

HIGH SPEED TAPE READER (CX)

PARTS

FIGURE	CONTENTS	PAGE
1	Front Plate Mechanism	3
2	Front Plate Mechanism (Continued)	4
3	Rear Plate Mechanism	5
4	Transfer Mechanism and Cable Assemblies	6
5	Early Design Guide Plates	7
6	Rear Plates	8
7	Armature Blocking Mechanism	8
8	Tape Guide Plate Mechanism	9
9	179515 Modification Kit to Convert Reader Unit to Alternately Read Multi-Level Tapes	10
10	Gear Sets	11
11	Early Design Parts	12
	Numerical Index	13

TELETYPE TO BELL SYSTEM CODE CROSS REFERENCE CHART		
Unit Description	Teletype Code	Bell System Code
Tape Reader	CX1	1A
	CX802	2A
	CX803	5A
Gears	171883	1G

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

VARIATIONS IN THE HIGH SPEED READER																
Reader Unit	CX	1	2	600	601	602	603	700	701	800	801	802	803	804	805	806
Code Level	Five Six Seven Eight	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Make-Only Contacts		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Break-Make Contacts		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Width of Tape	11/16"	X	X									X	X	X		
	7/8"			X	X	X	X	X	X			X	X	X		
	1"									X	X	X	X	X	X	X
Armature Blocking Mechanism						X	X							X		
Advanced Feed Hole																
48 Volt Magnet Operation													X			

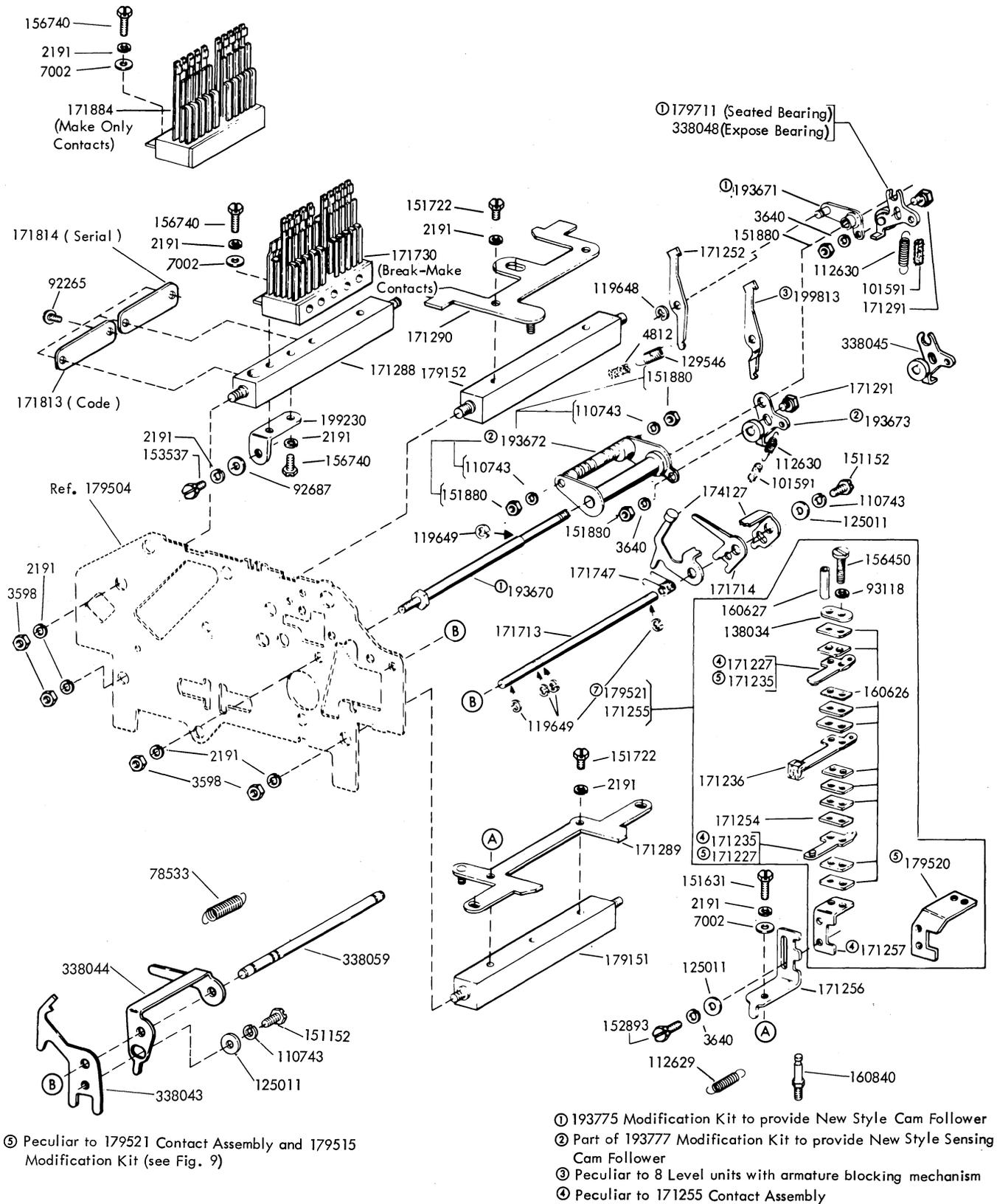
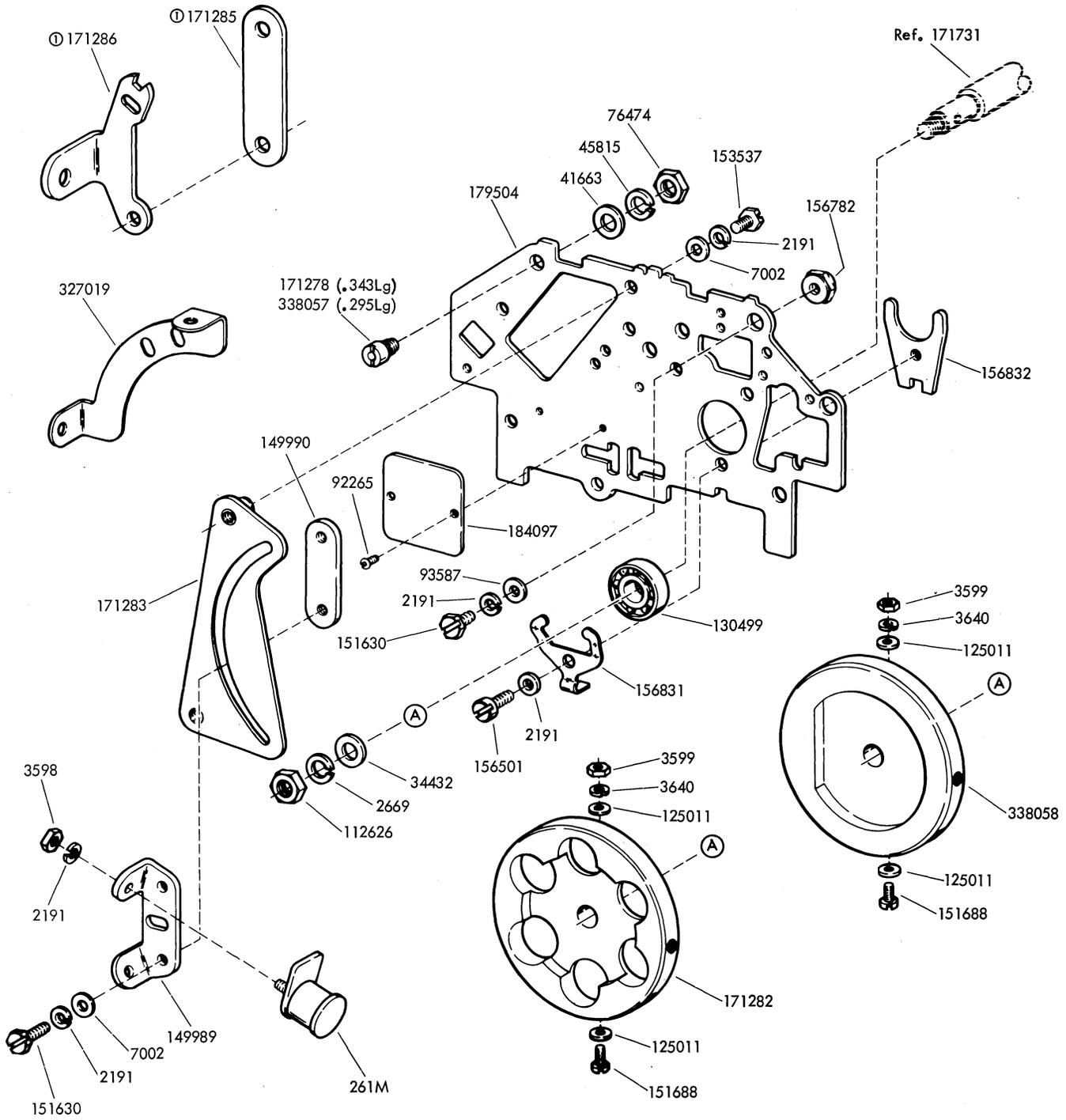


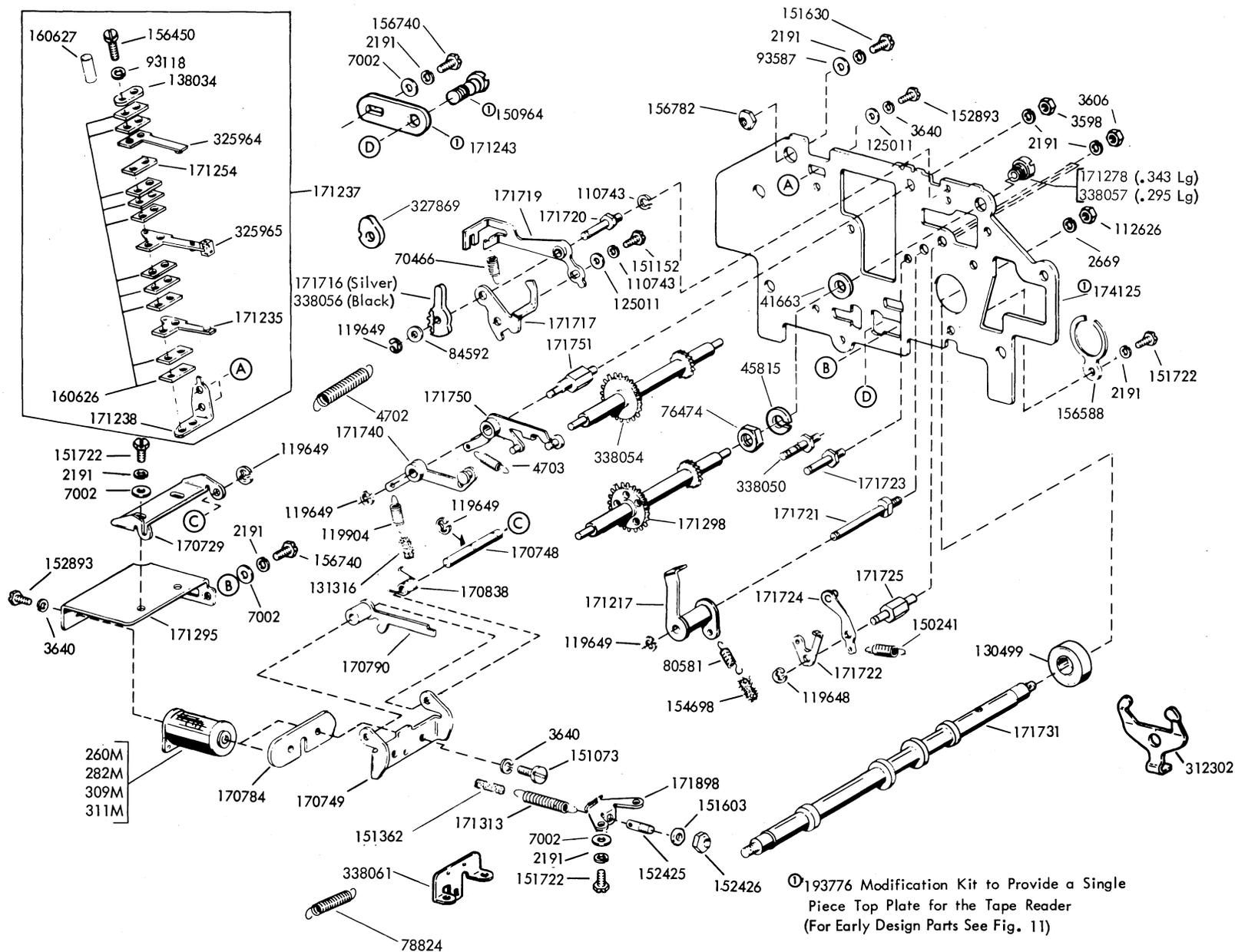
FIGURE 1. FRONT PLATE MECHANISM



Ⓐ Old Style Parts

FIGURE 2. FRONT PLATE MECHANISM (Continued)

FIGURE 3. REAR PLATE MECHANISM



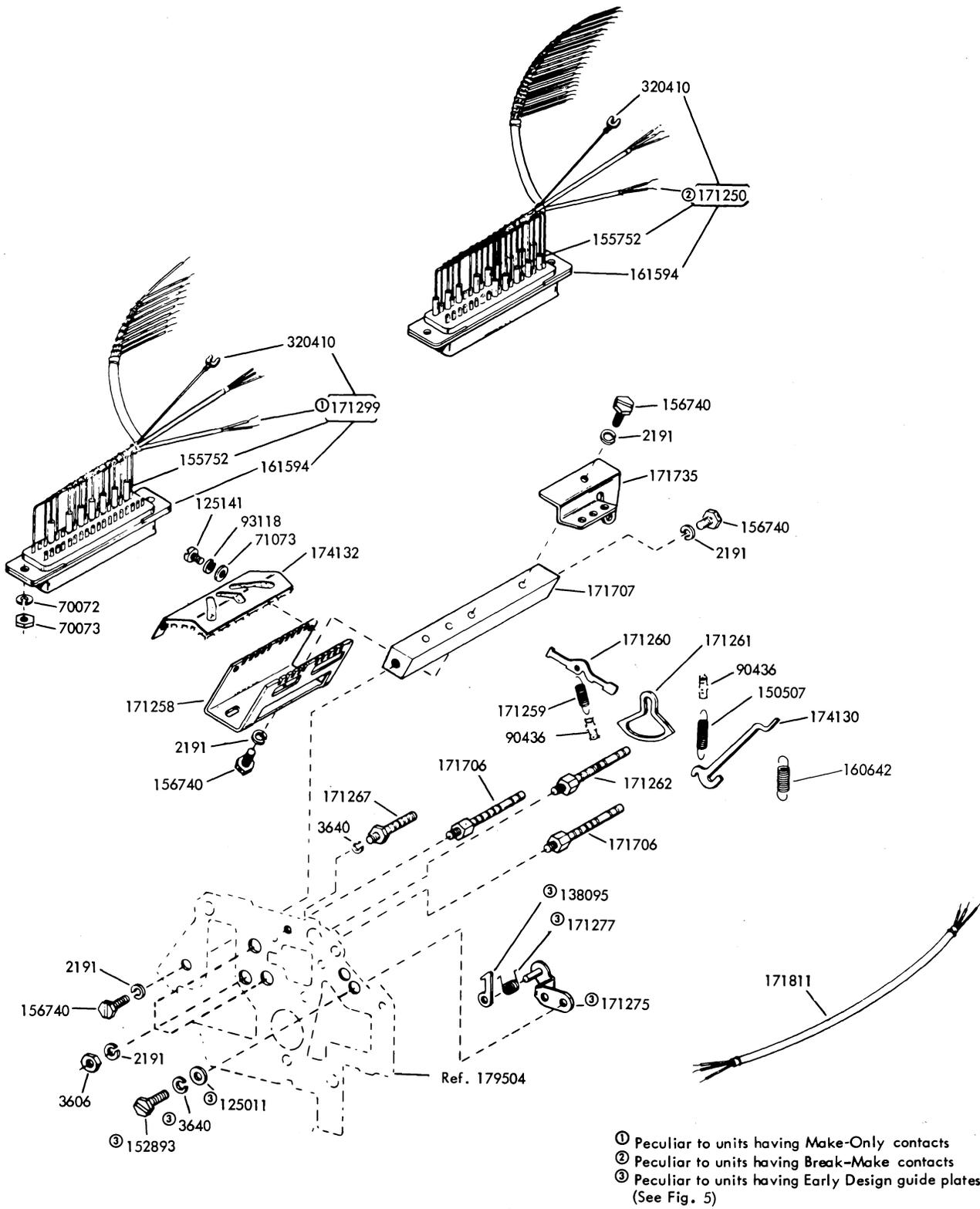
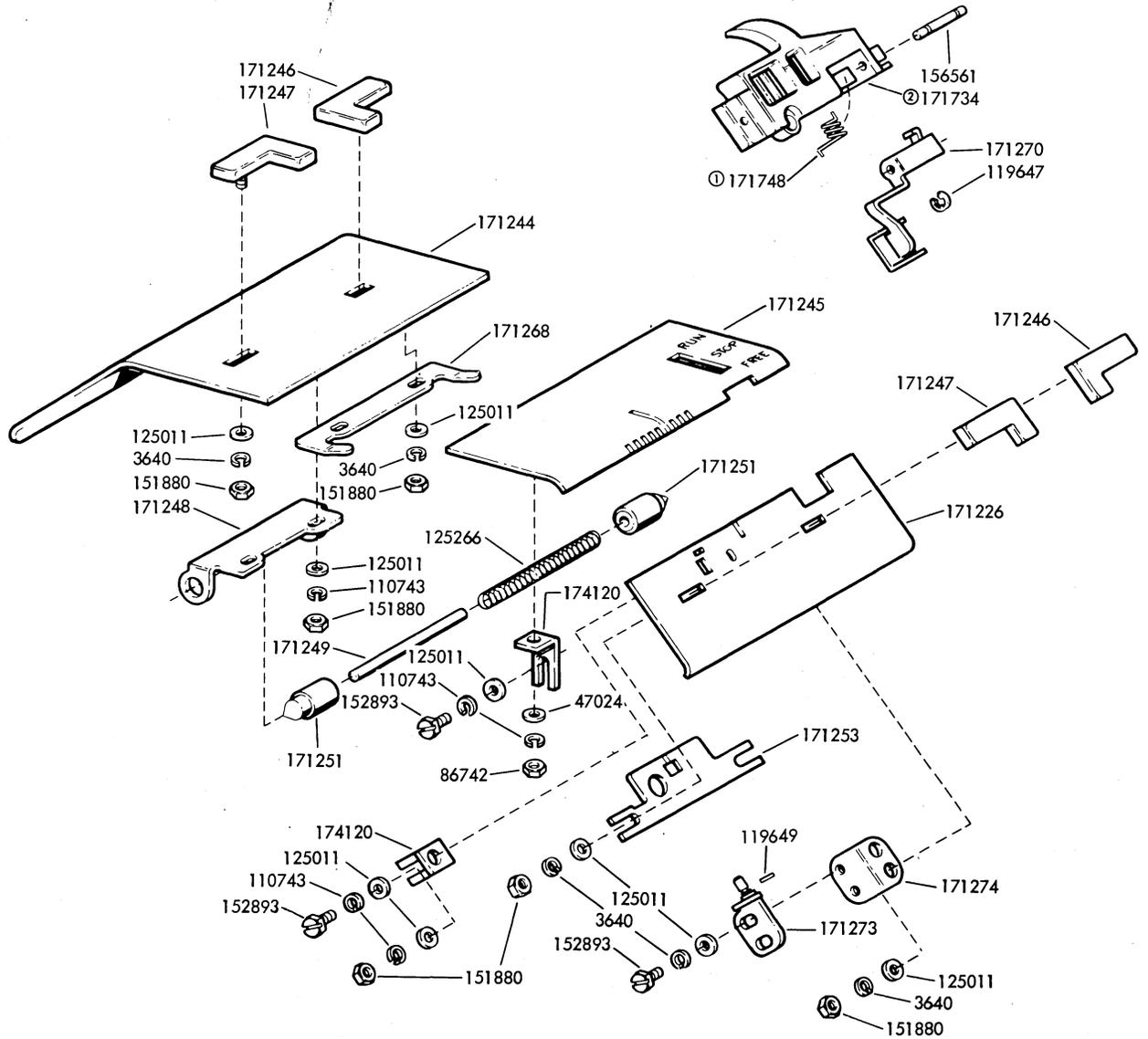
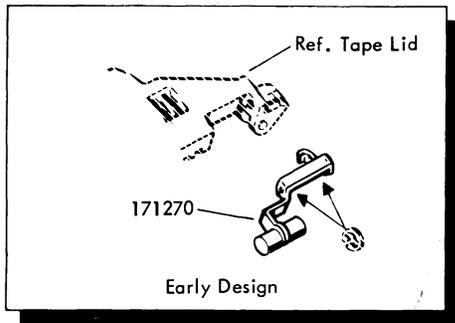


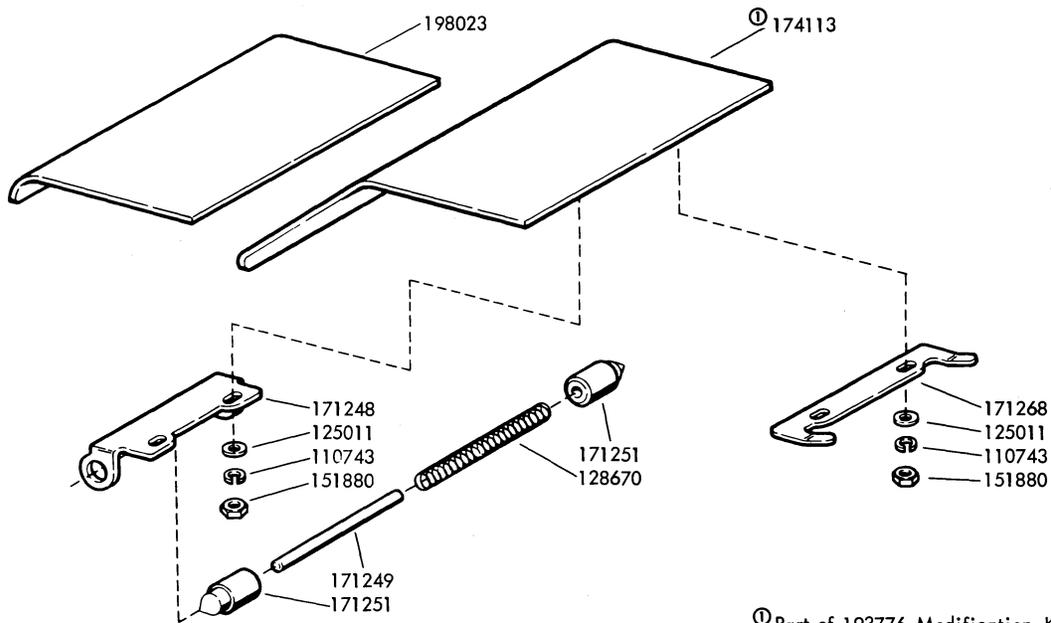
FIGURE 4. TRANSFER MECHANISM AND CABLE ASSEMBLIES



① Maintenance Only On
3 - Piece Top Plates

② Cancelled, Order 193776
Modification Kit

FIGURE 5. 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. 5)

FIGURE 6. REAR PLATES

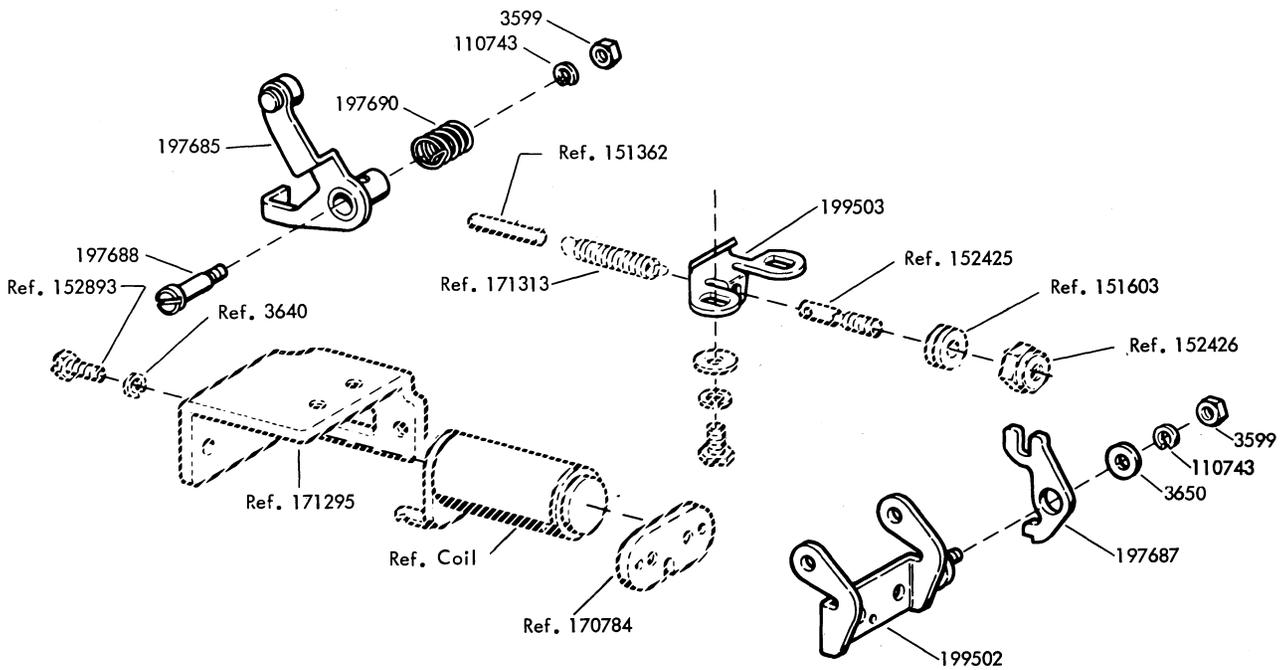
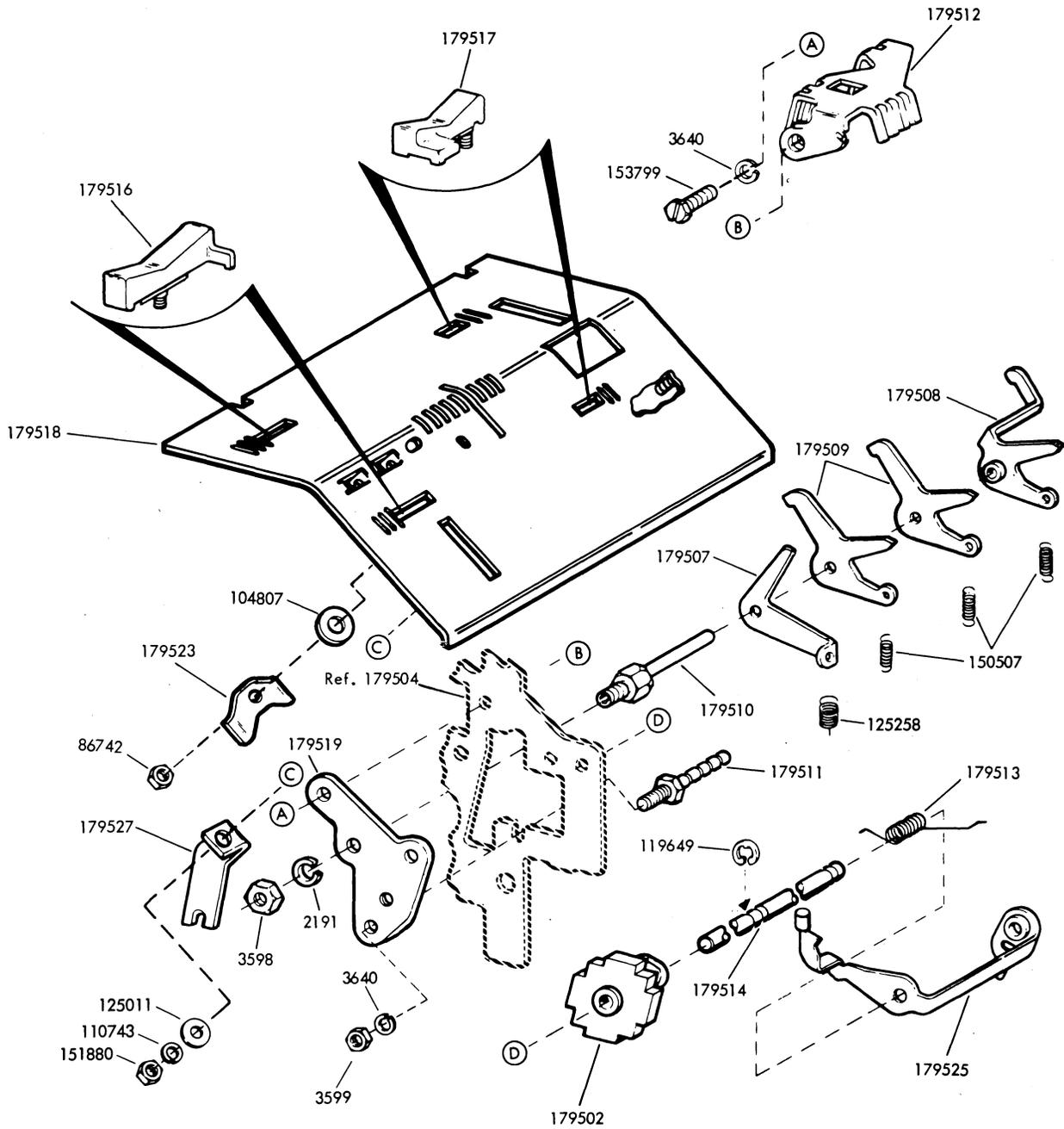


FIGURE 7. ARMATURE BLOCKING MECHANISM



Specification 50213S

FIGURE 9. 179515 MODIFICATION KIT TO CONVERT READER UNIT TO ALTERNATELY READ MULTI-LEVEL TAPES

GEAR SETS					
Gear Set No.	Baud	Code Level	W.P.M.	Gear	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)
326604	300	5	428.57	326605(42T)	326606(36T)
327405	300	5	428.57	327403(49T)	327404(35T)

① 50 Hertz, AC Current,
Motor Speed 3000RPM

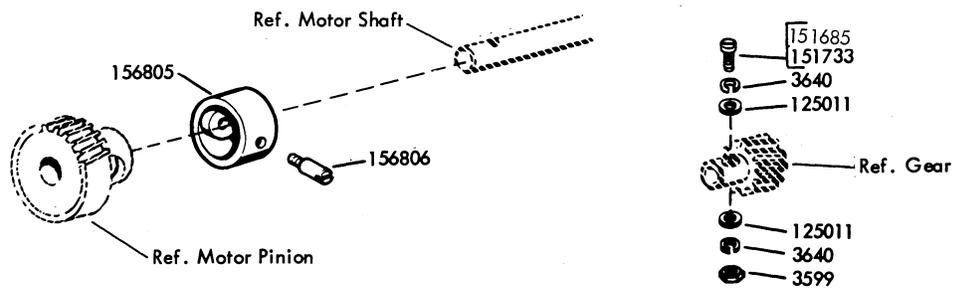
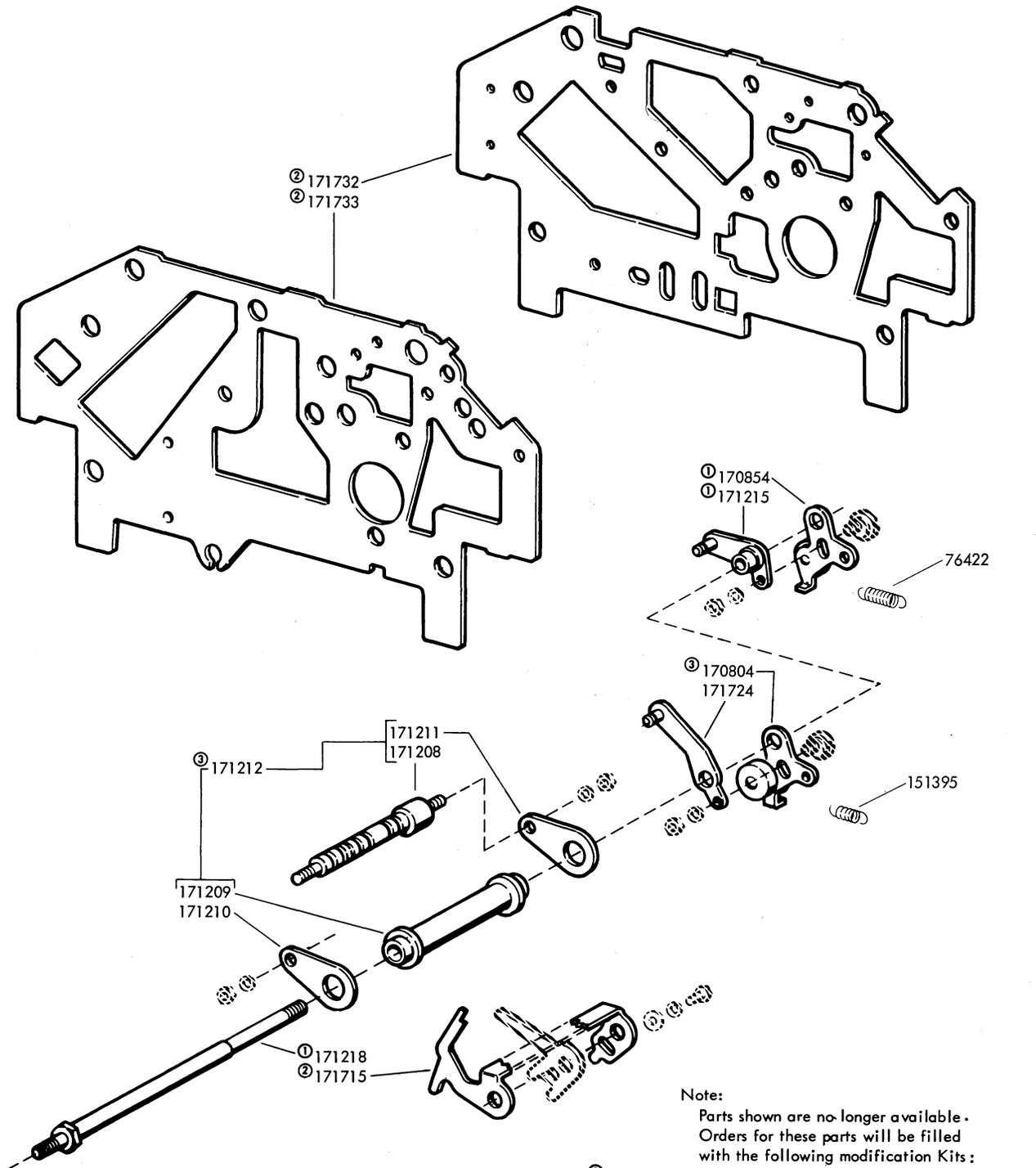


FIGURE 10. GEAR SETS



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, 3, 6 & 8)
- ③ 193777 Modification Kit to Provide New Style Sensing Cam Follower (See Fig. 1)

FIGURE 11. EARLY DESIGN PARTS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
260M	Coil, Magnet 5	125141	Screw, 2-56 x 7/64 Fil 6	156740	Screw, 6-40 x 7/32 Hex 3, 5,6
261M	Coil, Magnet 4	125247	Spring, Compression 9	156782	Nut, 6-40 Spl 4,5
282M	Coil, Magnet 5	125258	Spring 10	156805	Retainer 11
309M	Coil, Magnet 5	125266	Spring, Compression 7	156806	Post 11
311M	Coil, Magnet 5	128670	Spring, Compression 8	156831	Clamp 4
2191	Lockwasher 3,4,5,6,10	129546	Spring 3	156832	Plate 4
2669	Lockwasher 4,5	130499	Bearing, Ball 4,5	160626	Insulator, .031" Thk 3, 5
3598	Nut, 6-40 Hex 3,4,5,10	131316	Connector, 37 Pt Receptacle 5	160627	Bushing, Insulator 3,5
3599	Nut, 4-40 Hex 4,8,10,11	138034	Plate, Clamp 3,5	160642	Spring 6
3606	Nut, 6-40 Hex 5,6	138095	Latch, Tape Lid 6	160840	Post, Anchor 3
3640	Lockwasher 3,4,5,6,7,8, 10,11	146955	Gear Set 11	161594	Connector, 36 Pt Plug 6
3650	Washer, Flat 8	146956	Pinion, 60T 11	164119	Plate, Identification
4702	Spring 5	146957	Gear, 28T 11	170729	Bracket 5
4703	Spring 5	148391	Plate, Tape Guide 9	170748	Shaft 5
4812	Wick, Felt 3	149989	Bracket 4	170749	Bail, Armature 5
7002	Washer, Flat 3,4,5	149990	Plate, Nut 4	170784	Armature 5,8
34432	Washer, Flat 4	150241	Spring 5	170790	Lever, Blocking 5
41663	Washer, Flat 4,5	150507	Spring 6,10	170804	Follower, Sensing Cam 12
45815	Lockwasher 4,5	150964	Screw, 6-40 Shoulder 5	170838	Spring, Torsion 5
47024	Washer, Flat 7	151073	Screw, 4-40 x 5/32 Fil 5	170854	Follower, Feed Cam 12
70072	Lockwasher 6	151152	Screw, 4-40 x 3/16 Hex 3,5	171208	Shaft, Eccentric 12
70073	Nut, 3-48 Hex 6	151362	Wick, Felt 5,8	171209	Sleeve 12
70466	Spring 5	151395	Spring 12	171210	Arm, Front 12
71073	Washer, Flat 6	151603	Spacer 5,8	171211	Arm, Rear 12
76422	Spring 12	151630	Screw, 6-40 x 1/4 Hex 4,5	171212	Bail Assembly, Sensing 12
76474	Nut, 10-32 Hex 4,5	151631	Screw, 6-40 x 5/16 Hex 3	171215	Lever 12
78533	Spring 3	151685	Screw, 4-40 x 5/16 Fil 11	171217	Lever, Stop 5
78824	Spring 5	151688	Screw, 4-40 x 5/8 Fil 4	171218	Shaft, Sensing Bail 12
80581	Spring 5	151722	Screw, 6-40 x 3/16 Hex 3, 5	171226	Plate, Front 7
84592	Shim, .004" Thk 5	151733	Screw, 4-40 x 9/16 Fil 11	171227	Spring, Contact 3
86742	Nut, 4-40 Hex 7,10	151733	Screw, 4-40 x 9/16 Fil 11	171235	Spring, Contact 3,5
90436	Wick, Felt 6	151880	Nut, 4-40 Hex 3,7,8,9,10	171236	Spring, Contact 3
92265	Screw, 6-32 x 2-1/4 Rd 3,4	152425	Post, Spring 5,8	171237	Contact Assembly 5
92687	Washer, Flat 3	152426	Nut, 6-40 Self-Locking 5, 8	171238	Bracket, Contact Mounting 5
93118	Lockwasher 3,5,6	152893	Screw, 4-40 x 1/4 Hex 3, 5,6,7,8,9	171243	Plate, Adjusting 5
93587	Washer, Flat 4,5	153537	Screw, 6-40 x 9/32 Hex 3, 4	171244	Plate, Rear 7
101591	Wick, Felt 3	153799	Screw, 4-40 x 21/64 Hex 10	171245	Plate, Middle 7
104807	Washer, Flat 10	154698	Wick, Felt 5	171246	Guide, Right 7,9
110743	Lockwasher 3,5,7,8,9,10	155752	Gear, 28T 6	171247	Guide, Left 7,9
112626	Nut, 10-32 Hex 4,5	156450	Screw, 2-56 x 1/2 Fil 3, 5	171248	Bracket 7,8
112629	Spring 3	156501	Screw, 6-40 x 7/32 Fil 4	171249	Rod 7,8
112630	Spring 3	156561	Shaft 7,9	171250	Cable Assembly 6
119647	Ring, Retaining 7,9	156588	Ring, Retaining 5	171251	Plunger 7,8
119648	Ring, Retaining 3,5,9			171252	Pawl, Feed 3
119649	Ring, Retaining 3,5,7,9, 10			171253	Plate, Wear 7
119904	Spring 5			171254	Insulator, .015" Thk 3,5
125011	Washer, Flat 3,4,5,6,7,8, 9,10,11			171255	Contact Assembly 3

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
171256	Bracket 3	171740	Lever, Detent 5	174116	Plate, Tape Guide 9
171257	Bracket, Contact 3	171747	Spring, Torsion 3	174117	Latch, Slide 9
171258	Guide, Actuator Bar 6	171748	Spring, Torsion 7	174118	Shaft 9
171259	Spring 6	171750	Lever, Control 5	174120	Bracket 7,9
171260	Bar, Actuator 6	171751	Post, Eccentric 5	174121	Bracket, Front 9
171261	Lever, Transfer 6	171811	Cable 6	174125	Plate, Rear 5
171262	Post, Guide 6	171813	Plate, Identification 3	174127	Pin, Sensing 3
171264	Gear Set 11	171814	Plate, Identification 3	174130	Pin, Sensing 6
171265	Pinion, 50T 11	171845	Gear, 44T 11	174132	Bracket w/Wick 6
171267	Post, Spring 6	171846	Gear, 42T 11	179151	Guide, 7/8" Tape 3
171268	Plate 7,8	171847	Gear, 32T 11	179152	Post 3
171270	Bail, Tape 7,9	171848	Gear, 42T 11	179502	Cam, Dial Numbering 10
171273	Bracket w/Post 7,9	171849	Gear, 40T 11	179504	Plate, Front 3,4,6,10
171274	Bracket 7,9	171850	Gear, 36T 11	179507	Lever, Detent 10
171275	Bracket, Latch 6	171851	Gear, 36T 11	179508	Lever, Offset Code 10
171277	Spring, Torsion 6	171852	Gear, 36T 11	179509	Lever, Code 10
171278	Bearing, Screw 4,5	171853	Gear, 32T 11	179510	Post, Lever 10
171282	Flywheel w/Magnet 4	171854	Gear, 28T 11	179511	Post, Spring 10
171283	Plate, Mounting 4	171855	Gear, 30T 11	179512	Bracket, Guide 10
171285	Plate, Nut 4	171856	Gear, 30T 11	179513	Spring, Torsion 10
171286	Bracket, Mounting 4	171857	Gear, 28T 11	179514	Shaft 10
171288	Post 3	171858	Pinion, 33T 11	179515	Modification Kit 1,3,10
171289	Plate, Mounting 3	171859	Pinion, 35T 11	179516	Guide, Left Tape 10
171290	Plate, Mounting 3	171860	Pinion, 30T 11	179517	Guide, Right Tape 10
171291	Screw, 4-40 Eccentric 3	171861	Pinion, 45T 11	179518	Plate, Tape Guide 10
171295	Bracket, Magnet Mounting 5,8	171862	Pinion, 40T 11	179519	Plate, Mounting 10
171298	Wheel, Feed 5	171863	Pinion, 40T 11	179520	Bracket, Contact 3
171299	Cable Assembly 6	171864	Pinion, 45T 11	179521	Contact Assembly 3
171313	Spring 5,8	171865	Pinion, 50T 11	179523	Spring, Tape Guide 10
171706	Post, Guide 6	171866	Pinion, 50T 11	179524	Spring, Torsion 9
171707	Post 6	171867	Pinion, 50T 11	179525	Lever, Sensing 10
171713	Shaft 3	171868	Pinion, 45T 11	179527	Bracket, Front Mounting 10
171714	Lever 3	171869	Pinion, 50T 11	179711	Follower, Feed Cam 3
171715	Pin, Sensing 12	171870	Pinion, 49T 11	183095	Stud, Tape Guide 9
171716	Lever, Start-Stop 5	171871	Gear Set 11	184097	Plate 4
171717	Lever 5	171872	Gear Set 11	193664	Lid, Tape 9
171719	Lever w/Hub 5	171873	Gear Set 11	193671	Lever w/Bearing 3
171720	Post 5	171874	Gear Set 11	193670	Shaft, Sensing Bail 3
171721	Shaft, Stop Lever 5	171875	Gear Set 11	193672	Bail Assembly, Sensing 3
171722	Lever w/Hub 5	171876	Gear Set 11	193673	Follower, Sensing Cam 3
171723	Post, Eccentric 5	171877	Gear Set 11	193775	Modification Kit 3,12
171724	Detent, Start Stop 5,12	171878	Gear Set 11	193776	Modification Kit 5,7,8,9, 12
171725	Post 5	171879	Gear Set 11	193777	Modification Kit 3,12
171730	Contact Assembly 3	171880	Gear Set 11	197685	Lever, Blocking 8
171731	Camshaft 4,5	171881	Gear Set 11	197687	Lever, Latch 8
171732	Plate, Rear 12	171882	Gear Set 11	197688	Screw, 4-40 Shoulder 8
171733	Plate, Front 12	171883	Gear Set 11	197690	Spring, Torsion 8
171734	Lid, Tape 7	171884	Contact Assembly 3	197989	Guide, Right 9
171735	Bracket, Spring Anchor 6	171898	Bracket, Spring Anchor 5		
		174113	Plate, Rear 8		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
198023	Plate, Top 8	326605	Gear, 42T 11	338048	Follower 3
198037	Latch, Slide 9	326606	Pinion, 36T 11	338050	Post, Spring 5
199230	Bracket 3	327019	Bracket 4	338051	Plate, Tape Guide 9
199502	Bail, Armature 8	327403	Gear, 49T 11	338052	Post, Left Guide 9
199503	Bracket, Spring Anchor 8	327404	Pinion, 35T 11	338053	Lid, Tape 9
199813	Pawl, Feed 3	327405	Gear Set 11	338054	Wheel, Feed 5
199997	Spring, Torsion 9	327869	Spacer 5	338056	Lever 5
312302	Clamp 5	327870	Plate, Tape Guide 9	338057	Bearing 4,5
320410	Terminal, Spade Type 6	334902	Guide, Left 9	338058	Flywheel w/Magnet 4
325964	Spring, Contact 5	338043	Pin 3	338059	Shaft 3
325965	Spring, Contact 5	338044	Bail 3	338061	Bracket 5
326604	Gear Set 11	338045	Follower 3		