

HIGH SPEED TAPE PUNCH (DRPE)
PARTS

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FIGURE 1. MAIN FRAME AND MAGNET ASSEMBLIES WITHOUT SILENCING BUMPERS (5 Level)

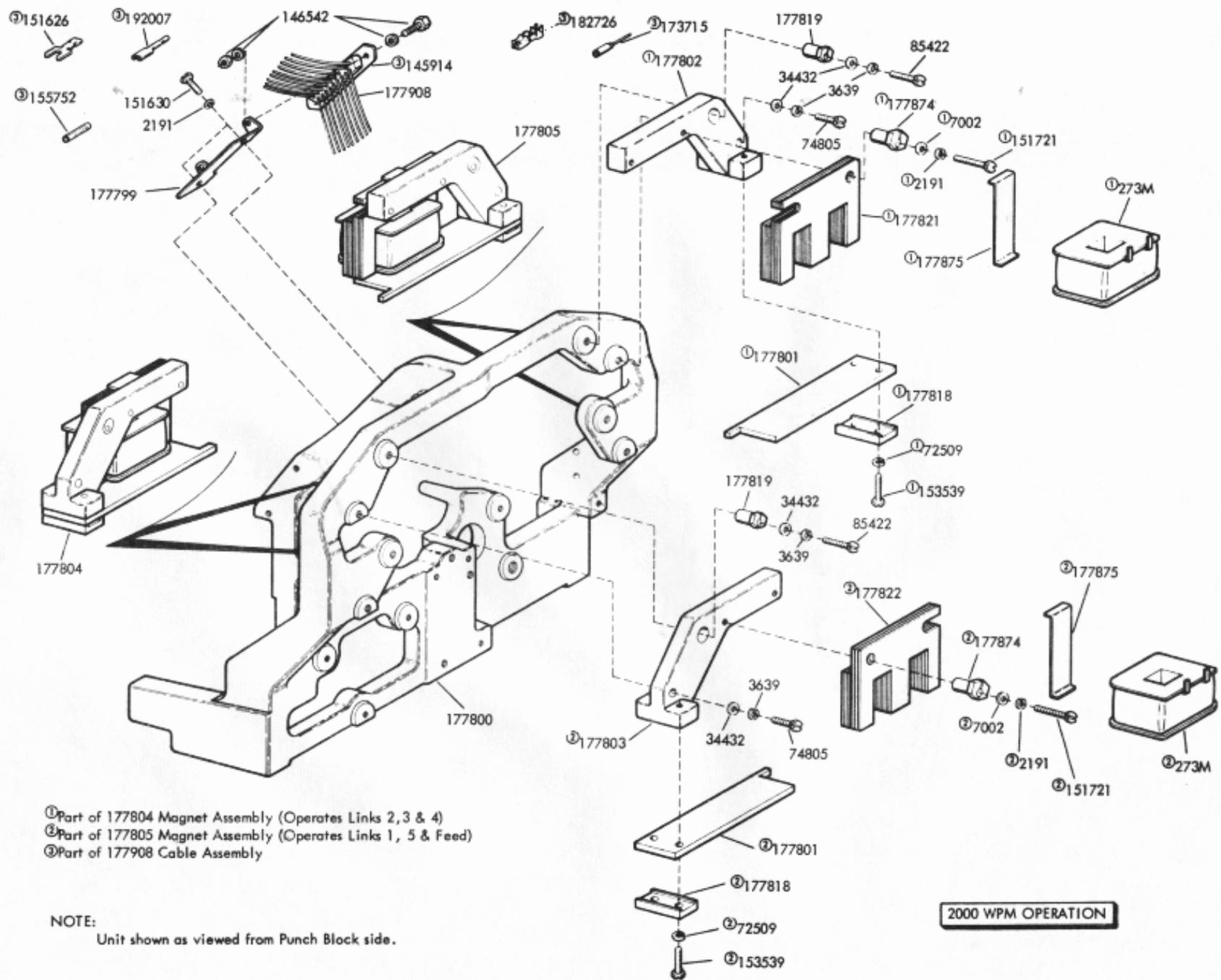
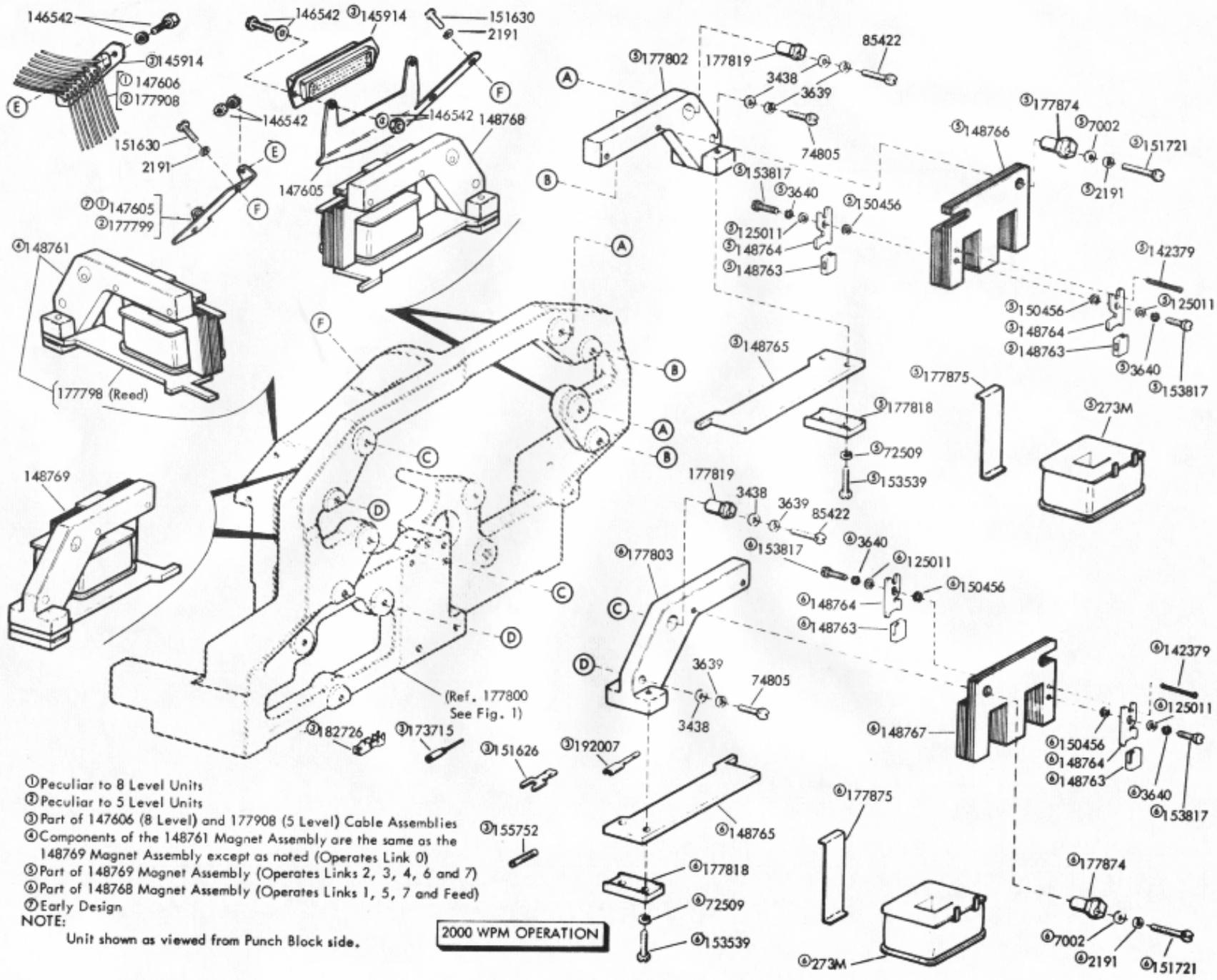


FIGURE 2. MAIN FRAME AND MAGNET ASSEMBLIES WITH SILENCING BUMPERS (5 and 8 Level)



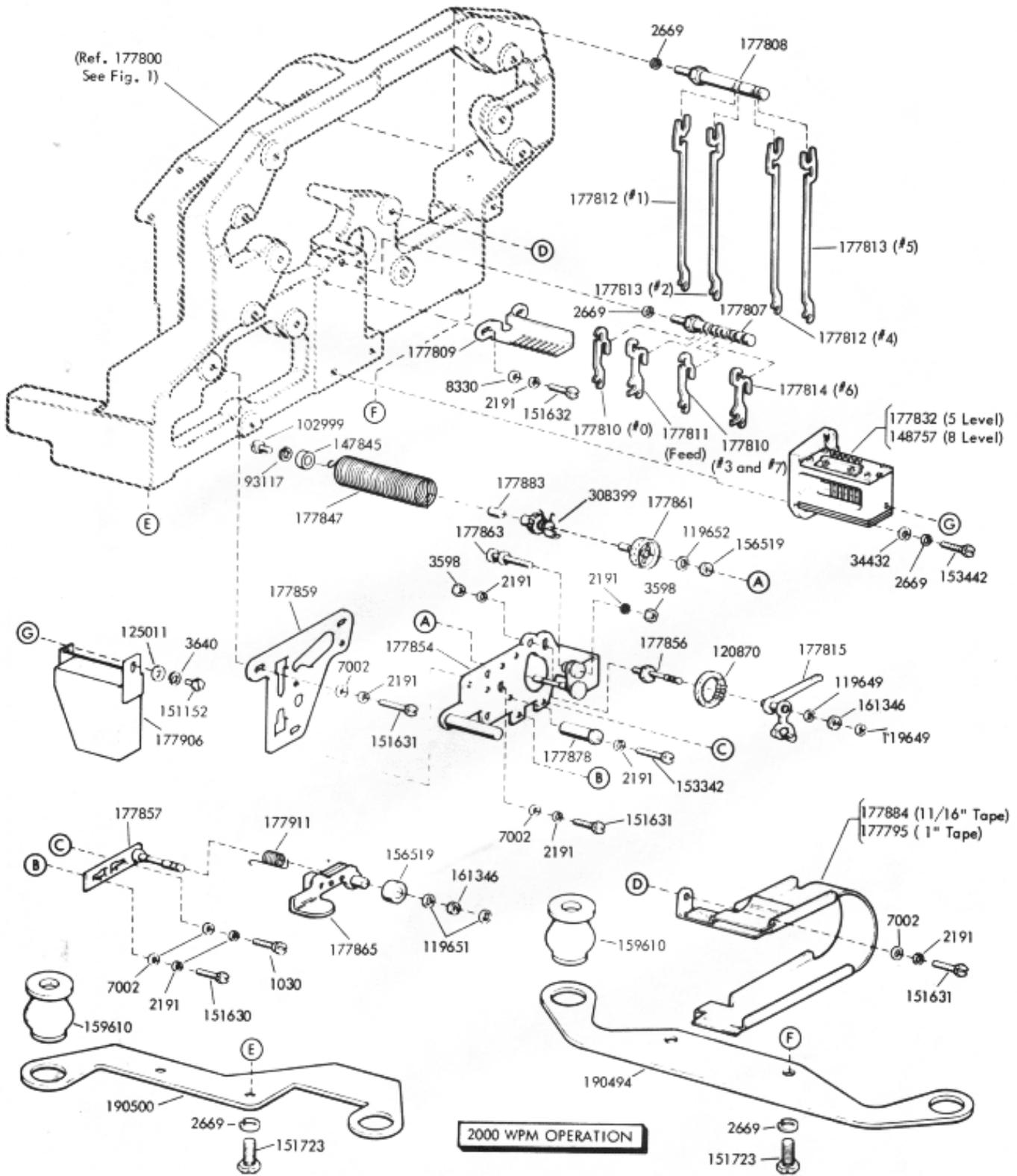
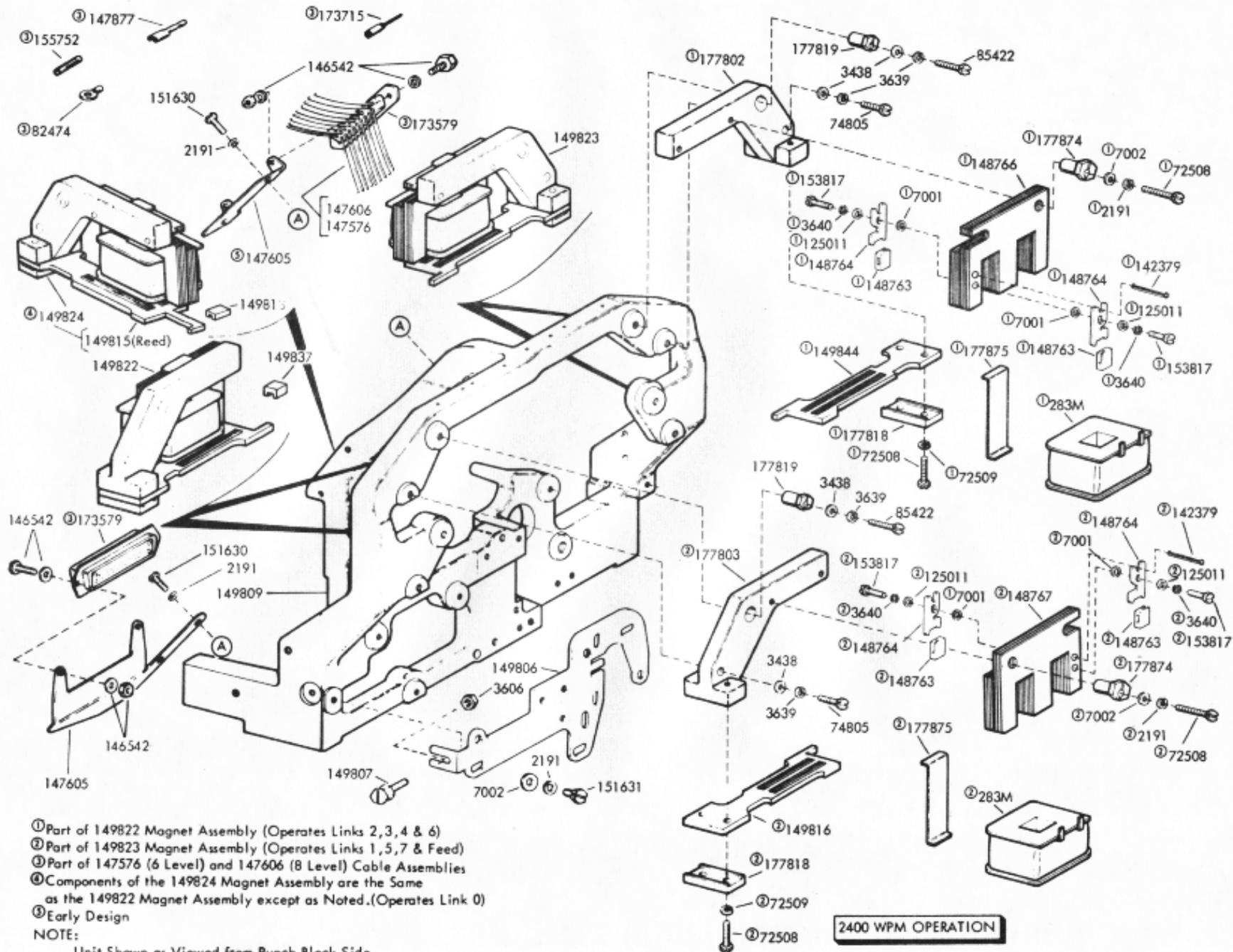


FIGURE 3. PUNCH BLOCK AND FEED MECHANISM (5 and 8 Level)

FIGURE 4. MAIN FRAME AND MAGNET ASSEMBLIES WITH SILENCING BUMPERS (6 and 8 Level)



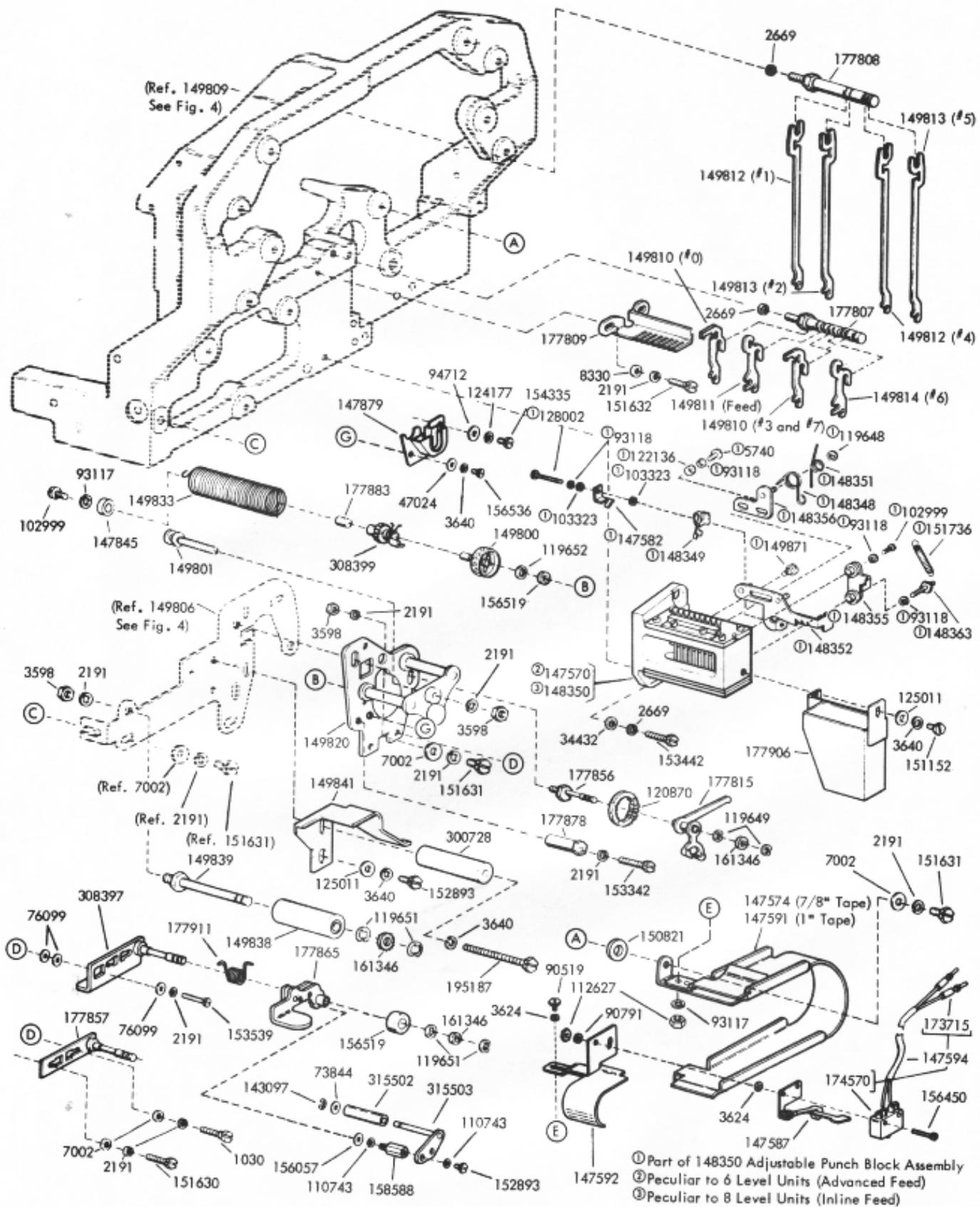
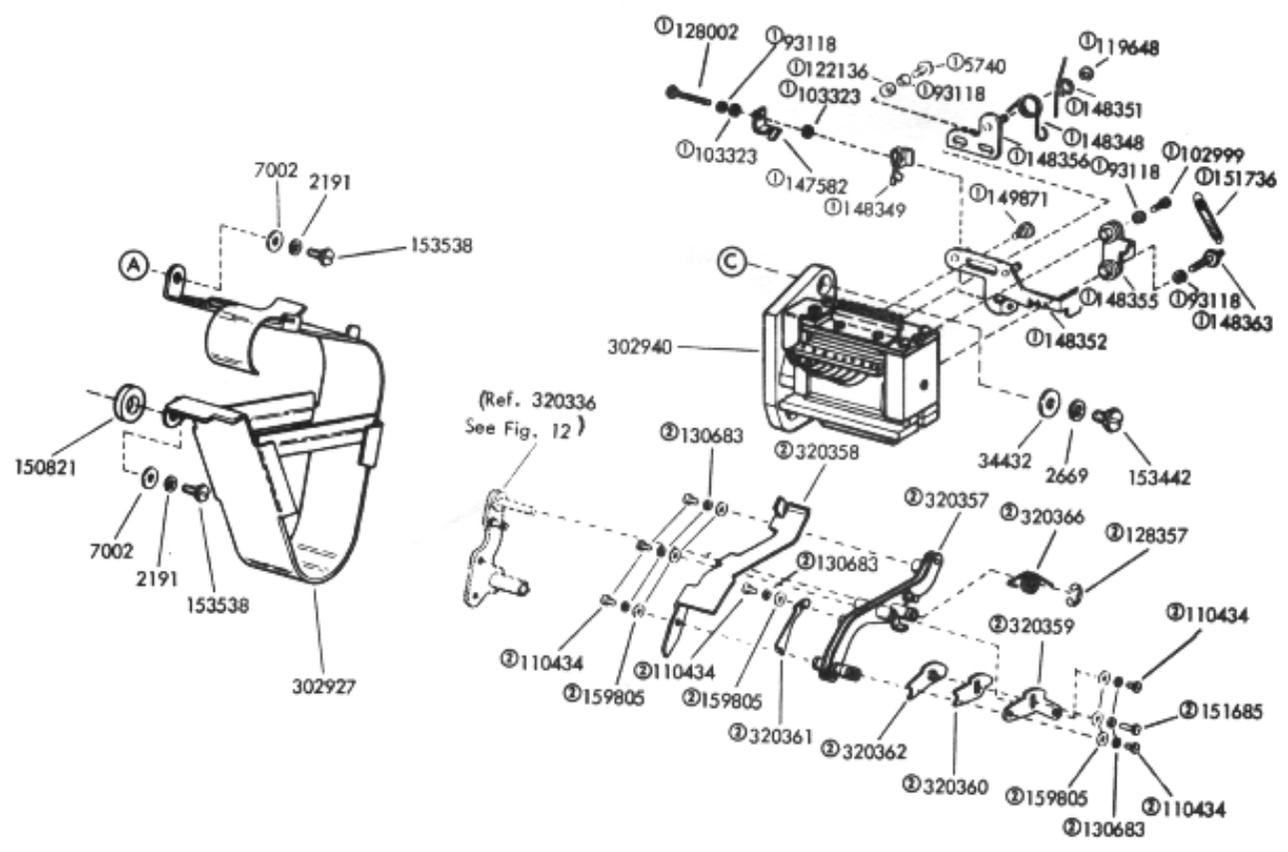
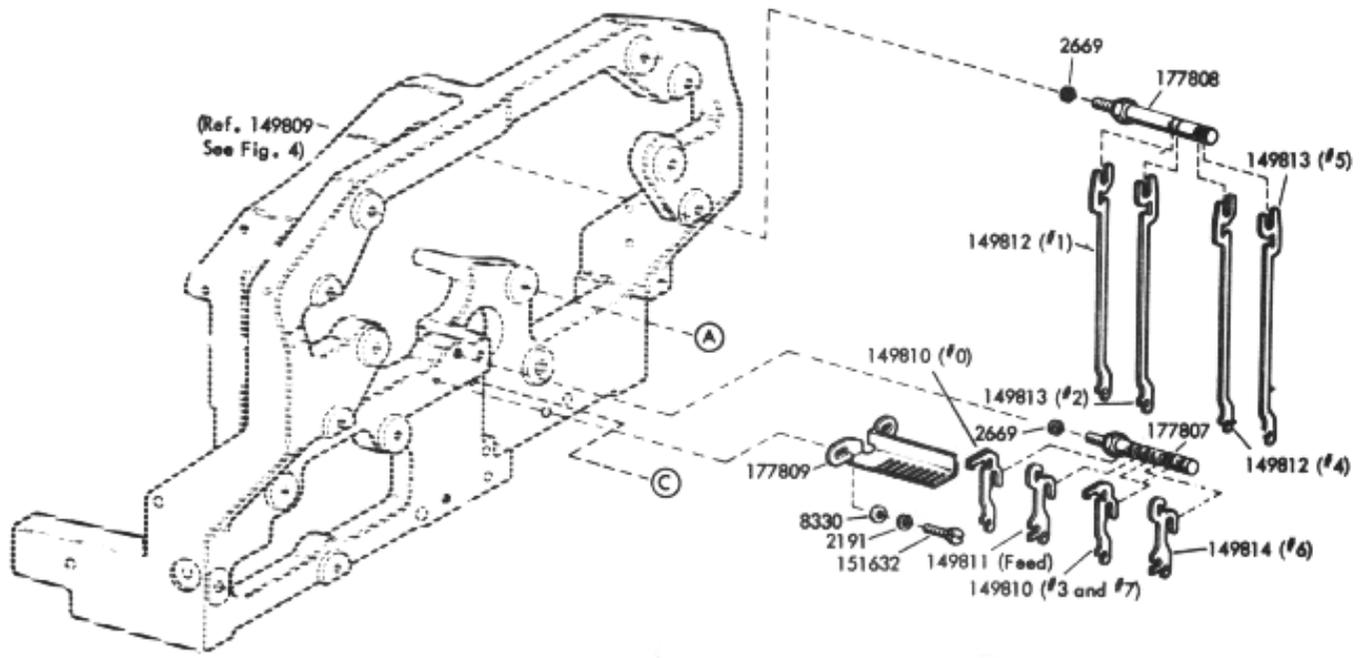


FIGURE 5. PUNCH BLOCK AND FEED MECHANISM (6 and 8 Level)



① Part of 302940 Punch Block Assembly w/verifier
② 320385 Tape Guide Assembly for Back-up Mechanism

FIGURE 6. PUNCH BLOCK WITH VERIFIER AND TAPE GUIDES FOR BACK-UP MECHANISM

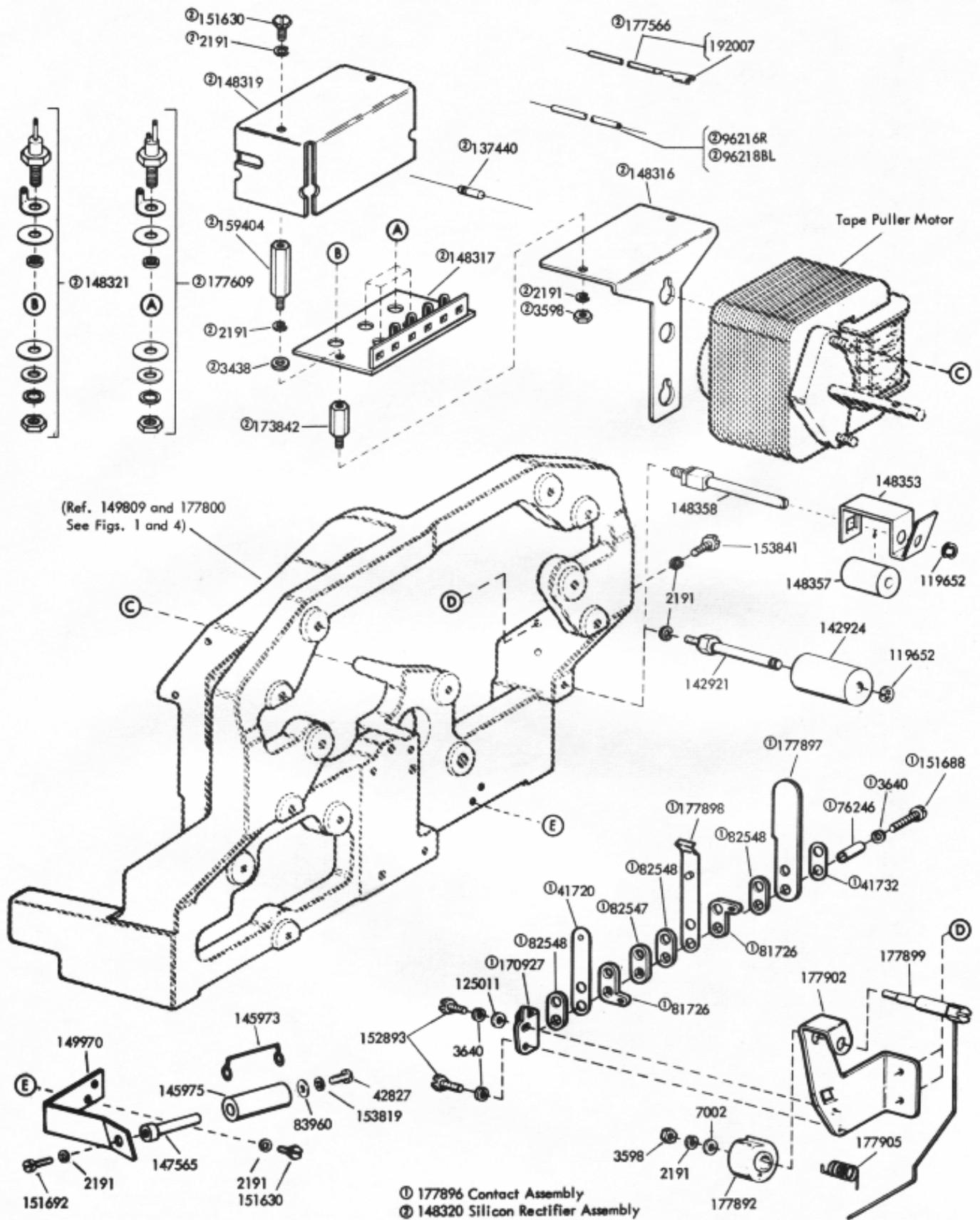


FIGURE 8. ELECTRICAL COMPONENTS

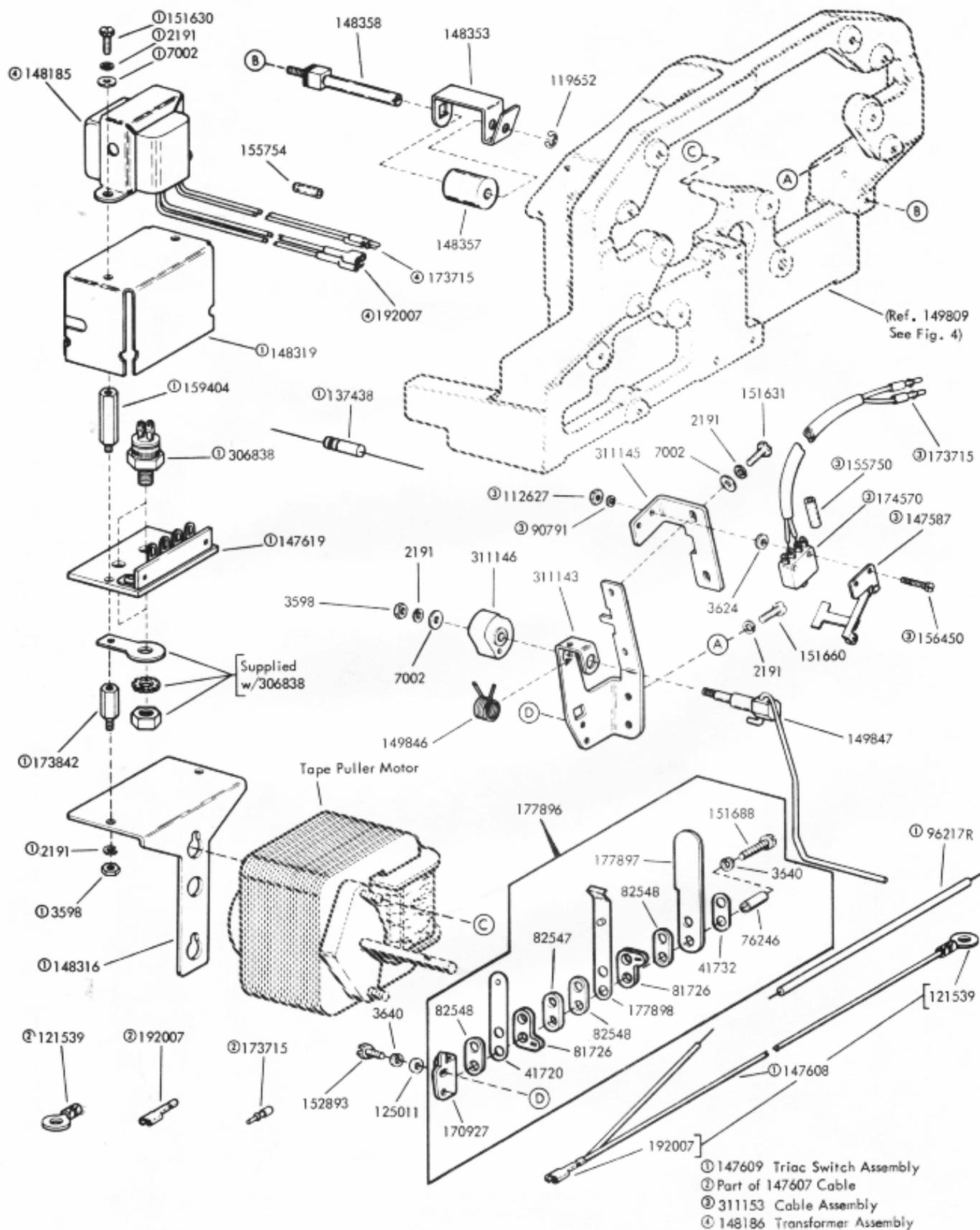


FIGURE 9. ELECTRICAL COMPONENTS

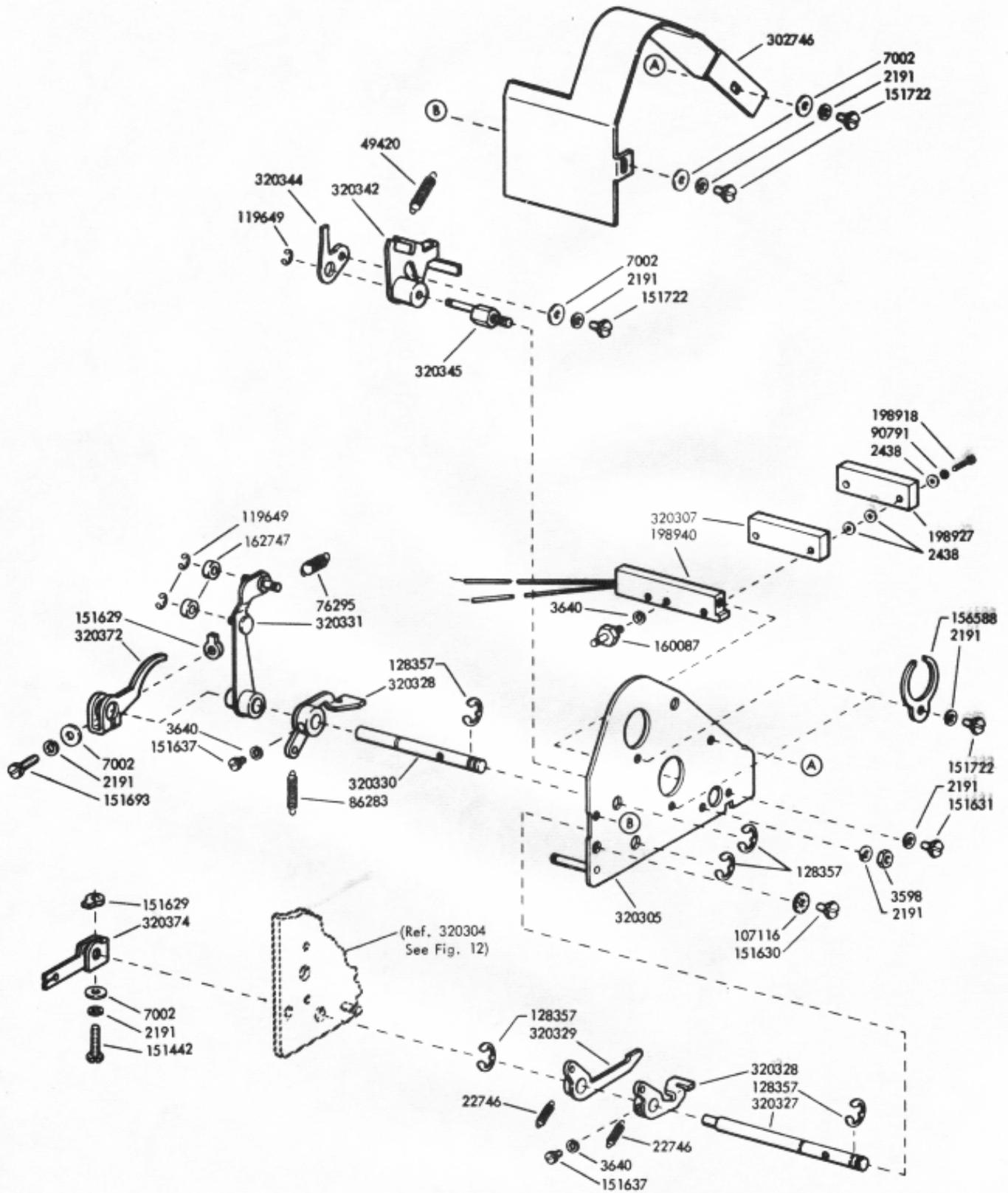


FIGURE 10. 320377 FRONT PLATE ASSEMBLY FOR BACK-UP MECHANISM

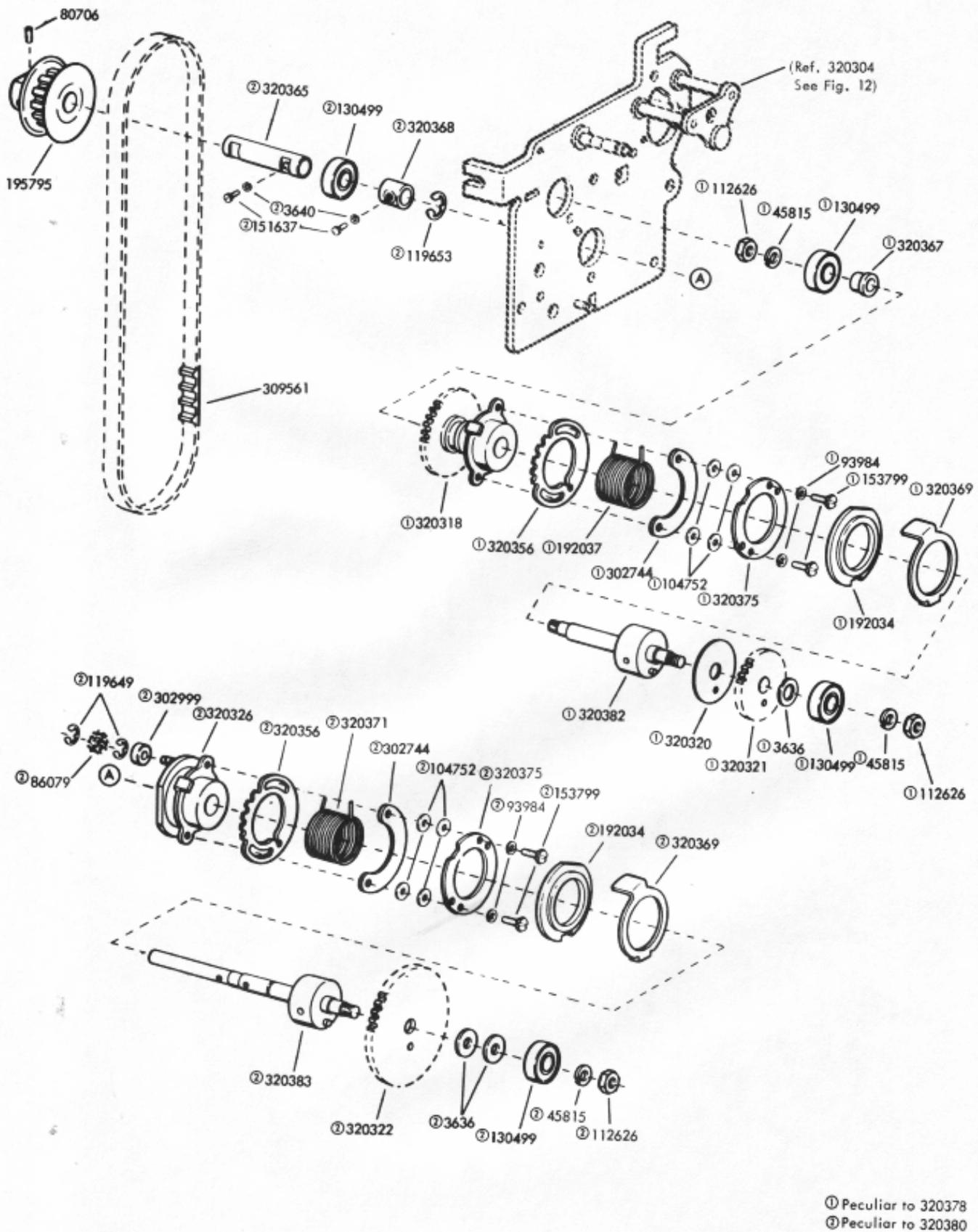


FIGURE 11. 320378 (INTERMEDIATE) AND 320380 (DRIVE) SHAFT ASSEMBLIES

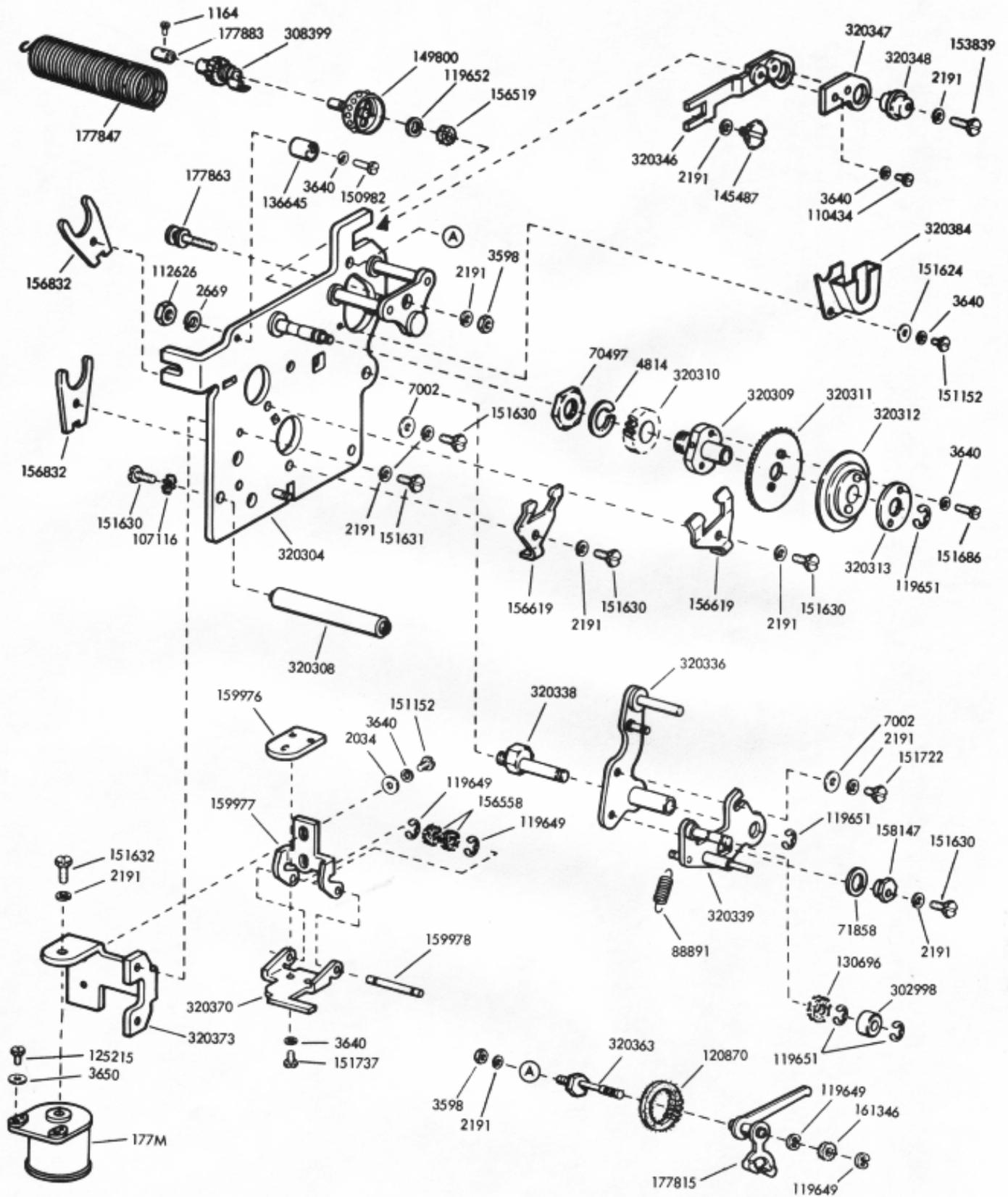


FIGURE 12. 320376 REAR PLATE ASSEMBLY FOR BACK-UP MECHANISM

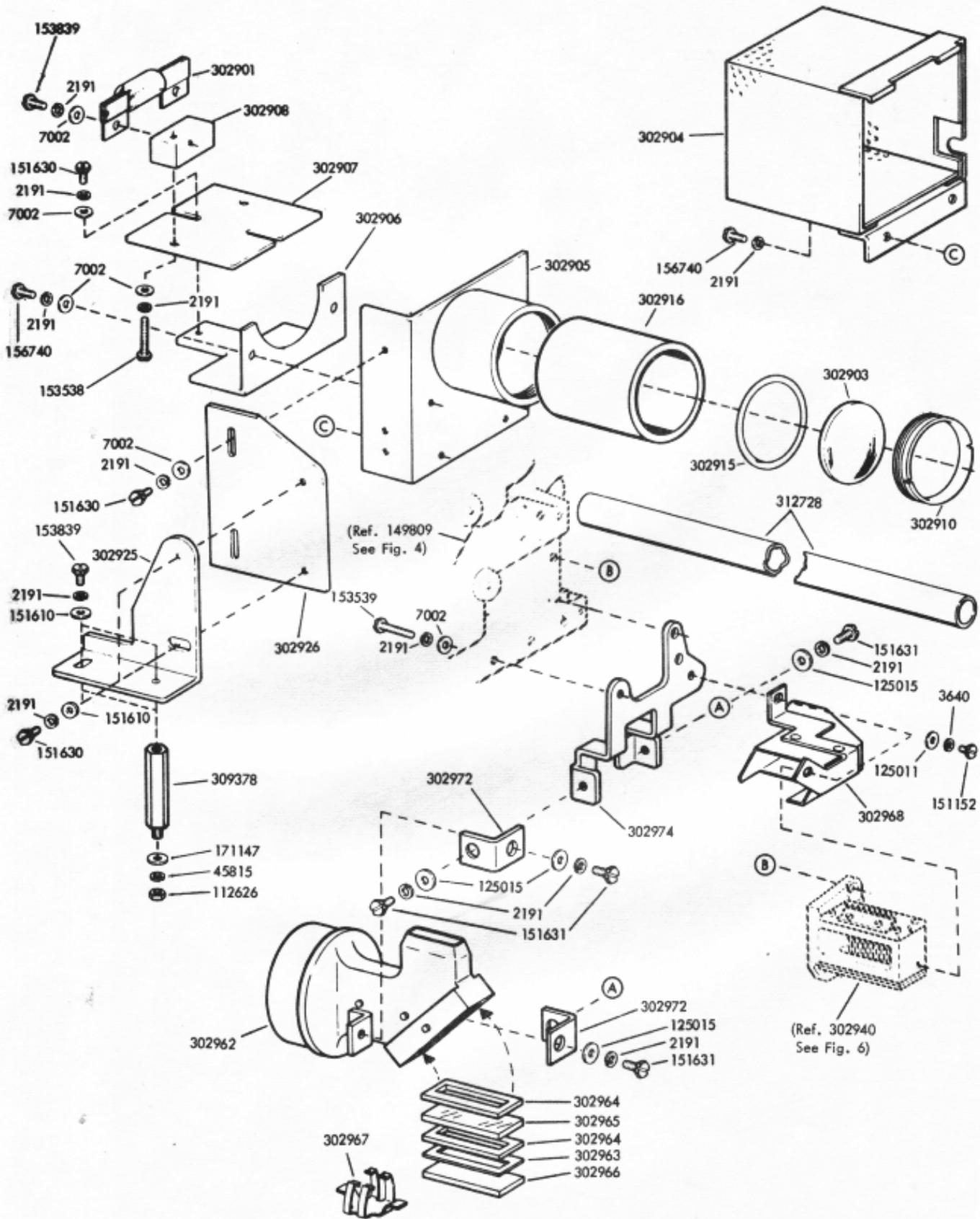


FIGURE 13. LIGHT SOURCE ASSEMBLY

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Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
177M	Coil, Magnet 13	102999	Screw, 2-56 x 5/32 Fil 4, 6, 7	147845	Bushing 4, 6
273M	Coil, Magnet 2, 3	103323	Washer, Flat 6, 7	147877	Terminal, Receptacle Type 5
283M	Coil, Magnet 5	104752	Washer, Flat 12	147879	Retainer w/Plate 6
1030	Screw, 6-40 Shoulder 4, 6	107116	Washer, Lock 11, 13	148185	Transformer 10
1164	Screw, 2-56 x 3/16 Fil 13	108713	Washer, Lock 8	148186	Transformer Assembly 10
1178	Screw, 2-56 x 7/16 Fil 8	110434	Screw, 4-40 x 3/16 Fil 7, 13	148316	Bracket 9, 10
2034	Washer, Flat 13	110743	Washer, Lock 6	148317	Plate, Mounting 9
2191	Washer, Lock 2 to 11, 13, 14	112626	Nut, 10-32 Hex 8, 12, 13, 14	148319	Cover 9, 10
2438	Washer, Flat 11	112627	Nut, 2-56 Hex 6, 10	148320	Rectifier Assembly, Silicone 9
2669	Washer, Lock 4, 6, 7, 8, 13	113178	Screw, 4-40 x 1 Fil 8	148321	Rectifier 9
3438	Washer, Flat 3, 5, 8, 9	119648	Ring, Retaining 6, 7	148348	Spring, Torsion 6, 7
3598	Nut, 6-40 Hex 4, 6, 8 to 11, 13	119649	Ring, Retaining 4, 6, 8, 11, 12, 13	148349	Spring, Bias 6, 7
3606	Nut, 6-40 Hex 5	119651	Ring, Retaining 4, 6, 8, 13	148350	Block Assembly, Punch 6
3624	Washer, Flat 6, 10	119652	Ring, Retaining 4, 6, 8, 9, 10, 13	148351	Spring, Torsion 6, 7
3636	Washer, Flat 12	119653	Ring, Retaining 12	148352	Lever 6, 7
3639	Washer, Lock 2, 3, 5	120870	Wick, Felt 4, 6, 13	148353	Guide, Tape 9, 10
3640	Washer, Lock 3 to 6, 8 to 14	121250	Clamp, 3/4 ID 8	148355	Bracket w/Hub 6, 7
3650	Washer, Flat 13	121539	Terminal 10	148356	Bracket w/Post 6, 7
4814	Washer, Lock 13	122136	Spacer, .040" Thk 6, 7	148357	Roller 9, 10
5740	Screw, 2-56 x 1/4 Fil 6, 7	124177	Washer, Lock 6	148358	Post 9, 10
7001	Washer, Flat 5	125011	Washer, Flat 3 to 6, 8 to 10, 14	148363	Post, Spring 6, 7
7002	Washer, Flat 2 to 11, 13, 14	125015	Washer, Flat 14	148757	Block Assembly, Punch 4
8330	Washer, Flat 4, 6, 7	125215	Screw, 4-40 x 3/16 Hex 13	148761	Magnet Assembly, "O" 3
22746	Spring 11	125218	Nut, 1/4-32 Hex 8	148763	Bumper, Rubber 3, 5
34432	Washer, Flat 2, 4, 6, 7, 8	128002	Screw, 2-56 x 3/16 Fil 6, 7	148764	Plate, Bumper 3, 5
41720	Spring, Contact 9, 10	128357	Ring, Retaining 7, 11	148765	Reed 3
41732	Plate, Clamp 9, 10	130499	Bearing, Ball 12	148766	Core, Right 3, 5
42827	Screw, 3-48 x 1/4 Fil 9	130683	Washer, Lock 7	148767	Core, Left 3, 5
45815	Washer, Lock 12, 14	130696	Washer, Felt 13	148768	Magnet Assembly, Left 3
47024	Washer, Flat 6	136645	Bushing, Eccentric 13	148769	Magnet Assembly, Right 3
49420	Spring 11	137438	Resistor, 100 Ohm 10	149800	Wheel, Feed 6, 13
70466	Spring 8	137440	Resistor, 1,000 Ohm 9	149801	Screw, 6-40 Adjusting 6
70497	Nut, 5/16-32 Hex 13	142921	Pin, Roll 3, 5	149802	Roller, Drive 8
71073	Washer, Flat 8	142921	Stud 9	149806	Plate, Rear 5, 6
71858	Washer, Flat 13	142924	Roller 9	149807	Post, Adjusting 5
72508	Screw, 6-40 x 3/4 Hex 5	143097	Ring, Retaining 6	149809	Frame 5, 6, 7, 8, 9, 10, 14
72509	Washer, Lock 2, 3, 5	145487	Screw, 6-40 Shoulder 13	149810	Link, #0, #3, and #7 6, 7
73844	Washer, Flat 6	145914	Connector, 25 Pt Plug Type 2, 3	149811	Link, Feed Pin 6, 7
74805	Screw, 10-32 x 3/4 Hex 2, 3, 5	145973	Guide, Tape 9	149812	Link, #1 and #4 6, 7
76099	Washer, Flat 6	145975	Roller, Tape Guide 9	149813	Link, #2 and #5 6, 7
76246	Bushing, Insulating 9, 10	145975	Post Assembly 2, 3, 5	149814	Link, #6 6, 7
76295	Spring 11	146542	Post 9	149815	Reed, "0" 5
80706	Screw, 6-40 Set 12	147565	Block Assembly, Punch 6	149816	Reed, Left 5
81726	Terminal 9, 10	147570	Guide, Tape 6	149818	Damper, Link 5
82474	Terminal 5	147574	Cable Assembly 5	149820	Plate, Feed Wheel 6
82547	Insulator, .094" Thk 9, 10	147576	Stop, Bias Spring 6, 7	149822	Magnet Assembly, Right 5
82548	Insulator, .062" Thk 9, 10	147582	Actuator 6, 10	149823	Magnet Assembly, Left 5
83960	Washer, Flat 9	147587	Guide, Tape 6	149824	Magnet Assembly, "0" 5
85422	Screw, 10-32 x 15/16 Hex 2, 3, 5	147591	Guide, Tape 6	149828	Post, Pawl 8
86079	Washer, Felt 12	147592	Guide, Tape 6	149833	Spring, Drive 6
86283	Spring 11	147594	Cable Assembly 6	149834	Pawl, Brake 8
88891	Spring 13	147605	Bracket, Connector 3, 5	149837	Damper, Link 5
90519	Screw, 2-56 x 3/16 Hex 6	147606	Cable Assembly 3, 5	149838	Roller 6
90573	Spring 8	147607	Cable w/Terminals 10	149839	Stud, Roller 6
90791	Washer, Lock 6, 10, 11	147608	Jumper, 7" Blue 10	149841	Guide, Tape 6
91096	Spring 8	147609	Switch Assembly, Triac 10	149844	Reed, Right 5
91230	Terminal 8	147611	Lever w/Hub 8	149846	Spring, Torsion 10
91577	Spring 8	147612	Pinion, 20T 8	149847	Arm, Tape Sensing 10
92260	Washer, Lock 8	147613	Gear, 60T 8	149871	Screw, 2-56 Shoulder 6, 7
93117	Washer, Lock 4, 6	147614	Pinion, 20T 8	149970	Bracket, Tape Guide 9
93118	Washer, Lock 6, 7, 8	147615	Motor, 115V AC Shaded Pole 2710 RPM 8	150456	Spacer, .050" Thk 3
93984	Washer, Lock 12	147616	Motor, 115V AC Shaded Pole 2710 RPM 8	150821	Spacer, .156" Thk 6, 7
94712	Washer, Flat 6	147618	Plate, Adjusting 8	150982	Screw, 4-40 x 7/16 Fil 13
96216	Jumper, 6" Red 9	147619	Plate w/Terminal Strip 10	151152	Screw, 4-40 x 3/16 Hex 4, 6, 8, 13, 14
96217	Jumper, 6-1/2" Red 10			151329	Switch, Sensitive 8
96218	Jumper, 7" Blue 9			151442	Screw, 6-40 x 1/2 Hex 11

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151610	Washer, Flat 14	170927	Bracket, Contact 9, 10	177899	Arm, Tape Sensing 9
151624	Spacer, .072" Thk 13	171147	Washer, Flat 14	177901	Shaft 8
151626	Terminal 2, 3	173579	Connector, 50 Pt Plug Type 5	177902	Bracket, Contact 9
151629	Nut, 6-40 Lug 11	173715	Terminal, Plug Type 2, 3, 5, 6, 10	177904	Bushing 8
151630	Screw, 6-40 x 1/4 Hex 2 to 6, 8 to 11, 13, 14	173842	Stud 9, 10	177905	Spring, Torsion 9
151631	Screw, 6-40 x 5/16 Hex 4, 5, 6, 9 to 11, 13, 14	174570	Switch 6, 10	177906	Chute, Chad 4, 6
151632	Screw, 6-40 x 3/8 Hex 4, 6, 7, 13	177566	Jumper, 6" Black 9	177908	Cable Assembly 2, 3
151637	Screw, 4-40 x 1/4 Fil 11, 12	177609	Rectifier 9	177911	Spring, Torsion 4, 6
151660	Screw, 6-40 x 7/8 Fil 10	177795	Guide, 1" Tape 4	182726	Terminal, Receptacle Type 2, 3
151661	Screw, 6-40 x 1 Fil 8	177798	Reed, #0 3	190494	Plate, Right Base 4
151685	Screw, 4-40 x 5/16 Fil 7, 8	177799	Bracket, Connector 2, 3	190500	Plate, Left Base 4
151686	Screw, 4-40 x 3/8 Fil 8, 13	177800	Frame 2, 3, 4, 8, 9	192007	Terminal, Tab Type 2, 3, 8, 9, 10
151688	Screw, 4-40 x 5/8 Fil 9, 10	177801	Reed 2	192034	Bearing, Clutch 12
151692	Screw, 6-40 x 3/16 Fil 9	177802	Bracket, Right 2, 3, 5	192037	Spring, Right Clutch 12
151693	Screw, 6-40 x 9/16 Fil 11	177803	Bracket, Left 2, 3, 5	195187	Screw, 4-40 x 1-1/2 Hex 6
151721	Screw, 6-40 x 3/4 Hex 2, 3	177804	Magnet Assembly, Right 2	195795	Pulley, 16T 12
151722	Screw, 6-40 x 3/16 Hex 11, 13	177805	Magnet Assembly, Left 2	198918	Screw, 2-56 x 5/8 Fil 11
151723	Screw, 10-32 x 3/8 Hex 4	177807	Post, Lower Guide 4, 6	198927	Magnet 11
151736	Spring 6, 7	177808	Post, Upper Guide 4, 6, 7	198940	Switch, Reed 11
151737	Screw, 4-40 x 11/64 Hex 13	177809	Bracket, Guide 4, 6, 7	300036	Network, Arc Suppression 8
152893	Screw, 4-40 x 1/4 Hex 6, 8, 9, 10	177810	Link, #0, #3 and #7 4	300728	Post 6
153342	Screw, 6-40 x 15/16 Hex 4, 6	177811	Link, Feed Pin 4	302744	Plate, Retaining 12
153442	Screw, 10-32 x 1/2 Hex 4, 6, 7, 8	177812	Link, #1 and #4 4	302746	Guard, Gear 11
153538	Screw, 6-40 x 7/16 Hex 7, 14	177813	Link, #2 and #5 4	302901	Lamp 14
153539	Screw, 6-40 x 11/16 Hex 2, 3, 6, 14	177814	Link, #6 4	302903	Lens 14
153799	Screw, 4-40 x 21/64 Hex 12	177815	Pawl, Escapement 4, 6, 13	302904	Cover 14
153817	Screw, 4-40 x 3/8 Hex 3, 5	177818	Plate, Clamp 2, 3, 5	302905	Bracket, Lens Holder 14
153819	Washer, Lock 9	177819	Bushing, Eccentric 2, 3, 5	302906	Bracket 14
153839	Screw, 6-40 x 5/8 Hex 13, 14	177821	Core, Right 2	302907	Plate, Lamp Mounting 14
153841	Screw, 6-40 x 9/16 Hex 9	177822	Core, Left 2	302908	Block, Mounting 14
154335	Screw, 6-40 x 9/32 Fil 6	177832	Block Assembly, Punch 4	302910	Ring, Lock 14
155750	Sleeve, 3/32 ID x 1/2" Lg Insulating 10	177836	Bracket w/Post 8	302915	Ring, "O" 14
155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 2, 3, 5	177837	Lever w/Hub 8	302916	Isolator 14
155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 8	177839	Post 8	302925	Bracket 14
155754	Sleeve, 1/16 ID x 1/2" Lg Insulating 10	177840	Pinion, 18T 8	302926	Plate 14
156057	Washer, Flat 6	177842	Pinion, 18T 8	302927	Guide, Tape 7
156450	Screw, 2-56 x 1/2 Fil 6, 10	177843	Screw, 1/4-32 Adjusting 8	302940	Block Assembly w/Verifier, Punch 7, 14
156519	Washer, Felt 4, 6, 8, 13	177844	Post, Spring 8	302962	Tube w/Mirror 14
156536	Screw, 4-40 x 1/8 Fil 6	177845	Shaft, Drive 8	302963	Plate, Bridge 14
156558	Washer, Felt 13	177847	Spring, Drive 4, 13	302964	Gasket 14
156572	Washer, Felt 8	177850	Plate, Adjusting 8	302965	Mirror 14
156588	Ring, Retaining 11	177851	Post 8	302966	Cover, Mirror 14
156619	Clamp 13	177852	Gear, 66T 8	302967	Clip, Retaining 14
156740	Screw, 6-40 x 7/32 Hex 14	177853	Switch, Micro 8	302968	Chute w/Bracket, Chad 14
156832	Plate 13	177854	Plate, Mounting 4	302972	Bracket 14
158147	Bushing, Eccentric 13	177856	Post, Eccentric 4, 6	302974	Bracket, Adapter 14
158588	Post 6	177857	Plate 4, 6	302998	Follower, Cam 13
158859	Post, Spring 8	177859	Plate, Rear Mounting 4	302999	Follower, Cam 12
159404	Post 9, 10	177861	Wheel, Feed 4	306838	Triac 10
159610	Mount, Vibration 4	177863	Screw, 6-40 Adjusting 4, 13	308397	Bracket w/Stud 6
159805	Washer, Flat 7	177864	Sleeve 8	308399	Ratchet w/Spring 4, 6, 13
159976	Armature 13	177865	Guide, Tape 4, 6	309378	Post 14
159977	Hinge 13	177869	Motor, 115V AC 8	309561	Belt, 80T 12
159978	Shaft 13	177870	Motor, 115V AC 8	311143	Bracket, Contact 10
160087	Post, Spring 11	177872	Roller 8	311145	Bracket, Switch 10
161346	Washer, Felt 4, 6, 13	177874	Bushing, Eccentric 2, 3, 5	311146	Cam 10
162747	Roller 11	177875	Clip, Spring 2, 3, 5	311153	Cable Assembly 10
		177878	Bushing, Eccentric 4, 6	312728	Tube, Chad 14
		177883	Nut, Spring Anchor 4, 6, 13	315502	Bushing 6
		177884	Guide, 11/16" Tape 4	315503	Plate 6
		177886	Bail w/Stud 8	320304	Plate, Rear 11, 12, 13
		177892	Cam 9	320305	Plate w/Posts, Front 11
		177894	Nut, 10-32 Spl 8	320307	Bar, Tie 11
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320312	Disk, Detent 13	320345	Post, Eccentric 11	320370	Bail, Armature 13
320313	Washer, Detent Disk 13	320346	Lever, Adjusting 13	320371	Spring, Left Clutch 12
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320336	Arm w/Hub 7, 13	320365	Sleeve 12	320384	Retainer w/Plate 13
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