

# TELETYPE

PRINTING TELEGRAPH SYSTEMS

BULLETIN 1157B

PARTS  
MODEL 28 PRINTER SET  
(STUNT BOX C.A.A)



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APRIL 1955

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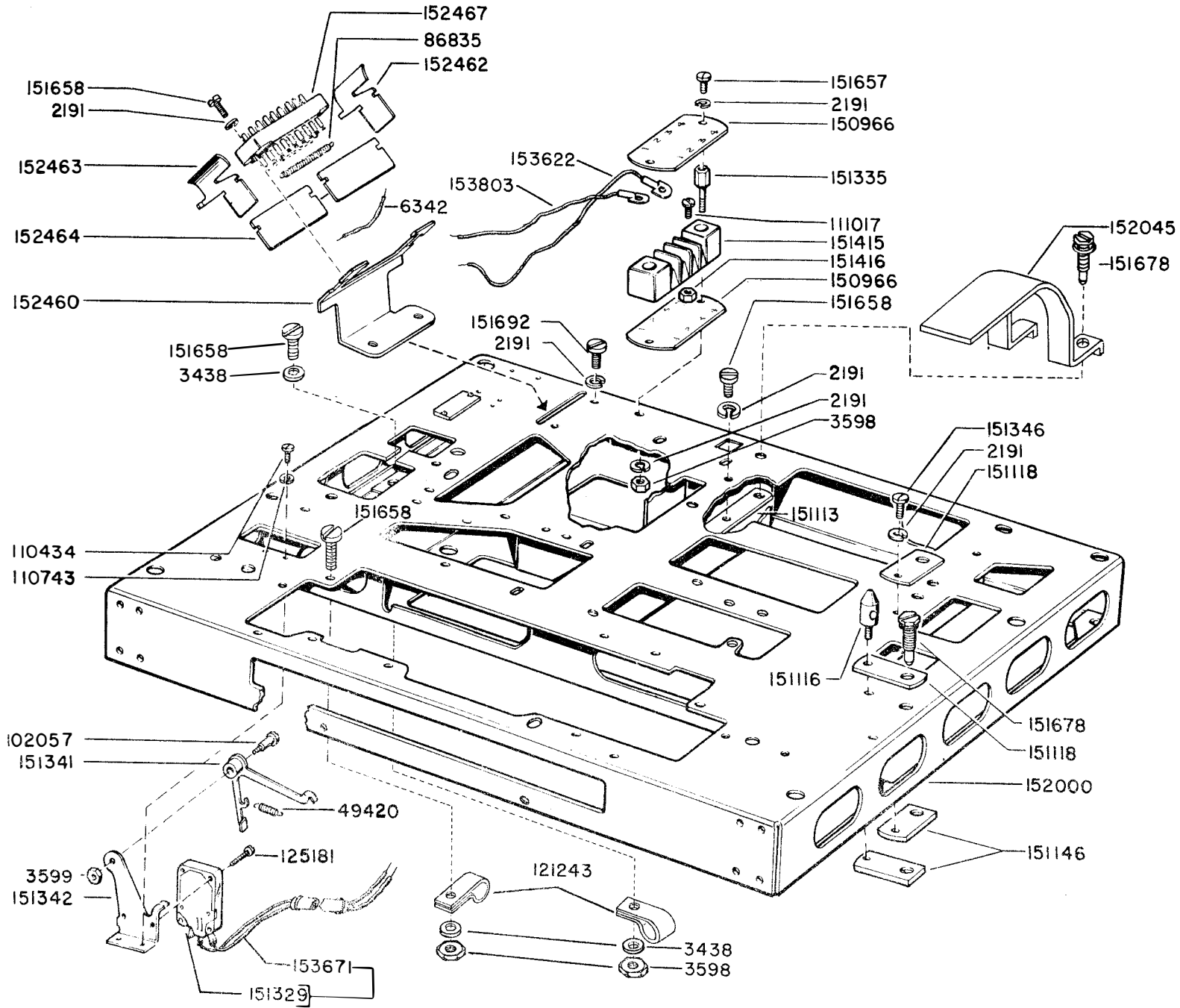
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Figure 1. Base Mechanism



## NUMERICAL INDEX - FIGURE 1

Part Number	Description
2191	Washer, Lock
3438	Washer, Flat
3598	Nut (6-40)
3599	Nut (4-40)
6342	Wire, Keyboard Connector
49420	Spring, Margin Indicator
86835	Spring, Connector Latch
102057	Screw, Shoulder (4-40)
110434	Screw (4-40 x 1/4)
110743	Washer, Lock
111017	Screw (6-40 x 5/16)
121243	Clamp, Cable
125181	Screw (2-56 x 3/8)
150966	Insulator, Terminal Block
151113	Strip, Motor Mounting
151116	Stud, Typing Unit Locating
151118	Plate, Typing Unit Spacing
151146	Strap, Typing Unit Mounting
151329	Switch, Margin Indicator
151335	Stud, Terminal Block
151341	Lever, Margin Indicator Contact
151342	Bracket, Margin Indicator Switch
151346	Screw (6-40 x 3/8)
151415	Block, Keyboard Terminal
151416	Nut (6-40)
151657	Screw (6-40 x 1/4)
151658	Screw (6-40 x 5/16)
151678	Screw, Typing Unit Mounting
151692	Screw (6-40 x 3/16)
152000	Base
152045	Guard, Gear
152460	Bracket, Connector Mounting
152462	Latch, Right
152463	Latch, Left
152464	Insulator, Connector
152467	Connector, Keyboard
153622	Strap, Keyboard Connector and Terminal Block
153671	Switch with Cable, Margin Indicator
153803	Strap, Keyboard Connector and Terminal Block

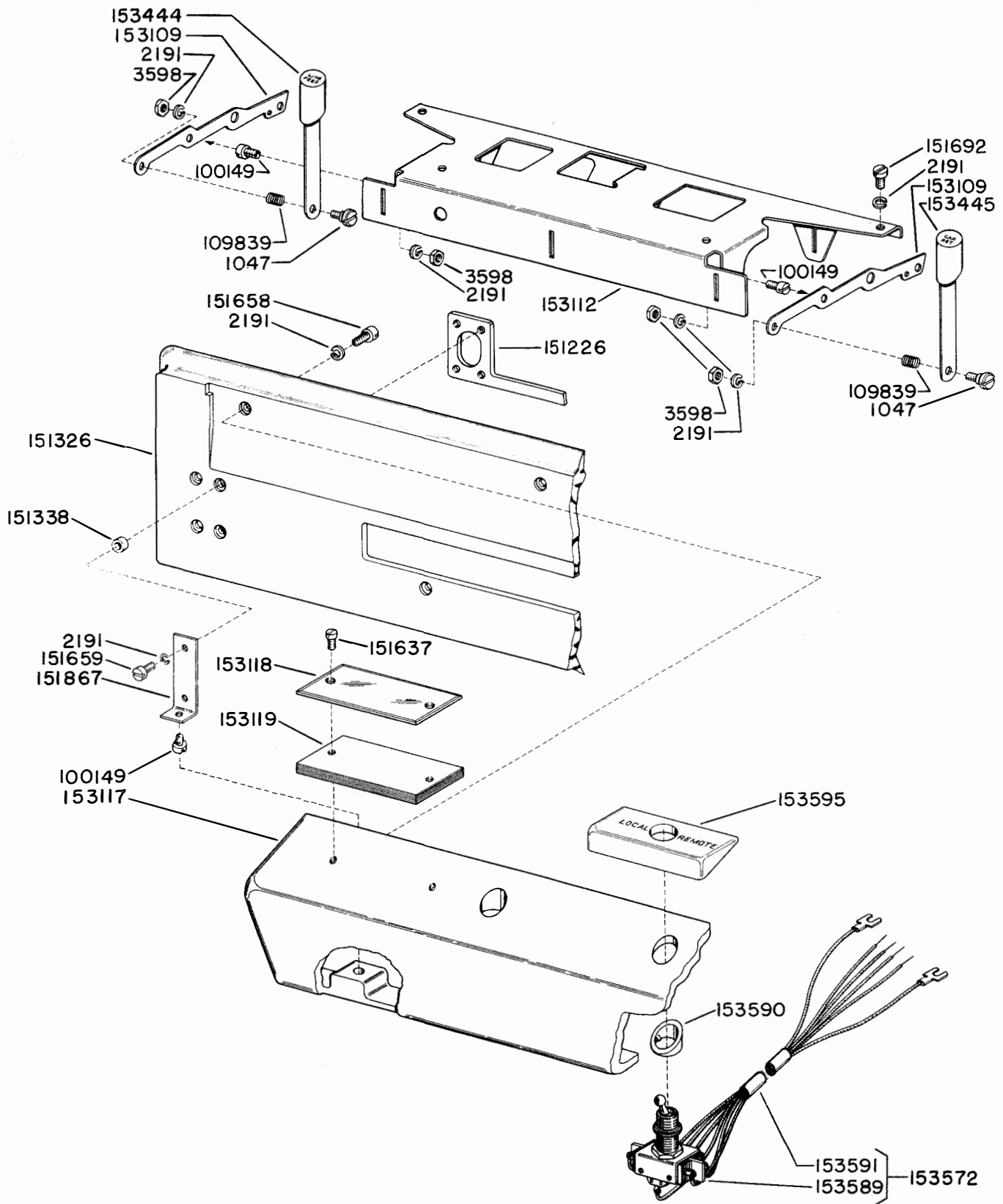


Figure 2. Base Mechanism



## NUMERICAL INDEX - FIGURE 2

Part Number	Description
1047	Screw, Shoulder (6-40)
2191	Washer, Lock
3598	Nut (6-40)
93117	Washer, Lock
100149	Stud, Function Lever Pivot
109839	Spring, Keylever
151226	Strip, Nut Plate
151326	Plate, Sealing
151338	Collar, Spacing
151637	Screw (4-40 x 1/4)
151658	Screw (6-40 x 5/16)
151659	Screw (6-40 x 1/2)
151692	Screw (6-40 x 3/16)
151867	Bracket, Keylever Cover
153109	Lever, Function
153112	Bracket, Function Lever Guide
153117	Cover, Keylever
153118	Cover, Label
153119	Label Set
153444	Keylever (LINE FEED)
153445	Keylever (CAR RET)
153572	Cable and Switch, Local Remote
153589	Switch, Local - Remote
153590	Spacer, Switch Mounting
153591	Cable, Base
153595	Block, Switch Mounting

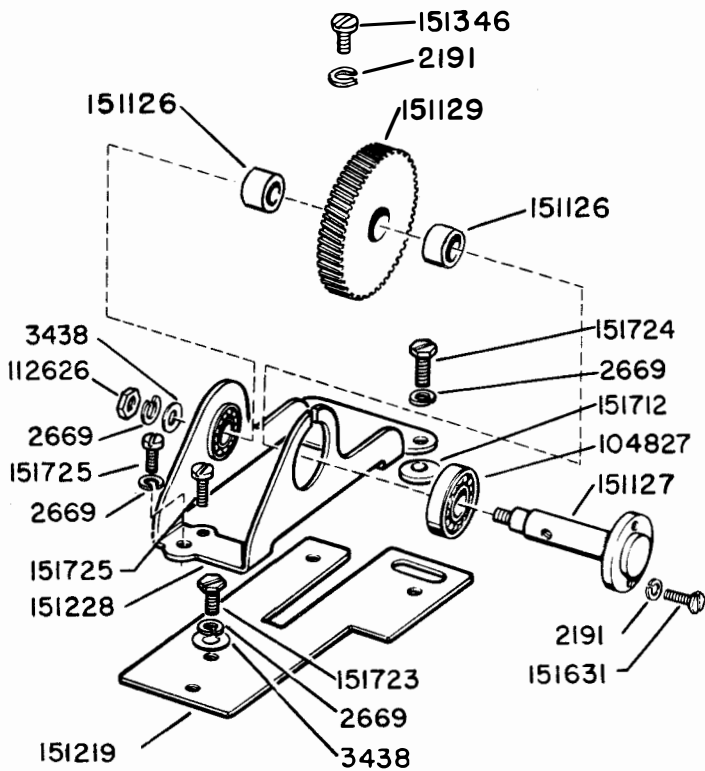


Figure 3. Base, Intermediate Gear Mechanism

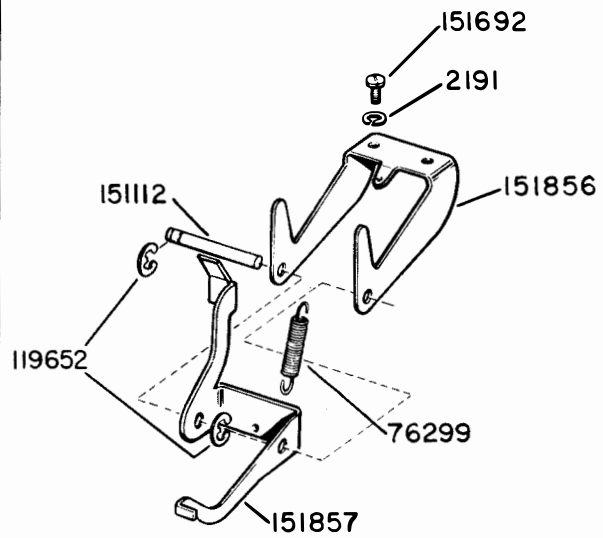


Figure 4. Base, Carriage Return Mechanism

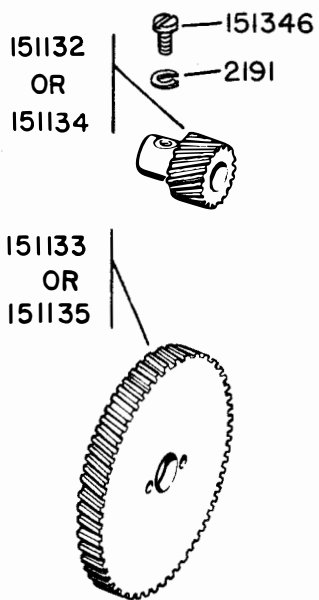


Figure 5. Gear Sets

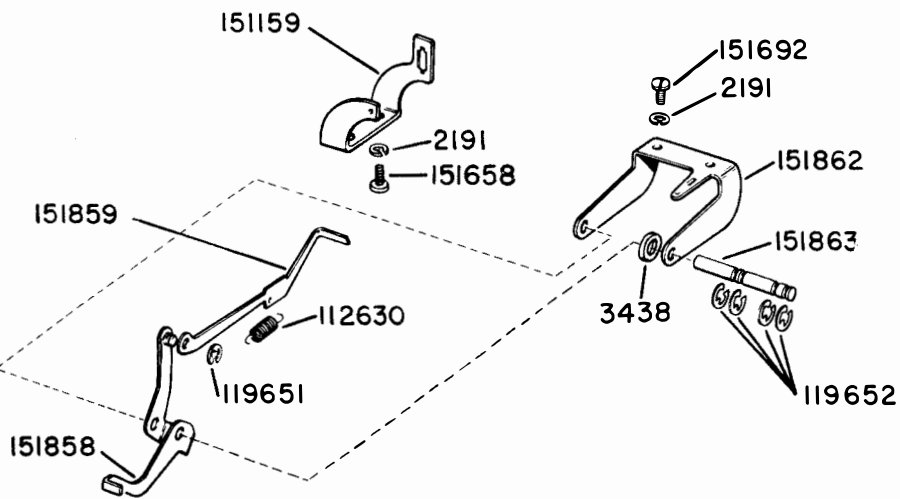


Figure 6. Base, Local Line Feed Mechanism

## NUMERICAL INDEX - FIGURES 3, 4, 5, 6

Part Number	Description
2191	Washer, Lock
2669	Washer, Lock
3438	Washer, Flat
76299	Spring, Carriage Return Bail
104827	Bearing, Intermediate Gear Shaft Ball
112626	Nut (10-32)
112630	Spring, Local Line Feed Trip Link
119651	Ring, Retaining
119652	Ring, Retaining
151112	Shaft, Carriage Return Bail
151126	Spacer, Intermediate Driving Gear
151127	Shaft, Intermediate Gear-Driving
151129	Gear, Intermediate Typing Unit Driving
151132	Pinion, Motor (75 WPM)
151133	Gear, Intermediate Driven (75 WPM)
151134	Pinion, Motor (100 WPM)
151135	Gear, Intermediate Driven (100 WPM)
151159	Bracket, Local Line Feed Trip Link
151219	Plate
151228	Bracket, Intermediate Gear
151346	Screw (6-40 x 3/8)
151631	Screw (6-40 x 5/16)
151658	Screw (6-40 x 5/16)
151692	Screw (6-40 x 3/16)
151712	Button, Intermediate Gear Bracket Pivot
151723	Screw, Nut Plate (10-32 x 3/8)
151724	Screw, Bracket Mounting (10-32 x 5/8)
151725	Screw, Bracket Clamping, Adjusting (10-32 x 3/4)
151856	Bracket, Carriage Return
151857	Bail, Carriage Return
151858	Bail, Local Line Feed Trip
151859	Link, Local Line Feed Trip
151862	Bracket, Local Line Feed, Lock
151863	Shaft, Local Line Feed Bail, Lock Bail

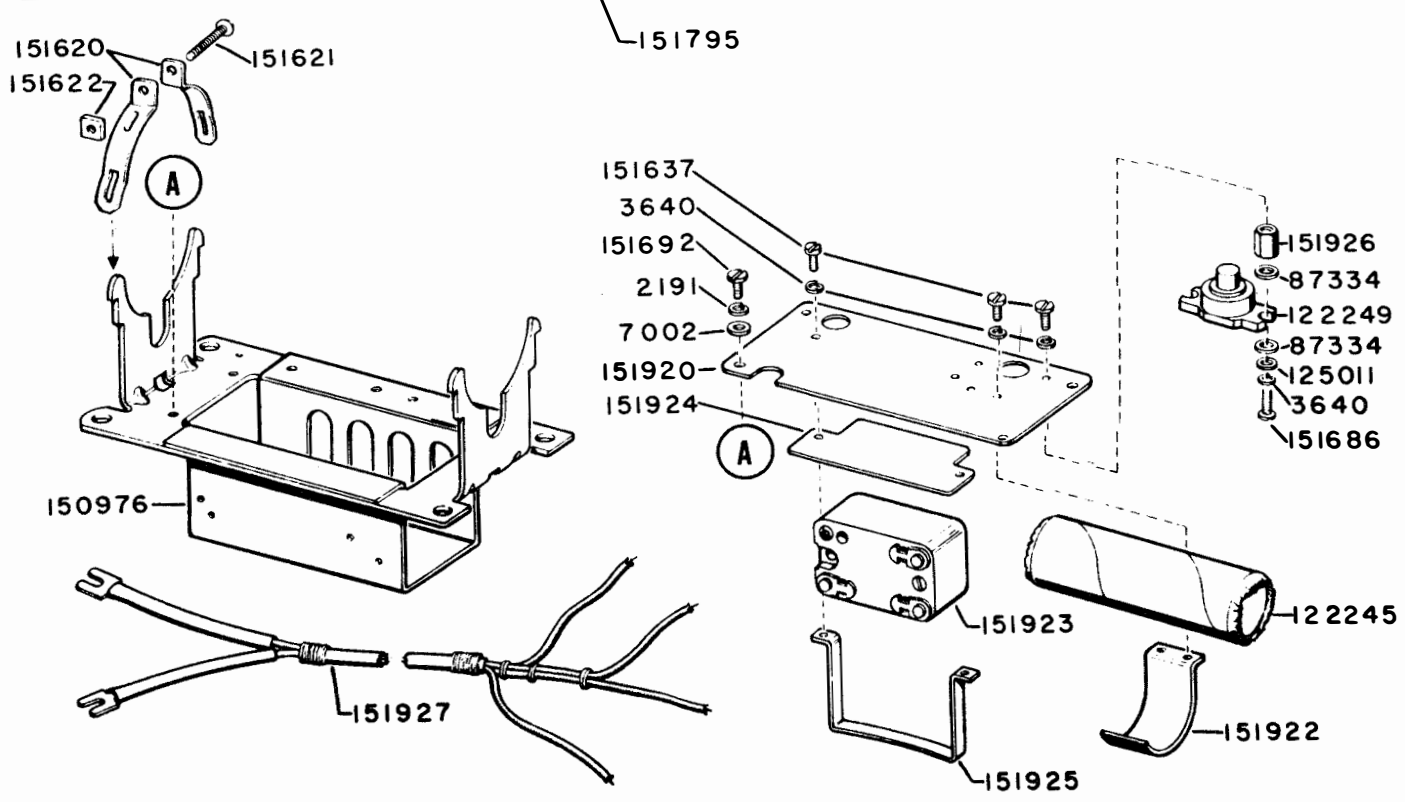
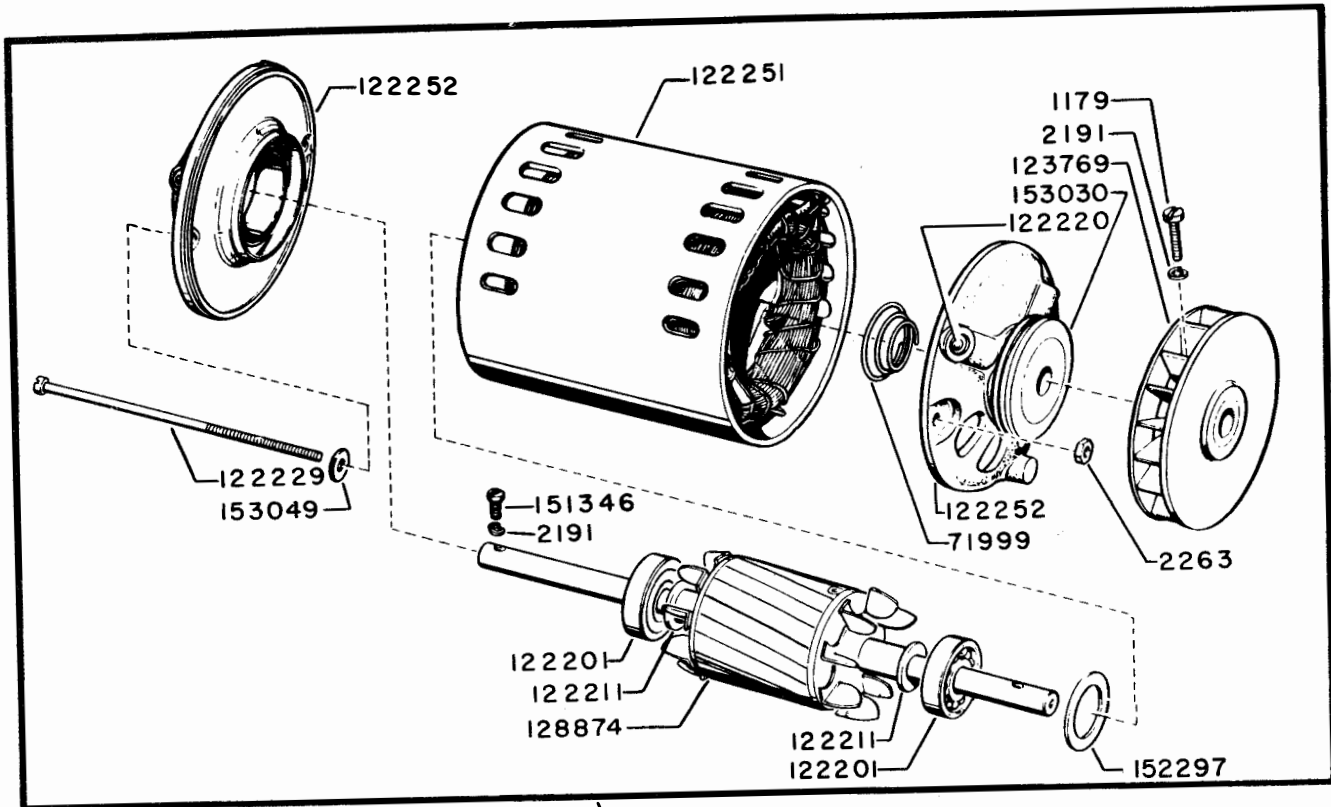


Figure 7. Synchronous Motor Unit

## NUMERICAL INDEX - FIGURE 7

Part Number	Description
1179	Screw (6-40 x 5/8)
2191	Washer, Lock
2263	Nut (8-32)
3640	Washer, Lock
7002	Washer, Flat
71999	Spring, Motor Thrust
87334	Washer, Insulating
122201	Bearing, Ball
122211	Washer, Pull
122220	Oiler, Ball
122229	Bolt, Clamping
122245	Capacitor, Fixed
122249	Switch, Thermostatic
122251	Stator, Motor
122252	End Bell
123769	Fan, Synchronous Motor
125011	Washer, Flat
128874	Rotor, Motor
150976	Bracket, Synchronous Motor Mounting
151620	Strap, Motor Mounting
151621	Screw (6-32 x 3/4)
151622	Nut (6-32)
151637	Screw (4-40 x 1/4)
151686	Screw (4-40 x 3/8)
151692	Screw (6-40 x 3/16)
151795	Motor, Synchronous
151920	Plate, Relay, Capacitor Mounting
151922	Clamp, Capacitor
151923	Relay
151924	Insulator, Relay
151925	Clamp, Relay
151926	Nut (4-40)
151927	Cable, Synchronous Motor Unit
152297	Washer, Bearing
153030	Mount, Vibration
153049	Washer, Fiber

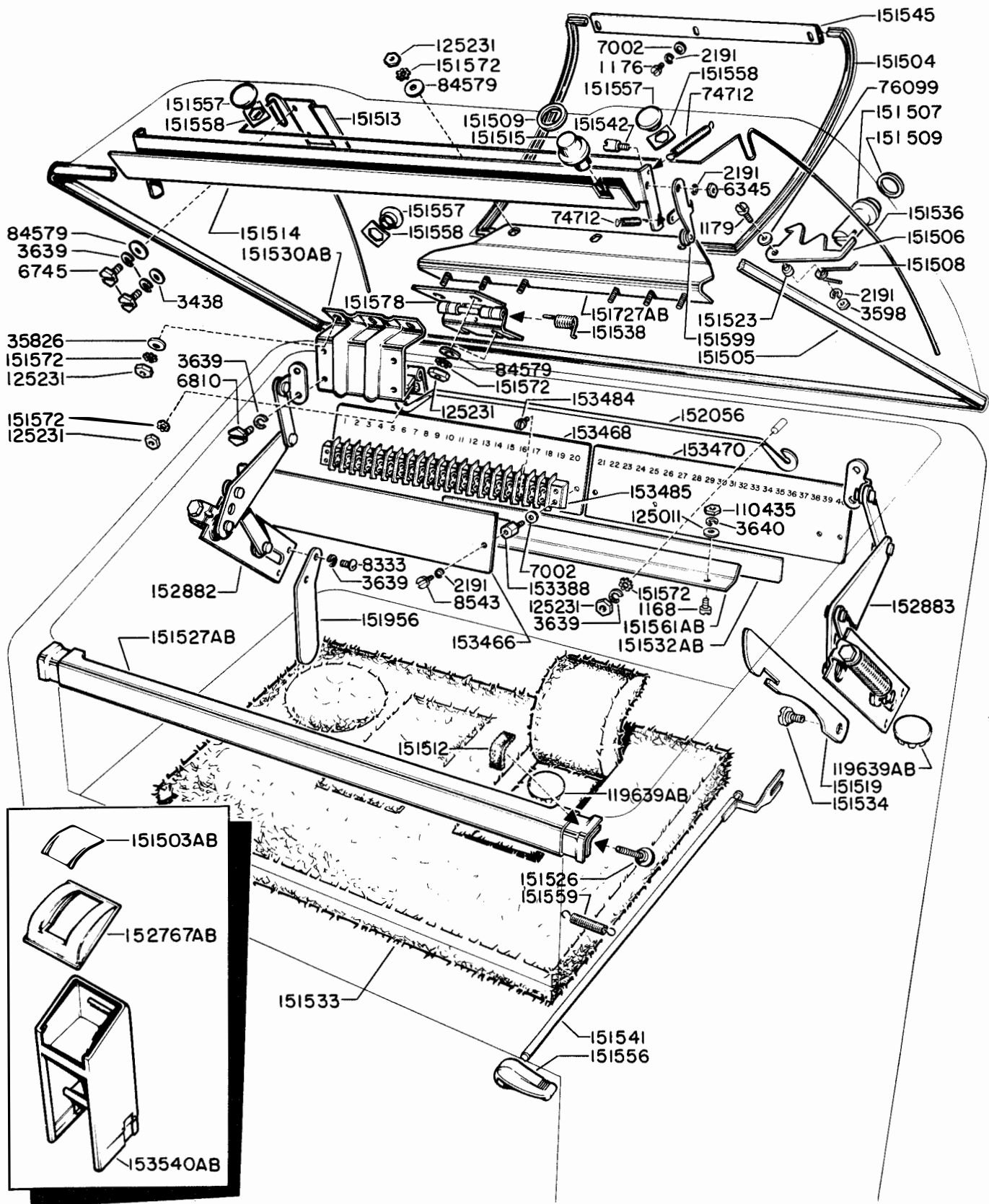


Figure 8. Cabinet

## NUMERICAL INDEX - FIGURE 8

Part Number	Description	Part Number	Description
1168	Screw (4-40 x 5/16)	151727AB	Extension, Dome Door Hinge
1176	Screw (6-40 x 3/16)	151956	Guide, Cable
1179	Screw (6-40 x 5/8)	152056	Guide, Cable
2191	Washer, Lock	152767AB	Dome, Cabinet
3438	Washer, Flat	152882	Arm, Dome Counterbalance-Left
3598	Nut (6-40)	152883	Arm, Dome Counterbalance-Right
3639	Washer, Lock	153388	Stud, Terminal Board Cover
3640	Washer, Lock	153466	Cover, Terminal Board
6345	Nut (6-32)	153468	Insulator, Terminal Board-Left
6745	Screw (10-32 x 1/2)	153470	Insulator, Terminal Board-Right
6810	Screw (10-32 x 3/8)	153484	Screw (6-32 x 1/4)
7002	Washer, Flat	153485	Board, Terminal
8333	Screw (10-32 x 3/8)	153540AB	Cabinet, Lower Section
8543	Screw (6-40 x 1/4)		
35826	Washer, Flat		
74712	Spring, Dome Latch Bar		
76099	Washer, Flat		
84579	Washer, Flat		
110435	Nut (4-40)		
119639AB	Button, Plug		
125011	Washer, Flat		
125231	Nut (10-32)		
151503AB	Door, Dome		
151504	Gasket, Dome Door		
151505	Gasket, Cabinet Dome		
151506	Latch, Dome Door		
151507	Button, Dome Door Push		
151508	Spring, Dome Door Latch		
151509	Washer, Push Button		
151512	Seal, Cross Bar Noise		
151513	Retainer, Copy Window		
151514	Bar, Dome Latch		
151515	Button, Dome Push		
151519	Arm, Base Latch		
151523	Bushing, Dome Door Latch		
151526	Screw, Thumb (10-32)		
151527AB	Bar, Cabinet Cross		
151530AB	Hinge, Dome		
151532AB	Cover, Form Slot		
151533	Pad, Base		
151534	Screw, Shoulder (10-32)		
151536	Guide, Cable		
151538	Spring, Dome Door Hinge Torsion		
151541	Shaft, Power Supply Switch Operating		
151542	Stud, Dome Latch Bar Pivot		
151545	Guide, Dome Door Paper		
151556	Knob, Switch Operating Shaft		
151557	Lens, Indicator Light		
151558	Nut, Speed		
151559	Spring, Switch Operating Shaft		
151561AB	Plate, Retainer		
151572	Washer, Lock		
151578	Hinge, Dome Door		
151599	Lever, Dome Latch Bar		

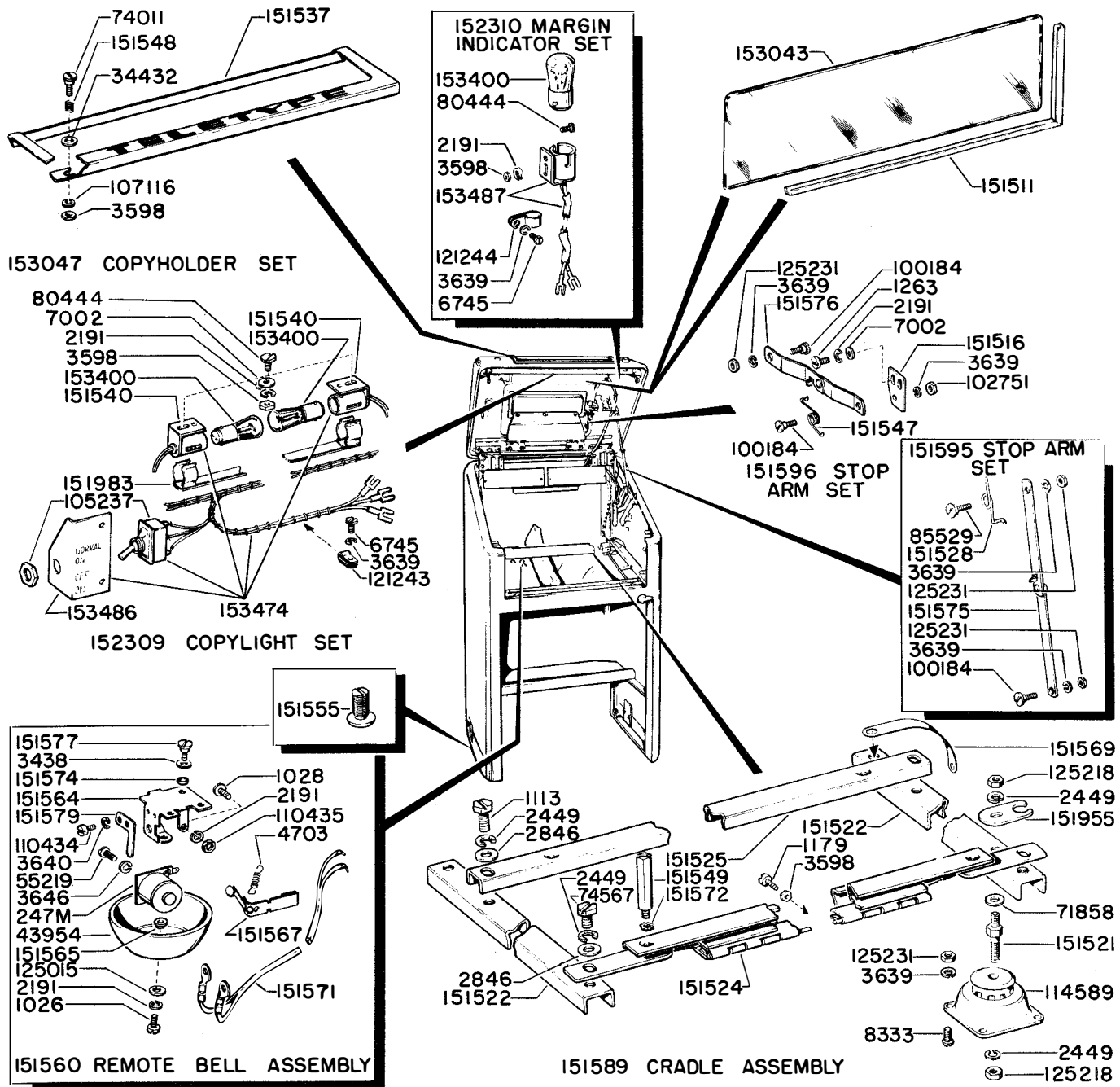


Figure 9. Cabinet



## NUMERICAL INDEX - FIGURE 9

Part Number	Description	Part Number	Description
247M	Magnet, Remote Signal Bell	151569	Strap, Grounding
1026	Screw (6-40 x 3/8)	151571	Cable, Remote Signal Bell
1028	Screw (4-40 x 7/32)	151572	Washer, Lock
1113	Screw (1/4-20 x 7/8)	151574	Grommet, Rubber
1179	Screw (6-40 x 5/8)	151575	Arm, Dome Stop
1263	Screw (6-32 x 1/4)	151576	Arm, Dome Door Stop
2191	Washer, Lock	151577	Screw, Shoulder (6-40)
2449	Washer, Lock	151579	Plate, Armature Retaining
2846	Washer, Flat	151589	Cradle Assembly
3438	Washer, Flat	151595	Stop Arm Set, Dome
3598	Nut (6-40)	151596	Stop Arm Set, Dome Door
3639	Washer, Lock	151955	Guide, Cable
3640	Washer, Lock	151983	Shield, Copylight
3646	Washer, Lock	152309	Copylight Set
4703	Spring, Armature	152310	Indicator Set, Margin
6745	Screw (10-32 x 1/2)	153043	Window, Copy
7002	Washer, Flat	153047	Copyholder Set
8333	Screw (10-32 x 3/8)	153400	Lamp, Incandescent
34432	Washer, Flat	153474	Cable Assembly, Copylight
43954	Bell, Remote Signal	153486	Bracket, Copylight Switch Mounting
55219	Screw (8-32 x 3/8)	153487	Cable and Socket, Margin Indicator
71858	Washer, Flat		
74011	Screw, Shoulder (6-40)		
74567	Screw (1/4-20 x 33/64)		
80444	Screw (6-40 x 1/4)		
85529	Screw, Shoulder (10-32)		
100184	Screw, Shoulder (10-32)		
102751	Nut (10-32)		
105237	Switch, Copy Light		
107116	Washer, Lock		
110434	Screw (4-40 x 1/4)		
110435	Nut (4-40)		
114589	Mount, Vibration		
121243	Clamp, Copy Light Cable		
121244	Clamp, Margin Indicator Light Cable		
125015	Washer, Flat		
125218	Nut (1/4 - 32)		
125231	Nut (10-32)		
151511	Gasket, Copy Window		
151516	Bracket, Dome Door Stop Arm		
151521	Stud, Cradle Mounting		
151522	Rail, Side Cradle		
151524	Hinge, Cradle		
151525	Rail, Rear Cradle		
151528	Spring, Dome Stop Arm		
151537	Copyholder		
151540	Lampholder, Copy Light		
151547	Spring, Dome Door Stop Arm		
151548	Spring, Copyholder Compression		
151549	Screw, Base Mounting (1/4 - 32)		
151555	Foot, Mounting		
151560	Bell Assembly, Remote		
151564	Bracket, Remote Signal Bell Mounting		
151565	Bushing, Bell Shoulder		
151567	Armature, Remote Signal Bell		

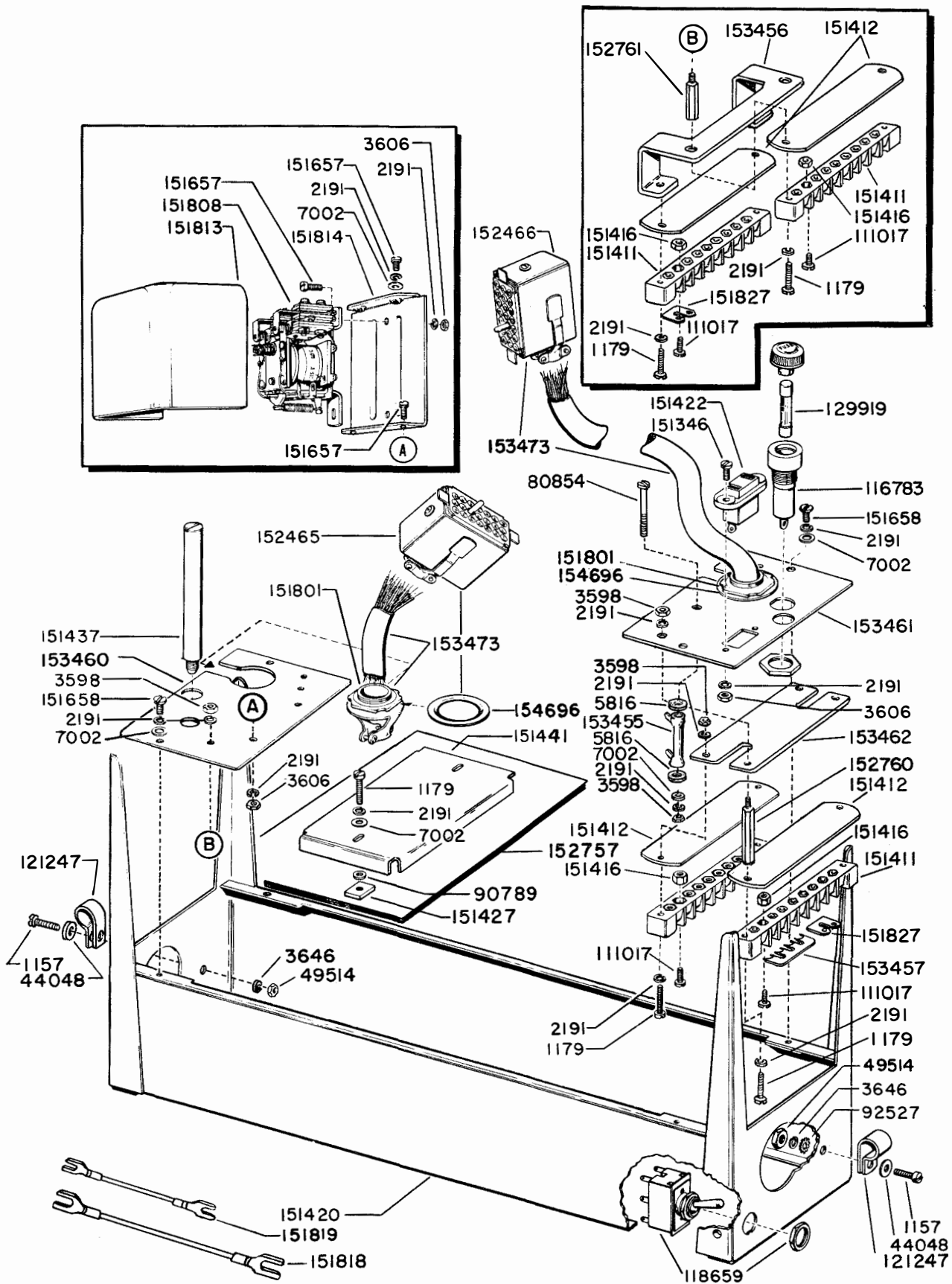


Figure 10. Electrical Service Unit

## NUMERICAL INDEX - FIGURE 10

Part Number	Description
1157	Screw (8-32 x 1/2)
1179	Screw (6-40 x 5/8)
2191	Washer, Lock
3598	Nut (6-40)
3606	Nut (6-40)
3646	Washer, Lock
5816	Washer, Insulating
7002	Washer, Flat
44048	Washer, Flat
49514	Nut (8-32)
80854	Screw (6-40 x 1-7/16)
90789	Washer, Flat
92527	Washer, Lock
111017	Screw (6-40 x 5/16)
116783	Holder, Fuse
118659	Switch, Power Supply
121247	Clamp, Cable
129919	Fuse, Power
151346	Screw (6-40 x 3/8)
151411	Block, Terminal
151412	Insulator, Terminal Block
151416	Nut (6-40)
151420	Container, Electrical Service Unit
151422	Receptacle, Convenience
151427	Plate, Clamp
151437	Stud
151441	Plate, Blank
151657	Screw (6-40 x 1/4)
151658	Screw (6-40 x 5/16)
151801	Bushing, Clamp
151808	Relay, Line Shunt
151813	Cover, Relay
151814	Bracket, Relay Mounting
151818	Jumper
151819	Jumper
151827	Strap, Connector
152465	Plug, Keyboard
152466	Plug, Typing Unit
152757	Plate Assembly
152760	Stud, Terminal Block Mounting
152761	Stud, Terminal Block Mounting
153455	Resistor (600 ohm)
153456	Bracket, Terminal Block Mounting
153457	Strap, Connector
153460	Plate, Left Mounting
153461	Plate, Right Mounting
153462	Plate, Terminal Board Mounting
153473	Cable Assembly
154696	Washer, Extruded

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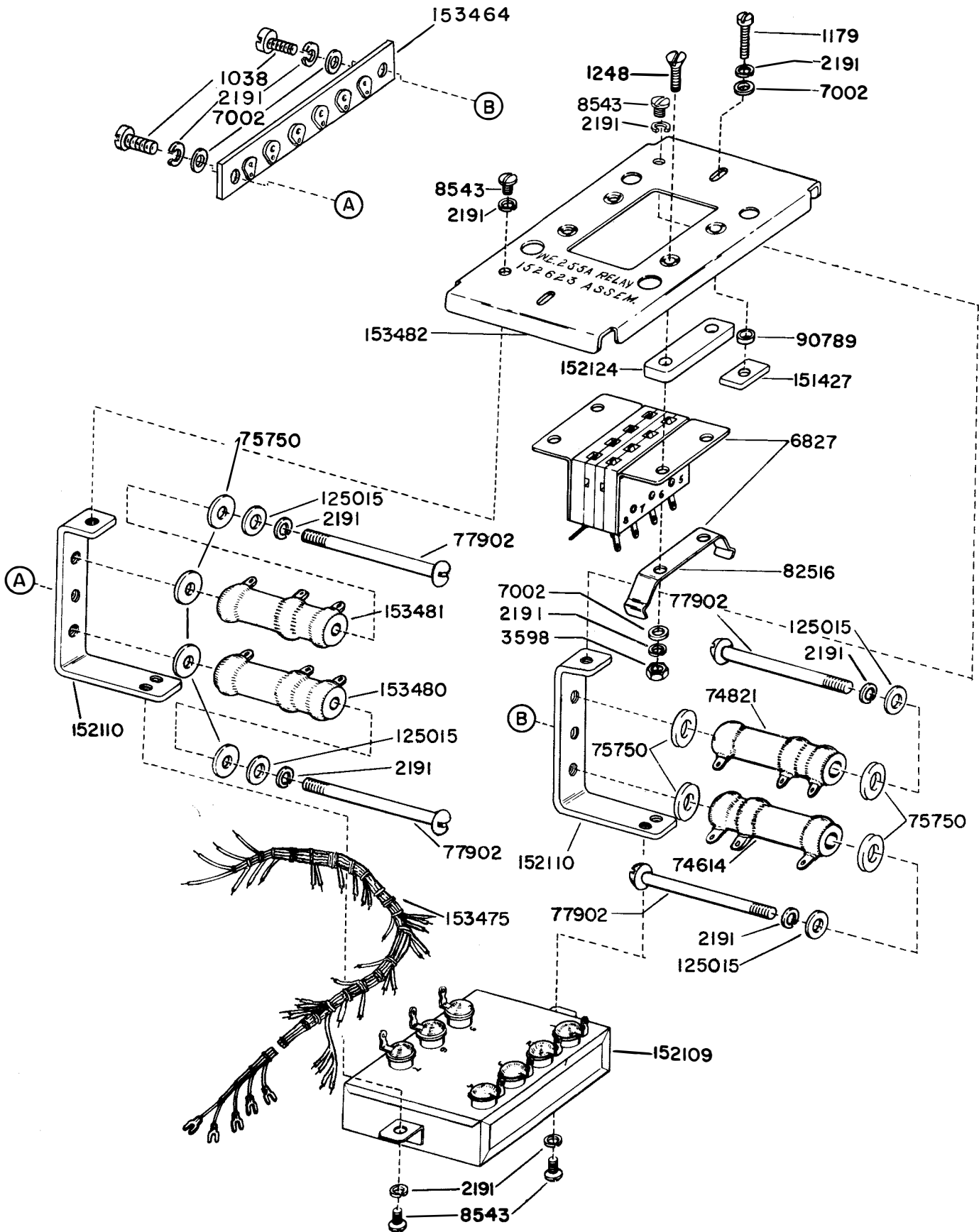


Figure 11. Electrical Service Unit, 152623 Line Relay Mounting Assembly

## NUMERICAL INDEX - FIGURE 11

Part Number	Description
1038	Screw (6-40 x 9/32)
1179	Screw (6-40 x 5/8)
1248	Screw (6-40 x 7/16)
2191	Washer, Lock
3598	Nut (6-40)
6827	Block, Connecting
7002	Washer, Flat
8543	Screw (6-40 x 1/4)
74614	Resistor (2600 ohm)
74821	Resistor (2810 ohm)
75750	Washer, Bakelite
77902	Screw (6-40 x 2-1/2)
82516	Spring, Relay Retaining
90789	Washer, Flat
125015	Washer, Flat
151427	Plate, Clamp
152109	Filter
152110	Bracket, Resistor Mounting
152124	Spacer, Connecting Block
152623	Mounting Assembly, Line Relay
153464	Board, Terminal
153475	Cable, Line Relay Mounting Assembly
153480	Resistor (6750 ohm)
153481	Resistor (5800 ohm)
153482	Plate, Line Relay Mounting

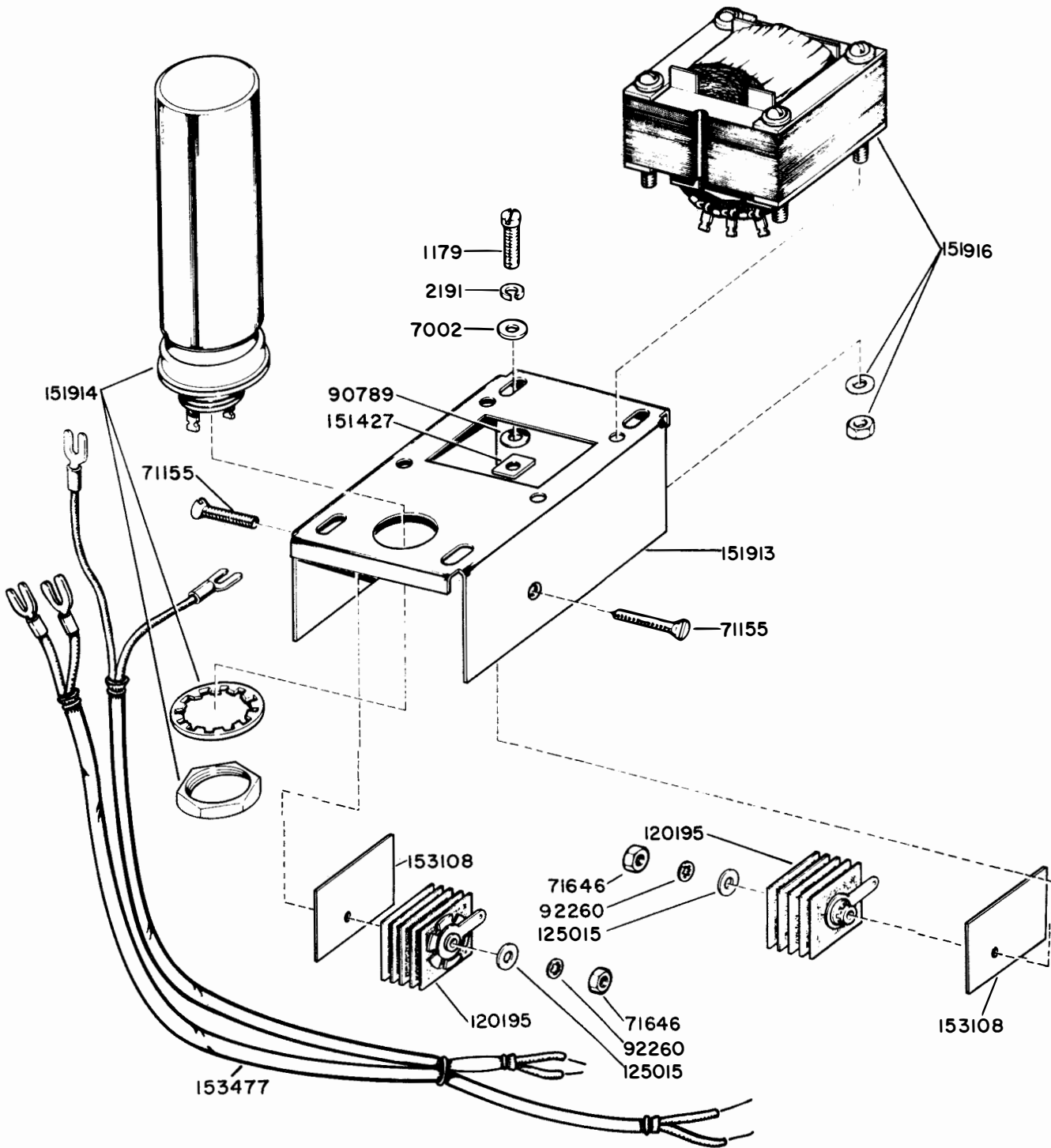


Figure 12. Electrical Service Unit, 152950 Rectifier and Cable Assembly

## NUMERICAL INDEX - FIGURE 12

Part Number	Description
1179	Screw (6-40 x 5/8)
2191	Washer, Lock
7002	Washer, Flat
71155	Screw (6-32 x 1-3/16)
71646	Nut (6-32)
90789	Washer, Flat
92260	Washer, Lock
120195	Rectifier, Metallic
125015	Washer, Flat
151427	Plate, Clamp
151913	Plate, Rectifier Mounting
151914	Capacitor
151916	Transformer
152950	Rectifier and Cable Assembly
153108	Insulator, Rectifier
153477	Cable, Rectifier

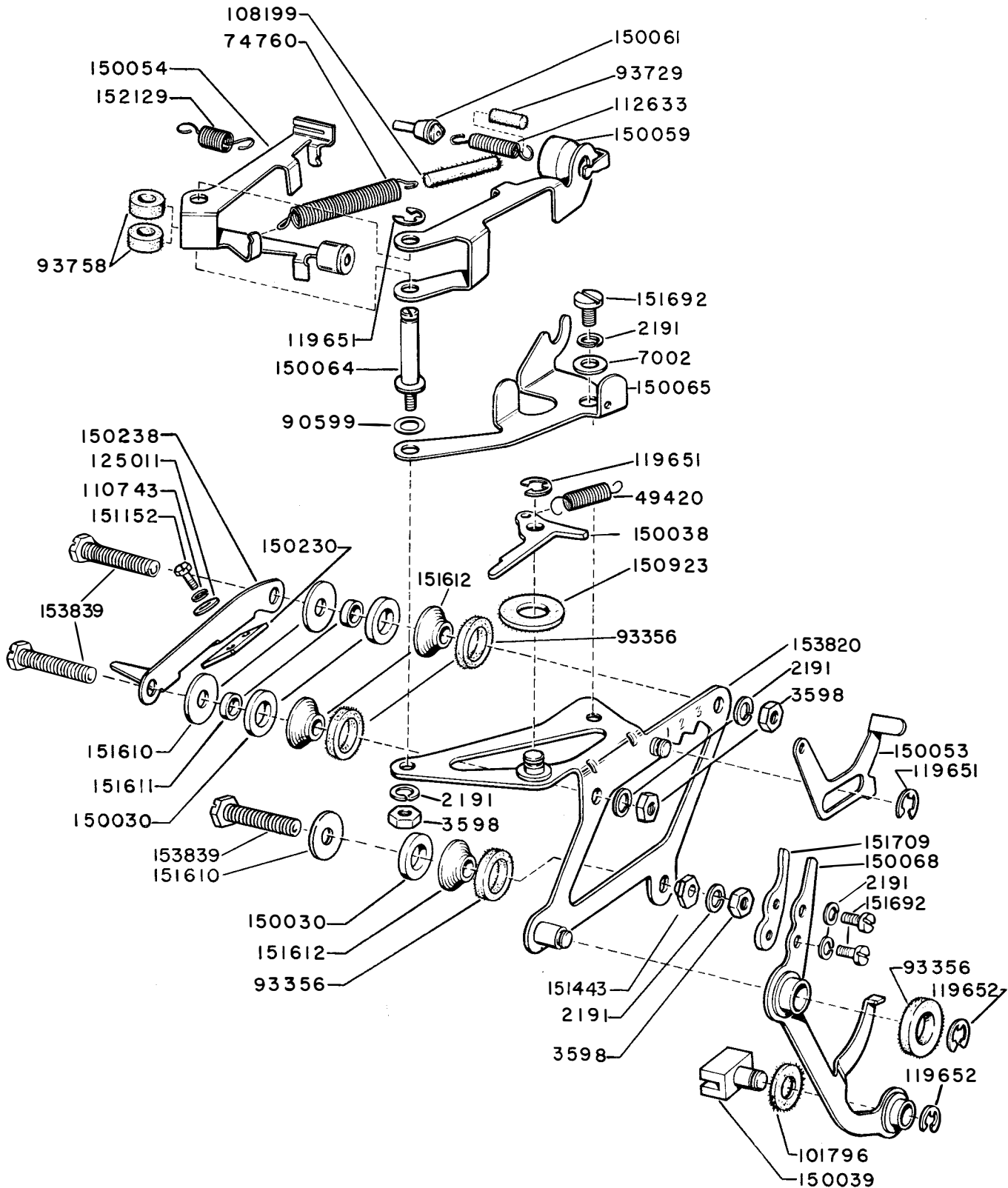


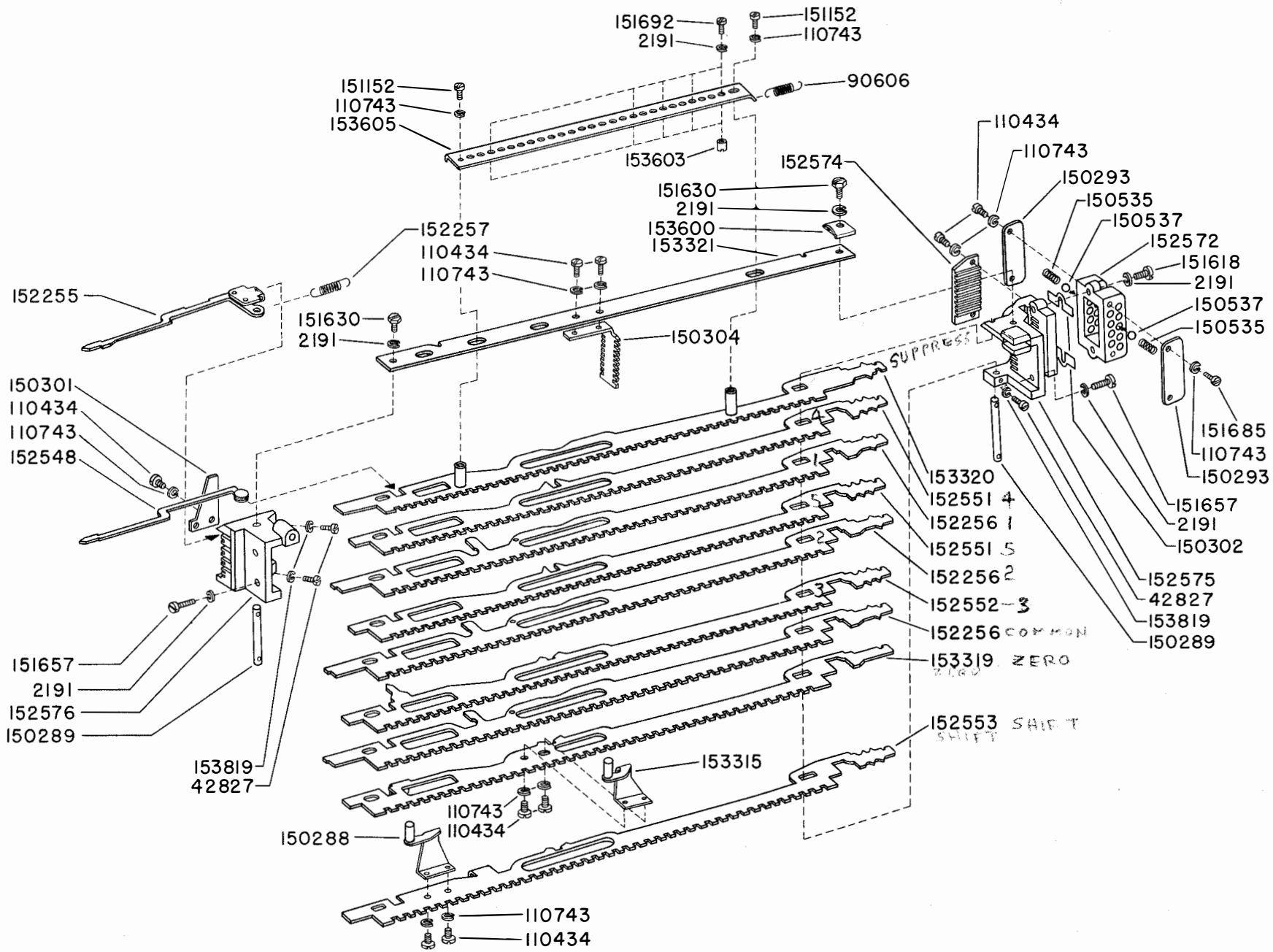
Figure 13. Typing Unit, Printing Carriage Mechanism



## NUMERICAL INDEX - FIGURE 13

Part Number	Description
2191	Washer, Lock
3598	Nut (6-40)
7002	Washer, Flat
49420	Spring, Operating Bail Latch
74760	Spring, Printing Hammer Operating Bail
90599	Shim
93356	Washer, Felt
93729	Wick, Felt
93758	Washer, Felt
101796	Washer, Felt
108199	Wick, Felt
110743	Washer, Lock
112633	Spring, Printing Hammer Plunger
119651	Ring, Retaining
119652	Ring, Retaining
125011	Washer, Flat
150030	Roller, Bearing
150038	Latch, Operating Bail
150039	Slide, Printing Arm
150053	Bracket, Spring Adjusting
150054	Bail, Printing Hammer Operating
150059	Bail, Printing Hammer
150060	Frame, Printing Carriage
150061	Head, Printing Hammer
150064	Stud
150065	Bracket, Stop
150068	Arm, Printing
150230	Plate, Clamp
150238	Bracket, Clamp
150923	Washer, Felt
151152	Screw (4-40 x 3/16)
151443	Eccentric
151610	Washer, Flat
151611	Bushing, Roller
151612	Collar, Spacing
151692	Screw (6-40 x 3/16)
151709	Arm, Secondary Printing
152129	Spring, Printing Hammer Yield
153839	Screw (6-40 x 5/8)

Figure 14. Typing Unit, Code Bar Mechanism



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## NUMERICAL INDEX - FIGURE 14

Part Number	Description
2191	Washer, Lock
42827	Screw (3-48 x 1/4)
90606	Spring, Operating Bracket
110434	Screw (4-40 x 1/4)
110743	Washer, Lock
150288	Bracket, Shift Code Bar
150289	Post
150293	Plate, Detent Ball Retaining
150301	Plate, Shift Bar Retaining
150302	Shim
150304	Bracket, Code Bar Guide
150535	Spring, Detent Ball
150537	Ball, Detent Bearing
151152	Screw (4-40 x 3/16)
151618	Screw (6-40 x 7/16)
151630	Screw (6-40 x 1/4)
151657	Screw (6-40 x 1/4)
151692	Screw (6-40 x 3/16)
152255	Bar, Code Bar Shift
152256	Bar, Code (1, 2 & Common)
152257	Spring, Code Bar Yield
152548	Bar, Code Bar Shift
152551	Bar, Code (4 & 5)
152552	Bar, Code (3)
152553	Bar, Code (Shift & Unshift)
152572	Bracket, Code Bar Detent
152574	Plate, Code Bar Retaining
152575	Bracket, Code Bar Guide
152576	Bracket, Code Bar Guide
153315	Bracket, Condition Code Bar Shift
153319	Bar, Code (Automatic CR and LF)
153320	Bar, Code (Suppression)
153321	Bracket, Tie
153600	Bracket, Spring
153603	Post, Operating Bracket
153605	Bracket, Suppression Code Bar Operating
153819	Washer, Lock

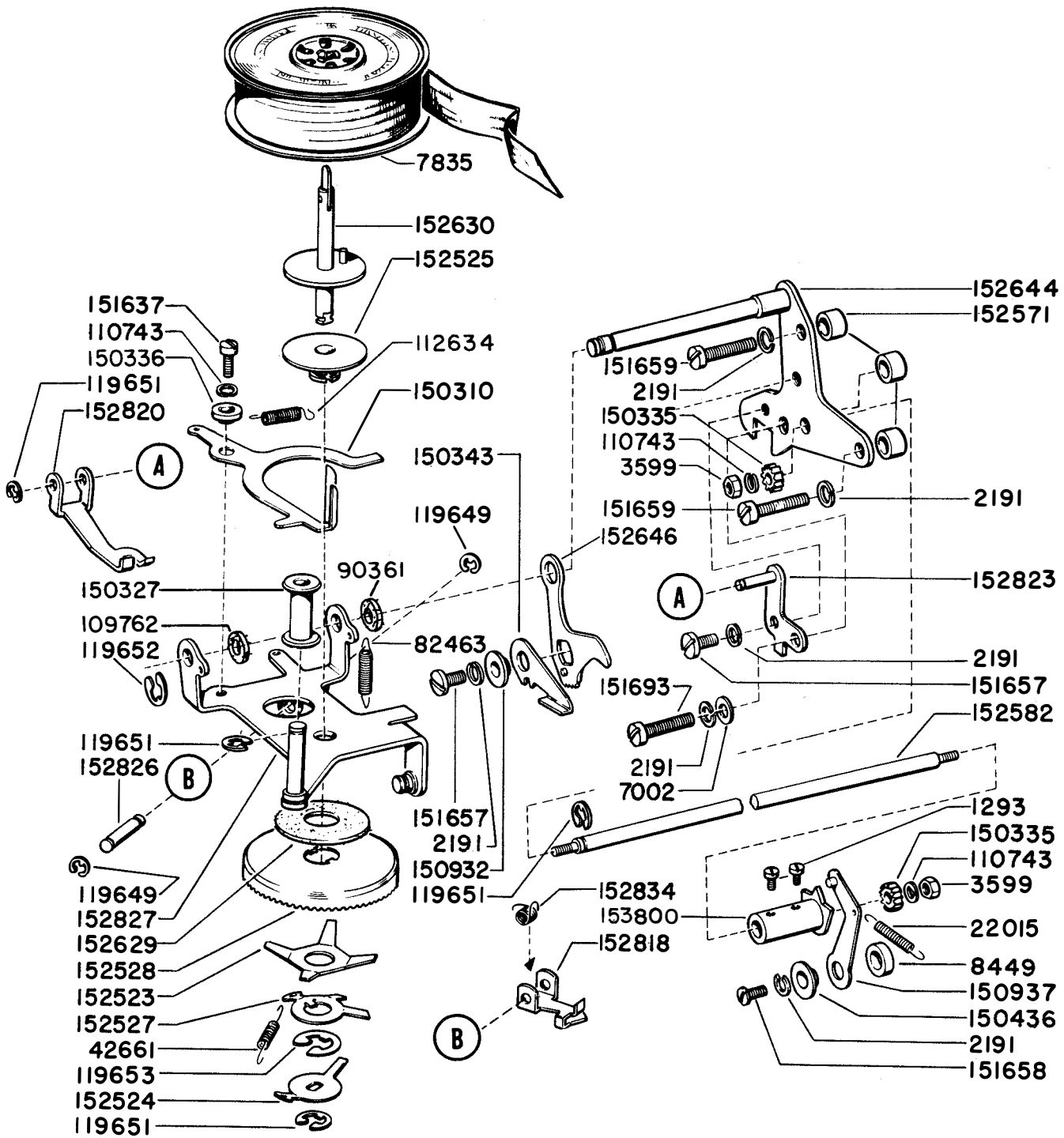


Figure 15. Typing Unit, Left Ribbon Feed Mechanism

## NUMERICAL INDEX - FIGURE 15

Part Number	Description
1293	Screw (6-40 x 1/8)
2191	Washer, Lock
3599	Nut (4-40)
7002	Washer, Flat
7835	Ribbon - Black
8449	Collar, Spacing
22015	Spring, Ribbon Reverse Detent Lever
42661	Spring, Ribbon Tension
82463	Spring, Ribbon Feed Lever
90361	Washer, Felt
109762	Washer, Felt
110743	Washer, Lock
112634	Spring, Ribbon Lever
119649	Ring, Retaining
119651	Ring, Retaining
119652	Ring, Retaining
119653	Ring, Retaining
150310	Lever, Left Ribbon
150327	Roller, Ribbon
150335	Gear, Ribbon Reverse Spur
150336	Bushing, Ribbon Lever
150343	Lever, Left Ribbon Reverse
150436	Bushing, Ribbon Reversing Detent
150932	Bushing, Ribbon Reverse Lever
150937	Lever, Ribbon Reverse Detent
151637	Screw (4-40 x 1/4)
151657	Screw (6-40 x 1/4)
151658	Screw (6-40 x 5/16)
151659	Screw (6-40 x 1/2)
151693	Screw (6-40 x 9/16)
152523	Spring, Ribbon Ratchet Wheel Friction
152524	Bracket, Ribbon Tension
152525	Hub
152527	Plate, Left Ribbon Tension
152528	Ratchet Wheel, Left Ribbon
152571	Spacer
152582	Shaft, Ribbon Reversing
152629	Washer, Friction
152630	Shaft, Ribbon Spool
152644	Bracket, Left Ribbon Feed Mounting
152646	Lever, Left Ribbon Reversing
152818	Lever, Left Detent
152820	Lever, Left Feed
152823	Bracket, Left Feed Lever
152826	Pin, Detent
152827	Bracket, Left Ribbon Spool
152834	Spring, Detent Lever Torsion
153800	Cam, Detent

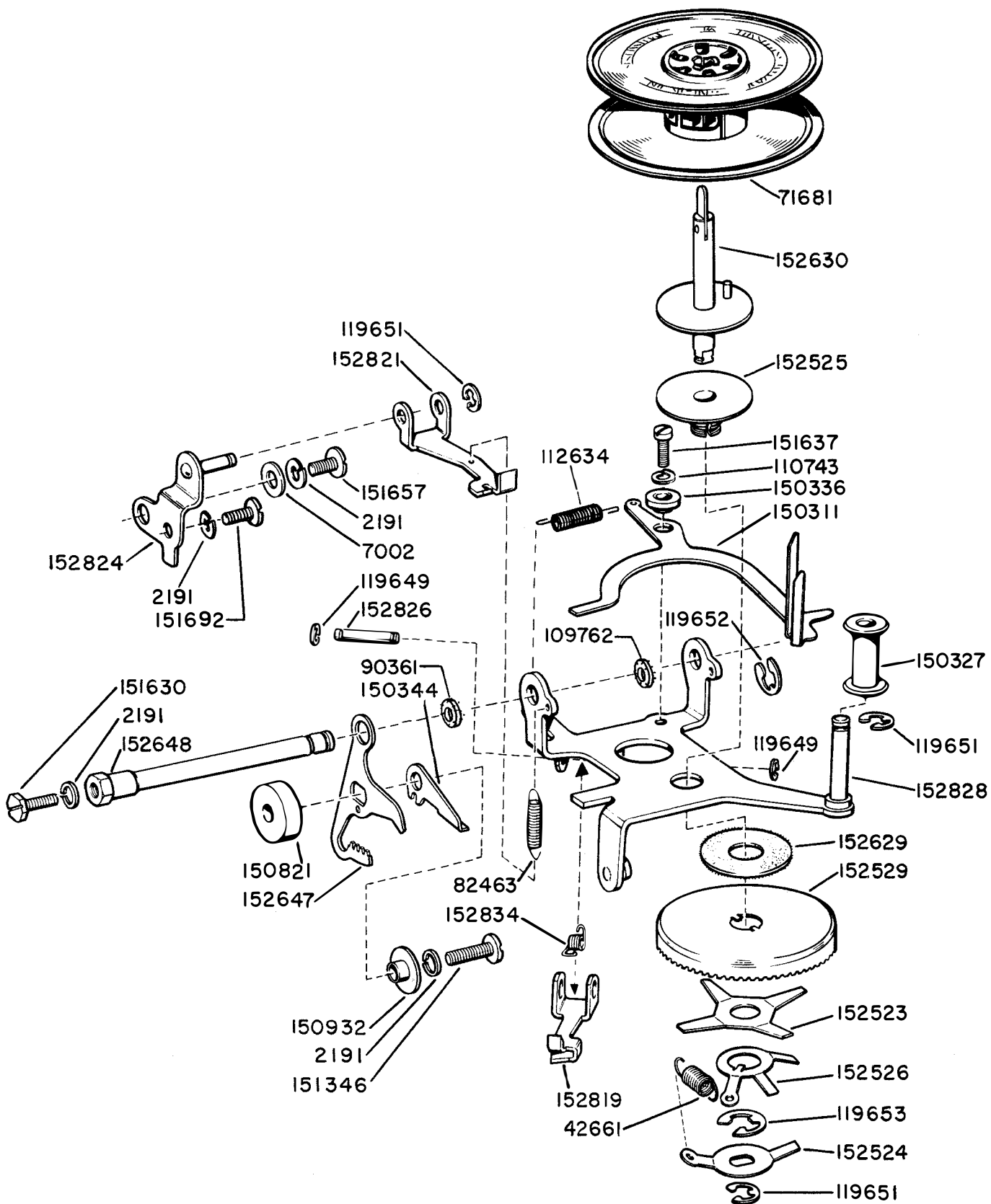
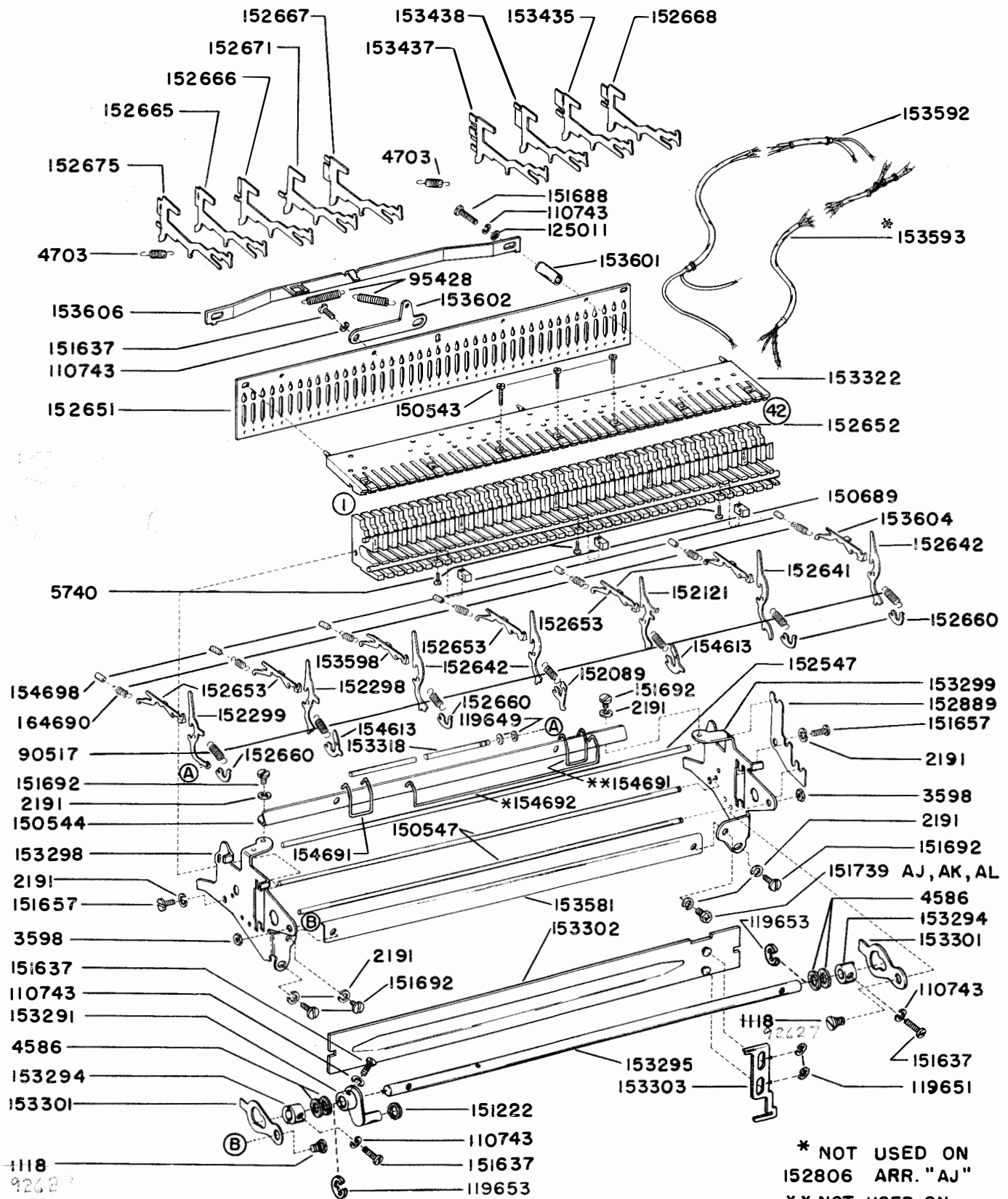


Figure 16. Typing Unit, Right Ribbon Feed Mechanism

## NUMERICAL INDEX - FIGURE 16

Part Number	Description
2191	Washer, Lock
7002	Washer, Flat
42661	Spring, Ribbon Tension
71681	Spool, Printing Ribbon
82463	Spring, Ribbon Feed Lever
90361	Washer, Felt
109762	Washer, Felt
110743	Washer, Lock
112634	Spring, Ribbon Lever
119649	Ring, Retaining
119651	Ring, Retaining
119652	Ring, Retaining
119653	Ring, Retaining
150311	Lever, Right Ribbon
150327	Roller, Ribbon
150336	Bushing, Ribbon Lever
150344	Lever, Right Ribbon Reverse
150821	Spacer
150932	Bushing, Ribbon Reverse Lever
151346	Screw (6-40 x 3/8)
151630	Screw (6-40 x 1/4)
151637	Screw (4-40 x 1/4)
151657	Screw (6-40 x 1/4)
151692	Screw (6-40 x 3/16)
152523	Spring, Ribbon Ratchet Wheel Friction
152524	Bracket, Ribbon Tension
152525	Hub
152526	Plate, Right Ribbon Tension
152529	Ratchet Wheel, Right Ribbon
152629	Washer, Friction
152630	Shaft, Ribbon Spool
152647	Lever, Right Ribbon Reversing
152648	Stud, Right Ribbon Feed Mounting
152819	Lever, Right Detent
152821	Lever, Right Feed
152824	Bracket, Right Feed Lever
152826	Pin, Detent
152828	Bracket, Right Ribbon Spool
152834	Spring, Detent Lever Torsion

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\* NOT USED ON 152806 ARR. "AJ"  
 \*\* NOT USED ON 152807 AND 152808 ARR. "AK" AND "AL".

SEE CHART ON PAGES 69 AND 70 FOR STUNT BOX ARRANGEMENTS.

Figure 17. Typing Unit, Stunt Box Mechanism



## NUMERICAL INDEX - FIGURE 17

Part Number	Description	Part Number	Description
1118	Screw, Shoulder (6-40)	153435	Bar, Function (SC LF)
2191	Washer, Lock	153437	Bar, Function (SC UC S)
3598	Nut (6-40)	153438	Bar, Function (SC LTR)
4586	Washer, Felt	153581	Handle, Rear
4703	Spring, Function Bar	153592	Cable, Contact Assembly
5740	Screw (2-56 x 1/4)	153593	Cable, Contact Assemblies
90517	Spring, Function Lever	153598	Pawl, Function
94693	Wick, Felt	153601	Bushing, Blocking Slide Spacing
95428	Spring, Shift Fork and Blocking Slide	153602	Plate, Shift Fork Spring Anchor
110743	Washer, Lock	153604	Pawl, Function
119649	Ring, Retaining	153606	Slide, Function Bar Blocking
119651	Ring, Retaining	154613	Latch, Function Lever
119653	Ring, Retaining	154690	Spring, Function Pawl
125011	Washer, Flat	154691	Clip, Function Pawl
150543	Screw (3-48 x 9/32)	154692	Clip, Function Pawl
150544	Handle, Top	154698	Wick, Felt
150547	Shaft, Stunt Box Guide		
150689	Block, Shaft Guide		
151222	Washer, Felt		
151637	Screw (4-40 x 1/4)		
151657	Screw (6-40 x 1/4)		
151688	Screw (4-40 x 5/8)		
151692	Screw (6-40 x 3/16)		
151739AJ	Screw, Identification (6-40)		
151739AK	Screw, Identification (6-40)		
151739AL	Screw, Identification (6-40)		
152089	Latch, Function Lever		
152121	Lever, Function		
152298	Lever, Function		
152299	Lever, Function		
152547	Shaft, Function Pawl Stop		
152641	Lever, Function		
152642	Lever, Function		
152651	Plate, Spring Guide		
152652	Bar, Guide		
152653	Pawl, Function		
152660	Plate, Spring		
152665	Bar, Function (LTR)		
152666	Bar, Function (FIG)		
152667	Bar, Function (CR)		
152668	Bar, Function (LF)		
152671	Bar, Function (CR LF)		
152675	Bar, Function (LC BL)		
152889	Plate, Shaft Retainer		
153291	Arm, Stripper Blade Driving		
153294	Cam, Stripper Blade Driving		
153295	Shaft, Stripper Blade Driving		
153298	Bracket, Right Mounting		
153299	Bracket, Left Mounting		
153301	Arm, Stripper Blade Cam		
153302	Blade, Stripper		
153303	Slide, Line Feed Stripper		
153318	Shaft, Latch Lever Release Bail		
153322	Guide, Function Lever		



## NUMERICAL INDEX - FIGURE 18

Part Number	Description
3599	Nut (4-40)
110743	Washer, Lock
125011	Washer, Flat
151689	Screw (4-40 x 3/4)
152733	Block, Contact
152734	Arm, Contact
152735	Terminal, Contact
152736	Spring, Contact Arm
152738	Arm, Contact
153596	Fork, Condition Code Shift
153608	Fork, Figures-Letters Shift
153609	Roller, Shift Lever Fork
153644	Stud, Shift Mechanism Mounting
153645	Plate, Shift Mechanism Guide
153646	Bushing, Shift Mechanism Spacing
153647	Plate, Shift Mechanism Spacing
153795	Slide, Shift Mechanism Function

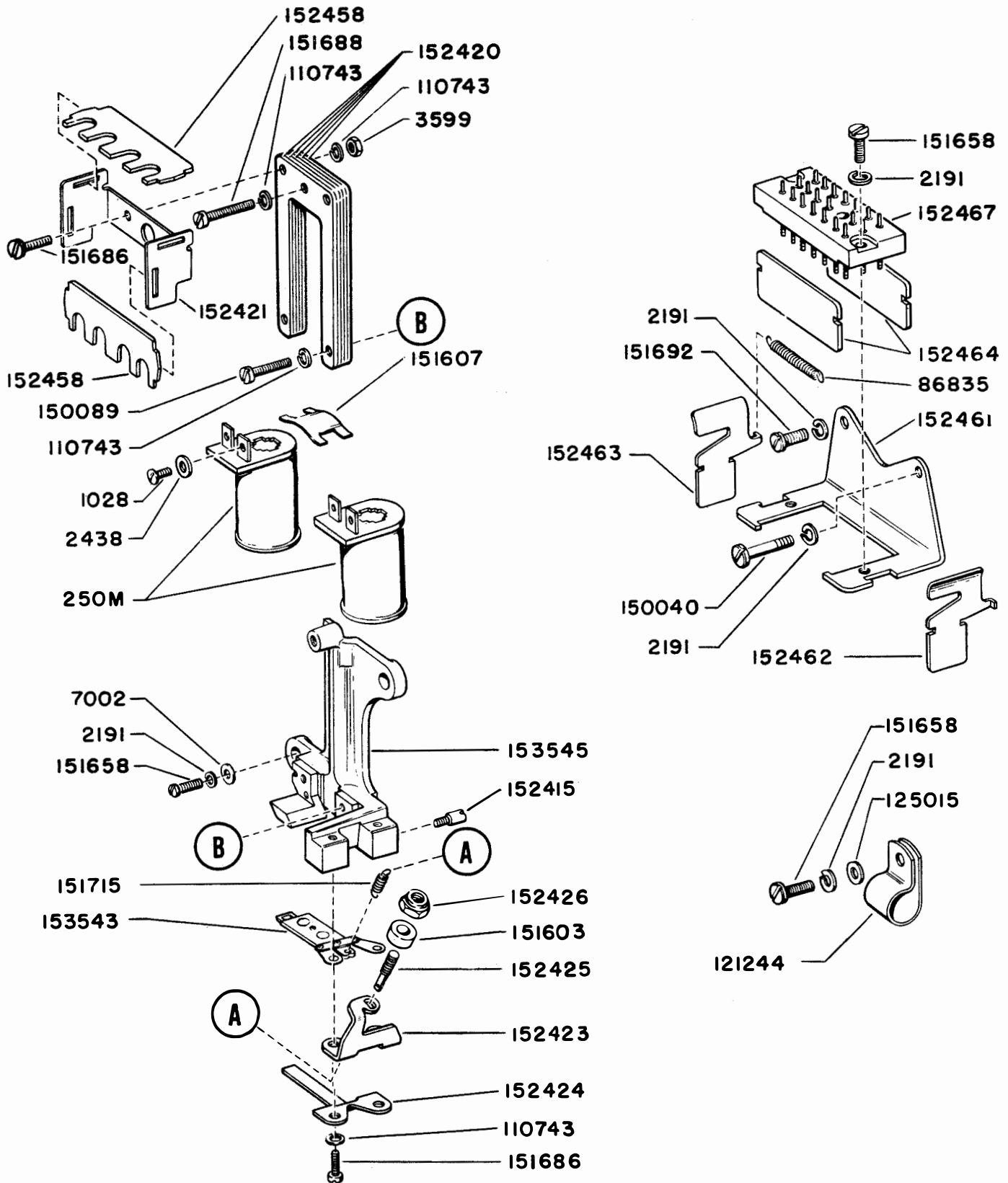
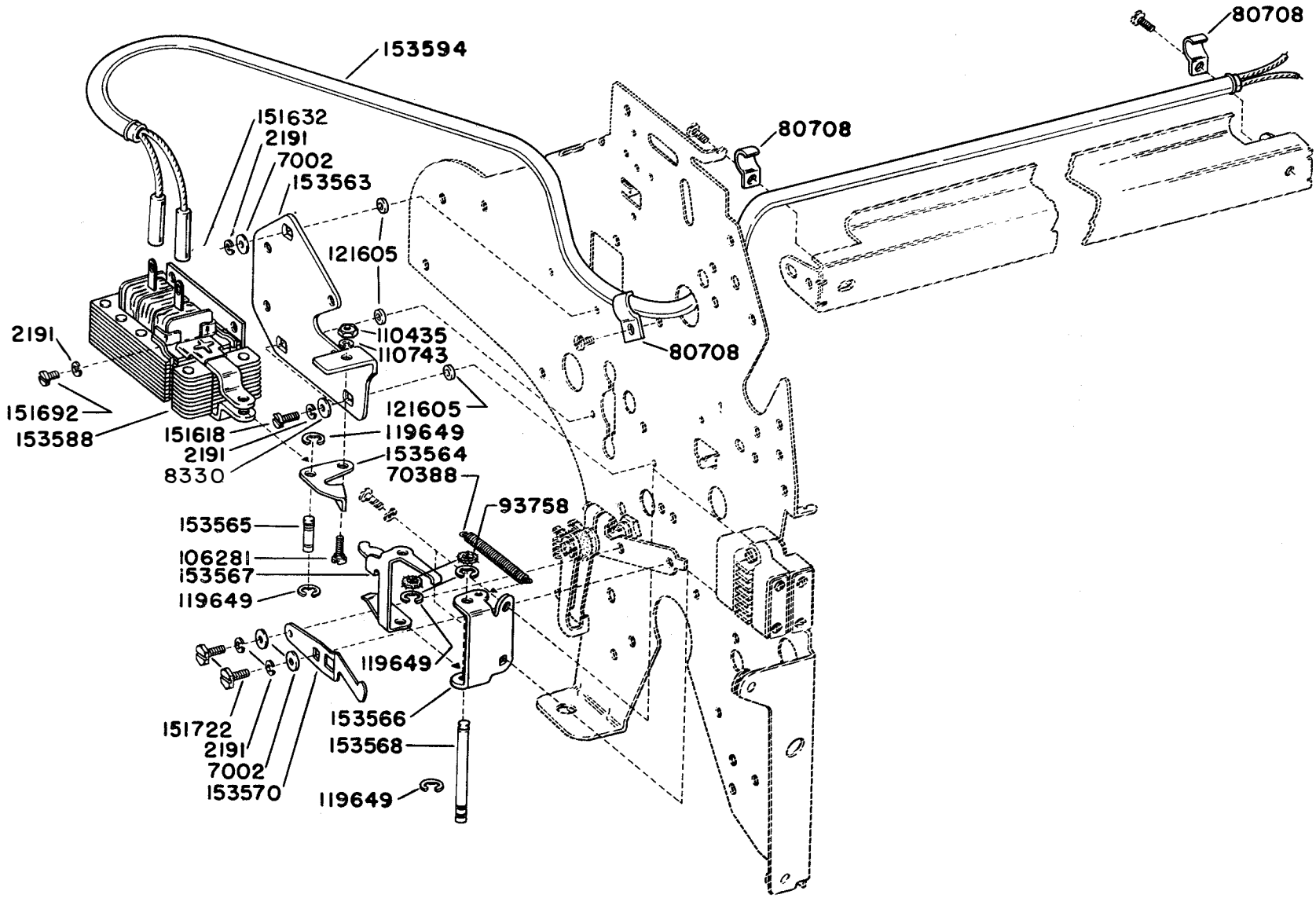


Figure 19. Typing Unit, Selector Magnet Mechanism

## NUMERICAL INDEX - FIGURE 19

Part Number	Description
250M	Coil, Selector Magnet
1028	Screw, (4-40 x 7/32)
2191	Washer, Lock
2438	Washer, Flat
3599	Nut (4-40)
7002	Washer, Flat
86835	Spring, Connector Latches
110743	Washer, Lock
121244	Clamp, Selector Magnet Cable
125015	Washer, Flat
150040	Screw (6-40 x 5/8)
150089	Screw (4-40 x 1/2)
151603	Collar, Spacing
151607	Retainer, Spring
151658	Screw (6-40 x 5/16)
151686	Screw (4-40 x 3/8)
151688	Screw (4-40 x 5/8)
151692	Screw (6-40 x 3/16)
151715	Spring, Armature
152415	Stud
152420	Lamination
152421	Bracket, Shield
152423	Bracket
152424	Plate, Stop
152425	Post, Armature Spring
152426	Nut, Adjusting (6-40)
152458	Shield, Terminal
152461	Bracket, Connector Mounting
152462	Latch, Right
152463	Latch, Left
152464	Insulator, Connector
152467	Connector, Printer
153543	Armature, Selector Magnet
153545	Bracket, Selector Magnet

Figure 20. Typing Unit, Off-Line Stunt/Shift Mechanism

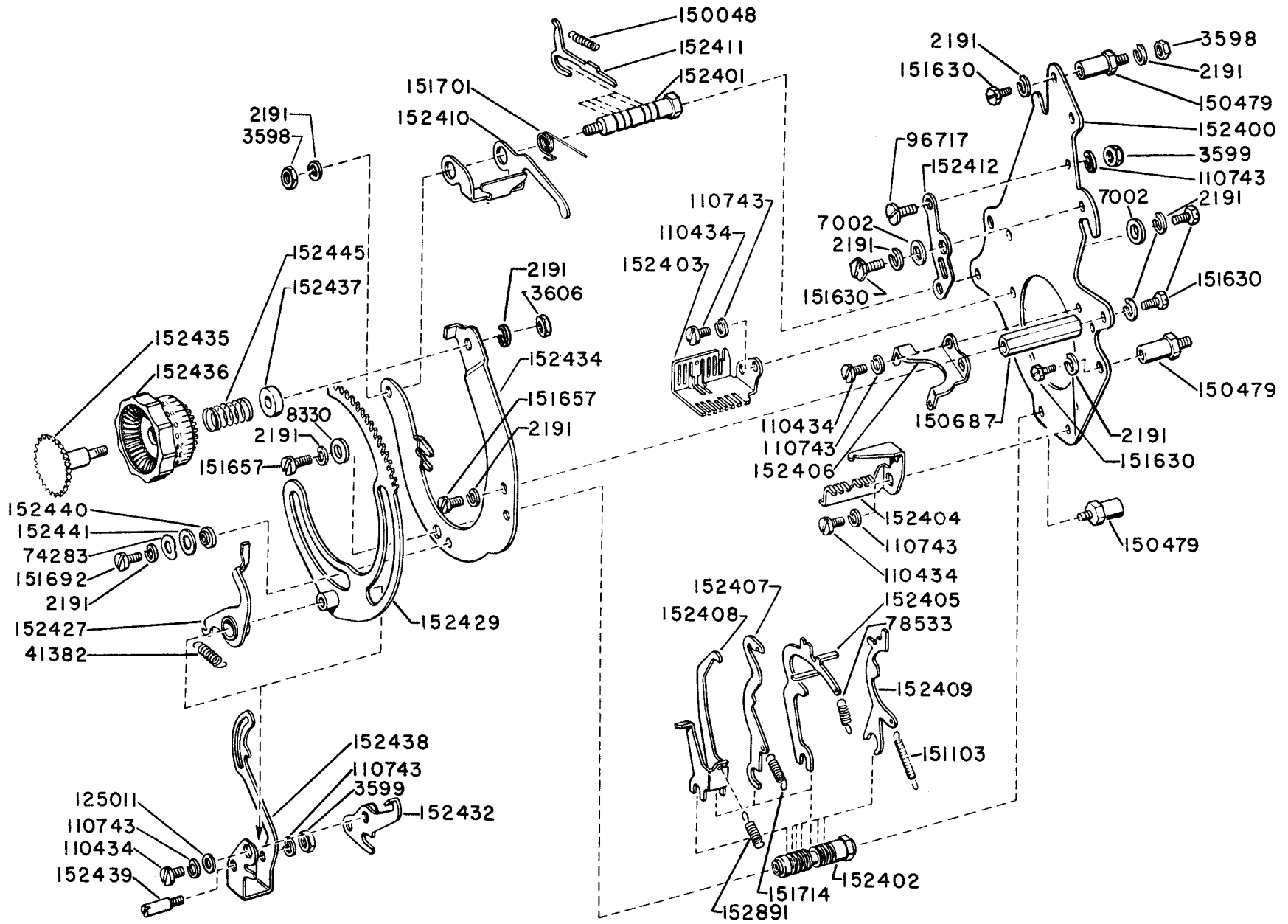


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## NUMERICAL INDEX - FIGURE 20

Part Number	Description
2191	Washer, Lock
7002	Washer, Flat
8330	Washer, Flat
70388	Spring, Solenoid
80708	Clamp, Cable
93758	Washer, Felt
106281	Screw, Shoulder (6-40)
110435	Nut (4-40)
110743	Washer, Lock
119649	Ring, Retaining
121605	Spacer, Solenoid Bracket
151618	Screw (6-40 x 7/16)
151632	Screw (6-40 x 3/8)
151692	Screw (6-40 x 3/16)
151722	Screw (6-40 x 3/16)
153563	Bracket, Solenoid Mounting
153564	Bell Crank, Blocking Bail
153565	Shaft, Bell Crank
153566	Bracket, Blocking Bail
153567	Bail, Blocking
153568	Shaft, Blocking Bail Pivot
153570	Arm, Type Box Clutch Suppression
153588	Solenoid, Off Line Stunt Shift
153594	Cable, Off Line Stunt Shift

Figure 21. Typing Unit, Selector Mechanism



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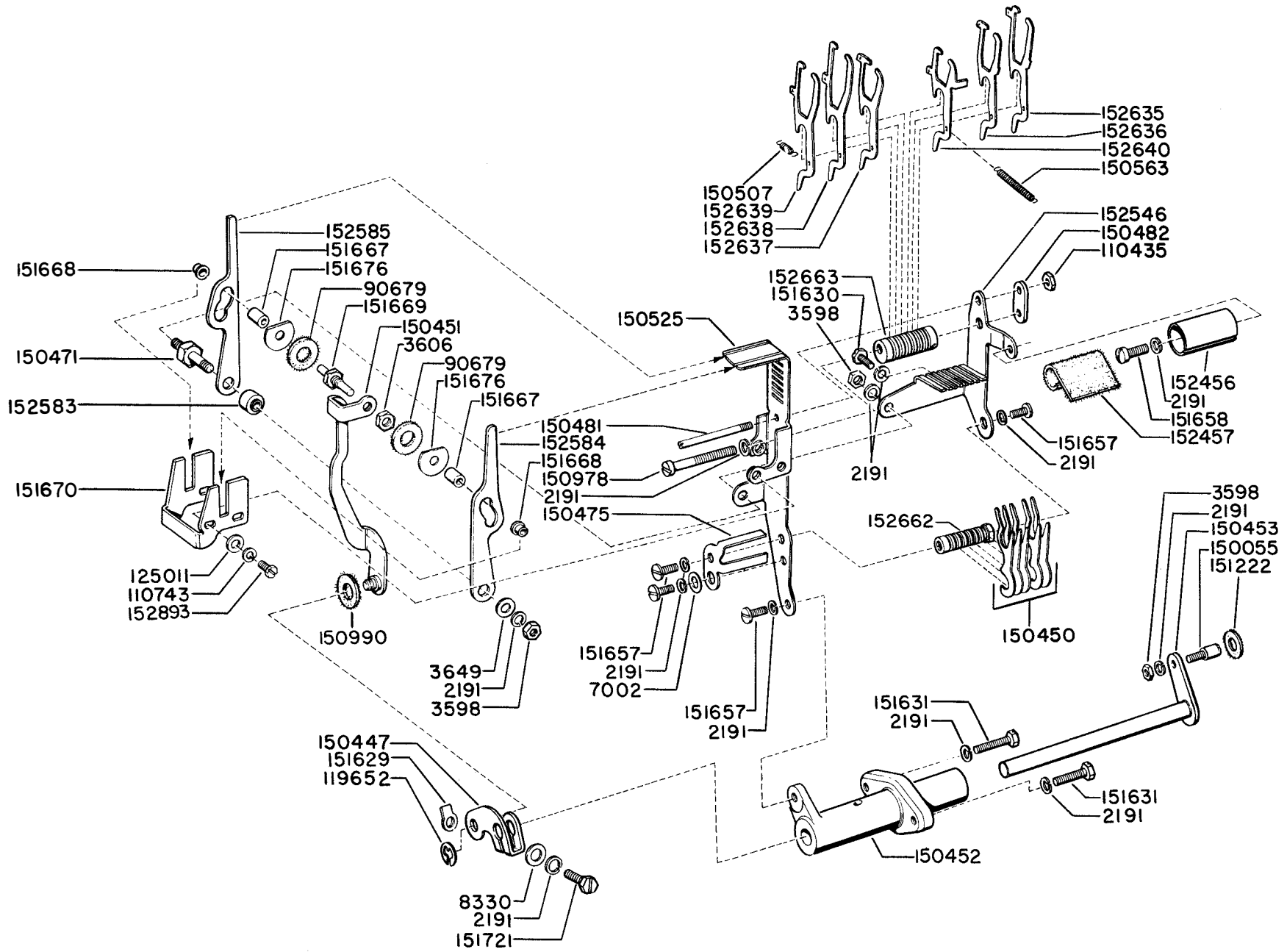
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## NUMERICAL INDEX - FIGURE 21

Part Number	Description
2191	Washer, Lock
3598	Nut (6-40)
3599	Nut (4-40)
3606	Nut (6-40)
7002	Washer, Flat
8330	Washer, Flat
41382	Spring, Latch Lever
74283	Washer, Spring
78533	Spring, Marking Lock Lever
96717	Screw, Shoulder (4-40)
110434	Screw (4-40 x 1/4)
110743	Washer, Lock
125011	Washer, Flat
150048	Spring, Push Lever
150479	Stud, Mounting
150687	Post, Mounting
151103	Spring, Selector Lever
151630	Screw (6-40 x 1/4)
151657	Screw (6-40 x 1/4)
151692	Screw (6-40 x 3/16)
151701	Spring, Reset Bail Torsion
151714	Spring, Spacing Lock Lever
152400	Plate, Selector Mounting
152401	Guide, Push Lever
152402	Guide, Lever
152403	Bracket, Push Lever Guide
152404	Bracket, Transfer Lever Spring Anchor
152405	Lever, Marking Lock
152406	Bracket, Marking Lock Lever Guide
152407	Lever, Spacing Lock
152408	Lever, Start
152409	Lever, Selector
152410	Bail, Reset
152411	Lever, Push
152412	Link, Adjusting
152427	Lever, Latch
152429	Rack, Sector
152432	Arm, Clutch Stop
152434	Plate, Range Finder
152435	Stud, Range Scale
152436	Knob, Range Scale
152437	Spacer
152438	Bail, Stop Arm
152439	Shaft
152440	Bushing, Sector
152441	Washer, Flat
152445	Spring, Range Scale Knob
152891	Spring, Start Lever

Figure 22. Typing Unit, Code Bar Positioning Mechanism



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## NUMERICAL INDEX - FIGURE 22

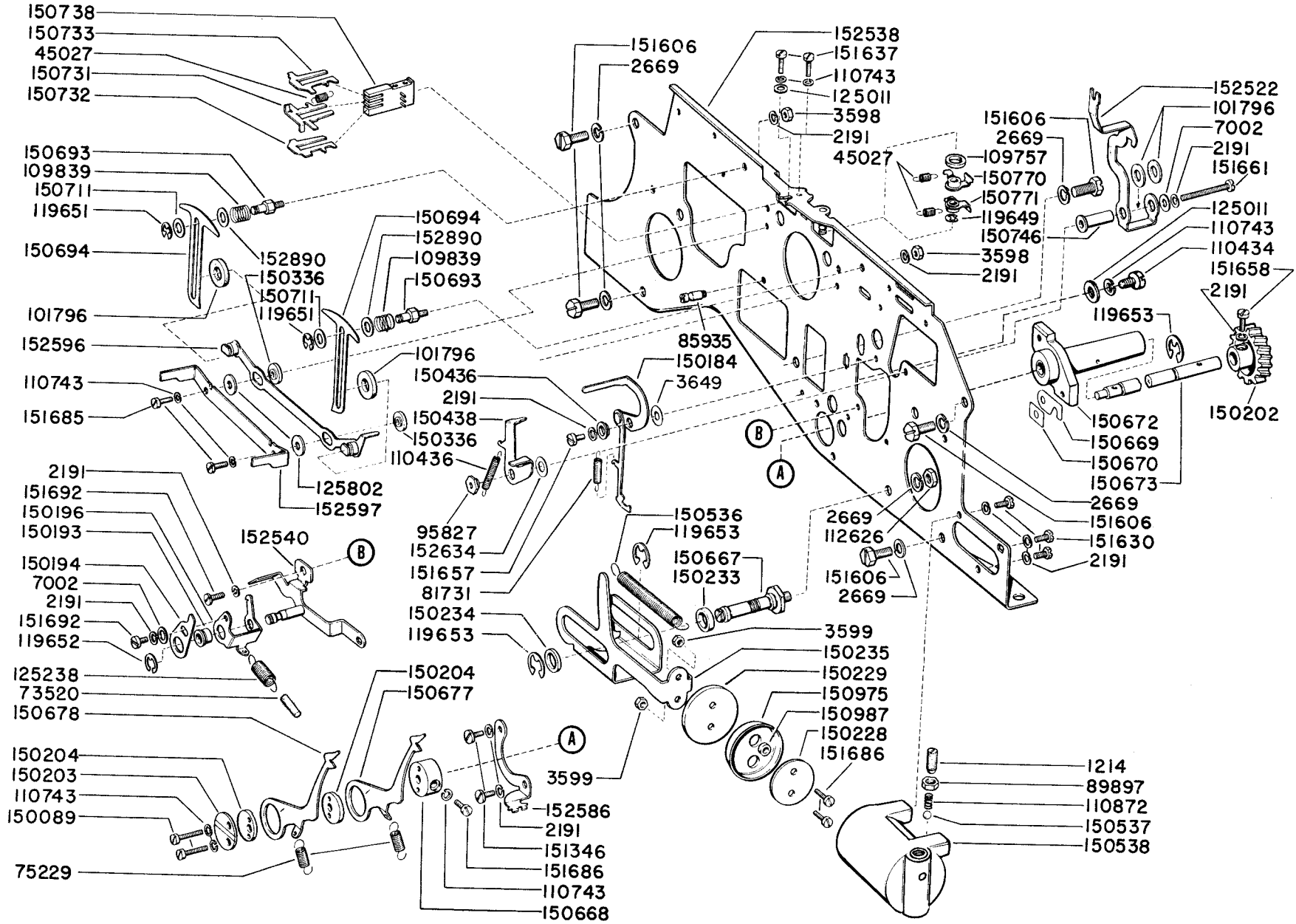
Part Number	Description
2191	Washer, Lock
3598	Nut (6-40)
3606	Nut (6-40)
3649	Washer, Flat
7002	Washer, Flat
8330	Washer, Flat
90679	Washer, Felt
110435	Nut (4-40)
110743	Washer, Lock
119652	Ring, Retaining
125011	Washer, Flat
150055	Stud
150447	Arm, Shift Lever Drive
150450	Arm, Intermediate
150451	Link, Shift Lever
150452	Bearing, Drive Shaft
150453	Shaft, Shift Lever Drive
150471	Stud, Shift Lever Mounting
150475	Bracket, Backstop
150481	Shaft, Transfer Lever Retaining
150482	Plate
150507	Spring, Transfer Lever
150525	Bracket, Shift Lever Guide
150563	Spring, Common Transfer Lever
150978	Screw, Bearing Clamp (6-40)
150990	Washer, Felt
151222	Washer, Felt
151629	Nut (6-40)
151630	Screw (6-40 x 1/4)
151631	Screw (6-40 x 5/16)
151657	Screw (6-40 x 1/4)
151658	Screw (6-40 x 5/16)
151667	Roller, Shift Lever
151668	Roller, Shift Lever Link
151669	Stud
151670	Bracket, Shift Lever Link Guide
151676	Shim
151721	Screw (6-40 x 3/4)
152456	Holder, Wick
152457	Wick, Felt
152546	Bracket, Intermediate Arm Guide
152583	Bearing, Sleeve
152584	Lever, Shift
152585	Lever, Shift
152635	Lever, Transfer (1)
152636	Lever, Transfer (2)
152637	Lever, Transfer (3)
152638	Lever, Transfer (4)
152639	Lever, Transfer (5)
152640	Lever, Transfer (C)
152662	Shaft, Intermediate Arm Guide
152663	Guide, Transfer Lever
152893	Screw (4-40 x 1/4)



## NUMERICAL INDEX - FIGURE 23

Part Number	Description
2191	Washer, Lock
3598	Nut (6-40)
3599	Nut (4-40)
7002	Washer, Flat
33828	Spring, Pulley Bail
86835	Spring, Lock Lever
93356	Washer, Felt
105028	Wick, Felt
108199	Wick, Felt
109757	Washer, Felt
110743	Washer, Lock
119648	Ring, Retaining
119651	Ring, Retaining
119652	Ring, Retaining
119653	Ring, Retaining
150175	Stud, Pulley Bail Pivot
150208	Bail, Left Breaker Slide
150215	Block, Lock Lever Guide
150218	Bushing
150232	Retainer, Felt
150245	Bracket, Main Bail Drive
150247	Link, Drive
150263	Bail, Main
150558	Spring, Left Breaker Slide Torsion
150559	Spring, Right Breaker Slide Torsion
150598	Track, Printing
150748	Stud, Drive Link Pivot
150752	Stud
150753	Roller
150754	Roller, Lock Lever
150755	Stud, Lock Lever Roller
150757	Arm, Locking
150758	Pulley, Draw Wire Rope Tensioning
150776	Lever, Horizontal Positioning Lock
150777	Bail, Right Breaker Slide
150923	Washer, Felt
151625	Strip, Connecting
151630	Screw (6-40 x 1/4)
151658	Screw (6-40 x 5/16)
151700	Screw, Pulley Mounting (6-40)
152536	Bail, Pulley
152598	Stud, Left Bearing
152599	Stud, Right Bearing
153331	Linkage, Left Horizontal Positioning
153332	Linkage, Right Horizontal Positioning
153335	Plate, Retaining
153337	Bushing, Shift Slide Linkage - Spring
153340	Spring, Left Horizontal Positioning Linkage
153341	Spring, Right Horizontal Positioning Linkage

Figure 24. Typing Unit, Front Plate Mechanism

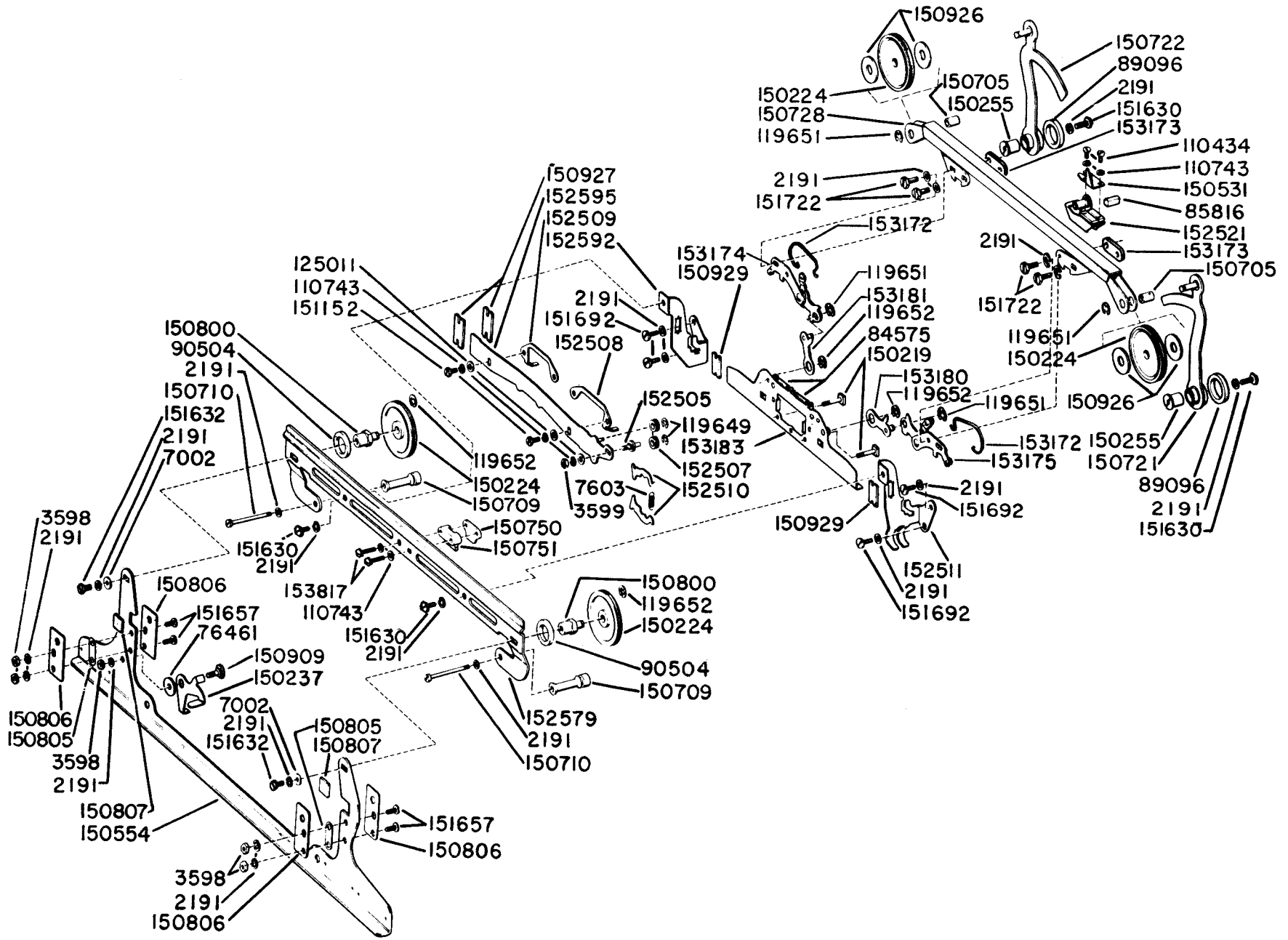


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## NUMERICAL INDEX - FIGURE 24

Part Number	Description	Part Number	Description
1214	Screw, Set (10-32)	150677	Pawl, Rear Spacing Feed
2191	Washer, Lock	150678	Pawl, Front Spacing Feed
2669	Washer, Lock	150693	Stud, Breaker Slide
3598	Nut (6-40)	150694	Slide, Shift Link Breaker
3599	Nut (4-40)	150711	Washer, Flat
3649	Washer, Flat	150731	Slide, Common Horizontal Motion Stop
7002	Washer, Flat	150732	Slide, Lower Horizontal Motion Stop
45027	Spring, Horizontal Stop Slide	150733	Slide, Upper Horizontal Motion Stop
73520	Wick, Felt	150738	Guide, Horizontal Motion Stop Slide
75229	Spring, Spacing Feed Pawl	150746	Bushing, Shift Lever
81731	Spring, Feed Pawl Release Link	150770	Crank, Lower Code Bar Bell
85935	Post, Spring	150771	Crank, Upper Code Bar Bell
89897	Nut (10-32)	150975	Cup, Dashpot Valve
95827	Bushing, Carriage Return Bell Crank	150987	Collar, Dashpot Valve Cup
101796	Washer, Felt	151346	Screw (6-40 x 3/8)
109757	Washer, Felt	151606	Screw (10-32 x 1/4)
109839	Spring, Breaker Slide Torsion	151630	Screw (6-40 x 1/4)
110434	Screw (4-40 x 1/4)	151637	Screw (4-40 x 1/4)
110436	Spring, Carriage Return Bell Crank	151657	Screw (6-40 x 1/4)
110743	Washer, Lock	151658	Screw (6-40 x 5/16)
110872	Spring, Dashpot Ball Valve Torsion	151661	Screw (6-40 x 1)
112626	Nut (10-32)	151685	Screw (4-40 x 5/16)
119649	Ring, Retaining	151686	Screw (4-40 x 3/3)
119651	Ring, Retaining	151692	Screw (6-40 x 3/16)
119652	Ring, Retaining	152522	Lever, Reversing Slide Shift
119653	Ring, Retaining	152538	Plate, Front
125011	Washer, Flat	152540	Bracket, Latch Bail
125238	Spring, Carriage Return Latch Bail	152586	Bracket, Spacing Feed Pawl Spring
125802	Washer, Flat	152596	Slide, Letters-Figures Shift
150089	Screw (4-40 x 1/2)	152597	Bail, Stop
150184	Link, Feed Pawl Release	152634	Washer, Flat
150193	Hub, Latch Bail	152890	Washer, Flat
150194	Plate, Latch Bail		
150196	Bail, Carriage Return Latch		
150202	Gear, Spacing Shaft		
150203	Washer, Retaining		
150204	Cam, Spacing Eccentric		
150228	Retainer, Dashpot Piston and Cup		
150229	Piston, Dashpot		
150233	Roller, Slide Transfer Rear		
150234	Roller, Slide Transfer Front		
150235	Slide, Transfer		
150336	Bushing, Shift Slide		
150436	Bushing, Release Link		
150438	Crank, Automatic Carriage Return Bell		
150536	Spring, Transfer Slide		
150537	Ball, Dashpot Valve Bearing		
150538	Cylinder, Dashpot		
150667	Stud, Transfer Slide		
150668	Collar, Spacing		
150669	Shim, Spacing Gear Clearance		
150670	Shim, Spacing Gear Clearance		
150672	Bearing, Spacing Shaft		
150673	Shaft, Spacing		

Figure 25. Typing Unit, Front Plate Mechanism



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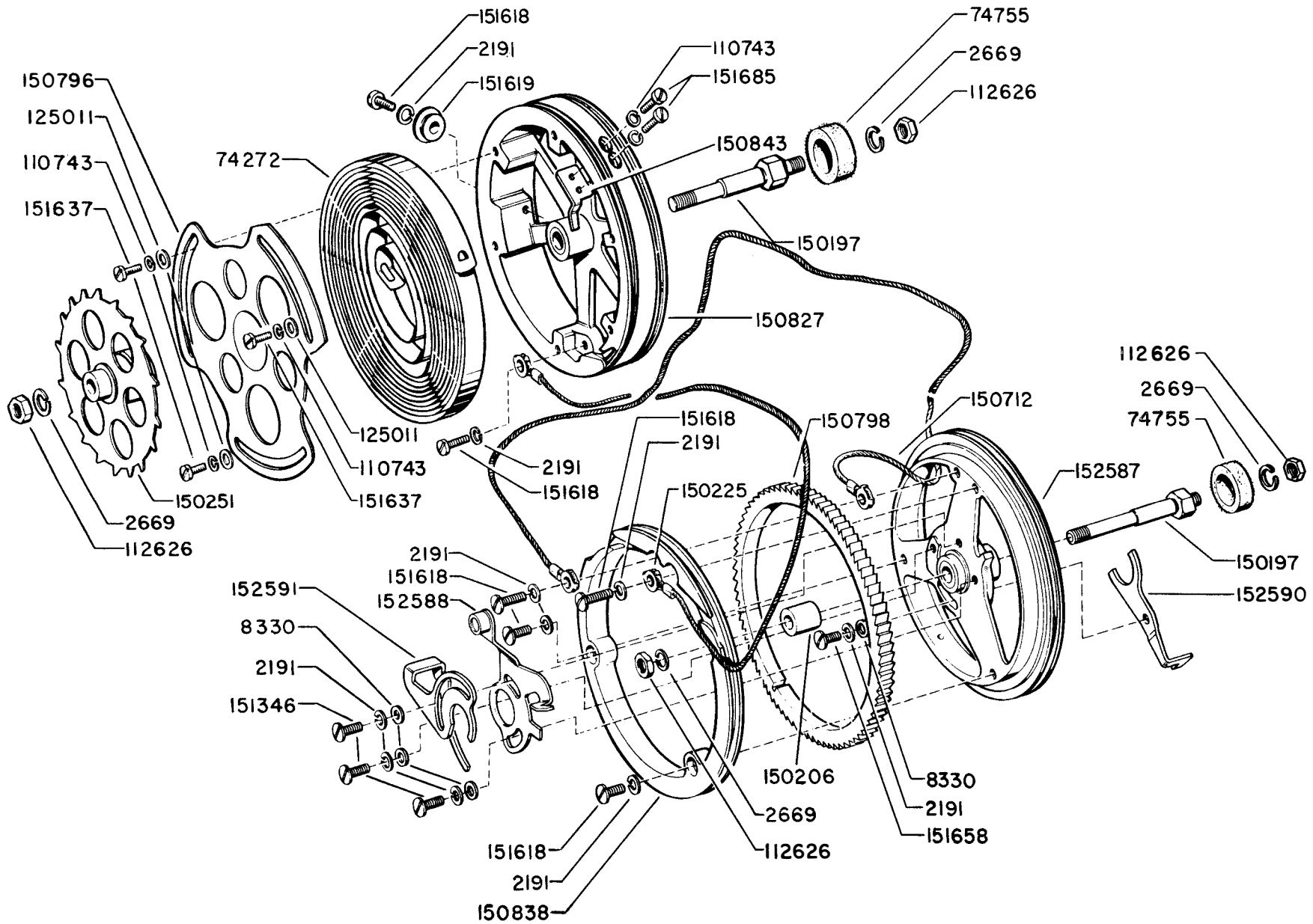
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## NUMERICAL INDEX - FIGURE 25

Part Number	Description	Part Number	Description
2191	Washer, Lock	153173	Plate, Clamp
3598	Nut (6-40)	153174	Link, Oscillating Rail Left Shift
3599	Nut (4-40)	153175	Link, Oscillating Rail Right Shift
7002	Washer, Flat	153180	Link, Shift Slide Right Shift
7603	Spring, Reversing Slide Detent	153181	Link, Shift Slide Left Shift
76461	Washer, Flat	153183	Slide, Oscillating Rail Shift
84575	Spring, Decelerating Slide Bell Crank	153817	Screw (4-40 x 3/8)
85816	Wick, Felt		
89096	Washer, Felt		
90504	Washer, Felt		
110434	Screw (4-40 x 1/4)		
110743	Washer, Lock		
119649	Ring, Retaining		
119651	Ring, Retaining		
119652	Ring, Retaining		
125011	Washer, Flat		
150219	Screw (4-40 x 1/2)		
150224	Pulley, Draw Wire Rope		
150237	Lever, Escapement		
150255	Bushing, Oscillating Guide Arm		
150531	Plate, Clamp		
150554	Plate, Pulley Support		
150705	Bushing, Oscillating Rail Pulley		
150709	Spacer, Printing Carriage Track		
150710	Screw (6-40 x 1-1/4)		
150721	Arm, Right Oscillating Rail Guide		
150722	Arm, Left Oscillating Rail Guide		
150728	Rail, Oscillating		
150750	Plate, Lock Lever Retaining		
150751	Block, Lock Lever Guide		
150800	Stud, Pulley Bearing		
150805	Shim, Guide Plate Spacing		
150806	Plate, Printing Track Guide		
150807	Retainer, Felt		
150909	Screw, Shoulder (6-40)		
150926	Washer, Felt		
150927	Retainer, Felt		
150929	Retainer, Felt		
151152	Screw (4-40 x 3/16)		
151630	Screw (6-40 x 1/4)		
151632	Screw (6-40 x 3/8)		
151657	Screw (6-40 x 1/4)		
151692	Screw (6-40 x 3/16)		
151722	Screw (6-40 x 3/16)		
152505	Stud, Reversing Slide Adjusting		
152507	Roller, Detent		
152508	Bracket, Right Reversing Slide		
152509	Bracket, Left Reversing Slide		
152510	Lever, Detent		
152511	Guide, Right Shift Slide		
152521	Slide, Oscillating Rail		
152579	Track, Printing Carriage		
152592	Guide, Left Shift Slide		
152595	Slide, Horizontal Motion Reversing		
153172	Spring, Shift Linkage		

Figure 26. Typing Unit, Spring Drum Mechanism



## NUMERICAL INDEX - FIGURE 26

Part Number	Description
2191	Washer, Lock
2669	Washer, Lock
8330	Washer, Flat
74272	Spring, Carriage Return
74755	Washer, Felt
110743	Washer, Lock
112626	Nut (10-32)
125011	Washer, Flat
150197	Stud, Spring and Spacing Drum
150206	Sleeve, Spacing
150225	Rope, Lower Draw Wire
150251	Wheel, Spring Drum Ratchet
150712	Rope, Upper Draw Wire
150796	Disk, Margin Indicator Cam
150798	Wheel, Spacing Drum Ratchet
150827	Drum Spring
150838	Ring, Ratchet Wheel Retaining
150843	Plate, Spring Hook
151346	Screw (6-40 x 3/8)
151618	Screw (6-40 x 7/16)
151619	Bushing
151637	Screw (4-40 x 1/4)
151658	Screw (6-40 x 5/16)
151685	Screw (4-40 x 5/16)
152587	Drum, Spacing
152588	Arm, Stop
152590	Lever, Spacing Cutout
152591	Arm, Automatic Carriage Return

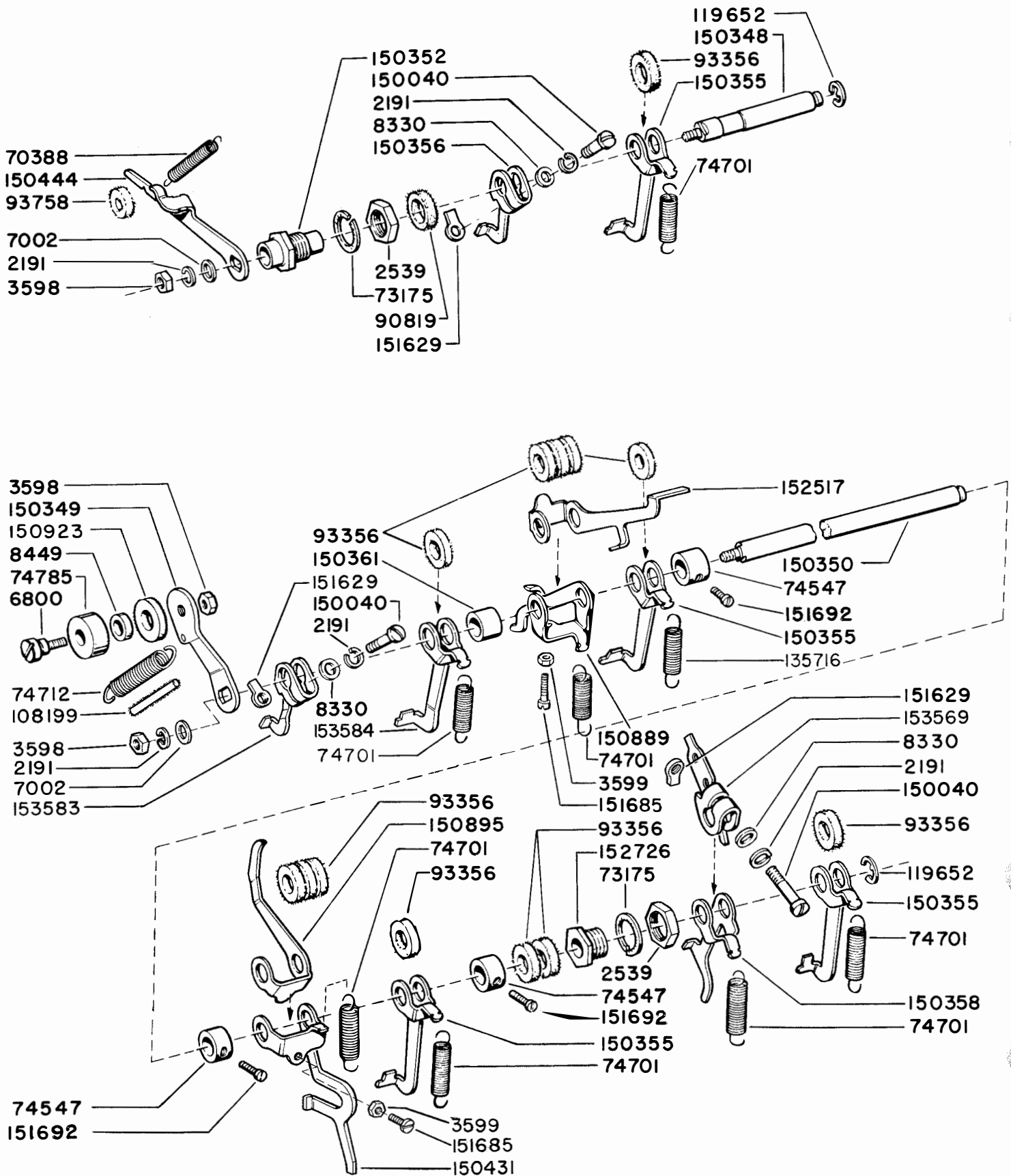
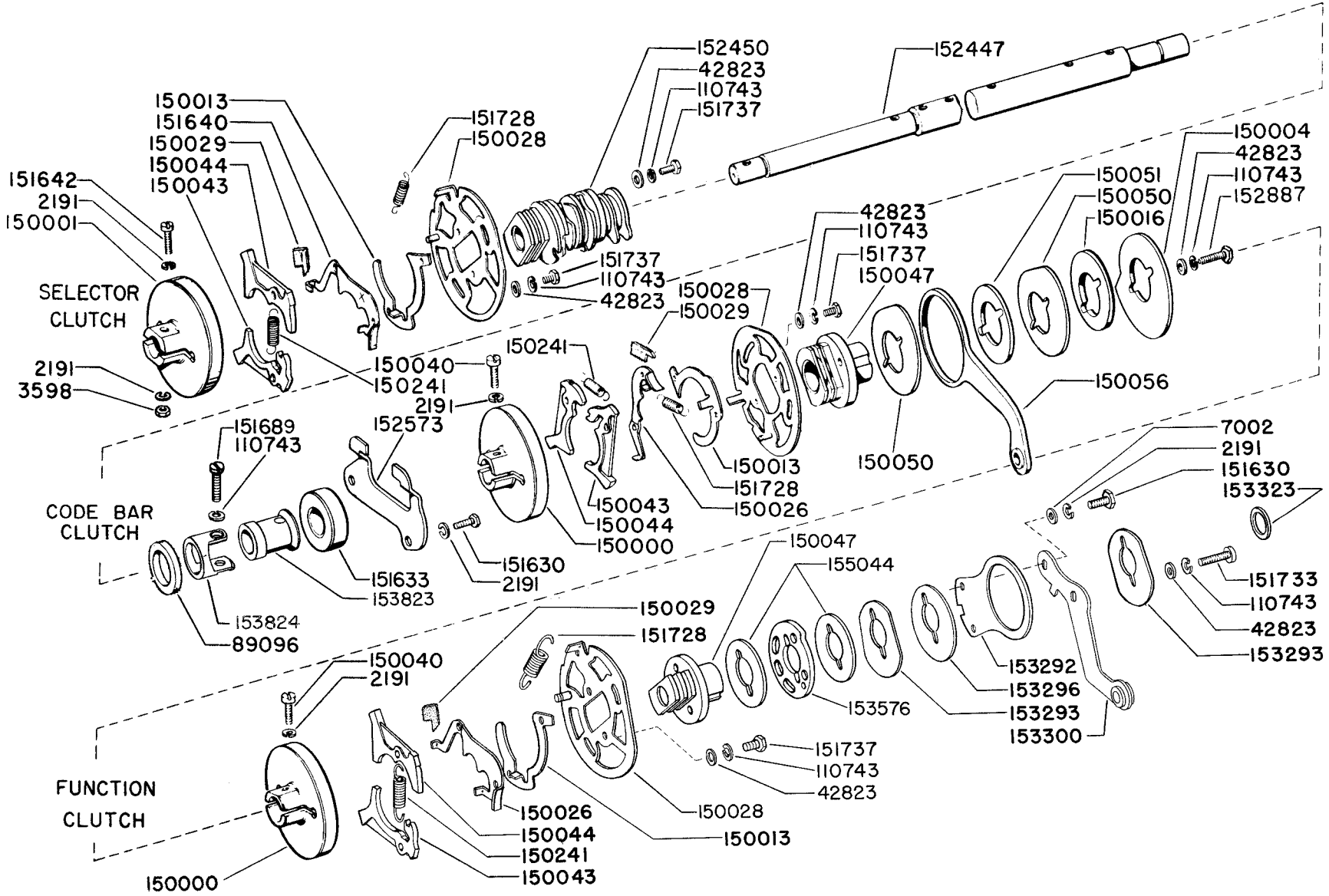


Figure 27. Typing Unit, Trip Shaft Mechanism

## NUMERICAL INDEX - FIGURE 27

Part Number	Description
2191	Washer, Lock
2539	Nut (3/8 - 32)
3598	Nut (6-40)
3599	Nut (4-40)
6800	Screw, Shoulder (6-40)
7002	Washer, Flat
8330	Washer, Flat
8449	Collar, Spacing
70388	Spring, Trip Shaft Lever
73175	Washer, Lock
74547	Collar, Set
74701	Spring, Trip and Latch Lever
74712	Spring, Code Bar Clutch Cam Follower
74785	Detent, Cam Roller
90819	Washer, Felt
93356	Washer, Felt
93758	Washer, Felt
108199	Wick, Felt
119652	Ring, Retaining
135716	Spring, Function Clutch Latch Lever
150040	Screw (6-40 x 5/8)
150348	Shaft, Trip
150349	Arm, Cam Follower
150350	Shaft, Trip
150352	Bushing, Trip Shaft
150355	Lever, Latch
150356	Lever, Selector Clutch Trip
150358	Lever, Type Box Clutch Trip
150361	Collar Spacing
150431	Lever, Line Feed Clutch Trip
150444	Lever, Trip Shaft
150889	Lever, Spacing Clutch Trip
150895	Arm, Trip
150923	Washer, Felt
151629	Nut, (6-40)
151685	Screw (4-40 x 5/16)
151692	Screw (6-40 x 3/16)
152517	Arm, Trip Lever
152726	Bushing, Trip Shaft
153569	Arm, Type Box Clutch Trip
153583	Lever, Code Bar Clutch Trip
153584	Lever, Function Clutch Latch

Figure 28. Typing Unit, Main Shaft Mechanism



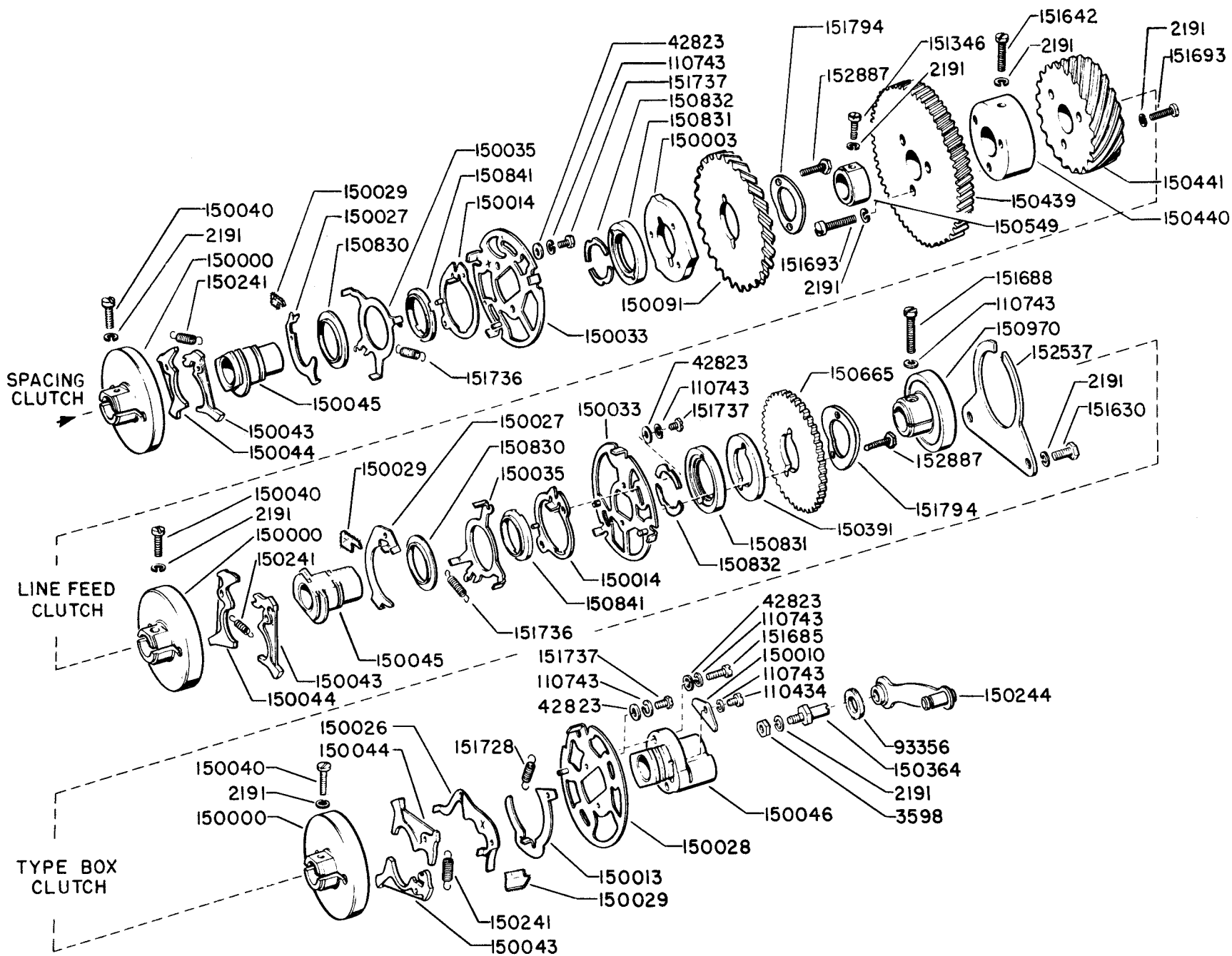
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CHANGE 1

## NUMERICAL INDEX - FIGURE 28

Part Number	Description
2191	Washer, Lock
3598	Nut (6-40)
42823	Washer, Flat
89096	Washer, Felt
110743	Washer, Lock
150000	Drum, Clutch
150001	Drum, Clutch
150004	Cam, Code Bar Clutch
150013	Disk, Adjusting
150016	Washer, Flat
150026	Lever, Clutch Shoe
150028	Disk, Clutch Cam
150029	Wick, Felt
150040	Screw (6-40 x 5/8)
150043	Shoe, Secondary Clutch
150044	Shoe, Primary Clutch
150047	Bearing, Clutch Sleeve
150050	Spacer, Clutch
150051	Cam, Code Bar Clutch Eccentric
150056	Arm, Code Bar Clutch Follower
150241	Spring, Clutch Shoe
151630	Screw (6-40 x 1/4)
151633	Bearing, Main Shaft Ball
151640	Lever, Clutch Shoe
151642	Screw (6-40 x 3/4)
151689	Screw (4-40 x 3/4)
151728	Spring, Clutch Shoe Lever
151733	Screw (4-40 x 9/16)
151737	Screw (4-40 x 11/64)
152447	Shaft, Main
152450	Cam, Selector
152573	Retainer, Bearing
152887	Screw (4-40 x 1/2)
153292	Plate, Stripper Blade Eccentric
153293	Spacer, Stripper Blade Eccentric
153296	Eccentric, Stripper Blade
153300	Link, Stripper Blade Driving
153323	Ring, Spacing
153576	Cam, Function Reset
153823	Collar
153824	Clamp, Collar
155044	Spacer, Function Reset Cam

Figure 29. Typing Unit, Main Shaft Mechanism



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ORIGINAL



## NUMERICAL INDEX - FIGURE 29

Part Number	Description
2191	Washer, Lock
3598	Nut (6-40)
42823	Washer, Flat
93356	Washer, Felt
110434	Screw (4-40 x 1/4)
110743	Washer, Lock
150000	Drum, Clutch
150003	Cam, Spacing Clutch Restoring
150010	Plate, Retainer
150013	Disk, Adjusting
150014	Disk, Adjusting
150026	Lever, Clutch Shoe
150027	Lever, Clutch Shoe
150028	Disk, Clutch Cam
150029	Wick, Felt
150033	Disk, Clutch Cam
150035	Disk, Clutch Shoe Lever
150040	Screw (6-40 x 5/8)
150043	Shoe, Secondary Clutch
150044	Shoe, Primary Clutch
150045	Bearing, Clutch Sleeve
150046	Bearing, Clutch Sleeve
150091	Gear, Spacing Shaft Helical Driving
150241	Spring, Clutch Shoe
150244	Link, Rocker Shaft Drive
150364	Stud, Eccentric
150391	Spacer, Line Feed Clutch Gear
150439	Gear, Main Shaft Helical Driving
150440	Hub, Gear
150441	Gear, Keyboard Helical Driving
150549	Collar, Spacing Shaft Gear
150665	Gear, Line Feed Clutch Spur
150830	Ring, Spacing
150831	Ring, Retaining
150832	Key, Cam Disk
150841	Bearing
150970	Bearing, Main Shaft Ball
151346	Screw (6-40 x 3/8)
151630	Screw (6-40 x 1/4)
151642	Screw (6-40 x 3/4)
151685	Screw (4-40 x 5/16)
151688	Screw (4-40 x 5/8)
151693	Screw (6-40 x 9/16)
151728	Spring, Clutch Shoe Lever
151736	Spring, Clutch Shoe Lever Disk
151737	Screw (4-40 x 11/64)
151794	Washer, Special
152537	Clamp, Ball Bearing
152887	Screw (4-40 x 1/2)



## NUMERICAL INDEX - FIGURE 30

Part Number	Description	Part Number	Description
1164	Screw (2-56 x 3/16)	151223	Screw, Shoulder (4-40)
2191	Washer, Lock	151602	Plate, Retaining
2669	Washer, Lock	151603	Collar, Spacing
3598	Nut (6-40)	151604	Block, Guide
3637	Ball, Bearing	151630	Screw (6-40 x 1/4)
7002	Washer, Flat	151632	Screw (6-40 x 3/8)
74553	Wick, Felt	151644	Spring, Vertical Positioning Lever
74882	Spring, Type Box Carriage Plate	151657	Screw (6-40 x 1/4)
76379	Spring, Lock Lever	151683	Box Assembly, Type
90361	Washer, Felt	151685	Screw (4-40 x 5/16)
90791	Washer, Lock	151686	Screw (4-40 x 3/8)
93356	Washer, Felt	151738RE	Screw, Identification (4-40)
101796	Washer, Felt	151880	Nut (4-40)
110434	Screw (4-40 x 1/4)		
110743	Washer, Lock	151941	
112626	Nut (10-32)	to	Type Pallets
112627	Nut (2-56)	151953	
115122	Washer, Felt		
119649	Ring, Retaining	152254	Wick, Felt
119651	Ring, Retaining	152502	Plate, Type Box Carriage
119652	Ring, Retaining	152503	Link, Type Box Carriage
125011	Washer, Flat	152559	Plate, Type Box Front
125015	Washer, Flat	152560	Plate, Type Box Rear
150040	Screw (6-40 x 5/8)	152593	Housing, Bearing
150072	Race, Bearing	153810	Guide, Ribbon
150073	Race, Bearing		
150076	Roller		
150077	Spring, Pallet Compression		
150078	Nut, Shoulder (4-40)		
150079	Stud, Type Box		
150100			
to			
150135	Type Pallets		
150140			
150143			
150149			
150367	Bracket, Rocker Shaft Right		
150370	Link, Right Main Side Lever Drive		
150380	Stud, Main Side Lever		
150381	Shim		
150382	Block Guide		
150384	Spacer, Vertical Positioning Lever		
150387	Link, Right Ribbon Drive		
150395	Screw, Shoulder (6-40)		
150397	Levers, Right Vertical Positioning		
150411	Washer, Flat		
150413	Arm, Right Main Side Lever Follower		
150420	Lever, Right Main Side		
150425	Lever, Vertical Positioning Lock		
150429	Stud, Eccentric		
150811	Stud, Follower Arm		
150824	Track, Carriage		
150891	Block, Ball Bearing		
150973	Pallet, Dummy		

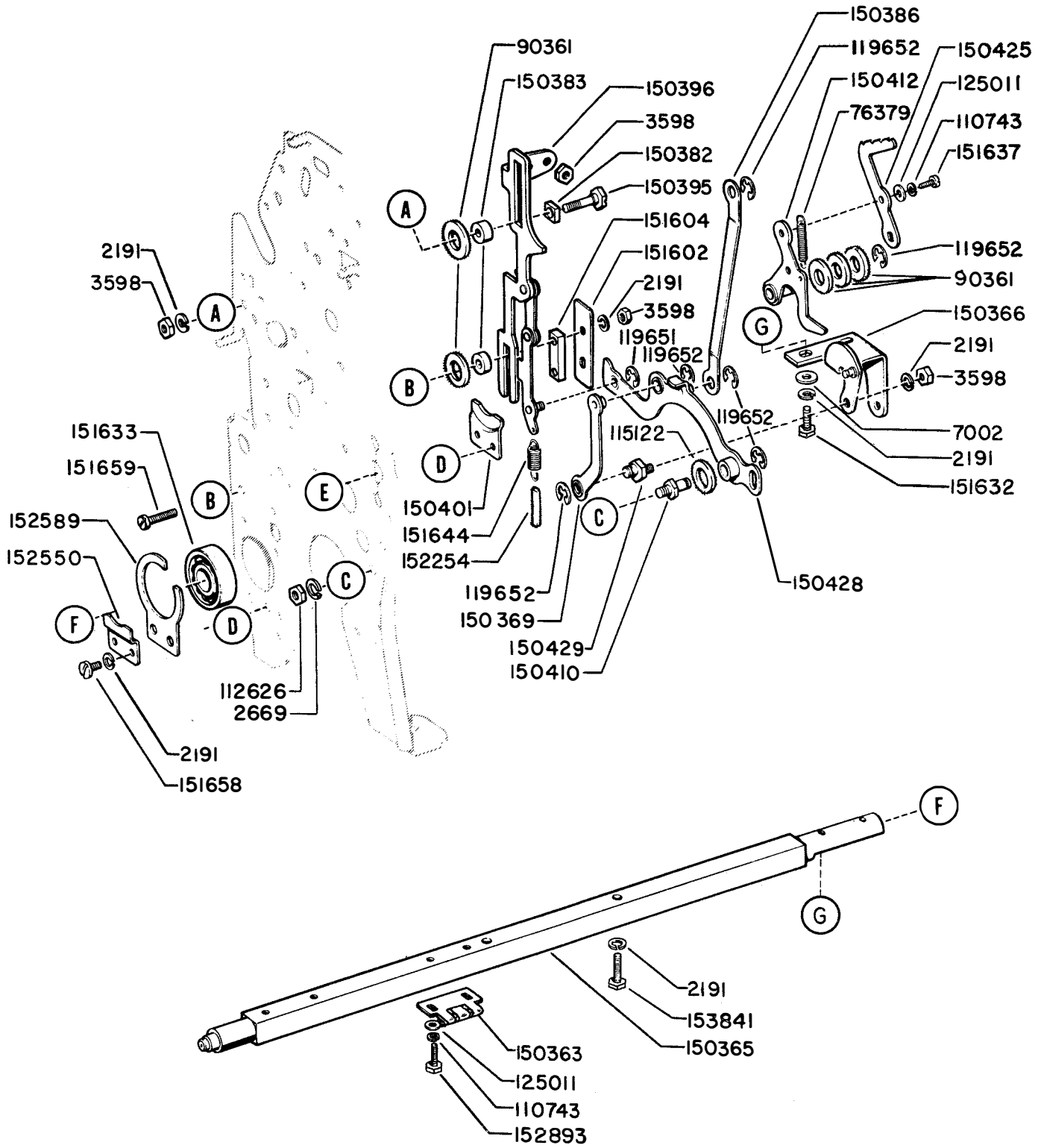
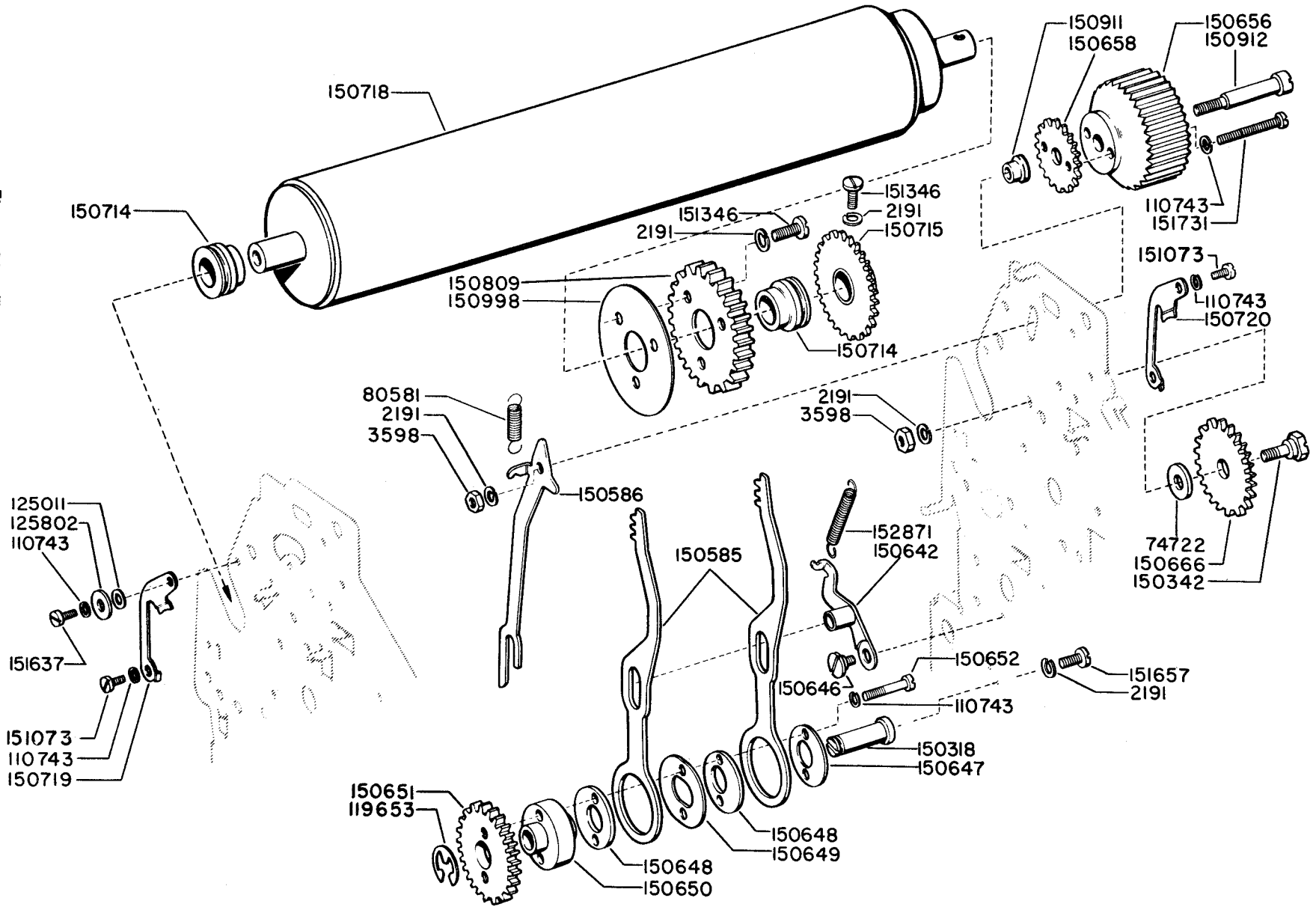


Figure 31. Typing Unit, Left Side Linkage and Rocker Shaft Mechanism

## NUMERICAL INDEX - FIGURE 31

Part Number	Description
2191	Washer, Lock
2669	Washer, Lock
3598	Nut (6-40)
7002	Washer, Flat
76379	Spring, Lock Lever
90361	Washer, Felt
110743	Washer, Lock
112626	Nut (10-32)
115122	Washer, Felt
119651	Ring, Retaining
119652	Ring, Retaining
125011	Washer, Flat
150363	Plate, Cam
150365	Shaft, Rocker
150366	Bracket, Rocker Shaft Left
150369	Link, Left Main Side Lever Drive
150382	Block, Guide
150383	Spacer, Vertical Positioning Lever
150386	Link, Left Ribbon Drive
150395	Screw, Shoulder (6-40)
150396	Levers, Left Vertical Positioning
150401	Clamp, Ball Bearing
150410	Stud, Main Side Lever
150412	Arm, Left Main Side Follower
150425	Lever, Vertical Positioning Lock
150428	Lever, Left Main Side
150429	Stud, Eccentric
151602	Plate, Retaining
151604	Block, Guide
151632	Screw (6-40 x 3/8)
151633	Bearing, Rocker Shaft Ball
151637	Screw (4-40 x 1/4)
151644	Spring, Vertical Positioning Lever
151658	Screw (6-40 x 5/16)
151659	Screw (6-40 x 1/2)
152254	Wick, Felt
152550	Clamp, Bearing
152589	Clamp, Bearing
152893	Screw (4-40 x 1/4)
153841	Screw (6-40 x 9/16)

Figure 32. Typing Unit, Line Feed and Platen Mechanism



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## NUMERICAL INDEX - FIGURE 32

Part Number	Description
2191	Washer, Lock
3598	Nut (6-40)
74722	Washer, Flat
80581	Spring, Line Feed Bar Release Lever
110743	Washer, Lock
119653	Ring, Retaining
125011	Washer, Flat
125802	Washer, Flat
150318	Post, Bearing
150342	Screw, Shoulder (6-40)
150585	Bar, Line Feed
150586	Lever, Line Feed Bar Release
150642	Crank, Line Feed Bar Bell
150646	Screw, Shoulder (6-40)
150647	Spacer, Eccentric
150648	Eccentric, Line Feed Bar
150649	Washer, Spacing
150650	Bearing, Eccentric
150651	Gear, Line Feed Eccentric Spur
150652	Screw (6-40 x 37/64)
150656	Wheel, Hand
150658	Gear, Platen Hand Wheel Spur
150666	Gear, Platen Idler Spur
150714	Bushing, Platen
150715	Gear, Platen Spur
150718	Platen
150719	Retainer, Right Platen
150720	Retainer, Left Platen
150809	Gear, Line Feed Spur
150911	Bushing, Shoulder
150912	Stud, Hand Wheel
150998	Disk, Spacing
151073	Screw (4-40 x 5/32)
151346	Screw (6-40 x 3/8)
151637	Screw (4-40 x 1/4)
151657	Screw (6-40 x 1/4)
151731	Screw (4-40 x 7/8)
152871	Spring, Line Feed Bar Bell Crank

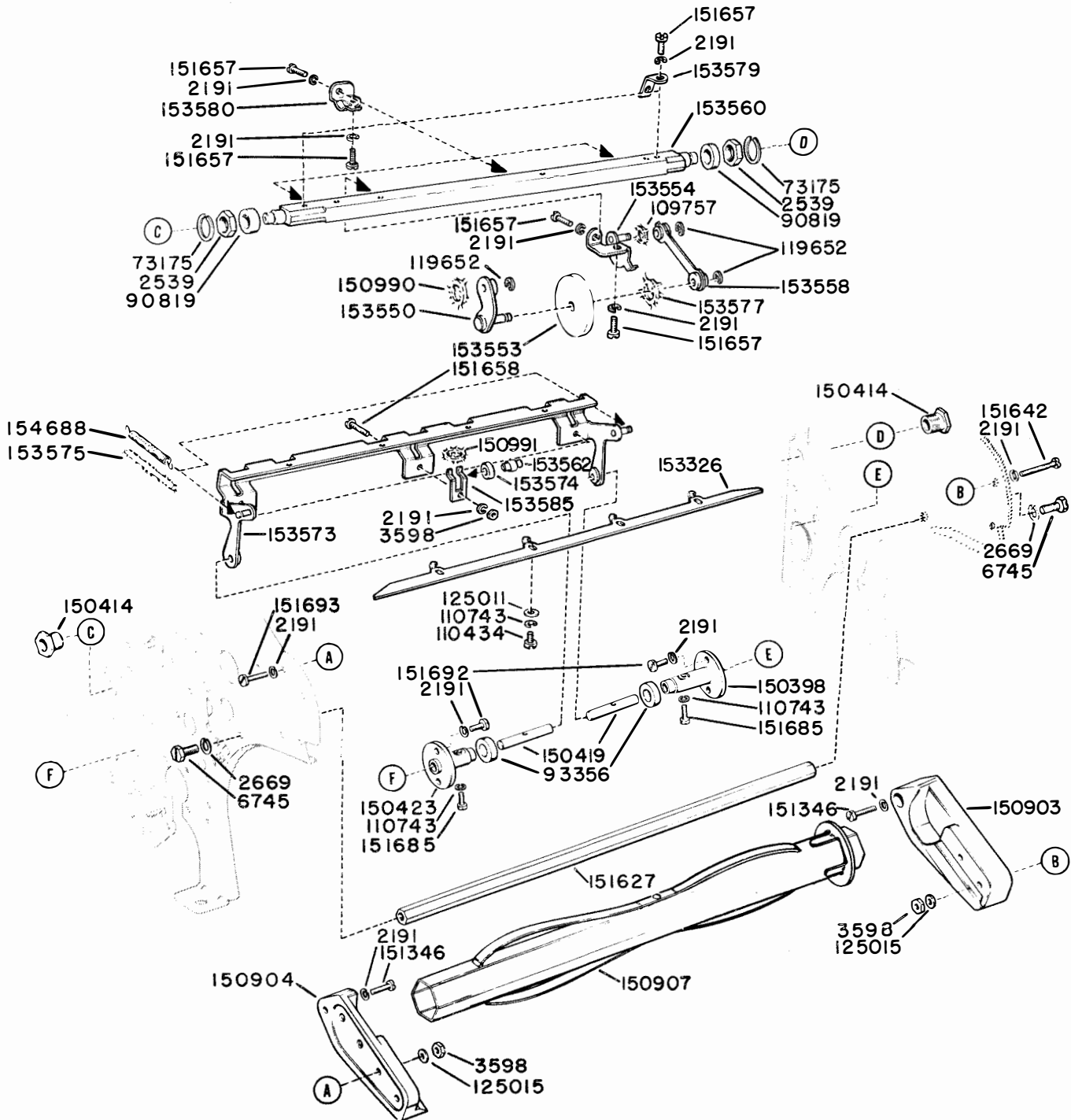


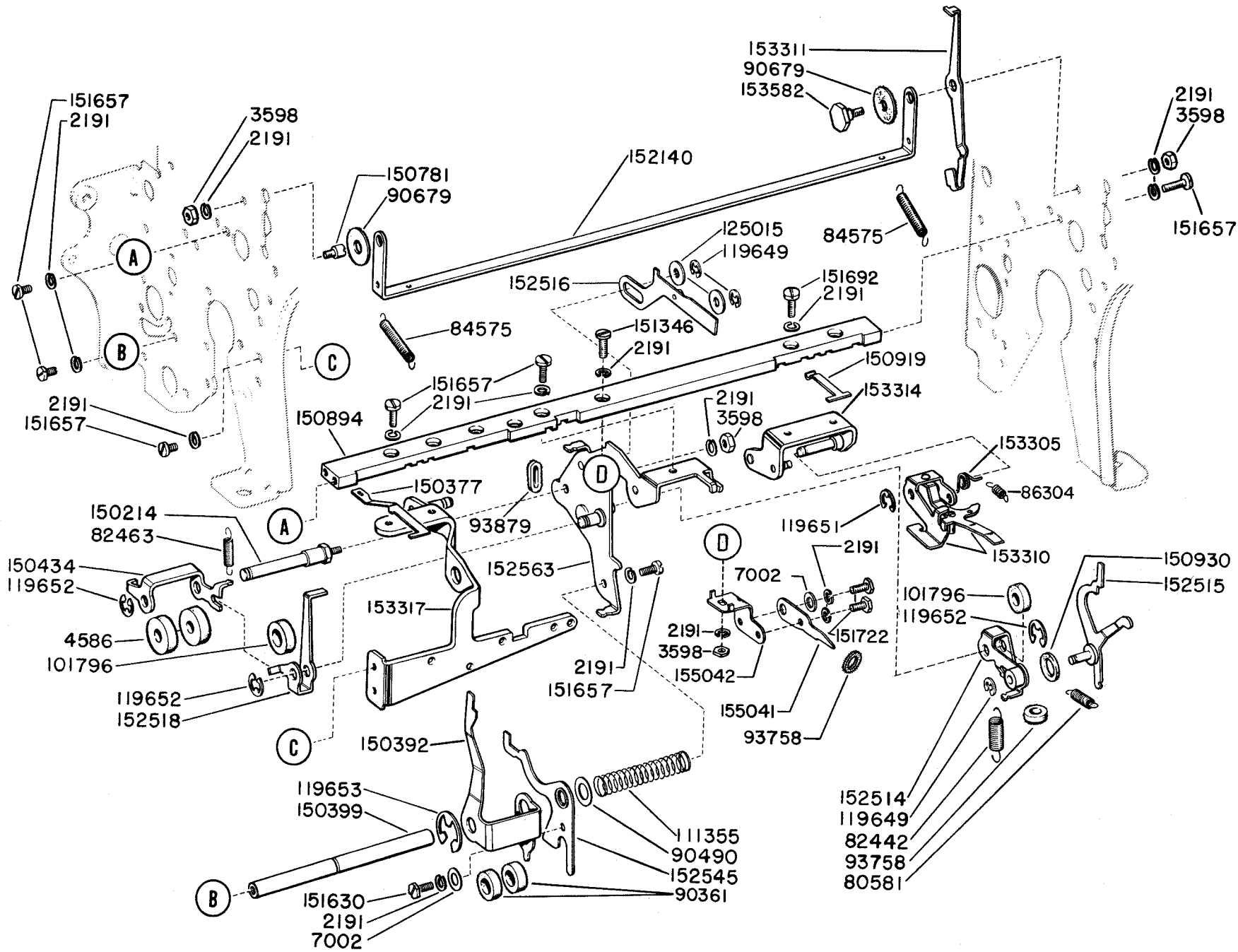
Figure 33. Typing Unit, Paper Spindle and Reset Bail Mechanism



## NUMERICAL INDEX - FIGURE 33

Part Number	Description
2191	Washer, Lock
2539	Nut (3/8 - 32)
2669	Washer, Lock
3598	Nut (6-40)
6745	Screw (10-32 x 1/2)
73175	Washer, Lock
90819	Washer, Felt
93356	Washer, Felt
109757	Washer, Felt
110434	Screw (4-40 x 1/4)
110743	Washer, Lock
119652	Ring, Retaining
125011	Washer, Flat
125015	Washer, Flat
150398	Stud, Left Pivot
150414	Bushing, Function Rocker Shaft
150419	Pin, Reset Bail Pivot
150423	Stud, Right Pivot
150903	Block, Left Paper Spindle
150904	Block, Right Paper Spindle
150907	Spindle, Paper
150990	Washer, Felt
150991	Washer, Felt
151346	Screw (6-40 x 3/8)
151627	Rod
151642	Screw (6-40 x 3/4)
151657	Screw (6-40 x 1/4)
151658	Screw (6-40 x 5/16)
151685	Screw (4-40 x 5/16)
151692	Screw (6-40 x 3/16)
151693	Screw (6-40 x 9/16)
152555	Shaft, Function Reset Bail Cam
153326	Blade, Reset Bail
153550	Link, Function Cam Roller
153553	Roller, Function Cam
153554	Bracket, Reset Bail Shaft Driving
153558	Link, Reset Bail Shaft Driving
153560	Shaft, Reset Bail Cam
153562	Shaft, Reset Bail Roller
153573	Bail, Function Bar Reset
153574	Roller, Function Reset Bail
153575	Wick, Reset Bail Oil
153577	Washer, Felt
153579	Bracket, Cam Shaft Spring
153580	Bracket, Reset Bail Cam
153585	Clamp, Roller Shaft
154688	Spring, Function Reset Bail

Figure 34. Typing Unit, Space Suppression Mechanism



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## NUMERICAL INDEX - FIGURE 34

Part Number	Description
2191	Washer, Lock
3598	Nut (6-40)
4586	Washer, Felt
7002	Washer, Flat
80581	Spring, Spacing Trip Lever
82442	Spring, Spacing Trip Lever Bail
82463	Spring, Transfer Bail
84575	Spring, Suppression Bail
86304	Spring, Stripper Bail Arm
90361	Washer, Felt
90490	Shim
90679	Washer, Felt
93758	Washer, Felt
93879	Oiler, Felt
101796	Washer, Felt
111355	Spring, Compression
119649	Ring, Retaining
119651	Ring, Retaining
119652	Ring, Retaining
119653	Ring, Retaining
125015	Washer, Flat
150214	Stud, Transfer Bail Bearing
150377	Arm, Carriage Return Slide
150392	Bail, Carriage Return
150399	Shaft, Carriage Return
150434	Bail, Spacing Cut-Out Transfer
150781	Stud, Suppression Bail Pivot
150894	Bar, Space Suppression
150919	Arm, Line Feed Slide
150930	Washer, Felt
151346	Screw (6-40 x 3/8)
151630	Screw (6-40 x 1/4)
151657	Screw (6-40 x 1/4)
151692	Screw (6-40 x 3/16)
151722	Screw (6-40 x 3/16)
152140	Bail, Suppression
152514	Bail, Spacing Trip Lever
152515	Lever, Space Trip
152516	Slide, Spacing Suppression
152518	Bail, Spacing Cut-Out
152545	Lever, Carriage Return
152563	Bracket, Spacing Mechanism
153305	Spring, Single-Double Line Feed Stripper Bail
153310	Bail, Single-Double Line Feed Stripper
153311	Arm, Single-Double Line Feed Stripper
153314	Bracket, Stripper Bail
153317	Bracket, Bearing
153582	Screw, Shoulder (6-40)
155041	Plate, Anti-Deflecting
155042	Bracket, Anti-Deflecting Plate



## NUMERICAL INDEX - FIGURE 35

Part Number	Description
2191	Washer, Lock
3598	Nut (6-40)
3599	Nut (4-40)
72468	Spring, Paper Finger
73894	Screw, Set (6-40)
74701	Spring, Paper Straightener Lever
110743	Washer, Lock
119651	Ring, Retaining
125011	Washer, Flat
125015	Washer, Flat
150097	Bar, Cross
150098	Bail, Pressure
150099	Guide, Paper
150265	Shaft, Pressure Roller Lever
150266	Lever, Pressure Roller Guide
150267	Clamp, Shaft
150269	Roller, Pressure
150270	Link, Pressure Roller Release
150271	Shaft, Pressure Roller Release
150274	Bracket, Shaft Clamp
150276	Lever, Paper Release
150436	Bushing, Paper Release Lever
150685	Shaft, Paper Finger
150803	Spring, Paper Finger Flat
150804	Finger, Right Paper
150815	Bushing, Paper Straightener Lever
150816	Lever, Paper Straightener
150826	Finger, Left Paper
150840	Bracket, Paper Guide
150992	Stud, Paper Straightener Lever Stop
151657	Screw (6-40 x 1/4)
151686	Screw (4-40 x 3/8)
151689	Screw (4-40 x 3/4)
151692	Screw (6-40 x 3/16)
151703	Pin, Paper Finger Shaft Bearing
152539	Guide, Paper
152723	Spring, Compression
152725	Spring, Compression
152832	Shaft, Paper Straightener
153634	Collar, Paper Straightener

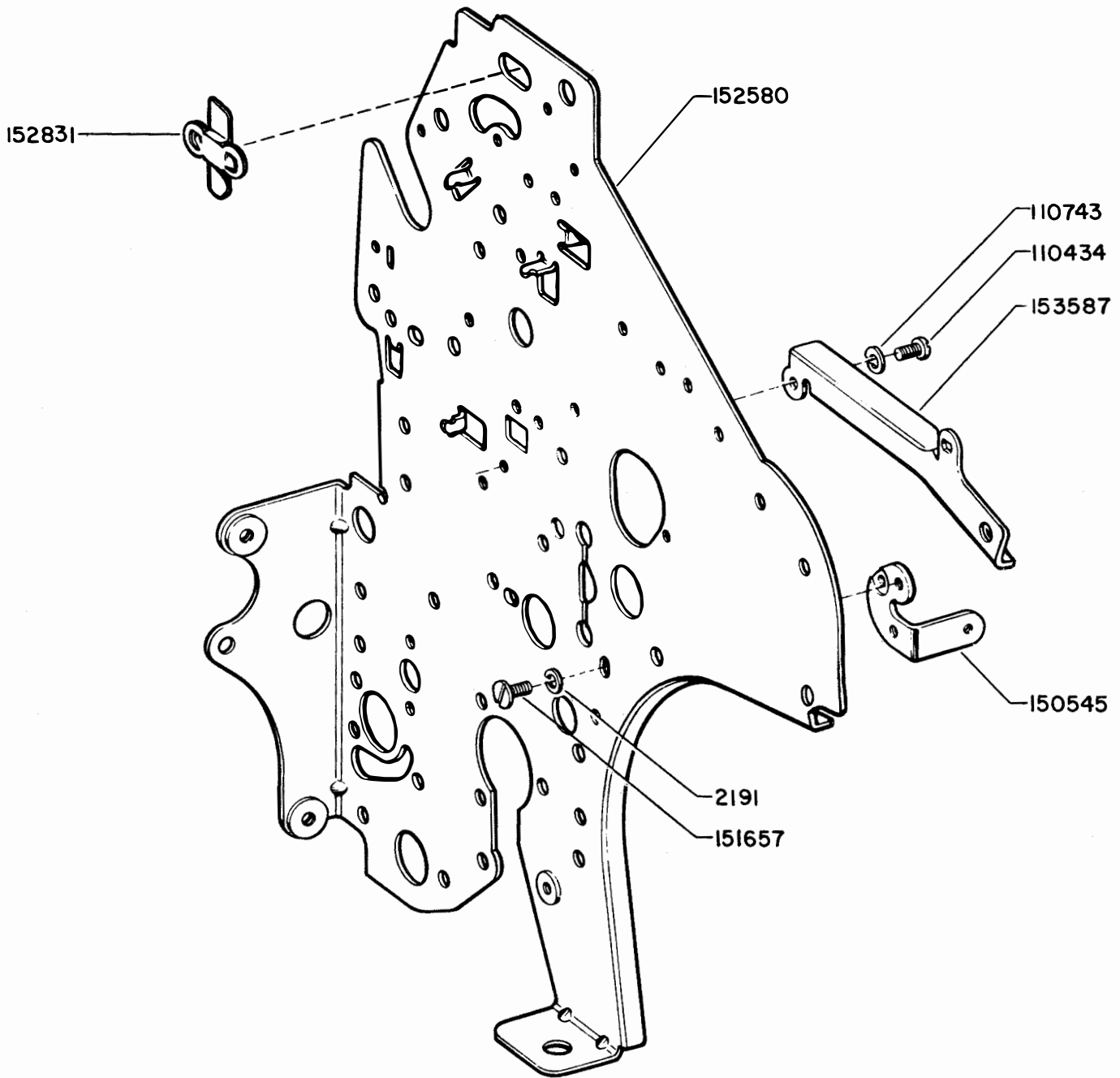


Figure 36. Typing Unit, Right Side Frame Mechanism

## NUMERICAL INDEX - FIGURE 36

Part Number	Description
2191	Washer, Lock
110434	Screw (4-40 x 1/4)
110743	Washer, Lock
150545	Bracket, Right, Stunt Box
151657	Screw (6-40 x 1/4)
152580	Frame, Right Side
152831	Clip, Wearing
153587	Guide, Right, Stunt Box

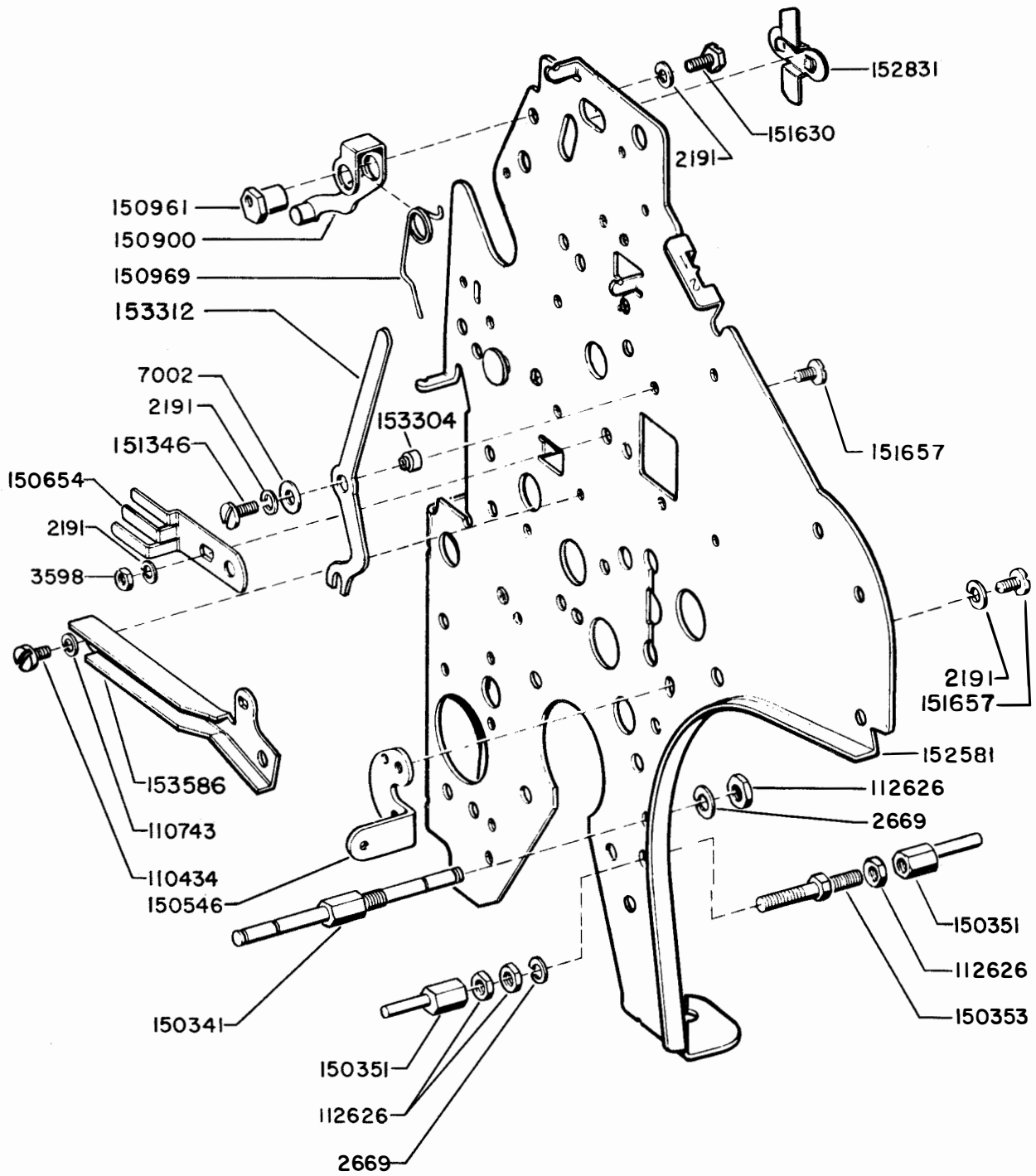


Figure 37. Typing Unit, Left Side Frame Mechanism



## NUMERICAL INDEX - FIGURE 37

Part Number	Description
2191	Washer, Lock
2669	Washer, Lock
3598	Nut (6-40)
7002	Washer, Flat
110434	Screw (4-40 x 1/4)
110743	Washer, Lock
112626	Nut (10-32)
150341	Post, Spring
150351	Post, Eccentric Stop
150353	Stud, Eccentric Stop Post
150546	Bracket, Left, Stunt Box
150654	Guide, Line Feed Bars
150900	Bail, Platen Detent
150961	Eccentric, Line Feed Gear Detent
150969	Spring, Platen Detent Bail Torsion
151346	Screw (6-40 x 1/4)
151630	Screw (6-40 x 1/4)
151657	Screw (6-40 x 1/4)
152581	Frame, Left Side
152831	Clip, Wearing
153304	Bushing, Line Feed Lever
153312	Lever, Single - Double Line Feed
153586	Guide, Left, Stunt Box

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STUNT BOX ARRANGEMENTS								
SLOT NUMBER	FUNCTION PERFORMED	152806 ARRANGEMENT "AJ"		152807 ARRANGEMENT "AK"		152808 ARRANGEMENT "AL"		
		FUNCTION BAR	LEVER PAWL PLATE OR LATCH	FUNCTION BAR	LEVER PAWL PLATE OR LATCH	FUNCTION BAR	LEVER PAWL PLATE OR LATCH	
1	Suppresses Space on LC BL (LC BL)	152675	152641 152653 *152660	152675	152641 152653 *152660	152675	152641 152653 *152660	
2	Figures Shift (FIG)	152666	152641 152653 *152660	152666	152641 152653 *152660	152666	152641 152653 *152660	
3	Letters Shift (LTR)	152665	152641 152653 *152660	152665	152641 152653 *152660	152665	152641 152653 *152660	
4	Automatic Carriage Return (CR LF)	152671	152641 152653 *152660	152671	152641 152653 *152660	152671	152641 152653 *152660	
5	Carriage Return (CR)	152667	152641 152653 *152660	152667	152641 152653 *152660	152667	152641 152653 *152660	
6	Permits sequential selection of Function Bar in slot 7 on FIG (FIG)	152666	152121 152653 154613	152666	152121 152653 154613	152666	152121 152653 154613	
7	Permits sequential selection of Function Bar in slot 8 on CR after FIG (CR)	152667	152121 152653 154613	152667	152121 152653 154613	152667	152121 152653 154613	
8	Shifts to Stunt Case (LTR)	152665	152299 152653 *152660	152665	152299 152653 *152660	152665	152299 152653 *152660	
9	Permits sequential selection of Function Bar in slot 10	**	152121 152653 154613	**	152121 152653 154613	**	152121 152653 154613	
10	Permits sequential selection of Function Bar in slot 11	**	152121 152653 154613	**	152121 152653 154613	**	152121 152653 154613	
11	Shifts to Printing Case	**	152298 152653 152089	**	152298 152653 152089	**	152298 152653 152089	
12	Permits sequential selection of Function Bar in slot 13 on CR (CR)	152667	152121 152653 154613	152667	152121 152653 154613	152667	152121 152653 154613	
13	Permits sequential selection of Function Bar in slot 14 on CR after CR (CR)	152667	152121 152653 154613	152667	152121 152653 154613	152667	152121 152653 154613	
14	Permits sequential selection of first Function Bar in any call sequence (LTR)	152665	152298 152653 154613	152665	152298 152653 154613	152665	152298 152653 154613	
15	Permits sequential selection of Function Bar in slot 16	VACANT	VACANT	**	152121 152653 154613	**	152121 152653 154613	
16	Permits sequential selection of Function Bar in slot 17	VACANT	VACANT	**	152121 152653 154613	**	152121 152653 154613	
17	Opens normally closed contacts	VACANT	VACANT	**	152298 152653 152089	**	152298 152653 152089	
18	Permits sequential selection of Function Bar in slot 19	VACANT	VACANT	VACANT	VACANT	**	152121 152653 154613	
19	Permits sequential selection of Function Bar in slot 20	VACANT	VACANT	VACANT	VACANT	**	152121 152653 154613	
20	Opens normally closed contacts	VACANT	VACANT	VACANT	VACANT	**	152298 152653 152089	
21	Permits sequential selection of Function Bar in slot 22	VACANT	VACANT	**	152121 152653 154613	**	152121 152653 154613	

\* Plates only.

\*\* Function Bars to be installed before unit is put into service. See page 71 for list of Function Bars.

SLOT NUMBER	FUNCTION PERFORMED	152806 ARRANGEMENT "AJ"		152807 ARRANGEMENT "AK"		152808 ARRANGEMENT "AL"	
		FUNCTION BAR	LEVER PAWL PLATE OR LATCH	FUNCTION BAR	LEVER PAWL PLATE OR LATCH	FUNCTION BAR	LEVER PAWL PLATE OR LATCH
22	Permits sequential selection of Function Bar in slot 23	VACANT	VACANT	**	152121 152653 154613	**	152121 152653 154613
23	Shifts to Printing Case	VACANT	VACANT	**	152298 152653 152089	**	152298 152653 152089
24	Permits sequential selection of Function Bar in slot 25	VACANT	VACANT	VACANT	VACANT	**	152121 152653 154613
25	Permits sequential selection of Function Bar in slot 26	VACANT	VACANT	VACANT	VACANT	**	152121 152653 154613
26	Shifts to Printing Case	VACANT	VACANT	VACANT	VACANT	**	152298 152653 152089
27	Permits sequential selection of Function Bar in slot 28	VACANT	VACANT	VACANT	VACANT	**	152121 152653 154613
28	Permits sequential selection of Function Bar in slot 29	VACANT	VACANT	VACANT	VACANT	**	152121 152653 154613
29	Shifts to Printing Case	VACANT	VACANT	VACANT	VACANT	**	152298 152653 152089
30	Permits sequential selection of Function Bar in slot 31	**	152121 152653 154613	**	152121 153653 154613	**	152121 152653 154613
31	Permits sequential selection of Function Bar in slot 32	**	152121 152653 154613	**	152121 152653 154613	**	152121 152653 154613
32	Shifts to Printing Case	**	152298 152653 152089	**	152298 152653 152089	**	152298 152653 152089
33	Permits sequential selection of Function Bar in slot 34 on FIG [ FIG ]	152666	152121 152653 154613	152666	152121 152653 154613	152666	152121 152653 154613
34	Permits sequential selection of Function Bar in slot 35 on CR after FIG [ CR ]	152667	152121 152653 154613	152667	152121 152653 154613	152667	152121 152653 154613
35	Shifts to Stunt Case [ LTR ]	152665	152299 152653 *152660	152665	152299 152653 *152660	152665	152299 152653 *152660
36	Permits sequential selection of Function Bar in slot 37 on CR [ CR ]	152667	152121 152653 154613	152667	152121 152653 154613	152667	152121 152653 154613
37	Permits sequential selection of Function Bar in slot 38 on CR after CR [ CR ]	152667	152121 152653 154613	152667	152121 152653 154613	152667	152121 152653 154613
38	Line Feed (Upon receiving condition code if in printing case) [ SC LTR ]	153438	152642 153604 *152660	153438	152642 153604 *152660	153438	152642 153604 *152660
39	Automatic Line Feed [ CR LF ]	152671	152642 153598 *152660	152671	152642 153598 *152660	152671	152642 153598 *152660
40	Line Feed [ SC LF ]	153435	152641 152653 *152660	153435	152641 152653 *152660	153435	152641 152653 *152660
41	Activates Signal Bell contact [ SC UC S ]	153437	152641 152653 *152660	153437	152641 152653 *152660	153437	152641 152653 *152660
42	Space Suppression on LF [ LF ]	152668	152641 152653 *152660	152668	152641 152653 *152660	152668	152641 152653 *152660

\* Plates only.

\*\* Function Bars to be installed before unit is put into service. See page 71 for list of Function Bars.

LIST OF STATION CODE CALL FUNCTION BARS  
FOR FIELD INSTALLATION

Part Number	Description	Markings
152676	NO RESTRICTIONS - Function Bar A	A
152677	Function Bar B	B
152678	Function Bar C	C
152679	Function Bar D	D
152680	Function Bar E	E
152681	Function Bar F	F
152682	Function Bar G	G
152683	Function Bar H	H
152684	Function Bar I	I
152685	Function Bar J	J
152686	Function Bar K	K
152687	Function Bar L	L
152688	Function Bar M	M
152689	Function Bar N	N
152690	Function Bar O	O
152691	Function Bar P	P
152692	Function Bar Q	Q
152695	Function Bar R	R
152696	Function Bar S	S
152697	Function Bar T	T
152698	Function Bar U	U
152699	Function Bar V	V
152700	Function Bar W	W
152701	Function Bar X	X
152702	Function Bar Y	Y
152703	Function Bar Z	Z
153409	NON SELECT - Stunt Case Function Bar A	SC A
153410	Stunt Case Function Bar B	SC B
153411	Stunt Case Function Bar C	SC C
153412	Stunt Case Function Bar D	SC D
153413	Stunt Case Function Bar E	SC E
153414	Stunt Case Function Bar F	SC F
153415	Stunt Case Function Bar G	SC G
153416	Stunt Case Function Bar H	SC H
153417	Stunt Case Function Bar I	SC I
153418	Stunt Case Function Bar J	SC J
153419	Stunt Case Function Bar K	SC K
153420	Stunt Case Function Bar L	SC L
153421	Stunt Case Function Bar M	SC M
153422	Stunt Case Function Bar N	SC N
153423	Stunt Case Function Bar O	SC O
153424	Stunt Case Function Bar P	SC P
153425	Stunt Case Function Bar Q	SC Q
153426	Stunt Case Function Bar R	SC R
153427	Stunt Case Function Bar S	SC S
153428	Stunt Case Function Bar T	SC T
153429	Stunt Case Function Bar U	SC U
153430	Stunt Case Function Bar V	SC V
153431	Stunt Case Function Bar W	SC W
153432	Stunt Case Function Bar X	SC X
153433	Stunt Case Function Bar Y	SC Y
153434	Stunt Case Function Bar Z	SC Z

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1176	Screw (6-40 x 3/16), 9	43954	Bell, 11
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CORRECTION SHEET TO BULLETIN 1157B  
PARTS  
MODEL 28 PRINTER SET  
(STUNT BOX C.A.A.)

FIGURE 17, TYPING UNIT, STUNT BOX MECHANISM

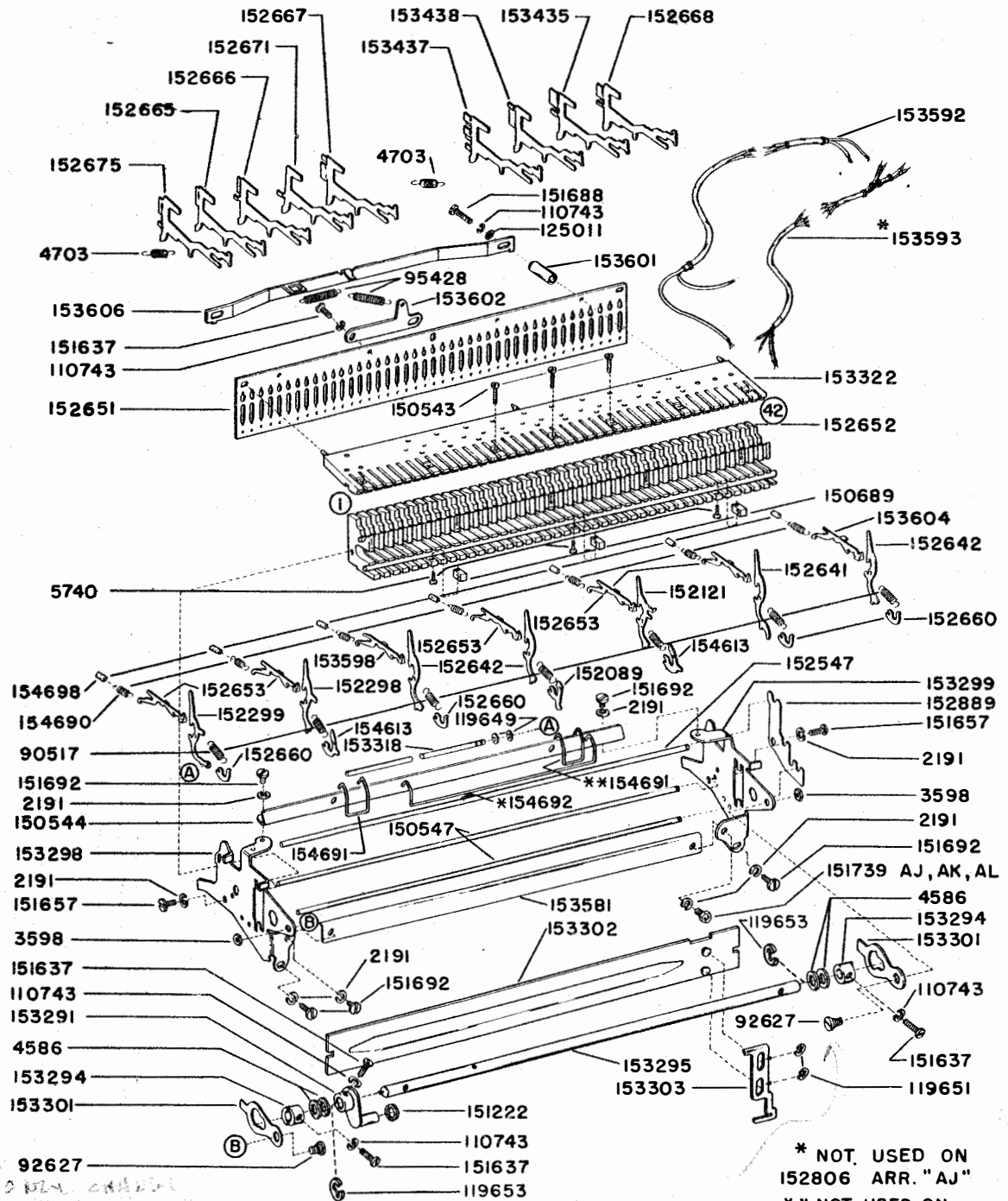


FIGURE 17. TYPING UNIT, STUNT BOX MECHANISM