

BULLETIN 1168B
MODEL 28 AND 35
REPERFORATOR TRANSMITTER SETS (RT)
PARTS



TELETYPE[®]
CORPORATION
5555 TOUHY AVENUE, SKOKIE, ILLINOIS

SECTION	TITLE	ISSUE
573-125-800TC	28 Reperforator Transmitter Base (LRXB)	1
573-125-801TC	28 Tape Handling Stand (LTHS)	1
573-136-802TC	28 Apparatus Cabinet (LBAC) for Reperforator Transmitter	1

For Motors See Bull tin 295B

28 AND 35 REPERFORATOR TRANSMITTER BASE (LRXB)
PARTS

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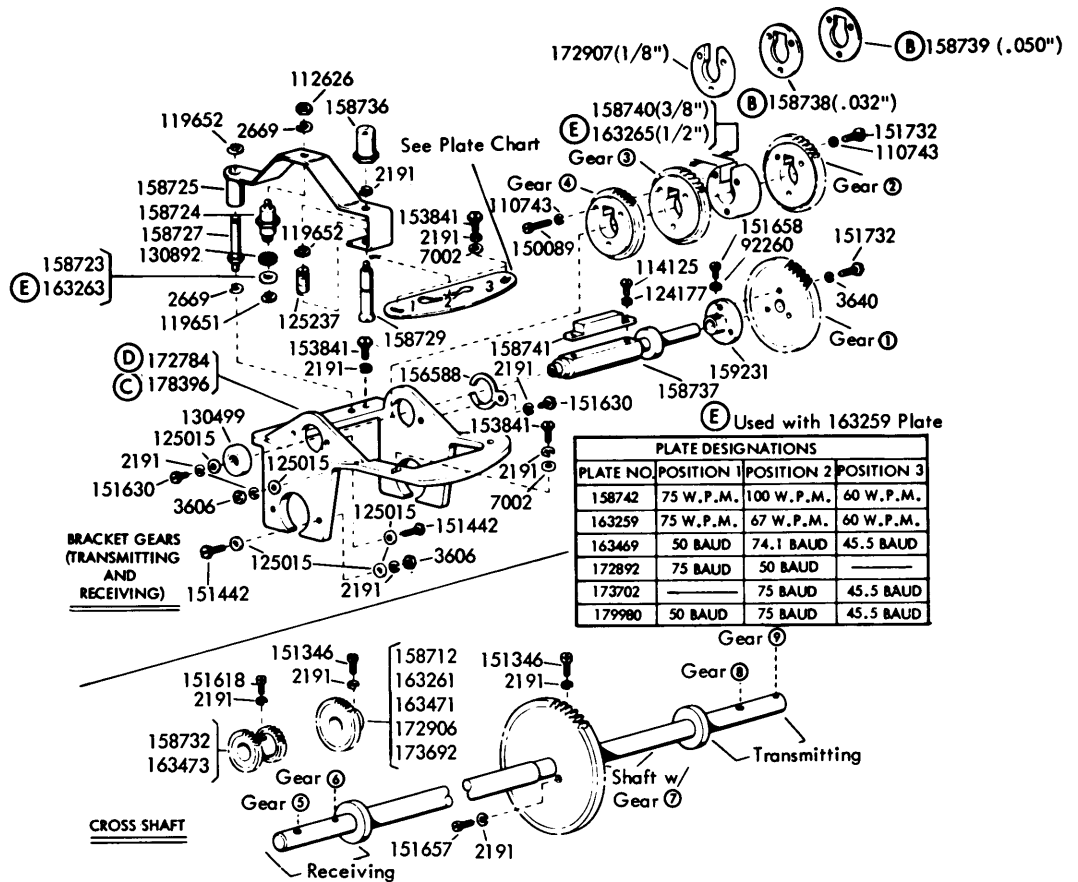
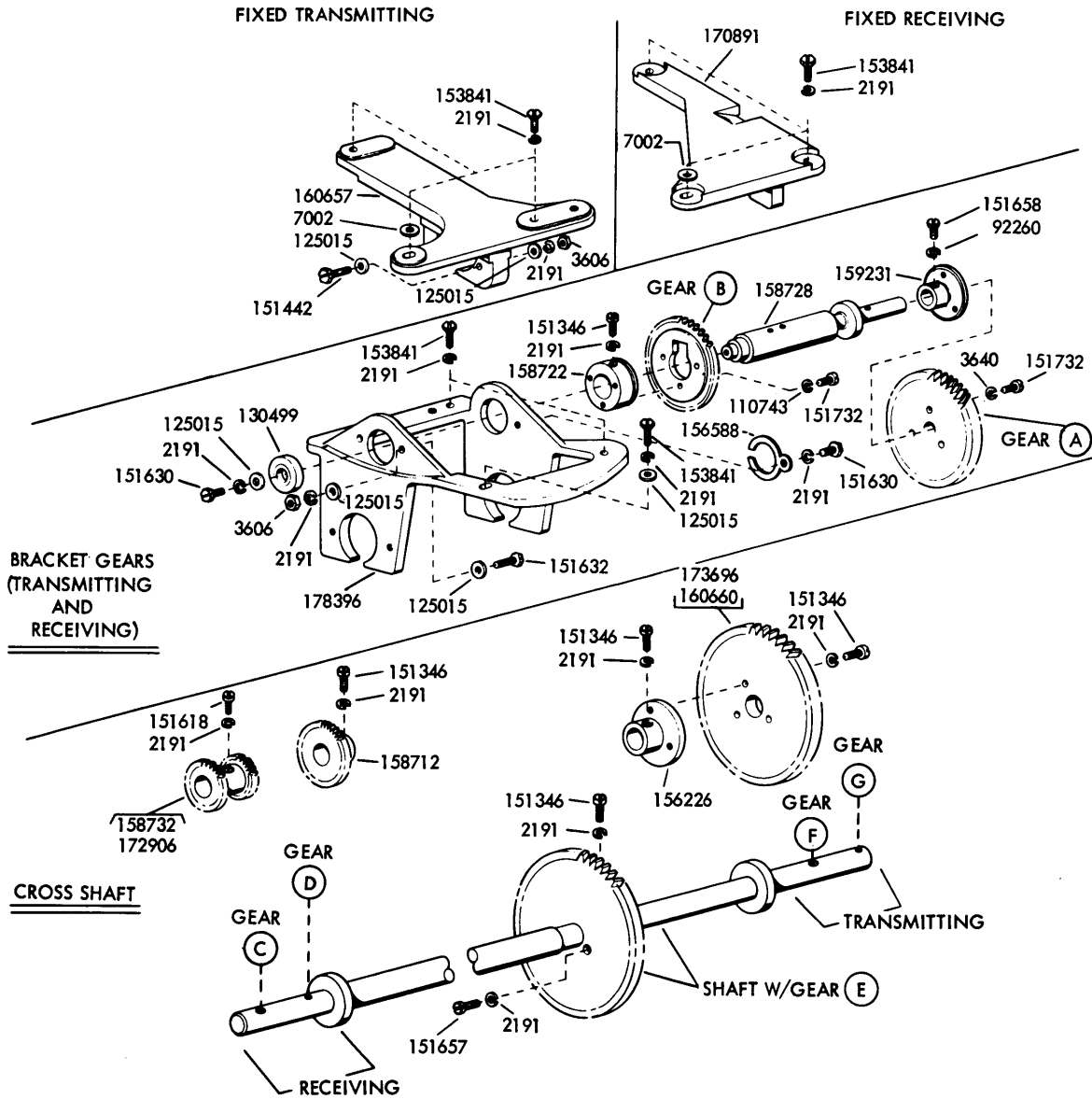


PLATE DESIGNATIONS			
PLATE NO.	POSITION 1	POSITION 2	POSITION 3
158742	75 W.P.M.	100 W.P.M.	60 W.P.M.
163259	75 W.P.M.	67 W.P.M.	60 W.P.M.
163469	50 BAUD	74.1 BAUD	45.5 BAUD
172892	75 BAUD	50 BAUD	---
173702	---	75 BAUD	45.5 BAUD
179980	50 BAUD	75 BAUD	45.5 BAUD

VARIABLE SPEED GEAR CHART												
FUNCTION	TRANS.	REC.	TRANS.	REC.	REC.	TRANS.	TRANS.	REC.	TRANS.	REC.	REC.	TRANS.
UNIT CODE	7.42		7.42		7.42	7.00	7.50	7.42		7.00	7.00	
W.P.M.	60-75-100		60-67-75		60-67 100	65-71 106	66-100	60-75-100		65-107	65-71-107	
BAUD	45.5-56.8-74.2		45.5-50-56.8		45.5-50 74.2	45.5-50 74.1	50-75	45.5-56.8-74.2		45.5-75	45.5-50-75	
Gear ①	158703	158700	158703	158700	163475	158703	172628	158700	158703	163475	163475	158703
Gear ②	158716	158716	163262	163262	163470	163470	158716	158716	158716	173693	173693	173693
Gear ③	158733	158733	158733	158733	163474	163474	(A)	158733	158733	163474	163474	163474
Gear ④	158734	158734	163258	163258	163472	163472	172905	158734	158734		163472	163472
Gear ⑤		158732		158732	163473			158732		163473	163473	
Gear ⑥		158712		163261	163471			158712		173692	173692	
Shaft w/ Gear ⑦	158713 (F) 160658		163357		158713		158713	(D) 172871		160658	158713 (F) 160658	
Gear ⑧	158732		158732			163473	172906		158732			163473
Gear ⑨	158712		163261			163471	158712		158712			173692

- (A) The 172907 (1/8" thick) and 158739 (.050" thick) spacers are used in place of a gear in this position.
- (B) The 158738 (.032" thick) and 158739 (.050" thick) spacers are required with early design gears. The new style gear has a shoulder which replaces the spacer.
- (C) The new design 178396 bracket replaces both early design 158746 (transmitting) and 158749 (receiving) brackets. Orders for the early design parts will be filled with the new design 178396 bracket which is used in both the transmitting and receiving positions.
- (D) The 172784 bracket and 172871 cross shaft w/gear are peculiar to the special square base used in the AC205 cabinet application. See Figures 13 and 14 for associated parts.
- (F) Required when transmitting speed is fixed.

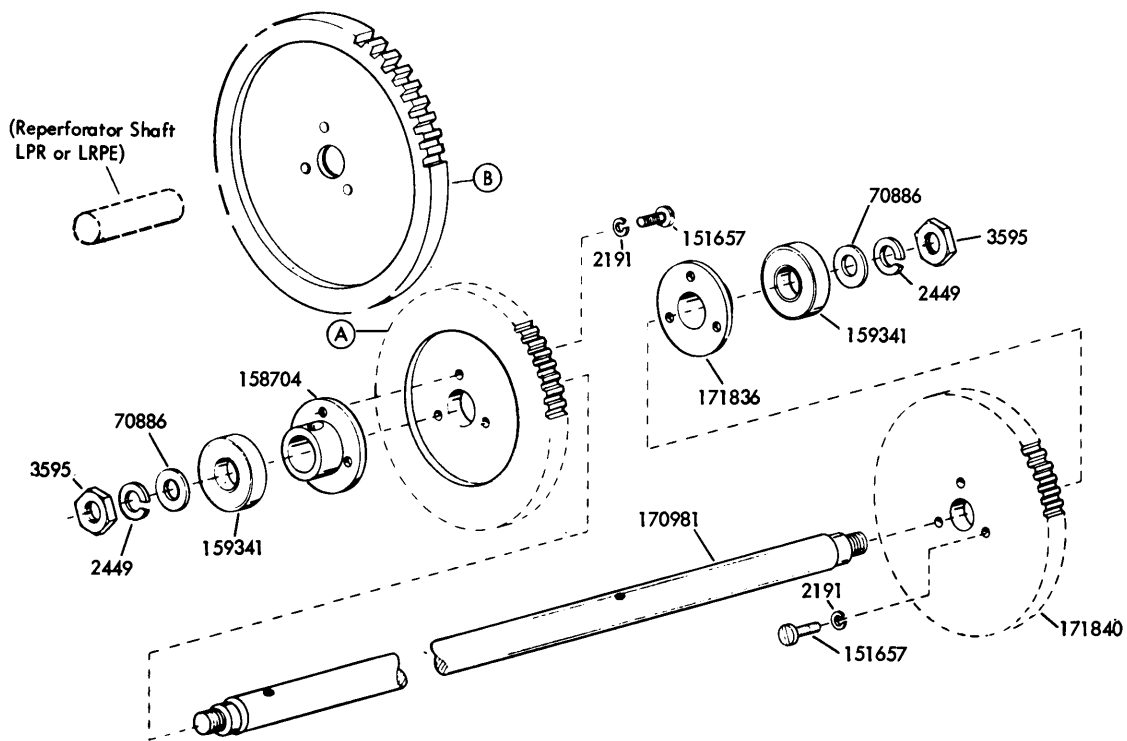
FIGURE 2. VARIABLE SPEED GEAR MECHANISMS



FIXED SPEED GEAR CHART											
FUNCTION	REC	TRANS	REC	TRANS	REC	TRANS	REC	TRANS	TRANS	TRANS	TRANS
UNIT CODE	7.42	7.42	7.42	7.42	7.42	7.42	7.50	7.50	7.50	7.42	7.00
W.P.M.	100	100	75	75	60	60	66	66	100	100	65
BAUD	74.2	74.2	56.8	56.8	45.5	45.5	50	50	75	74.2	45.5
GEAR (A)	158700	158703	158700	158703	158700	158703	172630	172628	172628	158703	158703
GEAR (B)	158716	—	158734	158734	158733	158733	158716	158716	172905	158716	—
GEAR (C)	—	—	158732	—	158732	—	—	—	—	—	—
GEAR (D)	—	—	—	—	—	—	158712	—	—	—	—
SHAFT W/GEAR (E)	160658	160658	158713	158713	158713	158713	158713	158713	158713	170990	160658
GEAR (F)	—	—	—	158732	—	158732	—	—	172906	—	—
GEAR (G)	—	160660	—	—	—	—	—	158712	—	158712	173696

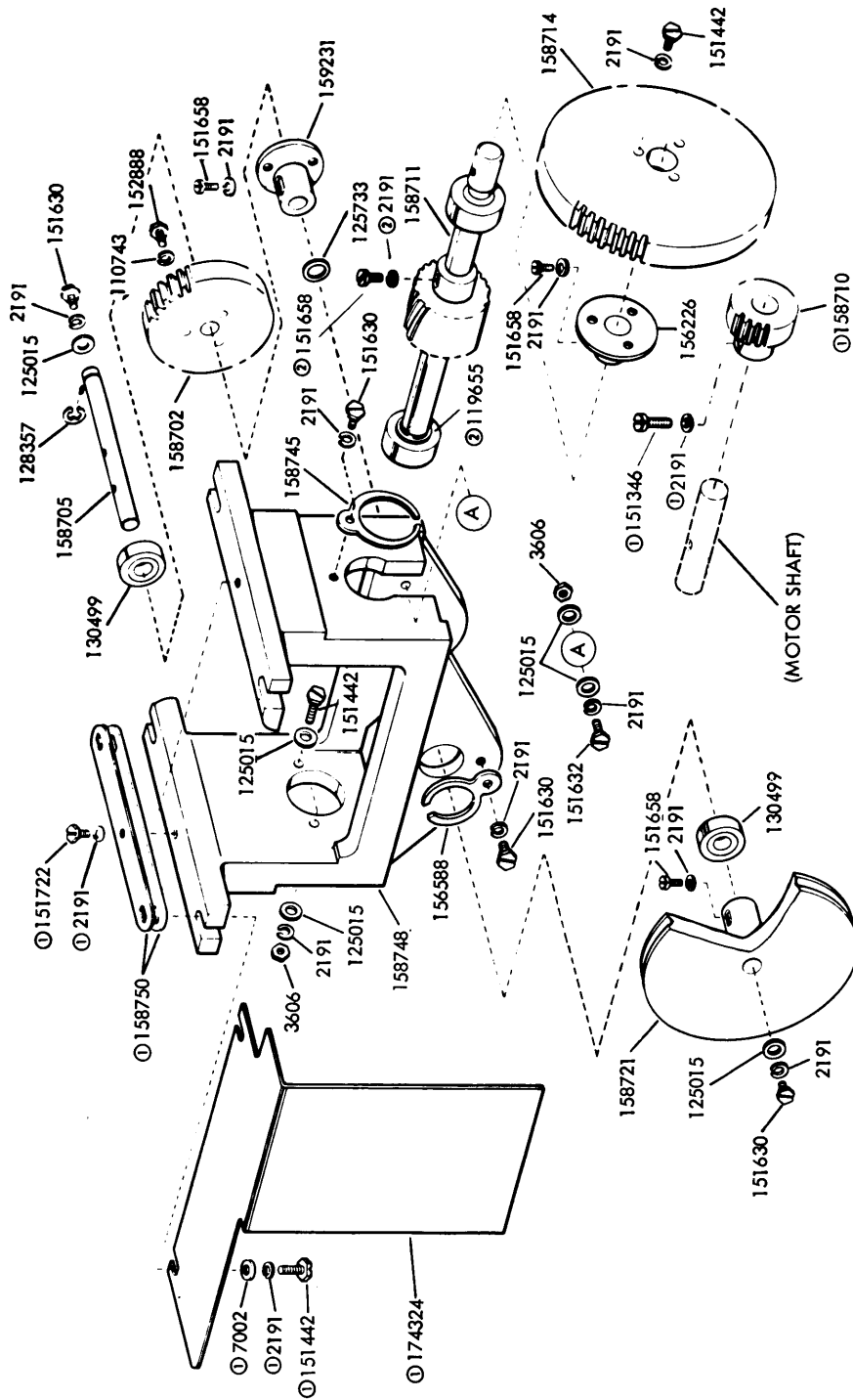
NOTE: When either the transmitting or receiving side is variable speed, use the gear chart on Figure 2.

FIGURE 3. FIXED SPEED GEAR MECHANISMS



INTERCHANGEABLE GEAR SETS FOR L/H RT SETS				
		Gear Sets	Gear "A"	Gear "B"
Motor Speeds	3600 RPM	171695 (60 WPM)	170767	170768
		171696 (75 WPM)	170871	170872
		171697 (100 WPM)	170769	170770
3000 RPM	146953 (60 WPM)	146962	146963	
	146954 (75 WPM)	146960	146961	
	146951 (100 WPM)	146964	146965	

FIGURE 4. INTERCHANGEABLE CROSS SHAFT GEAR SETS



⓪ Not part of 159104
 Ⓛ Part of 158711

FIGURE 5. 159104 TAPE WINDER DRIVE BRACKET ASSEMBLY (200 WPM MAXIMUM)

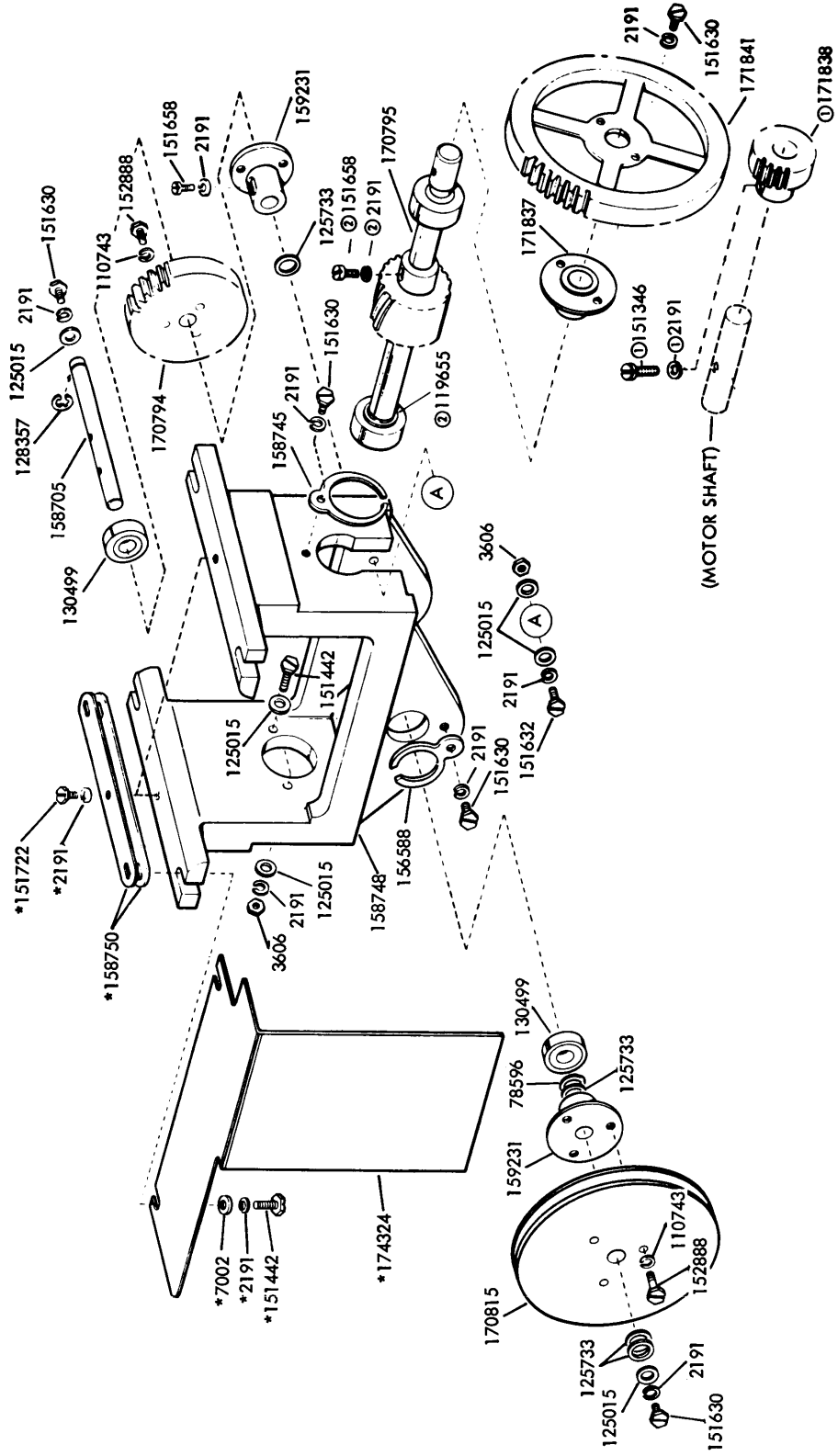


FIGURE 6. 170806 TAPE WINDER DRIVE BRACKET ASSEMBLY (1000 WPM MAXIMUM)

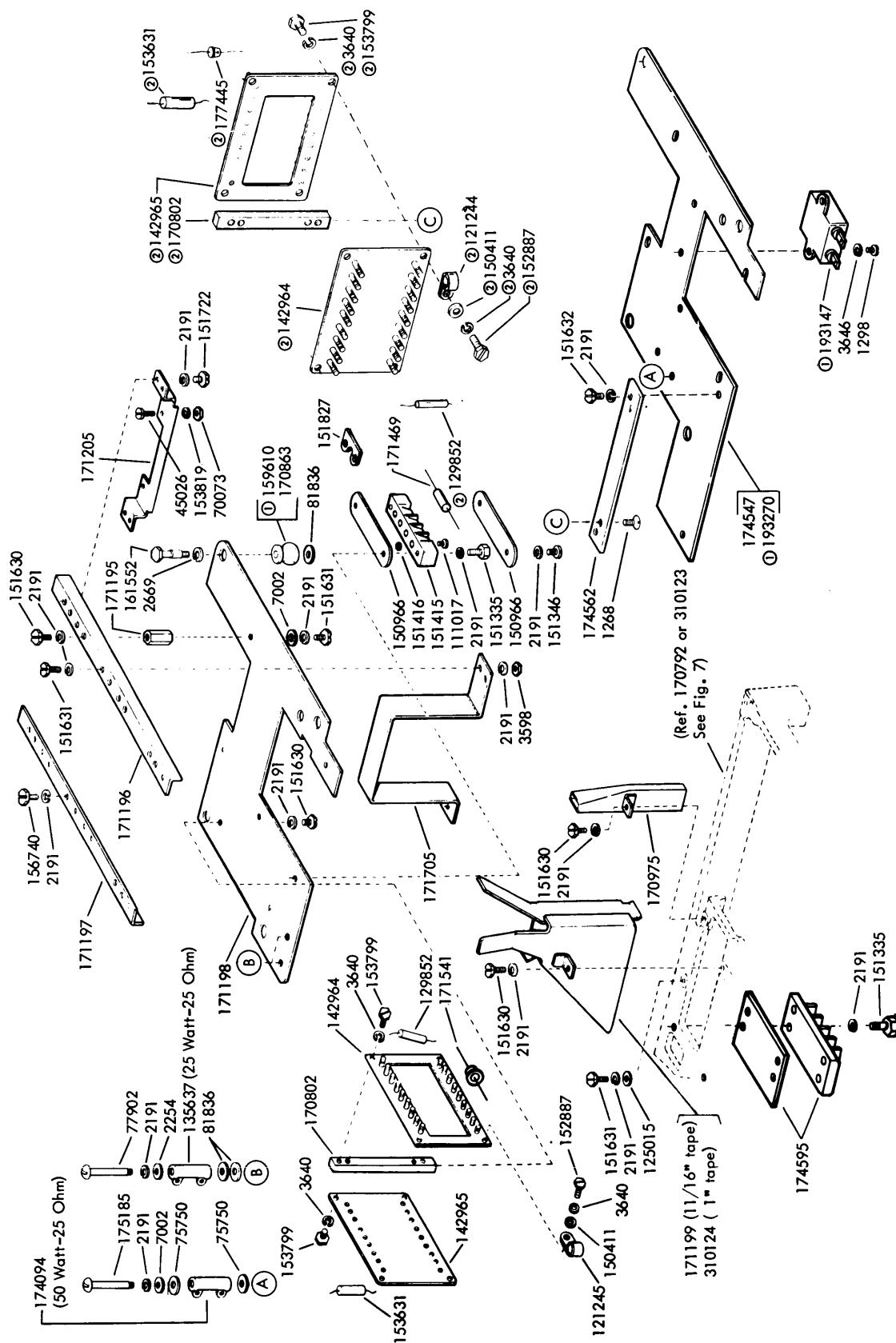


FIGURE 8. HIGH SPEED TAPE READER (CX) MOUNTING PARTS

① When the 193147 capacitor is used, the 193270 plate (with mounting provisions) and the 159610 vibration mount (for the heavier load) are required.

② 197498 Terminal Board Assembly

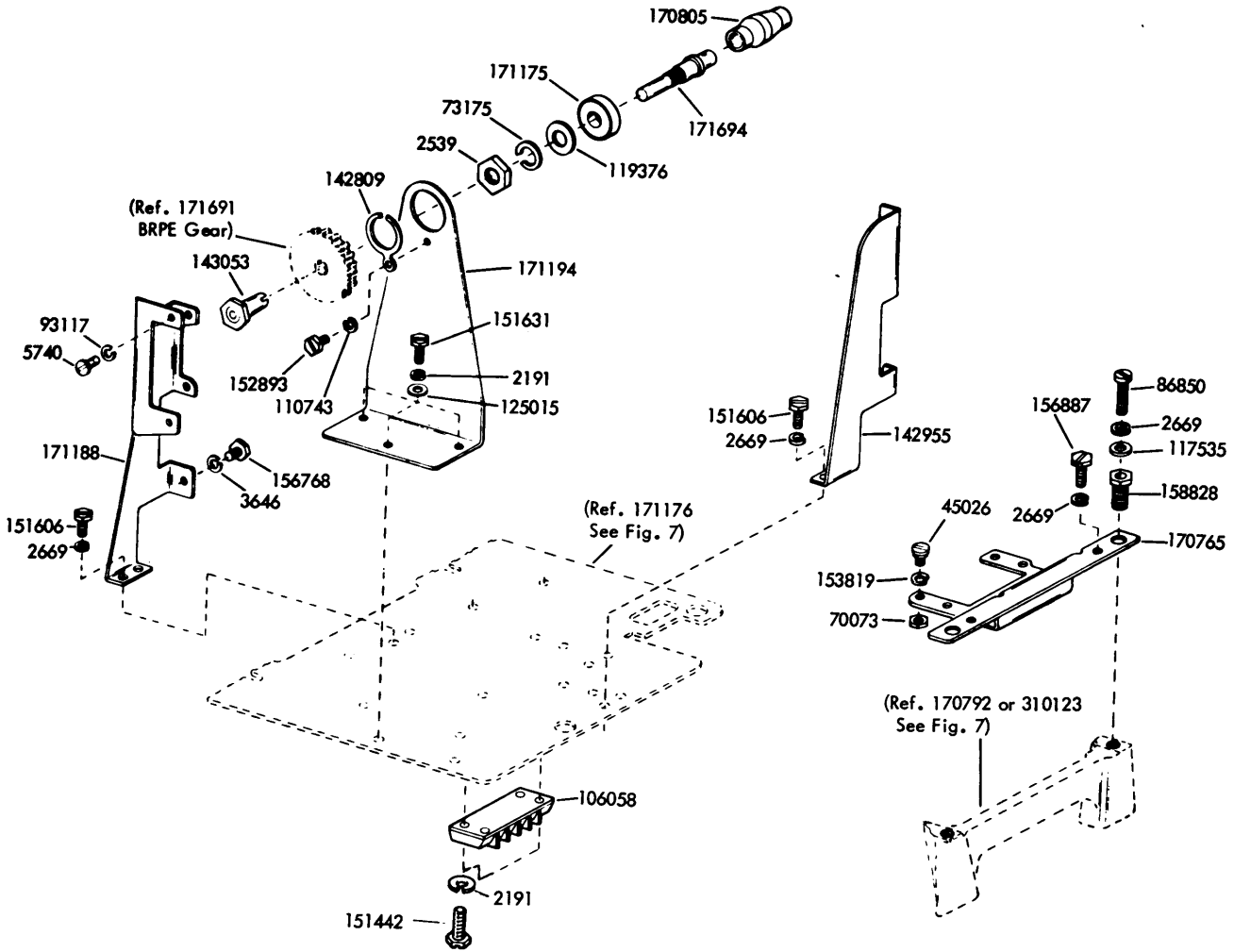


FIGURE 9. HIGH SPEED TAPE PUNCH (BRPE) MOUNTING AND DRIVE PARTS

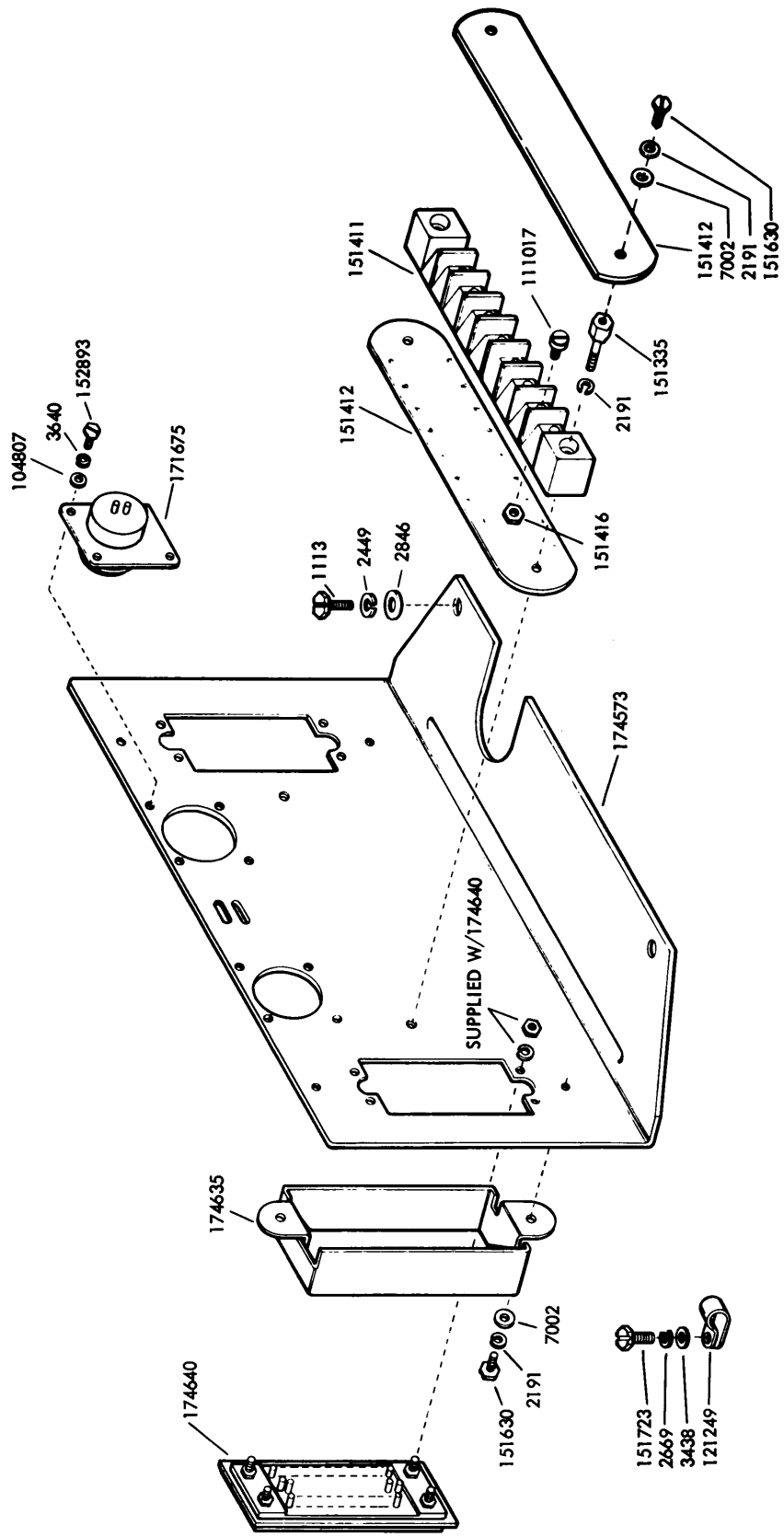


FIGURE 10. CONNECTOR PLATE

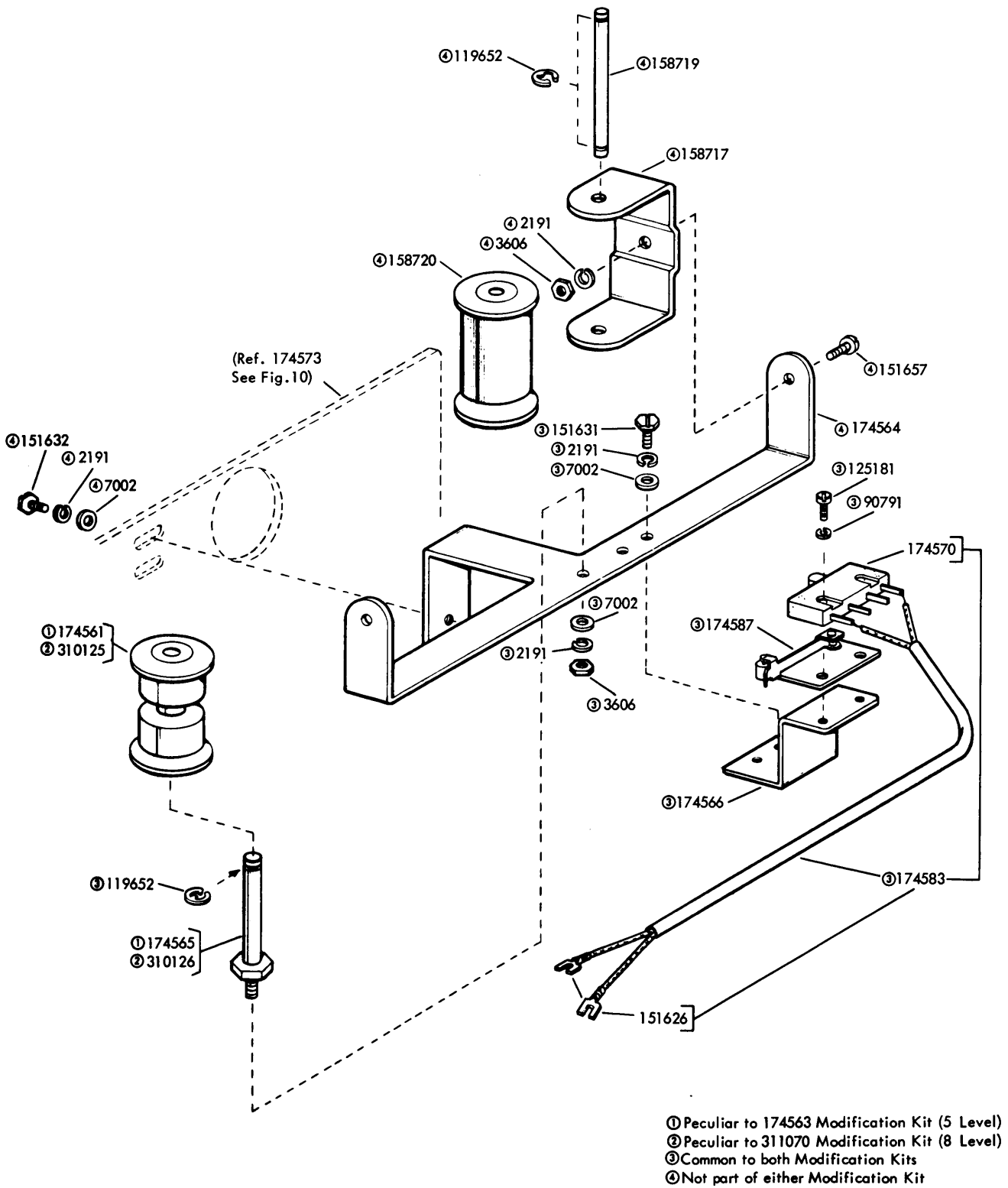
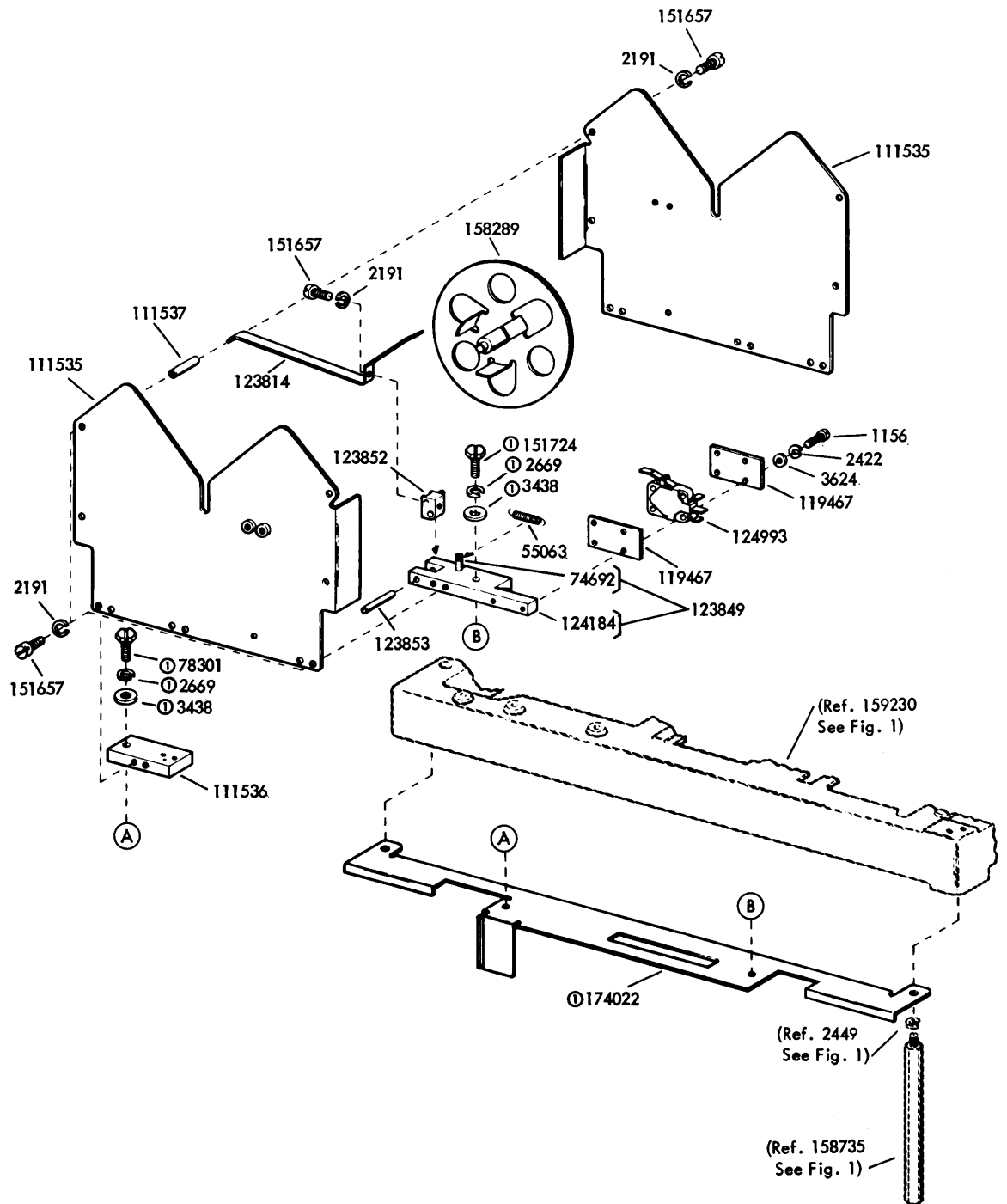


FIGURE 11. MODIFICATION KITS TO PROVIDE TAPE-OUT CONTACTS
 AHEAD OF REPERFORATOR USED ON THE H/L RT SET



Ⓞ Not part of 123910

FIGURE 12. 123910 TAPE CONTAINER ASSEMBLY

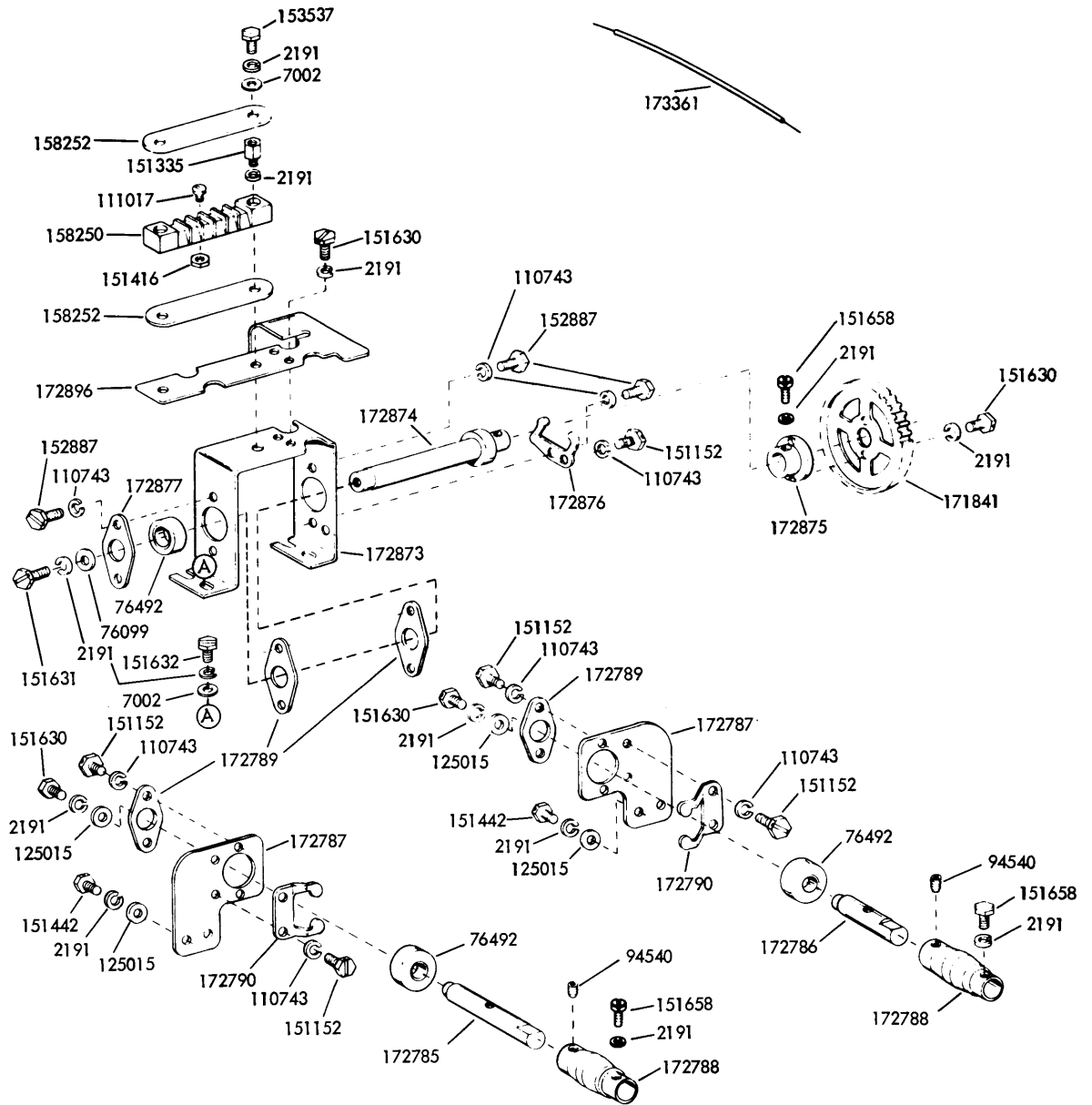


FIGURE 14. INTERMEDIATE SHAFT AND GEARS

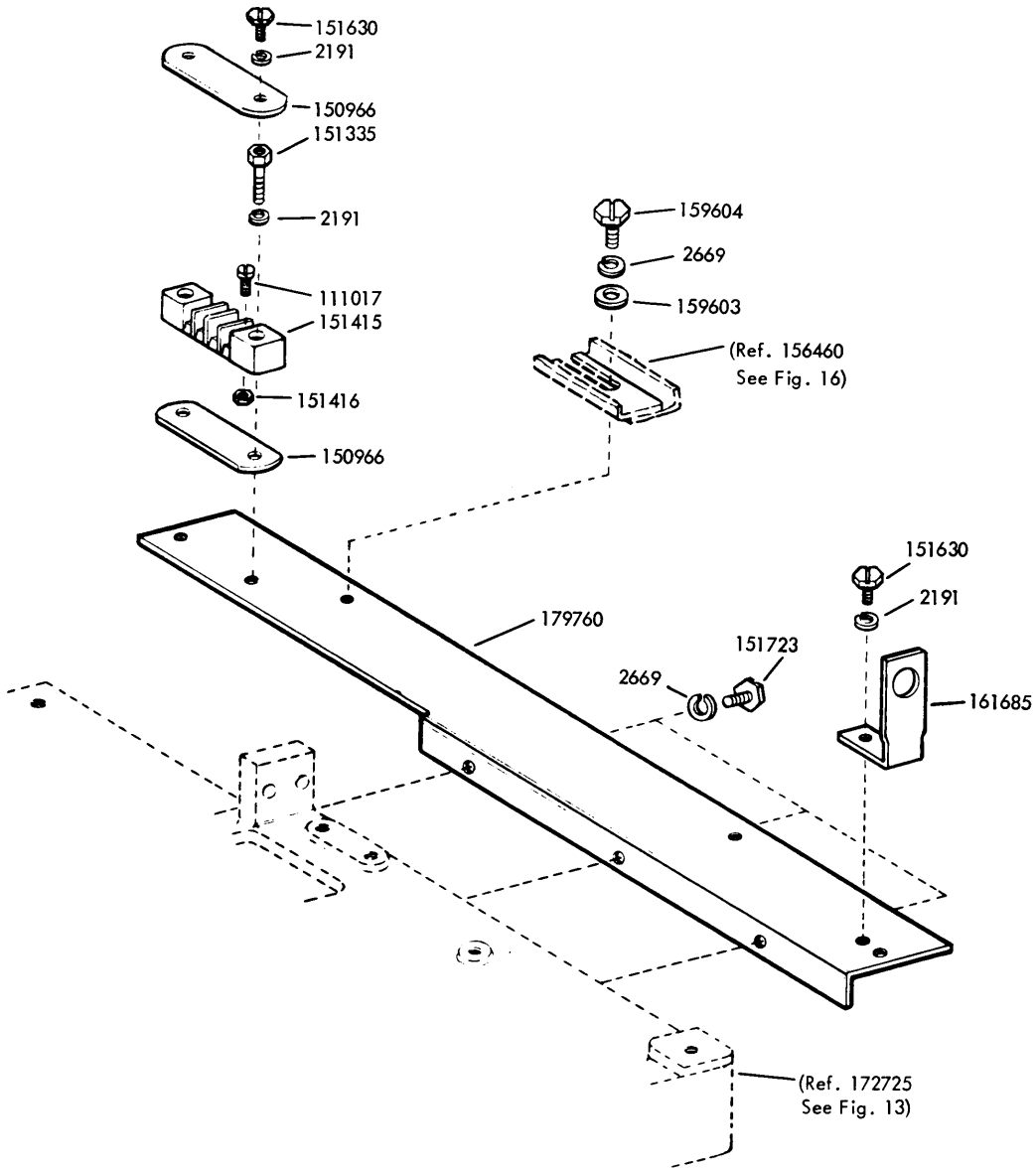


FIGURE 15. TAPE CONTAINER BRACKET AND TERMINAL BLOCK

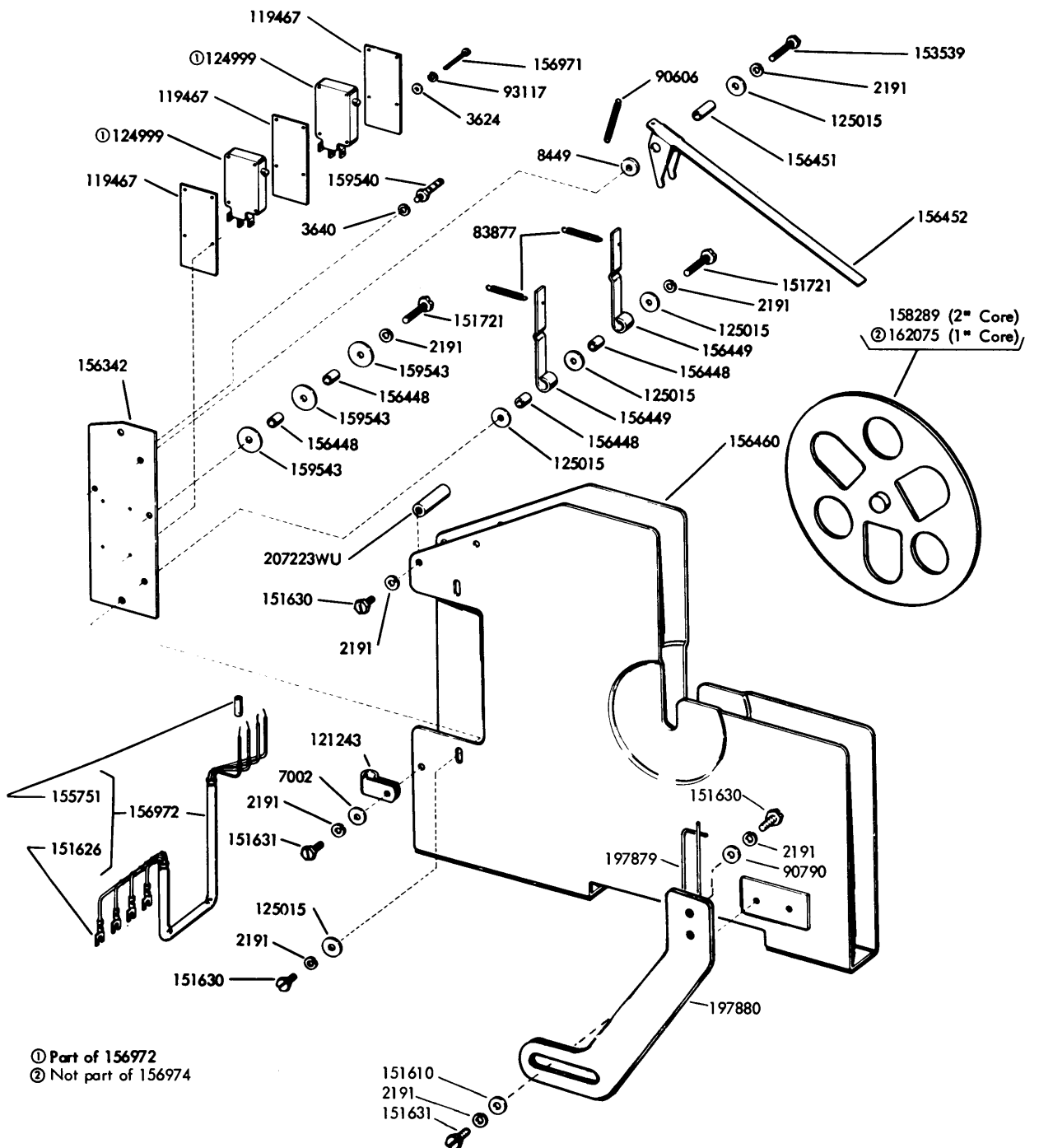


FIGURE 16. 156974 TAPE CONTAINER ASSEMBLY

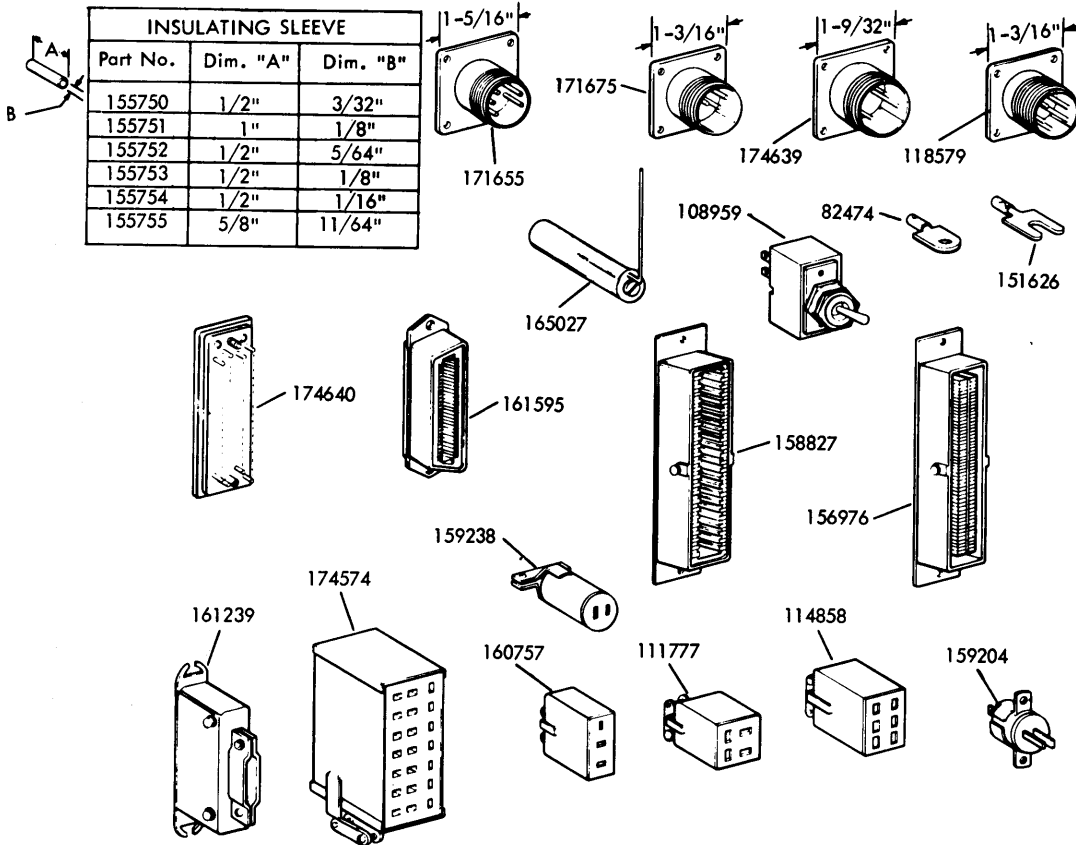


FIGURE 17. CABLE COMPONENTS

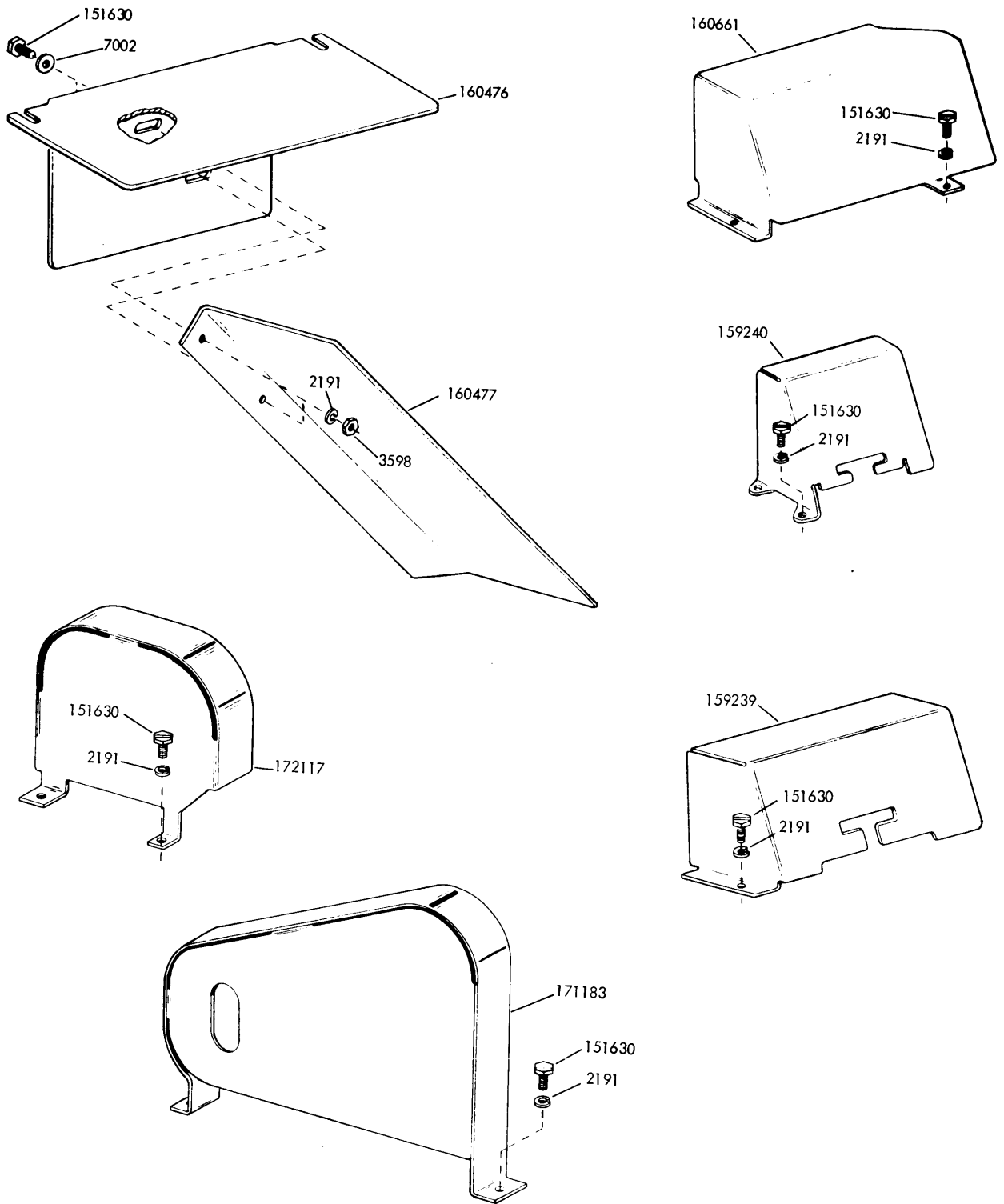


FIGURE 18. COVERS

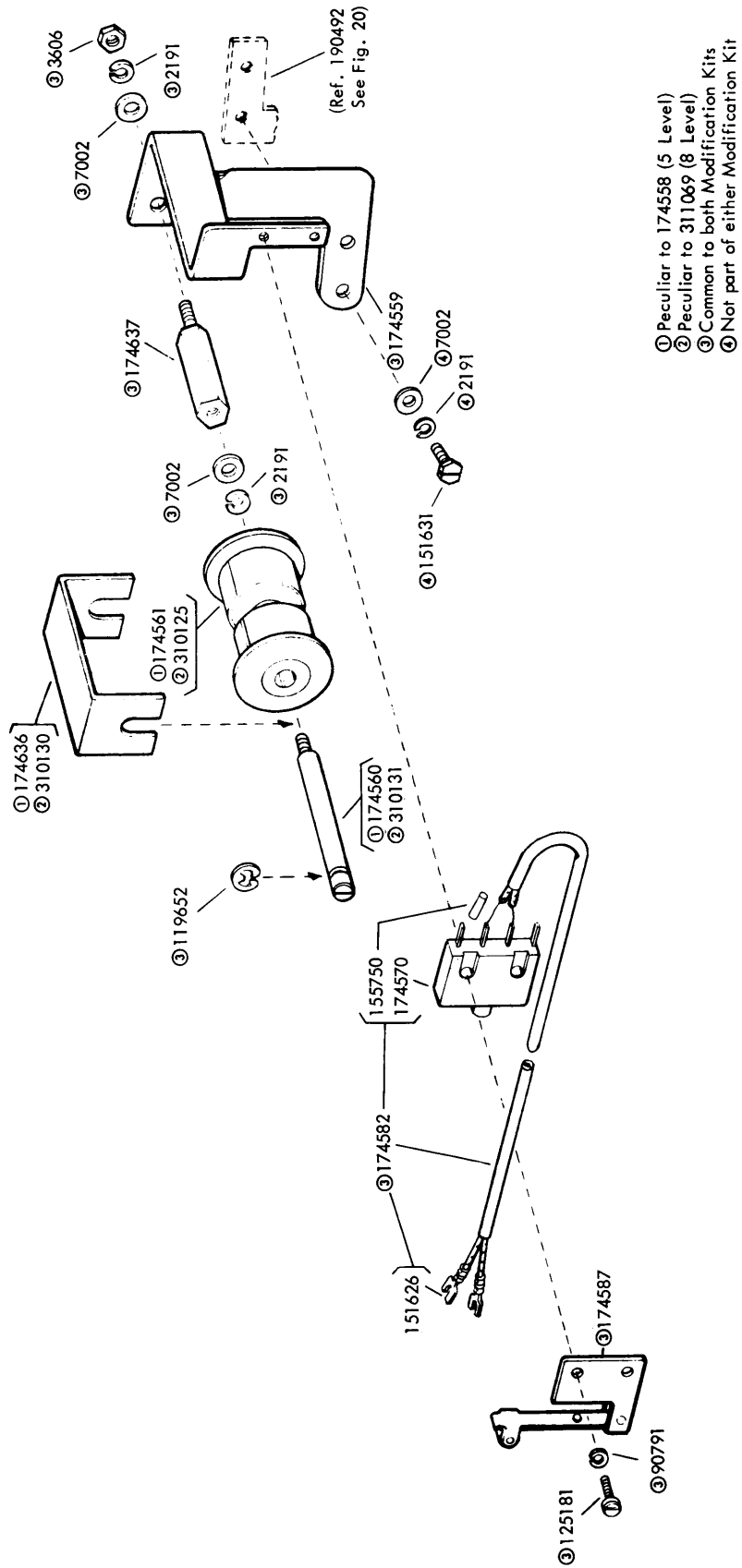


FIGURE 19. 174558 AND 311069 MODIFICATION KITS TO PROVIDE TAPE-CUT CONTACTS AHEAD OF REPERFORMER USED ON THE H/L RT SET

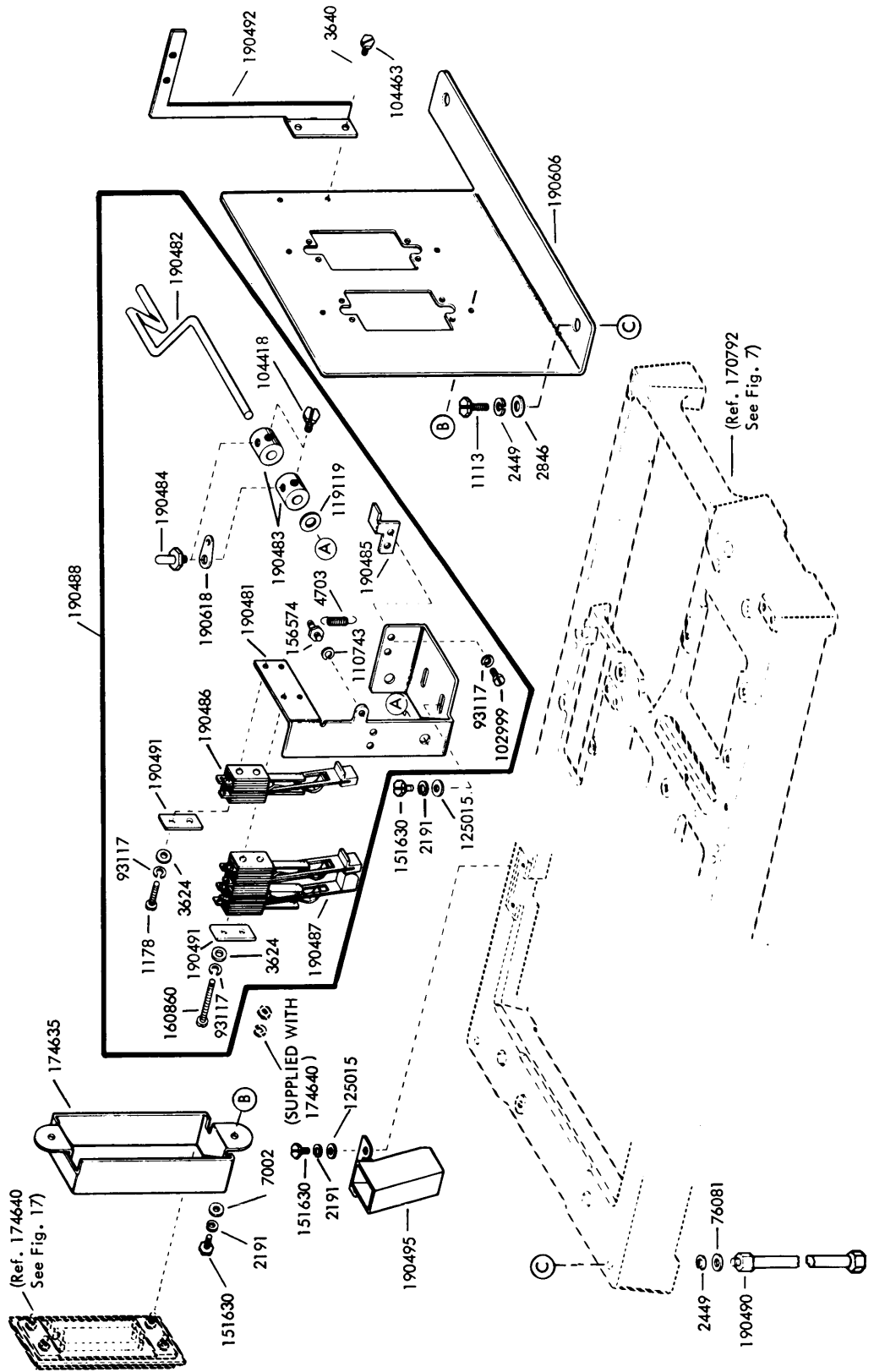


FIGURE 20. BASE (DRPE MOUNTING)

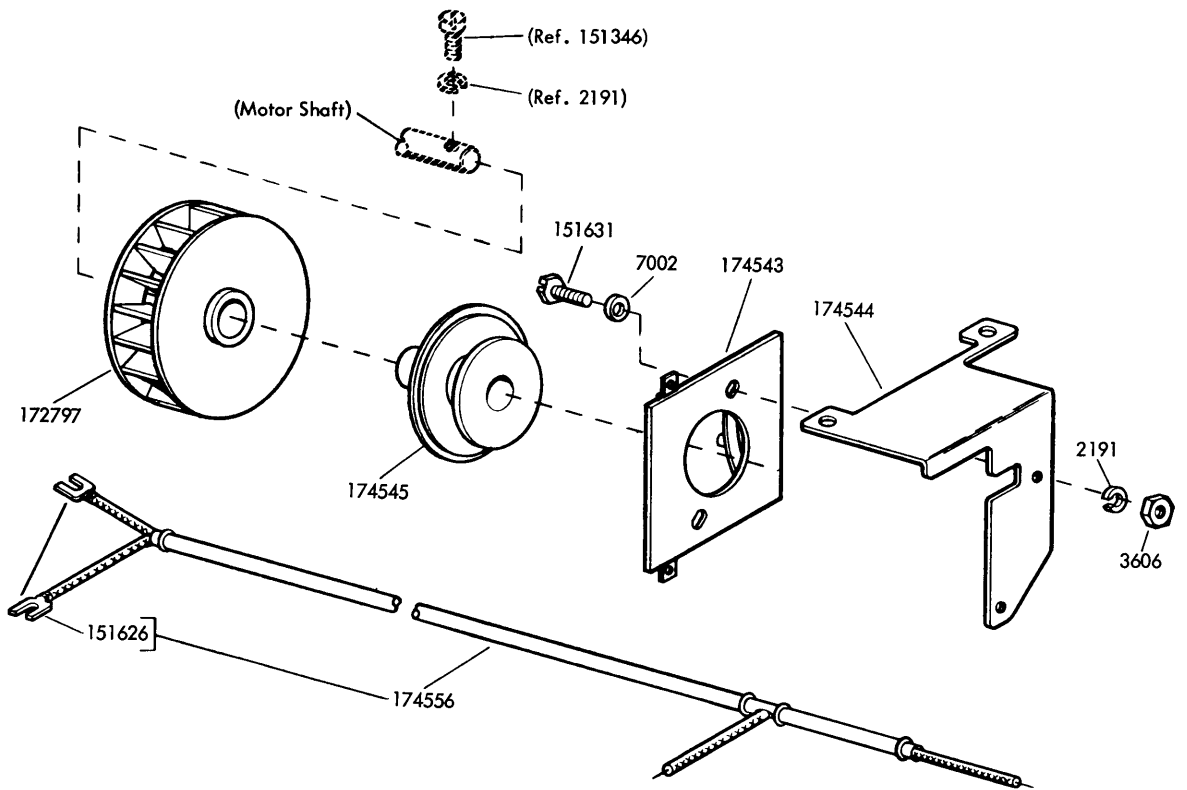


FIGURE 22. 174546 MODIFICATION KIT TO PROVIDE MOTOR "RUNNING" CONTACTS

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1113	Screw (1/4-20 x 7/8 Hex) 11, 21	104463	Screw (4-40 x 1/4 Hex) 21	142966	Resistor (25 Ohm) 8
1156	Screw (2-56 x 9/16 Fil) 13	104807	Washer, Flat 11	143053	Hub 10
1163	Screw (4-40 x 3/16 Fil) 2, 14	106047	Screw (1/4-32 x 1/2 Hex) 8	146951	Gear Set (100 WPM) 5
1178	Screw (2-56 x 7/16 Fil) 21	106058	Block, Terminal 10	146953	Gear Set (60 WPM) 5
1268	Screw (6-40 x 5/16 Flat) 9	108950	Bushing 8	146954	Gear Set (75 WPM) 5
1298	Screw (8-32 x 1/4 Fil) 9	108959	Switch, Toggle (DP-ST) 18	146960	Gear (29T) 5
2034	Washer, Flat 2, 8	110743	Washer, Lock 2, 3, 4, 6, 7, 8, 10, 14, 15, 21, 22	146961	Gear (69T) 5
2191	Washer, L ck 2 to 17, 19 to 23	111017	Screw (6-40 x 5/16 Fil) 2, 9, 11, 15, 16	146962	Gear (42T) 5
2254	Washer, Flat 9	111535	Panel, Tape Container 13	146963	Gear (80T) 5
2422	Washer, L ck 13	111536	Block, Mounting 13	146964	Gear (48T) 5
2449	Washer, Lock 2, 5, 8, 11, 14, 21	111537	Post 13	146965	Gear (70T) 5
2539	Nut (3/8-32 Hex) 10	111777	Connector, Receptacle (4 Pt) 18	150089	Screw (4-40 x 1/2 Fil) 3
2669	Washer, L ck 2, 3, 8, 9, 10, 11, 13, 14, 16	112626	Nut (10-32 Hex) 3	150411	Washer, Flat 9
2846	Washer, Flat 11, 21	113038	Bushing 8	150948	Plate, Identification (Teletype) 8
3438	Washer, Flat 2, 11, 13, 14	114125	Screw (6-40 x 3/8 Hex) 3	150949	Plate, Serial 8
3595	Nut (1/4-32 Hex) 5	114467	Connector, Plug (2 Pt) 2	150950	Plate, Code 8
3598	Nut (6-40 Hex) 9, 19	114858	Connector, Receptacle (6 Pt) 18	150952	Eccentric 2, 14
3606	Nut (6-40 H x) 2, 3, 4, 6, 7, 12, 20, 22, 23	116785	Fuse (.3 Amp) 14	150966	Insulator (1-4) 2, 9, 16
3624	Washer, Flat 13, 17, 21	117535	Washer, Flat 2, 10, 14	150982	Screw (4-40 x 7/16 Fil) 8
3640	Washer, L ck 3, 4, 8, 9, 11, 17, 21	118511	Fuse (.125 Amp) 14	151113	Strip, Mounting 14
3646	Washer, L ck 9, 10	118579	Connector, Receptacle (5 Pt) 18	151152	Screw (4-40 x 3/16 Hex) 8, 15
4703	Spring 21	119119	Washer, Spacing 21	151335	Stud 2, 9, 11, 15, 16
5740	Screw (2-56 x 1/4 Fil) 10	119242	Post, Spring 8	151346	Screw (6-40 x 3/8 Fil) 2, 3, 4, 6, 7, 9, 14, 22
7002	Washer, Flat 2, 3, 4, 6, 7, 8, 9, 11, 12, 14, 15, 17, 19, 20, 21, 22, 23	119376	Washer, Flat 10	151411	Block, Terminal 11
7615	Spring 8	119467	Insulator (.032" Thk) 13, 17	151412	Insulator (1-9) 11
8330	Washer, Flat 2	119649	Ring, Retaining 8	151415	Block, Terminal 2, 9, 16
8449	Spacer (.094" Thk) 17	119651	Ring, Retaining 3	151416	Nut (6-40 Hex) 2, 9, 11, 15, 16
41732	Plate, Clamp 8	119652	Ring, Retaining 2, 3, 12, 20	151442	Screw (6-40 x 1/2 Hex) 3, 4, 6, 7, 10, 15, 22
45026	Screw, Shoulder (3-48) 9, 10	119655	Ring, Retaining 6, 7, 22	151606	Screw (10-32 x 1/4 Hex) 10
55063	Spring 13	119658	Ring, Retaining 6	151610	Washer, Flat 17
70073	Nut (3-48 H x) 9	120175	Plate (ON-OFF) 2, 14	151618	Screw (6-40 x 7/16 Fil) 3, 4
70886	Washer, Flat 5	121242	Clamp, Cable (1/8" ID) 2	151626	Terminal 12, 17, 18, 20, 23
73175	Washer, L ck 10	121243	Clamp, Cable (3/16" ID) 2, 17	151630	Screw (6-40 x 1/4 Hex) 2, 3, 4, 6, 7, 8, 9, 11, 14, 15, 16, 17, 19, 21, 22
74692	Post, Spring 13	121244	Clamp, Cable (1/4" ID) 9	151631	Screw (6-40 x 5/16 Hex) 2, 8, 9, 10, 12, 14, 15, 17, 20, 23
74728	Terminal, Contact 8	121245	Clamp, Cable (5/16" ID) 2, 8, 9	151632	Screw (6-40 x 3/8 Hex) 2, 4, 6, 7, 9, 12, 14, 15, 22
74805	Screw (10-32 x 3/4 Hex) 2, 14	121246	Clamp, Cable (3/8" ID) 14	151657	Screw (6-40 x 1/4 Fil) 2, 3, 4, 5, 12, 13
75750	Washer, Insulating 9	121247	Clamp, Cable (7/16" ID) 2	151658	Screw (6-40 x 5/16 Fil) 3, 4, 6, 7, 15, 22
76081	Washer, Flat 8, 21	121248	Clamp, Cable (1/2" ID) 8	151660	Screw (6-40 x 7/8 Fil) 2
76099	Washer, Flat 15	121249	Clamp, Cable (5/8" ID) 11, 14	151688	Screw (4-40 x 5/8 Fil) 2
76279	Screw (1/4-32 x 5/8 Hex) 14	123814	Lever, Tape-Out 13	151692	Screw (6-40 x 3/8 Fil) 2
76492	Bearing, Ball 15	123849	Block Assembly, Mounting 13	151721	Screw (6-40 x 3/4 Hex) 17
77902	Screw (6-40 x 2-3/8 Rd) 9	123852	Block Assembly, Left Mounting 13	151722	Screw (6-40 x 3/16 Hex) 6, 7, 9, 22
78596	Washer, Friction 7, 22	123853	Pin 13	151723	Screw (10-32 x 3/8 Hex) 8, 11, 16
81836	Washer, Insulating 9	123910	Container Assembly, Tape 13	151724	Screw (10-32 x 5/8 Hex) 13
82474	Terminal 14, 18	124177	Washer, Lock 3	151732	Screw (4-40 x 11/32 Fil) 3, 4
82547	Insulator (.094" Thk) 8	124184	Block 13	151733	Screw (4-40 x 9/16 Fil) 14
82548	Insulator (.062" Thk) 8	124993	Switch, Sensitive 13	151827	Strap, Terminal 2, 9
83856	Screw (4-40 x 11/16 Fil) 8	124999	Switch, Sensitive 17	152887	Screw (4-40 x 1/2 Hex) 9, 15
83877	Spring 17	125005	Screw (2-56 x 3/16 Rd) 8	152888	Screw (4-40 x 7/16 Hex) 6, 7, 22
86850	Screw (10-32 x 1-1/4 Fil) 2, 10, 14	125015	Washer, Flat 2, 3, 4, 6, 7, 9, 10, 14, 15, 17, 21, 22	152893	Screw (4-40 x 1/4 Hex) 10, 11, 22
90606	Spring 17	125181	Screw (2-56 x 3/8 Fil) 12, 20	153442	Screw (10-32 x 1/2 Hex) 14
90790	Washer, Flat 17	125237	Spring, Compression 3	153537	Screw (6-40 x 9/32 Hex) 15
90791	Washer, Lock 12, 20	125357	Ring, Retaining 6	153539	Screw (6-40 x 11/16 Hex) 17
92260	Washer, Lock 3, 4	125733	Washer, Flat 6, 7, 22	153631	Network, Spark Suppression 9
93117	Washer, Lock 10, 17, 21	128357	Ring, Retaining 7, 22	153799	Screw (4-40 x 21/64 Hex) 8, 9
94540	Screw, S t (10-24) 15	129852	Resistor (2200 Ohm) 9		
101965	Connector, Plug (3 Pt) 14	130499	Bearing, Ball 3, 4, 6, 7, 22		
102202	Foot 14	130892	Washer, Flat 3		
102257	Post 14	135637	Resistor (25 Ohm) 9		
102999	Screw (2-56 x 5/32 Fil) 21	142809	Clamp, Bearing 10		
104418	Screw (4-40 x 5/32 Hex) 21	142955	Bracket, Left Rear 10		
		142964	Board, Terminal 8, 9		
		142965	Board, Terminal 8, 9		

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
153819	Washer, Lock 9, 10	158742	Plate, Locating 3	170769	Gear (32T) 5
153841	Screw (6-40 x 9/16 Hex) 3, 4	158743	Plate 2	170770	Gear (56T) 5
154661	Diode 8	158744	Arm 2	170772	Block 8
155750	Sleeve, Insulating (3/32 ID x 1/2" Lg) 18, 20	158745	Clamp, Bearing 6, 7, 22	170792	Base 8
155751	Sleeve, Insulating (1/8 ID x 1" Lg) 14, 17, 18	158746	Bracket 3	170794	Gear (40T) 7
155752	Sleeve, Insulating (5/64 ID x 1/2" Lg) 18	158748	Bracket 6, 7, 22	170795	Shaft W/Bearings & Gear 7
155753	Sleeve, Insulating (1/8 ID x 1/2" Lg) 18	158749	Post 3	170802	Post 8, 9
155754	Sleeve, Insulating (1/16 ID x 1/2" Lg) 18	158750	Shim (.003" Thk) 6, 7, 22	170805	Coupling, Flexible 10
155755	Sleeve, Insulating (11/64 ID x 5/8" Lg) 18	158827	Connector, Receptacle (32 Pt) 18	170806	Bracket Assembly 7
156226	Hub 4, 6	158828	Bushing, Mounting 10	170815	Pulley (3-21/64") 7
156342	Plate 17	159104	Bracket Assembly, Tape Winder Drive 6	170834	Chute, Chad 8
156448	Bushing 17	159110	Guide Assembly, Front Tape 2	170863	Mount, Vibration 9
156449	Lever, Switch 17	159111	Guide Assembly, Rear Tape 2	170867	Bracket 8
156451	Bushing 17	159204	Connector, Plug (2 Pt) 18	170869	Guide Assembly, Front Tape 2
156452	Lever, Tape 17	159230	Base 2	170871	Gear (35T) 5
156460	Panel 17	159231	Hub, Gear 3, 4, 6, 7, 22	170872	Gear (80T) 5
156574	Post, Spring 21	159232	Screw, Captive (1/4-20) 2, 8	170881	Spring, Contact 8
156588	Ring, Retaining 3, 4, 6, 7, 22	159233	Stud 2, 14	170885	Contact Assembly 8
156740	Screw (6-40 x 7/32 Hex) 9	159238	Connector, Receptacle (2 Pt) 18	170886	Contact Assembly 8
156768	Screw (8-32 x 9/32 Hex) 10	159239	Cover, Gear 19	170887	Spring, Contact 8
156887	Screw (10-32 x 9/16 Hex) 10	159240	Cover, Gear 19	170888	Spring, Contact 8
156971	Screw (2-56 x 3/4 Fil) 17	159242	Screw, Shoulder (6-40) 2	170889	Chute, Tape 8
156972	Cable Assembly 17	159287	Retainer, Pinion 14	170891	Bracket 4
156974	Container Assembly, Tape 17	159341	Bearing, Ball 5	170975	Chute, Chad 9
156976	Connector, Plug (32 Pt) 18	159540	Post, Spring 17	170981	Shaft 5
158250	Block, Terminal 15	159543	Washer, Flat 17	170990	Shaft W/Bearings & Gear 4
158252	Insulator (1-6) 15	159603	Washer, Captive 16	171168	Bracket 8
158289	Reel, Tape 13, 17	159604	Screw (10-32 x 1/2 Hex) 16	171169	Bracket 8
158700	Gear (30T) 3, 4	159610	Mount, Vibration 8, 9	171170	Bracket 8
158702	Gear (40T) 6	159819	Connector, Plug (32 Pt) 2	171171	Bail W/Depressor, Tape 8
158703	Gear (24T) 3, 4	159820	Connector, Receptacle (32 Pt) 2	171173	Shaft 8
158704	Hub 5	160476	Cover 19	171174	Bracket 8
158705	Shaft, Tape Winder 6, 7, 22	160477	Shield 19	171175	Bearing, Ball 10
158710	Gear (14T) 6	160657	Bracket 4	171176	Plate, Base 8
158711	Shaft W/Bearings 6	160658	Shaft W/Bearing & Gear 3, 4	171177	Plate, Nut 8
158712	Gear (26T) 3, 4	160660	Gear (27T) 4	171183	Cover 19
158713	Shaft W/Bearings 3, 4	160661	Cover 19	171187	Bracket 2
158714	Gear (42T) 6	160757	Connector, Receptacle (3 Pt) 18	171188	Bracket 16
158716	Gear (39T) 3, 4	160860	Screw (2-56 x 7/8 Fil) 21	171194	Bracket W/Bearing 10
158717	Bracket 2, 12	161239	Connector, Plug (36 Pt) 18	171195	Post 9
158718	Bracket 2	161301	Post 14	171196	Rail, Left 9
158719	Shaft 2, 12	161552	Screw (10-32 Spl) 8, 9	171197	Rail, Right 9
158720	Roller 2, 12	161595	Connector, Receptacle (36 Pt) 18	171198	Plate, Bas 9
158721	Pulley 6	161685	Bracket, Switch 16	171199	Chute, Tape 9
158722	Hub 4	162075	Reel, Tape 17	171205	Bracket, Connector Mounting 9
158723	Roller 3	163258	Gear (47T) 3	171469	Resistor (100 Ohm) 9
158724	Stud 3	163259	Plate, Locating 3	171541	Diode 9
158725	Arm 3	163261	Gear (22T) 3	171655	Connector, Plug (5 Pt) 18
158727	Post 3	163262	Gear (49T) 3	171675	Connector, Plug (3 Pt) 11, 18
158728	Shaft W/Bearing 4	163263	Roller 3	171694	Shaft 10
158729	Stud 3	163265	Block 3	171695	Gear Set 5
158732	Gear (24T & 18T) 3, 4	163357	Shaft W/Bearing & Gear 3	171696	Gear Set 5
158733	Gear (44T) 3, 4	163469	Plate, Locating 3	171697	Gear Set 5
158734	Gear (47T) 3, 4	163470	Gear (34T) 3	171705	Guard, Gear 9
158735	Post 2, 8	163471	Gear (24T) 3	171836	Hub 5
158736	Nut, Cap (6-40) 3	163472	Gear (42T) 3	171837	Hub 7, 22
158737	Shaft W/Bearing 3	163473	Gear (26T & 20T) 3	171838	Hub (28T) 7, 14, 22
158738	Spacer (.032" Thk) 3	163474	Gear (60T) 3	171840	Gear (84T) 5
158739	Disk (.050") 3	163475	Gear (34T) 3	171841	Gear (84T) 7, 15, 22
158740	Block (3/8") 3	165027	Network, Spark Suppression 8, 18	172117	Cover 19
158741	Bar 3	170765	Bracket, Connector 10	172628	Gear (19T) 3, 4
		170767	Gear (28T) 5	172630	Gear (24T) 4
		170768	Gear (80T) 5	172666	Plate 2
				172724	Bracket 14
				172725	Base 14
				172784	Bracket 3
				172785	Shaft 15

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Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
172786	Shaft 15	174546	Modification Kit 23	190482	Arm, Tape 21
172787	Plate 15	174547	Plate, Base 9	190483	Collar 21
172788	Coupling W/Set Screw 15	174556	Cable W/Terminals 23	190484	Post 21
172789	Clamp, Bearing 15	174558	Modification Kit 20	190485	Bracket, Stop 21
172790	Clamp, Bearing 15	174559	Bracket 20	190486	Switch 21
172797	Fan 23	174560	Stud 20	190487	Switch 21
172871	Shaft W/Bearings & Gear 3	174561	Roller 12, 20	190488	Contact Assembly, Tight Tape 21
172873	Bracket 15	174562	Plate 9	190490	Post 8, 21
172874	Shaft W/Bearing 15	174563	Modification Kit 12	190491	Spacer (.042" Thk) 21
172875	Hub 15	174564	Bracket 12	190492	Bracket, Tape Guide 21
172876	Clamp 15	174565	Stud 12	190495	Chute, Chad 21
172877	Clamp 15	174566	Bracket 12	190523	Pulley, "V" 22
172878	Plate 14	174570	Switch 12, 20	190531	Gear (40T) 22
172892	Plate, Locating 3	174573	Plate, Connector 11	190534	Hub 22
172894	Cover, Gear 14	174574	Connector, Plug (21 Pt) 18	190535	Shaft W/Gear 22
172895	Cover, Gear 14	174582	Cable Assembly 20	190540	Bracket Assembly 22
172896	Bracket 15	174583	Cable Assembly 12	190586	Disk, Retaining 22
172905	Gear (34T) 3, 4	174587	Actuator, Switch 12, 20	190606	Plate, Rear Connector 21
172906	Gear (34T) 3, 4	174595	Block W/Insulator, Terminal 9	190618	Terminal, 21
172907	Spacer (.125" Thk) 3	174635	Shield, Connector 11, 21	193147	Capacitor (.25 MFD) 9
172954	Plate, Base 14	174636	Bracket, Tape Guide 20	193270	Plate, Base 9
172958	Chute, Tape 14	174637	Spacer 20	197498	Board Assembly, Terminal 9
173201	Cable Assembly 14	174639	Connector, Receptacle (3 Pt) 18	197879	Guide, Tape 17
173361	Jumper (5-1/2" Lg) 15	174640	Connector, Receptacle (50 Pt) 11, 18, 21	197880	Bracket, Tape Guide 17
173692	Pinion (30T) 3	175185	Screw (6-40 x 4-1/2 Rd) 9	207223WU	Spacer (.937" Thk) 17
173693	Gear (42T) 3	176244	Bracket W/Arm 2	310123	Base 8
173696	Gear (45T) 4	176245	Guide Assembly, Rear Tape 2	310124	Chute, Tape 9
173702	Plate, Locating 3	177445	Diode 9	310125	Roller 12, 20
174022	Bracket, Mounting 13	178396	Bracket 3, 4	310126	Stud 12
174094	Resistor (25 Ohm) 9	179059	Chute, Tape 2	310130	Bracket, Tape Guide 20
174324	Shield, Oil 6, 22	179760	Bracket 16	310131	Stud 20
174543	Switch 23	179980	Plate, Locating 3	311069	Modification Kit 20
174544	Bracket 23	190481	Bracket, Switch 21	311070	Modification Kit 12
174545	Rotor Assembly 23				

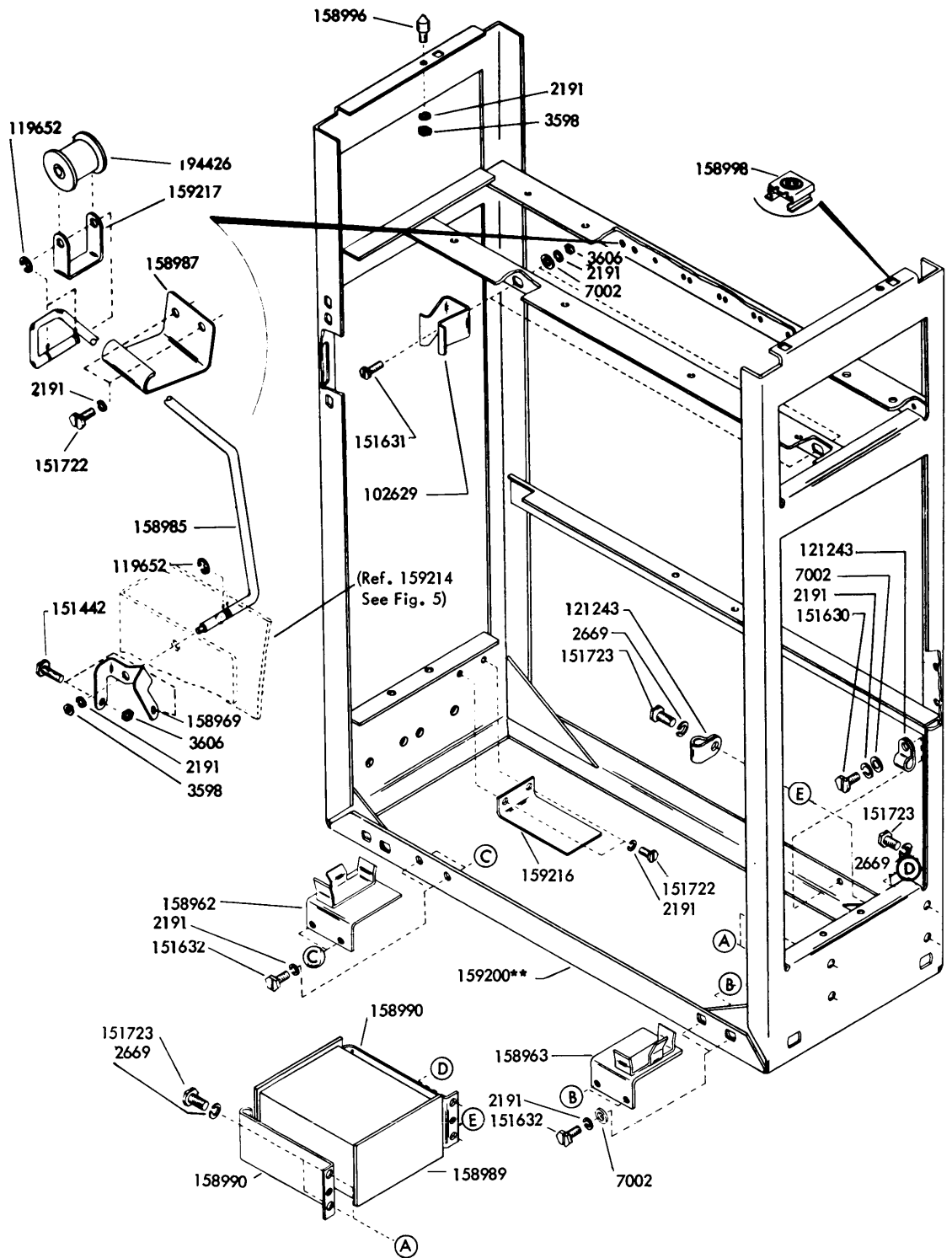
28 AND 35 TAPE HANDLING STAND (LTHS)

PARTS

PAINT FINISH COLOR CODE CHART												
(for parts and assemblies requiring a paint finish)												
Color	Finish Suffixes				Color	Finish Suffixes						
	Wrinkle Finish	Smooth Finish	Textured Vinyl	Smooth Vinyl		Wrinkle Finish	Smooth Finish	Textured Vinyl	Smooth Vinyl			
Beige	AA (37)	ET			Gray, Federal	AB (40)	BV	GG	HB (68)			
Beige, Light		EL			HC		Gray, Green			BK	GA (45)	HE
Beige, Rose		ER			Gray, Light		EJ			HF (46)		
Black		BA (34)			Gray, Covert		EW			GE		
Black, High Gloss		BB			Gray, Olive		AJ			BJ		
Black, Semi Gloss		EK			Gray, Maritime Deck							
Blue, Aqua		EC			Gray, Oxford		AB (40)			EP		
Blue, Brussels Light		ES			Green, Gray						BK	GA (45)
Blue, Medium		AD (38)					HG			Green, Moss	EN	HD
Brown, Dark										AC (39)		
Brown, Light	AL	BZ	GC	Pink, Rose	EU							
Fawn				GF	Turquoise		EV					
Gray, Beige				HA	White		EH					
Gray, Charcoal				GB	Yellow, Pastel		EG					

The double asterisk (**) denotes a painted part. Suffix to be applied following the part number. Number in parentheses indicates Bell System code.

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3	Tape Winder	5
4	Tape Winder (Continued)	6
5	Tape Winder (Continued)	7
6	160763**, 164598**, 179181** and 147897** Tape Storage Bin Assemblies (with Motor)	8
7	159202** Tape Storage Bin Assembly (without Motor)	9
8	159218 Latch Assembly	10
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10	170835 Tape Winder Assembly (High Speed)	12
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15	Front Plate Mechanism (High Speed)	17
16	Rear Plate	18
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18	176176 Modification Kit to Provide Belt Drive for Low Speed Tape Handling	20
19	174472 Modification Kit to Provide AC Lighting for LTHS Stand	21
20	174569 Modification Kit to Provide End-of-Tape Contacts on Tape Handling Stands	22
21	174626** and 190328** Tape Storage Bin Assemblies (with Motor)	23
22	174815 and 193230 Modification Kits to Provide 48V Power Supply	24
23	177035 Modification Kit to Provide Tape Bin Low Alarm	25
24	178234** Tape Storage Bin Assembly (with Motor)	26
25	Frame Mechanism	27
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27	190596 Tape Storage Bin Assembly	29
28	190594 Tape Supply Reel Assembly	30
29	190595 Tape Winder Reel Assembly	30
30	174855** Line Relay Modification Kit	31
31	190011** Open Line and Busy Line Modification Kit	32
32	194169 Modification Kit to Provide a Rigid Tape Path	33
	Numerical Index	34



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FIGURE 1. FRAME

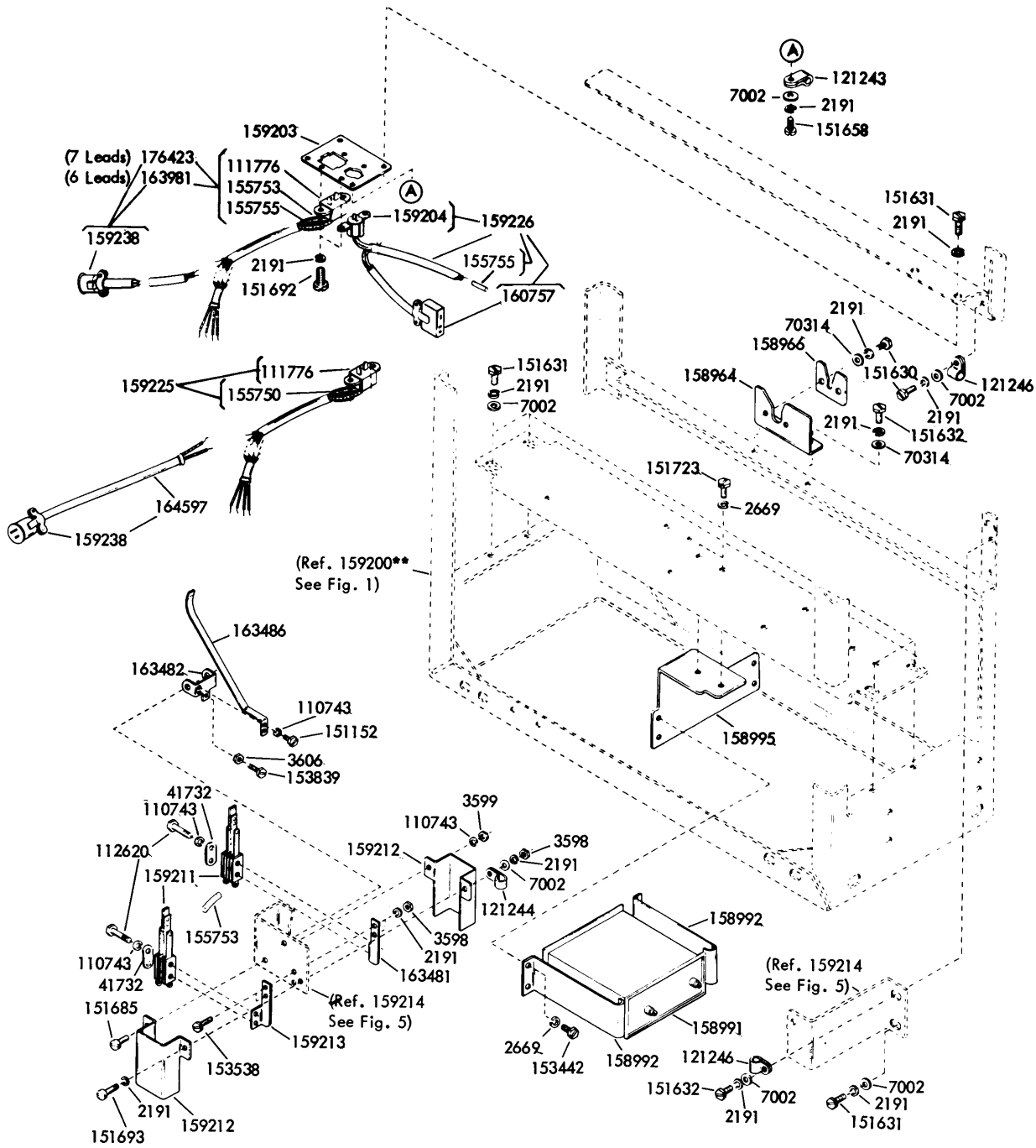


FIGURE 2. FRAME (Continued)

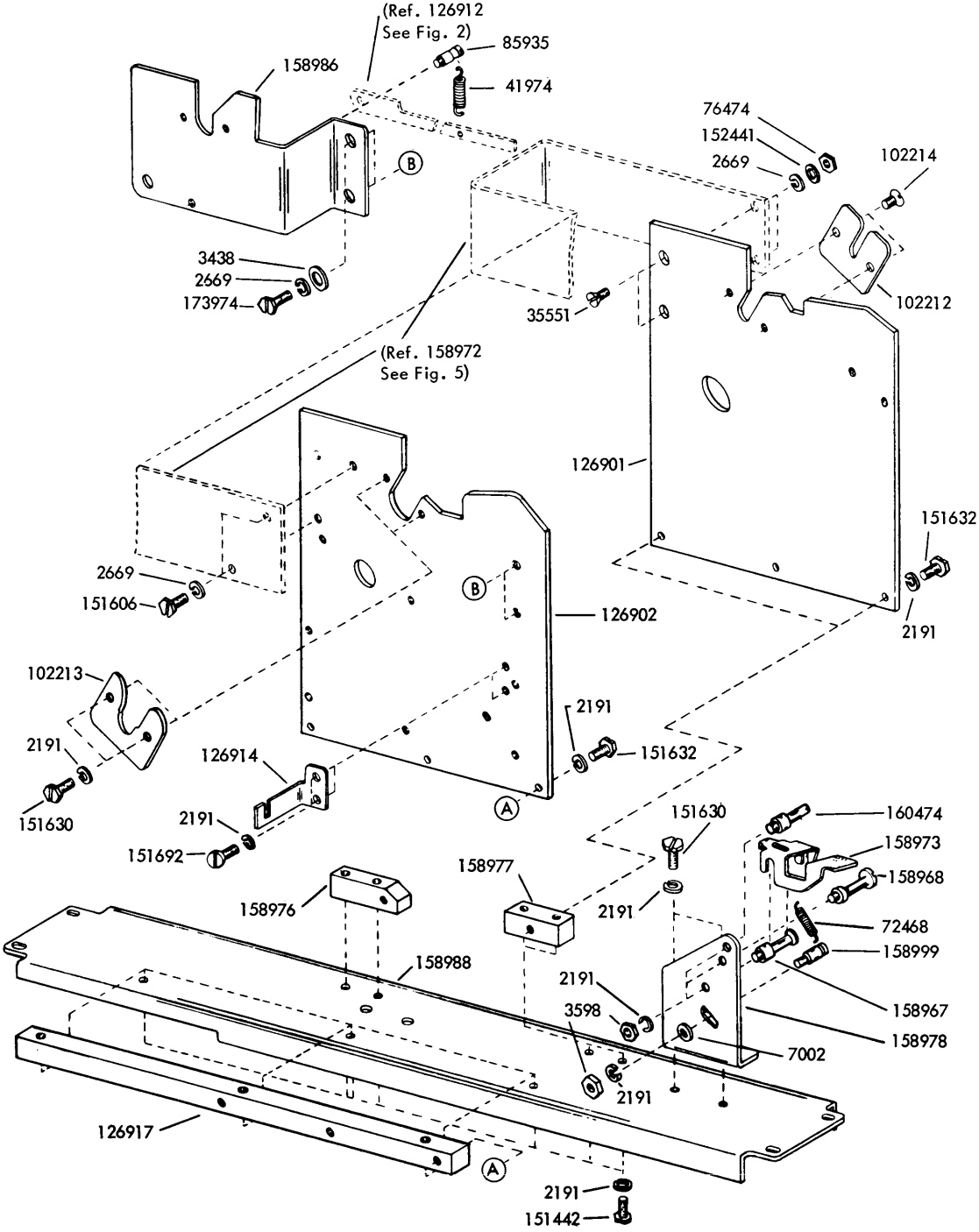


FIGURE 3. TAPE WINDER

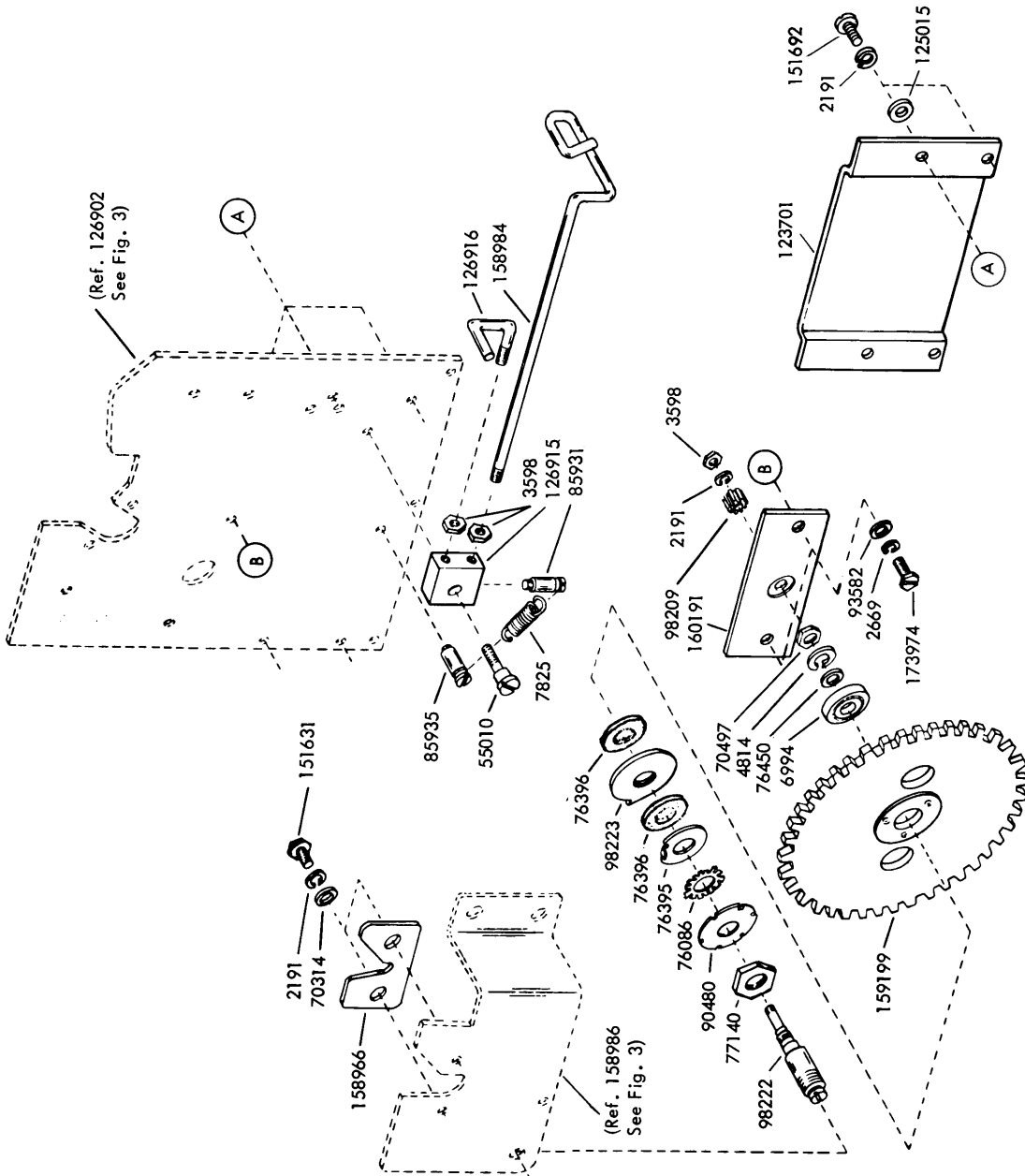


FIGURE 4. TAPE WINDER (Continued)

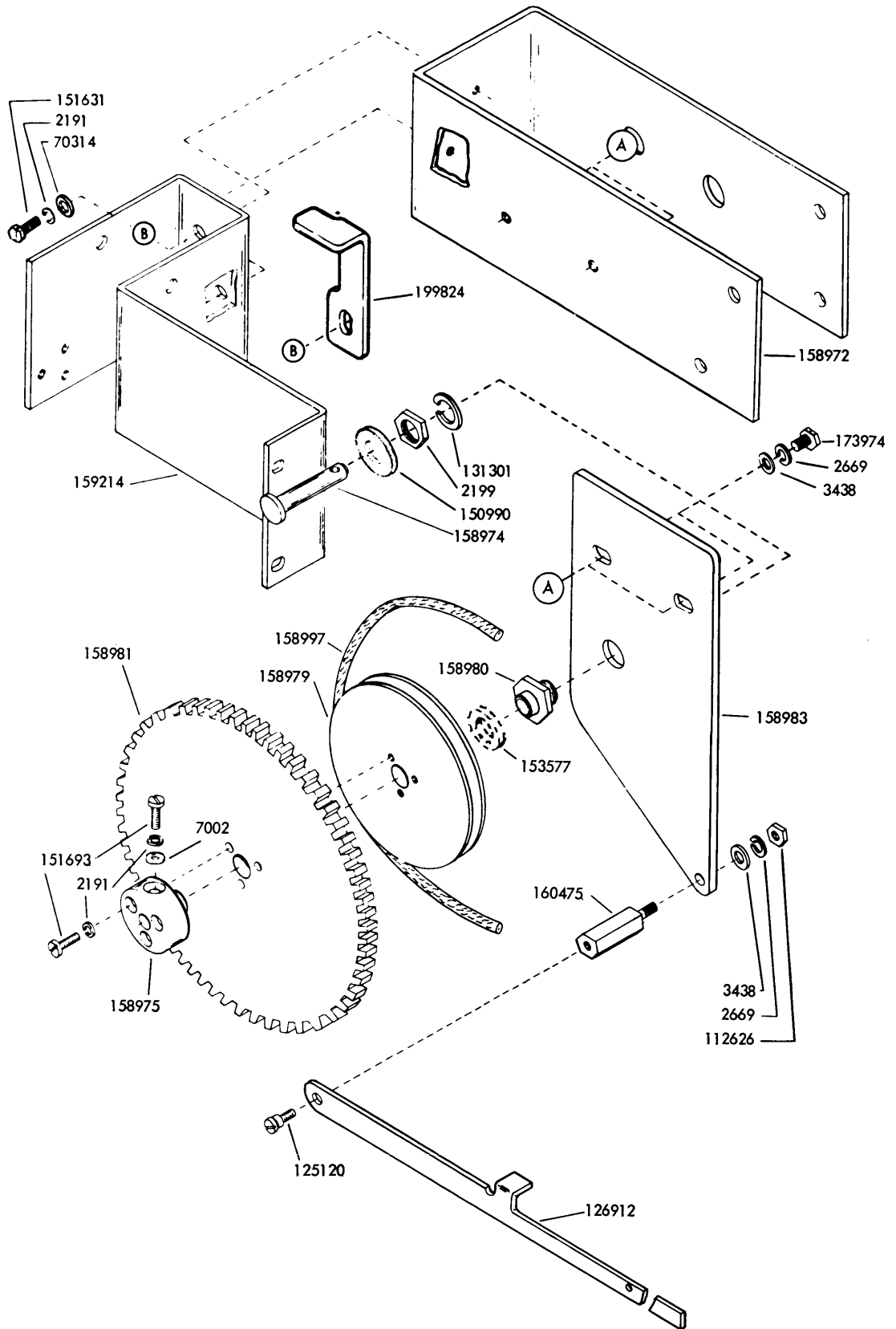
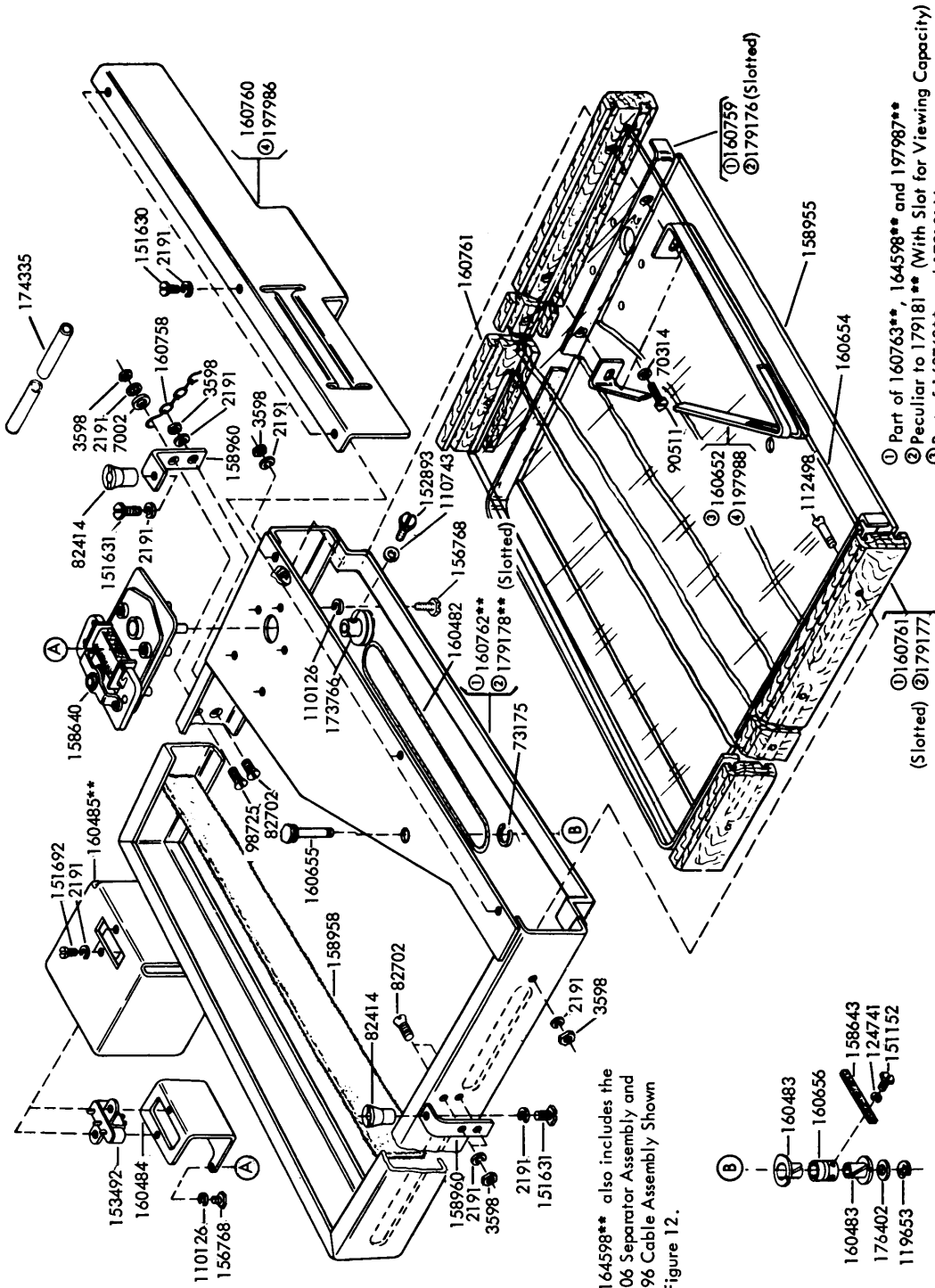


FIGURE 5. TAPE WINDER (Continued)



Note: The 164598** also includes the 163706 Separator Assembly and 164596 Cable Assembly Shown on Figure 12.

- ① Part of 160763**, 164598** and 197987**
- ② Peculiar to 179181** (With Slot for Viewing Capacity)
- ③ Part of 160763** and 179181**
- ④ Peculiar to 197987**

The 197897** also includes the 304898 Separator Assembly and 164596 Cable Assembly Shown on Figure 12.

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The 164598** Bin Assembly is equipped with a bin full alarm switch.
 The 179181** Bin Assembly is equipped with a slot for viewing the tape capacity without removal of the tape handling stand from the cabinet. The 160763** Bin Assembly has neither of these features.
 These bins are approximately 24-3/8" long by 14" wide, equipped with clear laminated glass and are for use only with chadless tape.

FIGURE 6. 160763**, 164598**, 179181** and 197987** TAPE STORAGE BIN ASSEMBLIES (WITH MOTOR)

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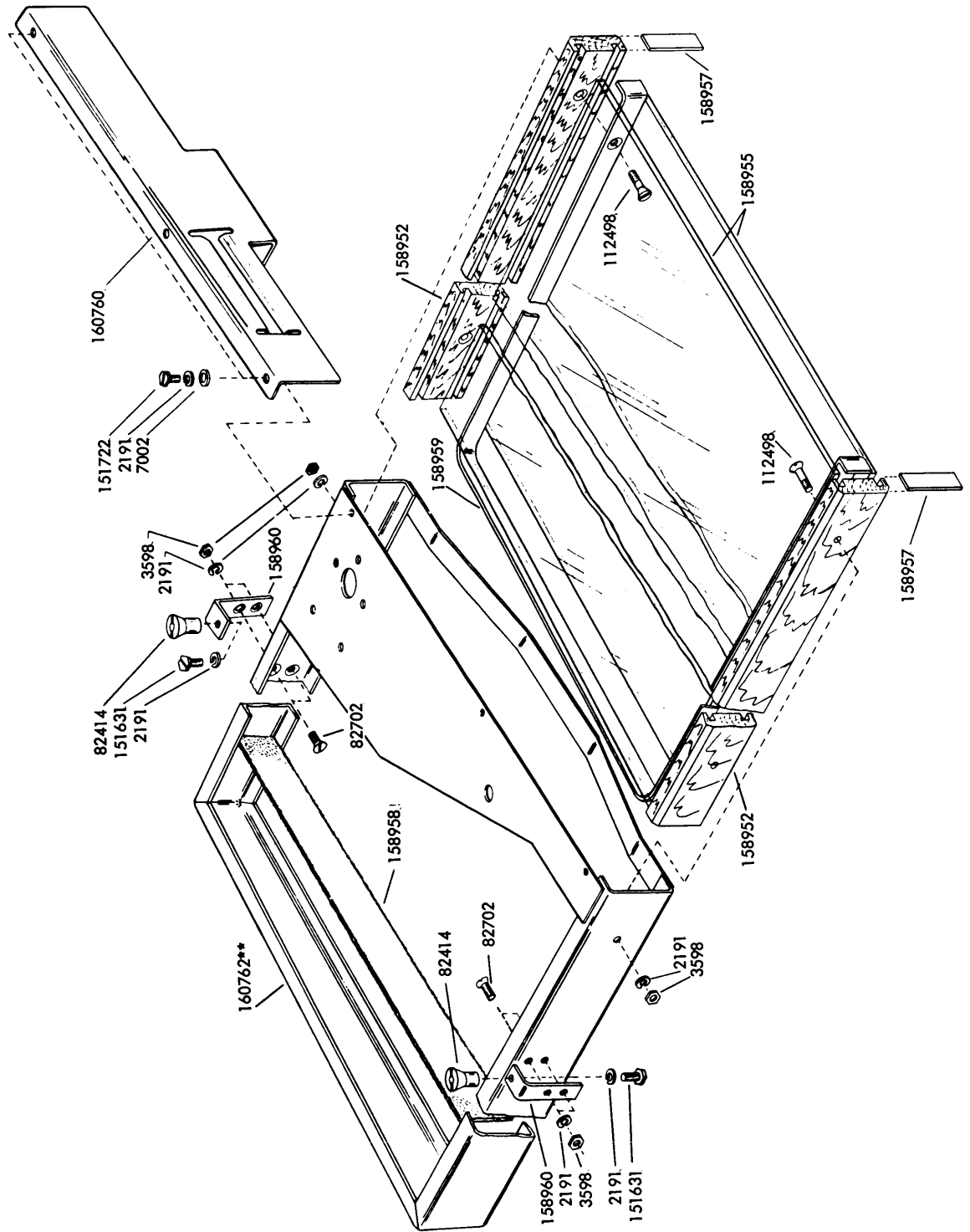


FIGURE 7. 159202** TAPE STORAGE BIN ASSEMBLY (WITHOUT MOTOR)

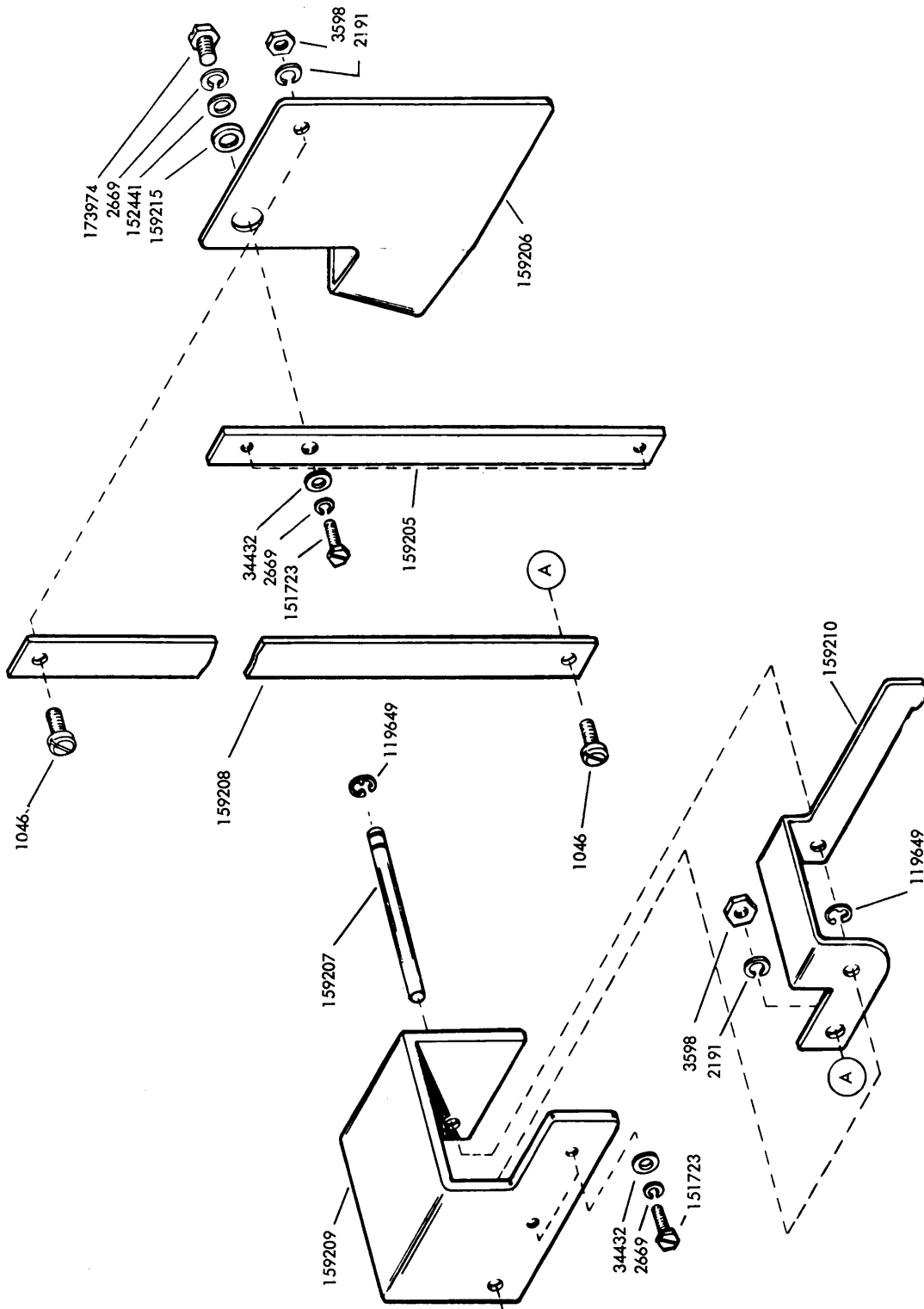


FIGURE 8. 159218 LATCH ASSEMBLY

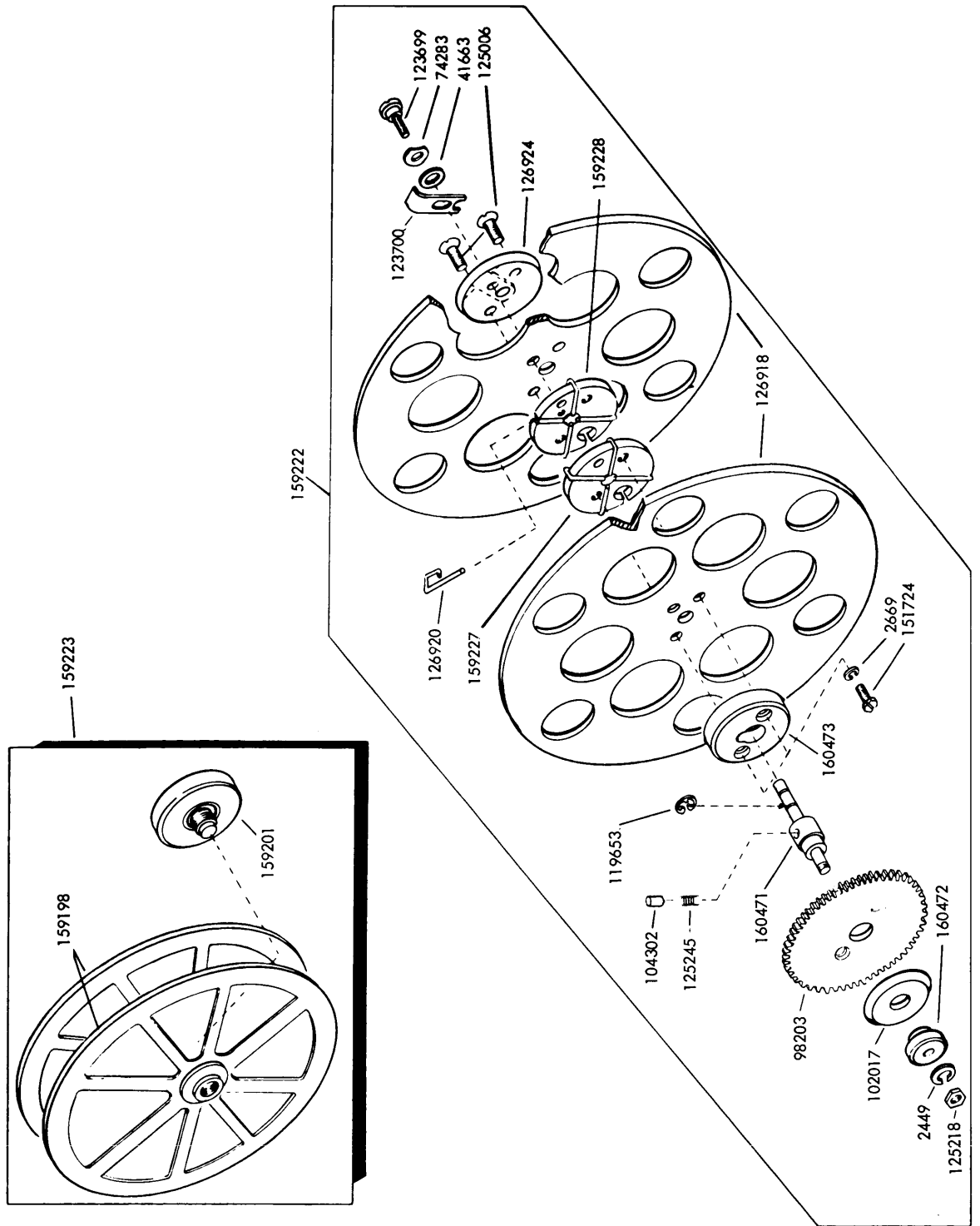


FIGURE 9. 159222 TAPE WINDER REEL ASSEMBLY AND 159223 TAPE SUPPLY REEL ASSEMBLY (LOW SPEED)

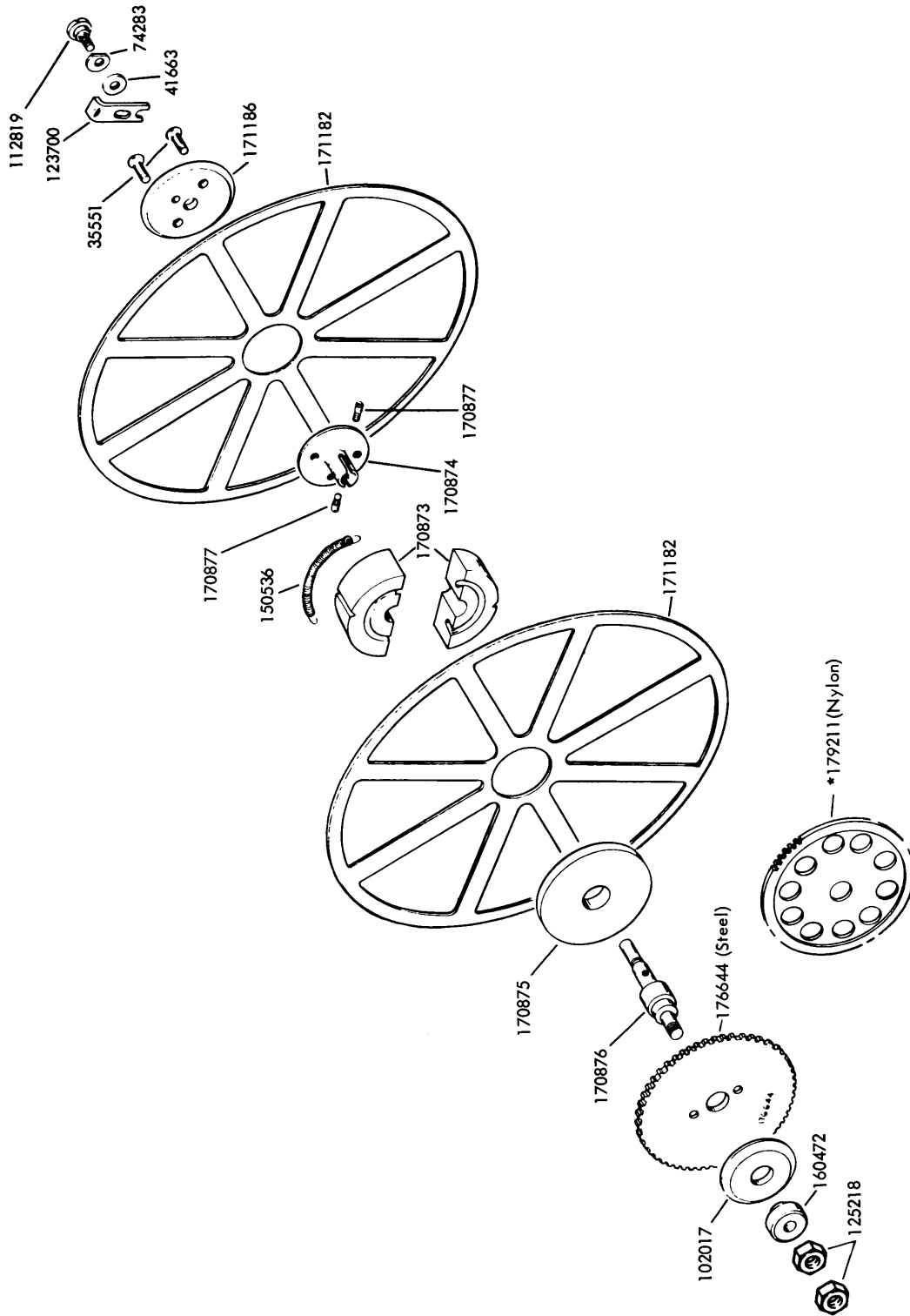
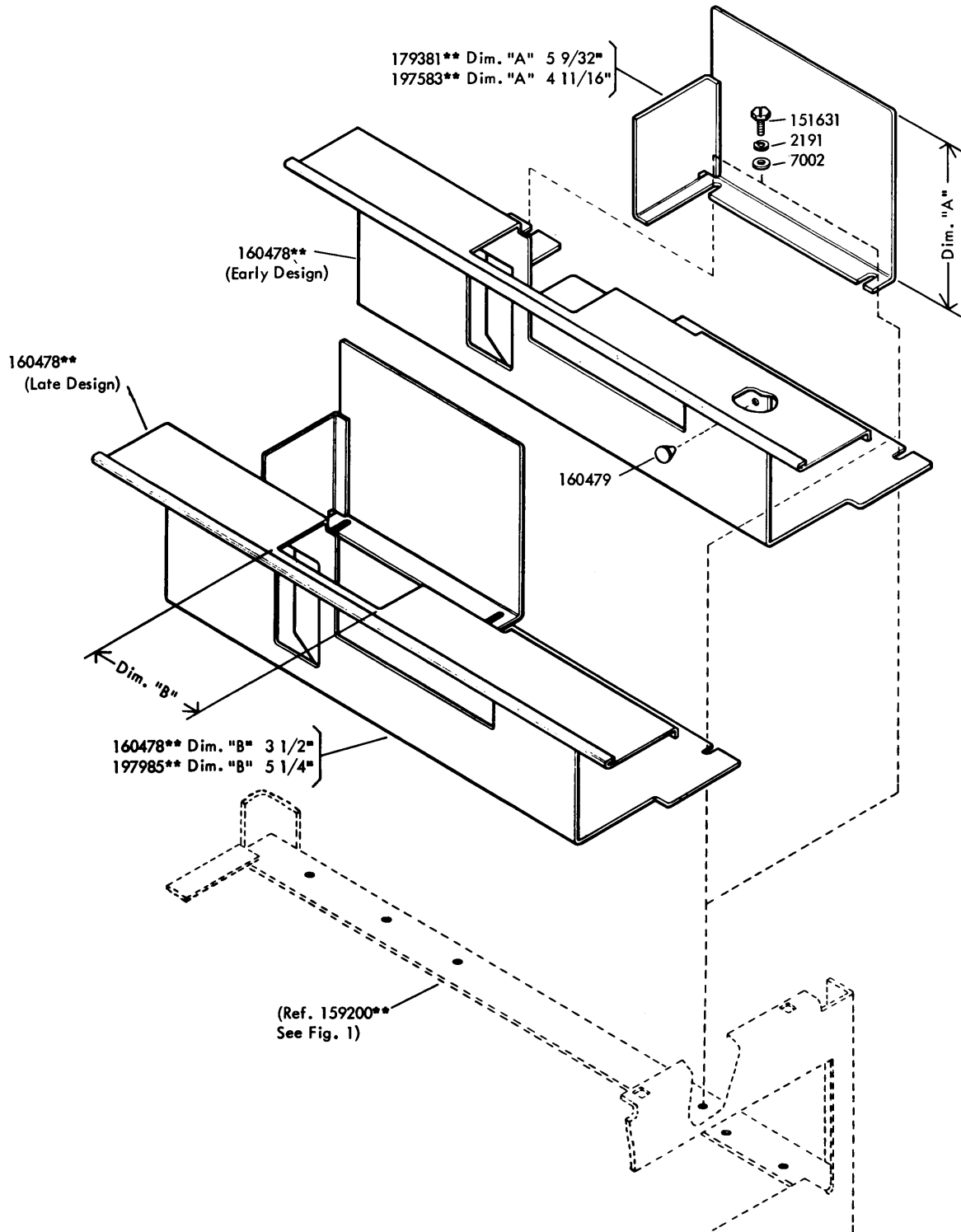


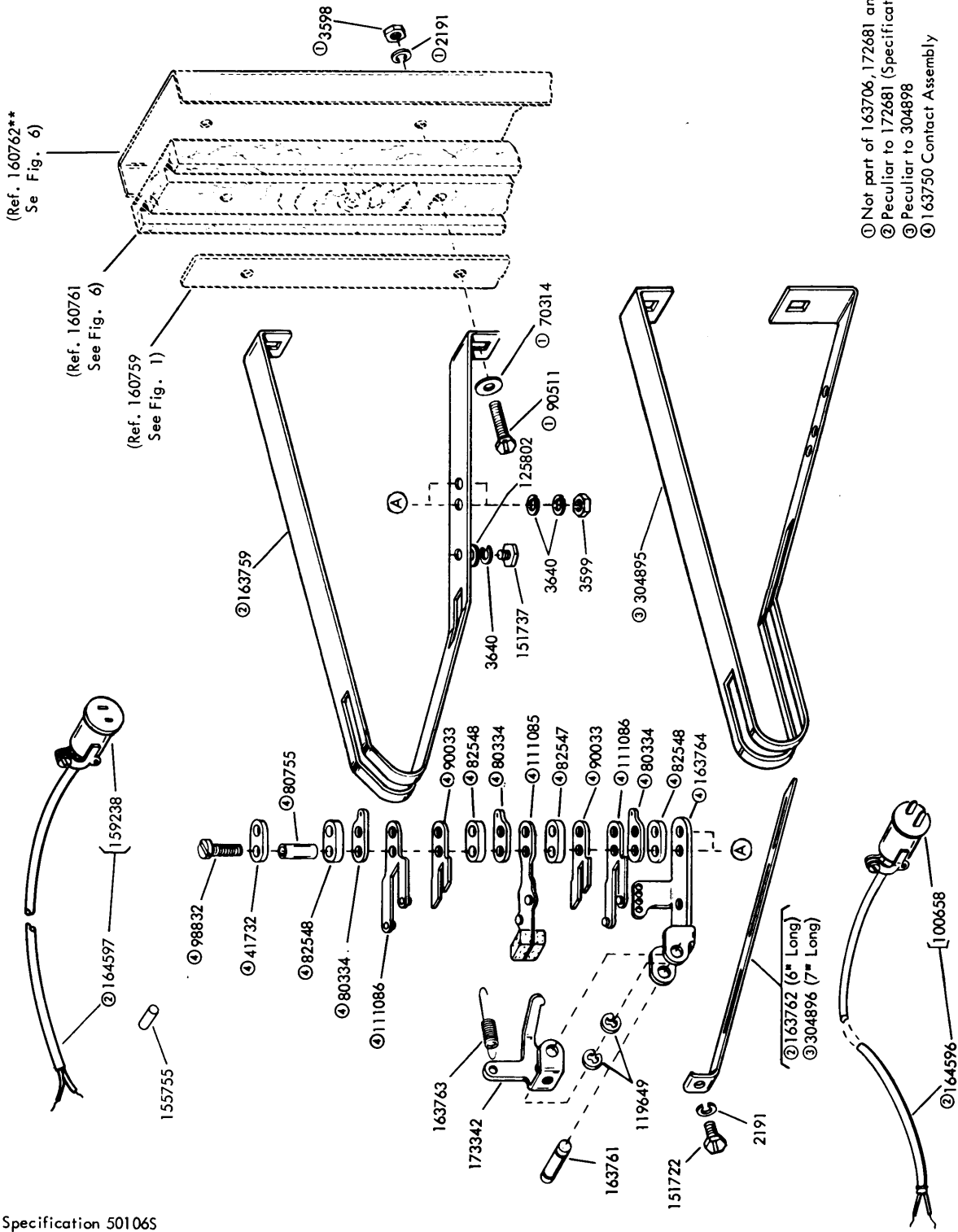
FIGURE 10. 170835 TAPE WINDER ASSEMBLY (HIGH SPEED)

*Part of 179746 Modification Kit. Also see Figure 15.



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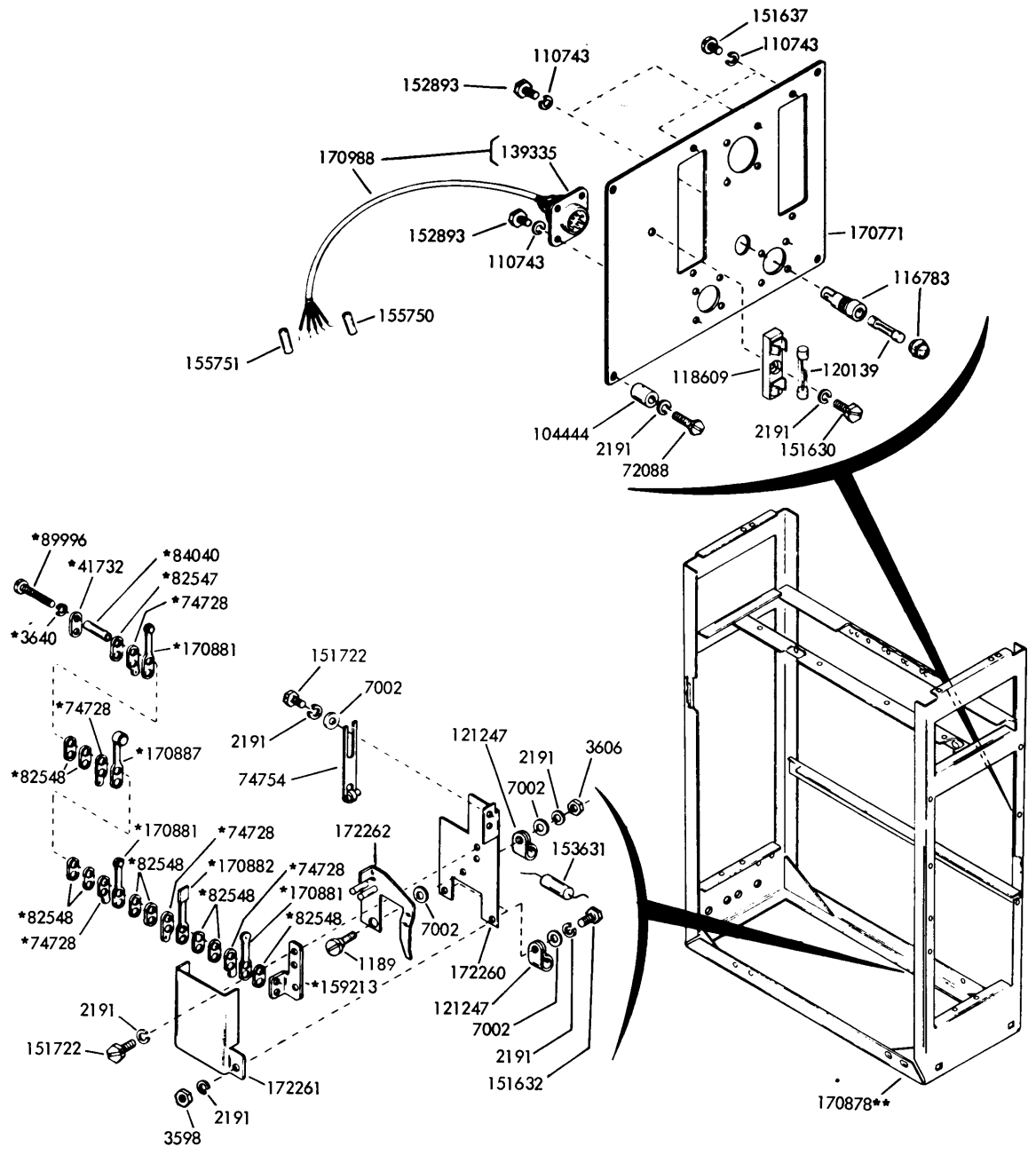
FIGURE 11. COVER (OIL SHIELD)



Specification 501065

- ① Not part of 163706, 172681 and 304898
- ② Peculiar to 172681 (Specification 501065)
- ③ Peculiar to 304898
- ④ 163750 Contact Assembly

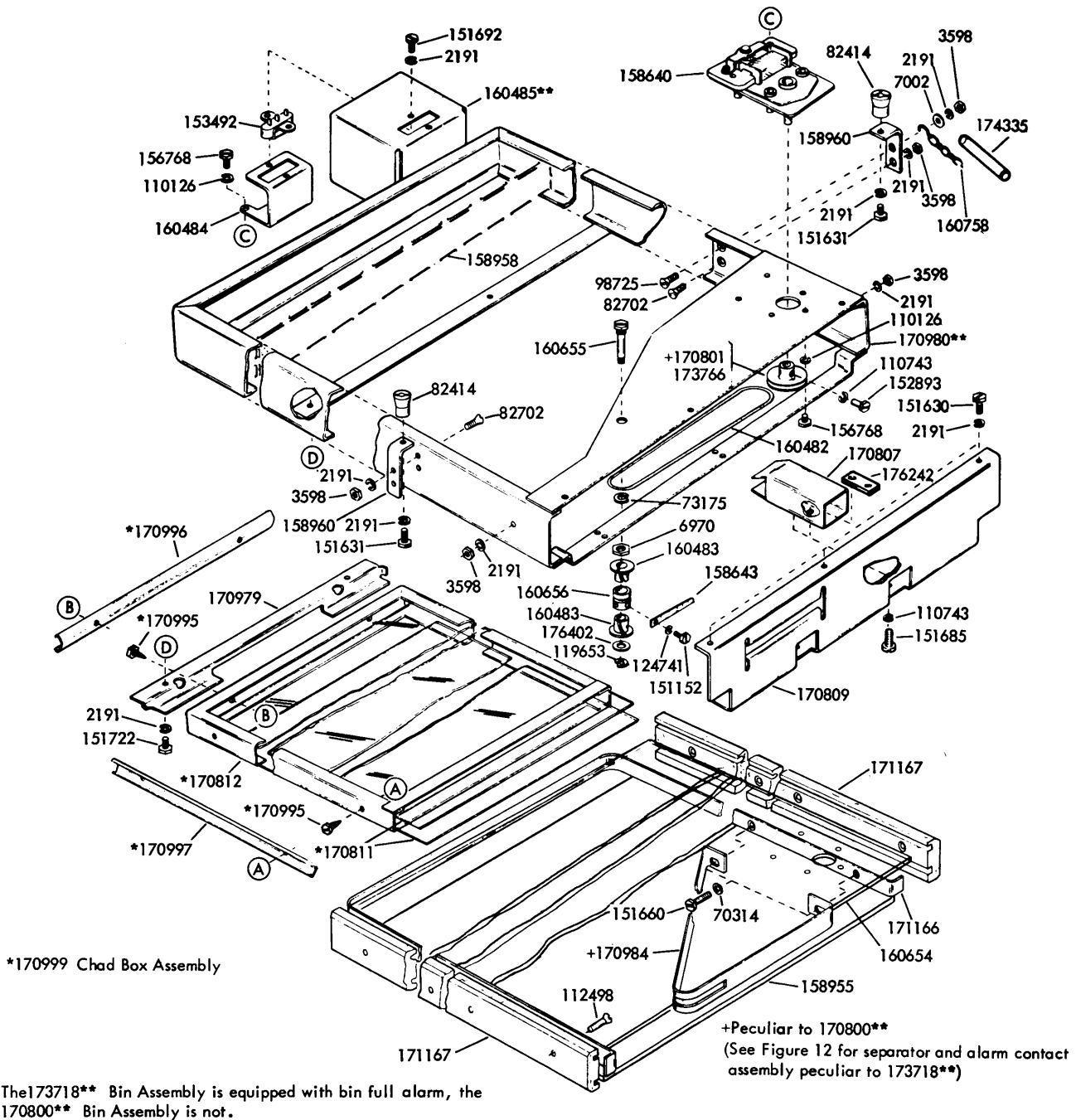
FIGURE 12. 163706 AND 304898 SEPARATOR ASSEMBLIES AND 172681
MODIFICATION KIT TO PROVIDE BIN FULL ALARM



*170880 Tight Tape and Low Tape Contact Assembly

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FIGURE 13. FRAME



*170999 Chad Box Assembly

The 173718** Bin Assembly is equipped with bin full alarm, the 170800** Bin Assembly is not.

These bins are approximately 24-3/8" long by 14" wide, equipped with clear laminated glass and a chad box for use with fully perforated tape.

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FIGURE 14. 170800* AND 173718** TAPE STORAGE BIN ASSEMBLIES

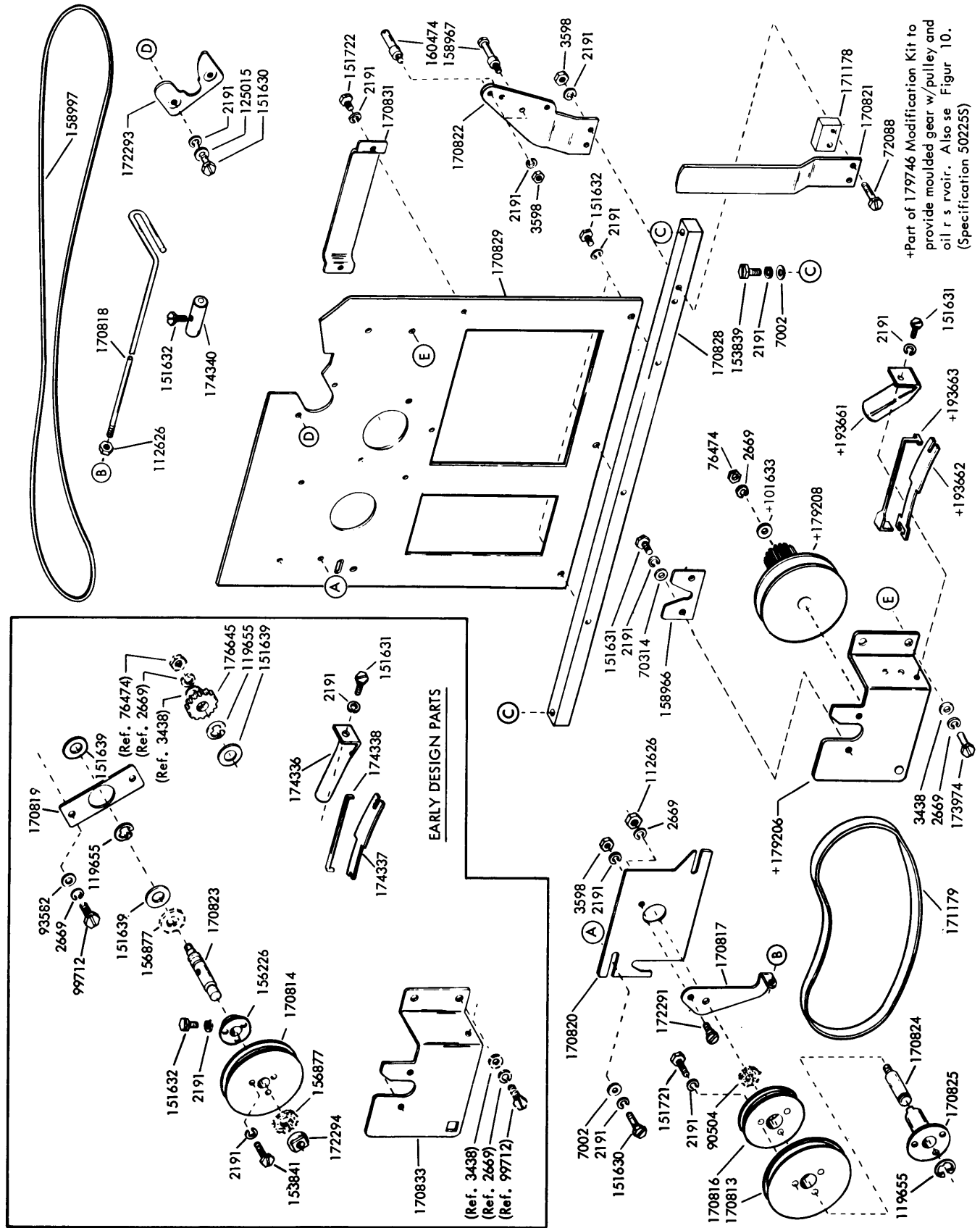


FIGURE 15. FRONT PLATE MECHANISM (HIGH SPEED)

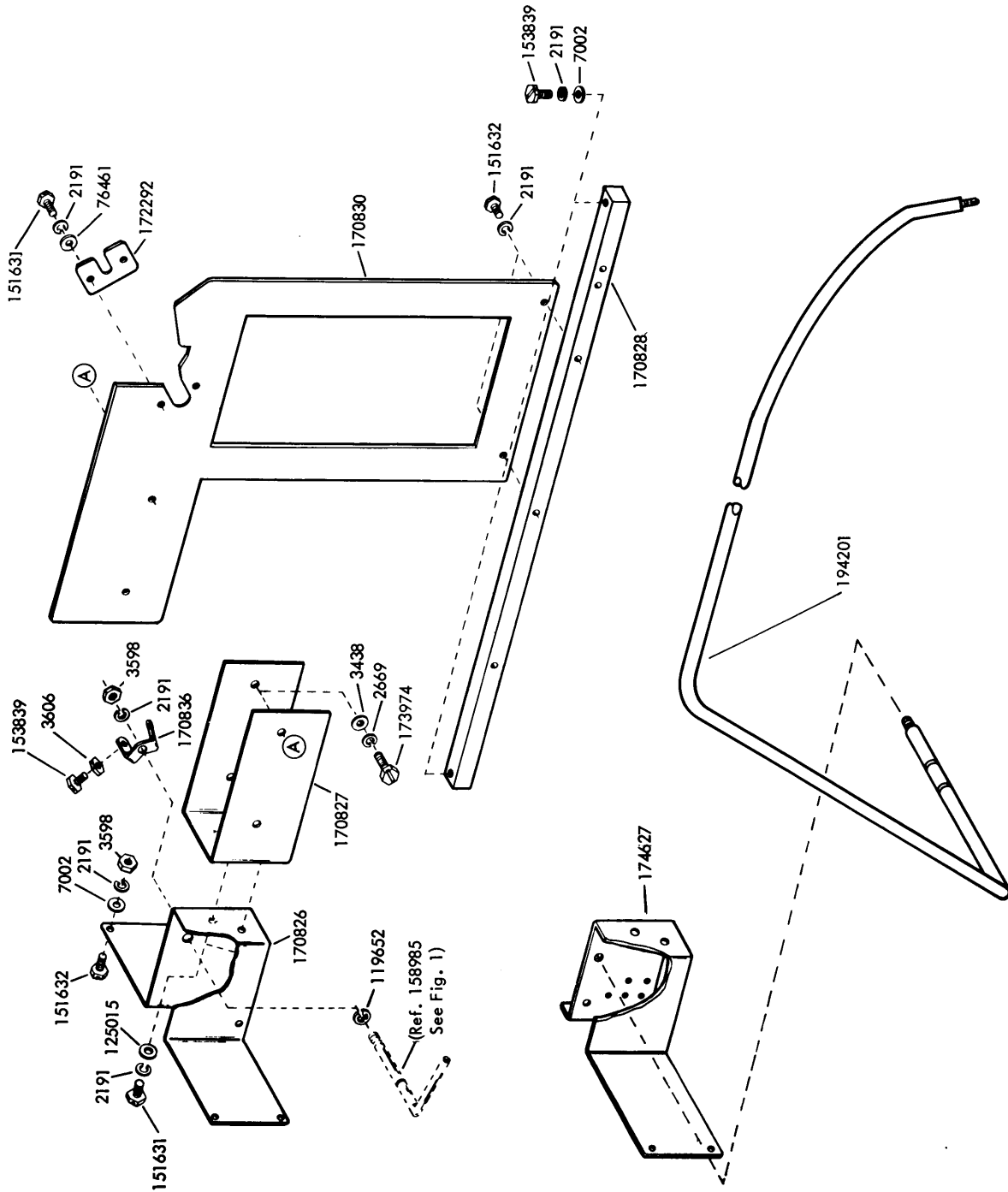


FIGURE 16. REAR PLATE

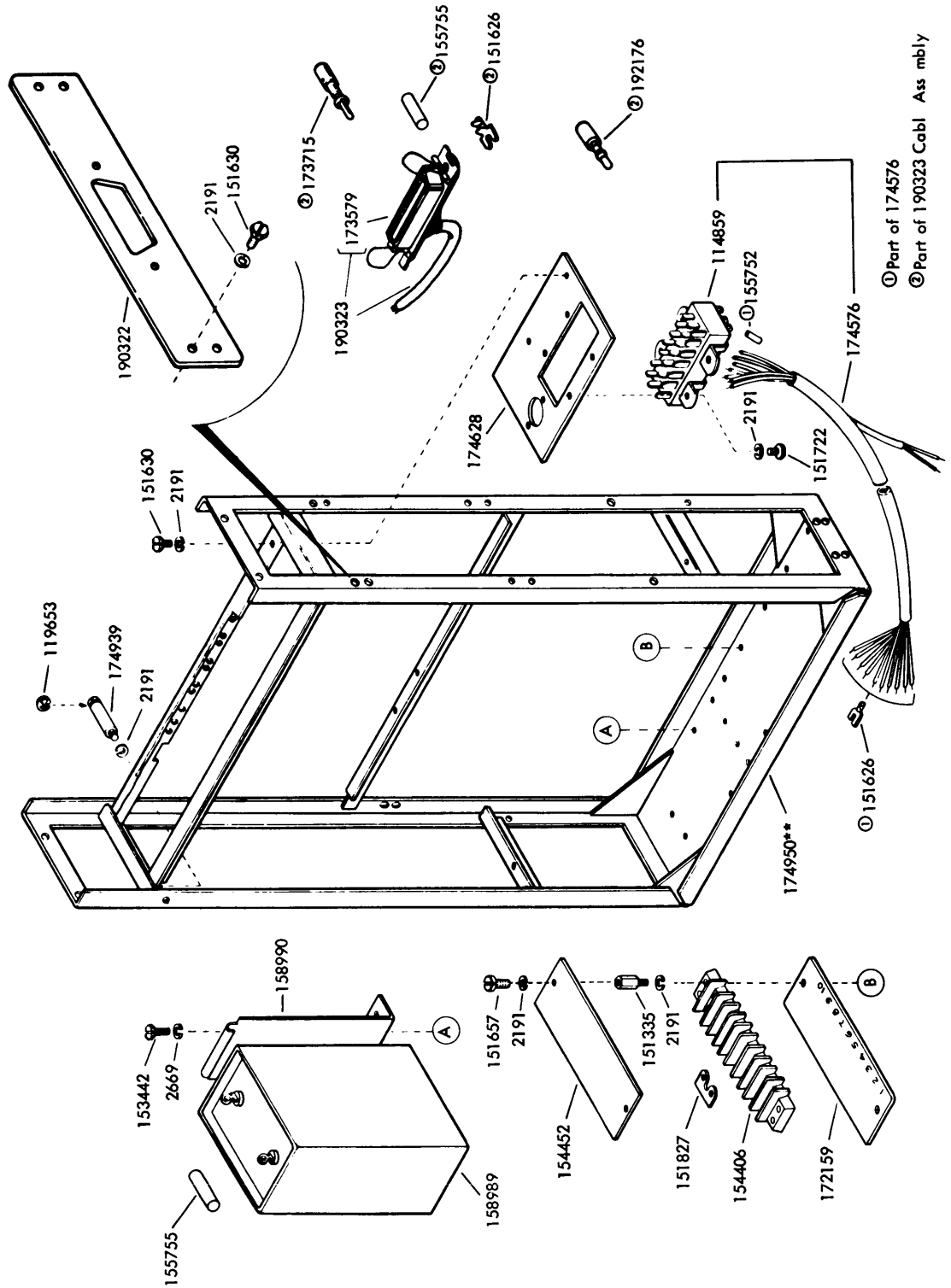


FIGURE 17. FRAME AND ELECTRICAL COMPONENT

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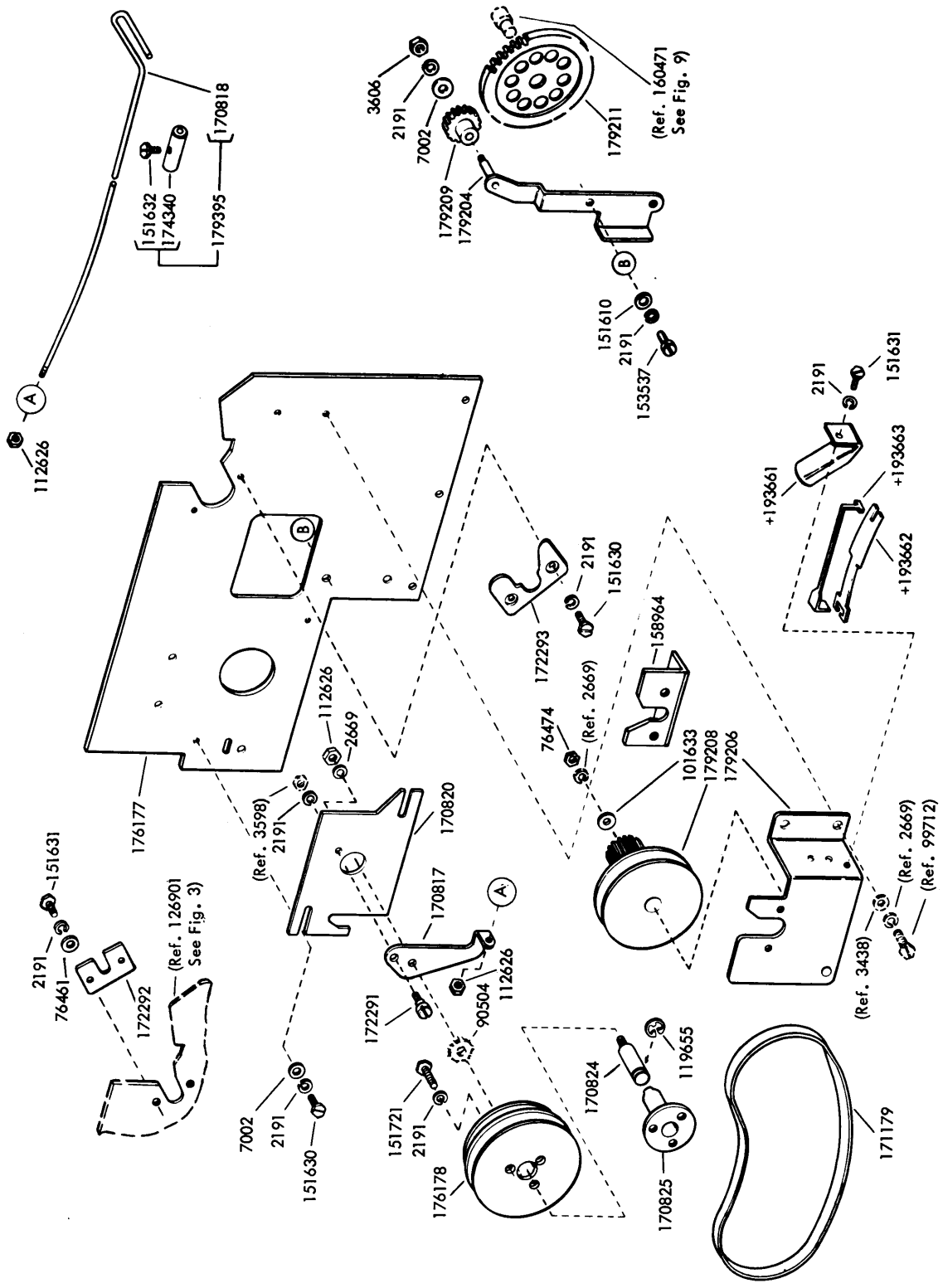
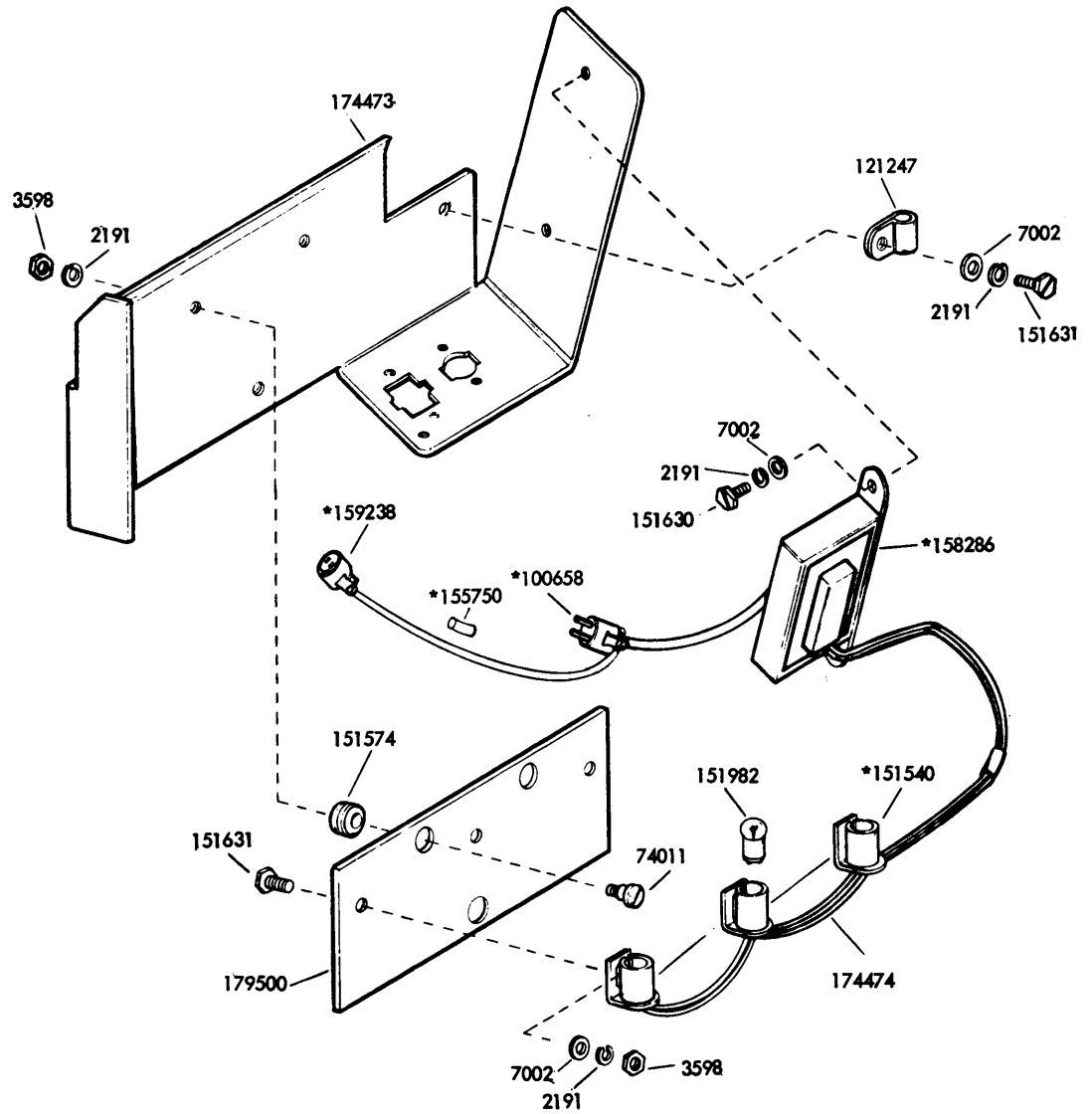


FIGURE 18. 176176 MODIFICATION KIT TO PROVIDE BELT DRIVE FOR LOW SPEED TAPE HANDLING

+Part of 193940 Modification Kit (Specification 501485)



*Part of 174474

Specification 500715

FIGURE 19. 174472 MODIFICATION KIT TO PROVIDE AC LIGHTING FOR LTHS STAND

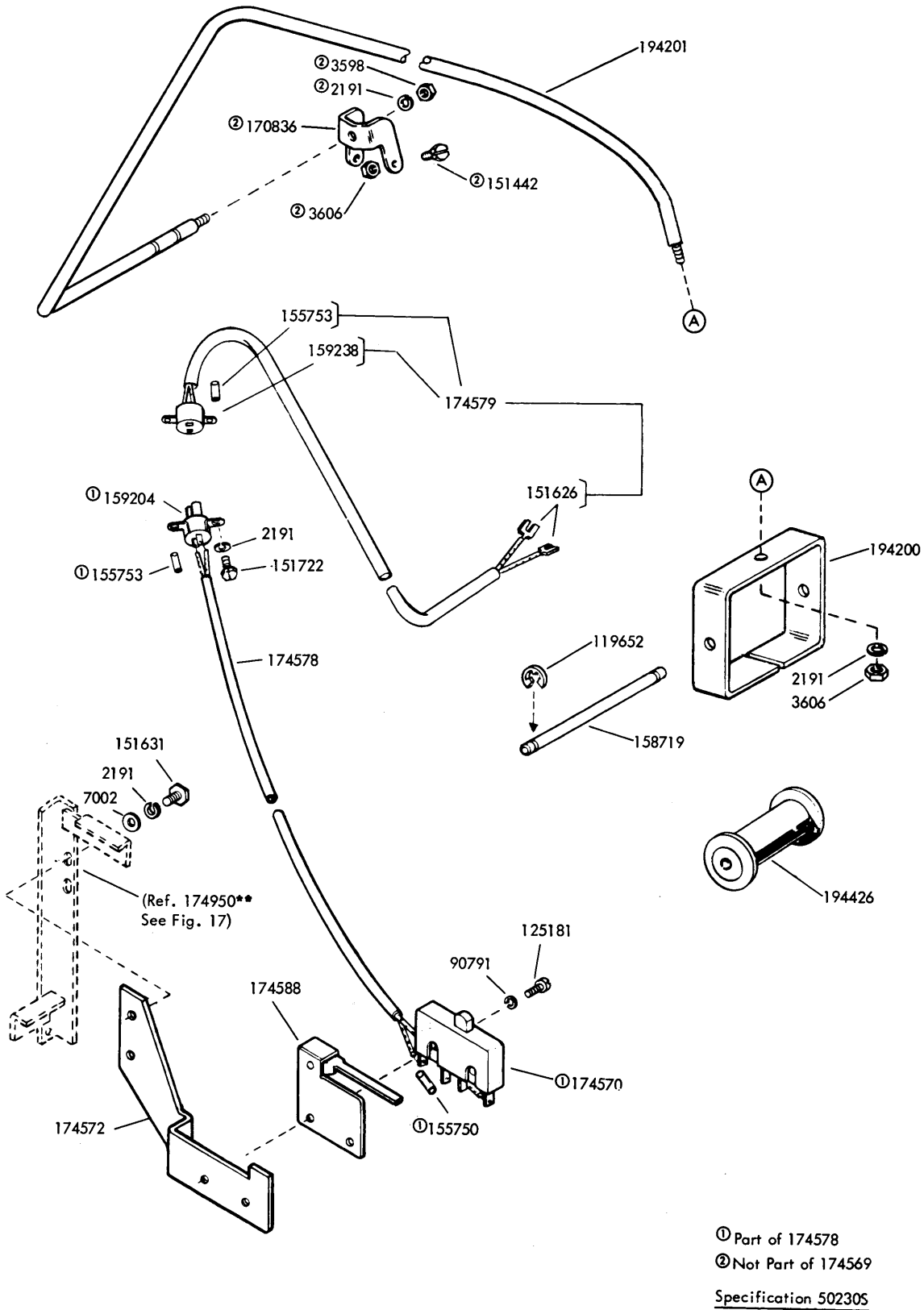


FIGURE 20. 174569 MODIFICATION KIT TO PROVIDE END-OF-TAPE CONTACTS ON TAPE HANDLING STANDS

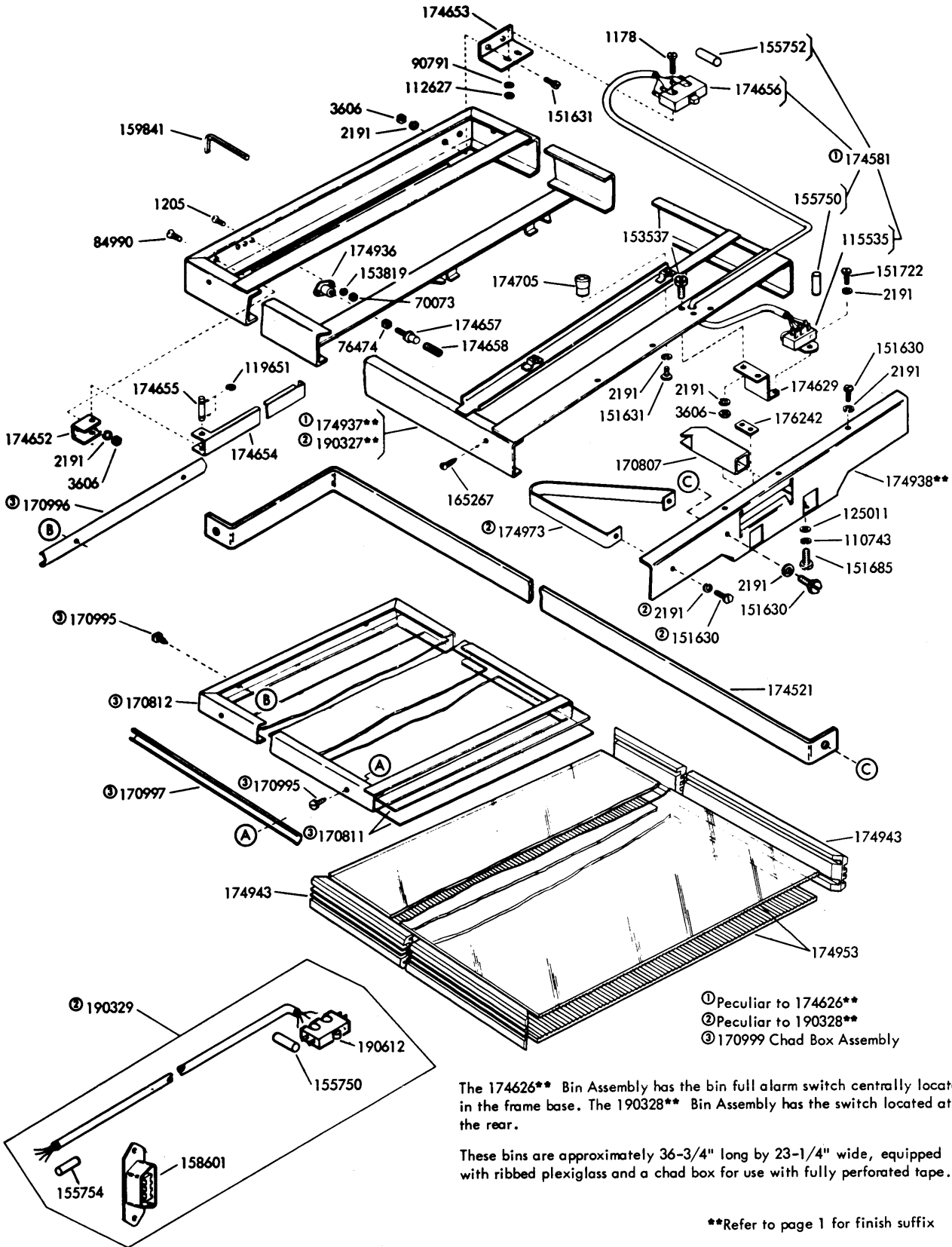


FIGURE 21. . 174626** and 190328** TAPE STORAGE BIN ASSEMBLIES (With Motor)

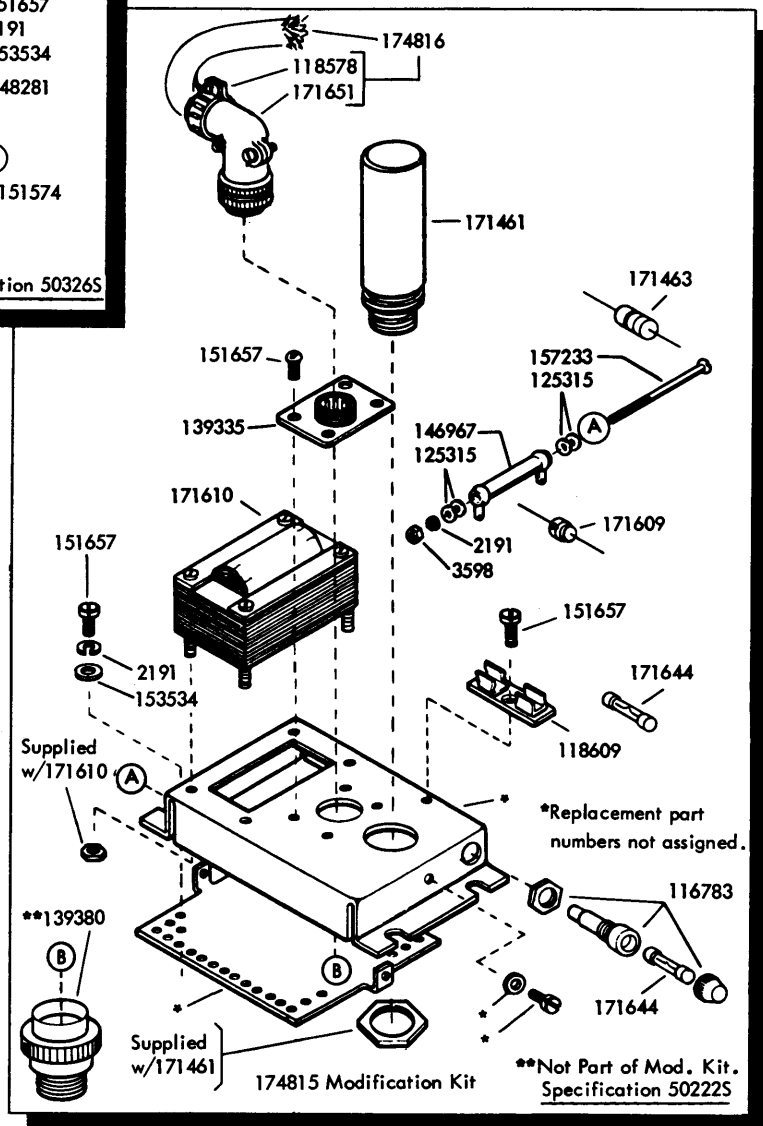
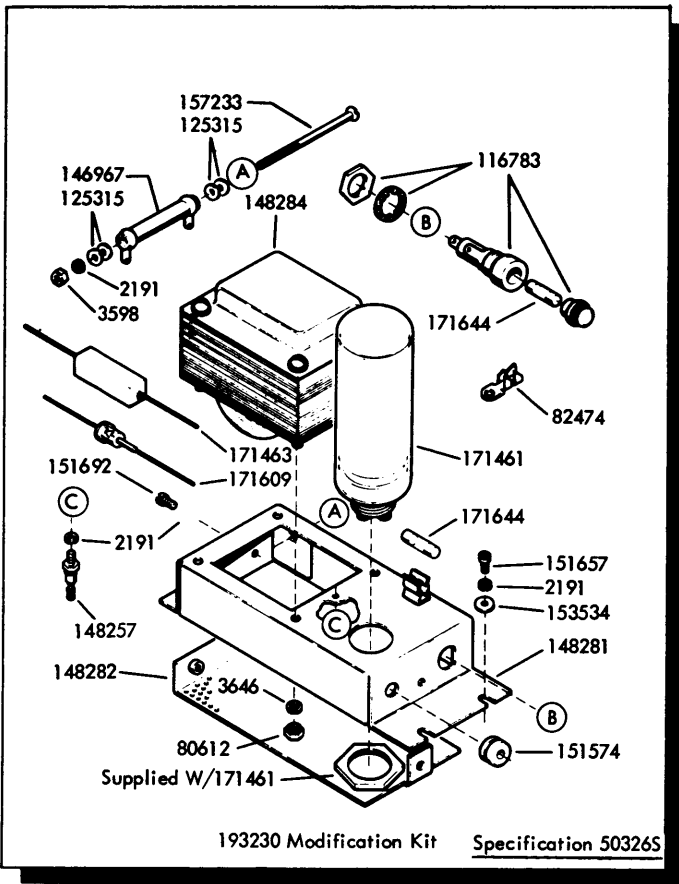


FIGURE 22. 174815 AND 193230 MODIFICATION KITS TO PROVIDE 48V POWER SUPPLY

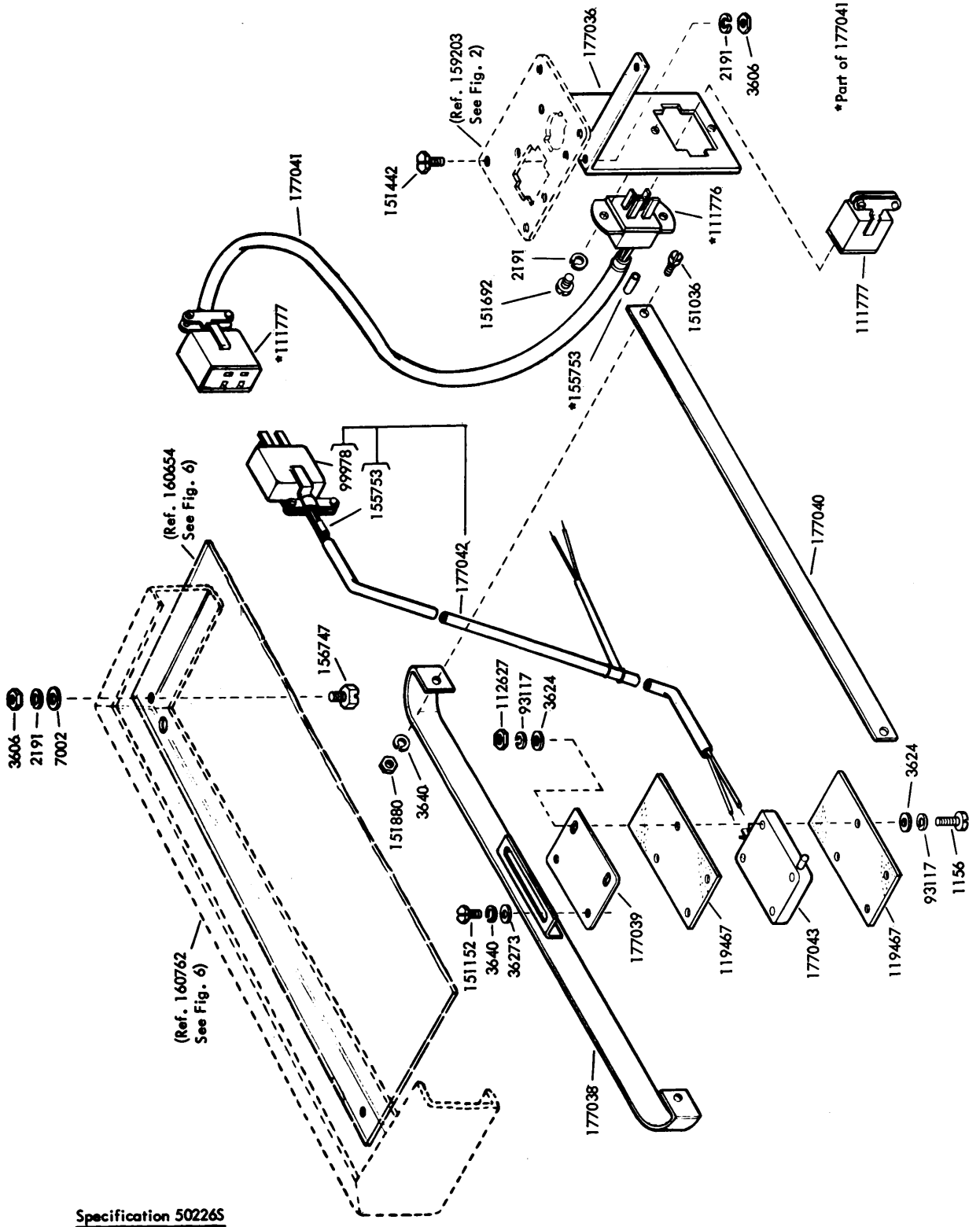


FIGURE 23. 177035 MODIFICATION KIT TO PROVIDE TAPE BIN LOW ALARM

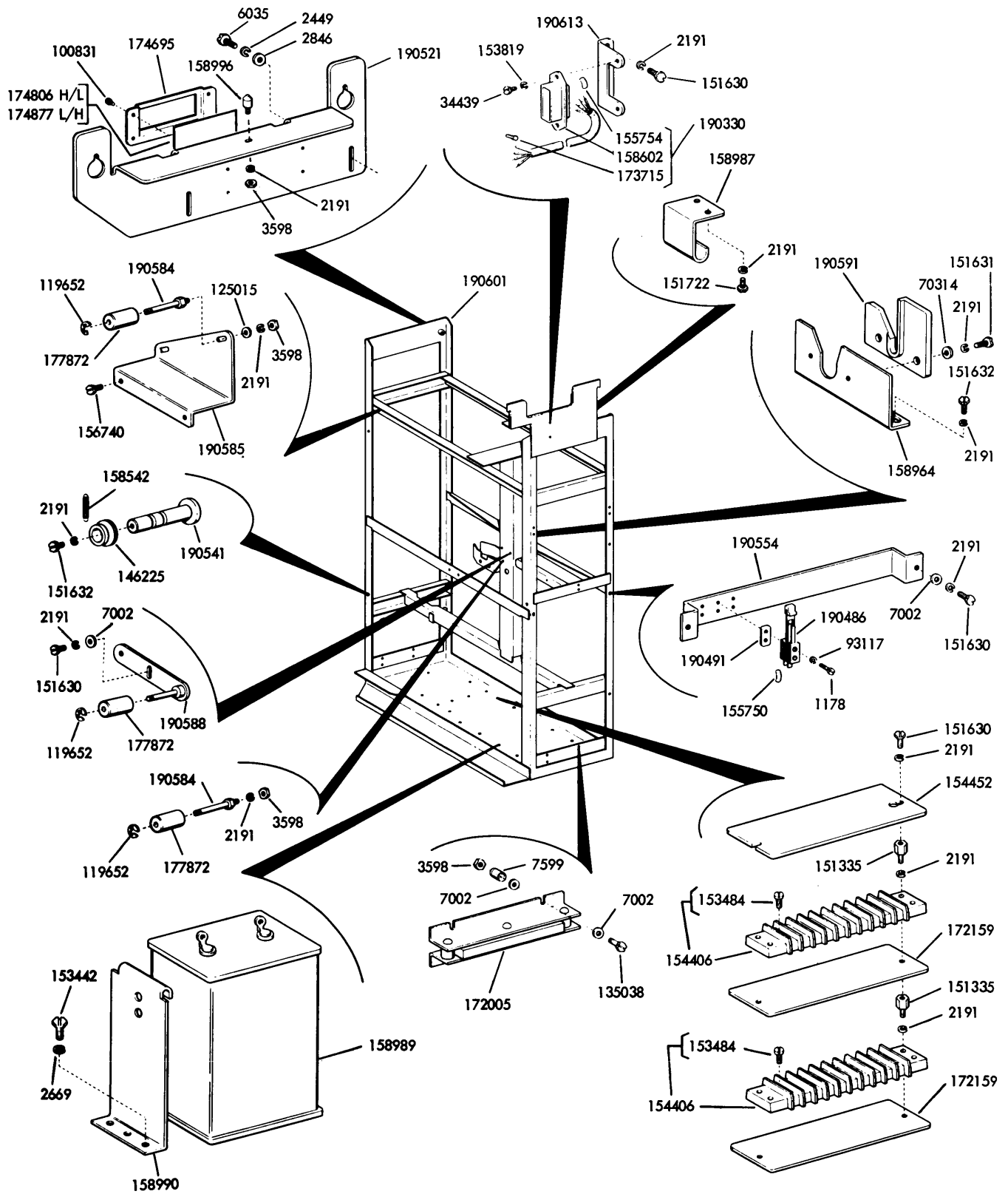


FIGURE 25. FRAME MECHANISM

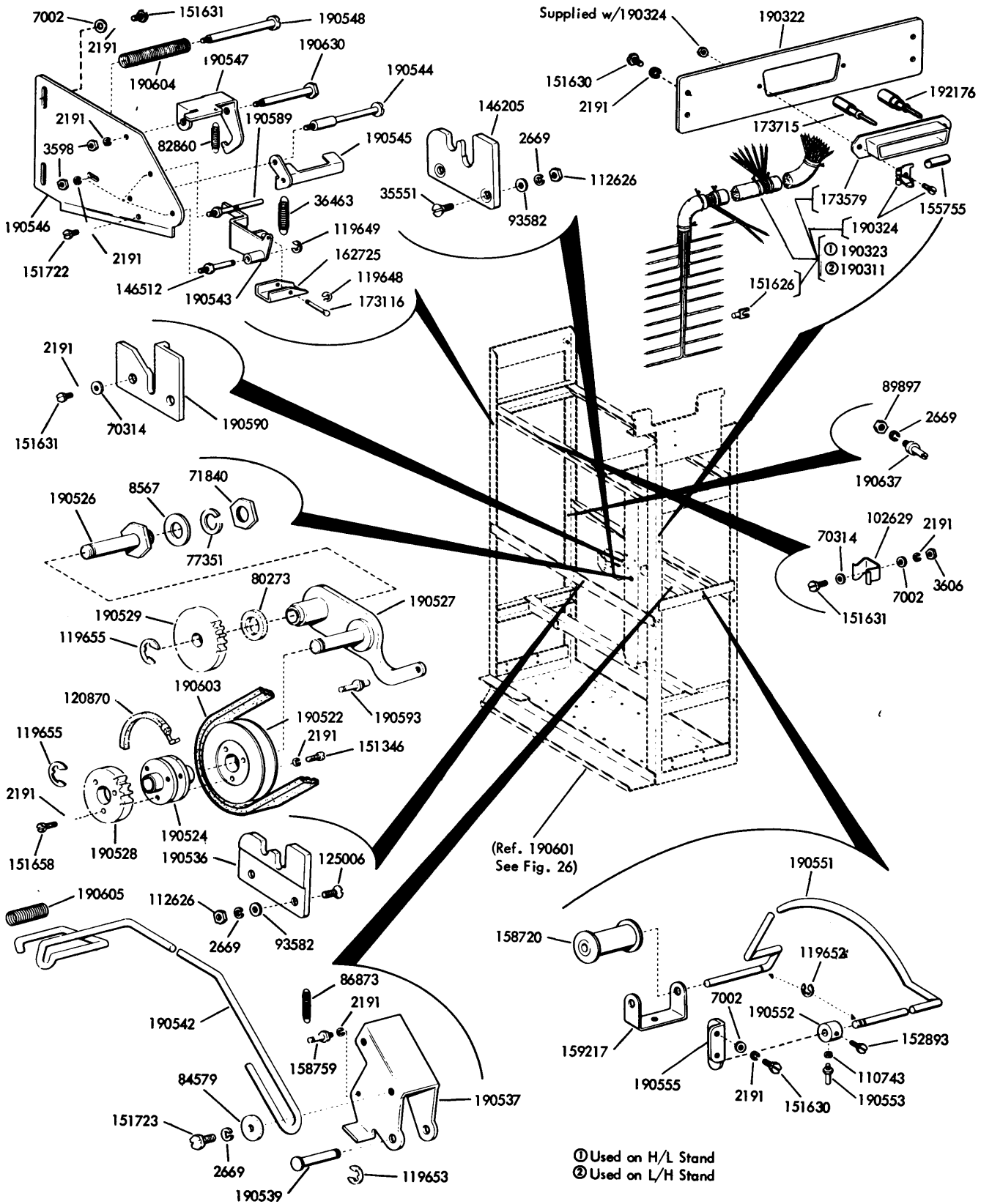


FIGURE 26. FRAME MECHANISM (C ntinued)

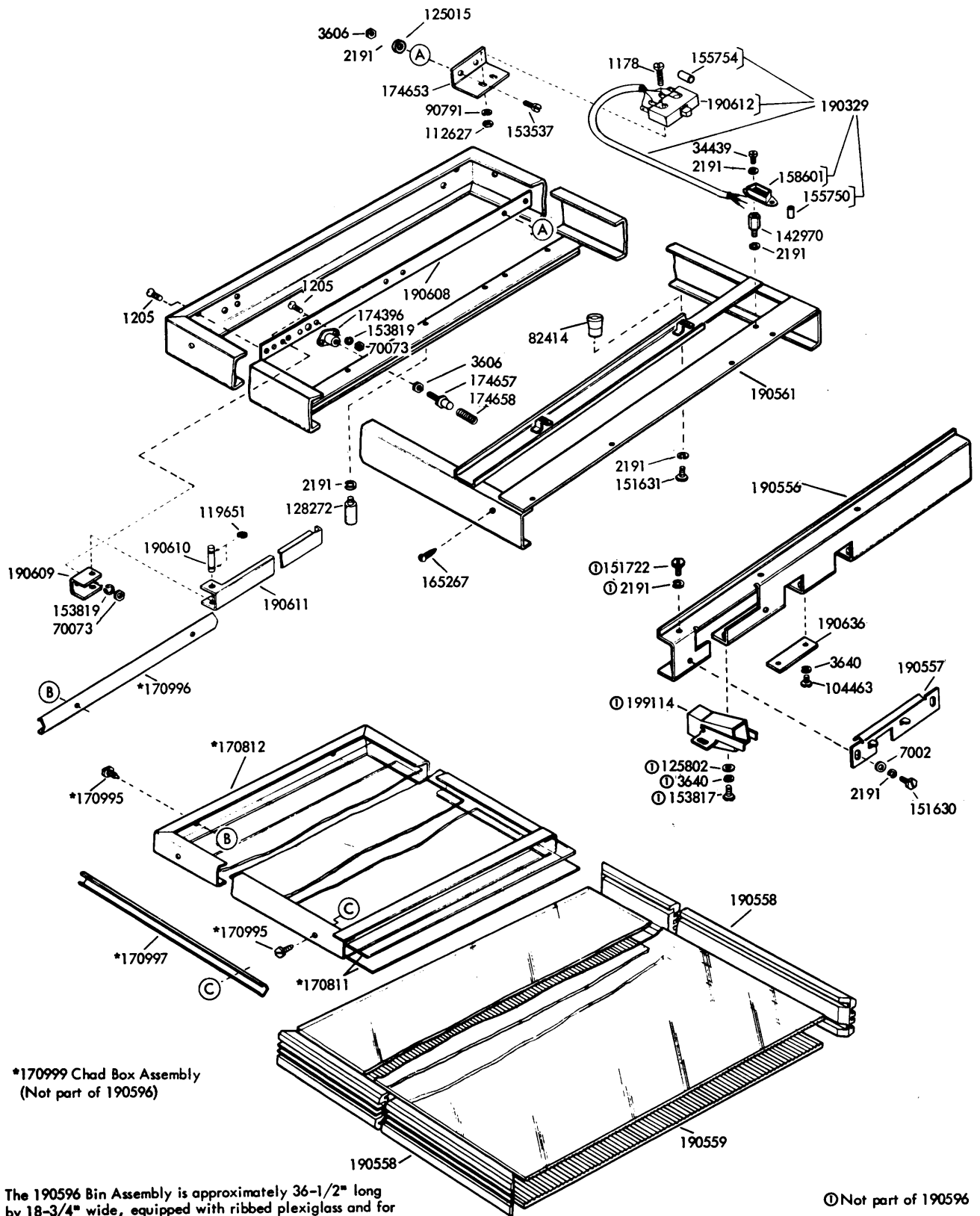


FIGURE 27. 190596 TAPE STORAGE BIN ASSEMBLY

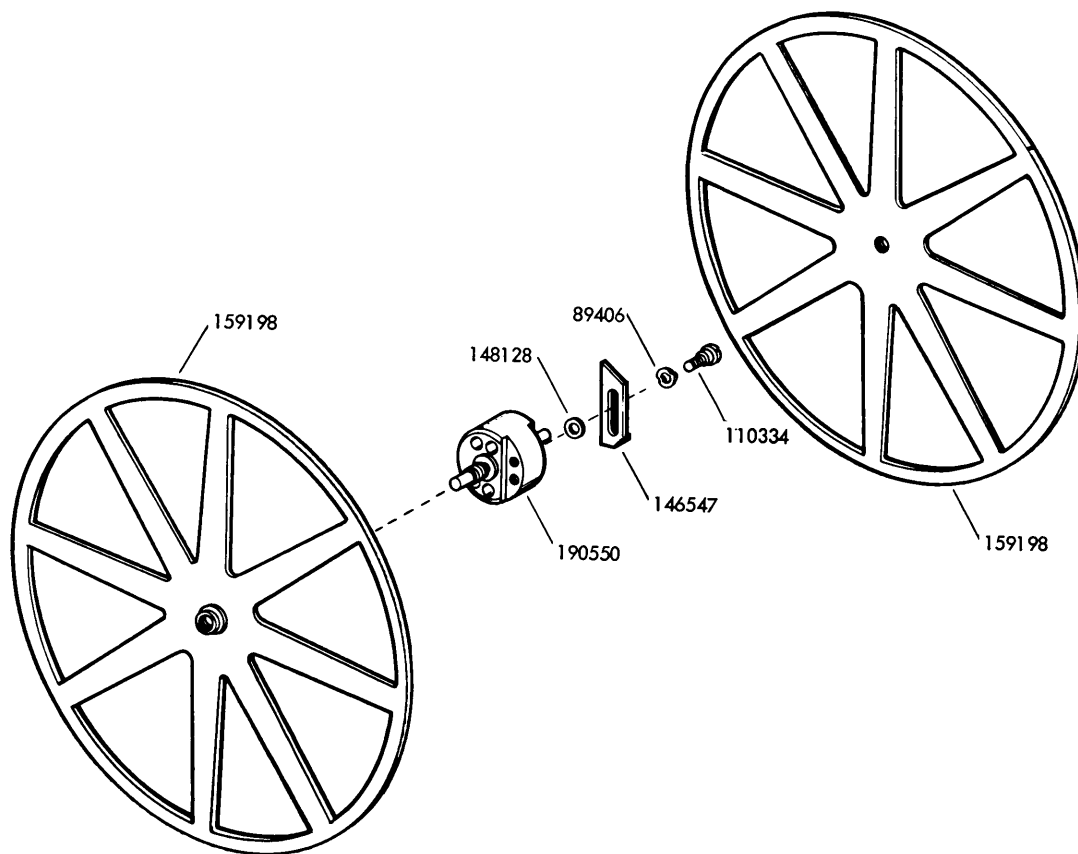


FIGURE 28. 190594 TAPE SUPPLY REEL ASSEMBLY

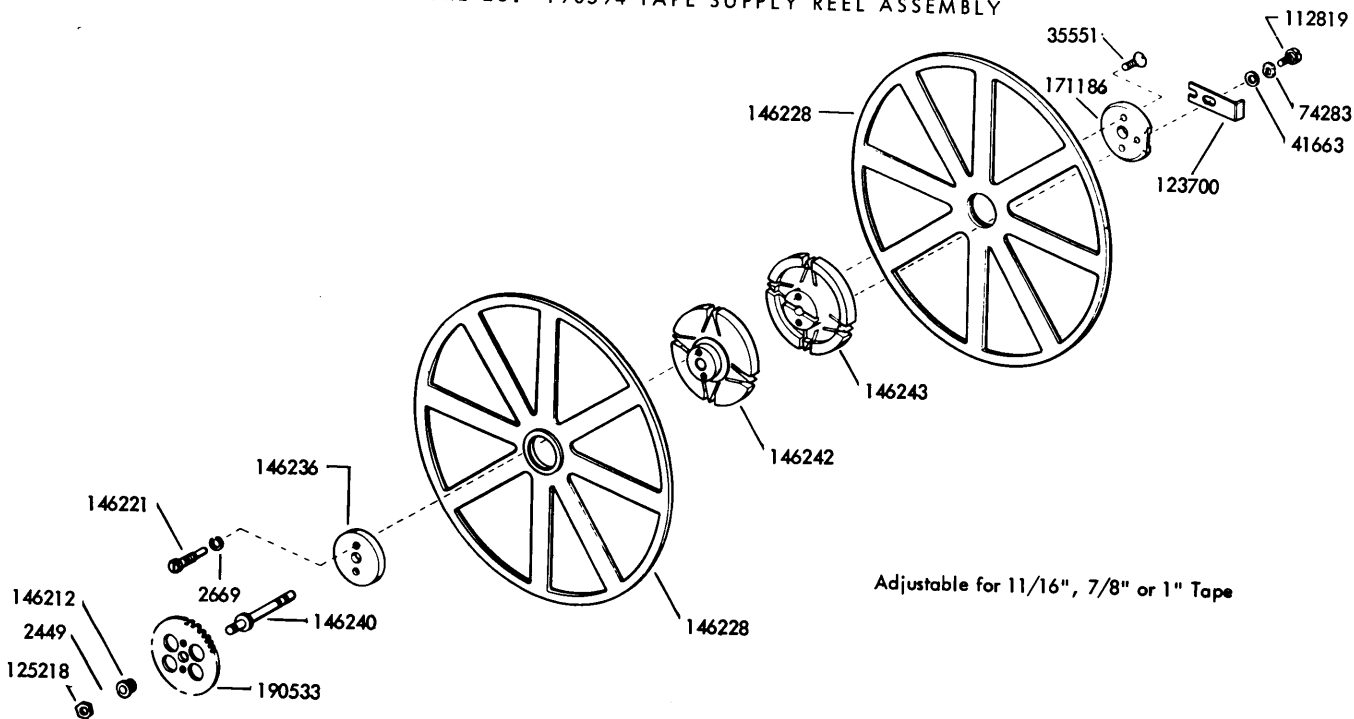
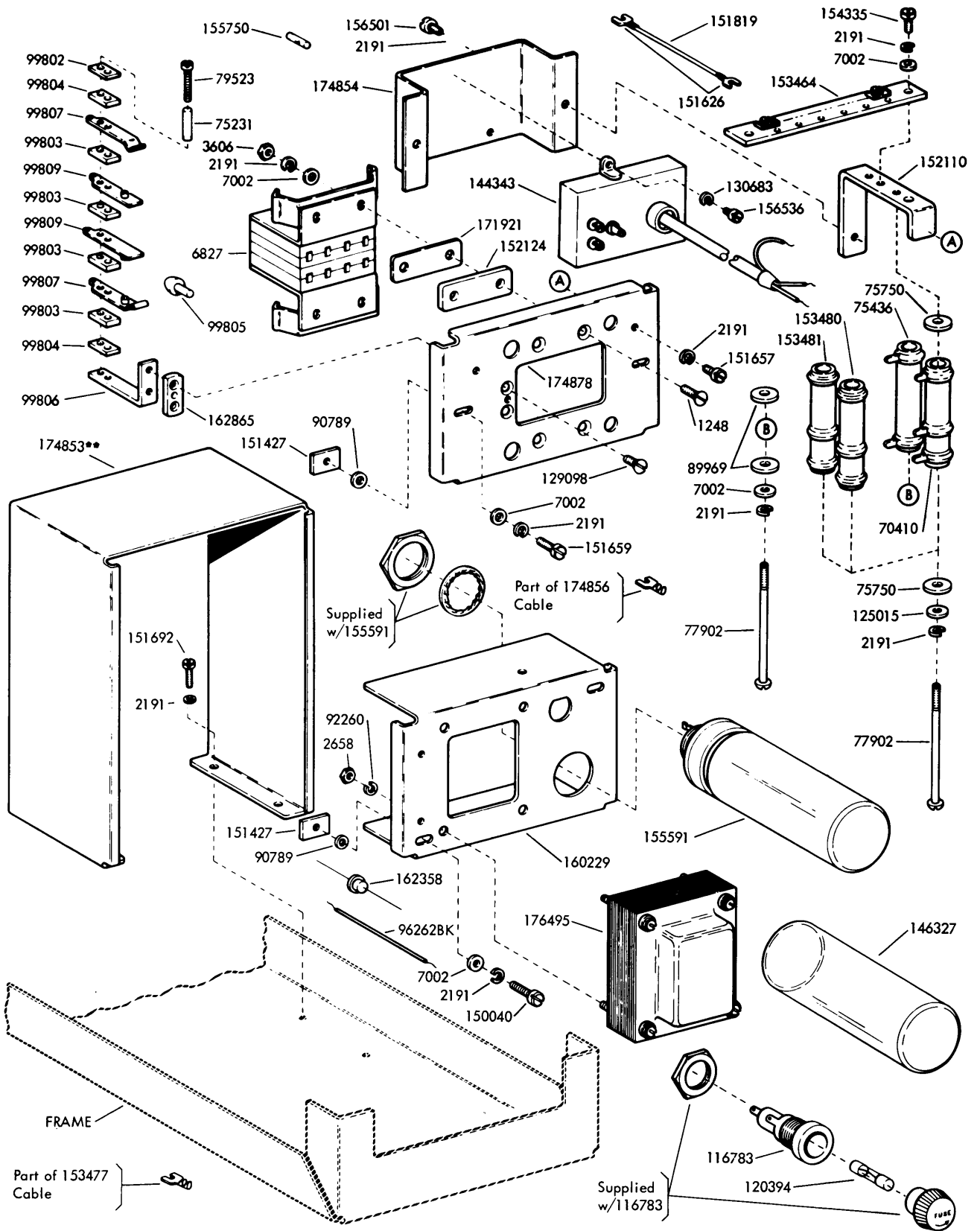
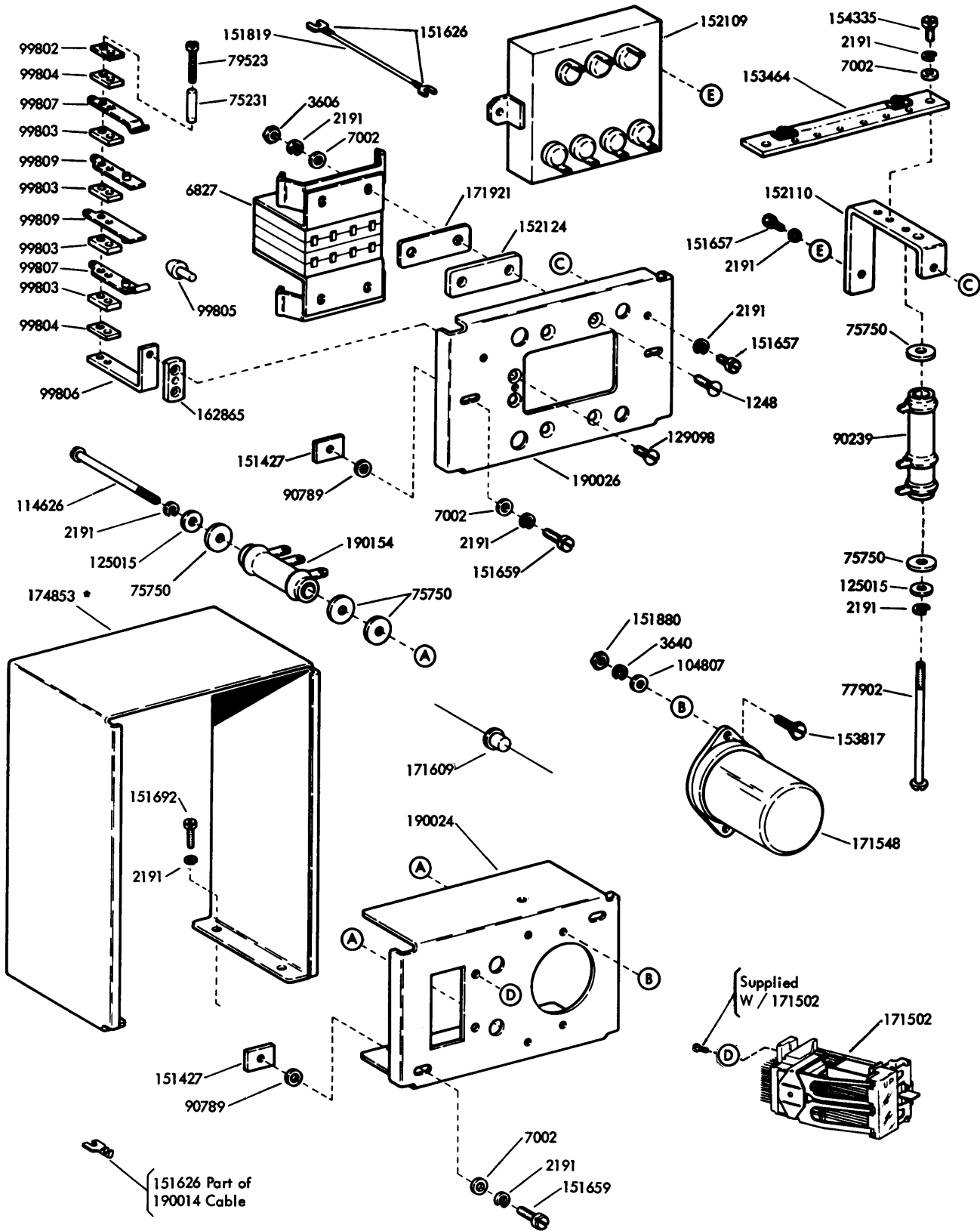


FIGURE 29. 190595 TAPE WINDER REEL ASSEMBLY



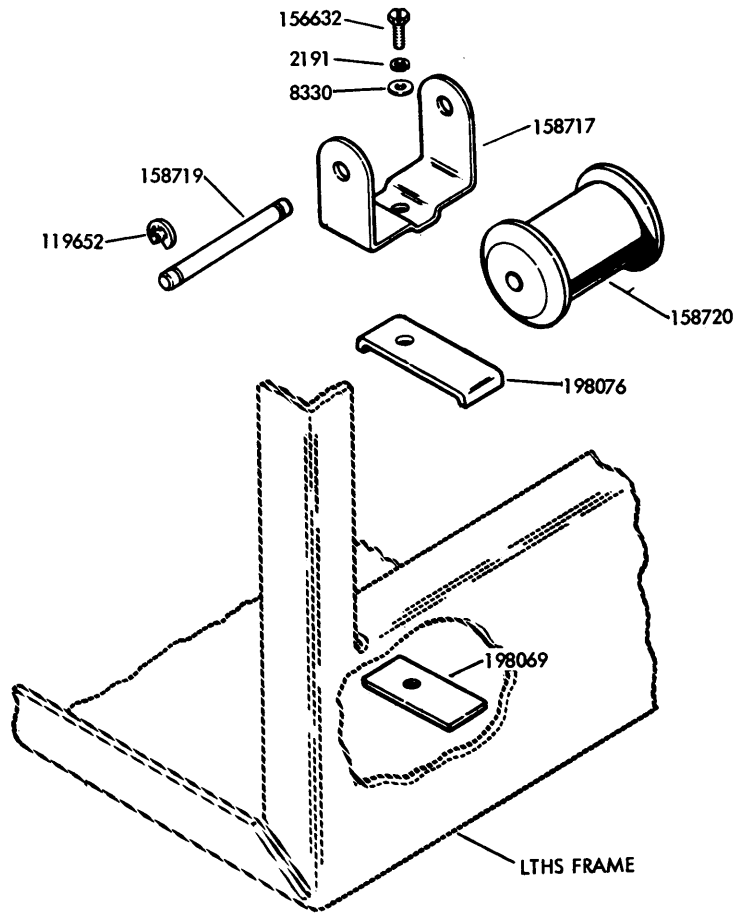
**Refer to page 1 for finish suffix

FIGURE 30. 174855** LINE RELAY MODIFICATION KIT



**Refer to page 1 for finish suffix

FIGURE 31. 190011* OPEN LINE AND BUSY LINE MODIFICATION KIT



Specification 502605

FIGURE 32. 194169 MODIFICATION KIT TO PROVIDE A RIGID TAPE PATH

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1046	Screw, Shoulder (6-40) 10	76450	Shim (.028" Thk) 6	110126	Washer, Lock 8, 16, 26
1156	Screw (2-56 x 9/16 Fil) 25	76461	Washer, Flat 18, 20	110334	Screw, Shoulder (4-40) 30
1178	Screw (2-56 x 7/16 Fil) 23, 27, 29	76474	Nut (10-32 Hex) 5, 17, 20, 23	110743	Washer, Lock 4, 8, 15, 16, 23, 26, 28
1189	Screw, Shoulder (6-40) 15	77140	Nut (9/16-32 Hex) 6	111085	Spring, Contact 14
1205	Screw (3-48 x 19/64 Flat) 23, 29	77351	Washer, Lock 28	111086	Spring, Contact 14
1248	Screw (6-40 x 1/2 Flat) 31, 32	77902	Screw (6-40 x 2-3/8 Rd) 31, 32	111776	Connector, Plug (4 Pt) 4, 25
2191	Washer, Lock 3 to 10, 13 to 29, 31, 32, 33	79523	Screw (2-56 x 25/32 Fil) 31, 32	111777	Connector, Receptacle (4 Pt) 25
2199	Nut (7/16-32 Hex) 7	80273	Washer, Felt 28	112498	Screw (6-40 x 3/4 Flat) 8, 9, 16, 26
2449	Washer, Lock 11, 27, 30	80334	Terminal, Contact 14	112620	Screw (4-40 x 1/2 Hex) 4
2658	Nut (6-32 Hex) 31	80612	Nut (8-32 Hex) 24	112626	Nut (10-32 Hex) 7, 17, 20, 28
2669	Washer, Lock 3 to 7, 10, 11, 17 to 20, 27, 28, 30	80755	Bushing, Insulating 14	112627	Nut (2-56 Hex) 23, 25, 29
2846	Washer, Flat 27	82414	Knob, Detent 8, 9, 16, 26, 29	112819	Screw, Shoulder (6-40) 12, 30
3438	Washer, Flat 5, 7, 17, 18	82474	Terminal 24	114626	Screw (6-40 x 2-1/16 Fil) 32
3598	Nut (6-40 Hex) 3 to 6, 8, 9, 10, 14 to 18, 21, 22, 24, 26, 27, 28	82547	Insulator (.094" Thk) 14, 15	114859	Connector, Plug (21 Pt) 19
3599	Nut (4-40 Hex) 4, 14	82548	Insulator (.062" Thk) 14, 15	115535	Connector, Plug (6 Pt) 23, 26
3606	Nut (6-40 Hex) 3, 4, 15, 18, 20, 22, 23, 25, 28, 29, 31, 32	82702	Screw (6-40 x 9/32 Flat) 8, 9, 16, 26	116783	Holder, Fuse 15, 24, 31
3624	Washer, Flat 25	82860	Spring 28	118578	Clamp, Cable (3/4 ID) 24
3640	Washer, Lock 14, 15, 25, 29, 32	84040	Bushing, Insulating 15	118609	Holder, Fuse 15, 24
3646	Washer, Lock 24	84579	Washer, Flat 28	119467	Insulator (.032" Thk) 25
4814	Washer, Lock 6	84990	Screw (6-40 x 1/4 Flat) 23	119648	Ring, Retaining 28
6035	Screw (1/4-20 x 5/8 Hex) 27	85931	Post, Spring 6	119649	Ring, Retaining 10, 14, 28
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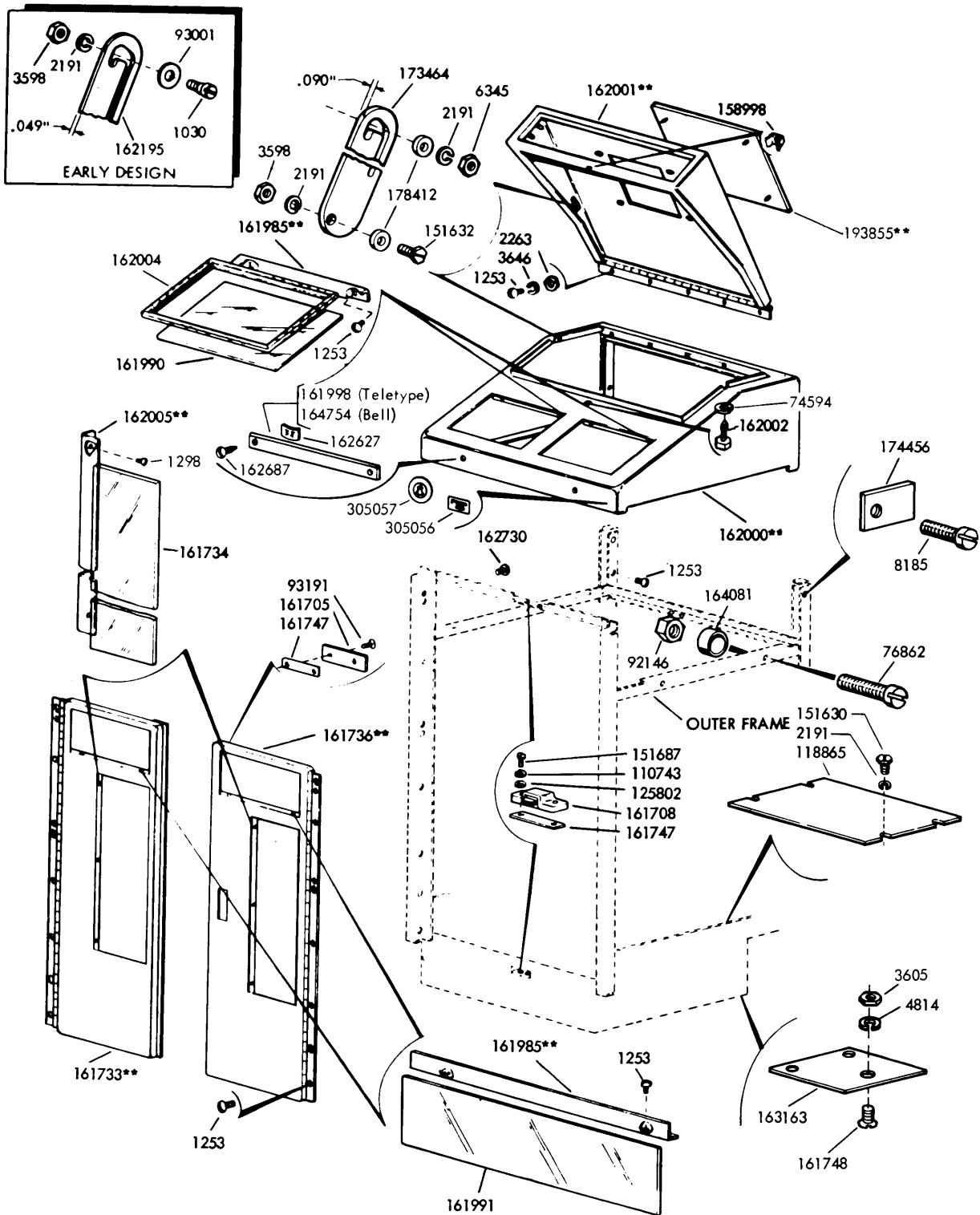
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Beige		ET			Gray, Federal		BV	GG	
Beige, Light		EL		HC	Gray, Green	AB (40)	BK	GA (45)	
Beige, Rose		ER			Gray, Light		EJ		HB (68)
Black	AA (37)				Gray, Covert				HE
Black, High Gloss		BA (34)			Gray, Olive		EW	GE	HF (46)
Black, Semi Gloss		BB			Gray, Maritime Deck	AJ	BJ		
Blue, Aqua		EK			Gray, Oxford		EP		
Blue, Brussels Light		EC			Green, Gray	AB (40)	BK	GA (45)	
Blue, Medium		ES			Green, Moss		EN		HD
Brown, Dark	AD (38)				Ivory		EM		
Brown, Light	AC (39)			HG	Pink, Rose		EU		
Fawn					Turquoise		EV		
Gray, Beige			GC		White		EH		
Gray, Charcoal	AL	BZ	GF	HA	Yellow, Pastel		EG		
Gray, Dark			GB						

The double asterisk (**) denotes a painted part. Suffix to be applied following the part number. Number in parentheses indicates Bell System code



**Refer to page 1 for finish suffix

FIGURE 1. FRONT DOORS AND DOME

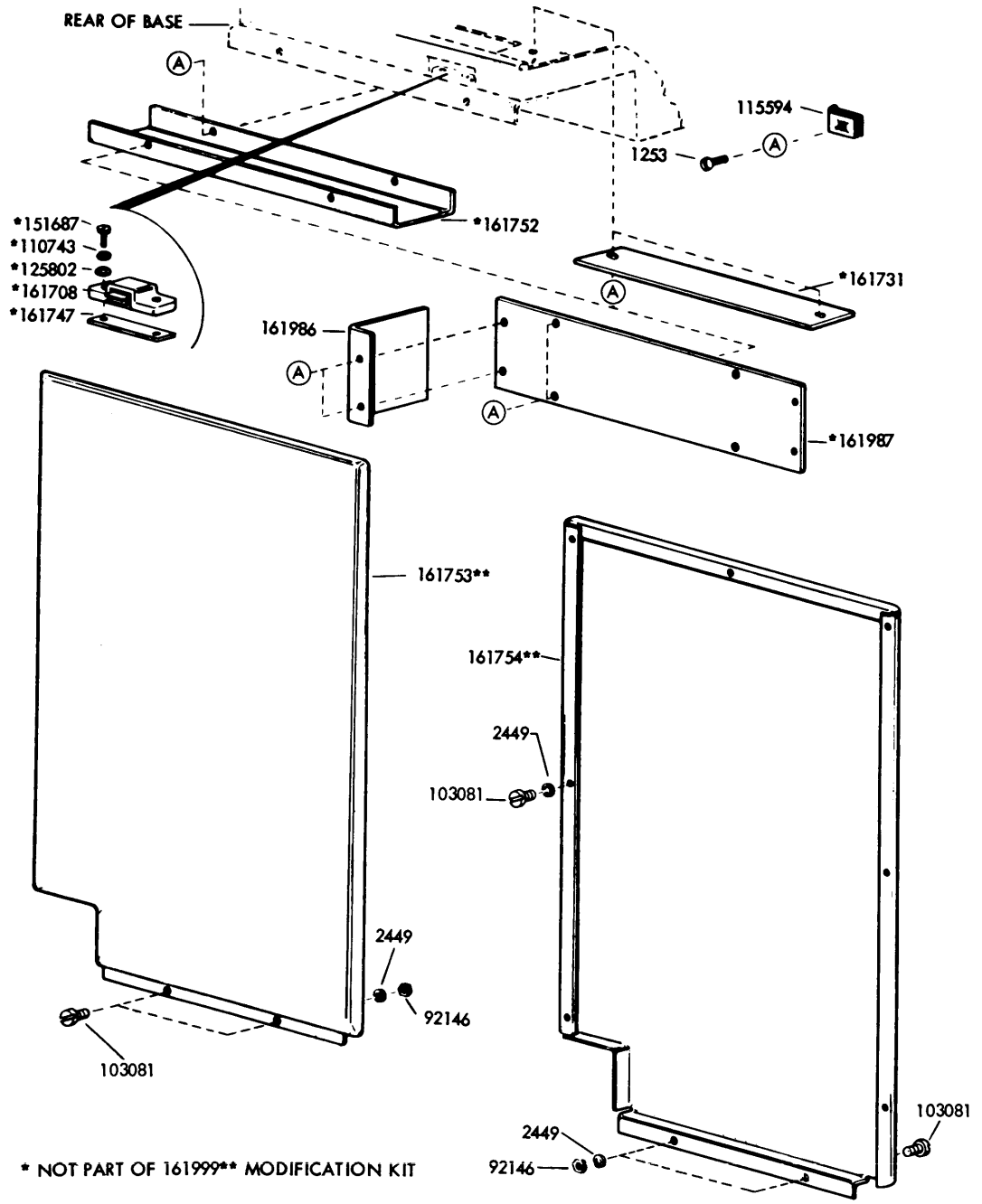
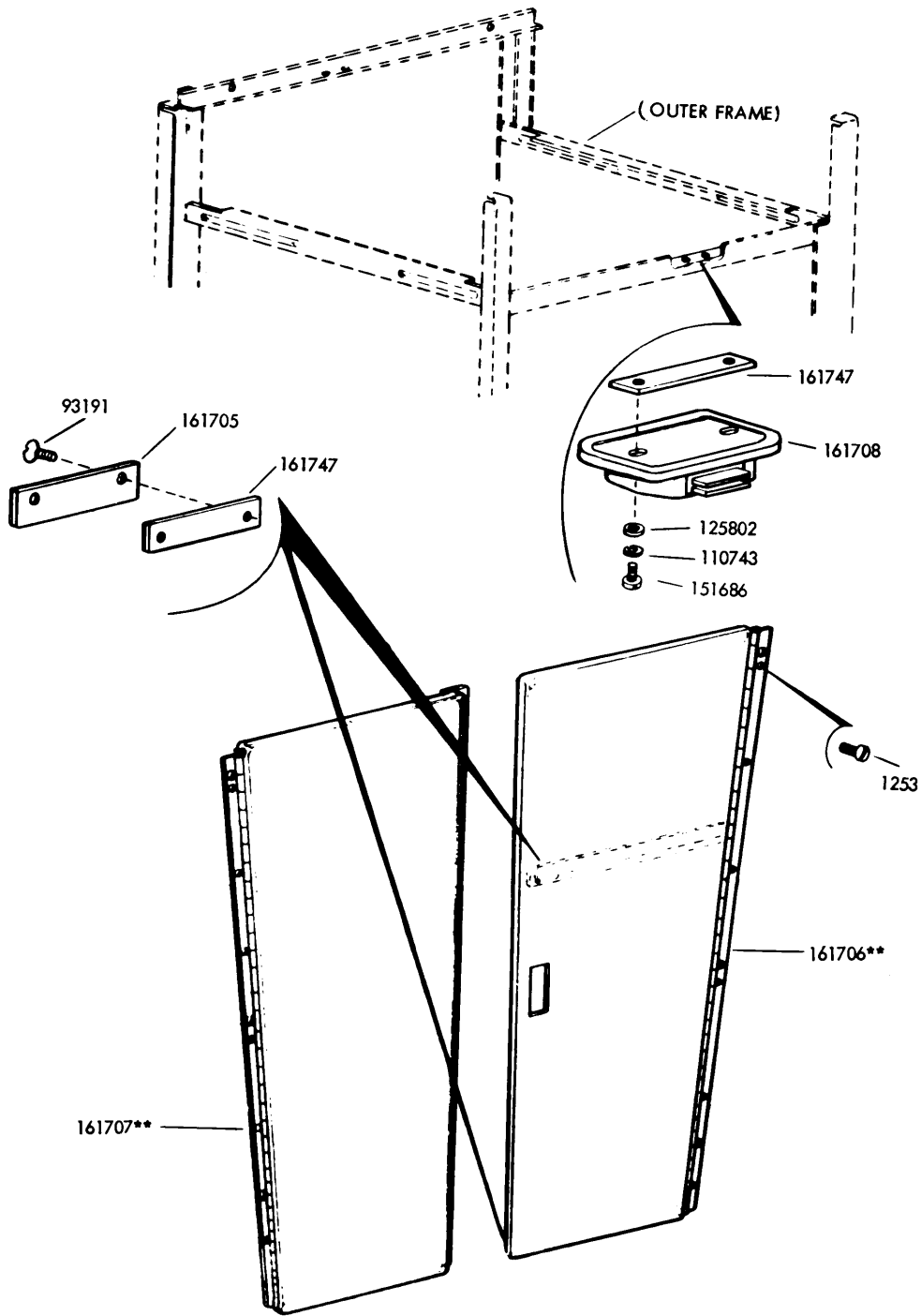


FIGURE 2. 161999** MODIFICATION KIT TO PROVIDE END ENCLOSURES



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FIGURE 3. REAR DOORS AND LATCH MECHANISM

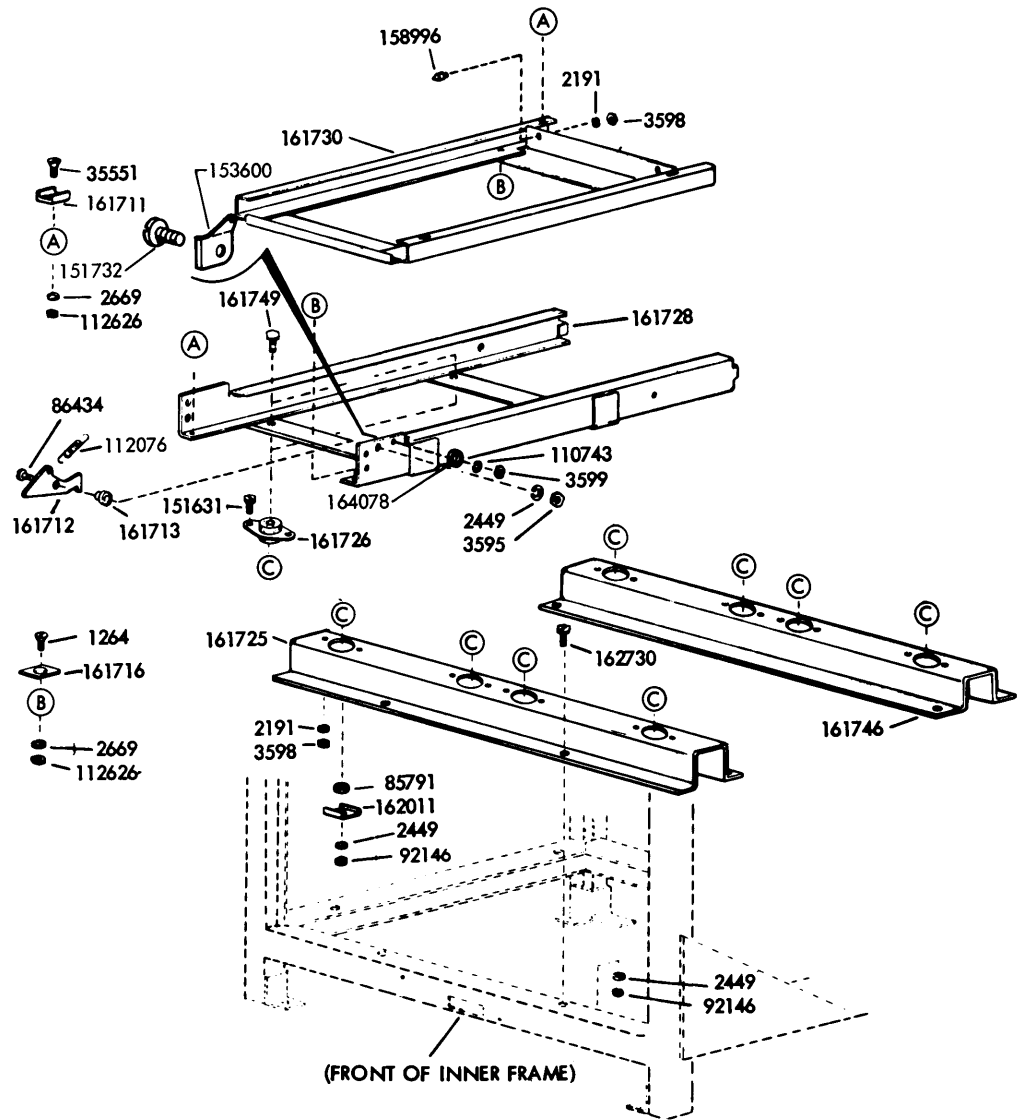


FIGURE 4. CHANNELS

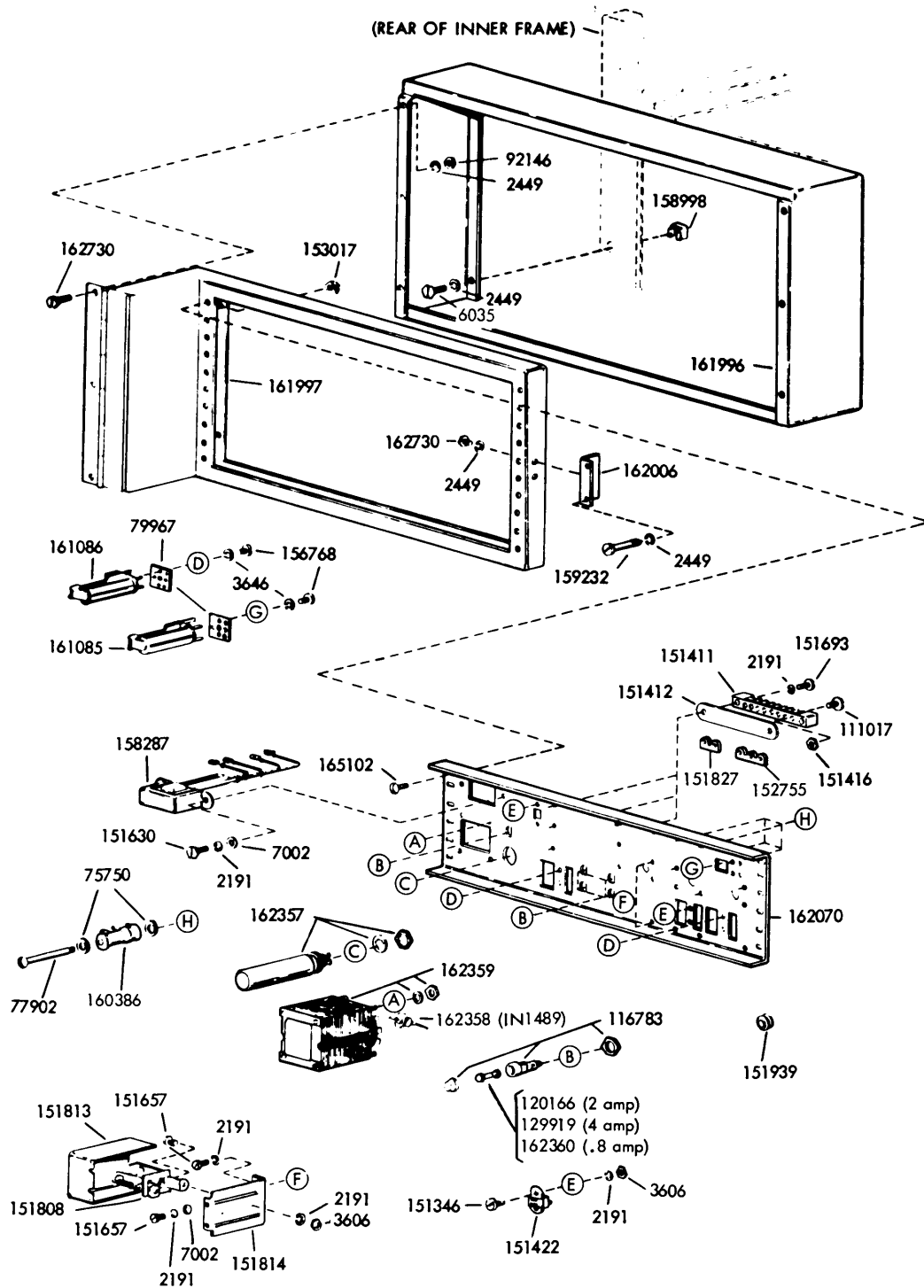


FIGURE 5. ELECTRICAL COMPONENTS

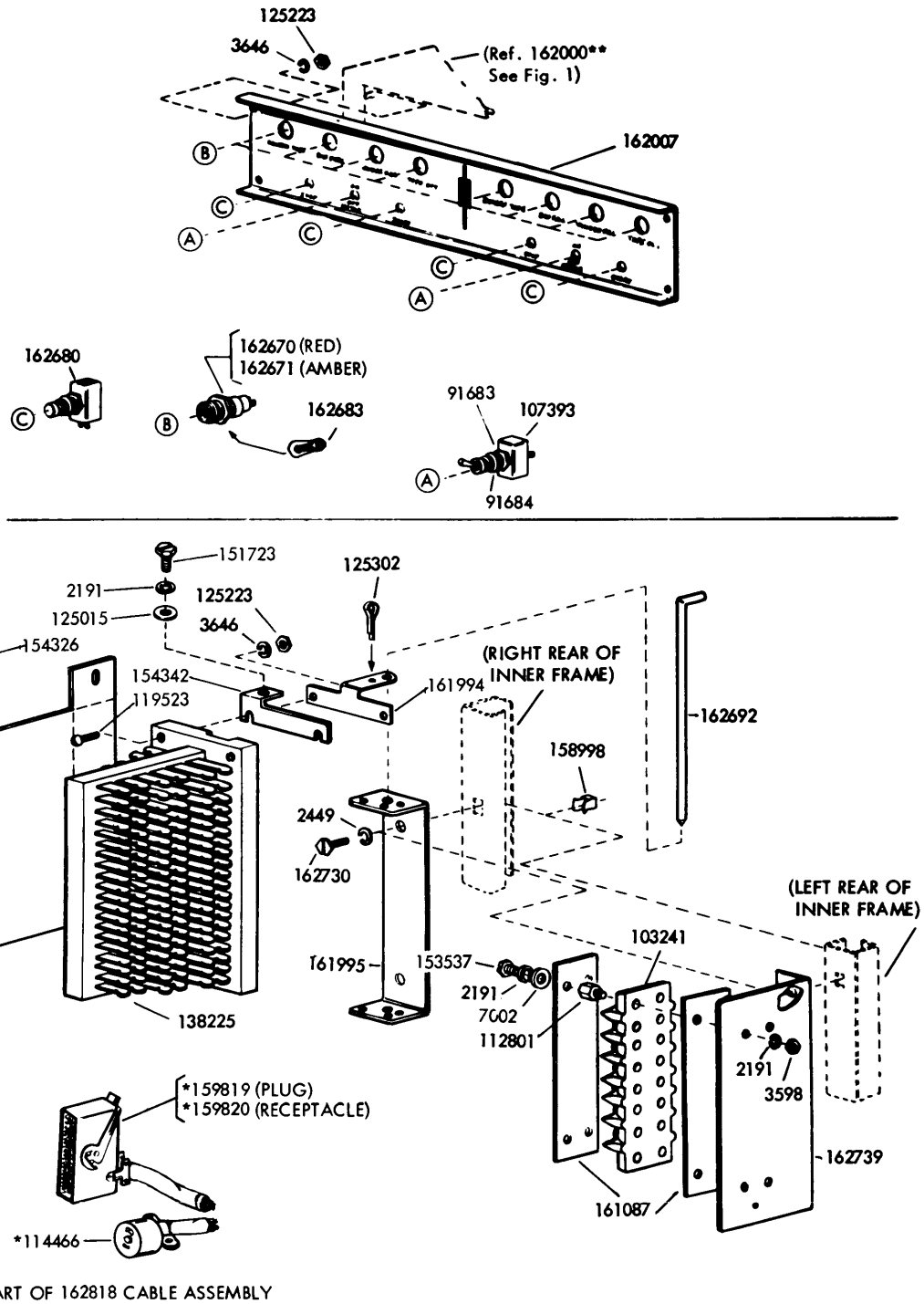


FIGURE 6. CONTROL PANEL AND TERMINAL BLOCKS

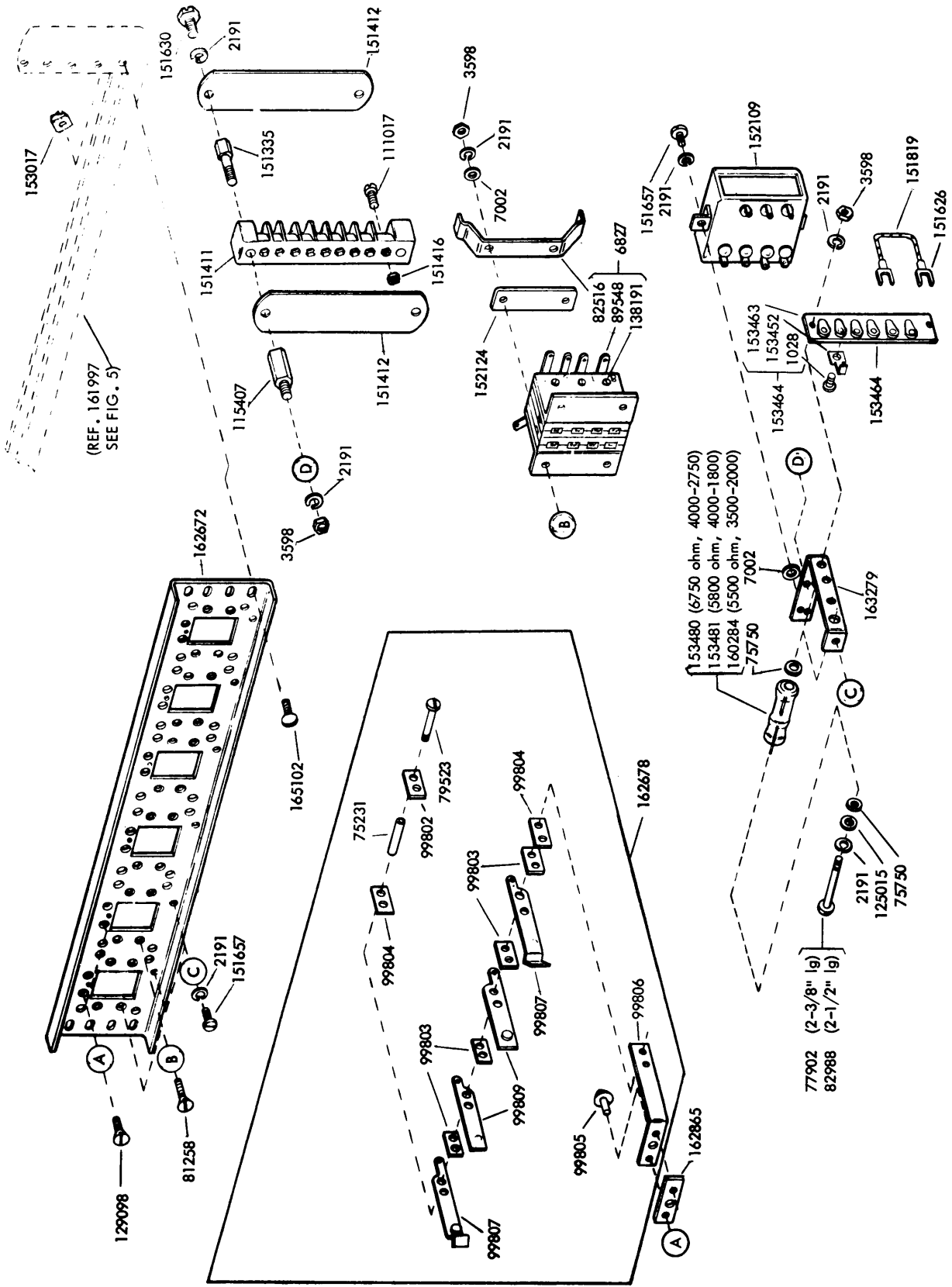


FIGURE 7. LINE RELAY MOUNTING COMPONENTS

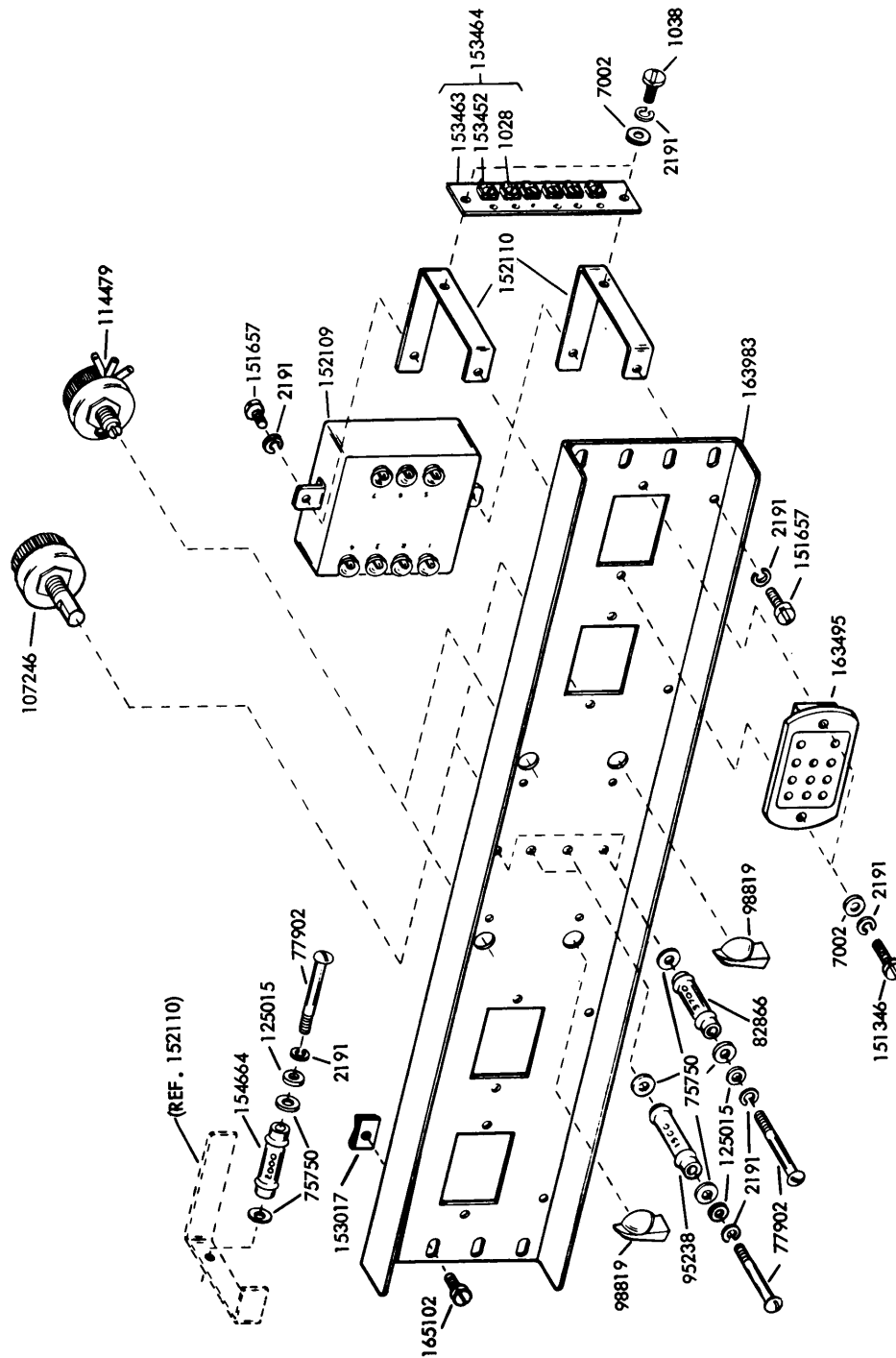


FIGURE 8. RELAY MOUNTING AND COMPONENTS

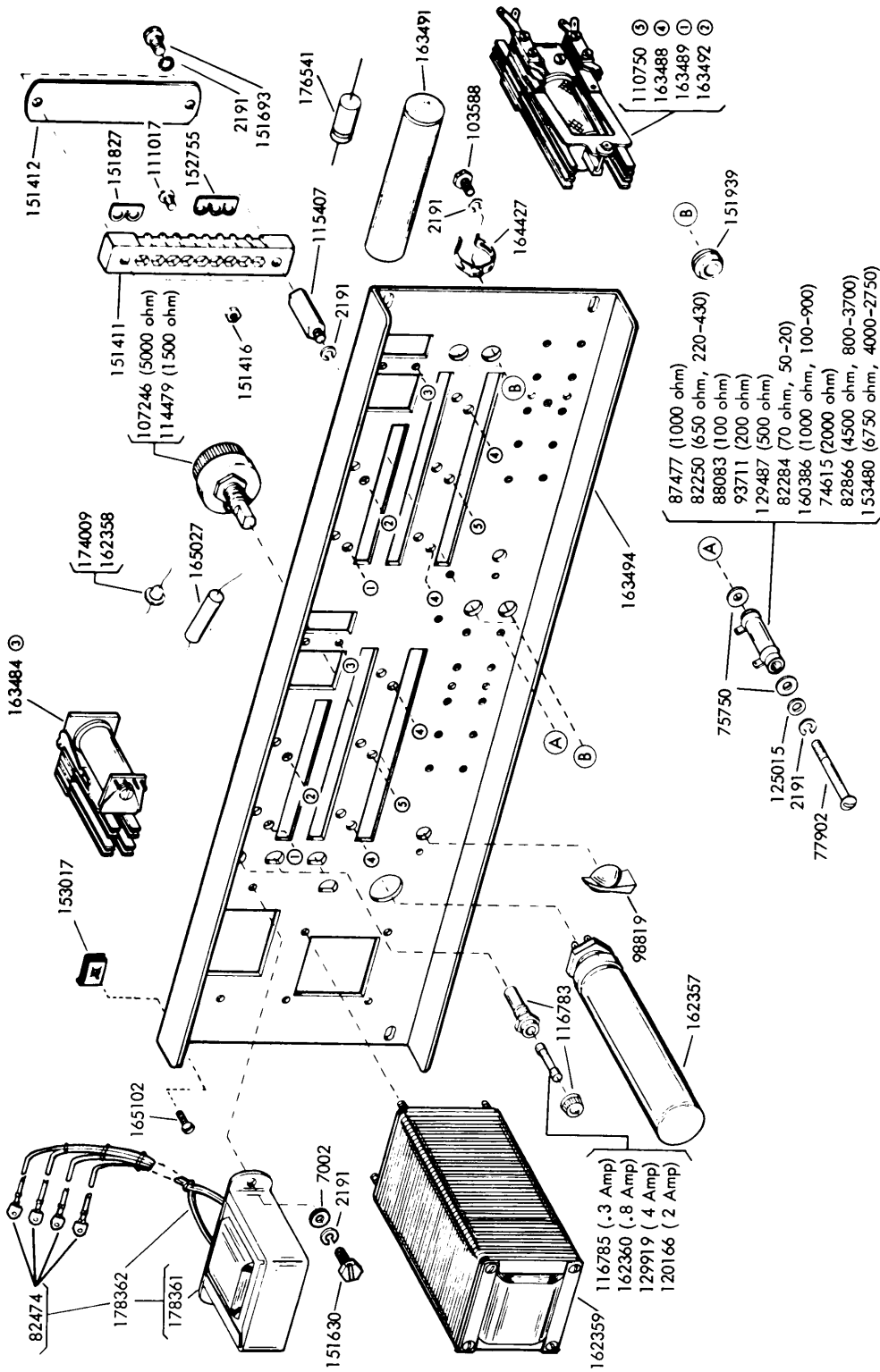


FIGURE 9. CONTROL PLATE AND COMPONENTS

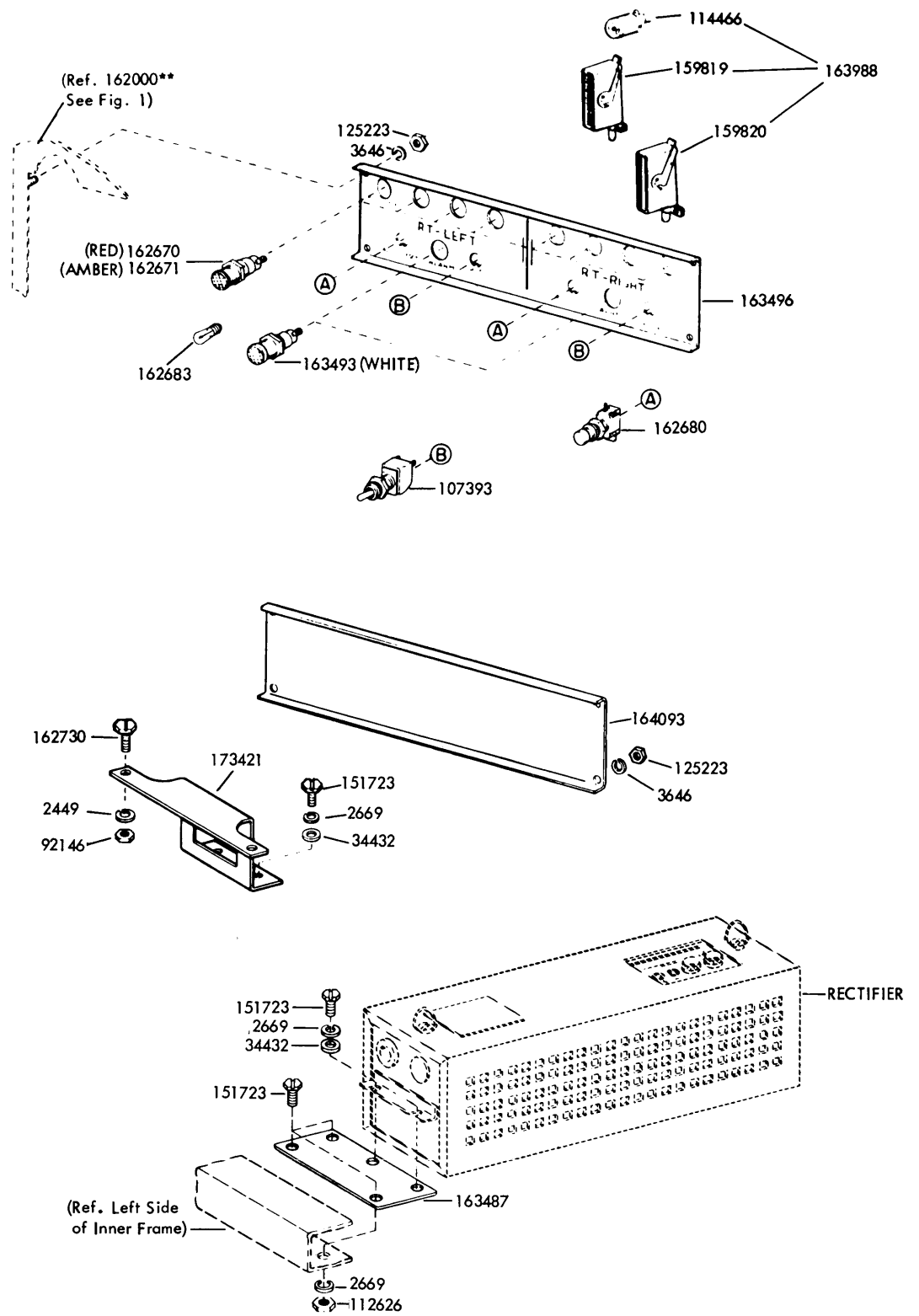


FIGURE 10. RECTIFIER MOUNTING PARTS AND CONTROL PLATE COMPONENTS

Resistors					
Part No.	Ohm	1	2	3	4
172688	3900	○	W	R	G
172689	4300	Y	○	R	G
172690	5100	G	Br	R	G

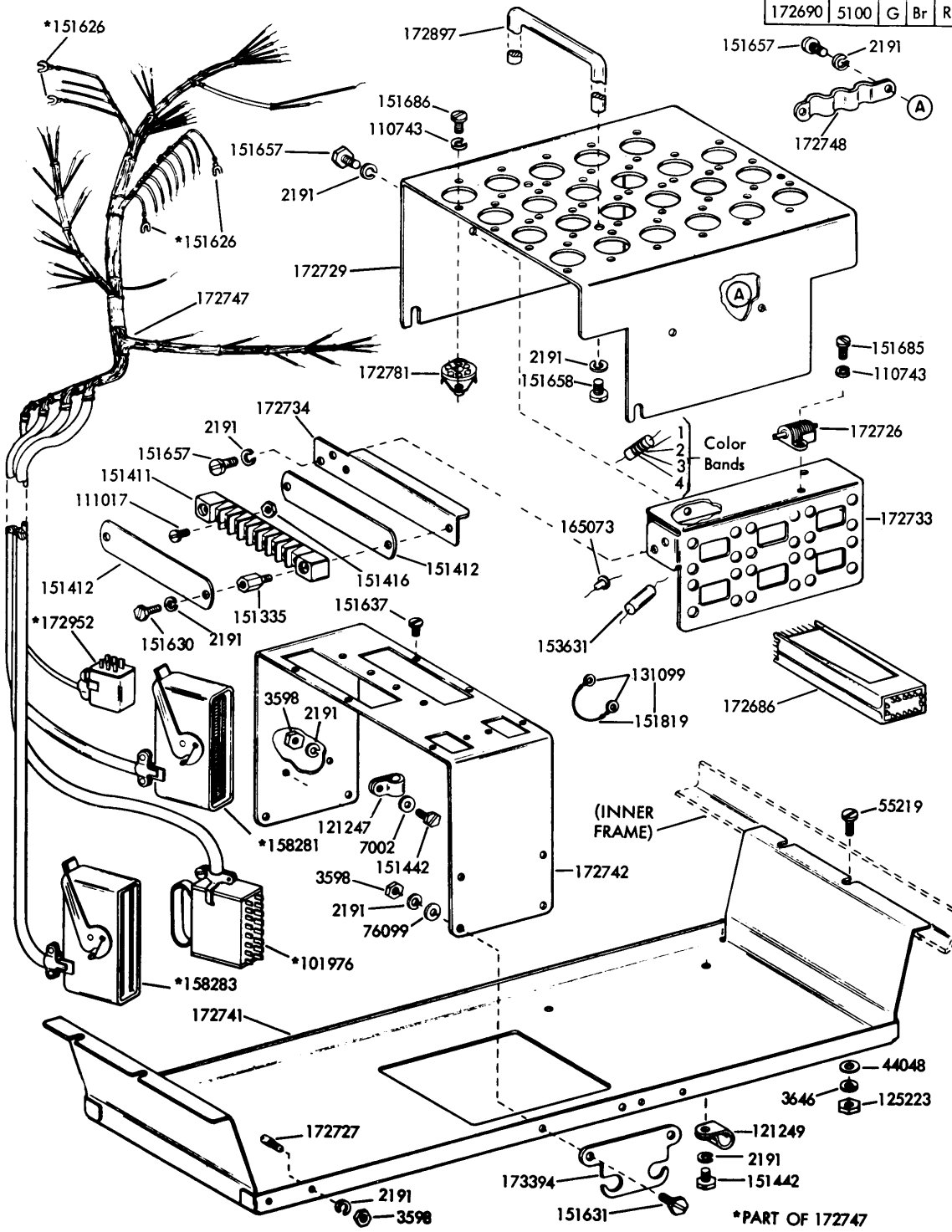


FIGURE 11. RELAY UNIT AND FRAME

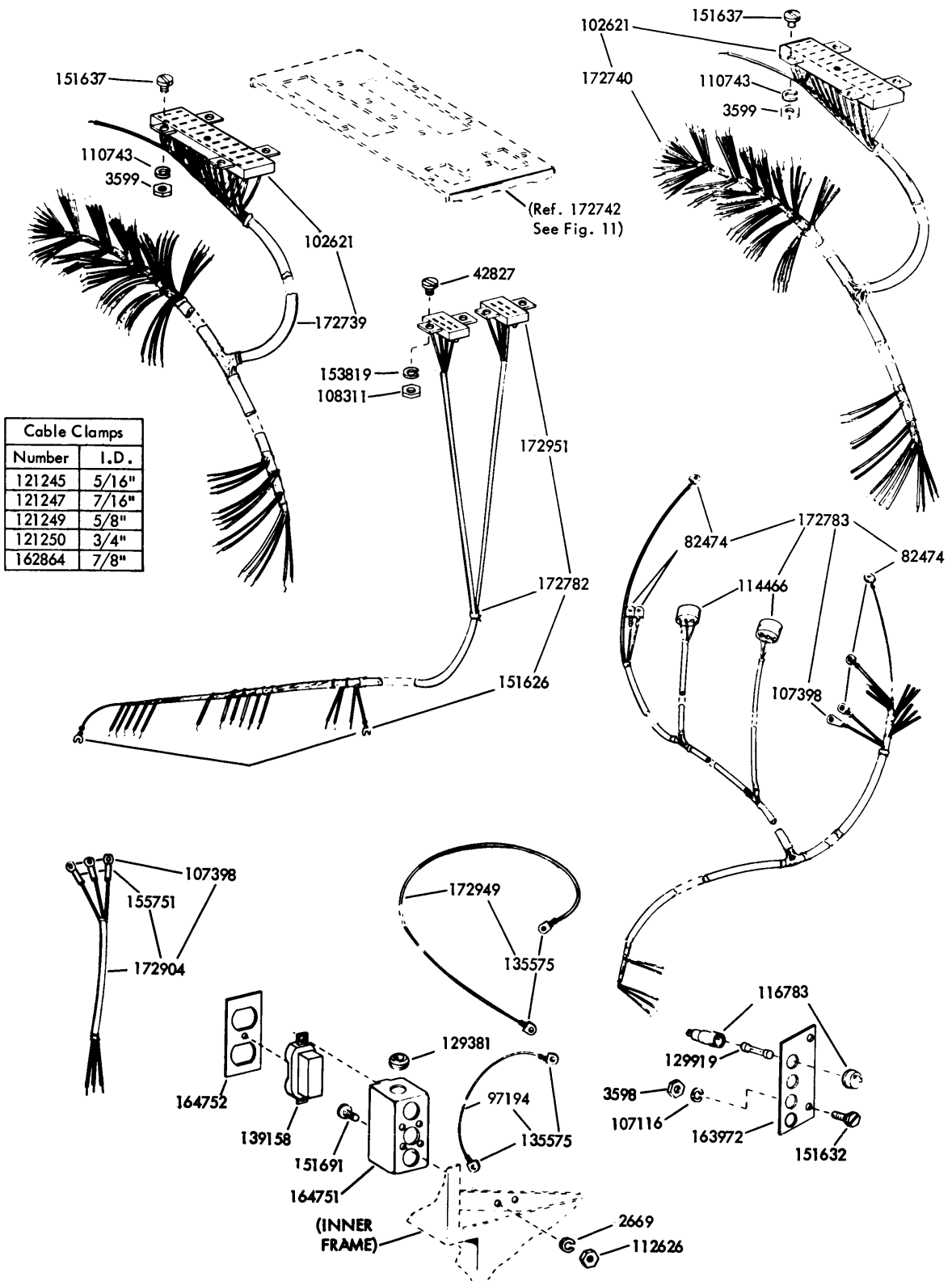


FIGURE 12. CABLE ASSEMBLIES

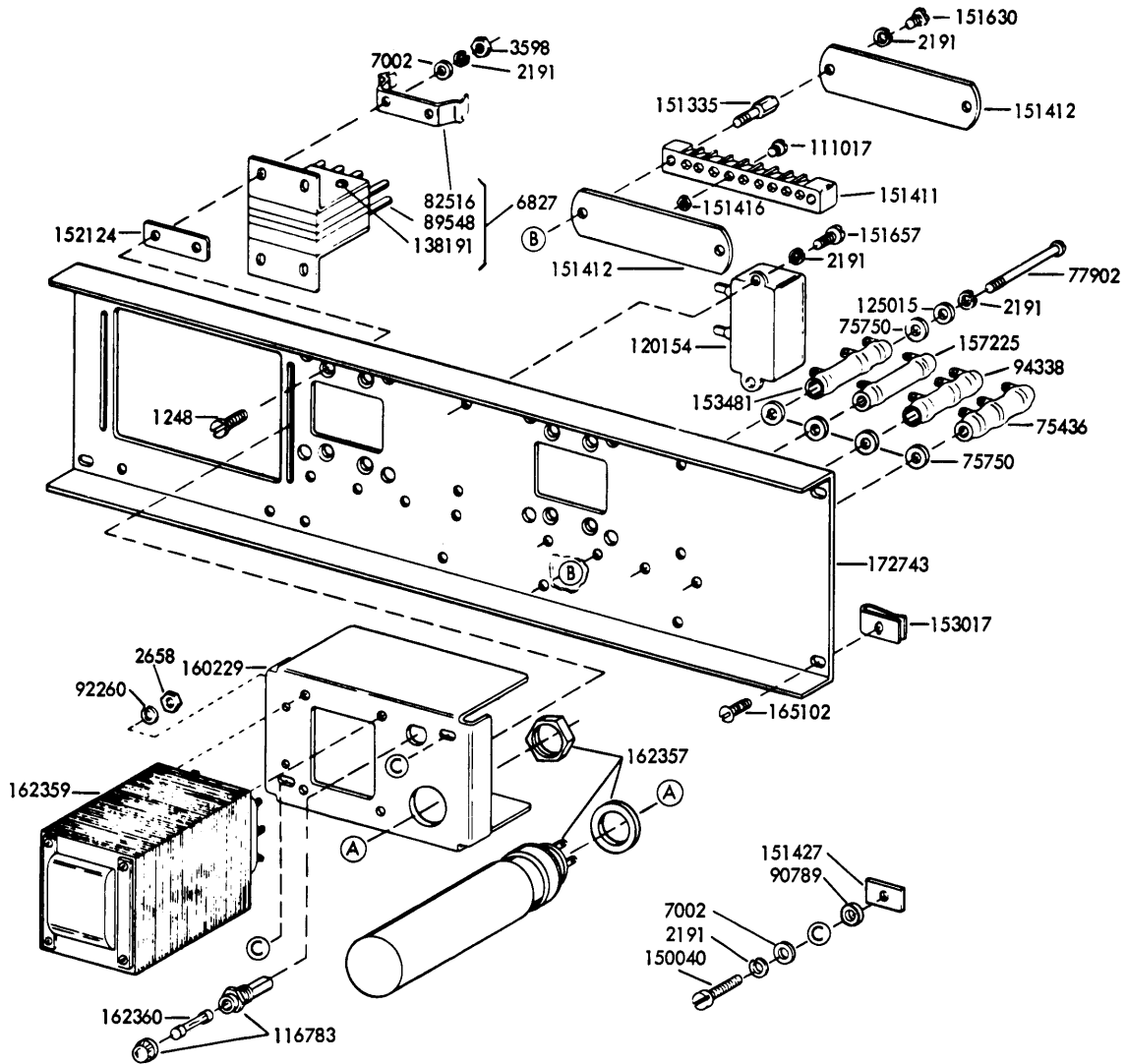


FIGURE 13. RELAY MOUNTING AND COMPONENTS

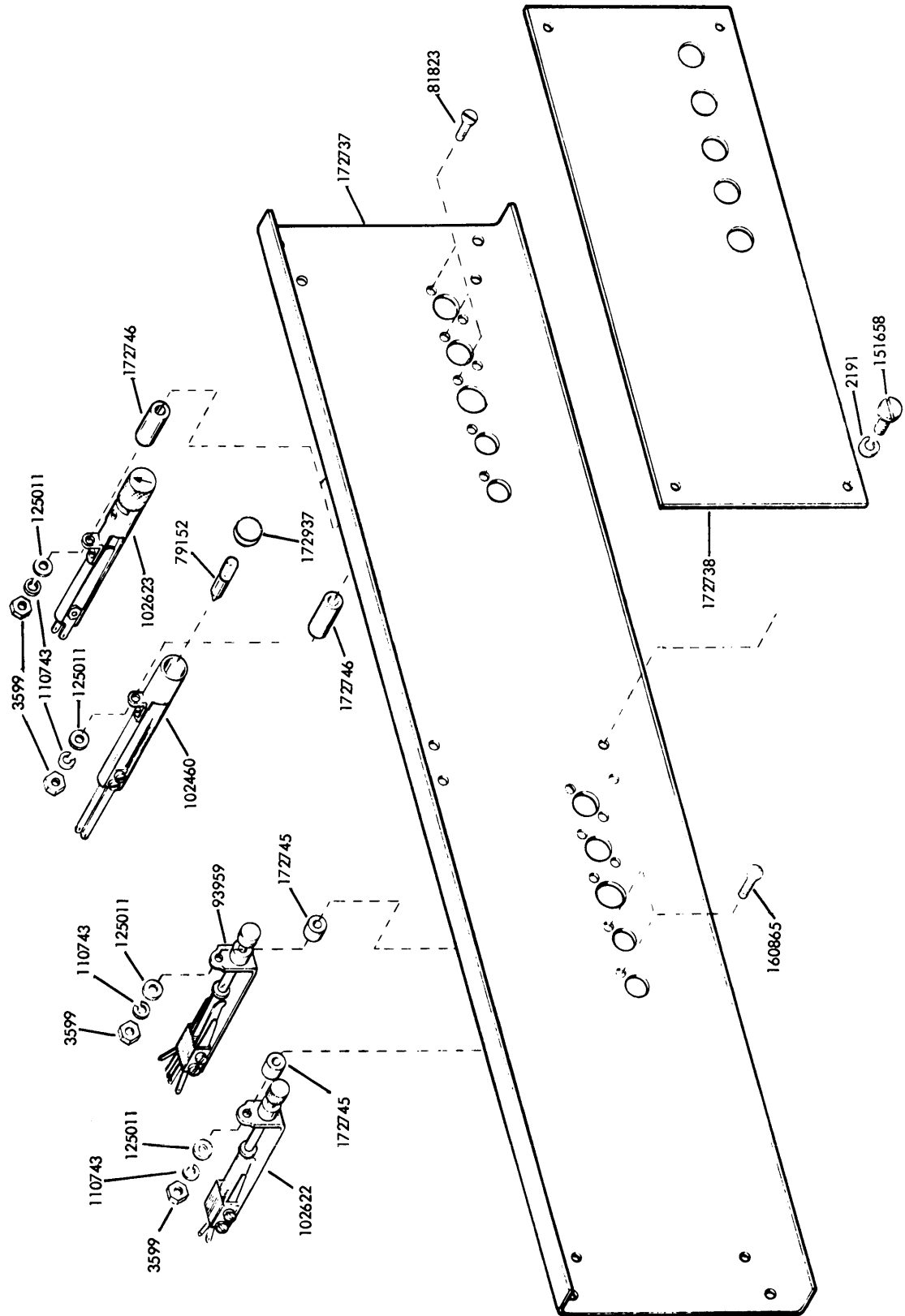


FIGURE 14. PANEL AND COMPONENTS

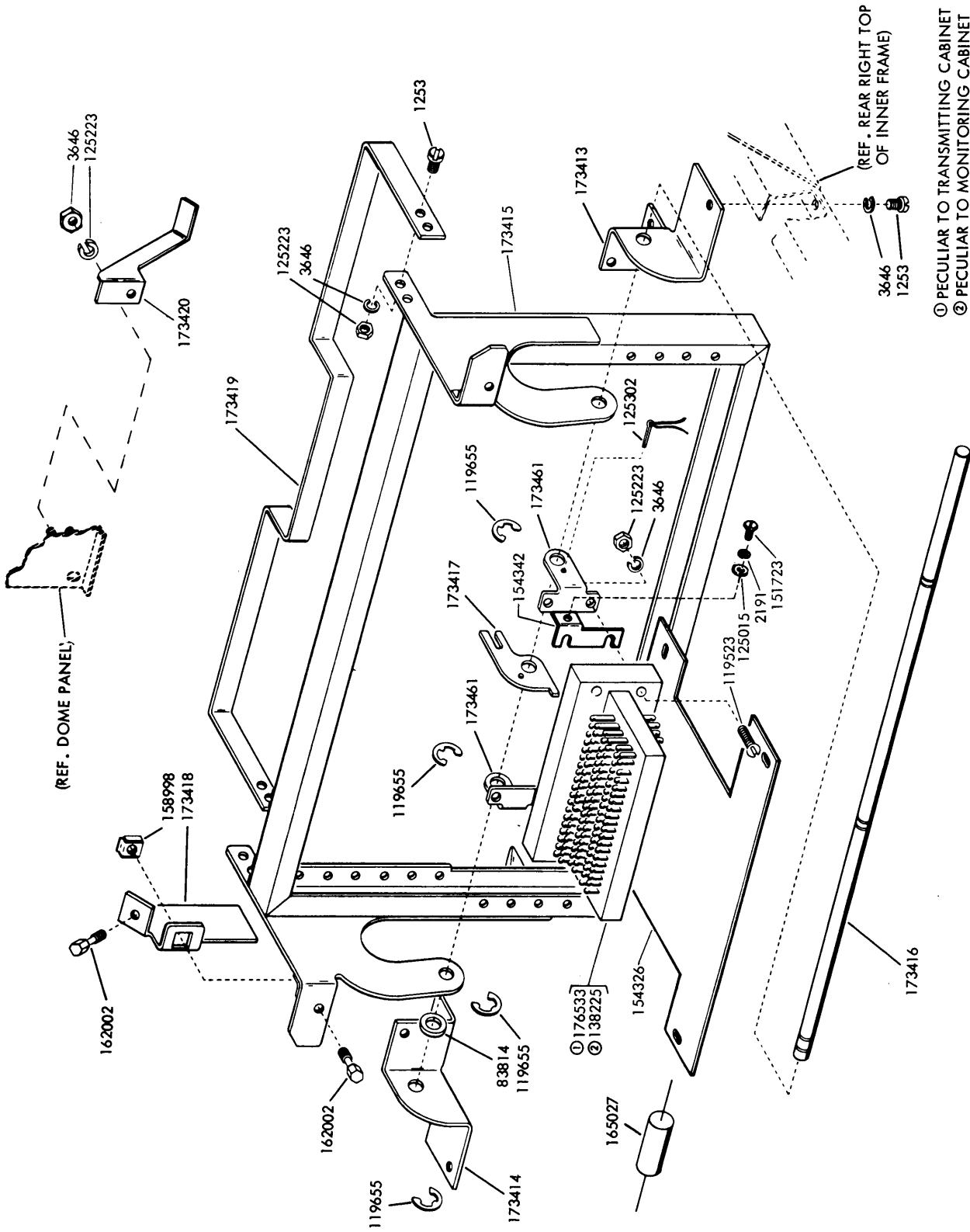


FIGURE 15. MOUNTING RACK FRAME

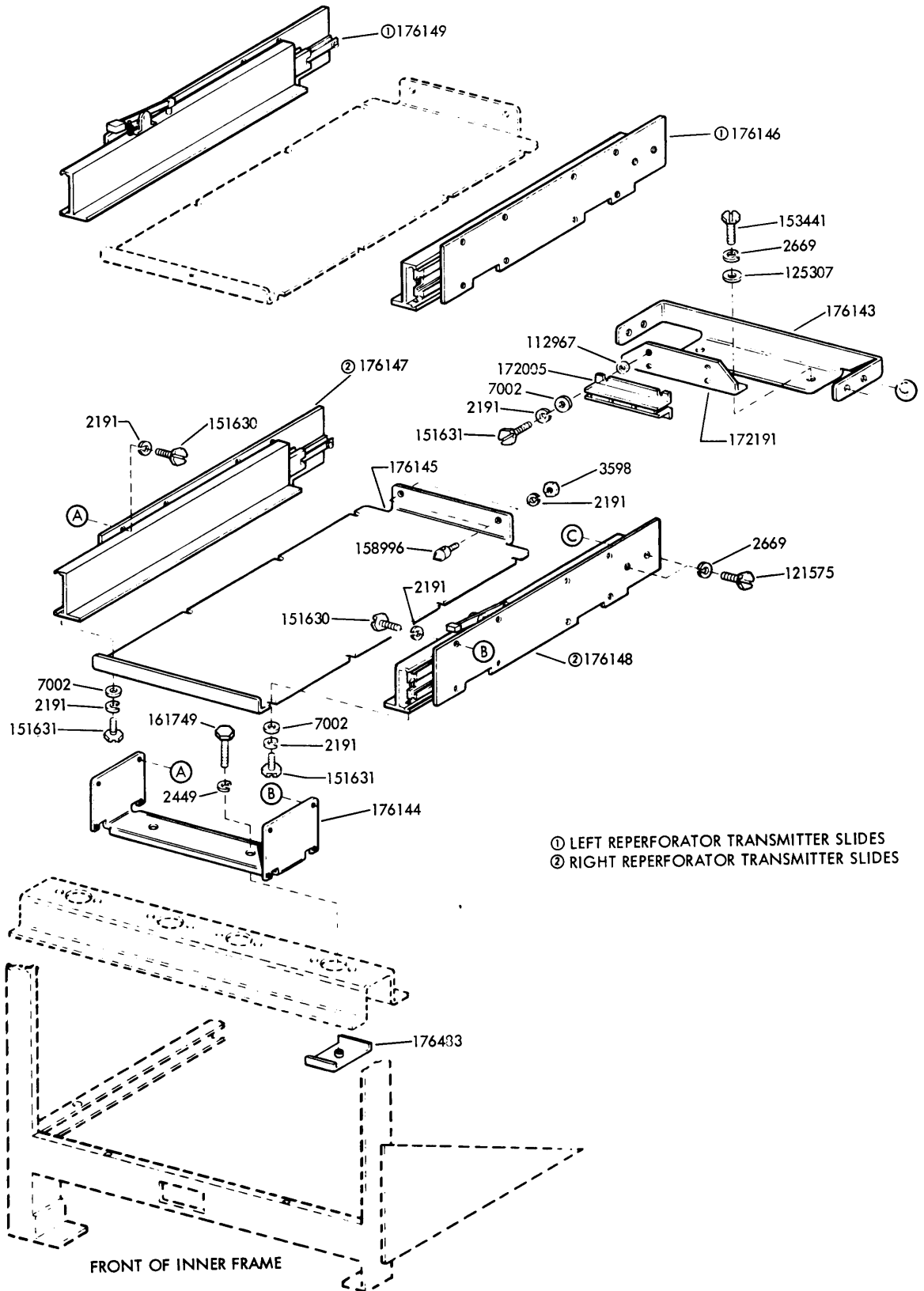


FIGURE 16. 176139 MODIFICATION KIT TO ADD BALL BEARING SLIDES FOR REPERFORATOR TRANSMITTER SETS

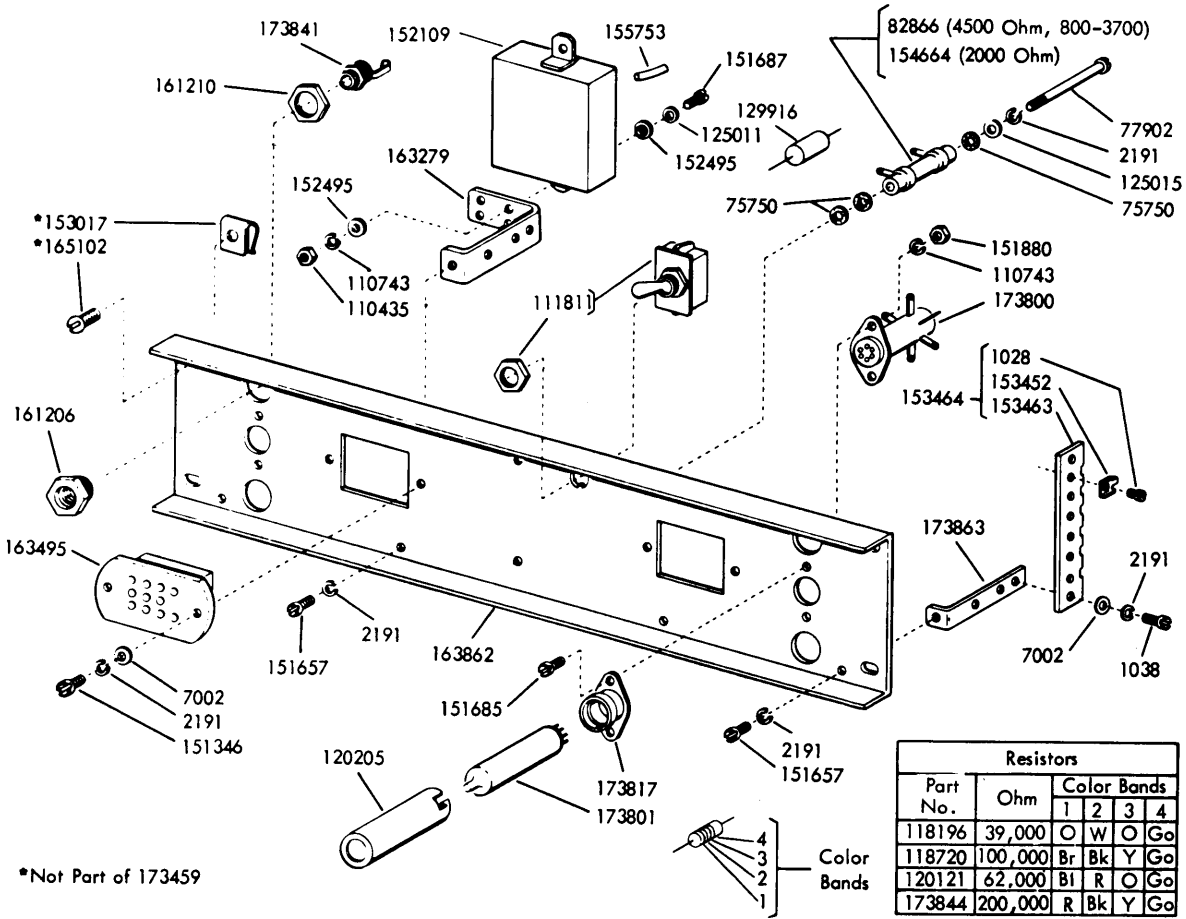
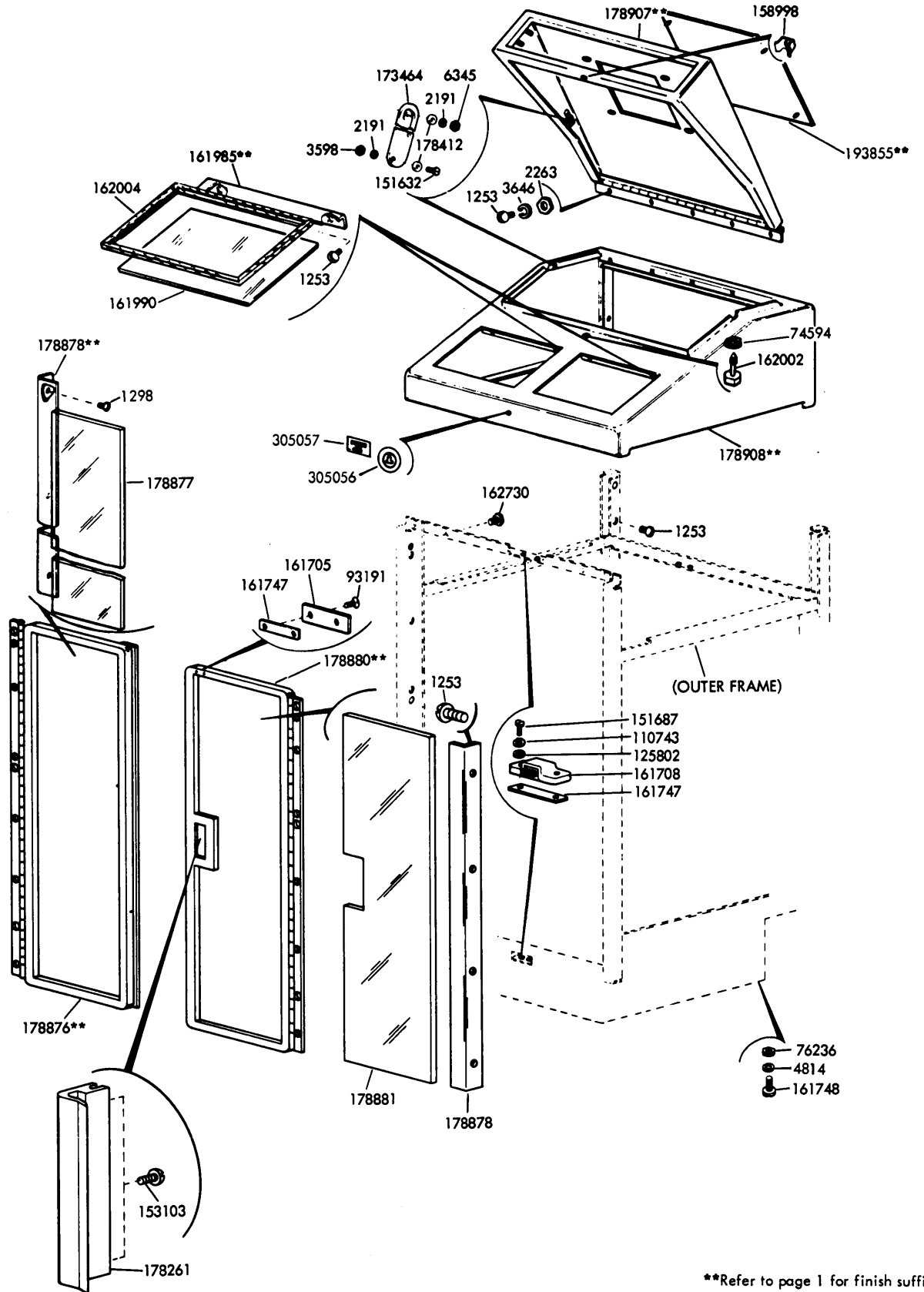


FIGURE 17. 173459 ELECTRONIC KEYSER PLATE ASSEMBLY



**Refer to page 1 for finish suffix

FIGURE 18. FRONT DOORS AND DOME

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1028	Screw (4-40 x 1/4 Fil) 8, 9, 18	92146	Nut (1/4-20 Hex) 2, 3, 5, 6, 11	125307	Washer, Flat 17
1030	Screw, Shoulder (6-40) 2	92260	Washer, Lock 14	125802	Washer, Flat 2, 3, 4, 19
1038	Screw (6-40 x 9/32 Fil) 9, 18	93001	Washer, Flat 2	129098	Screw (6-40 x 11/32 Flat) 8
1248	Screw (6-40 x 1/2 Flat) 14	93191	Screw (4-40 x 5/16 Flat) 2, 4, 19	129381	Grommet, Rubber 13
1253	Screw (8-32 x 3/8 Rd) 2, 3, 4, 16, 19	93711	Resistor (200 Ohms) 10	129487	Resistor (500 Ohms) 10
1264	Screw (10-32 x 1/2 Flat) 5	93959	Key 15	129916	Capacitor (.1 mfd) 18
1298	Screw (8-32 x 1/4 Fil) 2, 19	94338	Resistor (5000 Ohms) 14	129919	Fuse (4 Amp) 6, 10, 13
2191	Washer, Lock 2, 5 to 10, 12, 14 to 19	95238	Resistor (1500 Ohms) 9	131099	Terminal 12
2263	Nut (8-32 Hex) 2, 19	95971	Screw (4-40 x 1/2 Flat)	135575	Terminal 13
2449	Washer, Lock 3, 5, 6, 7, 11, 17	97194	Jumper (8" Black) 13	138191	Screw (3-48 x 1 Rd) 8, 14
2658	Nut (6-32 Hex) 14	98819	Knob 9, 10	138225	Block, Terminal 7, 16
2669	Washer, Lock 5, 11, 13, 17	99802	Plate 8	139158	Connector, Receptacle (Duplex) 13
3595	Nut (1/4-32 Hex) 5	99803	Insulator (.094") 8	150040	Screw (6-40 x 5/8 Fil) 14
3598	Nut (6-40 Hex) 2, 5, 7, 8, 12, 13, 14, 17, 19	99804	Insulator (.062") 8	151335	Stud 8, 12, 14
3599	Nut (4-40 Hex) 5, 13, 15	99805	Plunger 8	151346	Screw (6-40 x 3/8 Fil) 6, 9, 18
3605	Nut (5/16-18 Hex) 2	99806	Bracket 8	151411	Block, Terminal 6, 8, 10, 12, 14
3606	Nut (6-40 Hex) 6	99807	Spring, Contact 8	151412	Insulator (1-9) 6, 8, 10, 12, 14
3610	Spring	99809	Spring, Contact 8	151416	Nut (6-40 Hex) 6, 8, 10, 12, 14
3646	Washer, Lock 2, 6, 7, 11, 12, 16, 19	101976	Connector, Plug (33 Pt) 12	151422	Connector, Receptacle (2 Pt) 6
4814	Washer, Lock 2, 19	102460	Socket, Lamp 15	151427	Plate, Clamp 14
6035	Screw (1/4-20 x 5/8 Hex) 6	102621	Connector, Receptacle (33 Pt) 13	151442	Screw (6-40 x 1/2 Hex) 12
6345	Nut (6-32 Hex) 2, 19	102622	Key 15	151626	Terminal 8, 12, 13
6827	Block 8, 14	102623	Key 15	151630	Screw (6-40 x 1/4 Hex) 2, 6, 8, 10, 12, 14, 17
7002	Washer, Flat 6 to 10, 12, 14, 17, 18	103081	Screw (1/4-20 x 1/2 Fil) 3	151631	Screw (6-40 x 5/16 Hex) 5, 12, 17
8185	Screw (1/4-20 x 3/4 Fil) 2	103241	Block, Terminal 7	151632	Screw (6-40 x 3/8 Hex) 2, 13, 19
34432	Washer, Flat 11	103588	Screw (6-40 x 1/8 Hex) 10	151637	Screw (4-40 x 1/4 Fil) 12, 13
35551	Screw (10-32 x 3/8 Fil) 5	107116	Washer, Lock 13	151657	Screw (6-40 x 1/4 Fil) 6, 8, 9, 12, 14, 18
42827	Screw (3-48 x 1/4 Fil) 13	107246	Rheostat (5000 Ohms) 9, 10	151658	Screw (6-40 x 5/16 Fil) 12, 15
44048	Washer, Flat 12	107393	Switch, Toggle (SP-ST) 7, 11	151685	Screw (4-40 x 5/16 Fil) 12, 18
55219	Screw (8-32 x 3/8 Fil) 12	107398	Terminal 13	151686	Screw (4-40 x 3/8 Fil) 4, 12
74594	Ring, Retaining 2, 19	108311	Nut (3-48 Hex) 13	151687	Screw (4-40 x 7/16 Hex) 2, 3, 18, 19
74615	Resistor (2000 Ohms) 10	110435	Nut (4-40 Hex) 18	151691	Screw (10-32 x 3/8 Fil) 13
75231	Bushing, Insulating 8	110743	Washer, Lock 2 to 5, 12, 13, 15, 18, 19	151693	Screw (6-40 x 9/16 Hex) 6, 10
75436	Resistor (3000 Ohms) 14	110750	Relay 10	151723	Screw (10-32 x 3/8 Hex) 7, 11, 16
75750	Washer, Insulating 6, 8, 9, 10, 14, 18	111017	Screw (6-40 x 5/16 Fil) 6, 8, 10, 12, 14	151732	Screw (4-40 x 11/32 Fil) 5
76099	Washer, Flat 12	111811	Switch, Toggle 18	151808	Relay (1250 Ohms) 6
76236	Nut (5/16-18 Hex) 19	112076	Spring 5	151813	Cover 6
76862	Screw (1/4-20 x 1 Rd) 2	112626	Nut (10-32 Hex) 5, 11, 13	151814	Bracket 6
77902	Scr w (6-40 x 2-3/8 Rd) 6, 8, 9, 10, 14, 18	112801	Stud 7	151819	Jumper (3" Blck) 8, 12
79152	Lamp 15	112967	Washer, Flat 17	151827	Strap, Terminal 6, 10
79523	Screw (2-56 x 25/32 Fil) 8	114466	Connector, Receptacle (2 Pt) 7, 11, 13	151880	Nut (4-40 Hex) 18
79967	Insulator 6	114479	Rheostat (1500 Ohms) 9, 10	151939	Grommet, Rubber 6, 10
81258	Screw (6-40 x 5/8 Flat) 8	115407	Post 8, 10	152109	Filter 8, 9, 18
81823	Screw (4-40 x 1-3/32 Flat) 15	115594	Nut, Speed (8-32) 3	152110	Bracket 9
82250	Resistor (650 Ohms) 10	116783	Holder, Fuse 6, 10, 13, 14	152124	Spacer 8, 14
82284	Resistor (70 Ohms) 10	116785	Fuse (.3 Amp) 10	152495	Bushing 18
82474	Terminal 10, 13	118196	Resistor (39,000 Ohms) 18	152755	Strap, Terminal 6, 10
82516	Spring, Retaining 8, 14	118720	Resistor (100,000 Ohms) 18	153017	Nut, Speed (12-24) 6, 8, 9, 10, 14, 18
82866	Resistor (4500 Ohms) 9, 10, 18	118865	Cover 2	153103	Screw, Self-Tapping (4-40) 19
82988	Screw (6-40 x 2-1/2 Rd) 8	119523	Screw (8-32 x 3/4 Rd) 7, 16	153441	Screw (10-32 x 7/16 Hex) 17
83814	Washer, Flat 16	119655	Ring, Retaining 16	153452	Terminal 8, 9, 18
85791	Washer, Flat 5	120121	Resistor (62,000 Ohms) 18	153463	Block, Terminal 8, 9, 18
86434	Screw (1/4-32 x 3/4 Fil) 5	120154	Capacitor (25 mfd) 14	153464	Block, Terminal 8, 9, 18
87477	Resistor (1000 Ohms) 10	120166	Fuse (2 Amp) 6, 10	153480	Resistor (6750 Ohms) 8, 10
88083	Resistor (100 Ohms) 10	120205	Shield, Tube 18	153481	Resistor (5800 Ohms) 8, 14
89548	Spring, Contact 8, 14	121245	Clamp, Cable (5/16" ID) 13	153537	Screw (6-40 x 9/32 Hex) 7
90789	Washer, Flat 14	121247	Clamp, Cable (7/16" ID) 12, 13	153600	Bracket, Spring 5
91683	Nut (15/32-32 Hex) 7	121249	Clamp, Cable (5/8" ID) 12, 13	153819	Washer, Lock 13
91684	Nut (15/32-32 Ring) 7	121250	Clamp, Cable (3/4" ID) 13	154326	Cover, Insulating 7, 16
		121575	Screw (10-32 x 5/16 Hex) 17		
		125011	Washer, Flat 15, 18		
		125015	Washer, Flat 7 to 10, 14, 16, 18		
		125223	Nut (8-32 Hex) 7, 11, 12, 16		
		125302	Pin, Cotter 7, 16		

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Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
154342	Bracket, Insulating Cover 7, 16	162011	Channel, Stop 5	172745	Bushing (.406" Lg) 15
154664	Resistor (2000 Ohms) 9, 18	162070	Plate, Mounting 6	172746	Bushing (.703" Lg) 15
155751	Sleeve, Insulating (1/8 ID x 1" Lg) 13	162195	Arm, Slide 2	172747	Cable Assembly 12
155753	Sleeve, Insulating (1/8 ID x 1/2" Lg) 18	162357	Capacitor (500 mfd) 6, 10, 14	172748	Clamp, Cable 12
156768	Screw (8-32 x 9/32 Hex) 6	162358	Diode, Silicon 6, 10	172781	Socket 12
157225	Resistor (2000 Ohms) 14	162359	Transformer 6, 10, 14	172782	Cable Assembly 13
158281	Connector, Plug (32 Pt) 12	162360	Fuse (.8 Amp) 6, 10, 14	172783	Cable Assembly 13
158283	Connector, Receptacle (32 Pt) 12	162627	Nut (#6 Speed) 2	172897	Handle 12
158287	Transformer Assembly 6	162670	Light, Pilot (Red) 7, 11	172904	Cable w/Terminals 13
158996	Stud 5, 17	162671	Light, Pilot (Amber) 7, 11	172937	Cap, Lamp (Whit) 15
158998	Retainer, Speed Nut 2, 6, 7, 16, 19	162672	Plate, Relay 8	172949	Jumper (70" Gr en) 13
159232	Screw, Captive (1/4-20) 6	162678	Contact Assembly, Line Shunt 8	172951	Connector, Receptacle (6 Pt) 13
159819	Connector, Plug (32 Pt) 7, 11	162680	Switch, Push 7, 11	172952	Connector, Plug (6 Pt) 12
159820	Connector, Receptacle (32 Pt) 7, 11	162683	Lamp, Incandescent (Clear) 7, 11	173394	Hanger, Cable 12
160229	Plate, Mounting 14	162687	Screw (6x1/2 Spl) 2	173413	Bracket, Right Mounting 16
160284	Resistor (5500 Ohms) 8	162692	Pin, Hinge 7	173414	Bracket, Left Mounting 16
160386	Resistor (1000 Ohms) 6, 10	162730	Screw (1/4-20 x 7/16 Hex) 2, 5, 6, 7, 11, 19	173415	Frame, Mounting Rack 16
160865	Screw (4-40 x 7/8 Flat) 15	162739	Bracket, Terminal Board 7	173416	Shaft 16
161085	Relay 6	162818	Cable Assembly 7	173417	Plate, Locating 16
161086	Relay 6	162864	Clamp, Cable (7/8" ID) 13	173418	Bracket, Left Anchor 16
161087	Insulator (1-6) 7	162865	Spacer 8	173419	Handle 16
161206	Bushing, Insulating 18	163163	Pad 2	173420	Arm, Stop 16
161210	Nut (11/16 x 32 Hex) 18	163279	Bracket, Mounting 8, 18	173421	Bracket, Rectifier Mounting 11
161705	Strike, Fastener 2, 4, 19	163484	Relay 10	173459	Plate Assembly 18
161706**	Door, Right Rear 4	163487	Plate, Rectifier 11	173461	Bracket, Terminal Block 16
161707**	Door, Left Rear 4	163488	Relay 10	173464	Arm 2, 19
161708	Latch, Magnetic 2, 3, 4, 19	163489	Relay 10	173800	Turret, Socket 18
161711	Block, Guide 5	163491	Capacitor (250 mfd) 10	173801	Tube, Vacuum 18
161712	Latch, Lever 5	163492	Relay 10	173817	Base, Tube Shield 18
161713	Bushing, Shoulder 5	163493	Light, Pilot (White) 11	173841	Jack 18
161716	Block, Support 5	163494	Plate, Mounting 10	173844	Resistor (200,000 Ohms) 18
161725	Channel, Front 5	163495	Base, Mounting 9, 18	173863	Bracket, Mounting 18
161726	Mount, Vibration 5	163496	Panel, Control 11	174009	Diode 10
161728	Support, Channel 5	163862		174456	Plate, Nut 2
161730	Frame, Mounting 5	163972	Strip, Fuse Mounting 13	176139	Modification Kit 1
161731	Plate, Cover 3	163983	Plate, Relay 9	176143	Bracket 17
161733**	Door, Left 2	163988	Cable Assembly 11	176144	Bracket 17
161734	Window 2	164078	Washer, Flat 5	176145	Tray 17
161736**	Door, Right 2	164081	Spacer (.375" Thk) 2	176146	Slide, Right (L ft RT Set) 17
161746	Channel, Rear 5	164093	Panel, Control 11	176147	Slide, Left (Right RT Set) 17
161747	Plate, Nut 2, 4, 19	164427	Clip, Capacitor 10	176148	Slide, Right (Right RT Set) 17
161748	Screw (5/16-18 x 5/8 Flat) 2, 3, 19	164751	Box, Junction 13	176149	Slide, Left (L ft RT Set) 17
161749	Screw (1/4-20 x 1-1/2 Hex) 5, 17	164752	Plate, Cover 13	176483	Channel, Stop 17
161752	Channel, Duct 3	164754	Plate, Name (Bell) 2	176533	Block, Terminal 16
161753**	Panel, Left Side 3	165027	Network, Spark Suppression 10, 16	176541	Capacitor (3 mfd) 10
161754**	Panel, Right Side 3	165073	Diode 12	178261	Handle, Door 19
161985**	Bracket, Clip 2, 19	165102	Screw (12-24 x 3/8 Rd) 6, 8 to 10, 14, 18	178361	Transformer 10
161986	Cover, Duct 3	172005	Latch, Magnetic 17	178362	Transformer Assembly 10
161987	Plate, Duct 3	172191	Bracket, Latch 17	178412	Bushing 2, 19
161990	Window 2, 19	172686	Relay 12	178876**	Door, Left 19
161991	Window 2	172688	Resistor (3900 Ohms) 12	178877	Window 19
161994	Bracket, Terminal Block 7	172689	Resistor (4300 Ohms) 12	178878**	Bracket, Clip 19
161995	Bracket, Terminal Block 7	172690	Resistor (5100 Ohms) 12	178880**	Door, Right 19
161996	Frame, Mounting 6	172726	Resistor (250 Ohms) 12	178881	Window 19
161997	Frame, Mounting Rack 6, 8	172727	Post, Cover Mounting 12	178907**	Cover 19
161998	Plate, Name (Teletype) 2	172729	Plate, Mounting 12	178908**	Frame, Top 19
161999**	Modification Kit 1, 3	172733	Plate, Relay 12	193855**	Cover w/Clip 2, 19
162000**	Frame, Top 2, 7, 11	172734	Bracket 12	305056	Plate, Identification 2, 19
162001**	Dome 2	172737	Panel, Control 15	305057	Plate, Identification 2, 19
162002	Screw, Captive (1/4-20) 2, 16, 19	172738	Cover, Designation 15		
162004	Gasket 2, 19	172739	Cable Assembly 13		
162005**	Bracket, Clip 2	172740	Cable Assembly 13		
162006	Bracket 6	172741	Sh If 12		
162007	Panel, Control 7	172742	Bracket, Sh If 12, 13		
		172743	Plate, Relay 14		

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