

28 RECEIVING - ONLY REPERFORATOR OR TAPE PRINTER BASE (LRB)
and
28 RECEIVING - ONLY MULTIPLE REPERFORATOR BASE (LMRB)
PARTS

PAINT FINISH COLOR CODE CHART				
COLOR	Finish Suffixes			
	Wrinkle Finish	Smooth Finish	Textured Vinyl	Smooth Vinyl
Black	AA(37)	BA(34)		
Black, High Gloss	AD(38)			
Brown, Dark	AC(39)		GA(45)	HB(68)
Brown, Light	AB(40)			
Gray, Green				HF(46)
Gray, Light				
Gray, Olive				
Green, Gray	AB(40)		GA(45)	

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

NOTE:

When ordering parts from this section
prefix each number with the letters TP

UNIT DESCRIPTION	TELETYPE CODE	BELL SYSTEM CODE
REPERFORATOR BASE	LRB3	28A
	LRB5	28C
	LRB21	28D
	LRB50	28F
	LRB59	28G
MULTIPLE REPERFORATOR BASE	LMRB201**	28B
GEAR SETS AUXILIARY BASE	161811 (60 WPM)	28S
	161812 (75 WPM)	28T
	161813 (100 WPM)	28U
SPROCKET & BELT SETS	161680 (60WPM)	28K
	162213 (75WPM)	28L
	162217 (100WPM)	28M

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**Refer to page 1 for finish suffix

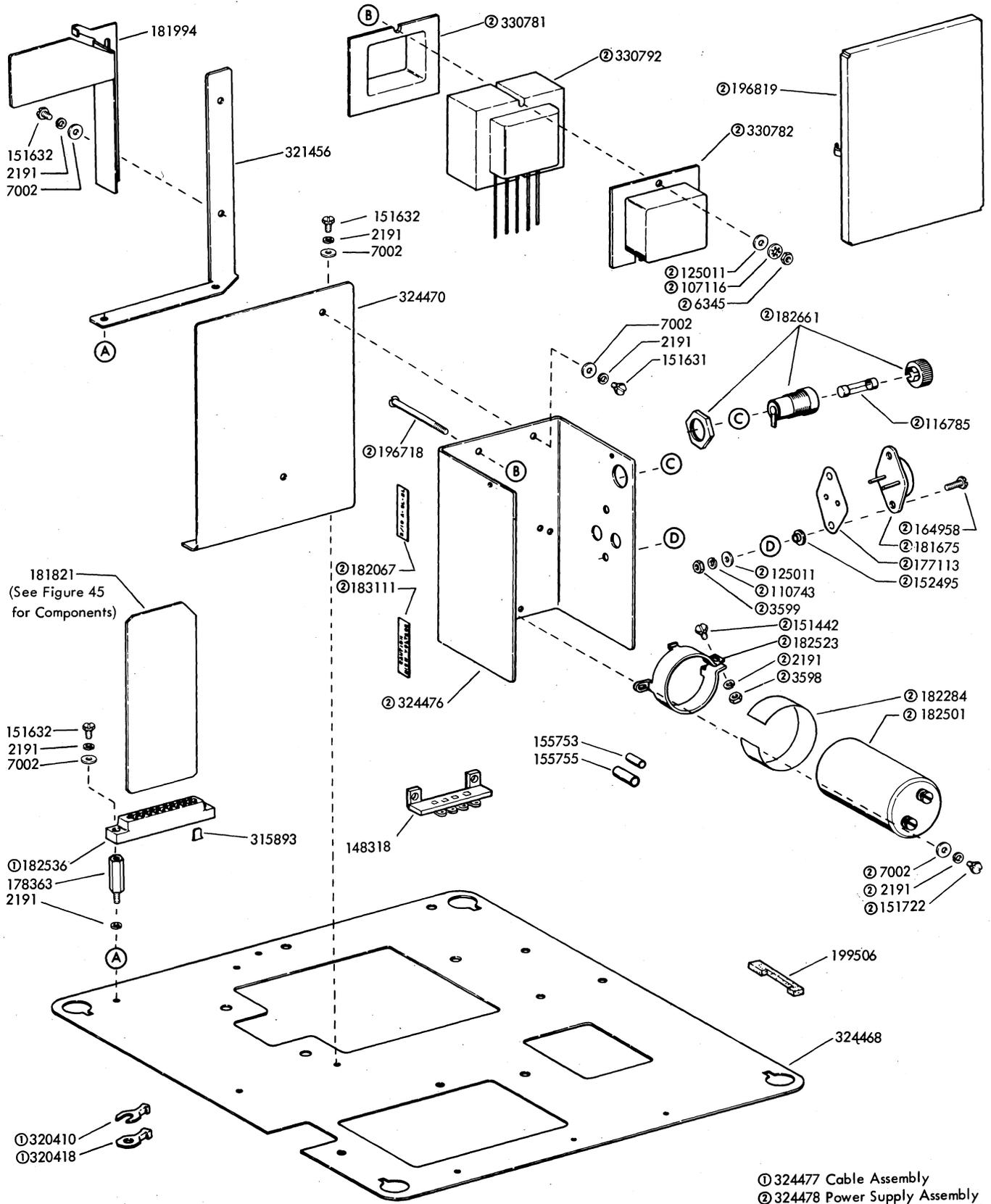
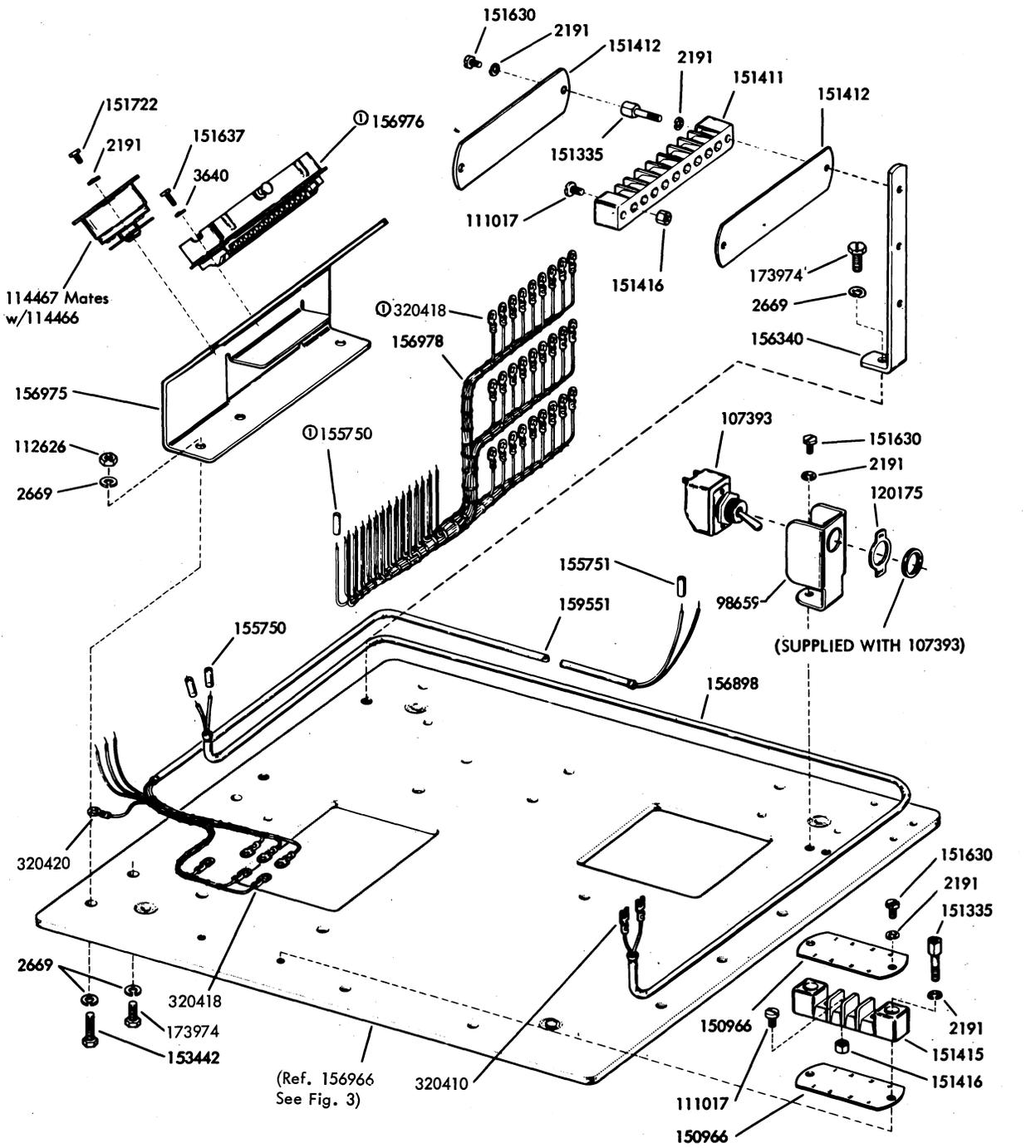


FIGURE 1. BASE WITH SELECTOR MAGNET DRIVER AND POWER SUPPLY



Ⓞ156978 Cable Assembly

FIGURE 2. REPERFORATOR BASE (Single Plate)

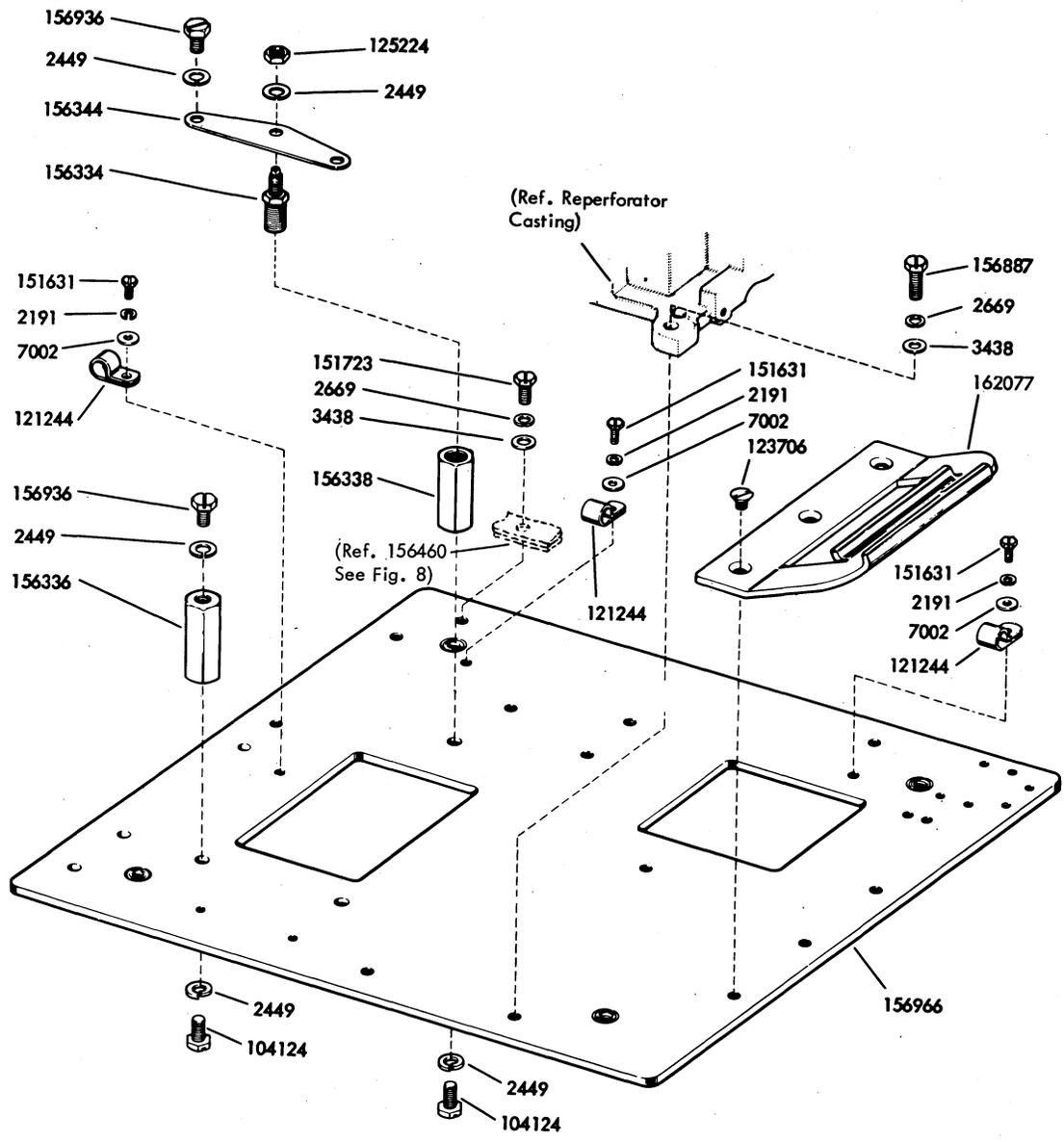


FIGURE 3. REPERFORATOR BASE (Single Plate)

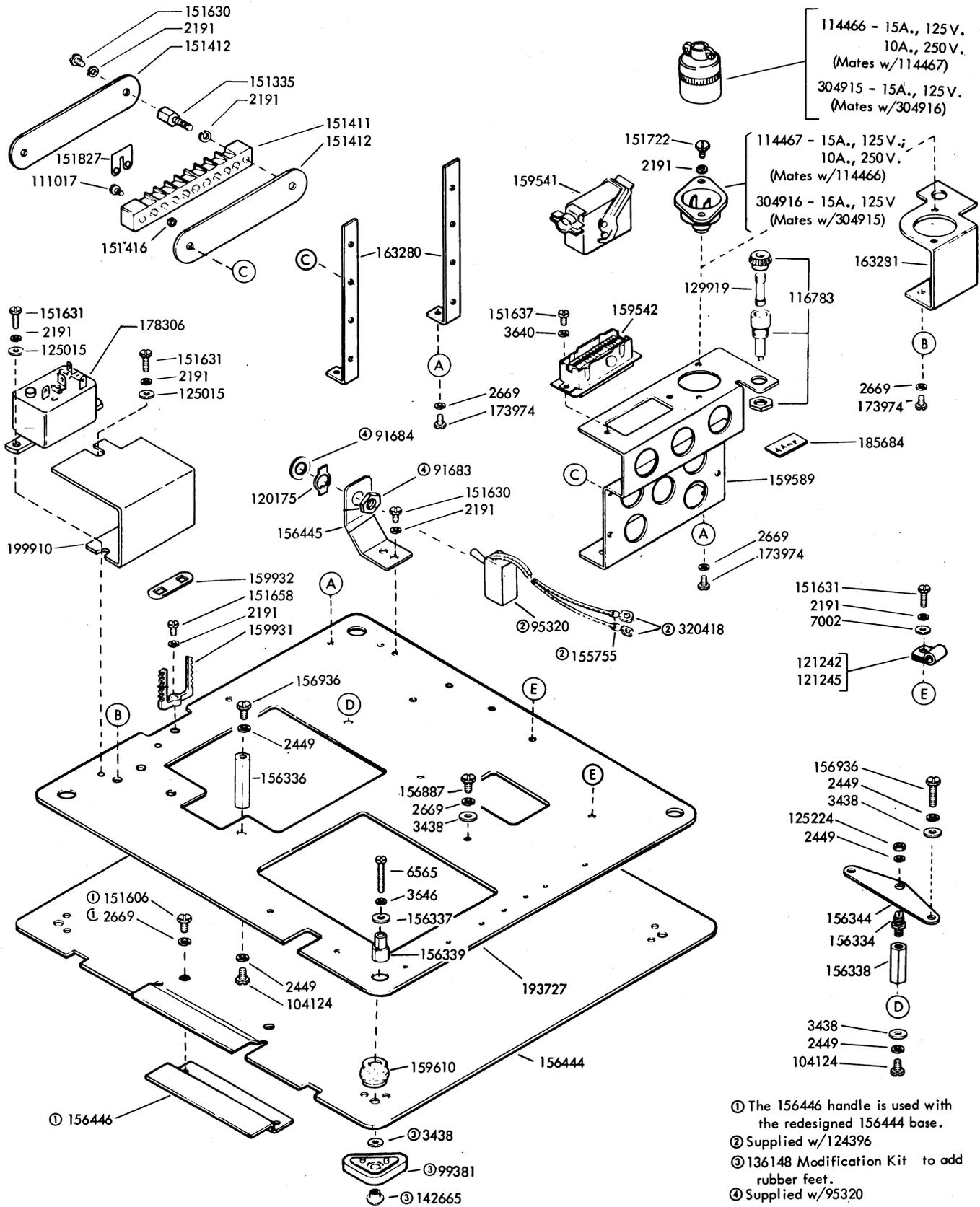


FIGURE 4. REPERFORATOR BASE (Double Plate)

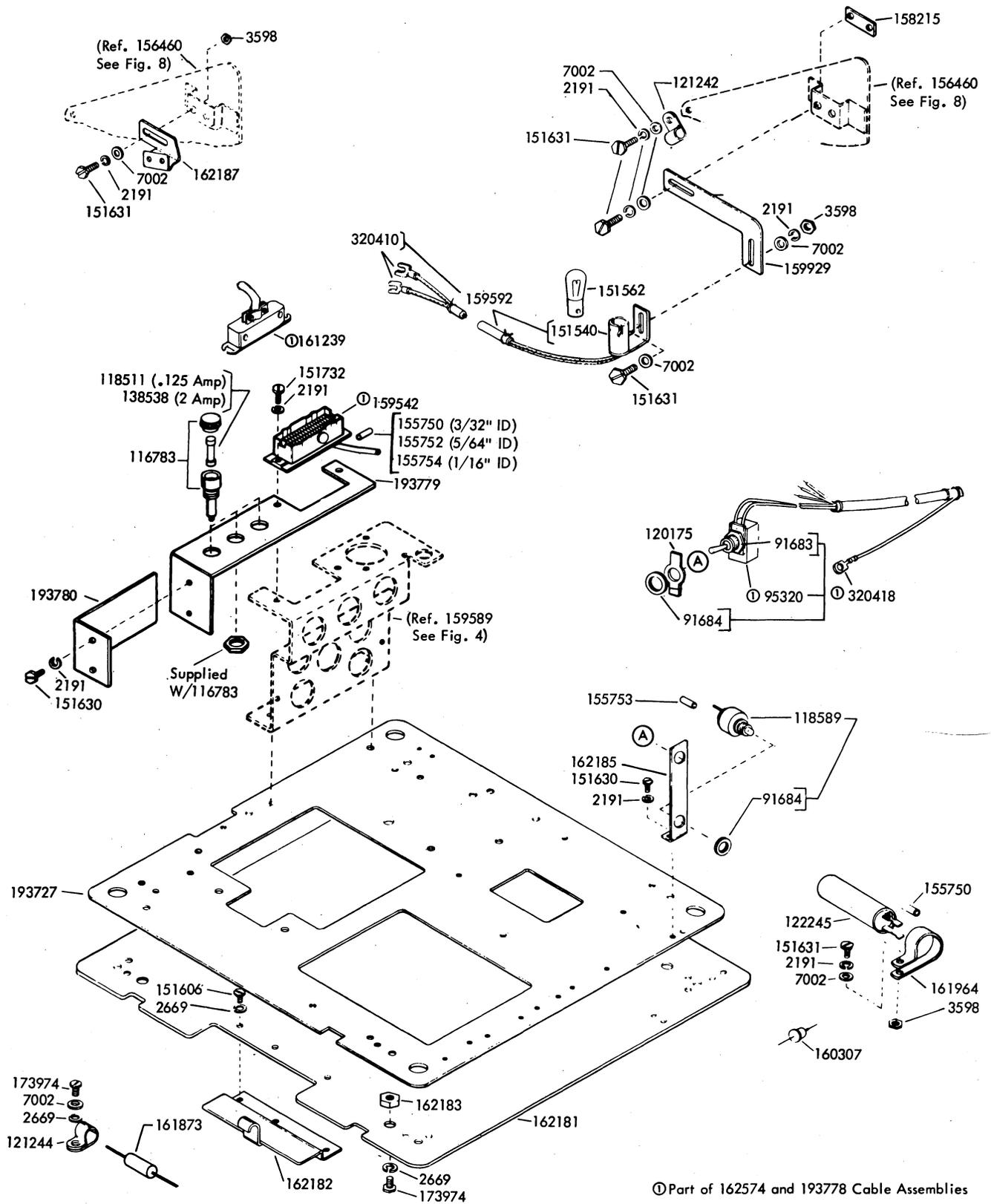


FIGURE 5. REPERFORATOR BASE (Double Plate)

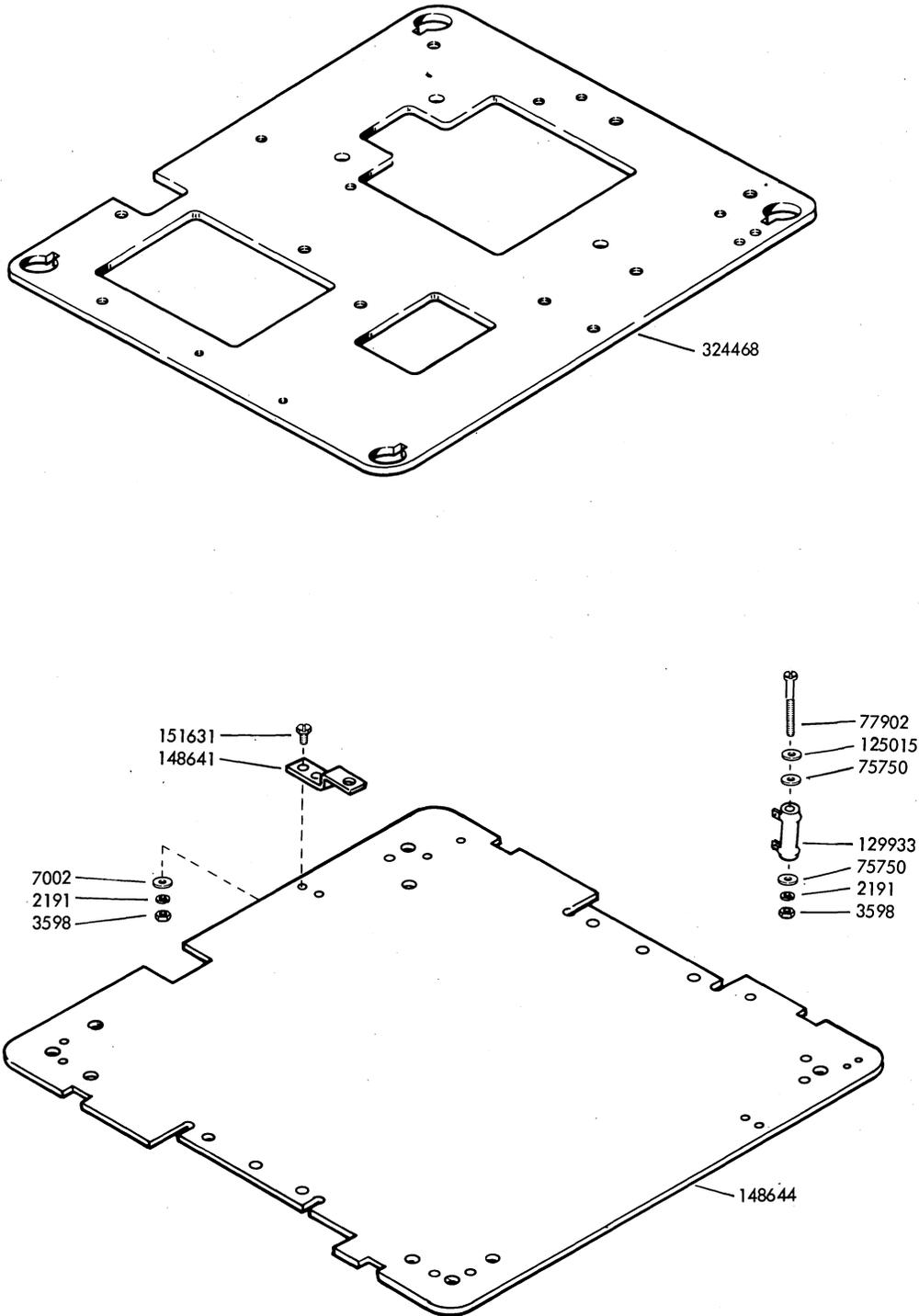
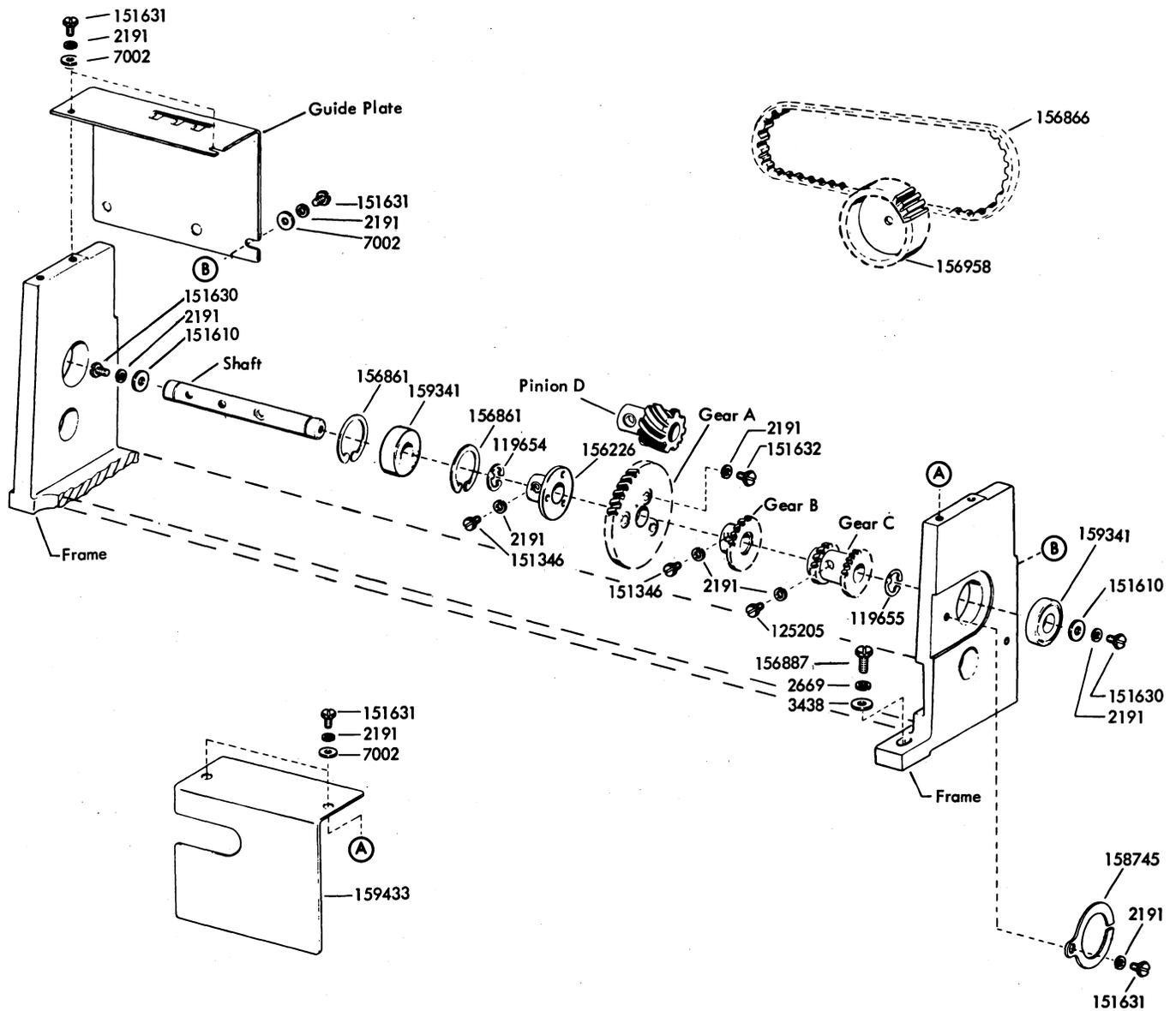


FIGURE 6. REPERFORATOR BASE PLATES

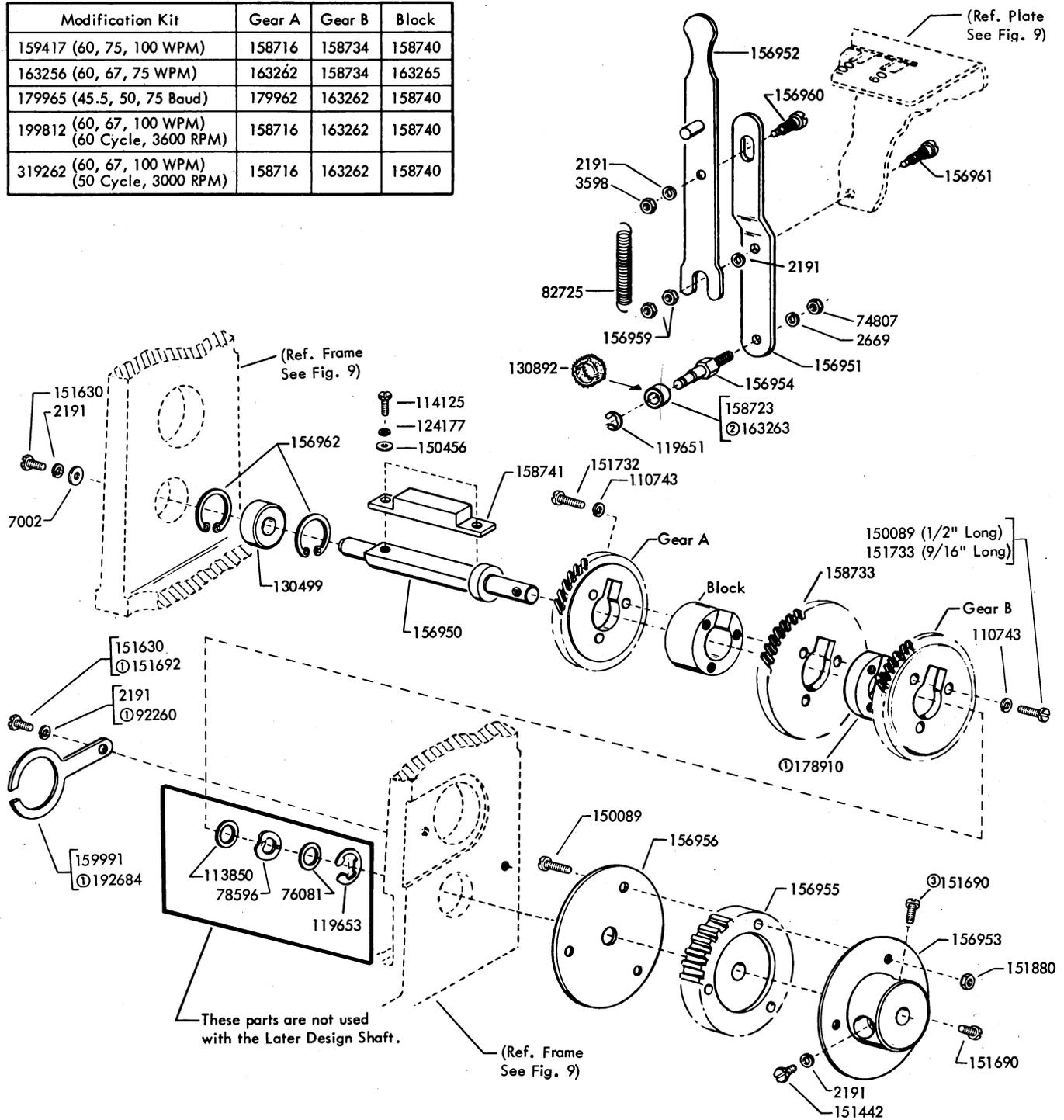
Modification Kit	Frame	Shaft	Gear A	Gear B	Gear C	Pinion D	Guide Plate	Unit Code
159417 (60, 75, 100 WPM)	156965	156967	156949	158712	158732	156964	156968	7.42
163256 (60, 67, 75 WPM)	156965	163264	163260	163261	158732	156964	163328	7.42
179965 (45.5, 50, 75 Baud)	192685	156967	163260	179963	178870	156964	179969	7.00
319262 (60, 67, 100 WPM) (50 Hz, 3000 WPM)	156965	156967	319260	158712	178870	319259	199814	7.42
199812 (60, 67, 100 WPM) (60 Hz, 3600 WPM)	156965	156967	156949	158712	178870	156964	199814	7.42



Note:
All parts are common to all Modification Kits unless otherwise indicated. Also include parts shown on figure 10.

FIGURE 9. MODIFICATION KITS TO PROVIDE VARIABLE SPEED DRIVE

Modification Kit	Gear A	Gear B	Block
159417 (60, 75, 100 WPM)	158716	158734	158740
163256 (60, 67, 75 WPM)	163262	158734	163265
179965 (45.5, 50, 75 Baud)	179962	163262	158740
199812 (60, 67, 100 WPM) (60 Cycle, 3600 RPM)	158716	163262	158740
319262 (60, 67, 100 WPM) (50 Cycle, 3000 RPM)	158716	163262	158740



These parts are not used with the Later Design Shaft.

(Ref. Frame See Fig. 9)

Note:
All parts are common to all Modification Kits unless otherwise indicated. Also include parts shown on figure 9.

- ① Peculiar to 179965, 199812 and 319262
- ② Peculiar to 163256
- ③ Supplied w/156953

FIGURE 10. MODIFICATION KITS TO PROVIDE VARIABLE SPEED DRIVE (continued)

Speed Change Gears for Self-Contained Sprocket Driven Units (Order Separately)						
Set Number	Pinion	Driven Gear	Approx. O.P.M. (Receiving)	Approx. W.P.M.	Unit Code	Baud
161519	161104 (11T)	161103 (49T)	461.7	67	7.42	50
161654	156982 (9T)	156981(44T)	420	60	7.42	45.45
161655	156984(12T)	156983(47T)	525.7	75	7.42	56.88
161656	156986(14T)	156985(42T)	685	100	7.42	74.2
①176295	176296(15T)	176297(43T)	692	107	7.00	75
②311283	311272 (14T)	311273 (52T)	461.7	67	7.42	50
321547	321548 (37T)	321549 (49T)	685	100	7.42	74.2
324480	324471 (9T)	324479 (36T)	900	150	7.42	113

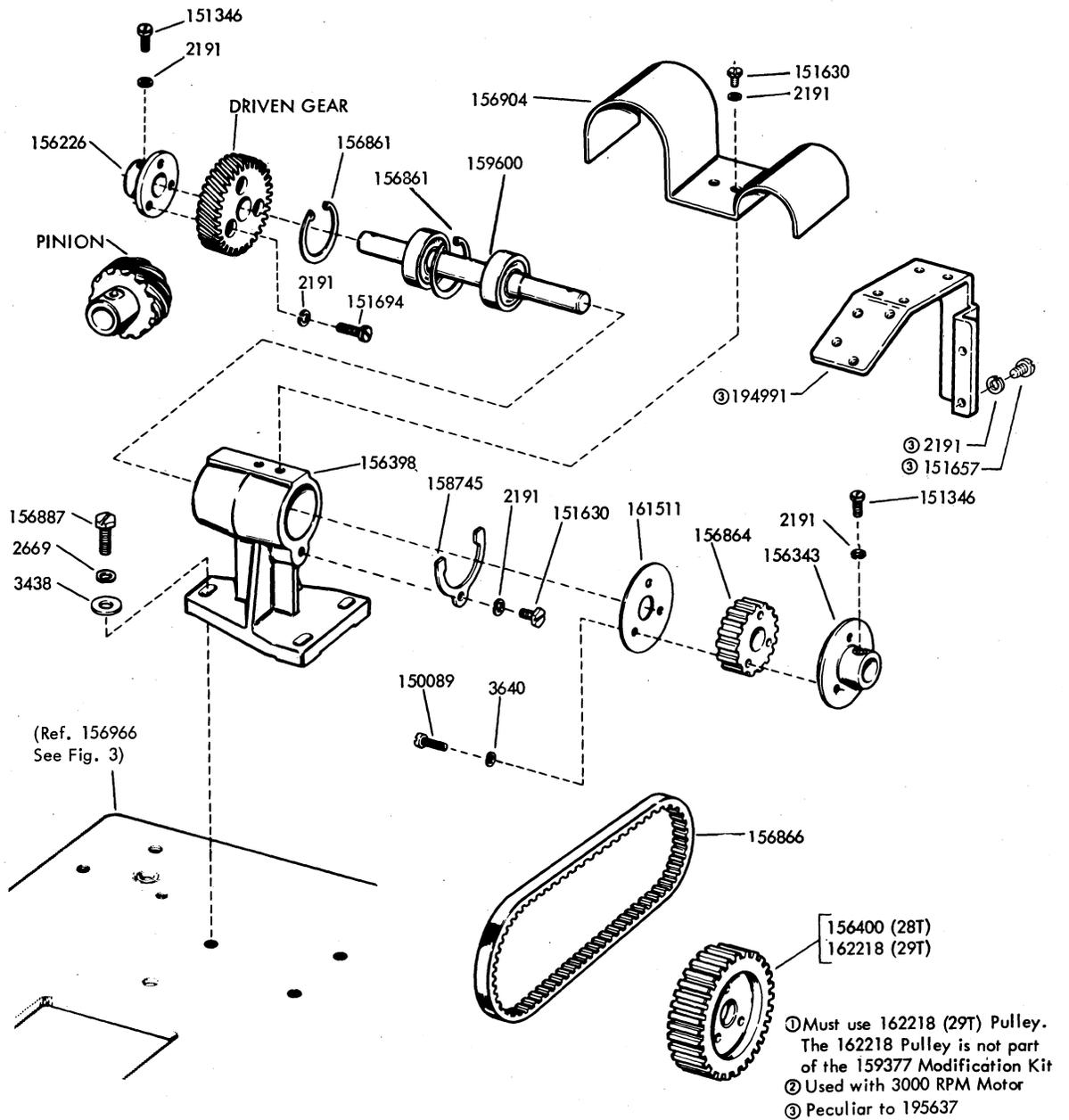


FIGURE 11. 159377 AND 195637 MODIFICATION KITS TO PROVIDE SINGLE SPEED DRIVE

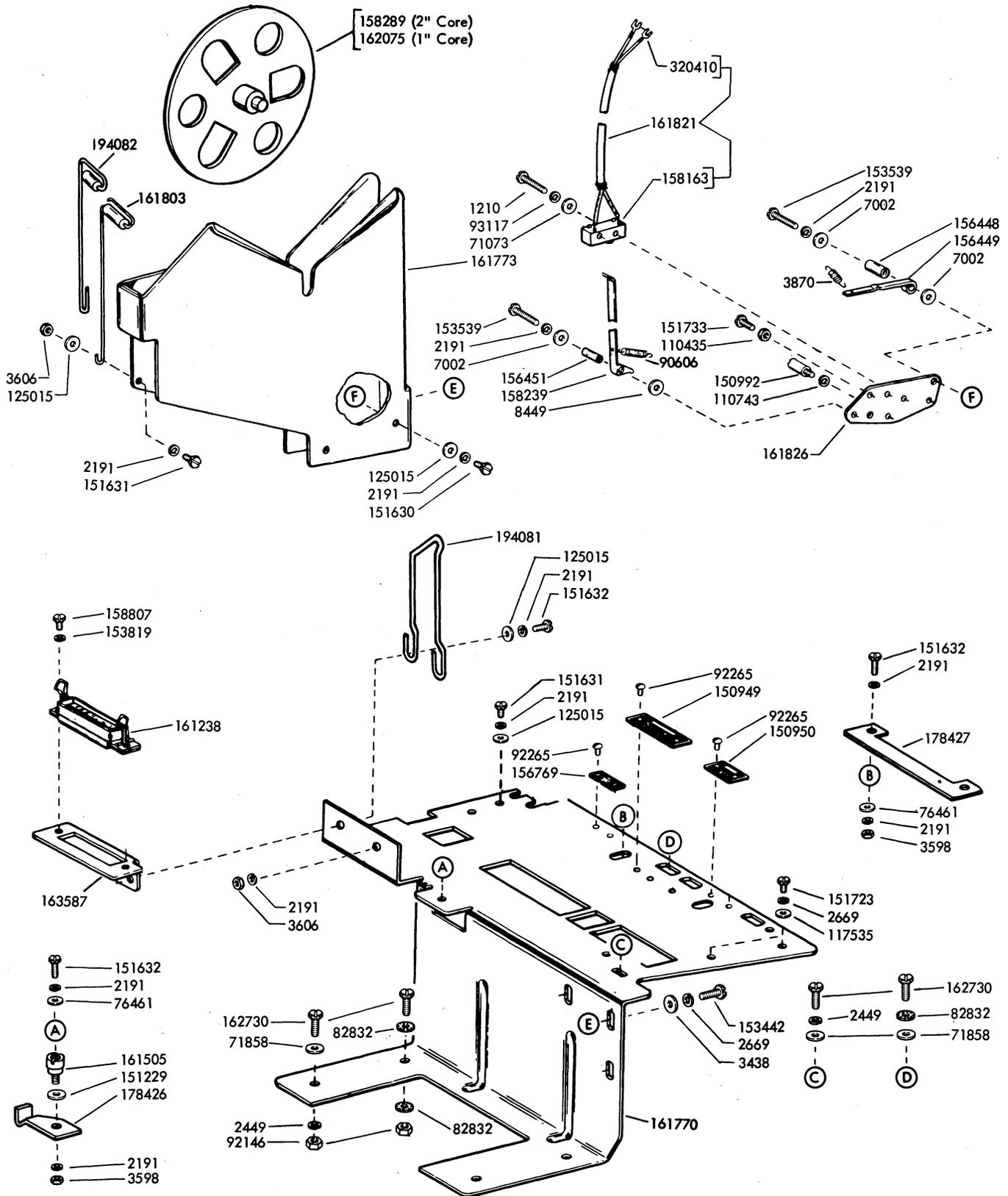


FIGURE 12. AUXILIARY REPERFORATOR BASE

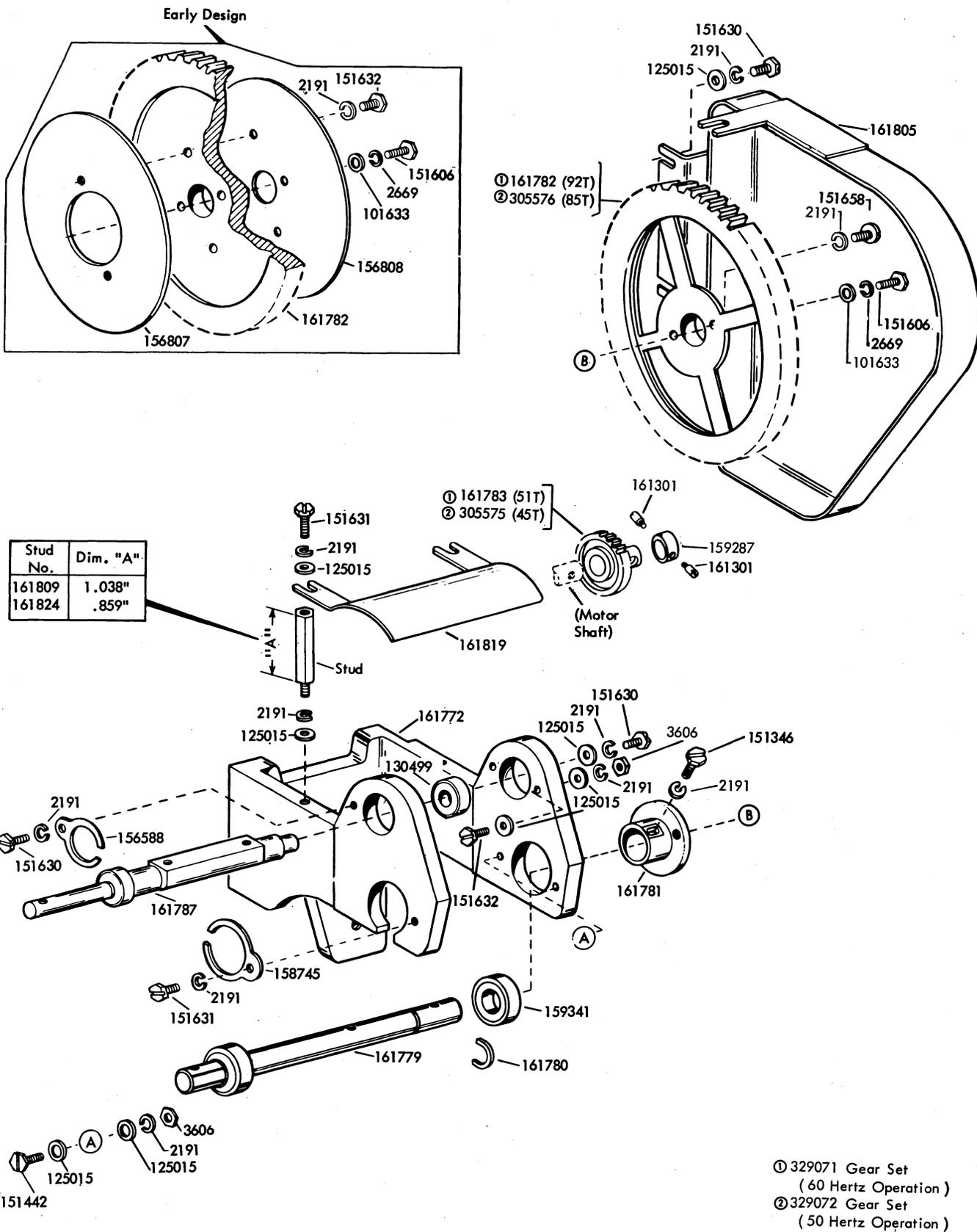


FIGURE 13. GEAR BRACKET MECHANISM FOR AUXILIARY MOUNTED REPERFORATOR

Gear Set Number	W.P.M. or Baud	Motor Operation	Gear "A"	Gear "B"	Gear "C"	Gear "D"	Plate
161807	(WPM) 60-75-100	60 Hertz	158734	158716	158732	158712	161797
178869	(WPM) 60-67-100	60 Hertz	163262	158716	178870	158712	178885
192678	(BAUD) 45.5-50-75	60 Hertz	163262	179962	178870	179963	192680
③ 305580	(BAUD) 45.5-50-74.2	50 Hertz	163262	158716	178870	158712	178885
315536	(BAUD) 45.5-50-75	50 Hertz	④163262	④176071	④178870	④176072	④192680

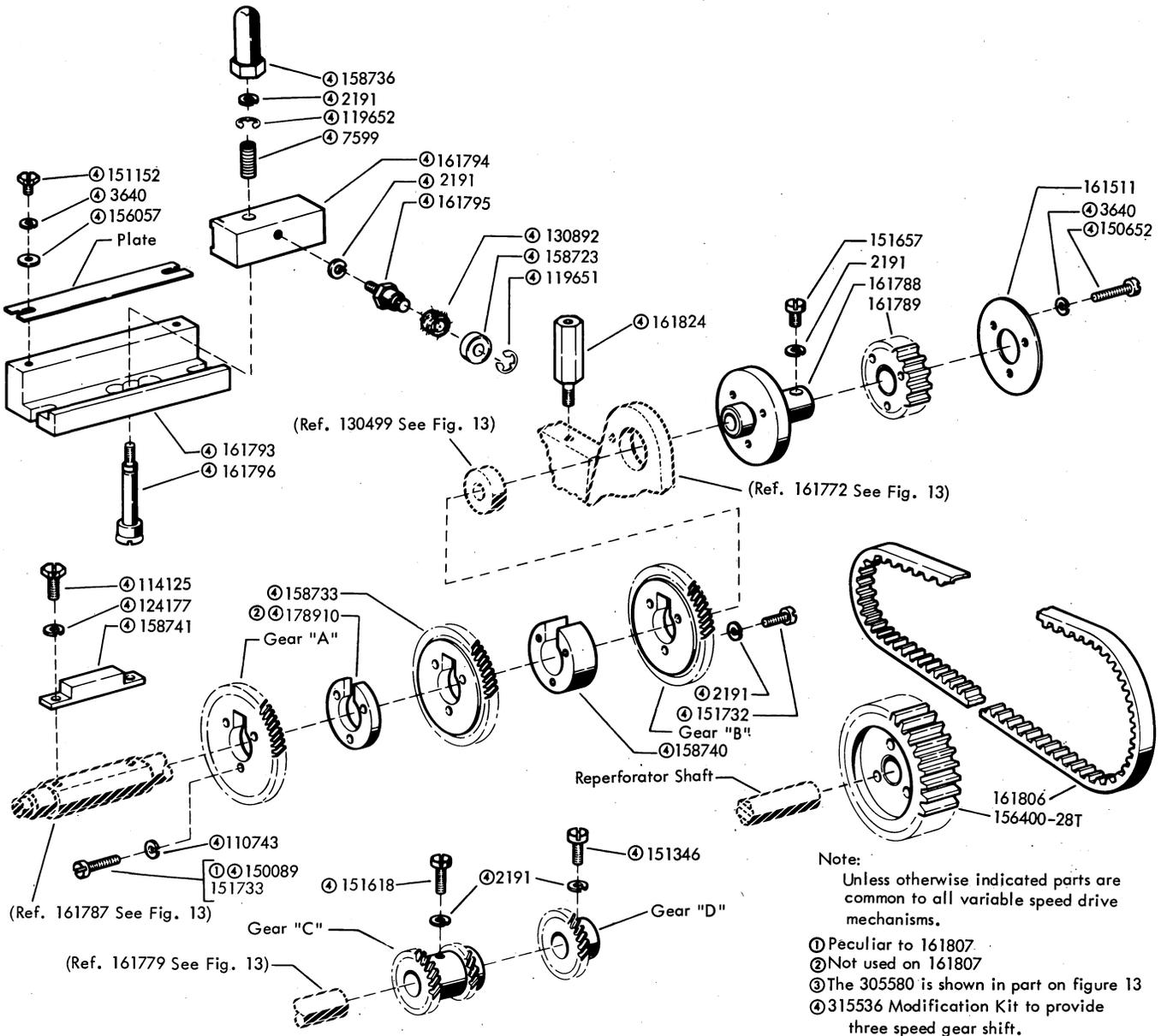
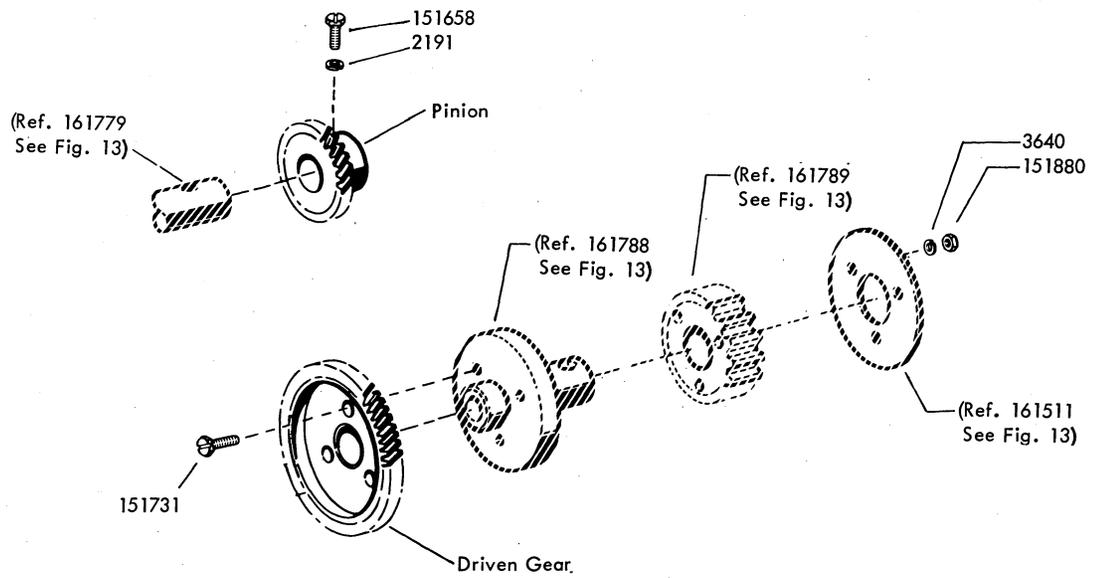


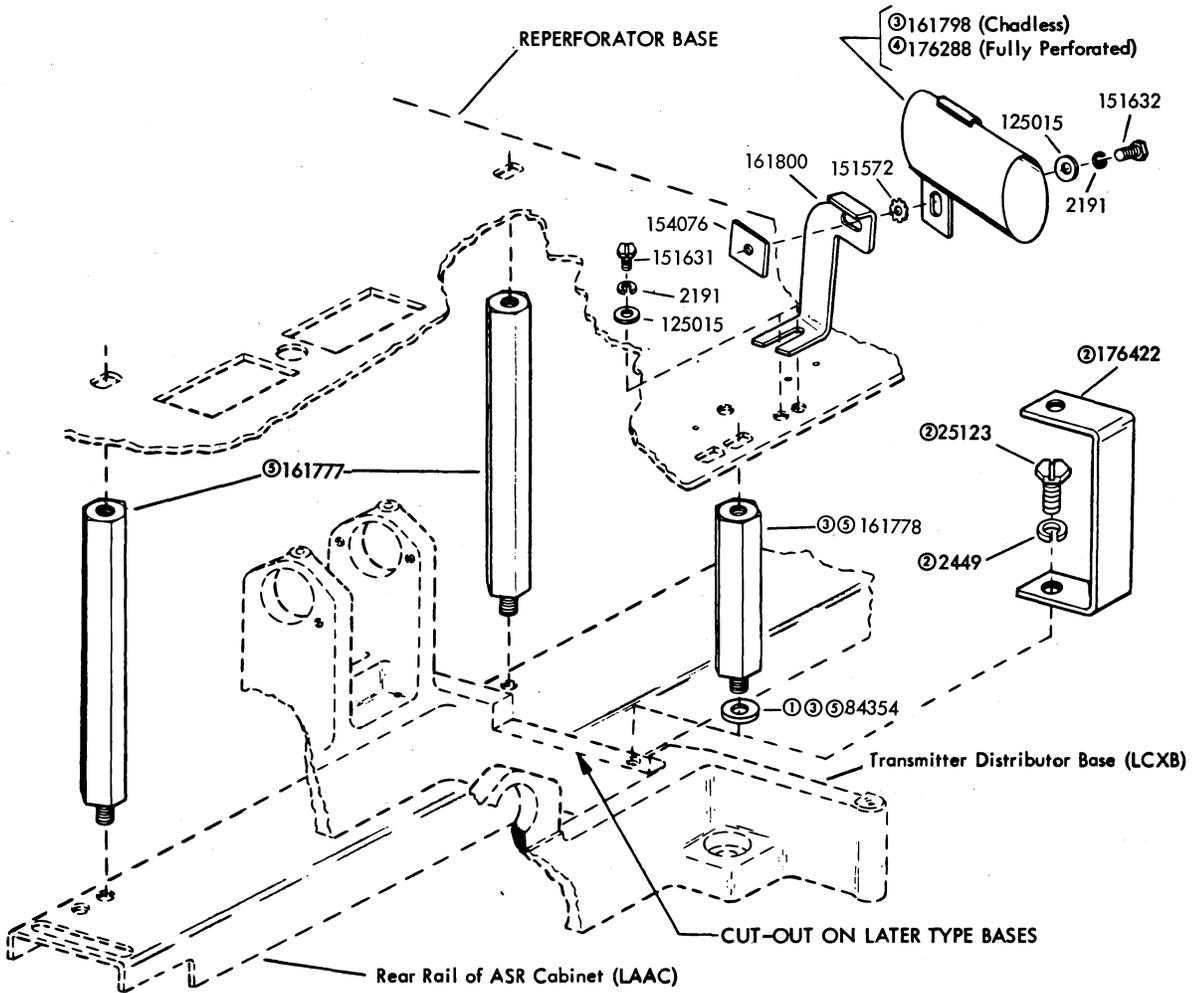
FIGURE 14. VARIABLE SPEED DRIVE GEAR SETS FOR AUXILIARY MOUNTED REPERFORATORS



Single Speed Drive Gear Sets for Auxiliary Mounted LPR Sets					
Gear Set No.	Driven Gear	Pinion	Unit Code	W.P.M. (Nominal)	Baud
161811	161790-44T	161784-18T	7.42	60	45.45
161812	161791-47T	161785-24T	7.42	75	56.88
161813	161792-39T	161786-26T	7.42	100	74.2
173820	173822-49T	173821-20T	7.00	65	45.45
163448	163447-49T	163446-22T	7.00	71	50
163451	163450-40T	163449-27T	7.00	107	75
① 319920	319919-51T	319918-25T	7.00	65	45.5
① 319923	319922-52T	319921-28T	7.00	71	50
① 319926	319925-26T	319924-21T	7.00	107	75

① Used with 3600 RPM Motor

FIGURE 15. SINGLE SPEED DRIVE GEAR SETS FOR AUXILIARY MOUNTED REPERFORATOR



- ① Not required when unit is equipped with base isolation parts.
- ② Used on bases with cut-out
- ③ Peculiar to 161815
- ④ Peculiar to 176287
- ⑤ Part of the 179492 Specification 59295

FIGURE 16. 161815, 176287 AND 179492 MODIFICATION KITS TO MOUNT AN AUXILIARY TYPING REPERFORATOR BASE

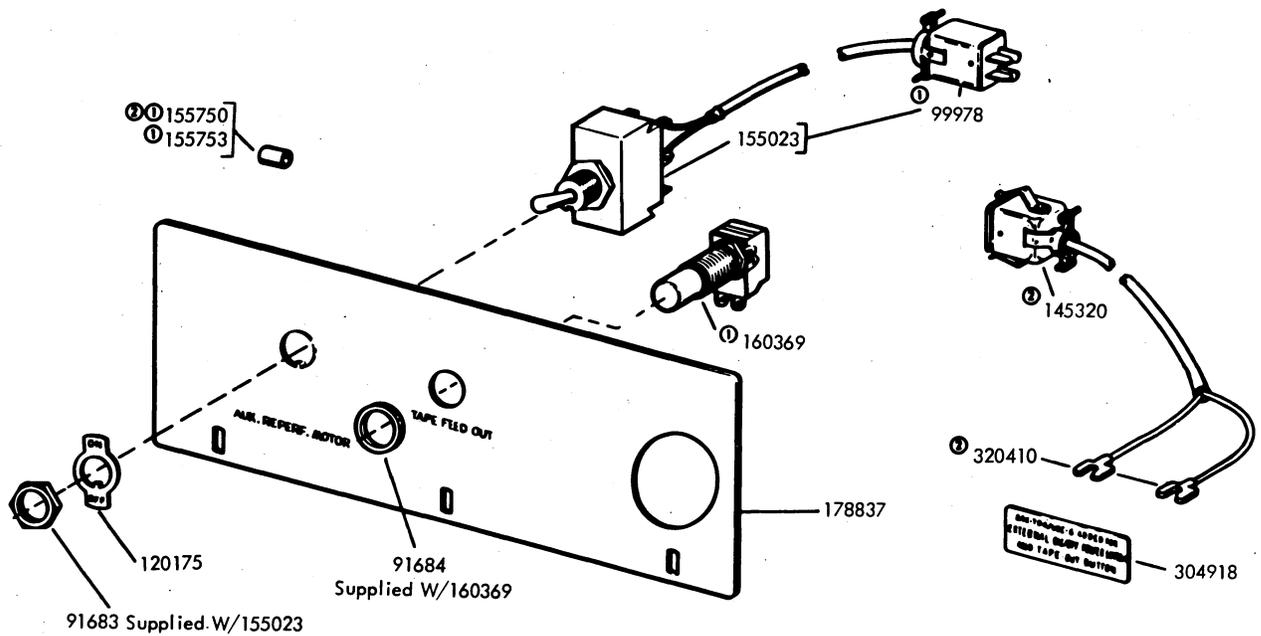


FIGURE 17. 178838 MODIFICATION KIT TO RELOCATE POWER SWITCH FROM AUXILIARY BASE TO OUTSIDE OF CABINET

① 312475 Cable Assembly
 ② 312476 Cable Assembly

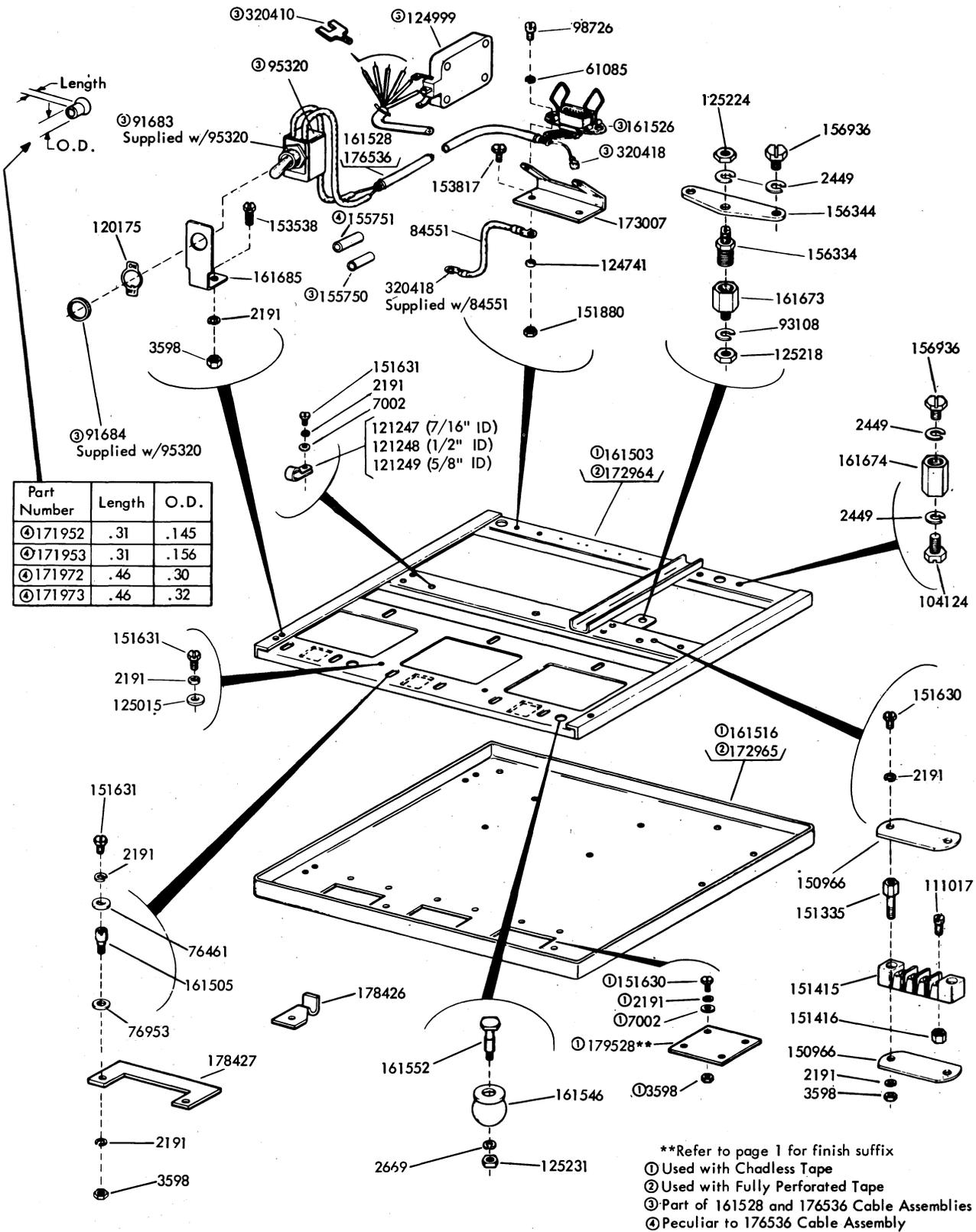


FIGURE 18. MULTIPLE REPERFORATOR BASE (With Cross-Shaft)

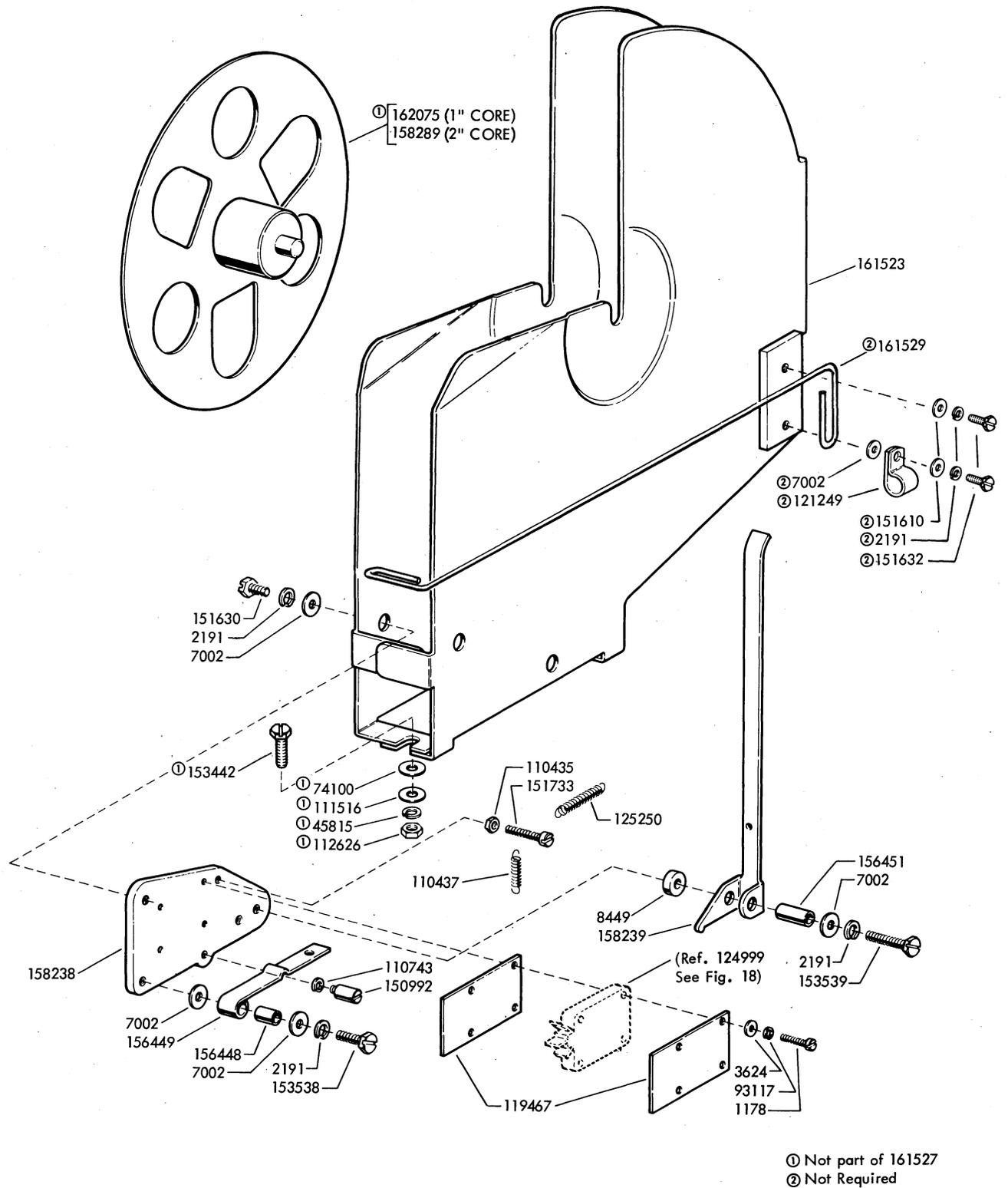


FIGURE 19. 161527 TAPE CONTAINER ASSEMBLY

Gear Arrangements for Multiple Mounted Reperforators Driven at Common Speed						
Unit Code	7.42	7.42	7.42	7.00	7.00	7.00
WPM	60	75	100	71	65	107
Baud	45.45	56.88	74.2	50	45.45	75
Motor Gear Set	161530	161533	161536	None	None	None
Pinion	161532-9T	161535-12T	161538-14T	164337-9T	164339-10T	
Gear	161531-44T	161534-47T	161537-42T	164338-40T	164340-37T	
Mod. Kit for Reperforator	161680				173584	162213
Hub	161509				161509	162215
Cross-Shaft Sprocket	161510-16T				161510-16T	162214-20T
Retainer	161511				161511	162216
Belt	161520-64T				162222-69T	161520-64T
Reperforator Sprocket	156400-28T				173583-37T	156400-28T

Gear Arrangements for Multiple Mounted Reperforators Driven at Independent Speeds							
Unit Code	7.42	7.00	7.00	7.42	7.00	7.42	7.00
WPM	60	71	65	75	107	100	121
Baud	45.45	50	45.45	56.88	75	74.2	84.7
Motor Gear Set	161530	None	None	161530	None	161530	None
Pinion	161532-9T	164337-9T	164339-10T	161532-9T	164339-10T	161532-9T	164337-9T
Gear	161531-44T	164338-40T	164340-37T	161531-44T	164340-37T	161531-44T	164338-40T
Mod. Kit for Reperforator	161680	② 173584		162213	162217	① 173023	
Hub	161509	161509		162215	162220	162220	
Cross-Shaft Sprocket	161510-16T	161510-16T		162214-20T	162219-27T	162219-27T	
Retainer	161511	161511		162216	162221	162221	
Belt	161520	162222		161520	162222	162222	
Reperforator Sprocket	156400-28T	173583-37T		156400-28T	162218-29T	③ 156400-28T	

- ① Non-Typing Reperforators only
 ② Modification Kit contains sprocket and drive belt parts for 3 reperforators
 ③ 156400 not included order separately

FIGURE 21. CROSS-SHAFT MECHANISM FOR MULTIPLE REPERFORATOR BASE (continued)

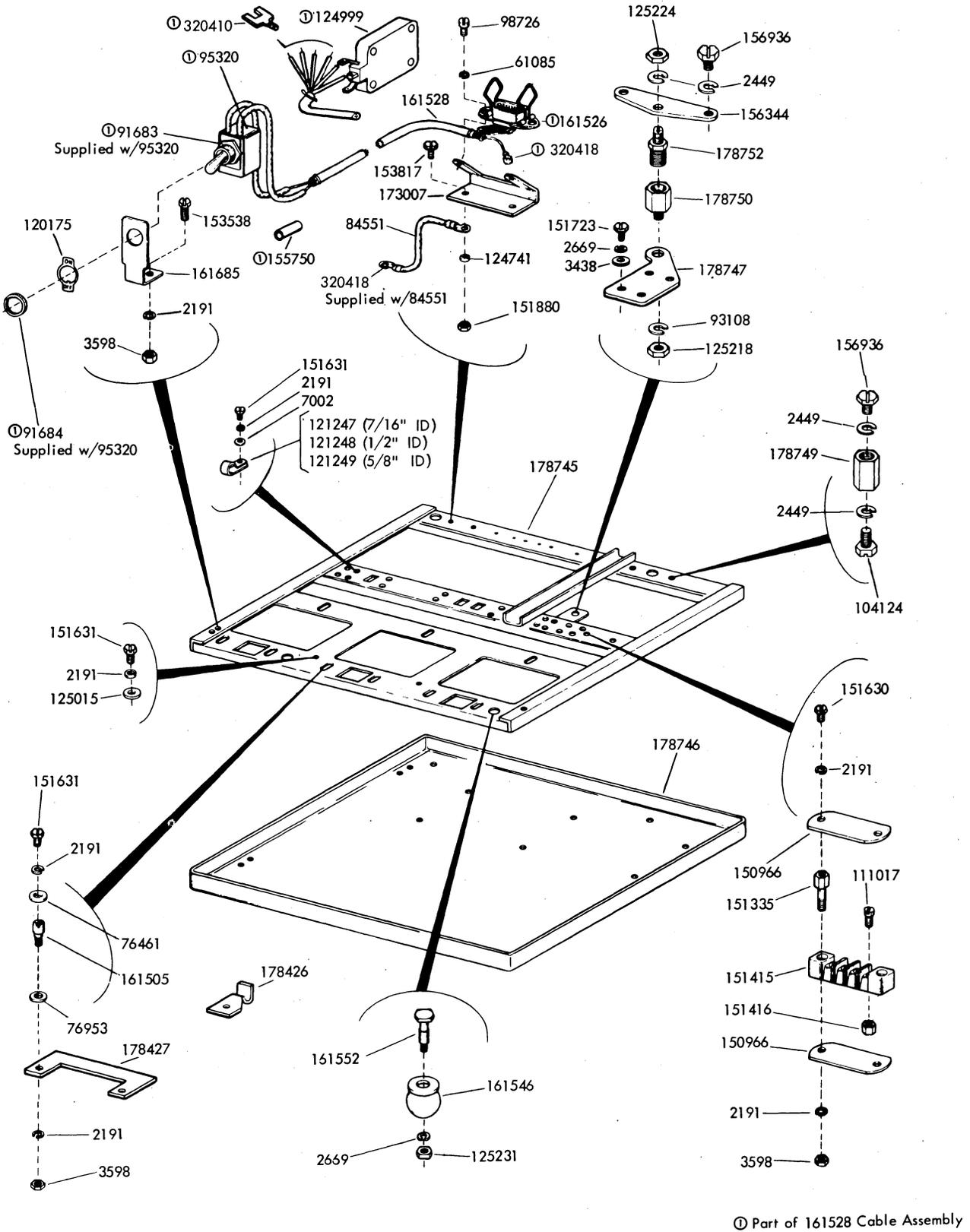


FIGURE 22. MULTIPLE REPERFORATOR BASE (With Cross-Shaft and Intermediate-Shaft)

GEAR CHART					
GEAR SET NUMBER	CROSS SHAFT PINION	GEAR	UNIT CODE	NOMINAL W.P.M.	BAUD
178798	178799-54T	178800-53T	7.00	107	75
			7.50	100	75
178801	178802-33T	178803-48T	7.00	71	50
			7.50	66	50
			7.42	67	74.2
178804	178810-30T	178811-44T	7.00	65	45.5
			7.50	60	45.5
			7.42	60	74.2
178813	178814-31T	178815-37T	7.42	100	74.2

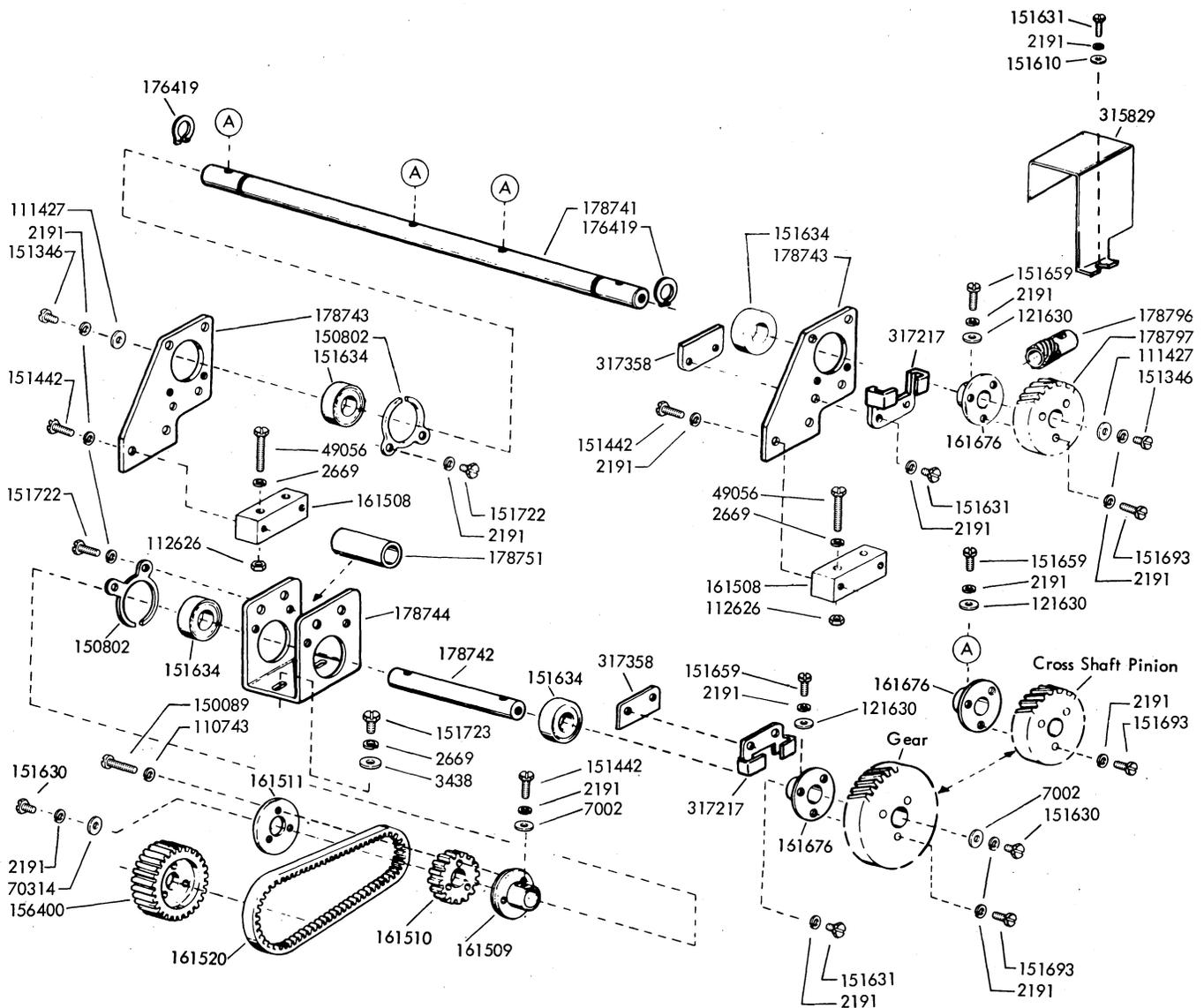
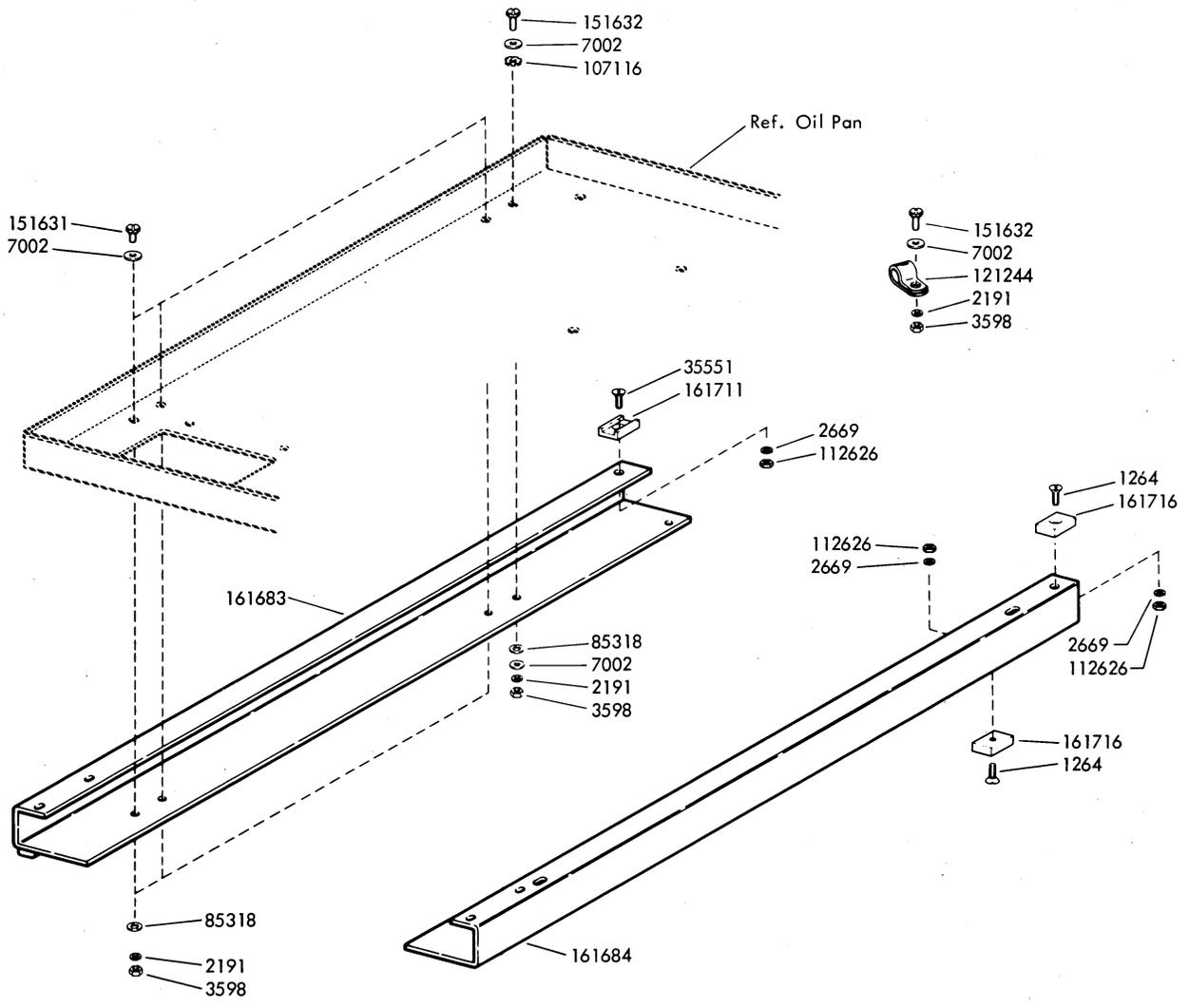
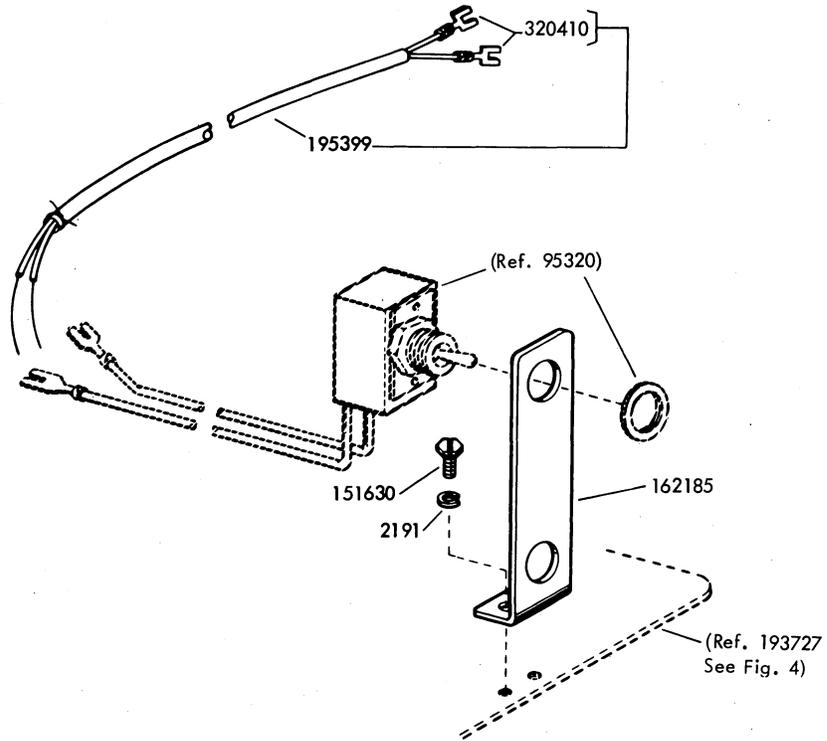


FIGURE 23. CROSS-SHAFT AND INTERMEDIATE-SHAFT MECHANISM FOR MULTIPLE REPERFORATOR BASE



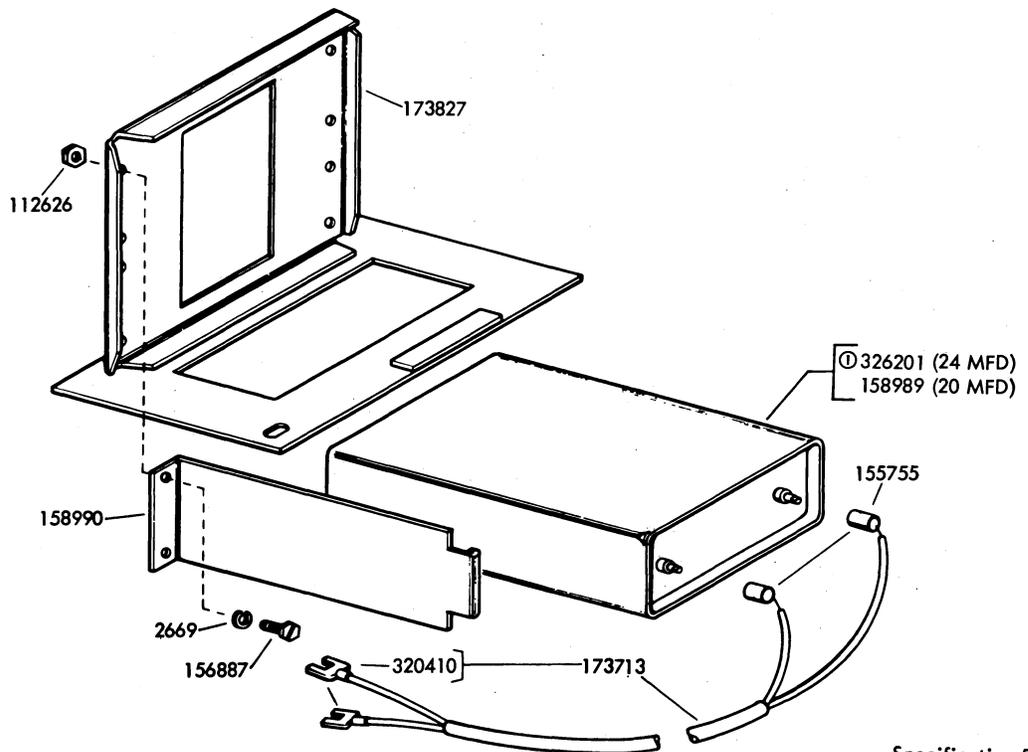
Specification 59645

FIGURE 24. 161678 MODIFICATION KIT TO INSTALL A MULTIPLE REPERFORATOR BASE IN A CABINET



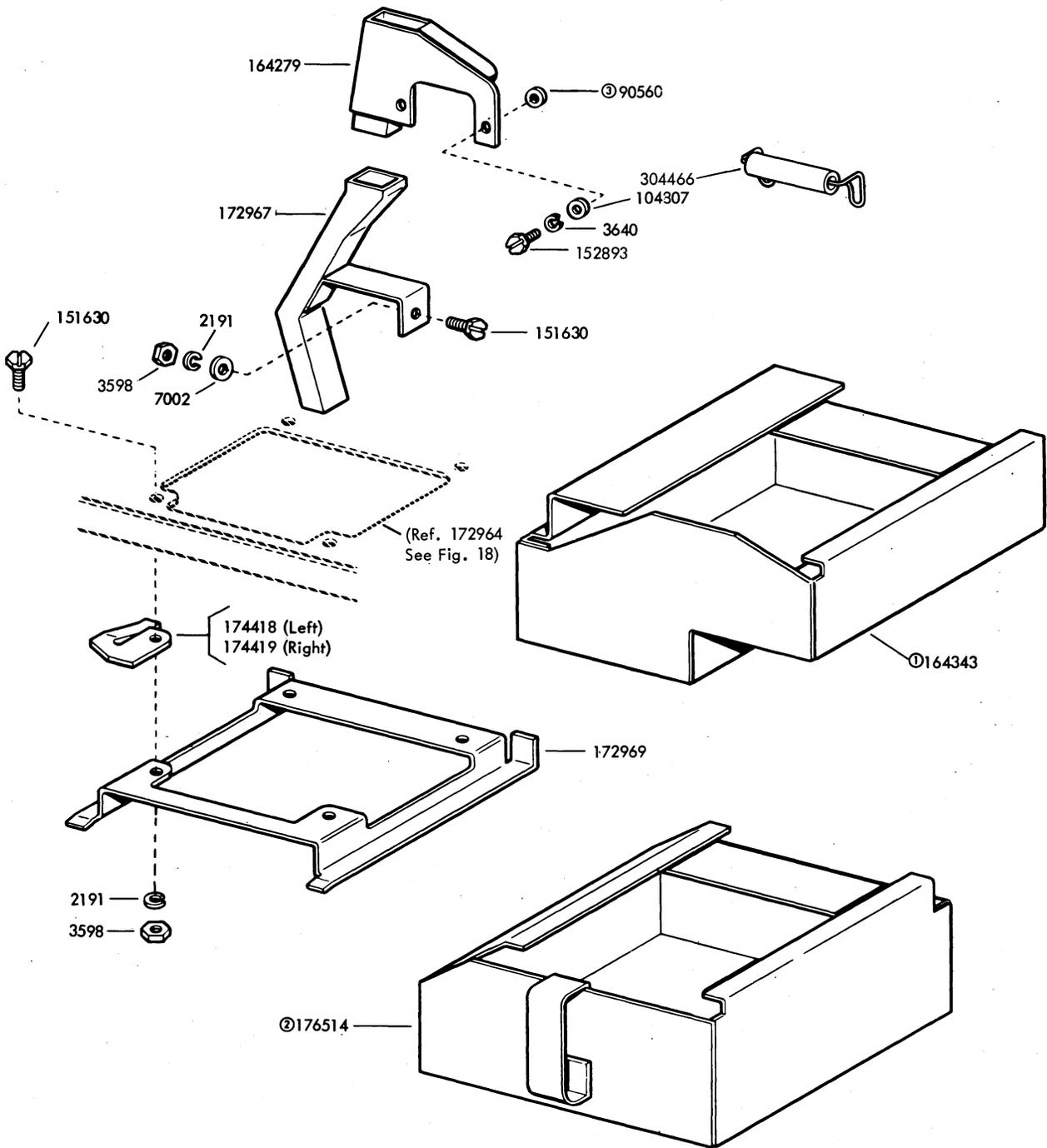
Specification 501555

FIGURE 25. 195388 MODIFICATION KIT TO RELOCATE POWER SWITCH



Specification 50,0575
 ① Peculiar to 326235

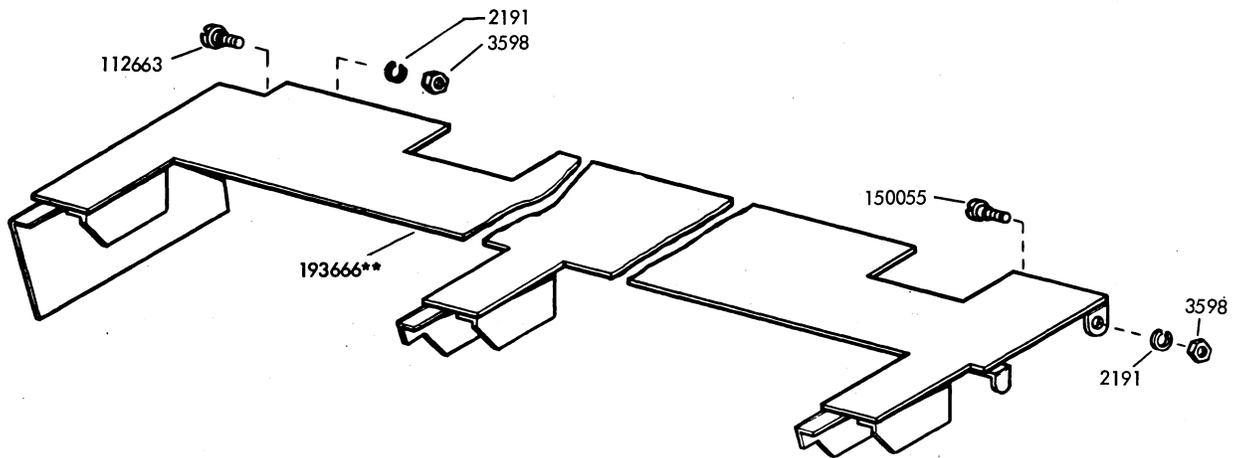
FIGURE 26. 173484 and 326235 MODIFICATION KITS TO PROVIDE POWER FACTOR CORRECTION FOR BASE



- ① Peculiar to 164341
- ② Peculiar to 176542
- ③ Discard if Punch Block face is flat.

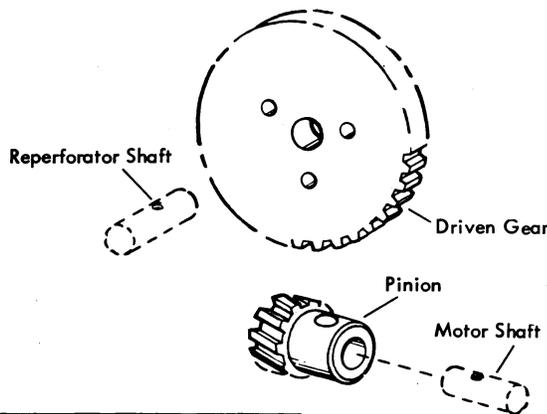
Specification 50,086S

FIGURE 27. 164361 AND 176542 MODIFICATION KITS TO PROVIDE CHAD DISPOSAL ON MULTIPLE REPERFORATOR BASES



**Refer to page 1 for finish suffix
Specification 50, 1915

FIGURE 28. 193666** MODIFICATION KIT TO PROVIDE A SPROCKET GUARD FOR MULTIPLE REPERFORATOR BASES



Speed Change Gear Sets for Non-typing Reperforator					
Set Number	Pinion	Driven Gear	(Nominal) WPM	Unit Code	Baud
①164784	164782-6T	164783-52T	120	8.5	102.9
②193620	192791-5T	192790-49T	53	8.61	46.15
②193621	192789-6T	192788-47T	66	8.61	57.69
②193643	193641-6T	193642-40T	78.7	8.00	67.8
②193678	193677-8T	193676-42T	100	11.0	110
②193681	193680-5T	193679-39T	67	11.0	73.7
③199896	199894-13T	199895-68T	100	8.5	85
② ③308197	308195-10T	308196-41T	60	8.5	50
② ③308206	308204-15T	308205-67T	67	8.5	56.86

- ① Reperforator clutch must be 2 cycle design
- ② Reperforator clutch must be 1 cycle design
- ③ Used with 50 Hertz-3000 RPM Motor

FIGURE 29. GEAR CHART FOR SELF-CONTAINED NON-TYPING REPERFORATOR

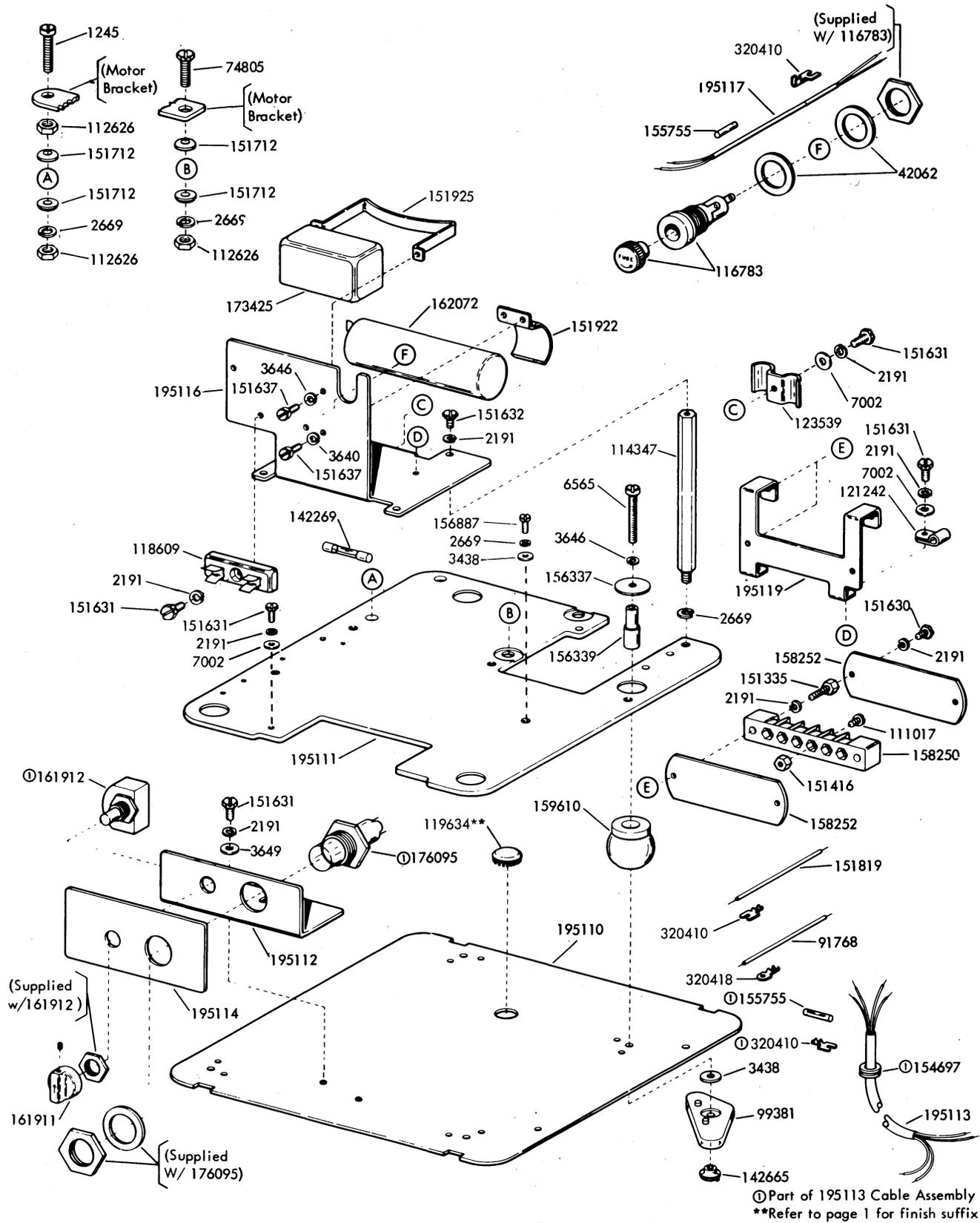


FIGURE 30. COMPACT TAPE PRINTER BASE

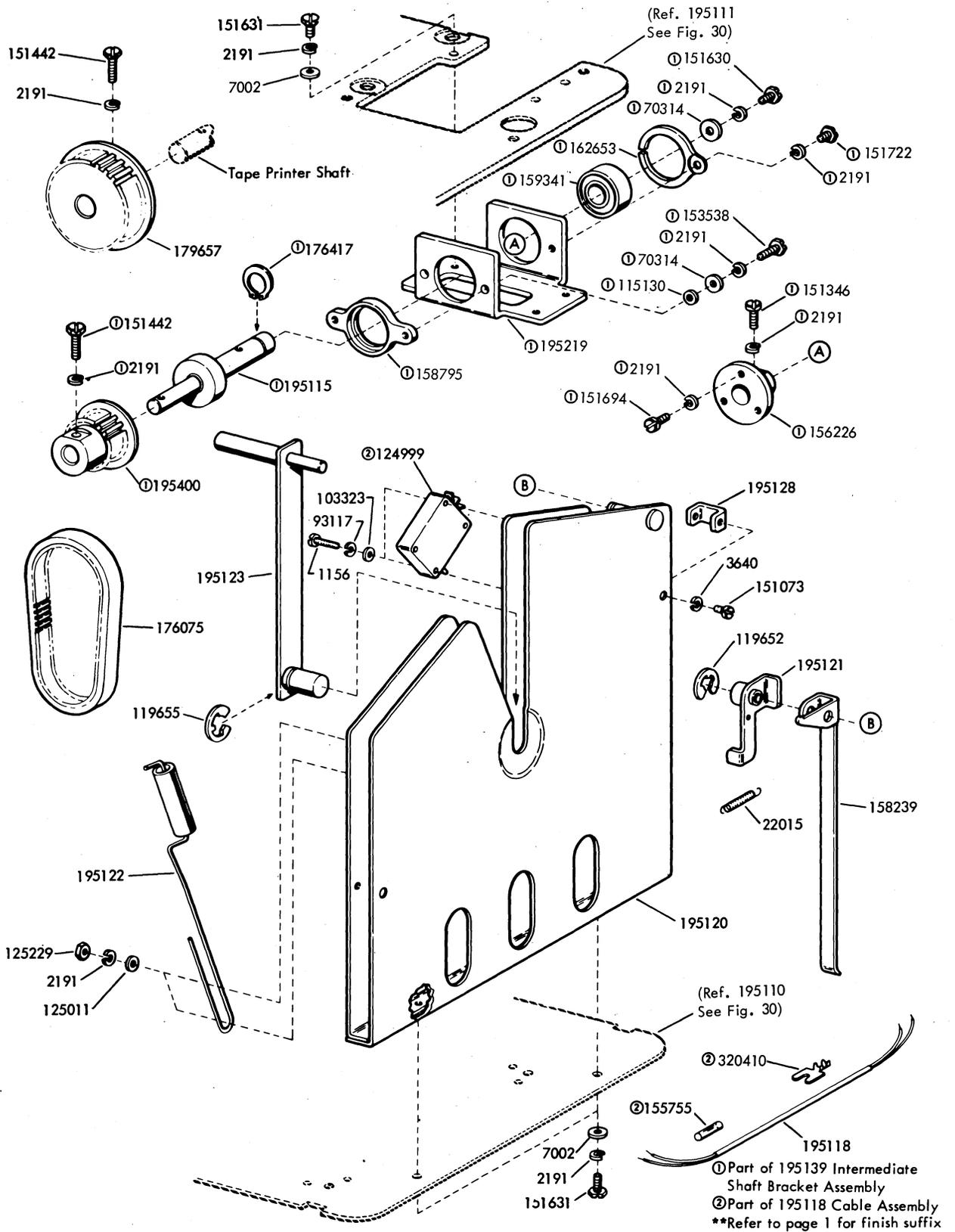


FIGURE 31. COMPACT TAPE PRINTER BASE (continued)

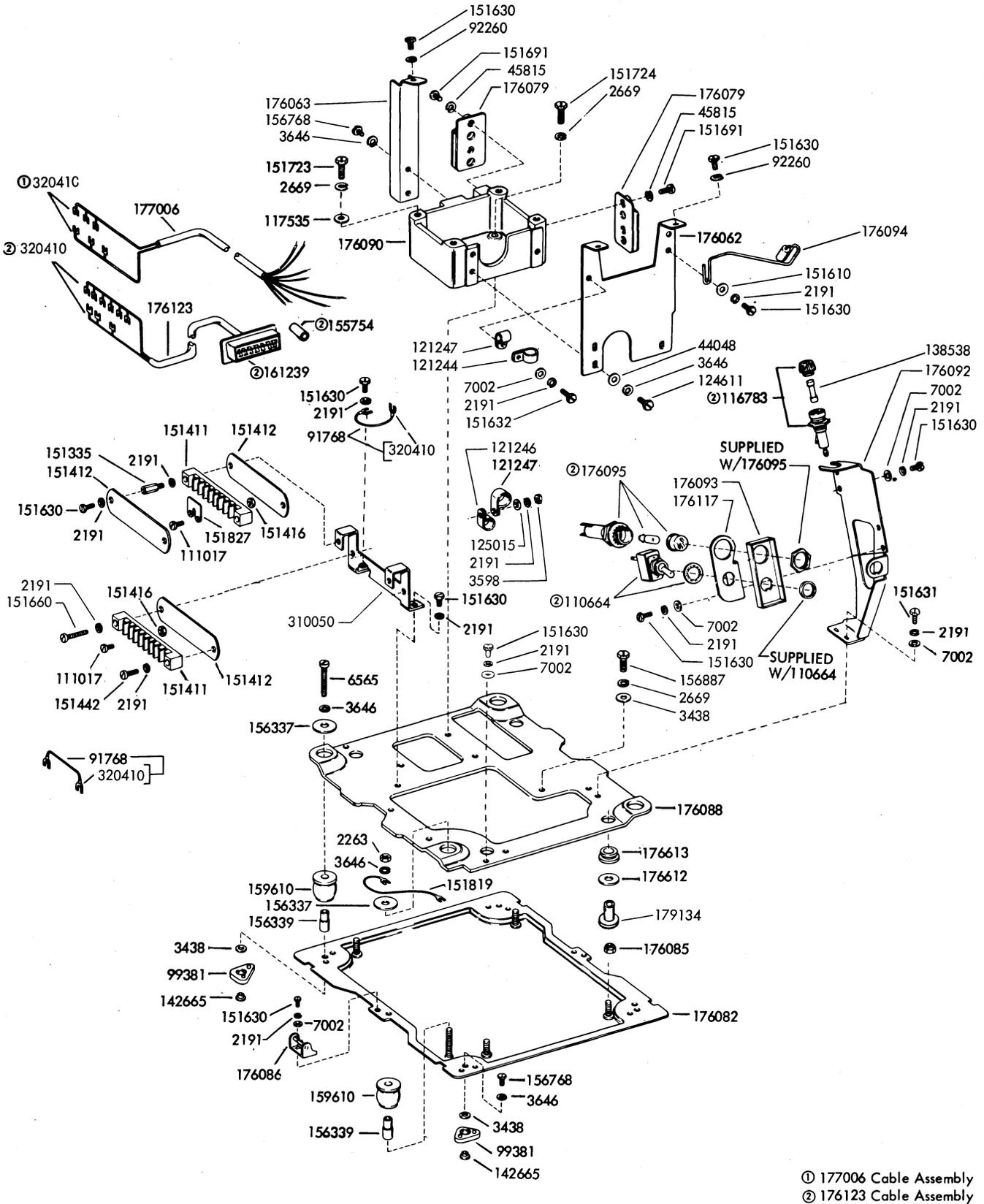


FIGURE 32. COMPACT RECEIVING ONLY REPERFORATOR BASE

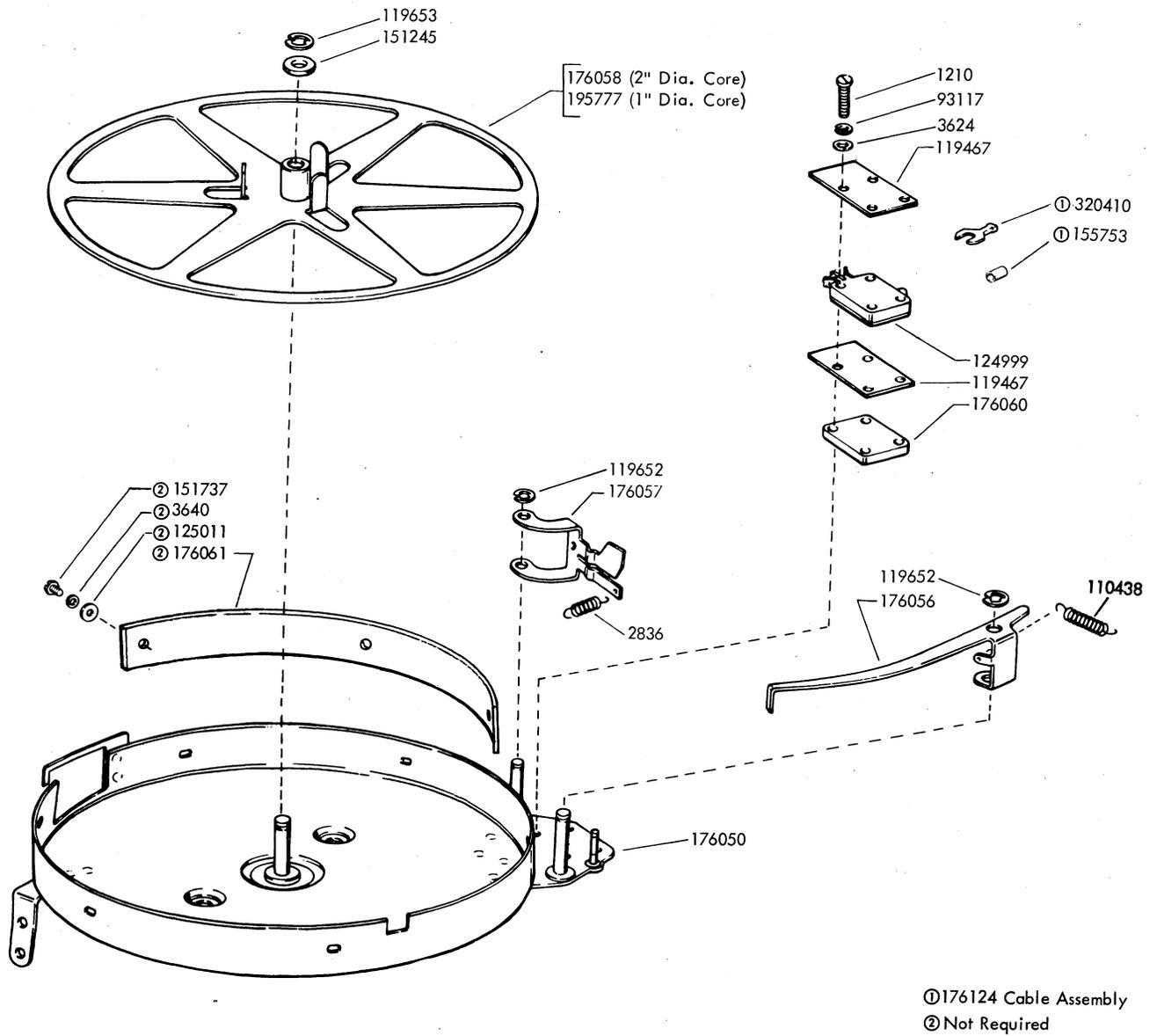


FIGURE 33. 174492 TAPE CONTAINER ASSEMBLY
(Compact Receiving Only Reperforator)

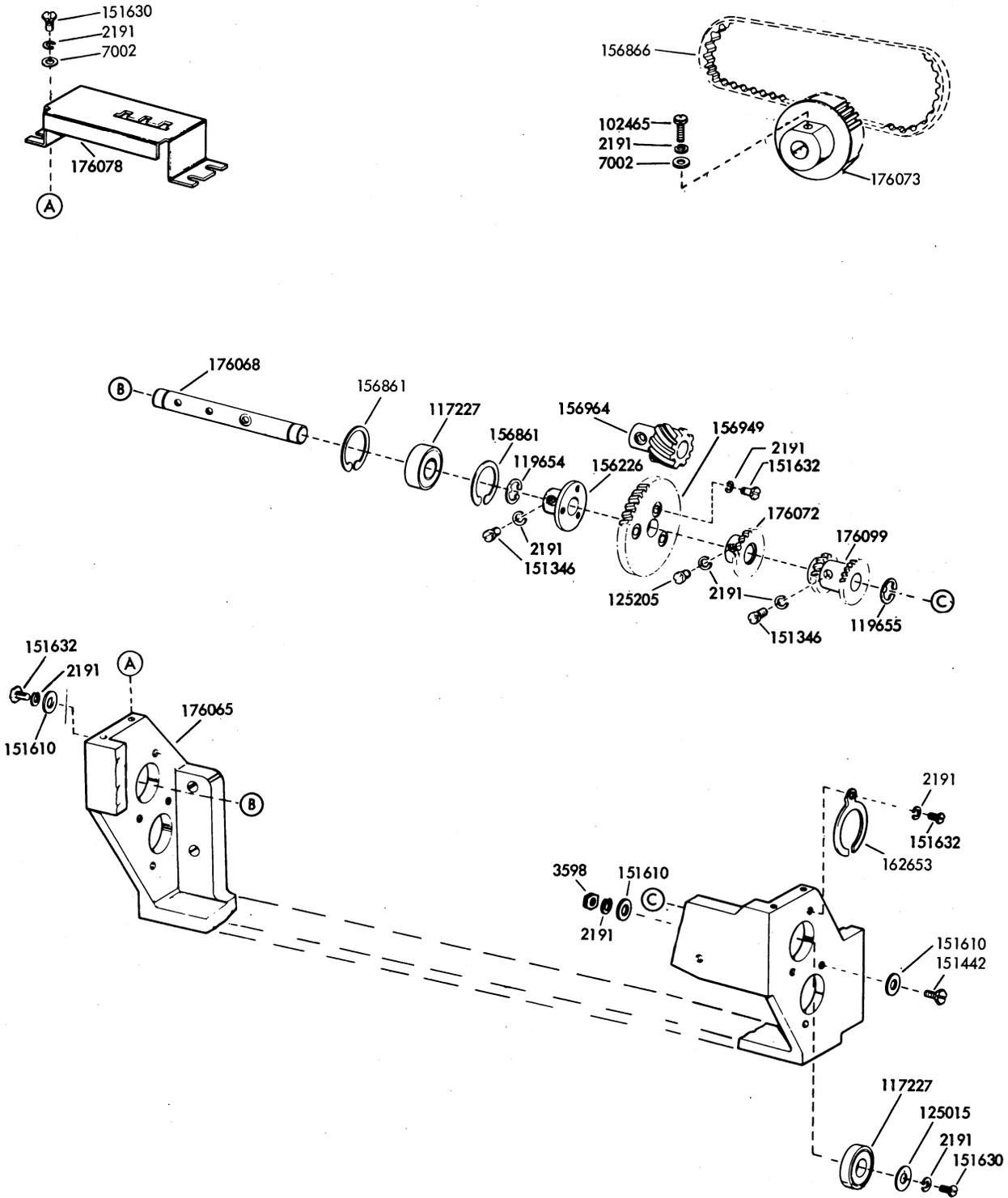


FIGURE 34. 176100 VARIABLE SPEED MECHANISM ASSEMBLY
(Compact Receiving Only Reperforator)

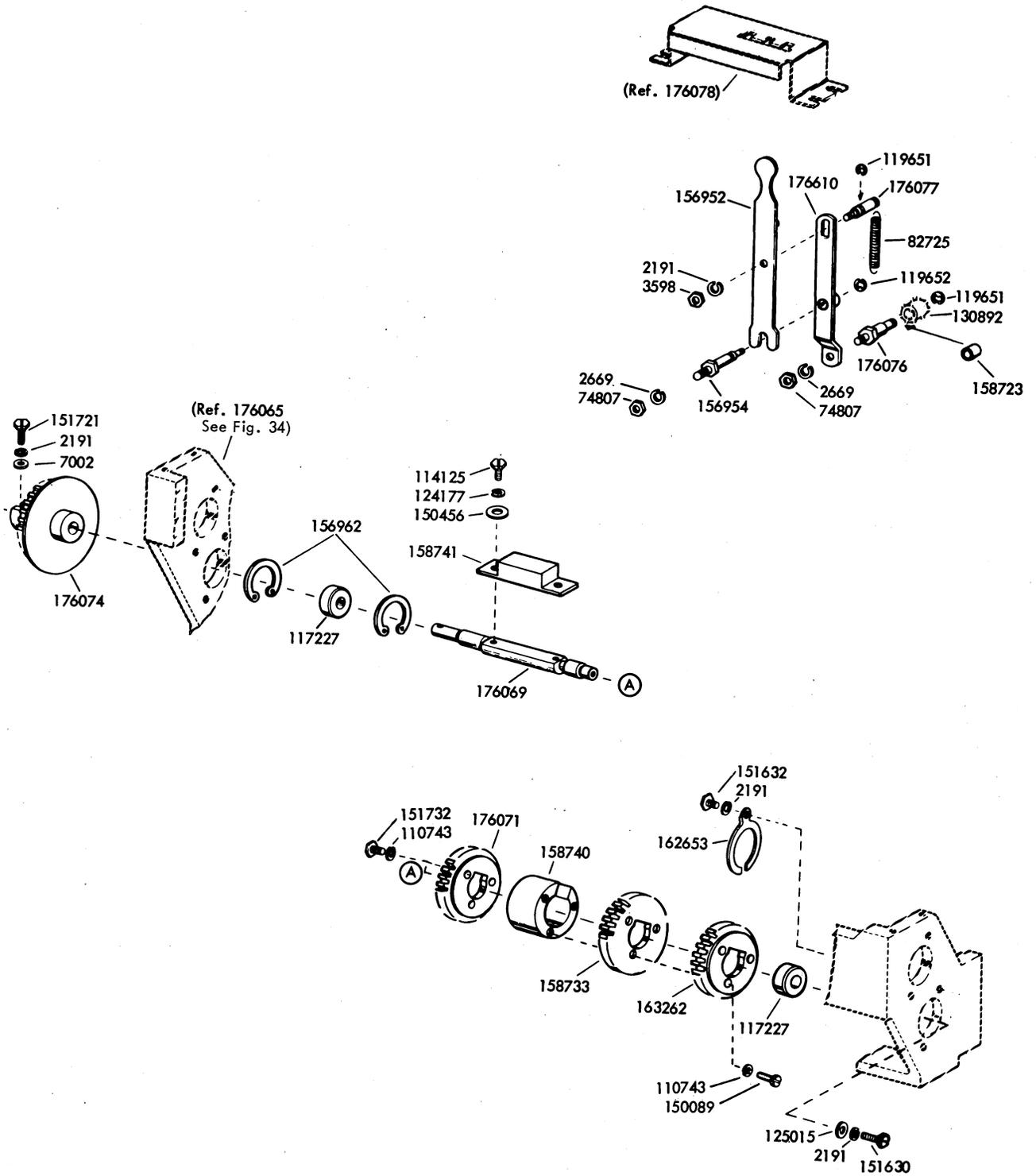


FIGURE 35. 176100 VARIABLE SPEED MECHANISM ASSEMBLY
(Compact Receiving Only Reperforator)

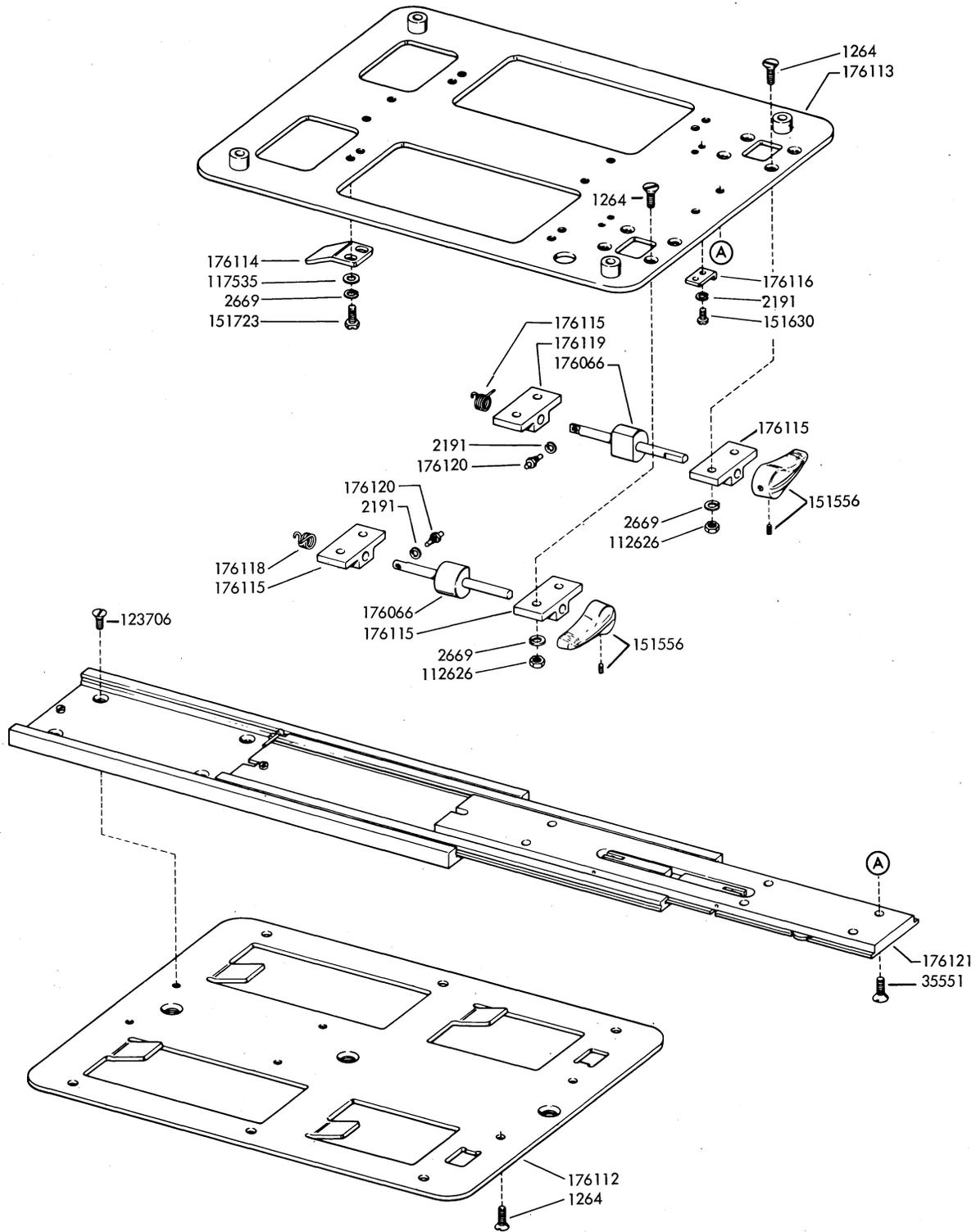
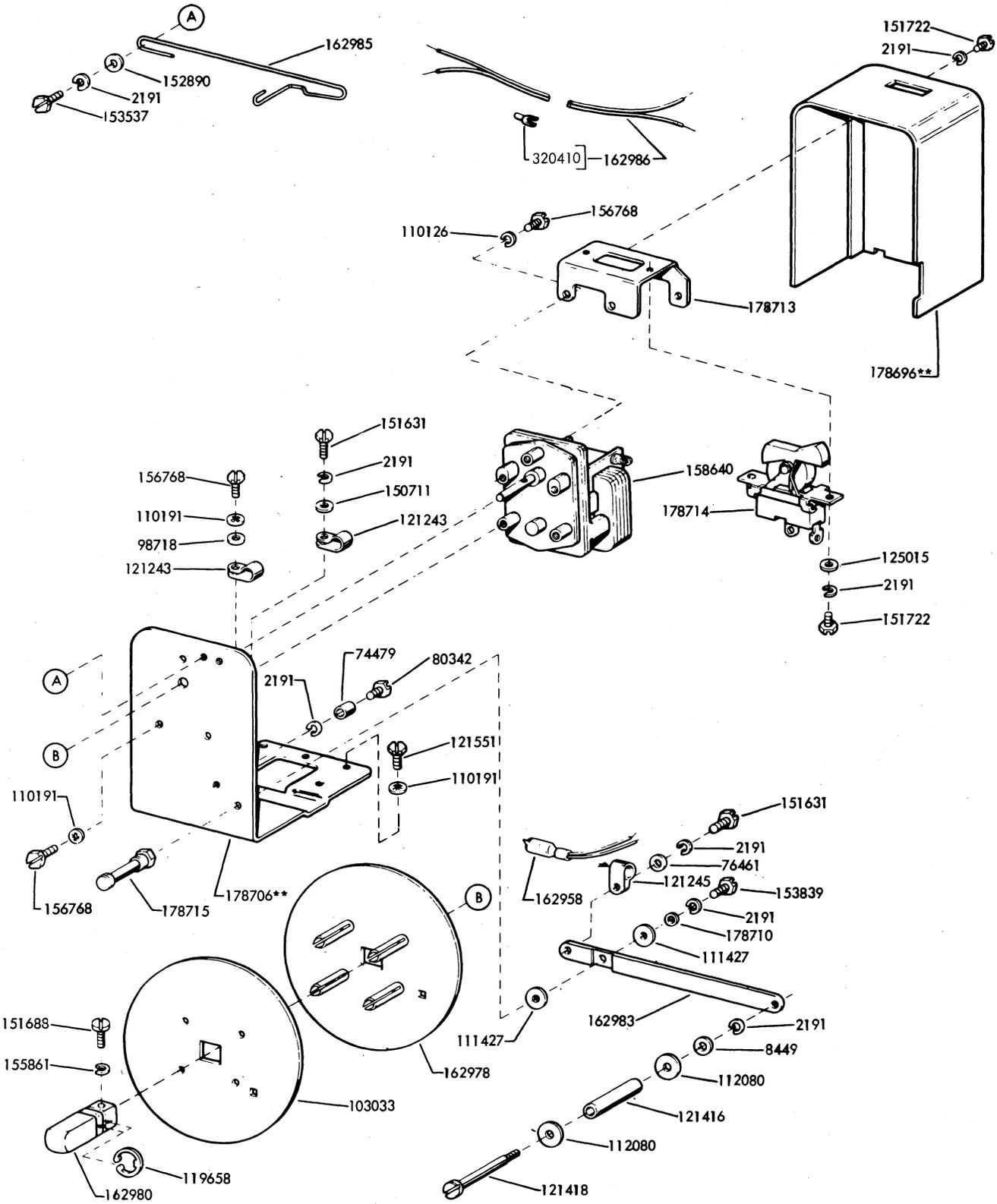


FIGURE 36. 174459 MODIFICATION KIT TO PROVIDE A SLIDING BASE



**Refer to page 1 for finish suffix

FIGURE 40. 162957** TAPE WINDER ASSEMBLY

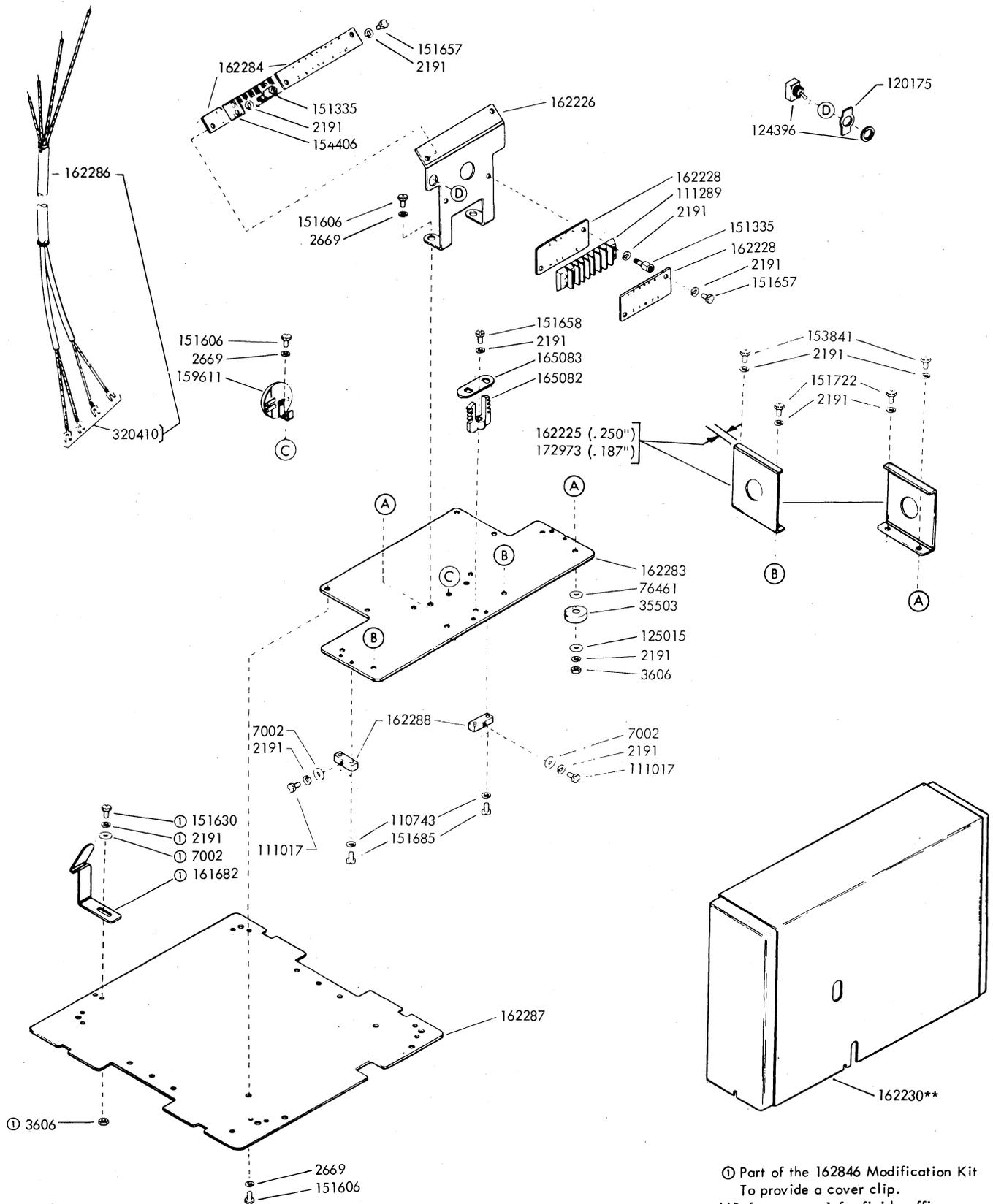


FIGURE 41. REPERFORATOR BASE WITH EXTENSION

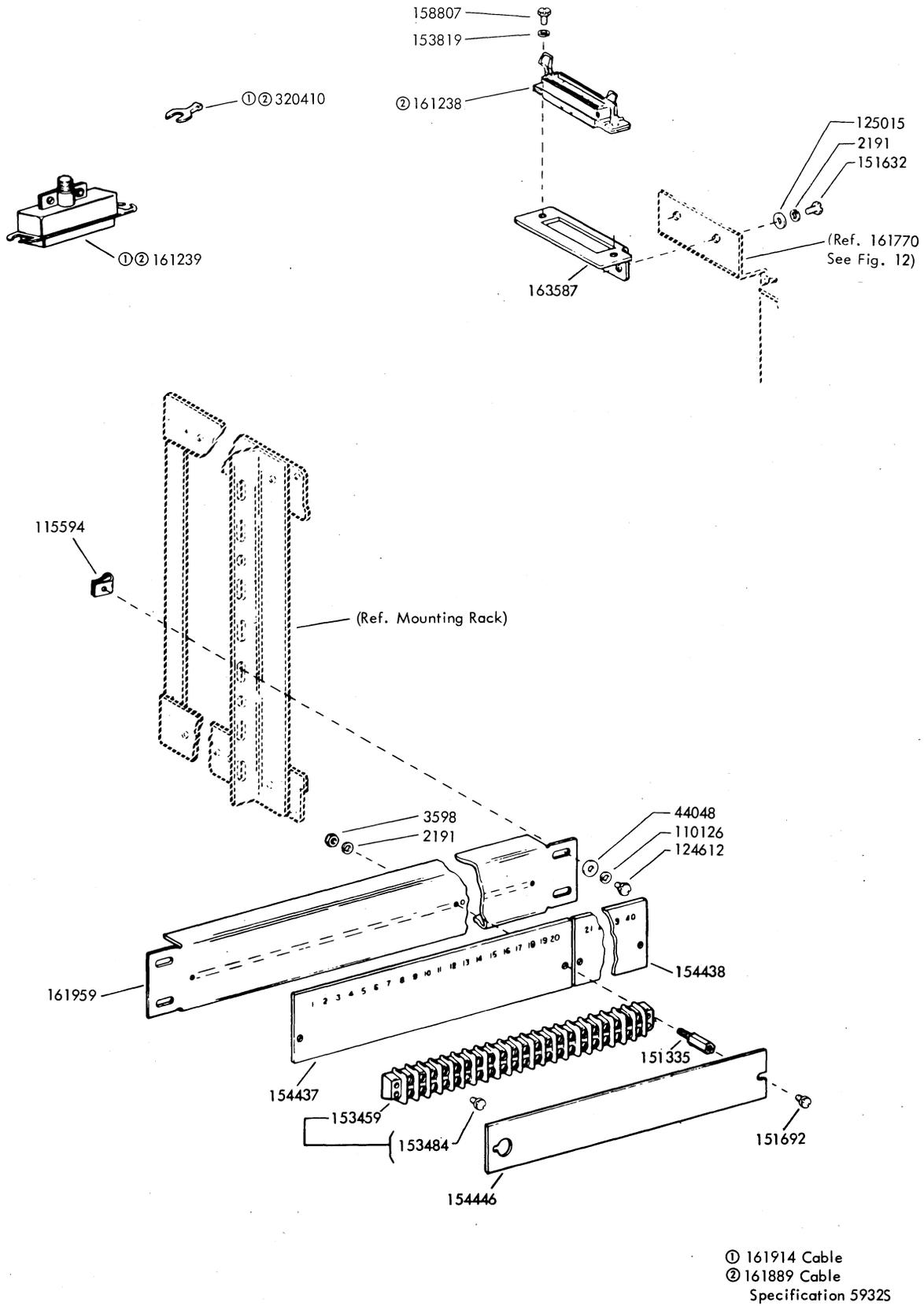


FIGURE 42. 161827 MODIFICATION KIT TO ADD CODE READING CONTACT CABLING

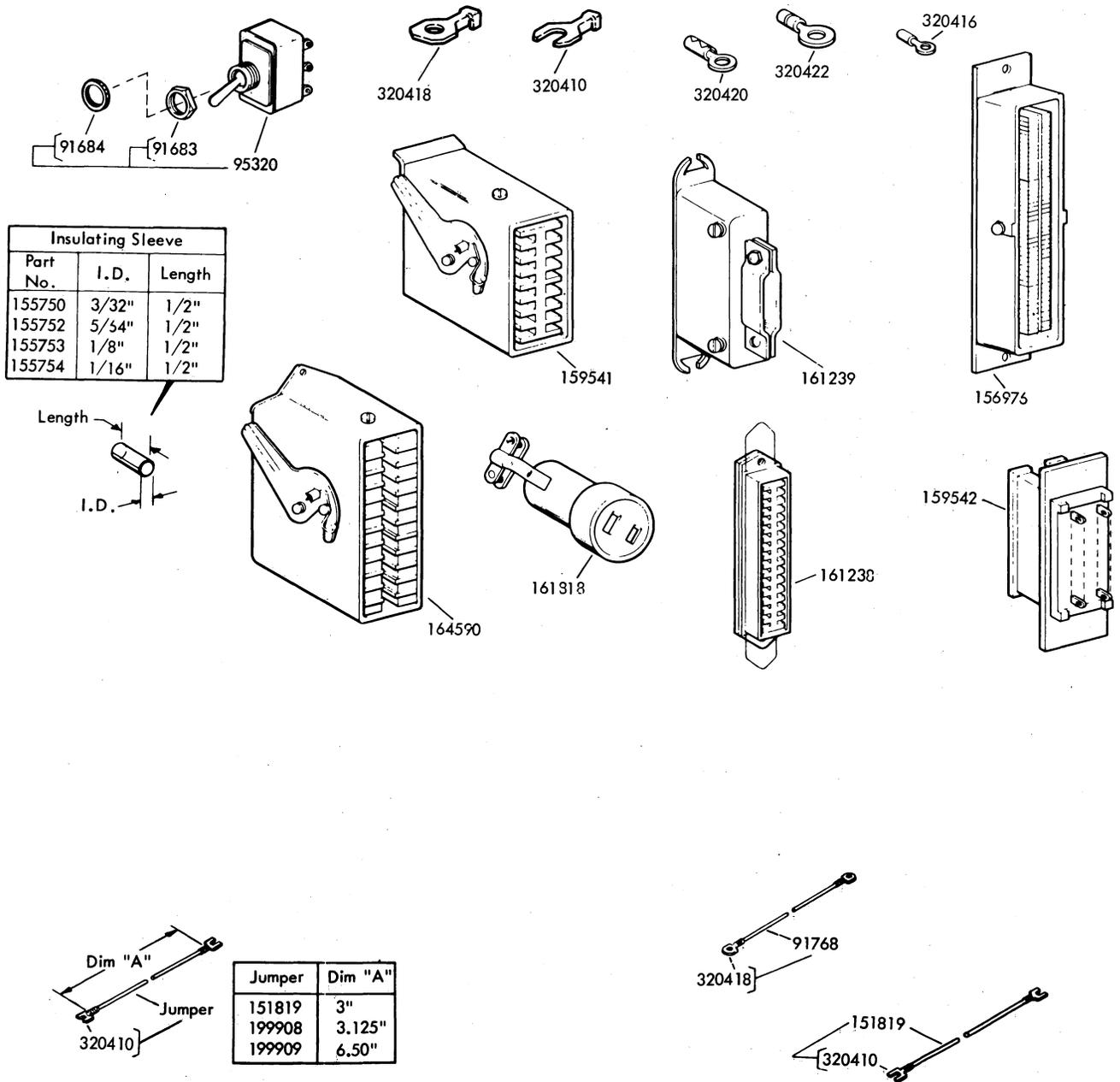


FIGURE 43. CABLE COMPONENTS

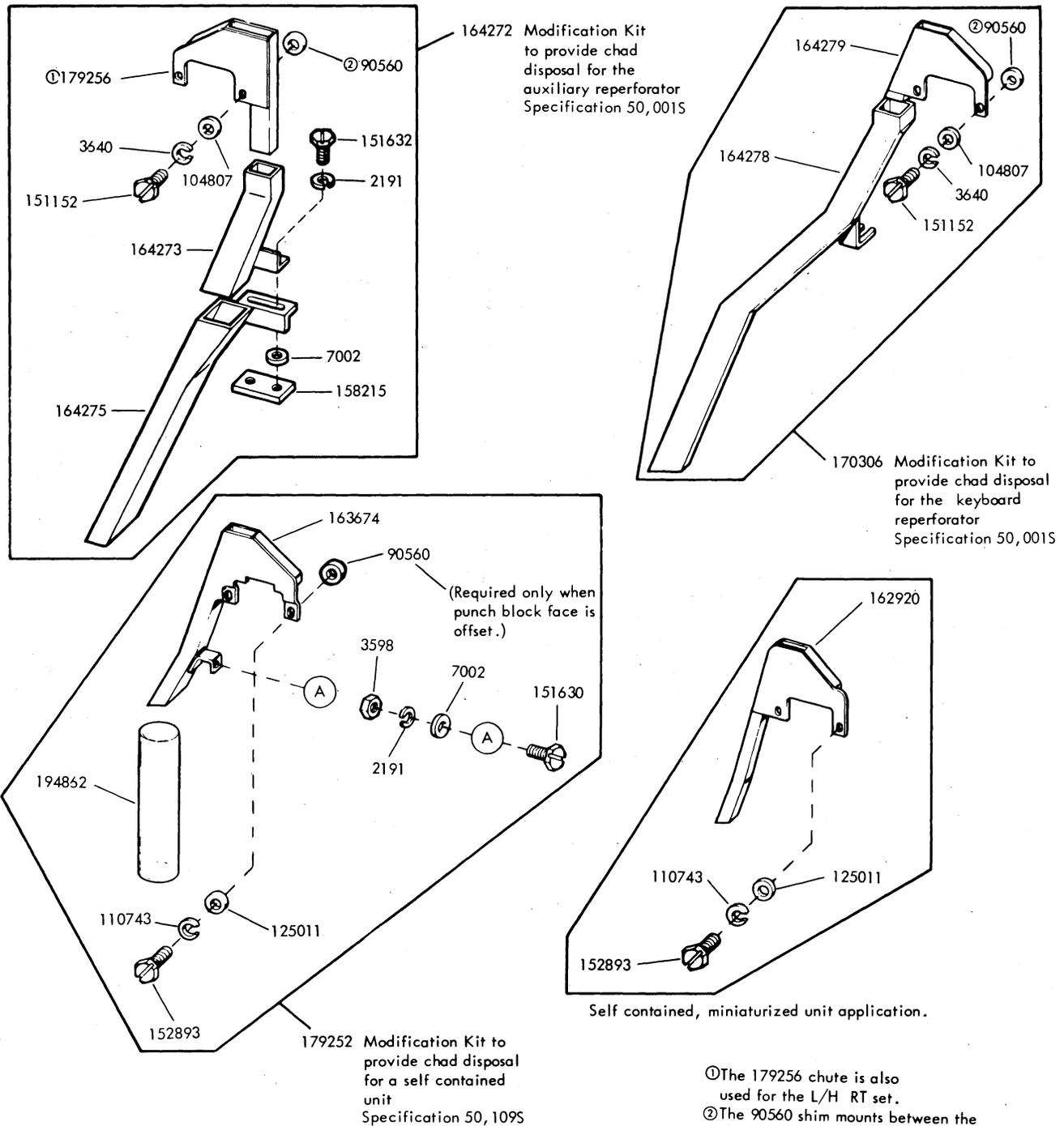
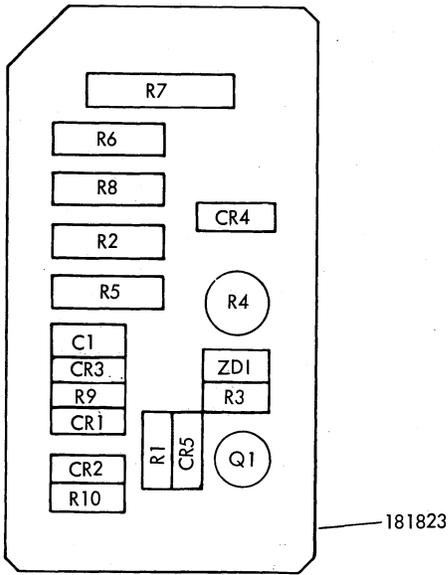


FIGURE 44. MODIFICATION KITS TO PROVIDE CHAD DISPOSAL



REFERENCE DESIGNATION	TELETYPE PART NO	DESCRIPTION
R1	182779	Resistor 420 Ohm
R10	182797	Resistor 135 Ohm
R2	181669	Resistor 330 Ohm
R3	182778	Resistor .82 Ohm
R4	182773	Potentiometer
R5	181717	Resistor 8 Ohm
R6	182770	Resistor 270 Ohm
R7	182772	Resistor 14 Ohm
R8	182627	Resistor 390 Ohm
R9	182776	Resistor 150 Ohm
CR1, CR2	182520	Rectifier
CR3, CR4	181619	Diode
CR5	178844	Varistor
ZD1	182774	Diode
C1	182628	Capacitor, 10 MFD
Q1	181671	Transistor

Note:
See Fig. 1
for Location.

FIGURE 45. 181821 CIRCUIT CARD

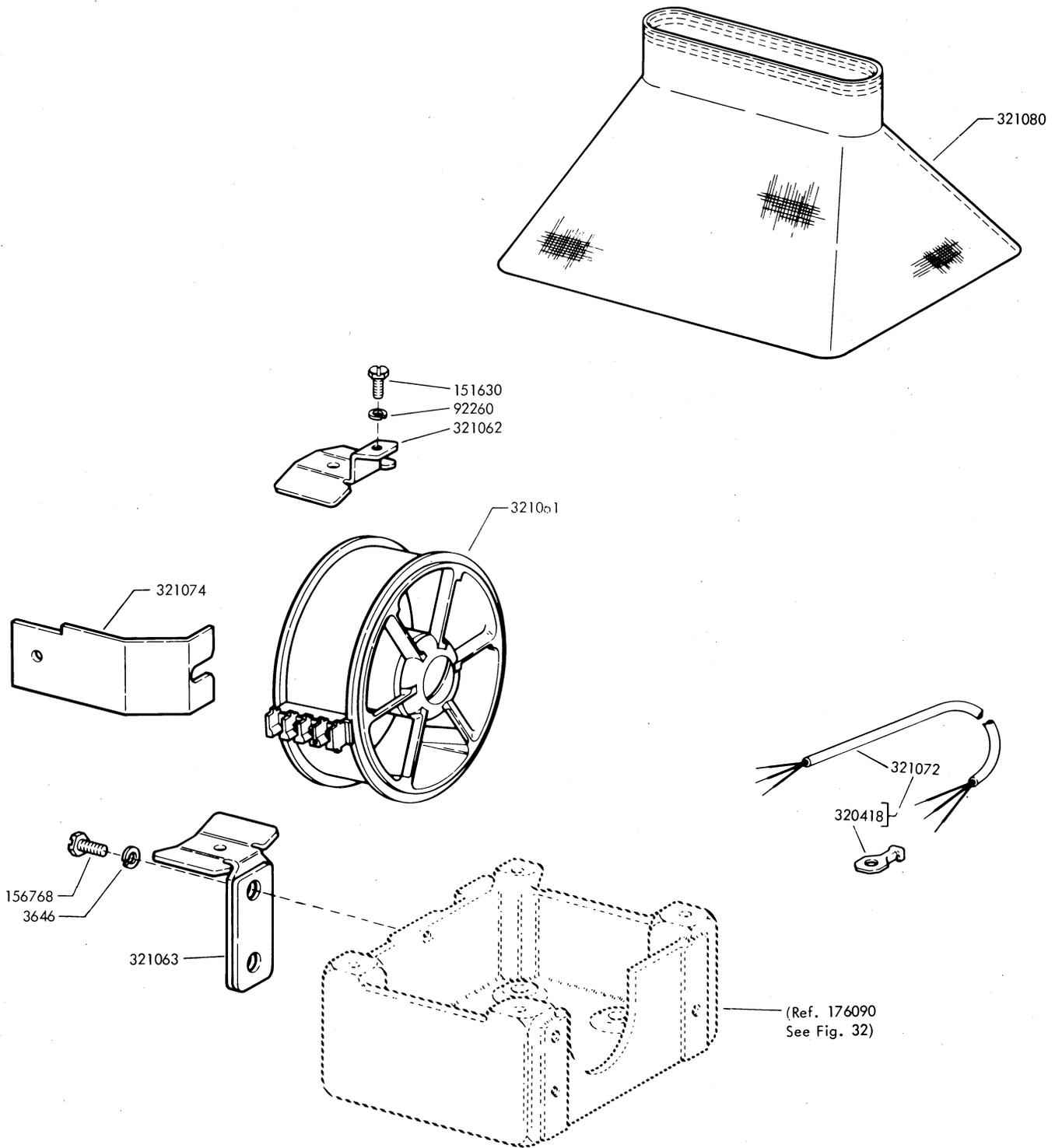


FIGURE 46. FAN AND MOUNTING BRACKETS FOR MINIATURIZED BASE

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
1156	Screw, 2-56 x 9/16 Fil 31	35551	Screw, 10-32 x 3/8 Flat 26,36	98659	Bracket, Switch 4
1163	Screw, 4-40 x 3/16 Fil 9	42062	Washer, Flat 30	98718	Washer, Flat 40
1164	Screw, 2-56 x 3/16 Fil 38	44048	Washer, Flat 32,42	98726	Screw, 3-48 x 1/4 Fil 20, 24,37,38
1178	Screw, 2-56 x 7/16 Fil 21, 38	45815	Washer, Lock 21,32,37	98736	Switch, SP-ST Toggle 9
1210	Screw, 2-56 x 5/8 Fil 14, 33	49056	Screw, 10-32 x 7/8 Hex 22,25	99381	Foot, Rubber 6,30,32,37
1245	Screw, 10-32 x 1" Fil 30	61085	Washer, Lock 20,24	99978	Connector, 4 Pt Plug 19
1264	Screw, 10-32 x 1/2 Flat 26,36	70314	Washer, Flat 25,31	101633	Washer, Flat 15
2191	Washer, Lock 3 to 18, 20,21,22,24 to 32,34 to 42,44	71073	Washer, Flat 14	102465	Screw, 6-40 x 37/64 Fil 34
2263	Nut, 8-32 Hex 32	71858	Washer, Flat 14	103033	Lid, Tape Reel 40
2382	Washer, Lock 37	74100	Washer, Leather 21	103323	Washer, Flat 31
2449	Washer, Lock 5,6,14, 18,20,24	74479	Bushing 40	104124	Screw, 1/4-32 x 11/32 Hex 5,6,20,24
2669	Washer, Lock 4 to 7,9, 11 to 15,20,22,24 to 27, 30,32,35 to 38,41	74805	Screw, 10-32 x 3/4 Hex 30	104807	Washer, Flat 28,44
2836	Spring 33	74807	Nut, 10-32 Shoulder Hex 12,35	107116	Washer, Lock 3,26
3438	Washer, Flat 5,6,11,13, 14,24,25,30,32,37	75750	Washer, Insulating 8	107393	Switch, SP-ST Toggle 4
3598	Nut, 6-40 Hex 3,7,8,12, 14,20,22,24,26,28,29, 32,34,35,38,42,44	76081	Washer, Flat 12	110126	Washer, Lock 40,42
3599	Nut, 4-40 Hex 3	76379	Spring 10	110191	Washer, Lock 40
3606	Nut, 6-40 Hex 14,15,39, 41	76461	Washer, Flat 14,20,24, 40,41	110435	Nut, 4-40 Hex 14,21
3624	Washer, Flat 10,21,33,39	76953	Washer, Flat 20,24	110437	Spring 21
3640	Washer, Lock 4,6,10,13, 16,17,28,30,31,33,39,44	77902	Screw, 6-40 x 2-3/8 Rd 8	110438	Spring 33
3646	Washer, Lock 6,30,32,37, 46	78596	Washer, Friction 12	110664	Switch, SP-ST Toggle 32
3649	Washer, Flat 30	80342	Screw, 6-40 x 23/64 Hex 40	110743	Washer, Lock 3,9,12,14, 16,21,22,25,35,41,44
3870	Spring 14	82725	Spring 12,35	111017	Screw, 6-40 x 5/16 Fil 4, 6,9,20,24,30,32,38,41
3899	Spacer, .188" Thk 39	82832	Washer, Lock 14	111289	Block, Terminal 41
6345	Nut, 6-32 Hex 3	83877	Spring 10,39	111427	Washer, Flat 22,25,40
6565	Screw, 8-32 x 1-1/4 Fil 6,30,32,37	84354	Washer, Flat 18	111516	Washer, Flat 21
7002	Washer, Flat 3,5,6,7,8, 10,11,12,14,20,21,22,24, 25,26,28,30,31,32,34,35, 37,38,39,41,44	84551	Jumper, 5-1/4" Black 20,24	111776	Connector, 4 Pt Plug 39
7599	Spring, Compression 16	85318	Washer, Leather 26	111777	Connector, 4 Pt Receptacle 38,39
8449	Spacer, .094" Thk 10,14, 21,39,40	90560	Washer, Flat 28,44	112080	Washer, Flat 40
22015	Spring 31	90606	Spring 14,39	112626	Nut, 10-32 Hex 4,21,22, 25,26,27,30,36
25123	Screw, 1/4-32 x 7/16 Hex 18	90790	Washer, Flat 10	112663	Screw, 6-40 Shoulder 29
35503	Foot, Rubber 41,	91683	Nut, 15/32-32 Hex 6,7,9, 19,20,24,43	113850	Washer, Flat 12
		91684	Nut, 15/32-32 Ring 6,7,9, 19,20,24,43	114125	Screw, 6-40 x 3/8 Hex 12, 16,35
		91768	Jumper, 3-1/2" Black 30, 32,43	114347	Post, 30
		92146	Nut, 1/4-20 Hex 14	114466	Connector, 3 Pt Receptacle 4,6,37
		92260	Washer, Lock 12,32,46	114467	Connector, 3 Pt Plug 4,6,37
		92265	Screw, 2-56 x 1/8 Rd 14	115130	Spacer, .062" Thk 31
		93108	Washer, Lock 20,24	115594	Nut, Speed 42
		93117	Washer, Lock 10,14,21,31, 33,38,39	116669	Lens, Red 37
		95320	Switch, SP-ST Toggle 6,7, 20,24,27,43	116699	Lamp, 1/25 Watt Neon 37
		97981	Spacer 39	116783	Holder, Fuse 6,7,9,30,32, 38
				116785	Fuse, .3 Amp 3
				117227	Bearing, Ball 34,35

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Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
117535	Washer, Flat 9,14,32,36	125205	Screw, 6-40 x 7/16 Fil 11,34	150992	Stud 14,21
118511	Fuse, 1/8 Amp 7	125218	Nut, 1/4-32 Hex 20,24	151073	Screw, 4-40 x 5/32 Fil 31
118589	Switch, Black Pushbutton 7	125224	Nut, 1/4-32 Hex 5,6,20,24	151152	Screw, 4-40 x 3/16 Hex 16,44
118609	Holder, Fuse 30	125229	Nut, 6-32 Hex 31	151229	Washer, Flat 14,37
119467	Insulator .032" Thk 10, 21,33,39	125231	Nut, 10-32 Hex 20,24	151245	Washer, Felt 33
119634**	Button, Plug 30	125250	Spring 21	151335	Stud 4,6,20,24,30,32, 38,41,42
119649	Ring, Retaining 39	126959	Washer, Flat 9	151346	Screw, 6-40 x 3/8 Fil 11, 13,15,16,22,25,31,34
119651	Ring, Retaining 12,16,35	129919	Fuse, SL-BL 4 Amp 6,9	151411	Block, Terminal 4,6,9,32
119652	Ring, Retaining 16,31,33, 35	129933	Resistor, 1200 Ohm 8	151412	Insulator 4,6,9,32
119653	Ring, Retaining 12,33	130499	Bearing, Ball 12,15,16	151415	Block, Terminal 4,20,24, 38
119654	Ring, Retaining 11,34	130892	Washer, Felt 12,16,35	151416	Nut, 6-40 Hex 4,6,9,20, 24,30,32,38
119655	Ring, Retaining 11,31,34	136148	Modification Kit 6	151442	Screw, 6-40 x 1/2 Hex 3,12,15,22,25,31, 32,34
119658	Ring, Retaining 40	138538	Fuse, SL-BL 2 Amp 7,32	151453	Nut, 10-32 Hex 37
120175	Plate, ON-OFF 4,6,7, 9,19,20,24,37,41	142269	Fuse, SL-BL 3 Amp 30	151540	Lampholder 7
120206	Socket, Lamp 37	142612**	Guide 39	151556	Knob w/Set Screw 36
121242	Clamp, 1/8 ID Cable 6,7, 30,37	142615	Guide, Tape 39	151562	Lamp 115 V Incandescent 7
121243	Clamp, 3/16 ID Cable 10,40	142622	Reel, Tape 39	151572	Washer, Lock 18,37
121244	Clamp, 1/4 ID Cable 5,7, 26,32	142623	Reel, Tape 39	151606	Screw, 10-32 x 1/4 Hex 6, 7,15,37,38,41
121245	Clamp, 5/16 ID Cable 6,40	142624	Roller 39	151610	Washer, Flat 10,11,21,22, 25,32,34
121246	Clamp, 3/8 ID Cable 32	142625	Shaft 39	151618	Screw, 6-40 x 7/16 Fil 16
121247	Clamp, 7/16 ID Cable 20, 24,32	142626	Bracket 39	151630	Screw, 6-40 x 1/4 Hex 4, 6,7, 10 to 15,20,21,22, 24,25,27,28,30,31,32,34 to 39,41,44,46
121248	Clamp, 1/2 ID Cable 20,24	142636	Spacer, 1.078" Thk 39	151631	Screw, 6-40 x 5/16 Hex 3, 5,6,7,8,10,11,14,15,18, 20,22,24,25,26,30,31,32, 40
121249	Clamp, 5/8 ID Cable 20, 21,24	142637	Spacer, 1.203" Thk 39	151632	Screw, 6-40 x 3/8 Hex 3, 11,14,15,18,21,26,30,32, 34,35,38,42,44
121416	Roller 40	142648**	Retainer 39	151634	Bearing, Ball 22,25
121418	Screw, 6-40 Shoulder 40	142665	Nut, 8-32 Spl 6,30,32,37	151637	Screw, 4-40 x 1/4 Fil 4, 6,30
121551	Screw, 8-32 x 1/4 Hex 40	142709	Fuse, 2 Amp 38	151657	Screw, 6-40 x 1/4 Fil 13, 16,38,39,41
121630	Washer, Flat 25	144727	Keytop w/Shaft 38	151658	Screw, 6-40 x 5/16 Fil 6, 15,17,41
122245	Capacitor, 43 to 48 MFD 7	144729	Bracket 38	151659	Screw, 6-40 x 1/2 Fil 22,25
123539	Clamp, Cable 30	144731	Plate, Switch Actuator 38	151660	Screw, 6-40 x 7/8 Fil 32
123706	Screw, 10-32 x 1/4 Flat 5,36	144732	Insulator 38	151685	Screw, 4-40 x 5/16 Fil 39,41
124177	Washer, Lock 12,16,35	144733	Spring, Compression 38		
124396	Switch Assembly 6,37,41	144734	Plate, Retaining 38		
124611	Screw, 8-32 x 3/8 Hex 32	145320	Connector, 4 Pt Receptacle 19		
124612	Screw, 8-32 x 1/2 Hex 42	148318	Board, Terminal 3		
124741	Washer, lock 20,24	148641	Bracket, Mounting 8		
124999	Switch, Sensitive 10,20, 21,24,31,33,39	148644	Plate, Lower Base 8		
125011	Washer, Flat 3,9,31,33, 39,44	150055	Stud 29		
125015	Washer, Flat 6,8,10,14, 15,18,20,24,32,34,35, 39,40,41,42	150089	Screw, 4-40 x 1/2 Fil 12, 13,16,22,25,35		
		150336	Bushing 39		
		150432	Washer, Flat 22		
		150456	Spacer, .050" Thk 12,35		
		150652	Screw, 4-40 x 37/64 Fil 16		
		150711	Washer, Flat 40		
		150802	Clamp 22,25		
		150949	Plate, Serial 14		
		150950	Plate, Code 14		
		150966	Insulator, Terminal 4,20, 24,38		

**Refer to page 1 for finish suffix

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Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
151686	Screw, 4-40 x 3/8 Fil 9	154076	Plate, Nut 18	156769	Plate, Teletype Identification 14
151688	Screw, 4-40 x 5/8 Fil 40	154406	Block, Terminal 41	156807	Disk 15
151690	Screw, 10-32 x 5/16 Fil 12	154437	Insulator, Terminal 42	156808	Disk 15
151691	Screw, 10-32 x 3/8 Fil 32	154438	Insulator, Terminal 42	156861	Ring, Retaining 11,13,34
151692	Screw, 6-40 x 3/16 Fil 12,37,42	154446	Cover 42	156864	Pulley, 16T 13
151693	Screw, 6-40 x 9/16 Fil 9, 22,25	154697	Grommet, Rubber 30	156866	Belt, 55T 11,13,34
151694	Screw, 6-40 x 11/32 Fil 13,31	155023	Switch, DP-DT Toggle 19	156887	Screw, 10-32 x 9/16 Hex 5,6,11,13,27,30,32
151712	Button, Pivot 30	155750	Lg Insulating 4,7,19,20, 24,43	156898	Cable w/Terminals 4
151721	Screw, 6-40 x 3/4 Hex 10, 22,35,39	155751	Sleeve, 1/8 ID x 1" Lg Insulating 4,10,20,39	156904	Guard 13
151722	Screw, 6-40 x 3/16 Hex 3, 4,6,22,25,31,40,41	155752	Sleeve, 5/64 ID x 1/2" Lg Insulating 7,37,43	156936	Screw, 1/4-32 x 5/16 Hex 5,6,20,24
151723	Screw, 10-32 x 3/8 Hex 5, 9,14,24,25,32,36,37	155753	Sleeve, 1/8 ID x 1/2" Lg Insulating 3,7,9,10,19, 33,43	156949	Gear, 36T 11,34
151724	Screw, 10-32 x 5/8 Hex 32,37	155754	Sleeve, 1/16 ID x 1/2" Lg Insulating 7,32,37,43	156950	Shaft w/Bearing 12
151731	Screw, 4-40 x 7/8 Fil 17	155755	Sleeve, 11/64 ID x 5/8" Lg Insulating 3,6,27,30, 31,37	156951	Link 12
151732	Screw, 4-40 x 11/32 Fil 7,12,16,35	155861	Washer, Lock 40	156952	Lever, Guide 12,35
151733	Screw, 4-40 x 9/16 Fil 12, 14,16,21	155954	Switch, Sensitive 38	156953	Hub, Sprocket 12
151737	Screw, 4-40 x 11/64 Hex 33	156057	Washer, Flat 16	156954	Stud 12,35
151819	Jumper, 3" Black 30,32, 43	156226	Hub 11,13,31,34	156955	Pulley, 24T 12
151827	Strap, Terminal 6,32	156334	Stud 5,6,20	156956	Retainer, Belt 12
151880	Nut, 4-40 Hex 12,17,20, 24,39	156336	Post 5,6	156958	Pulley, 21T 11
151922	Clamp 30	156337	Washer, Flat 6,30,32,37	156959	Bushing 12
151925	Clamp 30	156338	Post 5,6	156960	Screw, 6-40 Shoulder 12
152495	Bushing 3	156339	Bushing 6,30,32,37	156961	Screw, 6-40 Shoulder 12
152890	Washer, Flat 40	156340	Bracket 4	156962	Ring, Retaining 12,35
152893	Screw, 4-40 x 1/4 Hex 28, 44	156342	Plate 10	156964	Pinion, 9T 11,34
153442	Screw, 10-32 x 1/4 Hex 4, 9,14,21	156343	Hub 13	156965	Frame, Gear Shift 11
153459	Block, Terminal 42	156344	Bracket, Adjusting 5,6, 20,24	156966	Plate, Base 4,5,13
153484	Screw, 6-32 Spl 42	156398	Holder, Bearing 13	156967	Shaft, Drive 11
153537	Screw, 6-40 x 9/32 Hex 40	156400	Pulley, 28T 13,16,23,25	156968	Plate, Guide 11
153538	Screw, 6-40 x 7/16 Hex 20,21,24,31	156444	Plate, Lower Base 6	156971	Screw, 2-56 x 3/4 Fil 10, 39
153539	Screw, 6-40 x 11/16 Hex 10,14,21,39	156445	Bracket, Switch 6	156972	Cable Assembly 10
153817	Screw, 4-40 x 3/8 Hex 20, 24	156446	Handle 6	156974	Container Assembly, Tape 10
153819	Washer, Lock 14,37,38,42	156448	Bushing 10,14,21,39	156975	Bracket, Connector Mounting 4
153839	Screw, 6-40 x 5/8 Hex 40	156449	Lever, Switch 10,14,21,39	156976	Connector, 32 Pt Plug 4, 43
153841	Screw, 6-40 x 9/16 Hex 41	156451	Bushing 10,14,21,39	156978	Cable Assembly 4
		156452	Lever, Tape 10,39	156981	Gear, 44T 13
		156460	Container, Tape 5,7,10	156982	Pinion, 9t 13
		156470	Guide, Tape 10	156983	Gear, 47T 13
		156501	Screw, 6-40 x 7/32 Fil 39	156984	Pinion, 12T 13
		156588	Ring, Retaining 15	156985	Gear, 42T 13
		156656	Jumper, 2-3/4" Black 37	156986	Pinion, 14T 13
		156768	Screw, 8-32 x 9/32 Hex 32,40,46	158163	Switch, Sensitive 14
				158215	Plate, Nut 7,44
				158238	Plate 21

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Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
158239	Lever, Tape 14,21,31	161301	Post 15	161777	Stud, Mounting 18
158250	Block, Terminal 30	161503	Base 20	161778	Stud, Mounting 18
158252	Insulator, Terminal 30	161505	Stud 14,20,24	161779	Shaft w/Bearing 15,16,17
158289	Reel, Tape 10,14,21	161506	Shaft 22	161780	Retainer 15
158640	Motor, 115 V AC Shaded Pole 40	161507	Plate, Bearing Mounting 22	161781	Hub 15
158712	Gear, 26T 11,16	161508	Bar, Mounting Plate 22,25	161782	Gear, 90T 15
158716	Gear, 39T 12,16	161509	Hub, Sprocket 23,25	161783	Gear, 45T 15
158723	Roller 12,16,35	161510	Pulley, 16T 23,25	161784	Gear, 18T 17
158732	Gear, 24T & 18T 11,16	161511	Retainer, Belt 13,16,17, 23,25	161785	Gear, 24T 17
158733	Gear, 44T 12,16,35	161512	Retainer 22	161786	Gear, 26T 17
158734	Gear, 47T 12,16	161516	Pan, Oil 20	161787	Shaft w/Bearing 15,16
158736	Nut, 6-40 Cap 16	161519	Gear Set, 67 WPM 13	161788	Hub 16,17
158740	Block 12,16,35	161520	Belt, 64T 23,25	161789	Pulley, 16T 16,17
158741	Bar 12,16,35	161523	Panel 21	161790	Gear, 44T 17
158745	Clamp, Bearing 11,13,15	161526	Connector, 14 Pt Receptacle 20,24	161791	Gear, 47T 17
158795	Plate 31	161527	Container Assembly, Tape 2,21	161792	Gear, 39T 17
158807	Screw, 3-48 x 11/64 Fil 14,42	161528	Cable Assembly 20,24	161793	Block 16
158989	Capacitor, 20 MFD 27	161529	Guide, Tape 21	161794	Block, Slide 16
158990	Bracket, Mounting 27	161530	Gear Set, 60 WPM 23	161795	Stud 16
159287	Retainer, Pinion 15	161531	Gear, 44T 23	161796	Stud 16
159341	Bearing, Ball 11,15,31	161532	Pinion, 9T 23	161797	Plate, Index 16
159377	Modification Kit 2,13	161533	Gear Set, 75 WPM 23	161798	Guide w/Bracket 18
159417	Modification Kit 11,12	161534	Gear, 47T 23	161800	Bracket 18
159433	Plate, Grease Retainer 11	161535	Pinion, 12T 23	161801	Bracket, Mounting 9
159540	Post, Spring 10,39	161536	Gear Set, 100 WPM 23	161803	Guide, Tape 14
159541	Connector, 16 Pt Plug 6, 43	161537	Gear, 42T 23	161805	Guard, Gear 15
159542	Connector, 16 Pt Receptacle 6,7,43	161538	Pinion, 14T 23	161806	Belt, 48T 16
159543	Washer, Flat 10,39	161546	Mount, Vibration 20,24	161807	Shift Assembly, Gear 16
159551	Cable w/Terminals 4	161552	Screw, 10-32 Spl 20, 24	161809	Stud 15
159589	Bracket, Mounting 6,7	161654	Gear Set, 60 WPM 13	161811	Gear Set, 60 WPM 17
159592	Cable Assembly 7	161655	Gear Set, 75 WPM 13	161812	Gear Set, 75 WPM 17
159600	Shaft w/Bearing 13	161656	Gear Set, 100 WPM 13	161813	Gear Set, 100 WPM 17
159610	Mount, Vibration 6,30, 32,37	161673	Post 20	161815	Modification Kit 2,18
159611	Bell 41	161674	Post 20	161817	Connector, 2 Pt Plug 9
159929	Bracket, Light Mounting 7	161676	Hub, Gear 22,25	161818	Connector, 2 Pt Receptacle 43
159931	Clamp 6	161678	Modification Kit 2,26	161819	Guard, Gear 15
159932	Keeper 6	161680	Modification Kit 23	161821	Cable Assembly 14
159991	Plate, Clamp 12	161682	Clip, Cover 41	161824	Stud 15,16
160307	Diode 7	161683	Channel w/Rail 26	161826	Plate 14
160369	Switch, NO Pushbutton 19	161684	Channel, Right 26	161827	Modification Kit 2,42
161103	Gear, 49T 13	161685	Bracket, Switch 20,24	161873	Resistor, 5,000 Ohm 7
161104	Pinion, 11T 13	161687	Guard, Gear 22	161889	Cable assembly 42
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