

BULLETIN 270B, VOL. 2

NAVSHIPS 93788

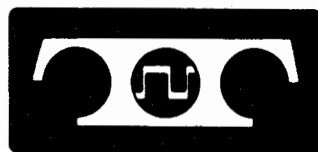
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KYBD (CODE UNIT 7:00)
PINION - 173794
DRIVEN - 173793
T.D.

TECHNICAL MANUAL
MODEL 28
PAGE PRINTER SETS
AND
AUTOMATIC SEND-RECEIVE SET

PARTS



TELETYPE®
CORPORATION

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LIST OF EFFECTIVE PAGES

JUNE, 1965

(Supersedes September, 1963 Issue)

Page Number	Change In Effect	Page Number	Change In Effect
A thru D	Change 2	5-1	Original
1-1	Change 1	5-2 thru 5-5	Change 2
1-2	Change 2	5-6 thru 5-8	Change 1
1-3	Change 1	5-9	Change 2
1-4	Change 2	5-10 thru 5-12	Change 1
1-5	Change 1	5-13	Original
1-6	Change 2	5-14	Change 1
1-7	Original	5-15	Change 2
1-8	Change 2	5-16 thru 5-26	Change 1
1-9	Original	5-27 thru 5-31	Change 2
1-10	Change 2	6-1 and 6-2	Original
1-11 and 1-12	Change 1	6-3	Change 1
1-13 thru 1-15	Change 2	6-4	Change 2
1-16 and 1-17	Change 1	6-5 thru 6-7	Change 1
1-18	Change 2	6-8	Change 2
1-19 thru 1-23	Change 1	6-9 and 6-10	Change 1
1-24 thru 1-37	Change 2	6-11	Change 2
2-1	Change 1	6-12	Original
2-2	Change 2	6-13	Change 2
2-3	Change 1	6-14	Change 1
2-4 thru 2-7	Change 2	6-15 and 6-16	Change 2
2-8	Change 1	6-17 and 6-18	Change 1
2-9	Change 2	6-19	Change 2
2-10	Change 1	6-20 and 6-21	Change 1
2-11	Change 2	6-22 thru 6-24	Change 2
3-1	Original	6-25	Original
3-2 thru 3-6	Change 1	6-26 thru 6-36	Change 2
3-7 and 3-8	Change 2	7-1 thru 7-3	Original
3-9 thru 3-12	Change 1	7-4 and 7-5	Change 1
3-13	Change 2	7-6	Original
3-14 thru 3-19	Change 1	7-7 thru 7-9	Change 1
3-20 thru 3-23	Change 2	7-10	Original
3-24	Change 1	7-11 and 7-12	Change 2
3-25 thru 3-32	Change 2	8-1	Change 1
4-1	Change 1	8-2 thru 8-10	Change 2
4-2	Change 2	9-1	Original
4-3 thru 4-6	Change 1	9-2 thru 9-13	Change 2
4-7 thru 4-9	Change 2		

The above list indicates the effective pages as of issue date.
Upon receipt of Change Pages, insert them numerically and discard
any superseded pages.

TABLE OF CONTENTS

Figure Number		Page Number	Figure Number		Page Number
SECTION 1 - CABINET AND PAPER WINDER (LAAC, LAC, LPC, LBAC, PW & LPW)					
1-1	Latch Mechanisms and Front Panels	1-2	1-18	159357 Modification Kit to Provide	
1-2	Cabinet Shell, Dome, Panels and Doors	1-3		5.5 Volt A.C. Incandescent Copy-light System	1-16
1-3	Cradle	1-4	1-19	Console Page Printer Cables	1-17
1-4	Terminal Blocks	1-5	1-20	LPC206BR Cover	1-18
1-5	Cabinet Components	1-6	1-21	Variable Features for LPC206BR	1-19
1-6	160887BR Modification Kit to Provide Transmitter Distributor Housing	1-7	1-22	Rock Mounted Page Printer Cables	1-20
			1-23	PW201BR Paper Winder	1-21
			1-24	PW201BR Paper Winder	1-22
1-7	Switches and Tape Guide	1-8	1-25	PW201BR Paper Winder Cables	1-23
1-8	164024BR Offset Copyholder	1-9	1-26	LPW300BR Paper Winder Assembly	1-24
1-9	154754BR Modification Kit to Add a Sub-Base to Model 28 Console	1-10	1-27	Cabinet Components	1-25
			1-28	304195 Base Assembly	1-26
1-10	152910BR Modification Kit to Provide Directory Holder	1-10	1-29	144965 Rack Assembly	1-27
			1-30	Control Panel	1-28
1-11	164272 Modification Kit to Provide Chad Disposal for Auxiliary Reperforator	1-11	1-31	Keyboard Panel Assembly	1-28
			1-32	179311BR Top and Middle Cover Assembly	1-29
1-12	170306 Modification Kit to Provide Chad Disposal for Keyboard Reperforator	1-11	1-33	179312BR Bottom Cover Assembly	1-29
			1-34	151560 Signal Bell Assembly	1-30
1-13	164405BR Modification Kit to Provide Chad Container for the Auxiliary and/or Keyboard Reperforator	1-11	1-35	Slide Assemblies (LBAC255BR)	1-30
			1-36	195921 and 195922 Modification Kits to Equip Apparatus Cabinet with Paper Winder Facilities	1-31
1-14	Cables	1-12	1-37	304230 Electrical Service Assembly	1-32
1-15	Cables	1-13		Numerical Index	1-33 thru 1-37
1-16	LAC214BR Cabinet	1-14			
1-17	Variable Features for LAC214BR	1-15			
SECTION 2 - ELECTRICAL SERVICE ASSEMBLY					
2-1	173816BR and 173395BR Electrical Service Assemblies (Rack Mounted)	2-2	2-5	177010 and 309494 (with Blindina Resistor) Selector Magnet Driver Assemblies	2-6
2-2	173816BR and 173395BR Electrical Service Assemblies (Rack Mounted) (Continued)	2-3	2-6	152950 Rectifier Assembly (150 MA)	2-7
			2-7	162361 Rectifier Assembly (500 MA)	2-8
2-3	173783, 173824, 304203 and 304206 Electrical Service Assemblies	2-4	2-8	Electrical Service Assembly Cables	2-9
			2-9	Modification Kits to Add Power Factor Correction	2-10
2-4	173452 and 173779 Electronic Keyer Assemblies	2-5		Numerical Index	2-11 and 2-12
SECTION 3 - KEYBOARD AND BASE (LAK, LK & LB)					
3-1	Keyboard Base Mechanism	3-2	3-18	174410 Signal Generator Contact Box Assembly	3-16
3-2	Keyboard Base Mechanism	3-3		Code Bar Extension Mechanism	3-17
3-3	Base	3-4	3-19	Cam Follower Mechanism	3-18
3-4	Base Mechanism	3-5	3-20	Character Counter Mechanism	3-19
3-5	Carriage Return Mechanism	3-6	3-21	Bearing Bracket Assembly	3-20
3-6	Local Line Feed Mechanism	3-6	3-22	Bearing Bracket Assembly	3-21
3-7	Function Bail Mechanism	3-7	3-23	Synchronous Pulsed Transmission Mechanism	3-22
3-8	Intermediate Gear Mechanism	3-7	3-24	Auxiliary Switch Mechanism	3-23
3-9	Keyboard Mechanism	3-8		Tape Container Assembly	3-23
3-10	Universal Bail Mechanism	3-9	3-25	Keypop Arrangement "BRW"	3-24
3-11	Ball Lock Mechanism	3-9	3-26	176405 Modification Kit to Add Tape Backspace Switch and Keypop Assembly	3-24
3-12	Code Bar Mechanism - Automatic Send-Receive Keyboard	3-10	3-27	Base	3-25
			3-28	304197 Gear Shift Assembly (60,75 and 100 WPM, 7.00 Unit Code)	3-26
3-13	Code Bar Mechanism - Send-Receive Keyboard	3-11	3-29	164494 Modification Kit to Provide Electrical Signal Line Break Mechanism	3-27
3-14	Signal Generator Frame Mechanism	3-12	3-30	Numerical Index	3-28 thru 3-32
3-15	Signal Generator Shaft Mechanism	3-13	3-31		
3-16	Signal Generator Front Plate Mechanism	3-14			
3-17	Signal Generator Rear Plate Mechanism	3-15			

TABLE OF CONTENTS (Continued)

Figure Number		Page Number	Figure Number		Page Number
SECTION 4 - BASE (LCXB & LRB)					
4-1	Transmitter Distributor Base	4-2	4-5	Electrical Components	4-6
4-2	Auxiliary Reperforator Base	4-3	4-6	176287 Modification Kit to Mount an Auxiliary Typing Reperforator	4-7
4-3	Gear Bracket Mechanism	4-4			
4-4	Auxiliary Reperforator Base Gears	4-5		Numerical Index	4-8 and 4-9
SECTION 5 - TYPING REPERFORATOR (LPR)					
5-1	Frame Mechanism	5-2	5-17	Typing Mechanism	5-18
5-2	Frame Mechanism	5-3	5-18	Two-Shaft Mechanism	5-19
5-3	Main Shaft Mechanism	5-4	5-19	Cables and Brackets	5-20
5-4	Punch Rear Plate and Punch Block Assembly	5-5	5-20	173443 Modification Kit to Add Remote Control Non-Interfering Letters Feed-Out	5-21
5-5	Punch Front Plate Mechanism	5-6			
5-6	Punch Bail Mechanism	5-7	5-21	173443 Modification Kit to Add Remote Control Non-Interfering Letters Feed-Out	5-22
5-7	Rotary Positioning Mechanism	5-8			
5-8	Rotary Positioning Mechanism	5-9			
5-9	Axial Positioning Mechanism	5-10	5-22	173443 Modification Kit to Add Remote Control Non-Interfering Letters Feed-Out	5-23
5-10	Axial Positioning Mechanism	5-11			
5-11	Function Box Mechanism	5-12			
5-12	Range Finder Mechanism	5-13	5-23	Ribbon Feed Mechanism	5-24
5-13	Selecting Mechanism	5-14	5-24	Backspace Mechanism for Fully Perforated Tape with Printing Between Feed Holes	5-25
5-14	Selecting Magnet Mechanism	5-15			
5-15	Transfer Mechanism	5-16			
5-16	Early Design Ribbon Feed Mechanism	5-17	5-25	Backspace Power Drive	5-26
				Numerical Index	5-27 thru 5-31
SECTION 6 - TYPING UNIT (LP)					
6-1	Right Side Frame Mechanism	6-2	6-21	Code Bar Mechanism	6-22
6-2	Left Side Frame Mechanism	6-3	6-22	Printing Carriage Mechanism	6-23
6-3	Pressure Roller Mechanism	6-4	6-23	173803 Type Box Assembly - Arrangement "YD"	6-24
6-4	Space Suppression Mechanism	6-5			
6-5	Reset Bail Mechanism	6-6	6-24	152340 Modification Kit to Provide Multi-Copy Paper Handling	6-25
6-6	Line Feed and Platen Mechanism	6-7			
6-7	Left Side Linkage and Rocker Shaft Mechanism	6-8	6-25	173699 (AGM), 304198 (AJU) and 304204 (AJV) Function Box Assemblies	6-26
6-8	Right Side Linkage and Type Box Carriage Mechanism	6-9	6-26	173699 (AGM), 304198 (AJU) and 304204 (AJV) Function Box Assemblies (Continued)	6-27
6-9	Main Shaft Mechanism	6-10			
6-10	Main Shaft Mechanism	6-11			
6-11	Trip Shaft Mechanism	6-12	6-27	Function Bar	6-28
6-12	Spring Drum and Spacing Drum	6-13	6-28	157514 Modification Kit to Provide Automatic Carriage Return and Line Feed	6-29
6-13	Front Plate Mechanism	6-14			
6-14	Front Plate Mechanism	6-15			
6-15	Front Plate Mechanism	6-16	6-29	157509 Modification Kit to Provide On-Line Stunt Shift Control	6-29
6-16	Code Bar Positioning Mechanism	6-17			
6-17	Selector Mechanism	6-18	6-30	153919 Modification Kit to Provide Auxiliary Connector	6-30
6-18	Selector Magnet Mechanism	6-19			
6-19	Right Ribbon Feed Mechanism	6-20	6-31	152345 Modification Kit to Provide Off-Line Stunt Shift Control	6-30
6-20	Left Ribbon Feed Mechanism	6-21			
			6-32	179369 Modification Kit to Provide Copy Display	6-31
				Numerical Index	6-32 thru 6-36
SECTION 7 - TRANSMITTER DISTRIBUTOR (LXD)					
7-1	Front Plate Mechanism	7-2	7-7	174420 Contact Box Assembly	7-8
7-2	Front Plate Mechanism	7-3	7-8	Tape Guide Plate	7-9
7-3	Center Plate Mechanism	7-4	7-9	Cover Plate	7-10
7-4	Rear Plate Mechanism	7-5	7-10	Top Plate	7-10
7-5	Main Shaft Mechanism	7-6			
7-6	Clutch Trip Magnet Mechanism	7-7		Numerical Index	7-11

TABLE OF CONTENTS (Continued)

Figure Number	Part Number	Figure Number	Part Number
SECTION 8 - MOTOR (LMU)			
8-1	LMU3 Synchronous Motor Unit	8-2	8-5
8-2	LMU12 Synchronous Motor Unit	8-3	Series Motor Mounting Parts with RF Suppression (Part of LMU4 and LMU14)
8-3	Series Motor (Part of LMU4, LMU14, LMU39 and LMU41)	8-4	8-6
8-4	150845 Governor Assembly (Part of LMU4, LMU14, LMU39 and LMU41)	8-5	8-7
			LMU21 Synchronous Motor Unit
			Numerical Index

SECTION 9 - MASTER NUMERICAL INDEX

Components of the Receiving-only (RO), Keyboard Send-Receive (KSR), Automatic Send-Receive (ASR) and Stack Mounted Sets covered in this bulletin:			
CABINET	Automatic Send-Receive Send-Receive Console Rack Mounted Stack Mounted	LAAC229BR LAC214BR225 LPC206BR LBAC225BR	
ELECTRICAL SERVICE ASSEMBLY	Automatic Send-Receive Send-Receive Console Rack Mounted (With Factor Correction Without Factor Correction Stack Mounted)	173824 304203 173783 304206 173395BR 173816BR 304230	
KEYBOARD & BASE	Automatic Send-Receive Send-Receive Console Receive-Only	LAK21BRW LAK33BRW LAK47BRW LK25BRW LK52BRW LK53BRW LB10/000	
TRANSMITTER-DISTRIBUTOR BASE		LCXB13	
TRANSMITTER-DISTRIBUTOR		LXD11 LXD31	
AUXILIARY REPERFORATOR BASE		LRB32	
TYPING REPERFORATOR	Keyboard Reperforator Auxiliary Reperforator	LPR36BWA LPR57BWA LPR57BRP LPR35BWA LPR35BRP	
TYPING UNIT		LP77YD/AGM LP77YD/AJV LP124YD/AJU	
MOTOR UNIT	Synchronous Governed	LMU3 LMU12 LMU21 LMU4 LMU14 LMU39 LMU41	
PAPER WINDER		PW201BR LPW300BR	

SECTION 1
CABINET
AND PAPER WINDER

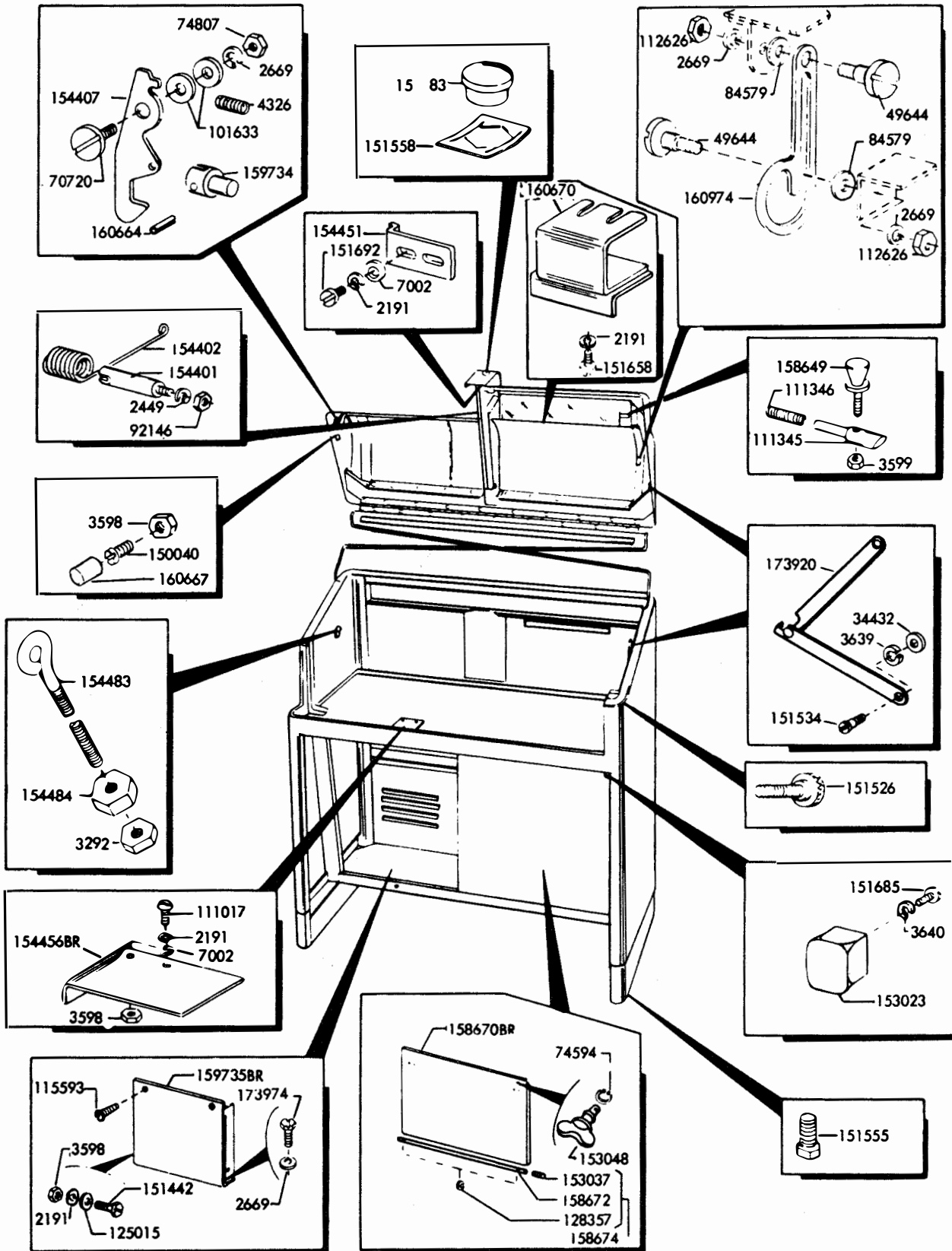
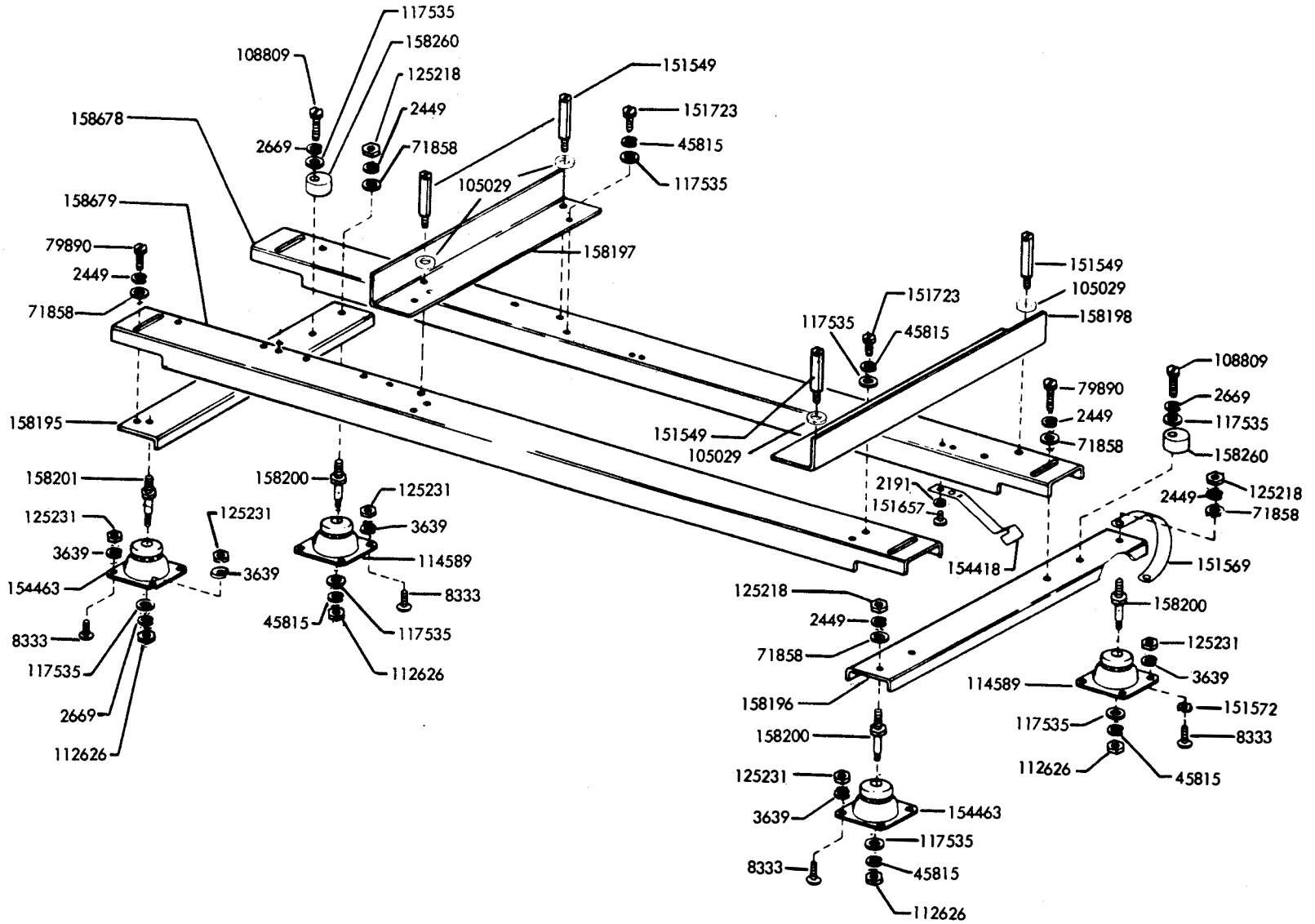


FIGURE 1-1. LATCH MECHANISMS AND FRONT PANELS

FIGURE 1-3. CRADLE



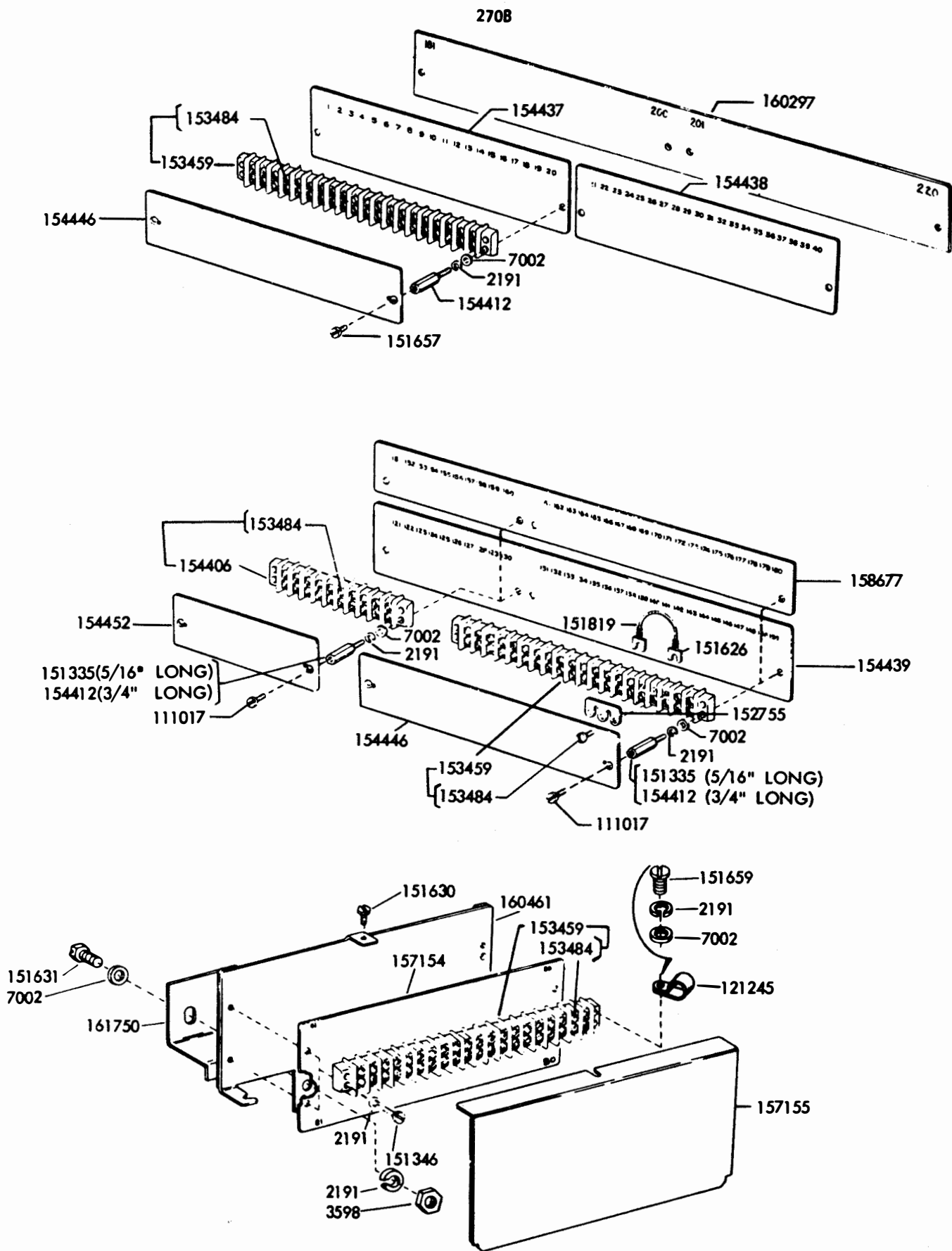


FIGURE 1-4 TERMINAL BLOCKS

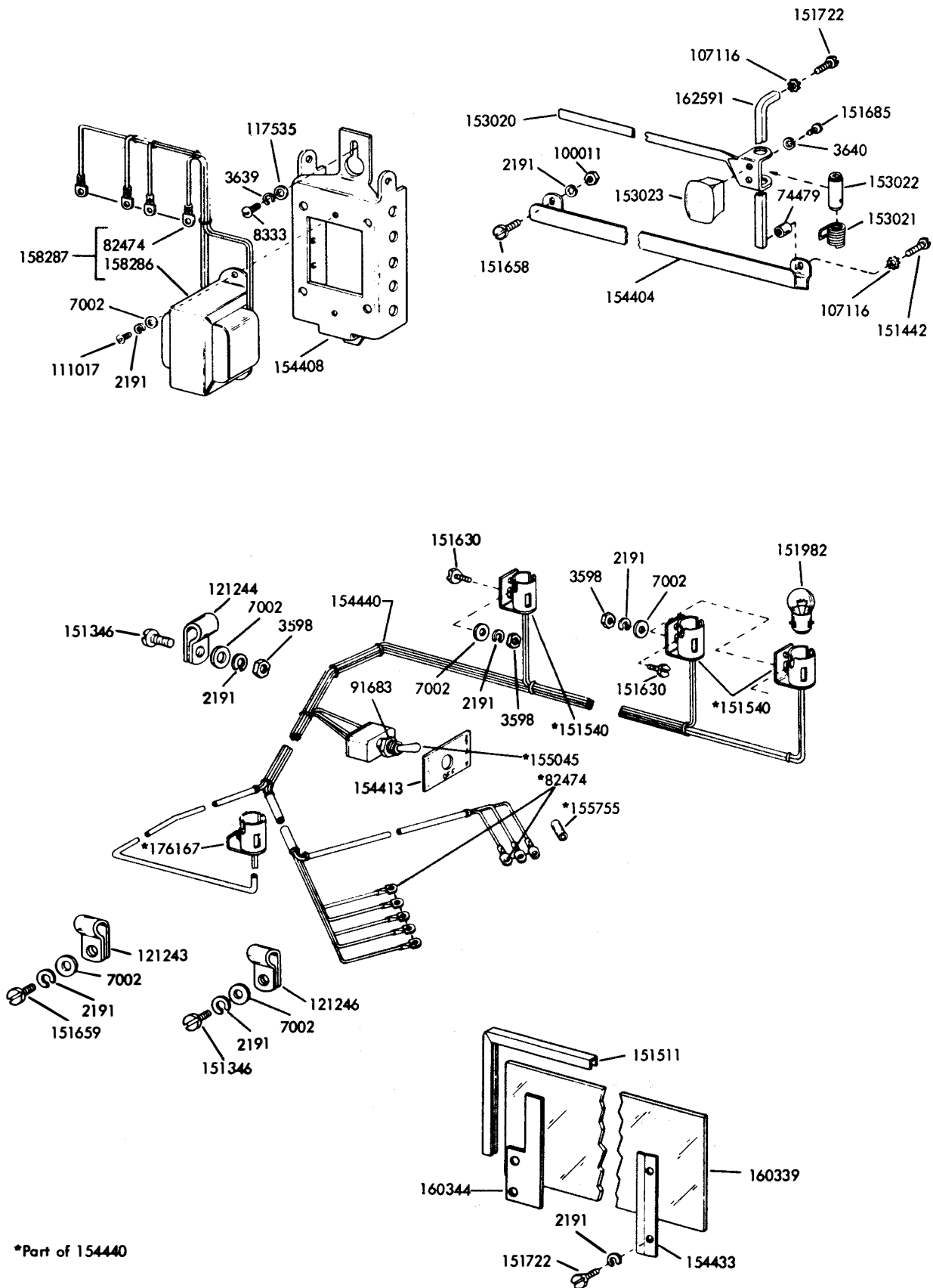
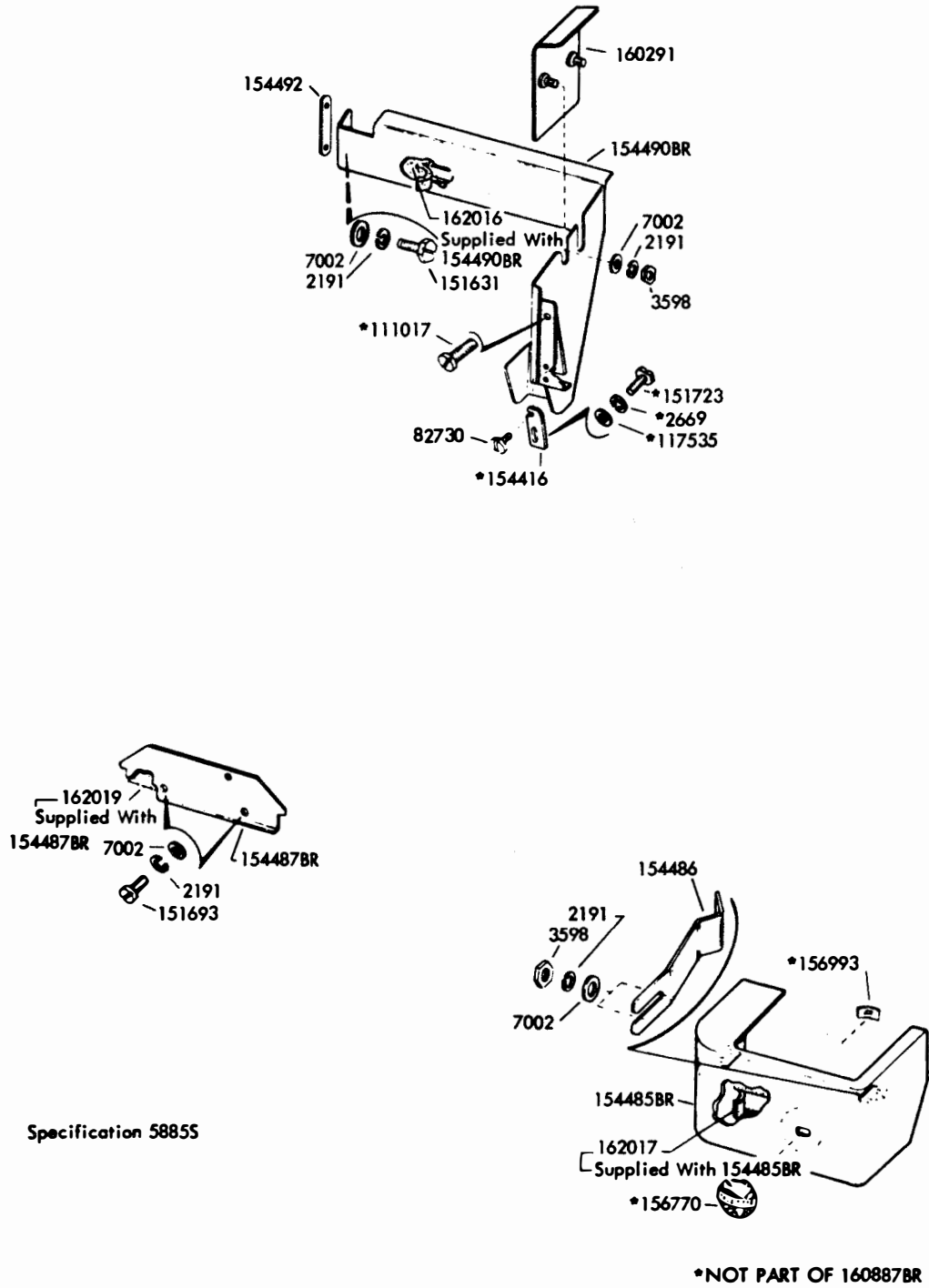


FIGURE 1-5. CABINET COMPONENTS



Specification 58855

FIGURE 1-6. 160887BR MODIFICATION KIT TO PROVIDE TRANSMITTER DISTRIBUTOR HOUSING

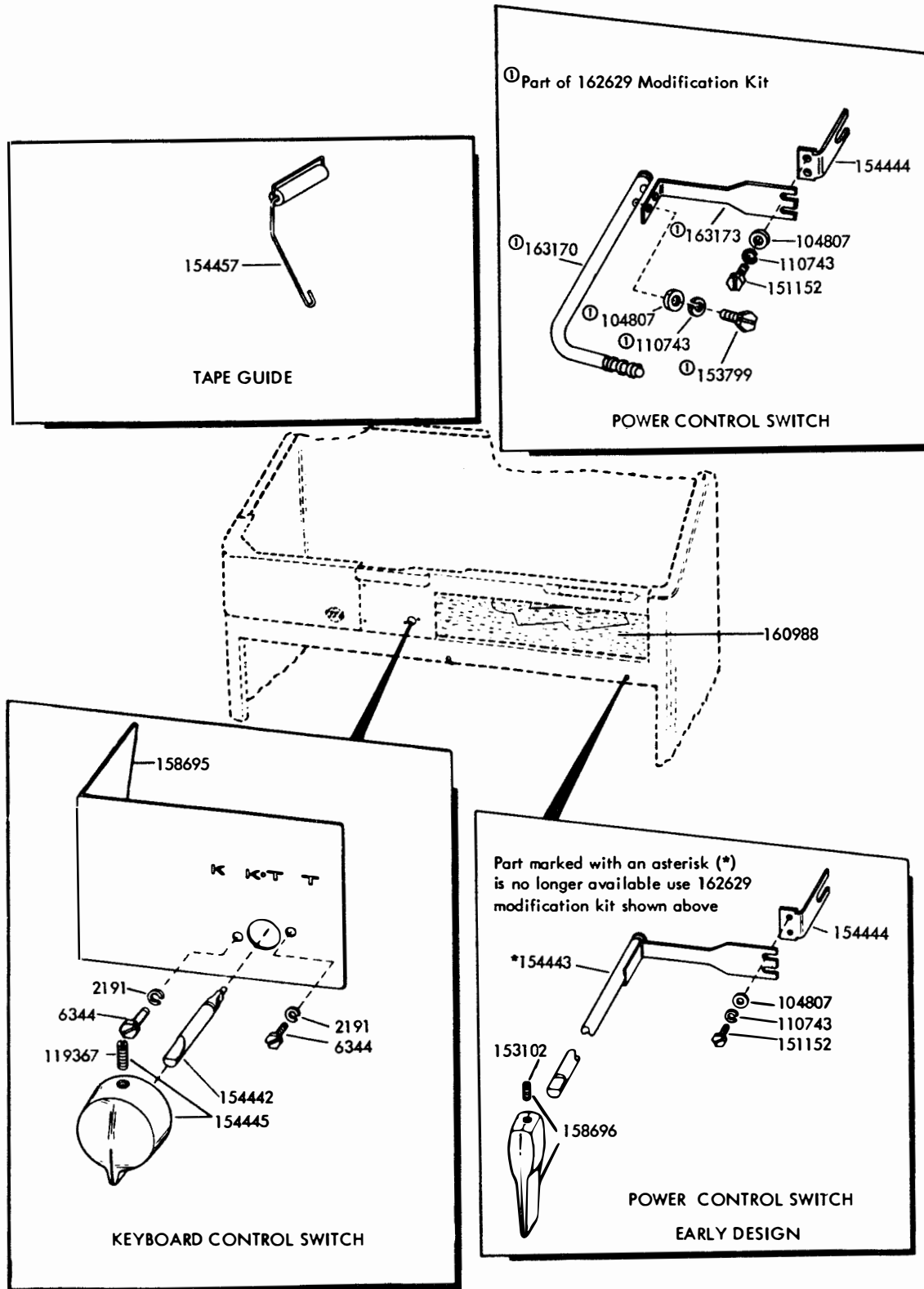
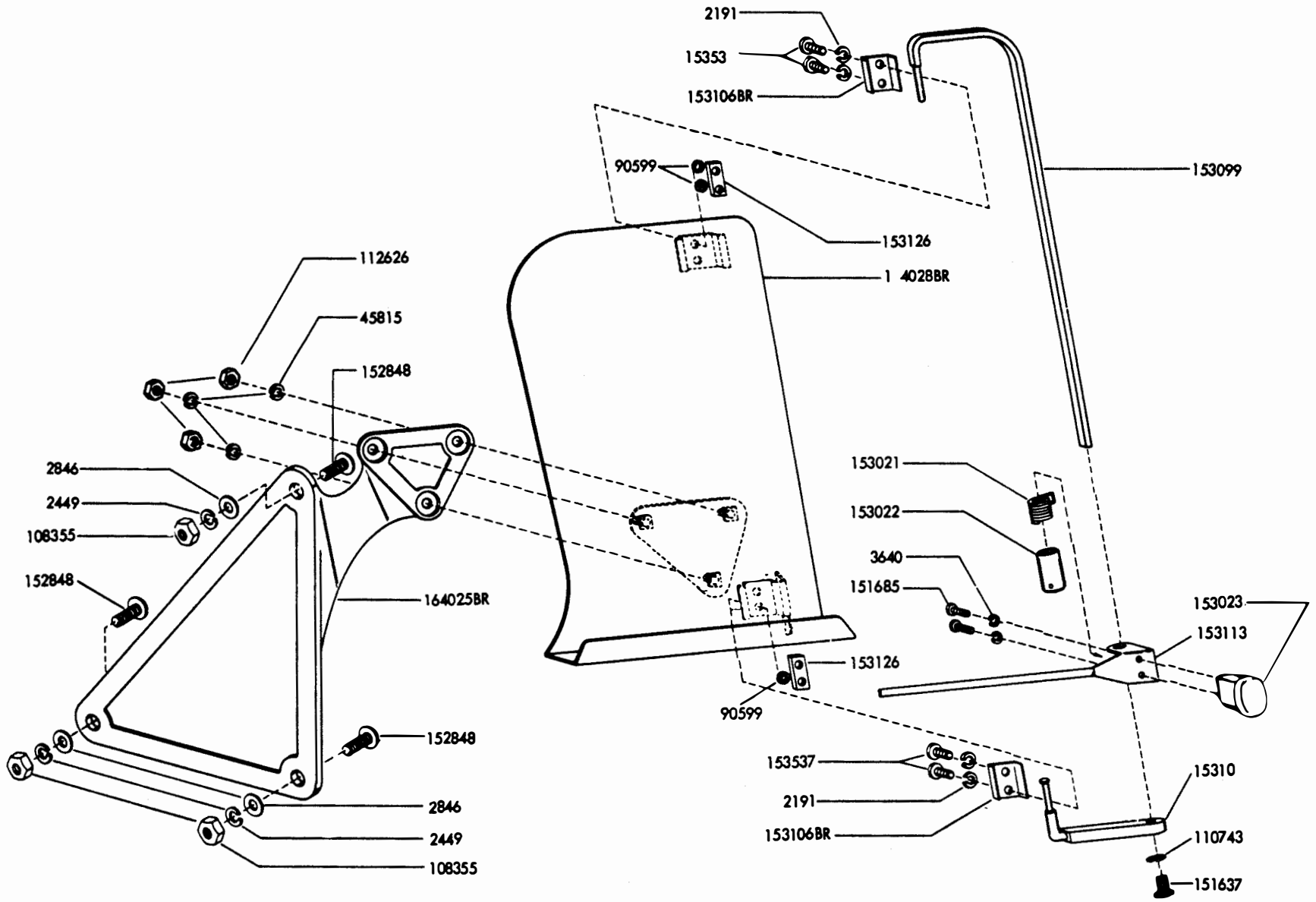


FIGURE 1-7. SWITCHES AND TAPE GUIDE

FIGURE 1-8. 164024BR OFFSET COPYHOLDER



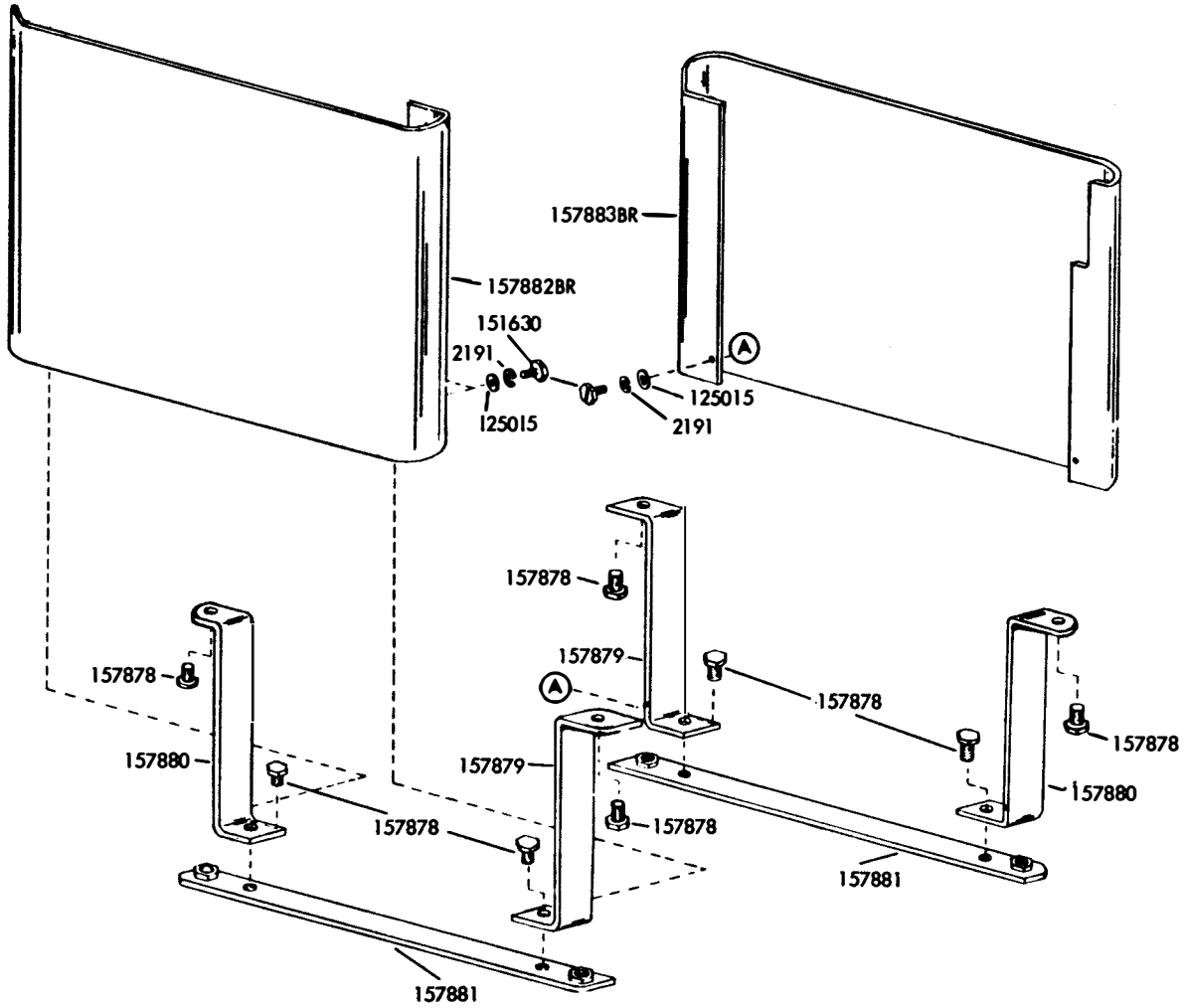


FIGURE 1-9. 154754BR MODIFICATION KIT TO ADD A SUB-BASE TO MODEL 28 CONSOLE

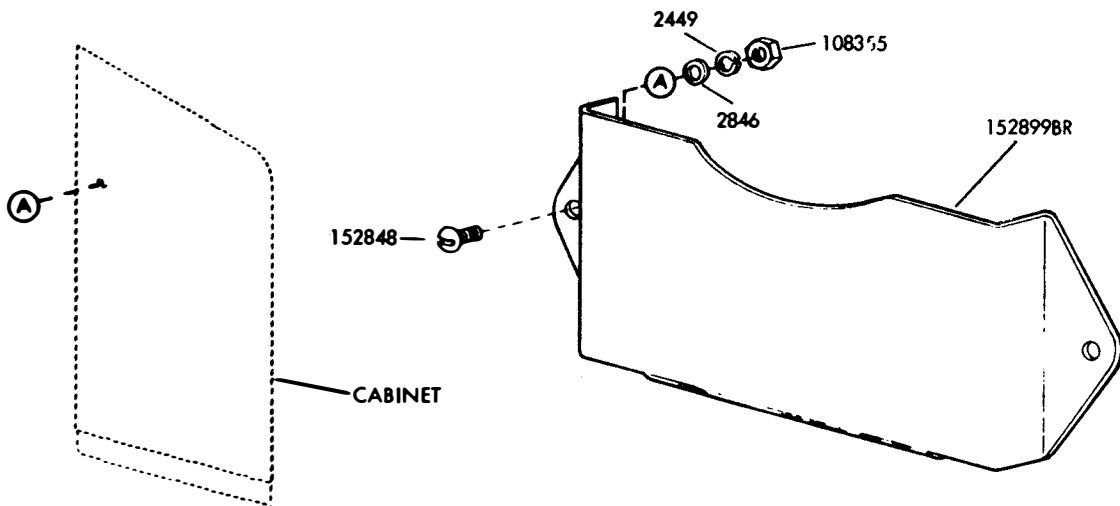


FIGURE 1-10. 152910BR MODIFICATION KIT TO PROVIDE DIRECTORY HOLDER

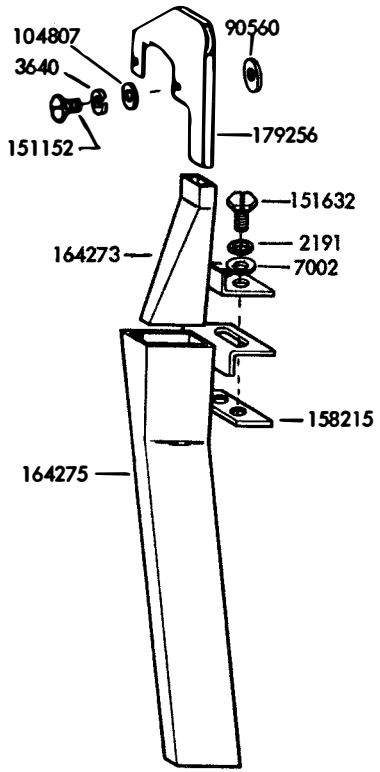


FIGURE 1-11. 164272 MODIFICATION KIT TO PROVIDE CHAD DISPOSAL FOR AUXILIARY REPERFORATOR

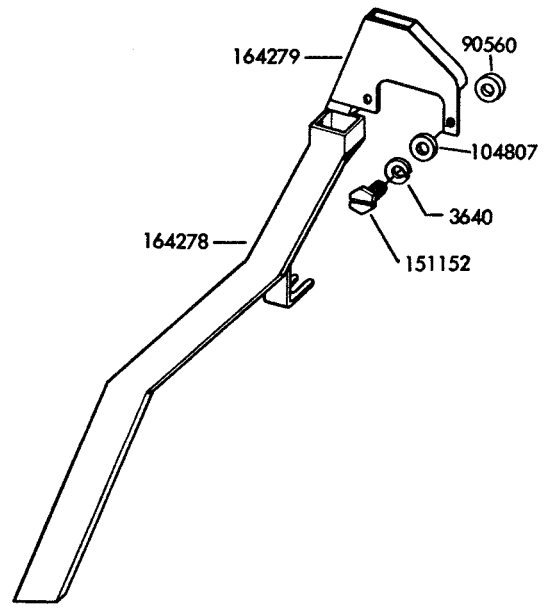


FIGURE 1-12. 170306 MODIFICATION KIT TO PROVIDE CHAD DISPOSAL FOR THE KEYBOARD REPERFORATOR

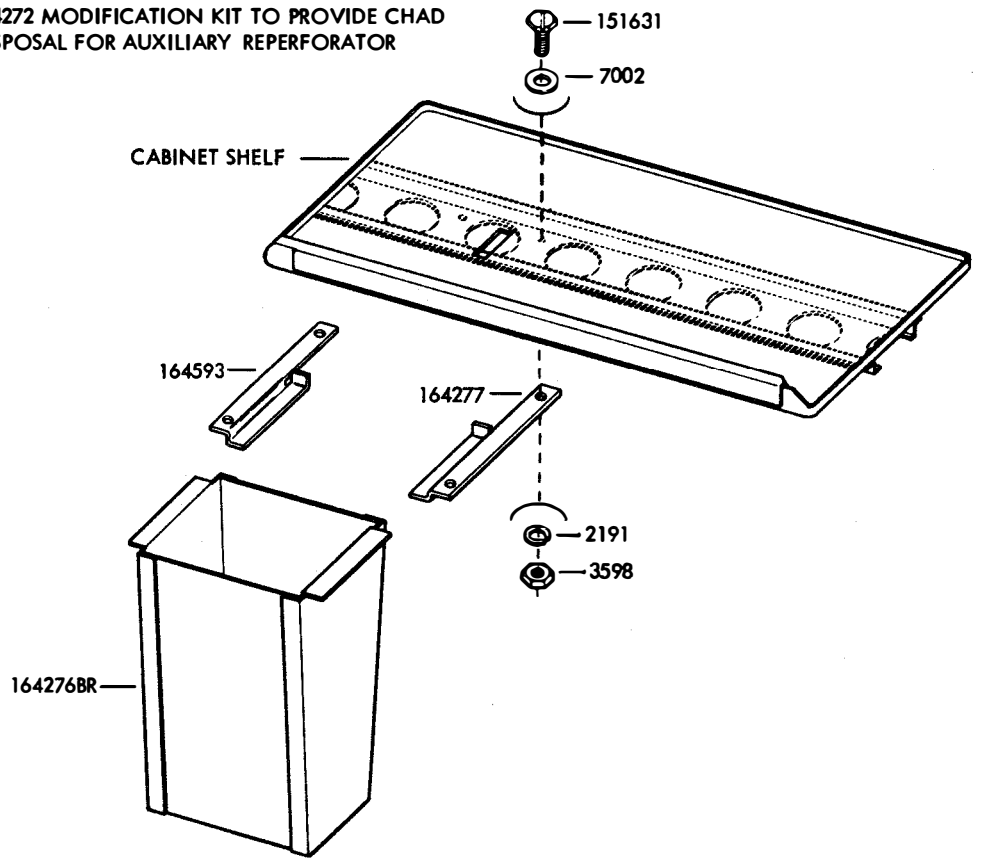
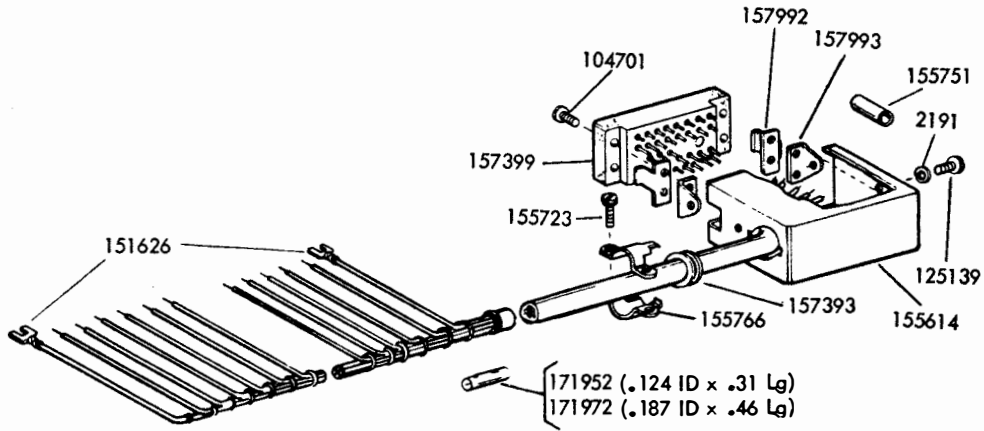
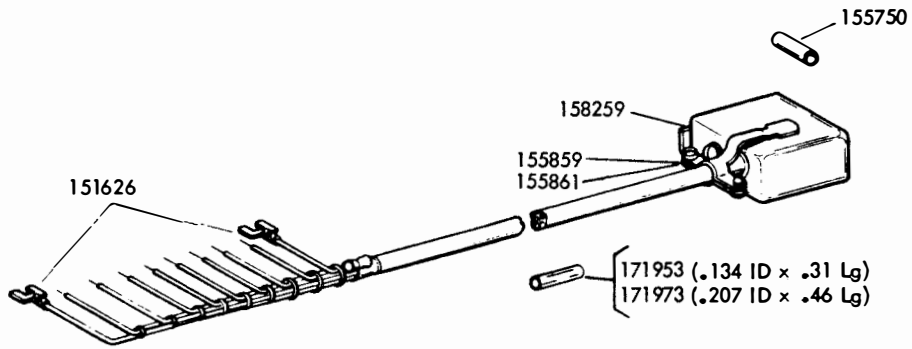


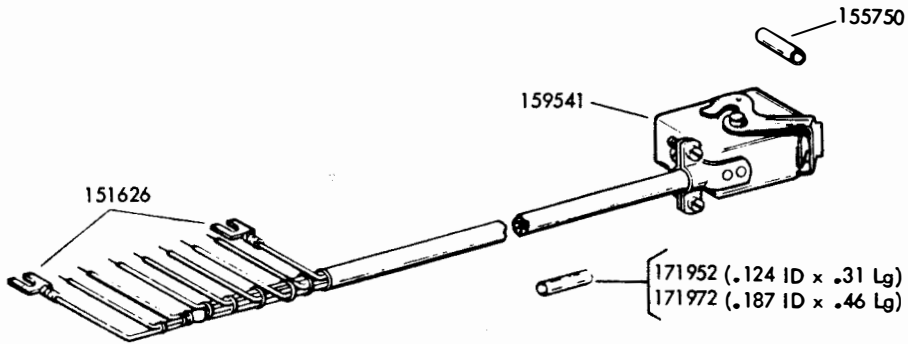
FIGURE 1-13. 164405BR MODIFICATION KIT TO PROVIDE CHAD CONTAINER FOR THE AUXILIARY AND/OR KEYBOARD REPERFORATOR



173455 PAGE PRINTER CABLE ASSEMBLY



173456 TRANSMITTER BASE CABLE ASSEMBLY



173457 AUXILIARY REPERFORATOR BASE CABLE ASSEMBLY

FIGURE 1-14. CABLES

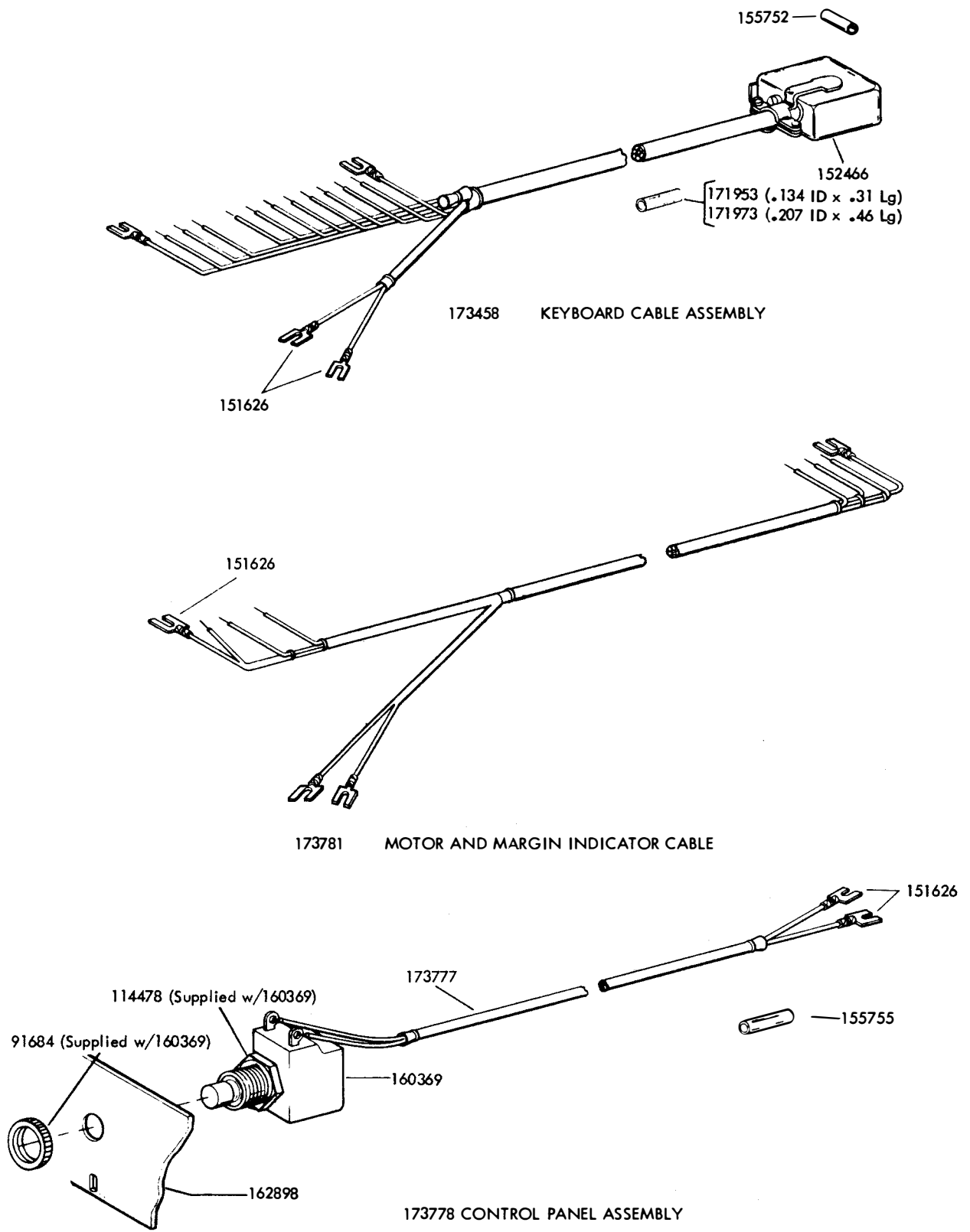


FIGURE 1-15. CABLES

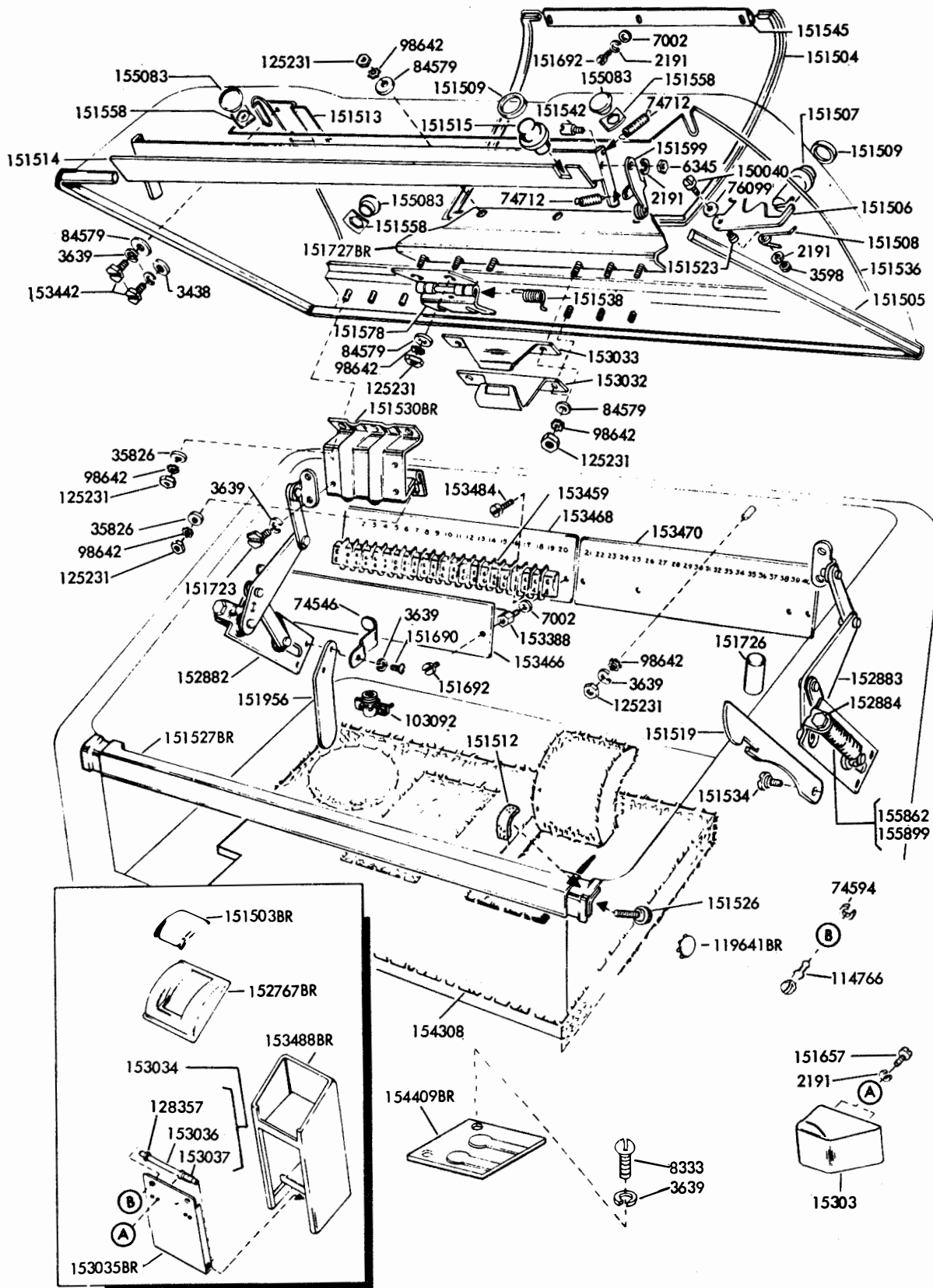
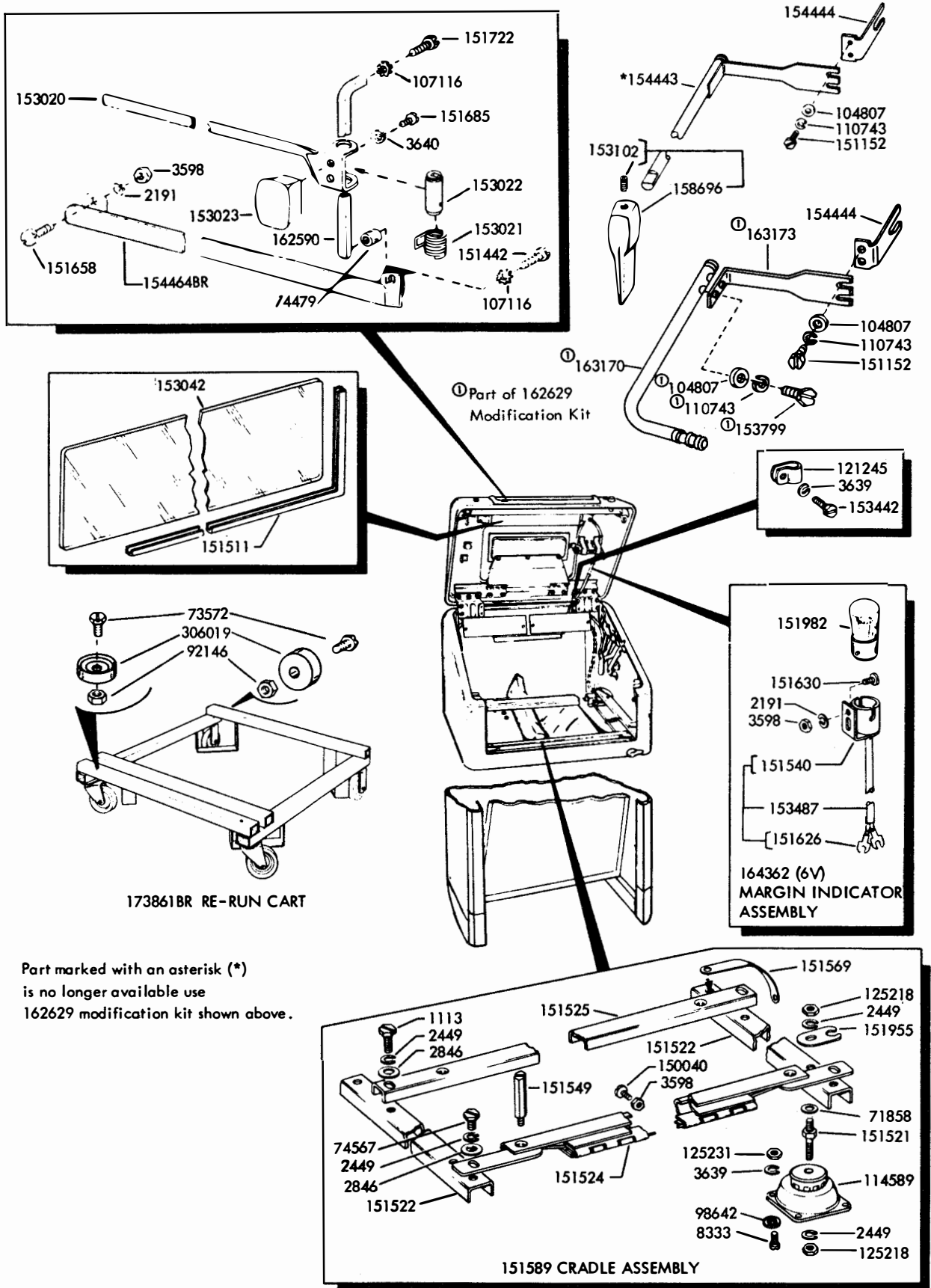
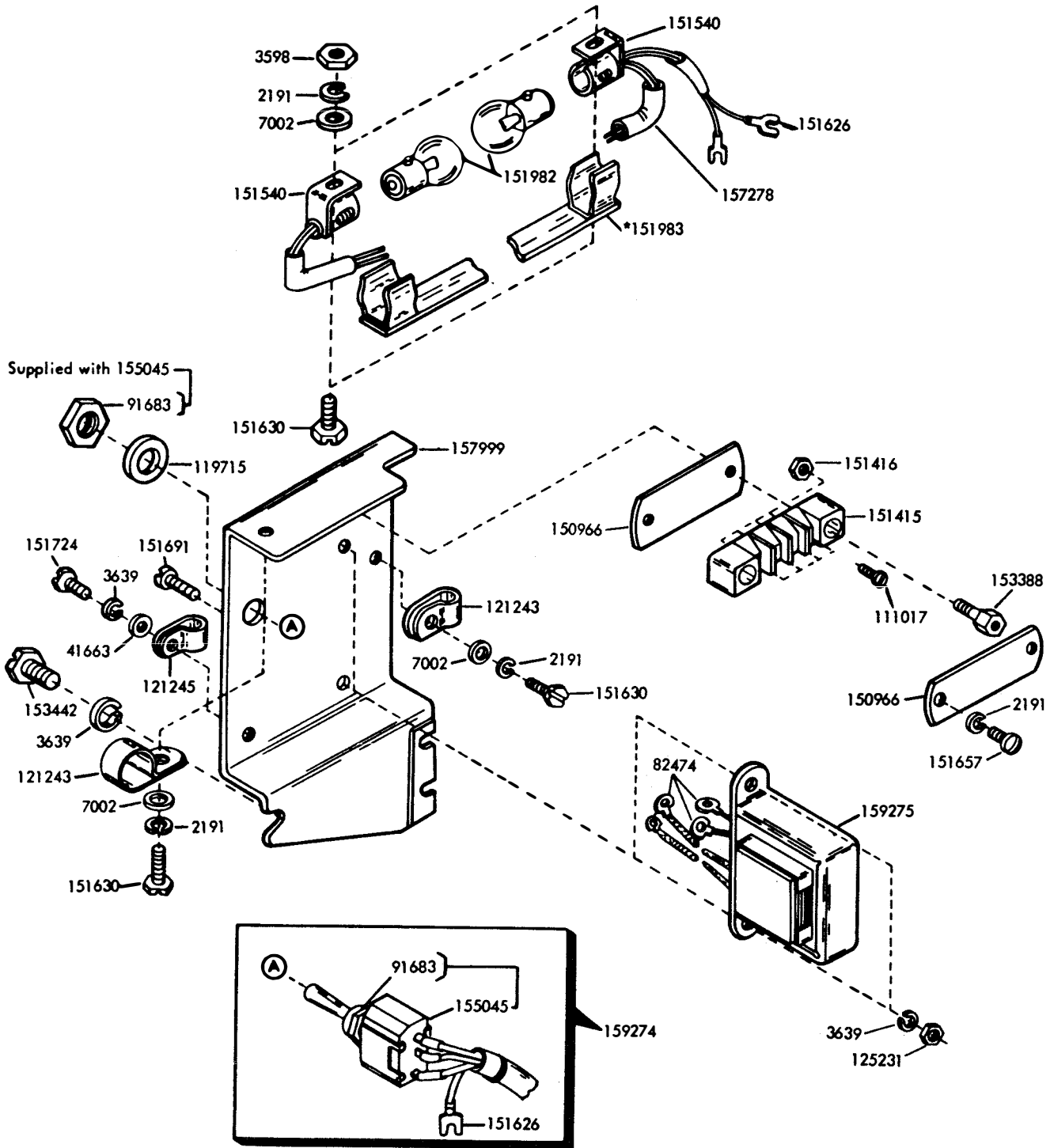


FIGURE 1-16. LAC2148R CABINET



Part marked with an asterisk (*)
is no longer available use
162629 modification kit shown above.

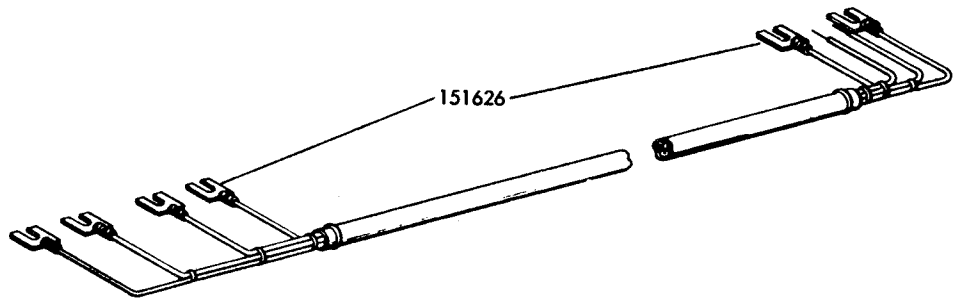
FIGURE 1-17. VARIABLE FEATURES FOR LAC214BR



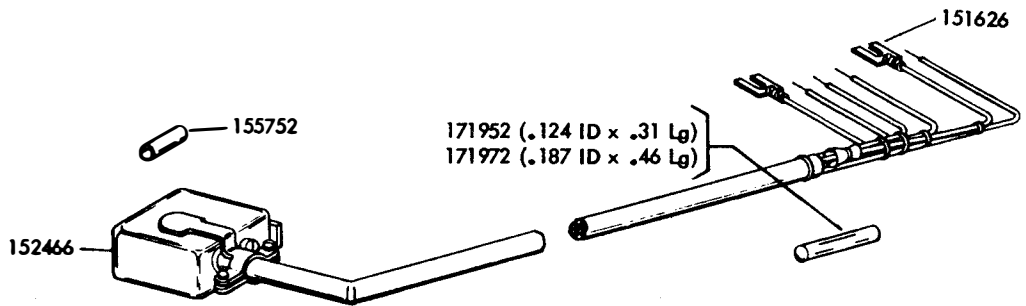
SPECIFICATION 5853S

*Not Part of 159357

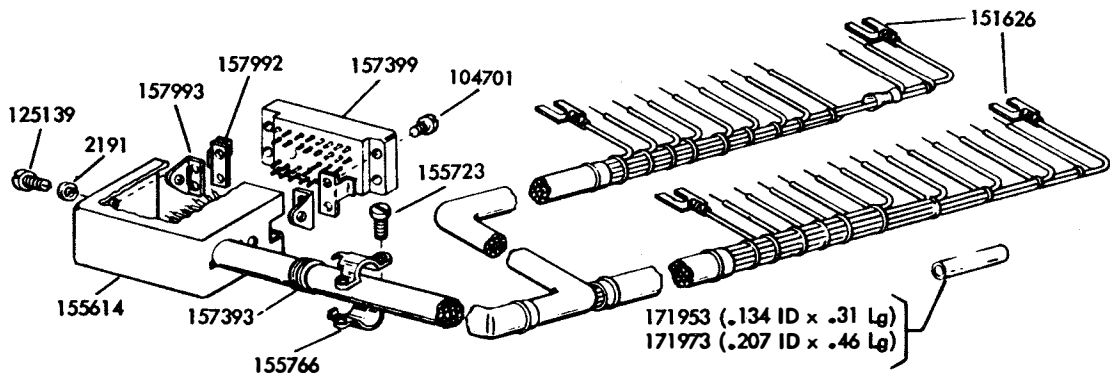
FIGURE 1-18. 159357 MODIFICATION KIT TO PROVIDE 5.5 VOLT A.C. INCANDESCENT COPYLIGHT SYSTEM



173784 MOTOR AND MARGIN INDICATOR CABLE ASSEMBLY

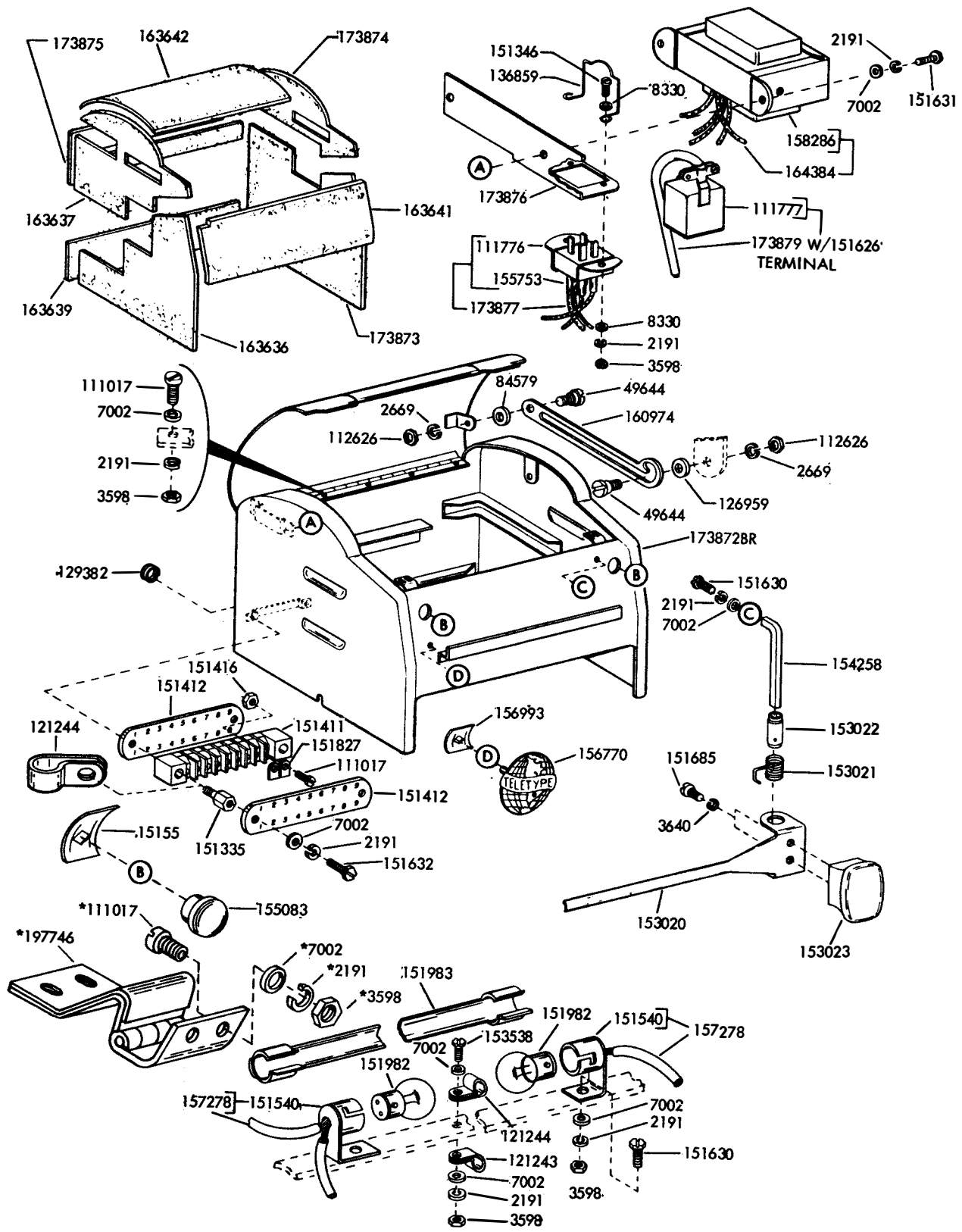


173785 KEYBOARD CABLE ASSEMBLY



173792 PRINTER CABLE ASSEMBLY

FIGURE 1-19. CONSOLE PAGE PRINTER CABLES



*Replacement Hinge for Cabinet Cover

FIGURE 1-20. LPC2068R COVER

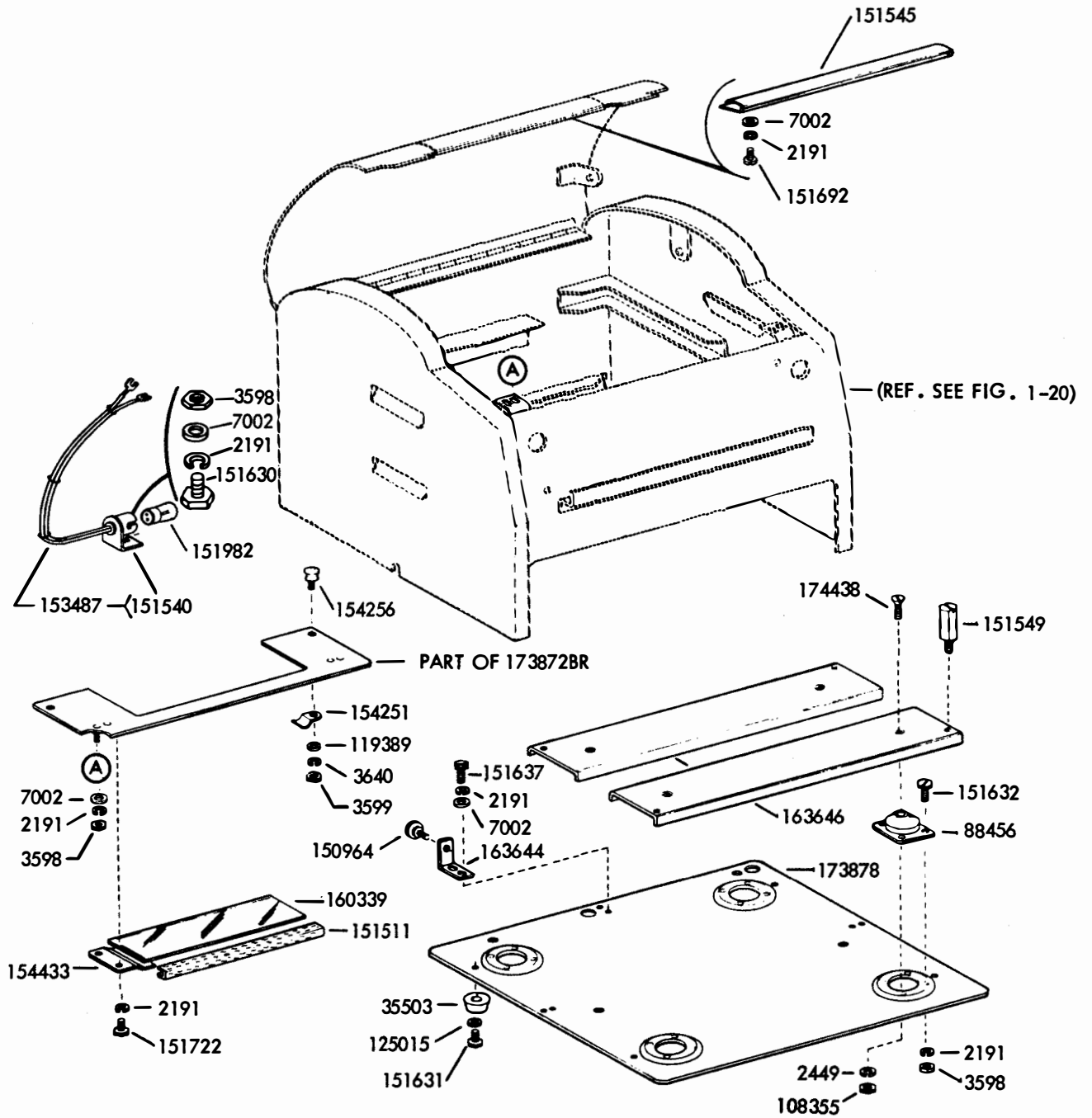


FIGURE 1-21. VARIABLE FEATURES FOR LPC206BR

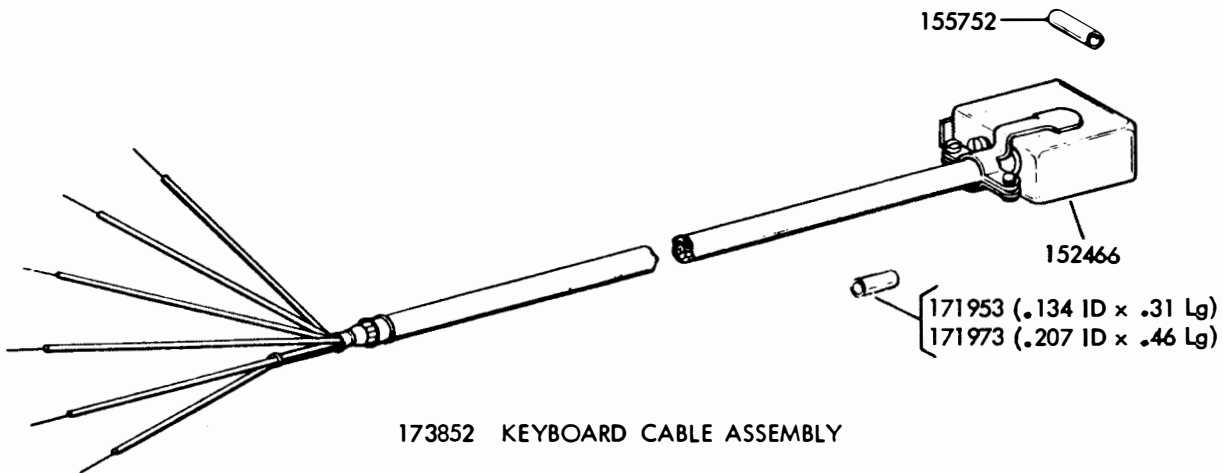
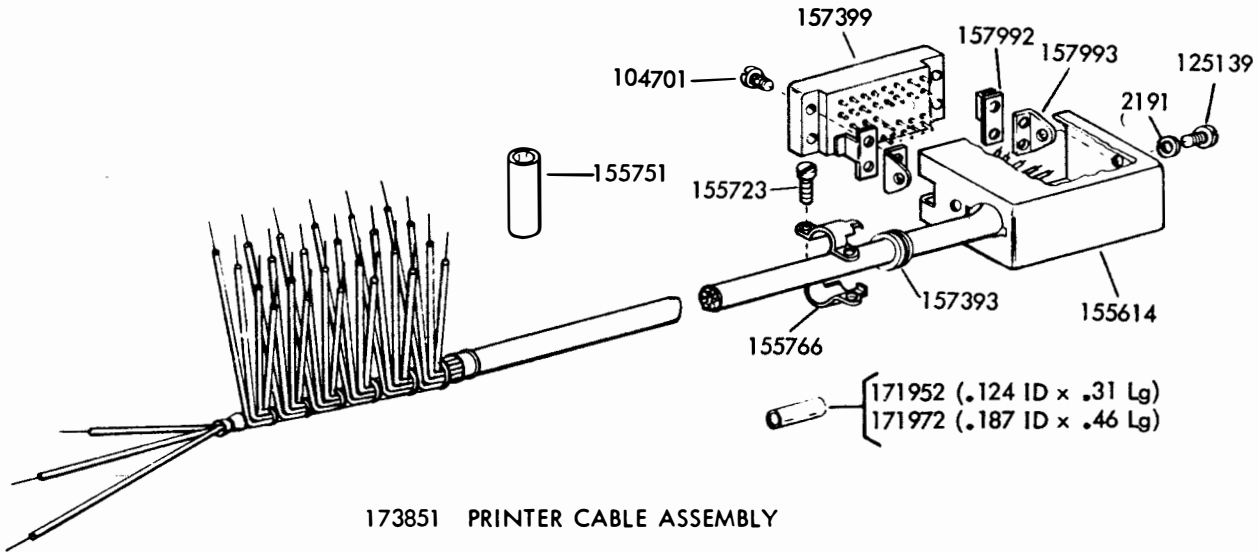
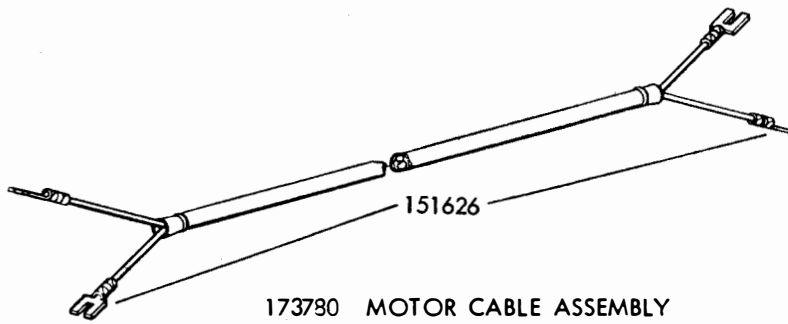
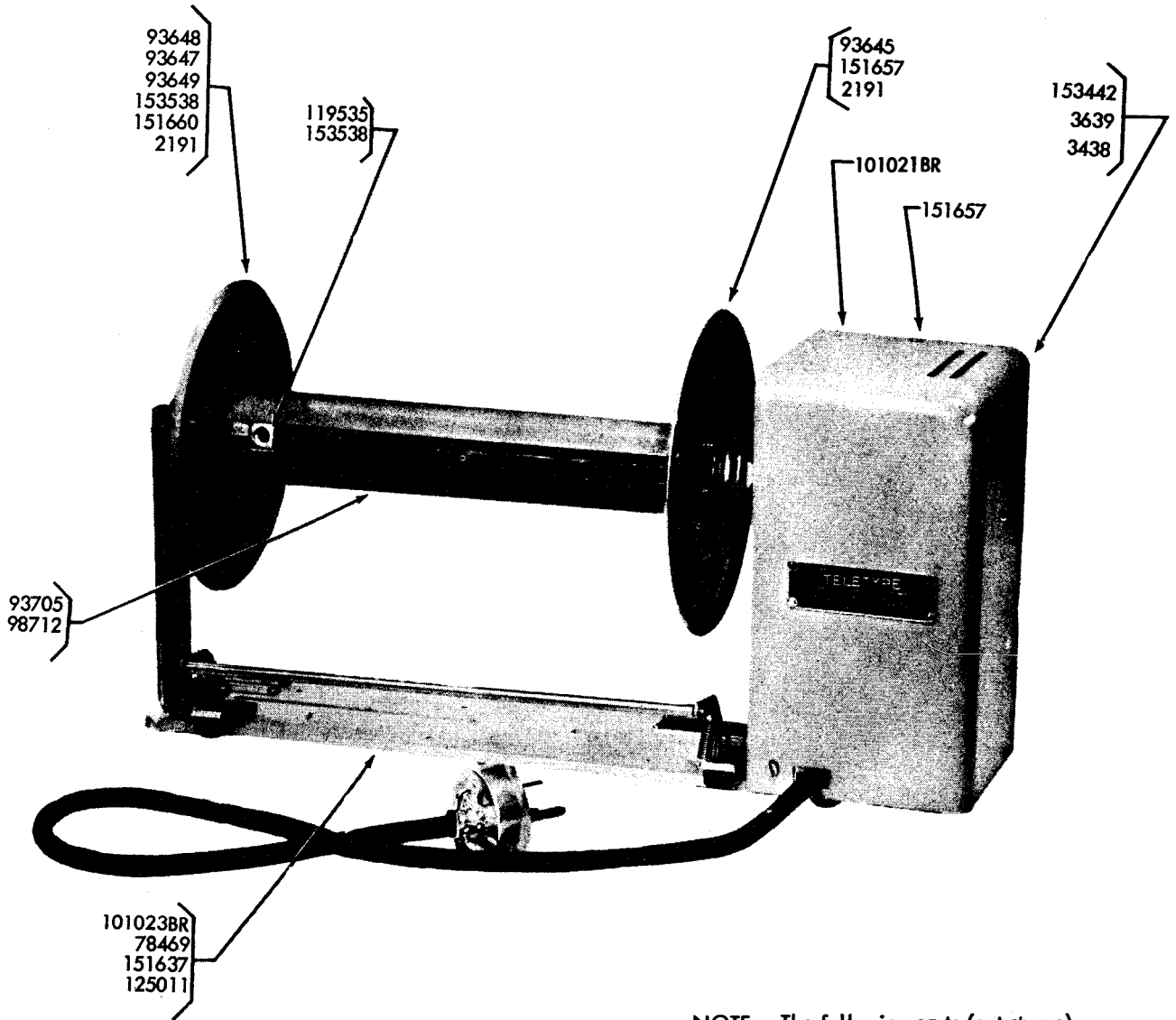


FIGURE 1-22. RACK MOUNTED PAGE PRINTER CABLES



NOTE: The following parts (not shown) are included to mount the PAPER WINDER

- 2201
- 3438
- 3900
- 4814
- 7099

FIGURE 1-23. PW201BR PAPER WINDER

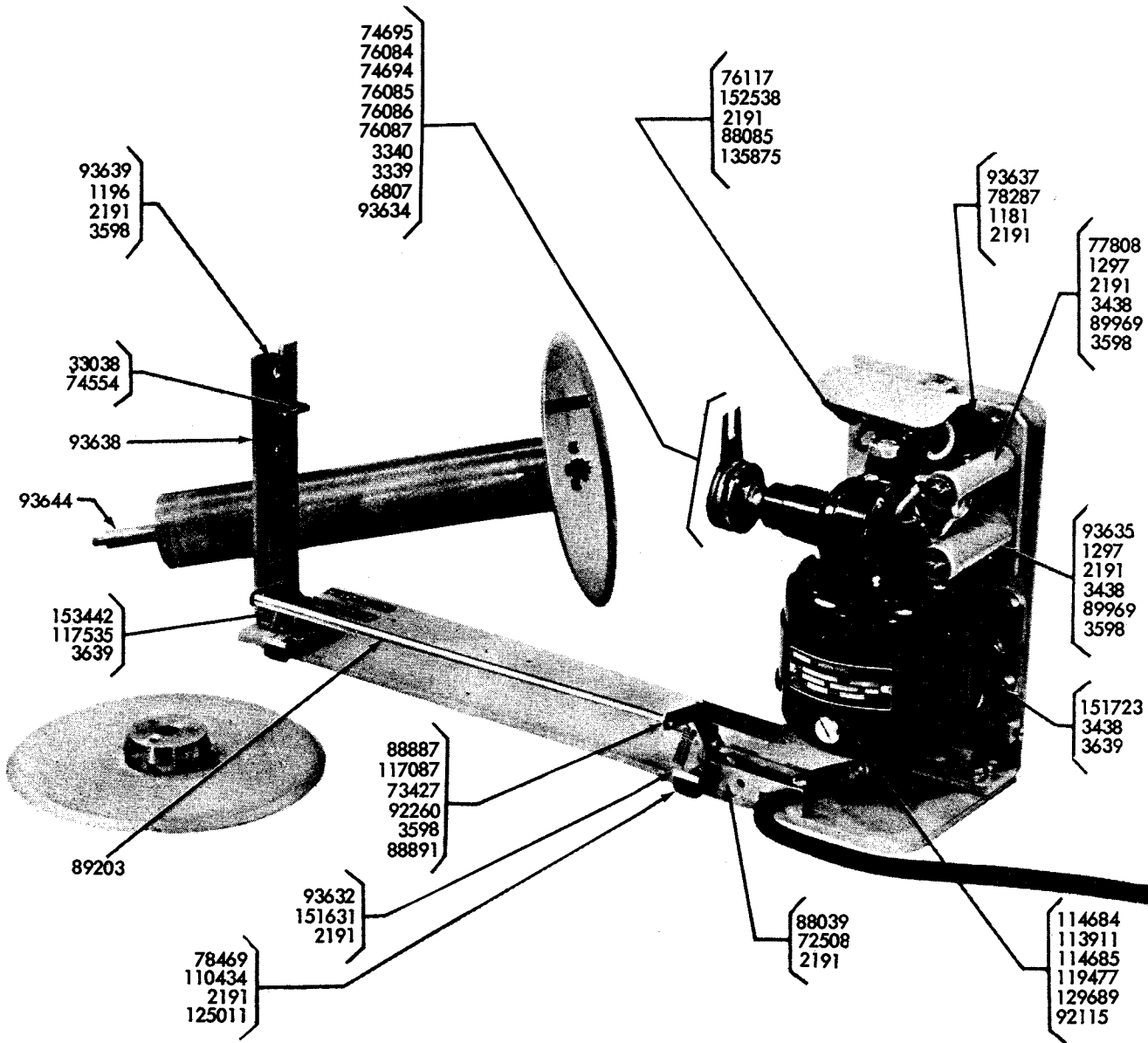


FIGURE 1-24. PW201BR PAPER WINDER

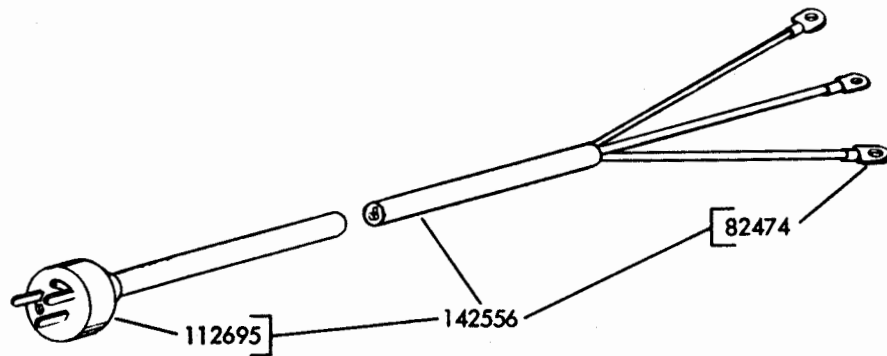
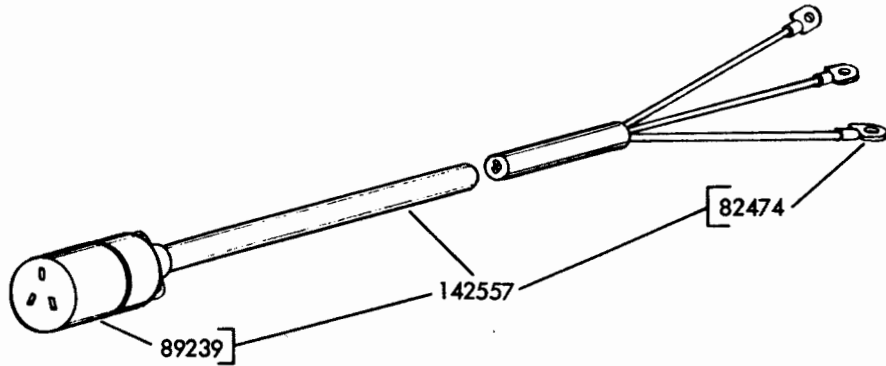
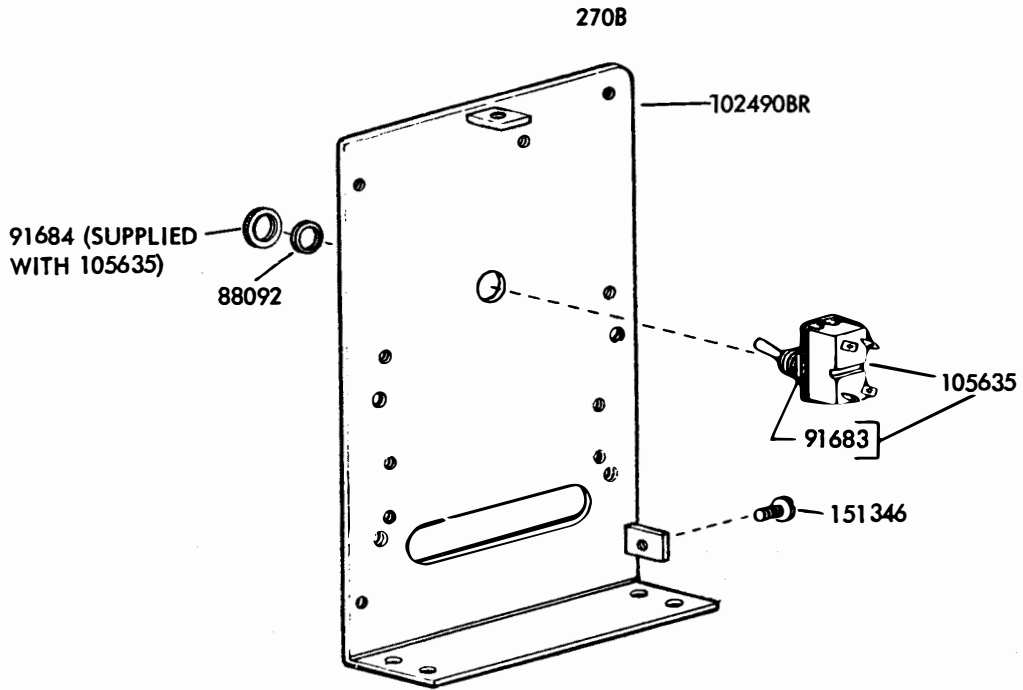


FIGURE 1-25. PW201BR PAPER WINDER CABLES

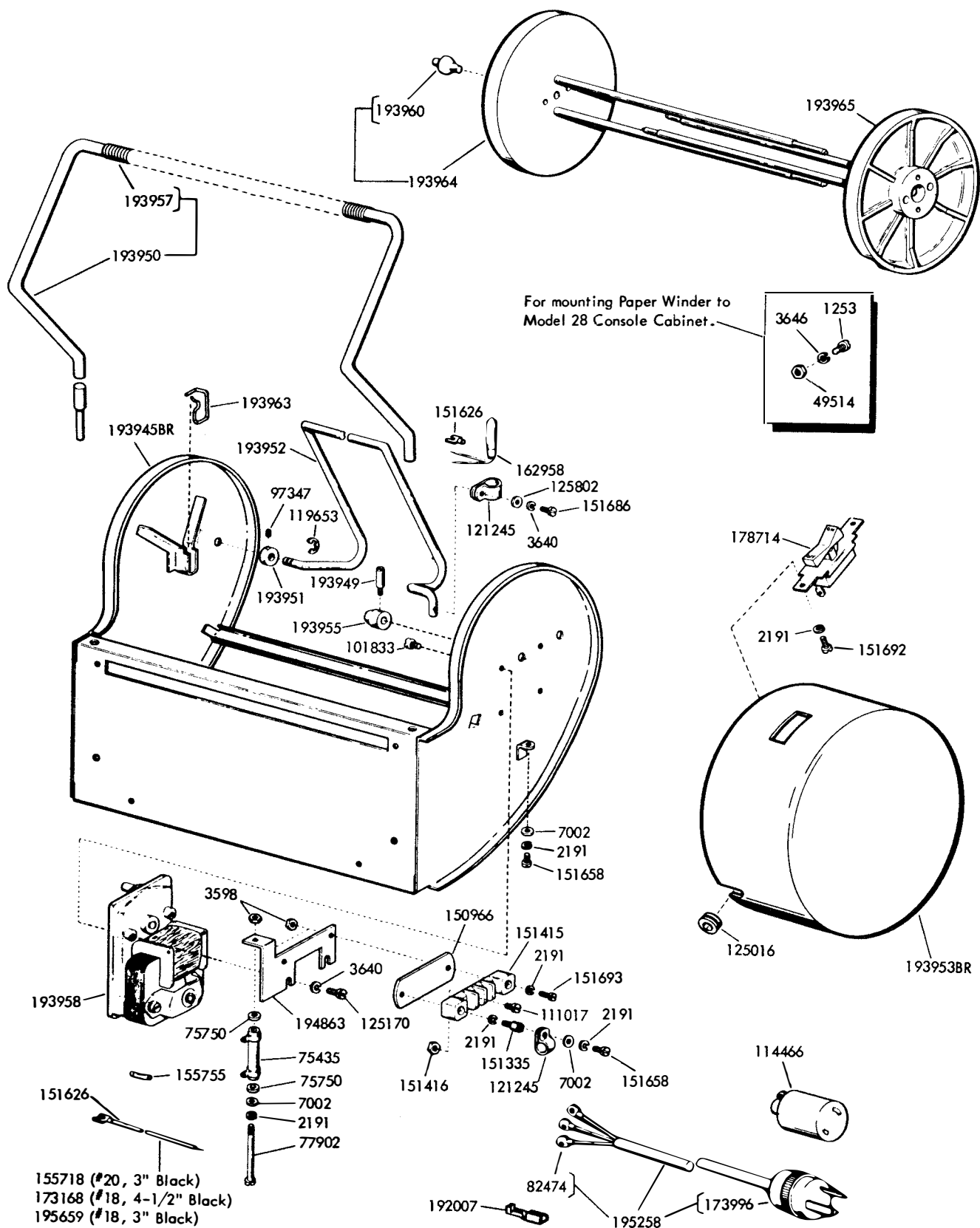


FIGURE 1-26. LPW300BR PAPER WINDER ASSEMBLY

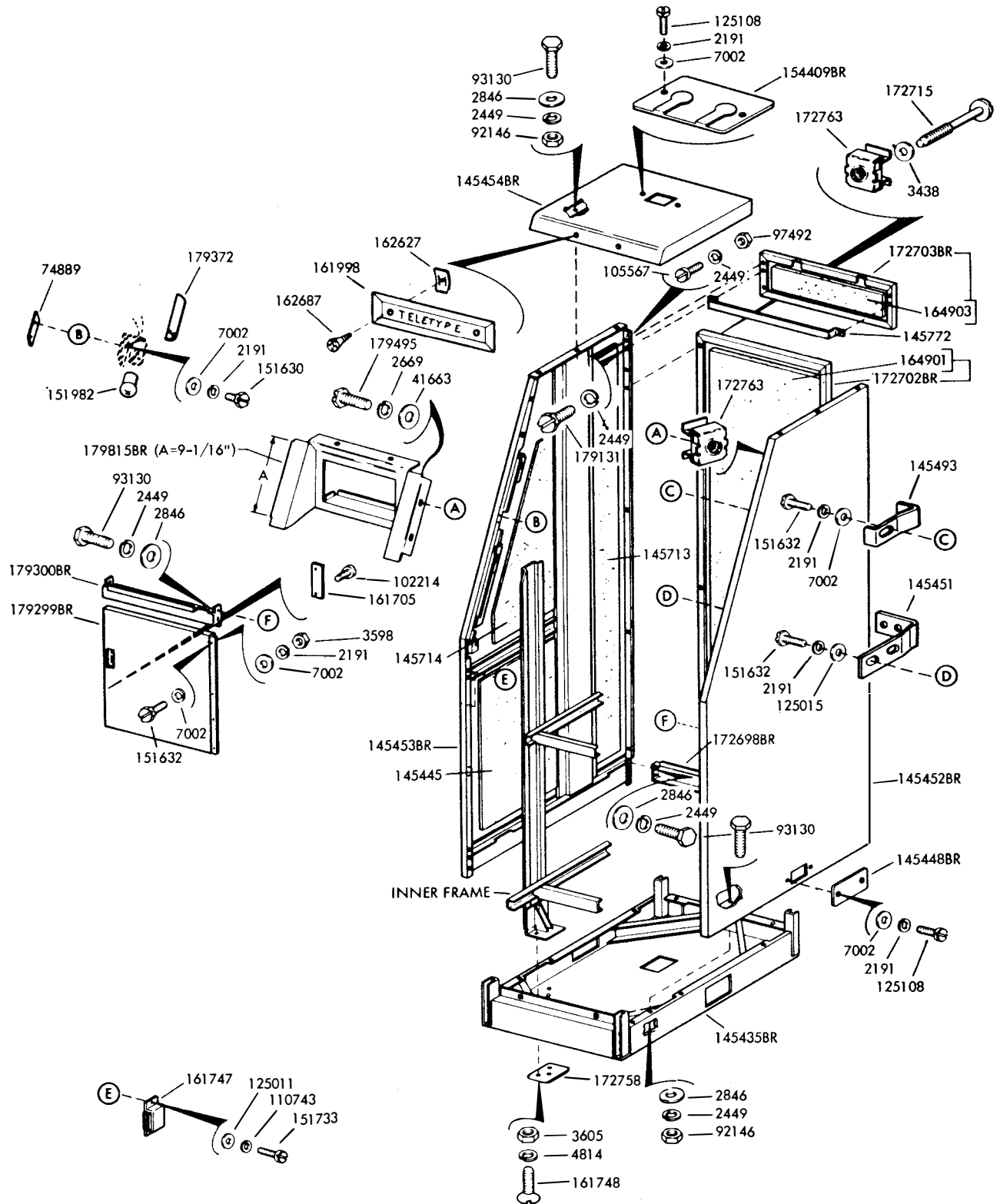


FIGURE 1-27. CABINET COMPONENTS

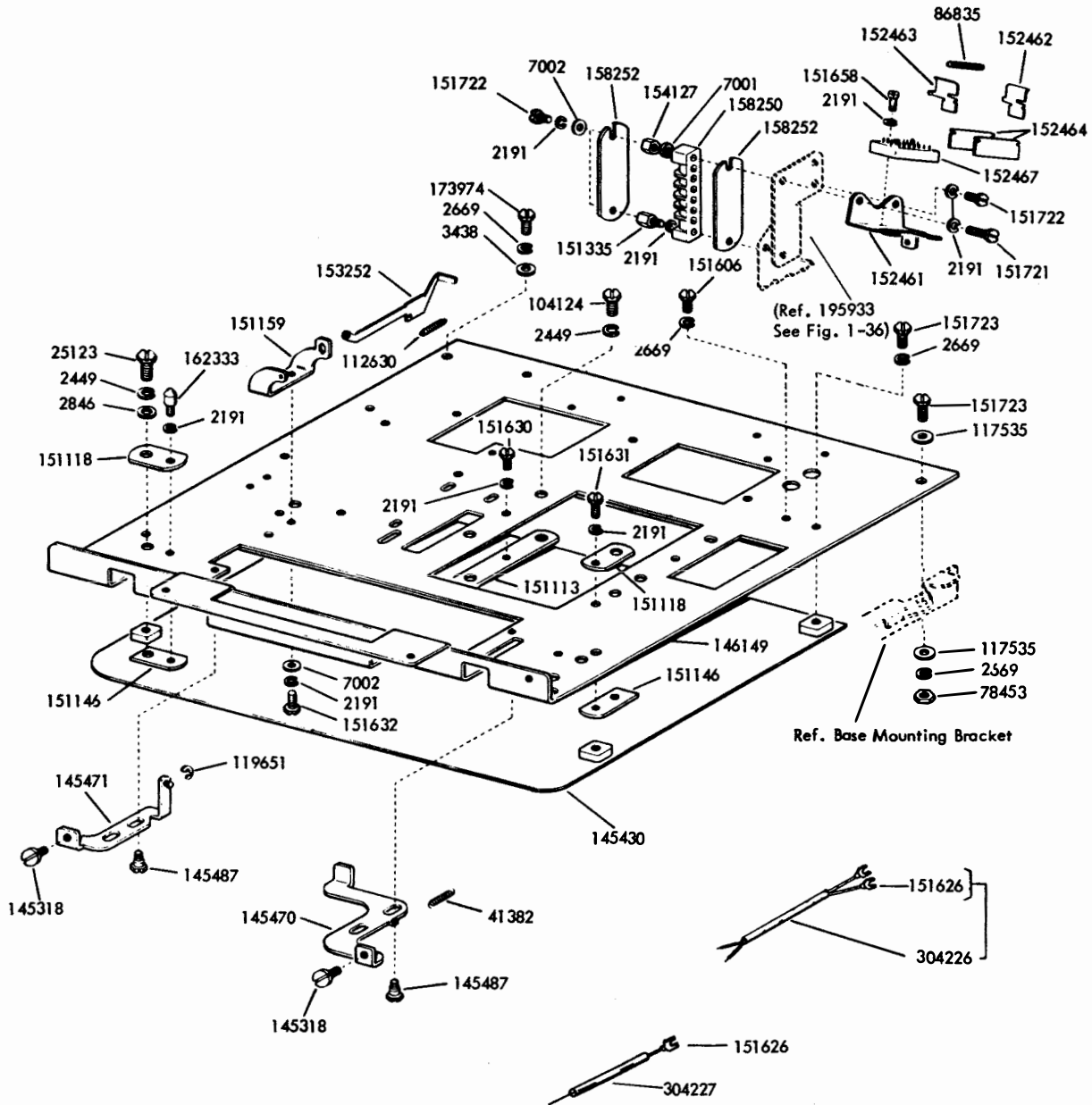


FIGURE 1-28. 304195 BASE ASSEMBLY

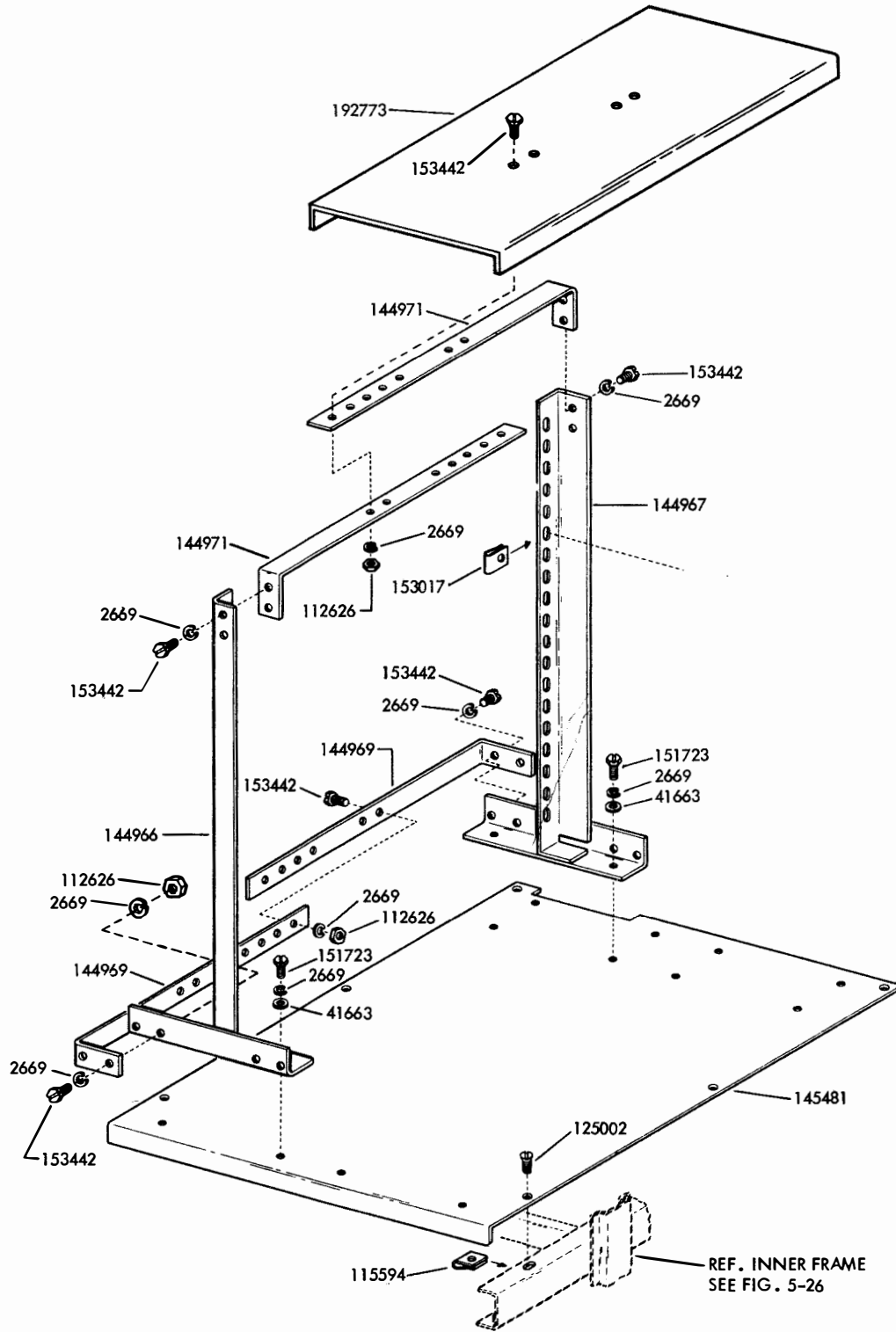


FIGURE 1-29. 144965 RACK ASSEMBLY

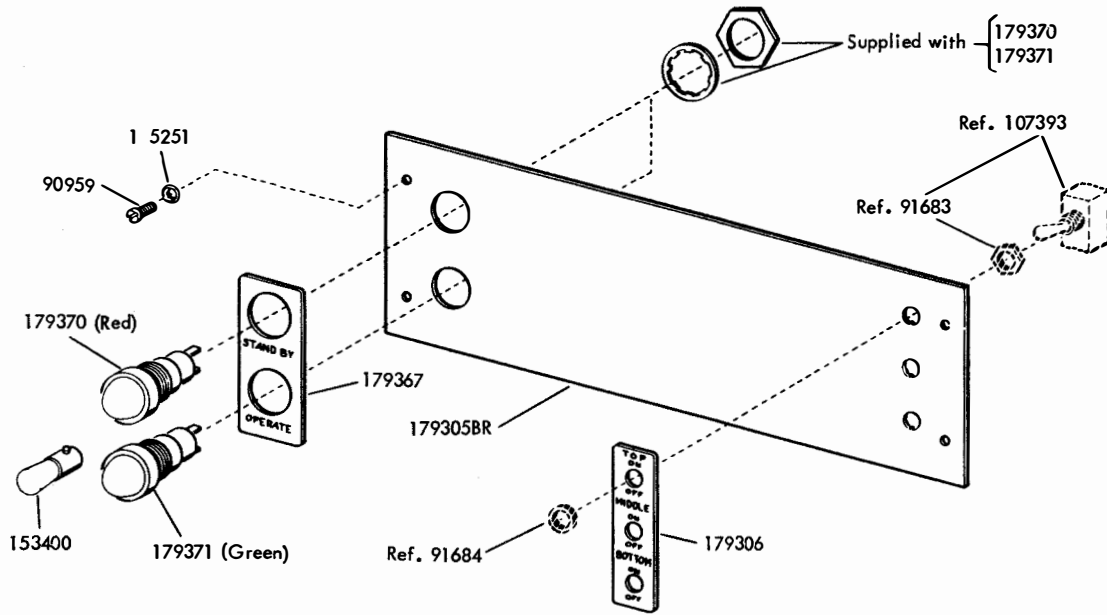


FIGURE 1-30. CONTROL PANEL

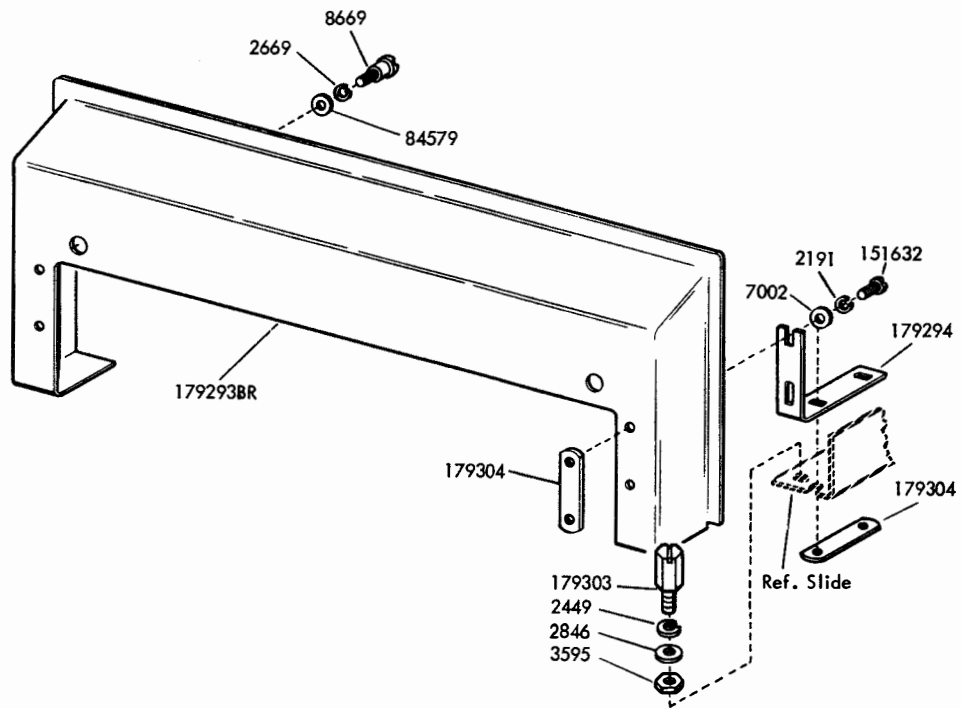


FIGURE 1-31. KEYBOARD PANEL ASSEMBLY

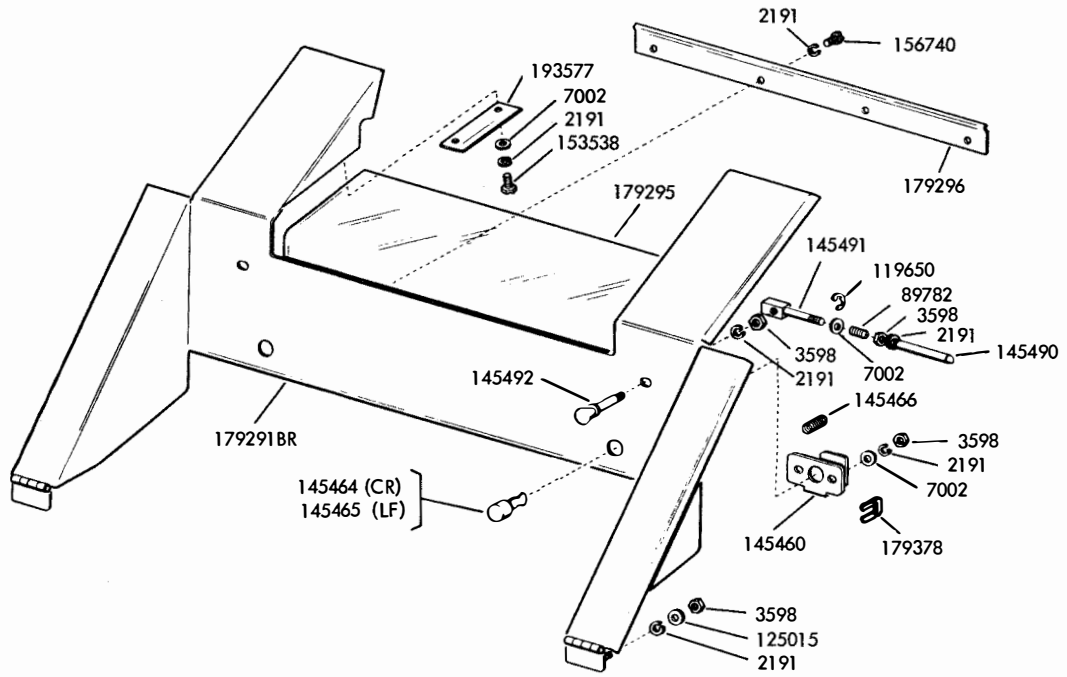


FIGURE 1-32. 179311BR TOP AND MIDDLE COVER ASSEMBLY

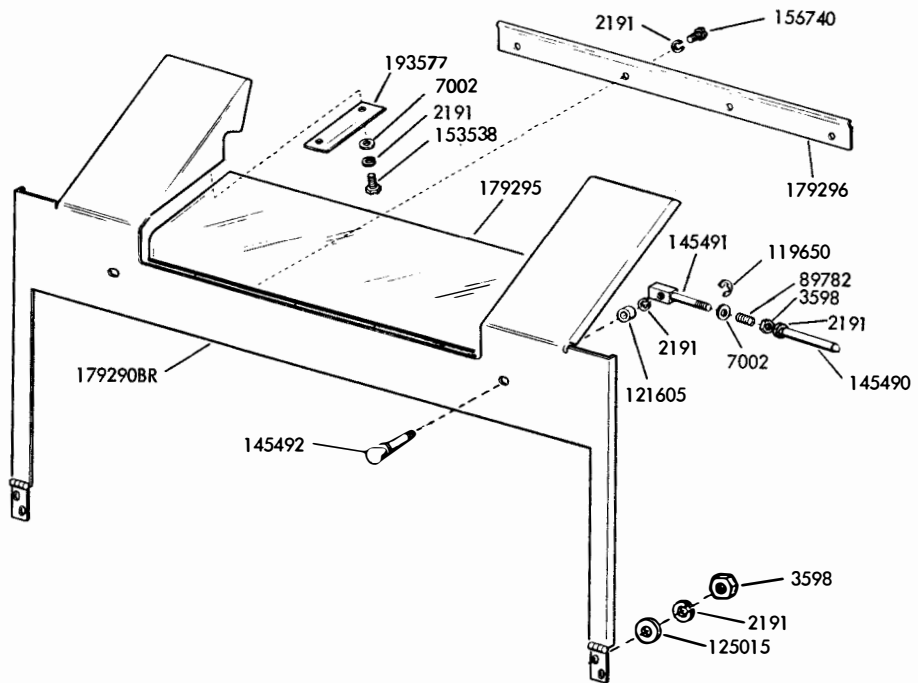


FIGURE 1-33 179312BR BOTTOM COVER ASSEMBLY

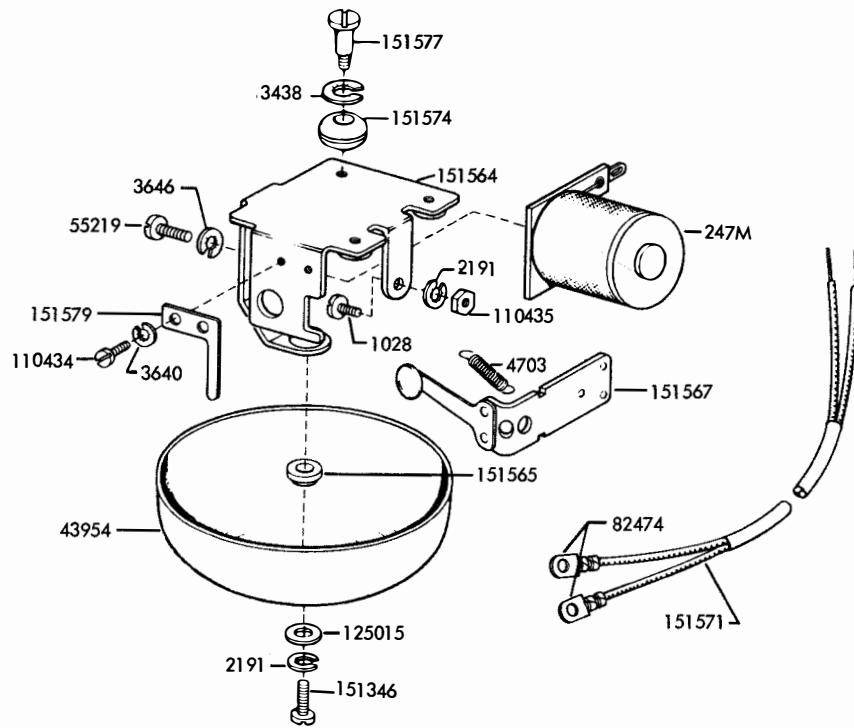
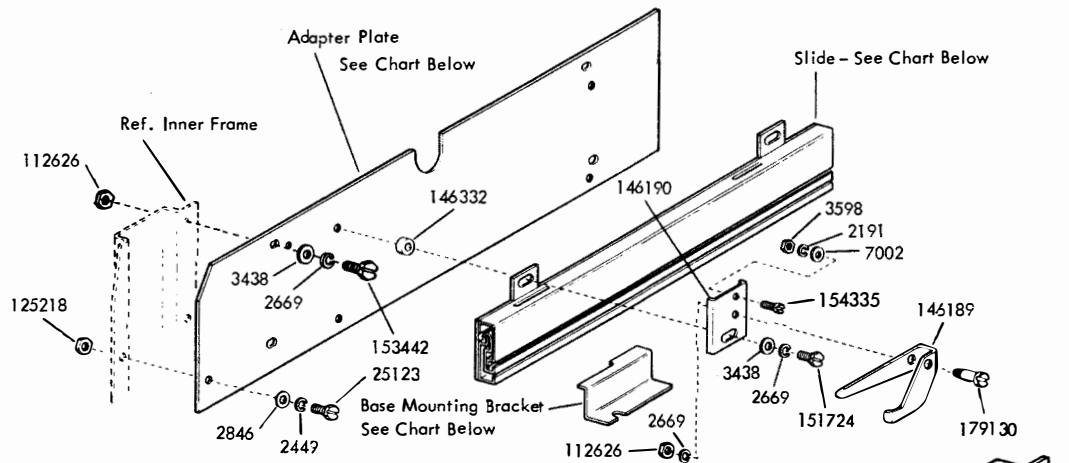


FIGURE 1-34. 151560 SIGNAL BELL ASSEMBLY



Description	Location						
	Top		Center		Bottom		
	Left	Right	Left	Right	Left	Right	
Adapter Plate	146171	146171	146173	146173	146179	146179	
Slide	146187	146188	146185	146186	146185	146186	
Base Mounting Bracket	Front	146164	146163	146170	146169	146182	146181
	Rear	146166	146165	146168	146167	146184	146183

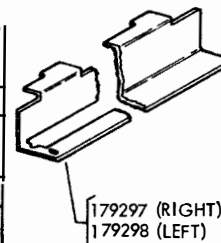
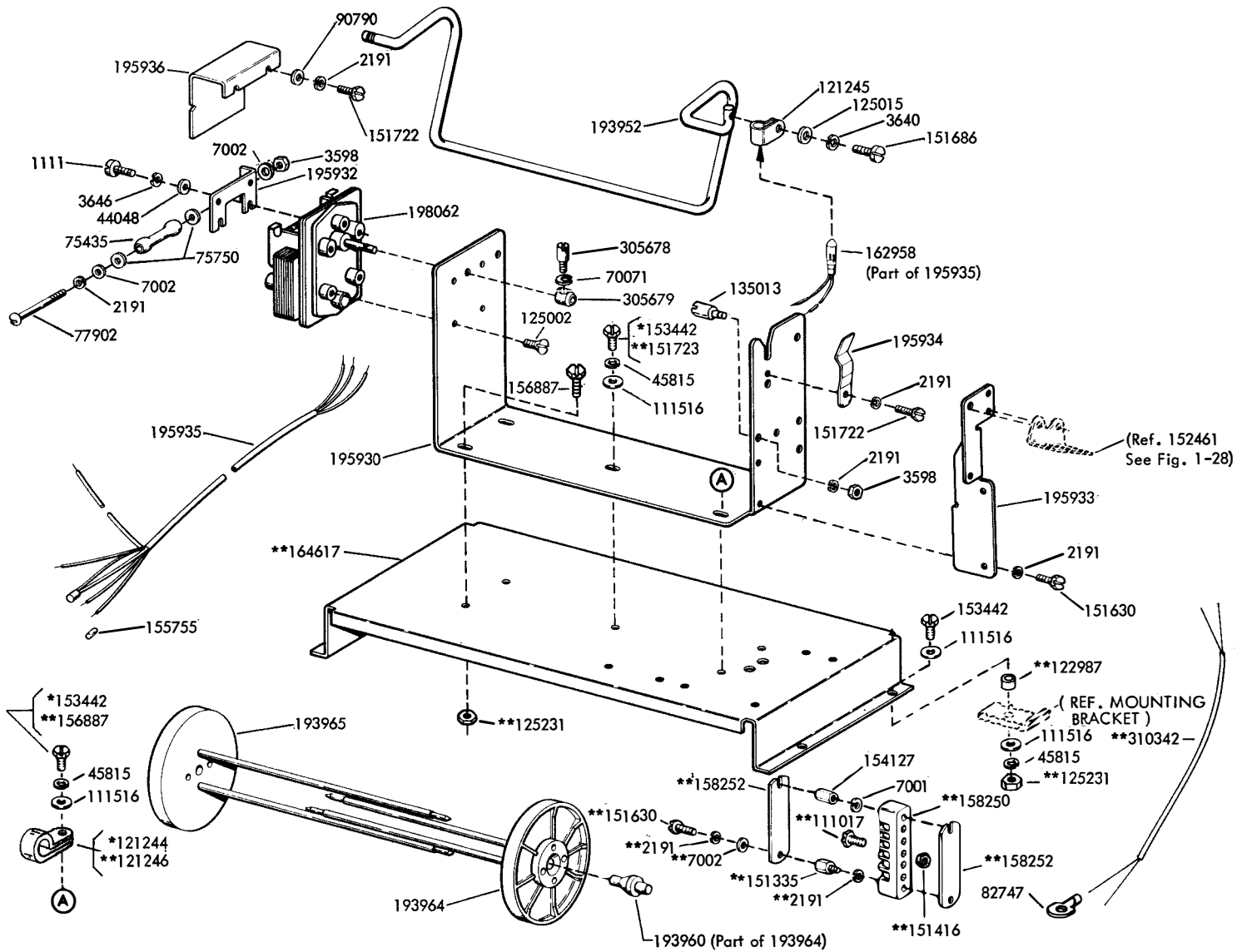


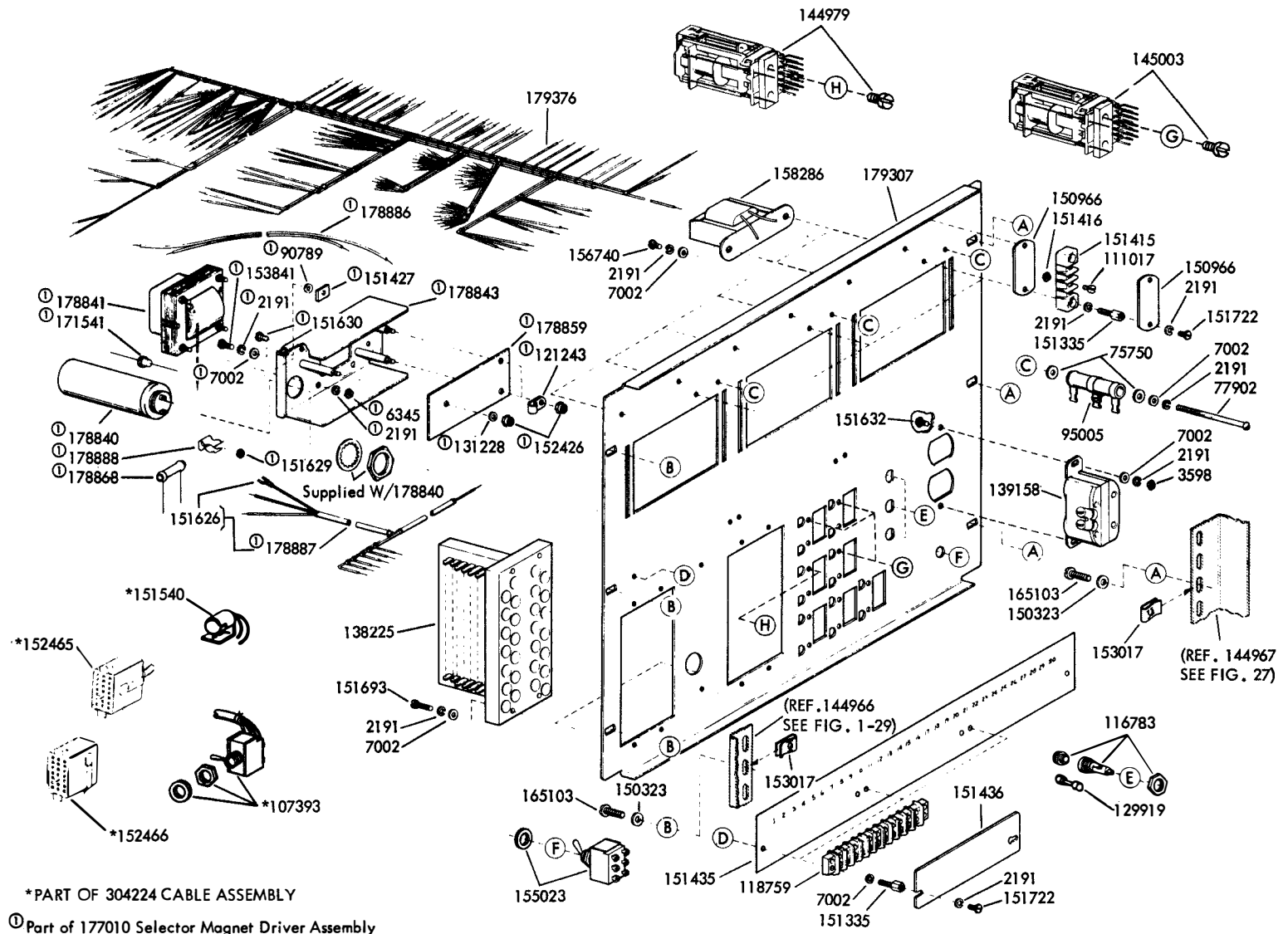
FIGURE 1-35. SLIDE ASSEMBLIES (LBAC255BR)

FIGURE 1-36. 195921 AND 195922 MODIFICATION KITS TO EQUIP APPARATUS CABINET WITH PAPER WINDER FACILITIES



*Peculiar to 195921 - Middle and Upper Shelves
 **Peculiar to 195922 - Lower Shelf

FIGURE 1-37. 304230 ELECTRICAL SERVICE ASSEMBLY



*PART OF 304224 CABLE ASSEMBLY
 ① Part of 177010 Selector Magnet Driver Assembly

NUMERICAL INDEX - SECTION I

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
247M	Coil, Magnet 1-30	49514	Nut (8-32 Hex) 1-24	93130	Screw (1/4-20 x 1/2 Hex) 1-25
1028	Screw (4-40 x 1/4 Fil) 1-30	49644	Screw, Shoulder (10-32) 1-2, 1-18	93632	Bracket, Slack Rod 1-22
1111	Screw (8-32 x 5/16 Fil) 1-31	55219	Screw (8-32 x 3/8 Fil) 1-30	93634	Wick, Felt 1-22
1113	Screw (1/4-20 x 7/8 Hex) 1-15	70071	Washer, Lock 1-31	93635	Resistor (250 Ohm) 1-22
1181	Screw (6-40 x 11/16 Fil) 1-22	70720	Screw, Shoulder (10-32) 1-2	93637	Plate 1-22
1196	Screw, Shoulder (6-40) 1-22	71858	Washer, Flat 1-4, 1-15	93638	Bracket, Bearing 1-22
1253	Screw (8-32 x 3/8 Rd) 1-24	72508	Screw (6-40 x 3/4 Hex) 1-22	93639	Latch W/Post 1-22
1297	Screw (6-40 x 2-7/8 Fil) 1-22	73427	Washer, Flat 1-22	93644	Shaft 1-22
2191	Washer, Lock 1-2 to 1-12, 1-14 to 1-22, 1-24, 1-25, 1-26, 1-28 to 1-32	73572	Screw (1/4-20 x 1 Hex) 1-15	93645	Spindle, Left Paper 1-21
2201	Nut (5/16-32 Hex) 1-21	74479	Bushing 1-6, 1-15	93647	Hub, Right Paper Spindle 1-21
2449	Washer, Lock 1-2, 1-4, 1-9, 1-10, 1-15, 1-19, 1-25, 1-26, 1-28, 1-30	74546	Clamp, Cable 1-14	93648	Spindle, Right Paper 1-21
2669	Washer, Lock 1-2, 1-4, 1-7, 1-18, 1-25 to 1-28, 1-30	74554	Post, Spring 1-22	93705	Cylinder, Paper Spindle (8-1/2") 1-21
2846	Washer, Flat 1-9, 1-10, 1-15, 1-25, 1-26, 1-28, 1-30	74567	Screw (1/4-20 x 33/64 Hex) 1-15	95005	Resistor (2500 Ohm) 1-32
3292	Nut (1/4-20 Hex) 1-2	74594	Ring, Retaining 1-2, 1-14	97347	Screw, Set (4-40) 1-24
3339	Nut (9/16-32 Hex) 1-22	74694	Arm, Friction 1-22	97492	Nut (10-24 Hex) 1-25
3340	Washer, Lock 1-22	74695	Sleeve, Friction 1-22	98642	Washer, Lock 1-14, 1-15
3438	Washer, Flat 1-14, 1-21, 1-22, 1-25, 1-26, 1-30	74712	Spring 1-14	98712	Screw (4-40 x 1/4 Flat) 1-21
3595	Nut (1/4-32 Hex) 1-28	74807	Nut (10-32 Hex) 1-2	100011	Nut (6-40 Hex) 1-3, 1-6
3598	Nut (6-40 Hex) 1-2, 1-3, 1-5, 1-6, 1-7, 1-11, 1-14, 1-15, 1-16, 1-18, 1-19, 1-22, 1-24, 1-25, 1-29 to 1-32	74889	Block, Mounting 1-25	101021BR	Cover 1-21
3599	Nut (4-40 Hex) 1-2, 1-19	75435	Resistor (600 Ohm) 1-24, 1-31	101023BR	Plate 1-21
3605	Nut (5/16-18 Hex) 1-25	75750	Washer, Insulating 1-24, 1-31, 1-32	101633	Washer, Flat 1-2
3639	Washer, Lock 1-2, 1-3, 1-4, 1-6, 1-14, 1-15, 1-16, 1-21, 1-22	76084	Washer, Felt 1-22	101833	Screw (8-32 x 5/16 Fil) 1-24
3640	Washer, Lock 1-2, 1-6, 1-9, 1-11, 1-15, 1-18, 1-19, 1-24, 1-30, 1-31	76085	Disk, Friction 1-22	102214	Screw (6-40 x 13/64 Flat) 1-25
3646	Washer, Lock 1-24, 1-30 1-31	76086	Washer, Spring 1-22	102490BR	Bracket 1-23
3900	Bushing 1-21	76087	Nut, Friction (9/16-32) 1-22	103092	Connector, Cord 1-3, 1-14
4326	Spring, Compression 1-2	76089	Washer, Flat 1-3, 1-14	103120	Nut, Speed 1-3
4703	Spring 1-30	76117	Block, Terminal 1-22	104124	Screw (1/4-32 x 11/32 Hex) 1-26
4814	Washer, Lock 1-21, 1-25	77808	Resistor (250 Ohm) 1-22	104701	Screw (4-40 x 9/32 Fil) 1-12, 1-17, 1-20
6344	Screw (6-32 x 11/32 Hex) 1-8	77902	Screw (6-40 x 2-3/8 Rd) 1-24, 1-31, 1-32	104807	Washer, Flat 1-8, 1-11, 1-15
6345	Nut (6-32 Hex) 1-3, 1-14, 1-32	78287	Collar 1-22	105029	Washer, Flat 1-4
6807	Screw, Set (6-40) 1-22	78453	Nut (10-32 Hex) 1-26	105567	Screw (10-24 x 1/2 Fil) 1-25
7001	Washer, Flat 1-26, 1-31	78469	Foot, Rubber 1-21, 1-22	105635	Switch, Toggle 1-23
7002	Washer, Flat 1-2, 1-3, 1-5, 1-6, 1-7, 1-11, 1-14, 1-16, 1-18, 1-19, 1-24, 1-25, 1-26, 1-28 to 1-32	79890	Screw (1/4-32 x 7/8 Hex) 1-4	107116	Washer, Lock 1-3, 1-6, 1-15
7099	Screw, Thumb (10-32) 1-21	82474	Terminal 1-6, 1-16, 1-23, 1-24, 1-30, 1-31	107393	Switch, Toggle (Sp-St) 1-32
8330	Washer, Flat 1-18	82730	Screw, Shoulder (10-32) 1-7	108355	Nut (1/4-20 Hex) 1-9, 1-10, 1-19
8333	Screw (10-32 x 3/8 Rd) 1-3, 1-4, 1-6, 1-14, 1-15	84579	Washer, Flat 1-2, 1-14, 1-18, 1-28	108809	Screw (10-32 x 27/32 Hex) 1-4
8669	Screw, Shoulder (6-40) 1-28	86835	Spring 1-26	110434	Screw (4-40 x 3/16 Fil) 1-22, 1-30
25123	Screw (1/4-32 x 7/16 Hex) 1-26, 1-30	88039	Clamp, Cable 1-22	110435	Nut (4-40 Hex) 1-30
33038	Spring 1-22	88085	Cable 1-22	110743	Washer, Lock 1-8, 1-9, 1-15, 1-25
34432	Washer, Flat 1-2	88092	Washer, Flat 1-23	111017	Screw (6-40 x 5/16 Fil) 1-2, 1-3, 1-4, 1-6, 1-7, 1-16, 1-18, 1-24, 1-31, 1-32
35503	Foot, Rubber 1-19	88456	Mount, Vibration 1-19	111345	Bolt 1-2
35826	Washer, Flat 1-14	88887	Lever, Slack Rod 1-22	111346	Spring, Compression 1-2
41382	Spring 1-26	88891	Spring 1-22	111516	Washer, Flat 1-31
41663	Washer, Flat 1-16, 1-25, 1-27	89203	Rod, Paper Slack 1-22	111776	Connector, Plug (4 Pt) 1-18
43954	Bell 1-30	89239	Connector, Receptacle (3 Pt) 1-23	111777	Connector, Receptacle (4 Pt) 1-18
44048	Washer, Flat 1-31	89515	Screw (6-32 Spl) 1-3	112206	Washer, Flat 1-3
45815	Washer, Lock 1-4, 1-9, 1-31	89782	Spring, Compression 1-29	112626	Nut (10-32 Hex) 1-2, 1-4, 1-9, 1-18, 1-27, 1-30
		89969	Washer, Insulating 1-22	112630	Spring 1-26
		90560	Washer, Flat 1-11	112695	Connector, Plug (3 Pt) 1-23
		90599	Shim (.008") 1-9	113911	Cap, Motor Brush 1-22
		90789	Washer, Flat 1-32	114466	Connector, Receptacle (2 Pt) 1-24
		90790	Washer, Flat 1-31	114478	Nut (15/32-32 Hex) 1-13
		90959	Screw (6-32 x 3/8 Oval) 1-28	114589	Mount, Vibration 1-4, 1-15
		91683	Nut (15/32-32 Hex) 1-6, 1-16, 1-23	114684	Motor, 115V DC 60 Cycle 1-22
		91684	Nut (15/32-32 Ring) 1-13, 1-23	114685	Brush, Motor 1-22
		92115	Screw, Set (8-32) 1-22	114766	Stud 1-14
		92146	Nut (1/4-20 Hex) 1-2, 1-15, 1-25	115593	Screw, Self-Tapping (10-32) 1-2
		92260	Washer, Lock 1-22		

NUMERICAL INDEX - SECTION 1 (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
115594	Nut, Speed 1-27	145448BR	Plate, Duct 1-25	151442	Screw (6-40 x 1/2 Hex) 1-2, 1-6, 1-15
116783	Holder, Fuse 1-32	145451	Bracket 1-25	151503BR	Door 1-14
117087	Screw, Shoulder (6-40) 1-22	145452BR	Panel, Right Side 1-25	151504	Gasket, Door 1-14
117535	Washer, Flat 1-3, 1-4, 1-6, 1-7, 1-22, 1-26	145453BR	Panel, Left Side 1-25	151505	Gasket, Dome 1-14
118759	Block, Terminal 1-32	145454BR	Cover, Top 1-25	151506	Latch 1-14
119367	Screw, Set (8-32) 1-8	145460	Bracket 1-29	151507	Button, Push 1-14
119389	Washer, Flat 1-19	145464	Keylever Assembly (C.R.) 1-29	151508	Spring, Torsion 1-14
119477	Gear (60 T) 1-22	145465	Keylever Assembly (L.F.) 1-29	151509	Washer, Rubber 1-14
119535	Bushing 1-21	145466	Spring, Compression 1-29	151511	Gasket 1-6, 1-15, 1-19
119641BR	Button, Plug 1-14	145470	Link W/ Nut 1-26	151512	Seal, Noise 1-3, 1-14
119650	Ring, Retaining 1-29	145471	Link W/ Post 1-26	151513	Retainer, Window 1-14
119651	Ring, Retaining 1-26	145481	Plate 1-27	151514	Bar, Dome Latch 1-14
119653	Ring, Retaining 1-24	145487	Screw, Shoulder (6-40) 1-26	151515	Button, Push 1-14
119715	Spacer 1-16	145490	Bolt, Latch 1-29	151519	Arm, Latch 1-14
121243	Clamp, Cable (3/16" ID) 1-6, 1-16, 1-18, 1-32	145491	Extension 1-29	151521	Stud 1-15
121244	Clamp, Cable (1/4" ID) 1-6, 1-18, 1-31	145492	Screw, Thumb (6-40) 1-29	151522	Rail, Side Cradle 1-15
121245	Clamp, Cable (5/16" ID) 1-5, 1-15, 1-16, 1-24, 1-31	145493	Plate, Striker 1-25	151523	Hub 1-14
121246	Clamp, Cable (3/8" ID) 1-3, 1-6, 1-31	145713	Pad, Felt 1-25	151524	Hinge, Cradle 1-15
121605	Bushing 1-29	145714	Pad, Felt 1-25	151525	Rail, Rear Cradle 1-15
122987	Spacer 1-31	145772	Bracket 1-25	151526	Screw, Thumb (10-32) 1-2
125002	Screw (8-32 x 3/8 Flat) 1-27, 1-31	146149	Plate, Bose 1-26	151527BR	Bar, Cross 1-14
125011	Washer, Flat 1-21, 1-22, 1-25	146163	Bracket, Right Top 1-30	151530BR	Hinge Dome 1-14
125015	Washer, Flat 1-2, 1-10, 1-19, 1-25, 1-29, 1-30, 1-31	146164	Bracket, Left Top 1-30	151532BR	Cover, Form Slot 1-3
125016	Grommet, Rubber 1-24	146165	Bracket, Right Top 1-30	151534	Screw, Shoulder (10-32) 1-2, 1-14
125108	Screw (6-32 x 3/8 Fil) 1-25	146166	Bracket, Left Top 1-30	151536	Guide, Cable 1-14
125139	Screw (4-40 x 1/8 Fil) 1-12, 1-17, 1-20	146167	Bracket, Right Center 1-30	151538	Spring, Torsion 1-14
125170	Screw (8-32 x 5/16 Fil) 1-24	146168	Bracket, Left Center 1-30	151540	Lampholder 1-6, 1-15, 1-16, 1-18, 1-19, 1-32
125218	Nut (1/4-32 Hex) 1-4, 1-15, 1-30	146169	Bracket, Right Center 1-30	151542	Stud 1-14
125231	Nut (10-32 Hex) 1-4, 1-14, 1-15, 1-16, 1-31	146170	Bracket, Left Center 1-30	151545	Guide, Paper 1-3, 1-14, 1-19
125802	Washer, Flat 1-24	146171	Plate, Top 1-30	151549	Post 1-4, 1-15, 1-19
126959	Washer, Flat 1-18	146173	Plate, Center 1-30	151555	Foot, Mounting 1-2
128357	Ring, Retaining 1-2, 1-14	146179	Plate, Bottom 1-30	151558	Nut, Speed 1-2, 1-14, 1-18
129382	Grommet, Rubber 1-18	146181	Bracket, Right Bottom 1-30	151560	Bell Assembly, Remote 1-30
129689	Gear (1 T) 1-22	146182	Bracket, Left Bottom 1-30	151564	Bracket 1-30
129919	Fuse (4 Amp) 1-32	146183	Bracket, Right Bottom 1-30	151565	Bushing, Shoulder 1-30
131228	Washer, Insulating 1-32	146184	Bracket, Left Bottom 1-30	151567	Armature W/Clapper 1-30
135013	Stud 1-31	146185	Slide, Left 1-30	151569	Strap 1-4, 1-15
135875	Cover, Block 1-22	146186	Slide, Right 1-30	151571	Cable W/Terminals 1-30
136859	Holder, Plug 1-18	146187	Slide, Left 1-30	151572	Washer, Lock 1-3, 1-4
138225	Block, Terminal 1-32	146188	Slide, Right 1-30	151574	Grommet, Rubber 1-30
139158	Connector, Receptacle (Duplex) 1-32	146189	Latch 1-30	151577	Screw, Shoulder (6-40) 1-30
142556	Cable Assembly 1-23	146190	Bracket, Channel 1-30	151578	Hinge 1-14
142557	Cable Assembly 1-23	146332	Bushing, Spacer 1-30	151579	Plate, Retaining 1-30
144965	Rack Assembly 1-27	150040	Screw (6-40 x 5/8 Fil) 1-2, 1-3, 1-14, 1-15	151589	Cradle Assembly 1-15
144966	Bracket, Left 1-27	150323	Washer, Flat 1-32	151599	Lever 1-14
144967	Bracket, Right 1-27	150964	Screw, Shoulder (6-40) 1-19	151606	Screw (10-32 x 1/4 Hex) 1-26
144969	Brace, Lower 1-27	150966	Insulator (1-4) 1-16, 1-24, 1-32	151616	Screw, Self-Tapping (#2) 1-3
144971	Brace, Upper 1-27	151113	Strip, Mounting 1-26	151626	Terminal 1-5, 1-12 to 1-18, 1-20, 1-24, 1-26, 1-32
144979	Relay (700 Ohm) 1-32	151118	Plate, Spacing 1-26	151629	Nut (6-40 Lug) 1-32
145003	Relay (700 Ohm) 1-32	151146	Strap, Mounting 1-26	151630	Screw (6-40 x 1/4 Hex) 1-3, 1-5, 1-6, 1-10, 1-15, 1-16, 1-18, 1-19, 1-25, 1-26, 1-31, 1-32
145251	Washer, Cup 1-28	151152	Screw (4-40 x 3/16 Hex) 1-8, 1-11, 1-15	151631	Screw (6-40 x 5/16 Hex) 1-5, 1-7, 1-11, 1-18, 1-19, 1-22, 1-26
145318	Screw (6-40 Spl) 1-26	151159	Bracket 1-26	151632	Screw (6-40 x 3/8 Hex) 1-11, 1-18, 1-19, 1-25, 1-26, 1-28, 1-32
145430	Plate, Oil Drip 1-26	151335	Stud 1-5, 1-18, 1-24, 1-26, 1-31, 1-32	151637	Screw (4-40 x 1/4 Fil) 1-9, 1-19, 1-21
145435	Base, Outer Frame 1-25	151346	Screw (6-40 x 3/8 Fil) 1-5, 1-6, 1-18, 1-23, 1-30	151657	Screw (6-40 x 1/4 Fil) 1-3, 1-4, 1-5, 1-14, 1-16, 1-21
145445	Pad, Felt 1-25	151411	Block, Terminal 1-18		
		151412	Insulator (1-9) 1-18		
		151415	Block, Terminal 1-16, 1-24, 1-32		
		151416	Nut (6-40 Hex) 1-16, 1-18, 1-24, 1-31, 1-32		
		151427	Plate, Clamp 1-32		
		151435	Insulator (1-30) 1-32		
		151436	Cover 1-32		

NUMERICAL INDEX - SECTION 1 (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
151658	Screw (6-40 x 5/16 Fil) 1-2, 1-6, 1-15, 1-24, 1-26	153037	Spring, Compression 1-2, 1-14	154456BR	Plate, Cover 1-2
151659	Screw (6-40 x 1/2 Fil) 1-4, 1-6	153039	Handle 1-14	154457	Guide, Tape 1-8
151660	Screw (6-40 x 7/8 Fil) 1-21	153042	Window, Plastic 1-15	154462	Bracket 1-3
151685	Screw (4-40 x 5/16 Fil) 1-2, 1-6, 1-9, 1-15, 1-18	153048	Stud, Wing Head 1-2	154463	Mount, Vibration 1-4
151686	Screw (4-40 x 3/8 Fil) 1-24, 1-31	153099	Arm, Pivot 1-9	154464BR	Bracket 1-15
151690	Screw (10-32 x 5/16 Fil) 1-14	153102	Screw, Set (8-32) 1-8, 1-15	154481	Bar, Left Torsion 1-3
151691	Screw (10-32 x 3/8 Fil) 1-16	153106BR	Plate, Bearing 1-9	154482	Bar, Right Torsion 1-3
151692	Screw (6-40 x 3/16 Fil) 1-2, 1-14, 1-19, 1-24	153107	Arm 1-9	154483	Bolt, Eye (1/4-20) 1-2
151693	Screw (6-40 x 9/16 Fil) 1-7, 1-24, 1-32	153113	Guide, Line 1-9	154484	Nut, Shoulder (1/4-20) 1-2
151721	Screw (6-40 x 3/4 Hex) 1-26	153126	Plate, Nut 1-9	154485BR	Housing 1-7
151722	Screw (6-40 x 3/16 Hex) 1-3, 1-6, 1-15, 1-19, 1-26, 1-31, 1-32	153252	Link 1-26	154486	Spring, Detent 1-7
151723	Screw (10-32 x 3/8 Hex) 1-3, 1-4, 1-7, 1-14, 1-22, 1-26, 1-27, 1-31	153388	Stud 1-14, 1-16	154487BR	Plate 1-7
151724	Screw (10-32 x 5/8 Hex) 1-16, 1-30	153400	Lamp, Incandescent 1-28	154490BR	Bar, Left Side Cross 1-7
151726	Bumper, Rubber 1-14	153442	Screw (10-32 x 1/2 Hex) 1-14, 1-15, 1-16, 1-21, 1-22, 1-27, 1-30, 1-31	154492	Plate, Nut 1-7
151727BR	Extension, Hinge 1-14	153459	Block, Terminal 1-5, 1-14	154496BR	Panel, Front 1-3
151733	Screw (4-40 x 9/16 Fil) 1-25	153466	Cover 1-14	154497	Window, Plastic 1-3
151819	Jumper (3" Black) 1-5	153468	Insulator, Left (1-20) 1-14	154551	Bracket, Latch 1-2
151827	Strap, Terminal 1-18	153470	Insulator, Right (21-40) 1-14	154754BR	Modification Kit 1-10
151955	Guide, Cable 1-15	153484	Screw (6-32 Spl) 1-5, 1-14	155023	Switch, Toggle (DP-DT) 1-32
151956	Guide, Cable 1-14	153487	Cable Assembly 1-15, 1-19	155045	Switch, Toggle (SP-DT) 1-6, 1-16
151982	Lamp, Incandescent (6 - 8V) 1-6, 1-15, 1-16, 1-18, 1-19, 1-25	153488BR	Cabinet 1-14	155083	Lens, Indicator Light 1-2, 1-14, 1-18
151983	Shield, Light 1-16, 1-18	153537	Screw (6-40 x 9/32 Hex) 1-9	155614	Cover 1-12, 1-17, 1-20
152426	Nut, Self-Locking (6-40 Hex) 1-32	153538	Screw (6-40 x 7/16 Hex) 1-18, 1-21, 1-29	155718	Jumper (3" Black) 1-24
152461	Bracket 1-26	153799	Screw (4-40 x 21/64 Hex) 1-8, 1-15	155723	Screw (4-48 x 1/2 Fil) 1-12, 1-17, 1-20
152462	Latch, Right 1-26	153841	Screw (6-40 x 9/16 Hex) 1-32	155750	Sleeve, Insulating (3/32 ID x 1/2" Lg) 1-12
152463	Latch, Left 1-26	154127	Nut (6-40 Hex) 1-26, 1-31	155751	Sleeve, Insulating (1/8 ID x 1" Lg) 1-12, 1-20
152464	Insulator (.062") 1-26	154251	Latch 1-19	155752	Sleeve, Insulating (5/64 ID x 1/2" Lg) 1-13, 1-17, 1-20
152465	Connector, Receptacle (20 Pt) 1-32	154256	Screw, Thumb (4-40) 1-19	155753	Sleeve, Insulating (1/8 ID x 1/2" Lg) 1-18
152466	Connector, Receptacle (20 Pt) 1-13, 1-17, 1-20, 1-32	154258	Shaft 1-18	155755	Sleeve, Insulating (11/64 ID x 5/8" Lg) 1-6, 1-13, 1-24, 1-31
152467	Connector, Plug (20 Pt) 1-26	154308	Pad 1-14	155766	Clamp, Cable 1-12, 1-17, 1-20
152538	Plate, Front 1-22	154335	Screw (6-40 x 9/32 Fil) 1-30	155859	Screw (4-40 x 1/8 Pan Hd) 1-12
152755	Strap, Terminal 1-5	154348	Plate, Instruction (On-Off) 1-3	155861	Washer, Lock 1-12
152767BR	Dome 1-14	154401	Stud 1-2	155862	Spring 1-14
152797BR	Plate, Retaining 1-3	154402	Spring, Torsion 1-2	155899	Nut (12-24 Spl) 1-14
152848	Screw (1/4-20 x 3/4 Rd) 1-9, 1-10	154404	Tray, Copyholder 1-6	156740	Screw (6-40 x 7/32 Hex) 1-29, 1-32
152882	Arm, Left Counterbalance 1-14	154406	Block, Terminal (10 Pt) 1-5	156770	Plate, Identification (Teletype) 1-7, 1-18
152883	Arm, Right Counterbalance 1-14	154407	Latch 1-2	156887	Screw (10-32 x 9/16 Hex) 1-31
152884	Screw (12-24 x 1 Hex) 1-14	154408	Bracket 1-6	156993	Nut, Speed 1-7, 1-18
152899BR	Holder 1-10	154409BR	Plate 1-3, 1-14, 1-25	157154	Insulator (41-80) 1-5
152910	Modification Kit 1-10	154410BR	Dome 1-3	157155	Cover 1-5
153017	Nut, Speed (12-24) 1-27, 1-32	154412	Stud 1-5	157278	Cable Assembly 1-16, 1-18
153020	Guide, Line 1-6, 1-15, 1-18	154413	Plate, Switch 1-6	157393	Grommet, Rubber 1-12, 1-17, 1-20
153021	Spring 1-6, 1-9, 1-15, 1-18	154416	Plate, Adjusting 1-7	157399	Connector, Receptacle (35 Pt) 1-12, 1-17, 1-20
153022	Bushing 1-6, 1-9, 1-15, 1-18	154418	Spring, Flat 1-4	157878	Screw (1/2-13 x 5/8 Hex) 1-10
153023	Handle 1-2, 1-6, 1-9, 1-15, 1-18	154421BR	Door, Left Front 1-3	157879	Bracket 1-10
153032	Bracket, Detent 1-14	154423	Window, Glass 1-3	157880	Bracket 1-10
153033	Arm, Detent 1-14	154424	Gasket 1-3	157881	Plate 1-10
153034	Shaft Assembly 1-14	154426BR	Door 1-3	157882BR	Cover 1-10
153035BR	Panel 1-14	154427	Clamp 1-3	157883BR	Cover 1-10
153036	Shaft 1-14	154431BR	Door, Right Front 1-3	157992	Bracket 1-12, 1-17, 1-20
		154433	Clamp 1-6, 1-19	157993	Bracket 1-12, 1-17, 1-20
		154436BR	Door, Right Top 1-3	157999	Bracket 1-16
		154437	Insulator (1-20) 1-5	158195	Rail, Left Base 1-4
		154438	Insulator (21-40) 1-5	158196	Rail, Right Base 1-4
		154439	Insulator (121-150) 1-5	158197	Angle, Base 1-4
		154440	Cable Assembly 1-6		
		154441	Plate, Nut 1-3		
		154442	Shaft 1-8		
		154443	Shaft 1-8, 1-15		
		154444	Fork 1-8, 1-15		
		154445	Knob 1-8		
		154446	Cover 1-5		
		154452	Cover 1-5		

NUMERICAL INDEX - SECTION 1 (Continued)

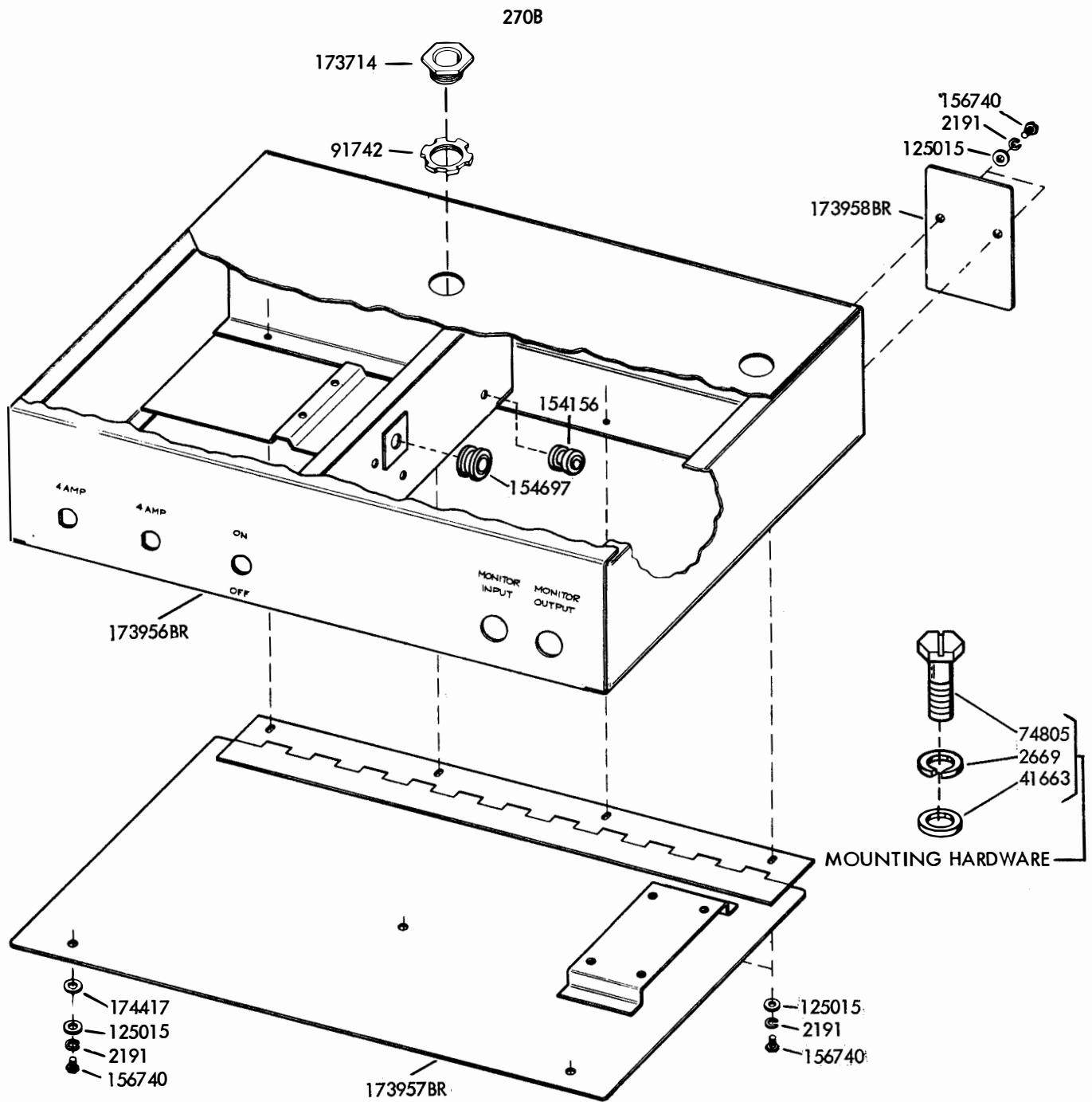
Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
158198	Angle, Base 1-4	162687	Screw (#6A x 1/2 Spl) 1-25	173878	Plate, Base 1-19
158200	Stud 1-4	162898	Panel, Control 1-3	173879	Cable Assembly 1-18
158201	Stud 1-4	162958	Switch, Mercry 1-24, 1-31	173920	Arm, Stop 1-2
158215	Plate, Nut 1-11	163170	Shaft, Control 1-8, 1-15	173974	Screw (10-32 x 5/16 Hex) 1-2, 1-26
158250	Block, Terminal 1-26, 1-31	163173	Bracket, Arm 1-8, 1-15	173996	Connector, Plug (3 Pt) 1-24
158252	Insulator (1-6) 1-26, 1-31	163636	Pad, Lower Left Side 1-18	174438	Screw (1/4-20 Spl) 1-19
158259	Connector, Receptacle (20 Pt) 1-12	163637	Pad, Upper Left Side 1-18	176167	Holder, Lamp 1-6
158260	Eccentric 1-4	163639	Pad, Rear Bottom 1-18	177010	Driver Assembly, Selector Magnet 1-32
158286	Transformer 1-6, 1-18, 1-32	163641	Pad, Front 1-18	178714	Switch, Rocker Type 1-24
158287	Container, Electrical 1-6	163642	Pad, Lid 1-18	178840	Capacitor (400 Mfd) 1-32
158649	Screw, Thumb (4-40) 1-2	163644	Bracket 1-19	178841	Transformer 1-32
158670BR	Panel, Right Lower 1-2	163646	Rail, Base Mounting 1-19	178843	Plate, Mounting 1-32
158672	Shaft 1-2	164024BR	Modification Kit 1-9	178859	Card, Circuit 1-32
158674	Shaft Assembly 1-2	164025BR	Bracket 1-9	178868	Resistor (700 Ohm) 1-32
158677	Insulator (151-180) 1-5	164028BR	Copyholder 1-9	178886	Cable W/Terminals 1-32
158678	Rail, Rear Base 1-4	164272	Modification Kit 1-11	178887	Cable W/Terminals 1-32
158679	Rail, Front Base 1-4	164273	Chute, Chad 1-11	178888	Clip 1-32
158682	Plate, Cable Clamp 1-3	164275	Chute, Chad 1-11	179130	Screw, Shoulder (10-32) 1-30
158688	Guide, Stop 1-3	164276BR	Container, Chad 1-11	179131	Screw (10-24 x 5/8 Hex) 1-25
158689	Guide 1-3	164277	Plate, Right Side 1-11	179164	Bracket 1-26
158695	Plate, Designation 1-8	164278	Chute, Chad 1-11	179256	Chute, Chad 1-11
158696	Knob 1-8, 1-15	164279	Chute, Chad 1-11	179290BR	Cover, Bottom 1-29
159274	Cable Assembly 1-16	164362	Modification Kit 1-15	179291BR	Cover, Middle & Top 1-29
159275	Transformer Assembly 1-16	164384	Cable Assembly 1-18	179293BR	Panel, Keyboard 1-28
159357	Modification Kit 1-16	164405BR	Modification Kit 1-11	179294	Bracket 1-28
159541	Connector, Plug (16 Pt) 1-12	164593	Plate, Left Side 1-11	179295	Window, Plastic 1-29
159734	Button 1-2	164617	Base, Paper Winder 1-31	179296	Clamp, Window 1-29
159735BR	Panel 1-2	164901	Pad, Rear Panel 1-25	179297	Bracket, Right 1-30
160291	Plate 1-7	164903	Pad, Rear Top 1-25	179298	Bracket, Left 1-30
160297	Insulator (181-220) 1-5	165103	Screw (12-24 x 5/8 Rd) 1-32	179299BR	Door W/ Hinge 1-25
160339	Window, Glass 1-6, 1-19	170306	Modification Kit 1-11	179300BR	Frame, Outer 1-25
160341BR	Hinge, Left 1-3	171541	Diode 1-32	179303	Post 1-28
160344	Clamp, Left 1-6	171952	Connector, Shielding 1-12, 1-17, 1-20	179304	Plate, Nut 1-28
160349BR	Hinge, Right 1-3	171953	Connector, Shielding 1-12, 1-13, 1-17, 1-20	179305BR	Panel, Cover 1-28
160369	Switch, Push (NO) 1-13	171972	Connector, Shielding 1-12, 1-17, 1-20	179306	Plate, Identification (On-Off) 1-28
160461	Bracket 1-5	171973	Connector, Shielding 1-12, 1-13, 1-17, 1-20	179307	Panel, Mounting 1-32
160467	Window, Plastic 1-3	172698BR	Brace, Rear Bottom 1-25	179311BR	Cover Assembly, Top & Middle 1-29
160664	Pin, Roll 1-2	172702BR	Panel, Rear 1-25	179312	Cover Assembly, Bottom 1-29
160665BR	Door Assembly, Left Top 1-3	172703BR	Panel, Top Rear 1-25	179367	Plate, Identification 1-28
160667	Bumper, Rubber 1-2	172715	Screw, Captive (10-24) 1-25	179370	Lamp, Indicating (Red) 1-28
160670	Bracket 1-2	172758	Pad, Outer Frame 1-25	179371	Lamp, Indicating (Green) 1-28
160887BR	Modification Kit 1-7	172763	Nut, Grip (10-24) 1-25	179372	Shield, Light 1-25
160974	Arm, Stop 1-2, 1-18	173168	Jumper (4-1/2" Black) 1-24	179376	Cable W/ Terminal 1-32
160985	Pad, Left Side 1-3	173455	Cable Assembly 1-12	179378	Retainer, Keylever 1-29
160986	Pad, Right Side 1-3	173456	Cable Assembly 1-12	179495	Screw (10-24 x 1/2 Hex) 1-25
160988	Pad, Base 1-8	173457	Cable Assembly 1-12	179815BR	Cover 1-25
160989	Pad, Left Side Dome 1-3	173458	Cable Assembly 1-13	192007	Terminal, Tab Type 1-24
160990	Pad, Right Side Dome 1-3	173777	Cable Assembly 1-13	192773	Cover, Relay Panel 1-27
160991	Pad, Right Top Door 1-3	173778	Panel Assembly, Control 1-13	193577	Clamp 1-29
160993	Pad, Left Rear Back 1-3	173780	Cable W/Terminals 1-20	193945BR	Bracket 1-24
160994	Pad, Top Door Middle 1-3	173781	Cable W/Terminals 1-13	193949	Post 1-24
160995	Pad, Top Left 1-3	173784	Cable W/Terminals 1-17	193950	Rack Assembly Display 1-24
161705	Strike, Fastener 1-25	173785	Cable Assembly 1-17	193951	Guide, Paper 1-24
161747	Plate, Nut 1-25	173792	Cable Assembly 1-17	193952	Bail, Slack 1-24, 1-31
161748	Screw (5/16-18 x 5/8 Flat) 1-25	173851	Cable Assembly 1-20	193953BR	Housing, Motor 1-24
161750	Bracket 1-5	173852	Cable Assembly 1-20	193955	Bearing 1-24
161755	Pad, Right Front 1-3	173861BR	Cart 1-15	193957	Spring, Roller 1-24
161998	Plate, Name (Teletype) 1-25	173872BR	Cover Assembly 1-18, 1-19	193958	Motor (115V AC) 1-24
162016	Pad, Left Cross Bar 1-7	173873	Pad, Lower Right Side 1-18	193960	Pilot 1-24, 1-31
162017	Pad, Felt 1-7	173874	Pad, Upper Right Side 1-18	193963	Clip, Spring 1-24
162019	Pad, Felt 1-7	173875	Pad, Upper Rear 1-18	193964	Flange, Right 1-24, 1-31
162333	Stud, Locating 1-26	173876	Bracket, Connector 1-18	193965	Flange, Left 1-24, 1-31
162590	Shaft 1-15	173877	Cable Assembly 1-18	194863	Bracket 1-24
162591	Shaft 1-6				
162627	Nut, Speed (#6) 1-25				
162629	Modification Kit 1-8, 1-15				

NUMERICAL INDEX - SECTION 1 (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
195258	Cable Assembly 1-24	195934	Clip, Spring 1-31	304224	Cable Assembly 1-32
195659	Jumper (3" Black) 1-24	195935	Cable Assembly 1-31	304226	Cable 1-26
195921	Modification Kit 1-31	195936	Insulator 1-31	304227	Jumper (5-1/2" Green) 1-26
195922	Modification Kit 1-31	197446	Plate, Identification 1-18	305678	Post 1-31
195930	Bracket 1-31	198062	Motor (115V AC 50 & 60 Cycle) 1-31	305679	Bearing 1-31
195932	Bracket 1-31	304195	Base Assembly 1-26	306019	Bumper, Rubber 1-15
195933	Bracket 1-31			310342	Cable W/Terminals 1-31

SECTION 2

ELECTRICAL SERVICE ASSEMBLY



ALSO SEE FIGS. 2-4 AND 2-6

FIGURE 2-1. 173816BR AND 173395BR ELECTRICAL SERVICE ASSEMBLIES
(RACK MOUNTED)

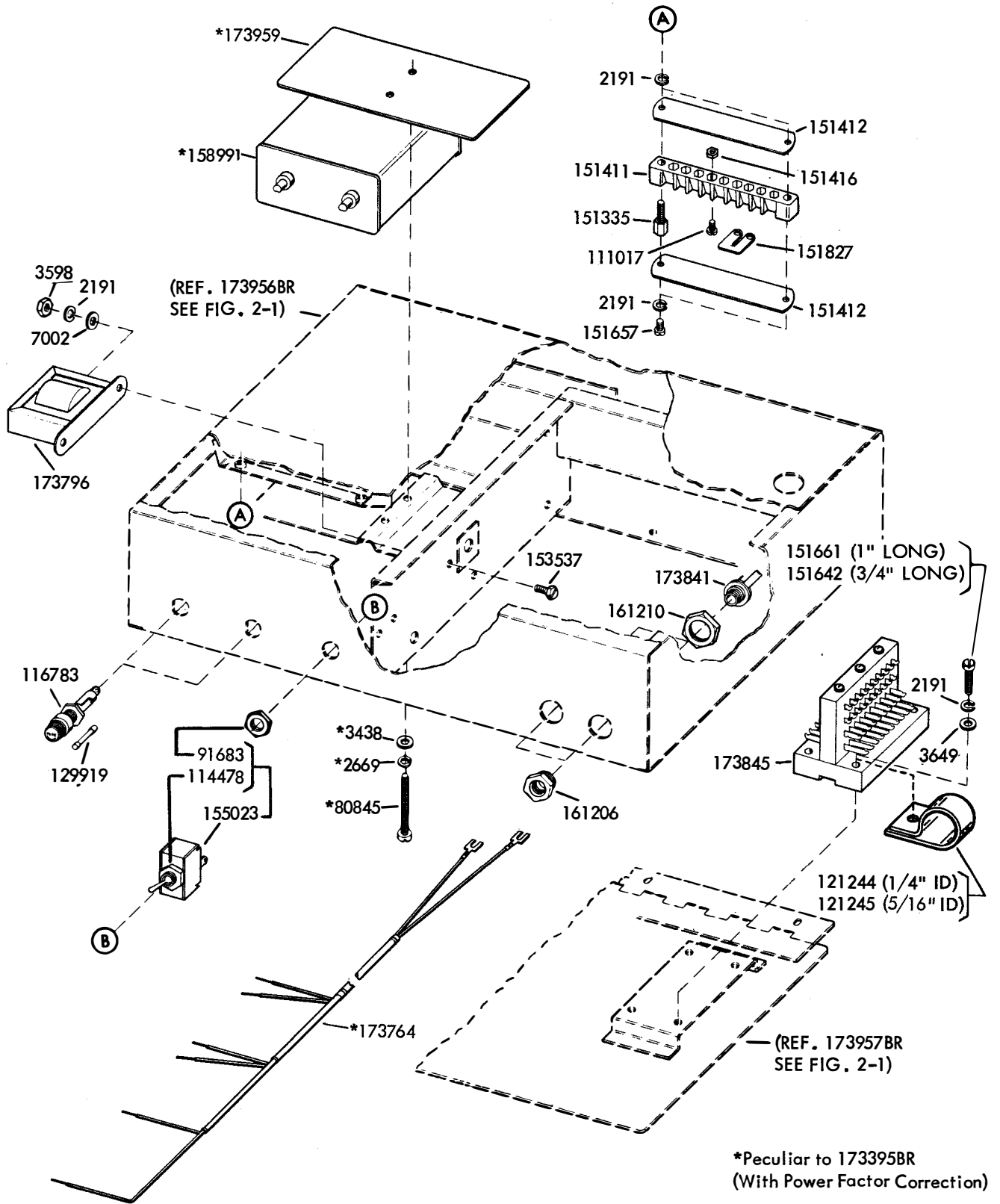
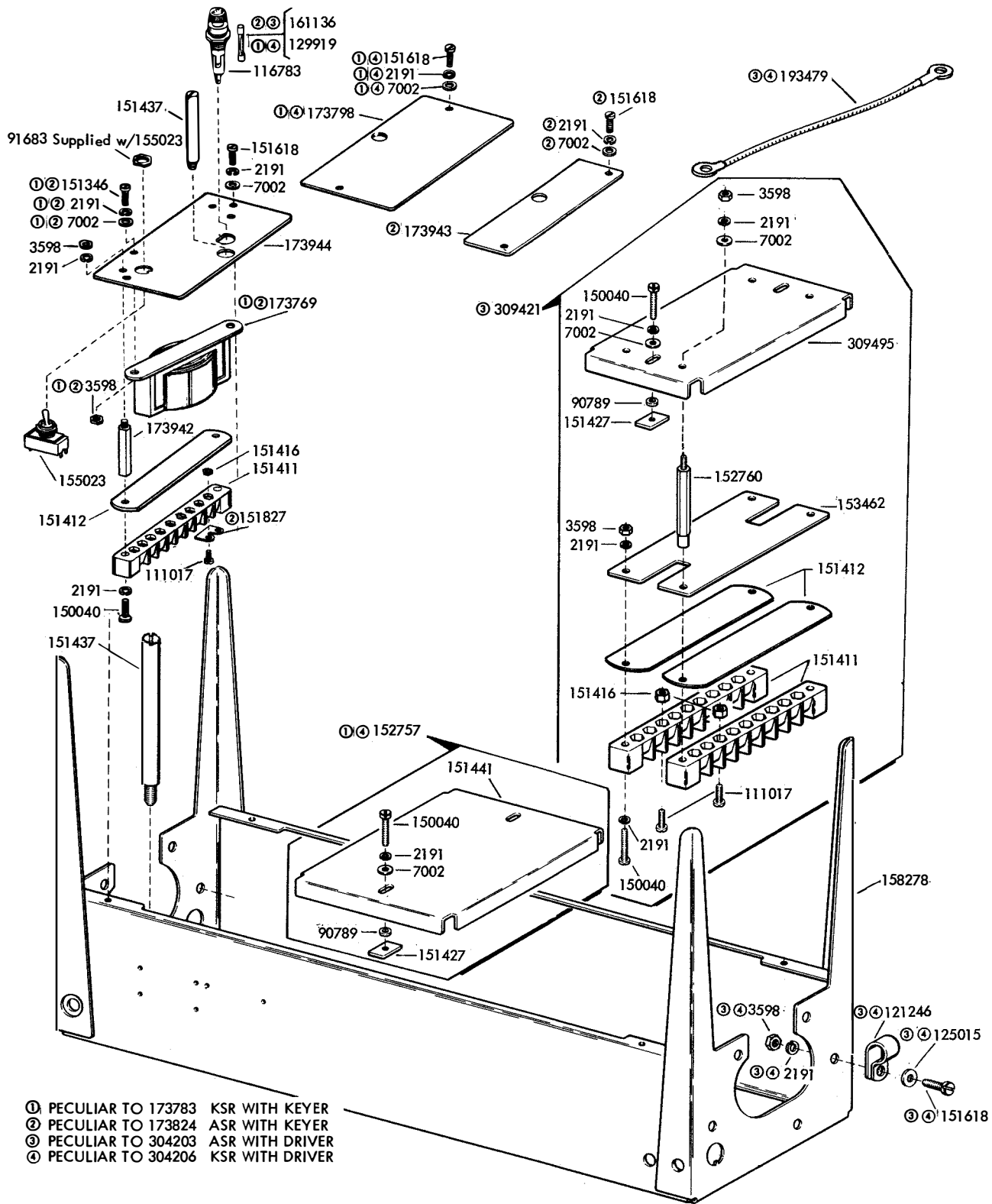
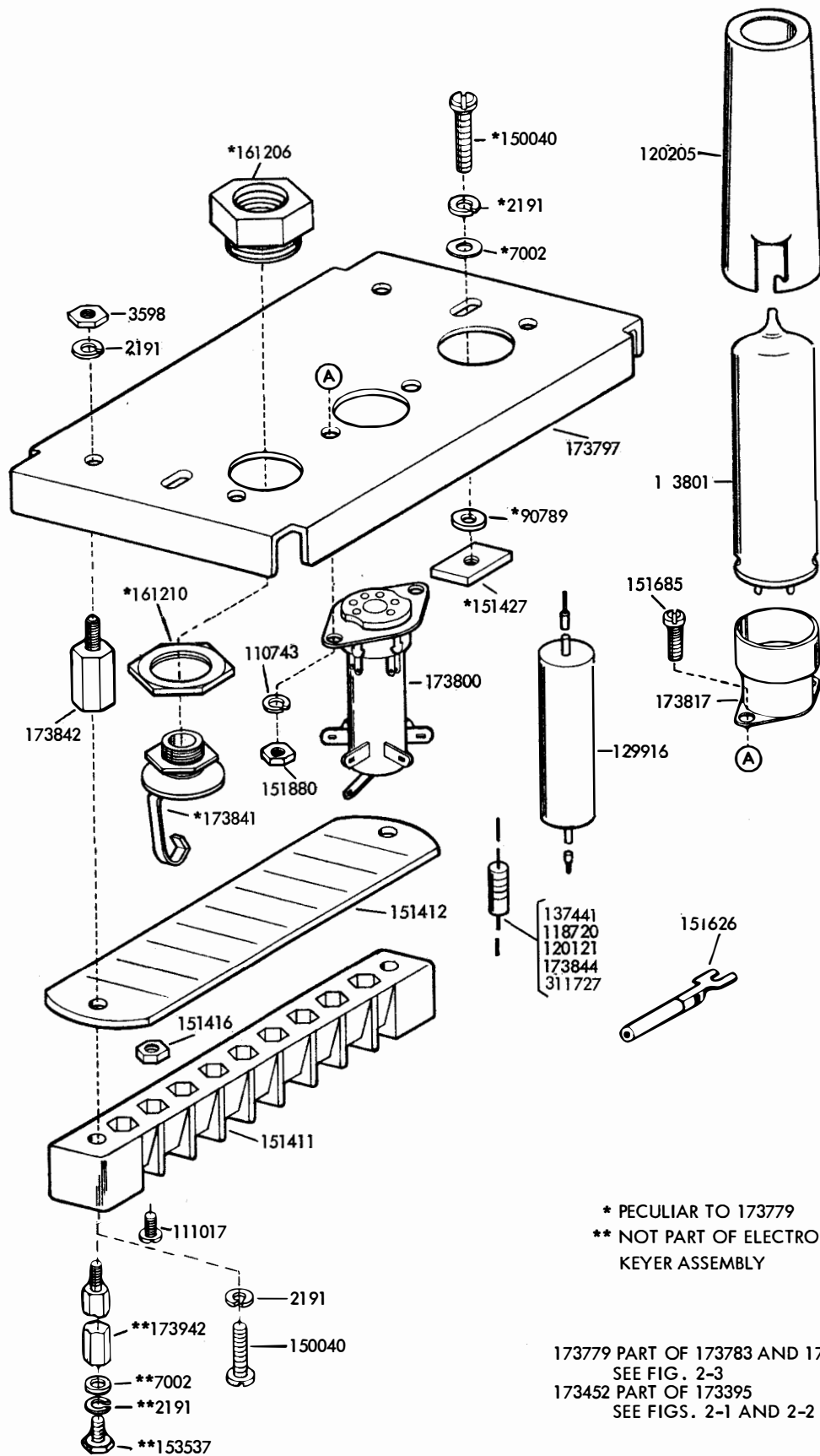


FIGURE 2-2. 173816BR AND 173395BR ELECTRICAL SERVICE ASSEMBLIES (Continued)
(RACK MOUNTED)

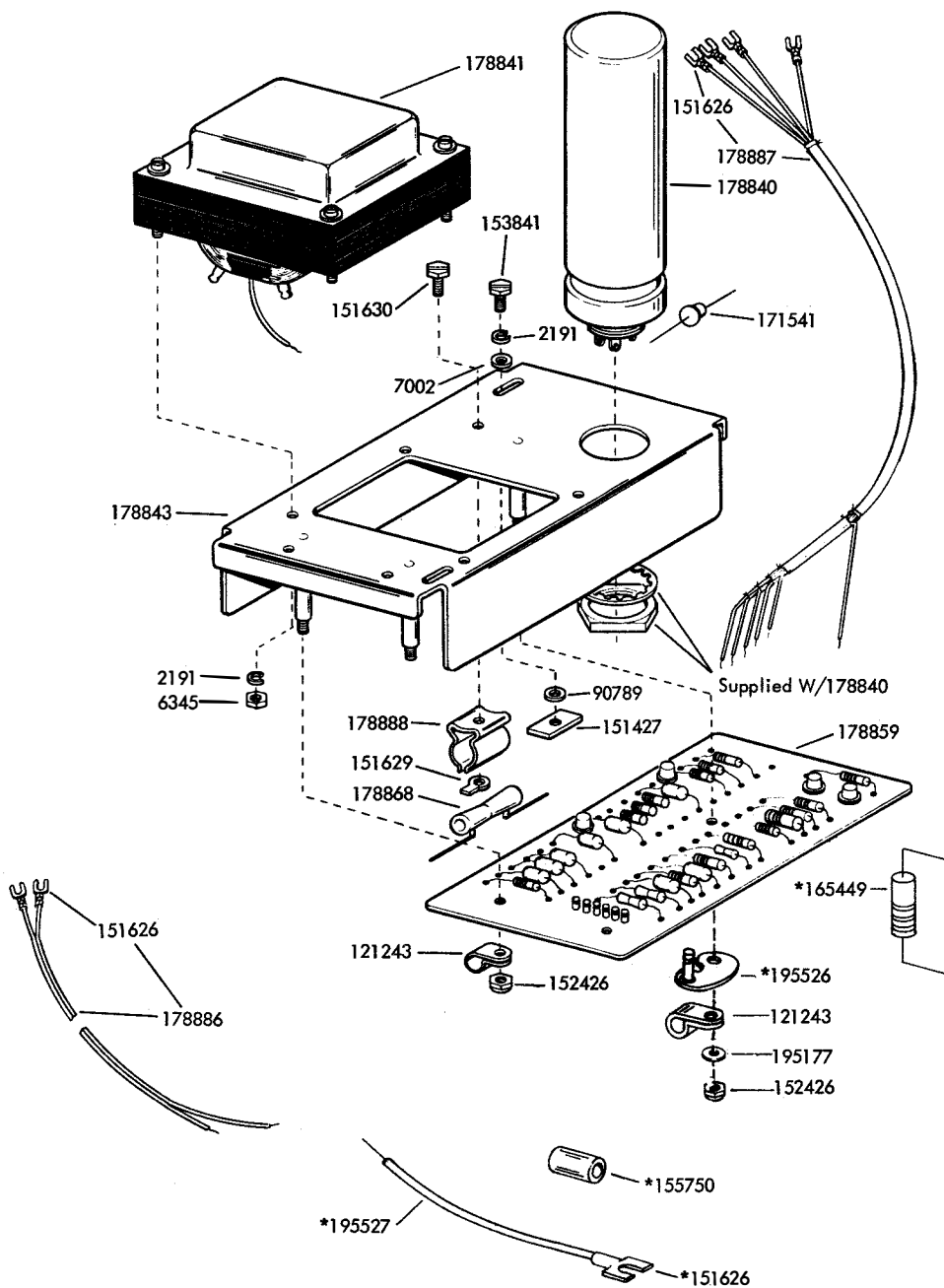




* PECULIAR TO 173779
 ** NOT PART OF ELECTRONIC
 KEYSER ASSEMBLY

173779 PART OF 173783 AND 173824
 SEE FIG. 2-3
 173452 PART OF 173395
 SEE FIGS. 2-1 AND 2-2

FIGURE 2-4. 173452 AND 173779 ELECTRONIC KEYSER ASSEMBLIES



* 195528 MODIFICATION KIT. PART OF 309494.
 309494 PART OF 304203 AND 304206 SEE FIG. 2-3

FIGURE 2-5. 177010 AND 309494 (WITH BLINDING RESISTOR) SELECTOR
 MAGNET DRIVER ASSEMBLIES

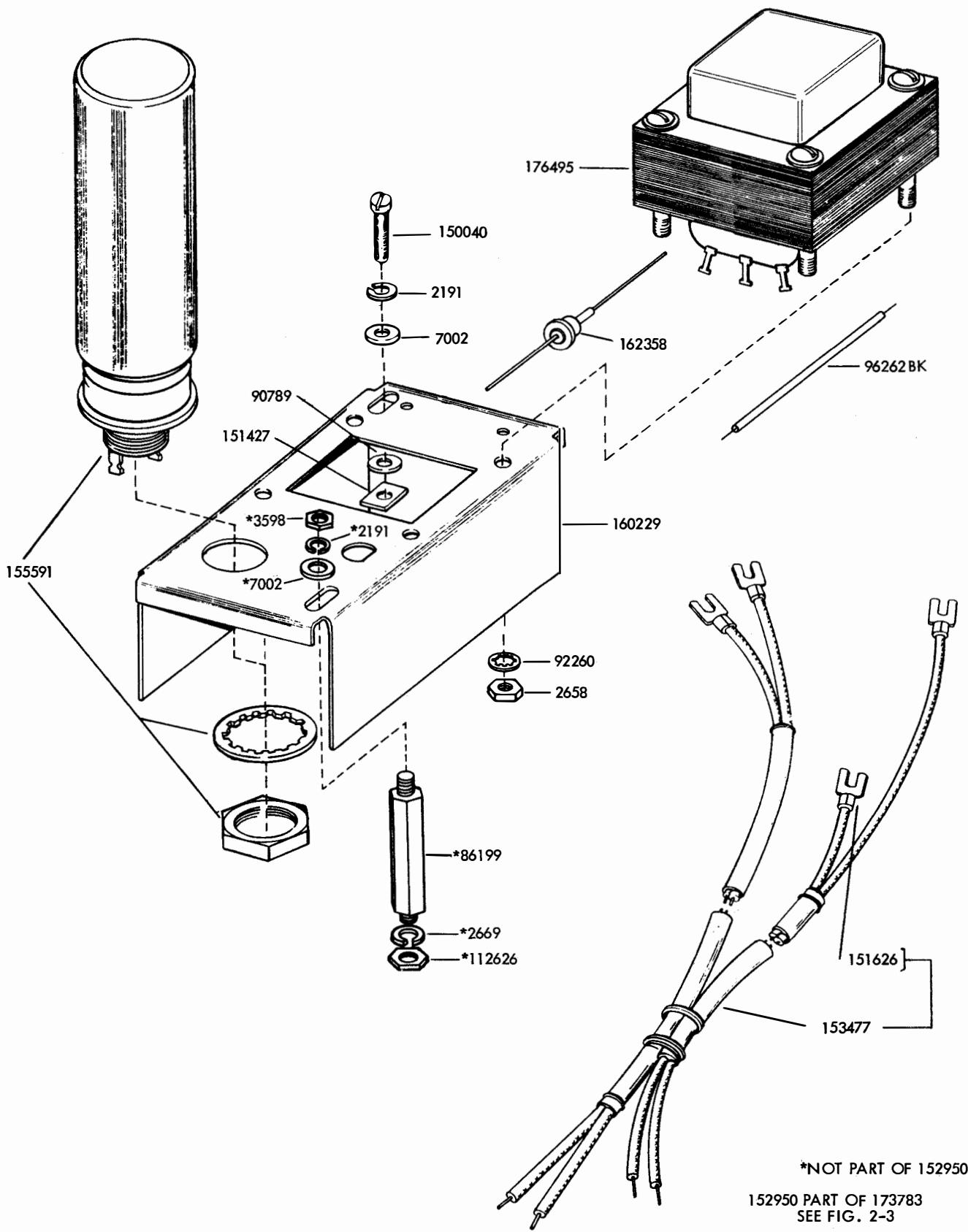
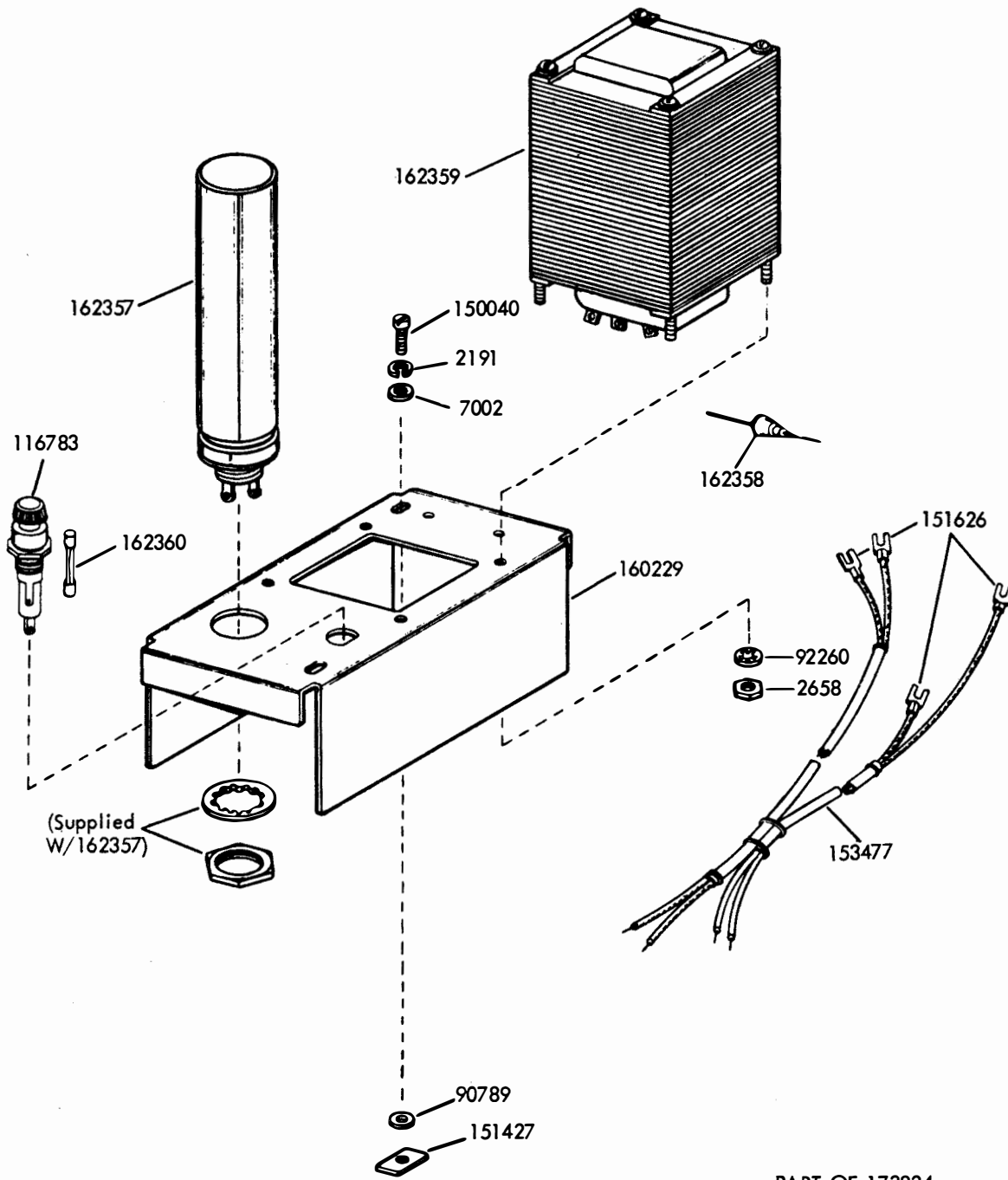


FIGURE 2-6. 152950 RECTIFIER ASSEMBLY (150 MA)



PART OF 173824
SEE FIG. 2-3

FIGURE 2-7. 162361 RECTIFIER ASSEMBLY (500 MA)

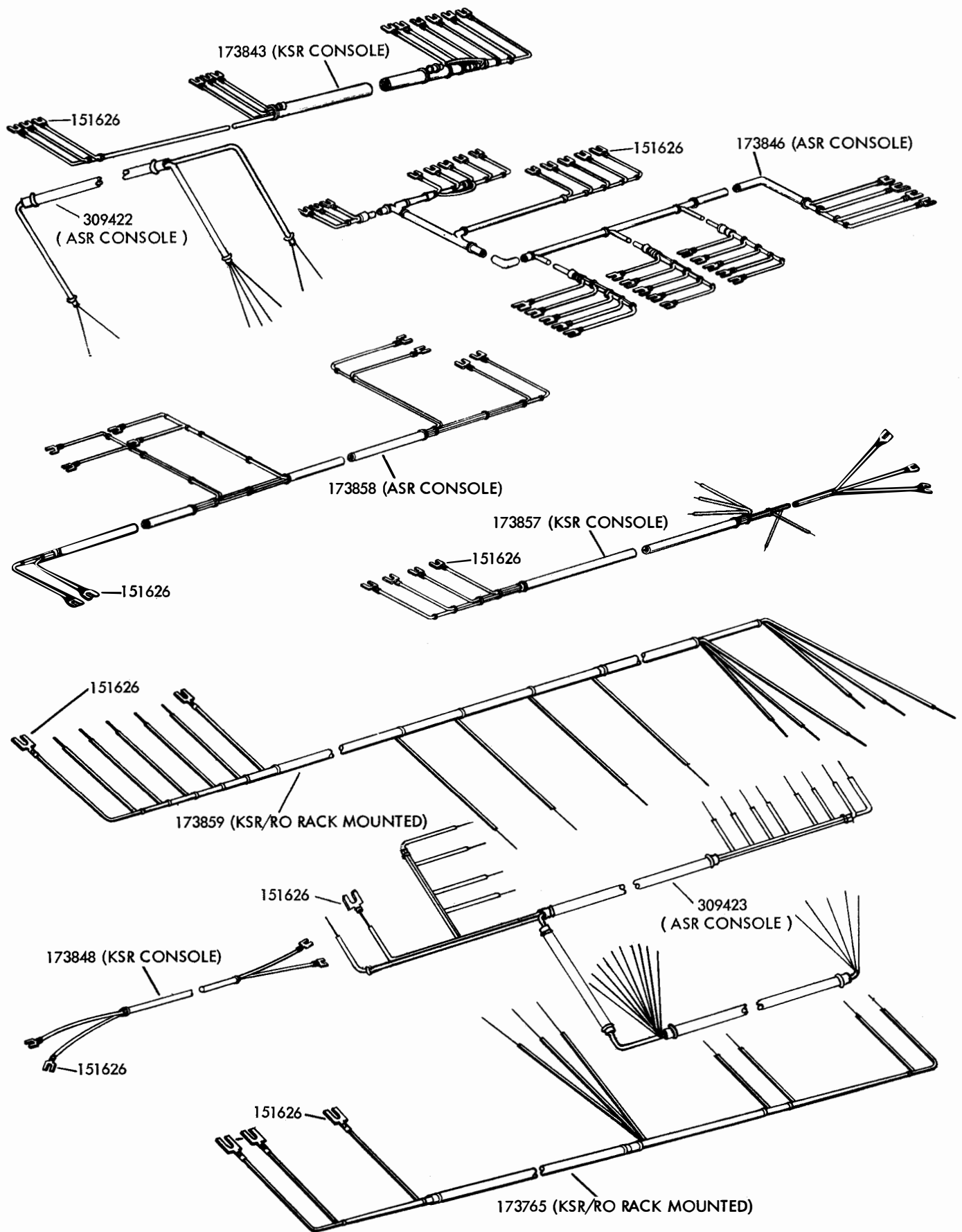
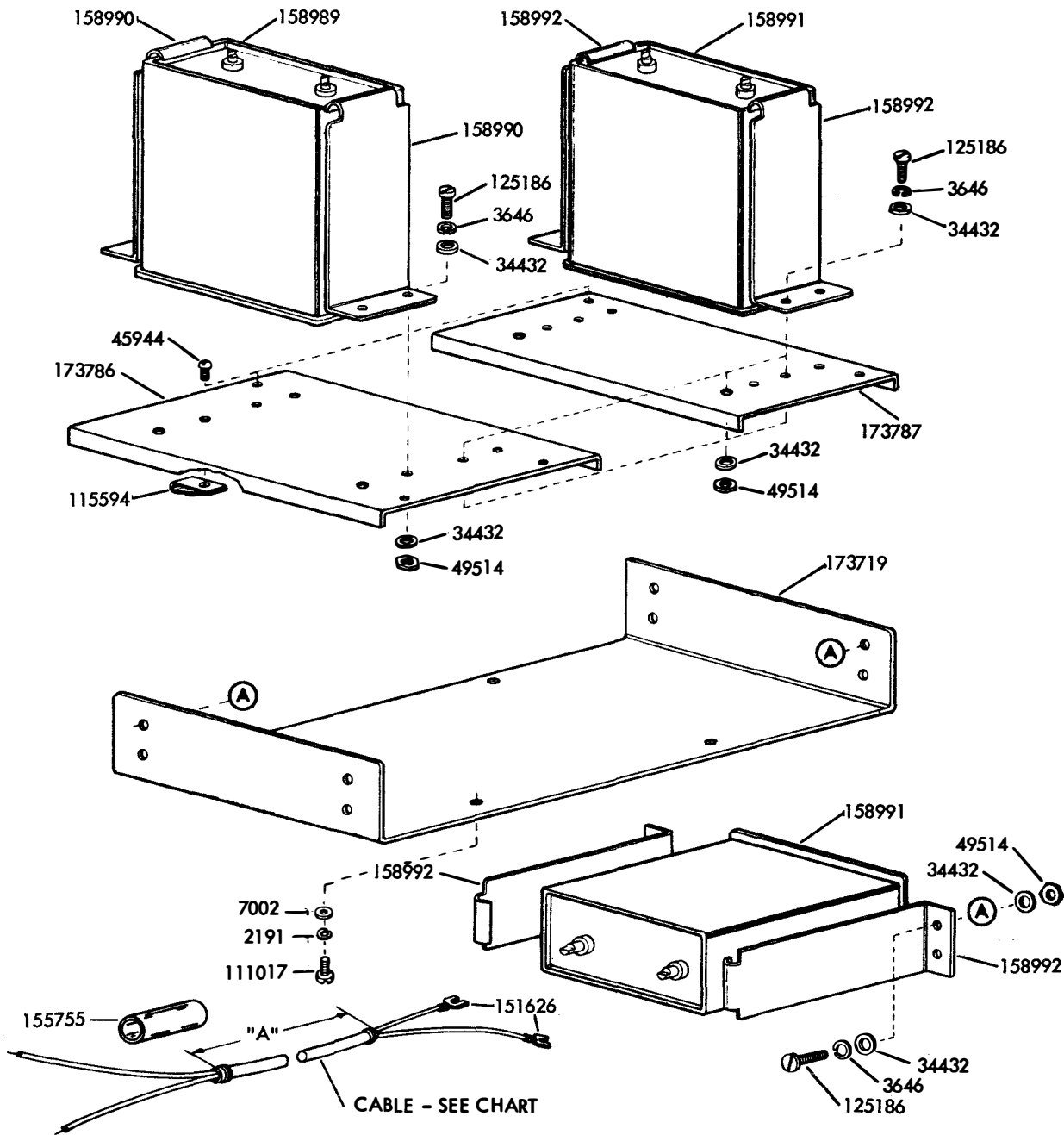


FIGURE 2-8. ELECTRICAL SERVICE ASSEMBLY CABLES



MODIFICATION KIT	CAPACITOR	MOUNTING BRACKET	BRACKET	CABLE	DIM "A"
*173705 (KSR - LMU3)	158991	158992	173719	173710	28"
*173706 (ASR - LMU12)	158991 158989	158992 158990	173786	173709	28-1/2"
*173707 (ASR - AUX. REPERF-LMU3)	158991	158992	173787	173708	34-1/2"

*Includes mounting hardware shown on illustration

FIGURE 2-9. MODIFICATION KITS TO ADD POWER FACTOR CORRECTION

NUMERICAL INDEX - SECTION 2

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description Page Number
2191	Washer, Lock 2-2 to 2-8, 2-10	151661	Screw (6-40 x 1 Fil) 2-3	173796	Transformer 2-3, 2-4
2658	Nut (6-32 Hex) 2-7, 2-8	151685	Screw (4-40 x 5/16 Fil) 2-5	173797	Plate 2-5
2669	Washer, Lock 2-2, 2-3, 2-7	151827	Strap, Terminal 2-3, 2-4	173798	Plate, Mounting 2-4
3438	Washer, Flat 2-3	151880	Nut (4-40 Hex) 2-5	173800	Turret, Socket 2-5
3598	Nut (6-40 Hex) 2-3 to 2-7	152426	Nut, Self-Locking (6-40 Hex) 2-6	173801	Tube, Vacuum 2-5
3646	Washer, Lock 2-10	152757	Plate Assembly, Blank 2-4	173816BR	Service Assembly, Electrical 2-2, 2-3
3649	Washer, Flat 2-3	152760	Stud 2-4	173817	Base, Tube Shield 2-5
6345	Nut (6-32 Hex) 2-6	152950	Rectifier Assembly 2-7	173824	Service Assembly, Electrical 2-4, 2-5, 2-8
7002	Washer, Flat 2-3 to 2-8, 2-10	153462	Plate 2-4	173841	Jack 2-3, 2-5
34432	Washer, Flat 2-10	153477	Cable W/Terminals 2-7, 2-8	173842	Stud 2-5
41663	Washer, Flat 2-2	153537	Screw (6-40 x 9/32 Hex) 2-3, 2-5	173843	Cable W/Terminals 2-9
45944	Screw (8-32 x 5/8 Rd) 2-10	153841	Screw (6-40 x 9/16 Hex) 2-6	173844	Resistor (200,000 Ohm) 2-5
49514	Nut (8-32 Hex) 2-10	154156	Grommet, Rubber 2-2	173845	Board, Terminal 2-3
74805	Screw (10-32 x 3/4 Hex) 2-2	154697	Grommet, Rubber 2-2	173846	Cable W/Terminals 2-9
80845	Screw (10-32 x 1-7/8 Fil) 2-3	155023	Switch, Toggle (DP-DT) 2-3, 2-4	173848	Cable W/Terminals 2-9
86199	Stud 2-7	155591	Capacitor (220 MFD) 2-7	173857	Cable W/Terminals 2-9
90789	Washer, Flat 2-4, 2-5, 2-6, 2-7, 2-8	155750	Sleeve, Insulating (3/32" ID x 1/2" Lg) 2-6	173858	Cable W/Terminals 2-9
91683	Nut (15/32-32 Hex) 2-3, 2-4	155755	Sleeve, Insulating (11/64 ID x 5/8" Lg) 2-10	173859	Cable W/Terminals 2-9
91742	Nut, Lock 2-2	156740	Screw (6-40 x 7/32 Hex) 2-2	173942	Stud 2-4, 2-5
92260	Washer, Lock 2-7, 2-8	158278	Container, Electrical 2-4	173943	Plate, Left 2-4
96262BK	Jumper (4" Black) 2-7	158989	Capacitor (20 MFD) 2-10	173944	Plate, Mounting 2-4
110743	Washer, Lock 2-5	158990	Bracket, Mounting 2-10	173956BR	Container 2-2
111017	Screw (6-40 x 5/16 Fil) 2-3 to 2-5, 2-10	158991	Capacitor (15 MFD) 2-3, 2-10	173957BR	Cover, Container 2-2
112626	Nut (10-32 Hex) 2-7	158992	Bracket, Mounting 2-10	173958BR	Plate 2-2
114478	Nut (15/32-32 Hex) 2-3, 2-4	160229	Plate, Mounting 2-7, 2-8	173959	Plate, Clamp 2-3
115594	Nut, Speed (8-32) 2-10	161136	Fuse (6-1/4 Amp SL-BL) 2-4	174417	Washer, Flat 2-2
116783	Holder, Fuse 2-3, 2-4, 2-8	161206	Bushing, Insulating 2-3, 2-5	176495	Transformer, Power 2-7
118720	Resistor (100,000 Ohm) 2-5	161210	Nut (11/16-32 Hex) 2-3, 2-5	177010	Driver Assembly, Selector Magnet 2-6
120121	Resistor (62,000 Ohm) 2-5	162357	Capacitor (500 MFD) 2-8	178840	Capacitor (400 MFD) 2-6
120205	Shield, Tube 2-5	162358	Diode 2-7, 2-8	178841	Transformer 2-6
121243	Clamp, Cable (3/16" ID) 2-6	162359	Transformer, Power 2-8	178843	Plate, Mounting 2-6
121244	Clamp, Cable (1/4" ID) 2-3	162360	Fuse (.8 Amp) 2-8	178859	Card, Circuit 2-6
121245	Clamp, Cable (5/16" ID) 2-3	162361	Rectifier Assembly 2-8	178868	Resistor (700 Ohm) 2-6
121246	Clamp, Cable (3/8" ID) 2-4	165449	Resistor (470 Ohm) 2-6	178886	Cable W/Terminals 2-6
125015	Washer, Flat 2-2, 2-4	171541	Diode 2-6	178887	Cable W/Terminals 2-6
125186	Screw (8-32 x 3/4 Fil) 2-10	173395BR	Service Assembly, Electrical 2-2, 2-3, 2-5	178888	Clip 2-6
129916	Capacitor (.1 MFD) 2-5	173452	Keyer Assembly 2-5	193479	Jumper (12" Black) 2-4
129919	Fuse (4 Amp) 2-3, 2-4	173705	Modification Kit 2-10	195177	Washer, Flat 2-6
137441	Resistor (1200 OHM) 2-5	173706	Modification Kit 2-10	195526	Board W/Terminal 2-6
150040	Screw (6-40 x 5/8 Fil) 2-4 to 2-8	173707	Modification Kit 2-10	195527	Jumper (12" Slate) 2-6
151335	Stud 2-3	173708	Cable W/Terminals 2-10	195528	Modification Kit to Add Blinding Resistor to Selector Magnet Driver 2-6
151346	Screw (6-40 x 3/8 Fil) 2-4	173709	Cable W/Terminals 2-10	304203	Service Assembly, Electrical 2-4, 2-6
151411	Block, Terminal 2-3 to 2-5	173710	Cable W/Terminals 2-10	304206	Service Assembly, Electrical 2-4, 2-6
151412	Insulator (1-9) 2-3 to 2-5	173714	Bushing 2-2	309421	Plate Assembly 2-4
151416	Nut (6-40 Hex) 2-3 to 2-5	173719	Bracket, Mounting 2-10	309422	Cable 2-9
151427	Plate, Clamp 2-4, 2-5, 2-6, 2-7, 2-8	173764	Cable W/Terminals 2-3	309423	Cable 2-9
151437	Stud 2-4	173765	Cable W/Terminals 2-9	309494	Driver Assembly, Selector Magnet 2-6
151441	Plate, Blank 2-4	173779	Keyer Assembly 2-5	309495	Plate 2-4
151618	Screw (6-40 x 7/16 Fil) 2-4	173783	Service Assembly, Electrical 2-4, 2-5, 2-7	311727	Resistor (750 OHM) 2-5
151626	Terminal 2-5 to 2-10	173786	Plate, Mounting 2-10		
151629	Nut (6-40 Lug) 2-6	173787	Plate, Mounting 2-10		
151630	Screw (6-40 x 1/4 Hex) 2-6				
151642	Screw (6-40 x 3/4 Fil) 2-3				
151657	Screw (6-40 x 1/4 Fil) 2-3				



SECTION 3
KEYBOARD AND BASE

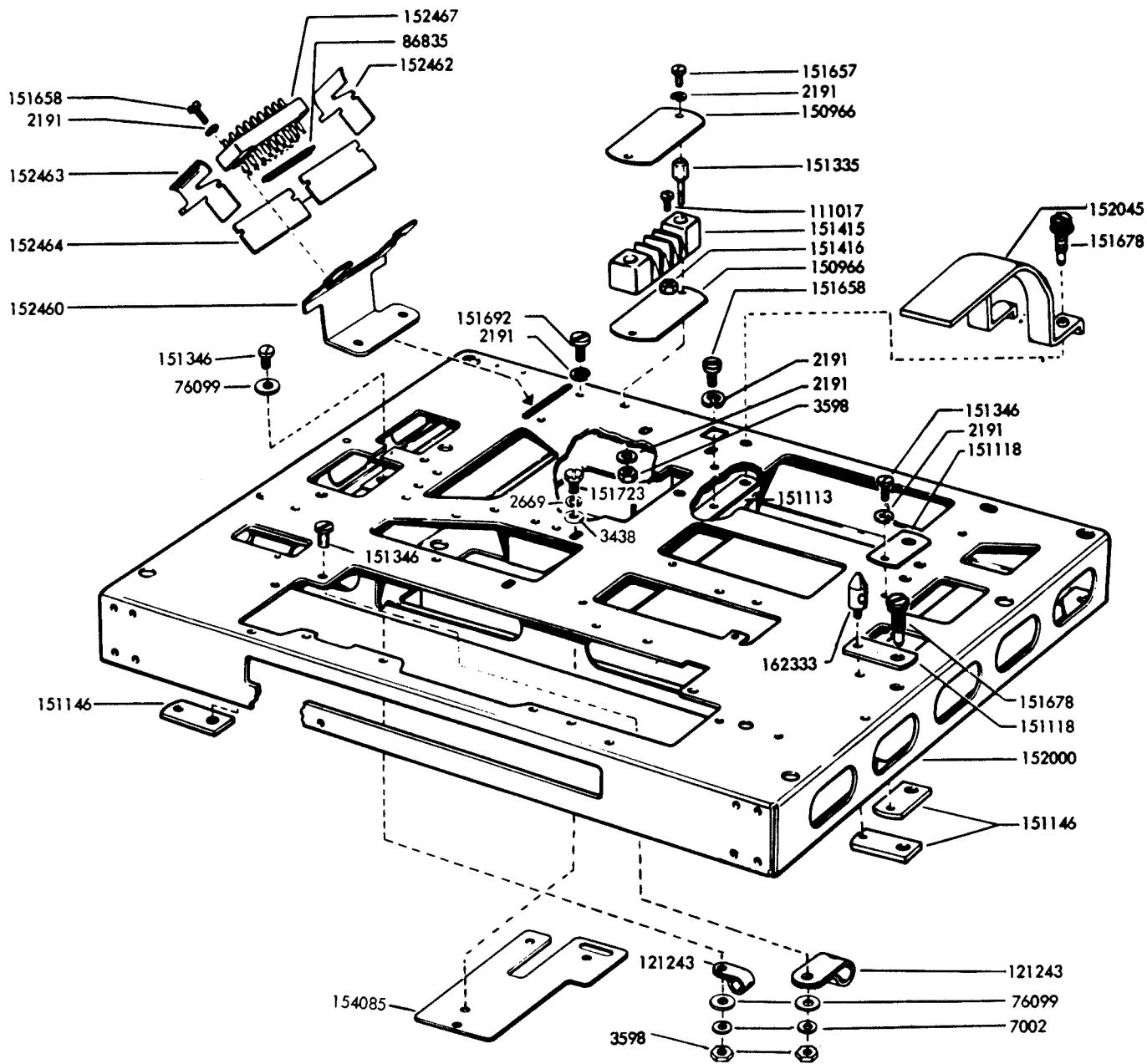


FIGURE 3-3. BASE

2708

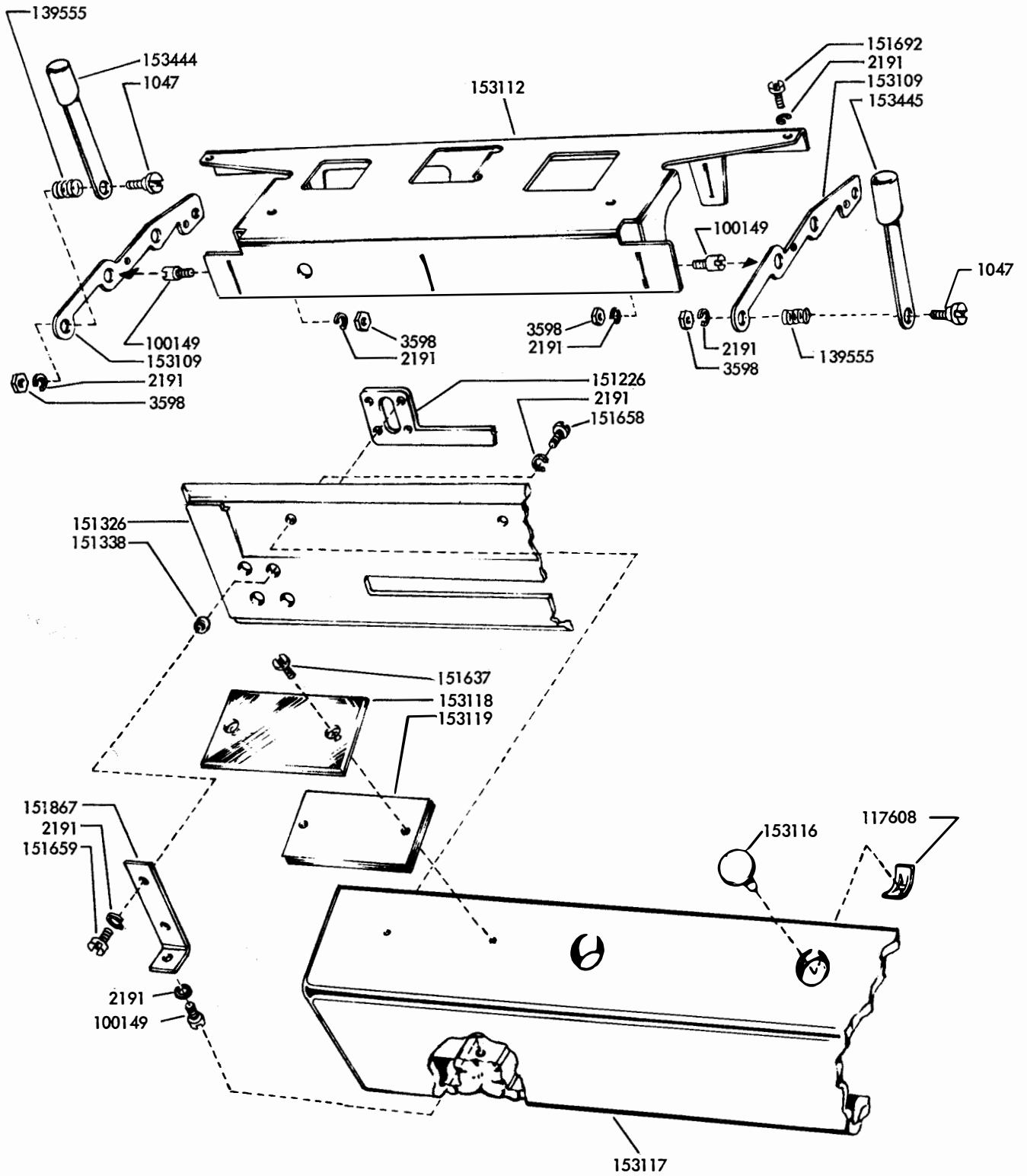


FIGURE 3-4. BASE MECHANISM

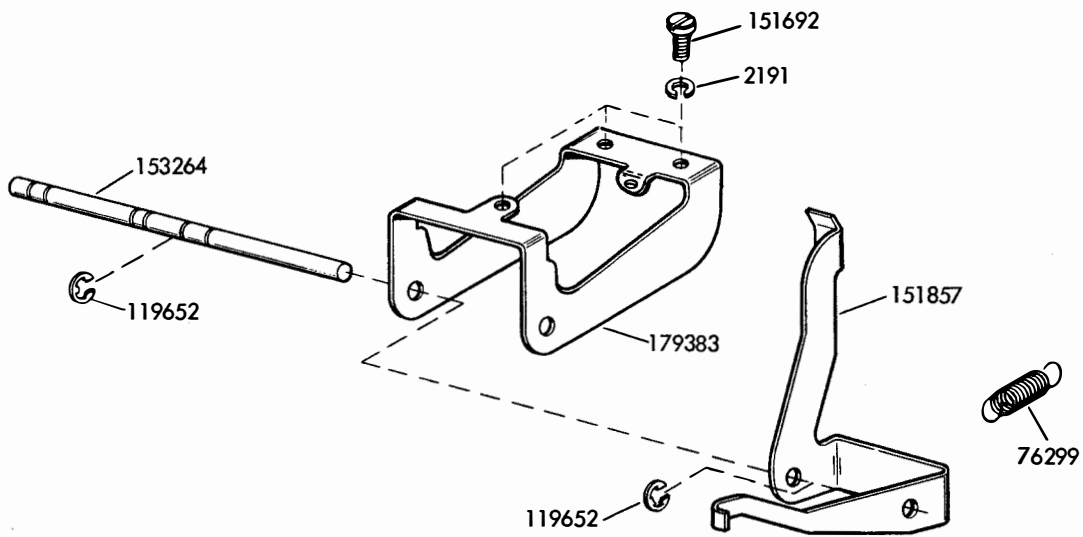


FIGURE 3-5. CARRIAGE RETURN MECHANISM

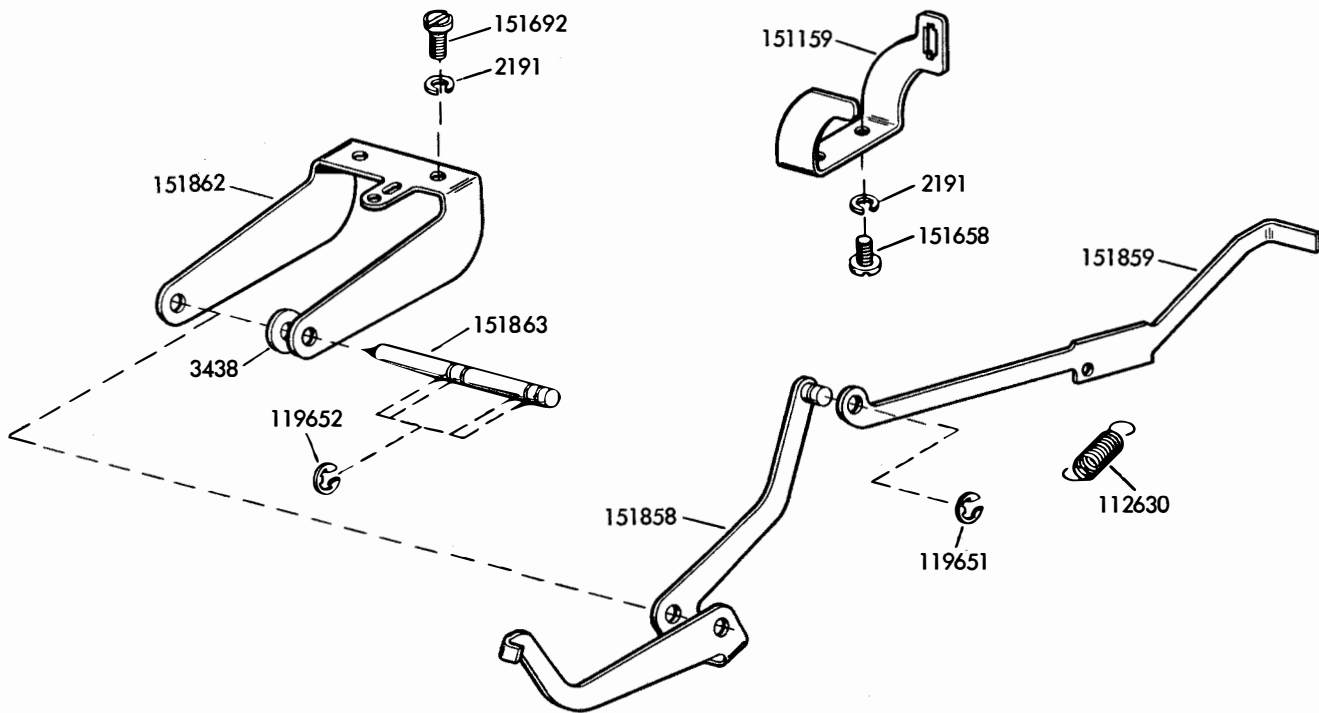


FIGURE 3-6. LOCAL LINE FEED MECHANISM

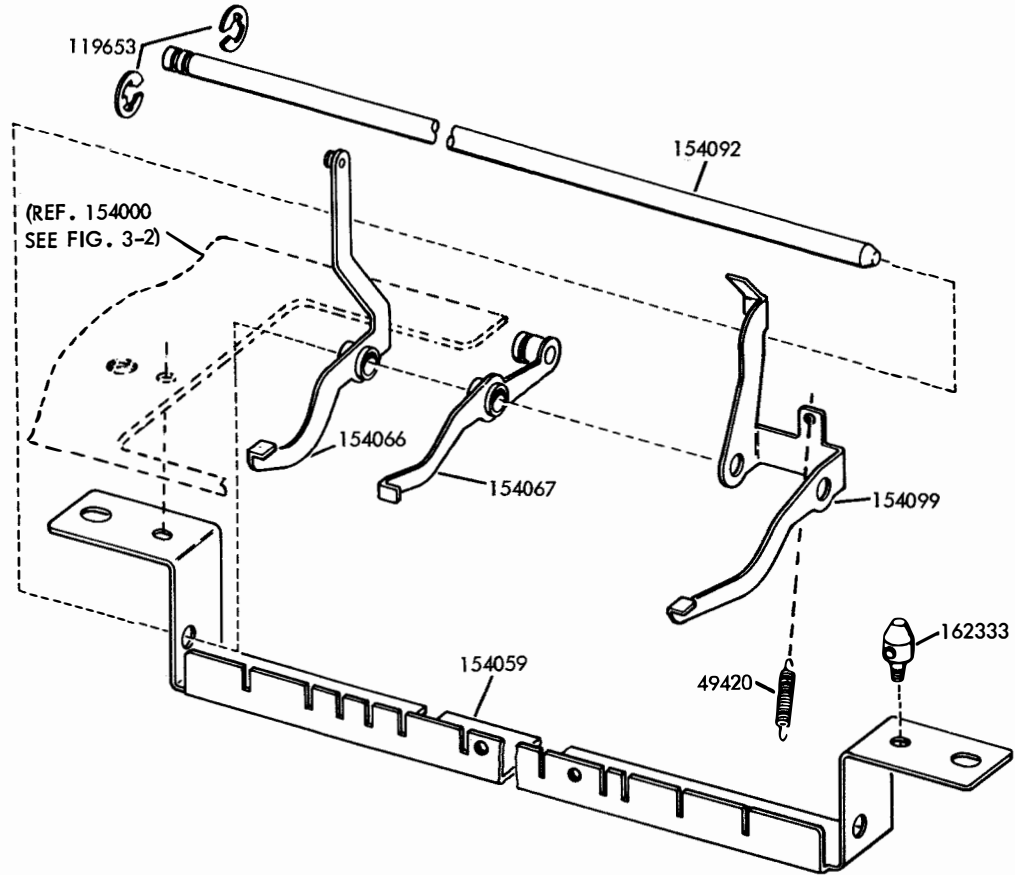


FIGURE 3-7. FUNCTION BAIL MECHANISM

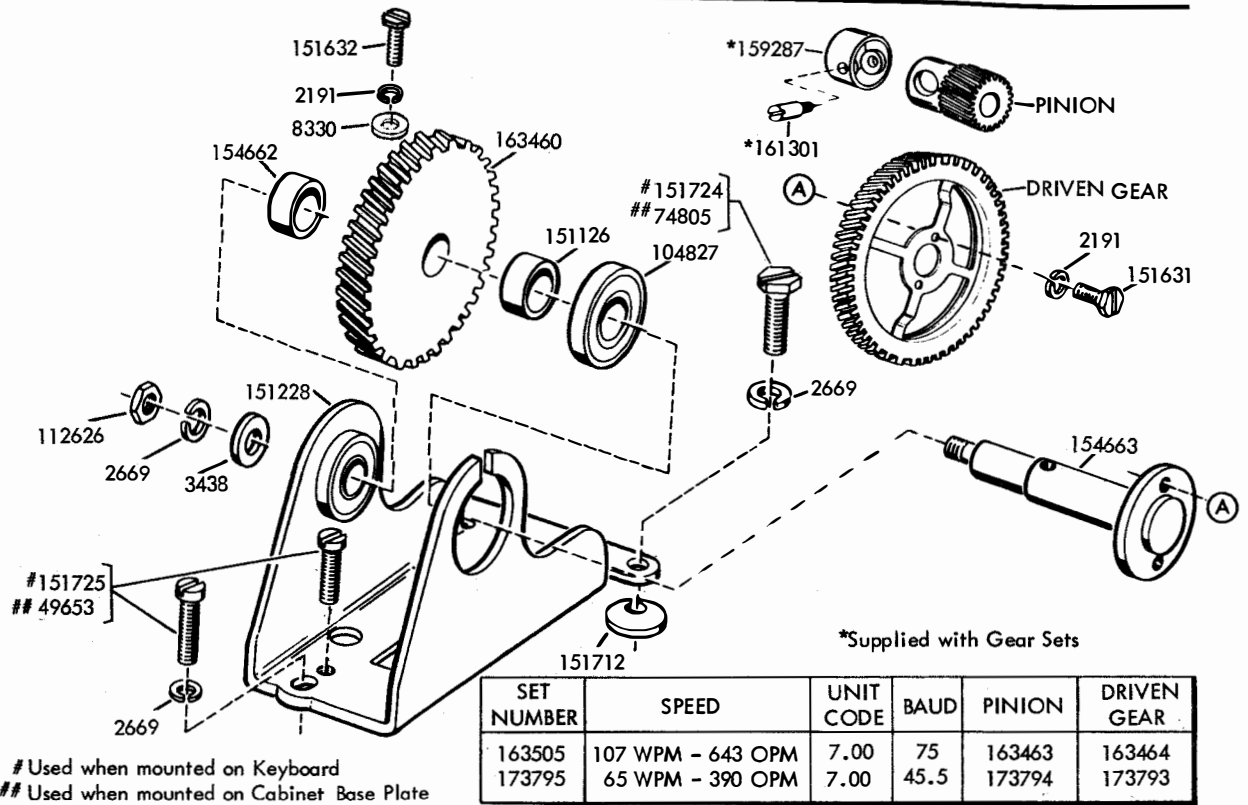


FIGURE 3-8. INTERMEDIATE GEAR MECHANISM

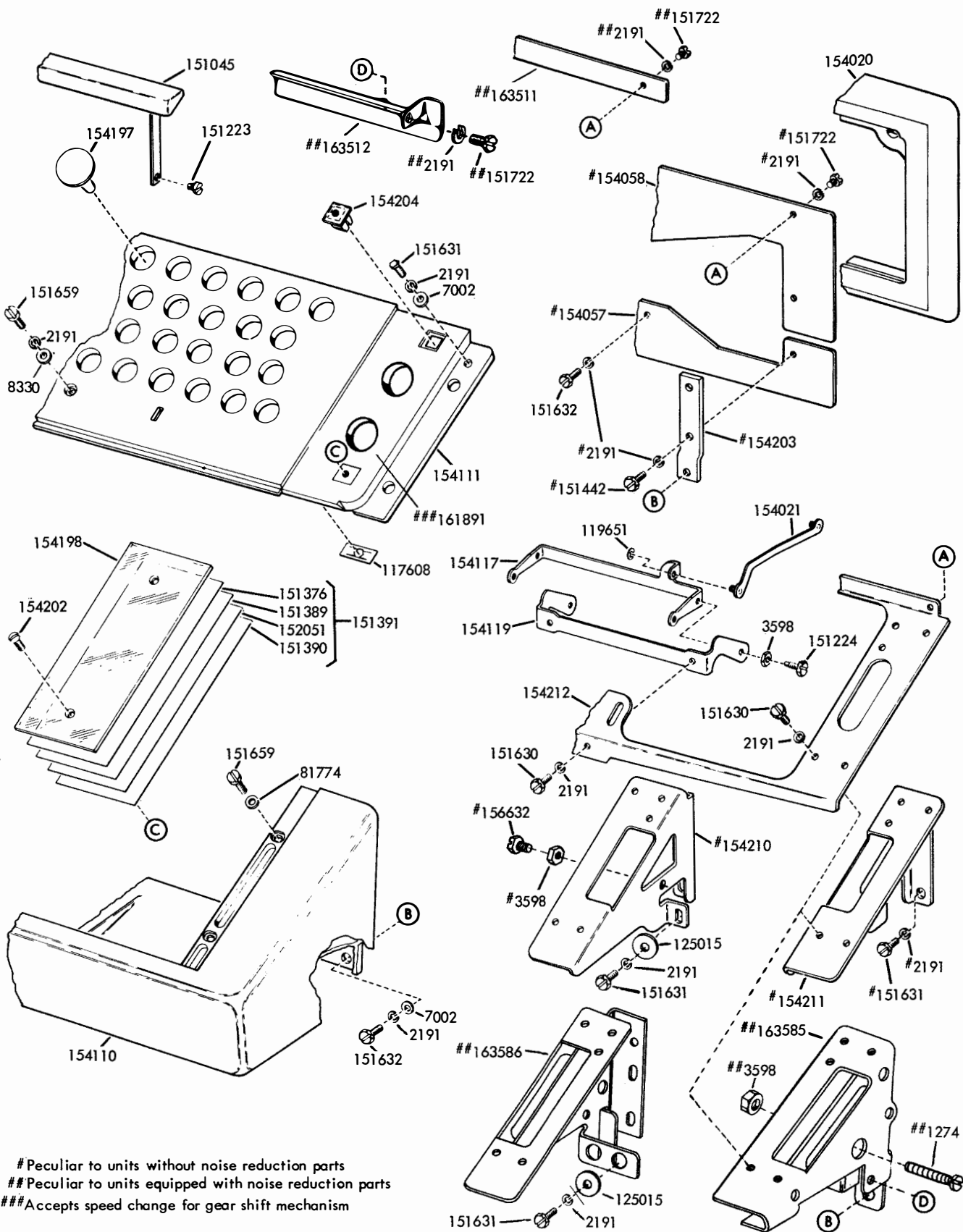


FIGURE 3-9. KEYBOARD MECHANISM

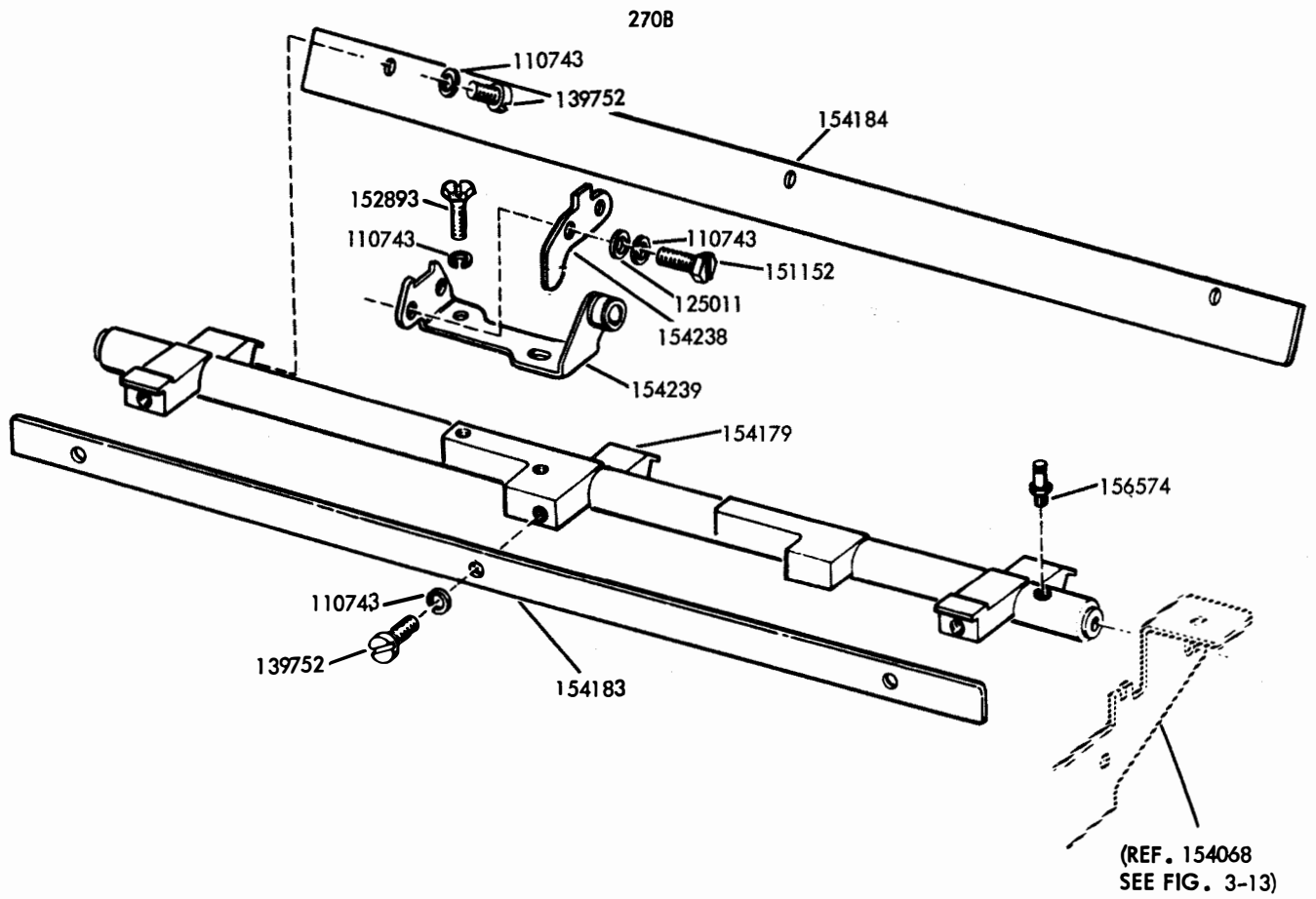


FIGURE 3-10. UNIVERSAL BAIL MECHANISM

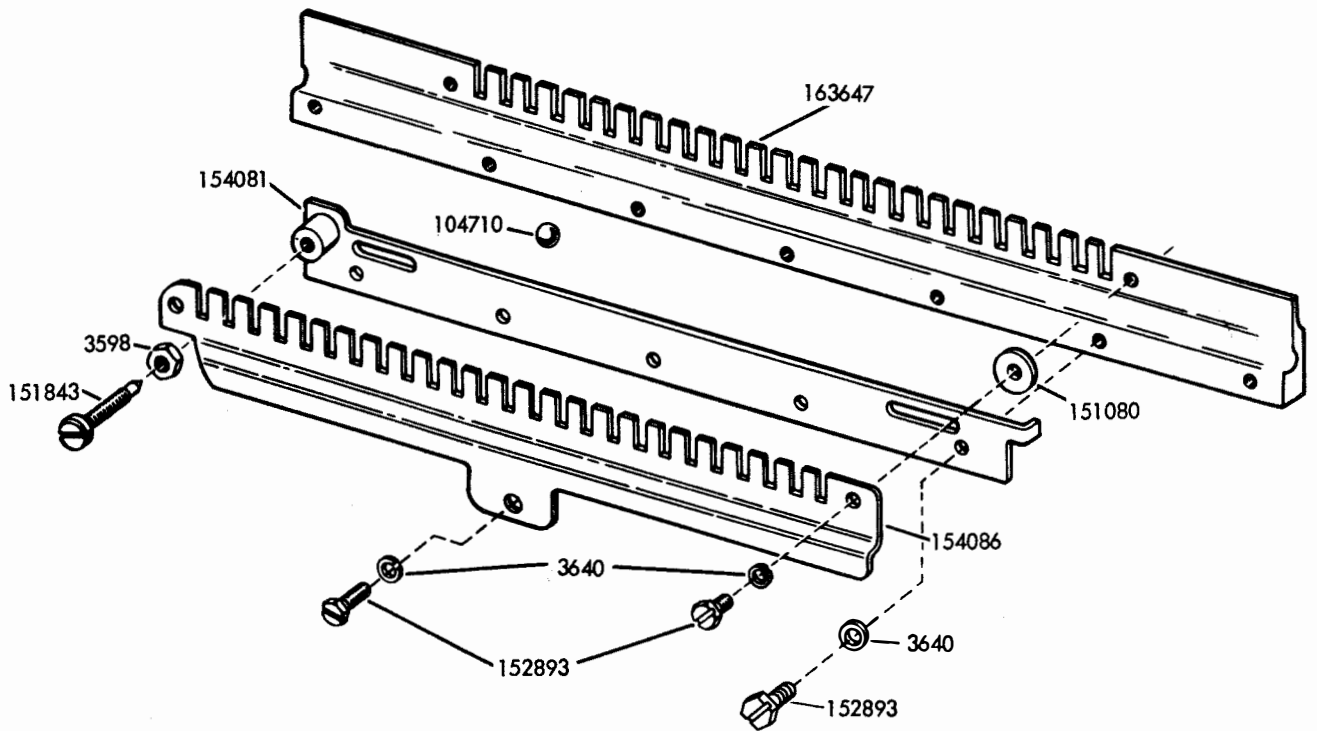
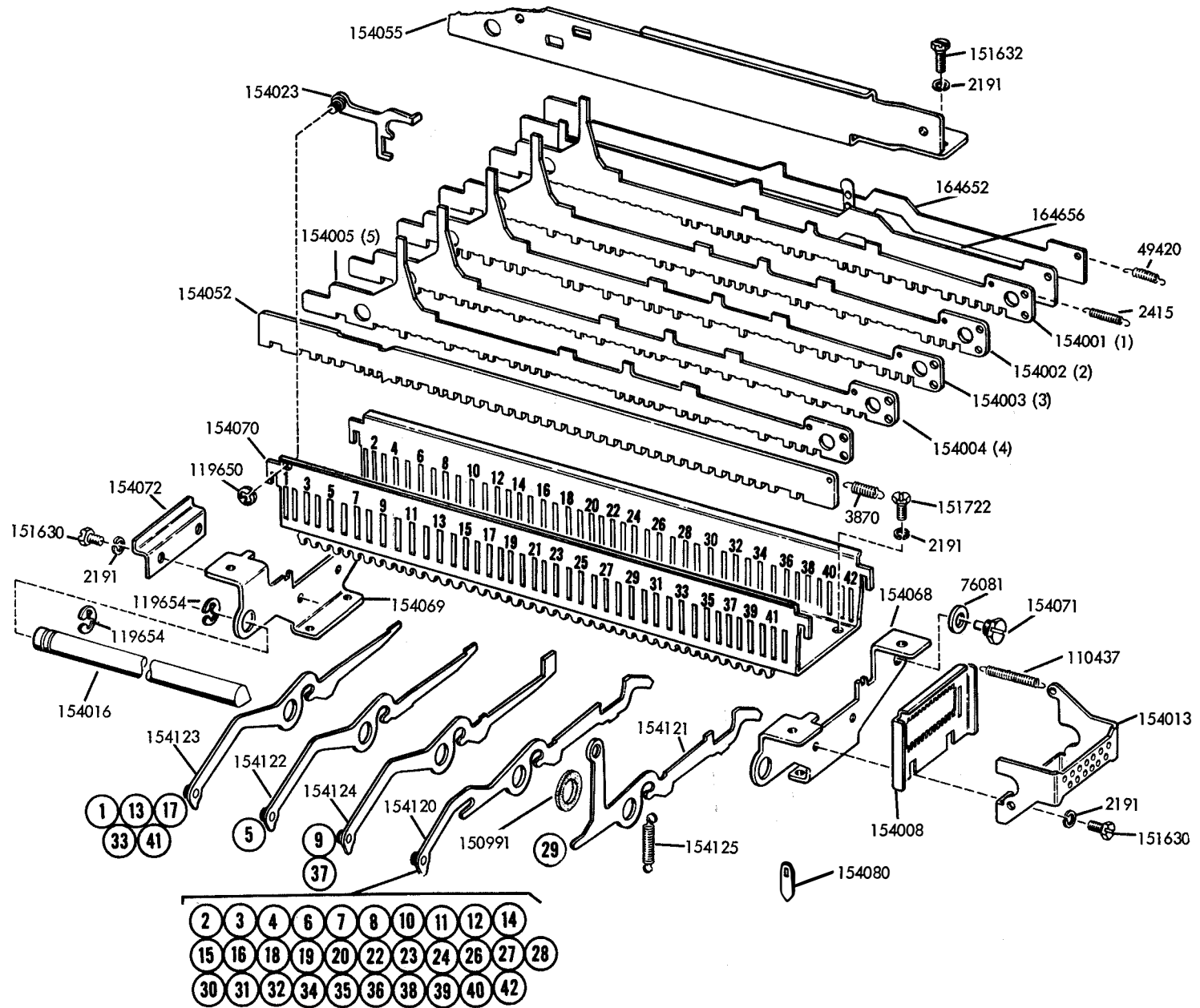


FIGURE 3-11. BALL LOCK MECHANISM

FIGURE 3-13. CODE BAR MECHANISM - SEND-RECEIVE KEYBOARD



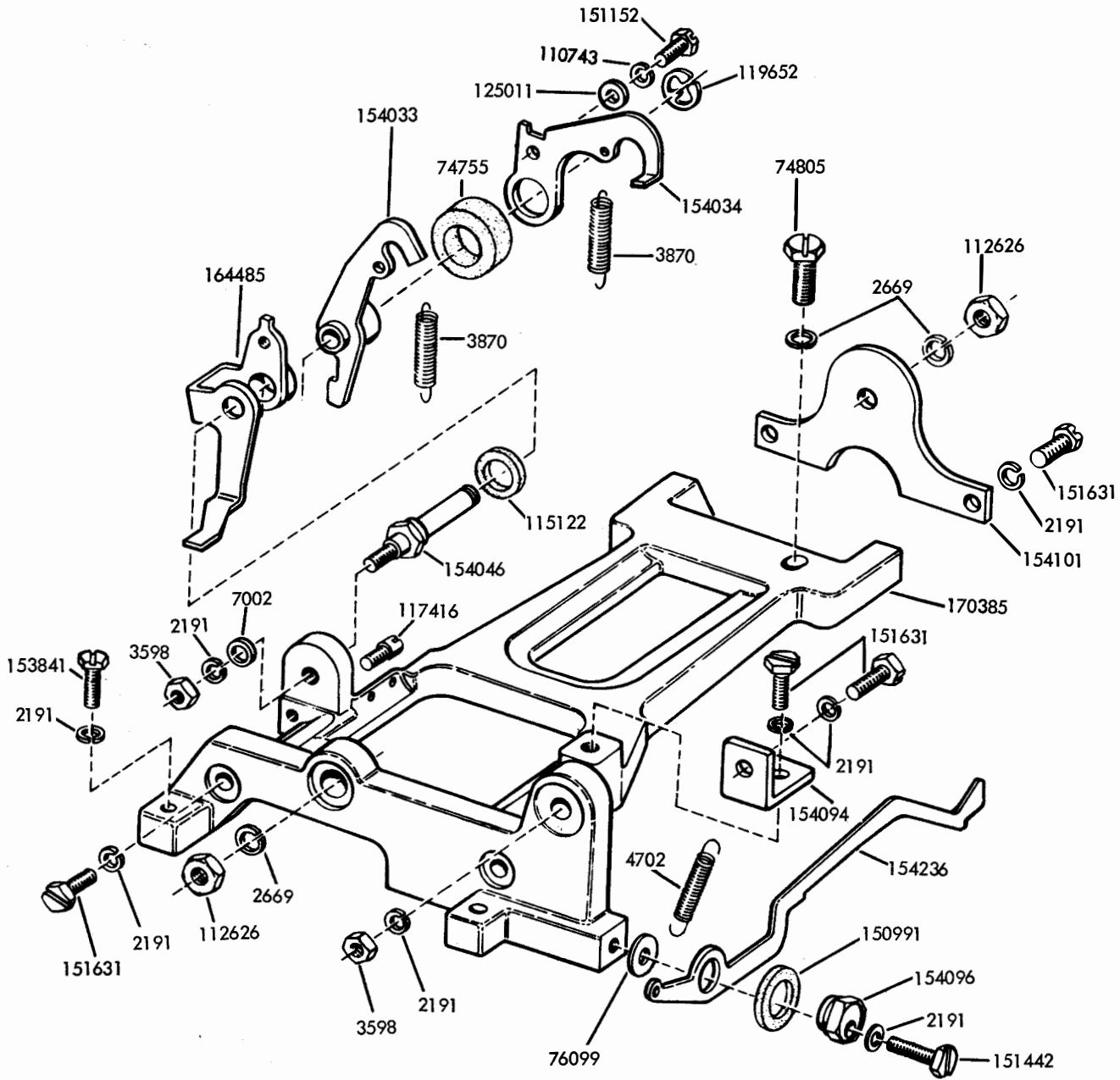


FIGURE 3-14. SIGNAL GENERATOR FRAME MECHANISM

FIGURE 3-15. SIGNAL GENERATOR SHAFT MECHANISM

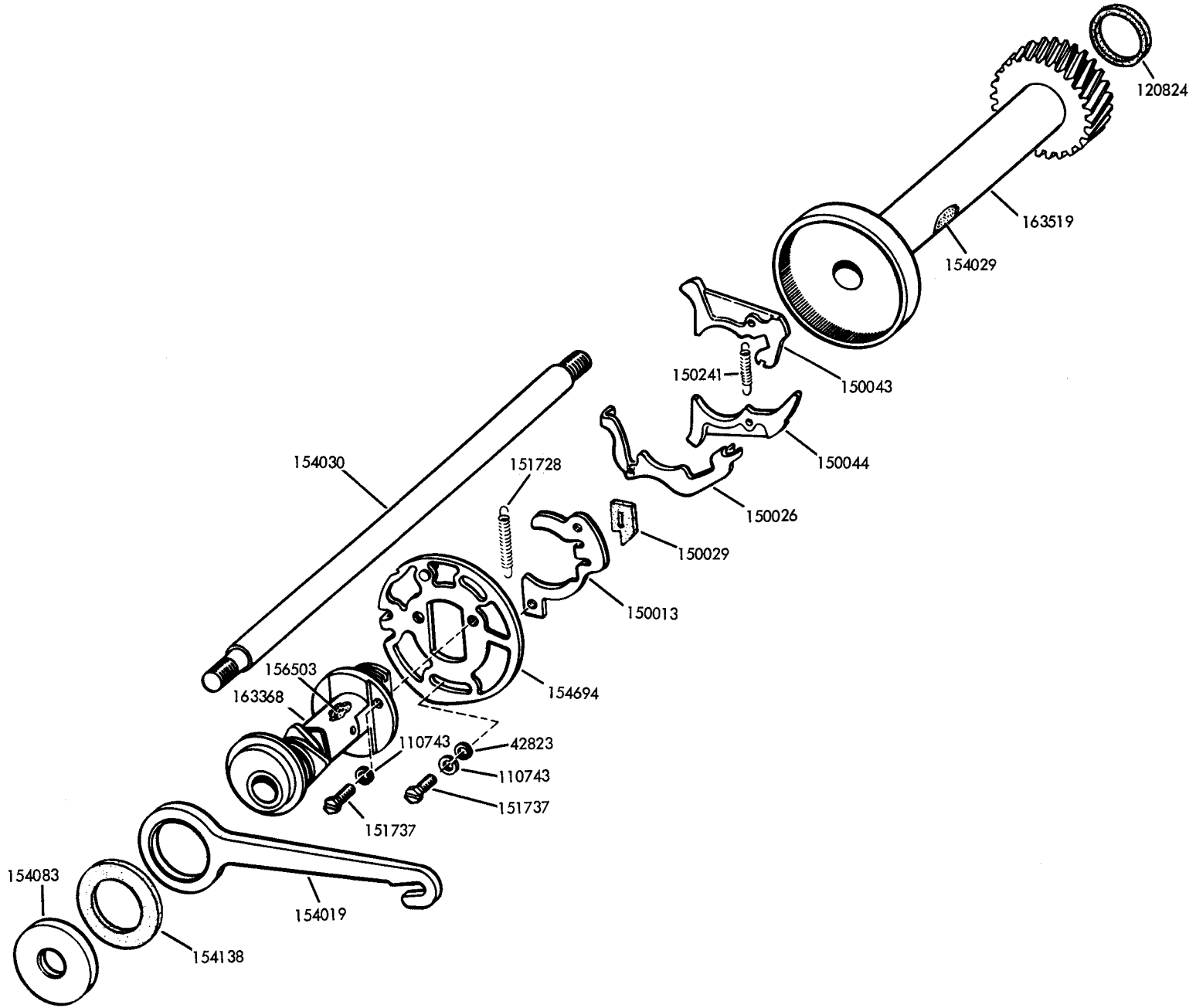
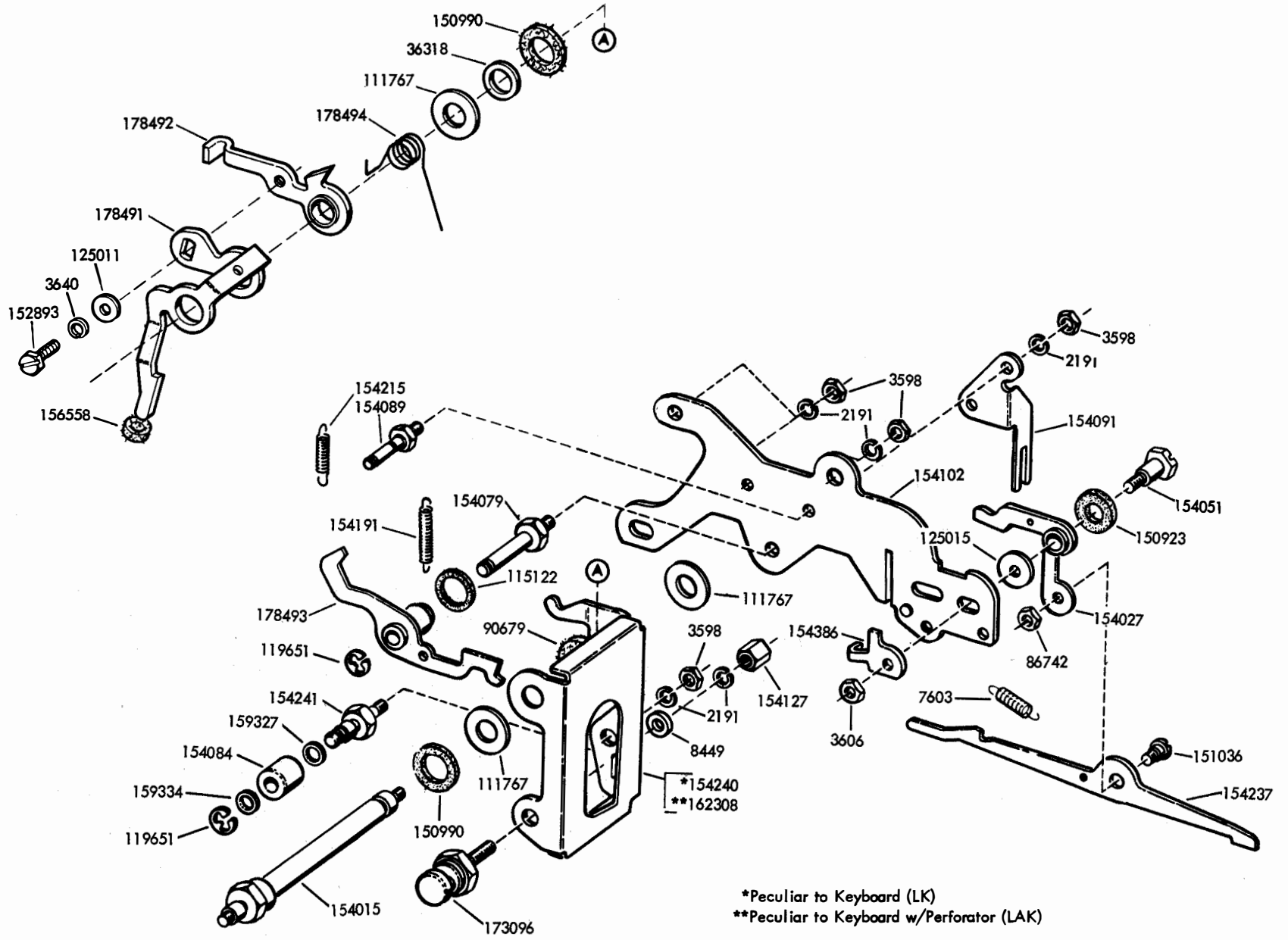


FIGURE 3-17. SIGNAL GENERATOR REAR PLATE MECHANISM



*Peculiar to Keyboard (LK)
 **Peculiar to Keyboard w/Perforator (LAK)

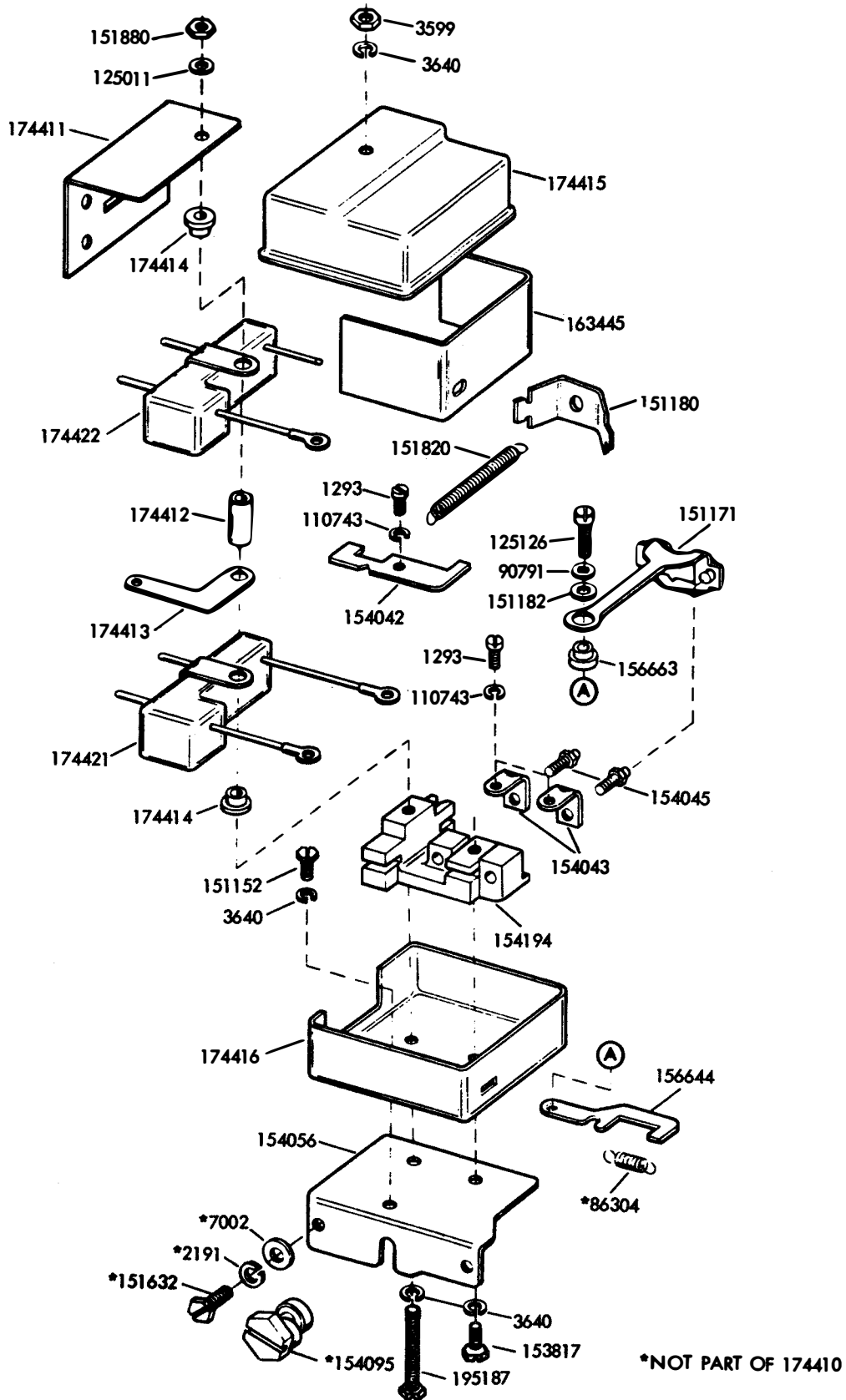


FIGURE 3-18. 17410 SIGNAL GENERATOR CONTACT BOX ASSEMBLY

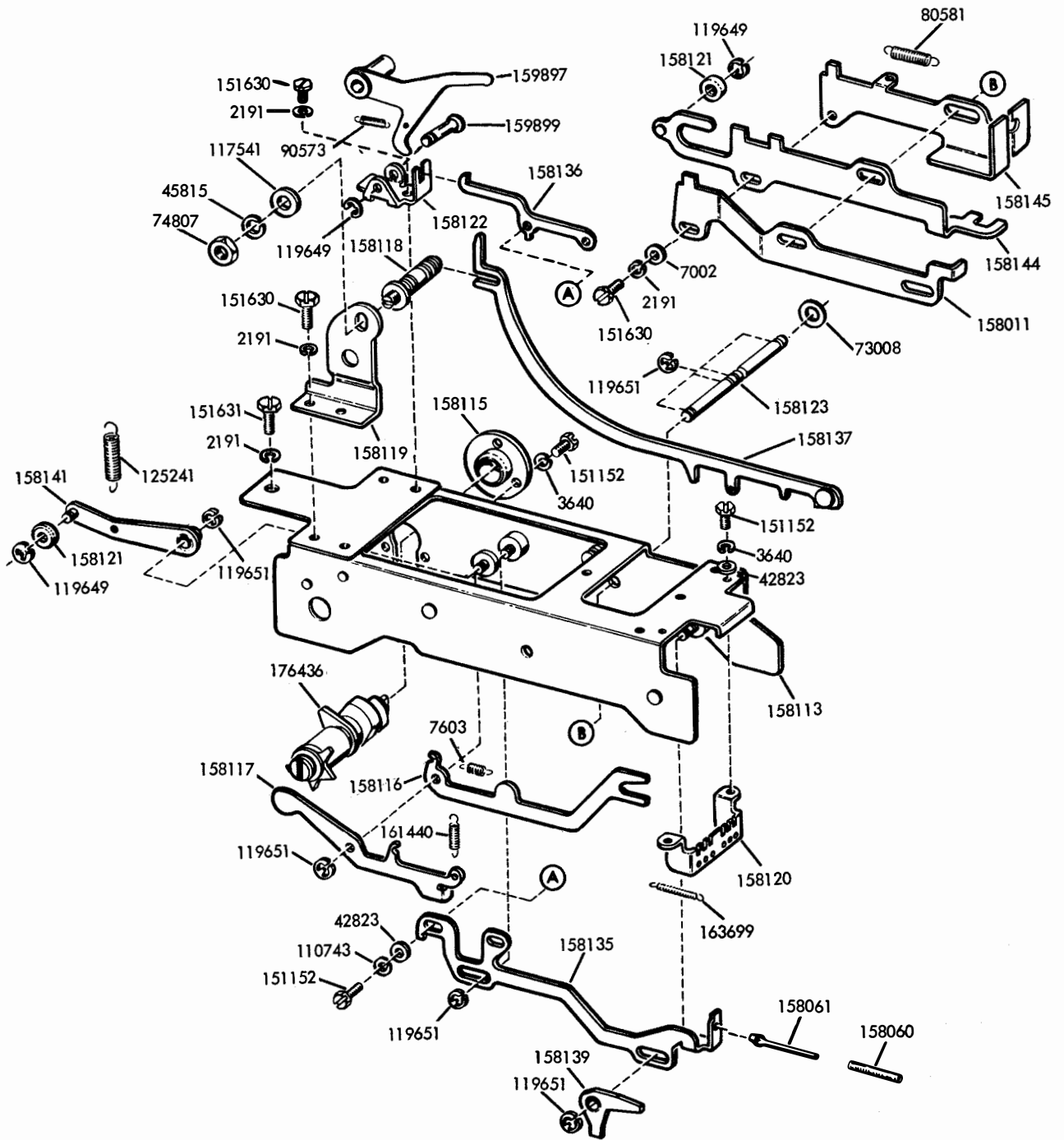


FIGURE 3-19. CODE BAR EXTENSION MECHANISM

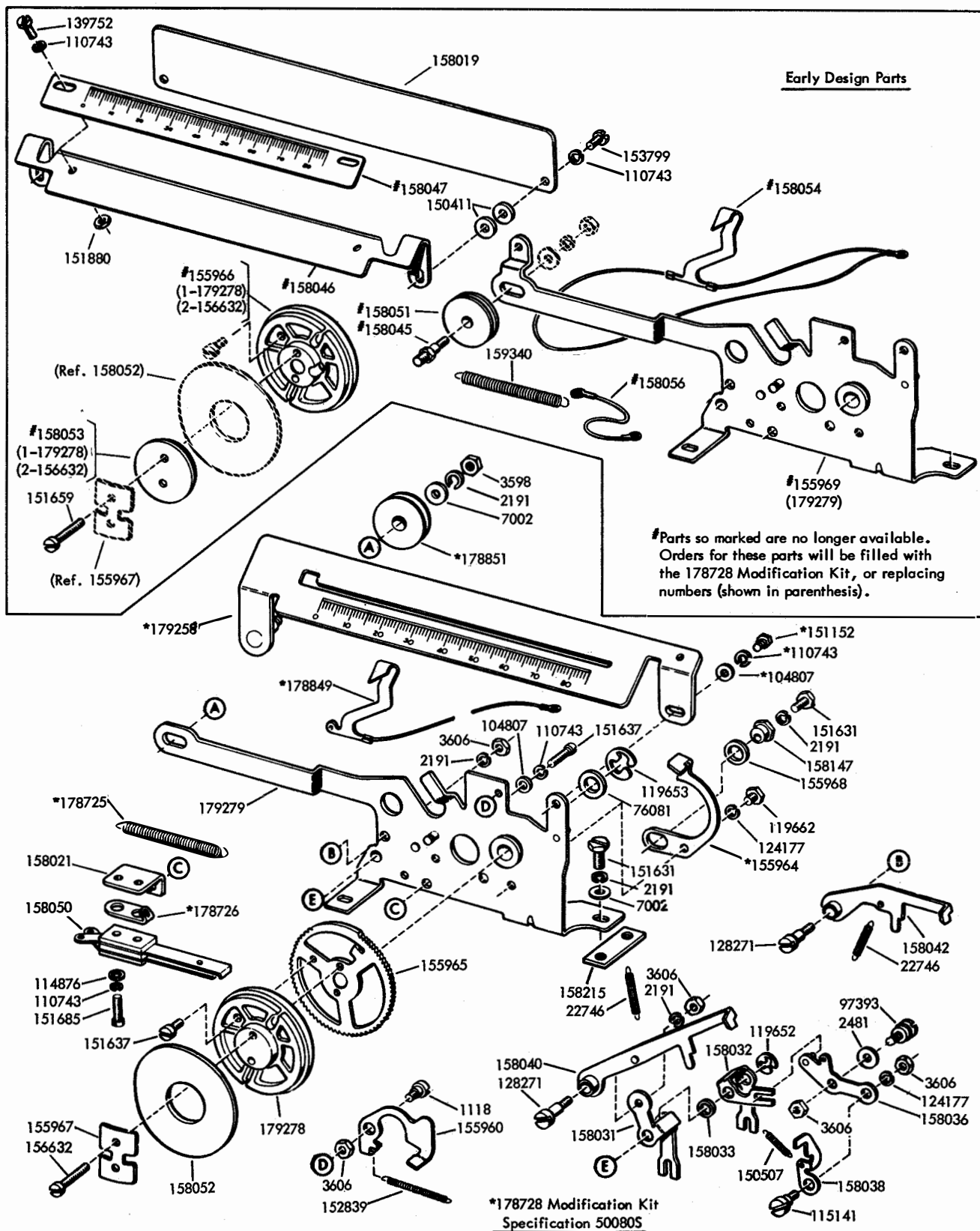
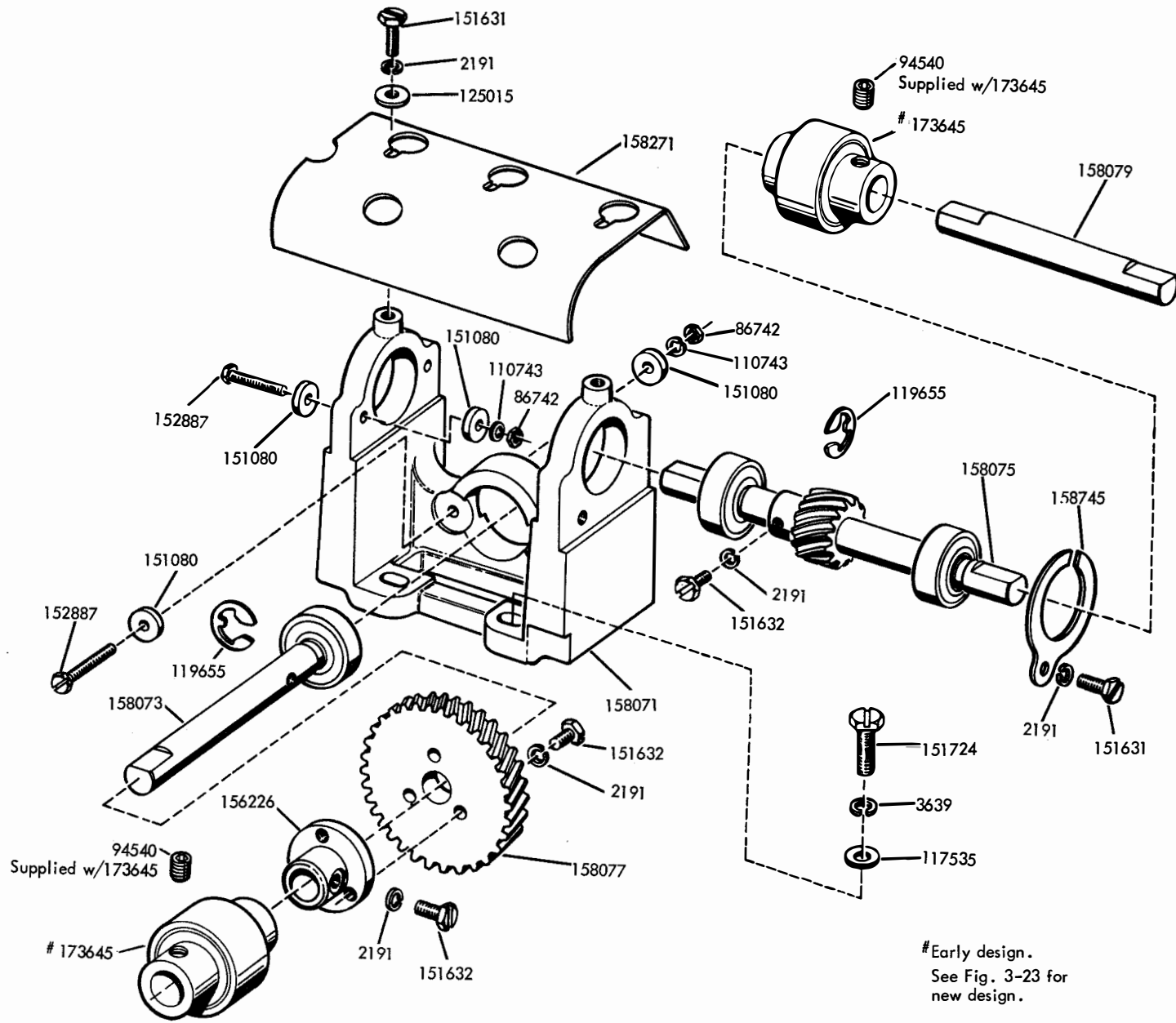


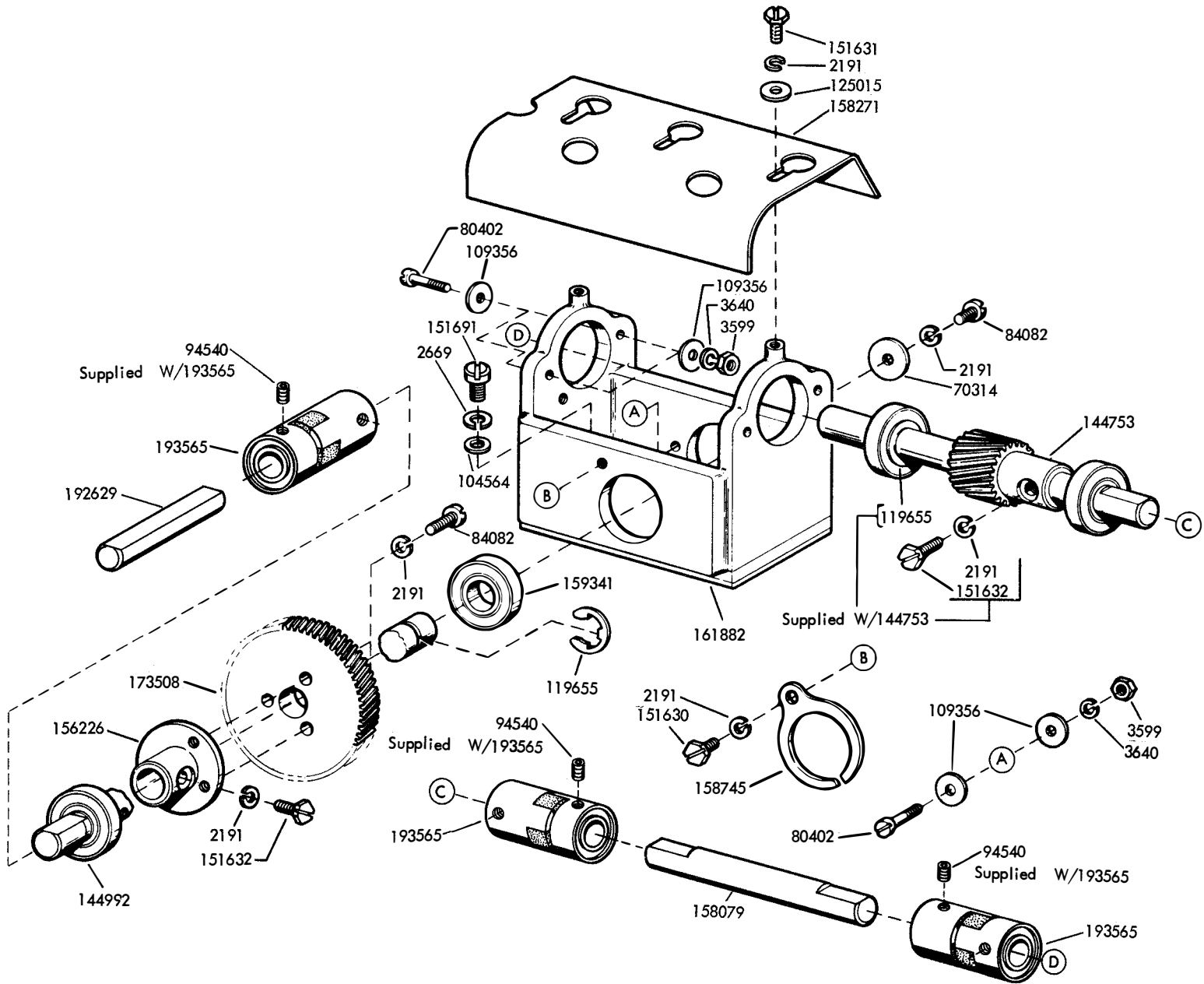
FIGURE 3-21. CHARACTER COUNTER MECHANISM

FIGURE 3-22. BEARING BRACKET ASSEMBLY



Early design.
See Fig. 3-23 for
new design.

FIGURE 3-23. BEARING BRACKET ASSEMBLY



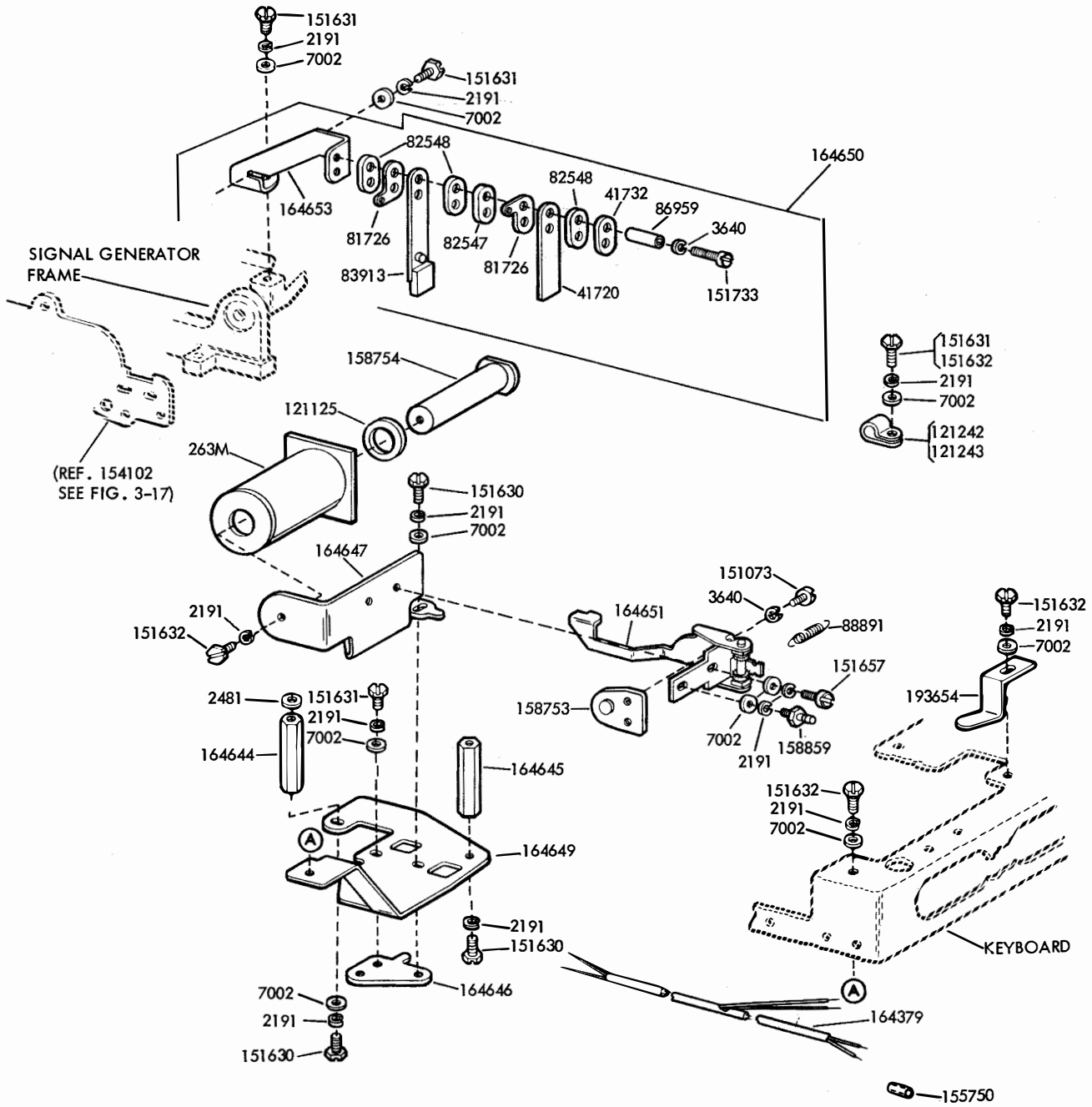


FIGURE 3-24. SYNCHRONOUS PULSED TRANSMISSION MECHANISM

270B

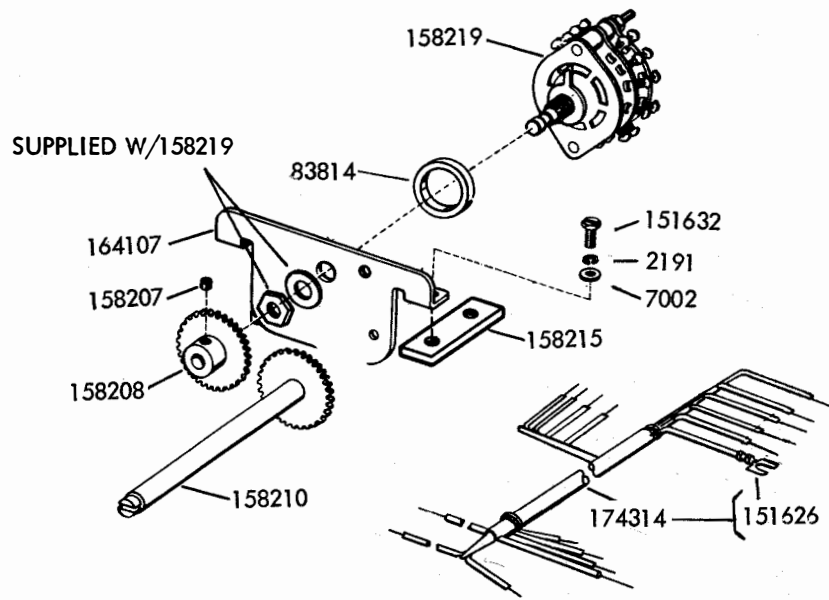


FIGURE 3-25. AUXILIARY SWITCH MECHANISM

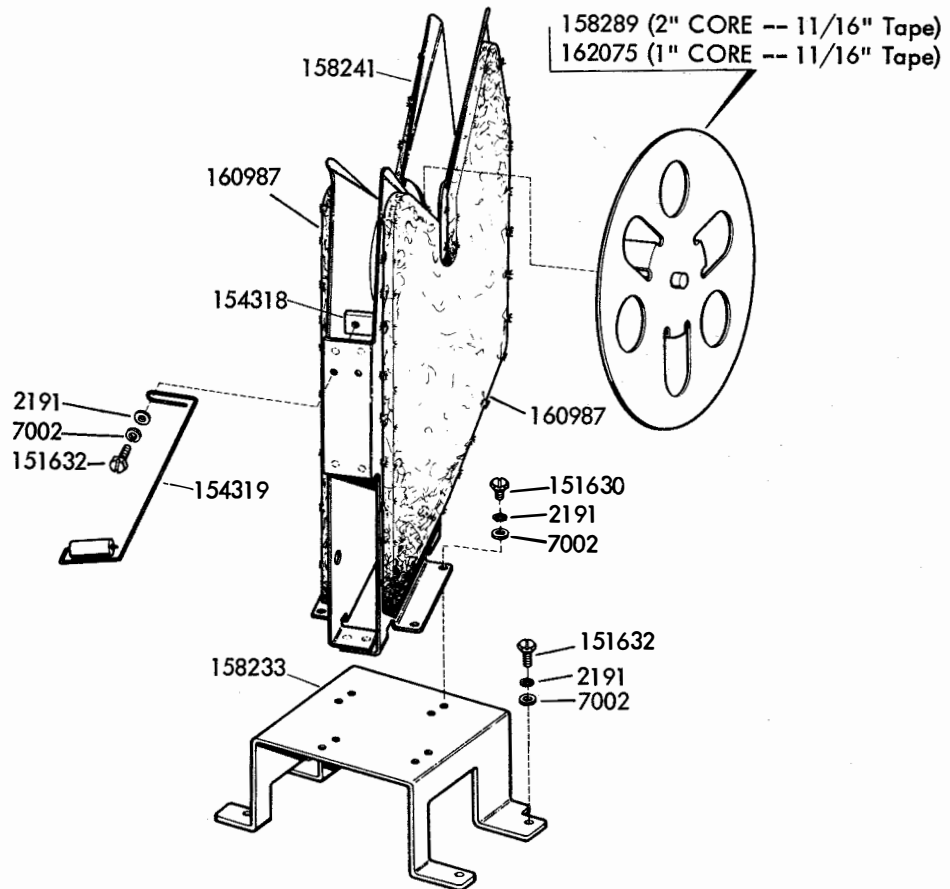
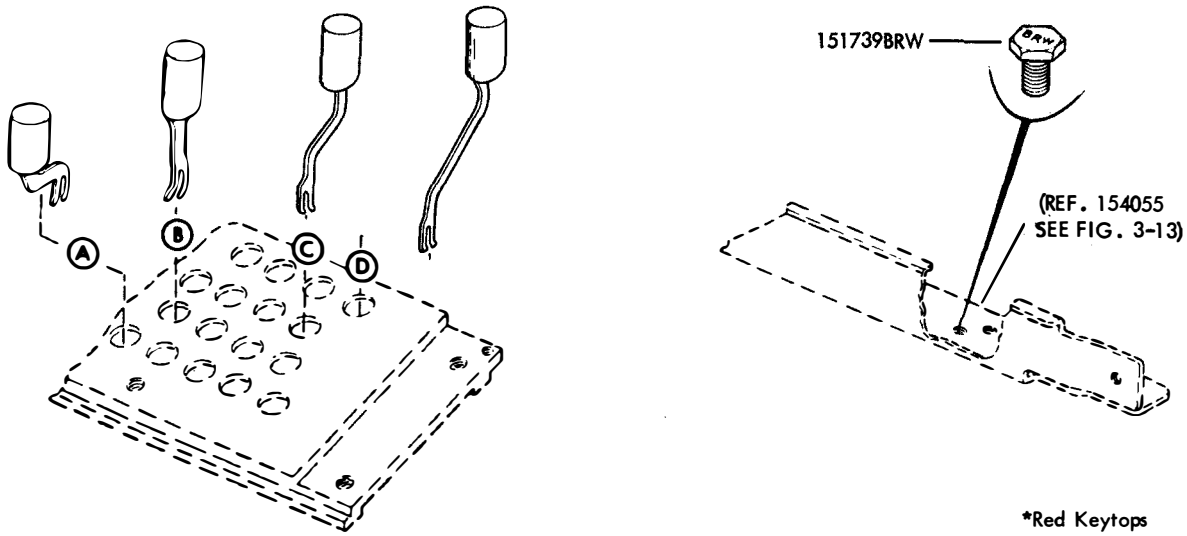


FIGURE 3-26. TAPE CONTAINER ASSEMBLY



*Red Keytops

KEYLEVER ASSEMBLIES											
Keytop Description	Part Number	Lever Style	Keytop Description	Part Number	Lever Style	Keytop Description	Part Number	Lever Style	Keytop Description	Part Number	Lever Style
A -	151302	B	J ▼	151308	B	S	157367	B	FIGS	151312	A
B ?	151317	A	K (	151309	B	T 5	151296	C	LTRS	151320	A
C :	151315	A	L)	151310	B	U 7	151298	C	LINE FEED	151321	A
D \$	151304	B	M .	151319	A	V ;	151316	A	(Blank)	151322	A
E 3	151294	C	N ,	151318	A	W 2	151293	C	LOC LF	*151286	D
F !	151305	B	O 9	151300	C	X /	151314	A	LOC CR	*151287	D
G &	151306	B	P ø	151301	C	Y 6	151297	C	KBD UNLK	*151288	D
H	151307	B	Q |	151292	C	Z "	151313	A	KBD LOCK	*151289	D
I 8	151299	C	R 4	151295	C	CAR RET	151311	B	REPT	*151291	D

FIGURE 3-27. KEYTOP ARRANGEMENT "BRW"

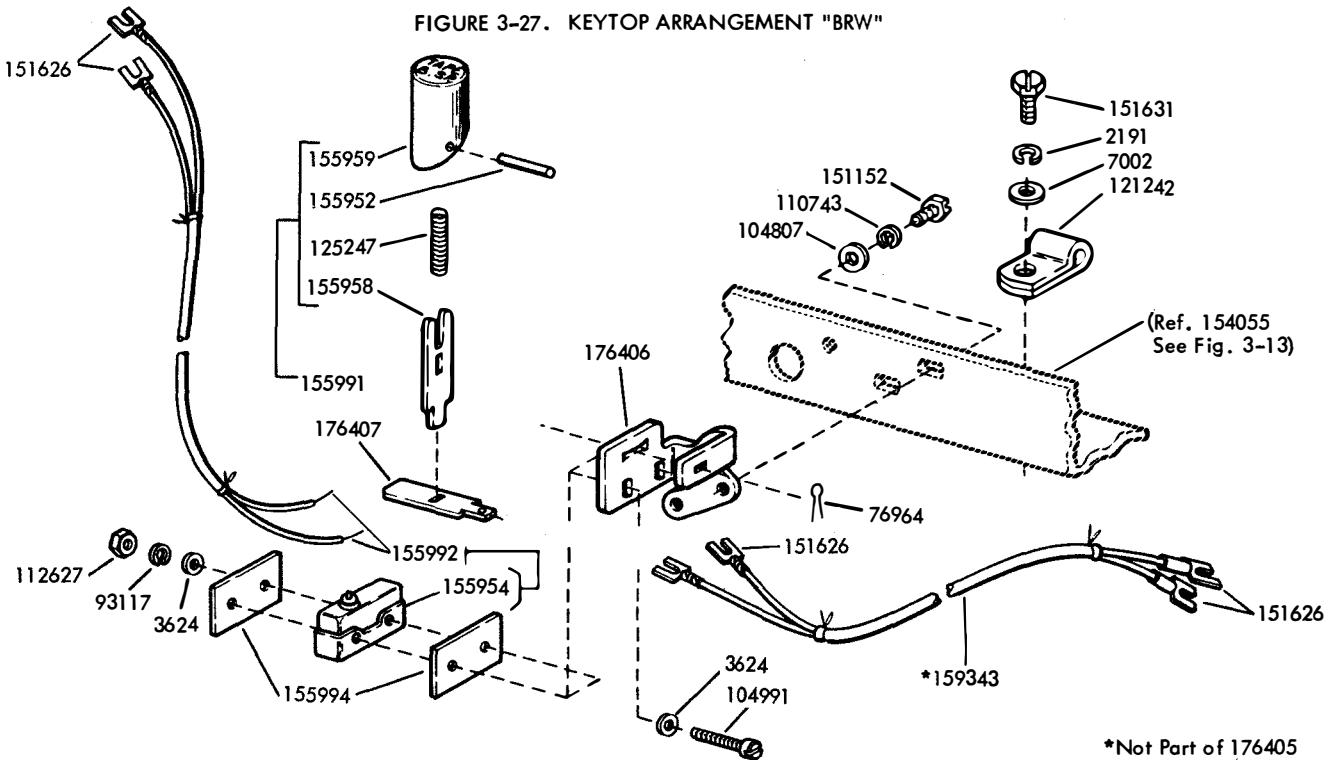
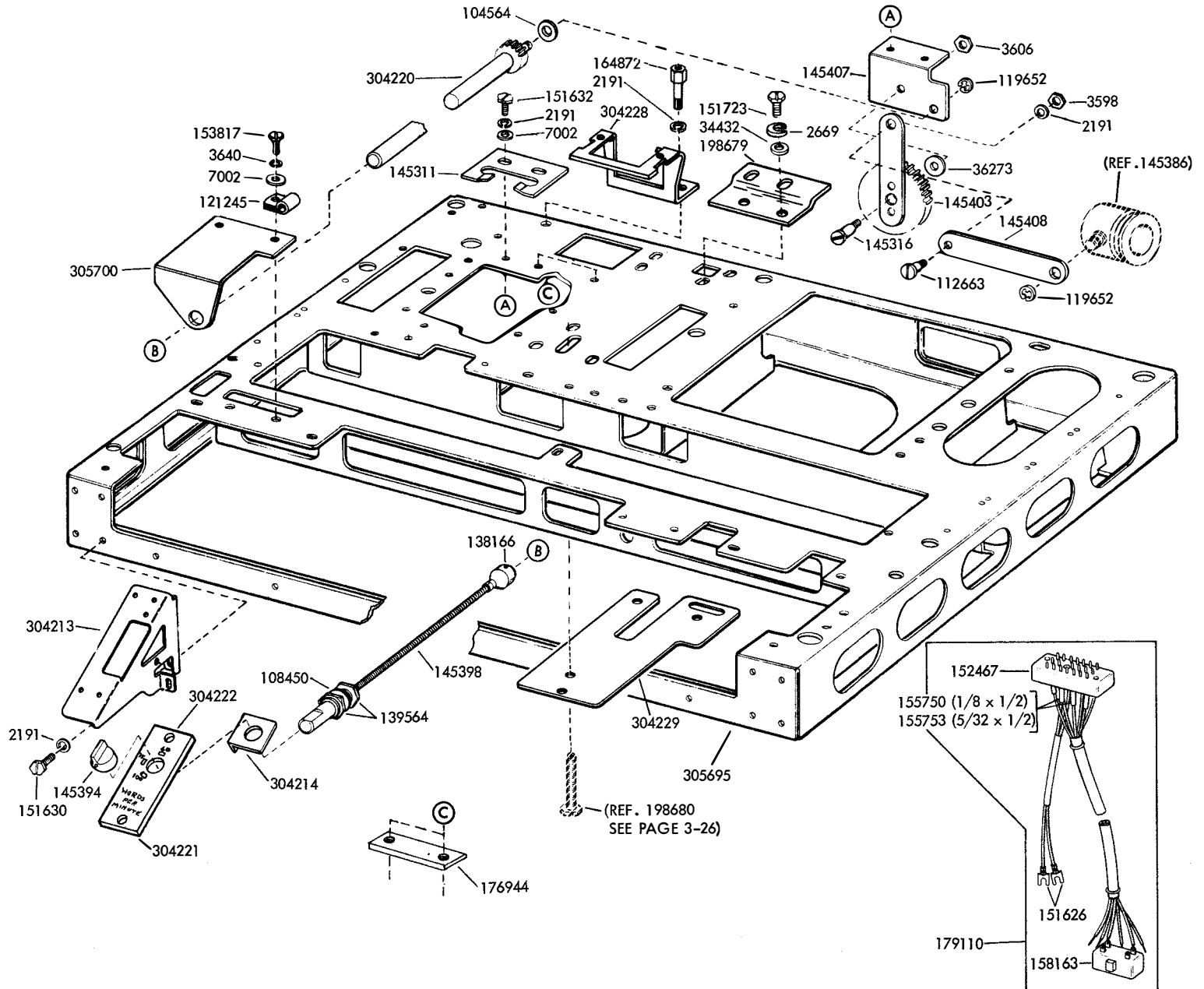
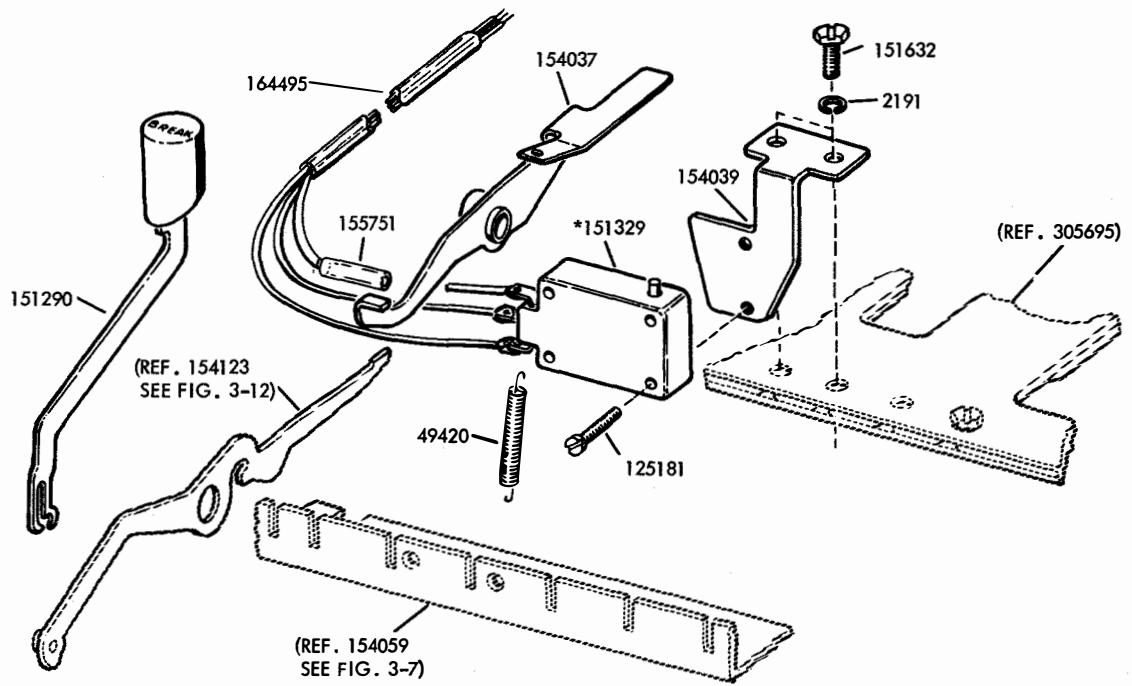


FIGURE 3-28. 176405 MODIFICATION KIT TO ADD TAPE BACKSPACE SWITCH AND KEYTOP ASSEMBLY

FIGURE 3-29. BASE





* PART OF 164495

SPECIFICATION 56575

FIGURE 3-31. 164494 MODIFICATION KIT TO PROVIDE ELECTRICAL SIGNAL LINE BREAK MECHANISM.

NUMERICAL INDEX - SECTION 3

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
263M	Coil, Magnet 3-22	45815	Washer, Lock 3-17	104807	Washer, Flat 3-19, 3-24
1020	Screw (6-40 x 1/4 Hex) 3-14	49420	Spring 3-7, 3-10, 3-11, 3-27	104827	Bearing, Ball 3-7
1047	Screw, Shoulder (6-40) 3-5	49653	Screw (10-32 x 13/16 Fil) 3-7	108370	Washer, Felt 3-14
1118	Screw, Shoulder (6-40) 3-19	55669	Spring 3-3, 3-18	108450	Washer, Lock 3-25
1210	Screw (2-56 x 5/8 Fil) 3-3, 3-18	70314	Washer, Flat 3-21	109356	Washer, Flat 3-21
1274	Screw (6-40 x 1-1/8 Fil) 3-8	70388	Spring 3-14	110437	Spring 3-10, 3-11
1293	Screw (4-40 x 1/8 Fil) 3-16	71858	Washer, Flat 3-18	110743	Washer, Lock 3-9, 3-12, 3-13, 3-16, 3-17, 3-19, 3-20, 3-24
2191	Washer, Lock 3-2 to 3-8, 3-10, 3-11, 3-12, 3-14 to 3-27	73008	Washer, Flat 3-17	111017	Screw (6-40 x 5/16 Fil) 3-2, 3-3, 3-4
2415	Spring 3-10, 3-11	74011	Screw, Shoulder (6-40) 3-25	111767	Washer, Flat 3-15
2481	Washer, Flat 3-19, 3-22	74014	Screw (10-32 x 3/4 Hex) 3-2	112626	Nut (10-32 Hex) 3-7, 3-12, 3-26
2669	Washer, Lock 3-2, 3-3, 3-4, 3-7, 3-12, 3-21, 3-25, 3-26	74755	Washer, Felt 3-12	112627	Nut (2-56 Hex) 3-24
3438	Washer, Flat 3-2, 3-3, 3-4, 3-6, 3-7	74805	Screw (10-32 x 3/4 Hex) 3-7, 3-12	112630	Spring 3-2, 3-3, 3-6
3598	Nut (6-40 Hex) 3-2 to 3-5, 3-8, 3-9, 3-12, 3-14, 3-15, 3-19, 3-25	74807	Nut (10-32 Hex) 3-17	112663	Screw, Shoulder (6-40) 3-25
3599	Nut (4-40 Hex) 3-3, 3-16, 3-18, 3-21	76081	Washer, Flat 3-10, 3-11, 3-19	114876	Washer, Flat 3-19
3606	Nut (6-40 Hex) 3-15, 3-18, 3-19, 3-25	76099	Washer, Flat 3-4, 3-12, 3-26	115122	Washer, Felt 3-12, 3-15
3624	Washer, Flat 3-24	76299	Spring 3-6	115141	Screw, Shoulder (6-40) 3-19
3639	Washer, Lock 3-2, 3-20	76964	Pin, Cotter 3-24	117416	Post 3-12
3640	Washer, Lock 3-3, 3-9, 3-15, 3-16, 3-17, 3-18, 3-21, 3-22, 3-25	80402	Screw (4-40 x 15/32 Fil) 3-21	117535	Washer, Flat 3-20
3870	Spring 3-2, 3-3, 3-10, 3-11, 3-12	80581	Spring 3-17	117541	Washer, Flat 3-17
4702	Spring 3-12	81726	Terminal 3-22	117608	Nut, Speed 3-5, 3-8
6968	Washer, Flat 3-26	81774	Washer, Flat 3-8	119648	Ring, Retaining 3-10, 3-14
6970	Nut (3/8-32 Hex) 3-26	82547	Insulator (.094") 3-22	119649	Ring, Retaining 3-10, 3-17, 3-18
7002	Washer, Flat 3-2, 3-3, 3-4, 3-8, 3-10, 3-12, 3-16 to 3-19, 3-22 to 3-25	82548	Insulator (.062") 3-22	119650	Ring, Retaining 3-10, 3-11
7603	Spring 3-15, 3-17	83814	Washer, Flat 3-23	119651	Ring, Retaining 3-2, 3-3, 3-6, 3-8, 3-14, 3-15, 3-17
7618	Spring 3-14	83913	Spring, Contact 3-22	119652	Ring, Retaining 3-6, 3-7, 3-12, 3-19, 3-25
8330	Washer, Flat 3-2, 3-7, 3-8, 3-18	84082	Screw (6-40 x 13/32 Fil) 3-21	119653	Ring, Retaining 3-7, 3-19
8449	Spacer (.094") 3-15	84579	Washer, Flat 3-26	119654	Ring, Retaining 3-10, 3-11
22746	Spring 3-19	86304	Spring 3-16	119655	Ring, Retaining 3-20, 3-21, 3-26
34432	Washer, Flat 3-25, 3-26	86742	Nut (4-40 Hex) 3-15, 3-20	119662	Screw (6-40 x 5/32 Unslotted) 3-19
36273	Washer, Flat 3-25	86774	Screw, Shoulder (6-40) 3-2	120824	Washer, Felt 3-13
36318	Washer, Flat 3-15	86835	Spring 3-2, 3-3, 3-4	120870	Wick, Felt 3-14
41385	Spring 3-18	86959	Bushing, Insulating 3-22	121125	Washer, Spring 3-22
41675	Washer, Flat 3-18	88891	Spring 3-22	121242	Clamp, Cable (1/8" ID) 3-3, 3-10, 3-18, 3-22, 3-24
41720	Spring, Contact 3-22	90573	Spring 3-17	121243	Clamp, Cable (3/16" ID) 3-4, 3-22
41732	Plate, Clamp 3-18, 3-22	90679	Washer, Felt 3-15	121244	Clamp, Cable (1/4" ID) 3-3
42823	Washer, Flat 3-13, 3-17	90791	Washer, Lock 3-16	121245	Clamp, Cable (5/16" ID) 3-25
		93117	Washer, Lock 3-18, 3-24	121246	Clamp, Cable (3/8" ID) 3-2
		93118	Washer, Lock 3-3		
		94540	Screw, Set (10-24) 3-20, 3-21		
		97393	Screw, Shoulder (6-40) 3-19		
		100149	Stud 3-5		
		102057	Screw, Shoulder (4-40) 3-3, 3-18		
		104564	Washer, Flat 3-21, 3-25		
		104710	Bearing, Ball 3-9		

NUMERICAL INDEX - SECTION 3

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
124177	Washer, Lock 3-19	151080	Washer, Flat 3-9, 3-20	151632	Screw (6-40 x 3/8 Hex) 3-2, 3-3, 3-7, 3-8, 3-10, 3-11, 3-16, 3-18, 3-20 to 3-23, 3-25 to 3-27
125011	Washer, Flat 3-9, 3-12, 3-15, 3-16	151113	Strip, Mounting 3-2 to 3-4	151637	Screw (4-40 x 1/4 Fil) 3-5, 3-18, 3-19
125015	Washer, Flat 3-2, 3-8, 3-15, 3-20, 3-21	151118	Plate, Spacing 3-2, 3-3, 3-4	151657	Screw (6-40 x 1/4 Fil) 3-4, 3-18, 3-22
125126	Screw (2-56 x 9/32 Fil) 3-16	151126	Spacer (25/64" ID) 3-7	151658	Screw (6-40 x 5/16 Fil) 3-2, 3-4, 3-5, 3-6, 3-26
125181	Screw (2-56 x 3/8 Fil) 3-27	151146	Strap, Mounting 3-2, 3-3, 3-4	151659	Screw (6-40 x 1/2 Fil) 3-5, 3-8, 3-19
125241	Spring 3-17	151152	Screw (4-40 x 3/16 Hex) 3-9, 3-12, 3-16, 3-17, 3-19, 3-24	151678	Screw, Pilot (1/4-32) 3-2, 3-3, 3-4
125247	Spring 3-24	151159	Bracket 3-6	151685	Screw (4-40 x 5/16 Fil) 3-19
128271	Screw, Shoulder (6-40) 3-19	151171	Toggle 3-16	151687	Screw (4-40 x 7/16 Fil) 3-18
130683	Washer, Lock 3-18	151180	Link, Toggle 3-16	151691	Screw (10-32 x 3/8 Fil) 3-21
138166	Screw, Set (8-32) 3-25	151182	Washer, Insulating 3-16	151692	Screw (6-40 x 3/16 Fil) 3-4, 3-5, 3-6
139555	Spring 3-5	151223	Screw, Shoulder (4-40) 3-8	151694	Screw (6-40 x 11/32 Fil) 3-2, 3-3
139564	Nut (3/8-32 Hex) 3-25	151224	Screw, Pilot (6-40) 3-8	151712	Button, Pivot 3-7
139752	Screw (4-40 x 11/64 Fil) 3-9, 3-19	151226	Strip 3-5	151722	Screw (6-40 x 3/16 Hex) 3-2, 3-3, 3-8, 3-10, 3-11, 3-14
142379	Pin, Roll 3-26	151228	Bracket W/Bearing 3-7	151723	Screw (10-32 x 3/8 Hex) 3-2, 3-3, 3-4, 3-25
144753	Shaft W/Bearing 3-21	151245	Washer, Felt 3-26	151724	Screw (10-32 x 5/8 Hex) 3-7, 3-20
144992	Shaft W/Bearing 3-21	151286	thru	151725	Screw (10-32 x 3/4 Fil) 3-7
145311	Plate, Stop 3-25	151289	Keylever Assemblies 3-24	151728	Spring 3-13
145313	Washer, Felt 3-26	151290	Keylever Assembly 3-27	151733	Screw (4-40 x 9/16 Fil) 3-13, 3-22
145316	Screw, Shoulder (6-40) 3-25	151291	thru	151737	Screw (4-40 x 11/64 Hex) 3-13
145365	Pinion, Motor (20T) 3-26	151302	Keylever Assemblies 3-24	151739BRW	Screw, Identification (6-40) 3-24
145366	Gear (56T) 3-26	151304	thru	151820	Spring 3-16
145367	Shaft, Drive 3-26	151322	Keylever Assemblies 3-24	151843	Screw, Adjusting (6-40) 3-9
145381	Washer, Thrust 3-26	151326	Plate, Sealing 3-5	151857	Bail 3-6
145383	Key 3-26	151326	Switch, Sensitive 3-27	151858	Bail 3-6
145384	Pin, Guide 3-26	151329	Stud 3-2, 3-3, 3-4	151859	Link 3-6
145385	Spring, Compression 3-26	151335	Spacer 3-5	151862	Bracket 3-6
145386	Sleeve 3-26	151338	Screw (6-40 x 3/8 Fil) 3-4	151863	Shaft 3-6
145389	Shaft, Idler 3-26	151346	Spring, Flat 3-2, 3-3	151867	Bracket 3-5
145393	Bushing 3-26	151352	Label, Instruction 3-8	151880	Nut (4-40 Hex) 3-16, 3-19
145394	Knob 3-25	151376	Paper, Carbon 3-8	152000	Base 3-4
145398	Shaft 3-25	151389	Label 3-8	152045	Guard, Gear 3-2, 3-3, 3-4
145403	Gear W/Link (36T) 3-25	151390	Label Set 3-8	152051	Tissue 3-8
145407	Bracket 3-25	151391	Block, Terminal 3-2, 3-3, 3-4	152460	Bracket 3-4
145408	Link 3-25	151415	Nut (6-40 Hex) 3-2, 3-3, 3-4		
150013	Disk, Adjusting 3-13	151416	Screw (6-40 x 1/2 Hex) 3-2, 3-3, 3-8, 3-12		
150026	Lever, Shoe Release 3-13	151442	Washer, Flat 3-26		
150029	Wick, Felt 3-13	151610	Terminal 3-18, 3-23, 3-24, 3-25		
150043	Shoe, Clutch 3-13	151626	Screw (6-40 x 1/4 Hex) 3-2, 3-3, 3-8, 3-10, 3-11, 3-17, 3-18, 3-21 to 3-26		
150044	Shoe, Clutch 3-13	151630	Screw (6-40 x 5/16 Hex) 3-2, 3-7, 3-8, 3-10, 3-12, 3-17 to 3-22, 3-24, 3-26		
150241	Spring 3-13				
150411	Washer, Flat 3-19				
150507	Spring 3-19				
150923	Washer, Felt 3-14, 3-15				
150966	Insulator (1-4) 3-2 to 3-4				
150990	Washer, Felt 3-15				
150991	Washer, Felt 3-10, 3-11, 3-12				
151036	Screw, Shoulder (4-40) 3-15				
151045	Bar, Spacing 3-8				
151073	Screw (4-40 x 5/32 Fil) 3-22				

NUMERICAL INDEX - SECTION 3

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
152462	Latch, Right 3-2, 3-3, 3-4	154040	Lever, Transfer 3-14	154125	Spring 3-10, 3-11
152463	Latch, Left 3-2, 3-3, 3-4	154041	Post 3-14	154127	Nut (6-40 Hex) 3-15
152464	Insulator (.062") 3-2 to 3-4	154042	Terminal 3-16	154138	Washer, Felt 3-13
152467	Connector, Plug (20 Pt) 3-2, 3-3, 3-4, 3-10, 3-25	154043	Terminal 3-16	154140	Bail, Locking 3-14
152839	Spring 3-19	154045	Screw, Contact (4-40) 3-16	154176	Bracket 3-2, 3-3
152887	Screw (4-40 x 1/2 Hex) 3-20	154046	Stud 3-12	154178	Spring 3-14
152893	Screw (4-40 x 1/4 Hex) 3-9, 3-15	154047	Post, Spring 3-14	154179	Bail, Universal 3-9
153109	Lever, Function 3-5	154051	Screw, Shoulder (6-40) 3-15	154183	Blade, Front 3-9
153112	Bracket 3-5	154052	Bar, Locking 3-11	154184	Blade, Rear 3-9
153116	Plug, Button 3-5	154055	Bracket 3-10, 3-11	154191	Spring 3-15
153117	Cover 3-5	154056	Bracket 3-16	154194	Base 3-16
153118	Cover, Label 3-5	154057	Plate 3-8	154197	Plug, Button 3-8
153119	Label Set 3-5	154058	Plate 3-8	154198	Window, Plastic 3-8
153252	Link 3-2, 3-3	154059	Bracket 3-7	154199	Shim (.005") 3-2, 3-3
153264	Shaft 3-6	154066	Lever 3-7	154201	Shim (.014") 3-2, 3-3
153444	Keylever Assembly 3-5	154067	Lever 3-7	154202	Screw (#4 Spl) 3-8
153445	Keylever Assembly 3-5	154068	Bracket, Right 3-10, 3-11	154203	Bracket 3-8
153538	Screw (6-40 x 7/16 Hex) 3-2	154069	Bracket, Left 3-10, 3-11	154204	Grommet, Plastic 3-8
153799	Screw (4-40 x 21/64 Hex) 3-19	154070	Guide, Lever 3-10, 3-11	154208	Bracket 3-3
153817	Screw (4-40 x 3/8 Hex) 3-3, 3-16, 3-25	154071	Screw, Pilot (1/4-32) 3-10, 3-11	154210	Bracket, Left 3-8
153841	Screw (6-40 x 9/16 Hex) 3-12	154072	Bracket 3-11	154211	Bracket, Right 3-8
154000	Base 3-3	154076	Plate, Nut 3-2, 3-3	154212	Frame, Front 3-8
154001	Bar, Code (#1) 3-11	154079	Stud 3-15	154215	Spring 3-15
154002	Bar, Code (#2) 3-11	154080	Lock, Wedge 3-10, 3-11	154217	Wick, Leather 3-14
154003	Bar, Code (#3) 3-11	154081	Plate, Retainer 3-9	154236	Lever, Latch 3-12
154004	Bar, Code (#4) 3-11	154083	Spacer 3-13	154237	Lever, Non-Repeat 3-15
154005	Bar, Code (#5) 3-11	154084	Bearing 3-15	154238	Extension 3-9
154008	Guide, Code Bar 3-10, 3-11	154085	Plate 3-2, 3-3, 3-4	154239	Extension W/Post 3-9
154009	Plate, Front 3-14	154086	Retainer, Wedge 3-9	154240	Bail, Code Bar 3-15
154010	Bail, Transfer 3-14	154087	Plate, Nut 3-2, 3-3	154241	Stud 3-15
154013	Bracket, Spring 3-11	154088	Plate, Nut 3-2, 3-3	154318	Plate 3-23
154014	Post, Guide 3-14	154089	Post, Spring 3-15	154319	Guide, Tape 3-23
154015	Post 3-15	154091	Guide 3-15	154386	Plate, Adjusting 3-15
154016	Shaft 3-10, 3-11	154092	Shaft 3-7	154662	Spacer 3-7
154018	Post 3-14	154094	Clamp 3-12	154663	Shaft 3-7
154019	Follower, Eccentric 3-13	154095	Eccentric 3-16	154694	Disk, Clutch 3-13
154020	Seal, Front 3-8	154096	Bushing, Eccentric 3-12	155750	Sleeve, Insulating (3/32 ID x 1/2" Lg) 3-10, 3-22, 3-25
154021	Link 3-8	154099	Bail 3-7	155751	Sleeve, Insulating (1/8 ID x 1" Lg) 3-27
154023	Latch 3-10, 3-11	154101	Plate, Rear 3-12	155753	Sleeve, Insulating (1/8 ID x 1/2" Lg) 3-3, 3-25
154027	Bellcrank 3-15	154102	Plate, Rear 3-15	155952	Pin 3-24
154029	Wick, Felt 3-13	154105	Post 3-14	155954	Switch 3-24
154030	Shaft 3-13	154106	Bracket 3-2, 3-3	155958	Keylever 3-24
154033	Lever, Latch 3-12	154109	Plunger 3-2, 3-3	155959	Keytop 3-24
154034	Lever, Stop 3-12	154110	Hood, Keyboard 3-8	155960	Latch 3-19
154036	Plate 3-14	154111	Plate, Guide 3-8	155964	Lever, Stop 3-19
154037	Lever 3-27	154115	Plate, Guide 3-2, 3-3	155965	Ratchet (88T) 3-19
154039	Bracket 3-27	154117	Bail, Space Bar 3-8	155966	Drum, Ratchet 3-19
		154119	Bracket, Space Bar 3-8	155967	Washer, Spring 3-19
		154120	Lever 3-10, 3-11	155968	Washer, Flat 3-19
		154121	Lever (Space) 3-10, 3-11	155969	Bracket 3-19
		154122	Lever (Kybd) 3-10, 3-11	155991	Keytop Assembly 3-24
		154123	Lever (Function) 3-10, 3-11	155992	Cable Assembly 3-24
		154124	Lever (Rpt, Kybd Unlock) 3-10, 3-11	155994	Insulator (.015") 3-24
				156226	Hub 3-20, 3-21

NUMERICAL INDEX - SECTION 3

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
156450	Screw (2-56 x 1/2 Fil) 3-24	158093	Spacer 3-10	158276	Screw (3-48 x 11/16 Rd) 3-10
156503	Wick, Felt 3-13	158094	Stud 3-10	158289	Reel, Tape 3-23
156509	Washer, Flat 3-14	158099	Lever 3-10	158745	Plate, Clamp 3-20, 3-21, 3-26
156516	Latch 3-14	158103	Latch W/Hub 3-10	158753	Armature 3-22
156558	Washer, Felt 3-15	158105	Bar, Code (R) 3-10	158754	Core, Magnet 3-22
156574	Post, Spring 3-9	158107	Bar, Code (C) 3-10	158859	Post, Spring 3-22
156630	Washer, Felt 3-14	158113	Frame 3-17	159287	Retainer, Pinion 3-7, 3-26
156632	Screw (6-40 x 13/32 Hex) 3-8, 3-19	158115	Bushing 3-17	159327	Washer, Flat 3-15
156644	Link 3-16	158116	Lever, Reset 3-17	159334	Washer, Insulating 3-15
156663	Insulator 3-16	158117	Follower, Reset Cam 3-17	159340	Spring 3-19
157367	Keylever Assembly 3-24	158118	Guide 3-17	159341	Bearing, Ball 3-21, 3-26
158000	Base 3-2	158119	Bracket 3-17	159343	Cable 3-24
158010	Bar, Locking 3-10	158120	Bracket 3-17	159897	Arm 3-17
158011	Lever, Blocking 3-17	158121	Roller 3-17	159899	Pin 3-17
158019	Baffle, Character Counter 3-19	158122	Bracket 3-17	160987	Pad, Tape Container 3-23
158021	Bracket, Switch 3-19	158123	Shaft 3-17	161301	Post 3-7, 3-26
158031	Bail, Drive Lever Feed 3-19	158135	Link 3-17	161346	Washer, Felt 3-14
158032	Bail, Reset 3-19	158136	Latch 3-17	161440	Spring 3-17
158033	Spacer 3-19	158137	Extension, Code Bar 3-17	161882	Plate W/Bracket 3-21
158036	Lever, Reset 3-19	158139	Bellcrank 3-17	161891	Plate, Keytop Guide 3-8
158038	Lever 3-19	158141	Lever 3-17	162075	Reel, Tape 3-23
158040	Lever, Ratchet Drive 3-19	158144	Slide 3-17	162308	Bail, Code Bar 3-15
158042	Lever, Ratchet Latch 3-19	158145	Extension 3-17	162333	Stud, Locating 3-4, 3-7
158045	Stud 3-19	158147	Bushing, Eccentric 3-18, 3-19	162659	Retainer 3-26
158046	Bracket, Counter Scale 3-19	158148	Washer, Felt 3-18	163368	Camsleeve 3-13
158047	Scale, Counter 3-19	158149	Bracket 3-18	163445	Insulator, Strip 3-16
158050	Switch 3-19	158150	Shaft 3-18	163460	Gear (55T) 3-7
158051	Pulley, Indicator Cord 3-19	158151	Arm 3-18	163463	Pinion (24T) 3-7
158052	Cam, Switch 3-19	158156	Lever 3-18	163464	Gear (104T) 3-7
158053	Clamp 3-19	158158	Roller 3-18	163505	Gear Set 3-7
158054	Cord Assembly 3-19	158160	Bracket 3-18	163511	Plate 3-8
158056	Cord, Reset 3-19	158162	Bracket 3-18	163512	Bracket 3-8
158060	Spring 3-17	158163	Switch, Sensitive 3-3, 3-18, 3-25	163519	Sleeve, Gear 3-13
158061	Pin 3-17	158164	Lever W/Hub 3-3, 3-18	163585	Bracket, Right 3-8
158062	Stop 3-18	158189	Washer, Felt 3-18	163586	Bracket, Left 3-8
158063	Bracket, Stop 3-10	158207	Screw, Set (10-32) 3-23	163647	Channel, Ball 3-9
158064	Clip, Spring 3-2	158208	Gear (43T) 3-23	163699	Spring 3-17
158066	Switch 3-18	158210	Shaft 3-23	164107	Bracket 3-23
158067	Bracket 3-18	158212	Bracket 3-2	164224	Insulator (7-12) 3-2
158068	Plate 3-2	158213	Plate 3-2	164379	Cable 3-22
158071	Bracket, Bearing 3-20	158215	Plate, Nut 3-2, 3-19, 3-23	164485	Bail 3-12
158073	Shaft 3-20	158216	Plate 3-2	164489	Bar, Universal 3-10
158075	Shaft 3-20	158217	Plate 3-2	164490	Bar, Clutch Trip 3-10
158077	Gear (33T) 3-20	158219	Switch, Rotary 3-23	164494	Modification Kit 3-27
158079	Shaft 3-20, 3-21	158226	Bracket 3-10	164495	Cable Assembly 3-27
158087	Bar, Code (#A) 3-10	158228	Lever W/Stud 3-10	164644	Post 3-22
158088	Bar, Code (#2A) 3-10	158228	Lever W/Stud 3-10	164645	Post 3-22
158089	Bar, Code (#3A) 3-10	158230	Bracket, Contact 3-10	164646	Plate, Nut 3-22
158090	Bar, Code (#4A) 3-10	158233	Bracket 3-23	164647	Bracket 3-22
158091	Bar, Code (#5A) 3-10	158241	Container W/Pads, Tape 3-23	164649	Plate, Mounting 3-22
		158250	Block, Terminal 3-2	164650	Contact Assembly 3-22
		158251	Plate, Mounting 3-2	164651	Bail, Armature 3-22
		158252	Insulator (1-6) 3-2	164652	Bar, Universal 3-11
		158271	Guard, Gear 3-20, 3-21	164653	Bracket 3-22
		158275	Plate, Clamp 3-10	164656	Bar, Clutch Trip 3-11
				164872	Stud 3-25

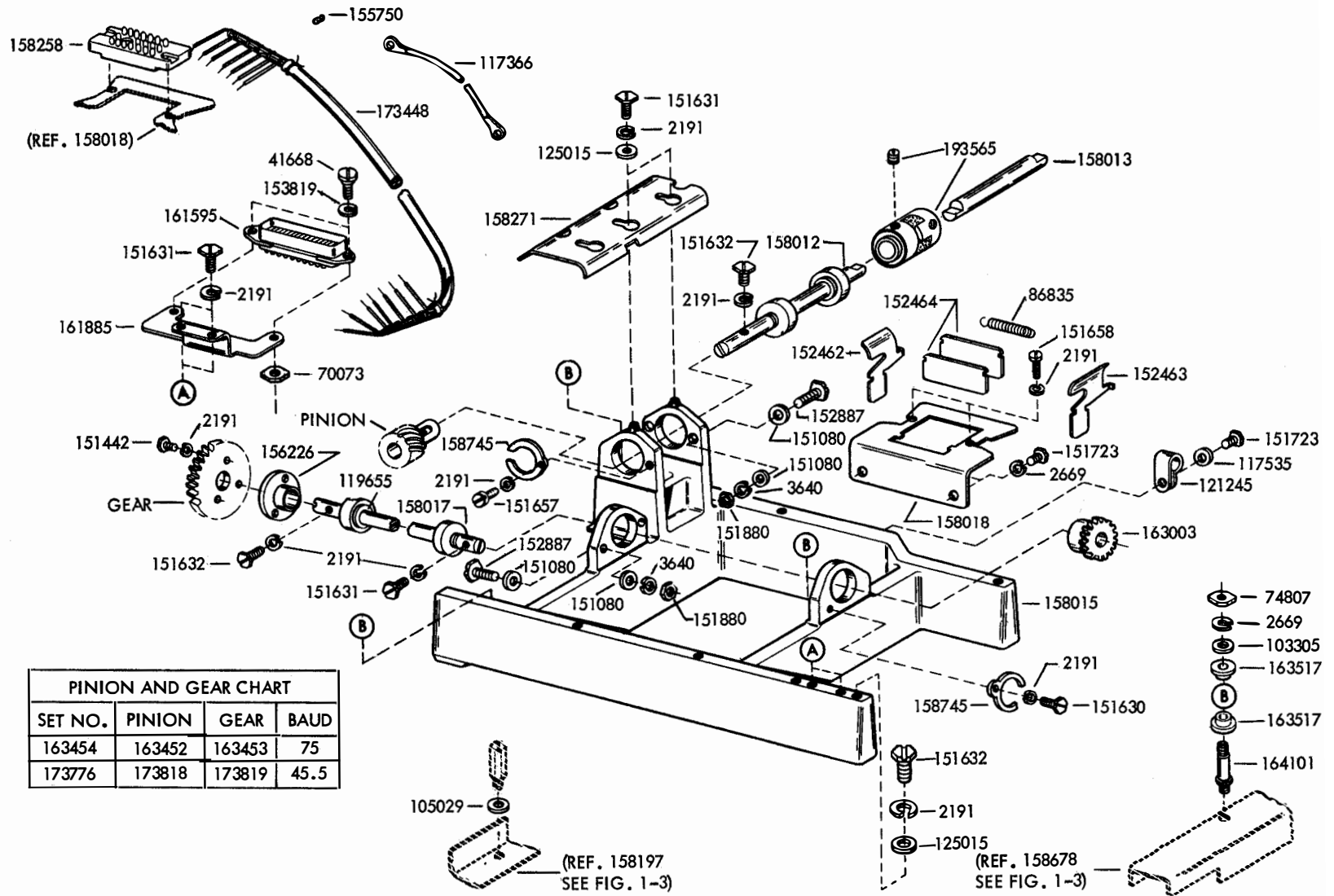
NUMERICAL INDEX - SECTION 3

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
170385	Frame 3-12	174422	Filter, R.F. 3-16	195158	Bracket 3-26
170386	Guide 3-14	176405	Modification Kit 3-24	195187	Screw (4-40 x 1-1/2 Hex) 3-16
170391	Guide 3-14	176406	Bracket 3-24	195327	Bracket 3-26
172978	Cover, Contact 3-10	176407	Lever 3-24	195417	Shaft, Driven 3-26
173096	Stud, Eccentric 3-15	176436	Cam 3-17	198679	Bracket 3-25
173453	Cable Assembly 3-3	176944	Plate, Nut 3-25	198680	Screw, Clamping (10-32) 3-26
173454	Cable Assembly 3-10	177005	Contact Assembly 3-10	304197	Shift Assembly, Gear 3-26
173508	Gear (66T) 3-21	178491	Bail 3-15	304207	Gear (28T) 3-26
173645	Coupling 3-20	178492	Lever 3-15	304208	Gear (65T) 3-26
173711	Cable Assembly 3-18	178493	Latch 3-15	304209	Gear (20T) 3-26
173712	Cable Assembly 3-3	178494	Spring, Torsion 3-15	304210	Gear (51T) 3-26
173793	Gear (100T) 3-7	178725	Spring 3-19	304211	Gear (26T) 3-26
173794	Pinion (14T) 3-7	178726	Bracket, Spring 3-19	304212	Gear (55T) 3-26
173795	Gear Set 3-7	178728	Modification Kit to Eliminate Operational Failure of the Character Counter 3-19	304213	Bracket, Left 3-25
173842	Stud 3-26	178849	Cord Assembly 3-19	304214	Bracket, Mounting 3-25
174250	Pin, Roll 3-26	178851	Pulley 3-19	304220	Shaft W/Gear 3-25
174314	Cable W/Terminals 3-23	179110	Cable Assembly 3-25	304221	Label 3-25
174410	Box Assembly, Contact 3-16	179258	Bracket, Scale 3-19	304222	Window, Plastic 3-25
174411	Insulator 3-16	179278	Drum, Ratchet 3-19	304228	Bracket, Connector 3-25
174412	Spacer 3-16	179279	Bracket 3-19	304229	Plate 3-25
174413	Terminal 3-16	179279	Bracket 3-19	304658	Gear (42T) 3-26
174414	Bushing 3-16	179383	Bracket 3-6	304659	Gear (65T) 3-26
174415	Cover, Contact Box 3-16	192629	Shaft 3-21	305695	Base 3-25
174416	Box, Contact 3-16	193565	Coupling 3-21	305700	Bracket 3-25
174421	Filter, R.F. 3-16	193654	Clamp, Armature 3-22		

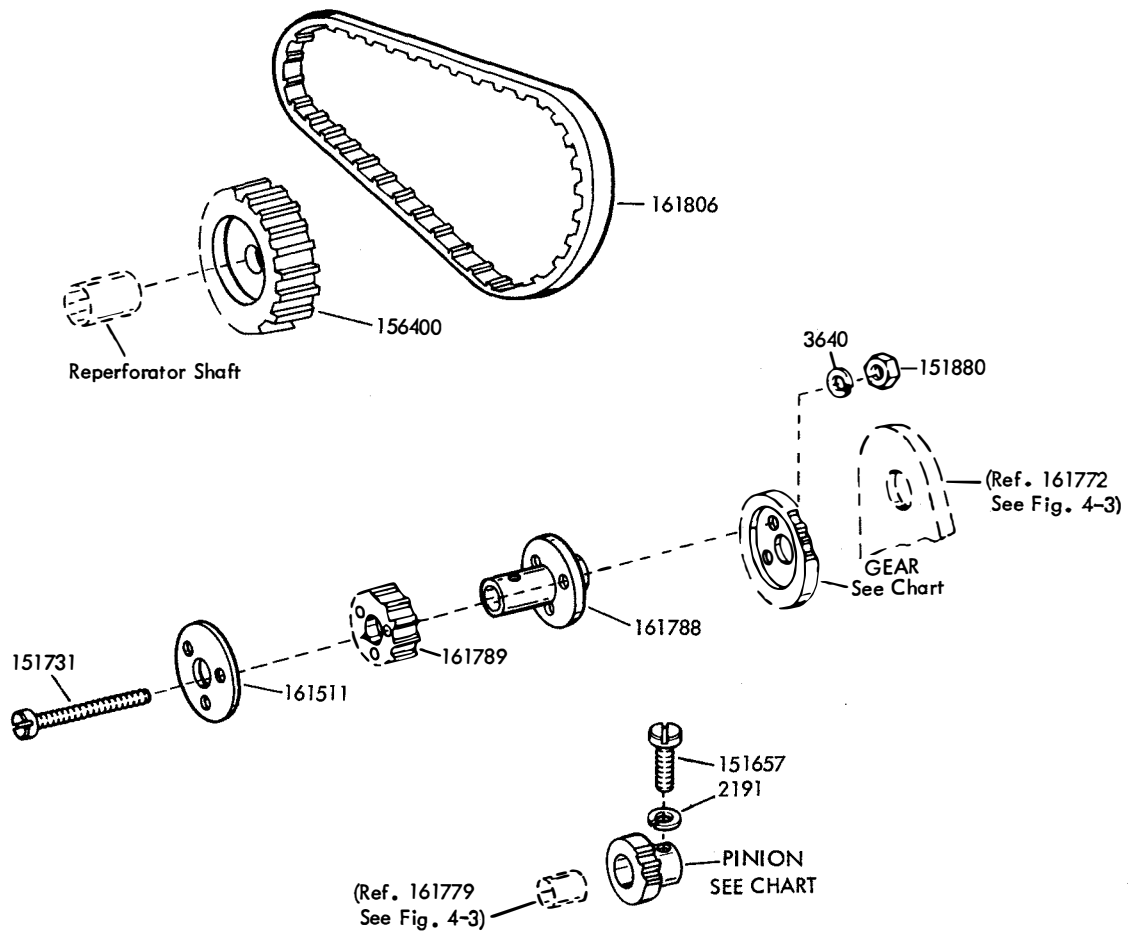
SECTION 4

BASE

FIGURE 4-1. TRANSMITTER DISTRIBUTOR BASE

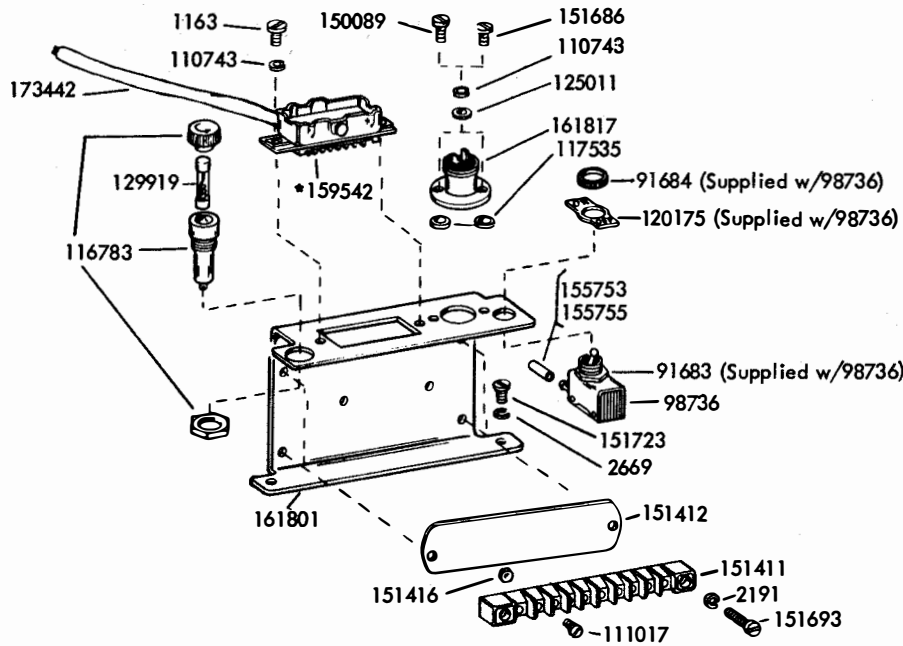
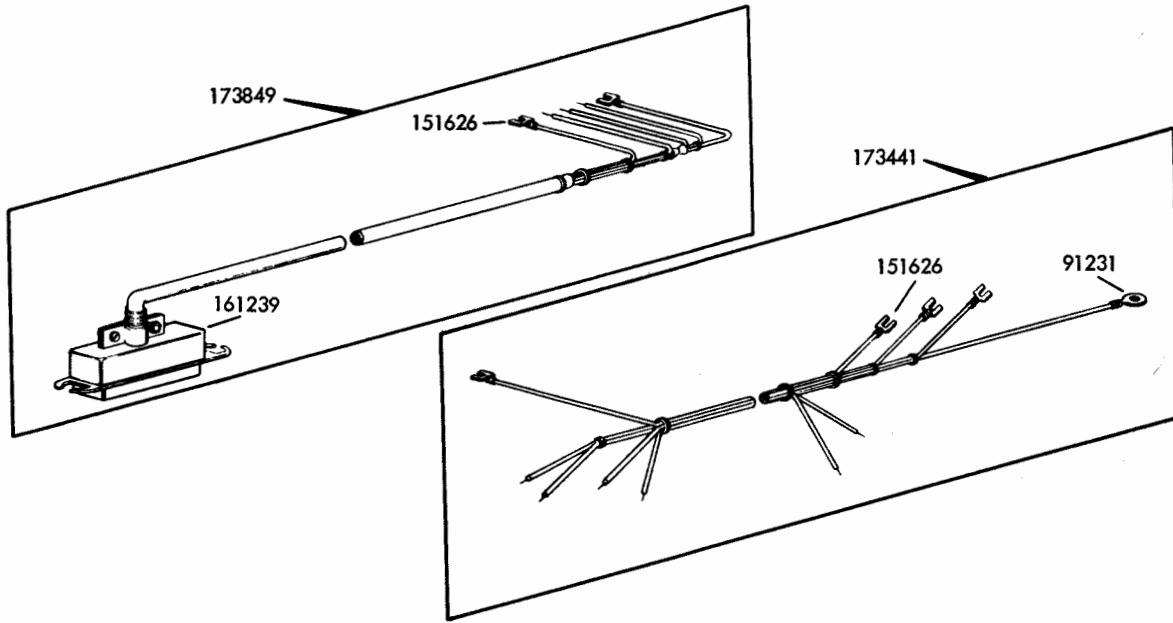


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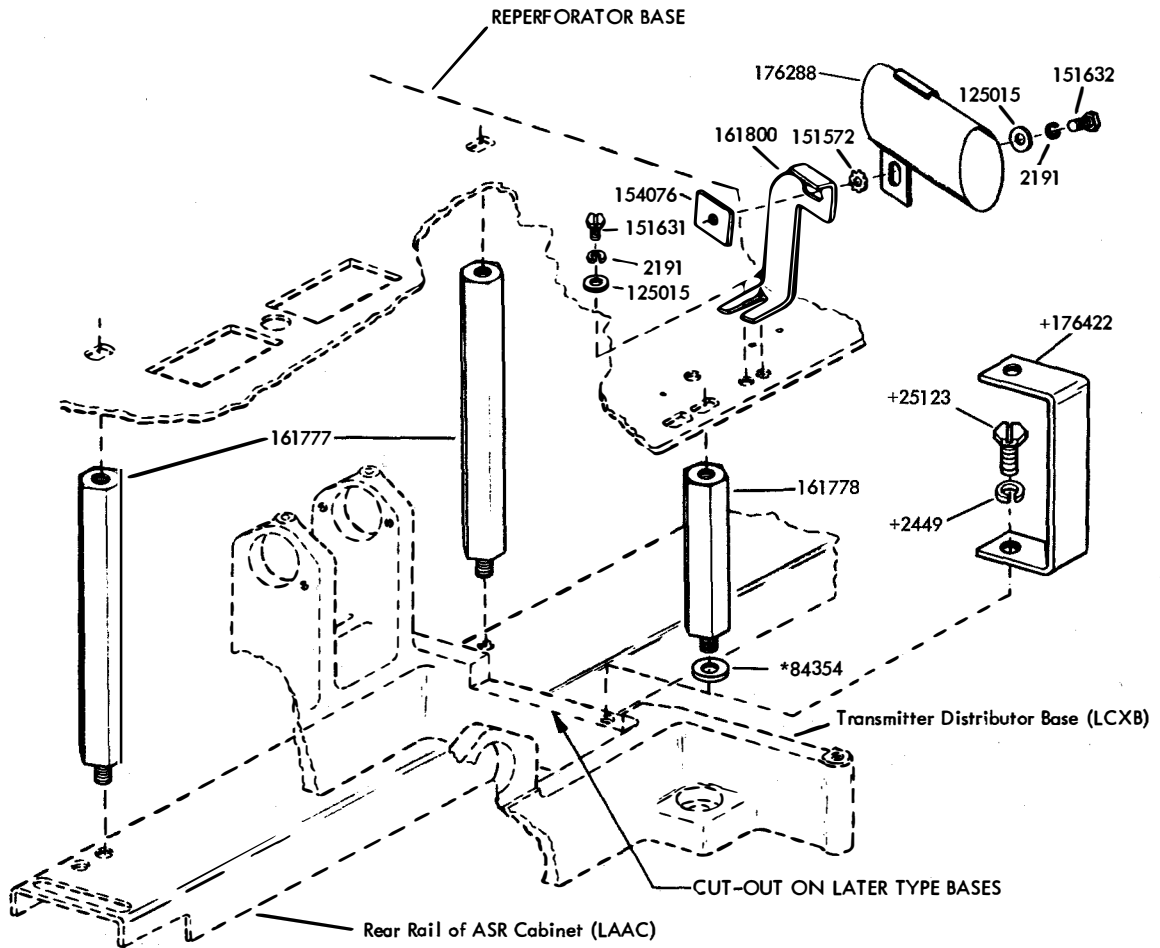
GEAR SETS			
SPEED (7.00 Unit Code)	SET NUMBER	PINION	GEAR
75 BAUD 643 OPM/107 WPM	163451	163449	163450
45.5 BAUD 390 OPM/65 WPM	173820	173821	173822

FIGURE 4-4. AUXILIARY REPERFORATOR BASE GEARS



*Part of 173442

FIGURE 4-5. ELECTRICAL COMPONENTS



SPECIFICATION 5929S

*NOT REQUIRED WHEN UNIT IS
EQUIPPED WITH BASE ISOLATION
PARTS.
+PARTS USED ON BASES
HAVING CUT-OUT

FIGURE 4-6. 176287 MODIFICATION KIT TO MOUNT AN AUXILIARY TYPING REPERFORATOR

NUMERICAL INDEX - SECTION 4

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1163	Screw (4-40 x 3/16 Fil) 4-6	129919	Fuse (4 Amp) 4-6	153539	Screw (6-40 x 11/16 Hex) 4-3
1210	Screw (2-56 x 5/8 Fil) 4-3	130499	Bearing, Ball 4-4	153819	Washer, Lock 4-2, 4-3
2191	Washer, Lock 4-2 to 4-7	131097	Terminal 4-3	154076	Plate, Nut 4-7
2415	Spring 4-3	150089	Screw (4-40 x 1/2 Fil) 4-6	155750	Sleeve, Insulating (3/32 ID x 1/2 LG) 4-2, 4-3
2449	Washer, Lock 4-3, 4-7	150949	Plate, Identification (SERIAL) 4-3	155753	Sleeve, Insulating (1/8 ID x 1/2 LG) 4-6
2669	Washer, Lock 4-2, 4-3, 4-4, 4-6	150950	Plate, Identification (CODE) 4-3	155755	Sleeve, Insulating (11/64 ID x 5/8 LG) 4-6
3438	Washer, Flat 4-3	150992	Stud 4-3	156226	Hub 4-2
3598	Nut (6-40 Hex) 4-3,	151080	Washer, Flat 4-2, 4-4	156400	Pulley, Toothed (28) 4-5
3606	Nut (6-40 Hex) 4-3, 4-4	151229	Washer, Flat 4-3	156448	Bushing 4-3
3640	Washer, Lock 4-2, 4-3, 4-5	151346	Screw (6-40 x 3/8 Fil) 4-4	156449	Lever, Switch 4-3
7002	Washer, Flat 4-3	151411	Block, Terminal 4-6	156451	Bushing 4-3
8449	Spacer (.094") 4-3	151412	Insulator (1-9) 4-6	156588	Ring, Retaining 4-4
25123	Screw(1/4-32x7/16 Hex) 4-7	151416	Nut (6-40 Hex) 4-6	156769	Plate, Identification (TELETYPE) 4-3
41668	Screw, Shoulder (3-48) 4-2	151442	Screw (6-40 x 1/2 Hex) 4-2, 4-3, 4-4	158012	Shaft w/Bearing 4-2
70073	Nut (3-48 Hex) 4-2	151572	Washer, Lock 4-7	158013	Shaft, Coupler 4-2
71073	Washer, Flat 4-3	151606	Screw (10-32 x 1/4 Hex) 4-4	158015	Base 4-2
71858	Washer, Flat 4-3	151626	Terminal 4-3, 4-6	158017	Shaft 4-2
74807	Nut (10-32 Hex) 4-2	151630	Screw (6-40 x 1/4 Hex) 4-2, 4-3, 4-4	158018	Bracket 4-2
76461	Washer, Flat 4-3	151631	Screw (6-40 x 5/16 Hex) 4-2, 4-3, 4-4, 4-7	158163	Switch, Sensitive 4-3
82832	Washer, Lock 4-3	151632	Screw (6-40 x 3/8 Hex) 4-2, 4-3, 4-4, 4-7	158197	Angle, Left Base 4-2
84354	Washer, flat 4-7	151657	Screw (6-40 x 1/4 Fil) 4-2, 4-5	158239	Lever, Tape 4-3
86835	Spring 4-2	151658	Screw (6-40 x 5/16 Fil) 4-2, 4-4	158258	Connector, Plug (19 Pt) 4-2
90606	Spring 4-3	151686	Screw (4-40 x 3/8 Fil) 4-6	158271	Guard, Gear 4-2
91231	Terminal 4-6	151693	Screw (6-40 x 9/16 Fil) 4-6	158289	Reel, Tape 4-3
91683	Nut (15/32-32 Hex) 4-6	151723	Screw (10-32 x 3/8 Hex) 4-2, 4-3, 4-6	158678	Rail, Rear Base 4-2
91684	Nut (15/32-32 Ring) 4-6	151731	Screw (4-40 x 7/8 Fil) 4-5	158745	Clamp, Bearing 4-2, 4-4
92146	Nut (1/4-20 Hex) 4-3	151733	Screw (4-40 x 9/16 Fil) 4-3	158807	Screw (3-48 x 11/64 Fil) 4-3
92265	Screw (2-56 x 1/8 Rd) 4-3	151733	Screw (4-40 x 9/16 Fil) 4-3	159287	Retainer ,Pinion 4-4
93117	Washer, Lock 4-3	151880	Nut (4-40 Hex) 4-2, 4-5	159341	Bearing, Ball 4-4
98736	Switch, Toggle (SP-ST)4-6	152462	Latch, Right 4-2	159542	Connector, Receptacle (16 Pt) 4-6
101633	Washer, Flat 4-4	152463	Latch, Left 4-2	161239	Connector, Plug (36 Pt) 4-6
103305	Washer, Flat 4-2	152464	Insulator (.062") 4-2	161301	Post 4-4
105029	Washer, Flat 4-2	152887	Screw (4-40 x 1/2 Hex) 4-2	161505	Stud 4-3
110435	Nut (4-40 Hex) 4-3	152893	Screw (4-40 x 1/4 Hex) 4-4	161511	Retainer, Belt 4-5
110743	Washer, Lock 4-4, 4-6	153442	Screw (10-32 x 1/2 Hex) 4-3	161595	Connector, Receptacle (36 Pt) 4-2
111017	Screw (6-40 x 5/16 Fil) 4-6	153538	Screw (6-40 x 7/16 Hex) 4-3	161770	Bracket, Mounting 4-3
116783	Holder, Fuse 4-6			161772	Bracket 4-4
117366	Jumper (8-1/2" Green) 4-2			161773	Container, Tape 4-3
117535	Washer, Flat 4-2, 4-3, 4-6			161777	Stud ,Mounting 4-7
119655	Ring, Retaining 4-2			161778	Stud ,Mounting 4-7
120175	Plate (ON-OFF)4-6			161779	Shaft w/Bearing 4-4
121245	Clamp, Cable (5/16"ID)4-2			161780	Retainer 4-4
125011	Washer, Flat 4-6				
125015	Washer, Flat 4-2, 4-3, 4-4, 4-7				

NUMERICAL INDEX - SECTION 4 (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
161781	Hub 4-4	161818	Connector, Receptacle (2 Pt) 4-3	163587	Bracket, Mounting 4-3
161782	Gear (90T) 4-4	161819	Guard, Gear 4-4	164101	Stud, Shoulder 4-2
161783	Gear (45T) 4-4	161821	Cable Assembly 4-3	172966	Plate (T) 4-3
161787	Shaft w/Bearing 4-4	161826	Plate 4-3	173441	Cable W/Terminals 4-6
161788	Hub 4-5	161885	Bracket, Connector 4-2	173442	Cable Assembly 4-6
161789	Pulley, Toothed (16T) 4-5	161886	Cable Assembly 4-3	173448	Cable Assembly 4-2
161800	Bracket 4-7	162075	Reel, Tape 4-3	173776	Gear Set 4-2
161801	Bracket, Mounting 4-6	162730	Screw (1/4-20 x 7/16 Hex) 4-3	173818	Pinion (13) 4-2
161803	Guide, Tape 4-3	163003	Gear (20T) 4-2	173819	Gear (60T) 4-2
161804	Guide, Tape 4-3	163449	Pinion (27T) 4-5	173820	Gear Set 4-5
161805	Guard, Gear 4-4	163450	Gear (40T) 4-5	173821	Pinion (20) 4-5
161806	Belt, Timing 4-5	163451	Gear Set 4-5	173822	Gear (49T) 4-5
161809	Stud 4-4	163452	Pinion (20T) 4-2	173849	Cable Assembly 4-6
161817	Connector, Plug (2 Pt) 4-6	163453	Gear (56T) 4-2	176287	Modification Kit 4-7
		163454	Gear Set 4-2	176288	Guide, Tape 4-7
		163517	Bushing, Rubber 4-2	176422	Bracket, Mounting 4-7
				178426	Plate, Nut 4-3
				178427	Plate, Nut 4-3
				193565	Coupling 4-2



SECTION 5
TYPING REPERFORATOR

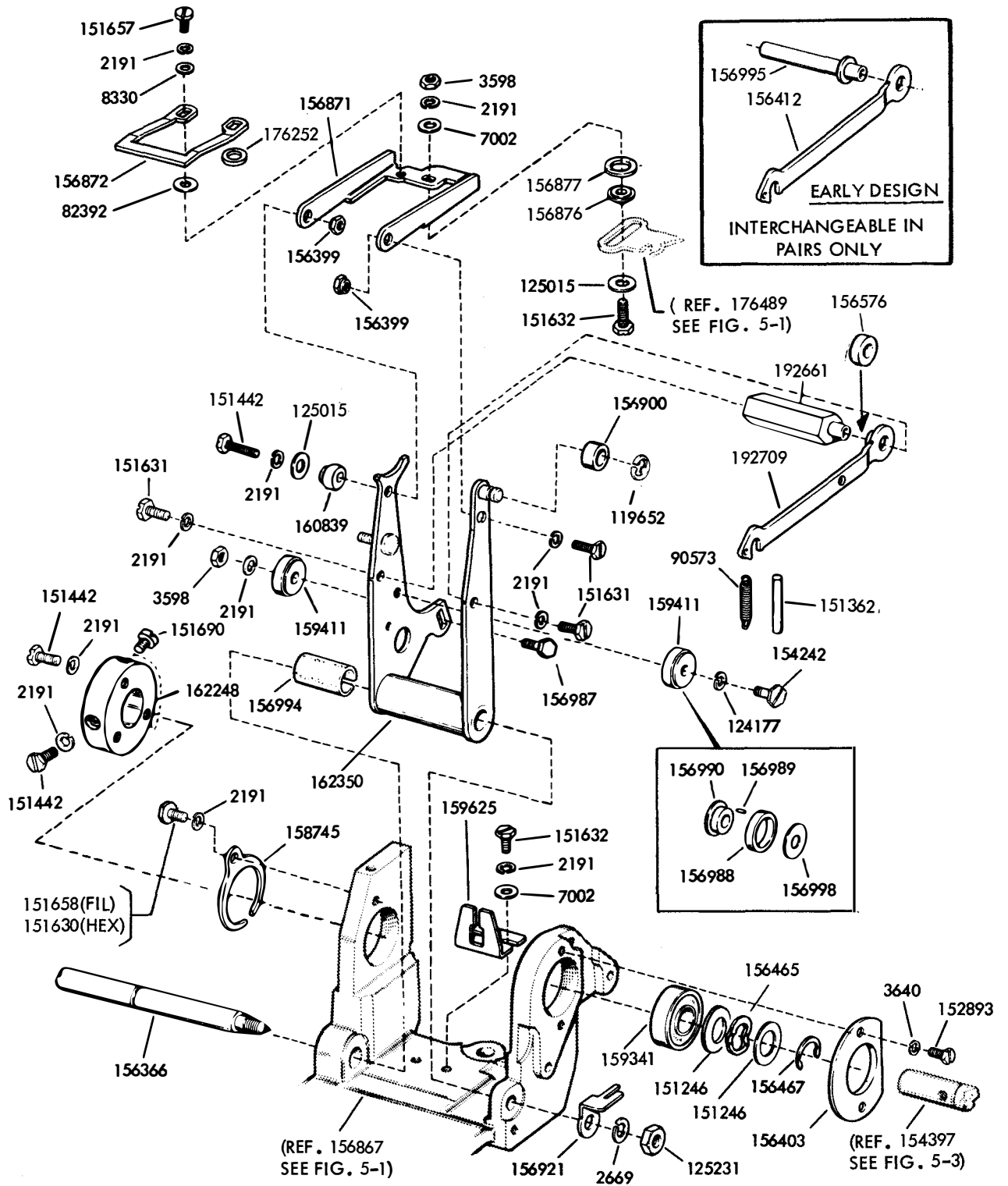
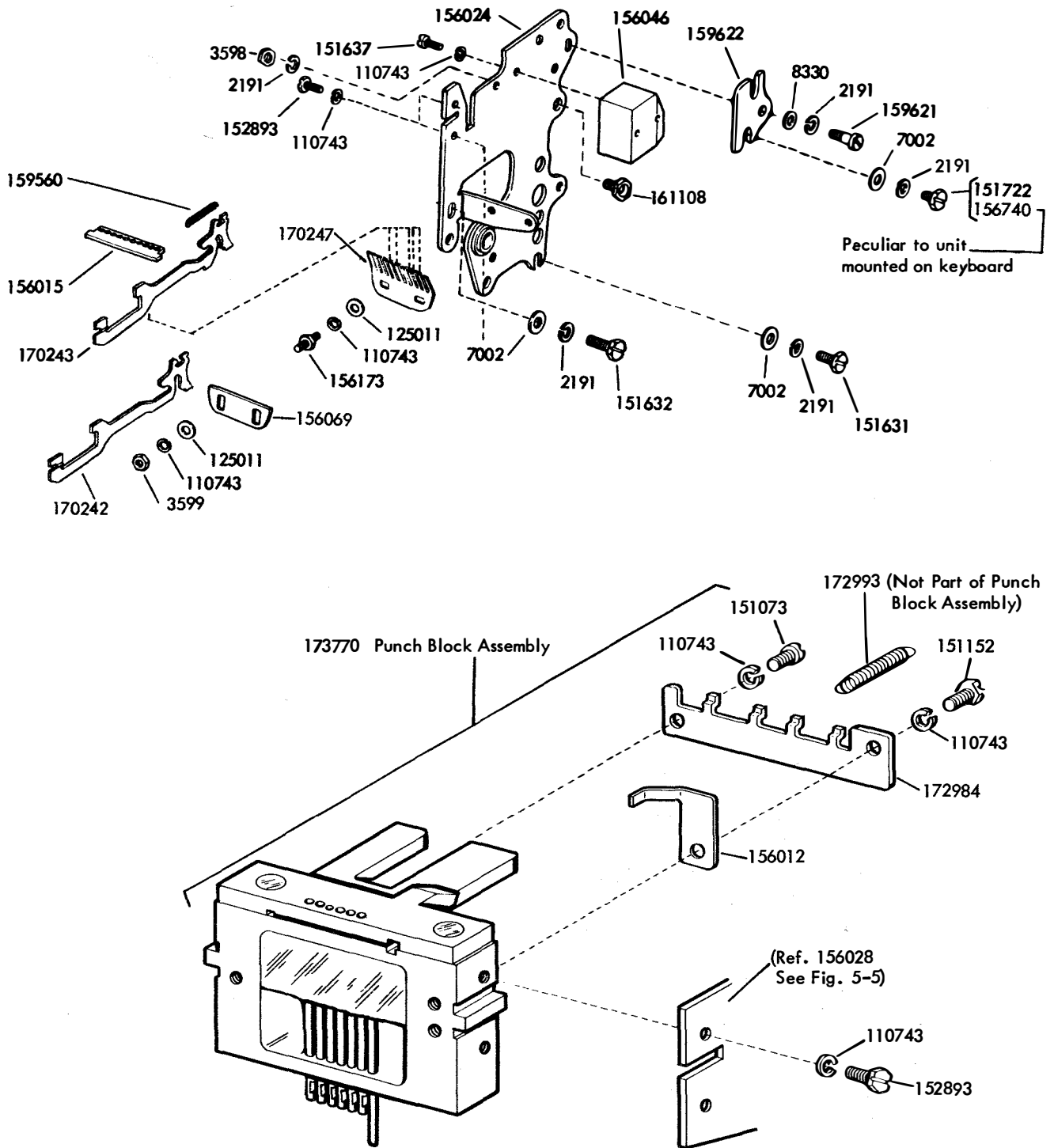


FIGURE 5-2. FRAME MECHANISM



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.

FIGURE 5-4. PUNCH REAR PLATE AND PUNCH BLOCK ASSEMBLY

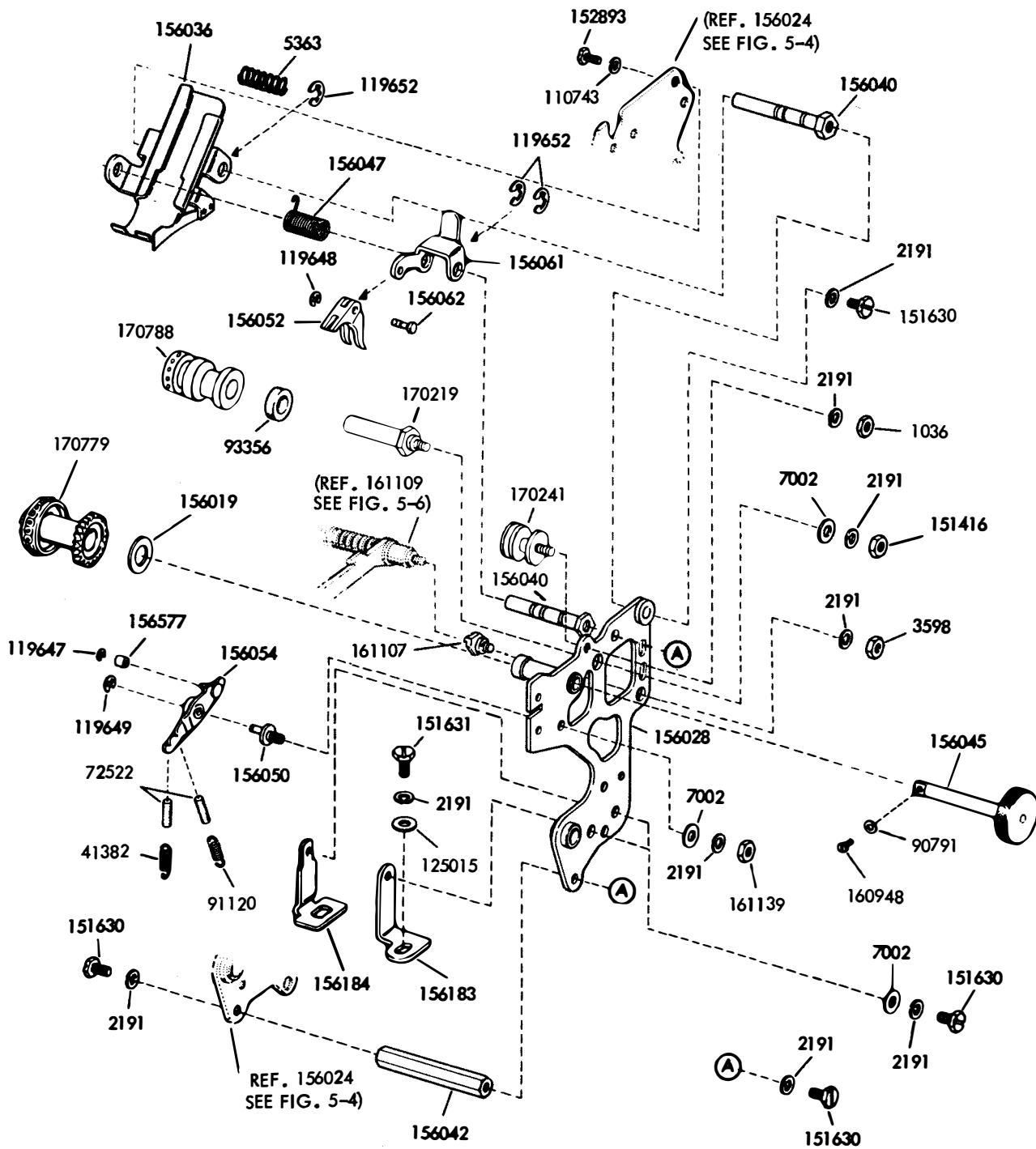


FIGURE 5-5. PUNCH FRONT PLATE MECHANISM

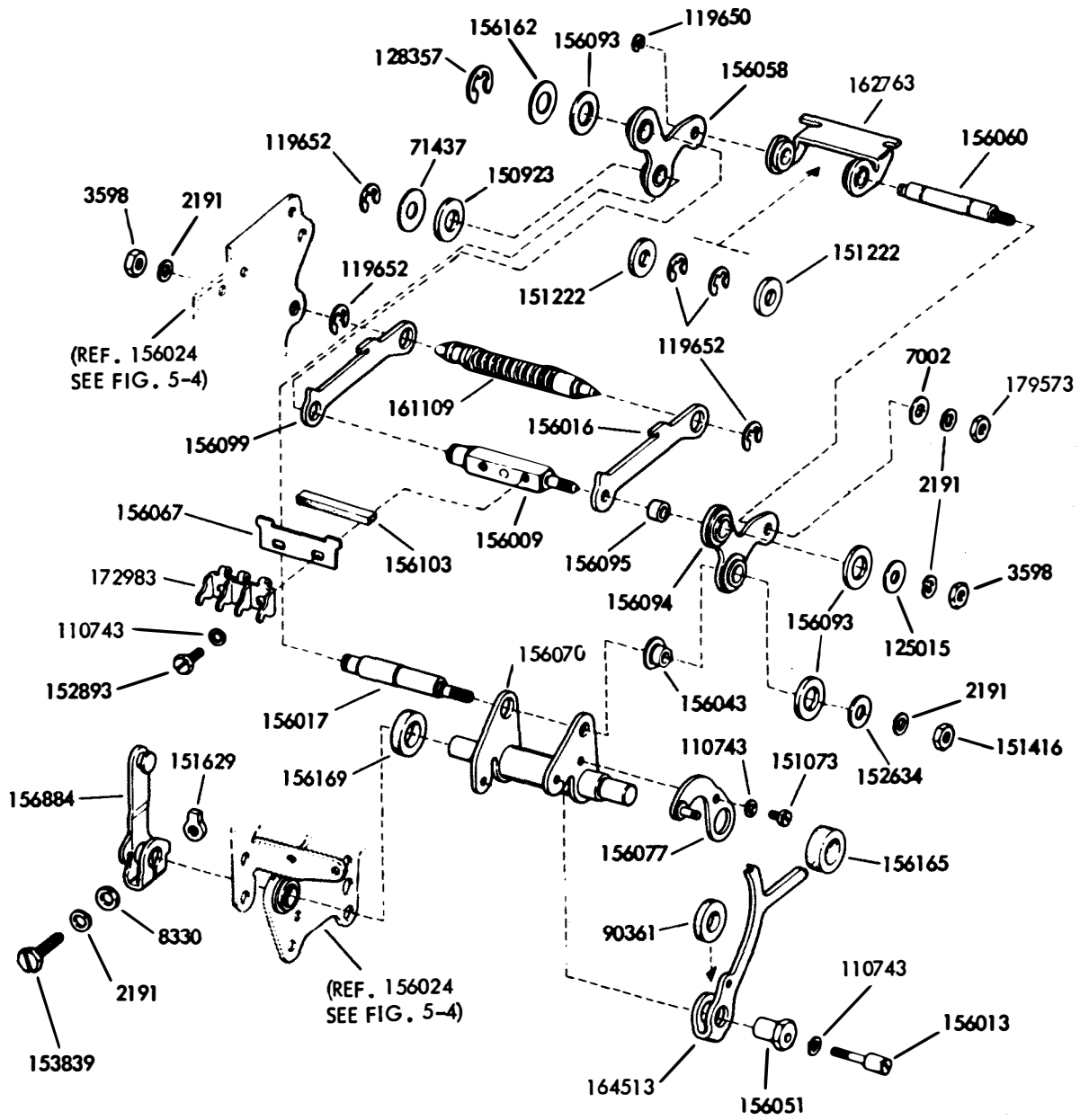


FIGURE 5-6. PUNCH BAIL MECHANISM

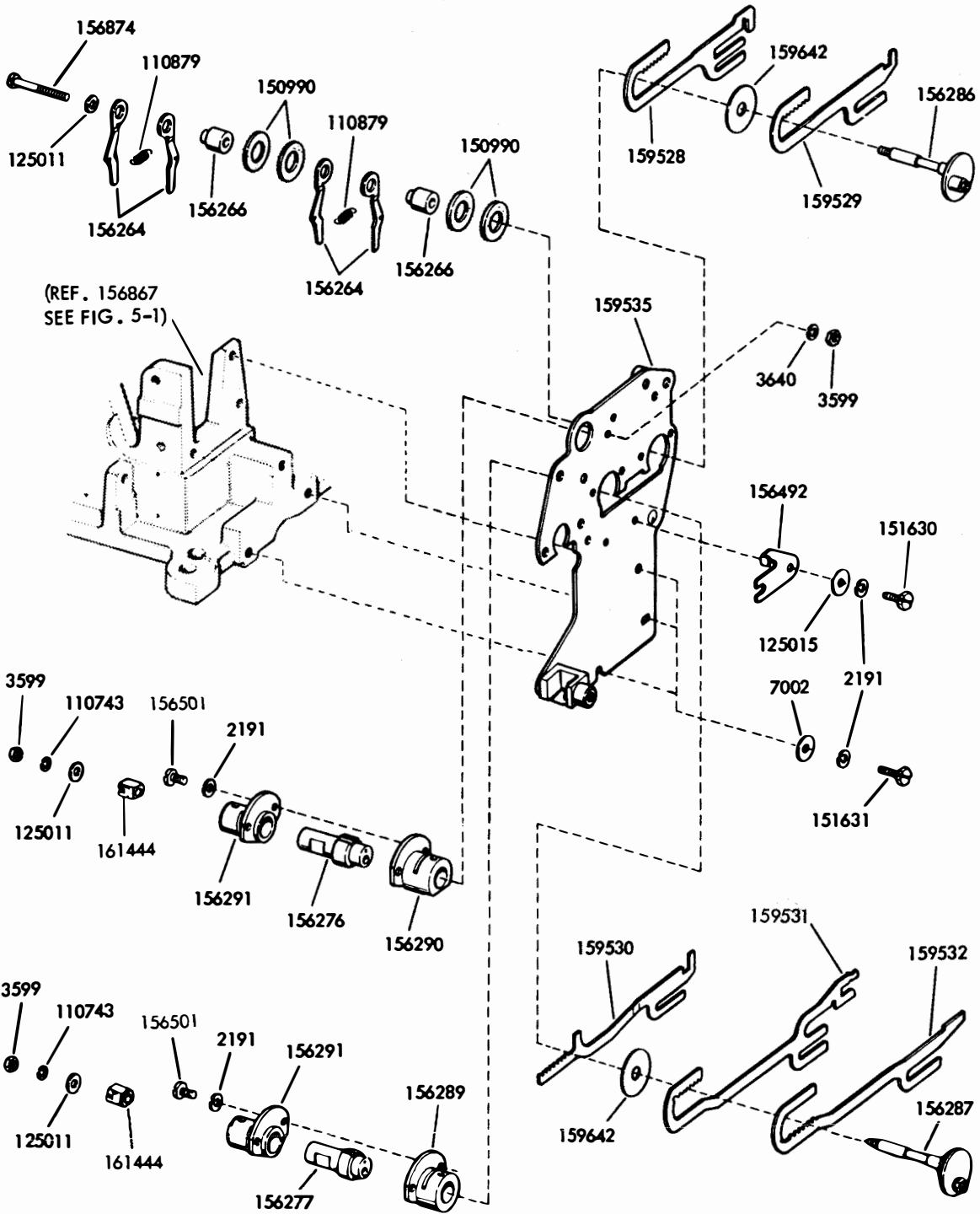


FIGURE 5-7. ROTARY POSITIONING MECHANISM

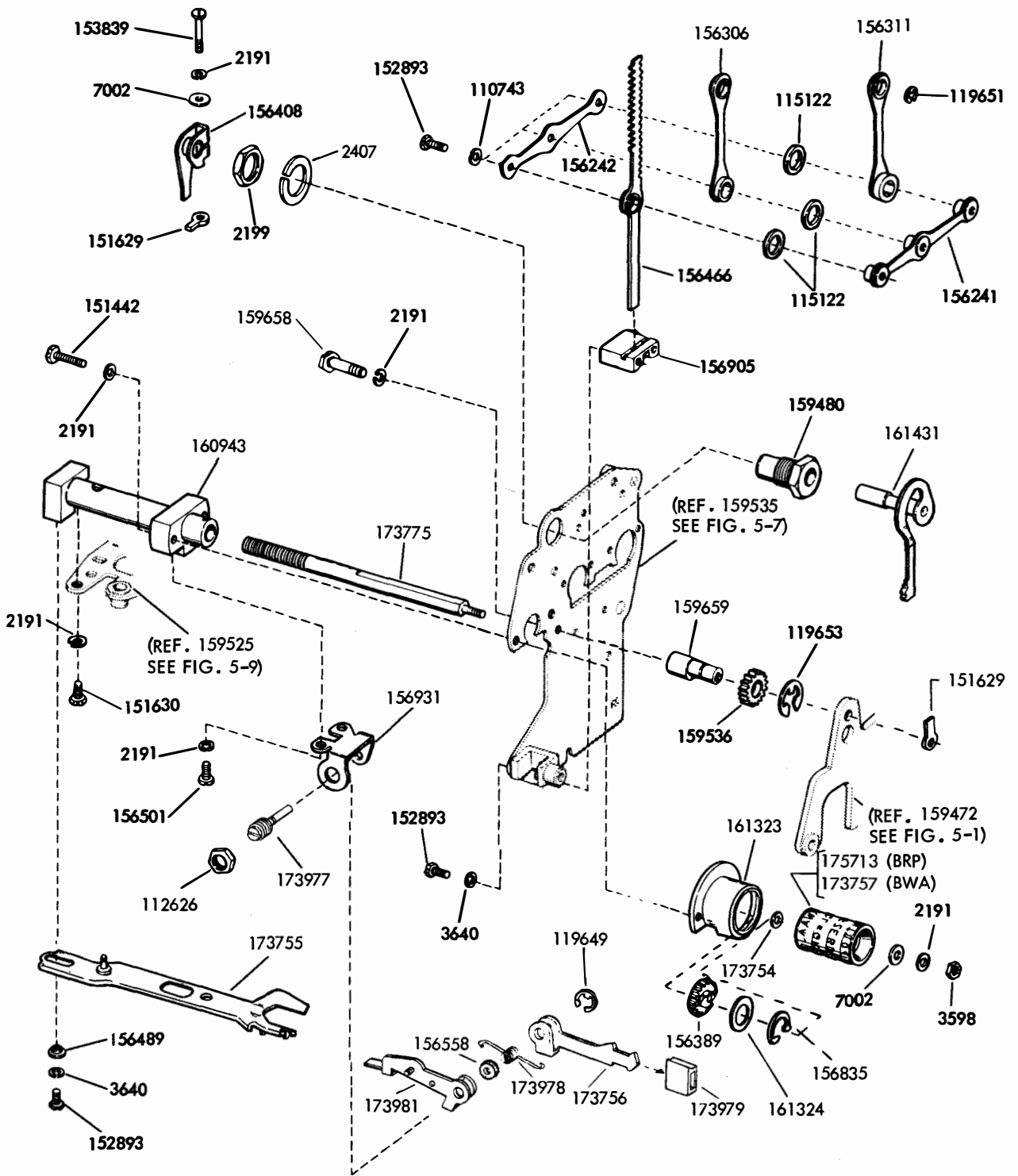


FIGURE 5-8. ROTARY POSITIONING MECHANISM

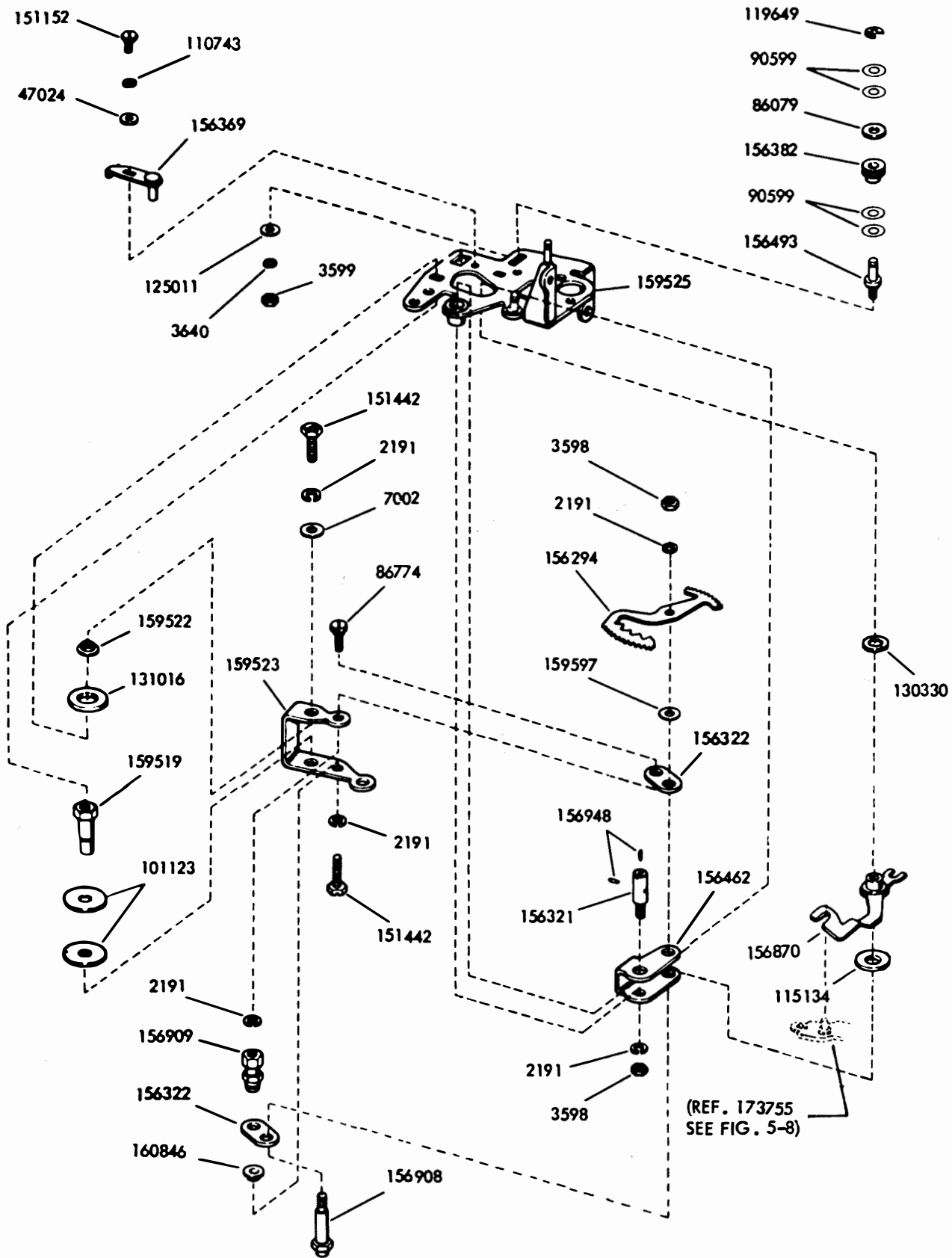


FIGURE 5-9. AXIAL POSITIONING MECHANISM

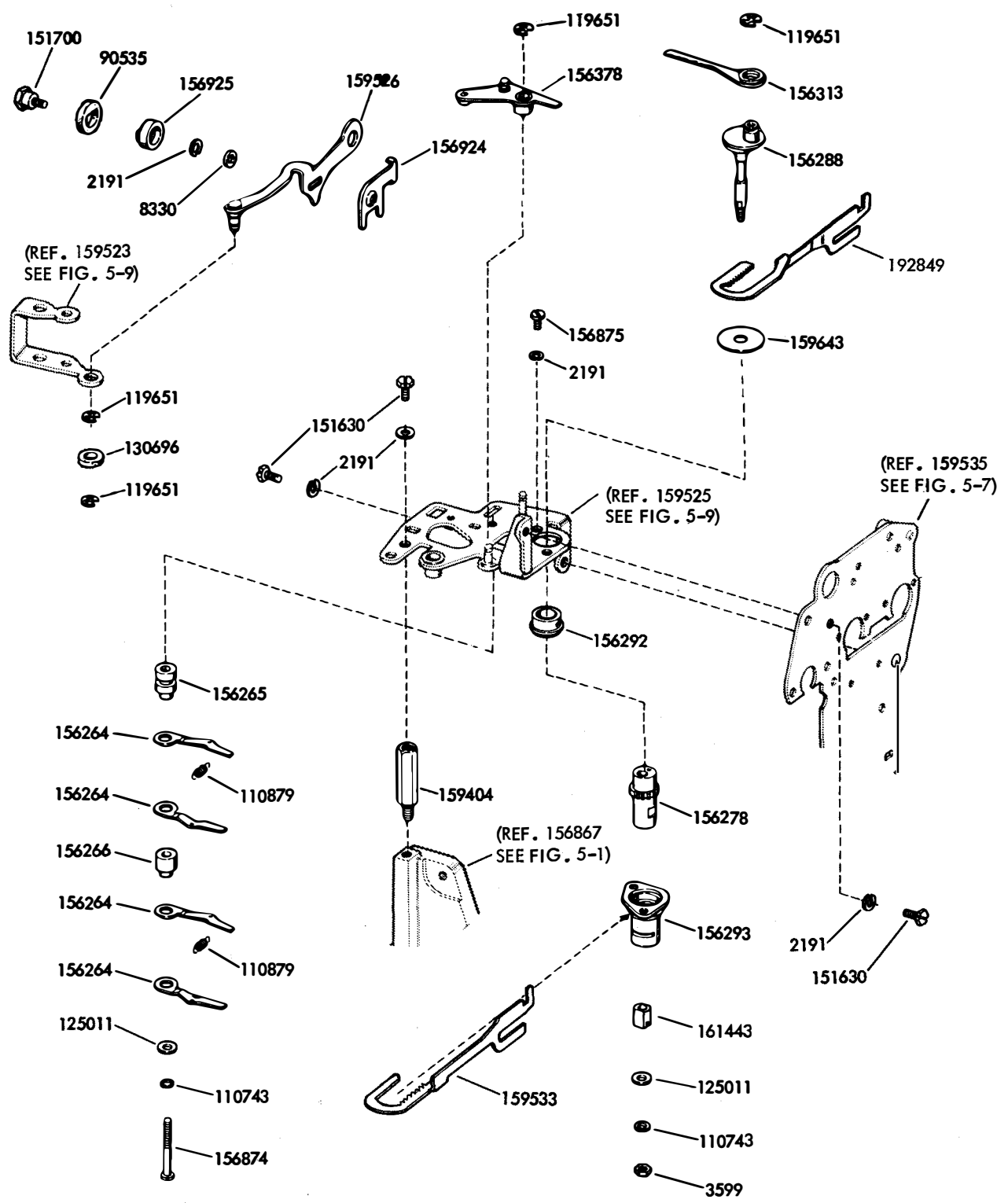


FIGURE 5-10. AXIAL POSITIONING MECHANISM

270B

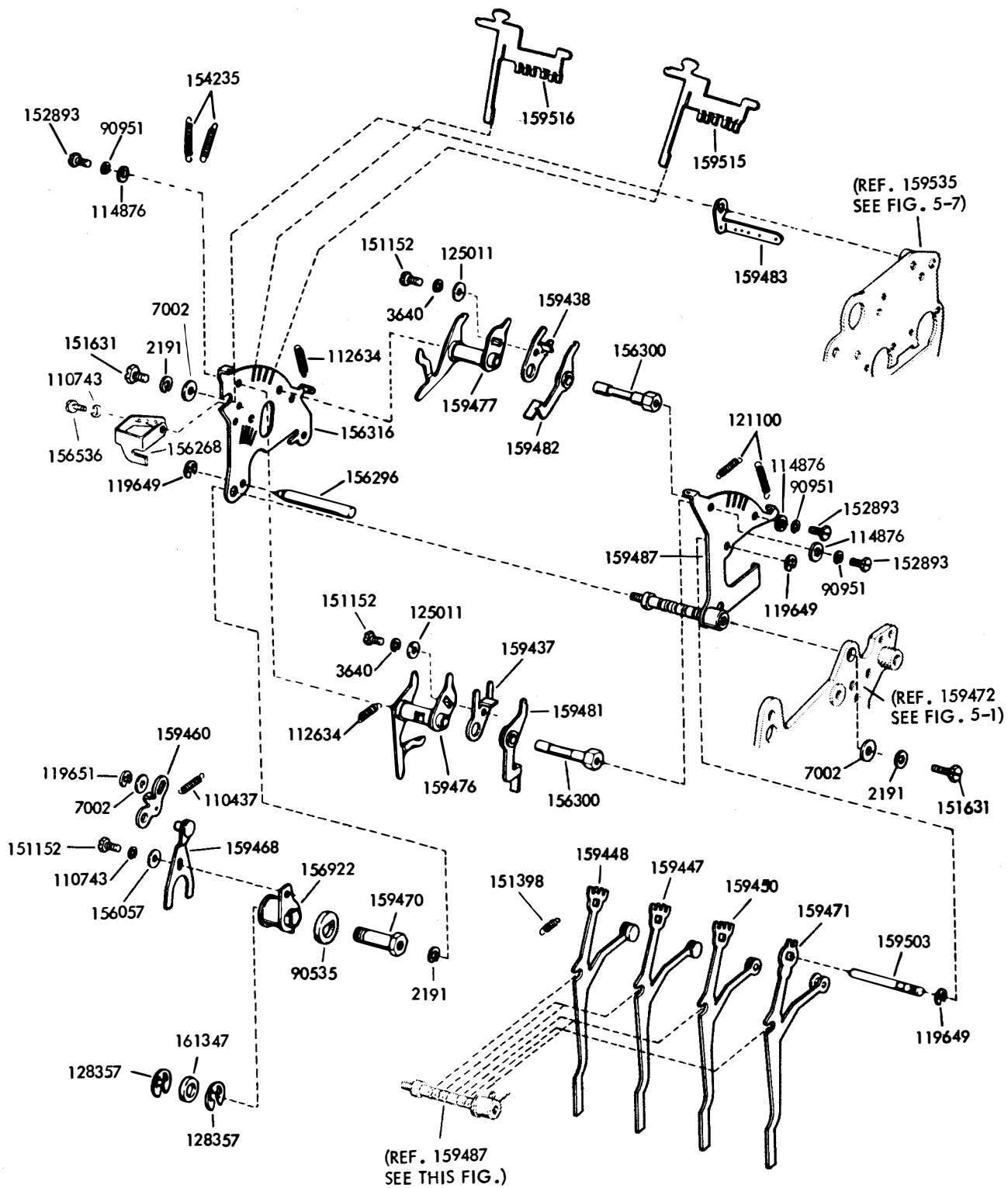


FIGURE 5-11. FUNCTION BOX MECHANISM

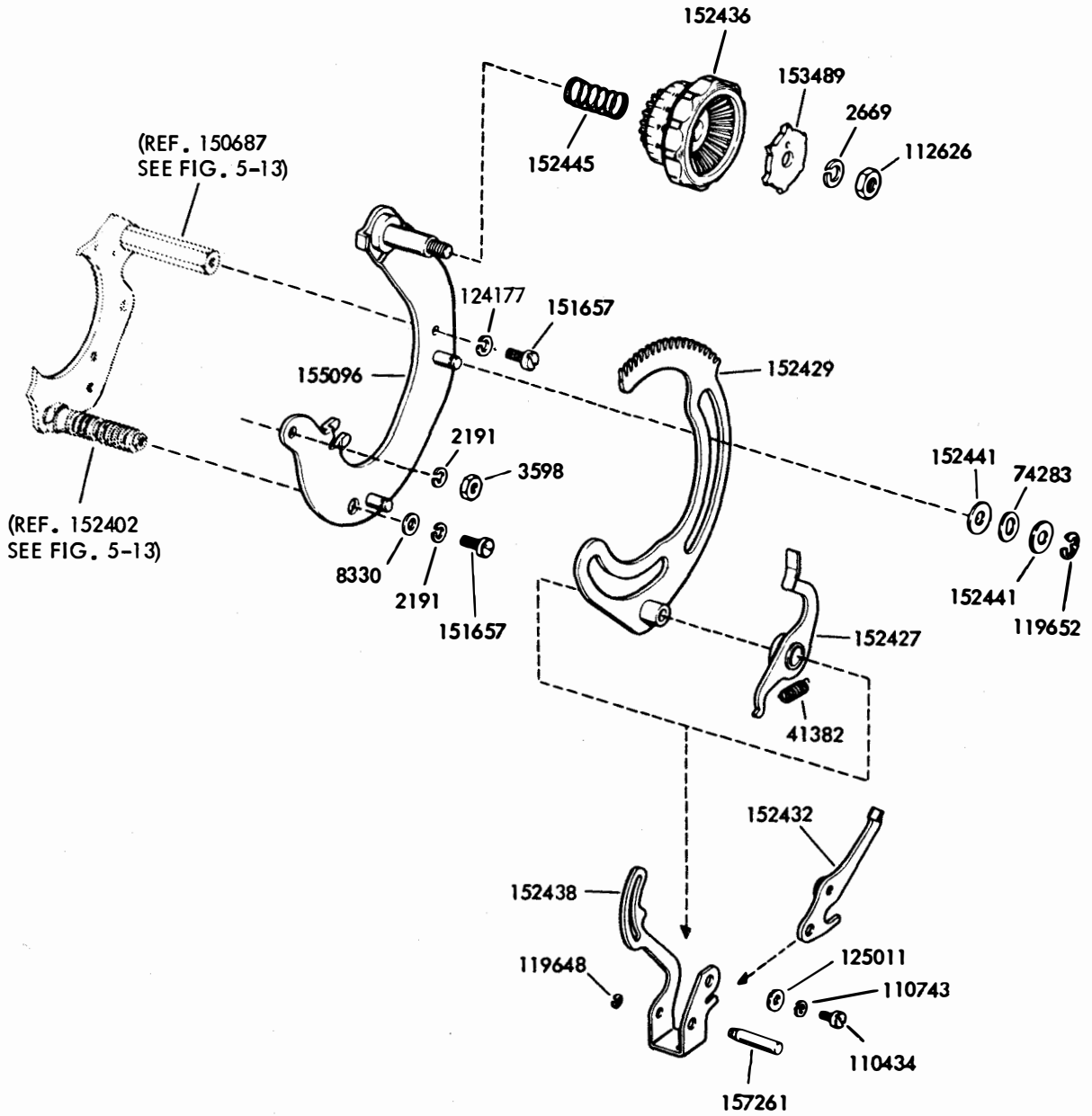
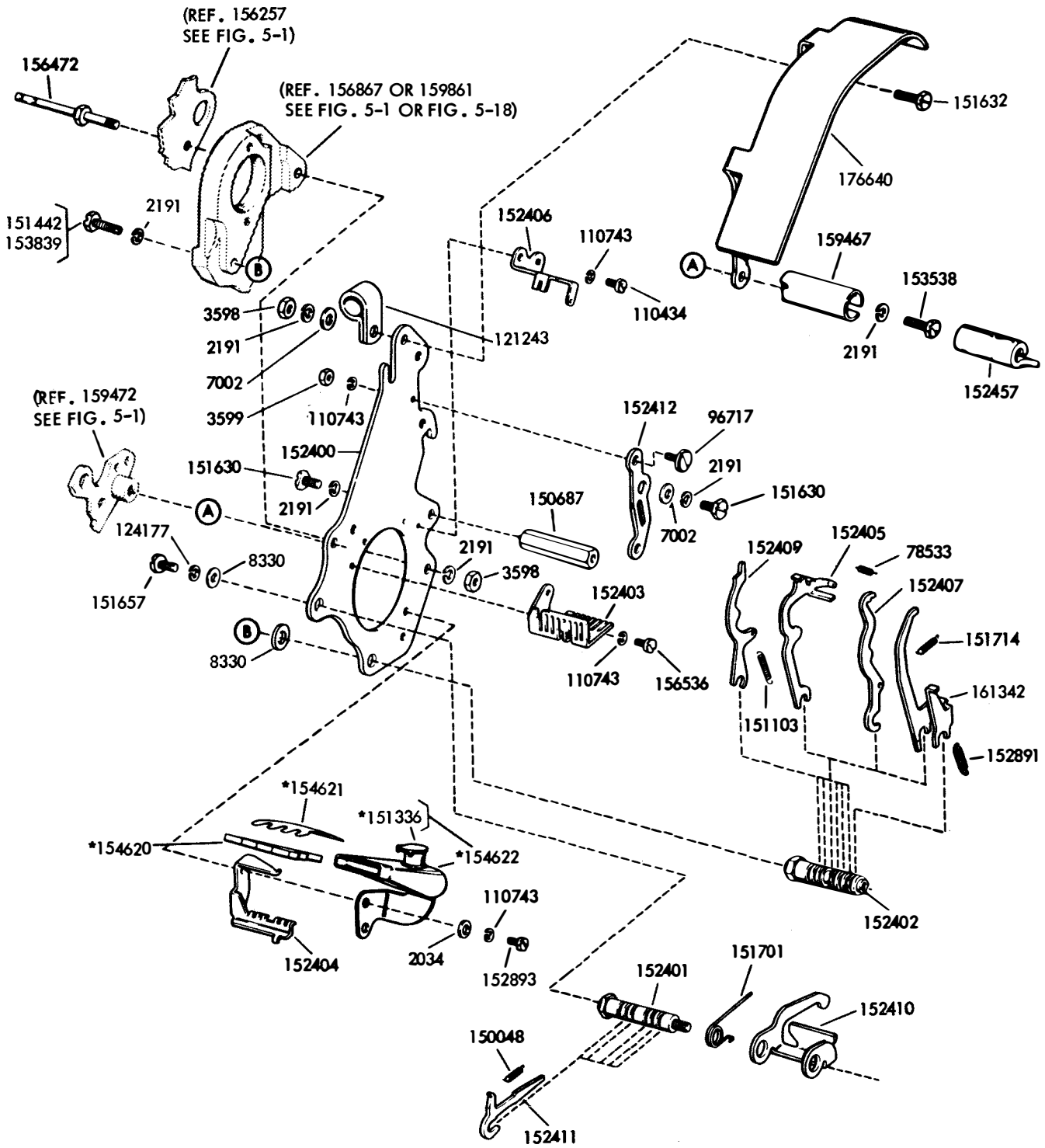


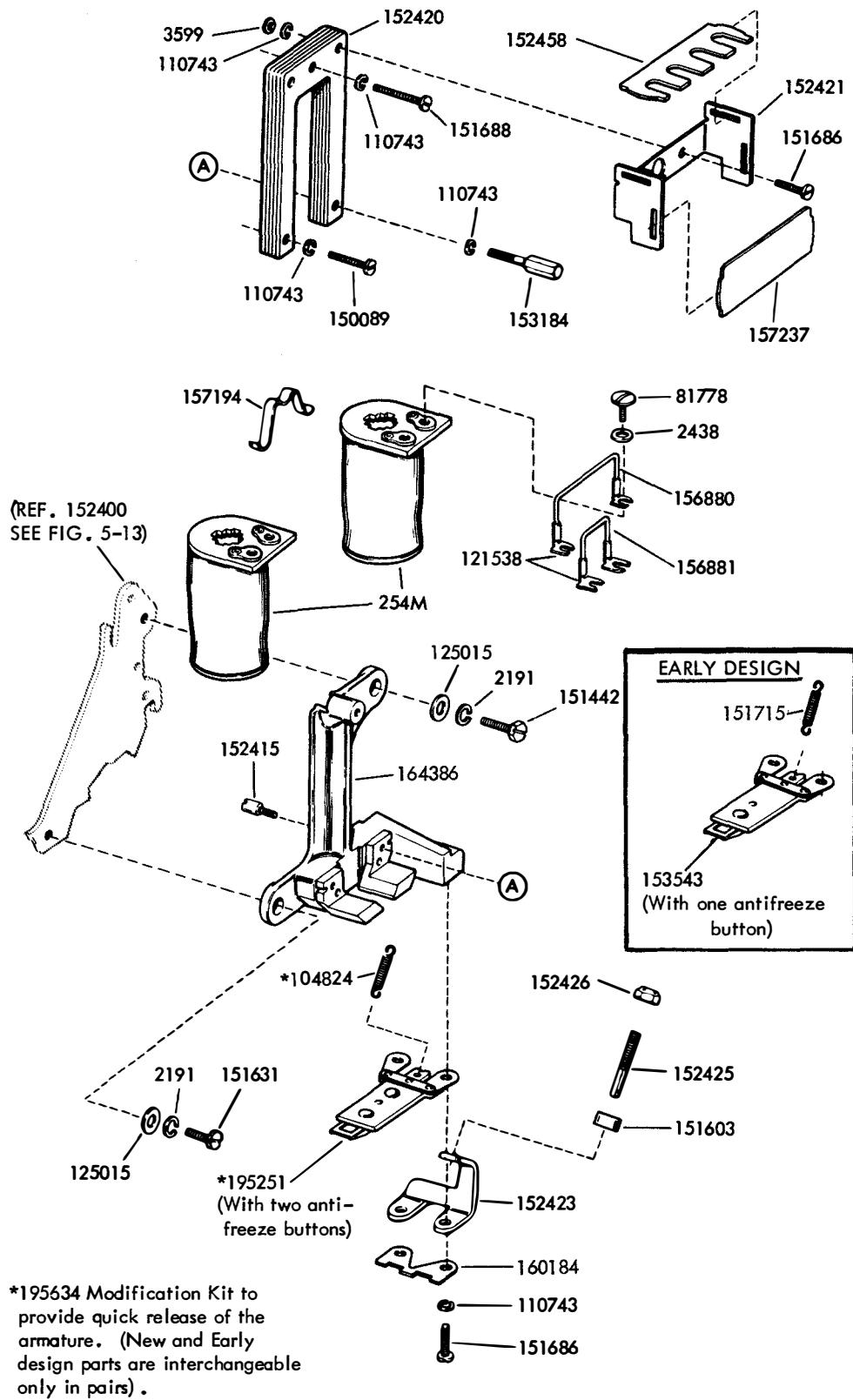
FIGURE 5-12. RANGE FINDER MECHANISM



*SEE FIG. 7-4 FOR KEYBOARD
REPERFORATOR PARTS

FIGURE 5-13. SELECTING MECHANISM

270B



*195634 Modification Kit to provide quick release of the armature. (New and Early design parts are interchangeable only in pairs).

FIGURE 5-14. SELECTING MAGNET MECHANISM

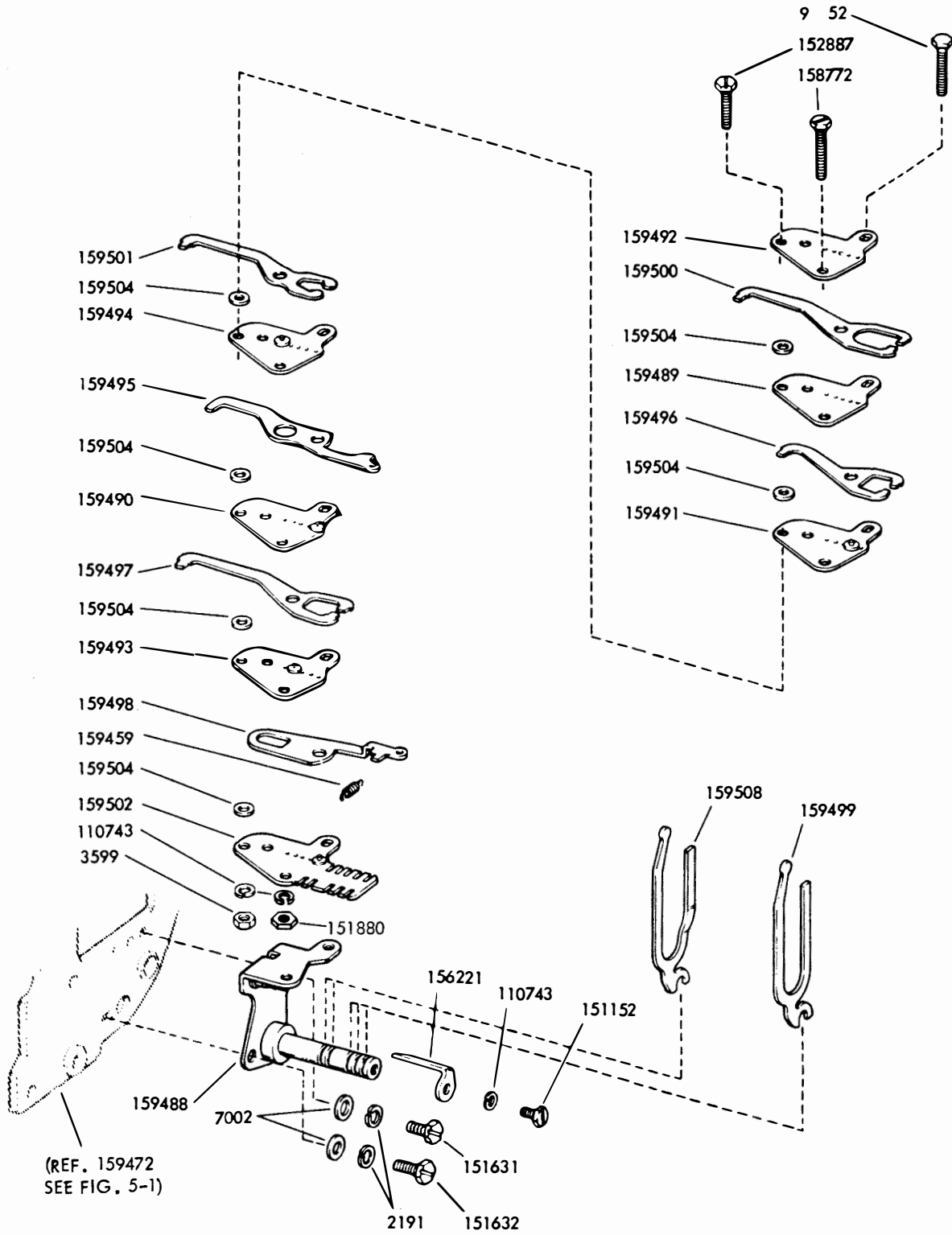
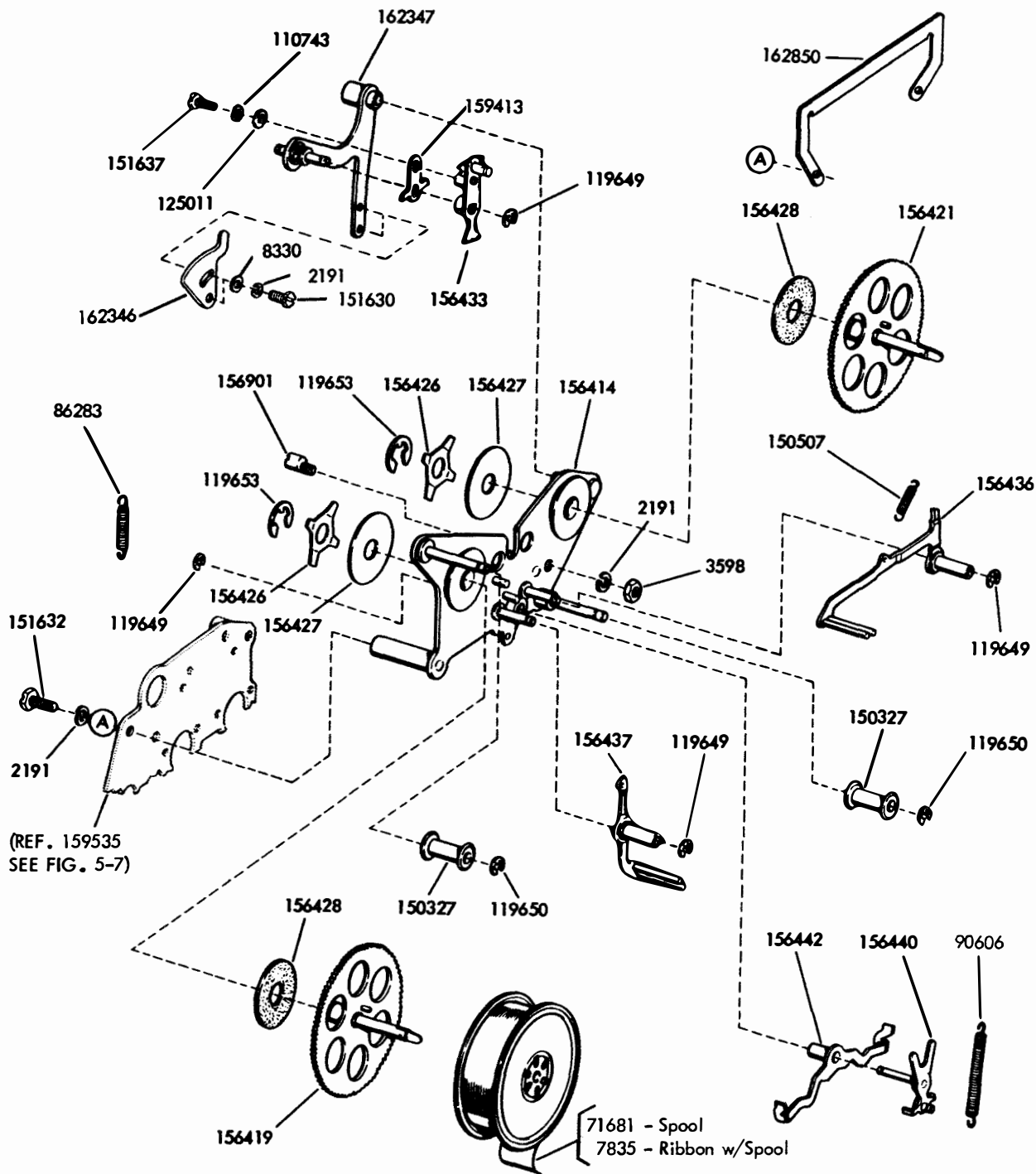


FIGURE 5-15. TRANSFER MECHANISM



SEE FIGURE 5-23. FOR LATER DESIGN

FIGURE 5-16. EARLY DESIGN RIBBON FEED MECHANISM

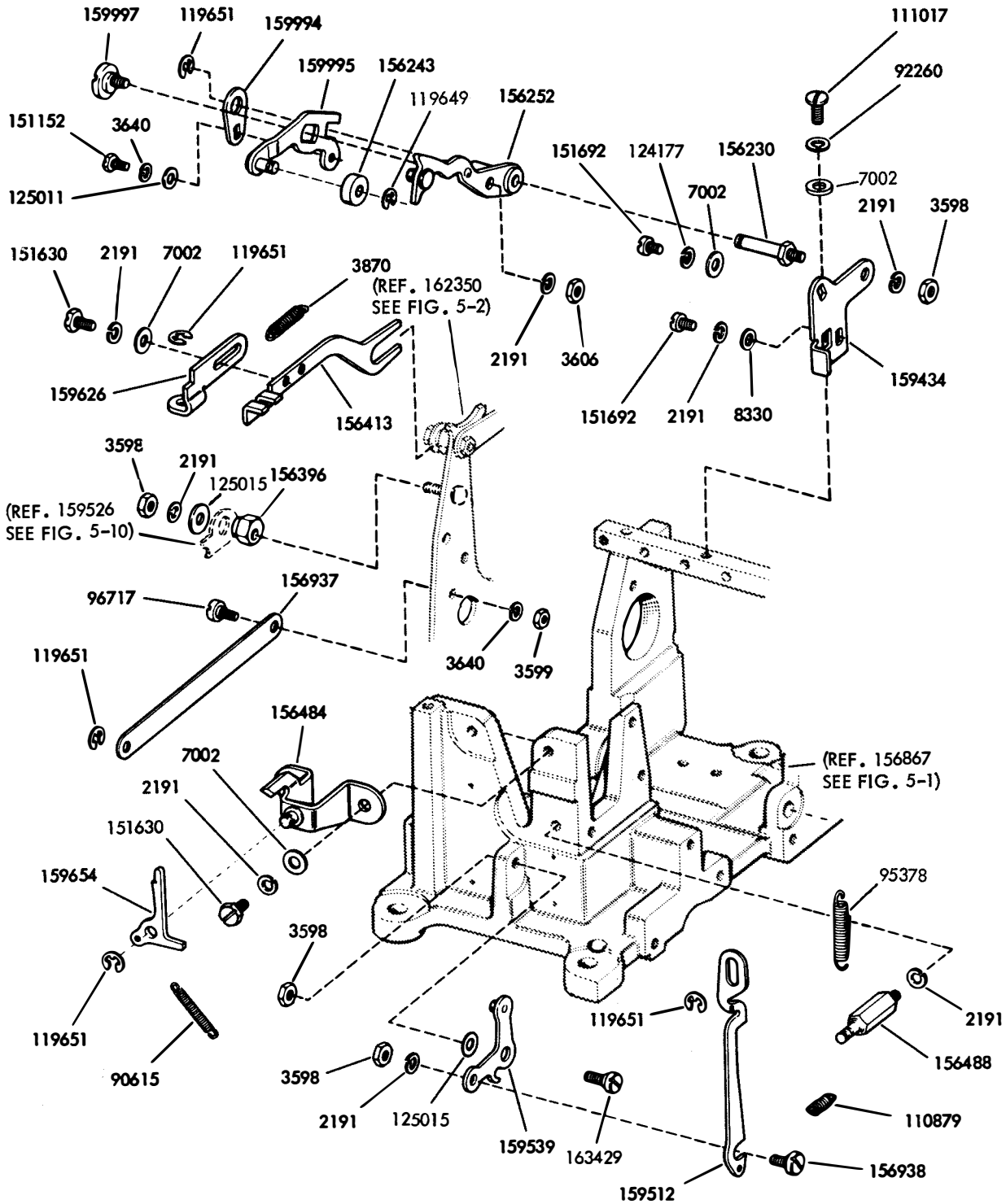


FIGURE 5-17. TYPING MECHANISM

GEAR SETS 7.00 UNIT CODE					
SET NUMBER	PINION	DRIVEN GEAR	BAUD	WPM	OPM
163502	163501	163500	75	643	107
173992	173993	173994	45.5	390	65

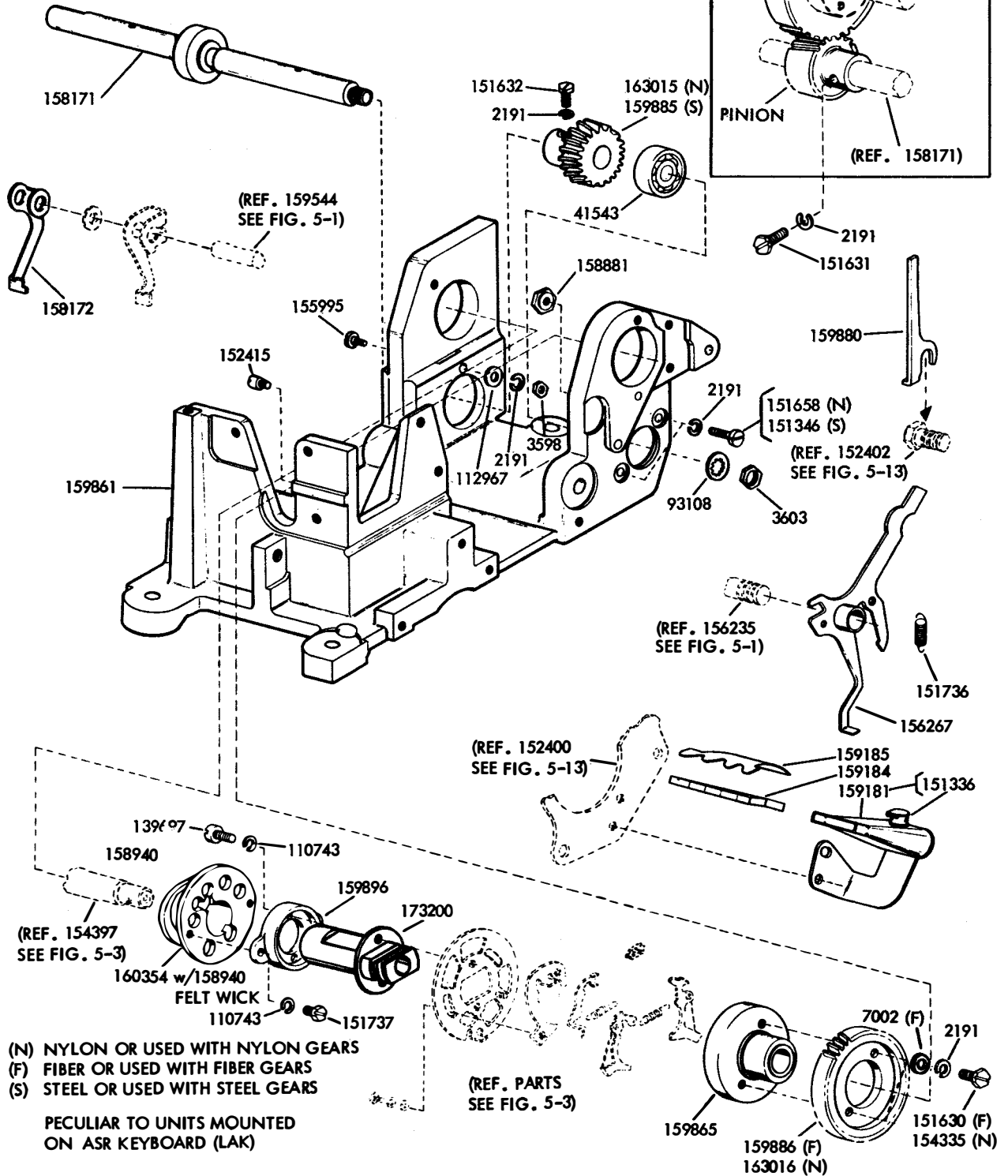
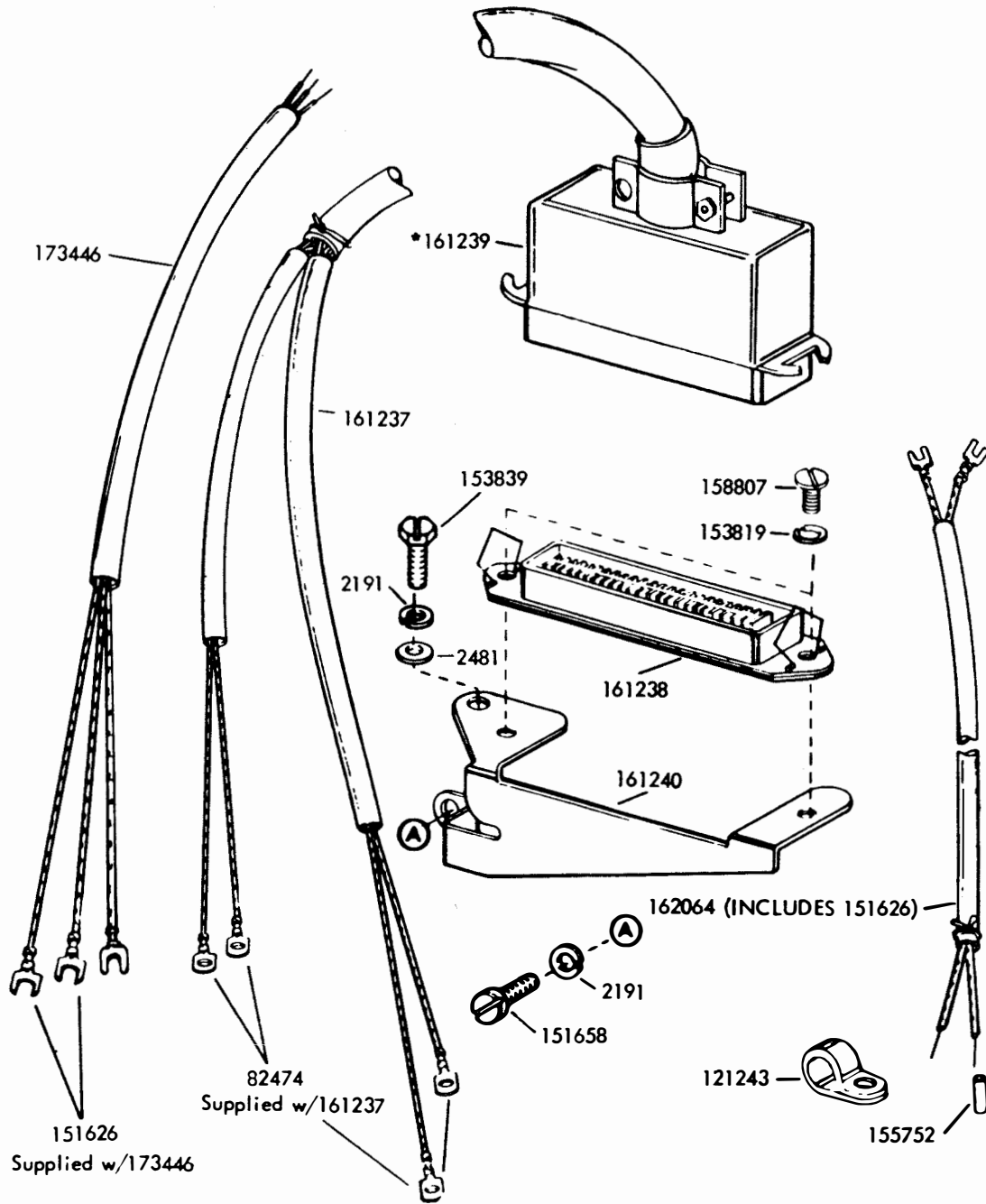


FIGURE 5-18. TWO-SHAFT MECHANISM

270B



*Part of 161237 and 173446

FIGURE 5-19. CABLES AND BRACKET

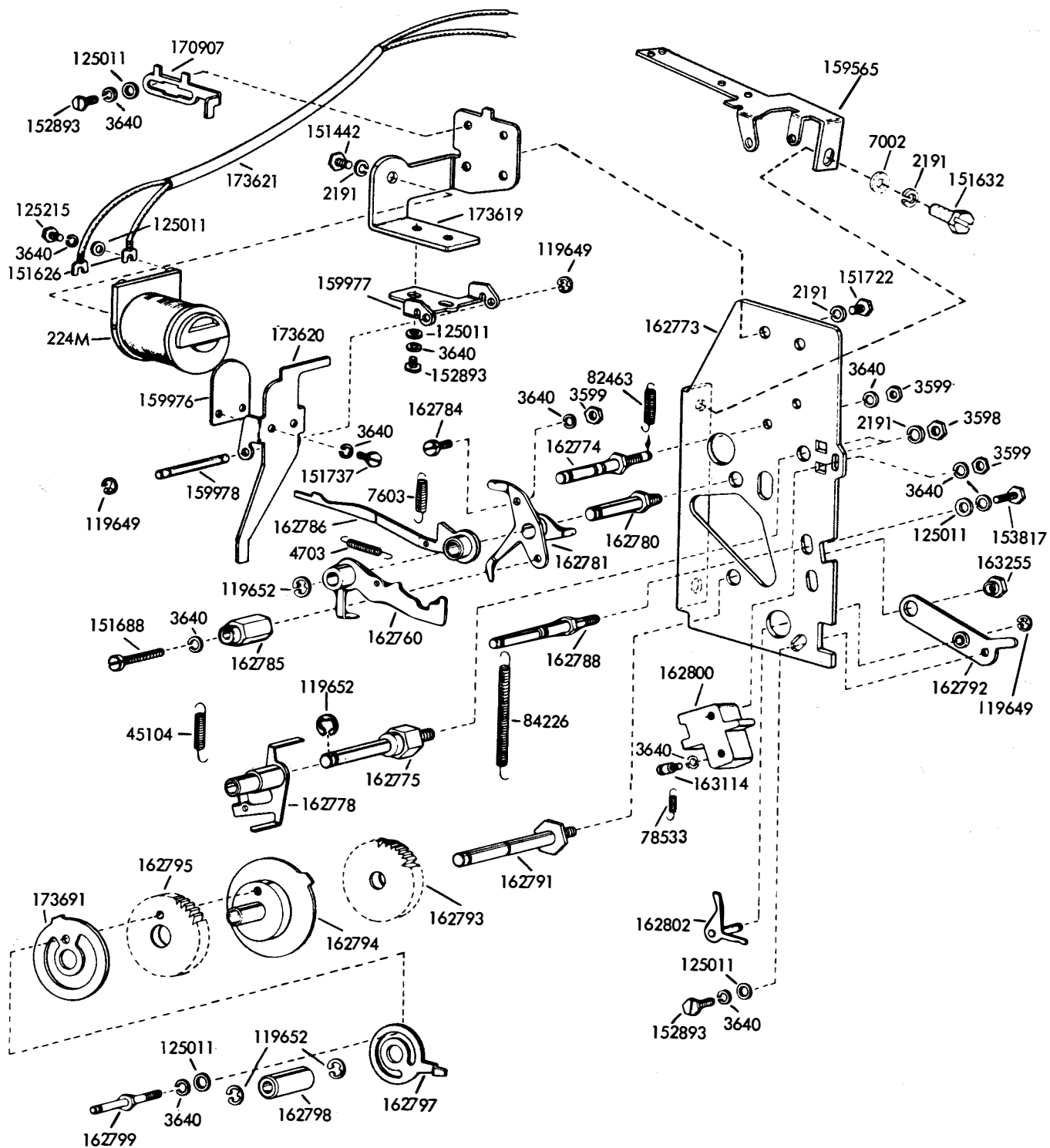


FIGURE 5-20. 173443 MODIFICATION KIT TO ADD REMOTE CONTROL NON-INTERFERING LETTERS FEED-OUT (INCLUDES ALL PARTS ON THIS FIGURE AND FIGURES 5-21 AND 5-22)

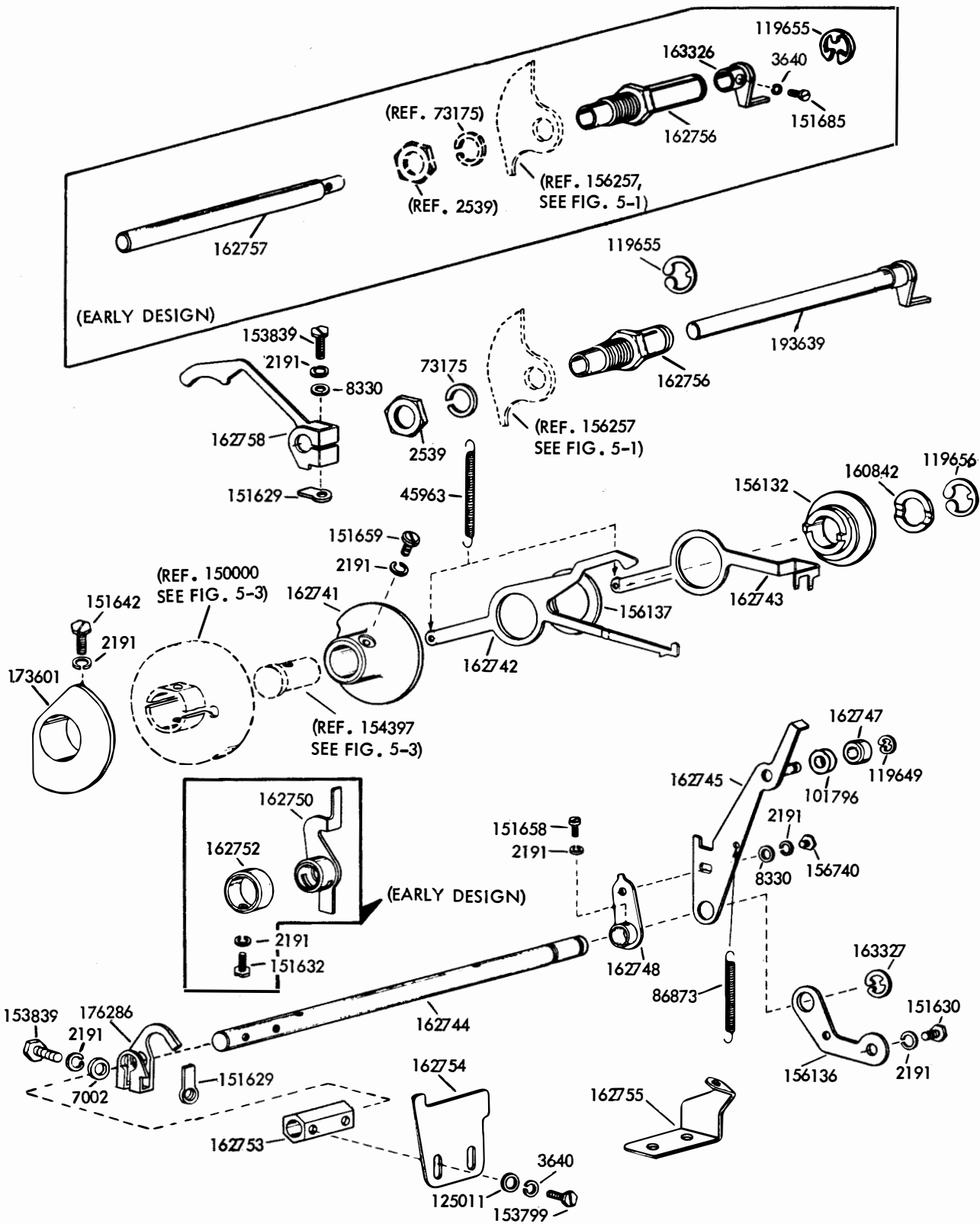


FIGURE 5-21. 173443 MODIFICATION KIT TO ADD REMOTE CONTROL NON-INTERFERING LETTERS FEED-OUT (INCLUDES ALL PARTS ON THIS FIGURE AND FIGURES 5-20 AND 5-22)

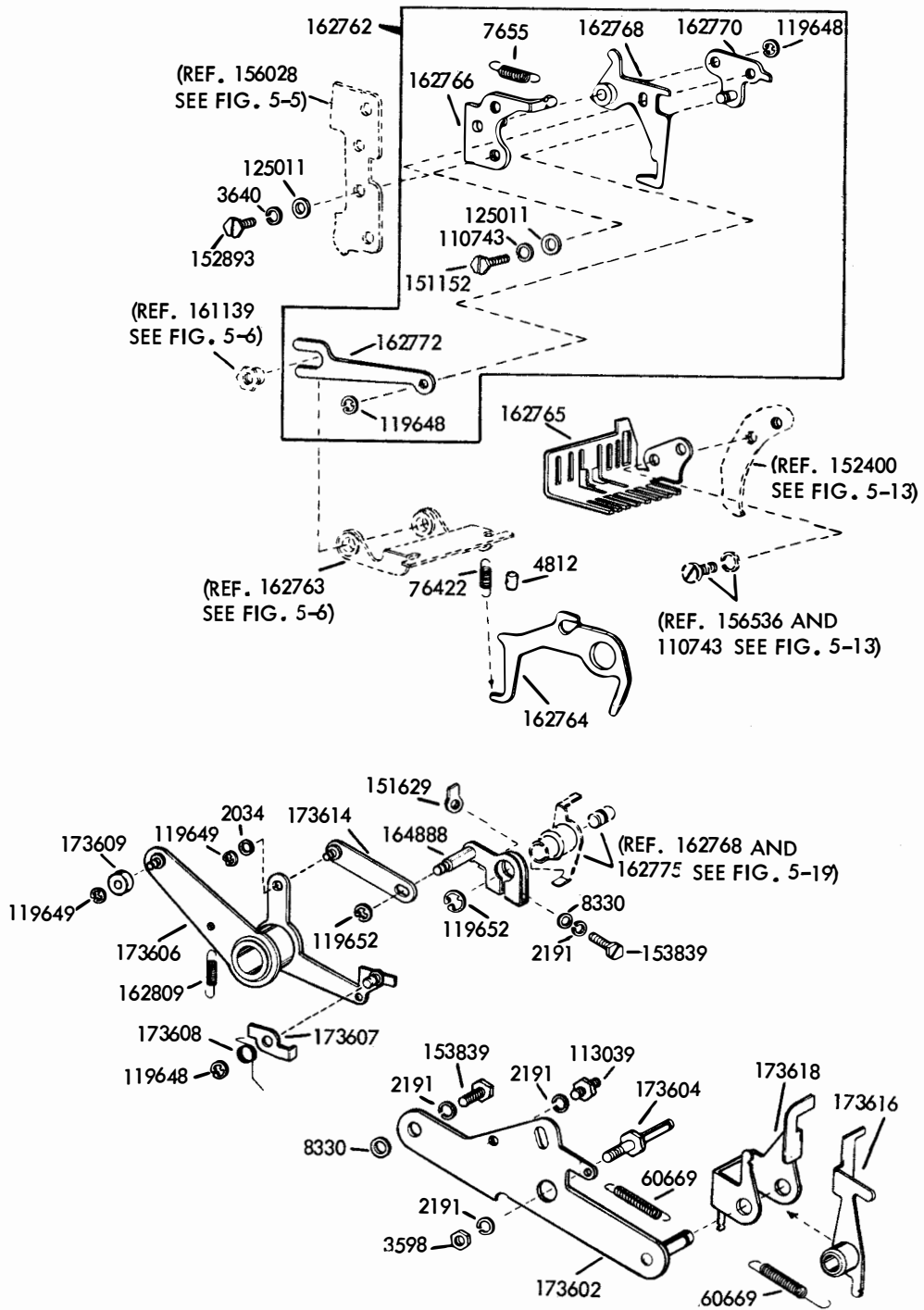
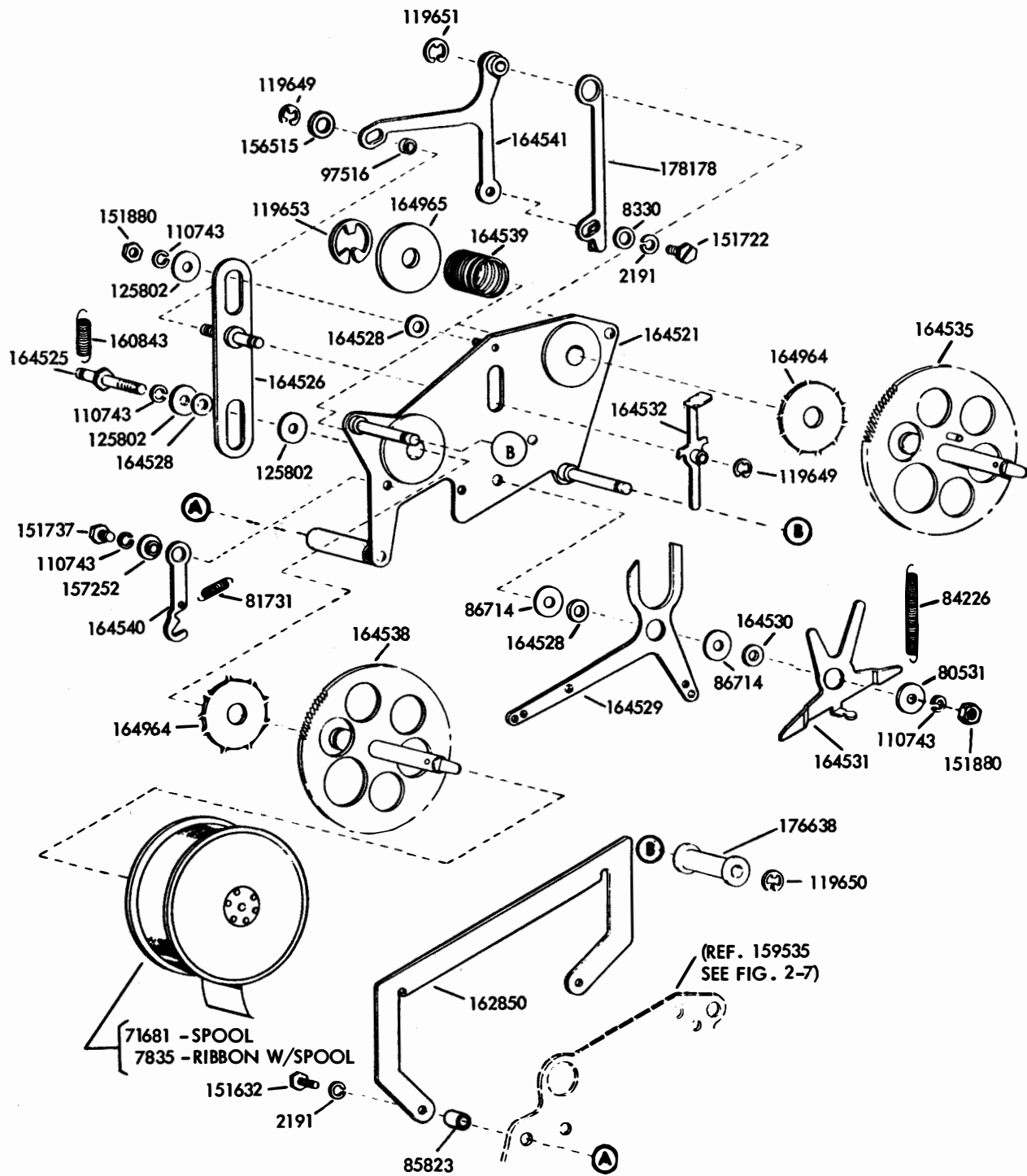


FIGURE 5-22. 173443 MODIFICATION KIT TO ADD REMOTE CONTROL NON-INTERFERING LETTERS FEED-OUT
(INCLUDES ALL PARTS ON THIS FIGURE AND FIGURES 5-20 AND 5-21)



SEE FIGURE 5-16. FOR EARLY DESIGN

FIGURE 5-23. RIBBON FEED MECHANISM

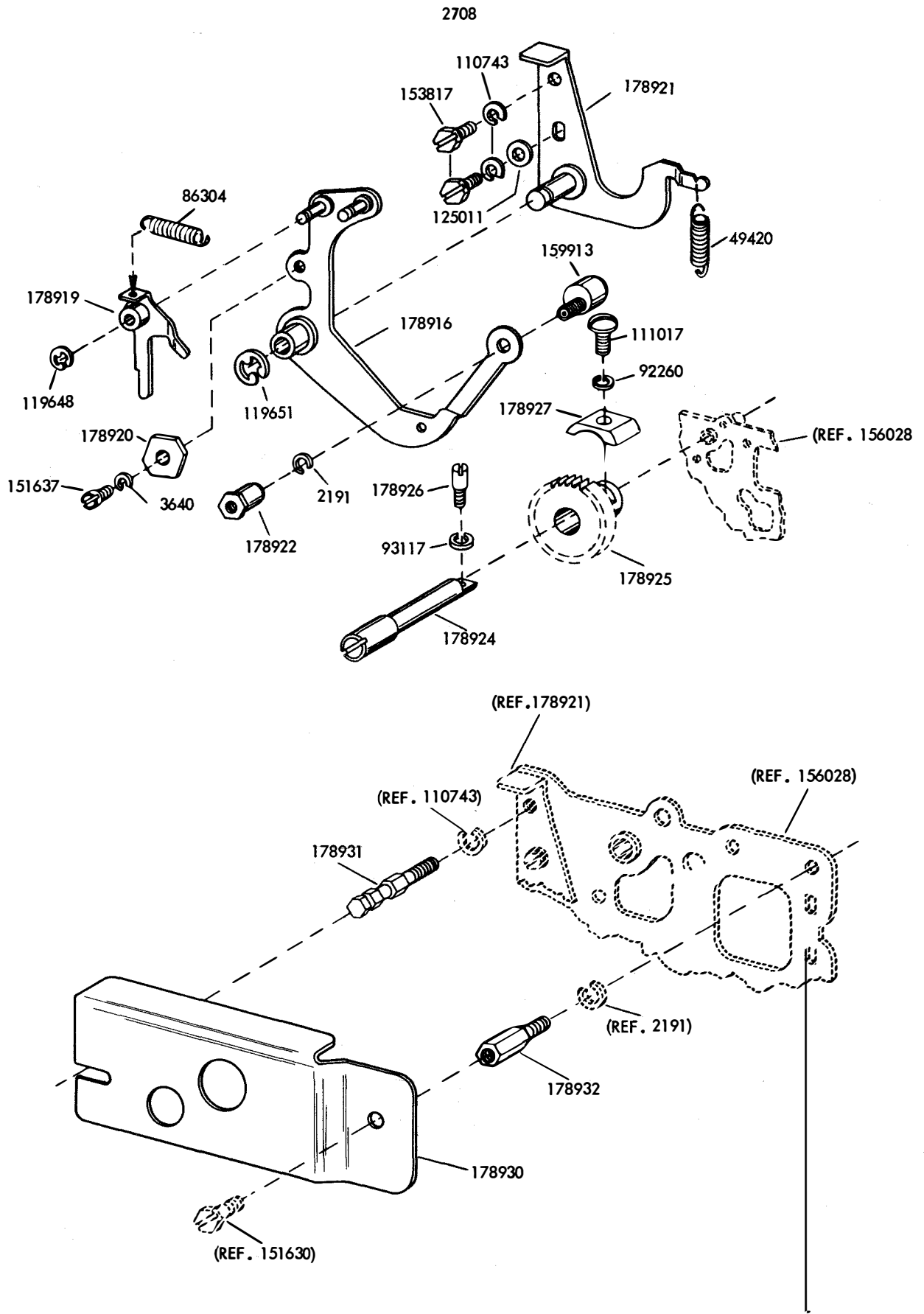


FIGURE 5-24. BACKSPACE MECHANISM FOR FULLY PERFORATED TAPE WITH PRINTING BETWEEN FEED HOLES

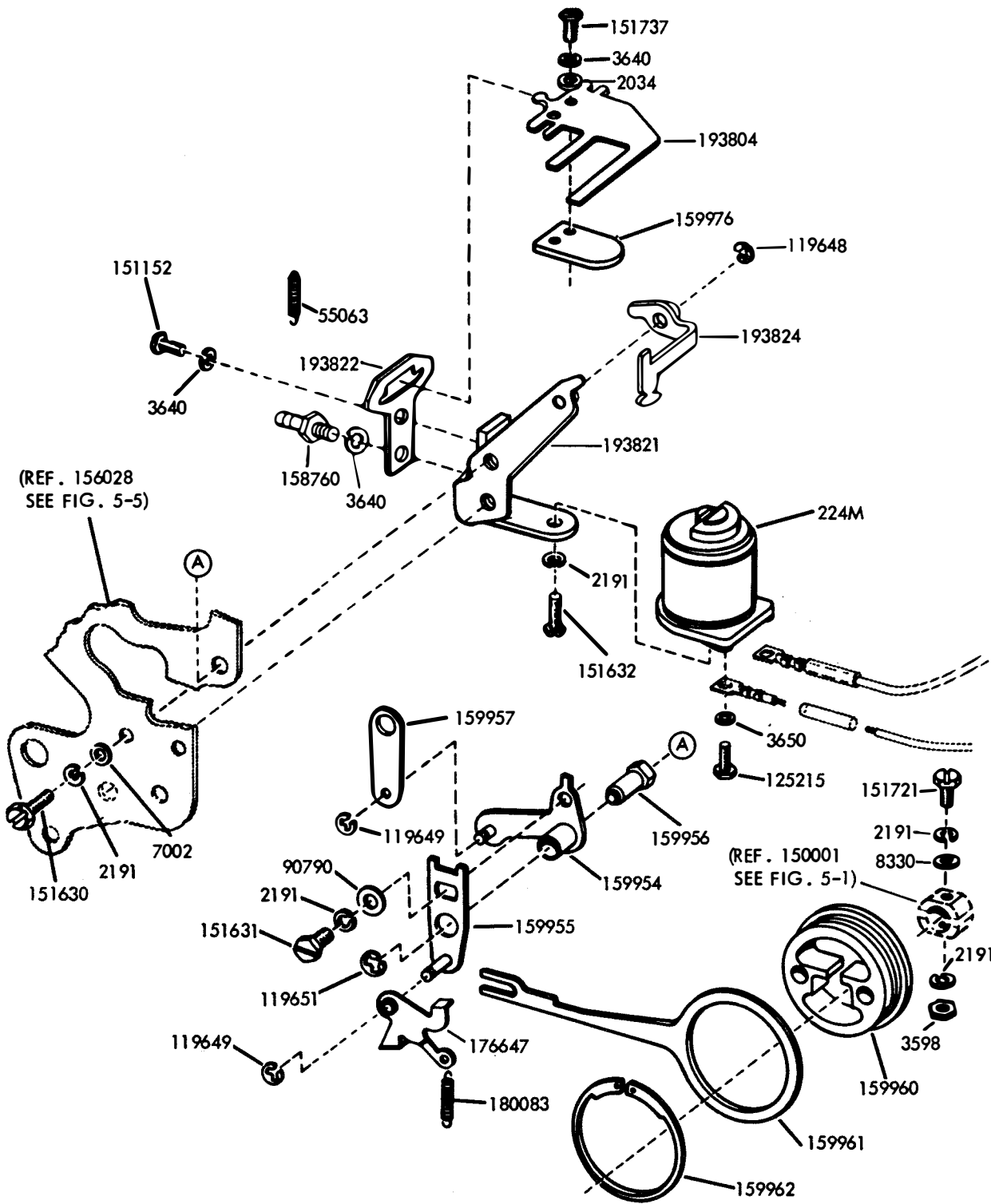


FIGURE 5-25. BACKSPACE POWER DRIVE

NUMERICAL INDEX - SECTION 5

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
224M	Coil, Magnet 5-21, 5-26	76422	Spring 5-23	112967	Washer, Flat 5-19
254M	Coil, Magnet 5-15	78533	Spring 5-14, 5-21	113039	Post 5-23
1036	Nut (6-40 Hex) 5-6	80531	Washer, Flat 5-24	114876	Washer, Flat 5-12
2034	Washer, Flat 5-2, 5-14, 5-23, 5-26	81731	Spring 5-24	115122	Washer, Felt 5-9
2191	Washer, Lock 5-2 to 5-25, 5-26	81778	Screw (4-40 x 3/16 Fil) 5-15	115134	Washer, Felt 5-10
2199	Nut (7/16-32 Hex) 5-9	82392	Shim (.004") 5-3	119647	Ring, Retaining 5-6
2407	Washer, Lock 5-9	82463	Spring 5-21	119648	Ring, Retaining 5-6, 5-13, 5-23, 5-25, 5-26
2438	Washer, Flat 5-15	82474	Terminal 5-20	119649	Ring, Retaining 5-6, 5-9, 5-10, 5-12, 5-17, 5-18, 5-21, 5-22, 5-23, 5-24, 5-26
2481	Washer, Flat 5-20	84226	Spring 5-21, 5-24		
2539	Nut (3/8-32 Hex) 5-22	85823	Spacer 5-24		
2669	Washer, Lock 5-3, 5-13	86079	Washer, Felt 5-10		
3598	Nut (6-40 Hex) 5-2, 5-3, 5-5, 5-6, 5-7, 5-9, 5-10, 5-13, 5-14, 5-17, 5-18, 5-19, 5-21, 5-23, 5-26	86283	Spring 5-17	119650	Ring, Retaining 5-7, 5-17, 5-24
		86304	Spring 5-25		
		86506	Post, Spring 5-2	119651	Ring, Retaining 5-2, 5-7, 5-9, 5-11, 5-12, 5-18, 5-24, 5-25, 5-26
		86714	Washer, Flat 5-24		
3599	Nut (4-40 Hex) 5-2, 5-5, 5-8, 5-10, 5-11, 5-14, 5-15, 5-16, 5-18, 5-21	86774	Screw, Shoulder (6-40 Hex) 5-10	119652	Ring, Retaining 5-2, 5-3, 5-6, 5-13, 5-21, 5-23
		86873	Spring 5-22		
		87401	Spring 5-2		
3603	Nut (1/4-32 Hex) 5-19	90052	Screw (4-40 x 5/8 Hex) 5-16	119653	Ring, Retaining 5-9, 5-17, 5-24
3606	Nut (6-40 Hex) 5-18				
3640	Washer, Lock 5-2, 5-3, 5-4, 5-8, 5-9, 5-10, 5-12, 5-18, 5-21, 5-22, 5-23, 5-25, 5-26	90361	Washer, Felt 5-7	119655	Ring, Retaining 5-22
		90535	Disk, Felt 5-11, 5-12	119656	Ring, Retaining 5-22
		90573	Spring 5-3	121100	Spring 5-12
		90599	Shim (.008") 5-10	121243	Clamp, Cable (3/16" ID) 5-14, 5-20
3650	Washer, Flat 5-26	90606	Spring 5-2, 5-17		
3870	Spring 5-18	90615	Spring 5-18	121538	Terminal 5-15
4703	Spring 5-21	90790	Washer, Flat 5-26	124177	Washer, Lock 5-3, 5-13, 5-14, 5-18
4812	Wick, Felt 5-23	90791	Washer, Lock 5-6		
5363	Spring 5-6	90951	Washer, Lock 5-12	125011	Washer, Flat 5-2, 5-5, 5-8, 5-10, 5-11, 5-12, 5-13, 5-17, 5-18, 5-21, 5-22, 5-23, 5-25
7002	Washer, Flat 5-2, 5-3, 5-5 to 5-10, 5-12, 5-14, 5-16, 5-18, 5-19, 5-21, 5-22, 5-26	91120	Spring 5-6	125015	Washer, Flat 5-3, 5-6, 5-7, 5-8, 5-15, 5-18
		92260	Washer, Lock 5-18, 5-25	125215	Screw (4-40 x 3/16 Hex) 5-21, 5-26
		93108	Washer, Lock 5-19	125231	Nut (10-32 Hex) 5-3
7603	Spring 5-21	93117	Washer, Lock 5-25	125802	Washer, Flat 5-24
7655	Spring 5-23	93356	Washer, Felt 5-2, 5-6	128357	Ring, Retaining 5-7, 5-12
7835	Ribbon W/Spool (Black) 5-17, 5-24	93984	Washer, Lock 5-2		
		95378	Spring 5-18		
8330	Washer, Flat 5-2, 5-3, 5-5, 5-7, 5-11, 5-13, 5-14, 5-17, 5-18, 5-22, 5-23, 5-24, 5-26	96717	Screw, Shoulder (4-40) 5-14, 5-18		
		97516	Bushing 5-24		
		101123	Washer, Felt 5-10	130330	Washer, Felt 5-10
41382	Spring 5-6, 5-13	101796	Washer, Felt 5-22	130696	Washer, Felt 5-11
41543	Bearing, Ball 5-19	104824	Spring 5-15	131016	Washer, Felt 5-10
42823	Washer, Flat 5-2, 5-4	110434	Screw (4-40 x 3/16 Fil) 5-2, 5-13, 5-14	135716	Spring 5-2
45104	Spring 5-21			139697	Screw (4-40 x 9/32 Fil) 5-19
45963	Spring 5-22	110437	Spring 5-12		
47024	Washer, Flat 5-10	110743	Washer, Lock 5-2, 5-4 to 5-13, 5-14 to 5-17, 5-19, 5-23, 5-24, 5-25	150000	Drum, Clutch 5-4
49084	Spring 5-2			150001	Drum, Clutch 5-2
49420	Spring 5-25			150013	Disk, Adjusting 5-2, 5-4
55063	Spring 5-26	110879	Spring 5-8, 5-11, 5-18	150029	Wick, Felt 5-2, 5-4
60669	Spring 5-23	111017	Screw (6-40 x 5/16 Fil) 5-18, 5-25	150040	Screw (6-40 x 5/8 Fil) 5-4
71437	Washer, Flat 5-7			150043	Shoe, Clutch 5-2, 5-4
71681	Spool, Ribbon 5-17, 5-24	111410	Washer, Flat 5-2	150044	Shoe, Clutch 5-2, 5-4
72522	Wick, Felt 5-6	112626	Nut (10-32 Hex) 5-9, 5-13	150048	Spring 5-2, 5-14
73175	Washer, Lock 5-22				
74283	Washer, Spring 5-13	112634	Spring 5-2, 5-12		

NUMERICAL INDEX - SECTION 5

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
150089	Screw (4-40 x 1/2 Fil) 5-15	151685	Screw (4-40 x 5/16 Fil) 5-22	152457	Wick, Felt 5-14
150241	Spring 5-2, 5-4	151686	Screw (4-40 x 3/8 Fil) 5-15	152458	Shield 5-15
150327	Roller, Ribbon 5-17	151688	Screw (4-40 x 5/8 Fil) 5-15, 5-21	152634	Washer, Flat 5-7
150355	Lever, Latch 5-2	151690	Screw (10-32 x 5/16 Fil) 5-3	152887	Screw (4-40 x 1/2 Hex) 5-16
150356	Lever, Trip 5-2	151692	Screw (6-40 x 3/16 Fil) 5-18	152891	Spring 5-14
150411	Washer, Flat 5-2	151693	Screw (6-40 x 9/16 Fil) 5-2	152893	Screw (4-40 x 1/4 Hex) 5-2, 5-3, 5-5, 5-6, 5-7, 5-9, 5-12, 5-14, 5-21, 5-23
150507	Spring 5-17	151700	Screw, Shoulder (6-40) 5-11	153184	Post 5-15
150687	Stud 5-14	151701	Spring, Torsion 5-14	153489	Detent 5-13
150923	Washer, Felt 5-7	151714	Spring 5-14	153538	Screw (6-40 x 7/16 Hex) 5-14
150990	Washer, Felt 5-8	151715	Spring 5-15	153543	Armature 5-15
151073	Screw (4-40 x 5/32 Fil) 5-2, 5-5, 5-7	151721	Screw (6-40 x 3/4 Hex) 5-26	153799	Screw (4-40 x 21/64 Hex) 5-22
151103	Spring 5-2, 5-14	151722	Screw (6-40 x 3/16 Hex) 5-5, 5-21, 5-24	153817	Screw (4-40 x 3/8 Hex) 5-21, 5-25
151152	Screw (4-40 x 3/16 Hex) 5-2, 5-5, 5-10, 5-12, 5-16, 5-18, 5-23, 5-26	151728	Spring 5-2, 5-4	153819	Washer, Lock 5-20
151222	Washer, Felt 5-7	151736	Spring 5-19	153839	Screw (6-40 x 5/8 Hex) 5-2, 5-7, 5-9, 5-14, 5-20, 5-22, 5-23
151246	Washer, Flat 5-3	151737	Screw (4-40 x 11/64 Hex) 5-2, 5-4, 5-19, 5-21, 5-24, 5-26	154235	Spring 5-12
151336	Oiler 5-14, 5-19	151880	Nut (4-40 Hex) 5-16, 5-24	154242	Screw (6-40 x 5/16 Hex) 5-3
151346	Screw (6-40 x 3/8 Fil) 5-19	152400	Plate, Selector Mounting 5-14	154335	Screw (6-40 x 9/32 Fil) 5-19
151362	Wick, Felt 5-3	152401	Guide 5-14	154396	Cam W/Pin 5-4
151398	Spring 5-12	152402	Guide, Selector Lever 5-14	154397	Shaft W/Bearing 5-4
151416	Nut (6-40 Hex) 5-6, 5-7	152403	Bracket, Guide 5-14	154398	Bearing, Needle 5-4
151442	Screw (6-40 x 1/2 Hex) 5-2, 5-3, 5-9, 5-10, 5-14, 5-15, 5-21	152404	Bracket, Spring 5-14	154620	Wick, Felt 5-14
151603	Spacer 5-15	152405	Lever, Marking Lock 5-14	154621	Retainer 5-14
151626	Terminal 5-20, 5-21	152406	Bracket, Spring 5-14	154622	Lubricator 5-14
151629	Nut (6-40 Lug) 5-2, 5-7, 5-9, 5-22, 5-23	152407	Lever, Spacing Lock 5-14	154694	Disk, Clutch Cam 5-2, 5-4
151630	Screw (6-40 x 1/4 Hex) 5-2, 5-3, 5-6, 5-8, 5-9, 5-11, 5-14, 5-17, 5-18, 5-19, 5-22, 5-26	152409	Lever, Selecting 5-14	155096	Plate W/Studs 5-13
151631	Screw (6-40 x 5/16 Hex) 5-2, 5-3, 5-5, 5-6, 5-8, 5-12, 5-15, 5-16, 5-19, 5-26	152410	Bail, Reset 5-14	155752	Sleeve, Insulating (5/64 ID x 1/2" Lg) 5-20
151632	Screw (6-40 x 3/8 Hex) 5-3, 5-4, 5-5, 5-14, 5-16, 5-17, 5-19, 5-21, 5-22, 5-24, 5-26	152411	Lever, Push 5-14	155995	Screw, Shoulder (6-40) 5-19
151637	Screw (4-40 x 1/4 Fil) 5-5, 5-17, 5-25	152412	Link 5-14	156009	Post, Slide 5-7
151640	Lever, Clutch Shoe 5-2, 5-4	152415	Stud 5-15, 5-19	156012	Spring, Punch Block 5-5
151642	Screw (6-40 x 3/4 Fil) 5-22	152420	Lamination 5-15	156013	Screw (4-40 Spl) 5-7
151657	Screw (6-40 x 1/4 Fil) 5-3, 5-13, 5-14	152421	Bracket 5-15	156015	Plate, Spring 5-5
151658	Screw (6-40 x 5/16 Fil) 5-2, 5-3, 5-19, 5-20, 5-22	152423	Bracket 5-15	156016	Link, Front 5-7
151659	Screw (6-40 x 1/2 Fil) 5-22	152425	Post, Spring 5-15	156017	Shaft, Eccentric 5-7
		152426	Nut, Self-Locking (6-40 Hex) 5-15	156019	Washer, Felt 5-6
		152427	Latch W/Hub 5-13	156024	Plate, Rear 5-5
		152429	Rack, Selector 5-13	156028	Plate, Front 5-6
		152432	Arm, Stop 5-13	156036	Chute, Tape 5-6
		152436	Knob, Range Scale 5-13	156040	Post 5-6
		152438	Bail, Stop Arm 5-13	156042	Post, Spacing 5-6
		152441	Washer, Flat 5-13	156043	Bushing 5-7
		152445	Spring 5-13	156045	Shaft, Feed Wheel 5-6
				156046	Block, Tape Guide 5-5
				156047	Spring, Torsion 5-6
				156050	Stud, Eccentric 5-6
				156051	Bushing, Eccentric 5-7

NUMERICAL INDEX - SECTION 5

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
156052	Shoe, Tape 5-6	156306	Rod, Right Connecting 5-9	156577	Roller 5-6
156054	Lever, Detent 5-6	156311	Rod, Left Connecting 5-9	156740	Screw (6-40 x 7/32 Hex) 5-5, 5-22
156057	Washer, Flat 5-12	156313	Rack, Axial Output 5-11	156835	Ring, Retaining 5-9
156058	Link, Rear 5-7	156316	Plate, Rear 5-12	156867	Frame 5-2
156060	Shaft, Eccentric 5-7	156318	Lever, Reset 5-2	156870	Lever, Ribbon Oscillating 5-10
156061	Arm, Tape Shoe 5-6	156321	Shaft 5-10	156871	Bail 5-3
156062	Post, Pivot 5-6	156322	Link, Axial Toggle 5-10	156872	Blade 5-3
156067	Guide 5-7	156366	Shaft 5-3	156874	Screw (4-40 x 15/16 Fil) 5-8, 5-11
156069	Plate 5-5	156369	Lever W/Post 5-10	156875	Screw (6-40 x 5/32 Fil) 5-11
156070	Bail, Toggle 5-7	156378	Plate, Axial Positioning 5-11	156876	Bushing 5-3
156077	Plate W/Post 5-7	156382	Roller, Guide 5-10	156877	Washer, Felt 5-3
156093	Washer, Felt 5-7	156387	Lever, Trip 5-2	156880	Jumper (2-3/8" Black) 5-15
156094	Link, Front 5-7	156388	Lever, Adjusting 5-2	156881	Jumper (1-1/2" Black) 5-15
156095	Bushing 5-7	156389	Gear (16T) 5-9	156884	Arm, Rocker 5-7
156099	Link, Rear 5-7	156396	Eccentric 5-18	156900	Roller 5-3
156103	Strip, Felt 5-7	156399	Nut, Shoulder (6-40 Hex) 5-3	156901	Post, Eccentric 5-17
156132	Bearing, Eccentric 5-22	156403	Disk, Bearing 5-3	156905	Block, Guide 5-9
156136	Bracket 5-22	156408	Arm 5-9	156908	Post, Sector Pivot 5-10
156137	Washer, Flat 5-22	156412	Link, Perforator Drive 5-3	156909	Post, Toggle Link 5-10
156162	Washer, Felt 5-7	156413	Link, Correcting Drive 5-18	156921	Guide, Lever 5-3
156165	Washer, Felt 5-2, 5-7	156414	Plate W/Stud 5-17	156922	Arm, Lock Release 5-12
156169	Washer, Felt 5-7	156419	Shaft, Left Ribbon Ratchet 5-17	156924	Plate, Drive Link 5-11
156173	Stud 5-5	156421	Shaft, Right Ribbon Ratchet 5-17	156925	Roller 5-11
156183	Bracket, Anchor 5-6	156426	Washer, Spring 5-17	156931	Bracket 5-9
156184	Bracket, Anchor 5-6	156427	Disk, Friction 5-17	156937	Link 5-18
156221	Lock 5-16	156428	Washer, Felt 5-17	156938	Screw, Eccentric Shoulder (6-40) 5-18
156230	Stud, Lifter Pivot 5-18	156433	Pawl, Feed 5-17	156941	Cam, Selector 5-2
156235	Post, Guide 5-2	156436	Arm, Front Reversing 5-17	156948	Wick, Felt 5-10
156241	Link, Front 5-9	156437	Arm, Rear Reversing 5-17	156987	Screw (6-40 Spl) 5-3
156242	Link, Rear 5-9	156440	Lever, Reversing 5-17	156988	Race, Outer 5-3
156243	Roller 5-18	156442	Pawl, Retaining 5-17	156989	Bearing 5-3
156248	Latch 5-2	156446	Bail, Oscillating 5-10	156990	Race, Inner 5-3
156252	Lifter, Function Blade 5-18	156462	Washer, Spring 5-3	156994	Strip, Felt 5-3
156257	Bracket 5-2	156465	Rack, Typewheel 5-9	156995	Post 5-3
156264	Lever, Detent 5-8, 5-11	156466	Rack, Typewheel 5-9	156998	Retainer 5-3
156265	Bushing, Shoulder 5-11	156467	Ring, Retaining 5-3	157194	Retainer, Spring 5-15
156266	Bushing, Shoulder 5-8, 5-11	156472	Post, Spring 5-14	157237	Shield 5-15
156267	Lever, Trip 5-19	156478	Bracket 5-18	157252	Bushing 5-24
156268	Bracket, Spring 5-12	156484	Post, Spring 5-18	157261	Shaft 5-13
156276	Eccentric, Right Rotary 5-8	156488	Bushing 5-9	158171	Shaft W/Bearing 5-19
156277	Eccentric, Left Rotary 5-8	156489	Post, Guide 5-2	158172	Lever, Latch 5-19
156278	Eccentric 5-11	156490	Bracket, Guide 5-8	158745	Clamp, Bearing 5-3
156286	Shaft, Right Eccentric 5-8	156492	Stud 5-10	158760	Post, Spring 5-26
156287	Shaft, Left Eccentric 5-8	156493	Screw (6-40 x 7/32 Fil) 5-8, 5-9	158772	Screw (4-40 x 5/8 Hex) 5-16
156288	Shaft, Axial 5-11	156501	Washer, Felt 5-24	158807	Screw (3-48 x 11/64 Fil) 5-20
156289	Bearing, Left Front 5-8	156515	Screw (4-40 x 1/8 Fil) 5-12, 5-14	158881	Nut (6-40 Hex) 5-19
156290	Bearing, Right Front 5-8	156536	Washer, Felt 5-9	158940	Wick, Felt 5-19
156291	Bearing, Rear 5-8	156558	Washer, Felt 5-3	159011	Bracket, Spring 5-2
156292	Housing, Upper Axial 5-11	156576	Washer, Felt 5-3	159181	Lubricator 5-19
156293	Housing, Lower Axial 5-11				
156294	Sector, Axial 5-10				
156296	Post, Retainer 5-12				
156300	Shaft 5-12				

NUMERICAL INDEX - SECTION 5

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
159184	Wick, Lubricating 5-19	159516	Blade, Function (Letters) 5-12	160842	Washer, Spring 5-22
159185	Retainer, Wick 5-19	159519	Bushing 5-10	160843	Spring 5-24
159341	Bearing, Ball 5-3	159522	Bushing, Shoulder 5-10	160846	Bushing, Shoulder 5-10
159404	Post 5-11	159523	Bail, Oscillating Drive 5-10	160943	Housing, Typewheel Shaft 5-9
159411	Bearing Assembly 5-3	159525	Bracket, Axial 5-10	160948	Screw (2-56 Spl) 5-6
159413	Plate, Reversing 5-17	159526	Link, Oscillating 5-11	161107	Stud 5-6
159427	Bracket, Stop 5-2	159528	Bar, Push (#5) 5-8	161108	Stud 5-5
159430	Lever, Slide Trip 5-2	159529	Bar, Push (#3) 5-8	161109	Post, Guide 5-7
159431	Lever, Trip 5-2	159530	Bar, Push (#4) 5-8	161139	Nut, Shoulder (6-40 Hex) 5-6
159434	Plate, Lifter Mounting 5-18	159531	Bar, Push (Letters) 5-8	161237	Cable Assembly 5-20
159437	Arm, Left Yield 5-12	159532	Bar, Push (Figures) 5-8	161238	Connector, Receptacle (36 Pt) 5-20
159438	Arm, Right Yield 5-12	159533	Bar, Push (#1) 5-11	161239	Connector, Plug (36 Pt) 5-20
159441	Guide, Bellcrank 5-2	159535	Plate 5-8	161240	Bracket, Connector 5-20
159447	Bellcrank (#1 & 4) 5-12	159536	Gear (15T) 5-9	161323	Housing, Gear 5-9
159448	Bellcrank (#2) 5-12	159539	Arm, Pivot 5-18	161324	Washer, Flat 5-9
159450	Bellcrank (#3 & 5) 5-12	159544	Release, Clutch 5-2	161342	Lever, Start 5-14
159459	Spring 5-16	159560	Spring 5-5	161347	Washer, Felt 5-12
159460	Link, Toggle 5-12	159565	Bracket 5-21	161431	Lever 5-9
159467	Holder, Wick 5-14	159597	Washer, Flat 5-10	161443	Detent, Axial Shaft 5-11
159468	Arm, Lock 5-12	159621	Screw, Shoulder (6-40) 5-5	161444	Detent 5-8
159470	Shaft 5-12	159622	Clamp, Adjusting 5-5	162064	Cable W/Terminals 5-20
159471	Bellcrank (Letters - Figures) 5-12	159625	Bracket, Guide 5-3	162248	Hub 5-3
159472	Plate 5-2	159626	Extension, Drive Link 5-18	162346	Extension, Adjustable 5-17
159476	Arm (Figures) 5-12	159642	Shim (.008") 5-8	162347	Arm, Ribbon Drive 5-17
159477	Arm (Letters) 5-12	159643	Shim (.008") 5-11	162350	Bail, Rocker 5-3
159480	Bushing, Eccentric 5-9	159654	Latch, Printing 5-18	162741	Cam 5-22
159481	Arm, Extension (Figures) 5-12	159658	Screw (6-40 x 1-7/64 Hex) 5-9	162742	Pawl, Detent 5-22
159482	Arm, Extension (Letters) 5-12	159659	Shaft, Eccentric 5-9	162743	Pawl, Feed 5-22
159483	Bracket, Spring 5-12	159861	Frame, Main 5-19	162744	Shaft 5-22
159487	Plate, Front 5-12	159865	Drum, Clutch 5-19	162745	Lever, Cam Follower 5-22
159488	Bracket 5-16	159880	Slide 5-19	162747	Roller 5-22
159489	Plate (#1) 5-16	159885	Gear (28T) 5-19	162748	Lever 5-22
159490	Plate (#4) 5-16	159886	Gear (49T) 5-19	162750	Lever 5-22
159491	Plate (#2) 5-16	159896	Collar 5-19	162752	Collar 5-22
159492	Plate (#0) 5-16	159913	Screw, Eccentric (6-40) 5-25	162753	Spacer 5-22
159493	Plate (#5) 5-16	159954	Link W/Stud 5-26	162754	Plate 5-22
159494	Plate (#3) 5-16	159955	Link, Drive 5-26	162755	Bracket, Spring 5-22
159495	Beam, Pulse (#5) 5-16	159956	Post 5-26	162756	Bushing 5-22
159496	Beam, Pulse (#3) 5-16	159957	Link 5-26	162757	Shaft 5-22
159497	Beam, Pulse (#2) 5-16	159960	Eccentric 5-26	162758	Lever, Cam Follower 5-22
159498	Lever, Pulse (#5) 5-16	159961	Arm, Eccentric 5-26	162760	Latch 5-21
159499	Lever, Transfer (#3, 4 & 5) 5-16	159962	Ring, Retaining 5-26	162762	Storage Assembly 5-23
159500	Beam, Pulse (#4) 5-16	159976	Armature 5-21, 5-26	162763	Bail, Reset 5-7
159501	Beam, Pulse (#1) 5-16	159977	Hinge 5-21	162764	Lever, Slide Trip 5-23
159502	Guide 5-16	159978	Shaft 5-21	162765	Bracket 5-23
159503	Shaft 5-12	159994	Plate 5-18	162766	Plate W/Post 5-23
159504	Spacer 5-16	159995	Arm, Lifter 5-18	162768	Latch 5-23
159508	Lever, Transfer (#1 & 2) 5-16	159997	Screw, Eccentric (6-40) 5-18	162770	Plate W/Stud 5-23
159512	Link, Printing Trip 5-18	160184	Plate 5-15	162772	Link 5-23
159515	Blade, Function (Figures) 5-12	160354	Cam 5-19	162773	Plate, Main 5-21
		160839	Spacer 5-3	162774	Post, Spring 5-21
				162775	Shaft 5-21
				162778	Lever 5-21

NUMERICAL INDEX - SECTION 5

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
162780	Shaft 5-21	164538	Shaft, Left Ribbon	173775	Shaft, Typewheel 5-9
162781	Lever 5-21		Ratchet 5-24	173977	Shaft, Hammer 5-9
162784	Screw, Eccentric (4-40) 5-21	164539	Spring 5-24	173978	Spring, Torsion 5-9
162785	Bushing, Eccentric 5-21	164540	Detent 5-24	173979	Head, Hammer 5-9
162786	Arm, Blocking 5-21	164541	Arm, Ribbon Drive 5-24	173981	Accelerator, Hammer 5-9
162788	Post 5-21	164888	Lever W/Post 5-23	173992	Gear Set 5-19
162791	Shaft 5-21	164964	Washer, Felt 5-24	173993	Pinion (14T) 5-19
162792	Arm, Detent 5-21	164965	Washer, Flat 5-24	173994	Gear (40T) 5-19
162793	Ratchet (42T) 5-21	170219	Stud, Die Wheel 5-6	175713	Typewheel (BRP) 5-9
162794	Hub, Back Stop 5-21	170241	Screw, Adjusting (6-40) 5-6	176252	Washer, Flat 5-3
162795	Ratchet (42T) 5-21	170242	Slide, Feed Hole Punch 5-5	176266	Spring, Torsion 5-2
162797	Plate, Adjusting 5-21	170243	Slide, Code Hole Punch 5-5	176286	Lever, Adjusting 5-22
162798	Roller 5-21			176489	Guide 5-2
162799	Post, Spring 5-21	170247	Guide 5-5	176490	Bracket 5-2
162800	Block, Stop 5-21	170779	Wheel, Die 5-6	176491	Bracket Assembly 5-2
162802	Pawl, Detent 5-21	170788	Die, Wheel 5-6	176638	Roller 5-24
162809	Spring 5-23	170907	Plate, Adjusting 5-21	176640	Guard, Tape 5-14
162850	Handle 5-17, 5-24	172983	Bracket, Spring 5-7	176647	Latch 5-26
162862	Bar, Mounting 5-2	172984	Bracket, Spring 5-5	178178	Lever, Adjustable Extension 5-24
163015	Gear (28T) 5-19	172993	Spring 5-5	178916	Bellcrank 5-25
163016	Gear (49T) 5-19	173200	Sleeve, Bearing 5-19	178919	Pawl, Backspace 5-25
163114	Post, Spring 5-21	173340	Collar 5-4	178920	Post, Eccentric 5-25
163255	Nut, Shoulder (6-40 Hex) 5-21	173443	Modification Kit 5-21, 5-22, 5-23	178921	Plate 5-25
163326	Lever W/Hub 5-22	173446	Cable Assembly 5-20	178922	Nut, Shoulder (6-40 Hex) 5-25
163327	Ring, Retaining 5-22	173601	Cam 5-22	178924	Shaft 5-25
163429	Screw, Shoulder (6-40) 5-18	173602	Plate 5-23	178925	Ratchet (24T) 5-25
163500	Gear (52T) 5-19	173604	Post, Spring 5-23	178926	Screw (2-56 Spl) 5-25
163501	Pinion (30T) 5-19	173606	Bail 5-23	178927	Clamp, Adjusting 5-25
163502	Gear Set 5-19	173607	Lever 5-23	178930	Guard 5-25
164386	Bracket 5-15	173608	Spring, Torsion 5-23	178931	Post 5-25
164513	Pawl, Feed 5-7	173609	Roller 5-23	178932	Post, Supporting 5-25
164521	Plate 5-24	173614	Link 5-23	179573	Nut (6-40 Hex) 5-7
164525	Post, Spring 5-24	173616	Lever 5-23	180083	Spring 5-26
164526	Slide 5-24	173618	Bail 5-23	192661	Post 5-3
164528	Bushing (.054") 5-24	173619	Bracket, Magnet 5-21	192709	Link 5-3
164529	Lever, Ribbon Reverse 5-24	173620	Bail, Armature 5-21	192849	Bar, Push (#2) 5-11
164530	Bushing (.068") 5-24	173621	Cable W/Terminals 5-21	193639	Lever W/Shaft 5-22
164531	Pawl, Check 5-24	173691	Cam 5-21	193804	Armature 5-26
164532	Pawl, Feed 5-24	173754	Spacer, Typewheel 5-9	193821	Bracket 5-26
164535	Shaft, Right Ribbon Ratchet 5-24	173755	Guide, Ribbon 5-9	193822	Clamp 5-26
		173756	Lever, Print Hammer 5-9	193824	Latch 5-26
		173757	Typewheel (BWA) 5-9	195251	Armature 5-15
		173770	Block Assembly, Punch 5-5	195634	Modification Kit 5-15



SECTION 6
TYPING UNIT

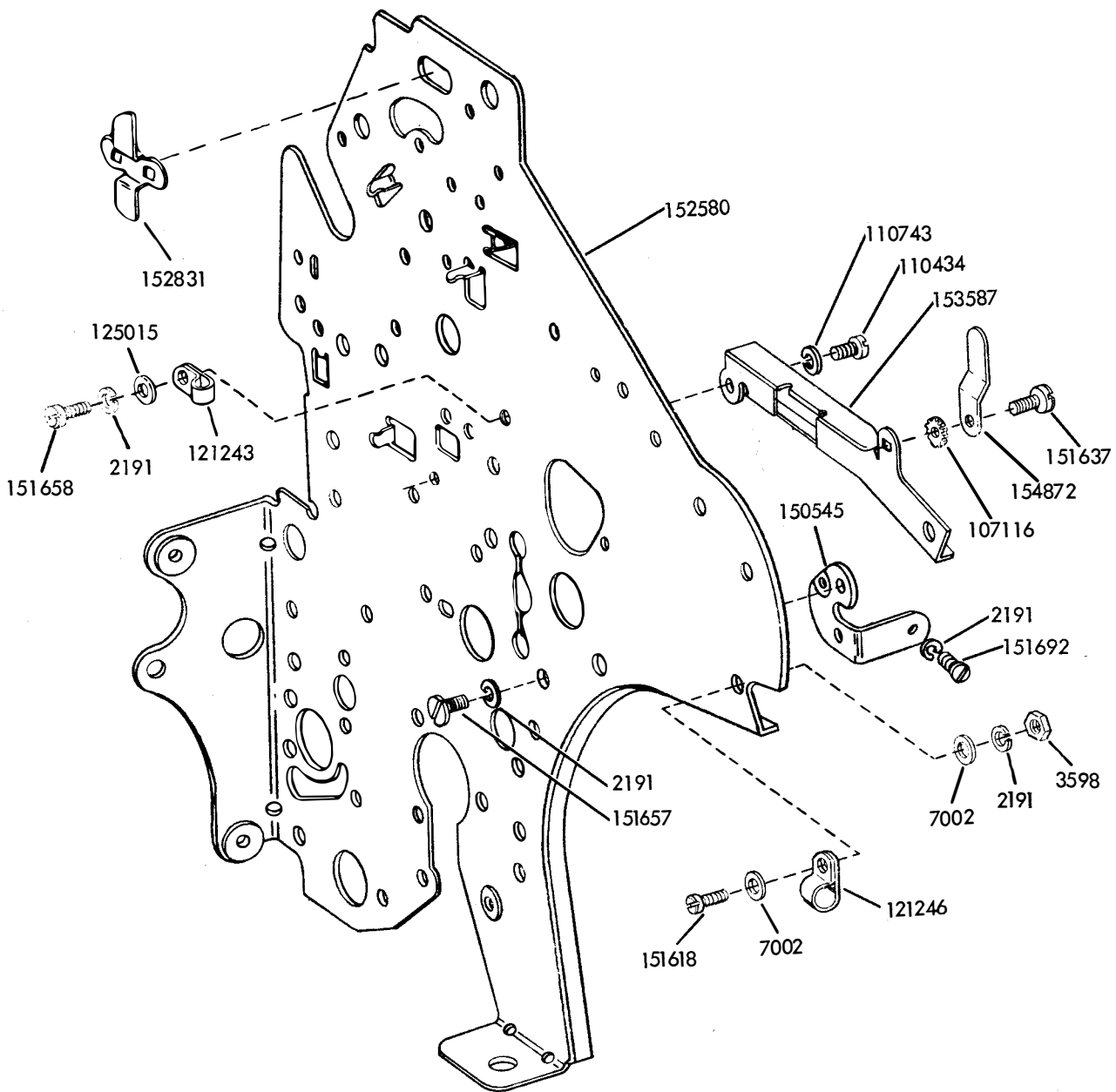


FIGURE 6-1. RIGHT SIDE FRAME MECHANISM

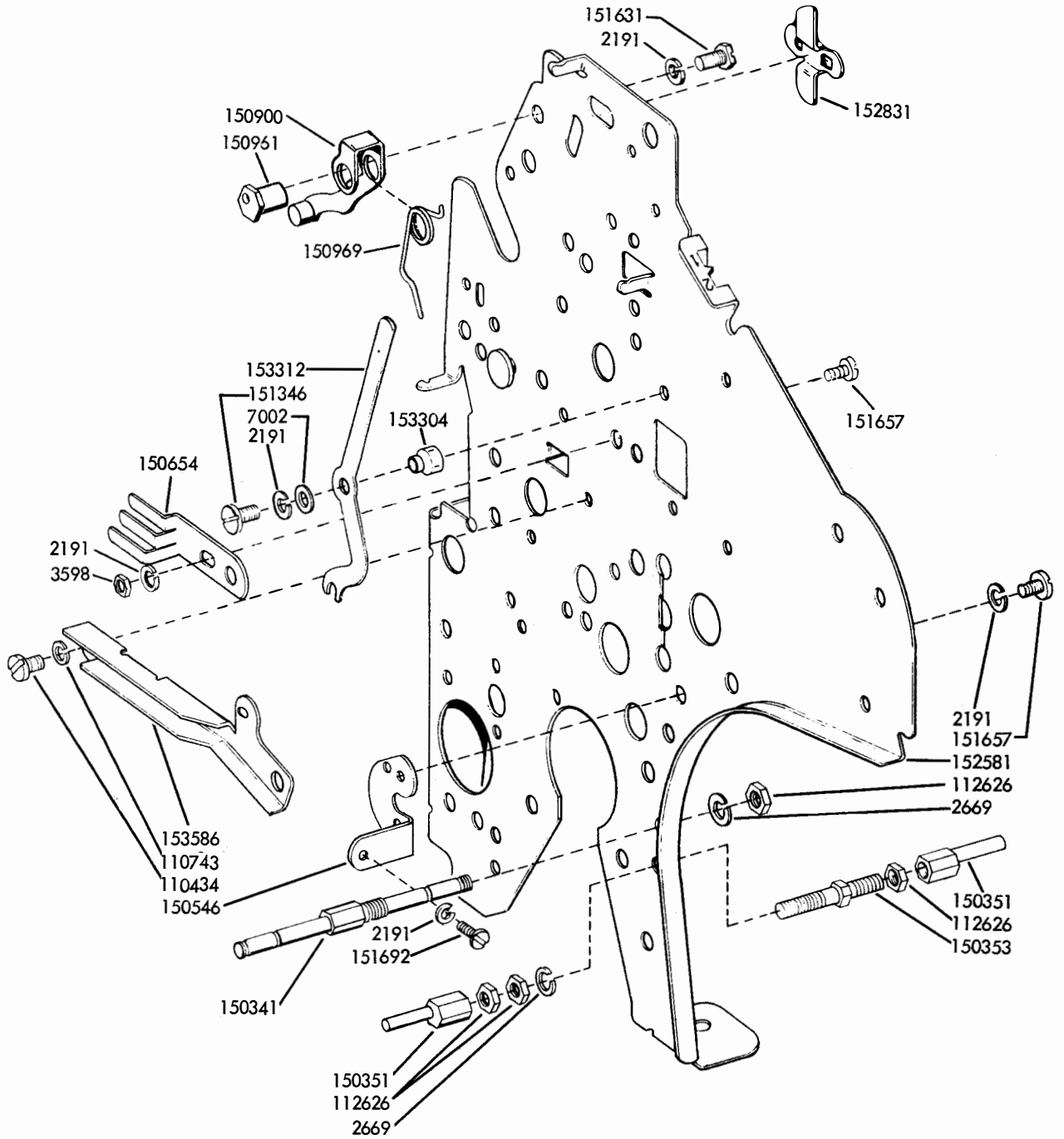
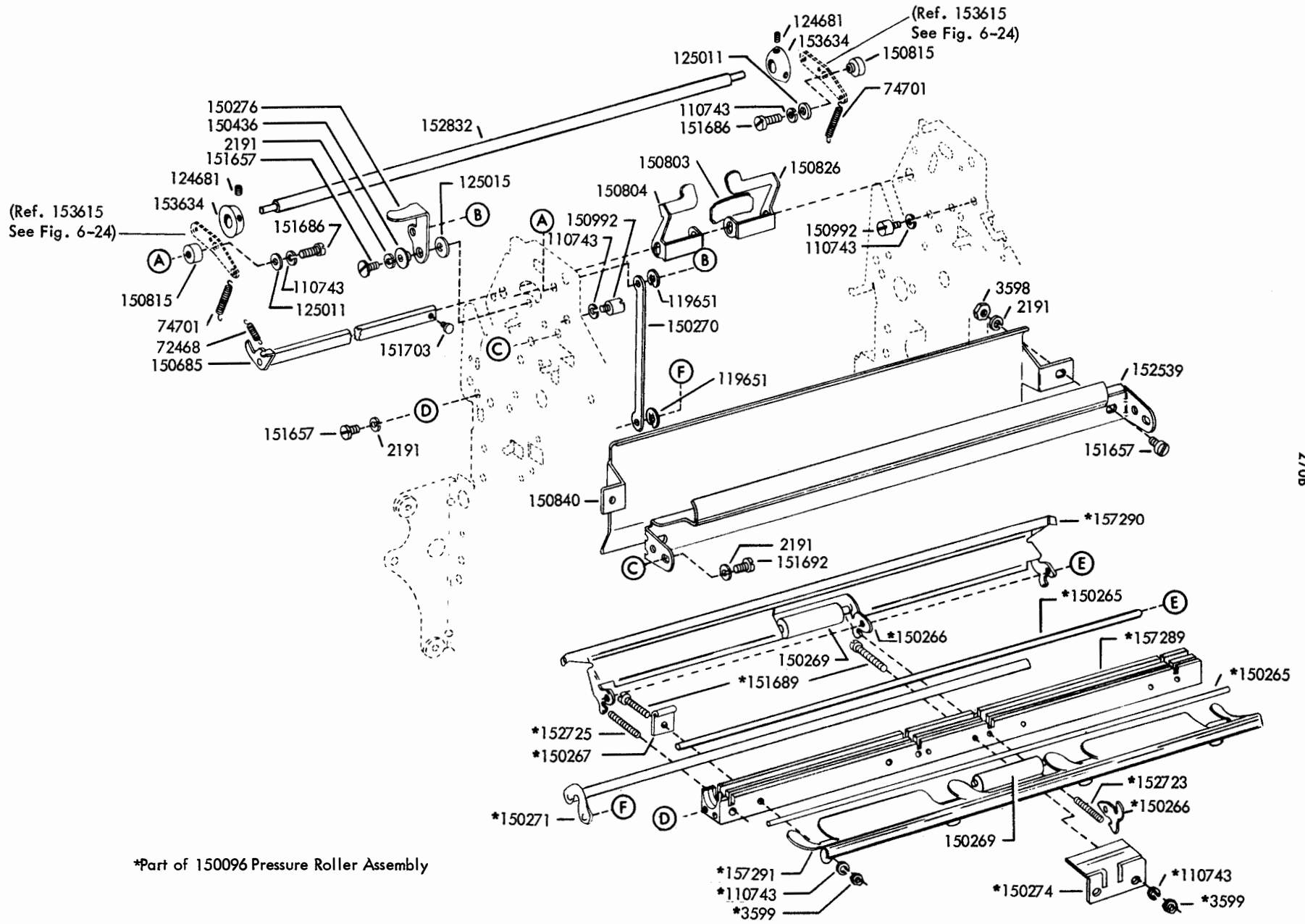


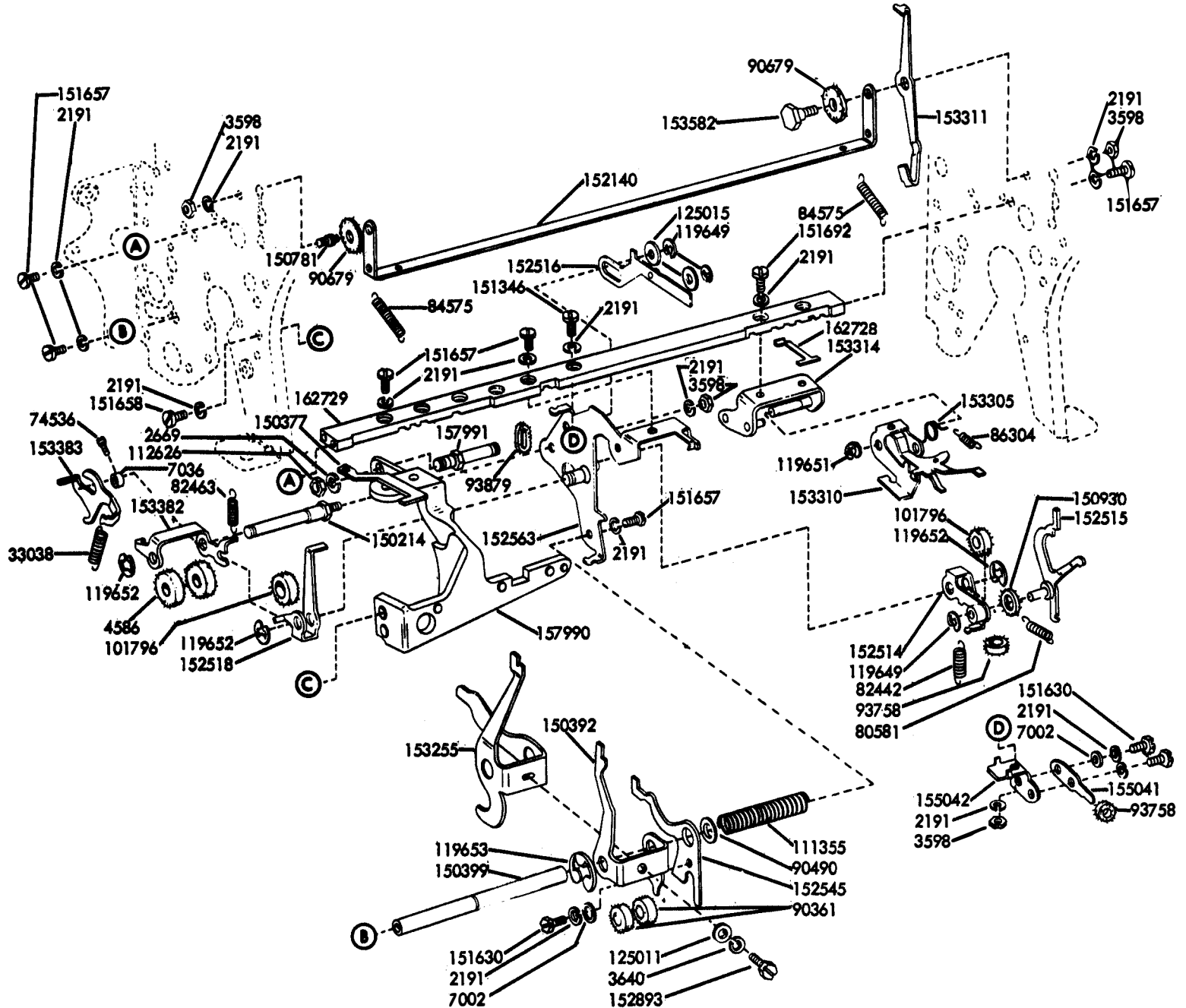
FIGURE 6-2. LEFT SIDE FRAME MECHANISM

FIGURE 6-3. PRESSURE ROLLER MECHANISM



*Part of 150096 Pressure Roller Assembly

FIGURE 6-4. SPACE SUPPRESSION MECHANISM



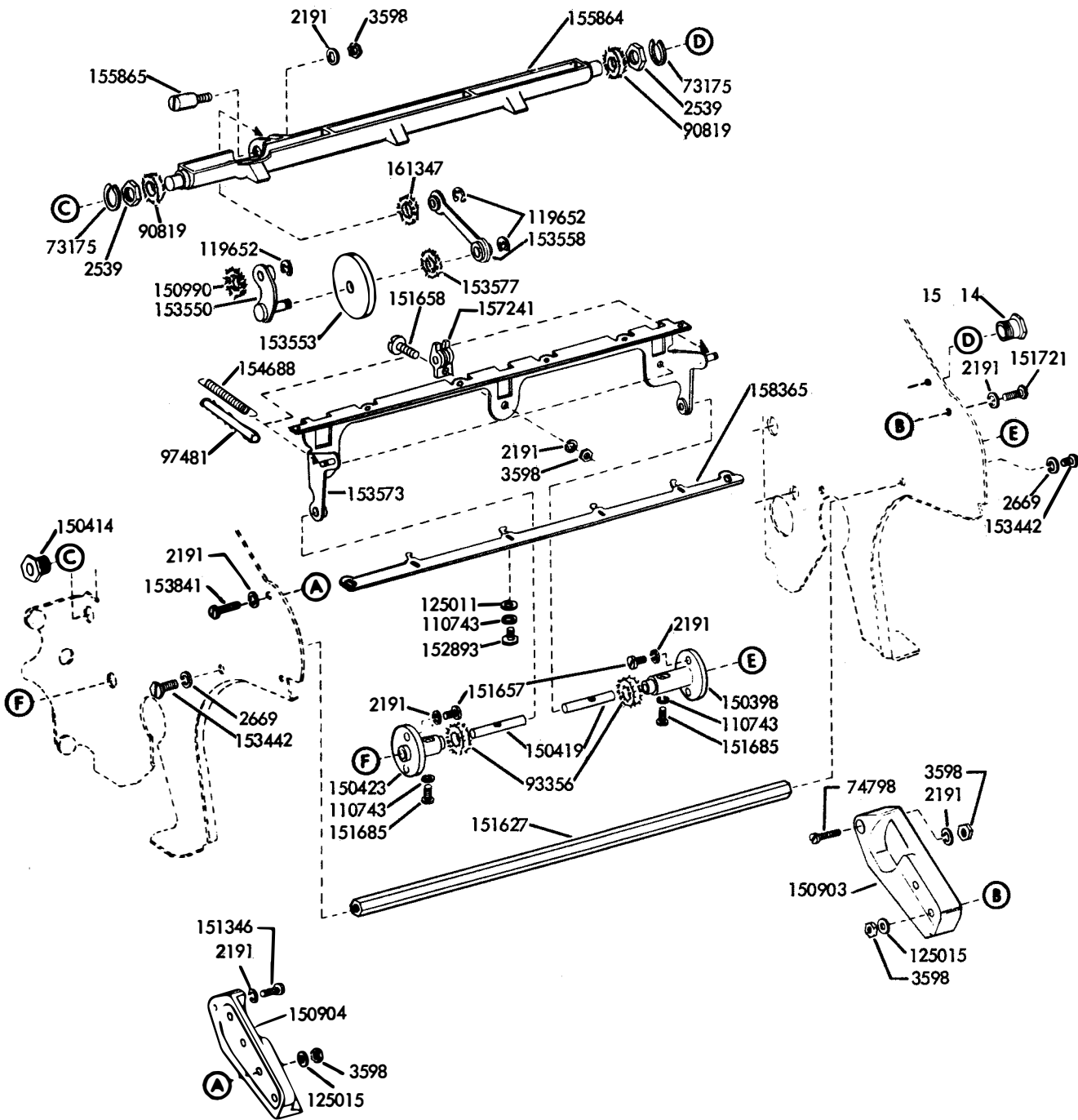


FIGURE 6-5. RESET BAIL MECHANISM

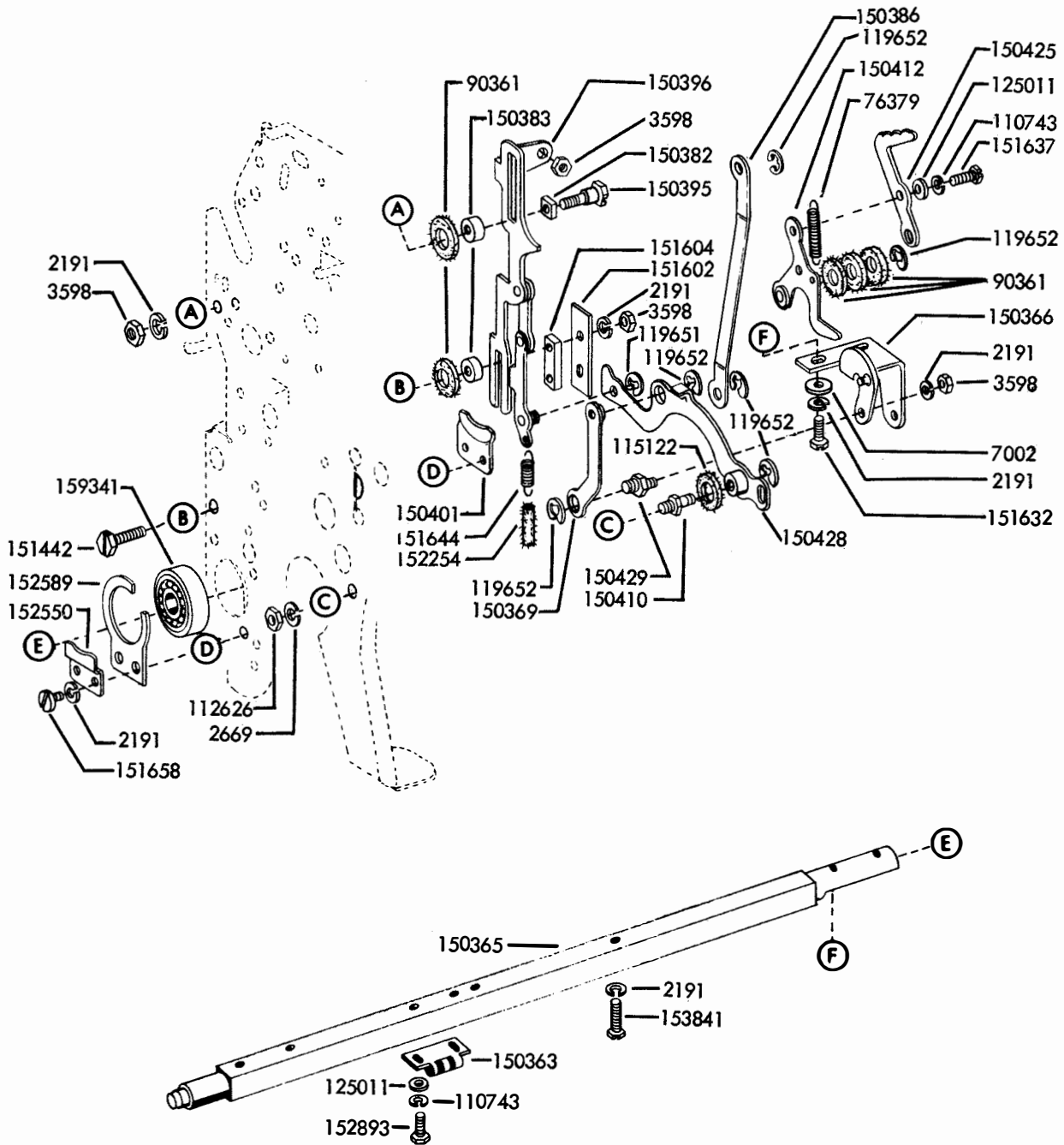
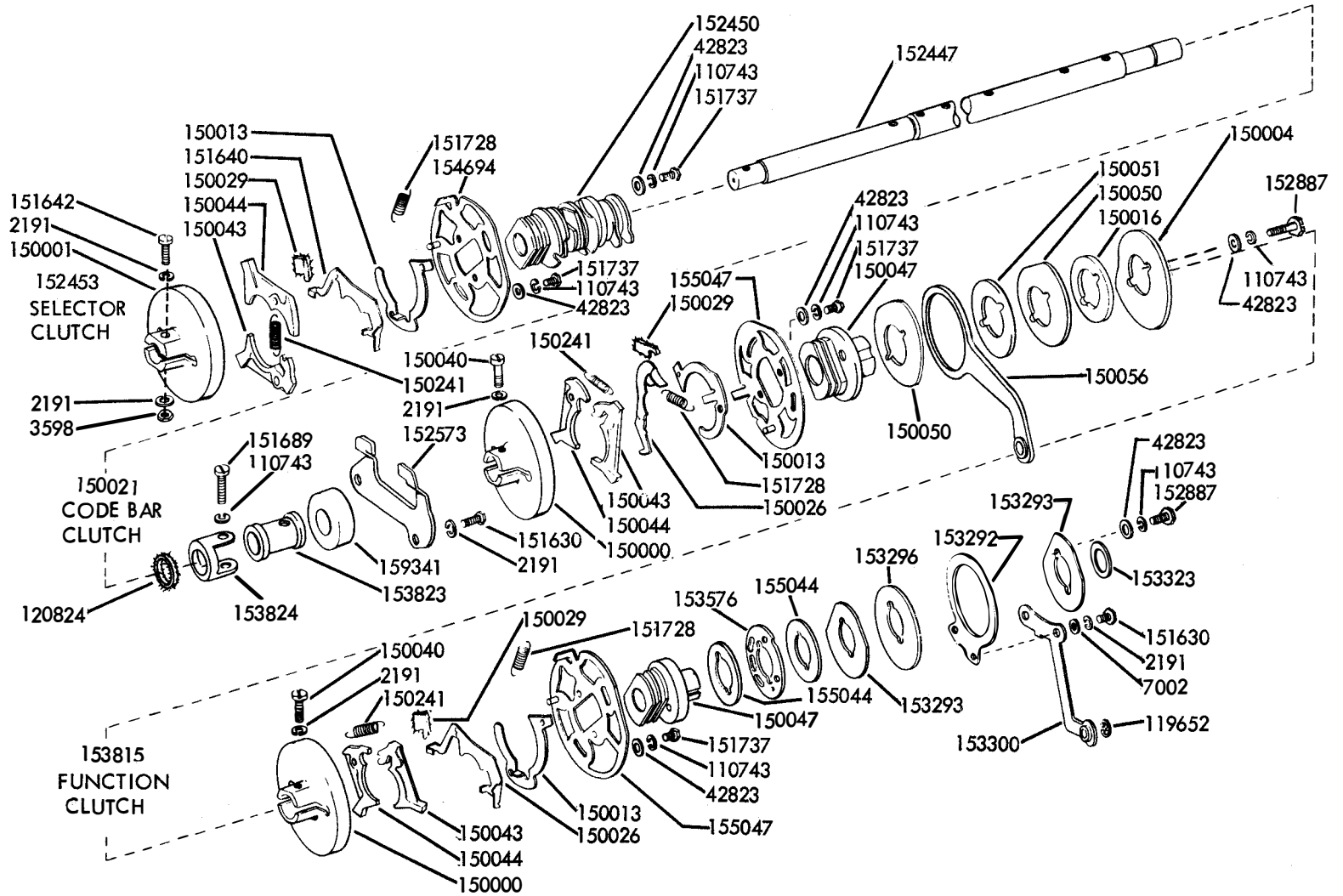


FIGURE 6-7. LEFT SIDE LINKAGE AND ROCKER SHAFT MECHANISM

FIGURE 6-10. MAIN SHAFT MECHANISM



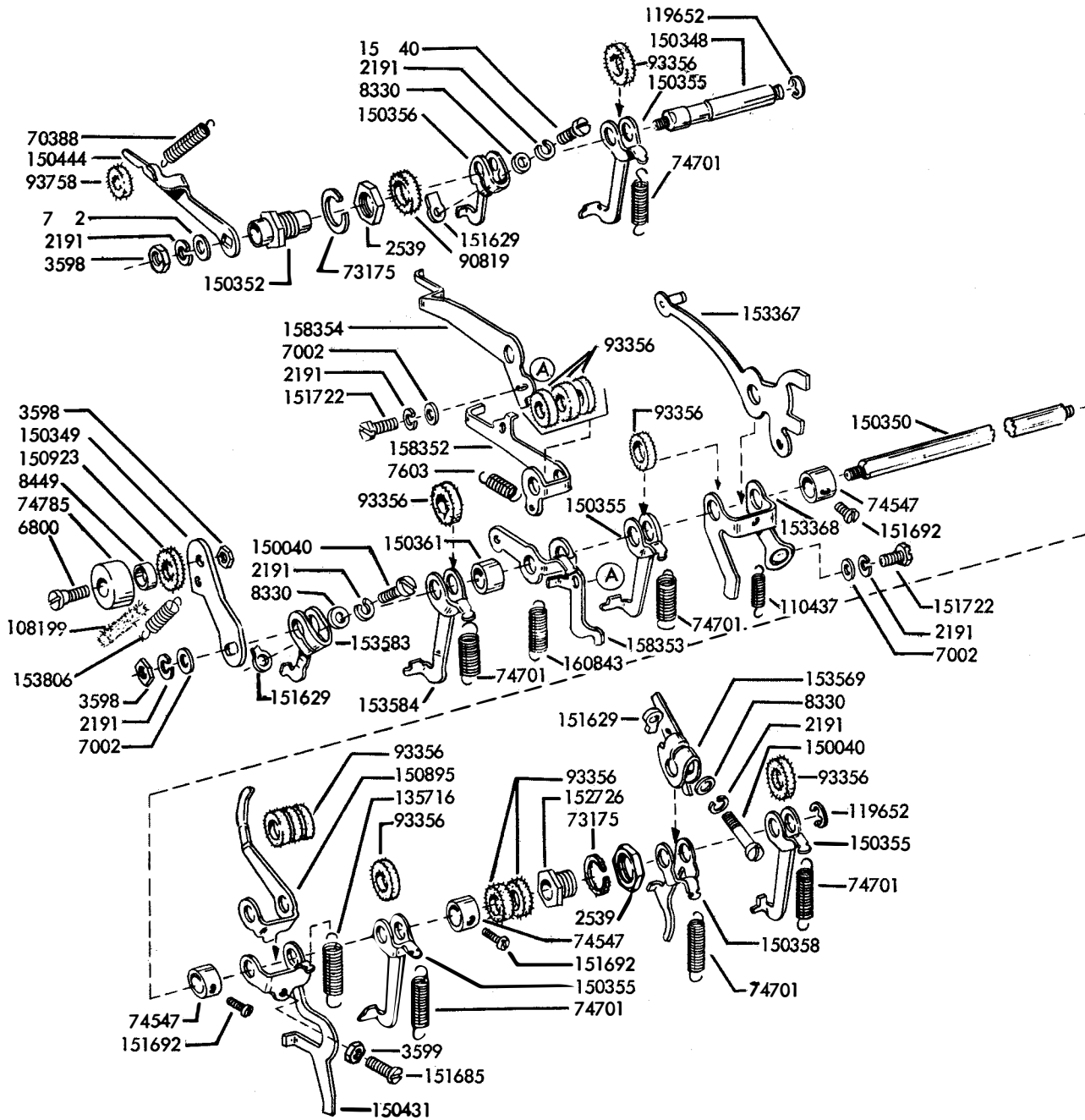


FIGURE 6-11. TRIP SHAFT MECHANISM

FIGURE 6-12. SPRING DRUM AND SPACING DRUM

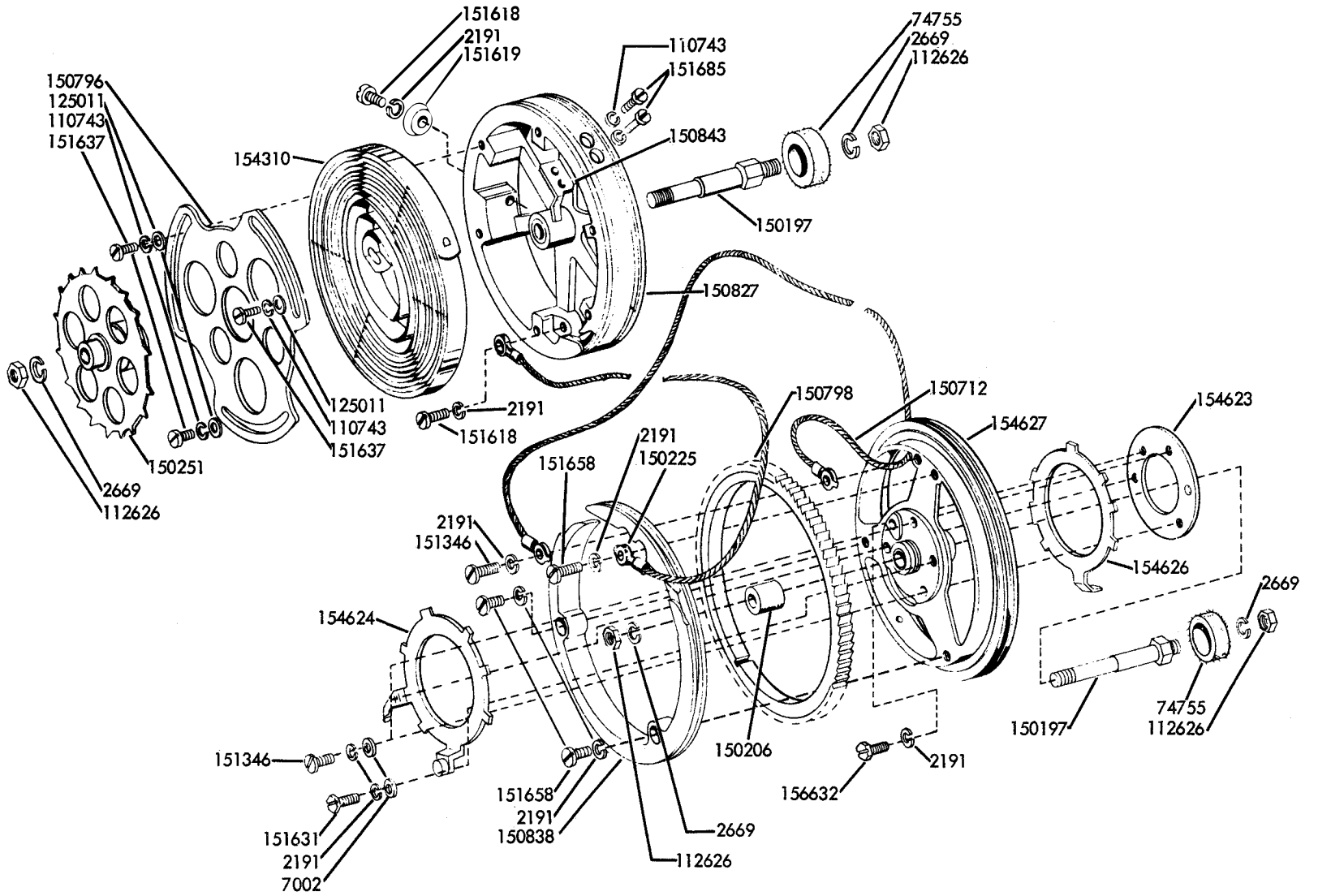


FIGURE 6-13. FRONT PLATE MECHANISM

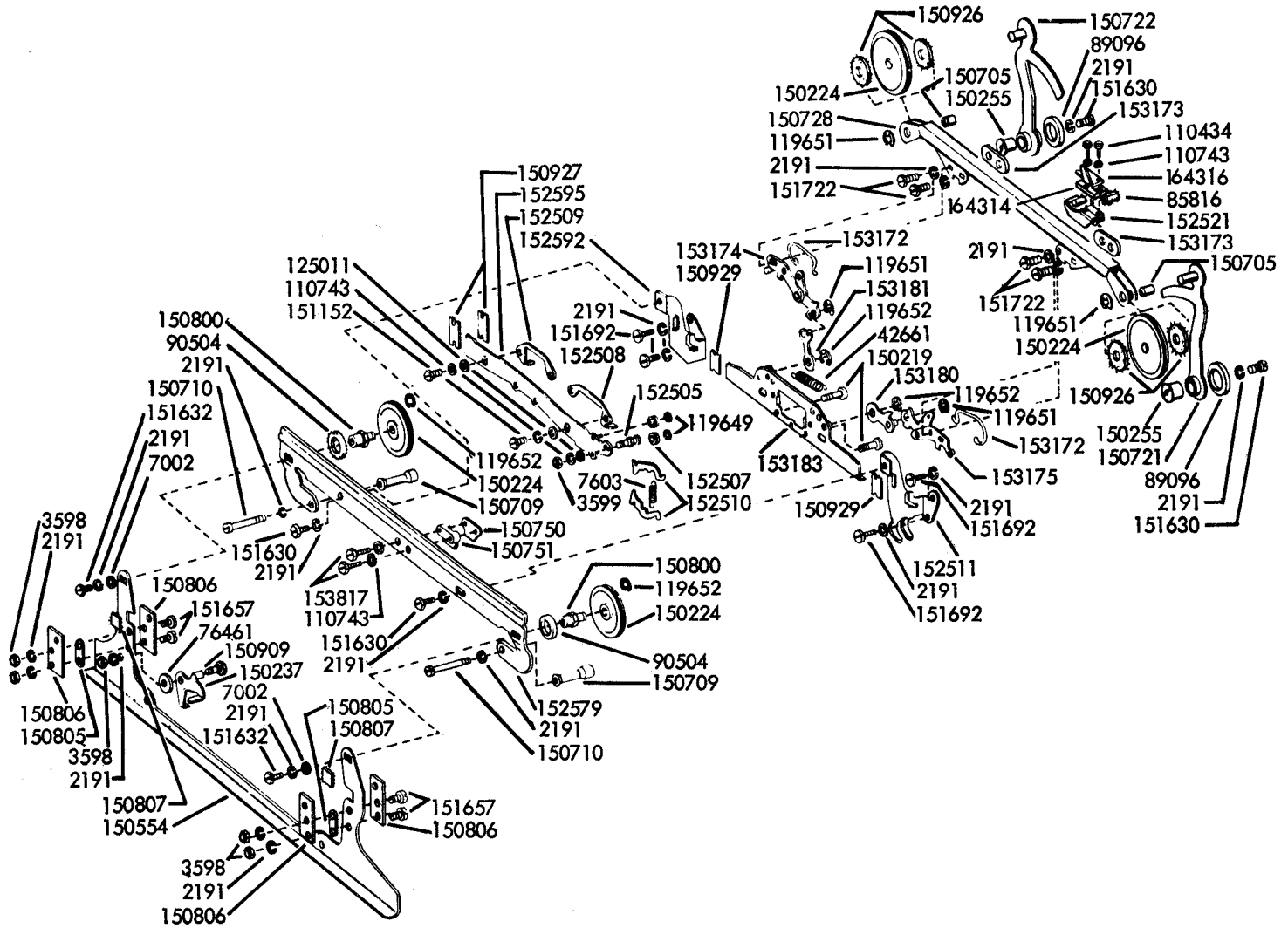


FIGURE 6-15. FRONT PLATE MECHANISM

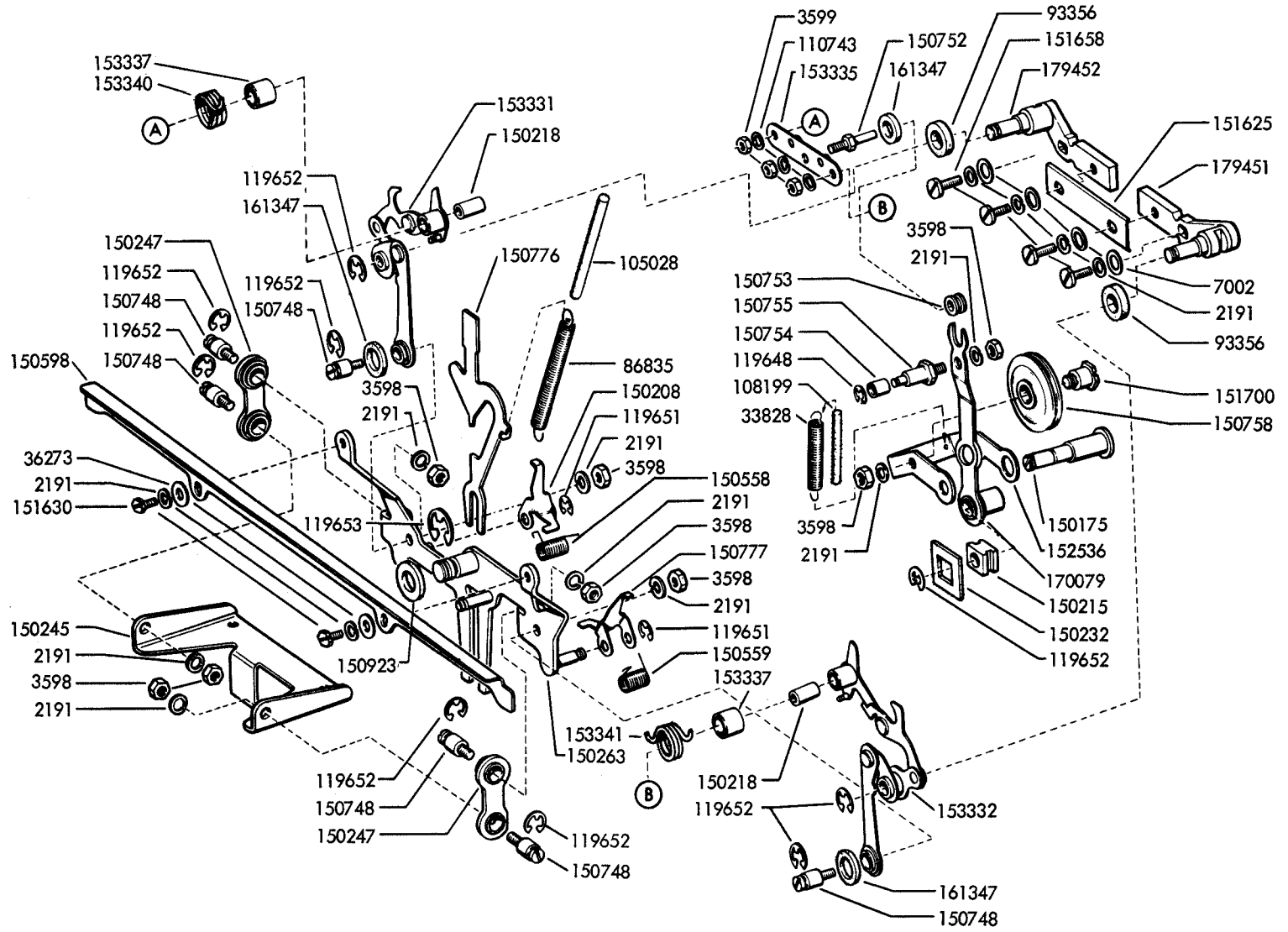


FIGURE 6-16. CODE BAR POSITIONING MECHANISM

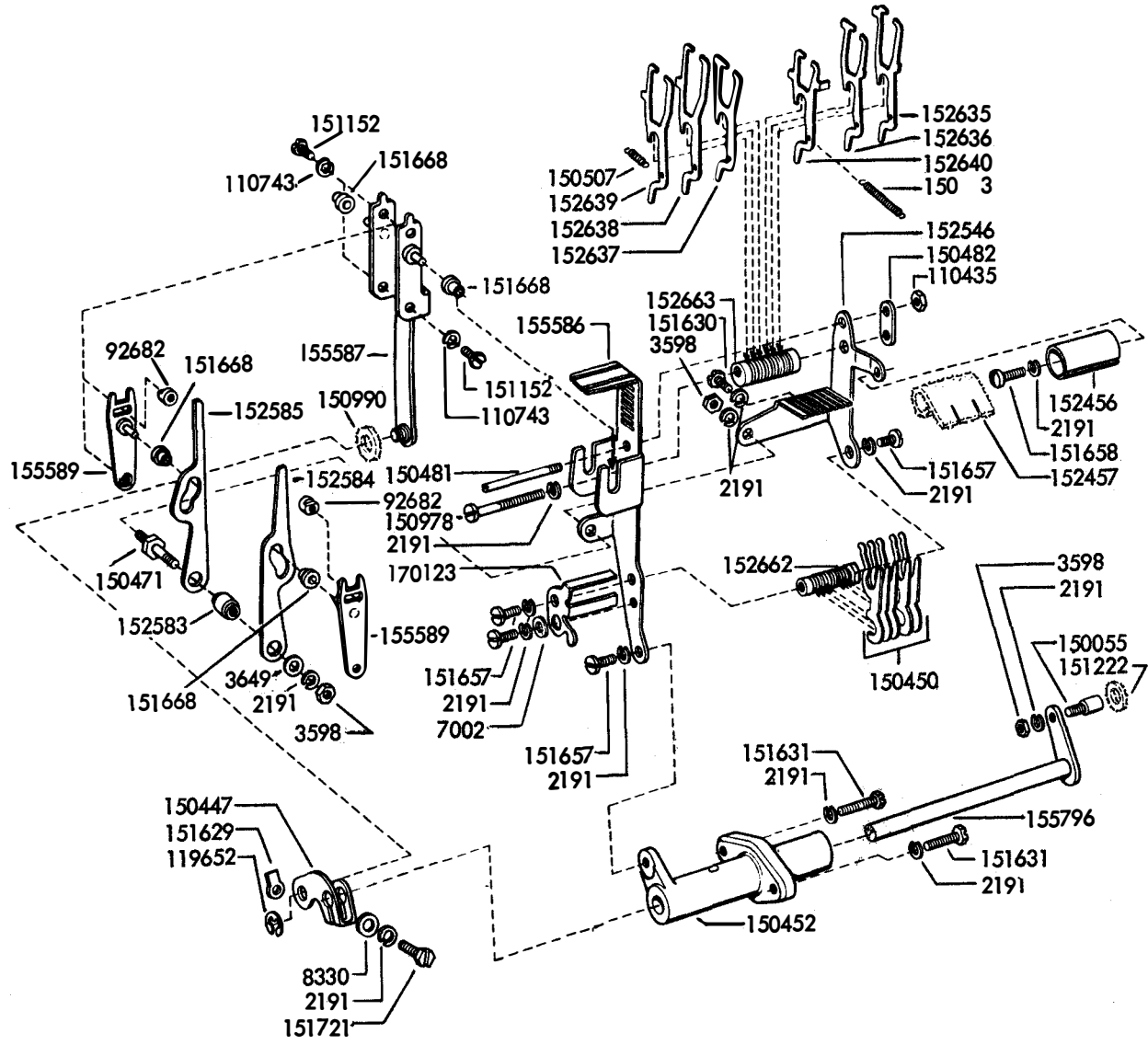
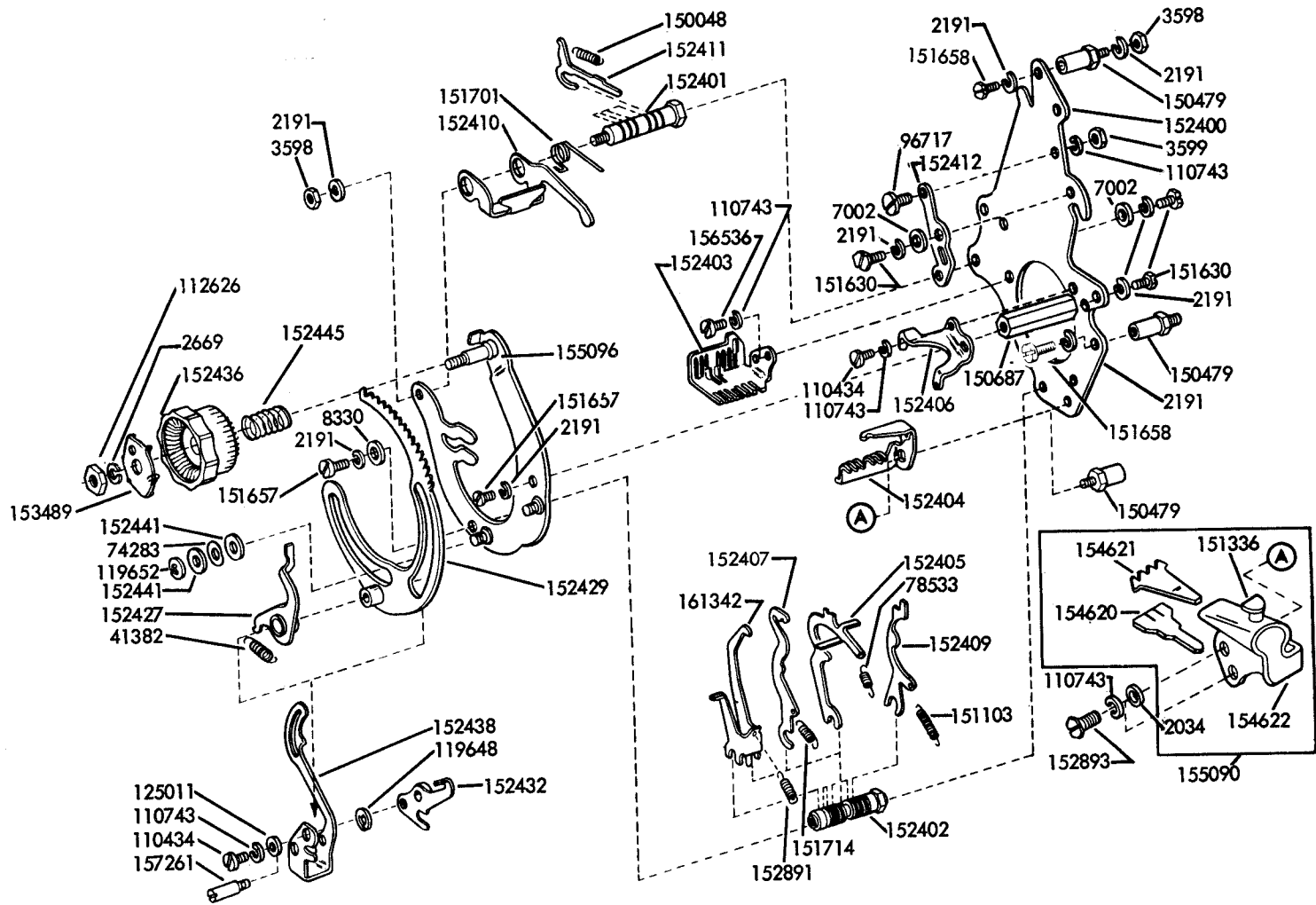
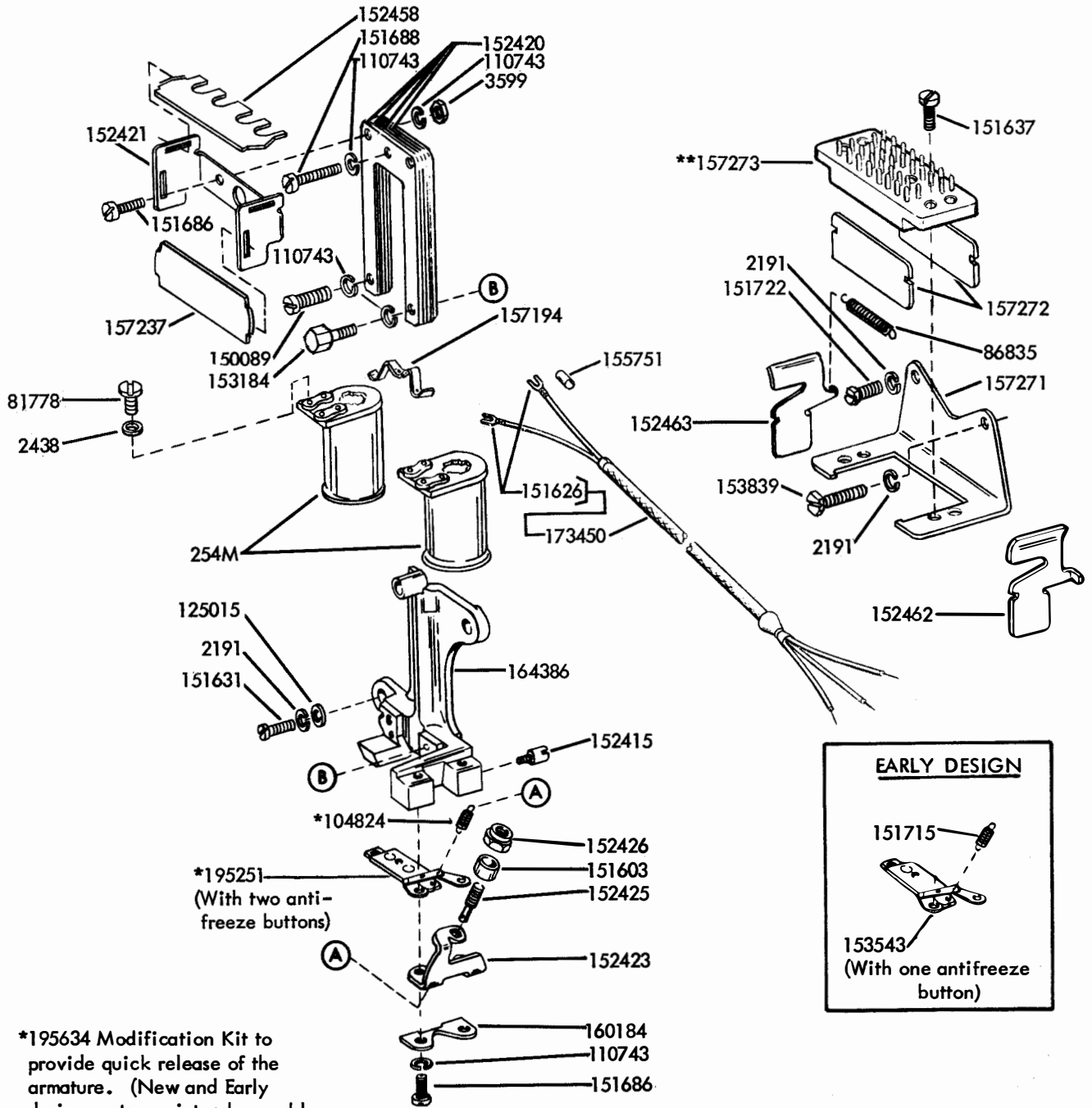


FIGURE 6-17. SELECTOR MECHANISM





*195634 Modification Kit to provide quick release of the armature. (New and Early design parts are interchangeable only in pairs).

**Part of 173698 Cable Assembly Shown on Figure 6-25

FIGURE 6-18. SELECTOR MAGNET MECHANISM

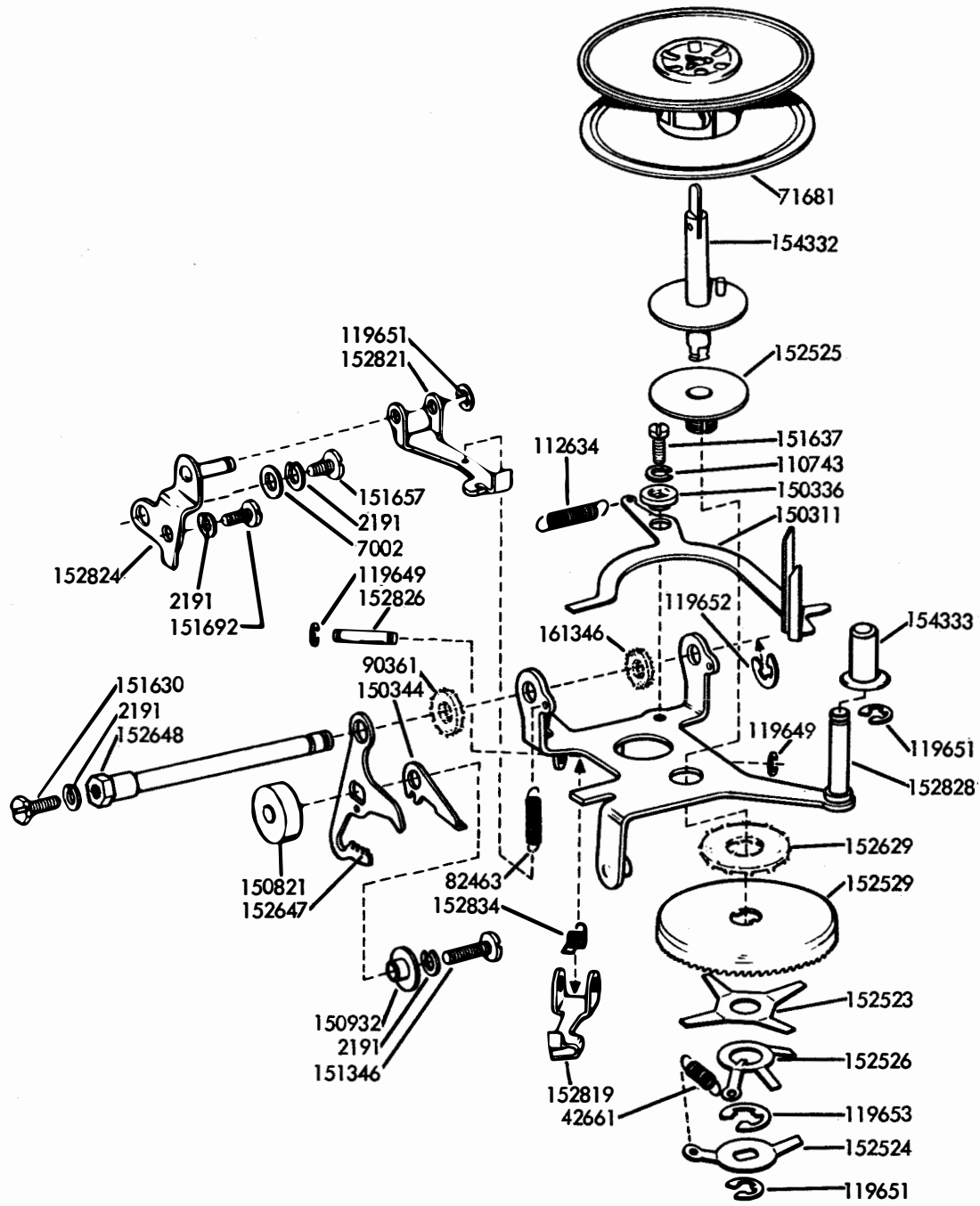


FIGURE 6-19. RIGHT RIBBON FEED MECHANISM

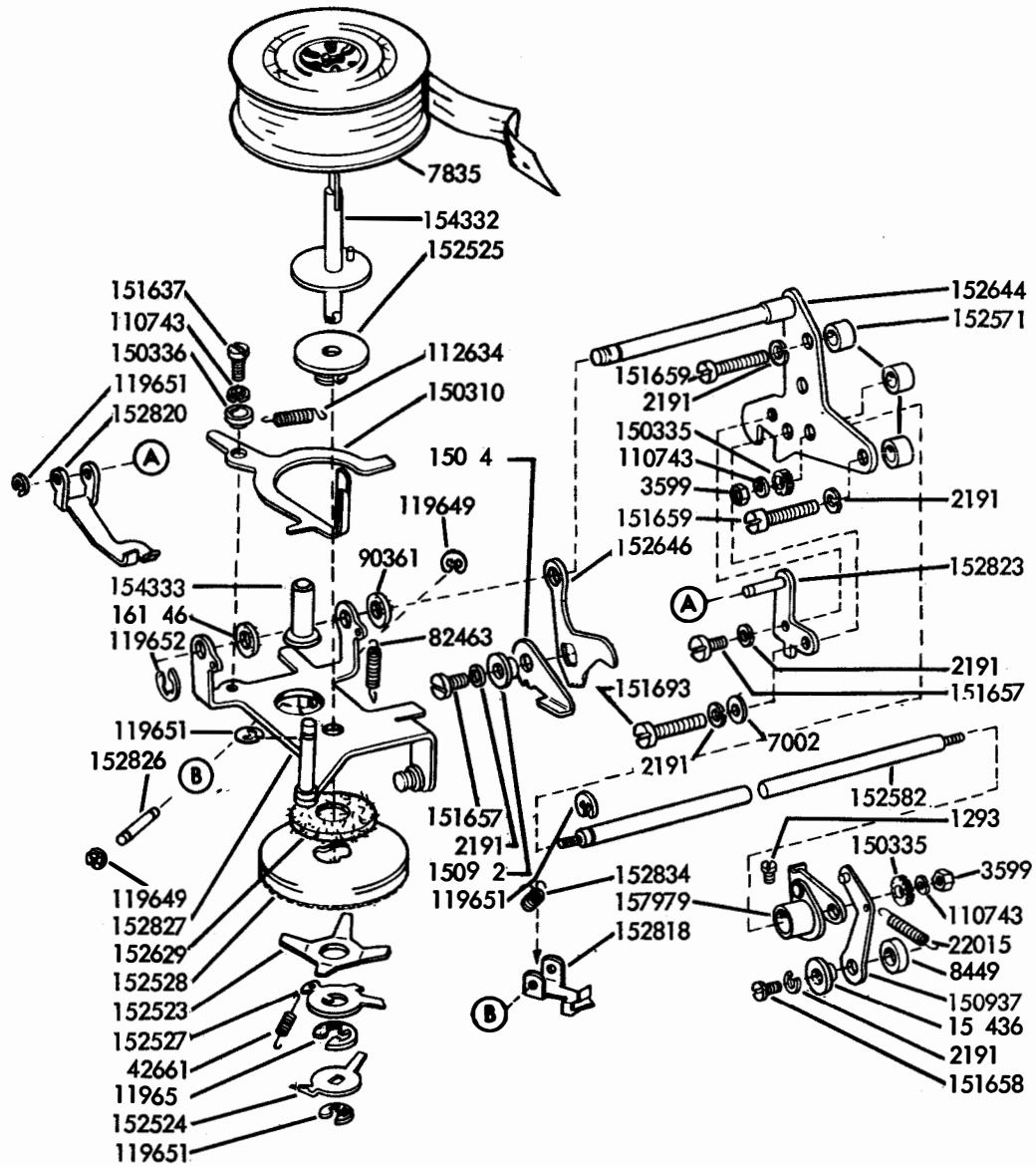
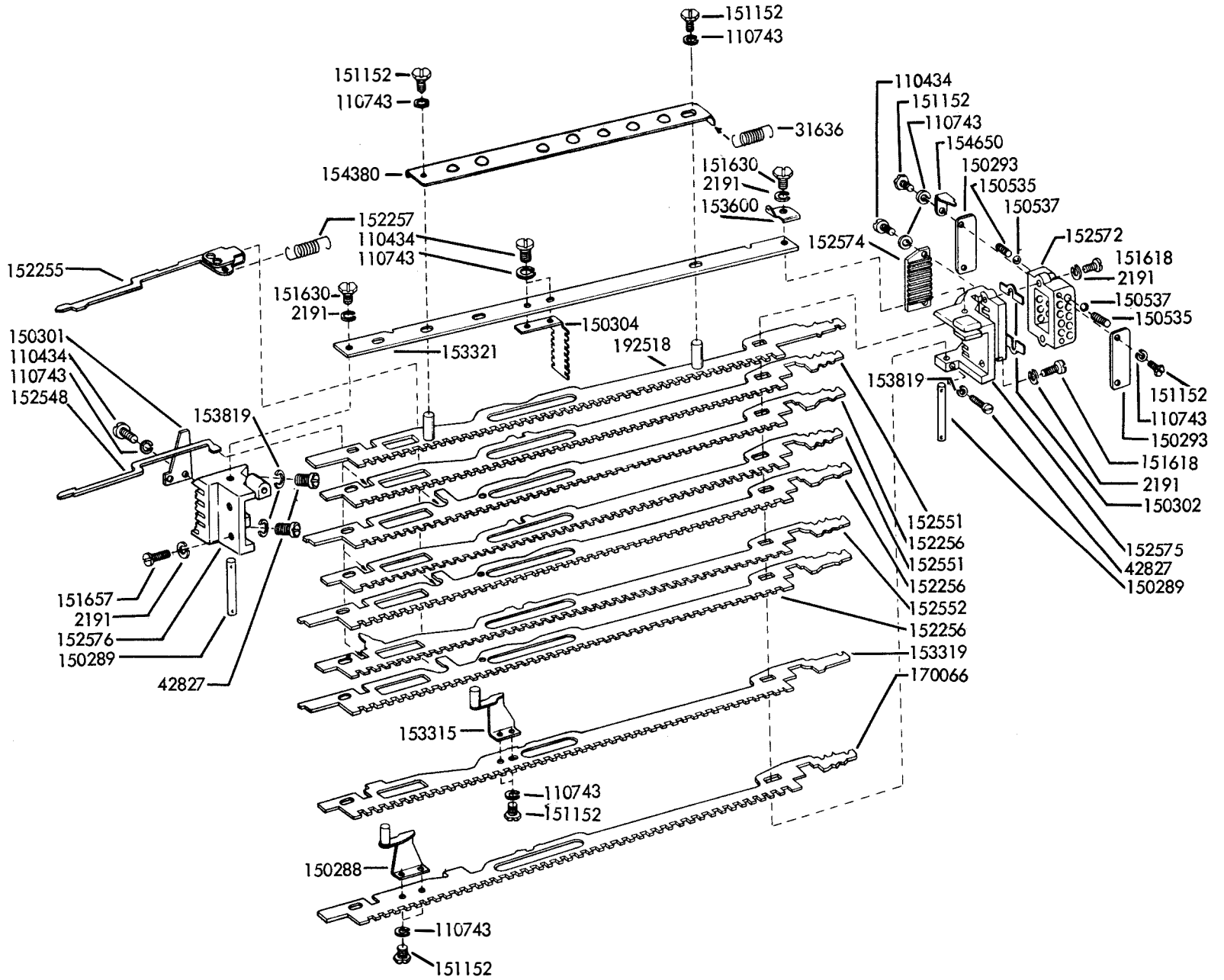


FIGURE 6-20. LEFT RIBBON FEED MECHANISM

FIGURE 6-21. CODE BAR MECHANISM



2708

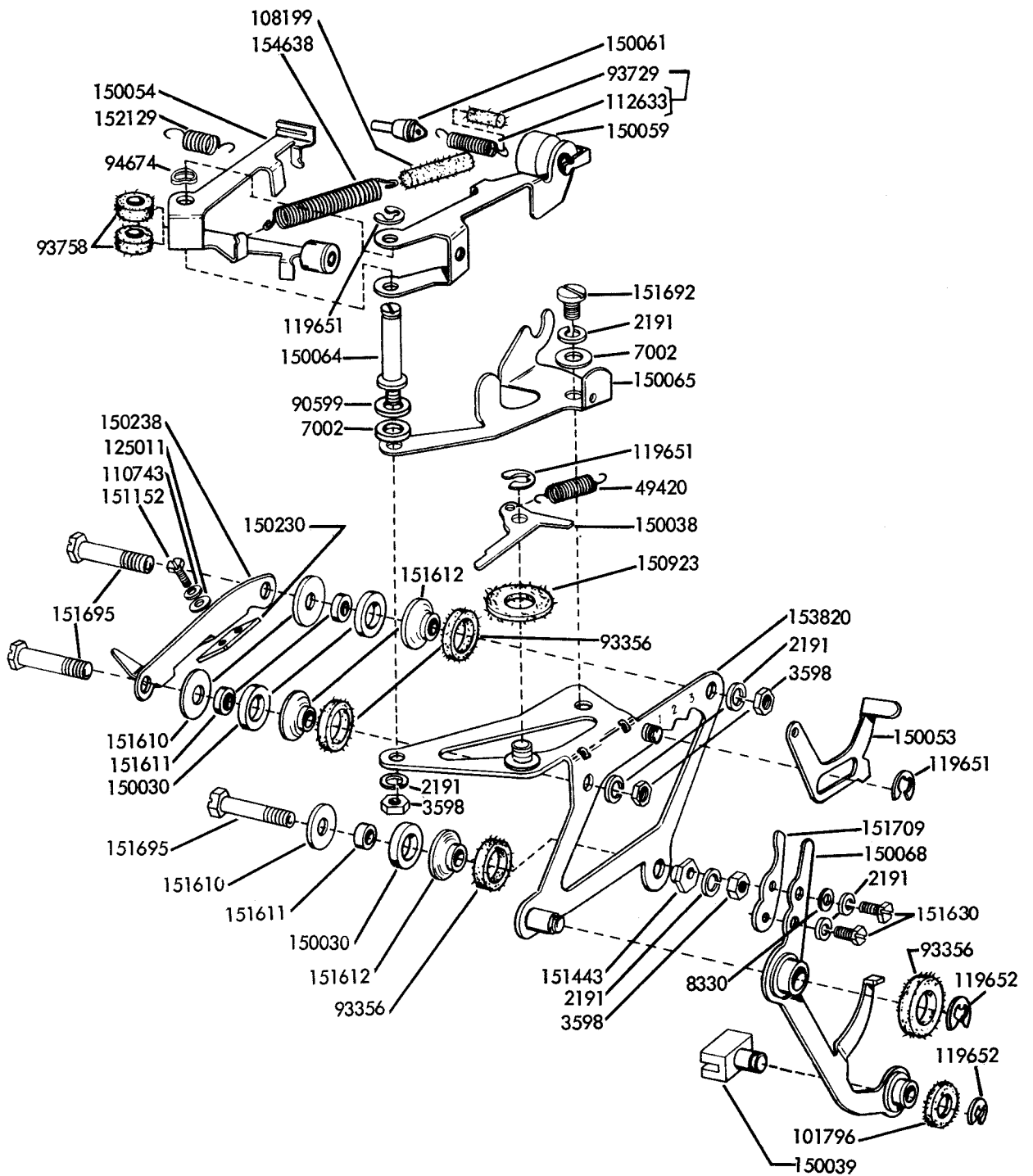
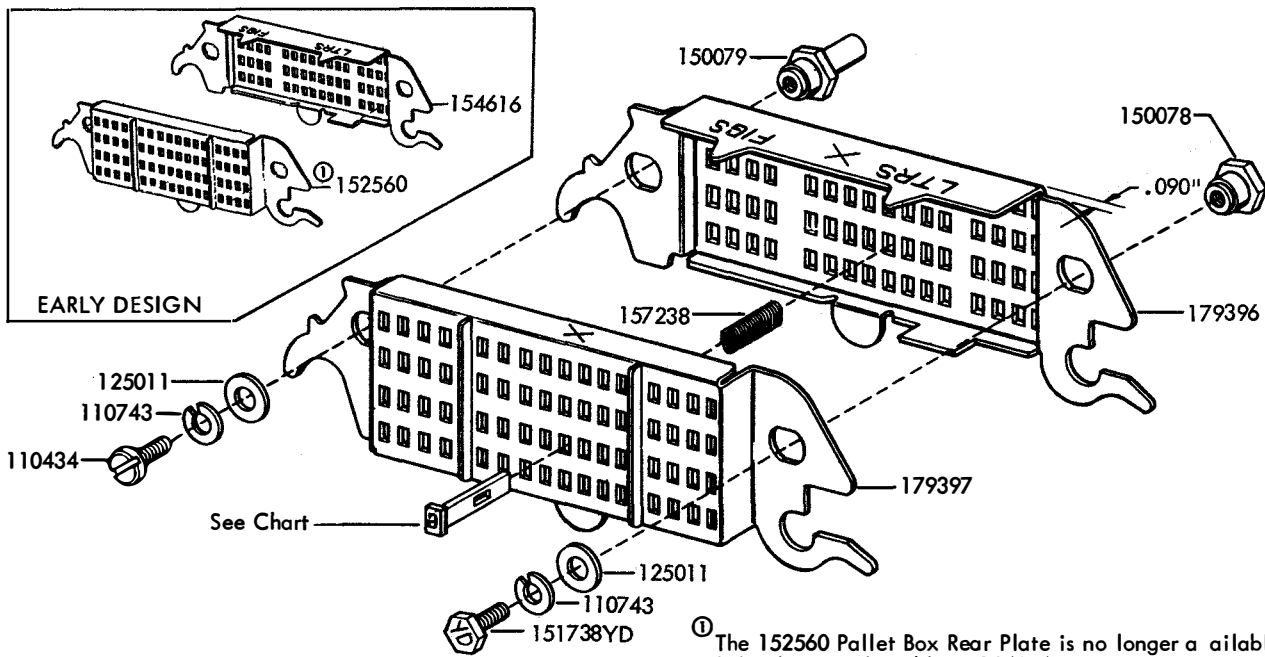


FIGURE 6-22. PRINTING CARRIAGE MECHANISM

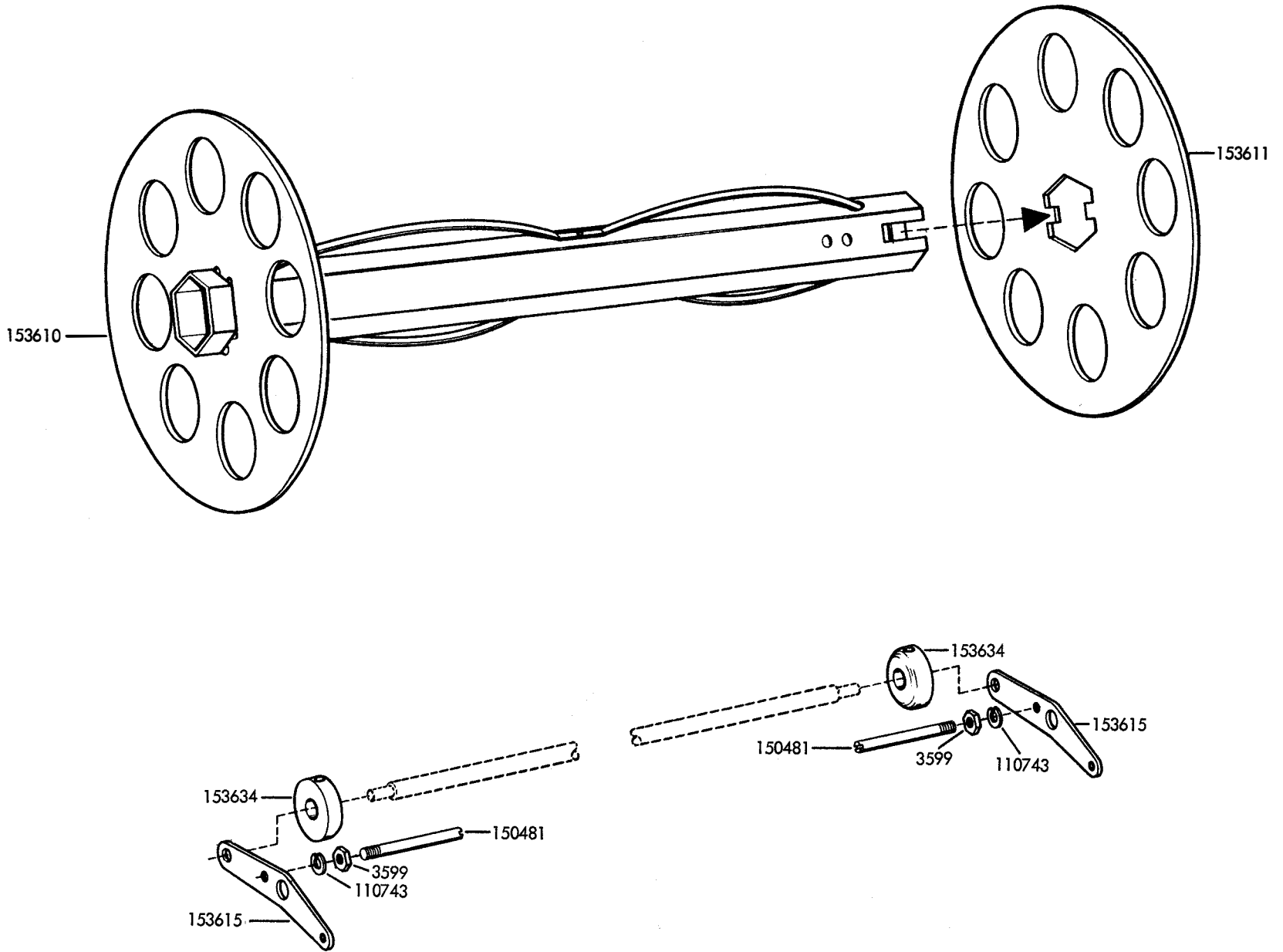


① The 152560 Pallet Box Rear Plate is no longer available. It has been replaced by a 194054 Set of Parts consisting of a 179396 Front Plate and a 179397 Rear Plate. Old and new style plates are interchangeable in pairs only. The old style 154616 Front Plate is still available for replacement purposes.

CHARACTER	NUMBER	CHARACTER	NUMBER	CHARACTER	NUMBER	CHARACTER	NUMBER
A	159752	N	159765	1	159778	"	157638
B	159753	O	159766	2	159779	'	157639
C	159754	P	159767	3	159780	;	157640
D	159755	Q	159768	4	159781	:	157641
E	159756	R	159769	5	159782	-	157642
F	159757	S	159770	6	159783	/	157643
G	159758	T	159771	7	159784	?	157644
H	159759	U	159772	8	159785	)	157645
I	159760	V	159773	9	159786	(	157646
J	159761	W	159774	∅	159788	!	157647
K	159762	X	159775	.	157636	\$	157648
L	159763	Y	159776	,	157637	&	157649
M	159764	Z	159777				

FIGURE 6-23. 173803 TYPE BOX ASSEMBLY ARRANGEMENT "YD"

FIGURE 6-24. 152340 MODIFICATION KIT TO PROVIDE MULTI-COPY PAPER HANDLING



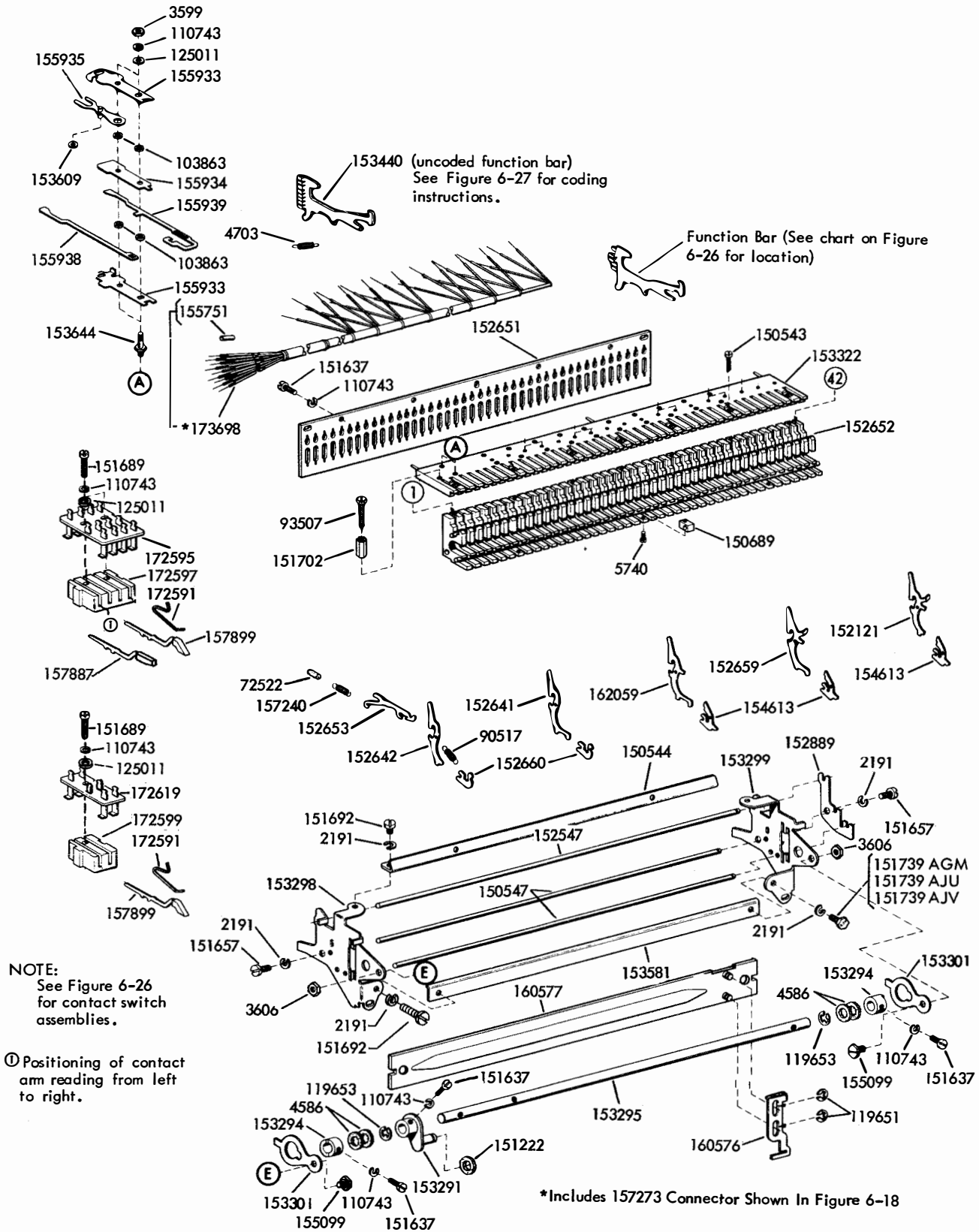


FIGURE 6-25. 173699 (AGM), 304198 (AJU) AND 304204 (AJV) FUNCTION BOX ASSEMBLIES

FUNCTION BOX ARRANGEMENT	FUNCTION BAR LOCATING SLOTS														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
AGM (173699)	BAR	155129	152666	152665	—	152667	152668	152668	152689	152689	152689	152689	152703	152702	152683
	LEVER	152642	152641	152641	—	162059	152659	152121	152121	152121	152121	152121	152642	152121	152642
AJU (304198)	BAR	155129	152666	152665	152671	152667	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1
	LEVER	152642	152641	152641	152641	162059	152121	152121	152642	152121	152121	152642	152121	152121	152642
AJV (304204)	BAR	155129	152666	152665	—	152667	152668	152668	152689	152689	152689	152689	152703	152702	152683
	LEVER	152642	152641	152641	—	162059	152659	152121	152121	152121	152121	152642	152121	152121	152642

AGM (173699)	BAR	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	LEVER	152703	152702	152684	152703	152702	152680	152701	152678	152695	152684	152697	152684	152678	152703
AJU (304198)	BAR	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1
	LEVER	152121	152121	152642	152121	152121	152642	152121	152121	152121	152121	152121	152121	152642	152121
AJV (304204)	BAR	152703	152702	152684	152703	152702	152680	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	152703
	LEVER	152121	152121	152642	152121	152121	152642	152121	152121	152121	152121	152121	152121	152642	152121

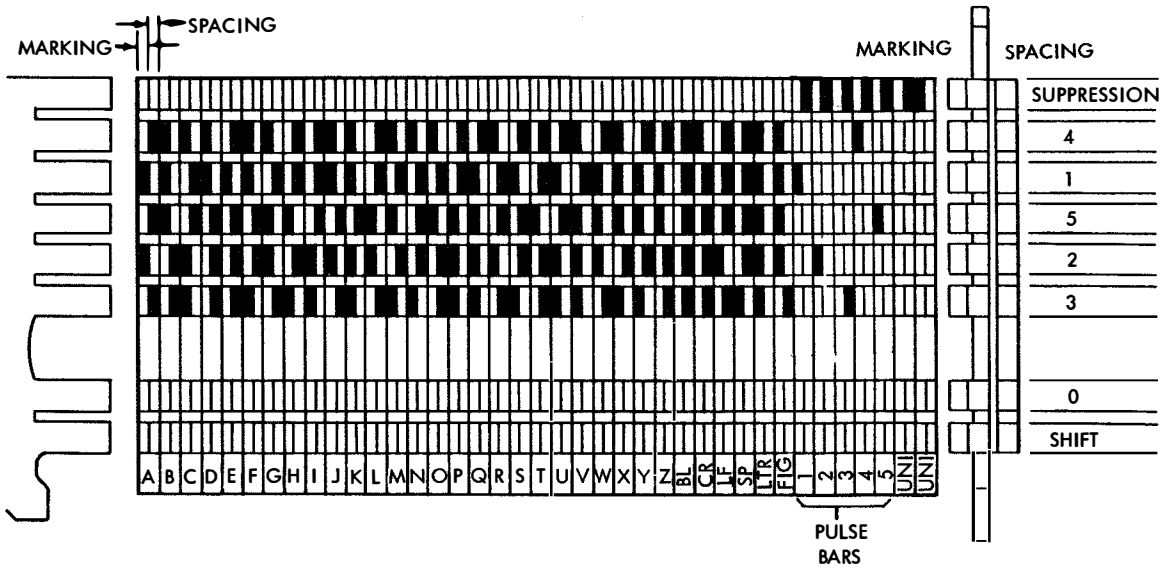
AGM (173669)	BAR	29	30	31	32	33	34	35	36	37	38	39	40	41	42
	LEVER	152695	152685	152703	152680	152688	152703	152678	152703	152678	152669	—	153435	—	—
AJU (304198)	BAR	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	Note-1	—	152668	152671	153435	—	—
	LEVER	152121	152642	152121	152121	152642	152121	152121	152642	—	152641	152641	152642	—	—
AJV (304204)	BAR	152695	152685	152703	152680	152688	152703	152678	152703	152678	152669	—	153435	—	—
	LEVER	152121	152642	152121	152121	152642	152121	152121	152121	152642	152641	—	152642	—	—

NOTE 1:
An uncoded function bar (153440) is furnished for this position. See Figure 6-27 for coding instructions.

CONTACT SWITCH ASSEMBLIES

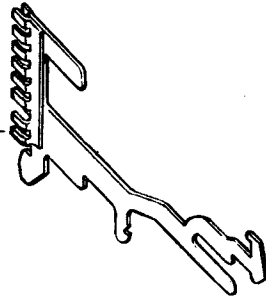
SWITCH ASM.	CONTACT PLATE	CONTACT BLOCK	CONTACT ARM POSITION			
			1	2	3	4
172532	172595	172597	157887	—	—	—
172550	172595	172597	157899	—	—	157899
172558	172595	172597	157899	—	—	—
172568	172595	172597	157887	—	—	157887
172570	172595	172597	—	157887	—	—
172608	172619	172599	157899	—	—	—

FIGURE 6-26. 173699 (AGM), 304198 (AJU) AND 304204 (AJV) FUNCTION BOX ASSEMBLIES (Continued)



BLANK SQUARES INDICATE THE TINES THAT SHOULD BE REMOVED TO CODE THE 153440 FUNCTION BAR.

153440
UNCODED FUNCTION BAR
(SEE CODING INSTRUCTIONS ABOVE)

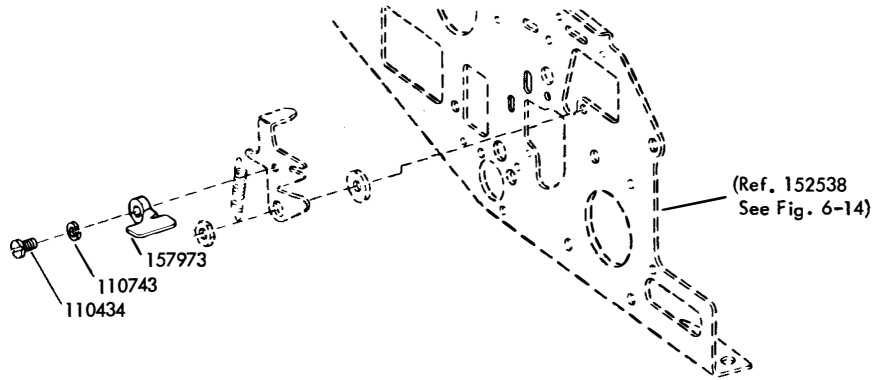


ADDITIONAL CODE BAR LEVELS AT WHICH THE FUNCTION BAR CAN BE CONTROLLED

SUPPRESSION TINES	MARKING SPACING	NON-PRINT PRINT	} THESE TERMS APPLY ONLY TO SELECTIVE CALLING
0 TINES	MARKING SPACING	SELECT NON-SELECT	
SHIFT TINES	MARKING SPACING	UPPER CASE LOWER CASE	

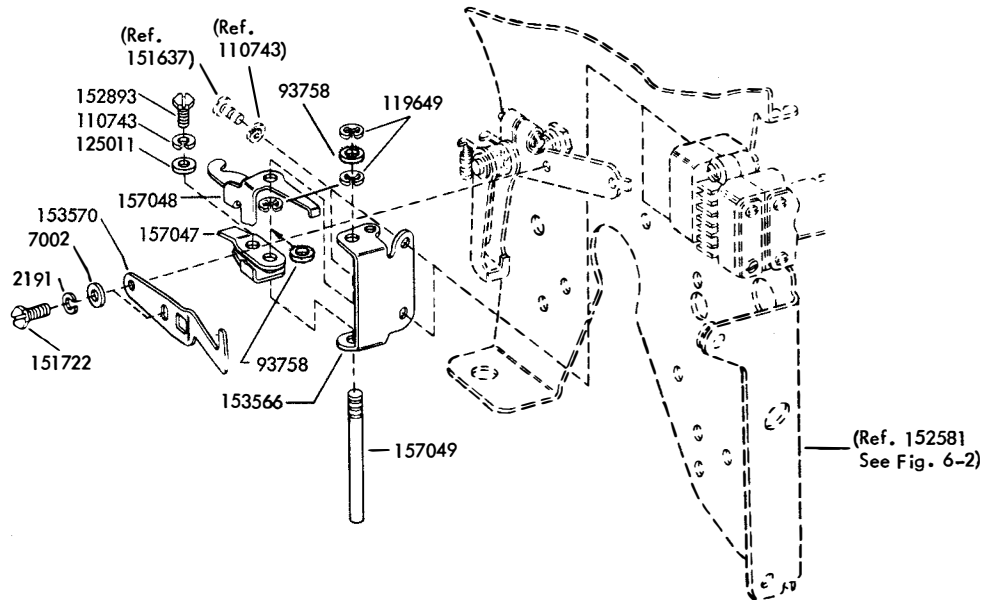
NOTE: FOR REMOVING TINES,
USE 161686 TINE TOOL

FIGURE 6-27. FUNCTION BARS



Specification 5783S

FIGURE 6-28. 157514 MODIFICATION KIT TO PROVIDE AUTOMATIC CARRIAGE RETURN AND LINE FEED



Specification 5823S

FIGURE 6-29. 157509 MODIFICATION KIT TO PROVIDE ON-LINE STUNT SHIFT CONTROL

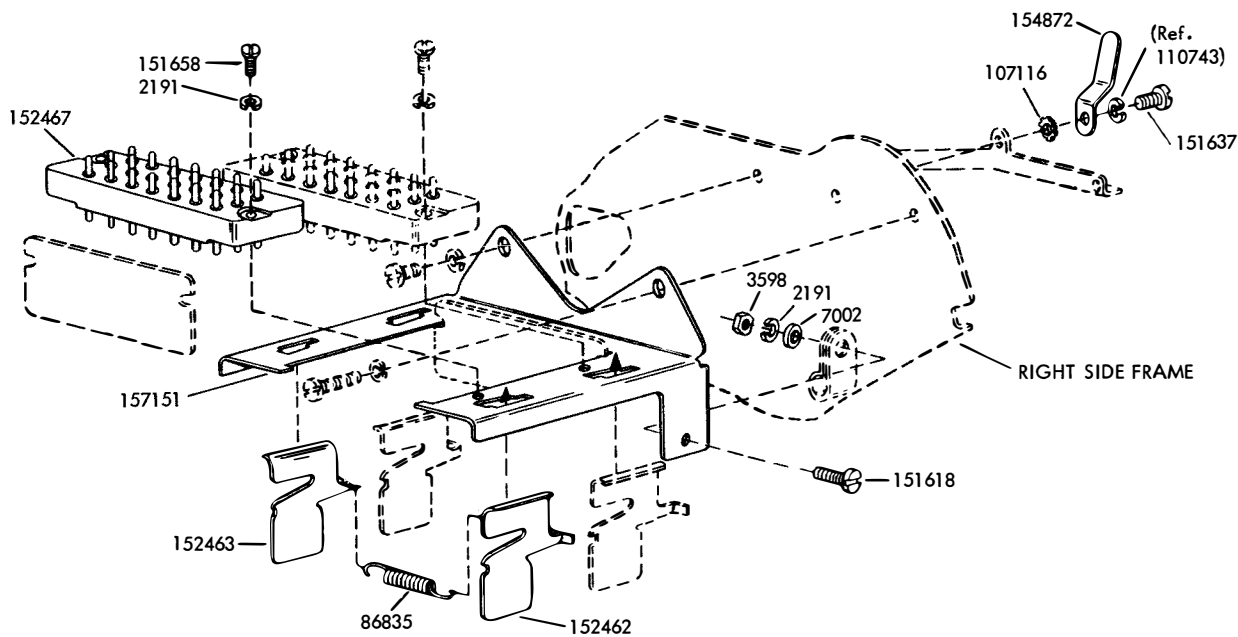


FIGURE 6-30. 153919 MODIFICATION KIT TO PROVIDE AUXILIARY CONNECTOR

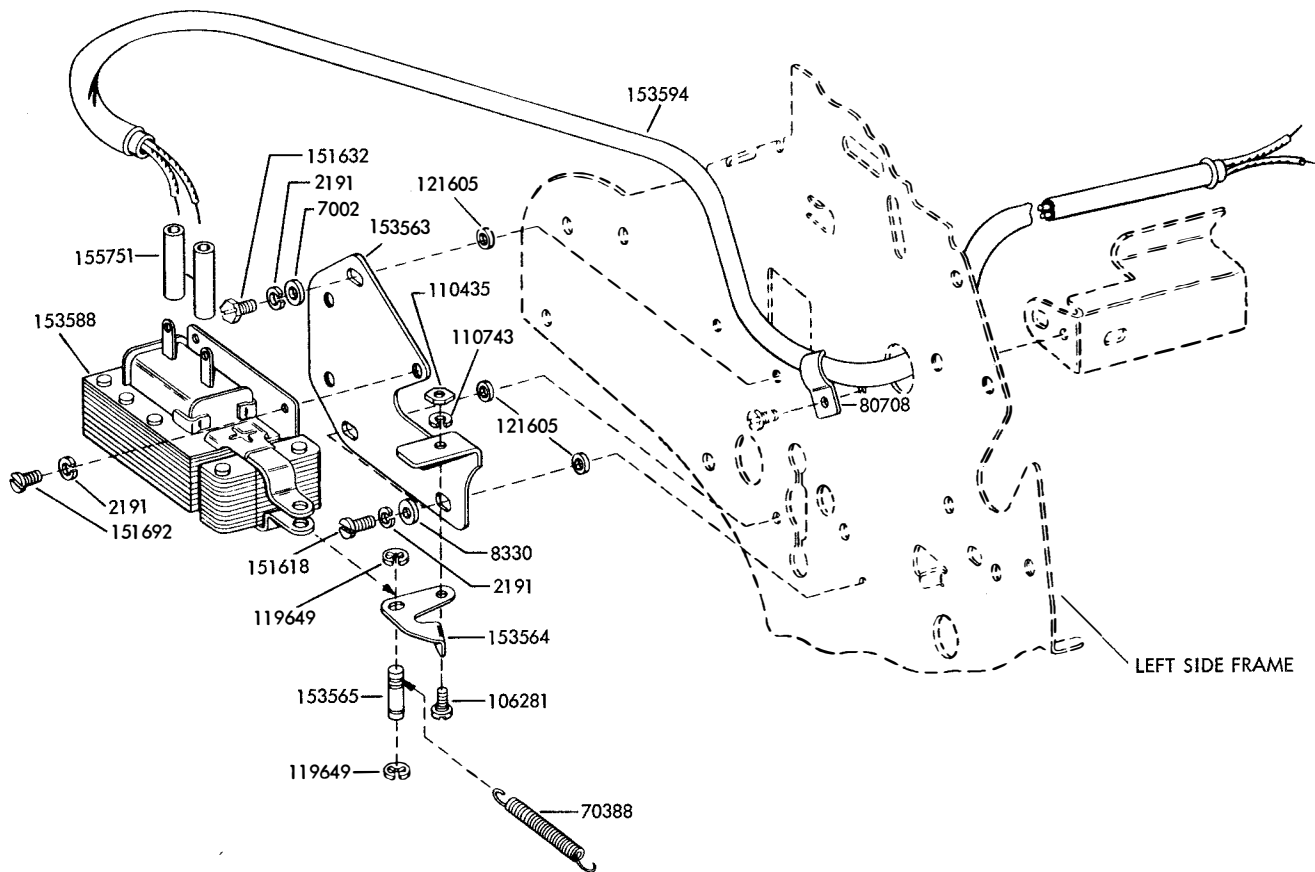


FIGURE 6-31. 152345 MODIFICATION KIT TO PROVIDE OFF-LINE STUNT SHIFT CONTROL

NUMERICAL INDEX - SECTION 6

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
254M	Coil, Magnet 6-19	78533	Spring 6-18	119653	Ring, Retaining 6-5, 6-7, 6-15, 6-16, 6-20, 6-21, 6-26, 6-31
1214	Screw, Set (10-32) 6-15	80581	Spring 6-5, 6-7, 6-15	120824	Washer, Felt 6-11
1293	Screw (5-40 x 1/8 Fil) 6-21	80708	Clamp, Cable 6-30	121243	Clamp, Cable (3/16" ID) 6-2
2034	Washer, Flat 6-18	81731	Spring 6-15	121246	Clamp, Cable (3/8" ID) 6-2
2191	Washer, Lock 6-2 to 6-23, 6-26, 6-29, 6-30, 6-31	81778	Screw (4-40 x 3/16 Fil) 6-19	121605	Bushing 6-30
2438	Washer, Flat 6-19	82442	Spring 6-5	124681	Screw, Set (6-40) 6-4
2481	Washer, Flat 6-31	82463	Spring 6-5, 6-20, 6-21	125011	Washer, Flat 6-4 to 6-9, 6-13 to 6-15, 6-18, 6-23, 6-24, 6-26, 6-29
2539	Nut (3/8-32 Hex) 6-6, 6-12	84575	Spring 6-5	125015	Washer, Flat 6-2, 6-4, 6-5, 6-6, 6-9, 6-19
2669	Washer, Lock 6-3, 6-5, 6-6, 6-8, 6-9, 6-13, 6-15, 6-18, 6-31	85816	Wick, Felt 6-14	125238	Spring 6-15
3598	Nut (6-40 Hex) 6-2 to 6-12, 6-14 to 6-18, 6-23, 6-30, 6-31	86304	Spring 6-5	125802	Washer, Flat 6-7, 6-15
3599	Nut (4-40 Hex) 6-4, 6-12, 6-14, 6-15, 6-16, 6-18, 6-21, 6-25, 6-26	86835	Spring 6-16, 6-19, 6-30	128002	Screw (2-56 x 3/16 Fil) 6-9
3606	Nut (6-40 Hex) 6-26	89096	Washer, Felt 6-14	135716	Spring 6-12
3640	Washer, Lock 6-5	89897	Nut (10-32 Hex) 6-15	139555	Spring 6-15
3649	Washer, Flat 6-17	90361	Washer, Felt 6-5, 6-8, 6-9, 6-20, 6-21	150000	Drum, Clutch 6-10, 6-11
4586	Washer, Felt 6-5, 6-26	90490	Shim (.005") 6-5	150001	Drum, Clutch 6-11
4703	Spring 6-26	90504	Washer, Felt 6-14	150004	Cam, Code Bar Clutch 6-11
5740	Screw (2-56 x 1/4 Fil) 6-26	90517	Spring 6-26	150010	Plate, Retaining 6-10
6800	Screw, Shoulder (6-40) 6-12	90599	Shim (.008") 6-23	150013	Disk, Adjusting 6-10, 6-11
7001	Washer, Flat 6-31	90679	Washer, Felt 6-5	150014	Disk, Adjusting 6-10
7002	Washer, Flat 6-2, 6-3, 6-5, 6-8, 6-9, 6-11 to 6-18, 6-20, 6-21, 6-23, 6-29 to 6-31	90791	Washer, Lock 6-9	150016	Spacer, Clutch 6-11
7036	Collar, Locking 6-5	90819	Washer, Felt 6-6, 6-12	150021	Clutch Assembly, Code Bar 6-11
7603	Spring 6-12, 6-14	92682	Nut (4-40 Spl) 6-17	150025	Clutch Assembly, Type Box 6-10
7656	Spring 6-31	93356	Washer, Felt 6-6, 6-9, 6-10, 6-12, 6-16, 6-23	150026	Lever, Shoe Release 6-10, 6-11
7835	Ribbon w/Spool (Black) 6-21	93507	Screw (4-40 x 3/4 Hex) 6-26	150027	Lever, Shoe Release 6-10
8330	Washer, Flat 6-12, 6-17, 6-18, 6-23, 6-30	93729	Wick, Felt 6-23	150029	Wick, Felt 6-10, 6-11
8449	Spacer (.094") 6-12, 6-21	93758	Washer, Felt 6-5, 6-12, 6-23, 6-29	150030	Roller, Bearing 6-23
22015	Spring 6-21	93879	Oiler, Felt 6-5	150033	Disk (3 Stop) 6-10
27425	Screw (2-56 x 5/32 Fil) 6-9	94674	Washer, Cup 6-23	150035	Disk (3 Stop) 6-10
31636	Spring 6-22	95827	Bushing 6-15	150038	Latch 6-23
33038	Spring 6-5, 6-31	96717	Screw, Shoulder (4-40) 6-18	150039	Slide, Printing Arm 6-23
33828	Spring 6-16	97481	Wick, Felt 6-6	150040	Screw (6-40 x 5/8 Fil) 6-10, 6-11, 6-12, 6-31
36273	Washer, Flat 6-16	101796	Washer, Felt 6-5, 6-9, 6-15, 6-23	150043	Shoe, Clutch 6-10, 6-11
41382	Spring 6-18	103863	Spacer 6-26	150044	Shoe, Clutch 6-10, 6-11
42661	Spring 6-14, 6-20, 6-21	104824	Spring 6-19	150045	Bearing, Sleeve 6-10
42823	Washer, Flat 6-10, 6-11	105028	Wick, Felt 6-16	150046	Bearing 6-10
42827	Screw (3-48 x 1/4 Fil) 6-22	106281	Screw, Shoulder (4-40) 6-30	150047	Bearing 6-11
45027	Spring 6-15	107116	Washer, Lock 6-2, 6-30	150048	Spring 6-18
49420	Spring 6-23	108199	Wick, Felt 6-12, 6-16, 6-23	150050	Spacer, Clutch 6-11
70388	Spring 6-12, 6-30	110434	Screw (4-40 x 3/16 Fil) 6-2, 6-3, 6-10, 6-14, 6-15, 6-18, 6-22, 6-24, 6-29	150051	Cam, Eccentric 6-11
71681	Spool, Ribbon 6-20	110435	Nut (4-40 Hex) 6-17, 6-30	150053	Bracket 6-23
72468	Spring 6-4	110437	Spring 6-12	150054	Bail w/Roller 6-23
72522	Wick, Felt 6-26	110743	Washer, Lock 6-2, 6-3, 6-4, 6-6 to 6-11, 6-13 to 6-26, 6-29, 6-30	150055	Stud 6-17
73175	Washer, Lock 6-6, 6-12	110872	Spring 6-15	150056	Arm 6-11
73520	Wick, Felt 6-15	111355	Spring 6-5	150059	Bail 6-23
74283	Washer, Spring 6-18	112626	Nut (10-32 Hex) 6-3, 6-5, 6-8, 6-9, 6-13, 6-15, 6-18	150061	Head, Print Hammer 6-23
74536	Screw, Set (6-40) 6-5	112633	Spring 6-23	150064	Stud 6-23
74547	Collar 6-12	112634	Spring 6-20, 6-21	150065	Bracket, Stop 6-23
74553	Wick, Felt 6-9	115122	Washer, Felt 6-8, 6-9	150068	Arm 6-23
74701	Spring 6-4, 6-12	117535	Washer, Flat 6-31	150078	Nut, Shoulder (4-40) 6-24
74722	Washer, Flat 6-7	119648	Ring, Retaining 6-9, 6-16, 6-18	150079	Stud 6-24
74755	Washer, Felt 6-13	119649	Ring, Retaining 6-5, 6-14, 6-15, 6-20, 6-21, 6-29, 6-30, 6-31	150089	Screw (4-40 x 1/2 Fil) 6-15, 6-19
74785	Roller 6-12	119651	Ring, Retaining 6-4, 6-5, 6-8, 6-9, 6-14, 6-16, 6-20, 6-21, 6-23, 6-26	150091	Gear (27 T) 6-10
74798	Screw (6-40 x 31/64 Fil) 6-6	119652	Ring, Retaining 6-5, 6-6, 6-8, 6-9, 6-11, 6-12, 6-14 to 6-18, 6-20, 6-21, 6-23	150096	Bail, Pressure 6-4
74882	Spring 6-9			150175	Stud 6-16
75229	Spring 6-15			150184	Link 6-15
76379	Spring 6-8, 6-9			150193	Hub 6-15
76461	Washer, Flat 6-14			150194	Plate 6-15
76747	Nut (10-32 Hex) 6-31			150196	Bail 6-15
				150197	Stud 6-13
				150202	Gear (18 T) 6-15
				150203	Retainer 6-15

NUMERICAL INDEX - SECTION 6 (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
150206	Spacer 6-13	150383	Spacer 6-8	150673	Shaft 6-15
150208	Bail 6-16	150384	Spacer 6-9	150677	Pawl, Feed 6-15
150214	Stud, Bearing 6-5	150386	Link 6-8	150678	Pawl, Feed 6-15
150215	Block, Guide 6-16	150387	Link, Ribbon Drive 6-9	150685	Plate 6-4
150218	Bushing 6-16	150392	Bail 6-5	150687	Stud 6-18
150219	Screw (4-40 x 1/2 Sq) 6-14	150395	Screw, Shoulder (6-40) 6-8, 6-9	150689	Block, Guide 6-26
150224	Pulley 6-14	150396	Lever 6-8	150694	Slide 6-15
150225	Rope, Draw Wire 6-13	150397	Lever 6-9	150705	Bushing 6-14
150228	Spacer 6-15	150398	Stud, Pivot 6-6	150709	Spacer 6-14
150229	Retainer 6-15	150399	Shaft 6-5	150710	Screw (6-40 x 1-1/4 Fil) 6-14
150230	Plate 6-23	150401	Clamp 6-8	150712	Rope, Draw Wire 6-13
150232	Retainer, Oil 6-16	150410	Stud 6-8	150714	Bearing, Sleeve 6-7
150233	Roller 6-15	150411	Washer, Flat 6-9	150715	Gear (32 T) 6-7
150234	Roller 6-15	150412	Arm, Follower 6-8	150718	Platen 6-7
150235	Slide, Transfer 6-15	150413	Arm, Follower 6-9	150719	Retainer 6-7
150237	Lever, Escapement 6-14	150414	Bushing 6-6	150720	Retainer 6-7
150238	Bracket, Clamp 6-23	150419	Shaft 6-6	150721	Arm 6-14
150241	Spring 6-10, 6-11	150420	Lever 6-9	150722	Arm 6-14
150244	Link 6-10	150423	Stud, Pivot 6-6	150728	Rail 6-14
150245	Bracket 6-16	150425	Lever, Lock 6-8, 6-9	150731	Slide 6-15
150247	Link 6-16	150428	Lever 6-8	150732	Slide 6-15
150251	Wheel, Ratchet 6-13	150429	Stud, Eccentric 6-8, 6-9	150733	Slide 6-15
150255	Bushing 6-14	150431	Lever, Trip 6-12	150738	Guide 6-15
150263	Bail 6-16	150436	Bushing 6-4, 6-15, 6-21	150746	Bushing 6-15
150265	Shaft 6-4	150440	Hub 6-10	150748	Stud 6-16
150266	Lever, Guide 6-4	150444	Lever, Trip Shaft 6-12	150750	Plate 6-14
150267	Clamp 6-4	150447	Arm 6-17	150751	Block, Guide 6-14
150269	Roller, Pressure 6-4	150450	Arm 6-17	150752	Stud 6-16
150270	Link 6-4	150452	Bearing 6-17	150753	Roller 6-16
150271	Arm 6-4	150471	Stud 6-17	150754	Roller 6-16
150274	Bracket, Clamp 6-4	150479	Stud 6-18	150755	Stud 6-16
150276	Lever 6-4	150481	Shaft 6-17, 6-25	150758	Pulley 6-16
150288	Bracket 6-22	150482	Plate 6-17	150770	Bellcrank 6-15
150289	Stud 6-22	150507	Spring 6-17	150771	Bellcrank 6-15
150293	Plate, Retaining 6-22	150535	Spring 6-22	150776	Lever, Lock 6-16
150301	Plate, Retaining 6-22	150536	Spring 6-15	150777	Bail 6-16
150302	Shim (.006") 6-22	150537	Bearing, Ball 6-15, 6-22	150781	Stud 6-5
150304	Bracket, Guide 6-22	150538	Cylinder, Dashpot 6-15	150796	Disk 6-13
150310	Lever, Ribbon 6-21	150543	Screw (3-48 x 13/32 Fil) 6-26	150798	Ratchet 6-13
150311	Lever, Ribbon 6-20	150544	Handle 6-26	150800	Stud 6-14
150318	Stud 6-7	150545	Bracket 6-2	150803	Spring 6-4
150335	Gear (12 T) 6-21	150546	Bracket 6-3	150804	Finger, Paper 6-4
150336	Bushing 6-15, 6-20, 6-21	150547	Shaft 6-26	150805	Shim (.012") 6-14
150341	Post, Spring 6-3	150549	Collar 6-10	150806	Plate 6-14
150342	Screw, Shoulder (6-40) 6-7	150554	Plate 6-14	150807	Oiler, Felt 6-14
150343	Lever 6-21	150558	Spring 6-16	150809	Gear (32 T) 6-7
150344	Lever 6-20	150559	Spring 6-16	150811	Stud 6-9
150348	Shaft 6-12	150563	Spring 6-17	150815	Bushing 6-4
150349	Arm, Follower 6-12	150585	Bar, Line Feed 6-7	150821	Spacer 6-20
150350	Shaft 6-12	150586	Lever 6-7	150824	Track 6-9
150351	Stud, Eccentric 6-3	150598	Track, Printing 6-16	150826	Guide, Paper Finger 6-4
150352	Bushing 6-12	150642	Bellcrank 6-7	150827	Drum, Spring 6-13
150353	Stud 6-3	150646	Screw, Shoulder (6-40) 6-7	150830	Bushing, Shoulder 6-10
150355	Lever, Latch 6-12	150647	Eccentric 6-7	150831	Ring, Retaining 6-10
150356	Lever, Trip 6-12	150648	Eccentric 6-7	150833	Platen Assembly 6-7
150358	Lever, Trip 6-12	150649	Washer, Spacing 6-7	150838	Ring, Retaining 6-13
150361	Spacer 6-12	150650	Bushing 6-7	150840	Bracket, Guide 6-4
150363	Plate 6-8	150651	Gear (28 T) 6-7	150841	Bearing 6-10
150364	Stud, Eccentric 6-10	150652	Screw (4-40 x 37/64 Fil) 6-7	150843	Plate 6-13
150365	Shaft, Rocker 6-8	150654	Guide 6-3	150891	Block 6-9
150366	Bracket 6-8	150656	Handwheel 6-7	150895	Arm, Trip 6-12
150367	Bracket 6-9	150658	Gear (21 T) 6-7	150900	Bail, Detent 6-3
150369	Link 6-8	150666	Gear (28 T) 6-7	150903	Block, Left 6-6
150370	Link 6-9	150668	Collar, Spacing 6-15	150904	Block, Right 6-6
150377	Arm 6-5	150669	Shim (.002") 6-15	150909	Screw, Shoulder (6-40) 6-14
150380	Stud 6-9	150670	Shim (.004") 6-15	150911	Bushing, Shoulder 6-7
150382	Block, Guide 6-8, 6-9	150672	Bearing 6-15	150912	Screw, Shoulder (6-40) 6-7

NUMERICAL INDEX - SECTION 6 (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
150923	Washer, Felt 6-12, 6-16, 6-23	151685	Screw (4-40 x 5/16 Fil) 6-6, 6-9, 6-10, 6-12, 6-13, 6-15	152421	Bracket 6-19
150926	Washer, Felt 6-14	151686	Screw (4-40 x 3/8 Fil) 6-4, 6-15, 6-19	152423	Bracket 6-19
150927	Oiler, Felt 6-14	151688	Screw (4-40 x 5/8 Fil) 6-10, 6-19	152425	Post, Spring 6-19
150929	Oiler, Felt 6-14	151689	Screw (4-40 x 3/4 Fil) 6-4, 6-11, 6-26	152426	Nut, Self-Locking (6-40 Hex) 6-19
150930	Washer, Felt 6-5	151690	Screw (10-32 x 5/16 Fil) 6-10, 6-31	152427	Latch w/Hub 6-18
150932	Bushing, Shoulder 6-20, 6-21	151692	Screw (6-40 x 3/16 Fil) 6-2 to 6-5, 6-12, 6-14, 6-15, 6-20, 6-23, 6-26, 6-30	152429	Rack, Sector 6-18
150937	Lever 6-21	151693	Screw (6-40 x 9/16 Fil) 6-10, 6-21	152432	Arm, Stop 6-18
150961	Bushing, Eccentric 6-3	151695	Screw (6-40 x 5/8 Hex) 6-23	152436	Knob Assembly 6-18
150969	Spring 6-3	151700	Screw, Shoulder (6-40) 6-16	152438	Bail 6-18
150970	Bearing, Ball 6-10	151701	Spring, Torsion 6-18	152441	Washer, Flat 6-18
150975	Cup, Dashpot 6-15	151702	Nut (4-40 Hex) 6-26	152445	Spring 6-18
150978	Screw (6-40 x 1-1/8 Fil) 6-17	151703	Pin 6-4	152447	Shaft 6-11
150987	Spacer 6-15	151709	Arm 6-23	152450	Cam, Selector 6-11
150990	Washer, Felt 6-6, 6-17	151714	Spring 6-18	152453	Clutch Asm., Selector Cam 6-11
150992	Stud 6-4	151715	Spring 6-19	152456	Holder, Wick 6-17
150998	Spacer 6-7	151721	Screw (6-40 x 3/4 Hex) 6-6, 6-17	152457	Wick, Felt 6-17
151073	Screw (4-40 x 5/32 Fil) 6-7	151722	Screw (6-40 x 3/16 Hex) 6-12, 6-14, 6-19, 6-29, 6-31	152458	Shield 6-19
151103	Spring 6-18	151723	Screw (10-32 x 3/8 Hex) 6-15	152462	Latch, Right 6-19, 6-30
151152	Screw (4-40 x 3/16 Hex) 6-14, 6-17, 6-22, 6-23	151728	Spring 6-10, 6-11	152463	Latch, Left 6-19, 6-30
151222	Washer, Felt 6-17, 6-26	151731	Screw (4-40 x 7/8 Fil) 6-7	152467	Connector, Plug (20 Pt) 6-30
151336	Oiler 6-18	151732	Screw (4-40 x 11/32 Fil) 6-10	152505	Stud 6-14
151346	Screw (6-40 x 3/8 Fil) 6-3, 6-5, 6-6, 6-7, 6-10, 6-13, 6-15, 6-20, 6-31	151733	Screw (4-40 x 3/8 Hex) 6-9	152507	Roller, Detent 6-14
151442	Screw (6-40 x 1/2 Hex) 6-8	151736	Spring 6-10	152508	Bracket 6-14
151443	Eccentric 6-23	151737	Screw (4-40 x 11/64 Hex) 6-10, 6-11	152509	Bracket 6-14
151602	Plate 6-8, 6-9	151738YD	Screw, Identification (4-40) 6-24	152510	Lever, Detent 6-14
151603	Spacer 6-9, 6-19	151739AGM	Screw, Identification (6-40) 6-26	152511	Guide 6-14
151604	Block, Guide 6-8, 6-9	151739AJU	Screw, Identification (6-40) 6-26	152514	Bail 6-5
151606	Screw (10-32 x 1/4 Hex) 6-15	151739AJV	Screw, Identification (6-40) 6-26	152515	Lever, Space Trip 6-5
151610	Washer, Flat 6-10, 6-23	151794	Washer, Spring 6-10	152516	Slide 6-5
151611	Bushing 6-23	151880	Nut (4-40 Hex) 6-9, 6-15	152518	Bail 6-5
151612	Spacer 6-23	152121	Lever, Function 6-27	152521	Slide 6-14
151618	Screw (6-40 x 7/16 Fil) 6-2, 6-13, 6-22, 6-30	152129	Spring 6-23	152523	Spring 6-20, 6-21
151619	Bushing 6-13	152140	Bail 6-5	152524	Bracket 6-20, 6-21
151625	Strip 6-16	152147	Bearing, Ball 6-9	152525	Hub 6-20, 6-21
151626	Terminal 6-19	152254	Wick, Felt 6-8, 6-9	152526	Plate 6-20
151627	Rod 6-6	152255	Bar w/Retainer 6-22	152527	Plate 6-21
151629	Nut (6-40 Lug) 6-12, 6-17, 6-31	152256	Bar, Code 6-22	152528	Ratchet, Ribbon 6-21
151630	Screw (6-40 x 1/4 Hex) 6-5, 6-9, 6-10, 6-11, 6-14 to 6-18, 6-20, 6-22, 6-23	152257	Spring 6-22	152529	Ratchet, Ribbon 6-20
151631	Screw (6-40 x 5/16 Hex) 6-3, 6-13, 6-14, 6-17, 6-19	152340	Modification Kit 6-25	152536	Bail 6-16
151632	Screw (6-40 x 3/8 Hex) 6-8, 6-9, 6-10, 6-14, 6-30	152345	Modification Kit 6-30	152537	Clamp 6-10
151637	Screw (4-40 x 1/4 Fil) 6-2, 6-7, 6-8, 6-13, 6-15, 6-19, 6-20, 6-21, 6-26, 6-30	152400	Plate 6-18	152538	Plate, Front 6-15
151640	Lever, Shoe 6-11	152401	Guide 6-18	152539	Guide 6-4
151642	Screw (6-40 x 3/4 Fil) 6-10, 6-11, 6-31	152402	Guide 6-18	152545	Lever 6-5
151644	Spring 6-8, 6-9	152403	Bracket 6-18	152546	Bracket 6-17
151657	Screw (6-40 x 1/4 Fil) 6-2 to 6-6, 6-9, 6-14, 6-15, 6-17, 6-18, 6-20, 6-21, 6-22, 6-26	152404	Bracket 6-18	152547	Shaft 6-26
151658	Screw (6-40 x 5/16 Fil) 6-2, 6-5 to 6-8, 6-13, 6-15 to 6-18, 6-21, 6-30	152405	Lever, Marking Lock 6-18	152548	Bar, Shift 6-22
151659	Screw (6-40 x 1/2 Fil) 6-21	152406	Bracket 6-18	152550	Clamp 6-8
151660	Screw (6-40 x 7/8 Fil) 6-31	152407	Lever, Spacing Lock 6-18	152551	Bar, Code 6-22
151661	Screw (6-40 x 1 Fil) 6-15	152409	Lever, Selecting 6-18	152552	Bar, Code 6-22
151668	Roller 6-17	152410	Bail, Reset 6-18	152560	Plate, Rear Type Box 6-24
		152411	Lever, Push 6-18	152563	Bracket 6-5
		152412	Link 6-18	152571	Spacer 6-21
		152415	Stud 6-19	152572	Bracket 6-22
		152420	Lamination 6-19	152573	Retainer 6-11
				152574	Plate 6-22
				152575	Bracket 6-22
				152576	Bracket 6-22
				152579	Track 6-14
				152580	Frame, Right Side 6-2
				152581	Frame, Left Side 6-3
				152582	Shaft 6-21
				152583	Bearing, Sleeve 6-17
				152584	Lever 6-17
				152585	Lever 6-17
				152586	Bracket 6-15
				152589	Clamp 6-8

NUMERICAL INDEX - SECTION 6 (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
152592	Guide 6-14	153175	Link 6-14	153594	Cable Assembly 6-30
152593	Housing, Bearing 6-9	153180	Link 6-14	153600	Bracket, Spring 6-22
152595	Slide 6-14	153181	Link 6-14	153609	Roller 6-26
152596	Slide, Shift 6-15	153183	Slide 6-14	153610	Spindle, Paper 6-25
152629	Washer, Friction 6-20, 6-21	153184	Post 6-19	153611	Disk, Paper Spindle 6-25
152634	Washer, Flat 6-15	153235	Plate 6-10	153615	Lever 6-25
152635	Lever, Transfer (No. 1) 6-17	153236	Gear (42 T) 6-10	153634	Collar 6-4, 6-25
152636	Lever, Transfer (No. 2) 6-17	153255	Bail 6-5	153644	Stud 6-26
152637	Lever, Transfer (No. 3) 6-17	153256	Bracket 6-15	153806	Spring 6-12
152638	Lever, Transfer (No. 4) 6-17	153291	Arm 6-26	153810	Guide, Ribbon 6-9
152639	Lever, Transfer (No. 5) 6-17	153292	Plate 6-11	153815	Clutch Assembly, Function 6-11
152640	Lever, Transfer (C) 6-17	153293	Spacer 6-11	153817	Screw (4-40 x 3/8 Hex) 6-14, 6-15
152641	Lever, Function 6-26, 6-27	153294	Cam 6-26	153819	Washer, Lock 6-22
152642	Lever, Function 6-26, 6-27	153295	Shaft 6-26	153820	Frame, Printing Carriage 6-23
152644	Bracket 6-21	153296	Eccentric 6-11	153823	Collar 6-11
152646	Lever, Reversing 6-21	153298	Bracket, Right 6-26	153824	Clamp 6-11
152647	Lever, Reversing 6-20	153299	Bracket, Left 6-26	153839	Screw (6-40 x 5/8 Hex) 6-9, 6-19
152648	Stud 6-20	153300	Arm 6-11	153841	Screw (6-40 x 9/16 Hex) 6-6, 6-8
152651	Plate, Guide 6-26	153301	Arm 6-26	153919	Modification Kit 6-30
152652	Bar, Guide 6-26	153304	Bushing, Shoulder 6-3	154253	Stud 6-15
152653	Pawl, Function 6-26	153305	Spring 6-5	154310	Spring 6-13
152659	Lever, Function 6-26, 6-27	153310	Bail 6-5	154332	Shaft 6-20, 6-21
152660	Plate, Spring 6-26	153311	Arm 6-5	154333	Roller 6-20, 6-21
152662	Shaft 6-17	153312	Lever 6-3	154356	Bail 6-9
152663	Guide 6-17	153314	Bracket 6-5	154380	Bracket w/Post 6-22
152665	thru	153315	Bracket 6-22	154389	Cam, Eccentric 6-15
152669	Bar, Function 6-27	153319	Bar, Code 6-22	154613	Latch 6-26
152671	Bar, Function 6-27	153321	Bracket, Tie 6-22	154614	Cam, Spacing 6-10
152678	Bar, Function 6-27	153322	Guide 6-26	154616	Plate, Pallet Box 6-24
152680	Bar, Function 6-27	153323	Ring 6-11	154620	Wick, Felt 6-18
152683	Bar, Function 6-27	153331	Linkage 6-16	154621	Retainer 6-18
152684	Bar, Function 6-27	153332	Linkage 6-16	154622	Lubricator 6-18
152685	Bar, Function 6-27	153333	Plate 6-16	154623	Ring, Retaining 6-13
152688	Bar, Function 6-27	153335	Plate 6-16	154624	Ring w/Roller 6-13
152689	Bar, Function 6-27	153337	Bushing 6-16	154626	Ring 6-13
152695	Bar, Function 6-27	153340	Spring 6-16	154627	Drum, Spacing 6-13
152697	Bar, Function 6-27	153341	Spring 6-16	154638	Spring 6-23
152701	Bar, Function 6-27	153367	Arm 6-12	154650	Clip 6-22
152702	Bar, Function 6-27	153368	Bail, Follower 6-12	154688	Spring 6-6
152703	Bar, Function 6-27	153382	Bail, Transfer 6-5	154694	Disk, Clutch 6-10, 6-11
152723	Spring 6-4	153383	Arm 6-5	154872	Bracket 6-2, 6-30
152725	Spring 6-4	153385	Bar, Function 6-27	155041	Plate 6-5
152726	Bushing 6-12	153435	Bar, Function 6-27	155042	Bracket 6-5
152818	Lever, Detent 6-21	153440	Bar Function 6-26, 6-27, 6-28	155044	Spacer 6-11
152819	Lever, Right Detent 6-20	153442	Screw (10-32 x 1/2 Hex) 6-6	155047	Disk 6-11
152820	Lever, Left Feed 6-21	153489	Detent 6-18	155081	Post, Spring 6-15
152821	Lever, Right Feed 6-20	153530	Plate 6-9	155090	Lubricator Assembly 6-18
152823	Bracket 6-21	153531	Plate, Adjusting 6-9	155096	Plate w/Studs 6-18
152824	Bracket 6-20	153532	Screw, Adjusting (4-40) 6-9	155099	Screw, Shoulder (6-40) 6-26
152826	Pin, Detent 6-20, 6-21	153543	Armature 6-19	155129	Bar, Function 6-27
152827	Bracket, Left Spool 6-21	153550	Link 6-6	155586	Bracket 6-17
152828	Bracket, Right Spool 6-20	153553	Roller 6-6	155587	Link w/Stud 6-17
152831	Clip 6-2, 6-3	153558	Link 6-6	155589	Plate w/Stud 6-17
152832	Shaft 6-4	153563	Bracket 6-30	155751	Sleeve, Insulating (1/8 ID x 1" Lg) 6-19, 6-26, 6-30
152834	Spring 6-20, 6-21	153564	Sever 6-30	155796	Shaft 6-17
152871	Spring 6-7	153565	Pin 6-30	155864	Shaft, Cam 6-6
152887	Screw (4-40 x 1/2 Hex) 6-10, 6-11	153566	Bracket 6-29	155865	Stud 6-6
152889	Plate, Retaining 6-26	153569	Arm, Trip 6-12	155933	Plate, Guide 6-26
152890	Washer, Flat 6-15	153570	Arm, Suppression 6-29	155934	Plate 6-26
152891	Spring 6-18	153573	Bail 6-6	155935	Fork w/Post 6-26
152893	Screw (4-40 x 1/4 Hex) 6-5, 6-6, 6-8, 6-18, 6-29	153576	Cam, Function 6-11	155938	Slide 6-26
153172	Spring 6-14	153577	Washer, Felt 6-6	155939	Slide 6-26
153173	Plate, Clamp 6-14	153581	Handle 6-26	156093	Washer, Felt 6-7
153174	Link 6-14	153582	Screw, Shoulder (6-40) 6-5		
		153583	Lever, Trip 6-12		
		153584	Lever, Latch 6-12		
		153586	Guide 6-3		
		153587	Guide 6-2		
		153588	Solenoid 6-30		

NUMERICAL INDEX - SECTION 6 (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
156536	Screw (4-40 x 1/8 Fil) 6-18	158352	Bail, Trip 6-12	172591	Spring, Contact Arm 6-26
156632	Screw (6-40 x 13/32 Hex) 6-13	158353	Bail, Stop 6-12	172595	Plate, Contact 6-26, 6-27
157047	Lever 6-29	158354	Arm, Extension 6-12	172597	Block, Contact 6-26, 6-27
157048	Lever 6-29	158365	Blade, Reset 6-6	172599	Block, Contact 6-26, 6-27
157049	Pin 6-29	159341	Bearing, Ball 6-8, 6-11	172608	Switch Assembly 6-27
157151	Bracket 6-30	159752	thru	172619	Plate, Contact 6-26, 6-27
157194	Retainer, Spring 6-19	159788	Pallet, Type 6-24	173450	Cable 6-19
157237	Shield 6-19	160184	Plate, Stop 6-19	173698	Cable Assembly 6-19, 6-26
157238	Spring 6-24	160576	Slide, Stripper 6-26	173699	Box Assembly, (AGM) Stunt 6-26, 6-27
157240	Spring 6-26	160577	Blade, Bail 6-26	173803	Box Assembly, (YD) Pallet 6-24
157241	Bracket, Roller 6-6	160843	Spring 6-12	179235	Bracket, Right Mounting 6-31
157261	Shaft 6-18	161342	Lever, Start 6-18	179236	Bracket, Left Mounting 6-31
157271	Bracket 6-19	161346	Washer, Felt 6-20, 6-21	179237	Clamp 6-31
157272	Insulator (.062") 6-19	161347	Washer, Felt 6-6, 6-15, 6-16	179238	Clamp 6-31
157273	Connector, Plug (35 Pt.) 6-19, 6-26	162059	Lever, Function 6-27	179239	Bracket, Right Mounting 6-31
157289	Bar, Cross 6-4	162573	Retainer 6-10	179240	Bracket, Left Mounting 6-31
157290	Bail, Pressure 6-4	162728	Arm 6-5	179241	Rack, Copy Display 6-31
157291	Guide, Rear Paper 6-4	162729	Bar, Guide 6-5	179301	Plate, Paper Guide 6-31
157505	Clutch Assembly, Spacing 6-10	163459	Gear (66 T) 6-10	179309	Finger, Left Paper 6-31
157506	Clutch Assembly, Line Feed 6-10	163503	Gear (26 T) 6-10	179310	Finger, Right Paper 6-31
157509	Modification Kit 6-29	164314	Plate 6-14	179366	Shaft 6-31
157514	Modification Kit 6-29	164316	Plate, Clamp 6-14	179368	Roller, Paper Guide 6-31
157636	thru	164386	Bracket 6-19	179369	Modification Kit 6-31
157649	Pallet, Type 6-24	164577	Bracket 6-31	179377	Post 6-31
157887	Arm, Contact 6-26, 6-27	170062	Bail 6-15	179396	Plate, Front Type Box 6-24
157899	Arm, Contact 6-26, 6-27	170063	Lever 6-15	179397	Plate, Rear Type Box 6-24
157972	Bellcrank 6-15	170066	Bar, Code 6-22	179451	Plate, Right 6-16
157973	Extension 6-29	170079	Arm 6-16	179452	Plate, Left 6-16
157979	Link, Toggle 6-21	170123	Bracket, Retaining 6-17	192518	Bar, Code 6-22
157990	Bracket 6-5	172532	Switch Assembly 6-27	194054	Plate, Pallet Box 6-24
157991	Stud 6-5	172550	Switch Assembly 6-27	195251	Armature 6-19
158335	Stud 6-15	172558	Switch Assembly 6-27	195634	Modification Kit 6-19
		172568	Switch Assembly 6-27	304198	Box Assembly, (AJU) Stunt 6-26, 6-27
		172570	Switch Assembly 6-27	304204	Box Assembly, (AJV) Stunt 6-26, 6-27

SECTION 7
TRANSMITTER DISTRIBUTOR

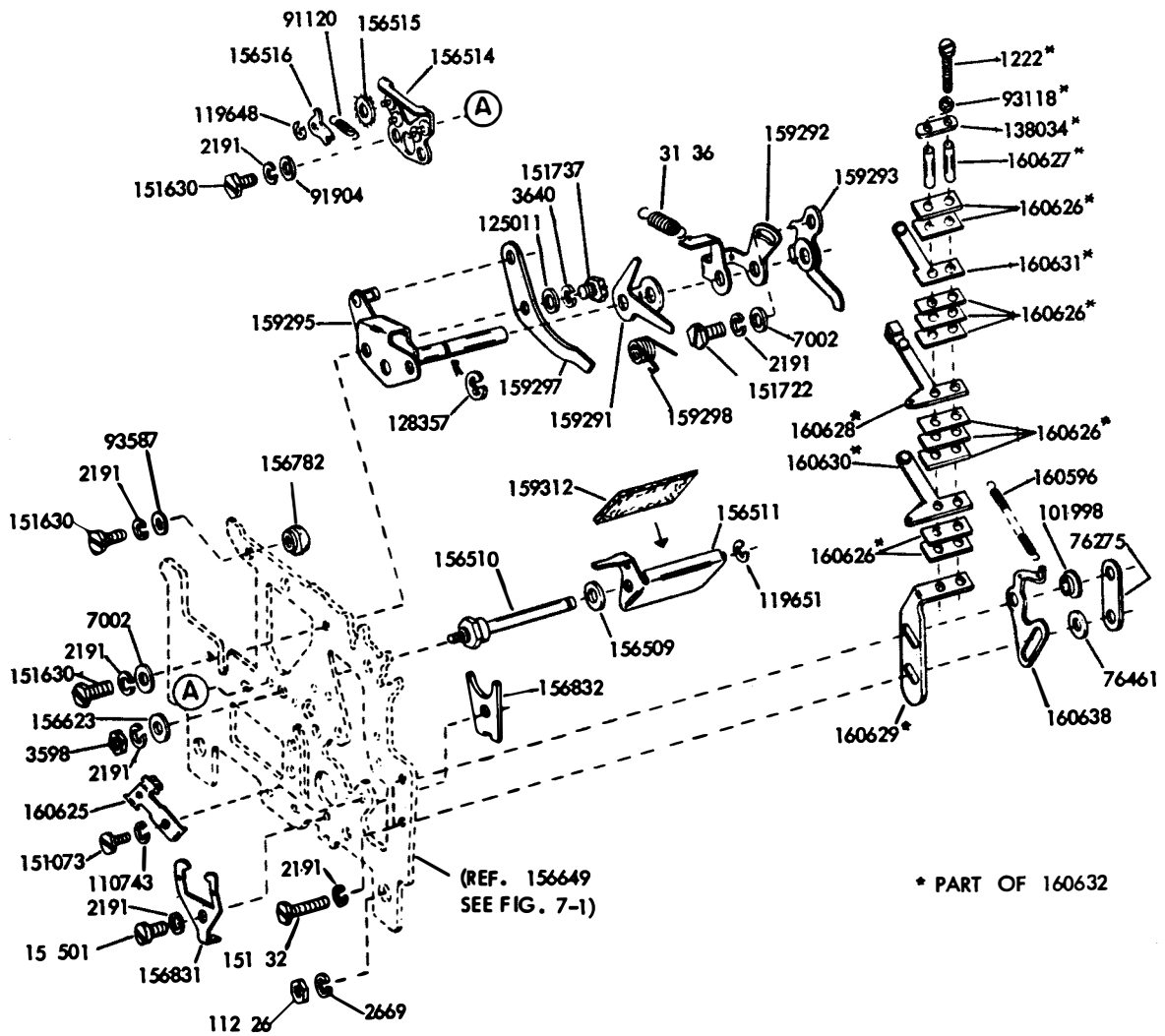


FIGURE 7-2. FRONT PLATE MECHANISM

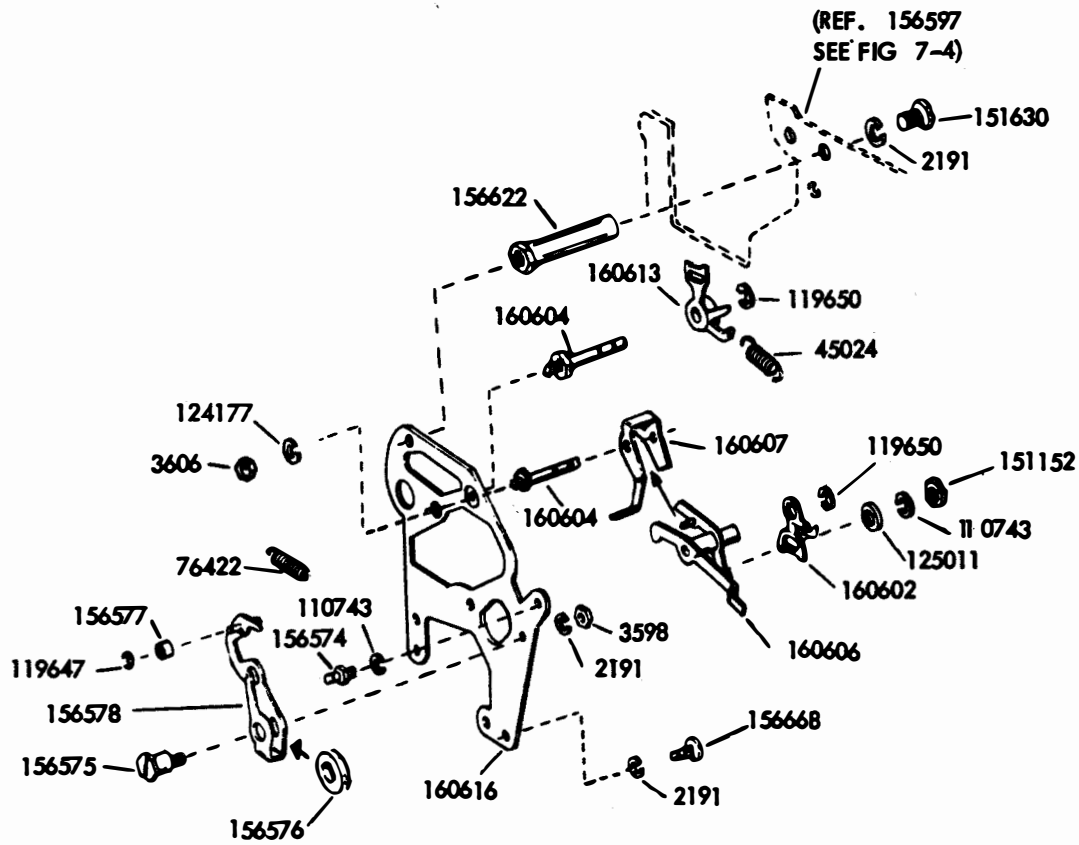


FIGURE 7-3. CENTER PLATE MECHANISM

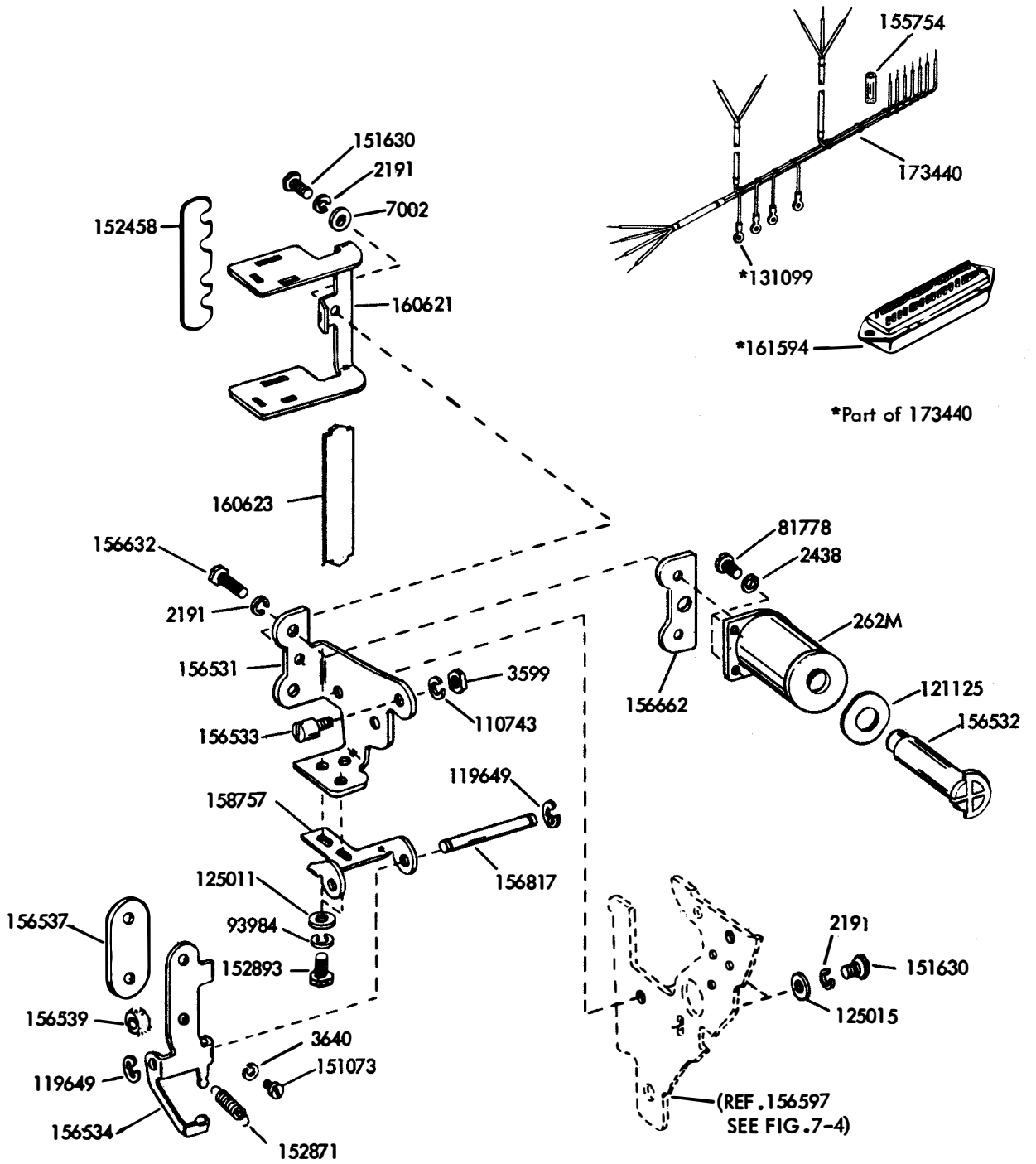
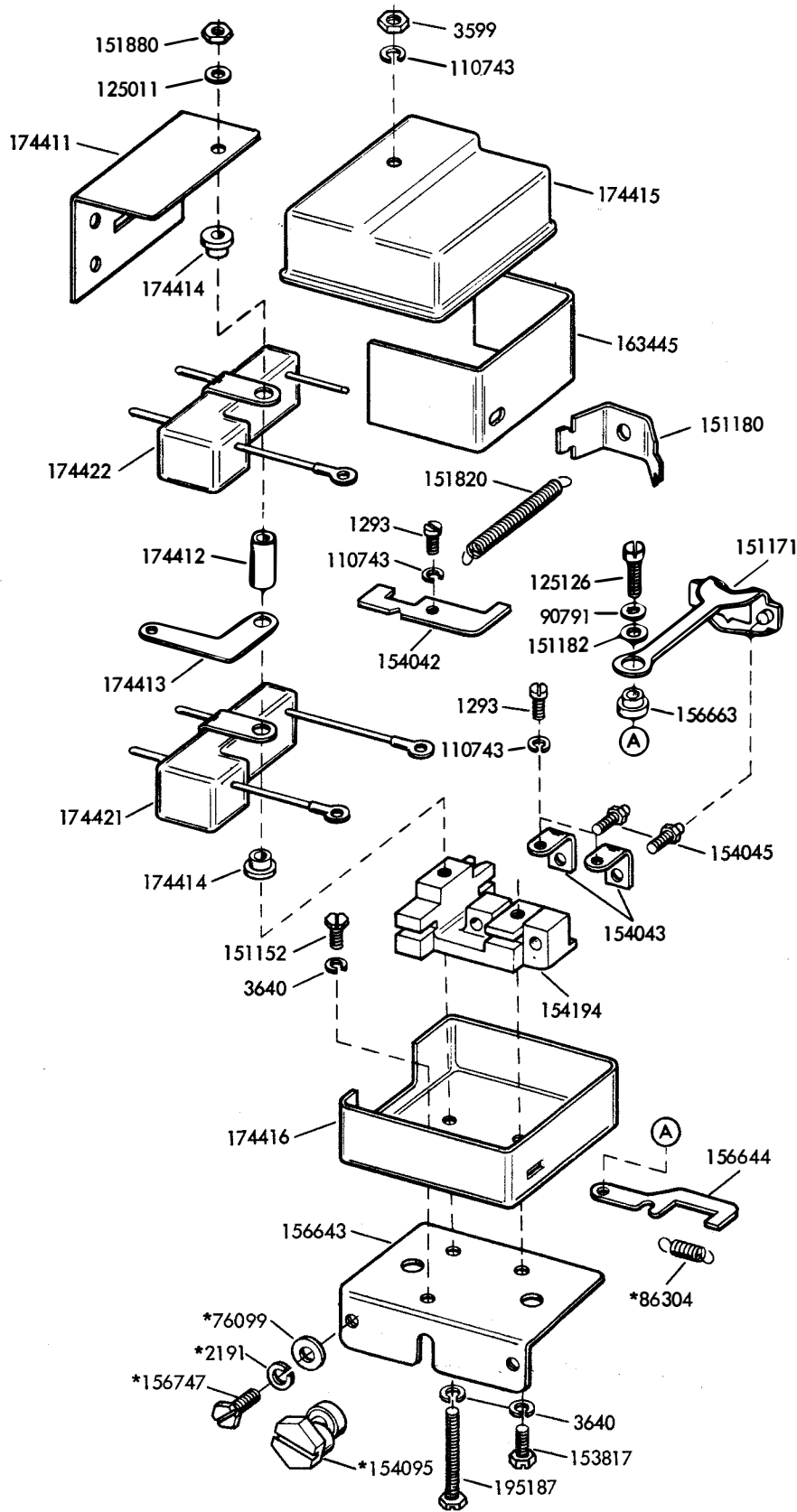


FIGURE 7-6. CLUTCH TRIP MAGNET MECHANISM



*NOT PART OF 174420

FIGURE 7-7. 174420 CONTACT BOX ASSEMBLY

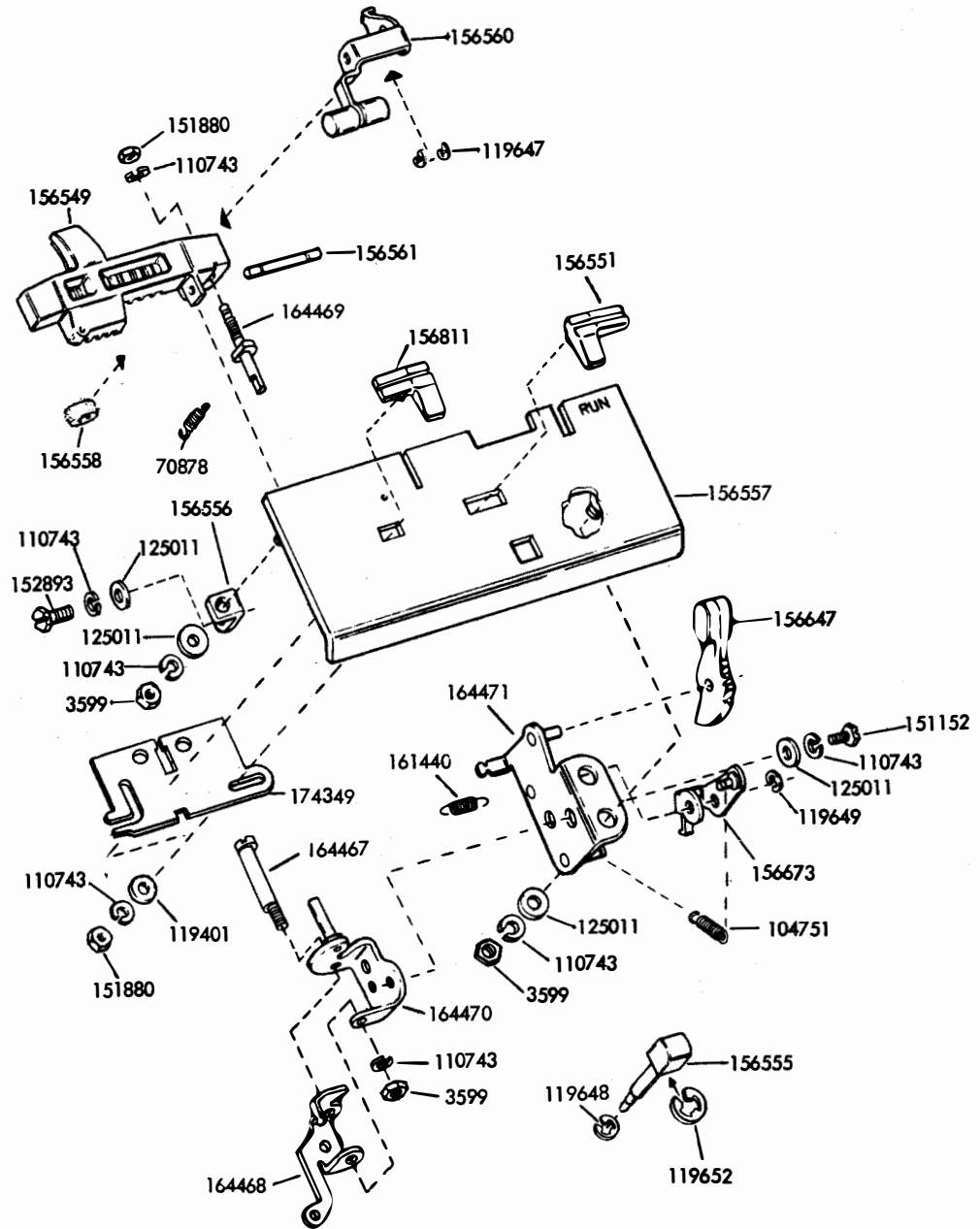


FIGURE 7-8. TAPE GUIDE PLATE

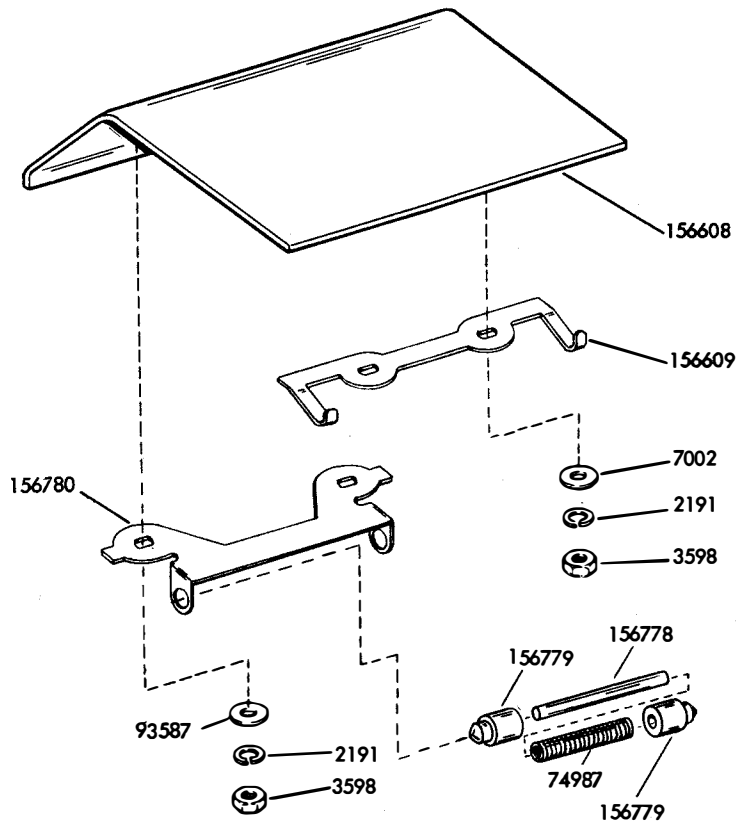


FIGURE 7-9. COVER PLATE

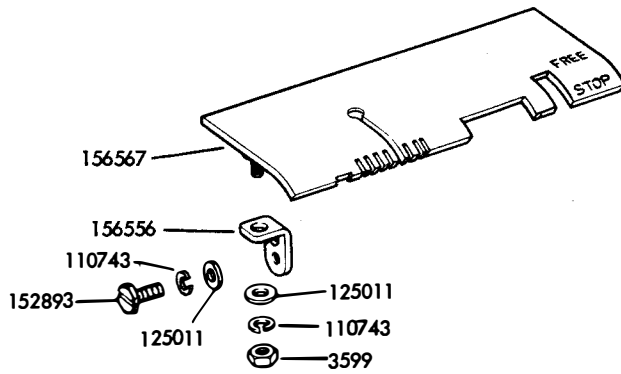


FIGURE 7-10. TOP PLATE

NUMERICAL INDEX - SECTION 7

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
262M	Coil, Magnet 7-7	110743	Washer, Lock 7-3 to 7-10	151728	Spring 7-6
1222	Screw (2-56 x 1/2 Fil) 7-3	112626	Nut (10-32 Hex) 7-2, 7-3, 7-5	151733	Screw (4-40 x 9/16 Fil) 7-5
1293	Screw (4-40 x 1/8 Fil) 7-8	115221	Washer, Felt 7-2	151737	Screw (4-40 x 11/64 Hex) 7-3, 7-6
2191	Washer, Lock 7-2 to 7-5, 7-7, 7-8, 7-10	119401	Washer, Flat 7-9	151820	Spring 7-8
2438	Washer, Flat 7-7	119647	Ring, Retaining 7-4, 7-9	151880	Nut (4-40 Hex) 7-8, 7-9
2669	Washer, Lock 7-2, 7-3, 7-5	119648	Ring, Retaining 7-3, 7-9	152458	Shield 7-7
2836	Spring 7-5	119649	Ring, Retaining 7-7, 7-9	152871	Spring 7-7
3595	Nut (1/4-32 Hex) 7-6	119650	Ring, Retaining 7-4	152893	Screw (4-40x1/4 Hex) 7-5, 7-7, 7-9, 7-10
3598	Nut (6-40 Hex) 7-2 to 7-5, 7-10	119651	Ring, Retaining 7-3	153817	Screw (4-40 x 3/8 Hex) 7-8
3599	Nut (4-40 Hex) 7-5, 7-7 to 7-10	119652	Ring, Retaining 7-2, 7-5, 7-9	153819	Washer, Lock 7-2
3606	Nut (6-40 Hex) 7-4	121125	Washer, Spring 7-7	154040	Lever, Transfer 7-2
3636	Washer, Flat 7-6	124177	Washer, Lock 7-4	154042	Terminal 7-8
3640	Washer, Lock 7-3, 7-7, 7-8	125011	Washer, Flat 7-3, 7-4, 7-7 to 7-10	154043	Terminal 7-8
3649	Washer, Flat 7-5	125015	Washer, Flat 7-7	154045	Screw, Contact 7-8
7002	Washer, Flat 7-3, 7-5, 7-7, 7-10	125126	Screw (2-56 x 9/32 Fil) 7-8	154095	Eccentric 7-8
7603	Spring 7-2	125229	Nut (6-32 Hex) 7-2	154194	Base 7-8
31636	Spring 7-3	125802	Washer, Flat 7-5	154349	Spring 7-2
41732	Plate, Clamp 7-5	128357	Ring, Retaining 7-3	154694	Disk, Clutch 7-6
42823	Washer, Flat 7-6	130499	Bearing, Ball 7-6	155494	Spring 7-2
45024	Spring 7-4	130667	Washer, Lock 7-6	155754	Sleeve, Insulating (1/16 ID x 1/2" Lg) 7-7
70073	Nut (3-48 Hex) 7-2	131099	Terminal 7-7	156501	Screw (6-40 x 7/32 Fil) 7-3
70388	Spring 7-2	138034	Plate, Clamp 7-3	156509	Washer, Flat 7-3
70878	Spring 7-9	150013	Disk, Adjusting 7-6	156510	Post 7-3
74987	Spring 7-10	150026	Lever, Shoe Release 7-6	156511	Bail 7-3
76099	Washer, Flat 7-8	150029	Wick, Felt 7-6	156514	Plate w/Studs 7-3
76275	Plate, Nut 7-3	150043	Shoe, Secondary Clutch 7-6	156515	Washer, Felt 7-3
76422	Spring 7-4	150044	Shoe, Primary Clutch 7-6	156516	Latch 7-3
76461	Washer, Flat 7-3	150241	Spring 7-6	156518	Post 7-2
81778	Screw (4-40 x 3/16 Fil) 7-7	151073	Screw (4-40 x 5/32 Fil) 7-3, 7-7	156519	Washer, Felt 7-2
82547	Insulator (.094") 7-5	151152	Screw (4-40 x 3/16 Hex) 7-4, 7-8, 7-9	156520	Arm 7-2
82548	Insulator (.062") 7-5	151171	Toggle 7-8	156521	Screw, Eccentric Shoulder (6-40) 7-2
82861	Spring 7-2	151180	Link, Toggle 7-8	156522	Pawl 7-2
85318	Washer, Leather 7-5	151182	Washer, Insulating 7-8	156523	Stud, Eccentric 7-2
86304	Spring 7-8	151395	Spring 7-5	156524	Bail 7-2
86959	Bushing, Insulating 7-5	151630	Screw (6-40 x 1/4 Hex) 7-3, 7-4, 7-5 7-7	156531	Bracket W/Post 7-7
90791	Washer, Lock 7-8	151631	Screw (6-40 x 5/16 Hex) 7-2, 7-5	156532	Core 7-7
91120	Spring 7-3	151632	Screw (6-40 x 3/8 Hex) 7-3, 7-5	156533	Screw, Eccentric (4-40) 7-7
91904	Washer, Flat 7-3	151692	Screw (6-40 x 3/16 Fil) 7-2, 7-5	156534	Bail 7-7
93118	Washer, Lock 7-3	151722	Screw (6-40 x 3/16 Hex) 7-2, 7-3, 7-5	156537	Armature 7-7
93587	Washer, Flat 7-3, 7-5, 7-10			156539	Washer, Felt 7-7
93984	Washer, Lock 7-7			156549	Lid, Tape 7-9
101998	Bushing, Shoulder 7-3			156551	Guide, Right 7-9
102994	Washer, Flat 7-2			156555	Plunger, Tape Lid 7-9
104751	Spring 7-9			156556	Bracket 7-9, 7-10
110434	Screw (4-40 x 3/16 Fil) 7-6			156557	Plate, Tape Guide 7-9
				156558	Washer, Felt 7-9

NUMERICAL INDEX - SECTION 7 (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
156560	Bail 7-9	156649	Plate, Front 7-2	160616	Plate 7-4
156561	Shaft 7-9	156662	Plate 7-7	160621	Bracket 7-7
156567	Plate, Top 7-10	156663	Insulator 7-8	160623	Shield 7-7
156574	Post, Spring 7-4	156668	Screw, Spring Post (6-40) 7-4	160625	Clip w/Wick 7-3
156575	Screw, Eccentric Shoulder (6-40) 7-4	156673	Bail 7-9	160626	Insulator (.031"), 7-3
156576	Washer, Felt 7-4	156747	Screw (6-40 x 19/64 Hex) 7-8	160627	Bushing, Insulating 7-3
156577	Roller 7-4	156778	Rod 7-10	160628	Spring, Contact 7-3
156578	Bail 7-4	156779	Plunger 7-10	160629	Bracket, Contact 7-3
156581	Stud 7-5	156780	Bracket, Detent 7-10	160630	Spring, Contact 7-3
156588	Ring, Retaining 7-5	156782	Nut, 6-40 SPL) 7-3, 7-5	160631	Spring, Contact 7-3
156589	Post, Spring 7-5	156811	Guide, Left 7-9	160632	Contact Assembly 7-3
156590	Latch 7-2	156817	Shaft 7-7	160638	Bracket, Spring 7-3
156591	Washer, Felt 7-5	156831	Clamp 7-3	160639	Contact Assembly 7-5
156594	Lever, Trip 7-5	156832	Plate 7-3	160640	Pin, Tape Out Sensing 7-2
156595	Lever, Latch 7-5	156833	Drum Assembly, Clutch 7-6	161439	Wick, Felt 7-5
156596	Bail 7-5	156844	Gear (40T) 7-6	161440	Spring 7-9
156597	Plate, Rear 7-5	158757	Hinge, Mounting 7-7	161592	Plate w/Studs 7-2
156598	Post 7-2, 7-5	159291	Bail 7-3	161594	Connector, Plug (36PT) 7-7
156599	Plate 7-5	159292	Bail 7-3	162249	Screw, Insulating (6-32 Rd.) 7-2
156608	Plate, Cover Plate 7-10	159293	Arm, Extension 7-3	163445	Insulator, Strip 7-8
156609	Plate, Spring 7-10	159295	Bracket w/Posts 7-3	164285	Camshaft 7-6
156618	Post 7-2	159297	Arm, Stop 7-3	164467	Post, Eccentric 7-9
156621	Guide, Transfer Lever 7-2	159298	Spring, Torsion 7-3	164468	Bail 7-9
156622	Post 7-4	159312	Wick, Leather 7-3	164469	Post 7-9
156623	Washer, Flat 7-3	160398	Spring, Contact 7-5	164470	Bracket w/Stud 7-9
156624	Post 7-2	160399	Spring, Contact 7-5	164471	Bracket w/Studs 7-9
156625	Bracket 7-2	160593	Terminal 7-5	173440	Cable Assembly 7-7
156631	Washer, Felt 7-2	160596	Spring 7-3	174349	Plate 7-9
156632	Screw (6-40 x 13/32 Hex) 7-7	160597	Plate 7-5	174411	Insulator 7-8
156633	Washer, Felt 7-5	160598	Stiffener 7-5	174412	Spacer 7-8
156636	Wheel, Feed 7-2	160599	Wick, Leather 7-5	174413	Terminal 7-8
156637	Bail 7-2	160600	Reservoir, Oil 7-5	174414	Bushing 7-8
156638	Guide, Transfer Lever 7-2	160601	Guard 7-5	174415	Cover, Contact Box 7-8
156639	Post 7-2	160602	Arm 7-4	174416	Box, Contact 7-8
156640	Post 7-2	160604	Post 7-4	174420	Box Assembly, Contact 7-8
156641	Pin, Sensing 7-2	160606	Arm w/Spring Post 7-4	174421	Filter, R. F. 7-8
156643	Bracket 7-8	160607	Bail 7-4	174422	Filter, R. F. 7-8
156644	Link 7-8	160608	Bracket, Contract 7-5	195187	Screw (4-40 x 1-1/2 Hex) 7-8
156647	Lever, Start-Stop 7-9	160613	Arm w/Hub 7-4		

SECTION 8

MOTOR

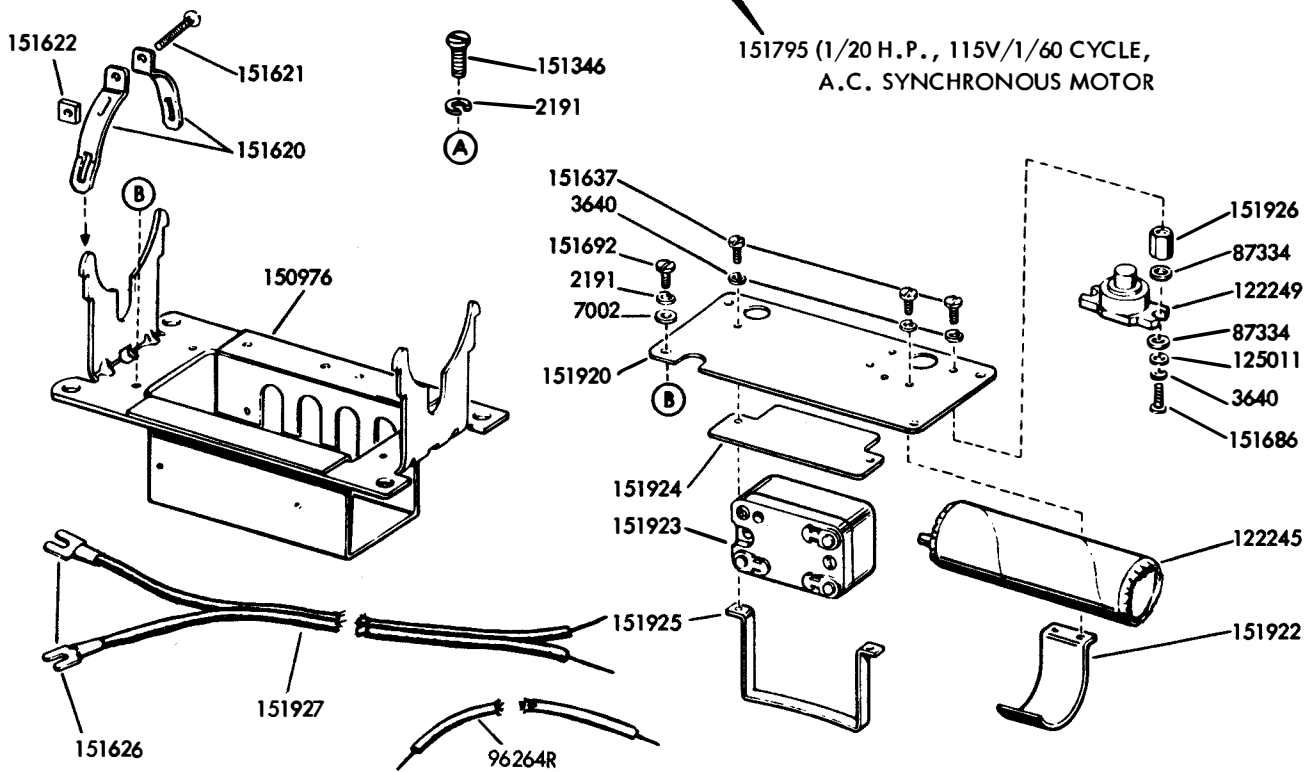
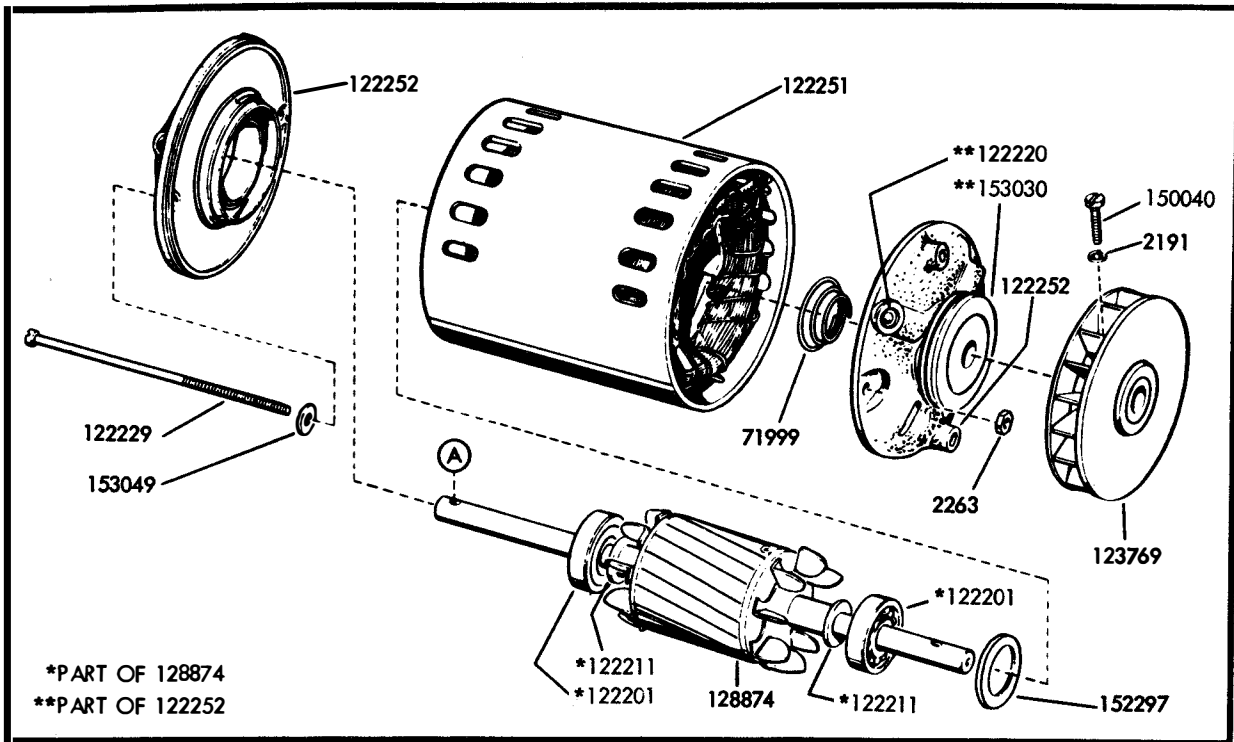


FIGURE 8-1. LMU3 SYNCHRONOUS MOTOR UNIT

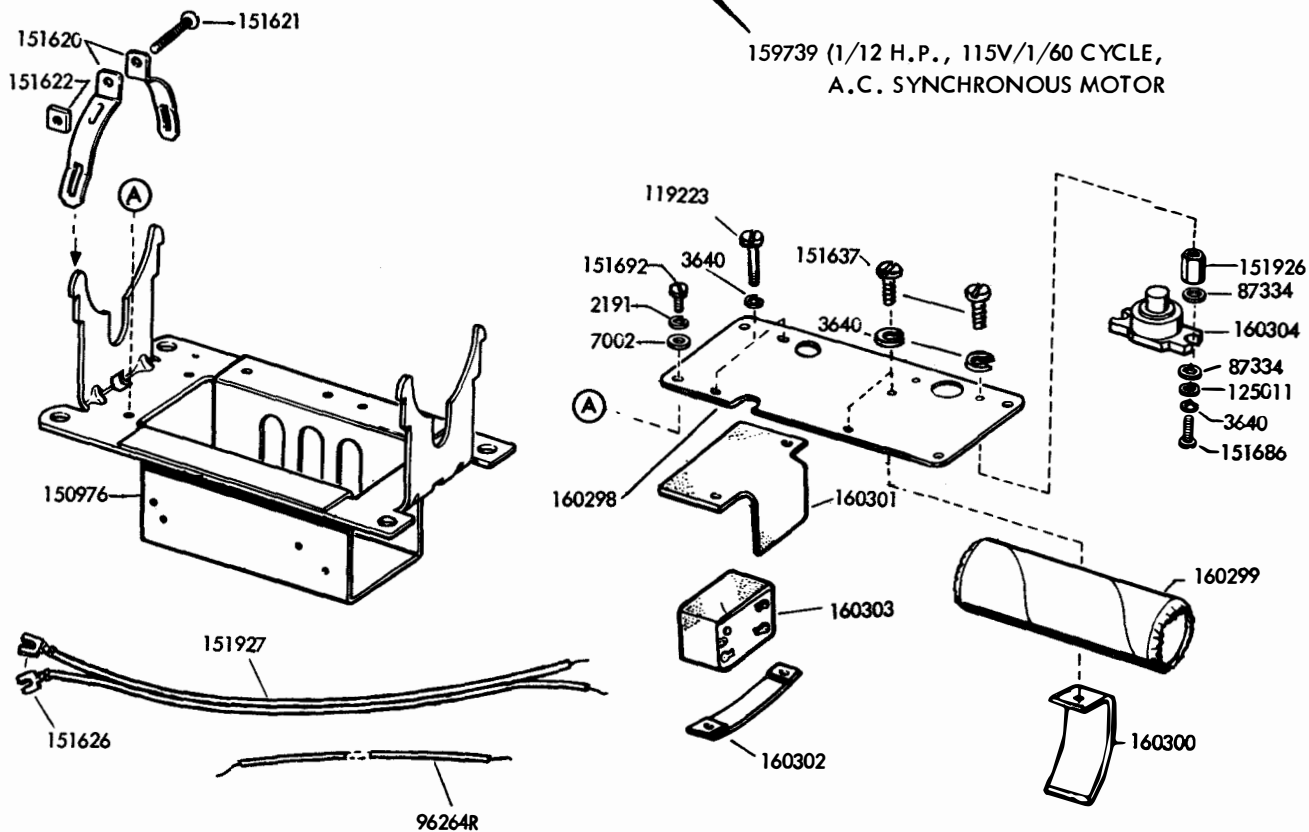
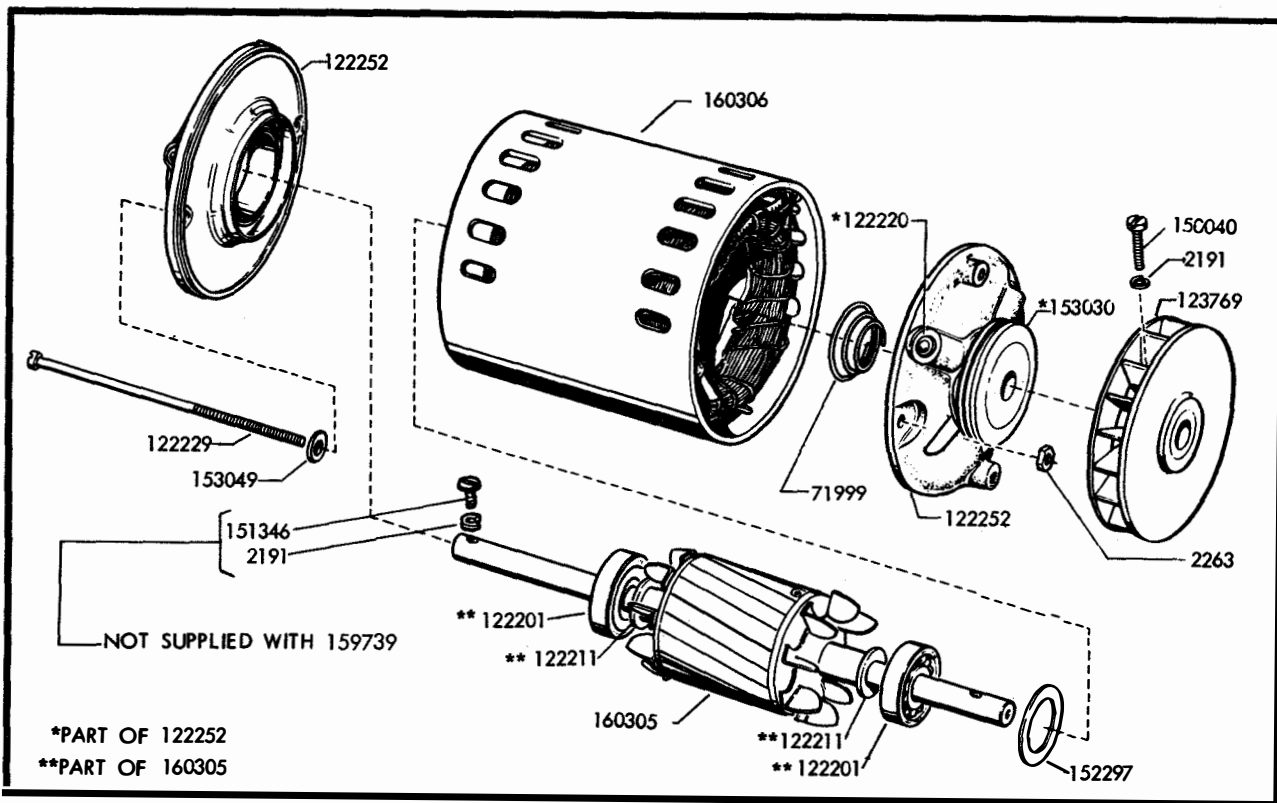


FIGURE 8-2. LMU12 SYNCHRONOUS MOTOR UNIT

150701 Motor, Series (1/20 H.P., 115V/1/60 Cycle A.C.)
 161577 Motor, Series (1/15 H.P., 115V/1/60 Cycle A.C.)

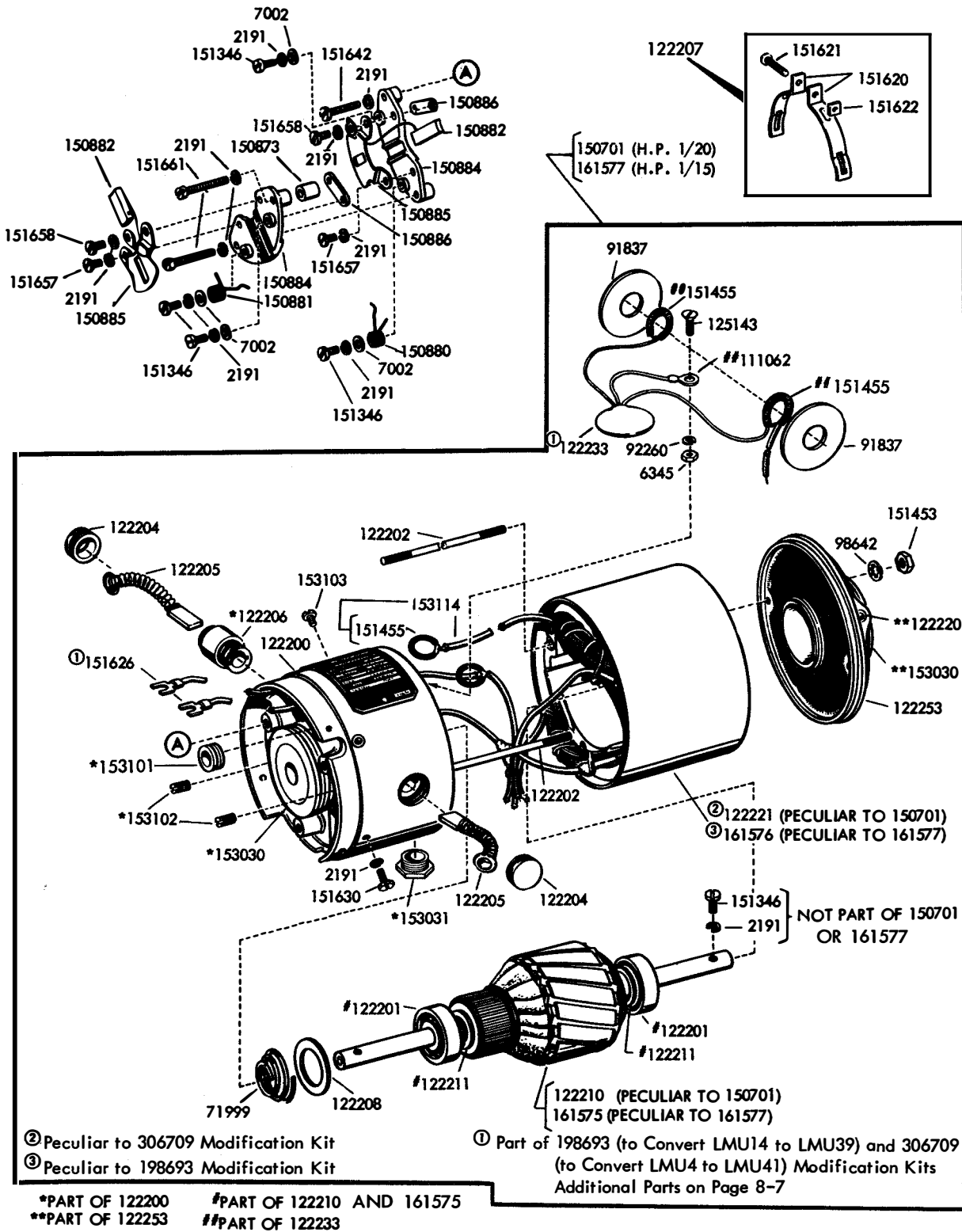


FIGURE 8-3. SERIES MOTOR (PART OF LMU4, LMU14, LMU39, AND LMU41)

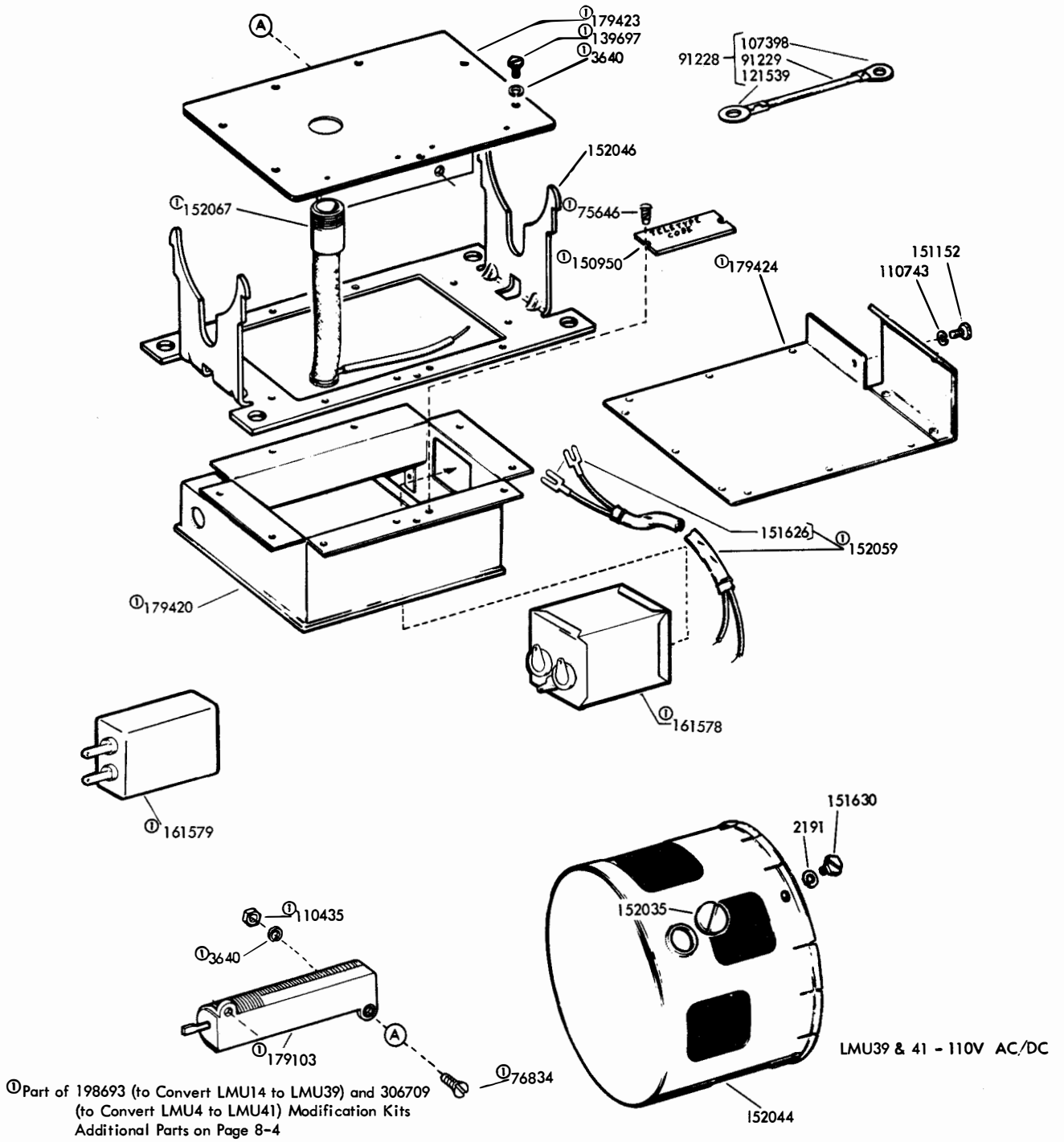
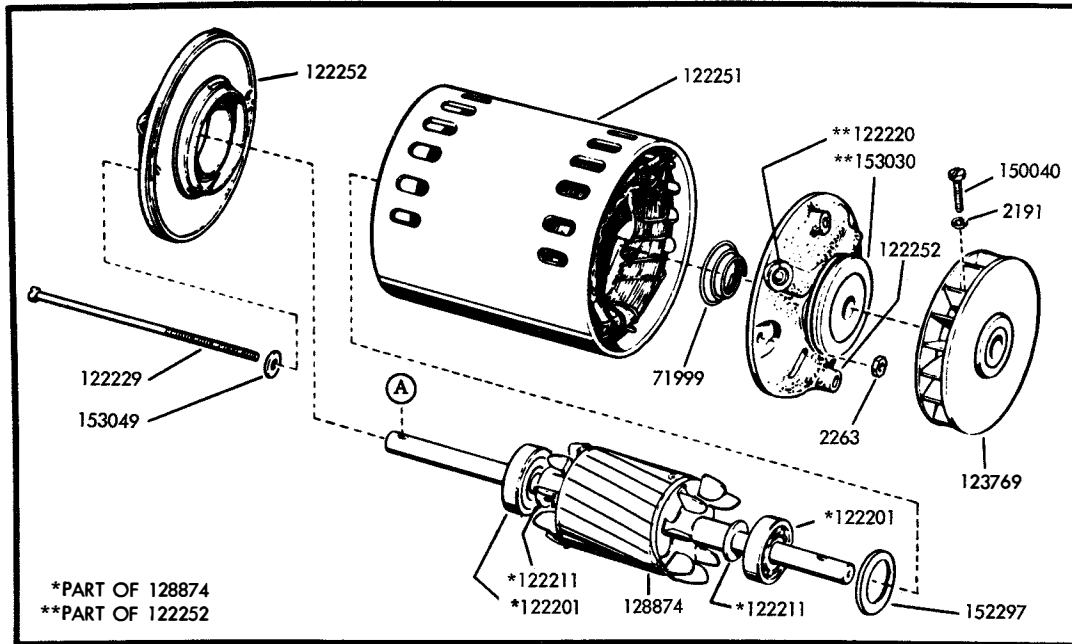


FIGURE 8-6. SERIES MOTOR MOUNTING PARTS WITH RF SUPPRESSION (PART OF LMU39 AND LMU41)



151795 (1/20 H.P., 115V/1/60 CYCLE,
A.C. SYNCHRONOUS MOTOR

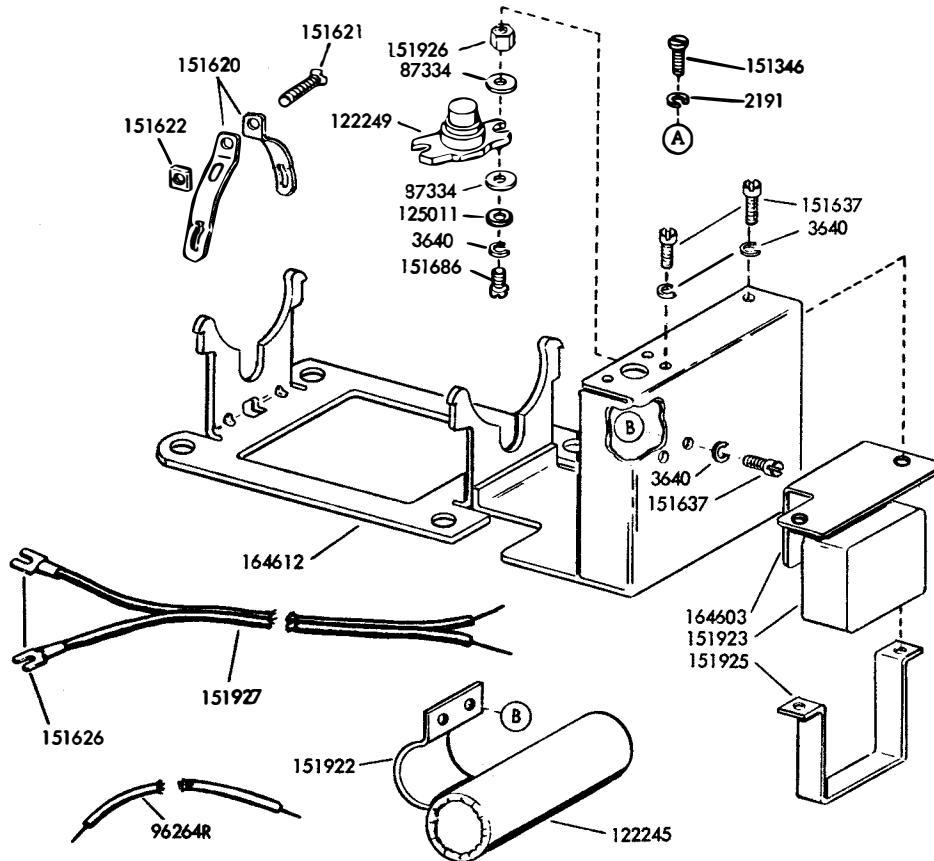


FIGURE 8-7. LMU21 SYNCHRONOUS MOTOR UNIT

NUMERICAL INDEX - SECTION 8

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1181	Screw (6-40 x 11/16 Fil) 8-6	122210	Armature, Motor 8-4	151346	Screw (6-40 x 3/8 Fil) 8-2, 8-3, 8-4, 8-8
2191	Washer, Lock 8-2 to 8-6, 8-7, 8-8	122211	Washer, Pull 8-2, 8-3, 8-4, 8-8	151453	Nut (10-32 Hex) 8-4
2263	Nut (8-32 Hex) 8-2, 8-3, 8-8	122220	Oiler, Ball 8-2, 8-3, 8-4, 8-8	151455	Spring, Helical Clip 8-4
3598	Nut (6-40 Hex) 8-6	122221	Stator 8-4	151620	Strap, Motor Mounting 8-2, 8-3, 8-4, 8-8
3624	Washer, Flat 8-6	122229	Bolt (8-32 x 4-11/16 Fil) 8-2, 8-3, 8-8	151621	Screw (6-32 x 3/4 Rd) 8-2, 8-3, 8-4, 8-8
3640	Washer, Lock 8-2, 8-3, 8-7, 8-8	122233	Capacitor Assembly 8-4	151622	Nut (6-32 Sq) 8-2 to 8-4, 8-8
5740	Screw (2-56 x 1/4 Fil) 8-6	122245	Capacitor (43 to 48 MFD) 8-2, 8-8	151626	Terminal 8-2, 8-3, 8-4, 8-6, 8-7, 8-8
6320	Screw, Contact (6-32) 8-5	122249	Switch, Thermostatic 8-2, 8-8	151630	Screw (6-40 x 1/4 Hex) 8-4, 8-6, 8-7
6345	Nut (6-32 Hex) 8-4, 8-5	122251	Stator, Motor 8-2, 8-8	151637	Screw (4-40 x 1/4 Fil) 8-2, 8-3, 8-5, 8-8
7002	Washer, Flat 8-2 to 8-5	122252	Shield Assembly, End 8-2, 8-3, 8-8	151642	Screw (6-40 x 3/4 Fil) 8-4
61085	Washer, Lock 8-6	122253	Shield Assembly, End 8-4	151657	Screw (6-40 x 1/4 Fil) 8-4
71999	Spring, Motor Thrust 8-2, 8-3, 8-4, 8-8	123769	Fan, Motor 8-2, 8-3, 8-8	151658	Screw (6-40 x 5/16 Fil) 8-4
75646	Screw, Drive (#0 x 3/16) 8-7	125011	Washer, Flat 8-2, 8-3, 8-5, 8-8	151659	Screw (6-40 x 1/2 Fil) 8-5
76099	Washer, Flat 8-6	125143	Screw (6-32 x 3/8 Flat) 8-4	151661	Screw (6-40 x 1 Fil) 8-4, 8-5, 8-6
76834	Screw (4-40 x 3/4 Flat) 8-7	128874	Rotor, Motor 8-2, 8-8	151686	Screw (4-40 x 3/8 Fil) 8-2, 8-3, 8-8
87334	Washer, Insulating 8-2, 8-3, 8-8	139697	Screw (4-40 x 9/32 Fil) 8-7	151692	Screw (6-40 x 3/16 Fil) 8-2, 8-3
91228	Strap (2-1/2" Braided) 8-6, 8-7	150040	Screw (6-40 x 5/8 Fil) 8-2, 8-3, 8-8	151795	Motor, Synchronous 8-2, 8-8
91229	Wire (2" Braided) 8-6, 8-7	150701	Motor, Series 8-4	151920	Plate, Mounting 8-2
91837	Washer, Insulating 8-4	150845	Governor Assembly 8-5	151922	Clamp 8-2, 8-8
92260	Washer, Lock 8-4	150849	Washer, Insulating 8-5	151923	Relay, Motor 8-2, 8-8
96257BK	Jumper (2-3/4" Lg Black) 8-6	150850	Insulator (.031") 8-5	151924	Insulator 8-2
96258R	Jumper (3" Lg Red) 8-6	150856	Arm, Contact 8-5	151925	Clamp 8-2, 8-8
96264R	Jumper (5" Red) 8-2, 8-3, 8-8	150857	Clomp 8-5	151926	Nut (4-40 Spl) 8-2, 8-3, 8-8
96268R	Jumper (7" Lg Red) 8-6	150858	Bracket, Contact 8-5	151927	Cable W/Terminal 8-2, 8-3, 8-8
98642	Washer, Lock 8-4	150859	Bracket, Mounting 8-5	152034	Bracket, Resistor 8-6
98712	Screw (4-40 Spl) 8-5	150865	Screw, Clamping (4-40) 8-5	152035	Plug 8-6, 8-7
107398	Terminal 8-6, 8-7	150866	Clamp 8-5	152037	Cover 8-6
110435	Nut (4-40 Hex) 8-7	150868	Bushing, Insulating 8-5	152039	Container 8-6
110743	Washer, Lock 8-5, 8-6, 8-7	150869	Spring 8-5	152040	Lid 8-6
111062	Terminal 8-4	150872	Stud 8-5	152044	Cover 8-6, 8-7
112627	Nut (2-56 Hex) 8-6	150873	Collar 8-4	152046	Bracket, Motor 8-6, 8-7
119223	Screw (4-40 x 1-15/32 Fil) 8-3	150877	Bracket 8-5	152054	Resistor (250 Ohm) 8-6
121539	Terminal 8-6, 8-7	150879	Cover, Governor 8-5	152058	Separator 8-6
122200	Shield Assembly, End 8-4	150880	Spring, Governor Brush 8-4	152059	Cable W/Terminal 8-6, 8-7
122201	Bearing, Ball 8-2, 8-3, 8-4, 8-8	150881	Spring, Governor Brush 8-4	152067	Nipple 8-6, 8-7
122202	Stud 8-4	150882	Brush 8-4	152078	Spring 8-6
122204	Cap, Brush 8-4	150884	Mounting, Brush 8-4	152297	Washer, Flat 8-2, 8-3, 8-8
122205	Brush W/Spring 8-4	150885	Plate, Brush 8-4	152459	Bracket, Mounting 8-6
122206	Holder, Brush 8-4	150886	Plate, Clamp 8-4	152495	Bushing 8-5
122207	Strap Assembly 8-4	150950	Plate, Code 8-7		
122208	Washer, Flat 8-4	150976	Bracket, Motor 8-2, 8-3		
		150997	Fan, Governor 8-5		
		151152	Screw (4-40 x 3/16 Hex) 8-5, 8-6, 8-7		

NUMERICAL INDEX - SECTION 8

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
153030	Mount, Vibration 8-2, 8-3, 8-4, 8-8	160300	Clamp 8-3	162684	Jumper (2-3/4" White) 8-6
153031	Bushing, Lead 8-4	160301	Plate, Insulating 8-3	162685	Wire Assembly (4" White) 8-6
153049	Washer, Fiber 8-2, 8-3, 8-8	160302	Plate, Nut 8-3	164479	Terminal 8-6
153101	Grommet, Rubber 8-4	160303	Relay 8-3	164603	Insulator 8-8
153102	Screw, Set (8-32) 8-4	160304	Switch, Thermostatic 8-3	164612	Bracket Motor 8-8
153103	Screw, Self-Tapping (4-40) 8-4	160305	Rotor, Motor 8-3	172938	Insulator 8-6
153114	Jumper (8-1/2" Black) 8-4	160306	Stator, Motor 8-3	179103	Resistor (250 Ohm) 8-7
154375	Backstop 8-5	161575	Armature, Motor 8-4	179420	Container 8-7
159739	Motor, Synchronous 8-3	161576	Stator 8-4	179423	Plate 8-7
160298	Plate, Mounting 8-3	161577	Motor, Series 8-4	179424	Lid 8-7
160299	Capacitor (226 MFD) 8-3	161578	Suppressor, Noise 8-6, 8-7	198693	Modification Kit 8-4, 8-7
		161579	Capacitor (.5 MFD) 8-6, 8-7	306709	Modification Kit 8-4, 8-7
		161580	Resistor (500 Ohm) 8-6		

SECTION 9
MASTER NUMERICAL INDEX

MASTER NUMERICAL INDEX

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
224M	5-21, 5-26	4326	1-2	49084	5-2	76117	1-22
247M	1-30	4586	6-5, 6-26	49420	3-7, 3-10, 3-11,	76275	7-3
254M	5-15, 6-19	4702	3-12		3-27, 5-20, 6-23	76299	3-6
262M	7-7	4703	1-30, 5-21, 6-26	49514	1-24, 2-10	76379	6-8, 6-9
263M	3-22	4812	5-23	49644	1-2, 1-18	76422	5-23, 7-4
1020	3-14	4814	1-21, 1-25	49653	3-7	76461	4-3, 6-14, 7-3
1028	1-30	5363	5-6	55063	5-26	76747	6-31
1036	5-6	5740	6-26, 8-6	55219	1-30	76834	8-7
1047	3-5	6320	8-5	55669	3-3, 3-18	76964	3-24
1111	1-31	6344	1-8	60669	5-23	77808	1-22
1113	1-15	6345	1-3, 1-14, 1-32,	61085	8-6	77902	1-24, 1-31, 1-32
1118	3-19		2-6, 8-4, 8-5	70071	1-31	78287	1-22
1163	4-6	6800	6-12	70073	4-2, 7-2	78453	1-26
1181	1-22, 8-6	6807	1-22	70314	3-21	78469	1-21, 1-22
1196	1-22	6968	3-26	70388	3-14, 6-12, 6-30,	78533	5-14, 5-21, 6-18
1210	3-3, 3-18, 4-3	6970	3-26		7-2	79890	1-4
1214	6-15	7001	1-26, 1-31, 6-31	70720	1-2	80402	3-21
1222	7-3	7002	See Section Indexes	70878	7-9	80531	5-24
1253	1-24	7036	6-5	71073	4-3	80581	3-17, 6-5, 6-7, 6-15
1274	3-8	7099	1-21	71437	5-7	80708	6-30
1293	3-16, 6-21, 7-8	7603	See Section Indexes	71681	5-17, 5-24, 6-20	80845	2-3
1297	1-22	7618	3-14	71858	1-4, 1-15, 3-18,	81726	3-22
2034	5-2, 5-14, 5-23,	7655	5-23		4-3	81731	5-24, 6-15
	5-26, 6-18	7656	6-31	71999	8-2, 8-3, 8-4, 8-8	81774	3-8
2191	See Section Indexes	7835	5-17, 5-24, 6-21	72468	6-4	81778	5-15, 6-19, 7-7
2199	5-9	8330	See Section Indexes	72508	1-22	82392	5-3
2201	1-21	8333	1-3, 1-4, 1-6, 1-14,	72522	5-6, 6-26	82442	6-5
2263	8-2, 8-3, 8-8		1-15	73008	3-17	82463	5-21, 6-5, 6-20,
2407	5-9	8449	3-15, 4-3, 6-12,	73175	5-22, 6-6, 6-12		6-21
2415	3-10, 3-11, 4-3		6-21	73427	1-22	82474	1-6, 1-16, 1-23,
2438	5-15, 6-19, 7-7	8669	1-28	73520	6-15		1-24, 1-30, 1-31,
2449	1-2, 1-4, 1-9, 1-10,	22015	6-21	73572	1-15		5-20
	1-15, 1-19, 1-25,	22746	3-19	74011	3-25	82547	3-22, 7-5
	1-26, 1-28, 1-30,	25123	1-26, 1-30, 4-7	74014	3-2	82548	3-22, 7-5
	4-3, 4-7	27425	6-9	74283	5-13, 6-18	82730	1-7
2481	3-19, 3-22, 5-20,	31636	6-22, 7-3	74479	1-6, 1-15	82832	4-3
	6-31	33038	1-22, 6-5, 6-31	74536	6-5	82861	7-2
2539	5-22, 6-6, 6-12	33828	6-16	74546	1-14	83814	3-23
2658	2-7, 2-8	34432	1-2, 2-10, 3-25,	74547	6-12	83913	3-22
2669	See Section Indexes		3-26	74553	6-9	84082	3-21
2836	7-5	35503	1-19	74554	1-22	84226	5-21, 5-24
2846	1-9, 1-10, 1-15,	35826	1-14	74567	1-15	84354	4-7
	1-25, 1-26, 1-28	36273	3-25, 6-16	74594	1-2, 1-14	84575	6-5
		36318	3-15	74694	1-22	84579	1-2, 1-14, 1-18,
		41382	1-26, 5-6, 5-13,	74695	1-22		1-28, 3-26
			6-18	74701	6-4, 6-12	85318	7-5
3292	1-2	41385	3-18	74712	1-14	85816	6-14
3339	1-22	41543	5-19	74722	6-7	85823	5-24
3340	1-22	41663	1-16, 1-25, 1-27,	74755	3-12, 6-13	86079	5-10
3438	See Section Indexes		2-2	74785	6-12	86199	2-7
3595	1-28, 7-6	41668	4-2	74798	6-6	86283	5-17
3598	See Section Indexes	41675	3-18	74805	2-2, 3-7, 3-12	86304	3-16, 5-25, 6-5,
3599	See Section Indexes	41720	3-22	74807	1-2, 3-17, 4-2		7-8
3603	5-19	41732	3-18, 3-22, 7-5	74882	6-9	86506	5-2
3605	1-25	42661	6-14, 6-20, 6-21	74889	1-25	86714	5-24
3606	See Section Indexes	42823	See Section Indexes	74987	7-10	86742	3-15, 3-20
3624	3-24, 8-6	42827	6-22	75229	6-15	86774	3-2, 5-10
3636	7-6	43954	1-30	75435	1-24, 1-31	86835	1-26, 3-2, 3-3,
3639	1-2, 1-3, 1-4, 1-6,	44048	1-31	75646	8-7		3-4, 4-2, 6-16,
	1-14, 1-15, 1-16,	45024	7-4	75750	1-24, 1-31, 1-32		6-19, 6-30
	1-21, 1-22, 3-2,	45027	6-15	76081	3-10, 3-11, 3-19	86873	5-22
	3-20	45104	5-21	76084	1-22	86959	3-22, 7-5
3640	See Section Indexes	45815	1-4, 1-9, 1-31,	76085	1-22	87334	8-2, 8-3, 8-8
3646	1-24, 1-30, 1-31,		3-17	76086	1-22		
	2-10	45944	2-10	76087	1-22		
3649	2-3, 6-17, 7-5	45963	5-22	76089	1-22		
3650	5-26	47024	5-10				
3870	3-2, 3-3, 3-10,						
	3-11, 3-12, 5-18						
3900	1-21						

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
87401	5-2	93644	1-22	107398	8-6, 8-7	119389	1-19
88039	1-22	93645	1-21	108199	6-12, 6-16, 6-23	119401	7-9
88085	1-22	93647	1-21	108355	1-9, 1-10, 1-19	119477	1-22
88092	1-23	93648	1-21	108370	3-14	119535	1-21
88456	1-19	93705	1-21	108450	3-25	119641BR	1-14
88887	1-22			108809	1-4	119647	5-6, 7-4, 7-9
88891	1-22, 3-22	93729	6-23	109356	3-21	119648	See Section Indexes
89096	6-14	93758	6-5, 6-12, 6-23,	110434	See Section Indexes	119649	See Section Indexes
89203	1-22		6-29	110435	1-30, 4-3, 6-17,	119650	1-29, 3-10, 3-11,
89239	1-23	93879	6-5		6-30, 8-7		5-7, 5-17, 5-24,
89515	1-3	93984	5-2, 7-7	110437	3-10, 3-11, 5-12,		7-4
89782	1-29	94540	3-20, 3-21		6-12	119651	See Section Indexes
89897	6-15	94674	6-23	110743	See Section Indexes	119652	See Section Indexes
89969	1-22	95005	1-32	110872	6-15	119653	1-24, 3-7, 3-19,
90052	5-16	95378	5-18	110879	5-8, 5-11, 5-18		5-9, 5-17, 5-24,
90361	5-7, 6-5, 6-8, 6-9,	95827	6-15	111017	See Section Indexes		6-5, 6-7, 6-15,
	6-20, 6-21	96257BK	8-6	111062	8-4		6-16, 6-20, 6-21,
90490	6-5	96258R	8-6	111345	1-2		6-26, 6-31
90504	6-14	96262BK	2-7	111346	1-2	119654	3-10, 3-11
90517	6-26	96264R	8-2, 8-3, 8-8	111355	6-5	119655	3-20, 3-21, 3-26,
90535	5-11, 5-12	96268R	8-6	111410	5-2		4-2, 5-22
90560	1-11	96717	5-14, 5-18, 6-18	111516	1-31	119656	5-22
90573	3-17, 5-3	97347	1-24	111767	3-15	119662	3-19
90599	1-9, 5-10, 6-23	97393	3-19	111776	1-18	119715	1-16
90606	4-3, 5-2, 5-17	97481	6-6	111777	1-18	120121	2-5
90615	5-18	97492	1-25	112206	1-3	120175	4-6
90679	3-15, 6-5	97516	5-24	112626	See Section Indexes	120205	2-5
90789	1-32, 2-4, 2-5, 2-6,	98642	1-14, 1-15, 8-4	112627	3-24, 8-6	120824	3-13, 6-11
	2-7, 2-8	98712	1-21, 8-5	112630	1-26, 3-2, 3-3, 3-6	120870	3-14
90790	1-31, 5-26	98736	4-6	112633	6-23	121100	5-12
90791	3-16, 5-6, 6-9, 7-8	100011	1-3, 1-6	112634	5-2, 5-12, 6-20,	121125	3-22, 7-7
90819	6-6, 6-12	100149	3-5		6-21	121242	3-3, 3-10, 3-18,
90951	5-12	101021BR	1-21	112663	3-25		3-22, 3-24
90959	1-28	101023BR	1-21	112695	1-23	121243	See Section Indexes
91120	5-6, 7-3	101123	5-10	112967	5-19	121244	1-6, 1-18, 1-31,
91228	8-6, 8-7	101633	1-2, 4-4	113039	5-23		2-3, 3-3
91229	8-6, 8-7	101796	5-22, 6-5, 6-9,	113911	1-22	121245	1-5, 1-15, 1-16,
			6-15, 6-23	114466	1-24		1-24, 1-31, 2-3,
91231	4-6	101833	1-24	114478	1-13, 2-3, 2-4		3-25, 4-2
91683	1-6, 1-16, 1-23,	101998	7-3	114589	1-4, 1-15	121246	1-6, 1-31, 2-4,
	2-3, 2-4, 4-6	102057	3-3, 3-18	114684	1-22		3-2, 6-3
91684	1-13, 1-23, 4-6	102214	1-25	114685	1-22	121538	5-15
91742	2-2	102490BR	1-23	114766	1-14	121539	8-6, 8-7
91837	8-4	102994	7-2	114876	3-19, 5-12	121605	1-29, 6-30
91904	7-3	103092	1-3, 1-14	115122	3-12, 3-15, 5-9,	122200	8-4
92115	1-22	103120	1-3		6-8, 6-9	122201	8-2, 8-3, 8-4, 8-8
92146	1-2, 1-15, 1-25,	103305	4-2	115134	5-10	122202	8-4
	4-3	103863	6-26	115141	3-19	122204	8-4
92260	See Section Indexes	104124	1-26	115221	7-2	122205	8-4
92265	4-3	104564	3-21, 3-25	115593	1-2	122206	8-4
92682	6-17	104701	1-12, 1-17, 1-20	115594	1-27, 2-10	122207	8-4
93108	5-19	104710	3-9	116783	1-32, 2-3, 2-4,	122208	8-4
93117	3-18, 3-24, 4-3,	104751	7-9		2-8, 4-6	122210	8-4
	5-25	104807	1-8, 1-11, 1-15,			122211	8-2, 8-3, 8-4, 8-8
93118	3-3, 7-3		3-19, 3-24	117087	1-22	122220	8-2, 8-3, 8-4, 8-8
93130	1-25	104824	5-15, 6-19	117366	4-2	122221	8-4
93356	5-2, 5-6, 6-6, 6-9,	104827	3-7	117416	3-12	122229	8-2, 8-3, 8-8
	6-10, 6-12, 6-16,	104991	3-24	117535	1-3, 1-4, 1-6, 1-7,	122233	8-4
	6-23	105028	6-16		1-22, 1-26, 3-20,	122245	8-2, 8-8
93507	6-26	105029	1-4, 4-2		4-6, 6-31	122249	8-2, 8-8
93587	7-3, 7-5, 7-10	105567	1-25	117541	3-17	122251	8-2, 8-8
93632	1-22	105635	1-23	117608	3-5, 3-8	122252	8-2, 8-3, 8-8
93634	1-22	106281	6-30	118720	2-5	122253	8-4
93635	1-22	107116	1-3, 1-6, 1-15,	118759	1-32	122987	1-31
93637	1-22		6-2, 6-30	119223	8-3	123769	8-2, 8-3, 8-8
93638	1-22			119367	1-8	124177	3-19, 5-3, 5-13,
93639	1-22	107393	1-32				5-14, 5-18, 7-4

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
124681	6-4	145311	3-25	150004	6-11	150244	6-10
125002	1-27, 1-31	145313	3-26	150010	6-10	150245	6-16
125011	See Section Indexes	145316	3-25	150013	See Section Indexes	150247	6-16
125015	See Section Indexes	145318	1-26	150014	6-10	150251	6-13
125016	1-24	145365	3-26	150016	6-11	150255	6-14
125108	1-25, 7-8	145366	3-26	150021	6-11	150263	6-16
125126	3-16	145367	3-26	150025	6-10	150265	6-4
125139	1-12, 1-17, 1-20	145381	3-26	150026	3-13, 6-10, 6-11,	150266	6-4
125143	8-4	145383	3-26		7-6	150267	6-4
125170	1-24	145384	3-26	150027	6-10	150269	6-4
125181	3-27	145385	3-26			150270	6-4
125186	2-10	145386	3-26	150029	See Section Indexes	150271	6-4
125215	5-21, 5-26	145389	3-26	150030	6-23	150274	6-4
125218	1-4, 1-15, 1-30	145393	3-26	150033	6-10	150276	6-4
125229	7-2	145394	3-25	150035	6-10	150288	6-22
125231	1-4, 1-14, 1-15, 1-16, 1-31, 5-3	145398	3-25	150038	6-23	150289	6-22
125238	6-15	145403	3-25	150039	6-23	150293	6-22
125241	3-17	145407	3-25	150040	See Section Indexes	150301	6-22
125247	3-24	145408	3-25	150043	See Section Indexes	150302	6-22
125802	1-24, 5-24, 6-7, 6-15, 7-5	145430	1-26	150044	See Section Indexes	150304	6-22
126959	1-18	145435	1-25	150045	6-10	150310	6-21
128002	6-9	145445	1-25	150046	6-10	150311	6-20
128271	3-19	145448BR	1-25	150047	6-11	150318	6-7
128357	1-2, 1-14, 5-7, 5-12, 7-3	145451	1-25	150048	5-2, 5-14, 6-18	150323	1-32
128874	8-2, 8-8	145452BR	1-25	150050	6-11	150327	5-17
129382	1-18	145453BR	1-25	150051	6-11	150335	6-21
129689	1-22	145454BR	1-25	150053	6-23	150336	6-15, 6-20, 6-21
129916	2-5	145460	1-29	150054	6-23	150341	6-3
129919	1-32, 2-3, 2-4, 4-6	145464	1-29	150055	6-17	150342	6-7
130330	5-10	145465	1-29	150056	6-11	150343	6-21
130499	4-4, 7-6	145466	1-29	150059	6-23	150344	6-20
130667	7-6	145470	1-26	150061	6-23	150348	6-12
130683	3-18	145471	1-26	150064	6-23	150349	6-12
130696	5-11	145481	1-27	150065	6-23	150350	6-12
131016	5-10	145487	1-26	150068	6-23	150351	6-3
131097	4-3	145490	1-29	150078	6-24	150352	6-12
131099	7-7	145491	1-29	150079	6-24	150353	6-3
131228	1-32	145492	1-29	150089	4-6, 5-15, 6-15, 6-19	150355	5-2, 6-12
135013	1-31	145493	1-25	150091	6-10	150356	5-2, 6-12
135716	5-2, 6-12	145713	1-25	150096	6-4	150358	6-12
135875	1-22	145714	1-25	150175	6-16	150361	6-12
136859	1-18	145772	1-25	150184	6-15	150363	6-8
137441	2-5	146149	1-26	150193	6-15	150364	6-10
138034	7-3	146163	1-30	150194	6-15	150365	6-8
138166	3-25	146164	1-30	150196	6-15	150366	6-8
138225	1-32	146165	1-30	150197	6-13	150367	6-9
139158	1-32	146166	1-30	150202	6-15	150369	6-8
139555	3-5, 6-15	146167	1-30	150203	6-15	150370	6-9
139564	3-25	146168	1-30	150206	6-13	150377	6-5
139697	5-19, 8-7	146169	1-30	150208	6-16	150380	6-9
139752	3-9, 3-19	146170	1-30	150214	6-5	150382	6-9
142379	3-26	146171	1-30	150215	6-16	150383	6-8
142556	1-23	146173	1-30	150218	6-16	150384	6-9
142557	1-23	146179	1-30	150219	6-14	150386	6-8
144753	3-21	146181	1-30	150224	6-14	150387	6-9
144965	1-27	146182	1-30	150225	6-13	150392	6-5
144966	1-27	146183	1-30	150228	6-15	150395	6-8, 6-9
144967	1-27	146184	1-30	150229	6-15	150396	6-8
144969	1-27	146185	1-30	150230	6-23	150397	6-9
144971	1-27	146186	1-30	150232	6-16	150398	6-6
144979	1-32	146187	1-30	150233	6-15	150399	6-5
144992	3-21	146188	1-30	150234	6-15	150401	6-8
145003	1-32	146189	1-30	150235	6-15	150410	6-8
145251	1-28	146190	1-30	150237	6-14	150411	3-19, 5-2, 6-9
		146332	1-30	150238	6-23	150412	6-8
		150000	5-4, 6-10, 6-11	150241	See Section Indexes	150413	6-9
		150001	5-2, 6-11			150414	6-6

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
150419	6-6	150720	6-7	150900	6-3	151335	1-5, 1-18, 1-24, 1-26, 1-31, 1-32
150420	6-9	150721	6-14	150903	6-6		2-3, 3-2, 3-3, 3-4
150423	6-6	150722	6-14	150904	6-6	151336	5-14, 5-19, 6-18
150425	6-8, 6-9	150728	6-14	150909	6-14	151338	3-5
160428	6-8	150731	6-15	150911	6-7	151346	See Section Indexes
150429	6-8, 6-9	150732	6-15	150912	6-7	151352	3-2, 3-3
150431	6-12	150733	6-15	150923	3-14, 3-15, 5-7, 6-12, 6-16, 6-23	151362	5-3
150436	6-4, 6-15, 6-21	150738	6-15			151376	3-8
150440	6-10	150746	6-15	150926	6-14	151389	3-8
150444	6-12	150748	6-16	150927	6-14	151390	3-8
150447	6-17	150750	6-14	150929	6-14	151391	3-8
150450	6-17	150751	6-14	150930	6-5	151395	7-5
150452	6-17	150752	6-16	150932	6-20, 6-21	151398	5-12
150471	6-17	150753	6-16	150937	6-21	151411	See Section Indexes
150479	6-18	150754	6-16	150949	4-3	151412	See Section Indexes
150481	6-17, 6-25	150755	6-16	150950	4-3, 8-7	151415	1-16, 1-24, 1-32, 3-2, 3-3, 3-4
150482	6-17	150758	6-16	150961	6-3		See Section Indexes
150507	3-19, 5-17, 6-17	150770	6-15	150964	1-19	151416	1-32, 2-4, 2-5, 2-6, 2-7, 2-8
150535	6-22	150771	6-15	150966	1-16, 1-24, 1-32, 3-2, 3-4	151435	1-32
150536	6-15	150776	6-16			151436	1-32
150537	6-15, 6-22	150777	6-16	150969	6-3	151437	2-4
150538	6-15	150781	6-5	150970	6-10	151441	2-4
150543	6-26	150796	6-13	150975	6-15	151442	See Section Indexes
150544	6-26	150798	6-13	150976	8-2, 8-3	151443	6-23
150545	6-2	150800	6-14	150978	6-17	151453	8-4
150546	6-3	150803	6-4	150987	6-15	151455	8-4
150547	6-26	150804	6-4	150990	3-15, 5-8, 6-6, 6-17	151503BR	1-14
150549	6-10	150805	6-14			151504	1-14
150554	6-14	150806	6-14	150991	3-10, 3-11, 3-12	151505	1-14
150558	6-16	150807	6-14	150992	4-3, 6-4	151506	1-14
150559	6-16	150809	6-7	150997	8-5	151507	1-14
150563	6-17	150811	6-9	150998	6-7	151508	1-14
150585	6-7	150815	6-4	151036	3-15	151509	1-14
150586	6-7	150821	6-20	151045	3-8	151511	1-6, 1-15, 1-19
150598	6-16	150824	6-9	151073	See Section Indexes	151512	1-3, 1-14
150642	6-7	150826	6-4	151080	3-9, 3-20, 4-2, 4-4	151513	1-14
150646	6-7	150827	6-13	151103	5-2, 5-14, 6-18	151514	1-14
150647	6-7	150830	6-10	151113	1-26, 3-2, 3-3, 3-4	151515	1-14
150648	6-7	150831	6-10	151118	1-26, 3-2, 3-3, 3-4	151519	1-14
150649	6-7	150833	6-7	151126	3-7	151521	1-15
150650	6-7	150838	6-13	151146	1-26, 3-2, 3-3, 3-4	151522	1-15
150651	6-7	150840	6-4	151152	See Section Indexes	151523	1-15
150652	6-7	150841	6-10	151159	1-26, 3-6	151524	1-15
150654	6-3	150843	6-13	151171	3-16, 7-8	151525	1-15
150656	6-7	150845	8-5	151180	3-16, 7-8	151526	1-2
150658	6-7	150849	8-5	151182	3-16, 7-8	151527BR	1-14
150666	6-7	150850	8-5	151222	5-7, 6-17, 6-26	151530BR	1-14
150668	6-15	150856	8-5	151223	3-8	151532BR	1-3
150669	6-15	150857	8-5	151224	3-8	151534	1-2, 1-14
150670	6-15	150858	8-5	151226	3-5	151536	1-14
150672	6-15	150859	8-5	151228	3-7	151538	1-14
150673	6-15	150865	8-5	151229	4-3	151540	1-6, 1-15, 1-16, 1-18, 1-19, 1-32
150677	6-15	150866	8-5	151245	3-26	151542	1-14
150678	6-15	150868	8-5	151246	5-3	151545	1-3, 1-14, 1-19
150685	6-4	150869	8-5	151286		151549	1-4, 1-15, 1-19
150687	5-14, 6-18	150872	8-5	thru		151555	1-2
150689	6-26	150873	8-4	151289	3-24	151558	1-2, 1-14, 1-18
150694	6-15	150877	8-5	151290	3-27	151560	1-30
150701	8-4	150879	8-5	151291		151564	1-30
150705	6-14	150880	8-4	thru		151565	1-30
150709	6-14	150881	8-4	151302	3-24	151567	1-30
150710	6-14	150882	8-4	151304		151569	1-4, 1-15
150712	6-13	150884	8-4	thru		151571	1-30
150714	6-7	150885	8-4				
150715	6-7	150886	8-4	151322	3-24		
150718	6-7	150891	6-9	151326	3-5		
150719	6-7	150895	6-12	151329	3-27		

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
151572	1-3, 1-4, 4-7	151721	1-26, 5-26, 6-6, 6-17	152255	6-22	152527	6-21
151574	1-30			152256	6-22	152528	6-21
151577	1-30	151722	See Section Indexes	152257	6-22	152529	6-20
151578	1-14	151723	See Section Indexes	152297	8-2, 8-3, 8-8	152536	6-16
151579	1-30	151724	1-16, 1-30, 3-7, 3-20	152340	6-25	152537	6-10
151589	1-15			152345	6-30	152538	1-22, 6-15
151599	1-14	151725	3-7	152400	5-14, 6-18	152539	6-4
151602	6-8, 6-9	151726	1-14	152401	5-14, 6-18	152545	6-5
151603	5-15, 6-9, 6-19	151727BR	1-14	152402	5-14, 6-18	152546	6-17
151604	6-8, 6-9	151728	See Section Indexes	152403	5-14, 6-18	152547	6-26
151606	1-26, 4-4, 6-15	151731	4-5, 6-7	152404	5-14, 6-18	152548	6-22
151610	3-26, 6-10, 6-23	151732	6-10	152405	5-14, 6-18	152550	6-8
151611	6-23	151733	1-25, 3-13, 3-22, 4-3, 7-5	152406	5-14, 6-18	152551	6-22
151612	6-23			152407	5-14, 6-18	152552	6-22
151616	1-3	151734	6-9	152409	5-14, 6-18	152560	6-24
151618	2-4, 6-2, 6-13, 6-22, 6-30	151736	5-19, 6-10	152410	5-14, 6-18	152563	6-5
		151737	See Section Indexes	152411	5-14, 6-18	152571	6-21
151619	6-13	151738YD	6-24	152412	5-14, 6-18	152572	6-22
151620	8-2, 8-3, 8-4, 8-8	151739AGM	6-26	152415	5-15, 5-19, 6-19	152573	6-11
151621	8-2, 8-3, 8-4, 8-8	151739AJU	6-26	152420	5-15, 6-19	152574	6-22
151622	8-2, 8-3, 8-4, 8-8	151739AJV	6-26	152421	5-15, 6-19	152575	6-22
151625	6-16	151739BRW	3-24	152423	5-15, 6-19	152576	6-22
151626	See Section Indexes	151794	6-10	152425	5-15, 6-19	152579	6-14
151627	6-6	151795	8-2, 8-8	152426	1-32, 2-6, 5-15, 6-19	152580	6-2
151629	1-32, 2-6, 5-2, 5-7, 5-9, 5-22, 5-23, 6-12, 6-17, 6-31	151819	1-5			152581	6-3
		151820	3-16, 7-8	152427	5-13, 6-18	152582	6-21
151630	See Section Indexes	151827	1-18, 2-3, 2-4	152429	5-13, 6-18	152583	6-17
151631	See Section Indexes	151843	3-9	152432	5-13, 6-18	152584	6-17
151632	See Section Indexes	151857	3-6	152436	5-13, 6-18	152585	6-17
151633	3-21	151858	3-6	152438	5-13, 6-18	152586	6-15
151637	See Section Indexes	151859	3-6	152441	5-13, 6-18	152589	6-8
151640	5-2, 5-4, 6-11	151862	3-6	152445	5-13, 6-18	152592	6-14
151642	2-3, 5-22, 6-10, 6-11, 6-31, 8-4	151863	3-6	152447	6-11	152593	6-9
		151867	3-5	152450	6-11	152595	6-14
151644	6-8, 6-9	151880	See Section Indexes	152453	6-11	152596	6-15
151657	See Section Indexes	151920	8-2	152456	6-17	152629	6-20, 6-21
151658	See Section Indexes	151922	8-2, 8-8	152457	5-14, 6-17	152634	5-7, 6-15
151659	See Section Indexes	151923	8-2, 8-8	152458	5-15, 6-19, 7-7	152635	6-17
151660	1-21, 6-31	151924	8-2	152459	8-6	152636	6-17
151661	2-3, 6-15, 8-4, 8-5, 8-6	151925	8-2, 8-8	152460	3-4	152637	6-17
		151926	8-2, 8-3, 8-8	152461	1-26	152638	6-17
151668	6-17	151927	8-2, 8-3, 8-8	152462	1-26, 3-2, 3-3, 3-4, 4-2, 6-19, 6-30	152639	6-17
151678	3-2, 3-3, 3-4	151955	1-15			152640	6-17
151685	See Section Indexes	151956	1-14	152463	1-26, 3-2, 3-3, 3-4, 4-2, 6-19, 6-30	152641	6-26, 6-27
151686	See Section Indexes	151982	1-6, 1-15, 1-16, 1-18, 1-19, 1-25	152464	1-26, 3-2, 3-3, 3-4, 4-2	152642	6-26, 6-27
151687	3-18	151983	1-16, 1-18			152644	6-21
151688	5-15, 5-21, 6-10 6-19	152000	3-4	152465	1-32	152646	6-21
		152034	8-6	152466	1-13, 1-17, 1-20, 1-32	152647	6-20
151689	6-4, 6-11, 6-26	152035	8-6, 8-7	152467	1-26, 3-2, 3-3, 3-4, 3-10, 3-25, 6-30	152648	6-20
151690	1-14, 5-3, 6-10, 6-31	152037	8-6			152651	6-26
		152039	8-6	152495	8-5	152652	6-26
151691	1-16, 3-21	152040	8-6	152505	6-14	152653	6-26
151692	See Section Indexes	152044	8-6, 8-7	152507	6-14	152659	6-26, 6-27
151693	1-7, 1-24, 1-32, 4-6, 5-2, 6-10, 6-21	152045	3-2, 3-3, 3-4	152508	6-14	152660	6-26
		152046	8-6, 8-7	152509	6-14	152662	6-17
151694	3-2, 3-3	152051	3-8	152510	6-14	152663	6-17
151695	6-23	152054	8-6	152511	6-14	152665	
151700	5-11, 6-16	152058	8-6	152514	6-5	thru	
151701	5-14, 6-18	152059	8-6, 8-7	152515	6-5	152669	6-27
151702	6-26	152067	8-6, 8-7	152516	6-5	152678	6-27
151703	6-4	152078	8-6	152518	6-5	152671	6-27
151709	6-23	152121	6-27	152521	6-14	152680	6-27
151712	3-7	152129	6-23	152523	6-20, 6-21	152683	6-27
151714	5-14, 6-18	152140	6-5	152524	6-20, 6-21	152684	6-27
151715	5-15, 6-19	152147	6-9	152525	6-20, 6-21	152685	6-27
		152254	6-8, 6-9	152526	6-20	152688	6-27
						152689	6-27

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
152695	6-27	153114	8-4	153487	1-15, 1-19	154015	3-15
152697	6-27	153116	3-5	153488BR	1-14	154016	3-10, 3-11
152701	6-27	153117	3-5	153489	5-13, 6-18	154018	3-14
152702	6-27	153118	3-5	153530	6-9	154019	3-13
152703	6-27	153119	3-5	153531	6-9	154020	3-8
152723	6-4	153126	1-9	153532	6-9	154021	3-8
152725	6-4	153172	6-14	153537	1-9, 2-3, 2-5	154023	3-10, 3-11
152726	6-12	153173	6-14	153538	See Section Indexes	154027	3-15
152755	1-5	153174	6-14	153539	4-3	154029	3-13
152757	2-4	153175	6-14	153543	5-15, 6-19	154030	3-13
152760	2-4	153180	6-14	153550	6-6	154033	3-12
152767BR	1-14	153181	6-14	153553	6-6	154034	3-12
152797BR	1-3	153183	6-14	153558	6-6	154036	3-14
152818	6-21	153184	5-15, 6-19	153563	6-30	154037	3-27
152819	6-20	153235	6-10	153564	6-30	154039	3-27
152820	6-21	153236	6-10	153565	6-30	154040	3-14, 7-2
152821	6-20	153252	1-26, 3-2, 3-3	153566	6-29	154041	3-14
152823	6-21	153255	6-5	153569	6-12	154042	3-16, 7-8
152824	6-20	153256	6-15	153570	6-29	154043	3-16, 7-8
152826	6-20, 6-21	153264	3-6	153573	6-6	154045	3-16, 7-8
152827	6-21	153291	6-26	153576	6-11	154046	3-12
152828	6-20	153292	6-11	153577	6-6	154047	3-14
152831	6-2, 6-3	153293	6-11	153581	6-26	154051	3-15
152832	6-4	153294	6-26	153582	6-5	154052	3-11
152834	6-20, 6-21	153295	6-26	153583	6-12	154055	3-10, 3-11
152839	3-19	153296	6-11	153584	6-12	154056	3-16
152848	1-9, 1-10	153298	6-26	153586	6-3	154057	3-8
152871	6-7, 7-7	153299	6-26	153587	6-2	154058	3-8
152882	1-14	153300	6-11	153588	6-30	154059	3-7
152883	1-14	153301	6-26	153594	6-30	154066	3-7
152884	1-14	153304	6-3	153600	6-22	154067	3-7
152887	3-20, 4-2, 5-16, 6-10, 6-11	153305	6-5	153609	6-26	154068	3-10, 3-11
152889	6-26	153310	6-5	153610	6-25	154069	3-10, 3-11
152890	6-15	153311	6-5	153611	6-25	154070	3-10, 3-11
152891	5-14, 6-18	153312	6-3	153615	6-25	154071	3-10, 3-11
152893	See Section Indexes	153314	6-5	153634	6-4, 6-25	154072	3-11
152899BR	1-10	153315	6-22	153644	6-26	154076	3-2, 3-3, 4-7
152910	1-10	153319	6-22	153799	1-8, 1-15, 3-19, 5-22	154079	3-15
152950	2-7	153321	6-22	153806	6-12	154080	3-10, 3-11
153017	1-27, 1-32	153322	6-26	153810	6-9	154081	3-9
153020	1-6, 1-15, 1-18	153323	6-11	153811	6-11	154083	3-13
153021	1-6, 1-9, 1-15, 1-18	153331	6-16	153815	6-11	154084	3-15
153022	1-6, 1-9, 1-15, 1-18	153332	6-16	153817	3-3, 3-16, 3-25, 5-21, 5-25, 6-14, 6-15, 7-8	154085	3-2, 3-3, 3-4
153023	1-2, 1-6, 1-9, 1-15, 1-18	153335	6-16			154086	3-9
153030	8-2, 8-3, 8-4, 8-8	153337	6-16			154087	3-2, 3-3
153031	8-4	153340	6-16	153819	4-2, 4-3, 5-20, 6-22, 7-2	154088	3-2, 3-3
153032	1-14	153341	6-16			154089	3-15
153033	1-14	153367	6-12	153820	6-23	154091	3-15
153034	1-14	153368	6-12	153823	6-11	154092	3-7
153035BR	1-14	153382	6-5	153824	6-11	154094	3-12
153036	1-14	153383	6-5	153839	5-2, 5-7, 5-9, 5-14, 5-20, 5-22, 5-23, 6-9, 6-19	154095	3-16, 7-8
153037	1-2, 1-14	153388	1-14, 1-16			154096	3-12
153039	1-14	153400	1-28	153841	1-32, 2-6, 3-12, 6-6, 6-8	154099	3-7
153042	1-15	153435	6-27			154101	3-12
153048	1-2	153440	6-26, 6-27, 6-28	153919	6-30	154102	3-15
153049	8-2, 8-3, 8-8	153442	1-14, 1-15, 1-16, 1-21, 1-22, 1-27, 1-30, 1-31, 4-3, 6-6	154000	3-3	154105	3-14
153099	1-9			154001	3-11	154106	3-2, 3-3
153101	8-4	153444	3-5	154002	3-11	154109	3-2, 3-3
153102	1-8, 1-15, 8-4	153445	3-5	154003	3-11	154110	3-8
153103	8-4	153459	1-5, 1-14	154004	3-11	154111	3-8
153106BR	1-9	153462	2-4	154005	3-11	154115	3-2, 3-3
153107	1-9	153466	1-14	154008	3-10, 3-11	154117	3-8
153109	3-5	153468	1-14	154009	3-14	154119	3-8
153112	3-5	153470	1-14	154010	3-14	154120	3-10, 3-11
153113	1-9	153477	2-7, 2-8	154013	3-11	154121	3-10, 3-11
		153484	1-5, 1-14	154014	3-14	154122	3-10, 3-11
						154123	3-10, 3-11

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
154124	3-10, 3-11	154421BR	1-3	155129	6-27	156052	5-6
154125	3-10, 3-11	154423	1-3	155494	7-2	156054	5-6
154127	1-26, 1-31, 3-15	154424	1-3	155586	6-17	156057	5-12
154138	3-13	154426BR	1-3	155587	6-17	156058	5-7
154140	3-14	154427	1-3	155589	6-17	156060	5-7
154156	2-2	154431BR	1-3	155591	2-7	156061	5-6
154176	3-2, 3-3	154433	1-6, 1-19	155614	1-12, 1-17, 1-20	156062	5-6
154178	3-14	154436BR	1-3	155718	1-24	156067	5-7
154179	3-9	154437	1-5	155723	1-12, 1-17, 1-20	156069	5-5
154183	3-9	154438	1-5	155750	1-12, 2-6, 3-10,	156070	5-7
154184	3-9	154439	1-5		3-22, 3-25, 4-2,	156077	5-7
154191	3-15	154440	1-6		4-3	156093	5-7, 6-7
154194	3-16, 7-8	154441	1-3	155751	1-12, 1-20, 3-27,	156094	5-7
154197	3-8	154442	1-8		6-19, 6-26, 6-30	156095	5-7
154198	3-8	154443	1-8, 1-15	155752	1-13, 1-17, 1-20,	156099	5-7
154199	3-2, 3-3	154444	1-8, 1-15		5-20	156103	5-7
154201	3-2, 3-3	154445	1-8	155753	1-18, 3-3, 3-25,	156132	5-22
154202	3-8	154446	1-5		4-6	156136	5-22
154203	3-8	154452	1-5	155754	7-7	156137	5-22
154204	3-8	154456BR	1-2	155755	1-6, 1-13, 1-24,	156162	5-7
154208	3-3	154457	1-8		1-31, 2-10, 4-6	156165	5-2, 5-7
154210	3-8	154462	1-3	155766	1-12, 1-17, 1-20	156169	5-7
154211	3-8	154463	1-4	155796	6-17	156173	5-5
154212	3-8	154464BR	1-15	155859	1-12	156183	5-6
154215	3-15	154481	1-3	155861	1-12	156184	5-6
154217	3-4	154482	1-3	155862	1-14	156221	5-16
154235	5-12	154483	1-2	155864	6-6	156226	3-20, 3-21, 4-2
154236	3-12	154484	1-2	155865	6-6	156230	5-18
154237	3-15	154485BR	1-7	155899	1-14	156235	5-2
154238	3-9	154486	1-7	155933	6-26	156241	5-9
154239	3-9	154487BR	1-7	155934	6-26	156242	5-9
154240	3-15	154490BR	1-7	155935	6-26	156243	5-18
154241	3-15	154492	1-7	155938	6-26	156248	5-2
154242	5-3	154496BR	1-3	155939	6-26	156252	5-18
154251	1-19	154497	1-3	155952	3-24	156257	5-2
154253	6-15	154551	1-2	155954	3-24	156264	5-8, 5-11
154256	1-19	154613	6-26	155958	3-24	156265	5-11
154258	1-18	154614	6-10	155959	3-24	156266	5-8, 5-11
154308	1-14	154616	6-24	155960	3-19	156267	5-19
154310	6-13	154620	5-14, 6-18	155964	3-19	156268	5-12
154318	3-23	154621	5-14, 6-18	155965	3-19	156276	5-8
154319	3-23	154622	5-14, 6-18	155966	3-19	156277	5-8
154332	6-20, 6-21	154623	6-13	155967	3-19	156278	5-11
154333	6-20, 6-21	154624	6-13	155968	3-19	156286	5-8
154335	1-30, 5-19	154626	6-13	155969	3-19	156287	5-8
154348	1-3	154627	6-13	155991	3-24	156288	5-11
154349	7-2	154638	6-23	155992	3-24	156289	5-8
154356	6-9	154650	6-22	155994	3-24	156290	5-8
154375	8-5	154662	3-7	155995	5-19	156291	5-8
154380	6-22	154663	3-7	156009	5-7	156292	5-11
154386	3-15	154688	6-6	156012	5-5	156293	5-11
154389	6-15	154694	3-13, 5-2, 5-4,	156013	5-7	156294	5-10
154396	5-4		6-10, 6-11, 7-6	156015	5-5	156296	5-12
154397	5-4	154697	2-2	156016	5-7	156300	5-12
154398	5-4	154754BR	1-10	156017	5-7	156306	5-9
154401	1-2	154872	6-2, 6-30	156019	5-6	156311	5-9
154402	1-2	155023	1-32, 2-3, 2-4	156024	5-5	156313	5-11
154404	1-6	155041	6-5	156028	5-6	156316	5-12
154406	1-5	155042	6-5	156036	5-6	156318	5-2
154407	1-2	155044	6-11	156040	5-6	156321	5-10
154408	1-6	155045	1-6, 1-16	156042	5-6	156322	5-10
154409BR	1-3, 1-14, 1-25	155047	6-11	156043	5-7	156366	5-3
154410BR	1-3	155081	6-15	156045	5-6	156369	5-10
154412	1-5	155083	1-2, 1-14, 1-18	156046	5-5	156378	5-11
154413	1-6	155090	6-18	156047	5-6	156382	5-10
154416	1-7	155096	5-13, 6-18	156050	5-6	156387	5-2
154418	1-4	155099	6-26	156051	5-7	156388	5-2

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
156389	5-9	156576	5-3, 7-4	156884	5-7	157992	1-12, 1-17, 1-20
156396	5-18	156577	5-6, 7-4	156887	1-31	157993	1-12, 1-17, 1-20
156399	5-3	156578	7-4	156900	5-3	157999	1-16
156400	4-5	156581	7-5	156901	5-17	158000	3-2
156403	5-3	156588	4-4, 7-5	156905	5-9	158010	3-10
156408	5-9	156589	7-5	156908	5-10	158011	3-17
156412	5-3	156590	7-2	156909	5-10	158012	4-2
156413	5-18	156591	7-5	156921	5-3	158013	4-2
156414	5-17	156594	7-5	156922	5-12	158015	4-2
156419	5-17	156595	7-5	156924	5-11	158017	4-2
156421	5-17	156596	7-5	156925	5-11	158018	4-2
156426	5-17	156597	7-5	156931	5-9	158019	3-19
156427	5-17	156598	7-2, 7-5	156937	5-18	158021	3-19
156428	5-17	156599	7-5	156938	5-18	158031	3-19
156433	5-17	156608	7-10	156941	5-2	158032	3-19
156436	5-17	156609	7-10	156948	5-10	158033	3-19
156437	5-17	156618	7-2	156987	5-3	158036	3-19
156440	5-17	156621	7-2	156988	5-3	158038	3-19
156442	5-17	156622	7-4	156989	5-3	158040	3-19
156448	4-3	156623	7-3	156990	5-3	158042	3-19
156449	4-3	156624	7-2	156993	1-7, 1-18	158045	3-19
156450	3-24	156625	7-2	156994	5-3	158046	3-19
156451	4-3	156630	3-14	156995	5-3	158047	3-19
156462	5-10	156631	7-2	156998	5-3	158050	3-19
156465	5-3	156632	3-8, 3-19, 6-13,	157047	6-29	158051	3-19
156466	5-9		7-7	157048	6-29	158052	3-19
156467	5-3	156633	7-5	157049	6-29	158053	3-19
156472	5-14	156636	7-2	157151	6-30	158054	3-19
156484	5-18	156637	7-2	157154	1-5	158056	3-19
156488	5-18	156638	7-2	157155	1-5	158060	3-17
156489	5-9	156639	7-2	157194	5-15, 6-19	158061	3-17
156490	5-2	156640	7-2	157237	5-15, 6-19	158062	3-18
156492	5-8	156641	7-2	157238	6-24	158063	3-10
156493	5-10	156643	7-8	157240	6-26	158064	3-2
156501	5-8, 5-9, 7-3	156644	3-16, 7-8	157241	6-6	158066	3-18
156503	3-13	156647	7-9	157252	5-24	158067	3-18
156509	3-14, 7-3	156649	7-2	157261	5-13, 6-18	158068	3-2
156510	7-3	156662	7-7	157271	6-19	158071	3-20
156511	7-3	156663	3-16, 7-8	157272	6-19	158073	3-20
156514	7-3	156668	7-4	157273	6-19, 6-26	158075	3-20
156515	5-24, 7-3	156673	7-9	157278	1-16, 1-18	158077	3-20
156516	3-14, 7-3	156740	1-29, 1-32, 2-2,	157289	6-4	158079	3-20, 3-21
156518	7-2		5-5, 5-22	157290	6-4	158087	3-10
156519	7-2	156747	7-8	157291	6-4	158088	3-10
156520	7-2	156769	4-3	157367	3-24	158089	3-10
156521	7-2	156770	1-7, 1-18	157393	1-12, 1-17, 1-20	158090	3-10
156522	7-2	156778	7-10	157399	1-12, 1-17, 1-20	158091	3-10
156523	7-2	156779	7-10	157505	6-10	158093	3-10
156524	7-2	156780	7-10	157506	6-10	158094	3-10
156531	7-7	156782	7-3, 7-5	157509	6-29	158099	3-10
156532	7-7	156811	7-9	157514	6-29	158103	3-10
156533	7-7	156817	7-7	157636		158105	3-10
156534	7-7	156831	7-3	thru		158107	3-10
156536	5-12, 5-14, 6-18	156832	7-3	157649	6-24	158113	3-17
156537	7-7	156833	7-6	157878	1-10	158115	3-17
156539	7-7	156835	5-9	157879	1-10	158116	3-17
156549	7-9	156844	7-6	157880	1-10	158117	3-17
156551	7-9	156867	5-2	157881	1-10	158118	3-17
156555	7-9	156870	5-10	157882BR	1-10	158119	3-17
156556	7-9, 7-10	156871	5-3	157883BR	1-10	158120	3-17
156557	7-9	156872	5-3	157887	6-26, 6-27	158121	3-17
156558	3-15, 5-9, 7-9	156874	5-8, 5-11	157899	6-26, 6-27	158122	3-17
156560	7-9	156675	5-11	157972	6-15	158123	3-17
156561	7-9	156876	5-3	157973	6-29	158135	3-17
156567	7-10	156877	5-3	157979	6-21	158136	3-17
156574	3-9, 7-4	156880	5-15	157990	6-5	158137	3-17
156575	7-4	156881	5-15	157991	6-5	158139	3-17

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
158141	3-17	158689	1-3	159489	5-16	159957	5-26
158144	3-17	158695	1-8	159490	5-16	159960	5-26
158145	3-17	158696	1-8, 1-15	159491	5-16	159961	5-26
158147	3-18, 3-19	158745	3-20, 3-21, 3-26, 4-2, 4-4, 5-3	159492	5-16	159962	5-26
158148	3-18			159493	5-16	159976	5-21, 5-26
158149	3-18	158753	3-22	159494	5-16	159977	5-21
158150	3-18	158754	3-22	159495	5-16	159978	5-21
158151	3-18	158757	7-7	159496	5-16	159994	5-18
158156	3-18	158760	5-26	159497	5-16	159995	5-18
158158	3-18	158772	5-16	159498	5-16	159997	5-18
158160	3-18	158807	4-3, 5-20	159499	5-16	160184	5-15
158162	3-18	158859	3-22	159500	5-16	160229	2-7, 2-8
158163	3-3, 3-18, 3-25, 4-3	158881	5-19	159501	5-16	160291	1-7
158164	3-3, 3-18	158940	5-19	159502	5-16	160297	1-5
158171	5-19	158989	2-10	159503	5-12	160298	8-3
158172	5-19	158990	2-10	159504	5-16	160299	8-3
158189	3-18	158991	2-3, 2-10	159508	5-16	160300	8-3
158195	1-4	158992	2-10	159512	5-18	160301	8-3
158196	1-4	159011	5-2	159515	5-12	160302	8-3
158197	1-4, 4-2	159181	5-19	159516	5-12	160303	8-3
158198	1-4	159184	5-19	159519	5-10	160304	8-3
158200	1-4	159185	5-19	159522	5-10	160305	8-3
158201	1-4	159274	1-16	159523	5-10	160306	8-3
158207	3-23	159275	1-16	159525	5-10	160306	8-3
158208	3-23	159287	3-7, 3-26, 4-4	159526	5-11	160339	1-6, 1-19
158210	3-23	159291	7-3	159528	5-8	160341BR	1-3
158212	3-2	159292	7-3	159529	5-8	160344	1-6
158213	3-2	159293	7-3	159530	5-8	160349BR	1-3
158215	1-11, 3-2, 3-19, 3-23	159295	7-3	159531	5-8	160354	5-19
158216	3-2	159297	7-3	159532	5-8	160369	1-13
158217	3-2	159298	7-3	159533	5-11	160398	7-5
158219	3-23	159312	7-3	159535	5-8	160399	7-5
158226	3-10	159327	3-15	159536	5-9	160461	1-5
158228	3-10	159334	3-15	159539	5-18	160467	1-3
158230	3-10	159340	3-19	159541	1-12	160576	6-26
158233	3-23	159341	3-26, 4-4, 5-3 6-8, 6-11	159542	4-6	160577	6-26
158239	4-3	159343	3-24	159544	5-2	160593	7-5
158241	3-23	159357	1-16	159560	5-5	160596	7-3
158250	1-26, 1-31, 3-2	159357	1-16	159565	5-21	160597	7-5
158251	3-2	159404	5-11	159597	5-10	160598	7-5
158252	1-26, 1-31, 3-2	159411	5-3	159621	5-5	160599	7-5
158258	4-2	159413	5-17	159622	5-5	160600	7-5
158259	1-12	159427	5-2	159625	5-3	160601	7-5
158260	1-4	159430	5-2	159626	5-18	160602	7-4
158271	3-20, 3-21, 4-2	159431	5-2	159642	5-8	160604	7-4
158275	3-10	159434	5-18	159643	5-11	160606	7-4
158276	3-10	159437	5-12	159654	5-18	160607	7-4
158278	2-4	159438	5-12	159658	5-9	160608	7-5
158286	1-6, 1-18, 1-32	159441	5-2	159659	5-9	160613	7-4
158287	1-6	159447	5-12	159734	1-2	160616	7-4
158289	3-23, 4-3	159448	5-12	159735BR	1-2	160621	7-7
158335	6-15	159450	5-12	159739	8-3	160623	7-7
158352	6-12	159459	5-16	159752		160625	7-3
158353	6-12	159460	5-12	thru		160626	7-3
158354	6-12	159467	5-14	159788	6-24	160627	7-3
158365	6-6	159468	5-12	159861	5-19	160628	7-3
158649	1-2	159470	5-12	159865	5-19	160629	7-3
158670BR	1-2	159471	5-12	159880	5-19	160630	7-3
158672	1-2	159472	5-2	159885	5-19	160631	7-3
158674	1-2	159476	5-12	159886	5-19	160632	7-3
158677	1-5	159477	5-12	159889	5-19	160638	7-3
158678	1-4, 4-2	159480	5-9	159896	5-19	160639	7-5
158679	1-4	159481	5-12	159897	3-17	160640	7-2
158682	1-3	159482	5-12	159899	3-17	160664	1-2
158688	1-3	159483	5-12	159913	5-25	160665BR	1-3
		159487	5-12	159954	5-26	160667	1-2
		159488	5-16	159955	5-26	160670	1-2
				159956	5-26	160839	5-3

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
160842	5-22	161788	4-5	162764	5-23	163639	1-18
160843	5-24, 6-12	161789	4-5	162765	5-23	163641	1-18
160846	5-10	161800	4-7	162766	5-23	163642	1-18
160887BR	1-7	161801	4-6	162768	5-23	163644	1-19
160943	5-9	161803	4-3	162770	5-23	163646	1-19
160948	5-6	161804	4-3	162772	5-23	163647	3-9
160974	1-2, 1-18	161805	4-4	162773	5-21	163699	3-17
160985	1-3	161806	4-5	162774	5-21	164024BR	1-9
160986	1-3	161809	4-4	162775	5-21	164025BR	1-9
160987	3-23	161817	4-6	162778	5-21	164028BR	1-9
160988	1-8	161818	4-3	162780	5-21	164101	4-2
160989	1-3	161819	4-4	162781	5-21	164107	3-23
160990	1-3	161821	4-3	162784	5-21	164224	3-2
160991	1-3	161826	4-3	162785	5-21	164272	1-11
160993	1-3	161882	3-21	162786	5-21	164273	1-11
160994	1-3	161885	4-2	162788	5-21	164275	1-11
160995	1-3	161886	4-3	162791	5-21	164276BR	1-11
161107	5-6	161891	3-8	162792	5-21	164277	1-11
161108	5-5	161998	1-25	162793	5-21	164278	1-11
161109	5-7	162016	1-7	162794	5-21	164279	1-11
161136	2-4	162017	1-7	162795	5-21	164285	7-6
161139	5-6	162019	1-7	162797	5-21	164314	6-14
161206	2-3, 2-5	162059	6-27	162798	5-21	164316	6-14
161210	2-3, 2-5	162064	5-20	162799	5-21	164362	1-15
161237	5-20	162075	3-23, 4-3	162800	5-21	164379	3-22
161238	5-20	162248	5-3	162802	5-21	164384	1-18
161239	4-6, 5-20	162249	7-2	162809	5-23	164386	5-15, 6-19
161240	5-20	162308	3-15	162850	5-17, 5-24	164405BR	1-11
161301	3-7, 3-26, 4-4	162333	1-26, 3-4, 3-7	162862	5-2	164467	7-9
161323	5-9	162346	5-17	162898	1-3	164468	7-9
161324	5-9	162347	5-17	162958	1-24, 1-31	164469	7-9
161342	5-14, 6-18	162350	5-3	163003	4-2	164470	7-9
161346	3-14, 6-20, 6-21	162357	2-8	163015	5-19	164471	7-9
161347	5-12, 6-6, 6-15 6-16	162358	2-7, 2-8	163016	5-19	164479	8-6
161431	5-9	162359	2-8	163114	5-21	164485	3-12
161439	7-5	162360	2-8	163170	1-8, 1-15	164489	3-10
161440	3-17, 7-9	162361	2-8	163173	1-8, 1-15	164490	3-10
161443	5-11	162573	6-10	163255	5-21	164494	3-27
161444	5-8	162590	1-15	163326	5-22	164495	3-27
161505	4-3	162591	1-6	163327	5-22	164513	5-7
161511	4-5	162627	1-25	163368	3-13	164521	5-24
161575	8-4	162629	1-8, 1-15	163429	5-18	164525	5-24
161576	8-4	162659	3-26	163445	3-16, 7-8	164526	5-24
161577	8-4	162684	8-6	163449	4-5	164528	5-24
161578	8-6, 8-7	162685	8-6	163450	4-5	164529	5-24
161579	8-6, 8-7	162687	1-25	163451	4-5	164530	5-24
161580	8-6	162728	6-5	163452	4-2	164531	5-24
161592	7-2	162729	6-5	163453	4-2	164532	5-24
161594	7-7	162730	4-3	163454	4-2	164535	5-24
161595	4-2	162741	5-22	163459	6-10	164538	5-24
161705	1-25	162742	5-22	163460	3-7	164539	5-24
161747	1-25	162743	5-22	163463	3-7	164540	5-24
161748	1-25	162744	5-22	163464	3-7	164541	5-24
161750	1-5	162745	5-22	163500	5-19	164577	6-31
161755	1-3	162747	5-22	163501	5-19	164593	1-11
161770	4-3	162748	5-22	163502	5-19	164603	8-8
161772	4-4	162750	5-22	163503	6-10	164612	8-8
161773	4-3	162752	5-22	163505	3-7	164617	1-31
161777	4-7	162753	5-22	163511	3-8	164644	3-22
161778	4-7	162754	5-22	163512	3-8	164645	3-22
161779	4-4	162755	5-22	163517	4-2	164646	3-22
161780	4-4	162756	5-22	163519	3-13	164647	3-22
161781	4-4	162757	5-22	163585	3-8	164649	3-22
161782	4-4	162758	5-22	163586	3-8	164650	3-22
161783	4-4	162760	5-22	163587	4-3	164651	3-22
161787	4-4	162762	5-23	163636	1-18	164652	3-11
		162763	5-7	163637	1-18	164653	3-22

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
164656	3-11	173450	6-19	173818	4-2	176405	3-24
164872	3-25	173452	2-5	173819	4-2	176406	3-24
164888	5-23	173453	3-3	173820	4-5	176407	3-24
164901	1-25	173454	3-10	173821	4-5	176422	4-7
164903	1-25	173455	1-12	173822	4-5	176436	3-24
164964	5-24	173456	1-12	173824	2-4, 2-5, 2-8	176489	5-2
164965	5-24	173457	1-12	173841	2-3, 2-5	176490	5-2
165103	1-32	173458	1-13	173842	2-5, 3-26	176491	5-2
165449	2-6	173508	3-21	173843	2-9	176495	2-7
170062	6-15	173601	5-2	173844	2-5	176638	5-24
170063	6-15	173602	5-23	173845	2-3	176640	5-14
170066	6-22	173604	5-23	173846	2-9	176647	5-26
170079	6-16	173606	5-23	173848	2-9	176944	3-25
170123	6-17	173607	5-23	173849	4-6	177005	3-10
170219	5-6	173608	5-23	173851	1-20	177010	1-32, 2-6
170241	5-6	173609	5-23	173852	1-20	178178	5-24
170242	5-5	173614	5-23	173857	2-9	178426	4-3
170243	5-5	173616	5-23	173858	2-9	178427	4-3
170247	5-5	173618	5-23	173859	2-9	178491	3-15
170306	1-11	173619	5-21	173861BR	1-15	178492	3-15
170385	3-12	173620	5-21	173872BR	1-18, 1-19	178493	3-15
170386	3-14	173621	5-21	173873	1-18	178494	3-15
170391	3-14	173645	3-20	173874	1-18	178714	1-24
170779	5-6	173691	5-21	173875	1-18	178725	3-19
170788	5-6	173698	6-19, 6-26	173876	1-18	178726	3-19
170907	5-21	173699	6-26, 6-27	173877	1-18	178728	3-19
171541	1-32, 2-6	173705	2-10	173878	1-19	178840	1-32, 2-6
171952	1-12, 1-17, 1-20	173706	2-10	173879	1-18	178841	1-32, 2-6
171953	1-12, 1-13, 1-17, 1-20	173707	2-10	173920	1-2	178843	1-32, 2-6
171972	1-12, 1-17, 1-20	173708	2-10	173942	2-4, 2-5	178849	3-19
171973	1-12, 1-13, 1-17, 1-20	173709	2-10	173943	2-4	178851	3-19
172532	6-27	173710	2-10	173944	2-4	178859	1-32, 2-6
172550	6-27	173711	3-18	173956BR	2-2	178868	1-32, 2-6
172558	6-27	173712	3-3	173957BR	2-2	178866	1-32, 2-6
172568	6-27	173714	2-2	173958BR	2-2	178887	1-32, 2-6
172570	6-27	173719	2-10	173959	2-3	178888	1-32, 2-6
172591	6-26	173754	5-9	173974	1-2, 1-26	178916	5-25
172595	6-26, 6-27	173755	5-9	173977	5-9	178919	5-25
172597	6-26, 6-27	173756	5-9	173978	5-9	178920	5-25
172599	6-26, 6-27	173757	5-9	173979	5-9	178921	5-25
172608	6-27	173764	2-3	173981	5-9	178922	5-25
172619	6-26, 6-27	173765	2-9	173992	5-19	178924	5-25
172698BR	1-25	173770	5-5	173993	5-19	178925	5-25
172702BR	1-25	173775	5-9	173994	5-19	178926	5-25
172703BR	1-25	173776	4-2	173996	1-24	178927	5-25
172715	1-25	173777	1-13	174250	3-26	178930	5-25
172758	1-25	173778	1-13	174314	3-23	178931	5-25
172763	1-25	173779	2-5	174349	7-9	178932	5-25
172938	8-6	173780	1-20	174410	3-16	179103	8-7
172966	4-3	173781	1-13	174411	3-16, 7-8	179110	3-25
172978	3-10	173783	2-4, 2-5, 2-7	174412	3-16, 7-8	179130	1-30
172983	5-7	173784	1-17	174413	3-16, 7-8	179131	1-25
172984	5-5	173785	1-17	174414	3-16, 7-8	179164	1-26
172993	5-5	173786	2-10	174415	3-16, 7-8	179235	6-31
173096	3-15	173787	2-10	174416	3-16, 7-8	179236	6-31
173168	1-24	173792	1-17	174417	2-2	179237	6-31
173200	5-19	173793	3-7	174420	7-8	179238	6-31
173340	5-4	173794	3-7	174421	3-16, 7-8	179239	6-31
173395BR	2-2, 2-3, 2-5	173795	3-7	174422	3-16, 7-8	179240	6-31
173440	7-7	173796	2-3, 2-4	174438	1-19	179241	6-31
173441	4-6	173797	2-5	175713	5-9	179256	1-11
173442	4-6	173798	2-4	176167	1-6	179258	3-19
173443	5-21, 5-22, 5-23	173800	2-5	176252	5-3	179278	3-19
173446	5-20	173801	2-5	176266	5-2	179279	3-19
173448	4-2	173803	6-24	176286	5-22	179290BR	1-29
		173816BR	2-2, 2-3	176287	4-7	179291BR	1-29
		173817	2-5	176288	4-7	179293BR	1-28

MASTER NUMERICAL INDEX (Continued)

Part Number	Page	Part Number	Page	Part Number	Page	Part Number	Page
179294	1-28	179495	1-25	194054	6-24	304206	2-4, 2-6
179295	1-29	179573	5-7	194863	1-24	304207	3-26
179296	1-29	179815BR	1-25	195158	3-26	304208	3-26
179297	1-30	180083	5-26	195177	2-6	304209	3-26
179298	1-30	192007	1-24	195187	3-16, 7-8	304210	3-26
179299BR	1-25	192518	6-22	195251	5-15, 6-19	304211	3-26
179300BR	1-25	192629	3-21	195258	1-24	304212	3-26
179301	6-31	192661	5-3	195327	3-26	304213	3-25
179303	1-28	192709	5-3	195417	3-26	304214	3-25
179304	1-28	192773	1-27	195526	2-6	304220	3-25
179305BR	1-28	192849	5-11	195527	2-6	304221	3-25
179306	1-28	193479	2-4	195528	2-6	304222	3-25
179307	1-32	193565	3-21, 4-24	195634	5-15, 6-19	304224	1-32
179309	6-31	193577	1-29	195659	1-24	304226	1-26
179310	6-31	193639	5-22	195921	1-31	304227	1-26
179311BR	1-29	193654	3-22	195922	1-31	304228	3-25
179312	1-29	193804	5-26	195930	1-31	304229	3-25
179366	6-31	193821	5-26	195932	1-31	304658	3-26
179367	1-28	193822	5-26	195933	1-31	304659	3-26
179368	6-31	193824	5-26	195934	1-31	305678	1-31
179369	6-31	193945BR	1-24	195935	1-31	305679	1-31
179370	1-28	193949	1-24	195936	1-31	305695	3-25
179371	1-28	193950	1-24	197446	1-18	305700	3-25
179372	1-25	193951	1-24	198062	1-31	306019	1-15
179376	1-32	193952	1-24, 1-31	198679	3-25	306709	8-4, 8-7
179377	6-31	193953BR	1-24	198680	3-26	309421	2-4
179378	1-29	193955	1-24	198693	8-4, 8-7	309422	2-9
179383	3-6	193957	1-24	304195	1-26	309423	2-9
179396	6-24	193958	1-24	304197	3-26	309494	2-6
179397	6-24	193960	1-24, 1-31	304198	6-26, 6-27	309495	2-4
179420	8-7	193963	1-24	304203	2-4, 2-6	310342	1-31
179423	8-7	193964	1-24, 1-31	304204	6-26, 6-27	311727	2-5
179424	8-7	193965	1-24, 1-31				
179451	6-16						
179452	6-16						

UFC 16K