

BULLETIN 1184B

33 PAGE PRINTER SET

(ASR, KSR AND RO)

PARTS

CH. 18 11/77



TELETYPE[®]
CORPORATION

5555 TOUHY AVENUE, SKOKIE, ILLINOIS

TABLE OF CONTENTS

SECTION	TITLE	ISSUE	DATE
574-121-800TC	33 Keyboard (UK)	*8	November 1977
574-122-800TC	33 Typing Unit (UP)	*11	November 1977
574-123-800TC	33 Call Control Unit (UCC)	*10	November 1977
574-124-800TC	33 Reader (UX)	*7	November 1977
574-125-800TC	33 Tape Punch (UPE)	*7	November 1977
574-126-800TC	33 Cover and Table	*9	November 1977

*Indicates revised sections

33 KEYBOARD (UK)

PARTS

FIGURE	CONTENTS	PAGE
1	Keyboard Basket and Contact Block	2
2	186752 Modification Kit to Provide Locking for Keyboard (Early Design)	3
3	186752 Modification Kit to Provide Locking for Keyboard (Later Design)	3
4	Keyboard Covers	4
5	Keytops	5
6	Keylevers	6
7	Codebar Mechanism	7
8	Codebar Mechanism for Units Equipped with Even Parity	8
9	Codebar Mechanism for Numeric Keyboard	9
10	Reset Mechanism for Self-Contained and Solenoid Reset Keyboards	10
11	Reset Mechanism for Even Parity Keyboard	11
12	Cover for Self-Contained and Solenoid Reset Keyboards	12
13	Cable Components	13
14	185801 Modification Kit to Provide Locking for Keyboard	14
	Numerical Index	15

** Denotes a Painted Part
HF — Light Olive Gray Smooth Vinyl

NOTE: Refer to Section 574-020-800
for Additional 33 Keytop Descriptions.

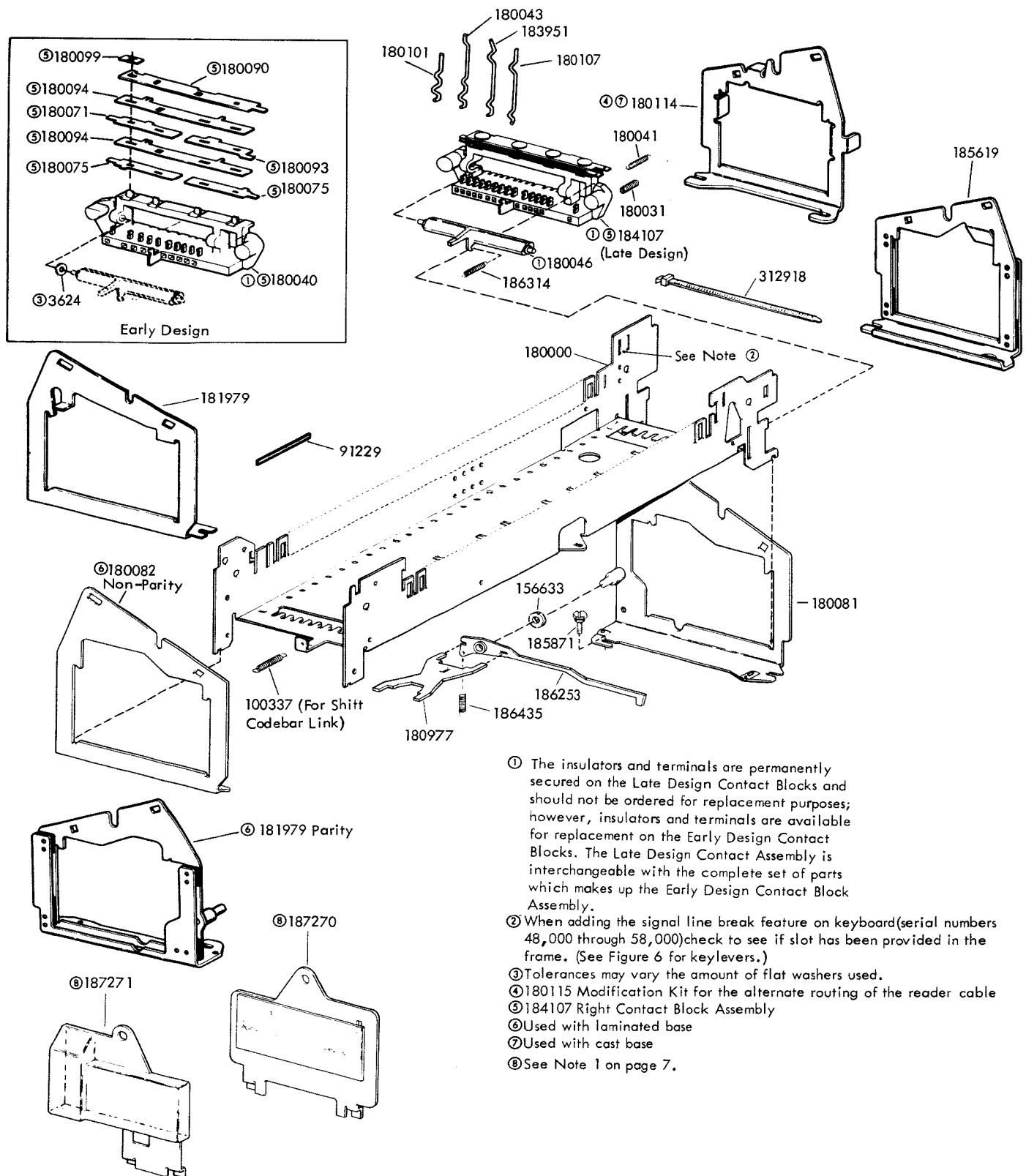


Fig. 1 - Keyboard Basket and Contact Block

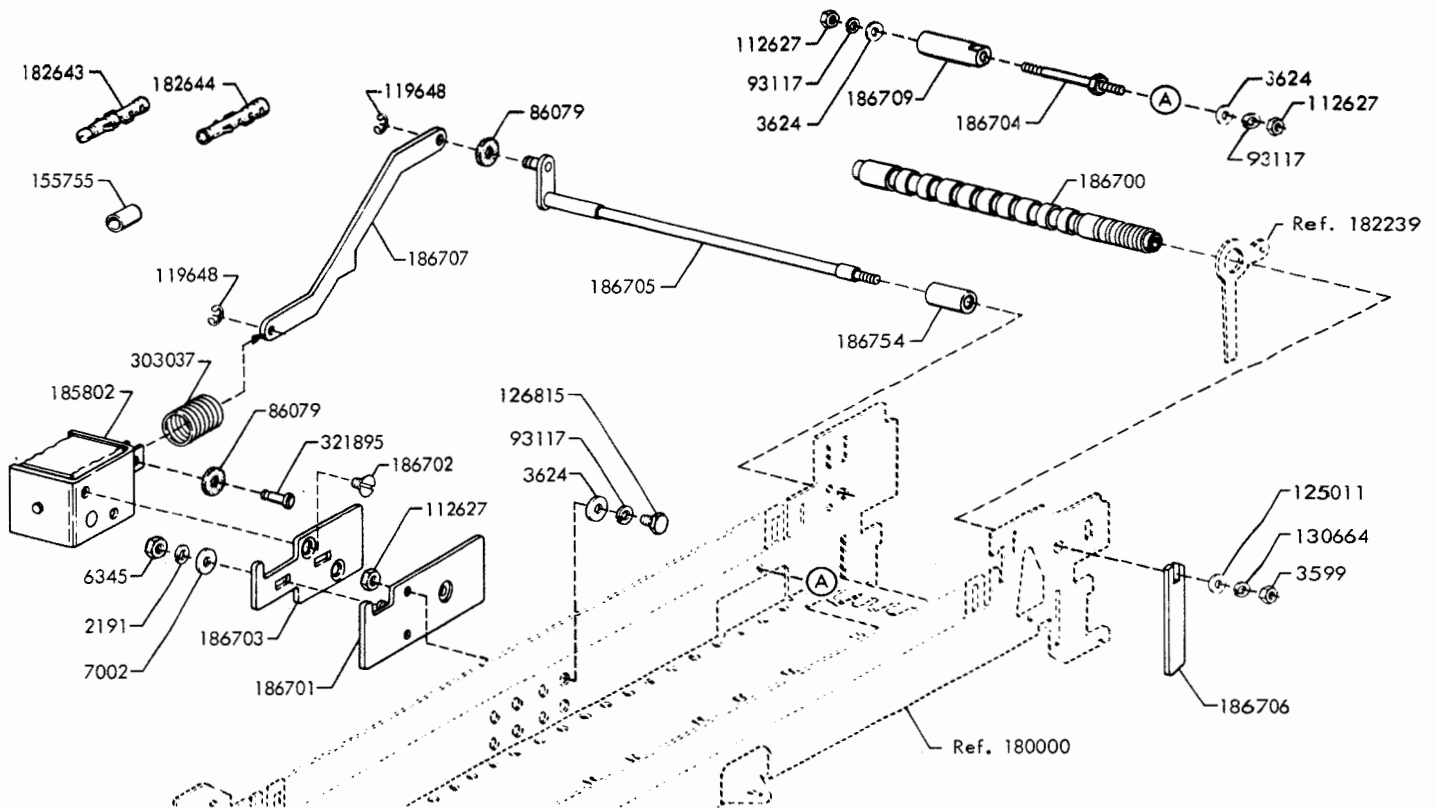


Fig. 2 - 186752 Modification Kit To Provide Locking For Keyboard
(Early Design)

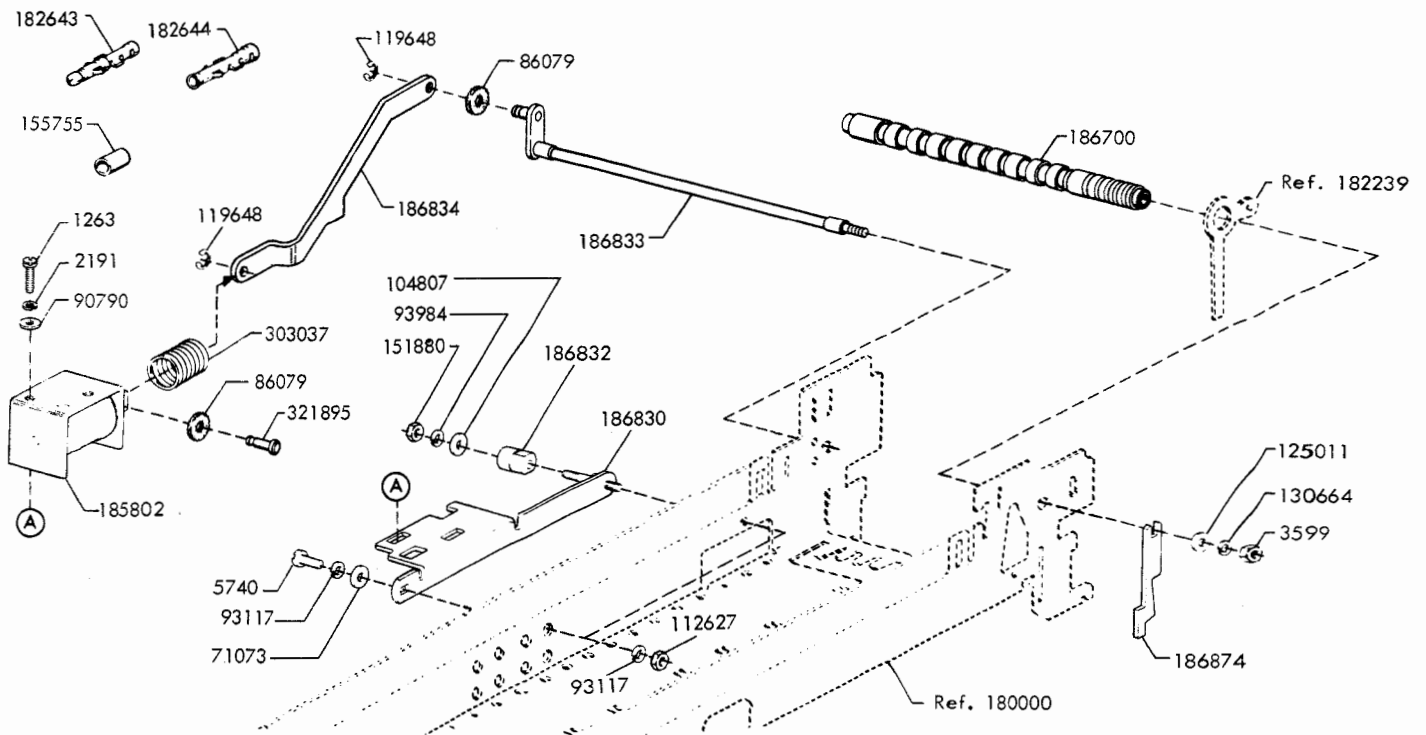


Fig. 3 - 186752 Modification Kit To Provide Locking For Keyboard
(Later Design)

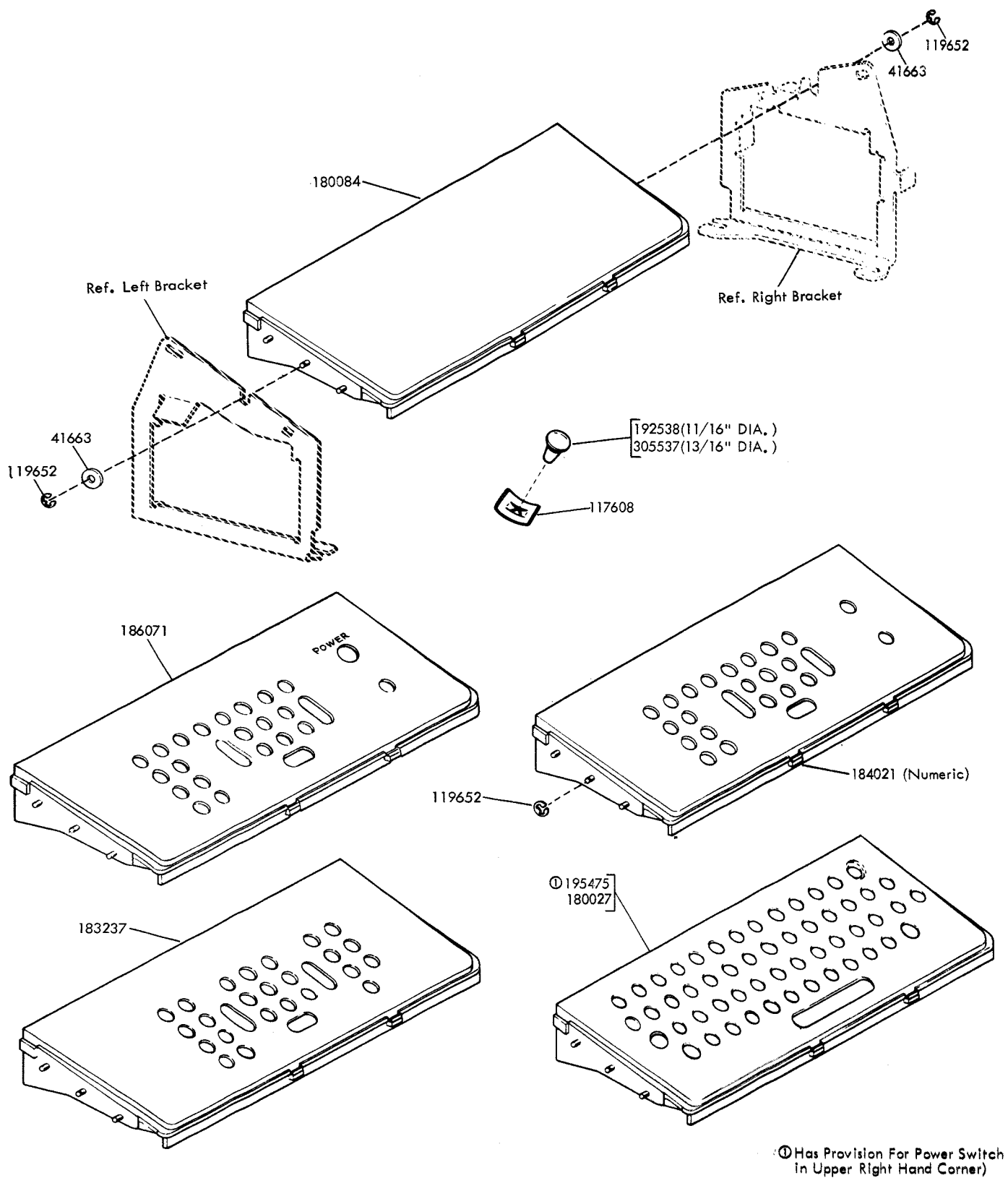
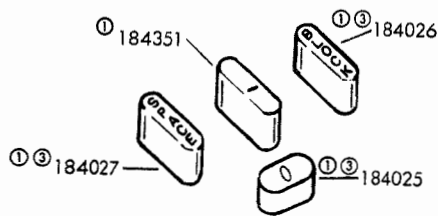
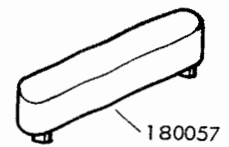


Fig. 4 - Keyboard Covers



Typical
Keytop



Keytop Description			Keytop Description			Keytop Description		
UNSHIFT	SHIFT	Part Number	UNSHIFT	SHIFT	Part Number	UNSHIFT	SHIFT	Part Number
A		180181	P	@	180180	8		①③ 184341
A	SOM	*183891	Q		180171	9	)	180168
A		①③ 184343	Q	X ON	*183888	9		①③ 184342
B		180194	Q	X-ON	184869	0		180169
B		①③ 184344	Q	RLF	185160			
C		180192	R	TAPE	180174	∅		180374
C		①③ 184345	R		180260	-	=	180170
C	ETX	185165	R	FS	185161	,	<	180197
D	EOT	180193	S		180282	.	>	180198
D		180278	S	X OFF	180182	;	+	180199
D		①③ 184346	S	X OFF	*183892	/	?	180200
E	WRU	180173	S		③ 185374	:	*	180205
E		180259	T	TAPE	180175	(No Symbol)		① 180297
E	WRU	*183889	T		180261	-		180336
F	RU	180184	T	PR	185162		*	180335
F		180273	T		③ 185395		,	180418
			U		180177		.	180419
						/	■	184895
G	BELL	180185	V		180193	RUB OUT		①③ 180201
G		180274	W		180172	RETURN		①③ 180202
G	BELL	*183890	X		180191	LINE FEED		①③ 180203
H		180186	X		③ 185376	HERE IS		180206
H	BS	185163	Y		180176	BREAK		180207
I	TAB	180178	Z		180190	REPT		①③ 180208
I		180262	1	!	180160	ALT MODE		180257
J		180187	1		①③ 184334	ESC		180382
K	VT	180188	1		180264	EOT		①③ 180440
K		180280	2	"	180161	DIV		① 180441
K		180383	2		①③ 184335	STORE		① 180442
K	I	185090	3	#	180162	TYPE ORD		① 180443
L	FORM	180189	3		①③ 184336	SECT		① 180444
L		180281	4	\$	180163	SHIFT		180061
L	\	180385	4		①③ 184337	CTRL		181253
L	FORM	185164	5	%	180164	CTRL		② 181971
M		180196	5		①③ 184338	FS		① 184815
M	□	180384	6	&	180165	GS		① 184816
M	I	185093	6		①③ 184339	RS		① 184817
N	↑	180195	7	'	180166	US		① 184818
N	BLK	185092	7		①③ 184340	CLR KYBD		184734
N	↖	185150	8	(	180167	CTRL		185159
O	↗	180179				TAB		180373
O	↘	185089						

NOTE:

All Keytops are gray with white characters except as noted.

*Gray Keytops with yellow characters.

① Used on Numeric Keyboard.

② Used with parity control.

③ Used on Numeric Self-Contained Keyboard

Fig. 5 - Keytops

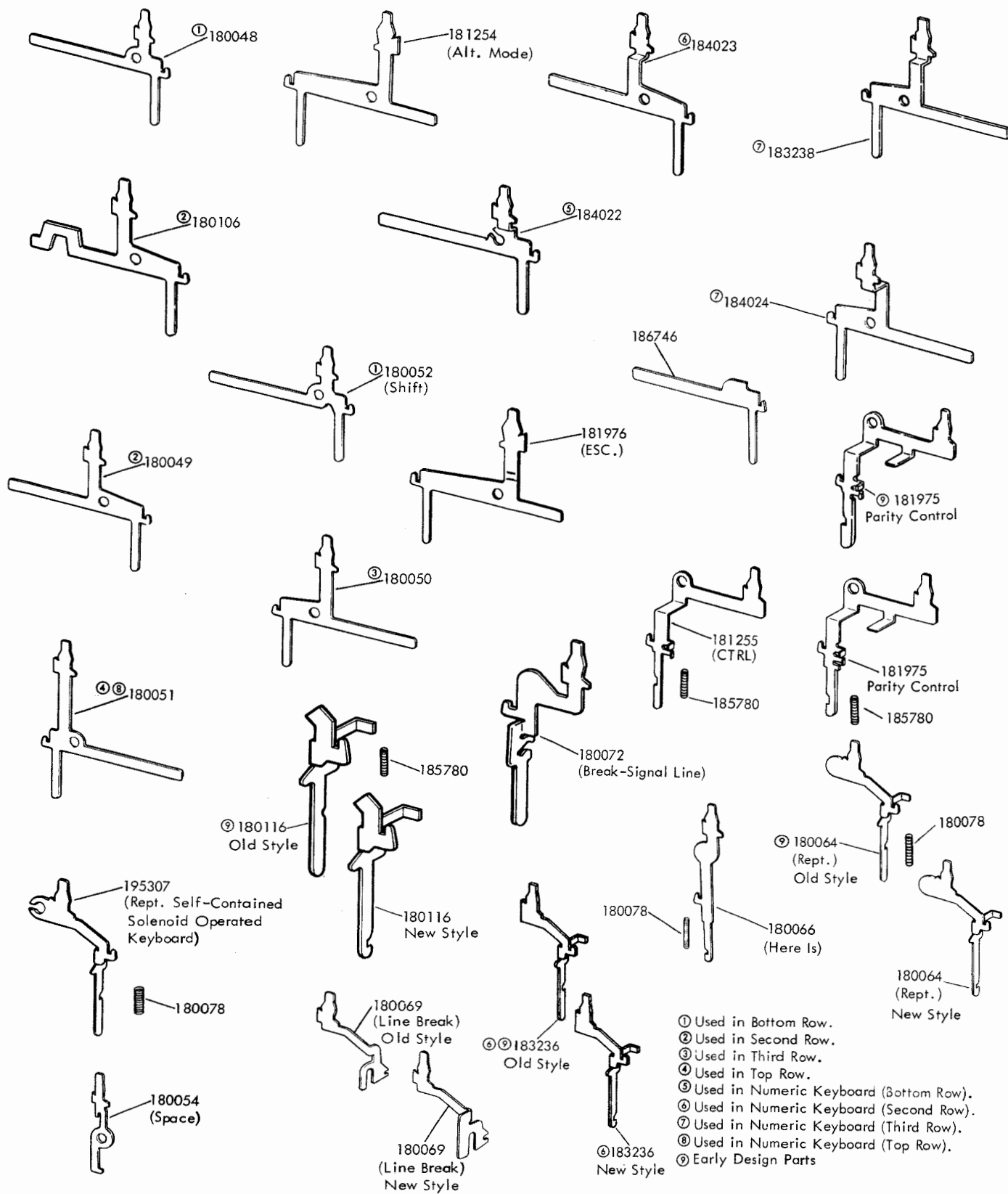


Fig. 6 - Keylevers

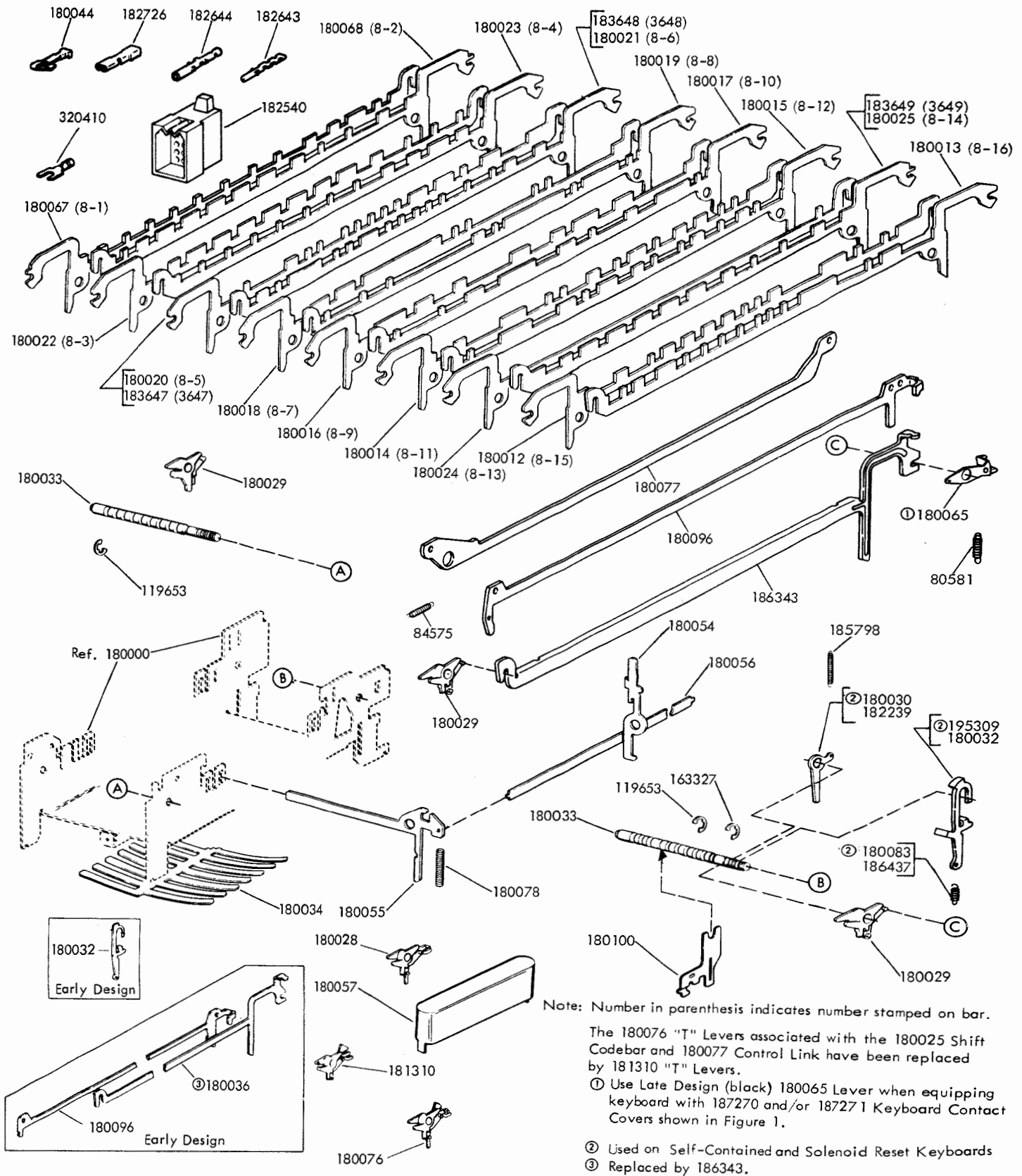


Fig. 7 - Codebar Mechanism

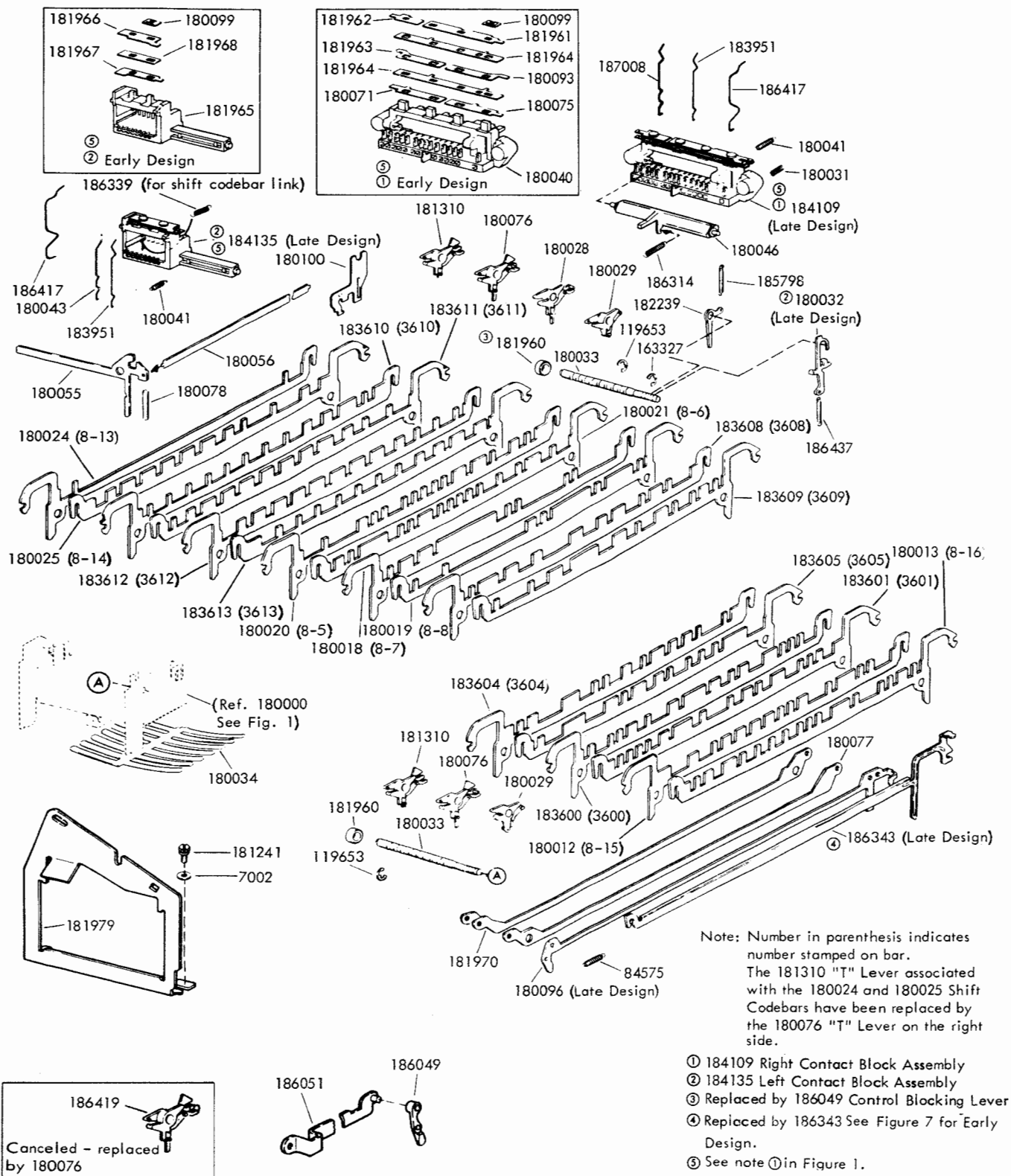


Fig. 8 - Codebar Mechanism For Units Equipped With Even Parity

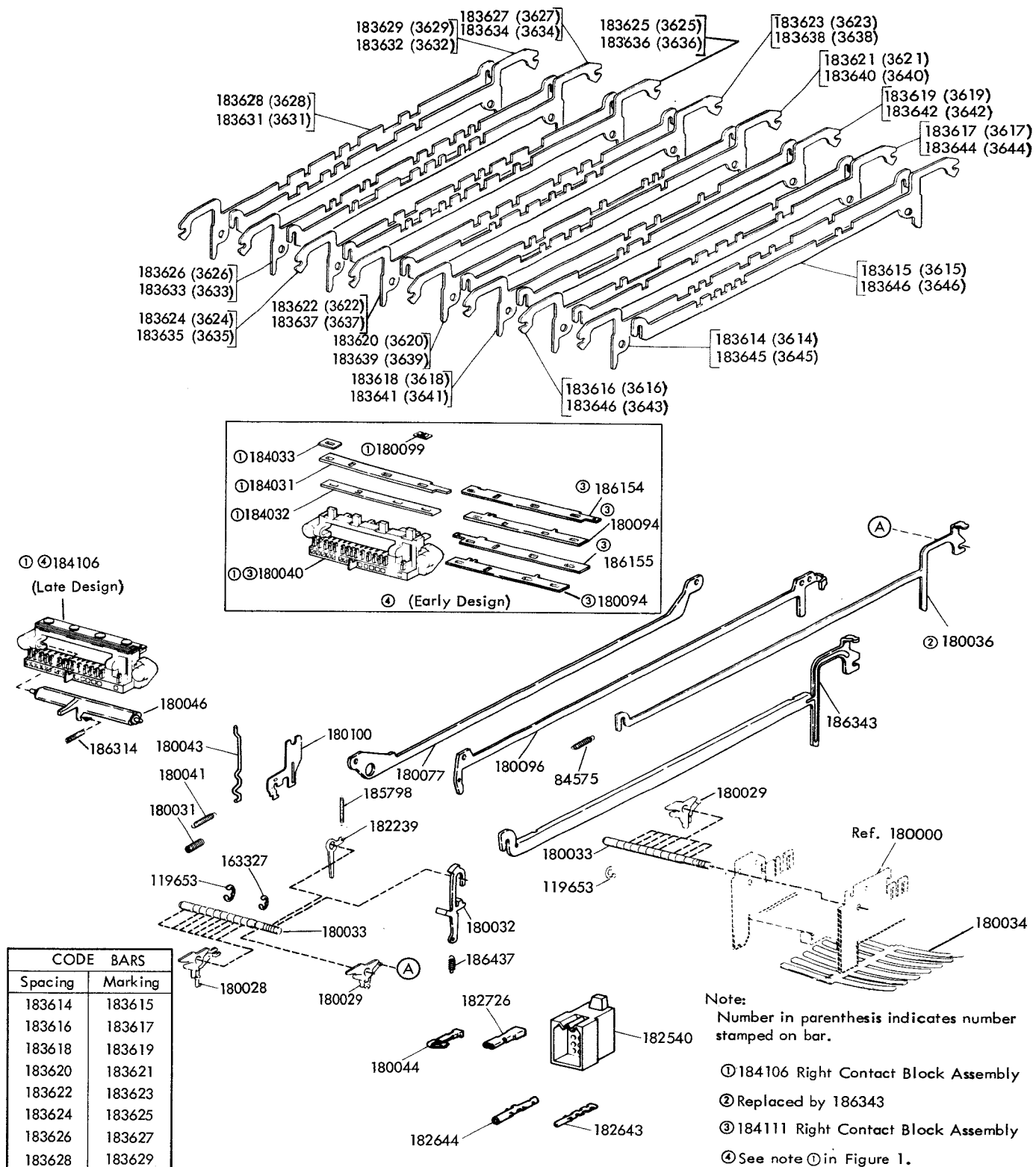


Fig. 9 - Codebar Mechanism For Numeric Keyboard

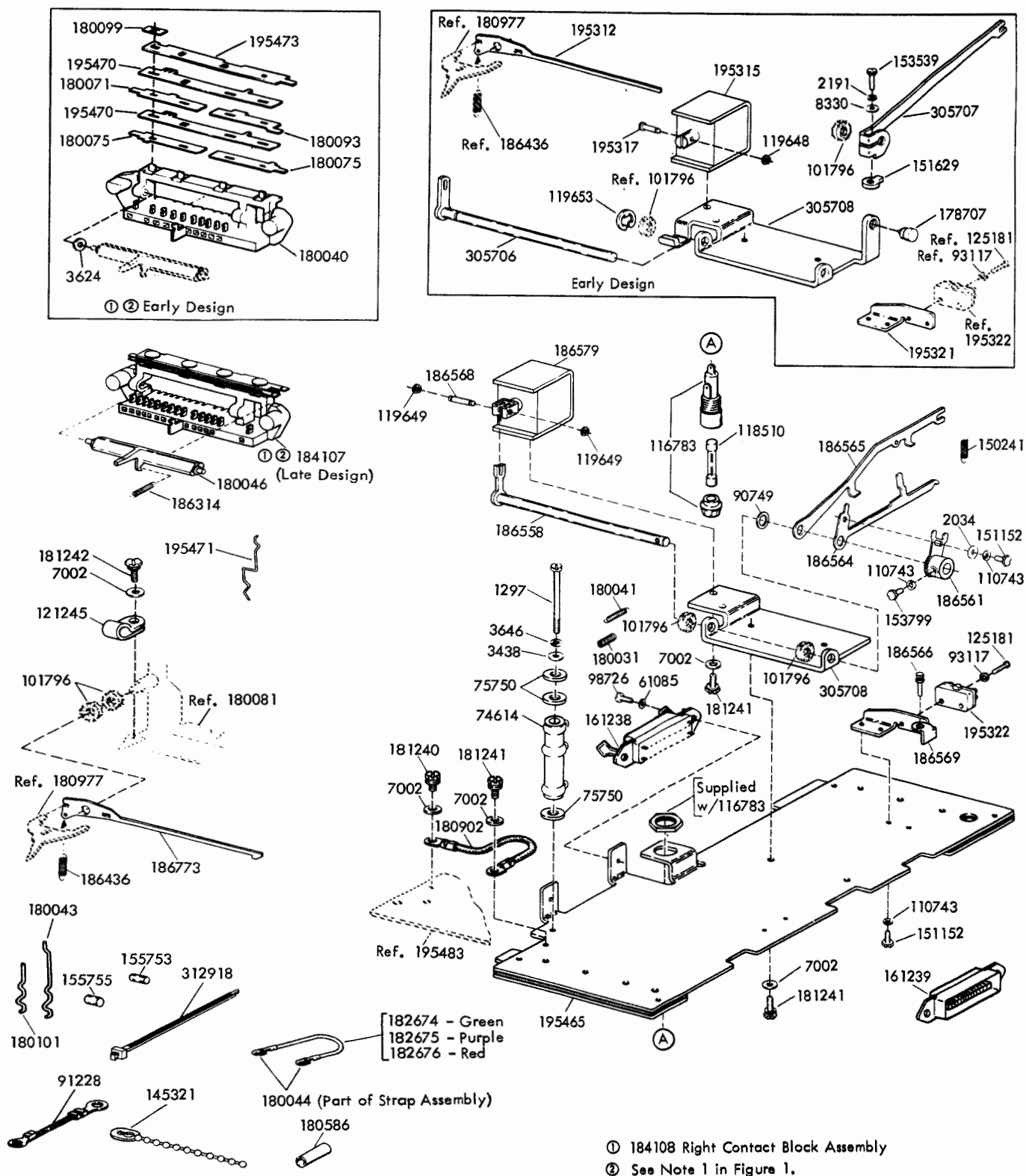


Fig. 10 - Reset Mechanism for Self-Contained and Solenoid Reset Keyboards

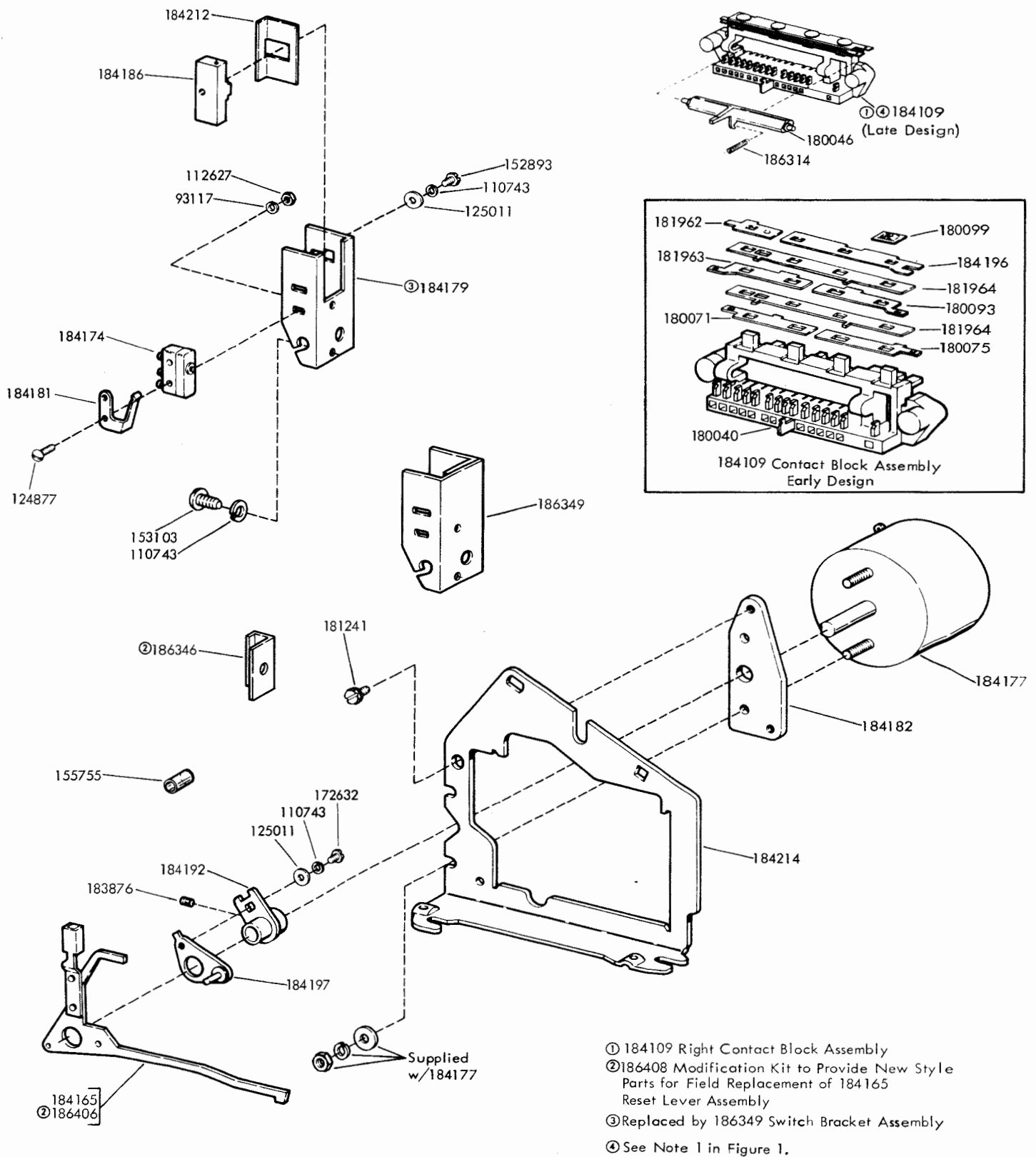
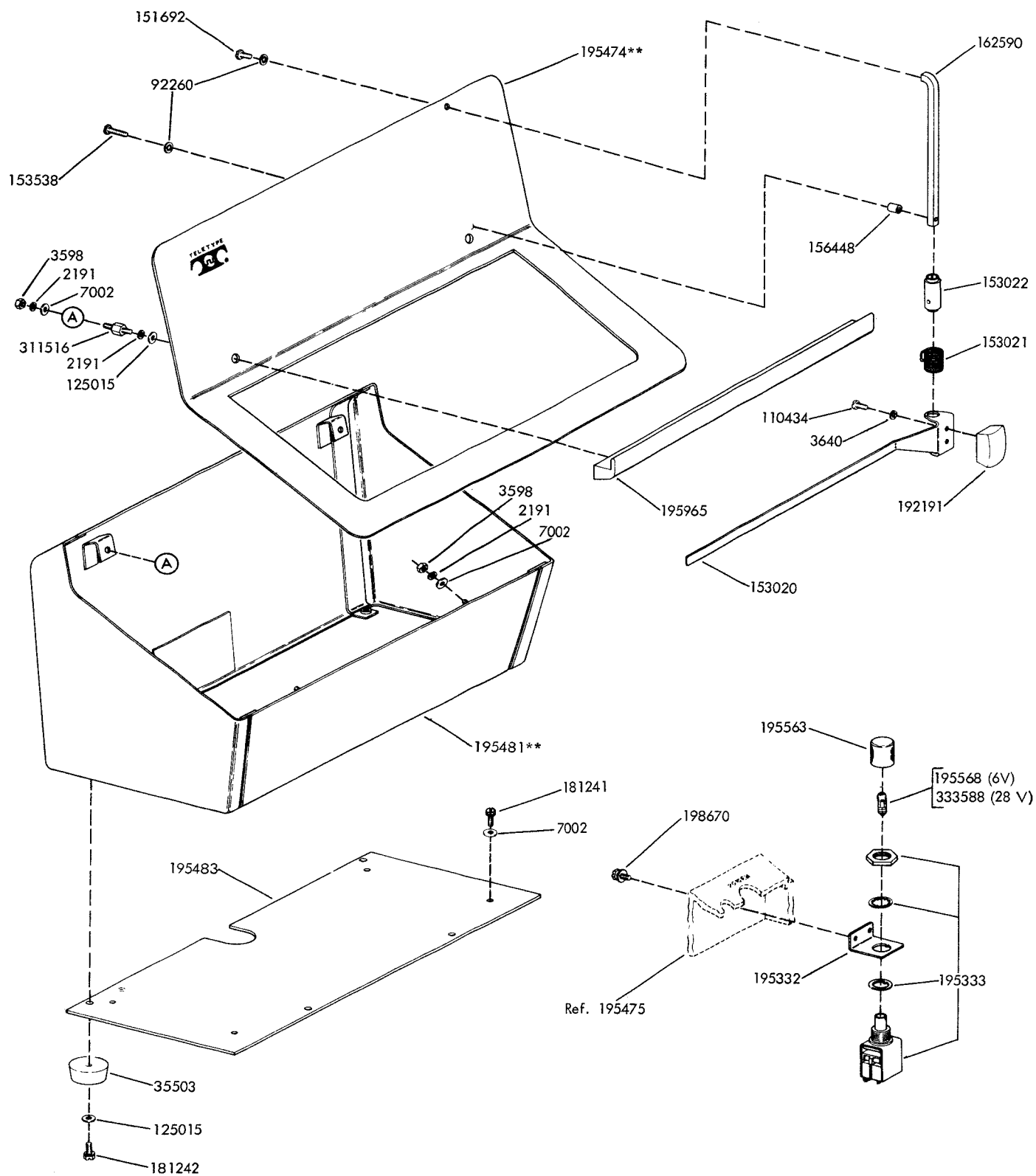


Fig. 11 - Reset Mechanism For Even Parity Keyboard

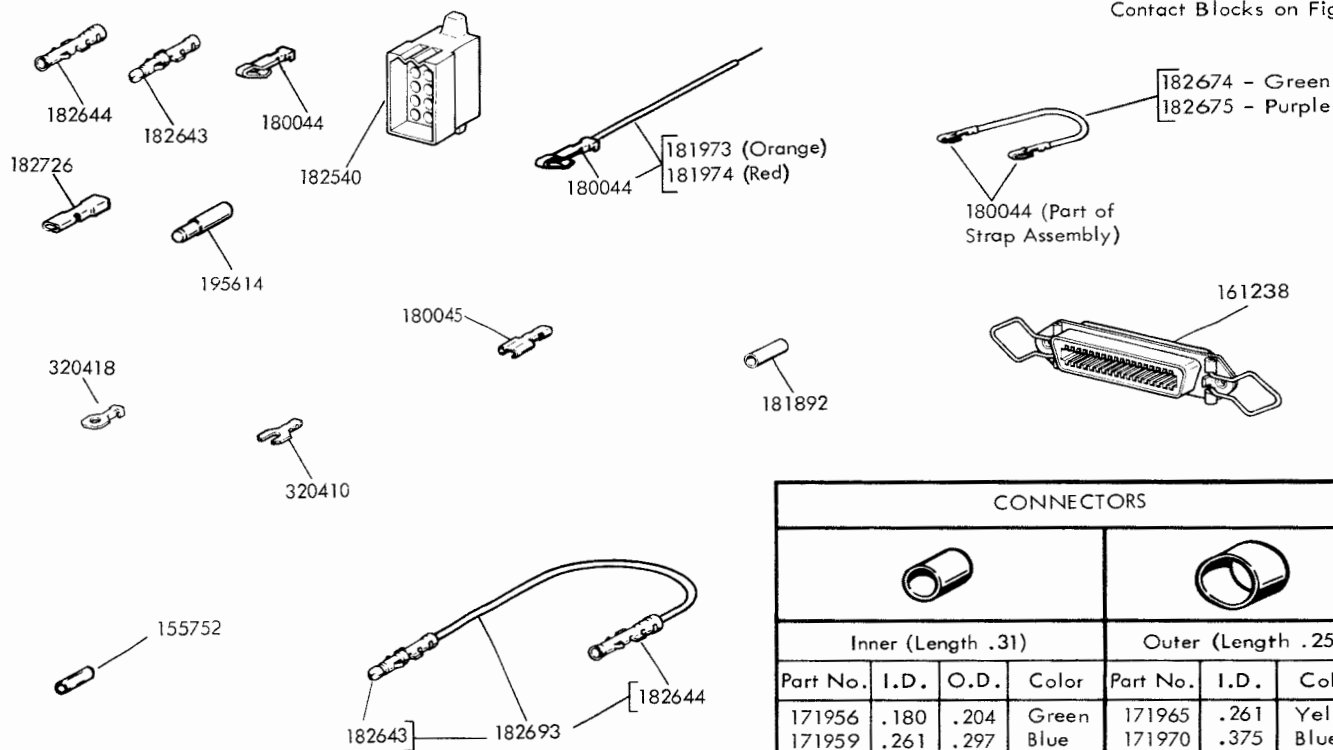


**Refer to page 1 for finish suffix

Fig. 12 - Cover For Self-Contained and Solenoid Reset Keyboards

Components	CABLE ASSEMBLIES											
	180870	180908	181978	①181969	184034	184051	184198	184199	185845	186156	①187009	195482
320418									X			
155750			X						X			
155752										X		X
161238									X	X		X
171956							X					
171959								X				
171965							X					
171970								X				
180044	X	X	X	X	X	X	X	X	X	X	X	X
180045		X										
180586												X
181892								X				
181973			X				X					
181974			X				X					
182540	X		X	X	X	X		X			X	
182643	X		X	X	X	X	X	X			X	
182644	X		X	X	X	X		X			X	
182674				X							X	
182675				X							X	
182693					X	X						
182726	X	X	X	X	X	X	X	X	X	X	X	X
195614	X		X	X	X	X		X				
320410		X								X		X

① Includes 184135, 184109
Contact Blocks on Figure 8.



CONNECTORS						
Inner (Length .31)				Outer (Length .25)		
Part No.	I.D.	O.D.	Color	Part No.	I.D.	Color
171956	.180	.204	Green	171965	.261	Yellow
171959	.261	.297	Blue	171970	.375	Blue

Fig. 13 - Cable Components

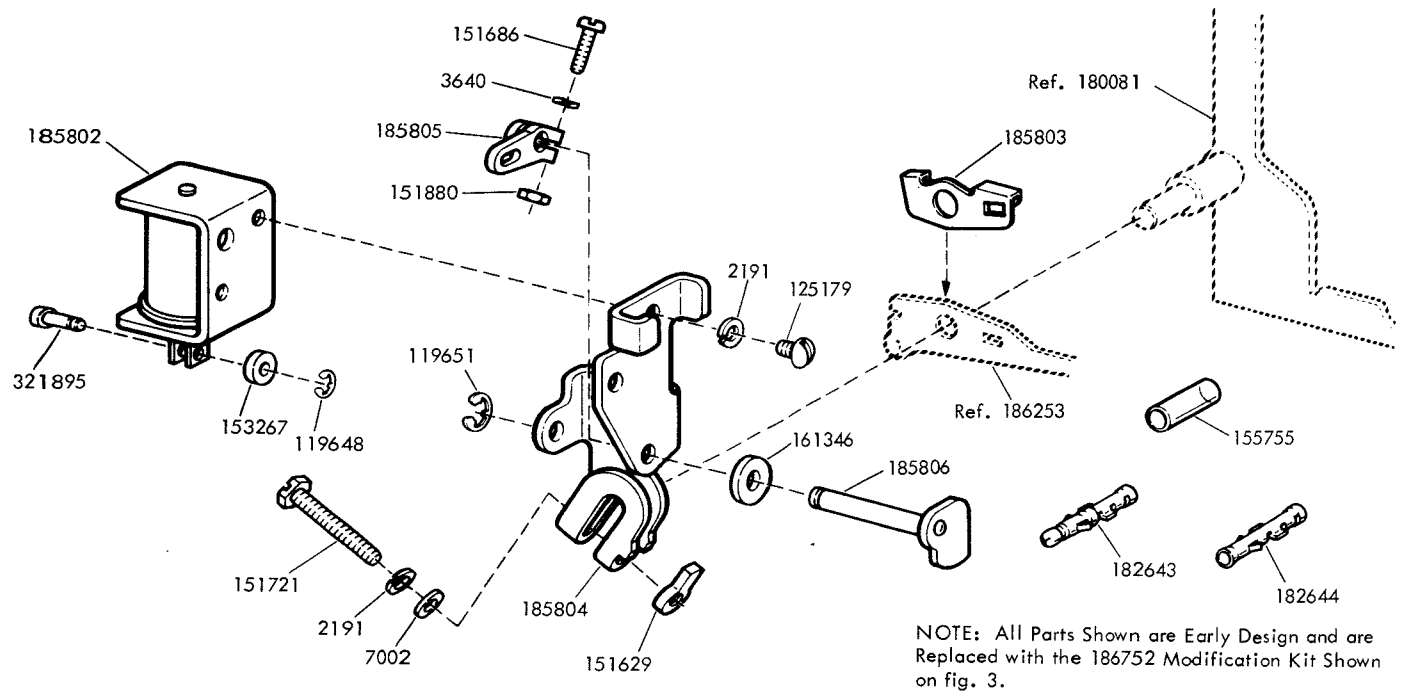


Fig. 14 - 185801 Modification Kit To Provide Locking For Keyboard

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1263	Screw, 6-32 x 1/4 Fil 3	145321	Tie, Cable 10	180022	Codebar, No. 6 Rear 7
1297	Screw, 6-40 x 2-7/16 Fil 10	150241	Spring 10	180023	Codebar, No. 5 Front 7
2034	Washer, Flat 10	151152	Screw, 4-40 x 3/16 Hex 10	180024	Codebar, No. 5 Rear 7,8
2191	Lockwasher 3,10,12,14	151629	Nut, 6-40 Lug 10,14	180025	Codebar, No. 5 Front 7,8
3438	Washer, Flat 10	151686	Screw, 6-40 x 3/8 Fil 14	180027	Cover, Keyboard 4
3598	Nut, 6-40 Hex 12	151692	Screw, 6-40 x 3/16 Fil 12	180028	Lever 7,8,9
3599	Nut, 4-40 Hex 3	151721	Screw, 6-40 x 3/4 Hex 14	180029	Lever 7,8,9
3624	Washer, Flat 2,3,10	151880	Nut, 4-40 Hex 3,14	180030	Lever, Latch 7
3640	Lockwasher 12,14	152893	Screw, 4-40 x 1/4 Hex 11	180031	Spring, Compression 2,8,9, 10
3646	Lockwasher 10	153020	Guide, Line 12	180032	Lever, Non-Repeat 7,8,9
5740	Screw, 2-56 x 1/4 Fil 3	153021	Spring, Torsion 12	180033	Shaft 7,8,9
6345	Nut, 6-32 Hex 3	153022	Bushing 12	180034	Spring, Flat 7,8,9
7002	Washer, Flat 3,8,10,12,14	153103	Screw, 4-40 Self-Tapping 11	180036	Codebar, Universal 7,9
8330	Washer, Flat 10	153267	Washer, Felt 14	180040	Block, Contact 2,8,9,10,11
35503	Foot, Rubber 12	153538	Screw, 6-40 x 7/16 Hex 12	180041	Spring 2,8,9,10
41663	Washer, Flat 4	153539	Screw, 6-40 x 11/16 Hex 10	180043	Wire, Contact 2,8,9,10
61085	Lockwasher 10	153799	Screw, 4-40 x 21/64 Hex 10	180044	Terminal, Tab Type 7,9,10, 13
71073	Washer, Flat 3	155750	Sleeve, 3/32 ID x 1/2" Lg	180045	Terminal, Tab Type 13
74614	Resistor, 2,6000 Ohm 10		Insulating 13	180046	Bail, Contact Reset 2,8,9 10,11
75750	Washer, Insulating 10	155752	Sleeve, 5/64 ID x 1/2" Lg	180048	Keylever 6
80581	Spring 7		13	180049	Keylever 6
84575	Spring 7,8,9	155753	Sleeve, 1/8 ID x 1/2" Lg 10	180050	Keylever 6
86079	Washer, Felt 3	155755	Sleeve, 11/64 ID x 5/8" Lg	180051	Keylever 6
90749	Shim, .010" Thk 10		Insulating 3,10,11,14	180052	Keylever, Shift 6
90790	Washer, Flat 3	156448	Bushing 12	180054	Keylever, Spacebar 6,7
91228	Strap, 2-1/2" Braided 10	156633	Washer, Felt 2	180055	Keylever, Spacebar 7,8
91229	Strap, 2" Braided 2	161238	Connector, 36 Pt	180056	Link, Space 7,8
92260	Lockwasher 12		Receptacle 10,13	180057	Spacebar 5,7
93117	Lockwasher 3,10,11	161239	Connector, 36 Pt Plug 10	180061	Keytop 5
93984	Lockwasher 3	161346	Washer, Felt 14	180064	Keylever, Repeat 6
98726	Screw, 3-48 x 1/4 Fil 10	162590	Shaft 12	180065	Lever, Link Break 7
100337	Spring 2	163327	Ring, Retaining 7,8,9	180066	Keylever 6
101796	Washer, Felt 10	171956	Connector, Green Shielding	180067	Codebar, No. 7 Rear 7
104807	Washer, Flat 3		13	180068	Codebar, No. 7 Front 7
110434	Screw, 4-40 x 3/16 Fil 12	171959	Connector, Blue Shielding	180071	Terminal 2,8,10,11
110743	Lockwasher 10,11		13	180072	Keylever, Line Break 6
112627	Nut, 2-56 Hex 3,11	171965	Connector, Yellow	180075	Terminal, Line Break 2,8, 10,11
116783	Holder, Fuse 10		Shielding 13	180076	Lever, No. 5 Pulse 7,8
117608	Nut, Speed 4	171970	Connector, Blue Shielding	180077	Link 7,8,9
118510	Fuse, 1/4 Amp 10		13	180078	Spring, Compression 6,7,8
119648	Ring, Retaining 3,10,14	172632	Screw, 4-40 x 3/16 Hex 11	180081	Bracket, Right Keyboard 2, 10,14
119649	Ring, Retaining 10	178707	Bumper, Rubber 10	180082	Bracket, Left Keyboard 2
119651	Ring, Retaining 14	180000	Frame, Keyboard 2,3,7,8,9	180083	Spring 7
119652	Ring, Retaining 4	180012	Codebar, No. 1 Rear 7,8	180084	Cover, Keyboard 4
119653	Ring, Retaining 7,8,9,10	180013	Codebar, No. 1 Front 7,8	180090	Terminal, Common 2
121245	Clamp, 5/16 ID Cable 10	180014	Codebar, No. 2 Rear 7	180093	Terminal 2,8,10,11
124877	Screw, 2-56 x 1/2 Rd 11	180015	Codebar, No. 2 Front 7	180094	Insulator 2,9
125011	Washer, Flat 3,11	180016	Codebar, No. 3 Rear 7,8	180096	Link 7,8,9
125015	Washer, Flat 12	180017	Codebar, No. 3 Front 7		
125179	Screw, 6-32 x 3/16 Rd 14	180018	Codebar, No. 4 Rear 7,8		
125181	Screw, 2-56 x 3/8 Fil 10	180019	Codebar, No. 4 Front 7,8		
126815	Screw, 2-56 x 15/64 Hex 3	180020	Codebar, No. 5 Rear 7,8		
130664	Lockwasher 3	180021	Codebar, No. 5 Front 7,8		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
180099	Fastener 2,8,9,10,11	180206	Keytop 5	181964	Insulator 8,11
180100	Guide 7,8,9	180207	Keytop 5	181965	Block, Contact 8
180101	Wire, Contact 2,10	180208	Keytop 5	181966	Terminal 8
180106	Keylever 6	180257	Keytop 5	181967	Terminal 8
180107	Detent 2	180259	Keytop 5	181968	Insulator 8
180114	Bracket, Left Keyboard 2	180260	Keytop 5	181969	Cable Assembly 13
180115	Modification Kit 2	180261	Keytop 5	181970	Link w/Extension 8
180116	Keylever 6	180262	Keytop 5	181971	Keytop 5
180160	Keytop 5	180264	Keytop 5	181973	Jumper, 3-1/2" Red 13
180161	Keytop 5	180273	Keytop 5	181974	Jumper, 3" Red 13
180162	Keytop 5	180274	Keytop 5	181975	Keylever 6
180163	Keytop 5	180278	Keytop 5	181976	Keylever 6
180164	Keytop 5	180280	Keytop 5	181978	Cable Assembly 13
180165	Keytop 5	180281	Keytop 5	181979	Bracket, Left Keyboard 2,8
180166	Keytop 5	180282	Keytop 5	182239	Latchlever 3,7,8,9
180167	Keytop 5	180299	Keytop 5	182540	Connector, 15 Pt Plug Type 7,9,13
180168	Keytop 5	180335	Keytop 5	182643	Terminal, Plug Type 3,7,9,13,14
180169	Keytop 5	180336	Keytop 5	182644	Terminal, Receptacle Type 3,7,9,13,14
180170	Keytop 5	180373	Keytop 5	182674	Jumper, 2-1/4" Green 10,13
180171	Keytop 5	180374	Keytop 5	182675	Jumper, 2-1/4" Purple 10,13
180172	Keytop 5	180382	Keytop 5	182676	Jumper, 2-1/4" Red 10
180173	Keytop 5	180383	Keytop 5	182693	Jumper, 2-1/4" Orange 13
180174	Keytop 5	180384	Keytop 5	182726	Terminal, Receptacle Type 7,9,13
180175	Keytop 5	180385	Keytop 5	183236	Keylever, Repeat 6
180176	Keytop 5	180418	Keytop 5	183237	Cover, Keyboard 4
180177	Keytop 5	180419	Keytop 5	183238	Keylever 6
180178	Keytop 5	180440	Keytop 5	183600	Codebar 8
180179	Keytop 5	180441	Keytop 5	183601	Codebar 8
180180	Keytop 5	180442	Keytop 5	183604	Codebar 8
180181	Keytop 5	180443	Keytop 5	183605	Codebar 8
180182	Keytop 5	180444	Keytop 5	183608	Codebar 8
180183	Keytop 5	180586	Sleeve, 5-32 ID x 21/32" Lg Insulating 10,13	183609	Codebar 8
180184	Keytop 5			183610	Codebar 8
180185	Keytop 5	180870	Cable Assembly 13	183611	Codebar 8
180186	Keytop 5	180902	Jumper, 3-1/2" Braided 10	183612	Codebar 8
180187	Keytop 5	180908	Cable Assembly 13	183613	Codebar 8
180188	Keytop 5	180977	Plate w/Stud 2,10	183614	Codebar 9
180189	Keytop 5	181240	Screw w/Lockwasher, 6-40 x 3/16 Hex 10	183615	Codebar 9
180190	Keytop 5			183616	Codebar 9
180191	Keytop 5	181241	Screw w/Lockwasher, 6-40 x 1/4 Hex 8,10,11,12	183617	Codebar 9
180192	Keytop 5			183618	Codebar 9
180193	Keytop 5	181242	Screw w/Lockwasher, 6-40 x 5/16 Hex 10 12	183619	Codebar 9
180194	Keytop 5			183620	Codebar 9
180195	Keytop 5	181253	Keytop 5	183621	Codebar 9
180196	Keytop 5	181254	Keylever 6	183622	Codebar 9
180197	Keytop 5	181255	Keylever 6	183623	Codebar 9
180198	Keytop 5	181310	Lever 7,8	183624	Codebar 9
180199	Keytop 5	181892	Sleeve, 9/64 ID x 1" Lg Insulating 13	183625	Codebar 9
180200	Keytop 5				
180201	Keytop 5	181960	Spacer, .144" Thk 8		
180202	Keytop 5	181961	Terminal 8		
180203	Keytop 5	181962	Terminal 8,11		
180205	Keytop 5	181963	Terminal, Parity 8,11		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
183626	Codebar 9	184135	Block Assembly, Left	185619	Frame, Left Keyboard 2
183627	Codebar 9		Contact 8,13	185780	Spring, Compression 6
183628	Codebar 9	184165	Lever, Reset 11	185798	Spring 7,8,9
183629	Codebar 9	184174	Switch, SP-DT 11	185801	Modification Kit 1,14
183631	Codebar 9	184177	Solenoid, Rotary 11	185802	Solenoid 3,14
183632	Codebar 9	184179	Bracket 11	185803	Clip 14
183633	Codebar 9	184181	Actuator 11	185804	Bracket 14
183634	Codebar 9	184182	Plate 11	185805	Lever 14
183635	Codebar 9	184186	Switch, Reed 11	185806	Shaft 15
183636	Codebar 9	184192	Plate w/Hub 11	185845	Cable Assembly 13
183637	Codebar 9	184196	Terminal 11	185871	Screw w/Lockwasher, 8-32 x 3/8 Hex 2
183638	Codebar 9	184197	Plate w/Stud 11	186049	Lever 8
183639	Codebar 9	184198	Cable Assembly 13	186051	Link 8
183640	Codebar 9	184199	Cable Assembly 13	186071	Cover 4
183641	Codebar 9	184212	Guide 11	186154	Terminal 9
183642	Codebar 9	184214	Bracket, Right 11	186155	Terminal 9
183643	Codebar 9	184334	Keytop 5	186156	Cable Assembly 13
183644	Codebar 9	184335	Keytop 5	186253	Lever w/Hub 2,14
183645	Codebar 9	184336	Keytop 5	186314	Spring 2,8,,9,10,11
183646	Codebar 9	184337	Keytop 5	186339	Spring 8
183647	Codebar 7	184338	Keytop 5	186343	Codebar 7,8,9
183648	Codebar 7	184339	Keytop 5	186346	Shield, Magnetic 11
183649	Codebar 7	184340	Keytop 5	186349	Bracket 11
183876	Setscrew, 6-32 11	184341	Keytop 5	186406	Lever, Reset 11
183888	Keytop 5	184342	Keytop 5	186408	Modification Kit 11
183889	Keytop 5	184343	Keytop 5	186417	Wire, Contact 8
183890	Keytop 5	184344	Keytop 5	186419	Lever 8
183891	Keytop 5	184345	Keytop 5	186435	Spring 2
183892	Keytop 5	184346	Keytop 5	186436	Spring 10
183951	Wire, Contact 8,2	184351	Keytop 5	186437	Spring 7,8,9
184021	Cover, Keyboard 4	184734	Keytop 5	186558	Shaft w/Link 10
184022	Keylever 6	184815	Keytop 5	186561	Link w/Hub 10
184023	Keylever 6	184816	Keytop 5	186564	Lever 10
184024	Keylever 6	184817	Keytop 5	186565	Lever, Reset 10
184025	Keytop 5	184818	Keytop 5	186566	Screw, 4-40 Adjusting 10
184026	Keytop 5	184869	Keytop 5	196568	Pin 10
184027	Keytop 5	184895	Keytop 5	186569	Bracket 10
184031	Terminal 9	185089	Keytop 5	186579	Solenoid 10
184032	Insulator .031" Thk 9	185090	Keytop 5	186700	Shaft 3
184033	Spacer, 0.35" Thk 9	185092	Keytop 5	186701	Plate 3
184034	Cable Assembly 13	185093	Keytop 5	186702	Screw, 6-32 Spl 3
184051	Cable Assembly 13	185150	Keytop 5	186703	Plate, Top Mounting 3
184106	Block Assembly, Right	185159	Keytop 5	186704	Stud 3
	Contact 9	185160	Keytop 5	186705	Shaft 3
184107	Block Asstembly, Right	185161	Keytop 5	186706	Cam, Trip 3
	Contact 2,10	185162	Keytop 5	186707	Lever 3
184108	Block Assembly, Right	185163	Keytop 5	186709	Bushing, Eccentric 3
	Contact 10	185164	Keytop 5	186746	Lever 6
184109	Block Assembly, Right	185165	Keytop 5	186752	Modification Kit 1,3,14
	Contact 8,11,13	185394	Keytop 5	186754	Bushing 3
184111	Block Assembly, Right	185395	Keytop 5	186773	Lever, Reset 10
	Contact 9	185396	Keytop 5		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
186830	Bracket 3	195317	Pin 10	195614	Pin, Key 13
186832	Bushing, Eccentric 3	195321	Bracket, Switch 10	195965	Tray, Copyholder 12
186833	Shaft 3	195322	Switch 10	198670	Screw w/Lockwasher, 6-40 x 5/16 Hex 12
186834	Lever 3	105332	Bracket, Power Switch 12	303037	Spring, Compression 3
186874	Cam, Trip 3	195333	Switch, Pushbutton 12	305537	Plug, Button 4
187008	Wire, Contact 8	195465	Plate, Mounting 10	305706	Shaft w/Link 10
187009	Cable Assembly 13	195470	Insulator, .031" Thk 10	305707	Arm, Reset 10
187270	Cover, Contact 2,7	195471	Wire, Contact 10	305708	Bracket, Solenoid 10
187271	Cover, Contact 2,7	195473	Terminal, Common 10	311516	Post 12
192191	Knob 12	195474**	Panel, Top 12	312918	Strap 2,10
192538	Plug, Button 4	195475	Cover, Keyboard 4,12	320410	Terminal, Spade Type 7,13
195307	Keylever, Repeat 6	195481**	Cover 12	320418	Terminal, Ring Type 13
195309	Lever, Non-Repeat 7	195482	Cable Assembly 12	321895	Post 3,14
195312	Lever, Reset 10	195483	Plate 10,12	333588	Lamp, 28 V Miniature 12
195315	Solenoid w/Plunger 10	195563	Lens, Red Pushbutton 12		
		195568	Lamp, 6 V 12		

**Refer to Page 1 for finish suffix

33 TYPING UNIT (UP)

PARTS

FIGURE	CONTENTS	PAGE	FIGURE	CONTENTS	PAGE
1	Platen Mechanism – Friction Feed	2	23	Line feed Function Lever Mechanism	23
2	Paper Handling Mechanism – Friction Feed	3	24	Function Levers	24,25
3	Platen Mechanism – Sprocket Feed	4,5	25	185971 Modification Kit to Provide Printer With a Margin Bell to Ring on Approximately the 61st Character	26
4	Ribbon Feed Mechanism	6	26	185791 Modification Kit to Provide Controlled Single or Double Line Feed Feature on Friction Feed Printer	26
5	Carriage Upper Plate Mechanism	7			
6	Carriage Lower Plate Mechanism	8			
7	Carriage Power Bail Mechanism	9			
8	Carriage Drive Bail Mechanism	10			
9	Main Shaft Mechanism – Friction Feed	11			
10	Main Shaft Mechanism – Sprocket Feed	12	27	Typewheel Chart	27 to 33
11	182015 Clutch Trip Lever Assembly	13	28	Formout Mechanism – Sprocket Feed	34
12	Codebar Basket Mechanism	14	29	Later Design Formout Mechanism – Sprocket Feed	35
13	Function Box Mechanism	15	30	Formout Contact – Sprocket Feed	35
14	Function Shaft Mechanism	16	31	Solenoid Print-Nonprint Reset Mechanism	36
15	Selector Frame Mechanism	17	32	Base	37
16	Clutch and Camsleeve Mechanism	18	33	Sub Bases	38,39
17	Distributor Clutch Mechanism	19	34	Motors	40
18	Trip Shaft Mechanism	20	35	333521 Motor Assembly	41,42
19	182964 Drive Arm Assembly	21	36	Electrical Components	43
20	Clutch Trip Mechanism	21	37	Cable Components	44
21	Answer-Back Drum Mechanism	22		Numerical Index	45
22	Answer-Back Trip Magnet Mechanism	22			

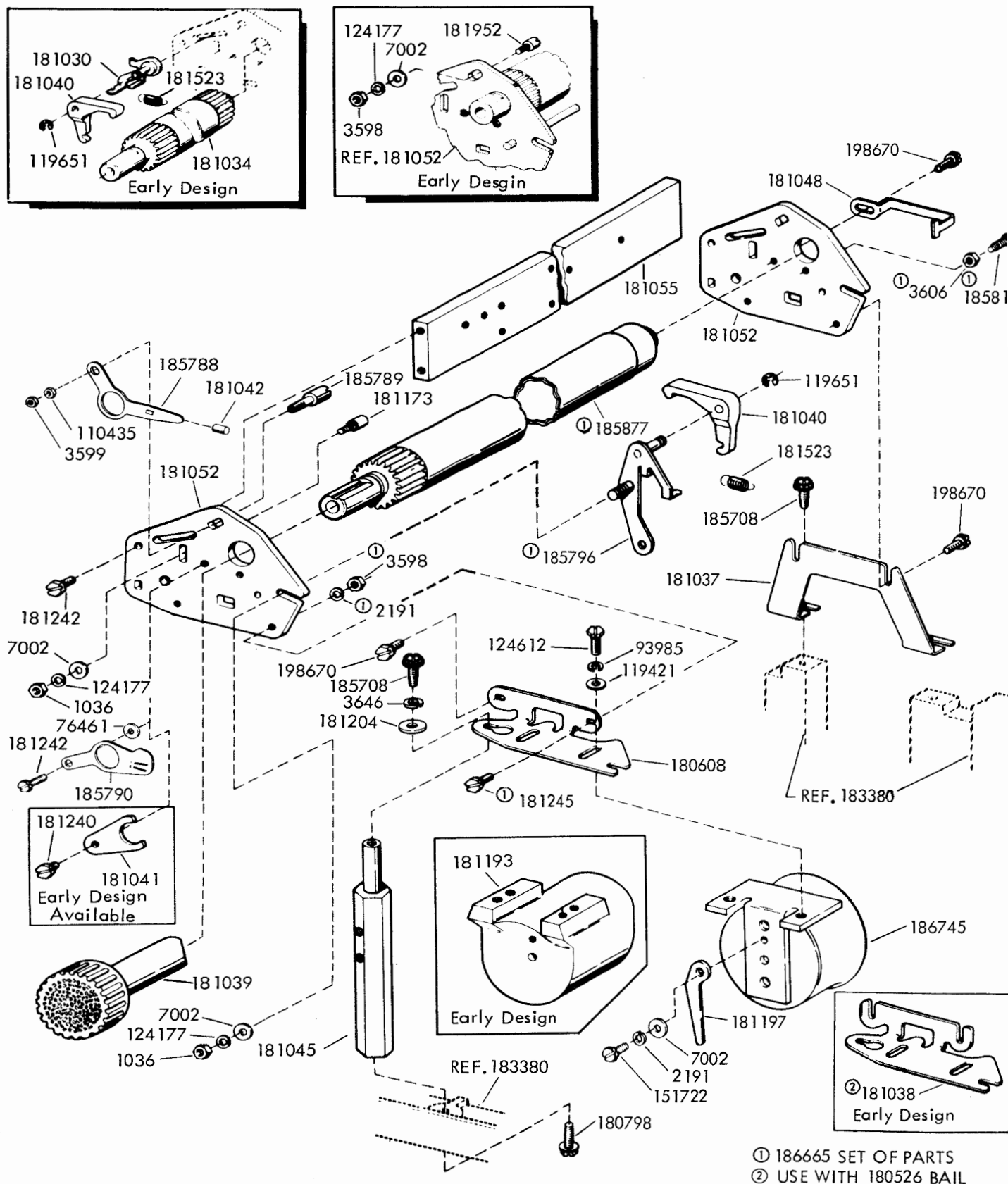


Fig. 1 - Platen Mechanism-Friction Feed

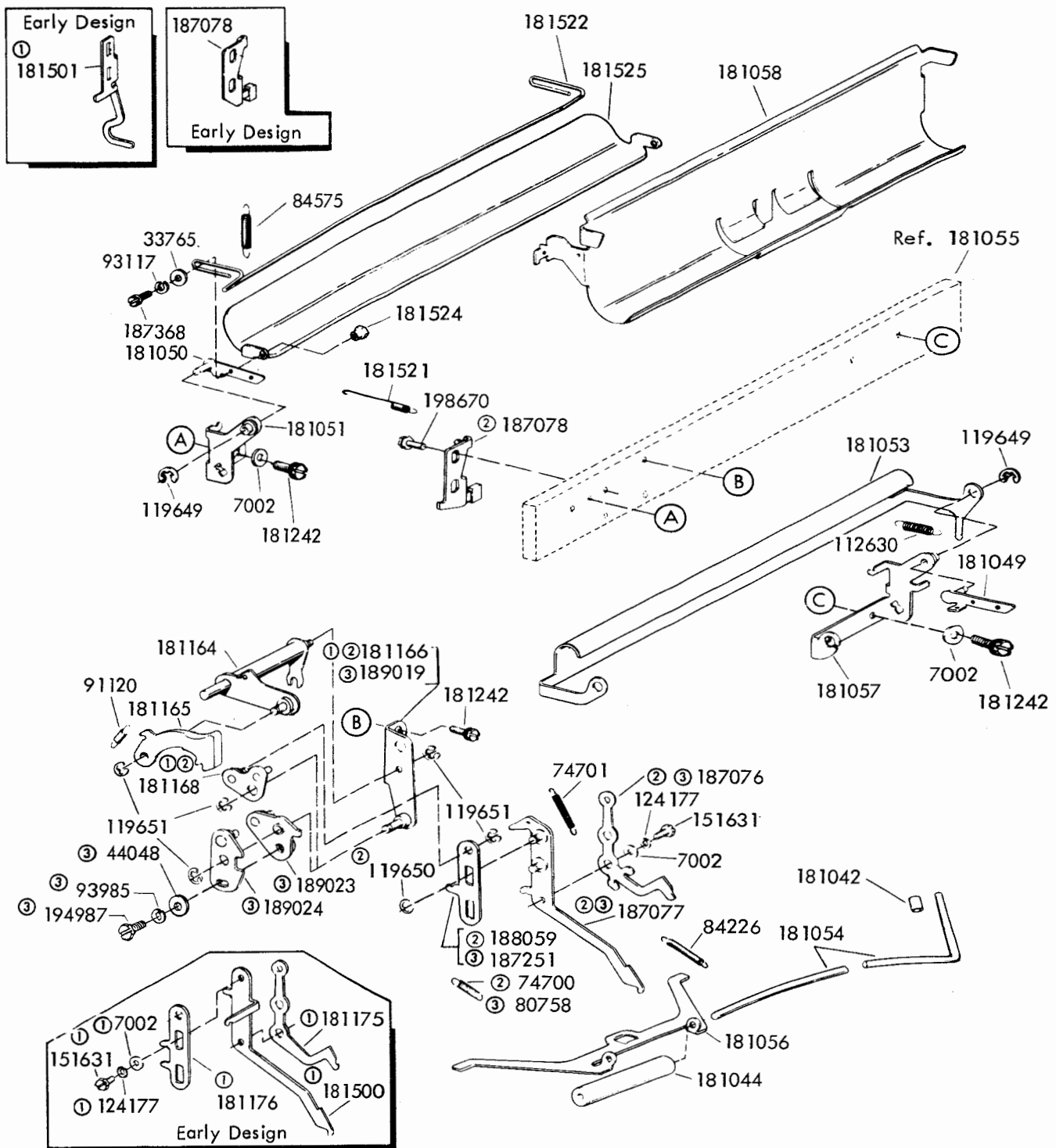


Fig. 2 - Paper Handling Mechanism-Friction Feed

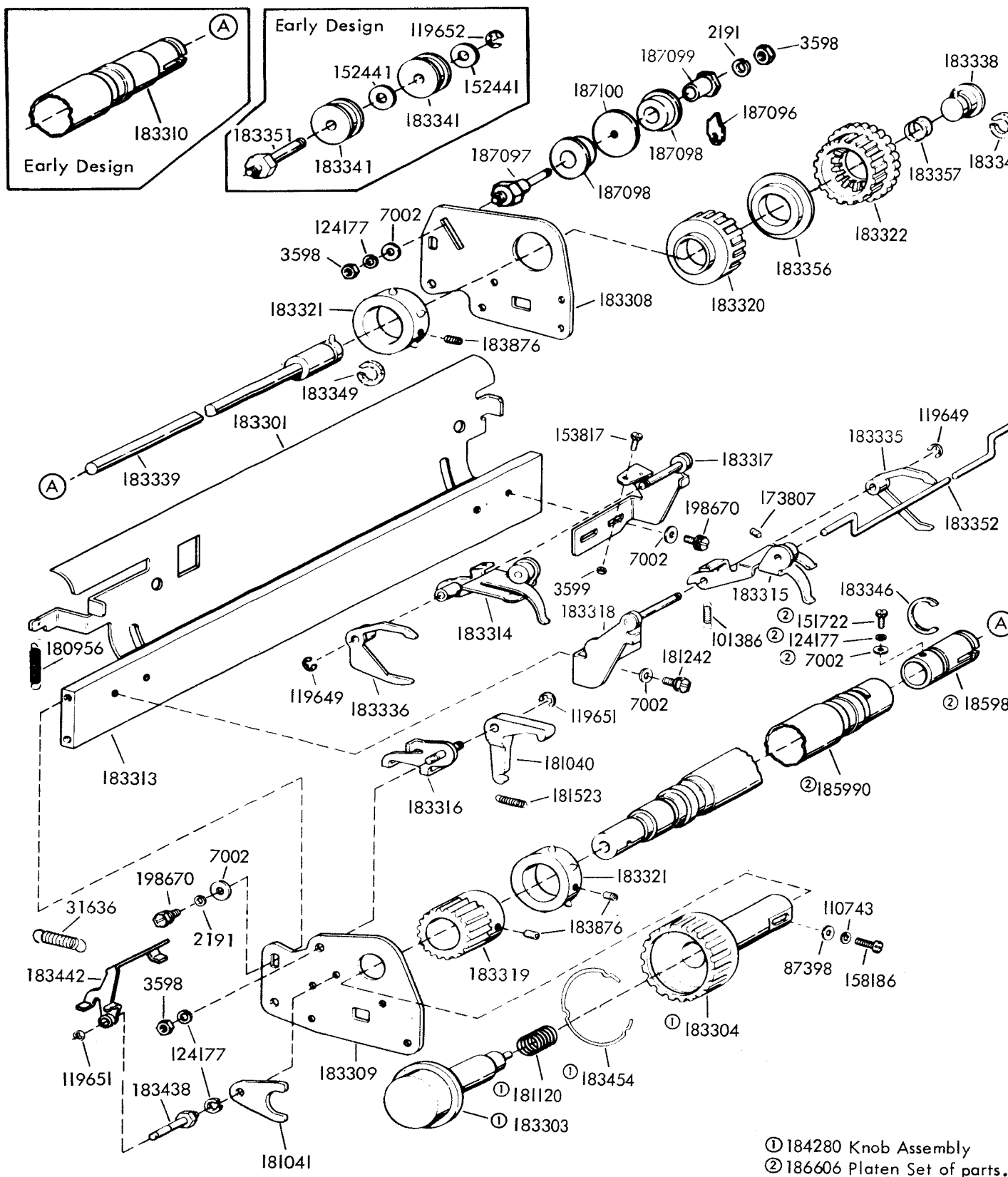


Fig. 3 - Platen Mechanism-Sprocket Feed

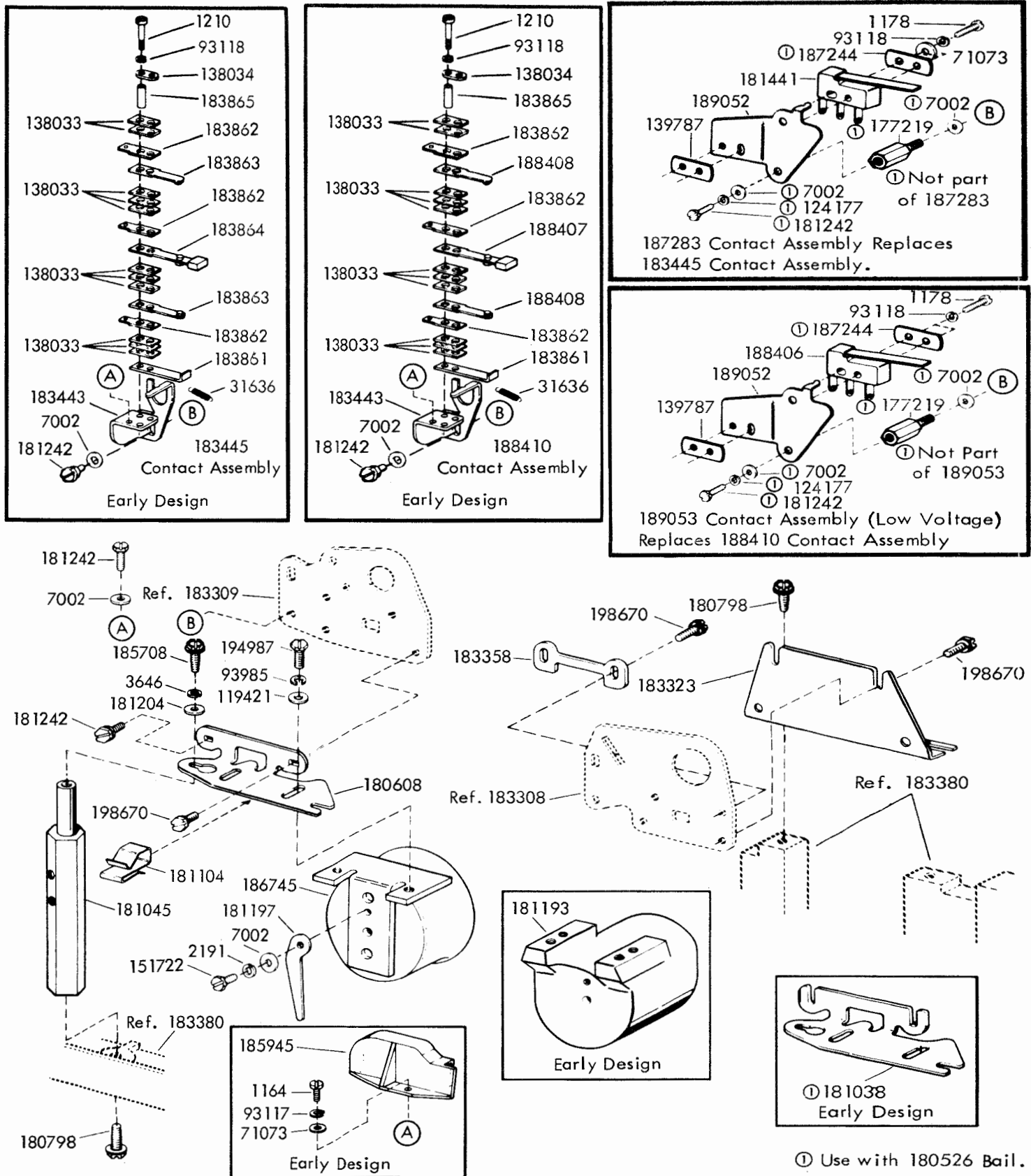


Fig. 3 - Platen Mechanism-Sprocket Feed (Cont)

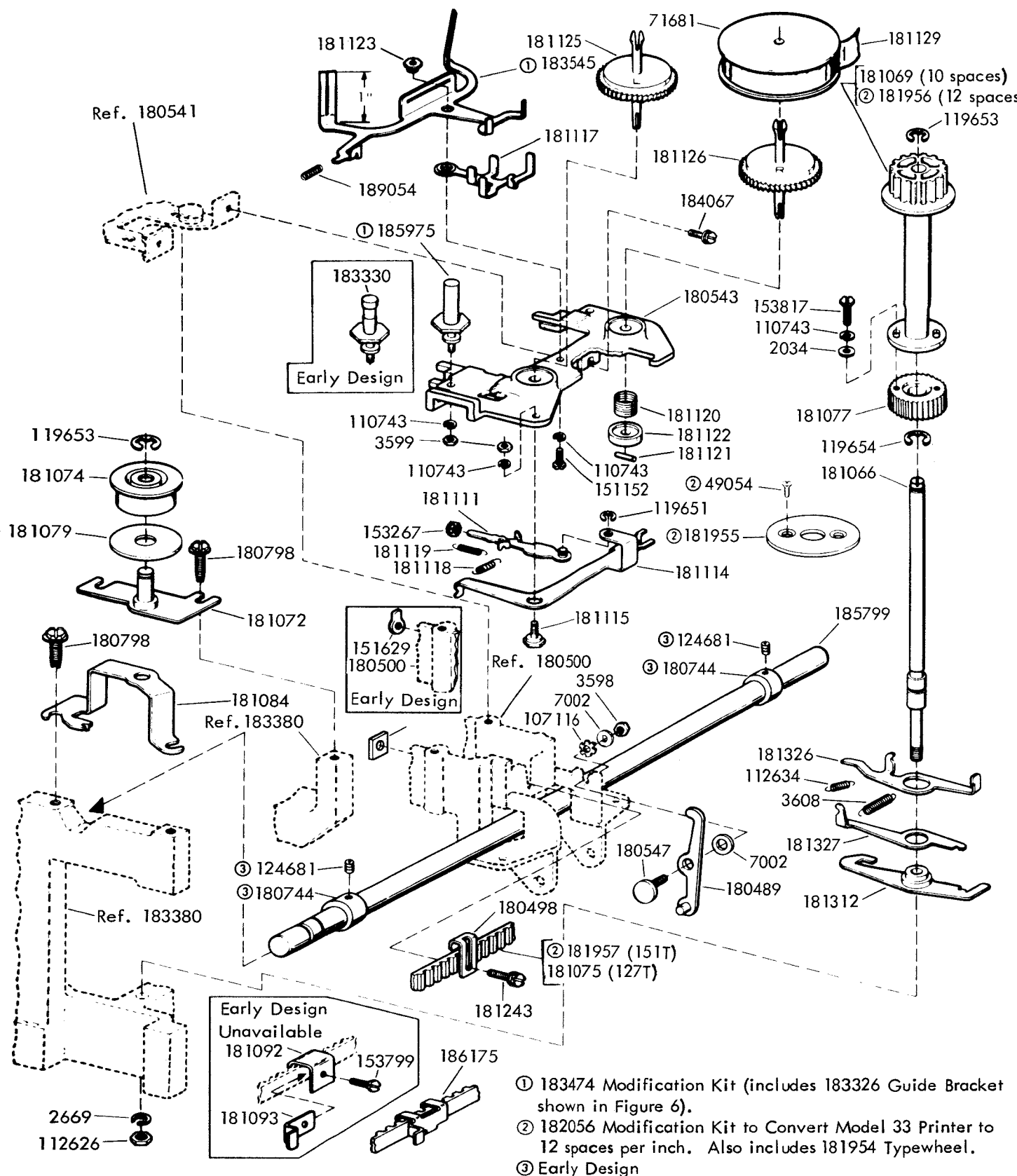


Fig. 4 - Ribbon Feed Mechanism

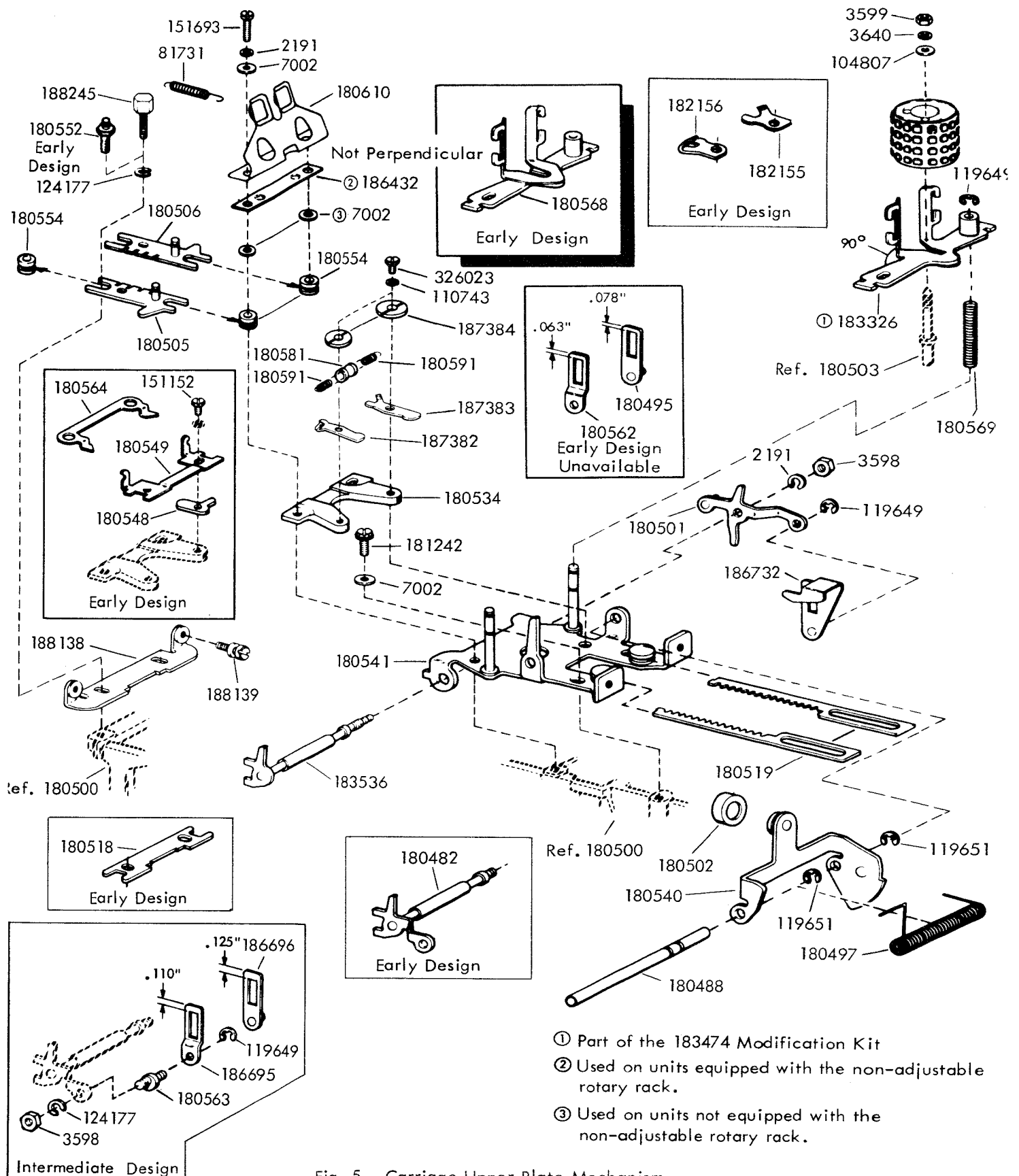


Fig. 5 - Carriage Upper Plate Mechanism

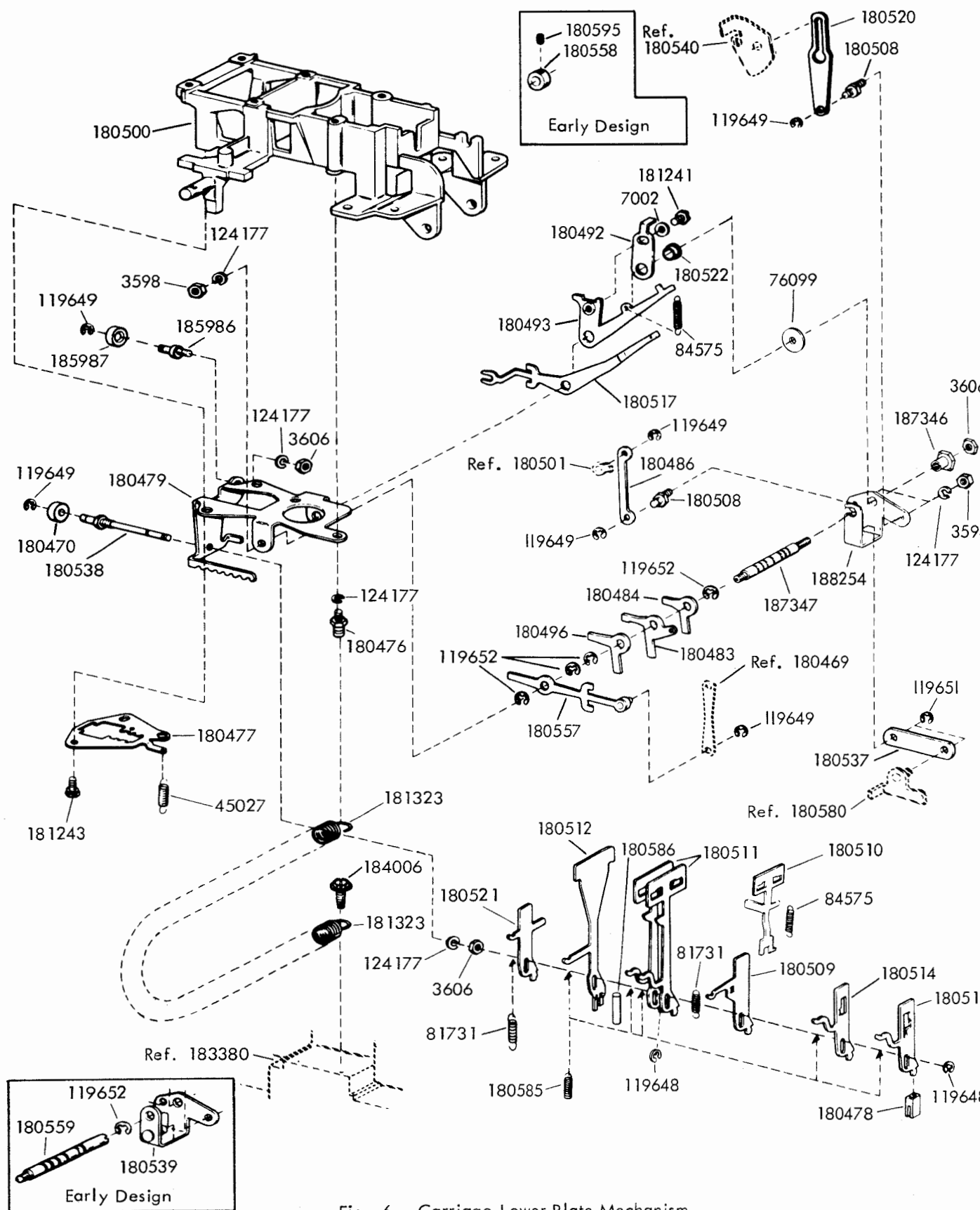


Fig. 6 - Carriage Lower Plate Mechanism

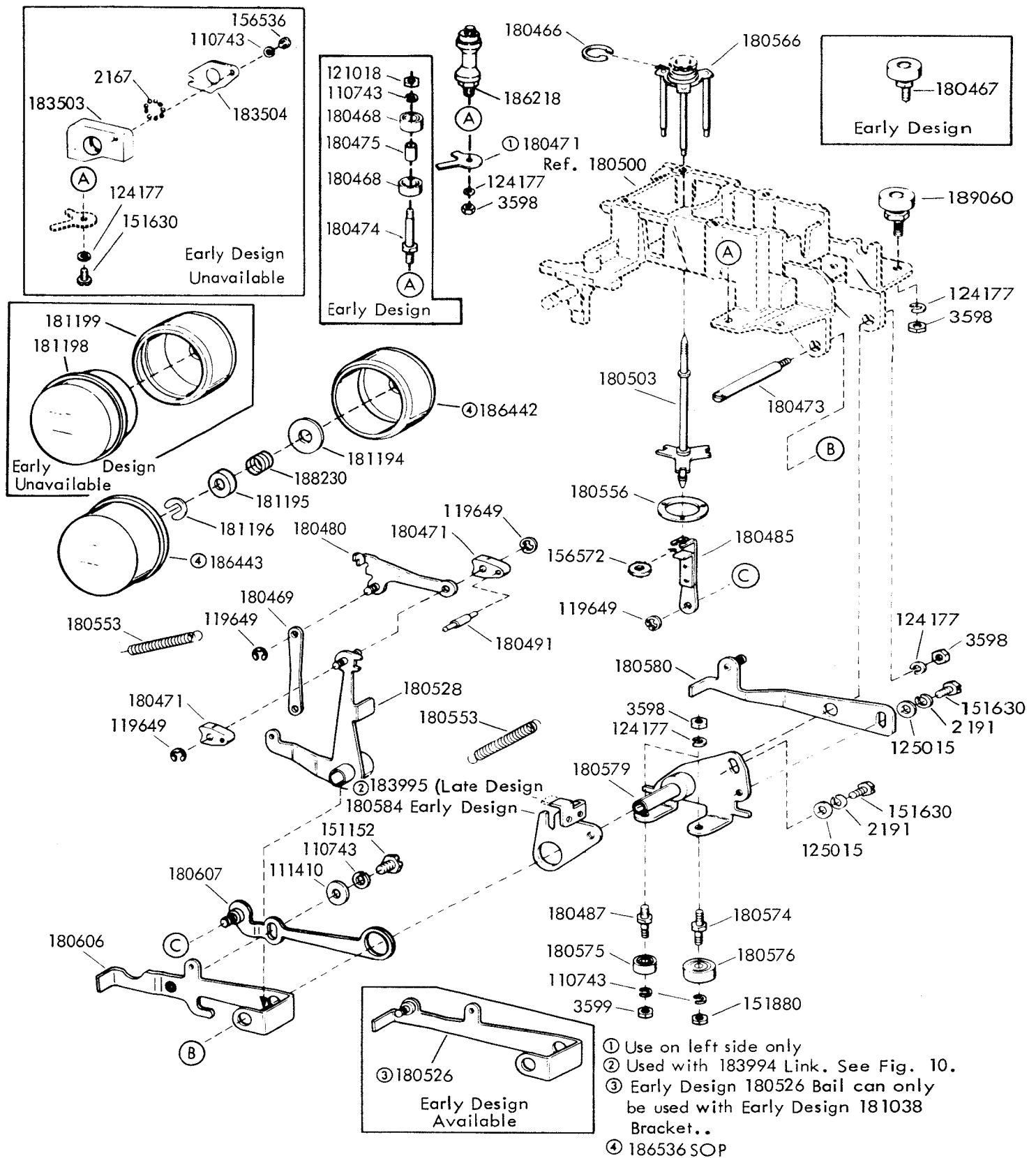


Fig. 7 - Carriage Power Bail Mechanism

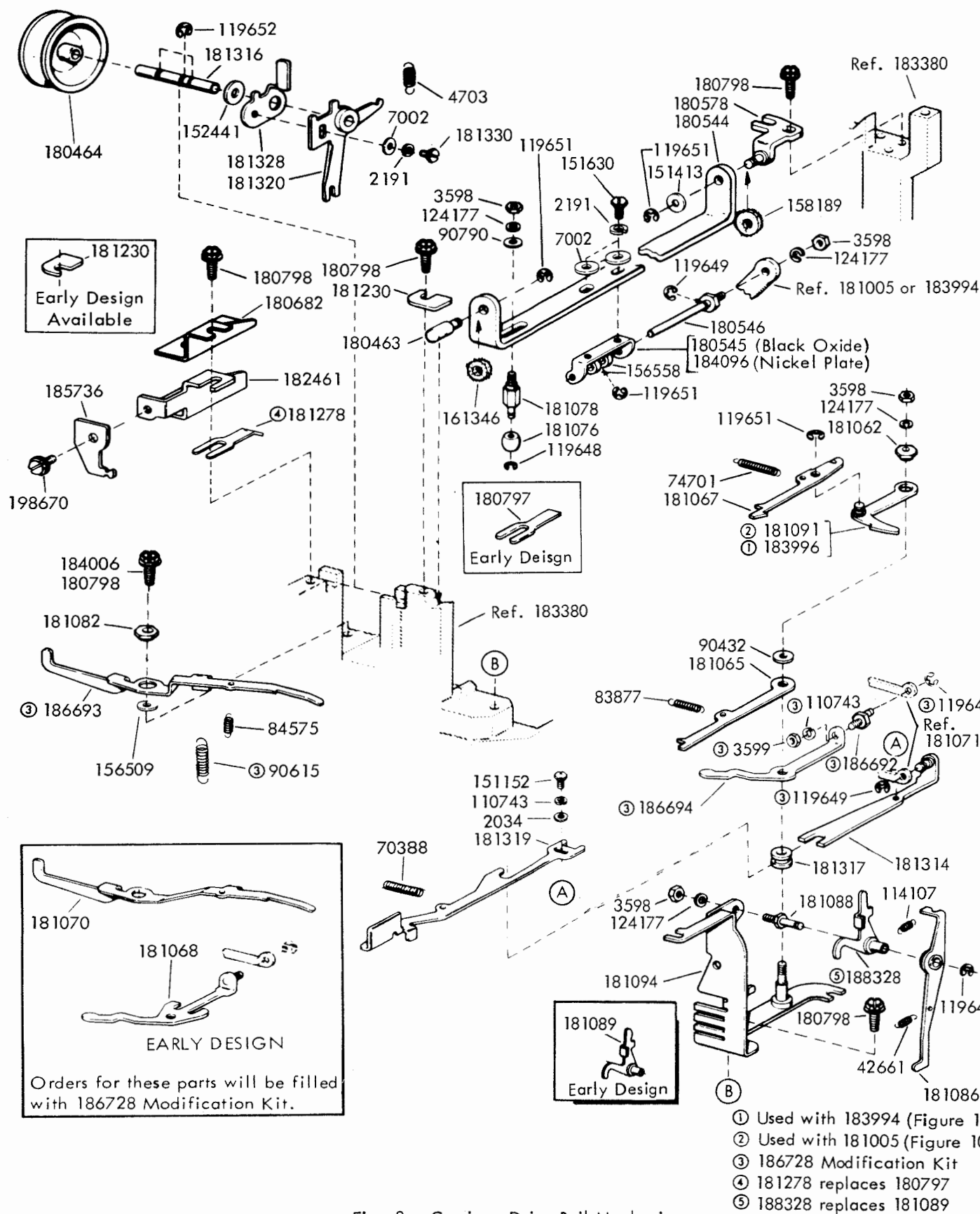


Fig. 8 - Carriage Drive Bail Mechanism

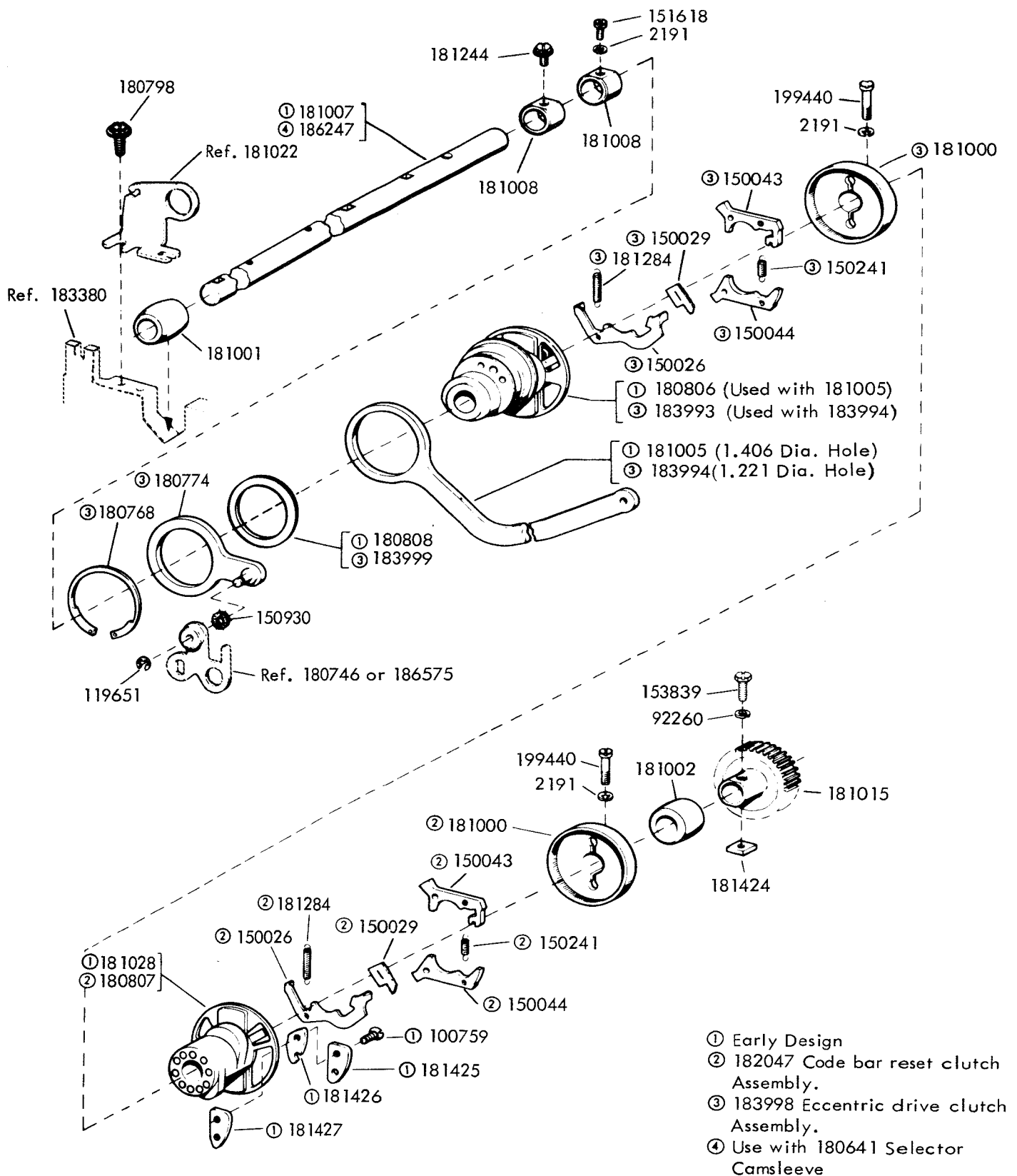


Fig. 9 - Main Shaft Mechanism-Friction Feed

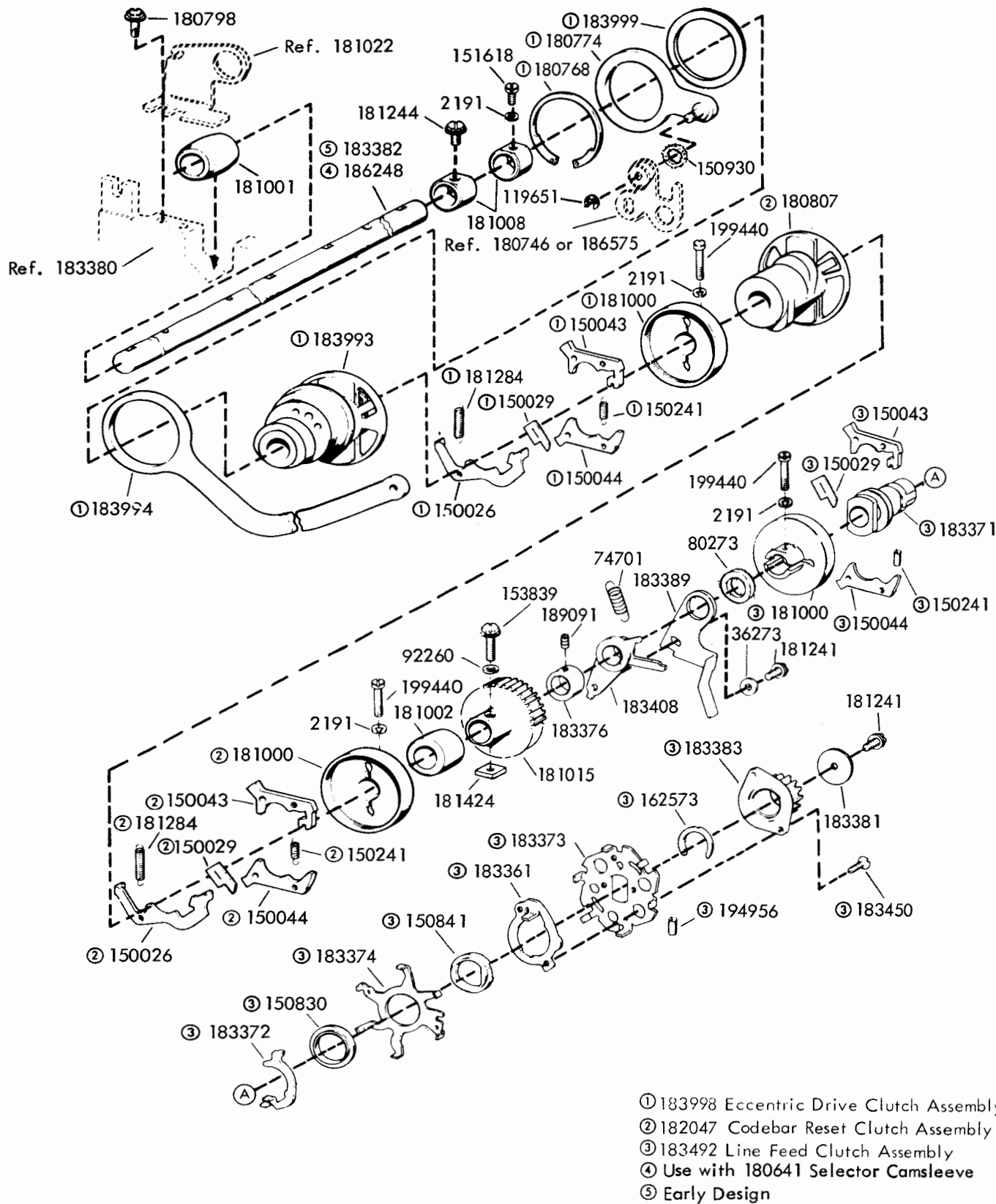


Fig. 10 - Main Shaft Mechanism-Sprocket Feed

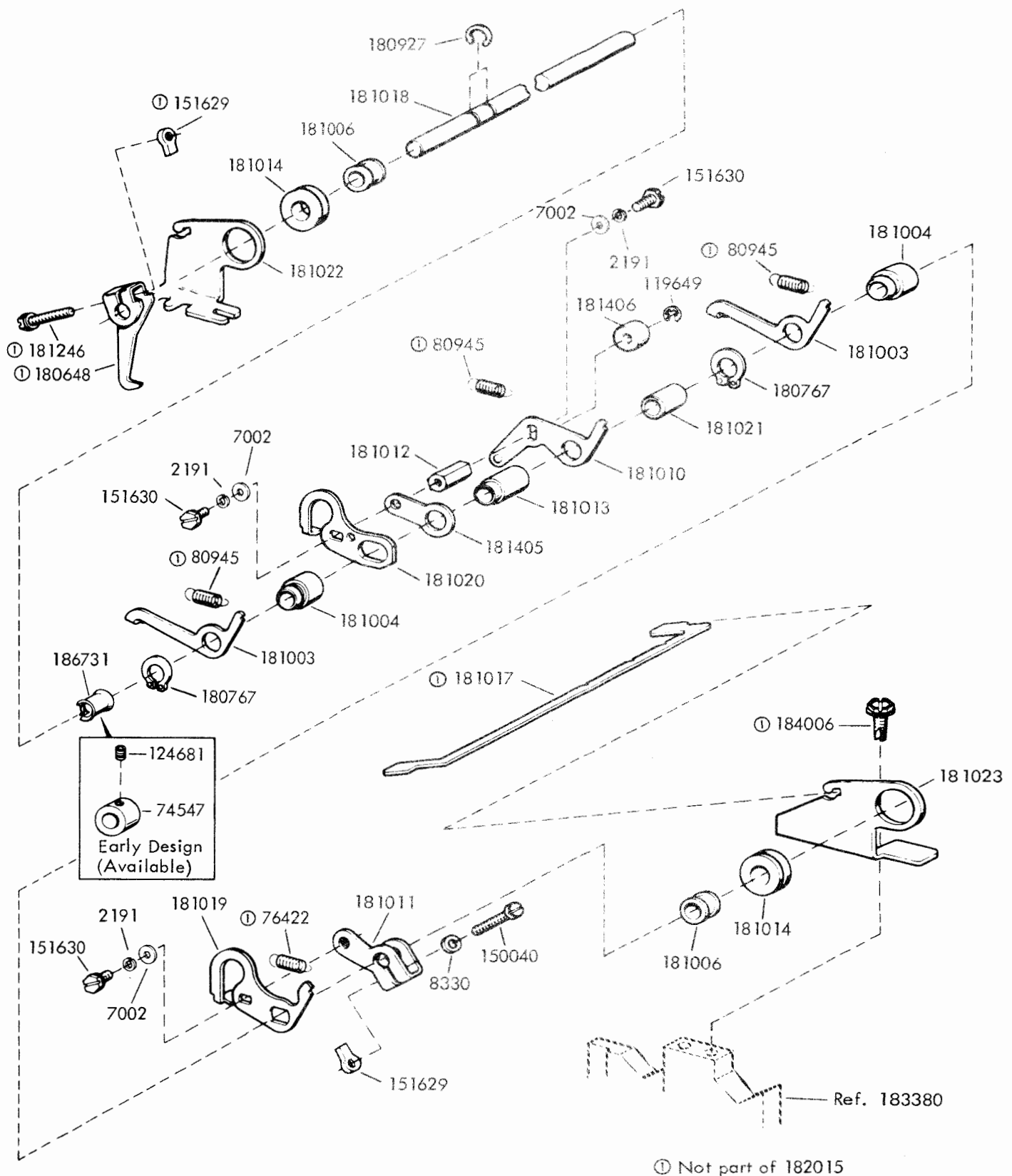


Fig. 11 - 182015 Clutch Trip Lever Assembly

SECTION 574-122-800TC

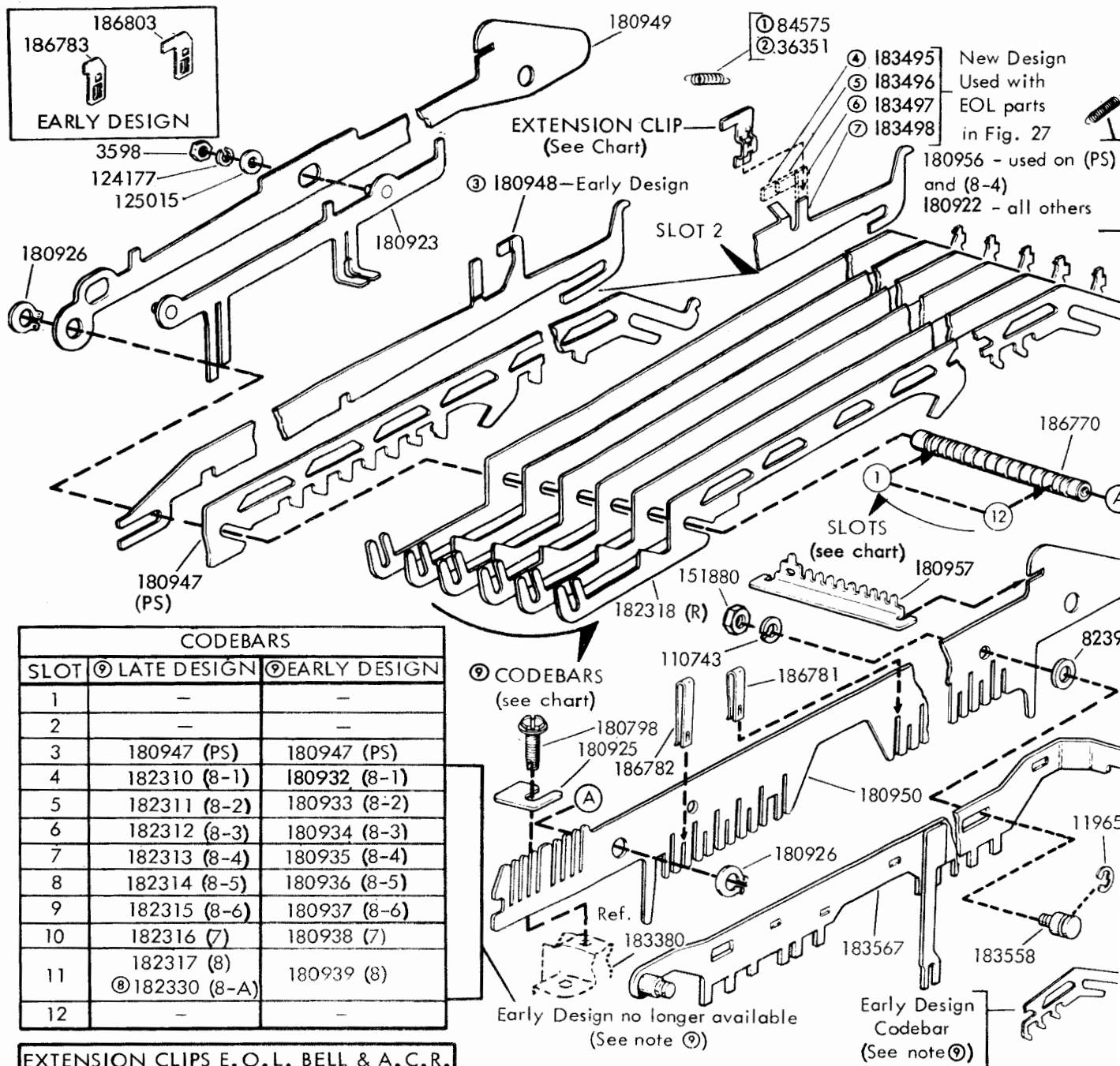


Fig. 12 - Codebar Basket Mechanism

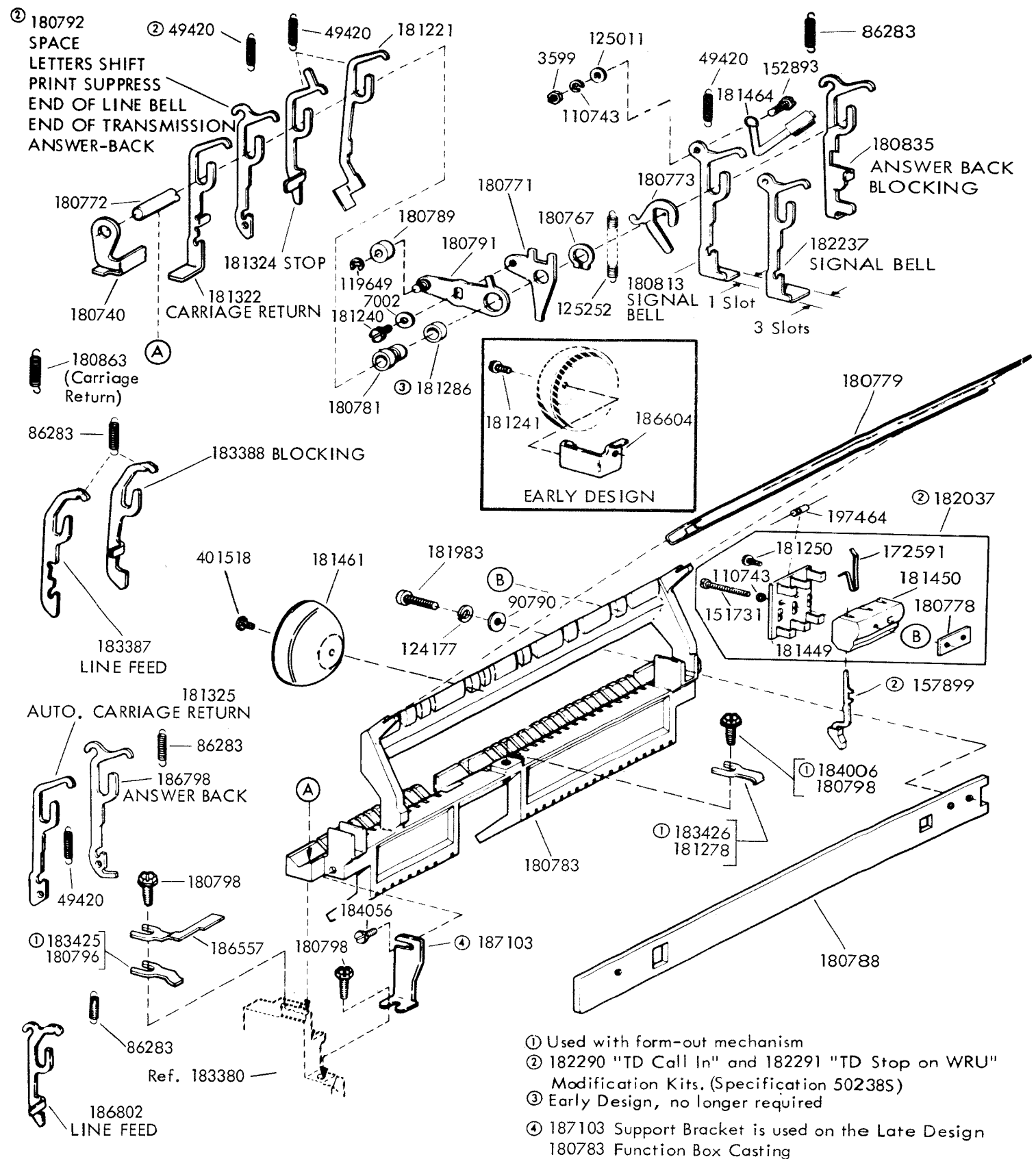


Fig. 13 - Function Box Mechanism

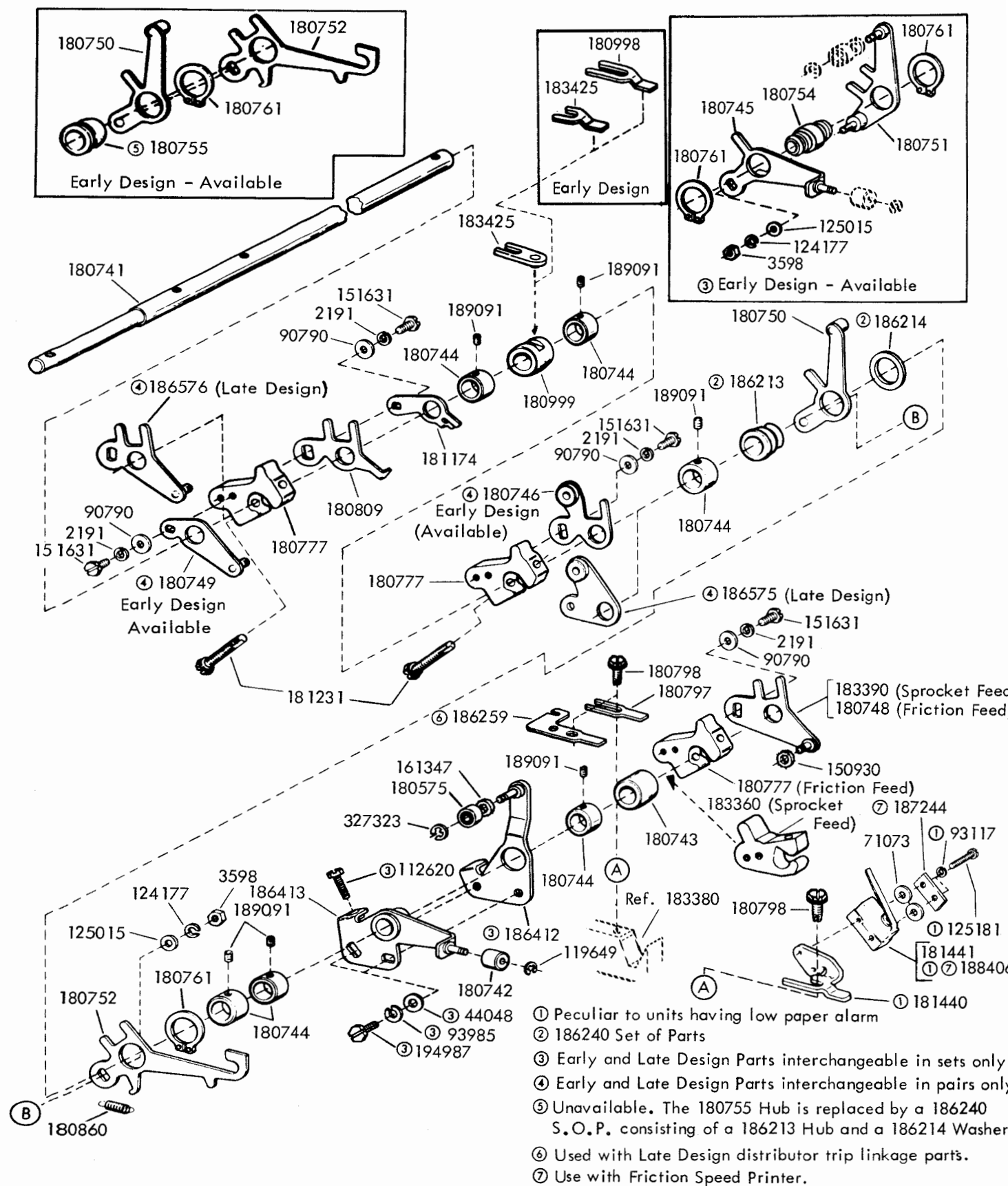


Fig. 14 - Function Shaft Mechanism

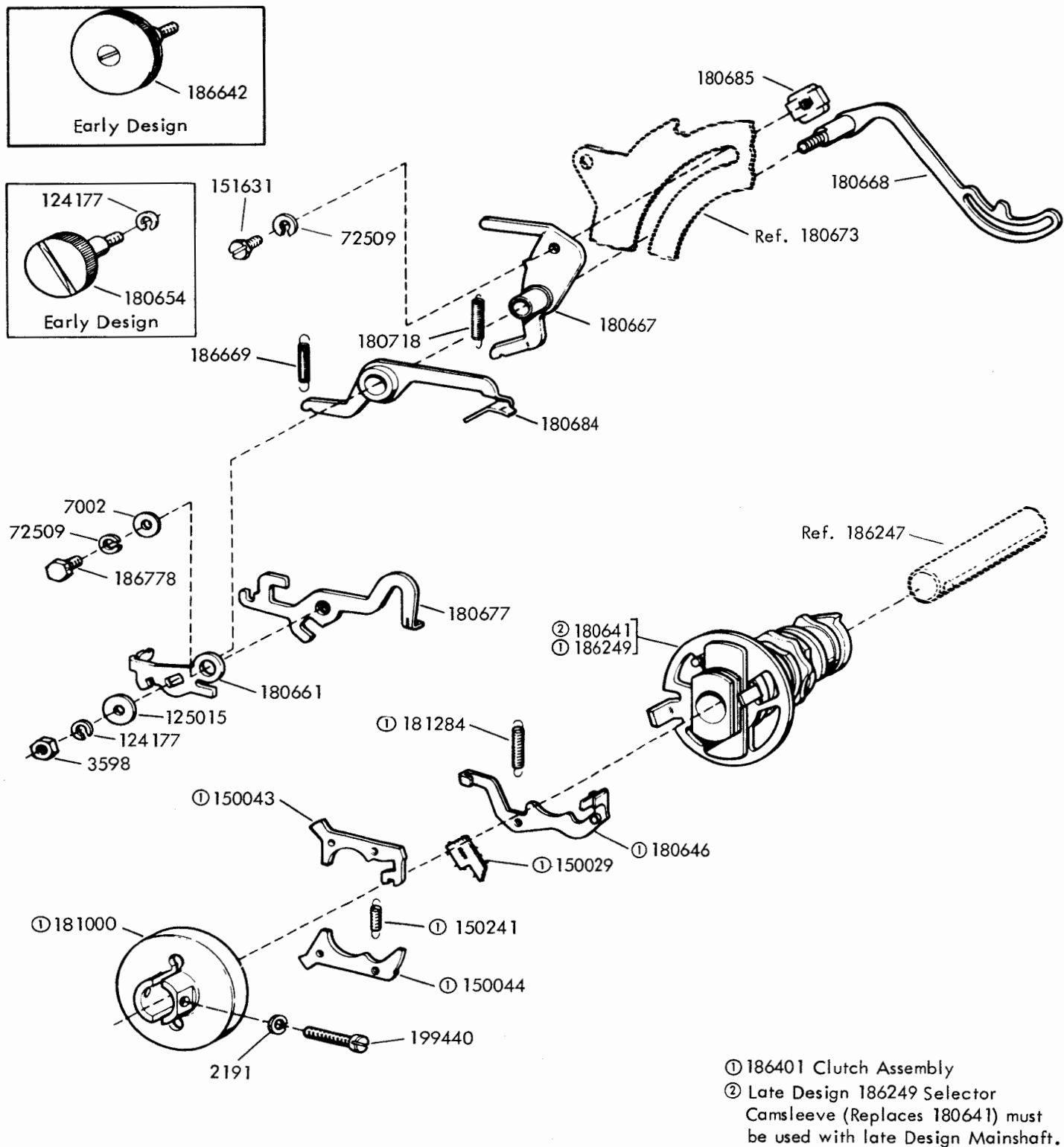


Fig. 16 - Clutch and Camsleeve Mechanism

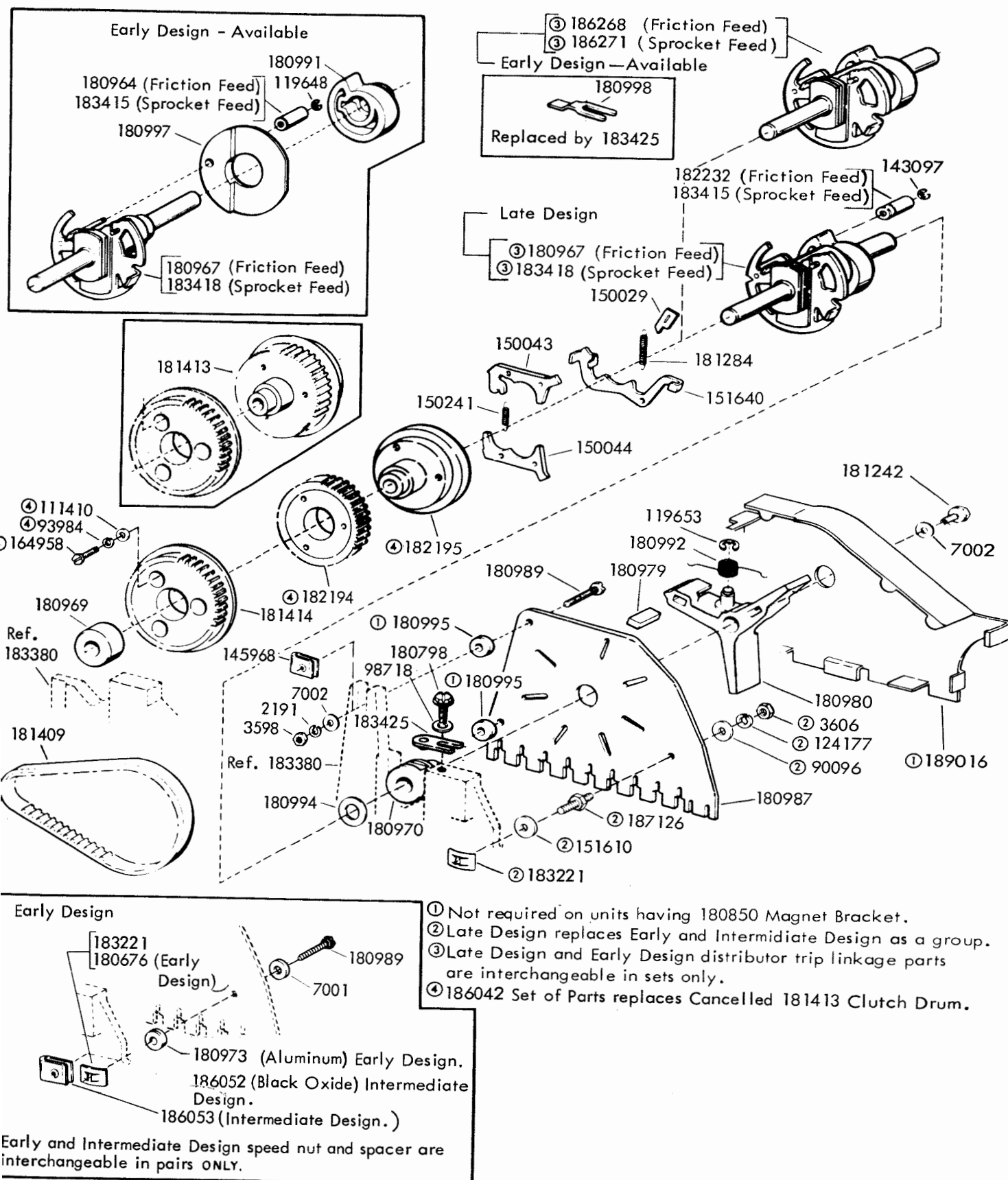


Fig. 17 - Distributor Clutch Mechanism

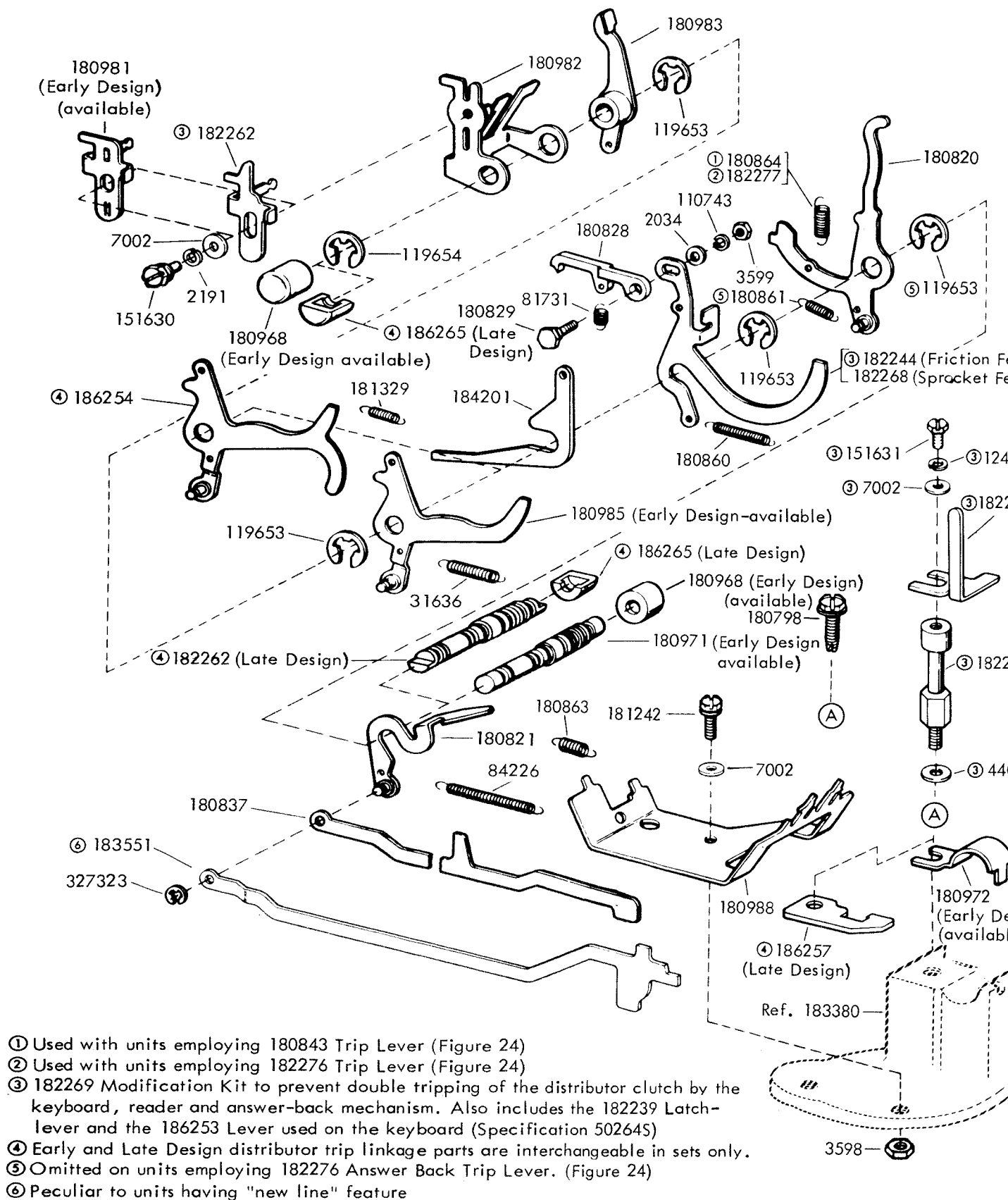


Fig. 18 - Trip Shaft Mechanism

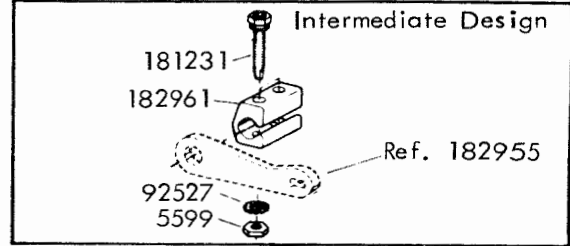
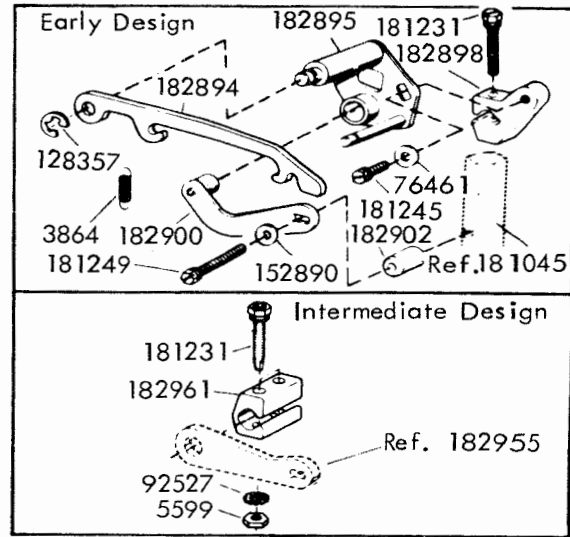
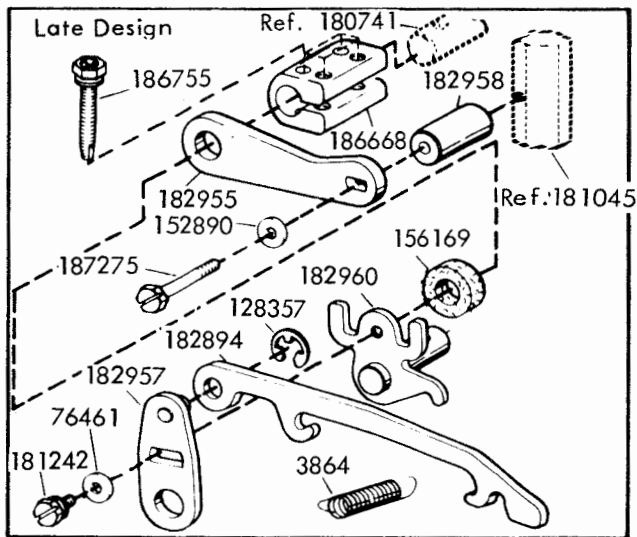
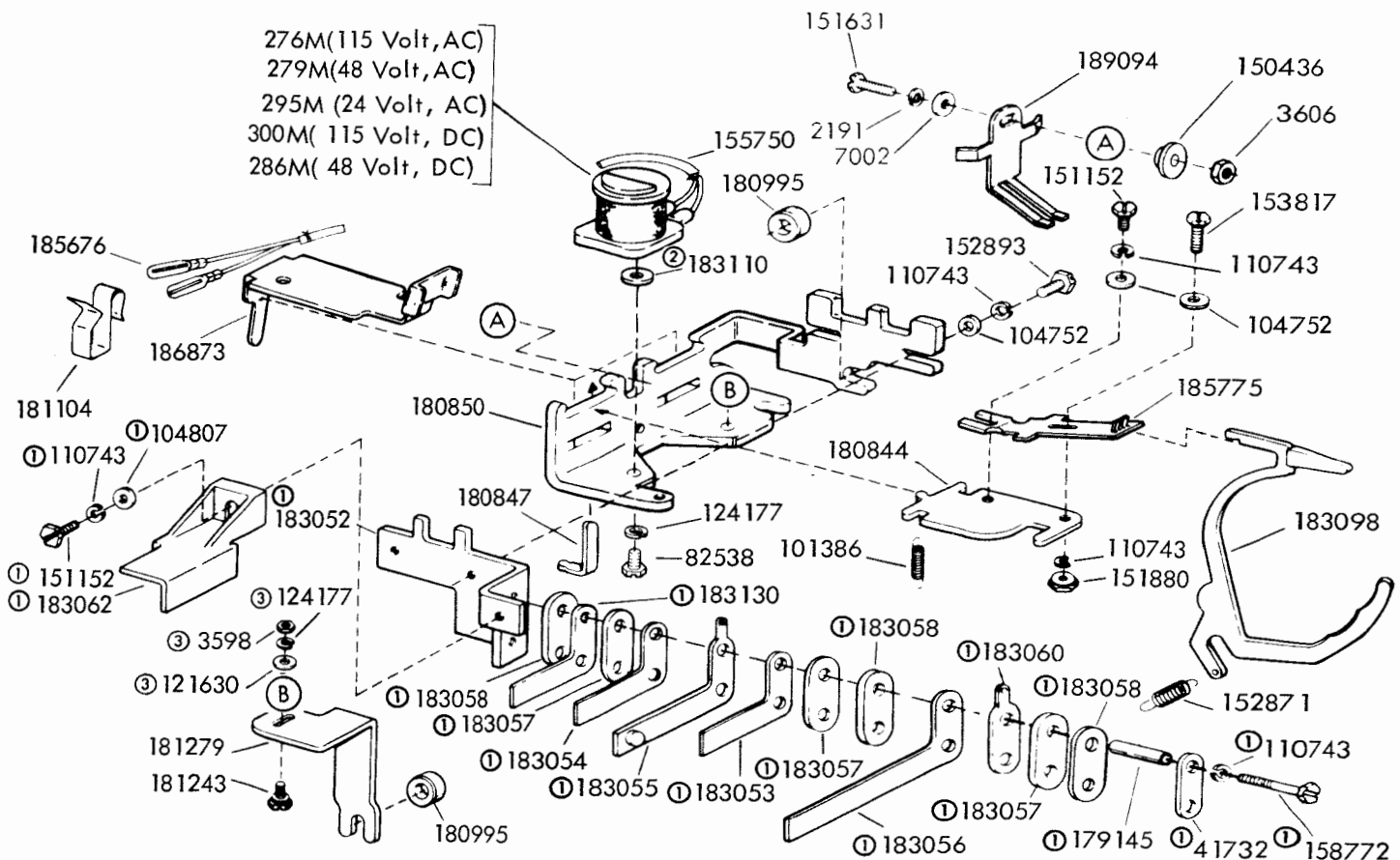


Fig. 19 - 182964 Drive Arm Assembly



- ① 182137 Contact Assembly
- ② Used with 279M and 300M only
- ③ Not used when Answer-Back Trip Magnet is used.
- ④ No Longer available, use 300M.

Fig. 20 - Clutch Trip Mechanism

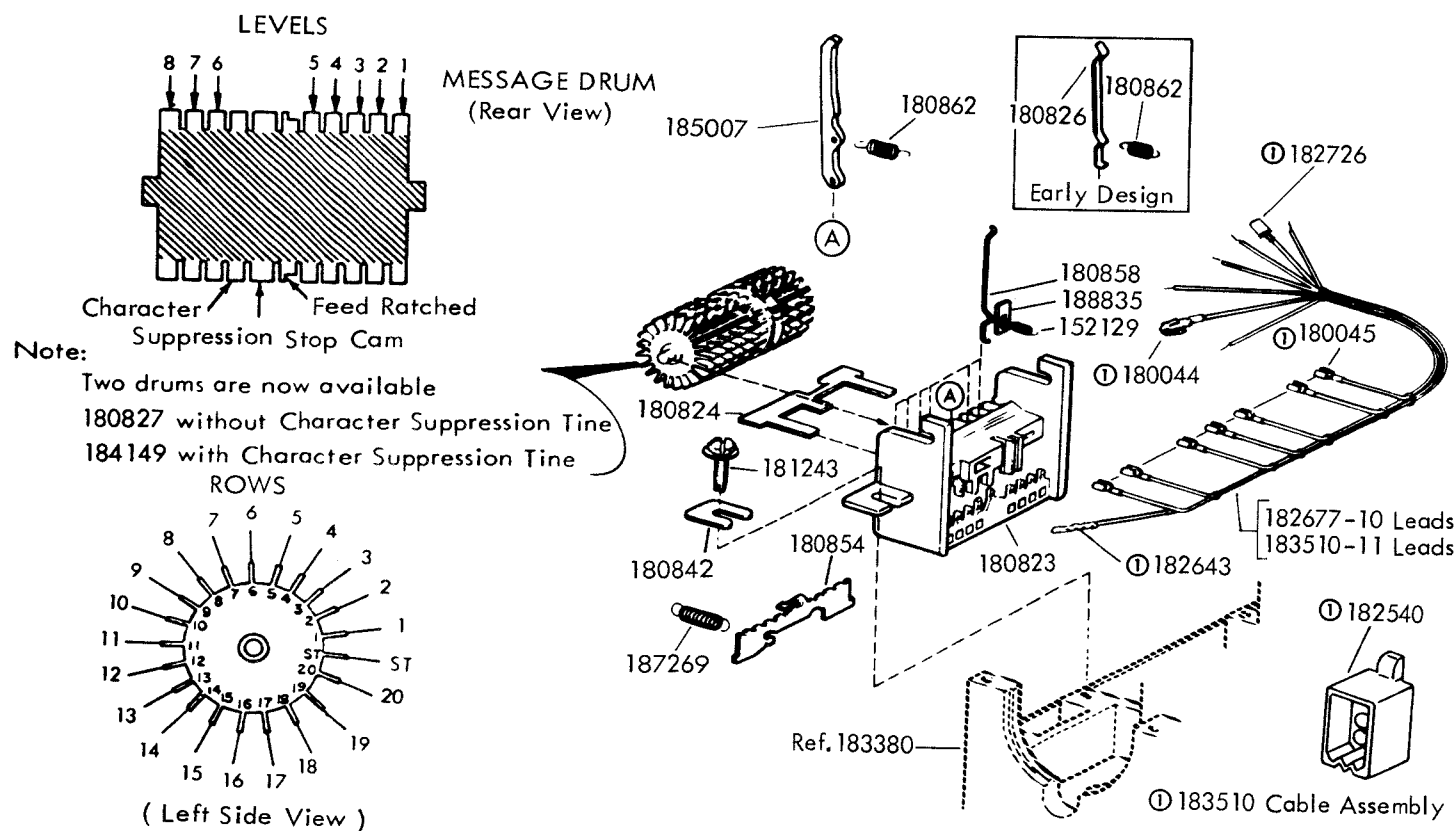


Fig. 21 - Answer-Back Drum Mechanism

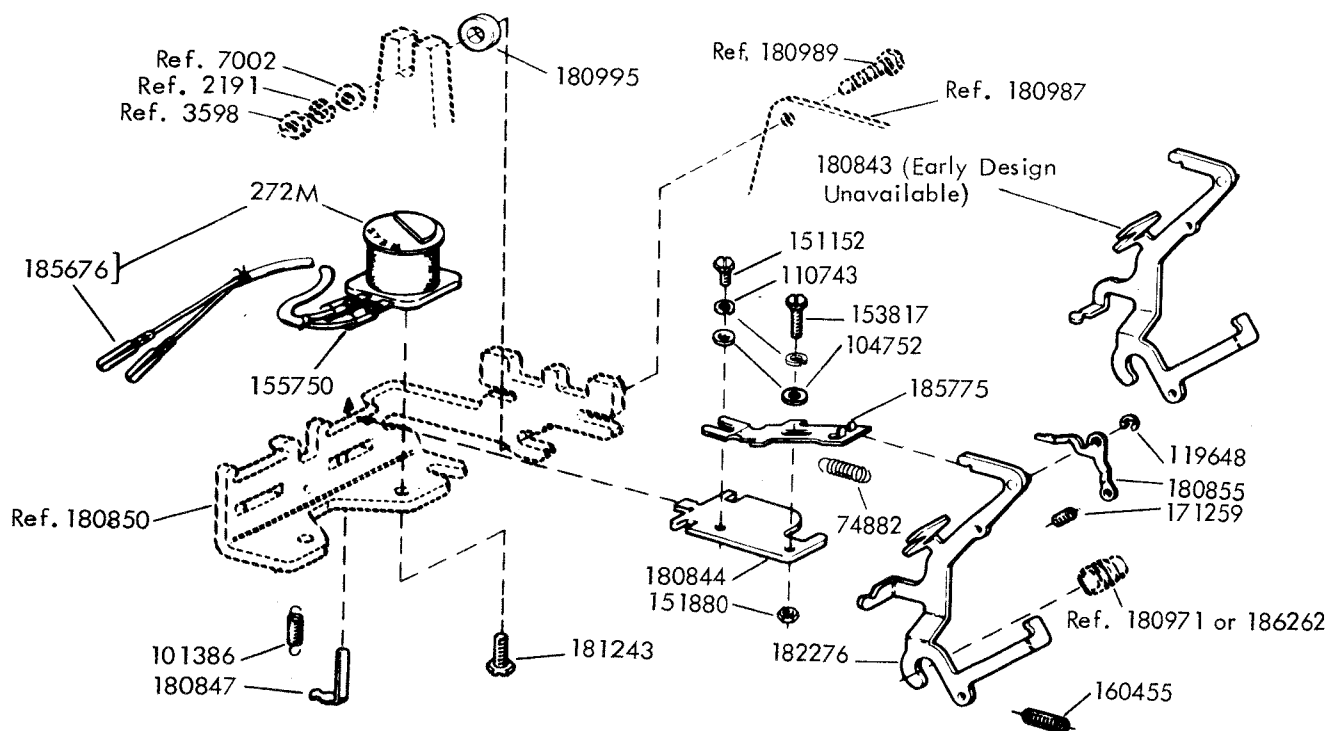


Fig. 22 - Answer-Back Trip Magnet Mechanism

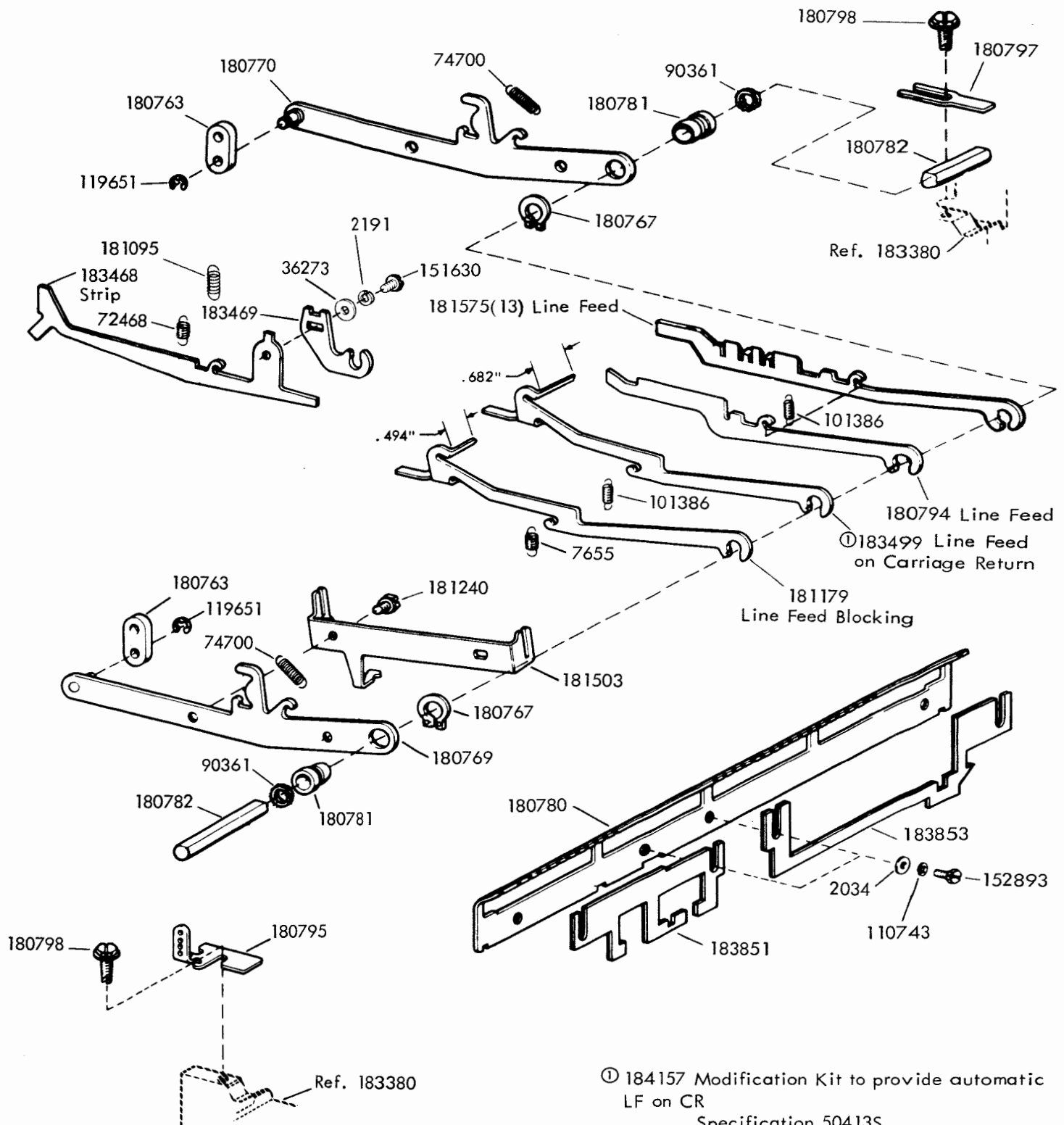
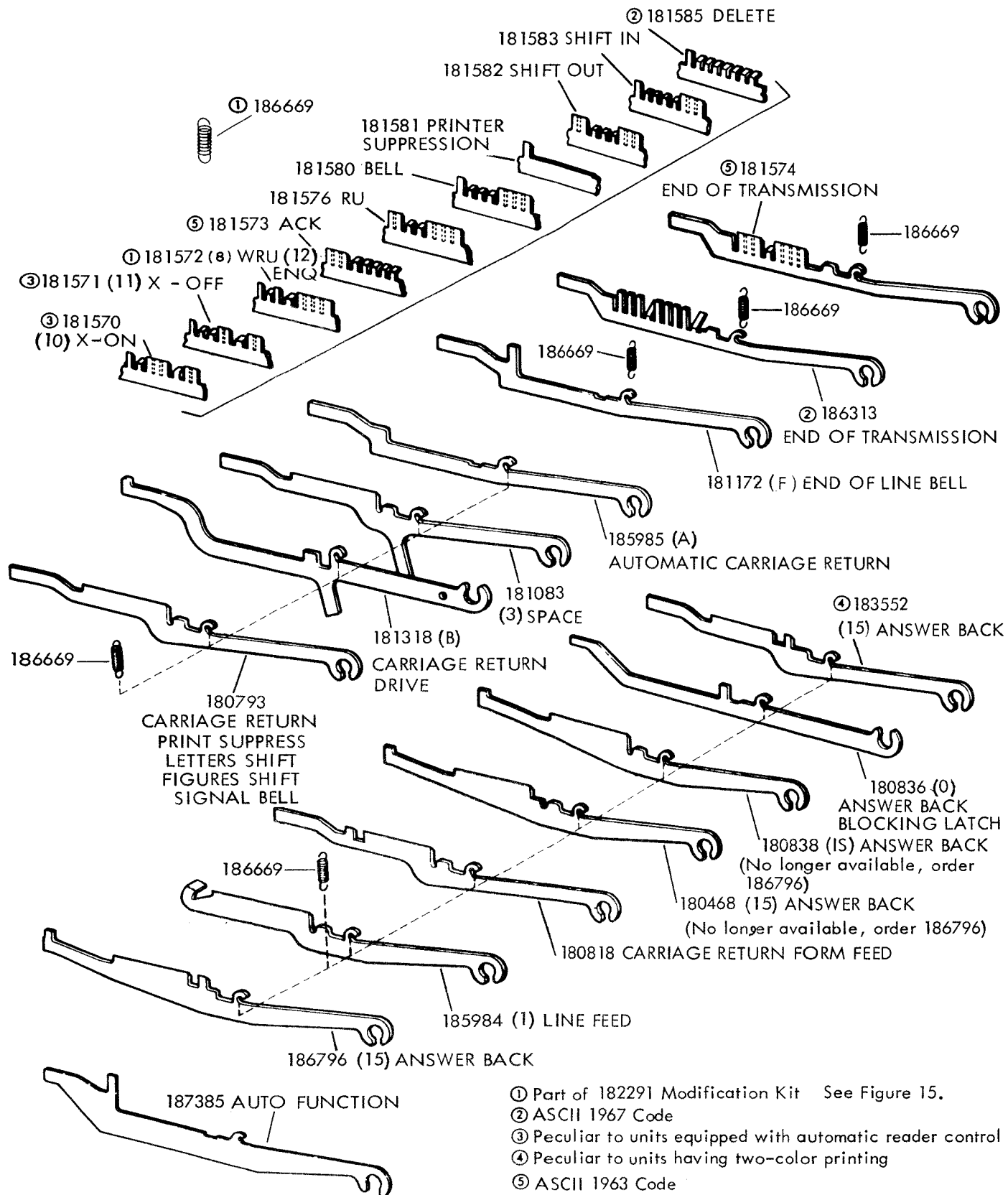
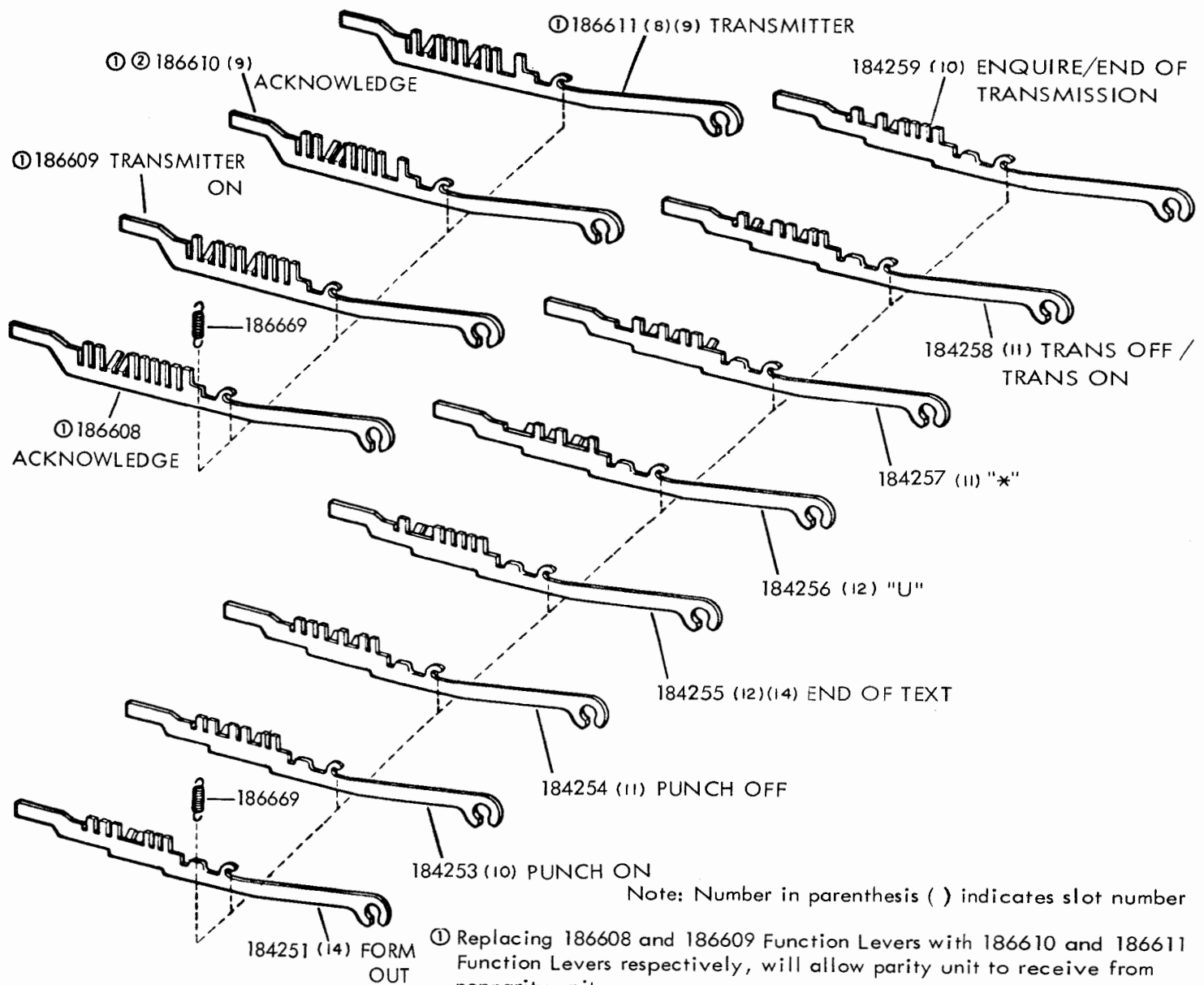


Fig. 23 - Line Feed Function Lever Mechanism



NOTE: Number or letter in parenthesis () indicates slot number

Fig. 24 - Function Levers



① Replacing 186608 and 186609 Function Levers with 186610 and 186611 Function Levers respectively, will allow parity unit to receive from nonparity unit.

② ASCII 1967 Code

③ Coding a 180801 Uncoded Universal Function Lever, To perform a special function or contact closure, is to be done before installation of part. For 8 level usage starting at pivoted end, the tines are numbered 8,6,7,5,4,3,2,1 and PS, tines 6 and 7 are not in numerical order. Choose the code combination the lever is to respond to. Note marking pulses. Break off the straight tines whose number corresponds to the marking pulses. Break off the bent tines whose number corresponds to the spacing pulses.

PS-Refers to Print Suppression and is broken off when printing is desired.

On eight level codes, break both tines on position 8 unless respond to parity level (8th) is required.

③ Part of 182290 Modification Kit - See Figure 14.

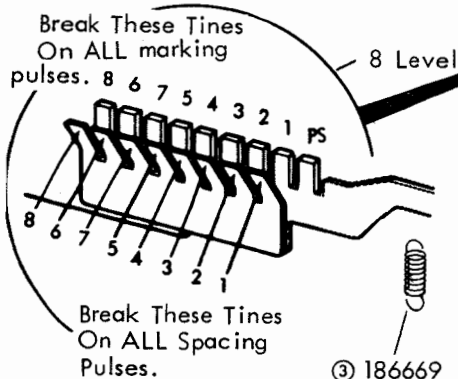


Fig. 24 - Function Levers (Cont)

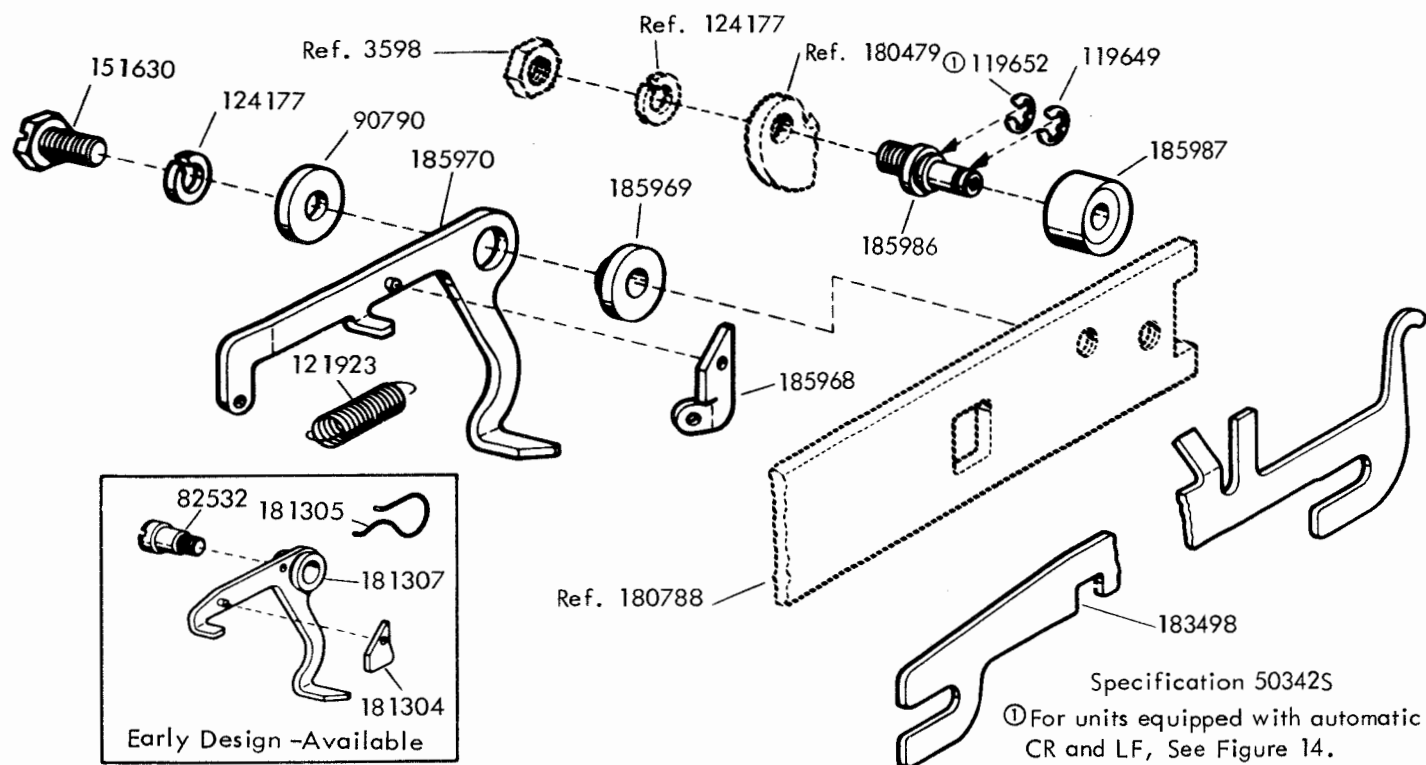


Fig. 25 - 185971 Modification Kit to Provide Printer With a Margin Bell to Ring On Approximately The 61st Character

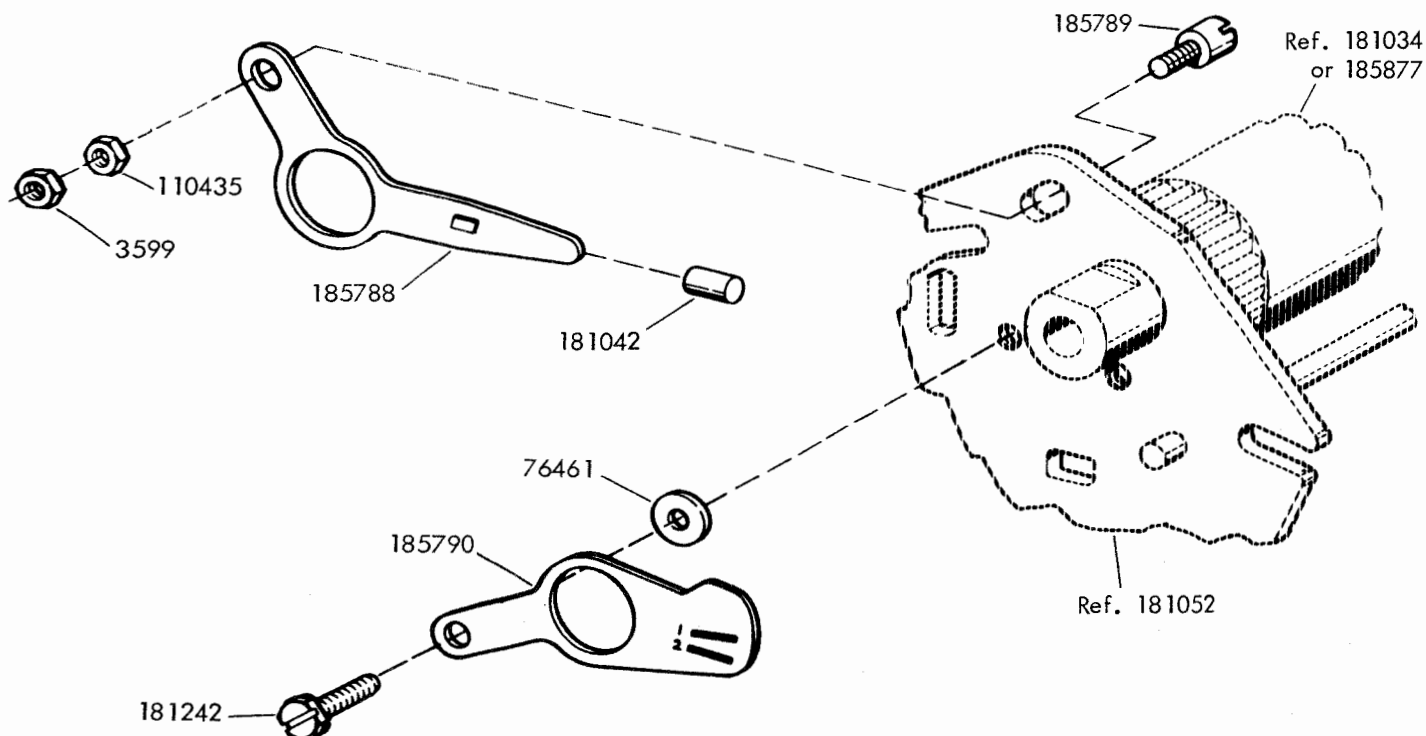


Fig. 26 - 185791 Modification Kit to Provide Controller Single or Double Line Feed Feature on Friction Feed Printer

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① Only deviations from the basic typewheel "RJ" are shown. A blank space indicated that the character for that position is identical to the basic typewheel.
Note: All other arrangements are deviations from the basic typewheel "MA" solid square (■) indicates printing is suppressed in this position.

Fig. 27 - Typewheel Chart (Cont)

① Only deviations from the basic typewheel "RJ" are shown. A blank space indicated that the character for that position is identical to the basic typewheel.
Note: All other arrangements are deviations from the basic typewheel "MA" solid square (■) indicates printing is suppressed in this position.

Fig. 27 - Typewheel Chart (Cont)

TYPEWHEEL	PART NO.	POSITION	CHARACTER																																															
TD	185508	UNSHIFT	TD																																															
		SHIFT	^ - " ' ? *																																															
① TE	185509	UNSHIFT	TE																																															
		SHIFT	~ 10 ↓ ≠ → ^ 0																																															
TF	185510	UNSHIFT	TF																																															
		SHIFT	≈ ó ð ÷ + - 0 1 2 ú - í d () = / → .																																															
TG	185511	UNSHIFT	TG																																															
		SHIFT	-																																															
① TH	185512	UNSHIFT	TH																																															
		SHIFT	} £																																															
TJ	185513	UNSHIFT	TJ																																															
		SHIFT	≠ - ÷ £ ?																																															
① TK	185514	UNSHIFT	TK																																															
		SHIFT	□ ◁ ' ° ' . -																																															
TL	185515	UNSHIFT	TL																																															
		SHIFT	б ч д ф г ч и ж л н п щ р с у в ш б' з і ! . , ? - d ' - ъ s r z q w j																																															
① TM	185516	UNSHIFT	TM																																															
		SHIFT	ä ö å ^ -																																															
TN	185517	UNSHIFT	TN																																															
		SHIFT	м ° m																																															
TP	185518	UNSHIFT	TP																																															
		SHIFT	- £ ' ?																																															
TR	185519	UNSHIFT	TR																																															
		SHIFT	^ - ?																																															
TS	185520	UNSHIFT	TS																																															
		SHIFT	•+ ø +																																															
TU	185522	UNSHIFT	TU																																															
		SHIFT	◀ ◻																																															
TV	185523	UNSHIFT	TV																																															
		SHIFT	◻ ^ - " ' *																																															
TX	185525	UNSHIFT	TX																																															
		SHIFT	4 1 2 3 ø 2 5 6 7 8 9																																															
TY	185526	UNSHIFT	TY																																															
		SHIFT	① ② ③ ⊕																																															
TZ	185527	UNSHIFT	TZ																																															
		SHIFT	1/2 3/8 3/4 1/4 1/8 5/8 7/8																																															
① UA	185528	UNSHIFT	UA																																															
		SHIFT	◻ ^ - ' ø																																															
① UB	185529	UNSHIFT	UB																																															
		SHIFT	ø																																															
UC	185530	UNSHIFT	UC																																															
		SHIFT	↓ ↑ ◻ Δ ■ √ ∩																																															

① Only deviations from the basic typewheel "RJ" are shown. A blank space indicates that the character for that position is identical to the basic typewheel.
Note: All other arrangements are deviations from the basic typewheel "MA" solid square (■) indicates printing is suppressed in this position.

Fig. 27 - Typewheel Chart (Cont)

[illegible]

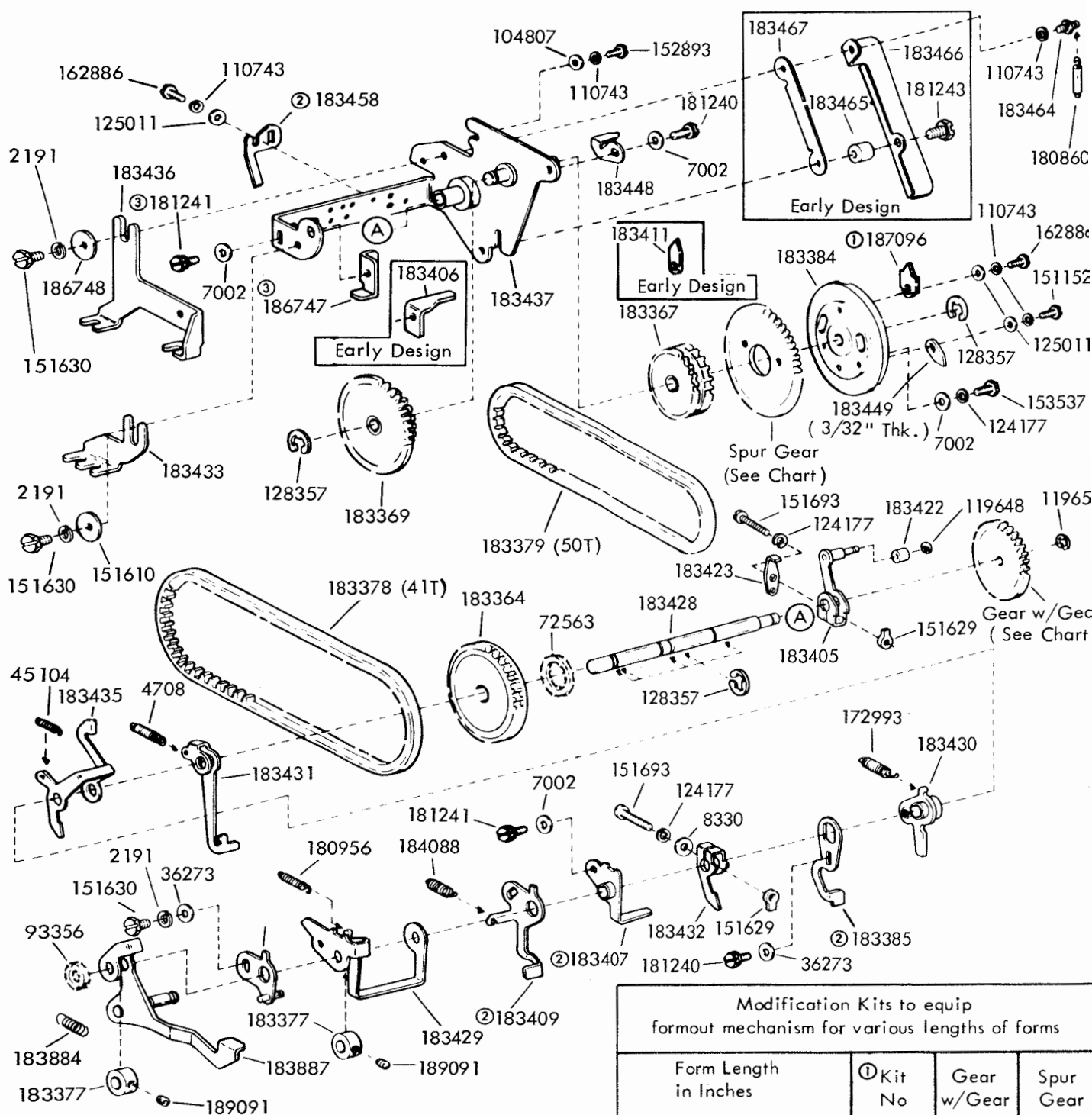
⑦ Only deviations from the basic typewheel "R_J" are shown. A blank space indicates that the character for that position is identical to the basic typewheel.

Note: All other arrangements are deviations from the basic typewheel "MA"

Fig. 27 - Typewheel Chart (Cont)

33	32	31	30	29	28	27		34	35	42	41	40	39	38	37
7	6	5	4	3	2	1	16	8	9	10	11	12	13	14	15
33	32	31	30	29	28	27	36	34	35	42	41	40	39	38	37
23	22	21	20	19	18	17	16	24	25	26	11	12	13	14	15

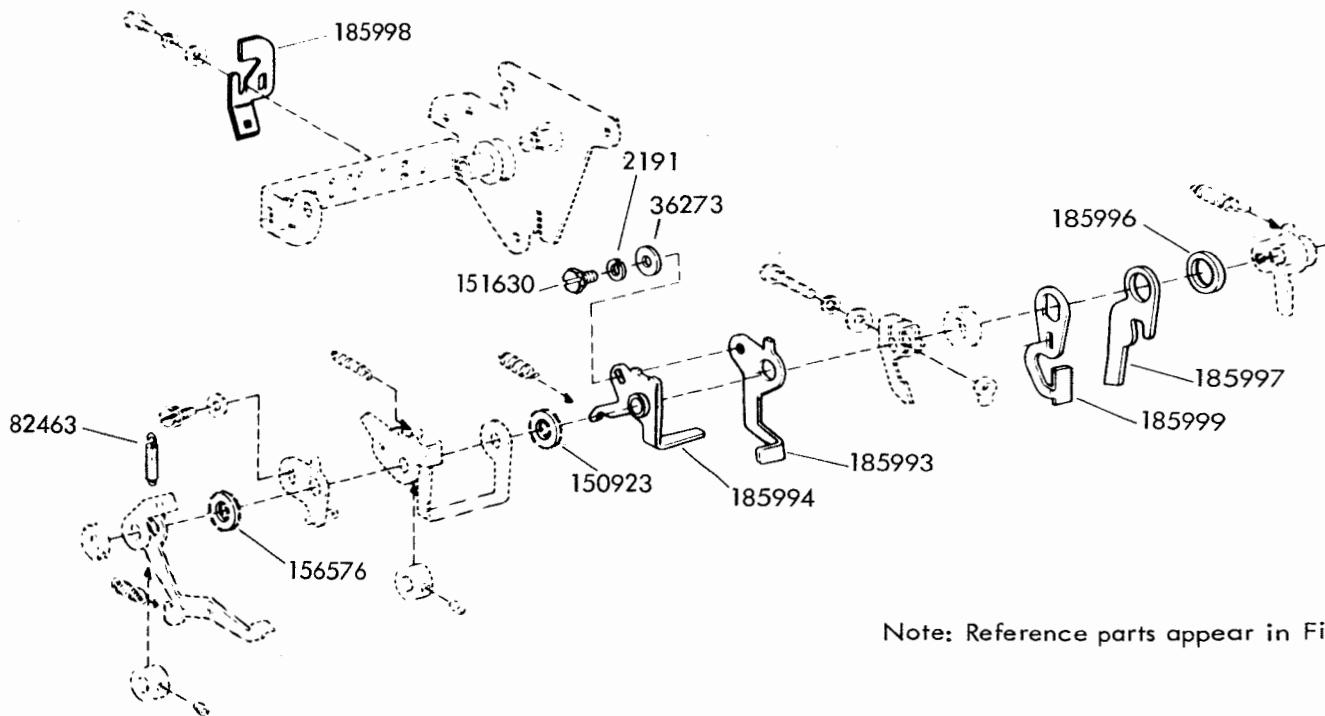
**SHIFT**



- ① The required number of 183411 Early Design and 187096 Late Design Cam Plates and mounting hardware is furnished with each kit. (Specification 50410 S)
- ② Early Design parts. See Figure 31 for Late Design.
- ③ Cancelled

Modification Kits to equip formout mechanism for various lengths of forms					
Form Length in Inches			① Kit No	Gear w/Gear	Spur Gear
11	5-1/2	3-2/3	183877	183391	183398
9	4-1/2	3	183878	183392	183399
7	3-1/2	2-1/3	183879	183393	183400
8	4	2-2/3	183880	183394	183401
8 1/2		2-5/6	183881	183395	183402
10	5	3-1/3	183882	183396	183403
6			183883	183397	183404

Fig. 28 - Formout Mechanism-Sprocket Feed



Note: Reference parts appear in Figure 28

Fig. 29 - Later Design Formout Mechanism-Sprocket Feed

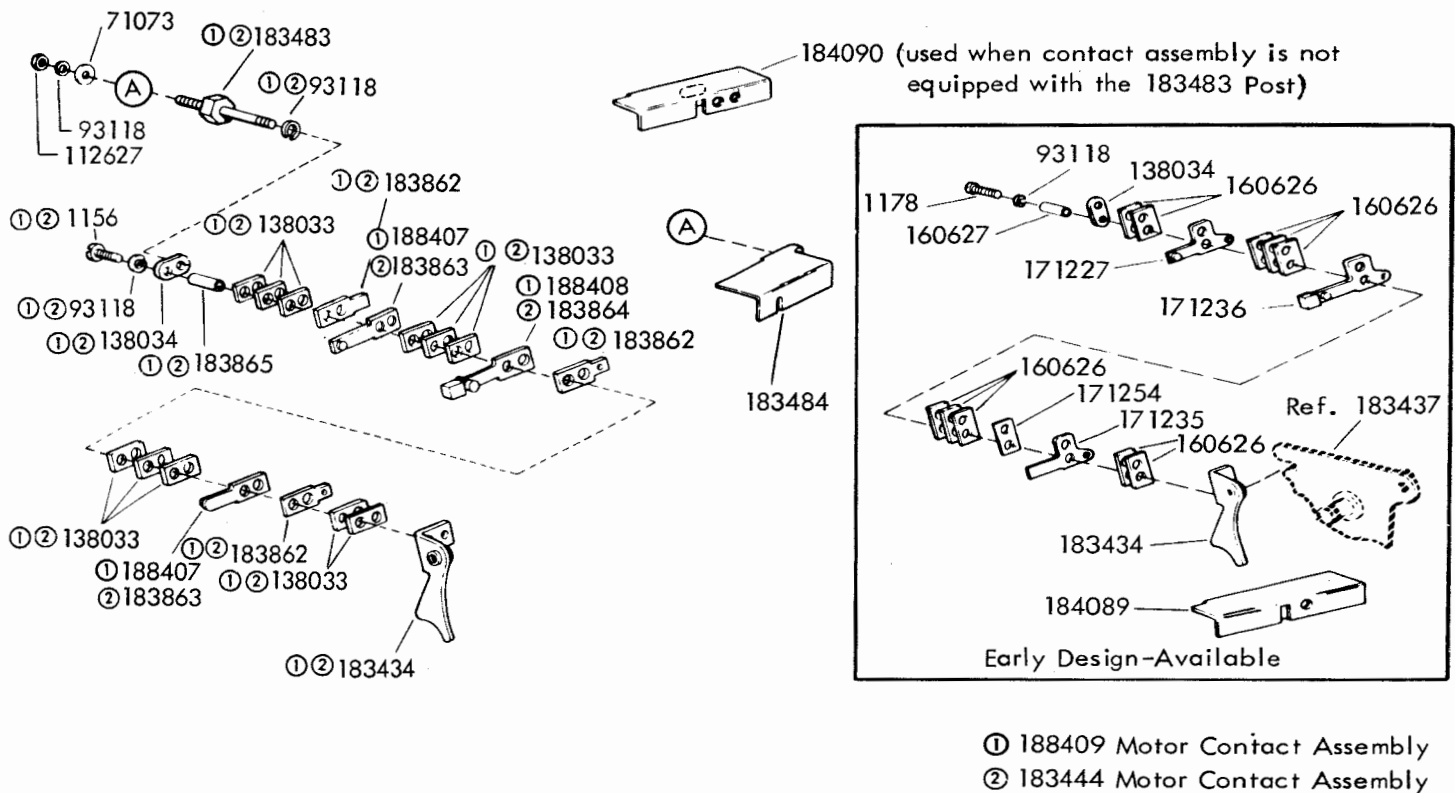


Fig. 30 - Formout Contact-Sprocked Feed

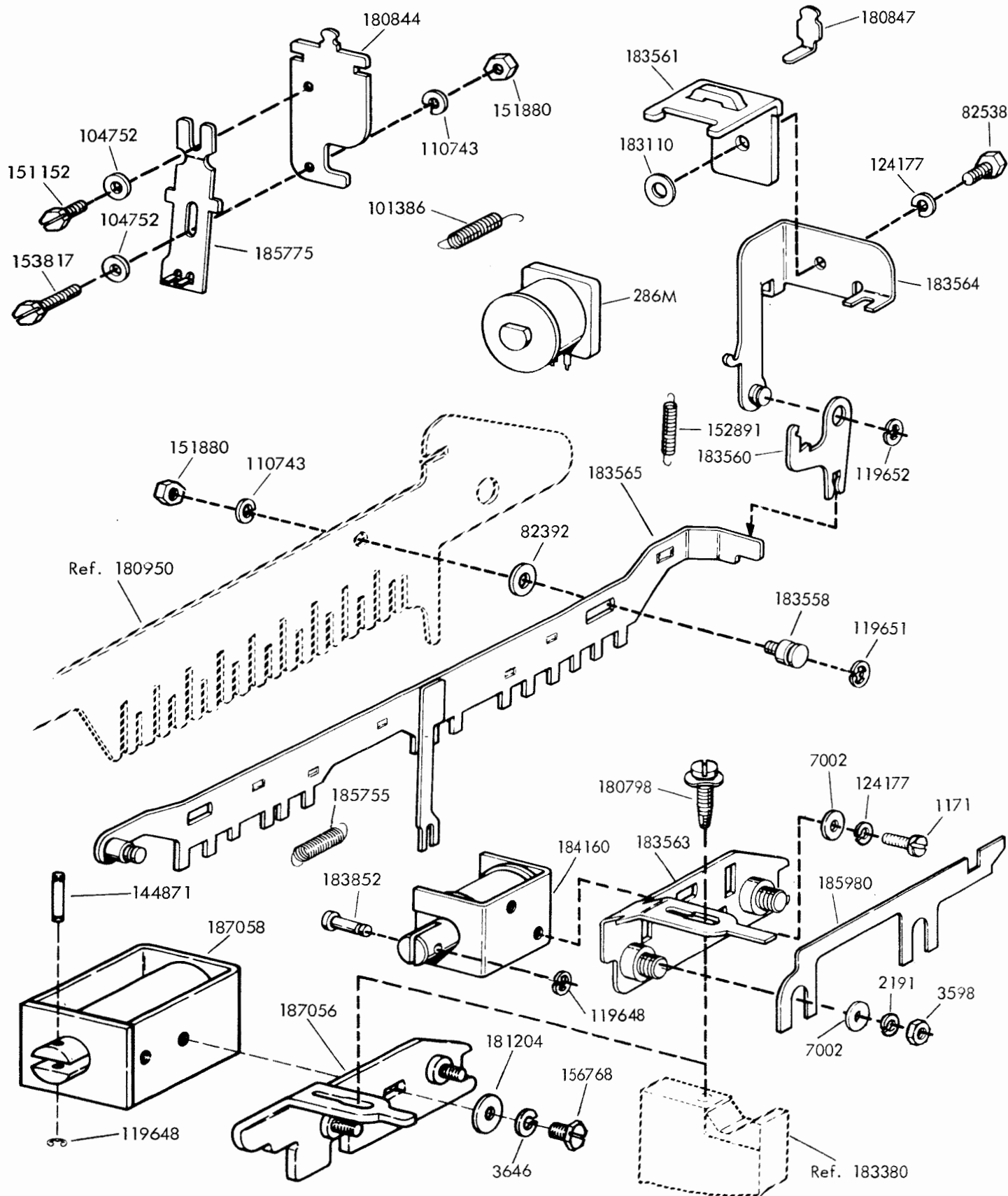


Fig. 31 - Solenoid Print-NonPrint Reset Mechanisms

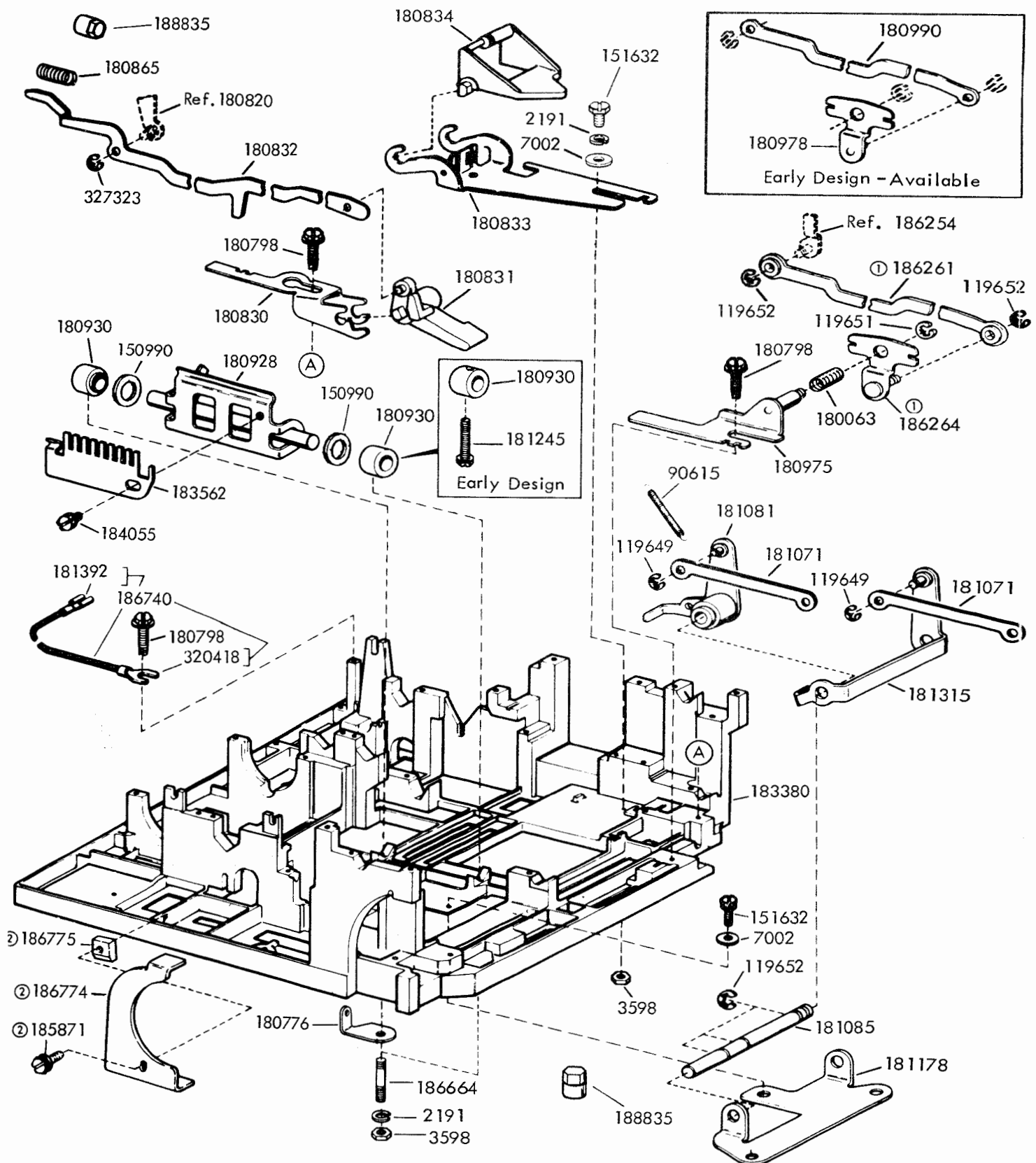


Fig. 32 - Bases

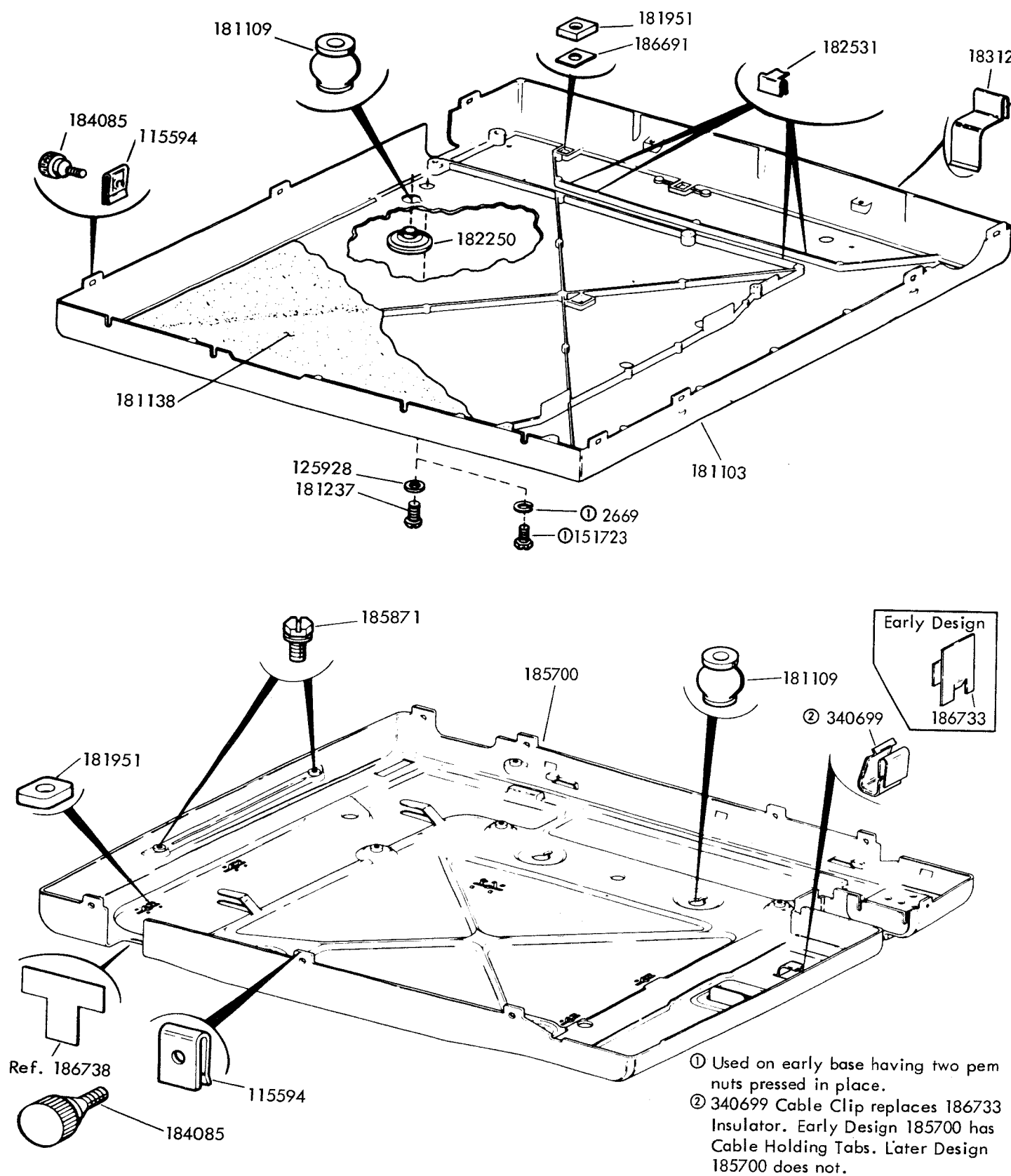


Fig. 33 - Sub Bases

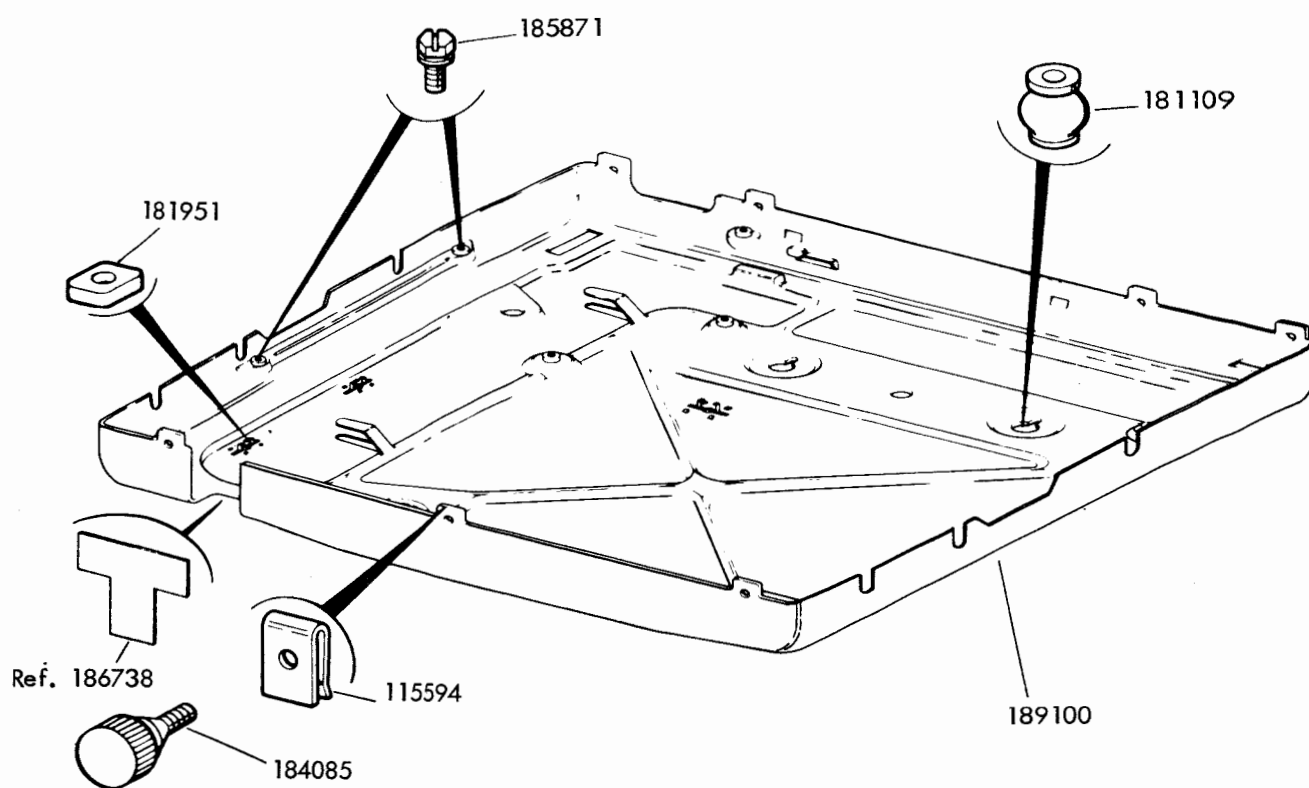


Fig. 33 - Sub Bases (Cont)

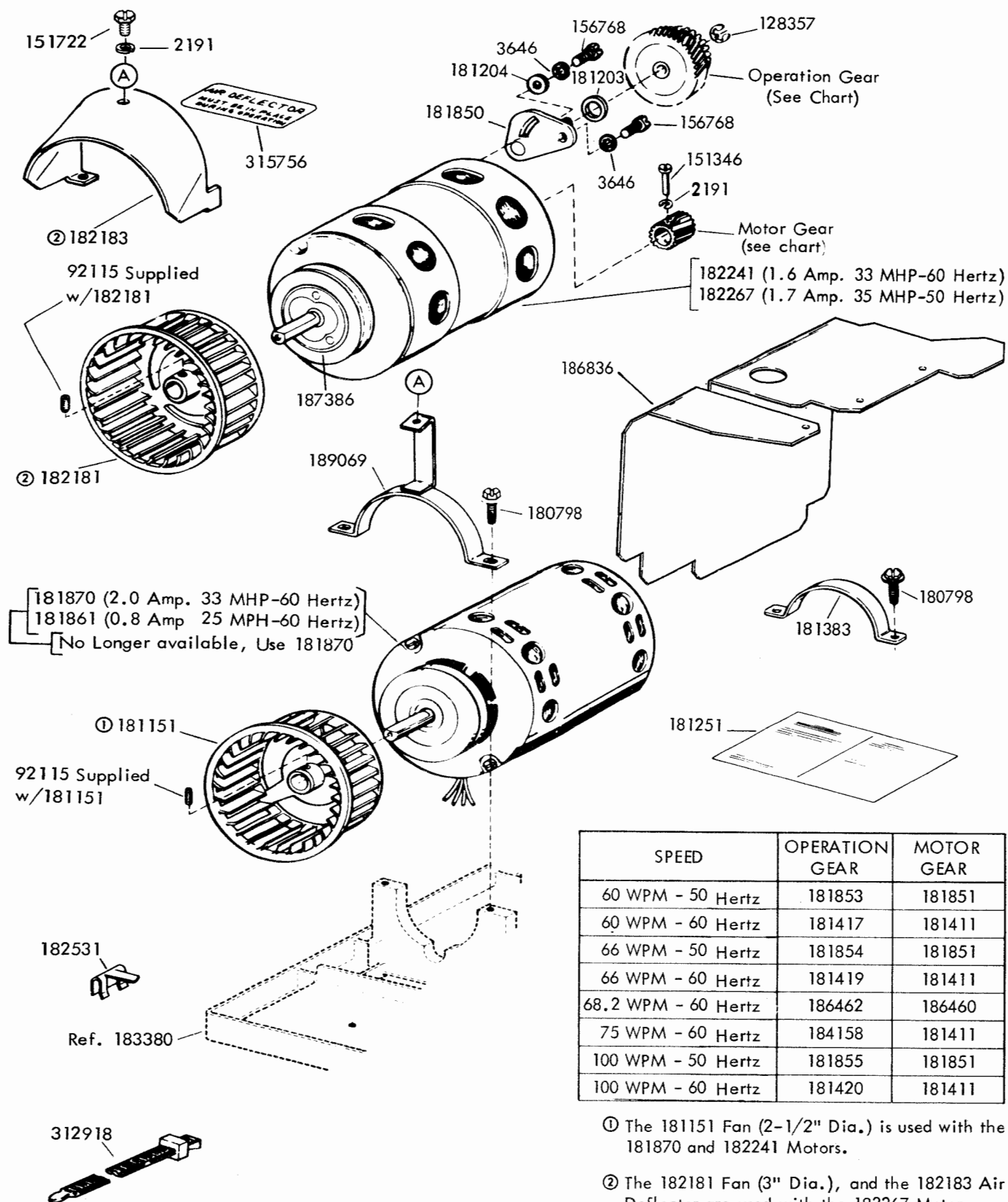


Fig. 34 - Motors

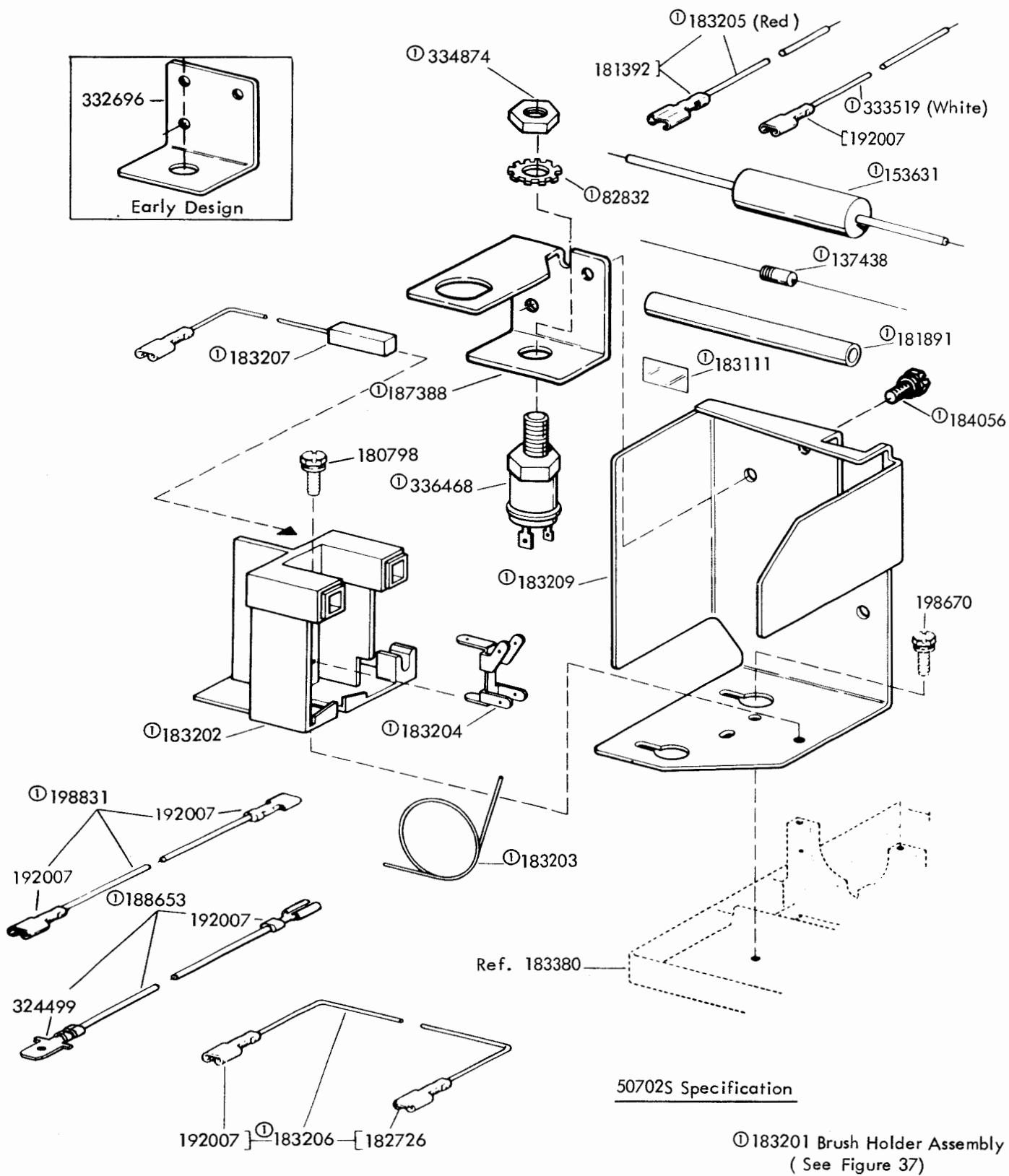


Fig. 35 - 333521 Motor Assembly (Cont)

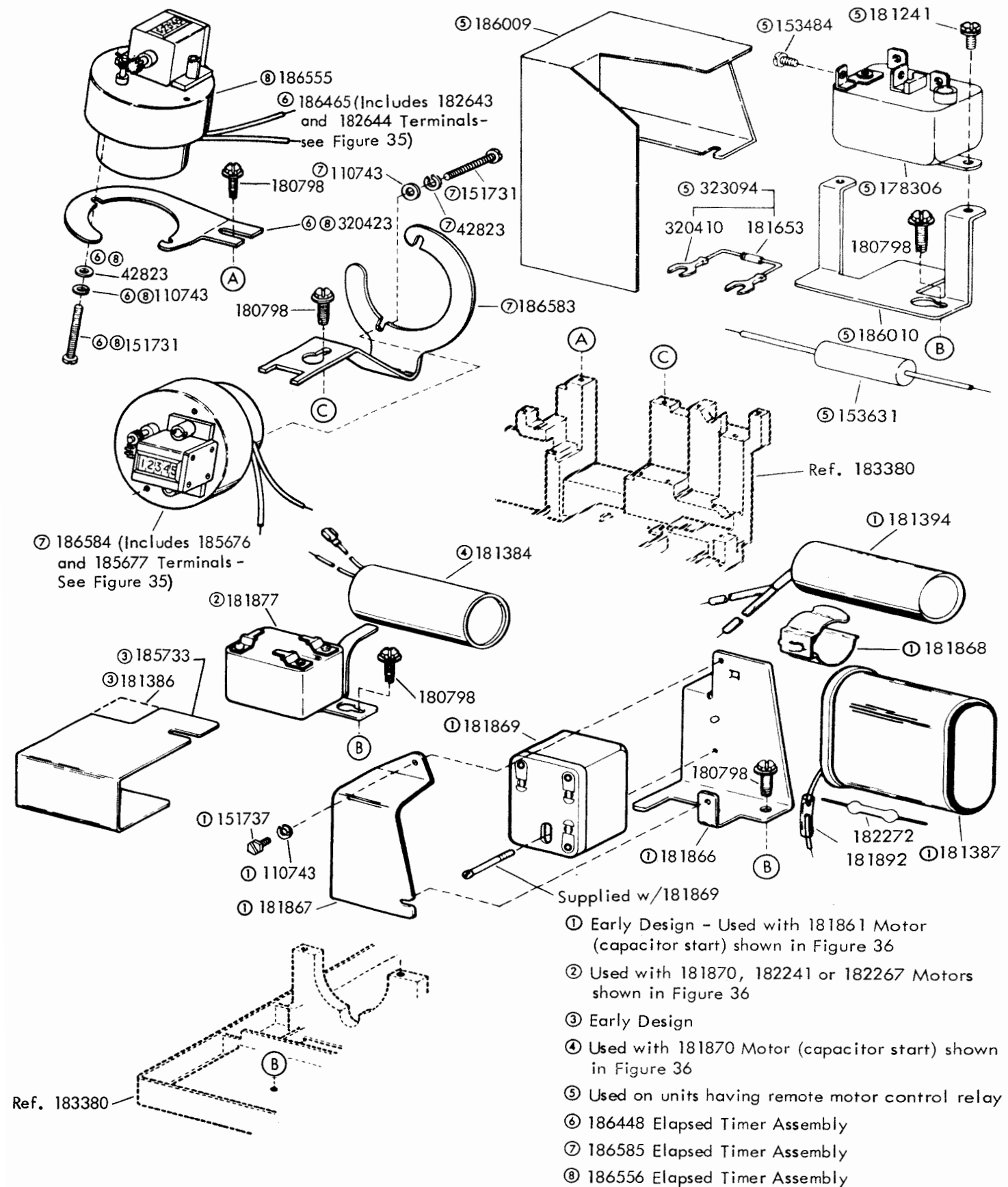


Fig. 36 - Electrical Components

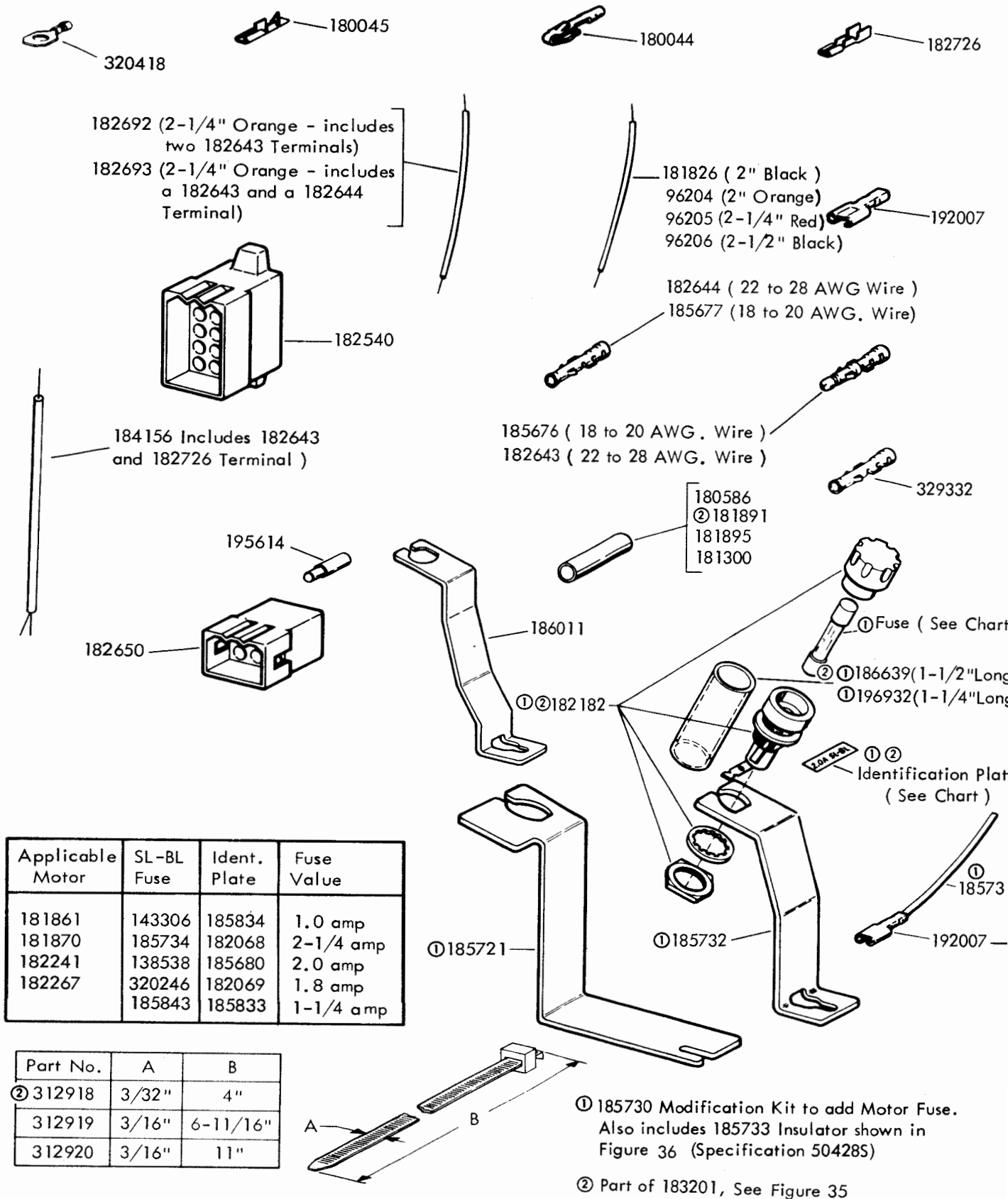


Fig. 37 - Cable Components

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
272M	Coil, Magnet 22	72563	Washer, Felt 34	104807	Washer, Flat 7,21,34
276M	Coil, Magnet 21	74547	Collar 13	107116	Lockwasher 6
279M	Coil, Magnet 21	74700	Spring 3,23	110435	Nut, 4-40 Hex 2,26,41
286M	Coil, Magnet 21,36	74701	Spring, 3,10,12	110743	Lockwasher 4,6,7,9,10,14, 15,17,20 to 23,34,36,41, 43
295M	Coil, Magnet 21	74716	Bushing, Insulating 17		
300M	Coil, Magnet 21	74882	Spring, 22		
1036	Nut, 6-40 Hex 2	76099	Washer, Flat 8	111410	Washer, Flat 9,19
1156	Screw, 2-56 x 9/16 Fil 35	76422	Spring 13	112127	Hinge 17
1164	Screw, 2-56 x 3/16 Fil 5	76461	Washer, Flat 2,21,26	112128	Retainer 17
1171	Screw, 6-32 x 3/16 Fil 36	80273	Washer, Felt 12	112620	Screw, 4-40 x 1/2 Hex 16
1178	Screw, 2-56 x 7/16 Fil 5,35	80758	Spring 3	112626	Nut, 10-32 Hex 6
1210	Screw, 2-56 x 5/8 Fil 5	80945	Spring 13	112627	Nut, 2-56 Hex 35
2034	Washer, Flat 6,10,20,23	81726	Terminal 12	112630	Spring 3
2167	Ball, Bearing 9	81731	Spring 7,8,20	112634	Spring 6
2191	Lockwasher 2,4,5,7,9 to 16,18 to 23,34 to 37,40,41	82392	Shim, .004" Thk 14,36	112284	Plate 17
2669	Lockwasher 6,38	82463	Spring 35	114107	Spring 10
3598	Nut, 6-40 Hex 2,4,6 to 10, 14,16 to 22,26,36,37	82532	Screw, 6-40 Shoulder 26	115594	Nut, Speed 38,39
3599	Nut, 4-40 Hex 2,4,6,7,9,10, 15,20,26	82538	Screw, 6-40 x 5/16 Hex 21,36	119421	Washer, Flat 2,5
3606	Nut, 6-40 Hex 2,8,19,21	82547	Insulator, 0.94" Thk 17	119648	Ring, Retaining 8,10,19, 22,34,36
3608	Spring 6	82548	Insulator .062" Thk 17	119649	Ring, Retaining 3,4,7 to 10,13,15 to 17,26,37
3640	Lockwasher 17,41	83832	Lockwasher 41	119650	Ring, Retaining 3
3646	Lockwasher 2,5,36,40,41	83877	Spring 10,17	119651	Ring, Retaining 2,3,4,6 to 8,10 to 12,14,23,34,36,37
3864	Spring 21	84226	Spring 3,10	119652	Ring, Retaining 36,37
4703	Spring 10	84575	Spring 3,8,10,14	119653	Ring, Retaining 6,19,20
4708	Spring 34	86283	Spring 15	119654	Ring, Retaining 6,20
5599	Nut, 8-32 Hex 21	87398	Washer, Flat 4	120595	Follower, Cam 17
7001	Washer, Flat 19	90096	Washer, Insulating 19	121018	Nut, 4-40 Hex 9
7002	Washer, Flat 2 to 10,13, 15,17 to 22, 33,36,37	90361	Washer, Felt 23	121100	Spring 17
7655	Spring 23	90432	Washer, Flat 10	121630	Washer, Flat 21
8330	Washer, Flat 13,34	90615	Spring 10,37	121923	Spring 26
31636	Spring 4,5,20	90790	Washer, Flat 10,15,16,26	124177	Lockwasher 2 to 5, 7 to 10,14,16 to 21,26,34,36
33765	Washer, Flat 3	91120	Spring 3	124612	Screw, 8-32 x 1/2 Hex 2
36273	Washer, Flat 12,23,34,35	92115	Setscrew, 8-32 40	124681	Setscrew, 6-40 6,13
36351	Spring 14	92260	Lockwasher 11,12	125011	Washer, Flat 15,17,34
41732	Plate, Clamp 21	93527	Lockwasher 11,12	125015	Washer, Flat 9,14,16,17, 18
42661	Spring 10	92527	Lockwasher 21	125112	Screw, 2-56 x 1/8 Fil 17
42823	Washer, Flat 43	93117	Lockwasher 3,5,16	125181	Screw, 2-56 x 2/8 Fil 16
44048	Washer, Flat 3,16,20	93118	Lockwasher 5,17,35	125252	Spring 15
45027	Spring 8	93356	Washer, Felt 34	125802	Washer, Flat 15,41
45104	Spring 34	93984	Lockwasher 19	125928	Washer, Flat 35,38
49054	Screw, 2-56 x 3/16 Flat 6	93985	Lockwasher 2,3,5,16	128357	Ring, Retaining 21,34
49420	Spring 15	96204	Jumper, 2" Orange 44	137438	Resistor, 100 Ohm 41
70388	Spring 10	96205R	Jumper, 2-1/4" 44	138033	Insulator, .031" Thk 5, 35
71073	Washer, Flat 5,16,17,35	96206BK	Jumper, 2-1/2" 44	138034	Plate, Clamp 4,35
71681	Spool, Ribbon 6	98718	Washer, Flat 19	143097	Ring, Retaining 19
72468	Spring, 23	98833	Screw, 4-40 x 31/32 Fil 41		
72509	Lockwasher 18	100759	Screw, 4-40 x 3/16 Flat 11		
		101386	Spring 4,17,21,22,23,36		
		104752	Washer, Flat 21,22,36		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
143306	Fuse, SL-BL 1 Amp 44	152890	Washer, Flat 21	178306	Relay, Power 43
144871	Shaft, Solenoid Plunger 36	152891	Spring 36	179145	Bushing, Insulating 21
145887	Spring, Contact 17	152893	Screw, 4-40 x 1/4 Hex 15, 17,21,23,34,41	180044	Terminal, Tab Type 22,44
145968	Nut, No. 6 Speed 19	153267	Washer, Felt 6	180045	Terminal, Tab Type 22,44
150026	Lever, Shoe Release 11,12	153484	Screw, 6-32 Spl 43	180063	Spring, Compression 37
150029	Wick, Felt 11,12,18,19	153537	Screw, 6-40 x 9/32 Hex 34	180463	Post, Bail Pivot 10
150040	Screw, 6-40 x 5/8 Fil 13	153631	Network, Spark Suppression 42,43	180464	Pulley, Carriage Return Spring 10
140043	Shoe, Secondary Clutch 11,12,18,19	153799	Screw, 4-40 x 21/64 Hex 6	180466	Ring, Retaining 9
150044	Shoe, Primary Clutch 11,12,18,19	153817	Screw, 4-40 x 3/8 Hex 4,6,21,22,36	180467	Bearing, Ball 9
150241	Spring 11,12,18,19	153839	Screw, 6-40 x 5/8 Hex 11,12	180468	Bearing, Bail 9,24
150436	Bushing, 21	155750	Sleeve, 3/32 ID x 1/2" Lg, Insulating 21,22	180469	Link 8,9
150830	Bushing, Shoulder 12	156169	Washer, Felt 21	180470	Roller 8
150857	Clamp 41	256509	Washer, Flat 10	180471	Block 9
150923	Washer, Felt 35	156536	Screw, 4-40 x 1/8 Fil 9	180473	Shaft 9
150930	Washer, Felt 11,12,16	156558	Washer, Felt 10	180474	Stud 9
150990	Washer, Felt 37	156572	Washer, Felt 9	180475	Bushing 9
151152	Screw, 4-40 x 3/16 Hex 6, 7,9,10,21,22,34,36	156576	Washer, Felt 35	180476	Screw, 6-40 Spl 8
151346	Screw, 6-40 x 3/8 Fil 40, 41	156768	Screw, 8-32 x 9/32 Hex 40,41,36	180477	Bracket 8
151397	Spring 17	157899	Arm, NC Contact 15	180478	Guide, Nylon 8
151413	Washer, Flat 10	158186	Screw, 4-40 x 7/32 Fil 4	180479	Bracket 8,26
151603	Spacer 17	158189	Washer, Felt 10	180480	Arm w/Stud 9
151610	Washer, Flat 19,34	158772	Screw, 4-40 x 5/8 Hex 21,41	180482	Arm w/Shaft 7
151618	Screw, 6-40 x 7/16 Fil 11,12	160455	Spring 22	180483	Arm, Stop 8
151629	Nut, 6-40 Lug 6,13,34	160626	Insulator .031" Thk 35	180484	Arm,Stop 8
151630	Nut, 6-40 x 1/4 Hex 9,10, 13,17,20,23,26,34,35	160627	Bushing, Insulating 35	180485	Arm w/Spring 9
151631	Screw, 6-40 x 5/16 Hex 3, 16,18,20,21	161100	Spring, Contact 17	180486	Link 8
151632	Screw, 6-40 x 3/8 Hex 37	161346	Washer, Felt 10	180487	Stud 9
151640	Lever, Shoe Release 19	161347	Washer, Felt 16	180488	Shaft 7
151688	Screw, 4-40 x 5/8 Fil 41	162573	Retainer 12	180489	Lever w/Pin 6
151693	Screw, 6-40 x 9/16 Fil 7, 34	162881	Plate 17	180491	Shaft 9
151722	Screw, 6-40 x 3/16 Hex 4,5,40	162886	Screw, 4-40 x 7/32 Hex 34	180492	Arm 8
151723	Screw, 10-32 x 3/8 Hex 38	164958	Screw, 4-40 x 1/2 Hex 19	180493	Lever, Trip 8
151731	Screw, 4-40 x 7/8 Hex 43	171227	Spring, Contact 35	180495	Link, Ribbon 7
151737	Screw, 4-40 x 11/64 Hex 43	171235	Spring, Contact 35	180496	Arm, Stop 8
151880	Nut, 4-40 Hex 36	171236	Spring, Contact 35	180497	Spring, Print Hammer 7
152129	Spring 22	171254	Insulator, 0.15" Thk 35	180498	Bracket 6
152425	Post, Spring 17	171259	Spring 22	180500	Frame 6,7,8,9
152426	Nut, 6-40 Self-Locking 17	172591	Spring, Contact Arm 15	180501	Arm w/Stud 7,8
152441	Washer, Flat 4,10	172993	Spring 34	180502	Head, Print Hammer 7
152871	Spring 21	173807	Setscrew, 6-40 4	180503	Shaft w/Spacer 7,9
		174034	Screw, 4-40 x 13/16 Hex 17	180505	Plate, Left Guide 7
		177219	Post 5	180506	Plate, Right Guide 7
				180508	Stud, Eccentric 8
				180509	Slide, No. 3 Pulse 8
				180510	Slide, Common 8
				180511	Slide, No. 1 & No. 2 Pulse 8
				180512	Slide w/Plate 8
				180513	Slide, No. 5 Pulse 8
				180514	Slide, No. 4 Pulse 8

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
180517	Lever, Latch 8	180608	Bracket, Left 2,5	180751	Arm w/Stud 16
180518	Plate 7	180610	Shield 7	180752	Lever, Function 16
180519	Rack 7	180641	Camsleeve 11,12,18	180754	Hub 16
180520	Arm 8	180642	Pushbar 17	180755	Hub 16
180521	Slide, Print Suppression 8	180643	Lever, Blocking 17	180761	Ring, Retaining 16
180522	Bushing 8	180644	Lever, Blocking 17	180763	Link 23
180526	Bail w/Stud 2,5,9	180645	Lever, Selector 17	180767	Ring, Retaining 13,15,23
180528	Lever w/Hub 9	180646	Lever, Shoe Release 18	180768	Ring, Retaining 11,12
180534	Plate, Guide 7	180648	Arm, Follower 13	180769	Link, Left 23
180537	Link 8	180649	Spring 17	180770	Link, Right 23
180538	Shaft 8	180654	Knob, Range 18	180771	Arm 15
180539	Bail w/Stud 8	180655	Plate, Side 17	180772	Shaft 15
180540	Bail, Print Hammer 7,8	180657	Bracket, Guide 17	180773	Plate 15
180541	Plate w/Posts 6,7	180658	Shaft, Guide 17	180774	Arm, Eccentric Follower 11, 12
180543	Base, Ribbon Unit 6	180661	Bracket 18	180776	Bracket 37
180544	Bail, Drive 10	180663	Scale, Range 17	180777	Arm, Drive 16
180545	Bracket 10	180667	Plate w/Bushing 18	180778	Plate 15
180546	Post 10	180668	Follower, Cam 18	180779	Bracket 15
180447	Stud, Eccentric 6	180669	Locklever, Spacing 17	180780	Blade 23
180548	Plate 7	180671	Lever, Start 17	180781	Hub 15,23
180549	Bracket 7	180672	Bail 17	180782	Shaft, Pivot 234
180552	Post 7	180673	Plate, Front 17,18	180793	Casting, Function Box 15
180553	Spring 9	180675	Screw, No. 6 Self-Tapping 17	180788	Plate, Rear Rail 15,26
180554	Bushing 7	180676	Nut, No. 6 Speed 17,19	180789	Roller 15
180556	Plate, Gauge 9	180677	Arm, Trip 18	180791	Arm w/Stud 15
180557	Lever w/Stud 8	180678	Plate, Spring 17	180792	Pawl, Function 15
180558	Collar 8	180682	Upstop 10	180793	Lever 24
180559	Shaft 8	180684	Latchlever 18	180794	Lever, Line Feed 23
180562	Link, Left Ribbon 7	180685	Nut, 6-40 Spl 18	180795	Bracket, Spring 23
180563	Stud, Eccentric 7	180688	Core, Magnet 17	180796	Clamp 15
180564	Bracket, Lock 7	180691	Plate 17	180797	Clamp 10,16,23
180566	Hub w/Pinion 9	180692	Spring, Flat 17	180798	Screw, 8-32 Self-Tapping 2,5,6,10,11,12,14,15,16, 19,20,23,36 to 43
180568	Bracket, Guide 7	180704	Armature 17	180801	Lever w/Bracket 25
180569	Spring, Compression 7	180710	Plate w/Post 17	180806	Camsleeve 11
180574	Stud, Eccentric 9	180715	Coil, Magnet 17	180807	Camsleeve 11,12
180575	Bearing, Ball 9,16	180717	Spring 17	180808	Spacer, .050" Thk 11
180576	Bearing, Ball 9	180718	Spring 18	180809	Arm 16
180578	Bracket w/Post 10	180719	Spring 17	180813	Paul, Function 15
180479	Bracket w/Hub 9	180721	Wick, Felt 17	180818	Lever, Function 24
180480	Lever w/Stud 8,9	180727	Washer, Flat 17	180820	Lever, Control 20,37
180581	Roller, Typewheel 7	180728	Spring 17	180821	Lever w/Stud 20
180584	Lever 9	180740	Bail 15	180823	Block, Contact 22
180585	Spring, 8	180741	Shaft, Function 16,21	180824	Contact, Common 22
180586	Sleeve, 5/32 ID x 21/32 Lg Insulating 8,44	180742	Roller 16	180826	Lever, Detent 22
180591	Spring 7	180744	Collar 6,16	180827	Drum, Answer Back 22
180595	Setscrew, 4-40 8	180745	Arm w/Stud 16	180828	Pawl, Feed 20
180598	Typewheel, MA27	180746	Arm w/Bushing 11,12,16	180829	Screw, 4-40 Shoulder 20
180606	Bail 9	180748	Arm w/Stud 16	180830	Bracket 37
180607	Arm, Adjusting 9	180749	Arm w/Stud 16		
		180750	Arm w/Stud 16		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
180831	Lever 37	180970	Bearing 19	181040	Pawl, Detent 2,4
180832	Link, Tie 37	180971	Shaft, Trip 20,22	181041	Retainer 2,4
180833	Bracket, Adjusting 37	180972	Clamp, Buffer 20	181042	Tip, Rubber 2,3,26
180834	Tripbail 37	180973	Disc, Spacer 19	181044	Roller, Pressure 3
180835	Pawl, AB Blocking 15	180975	Bracket w/Stud 37	181045	Post, Support 2,5,21
180836	Lever, Blocking Function 24	180978	Lever w/Stud 37	181048	Bracket, Stop 2
180837	Link, Blocking 20	180979	Brush, Carbon 19	181049	Arm, Right 3
180838	Lever, Function 24	180980	Holder, Brush 19	181050	Arm, Left 3
180842	Spacer, .050" Thk 22	180981	Arm, Stop 20	181051	Bracket, Left 3
180843	Lever, Trip 20,22	180982	Tripbail 20	181052	Plate 2,26
180844	Armature 21,22,36	180983	Latchlever 20	181053	Bail, Paper Straightener 3
180847	Bracket, Spring 21,22,36	180985	Lever, Follower 20	181054	Shaft, Pressure 3
180850	Bracket, Magnet 19,21,22	180987	Disc 29,22	181055	Bar 2,3
180854	Brace 22	180988	Bracket, Spring 20	181056	Guideplate, Pressure 3
180855	Latch, Blocking 22	180989	Screw, No. 6 Spl 19,22	181055	Bar 2,3
180858	Contact, Wire 22	180990	Link Keyboard 37	181056	Guideplate, Presseure Roller 3
180860	Spring 15,20,34	180991	Cam, Blocking 18	181057	Bracket, Right 3
180861	Spring 20	180992	Spring, Torsion 19	181058	Guideplate, Paper 3
180862	Spring 22	180994	Spacer, .015" Thk 19	181062	Eccentric, Toggle Link 10
180863	Spring 15,20	180995	Spacer, .114" Thk 19,21, 22	181065	Pawl, Check 10
180864	Spring, Extension 20	180997	Disc w/Plate 19	181066	Shaft, Spacing Drum 6
180865	Coil, Adjusting 37	180998	Clamp 16,19	181067	Pawl, Feed 10
180922	Spring 14	180999	Bearing, Left 16	181068	Lever w/Post 10
180923	Bracket w/Studs 14	181000	Drum, Clutch 11,12,18	181069	Drum, Spacing 6
180926	Ring, Retaining 14	181001	Bearing 11,12	181070	Lever, Suppression 10
180927	Ring, Retaining 13	181002	Bearing 11,12	181071	Link 10,37
180928	Bail 37	181003	Latchlever 13	181072	Bracket w/Post 6
180930	Bearing 37	181004	Hub 13	181074	Pulley 6
180932	Codebar, No. 8-1 14	181005	Link, Carriage 10,11	181075	Belt, 127T 6
180933	Codebar, No. 8-2 14	181006	Bushing 13	181076	Roller 10
180934	Codebar, No. 8-3 14	181007	Shaft, Main 11	181077	Ratchet, Spacing 6
180935	Codebar, No. 8-4 14	181008	Collar 11,12	181078	Stud 10
180936	Codebar, No. 8-5 14	181010	Lever w/Stud 13	181079	Washer, Flat 6
180937	Codebar, No. 8-6 14	181011	Lever w/Nut 13	181081	Arm w/Hub and Post 37
180938	Codebar, No. 7 14	181012	Spacer 13	181082	Eccentric, Toggle Link 10
180939	Codebar, No. 8 14	181013	Spacer, .453" Thk 13	181083	Lever 24
180947	Codebar, Spring Suppres- sion 14	181014	Grommet, Rubber 13	181084	Bracket 6
180948	Codebar, Auto CR & EOL Bell 14	181015	Gear 35T 11,12	181085	Shaft 37
180949	Bracket, Rear Tie 14	181017	Plate 13	181086	Lever w/Hub 10
180950	Bracket, Front Tie 14,36	181018	Shaft 13	181088	Post 10
180956	Spring 4,14,34	181019	Lever, Trip 13	181089	Arm w/Hub 10
180957	Bracket, Spring 14	181020	Lever 13	181091	Link w/Post, Toggle 10
180958	Nut, 6-40 Lug 17	181021	Spacer, .406" Thk 13	181092	Bracket, Belt 6
180959	Bracket 17	181022	Bracket, Left 11,12,13	181093	Bracket, Extension 6
180964	Roller 19	181023	Bracket, Right 13	181094	Bracket w/Post 10
180967	Shaft, Distributor 19	181028	Camsleeve 11	181095	Spring 23
180968	Buffer 20	181030	Bracket w/Stud 2	181103	Cover, Base 38
180969	Bearing 19	181034	Platen 2,26	181104	Clip. Cable 5,21
		181037	Bracket, Right 2	181109	Mount, Vibration 38,39
		181038	Bracket, Left 2,5,9	181111	Pawl, Feed 6

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
181114	Lever 6	181245	Screw w/Lockwasher, 6-40 x 1/2 Hex 2,21,37	181420	Pulley w/54T Gear, 17T 40
181115	Stud 6	181246	Screw w/Lockwasher, 6-40 x 5/8 Hex 13	181424	Nut, 6-40 Sq 11,12
181117	Pawl, Retaining 6	181249	Screw w/Locwasher, 6-40 x 1 Hex 21	181425	Plate 11
181118	Spring 6	181250	Screw, No. 2 Self-Tapping 15	181426	Plate, Spacer 11
181119	Spring 6	181251	Fable 40	181427	Plate, Nut 11
181120	Spring, Compression 4,6	181278	Clamp 10,15	181440	Bracket, Switch 15
181121	Pin 6	181279	Bracket 21	181441	Switch 5,16
181122	Disc 6	181284	Spring 11,12,18,19	181449	Plate, Contact 15
181123	Nut, 4-40 Spl 6	181286	Bushing 15	181450	Block, Contact 15
181125	Ratchet, Left Ribbon 6	181300	Sleeve, 3/16 ID x 1" Lg	181461	Gong 15
181126	Ratchet, Right Ribbon 6	181304	Insulating 44	181464	Clapper 15
181129	Ribbon w/Spool 6	181305	Latch 26	181500	Link, Drive 3
181138	Pad 38	181307	Spring 26	181501	Upstop, Line Feed Link 3
181151	Fan 40	181312	Lever, w/Post 26	181503	Bracket, Guide 23
191164	Shaft w/Link 3	181314	Latch, Carriage Return 6	181521	Spring, Platen 3
181165	Pawl, Feed 3	181315	Link w/Post 10	181522	Guide, Paper 3
181166	Bracket, Line Feed 3	181316	Bail w/Post 37	181523	Spring 2,4
181168	Bellcrank w/Studs 3	181317	Shaft 10	181524	Nut, 2-56 Shoulder 3
181172	Lever, Function 24	181318	Hub, Carriage Return	181525	Guide, Paper 3
181173	Stud, Feed Pawl Stop 3	181319	Lever 10	181570	Lever 24
181174	Guide 16	181320	Lever, Actuating 24	181571	Lever 24
181175	Plate, Stripper 3	181322	Lever, Carriage Return 10	181572	Lever 24
181176	Link, Adjusting 3	181324	Lever, Unlatch 10	181573	Lever 24
181178	Bracket, 34,37	181325	Pawl, Function 15	181574	Lever 24
181179	Lever, Blocking 23	181326	Spring 8	181575	Lever 24
181193	Cylinder 2,5	181327	Pawl, Function 15	181580	Lever 24
181194	Washer, Flat 9	181328	Arm 6	181581	Lever 24
181195	Washer, Cup 9	181329	Latch 6	181582	Lever 24
181196	Ring, Retaining 9	181330	Lever 10	181583	Lever 24
181197	Plate, Adjusting 2,5	181383	Spring 20	181585	Lever 24
181198	Bumper 9	181384	Stud 10	181586	Pawl, Blocking 15
181199	Piston 9	181386	Clamp, Motor 40,41	181653	Diode 43
181203	Washer, Flat 40	181387	Capacitor, 88-108 MFD 43	181826	Jumper, 2" Black 44
181204	Washer, Flat 2,5,36,40,41	181388	Insulator 43	181850	Plate w/Stud 40,41
181221	Pawl, Blocking Function 15	181389	Capacitor, 45 MFD 43	181851	Gear, 17T 36 40
181230	Plate 10	181392	Terminal, Tab Type 37,42	181853	Pulley w/66T Gear, 16T 40
181231	Screw, 8-32 Self-Tapping 16,21	181394	Capacitor, 47-56 MFD 43	181854	Pulley w/60T Gear, 16T 40
181237	Screw, 1/4-14 Self-Tapping 38	181405	Plate 13	181855	Pulley w/40T Gear, 16T 40
181240	Screw w/Lockwasher, 6-40 x 3/16 Hex 2,15,17,23,34	181406	Roller 13	181861	Motor, 115V AC Synchronous 40,43,44
181241	Screw w/Lockwasher, 6-40 x 1/4 Hex 8,12,15, 34,43	181409	Belt, 47T 19	181866	Bracket 43
181242	Screw w/Lockwasher, 6-40 x 5/16 Hex 2 to 5,7,17,19, 20,21,26	181411	Pinion, 18T 40,41	181867	Insulator 43
181243	Screw w/Lockwasher, 6-40 x 3/8 Hex 6,8,21,22,34	181413	Drum, Clutch 19	181868	Clip, Speed 43
181244	Screw w/Lockwasher, 6-40 x 7/16 Hex 11,12	181414	Pulley, 34T 19	181869	Relay, Motor Start 43
		181417	Pulley w/68T Gear, 13T 40	181870	Motor, 115V AC Synchronous 40,43,44
		181419	Pulley w/62T Gear, 13T 40	181877	Relay w/Bracket 43

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
181891	Sleeve, 3/16 ID x 2-1/2"	182293	Typewheel, MC 27	183201	Holder Assembly, Brush 42,44
	Lg Insulating 42,44	182310	Codebar, No. 8-1 14	183202	Holder, Brush 42
181892	Sleeve, 9/64 ID x 1"	182311	Codebar, No. 8-2 14	183203	Spring 42
	Lg Insulating 43	182312	Codebar, No. 8-3 14	183204	Terminal 42
181895	Sleeve, 9/64 ID x 3/8"	182313	Codebar, No. 8-4 14	183205	Jumper 42
	Lg Insulating 44	182314	Codebar, No. 8-5 14	183206	Jumper 42
181951	Insert, Nylon 38,39	182315	Codebar, No. 8-6 14	183207	Brush w/Terminal 42
181952	Stud 2	182316	Codebar, No. 7 14	183209	Bracket 42
181954	Typewheel, NJ 6,28	182317	Codebar, No. 8 14	183212	Governor Assembly 41
181955	Washer, Pulley 6	182318	Codebar R 14	183213	Housing 41
181956	Drum, Spacing 6	182330	Codebar, No. 8-A 14	183214	Bracket 41
181957	Belt, 151T 6	182461	Bracket, Upstop 10	183215	Bracket 41
181983	Screw, 6-40 x 5/8 Spl 15	182531	Clip, Speed 38,40	183216	Arm, Contact 41
182015	Lever Assembly Clutch Trip 1,13	182540	Connector, 15 Pt Plug Type 22,44	183217	Spring 41
182037	Switch Assembly, Contact 15	182643	Terminal, Plug Type 22, 43,44	183218	Screw, Spl 41
182047	Clutch Assembly 11,12	182644	Terminal, Receptacle Type 43,44	183219	Bracket 41
182056	Modification Kit 6			183220	Bumper 41
182068	Plate, Identification 44	182650	Connector, 4 Pt Plug Type 44	183221	Nut, Speed 19,41
182069	Plate, Identification 44			183222	Disc 41
182137	Contact Assembly 21	182677	Cable w/Terminals 22	183223	Target 41
182155	Plate, Right 7	182692	Jumper, 1-1/4" Orange 44	183301	Guideplate, Paper 4
182156	Plate, Left 7	182693	Jumper, 1-1/4" Orange 44	183303	Knob, Disengaging 4
182181	Fan 40	182726	Terminal, Receptacle Type 22,42,44	183304	Knob, Sprocket 4
182182	Holder, Fuse 44			183308	Plate, Right 4,5
182183	Deflector, Air 40	182894	Link 21	183309	Plate, Left 4,6
182194	Gear, 40T 19	182895	Plate w/Bushing 21	183310	Platen 4
182195	Drum w/Bearing, Clutch 19	182898	Arm 21	183313	Bar 4
182232	Roller 19	182900	Link w/Post 21	183314	Guide, Right Paper 4
182237	Pawl, Function 15	182902	Spacer, .469" Thk 21	183315	Guide, Left Paper 4
182239	Lever, Latch 20	182955	Link, Support 21	183316	Bracket 4
182241	Motor, 60 Cycle Synchronous 40,43,44	182957	Plate 21	183317	Bracket, Right 4
		182958	Spacer 21	183318	Bracket, Left 4
182244	Lever Cam Follower 20	182960	Plate 21	183319	Detent, 21T 4
182250	Foot, Rubber 38	182961	Sleeve 21	183320	Pulley, 21T 4
182262	Arm, Stop 20	182964	Arm Assembly, Drive 1,21	183321	Sprocket, Feed 4
182263	Bracket 20	183052	Bracket, Contact 21	183322	Pulley, 21T 4
182264	Stud 20	183053	Stiffener, Front 21	183326	Guide, Bracket 6,7
182267	Motor, 50 Cycle Synchronous 40,43,44	183054	Stiffener, Rear 21	193330	Guide 6
		183055	Spring, Contact 21	183335	Guide, Left 4
182268	Lever, Cam Follower 20	183056	Spring, Contact 21	183336	Guide, Right 4
182269	Modification Kit 20	183057	Insulator, .031" Thk 21	183338	Knob w/Pin 4
182272	Resistor, 10 Ohm 43	183058	Insulator, .062" Thk 21	183339	Plunger Assembly 4
182276	Lever, Answer-Back Trip 20,22	183060	Terminal, Lug 21	183341	Wheel, Idler 4
		183062	Cover, Contact 21	183346	Ring, Retaining 4
182277	Spring 20	183098	Lever, Trip 21	183349	Washer, Felt 4
182280	Typewheel, MB 27	183110	Shim, .004" Thk 21,36	183351	Stud, Idler 4
182290	Modification Kit 15,25	183111	Label 42	183352	Guide, Paper 4
182291	Modification Kit 15,24	183126	Clip 38	183356	Washer, Supporting 4
		183130	Insulator 21	183357	Spring, Compression 4
				183358	Plate 5

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
183360	Arm 16	183423	Bracket, Spring 34	193564	Bracket w/Stud 36
183361	Disc 12	183425	Clamp 15,16,19	183565	Bar w/Link 35
183364	Pulley w/20T Gear, 30T 34	183426	Clamp 15	183567	Bar 14
183367	Pulley w/28T Gear, 21T 34	184428	Shaft 34	183588	Typewheel, MD 27
183369	Pulley w/35T Gear, 21T 34	183429	Bail 34	183599	Typewheel, ME 27
183371	Bearing, Sleeve 12	183430	Arm 31,34	183851	Retainer, Left 23
183372	Lever, Shoe Release 12	183431	Bail, Clutch Latch 34	183852	Pin 36
183373	Disc, 6 Stop 12	183432	Bail, Reset 34	183853	Retainer, Right 23
183374	Disc, 6 Stop 12	183433	Bracket, Side 34	183861	Plate, Stop 5
183376	Collar 12	183434	Bracket, Contact Switch 35	183862	Terminal 5,35
183377	Collar 34	183435	Bail, Contact Switch 34	183863	Spring, Contact 5,35
183378	Belt, 41T 34	183436	Bracket 34	183864	Spring, Contact 5,35
183379	Belt, 50T 34	183437	Bracket 34,35	183865	Bushing, Insulating 5,35
183380	Casting, Frame 2,5,6,8, 10 to 17,19,20,22,23, 36 to 43	183438	Stud 4	183876	Screw, 6-32 Set 4
183381	Washer, Flat 12	183442	Lever w/Hub 4	183877	thru
183382	Shaft, Main 12	183443	Bracket 5	183883	Modification Kit 34
183383	Pulley, 15T 12	183444	Contact Assembly 34	183884	Spring 34
183384	Disc 31,34	183445	Contact Assembly 5	183887	Bail, L.F. 34
183385	Arm, Stop 31,34	183448	Pointer 34	183922	Typewheel 27
183387	Pawl, Function 15	183449	Plate, Index 34	183991	Motor, 1/2 HP Series 41
183388	Pawl, Function 15	183450	Screw, 4-40 x 7/32 Flat 12	183993	Camsleeve 11,12
183389	Arm 12	183454	Retainer, Spring 4	183994	Link 9otp 12
183390	Arm w/Stud 16	183458	Plate, Stop 34	183995	Lever 9
183391	Gear, 16T 34	183464	Post, Spring 34	183996	Link, Toggle 10
183392	Gear, 20T 34	183465	Spacer 34	183998	Clutch Assembly 11,12
183393	Gear, 40T 34	183466	Bracket 34	183999	Spacer, .050" Thk 11,12
183394	Gear, 20T 34	183467	Insulator 34	184006	Screw, 8-32 Self-Tapping 8,10,13,15
183395	Gear, 24T 34	183468	Lever, Strip 23	184055	Screw w/Lockwasher, 6-24 x 3/16 Hex 37
183396	Gear, 20T 34	183469	Plate 23	184056	Screw w/Lockwasher, 6-40 x 1/4 Hex 15,42
183397	Gear, 24T 34	183474	Modification Kit 6,7	184067	Screw w/Lockwasher, 4-40 x 5/16 Hex 6
183398	Gear, 44T 34	183483	Post 35	184085	Screw, 8-32 Thumb 38,39
183399	Gear, 45T 34	183484	Cover, Contact 35	184088	Spring 34
183400	Gear, 70T 34	183492	Clutch Assembly 12	184089	Shield 35
183401	Gear, 40T 34	183495	Codebar 14	184090	Shield 35
183402	Gear, 51T 34	183496	Codebar 14	184096	Bracket 10
183403	Gear, 50T 34	183497	Codebar 14	184149	Drum, Answer-Back 22
183404	Gear, 36T 34	183498	Codebar 14,26	184156	Cable Assembly 44
183405	Bail 34	183499	Lever, Blocking 23	184157	Modification Kit 23
183406	Bracket, Stop 34	183503	Housing, Bearing 9	184158	Pulley w/58T Gear 14T 40
183407	Arm 34	183504	Retainer, Bearing 9	184160	Solenoid 36
183408	Arm 12	183510	Cable Assembly 22	184201	Lever 20
183409	Arm, Latch 34	183536	Arm w/Shaft 7	184251	Lever w/Bracket 25
183411	Plate, Cam 34	183545	Arm, Reverse 6	184253	Lever 25
183415	Roller 18	183551	Link, Blocking 20	184254	Lever 25
183418	Shaft, Distributor 19	183552	Lever 24	184255	Lever 25
183422	Roller 34	183558	Post 14,36		
		183560	Lever 36		
		183561	Bracket, Magnet 36		
		183562	Bracket 37		
		183563	Bracket 36		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
184256	Lever 25	184983	Typewheel, PM 29	185507	Typewheel, TC 31
184257	Lever 25	184984	Typewheel, PN 29	185508	Typewheel, TD 32
184258	Lever 25	184985	Typewheel, PR 29	185509	Typewheel, TE 32
184259	Lever 25	184986	Typewheel, PT 29	185510	Typewheel, TF 32
184280	Knob Assembly 4	184987	Typewheel, PW 29	185511	Typewheel, TG 32
184685	Typewheel, MG 27	184988	Typewheel, PX 29	185512	Typewheel, TH 32
184686	Typewheel, MH 27	184989	Typewheel, PY 29	185513	Typewheel, TJ 32
184688	Typewheel, MJ 27	184990	Typewheel, PZ 29	185514	Typewheel, TK 32
184689	Typewheel, MK 27	184991	Typewheel, RA 29	185515	Thpewheel, TL 32
184690	Typewheel, ML 27	184992	Typewheel, RB 30	185516	Typewheel, TM 32
184691	Typewheel, MN 27	184993	Typewheel, RC 30	185517	Typewheel, TN 32
184692	Typewheel, MU 27	184994	Typewheel, RD 30	185518	Typewheel, TP 32
184693	Typewheel, MP 27	184995	Typewheel, RE 30	185519	Typewheel, TR 32
184694	Typewheel, MT 27	184996	Typewheel, RF 30	185520	Typewheel, TS 32
184695	Typewheel, MR 27	184998	Typewheel, RH 30	185522	Typewheel, TU 32
184696	Typewheel, MV 27	184999	Typewheel, RJ 30	185523	Typewheel, TV 32
184697	Typewheel, MW 27	185000	Typewheel, RL 30	185525	Typewheel, TX 32
184698	Typewheel, MY 27	185007	Detent 22	185526	Typewheel, TY 32
184950	Typewheel, MS 27	185471	Typewheel, RK 30	185527	Typewheel, TZ 32
184951	Typewheel, MZ 27	185473	Typewheel, RM 30	185528	Typewheel, UA 32
184952	Typewheel, NA 28	185474	Typewheel, RS 30	185529	Typewheel, UB 32
184953	Typewheel, NB 28	185475	Typewheel, RR 30	185530	Typewheel, UC 32
184954	Typewheel, NC 28	185478	Typewheel, RV 30	185531	Typewheel, UD 32
184955	Typewheel, ND 28	185479	Typewheel, RW 30	185532	Typewheel, UE 33
184956	Typewheel, NE 28	185480	Typewheel, RX 30	185533	Typewheel, UF 33
184957	Typewheel, NF 28	185481	Typewheel, RY 30	185534	Typewheel, UG 33
184958	Typewheel, NG 28	185482	Typewheel, RZ 30	185535	Typewheel, UH 33
184959	Typewheel, NH 28	185483	Typewheel, SA 30	185537	Typewheel, UK 33
184960	Typewheel, NK 28	185484	Typewheel, SB 30	185676	Terminal, Plug Type 21, 22,43,44
184961	Typewheel, NL 28	185485	Typewheel, SC 30	185677	Terminal, Receptacle Type 43,44
184962	Typewheel, NM 28	185486	Typewheel, SD 30	185680	Plate, Identification 44
184963	Typewheel, NP 28	185487	Typewheel, SE 31	185700	Base 38
184964	Typewheel, NR 28	185488	Typewheel, SF 31	185708	Screw, 8-32 x 3/8 Hex 2,5
184965	Typewheel, NS 28	185489	Typewheel, SG 31	185721	Bracket, Fuse 44
184966	Typewheel, NT 28	185490	Typewheel, SH 31	185730	Modification Kit 44
184967	Typewheel, NU 28	185491	Typewheel, SJ 31	185731	Jumper, 3-3/4" Black 44
184968	Typewheel, NV 28	185492	Typewheel, SK 31	185732	Bracket, Fuse 44
184969	Typewheel, NW 28	185493	Typewheel, SL 31	185733	Insualtor 43,44
184970	Typewheel, NX 28	185494	Typewheel, SM 31	185734	Fuse, SL-BL 2-1/4 Amp 44
184971	Typewheel, NY 28	185495	Typewheel, SN 31	185736	Bracket, Spring 10
184972	Typewheel, NZ 28	185496	Typewheel, SR 31	185755	Spring 36
184973	Typewheel, PA 29	185497	Typewheel, SS 31	185775	Extension, Armature 21, 22,36
184974	Typewheel, PB 29	185498	Typewheel, ST 31	185788	Arm 2,26
184975	Typewheel, PC 29	185499	Typewheel, SU 31	185789	Stud 2,26
184976	Typewheel, PD 29	185500	Typewheel, SV 31	185790	Plate, Detent 2,26
184977	Typewheel, PE 29	185501	Typewheel, SW 31	185791	Modification Kit 1,26
184978	Typewheel, PF 29	185502	Typewheel, SX 31		
184979	Typewheel, PG 29	185503	Typewheel, SY 31		
184980	Typewheel, PH 29	185504	Typewheel, SZ 31		
184981	Typewheel, PJ 29	185505	Typewheel, TA 31		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
185796	Bracket 2	186261	Link 37	186733	Insulator 38
185799	Shaft 6	186262	Shaft, Trip Pivot 22	186734	Insulator 17
185816	Screw, 6-40 x 5/16 Spl 2	186264	Lever w/Stud 37	186738	Insulator 38,39
185833	Plate, Identification 44	186265	Buffer 20	186740	Jumper, 6" Green 96
185834	Plate, Identification 44	186268	Shaft, Distributor 19	186745	Cylinder 2,5
185843	Fuse, SL-BL 1-1/4 Amp 44	186271	Shaft, Distributor 19	186747	Bracket 34
185871	Screw w/Lockwasher, 8-32 x 3/8 Hex 37,38,39	186313	Lever 24	186748	Spacer 34
185877	Platen 2,26	186401	Clutch Assembly 18	186755	Screw, 8-32 Self-Tapping 21
185945	Insulator 4	186412	Arm 16	186770	Shaft 14
185968	Latch 26	186432	Guideplate 7	186774	Handle 37
185969	Hub 26	186442	Piston 9	186775	Clamp 37
185970	Lever w/Post 26	186443	Bumper 9	186776	Modification Kit 37
185971	Modification Kit 1,26	186445	Cover, Contact 17	186778	Screw, 6-40 x 7/32 Hex 18
185975	Guidepost 6	186446	Lever, Blocking 17	186781	Clip, Function Lever 14
185980	Retainer 36	186447	Lever, Blocking 17	186782	Clip, Function Lever 14
185984	Lever 24	186448	Timer Assembly 43	186783	Clip, Extension 14
185985	Lever 24	186460	Pinion, 18T 40	186796	Lever, Function 24
185986	Post 8,26	186462	Pulley w/65T Gear, 13T 40	186798	Pawl 15
185987	Roller 8,26	186465	Timer Assembly 43	186802	Pawl, Function 15
185989	Collar 4	186536	Set of Parts 9	186803	Clip, Extension 14
185990	Platen 4	186555	Timer, Elapsed 43	186836	Guard, Motor 40
185993	Arm, Latch 35	186556	Timer Assembly, Elapsed 43	186873	Plate, Stop 21
185994	Arm w/Hub 35	186557	Bracket 15	187000	Screw, Self-Tapping 17
185996	Spacer 35	186575	Arm 11,12,16	187056	Bracket 36
185997	Plate, Stop 35	186576	Arm 16	187058	Solenoid Assembly 36
185998	Plate 35	186483	Plate 43	187076	Plate 3
185999	Arm, Stop 35	186584	Timer Assembly 43	187077	Link w/Post 3
186009	Insulator 43	186585	Timer Assembly 43	186078	Upstop 3
186010	Bracket 43	186604	Bracket 16	186096	Plate 4,34
186011	Bracket 44	186606	Set of Parts 4	187097	Stud 4
186014	Bracket, Contact 17	186608	Lever 25	186098	Wheel, Idler 4
186025	Contact Assembly 17	186609	Lever 25	187099	Eccentric 4
186042	Set of Parts 19	186610	Lever 25	187100	Washer, Flat 4
186052	Spacer, .183" Thk 19	186611	Lever 25	187103	Bracket 15
186053	Nut, Speed 19	186639	Sleeve, 7/16 ID x 1-1/2" Lg Insulating 44	187126	Stud 19
186070	Typewheel, PS 29	186642	Knob 18	187196	thru
186175	Bracket 6	186664	Post 38	187203	Clip, Extension 14
186213	Hub 16	186665	Set of Parts 2	187244	Bar 5,16
186214	Washer, Spl 16	186668	Sleeve 21	187251	Plate 3
186218	Bearing, Roller 9	186669	Spring 18,24,25	187269	Spring 22
186240	Set of Parts 16	186691	Insert 38	187275	Screw w/Lockwasher, 6-40 x 1-3/16 Hex 21
186247	Shaft 11,18	186692	Post, Eccentric 10	187386	Ring 40
186248	Shaft 12	186693	Lever 10	188059	Plate 3
186249	Cam, Selector 18	186694	Lever 10	188328	Arm w/Hub 10
186253	Lever w/Hub 20	186695	Link 7	188406	Switch 5,16
186254	Lever, Cam Follower 20, 37	186728	Modification Kit 10	188407	Spring, Contact 5,35
186257	Clamp 20	186731	Ring, Compression 13	188408	Spring, Contact 5,35
186259	Clamp, Bearing 16	186732	Line 7	188409	Contact Assembly 35
				188835	Insulator 37

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
189019	Bracket 3	187388	Bracket 42	312918	Strap 40,44
189023	Bellcrank 3	188138	Plate, Adjusting 7	312919	Strap, Cable 44
189024	Plate w/Stud 3	188139	Screw, 4-40 Adjusting 7	312920	Strap, Cable 44
189053	Contact Assembly 5	188230	Spring, Compression 9	315756	Plate, Identification 40
189054	Spring, Compression 6	188245	Screw, Clamp 7	320246	Fuse, SL-BL 1.8 Amp 44
189060	Bearing 9	188254	Bail w/Stud 8	320410	Terminal, Spade Type 43
189069	Clamp 40	188410	Contact Assembly 5	320418	Terminal, Ring Type 37, 44
189091	Screw, 6-40 x 1/8 Set 12,16,34	188653	Jumper, 7" Blue 42	320423	Plate 43
189094	Guide 21	188835	Insulator 22,37	323094	Diode 43
189100	Base 39	189016	Cover 19	324499	Terminal 42
187283	Contact Assembly 5	189052	Bracket 5	326023	Screw, 4-40 x 9/32 Hex 7
187346	Bushing 8	192007	Terminal, Tab Type 42,44	327323	Ring, Retaining 16,20,37
187347	Shaft 8	194956	Spring 12	329332	Terminal, Receptacle Type 44
187351	Typewheel, UL 33	194987	Screw, 8-32 x 3/8 Hex 3, 5,16	332696	Bracket 42
187352	Typewheel, UM 33	195614	Pin, Key 44	333519	Jumper 42
187355	Typewheel, UN 33	196932	Sleeve, 7/16 ID x 1-1/4" Lg Insulating 44	333521	Motor Assembly 1,41,42
187356	Typewheel, UP 33	197464	Diode 15	334874	Nut, 1/4-28 Hex 42
187368	Screw, 2-56 x 1/4 Hex 3	198670	Screw w/Lockwasher 6-40 x 5/16 Hex 2,3,4,5,10,42	336468	Triac 42
187382	Plate, Left 7	198831	Jumper, 8" Black 42	340699	Clip, Cable 38
187383	Plate, Right 7	199440	Screw, 5-40 x 4/8 Fil 11, 12,18	401518	Screw w/Lockwasher No. 6 x 1/4 Hex 15
187384	Bushing, Eccentric 7				
187385	Lever 24				

33 CALL CONTROL UNIT (UCC)

PARTS

FIGURE	CONTENTS	PAGE
1	Base Plate Components for use With Rotary Dial	2
2	Base Plate Components for use With Touch-Tone or Card Dialing	3
3	Electrical Components for use With Rotary Dial	4,5
4	Electrical Components for use With Touch-Tone or Card Dialing	6
5	Base Plate and Electrical Components for DC Signal Private Line	7,8,9
6	Electrical Components for Computer Control Private Line	10
7	Base Plate and Electrical Components for use With Station Controller	11,12
8	Base Plate and Electrical Components	13,14
9	186627 Set Interface Logic Assembly	15
10	186630 Modification Kit to Provide Break Detection and Indication	16
11	Alarms and Speaker	17
12	181815, 182695, 186000 and 332709 Selector Magnet Driver Assemblies	18
13	Receive-Only Bracket Components	19
14	182489, 193487, 186600 and 186601 Dial Modifications	20
15	186602 and 186603 Dial Modifications	21
16	193486, 193489, 195924, 195926 and 327420 Dial Modifications	22
17	Key Assemblies	23
18	Cable Components, Power Cords and Jumpers	24,25
19	186670 Modification Kit to Provide Private Line	26
20	Base Plate and Electrical Components for Private Wire Service	27
21	Call Control w/Modem Logic Cards	28
22	188865 Power Supply Assembly	29,30
23	187133 (Manual) and 187134 (Automatic) Reader Card Set of Parts	31
24	187156 Modification Kit To Add 20/60 MA DC Interface	31
25	182134 and 182149 Reader Power Pack Assembly	32
26	186765 (Manual), 186766 (Automatic), 184194 and 186480 Power Pack Assemblies	32
27	181720 Power Pack Assembly	33
	Numerical Index	34

**Denotes a printed part.

HF - Light Olive Gray Smooth Vinyl

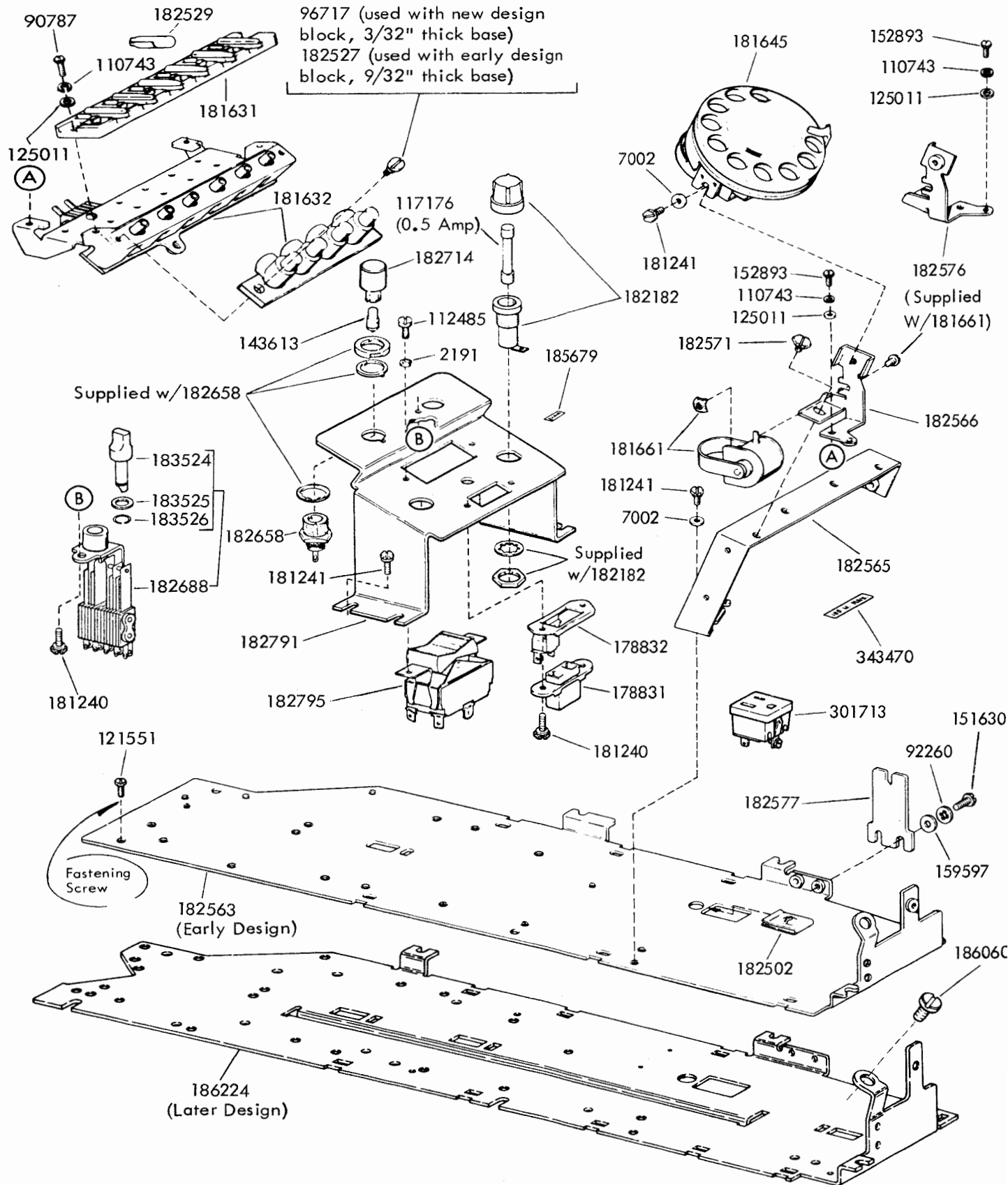


Fig. 1 - Baseplate Components For Use With Rotary Dial

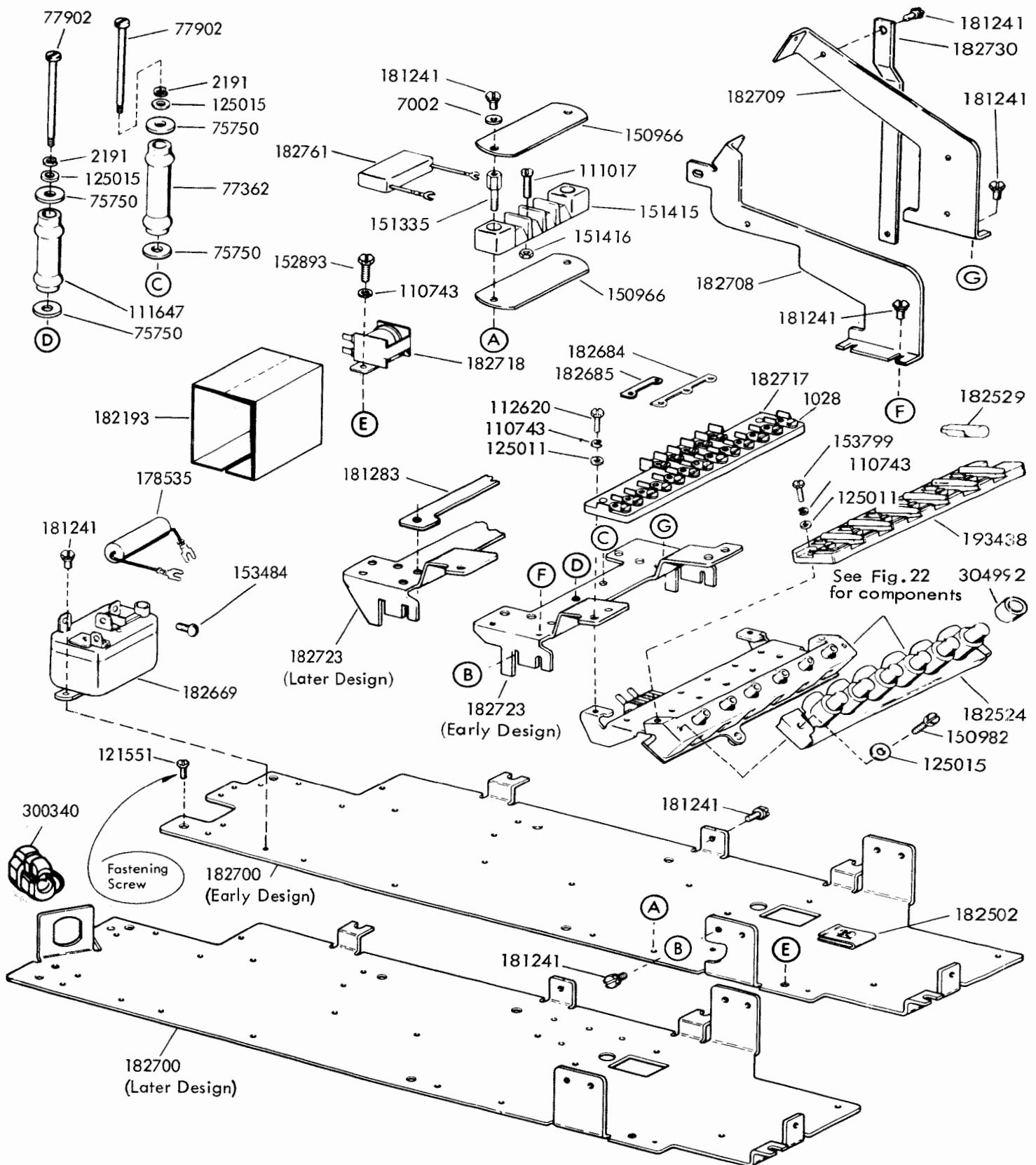


Fig. 2 - Baseplate Components For Use With Touch-Tone or Card Dialing

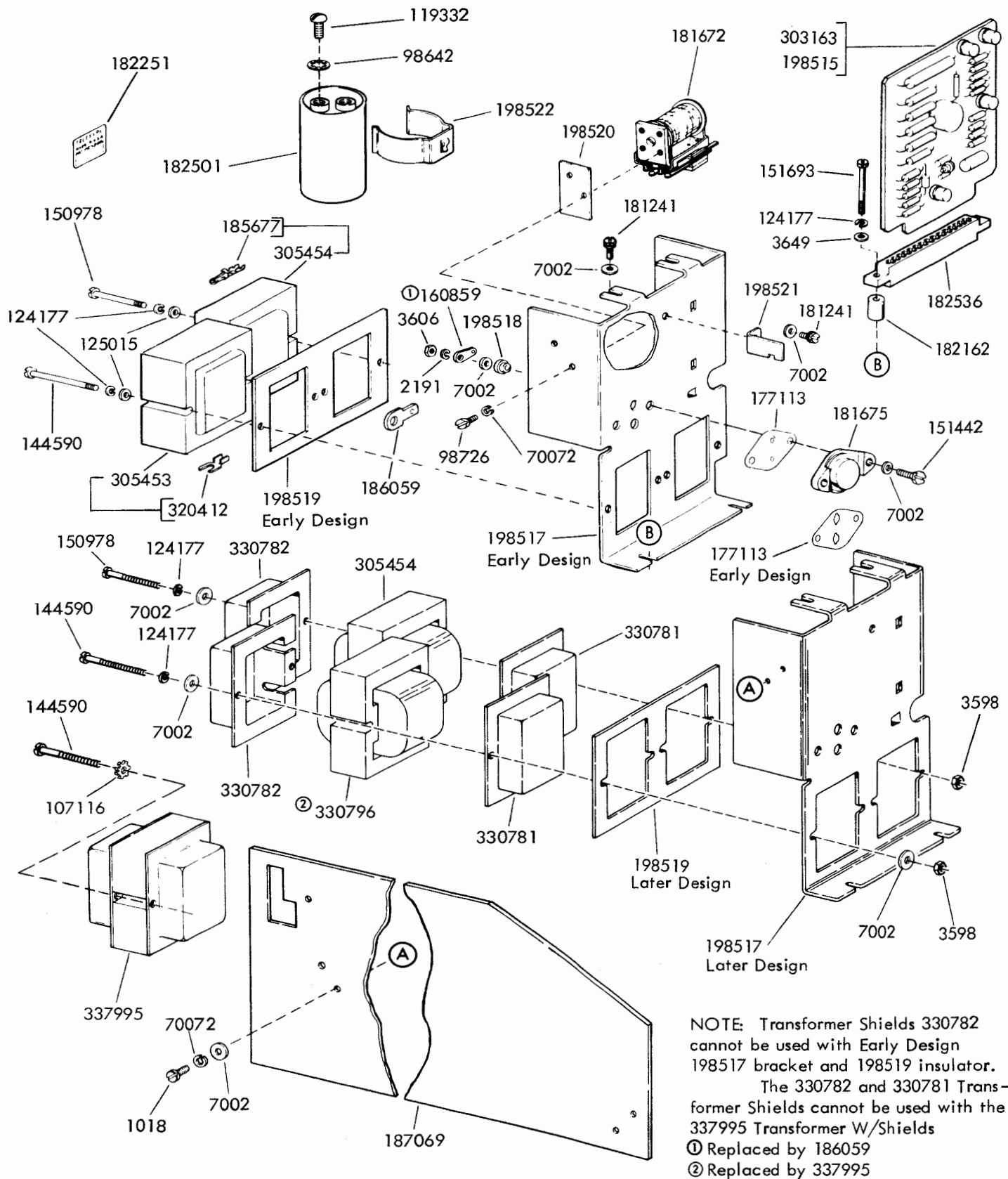


Fig. 3 - Electrical Components For Use With Rotary Dial

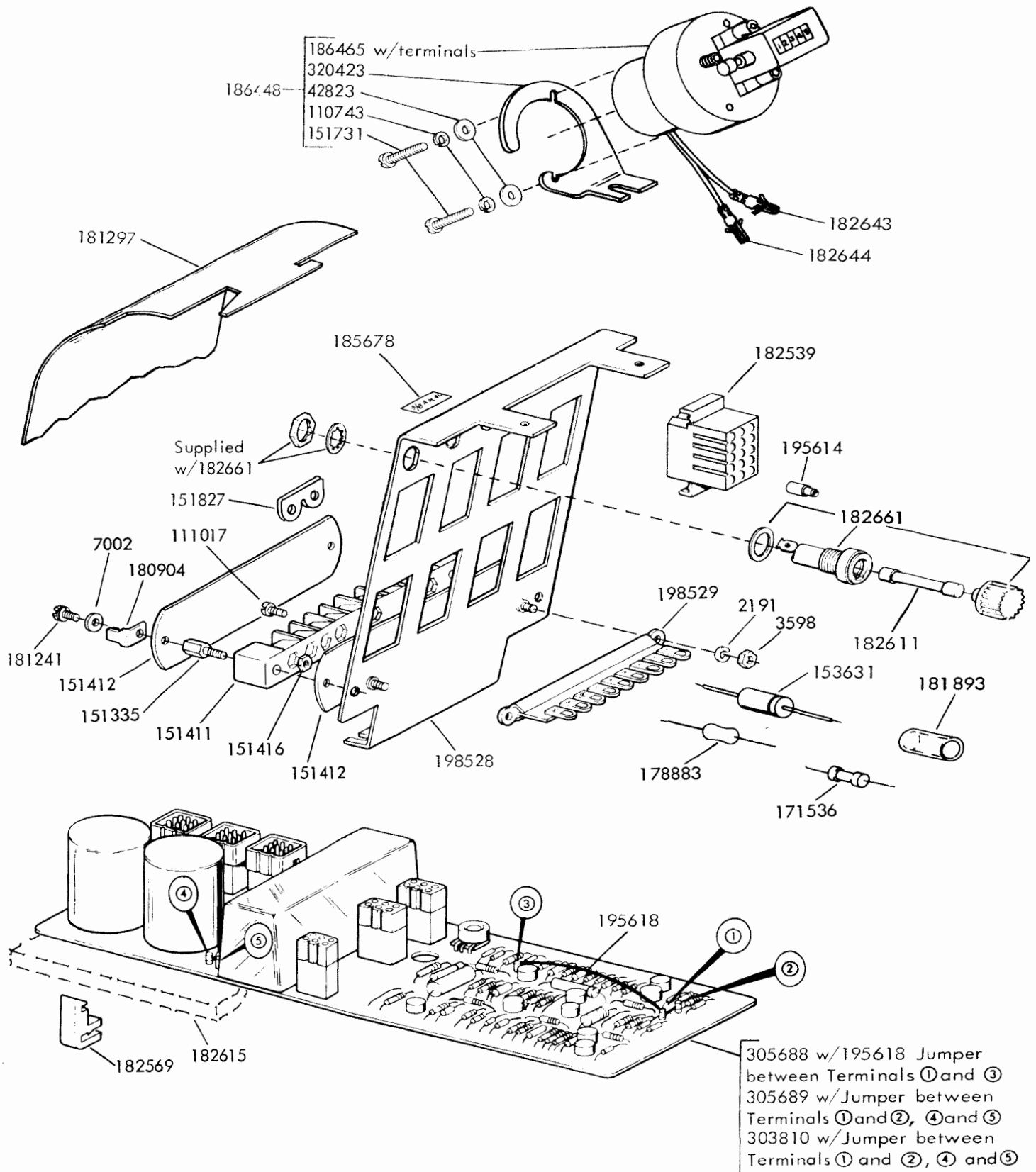


Fig. 3 - Electrical Components For Use With Rotary Dial (Cont)

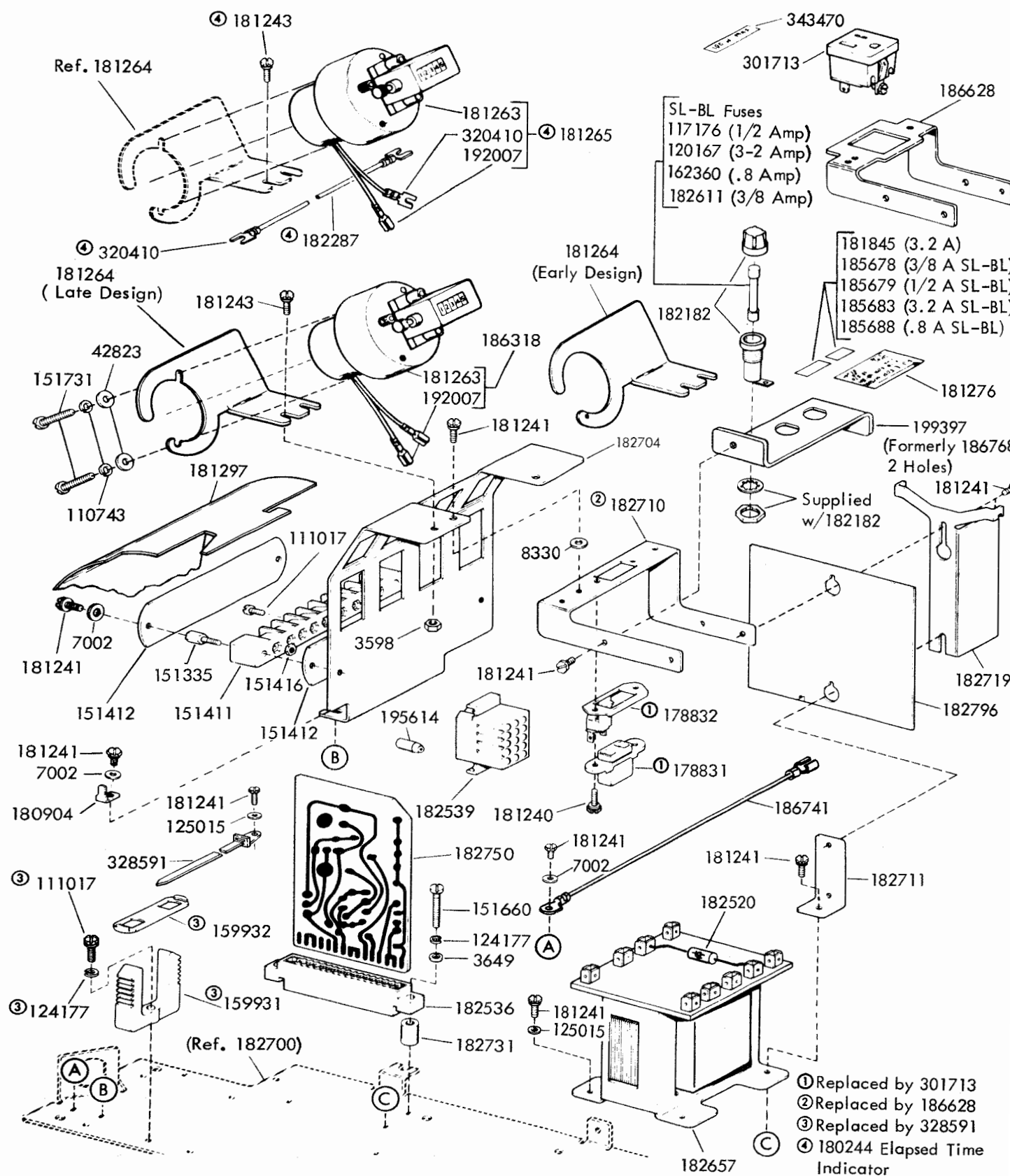


Fig. 4 - Electrical Components For Use With Touch-Tone or Card Dialing

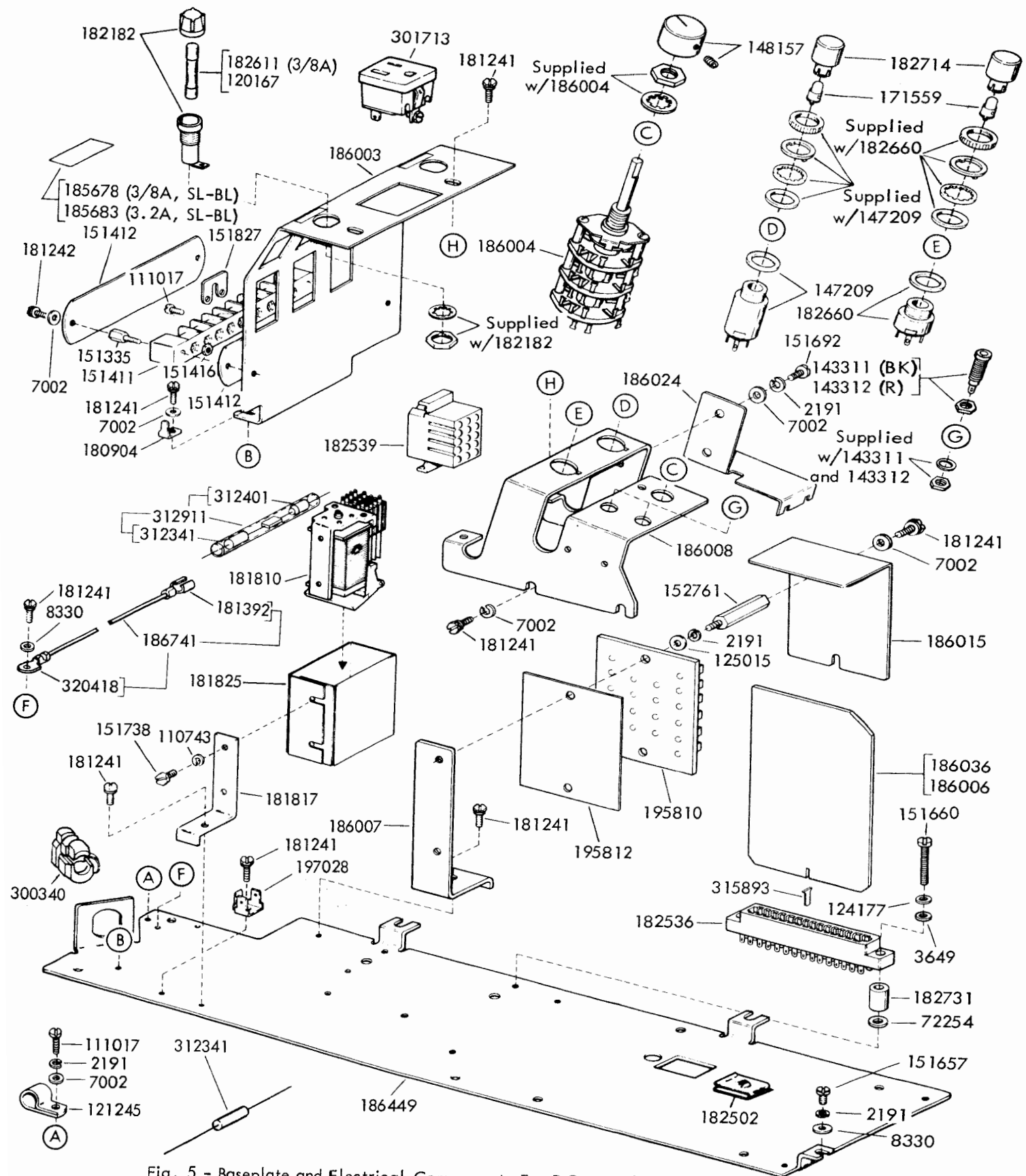


Fig. 5 - Baseplate and Electrical Components For DC Signal Private Line

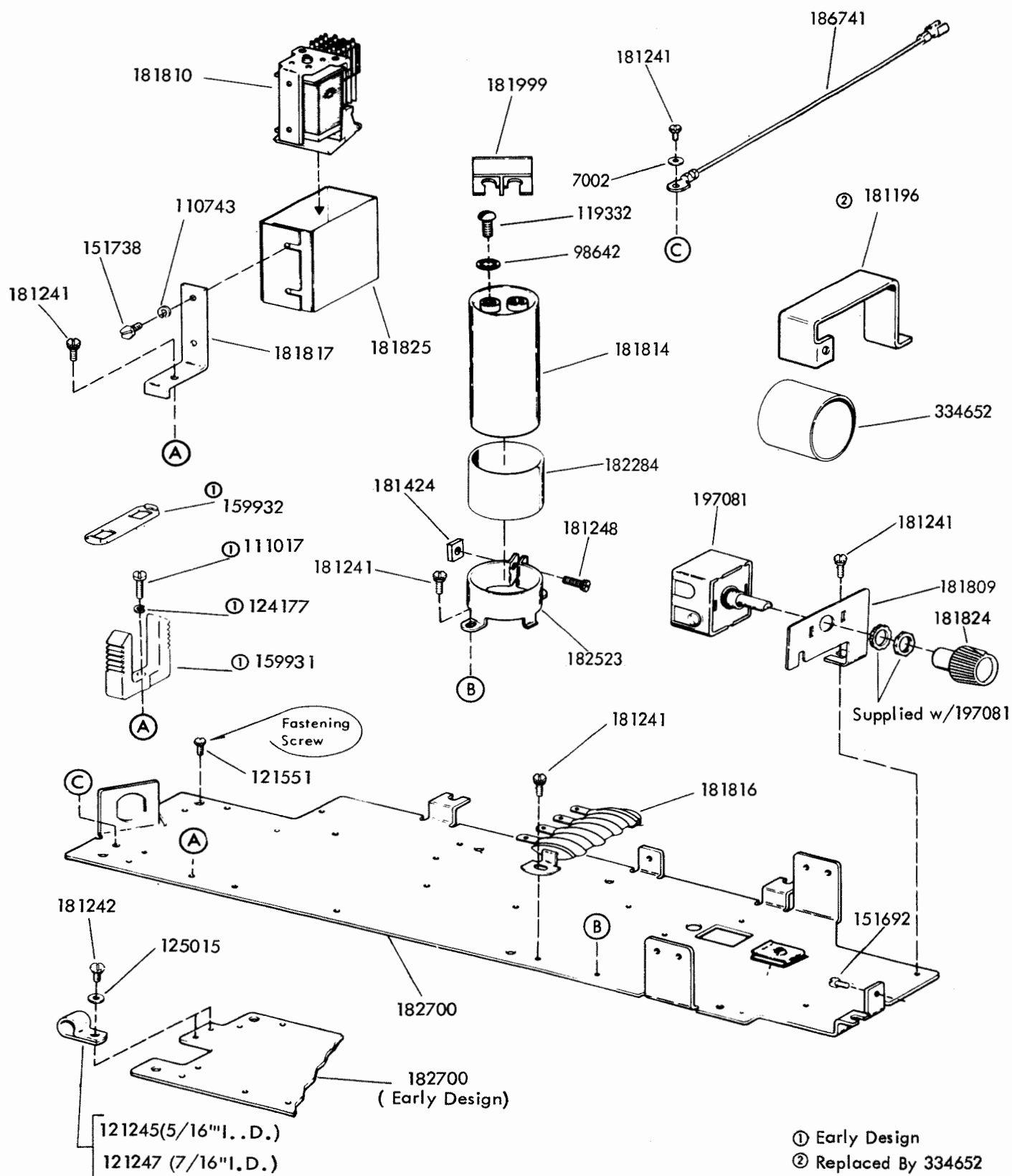


Fig. 5 - Baseplate and Electrical Components For DC Signal Private Line (Cont)

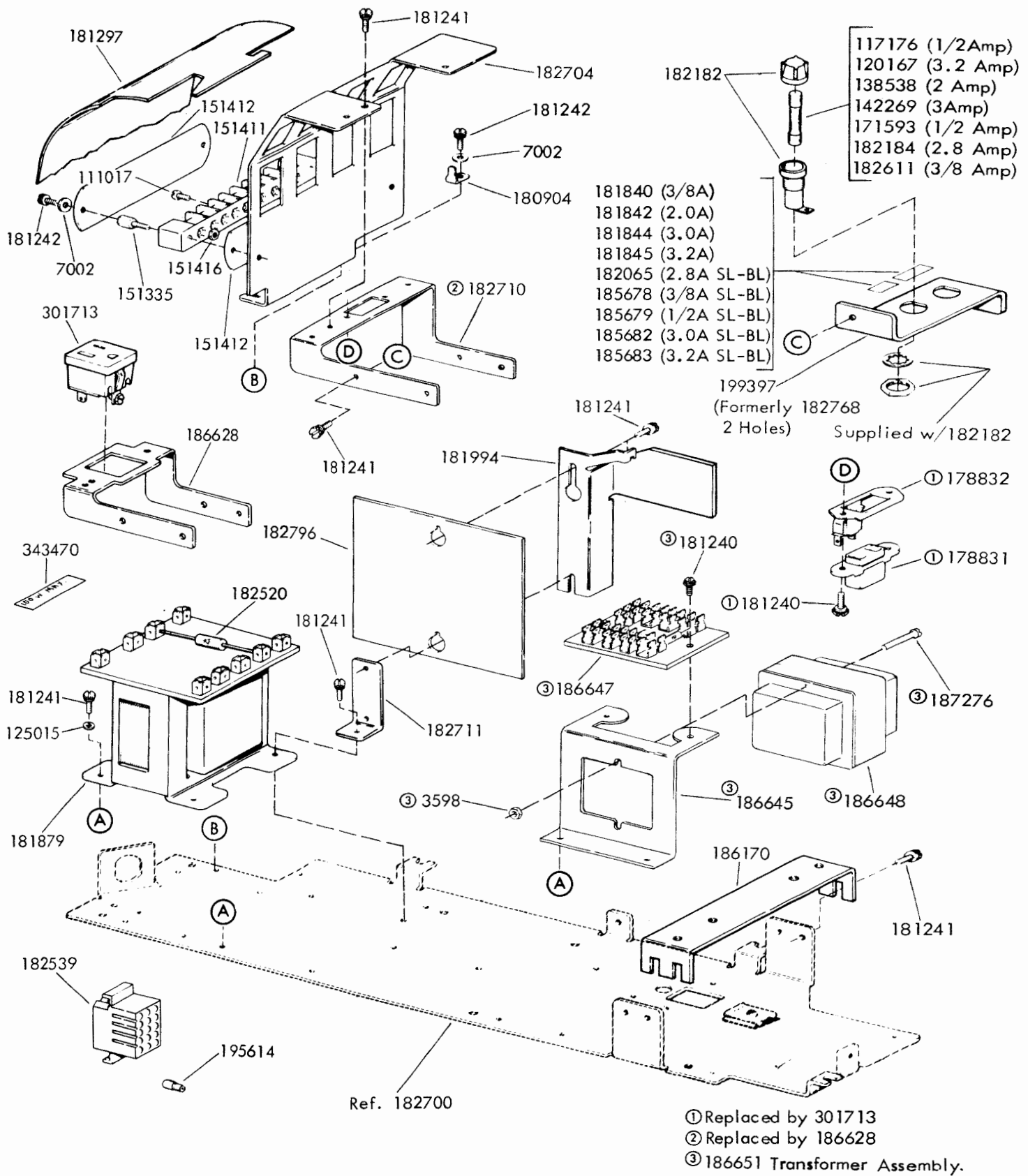


Fig. 5 - Baseplate and Electrical Components For DC Signal Private Line (Cont)

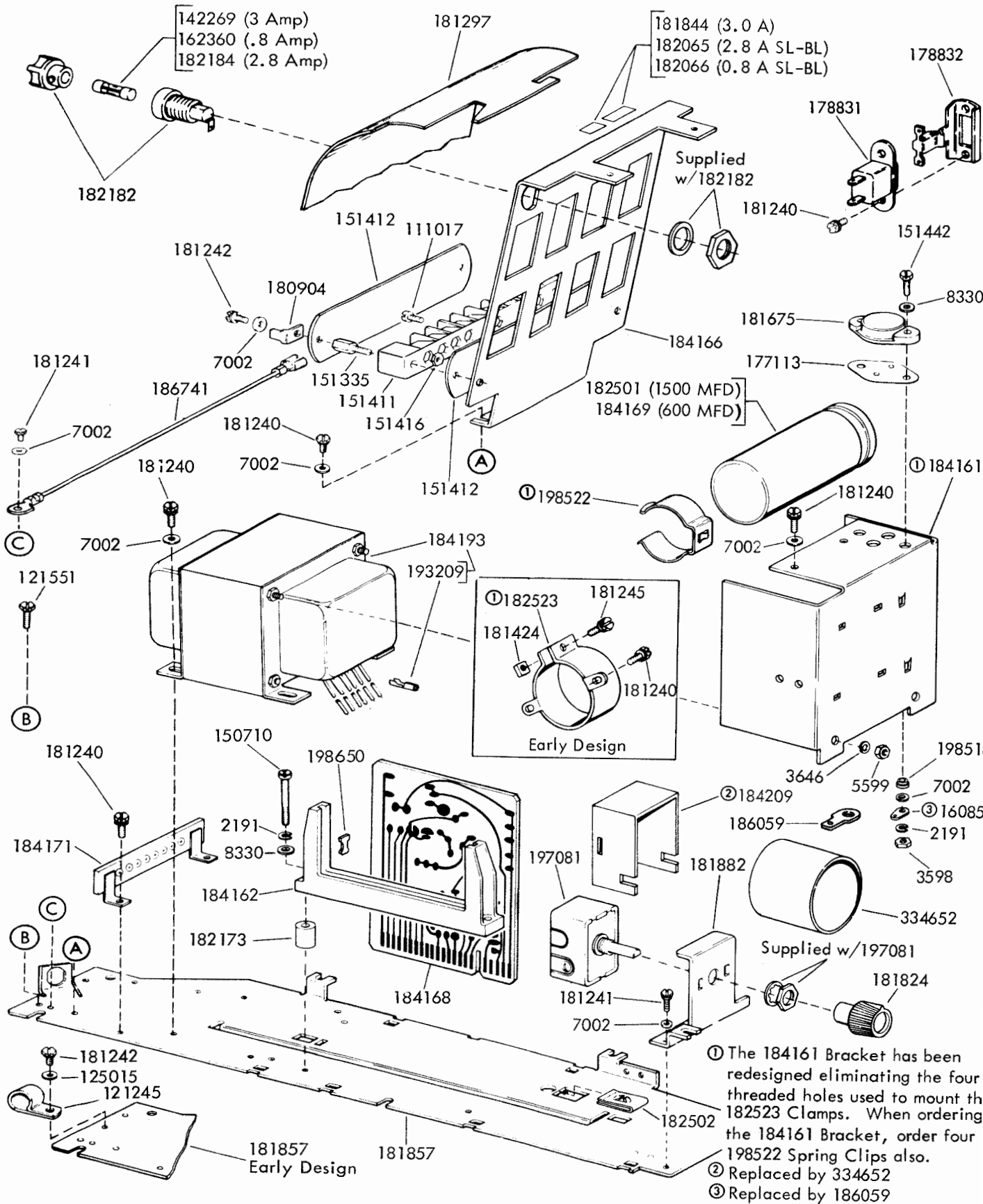


Fig. 6 - Electrical Components For Computer Control Private Line

Page 11

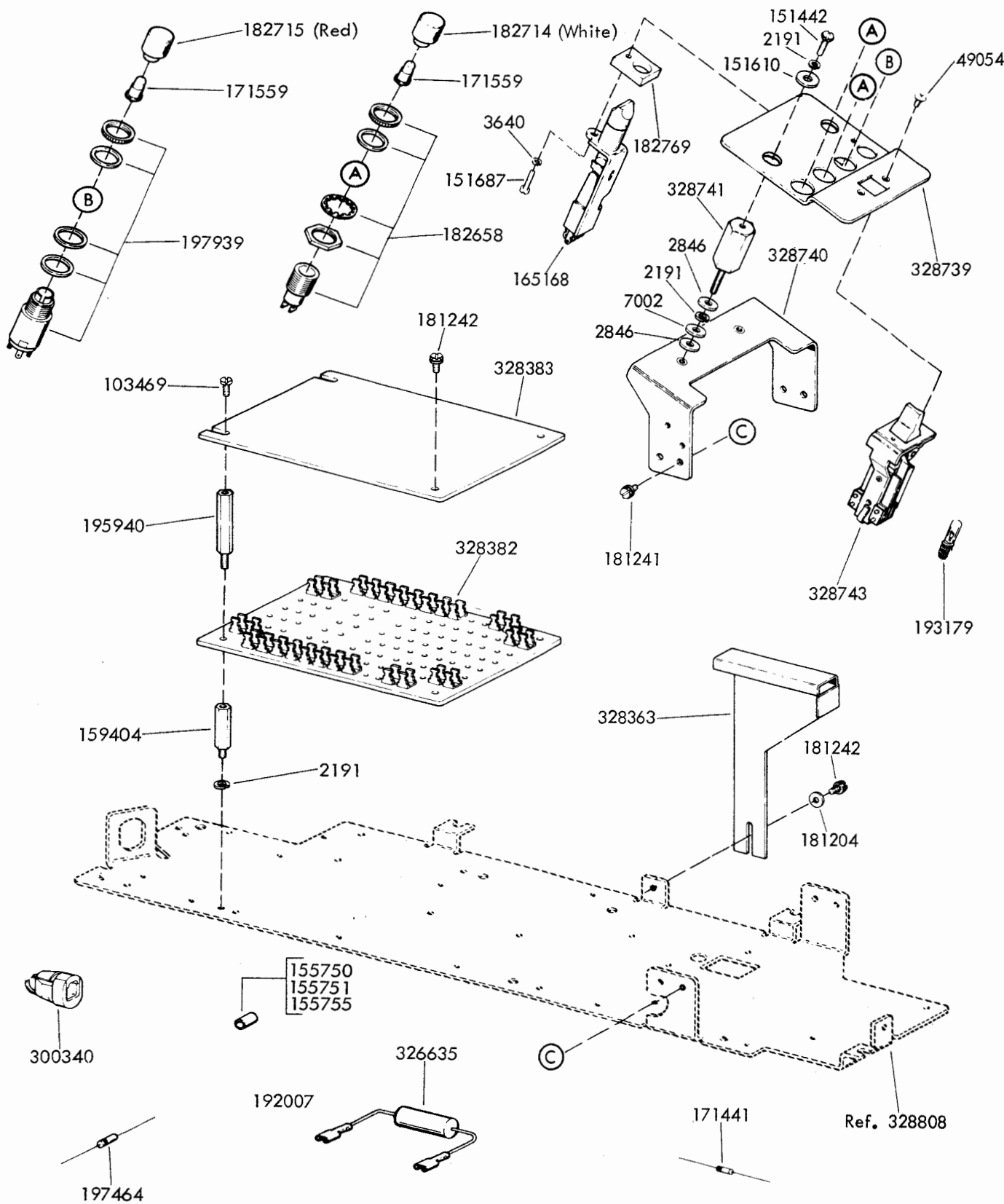


Fig. 7 - Baseplate and Electrical Components For Use With Station Controller (Cont)

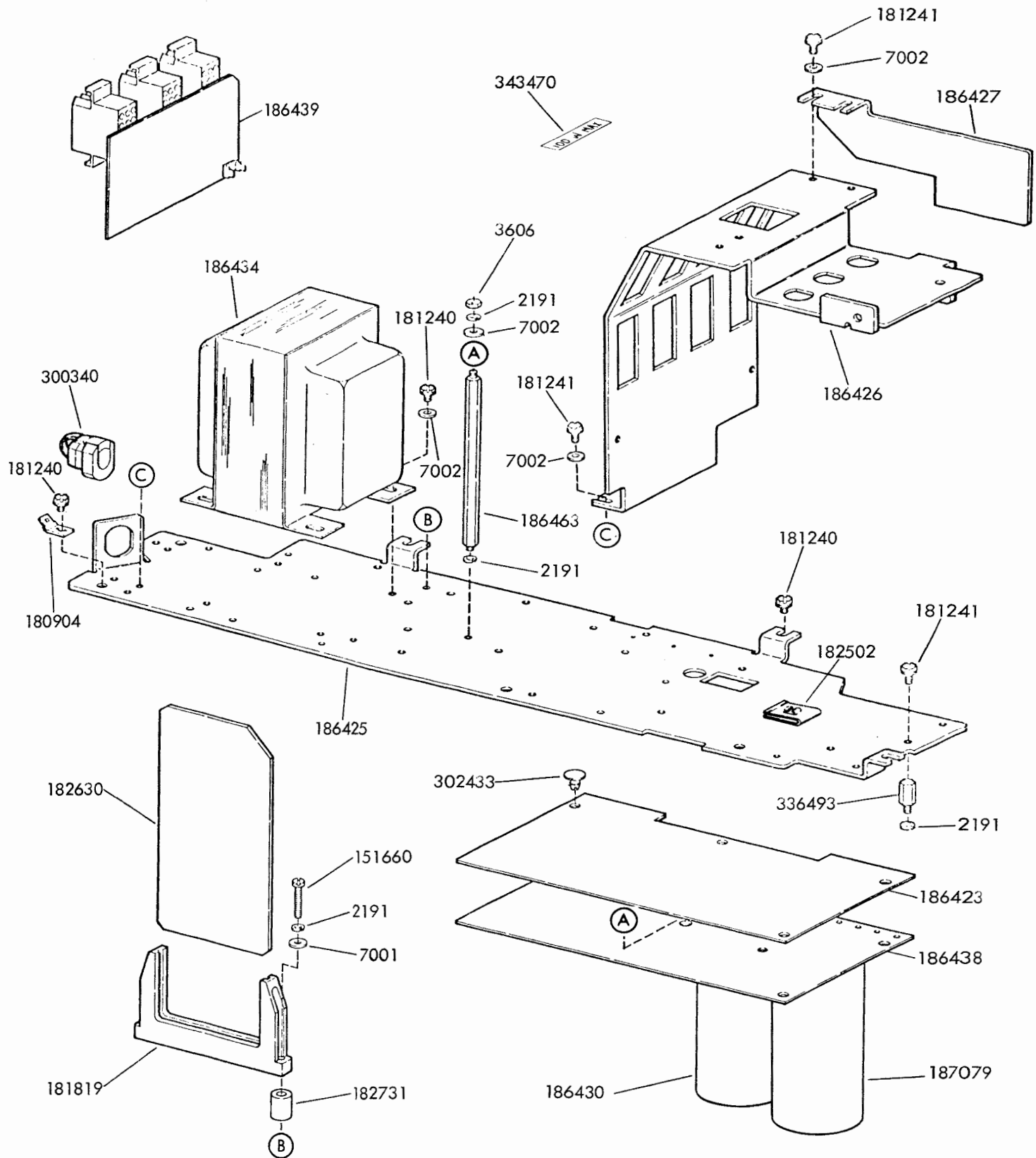


Fig. 8 - Baseplate and Electrical Components

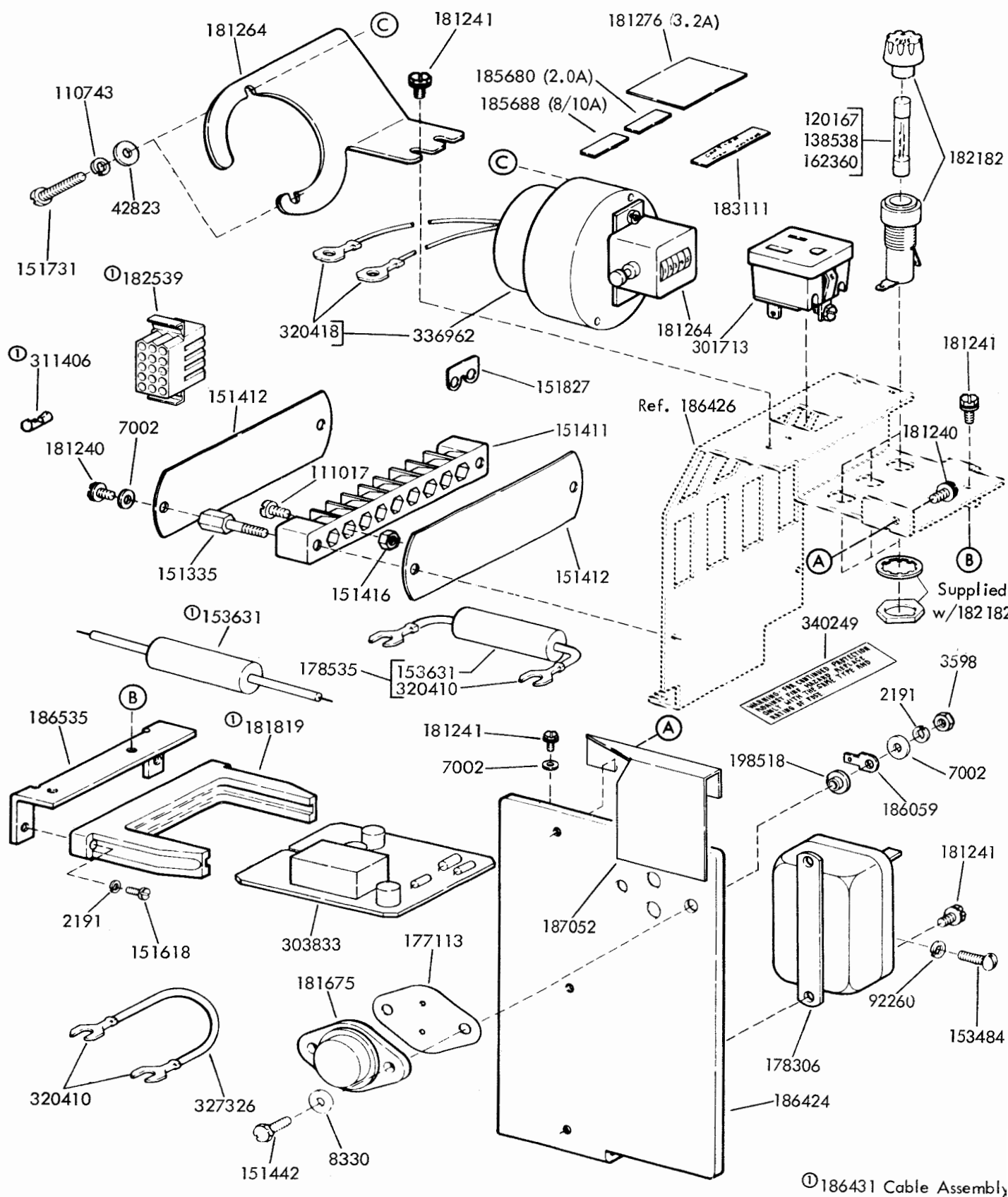


Fig. 8 - Baseplate and Electrical Components (Cont)

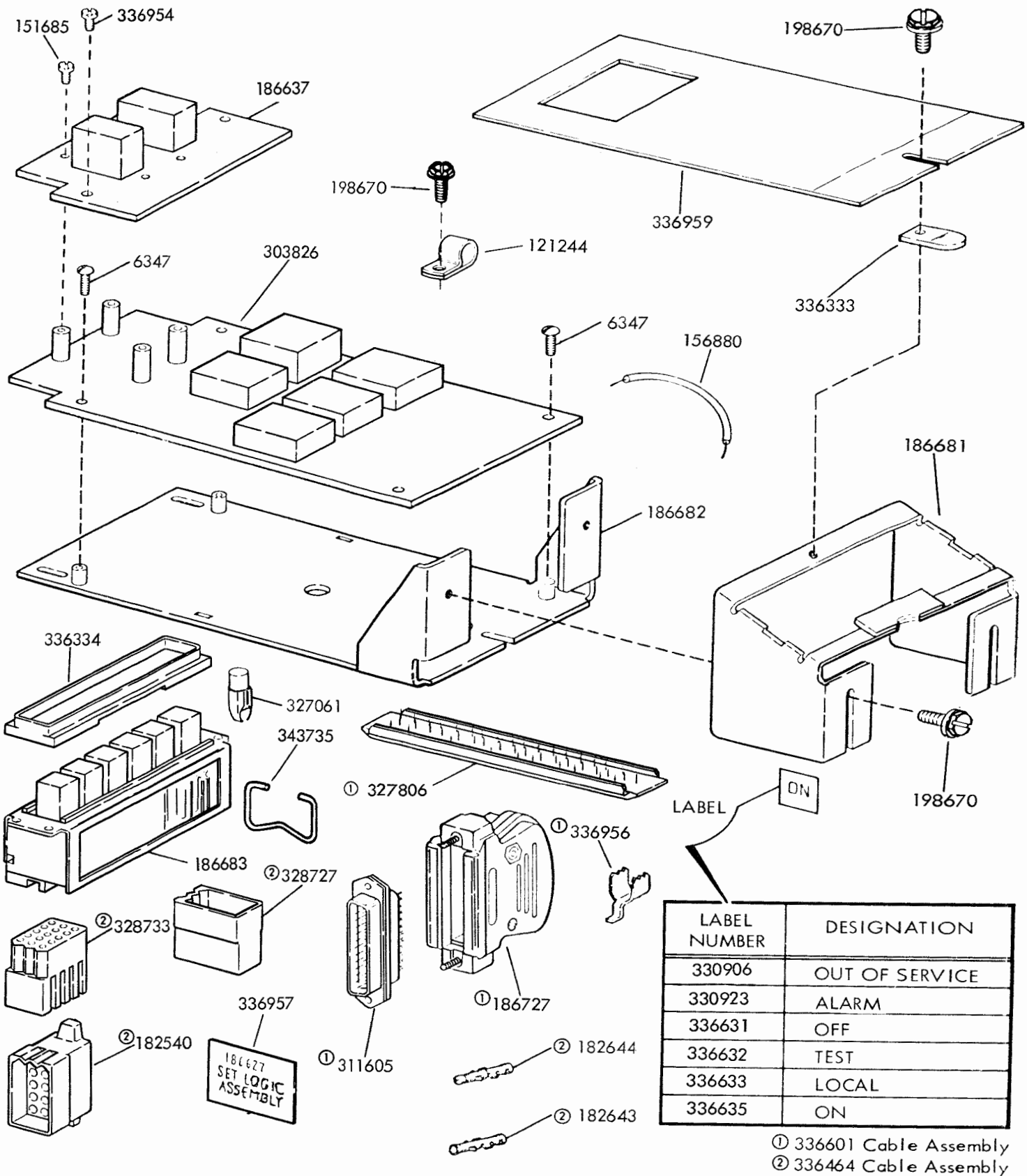


Fig. 9 - 186627 Set Interface Logic Assembly

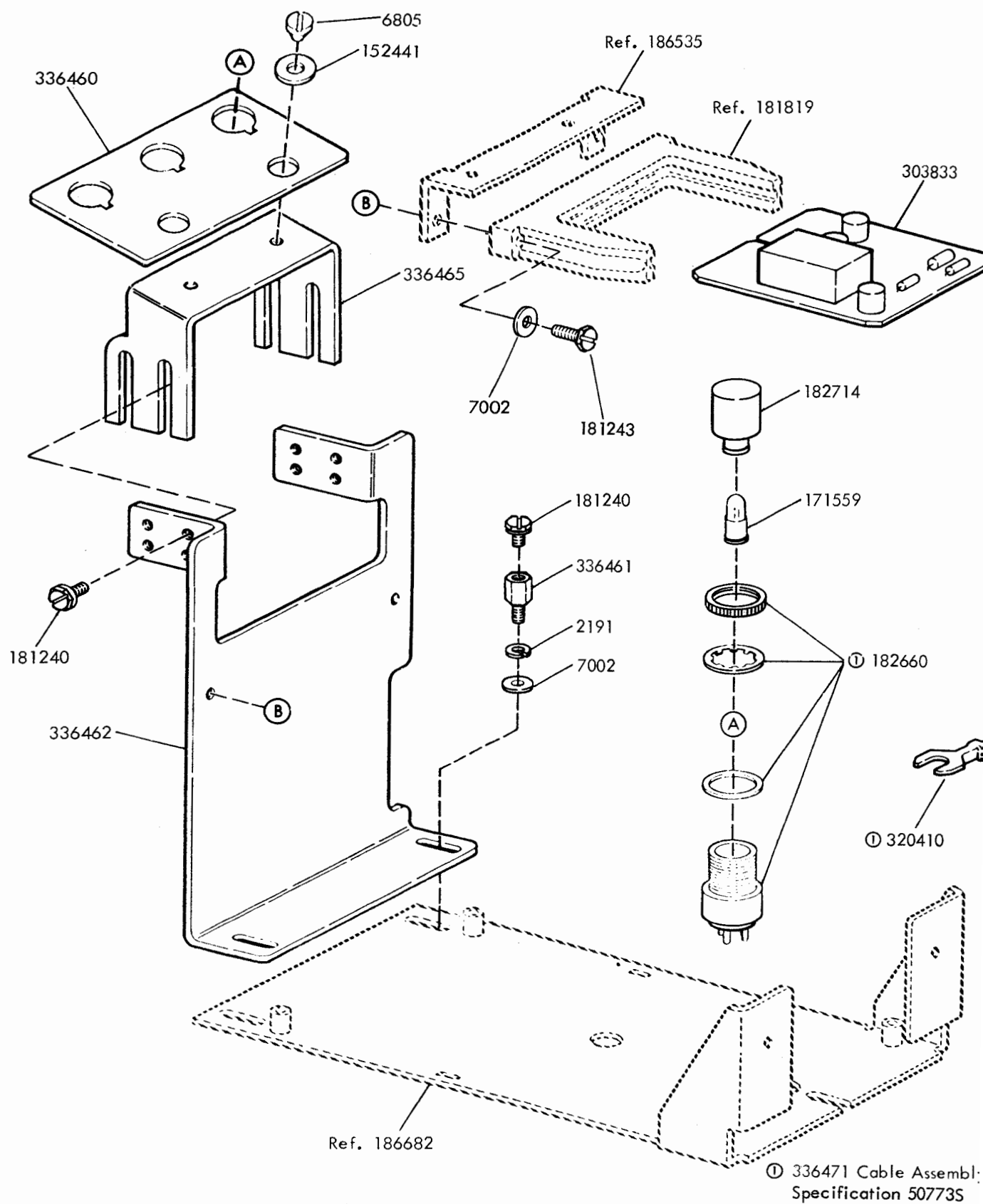
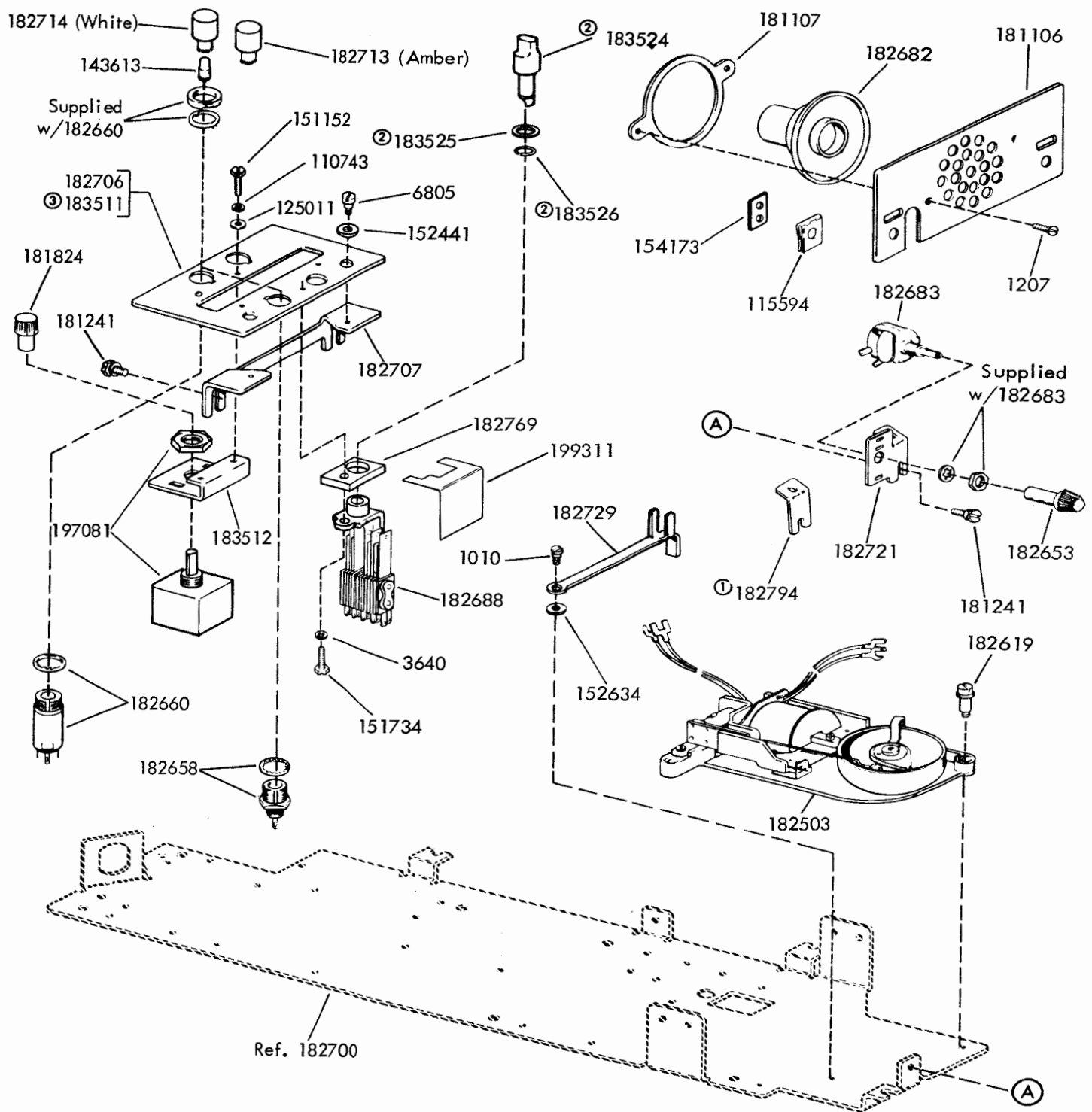


Fig. 10 - 186630 Modification Kit To Provide Break Detection and Indication



- ①No longer available. Replaced by 182721
②Part of 182688
③Accepts the 183512 Bracket and Switch

Fig. 11 - Alarms and Speaker

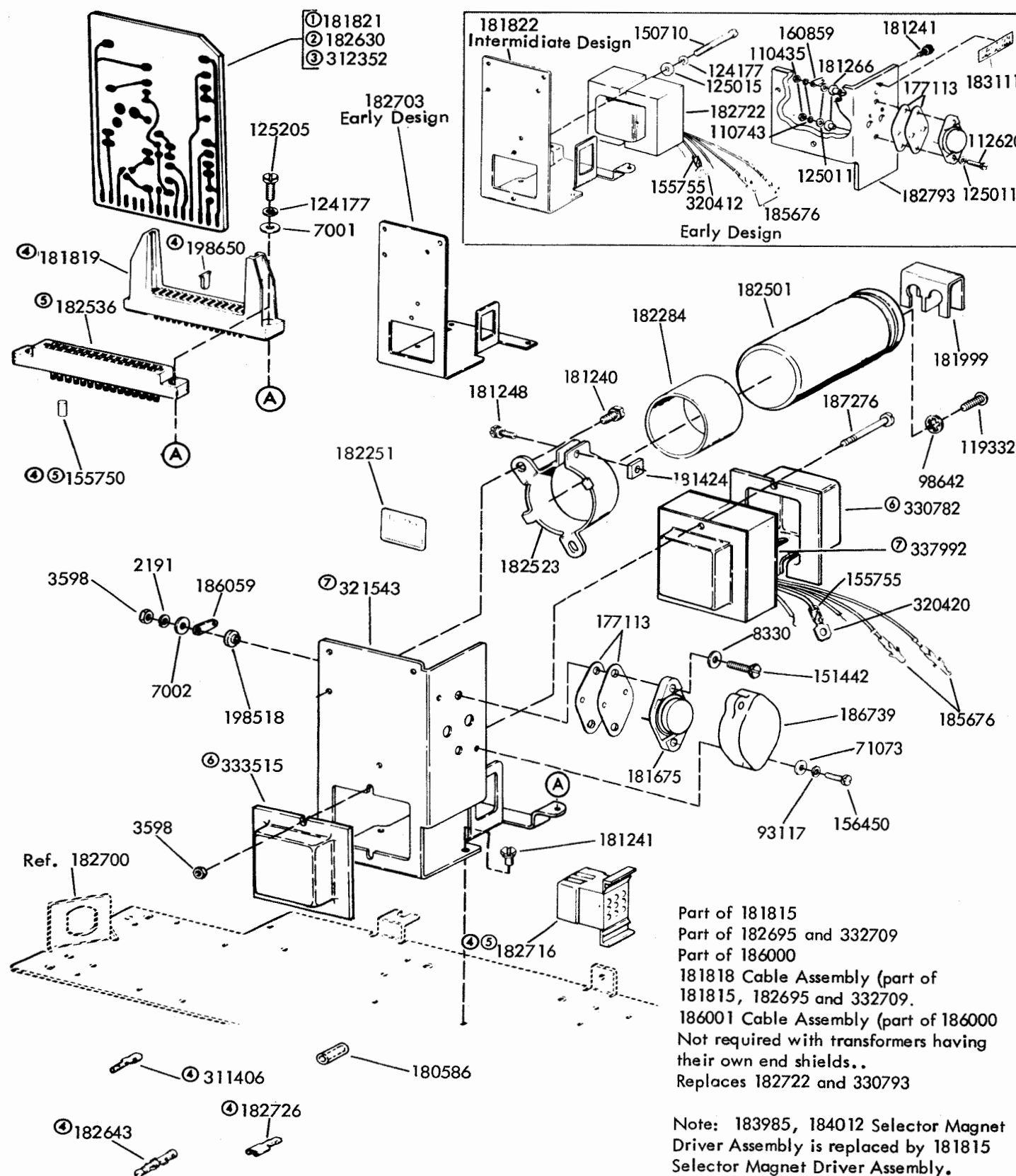


Fig. 12 - 181815, 182695, 186000 and 332709 Selector Magnet Driver Assemblies

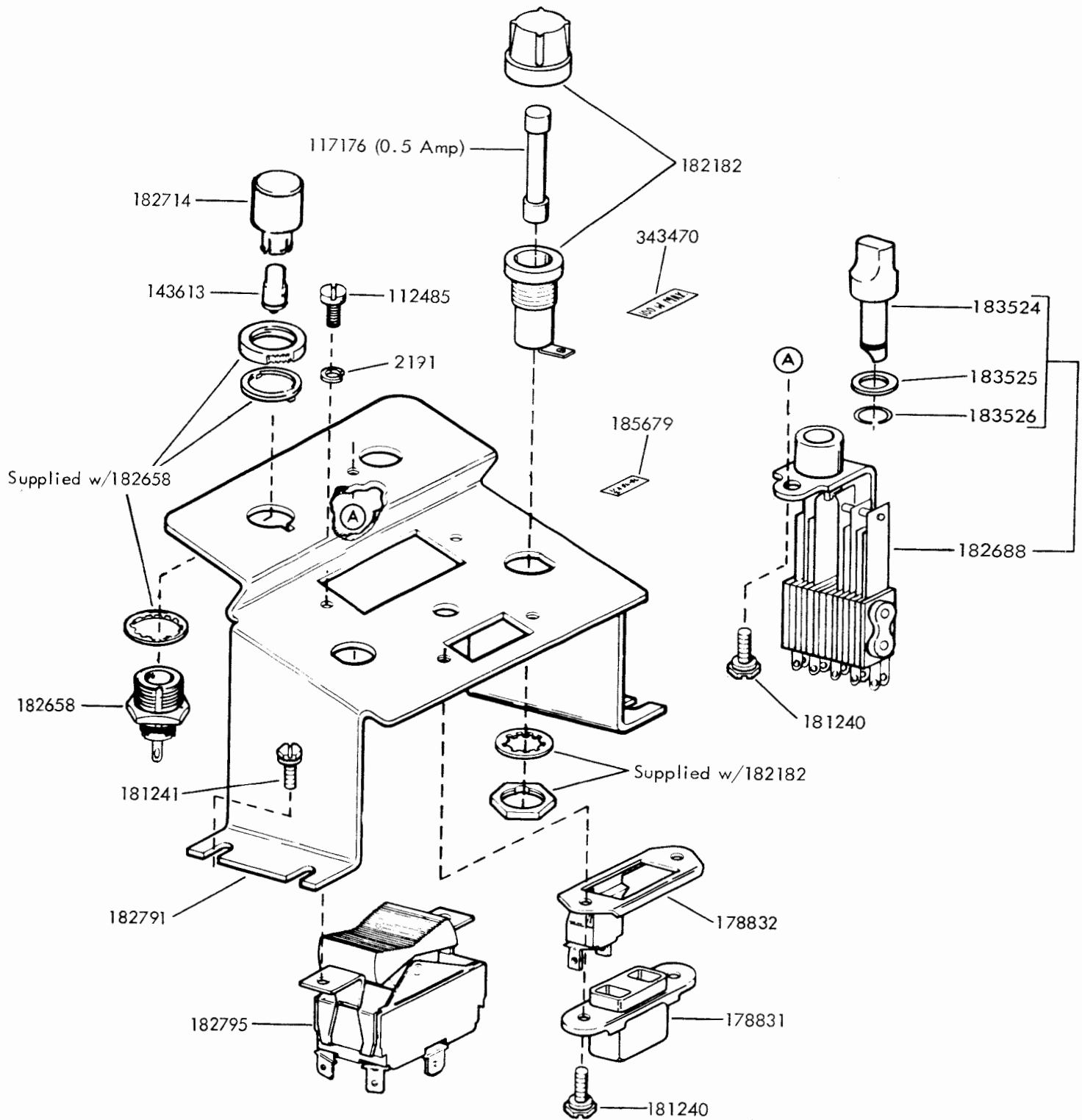


Fig. 13 - Receive-Only Bracket Components

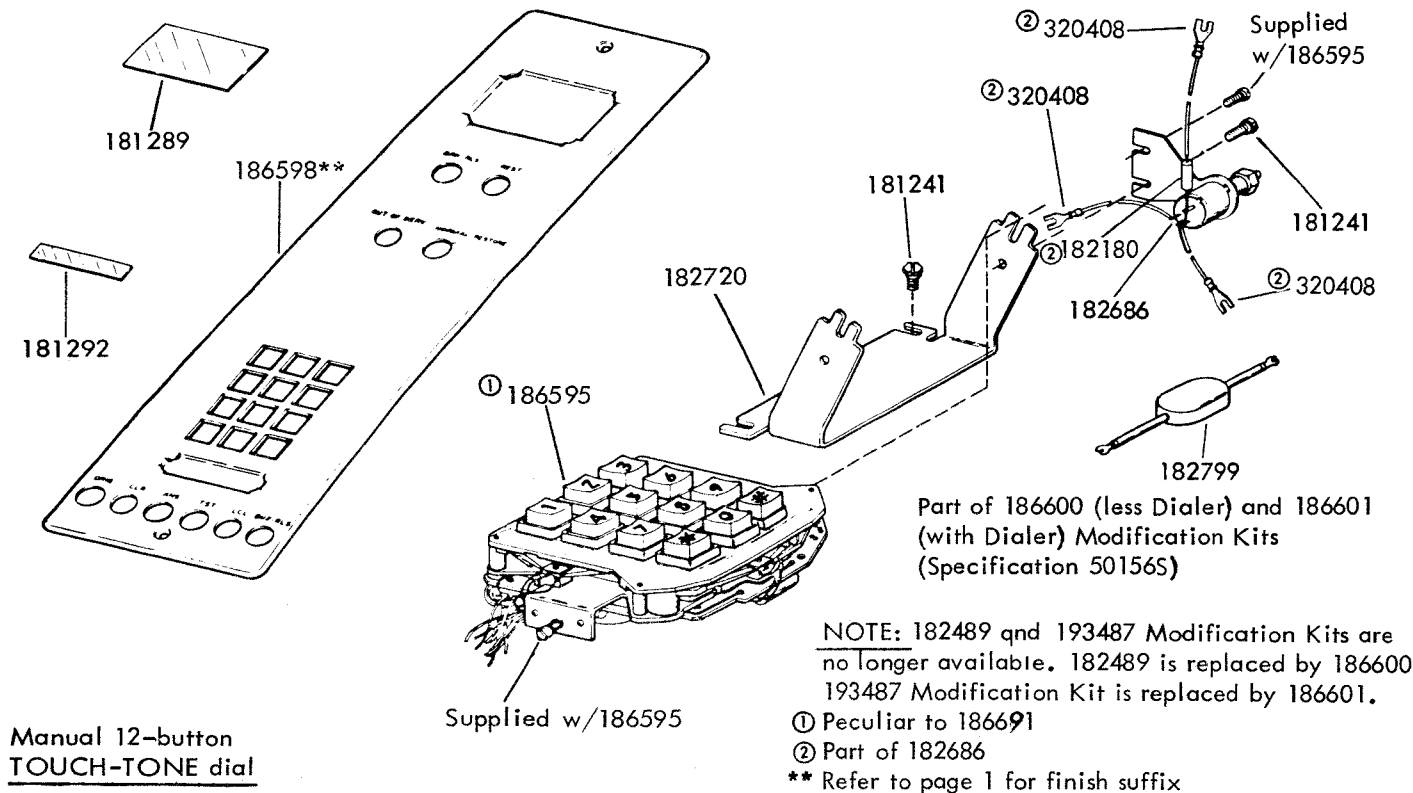
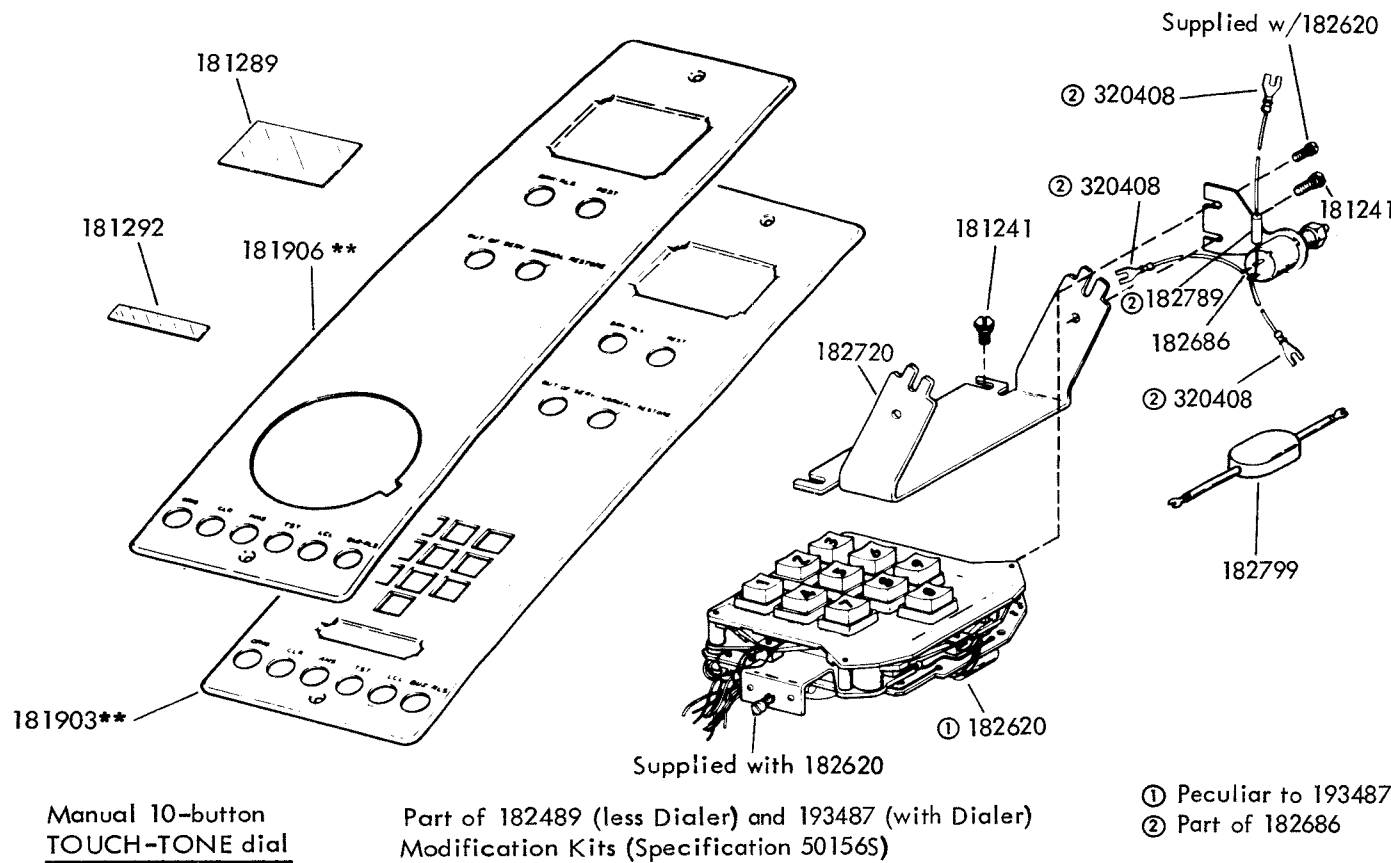


Fig. 14 - 182489, 193487, 186600 and 186601 Dial Modifications

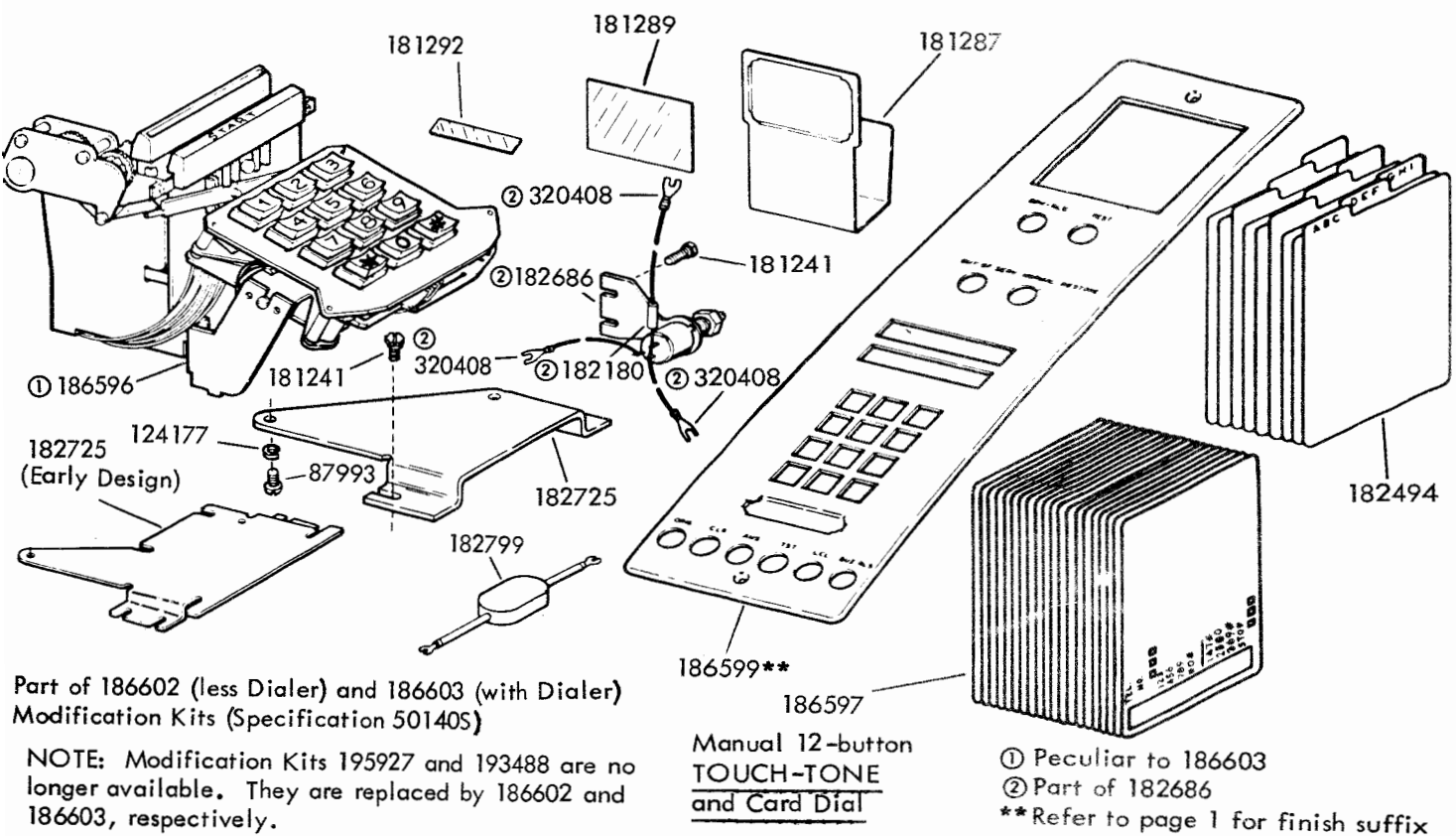
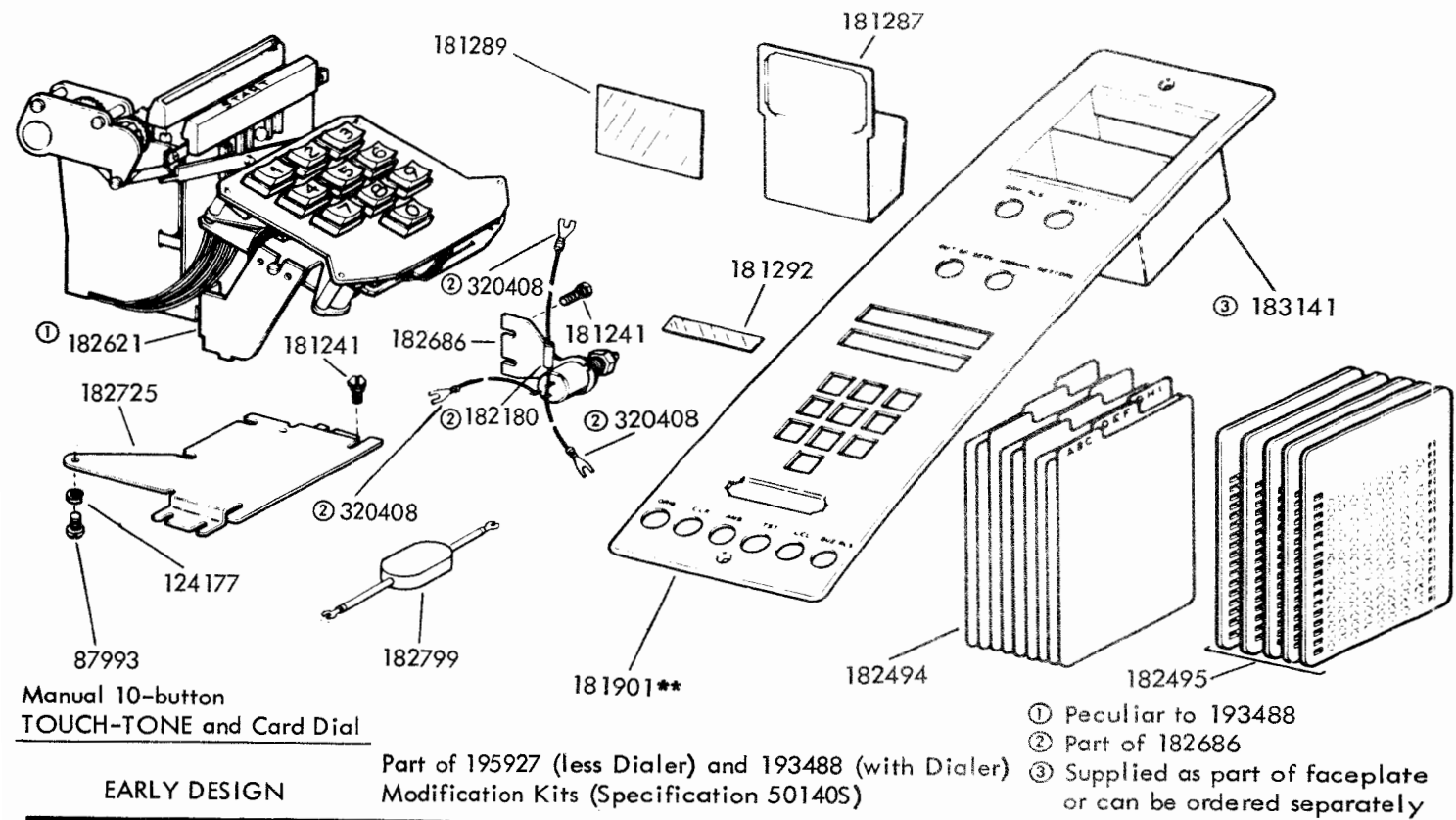
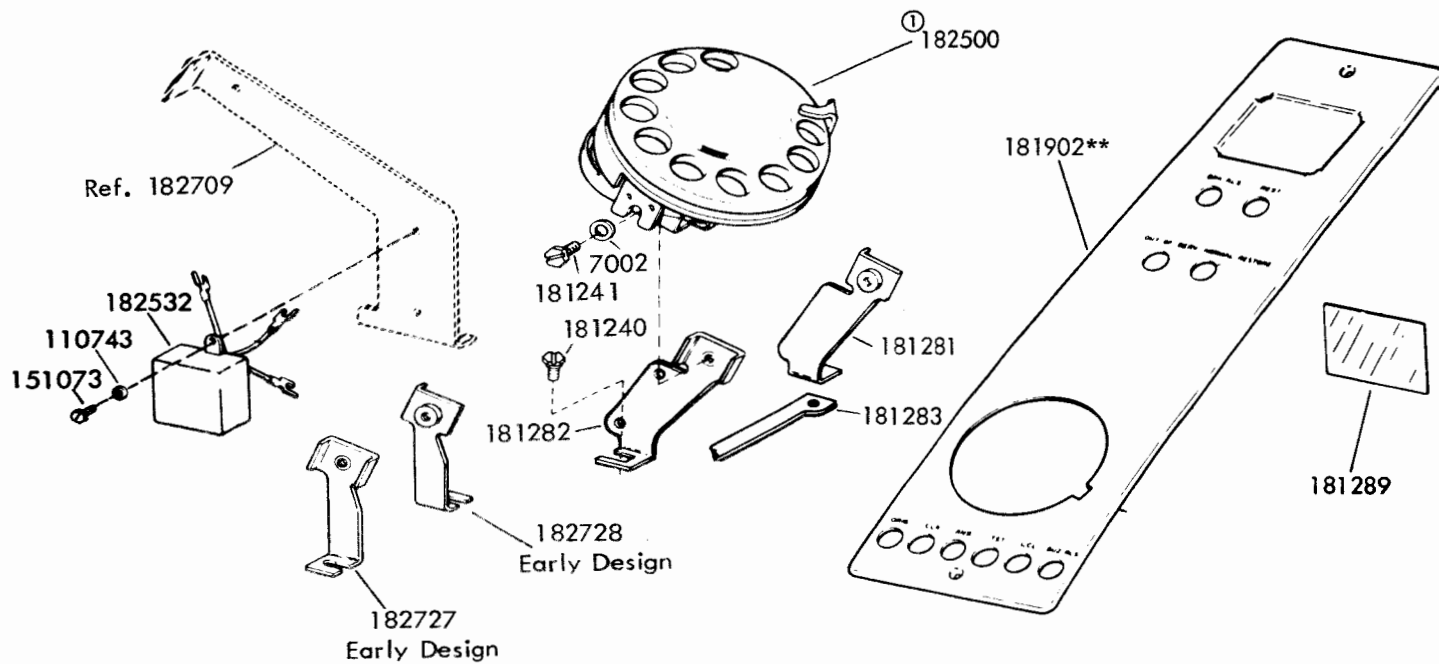


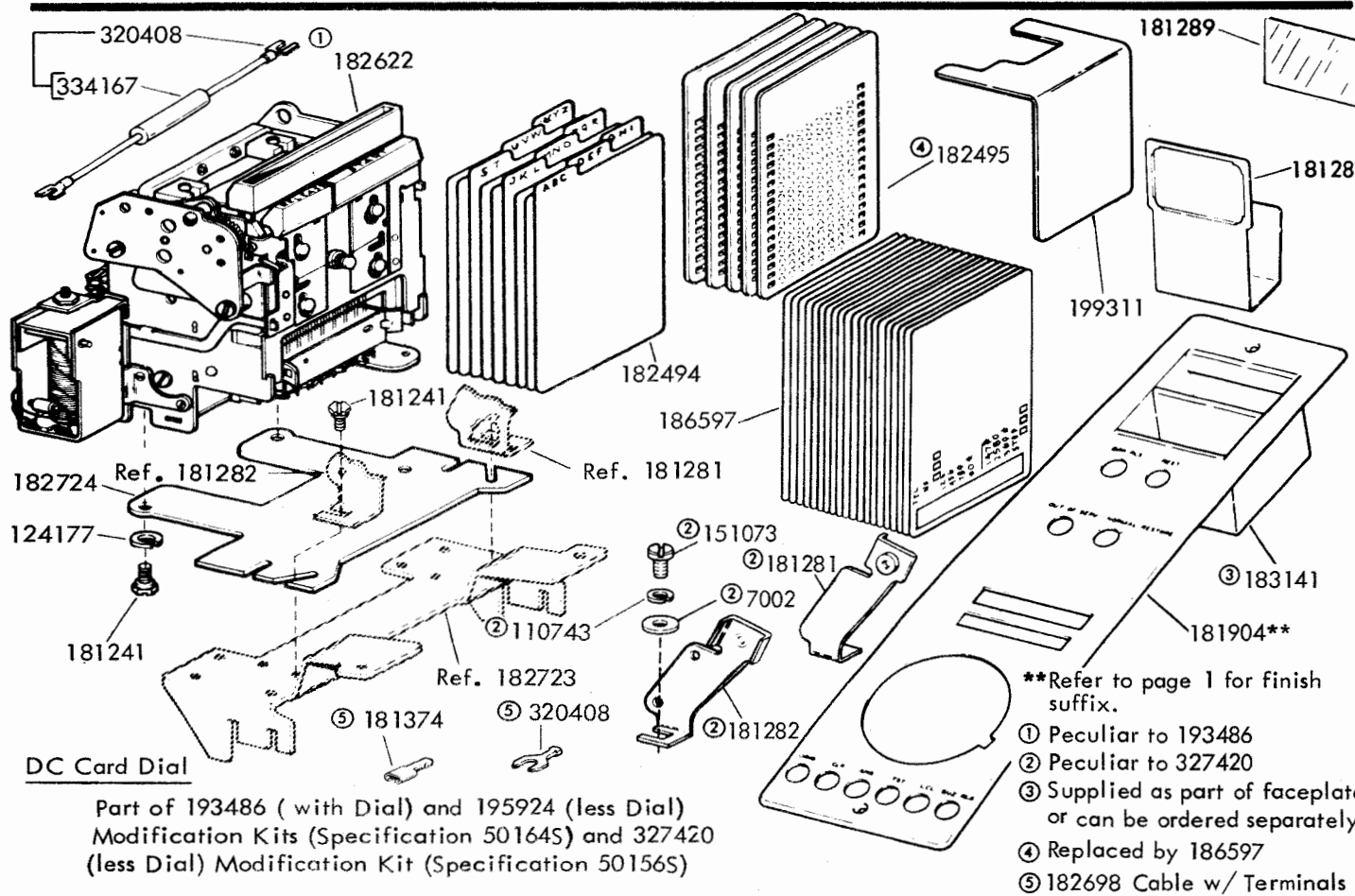
Fig. 15 - 186602 and 186603 Dial Modifications



Rotary Dial Part of 193489 (with Dialer) and 195926 (less Dialer)
Modification Kits (Specification 501565)

① Peculiar to 193489

** Refer to page 1 for finish suffix



DC Card Dial

Part of 193486 (with Dial) and 195924 (less Dial)
Modification Kits (Specification 501645) and 327420
(less Dial) Modification Kit (Specification 501565)

**Refer to page 1 for finish suffix.

① Peculiar to 193486

② Peculiar to 327420

③ Supplied as part of faceplate
or can be ordered separately

④ Replaced by 186597

⑤ 182698 Cable w/ Terminals

Fig. 16 - 193486, 193489, 195924, 195926 and 327420 Dial Modifications

KEY ASSEMBLY PART LOCATION TABLE							
POSITION			182581	182582			182589
F	Plunger Switch			182559 182562			182559
E	Plunger Switch		182667 182562	182559 182561			182559 182562
D	Plunger Switch		182667 181638	182559 182562			182559 182562
C	Plunger Switch		182667	182559 182562			182559
B	Plunger Switch		182667 182562	182559 182562			182559
A	Plunger Switch			182559 182562			182559 182562
Plunger Spring			182554	182554			182554
Lockout				182556			182556
Latch Bar				182666			182666
Latch Spring				182535			182535
Bracket			181637	182557			182557

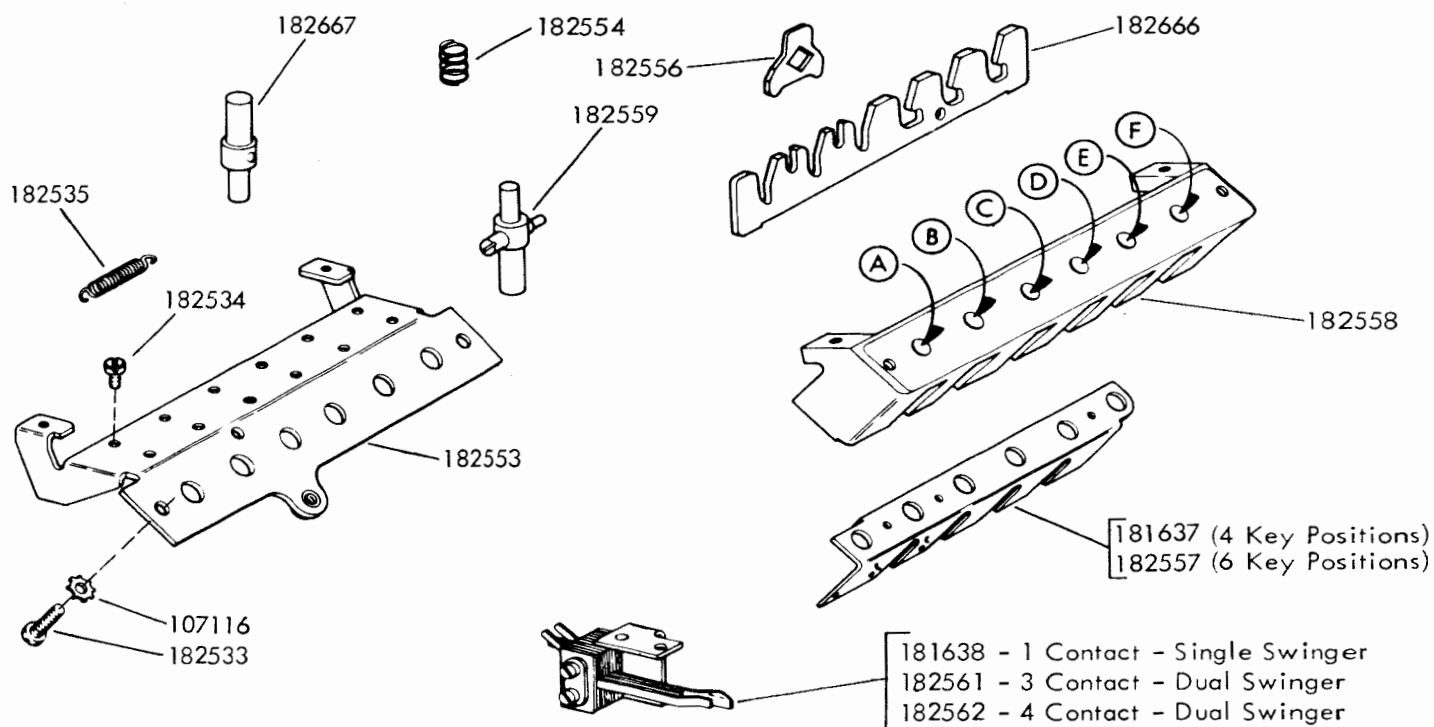


Fig. 17 - Key Assemblies

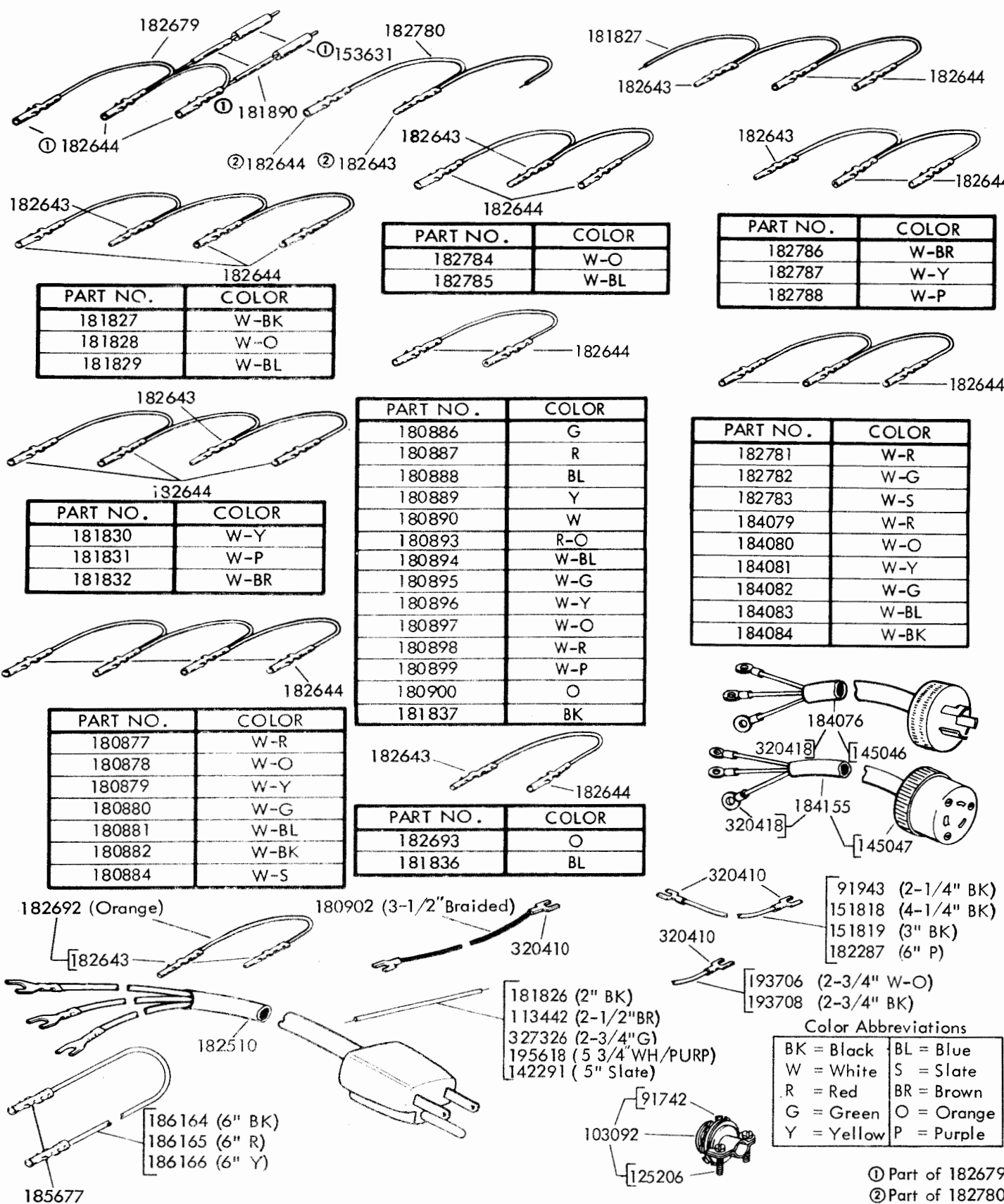


Fig. 18 – Cable Components, Power Cord and Jumpers

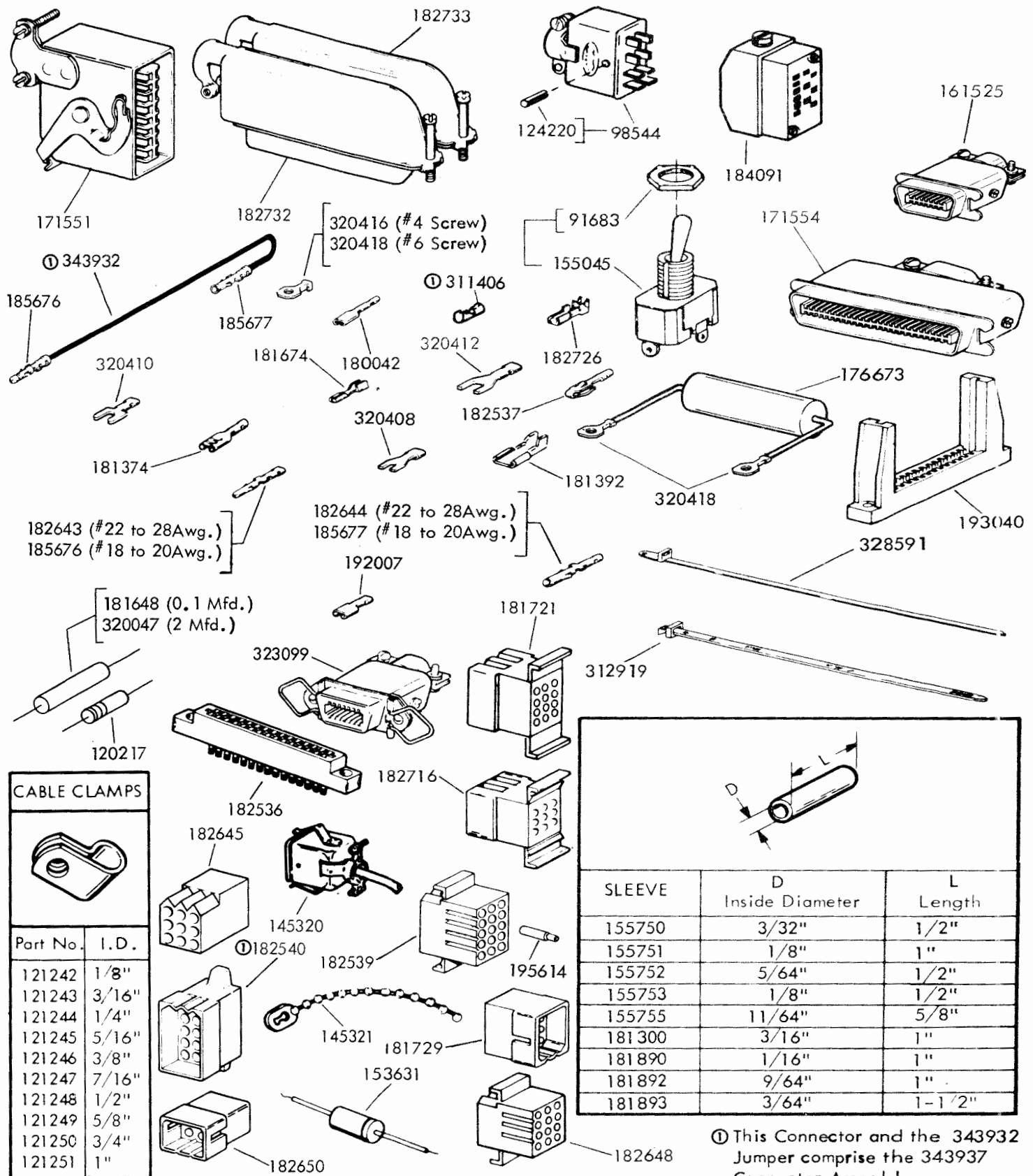


Fig. 18 - Cable Components, Power Cord and Jumpers (Cont)

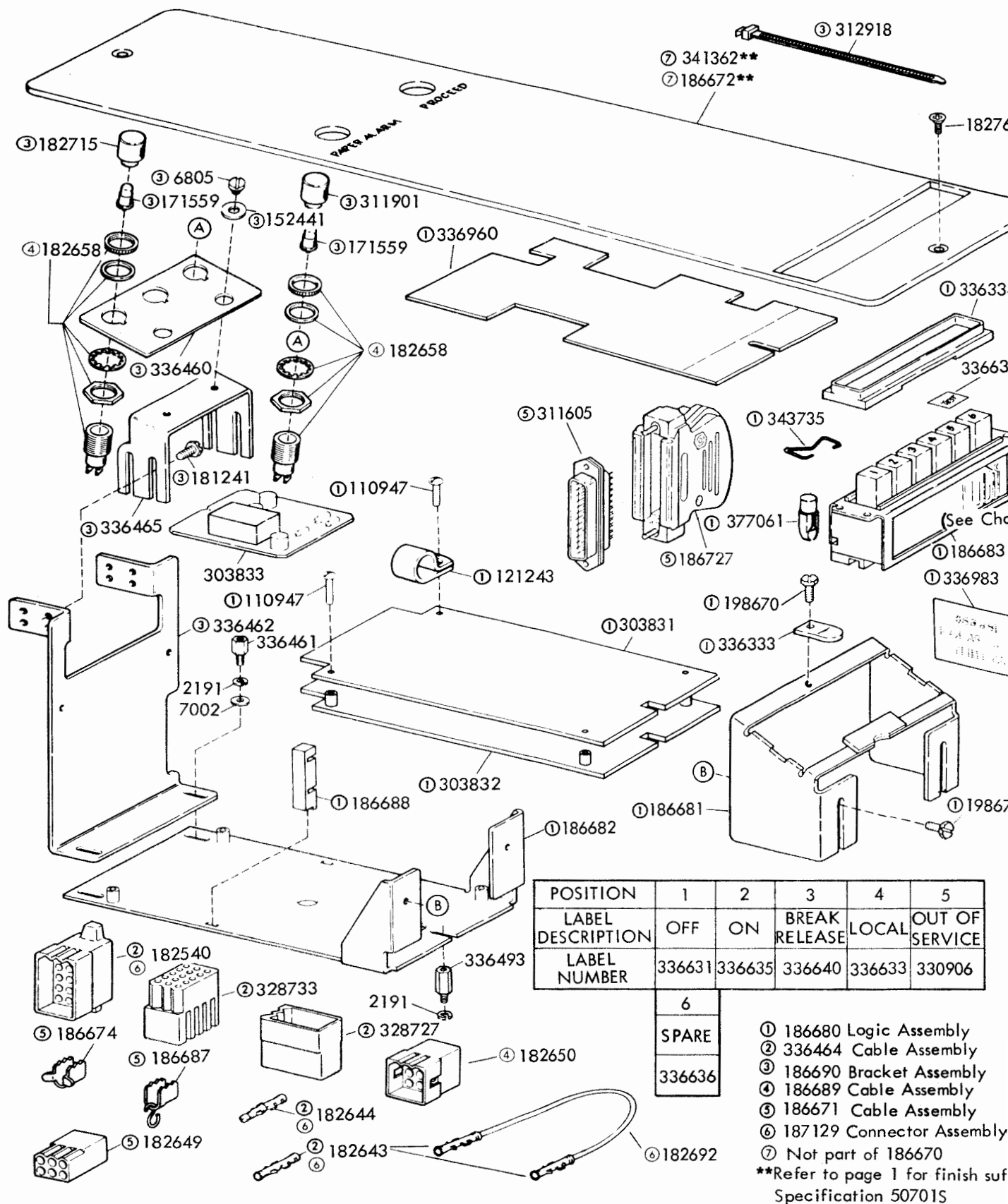


Fig. 19 - 186670 Modification Kit To Provide Private Line

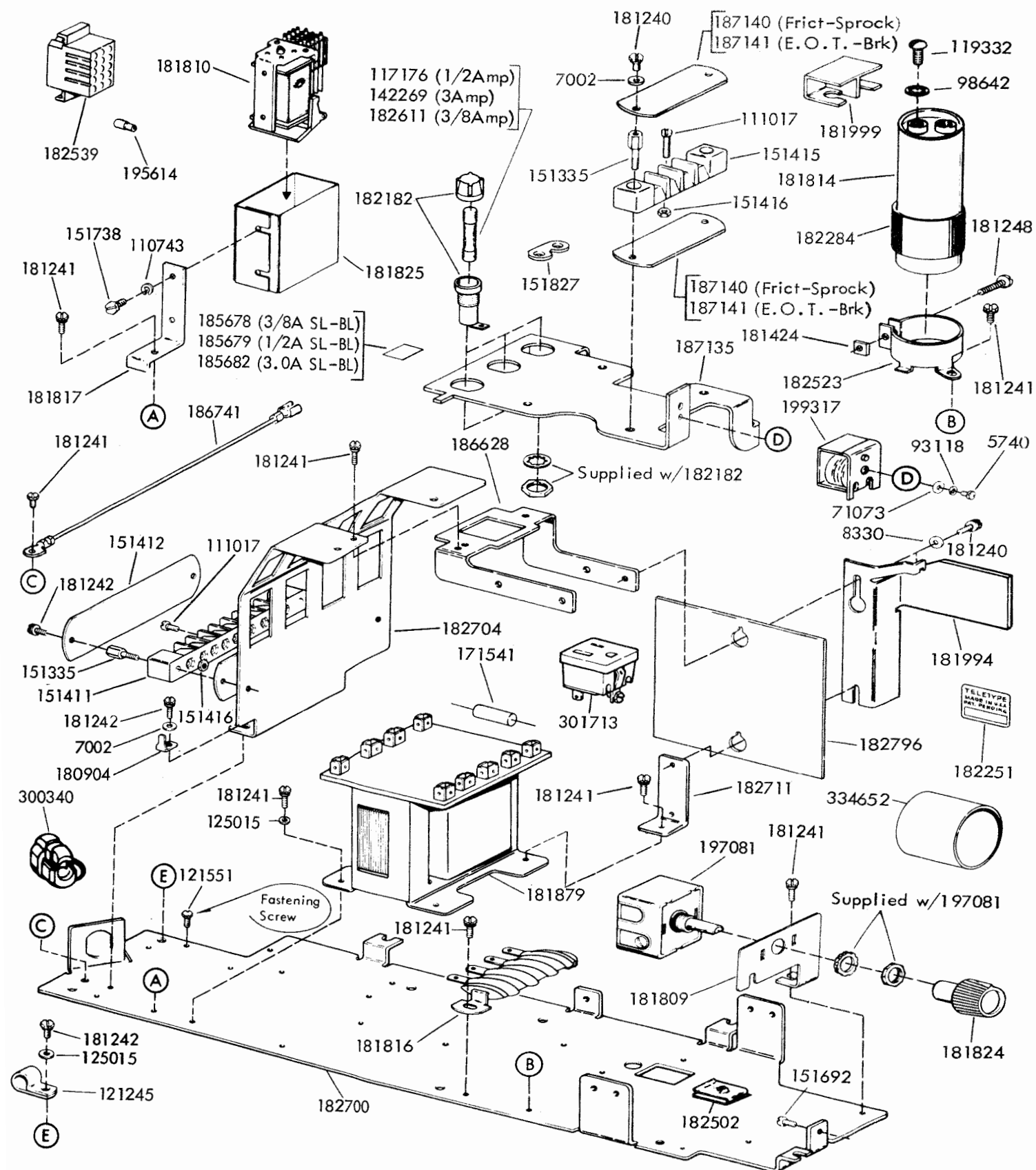


Fig. 20 - Baseplate and Electrical Components For Private Wire Service

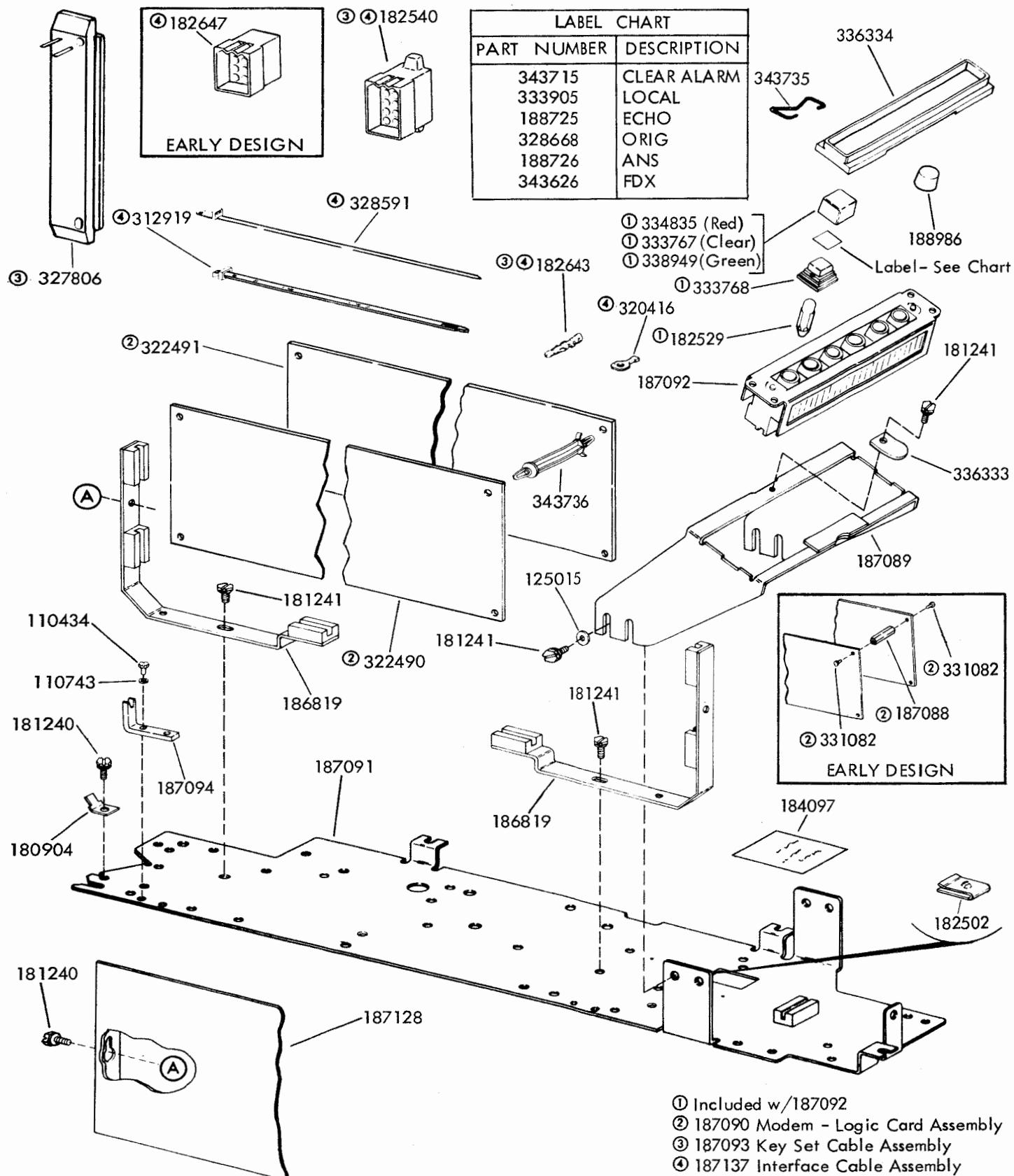


Fig. 21 - Call Control w/Modem-Logic Cards

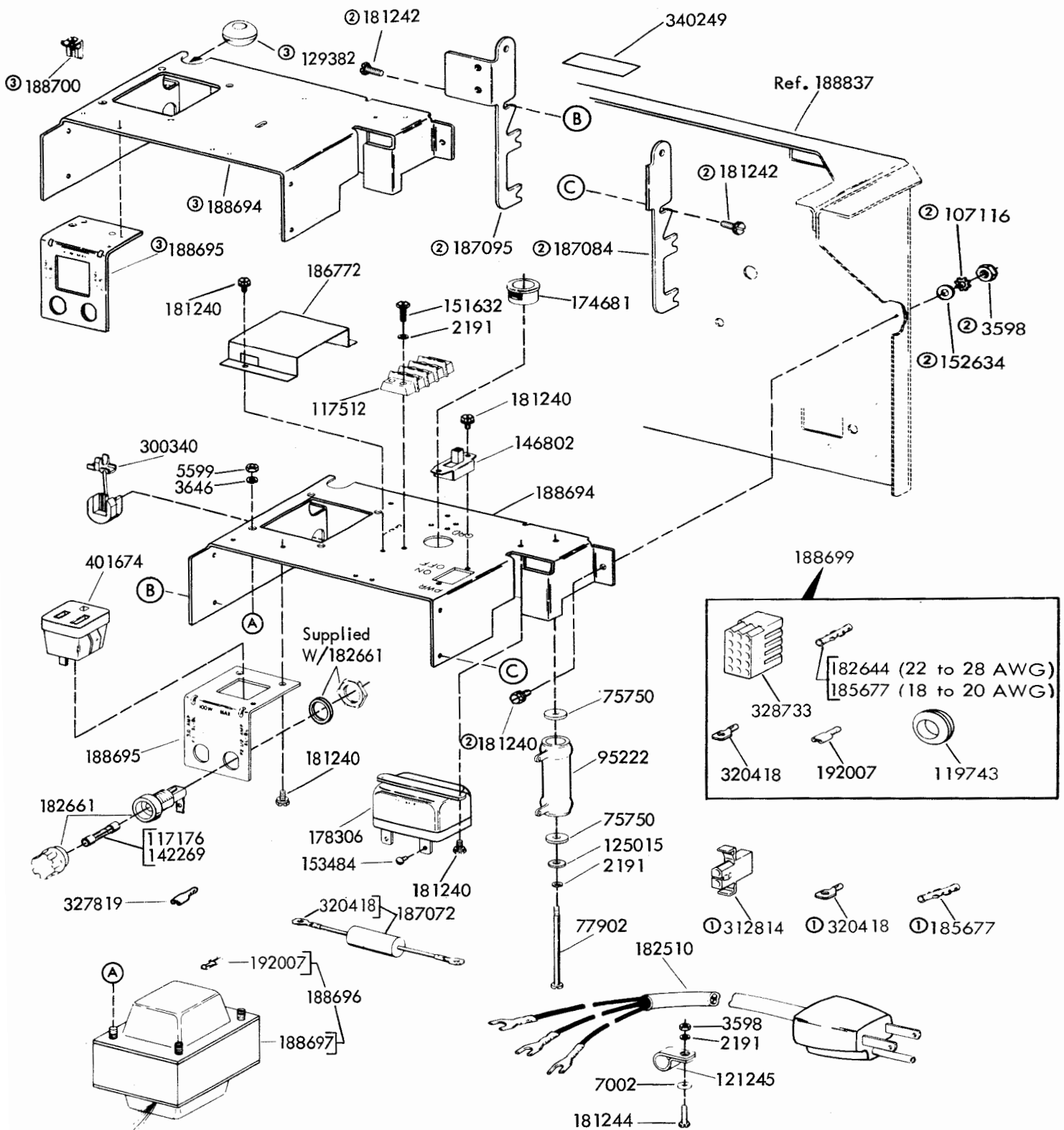


Fig. 22 - 188865 Power Supply Assembly

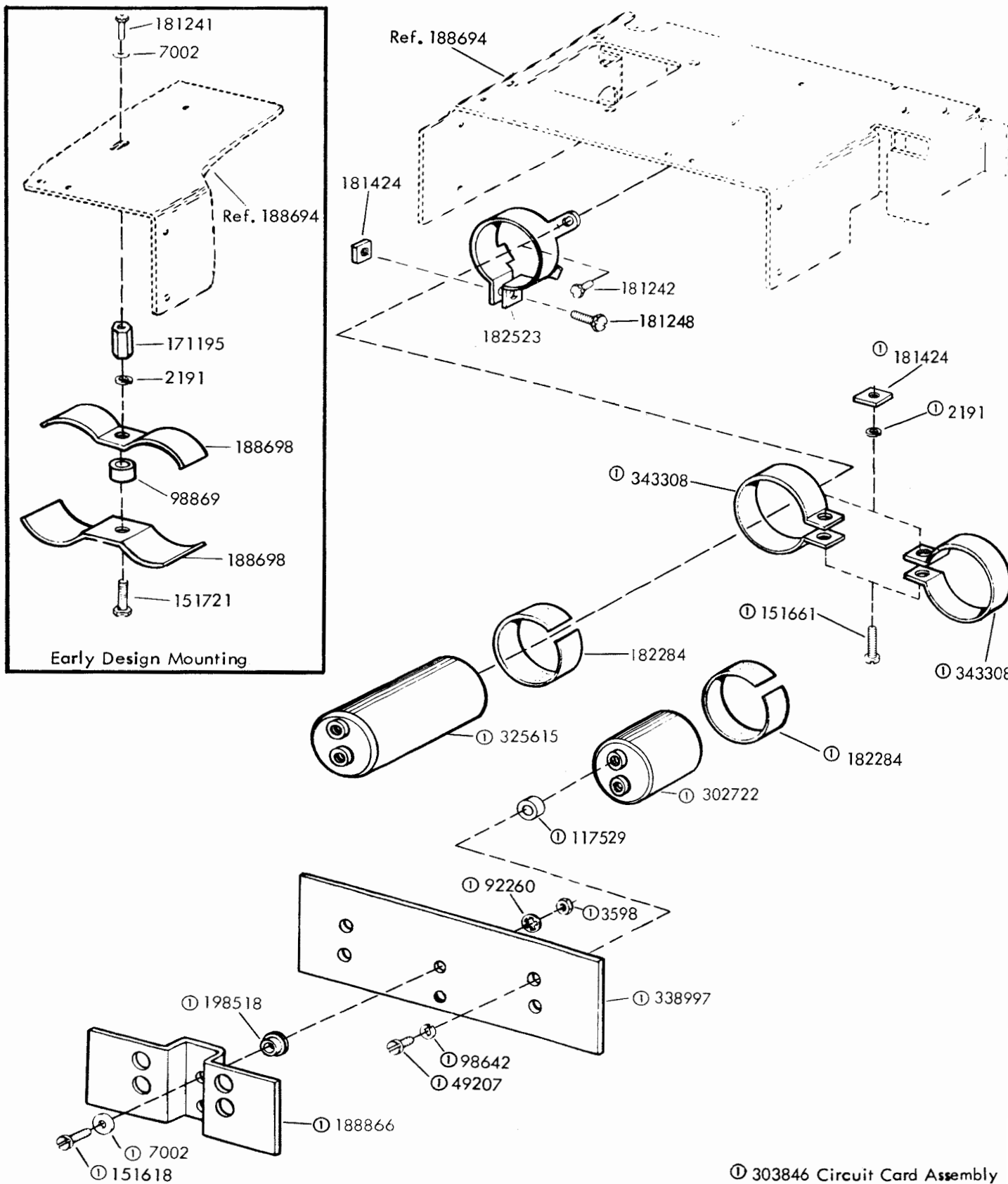


Fig. 22 - 188865 Power Supply Assembly (Cont)

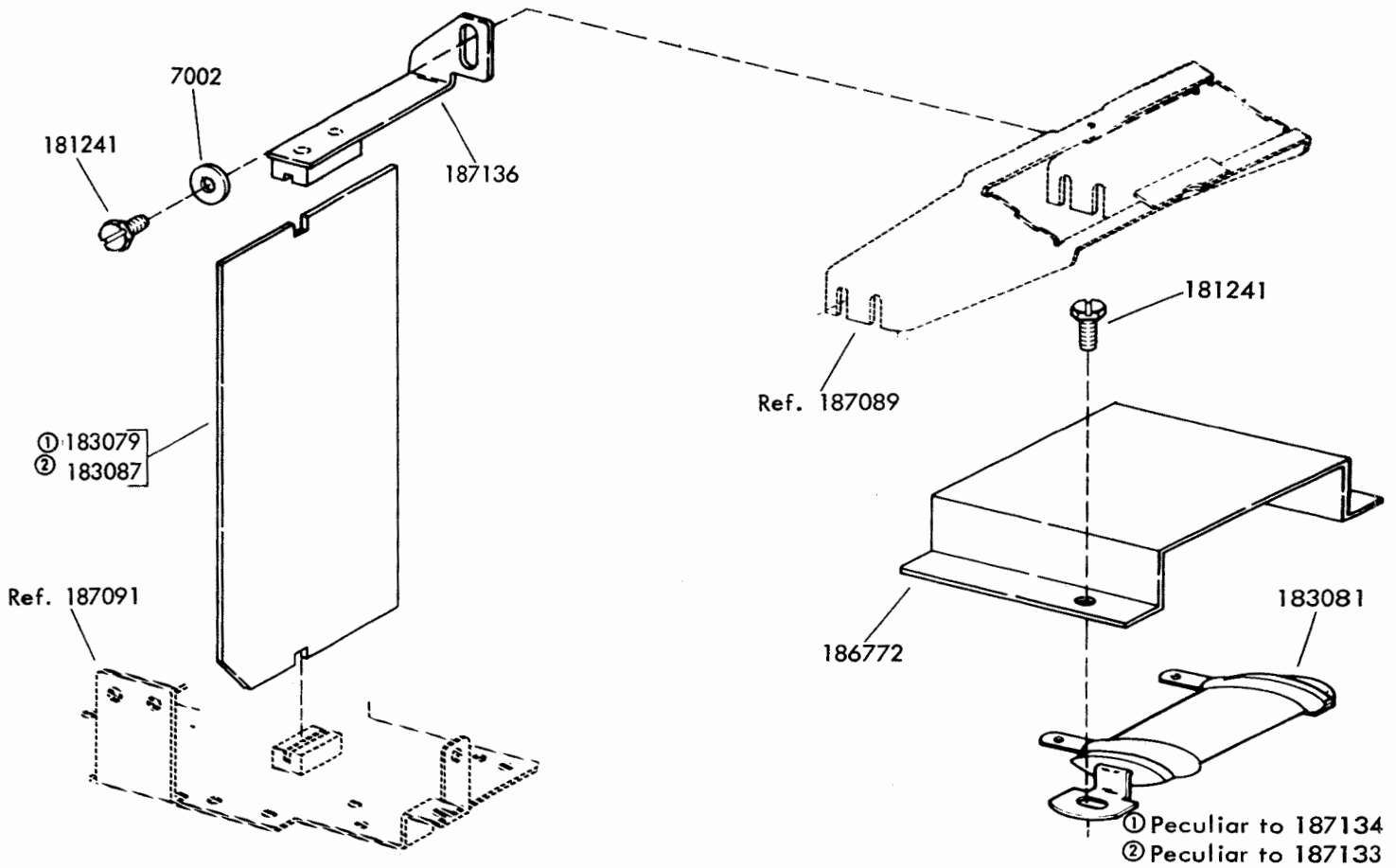


Fig. 23 - 187133 (Manual) and 187134 (Automatic) Reader Card Set of Parts

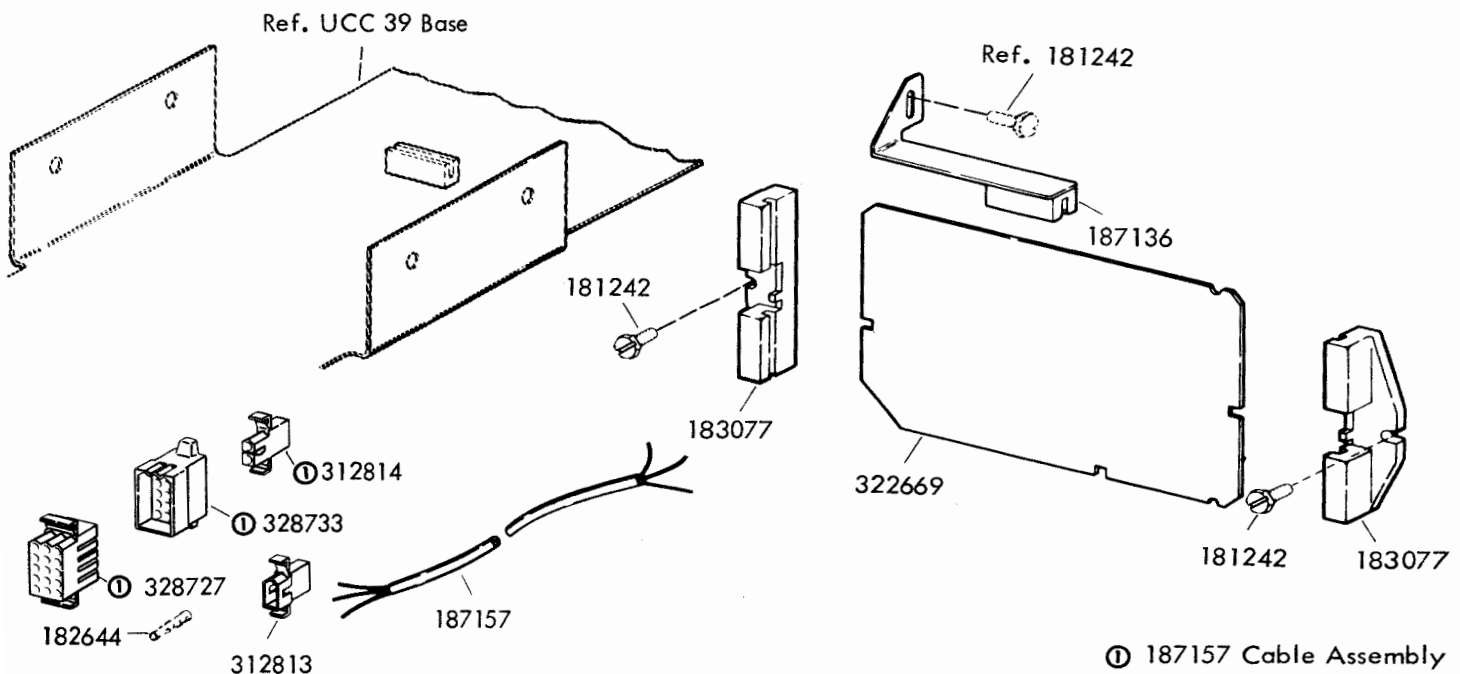


Fig. 24 - 187156 Modification Kit To Add 20/60 MA DC Interface

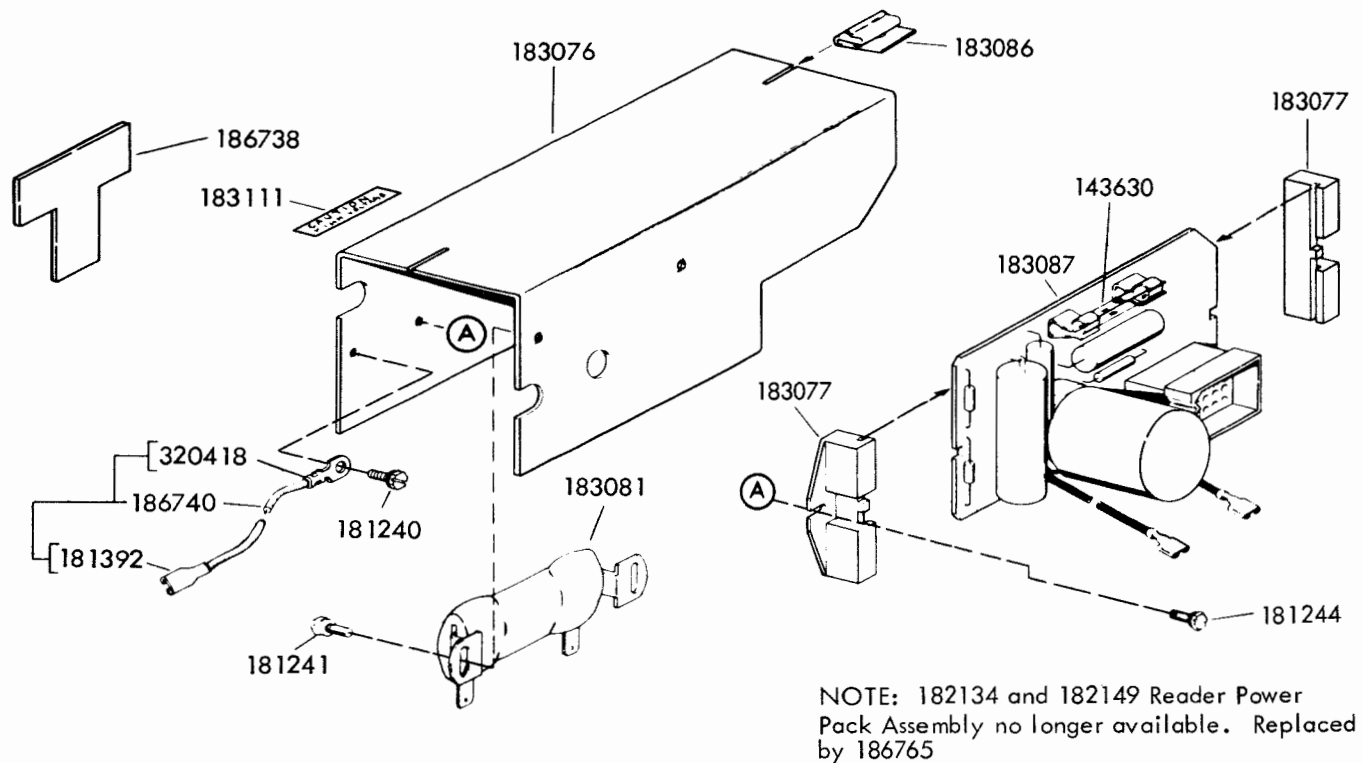


Fig. 25 - 182134 and 182149 Reader Power Pack Assembly

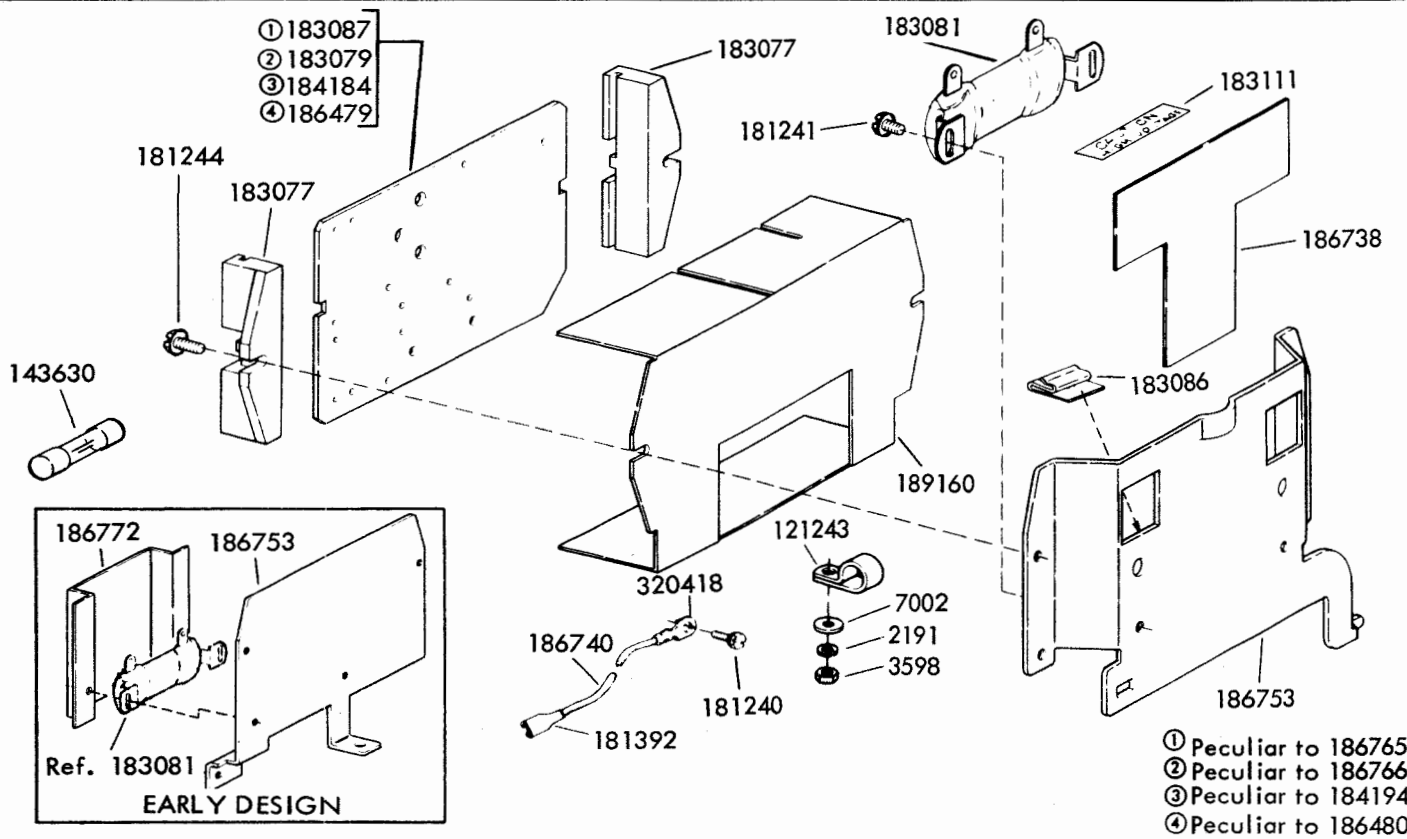


Fig. 26 - 186765 (Manual), 186766 (Automatic), 184194 and 186480 Power Pack Assemblies

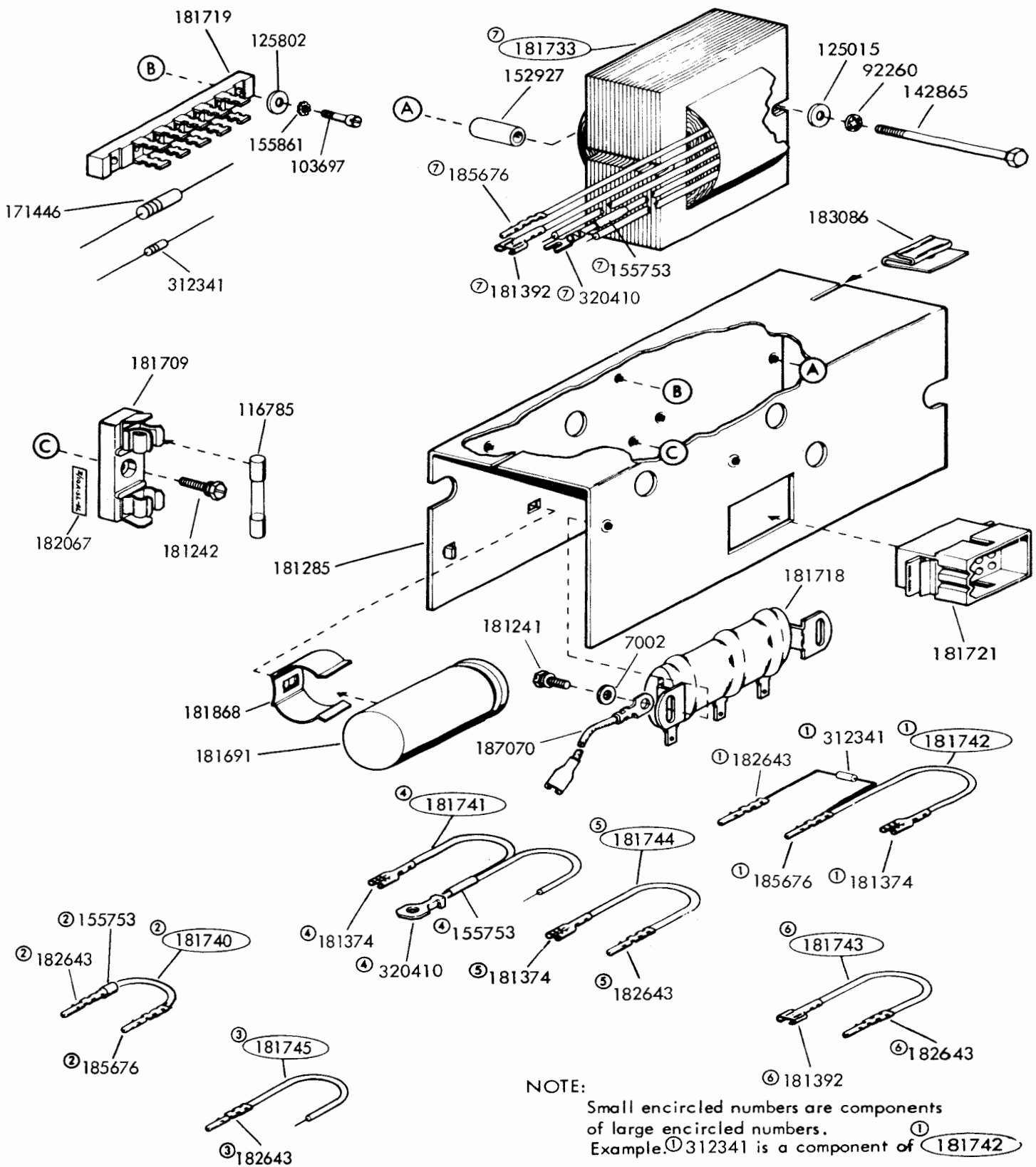


Fig. 27 - 181720 Power Pack Assembly

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1010	Screw, 6-40 Shoulder 17	110743	Lockwasher 2,3,5 to 8,14	143613	Lamp, 14V Incandescent 2, 17,19
1018	Screw, 3-48 x 5/16 Fil 4		17,18,22,27,28		
1028	Screw, 4-40 x 1/4 Fil 3	110947	Screw, 6-32 x 13/16 Rd 26	143630	Fuse, .75 Amp 32
1207	Screw, 4-36 x 5/16 Flat 17	111017	Screw, 6-40 x 5/16 Fil 3,	144590	Screw, 6-40 x 1-3/8 Fil 4
2191	Lockwasher 2 to 5, 7, 10		5 to 11,14,27	145046	Connector, 3 Pt Plug 24
	to 14,16,18,19,26,30,32	111647	Resistor, 1,000 Ohms 3	145047	Connector, 3 Pt Receptacle 24
2846	Washer, Flat 12	112485	Screw, 6-32 x 1/4 Fil 2,19		
3598	Nut, 6-40 Hex 4 to 6, 9 to	112620	Screw, 4-40 x 1/2 Hex 3,18	145320	Connector, 4 Pt Receptacle 25
	11,14,18,29,30,32	113442	Jumper, 2-1/2" Brown 24		
3606	Nut, 6-40 Hex 4,13	115594	Nut, Speed 17	145321	Tie, Cable 25
3640	Lockwasher 12,17	116785	Fuse, .3 Amp 33	146802	Switch SP-ST Slide 29
3646	Lockwasher 10,29	117176	Fuse, SL-BL 0.5 Amp 2,6,9,	147209	Switch, SP-ST Pushbutton 7
3649	Washer, Flat 4,6,7		19,27,29		
5599	Nut, 8-32 Hex 10,29	117512	Block, Terminal 29	148157	Knob, Gray 7
5740	Screw, 2-56 x 1/4 Fil 27	117529	Spacer, .281" Thk 30	150710	Screw, 6-40 x 1-1/4 Fil 10, 18
6347	Screw, 6-32 x 3/8 Rd 15	119332	Screw, 10-32 x 1/4 Rd 4,8,		
6805	Screw, 6-40 Shoulder 16,		18,17	150966	Insulator, Terminal 3
	17,26	119743	Grommet, Rubber 29	150978	Screw, 6-40 x 1-1/8 Fil 4
7001	Washer, Flat 13,18	120167	Fuse, SL-BL 3.2 Amp 6,7,9,	150982	Screw, 4-40 x 7/16 Fil 3
7002	Washer, Flat 2 to 14, 16,18,		14	151073	Screw, 4-40 x 5/32 Fil 22
	22,26,27,29 to 33	120217	Resistor, 1200 Ohm 25	151152	Screw, 4-40 x 3/16 Hex 17
8330	Washer, Flat 6,7,10,11,14,18	121242	Clamp, 1/8 ID Cable 25	151335	Stud 3,5,6,7,9,10,11,14,27
	27	121243	Clamp, 3/16 ID Cable 25,	151411	Block, Terminal 5 to 7, 9
42823	Washer, Flat 5,6,14		26,32		to 11, 14,27
49054	Screw, 2-56 x 3/16 Flat 12	121244	Clamp, 1/4 ID Cable 15,25	151412	Insulator Terminal 5 to 7,9
49207	Screw, 10-32 x 9/16 Rd 30	121245	Clamp, 4/16 ID Cable 7,8,		to 11,14,27
70072	Lockwasher 4		10,25,27,29	151415	Block, Terminal 3,27
71073	Washer, Flat 18,27	121246	Clamp, 3/8 ID Cable 25	151416	Nut, 6-40 Hex 3,5,6,7,9 to
72254	Washer, Flat 7	121247	Clamp, 7/16 ID 25		11,14,27
75750	Washer, Insulating 3,29	121248	Clamp, 1/2 ID Cable 25	151442	Screw, 6-40 x 1/2 Hex 4,10,
77362	Resistor, 350 Ohm 3	121249	Clamp, 5/8 ID Cable 25		12,14,18
77902	Screw, 6-40 x 2-3/8 RD 3,	121250	Clamp, 3/4 ID Cable 25	151610	Washer, Flat 12
	29	121251	Clamp, 1 ID Cable 25	151618	Screw, 6-40 x 7/16 Fil 14,
		121551	Screw, 8-32 x 1/4 Hex 2,3,		30
87993	Screw, 6-40 x 5/32 Fil 21		8,10,11,27	151630	Screw, 6-40 x 1/4 Hex 2
90787	Screw, 4-40 x 3/8 Hex 2			151632	Screw, 6-40 x 2/8 Hex 29
91683	Nut, 15/32-32 Hex 25	124177	Lockwasher 4,6,7,8,18,21,	151657	Screw, 6-40 x 1/4 Fil 7
91742	Locknut 24		22	151660	Screw, 6-40 x 7/8 Fil 6,7,13
91943	Jumper, 2-1/4" Black 24	124220	Pin, Drive 25	151661	Screw, 6-40 x 1 Fil 30
92260	Lockwasher 2,14,30,33	125011	Washer, Flat 2,3,17,18	151685	Screw, 4-40 x 5/16 Fil 15
93117	Lockwasher 18	125015	Washer, Flat 3,4,6 to 10,	151687	Screw, 4-40 x 7/16 Fil 12
93118	Lockwasher 27		18, 27 to 29, 33	151692	Screw, 6-40 x 3/16 Fil 7,8,
95222	Resistor, 40 Ohm 19	125205	Screw, 6-40 x 7/16 Fil 18		11,27
96717	Screw, 4-40 Shoulder 2	125206	Screw, 6-32 x 5/8 Fil 24		
98544	Connector, 8 Pt Plug 25	125802	Washer, Flat 33	151693	Screw, 6-40 x 9/16 Fil 4
98642	Lockwasher 4,8,18,27,30	129382	Grommet, Rubber 29	151721	Screw, 6-40 x 3/4 Hex 30
98726	Screw, 3-48 x 1/4 Fil 4	138538	Fuse, SL-BL 2 Amp 9,14	151731	Screw, 4-40 x 7/8 Fil 5,6,14
98869	Spacer 30	142269	Fuse, SL-BL 3 Amp 9 to 11	151734	Screw, 4-40 x 3/8 Hex 17
103092	Connector, Cord 24		27,29	151738	Screw, Spl 7,8,27
103469	Screw, 4-40 Spl 12	142291	Jumper, 5" Slate 24	151818	Jumper, 4-1/4" Black 24
103697	Screw, 4-40 x 7/16 Fil 33	142865	Screw, 6-40 x 2-1/32 Hex	151819	Jumper, 3" Black 24
107116	Lockwasher 4,23,29		33	151827	Strap, Terminal 5,7,14,27
110434	Screw, 4-40 x 3/16 Fil 28	143311	Jack, Black 7	152441	Washer, Flat 16,17,26
110435	Nut, 4-40 Hex 18	143312	Jack, Red 7	152634	Washer, Flat 17,29

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
152761	Stud 7	180877	Jumper, 2-3/4" White-Red 24	181244	Screw w/Lockwasher, 6-40 x 7/16 Hex 29,32
152893	Screw, 4-40 x 1/4 Hex 2,3	180878	Jumper, 2-3/4" White-Orange 24	181245	Screw w/Lockwasher, 6-40 x 3/8 Hex 10
152927	Bushing 33	180879	Jumper, 2-3/4" White-Yellow 24	181248	Screw w/Lockwasher, 6-40 x 7/8 Hex 8,18,27,30
153484	Screw, 6-32 Spl 3,14,29	180880	Jumper, 2-3/4" White-Green 24	181263	Timer, Hour 6
153631	Network, Spark Suppression 5,14,24,25	180881	Jumper, 2-3/4" White-Blue 24	181264	Bracket 6,14
153799	Screw, 4-40 x 21/64 Hex 3	180882	Jumper, 2-3/4" White-Black 24	181265	Timer w/Terminals 6
154173	Plate 17	180884	Jumper, 2-3/4" White-Slate 24	181266	Bushing, Insulating 18
155045	Switch, SP-DT Toggle 25	180886	Jumper, 2-1/2" Green 24	181276	Nameplate 6,14
155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 12,18,25	180887	Jumper, 2-1/2" Red 24	181281	Bracket, Right 22
155751	Sleeve, 1/8 ID x 1" Lg Insulating 12,25	180888	Jumper, 2-1/2" Blue 24	181282	Bracket, Left 22
155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 25,33	180889	Jumper, 2-1/2" Yellow 24	181283	Spacer, .065" Thk 3,22
155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 25,33	180890	Jumper, 2-1/2" White 24	181285	Cover, Mounting 33
155755	Sleeve, 11/64 ID x 5/8" Lg Insulating 12,18,25	180893	Jumper, 2-1/2" Red-Orange 24	181287	Holder, Card 21,22
155861	Lockwasher 33	180894	Jumper, 2-1/2" White-Blue 24	181289	Window, Plastic 20 to 22
156450	Screw, 2-56 x 1/2 Fil 18	180895	Jumper, 2-1/2" White-Green 24	181292	Window, Plastic 20,21
156880	Jumper, 2-3/8" Balck 15	180896	Jumper, 2-1/2" White-Yellow 24	181297	Cover, Insulating 5,6,9,10, 11
159404	Post 12	180897	Jumper, 2-1/2" White-Orange 24	181300	Sleeve, 3/16 ID x 1" Lg Insulating 25
159597	Washer, Flat 2	180898	Jumper, 2-1/2" White-Red 24	181374	Terminal, Tab Type 22,25, 33
159931	Clamp 6,8	180899	Jumper, 2-1/2" White-Purple 24	181392	Terminal, Tab Type 7,11,25, 32,33
159932	Keeper 6,8	180900	Jumper, 2-1/2" Orange 24	181424	Nut, 6-40 Sq 8,10,18,27,30
160859	Terminal 4,10,18	180902	Jumper, 3-1/2" Braided 24	181631	Strip Assembly, Lamp 2
161525	Connector, 14 Pt Plug 25	180904	Tab, Terminal 5,6,7,9,10, 13,27,28	181632	Button Assembly 2
162360	Fuse, SL-BL .8 Amp 6,10,14	181106	Plate, Baffle 17	181637	Bracket 23
165168	Key 12	181107	Bracket 17	181638	Contact Assembly 23
171195	Post 30	181196	Ring, Retainer 8	181645	Dial, Rotary 2
171441	Resistor, 560 Ohm 12	181204	Washer, Flat 12	181648	Capacitor, .1 MFD 25
171446	Resistor, 120 Ohm 33	181240	Screw w/Lockwasher, 6-40 x 3/16 Hex 2,6,11,14,16, 18,19,22,27,28,29	181661	Buzzer, 115V AC 2
171536	Resistor, 2,250 Ohm 5	181241	Screw w/Lockwasher, 6-40 x 1/4 Hex 2 to 14,17,21,22, 26 to 33	181672	Relay, Power 4
171541	Diode 27	181242	Screw w/Lockwasher, 6-40 x 5/16 Hex 7 to 12,27,29 to 33	181674	Terminal, Tab Type 25
171551	Connector, 16 Pt Plug 25	181243	Screw w/Lockwasher, 6-40 x 3/8 Hex 6,16	181675	Transistor, Power 4,10,14, 18
171554	Connector, 50 Pt Plug 25			181691	Capacitor, 150 MFD 33
171559	Lamp, 28V Incandescent 7, 12,16,26			181709	Holder, Fuse 33
171593	Fuse, .5 Amp 9			181718	Resistor, 2,000-10,000 Ohm 33
174681	Bushing, Snap 29			181719	Strip, Terminal 33
176673	Suppressor, Spark 27			181720	Power Supply 1,33
177113	Insulator 4,10,14,18			181721	Connector, 12 Pt Plug Type 25,33
178306	Relay, Power 14,29			181729	Connector Assembly 25
178535	Suppressor, Spark 3,14			181733	Transformer 33
178831	Connector, 2 Pt Receptacle 2,6,9,10,11,19			181740	Cable Assembly 33
178832	Plate, Adapter 2,6,10,11,19			181741	Cable Assembly 33
178833	Resistor, 1,500 Ohm 5			181742	Cable Assembly 33
180042	Terminal, Tab Type 25			181743	Cable Assembly 33
180586	Sleeve 5/32 ID x 21/32" Lg Insulating 18				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
181744	Cable Assembly 33	181999	Insulator 8,18,27	182561	Contact Assembly 23
181745	Cable Assembly 33	182044	Modification Kit 6	182562	Contact Assembly 23
181809	Bracket, Switch 8,11,27	182065	Plate, Identification 9,10	182563	Plate w/Bracket 2
181810	Relay 7,8,27	180266	Plate, Identification 10	182565	Bracket 2
181814	Capacitor, 250 MFD 8,27	182067	Nameplate 33	182566	Bracket, Left 2
181815	Driver Assembly, Selector Magnet 1,18	182134	Power Pack 1,32	182569	Clamp 5
181816	Resistor, 4,200 Ohm 8,27	182149	Power Pack 1,32	182571	Screw, 6-40 Shoulder 2
181817	Bracket 7,8,27	182162	Post 4	182576	Bracket, Right 2
181818	Cable Assembly 18	182173	Spacer 10	182577	Bracket 2
181819	Connector, 15 Pt Circuit Card 13,14,16,18	182180	Resistor, 200 Ohm 20	182581	Key Assembly 23
181821	Card, Circuit 18	182182	Holder, Fuse 2,6,7,9 to 11, 14,19,27	182582	Key Assembly 23
181822	Bracket 18	182184	Fuse, 2.8 Amp 9,10	182589	Key Assembly 23
181824	Knob, Gray Pointer 8,10, 11,17,27	182193	Insulator 3	182611	Fuse, SL-BL 3/8 Amp 5,6,7, 9,11,27
181825	Cover, Relay 7,8,27	182251	Plate, Identification 4,18,27	182615	Pad 5
181826	Jumper, 2" Black 24	182284	Insulator, 0.15" Thk 8,18, 27,30	182619	Screw, 6-40 Shoulder 17
181827	Jumper, 2-3/4" White-Black 24	182287	Jumper, 6" Purple 6,24	182620	Dial, TouchTone 20
181828	Jumper, 2-3/4" White-Orange 24	182489	Modification Kit 1,20	182621	Dial, Touch-Tone Card 21
191929	Jumper, 2-3/4" White-Blue 24	183494	Card Set, Index 21,22	182622	Dial, DC Card 22
181830	Jumper, 2-3/4" White-Yellow 24	182495	Card Set, Dialing 21,22	182630	Card, Circuit 13,18
181831	Jumper, 2-3/4" White-Purple 24	182500	Dial, Rotary 22	182643	Terminal, Plug Type 5,11, 15,18,24,25,26,28,33
181832	Jumper, 2-3/4" White-Brown, 24	182501	Capacitor, 1,500 MFD 4,10,18	182644	Terminal, Receptacle Type 4,11,215,24,25,26,29,31
181836	Jumper, 4-1/2" Blue 24	182502	Nut, No. 14 Speed 2,3,7,10, 11,13,27,28	182645	Connector, 9 Pt Receptacle Type 25
181837	Jumper, 4-1/2" Black 24	183503	Ringer w/Terminals 17	182647	Connector, 12 Pt Plug Type 28
181840	Nameplate 9	182510	Cord, Power 24,29	192648	Connector, 12 Pt Receptacle Type 25
181842	Nameplate 9	182520	Rectifier 6,9	182649	Connector, 6 Pt Receptacle Type 26
181844	Nameplate 9,10	182523	Clamp, 1-3/8" ID Mounting 8,10,18,27,30	182650	Connector, 6 Pt Plug Type 25,26
181845	Nameplate 6,9	182524	Button Assembly 3	182653	Knob 17
181857	Plate 10	182527	Screw, 4-40 Shoulder 2	182657	Transformer, Power 6
181868	Clip, Speed 33	182529	Lamp, 10V 2,3,28	182658	Socket, Lamp 2,12,17,19, 26
181879	Transformer, Power 9,27	182532	Filter 22	182660	Switch, Pushbutton 7,16,17
181882	Bracket, Switch 10	182533	Screw, 6-32 x 5/16 RD 23	182661	Holder, Fuse 5,29
181890	Sleeve, 1/16" ID x 1" Lg Insulating 24,25	182534	Screw, 4-40 Spl 23	182666	Bar, Latch 23
181892	Sleeve, 9/64 ID x 1" Lg Insulating 25	182535	Spring 23	182667	Plunger 23
181893	Sleeve, 3/64 ID x 1-1/2" Lg Insulating 5,25	182536	Connector, 15 Pt Circuit Card 4,6,7,18,25	182669	Relay, Power 3
181901**	Faceplate 21	182537	Terminal, Tab Type 25	182679	Jumper w/Spark Suppression 24
181902**	Faceplate 22	182539	Connector, 15 Pt Receptacle Type 5,6,7,9,11,14, 25,27	182682	Speaker, 2" 17
181903**	Faceplate 20	182540	Connector, 15 Pt Plug Type 15,25,26,28	182683	Resistor, 50 Ohm 17
181904**	Faceplate 22	182553	Plate, Base 23	182684	Strap 3
181906**	Faceplate 20	182554	Spring, Compression 23	182685	Strap 3
181994	Bracket, Guide 9,27	182556	Lockout 23	182686	Resistor Assembly 50,000 Ohm 20,21
		182557	Bracket 23	182688	Switch, Turn Button 2,17, 19
		182558	Frame 23		
		182559	Plunger 23		

**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
182692	Jumper, 2-1/4" Orange 24, 26	182783	Jumper 2-3/4" White-Slate 24	184171	Strip, Terminal 10
182893	Jumper, 2-1/4" Orange 24	182784	Jumper, 2-1/4" White-Orange 24	184184	Card Circuit 32
182695	Driver Assembly, Selector Magnet 1,18	182785	Jumper, 2-1/4" White-Blue 24	184193	Transformer 10
182698	Cable w/Terminals 22	182786	Jumper, 2-1/4" White-Brown 24	184194	Power Pack 1,32
182700	Plate, Base 3,6,8,9,17,18,27	182787	Jumper, 2-1/4" White-Yellow 24	284209	Insulator 10
182703	Bracket 18	182788	Jumper, 2-1/4" White-Purple 24	185676	Terminal, Plug Type 11,18 25,33
182704	Bracket 6,9,11,27	182789	Resistor, 200 Ohm 20	184677	Terminal, Receptacle Type 4,11,24,25,29
182706	Plate, Pilot 17	182791	Bracket 2,19	185678	Plate, Identification 5,6,7,9, 11,25,27
182707	Bracket, Pilot 17	182793	Plate, Heat Sink 18	185679	Plate, Identification 2,6,9, 19,27
182708	Bracket, Left 3	182794	Bracket 17	185680	Plate, Identification 14
182709	Bracket, Right 3,22	182795	Switch, DP-DT 2,19	185682	Plate, Identification 9,11,27
182710	Bracket, Upper 6,9,11	182796	Insulator, .032" Thk 6,9, 27	185683	Plate, Identification 6,7,9
182711	Bracket, Lower 6,9,27	182799	Capacitor, 20-30 MFD 20, 21	185688	Plate, Identification 6,14
182713	Cap, Amber Lens 17	183076	Bracket, Rectifier 32	186000	Driver Assembly, Selector Magnet 1,18
182714	Cap, White Lens 2,7,12,16, 17,19	183077	Clamp, Circuit Card 31,32	186001	Cable Assembly, 18
182715	Cap, Red Lens 12,26	183081	Resistor, 850 Ohm 31,32	186003	Bracket, 7
182716	Connector, 9 Pt Plug Type 18,25	183086	Clip 32,33	186004	Switch, Rotary 7
182717	Board, Terminal 3	183087	Card, Circuit 31,32	186006	Card, Circuit 7
182718	Buzzer, 10V AC 3	183111	Label 14,18,32	186007	Bracket 7
182719	Bracket, Guide 6	183141	Holder, Card 21,22	186008	Bracket 7
182720	Bracket, Dial 20	183511	Plate, Pilot 17	186015	Insulator 7
182721	Bracket 17	183512	Bracket, Switch 17	186024	Clamp 7
182722	Transformer w/Terminals 18	183524	Button, Turn 2,17,19	186036	Card, Circuit 7
182723	Bracket 3,22	183525	Washer, Fiat 2,17,19	186059	Terminal 4,10,14,18
182724	Plate, Dial 22	183526	Ring, Retaining 2,17,19	186060	Screw, 6-40 Shoulder 2
182725	Plate, Tone Dialer 21	183985	Driver Assembly, Selector Magnet 18	186164	Jumper, 6" Black 24
182726	Terminal, Receptacle Type 18,25	184012	Driver Assembly, Selector Magnet 18	186165	Jumper, 6" Red 24
182727	Bracket, Left 22	184076	Cable Assembly 24	186166	Jumper 6" Yellow 24
182828	Bracket, Right 22	184079	Jumper, White-Red 24	186170	Bracket 9
182729	Link, Ringer 17	184080	Jumper, White-Orange 24	186224	Plate 2
182730	Bracket, Support 3	184081	Jumper, White-Yellow 24	186318	Timer w/Terminals 6
182731	Post 6,7,13	184082	Jumper, White-Green 24	186423	Insulator 13
182732	Connector, 50 Pt Plug 25	184083	Jumper, White-Blue 24	186424	Plate 15
182733	Connector, 50 Pt Receptacle 25	184084	Jumper, White-Black 24	186425	Plate, Base 13
182750	Card, Amplifier Circuit 6	184091	Connector, 12 Pt Plug 25	186426	Bracket 13,14
182760	Screw, 6-32 Spl 26	184097	Plate 28	186427	Bracket 13
182761	Capacitor, 0.5 MFD 3	184155	Cable Assembly 24	186430	Capacitor 13
182768	Bracket, Fuse 9	184161	Bracket 10	186431	Cable Assembly 14
182769	Block 12,17	184162	Connector, 22 Pt Circuit Card 10	186434	Transformer 13
182780	Jumper, 2-1/4" White-Black 24	184166	Bracket 10	186438	Card, Circuit 13
182781	Jumper, 2-3/4" White-Red 24	184168	Card, Circuit 10	186439	Card, Circuit 13
182782	Jumper, 2-3/4" White-Green 24			186448	Timer Assembly 5
				186449	Plate, Base 7
				186463	Post 13
				186465	Timer Assembly 5
				186479	Card, Circuit 32
				186480	Power, Pack 1,32

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
186535	Bracket 14,16	187090	Card Assembly Circuit 28	195810	Board, Terminal 7
186595	Dial, Touch-Tone 20	187091	Plate, Base 28,31	195812	Insulator, .032" Thk 7
186596	Dial, Touch-Tone 21	187092	Key 28	195924	Modification Kit 1,22
186597	Card Set, Dialing 21,22	187093	Cable Asssembly 28	195926	Modification Kit 1,22
186598**	Faceplate 20	187094	Bracket 28	195927	Modification Kit 21
186599**	Faceplate 21	187095	Bracket 29	195940	Stud 12
186600	Modification Kit 1,20	187128	Insulator 28	197028	Terminal 7,11
186601	Modification Kit 1,20	187129	Connector Assembly 26	197054	Jumper, 3" Black 11
186602	Modification Kit 1,21	187133	Set of Parts 1,31	197081	Switch, 3 Positions 8,10,17, 27
186603	Modification Kit 1,21	187134	Set of Parts 1,31	197464	Diode 12
186627	Logic Assembly 1,15	187135	Bracket 27	197939	Switch, Pushbutton 12
186628	Bracket 6,9,11,27	187136	Bracket 31	198515	Card, Circuit 4
16630	Modification Kit 1,16	187137	Cable Assembly 28	198517	Bracket 4
186637	Card, Circuit 15	187140	Insulator 27	198518	Bushing, Insulating 4,10,14 18,30
186645	Bracket 9	187141	Insulator 27	198519	Insulator 4
186647	Board, Terminal 9	187156	Modification Kit 1,31	198520	Insulator .062" Thk 4
186648	Transformer 9	187157	Cable Assembly 31	198521	Bracket 4
186651	Transformer 9	187276	Screw w/Lockwasher 6-40 x 1-1/4 Fil 9,18	198522	Clip, Spring 4,10
186670	Modification Kit 1,26	188694	Frame 29,30	198528	Bracket 5
186671	Cable Assembly 26	188695	Bracket 29	198529	Strip, Terminal 5
186672**	Faceplate 26	188696	Transformer Assembly 29	198650	Key, Polarizing 10,18
186674	Stayband 26	188697	Transformer 29	198670	Screw w/Lockwasher, 6-40 x 5/16 Hex 15,26
186680	Logic Assembly 26	188698	Clamp 30	199311	Insulator 17,22
186681	Bracket 15,26	188699	Cable Assembly 29	199317	Relay 27
186682	Bracket 16,26	188700	Adaptor 29	199397	Bracket, Fuse 6,9,11
186683	Key Assembly 15,26	188725	Label 28	300340	Bushing 3,7,12,13,27,29
186687	Band w/S Hook 26	188726	Label 28	301713	Connector, 2 Pt Recep- tacle 2,6,7,9,11,14, 27
186688	Block 26	188837	Plate 29	302433	Button, Stud 13
186689	Cable Assembly 26	188861	Cable Assembly 29	302722	Capacitor, 2,500 MFD 30
186690	Bracket Assembly, Lamp 26	188865	Supply Asssembly, Power 1,29,30	303163	Card, Circuit 4
186691	Insert 20	188866	Sink, Heat 30	303810	Card, Circuit 5
186727	Clamp 15,26	188986	Stop, Key Button 28	303826	Card, Circuit 15
186738	Insulator 32	189160	Insulator 32	303831	Card, Circuit 26
186739	Cover 18	192007	Terminal, Tab Type 6,11,12, 25,29	303832	Card, Circuit 26
186740	Jumper, 6" Green 32	193040	Connector w/Guide Slot 25	303833	Card, Circuit 14,16,26
186741	Jumper, 9" Green 6,7,8,10, 27	193179	Lamp, 28V 12	202846	Card Assembly Circuit 26
186753	Bracket 32	193209	Connector Receptacle Type 10	303846	Card Assembly, Circuit 30
186765	Power Pack 1,32	193438	Strip, Lap 3	304992	Bushing, Blocking 3
186766	Power Pack 1,32	193486	Modification Kit 1,22	305453	Transformer w/Terminals 4
186768	Bracket, Fuse 6	193487	Modification Kit 1,20	305454	Transformer 4
186772	Cover 29,31,32	193488	Modification Kit 21	305688	Card, Circuit 5
186819	Bracket 28	193489	Modification Kit 1,22	305689	Card, Circuit 5
187052	Cover 14	193706	Jumper, 3" White-Orange 24	311406	Terminal, Receptacle Type 14,18,25
187069	Barrier 4	193708	Jumper, 3" Black 24	311605	Connector, 25 Pt Plug 15,26
187070	Jumper 32	195614	Pin, Key 5,6,9,11,25,27	311901	Cap, Green 26
187072	Network 29	195618	Jumper, 5-1/4" White-Purple 5,24		
187079	Capacitor 13				
187084	Bracket 29				
187088	Spacer 28				
187089	Bracket 28,31				

**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
312341	Diode 7,33	328390	Jumper, 8" Black 11	336460	Plate 16,26
312352	Card, Circuit 18	328391	Jumper, 6" Orange 11	336461	Post 16,26
312401	Diode 7	328392	Jumper, 6" Orange 11	336462	Bracket 16, 25
312813	Connector, Plug Type 31	328393	Jumper, 6" Black 11	336464	Cable Assembly 15,26
312814	Connector, Receptacle Type 29,31	328394	Jumper, 8" Black 11	336465	Bracket 16,26
312911	Diode 35	328395	Jumper, 6" Black 11	336471	Cable Assembly 15
312918	Strap 26	328396	Jumper, 8" White 11	336493	Post 13,16
312919	Strap, Cable 25,28	328397	Jumper, 6" White 11	336601	Cable Assembly 15
315893	Key, Polarizing 36	328398	Jumper, 6" White 11	336631	Label 15,26
320047	Capacitor, 2 MFD 25	328399	Jumper, 8" White 11	336632	Label 15,26
320408	Terminal, Spade Type 20, 21,22,25	328400	Jumper, 8" Black 11	336633	Label 15,26
320410	Terminal, Space Type 6,11 14,16,24,25,33	328591	Strap, Cable 6,25,28	336635	Label 15,26
320412	Terminal, Spade Type 4,18, 25	328668	Label 28	336636	Label, 26
320416	Terminal, Ring Type 25,28	328727	Connector, 15 Pt Plug Type 15,26,31	336640	Label, 26
320418	Terminal, Ring Type 7,14, 24,25,29,32	328733	Connector, 15 Pt Receptacle Type 15,26,29,31	336954	Screw, 4-40 x 13/64 Fil 15
320420	Terminal, Ring Type 18	328739	Plate, Switch 12	336956	Stayband 15
320423	Plate 5	328740	Bracket, Mounting 12	336957	Label 15
321543	Bracket 18	328741	Post 12	336959	Cover 15
322490	Card, Circuit 28	328742	Switch, Rotary 11	336960	Cover 26
322491	Card, Circuit 28	328743	Switch, Lever 12	336962	Timer w/Terminals 14
322669	Card, Circuit 31	328808	Plate, Base 11,12	336983	Label 26
323099	Connector, 14 Pt Receptacle 25	330781	Shield, Transformer 4	337992	Transformer w/Terminals 18
325615	Capacitor, 2,500 MFD 30	330782	Shield, Transformer 4,18	337995	Transformer w/Terminals 4
326635	Network, Spark Suppression 12	330906	Label, Out of Service 15,26	338949	Cap, Green 28
217061	Lamp, 24V 15	330923	Label, Alarm 15	338997	Card, Circuit 30
327326	Jumper, 2-3/4" Green 14,24	331082	Screw, 4-40 x 3/8 Nylon 28	340249	Label 14,29
327806	Plug 15,28	332709	Driver Assembly, Selector Magnet 1,18	341362**	Faceplate 26
327819	Terminal 29	333515	Shield, Transformer 18	343308	Clamp 30
328362	Bar, Mounting 11	333767	Cap, Plastic 28	343470	Label 2,6,9,11,13,19
328363	Bracket, Guide 12	333768	Button 28	343626	Label 28
328382	Board, Terminal 12	333905	Label 28	343715	Label 28
328383	Board, Cover 12	334167	Network, Spark Suppression 22	343735	Clip 15,26,28
328389	Jumper, 8" Black 11	334652	Insulator, Switch 8,10,27	343736	Support 28
		334835	Cap, Red 28	343932	Jumper 25
		336333	Plate, Nut 15,26,28	343937	Connector Assembly 25
		336334	Collar 15,26,28	377061	Lamp 26
				401674	Connector, 2 Pt Receptacle 29

**Refer to page 1 for finish suffix

33 TAPE READER (UX)

PARTS

FIGURE	CONTENTS	PAGE
1	Reader Mechanism	2
2	Contact Block	3
3	Tape Feed Magnet	4
4	Reed Switch and Magnet Core	4
	Numerical Index	5

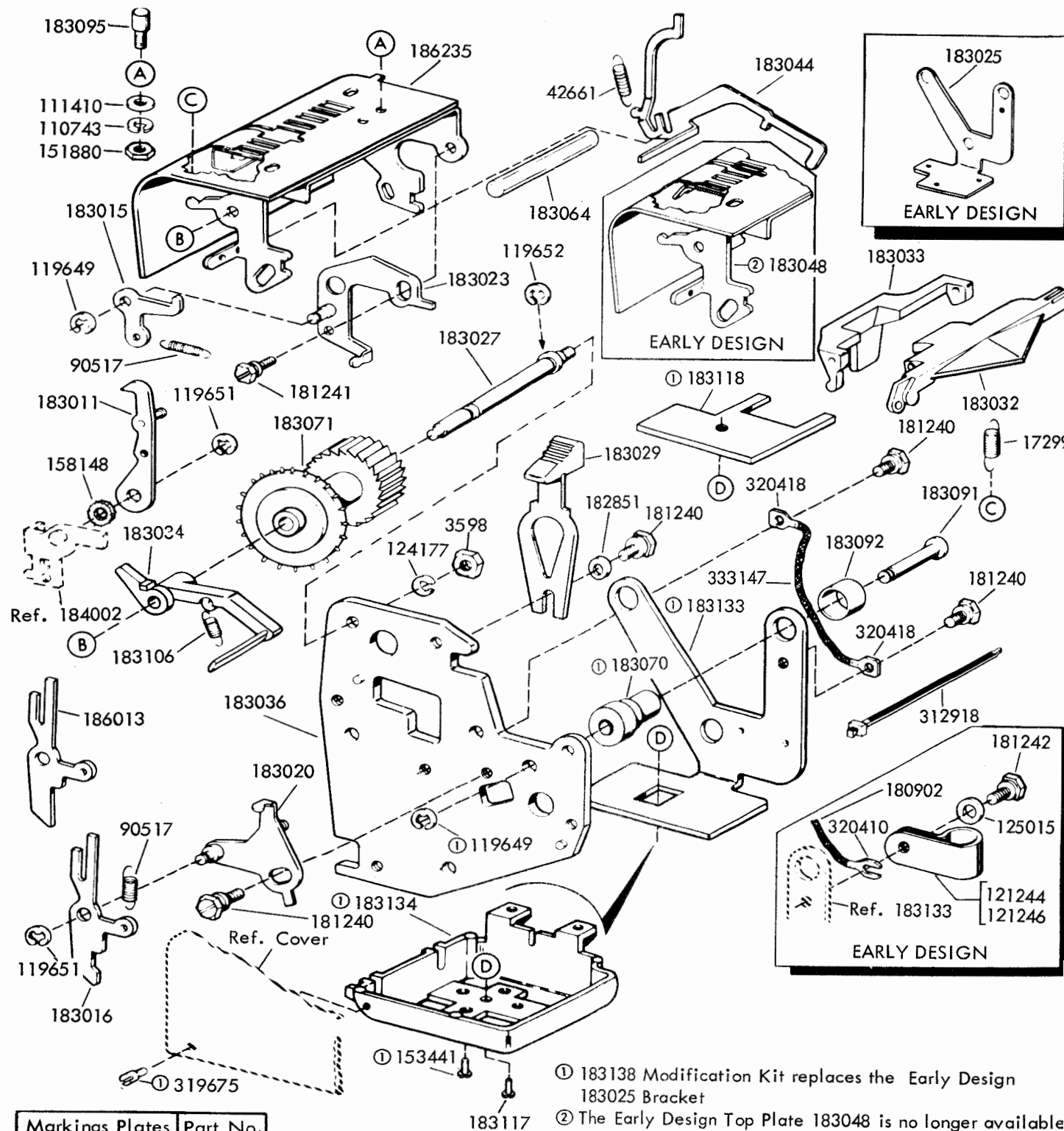


Fig. 1 - Reader Mechanism

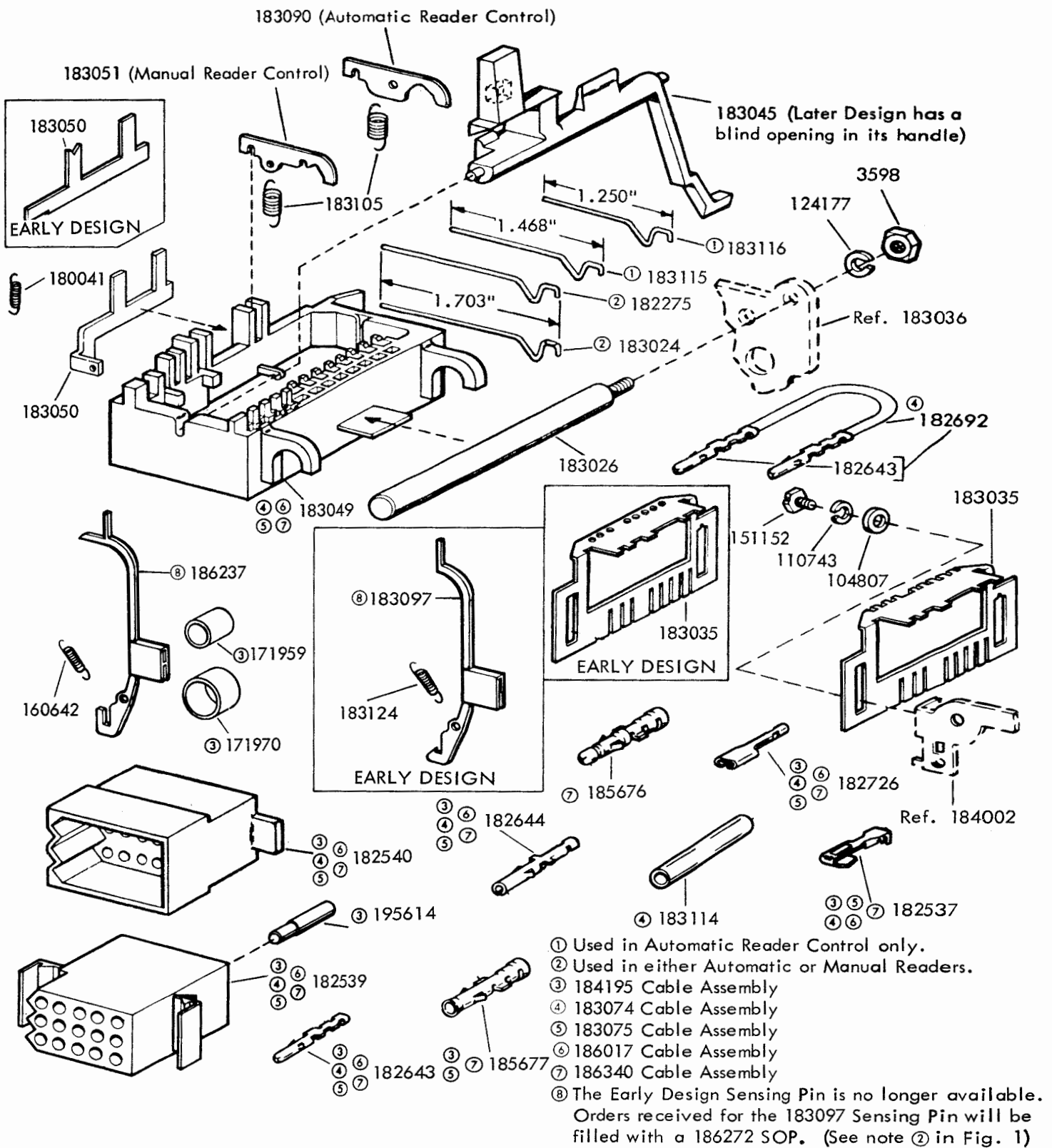


Fig. 2 - Contact Block

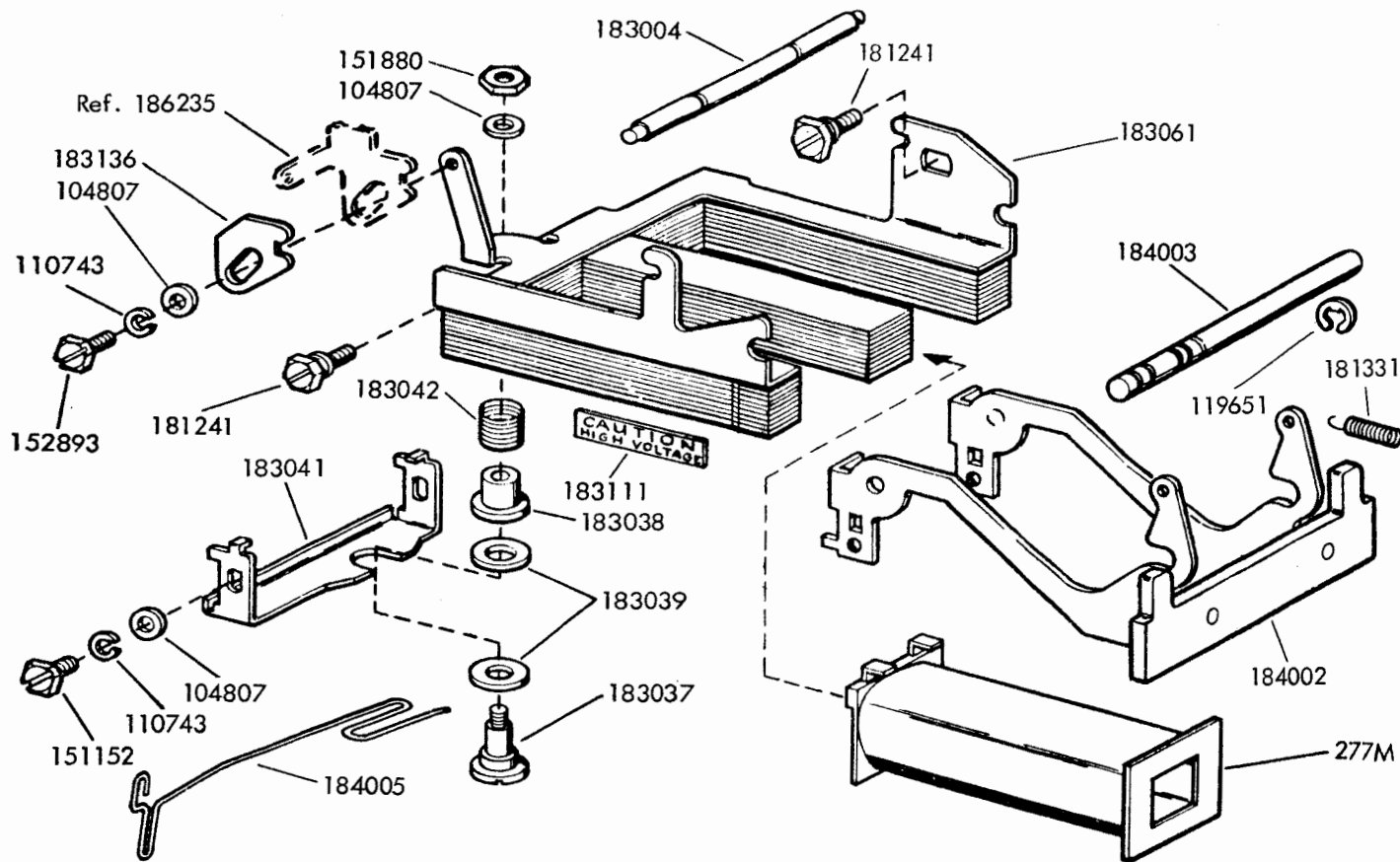


Fig. 3 - Tape Feed Magnet

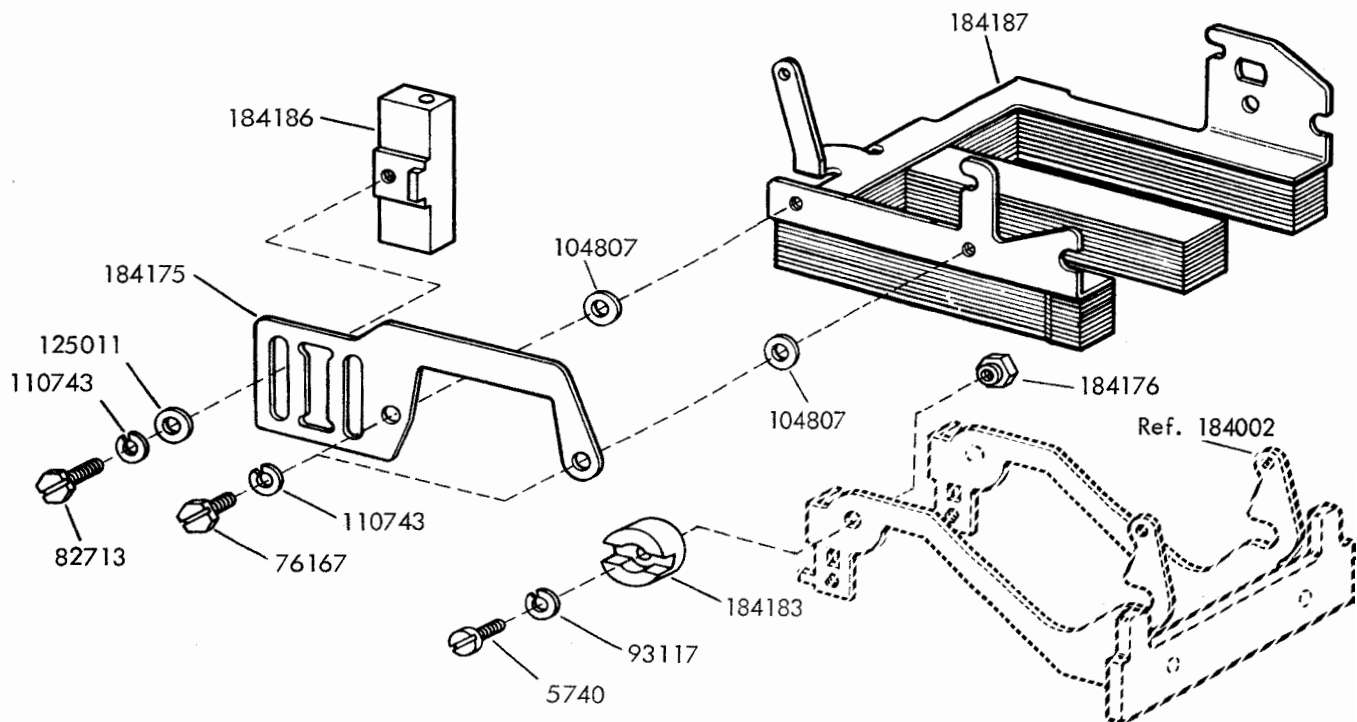


Fig. 4 - Read Switch and Magnet Core

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
277M	Coil, Magnet 4	182540	Connector, 15 Pt Plug Type 3	183095	Stud, Tape Guide 2
3498	Nut, 6-40 Hex 2,3			183097	Pin, Sensing 3
5740	Screw, 2-56 x 1/4 Fil 4	182643	Terminal, Plug Type 3	183105	Spring 3
42661	Spring 2	182644	Terminal, Receptacle Type 3	183106	Spring 2
76167	Screw, 4-40 x 3/16 Hex 4	182692	Jumper, 2-1/4" Orange 3	183111	Label 4
82713	Screw, 4-40 x 9/32 Hex 4	182726	Terminal, Receptacle Type 3	183114	Sleeve, Insulating 3
90517	Spring 2	182851	Spacer, .062" Thk 2	183115	Wire, Contact 3
93117	Lockwasher 4	183004	Post, Spring 4	183116	Wire, Contact 3
104807	Washer, Flat 3,4	183011	Pawl, Feed 2	183117	Screw, 10-32 x 5/8 Hex 2
110743	Lockwasher 2,3,4	183015	Lever, Detent 2	183118	Plate, Clamp 2
111410	Washer, Flat 2	183016	Pawl, Blocking 2	183124	Spring 3
119649	Ring, Retaining 2	183020	Bracket, Blocking Pawl 2	183133	Bracket 2
119651	Ring, Retaining 2,4	183023	Bracket, Detent 2	183134	Base 2
119652	Ring, Retaining 2	183024	Wire, Contact 3	183136	Plate 4
121244	Clamp, 1/4 ID Cable 2	183025	Bracket 2	183138	Modification Kit 2
121246	Clamp, 3/8 ID Cable 2	183026	Post, Contact Block 3	184002	Armature 2,3,4
124177	Lockwasher 2,3	183027	Shaft, Feed Wheel 2	184003	Shaft, Armature 4
125011	Washer, Flat 4	183029	Latch, Spring 2	184005	Clip, Spring 4
125015	Washer, Flat 2	183032	Lid, Tape 2	184101	Plate, Identification 2
151152	Screw, 4-40 x 3/16 Hex 3,4	183033	Bail, Tight Tape 2	184104	Plate, Identification 2
151880	Nut, 4-40 Hex 2,4	183034	Lever, Tight Tape 2	184175	Bracket 4
152893	Screw, 4-40 x 1/4 Hex 4	183035	Guide, Sensing Pin 3	184176	Nut, 2-56 Shoulder Hex 4
153441	Screw, 10-32 x 7/16 Hex 2	183036	Backplate 2,3	184183	Magnet 4
158148	Washer, Felt 2	183037	Screw, 4-40 Shoulder 4	184186	Switch, Reed 4
160642	Spring 3	183038	Bushing, Upstop 4	184187	Core, Magnet 4
171959	Connector, Blue Shielding 3	183039	Buffer, Upstop 4	184195	Cable Assembly 3
171970	Connector, Blue Shielding 3	183041	Bracket, Upstop 4	185676	Terminal, Plug Type 3
172993	Spring 2	183042	Spring, Compression 4	185677	Terminal, Receptacle Type 3
180041	Spring 3	183044	Pin, Tape Out 2	186013	Pawl, Blocking 2
180902	Jumper, 3-1/2" Braided 2	183045	Lever, Start-Stop 3	186017	Cable Assembly 3
181240	Screw w/Lockwasher, 6-40 x 3/16 Hex 2	183048	Plate, Top 2	186235	Plate, Top 2,4
181241	Screw w/Lockwasher, 6-40 x 1/4 Hex 2,4	183049	Block, Contact 3	186237	Pin, Sensing 2,3
181242	Screw w/Lockwasher, 6-40 x 5/16 Hex 2	183051	Lever, Detent 3	186272	Set of Parts 2,3
181331	Spring 4	183061	Core, Magnet 4	186340	Cable Assembly 3
181991	Plate, Identification 2	183064	Insulator, Tape Out Pin 2	195614	Pin, Key 3
182251	Plate, Identification 2	183070	Grommet, Rubber 2	312918	Strap 2
182275	Wire, Contact 3	183071	Wheel, Feed 2	319675	Stud 2
182537	Terminal, Tab Type 3	183074	Cable Assembly 3	320410	Terminal, Spade Type 2
182539	Connector, 15 Pt Receptacle Type 3	183075	Cable Assembly 3	320418	Terminal, Ring Type 2
		183090	Lever, Detent 3	333147	Jumper, 1-3/4" Braided 2
		183091	Post 2		
		183092	Cup 2		

33 TAPE PUNCH (UPE)

PARTS

FIGURE	CONTENTS	PAGE
1	Punch Mechanism	2,3,4
2	Power Bial Mechanisms	5
	Numerical Index	6

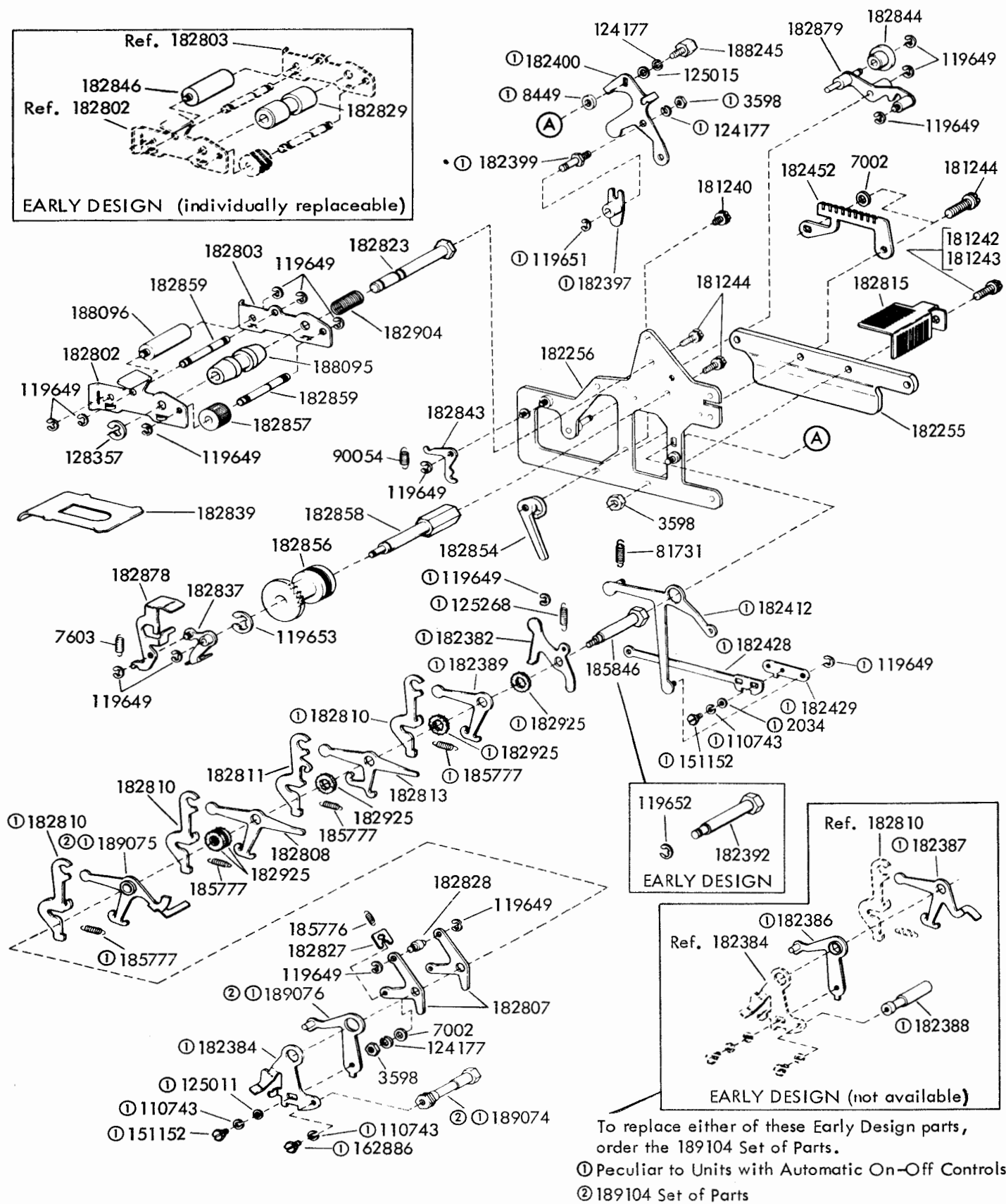
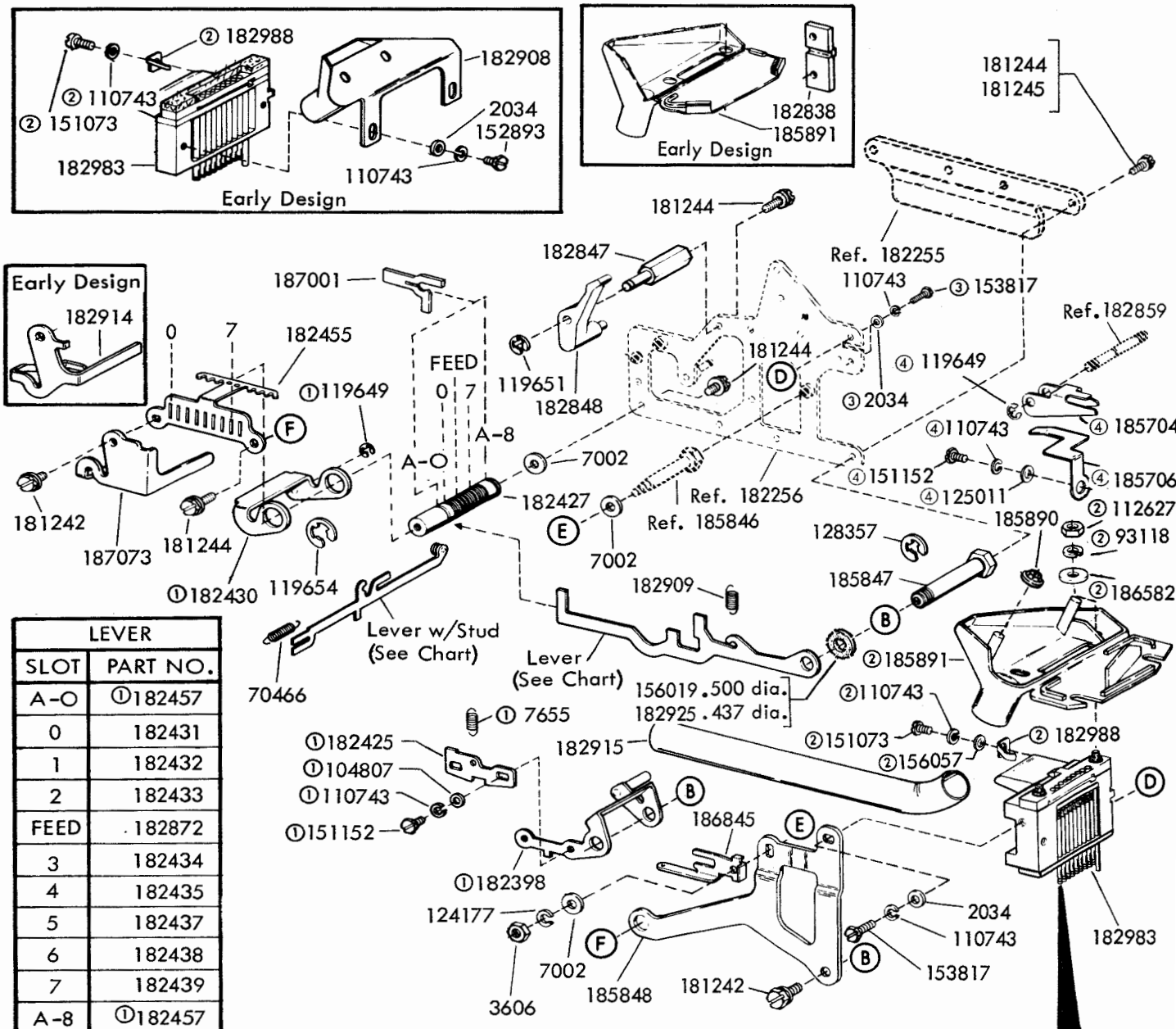


Fig. 1 - Punch Mechanism



NOTE: "Due to special assembly processes, it is recommended that the Teletype Product Service Organization be contacted to determine if part replacement or repair is possible on this portion of the Punch Block Assembly."

NOTE: Early and Later Design Punch Block Assemblies are interchangeable; however, the 182908 Chad Chute can only be used on the Early Design and the 185891 can only be used on the Later Design.

- ① Peculiar to units with Automatic On-Off Controls
- ② Supplied with 182983
- ③ Peculiar to units with Manual On-Off Controls
- ④ 185705 Modification Kit to provide a guide for Fan Fold Tape

Fig. 1 - Punch Mechanism (Cont)

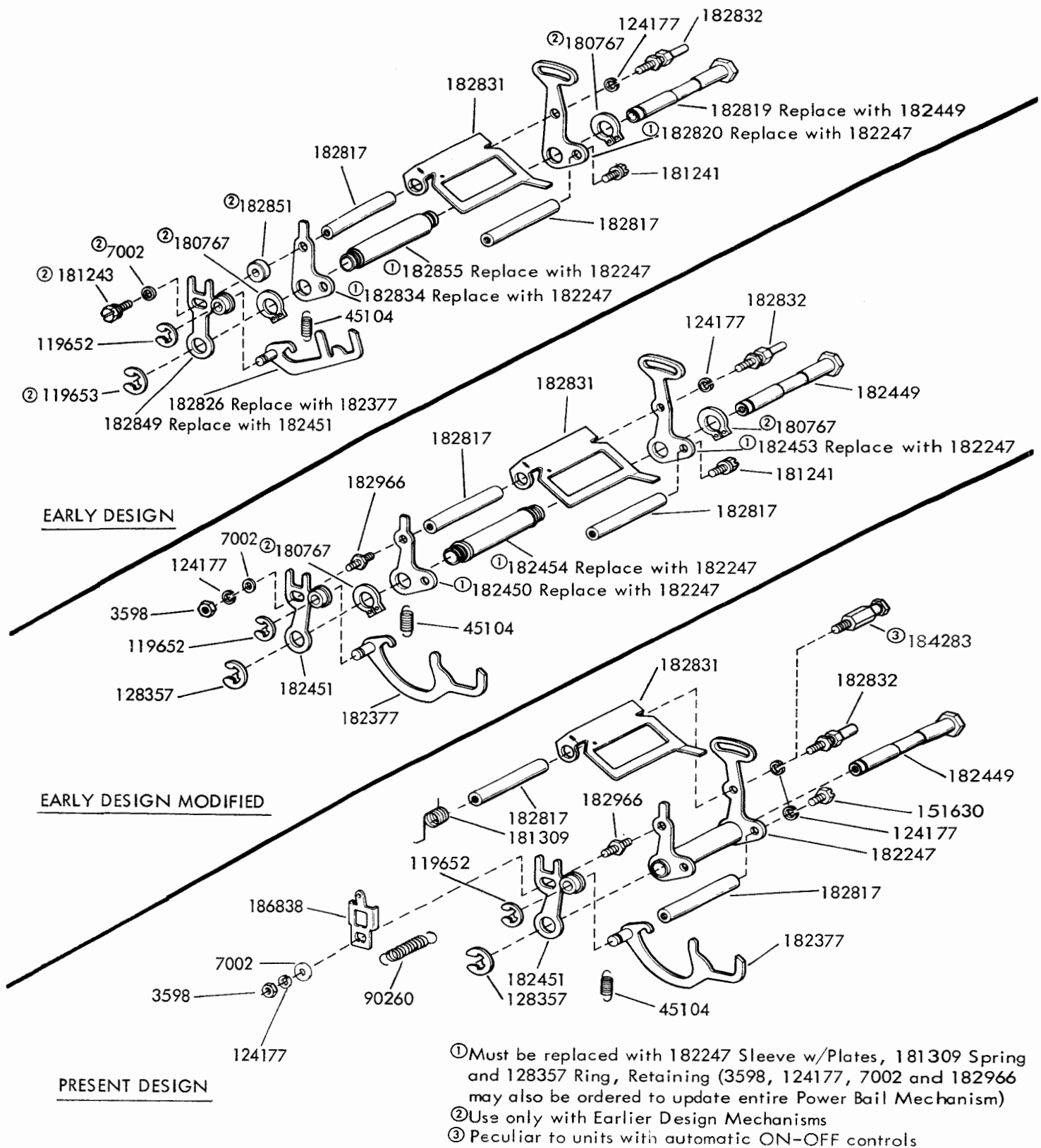


Fig. 2 - Power Bail Mechanism

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
2034	Washer, Flat 2,4		x 5/16 Hex 2,3,4	182453	Plate 5
2415	Spring 3	181243	Screw w/Lockwasher, 6-40	182454	Sleeve 5
3598	Nut, 6-40 Hex 2,3,5		x 3/8 Hex 2,3,5	182455	Bracket 4
3606	Nut, 6-40 Hex 4	181244	Screw w/Lockwasher, 6-40	182457	Lever 4
3646	Lockwasher 3		x 7/16 Hex 2,3,4	182460	Link 3
7002	Washer, Flat 2,4,5	181245	Screw w/Lockwasher, 6-40	182465	Bracket 3
7603	Spring 2		x 1/2 Hex 3,4	182466	Lever w/Post 3
7655	Spring 4	181309	Spring, Torsion 5	182469	Post, Spring 3
8449	Spacer, 0.094" Thk 2,3	182247	Sleeve w/Plates 5	182802	Bracket 2
45104	Spring 5	182252	Post 3	182803	Plate 2
70466	Spring 4	182253	Bracket 3	182805	Plate 3
71047	Washer, Flat 3	182254	Bracket 3	182807	Lever 2
73427	Washer, Flat 3	182255	Spacer 2,3,4	182808	Lever 2
76099	Washer, Flat 3	182256	Plate 2,3,4	182810	Pawl 2
81731	Spring 2	182377	Pawl w/Stud 5	182811	Pawl 2
84575	Spring 3	182382	Lever 2	182813	Lever 2
86774	Screw, 6-40 Shoulder 3	181284	Lever 2	182815	Bracket 2
90054	Spring 2	182386	Lever 2	182817	Post 5
90260	Spring 5	182387	Lever 2	182819	Post 5
93118	Lockwasher 4	182388	Post 2	182820	Plate 5
104807	Washer, Flat 4	182389	Lever 2	182821	Post 3
110743	Lockwasher 2,3,4	182390	Link 3	182822	Plate 3
112627	Nut, 2-56 Hex 4	182392	Post 2	182823	Post 2
119649	Ring, Retaining 2,3,4	182393	Lever 3	182826	Pawl w/Stud 5
119651	Ring, Retaining 2,4	182394	Lever 3	182827	Plate 2
119652	Ring, Retaining 2,5	182395	Post 3	182828	Roller 2
119653	Ring, Retaining 2,5	182397	Lever 2	182829	Sleeve 2
119654	Ring, Retaining 4	182398	Bail w/Post 4	182831	Bail 5
121551	Screw, 8-32 x 1/4 Hex 3	182399	Post, Eccentric 2	182832	Post 4
124177	Lockwasher 2 to 5	182400	Plate w/Stud 2	182834	Plate 5
125011	Washer, Flat 2,3,4	182402	Lever w/Stud 2	182837	Lever w/Post 2
125015	Washer, Flat 2,3	182403	Lever w/Stud 4	182838	Spacer 4
125268	Spring 2	182404	Lever w/Stud 4	182839	Plate 2
128357	Ring, Retaining 2,4,5	182406	Lever w/Stud 4	182843	Lever 2
143097	Ring, Retaining 3	182409	Arm w/Hub 3	182844	Roller 2
150436	Bushing 3	182412	Lever w/Stud 2	182845	Post 3
151073	Screw, 4-40 x 5/32 Fil 4	182425	Arm 4	182846	Roller 2
151152	Screw, 4-40 x 3/16 Hex 2,4	182427	Post 4	182847	Post 4
151630	Screw, 6-40 x 1/4 Hex 5	182428	Link 2	182848	Arm 4
152634	Bracket 3	182429	Plate 2	182849	Plate w/Bushing 5
152893	Screw, 4-40 x 1/4 Hex 4	182430	Bail w/Stud 4	182851	Spacer, 0.062" Thk 5
153817	Screw, 4-40 x 3/8 Hex 4	182431	Lever 4	182853	Hook 3
153799	Screw, 4-40 x 21/64 Hex 3	182432	Lever 4	182854	Bracket 2
156019	Washer, Felt 4	182433	Lever 4	182855	Sleeve 5
156057	Washer, Flat 4	182434	Lever 4	182856	Wheel, 24T 2
162886	Screw, 4-40 x 7/32 Hex 2	182435	Lever 4	182857	Roller 2
180767	Ring, Retaining 5	182437	Lever 4	182858	Post 2
181204	Washer, Flat 3	182438	Lever 4	182859	Post 2,4
181240	Screw w/Lockwasher, 6-40	182439	Lever 4	182861	Lever w/Stud 4
	x 3/16 Hex 2	182449	Post 5	182862	Lever w/Stud 4
181241	Screw w/Lockwasher, 6-40	182450	Plate 5	182864	Lever w/Stud 4
	x 1/4 Hex 3,5	182451	Plate w/Bushing 5	182872	Lever 4
181242	Screw w/Lockwasher, 6-40	182452	Guideplate 2	182878	Lever 2

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
182879	Lever 2	185891	Chute, Chad 4	189076	Lever 2
182882	Link 3	186582	Washer, Flat 4	189104	Set of Parts 2
192884	Lever w/Stud 4	186799	Solenoid Assembly 3	184095	Spring 3
182885	Lever w/Stud 4	186837	Plate w/Post 3	184200	Bail 3
182886	Lever w/Stud 4	186838	Bracket, Spring 5	184283	Guidepost 5
182887	Lever w/Stud 4	186840	Bail w/Post 3	185704	Depressor, Tape 4
182888	Lever w/Stud 4	186842	Roller 3	185705	Modification Kit 4
182889	Lever 3	186843	Post, Stop 3	185706	Bracket 4
182890	Plate 3	186845	Bracket, Spring 4	184776	Spring 2
182893	Bracket 3	186886	Solenoid Assembly 3	185777	Spring 2
182904	Spring, Compression 2	187001	Stop 4	185846	Post 2,4
182908	Chute, Chad 4	187073	Bracket 4	185847	Post 4
182909	Spring 4	188095	Sleeve 2	185848	Plate 4
182914	Bracket 4	188096	Roller 2	185890	Pushnut 4
182915	Extension 4	188245	Screw, Clamp 2		
182925	Washer, Flat 2,4	189074	Post 2		
182936	Arm w/Bushing 3	189075	Lever 2		
182966	Stud 5				
182983	Block Assembly, Punch 4				
182988	Spring, Punch Block 4				

33 COVER AND TABLE

PARTS

FIGURE	CONTENTS	PAGE
1	Printer Covers	2
2	Punch Cover and Base	3
3	Reader Cover and Base	4
4	Faceplates	5,6
5	Cover and Tape Storage Bin	7
6	Cabinet	8
7	Lid and Copyholder	9
8	183976 Adjustable Copyholder Assembly	10
9	Subbases	11
10	184074 Outlet Box Assembly	12
11	183859 Modification Kit to Provide Paper Supply and Accumulating Shelf	13
12	186031 Rectifier Assembly	14
13	186226 Modification Kit to Provide Mobility for Cabinet	15
14	187286 Modification Kit to Provide Data Set and Station Controller Mounting	16
	Numerical Index	17

**Denotes a painted part.
HF-Light Olive Gray Smooth Vinyl

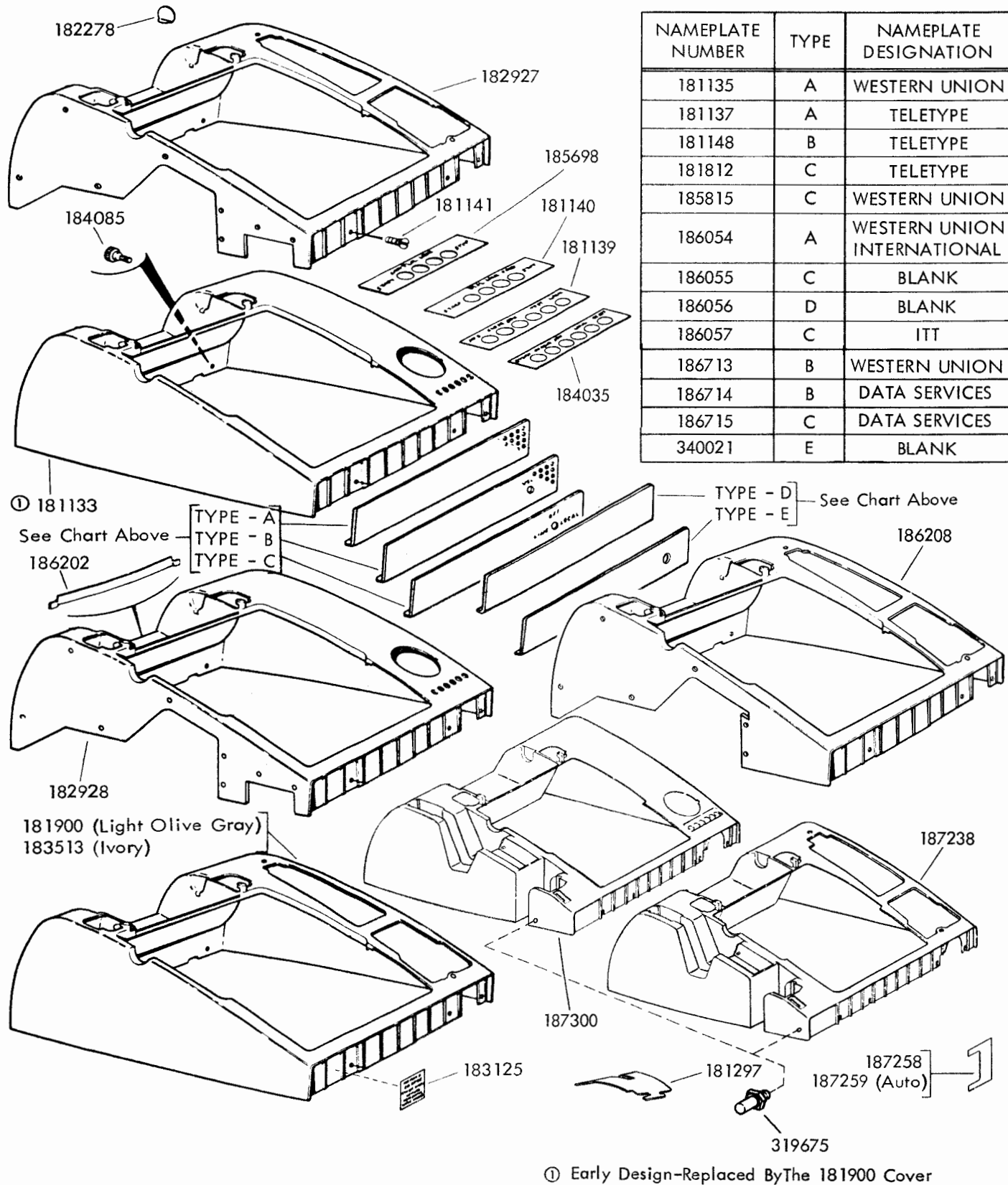


Fig. 1 - Printer Covers

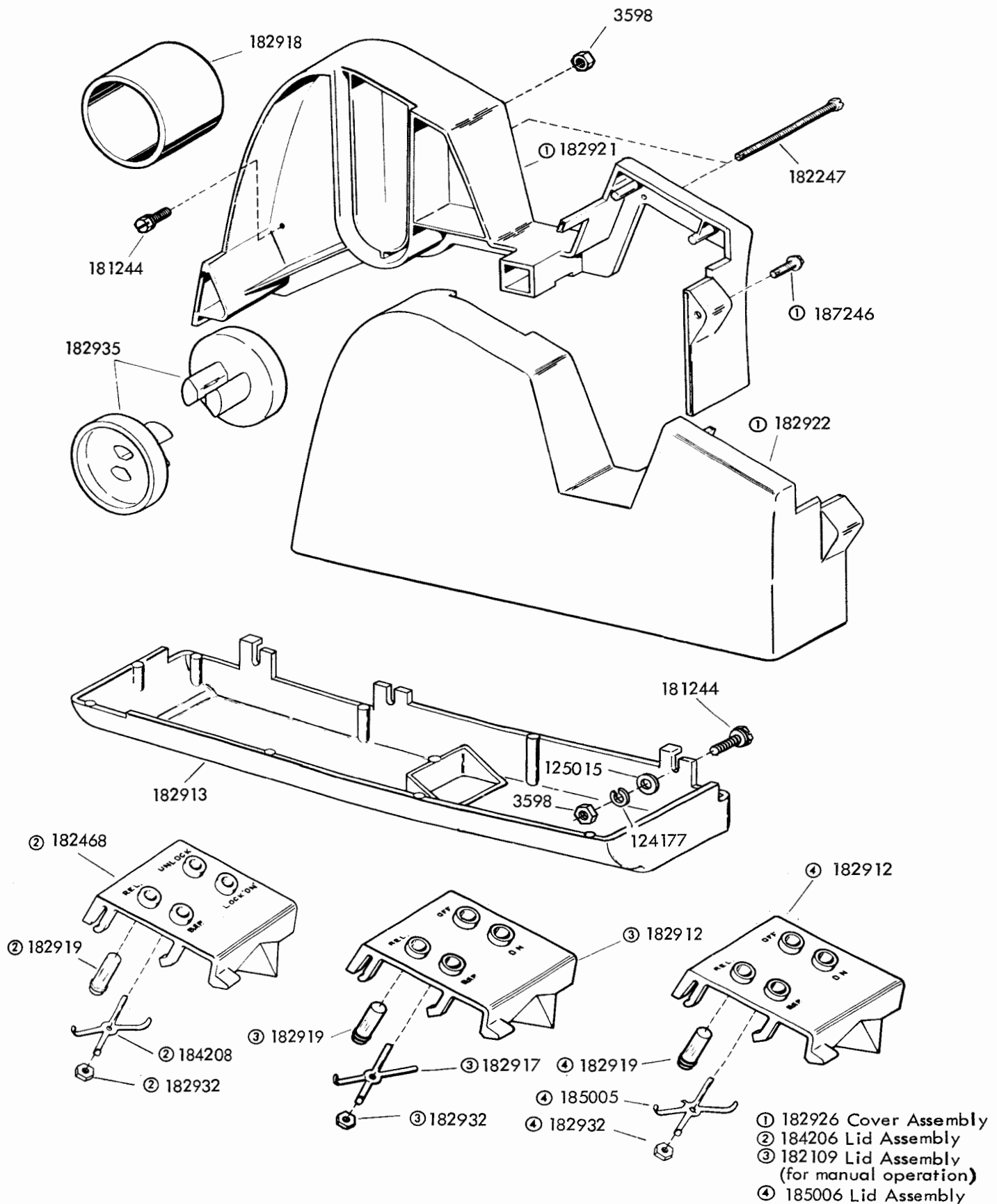


Fig. 2 - Punch Cover and Base

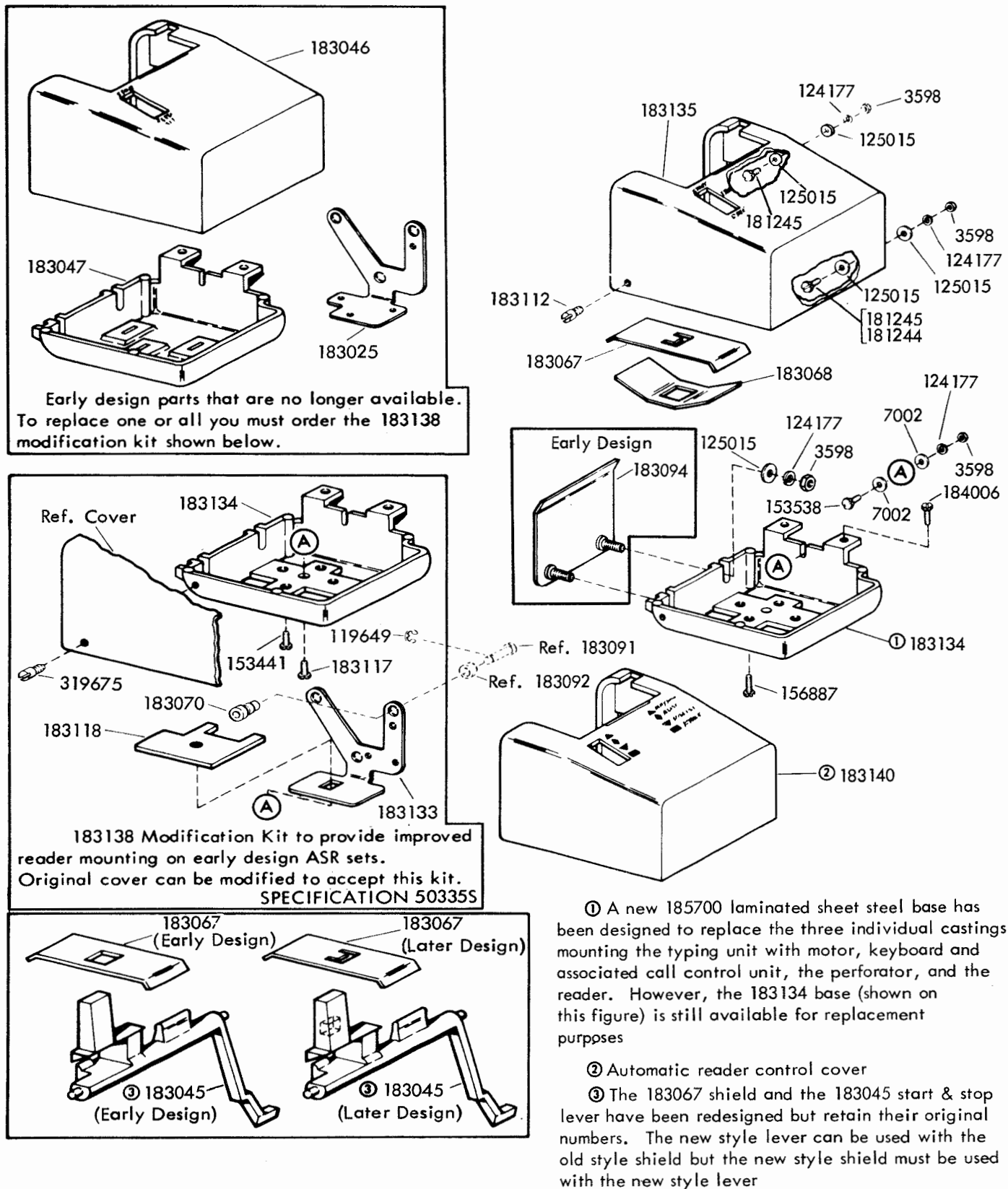


Fig. 3 - Reader Cover and Base

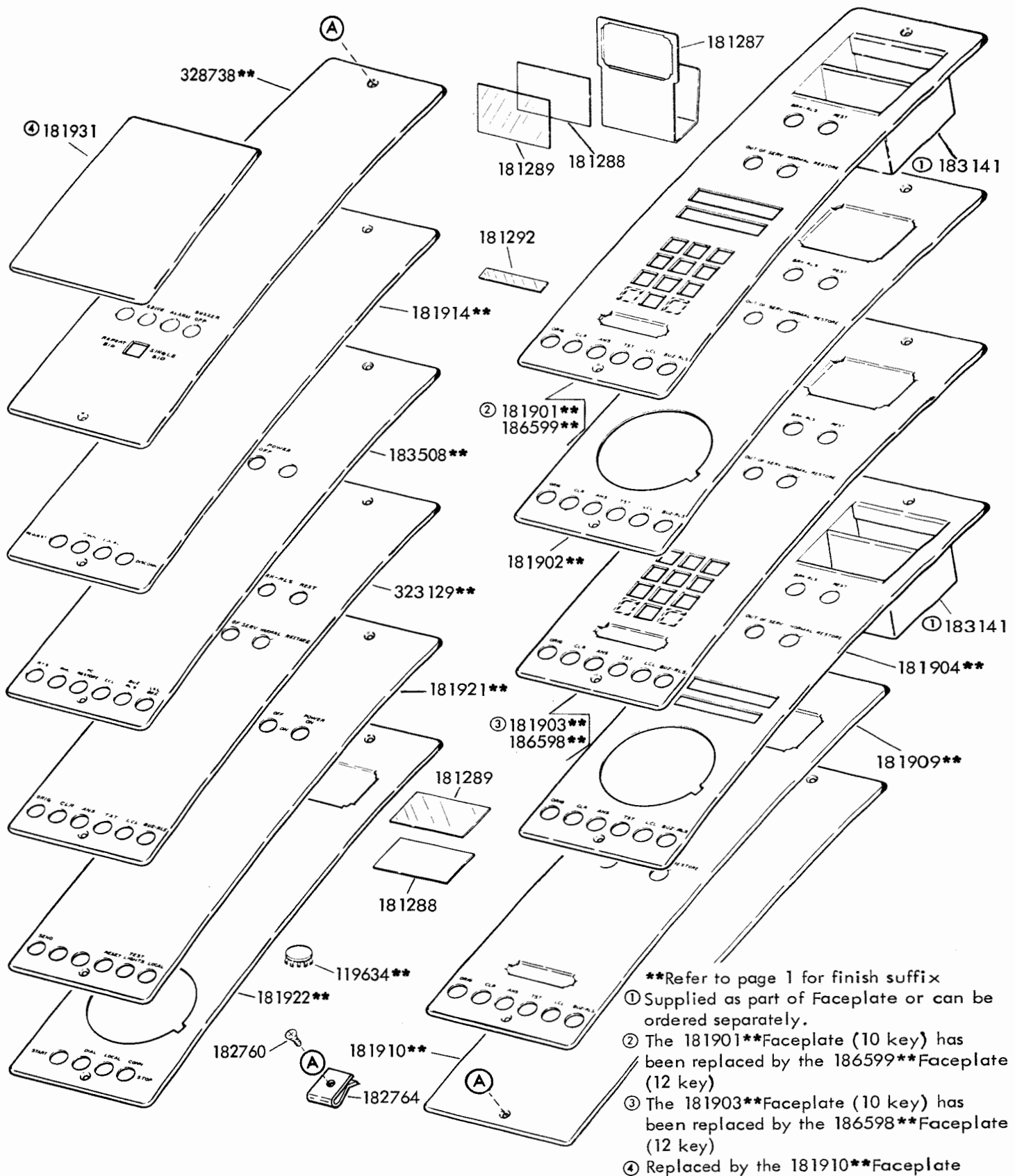


Fig. 4 - Faceplates

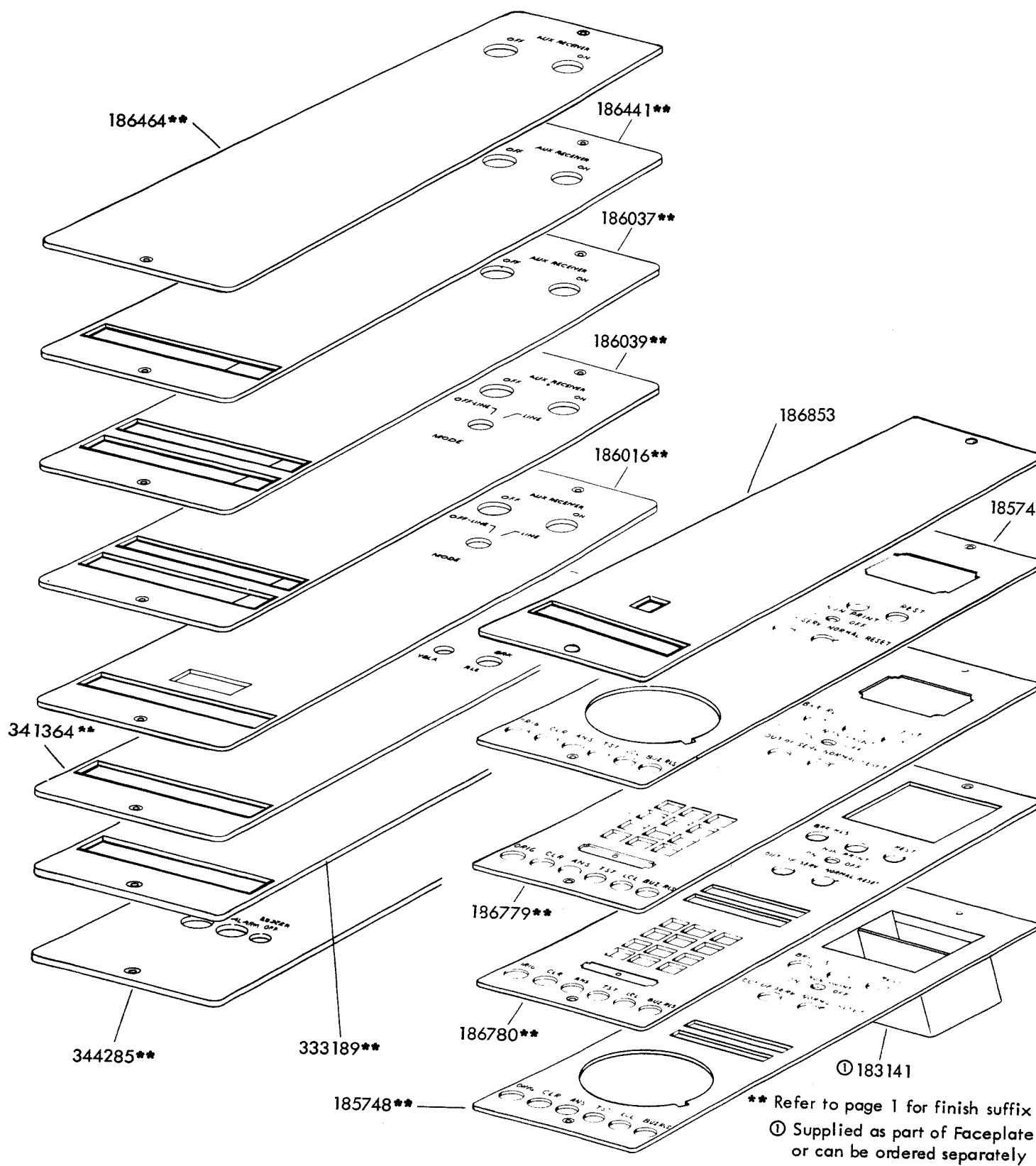


Fig. 4 - Faceplates (Cont)

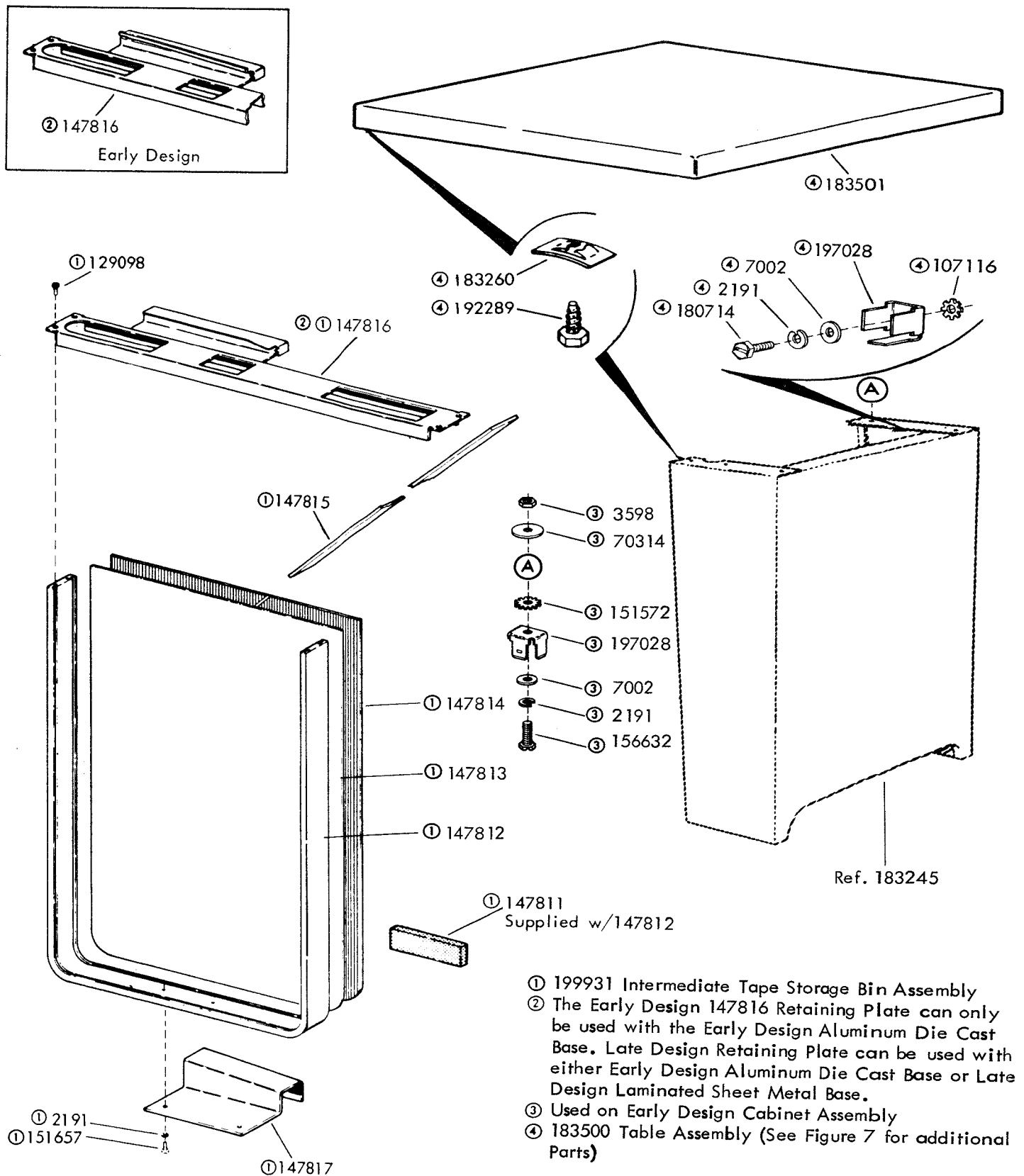


Fig. 5 - Cover and Tape Storage Bin

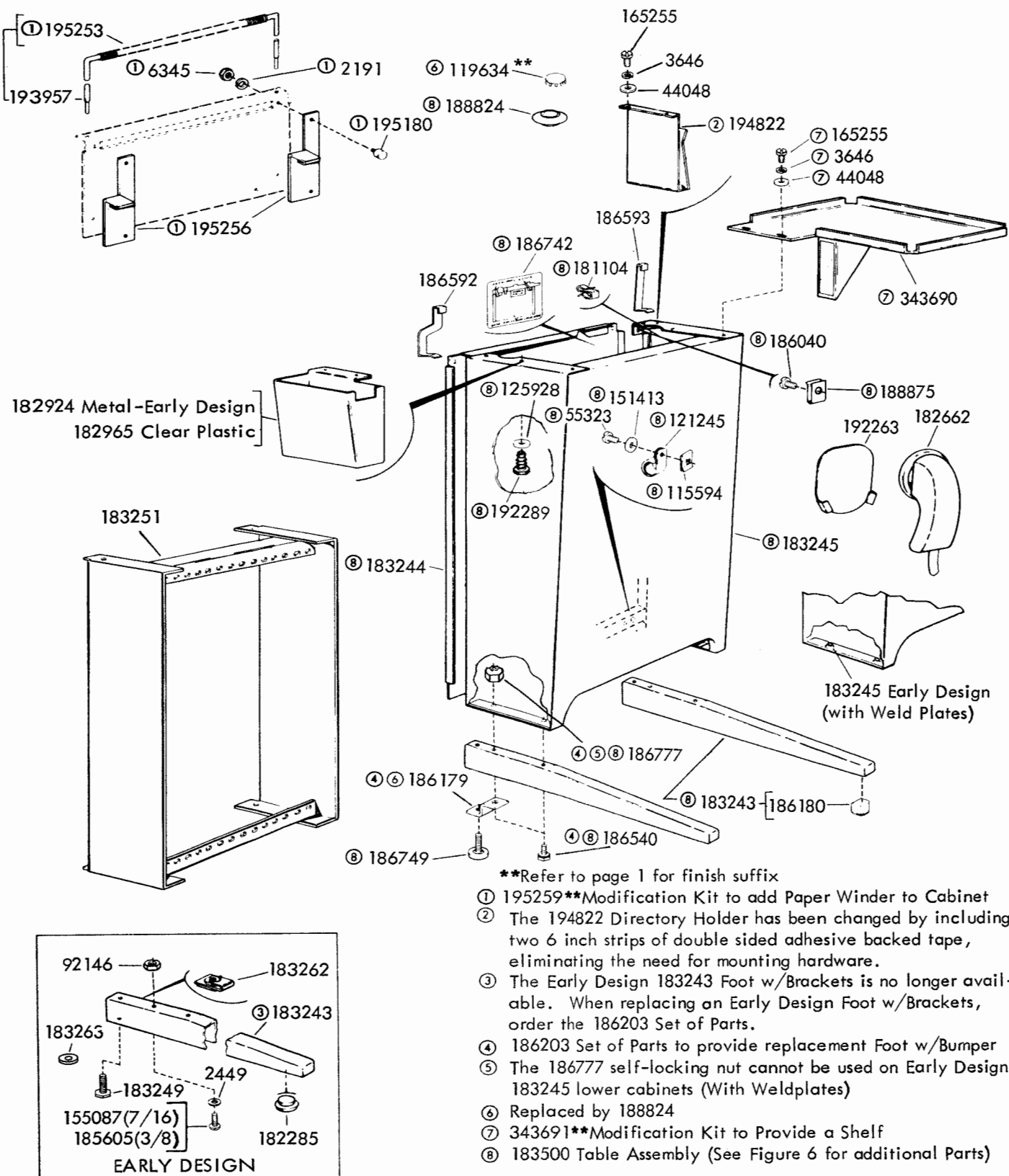
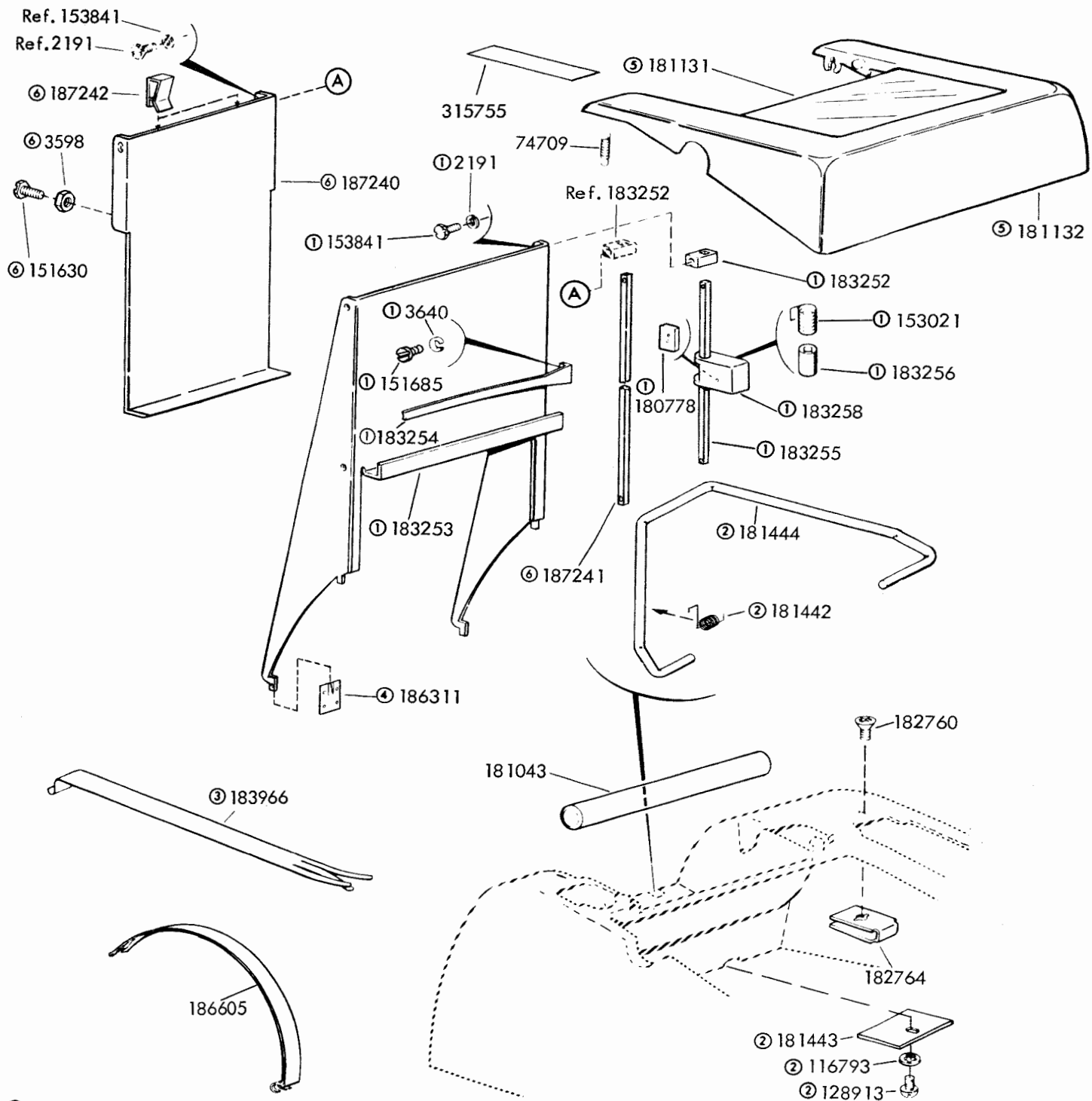


Fig. 6 - Cabinets



- ① 182036 Copyholder Assembly
- ② Used with Sets having Low Paper Alarm
- ③ No longer available. Order 186605
Paper Deflector
- ④ 186312 SOP to Provide Cover Repair
Bracket for Copyholder
- ⑤ The 181131 Lid Window has been redesigned

by adding nine holes to enable heat staking to the Lid rather than cementing as on the Early Design. Early and Late Design Lids w/Window are interchangeable. If however, a Late Design Lid w/Window needs a replacement Window, a 181132 Lid w/Window must be ordered.

⑥ 187239 Modification Kit to Extend Copyholder.

Fig. 7 - Lid and Copyholder

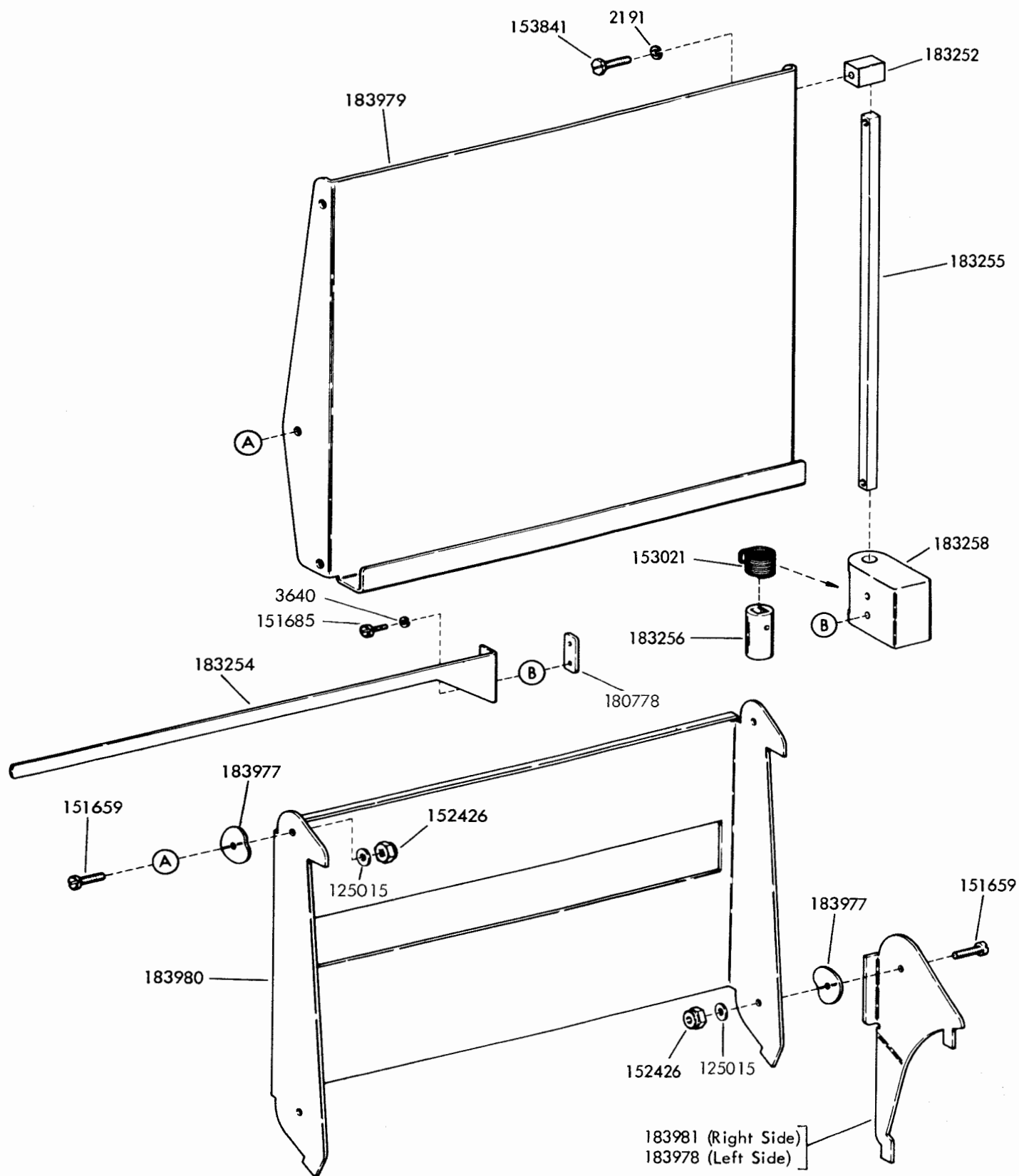


Fig. 8 - 183976 Adjustable Copyholder Assembly

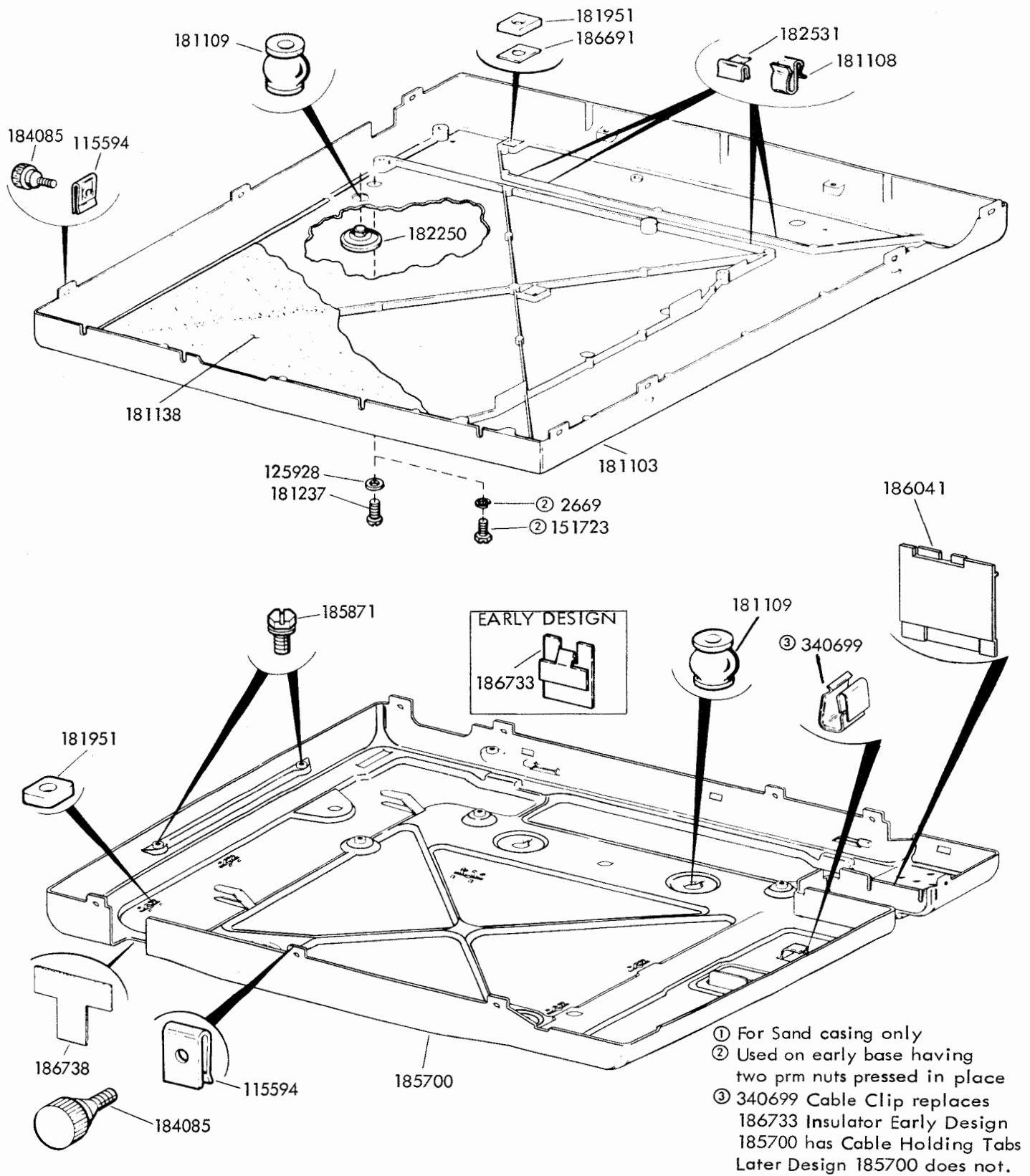


Fig. 9 - Subbases

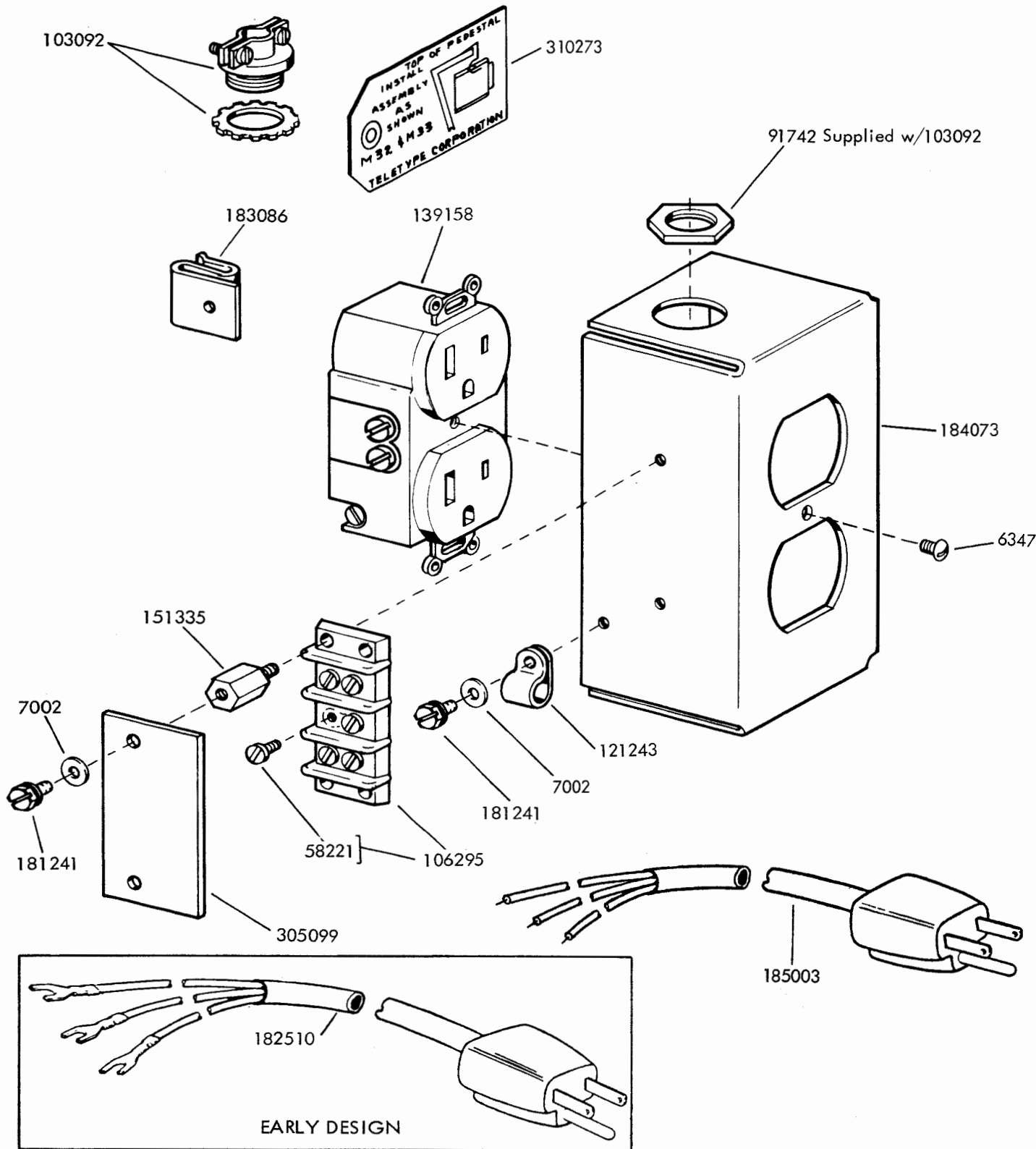


Fig. 10 - 184074 Outlet Box Assembly

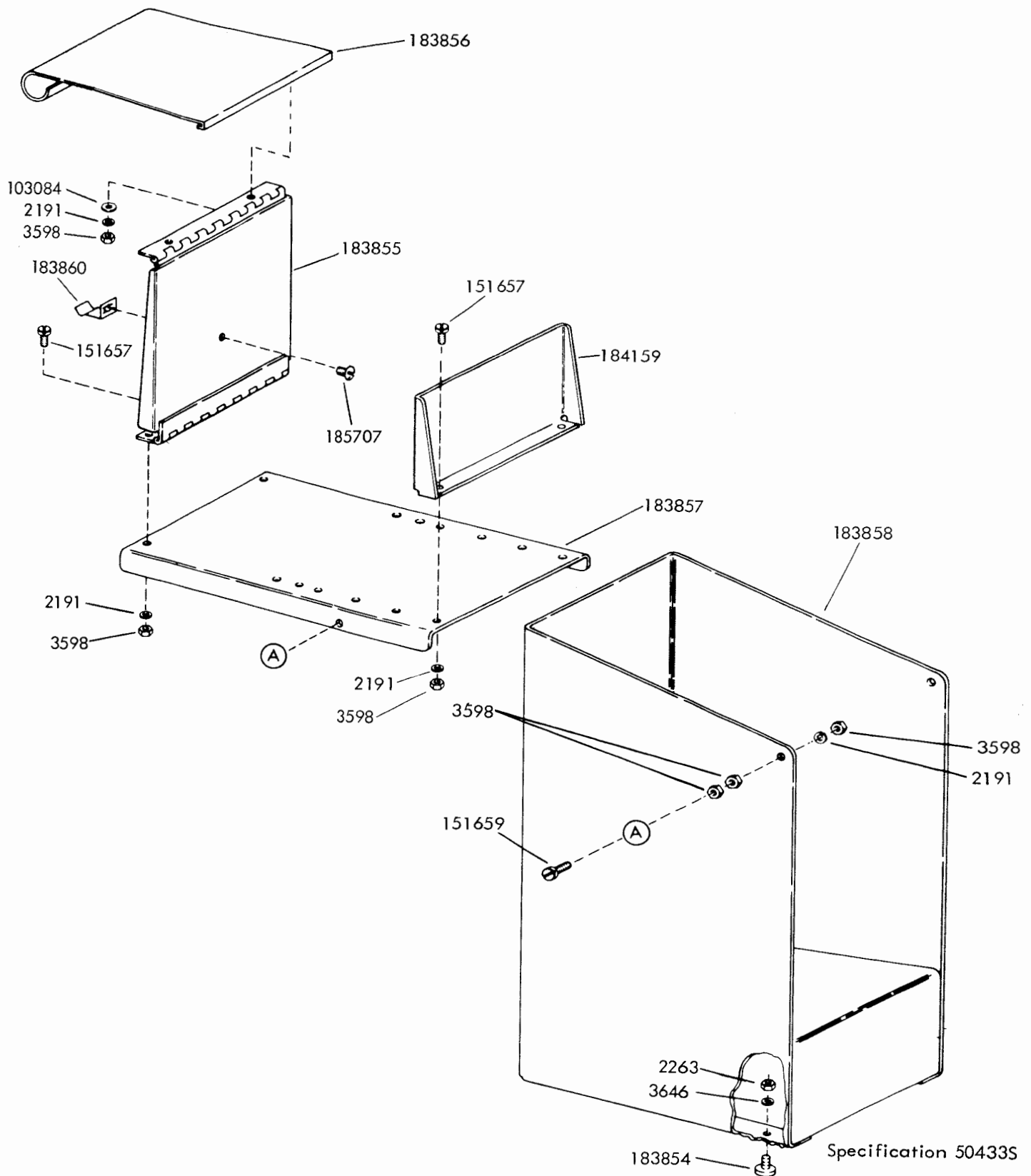
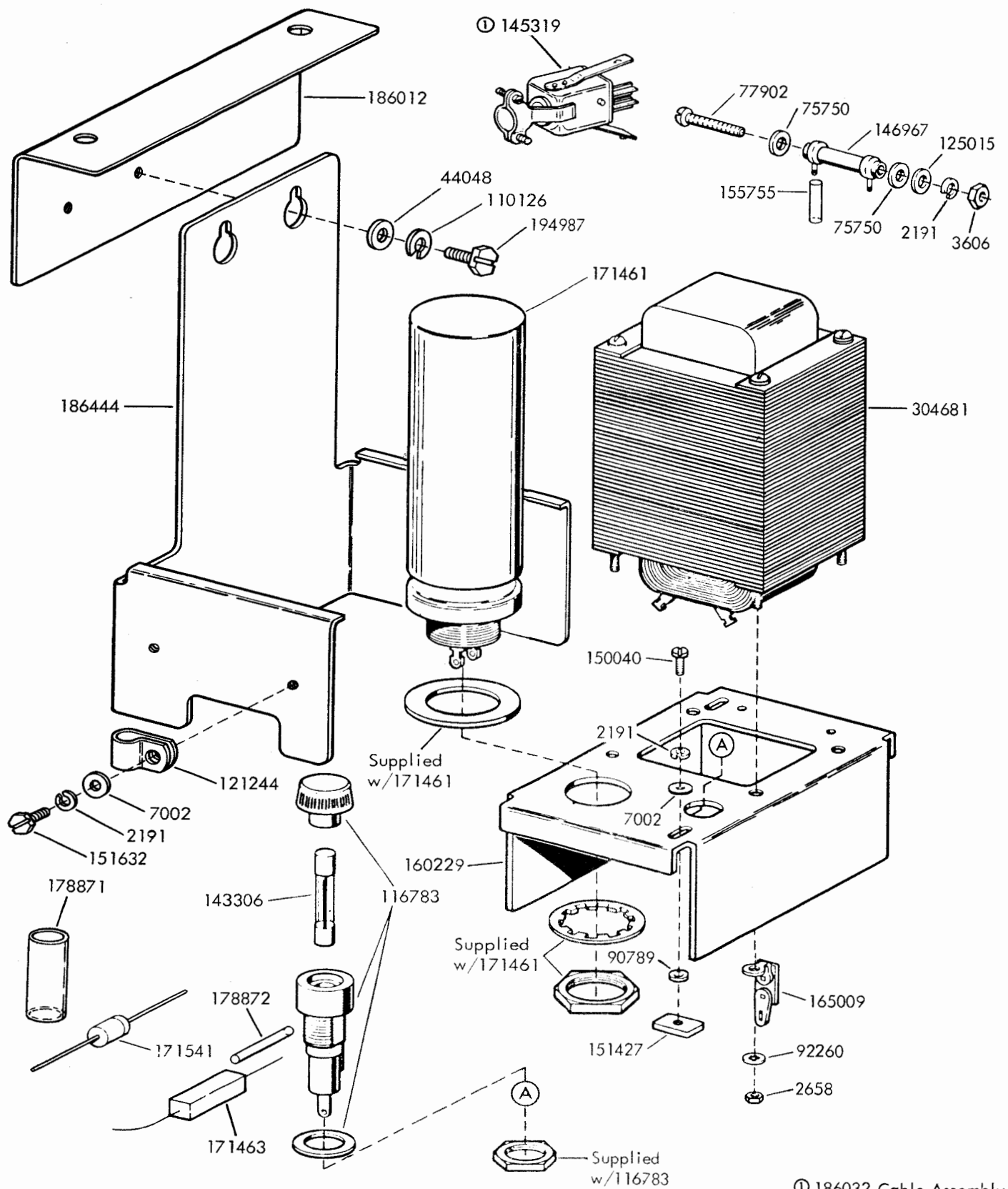


Fig. 11 - 183859 Modification Kit to Provide Paper Supply and Accumulating Shelf



① 186032 Cable Assembly

Fig. 12 - 186031 Rectifier Assembly

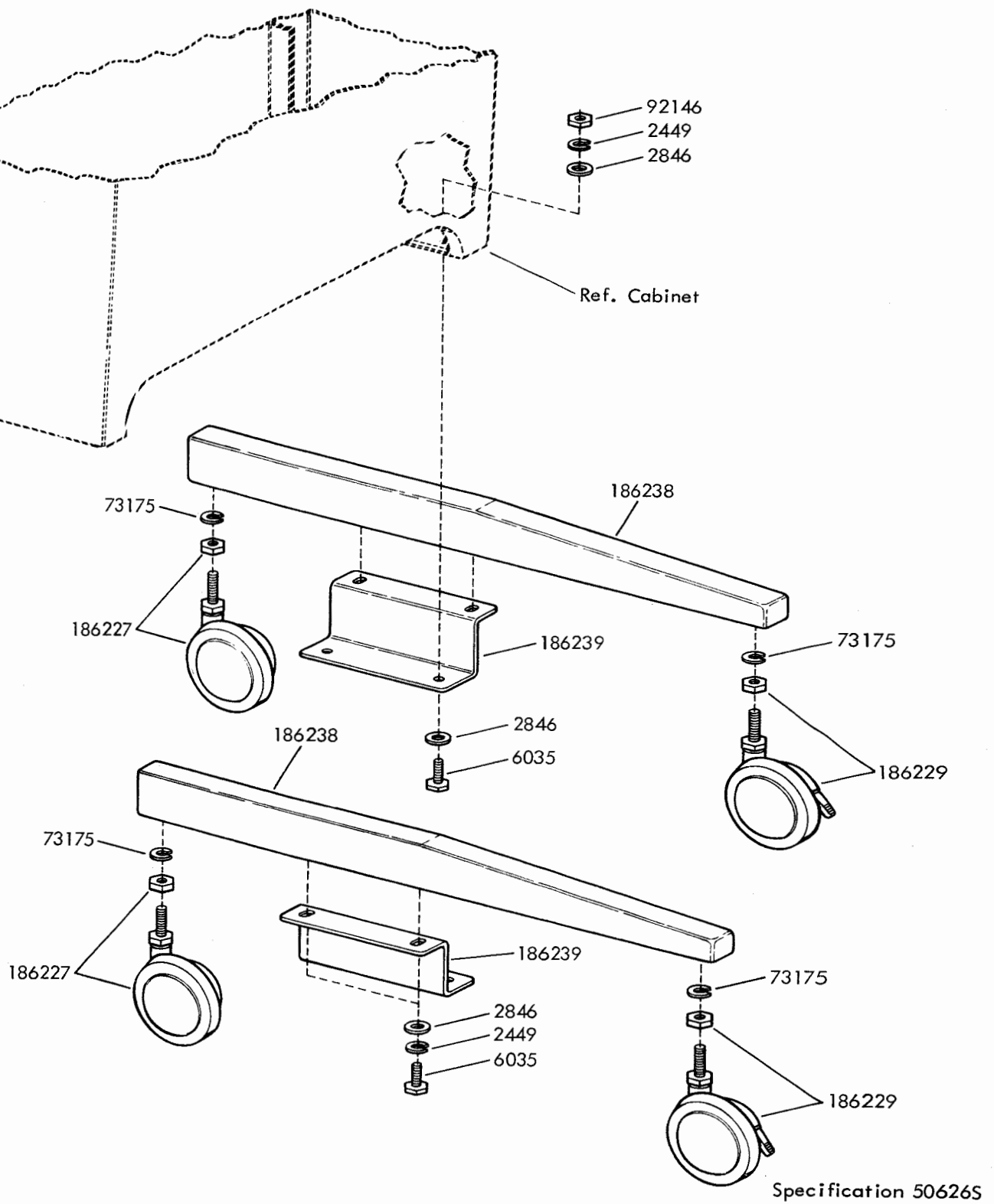
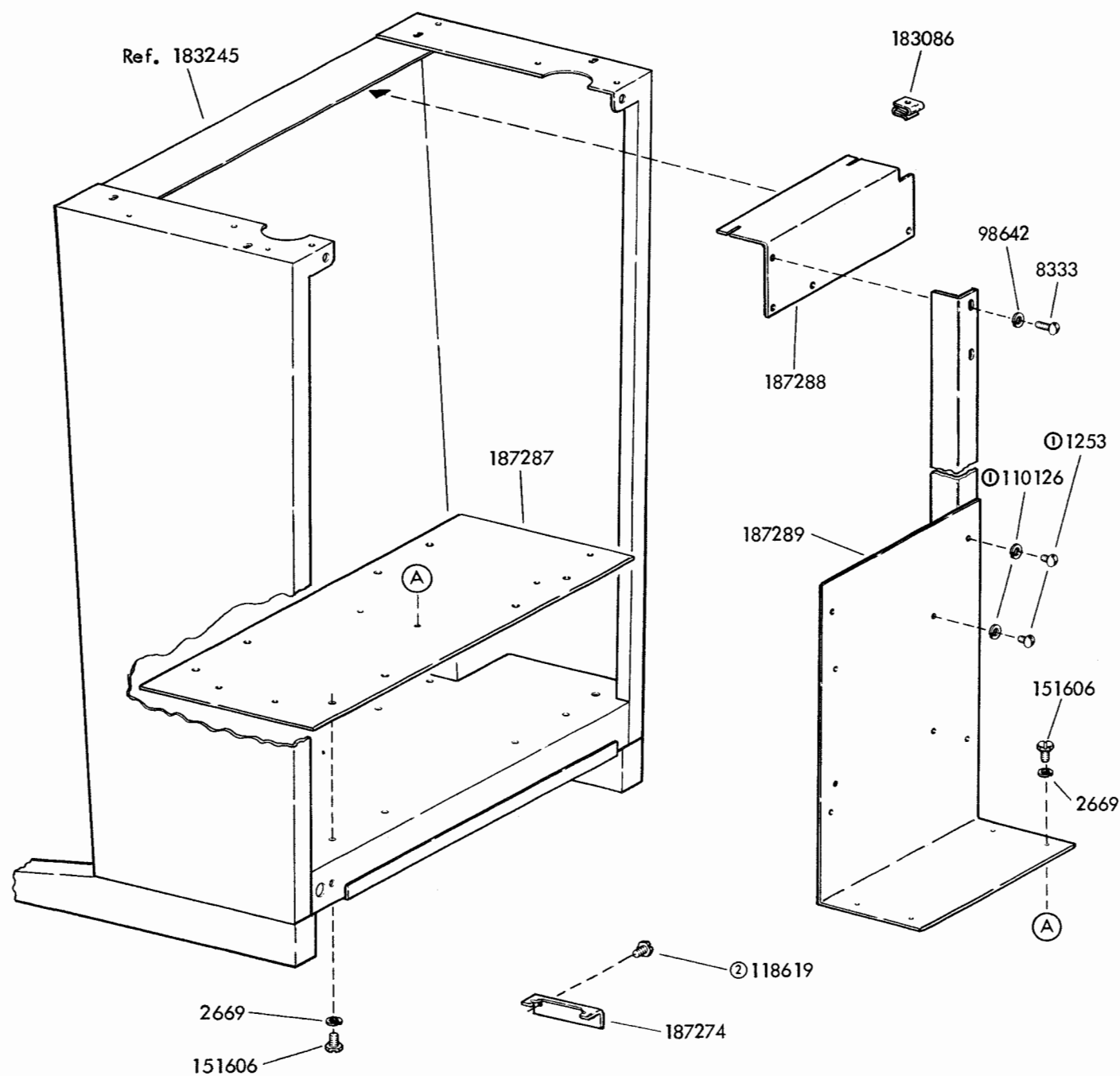


Fig. 13 - 186266 Modification Kit to Provide Mobility for Cabinet



- ① Mounts backboards for data auxiliary set.
- ② Mounts bracket to connector mounting panel.

Fig. 14 - 187286 Modification Kit to Provide Data Set and Station Controller Mounting

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1253	Screw, 8-32 x 3/8 Rd 16	147814	Window, Right Side 7	181241	Screw w/Lockwasher, 6-40 x 1/4 Hex 12
2191	Lockwasher, 7 to 10, 13, 14	147815	Divider, Tape Bin 7	181244	Screw w/Lockwasher, 6-40 x 7/16 Hex 3,4
2263	Nut, 8-32 Hex 13	147816	Plate, Retaining 7	181245	Screw w/Lockwasher, 6-40 x 1/2 Hex 4
2449	Lockwasher 8,15	147817	Guide, Tape Bin 7	181287	Holder, Card 5
2658	Nut, 6-32 Hex 14	150040	Screw, 6-40 x 5/8 Fil 14	181288	Lable, White 5
2669	Lockwasher 11	151335	Stud 12	181289	Window, Plastic 5
2846	Washer, Flat 15	151413	Washer, Flat 8	181292	Window, Plastic 5
3598	Nut, 6-40 Hex 3,4,7,9,13	151427	Plate, Clamp 14	181297	Cover, Insulating 2
3606	Nut, 6-40 Hex 14	151572	Lockwasher 7	181442	Spring, Torsion 9
3640	Lockwasher 9,10	151606	Screw, 10-32 x 1/4 Hex 16	181443	Plate, Clamp 9
3646	Lockwasher 8,13	151630	Screw, 6-40 x 1/4 Hex 9	181444	Rod, Sensing 9
6035	Screw, 1/4-20 x 5/8 Hex 15	151632	Screw, 6-40 x 3/8 Hex 14	181812	Nameplate 2
6345	Nut, 6-32 Hex 8	151657	Screw, 6-40 x 1/4 Fil 7,13	181900	Cover 2
6347	Screw, 6-32 x 3/8 Rd 12	151659	Screw, 6-40 x 1/2 Fil 10,13	181901**	Faceplate 5
7002	Washer, Flat 8,14	151685	Screw, 4-40 x 5/16 Fil 9,10	181902**	Faceplate 5
8333	Screw, 10-32 x 3/8 Rd 16	151723	Screw, 10-32 x 3/8 Hex 11	181903**	Faceplate 5
44048	Washer, Flat 8,14	152426	Nut, 6-40 Self Locking 10	181904**	Faceplate 5
55323	Screw, 8-32 x 1/2 Rd 8	153021	Spring, Torsion 9,10	181909**	Faceplate 5
58221	Screw, 6-32 x 1/4 Fil 12	153441	Screw, 10-32 x 7/16 Hex 4	181910**	Faceplate 5
70314	Washer, Flat 7	153538	Screw, 6-40 x 7/16 Hex 4	181914**	Faceplate 5
73175	Lockwasher 15	153841	Screw, 6-40 x 9/16 Hex 9,10	181921**	Faceplate 5
74709	Spring 9	155087	Screw, 1/4-20 x 7/16 Rd 8	181922**	Faceplate 5
75750	Washer, Insulating 14	155755	Sleeve, 11/64 ID x 5/8" Lg Insulating 14	181931	Faceplate 5
77902	Screw, 6-40 x 2-3/8 Rd 14	156632	Screw, 6-40 x 13/32 Hex 7	181951	Insert, Nylon 11
90789	Washer, Flat 14	156887	Screw, 10-32 x 9/16 Hex 4	182036	Copyholder Assembly 9
91742	Nut, Lock 12	160229	Plate, Mounting 14	182109	Lid Assembly 3
92146	Nut, 1/4-20 Hex 8,15	165009	Terminal 14	182250	Foot, Rubber 11
92260	Lockwasher 14	165255	Screw, No. 8 Spl 8	182278	Support 2
98642	Lockwasher 16	171461	Capacitor, 900 MFD 14	182285	Bumper, Rubber 8
103084	Washer, Flat 13	171463	Resistor, 9 Ohm 14	182468	Lid 3
103092	Connector, Cord 12	171541	Diode 14	182510	Cord, Power 12
106295	Block, Terminal 12	178871	Sleeve, 1/2 ID x 1-1/8" Lg Insulating 14	182531	Clip, Speed 11
107116	Lockwasher 7	178872	Sleeve, 1/16 ID x 1-1/4" Lg Insulating 14	182662	Receiver 8
110126	Lockwasher 14	180714	Screw, No. 6 Self Tapping 7	182760	Screw, 6-32 Spl 5,9
115594	Nut, Speed 8,11	180778	Plate 9,10	182764	Nut, Speed 5,9
116783	Holder, Fuse 14	181043	Spindle, Paper Roll 9	182912	Lid 3
116793	Lockwasher 9	181103	Cover, Base 11	182913	Base, Cover 3
118619	Screw, 4-40 Self Tapping 16	181104	Clip, Cable 8	182917	Spring, Special 3
119634**	Button, Plug 5,8	181108	Clip, Cable 11	182918	Spindle 3
119649	Ring, Retaining 4	181109	Mount, Vibration 11	182919	Button 3
121243	Clamp, 3/16" ID Cable 12	181131	Window, Lid 9	182921	Cover, Right 3
121244	Clamp, 1/4 ID Cable 14	181132	Lid w/Window 9	182922	Cover, Left 3
121245	Clamp, 5/16" ID Cable 8	181133	Cover 2	182924	Box, Chad 8
124177	Lockwasher 3,4	181135	Nameplate 2	192926	Cover Assembly 3
125015	Washer, Flat 3,4,10,14	181137	Nameplate 2	182927	Cover 2
125928	Washer, Flat 8,11	181138	Pad 11	182928	Cover 2
128913	Screw, 8-32 Self Tapping 9	181139	Label, Designation (Bell) 2	182932	Nut, Speed 3
129098	Screw, 6-40 x 11/32 Flat 7	181140	Label, Designation (W.U.) 2	182935	Hub 3
139158	Connector, Duplex Receptacle 12	181141	Screw, 8-32 Spl 2	182965	Box, Chad 8
143306	Fuse, SL-BL 1 Amp 14	181148	Nameplate 2	183025	Bracket 4
145319	Receptacle, 4 Pt Plug 14	181237	Screw, 1/4-14 Self Tapping 11	183045	Cover 4
146967	Resistor, 750 Ohm 14			183046	Cover 4
147811	Spacer, .250" Thk 7				
147812	Frame, Tape Bin 7				
147813	Window, Left Side 7				

**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
183047	Base 4	184074	Box Assembly, Outlet 1,12	186714	Plate, Identification 2
183067	Shield 4	184085	Screw, 8-32 Thumb 2,11	186715	Plate, Identification 2
183068	Spring, Shield 4	184159	Bracket, Back Stop 13	186733	Insulator 11
183070	Grommet, Rubber 4	184206	Lid Assembly 3	186738	Insulator 11
183086	Clip 12, 16	184208	Spring 3	186742	Label 8
183091	Post 4	185003	Cord, Power 12	186749	Bolt w/Cap 8
183092	Cup 4	185005	Spring 3	186777	Nut, 1/4-20 Self-Locking 8
183094	Plate w/Studs 4	185006	Lid Assembly 3	186779**	Faceplate 6
183112	Screw, 4-40 x 9/64 Fil 4	185605	Screw, 1/4-14 Self Tapping 8	186780**	Faceplate 5
183117	Screw, 10-32 x 5/8 Hex 4	185698	Cable, Designation 2	187238	Cover 2
183118	Plate, Clamp 4	185700	Base 4,11	187239	Modification Kit 9
183125	Label 2	185707	Screw, 10-24 x 5/16 Rd 13	187240	Extension, Copyholder 9
183133	Bracket 4	185745**	Faceplate 6	187241	Shaft 9
183134	Base 4	185748**	Faceplate 6	187242	Clip 9
183135	Cover 4	185815	Nameplate 2	187246	Screw, 8-18 x 1/2 Hex 3
183138	Modification Kit 4	185871	Screw w/Lockwasher 8-32 x 3/8 Hex 11	187247	Screw, 8-18 x 2-1/2 Hex 3
183140	Cover 4	186012	Bracket 14	187258	Label 2
183141	Holder, Card 5,6	186016**	Faceplate 6	187259	Label 2
183243	Foot w/Bumper 8	186031	Rectifier Assembly 1,14	187286	Modification Kit 1,16
183244	Panel 8	186032	Cable Assembly 14	187287	Plate, Base 16
183245	Cabinet, Lower 7,8,16	186037**	Faceplate 6	187288	Bracket, Support 16
183249	Screw, 5/16-18 Spl 8	186039**	Faceplate 6	187289	Bracket, Mounting 16
183251	Rack 8	186040	Screw, 8 x 1/2 Spl 8	187300	Cover 2
183252	Post 9,10	186041	Cover 11	188824	Plug, Button 8
183253	Copyholder 9	186054	Nameplate 2	188875	Nut, Speed 8
183254	Guide, Line 9,10	186055	Nameplate 2	192263	Holder, Handset 8
183255	Shaft 9,10	186056	Nameplate 2	192289	Screw, 1/4-14 Self Tapping 7,8
183256	Bushing 9,10	186057	Nameplate 2	193957	Spring, Roller 8
183258	Handle, Copyholder 9,10	186179	Bracket 8	194822	Holder, Directory 8
183260	Nut, Speed 7	186180	Bumper, Rubber 8	194987	Screw, 8-32 x 3/8 Hex 14
183262	Retainer, Nut 8	186202	Shield 2	195180	Bumper, Rubber 8
183263	Cap, Light Gray 8	186203	Set of Parts 8	195253	Rack Assembly, Display 8
183500	Table Assembly 7,8	186208	Cover 2	195256	Hanger 8
183501	Cover, Stand 7	186226	Modification Kit 1,15	195259**	Modification Kit 8
183508**	Faceplate 5	186227	Caster 15	197028	Terminal 7
183513	Cover 2	186229	Caster w/Brake 15	199931	Bin Assembly, Tape Storage 7
183854	Foot 13	186238	Foot 15	304681	Transformer 14
183855	Plate w/Hinges 13	186239	Bracket 15	305099	Cover, Insulating 12
183856	Guide, Paper 13	186311	Bracket 9	310273	Tag, Instruction 12
183857	Shelf, Paper 13	186312	Set of Parts 9	315755	Label 9
183858	Bin, Paper Supply 13	186441**	Faceplate 5	319675	Stud 2
183859	Modification Kit 1,13	186444	Bracket 14	323129**	Faceplate 5
183860	Clip, Spring 13	186464**	Faceplate 6	328738**	Faceplate 5
183966	Deflector, Paper 9	186540	Screw, 1/4-20 x 1/4 Spl 8	333189**	Faceplate 6
183976	Copyholder Assembly 1,10	186592	Clip 8	340021	Plate, Identification 2
183977	Washer, Spring 10	186593	Clip 8	340699	Clip, Cable 11
183978	Bracket, Left 10	186598**	Faceplate 5	341364**	Faceplate 6
183979	Copyholder 10	186599**	Faceplate 5	343690	Shelf 8
183980	Link 10	186605	Deflector, Paper 9	343691**	Modification Kit 8
183981	Bracket, Right 10	186691	Insert 11	344285**	Faceplate 6
184006	Screw, 8-32 Self Tapping 4	186713	Plate, Identification 2		
184035	Label, Designation 2				
184073	Bracket, Outlet 12				

**Refer to page 1 for finish suffix