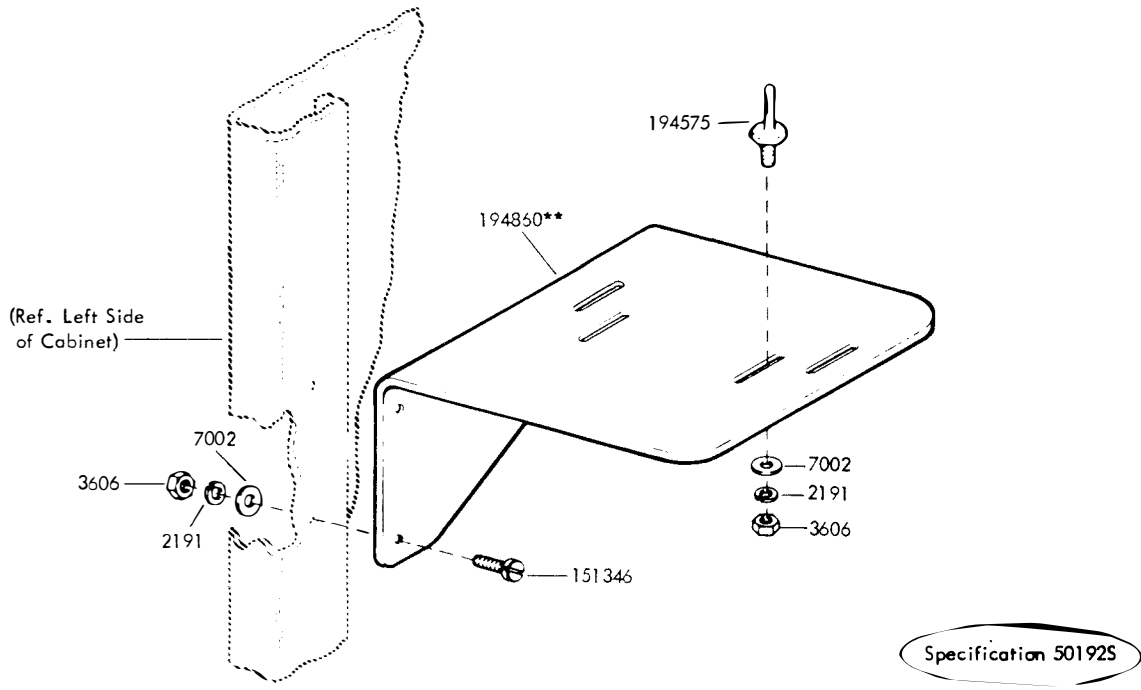
**Refer to page 1 for finish suffix

FIGURE 32. 153901** MODIFICATION KIT TO PROVIDE A SHELF FOR MOUNTING A PAPER WINDER TO CABINET



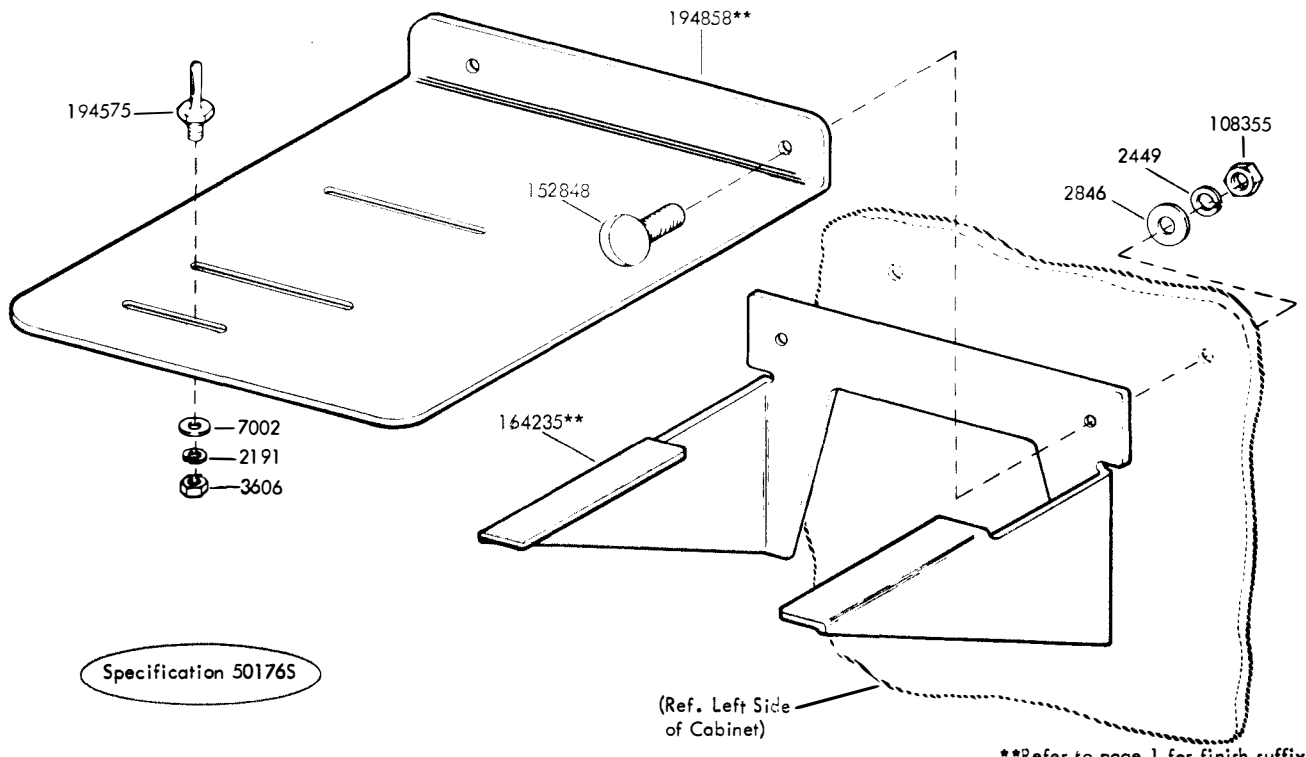
** Refer to page 1 for finish suffix

FIGURE 33. 174458** MODIFICATION KIT TO PROVIDE CABINET WITH A PAPER TEARING PLATE



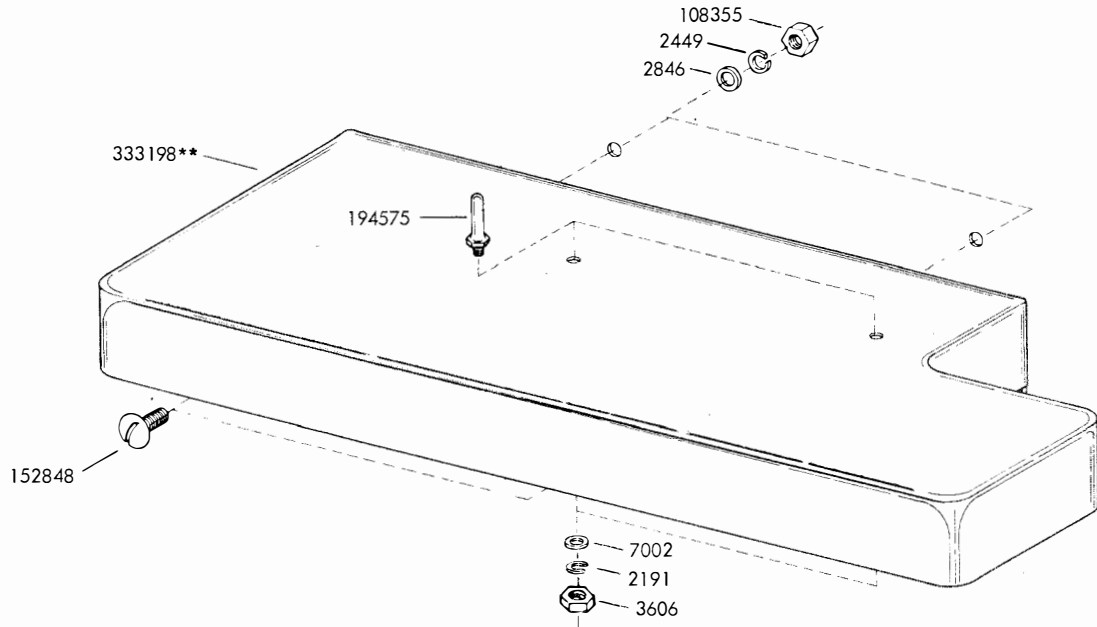
**Refer to page 1 for finish suffix

FIGURE 34. 194859** MODIFICATION KIT TO PROVIDE SHELF FOR TAPE WINDER OR TAPE UNWINDER



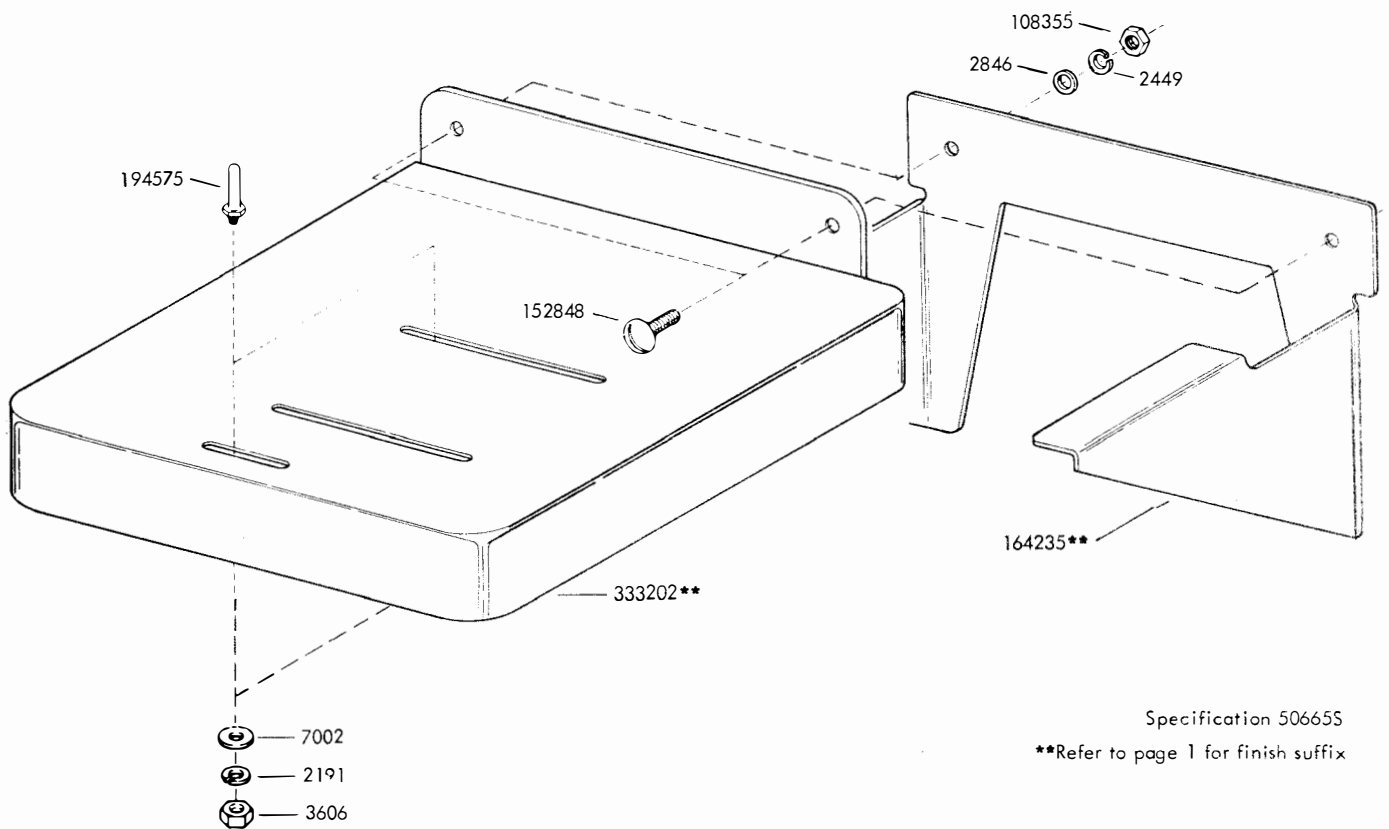
**Refer to page 1 for finish suffix

FIGURE 35. 194857** MODIFICATION KIT TO PROVIDE SHELF FOR SINGLE REEL TAPE WINDER



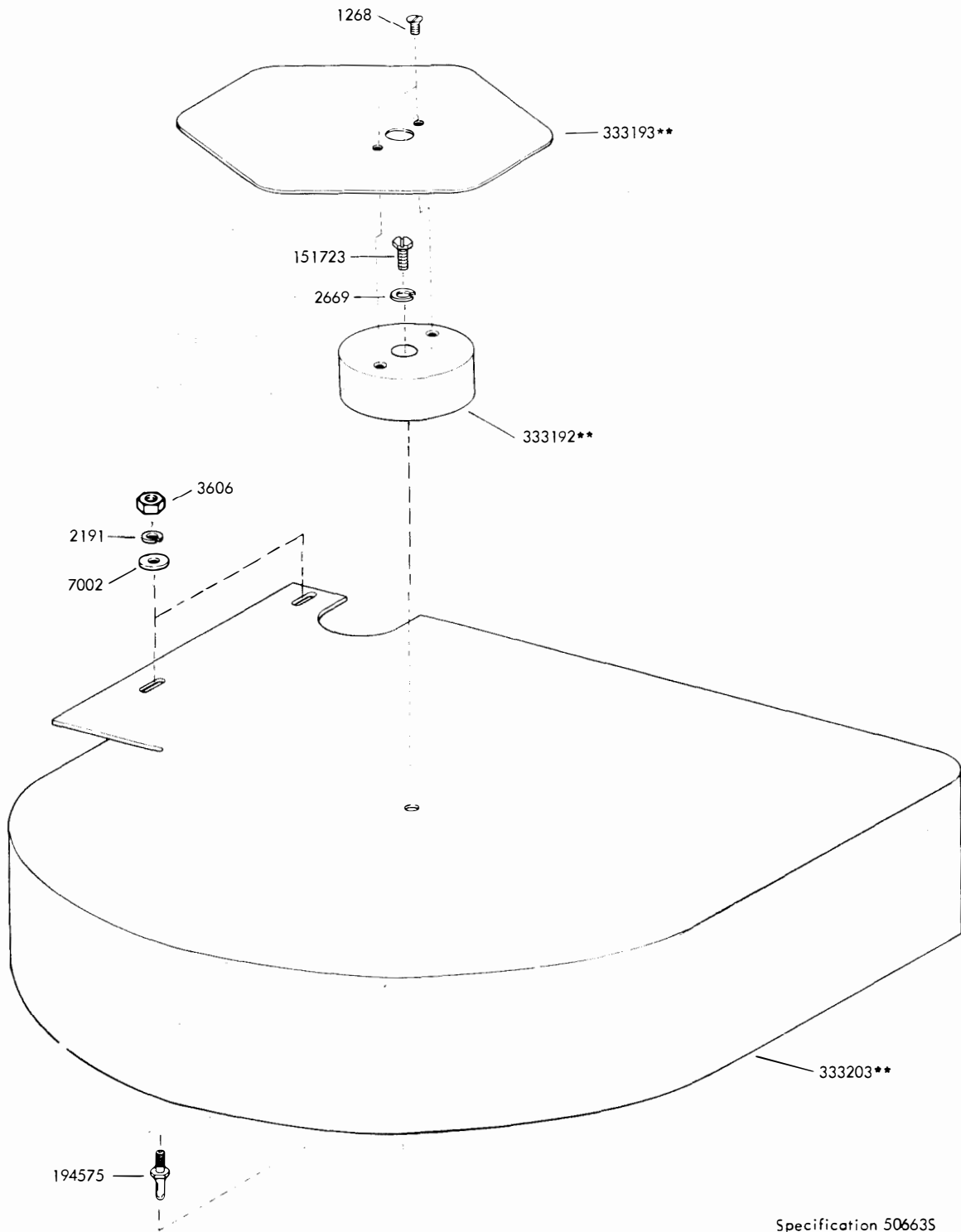
**Refer to page 1 for finish suffix
Specification 506645

FIGURE 36. 321582 ** MODIFICATION KIT TO PROVIDE MOUNTING SHELF FOR SINGLE REEL TAPE WINDER



Specification 50665S
**Refer to page 1 for finish suffix

FIGURE 37. 321583 ** MODIFICATION KIT TO PROVIDE MOUNTING SHELF FOR THE SINGLE REEL TAPE WINDER



Specification 506635

**Refer to page 1 for finish suffix

FIGURE 38. 321581** MODIFICATION KIT TO PROVIDE SHELF FOR CENTER UNWINDER

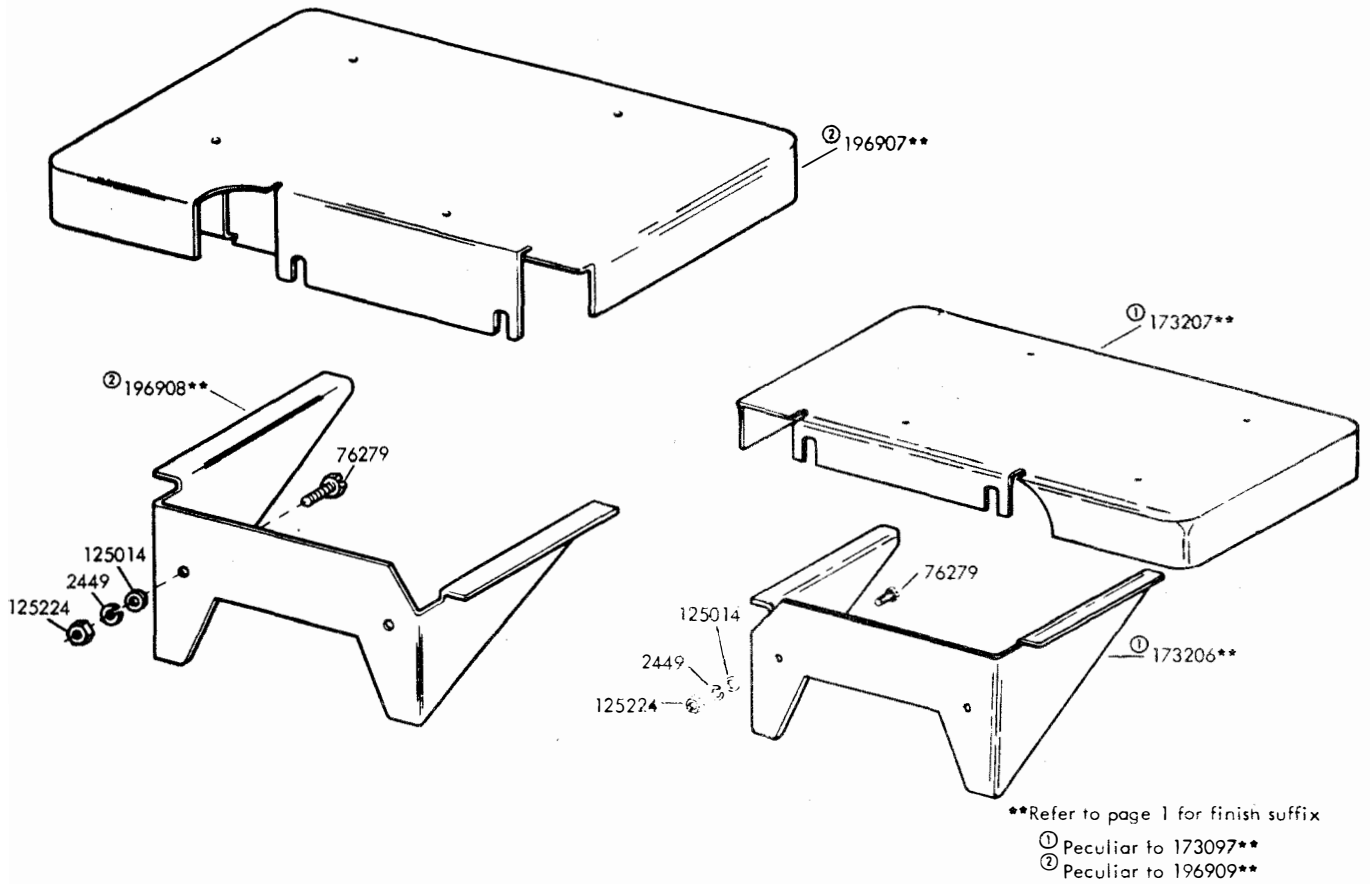
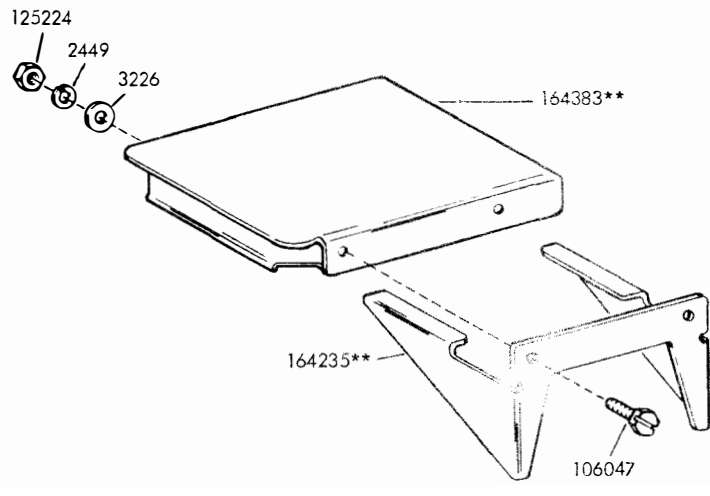


FIGURE 39. 173097** (LEFT) AND 196909** (RIGHT) MODIFICATION KITS TO PROVIDE MOUNTING SHELF FOR LEFT AND RIGHT SIDE OF CABINET



**Refer to page 1 for finish suffix

FIGURE 40. 163796** MODIFICATION KIT TO PROVIDE TELEPHONE MOUNTING SHELF

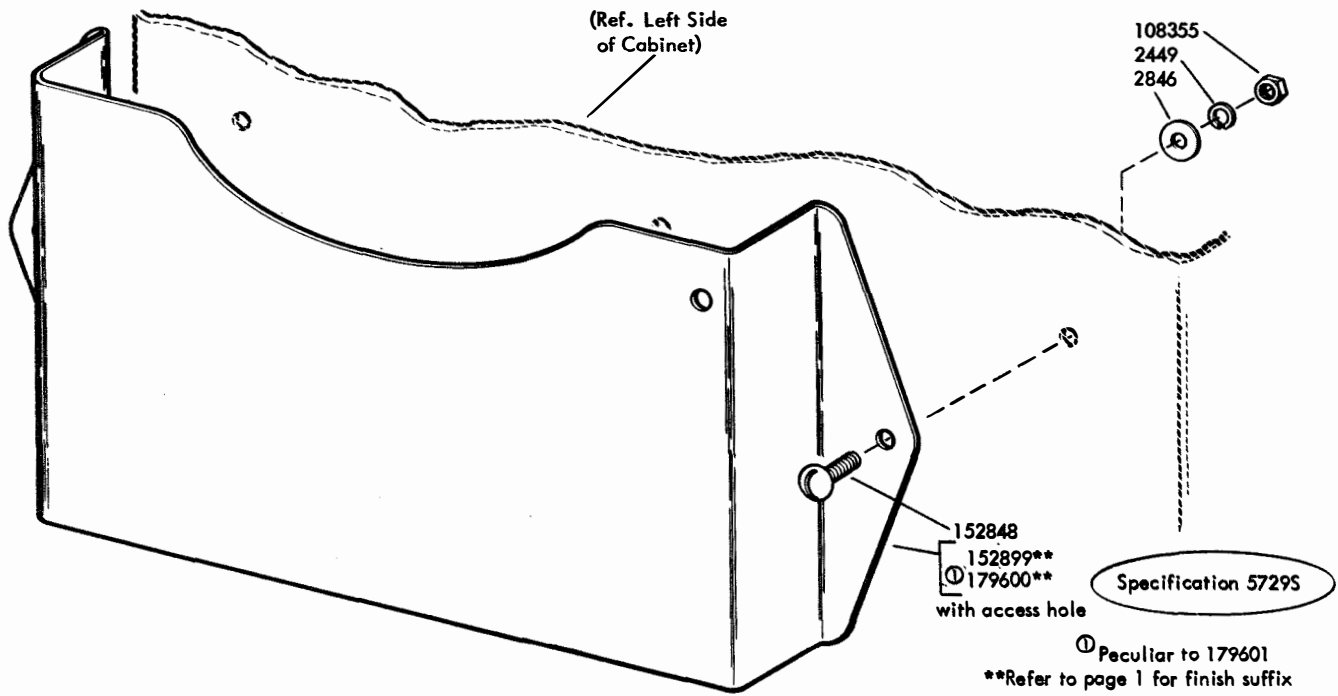


FIGURE 41. 152910** and 179601** MODIFICATION KITS TO ADD DIRECTORY HOLDER OR MESSAGE FILE HOLDER

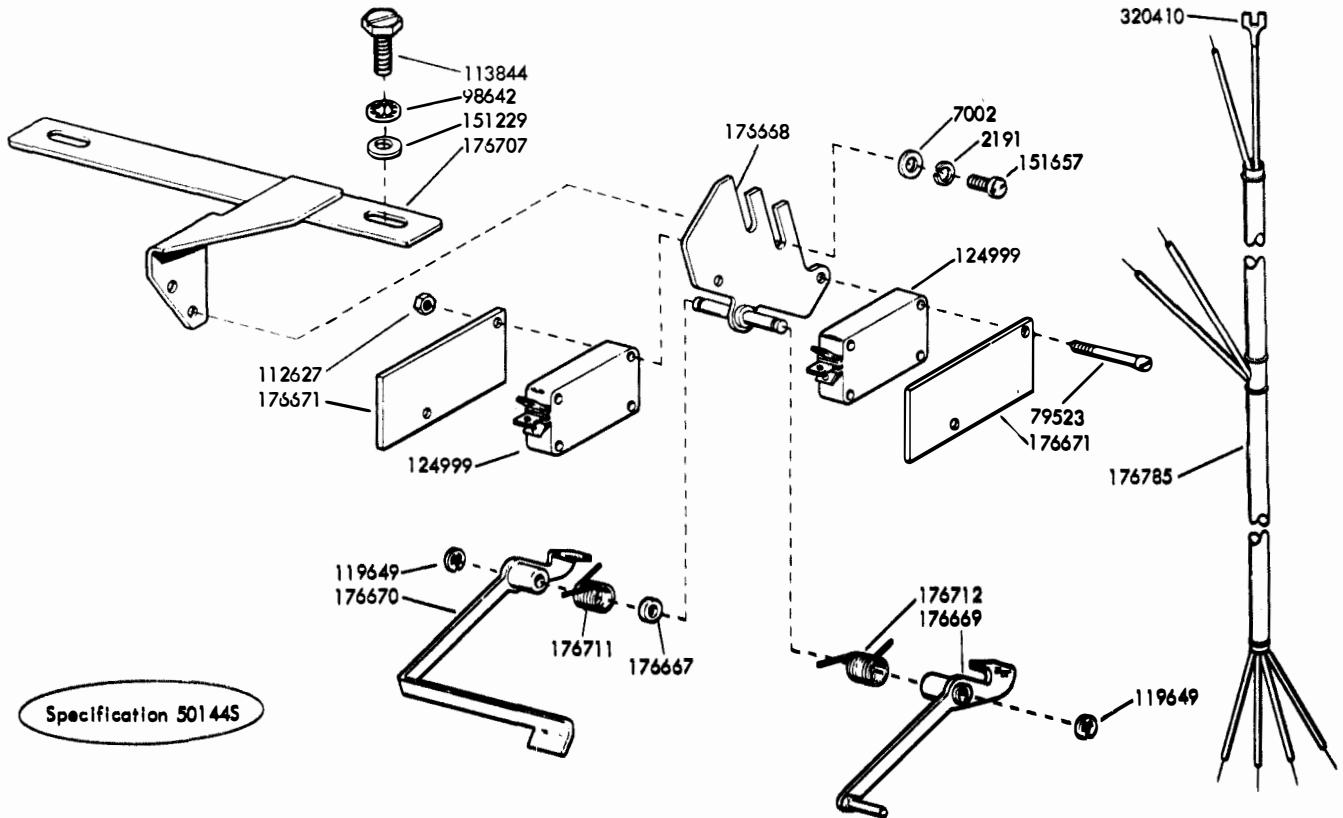


FIGURE 42. 176713 MODIFICATION KIT TO PROVIDE LOW PAPER AND PAPER-OUT ALARM

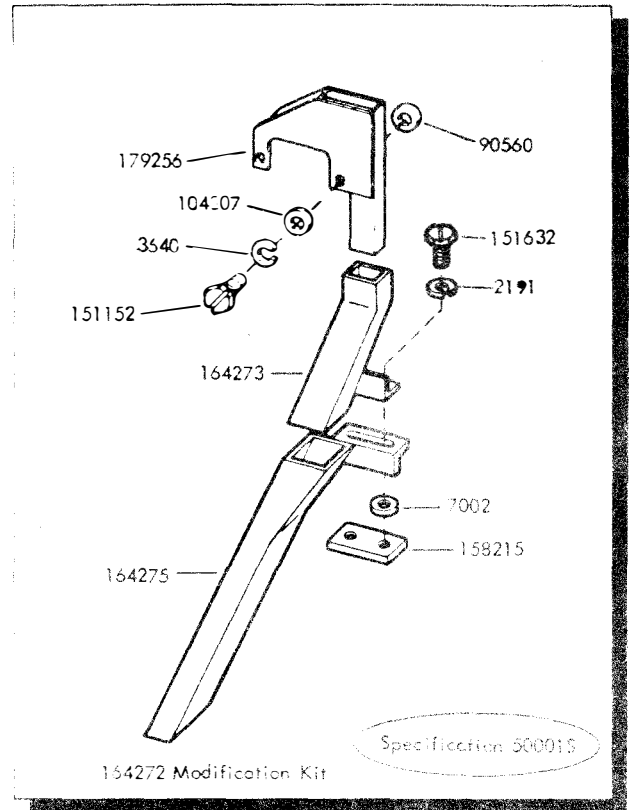
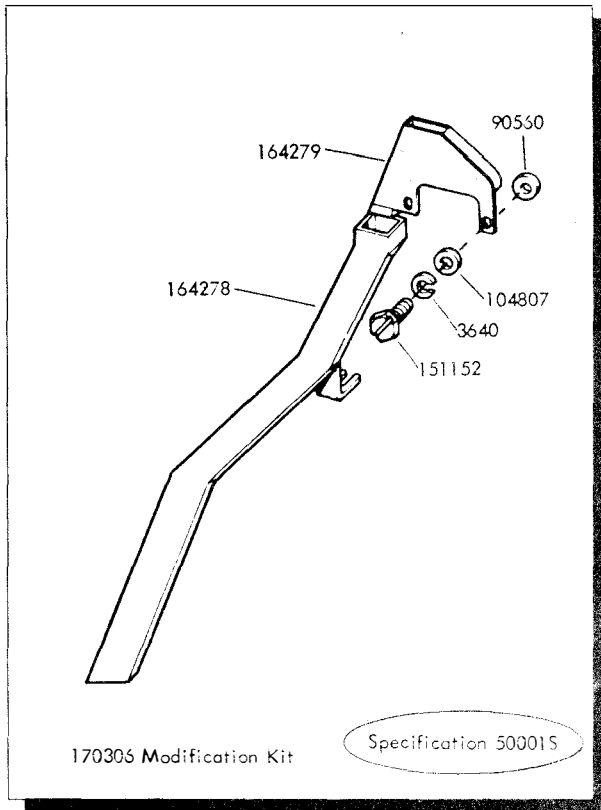
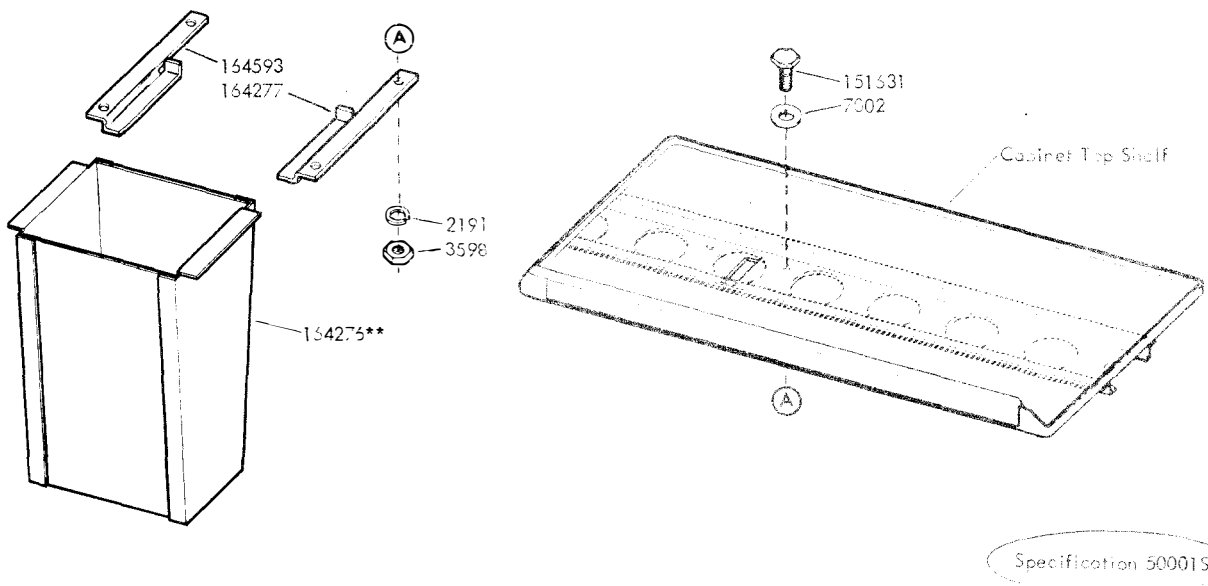
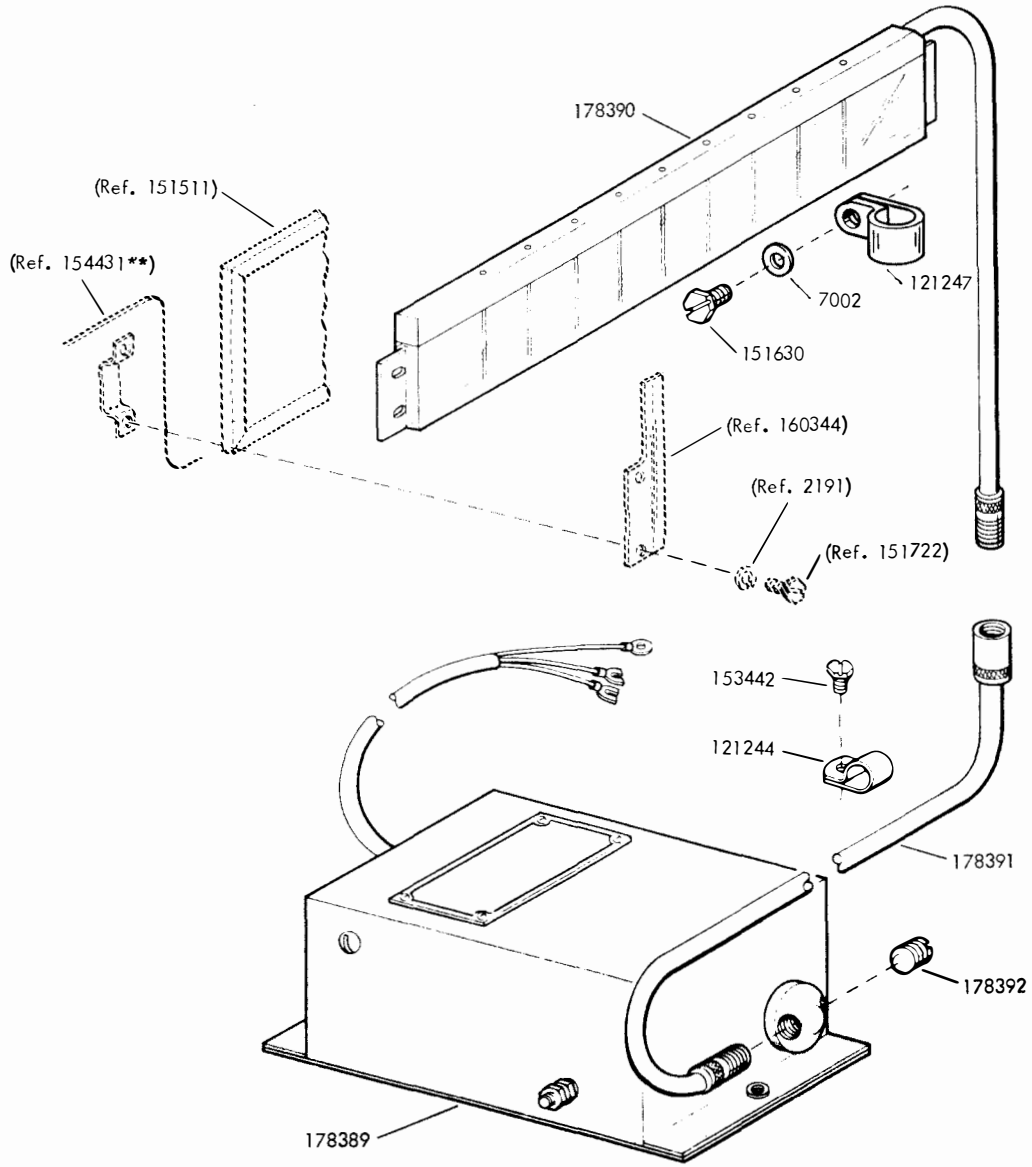


FIGURE 43. 164272 (FOR AUXILIARY REPERFORATOR) AND 170306 (FOR KEYBOARD REPERFORATOR) MODIFICATION KITS TO PROVIDE CHAD DISPOSAL



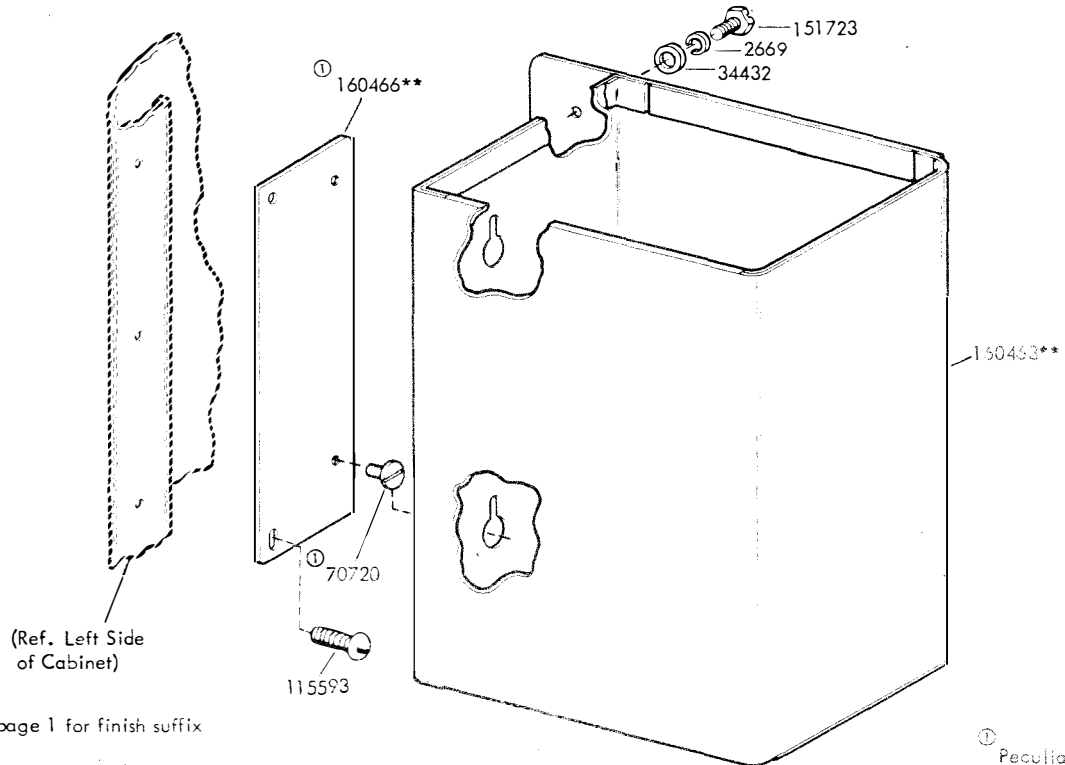
**Refer to page 1 for finish suffix

FIGURE 44. 164405** MODIFICATION KIT TO PROVIDE CHAD CONTAINER FOR THE AUXILIARY REPERFORATOR AND/OR KEYBOARD REPERFORATOR



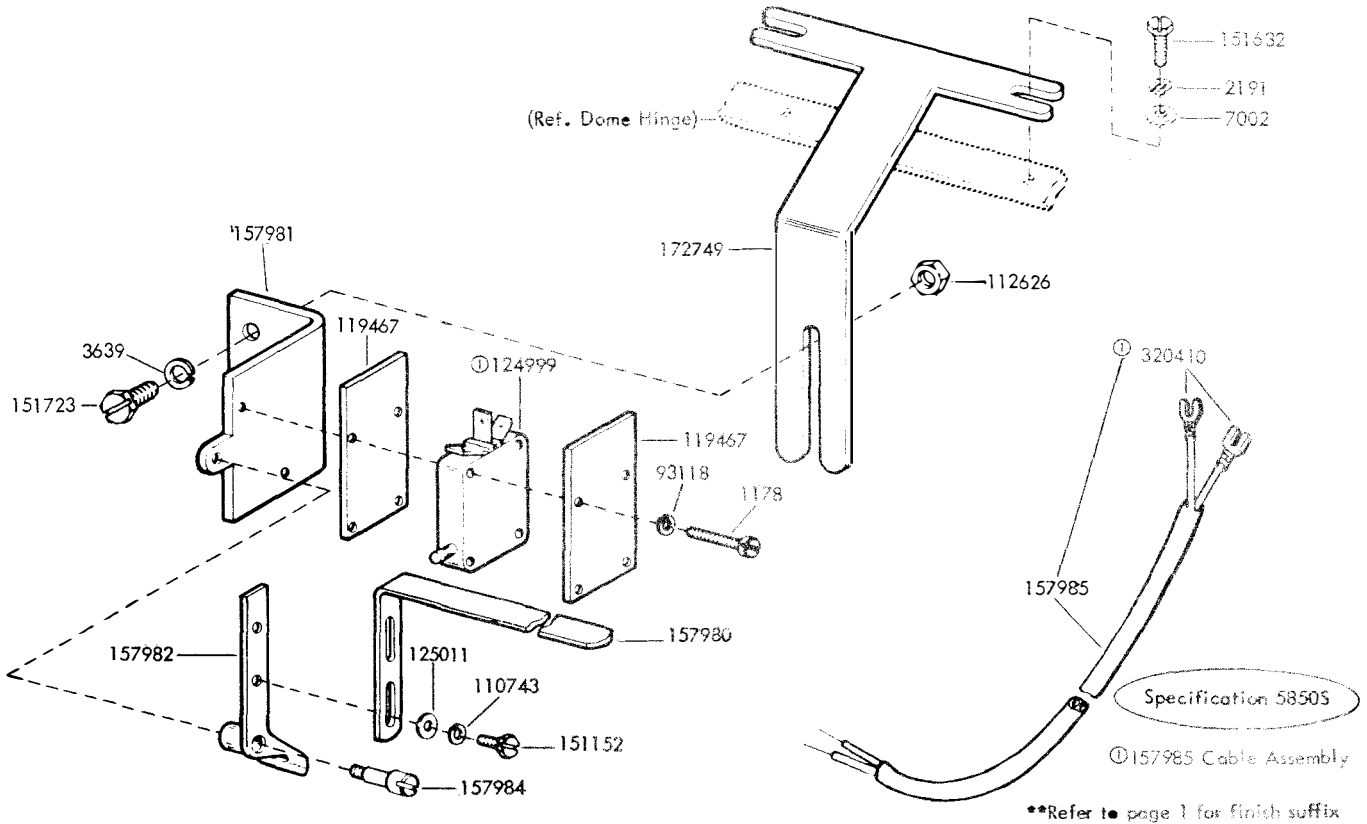
NOTE: For referenced part numbers see Fig. 5.
** Refer to page 1 for finish suffix

FIGURE 45. 178387 MODIFICATION KIT TO PROVIDE HIGH VOLTAGE STATIC ELIMINATOR TO NEUTRALIZE ELECTROSTATIC CHARGE ON PAGE COPY



**Refer to page 1 for finish suffix

FIGURE 46. 160468** (PIVOTED HEAD TRANSMITTER) AND 160470** (FIXED HEAD TRANSMITTER) MODIFICATION KITS TO PROVIDE TAPE BASKET



**Refer to page 1 for finish suffix

FIGURE 47. 154756 MODIFICATION KIT TO PROVIDE FORM-OUT ALARM

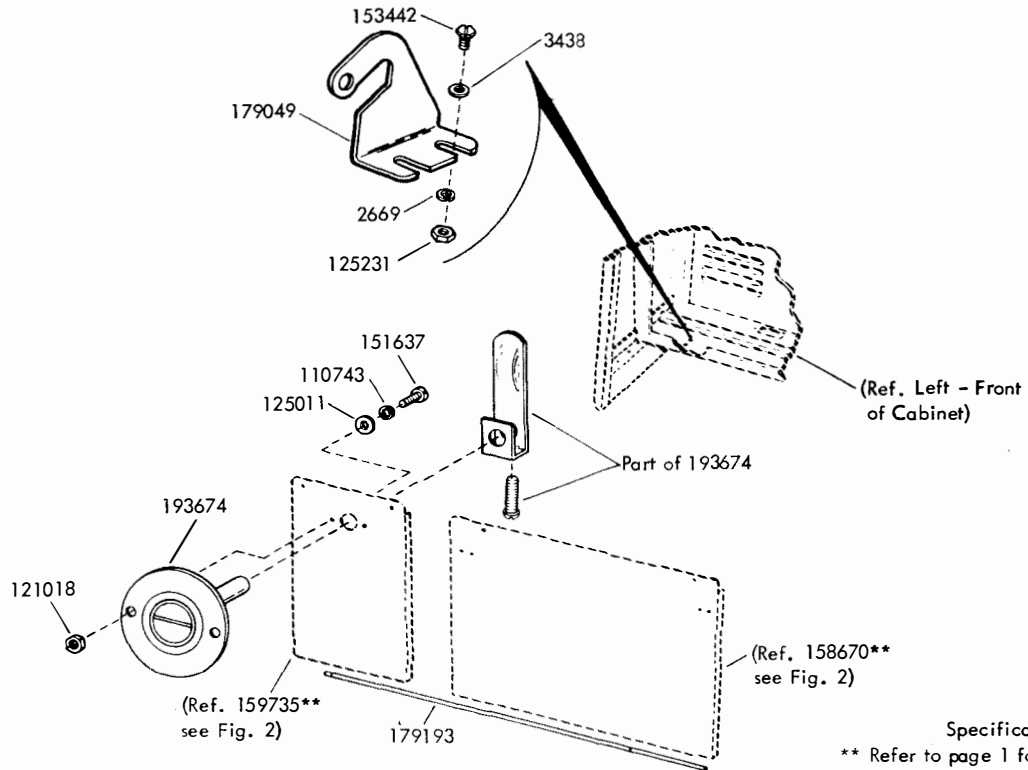


FIGURE 48. 193675 MODIFICATION KIT TO PROVIDE CABINET WITH TWO HINGED PANELS IN LOWER CAVITY

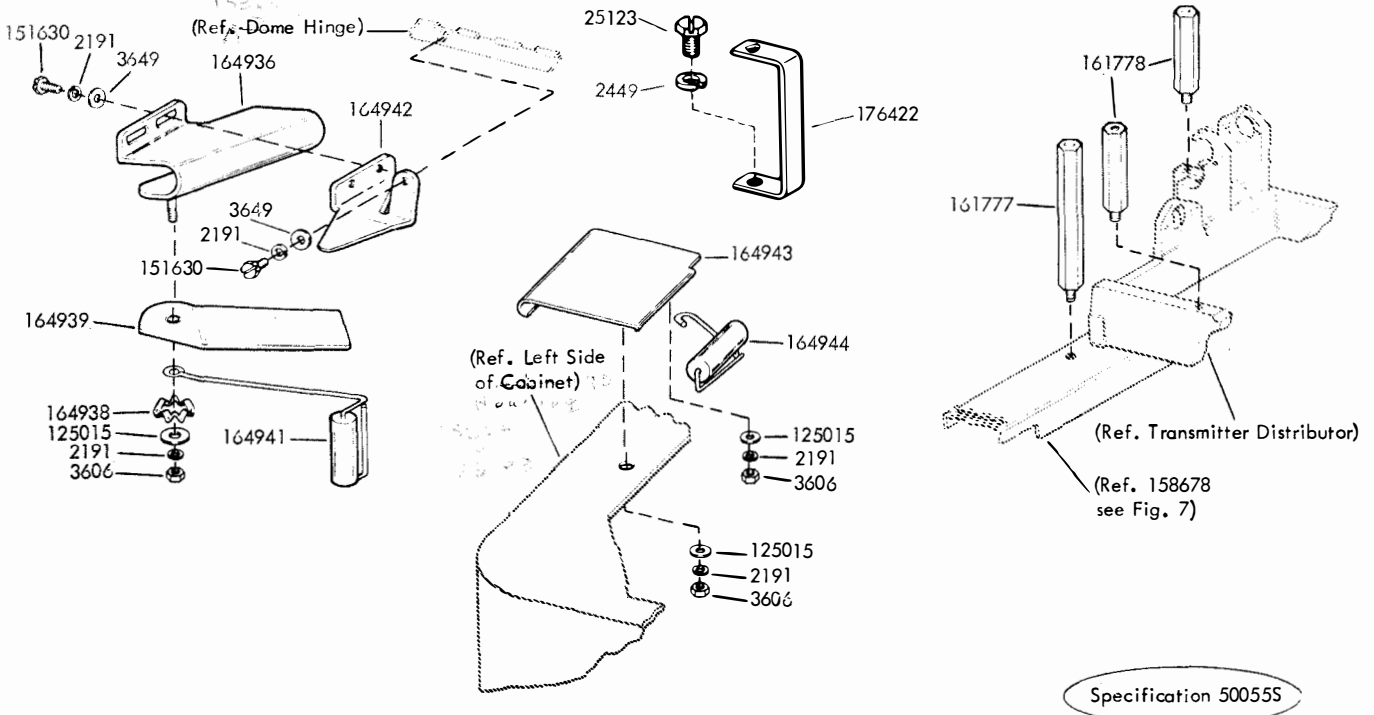


FIGURE 49. 161814 MODIFICATION KIT TO MOUNT AN AUXILIARY TYPING REPERFORATOR BASE AND PROVIDE TAPE GUIDE

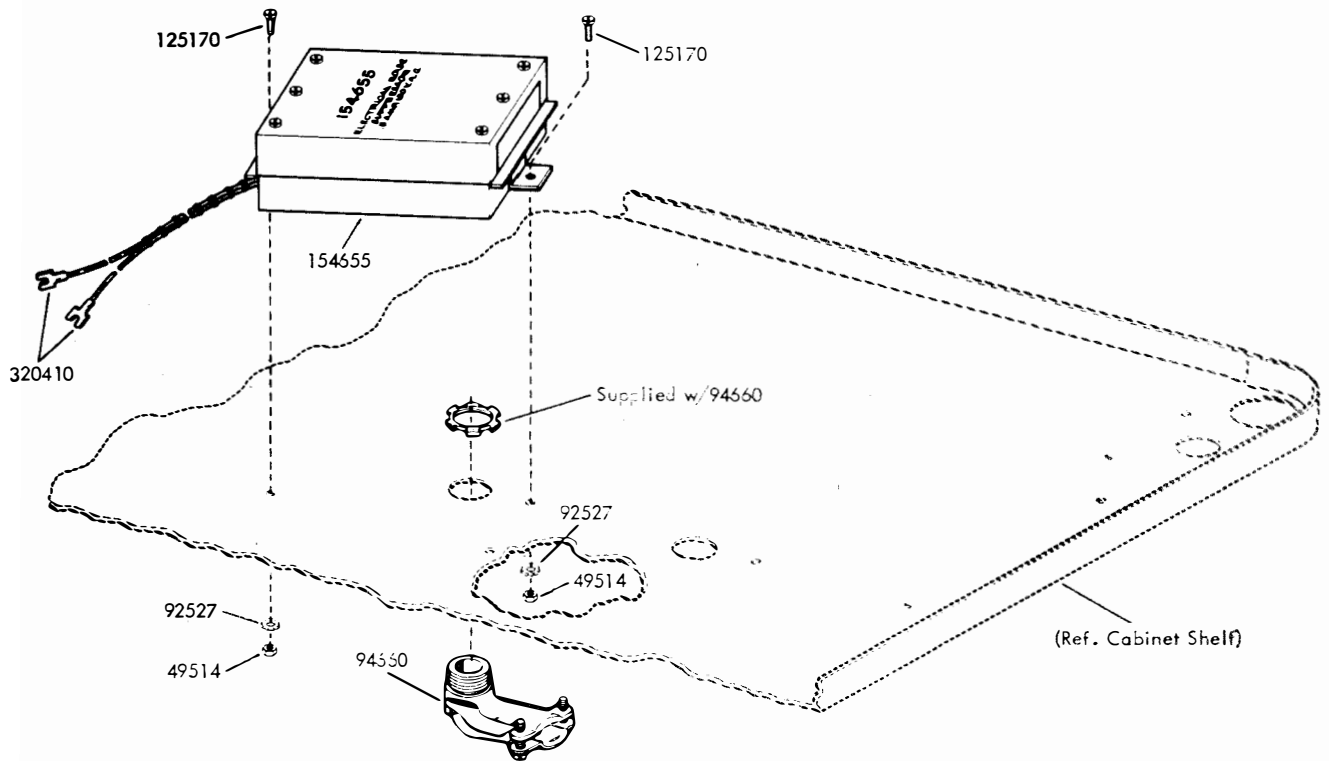


FIGURE 50. 154651 MODIFICATION KIT TO ADD SIGNAL LINE ELECTRICAL NOISE SUPPRESSOR (D. C.)

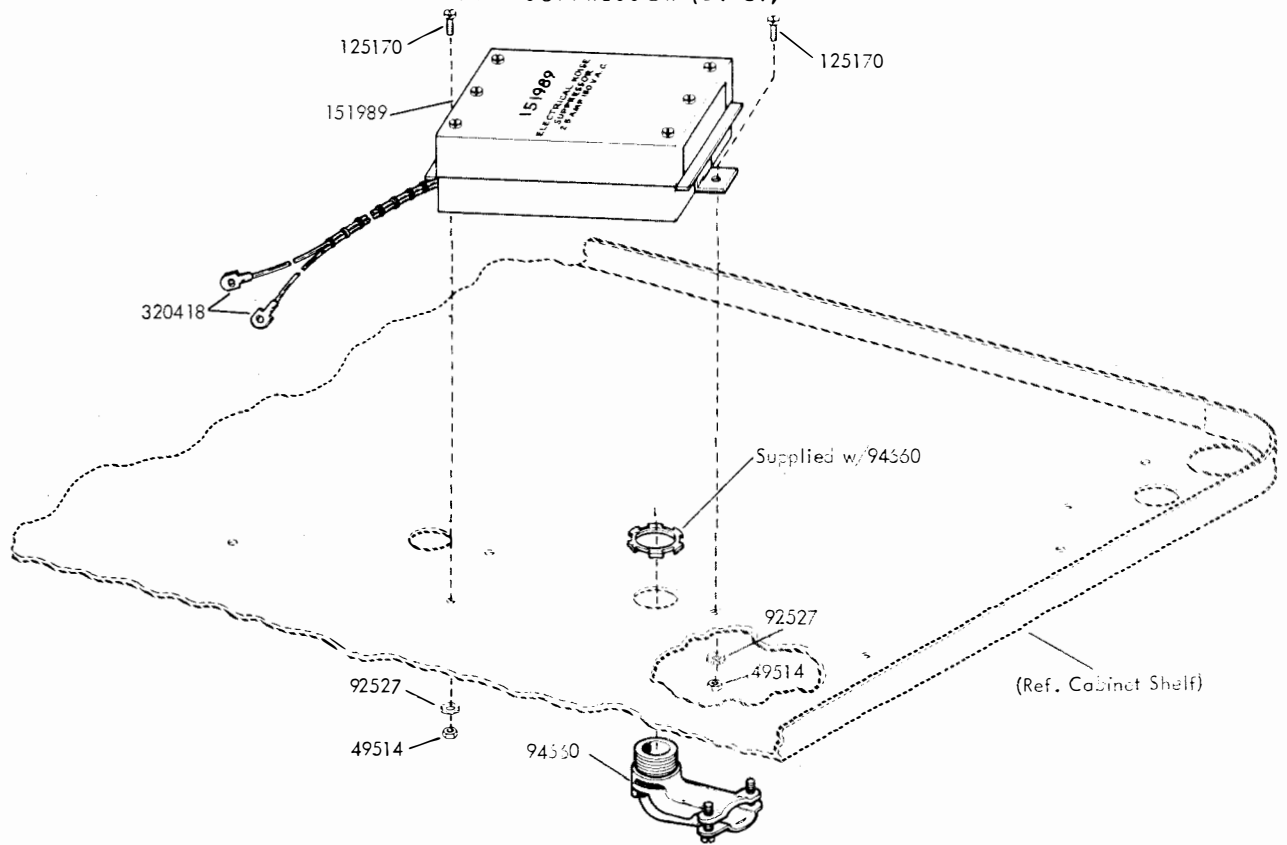


FIGURE 51. 151988 MODIFICATION KIT TO ADD POWER LINE ELECTRICAL NOISE SUPPRESSOR

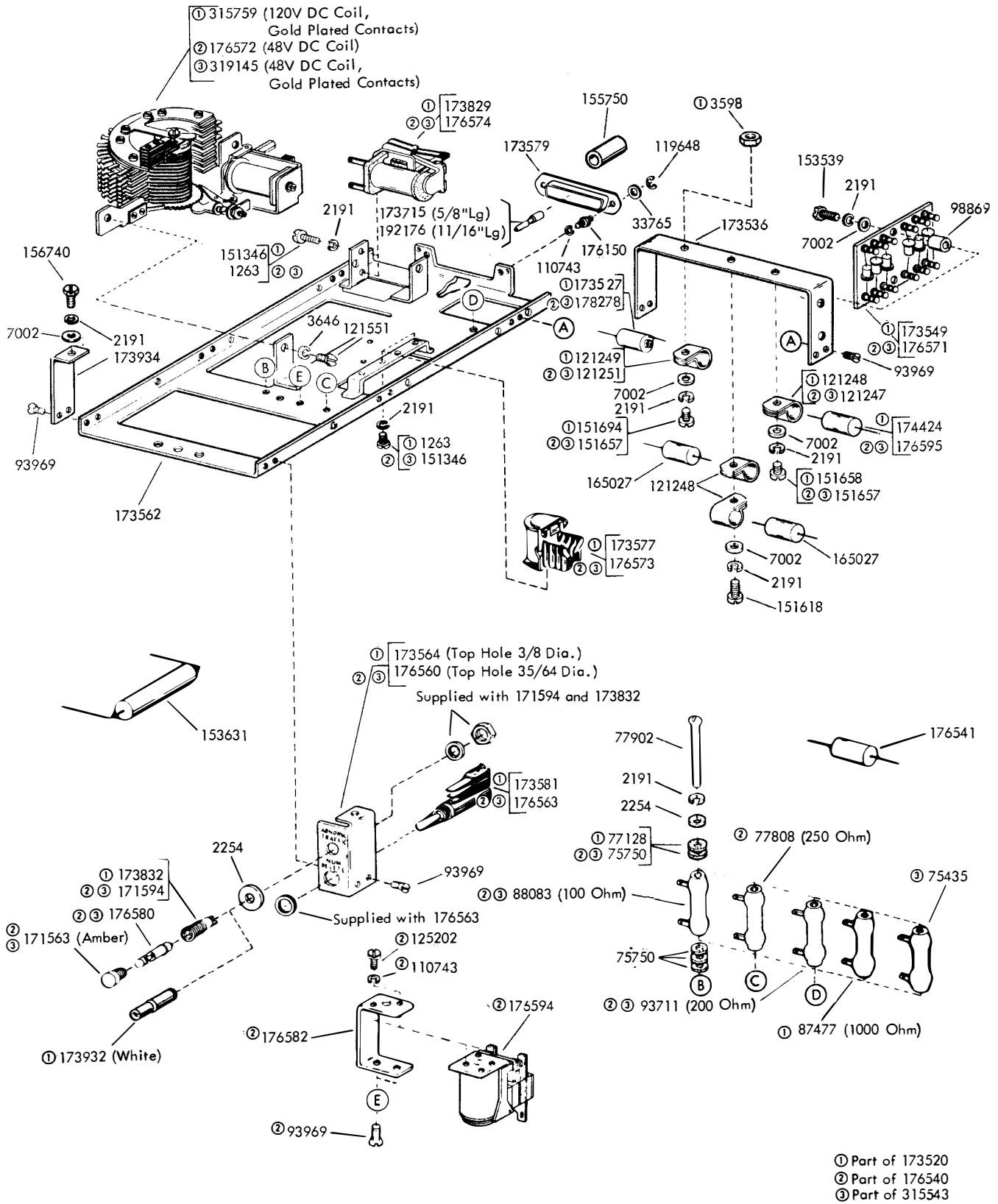


FIGURE 52. 173520, 176540 AND 315543 NUMBERING MODULE ASSEMBLIES (ALSO INCLUDES PARTS ON FIGURE 50)

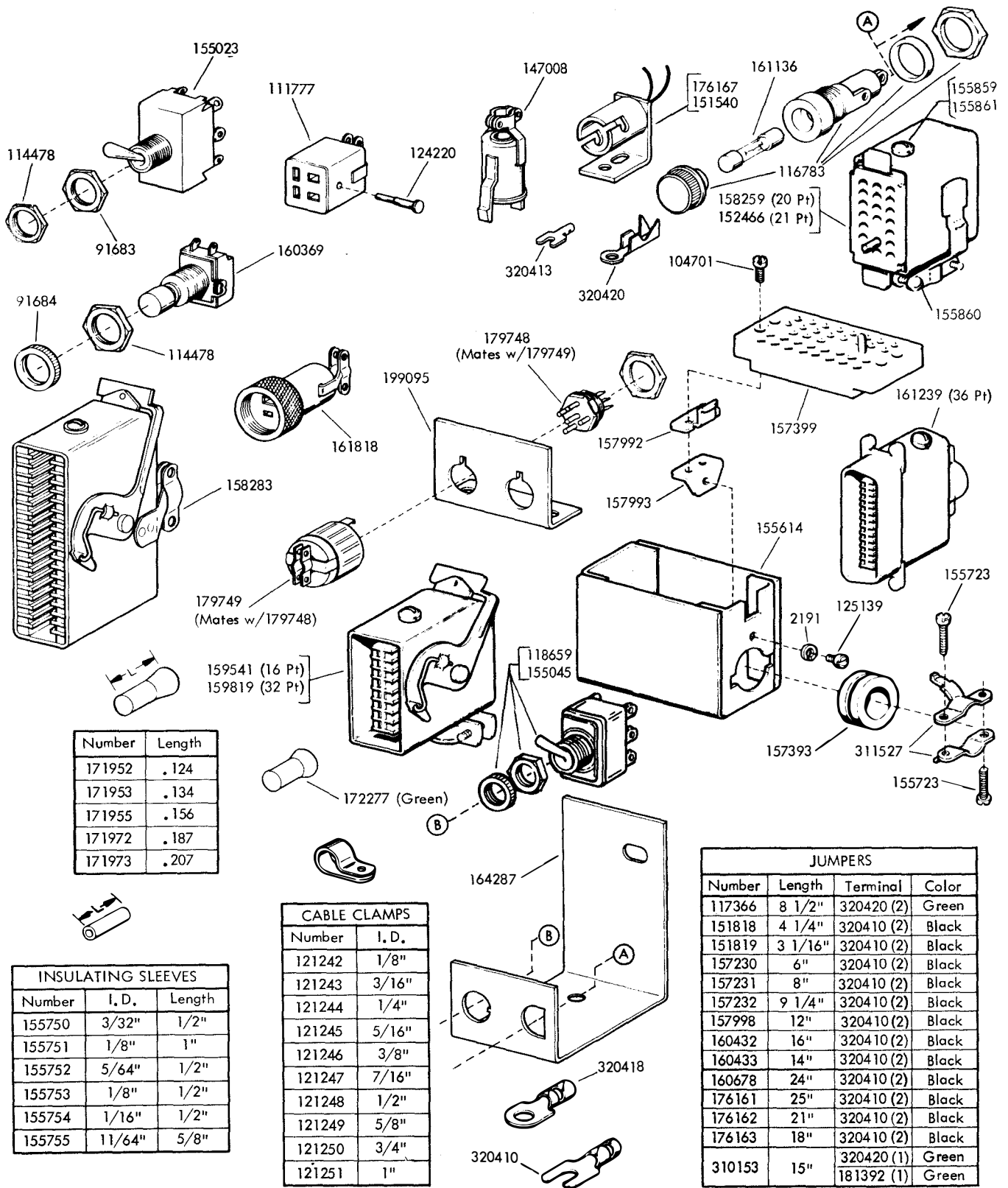


FIGURE 54. CABLE COMPONENTS

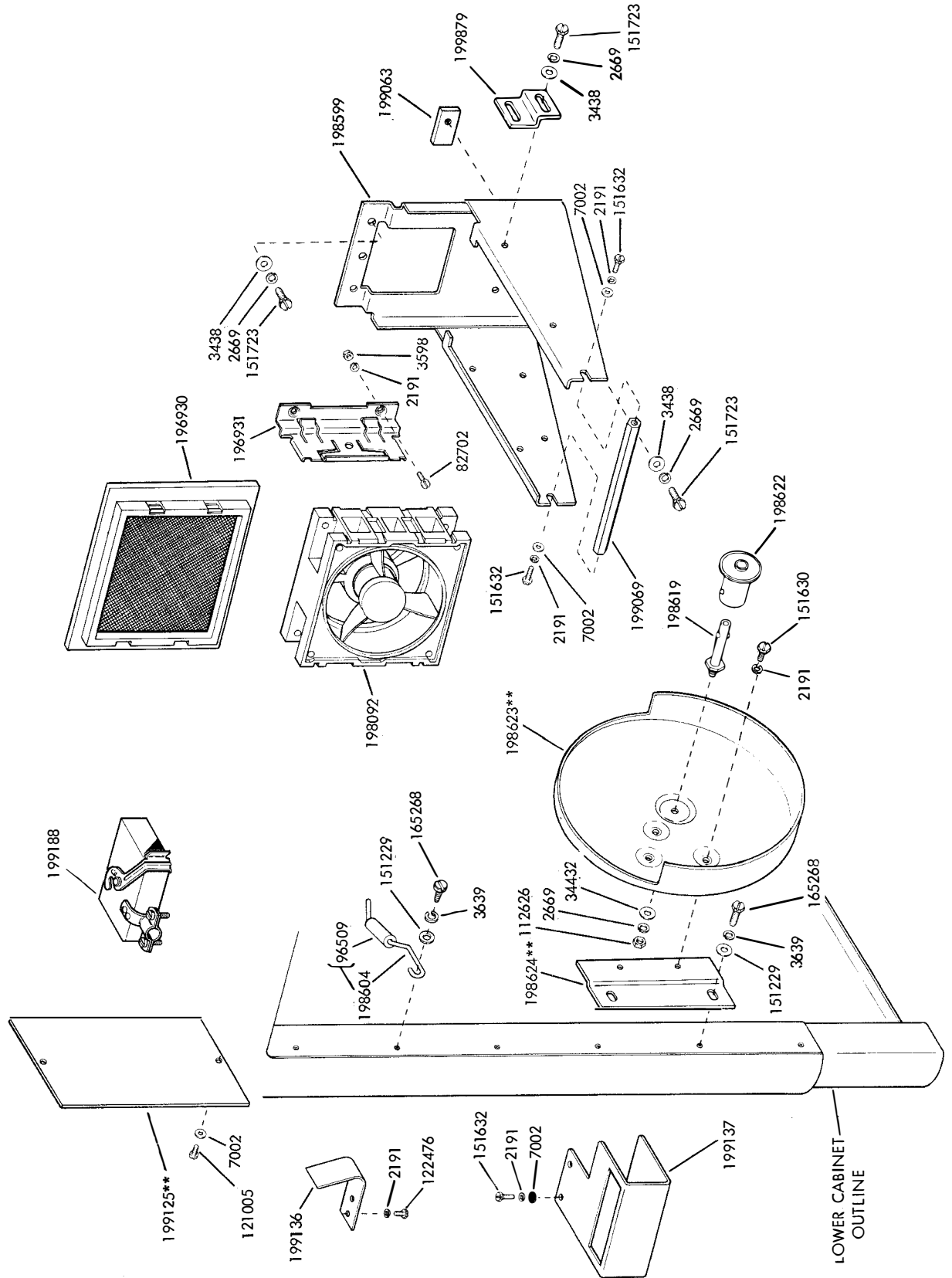
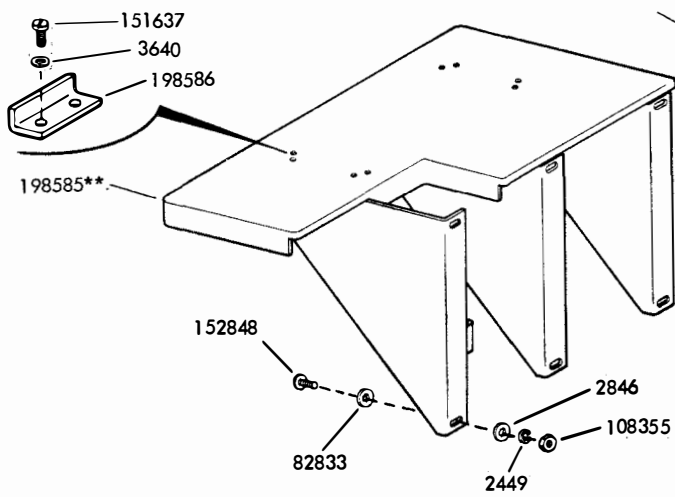
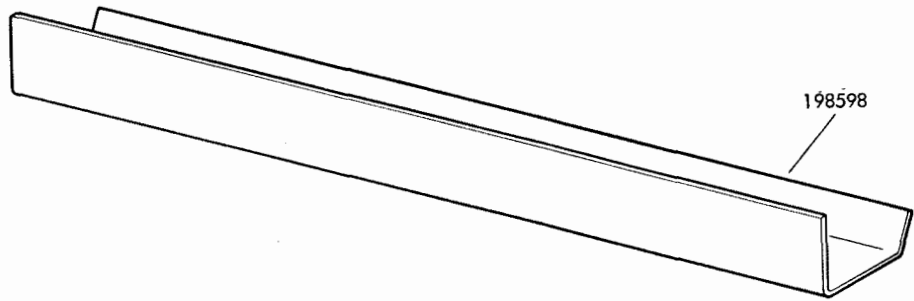
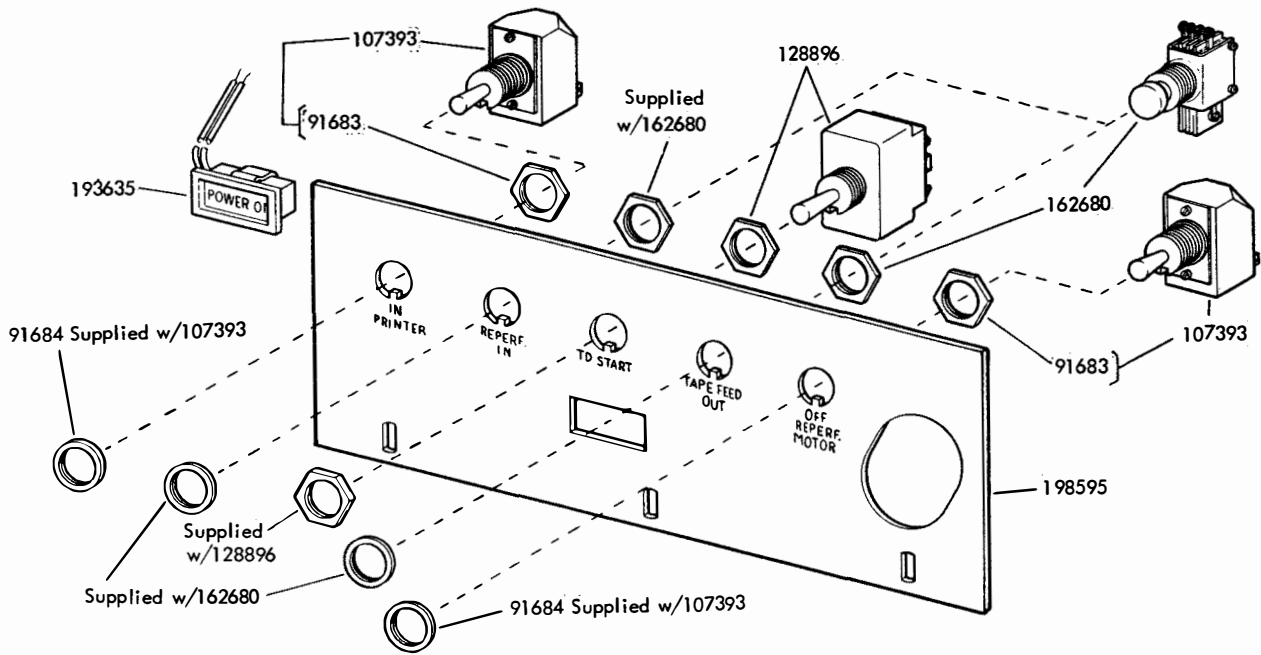
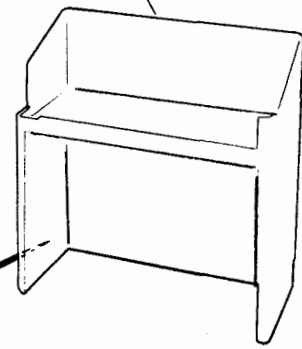


FIGURE 55. FAN, TAPE REEL AND RECTIFIER MOUNTING COMPONENTS (LOWER CABINET)



ASR Cabinet Outline



**Refer to page 1 for finish suffix

FIGURE 56. CONTROL PANEL, TAPE GUIDE AND LEFT SIDE SHELF

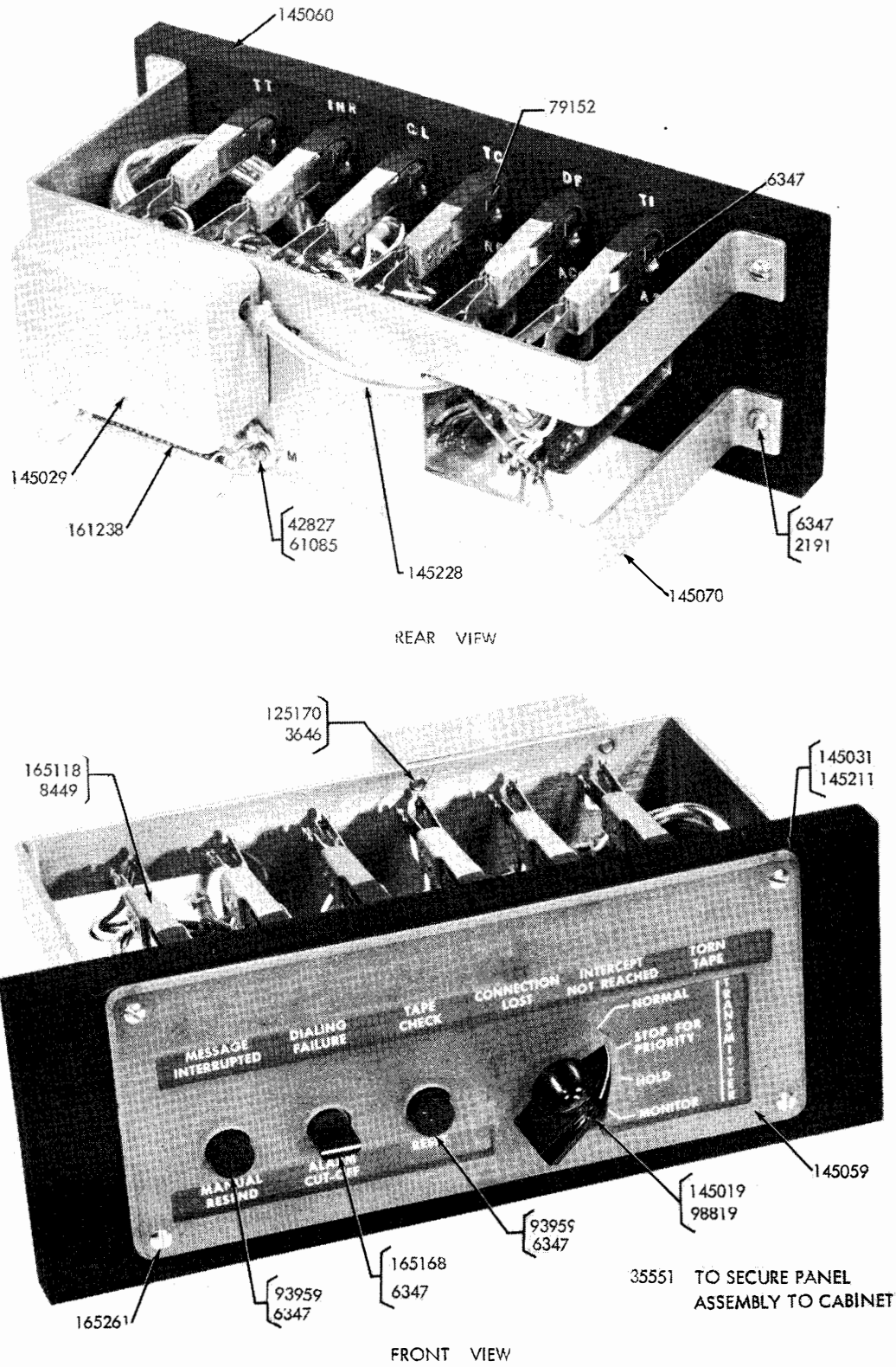


FIGURE 58. 145200 KEY AND LAMP PANEL ASSEMBLY

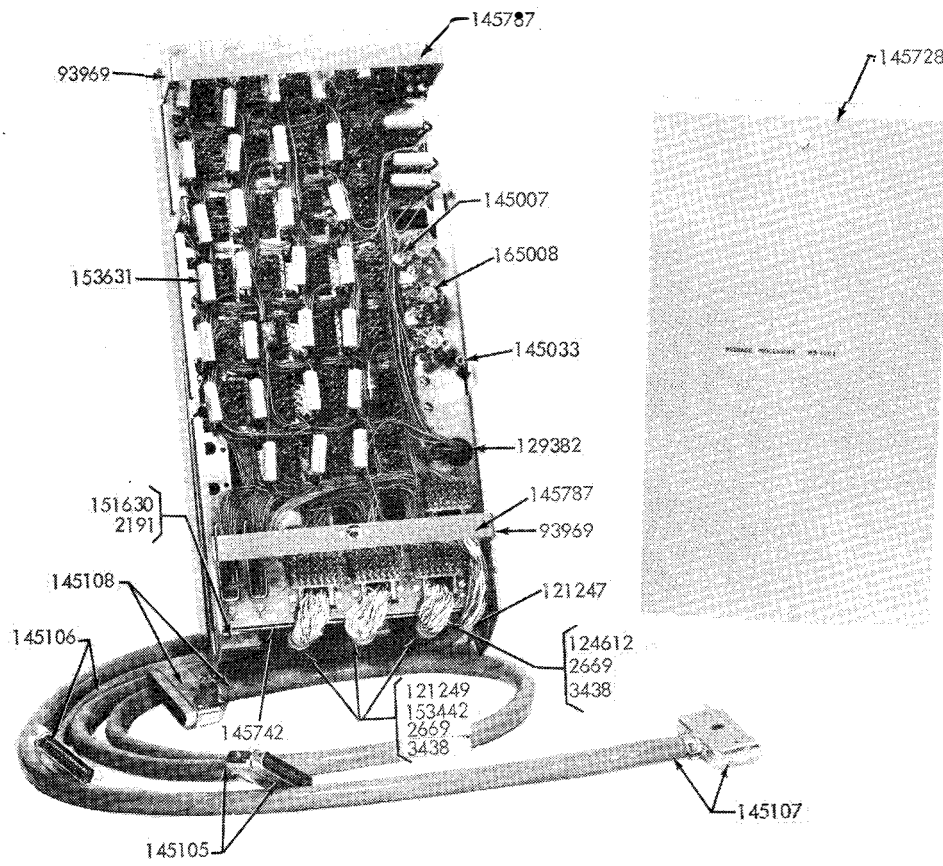
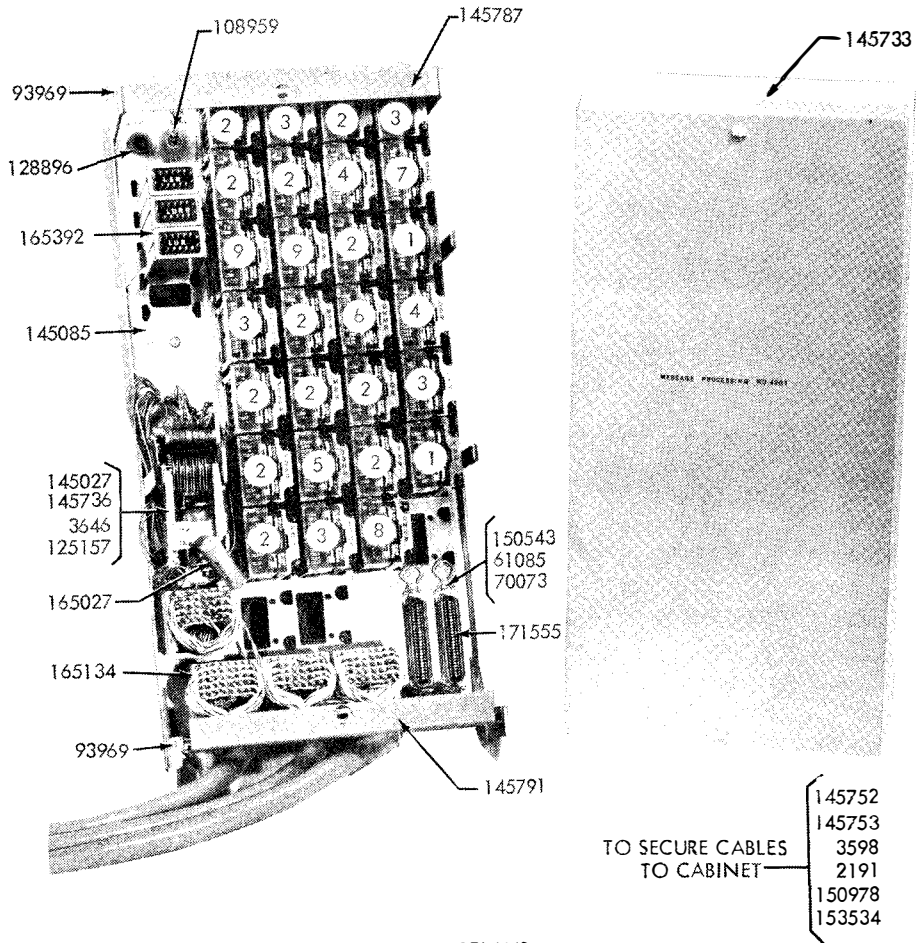


FIGURE 59. 14505 MESSAGE PROCESSING PANEL ASSEMBLY - FRONT VIEW



RELAYS

- | | |
|-----------|-----------|
| 1. 145002 | 5. 145092 |
| 2. 145003 | 6. 145093 |
| 3. 145008 | 7. 171507 |
| 4. 165021 | 8. 165051 |
| | 9. 145349 |

FIGURE 40. 145050-MESSAGE PROCESSING PANEL ASSEMBLY - REAR VIEW

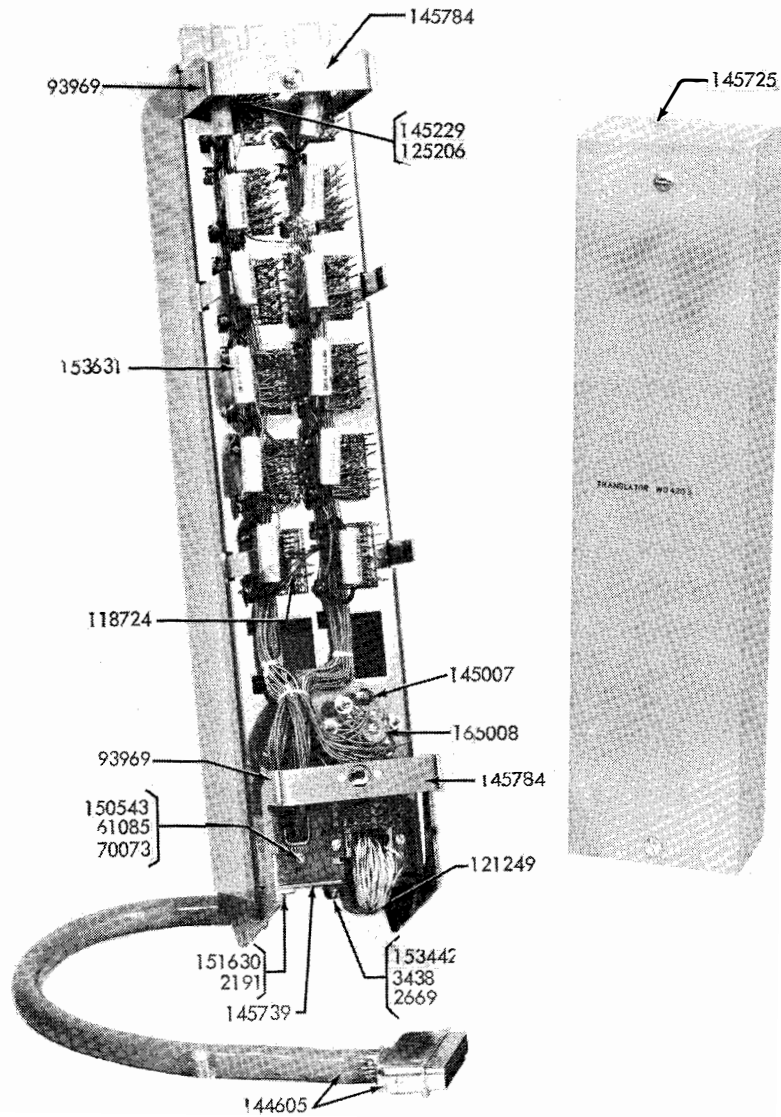
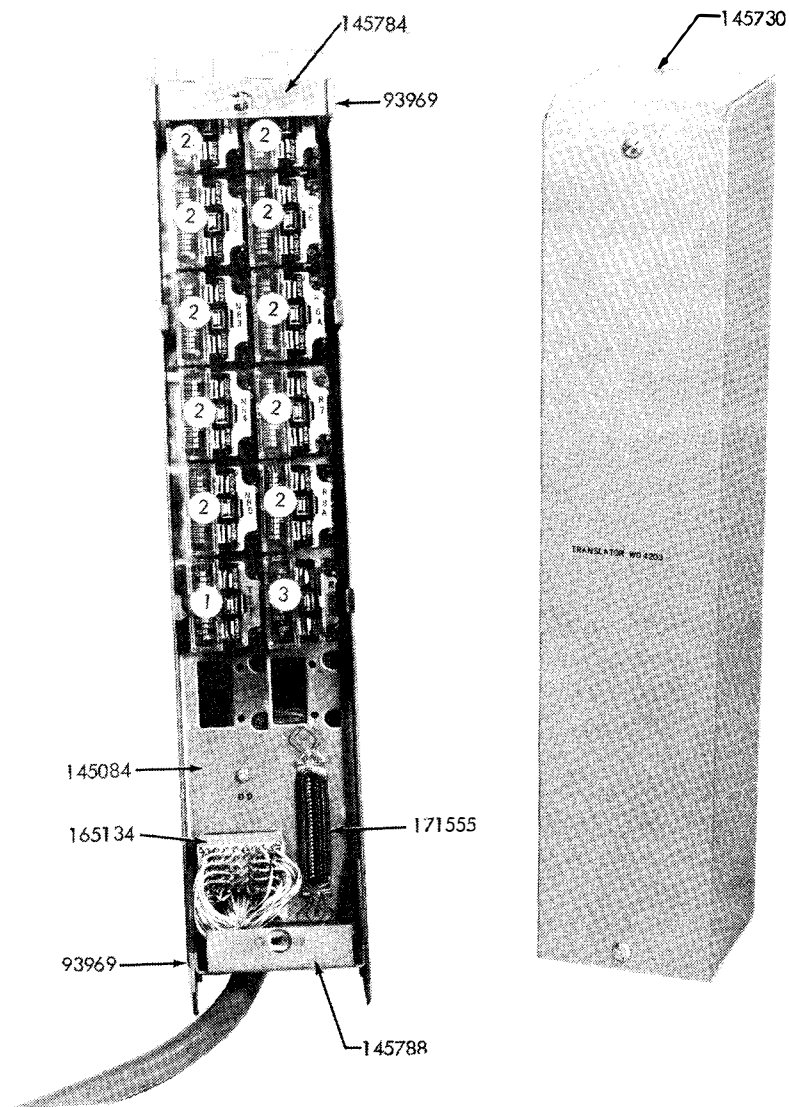


FIGURE 61. 145225 TRANSLATOR PANEL ASSEMBLY - FRONT VIEW



RELAYS

- 1. 145002
- 2. 145008
- 3. 145022

FIGURE 62. 145225 TRANSLATOR PANEL ASSEMBLY - REAR VIEW

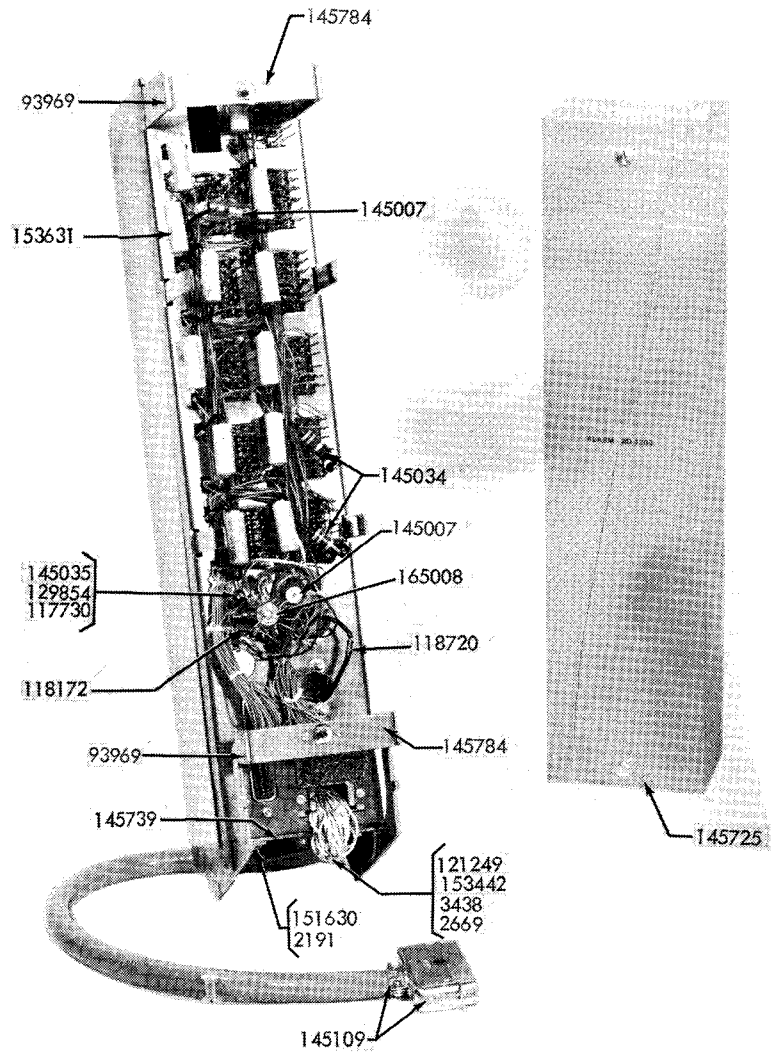


FIGURE 63. 145250 ALARM PANEL ASSEMBLY - FRONT VIEW

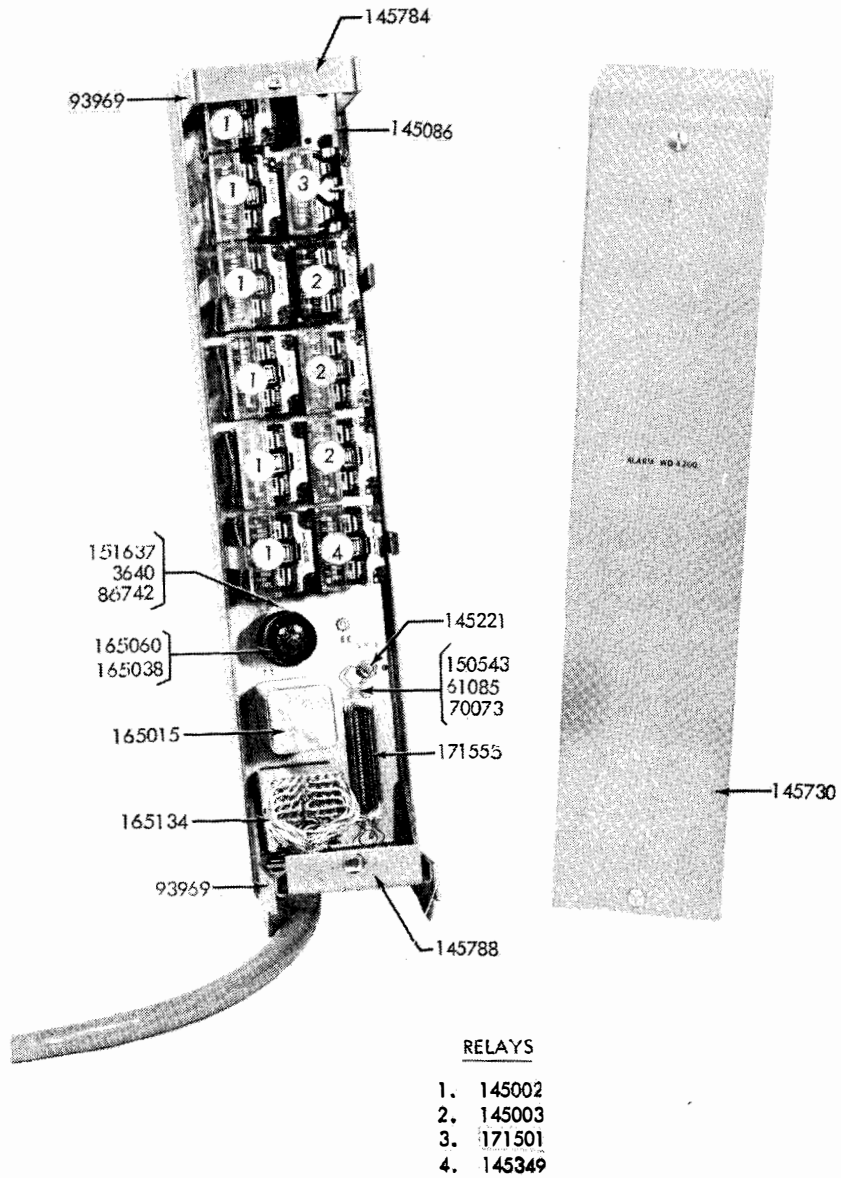


FIGURE 64. 145250 ALARM PANEL ASSEMBLY - REAR VIEW

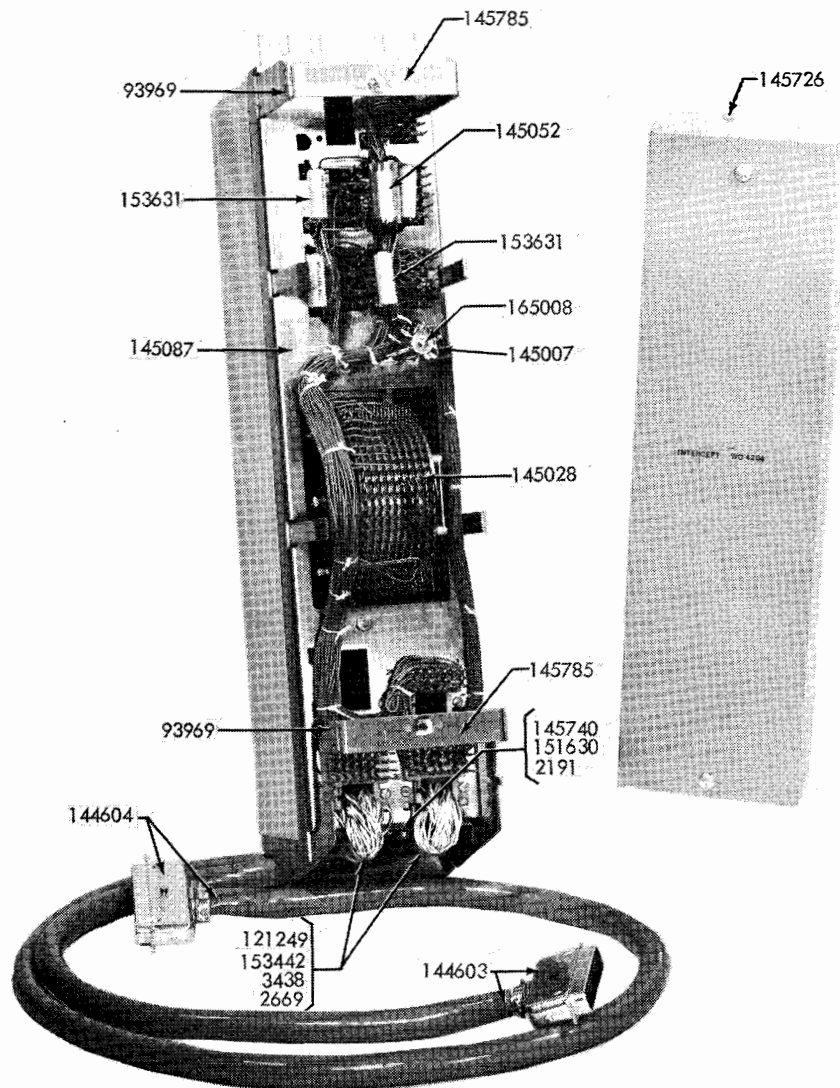
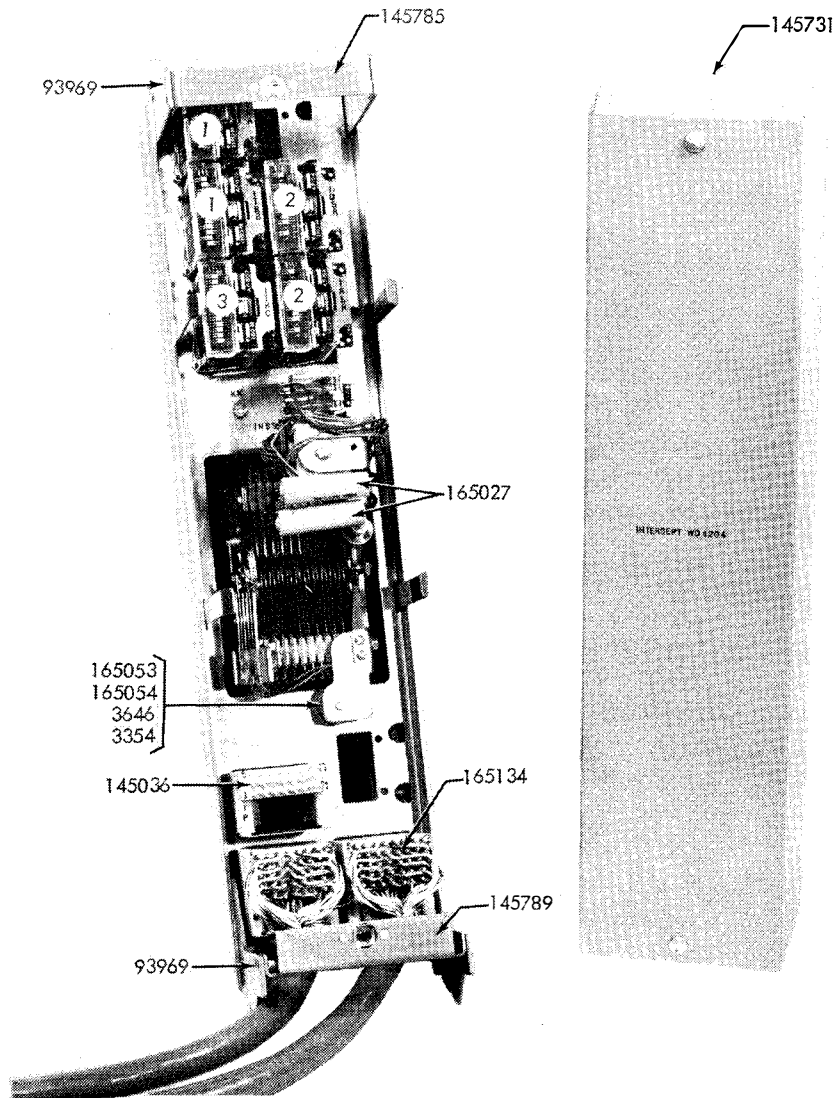


FIGURE 65. 145350 INTERCEPT PANEL ASSEMBLY - FRONT VIEW



RELAYS

- 1. 145002
- 2. 145003
- 3. 145008

FIGURE 66. 145350 INTERCEPT PANEL ASSEMBLY - REAR VIEW

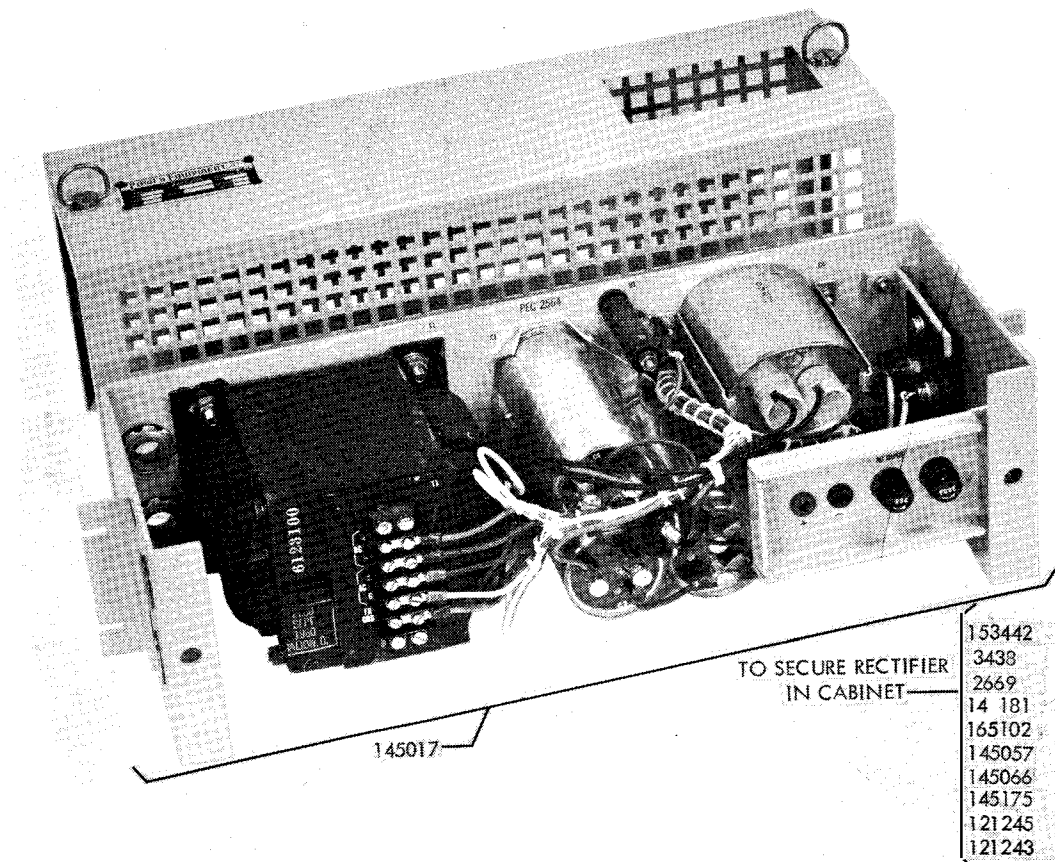


FIGURE 67. 145204 48V D.C. POWER SUPPLY

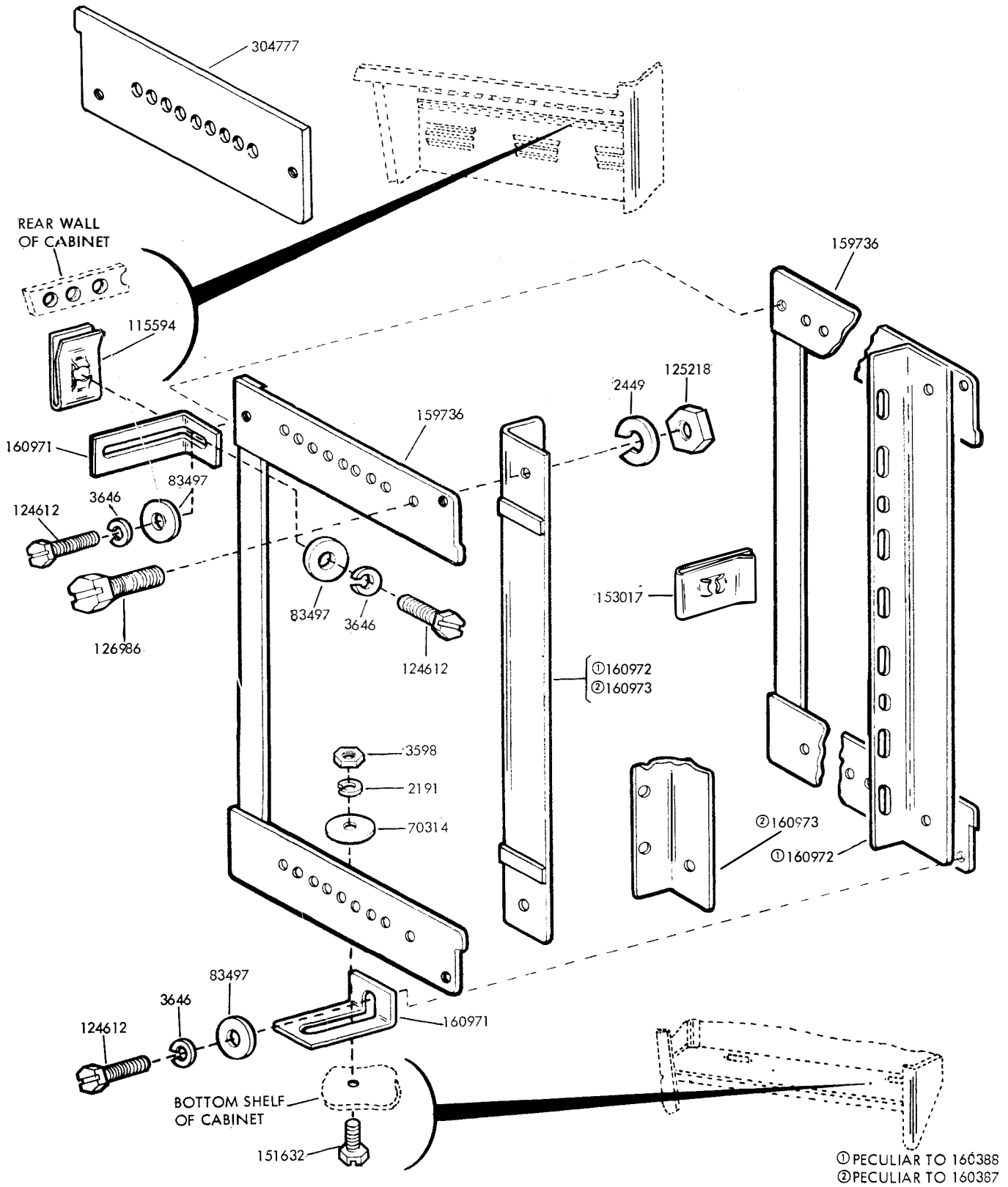


FIGURE 68. 160387 AND 160388 MODIFICATION KITS TO PROVIDE RELAY RACK BRACKETS

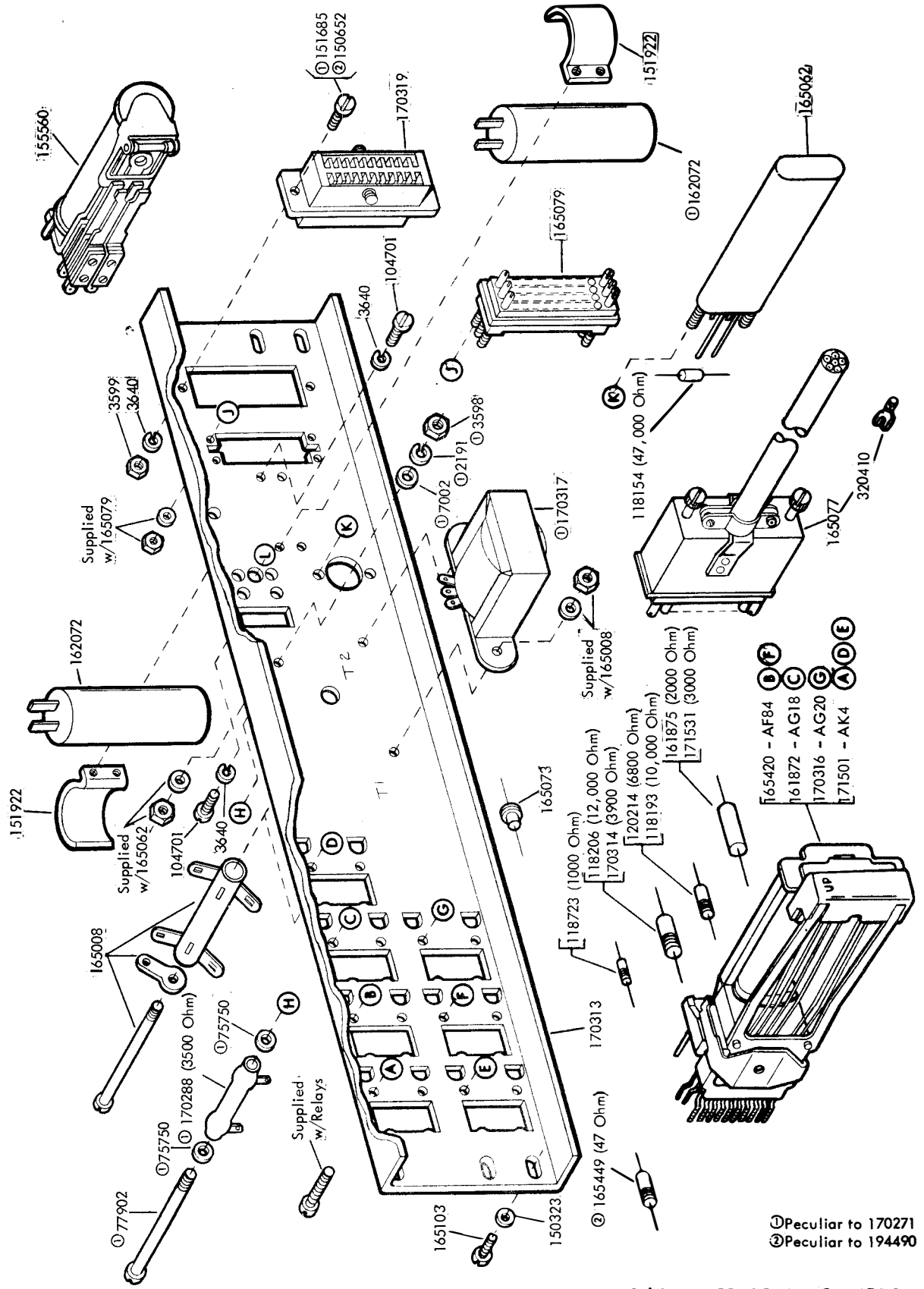


FIGURE 69. 170271, AND 194490 MODIFICATION KITS TO TAPE PROGRAMMED RELAY CONTROL

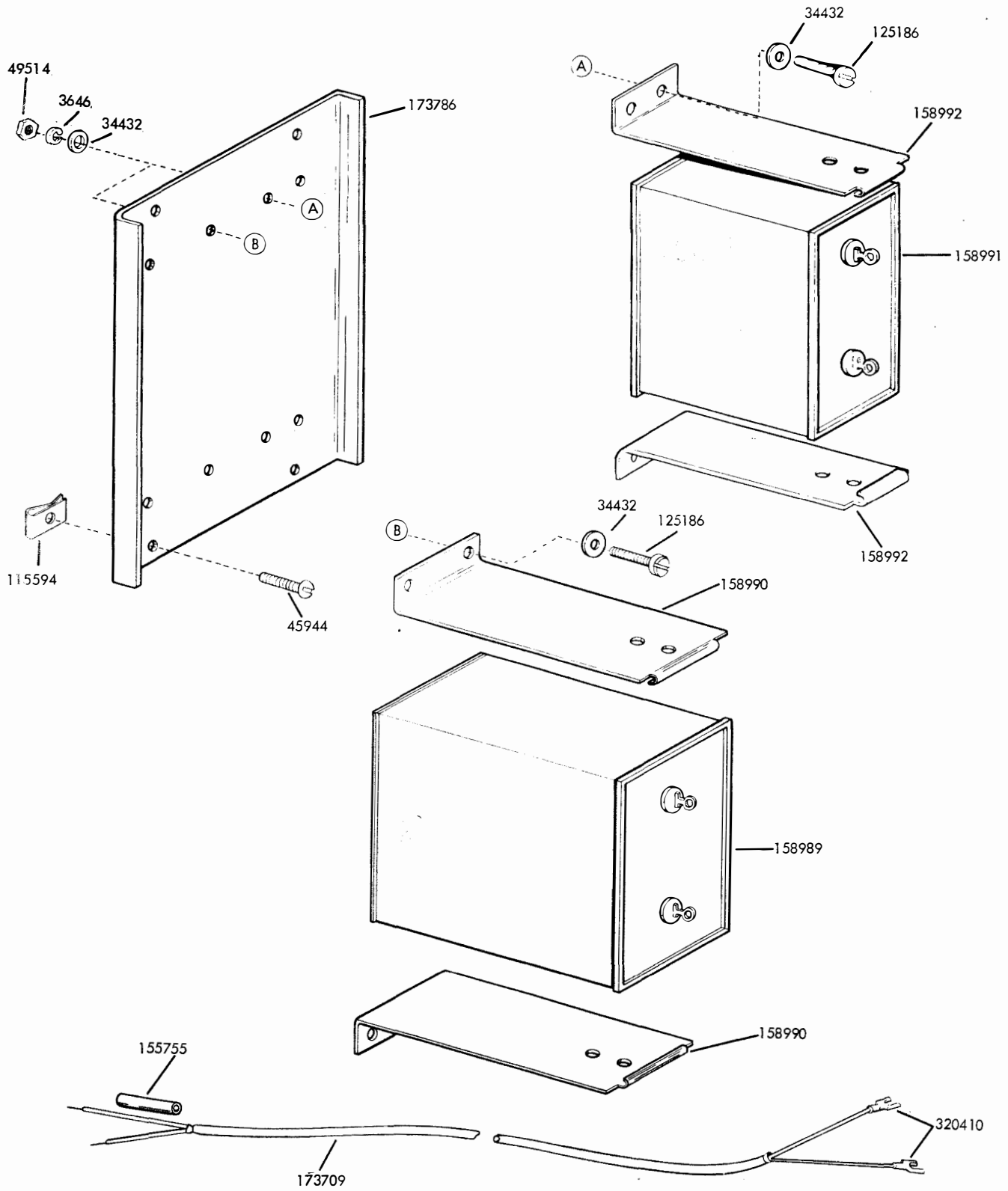


FIGURE 70. 173706 MODIFICATION KIT FOR POWER FACTOR CORRECTION IN CABINET (LAAC)

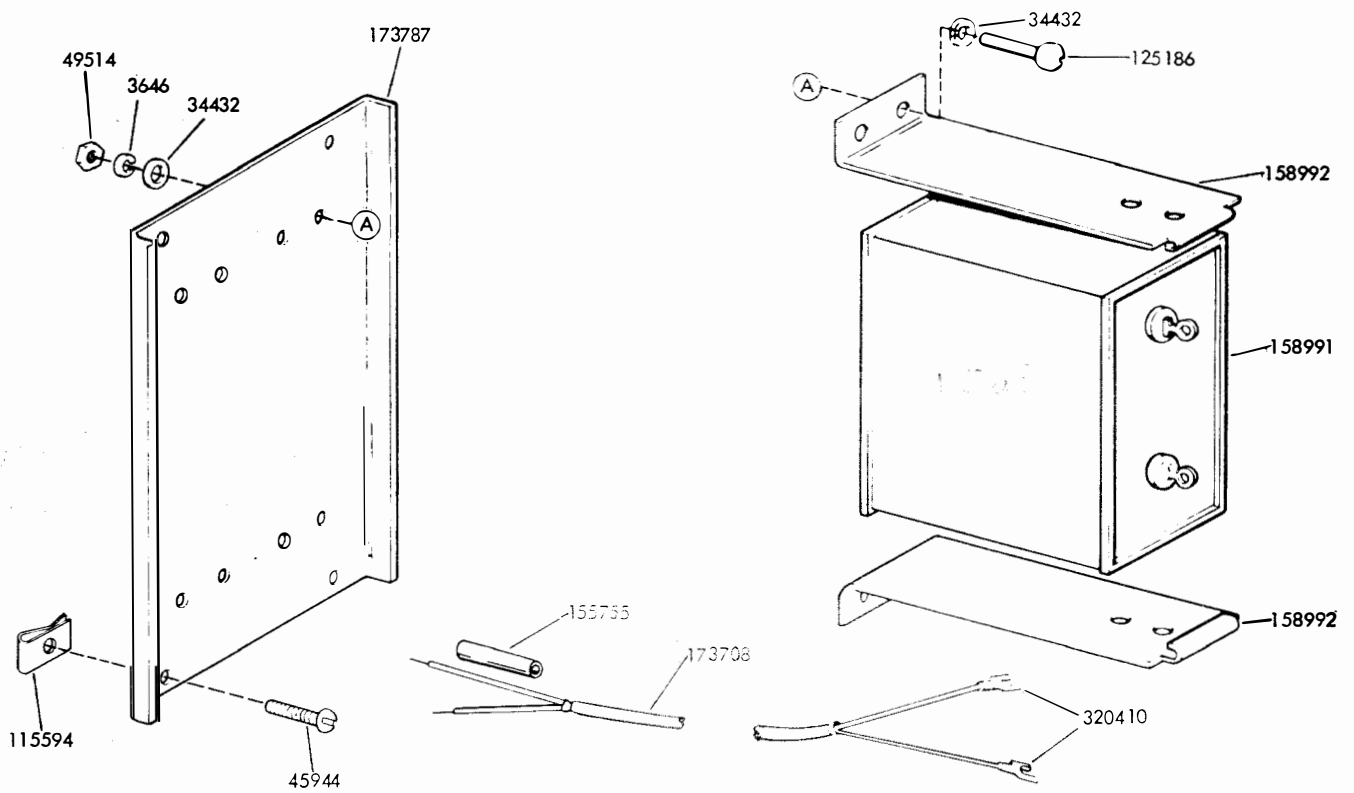


FIGURE 71. 173707 MODIFICATION KIT TO ADD POWER FACTOR CORRECTION TO AUXILIARY REPERFORATOR IN CABINET (LAAC)

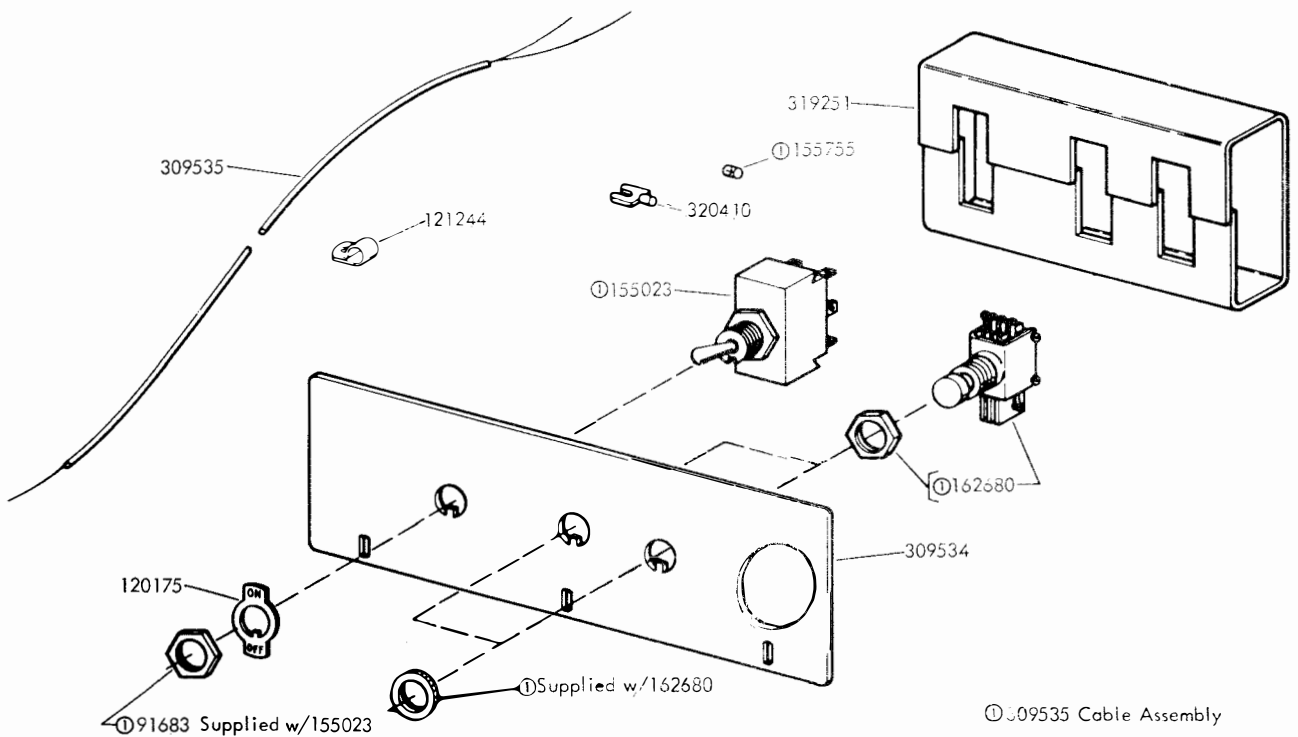
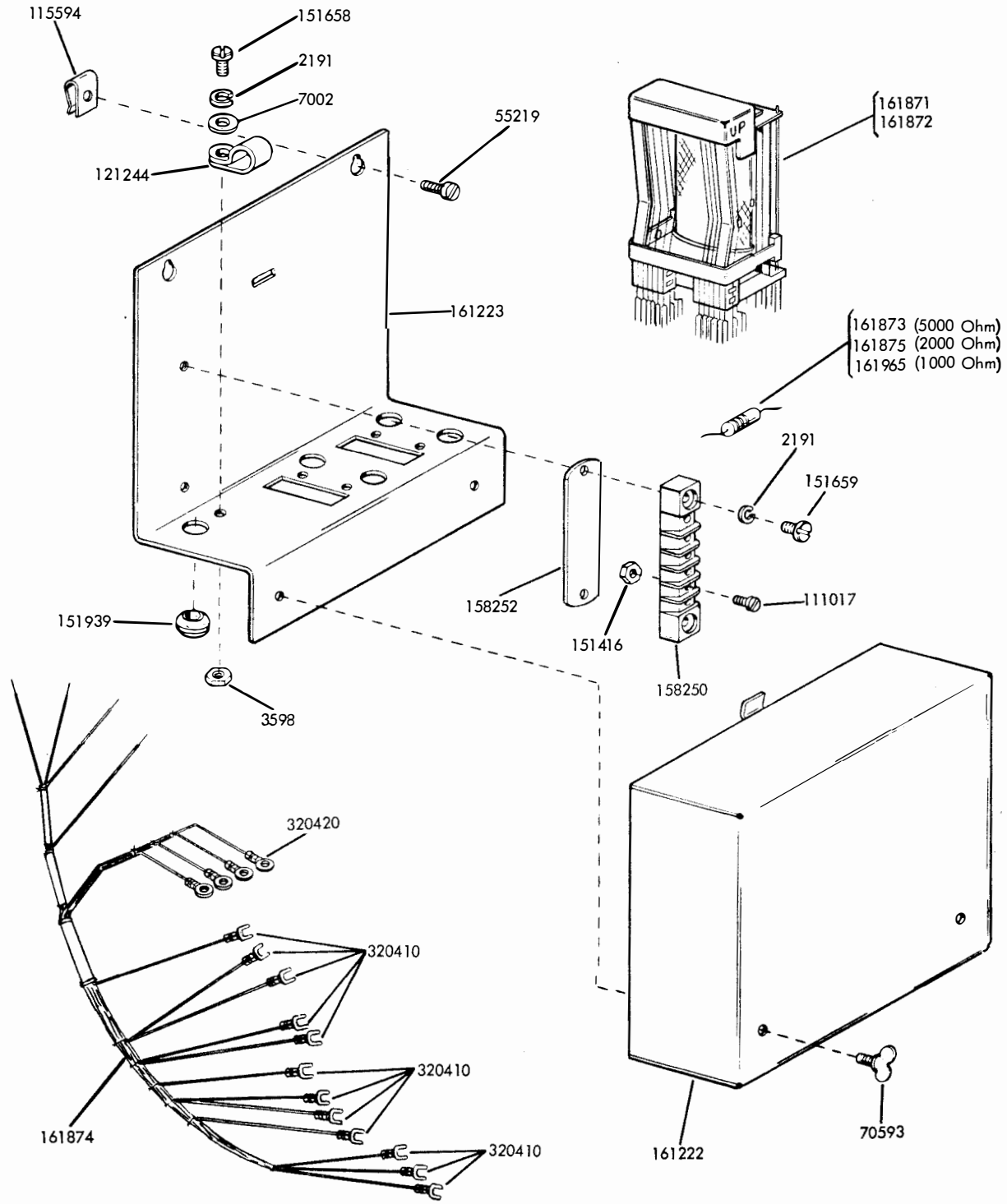


FIGURE 72. 309537 CONTROL PANEL ASSEMBLY



Specification 59005

FIGURE 73. 161302 MODIFICATION KIT TO ADD AUTOMATIC CHARACTER FEED-OUT CIRCUIT TO AN ASR SET

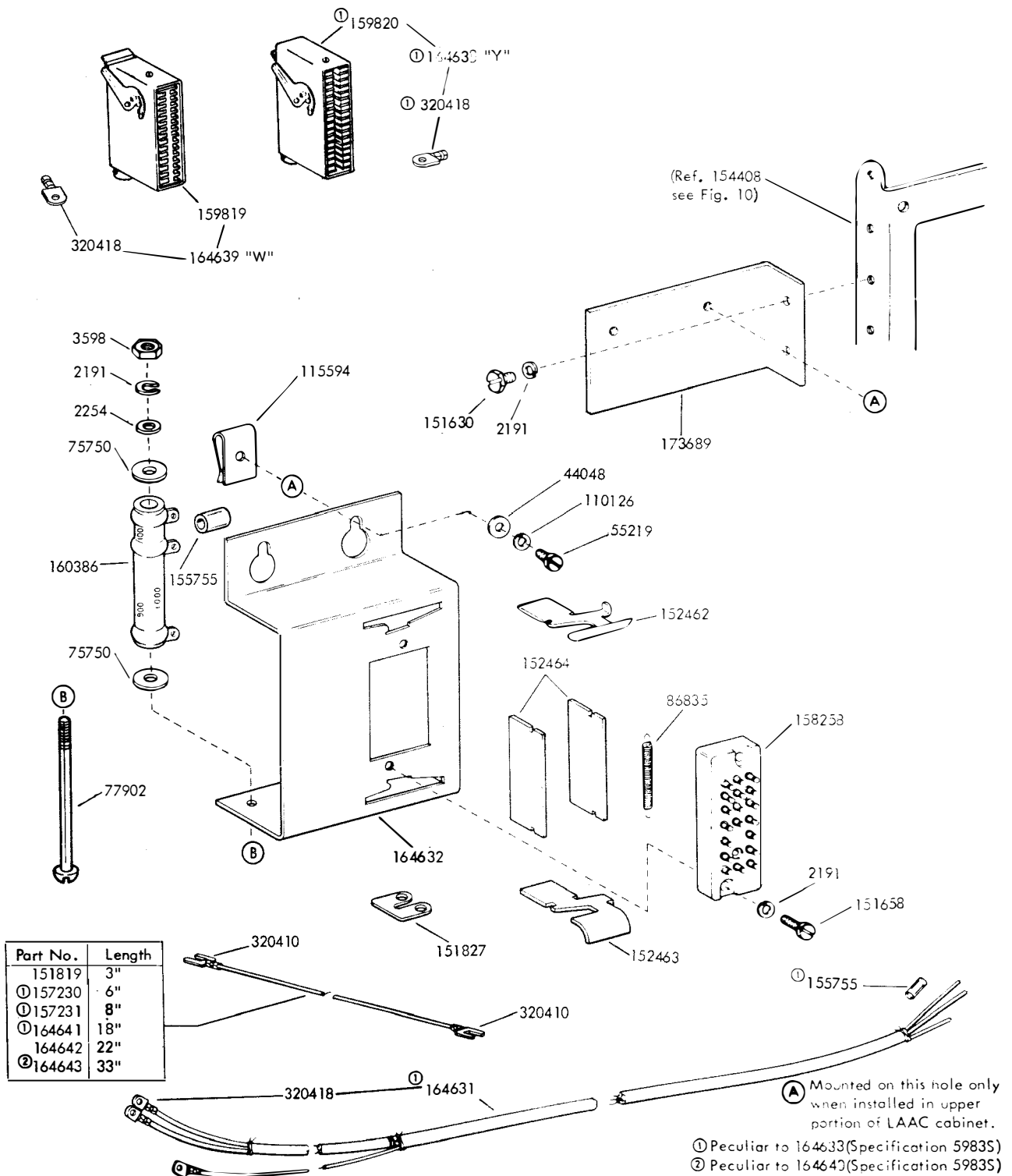
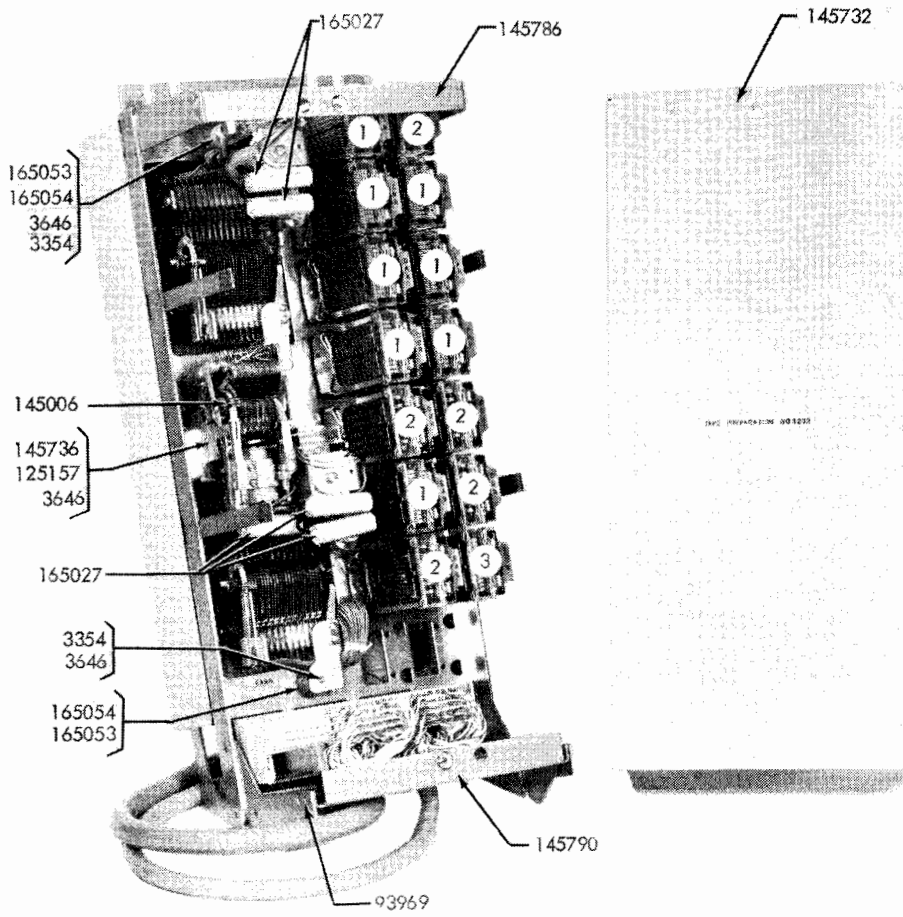


FIGURE 74. 164633 AND 164640 MODIFICATION KITS TO PERMIT LCXD1 AND LAXD3 TRANSMITTER DISTRIBUTORS TO OPERATE WITH LESU13 OR LESU15



RELAYS

- 1. 144979
- 2. 145003
- 3. 145004

FIGURE 75. 145100 TAPE PREPARATION PANEL ASSEMBLY-REAR VIEW

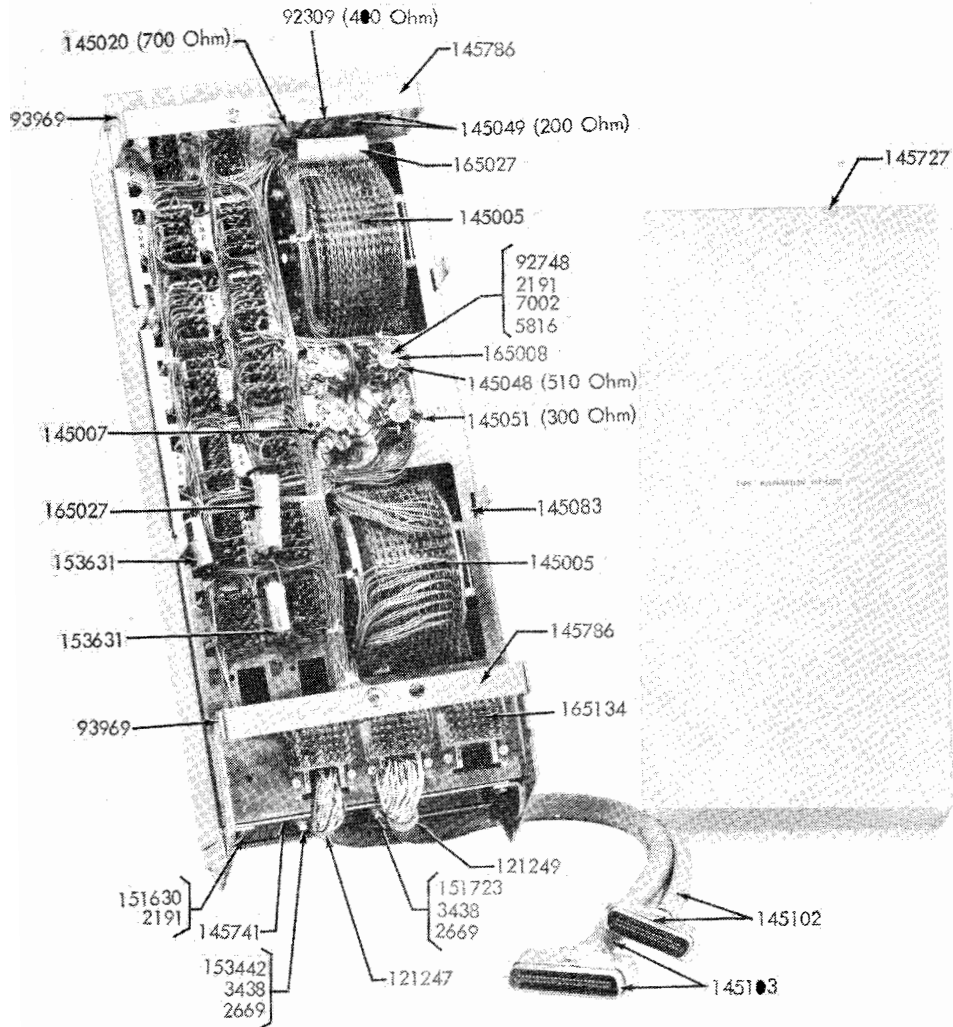


FIGURE 76. 145100 TAPE PREPARATION PANEL ASSEMBLY-FRONT VIEW

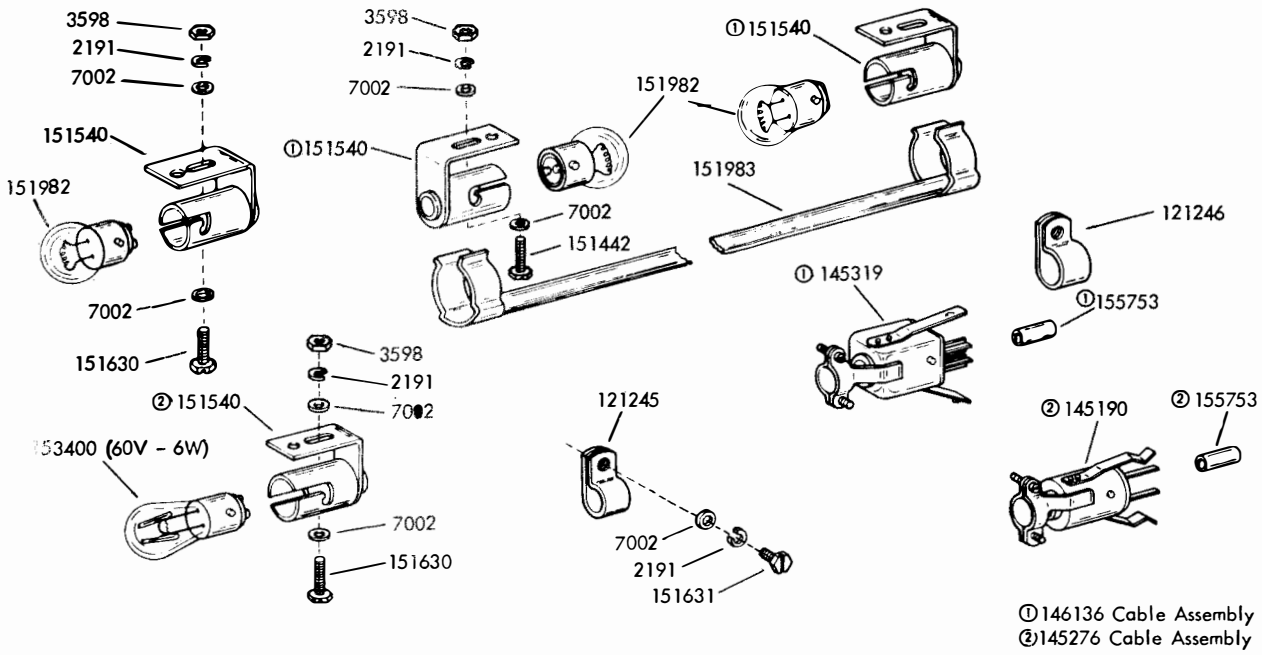


FIGURE 77. 146140 MODIFICATION KIT TO ADD COPYLIGHTS AND GUARD LAMPS

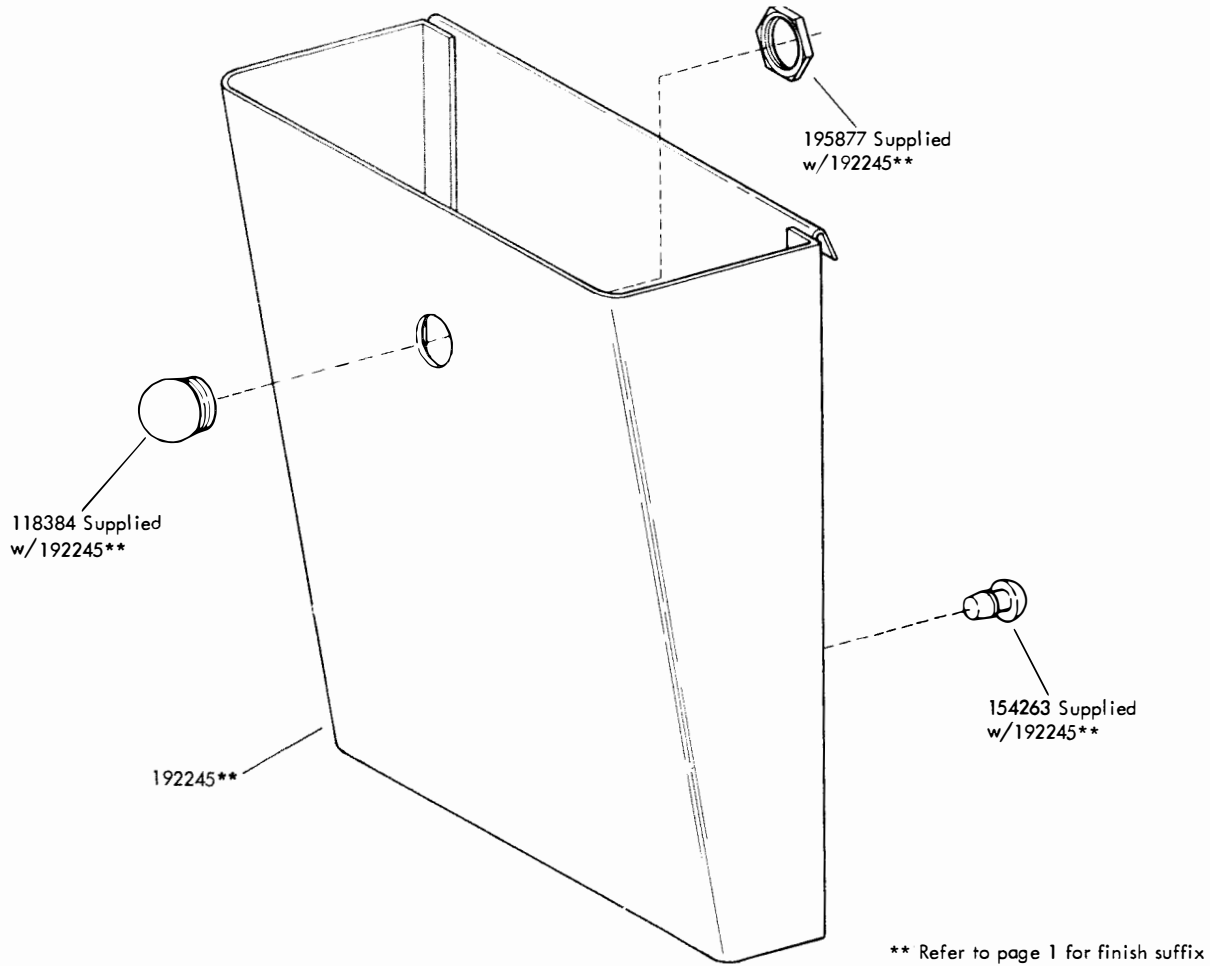
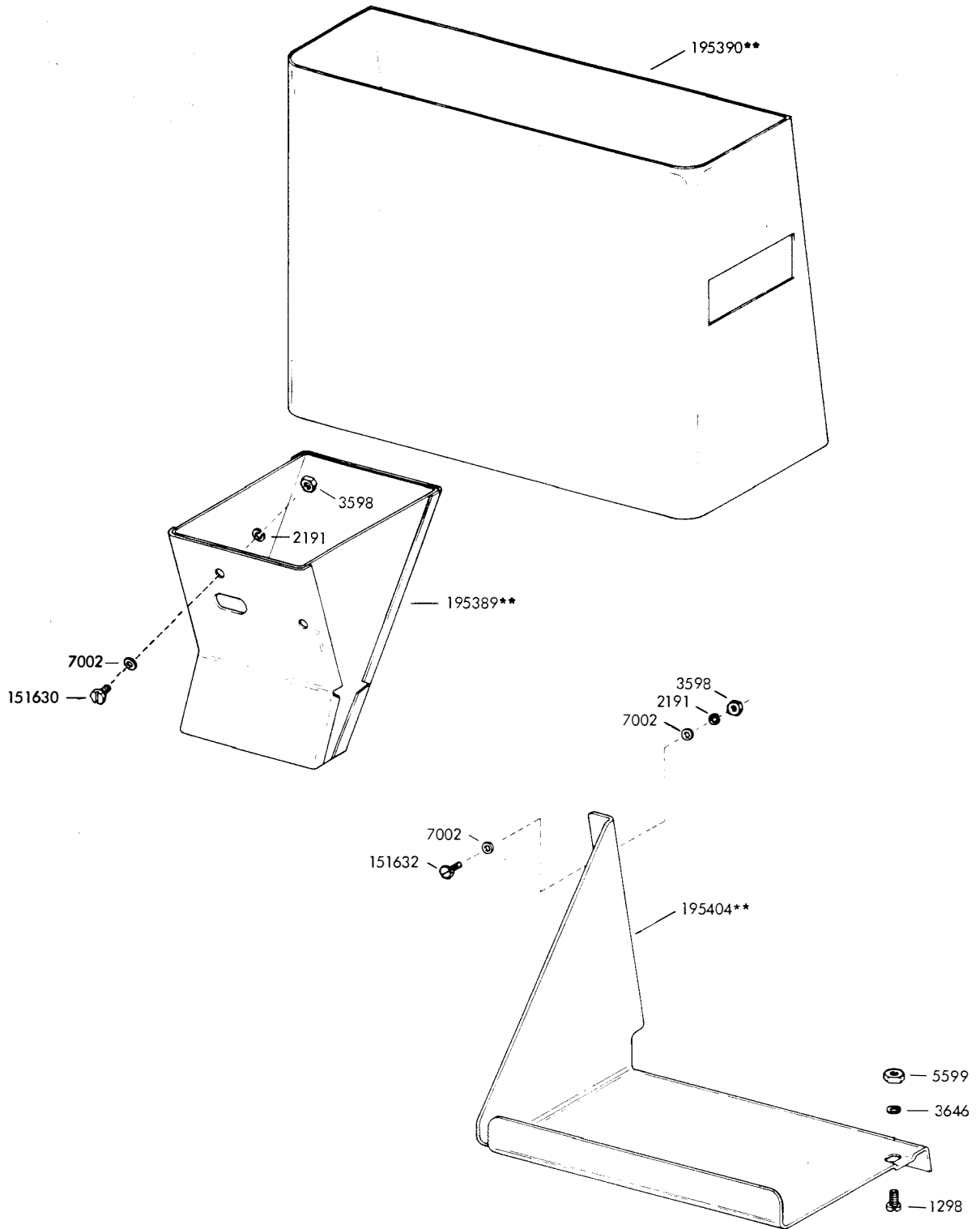


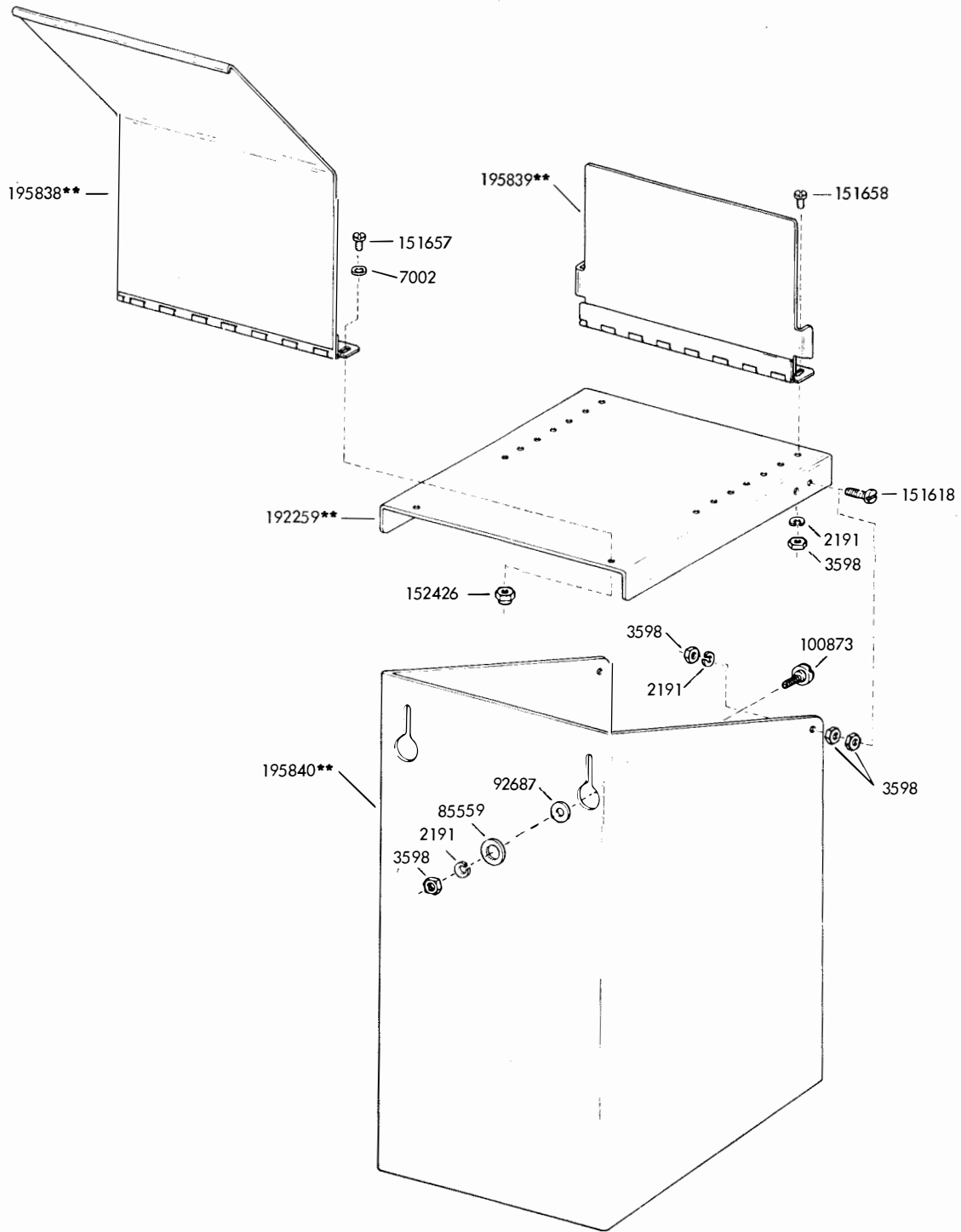
FIGURE 78. 192245** CHAD CONTAINER W/LENS



Specification 500015

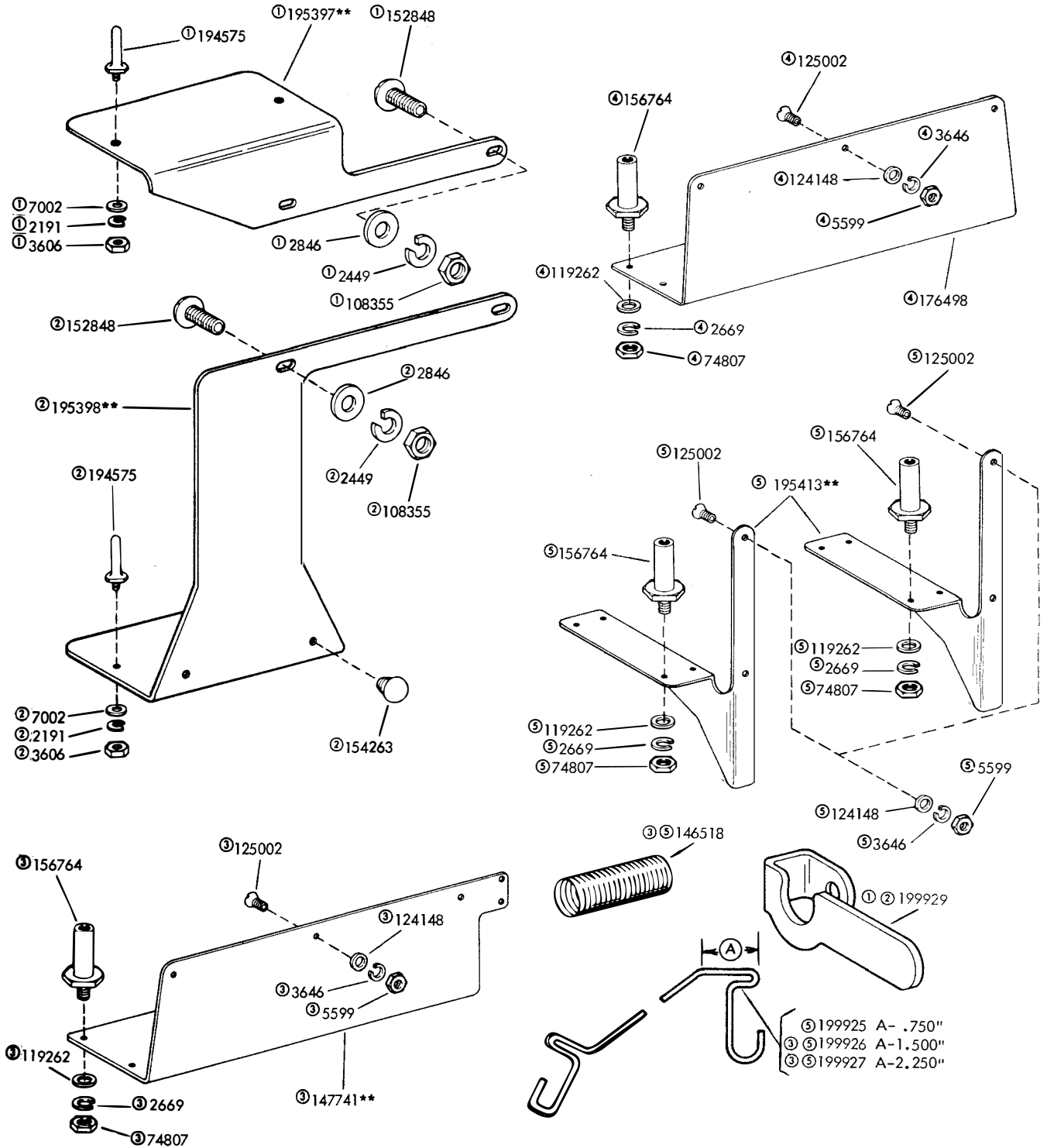
** Refer to page 1 for finish suffix

FIGURE 79. 195391** MODIFICATION KIT TO ADD CHAD CONTAINER FOR THE AUXILIARY AND/OR KEYBOARD REPERFORATOR



** Refer to page 1 for finish suffix

FIGURE 80. 195837** MODIFICATION KIT TO PROVIDE PAPER SUPPLY ACCUMULATING SHELF



**Refer to page 1 for finish suffix

- ① 19510*** Modification Kit (Single Reel) Specification 503145
- ② 195107 Modification Kit (Single Reel) Specification 503235
- ③ 147720** Modification Kit (Double Reel) Specification 504155
- ④ 194856 Modification Kit (Single Reel) Specification 502105
- ⑤ 195106 Modification Kit (Three Reel) Specification 502725

FIGURE 81. MODIFICATION KITS TO PROVIDE MOUNTING SHELF FOR SINGLE, DOUBLE OR THREE REEL RIM DRIVEN TAPE WINDER

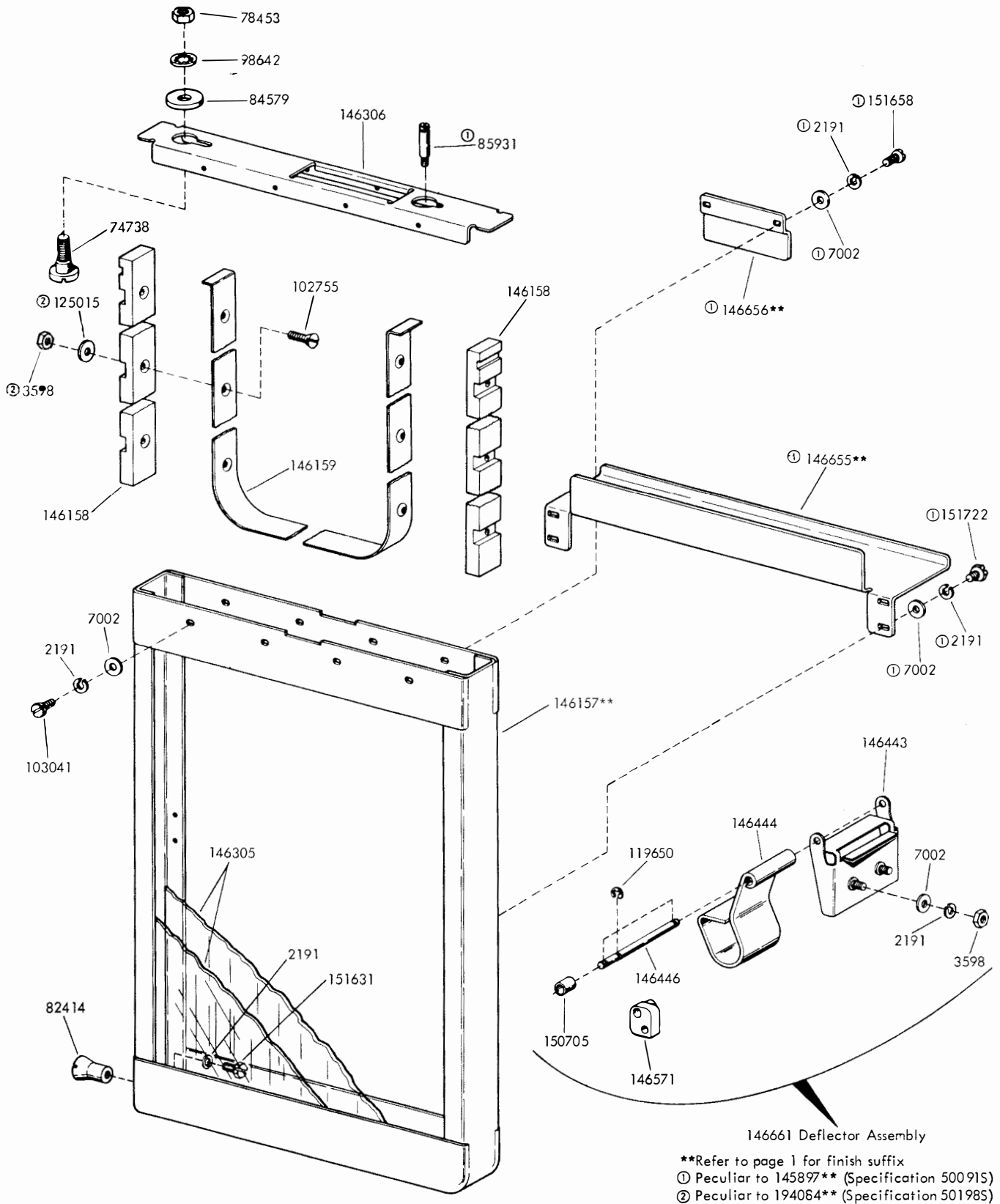
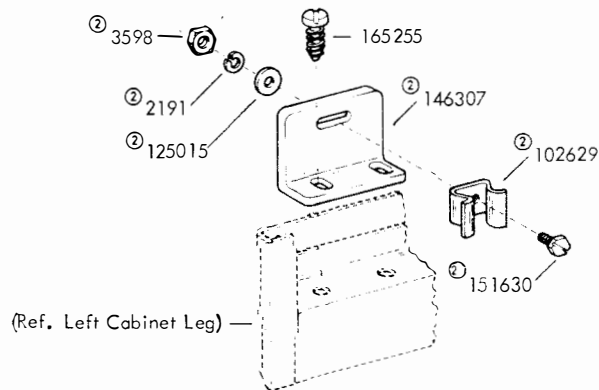
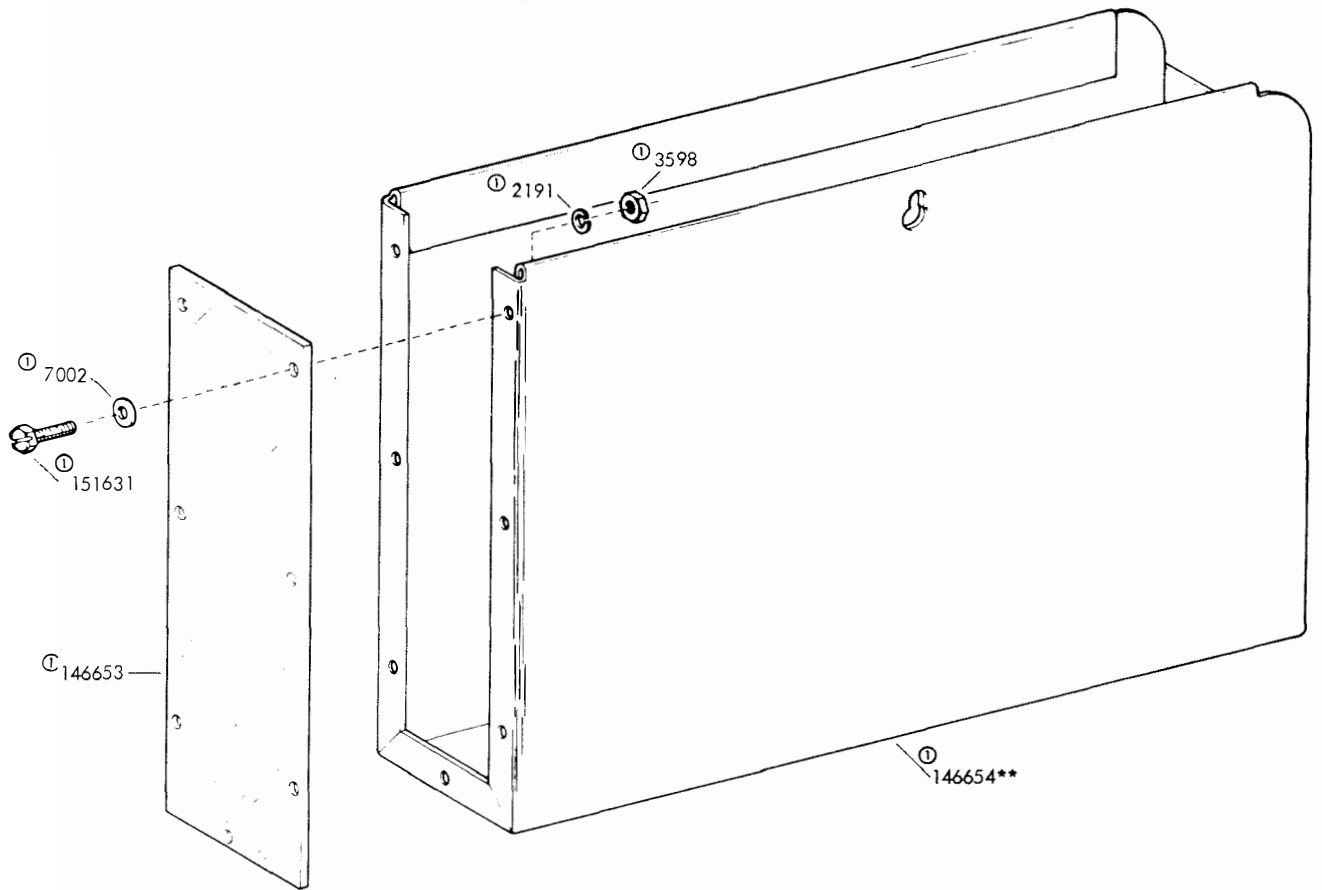


FIGURE 82. 145897** (W/CHAD BOX) AND 194084** MODIFICATION KITS TO ADD TAPE BIN TO CABINET (FOR CHAD BOX, SEE FIGURE 80)



- ① 146660** Chad Box Assembly
- ② 146659 Bracket Assembly

** Refer to page 1 for finish suffix

FIGURE 83. 146660** CHAD BOX ASSEMBLY (PART OF 145897** SEE FIGURE 79.)

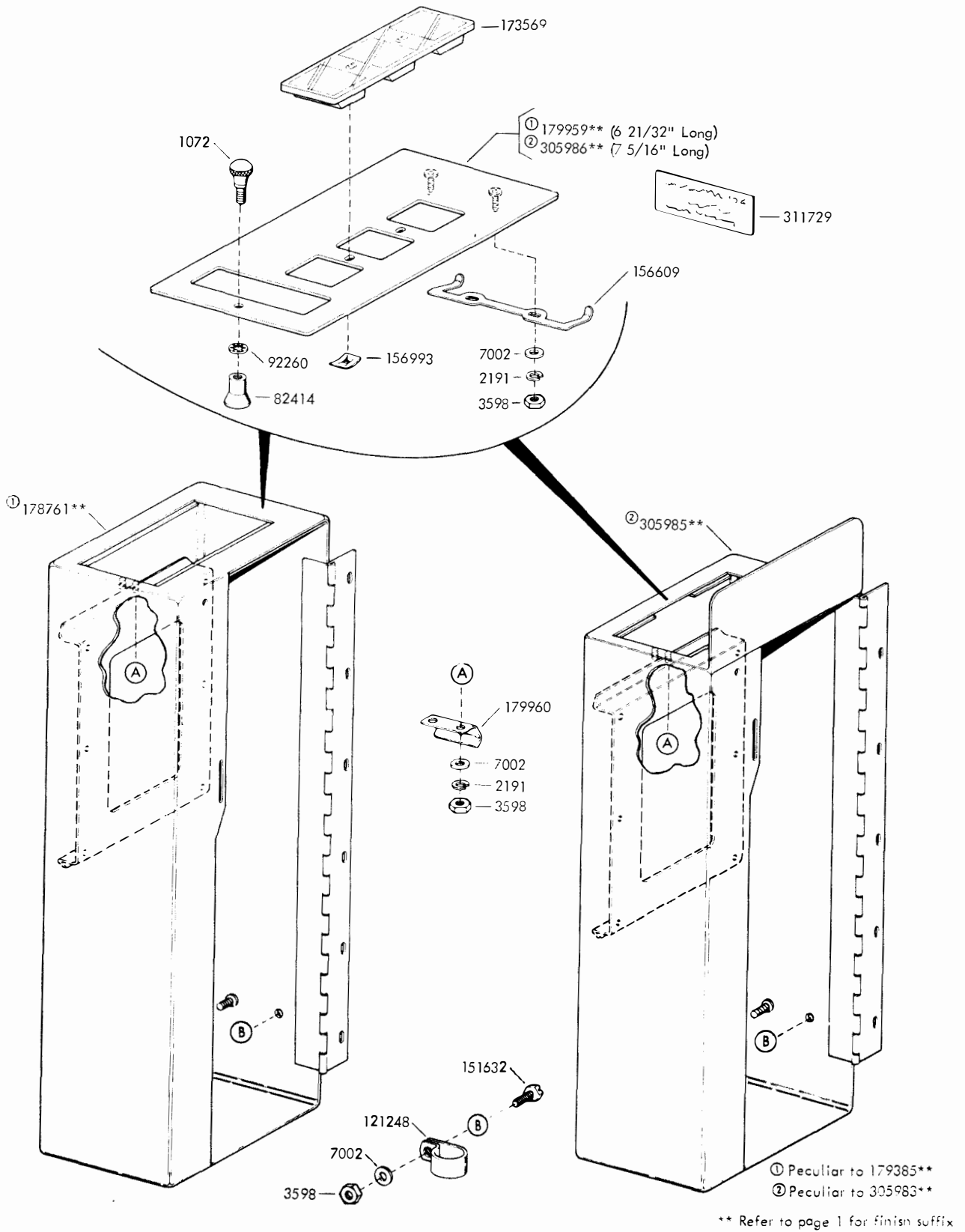


FIGURE 84. 179385** AND 305983** TAPE WINDER-MODULE UNIT DOOR ASSEMBLY

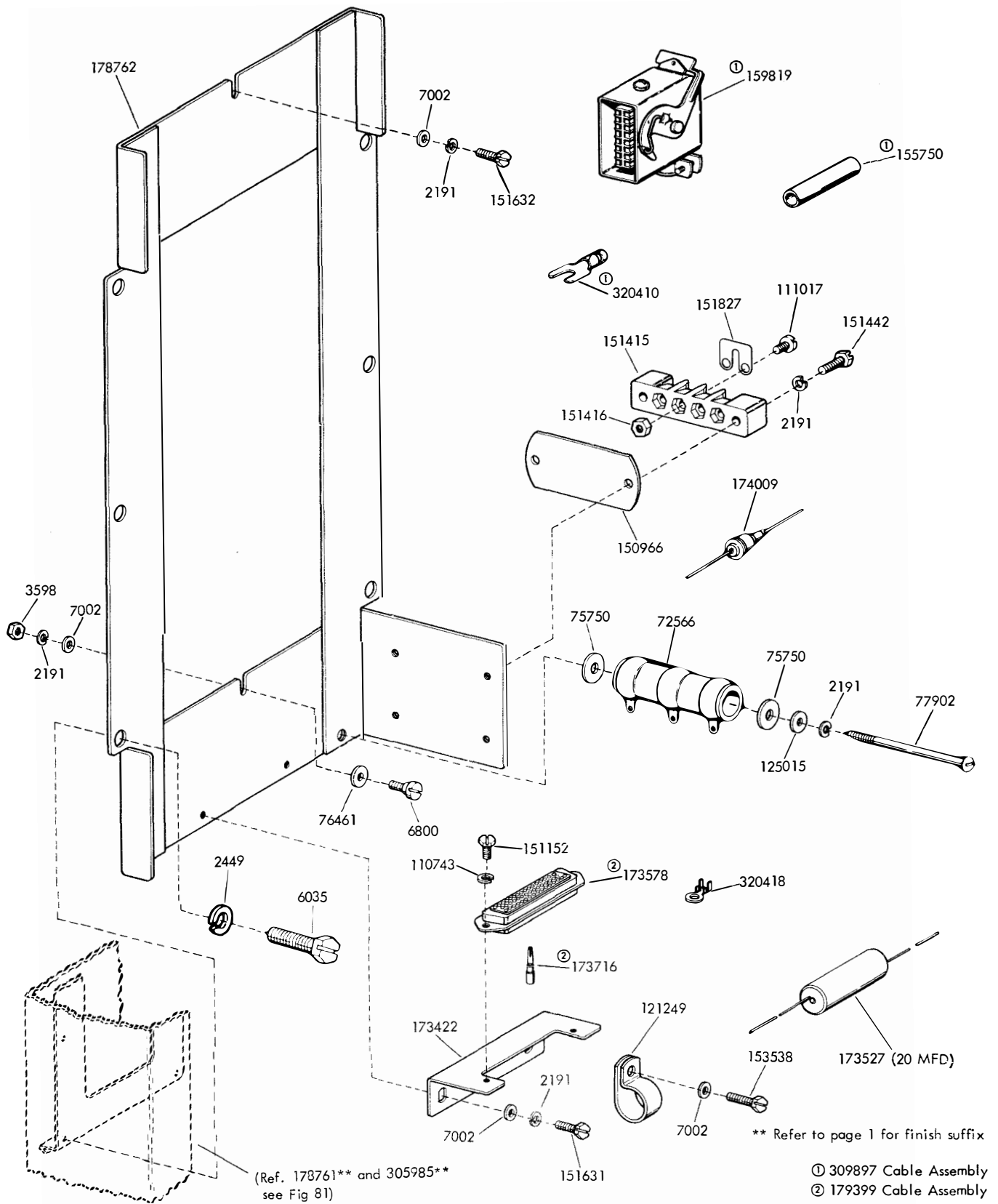


FIGURE 85. 179416 MODIFICATION KIT FOR MOUNTING NUMBERING MODULE

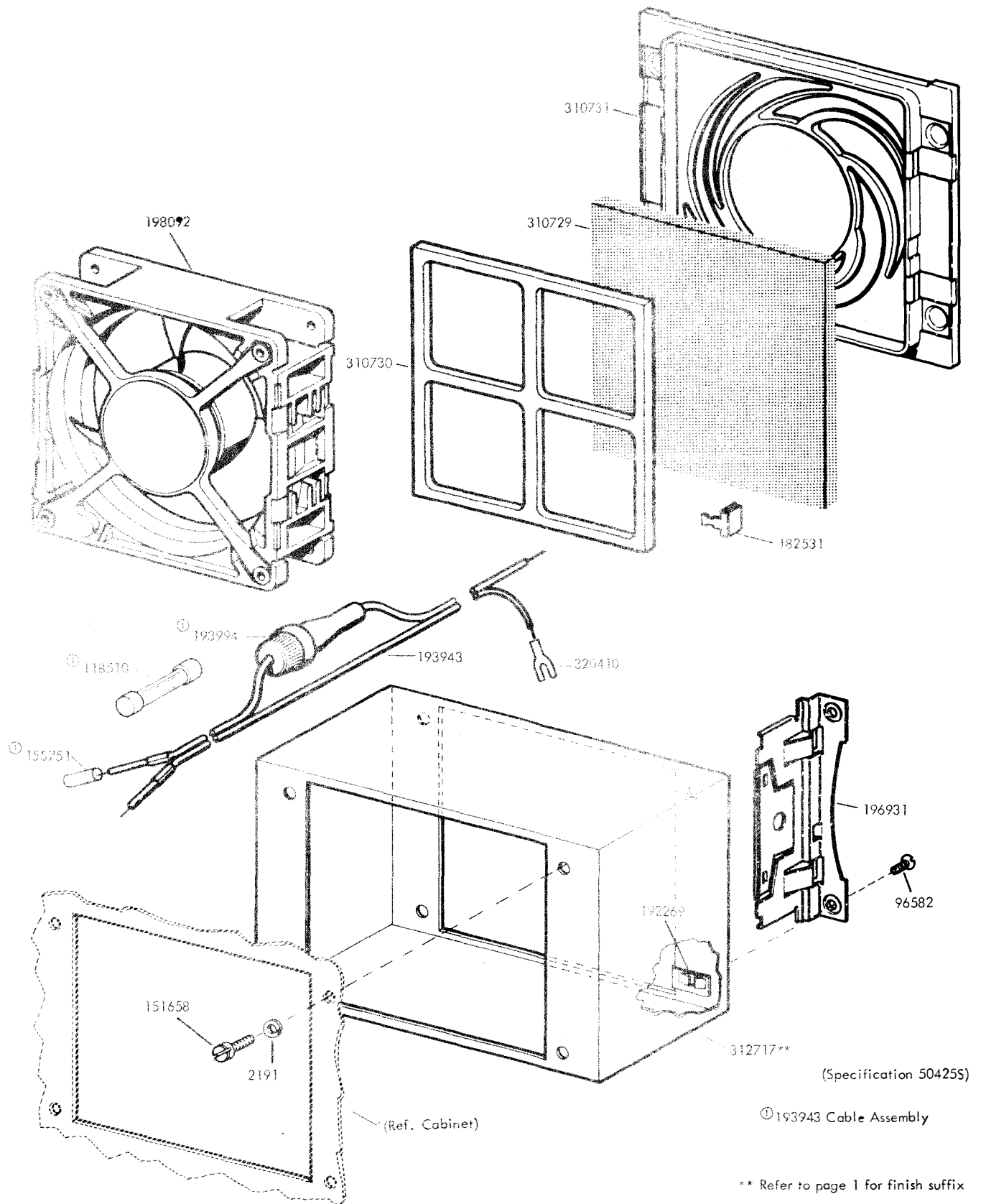


FIGURE 86. 312719** MODIFICATION KIT TO PROVIDE FORCED VENTILATION FOR CABINET

MODIFICATION KITS

MODIFICATION KIT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	FIGURE NUMBER	SPECIFICATION NUMBER
160887**		MODIFICATION KIT TO ADAPT A MODEL 28 CABINET (LAAC209**) FOR USE WITH A TRANSMITTER DISTRIBUTOR (LXD)			58855
	2191	Lockwasher	10	16	
	3598	Nut, 6-40 Hex	6	16	
	7002	Washer, Flat	10	16	
	82730	Screw, 10-32 Shoulder	1	16	
	151631	Screw, 6-40 x 5/16 Hex	2	16	
	151693	Screw, 6-40 x 9/16 Fil	2	16	
	154485**	Housing	1	16	
	154486	Spring, Detent	2	16	
	154487**	Plate	1	16	
	154490**	Crossbar, Left Side	1	16	
	154492	Plate, Nut	1	16	
	160291	Plate	1	16	
160888**		MODIFICATION KIT TO ADAPT A MODEL 28 CABINET (LAAC209**) FOR USE WITH A TRANSMITTER DISTRIBUTOR (LBXD)			58855
	2191	Lockwasher	10	16	
	3598	Nut, 6-40 Hex	6	16	
	7002	Washer, Flat	10	16	
	82730	Screw, 10-32 Shoulder	1	16	
	151631	Screw, 6-40 x 5/16 Hex	2	16	
	151693	Screw, 6-40 x 9/16 Fil	2	16	
	151827	Strap, Terminal	9	15	
	154486	Spring, Detent	1	16	
	154492	Plate, Nut	1	16	
	159394	Modification Kit	1	15	
	160286**	Crossbar	1	16	
	160290**	Plate	1	16	
	160291	Plate	1	16	
	160293**	Cover	1	16	
	160372	Cable Assembly	1		
	160976	Spring, Detent	1	16	
160889**		MODIFICATION KIT TO ADAPT A MODEL 28 CABINET (LAAC210**) FOR USE WITH A TRANSMITTER DISTRIBUTOR (LCXD)			58855
	1253	Screw, 8-32 x 3/8 Rd	2	16	
	2191	Lockwasher	15	2, 3, 16	
	3598	Nut, 6-40 Hex	3	16	
	6344	Screw, 6-32 x 11/32 Hex	2	3	
	7002	Washer, Flat	13	2, 16	
	82730	Screw, 10-32 Shoulder	1	16	
	111017	Screw, 6-40 x 5/16 Fil	4	16	
	115594	Nut, Speed	2	16	
	151631	Screw, 6-40 x 5/16 Hex	2	16	
	151657	Screw, 6-40 x 1/4 Fil	2	2	
	151693	Screw, 6-40 x 9/16 Fil	2	16	
	154492	Plate, Nut	1	16	
	158645**	Crossbar	1	16	
	158646	Bracket, Mounting	1	16	
	158648	Chute, Tape	1	2	
	158683**	Bracket, Housing	1	16	
	158684**	Cover	1	16	
	158685**	Housing	1	16	
	158686**	Plate	1	16	
	158697	Plate, Designation	1	3	

**Refer to page 1 for finish suffix

MODIFICATION KITS (Continued)

MODIFICATION KIT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	FIGURE NUMBER	SPECIFICATION NUMBER
140890**		MODIFICATION KIT TO ADAPT A MODEL 28 CABINET (LAAC310**) FOR USE WITH A TRANSMITTER DISTRIBUTOR (LAXD)			5885S
	1253	Screw, 8-32 x 3/8 RD	2	16	
	2191	Lockwasher	6	2, 3, 16	
	6344	Screw, 6-32 x 11/32 Hex	2	3	
	7002	Washer, Flat	4	2, 16	
	82730	Screw, 10-32 Shoulder	1	16	
	115594	Nut, Speed	2	16	
	151631	Screw, 6-40 x 5/16 Hex	2	16	
	151657	Screw, 6-40 x 1/4 Fil	2	2	
	154492	Plate, Nut	1	16	
	158646	Bracket Mounting	1	16	
	158648	Chute, Tape	1	2	
	158693**	Crossbar	1	16	
	158697	Plate, Designation	1	3	
142234**		MODIFICATION KIT TO ADD TAPE STORAGE AND TAPE WINDING FACILITIES TO LAAC209** CABINET			5908S
	1253	Screw, 8-32 x 3/8 Rd	9	3, 8	
	2191	Lockwasher	14	2, 3, 8	
	2669	Lockwasher	4	3	
	3598	Nut, 6-40 Hex	6	3, 8	
	3639	Lockwasher	10	3, 28	
	7002	Washer, Flat	14	2, 3, 8	
	8333	Screw, 10-32 x 3/8 Rd	4	3	
	84579	Washer, Flat	4	3	
	103387	Catch	1	3	
	111017	Screw 6-40 x 5/16 Fil	6	3, 8	
	112626	Nut, 16-32 Hex	12	3, 28	
	115593	Screw, 10-32 Self-Tapping	9	3	
	115594	Nut, Speed	5	3, 8	
	116783	Holder, Fuse	1	8	
	117535	Washer, Flat	11	3, 8, 28	
	120557	Washer, Flat	9	3	
	121005	Screw, #6 x 3/8 Self-Tapping	2	2	
	121243	Clamp, 3/16 ID Cable	4	3, 8	
	123969	Holder, Cable	1	3	
	125014	Washer, Flat	4	3	
	139158	Connector, Duplex Receptacle	1	8	
	151572	Lockwasher	1		
	151657	Screw, 6-40 x 1/4 Fil	7	3, 8	
	157215	Mount, Vibration	4	3	
	158637	Screw, 10-32 Thumb	1	28	
	158652	Nut, Speed	2	2	
	158660**	Door Assembly, Tapewinder	1	3	
	158663	Stud	2	3, 28	
	158664	Bracket	1	3	
	158665**	Partition	1	3	
	158666**	Box, Outlet	1	8	
	158667	Tray, Tapewinder	1	3	
	158669	Stud	4	3	
	158671	Connector, 3PT Receptacle	1	8	
	159329	Cable	1	8	
	162243**	Bin Assembly, Tape	1	28	

**Refer to page 1 for finish suffix

MODIFICATION KITS (Continued)

MODIFICATION KIT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	FIGURE NUMBER	SPECIFICATION NUMBER
162235**		MODIFICATION KIT TO ADAPT A MODEL 28 CABINET (LAAC209**) FOR USE WITH A TRANSMITTER DISTRIBUTOR			5908S
	2191	Lockwasher	13	16	
	3598	Nut, 6-40 Hex	9	16	
	7002	Washer, Flat	12	16	
	82730	Screw, 10-32 Shoulder	1	16	
	98237	Pin, Long	1	16	
	151631	Screw, 6-40 x 5/16 Hex	2	16	
	151693	Screw, 6-40 x 9/16 Fil	2	16	
	151827	Strap, Terminal	9	14	
	154457	Guide, Tape	1		
	154486	Spring, Detent	1	16	
	154492	Plate, Nut	1	16	
	159394	Modification Kit	1	15	
	160286**	Crossbar	1	16	
	160290**	Plate	1	16	
	160372	Cable Assembly	1		
	160976	Spring, Detent	1	16	
	162236**	Cover w/Studs	1	16	
	162237	Chute, Tape	1	16	
	179493	Guide, Tape	1	16	
179417**		MODIFICATION KIT TO ADAPT A MODEL 28 CABINET (LAAC232**) FOR USE WITH A TRANSMITTER DISTRIBUTOR (LBXD)			5885S
	2191	Lockwasher	10	16	
	3598	Nut, 6-40 Hex	6	16	
	7002	Washer, Flat	10	16	
	82730	Screw 10-32 Shoulder	1	16	
	151631	Screw, 6-40 x 5/16 Hex	2	16	
	151693	Screw, 6-40 x 9/16 Fil	2	16	
	154486	Spring, Detent	1	16	
	154492	Plate, Nut	1	16	
	160286**	Crossbar	1	16	
	160290**	Plate	1	16	
	160291	Plate	1	16	
	160293**	Cover	1	16	
	160976	Spring, Detent	1	16	
162244**		MODIFICATION KIT TO CONVERT LAAC209** CABINET FOR TAPE WINDING AND TAPE STORAGE CONSISTS OF 162234** AND 162235** MODIFICATION KITS			

**Refer to page 1 for finish suffix

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
247M	Coil, Magnet 11	4326	Spring, Compression 8,9	75435	Resistor, 600 Ohm 12,18,38
265	Coil, Magnet 39	4703	Spring 11	75750	Washer, Insulating 12,18,38,55,59,69
267M	Coil, Magnet 39	5599	Nut, 8-32 Hex 63,65	76099	Washer, Flat 8
3028	Screw, 4-40 x 1/4 Fil 11	5816	Washer, Insulating 12,61	76279	Screw, 1/4-32 x 5/8 Hex 10,31,36
3072	Screw, 6-40 Thumb 68	6035	Screw, 1/4-20 x 5/8 Hex 69	76461	Washer, Flat 69
3178	Screw, 2-56 x 7/16 Fil 35	6344	Screw, 6-32 x 11/32 Hex 6,8,71,72	76834	Screw, 4-40 x 3/8 Flat 24
3253	Screw, 8-32 x 3/8 Rd 6,11,16,71,72	6345	Nut, 6-32 Hex 27	77128	Washer, Insulating 38
3257	Screw, 10-32 x 1-1/8 Fil 18	6347	Screw, 6-32 x 3/8 Rd 44	77808	Resistor, 250 Ohm 38
3263	Screw, 6-32 x 1/4 Fil 38	6800	Screw, 6-40 Shoulder 69	77810	Resistor, 300 Ohm 18
3264	Screw, 10-32 x 1/2 Flat 7	7002	Washer, Flat 5 to 9,11 to 19,22 to 24,28 to 30,32 to 35,38,39,41,43,55,58,61 to 69,71,72,73	77902	Screw, 6-40 x 2-3/8 Rd 12,18,38,55,59,69
3268	Screw, 6-40 x 5/16 Flat 30	8333	Screw, 10-32 x 3/8 Rd 5,6,7,10,12,72	78453	Nut, 10-32 Hex 66
3298	Screw, 8-32 x 1/4 Fil 63	8449	Spacer, 0.094" Thk 44	78469	Foot, Rubber 27
3391	Lockwasher 5 to 12,14 to 19,22 to 30,32 to 36,38 to 41,43 to 47,49,51,54,55,58,59,61 to 73	25123	Screw, 1/4-32 x 7/16 Hex 36	79152	Lamp, 48V 44
3394	Washer, Flat 38,59	33765	Washer, Flat 38	79523	Screw, 2-56 x 25/32 Fil 32
3449	Lockwasher 7,8,10,24,25,26,28,29,31,32,36,42,54,65,69	34432	Washer, Flat 6,8,23,35,41,56,57	79890	Screw, 1/4-32 x 7/8 Hex 10
3481	Washer, Flat 27	35551	Screw, 10-32 x 3/8 Flat 44	82020	Bumper 6
3539	Nut, 3/8-32 Hex 20	41663	Washer, Flat 7	82414	Knob, Detent 66,68
3669	Lockwasher, 5,6,7,8,9,10,16,18,30,35,36,41,43,45,47,49,51,53,61,65,72	42827	Screw, 3-48 x 1/4 Fil 44	82702	Screw, 6-40 x 9/32 Flat 41
3846	Washer, Flat 7,10,24,25,26,28,29,32,42,65	43954	Bell 11	82730	Screw, 10-32 Shoulder 16,17,71,72,73
3226	Washer, Flat 31	44048	Washer, Flat 15,59	82833	Washer, Flat 42
3292	Nut, 1/4-20 Hex 5,8	45815	Lockwasher 6,7,10,25	83497	Washer, Flat 54
3354	Nut, 8-32 Hex 52,60	45944	Screw, 8-32 x 5/8 Rd 56,57	84575	Spring 39
3438	Washer, Flat 11,12,18,25,36,41,43,45,47,49,51,53,61	49514	Nut, 8-32 Hex 37,56,57	84579	Washer, Flat 6,8,66,72
3598	Nut, 6-40 Hex 5,6,7,8,11,12,15,16,17,18,22,23,24,27,33,38,39,41,43,46,54,55,58,59,62,63,64,66,67,68,69,71,72,73	49644	Screw, 10-32 Shoulder 8	85198	Screw, 10-32 x 3/16 Hex 7
3599	Nut, 4-40 Hex 8,9,22,55	55088	Spring 39	85559	Washer, Flat 64
3606	Nut, 6-40 Hex 28,29,30,36,39,65	55219	Screw, 8-32 x 3/8 Fil 5,11,58,59	85931	Post, Spring 66
3639	Lockwasher 5,6,7,8,9,10,12,23,35,41,72	61085	Lockwasher 43,44,46,47,50	86742	Nut, 4-40 Hex 50
3640	Lockwasher 5,11,12,22,24,25,26,33,39,42,50,55,	70073	Nut, 3-48 Hex 46,47,50	86835	Spring 59
3646	Lockwasher 11,23,38,44,46,52,54,56,57,60,63,65	70314	Washer, Flat 54	87477	Resistor, 1,000 Ohm 38
3649	Washer, Flat 36	70593	Screw, 6-40 Thumb 58	88083	Resistor, 100 Ohm 38
		70720	Screw, 10-32 Shoulder 8,9,35	90490	Shim, 0.005" Thk 39
		71699	Screw, 10-32 Shoulder 6,8	90560	Washer, Flat 33
		71858	Washer, Flat 7,10	90599	Shim, 0.008" Thk 25
		72566	Resistor, 200 Ohm 69	90790	Washer, Flat 12
		74479	Bushing 12	90814	Resistor, 1,000 Ohm 12
		74594	Ring, Retaining 5	91683	Nut, 5/32-32 Hex 18,20,21,40,42,57
		74615	Resistor, 2,000 Ohm 12,18	91684	Nut, 15/32-32 Ring 18,20,21,40,42
		74738	Screw, 10-32 Shoulder 66	92146	Nut, 1/4-20 Hex 8
		74807	Nut, 10-32 Shoulder Hex 8,9,65	92260	Lockwasher 68
				92309	Resistor, 400 Ohm 61
				92527	Lockwasher 37
				92687	Washer, Flat 64

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
92748	Screw, 6-40 x 1-7/16 Fil 61	108809	Screw, 10-32 x 27/32 Hex 10	119223	Screw, 4-40 x 1-15/32 Fil 43
93108	Lockwasher 25	108959	Switch, DP-ST Toggle 46	119262	Washer, Flat 65
93118	Lockwasher 35	110126	Lockwasher 15,24,59	119367	Screw, 8-32 Set 5,6
93136	Switch, DP-DT Toggle 18	110434	Screw, 4-40 x 3/16 Fil 11	119467	Insulator, 0.032" Thk 35
93160	Washer, Flat 7	110435	Nut, 4-40 Hex 11,24	119634**	Button, Plug 7
93711	Resistor, 200 Ohm 38	110743	Lockwasher 5,9,18,23,25,26,35,36,38,39,43,69	119639**	Button, Plug 5
93959	Key 44	111017	Screw, 6-40 x 5/16 Fil 5,6,11,12,13,16,43,58,69,71,72	119641**	Button, Plug 5
93969	Screw, 4-40 x 3/16 Flat 38,45 to 52, 60,61	111345	Bolt 8	119648	Ring, Retaining 38
94660	Connector 37	111346	Spring, Compression 8	119649	Ring, Retaining 32,39
95063	Connector, 3 Pt Plug 24	111409	Screw, 4-40 x 7/32 Fil 27	119650	Ring, Retaining 66
96509	Roller 41	111410	Washer, Flat 39	119652	Ring, Retaining 39
96582	Screw, 6-32 x 3/8 Flat 70	111777	Connector, 4 Pt Receptacle 40	119653	Ring, Retaining 39
97143	Jack 18	112080	Washer, Flat 17	119907	Grommet, Rubber 18
98237	Pin, Long 16,73	112626	Nut, 10-32 Hex 6,7,8,10,23,25,35,39,41,43,72	119979	Strike, Fastener 6
98642	Lockwasher 7,10,25,32,39,66	112627	Nut, 2-56 Hex 32	120175	Plate, On-Off 20,21,57
98726	Screw, 3-48 x 1/4 Fil 43	113844	Screw, 10-32 x 17/32 Hex 32	120214	Resistor, 6,800 Ohm 55
98819	Knob 44	114478	Nut, 15/32-32 Hex 18,20,40	120557	Washer, Flat 6,72
98869	Spacer 38	114589	Mount, Vibration 7,10	121005	Screw, No. 6 x 3/8 Self-Tapping 5,9,41,72
99978	Connector, 4 Pt. Plug 21	114764	Fastener, Spring 5	121018	Nut, 4-40 Hex 36
100011	Nut, 6-40 Hex 8,12,19	114766	Stud 5	121242	Clamp, 1/8 ID Cable 40
100658	Connector, 2 Pt. Plug 20	115593	Screw, 10-32 Self-Tapping 5,6,35,72	121243	Clamp, 3/16 ID Cable 6,11,12,40,43,53,72
100832	Screw, No. 0 x 3/16 Drive 5	115594	Nut, Speed 5,6,11,15,16,54,56,57,58,59,71,72	121244	Clamp, 1/4 ID Cable 34,40,57,58
100873	Screw, 6-40 Shoulder 64	116698	Lamp, 6V 18	121245	Clamp, 5/16 ID Cable 23,24,40,53,62
101633	Washer, Flat 8,9,39	116783	Holder, Fuse 11,40,43,72	121246	Clamp, 3/8 ID Cable 5,6,40,43,62
102092	Screw, 6-40 x 1-1/32 Rd 12	117366	Jumper, 8-1/2" Green 40	121247	Clamp, 7/16 ID Cable 15,34,38,40,43,45,61
102180	Screw, 6-40 x 1-15/16 Fil 12	117535	Washer, Flat 5,6,10,11,12,16,23,72	121248	Clamp, 1/2 ID Cable 7,12,38,40,43,68
102629	Spring, Detent 67	117730	Resistor, 10 Meg Ohm 49	121249	Clamp, 5/8 ID Cable 38,40,43,45,47,49,51,61,69
102751	Nut, 10-32 Shoulder Hex 8	118154	Resistor, 47,000 Ohm 55	121250	Clamp, 3/4 ID Cable 40
102755	Screw, 6-40 x 7/16 Flat 66	118172	Resistor, 2.2 Meg Ohm 49	121251	Clamp, 1 ID Cable 38,40
103041	Screw, 6-40 x 1/4 Fil 66	118193	Resistor, 10,000 Ohm 55	121416	Roller 17
103092	Connector, Cord 5	118193	Resistor, 10,000 Ohm 55	121418	Screw, 6-40 Shoulder 17
103387	Catch 6,72	118206	Resistor, 12,000 Ohm 55	121551	Screw, 8-32 x 1/4 Hex 38
103782	Screw, No. 2 x 1/8 Drive 8,9	118384	Resistor, 12,000 Ohm 55	122476	Screw, No. 6 Self-Tapping 6,18,23,41
104124	Screw, 1/4-32 x 11/32 Hex 10	118510	Lens, Clear Indicator Light 62	123969	Holder, Cable 6,72
104701	Screw, 4-40 x 9/32 Fil 40,55	118511	Fuse, 1/4 Amp 70	124148	Washer, Flat 65
104807	Washer, Flat 5,33,43	118659	Fuse, 1/8 Amp 43	124220	Pin, Drive 40
105029	Washer, Flat 10	118720	Switch, Toggle 40	124612	Screw, 8-32 x 1/2 Hex 15,45,54
106047	Screw, 1/4-32 x 1/2 Hex 31	118720	Resistor, 100K Ohm 49	124741	Lockwasher 23,24
107116	Lockwasher 5,8,12	118723	Resistor, 1,000 Ohm 55	124999	Switch, Sensitive 32,35
107393	Switch, SP-ST Toggle 42	118724	Resistor, 220 Ohm 47		
108355	Nut, 1/4-20 Hex 24,25,26,28,29,32,42,65				

**Refer to page 1 for finish suffix

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
145002	Screw, 8-32 x 3/8 Flat 65	144939**	Bracket, Mounting 7	145089	Bracket, Mounting 43
145004	Screw, 8-32 x 1/4 Rd 23	144950**	Housing, Key & Lamp 9	145090	Strap 43
145010	Washer, Insulating 18	144953**	Tray, Message 9	145091	Plate, Fuse 43
145011	Washer, Flat 9,23,27 35, 36,39	144958**	Container, Chad 9	145092	Relay 46
145014	Washer, Flat 6,31,72	144979	Relay, 700 Ohm 60	145093	Relay 46
145015	Washer, Flat 5,11,17,27, 36,66,67,69	145000	Panel Assembly 3,43	145096	Cable Assembly 43
125137	Screw, 10-32 x 1/2 Rd 10	145001	Cable Assembly 43	145097	Cable Assembly 43
125139	Screw, 4-40 x 1/8 Fil 40	145002	Relay 46,48,50,52	145098	Cable Assembly 43
125157	Screw, 8-32 x 7/8 Fil 46, 60	145003	Relay 18,46,50,52,60	145100	Panel Assembly, Relay 3, 60,61
125170	Screw, 8-32 x 5/16 Fil 37, 44	145004	Relay 60	145102	Cable Assembly 61
125186	Screw, 8-32 x 3/4 Fil 56, 57	145005	Switch, Stepping 61	145103	Cable Assembly 61
125202	Screw, 3-48 x 1/8 Fil 38	145006	Switch, Stepping 60	145105	Cable Assembly 45
125206	Screw, 6-32 x 5/8 Fil 47	145007	Diode 45,47,49,51,61	145106	Cable Assembly 45
125218	Nut, 1/4-32 Hex 7,10,54	145009	Relay 45,46,48,52	145107	Cable Assembly 45
125224	Nut, 1/4-32 Hex 31	145011	Cable Assembly 43	145108	Cable Assembly 45
125231	Nut, 10-32 Hex 7,8,10,36	145017	Rectifier 53	145109	Cable Assembly 49
125802	Washer, Flat 24	145019	Switch, Wafer 44	145136	Cable Assembly 42
126986	Screw, 1/4-32 x 19/32 Hex 54	145020	Resistor, 700 Ohm 61	145175	Plate, Adapter 53
128357	Ring, Retaining 5	145022	Relay 18,48	145177	Channel 7
128896	Switch, Toggle 42,46	145025	Cable Assembly 43	145178	Angle, Support 7
129255	Resistor, 800 Ohm 18	145027	Switch, Stepping 46	145179	Bracket 7
129382	Grommet, Rubber 45	145028	Switch, Stepping 51	145181	Plate, Nut 53
129854	Resistor, 10,000 Ohm 49	145029	Buzzer 44	145182	Strip Assembly, Terminal 43
129919	Fuse, SL-BL 4 Amp 11	145030	Cable Assembly 43	145185	Cover 9
130683	Lockwasher 21	145031	Plate, Designation 44	145190	Connector, 2Pt Plug 62
139158	Connector, Duplex Receptacle 11,72	145033	Resistor, 500 Ohm 45	145200	Panel Assembly, Key & Lamp 3,44
139159	Connector, 3 Pt Plug 23	145034	Resistor, 3,300 Ohm 49	145204	Power Supply, 48V DC 3,53
139175	Clamp, Window 5	145035	Capacitor, 0.001 MFD 49	145211	Panel, Red Plastic 44
139971	Screw, 2-56 Self-Tapping 5	145036	Board, Terminal 52	145218	Cable Assembly 43
142269	Fuse, SL-BL 3 Amp 43	145037	Plate, Adapter 43	145221	Resistor, 2.5 Meg Ohm 50
143306	Fuse, SL-BL 1 Amp 43	145038	Bracket, Mounting 7	145225	Panel Assembly, Relay 3, 47,48
144518	Cable 43	145039	Bracket, Mounting 7	145228	Cable w/Terminal 44
144603	Cable Assembly 51	145048	Resistor, 510 Ohm 61	145229	Terminal 47
144604	Cable Assembly 51	145049	Resistor, 200 Ohm 61	145243	Cable Assembly 43
144605	Cable Assembly 47	145050	Panel Assembly, Relay 3,45 46	145250	Panel Assembly, Alarm Relay 3,49,50
144613	Bell Assembly, Signal 43	145051	Resistor, 300 Ohm 61	145276	Cable Assembly 62
144614	Chute, Chad 7	145052	Capacitor, 1 MFD 51	145319	Receptacle, 4 Pt Plug 62
144615	Cable Assembly 43	145053	Bracket, Chad Chute 7	145320	Receptacle, 4 Pt Connector 21
144629	Plate, Adapter 43	145057	Cable Assembly 53	145349	Relay 46,50
144777	Plate, Nut 7	145059	Panel, Plastic 44	145350	Panel Assembly, Intercept Relay 3,51,52
144799	Cable Assembly 24	145060	Panel, Rubber 44	145711	Stud 9
144937**	Housing 9	145066	Cable Assembly 53	145725	Cover, Front 47,49
144938	Bracket, Mounting 7	145070	Shield, Key & Lamp 44	145726	Cover, Front 51
		145083	Plate 61		
		145084	Plate 48		
		145085	Plate 46		
		145086	Plate 50		
		145087	Plate 51		
		145088	Bracket, Mounting 43		

**Refer to page 1 for finish suffix

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
145727	Cover, Front 61	146558	Screw, 6-40 Shoulder 24	151560	Bell Assembly, Remote 2, 11,43
145728	Cover, Front 45	146560	Panel, Front 24	151562	Lamp, 115V Incandescent 8
145730	Cover, Rear 48,50	146561	Panel, Rear 24	151564	Bracket 11
145731	Cover, Rear 52	146562	Hub 24	151565	Bushing, Shoulder 11
145732	Cover, Rear 60	146563	Guide 24	151567	Armature w/Clapper 11
145733	Cover, Rear 46	146571	Latch, Deflector 66	151569	Strap 7,10
145736	Block, Mounting 46,60	146653	Window 67	151571	Cable w/Terminals 5,43
145739	Bracket, Tie 47,49	146654**	Box, Chad 67	151752	Lockwasher 72
145740	Bracket, Tie 51	146655**	Bracket 66	151574	Grommet, Rubber 11
145741	Bracket, Tie 61	146656**	Bracket 66	151576	Arm, Stop 8
145742	Bracket, Tie 45	146659	Bracket Assembly 67	151577	Screw, 6-40 Shoulder 11
145748	Bracket, Cable 7	146660**	Box Assembly, Chad 3,67	151579	Plate, Retaining 11
145752	Clamp, Cable 46	146661	Deflector Assembly 66	151616	Screw, No. 2 Self-Tapping 5
145753	Bushing 46	146814	Clamp, Window 6	151618	Screw, 6-40 x 7/16 Fil 6, 38,64
145754	Plug, Dummy 43	147008	Connector, 2 Pt Receptacle 40	151630	Screw, 6-40 x 1/4 Hex 5, 12,15,23,24,34,36,39,41, 43,45,47,49,51,59,61,62, 63,67
145784	Strap, Tie 47,48,49,50	147720**	Modification Kit 65	151631	Screw, 6-40 x 5/16 Hex 5, 8,12,15,16,17,26,33,43,62, 66,67,69,71,72,73
145785	Strap, Tie 51,52	147741**	Shelf, Mounting 65	151632	Screw, 6-40 x 3/8 Hex 23, 24,27,33,35,41,54,63,68, 69
145786	Strap, Tie 60,61	150040	Screw, 6-40 x 5/8 Fil 8,27	151637	Screw, 4-40 x 1/4 Fil 12,21,24,25,26,36,39, 42,50
145787	Strap, Tie 45,46	150323	Washer, Flat 55	151657	Screw, 6-40 x 1/4 Fil 5, 6,8,10,11,13,14,17,26, 32,38,43,64,71,72
145788	Bracket, Tie 48,50	150543	Screw, 3-48 x 13/32 Fil 46,47,50	151658	Screw, 6-40 x 5/16 Fil 12, 38,58,59,64,66,70
145789	Bracket, Tie 52	150652	Screw, 4-40 x 37/64 Fil 55	151659	Screw, 6-40 x 1/2 Fil 12,15,17,43,58
145790	Bracket, Tie 60	150705	Bushing 66	151685	Screw, 4-40 x 5/16 Fil 5, 12,25,26,55
145791	Bracket, Tie 46	150966	Insulator, Terminal Block 43,69	151692	Screw, 6-40 x 3/16 Fil 8,9
145897**	Modification Kit 3,66,67	150978	Screw, 6-40 x 1-1/8 Fil 46	151693	Screw, 6-40 x 9/16 Fil 16, 17,43,71,73
145898**	Modification Kit 2,24	150982	Screw, 4-40 x 7/16 Fil 39	151694	Screw, 6-40 x 11/32 Fil 38
146133	Cover w/Post 9	151073	Screw, 4-40 x 5/32 Fil 24	151722	Screw, 6-40 x 3/16 Hex 8, 9,12,24,34,66
146136	Cable Assembly	151152	Screw, 4-40 x 3/16 Hex 5, 24,33,35,39,69	151723	Screw, 10-32 x 3/8 Hex 6, 7,9,10,16,18,30,35,41,43, 61
146140	Modification Kit 3,62	151229	Washer, Flat 32,41	151737	Screw, 4-40 x 11/64 Hex 23
146141**	Panel, Right Front 7	151335	Stud 13,14		
146142**	Panel, Left Front 7	151346	Screw, 6-40 x 3/8 Fil 7, 11,15,28,38		
146143	Blade 24	151415	Block, Terminal 43,69		
146157**	Frame, Tape Bin 66	151416	Nut, 6-40 Hex 43,58,69		
146158	Separator, Panel 66	151442	Screw, 6-40 x 1/2 Hex 12, 62,69		
146159	Liner 66	151511	Gasket 9,34		
146305	Panel 66	151512	Seal, Noise 5		
146306	Cover, Tape Bin 66	151526	Screw, 10-32 Thumb 5		
146307	Bracket, Mounting 67	151532**	Cover, Form Slot 6		
146308**	Frame, Tape Bin 24	151534	Screw, 10-32 Shoulder 8		
146309**	Cover, Tape Bin 24	151540	Lampholder 8,12,40,62		
146310**	Plate 24	151545	Guide, Paper 8,9		
146311**	Bracket, Mounting 24	151549	Post 7,10		
146312	Guide, Tape 24	151555	Foot, Mounting 5,7		
146315	Bracket, Motor 24	151556	Knob w/Set Screw 22		
146318**	Housing, Motor 24	151558	Nut, Speed 8,9,12		
146443	Bracket 66				
146444	Deflector, Tape 66				
146446	Shaft 66				
146518	Roller, Spring 65				
146556	Motor 24				
146557	Cable Assembly 24				

**Refer to page 1 for finish suffix

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
153001	Bushing, Clamp 5	153487	Cable Assembly 12	154411**	Panel, Control 19
153018	Jumper, 4-1/4" Black 40	153492	Connector, 3 Pt Plug 24,43	154412	Stud 13
153019	Jumper, 3" Black 13,40, 59	153493	Connector, 3 Pt Receptacle 24	154415	Spring, Torsion 8
153017	Strap, Terminal 13,15, 59,69,71,73	15334	Washer, Flat 46	154416	Plate, Adjusting 16
153022	Clamp 55	153537	Screw, 6-40 x 9/32 Hex 25	154418	Spring, Flat 10
153098	Modification Kit 3,37	153538	Screw, 6-40 x 7/16 Hex 69	154419	Window, Plastic 8
153082	Lamp, 6V Incandescent 62	153539	Screw, 6-40 x 11/16 Hex 38	154421**	Door, Left Front 8
153083	Shield, Light 62	153631	Network, Spark Suppression 18,38,45,47,49,51,61	154423	Window, Glass 8
153088	Modification Kit 37	153799	Screw, 4-40 x 21/64 Hex 5, 39	154424	Gasket 8
153089	Suppressor, Electrical Noise 37	153839	Screw, 6-40 x 5/8 Hex 5	154426**	Door 8
153426	Nut, 6-40 Self-Locking 64	153841	Screw, 6-40 x 9/16 Hex 39	154427	Clamp 8
153462	Latch, Right 59	153901**	Modification Kit 2,27	154431**	Door, Right Front 8,34
153463	Latch, Left 59	154047	Post, Spring 39	154433	Clamp 8,9
153461	Insulator, 0.062" Thk 59	154248	Nut, Speed 5,8,9	154436**	Door, Right Top 8,27
153466	Connector, 20 Pt Receptacle 40	154249	Screw, No. 88 Self--Tapping 5,8,9	154437	Insulator, Terminal Block 13
153755	Strap, Terminal 13,15	154251	Latch 9	154438	Insulator, Terminal Block 13
153768	Window, Glass 9	154252**	Panel, Lower Door 7	154439	Insulator, Terminal Block 13
153797**	Plate, Retaining 6	154256	Screw, 4-40 Thumb 9	154442	Shaft 6
153848	Screw, 1/4-20 x 3/4 Rd 24,25,26,28,29,32,42,65	154259	Screw, No. 6Z Self-Tapping 7,9	154443	Shaft 5
153893	Screw, 4-40 x 1/4 Hex 23	154263	Bumper, Rubber 9,62,65	154444	Fork 5
153899**	Holder 32	154273**	Bar, Tie 7	154445	Knob 6
153910**	Modification Kit 2,32	154276	Stop, Dome 9	154446	Cover 13,14
153017	Nut, Speed 7,54	154293**	Plate 7	154449	Shaft 5
153020	Guide, Line 12	154294**	Bracket, Mounting 7	154451	Bracket, Latch 8
153021	Spring, Torsion 12,25,26	154298**	Door 9	154452	Cover 13,14
153022	Bushing 12,25,26	154301**	Dome 9	154456	Coverplate 5
153023	Handle 5,12,25,26	154336	Rivet, Drive 5	154457	Guide, Tap ϵ 73
153027	Post 12	154348	Plate, On-Off Instruction 5	154459	Fork 5
153037	Spring 5	154363	Nut, Speed 7	154462	Bracket 5
153048	Stud, Wing Head 5	154371	Post 7	154463	Mount, Vibration 10
153099	Arm, Pivot 25,26	154378	Pad, Dome 9	154479	Cover 13
153104**	Bracket 25	154379	Pad, Base 7	154481	Bar, Left Torsion 8
153106**	Plate, Bearing 25	154382	Plate, Mounting 7	154482	Bar, Right Torsion 8
153107	Arm 25,26	154383	Plate, Left Side 7	154483	Bolt, 1/4-20 Eye 5
153113	Guide, Line 25,26	154384	Plate, Right Side 7	154484	Nut, 1/4 20 Shoulder 5
153126	Plate, Nut 25,26	154385	Post 7	154485**	Housing 16,71
153130**	Copyholder 25	154401	Stud 8	154486	Spring, Detent 16,71,73
153400	Lamp, 60V Incandescent 12,62	154402	Spring, Torsion 8	154487**	Plate 16,17,71
153442	Screw, 10-32 x 1/2 Hex 7, 34,36,45,47,51,53,61	154404	Tray, Copyholder 12	154490**	Crossbar, Left Side 16, 17,71
153455	Resistor, 600 Ohm 12	154406	Block, Terminal 13,14	154492	Plate, Nut 16,17,71,72, 73
153459	Block, Terminal 13,14,15	154407	Latch 8,9	154496**	Panel, Front 5,6
153466	Cover 13	154408	Bracket 12,18,59	154497	Window, Plastic 5
153484	Screw, 6-32 Spl 13,14,15	154409	Plate 5	154498	Plate 16
		154410**	Dome 8	154651	Modification Kit 3,37
				154655	Suppressor, Electrical Noise 37

**Refer to page 1 for finish suffix

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
154695**	Bracket 27	157158	Cable Assembly 11,12	158645**	Crossbar 16,71
154697	Grommet, Rubber 27	157159	Plate 12	158646	Bracket, Mounting 16,71, 72
154756	Modification Kit 3,35	157215	Mount, Vibration 6,72	158647	Chute, Tape 5
154868	Plate 27	157230	Jumper, 6" Black 40,59	158648	Chute, Tape 5,71,72
154869**	Bracket 25	157231	Jumper, 8" Black 40,59	158649	Screw, 4-40 Thumb 8
155023	Switch, DP-DT Toggle 20, 21,40,57	157232	Jumper, 9-1/4" Black 40	158651**	Door 8,22
155045	Switch, SP-DT Toggle 40	157393	Grommet, Rubber 40	158652	Nut, Speed 5,9,72
155083	Lens, Red Indicator Light 8,9,12	157399	Connector, 35 Pt Receptacle 40	158653	Spacer 17
155085**	Bracket 25	157980	Extension 35	158656	Window, Glass 8
155086	Pad, Rubber 25	157981	Bracket 35	158657	Clamp 8
155087	Screw, 1/4-20 x 7/16 Rd 25	157982	Lever w/Hub 35	158658	Gasket 8
155560	Relay 55	157984	Screw, 4-40 Shoulder 35	158659**	Plate 8
155597	Lens, Yellow Indicator Light 8	157985	Cable Assembly 35	158660**	Door Assembly, Tape Winder 6,72
155614	Cover 40	157992	Bracket 40	158661**	Door, Tape Winder 6
155723	Screw, 4-48 x 1/2 Fil 40	157993	Bracket 40	158662	Window, Glass 6
155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 12,21,38,40,69	157998	Jumper, 12" Black 40	158663	Stud 6,23,72
155751	Sleeve, 1/3 ID x 1" Lg Insulating 40,70	158186	Screw, 4-40 x 7-3/4 Fil 22	158664	Bracket 6,72
155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 40	158195	Rail, Left Base 10	158665**	Partition 6,72
155753	Sleeve, 1/3 ID x 1/2" Lg Insulating 5,21,40,62	158196	Rail, Right Base 10	158666**	Box, Outlet 11,72
155754	Sleeve, 1/16 ID x 1/2" Lg Insulating 40	158197	Angle, Left Base 10	158667	Tray, Tape Winder,6,72
155755	Sleeve, 11/64 ID x 5/8 Lg Insulating 12,18,22,40, 56,57,59	158198	Angle, Right Base 10	158669	Stud 6,72
155859	Screw, 4-40 Spl 40	158200	Stud 10	158670**	Panel, Right Lower 5,36
155860	Screw, 4-40 x 3/8 Rd 40	158201	Stud 10	158671	Connector, 3 Pt Receptacle 11,72
155861	Lockwasher 14,24,40	158215	Plate, Nut 33	158672	Shaft 5
156078	Contact Assembly 39	158250	Block, Terminal 58	158673	Bracket, Locating 10
156539	Washer, Felt 39	158252	Insulator, Terminal Block 58	158676	Insulator, Terminal Block 15
156609	Plate, Spring 68	158258	Connector, 20 Pt Plug 59	158677	Insulator, Terminal Block 14
156632	Screw, 6-40 x 13/32 Hex 39	158259	Connector, 20 Pt Receptacle 40	158678	Rail, Rear Base 10,36
156740	Screw, 6-40 x 7/32 Hex 23, 38,39	158260	Eccentric 10	158679	Rail, Front Base 10
156764	Stud 65	158283	Connector, 32 Pt Receptacle 40	158680	Modification Kit 2,5
156768	Screw, 8-32 x 9/32 Hex 23, 24	158286	Transformer 12	158682	Plate, Ground 5
156976	Connector, 32 Pt Plug 18	158287	Transformer Assembly 12	158683**	Bracket, Housing 16,71
156993	Nut, Speed 6,68	158630**	Bin Assembly, Tape 2,23	158684**	Cover 16,71
157152	Modification Kit 2,15	158631**	Plate, Rear 23	158685**	Housing 16,71
157154	Insulator, Terminal Block 15	158634	Bracket 23	158686**	Plate 10,16,71
157155	Cover 15	158635**	Bin, Tape 23	158687	Arm, Tape 10
157157	Modification Kit 12	158636	Funnel, Tape 23	158688	Guide, Stop 8
		158637	Screw, 10-32 Thumb 23,72	158689	Guide 8
		158638**	Plate 23	158691	Stud 8
		158639	Window, Plastic 23	158692	Spring, Torsion 8
		158640	Motor, 115V AC Shaded Pole 23	158693**	Crossbar 16,72
		158641**	Cover 23	158694	Plate, Designation 5
		158642	Hub 23	158695	Plate, Designation 6
		158643	Blade 23	158696	Knob 5
		158644	Cable Assembly 23	158697	Plate, Designation 6,71,72

**Refer to page 1 for finish suffix

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
160389	Capacitor, 20 MFD 56	160386	Resistor, 1,000 Ohm 12, 18,59	161750	Bracket 15
160390	Bracket, Mounting 56	160387	Modification Kit 3,54	161755	Pad, Right Front 8
160391	Capacitor, 15 MFD 56,57	160388	Modification Kit 3,54	161756	Pad, Left Crossbar 16
160392	Bracket, Mounting 56,57	160390	Bracket 18	161764	Pad, Felt 16
160393	Connector, 2 Pt Receptacle 20	160432	Jumper, 16" Black 40	161765	Pad, Felt 16
160394	Cable 11,72	160433	Jumper, 14" Black 40	161777	Stud, Mounting 36
160395	Modification Kit 2,14	160461	Bracket 15	161778	Stud, Mounting 36
160396	Modification Kit 2,15	160462	Insulator, Terminal Block 15	161814	Modification Kit 3,36
160397	Modification Kit 2,15, 71,73	160463**	Basket, Tape 6,35	161818	Connector, 2 Pt Receptacle 40
160398	Modification Kit 2,14	160466**	Plate 35	161825	Panel, Control 19
160399	Connector, 16 Pt Plug 40	160467	Window, Plastic 8	161830	Panel, Control 19
160400	Button 8,9	160468**	Modification Kit 2,35	161871	Relay 58
160401**	Panel 5,36	160469	Stop 6	161872	Relay 55,58
160402	Bracket w/Tie Bar 54	160470**	Modification Kit 2,35	161873	Resistor, 5,000 Ohm 58
160403	Bar, Left Torsion	160663	Bracket 6	161874	Cable w/Terminals 58
160404	Bar, Right Torsion 8,9	160664	Pin, Roll 8,9	162875	Resistor, 2,000 Ohm 55,58
160405	Connector, 32 Pt Plug 40, 59,69	160665**	Door Assembly, Left Top 8	161965	Resistor, 1,000 Ohm 58
160406	Connector, 32 Pt Receptacle 59	160667	Bumper, Rubber 8	162016	Pad, Left Cross Bar 16
160286**	Crossbar 16,77,73	160678	Jumper, 24" Black 40	162017	Pad, Felt 16
160290**	Plate 16,71,73	160887**	Modification Kit 71	162018	Pad, Felt 16
160291	Plate 16,17,71,73	160888**	Modification Kit 71	162019	Pad, Felt 16
160293**	Cover 16,71,73	160889**	Modification Kit 71	162020	Pad, Felt 16
160297	Insulator, Terminal Block 13,14	160890**	Modification Kit 72	162021	Pad, Felt 16
160307	Diode 18	160971	Bracket, Mounting 54	162072	Capacitor, 88 to 108 MFD 55
160332	Flasher, Thermal 12	160972	Bracket w/Pads 54	162234**	Modification Kit 72
160335	Modification Kit 2,8	160973	Bracket w/Pads 54	162235**	Modification Kit 73
160339	Window, Glass 8	160974	Arm, Stop 8	162236**	Cover w/Studs 16,72
160341	Hinge, Left 8	160976	Spring, Detent 16,71,72	162237	Chute, Tape 16,72
160343	Shaft 12	160985	Pad, Left Side 4	162239**	Plate 23
160344	Clamp, Left 8,34	160986	Pad, Right Side 4	162240**	Plate, Rear 23
160345	Plate 17	160988	Pad, Base 6	162241**	Bin, Tape 23
160346	Bracket 17	160989	Pad, Left Side Dome 8	162243**	Bin Assembly, Tape 2,23,72
160347	Stud 6	160990	Pad, Right Side Dome 8	162244**	Modification Kit 73
160349	Hinge, Right 8	160991	Pad, Right Top Door 8	162591	Shaft 12
160352	Cable Assembly 18	160993	Pad, Left Rear Back 4	162629	Modification Kit 5
160362	Plug, Banana 12	160994	Pad, Top Middle Door 8	162680	Switch, Pushbutton 42,57
160369	Switch, NO Pushbutton 18, 20,21,40	160995	Pad, Top Left 8	162898	Panel, Control 19
160370	Switch, NC Pushbutton 18, 20	161136	Fuse, SL BL 6-1/4 Amp 40	163169	Shaft, Control 5
160371	Light, Pilot 18	161206	Bushing, Insulating 18	163170	Shaft, Control 5
160372	Cable Assembly 71,73	161210	Nut, 11/16 x 32 Hex 18	163172	Bracket, Arm 5
160381	Panel, Control 18,19	161222	Cover 58	163173	Bracket, Arm 5
160382	Cover 18	161223	Bracket, Relay 58	163796**	Modification Kit 2,36
160383	Switch, SP-ST 18	161238	Connector, 36 Pt Receptacle 43,44	164024**	Modification Kit 2,25
		161239	Connector, 36 Pt Plug 40	164025**	Bracket 25
		161302	Modification Kit 3,58	164028**	Copyholder 25
		161307	Modification Kit 12	164084	Cable Assembly 22
				164120**	Modification Kit 2,22

**Refer to page 1 for finish suffix

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
164121	Cable Assembly 8	165021	Relay, 2,250 Ohm 46	171563	Lens, Amber Lamp 38
164122	Lens, Green 8	165027	Network, Spark Suppression 38,46,52,60,61	171594	Holder, Lamp 38
164123**	Panel 22	165038	Tube, Electronic 50	171952	Connector, Green Shielding 40
164124	Switch, Rotary 22	165051	Relay, 945 Ohm 46	171953	Connector, Orange Shielding 40
164125	Cable Assembly 22	165053	Cushion, Red Rubber 52,60	171955	Connector, Red Shielding 40
164195	Plate, Switch 22	165054	Cushion, Black Rubber 52, 60	171972	Connector, Green Insulated 40
164197**	Modification Kit 2,22	165060	Socket, Tube 59	171973	Connector, Black Insulated 40
164198**	Panel, Control 22	165062	Capacitor, 2 MFD 55	172277	Connector, Green Insulated 40
164199	Plate, Switch 22	165073	Diode 55	172749	Bracket 35
164235**	Bracket 28,29,31	165077	Connector, 50 Pt Plug 55	172843	Post 12
164272	Modification Kit 2,33	165079	Connector, 50 Pt Receptacle 55	173097**	Modification Kit 2,31
164273	Chute, Chad 33	165102	Screw, 12-24 x 2/8 Rd 7, 53	173138	Plate, Designation 5
164275	Chute, Chad 33	165103	Screw, 12-24 x 5/8 Rd 55	173206**	Bracket, Left Shelf 31
164276**	Container, Chad 33	165118	Socket, Lamp 44	173207**	Shelf, Left 31
164277	Plate, Right Side 33	165134	Board, Terminal 46,48,50, 52,61	173238	Modification Kit 12
164278	Chute, Chad 33	165168	Key 44	173256	Cable Assembly 12
164279	Chute, Chad 33	165255	Screw, No. 8 Spl 67	174400**	Modification Kit 2,25
164287	Plate, Switch Mounting 40	165261	Screw, 4-40 x 3/8 Oval 44	173422	Bracket, Connector 69
164383**	Shelf 31	165268	Screw, 10-32 Self-Tapping 41	173520	Module Assembly 3,38
164405**	Modification Kit 2,33	165392	Relay, 525 Ohm 46	173521	Plate w/Posts 39
164593	Plate, Left Side 33	165420	Relay 55	173523	Shaft 39
164631	Cable w/Termin 59	165449	Resistor, 47 Ohm 55	173526	Spacer, 0.032" Thk 39
164632	Bracket, Resistor 59	170271	Modification Kit 3,55	173527	Capacitor, 20 MFD 38,69
164633	Modification Kit 3,59	170272**	Modification Kit 2,17	173532	Spring, Torsion 39
164638	Cable Assembly 59	170288	Resistor, 3,500 Ohm 55	173533	Gear, 20T 39
164639	Cable Assembly 59	170302**	Housing, Dual 17	173535	Spacer, 0.125" Thk 39
164640	Modification Kit 3,59	170303	Clip, Right 17	173536	Bracket, Guard 38
164641	Jumper, 18" Black 59	170304	Clip, Left 17	173537	Shaft 39
164642	Jumper, 22" Black 59	170305	Plate 17	173538	Bracket, Mounting 39
164643	Jumper, 33" Black 59	170306	Modification Kit 2,33	173539	Bracket, Magnet Mounting 59
164837	Panel, Control 20	170307	Plate, Trim 6	173540	Hinge 39
164838	Panel Assembly, Control 2,20	170308	Filler, Window 5	173541	Bail, Armature 39
164839	Cable w/Terminals 20	170313	Plate, Mounting 55	173542	Pawl, Feed 39
164856	Indicator, Red Neon 19,20	170314	Resistor, 3,900 Ohm 55	173544	Pawl, Check 39
164857**	Dome 17	170316	Relay 55	173545	Post, Eccentric 39
164858**	Door Assembly, Left Front 17	170317	Coil, Choke 55	173546	Gear, 8T 39
164865	Indicator, White Neon 20	170319	Connector, 24 Pt Plug 55	173547	Gear, 8T 39
164866	Switch, Wafer 20	170939	Screw, 6-40 Eccentric 39	173548	Shaft 39
164936	Guide, Tape 36	171501	Relay 50,55	173549	Board Assembly, Diode 39
164938	Washer, Spring 36	171502	Relay 18	173551	Gear w/Disk, 20T 39
164939	Guide w/Bushing 36	171507	Relay 46	173552	Gear w/Disk, 20T 39
164941	Guide, Tape 36	171511	Relay 18	173553	Disk w/Ratchet 39
164942	Bracket 36	171531	Resistor, 3,000 Ohm 55	173557	Magnet Assembly 39
164943	Plate w/Studs 36	171555	Connector, 50 Pt Receptacle 43,46,48,50	173558	Spacer, 0.320" Thk 39
164944	Guide, Tape 36				
165008	Turret, Terminal 45,47, 49,51,55,61				
165015	Capacitor, 4.28 MFD 50				

**Refer to page 1 for finish suffix

NUMERICAL INDEX (Continued)

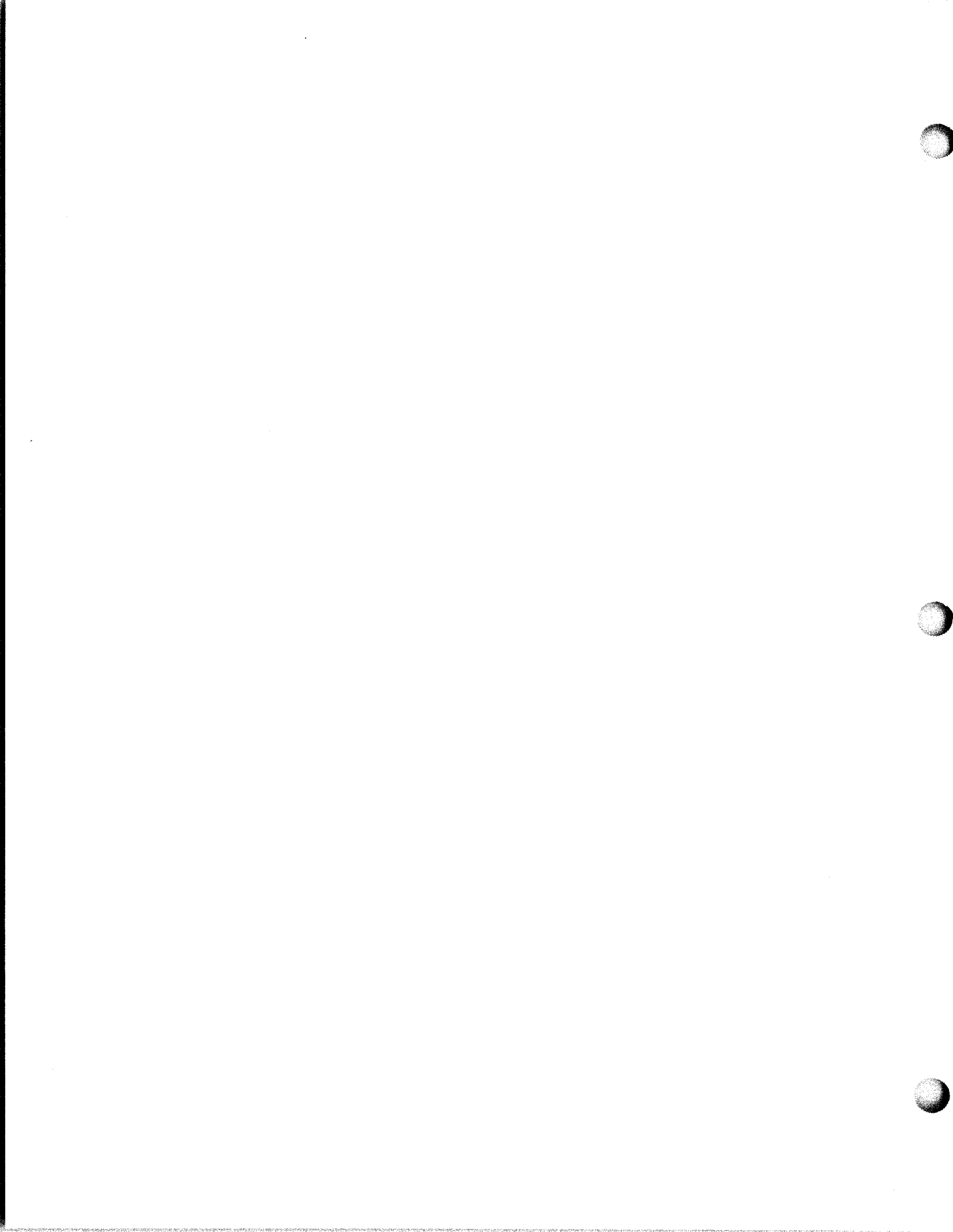
Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
173562	Base, Module 38	176541	Capacitor, 3 MFD 38	179399	Cable Assembly 69
173563	Armature, Magnet 39	176560	Bracket, Switch 38	179402	Deflector, Tape 23
173564	Bracket, Switch 38	176561	Module Assembly 3,39	179416	Modification Kit 3,69
173569	Window, Numbering 68	176562	Magnet Assembly 39	179417**	Modification Kit 73
173571	Spacer, 0.226" Thk 39	176563	Switch, Lever 38	179449	Bracket 15
173575	Card, Universal Code 39	176571	Board Assembly, Diode 38	179469	Modification Kit 2,15
173577	Relay, 6,000 Ohm 38	176572	Switch, Stepping 38	179470	Block Assembly, Terminal 15
173578	Connector, 50 Pt Receptacle Type 69	176573	Relay, 1,000 Ohm 38	179476	Rail, Left 10
173579	Connector, 50 Pt Plug Type 38	176574	Relay, 1,300 Ohm 38	179477	Rail, Right 10
173580	Numbering Assembly 3,39	176580	Lamp, 6V Incandescent 38	179493	Guide, Tape 16,73
173581	Switch, Lever 38	176582	Bracket, Relay Mounting 38	179600**	Holder 32
173689	Bracket w/Bushings 59	176594	Relay, 1,000 Ohm 38	179601**	Modification Kit 32
173706	Modification Kit 3,56	176595	Capacitor, 0.22 MFD 38	179734**	Panel, Control 19
173707	Modification Kit 3,57	176667	Spacer, 0.063" Thk 32	179736	Cable Assembly 19
173708	Cable w/Terminals 57	176668	Bracket w/Stud 32	179748	Connector, 5 Pt Plug 40
173709	Cable w/Terminals 56	176669	Lever w/Hub 32	179749	Connector, 5 Pt Receptacle 40
173715	Terminal, Plug Type 38	176670	Lever w/Hub 32	179860	Plate, Mounting 21
173716	Terminal, Receptacle Type 69	176671	Insulator, 0.047" Thk 32	179959**	Coverplate 68
173717	Plate, Magnet 39	176707	Bracket, Switch 32	179960	Spring, Detent 68
173759	Bracket 39	176711	Spring, Torsion 32	179993	Screw, 10-32 Shoulder 8
173786	Plate, Mounting 56	176712	Spring, Torsion 32	180675	Screw, No. 6 Self-Tapping 7
173787	Plate, Mounting 57	176713	Modification Kit 2,32	180904	Tab, Terminal 7
173829	Relay, 6,000 Ohm 38	176785	Cable w/Terminals 32	181392	Terminal, Tab Type 5,7,40
173832	Holder, Lamp 38	178177	Capacitor, 60 MFD 39	181661	Buzzer, 115V AC 5
173839	Cable Assembly 39	178278	Capacitor, 60 MFD 38	182531	Clip, Speed 70
173860	Connector, 10 Pt Circuit Card 39	178387	Modification Kit 2,34	192176	Terminal, Plug Type 38
173920	Arm, Stop 8	178389	Power Unit 34	192245**	Container, Chad 3,62
173932	Lamp, White Neon 38	178390	Bar, Static Eliminator 34	192259**	Shelf, Paper 64
173934	Bracket 38	178391	Cable, Inductor 34	192269	Nut, Speed 70
173974	Screw, 10-32 x 5/16 Hex 5	178392	Plug, Outlet 34	193635	Indicator, Neon 42
174009	Diode 69	178392	Bracket 39	193674	Latch, Fastener 36
174424	Capacitor, 0.03 MFD 38	178482	Plate, Tear 27	193675	Modification Kit 3,36
174458	Modification Kit 2,27	178729	Tray 6	193943	Cable Assembly 70
176150	Post 38	178733	Partition 6	193994	Holder Assembly, Fuse 70
176161	Jumper, 25" Black 40	178755**	Door 68,69	194084**	Modification Kit 3,66
176162	Jumper, 21" Black 40	178761**	Frame, Mounting 69	194490	Modification Kit 3,55
176163	Jumper, 18" Black 40	178762	Plate, Control 21	194575	Post, Locating 28,29,30,65
176167	Holder, Lamp 40	178837	Modification Kit 2,21	194855	Guide, Tape 21
176300	Modification Kit 2.20	178838	Nut, 11/32-32 Hex 18	194856	Modification Kit 65
176301	Panel, Control 20	178839	Copyholder 26	194857**	Modification Kit 2,28
176302	Cable Assembly 20	178892**	Plate 26	194858**	Plate, Mounting 28
176303	Cable Assembly 20	178893**	Bracket 26	194859**	Modification Kit 2,28
176422	Bracket, Mounting 36	178894**	Shaft 26	194860**	Plate, Mounting 28
176440	Bracket, Stop 39	178895	Modification 2,26	194861	Modification Kit 2,21
176498	Plate, Mounting 65	178897**	Plate, Bearing 26	194864	Clamp 5
176540	Module Assembly 3,38	178914**	Bracket, Support 36	194865	Bracket, Clamp 5
		179049	Shaft 36	194866	Clamp Assembly, Cable 5
		179193	Panel 5		
		179197**	Chute, Chad 33		
		179256	Door Assembly 3,68		
		179385**			

**Refer to page 1 for finish suffix

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
195104**	Modification Kit 65	199062	Bracket, Left 18	310293	Modification Kit 12
195106	Modification Kit 65	199063	Plate, Nut 41	310312	Bracket 5
195107	Modification Kit 65	199064**	Panel, Lower Right 5	310314	Buzzer Assembly 5
195389**	Chute, Chad 63	199069	Bar, Spacing 41	310729	Filter, Air 70
195390**	Bin, Chad 63	199095	Bracket, Connector 40	310730	Support, Filter 70
195391**	Modification Kit 3,63	199125**	Plate 41	310731	Grille 70
195397**	Bracket, Mounting 65	199136	Plate, Wear 41	311527	Clamp, Cable 40
195398**	Bracket, Mounting 65	199137	Container, Tape 41	311729	Plate, Identification 68
195404**	Shelf, Chad Bin 63	199188	Plug Assembly, Blinding 41	311909	Drum 39
195413**	Bracket, Mounting 65	199361	Modification Kit 7	311910	Drum 39
195837**	Modification Kit 3,64	199879	Bracket 41	311911	Drum 39
195838**	Plate, Deflector 64	199925	Guide, Tape 65	312475	Cable Assembly 21
195839**	Bracket, Backstop 64	199926	Guide, Tape 65	312476	Cable Assembly 21
195840**	Shelf 64	199927	Guide, Tape 65	312717**	Extension 70
195841	Coverplate 6	199929	Guide, Tape 65	312719**	Modification Kit 3,70
195848	Bracket, Nylon 8	304560	Post 39	315543	Module Assembly 3,38
195877	Nut, 9/16-27 Hex 62	304714	Card, Universal Code 39	315759	Switch, Stepping 38
196907**	Shelf, Right 31	304777	Bracket 54	318937	Tray, Copyholder 12
196908**	Bracket, Right Shelf 31	304918	Plate, Instruction 21	319145	Switch, Stepping 38
196909**	Modification Kit 31	305056	Plate, Identification 16	319251	Insulator 57
196930	Grille 41	305713	Strip, 50 Ft Roll Foam 8	320410	Terminal, Spade Type 12, 13,18,20,21,22,32,35,37, 40,55,56,57,58,59,69,70
196931	Clip 41,70	305759	Bracket 12	320412	Terminal, Spade Type 23
198085	Holder, Card 6	305983**	Door Assembly 3,68	320413	Terminal, Spade Type 40
198092	Fan 41,70	305985**	Door 68,69	320418	Terminal, Ring Type 5,8, 11,12,37,40,59,69
198364	Relay Assembly 2,18	305986**	Coverplate 68	320420	Terminal, Ring Type 5,7, 40,58
198366	Modification Kit 12	306731	Gasket 8	321094**	Shield, Anti-glare 8
198367	Cable w/Terminals 12	307276	Plate, Nut 5	321581	Modification Kit 2,30
198585**	Shelf 42	309534	Panel, Control 57	321582**	Modification Kit 2,29
198586	Bracket, Locating 42	309535	Cable Assembly 57	321583**	Modification Kit 2,29
198587	Plate, Instruction 8	309537	Panel Assembly 3,57	330515	Rail, Left 10
198595	Panel, Control 42	309895	Cable Assembly 12	333192**	Hub 30
198598	Guide, Tape 8,42	309897	Cable Assembly 69	333193**	Shelf 30
198599	Bracket, Mounting 41	310060	Contact Assembly 39	333198**	Shelf 29
198604	Guide, Tape 41	310061	Pawl 39	333202**	Shelf 29
198619	Post 41	310062	Spring, Torsion 39	333203**	Plate, Mounting 30
198622	Hub 41	310063	Bracket, Guide 39		
198623**	Container, Tape 41	310065	Disc w/Post 39		
198624**	Bracket, Mounting 41	310066	Disc Assembly 39		
198629**	Dome 8	310067	Disc Arm 39		
198671	Holder, Card 6	310068	Disc w/Ratchet 39		
199060	Plate, Mounting 18	310144	Plate, Identification 9		
199061	Bracket, Right 18	310153	Jumper, 15" Lg 5,7,49		

**Refer to page 1 for finish suffix

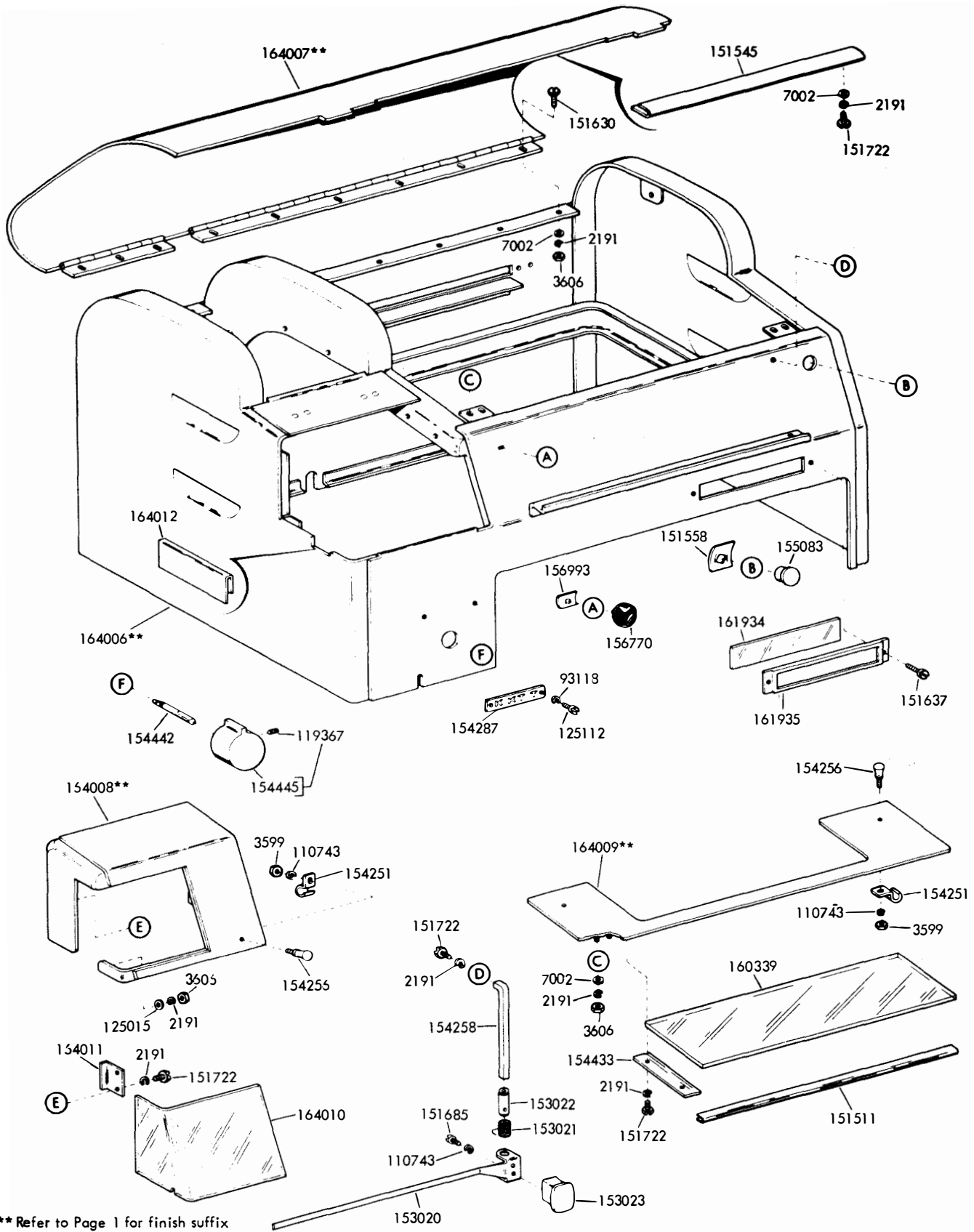


28 KEYBOARD WITH PERFORATOR COVER (LBPC)

FIGURE	CONTENTS	PAGE
1	Skintight Cover for Keyboard with Perforator	2
2	Electrical Components and Cabinet Accessories	3
3	Felt Pads and Base Plate	4
	Numerical Index	5

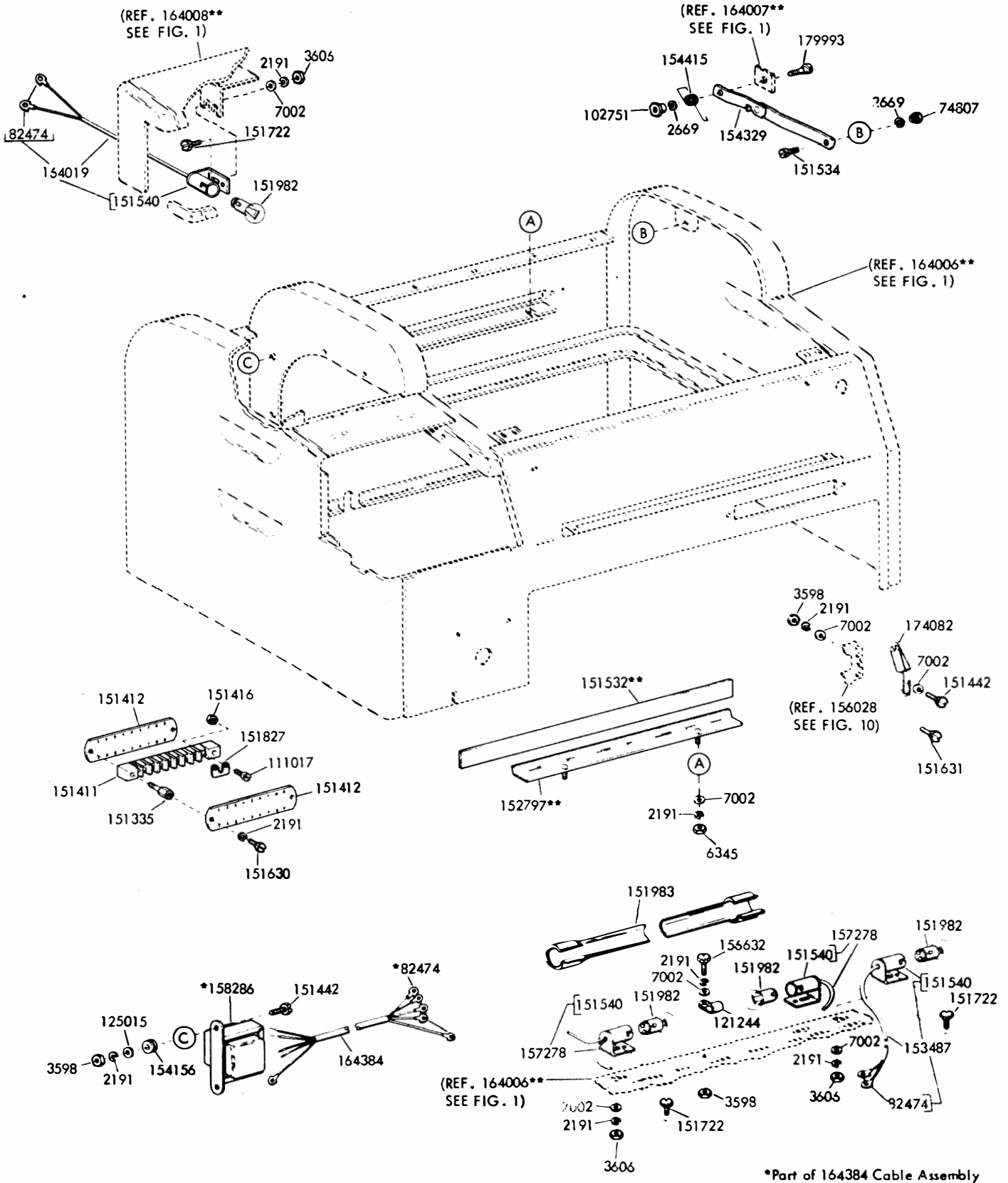
PAINT FINISH COLOR CODE CHART												
(for parts and assemblies requiring a paint finish)												
Color	Finish Suffixes				Color	Finish Suffixes						
	Wrinkle Finish	Smooth Finish	Textured Vinyl	Smooth Vinyl		Wrinkle Finish	Smooth Finish	Textured Vinyl	Smooth Vinyl			
Beige	AA (37)	ET		HC	Gray, Federal	AB (40)	BV	GG				
Beige, Light		EL			Gray, Green		GA (45)					
Beige, Rose		ER			Gray, Light		HB (68)					
Black		BA (34)			Gray, Covert		HE					
Black, High Gloss					BB		Gray, Olive	HF (46)				
Black, Semi Gloss					EK		Gray, Maritime Deck					
Blue, Aqua		AD (38)			EC		AJ	Gray, Oxford		BJ	EN	HD
Blue, Brussels Light					ES			Green, Gray		EP		
Blue, Medium					AC (39)					Green, Moss		
Brown, Dark		HG					Ivory			EM		
Brown, Light							HA			Pink Rose	EU	
Fawn					GC			Turquoise		EV		
Gray, Beige		GF						White		EH		
Gray, Charcoal							GB	Yellow, Pastel		EG		
Gray, Dark												

The double asterisk (**) denotes a painted part. Suffix to be applied following the part number.
Number in parenthesis indicates Bell System code



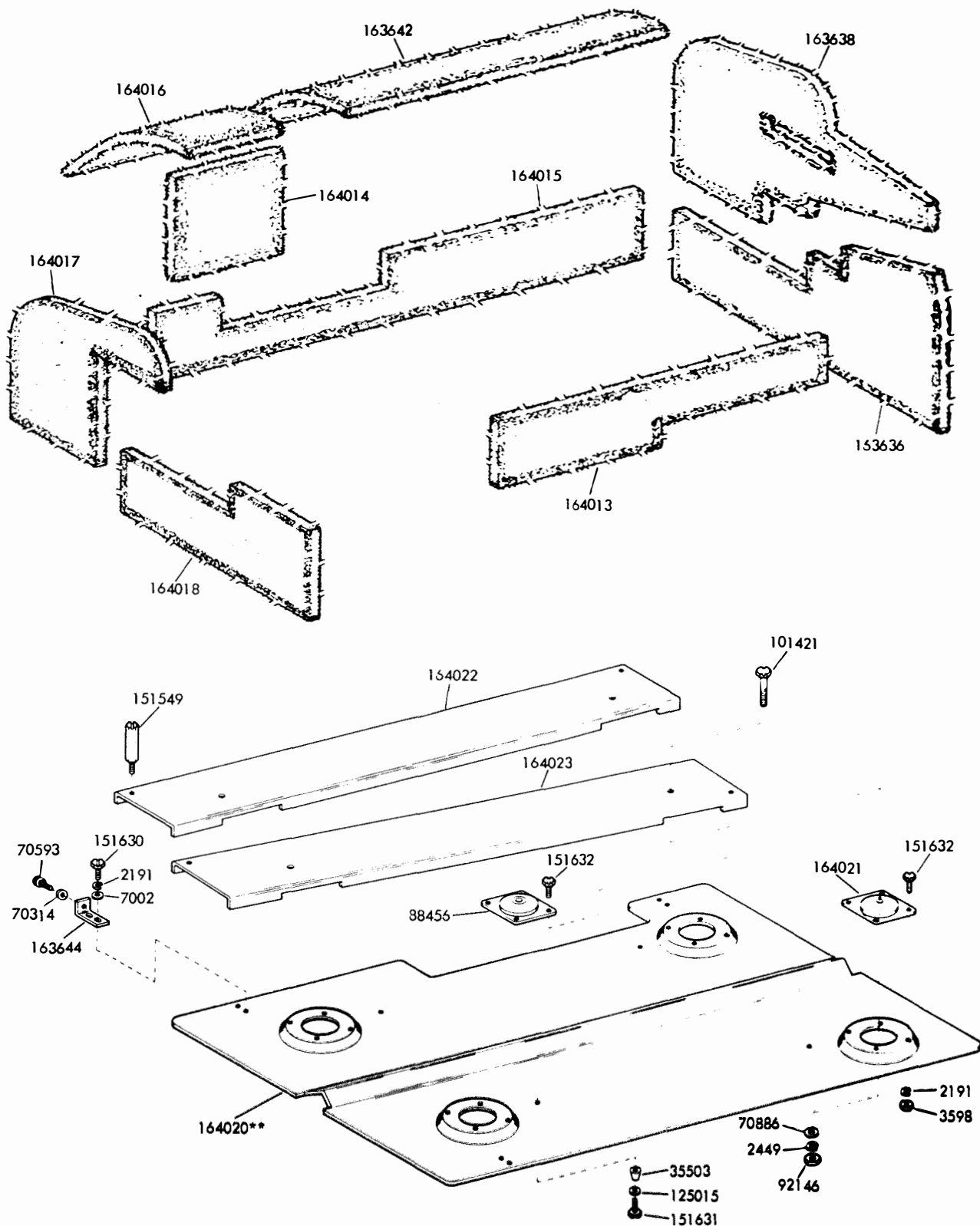
** Refer to Page 1 for finish suffix

FIGURE 1. SKINTIGHT COVER FOR KEYBOARD WITH PERFORATOR



** Refer to Page 1 for finish suffix

FIGURE 2. ELECTRICAL COMPONENTS AND CABINET ACCESSORIES



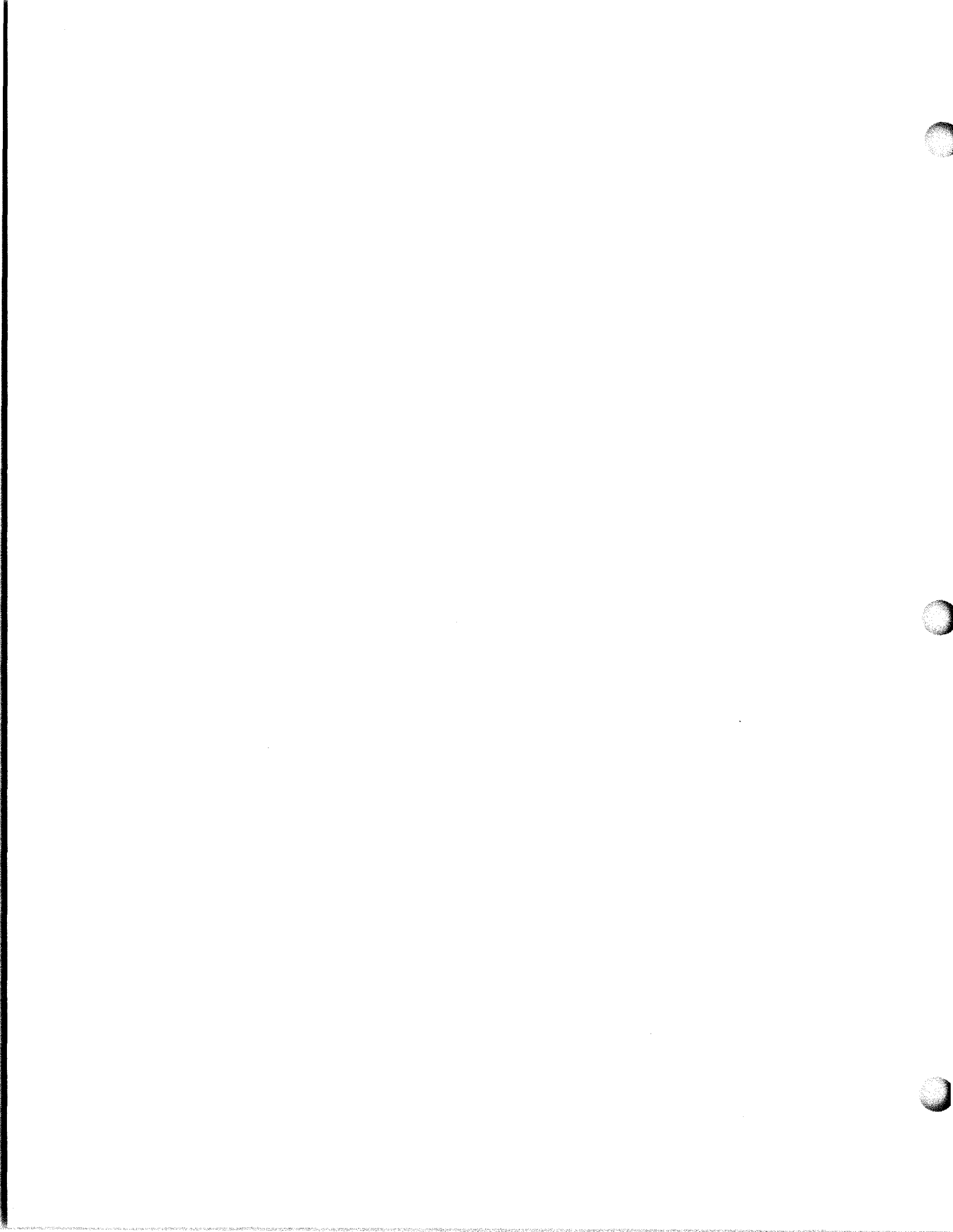
** Refer to Page 1 for finish suffix

FIGURE 3. FELT PADS AND BASE PLATE

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
2191	Washer, Lock 2, 3, 4	151534	Screw, Shoulder (10-32) 3	156770	Plate, Identification (Teletype) 2
2449	Washer, Lock 4	151540	Lampholder 3	156993	Nut, Speed 2
2669	Washer, Lock 3	151545	Guide, Paper 2	157278	Cable Assembly 3
3598	Nut (6-40 Hex) 3, 4	151549	Post 4	158286	Transformer 3
3599	Nut (4-40 Hex) 2	151558	Nut, Speed 2	160339	Window, Glass 2
3606	Nut (6-40 Hex) 2, 3	151630	Screw (6-40 x 1/4 Hex) 2, 3, 4	161934	Window, Plastic 2
6345	Nut (6-32 Hex) 3	151631	Screw (6-40 x 5/16 Hex) 3, 4	161935	Frame, Window 2
7002	Washer, Flat 2, 3, 4	151632	Screw (6-40 x 3/8 Hex) 4	163636	Pad, Lower Right and Left Side 4
35503	Foot, Rubber 4	151637	Screw (4-40 x 1/4 Fil) 2	163638	Pad, Upper Right Side 4
70314	Washer, Flat 4	151685	Screw (4-40 x 5/16 Fil) 2	163642	Pad, Lid 4
70593	Screw, Thumb (6-40) 4	151722	Screw (6-40 x 3/16 Hex) 2, 3	163644	Bracket 4
70886	Washer, Flat 4	151827	Strap, Terminal 3	164006**	Cover 2
74807	Nut (10-32 Hex) 3	151982	Lamp, Incandescent (6V) 3	164007**	Door, Rear 2
82474	Terminal 3	151983	Shield, Light 3	164008**	Door, Left Front 2
88456	Mount, Vibration 4	152797**	Plate, Retaining 3	164009**	Door, Right Front 2
92146	Nut (1/4-20 Hex) 4	153020	Guide, Line 2	164010	Window, Glass 2
93118	Washer, Lock 2	153021	Spring, Torsion 2	164011	Plate 2
101421	Screw (1/4-20 x 1-1/4 Hex) 4	153022	Bushing 2	164012	Clip 2
102751	Nut (10-32 Hex) 3	153023	Handle 2	164013	Pad, Front 4
110743	Washer, Lock 2	153487	Cable Assembly 3	164014	Pad, Upper Left Rear 4
111017	Screw (6-40 x 5/16 Fil) 3	154156	Grommet, Rubber 3	164015	Pad, Lower Rear 4
119367	Screw, Set (8-32 Hex) 2	154251	Latch 2	164016	Pad, Rear Left Door 4
121244	Clamp, Cable (1/4" ID) 3	154256	Screw, Thumb (4-40) 2	164017	Pad, Upper Left Side 4
125015	Washer, Flat 2, 3, 4	154258	Shaft 2	164018	Pad, Lower Left Side 4
125112	Screw (2-56 x 1/8 Fil) 2	154287	Plate, Designation 2	164019	Cable Assembly 3
151335	Stud (6-40) 3	154329	Arm, Stop 3	164020**	Plate, Base 4
151411	Block, Terminal 3	154415	Spring, Torsion 3	164021	Mount, Vibration 4
151412	Insulator (1-9) 3	154433	Clamp 2	164022	Rail, Rear Base 4
151416	Nut (6-40 Hex) 3	154442	Shaft 2	164023	Rail, Front Base 4
151442	Screw (6-40 x 1/2 Hex) 3	154445	Knob 2	164384	Cable Assembly 3
151511	Gasket 2	155083	Lens, Indicator Light (Red) 2	174082	Guide, Tape 3
151532**	Cover, Form Slot 3	156632	Screw (6-40 x 13/32 Hex) 3	179993	Screw, Shoulder (10-32) 3

**Refer to Page 1 for finish suffix



28 PERFORATOR, NON-TYPING (LPE) AND TYPING (LTPE)

PARTS

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
1	Frame Mechanism (Typing Perforator)	2	21	Typing Mechanism	21
2	Frame Mechanism (Typing Perforator)	3	22	Tape Depressor Mechanism	22
3	Frame Mechanism (Non-Typing Perforator)	4	23	159364 Modification Kit to Add Power Drive to Backspace	23
4	Frame Mechanism (Non-Typing Perforator)	5	24	159379 Modification Kit to Add "Make Only" Code Reading Contacts	24
5	Frame and Motor Mounting Parts (Non-Typing Perforator)	6	25	160881 Modification Kit to Add Guard to Cover Backspace Mechanism	24
6	Main Shaft Mechanism (Typing Perforator)	7	26	178917 Modification Kit to Provide Backspace Mechanism for Fully Perforated Tape and Printing Between Feed Holes	25
7	Main Shaft Mechanism (Non-Typing Perforator)	8	27	178918 Modification Kit to Provide Guard for Backspace Mechanism	25
8	Punch Rear Plate Mechanism	9	28	159381 and 159382 Modification Kits to Add Auxiliary Timing Contacts	26
9	159363 and 172640 Modification Kit to Add Manual Backspace	9	29	161340 Modification Kit to Add Manual Interfering Letters Tape Feed-Out	27
10	Punch Block Assemblies	10	30	161341 Modification Kit to Add Solenoid Operation to Letters Feed-Out	27
11	Punch Front Plate Mechanism	11	31	159360 Modification Kit to Add Signal Bell Contact (On Upper Case "S")	28
12	Punch Bail Mechanism	12	32	162375 Modification Kit to Add "Unshift on Space"	28
13	Rotary Positioning Mechanism	13	33	Typewheel	29
14	Rotary Positioning Mechanism	14		Numerical Index	30
15	Axial Positioning Mechanism	15			
16	Axial Positioning Mechanism	16			
17	Function Box Mechanism	17			
18	Transfer Mechanism	18			
19	Ribbon Feed Mechanism (Early Design)	19			
20	Ribbon Feed Mechanism (Later Design)	20			

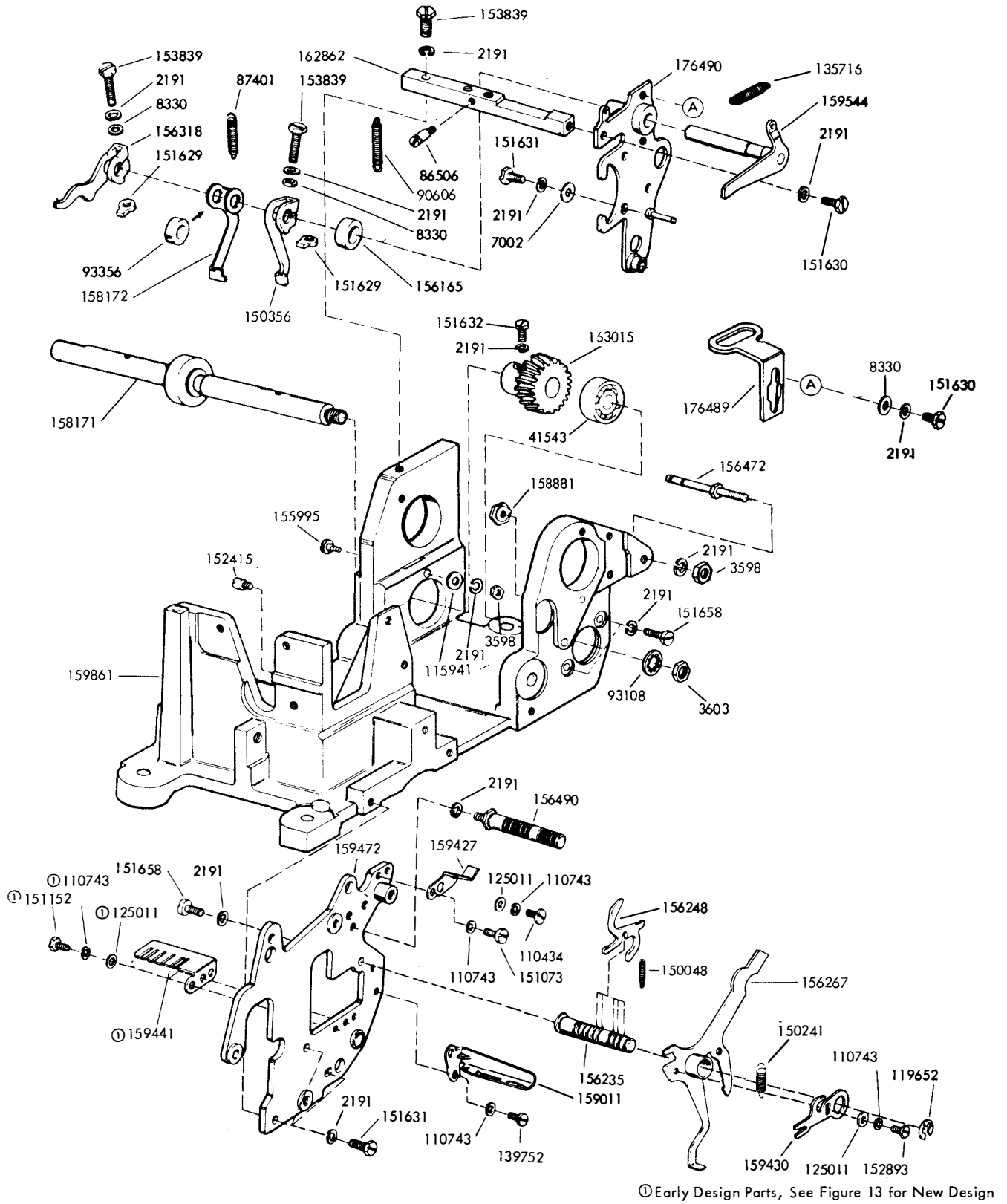


FIGURE 1. FRAME MECHANISM (TYPING PERFORATOR)

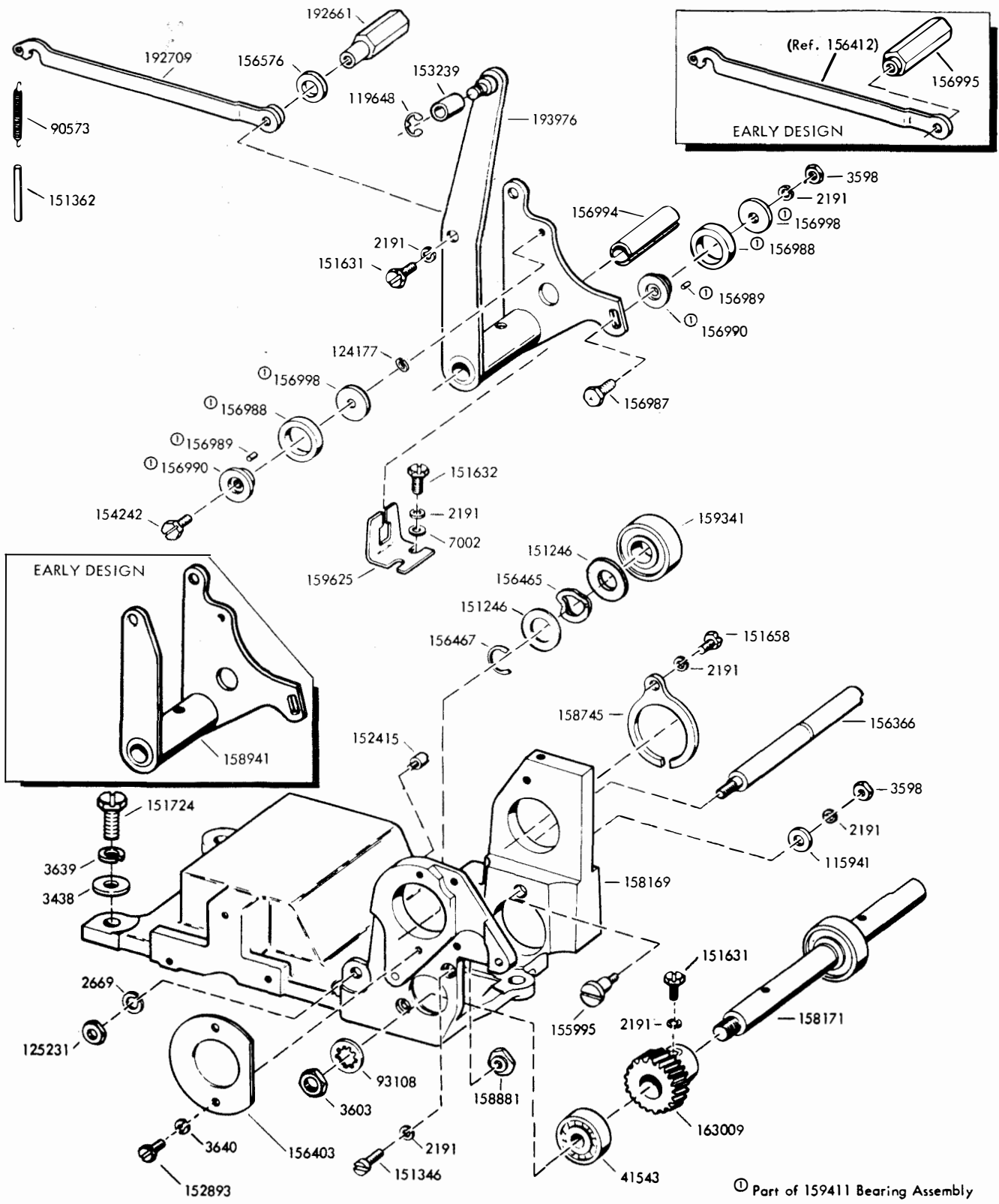


FIGURE 3. FRAME MECHANISM (NON-TYPING PERFORATOR)

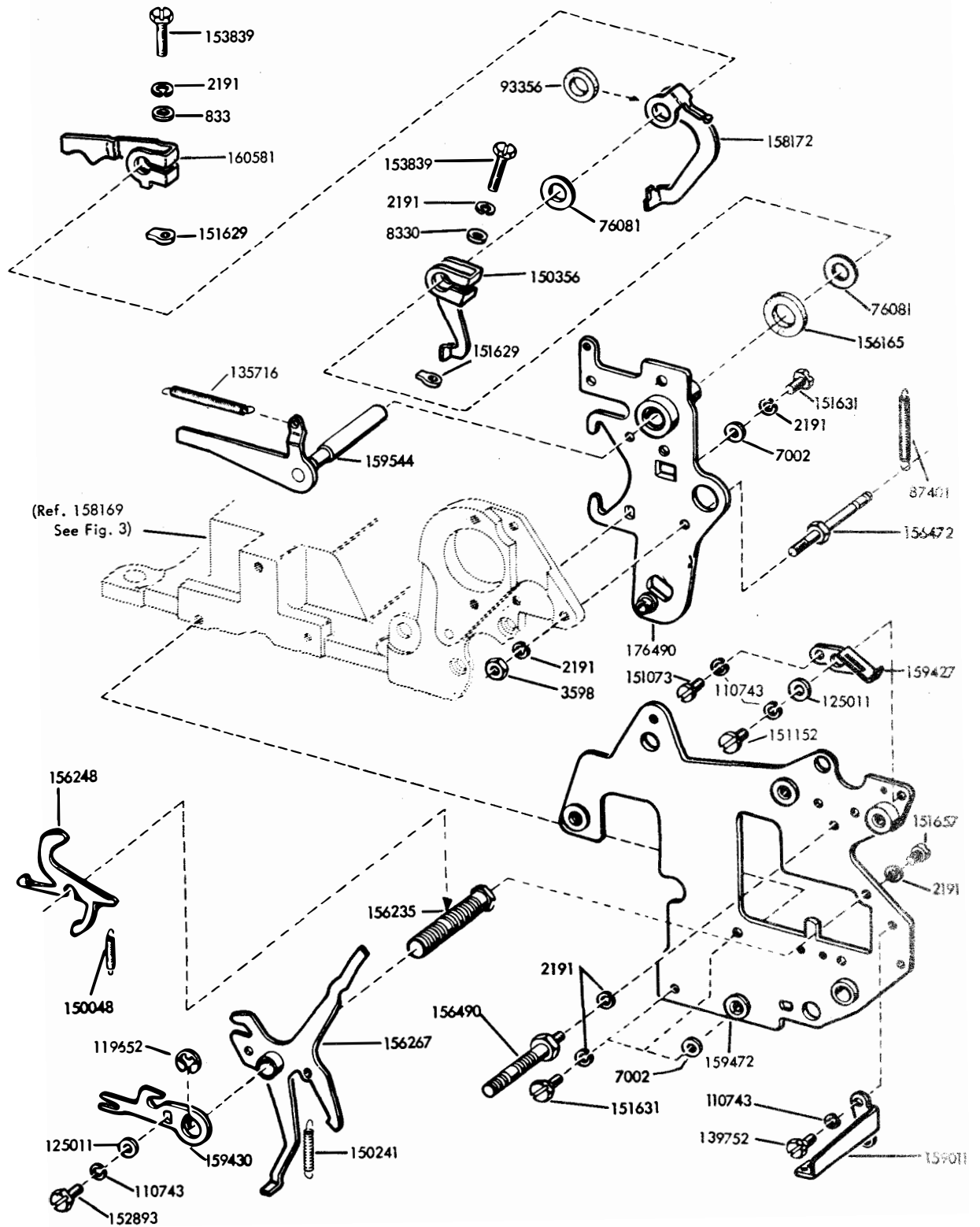
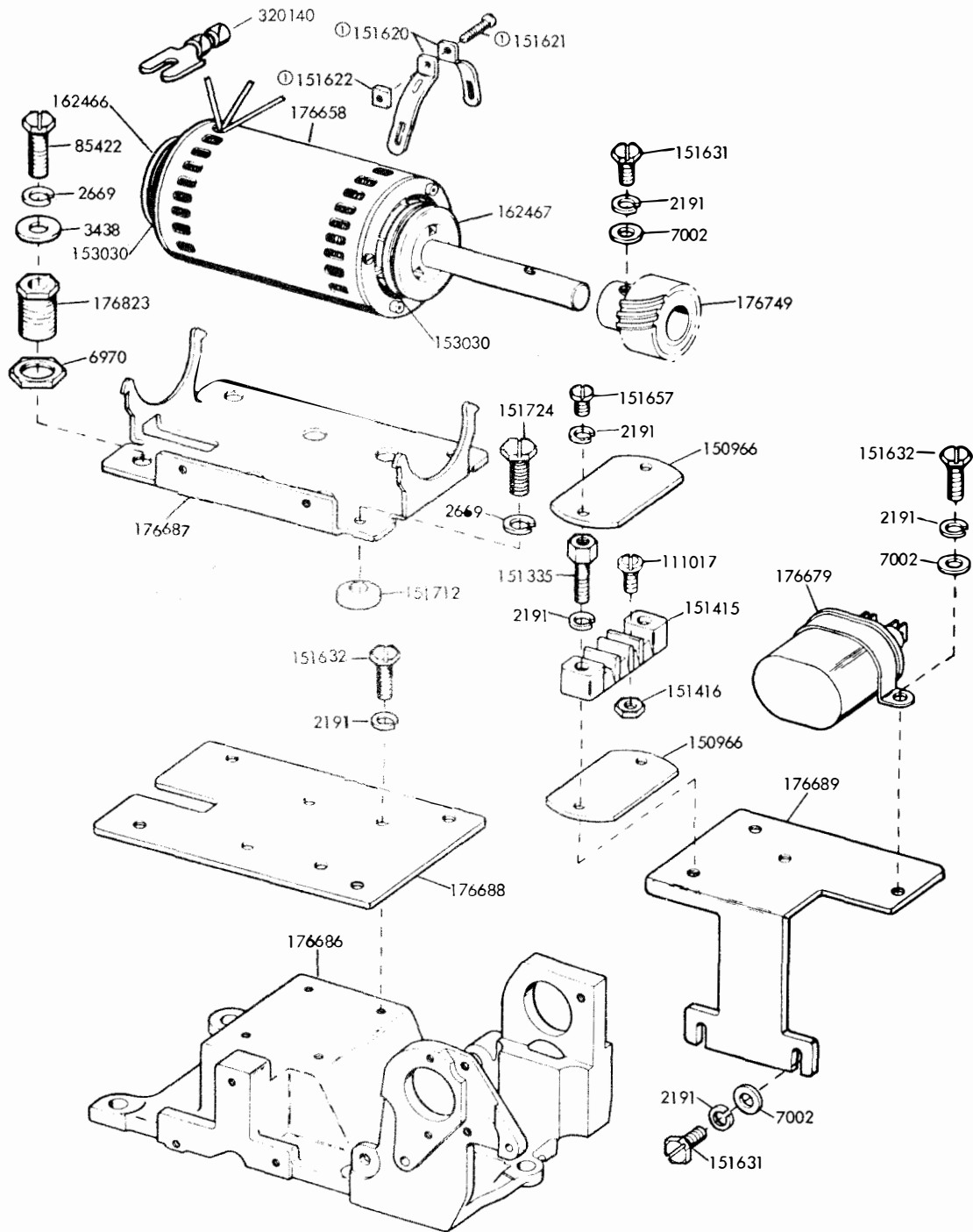


FIGURE 4. FRAME MECHANISM (NON-TYPING PERFORATOR)



Ⓢ122207 Strap Assembly

FIGURE 5. FRAME AND MOTOR MOUNTING PARTS (NON-TYPING PERFORATOR)

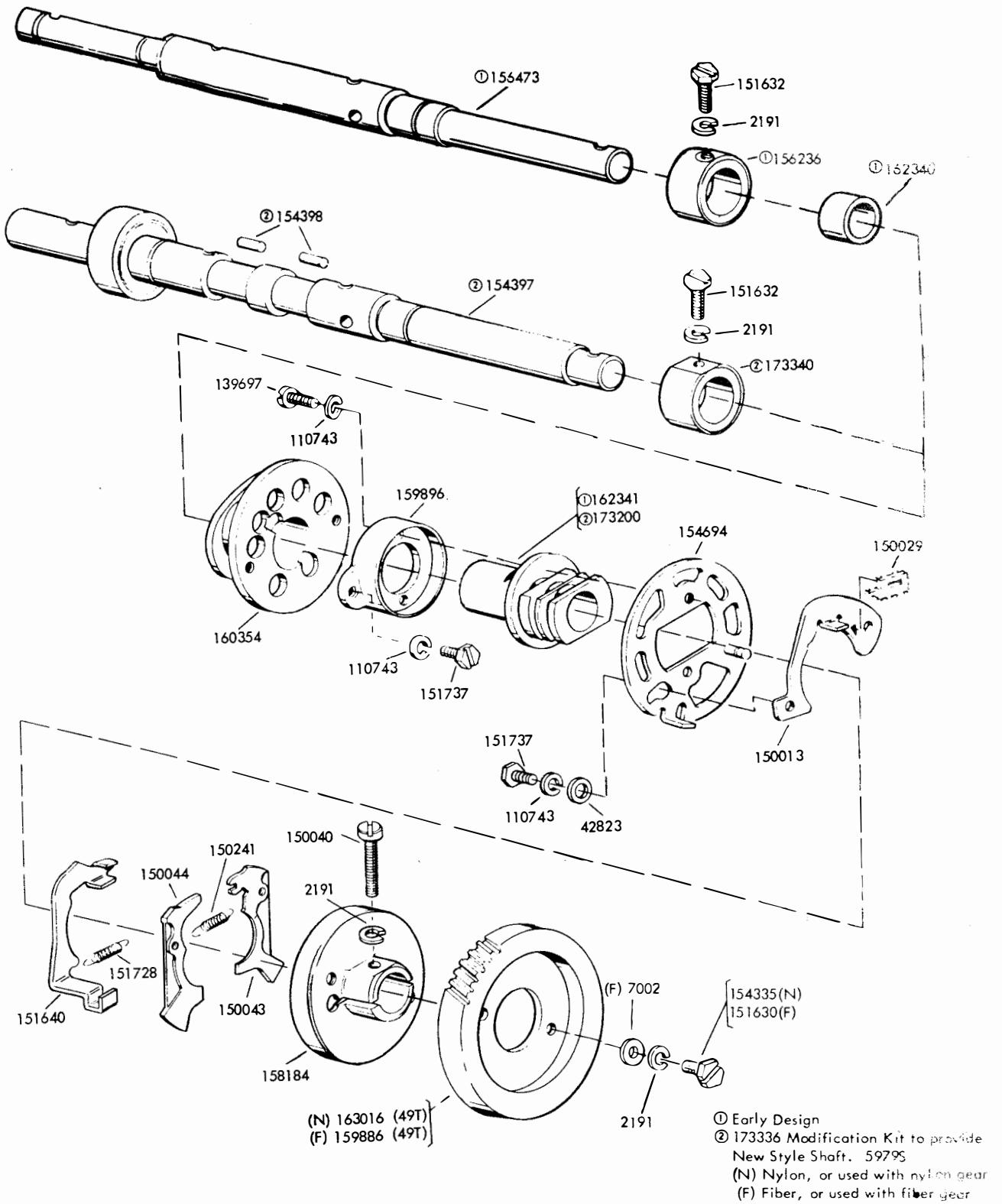


FIGURE 6. MAIN SHAFT MECHANISM (TYPING PERFORATOR)

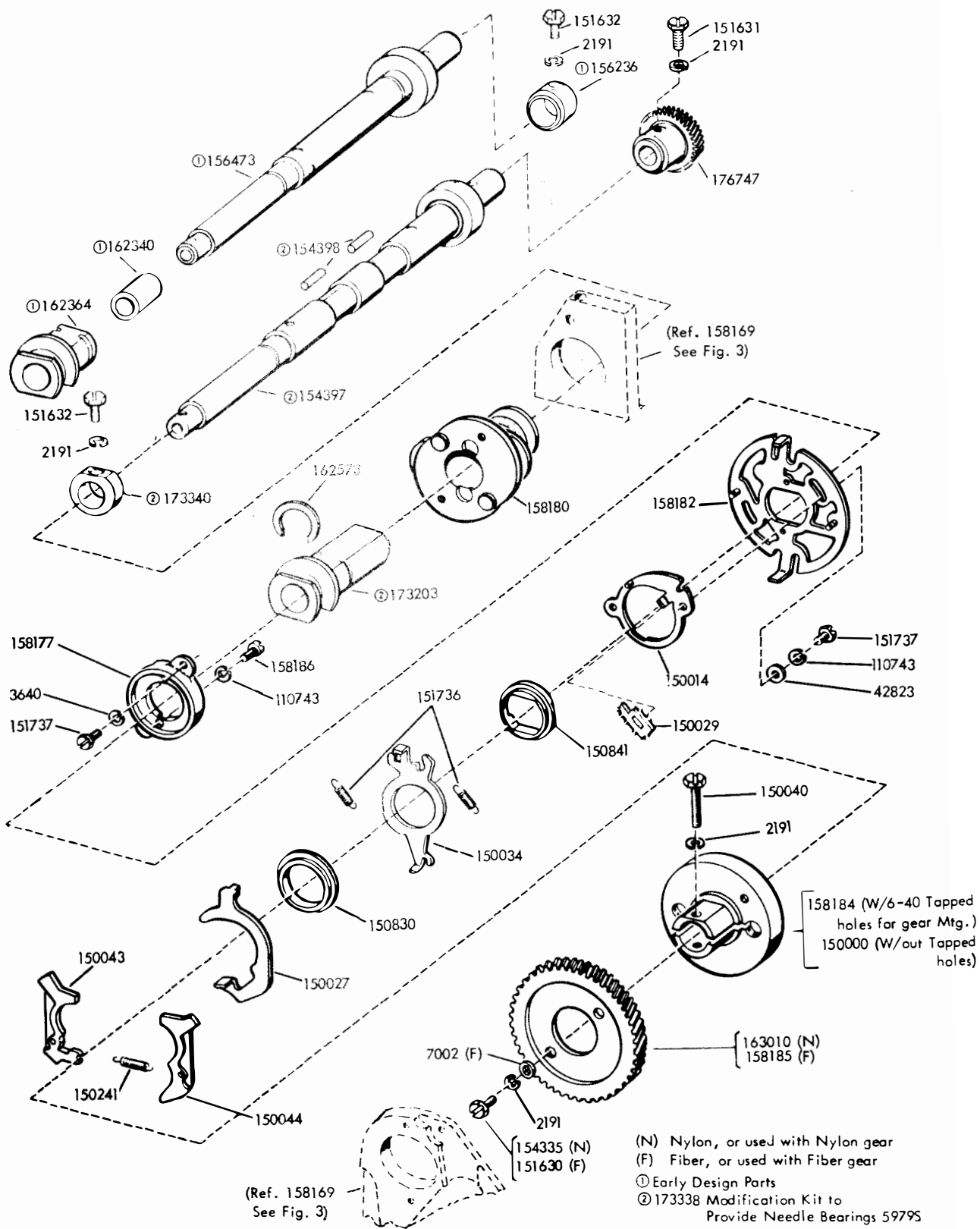


FIGURE 7. MAIN SHAFT MECHANISM (NON-TYPING PERFORATOR)

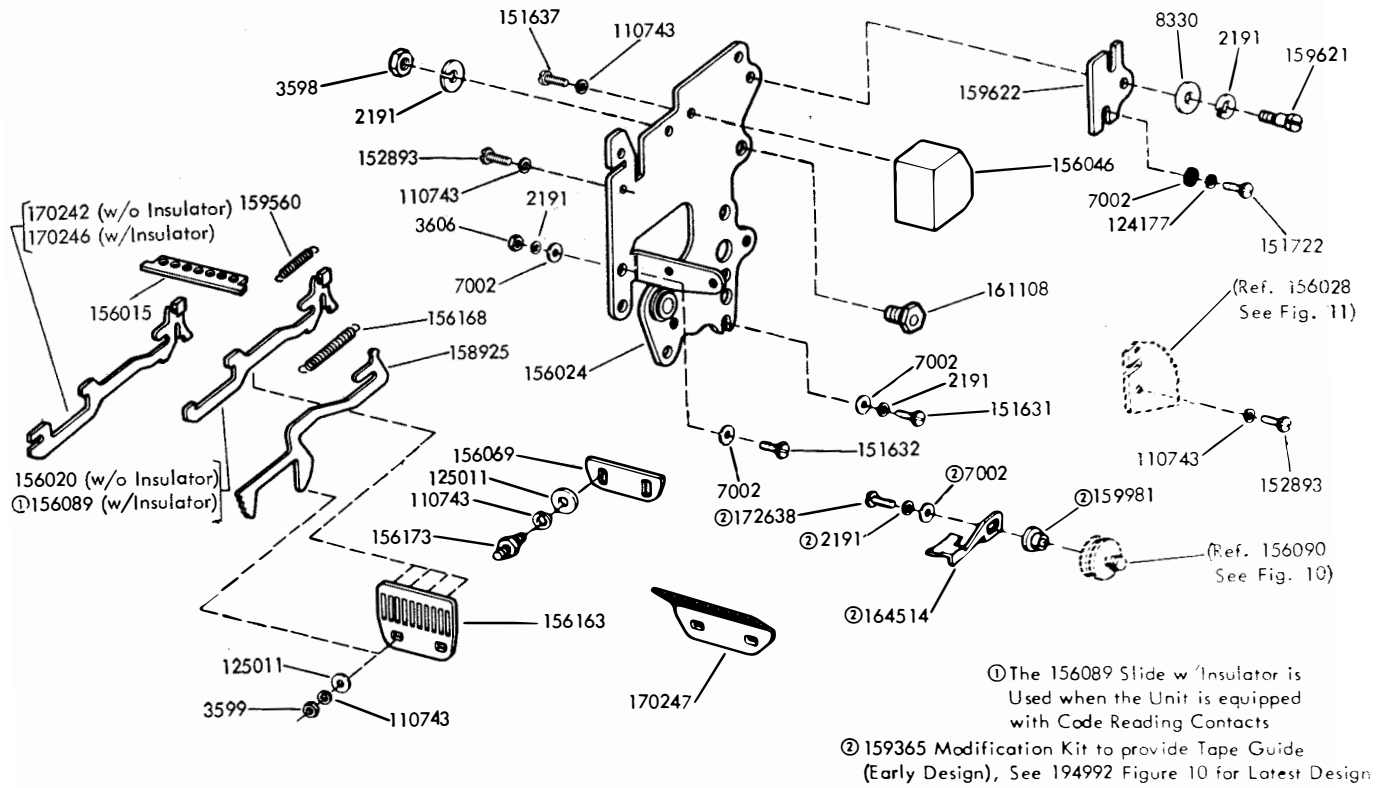


FIGURE 8. PUNCH REAR PLATE MECHANISM

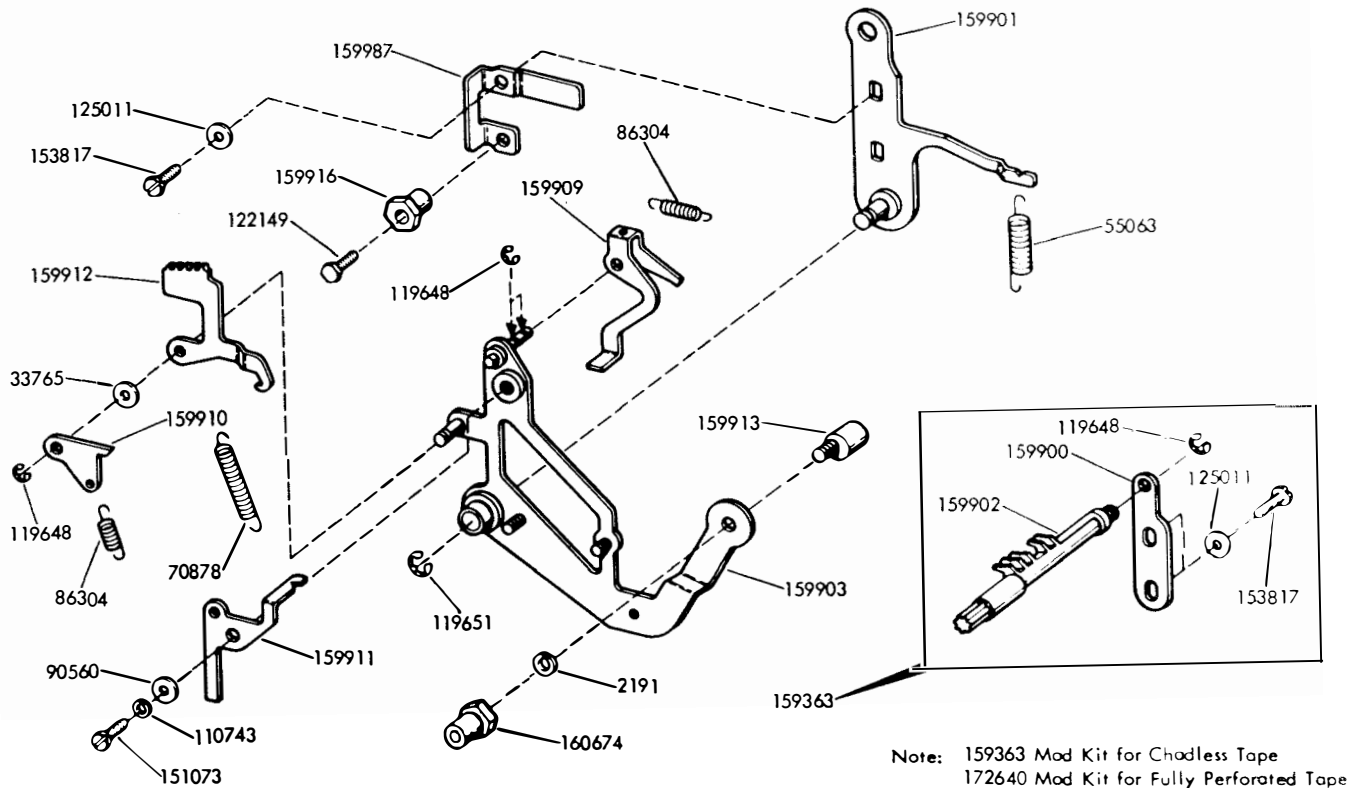


FIGURE 9. 159363 AND 172640 MODIFICATION KIT TO ADD MANUAL BACKSPACE

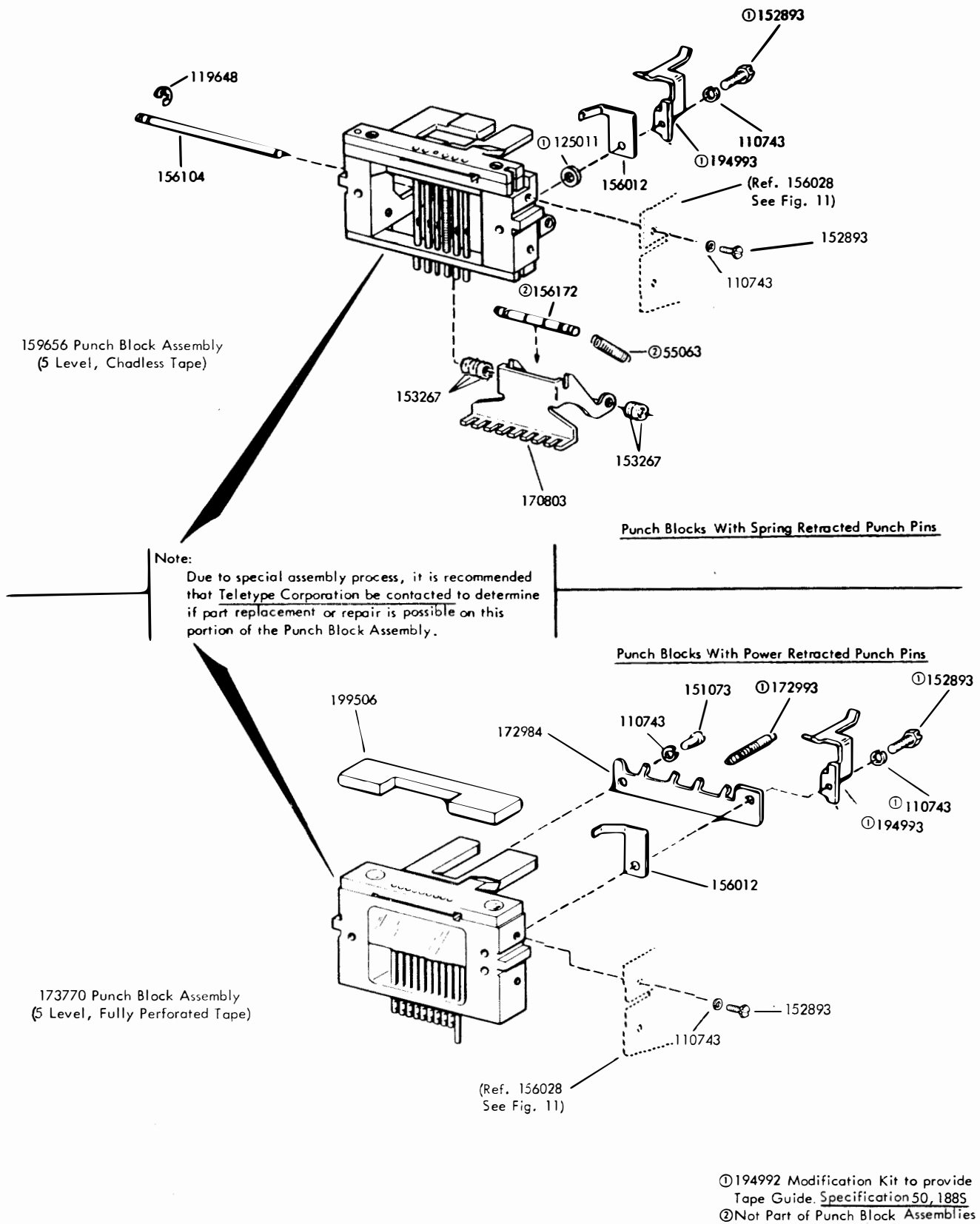


FIGURE 10. PUNCH BLOCK ASSEMBLIES

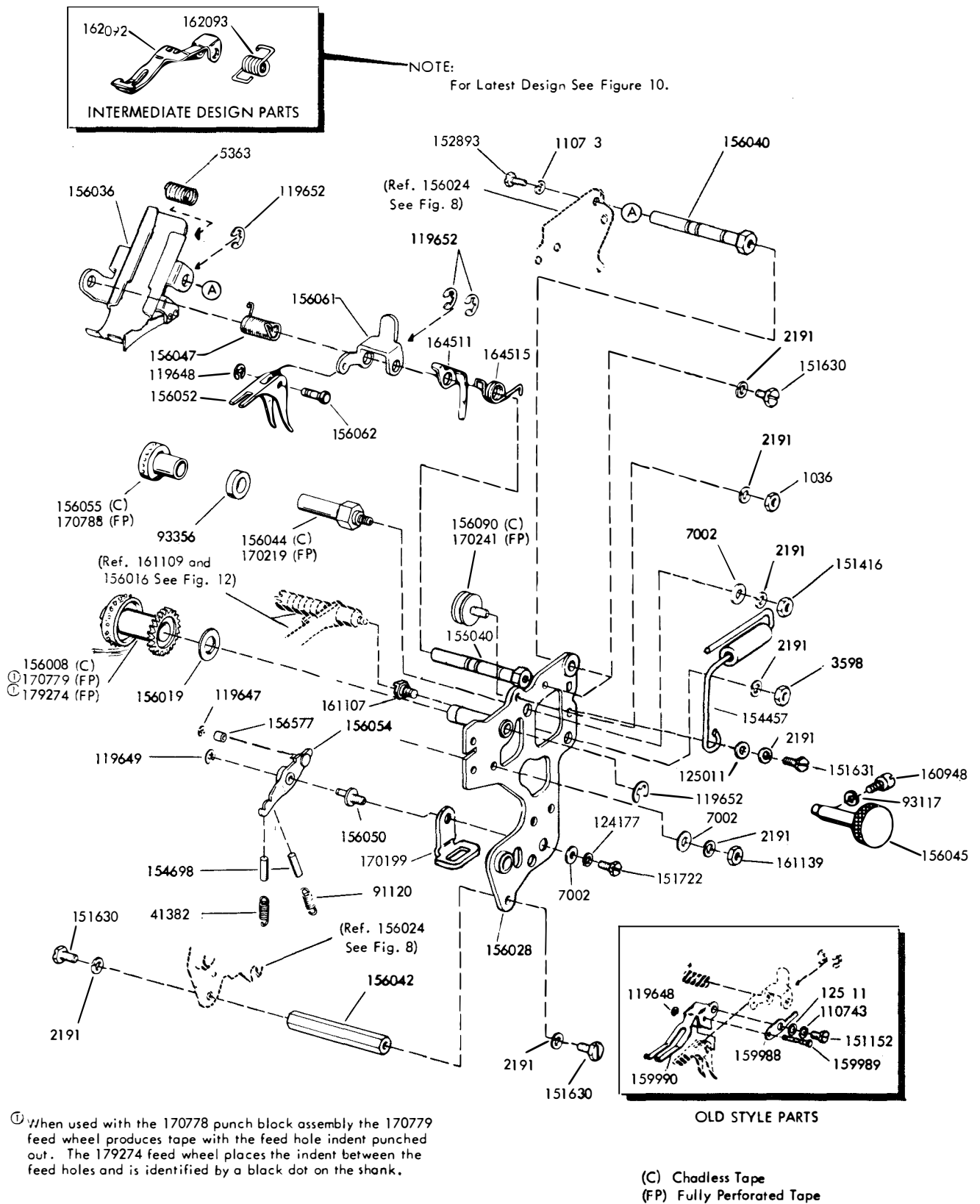


FIGURE 11. PUNCH FRONT PLATE MECHANISM

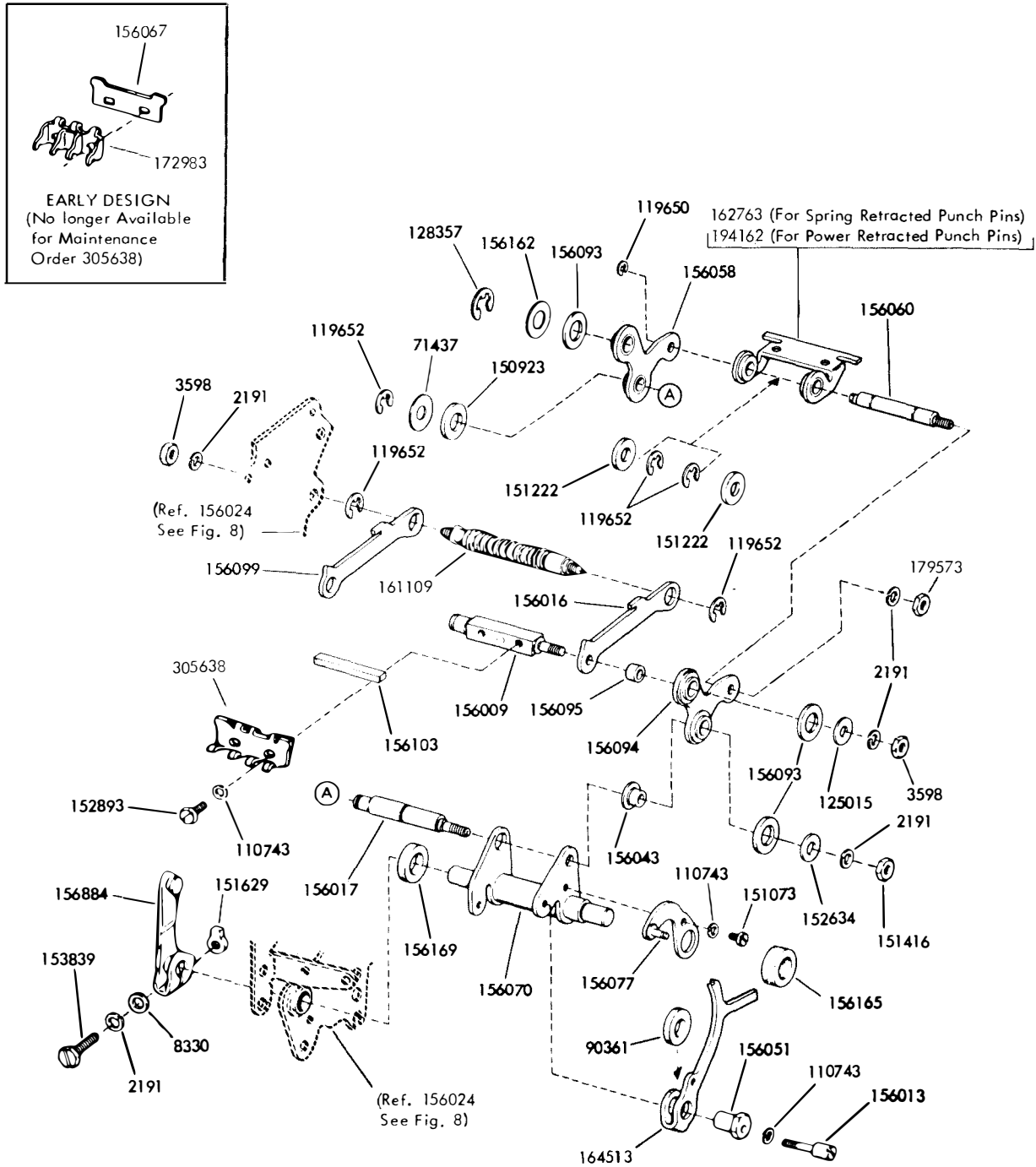
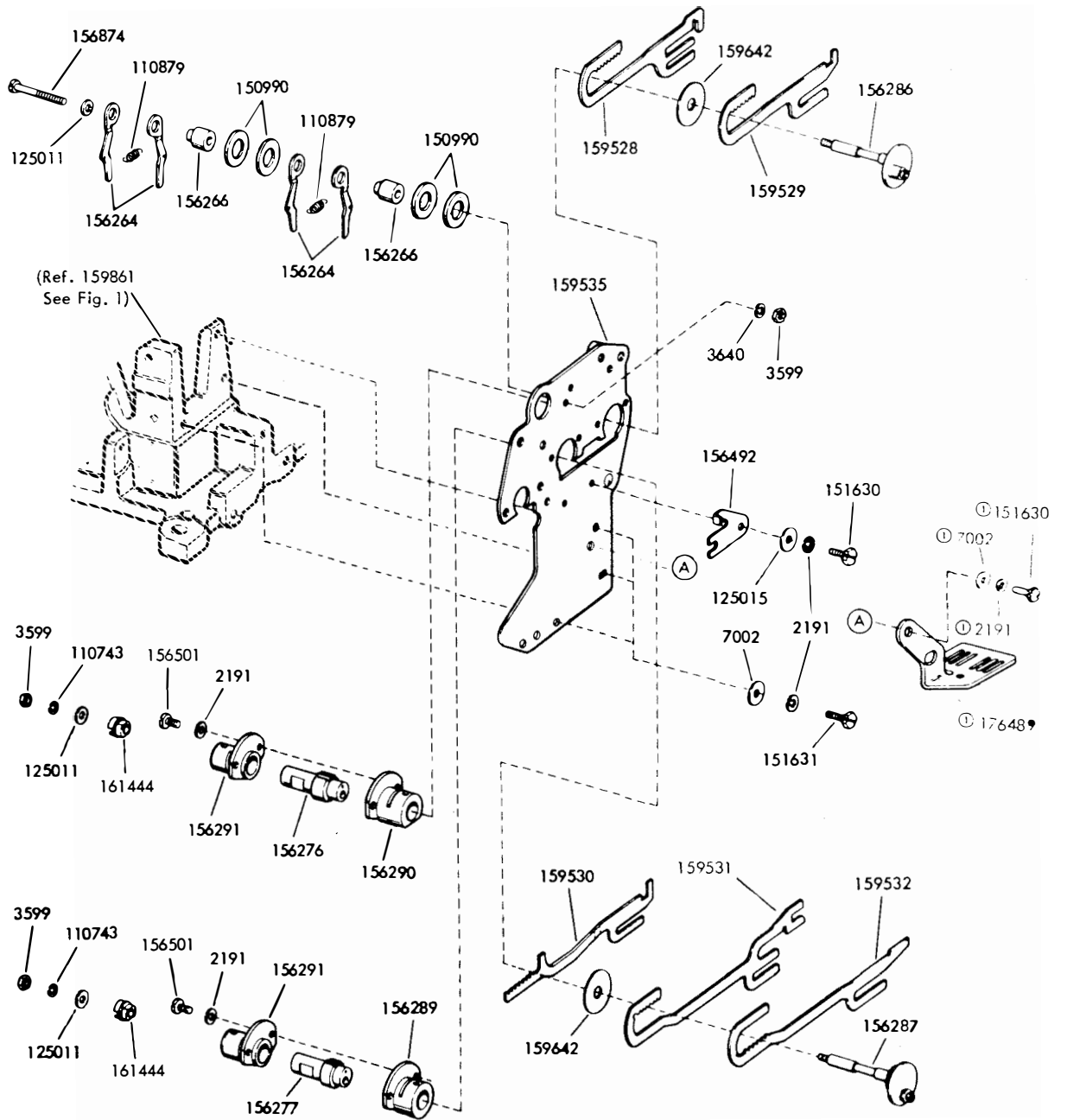


FIGURE 12. PUNCH BAIL MECHANISM



ⓐ New Design Parts, See Figure 1 for Early Design

FIGURE 13. ROTARY POSITIONING MECHANISM

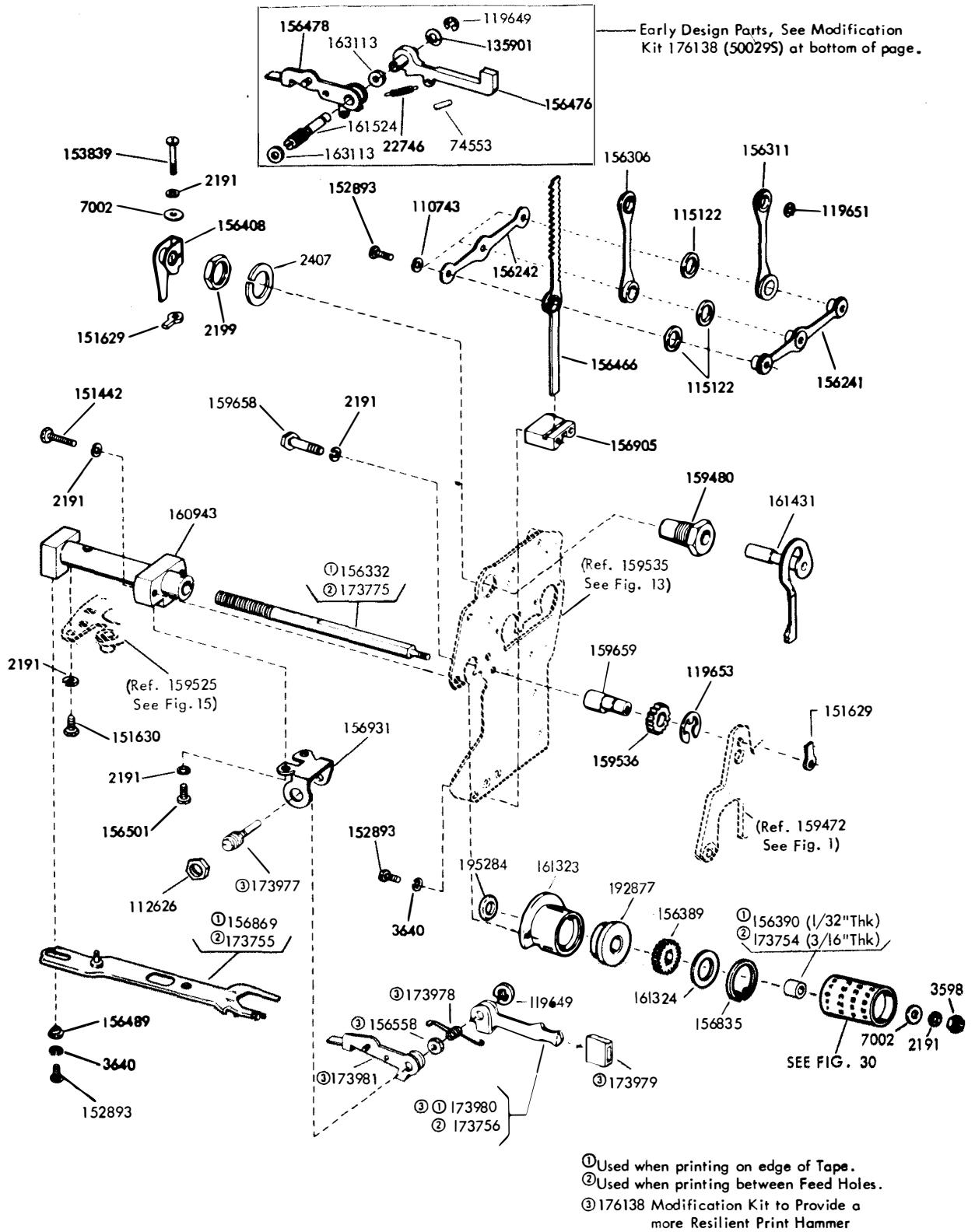


FIGURE 14. ROTARY POSITIONING MECHANISM

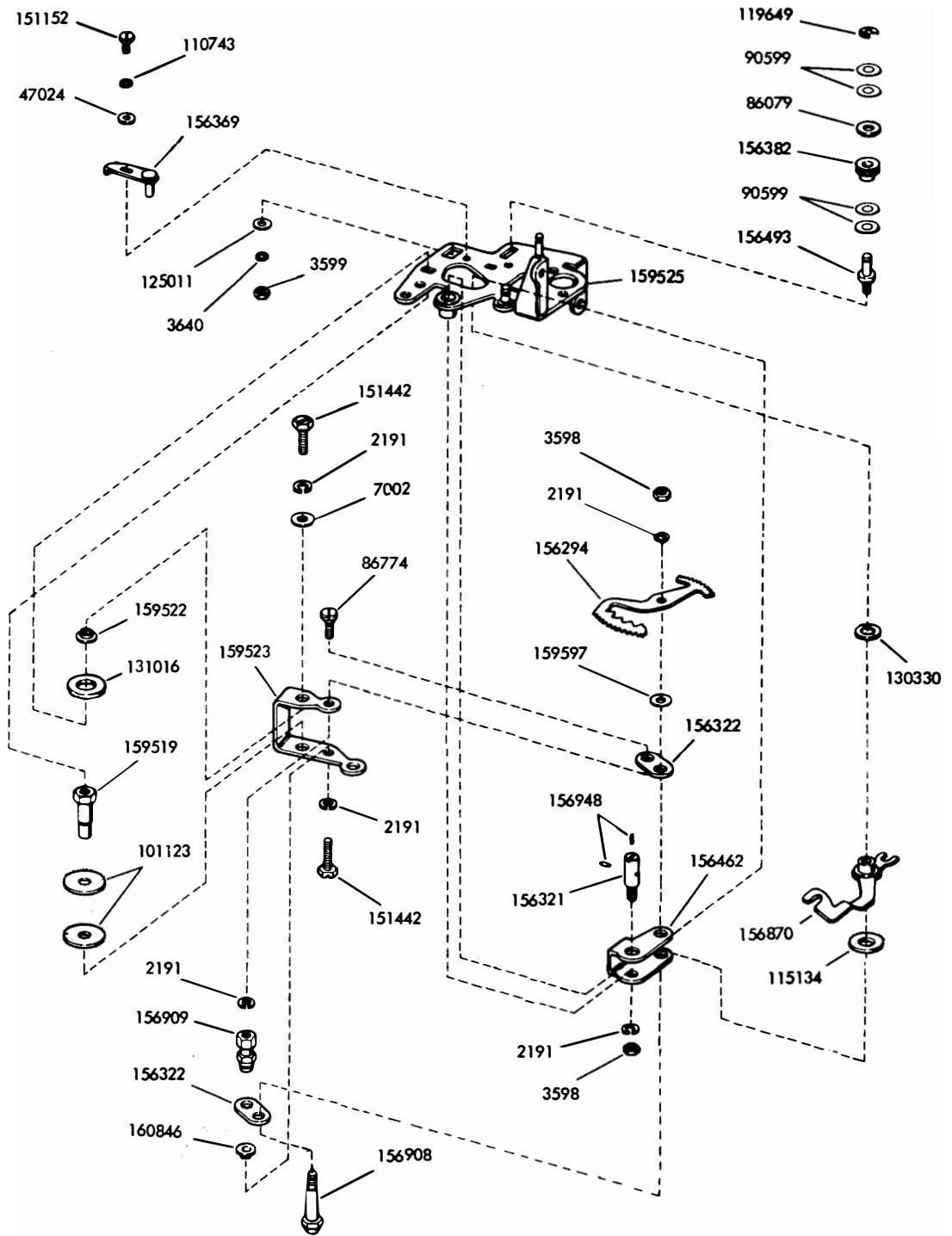
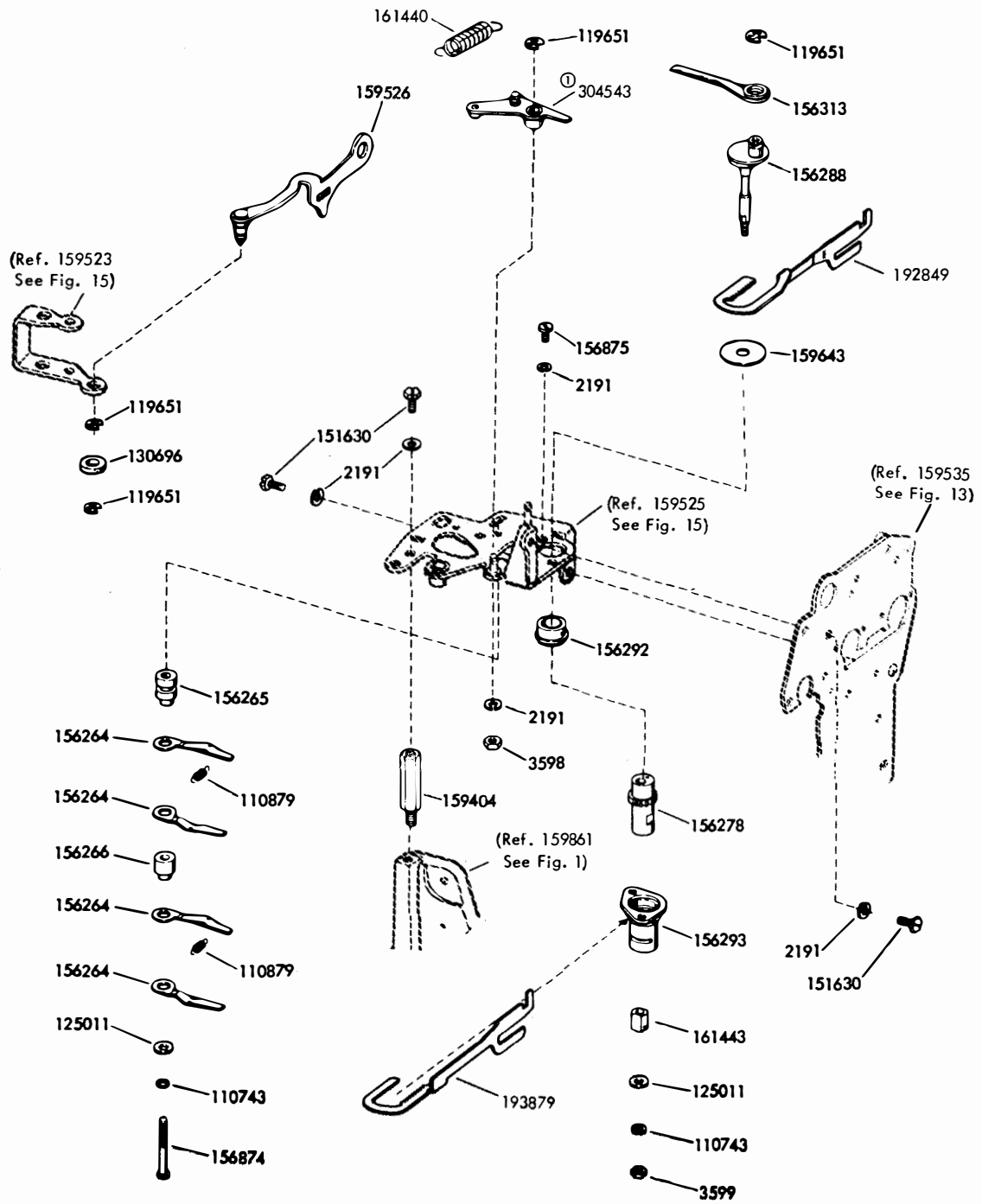


FIGURE 15. AXIAL POSITIONING MECHANISM



Ⓛ Early Design Parts

FIGURE 16. AXIAL POSITIONING MECHANISM

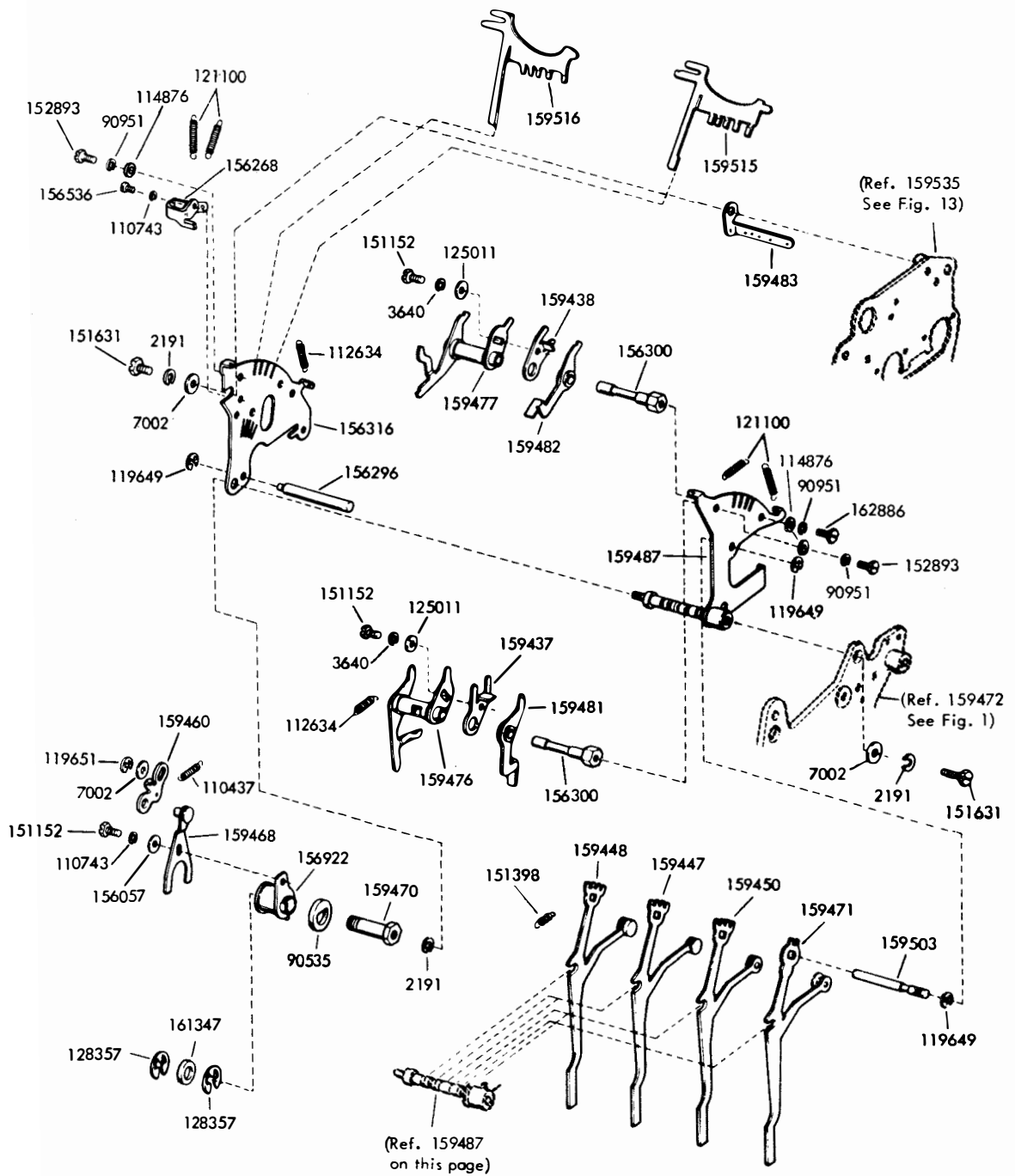


FIGURE 17. FUNCTION BOX MECHANISM

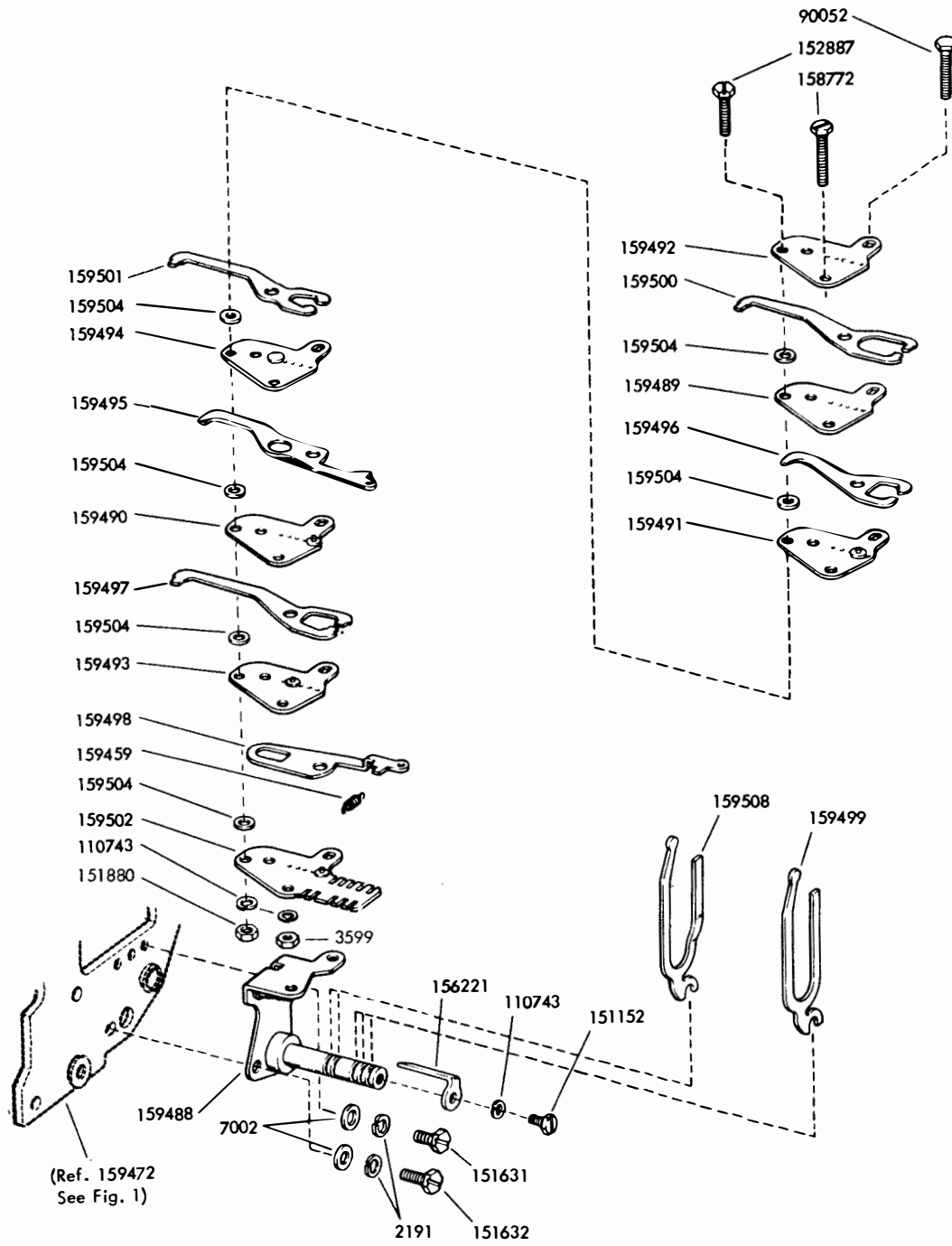
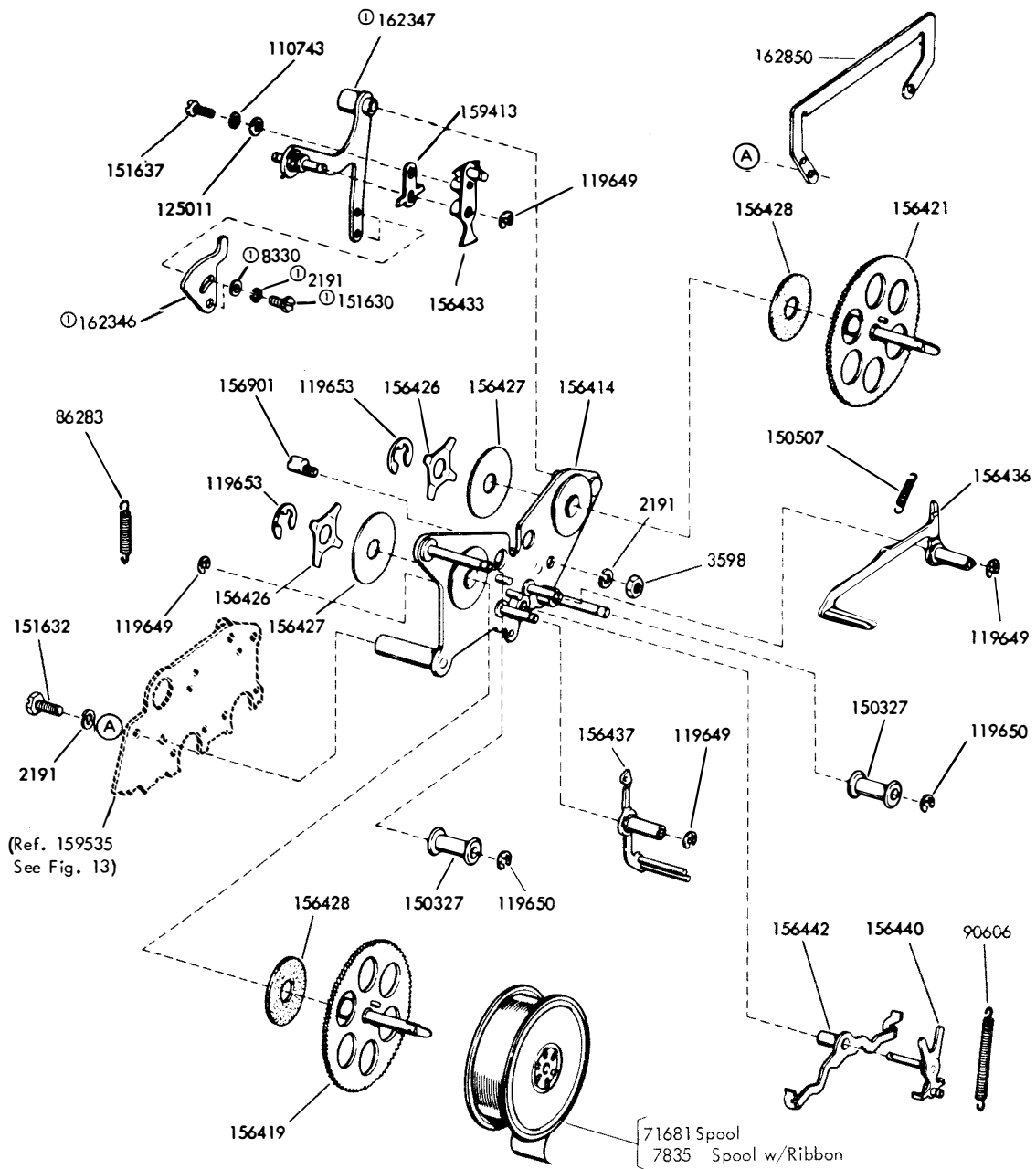


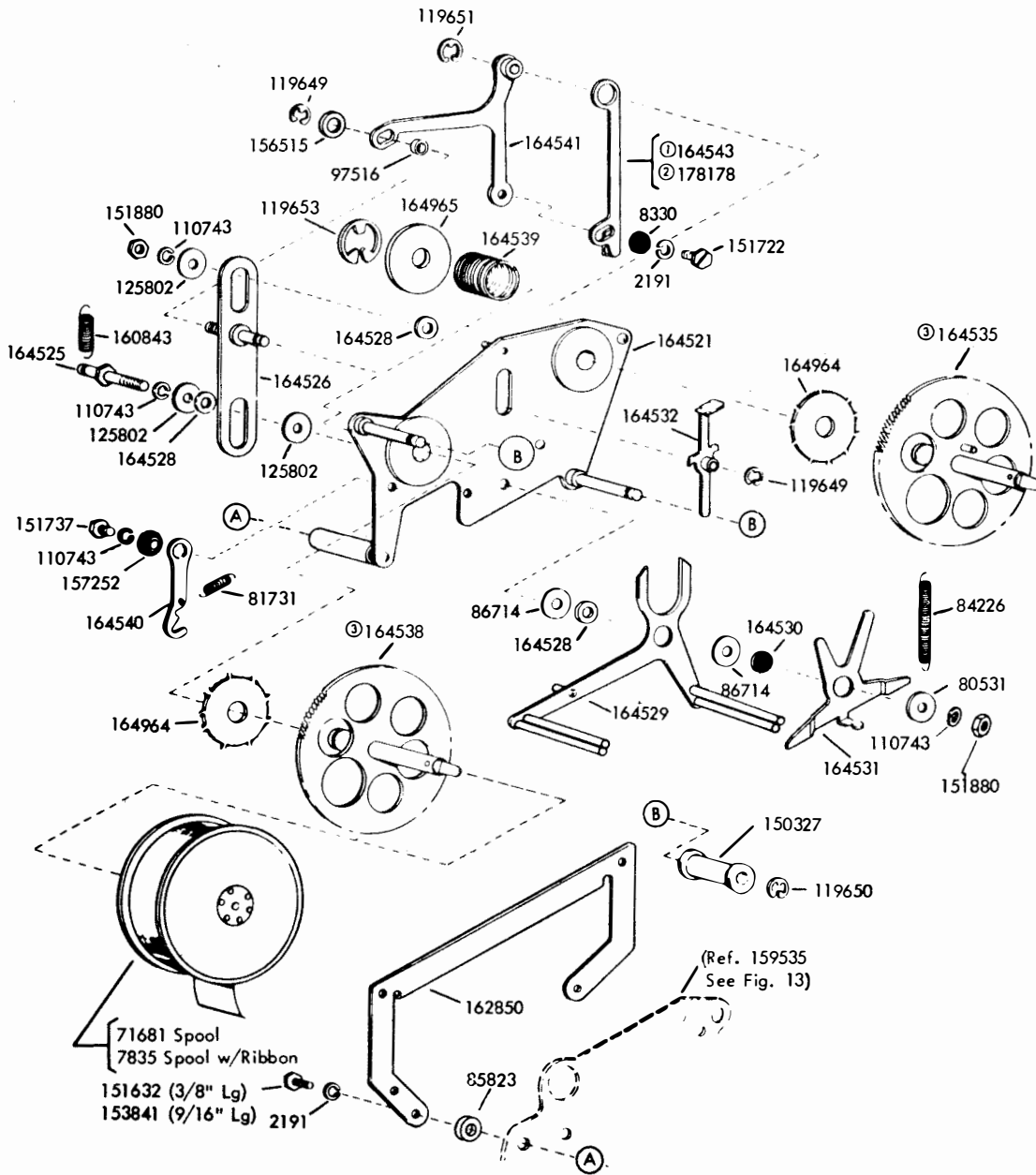
FIGURE 18. TRANSFER MECHANISM



Note:
For Latest Design Ribbon Feed Mechanism See Figure 20.

Ⓞ 154325 Modification Kit to provide
LPR with Adjustable Ribbon Drive Arm

FIGURE 19. RIBBON FEED MECHANISM (EARLY DESIGN)



For Early Design Ribbon Feed Mechanism See Figure 19.

- ① Peculiar to units equipped with spring retracted Punch pins
- ② Peculiar to units equipped with power retracted Punch pins
- ③ 179579 Decalcomania which shows direction of "Ribbon to Roller" is available.

FIGURE 20. RIBBON FEED MECHANISM (LATER DESIGN)

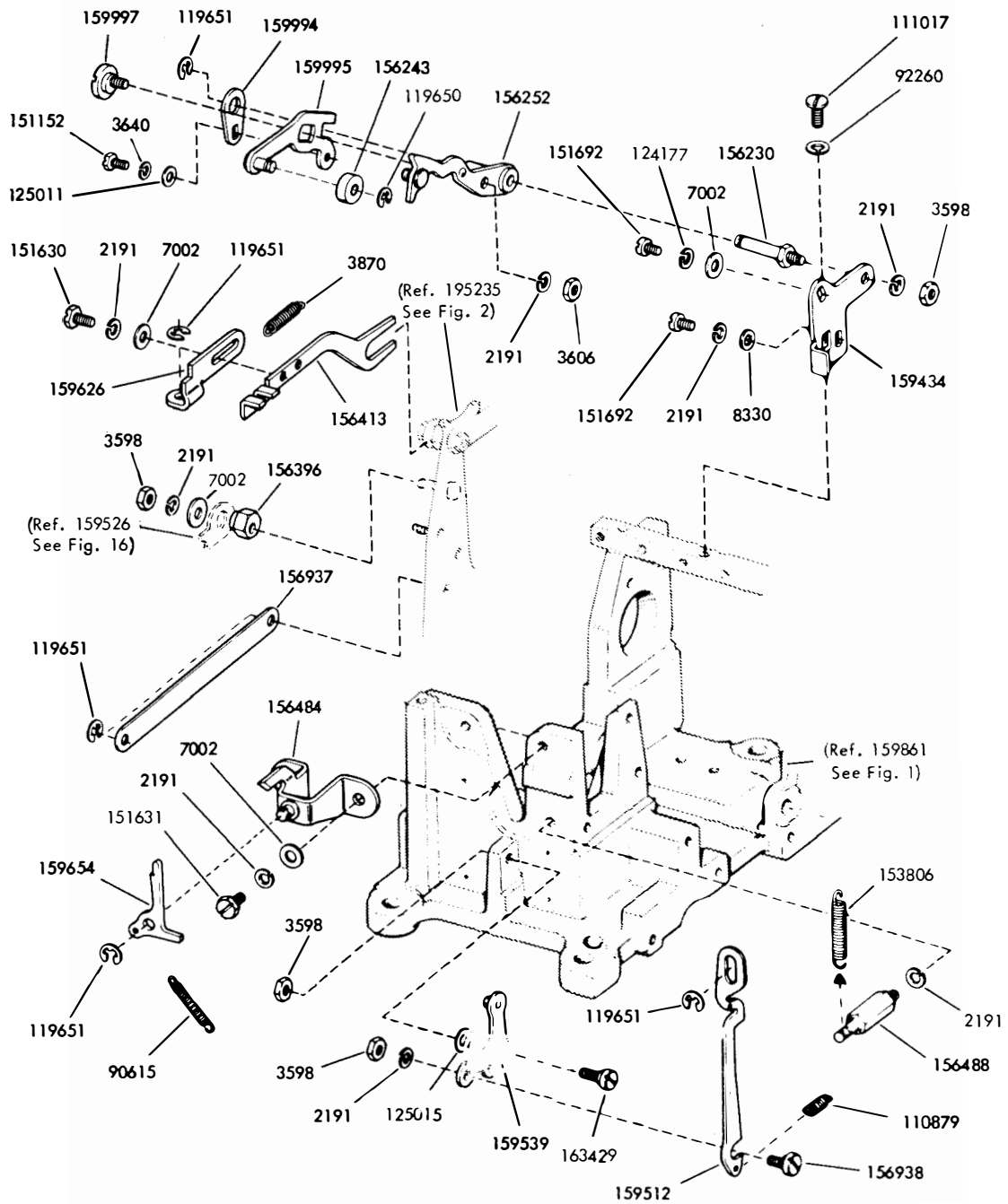


FIGURE 21. TYPING MECHANISM

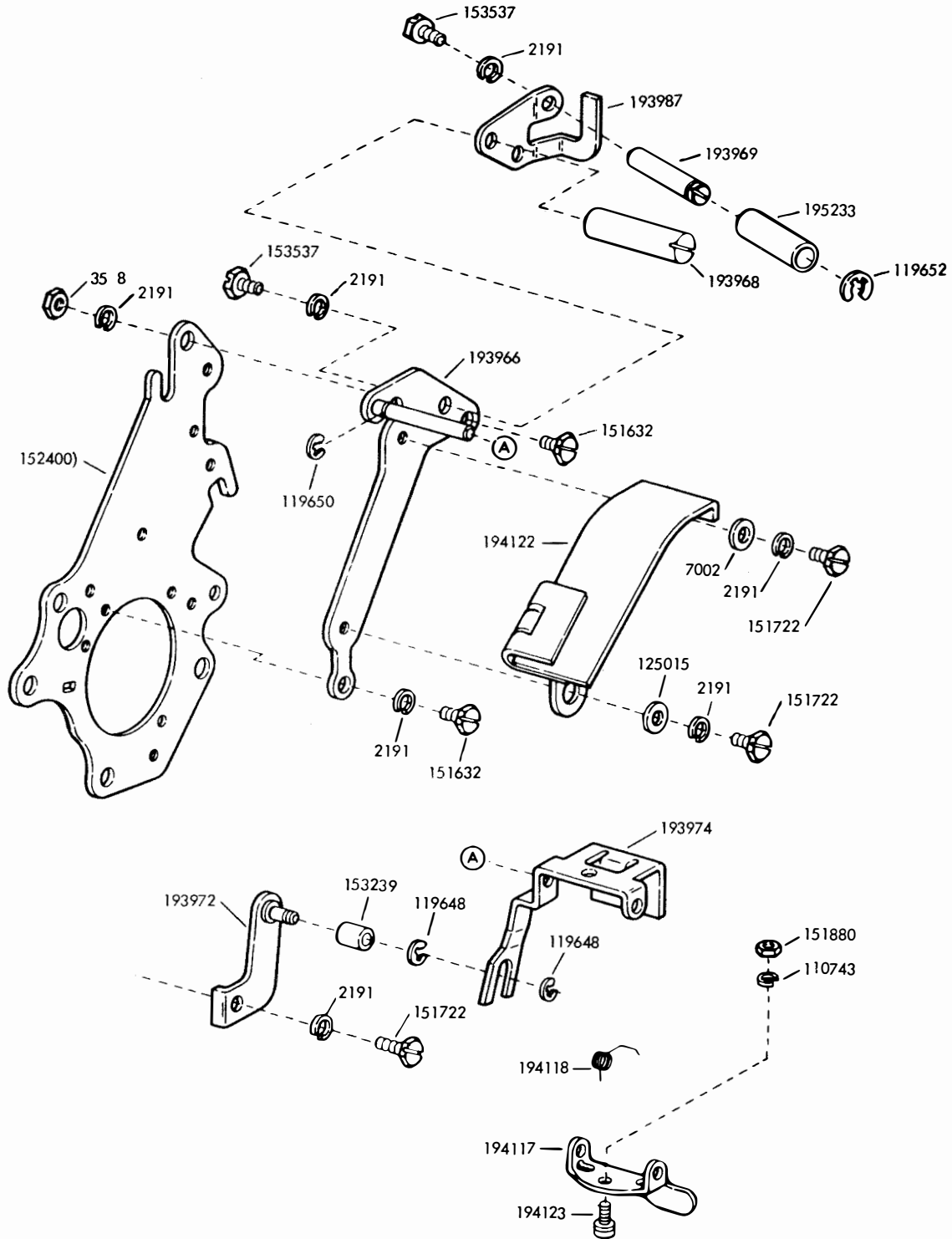


FIGURE 22. TAPE DEPRESSOR MECHANISM

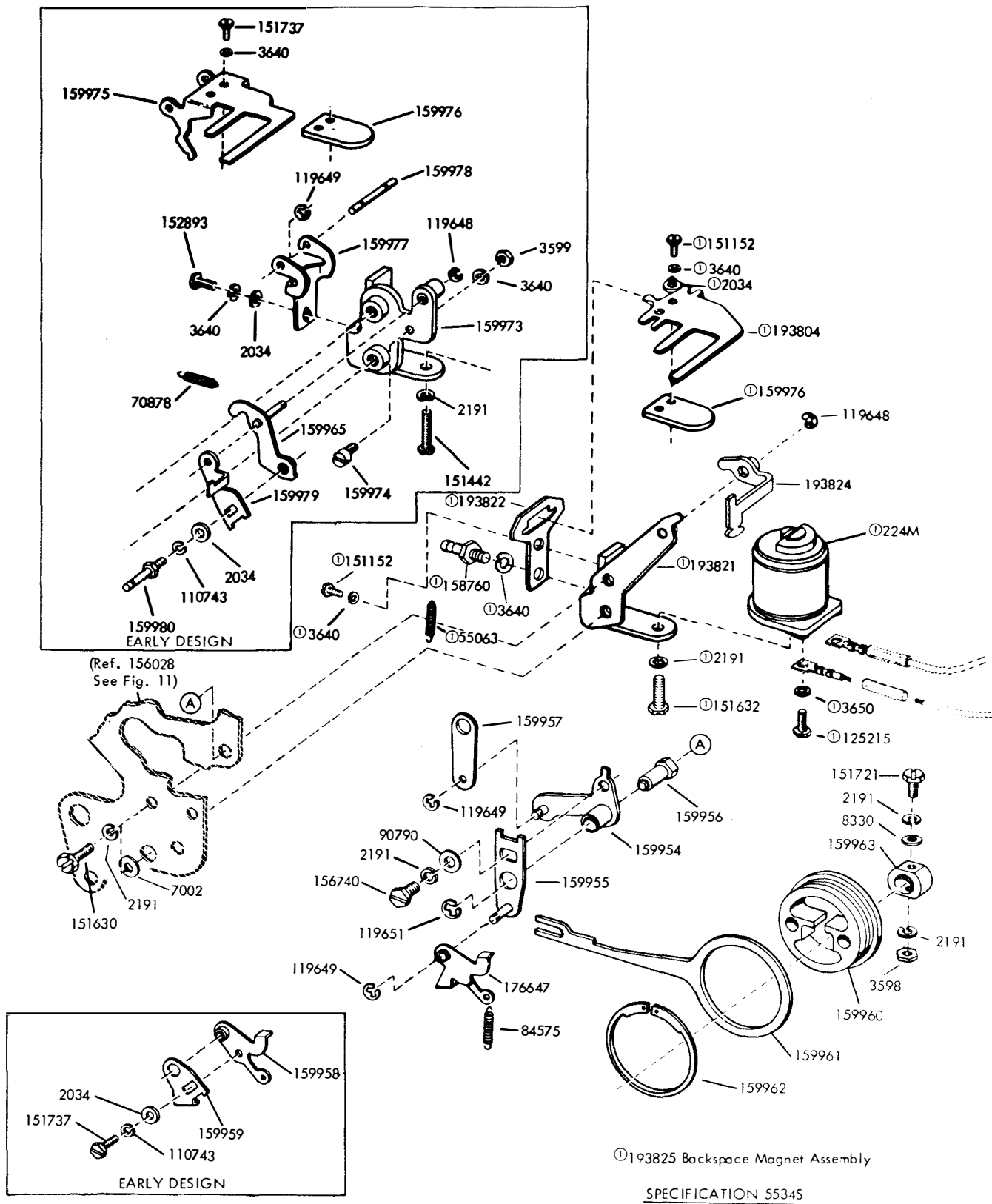


FIGURE 23. 159364 MODIFICATION KIT TO ADD POWER DRIVE TO BACKSPACE

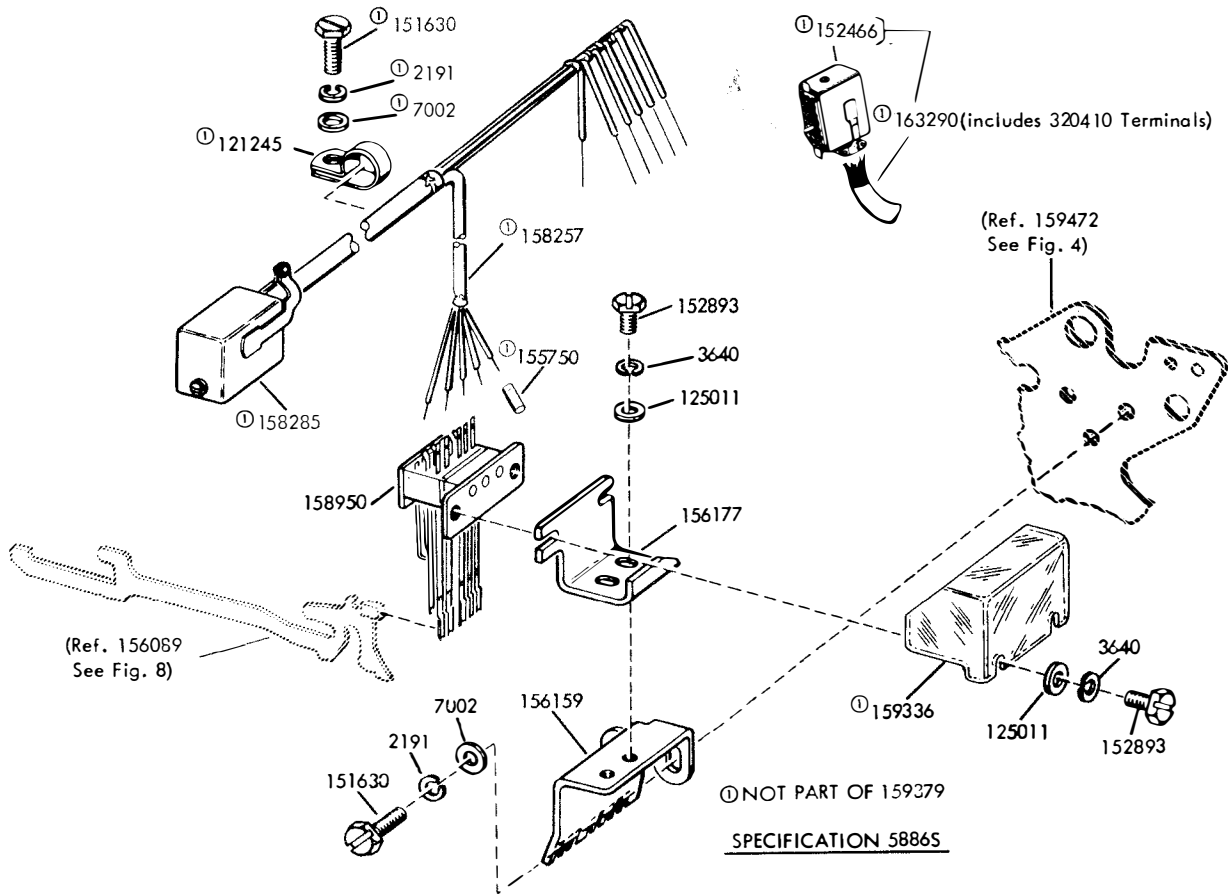
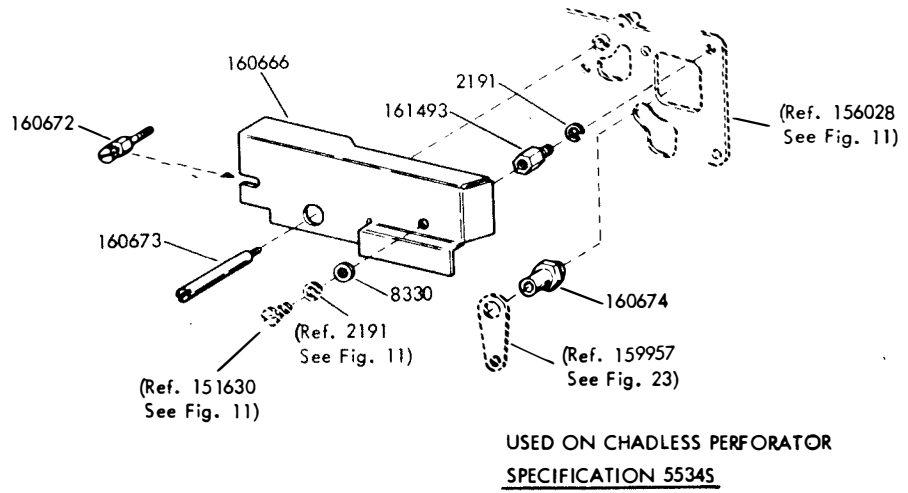


FIGURE 24. 159379 MODIFICATION KIT TO ADD "MAKE ONLY" CODE READING CONTACTS



USED ON CHADLESS PERFORATOR
SPECIFICATION 55345

FIGURE 25. 160881 MODIFICATION KIT TO ADD GUARD TO COVER BACKSPACE MECHANISM

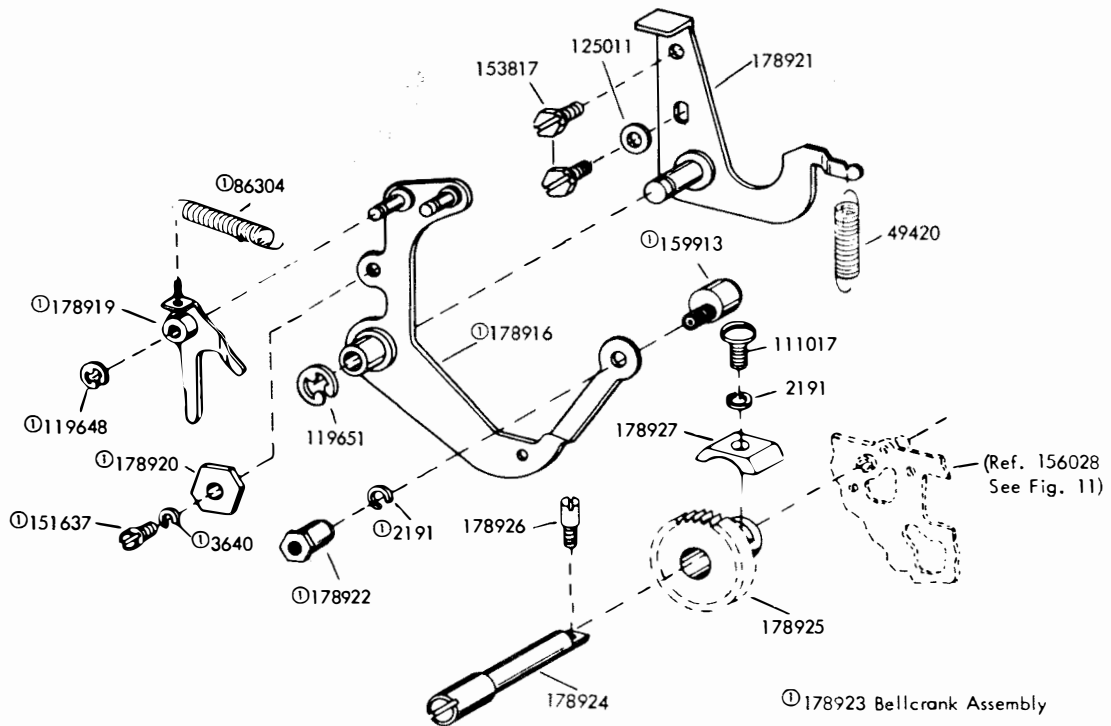


FIGURE 26. 178917 MODIFICATION KIT TO PROVIDE BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE AND PRINTING BETWEEN FEED HOLES

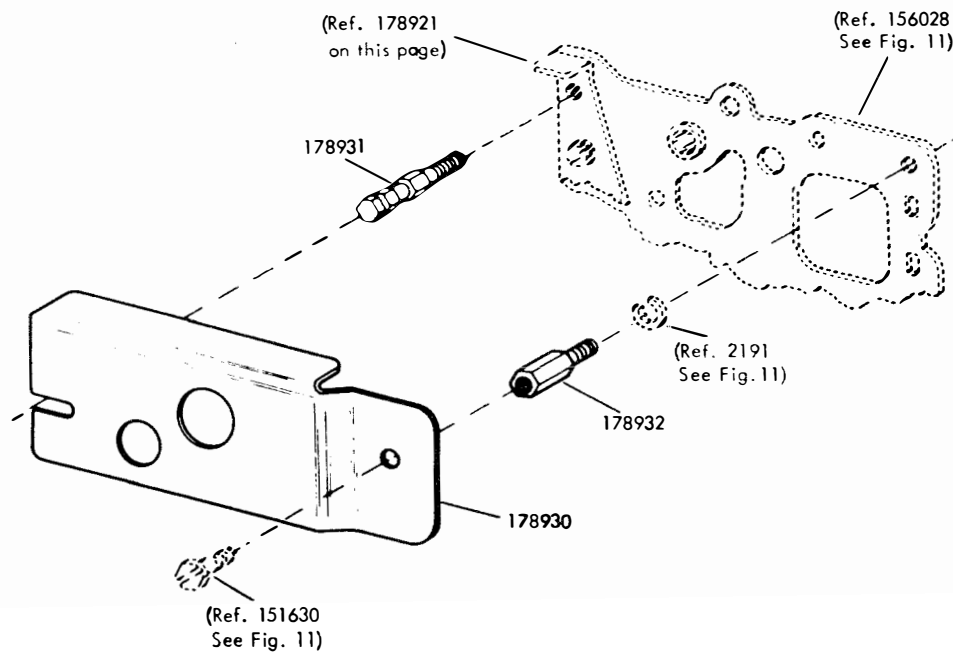
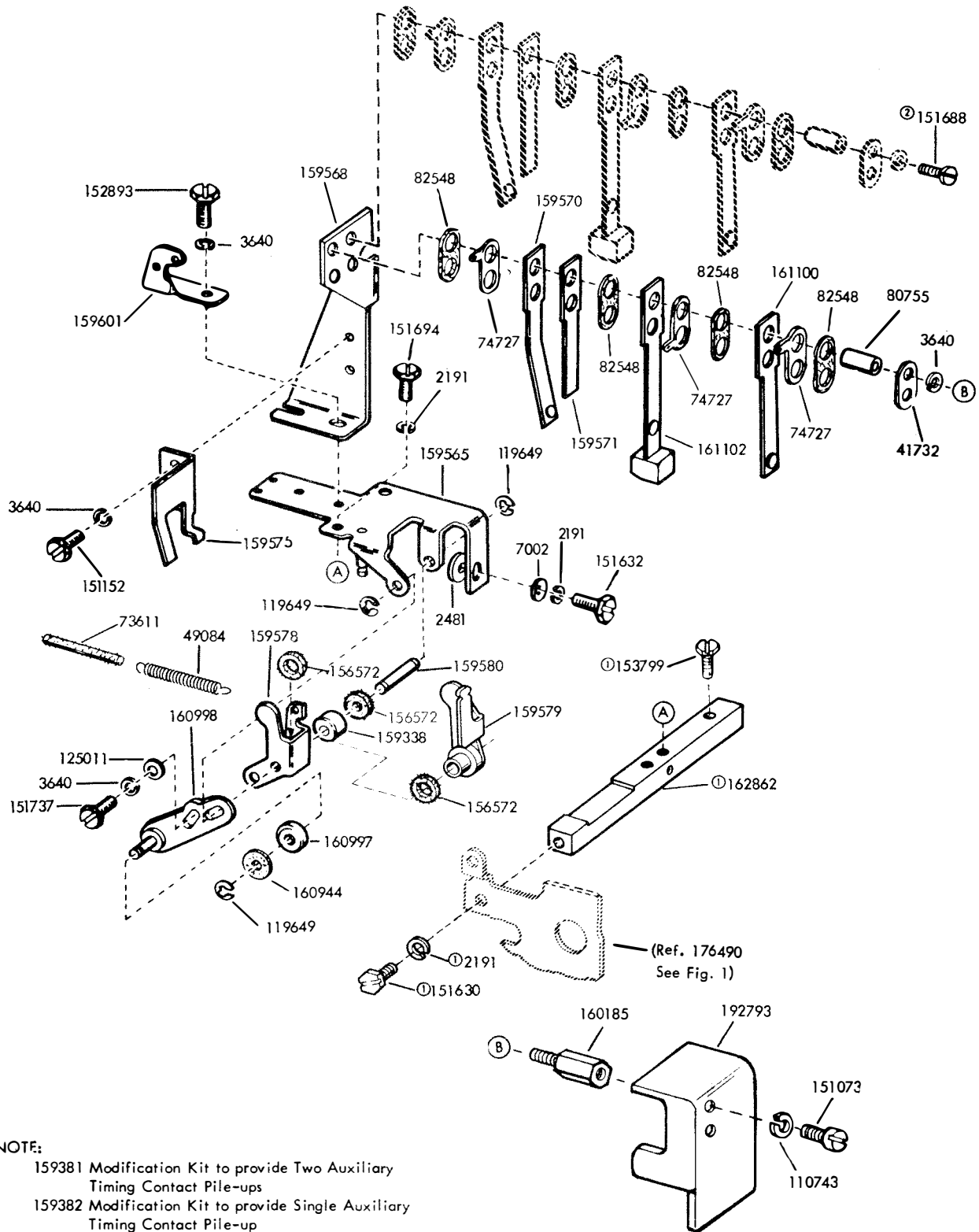


FIGURE 27. 178918 MODIFICATION KIT TO PROVIDE GUARD FOR BACKSPACE MECHANISM



NOTE:
 159381 Modification Kit to provide Two Auxiliary
 Timing Contact Pile-ups
 159382 Modification Kit to provide Single Auxiliary
 Timing Contact Pile-up

SPECIFICATION 58865

① Not Part of 159381 or 159382 Modification Kits
 ② Used with only the 159381 Modification Kit

FIGURE 28. 159381 AND 159382 MODIFICATION KITS TO ADD AUXILIARY TIMING CONTACT

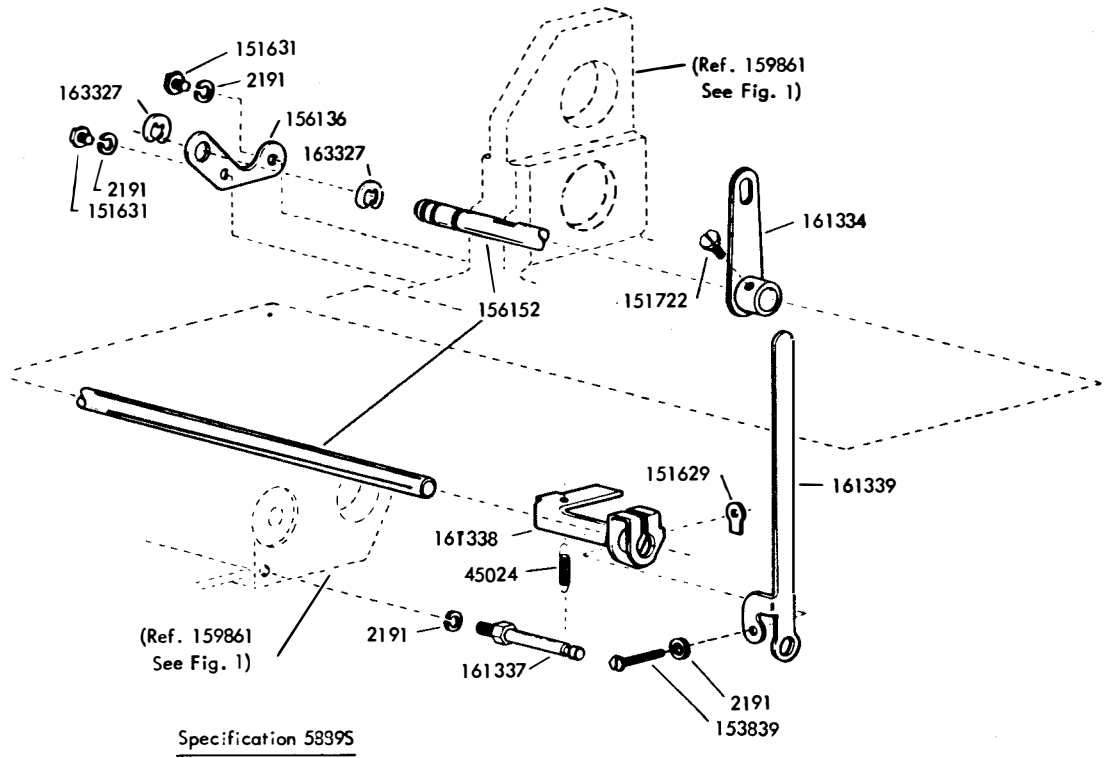


FIGURE 29. 161340 MODIFICATION KIT TO ADD MANUAL INTERFERING LETTERS TAPE FEED-OUT

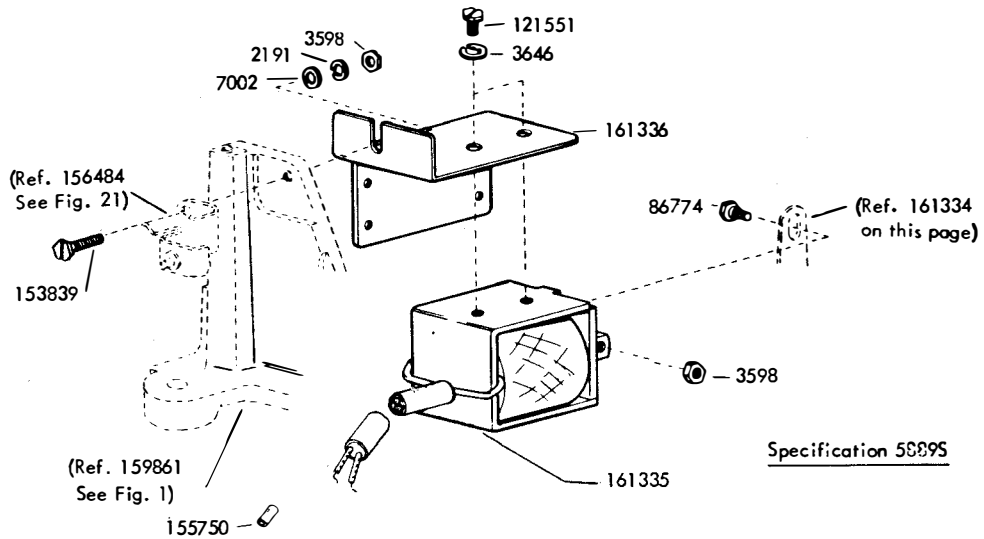


FIGURE 30. 161341 MODIFICATION KIT TO ADD SOLENOID OPERATION TO LETTERS FEED-OUT

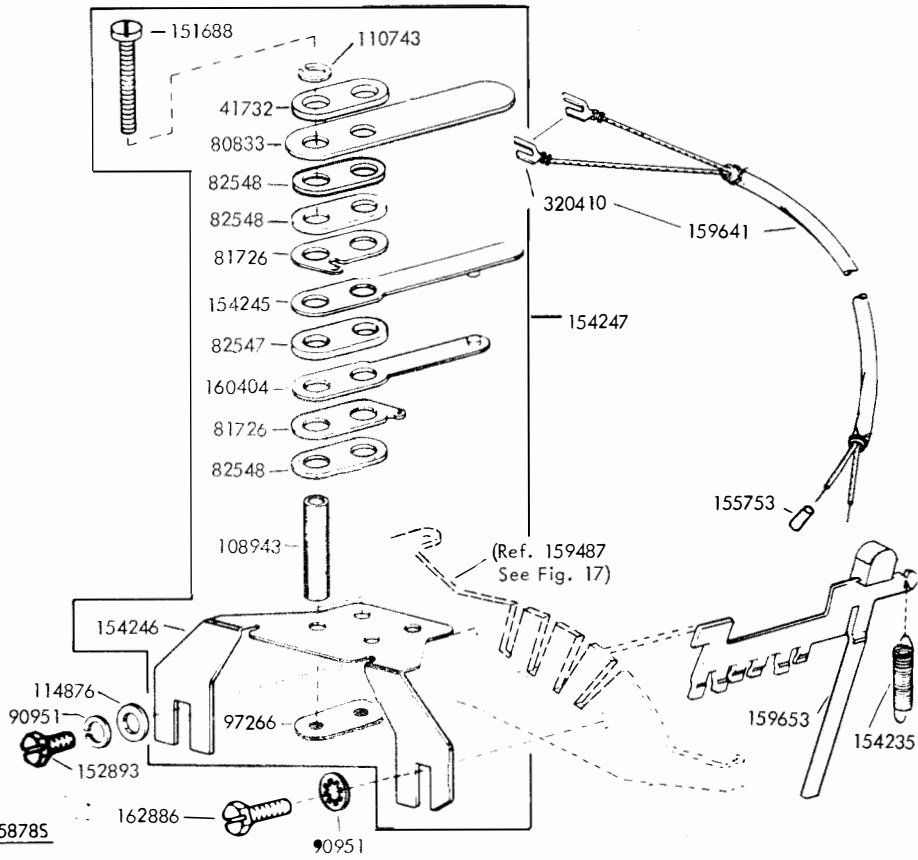


FIGURE 31. 159360 MODIFICATION KIT TO ADD SIGNAL BELL CONTACT (ON UPPER CASE "S")

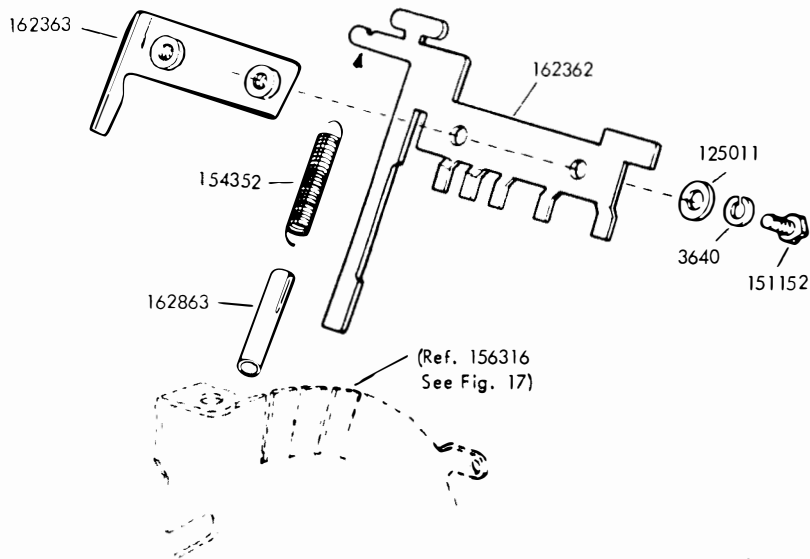
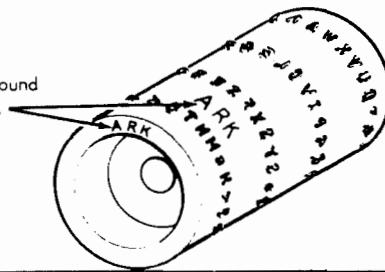


FIGURE 32. 162375 MODIFICATION KIT TO ADD "UNSHIFT ON SPACE"

Typewheel Code may be found in either of two locations.



TYPEWHEEL ARRANGEMENT													
COMMUNICATION		COMMUNICATION		COMMUNICATION		FRACTION		FRACTION		FRACTION		WEATHER	
CODE	PART NUMBER	CODE	PART NUMBER	CODE	PART NUMBER	CODE	PART NUMBER	CODE	PART NUMBER	CODE	PART NUMBER	CODE	PART NUMBER
AWA	173967	AFU	175690	AWJ	175573	ABA	175586	AGM	307306	AXY	175520	ARE	173970
ABD	175588	AFV	175691	AWM	175576	ABC	175587	AGP	307308	AXZ	175521	ABZ	175607
ABE	175589	AFW	175692	AWU	175582	ABG	175591	AGT	307311	AYB	175523	ADH	175636
ABF	175590	AFX	175693	AXE	175504	ABM	175596	AGU	307312	AYE	175526	ADR	175643
ABH	175592	AFY	175694	AXG	175506	ABN	175597	AGW	307314	AYG	175528	AGS	307310
ABJ	175593	AGA	175696	AXH	175507	ABR	175599	AGX	307315	AYL	175532	AHT	307333
ABL	175595	AGE	307300	AXP	175513	ABU	175602	AGY	307316	AYP	175535	AJG	307346
ABP	175598	AGK	307304	AXR	175514	ABV	175603	AGZ	307317	AYS	175537	AJK	307348
ABS	175600	AGN	307307	AXU	175517	ABX	175605	AHB	307319	AYT	175538	AJM	307350
ABT	175601	AGR	307309	AYC	175524	ABY	175606	AHE	307322	AYV	175544	AJR	307353
ABW	175604	AHA	307318	AYF	175527	ACB	175609	AHK	307326	AZE	175552	AKD	307364
ACA	175608	AHC	307320	AYH	175529	ACE	175611	AHL	307327	AZG	175554	ARM	163677
ACD	175610	AHD	307321	AYK	175531	ACG	175613	AHM	307328	AZM	175559	ARW	163683
ACF	175612	AHF	307323	AYM	175533	ACH	175614	AHR	307331	AZN	175561	AWB	163685
ACL	175617	AHN	307329	AYR	175536	ACJ	175615	AHV	307335	AZV	175567	AWE	163688
ACM	175618	AHP	307330	AYU	175543	ACK	175616	AJB	307341	BRB	175701	AWP	175578
ACN	175619	AHS	307332	AZC	175550	ACR	175621	AJD	307343	BRG	175706	AWY	175584
ACP	175620	AHU	307334	AZH	175555	ACS	175622	AJE	307344	BRJ	175708	AWZ	175585
ACT	175623	AHW	307336	AZJ	175556	ACZ	175629	AJH	307347	BRW	175719	AXA	175500
ACU	175624	AHX	307337	AZK	175557	ADA	175630	AJL	307349	BRX	175720	AXC	175502
ACV	175625	AHY	307338	AZP	175560	ADC	175632	AJP	307351	BWD	175723	AXD	175503
ACW	175626	AJA	307340	AZQ	175562	ADE	175633	AJT	307355	BWM	175731	AXF	175505
ACX	175627	AJC	307342	AZT	175565	ADF	175634	AJW	307357	BWY	175740	AXS	175515
ACY	175628	AJF	307345	AZU	175566	ADK	175638	AJX	307358	BXB	175743	AYA	175522
ADB	175631	AJS	307354	AZW	175568	ADM	175640	AKA	307361	BXD	175745	AYD	175525
ADJ	175637	AJU	307356	AZX	175569	ADP	175642	AKB	307362	BXK	175751	AYJ	175539
ADL	175639	AJZ	307360	AZY	175570	ADS	175644	AKC	307363			AYN	175534
ADT	175645	AKF	307366	BRL	175710	ADV	175647	AKE	307365			AYX	175546
ADU	175646	AKG	307367	BRN	175712	ADX	175649	AKH	307368			AYZ	175547
ADW	175648	AKJ	307369	BRP	175713	ADY	175650	AKS	307375			AZF	175553
AED	175655	AKL	307370	BRQ	175714	ADZ	175651	AKT	307376			AZL	175558
AEF	175656	AKM	307371	BRT	175716	AEA	175652	AKV	307378			AZR	175563
AEG	175657	AKN	307372	BWC	175700	AEB	175653	AKX	307380			AZS	175564
AEH	175658	AKP	307373	BWH	175727	ABJ	175659	ALB	307384			BRF	175705
AEK	175660	AKR	307374	BWJ	175728	AEP	175664	ARC	173971			BRH	175707
AEL	175661	AKU	307377	BWK	175729	AER	175665	ARJ	173968			BRK	175709
AEM	175662	AKW	307379	BWL	175730	AET	175667	ARP	163678			BRS	175715
AEN	175663	AKY	307381	BWN	175732	AFA	175674	ART	163680			BRV	175718
AES	175666	AKZ	307382	BWP	175733	AFD	175677	ARU	163689			BRY	175721
AEV	175669	ALA	307383	BWR	175734	AFE	175678	AWD	163687			BRZ	175722
AEW	175670	ARA	173965	BWS	175735	AFH	175680	AWK	175574			BWE	175724
AEX	175671	ARK	163675	BWT	175736	AFK	175682	AWN	175577				
AEY	175672	ARL	163676	BWX	175739	AFL	175683	AWR	175579				
AFB	175675	ARS	173969	BWZ	175741	AFN	175685	AWT	175581				
AFC	175676	ARV	163684	BXA	175742	AFZ	175695	AWX	175583				
AFG	175679	ARX	163682	BXC	175744	AGB	175697	AXB	175501				
AFJ	175681	ARY	163681	BXE	175746	AGC	175698	AXL	175510				
AFM	175684	ARZ	163679	BXF	175747	AGD	175699	AXM	175511				
AFP	175686	AWC	163686	BXG	175748	AGF	307301	AXN	175512				
AFR	175687	AWF	163690	BXH	175749	AGH	307302	AXT	175516				
AFS	175688	AWG	175571	BXJ	175750	AGJ	307303	AXV	175518				
AFT	175689	AWH	175572	BXL	175752	AGL	307305	AXW	175519				

FIGURE 33. TYPEWHEELS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
224M	Coil, Magnet 23	90535	Washer, Felt 17	150034	Disk, 2 Stop Clutch 8
1036	Nut, 6-40 Hex 11	90560	Washer, Flat 9	150040	Screw, 6-40 x 5/8 Fil 7, 8
2034	Washer, Flat 23	90573	Spring 3, 4	150043	Shoe, Secondary Clutch 7, 8
2191	Washer, Lock 2 to 9, 11 to 27	90599	Shim, .008" Thk 15	150044	Shoe, Primary Clutch 7, 8
2199	Nut, 7/16-32 Hex 14	90606	Spring 2, 19	150048	Spring 2, 5
2407	Washer, Lock 14	90615	Spring 21	150241	Spring 2, 5, 7, 8
2481	Washer, Flat 26	90790	Washer, Flat 23	150327	Roller, Ribbon 19, 20
2669	Washer, Lock 3, 4, 6	90951	Washer, Lock 17, 28	150356	Lever, Trip 2, 5
3438	Washer, Flat 4, 6	91120	Spring 11	150507	Spring 19
3598	Nut, 6-40 Hex 2, 3, 4, 5, 9, 11, 12, 14, 15, 16, 19, 21, 22, 23, 27	92260	Washer, Lock 21	150830	Bushing, Shoulder 8
3599	Nut, 4-40 Hex 3, 9, 13, 15, 16, 18, 23	93108	Washer, Lock 2, 4	150841	Bearing 8
3603	Nut, 1/4-32 Hex 2, 4	93117	Washer, Lock 11	150923	Washer, Felt 12
3606	Nut, 6-40 Hex 3, 9, 21	93356	Washer, Felt 2, 5, 11	150966	Insulator, Terminal Block 6
3639	Washer, Lock 4	96717	Screw, 4-40 Shoulder 3	150990	Washer, Felt 13
3640	Washer, Lock 3, 4, 8, 13, 14, 15, 17, 21, 23, 24, 25, 26, 28	97266	Plate, Clamp 28	151073	Screw, 4-40 x 5/32 Fil 2, 5, 9, 10, 12, 26
3646	Washer, Lock 27	97516	Bushing 20	151152	Screw, 4-40 x 3/16 Hex 2, 5, 11, 15, 17, 18, 21, 23, 26, 28
3650	Washer, Flat 23	101123	Washer, Felt 15	151222	Washer, Felt 12
3870	Spring 21	108943	Bushing 28	151246	Washer, Flat 3, 4
5363	Spring, Compression 11	110434	Screw, 4-40 x 3/16 Fil 2	151335	Stud 6
6970	Nut, 3/8-32 Hex 6	110437	Spring 17	151346	Screw, 6-40 x 3/8 Fil 4
7002	Washer, Flat 2 to 9, 11, 13, 14, 15, 17, 18, 21 to 24, 26, 27	110743	Washer, Lock 2, 5, 7 to 20, 22, 23, 26, 28	151362	Wick, Felt 3, 4
7835	Ribbon w/Spool, Black 19, 20	110879	Spring 13, 16, 21	151398	Spring 17
8330	Washer, Flat 2, 3, 5, 9, 12, 19, 20, 21, 23, 24	111017	Screw, 6-40 x 5/16 Fil 6, 21, 25	151415	Block, Terminal 6
22746	Spring 14	112626	Nut, 10-32 Hex 14	151416	Nut, 6-40 Hex 6, 11, 12
33765	Washer, Flat 9	112634	Spring 17	151442	Screw, 6-40 x 1/2 Hex 3, 14, 15, 23
41382	Spring 11	114876	Washer, Flat 17, 28	151620	Strap, Motor Mounting 6
41543	Bearing, Ball 2, 4	115122	Washer, Felt 14	151621	Screw, 6-32 x 3/4 Rd 6
41732	Plate, Clamp 26, 28	115134	Washer, Felt 15	151622	Nut, 6-32 Sq 6
42823	Washer, Flat 7, 8	115941	Washer, Flat 2, 4	151629	Nut, 6-40 Lug 2, 5, 12, 14, 27
45024	Spring 27	119647	Ring, Retaining 11	151630	Screw, 6-40 x 1/4 Hex 2, 7, 8, 11, 13, 14, 16, 19, 21, 23, 24, 25, 26
47024	Washer, Flat 15	119648	Ring, Retaining 4, 9, 10, 11, 22, 23, 25	151631	Screw, 6-40 x 5/16 Hex 2 to 6, 8, 9, 11, 13, 17, 18, 21, 27
49084	Spring 26	119649	Ring, Retaining 11, 14, 15, 17, 19, 20, 23, 26	151632	Screw, 6-40 x 3/8 Hex 2, 3, 4, 6 to 9, 18, 19, 20, 22, 23, 26
49420	Spring 25	119650	Ring, Retaining 12, 19 to 22	151637	Screw, 4-40 x 1/4 Fil 9, 19, 25
55063	Spring 9, 10, 23	119651	Ring, Retaining 3, 9, 14, 16, 17, 20, 21, 23, 25	151640	Lever, Shoe Release 7
70878	Spring 9, 23	119652	Ring, Retaining 2, 3, 5, 11, 12, 22	151657	Screw, 6-40 x 1/4 Fil 3, 5, 6
71437	Washer, Flat 12	119653	Ring, Retaining 14, 19, 20	151658	Screw, 6-40 x 5/16 Fil 2, 3, 4
71681	Spool, Ribbon 19, 20	121100	Spring 17	151688	Screw, 4-40 x 5/8 Fil 26, 28
73611	Wick, Felt 26	121245	Clamp, 5/16 ID Cable 24	151692	Screw, 6-40 x 3/16 Fil 21
74553	Wick, Felt 14	121551	Screw, 8-32 x 1/4 Hex 27	151694	Screw, 6-40 x 11/32 Fil 26
74727	Terminal, Contact 26	122149	Screw, 4-40 Spl 9	151712	Button, Pivot 6
76081	Washer, Flat 5	122207	Strap Assembly 6	151721	Screw, 6-40 x 3/4 Hex 23
80531	Washer, Flat 20	124177	Washer, Lock 3, 4, 9, 11, 21	151722	Screw, 6-40 x 3/16 Hex 9, 11, 20, 22, 27
80755	Bushing, Insulating 26	125011	Washer, Flat 2, 3, 5, 9, 10, 11, 13, 15, 16, 17, 19, 21, 24, 25, 26, 28	151724	Screw, 10-32 x 5/8 Hex 4, 6
80833	Guard, Contact Spring 28	125015	Washer, Flat 3, 12, 13, 21, 22	151728	Spring 7
81726	Terminal 28	125215	Screw, 4-40 x 3/16 Hex 23	151736	Spring 8
81731	Spring 20	125231	Nut, 10-32 Hex 3, 4	151737	Screw, 4-40 x 11/64 Hex 7, 8, 20, 23, 26
82392	Shim, .004" Thk 3	125802	Washer, Flat 20	151880	Nut, 4-40 Hex 18, 20, 22
82547	Insulator, .094" Thk 28	128357	Ring, Retaining 12, 17	152400	Plate, Selector Mounting 22
82548	Insulator, .062" Thk 26, 28	130330	Washer, Felt 15	152415	Stud, Adjusting 2, 4
84226	Spring 20	130696	Washer, Felt 16	152466	Connector, 20 Pt Receptacle 24
84575	Spring 23	131016	Washer, Felt 15	152634	Washer, Flat 12
85422	Screw, 10-32 x 15/16 Hex 6	135716	Spring 2, 5	152887	Screw, 4-40 x 1/2 Hex 18
85823	Spacer, .188" Thk 20	135901	Washer, Cup 14	152893	Screw, 4-40 x 1/4 Hex 2 to 5, 9 to 12, 14, 17, 23, 24, 26, 28
86079	Washer, Felt 15	139697	Screw, 4-40 x 9/32 Fil 7	153030	Mount, Vibration 6
86283	Spring 19	139752	Screw, 4-40 x 11/64 Fil 2, 5	153239	Roller 4, 22
86304	Spring 9, 25	150000	Drum, Clutch 8	153267	Washer, Felt 10
86506	Post, Spring 2	150013	Disk, Adjusting 7		
86714	Washer, Flat 20	150014	Disk, Adjusting 8		
86774	Screw, 6-40 Shoulder 15, 26	150027	Lever, Shoe Release 8		
87401	Spring 2, 5	150029	Wick, Felt 7, 8		
90052	Screw, 4-40 x 5/8 Hex 18				
90361	Washer, Felt 12				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
153537	Screw, 6-40 x 9/32 Hex 22	156104	Shaft 10	156436	Arm, Front Ribbon Reversing 19
153799	Screw, 4-40 x 21/64 Hex 26	156136	Bracket, Shaft Mounting 27	156437	Arm, Rear Ribbon Reversing 19
153806	Spring 21	156152	Shaft, Feed-out Drive 27	156440	Lever, Ribbon Reversing 19
153817	Screw, 4-40 x 3/8 Hex 9, 25	156159	Bracket 24	156442	Pawl, Ribbon Reversing 19
153839	Screw, 6-40 x 5/8 Hex 2, 5, 12, 14, 27	156162	Washer, Flat 12	156462	Bail, Oscillating 15
153841	Screw, 6-40 x 9/16 Hex 20	156163	Guide 9	156465	Washer, Spring 3, 4
154235	Spring 28	156165	Washer, Felt 2, 5, 12	156466	Rack, Typewheel 14
154242	Screw, 6-40 x 5/16 Hex 3, 4	156168	Spring 9	156467	Ring, Retaining 3, 4
154245	Spring, Contact 28	156169	Washer, Felt 12	156472	Post, Spring 2, 5
154246	Bracket, Contact 28	156172	Rod 10	156473	Shaft, Main 7
154247	Contact Assembly 28	156173	Stud 9	156476	Hammer, Print 14
154325	Modification Kit to Provide an Adjustable Ribbon Drive Arm 19	156177	Bracket, Contact 24	156478	Accelerator, Hammer 14
154335	Screw, 6-40 x 9/32 Fil 7, 8	156221	Lock 18	156478	Bracket 21, 27
154352	Spring 28	156230	Stud, Lifter Pivot 21	156484	Post, Spring 21
154397	Shaft w/Bearing 3, 7, 8	156235	Post, Guide 2, 5	156488	Bushing, Ribbon Guide 14
154398	Bearing, Needle 7, 8	156236	Collar 7, 8	156490	Post, Guide 2, 5
154457	Guide, Tape 11	156241	Link, Front 14	156492	Bracket, Guide 13
154694	Disk, Clutch Cam 7	156242	Link, Rear 14	156493	Stud 15
154698	Wick, Felt 11	156243	Roller, Lifter Arm 21	156501	Screw, 6-40 x 7/32 Fil 13, 14
155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 24, 27	156248	Latch 2, 5	156515	Washer, Felt 20
155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 28	156252	Lifter, Function Blade 21	156536	Screw, 4-40 x 1/8 Fil 17
155995	Screw, 6-40 Shoulder 2, 4	156264	Lever, Detent 13, 16	156558	Washer, Felt 14
156008	Wheel, Feed 11	156265	Bushing, Shoulder 16	156572	Washer, Felt 26
156009	Post, Slide 12	156266	Bushing, Shoulder 13, 16	156576	Washer, Felt 3, 4
156012	Spring, Punch Block 10	156267	Lever, Trip 2, 5	156577	Roller, Detent Lever 11
156013	Screw, 4-40 Spl 12	156268	Bracket, Spring 17	156740	Screw, 6-40 x 7/32 Hex 23
156015	Plate, Spring 9	156276	Eccentric, Right Rotary 13	156835	Ring, Retaining 14
156016	Link, Front Drag 11, 12	156277	Eccentric, Left Rotary 13	156869	Guide, Ribbon 14
156017	Shaft, Eccentric 12	156278	Eccentric 16	156870	Lever, Ribbon Oscillating 15
156019	Washer, Felt 11	156286	Shaft, Right Eccentric 13	156871	Bail, Operating Blade 3
156020	Slide 9	156287	Shaft, Left Eccentric 13	156872	Blade, Operating 3
156024	Plate, Rear 9, 11, 12	156288	Shaft, Axial Eccentric 16	156874	Screw, 4-40 x 15/16 Fil 13, 16
156028	Plate, Front 9, 10, 11, 23, 24, 25	156289	Bearing, Left Front 13	156875	Screw, 6-40 x 5/32 Fil 16
156036	Guide, Tape 11	156290	Bearing, Right Front 13	156876	Bushing 3
156040	Post 11	156291	Bearing, Rear 13	156877	Washer, Felt 3
156042	Post, Spacing 11	156292	Housing, Upper Axial 16	156884	Arm, Rocker 12
156043	Bushing 12	156293	Housing, Lower Axial 16	156899	Stud, Eccentric 3
156044	Stud, Die Wheel 11	156294	Sector, Axial 15	156900	Roller 3
156045	Shaft, Feed Wheel 11	156296	Post, Retaining 17	156901	Post, Eccentric 19
156046	Block, Tape Guide 9	156300	Shaft 17	156905	Block, Rack Guide 14
156047	Spring, Torsion 11	156306	Rod, Right Connecting 14	156908	Post, Sector Pivot 15
156050	Stud, Eccentric 11	156311	Rod, Left Connecting 14	156909	Post, Toggle Link 15
156051	Bushing, Eccentric 12	156313	Rack, Axial Output 16	156922	Arm, Lock Release 17
156052	Shoe, Tape 11	156316	Plate, Rear 17, 28	156931	Bracket, Hammer Mounting 14
156054	Lever, Detent 11	156318	Lever, Reset 2	156937	Link, Printing Drive 3, 21
156055	Wheel, Die 11	156321	Shaft, Oscillating 15	156938	Screw, 6-40 Eccentric Shoulder 21
156057	Washer, Flat 17	156322	Link, Axial Toggle 15	156948	Wick, Felt 15
156058	Link, Rear 12	156332	Shaft, Typewheel 14	156987	Screw, 6-40 Spl 3, 4
156060	Shaft, Eccentric 12	156366	Shaft, Rocker Bail 3, 4	156988	Race, Outer 3, 4
156061	Arm, Tape Shoe 11	156369	Lever, Adjusting 15	156989	Bearing 3, 4
156062	Post, Pivot 11	156382	Roller, Guide 15	156990	Race, Inner 3, 4
156067	Guide, Slide Post 12	156389	Gear, 16T 14	156994	Strip, Felt 3, 4
156069	Plate 9	156390	Washer, Flat 14	156995	Post 3, 4
156070	Bail, Toggle 12	156396	Eccentric 3, 21	156998	Retainer, Roller 3, 4
156077	Plate w/Post 12	156399	Nut, 6-40 Shoulder 3	157252	Bushing 20
156089	Slide w/Insulator 9, 24	156403	Disk, Bearing 3, 4	158169	Frame 4, 5, 8
156090	Screw, 6-40 Adjusting 9, 11	156408	Arm, Clamp 14	158171	Shaft w/Bearing 2, 4
156093	Washer, Felt 12	156412	Link, Drive 3, 4	158172	Lever, Latch 2, 5
156094	Link, Front 12	156413	Link, Drive 21	158177	Collar 8
156095	Bushing 12	156414	Plate, Ribbon Feed Mounting 19	158180	Cam w/Pins 8
156099	Link, Rear Drag 12	156419	Shaft, Left Ribbon Ratchet 19	158182	Disk, Clutch Cam 8
156103	Strip, Felt 12	156421	Shaft, Right Ribbon Ratchet 19	158184	Drum, Function Clutch 7, 8
		156426	Washer, Spring 19	158185	Gear, 49T 8
		156427	Disk, Friction 19	158186	Screw, 4-40 x 7/32 Fil 8
		156428	Washer, Felt 19	158257	Cable Assembly 24
		156433	Pawl, Ribbon Feed 19		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
158285	Connector, 20 Pt Plug 24	159519	Bushing, Drive Bail 15	159976	Armature 23
158745	Clamp, Bearing 3, 4	159522	Bushing, Drive Bail 15	159977	Hinge 23
158760	Post, Spring 23	159523	Bail, Oscillating Drive 15, 16	159978	Shaft 23
158772	Screw, 4-40 x 5/8 Hex 18	159525	Bracket, Axial Mounting 14 to 16	159979	Arm, Non-Repeat 23
158881	Nut, 6-40 Shoulder 2, 4	159526	Link, Oscillating 16, 21	159980	Post, Spring 23
158925	Slide, Tape Depressor 9	159528	Bar, #5 Push 13	159981	Spacer, .109" Thk 9
158941	Bail, Rocker 4	159529	Bar, #3 Push 13	159987	Bracket, Guide 9
158950	Contact Assembly, Code Reading 24	159530	Bar, #4 Push 13	159988	Plate, Adjusting 11
159011	Bracket, Spring 2, 5	159531	Bar, LTRS Push 13	159989	Post, Shoe Pivot 11
159336	Shield, Contact 24	159532	Bar, FIGS Push 13	159990	Bail, Guide 11
159338	Spacer, .250" Thk 26	159535	Plate, Front 13, 14, 16, 17, 19, 20	159994	Plate, Lifter Arm Lock 21
159341	Bearing, Ball 3, 4	159536	Gear, 15T 14	159995	Arm, Lifter 21
159360	Modification Kit 1, 28	159539	Arm, Printing Pivot 21	159997	Screw, 6-40 Eccentric 21
159363	Modification Kit 1, 9	159544	Release, Clutch 2, 5	160185	Post 26
159364	Modification Kit 1, 23	159560	Spring 9	160354	Cam, Function 7
159365	Modification Kit 9	159565	Bracket w/Post 26	160404	Spring, Contact 28
159379	Modification Kit 1, 24	159568	Bracket, Contact 26	160581	Lever, Upper Reset 5
159381	Modification Kit 1, 26	159570	Spring, Contact 26	160666	Guard, Backspace 24
159382	Modification Kit 1, 26	159571	Stiffener 26	160672	Stud 24
159404	Post 16	159575	Bracket, Stop 26	160673	Shaft, Feedwheel 24
159411	Bearing Assembly 3, 4	159578	Bail, Front Contact 26	160674	Nut, 6-40 Shoulder 9, 24
159413	Plate, Ribbon Reversing 19	159579	Bail, Rear Contact 26	160839	Spacer, Shoulder 3
159427	Bracket, Stop 2, 5	159580	Shaft, Actuating Bail 26	160843	Spring 20
159430	Lever, Slide Trip 2, 5	159597	Washer, Flat 15	160846	Bushing, Shoulder 15
159434	Plate, Lifter Mounting 21	159601	Bracket, Spring 26	160881	Modification Kit 1, 24
159437	Arm, FIGS Yield 17	159621	Screw, 6-40 Shoulder 9	160943	Housing, Typewheel Shaft 14
159438	Arm, LTRS Yield 17	159622	Clamp, Adjusting 9	160944	Washer, Felt 26
159441	Guide, Bellcrank 2	159625	Bracket, Bail Guide 3, 4	160948	Screw, 2-56 Spl 11
159447	Bellcrank, #1 and #4 17	159626	Extension, Drive Link 21	160997	Roller 26
159448	Bellcrank, #2 17	159641	Cable w/Terminals 28	160998	Arm 26
159450	Bellcrank, #3 and #5 17	159642	Shim, .008" Thk 13	161100	Spring, Contact 26
159459	Spring 18	159643	Shim, .008" Thk 16	161102	Spring, Contact 26
159460	Link, Toggle 17	159653	Blade, Signal Bell Function 28	161107	Stud 11
159468	Arm, Lock 17	159654	Latch, Printing 21	161108	Stud 9
159470	Shaft, Lock Arm 17	159656	Block Assembly, Punch 10	161109	Post, Guide 11, 12
159471	Bellcrank, LTRS-FIGS 17	159658	Screw, 6-40 x 1-3/32 Hex 14	161139	Nut, 6-40 Hex 11
159472	Plate, Main 2, 5, 14, 17, 18, 24	159659	Shaft, Eccentric 14	161323	Housing, Gear 14
159476	Arm, FIGS 17	159861	Frame, Main 2, 3, 13, 16, 21, 27	161324	Washer, Flat 14
159477	Arm, LTRS 17	159886	Gear, 49T 7	161334	Lever, Stop 27
159480	Bushing, Eccentric 14	159886	Collar 7	161335	Solenoid Assembly 27
159481	Arm, FIGS Extension 17	159900	Plate 9	161336	Bracket 27
159482	Arm, LTRS Extension 17	159901	Plate w/Post 9	161337	Post, Stop 27
159483	Bracket, Spring 17	159902	Shaft, Rake 9	161338	Lever, Trip 27
159487	Plate, Function Box Front 17, 28	159903	Bellcrank 9	161339	Lever, Hand 27
159488	Bracket, Transfer Mounting 18	159909	Pawl, Feed 9	161340	Modification Kit 1, 27
159489	Plate, #1 18	159910	Latch, Return 9	161341	Modification Kit 1, 27
159490	Plate, #4 18	159911	Plate 9	161347	Washer, Felt 17
159491	Plate, #2 18	159912	Gear, Segment 9	161431	Lever, Rotary Correcting 14
159492	Plate, #0 18	159913	Screw, 6-40 Eccentric 9, 25	161440	Spring 16
159493	Plate, #5 18	159916	Eccentric 9	161443	Detent, Axial Shaft 16
159494	Plate, #3 18	159954	Link, Adjusting 23	161444	Detent, Rotary Shaft 13
159495	Beam, #5 Pulse 18	159955	Link, Drive 23	161493	Post, Supporting 24
159496	Beam, #3 Pulse 18	159956	Post 23	161524	Shaft, Hammer 14
159497	Beam, #2 Pulse 18	159957	Link 23, 24	162092	Bail, Tape Guide 11
159498	Lever, #5 Pulse 18	159958	Latch 23	162093	Spring, Torsion 11
159499	Lever, #3, #4 and #5 Transfer 18	159959	Extension 23	162340	Sleeve 7, 8
159500	Beam, #4 Pulse 18	159960	Eccentric 23	162341	Bearing 7
159501	Beam, #1 Pulse 18	159961	Arm, Eccentric 23	162346	Extension, Adjustable 19
159502	Guide, Transfer Lever 18	159962	Ring, Retaining 23	162347	Arm, Ribbon Drive 19
159503	Shaft 17	159963	Hub 23	162350	Bail, Rocker 3
159504	Spacer, .037" Thk 18	159965	Arm, Adjusting 23	162362	Blade, Space Function 28
159506	Post 3	159973	Bracket w/Bushing 23	162363	Stripper 28
159508	Lever, #1 and #2 Transfer 18	159974	Eccentric 23	162364	Bearing 8
159512	Link, Printing Trip 21	159975	Bail, Armature 23	162375	Modification Kit 1, 28
159515	Blade, FIGS Function 17			162466	Shield, Rear End 6
159516	Blade, LTRS Function 17			162467	Shield, Front End 6
				162573	Retainer 8

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
162763	Bail, Reset 12	173338	Modification Kit 8	175712	
162850	Handle 19, 20	173340	Collar 7, 8	thru	
162862	Bar, Mounting 2, 26	173754	Spacer 14	175716	Typewheel 29
162863	Sleeve, Blocking 28	173755	Guide, Ribbon 14	175718	
162886	Screw, 4-40 x 7/32 Hex 17, 28	173756	Lever, Print Hammer 14	thru	
163009	Pinion, 21T 4	173770	Block Assembly, Punch 10	175724	Typewheel 29
163010	Gear, 49T 8	173775	Shaft, Typewheel 14	175727	
163015	Pinion, 28T 2	173965	Typewheel, ARA 29	thru	
163016	Gear, 49T 7	173967	Typewheel, AWA 29	175736	Typewheel 29
163113	Washer, Flat 14	173968	Typewheel, ARJ 29	175739	
163290	Cable Assembly 24	173969	Typewheel, ARS 29	thru	
163327	Ring, Retaining 27	173970	Typewheel, ARE 29	175752	Typewheel 29
163429	Screw, 6-40 Shoulder 21	173971	Typewheel, ARC 29	176138	Modification Kit 14
163675	Typewheel, ARK 29	173977	Shaft, Print Hammer 14	176252	Washer, Flat 3
163676	Typewheel, ARL 29	173978	Spring, Torsion 14	176489	Guide 2, 3, 13
163677	Typewheel, ARM 29	173979	Head, Hammer 14	176490	Bracket w/Hubs 2, 5, 26
163678	Typewheel, ARP 29	173980	Lever, Print Hammer 14	176647	Latch w/Hub 23
163679	Typewheel, ARZ 29	173981	Accelerator, Hammer 14	176658	Motor, 115V. 60 Cycle, AC 6
163680	Typewheel, ART 29	175500		176679	Capacitor, 3.3 MFD 6
163681	Typewheel, ARY 29	thru		176686	Frame 6
163682	Typewheel, ARX 29	175507	Typewheel 29	176687	Bracket, Motor 6
163683	Typewheel, ARW 29	175510		176688	Plate, Mounting 6
163684	Typewheel, ARV 29	thru		176689	Bracket, Mounting 6
163685	Typewheel, AWB 29	175518	Typewheel 29	176747	Gear, 42T 8
163686	Typewheel, AWC 29	175519	Typewheel, AXW 29	176749	Gear, 14T 6
163687	Typewheel, AWD 29	175520		176823	Bushing 6
163688	Typewheel, AWE 29	thru		178178	Lever, Adjusting 20
163689	Typewheel, ARU 29	175529	Typewheel 29	178916	Bellcrank 25
163690	Typewheel, AWF 29	175531		178917	Modification Kit 1, 25
164511	Lever w/Hub 11	thru		178918	Modification Kit 1, 25
164513	Pawl, Feed 12	175539	Typewheel 29	178919	Pawl, Backspace 25
164514	Guide, Tape 9	175543	Typewheel 29	178920	Post, Eccentric 25
164515	Spring, Torsion 11	175544	Typewheel 29	178921	Plate w/Post 25
164521	Plate w/Studs 20	175546	Typewheel, AYX 29	178922	Nut, 6-40 Shoulder 25
164525	Post, Spring 20	175547	Typewheel, AYZ 29	178923	Bellcrank Assembly 25
164526	Slide w/Post 20	175550	Typewheel 29	178924	Shaft 25
164528	Bushing 20	175552		178925	Ratchet, 24T 25
164529	Lever, Ribbon Reverse 20	thru		178926	Screw, 2-56 Spl 25
164530	Bushing 20	175574	Typewheel 29	178927	Clamp, Adjusting 25
164531	Pawl, Check 20	175576	Typewheel 29	178930	Guard 25
164532	Pawl, Feed 20	175577	Typewheel 29	178931	Post 25
164535	Shaft, Right Ribbon Ratchet 20	175578	Typewheel 29	178932	Post, Supporting 25
164538	Shaft, Left Ribbon Ratchet 20	175579	Typewheel 29	179274	Wheel, Feed 11
164539	Spring, Ratchet 20	175581		179573	Nut, 6-40 Hex 12
164540	Detent 20	thru		179579	Decalcomania, Arrow 20
164541	Arm, Ribbon Drive 20	175593	Typewheel 29	192661	Post 3, 4
164543	Lever, Adjustable Extension 20	175595		192709	Link w/Hub 3, 4
164964	Washer, Felt 20	thru		192793	Guard 26
164965	Washer, Flat 20	175634	Typewheel 29	192849	Bar, #2 Push 16
170199	Bracket, Anchor 11	175636		192877	Bushing, Guide 14
170219	Stud, Die Wheel 11	thru		193804	Armature 23
170241	Screw, 6-40 Adjusting 11	175640	Typewheel 29	193821	Bracket w/Post 23
170242	Slide, Feed Hole Punch 9	175642		193822	Clamp 23
170246	Slide w/Insulator 9	thru		193824	Latch w/Hub 23
170247	Guide 9	175653	Typewheel 29	193825	Magnet Assembly, Backspace 23
170778	Block Assembly, Punch 11	175655		193879	Bar, #1 Push 16
170779	Wheel, Feed 11	thru		193966	Bracket w/Stud 22
170788	Wheel, Die 11	175667	Typewheel 29	193968	Post 22
170803	Bail, Retractor 10	175669		193969	Post 22
172638	Screw, 6-40 x 9/32 Hex 9	thru		193972	Extension w/Stud 22
172640	Modification Kit 1, 9	175672	Typewheel 29	193974	Depressor, Tape 22
172983	Bracket, Spring 12	175674		193976	Bail, Rocker 4
172984	Bracket, Spring 10	thru		193987	Bracket, Roller 22
172993	Spring 10	175701	Typewheel 29	194117	Plate, Clamp 22
173200	Sleeve, Bearing 7	175705		194118	Spring, Torsion 22
173203	Sleeve, Bearing 8	thru		194122	Platform w/Guide, Tape 22
173336	Modification Kit 7	175710	Typewheel 29		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
194123	Screw, 4-40 Spl 22	305638	Bracket, Guide 12	307340	
194162	Bail, Reset 12	307300		thru	
194992	Modification Kit 9, 10	thru		307351	Typewheel 29
194993	Guide, Tape 10	307312	Typewheel 29	307353	
195233	Roller 22	307314		thru	
195235	Bail, Rocker 3, 21	thru		307358	Typewheel 29
195284	Ring, "O" 14	307323	Typewheel 29	307360	
199506	Gasket 10	307326		thru	
304543	Plate, Corrector 16	thru		307384	Typewheel 29
		307338	Typewheel 29	320410	Terminal, Spade Type 6, 24, 28