

33 TYPING UNIT (UP)

PARTS

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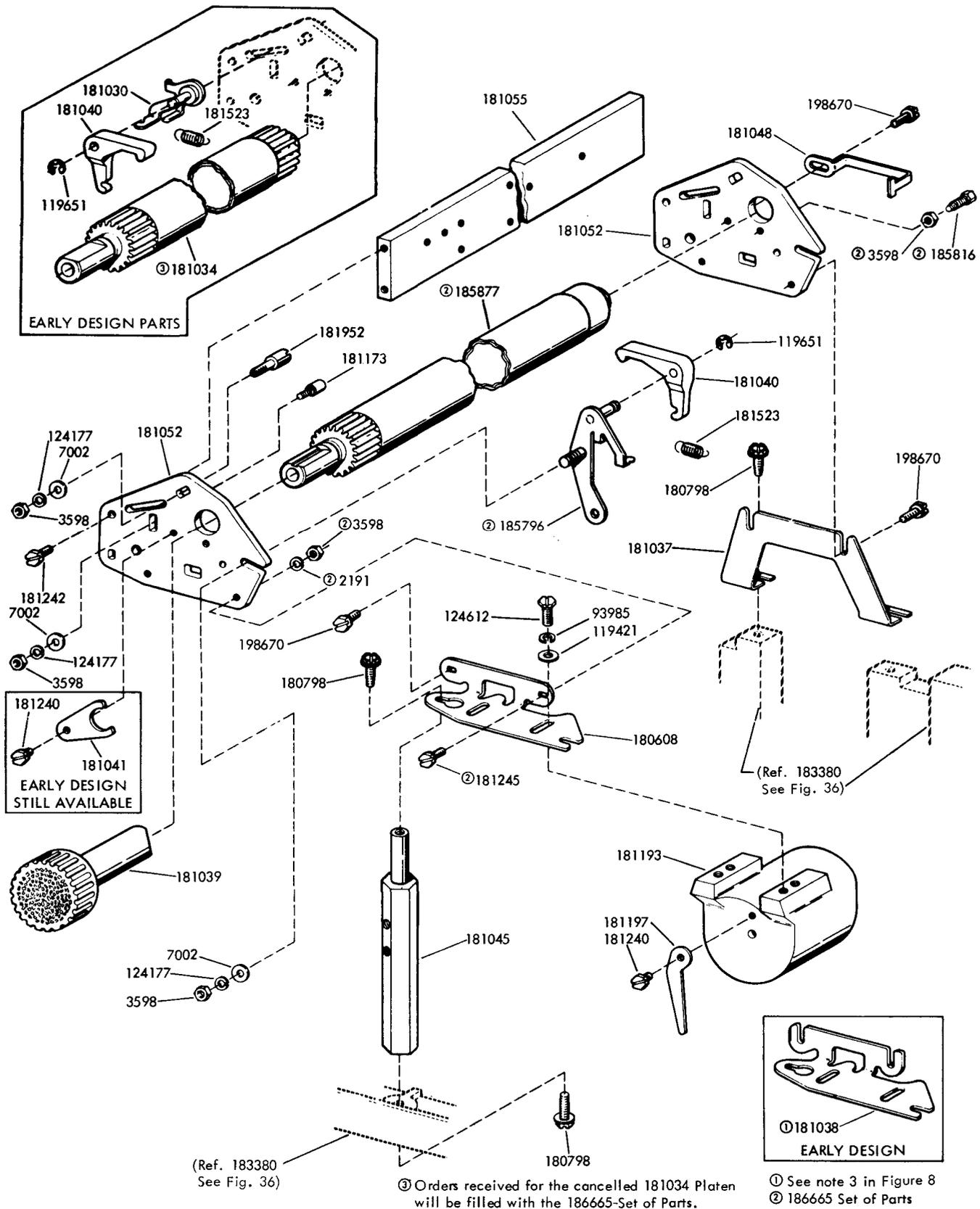


FIGURE 1. PLATEN MECHANISM - FRICTION FEED

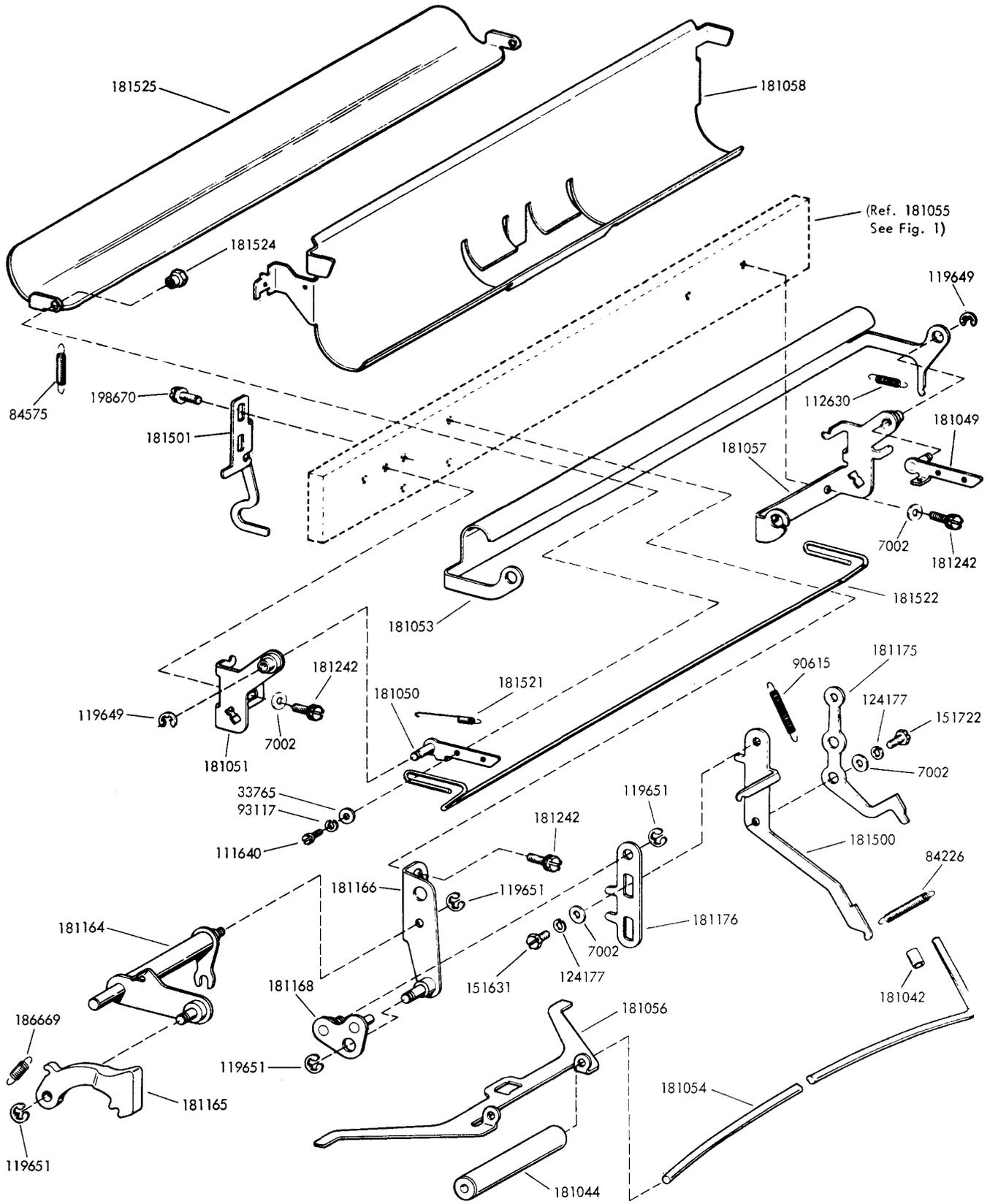


FIGURE 2. PAPER HANDLING MECHANISM - FRICTION FEED

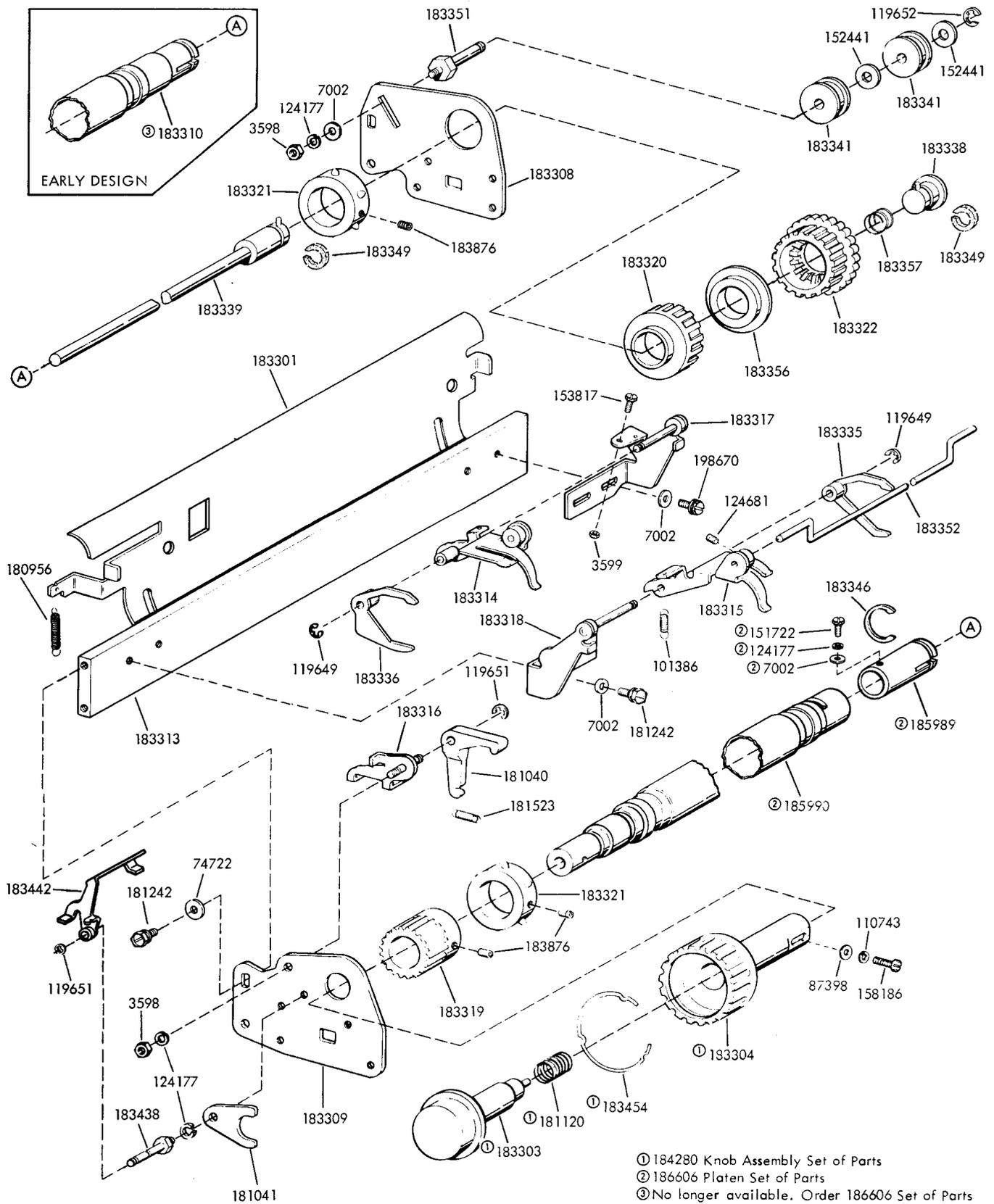


FIGURE 3. PLATEN MECHANISM - SPROCKET FEED

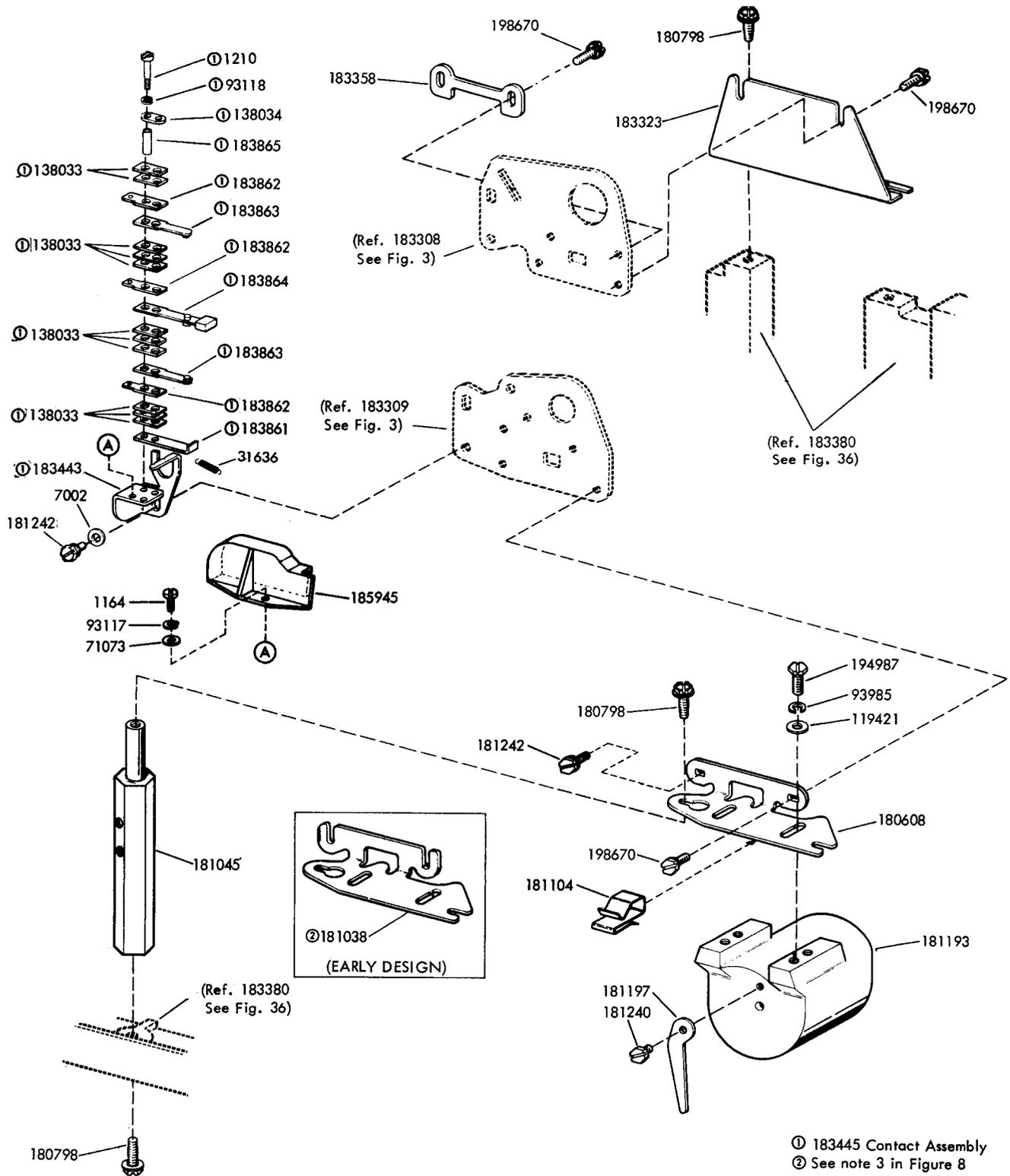


FIGURE 4. PLATEN MECHANISM - SPROCKET FEED (CONTINUED)

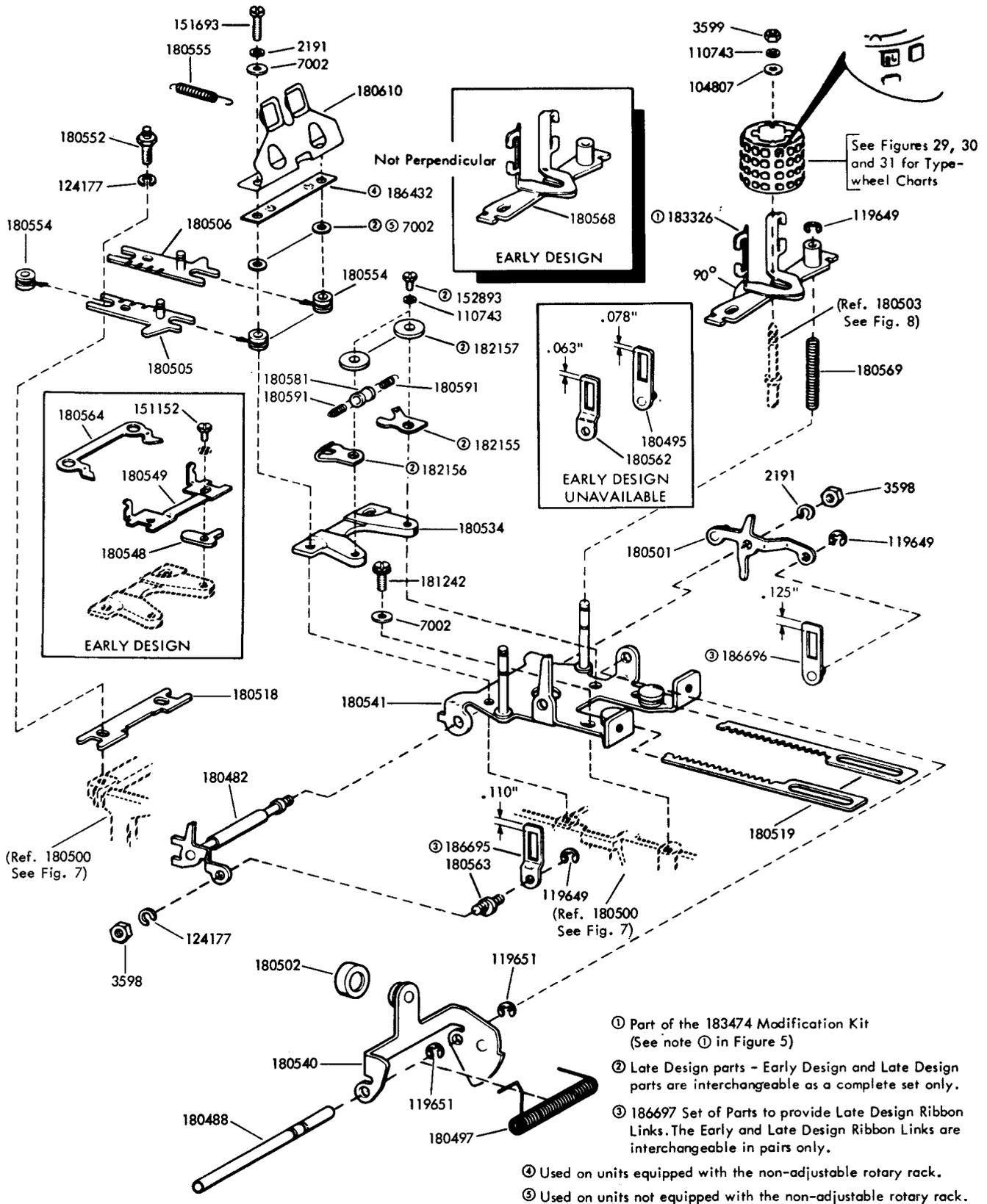


FIGURE 6. CARRIAGE UPPER PLATE MECHANISM

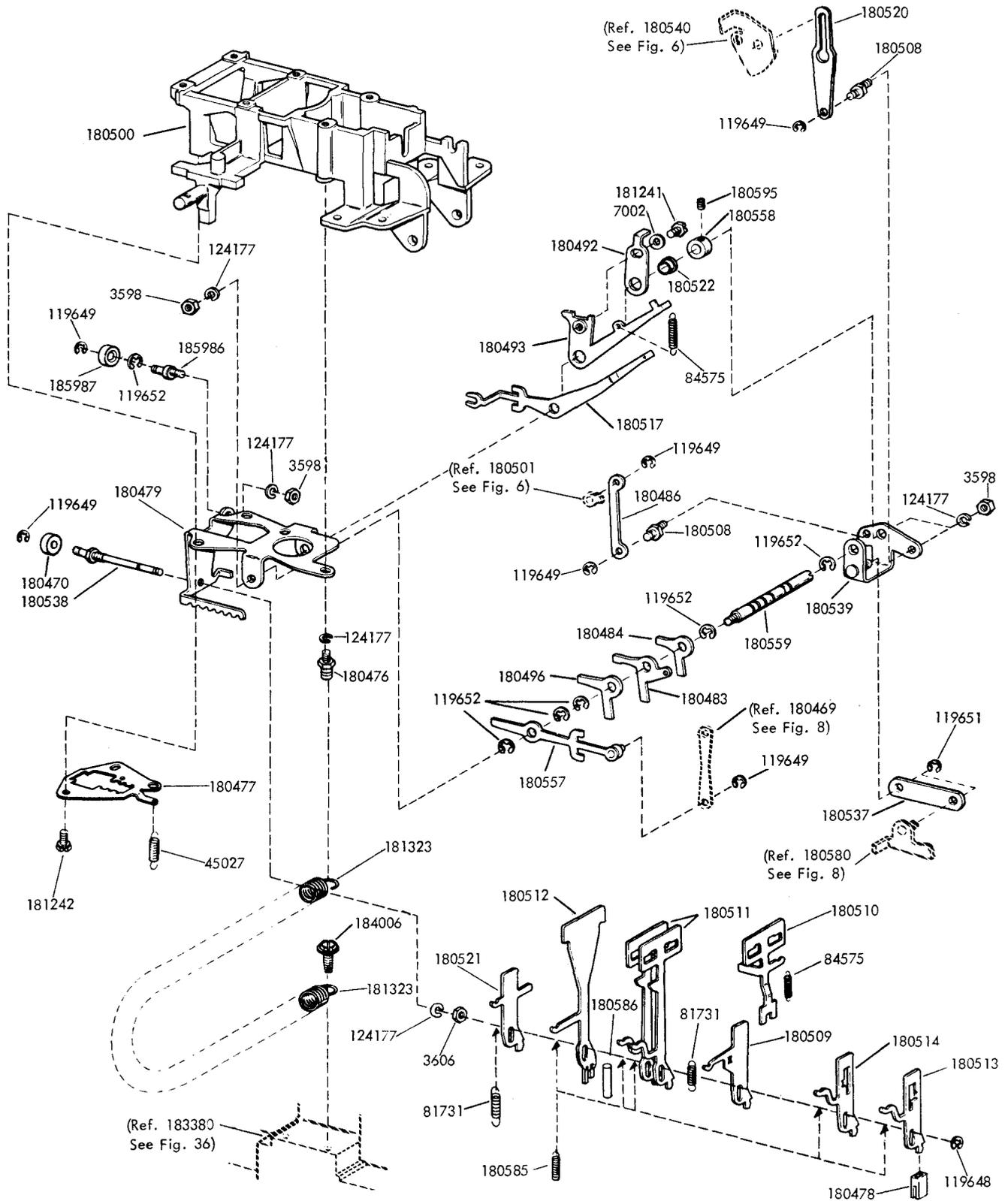


FIGURE 7. CARRIAGE LOWER PLATE MECHANISM

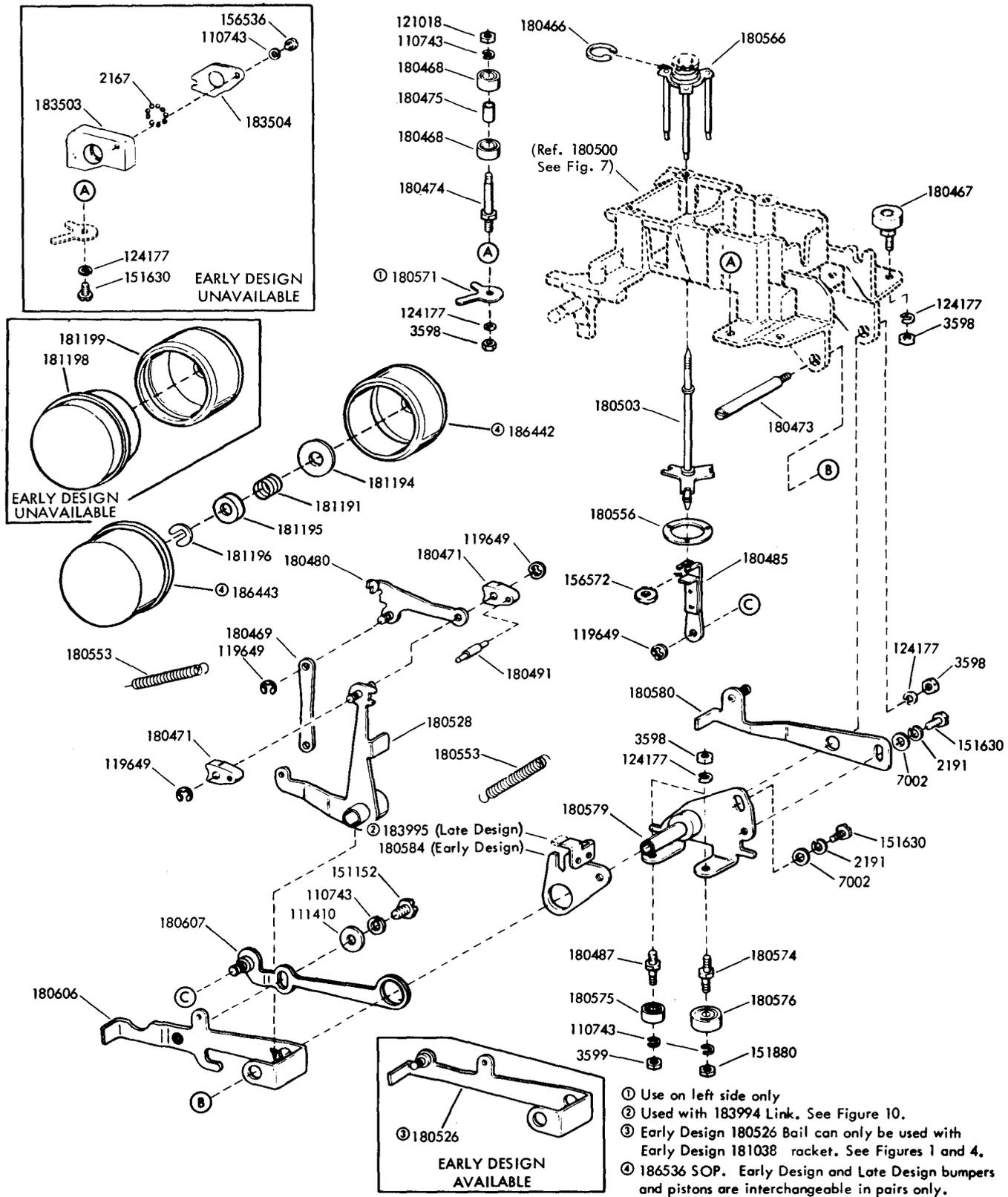


FIGURE 8. CARRIAGE POWER BAIL MECHANISM

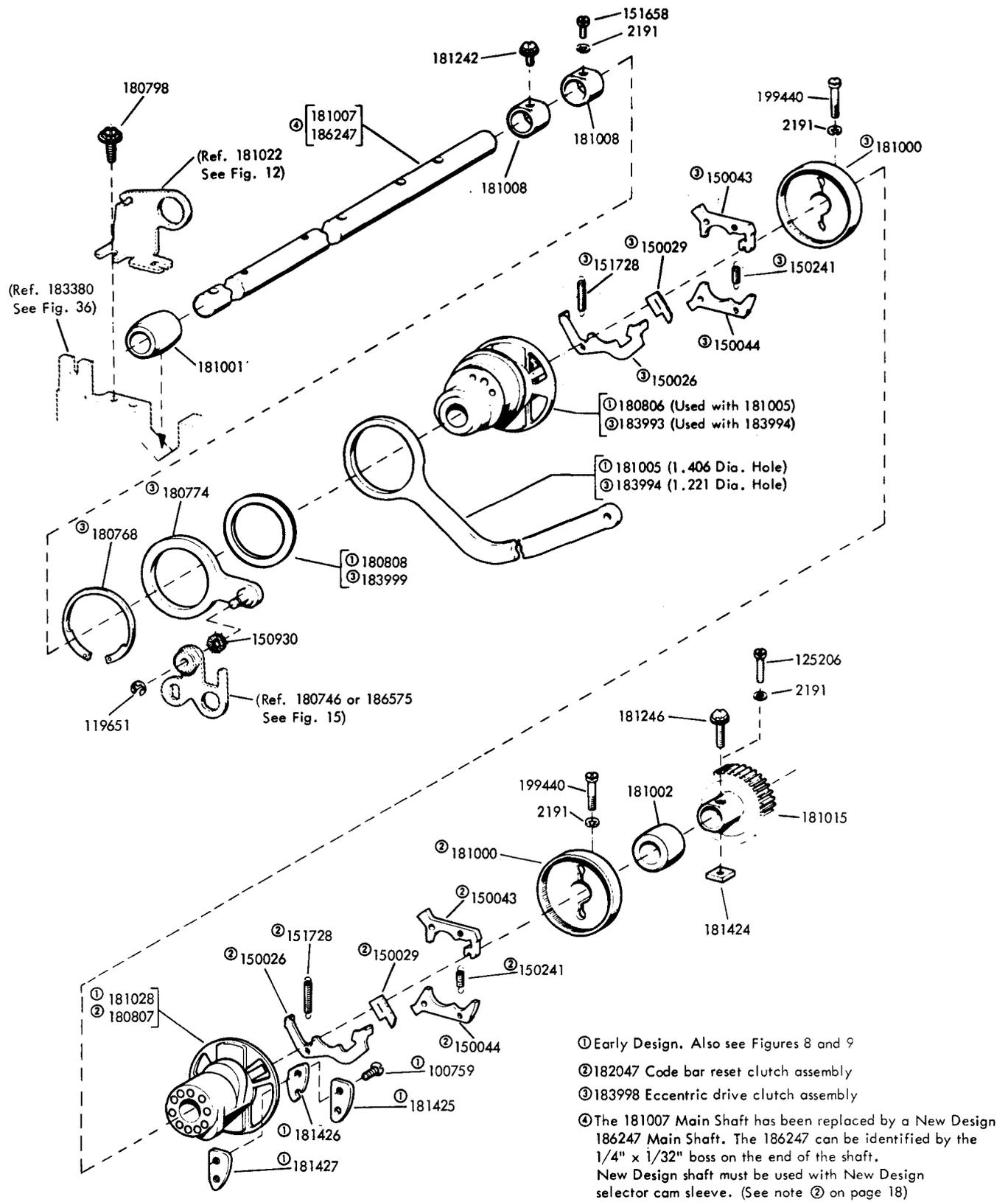


FIGURE 10. MAIN SHAFT MECHANISM - FRICTION FEED

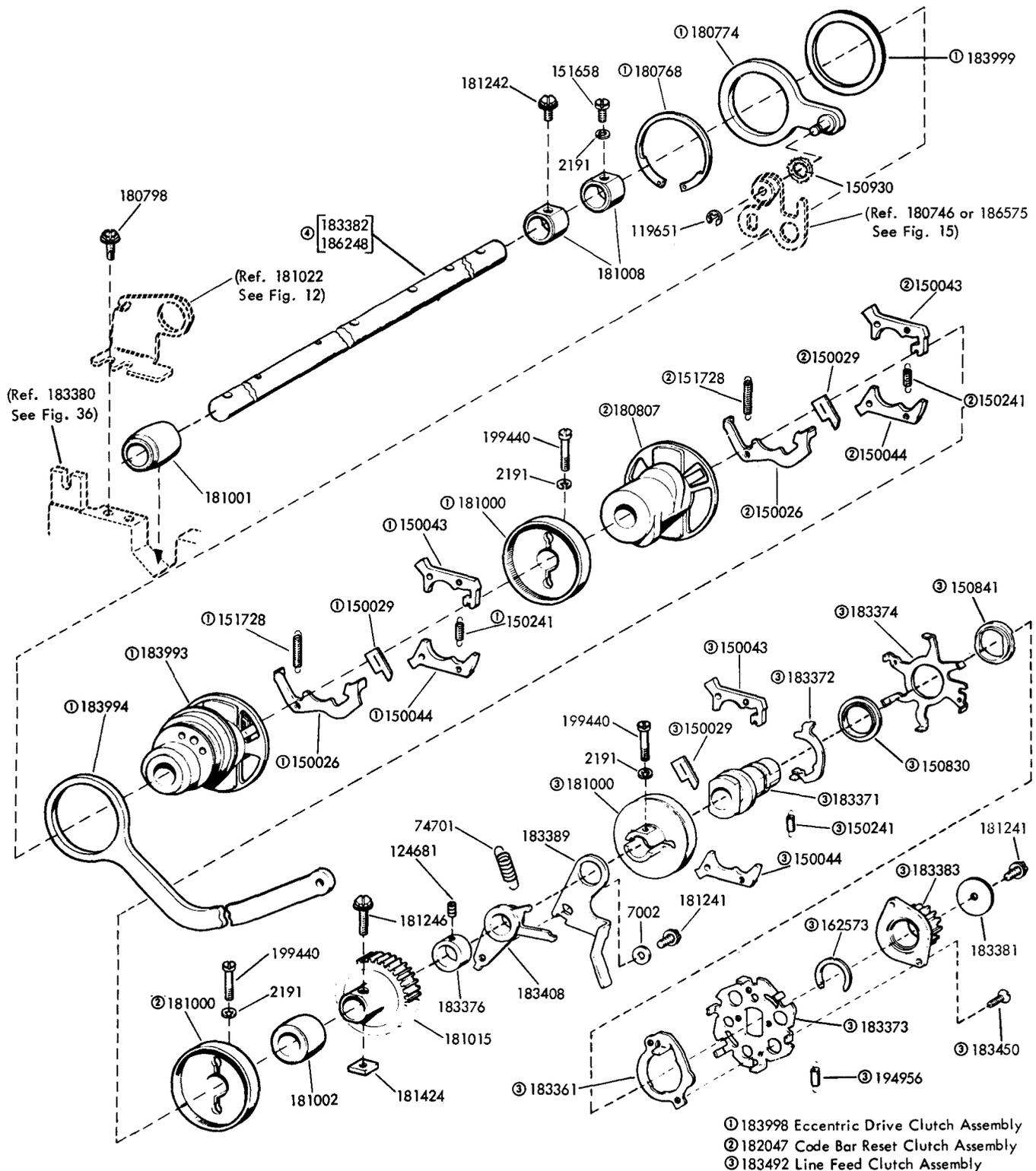


FIGURE 11. MAIN SHAFT MECHANISM - SPROCKET FEED

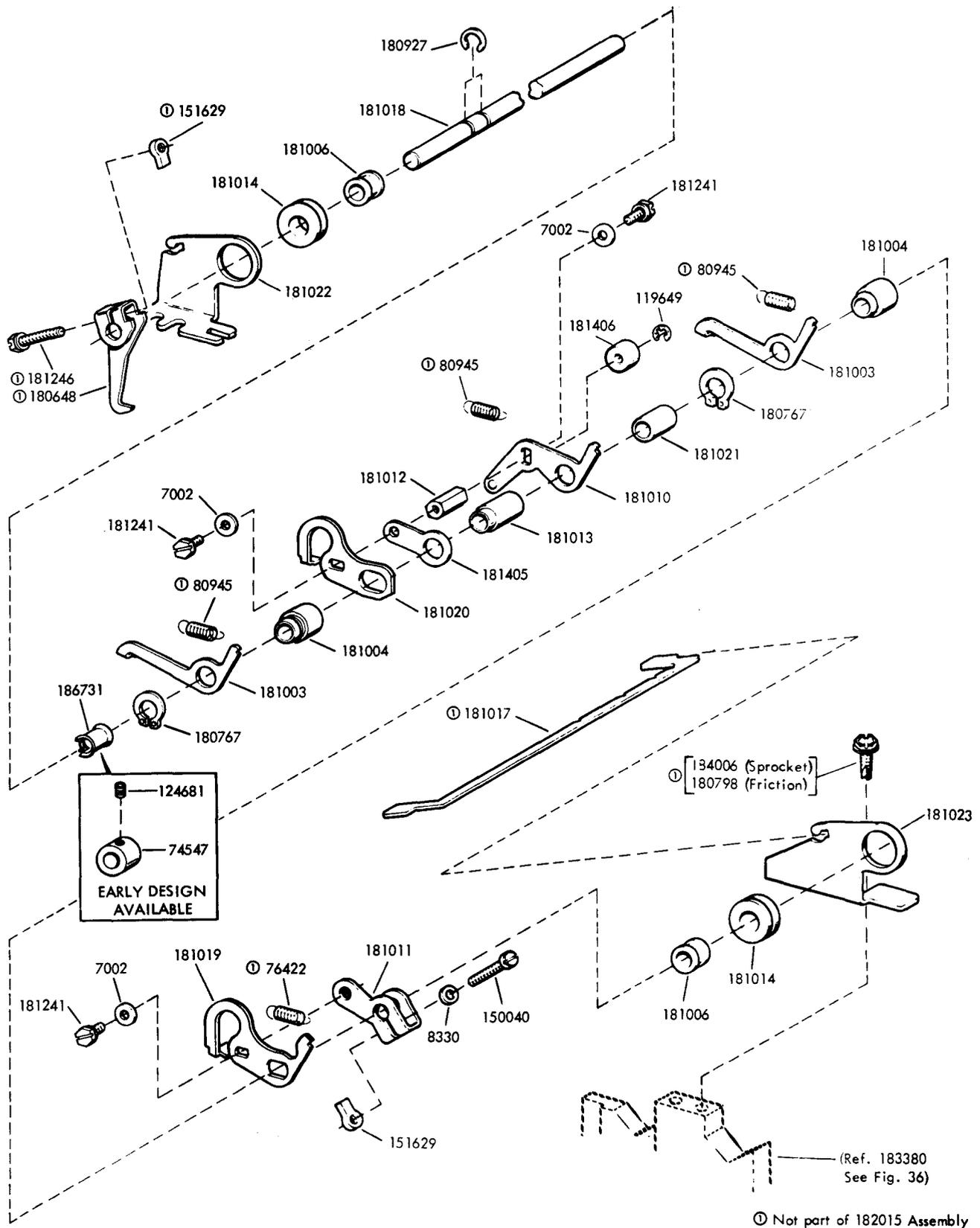


FIGURE 12. 182015 CLUTCH TRIP LEVER ASSEMBLY

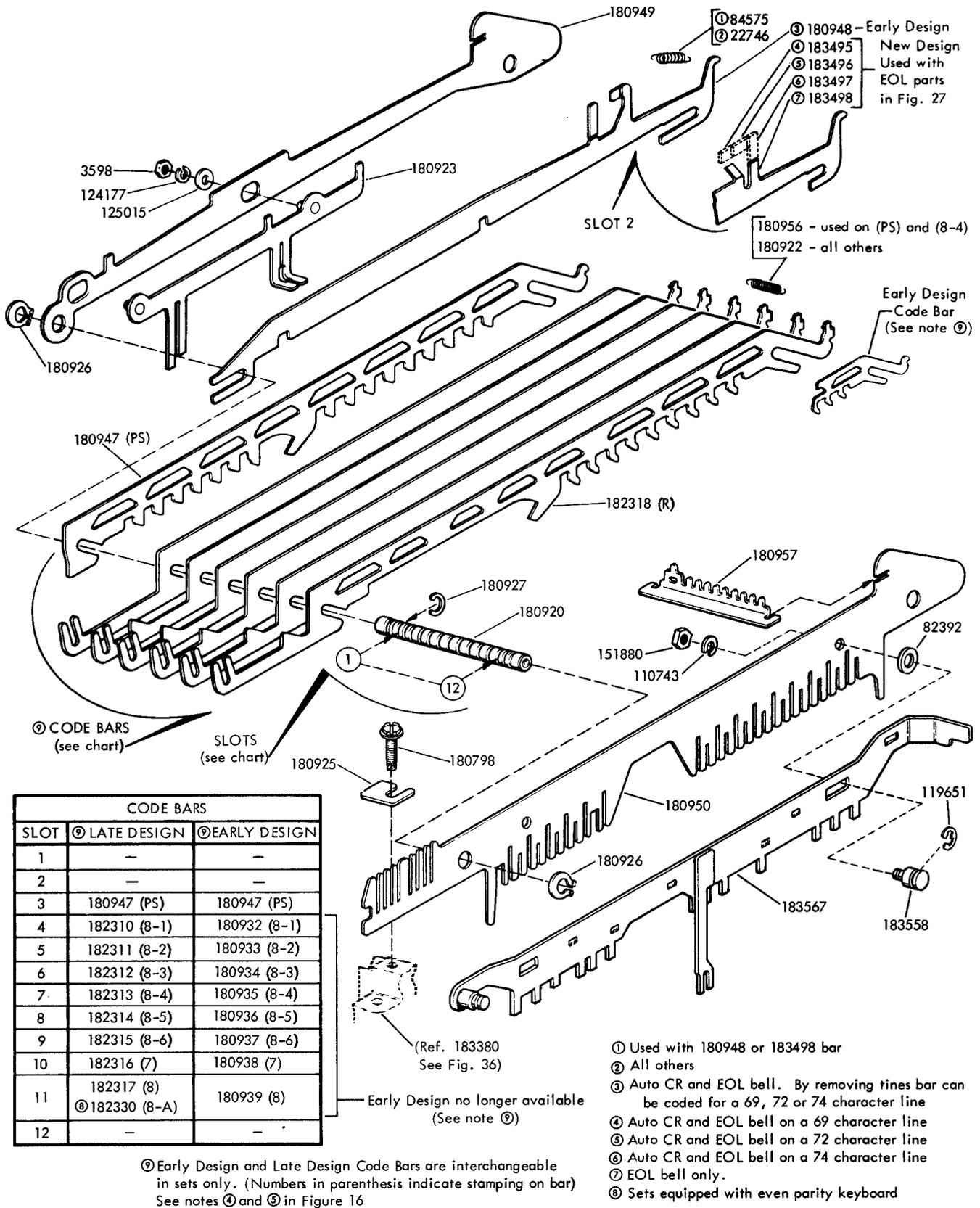


FIGURE 13. CODE BAR BASKET MECHANISM

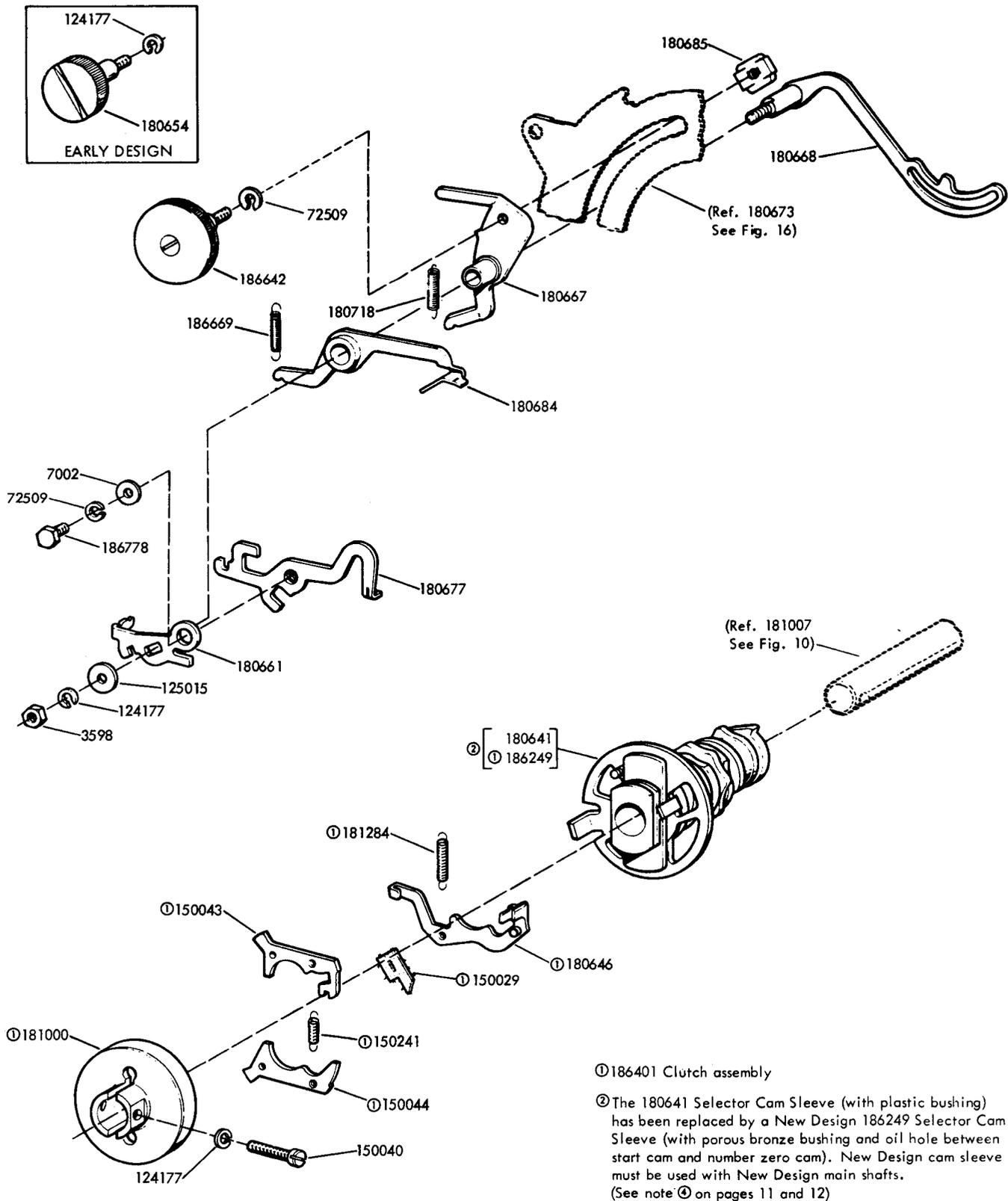


FIGURE 17. CLUTCH AND CAMSLEEVE MECHANISM

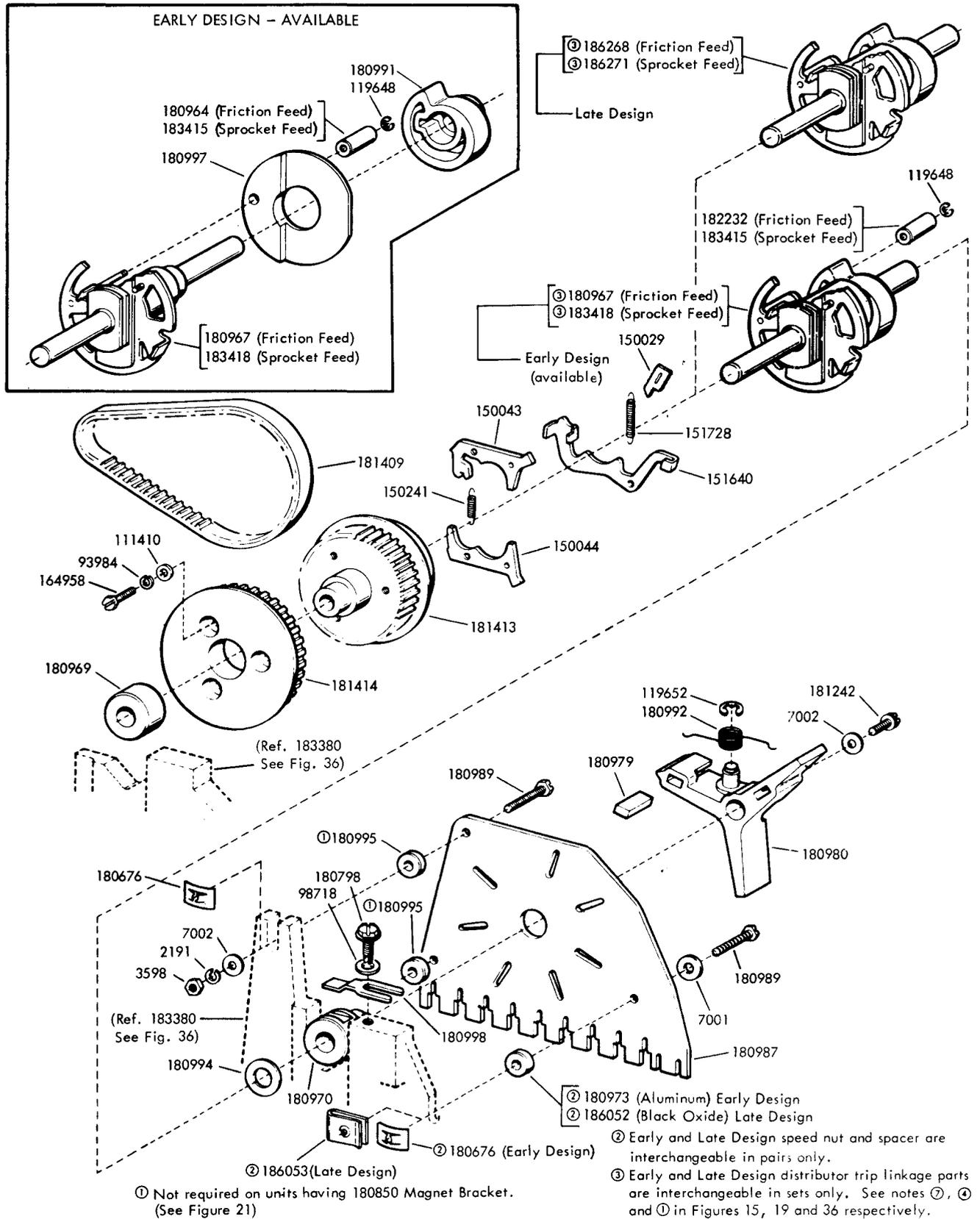


FIGURE 18. DISTRIBUTOR CLUTCH MECHANISM

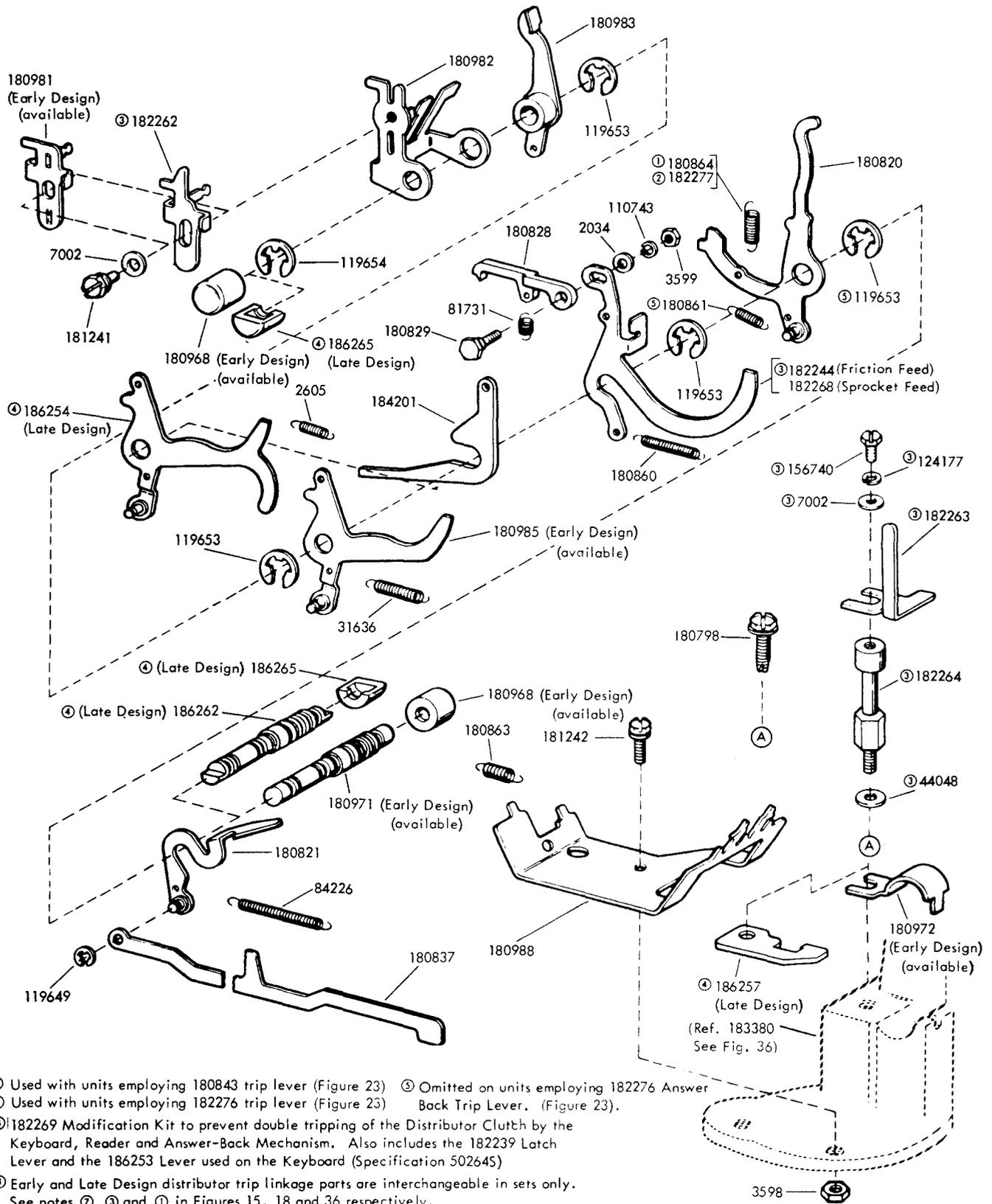


FIGURE 19. TRIP SHAFT MECHANISM

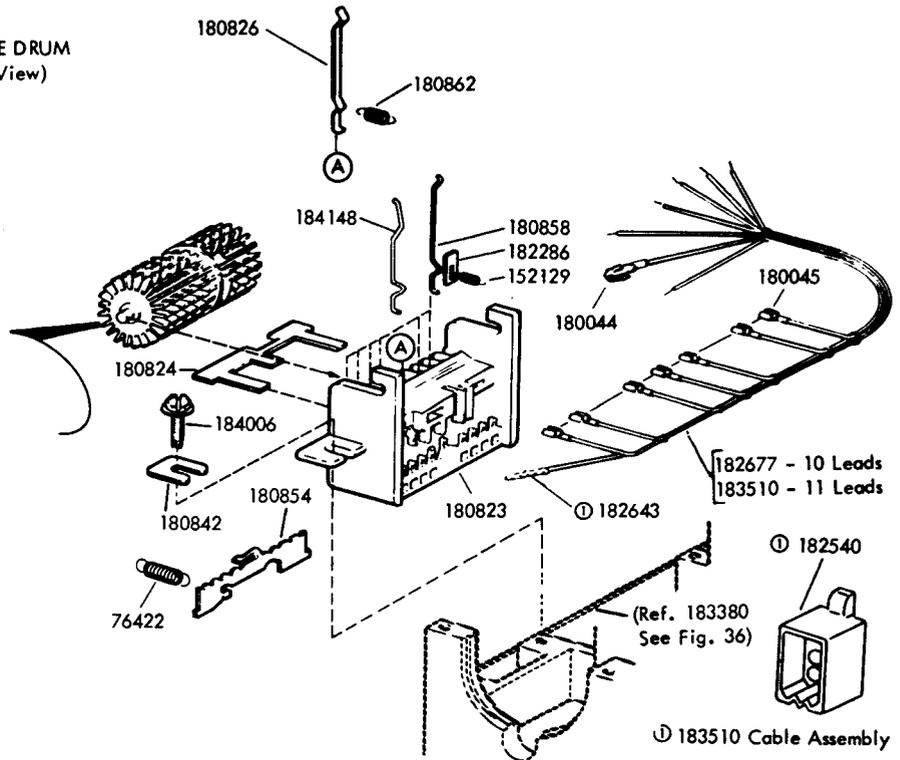
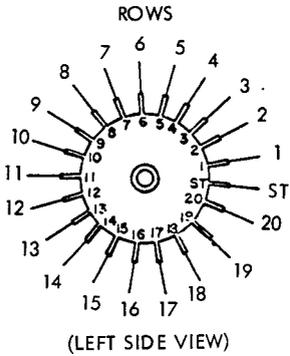
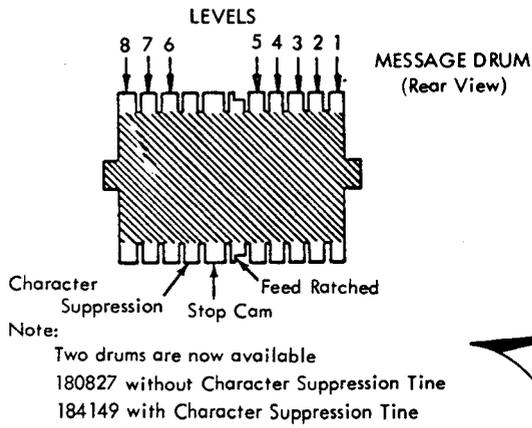


FIGURE 22. ANSWER-BACK DRUM MECHANISM

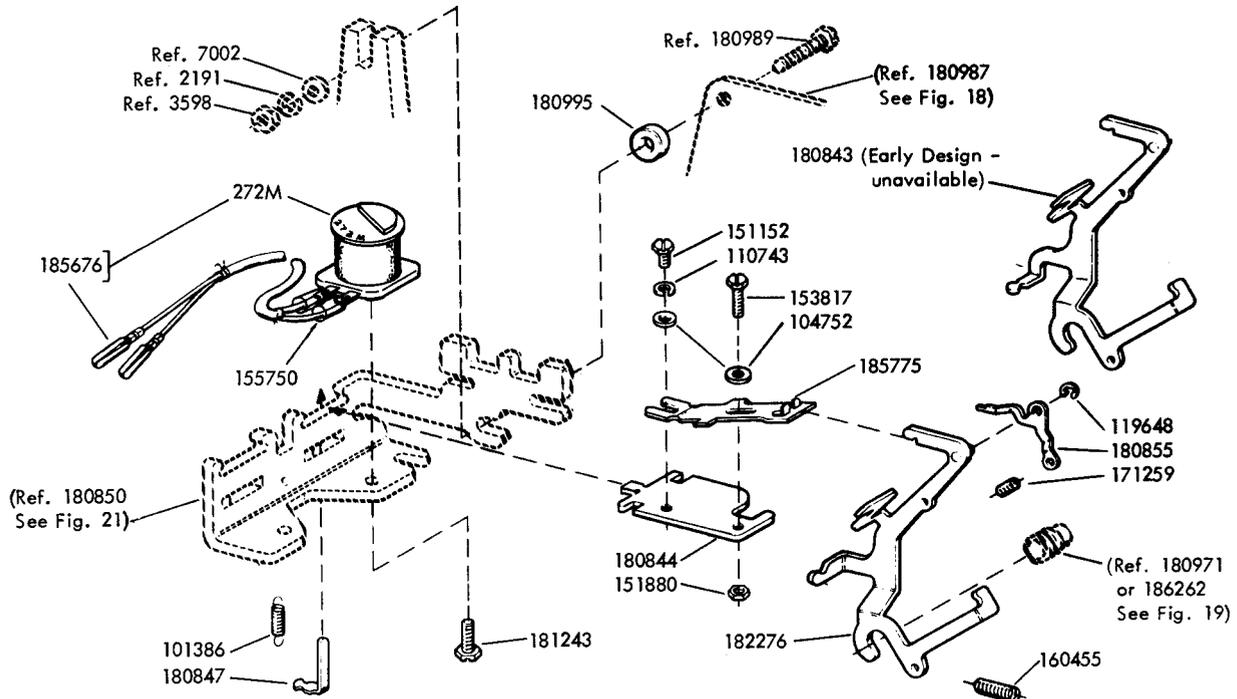
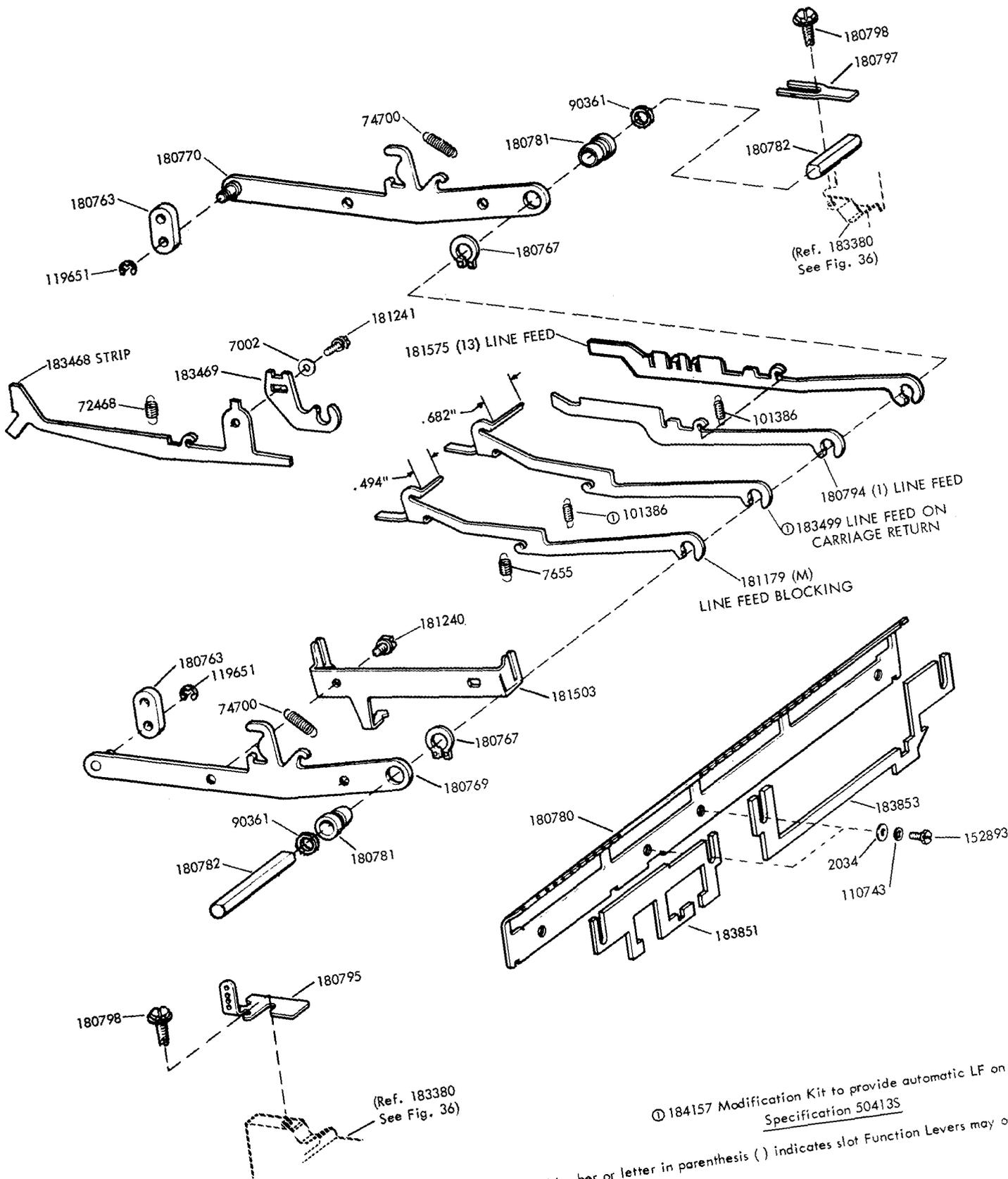


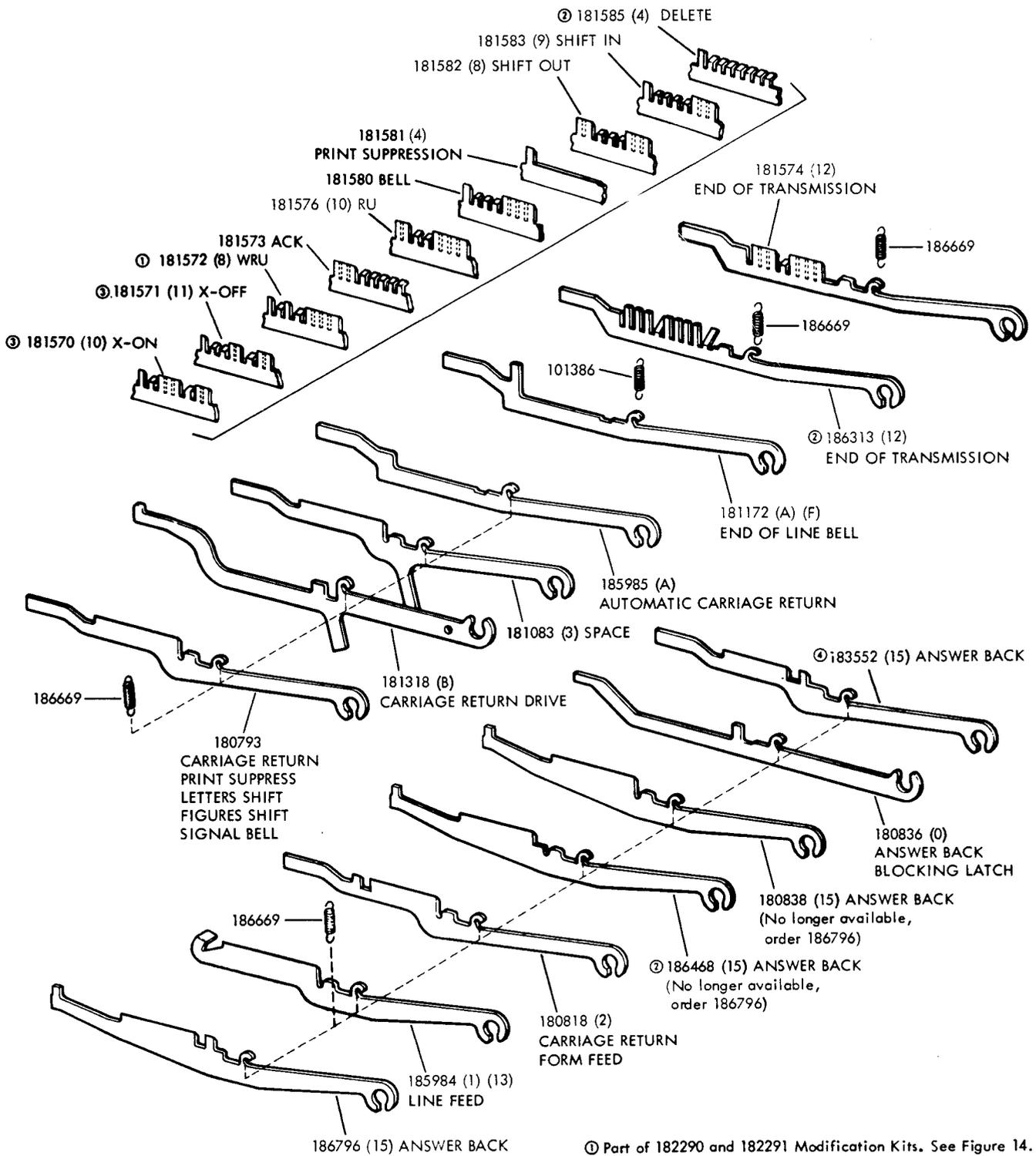
FIGURE 23. ANSWER-BACK TRIP MAGNET MECHANISM



Ⓢ 184157 Modification Kit to provide automatic LF on Specification 504135

Number or letter in parenthesis () indicates slot Function Levers may o

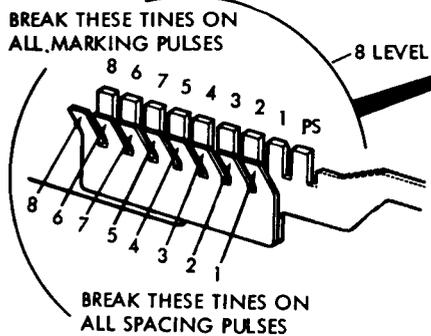
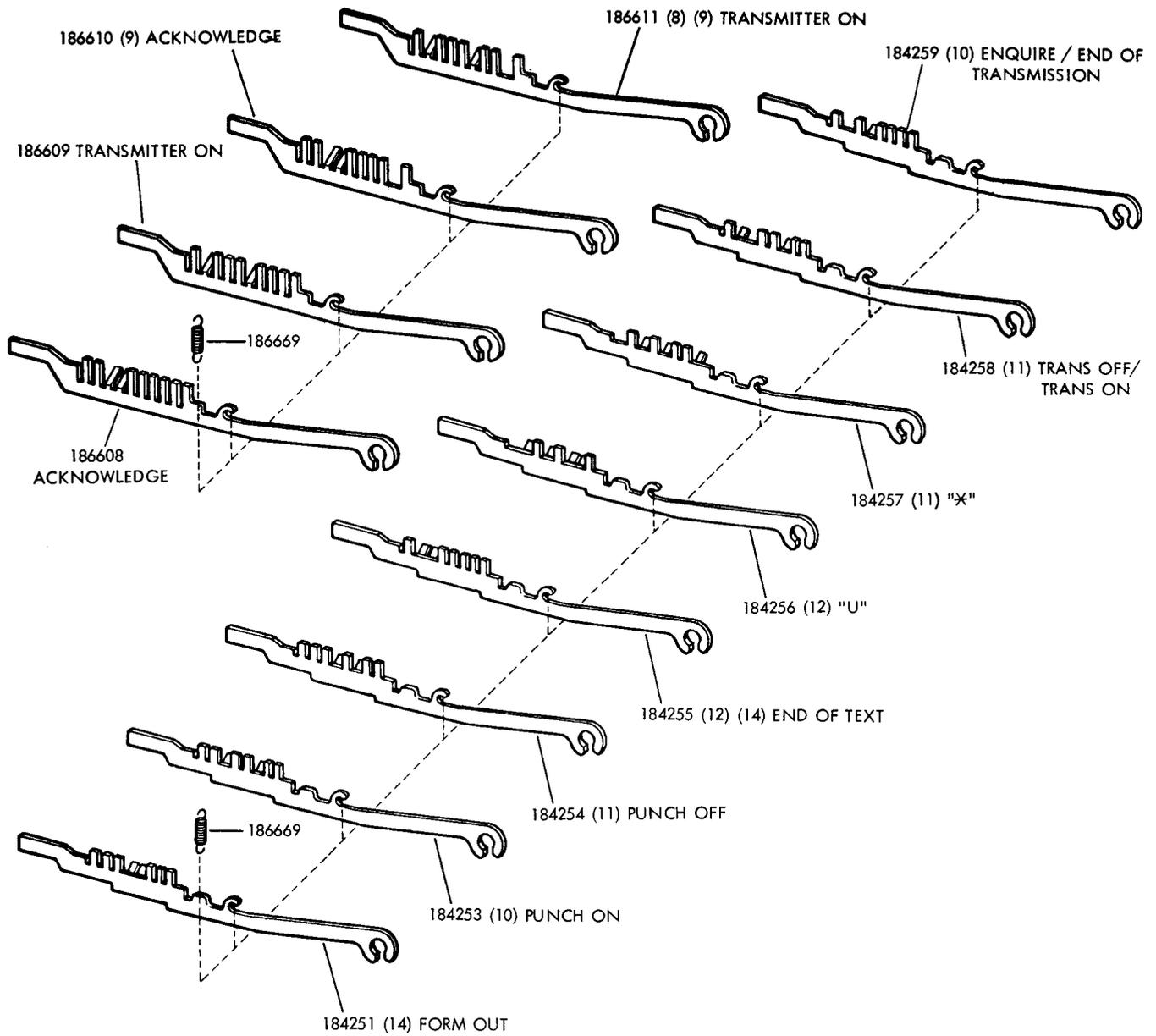
FIGURE 24. LINE FEED FUNCTION LEVER MECHANISM



- ① Part of 182290 and 182291 Modification Kits. See Figure 14.
- ② ASCII 1967 Code
- ③ Peculiar to units equipped with automatic reader control
- ④ Peculiar to units having two-color printing

NOTE: Number or letter in parenthesis () indicates slot Function Lever may occupy.

FIGURE 25. FUNCTION LEVERS



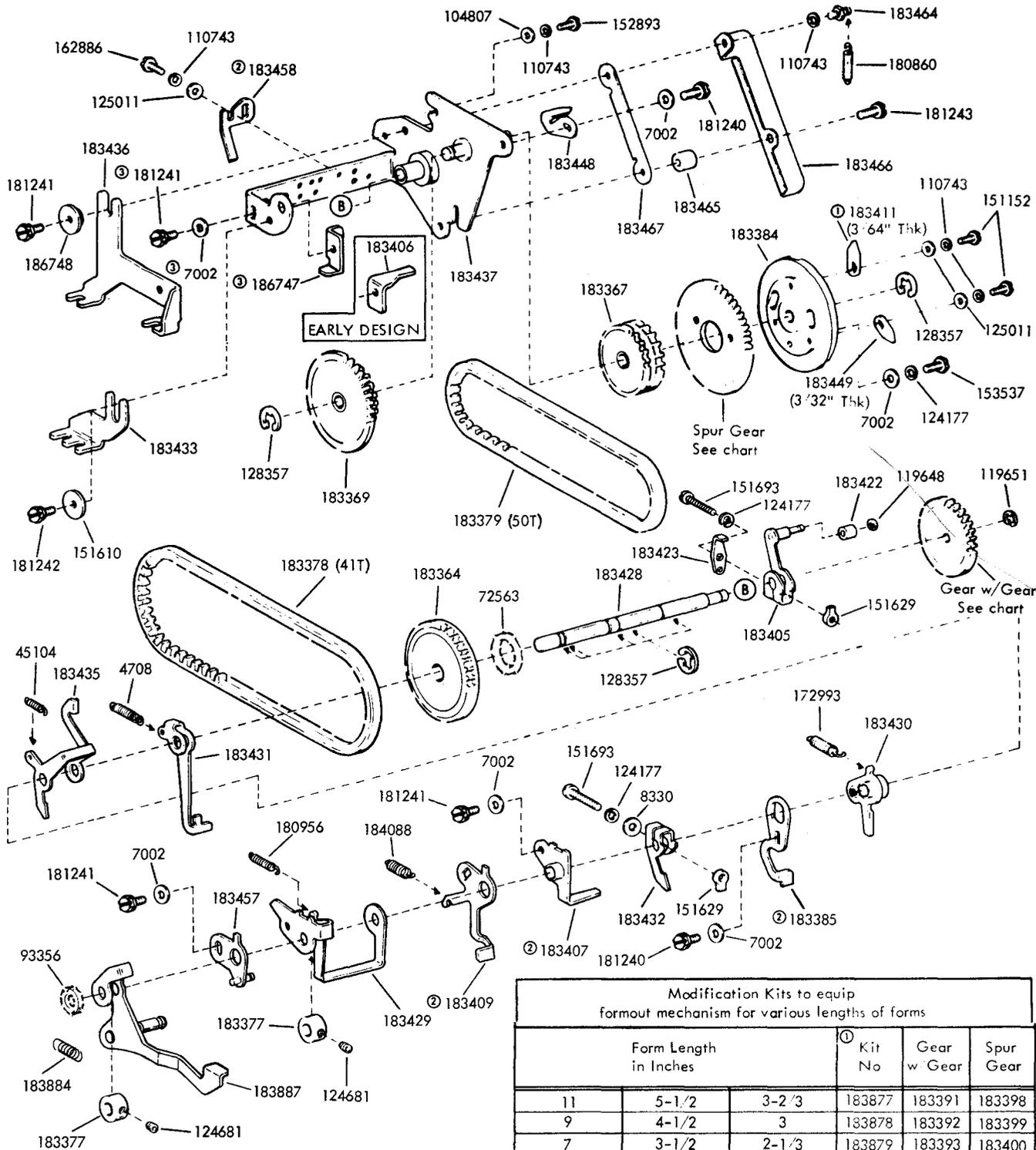
Coding a 180801 Uncoded Universal Function Lever, To perform a special function or contact closure, is to be done before installation of part. For 8 level usage starting at pivoted end, the tines are numbered 8,6,7,5,4,3,2,1 and PS, tines 6 and 7 are not in numerical order. Choose the code combination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

Note: Number or letter in parenthesis () indicates slot Function Lever may occupy.

FIGURE 26. FUNCTION LEVERS (CONTINUED)

FIGURE 29. TYPEWHEEL CHART

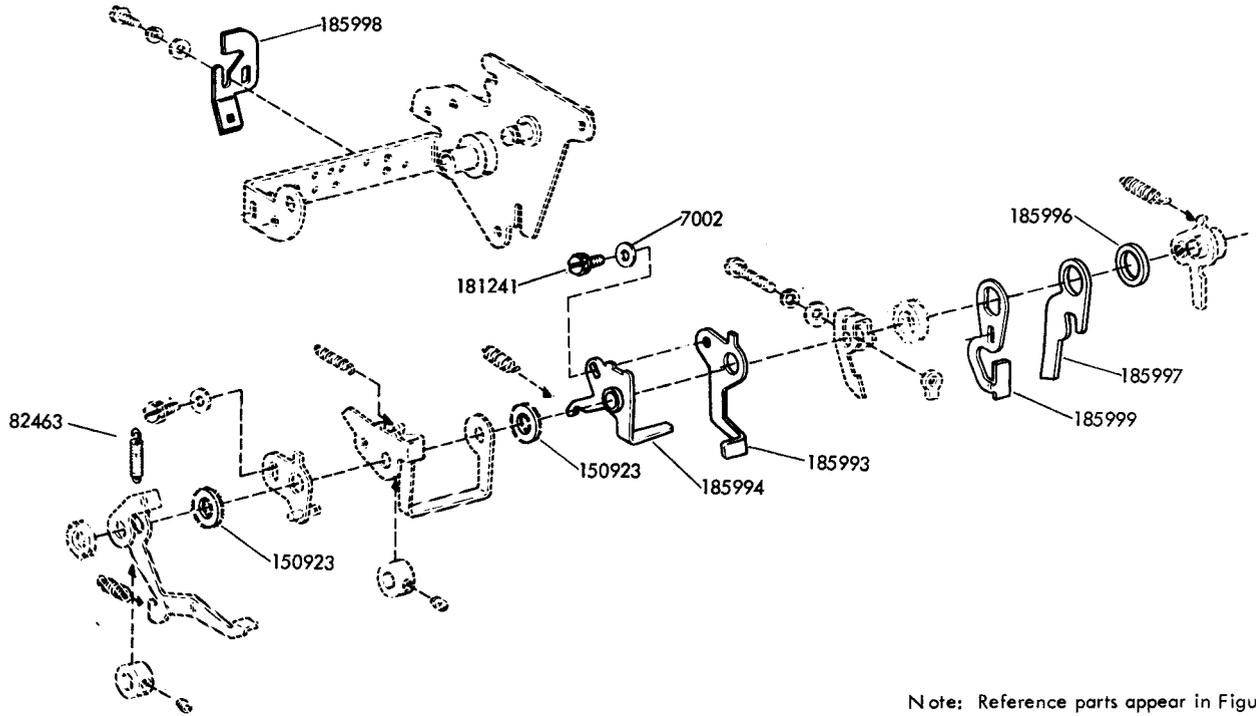
TYPEWHEEL	PART NO.	POSITION	CHARACTER																									
			A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
MA	180598	UNSHIFT																										
		SHIFT																										
MB	182280	UNSHIFT	1	2		4			7	8																		
		SHIFT																										
MC	182293	UNSHIFT	1	2	3	4	5	6	7	8	9	@	,	MC	&	.	-	!	A	B	C	D	E	F	G	H	I	:
		SHIFT																										
MD	183588	UNSHIFT																										
		SHIFT																										
ME	183599	UNSHIFT																										
		SHIFT																										
MF	183922	UNSHIFT																										
		SHIFT																										
MG	184685	UNSHIFT																										
		SHIFT																										
MH	184686	UNSHIFT	1	2	3	4	5	6	7	8	9	'	=	:	-	>	&	+	A	B	C	D	E	F	G	H	I	:
		SHIFT																										
MJ	184688	UNSHIFT																										
		SHIFT																										
MK	184689	UNSHIFT																										
		SHIFT																										
ML	184690	UNSHIFT																										
		SHIFT																										
MN	184691	UNSHIFT																										
		SHIFT																										
MP	184693	UNSHIFT																										
		SHIFT																										
MR	184695	UNSHIFT																										
		SHIFT																										
MS	184950	UNSHIFT																										
		SHIFT																										
MT	184694	UNSHIFT	1	2	3	4	5	6	7	8	9	@	,	+	&	.	-	!	A	B	C	D	E	F	G	H	I	:
		SHIFT																										
MU	184692	UNSHIFT	1	2	3	4	5	6	7	8	9	@	,	MC	&	.	-	!	A	B	C	D	E	F	G	H	I	:
		SHIFT																										
MV	184696	UNSHIFT	1	2	3	4	5	6	7	8	9	'	=	:	-	>	&	+	A	B	C	D	E	F	G	H	I	:
		SHIFT																										
MW	184697	UNSHIFT	1	2	3	4	5	6	7	8	9	'	=	:	-	>	&	+	A	B	C	D	E	F	G	H	I	:
		SHIFT																										
MY	184698	UNSHIFT	1	2	3	4	5	6	7	8	9	'	=	:	-	>	&	+	A	B	C	D	E	F	G	H	I	:
		SHIFT																										
MZ	184951	UNSHIFT	J	K	3	M	5	6	P	Q	9	@	=	MZ	()	-	*	A	B	T	D	V	W	G	H	Z	
		SHIFT																										
NA	184952	UNSHIFT																										
		SHIFT																										
NB	184953	UNSHIFT																										
		SHIFT																										



- ① The required number of 183411 Cam Plates and mounting hardware are furnished with each kit (Specification 504105)
- ② Early design parts. See Figure 33 for later design.
- ③ These parts are factory adjusted and fixturized. Should they be loosened, remove and discard them. Then readjust.

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 32. FORMOUT MECHANISM - SPROCKET FEED



Note: Reference parts appear in Figure 32

FIGURE 33. LATER DESIGN FORMOUT MECHANISM - SPROCKET FEED

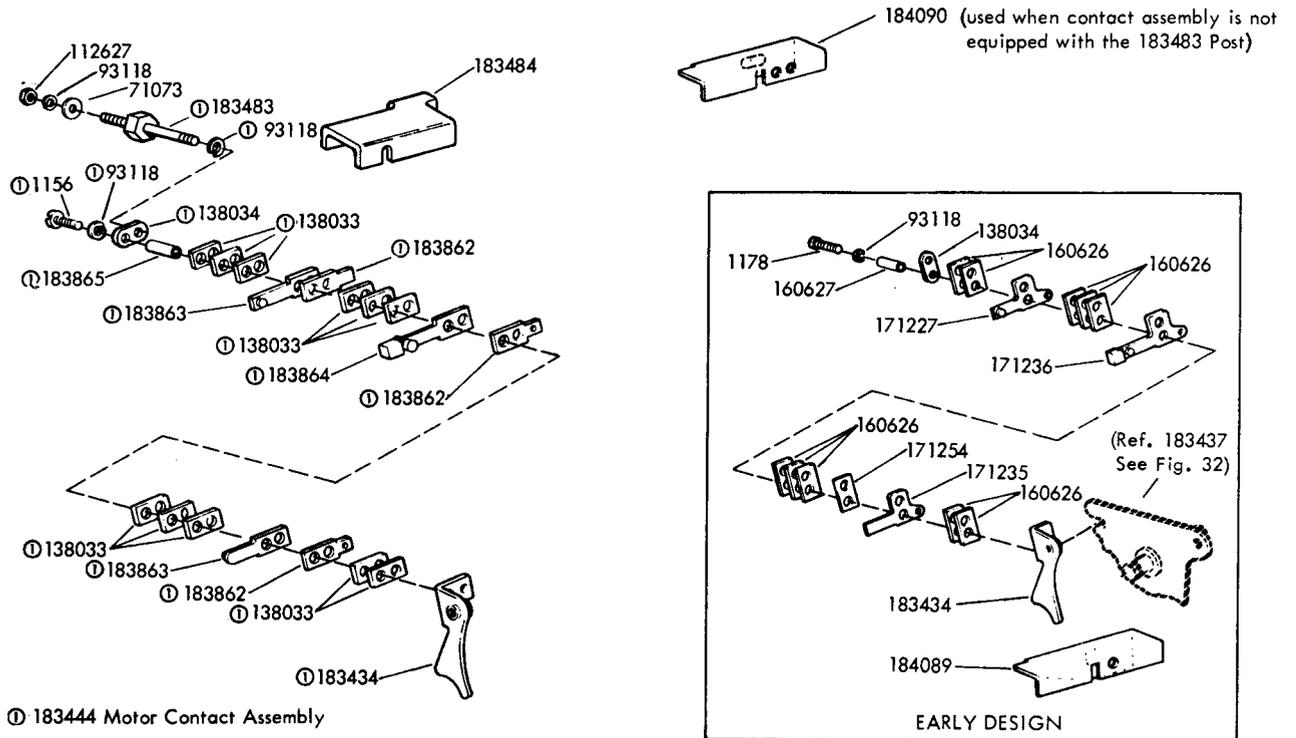
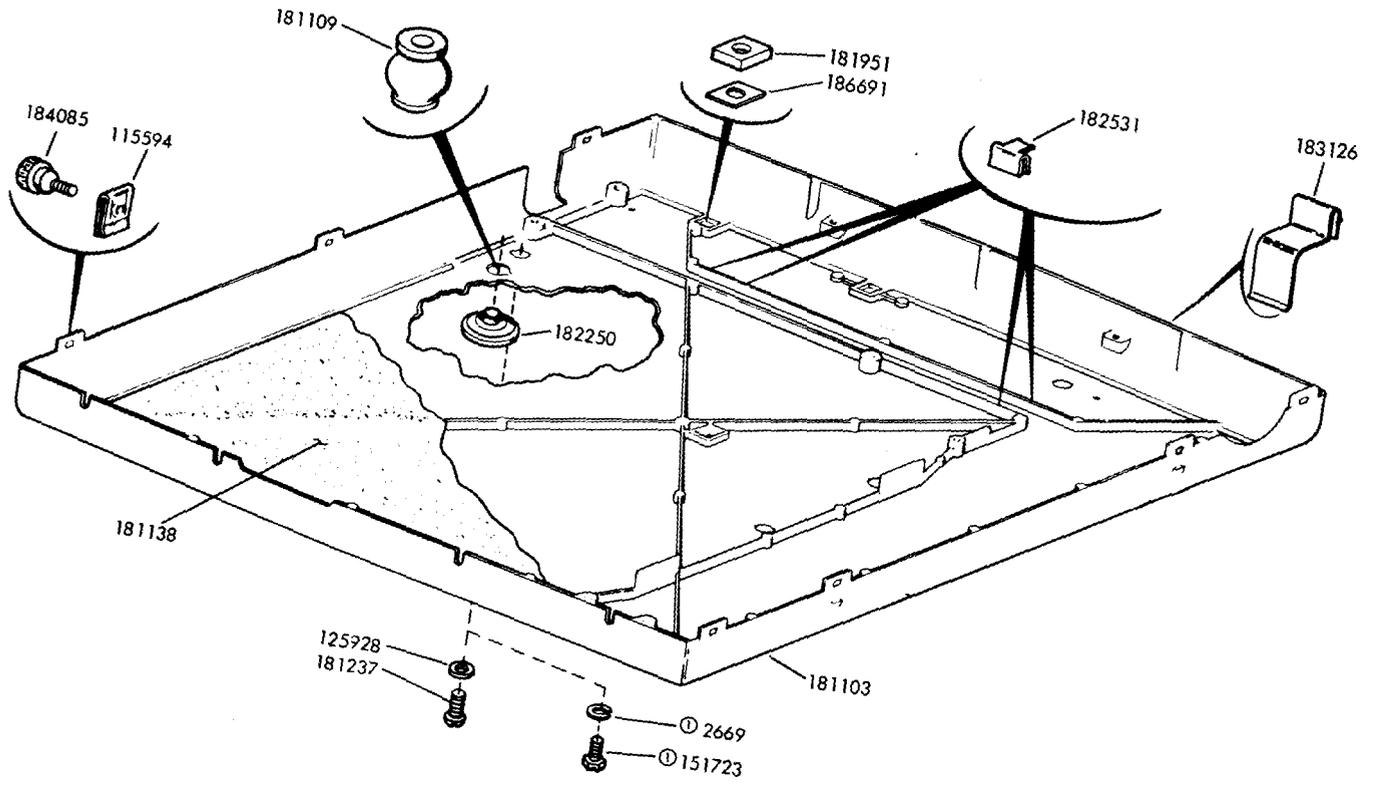


FIGURE 34. MOTOR CONTACT - SPROCKET FEED



① Used on early base having two pem nuts pressed in place

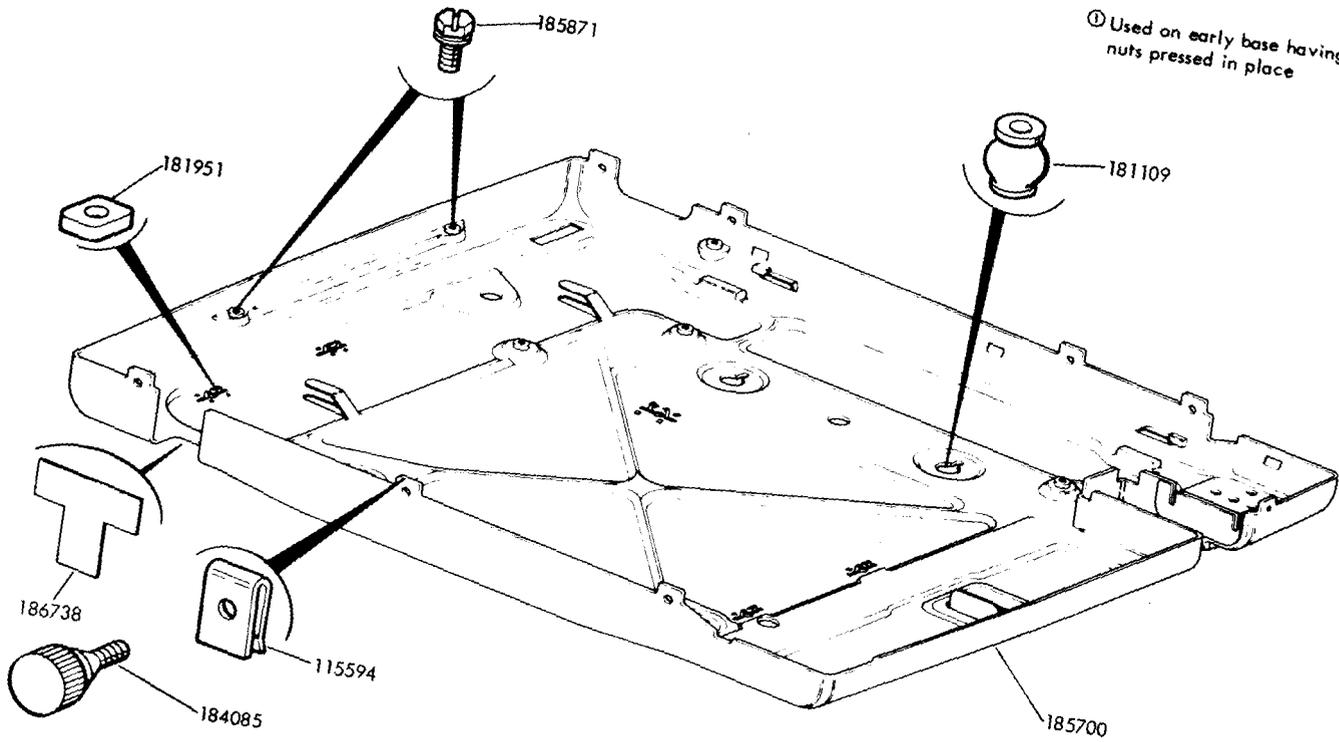
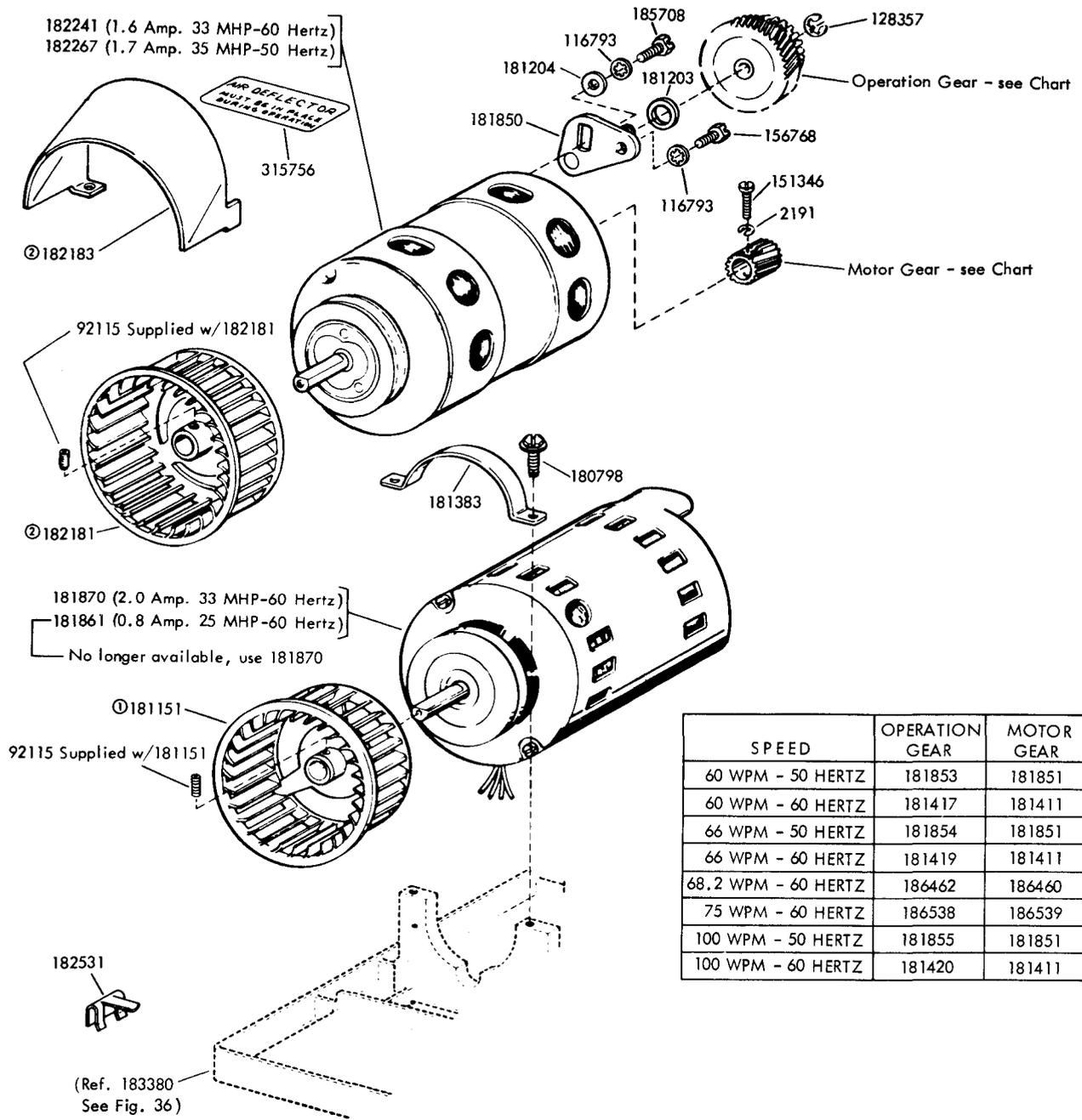


FIGURE 37. SUB BASES



- 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 38. MOTORS

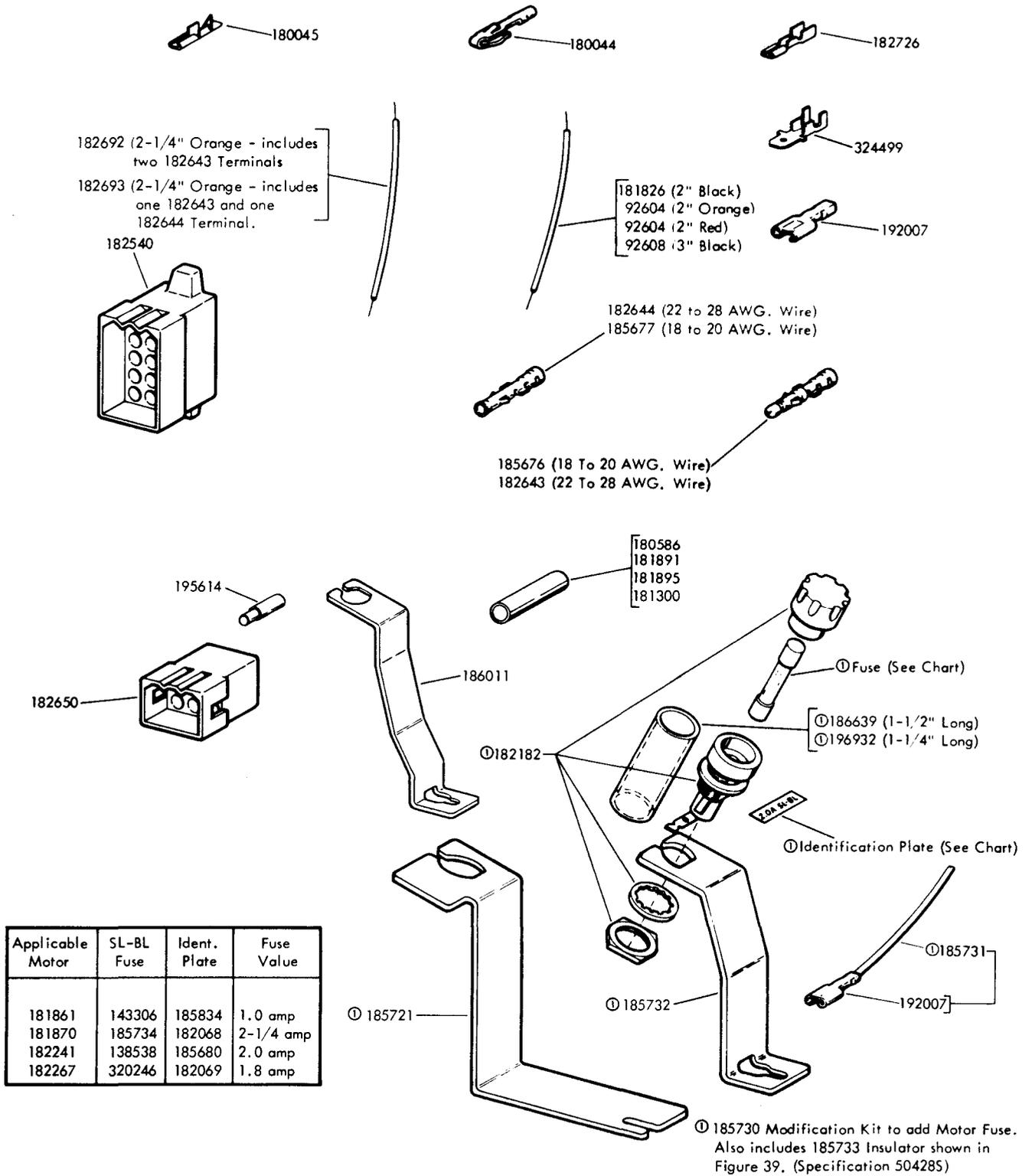


FIGURE 40. CABLE COMPONENTS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
272M	Coil, Magnet 22	72468	Spring 23	107116	Lockwasher 6
276M	Coil, Magnet 21	72509	Lockwasher 18	110435	Nut, 4-40 Hex 26
279M	Coil, Magnet 21	72563	Washer, Felt 30	110743	Lockwasher 4,6,7,9,10,14, 15,17,20,21,22,23,26,30, 32,36
286M	Coil, Magnet 32	74547	Collar 13	111410	Washer, Flat 9,19
295M	Coil, Magnet 21	74700	Spring 23	111640	Screw, 2-56 x 7/32 Fil 3
300M	Coil, Magnet 21	74701	Spring 10,12	112127	Hinge 17
1156	Screw, 2-56 x 9/16 Fil 31	74716	Bushing, Insulating 17	112128	Retainer 17
1164	Screw, 2-56 x 3/16 Fil 5	74722	Washer, Flat 4	112620	Screw, 4-40 x 1/2 Hex 16
1171	Screw, 6-32 x 3/16 Fil 32	76099	Washer, Flat 17	112626	Nut, 10-32 Hex 6
1178	Screw, 2-56 x 7/16 Fil 31	76422	Spring 13,22	112627	Nut, 2-56 Hex 31
1210	Screw, 2-56 x 5/8 Fil 5	76461	Washer, Flat 21,26	112630	Spring 3
2034	Washer, Flat 6,10,20,23	78103	Screw, 6-40 x 1-3/16 Hex 21	112634	Spring 6
2167	Ball, Bearing 9	80945	Spring 13	113384	Plate 17
2191	Lockwasher 2,7,9,11,12, 19,22,32,33,35	81726	Terminal 17	114107	Spring 10
2605	Spring 20	81731	Spring 8,20	115594	Nut, Speed 34
2669	Lockwasher 6,34	82392	Shim, .004" Thk 14,32	116793	Lockwasher 35
3598	Nut, 6-40 Hex 2,4,6,7,8, 9,10,14,16,17,18,19,20, 21,22,32,33	82463	Spring 31	119421	Washer, Flat 2,5
3599	Nut, 6-40 Hex 4,6,7,9,15, 20	82532	Screw, 6-40 Shoulder 26	119648	Ring, Retaining 8,10,19, 22,30,32
3606	Nut, 6-40 Hex 8,26	82538	Screw, 6-40 x 5/16 Hex 21,32	119649	Ring, Retaining 3,4,7,8, 9,10,13,15,16,17,20,26,33
3608	Spring 6	82547	Insulator, .094" Thk 17	119651	Ring, Retaining 2,3,4,6, 7,8,10,11,12,14,23,30,32, 33
3640	Lockwasher 17	82548	Insulator, .062" Thk 17	119652	Ring, Retaining 4,8,10, 19,26,32,33
3864	Spring 21	83877	Spring 17	119653	Ring, Retaining 6,20
4703	Spring 10	84226	Spring 3,20	119654	Ring, Retaining 6,20
4708	Spring 30	84575	Spring 3,8,10,14	120595	Follower, Cam 17
5599	Nut, 8-32 Hex 21	86283	Spring 15	121018	Nut, 4-40 Hex 9
7001	Washer, Flat 19	87398	Washer, Flat 4	121100	Spring 17
7002	Washer, Flat 2,3,4,5,6,7, 8,9,10,12,13,15,17,18,19, 20,22,23,30,31,32,33	87402	Spring 21	121630	Washer, Flat 21
7655	Spring 23	90361	Washer, Felt 23	121923	Spring 26
8330	Washer, Flat 13,30	90432	Washer, Flat 10	124177	Lockwasher 2,3,4,7,8,9, 10,14,15,16,17,18,20,21, 26,30,32
22746	Spring 14	90615	Spring 3	124612	Screw, 8-32 x 1/2 Hex 2
31636	Spring 5,20	90790	Washer, Flat 10,15,26	124681	Setscrew, 6-40 4,6,12,13, 16,30
33765	Washer, Flat 3	90891	Spring 33	125011	Washer, Flat 15,17,30
41732	Plate, Clamp 21	92115	Setscrew, 8-32 35	125015	Washer, Flat 14,16,17,18, 33
42661	Spring 10	92527	Lockwasher 21	125112	Screw, 2-56 x 1/8 Fil 17
42823	Washer, Flat 36	92604	Jumper, 2" Lg 37	125181	Screw, 2-56 x 3/8 Fil 16
44048	Washer, Flat 16,20	92608	Jumper, 3" Lg 37	125206	Screw, 6-32 x 5/8 Fil 11
45027	Spring 8	93117	Lockwasher 3,5,16	125252	Spring 15
45104	Spring 30	93118	Lockwasher 5,17,31	125802	Washer, Flat 15
49054	Screw, 2-56 x 3/16 Flat 6	93356	Washer, Felt 30	125928	Washer, Flat 34
49420	Spring 15	93984	Lockwasher 19		
70388	Spring 10	93985	Lockwasher 2,5,16		
70466	Spring 10	98718	Washer, Flat 19		
71073	Washer, Flat 5,16,17,31	100759	Screw, 4-40 x 3/16 Flat 11		
71681	Spool, Ribbon 6	101386	Spring 4,17,21,22,23,24, 32		
		104752	Washer, Flat 21,22,32		
		104807	Washer, Flat 7,21,26,30		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
128357	Ring, Retaining 21,30,35	152890	Washer, Flat 21	180464	Pulley, Carriage Return Spring 10
138033	Insulator, .031" Thk 5, 31	152891	Spring 32	180466	Ring, Retaining 9
138034	Plate, Clamp 5,31	152893	Screw, 4-40 x 1/4 Hex 6, 7,15,17,21,23,30	180467	Bearing, Ball 9
138538	Fuse, SL-BL 2 Amp 37	153267	Washer, Felt 6	180468	Bearing, Ball 9
143306	Fuse, SL-BL 1 Amp 37	153484	Screw, 6-32 Spl 36	180469	Link 8,9
145887	Spring, Contact 17	153537	Screw, 6-40 x 9/32 Hex 30	180470	Roller 8
150026	Lever, Shoe Release 11,12	153631	Network, Spark Suppression 36	180471	Block 9
150029	Wick, Felt 11,12,18,19	153799	Screw, 4-40 x 21/64 Hex 6,15	180473	Shaft 9
150040	Screw, 6-40 x 5/8 Fil 13, 18	153817	Screw, 4-40 x 3/8 Hex 4, 6,21,22,32	180474	Stud 9
150043	Shoe, Secondary Clutch 11,12,18,19	155750	Sleeve, 3/32 ID x 1/2" Lg, Insulating 21,22	180475	Bushing 9
150044	Shoe, Primary Clutch 11,12,18,19	156169	Washer, Felt 21	180476	Screw, 6-40 Spl 8
150241	Spring 11,12,18,19	156509	Washer, Flat 10	180477	Bracket 8
150830	Bushing, Shoulder 12	156536	Screw, 4-40 x 1/8 Fil 9	180478	Guide, Nylon 8
150841	Bearing 12	156558	Washer, Felt 10	180479	Bracket 8,26
150923	Washer, Felt 31	156572	Washer, Felt 9	180480	Arm w/Stud 9
150930	Washer, Felt 11,12,16	156740	Screw, 6-40 x 7/32 Hex 20	180482	Arm w/Shaft 7
150990	Washer, Felt 33	156768	Screw, 8-32 x 9/32 Hex 35	180483	Arm, Stop 8
151152	Screw, 4-40 x 3/16 Hex 7, 9,10,21,22,30,32	157899	Arm, NC Contact 15	180484	Arm, Stop 8
151346	Screw, 6-40 x 3/8 Fil 35	158186	Screw, 4-40 x 7/32 Fil 4	180485	Arm w/Spring 9
151397	Spring 17	158189	Washer, Felt 10	180486	Link 8
151413	Washer, Flat 10	158772	Screw, 4-40 x 5/8 Hex 21	180487	Stud 9
151603	Spacer 17	160455	Spring 22	180488	Shaft 7
151610	Washer, Flat 30	160626	Insulator .031" Thk 31	180489	Lever w/Pin 6
151629	Nut, 6-40 Lug 6,13,30	160627	Bushing, Insulating 31	180491	Shaft 9
151630	Screw, 6-40 x 1/4 Hex 9, 26	161100	Spring, Contact 17	180492	Arm 8
151631	Screw, 6-40 x 5/16 Hex 3	161346	Washer, Felt 10	180493	Lever, Trip 8
151640	Lever, Shoe Release 19	161347	Washer, Felt 16	180495	Link, Ribbon 7
151658	Screw, 6-40 x 5/16 Fil 11,12	162573	Retainer 12	180496	Arm, Stop 8
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151722	Screw, 6-40 x 3/16 Hex 3, 4	162886	Screw, 4-40 x 7/32 Hex 30	180498	Bracket 6
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