

28 SEQUENCE SELECTOR (LS)
PARTS

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BELL SYSTEM AND TELETYPE CODE-REFERENCE	
Bell System Code	Teletype Code
28A	LS1ADA201
28A-1	LS1ADB201
28A-2	LS1ADC201
28B	LS1ADD201
28D	LS1ADG201
28E	LS1ADH201
28F	LS5ADM

NOTE:
When ordering parts from this section,
prefix each number with the letters TP.

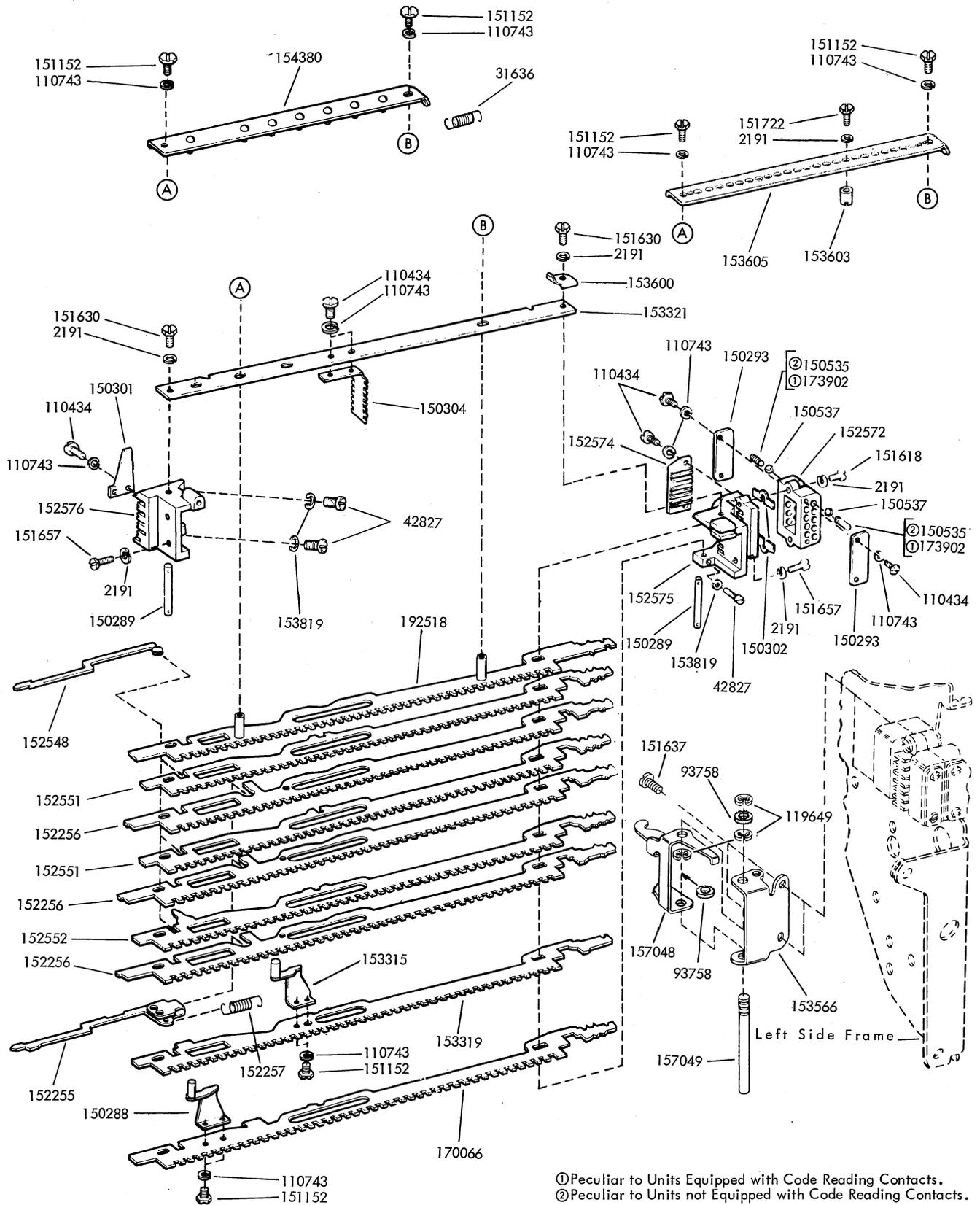


FIGURE 2. CODE BAR MECHANISM

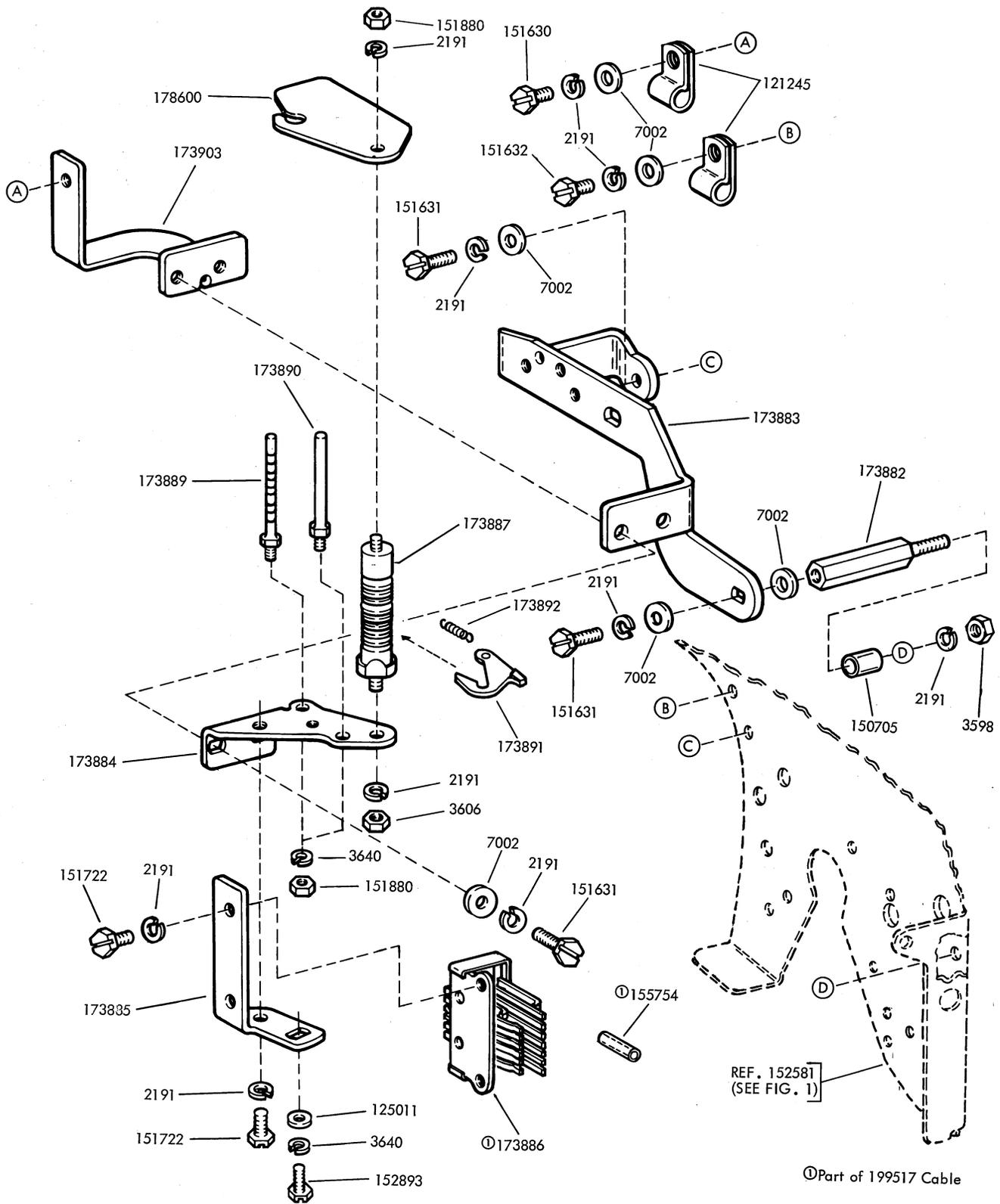
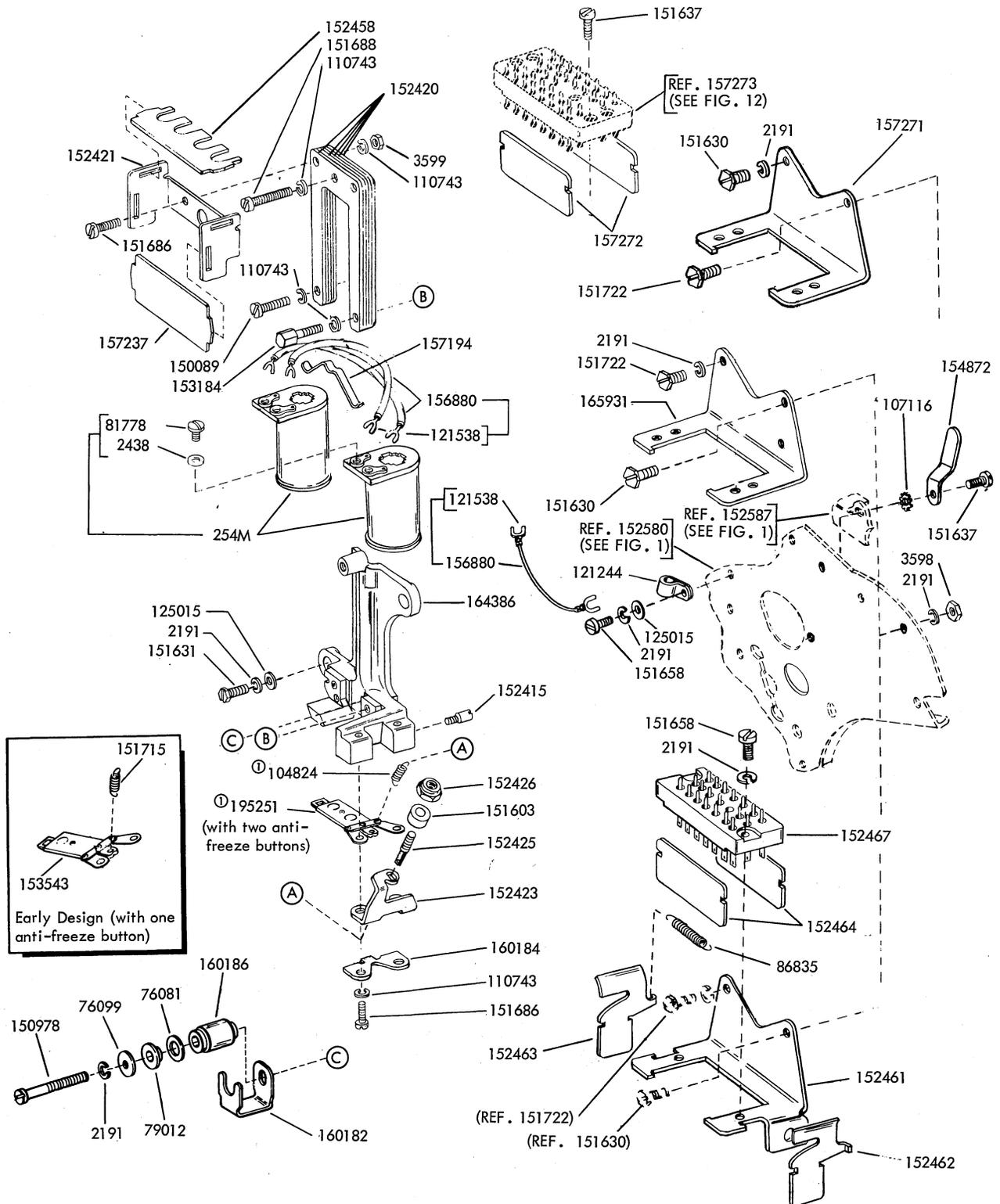


FIGURE 3. CODE READING CONTACTS



① 195634 Modification Kit to provide quick release of the armature

FIGURE 4. SELECTOR MAGNET MECHANISM

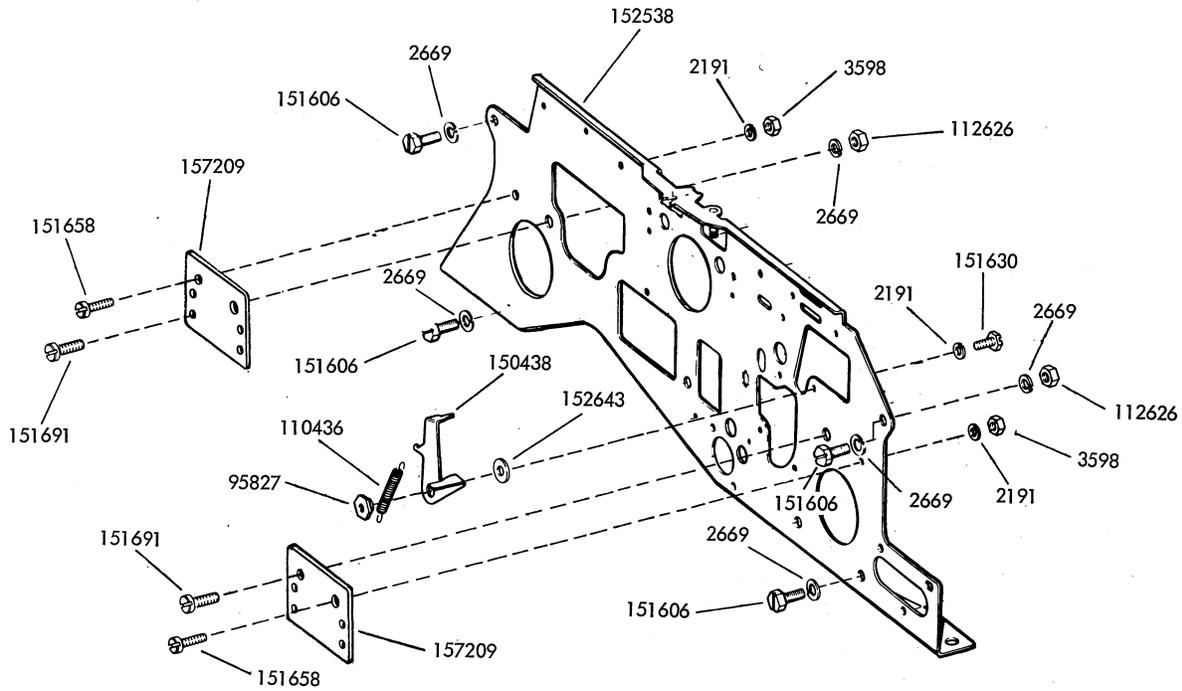


FIGURE 5. FRONT PLATE MECHANISM

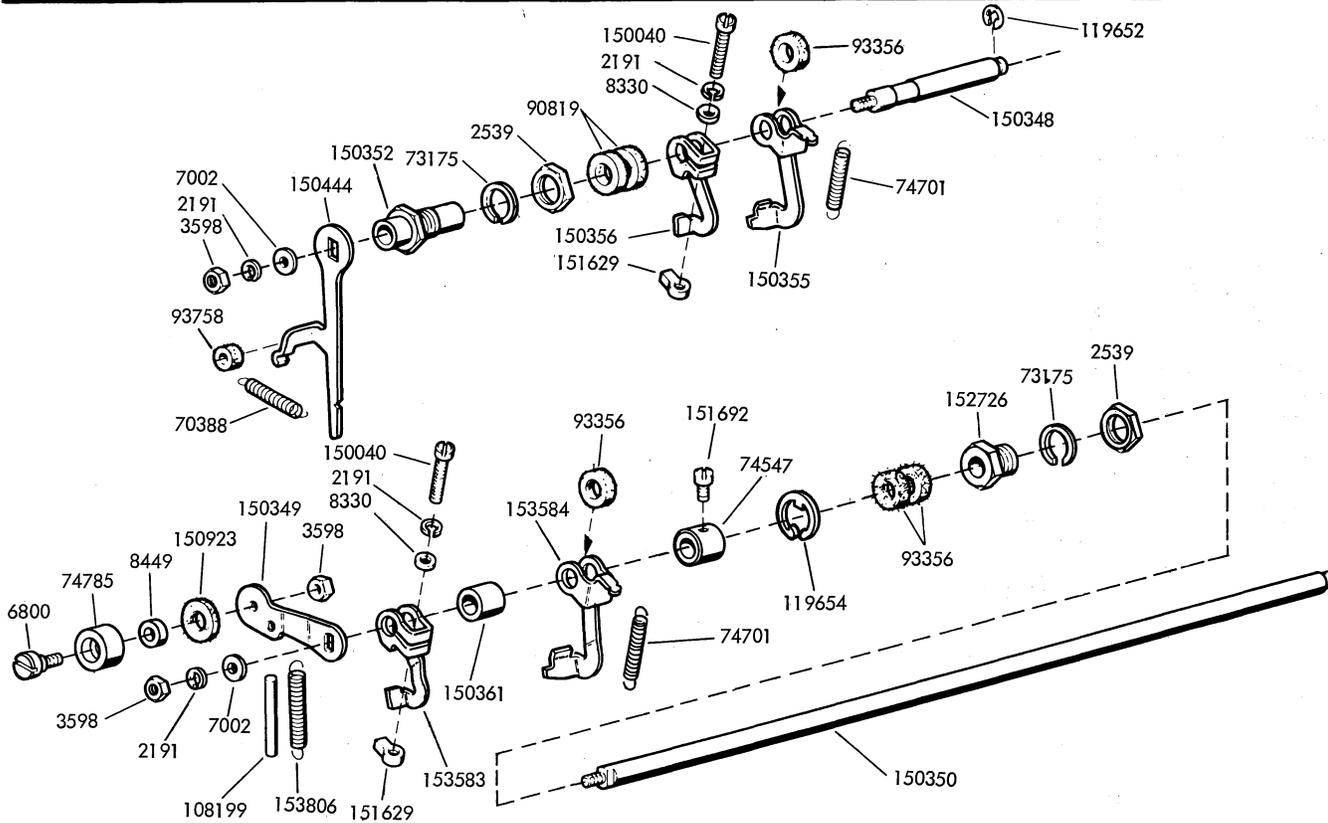


FIGURE 6. CLUTCH TRIP MECHANISM

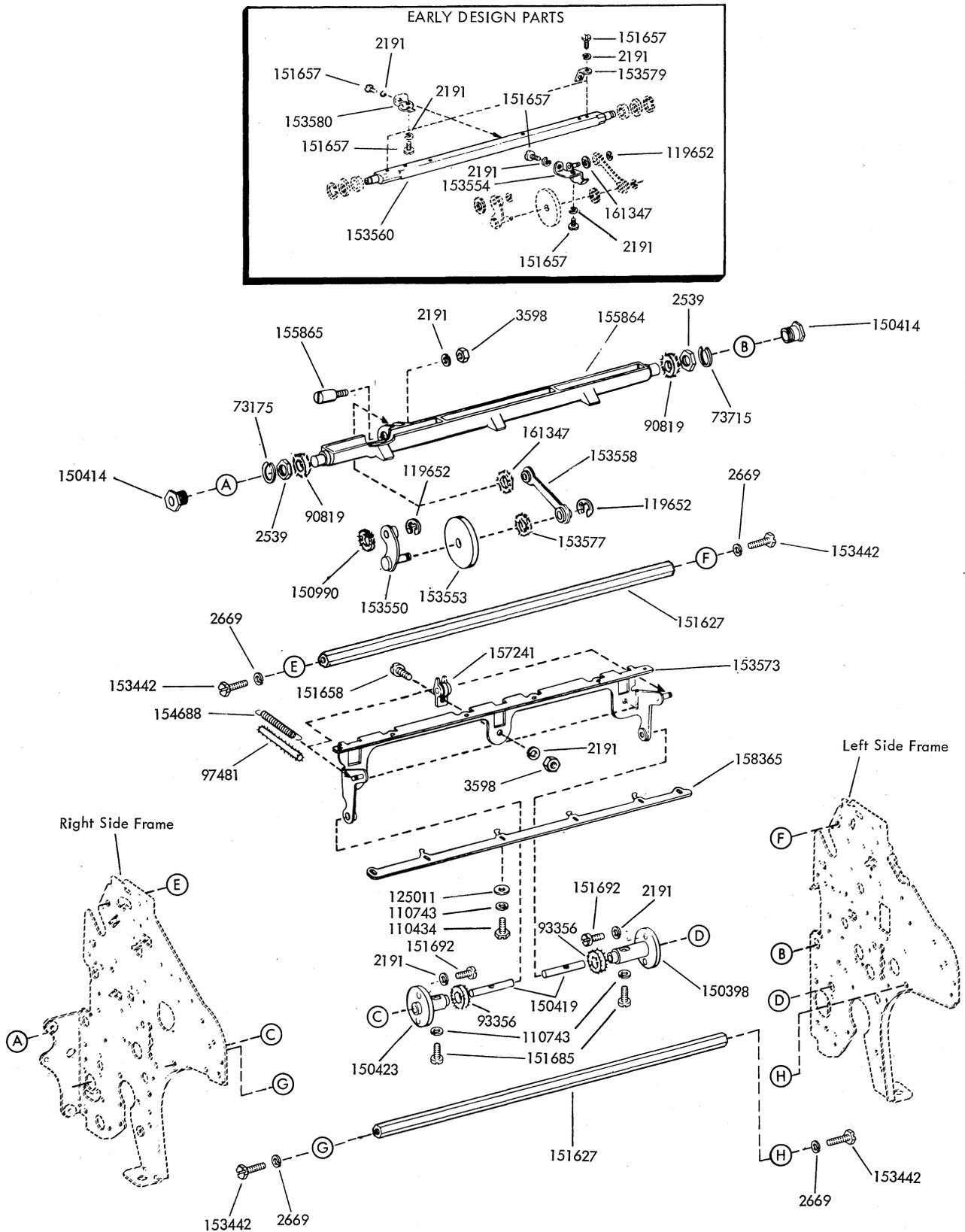


FIGURE 7. RESET BAIL MECHANISM

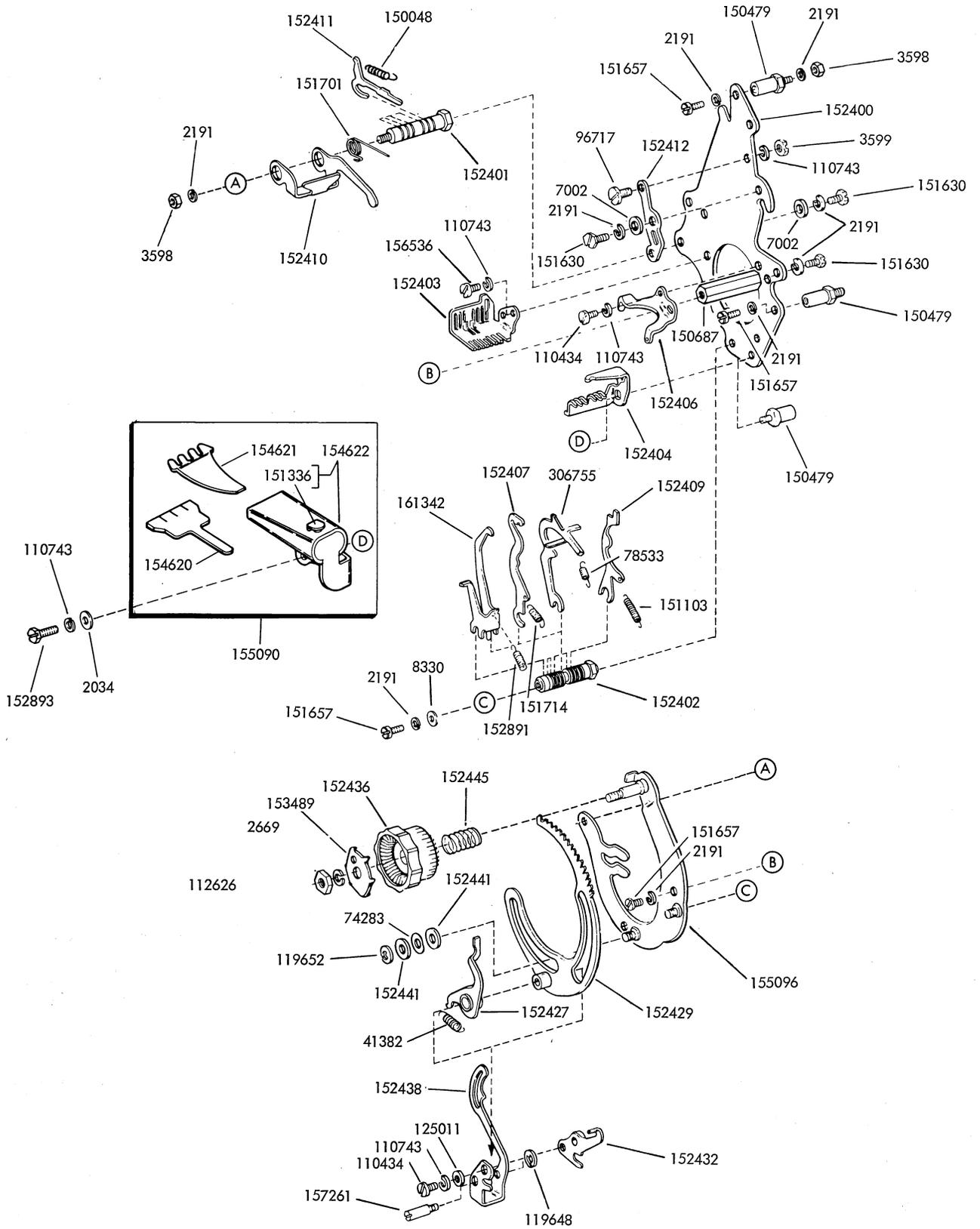


FIGURE 9. SELECTOR MECHANISM

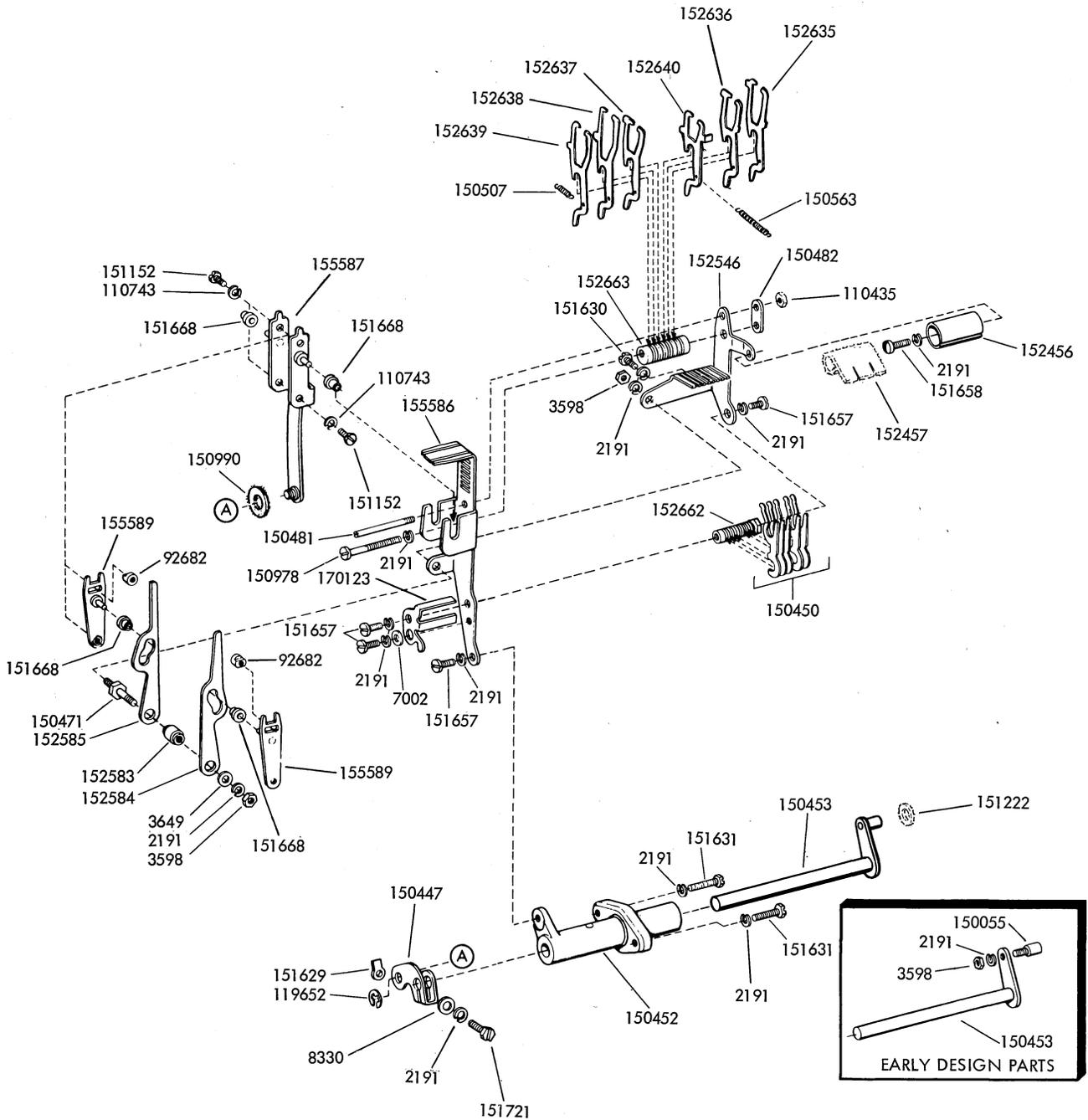


FIGURE 10. CODE BAR POSITIONING MECHANISM

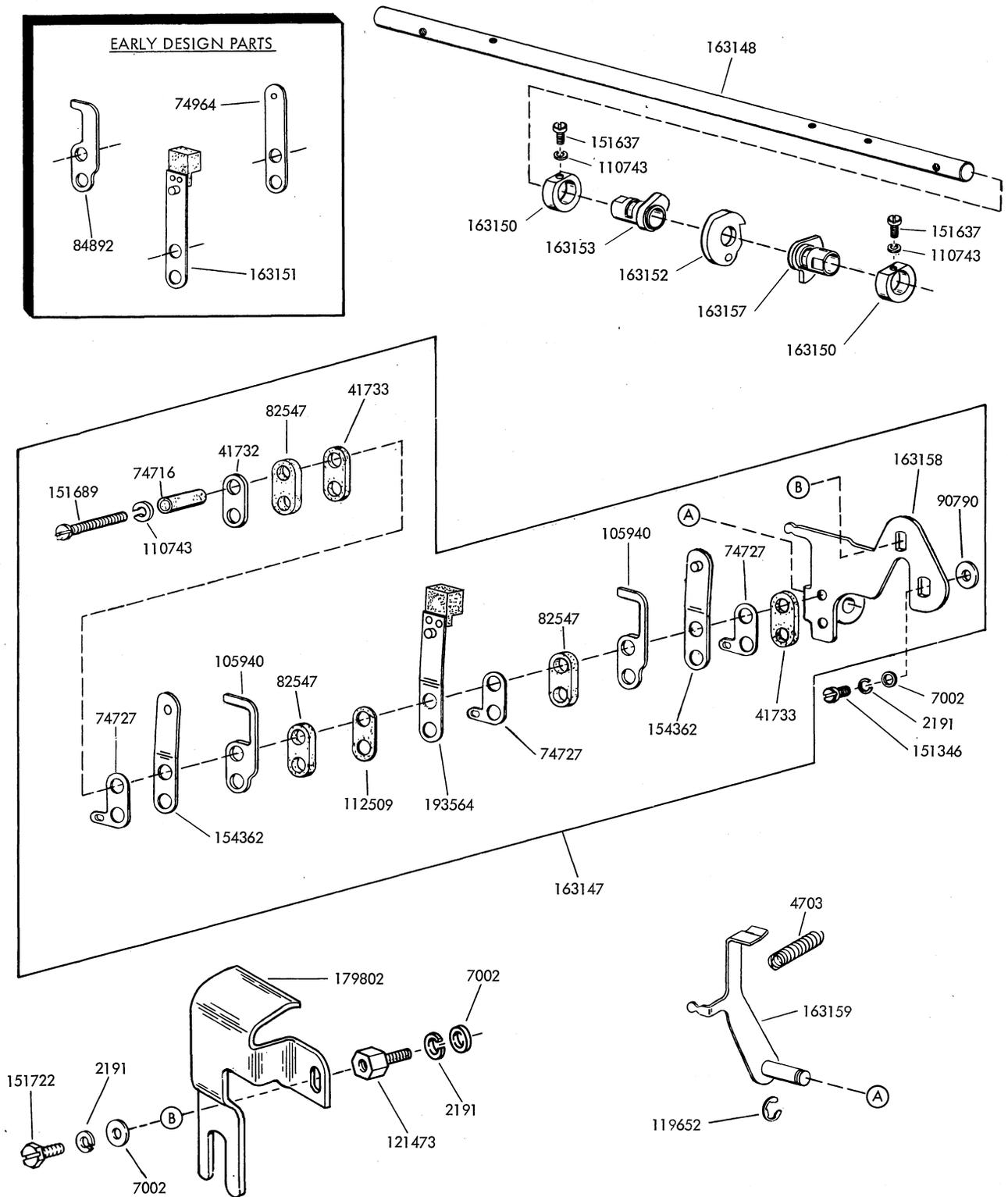


FIGURE 11. 163146 MODIFICATION KIT TO PROVIDE UNIVERSAL CONTACTS

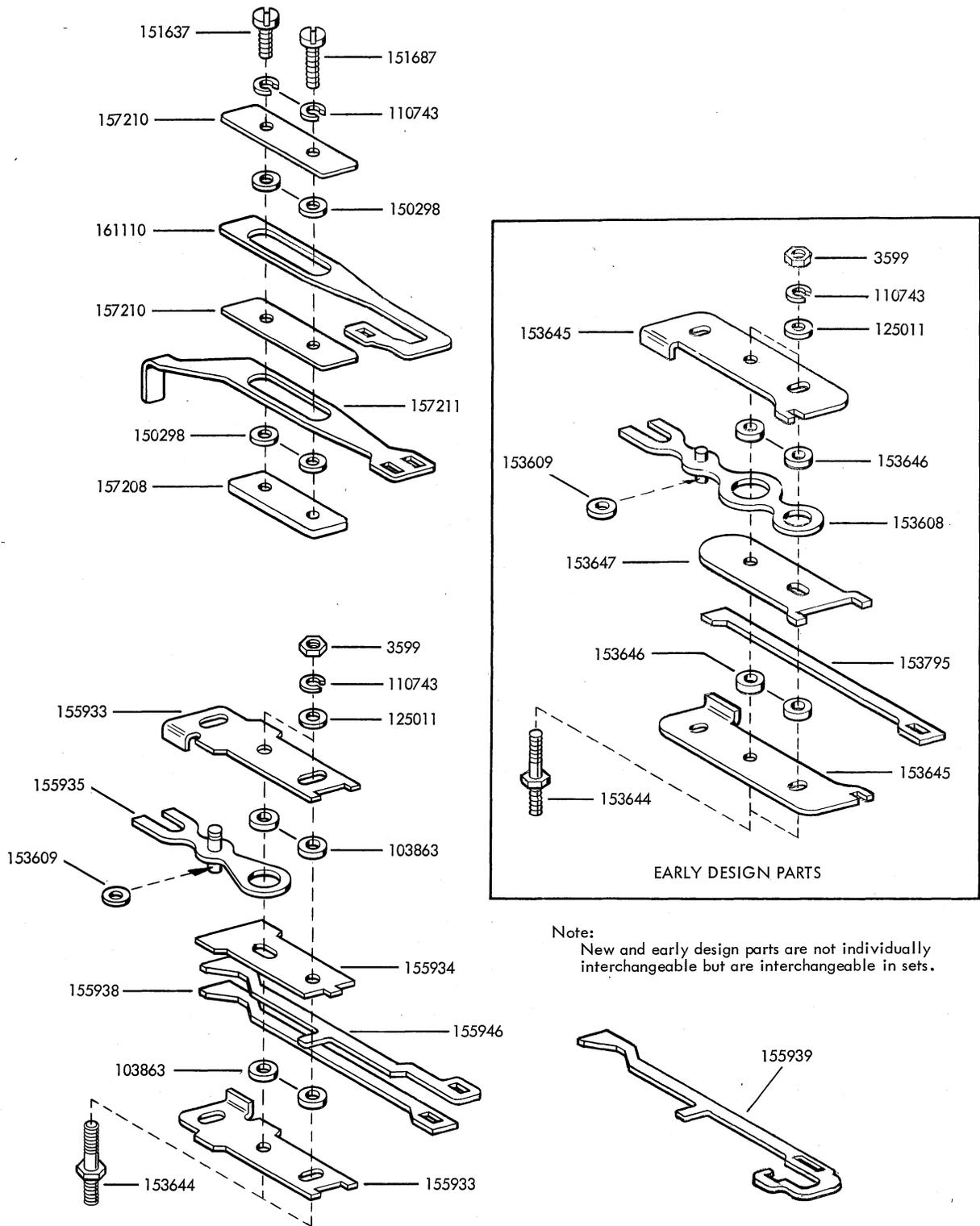


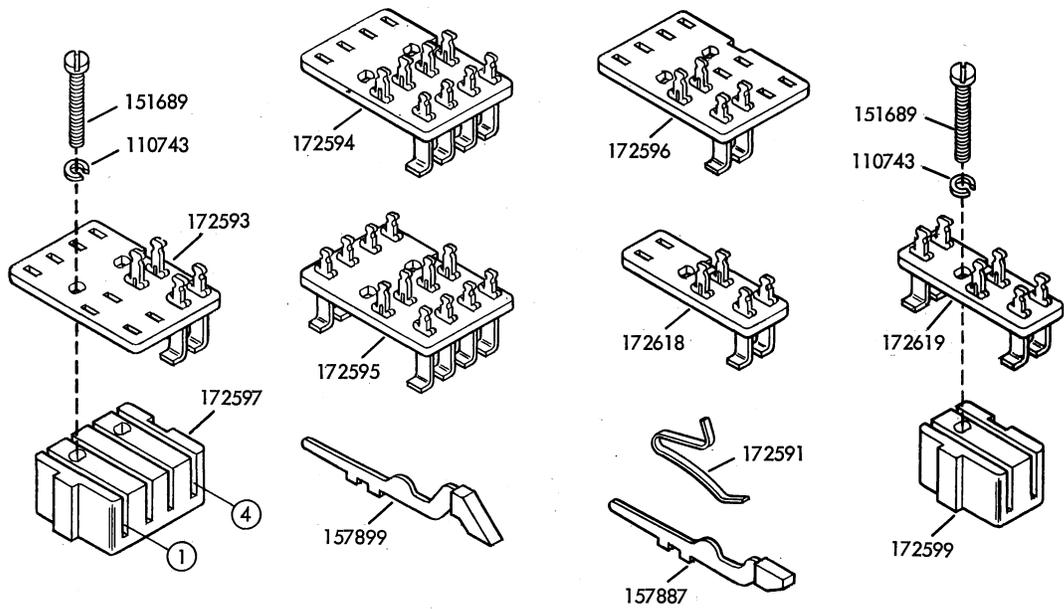
FIGURE 13. STUNT BOX SHIFT SLIDE MECHANISM

STUNT BOX ARRANGEMENTS															
Slot Number	154990 Arrangement "ADA"			154991 Arrangement "ADB"			154992 Arrangement "ADC"			154993 Arrangement "ADD"			173151 Arrangement "ADG"		
	Function Bar	Function Lever	Plate or Latch	Function Bar	Function Lever	Plate or Latch	Function Bar	Function Lever	Plate or Latch	Function Bar	Function Lever	Plate or Latch	Function Bar	Function Lever	Plate or Latch
1															
2															
3															
4										152666	152121	154613			
5										152683	152121	154613			
6										152665	154647	152660			
7										155124	152121	152089			
8										155218	152298	152089			
9	152666	152121	154613	152666	152121	154613	152666	152121	154613				152666	152121	154613
10	152683	152121	154613	152683	152121	154613	152683	152121	154613				152683	152121	154613
11	152665	152299	152660	152665	152299	152660	152665	152299	152660	152666	152121	154613	152665	152299	152660
12	155121	152121	154613							152683	152121	154613			
13	152667	152121	154613	152667	152121	154613	152667	152121	154613	152665	154647	152660	152667	152121	154613
14	152668	152298	152089	152668	152298	152089	152668	152298	152089	152667	152121	154613	152668	152298	152089
15										152668	152298	152089			
16											152121	154613			
17											152298	154613			
18		157207	154613	152667	157207	154613	152667	157207	154613				152121	154613	
19		157206	154613	152668	157206	152660	152668	157206	152660				152298	154613	
20		157207	154613					157207	154613						
21		157206	154613					157206	152089						
22								157207	154613						
23				152666	152642	152660		157206	152089						
24		157207	154613	152665	152642	152660					152121	154613			
25		157206	154613		152642	152660	155311	152642	152660		152298	154613			
26	152666	152121	154613	152666	152121	154613	152666	152121	154613		152121	154613	152666	152121	154613
27	152683	157207	154613	152683	157207	154613	152683	157207	154613		152298	154613	152683	157207	154613
28	152665	157205	152660	152665	157205	152660	152665	157205	152660				152665	157205	152660
29															
30															
31															
32		152298	152089												
33	155121	152299	152660		152642	152660	155114	152642	154660						
34		152298	152089												
35	152669	152121	154613					152669	152121	154613	155218	154647	152660		
36	152669	152642	152660	155129	152642	152660	152669	152642	152660	155313	154646	154613			
37										152669	152121	154613			
38	155311	152642	152660	155110	152642	152660	155121	152642	152660	152669	152642	154613			
39										155121	152642	152660			
40	155311	152298	152089	155311	152298	152089	155311	152298	152089	155311	152298	152089	155311	152298	152089
41	155124	152298	154613	155124	152298	154613	155124	152298	154613	155124	152298	154613	155124	152298	154613
42	155117	152298	154613	155117	152298	154613	155117	152298	154613	155117	152298	154613	155117	152298	154613

FIGURE 14. STUNT BOX ARRANGEMENTS

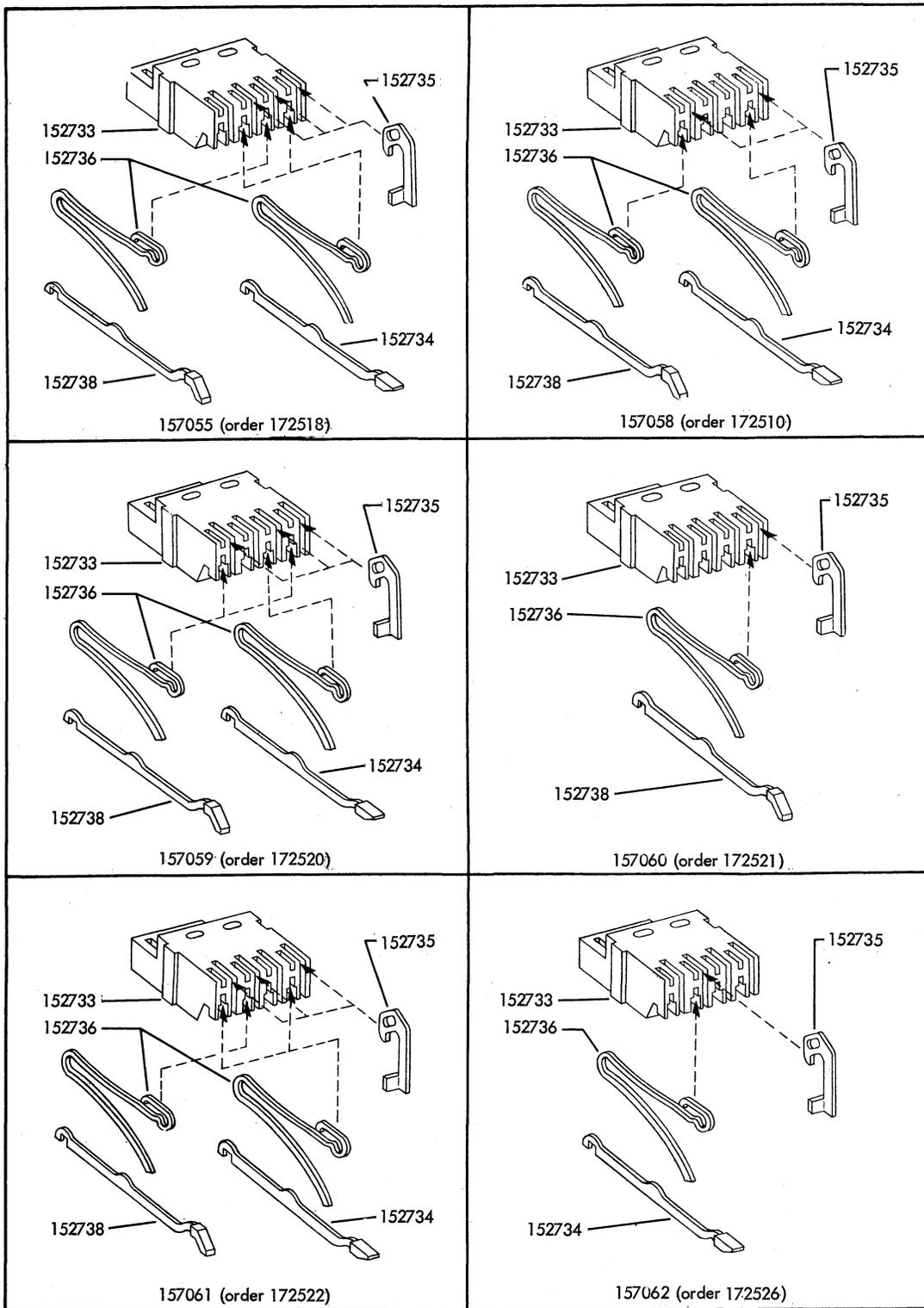
STUNT BOX ARRANGEMENTS (Continued)												
154994 Arrangement "ADH"			179146 Arrangements "ADL"			199514 Arrangements "ADM"			305693 Arrangement "ADN"			Slot Number
Function Bar	Function Lever	Plate or Latch	Function Bar	Function Lever	Plate or Latch	Function Bar	Function Lever	Plate or Latch	Function Bar	Function Lever	Plate or Latch	
				152642	152660					152642	152660	1
			152666	152641	152660				152666	152641	152660	2
			152665	152641	152660	155121	152298	154613	152665	152641	152660	3
152666	152121	154613				152666	152121	154613				4
152683	152121	154613				152683	152121	154613				5
152665	154647	152660				152665	154647	152660				6
155124	152121	152089				155124	152121	152089				7
155218	152298	152089				155218	152298	152089				8
						152667	152642	152660				9
							152121	152089				10
152666	152121	154613					152121	154613		152121	154613	11
152683	152121	154613					152298	154613		152121	154613	12
152665	154647	152660								152121	154613	13
152667	152121	154613				152667	152121	154613		152642	152660	14
155218	152298	152089				152668	152298	152089		152121	154613	15
	152121	154613					152121	154613		152121	154613	16
	152298	154613				155112	152121	154613		152121	154613	17
	152121	154613				155121	152298	152089		152642	152660	18
	152298	154613					152121	154613		152121	154613	19
						155112	152121	154613		152121	154613	20
						155121	152298	152089		152121	154613	21
							152121	154613		152642	152660	22
						155124	152298	154613		152121	154613	23
	152121	154613					152121	154613		152121	154613	24
	152298	154613				155124	152298	154613		152121	154613	25
	152121	154613					152121	154613		152642	152660	26
	152298	154613					152298	154613				27
							152121	154613				28
								154613				29
							152121	154613				30
							152298	154613				31
						152666	152121	154613				32
155218	152642	152660				152683	152121	154613				33
155313	152121	154613				152665	154647	152660				34
	152298	152089				155313	162484	154613				35
155218	154647	152660				155218	163944	152660				36
152669	152121	154613				152669	152121	154613				37
152669	152642	152660				152669	152642	152660				38
155121	152642	152660										39
155311	152298	152089	155311	152298	152089	155311	152298	152089	155311	152298	152089	40
155124	152298	154613	155124	152298	154613	155124	152298	154613	155124	152298	154613	41
155117	152298	154613	155117	152298	154613	155117	152298	154613	155117	152298	154613	42

FIGURE 15. STUNT BOX ARRANGEMENTS (Continued)



SWITCH ASSEMBLY	CONTACT PLATE ASSEMBLY	CONTACT ARM POSITION				SWITCH ASSEMBLY	CONTACT PLATE ASSEMBLY	CONTACT ARM POSITION			
		1	2	3	4			1	2	3	4
172502	172593				157887	172544	172595		157899		157887
172510	172594	157899		157899	157887	172545	172595	157899		157899	
172518	172594		157887	157899	157887	172549	172595				157887
172520	172594	157899		157887	157899	172550	172593	157899			157899
172521	172593				157899	172553	172595		157887	157899	
172522	172594	157887	157899		157887	172573	172595	157899	157899	157899	157887
172524	172594	157887			157887	172574	172595	157899		157899	157887
172526	172596		157887			172577	172595	157899	157899	157899	
172527	172595			157887		172579	172595		157899	157887	
172529	172595			157887	157887	172581	172595		157899		157899
172534	172594		157899	157887		172587	172595			157899	
172535	172594			157899	157887	172603	172619	157887			
172536	172594	157899	157887	157899							

FIGURE 16. NEW STYLE STUNT BOX SWITCH ASSEMBLIES

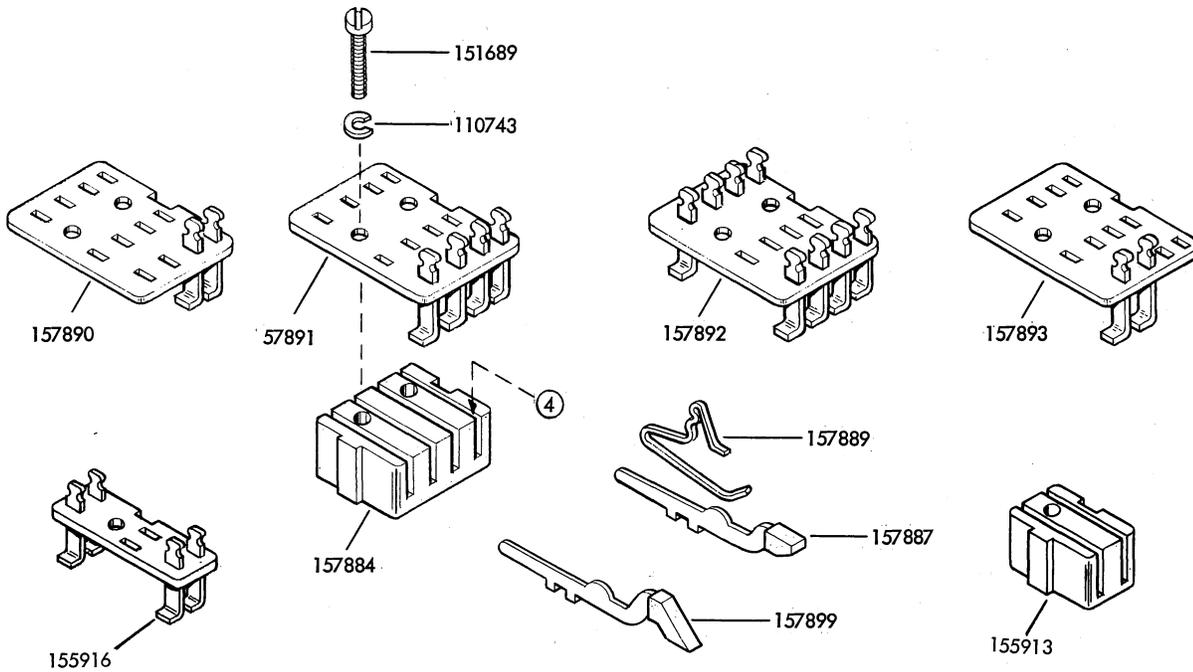


Note:

These Assemblies are no longer available.

New and early design parts are not individually interchangeable but the switch assemblies are interchangeable.

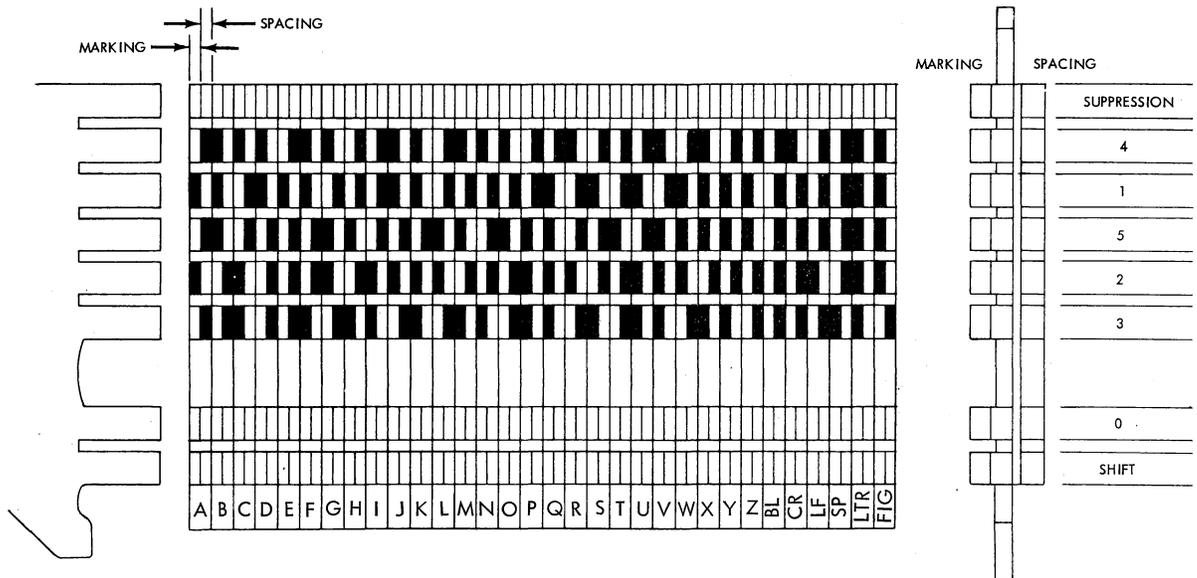
FIGURE 17. EARLY DESIGN STUNT BOX SWITCH ASSEMBLIES



SWITCH ASSEMBLY PART NO.	CONTACT PLATE ASSEMBLY NO.	CONTACT ARM POSITION			
		1	2	3	4
157080	157891	157899		157899	157887
157088	157891		157887	157899	157887
157090	157891	157899		157887	157899
157091	157890				157899
157092	157891	157887	157899		157887
157094	157891	157887			157887
157096	157893		157887		
160195	157891		157899	157887	
160196	157891			157899	157887
160197	157891	157899	157887	157899	
160205	157892	157887			157899
160206	157892		157899		157899
160207	157892		157887		157899
160208	157892		157887	157899	157887
160209	157893			157899	

Note:
 Early design switch assemblies are no longer available. However, individual parts are available for replacement. Orders received for early design switch assemblies will be filled with corresponding new style switch assemblies shown in Figure 17.

FIGURE 18. REPLACEMENT PARTS FOR EARLY DESIGN STUNT BOX SWITCH ASSEMBLIES

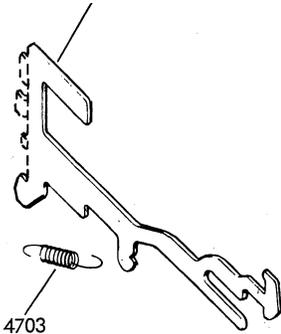


BLANK SQUARES INDICATE TINES THAT SHOULD BE REMOVED.

ADDITIONAL LEVELS AT WHICH THE FUNCTION BAR CAN BE CONTROLLED:

SUPPRESSION TINES	MARKING SPACING	NON-PRINT PRINT	} THESE TERMS APPLY ONLY TO SELECTIVE CALLING
0 TINES	MARKING SPACING	SELECT NON-SELECT	
SHIFT TINES	MARKING SPACING	UPPER CASE LOWER CASE	

CODED FUNCTION BAR
(Also see charts on
pages 14, 15, 20 and 21)



152665 LTR	155117 R
152666 FIG	155121 V
152667 CR	155124 Y
152668 LF	155129 SP
152669 BL	155218 M & V
152683 H	155311 UNIVERSAL
155110 K	155313 LTR
155114 O	

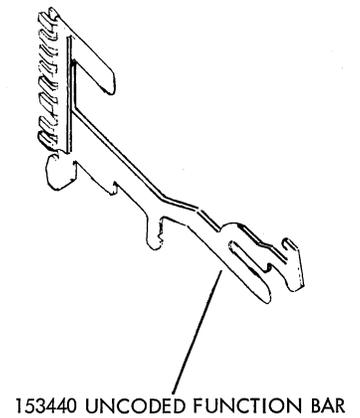


FIGURE 19. CODED AND UNCODED FUNCTION BARS

FIGURE 20. FUNCTION BAR CONDITION CHART FOR 5 LEVEL BAUDOT CODE

CONDITION OF TYPING UNIT FOR FUNCTION BAR SELECTION		NO RESTRICTIONS	UPPER CASE	LOWER CASE	SELECT	NON-SELECT	PRINT	NON-PRINT	CONDITION OF TYPING UNIT FOR FUNCTION BAR SELECTION
CHARACTER OR FUNCTION 153440 UNCODED FUNCTION BAR IS AVAILABLE FOR USE ON ANY CHARACTER OR FUNCTION BY REMOVING TINES	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	155326	155105	153414	155196	155286	F
	G	152682	153162	155327	155106	153415	155197	155287	G
	H	152683	152673	155328	155107	153416	155198	155288	H
	I	152684	155249	155329	155108	153417	155199	155289	I
	J	152685	152694	155330	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	155336	155115	153424	155206	155296	P
	Q	152692	153165	155337	155116	153425	155207	155297	Q
	R	152695	153167	155338	155117	153426	155208	155298	R
	S	152696	152672	155339	155118	153427	155209	155299	S
	T	152697	153524	153169	155119	153428	155210	155300	T
	U	152698	155248	155340	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	152669	152693	152675	155312		155217	155307	BLANK
	LETTERS	152665			155313		153438		LETTERS
	FIGURES	152666							FIGURES
	SPACE	155129			155314	152670			SPACE
	CARRIAGE-RETURN	152667			155128		155127		CARRIAGE-RETURN
	LINE FEED	152668			155315		153435	155130	LINE FEED
	ANY CHARACTER OR FUNCTION	152704	153168		155311	152671			ANY CHARACTER OR FUNCTION
	M & N				155132				M & N
	M & V				155218				M & V
	PULSE #1						162636		PULSE #1
	" #2						162637		" 2
	" #3						162638		" 3
	" #4						162639		" 4
	" #5						162640		" 5
	UNIV.						155159	155219	UNIV.
POSITION OF FUNCTION BAR TINES	SUPPRESSION LEVEL ZERO LEVEL SHIFT LEVEL		MARKING	SPACING	MARKING	SPACING	MARKING	MARKING	SUPPRESSION LEVEL ZERO LEVEL SHIFT LEVEL

FIGURE 21. FUNCTION BAR CONDITION CHART FOR 5 LEVEL BAUDOT CODE (Continued)

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
CHARACTER OR FUNCTION	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		153437			155179		155369	S
	T					155180		155370	T
	U								U
	V								V
	W								W
	X								X
	Y								Y
	Z		155134				155246		Z
	BLANK					155247		BLANK	
	LETTERS							LETTERS	
	FIGURES							FIGURES	
	SPACE							SPACE	
	CARRIAGE-RETURN							CARRIAGE-RETURN	
	LINE FEED							LINE FEED	
	ANY CHARACTER OR FUNCTION	153436		155126				ANY CHARACTER OR FUNCTION	
	M & N							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	SUPPRESSION LEVEL ZERO LEVEL SHIFT LEVEL	SPACING SPACING	SPACING MARKING	SPACING MARKING	MARKING SPACING	SPACING SPACING	MARKING MARKING	SPACING SPACING	SUPPRESSION LEVEL ZERO LEVEL SHIFT LEVEL

MODIFICATION KITS FOR STUNT BOX CONVERSION

Kit Number	Part Number		Quantity	Figure Number
159387		Modification Kit to Convert "ADA" Stunt Box to "ADB"		
	151739ADB	Screw, 6-40 x 3/16 Hex (Stamped ADB)	1	12
	152642	Lever	4	12
	152660	Plate, LTRS Function	4	12
	152665	Bar, FIGS Function	1	14, 15
	152666	Bar, Function (Uncoded)	1	14, 15
	153440	Bar, K Function	4	12
	155110	Bar, K Function	1	15
	155129	Bar, SP Function	1	15
159388		Modification Kit: To Convert "ADA" Stunt Box to "ADC"		
	151739ADC	Screw, 6-40 x 3/16 Hex (Stamped ADC)	1	12
	152642	Lever	2	12
	152660	Plate, Spring	2	12
	153440	Bar, Function (Uncoded)	7	12
	155114	Bar, O Function	1	15

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
254M	Coil, Magnet 5	112509	Insulator (.031") 11	150545	Bracket, Right 2
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74283	Washer, Spring 9	150050	Spacer, Clutch 8	151640	Lever, Shoe Release 8
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