

HIGH SPEED TAPE PUNCH (BRPE6 AND UP)
PARTS

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FIGURE 1. REAR PLATE

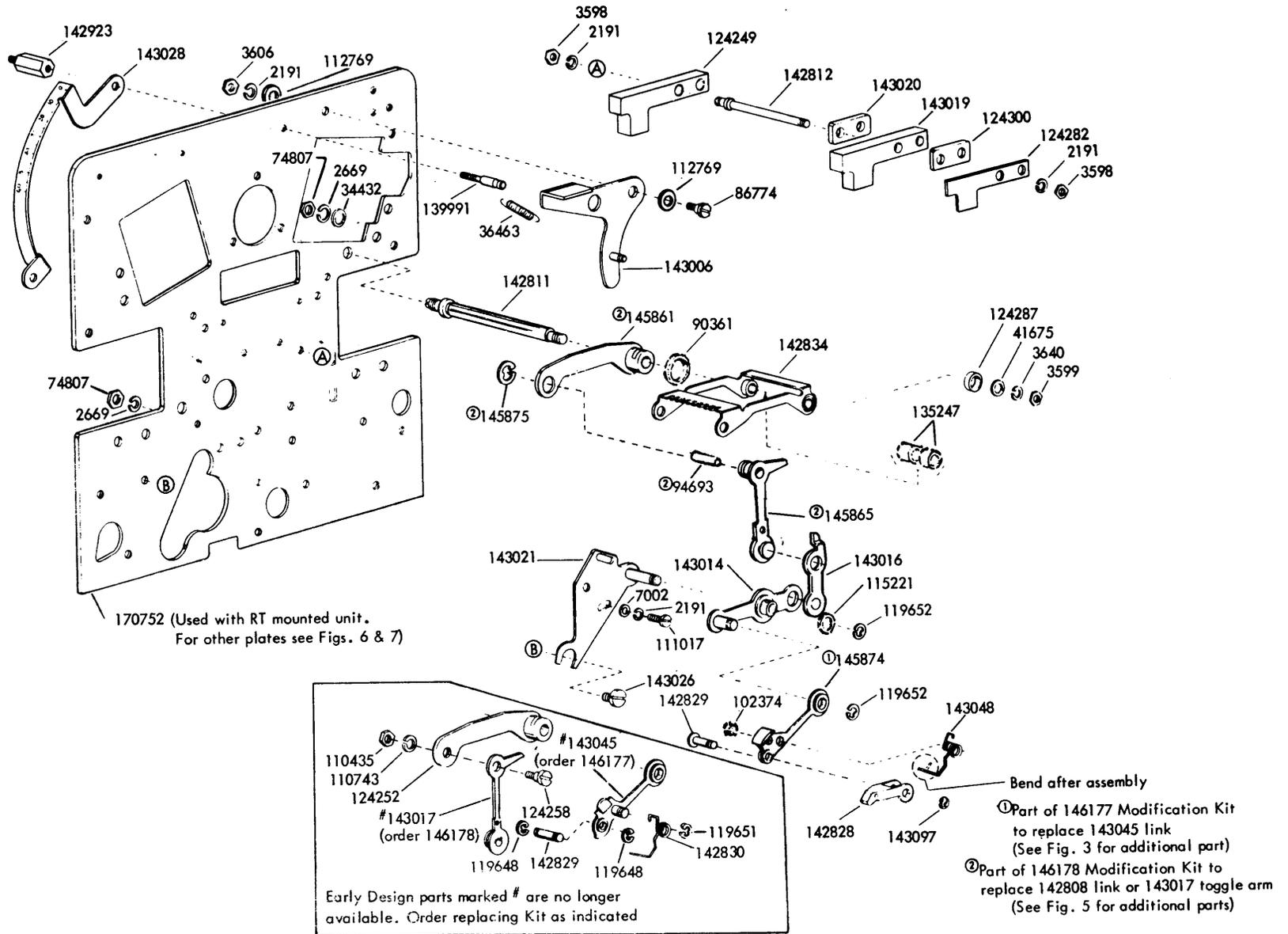


FIGURE 2. MAGNET AND TOGGLE LINK MECHANISM

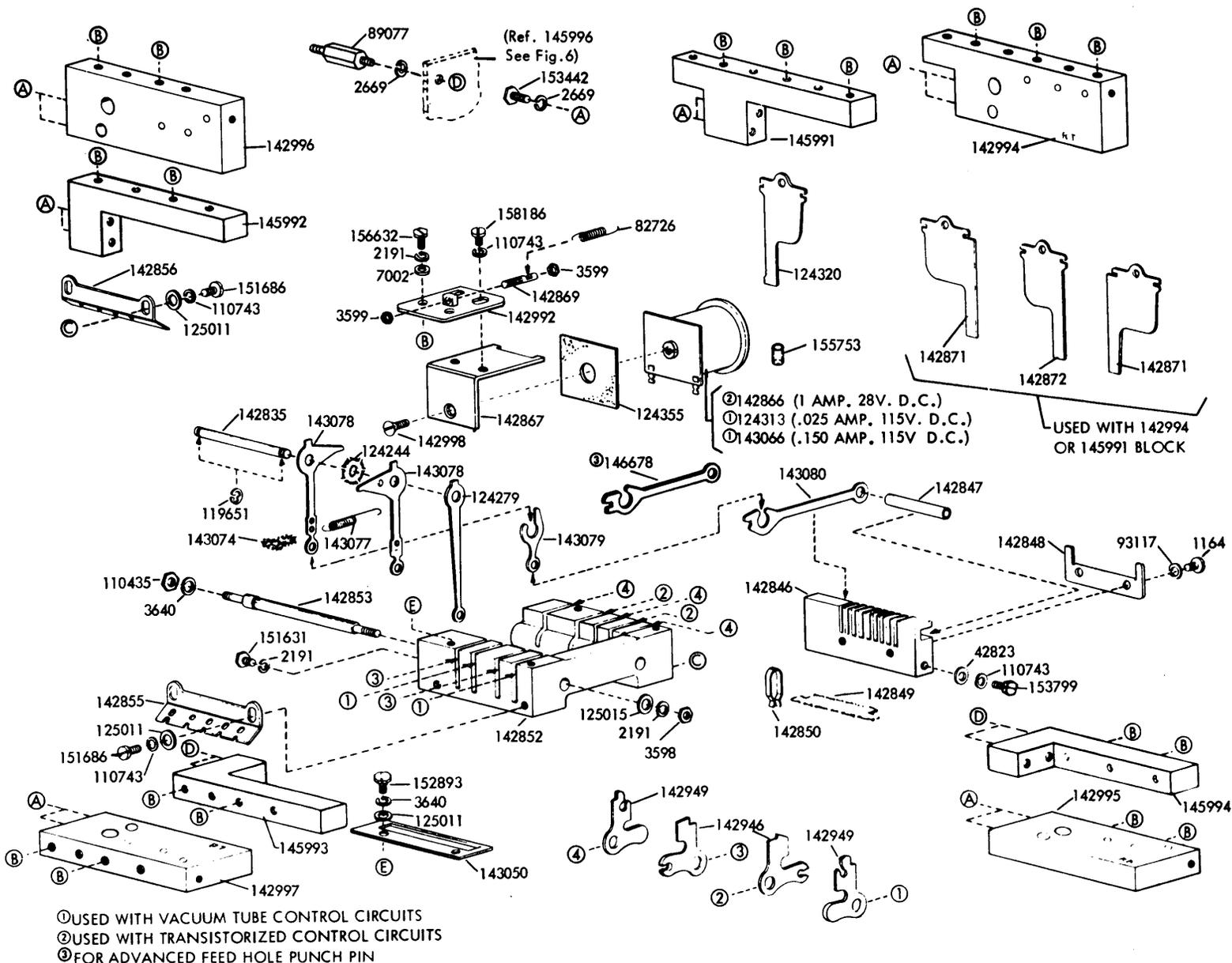
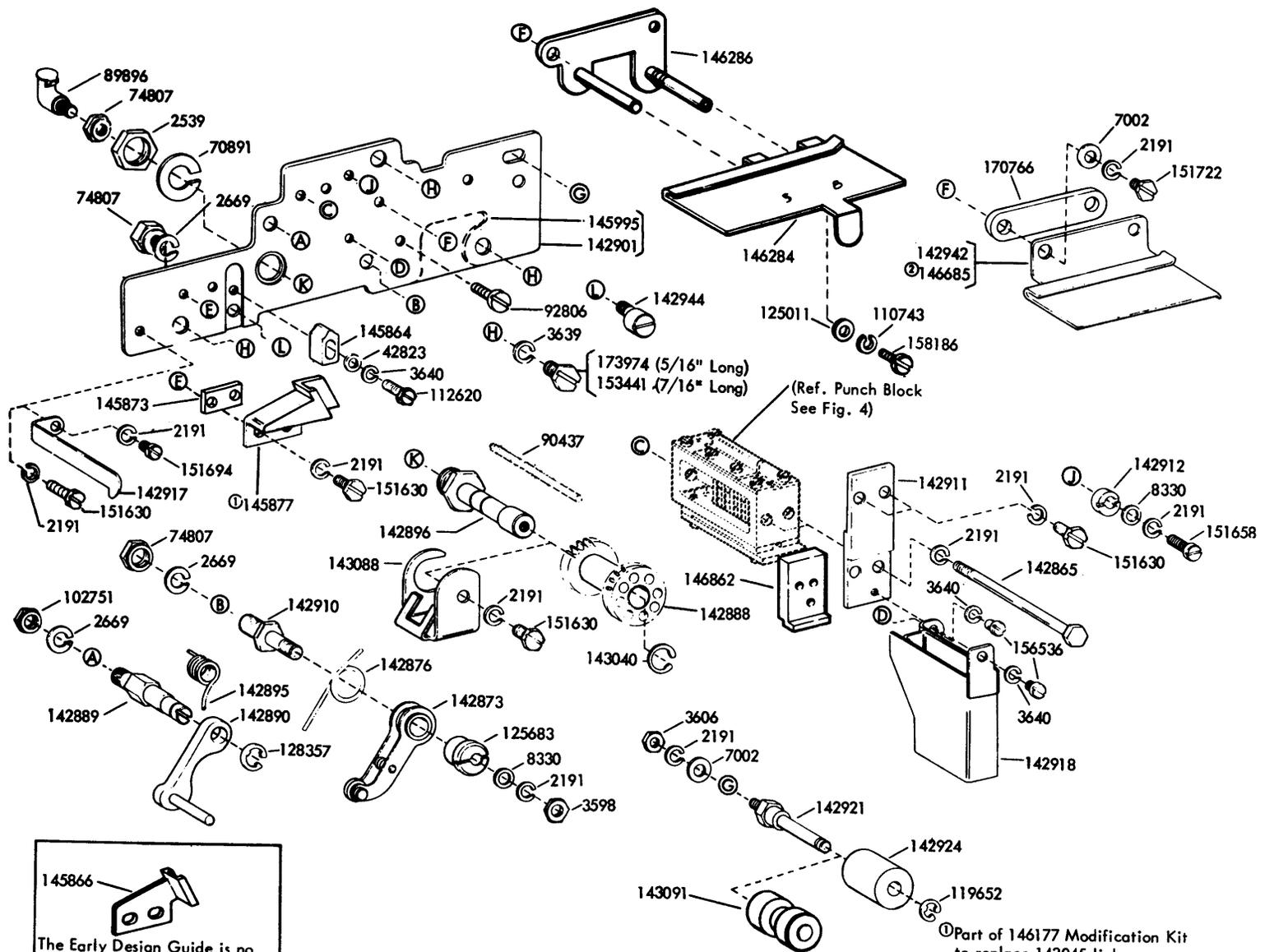


FIGURE 3. PUNCH AND FEED MECHANISM

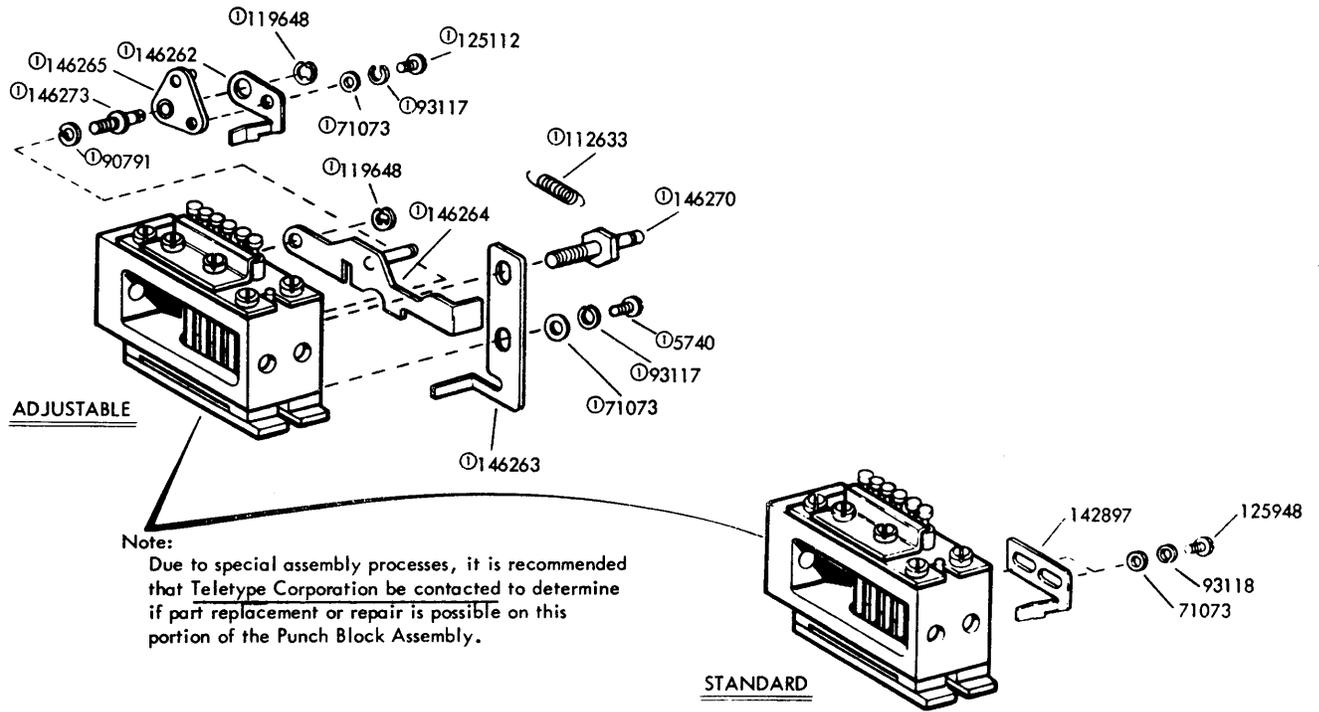


145866



The Early Design Guide is no longer available, Order 146177 Modification Kit.

① Part of 146177 Modification Kit to replace 143045 link. (See Fig. 1 for additional parts)
 ② Used with Feed Hole Centered on 7/8" Tape.



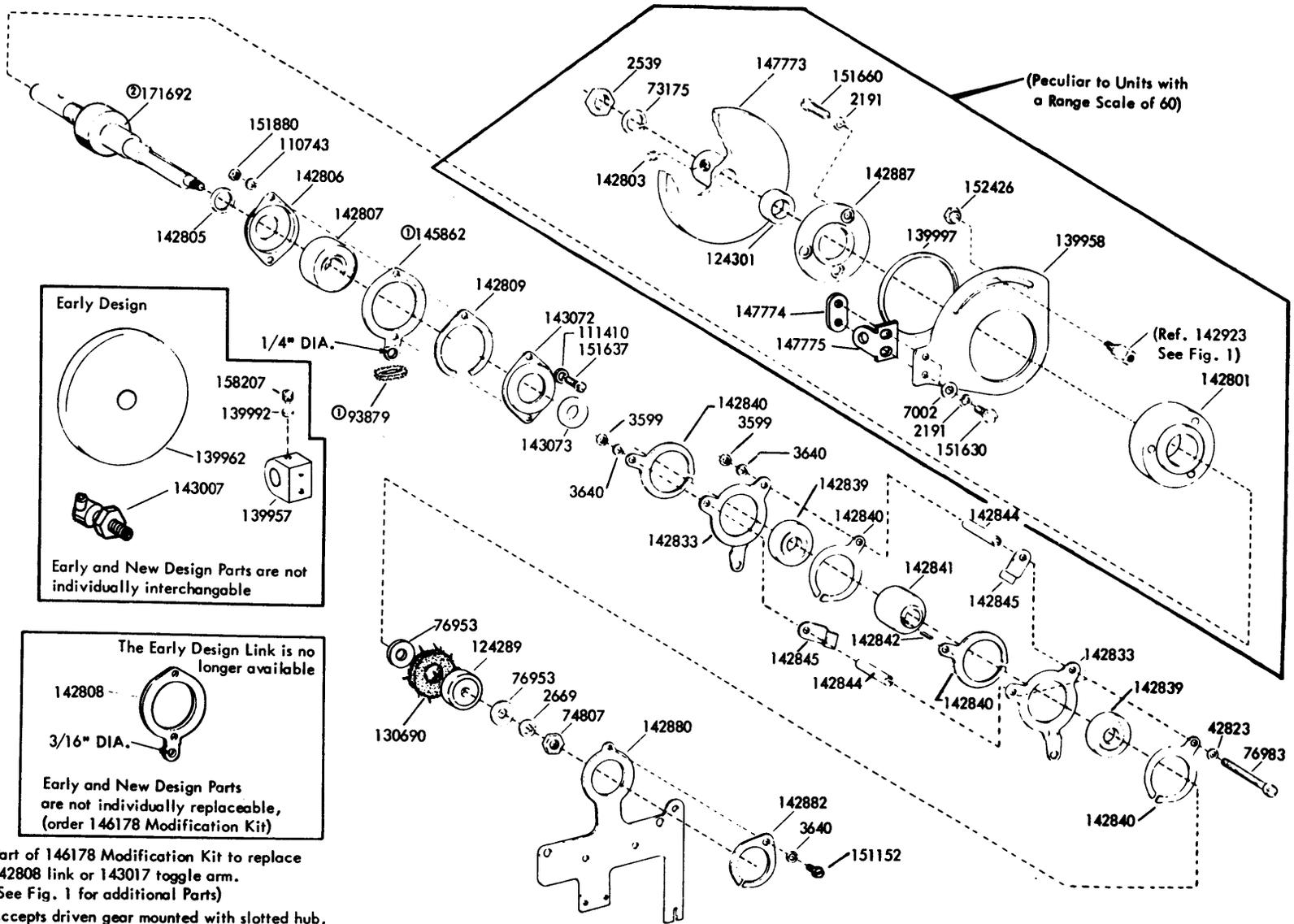
① Peculiar to 146261 Punch Block Assembly

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 5. MAIN SHAFT



Early Design

158207
139992
139962
143007
139957

1/4" DIA.

93879

Early and New Design Parts are not individually interchangeable

The Early Design Link is no longer available

142808
3/16" DIA.

Early and New Design Parts are not individually replaceable, (order 146178 Modification Kit)

① Part of 146178 Modification Kit to replace 142808 link or 143017 toggle arm. (See Fig. 1 for additional Parts)

② Accepts driven gear mounted with slotted hub, torque tightened. (Belt Driven)

FIGURE 6. REAR PLATE AND MAGNET PICK-UP

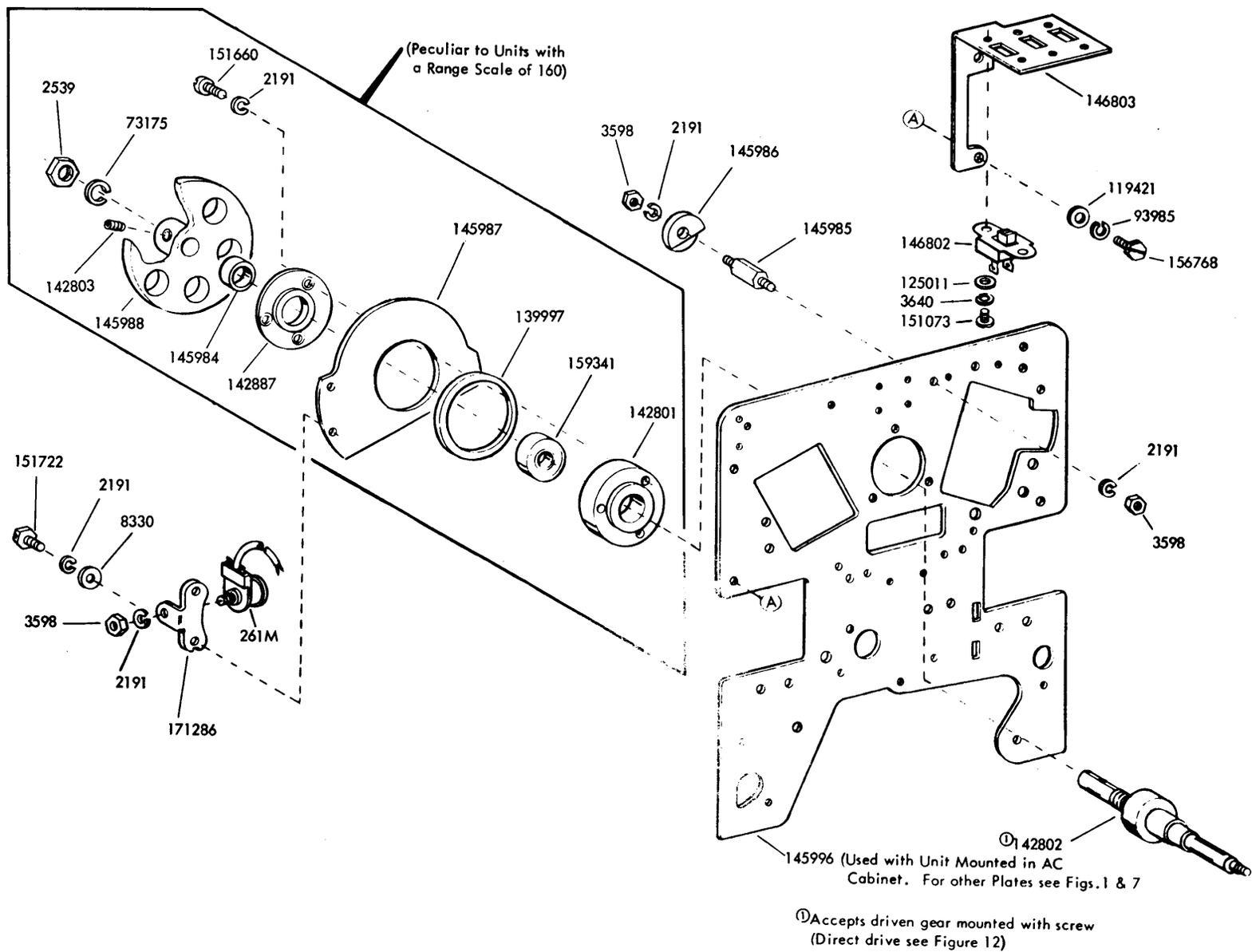
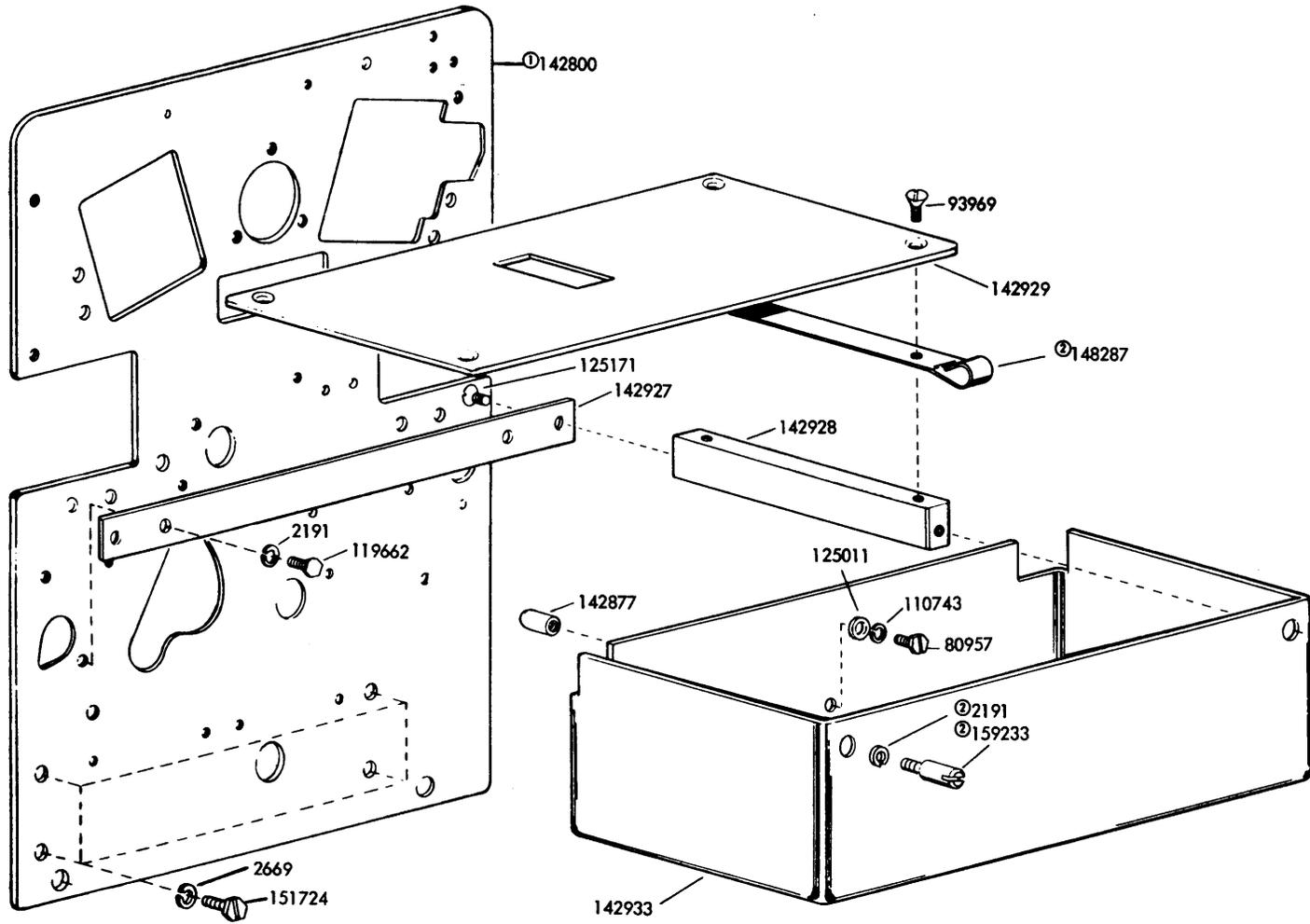
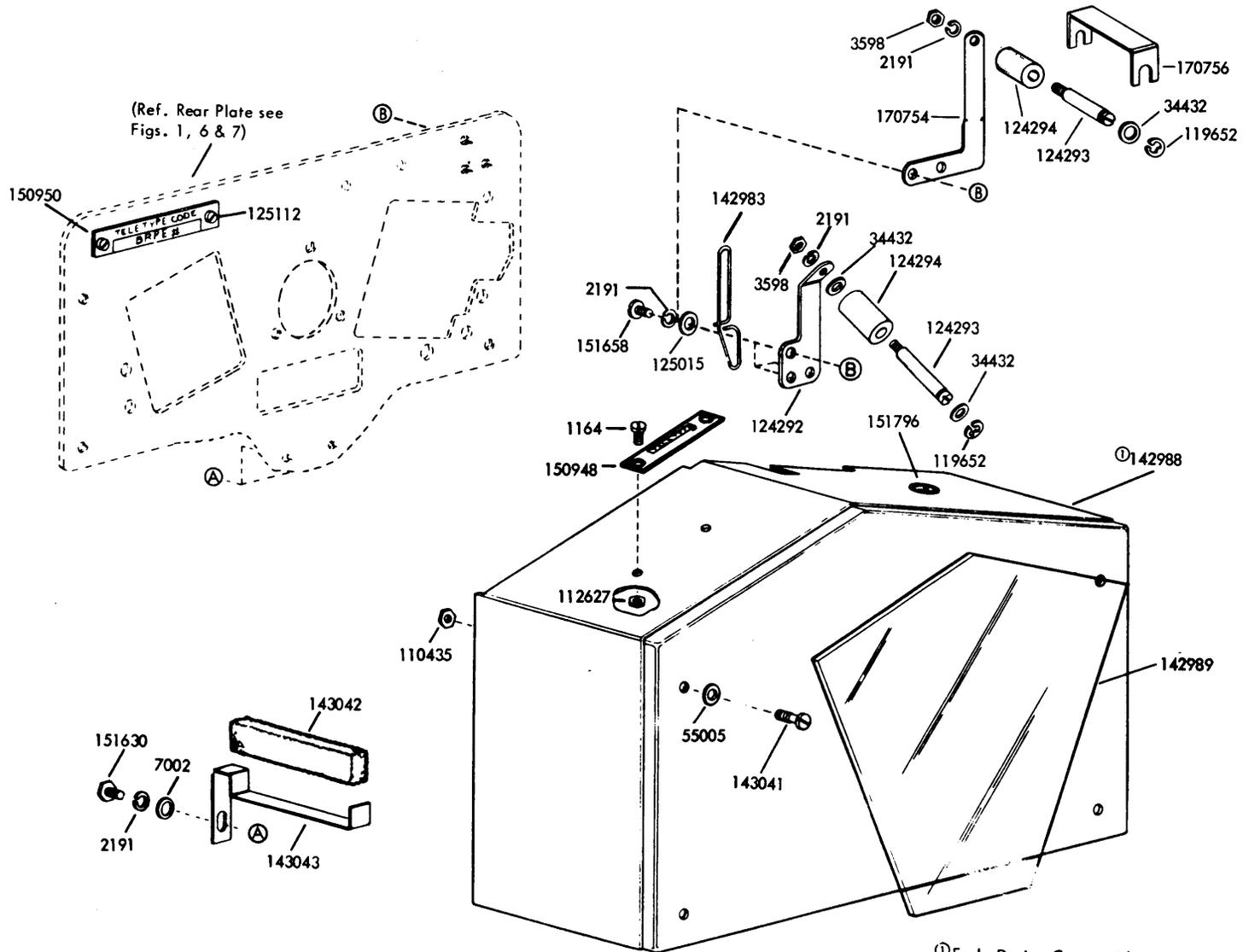


FIGURE 7. CHAD BOX

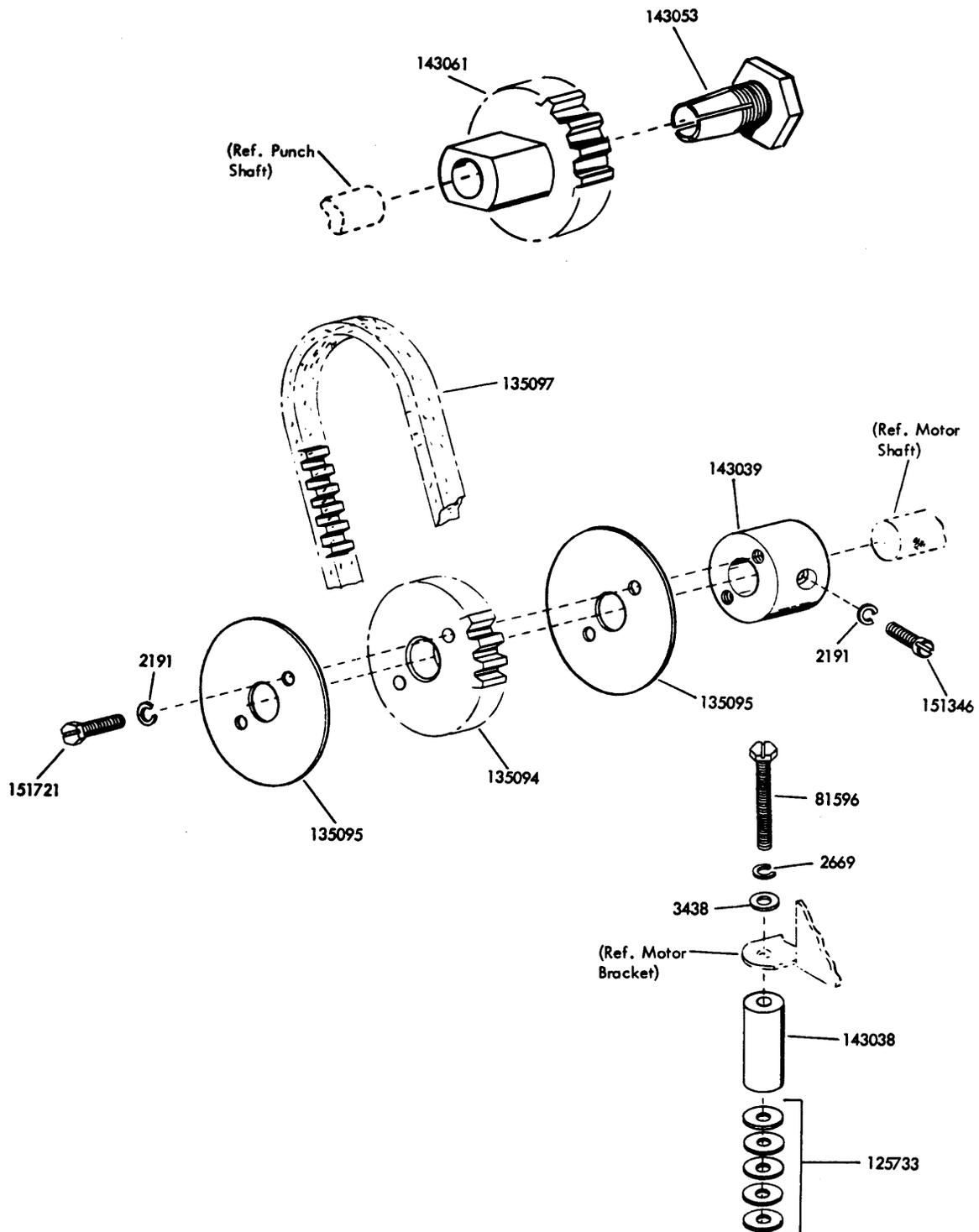


①Used with Self-Contained Sets.
For other Plates see Figs. 1 & 6.
②Part of 148288 Modification Kit to provide improved mounting for chad box (Specification 501685)

FIGURE 8. FRONT COVER

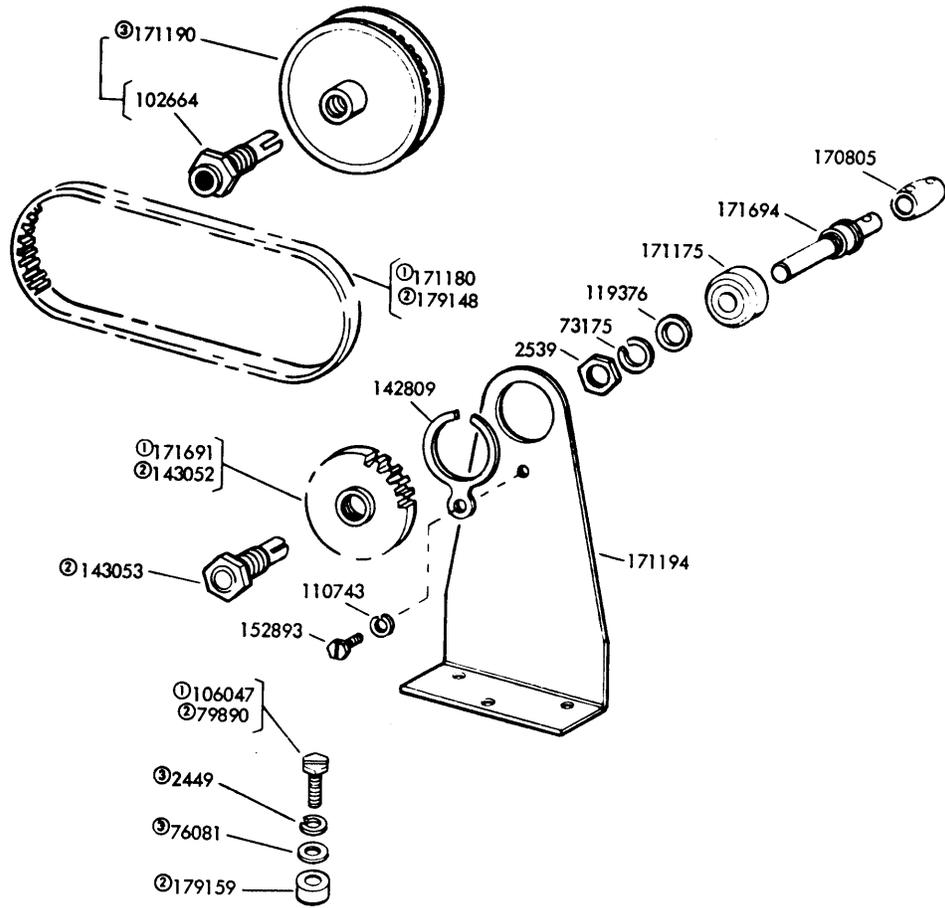


① Early Design Cover with pentagon hole is no longer available. However the window is available as a replacement part.



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)
- ③ Common to both Modification Kits

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

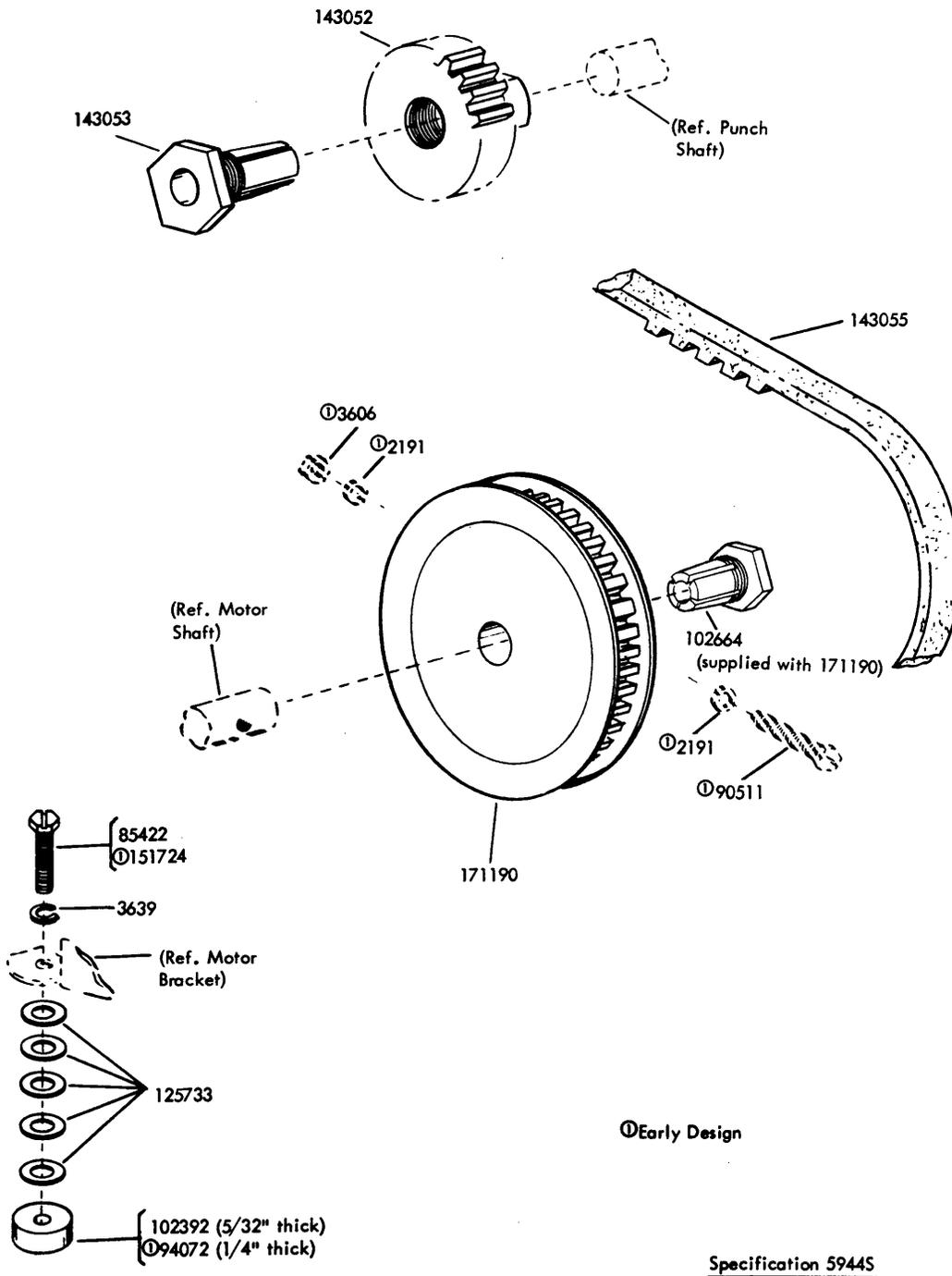
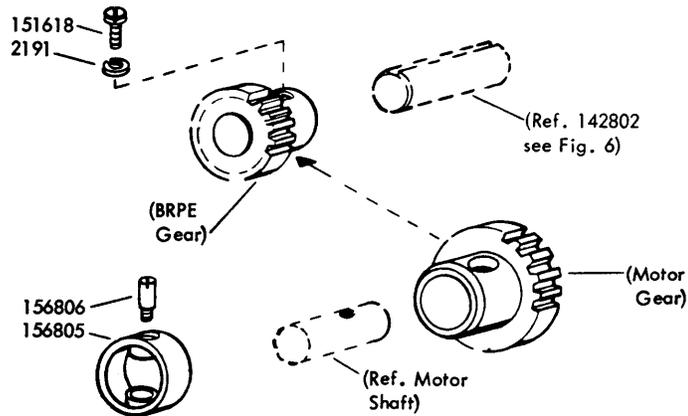


FIGURE 11. 143044 MODIFICATION KIT TO PROVIDE MOTOR MOUNTING AND DRIVE PARTS
(110 CHARACTERS-PER-SECOND)



GEAR CHART				
Gear Set 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. GEAR SETS FOR UNITS MOUNTED IN AC CABINETS

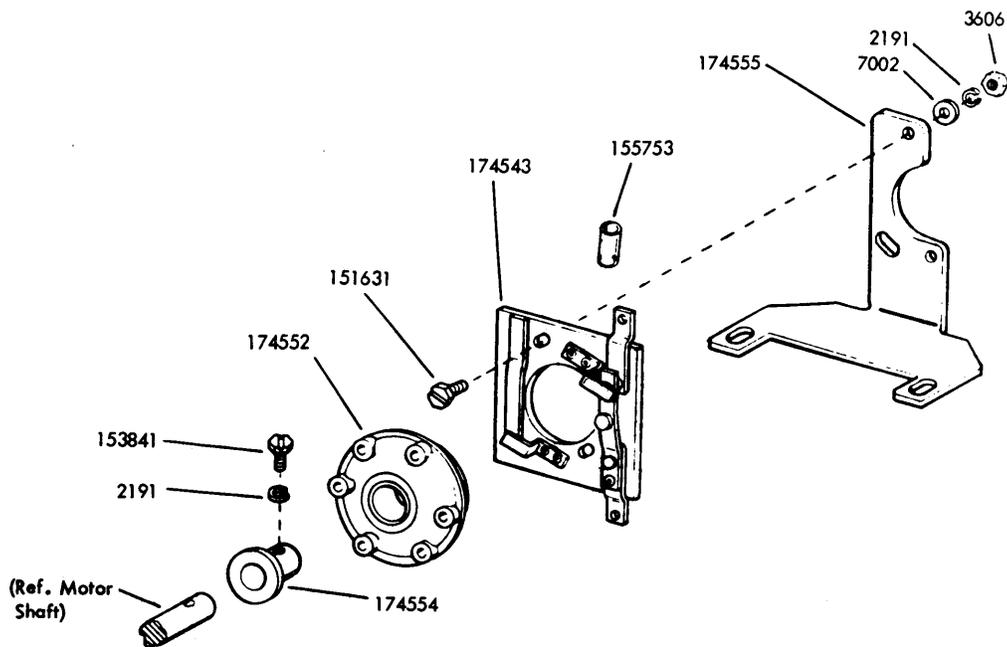
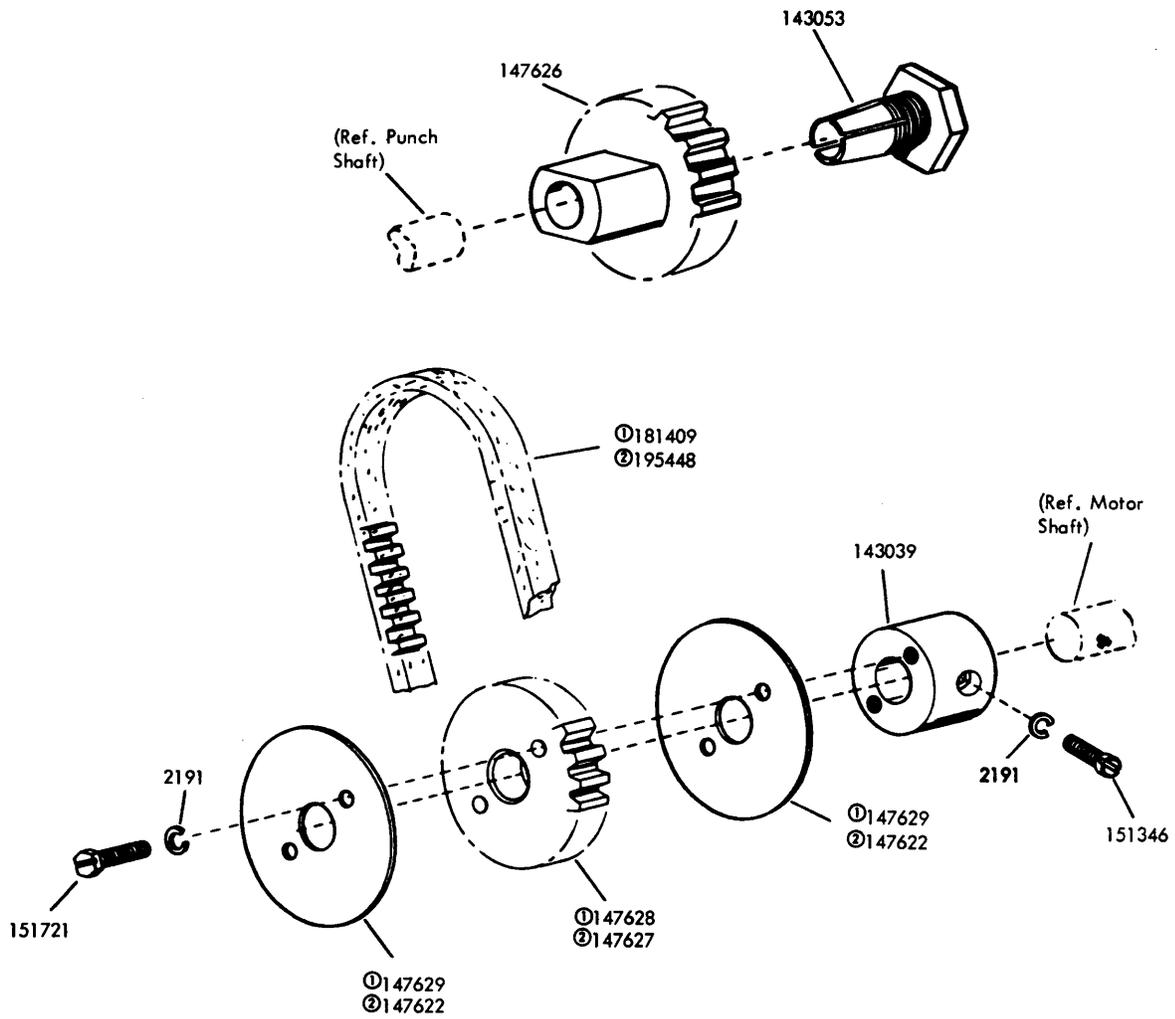


FIGURE 13. 175198 MODIFICATION KIT TO PROVIDE MOTOR RUNNING CONTACTS FOR REPERFORATOR (BRPE)



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

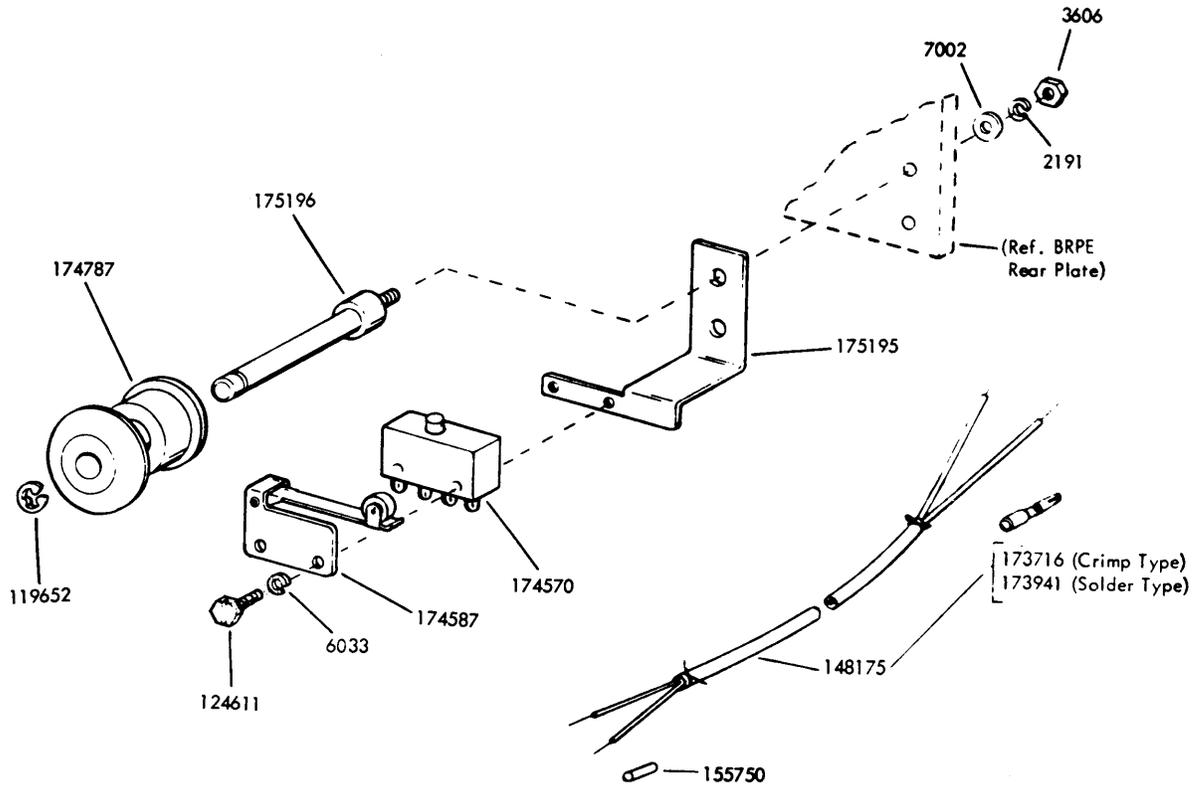
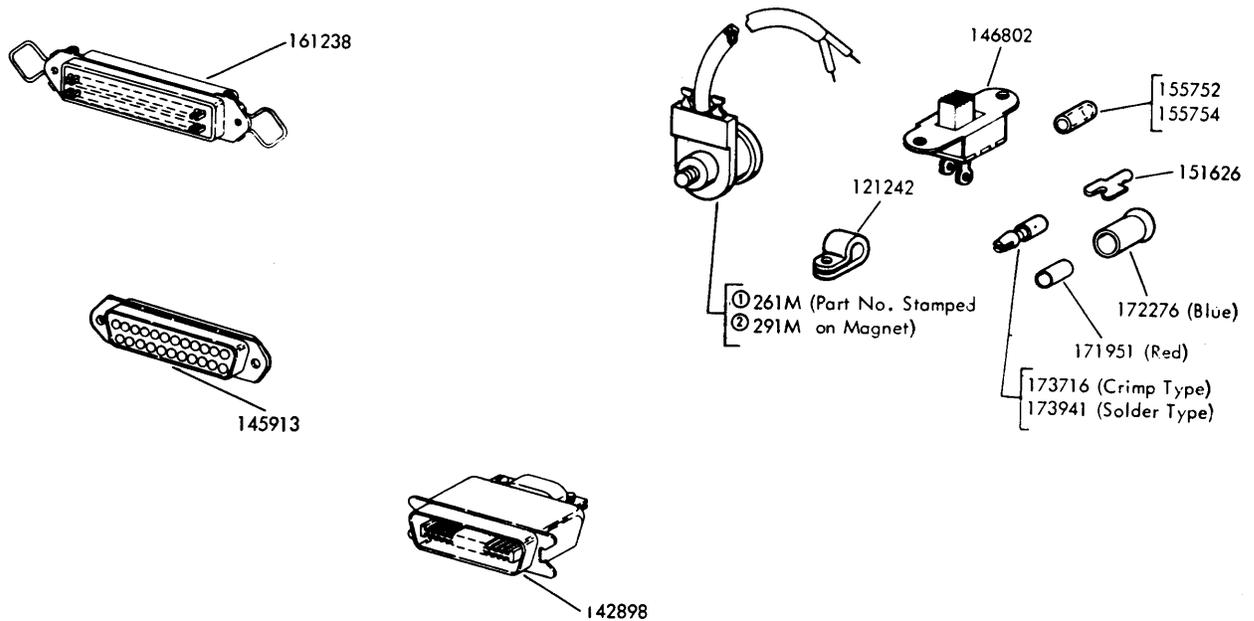


FIGURE 15. 175194 MODIFICATION KIT TO PROVIDE TAPE-OUT CONTACTS AHEAD OF REPERFORATOR (BRPE)



- ① Peculiar to units with a range scale of 160
- ② Peculiar to units with a range scale of 60

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	119651	Ring, Retaining 2, 3	142852	Bracket, Arm Stop 3
291M	Coil, Magnet 15	119652	Ring, Retaining 2, 4, 9, 15	142853	Stud 3
1164	Screw (2-56 x 3/16 Fil) 3, 9	119662	Screw (6-40 Spl) 8	142855	Bracket, Left Spring 3
2191	Washer, Lock 2; 3, 4, 6 to 10,12 to 15	121242	Clamp, Cable (1/8" ID) 15	142856	Bracket, Right Spring 3
2449	Washer, Lock 11	124244	Washer, Felt 3	142865	Screw (6-40 x 2-1/32 Hex) 4
2539	Nut (3/8-32 Hex) 4,6,7,11	124249	Spacer (.217" Thk) 2	142866	Magnet Assembly 3
2669	Washer, Lock 2, 3, 4, 6, 8, 10	124252	Link 2	142867	Yoke 3
3438	Washer, Flat 10	124258	Screw, Shoulder (4-40) 2	142869	Screw (4-40 Spl) 3
3598	Nut (6-40 Hex) 2, 3, 4, 7, 9	124279	Link, Feed Punch 3	142871	Armature 3
3599	Nut (4-40 Hex) 2, 3, 6	124282	Spacer (.044" Thk) 2	142872	Armature 3
3606	Nut (6-40 Hex) 2, 4, 12, 13, 15	124287	Spacer 2	142873	Arm, Detent 4
3639	Washer, Lock 4, 12	124289	Bearing, Ball 6	142876	Spring, Torsion 4
3640	Washer, Lock 2, 3, 4, 6, 7	124292	Bracket 9	142877	Post 8
5740	Screw (2-56 x 1/4 Fil) 5	124293	Stud 9	142880	Plate, Front 6
6033	Washer, Lock 15	124294	Roller 9	142882	Clamp, Bearing 6
7002	Washer, Flat 2, 3, 4, 6, 9,13,15	124300	Spacer (.056" Thk) 2	142887	Retainer 6, 7
8330	Washer, Flat 4,7	124301	Spacer 6	142888	Wheel, Feed 4
34432	Washer, Flat 2, 9	124313	Magnet Assembly 3	142889	Post, Tape Arm 4
36463	Spring 2	124320	Armature 3	142890	Arm, Tape 4
41675	Washer, Flat 2	124355	Insulator (.010") 3	142895	Spring, Torsion 4
42823	Washer, Flat 3, 4, 6	124611	Screw (8-32 x 3/8 Hex) 15	142896	Shaft, Feed Wheel 4
55005	Washer, Flat 9	125011	Washer, Flat 3, 4, 7, 8	142897	Spring, Flat 5
70891	Washer, Lock 4	125015	Washer, Flat 3, 9	142898	Connector, Plug (24 Pt) 15
71073	Washer, Flat 5	125112	Screw (2-56 x 1/8 Fil) 5, 9	142901	Plate 4
73175	Washer, Lock 6, 7, 11	125171	Screw (10-32 x 1/2 Flat) 8	142910	Stud 4
74807	Nut (10-32 Shoulder Hex) 2,4,6	125683	Bushing, Eccentric 4	142911	Plate 4
76081	Washer, Flat 11	125733	Washer, Flat 10, 12	142912	Bushing, Eccentric 4
76953	Washer, Flat 6	125948	Screw (2-56 x 1/8 Fil) 5	142917	Cutter, Tape 4
76983	Screw (4-40 x 1-1/4 Fil) 6	128357	Ring, Retaining 4	142918	Chute, Chad 4
79890	Screw (1/4-32 x 7/8 Hex) 11	130690	Washer, felt 6	142921	Stud 4
80957	Screw (4-40 x 1/4 Hex) 8	135094	Pulley, Toothed (19T) 10	142923	Post 2
81596	Screw (10-32 x 1-3/8 Hex) 10	135095	Retainer, Belt 10	142924	Roller 4
82726	Spring 3	135097	Belt, Toothed (38T) 10	142927	Bar 8
85422	Screw (10-32 x 15/16 Hex) 12	135247	Oiler, Felt 2	142928	Bar 8
86774	Screw, Shoulder (6-40) 2	139957	Bracket 6	142929	Cover, Chad Box 8
89077	Stud 3	139958	Disk 6	142933	Box, Chad 8
89896	Oiler 4	139962	Flywheel W/Block 6	142942	Bracket W/Tape Guide 4
90361	Washer, Felt 2	139991	Post, Spring 2	142944	Eccentric 4
90437	Wick, Felt 4	139992	Button 6	142946	Pawl, Blocking 3
90511	Screw (6-40 x 13/16 Hex) 12	139997	Washer, Spring 6, 7	142949	Pawl, Blocking 3
90791	Washer, Lock 5	142800	Plate, Rear 8	142983	Guide, Tape 9
92806	Screw, Shoulder (6-40) 4	142801	Housing, Bearing 6, 7	142988	Cover 9
93117	Washer, Lock 3, 5	142802	Shaft W/Bearing 7,13	142989	Window, Plastic 9
93118	Washer, Lock 5	142803	Screw, Set (10-32) 6, 7	142992	Plate W/Post 3
93879	Oiler, Felt 6	142805	Spacer (.060") 6	142994	Bar, Magnet Mounting (RT) 3
93969	Screw (4-40 x 3/16 Flat) 8	142806	Shield, Bearing 6	142995	Bar, Magnet Mounting (RB) 3
93985	Washer, Lock 7	142807	Bearing, Ball 6	142996	Bar, Magnet Mounting (LT) 3
94072	Bushing 12	142808	Link, Feed Bearing 2,6	142997	Bar, Magnet Mounting (LB) 3
94693	Wick, Felt 2	142809	Clamp, Bearing 6, 11	142998	Screw (6-40 x 3/8 Flat) 3
102374	Wick, Felt 2	142811	Shaft, Punch Bail 2	143006	Lever 2
102392	Spacer 12	142812	Stud, Toggle Arm 2	143007	Pick-Up, Magnetic 6
102664	Hub 11, 12	142828	Pawl, Feed 2	143014	Link 2
102751	Nut (10-32 Hex) 4	142829	Pin 2	143016	Arm, Toggle 2
106047	Screw (1/4-32 x 1/2 Shoulder Hex) 11	142830	Spring, Torsion 2	143017	Arm, Toggle 2, 6
110435	Nut (4-40 Hex) 2, 3, 9	142833	Arm, Bearing 6	143019	Spacer (.249" Thk) 2
110743	Washer, Lock 2, 3, 4, 6, 8, 11	142834	Bail, Toggle Arm 2	143020	Spacer (.106" Thk) 2
111017	Screw (6-40 x 5/16 Fil) 2	142835	Shaft, Toggle Arm 3	143021	Plate 2
111410	Washer, Flat 6	142839	Bearing, Ball 6	143026	Eccentric 2
112620	Screw (4-40 x 1/2 Hex) 4	142840	Clamp, Bearing 6	143028	Scale 2
112627	Nut (2-56 Hex) 9	142841	Counterweight 6	143038	Spacer 10
112633	Spring W/Wick 5	142842	Key 6	143039	Hub 10, 14
112769	Washer, Flat 2	142844	Spacer Bearing Arm 6	143040	Ring, Retaining 4
115221	Washer, Felt 2	142845	Clip, Bearing 6	143041	Screw (4-40 Spl) 9
119376	Washer, Flat 11	142846	Bracket, Link Pivot 3	143042	Oiler, Felt 9
119421	Washer, Flat 7	142847	Shaft, Link 3	143043	Bracket, Oiler 9
119648	Ring, Retaining 2,5	142848	Clamp 3	143044	Modification Kit 1,12
		142849	Wick, Felt 3	143045	Link 2,4
		142850	Clamp, Spring 3		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
143048	Spring, Torsion 2	146284	Guide, Tape (Adjustable) 4	155752	Sleeve, Insulating (5/64 ID x 1/2" Lg) 15
143050	Plate, Stop 3	146286	Plate W/Posts 4	155753	Sleeve, Insulating (1/8 ID x 1/2" Lg) 3, 13
143052	Pulley, Toothed (24T) 11, 12	146677	Block Assembly, Punch 5	155754	Sleeve, Insulating (1/16 ID x 1/2" Lg) 15
143053	Hub 10, 11, 12, 14	146678	Link, Drag 3	156536	Screw (4-40 x 1/8 Fil) 4
143055	Belt, Toothed (65T) 12	146685	Guide, Tape 4	156632	Screw (6-40 x 13/32 Hex) 3
143056	Block Assembly, Punch 5	146802	Switch (SP-ST) 7, 15	156768	Screw (8-32 x 9/32 Hex) 7
143061	Pulley, Toothed (18T) 10	146803	Bracket 7	156805	Retainer, Pinion 13
143062	Modification Kit 1, 10	146862	Spacer 4	156806	Post 13
143066	Magnet Assembly 3	146947	Gear Set 13	158186	Screw (4-40 x 7/32 Fil) 3, 4
143072	Shield, Bearing 6	146948	Gear (62T) 13	158207	Screw, Set (10-32) 6
143073	Spacer (.06"Thk) 6	146949	Gear (28T) 13	159233	Stud 8
143074	Wick, Felt 3	146958	Gear (51T) 13	159341	Bearing, Ball 7
143077	Spring 3	146959	Gear (28T) 13	161238	Connector, Receptacle (36Pt) 15
143078	Arm, Long Toggle 3	146966	Gear Set 13	170751	Block Assembly, Punch 5
143079	Arm, Short Toggle 3	147622	Retainer, Belt 14	170752	Plate, Rear 2
143080	Link, Drag 3	147623	Modification Kit 1, 14	170754	Bracket 9
143088	Guide, Tape 4	147624	Modification Kit 1, 14	170756	Bracket, Tape Guide 9
143091	Roller 4	147626	Pulley, Toothed (15T) 14	170766	Spacer 4
143097	Ring, Retaining 2	147627	Pulley, Toothed (33T) 14	170805	Coupling, Flexible 11
145808	Block Assembly, Punch 5	147628	Pulley, Toothed (19T) 14	171175	Bearing, Ball 11
145861	Link W/Hub 2	147629	Retainer, Belt 14	171180	Belt, Toothed (100T) 11
145862	Link, Feed Bearing 6	147773	Flywheel 6	171190	Pulley, Toothed (44T) 11, 12
145864	Block, Pawl 4	147774	Clamp 6	171194	Bracket W/Bearing 11
145865	Arm, Toggle 2	147775	Bracket, Mounting 6	171286	Bracket, Mounting 7
145866	Guide 4	148175	Cable W/Terminals 15	171691	Pulley, Toothed (30T) 11
145873	Plate 4	148287	Spring, Detent 8	171692	Shaft 6
145874	Link W/Bushing 2	148288	Modification Kit 8	171694	Shaft 11
145875	Ring, Retaining 2	150948	Plate, Identification (Teletype) 9	171826	Modification Kit 11
145877	Guide 4	150950	Plate, Code 9	171951	Connector, Shielding (Red) 15
145913	Connector, Receptacle Type (25 Pt) 15	151073	Screw (4-40 x 5/32 Fil) 7	172276	Connector, Insulated (Blue) 15
145984	Spacer (.499" Thk) 7	151152	Screw (4-40 x 3/16 Hex) 6	173716	Terminal, Receptacle Type 15
145985	Post 7	151346	Screw (6-40 x 3/8 Fil) 10, 14	173941	Terminal, Receptacle type 15
145986	Indicator 7	151618	Screw (6-40 x 7/16 Fil) 13	173974	Screw (10-32 x 5/16 Hex) 4
145987	Disk 7	151626	Terminal 15	174543	Switch 13
145988	Flywheel W/Magnet 7	151630	Screw (6-40 x 1/4 Hex) 4, 6, 9	174552	Rotor, Centrifugal 13
145991	Bar, Magnet Mounting (RT) 3	151631	Screw (6-40 x 5/16 Hex) 3, 13	174554	Hub, Switch 13
145992	Bar, Magnet Mounting (LT) 3	151637	Screw (4-40 x 1/4 Fil) 6	174555	Bracket, Switch 13
145993	Bar, Magnet Mounting (LB) 3	151658	Screw (6-40 x 5/16 Fil) 4, 9	174570	Switch 15
145994	Bar, Magnet Mounting (RB) 3	151660	Screw (6-40 x 7/8 Fil) 6, 7	174587	Actuator, Switch 15
145995	Plate 4	151686	Screw (4-40 x 3/8 Fil) 3	174787	Roller 15
145996	Plate, Rear 3, 7	151694	Screw (6-40 x 11/32 Fil) 4	175194	Modification Kit 1, 15
145997	Gear Set 13	151721	Screw (6-40 x 3/4 Hex) 10, 14	175195	Bracket 15
145998	Gear (25T) 13	151722	Screw (6-40 x 3/16 Hex) 4, 7	175196	Stud 15
145999	Gear (45T) 13	151724	Screw (10-32 x 5/8 Hex) 8, 12	175198	Modification Kit 1, 13
146177	Modification Kit 2, 4	151796	Plate, Identification (Bell) 9	179148	Belt, Toothed (95T) 11
146178	Modification Kit 2, 6	151880	Nut (4-40 Hex) 6	179149	Modification Kit 11
146261	Block Assembly, Punch 5	152426	Nut, Self-Locking (6-40) 6	179159	Spacer 11
146262	Spring, Biasing 5	152893	Screw (4-40 x 1/4 Hex) 3, 11	181409	Belt, Toothed (47T) 14
146263	Spring, Biasing 5	153441	Screw (10-32 x 7/16 Hex) 4	195277	Gear (18T) 13
146264	Link, Operating 5	153442	Screw (10-32 x 1/2 Hex) 3	195278	Gear (39T) 13
146265	Arm w/Hub 5	153799	Screw (4-40 x 21/64 Hex) 3	195279	Gear Set 13
146270	Post, Spring 5	153841	Screw (6-40 x 9/16 Hex) 13	195448	Belt, Toothed (55T) 14
146273	Post 5	155750	Sleeve, Insulating (3/32 ID x 1/2" Lg) 15		