

28 TRANSMITTER DISTRIBUTOR BASE (LCXB)
PARTS

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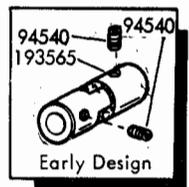
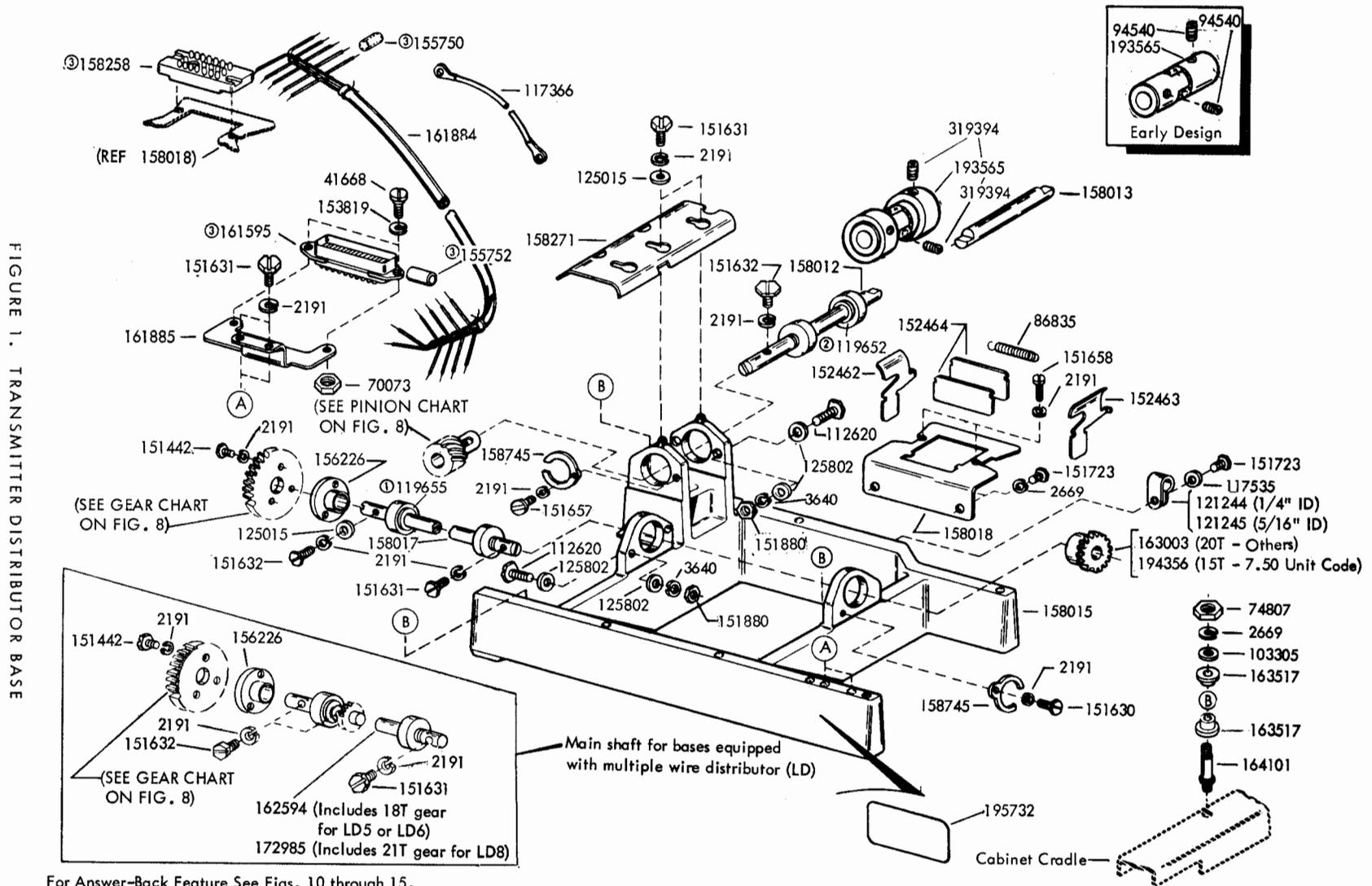
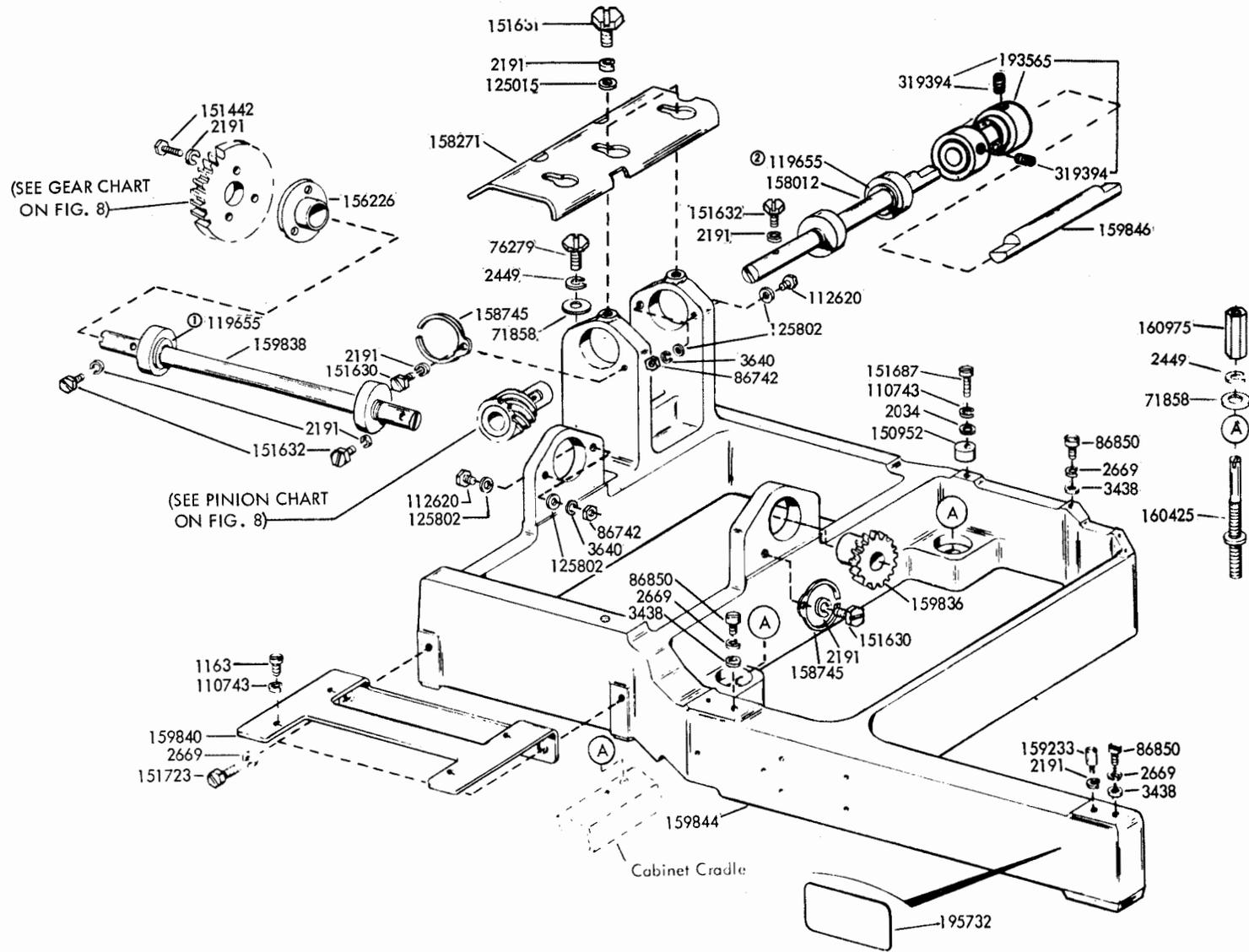


FIGURE 1. TRANSMITTER DISTRIBUTOR BASE

For Answer-Back Feature See Figs. 10 through 15.
 ① Part of 158017 ② Part of 158012
 ③ Part of 161884 Cable Assembly

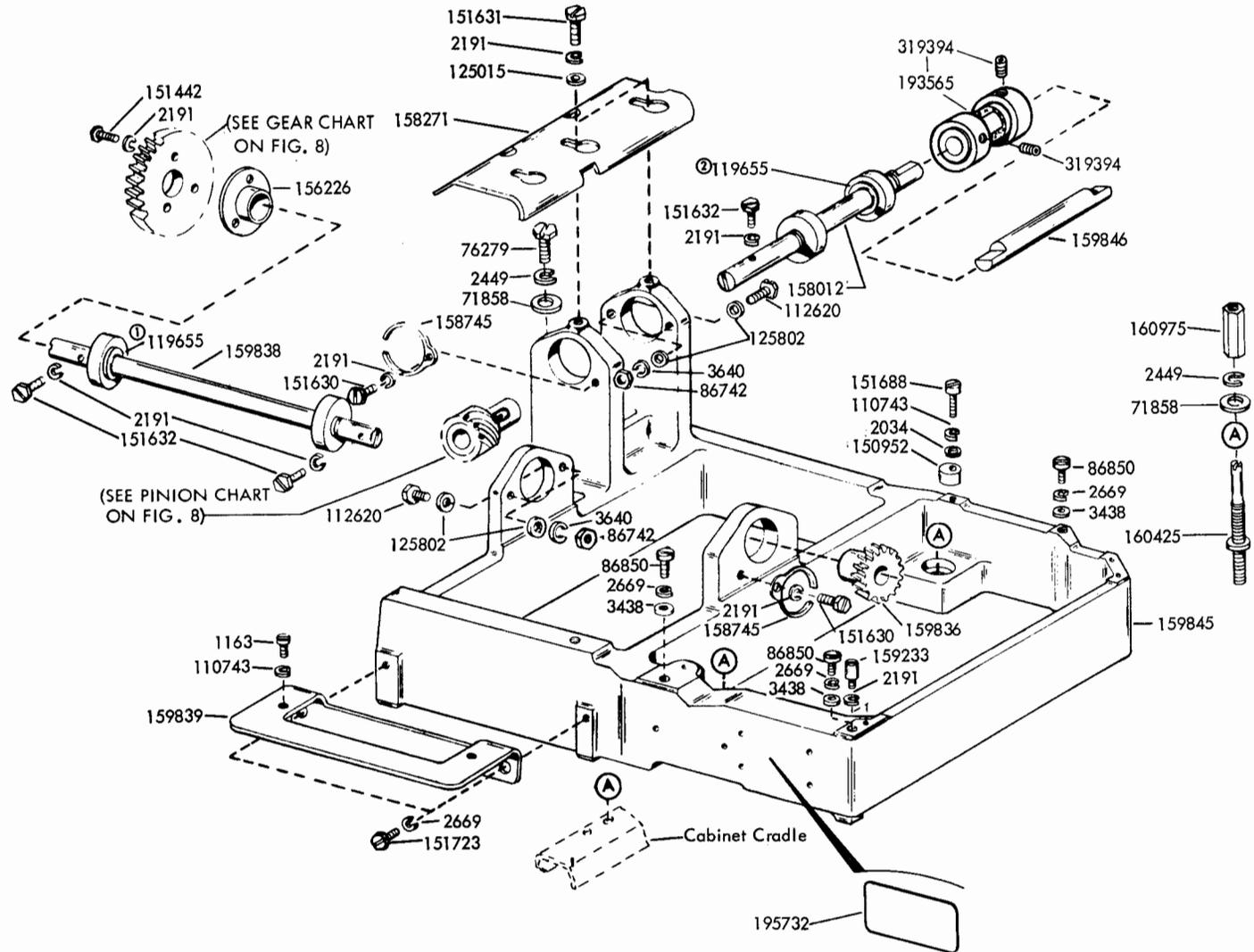
Used with LX D Type Transmitter Distributor Unit

FIGURE 2. TRANSMITTER DISTRIBUTOR BASE



- ② Part of 158012
- ① Part of 159838
- Used with LCXD Type (Pivoted and Fixed Heads)
- Transmitter Distributor Unit

FIGURE 3. TRANSMITTER DISTRIBUTOR BASE

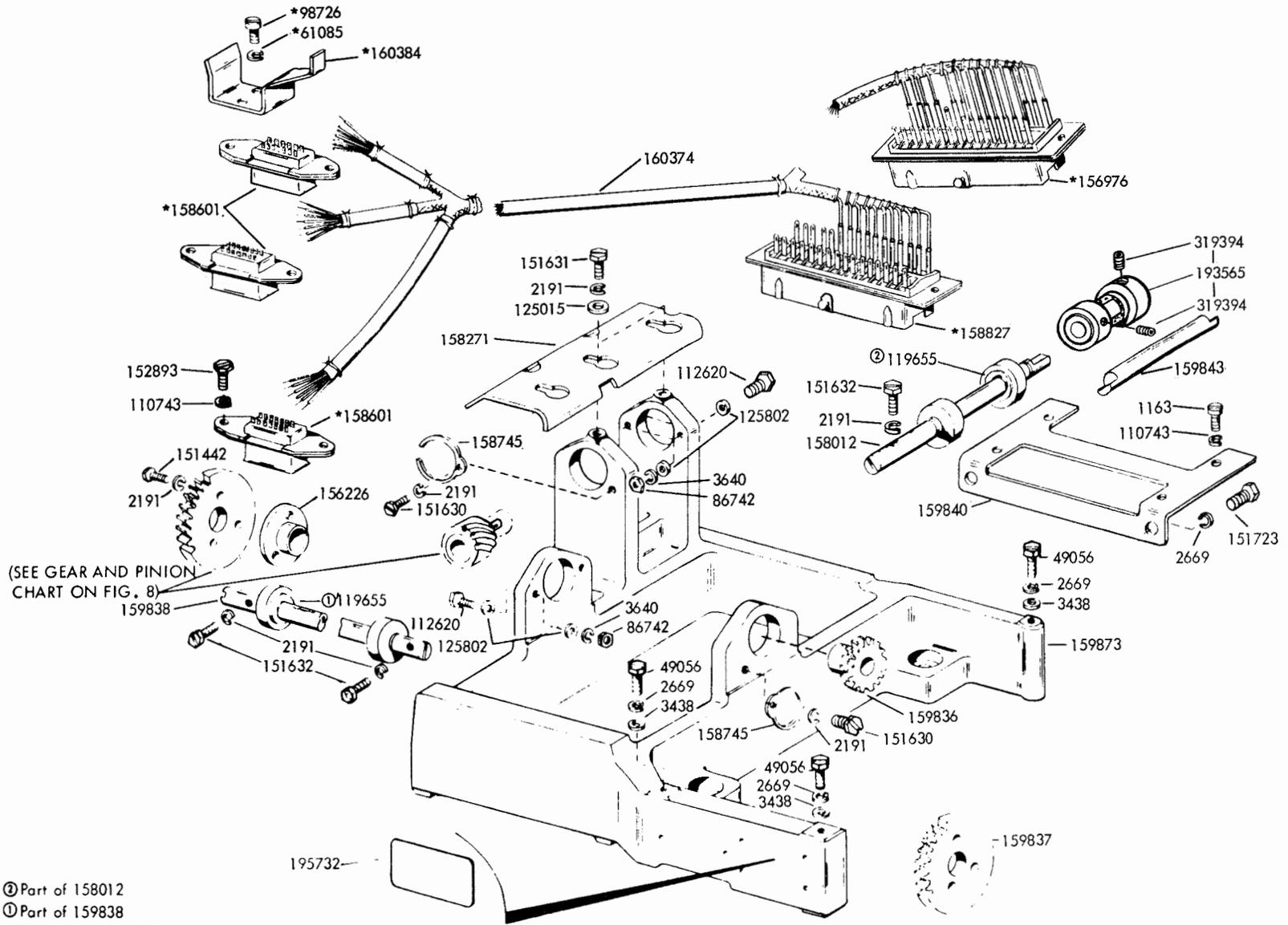


② Part of 158012

① Part of 159838

Used with LAXD Type (Pivoted Head, Multi-Contact)
Transmitter Distributor Unit

FIGURE 4. TRANSMITTER DISTRIBUTOR BASE



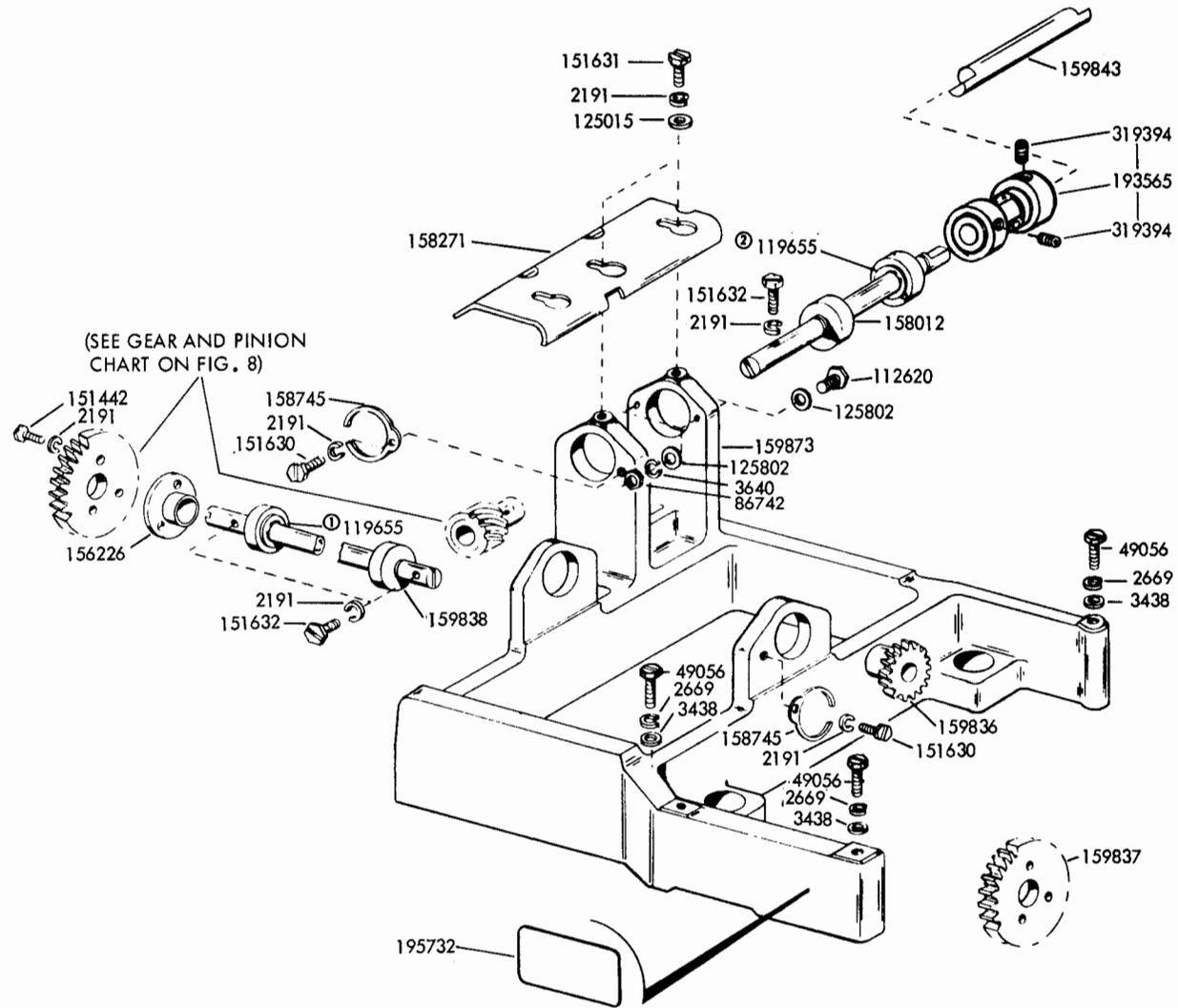
ⓐ Part of 158012

ⓑ Part of 159838

*Part of 160374 Cable Asm

Used with LBXD Type (Fixed Head, Multi-Contact)
Transmitter Distributor Unit

FIGURE 5. TRANSMITTER DISTRIBUTOR BASE

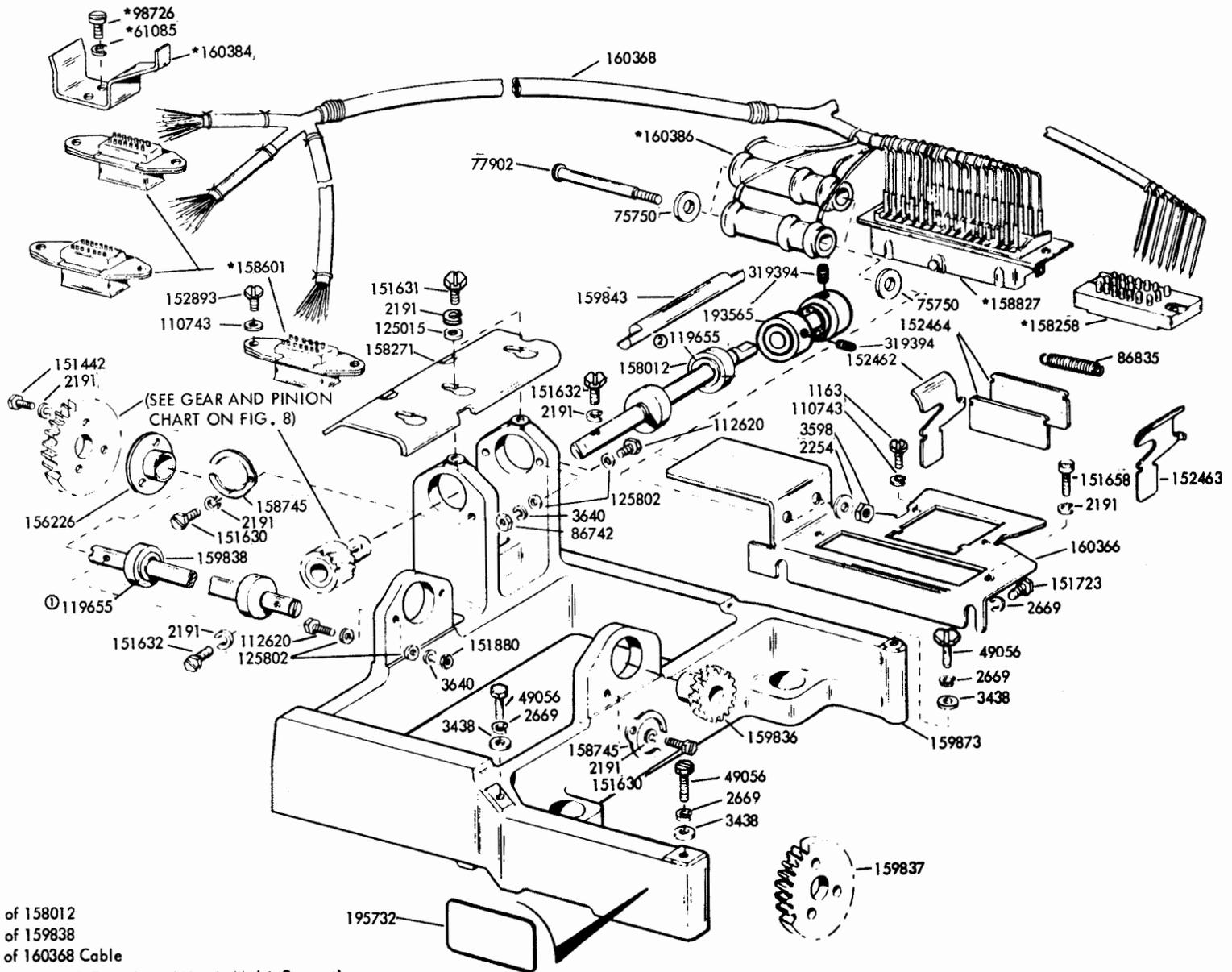


② Part of 158012

① Part of 159838

Used with LBXD Type (Fixed Head, Multi-Contact)
Transmitter Distributor Unit

FIGURE 6. TRANSMITTER DISTRIBUTOR BASE



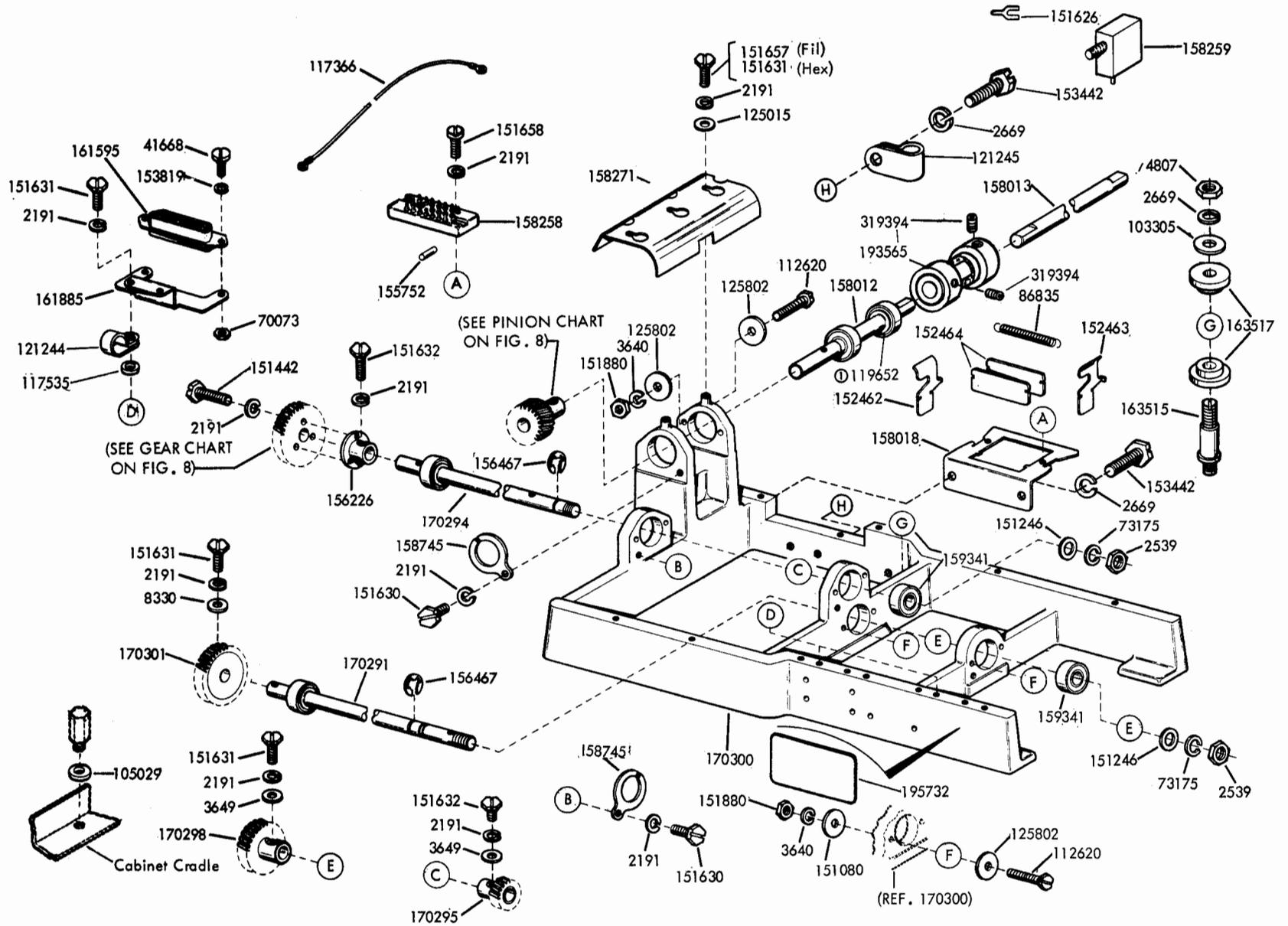
⊙ Part of 158012

⊙ Part of 159838

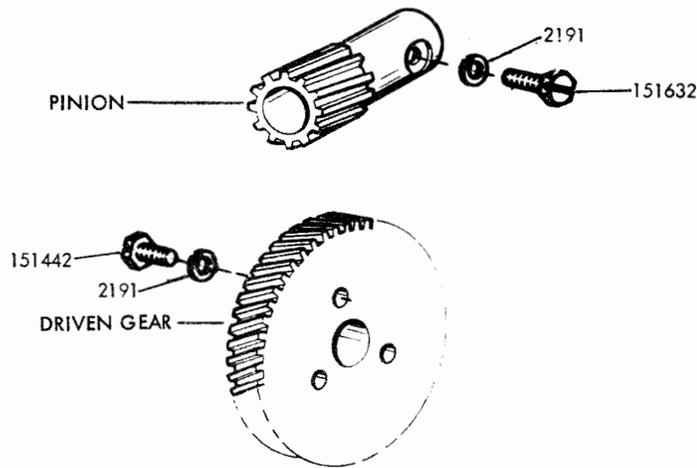
*Part of 160368 Cable

Used with LBXD Type (Fixed Head, Multi-Contact)
Transmitter Distributor Unit

FIGURE 7. TRANSMITTER DISTRIBUTOR BASE



Used with Dual LX Type (Fixed Head, Multiple Wire Output)
 or LX D Type (Fixed Head, Single Contact)
 Transmitter Distributor Unit



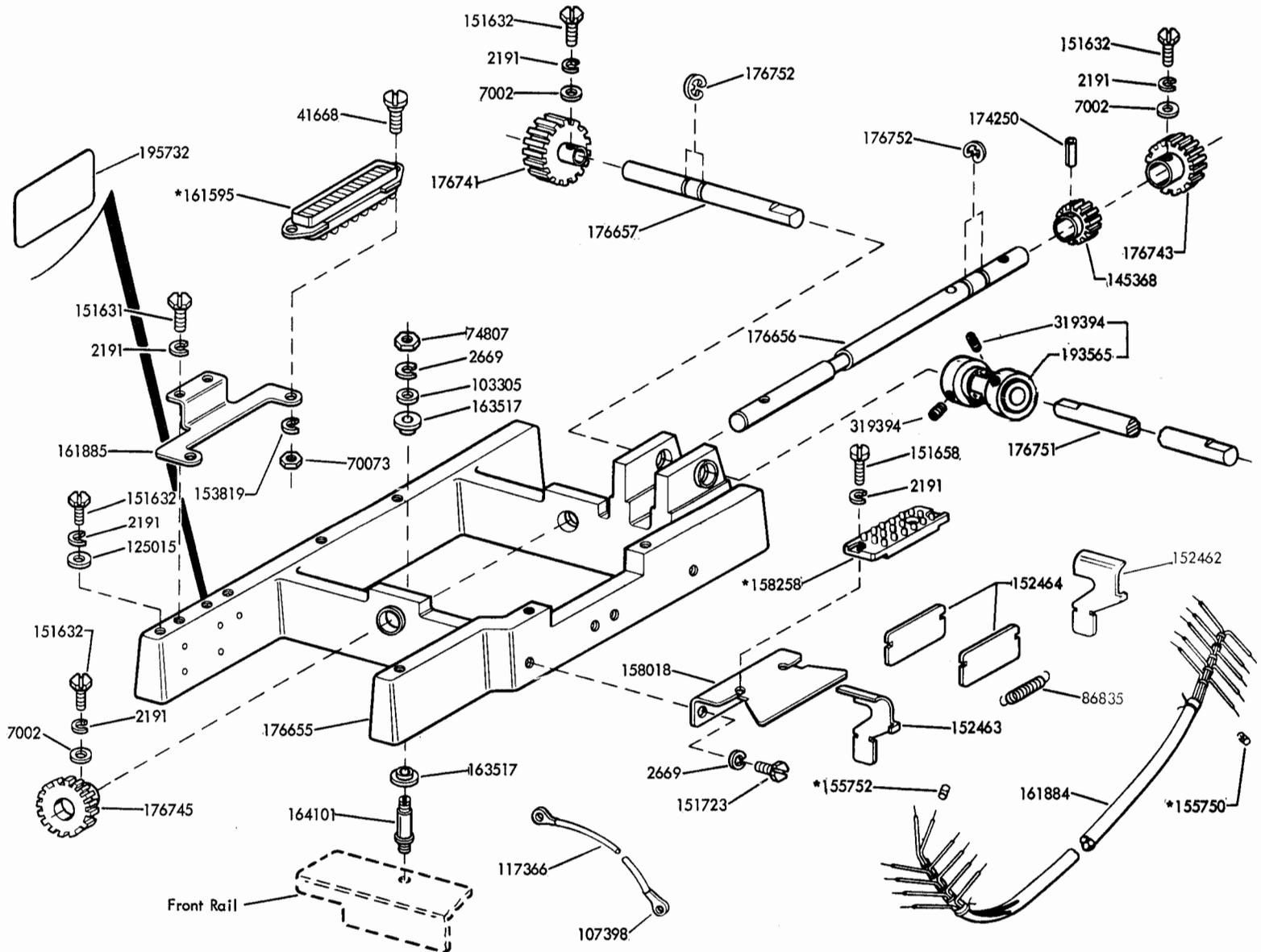
SINGLE TRANSMITTER-DISTRIBUTOR BASE GEAR SETS					
GEAR SET	DRIVEN GEAR	PINION	WPM	UNIT CODE	BAUD
159882	155997 (60T)	155996 (13T)	65	7.00	45.5
173776	173819 (60T)	173818 (13T)	65	7.00	45.5
161357	161332 (42T)	161333 (10T)	71	7.00	50
163499	163498 (63T)	163497 (15T)	71	7.00	50
198056	198058 (70T)	198057 (19T)	81	7.00	56.9
159883	155999 (34T)	155998 (12T)	106	7.00	74.2
163454	163453 (56T)	163452 (20T)	107	7.00	75
158029	158006 (44T)	158005 (9T)	60	7.42	45.5
161356	161330 (49T)	161331 (11T)	67	7.42	50
158028	158004 (47T)	158003 (12T)	75	7.42	56.8
158027	158001 (33T)	158002 (11T)	100	7.42-11.0	74.2-110
178775	178777 (56T)	178776 (17T)	61	7.50	45.5
178772	178774 (60T)	178773 (20T)	66	7.50	50
178769	178771 (46T)	178770 (23T)	100	7.50	75
*305577	305570 (55T)	305569 (22T)	100	7.42	74.2
*305578	305572 (52T)	305571 (14T)	67	7.42	50
*305579	305574 (53T)	305573 (13T)	60	7.42	45.5

DUAL TRANSMITTER-DISTRIBUTOR BASE GEAR SETS					
GEAR SET	DRIVEN GEAR	PINION	WPM	UNIT CODE	BAUD
	199091 (56T)	199090 (20T)	107	7.00	75
	170190 (51T)	170189 (15T)	88	8.50	75
195146	195145 (49T)	195144 (11T)	67	7.42	50
	170297 (33T)	170293 (11T)	100	7.42-11.0	74.2-110

*Motor speed 3000 rpm (50 cycle operation), all others 3600 rpm (60 cycle operation).

FIGURE 8. GEAR SETS

FIGURE 9. TRANSMITTER DISTRIBUTOR BASE WITH ANSWER-BACK FEATURE



*Part of 161884 Cable Assembly
 Note:
 This base is used with a Fixed Head, Single Contact
 Type 28 Transmitter Distributor Unit.

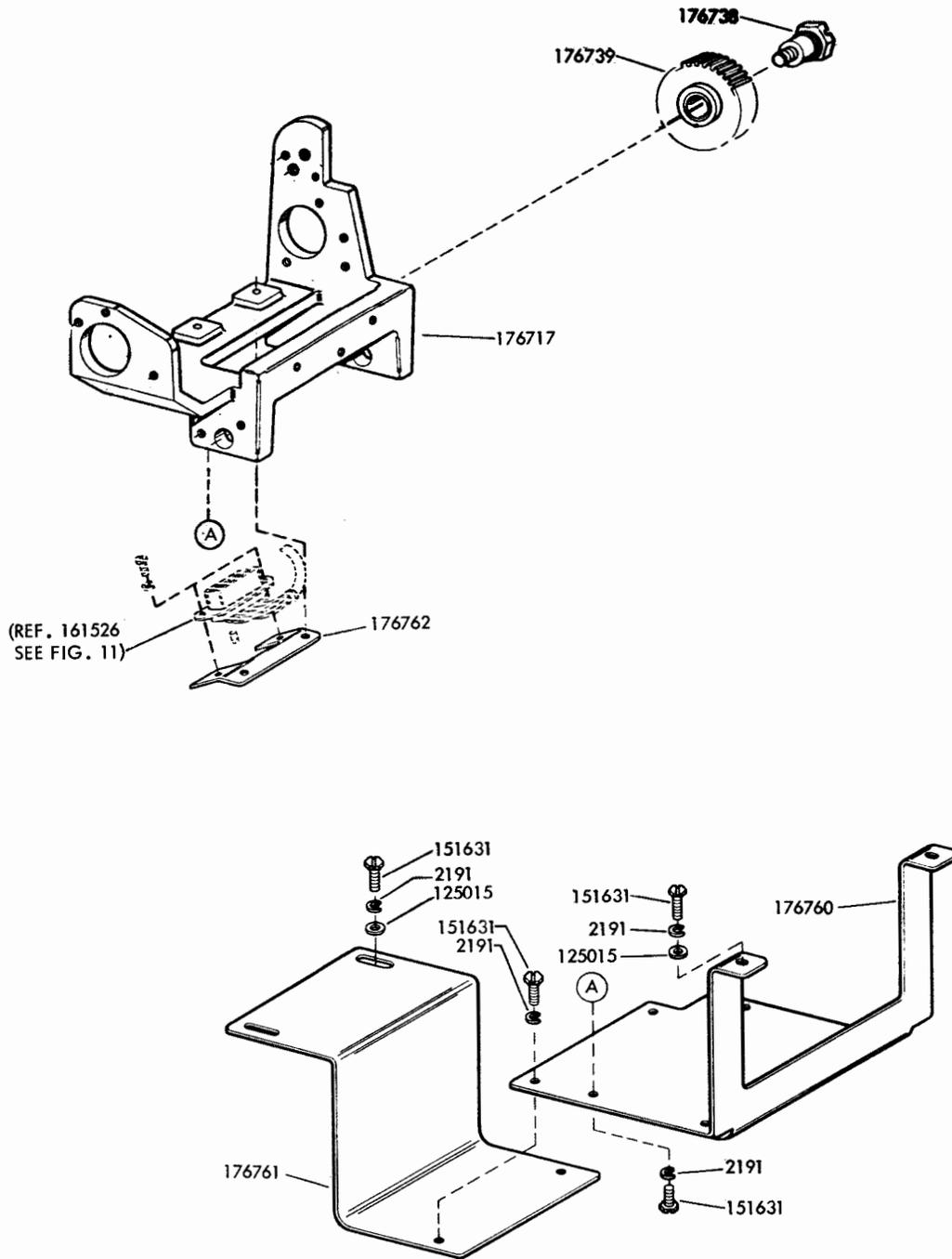
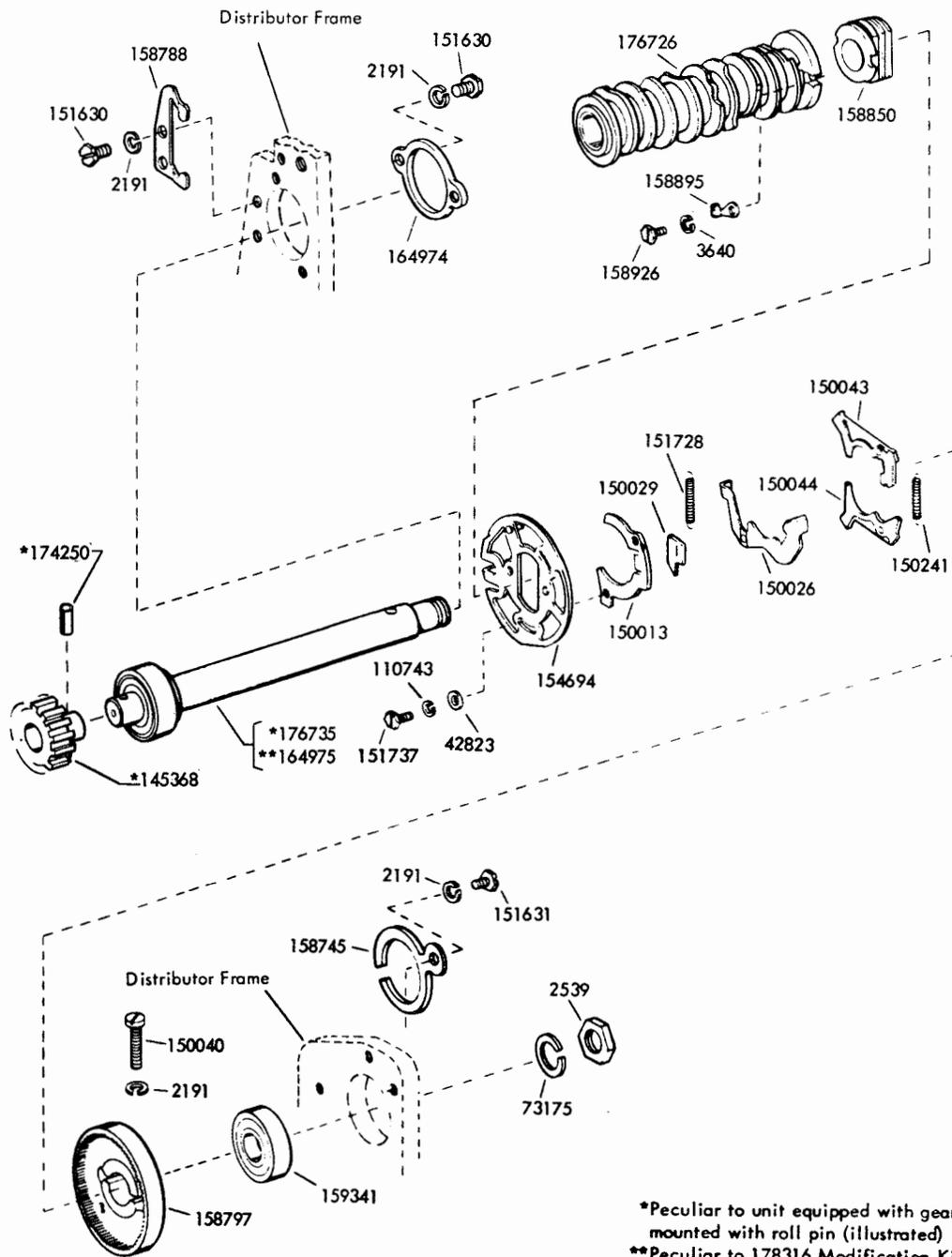


FIGURE 10. TRANSMITTER DISTRIBUTOR BASE WITH ANSWER-BACK FEATURE (Continued)



*Peculiar to unit equipped with gear mounted with roll pin (illustrated)
 **Peculiar to 178316 Modification Kit or unit equipped with gear mounted to hub (See Fig. 15).

FIGURE 12. 178316 MODIFICATION KIT TO PROVIDE ANSWER BACK FEATURE FOR THE TRANSMITTER DISTRIBUTOR BASE (INCLUDES FIGURES 11 THROUGH 15)

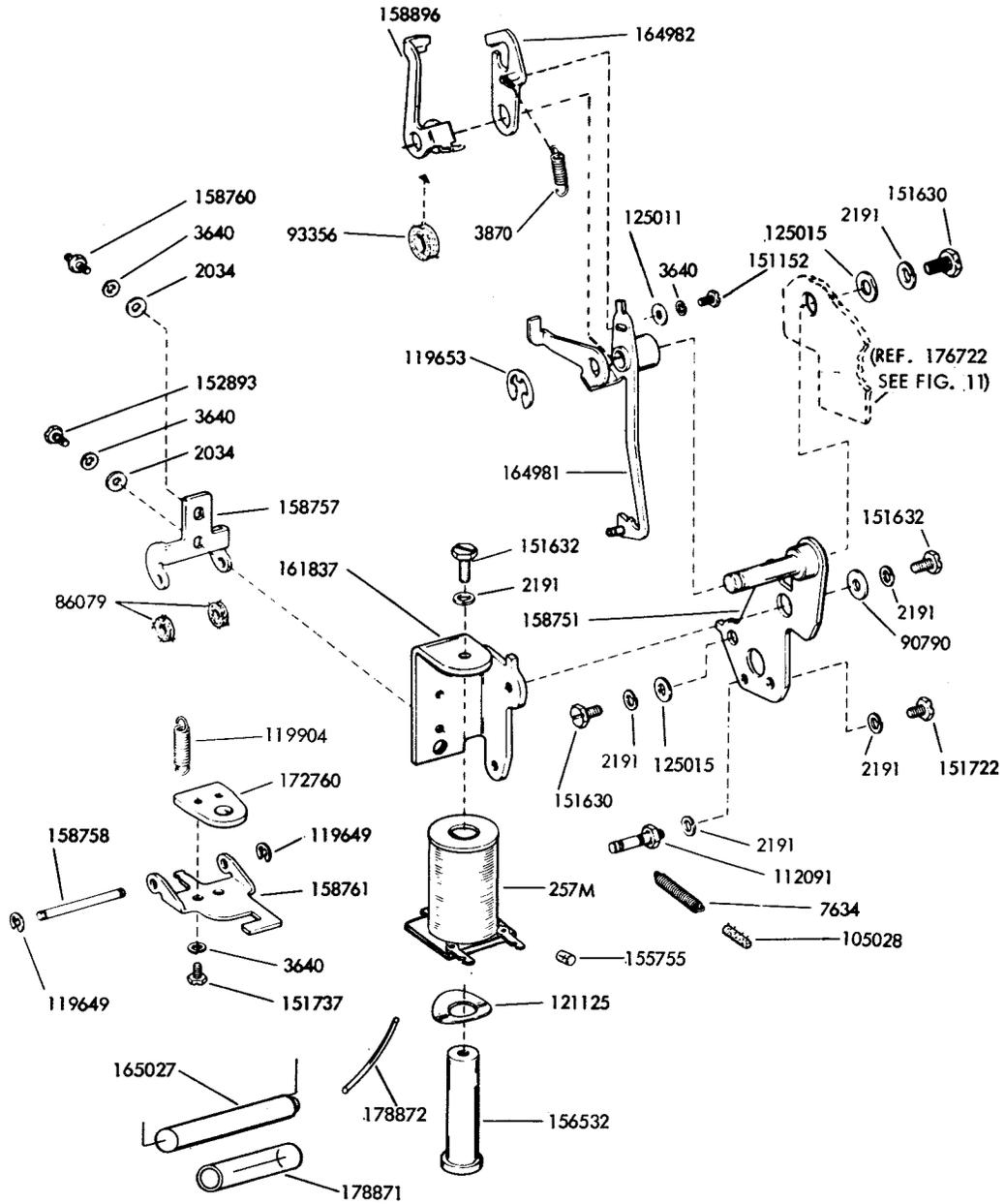


FIGURE 13. 178316 MODIFICATION KIT TO PROVIDE ANSWER BACK FEATURE FOR THE TRANSMITTER DISTRIBUTOR BASE (INCLUDES FIGURES 11 THROUGH 15)

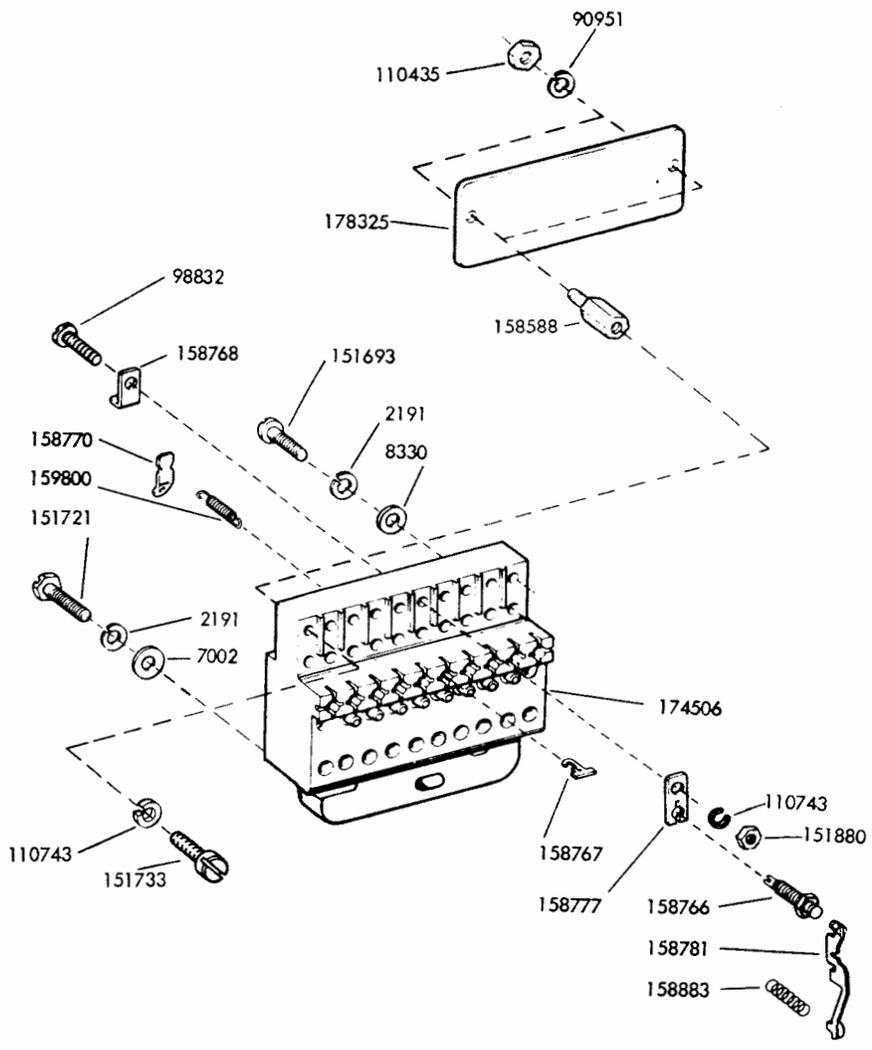
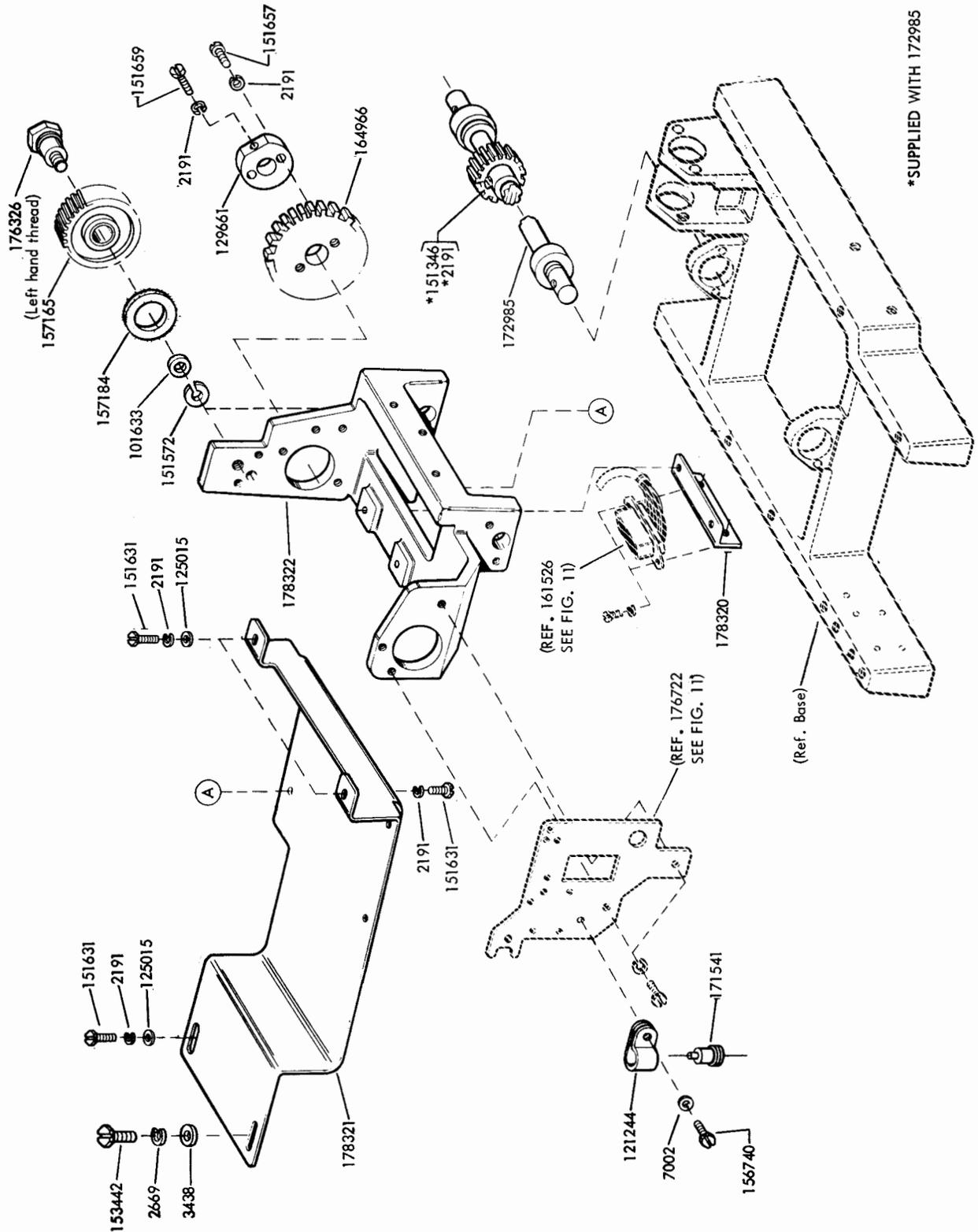


FIGURE 14. 178316 MODIFICATION KIT TO PROVIDE ANSWER BACK FEATURE FOR THE TRANSMITTER DISTRIBUTOR BASE (INCLUDES FIGURES 11 THROUGH 15)



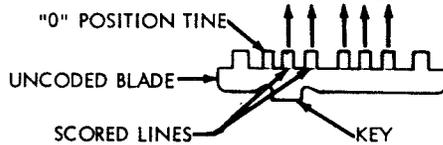
*SUPPLIED WITH 172985

FIGURE 15. 178316 MODIFICATION KIT TO PROVIDE ANSWER BACK FEATURE FOR THE TRANSMITTER DISTRIBUTOR BASE (INCLUDES FIGURES 11 THROUGH 14)

CHARACTER	CODE				
	1	2	3	4	5
A		X	X	X	X
B		X	X		
C	X				X
D		X	X		X
E		X	X	X	X
F		X			X
G	X		X		
H	X	X		X	
I	X			X	X
J			X		X
K					X
L	X		X	X	
M	X	X			
N	X	X			X
O	X	X	X		
P	X			X	
Q				X	
R	X		X		X
S		X		X	X
T	X	X	X	X	
U				X	X
V	X				
W			X	X	
X		X			
Y		X		X	
Z		X	X	X	
CARRIAGE RETURN	X	X	X		X
LINE FEED	X		X	X	X
LETTERS SHIFT					
FIGURES SHIFT			X		
SPACE	X	X		X	X
BLANK	X	X	X	X	X

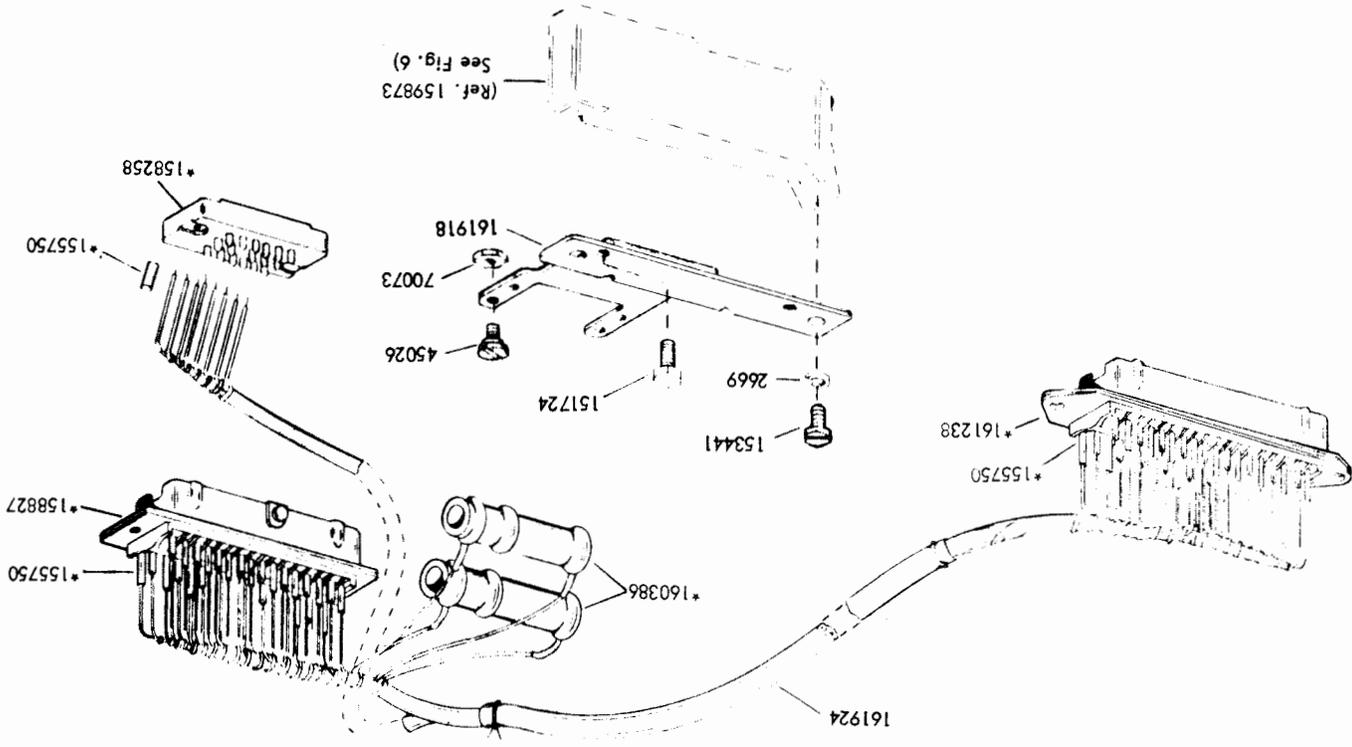
— LEAVE TINE
 — REMOVE TINE

NOTE:
 Remove the "0" position tine
 on all code and stop blades.



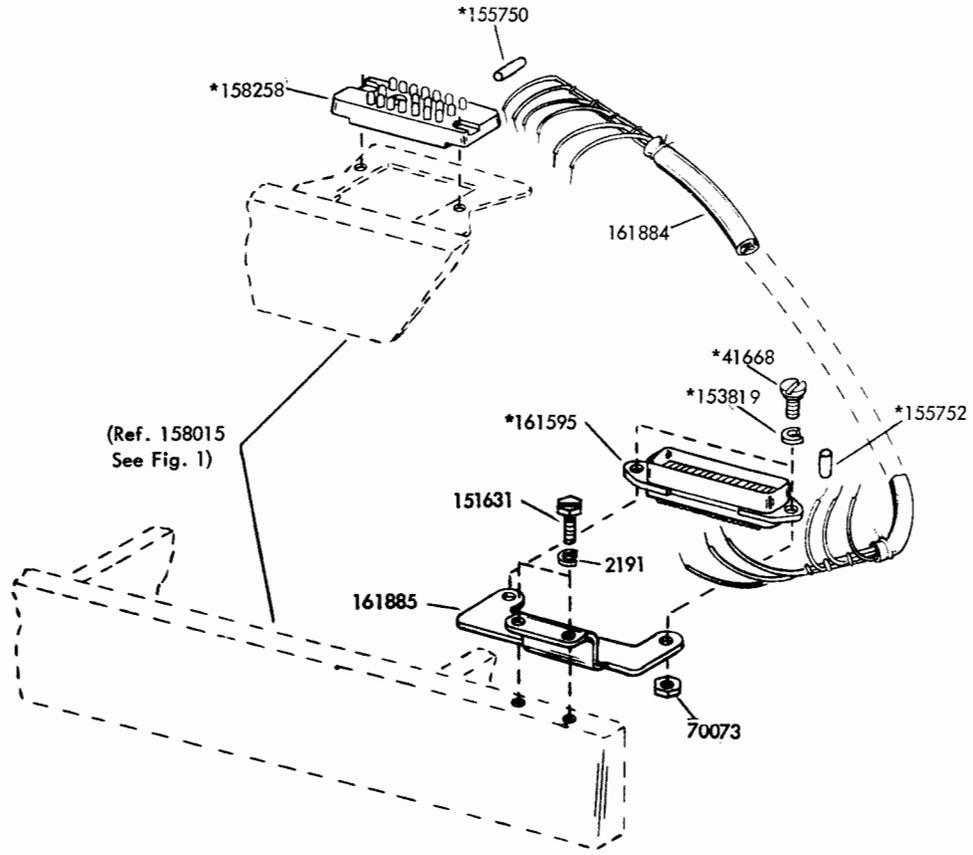
Coding Instructions for the Stop and Code Blades used in
 the Answer Back Feature on an LCXB Transmitter Distributor Base.

FIGURE 16. UNCODED STOP AND CODE BLADES



Specification 59275
*Part of 161924 Cable

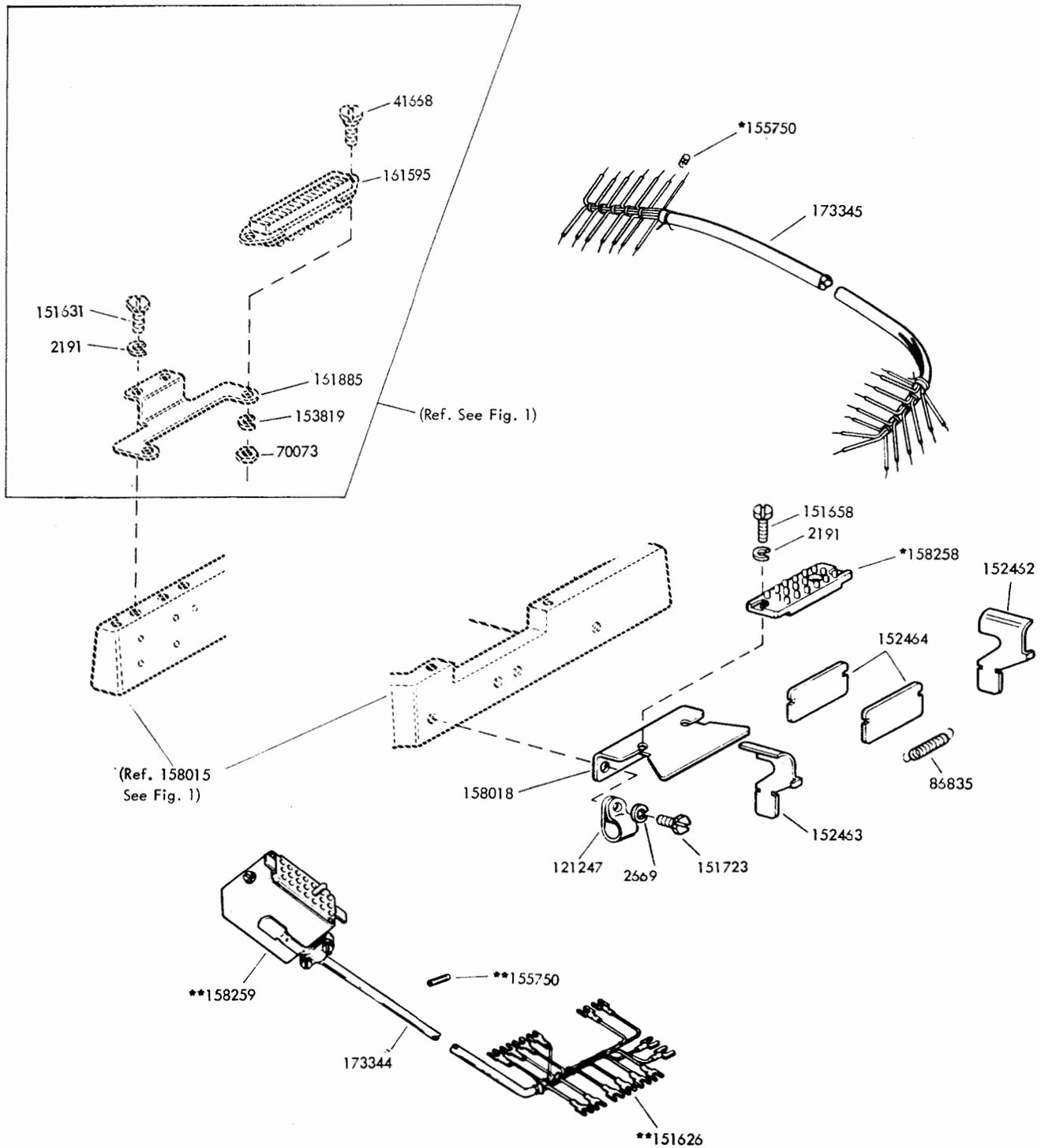
FIGURE 18. 161921 MODIFICATION KIT TO CONVERT AN LCXB7 BASE TO ACCEPT AN LBXD7 TRANSMITTER DISTRIBUTOR



Specification 59275

*Part of 161884 Cable

FIGURE 19. 161833 MODIFICATION KIT TO CONVERT AN LCXB1 TO AN LCXB8 TRANSMITTER DISTRIBUTOR BASE



Specification 501745

**Part of 173344 Cable
 *Part of 173345 Cable

FIGURE 20. 173343 MODIFICATION KIT FOR MULTIPLE WIRE OUTPUT FACILITIES ON LCX88 BASE

NUMERICAL INDEX

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
257M	Coil, Magnet 14	112620	Screw (4-40 x 1/2 Hex) 2 to 8, 18	153441	Screw (10-32 x 7/16 Hex) 19
1163	Screw (4-40 x 3/16 Fil) 3, 4, 5, 7, 18	112622	Screw, Shoulder (4-40) 12	153442	Screw (10-32 x 1/2 Hex) 8, 16
1164	Screw (2-56 x 3/16 Fil) 12	117366	Jumper (8-1/2" Green) 2, 8, 10, 18	153819	Washer, Lock 2, 8, 10, 20, 21
2034	Washer, Flat 3, 4, 14	117535	Washer, Flat 2, 8	153841	Screw (6-40 x 9/16 Hex) 12
2191	Washer, Lock 2 to 16, 18, 20, 21	119648	Ring, Retaining 12	154694	Disk, Clutch Cam 13
2254	Washer, Flat 7, 18	119649	Ring, Retaining 14	155750	Sleeve, Insulating (3/32 ID x 1/2" Lg) 2, 10, 12, 19, 20, 21
2449	Washer, Lock 3, 4	119652	Ring, Retaining 2, 8	155752	Sleeve, Insulating (5/64 ID x 1/2" Lg) 2, 8, 10, 12, 20
2539	Nut (3/8-32 Hex) 8, 13	119653	Ring, Retaining 14	155753	Sleeve, Insulating (1/8 ID x 1/2" Lg) 12
2669	Washer, Lock 2 to 8, 10, 16, 18, 19, 21	119655	Ring, Retaining 2 to 7, 18	155754	Sleeve, Insulating (1/16 ID x 1/2" Lg) 12
3438	Washer, Flat 3 to 7, 16, 18	119904	Spring 14	155755	Sleeve, Insulating (11/64 ID x 5/8" Lg) 14
3598	Nut (6-40 Hex) 7, 12, 18	121125	Washer, Spring 14	155996	Pinion (13 T) 9
3599	Nut (4-40 Hex) 12	121244	Clamp, Cable (1/4" ID) 2, 8, 16	155997	Gear (60 T) 9
3606	Nut (6-40 Hex) 12	121245	Clamp, Cable (5/16" ID) 2, 8	155998	Pinion (12 T) 9
3640	Washer, Lock 2 to 8, 12, 13, 14, 18	121247	Clamp, Cable (7/16" ID) 21	155999	Gear (34 T) 9
3649	Washer, Flat 8	125011	Washer, Flat 12, 14	156226	Hub 2 to 8, 18
3870	Spring 14	125015	Washer, Flat 2 to 8, 10, 11, 14, 16, 18	156450	Screw (2-56 x 1/2 Fil) 12
7002	Washer, Flat 10, 12, 15, 16	125802	Washer, Flat 2 to 8, 12, 18	156467	Ring, Retaining 8
7634	Spring 14	129661	Hub 16	156532	Core 14
8330	Washer, Flat 8, 15	130092	Screw, Shoulder (4-40) 12	156632	Screw (6-40 x 13/32 Hex) 12
33828	Spring 12	138034	Plate, Clamp 12	156740	Screw (6-40 x 7/32 Hex) 16
41668	Screw, Shoulder (3-48) 2, 8, 10, 20, 21	145368	Gear (27 T) 10, 13	156976	Connector, Plug (32 Pt) 5
42661	Spring 12	150013	Disk, Adjusting 13	157165	Gear (35 T) 16
42823	Washer, Flat 13	150026	Lever, Shoe Release 13	157184	Washer, Felt 16
45026	Screw, Shoulder (3-48) 18, 19	150029	Wick, Felt 13	158001	Gear (33 T) 9
49056	Screw (10-32 x 7/8 Hex) 5, 6, 7	150040	Screw (6-40 x 5/8 Fil) 13	158002	Pinion (11 T) 9
61085	Washer, Lock 5, 7, 12	150043	Shoe, Secondary Clutch 13	158003	Pinion (12 T) 9
70073	Nut (3-48 Hex) 2, 8, 10, 18, 19, 20, 21	150044	Shoe, Primary Clutch 13	158004	Gear (47 T) 9
71858	Washer, Flat 3, 4	150241	Spring 13	158005	Pinion (9 T) 9
73175	Washer, Lock 8, 13	150952	Eccentric 3, 4	158006	Gear (44 T) 9
73427	Washer, Flat 12	151080	Washer, Flat 8	158012	Shaft w/Bearing 2 to 8, 18
74702	Spring 12	151152	Screw (4-40 x 3/16 Hex) 12, 14	158013	Shaft, Coupling 2, 8
74807	Nut (10-32 Hex) 2, 8, 10	151246	Washer, Flat 8	158015	Base 2
75750	Washer, Insulating 7, 18	151346	Screw (6-40 x 3/8 Fil) 16	158017	Shaft w/Bearing 2
76279	Screw (1/4-32 x 5/8 Hex) 3, 4	151442	Screw (6-40 x 1/2 Hex) 2, 3, 4, 5, 6, 7, 8, 9, 18	158018	Bracket 2, 8, 10, 21
77902	Screw (6-40 x 2-3/8 Rd) 7, 18	151572	Washer, Lock 16	158027	Gear Set (100 WPM) 9
78533	Spring 12	151626	Terminal 8, 12, 21	158028	Gear Set (75 WPM) 9
80706	Screw, Set (6-40) 12	151630	Screw (6-40 x 1/4 Hex) 2 to 8, 13, 14, 18	158029	Gear Set (60 WPM) 9
84575	Spring 12	151631	Screw (6-40 x 5/16 Hex) 2 to 8, 10 to 13, 16, 18, 20, 21	158258	Connector, Plug (20 Pt) 2, 7, 8, 10, 18, 19, 20, 21
86079	Washer, Felt 14	151632	Screw (6-40 x 3/8 Hex) 2 to 10, 14, 18	158259	Connector, Receptacle (20 Pt) 8, 21
86742	Nut (4-40 Hex) 3 to 7, 18	151657	Screw (6-40 x 1/4 Fil) 2, 8, 16	158271	Guard, Gear 2 to 8, 18
86835	Spring 2, 7, 8, 10, 18, 21	151658	Screw (6-40 x 5/16 Fil) 2, 7, 8, 10, 18, 21	158588	Post 15
86850	Screw (10-32 x 1-1/4 Fil) 3, 4	151659	Screw (6-40 x 1/2 Fil) 16	158601	Connector, Plug (14 Pt) 5, 7
90790	Washer, Flat 14	151687	Screw (4-40 x 7/16 Fil) 3	158745	Clamp, Bearing 2 to 8, 13, 18
90951	Washer, Lock 15	151688	Screw (4-40 x 5/8 Fil) 4	158751	Plate, Clutch Trip 14
92260	Washer, Lock 12	151693	Screw (6-40 x 9/16 Fil) 15	158757	Hinge, Mounting 14
93117	Washer, Lock 12	151721	Screw (6-40 x 3/4 Hex) 15	158758	Shaft 14
93118	Washer, Lock 12	151722	Screw (6-40 x 3/16 Hex) 14	158760	Post, Spring 14
93356	Washer, Felt 14	151723	Screw (10-32 x 3/8 Hex) 2, 3, 4, 5, 7, 10, 18, 21	158761	Bail, Armature 14
94540	Screw, Set (10-24) 2	151724	Screw (10-32 x 5/8 Hex) 18, 19	158766	Screw, Contact (6-40) 15
98726	Screw (3-48 x 1/4 Fil) 5, 7, 12	151728	Spring 13	158767	Guide, Lever 15
98832	Screw (4-40 x 11/16 Fil) 15	151733	Screw (4-40 x 9/16 Fil) 15	158768	Terminal 15
99978	Connector, Plug (4 Pt) 12	151737	Screw (4-40 x 11/64 Hex) 12, 13, 14	158770	Terminal, Spring Holder 15
101633	Washer, Flat 16	151880	Nut (4-40 Hex) 2, 7, 8, 12, 15	158777	Holder, Screw 15
103305	Washer, Flat 2, 8, 10	152462	Latch, Right 2, 7, 8, 10, 18, 21	158778	Post, Spring 12, 18
105028	Wick, Felt 14	152463	Latch, Left 2, 7, 8, 10, 18, 21	158779	Lever, Cam Follower 12
105029	Washer, Flat 8	152464	Insulator (.062") 2, 7, 8, 10, 18, 21	158781	Rocker, Contact 15
107398	Terminal 10, 18	152893	Screw (4-40 x 1/4 Hex) 5, 7, 12, 14	158788	Clamp, Bearing 13
110435	Nut (4-40 Hex) 15			158797	Drum, Clutch 13
110743	Washer, Lock 3, 4, 5, 7, 12, 13, 15, 18			158827	Connector, Receptacle (32 Pt) 5, 7, 18, 19
112091	Post, Spring 14				

NUMERICAL INDEX (Continued)

Part Number	Description and Page Number	Part Number	Description and Page Number	Part Number	Description and Page Number
158850	Bearing, Sleeve 13	164101	Stud, Shoulder 2, 10	176755	Lever, Cam Follower (#5) 12
158883	Spring, Compression 15	164161	Drum, Message 12	176756	Lever, Cam Follower (#2) 12
158895	Clip 13	164162	Ring, "O" 12	176757	Lever, Cam Follower (#4) 12
158896	Lever, Latch 14	164164	Blade, Code 12	176758	Lever, Cam Follower (#3) 12
158926	Screw (4-40 x 7/32 Hex) 13	164966	Gear (42 T) 16	176759	Lever 12
159233	Stud 3, 4	164974	Plate 13	176760	Bracket, Mounting 11
159341	Bearing, Ball 8, 13	164975	Shaft w/Bearing 13	176761	Bracket 11
159800	Spring 15	164976	Plate 12	176762	Bracket, Connector 11
159836	Gear (24 T) 3 to 7	164977	Shaft, Lever 12	176768	Lever, Drive 12
159837	Gear (48 T) 5, 6, 7, 18	164981	Lever, Trip 14	176769	Screw, Pilot (6-40) 12
159838	Shaft 3 to 7, 18	164982	Lever, Trip 14	176813	Guide 12
159839	Bracket, Plug Mounting 4	165027	Network, Spark Suppression 14	176814	Screw, Eccentric Shoulder (4-40) 12
159840	Bracket, Mounting 3, 5	165691	Cable Assembly 12	176815	Pawl, Stepping 12
159843	Shaft, Coupling 5, 6, 7, 18	170189	Pinion (15 T) 9	176816	Plate 12
159844	Base 3	170190	Gear (51 T) 9	176817	Plate, Drive 12
159845	Base 4	170291	Shaft, Idler 8	178316	Modification Kit 12 to 16
159846	Shaft, Coupler 3, 4	170293	Pinion (11 T) 9	178320	Bracket, Connector 16
159873	Base 5, 6, 7	170294	Shaft w/Bearings 8	178321	Plate, Mounting 16
159882	Gear Set (65 WPM) 9	170295	Gear (25 T) 8	178322	Frame, Distributor 16
159883	Gear Set (106 WPM) 9	170297	Gear (33 T) 9	178323	Cable Assembly 12
160366	Bracket 7, 18	170298	Gear (40 T) 8	178325	Cover, Insulator 15
160368	Cable Assembly 7	170300	Base 8	178332	Bracket 12
160374	Cable Assembly 5	170301	Gear (50 T) 8	178768	Cable Assembly 18
160384	Bracket 5, 7	171541	Diode 16	178769	Gear Set (100 WPM) 9
160386	Resistor (1000 Ohm) 7, 18, 19	172760	Armature 14	178770	Pinion (23 T) 9
160425	Stud, Adjusting (1/4-32) 3, 4	172985	Shaft w/Bearings & Gear 2, 16	178771	Gear (46 T) 9
160626	Insulator (.031") 12	173343	Modification Kit 21	178772	Gear Set (66 WPM) 9
160627	Bushing, Insulating 12	173344	Cable Assembly 21	178773	Pinion (20 T) 9
160628	Spring, Contact 12	173345	Cable Assembly 21	178774	Gear (60 T) 9
160630	Spring, Contact 12	173776	Gear Set (65 WPM) 9	178775	Gear Set (61 WPM) 9
160631	Spring, Contact 12	173818	Pinion (13 T) 9	178776	Pinion (17 T) 9
160975	Nut (1/4-32 Hex) 3, 4	173819	Gear (60 T) 9	178777	Gear (56 T) 9
161238	Connector, Receptacle (36 Pt) 19	174250	Pin, Roll 10, 13	178778	Pinion (20T) 18
161330	Gear (49 T) 9	174506	Block, Contact 15	178779	Gear (60 T) 18
161331	Pinion (11 T) 9	176163	Jumper (18" Black) 12	178780	Bracket, Connector 18
161332	Gear (42 T) 9	176326	Screw, Shoulder (10-32) 16	178871	Sleeve, Insulating (7/16 ID x 1-1/8" Lg) 14
161333	Pinion (10 T) 9	176655	Base w/Bearings 10	178872	Sleeve, Insulating (1/16 ID x 1-1/4" Lg) 14
161356	Gear Set (67 WPM) 9	176656	Shaft 10	193565	Coupling 2 to 8, 10, 18
161357	Gear Set (71 WPM) 9	176657	Shaft 10	194356	Pinion (15 T) 2
161525	Connector, Plug (14 Pt) 12	176717	Frame, Distributor 11	195144	Pinion (11 T) 9
161526	Connector, Receptacle (14 Pt) 12	176719	Resistor (1000 Ohm) 12	195145	Gear (49 T) 9
161595	Connector, Receptacle (36 Pt) 2, 8, 10, 18, 20, 21	176720	Contact Assembly 12	195146	Gear Set (67 WPM) 9
161833	Modification Kit 20	176721	Bracket, Contact 12	195176	Guard, Contact 12
161837	Bracket 14	176722	Plate, Mounting 12	195732	Plate, Identification 2 to 8, 10, 18
161884	Cable Assembly 2, 10, 20	176723	Blade, Stop 12	198056	Gear Set (81 WPM) 9
161885	Bracket, Connector 2, 8, 10, 20, 21	176724	Cable Assembly 12	198057	Pinion (19 T) 9
161918	Bracket, Connector 19	176725	Cable Assembly 12	198058	Gear (70 T) 9
161919	Bracket, Connector 18	176726	Camsleeve 13	199090	Pinion (20 T) 9
161920	Base 18	176732	Guide 12	199091	Gear (56 T) 9
161921	Modification Kit 19	176733	Bracket 12	305569	Pinion (22 T) 9
161924	Cable Assembly 18, 19	176734	Bracket 12	305570	Gear (55 T) 9
162594	Shaft 2	176735	Shaft w/Bearing 13	305571	Pinion (14 T) 9
163003	Gear (20 T) 2	176736	Screw, Eccentric Shoulder (4-40) 12	305572	Gear (52 T) 9
163452	Pinion (20 T) 9	176737	Lever, Detent 12	305573	Pinion (13 T) 9
163453	Gear (56 T) 9	176738	Screw, Shoulder (10-32) 11	305574	Gear (53 T) 9
163454	Gear Set (107 WPM) 9	176739	Gear (45 T) 11	305577	Gear Set (100 WPM) 9
163497	Gear (15 T) 9	176741	Gear (33 T) 10	305578	Gear Set (67 WPM) 9
163498	Gear (63 T) 9	176743	Gear (33 T) 10	305579	Gear Set (60 WPM) 9
163499	Gear Set (71 WPM) 9	176745	Gear (40 T) 10	319394	Screw (10-24 Set) 2 to 8, 10, 18
163515	Stud, Shoulder 8	176751	Shaft 10		
163517	Bushing, Rubber 2, 8, 10	176752	Ring, Retaining 10		
		176754	Lever, Cam Follower (#1) 12		