

HIGH SPEED TAPE READER (CX)

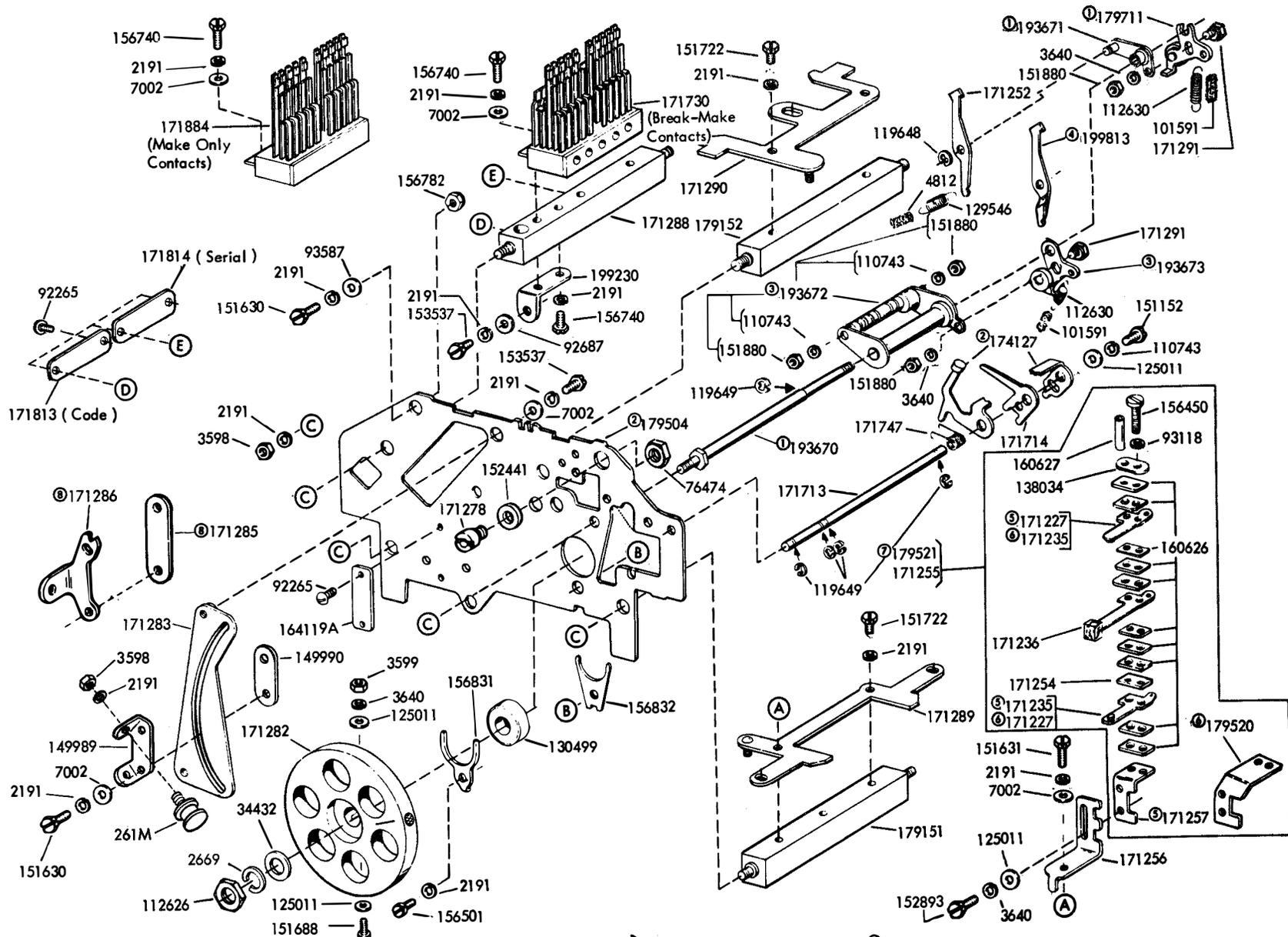
PARTS

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SECTION 592-801-800

VARIATIONS IN THE HIGH SPEED READER														
Reader Unit	.CX	1	2	600	601	602	603	700	701	800	801	802	803	804
Code Level	Five Six Seven Eight	X	X	X	X	X	X	X	X	X	X	X	X	X
Make-Only Contacts Break-Make Contacts		X	X	X	X	X	X	X	X	X	X	X	X	X
Width of Tape	11/16"	X	X	X	X	X	X	X	X			X	X	X
	7/8"			X	X	X	X	X	X			X	X	X
	1"									X	X	X	X	X
Armature Blocking Mechanism Advanced Feed Hole 48 Volt Magnet Operation						X	X						X	X

FIGURE 1. FRONT PLATE MECHANISM

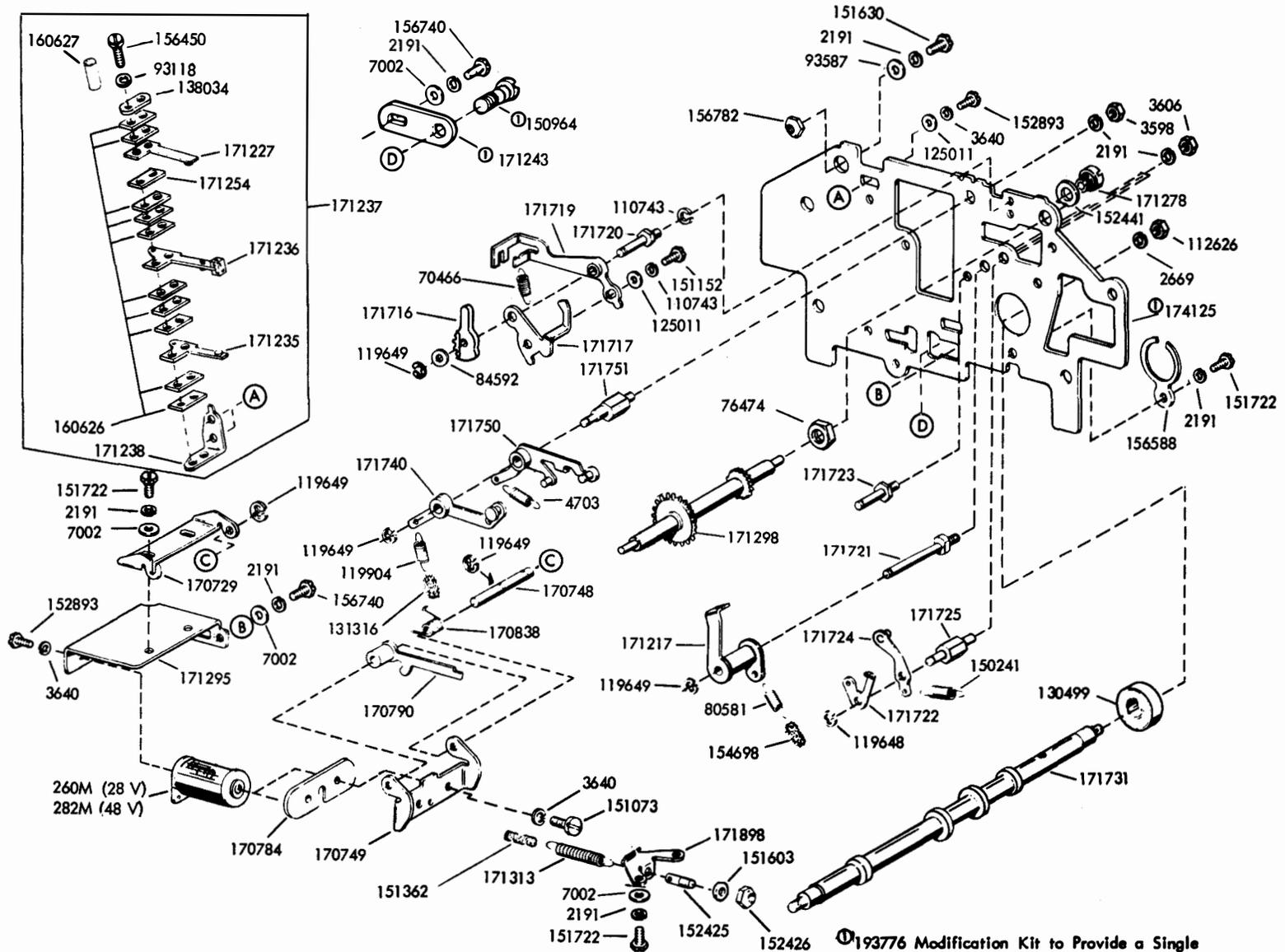


- ① 193775 Modification Kit to Provide New Style Feed Cam Follower
- ② 193776 Modification Kit to Provide a Single Piece Top Plate for the Tape Reader
- ③ Part of 193777 Modification Kit to Provide New Style Sensing Cam Follower
- ④ Peculiar to 8-Level Units with Armature Blocking Mechanism

For Early Design Parts See Fig. 10

- ⑤ Peculiar to 171255 Contact Assembly
- ⑥ Peculiar to 179521 Contact Assembly and 179515 Modification Kit (See Fig. 8)
- ⑦ Peculiar to 8 Level units with Make-Only Contacts
- ⑧ Old Style Parts

FIGURE 2. REAR PLATE MECHANISM



① 193776 Modification Kit to Provide a Single Piece Top Plate for the Tape Reader (For Early Design Parts See Fig. 10)

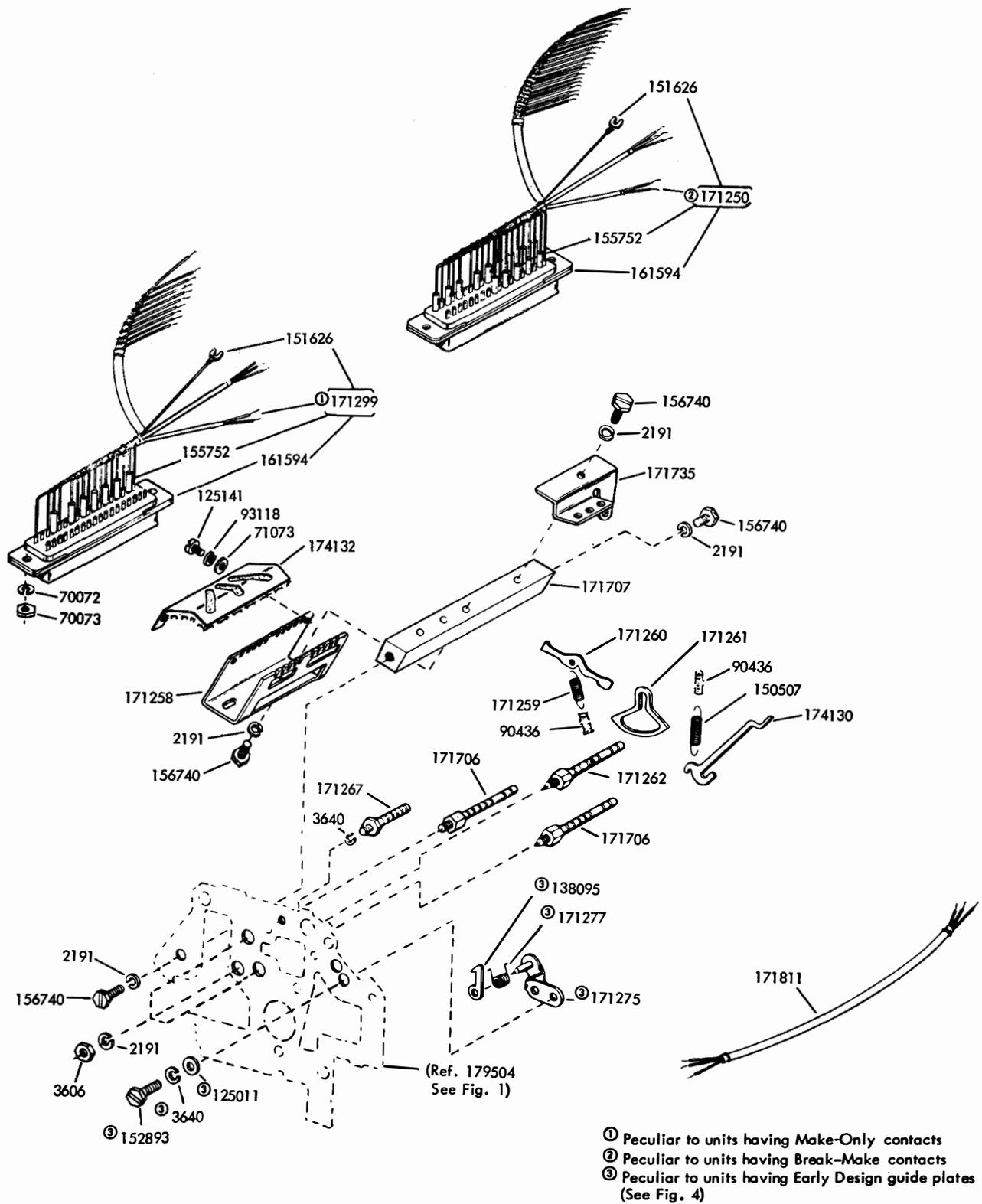
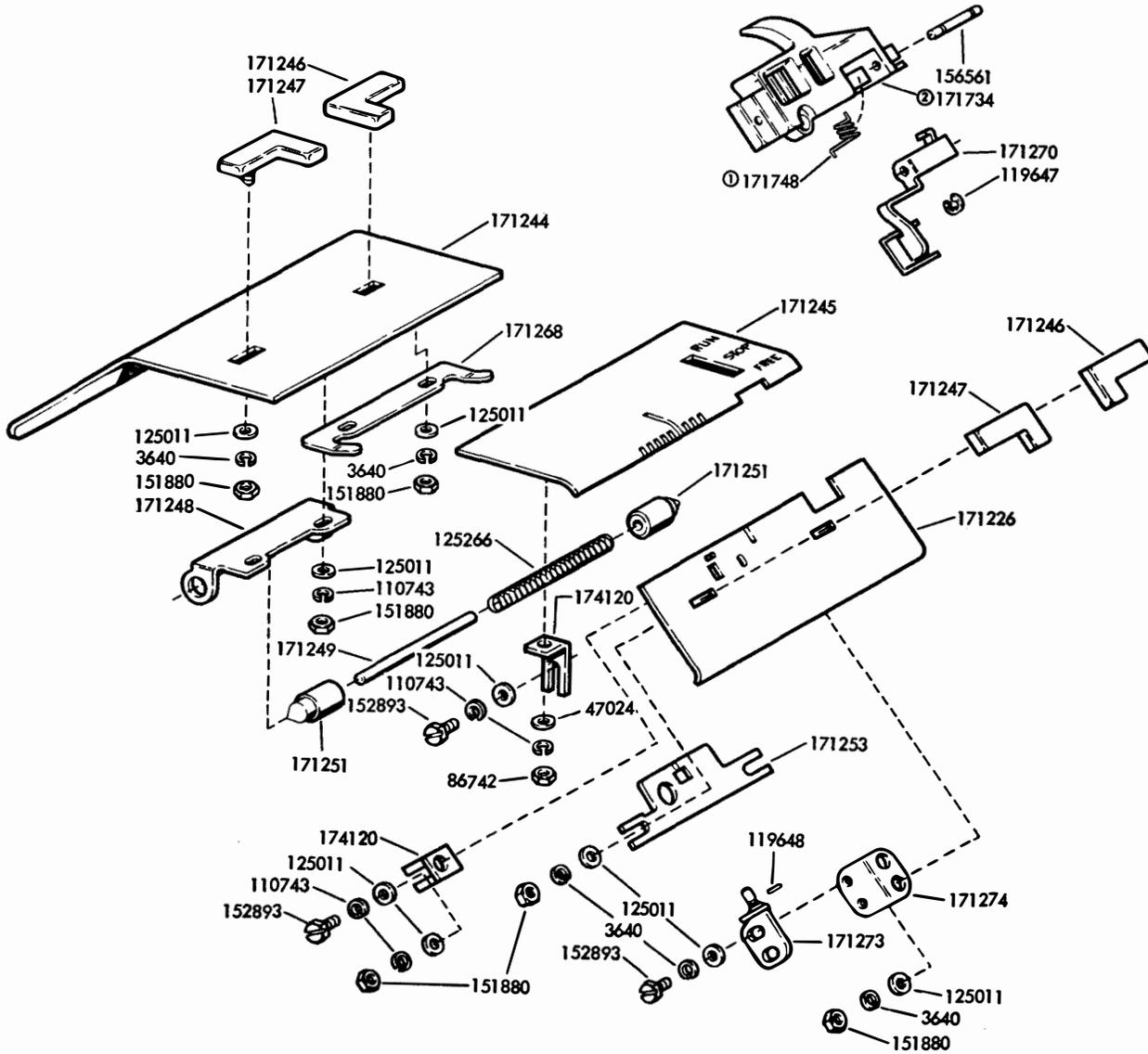
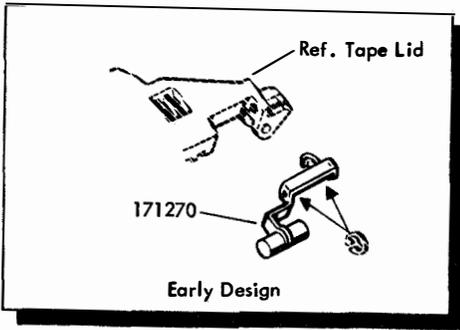


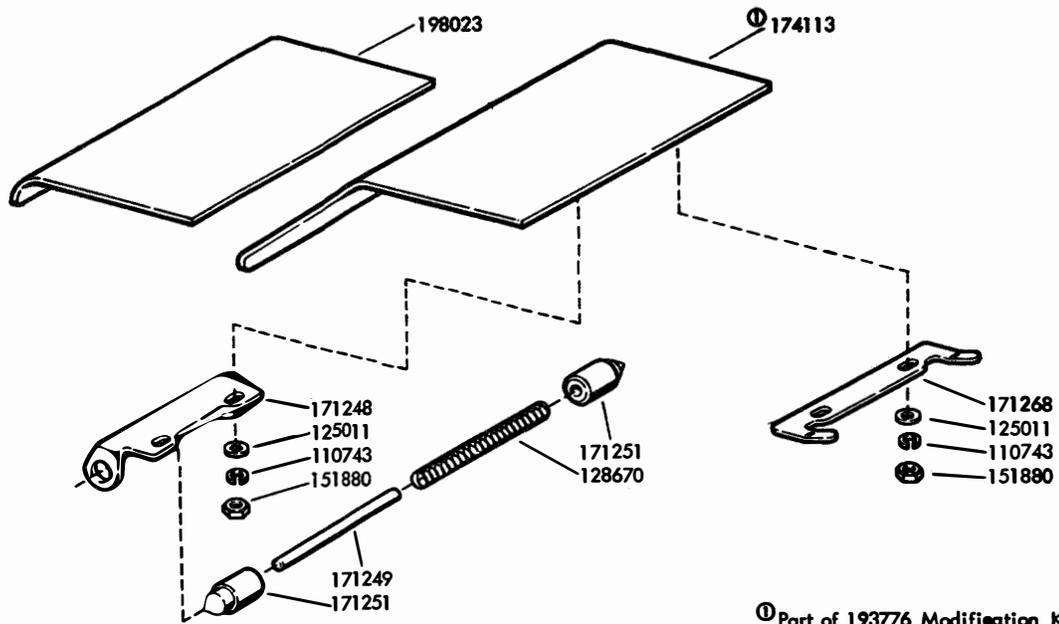
FIGURE 3. TRANSFER MECHANISM AND CABLE ASSEMBLIES



① Maintenance Only On
3 - Piece Top Plates

② Cancelled, Order 193776
Modification Kit

FIGURE 4. EARLY DESIGN GUIDE PLATES



① Part of 193776 Modification Kit to Provide a Single Piece Top Plate for the Tape Reader (For Early Design Parts See Fig. 4)

FIGURE 5. REAR PLATES

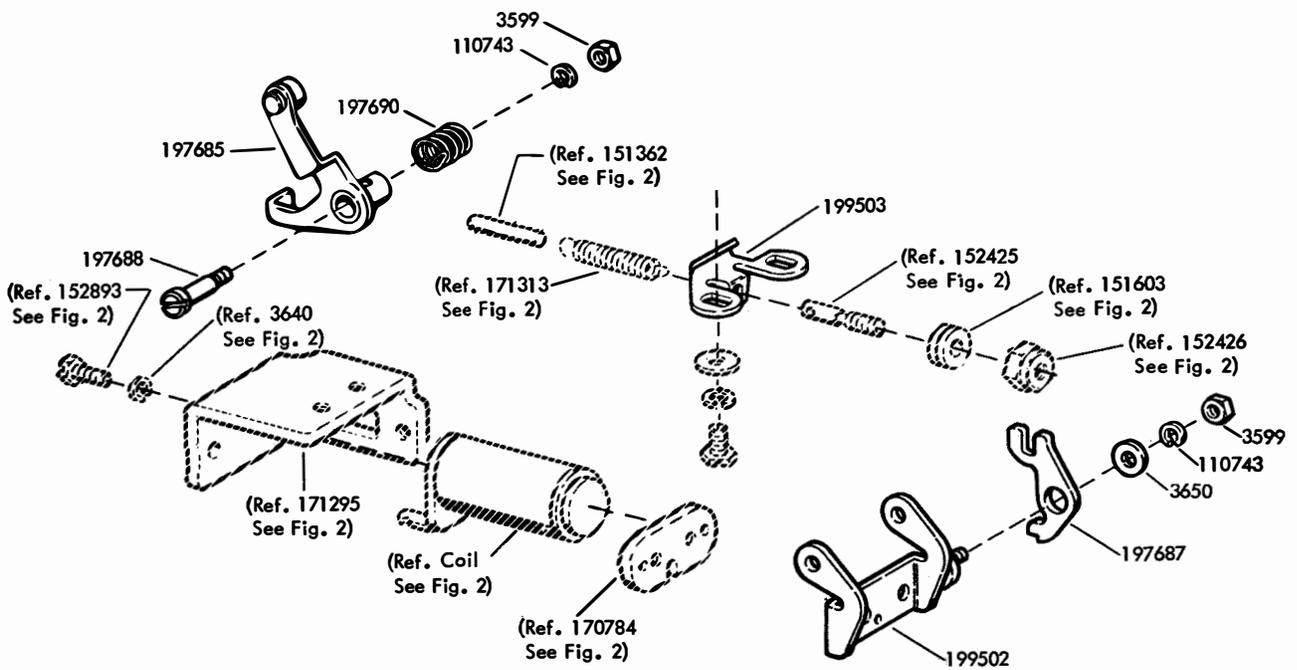


FIGURE 6. ARMATURE BLOCKING MECHANISM

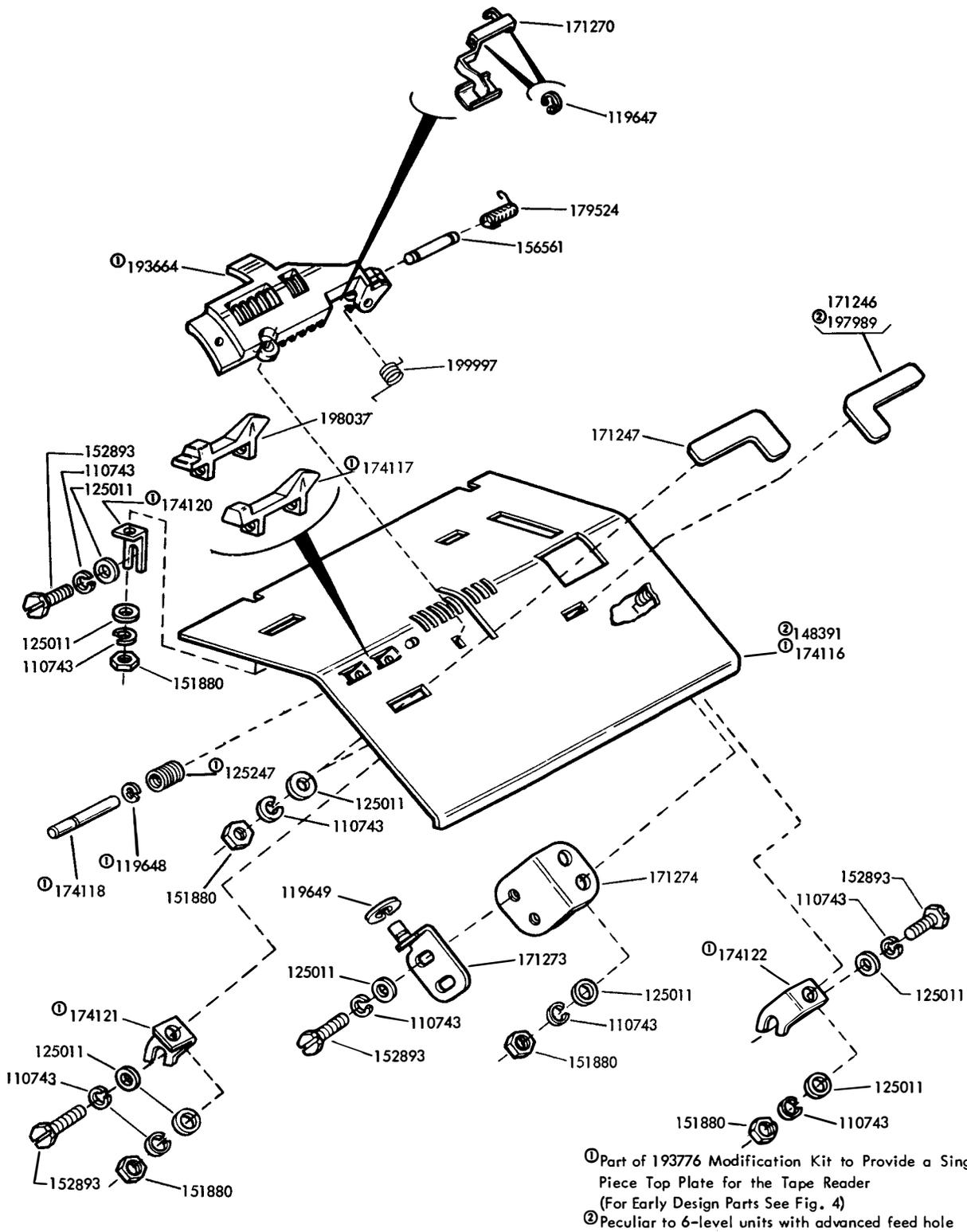
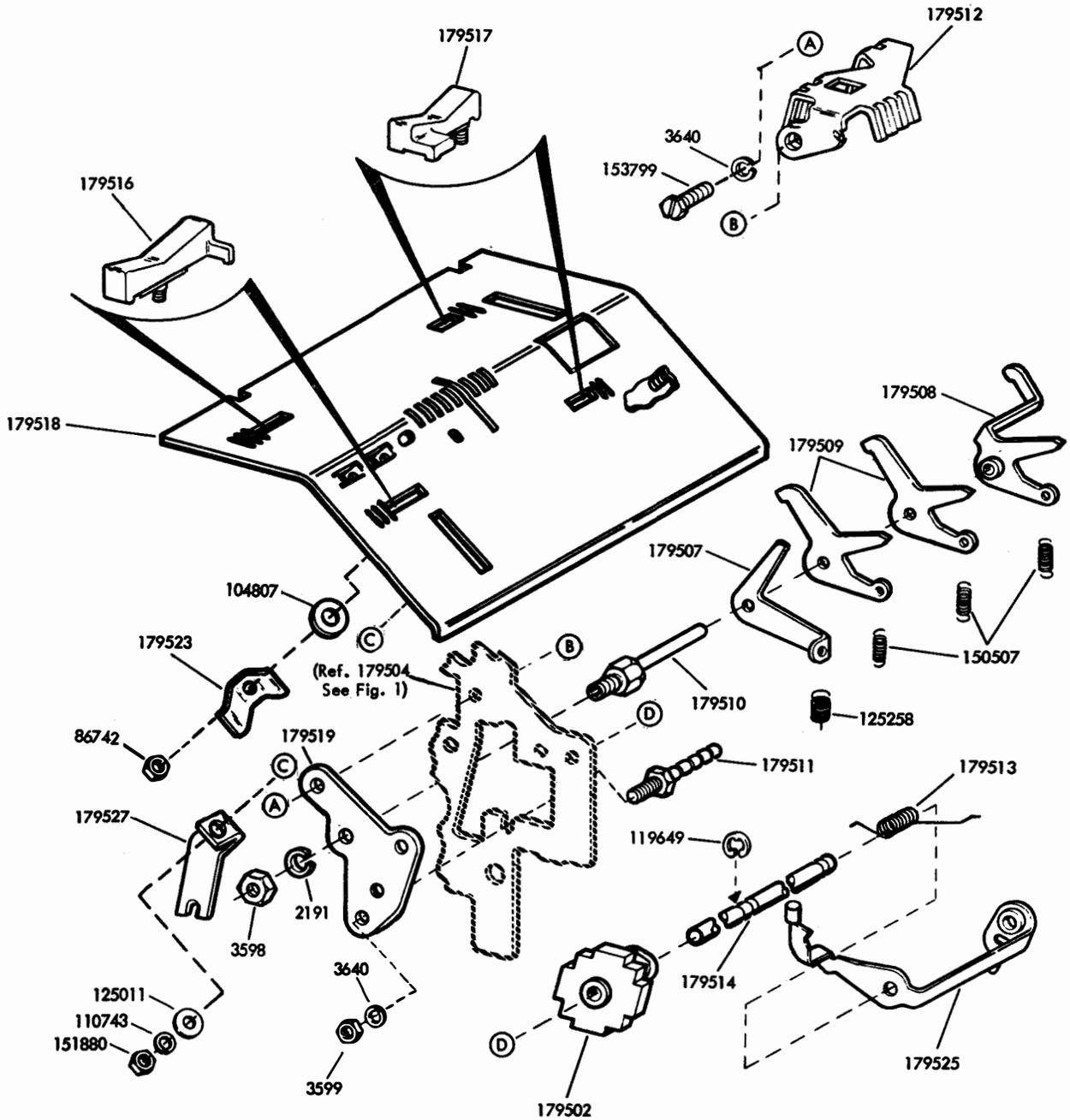


FIGURE 7. TAPE GUIDE PLATE MECHANISM



Specification 502135

FIGURE 8. 179515 MODIFICATION KIT TO CONVERT READER UNIT TO ALTERNATELY READ MULTI-LEVEL TAPES

GEAR SETS					
Gear Set No.	B ud	Code Level	W.P.M.	Ge r	Motor Pinion
171871	450	8	450	171845(44T)	171858(33T)
171872	450	7	500	171846(42T)	171859(35T)
171873	450	6	562.5	171847(32T)	171860(30T)
171874	450	5	642.85	171848(42T)	171861(45T)
171875	600	8	600	171849(40T)	171862(40T)
171876	600	7	666.67	171850(36T)	171863(40T)
171877	600	6	750	171851(36T)	171864(45T)
171264	600	5	857.14	171266(35T)	171265(50T)
171877	750	8	750	171851(36T)	171864(45T)
171878	750	7	833.33	171852(36T)	171865(50T)
171879	750	6	937.5	171853(32T)	171866(50T)
171880	750	5	1071.42	171854(28T)	171867(50T)
①146955	750	5	1071.42	146957(28T)	146956(60T)
171881	900	8	900	171855(30T)	171868(45T)
171882	900	7	1000	171856(32T)	171869(50T)
171883	1050	8	1050	171857(28T)	171870(49T)

① 50 cycle, AC current,
motor speed 3000 RPM

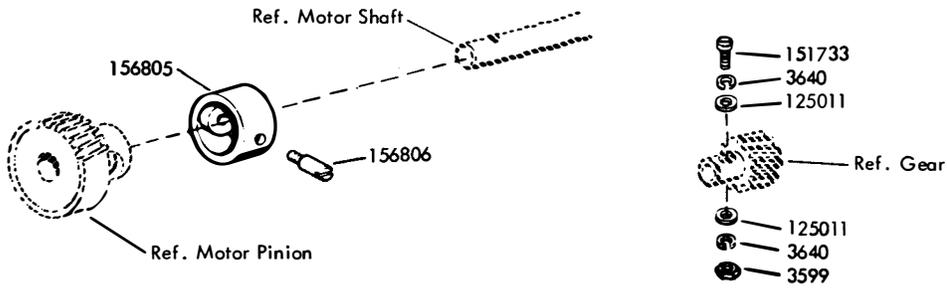
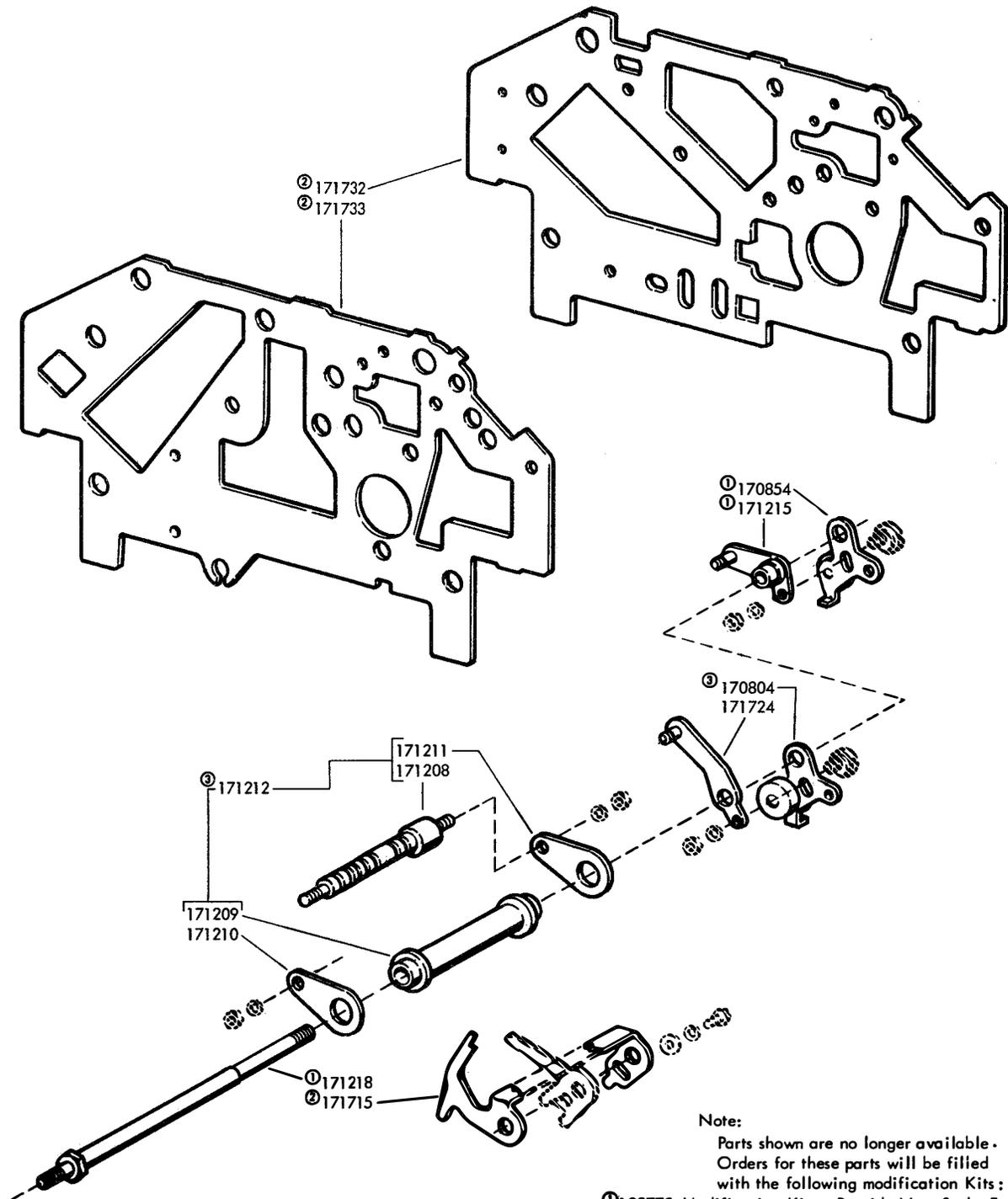


FIGURE 9. GEAR SETS



Note:

Parts shown are no longer available.
Orders for these parts will be filled
with the following modification Kits:

- ① 193775 Modification Kit to Provide New Style Feed Cam Follower (See Fig. 1)
- ② 193776 Modification Kit to Provide a Single Piece Top Plate for the Tape Reader (See Figs. 1, 2, 5 & 7)
- ③ 193777 Modification Kit to Provide New Style Sensing Cam Follower (See Fig. 1)

FIGURE 10. EARLY DESIGN PARTS

NUMERICAL INDEX

Port Number	Description and Page Number	Port Number	Description and Page Number	Part Number	Description and Page Number
260M	Coil, Magnet 4	149990	Plate, Nut 3	171210	Arm, Front 11
261M	Coil, Magnet 3	150241	Spring 4	171211	Arm, Rear 11
282M	Coil, Magnet 4	150507	Spring 5, 9	171212	Boil Assembly, Sensing 11
2191	Washer, Lock 3, 4, 5, 9	150964	Screw, Shoulder (6-40) 4	171215	Lever 11
2669	Washer, Lock 3, 4	151073	Screw (4-40 x 5/32 Fil) 4	171217	Lever, Stop 4
3598	Nut (6-40 Hex) 3, 4, 9	151152	Screw (4-40 x 3/16 Hex) 3, 4	171218	Shaft, Sensing Bail 11
3599	Nut (4-40 Hex) 3, 7, 9, 10	151362	Wick, Felt 4,7	171226	Plate, Front 6
3606	Nut (6-40 Hex) 4, 5	151603	Spacer 4,7	171227	Spring, Contact 3, 4
3640	Washer, Lock 3, 4, 5, 6, 7, 9, 10	151626	Terminal 5	171235	Spring, Contact 3, 4
3650	Washer, Flat 7	151630	Screw (6-40 x 1/4 Hex) 3, 4	171236	Spring, Contact 3, 4
4703	Spring 4	151631	Screw (6-40 x 5/16 Hex) 3	171237	Contact Assembly 4
4812	Wick, Felt 3	151688	Screw (4-40 x 5/8 Fil) 3	171238	Bracket, Contact Mounting 4
7002	Washer, Flat 3, 4	151722	Screw (6-40 x 3/16 Hex) 3, 4	171243	Plate, Adjusting 4
34432	Washer, Flat 3	151733	Screw (4-40 x 9/16 Fil) 10	171244	Plate, Rear 6
47024	Washer, Flat 6	151880	Nut (4-40 Hex) 3, 6 to 9	171245	Plate, Middle 6
70072	Washer, Lock 5	152425	Post, Spring 4,7	171246	Guide, Right 6, 8
70073	Nut (3-48 Hex) 5	152426	Nut, Self-Locking (6-40) 4, 7	171247	Guide, Left 6, 8
70466	Spring 4	152441	Washer, Flat 3, 4	171248	Bracket 6, 7
71073	Washer, Flat 5	152893	Screw (4-40 x 1/4 Hex) 3, 4, 5, 6, 7, 8	171249	Rod 6, 7
76474	Nut (10-32 Hex) 3, 4	153537	Screw (6-40 x 9/32 Hex) 3	171250	Cable Assembly 5
80581	Spring 4	153799	Screw (4-40 x 21/64 Hex) 9	171251	Plunger 6, 7
84592	Shim (.004") 4	154698	Wick, Felt 4	171252	Pawl, Feed 3
86742	Nut (4-40 Hex) 6, 9	155752	Sleeve, Insulating (5/64 ID x 1/2" Lg) 5	171253	Plate, Wear 6
90436	Wick, Felt 5	156450	Screw (2-56 x 1/2 Fil) 3, 4	171254	Insulator (.015") 3, 4
92265	Screw (2-56 x 1/8 Rd) 3	156501	Screw (6-40 x 7/32 Fil) 3	171255	Contact Assembly 3
92687	Washer, Flat 3	156561	Shaft 6, 8	171256	Brocket 3
93118	Washer, Lock 3, 4, 5	156588	Ring, Retaining 4	171257	Brocket, Contact 3
93587	Washer, Flat 3, 4	156740	Screw (6-40 x 7/32 Hex) 3, 4, 5	171258	Guide, Actuator Bar 5
101591	Wick, Felt 3	156782	Nut (6-40 Spl) 3, 4	171259	Spring 5
104807	Washer, Flat 9	156805	Retainer, Pinion 10	171260	Bar, Actuator 5
110743	Washer, Lock 3, 4, 6, 7, 8, 9	156806	Post 10	171261	Lever, Transfer 5
112626	Nut (10-32 Hex) 3, 4	156831	Clamp 3	171262	Post, Guide 5
112630	Spring 3	156832	Plate 3	171264	Gear Set 10
119647	Ring, Retaining 6, 8	160626	Insulator (.031") 3, 4	171265	Pinion (50T) 10
119648	Ring, Retaining 3, 4, 6, 8	160627	Bushing, Insulating 3, 4	171266	Gear (35T) 10
119649	Ring, Retaining 3, 4, 8, 9	161594	Connector, Plug (36 Pt) 5	171267	Post, Spring 5
119904	Spring 4	164119A	Plate, Identification 3	171268	Plate 6, 7
125011	Washer, Flat 3, 4, 5, 6, 7, 8, 9, 10	170729	Bracket 4	171270	Bail, Tape 6, 8
125141	Screw (2-56 x 7/64 Fil) 5	170748	Shaft 4	171273	Bracket W/Post 6, 8
125247	Spring, Compression 8	170749	Bail, Armature 4	171274	Bracket 6, 8
125258	Spring 9	170784	Armature 4,7	171275	Bracket, Latch 5
125266	Spring, Compression 6	170790	Lever, Blocking 4	171277	Spring, Torsion 5
128670	Spring, Compression 7	170804	Follower, Sensing Cam 11	171278	Bearing, Screw 3,4
129546	Spring 3	170838	Spring, Torsion 4	171282	Flywheel W/Magnet 3
130499	Bearing, Ball 3, 4	170854	Follower, Feed Cam 11	171283	Plate, Mounting 3
131316	Wick, Felt 4	171208	Shaft, Eccentric 11	171285	Plate, Nut 3
138034	Plate, Clamp 3, 4	171209	Sleeve 11	171286	Bracket, Mounting 3
138095	Latch, Tape Lid 5			171288	Post 3
146955	Gear Set 10			171289	Plate, Mounting 3
146956	Pinion (60T) 10			171290	Plate, Mounting 3
146957	Gear (28T) 10			171291	Screw, Eccentric (4-40) 3
148391	Plate, Tape Guide 8			171295	Bracket, Magnet Mounting 4,7
149989	Bracket, Coil Mounting 3			171298	Wheel, Feed 4
				171299	Cable Assembly 5
				171313	Spring 4,7

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
171706	Post, Guide 5	171859	Pinion (35T) 10	179504	Plate, Front 3,5,9
171707	Post 5	171860	Pinion (30T) 10	179507	Lever, Detent 9
171713	Shaft 3	171861	Pinion (45T) 10	179508	Lever, Offset Code 9
171714	Lever 3	171862	Pinion (40T) 10	179509	Lever, Code 9
171715	Pin, Sensing 11	171863	Pinion (40T) 10	179510	Post, Lever 9
171716	Lever, Start-Stop 4	171864	Pinion (45T) 10	179511	Post, Spring 9
171717	Lever 4	171865	Pinion (50T) 10	179512	Bracket, Guide 9
171719	Lever 4	171866	Pinion (50T) 10	179513	Spring, Torsion 9
171720	Post 4	171866	Pinion (50T) 10	179514	Shaft 9
171721	Shaft, Stop Lever 4	171867	Pinion (50T) 10	179515	Modification Kit 1,3,9
171722	Lever 4	171868	Pinion (45T) 10	179516	Guide, Left Tape 9
171723	Post, Eccentric 4	171869	Pinion (50T) 10	179517	Guide, Right Tape 9
171724	Detent, Start-Stop 4, 11	171870	Pinion (49T) 10	179518	Plate, Tape Guide 9
171725	Post 4	171871	Gear Set 10	179519	Plate, Mounting 9
171730	Contact Assembly 3	171872	Gear Set 10	179520	Bracket, Contact 3
171731	Camshaft 4	171873	Gear Set 10	179521	Contact Assembly 3
171732	Plate, Rear 11	171874	Gear Set 10	179523	Spring, Tape Guide 9
171733	Plate, Front 11	171875	Gear Set 10	179524	Spring, Torsion 8
171734	Lid, Tape 6	171876	Gear Set 10	179525	Lever, Sensing 9
171735	Bracket, Spring Anchor 5	171877	Gear Set 10	179527	Bracket, Front Mounting 9
171740	Lever, Detent 4	171878	Gear Set 10	179711	Follower, Feed Cam 3
171747	Spring, Torsion 3	171879	Gear Set 10	193664	Lid, Tape 8
171748	Spring, Torsion 6	171880	Gear Set 10	193670	Shaft, Sensing Bail 3
171750	Lever, Control 4	171881	Gear Set 10	193671	Lever 3
171751	Post, Eccentric 4	171882	Gear Set 10	193672	Bail Assembly, Sensing 3
171811	Cable 5	171883	Gear Set 10	193673	Follower, Sensing Cam 3
171813	Plate, Identification 3	171884	Contact Assembly 3	193775	Modification Kit 3, 11
171814	Plate, Identification 3	171898	Bracket, Spring Anchor 4	193776	Modification Kit 3,4,6,7,8,11
171845	Gear (44T) 10	174113	Plate, Rear 7	193777	Modification Kit 3, 11
171846	Gear (42T) 10	174116	Plate, Tape Guide 8	197685	Lever, Blocking 7
171847	Gear (32T) 10	174117	Latch, Slide 8	197687	Lever, Latch 7
171848	Gear (42T) 10	174118	Shaft 8	197688	Screw, Shoulder (4-40) 7
171849	Gear (40T) 10	174120	Bracket 6, 8	197690	Spring, Torsion 7
171850	Gear (36T) 10	174121	Bracket, Front 8	197989	Guide, Right 8
171851	Gear (36T) 10	174122	Bracket, Rear 8	198023	Plate, Top 7
171852	Gear (36T) 10	174125	Plate, Rear 4	198037	Latch, Slide 8
171853	Gear (32T) 10	174127	Pin, Sensing 3	199230	Bracket 3
171854	Gear (28T) 10	174130	Pin, Sensing 5	199502	Bail, Armature 7
171855	Gear (30T) 10	174132	Bracket 5	199503	Bracket, Spring Anchor 7
171856	Gear (32T) 10	179151	Post 3	199813	Pawl, Feed 3
171857	Gear (28T) 10	179152	Post 3	199997	Spring, Torsion 8
171858	Pinion (33T) 10	179502	Cam, Dial Numbering 9		