

HIGH SPEED TAPE PUNCH (BRPE)

PARTS

FIGURE	CONTENTS	PAGE
1	Rear Plate	2
2	Magnet and Toggle Link Mechanism	3
3	Punch and Feed Mechanism	4
4	Punch Block Assemblies	5
5	Main Shaft	6
6	Rear Plate and Magnet Pick-up	7
7	Chad Box	8
8	Front Cover	9
9	143062 Modification Kit to Provide Motor Mounting and Drive Parts (63.3 Characters-Per-Second)	10
10	Parts to Provide Operation of the BRPE with H/L RT Sets	11
11	143044 Modification Kit to Provide Motor Mounting and Drive Parts (110 Characters-Per-Second)	12
12	Gearsets for Units Mounted in AC Cabinets	13
13	175198 Modification Kit to Provide Motor Running Contacts for Reperforator (BRPE)	13
14	147623 (63.3 Characters-Per-Second) and 147624 (100 Characters-Per-Second) Modification Kits to Provide Drive Parts for 50 Cycle Operation	14
15	175194 Modification Kit to Provide Tape-out Contacts Ahead of Reperforator (BRPE)	15
16	Cable Components	15
	Numerical Index	16

FIGURE 1. REAR PLATE

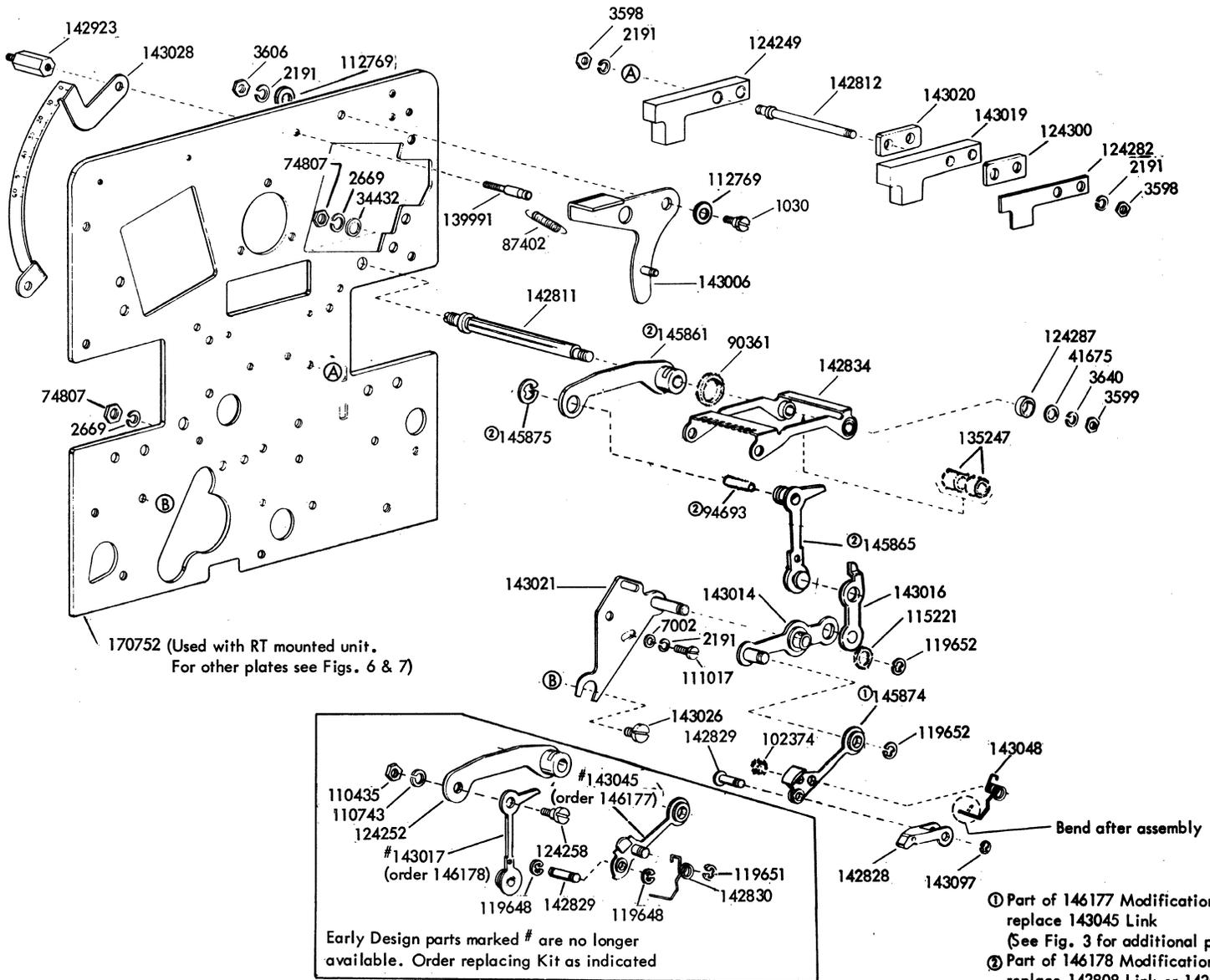
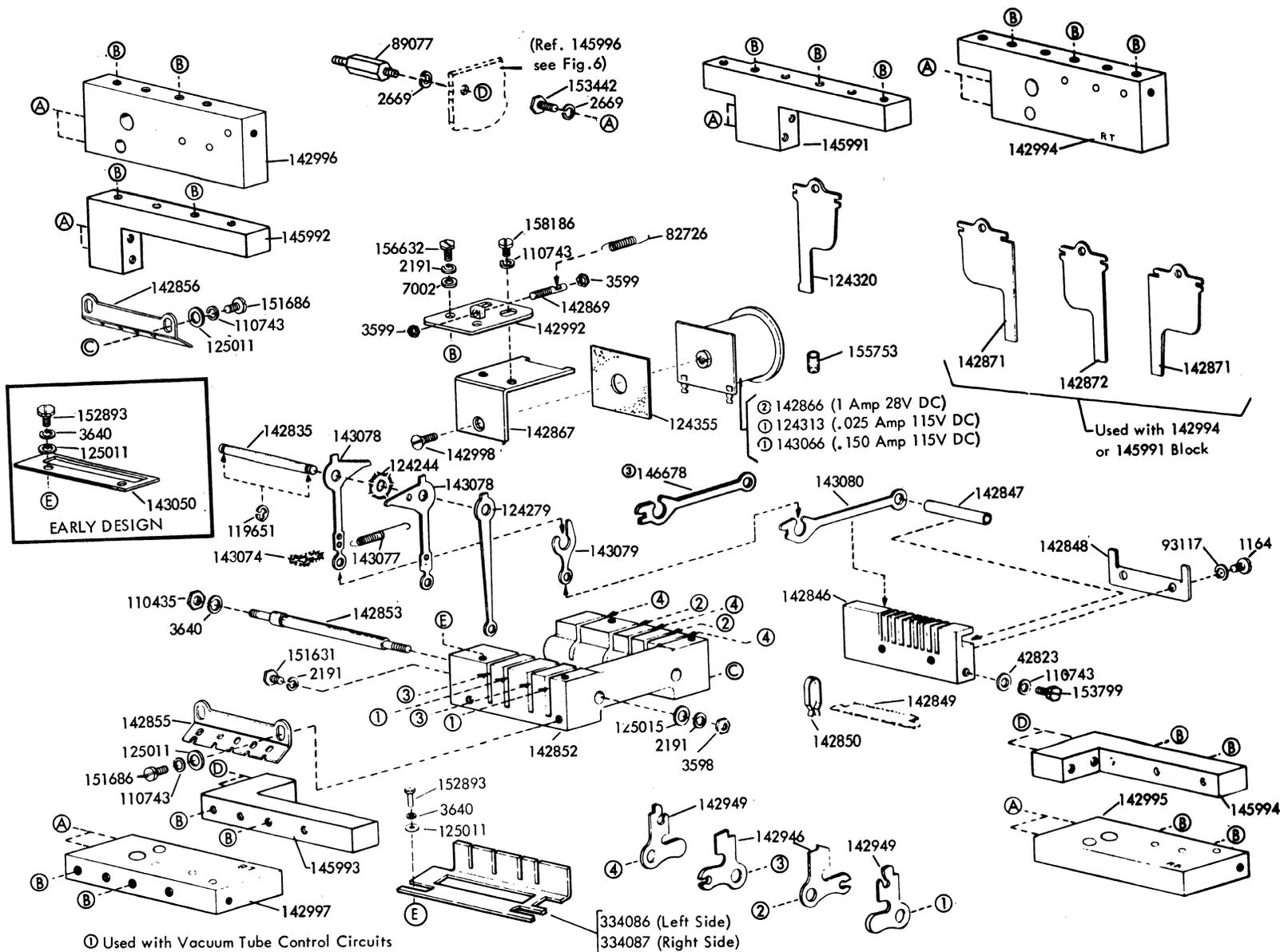
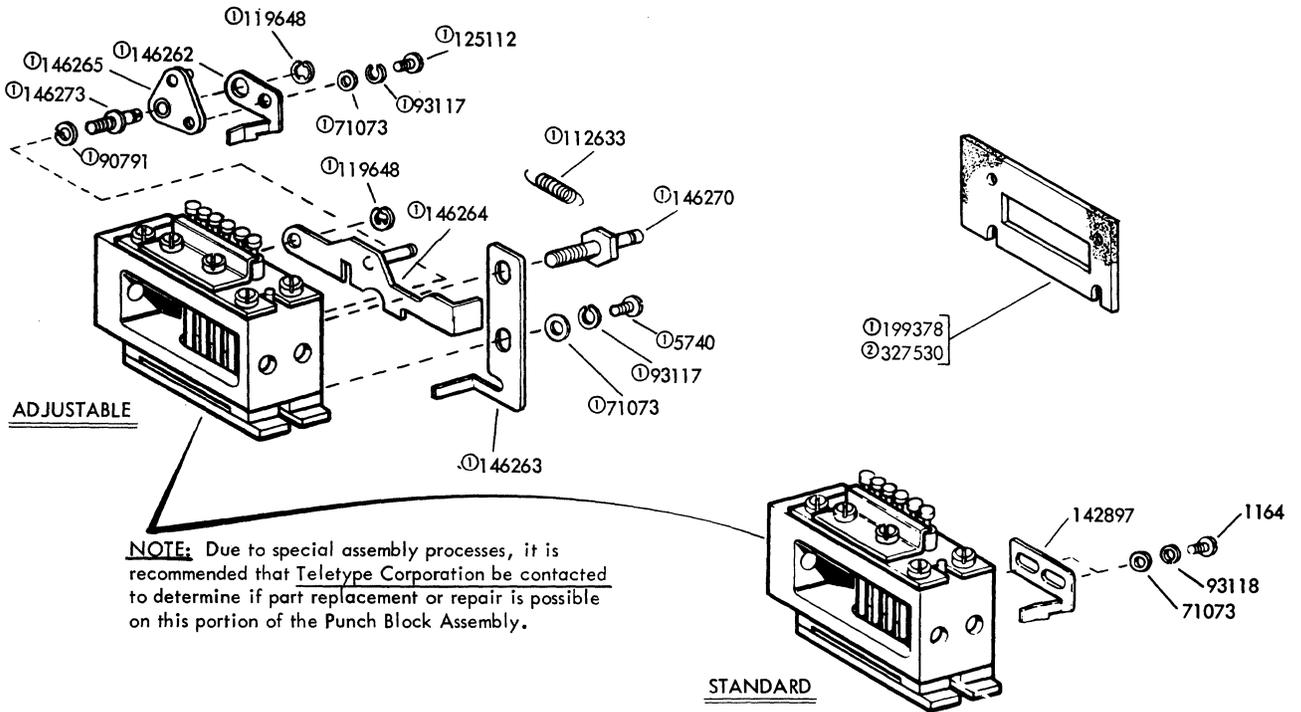


FIGURE 2. MAGNET AND TOGGLE LINK MECHANISM





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

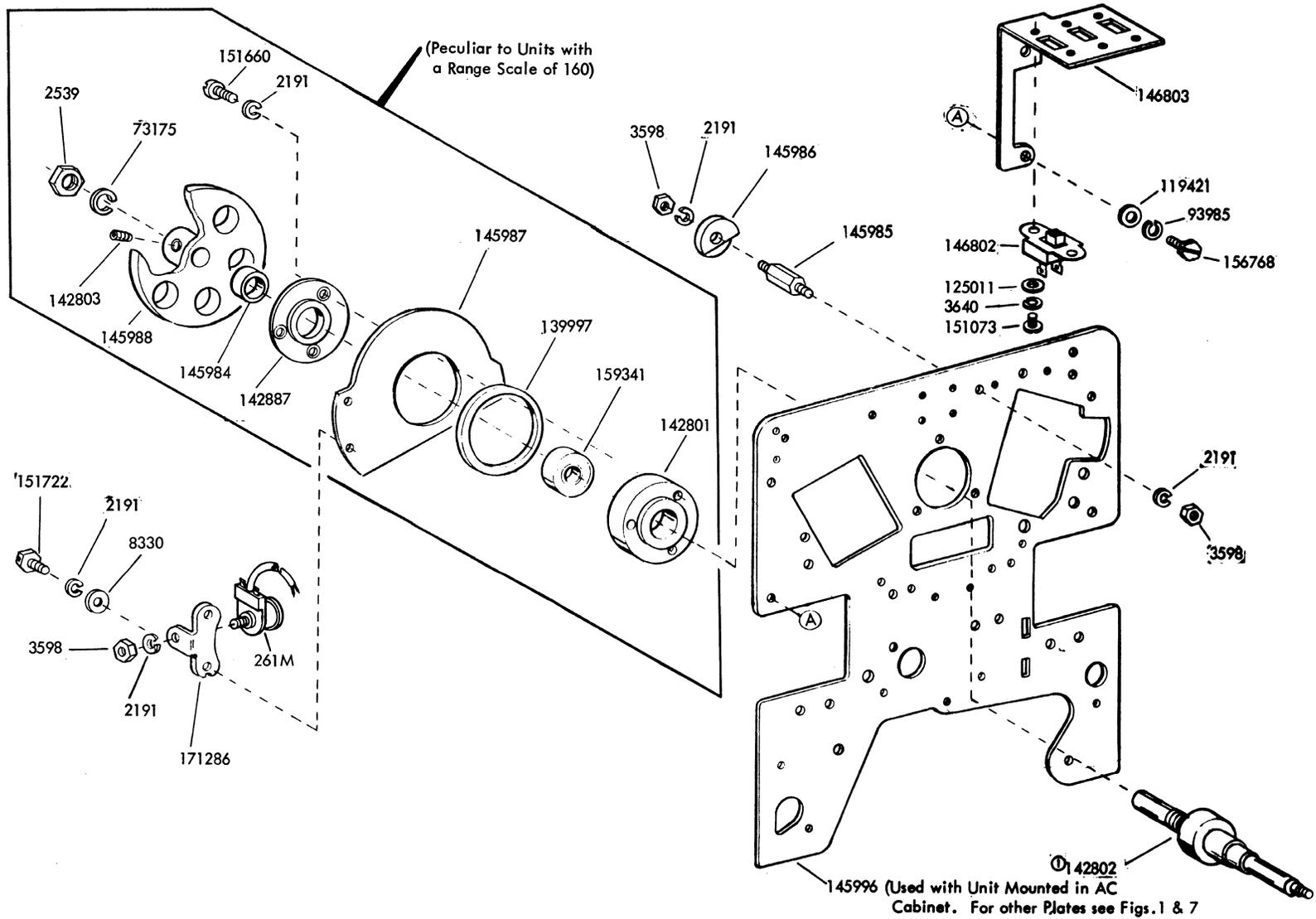
- ① Peculiar to 146261 Punch Block Assembly
- ② Peculiar to 146677 Punch Block Assembly

BLOCK ASSEMBLY NO.	CODE LEVEL	FEED HOLE		BIASING SPRING	NOTES:
		IN LINE	ADVANCED		
143056	6-8	X		142897	7/8" or 1" TAPE
145808	8	X		142897	11/16" TAPE, 0 & 6th PULSE PIN EDGE NOTCHING, 7th PULSE PIN INOPERATIVE
146261	5-8	X		146262	ADJUSTABLE FOR 11/16" OR 1" TAPE
146677	6		X	142897	7/8" TAPE, ADVANCED FEED HOLE CENTERED ON TAPE
170751	5	X		142897	11/16" TAPE

NOTE: The Punch Block Assemblies shown on this page are for BRPE6 and up.

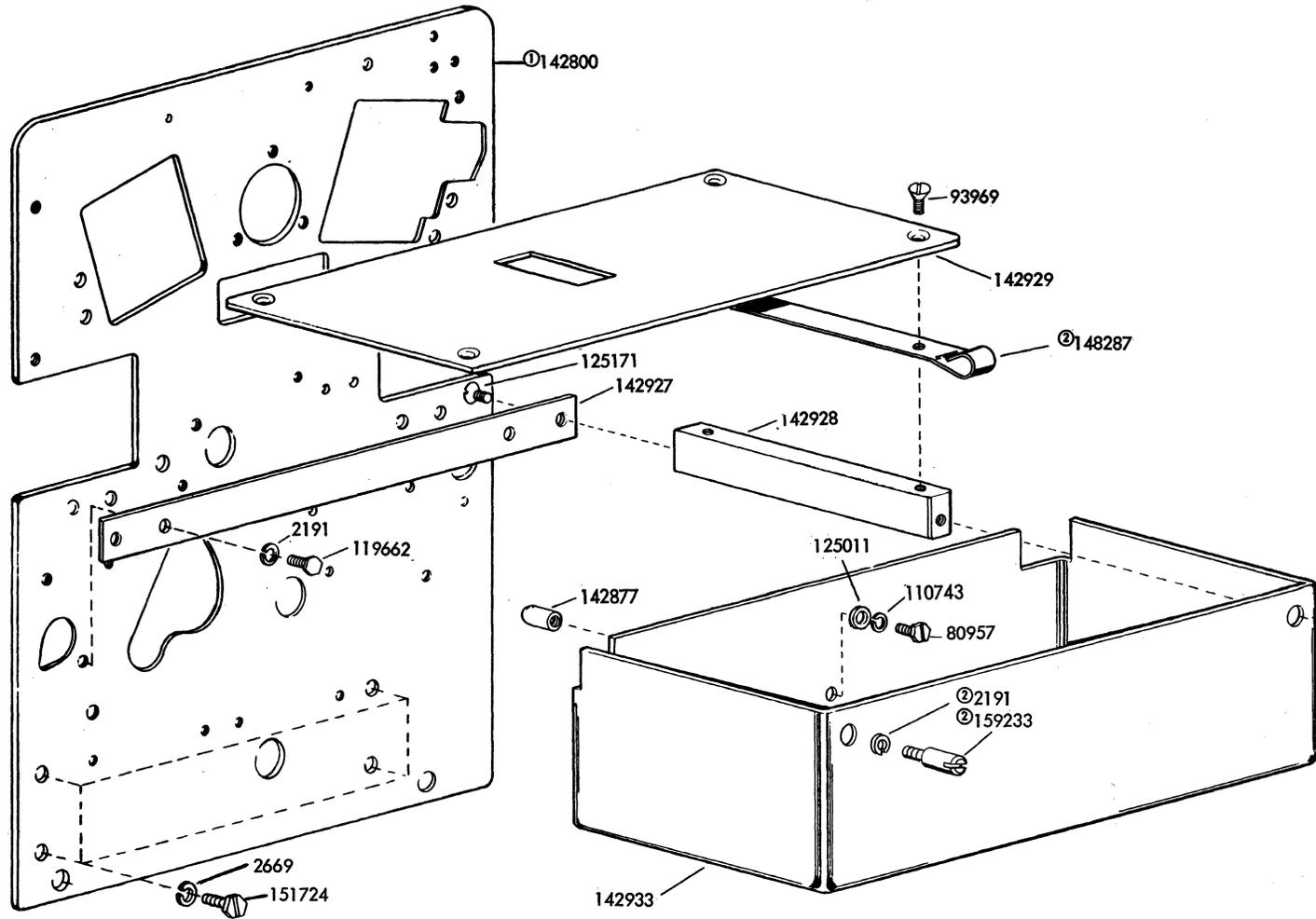
FIGURE 4. PUNCH BLOCK ASSEMBLIES

FIGURE 6. REAR PLATE AND MAGNET PICK-UP



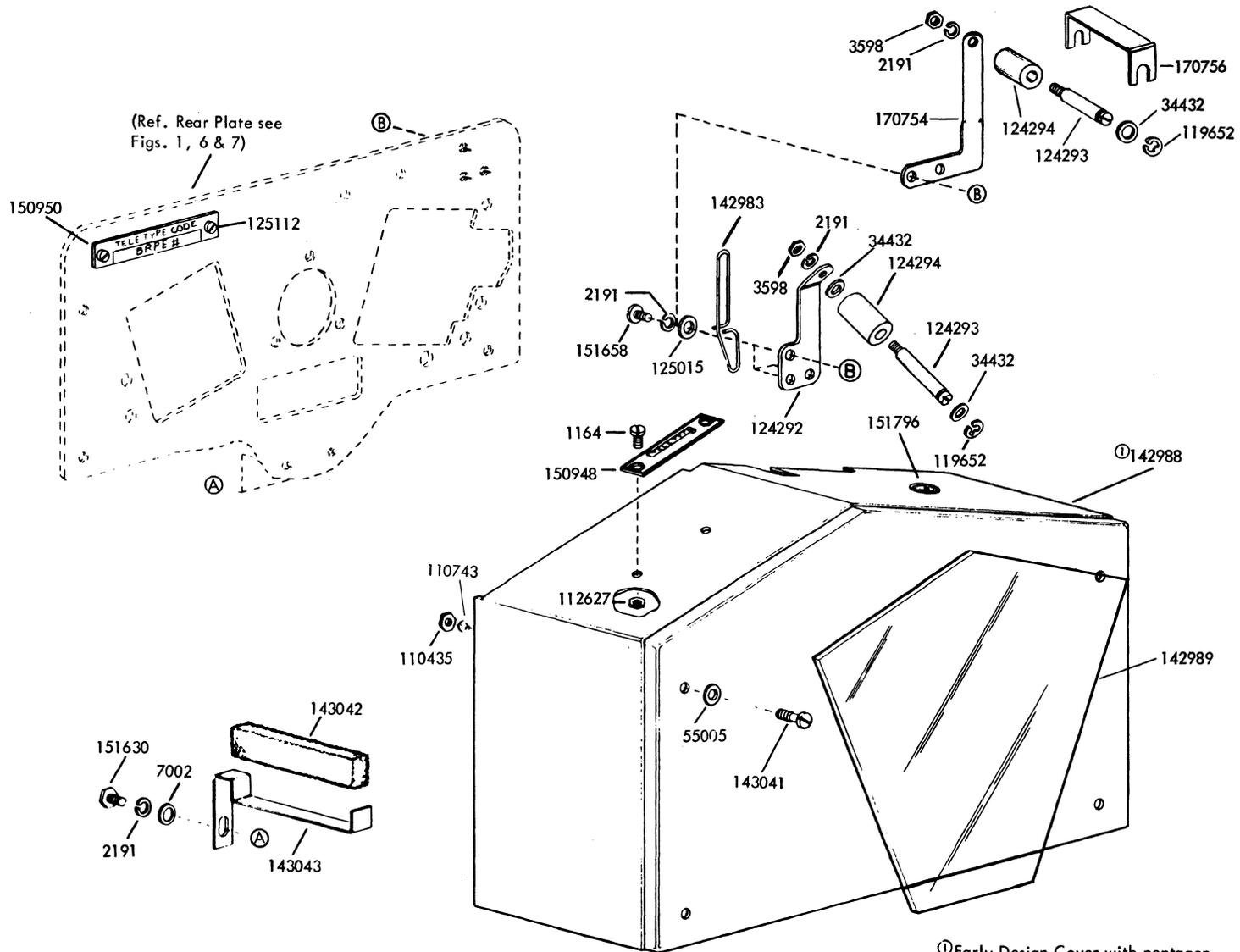
ⓐ Accepts driven Gear mounted with Screw (Direct drive see Figure 12)

FIGURE 7. CHAD BOX

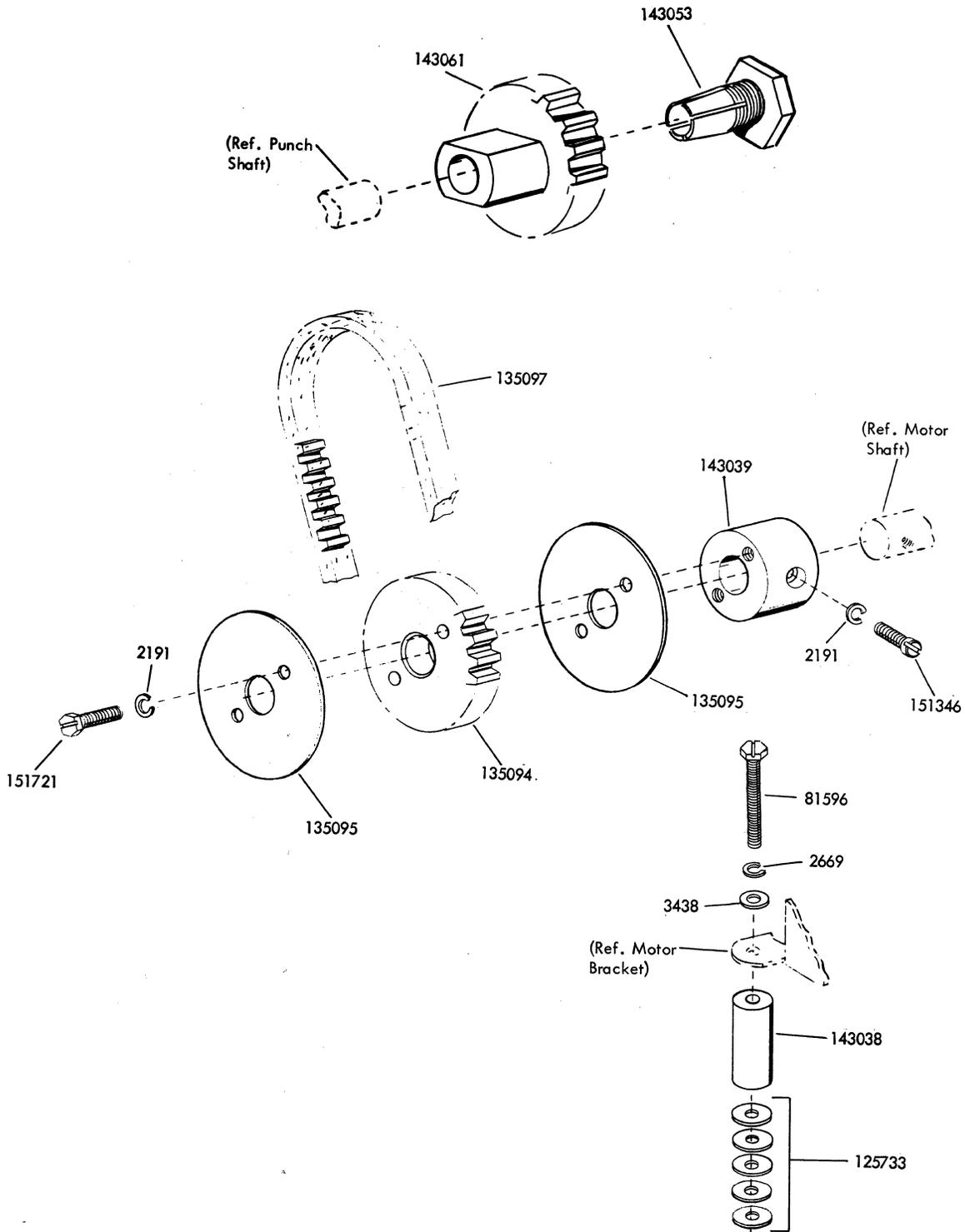


①Used with Self-Contained Sets.
For other Plates see Figs. 1 & 6.
②Part of 148288 Modification Kit to provide
improved mounting for Chad Box
(Specification 501685)

FIGURE 8. FRONT COVER

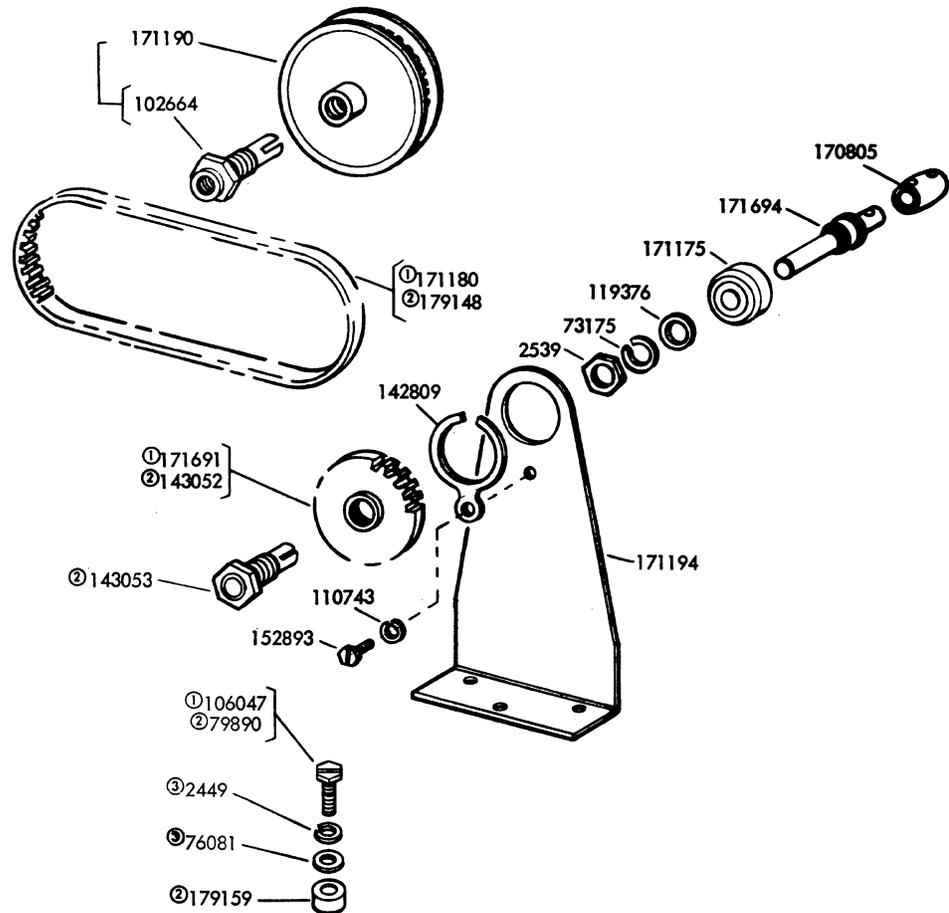


① Early Design Cover with pentagon hole is no longer available. However the window is available as a replacement part.



SPECIFICATION 5944S.

FIGURE 9. 143062 MODIFICATION KIT TO PROVIDE MOTOR MOUNTING AND DRIVE PARTS
(63.3 CHARACTERS-PER-SECOND)



- ① Peculiar to 171826 Modification Kit (600 Baud Operation)
- ② Peculiar to 179149 Modification Kit (750 Baud Operation)

FIGURE 10. PARTS TO PROVIDE OPERATION OF THE BRPE WITH H/L RT SETS

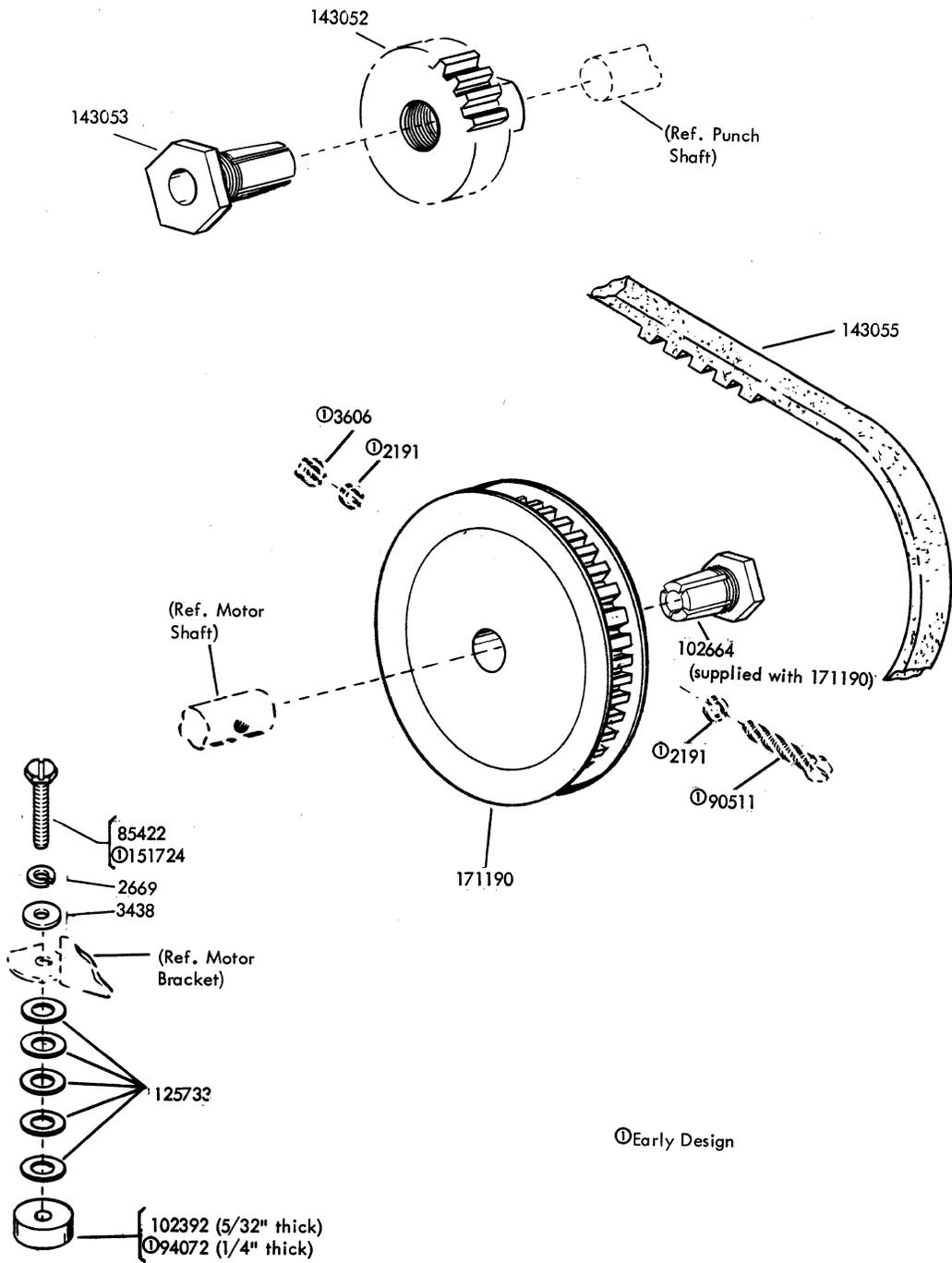
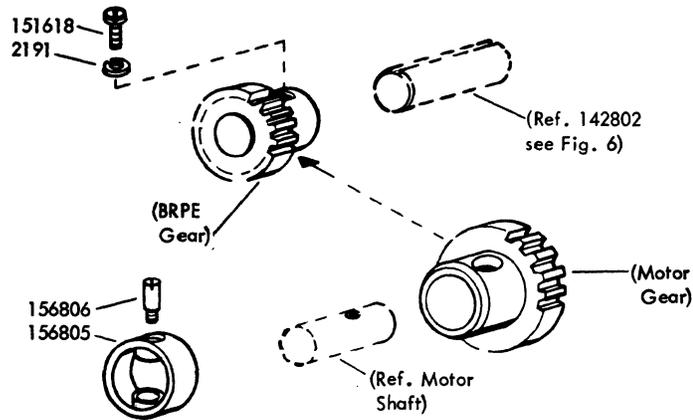


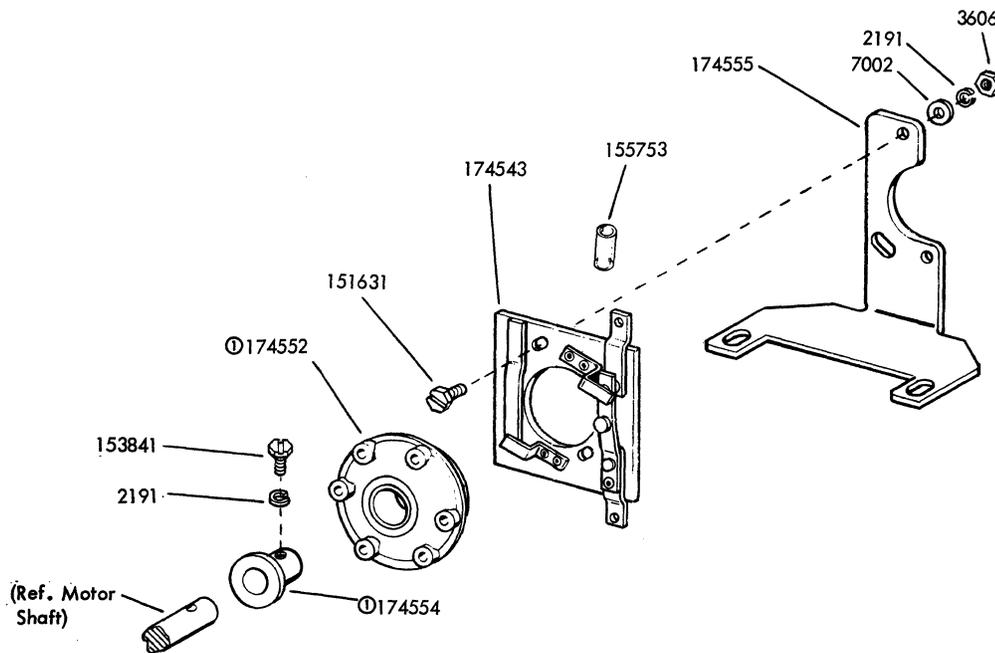
FIGURE 11. 143044 MODIFICATION KIT TO PROVIDE MOTOR MOUNTING AND DRIVE PARTS
(110 CHARACTERS-PER-SECOND)



GEAR CHART				
Gearset No.	BRPE Gear	Motor Gear	① Baud	Cycle
145997	145998 (25T)	145999 (45T)	③ 1050	60
146966	146959 (28T)	146958 (51T)	② 750	60
146947	146949 (28T)	146948 (62T)	② 750	50
195279	195277 (18T)	195278 (39T)	③ 1050	50

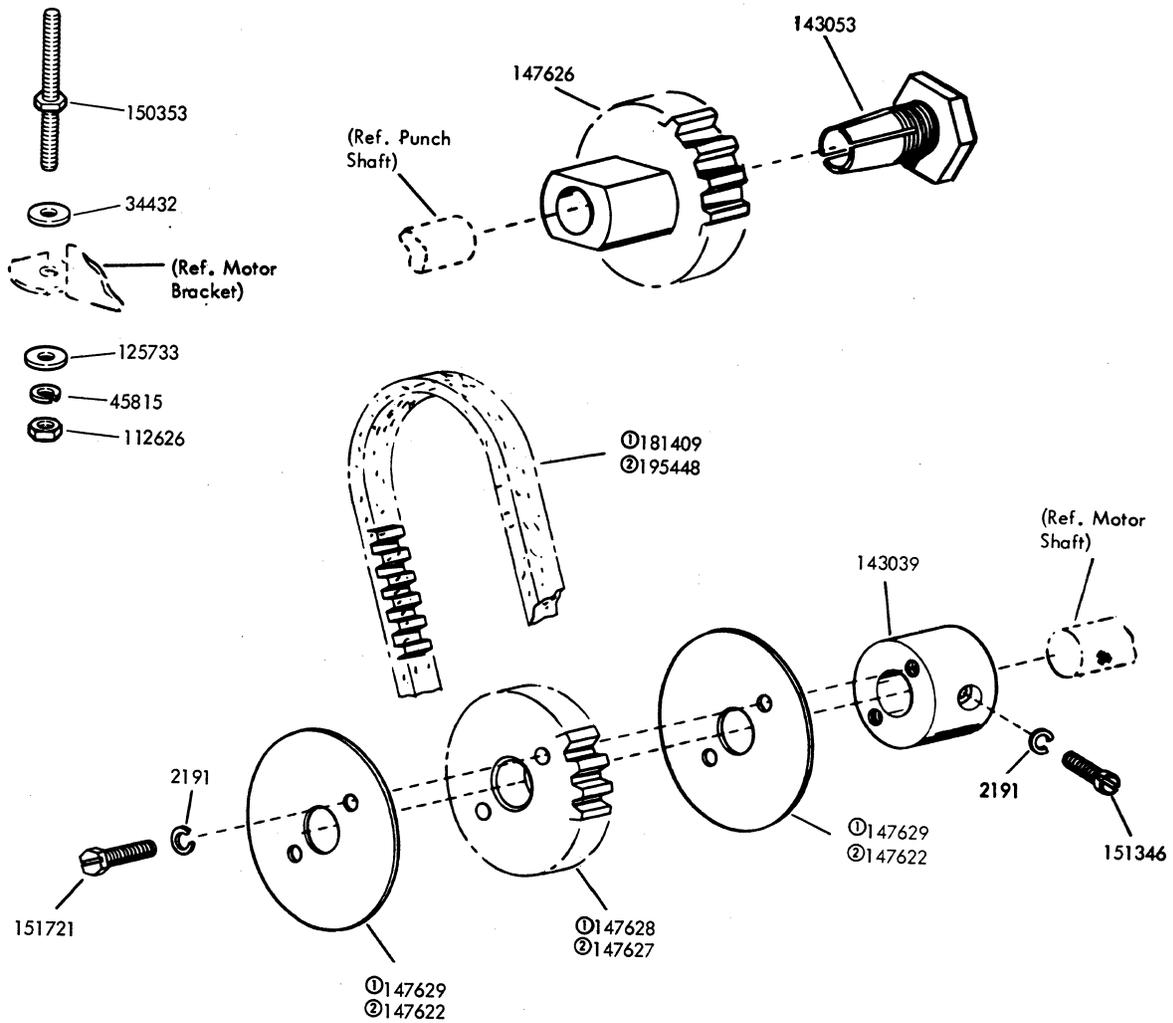
- ① Based on Transmission Speed
- ② Based on 7.00 Unit Code
- ③ Based on 10.00 Unit Code

FIGURE 12. GEARSETS FOR UNITS MOUNTED IN AC CABINETS



①174553 Rotor Assembly

FIGURE 13. 175198 MODIFICATION KIT TO PROVIDE MOTOR RUNNING CONTACTS FOR REPERFORATOR (BRPE)



①Peculiar to 147623
②Peculiar to 147624

FIGURE 14. 147623 (63.3 CHARACTERS-PER-SECOND) AND 147624 (100 CHARACTERS-PER-SECOND) MODIFICATION KITS TO PROVIDE DRIVE PARTS FOR 50 CYCLE OPERATION

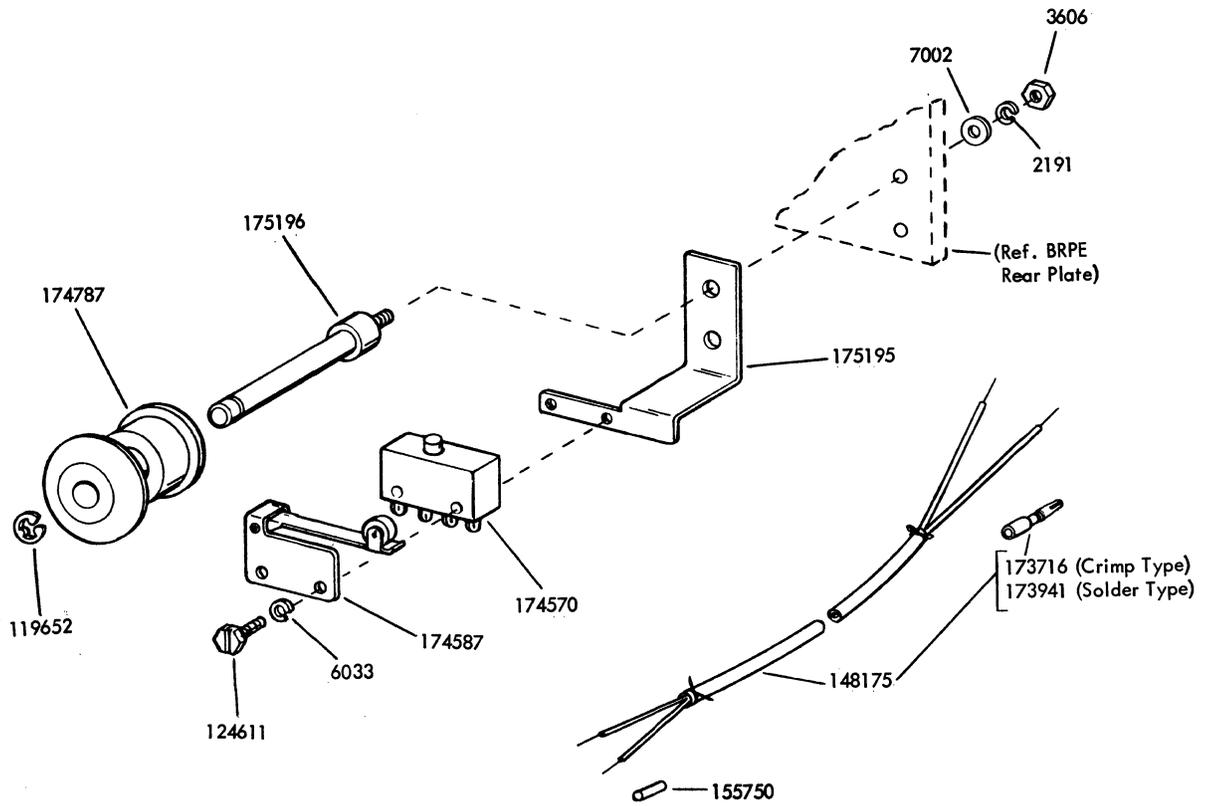


FIGURE 15. 175194 MODIFICATION KIT TO PROVIDE TAPE-OUT CONTACTS AHEAD OF REPERFORATOR (BRPE)

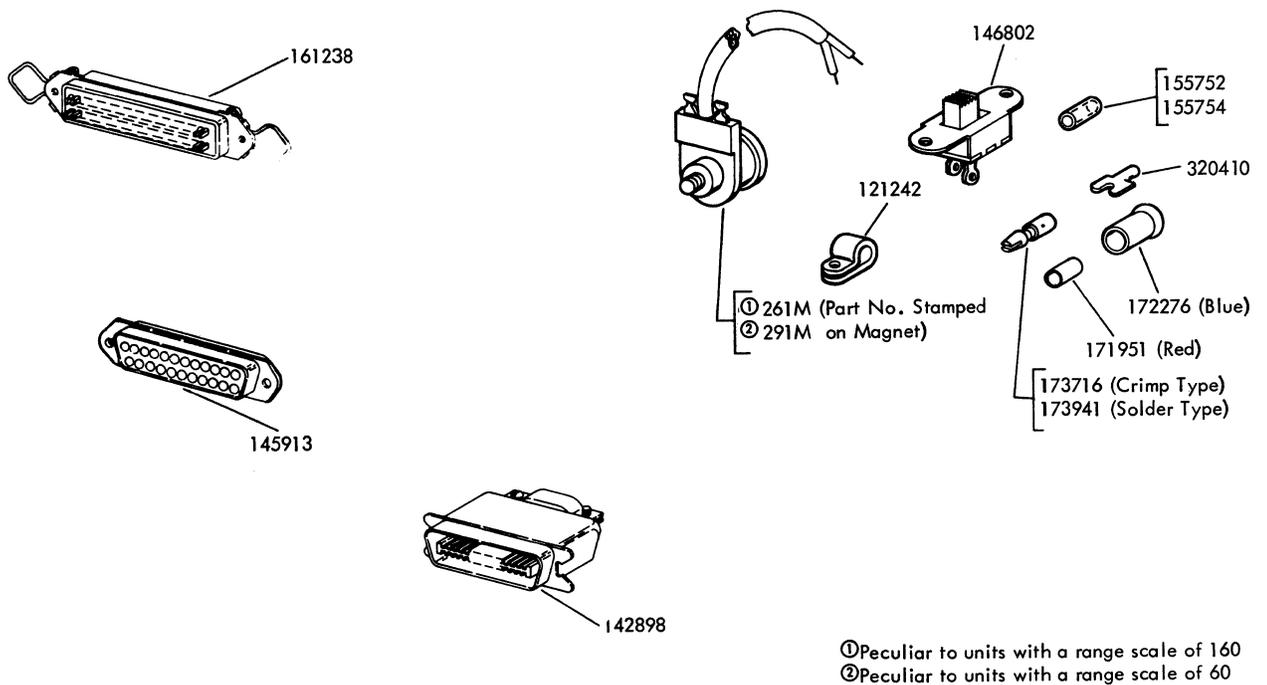


FIGURE 16. CABLE COMPONENTS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
261M	Coil, Magnet 7,15	90511	Screw, 6-40 x 13/16 Hex 12	124355	Insulator, .010" Thk 3
291M	Coil, Magnet 15			124611	Screw, 8-32 x 3/8 Hex 15
1030	Screw, 6-40 Shoulder 2	90791	Lockwasher 5	125011	Washer, Flat 3,4,7,8
1164	Screw, 2-56 x 3/16 Fil 3,5,9	92806	Screw, 6-40 Shoulder 4	125015	Washer, Flat 3,9
2191	Lockwasher 2,3,4,6 to 10, 12 to 15	93117	Lockwasher 3,5	125112	Screw, 2-56 x 1/8 Fil 5,9
2449	Lockwasher 11	93118	Lockwasher 5	125171	Screw, 10-32 x 1/2 Flat 8
2539	Nut, 3/8-32 Hex 4,5,7,11	93879	Oiler, Felt 6	125683	Bushing, Eccentric 4
2669	Lockwasher 2,3,4,6,8, 10,12	93969	Screw, 4-40 x 3/16 Flat 8	125733	Washer, Flat 10,12,14
3438	Washer, Flat 10,12	93985	Lockwasher 7	128357	Ring, Retaining 4
3598	Nut, 6-40 Hex 2,3,4,7,9	94072	Bushing 12	130690	Washer, Felt 6
3599	Nut, 4-40 Hex 2,3,6	94693	Wick, Felt 2	135094	Pulley, 19T 10
3606	Nut, 6-40 Hex 2,4,12,13, 15	102374	Wick, Felt 2	135095	Retainer, Belt 10
3639	Lockwasher 4	102392	Spacer 12	135097	Belt, 38T 10
3640	Lockwasher 2,3,4,6,7	102664	Hub 11,12	135247	Oiler, Felt 2
5740	Screw, 2-56 x 1/4 Fil 5	102751	Nut, 10-32 Shoulder Hex 4	139957	Bracket 6
6033	Lockwasher 15	106047	Screw, 1/4-32 x 1/2 Hex 11	139958	Disc 6
7002	Washer, Flat 2,3,4,6,9, 13,15	110435	Nut, 4-40 Hex 2,3,9	139962	Flywheel w/Block 6
8330	Washer, Flat 4,7	110743	Lockwasher 2,3,4,6,8,9,11	139991	Post, Spring 2
34432	Washer, Flat 2,9,14	111017	Screw, 6-40 x 5/16 Fil 2	139992	Button 6
41675	Washer, Flat 2	111410	Washer, Flat 6	139997	Washer, Spring 6,7
42823	Washer, Flat 3,4,6	112620	Screw, 4-40 x 1/2 Hex 4	142800	Plate, Rear 8
45815	Lockwasher 14	112626	Nut, 10-32 Hex 14	142801	Housing, Bearing 6,7
55005	Washer, Flat 9	112627	Nut, 2-56 Hex 9	142802	Shaft w/Bearing 7,13
70891	Lockwasher 4	112633	Spring w/Wick 5	142803	Setscrew, 10-32 6,7
71073	Washer, Flat 5	112769	Washer, Flat 2	142805	Spacer, .06" Thk 6
73175	Lockwasher 6,7,11	115221	Washer, Felt 2	142806	Shield, Bearing 6
74807	Nut, 10-32 Shoulder Hex 2,4,6	119376	Washer, Flat 11	142807	Bearing 6
76081	Washer, Flat 11	119421	Washer, Flat 7	142808	Link, Feed Bearing 2,6
76953	Washer, Flat 6	119648	Ring, Retaining 2,5	142809	Clamp, Bearing 6,11
76983	Screw, 4-40 x 1-1/4 Fil 6	119651	Ring, Retaining 2,3	142811	Shaft, Punch Bail 2
79890	Screw, 1/4-32 x 7/8 Hex 11	119652	Ring, Retaining 2,4,9,15	142812	Stud, Toggle Arm 2
80957	Screw, 4-40 x 1/4 Hex 8	119662	Screw, 6-40 Spl 8	142828	Pawl, Feed 2
81596	Screw, 10-32 x 1-3/8 Hex 10	119662	Screw, 6-40 Spl 8	142829	Pin 2
82726	Spring 3	121242	Clamp, 1/8 ID Cable 15	142830	Spring, Torsion 2
85422	Screw, 10-32 x 15/16 Hex 12	124244	Washer, Felt 3	142833	Arm, Bearing 6
87402	Spring 2	124249	Spacer, .217" Thk 2	142834	Bail, Toggle Arm 2
89077	Stud 3	124252	Link 2	142835	Shaft, Toggle Arm 3
89896	Oiler 4	124258	Screw, 4-40 Shoulder 2	142839	Bearing, Ball 6
90361	Washer, Felt 2	124279	Link, Feed Punch 3	142840	Clamp, Bearing 6
90437	Wick, Felt 4	124282	Spacer, .044" Thk 2	142841	Counterweight 6
		124287	Spacer, .156" Thk 2	142842	Key 6
		124289	Bearing, Ball 6	142844	Spacer, Bearing Arm 6
		124292	Bracket 9	142845	Clip, Bearing 6
		124293	Stud 9	142846	Bracket, Link Pivot 3
		124294	Roller 9	142847	Shaft, Link 3
		124300	Spacer, .056" Thk 2	142848	Clamp 3
		124301	Spacer, .312" Thk 6	142849	Wick, Felt 3
		124313	Magnet Assembly 3	142850	Clamp, Spring 3
		124320	Armature 3	142852	Bracket, Arm Stop 3

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
142853	Stud 3	143006	Lever 2	145984	Spacer, .499" Thk 7
142855	Bracket, Left Spring 3	143007	Pick-up, Magnetic 6	145985	Post 7
142856	Bracket, Right Spring 3	143014	Link 2	145986	Indicator 7
142865	Screw, 6-40 x 2-1/32 Hex 4	143016	Arm, Toggle 2	145987	Disc 7
142866	Magnet Assembly 3	143017	Arm, Toggle 2,6	145988	Flywheel w/Magnet 7
142867	Yoke 3	143019	Spacer, 0.249" Thk 2	145991	Bar, RT Magnet Mounting 3
142869	Screw, 4-40 Spl 3	143020	Spacer, 0.106" Thk 2	145992	Bar, LT Magnet Mounting 3
142871	Armature 3	143021	Plate 2	145993	Bar, LB Magnet Mounting 3
142872	Armature 3	143026	Eccentric 2	145994	Bar, RB Magnet Mounting 3
142873	Arm, Detent 4	143028	Scale 2	145995	Plate 4
142876	Spring, Torsion 4	143038	Spacer 10	145996	Plate, Rear 3,7
142877	Post 8	143039	Hub 10,14	145997	Gearset 13
142880	Plate, Front 6	143040	Ring, Retaining 4	145998	Gear, 25T 13
142882	Clamp, Bearing 6	143041	Screw, 4-40 Spl 9	145999	Gear, 45T 13
142887	Retainer 6,7	143042	Oiler, Felt 9	146177	Modification Kit 2,4
142888	Wheel, Feed 4	143043	Bracket, Oiler 9	146178	Modification Kit 2,6
142889	Post, Tape Arm 4	143044	Modification Kit 1,12	146261	Block Assembly, Punch 5
142890	Arm, Tape 4	143045	Link 2,4	146262	Spring, Biasing 5
142895	Spring, Torsion 4	143048	Spring, Torsion 2	146263	Spring, Biasing 5
142896	Shaft, Feed Wheel 4	143050	Plate, Stop 3	146264	Link, Operating 5
142897	Spring, Flat 5	143052	Pulley, 24T 11,12	146265	Arm w/Hub 5
142898	Connector, 24 Pt Plug 15	143053	Hub 10,11,12,14	146270	Post, Spring 5
142901	Plate 4	143055	Belt, 65T 12	146273	Post 5
142910	Stud 4	143056	Block Assembly, Punch 5	146284	Guide, Adjustable Tape 4
142911	Plate 4	143061	Pulley, 18T 10	146286	Plate w/Posts 4
142912	Pushing, Eccentric 4	143062	Modification Kit 1,10	146677	Block Assembly, Punch 5
142917	Cutter, Tape 4	143066	Magnet Assembly 3	146678	Link, Drag 3
142918	Chute, Chad 4	143072	Shield, Bearing 6	146685	Guide, Tape 4
142921	Stud 4	143073	Spacer, .06" Thk 6	146802	Switch, SP-ST Slide 7,15
142923	Post 2,6	143074	Wick, Felt 3	146803	Bracket 7
142924	Roller 4	143077	Spring 3	146862	Spacer 4
142927	Bar 8	143078	Arm, Long Toggle 3	146947	Gearset 13
142928	Bar 8	143079	Arm, Short Toggle 3	146948	Gear, 62T 13
142929	Cover, Chad 8	143080	Link, Drag 3	146949	Gear, 28T 13
142933	Box, Chad 8	143088	Guide, Tape 4	146958	Gear, 51T 13
142942	Bracket w/Tape Guide 4	143091	Roller 4	146959	Gear, 28T 13
142944	Eccentric 4	143097	Ring, Retaining 2	146966	Gearset 13
142946	Pawl, Blocking 3	145808	Block Assembly, Punch 5	147622	Retainer, Belt 14
142949	Pawl, Blocking 3	145861	Link w/Hub 2	147623	Modification Kit 1,14
142983	Guide, Tape 9	145862	Link, Feed Bearing 6	147624	Modification Kit 1,14
142988	Cover 9	145864	Block, Pawl 4	147626	Pulley, 15T 14
142989	Window, Plastic 9	145865	Arm, Toggle 2	147627	Pulley, 33T 14
142992	Plate w/Post 3	145866	Guide 4	147628	Pulley, 19T 14
142994	Bar, Magnet Mounting 3	145873	Plate 4	147629	Retainer, Belt 14
142995	Bar, Magnet Mounting 3	145874	Link w/Bushing 2		
142996	Bar, Magnet Mounting 3	145875	Ring, Retaining 2		
142997	Bar, Magnet Mounting 3	145877	Guide 4		
142998	Screw, 6-40 x 3/8 Flat 3	145913	Connector, 25 Pt Receptacle Type 15		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
147773	Flywheel 6	153442	Screw, 10-32 x 1/2 Hex 3	171826	Modification Kit 11
147774	Clamp 6	153799	Screw, 4-40 x 21/64 Hex 3	171951	Connector, Red Shielding 15
147775	Bracket, Mounting 6	153841	Screw, 6-40 x 9/16 Hex 13	172276	Connector, Blue Insulated 15
148175	Cable w/Terminals 15	155750	Sleeve, 3/32 ID x 1/2"	173716	Terminal, Receptacle Type 15
148287	Spring, Detent 8	155752	Sleeve, 5/64 ID x 1/2"	173941	Terminal, Receptacle Type 15
148288	Modification Kit 8	155753	Sleeve, 1/8 ID x 1/2"	173974	Screw, 10-32 x 5/16 Hex 4
150353	Stud 14	155754	Lg Insulating 3,13	174543	Switch 13
150948	Plate 9	156536	Sleeve, 1/16 ID x 1/2"	174552	Lg Insulating 15
150950	Plate, Code 9	156632	Screw, 4-40 x 1/8 Fil 4	174553	Rotor, Centrifugal 13
151073	Screw, 4-40 x 5/32 Fil 7	156768	Screw, 6-40 x 13/32 Hex 3	174554	Rotor 13
151152	Screw, 4-40 x 3/16 Hex 6	156805	Screw, 6-40 x 13/32 Hex 3	174555	Hub, Switch 13
151346	Screw, 6-40 x 3/8 Fil 10,14	156806	Screw, 8-32 x 9/32 Hex 7	174570	Bracket, Switch 13
151618	Screw, 6-40 x 7/16 Fil 13	158207	Retainer 13	174570	Switch 15
151630	Screw, 6-40 x 1/4 Hex 4,6,9	159233	Post 13	174587	Actuator, Switch 15
151631	Screw, 6-40 x 5/16 Hex 3,13	159341	Screw, 4-40 x 7/32 Fil 3,4	174787	Roller 15
151637	Screw, 4-40 x 1/4 Fil 6	161238	Setscrew, 10-32 6	175194	Modification Kit 1,15
151658	Screw, 6-40 x 5/16 Fil 4,9	170751	Stud 8	175195	Bracket 15
151660	Screw, 6-40 x 7/8 Fil 6,7	170752	Stud 8	175196	Stud 15
151686	Screw, 4-40 x 3/8 Fil 3	170754	Bearing, Ball 6,7	175198	Modification Kit 1,13
151692	Screw, 6-40 x 3/16 Fil 4	170756	Connector, 36 Pt Receptacle 15	179148	Belt, 95T 11
151721	Screw, 6-40 x 3/4 Hex 10,14	170766	Block Assembly, Punch 5	179149	Modification Kit 11
151722	Screw, 6-40 x 3/16 Hex 4,7	170755	Plate, Rear 2	179159	Spacer, .468" Thk 11
151724	Screw, 10-32 x 5/8 Hex 8,12	170766	Bracket 9	181409	Belt, 47T 14
151796	Plate, Bell Identification 9	170756	Bracket, Tape Guide 9	195277	Gear, 18T 13
151880	Nut, 4-40 Hex 6	170766	Bracket, Tape Guide 9	195278	Gear, 39T 13
152426	Nut, 6-40 Self-Locking 6	170766	Spacer, .095" Thk 4	195279	Gearset 13
152893	Screw, 4-40 x 1/4 Hex 3,11	170805	Coupling, Flexible 11	195448	Belt, 55T 14
153441	Screw, 10-32 x 7/16 Hex 4	171175	Bearing, Ball 11	199378	Pad 5
		171180	Bearing, Ball 11	320410	Terminal, Spade Type 15
		171180	Belt, 100T 11	327530	Pad 5
		171190	Pulley, 44T 11,12	334086	Plate, Left Guide 3
		171194	Bracket w/Bearing 11	334087	Plate, Right Guide 3
		171286	Bracket, Mounting 7		
		171691	Pulley, 30T 11		
		171692	Shaft w/Bearing 6		
		171694	Shaft 11		