

33 TYPING UNIT (UP)

PARTS

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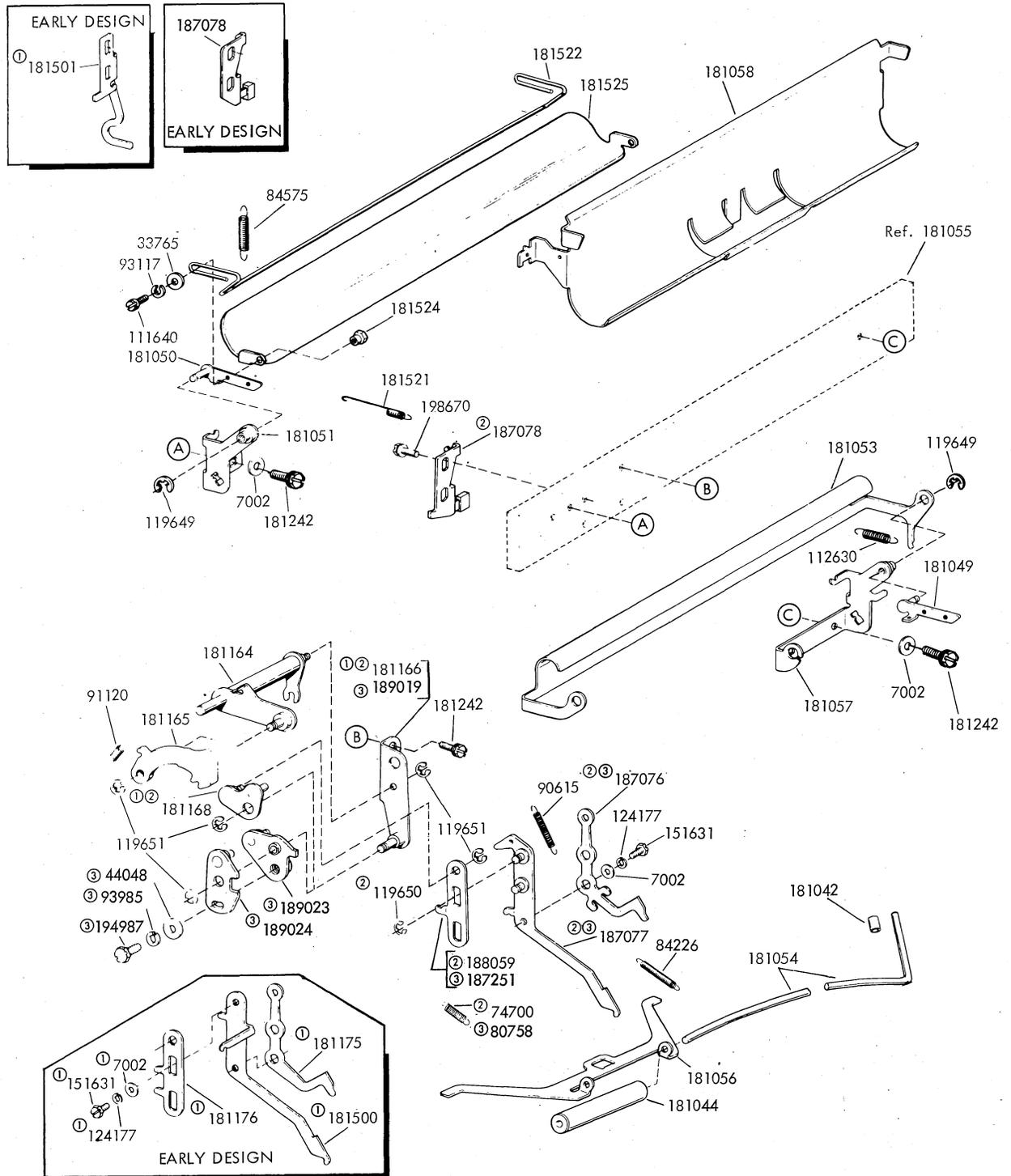
TELETYPE CORPORATION CODE TO BELL SYSTEM CODE CROSS REFERENCE CHART		
Ribbon	Teletype Corporation Code	Bell System Code
Black	181129	61215

Bell System Codes

UP800	UP831
UP801	UP832
UP802	UP833
UP803	UP834
UP821	UP851
UP822	UP853
UP823	UP855
UP824	UP857
UP828	UP858

The part identification information contained in the following change notices have been incorporated in this issue.	
TCNs	1171,1663,1637,1683,1718,1746,1762,1768, 1789,1811,1813,1814,1815,1816,1830,1831, 1837,1838,1839,1848,1849,1850,1852,1858, 1861,1868,1878,1880,1884,1885,1912

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



- ① Early Design, Pry Adjustment
- ② Intermediate Design, Yield Adjustment
- ③ Late Design, Yield with Pry

FIGURE 2. PAPER HANDLING MECHANISM - FRICTION FEED

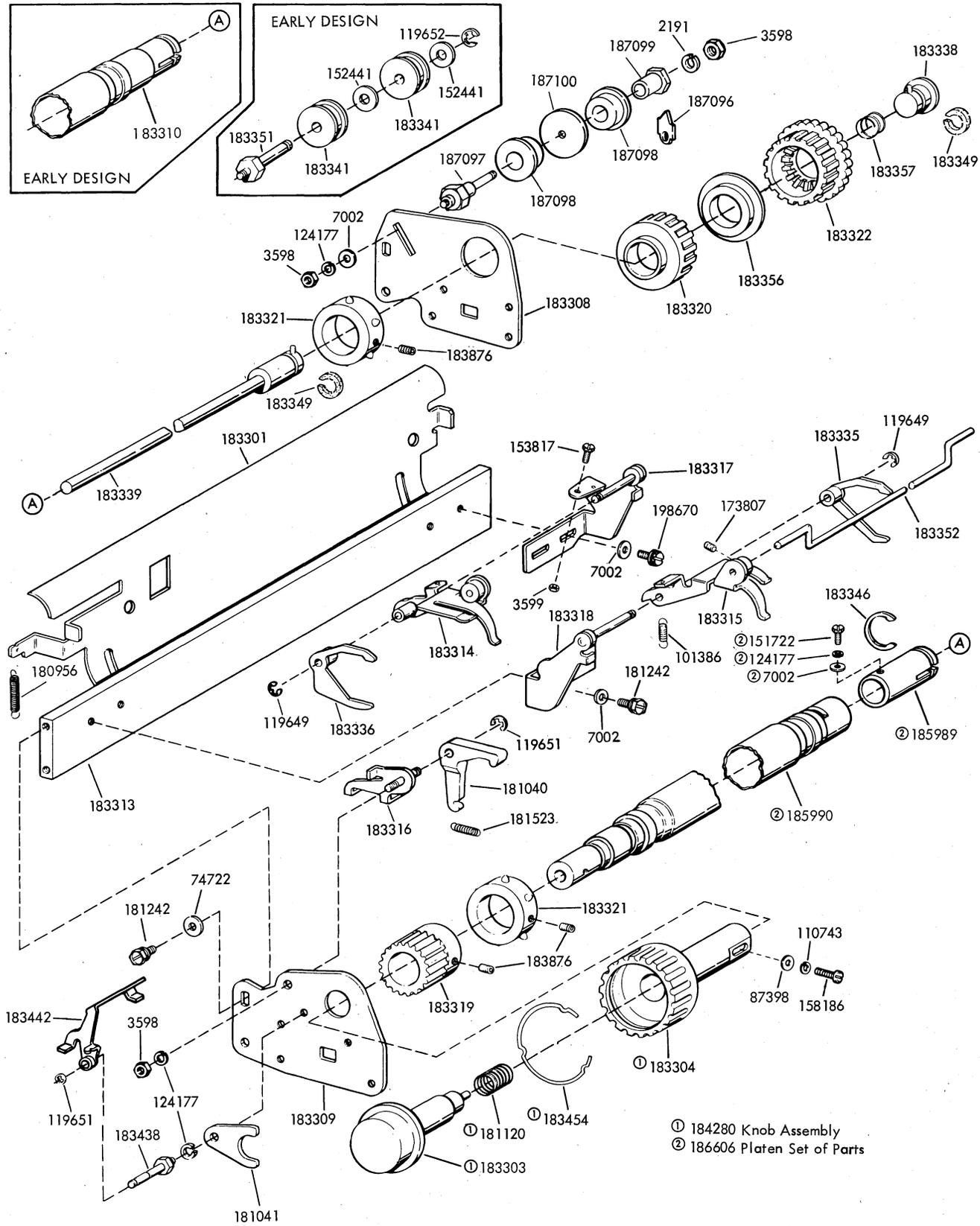


FIGURE 3. PLATEN MECHANISM - SPROCKET FEED

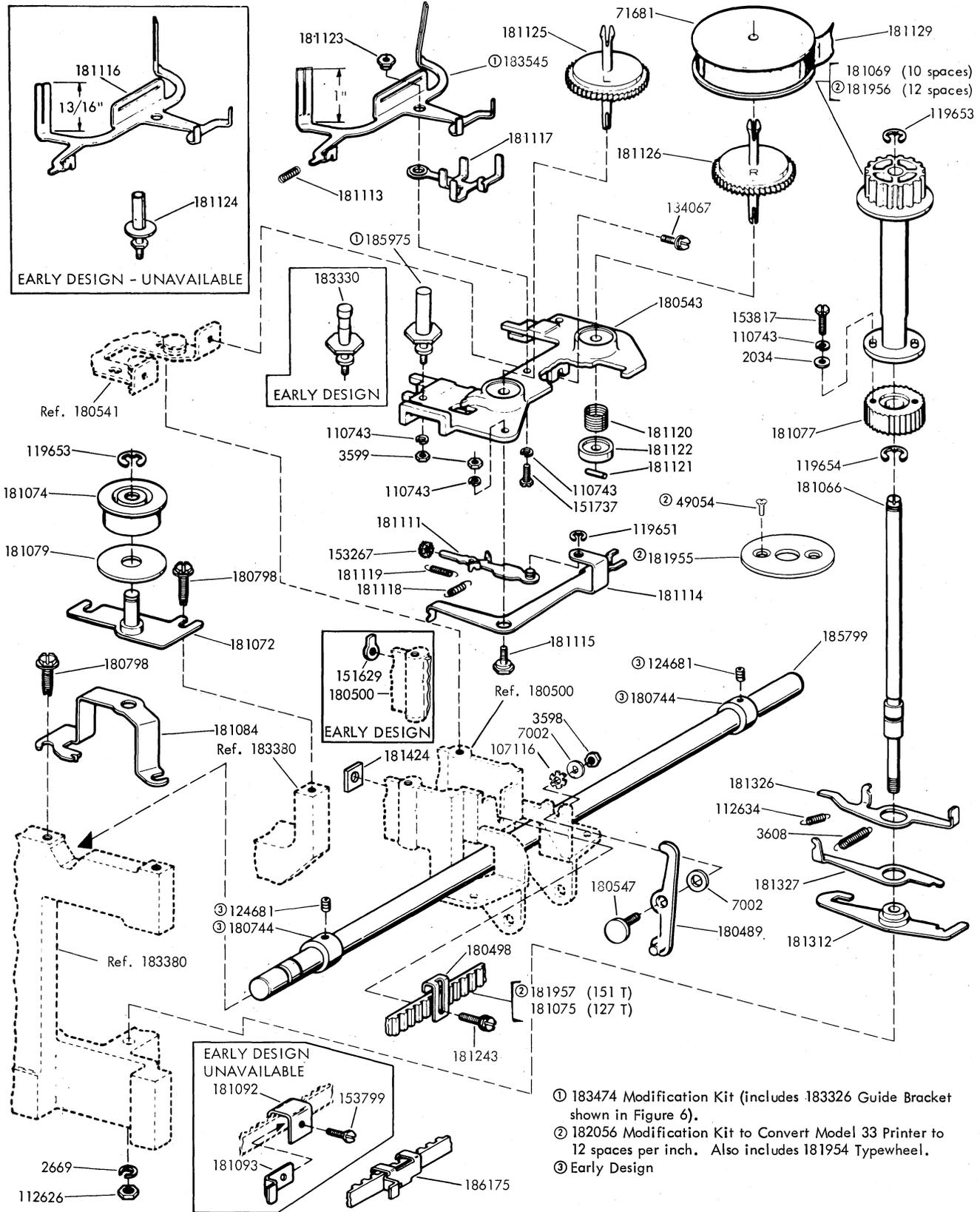


FIGURE 5. RIBBON FEED MECHANISM

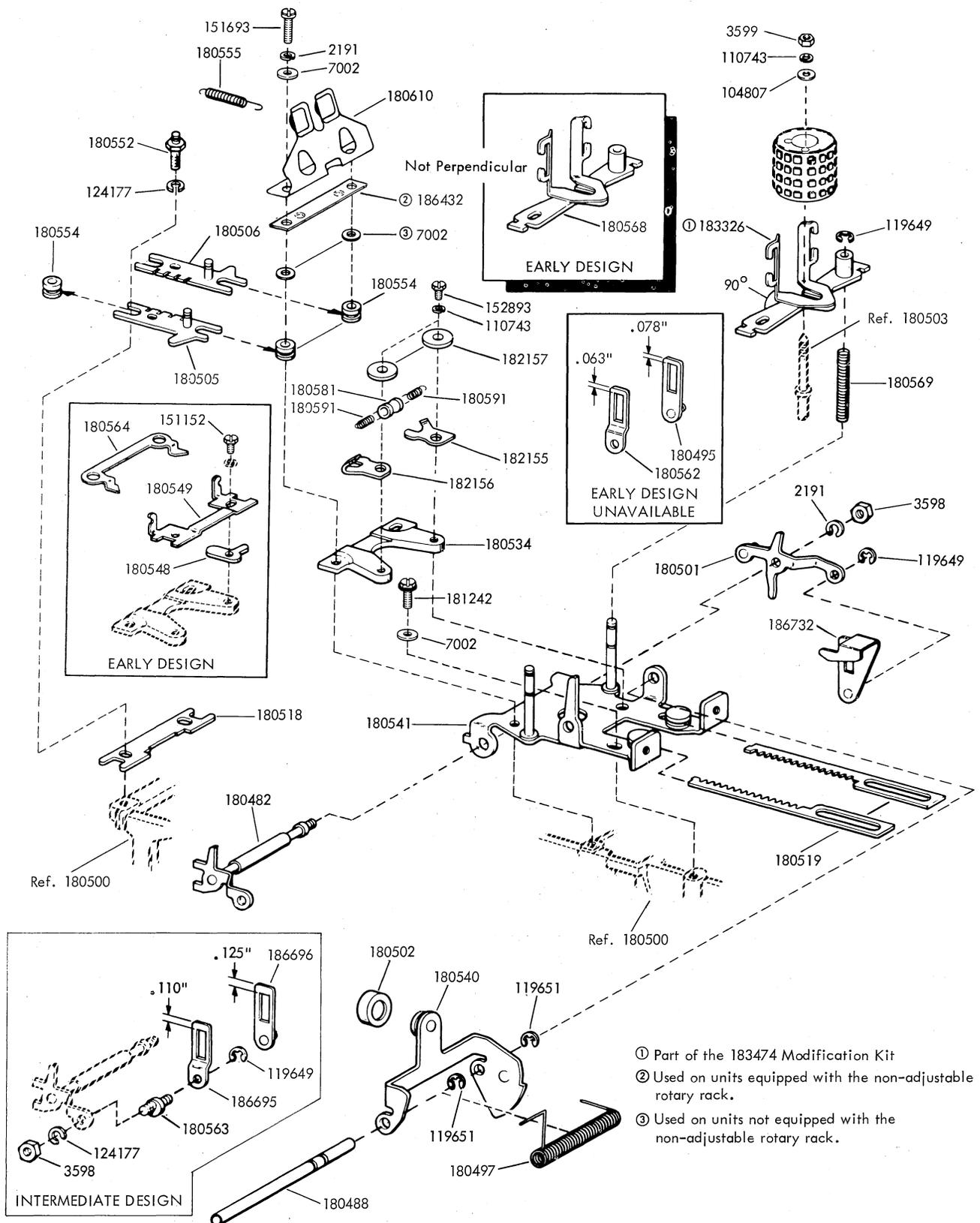


FIGURE 6. CARRIAGE UPPER PLATE MECHANISM

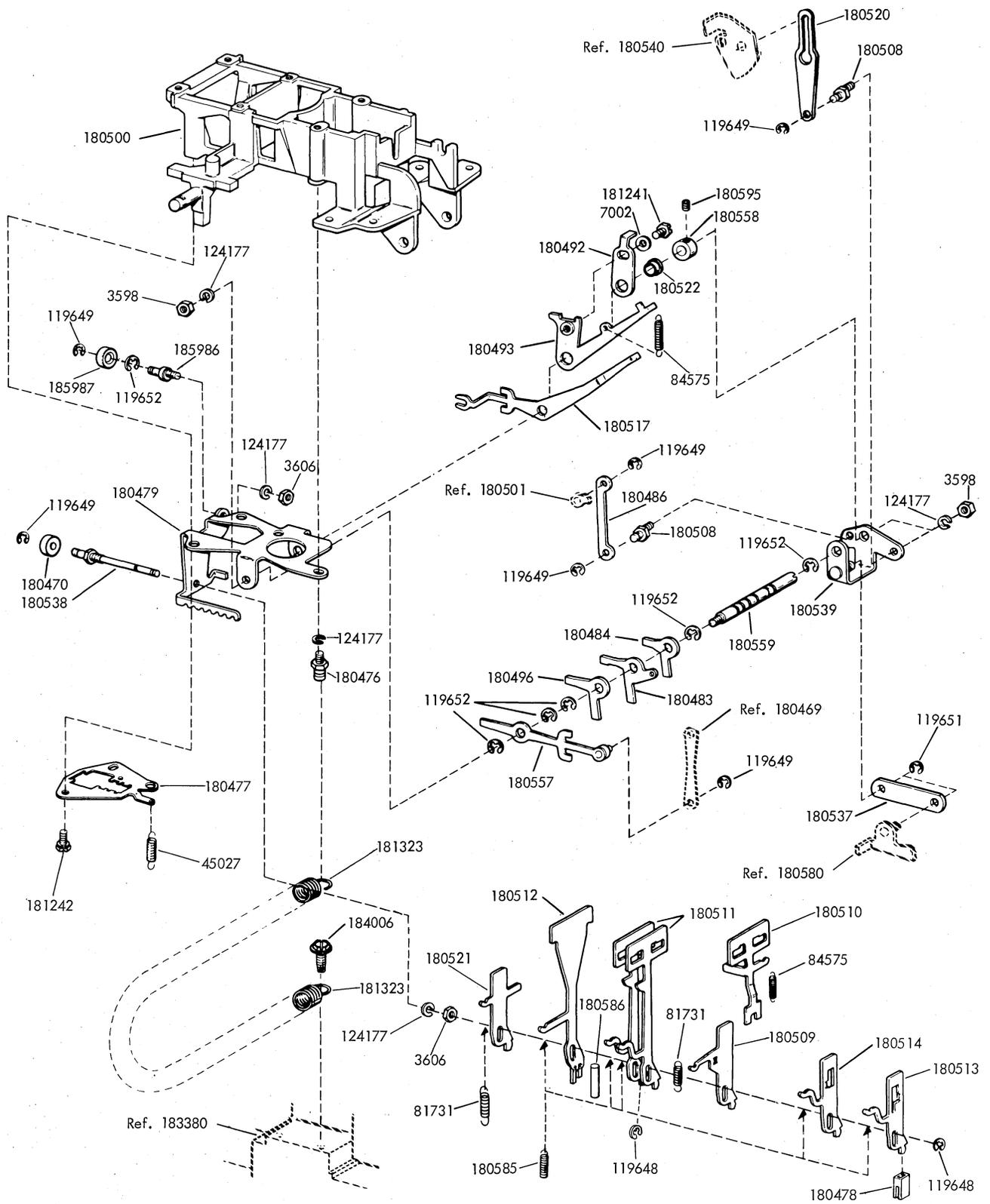
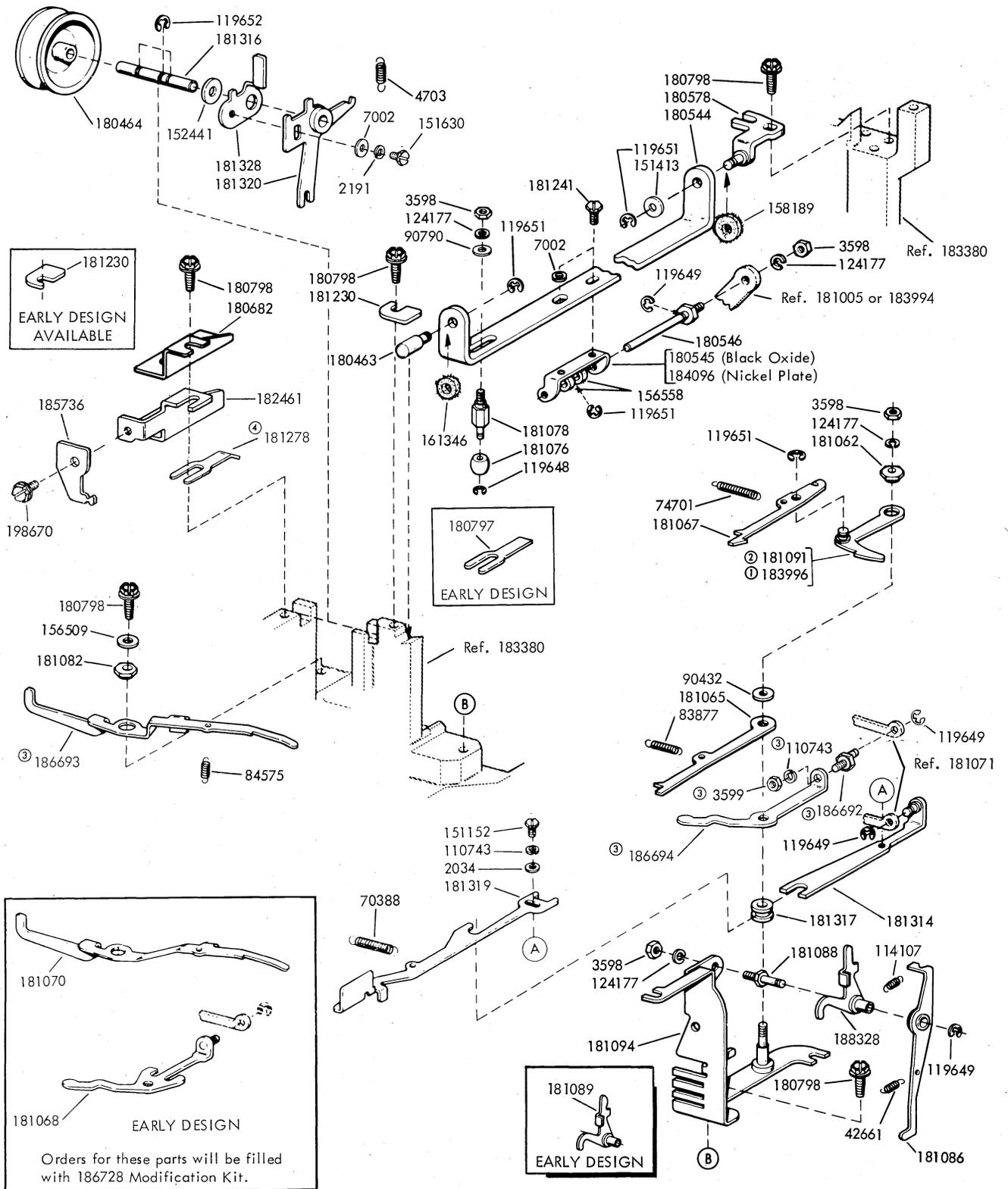


FIGURE 8. CARRIAGE LOWER PLATE MECHANISM



- ① Used with 183994 (Figure 11)
- ② Used with 181005 (Figure 11)
- ③ 186728 Modification Kit
- ④ 181278 replaces 180797

FIGURE 10. CARRIAGE DRIVE MECHANISM

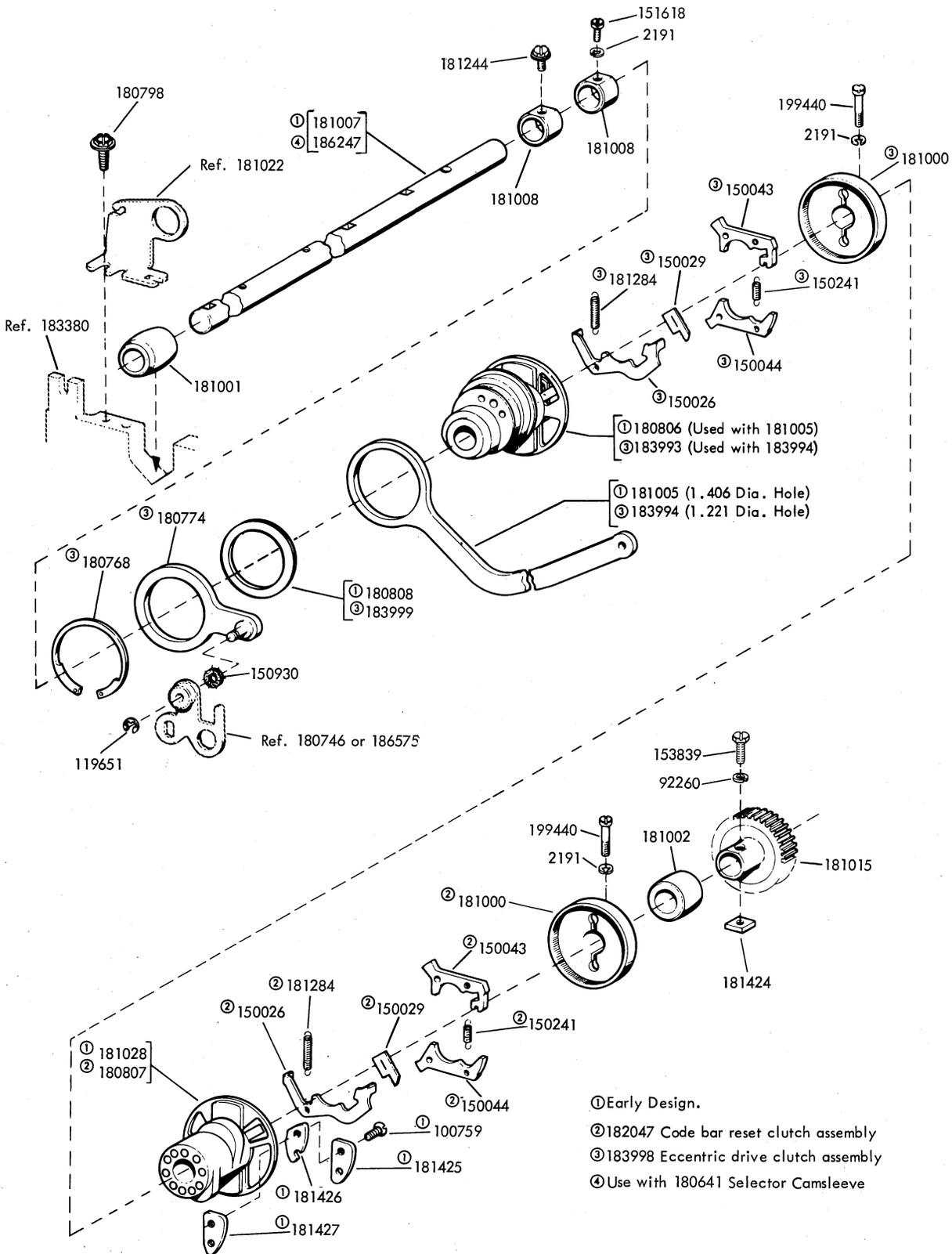


FIGURE 11. MAINSHAFT MECHANISM FRICTION FEED

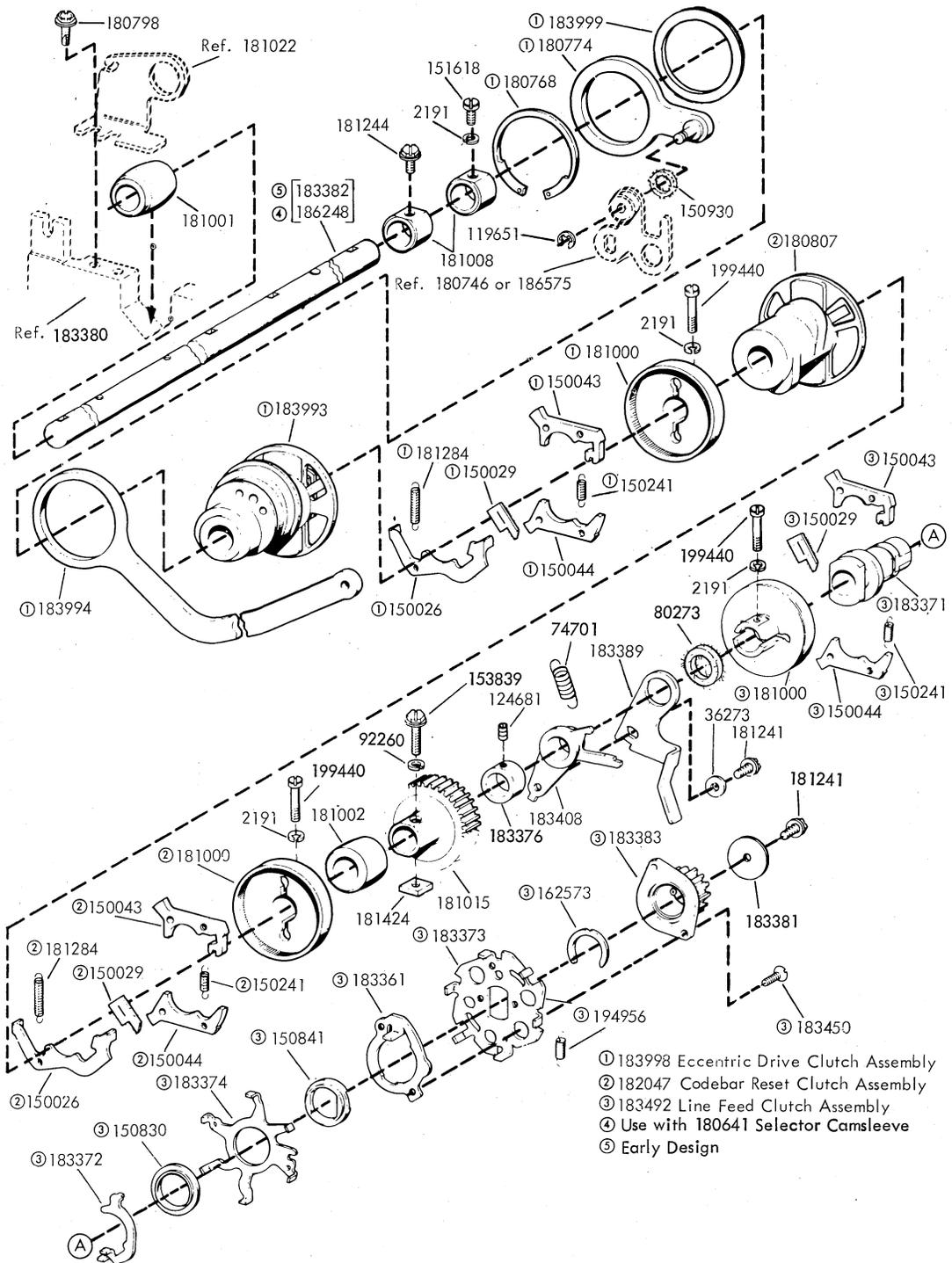


FIGURE 12. MAIN SHAFT MECHANISM - SPROCKET FEED

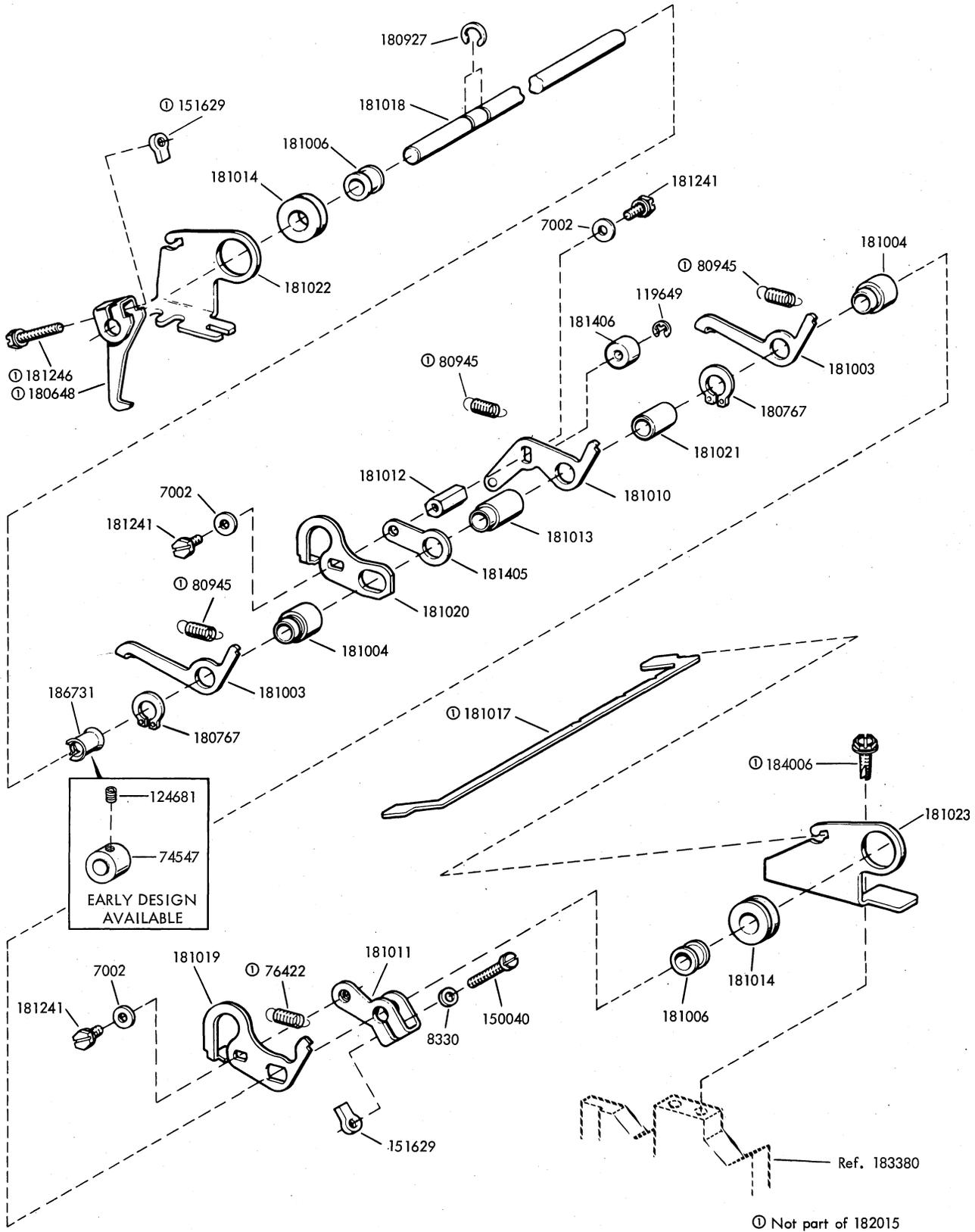


FIGURE 13. 182015 CLUTCH TRIP LEVER ASSEMBLY

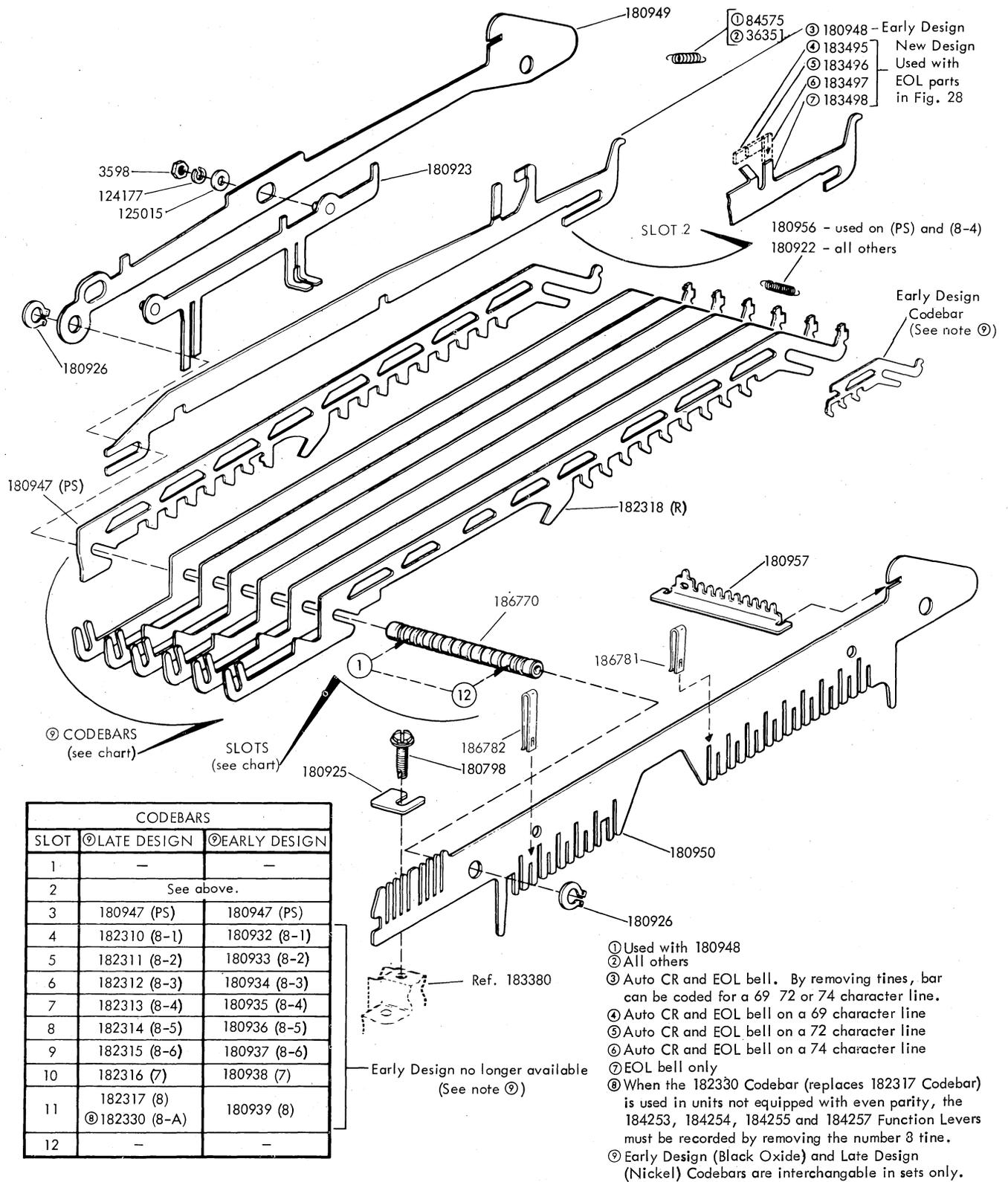


FIGURE 14. CODEBAR BASKET MECHANISM

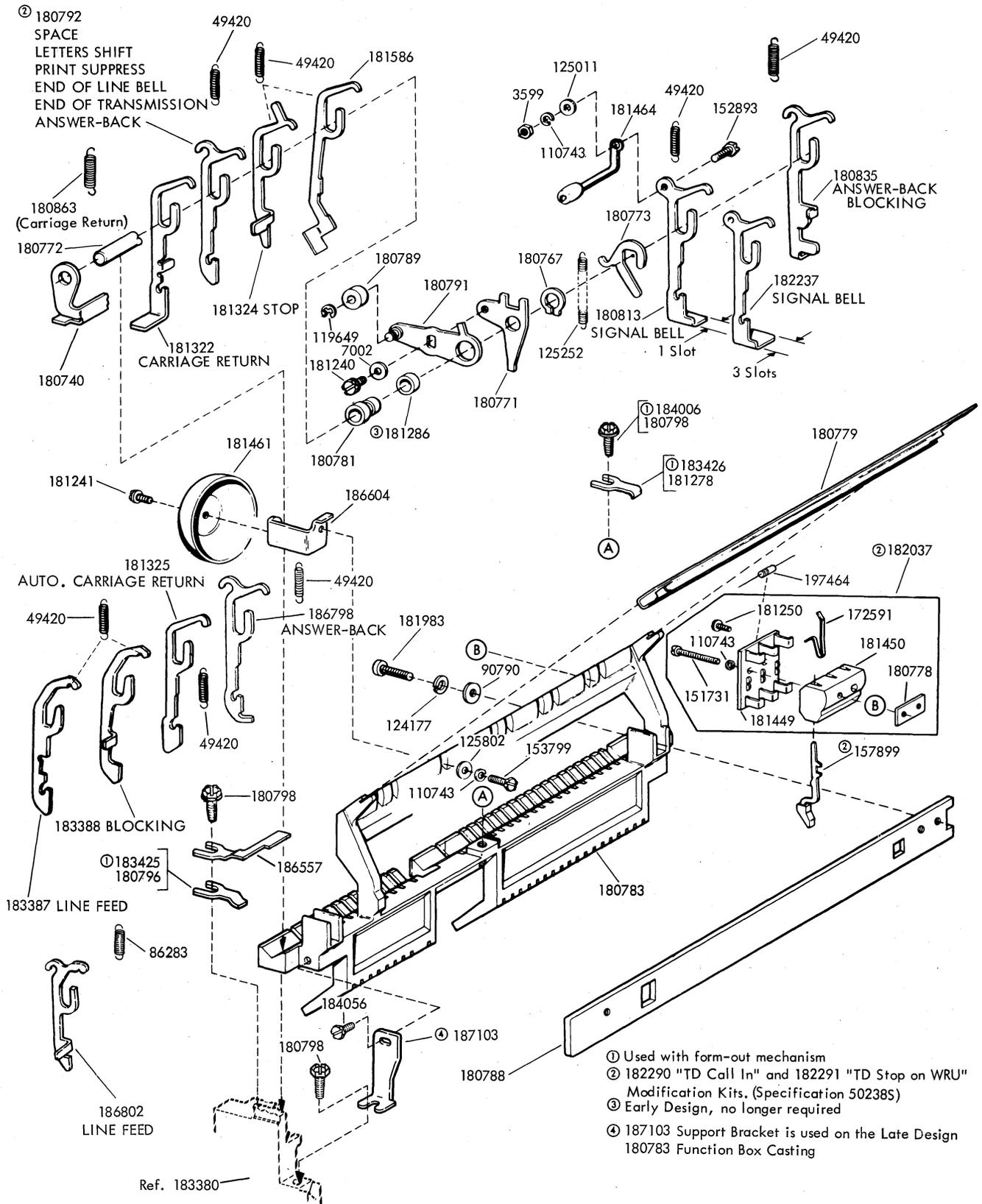


FIGURE 15. FUNCTION BOX MECHANISM

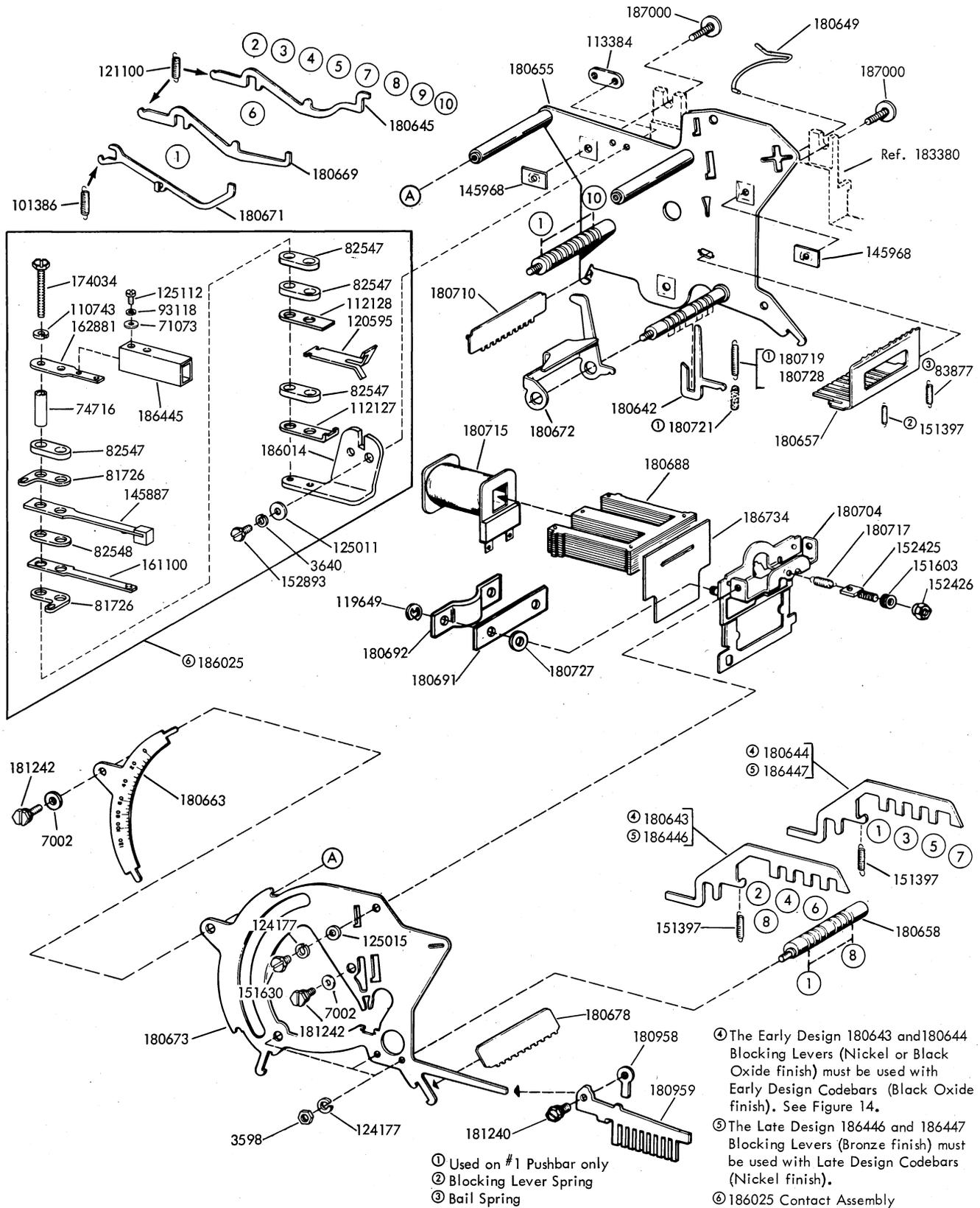


FIGURE 17. SELECTOR FRAME MECHANISM

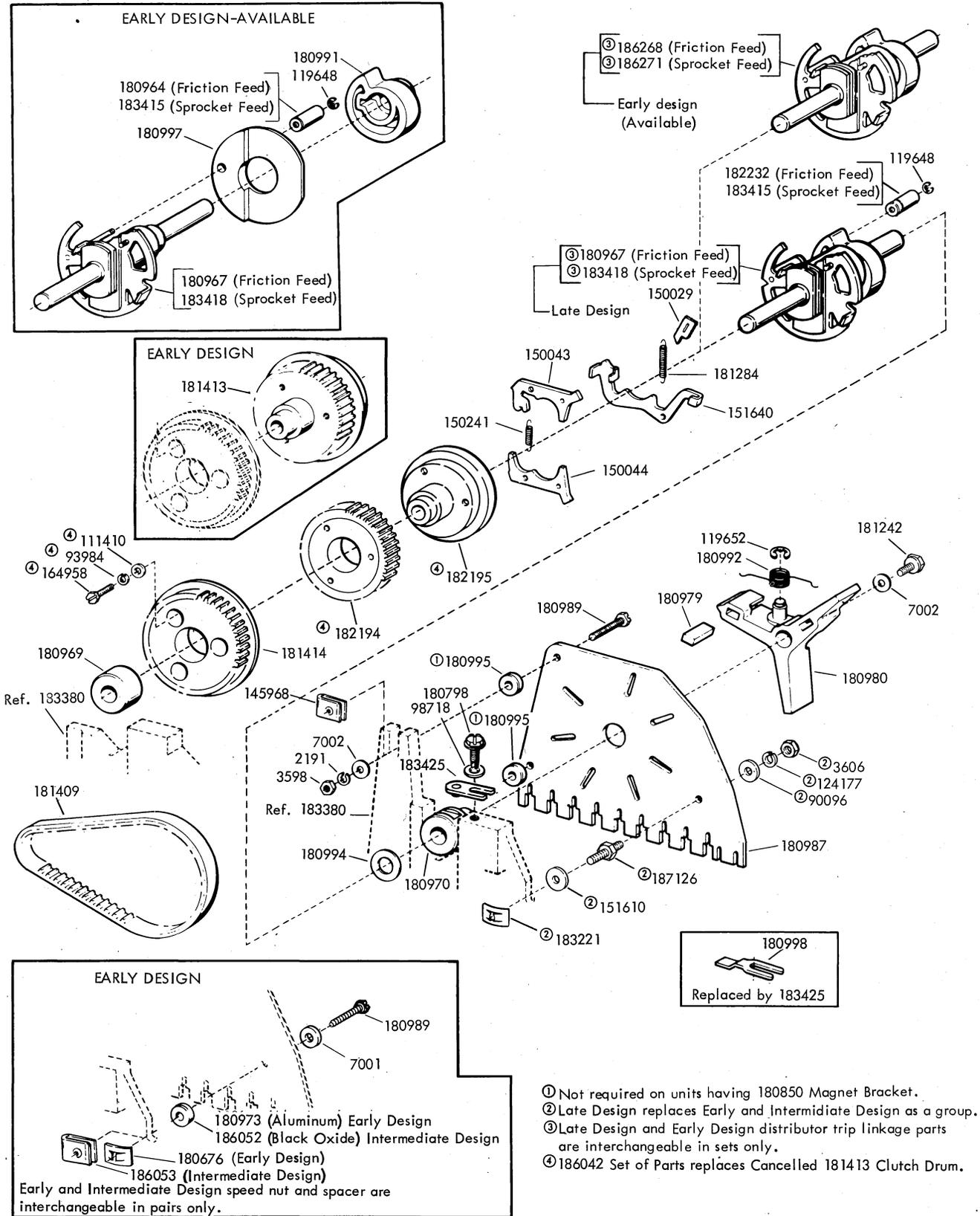
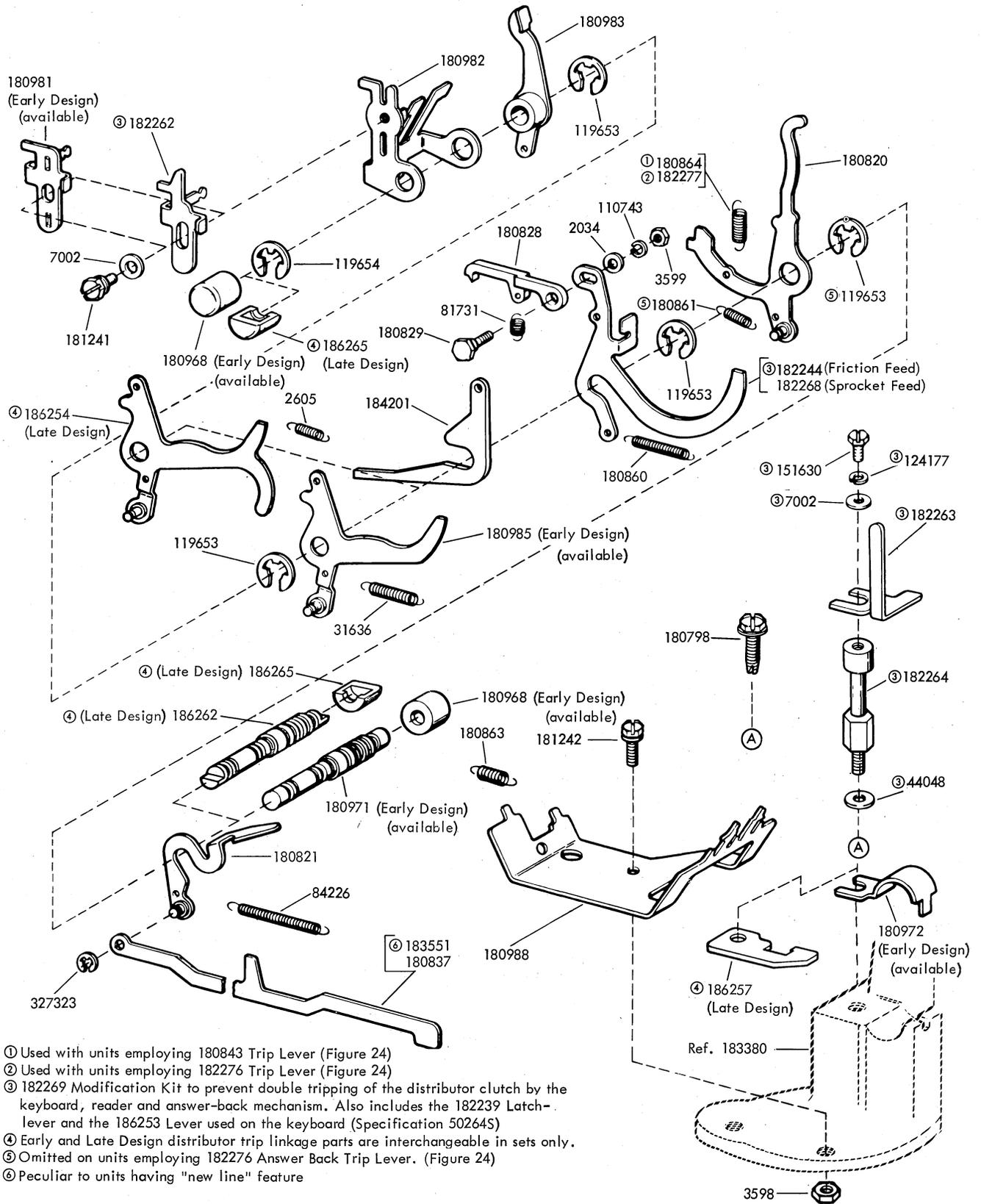


FIGURE 19. DISTRIBUTOR CLUTCH MECHANISM



- ① Used with units employing 180843 Trip Lever (Figure 24)
- ② Used with units employing 182276 Trip Lever (Figure 24)
- ③ 182269 Modification Kit to prevent double tripping of the distributor clutch by the keyboard, reader and answer-back mechanism. Also includes the 182239 Latch-lever and the 186253 Lever used on the keyboard (Specification 502645)
- ④ Early and Late Design distributor trip linkage parts are interchangeable in sets only.
- ⑤ Omitted on units employing 182276 Answer Back Trip Lever. (Figure 24)
- ⑥ Peculiar to units having "new line" feature

FIGURE 20. TRIP SHAFT MECHANISM

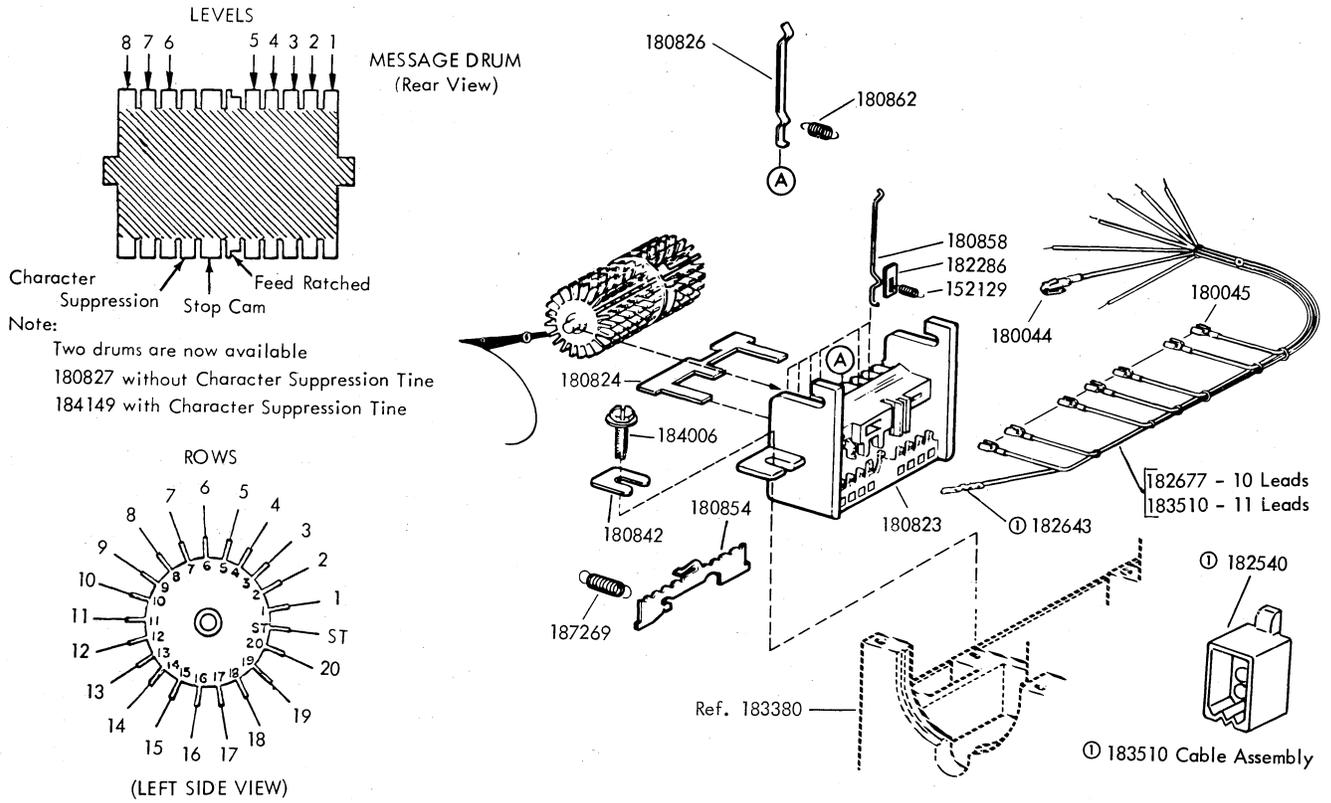


FIGURE 23. ANSWER-BACK DRUM MECHANISM

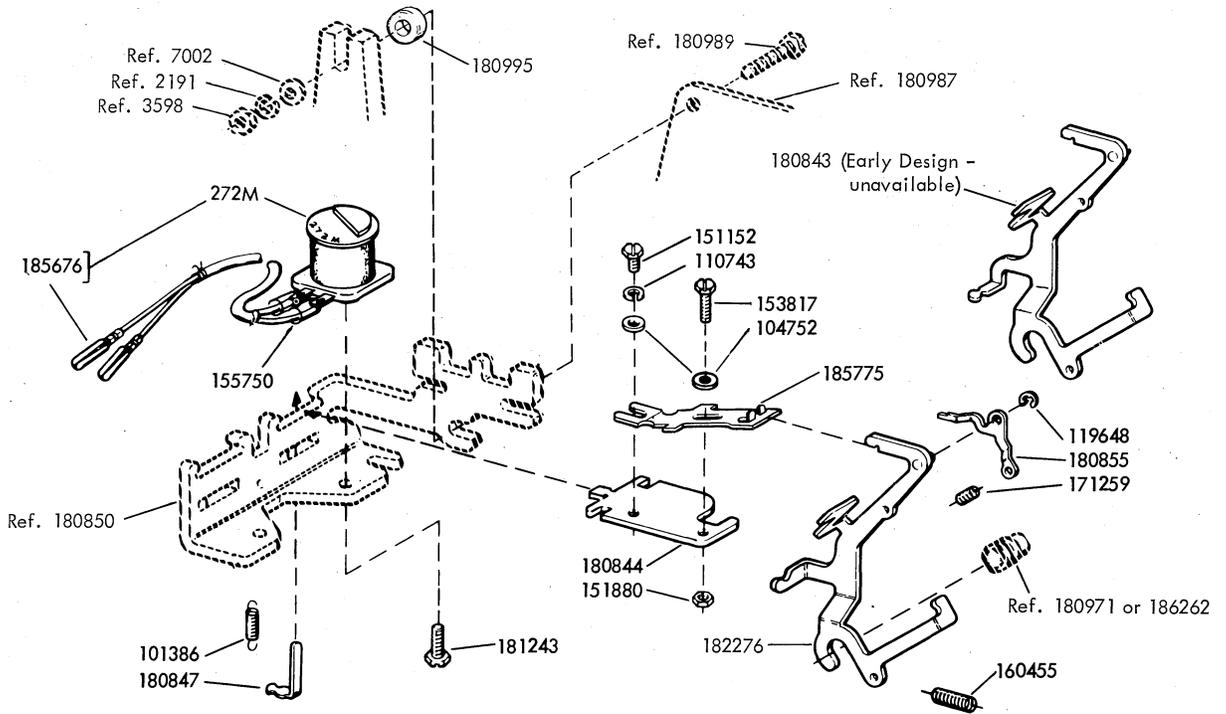
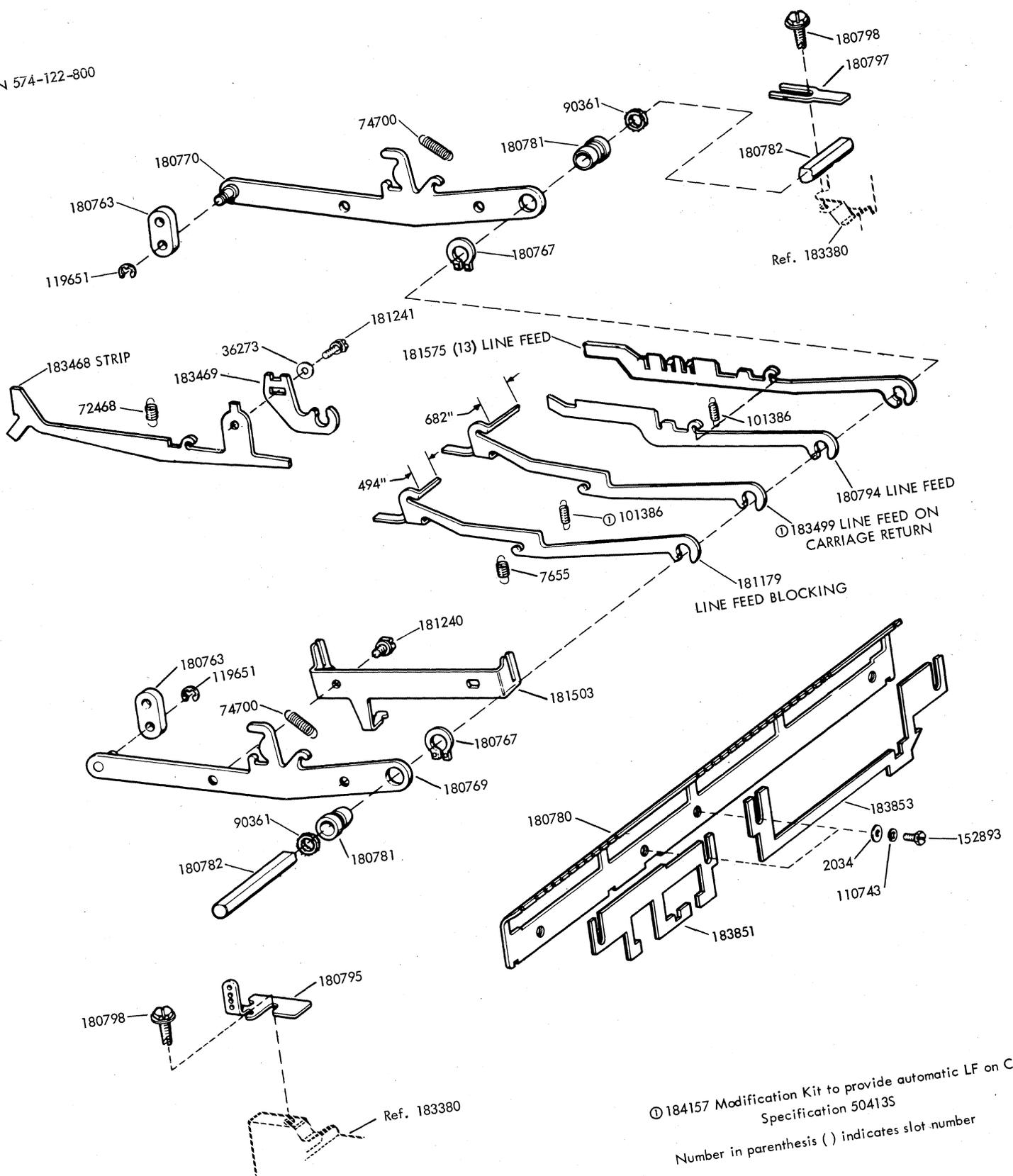
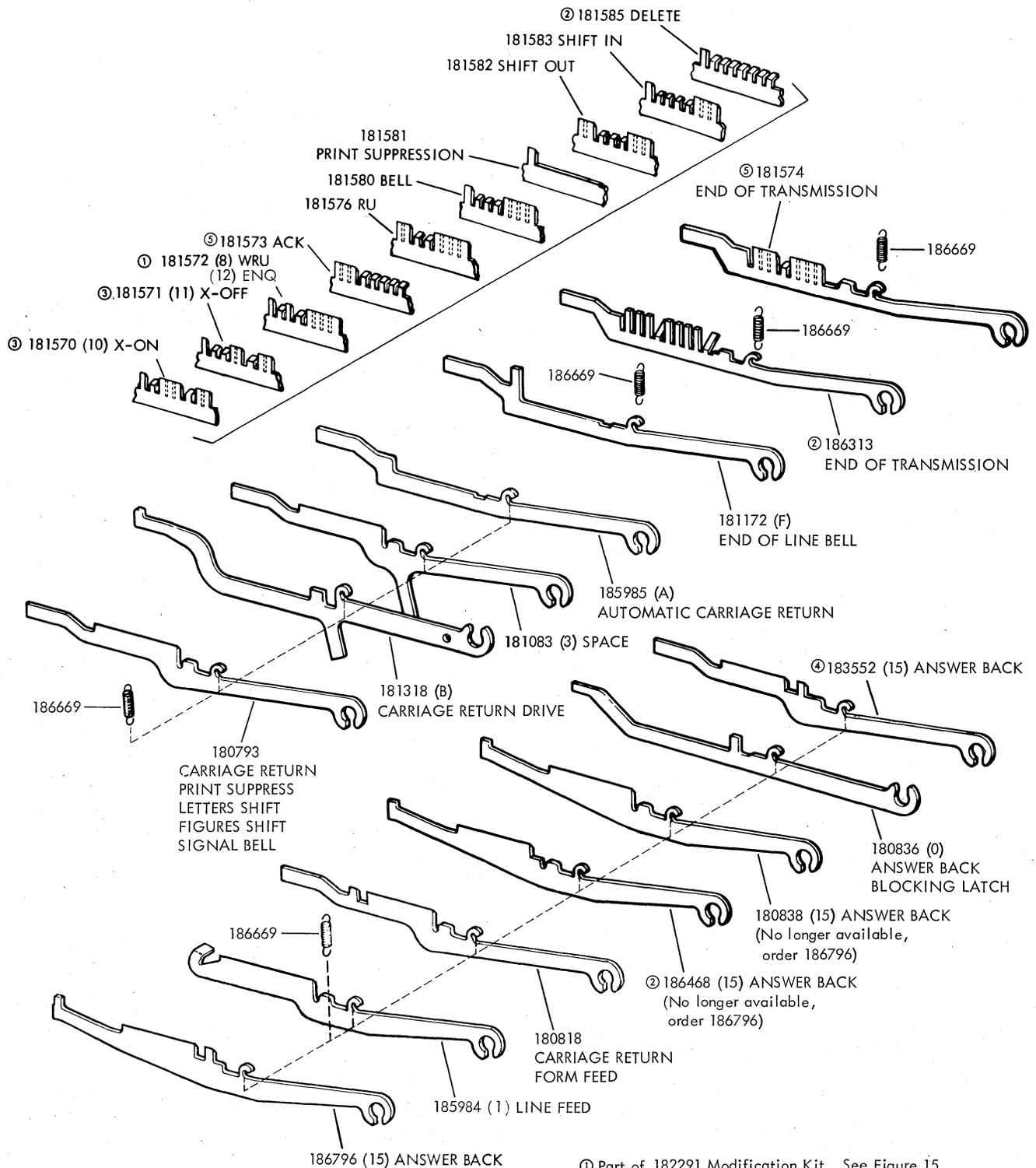


FIGURE 24. ANSWER-BACK TRIP MAGNET MECHANISM



Ⓞ 184157 Modification Kit to provide automatic LF on CR
 Specification 504135
 Number in parenthesis () indicates slot number

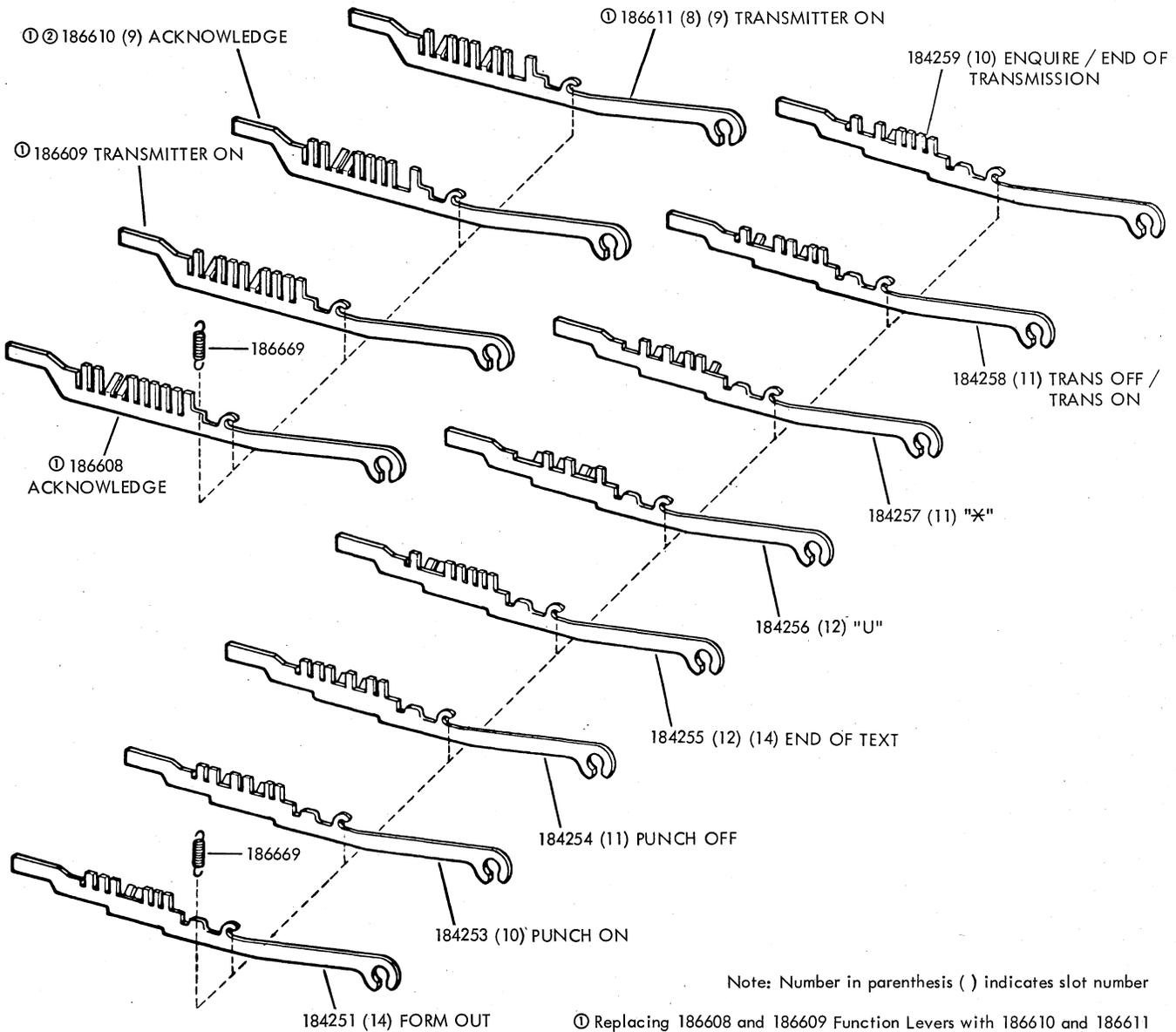
FIGURE 25. LINE FEED FUNCTION LEVER MECHANISM



- ① Part of 182291 Modification Kit See Figure 15.
- ② ASCII 1967 Code
- ③ Peculiar to units equipped with automatic reader control
- ④ Peculiar to units having two-color printing
- ⑤ ASCII 1963 Code

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

FIGURE 26. FUNCTION LEVERS



Note: Number in parenthesis () indicates slot number

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

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.

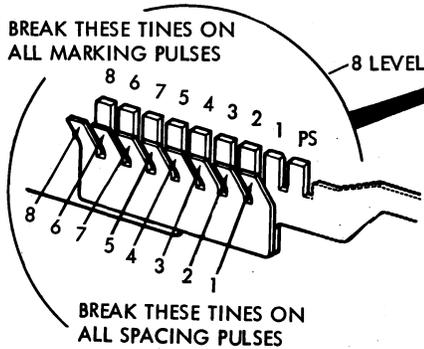


FIGURE 27. FUNCTION LEVERS (CONTINUED)

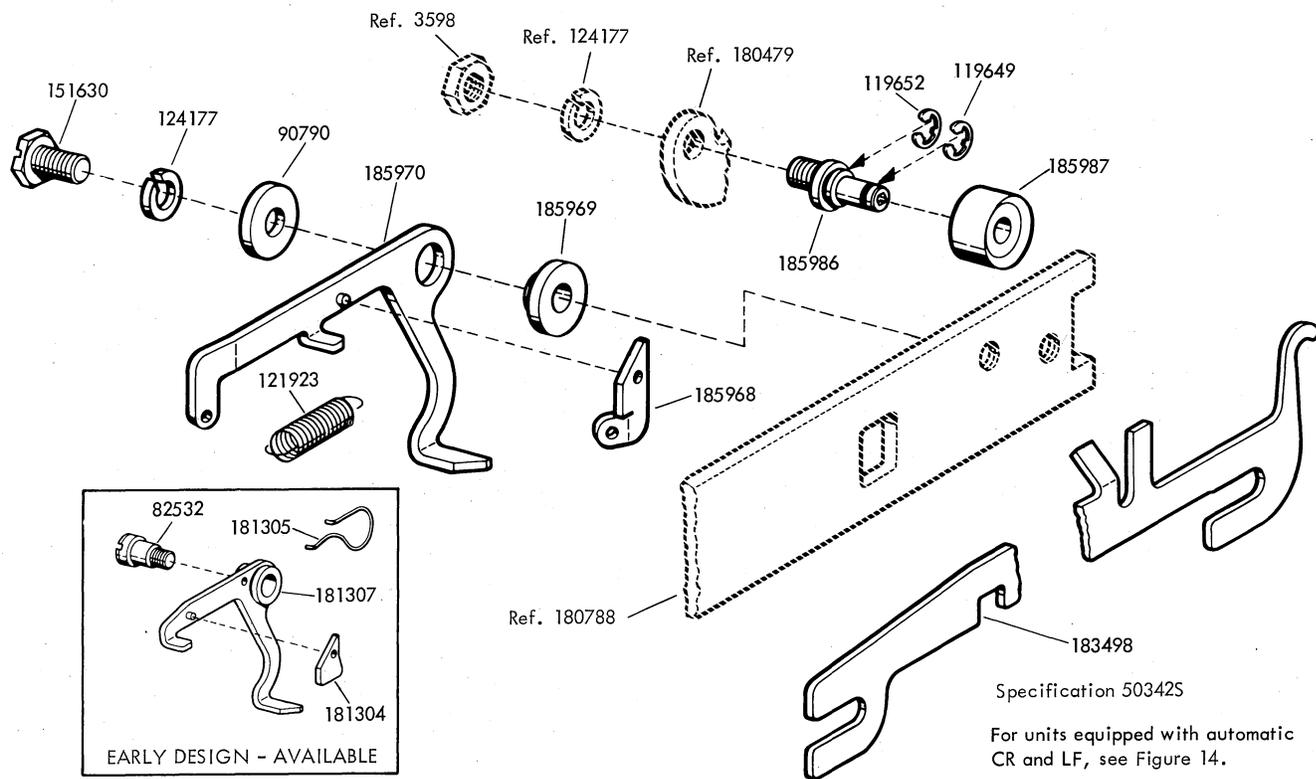


FIGURE 28. 185971 MODIFICATION KIT TO PROVIDE PRINTER WITH A MARGIN BELL TO RING ON APPROXIMATELY THE 61ST CHARACTER

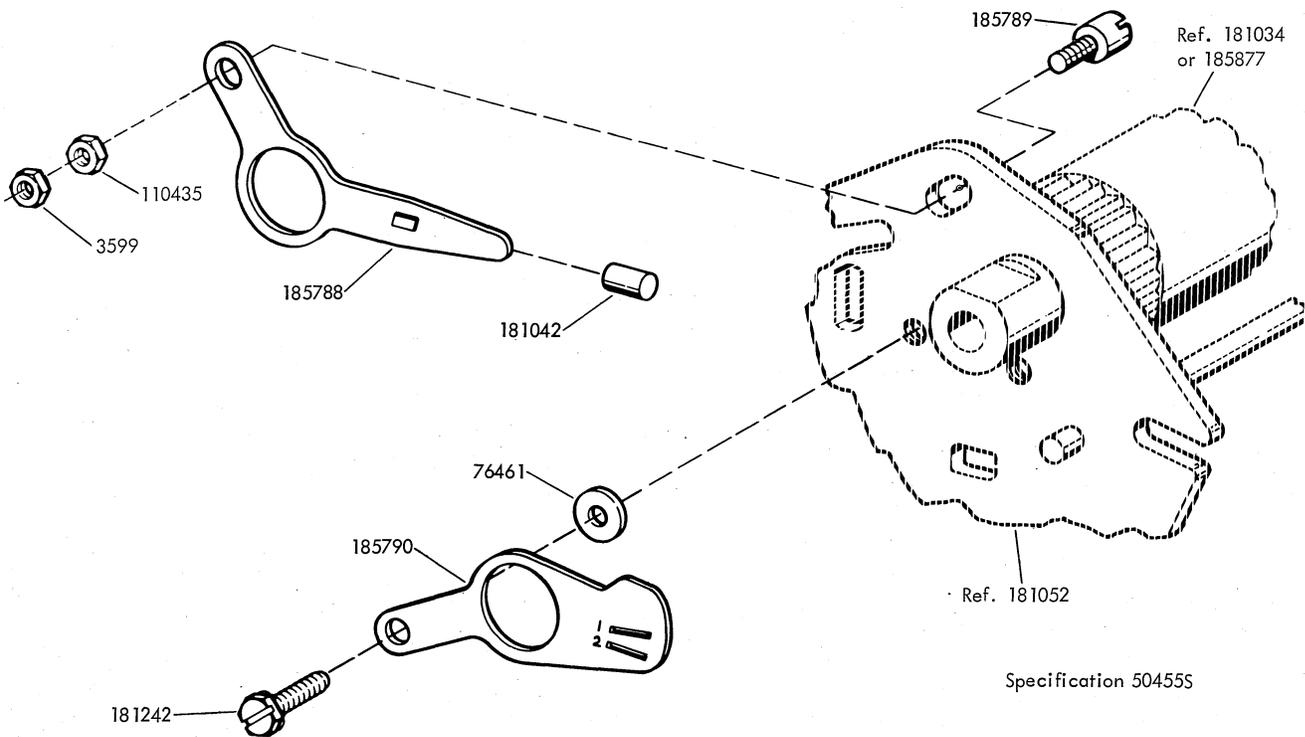
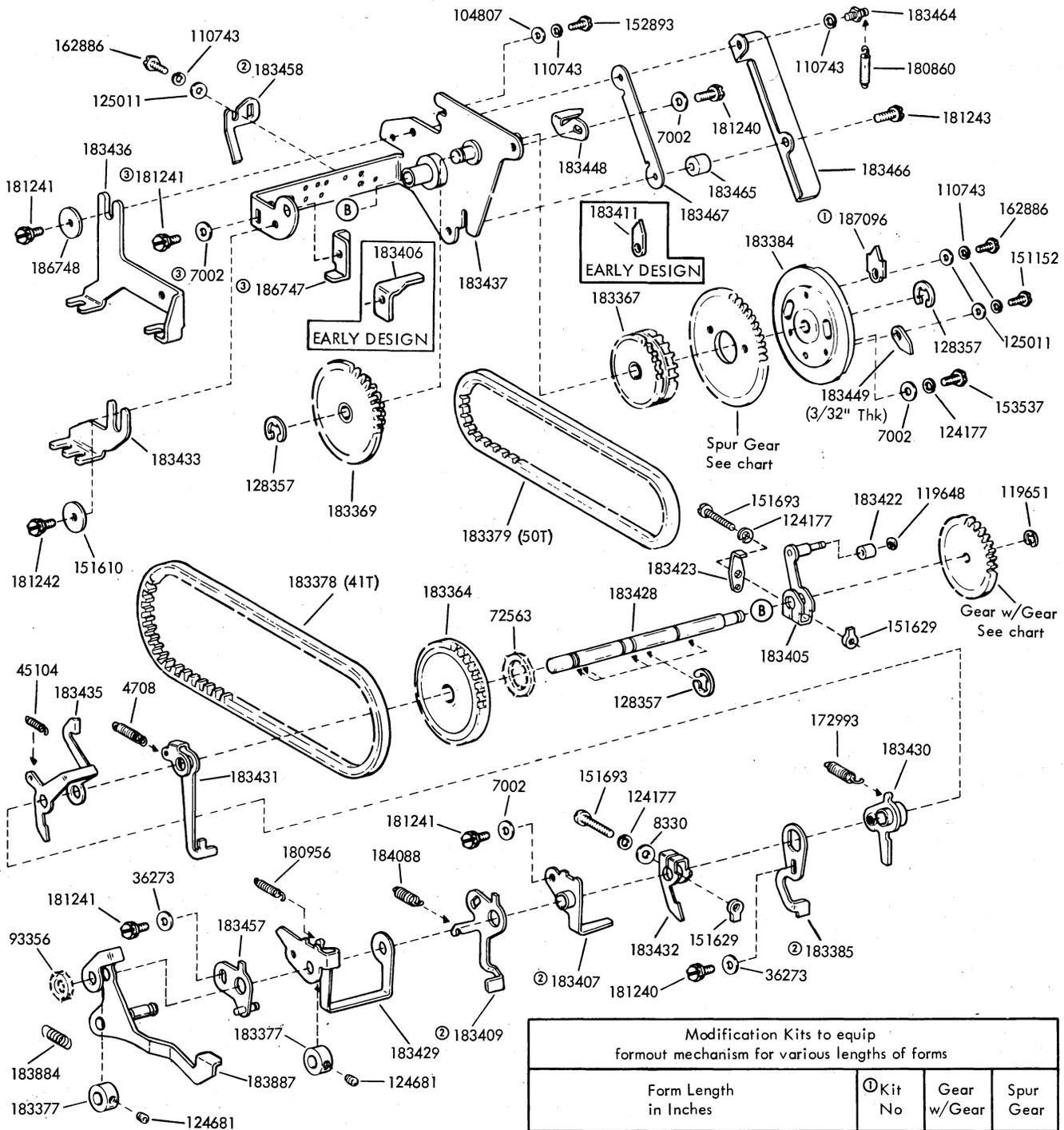


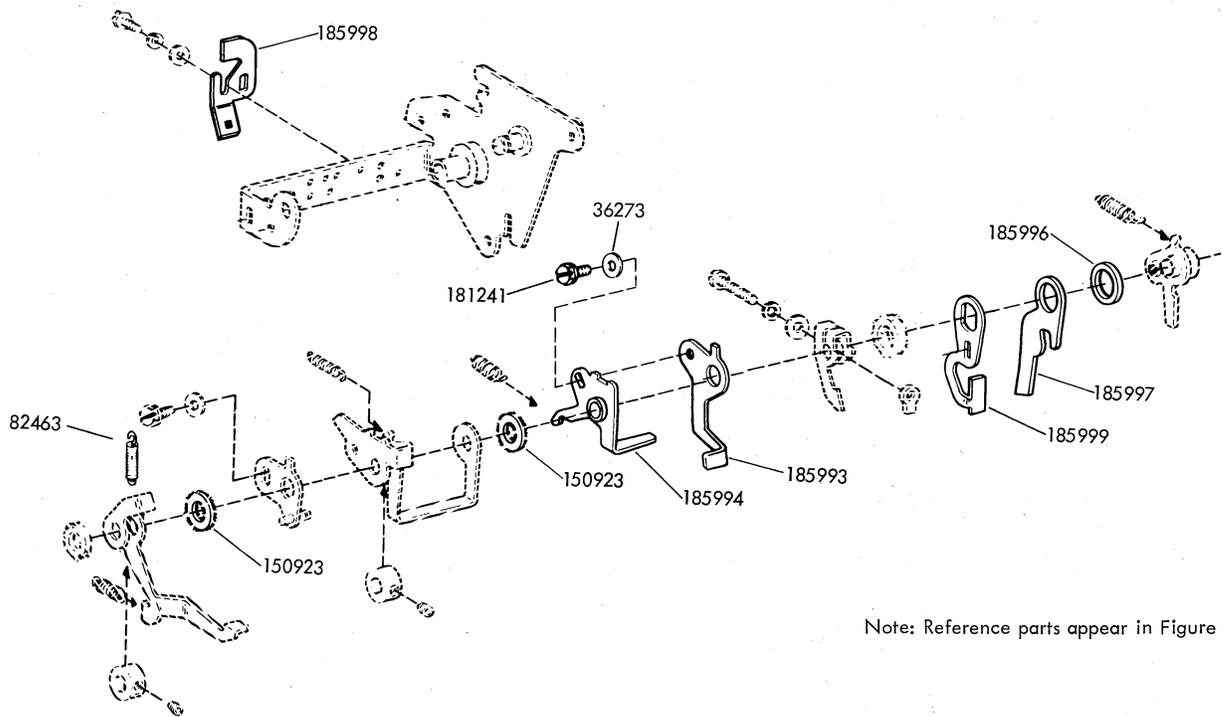
FIGURE 29. 185791 MODIFICATION KIT TO PROVIDE CONTROLLED SINGLE OR DOUBLE LINE FEED FEATURE ON FRICTION FEED PRINTER



- 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 Downstop bracket, flat washer, and mounting screw sealed in place at factory. Not for field installation.

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

FIGURE 30. FORMOUT MECHANISM - SPROCKET FEED



Note: Reference parts appear in Figure 30.

FIGURE 31. LATER DESIGN FORMOUT MECHANISM -- SPROCKET FEED

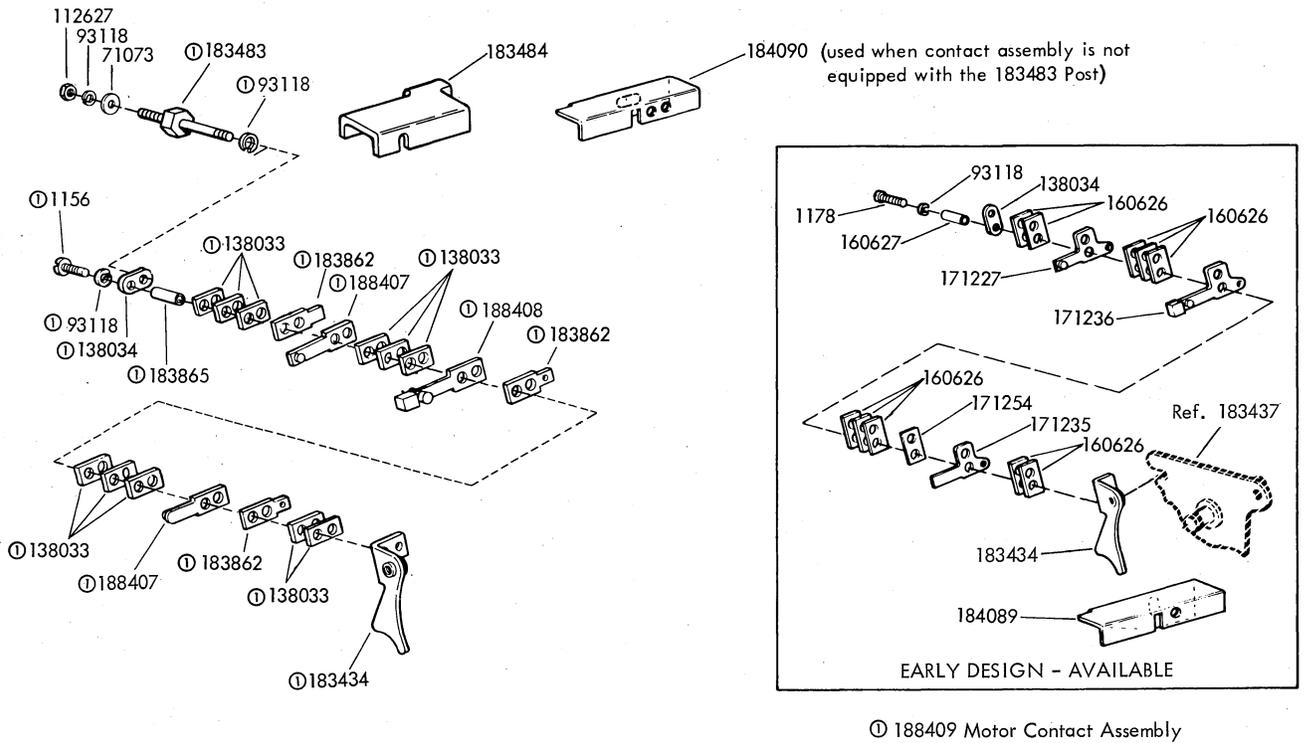


FIGURE 32. FORMOUT CONTACT - SPROCKET FEED

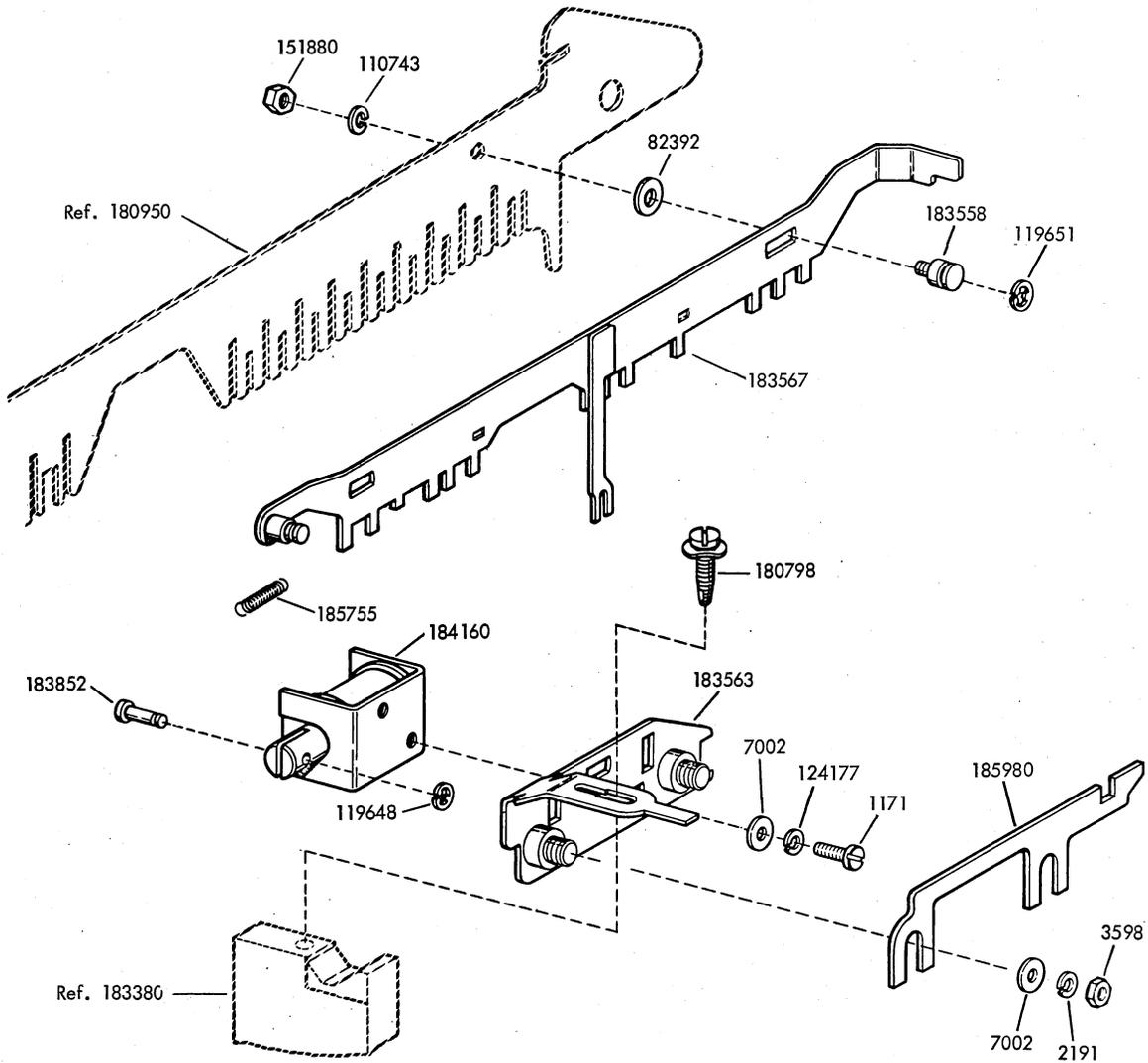
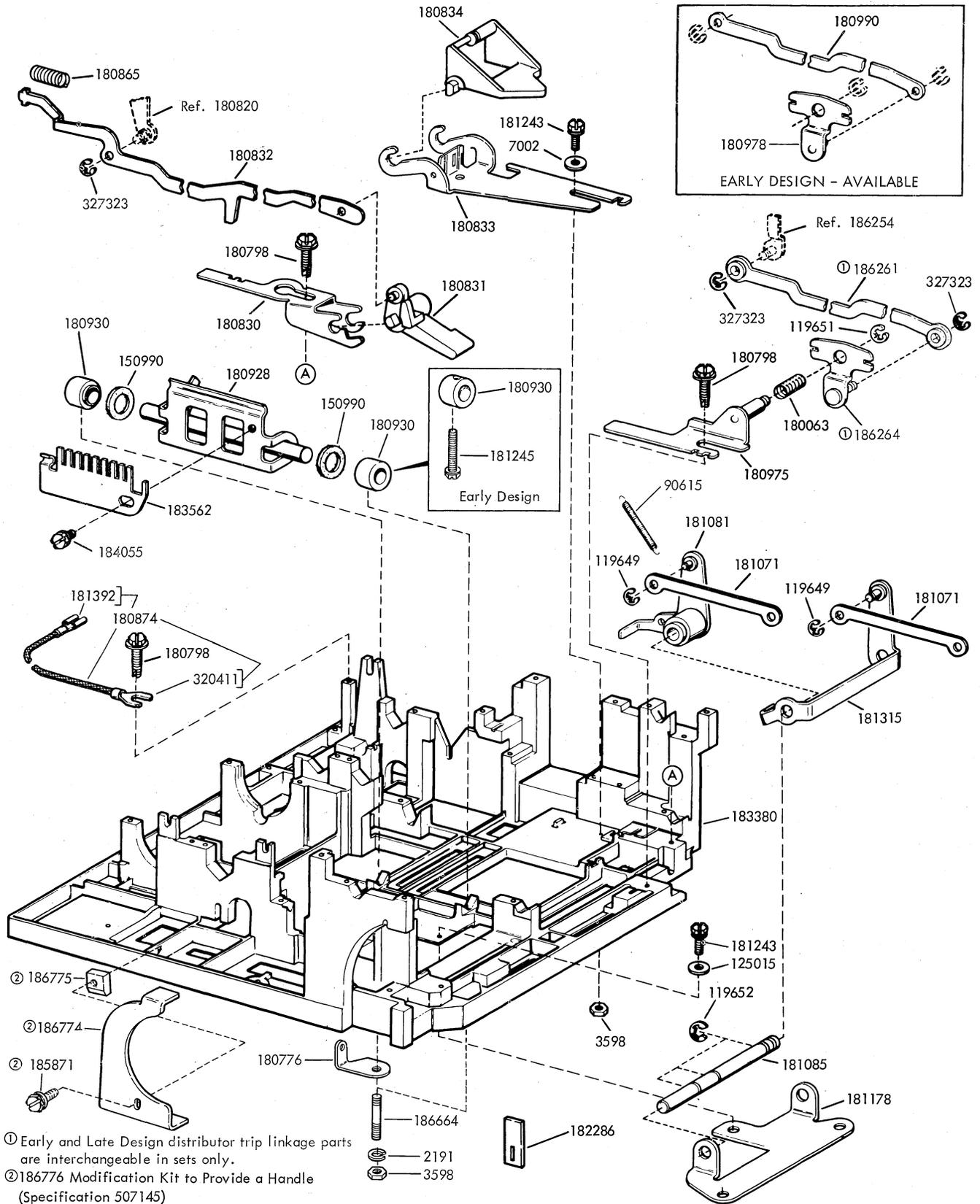


FIGURE 33. SOLENOID PRINT - NONPRINT RESET MECHANISM



① Early and Late Design distributor trip linkage parts are interchangeable in sets only.
 ② 186776 Modification Kit to Provide a Handle (Specification 507145)

FIGURE 34. BASE

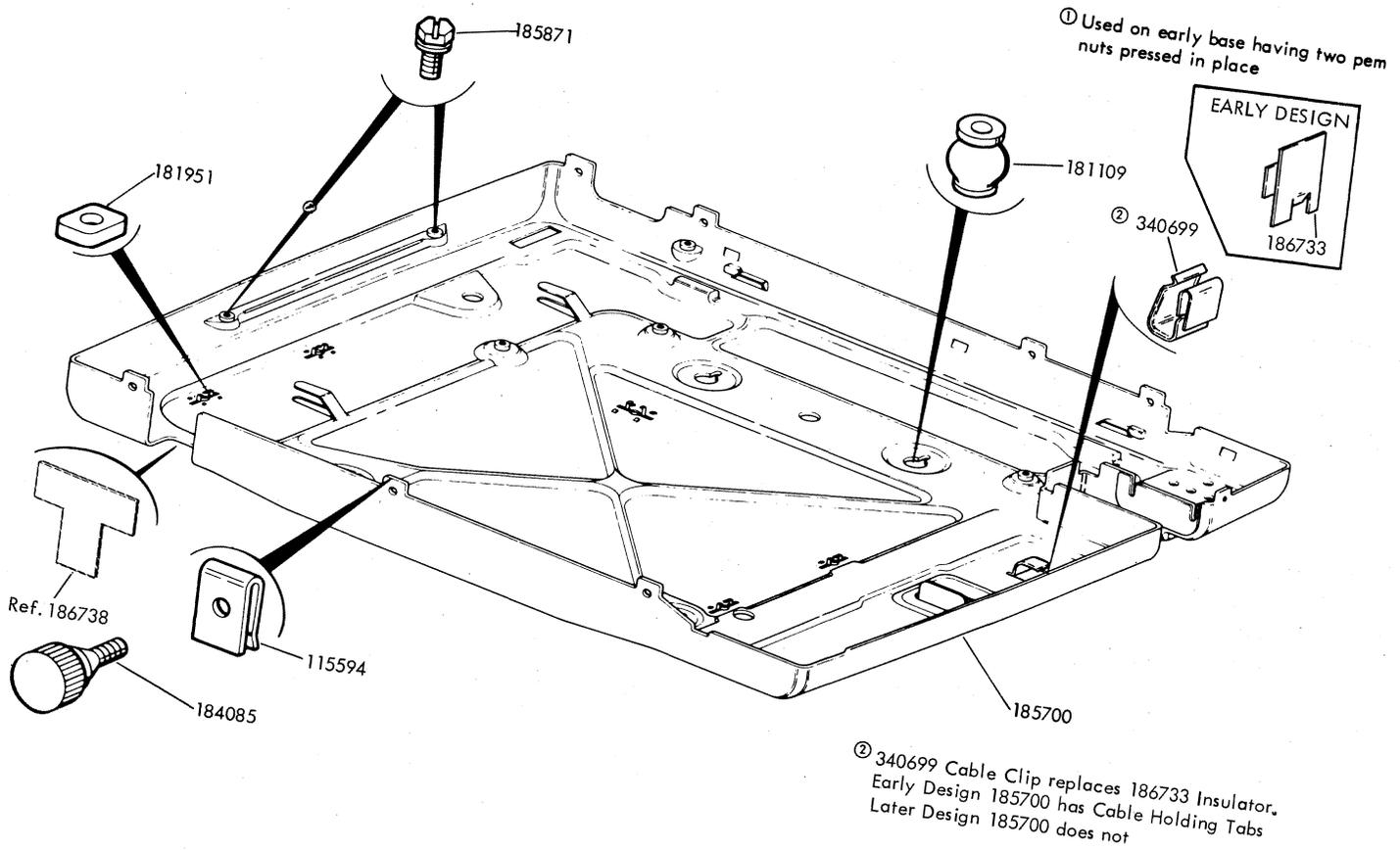
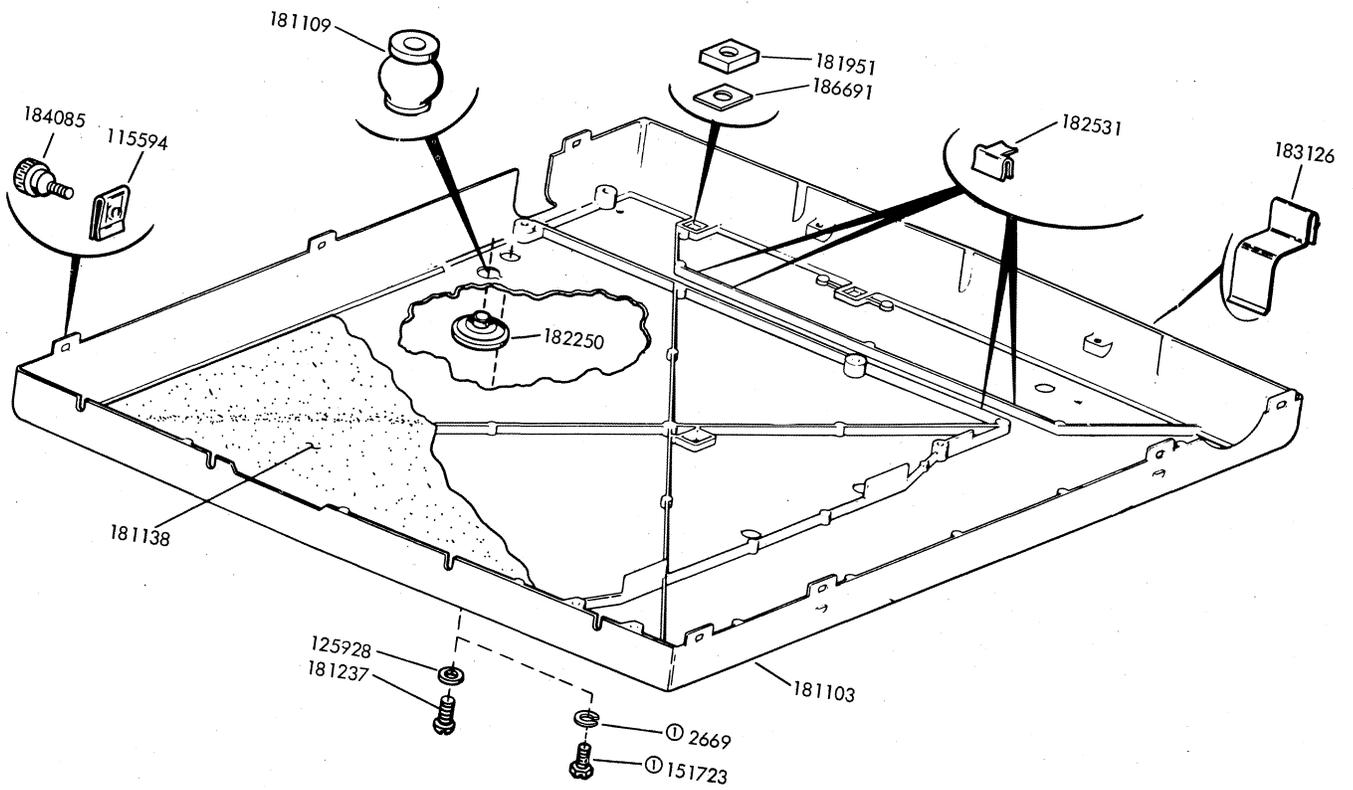
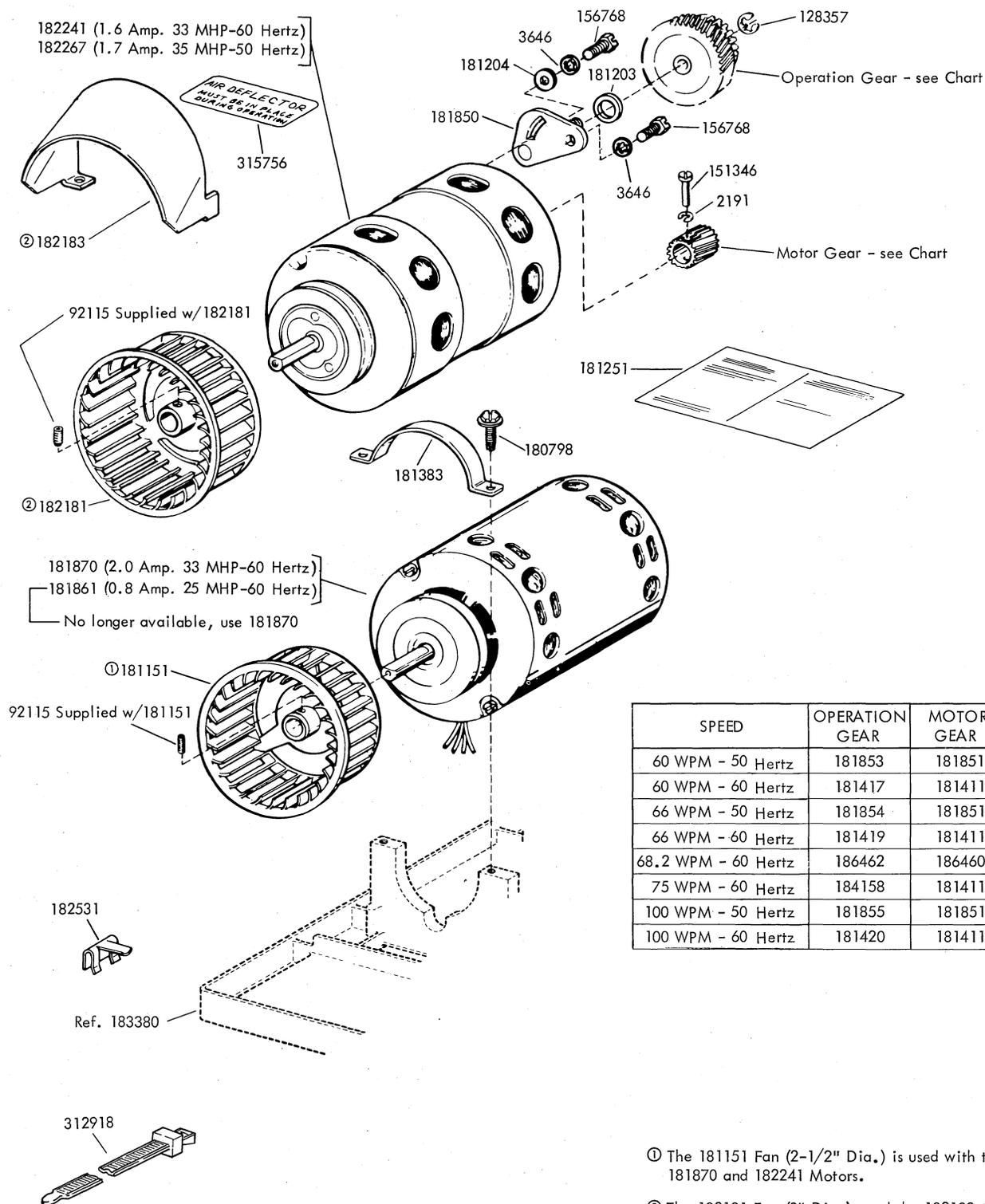


FIGURE 35. SUB BASES

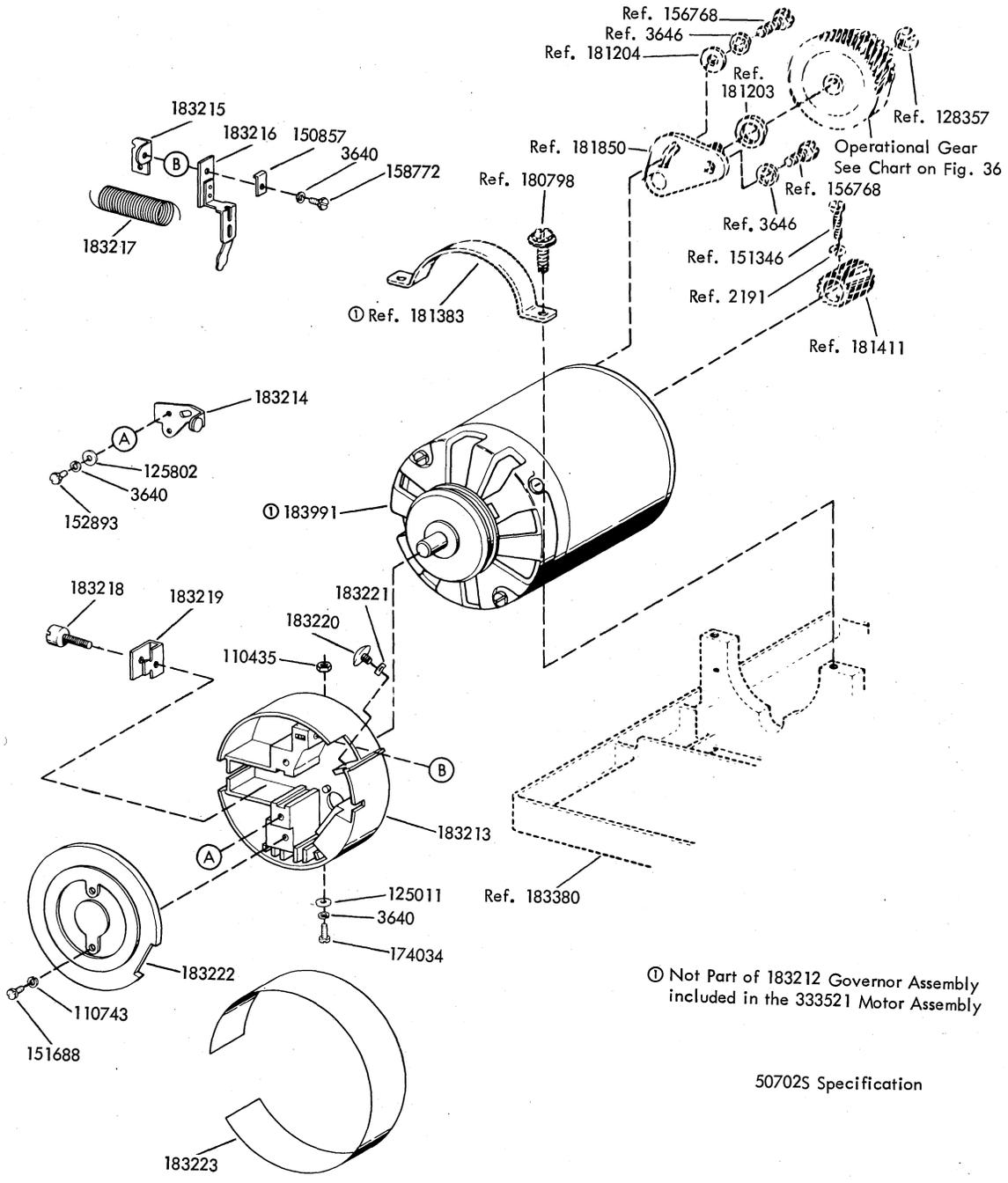


SPEED	OPERATION GEAR	MOTOR GEAR
60 WPM - 50 Hertz	181853	181851
60 WPM - 60 Hertz	181417	181411
66 WPM - 50 Hertz	181854	181851
66 WPM - 60 Hertz	181419	181411
68.2 WPM - 60 Hertz	186462	186460
75 WPM - 60 Hertz	184158	181411
100 WPM - 50 Hertz	181855	181851
100 WPM - 60 Hertz	181420	181411

① The 181151 Fan (2-1/2" Dia.) is used with the 181870 and 182241 Motors.

② The 182181 Fan (3" Dia.), and the 182183 Air Deflector are used with the 182267 Motor.

FIGURE 36. MOTORS



ⓐ Not Part of 183212 Governor Assembly
included in the 333521 Motor Assembly

50702S Specification

183212 Governor Assembly

FIGURE 37. 333521 MOTOR ASSEMBLY

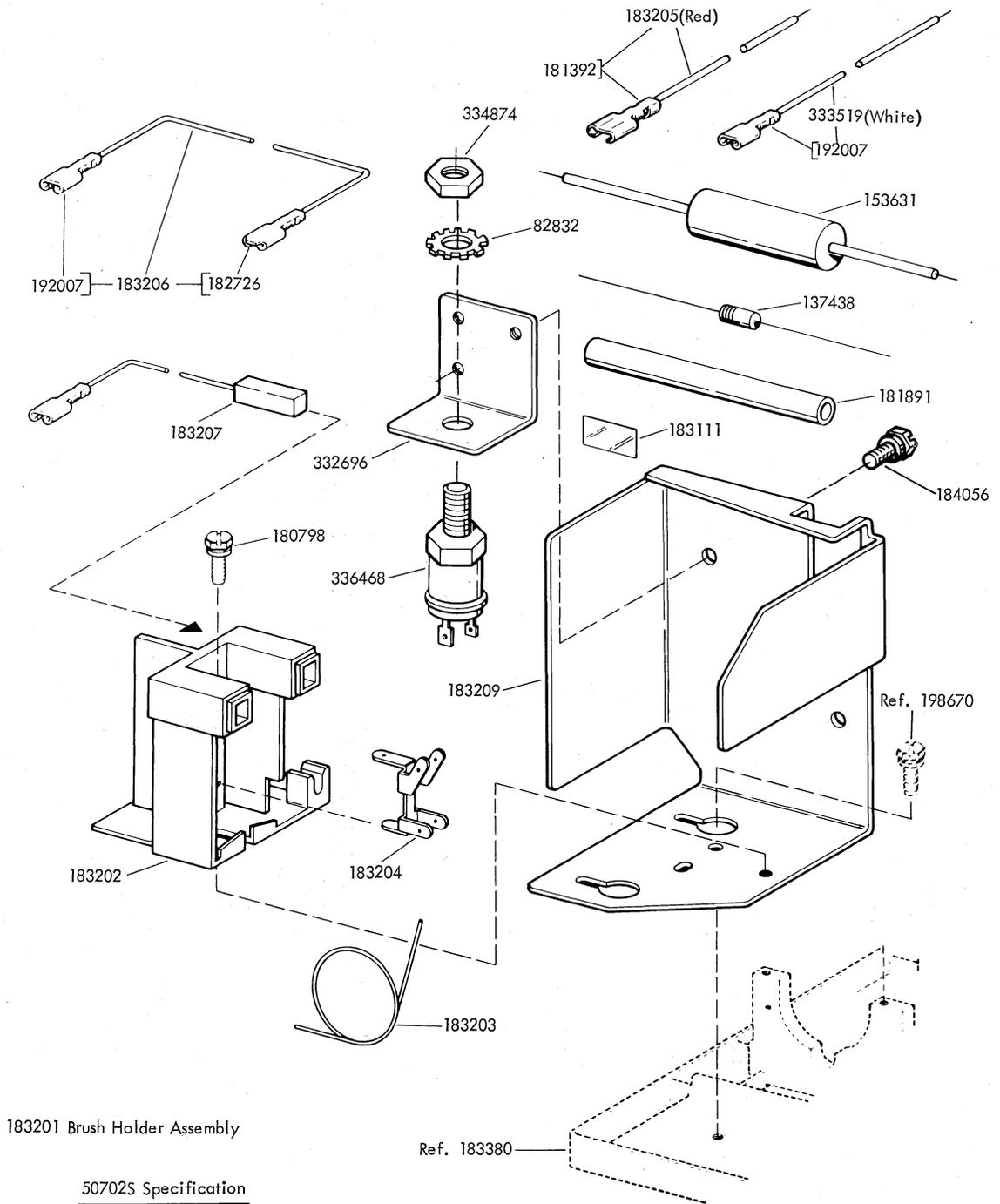


FIGURE 38. 333521 MOTOR ASSEMBLY (Continued)

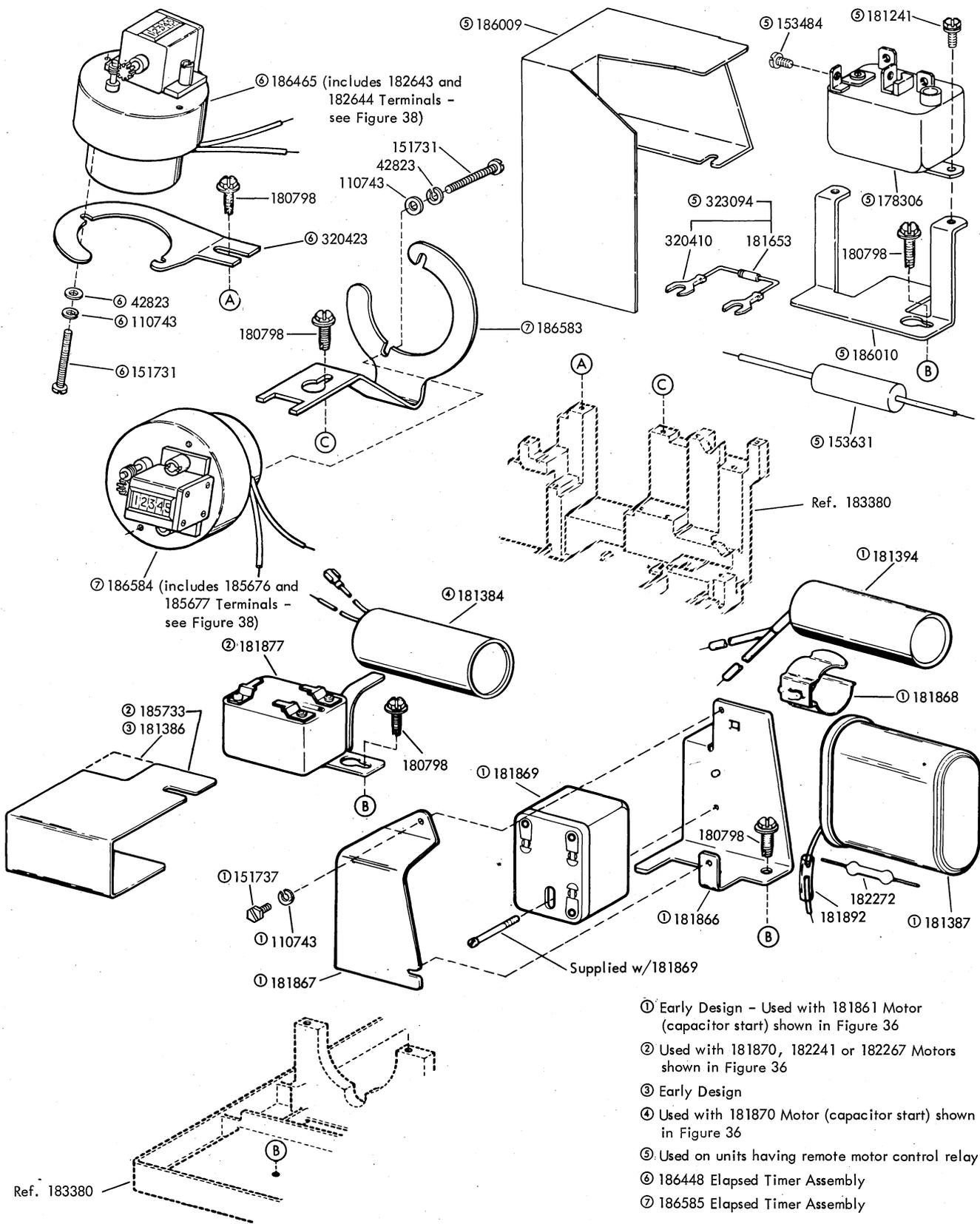


FIGURE 39. ELECTRICAL COMPONENTS

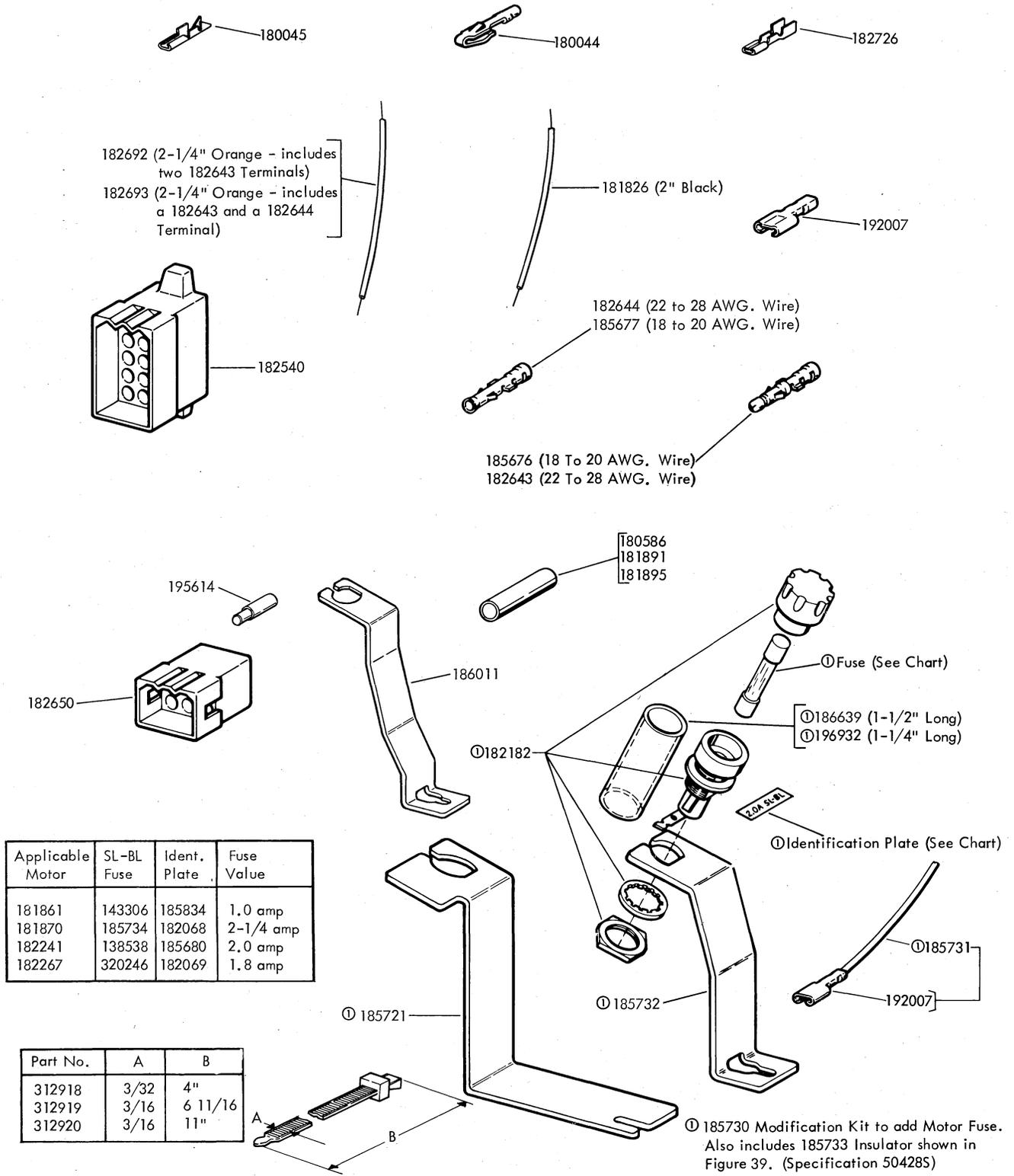


FIGURE 40. CABLE COMPONENTS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
272M	Coil, Magnet 23	70388	Spring 11	104807	Washer, Flat 7,22,28
276M	Coil, Magnet 22	71073	Washer, Flat 5,18,29	107116	Lockwasher 6
279M	Coil, Magnet 22	71681	Spool, Ribbon 6	110435	Nut, 4-40 Hex 2,27,34
295M	Coil, Magnet 22	72468	Spring 24	110743	Lockwasher 4,6,7,10,11,16,18,21,22,23,24,28,30,34,36
300M	Coil, Magnet 22	72509	Lockwasher 19	111410	Washer, Flat 10,20
1036	Nut, 6-40 Hex 2	72563	Washer, Felt 28	111640	Screw, 2-56 x 7/32 Fil 3
1156	Screw, 2-56 x 9/16 Fil 29	74547	Collar 14	112127	Hinge 18
1164	Screw, 2-56 x 3/16 Fil 5	74700	Spring 3,24	112128	Retainer 18
1171	Screw, 6-32 x 3/16 Fil 30	74701	Spring 11,13	112620	Screw, 4-40 x 1/2 Hex 17
1178	Screw, 2-25 x 7/16 Fil 5,29	74716	Bushing, Insulating 18	112626	Nut, 10-32 Hex 6
1210	Screw, 2-56 x 5/8 Fil 5	74722	Washer, Flat 4	112627	Nut, 2-56 Hex 29
2034	Washer, Flat 6,11,21,24	76422	Spring 14	112630	Spring 3
2167	Ball, Bearing 10	76461	Washer, Flat 2,22,27	112634	Spring 6
2191	Lockwasher 2,4,5,7,10 to 13,17,20,23,30,31,33,34	80273	Washer, Felt 13	113384	Plate 18
2605	Spring 21	80758	Spring 3	114107	Spring 11
2669	Lockwasher 6,32	80945	Spring 14	115594	Nut, Speed 32
3598	Nut, 6-40 Hex 2,4,6,7,9,10,11,15,17,18,19,20,21,22,23,27,30,31	81726	Terminal 18	119421	Washer, Flat 2,5
3599	Nut, 4-40 Hex 2,4,6,7,10,11,16,21,27	81731	Spring 9,21	119648	Ring, Retaining 9,11,20,23,28,30
3606	Nut, 6-40 Hex 9,20	82392	Shim, .004" Thk 30	119649	Ring, Retaining 3,4,7,9,10,11,14,16,17,18,27,31
3608	Spring 6	82463	Spring 29	119650	Ring, Retaining 3
3640	Lockwasher 18,34	82532	Screw, 6-40 Shoulder 27	119651	Ring, Retaining 2,3,4,6,7,9,11,12,13,24,28,30,31
3646	Lockwasher 2,5,33,34	82538	Screw, 6-40 x 5/16 Hex 22	119652	Ring, Retaining 4,9,11,20,27,31
3864	Spring 22	82547	Insulator, .094" Thk 18	119653	Ring, Retaining 6,21
4703	Spring 11	82548	Insulator, .062" Thk 18	119654	Ring, Retaining 6,21
4708	Spring 28	82832	Lockwasher 35	120595	Follower, Cam 18
5599	Nut, 8-32 Hex 22	83877	Spring 11,18	121018	Nut, 4-40 Hex 10
7001	Washer, Flat 20	84226	Spring 3,21	121100	Spring 18
7002	Washer, Flat 2,3,4,5,6,7,9,10,11,14,16,18,19,20,21,23,28,30,31	84575	Spring 3,9,11,15	121630	Washer, Flat 22
7655	Spring 24	86283	Spring 16	121923	Spring 27
8330	Washer, Flat 14,28	87398	Washer, Flat 4	124177	Lockwasher 2,3,4,5,7,9,10,11,15,16,17,18,19,20,21,22,27,28,30
31636	Spring 5,21	90096	Washer, Insulating 20	124612	Screw, 8-32 x 1/2 Hex 2
33765	Washer, Flat 3	90361	Washer, Felt 24	124681	Setscrew, 6-40 6,13,14,17,28
36273	Washer, Flat 13,24,28,29	90432	Washer, Flat 11	125011	Washer, Flat 16,18,28,34
36351	Spring 15	90615	Spring 3,31	125015	Washer, Flat 15,17,18,19,31
36463	Spring 22	90790	Washer, Flat 11,16,17,27	125112	Screw, 2-56 x 1/8 Fil 18
41732	Plate, Clamp 22	91120	Spring 3	125181	Screw, 2-56 x 3/8 Fil 17
42661	Spring 11	92115	Setscrew, 8-32 33	125252	Spring 16
42823	Washer, Flat 36	92260	Lockwasher 12,13	125802	Washer, Flat 16,34
44048	Washer, Flat 3,17,21	92527	Lockwasher 22	125928	Washer, Flat 32
45027	Spring 9	93117	Lockwasher 3,5,17	128357	Ring, Retaining 22,28,33,34
45104	Spring 28	93118	Lockwasher 5,18,29		
49054	Screw, 2-56 x 3/16 Flat 6	93356	Washer, Felt 28		
49420	Spring 16	93984	Lockwasher 20		
		93985	Lockwasher 2,3,5,17		
		98718	Washer, Flat 20		
		100759	Screw, 4-40 x 3/16 Flat 12		
		101386	Spring, 4,18,22,23,24		
		104752	Washer, Flat 22,23		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
137438	Resistor, 100 Ohm 35	151880	Nut, 4-40 Hex 10,22,23, 30	172591	Spring, Contact Arm 16
138033	Insulator, .031" Thk 5, 29	152129	Spring 23	172993	Spring 28
138034	Plate, Clamp 5,29	152425	Post, Spring 18	173807	Setscrew 6-40 4
138538	Fuse 37	152426	Nut, 6-40 Self-Locking 18	174034	Screw, 4-40 x 13/16 Hex 18,34
139787	Plate, Clamp 5	152441	Washer, Flat 4,11	177219	Post 5
143306	Fuse 37	152890	Washer, Flat 22	178306	Relay, Power 36
145887	Spring, Contact 18	152893	Screw, 4-40 x 1/4 Hex 7, 16,18,22,24,28,34	179145	Bushing, Insulating 22
145968	Nut, no. 6 Speed 18,20	153267	Washer, Felt 6	180044	Terminal, Tab Type 23,37
150026	Lever, Shoe Release 12,13	153484	Screw, 6-32 Spl 36	180045	Terminal, Tab Type 23,37
150029	Wick, Felt 12,13,19,20	153537	Screw, 6-40 x 9/32 Hex 28	180063	Spring, Compression 31
150040	Screw, 6-40 x 5/8 Fil 14, 19	153631	Network, Spark Suppression 35,36	180463	Post, Bail Pivot 11
150043	Shoe, Secondary Clutch 12,13,19,20	153799	Screw, 4-40 x 21/64 Hex 6,16	180464	Pulley, Carriage Return Spring 11
150044	Shoe, Primary Clutch 12,13,19,20	153817	Screw, 4-40 x 3/8 Hex 4,6,22,23	180466	Ring, Retaining 10
150241	Spring 12,13,19,20	153839	Screw, 6-40 x 5/8 Hex 12, 13	180467	Bearing, Ball 10
150830	Bushing, Shoulder 13	155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 22,23	180468	Bearing, Ball 10
150857	Clamp 34	156169	Washer, Felt 22	180469	Link 9,10
150841	Bearing 13	156509	Washer, Flat 11	180470	Roller 9
150923	Washer, Felt 29	156536	Screw, 4-40 x 1/8 Fil 10	180471	Block 10
150930	Washer, Felt 12,13,17	156558	Washer, Felt 11	180473	Shaft 10
150990	Washer, Felt 31	156572	Washer, Felt 10	180474	Stud 10
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