PARTS CATALOG

For

SIMPLEX HOIST CONTROLLER

AND

AUXILIARY EQUIPMENT

SUPERSEDES PARTS CATALOG S-49 600101

INSTRUCTIONS FOR SELECTING AND ORDERING

1. Obtain the catalog number of each part required, by consulting the drawing on which the part is shown.
2. In the Parts List, glance down the first column until the catalog number is located.
3. The catalog number is for *a* part or *an* assembly, unless otherwise stated, and the "No. Req'd." column will assist in determining quantity to order.
4. Weight shown in last column are for each part or assembly.
5. To order one or more parts, specify the *Catalog Number* and the *Name of Part* as a check on each other.
6. Also, refer to Parts Sheet Number.
7. Wherever solenoids or electric coils are involved, be sure to specify the current characteristics; i.e.; voltage and frequency.

Manufactured by

LOGAN ACTUATOR CO.
550 Chippewa Rd.
Harvard Illinois 60033
USA
http://www.loganact.com

850002

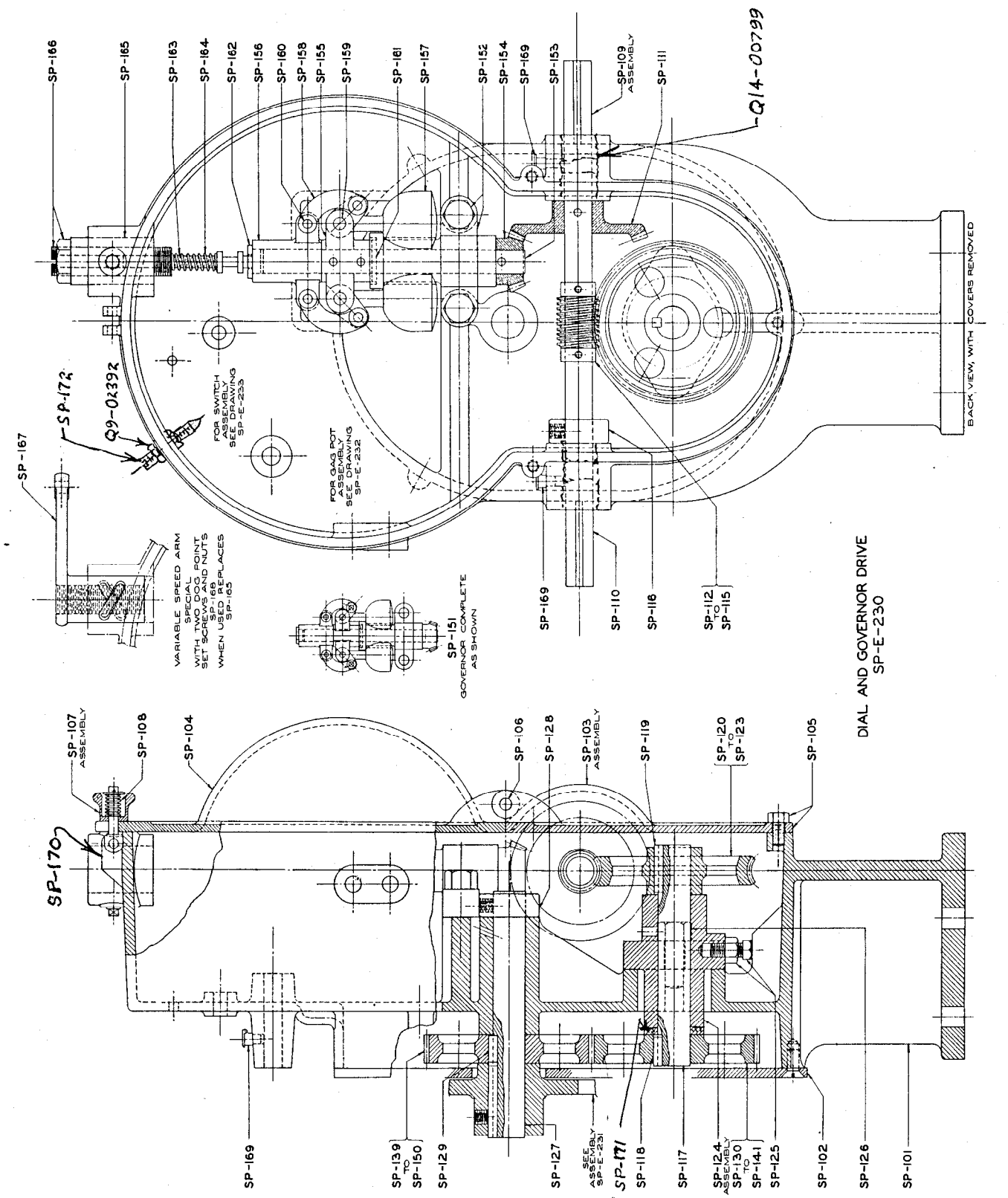


FIG. 1—*Housing with Drive Gears, Shafts and Governor*

DIAL AND GOVERNOR DRIVE

Fig. 1—Drg. SP-E-230

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
SP-101	AE-101 & Q14-00799	1	Frame & 2 Oilite Bearings	58	- 0
SP-102	BE-103 & Q5-00834	1	Front Cover with 3 F'l. Hd. Screws, Interchangeable with Indicator Dial	4	- 9
SP-103	BE-101, CE-101 DE-101 & Q1-00017	1	Back Cover Complete. Top and Lower Covers, Pin with 2 Cotter Pins and 3 Cap Screws	11	- 10
SP-104	BE-101	1	Top Cover	7	- 1
SP-105	CE-101 & Q1-00017	1	Lower Cover with 3 Cap Screws	4	- 4½
SP-106	DE-101	1	Pin with 2 Cotter Pins	0	- 3
SP-107	NE-104, OE-104 ABE-104 & KC-515	1	Spring Lock Assembly for Back Cover, Knob, Hanger, Pivot Pin, and Spring.	0	- 3
SP-108	KC-515	1	Spring	0	- ½
SP-109	ACE-104, BE-186, *E-425, Q11-02549 & Q11-00855	1	Drive Shaft, Bevel Gear with No. 3 Taper Pin & Worm with No. 2 Taper Pins, Assembled *Specify R.H. or L.H., Single or Double Thread for Worm.	3	- 5
SP-110	ACE-104	1	Drive Shaft	1	- 12
SP-111	BE-186 & Q11-02549	1	Bevel Gear 45T. 12D.P. with No. 3 Taper Pin	1	- 4
*SP-112	E-425	1 Interchangeable	Worm, Single Thread R.H.	0	- 5
*SP-113	E-426		" " " L.H. W/No. 2 Taper Pin Recommend Purchase	0	- 5
*SP-114	E-427		" Double " R.H. With SP-109 Assem.	0	- 5
*SP-115	E-428		" " " L.H.	0	- 5
SP-116	GE-105 & Q6-00317	1	Drive Shaft Collar with Set Screw	0	- 5
SP-117	FE-104	1	Worm Wheel Shaft	1	- 2
SP-118	E-381	1	Key for Spur Gear	0	- 1
SP-119	E-382	1	Key for Worm Wheel	0	- 1
*SP-120	D-2025	1 Interchangeable	Worm Wheel, Single Thread R.H.	1	- 12
*SP-121	D-2026		" " " " L.H.	1	- 12
*SP-122	D-2027		" " Double " R.H.	1	- 12
*SP-123	D-2028		" " " " L.H.	1	- 12
SP-124	LE-105, AEE-104 Q6-02548, Q9-02493	1	Worm Wheel Shaft Bearing with Adjusting Screw & Nut & Collar SP-171	2	- 12
SP-125	Q6-02545, Q9-02493	1	Adjusting Screw & Nut	0	- 1½
SP-126	Q1-00067	2	Cap Screw 1/2" - 13 x 1-1/4"	0	- 1½
SP-127	EE-104	1	Dial Shaft	1	- 3
SP-128	FE-105 & Q6-00317	1	Dial Shaft Collar with Set Screw.	0	- 4½
SP-129	E-383	1	Gear Key	0	- 1
*SP-130	GE-104	2 Interchangeable (Teeth Total 108)	Spur Gear 8 Teeth Steel Integral With Shaft	1	- 0
*SP-131	HE-104		" " 10 " " Integral With Shaft	1	- 0
*SP-132	JE-104		" " 12 " " Integral With Shaft	1	- 0
*SP-133	KE-104		" " 16 " " Integral With Shaft	1	- 4
*SP-134	LE-104		" " 20 " "	1	- 0
*SP-135	AC-504		" " 24 "	0	- 9
*SP-136	BC-504		" " 30 "	0	- 14
*SP-137	CC-504		" " 36 "	1	- 2
*SP-138	DC-504		" " 42 "	1	- 6
*SP-139	EC-504		" " 48 "	1	- 8
*SP-140	FC-504		" " 54 "	1	- 12
*SP-141	GC-504		" " 60 "	2	- 0
*SP-142	HC-504		" " 66 "	2	- 2
*SP-143	JC-504		" " 72 "	2	- 8
*SP-144	KC-504		" " 78 "	2	- 14
*SP-145	LC-504		" " 84 "	3	- 2
*SP-146	AE-105		" " 88 "	3	- 12
*SP-147	BE-105		" " 92 "	4	- 0
*SP-148	CE-105		" " 96 "	3	- 9
*SP-149	DE-105		" " 98 "	4	- 6
*SP-150	EE-105		" " 100 "	4	- 9

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DIAL AND GOVERNOR DRIVE

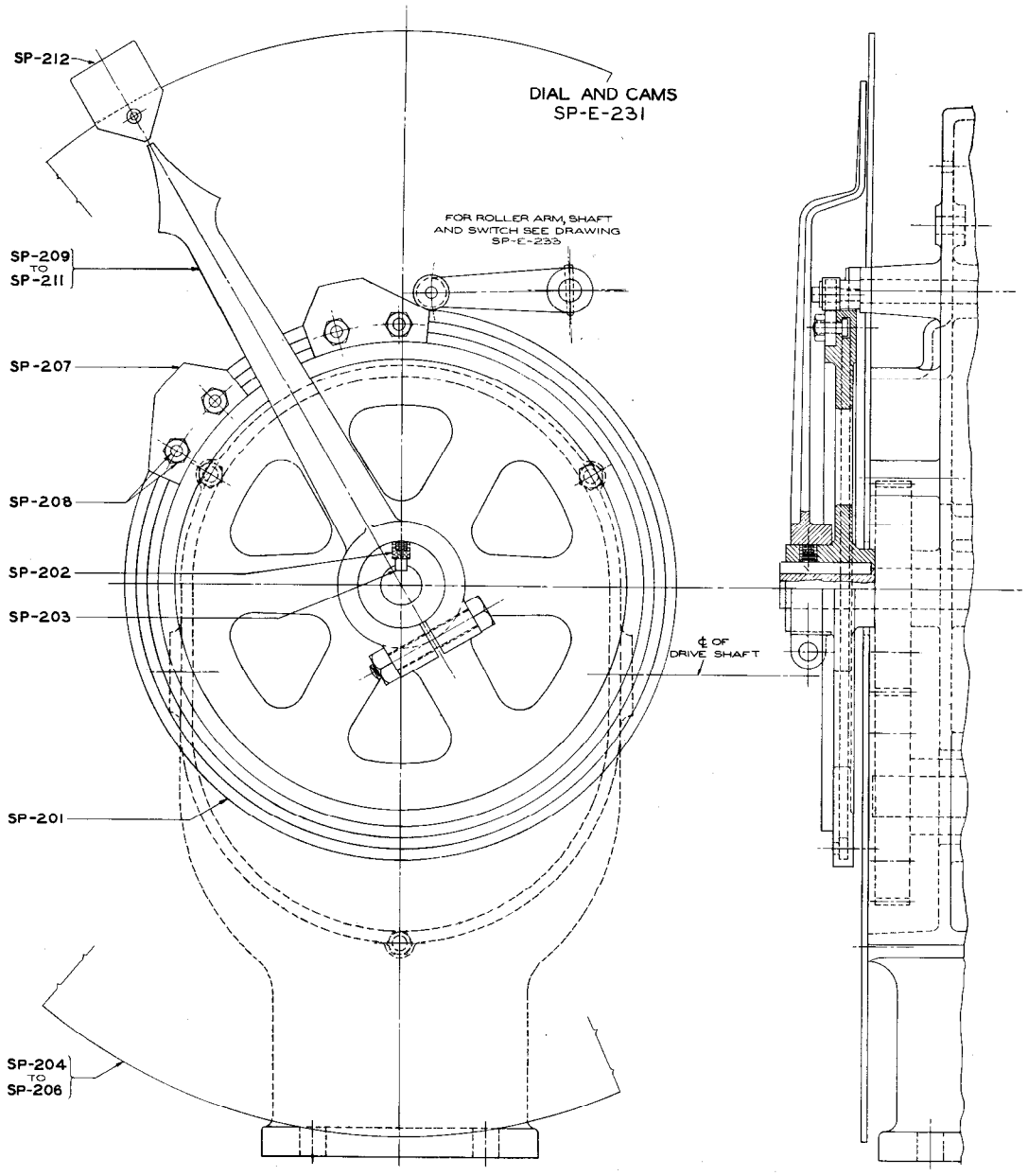
Fig. 1—Drg. SP-E-230

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
SP-151	E-380 Q14-02531	1	Governor with Bevel Pinion and Bearing Complete as Shown	5 - 14
SP-152	EE-102 & Q1-00067	1	Governor Bearing W/Cap Screws, & Oilite Bush.	1 - 10
SP-153	RE-104	1	Governor Shaft	0 - 8
SP-154	AE-186 & Q11-02549	1	Bevel Pinion 18 T. 12 D.P. with No.3 Taper Pin	0 - 4
SP-155	BE-102 & Q11-00855	1	Governor Head W/ No. 2 Taper Pins	0 - 9
SP-156	AE-102	1	Sliding Head	0 - 9
SP-157	E-496	Pr.	Arm and Ball	1 - 1
SP-158	DE-102	4	Connecting Link (Order 4 Per Set)	0 - 1
SP-159	UE-104 & Q11-00845	2	Pin W/Cotters	0 - 1/2
SP-160	VE-104 & Q11-00845	4	Pin W/Cotters	0 - 1/2
SP-161	TE-104	1	Hardened Washer	0 - 1/2
SP-162	SE-104	1	Hardened Thrust Socket	0 - 1/2
SP-163	QE-104	1	Governor Stem	0 - 2
SP-164	AAE-104	1	Governor Spring	0 - 1
SP-165	YE-104, Q6-00317	1	Fixed Nut with 2 Set Screw	0 - 12
SP-166	XE-104, Q9-00526	1	Governor Adjusting Screw with Jam Nut.	0 - 7
SP-167	TE-102, E-219 & Q9-00522	1	Variable Speed Arm with 2 Screws and Nuts. (When used replaces SP-165)	1 - 0
SP-168	E-219 & Q9-00522	2	Screw and Nut	0 - 1
SP-169	Q19-02343	3	Oil Cup	0 - 1
SP-170	E-490 & Q2-00252	1	Hinge Block w/Cap Screw	0 - 1
SP-171	AEE-104	1	Collar Spacer	0 - 1
SP-172	E-491 & Q9-02392	1	Stop Rod, w/Nuts	0-1

*Indicates that the part is subject to variations.

GEAR COMBINATIONS FOR SIMPLEX CONTROLLERS

COMBINATION NO.	DRIVER	TEETH	DRIVEN	TEETH	WORM AND WORM WHEEL
1	SP-141	60	SP-139	48	Double - R.H. or L.H.
2	SP-140	54	SP-140	54	" " " "
3	SP-139	48	SP-141	60	" " " "
4	SP-138	42	SP-142	66	" " " "
5	SP-137	36	SP-143	72	" " " "
6	SP-136	30	SP-144	78	" " " "
7	SP-135	24	SP-145	84	" " " "
8	SP-137	36	SP-143	72	Single - R.H. or L.H.
9	SP-136	30	SP-144	78	" " " "
10	SP-135	24	SP-145	84	" " " "
11	SP-134	20	SP-146	88	" " " "
12	SP-133	16	SP-147	92	" " " "
13	SP-132	12	SP-148	96	" " " "
14	SP-131	10	SP-149	98	" " " "
15	SP-130	8	SP-150	100	" " " "

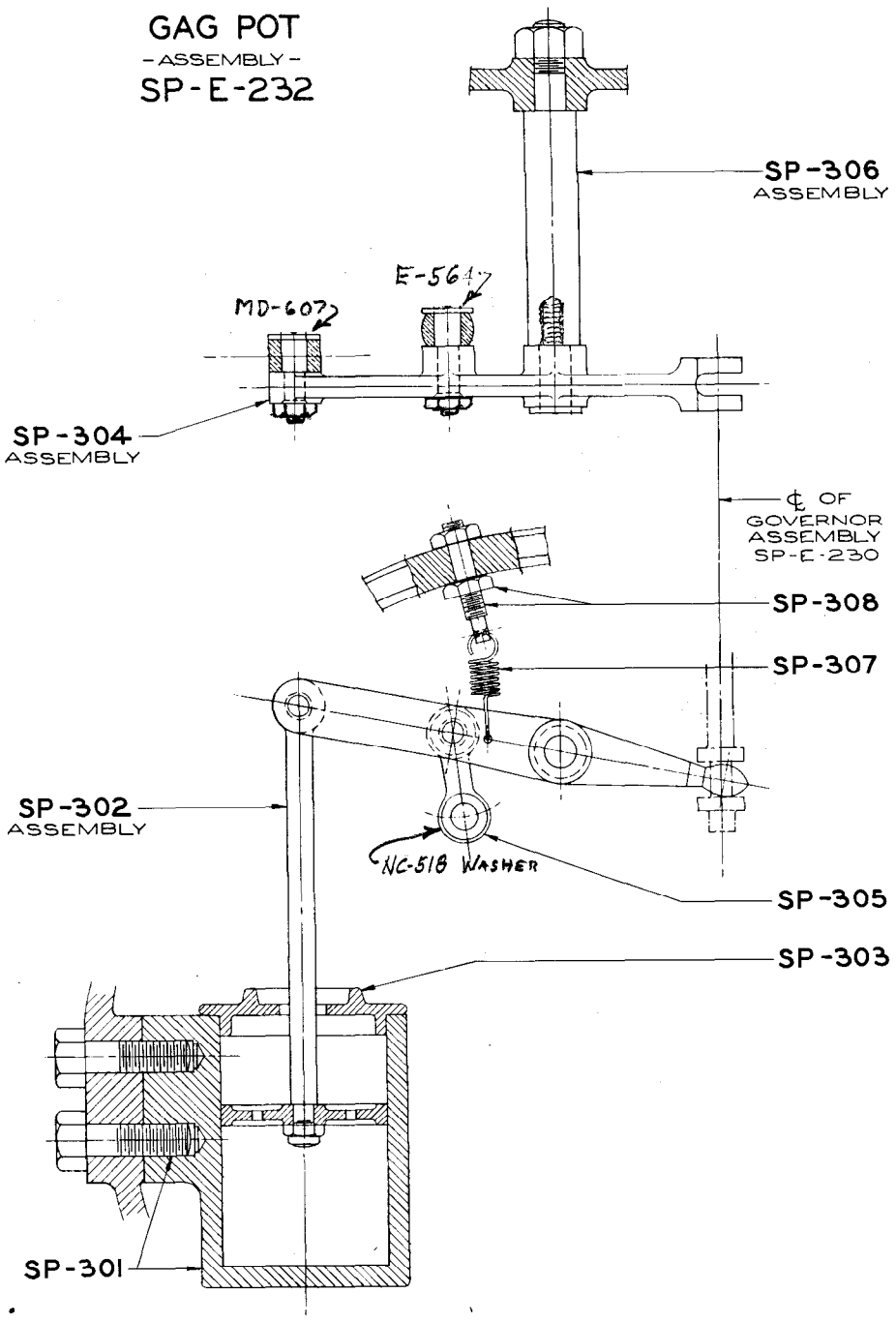


DIAL AND CAMS

Fig. 2 - Drg. SP-E-231

CATALOG NO.	LOGAN DRG. NO.	NO. REQ'D	PART DESCRIPTION	APPROX. NET WEIGHT LBS.	OZ.
SP-201	AE-103 & Q06-00317	1	Cam Dial with Set Screw	10	4 1/2
SP-202	Q06-00317	1	Set Screw for Dial	0	0 1/2
SP-203	E-384	1	Key for Dial	0	1
SP-204*	ZE-104	1*	Depth Indicator Dial, 24" w/ 2 E-223 & 1 Q01-00017	17	7
SP-205*	BZE-104	1*	Depth Indicator Dial, 30" w/ 2 E-223 & 1 Q01-00017	24	12
SP-206*	AZE-104	1*	Depth Indicator Dial, 36" w/ 2 E-223 & 1 Q01-00017	35	11
SP-207	JE-105	2	Cam	0	4
SP-208	PD-607 & Q09-02392	4	Cam Bolt with Nut	0	1
SP-209*	E-548, Q01-00042 & Q09-02493	1*	Pointer for 24" Indicator Dial w/ Clamp Bolt & Nut	2	0
SP-210*	AQE-102, Q01-00042 & Q09-02493	1*	Pointer for 30" Indicator Dial w/ Clamp Bolt & Nut	2	3
SP-211*	BQE-102, Q01-00042 & Q09-02493	1*	Pointer for 36" Indicator Dial w/ Clamp Bolt & Nut	2	7
SP-212	E-312 & Q06-00315	Spec.	Level Marker w/ Set Screw	0	2

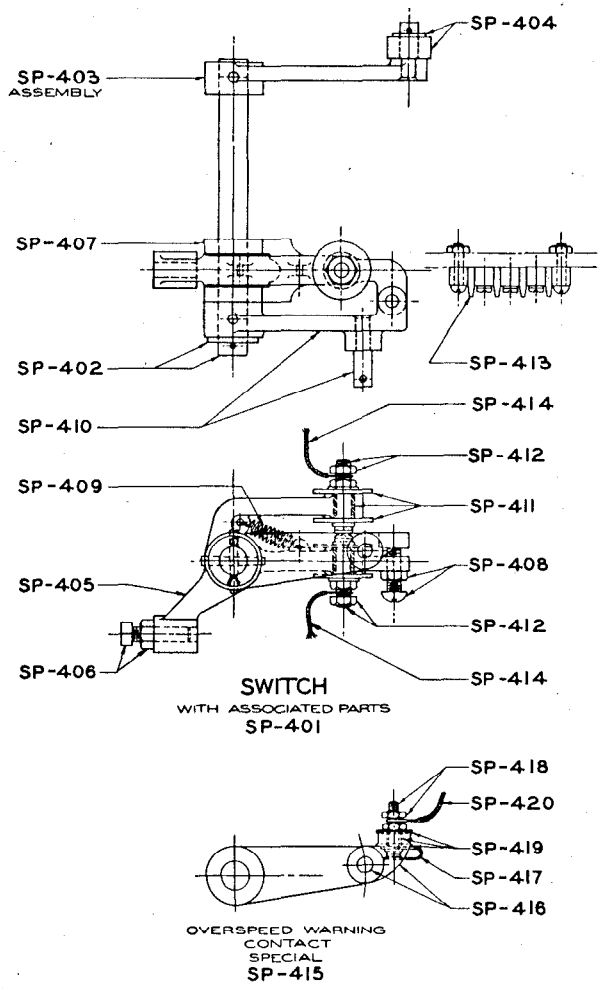
* Indicates that the part is subject to variation



GAG POT

Fig. 3 - Drg. SP-E-232

CATALOG NO.	LOGAN DRG. NO.	NO. REQ'D	PART DESCRIPTION	APPROX. NET WEIGHT LBS.	OZ.
SP-301	FE-102	1	Gag Pot with 2 Cap Screws	2	6
SP-302	GE-102, ED-602 & Q09-01156	1	Piston, Piston Rod & Locknut	0	10
SP-303	CD-602	1	Cover	0	4½
SP-304	E-429	1	Rocker Arm with 2 Pins	0	8
SP-305	UE-102	1	Connecting Link	0	2
SP-306	AE-104, Q09-00510 & S-740	1	Stud with Nut & Shoulder Stud for Rocker Arm	0	6
SP-307	WE-104	1	Spring	0	1
SP-308	PE-104 & Q09-00520	1	Spring Anchor with 2 Nuts	0	1



SWITCH WITH ASSOCIATED PARTS

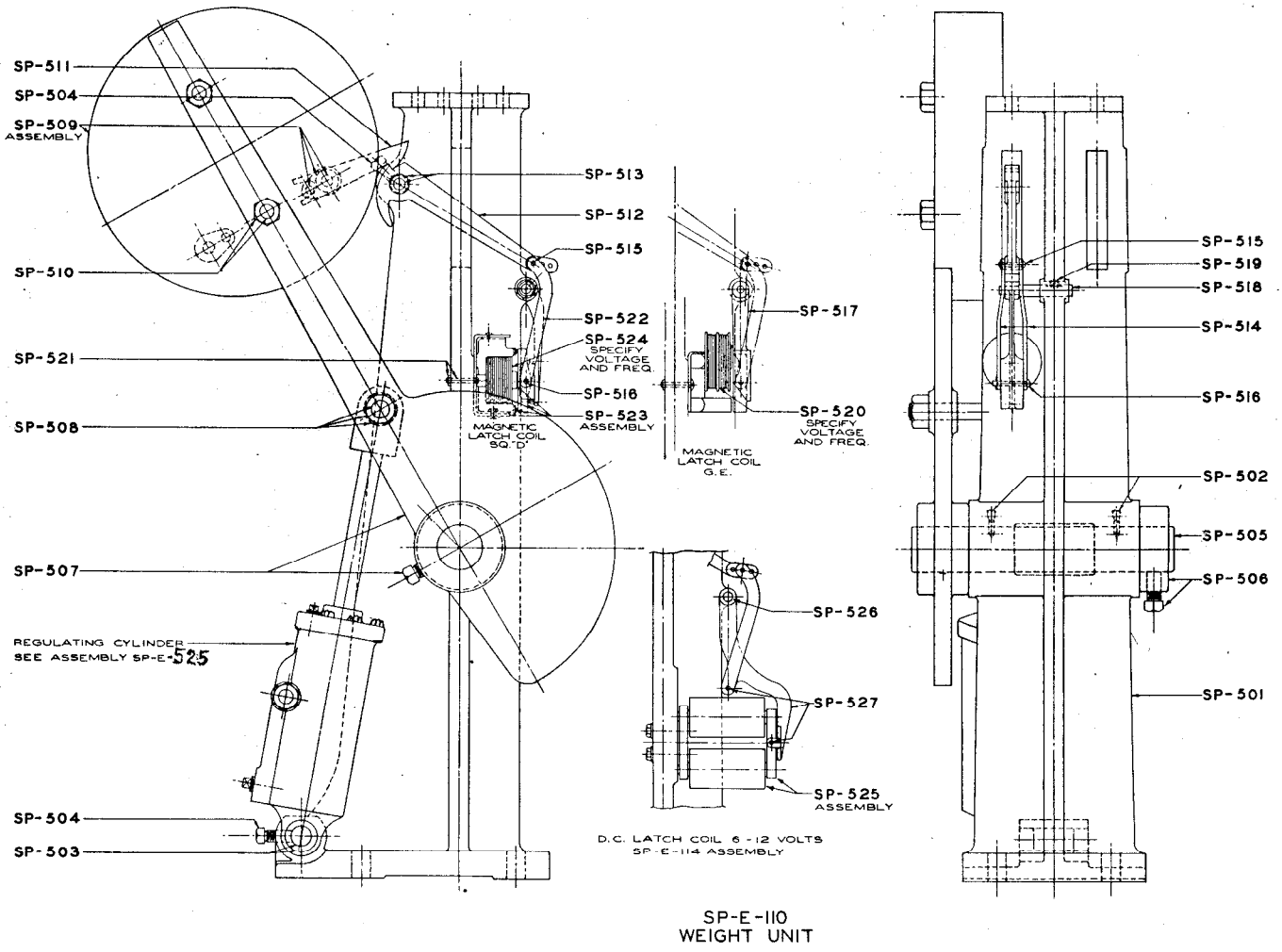
Fig. 4—Drg. SP-E-233

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
SP-401	E-233	1	Upper & Lower Switch Arms with Contacts, Washer, Cotter & Roller Arm on Shaft. Complete as Shown with Loose Arm	1 -	4
SP-402	BE-104, ME-104 & Q11-00846	1	Shaft with Washer & Cotter	0 -	6
SP-403	SE-102, DE-104, CE-104, NC-518 & Q11-00845	1	Roller Arm with Roller, Pin, Washer, Taper Pin & Cotter. (ASSBLY E-495)	0 -	8
SP-404	DE-104, NC-518 & Q11-00845	1	Roller, Washer & Cotter	0 -	1
SP-405	JE-102, Q11-00855 Q6-00334, Q9-02392	1	Main Contact Arm W/Taper Pin & Adj. Screw & Nut	0 -	8
SP-406	Q6-00334, Q9-02392	1	Adjusting Screw & Nut	0 -	1
SP-407	PE-102, Q4-00765 Q9-00535	1	Forked Contact Arm with Adj. Screw & Nut	0 -	4½
SP-408	Q4-00765, Q9-00535	1	Adjusting Screw & Nut	0 -	1
SP-409	XD-605	1	Spring	0 -	1
SP-410	E-430	1	Loose Arm with Pin & Cotter	0 -	8
SP-411	C-1058, NE-102	1 Set	Insulating Parts for Switch, 4 Washers & 2 Bushings	0 -	1½
SP-412	CS-871 & Q9-00535	2	Contact Screw with Nuts & Washer, Silver (Upper or Lower)	0 -	1
SP-413	E-424, Q4-00478 Q9-00505	1	Terminal Strip with Screws & Nuts	0 -	2
SP-414	E-385 & E-386 (E-470)	1 Set	Switch Leads 6½" Lg. with Rubber Sleeve	0 -	2

SWITCH WITH ASSOCIATED PARTS

Fig. 4—Drg. SP-E-233

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
			OVERSPEED WARNING CONTACT SPECIAL TO ADD OVERSPEED WARNING CONTACT OMIT SP-410 & USE SP-415	
SP-415	E-432	1	Loose Arm W/Pin, Contact Screw W/Nuts, Bell Contact Spring, Insulating Parts and Warning Contact Lead	0 - 11
SP-416	E-431	1	Loose Arm W/Pin & Cotter	0 - 8
SP-417	YD-605	1	Bell Contact Spring	0 - 1/4
SP-418	AS-871 & Q9-00534	1	Contact Screw W/Nuts, Silver	0 - 1
SP-419	CS-296 & DS-296	1 Set	Insulating Parts, 1 Bushing W/2 Washers	0 - 1/2
SP-420	E-377	1	Warning Contact Lead 10-1/2" Long	0 - 1



SP-E-110
WEIGHT UNIT

WEIGHT UNIT

Fig. 5—Drg. SP-E-110

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
SP-501	AE-111	1	Pedestal	161 -	0
SP-502	Q19-02343	2	Oil Cup	0 -	1
SP-503	CE-113, BE-113 Q11-00843	1	Stud with Washer & Cotter	1 -	1
SP-504	Q6-03119	3	Sq. Hd. Set Screw	0 -	2
SP-505	KE-112	1	2" Shaft	10 -	0
SP-506	SE-112, Q6-03120	1	2" Collar with Set Screw	2 -	10
SP-507	DE-112, Q6-03120	1	Weight Arm with Set Screw	28 -	0
SP-508	ME-112, Q9-00514 ARD-528 & Q11-00848	1	Pin with Cotter, Nut and Washer	1 -	0
SP-509	AE-113, FE-113, HE-113, ME-104 & Q11-01000	1	Weight W/Latch Pins, Washers & Cotters	96 -	0
SP-510	Q8-00154, Q9-00743	2	Sq. H'd. Machine Bolt with Nut	0 -	8
SP-511	HE-112	1	Latch on Weight	0 -	9
SP-512	EE-112	1	Latch Arm	1 -	2
SP-513	PE-112, ME-104 & Q11-00847	1	Stud and Cotter for Latch Arm W/Washer & Cotter	0 -	6
SP-514	QE-112 & RE-112	1 Pr.	Link, Left QE-112 and Right RE-112	0 -	4
SP-515	UE-112 & Q11-00840	1	Pin for Upper End of Links with Cotter	0 -	1
SP-516	TE-112 & Q11-00840	1	Pin for Lower End of Links with Cotter	0 -	1
SP-517	NE-112	1	Armature Hanger for G.E.-For Repairs Only	0 -	5
SP-518	JE-112 & UD-607	1	Stud for Armature Hanger with Cotter & Washer	0 -	2¼
SP-519	Q6-01262	1	Sq. Hd. Set Screw	0 -	1

WEIGHT UNIT

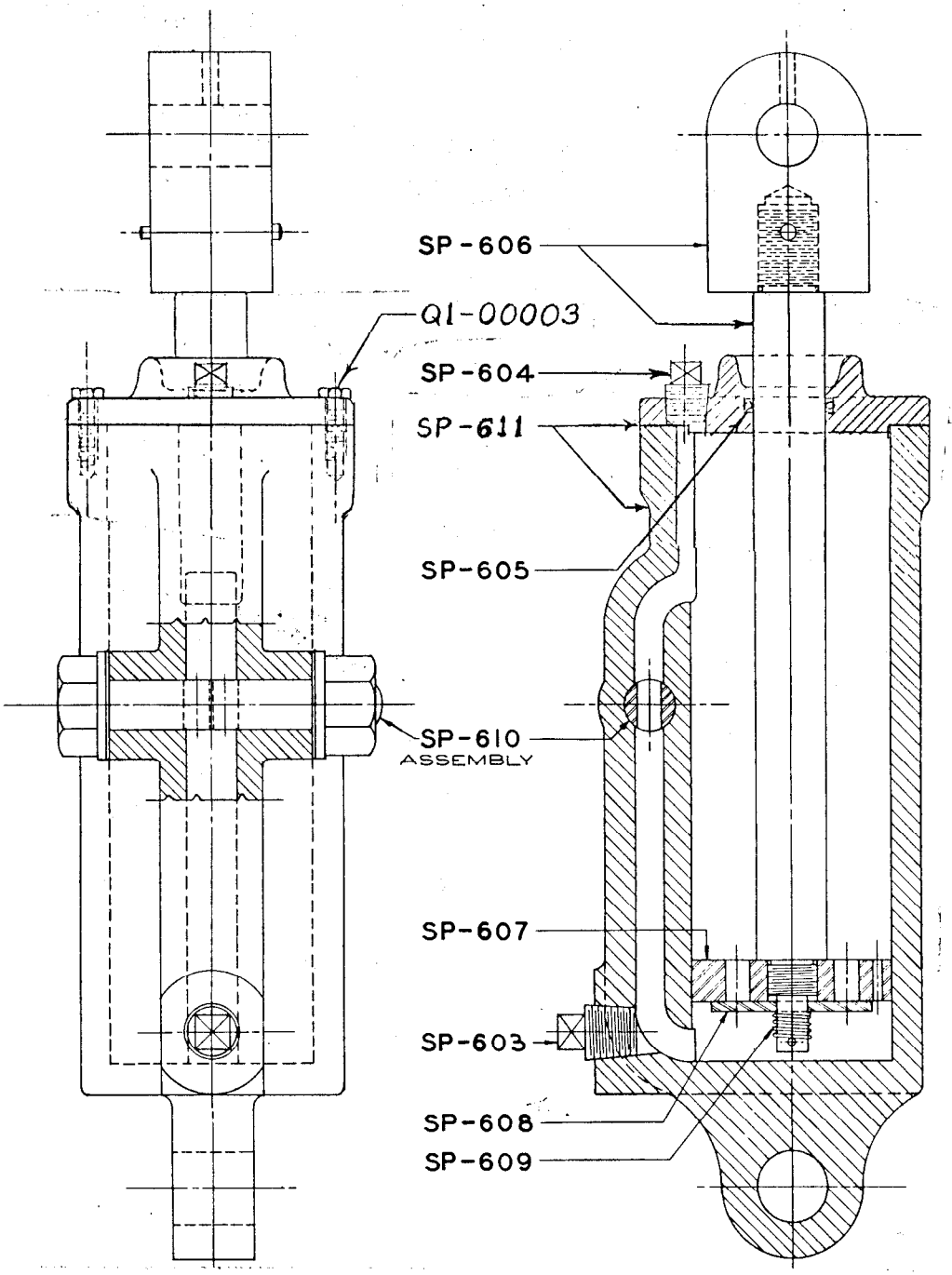
Fig. 5—Drg. SP-E-110

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
SP-520	E-387	1	Coil G.E. Specify Voltage & Freq. - For Repairs Only.	0	8
SP-521	Q4-00471 Q9-00507	2	Rd. Hd. Screw and Nut	0	1
SP-522	D-840	1	Armature Hanger for Sq. D.	0	5
SP-523	D-2333	1	Coil Frame and Armature for Sq. D. W/Bracket Assembled	0	14
SP-524	E-388	1	Magnet Coil Sq. D. - Specify Voltage and Freq.	0	6

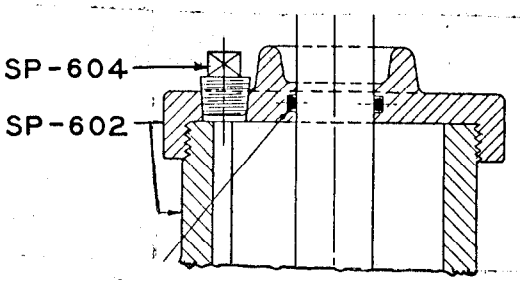
D.C. LATCH COIL
SP-E-114

OMIT ARMATURE HANGER SP-517 OR SP-522, COIL FRAME AND ARMATURE ASSEMBLY SP-523, STUD SP-518, AND ADD THE FOLLOWING

SP-525	B-299, Q1-00007 & Q10-00549	1	Latch Coil Assembly W/Armature, Cap Screws and Lock Washers. 6-12 Volt D.C.	3	5
SP-526	BE-114 & Q11-00845	1	Stud for Armature Hanger W/Cotter and Washer	0	4
SP-527	AE-114, TE-112 & E-119	1	Armature Hanger W/Pins.	0	12



2 ½ HYDRAULIC REGULATING CYLINDER SP-601

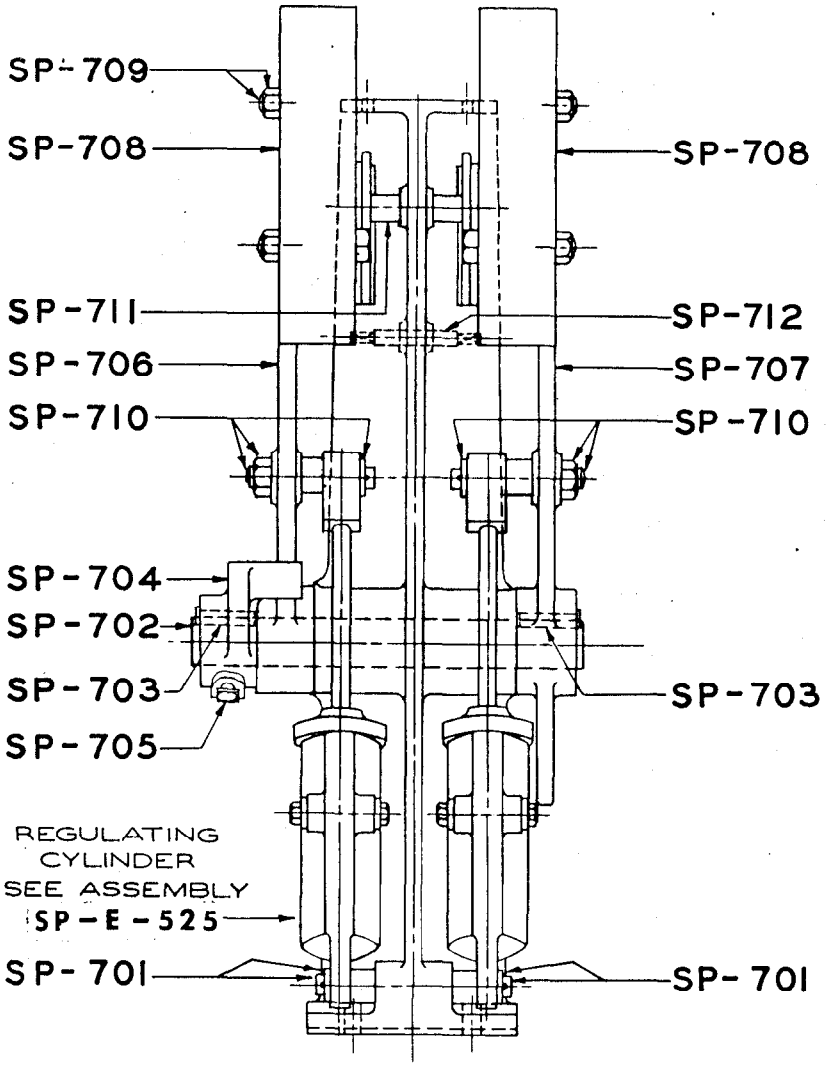


FORMER CONSTRUCTION
E-235
OBSOLETE

HYDRAULIC REGULATING CYLINDER FOR WEIGHT UNIT SP-E-110

Fig. 6—Drg. SP- E-525

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
SP-601	E-525	1	Regulating Cylinder Complete	16 - 5
SP-602	BE-112, AE-112, Q20-00869 & Q22-01992	1	Cylinder and Cover W/Pipe Plugs & "O" Ring	11 - 10
SP-603	Q20-00870	1	Pipe Plug 3/8"	0 - 1
SP-604	Q20-00869	1	Pipe Plug 1/4"	0 - ½
SP-605	Q22-01992	1	"O" Ring Q11-01953	0 - ¼
SP-606	E-169 & E-170	1	Piston Rod with Cotter & Head W/Taper Pin	3 - 4
SP-607	CB-230	1	Piston	0 - 14
SP-608	NB-230	1	Piston Valve	0 - 2
SP-609	LB-230	1	Spring	0 - ½
SP-610	CE-112, FE-112, GE-112 & Q9-00743	1	Regulating Valve, 2 "O" RINGS, 2 Washers and Nut, Assembled.	0 - 7¼
SP-611	E-526 E-527 Q1-00003	1	Cylinder, cover, bolts, pipe plugs, O-Ring	11—10



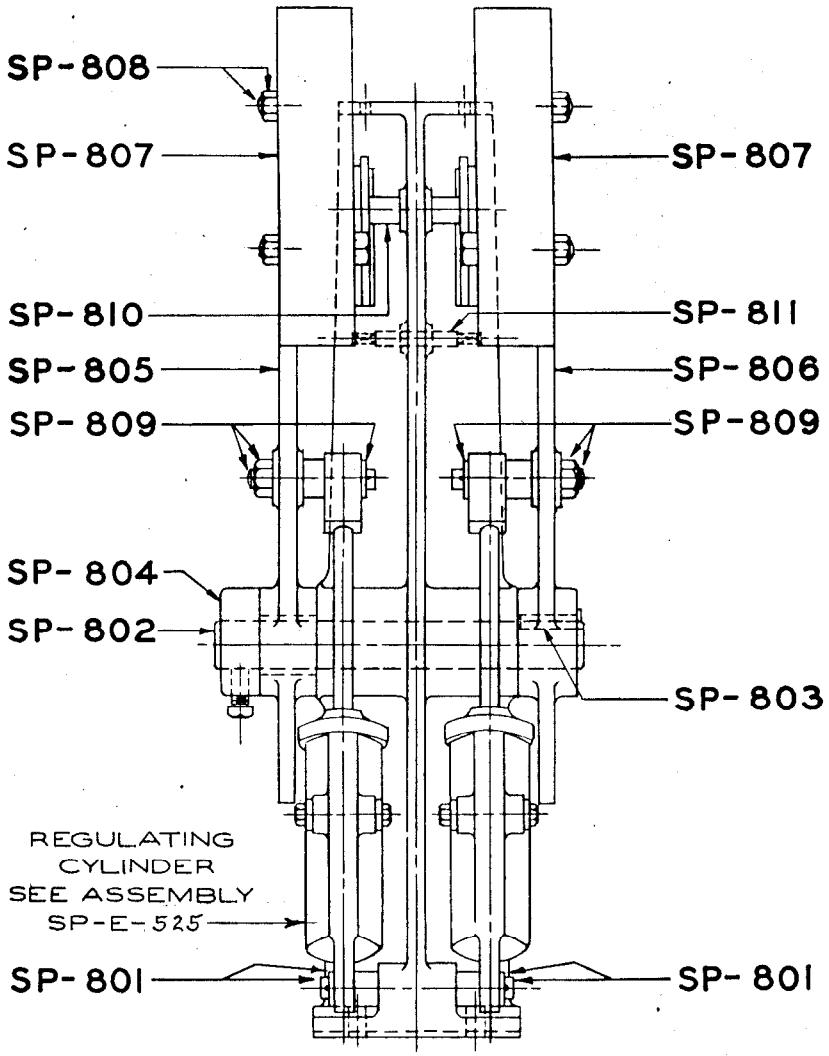
DUPLEX WEIGHT UNIT
-FOR-
SINGLE BRAKE-TWO WEIGHTS
SP-E-184

DUPLEX WEIGHT UNIT FOR SINGLE BRAKE—TWO WEIGHTS

Fig. 7—Drg. SP-E-184

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
SP-701	E-174 & BE-113	1	Pin with Cotter Interchangeable with SP-503 & 2 Washers	1	8
SP-702	E-173	1	2" Shaft Interchangeable with SP-505	13	0
SP-703	E-236	2	Gib-Head Key	0	3
SP-704	E-176, Q6-00376	1	Lifter and 2 Set Screws	6	0
SP-705	Q6-00376	2	Sq. Hd. Set Screw	0	2
SP-706	E-171	1	Weight Arm, Loose	18	0
SP-707	E-150	1	Weight Arm, Keyed W/Set Screw	28	0
SP-708	AE-113	2	Weight	96	0
SP-709	Q8-00154	4	Bolt with Nut	0	8
SP-710	ME-112 & ARD-528, Q9-00514	2	Pin with Washer, Cotter and Nut	1	0
SP-711	E-175	1	Latch Lever Pin with Taper Pin and Cotter Interchangeable with SP-513	1	10
SP-712	E-177	1	Pin with Cotter for Armature Hanger NE-112 Interchangeable with SP-518	0	5

For Magnetic Latches, See SP-514 Thru SP-527
For Other Part Numbers, See SP-E-110 Fig. 5



DUPLEX WEIGHT UNIT
-FOR-
TWO INDEPENDENT BRAKES
SP-E-185

DUPLEX WEIGHT UNIT FOR TWO INDEPENDENT BRAKES

Fig. 8—Drg. SP-E-185

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
SP-801	E-174 & BE-113	1	Pin with Cotter Interchangeable with SP-503 & 2 Washers	1	8
SP-802	E-221	1	2" Shaft Interchangeable with SP-505	12	8
SP-803	E-236	1	Gib-Head Key	0	3
SP-804	SE-112 & Q6-03120	1	2" Collar with Set Screw	2	10
SP-805	E-299	1	Weight Arm, Loose	28	0
SP-806	E-150	1	Weight Arm, Keyed W/Set Screw	28	0
SP-807	AE-113	2	Weight	96	0
SP-808	Q6-00154 & Q9-00743	4	Bolt with Nut	0	8
SP-809	ME-112, ARD-528, & Q9-00514	2	Pin with Washer, Cotter and Nut	1	0
SP-810	E-175	1	Latch Lever Pin with Taper Pin and Cotter Interchangeable with SP-513	0	10
SP-811	E-177	1	Pin with Cotter for Armature Hanger NE-112 Interchangeable with SP-518	0	5

For Magnetic Latches, See SP-514 Thru SP-527
For Other Part Numbers, See SP-E-110 Fig. 5

SELECTIVE LIMIT CAMS AND SWITCHES

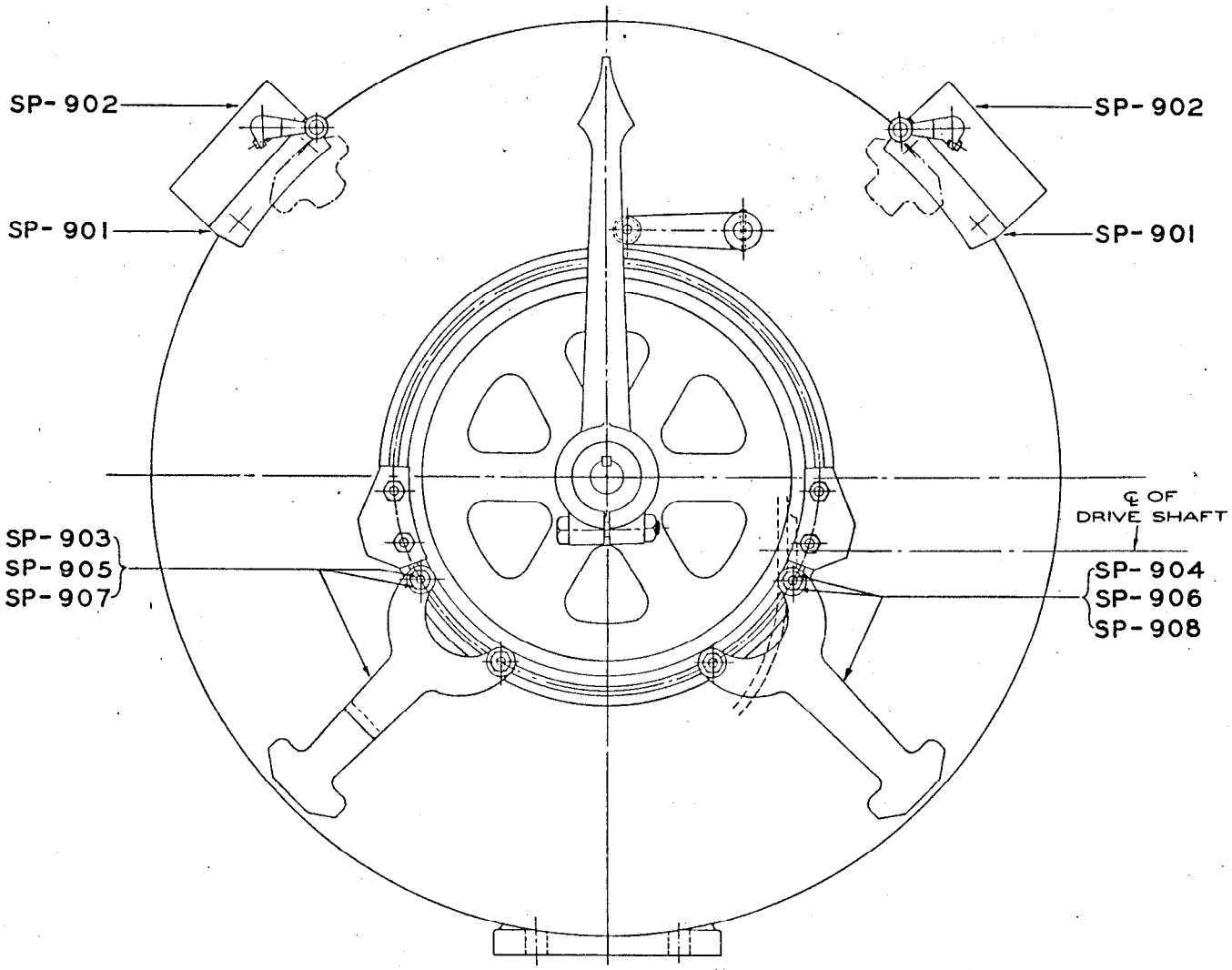
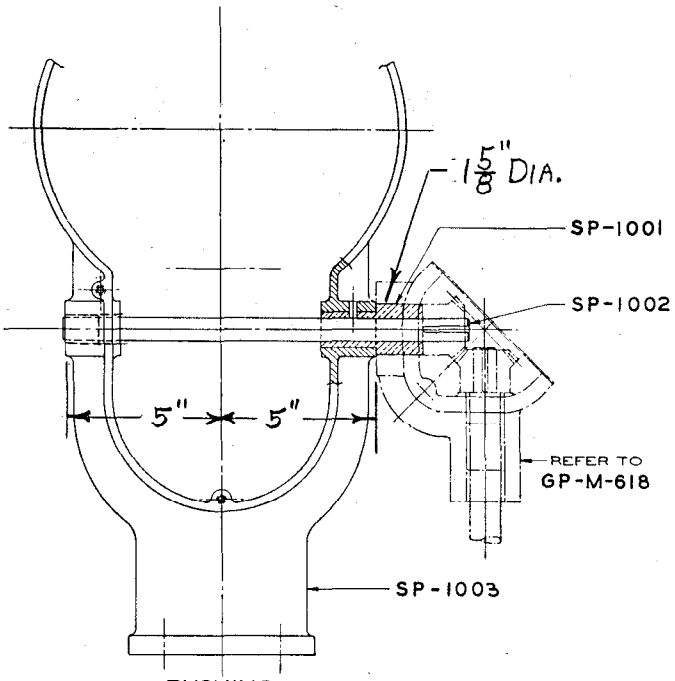


Fig. 9—Drg. SP-E-335

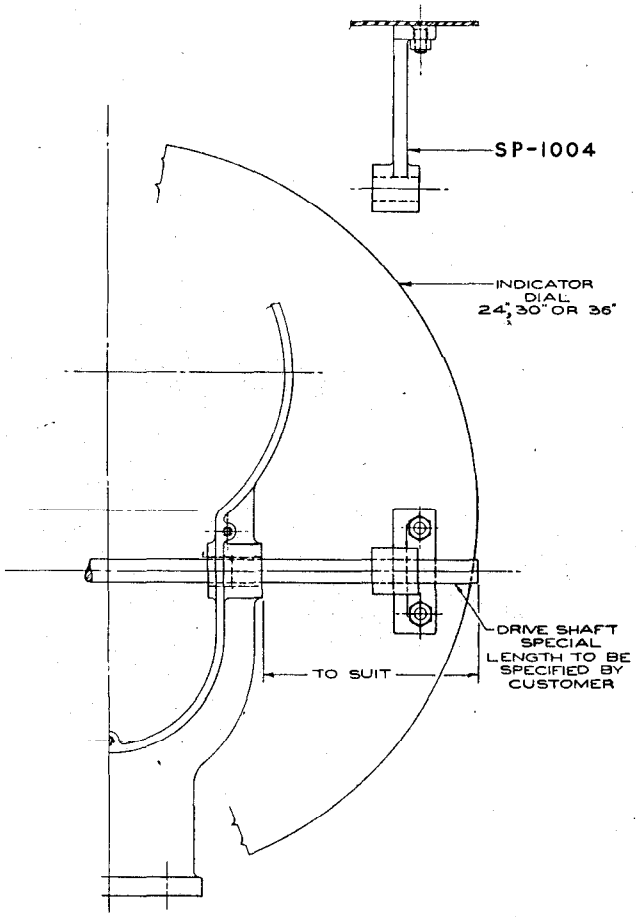
Catalog No.	Logan Drg. No.	Qty. Req'd.	Part Description	Approx. Net Wt. Lb.	Oz.
SP-901	E-338, Q6-00317	2	Bracket, w/Socket Set Screws	0	15
SP-902	Q16-02749, Q4-00473 Q16-03026	2	Limit Switch w/Roller Arm & Screws	0	13
SP-903	E-336, ATD-607, Q9-02392	1	Limit Cam, Inner, w/Dial Bolts & Nuts for 24" Dial	1	3
SP-904	E-337, ATD-607, Q9-02392	1	Limit Cam, Outer, w/Dial Bolts & Nuts for 24" Dial	1	3
SP-905	E-565, ATD-607, Q9-02392	1	Limit Cam, Inner, w/Dial Bolts & Nuts for 30" Dial	1	10
SP-906	E-566, ATD-607, Q9-02392	1	Limit Cam, Outer, w/Dial Bolts & Nuts for 30" Dial	1	10
SP-907	E-421, ATD-607, Q9-02392	1	Limit Cam, Inner, w/Dial Bolts & Nuts for 36" Dial	2	0
SP-908	E-422, ATD-607, Q9-02392	1	Limit Cam, Outer, w/Dial Bolts & Nuts for 36" Dial	2	0
SP-909	ATD-607, Q9-02392	4	Cam Bolt & Nut	0	1



BUSHING
-FOR-
ANGLE BEARING DRIVE

SPECIFY SHAFT EXTENSION WHEN VIEWED FROM FRONT. SHOWN LEFT HAND.

Drg. SP-E-234



BEARING
-FOR-
EXTENDED DRIVE SHAFT

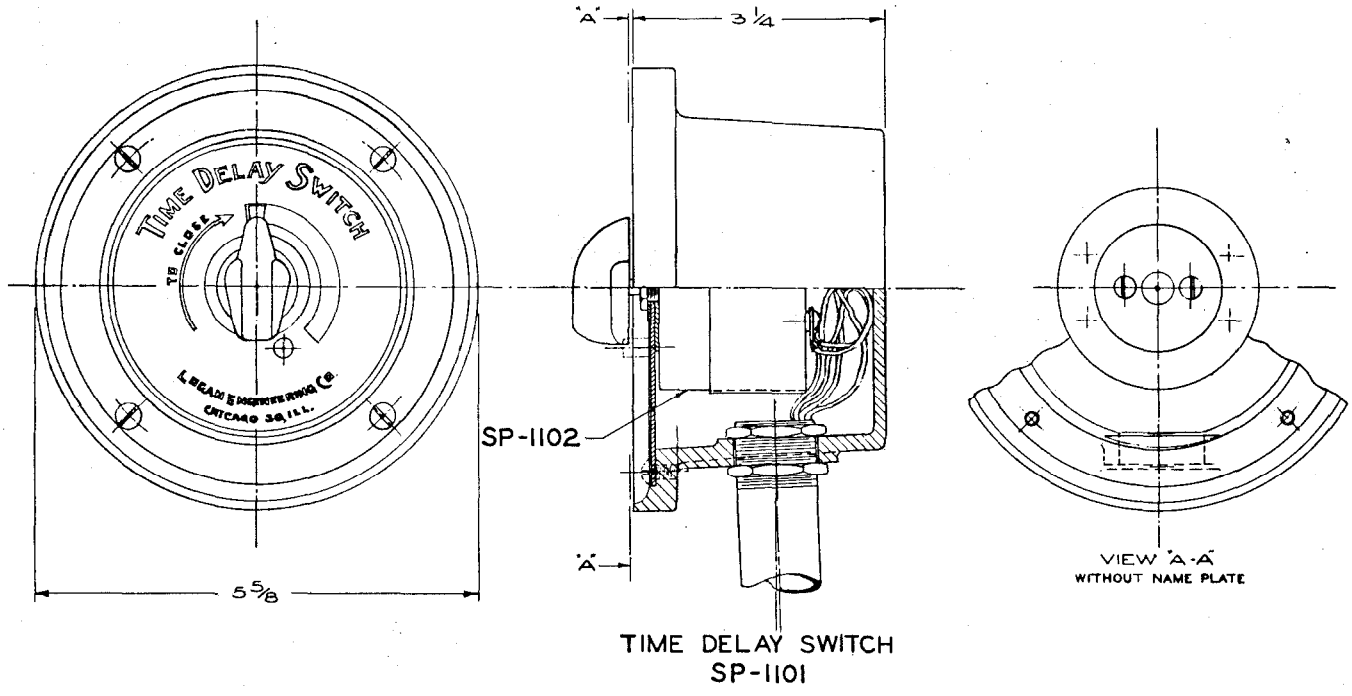
SPECIFY SHAFT EXTENSION WHEN VIEWED FROM FRONT. SHOWN LEFT HAND.

Drg. SP-E-264

DRIVE ILLUSTRATIONS

Fig. 10—Drgs. SP-E-234 and SP-E-264

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
SP-1001	E-131	1	Bushing	3 - 12
SP-1002	E-132	1	Drive Shaft	1 - 12
SP-1003	E-259	1	Frame, Special Boring (Refer to Dwg. E-228-1)	58 - 0
SP-1004	CE-103, Q5-01051 Q9-02493	1	Bearing with 2 Screws & Nuts (Special for Extended Drive Shaft)	2 - 3



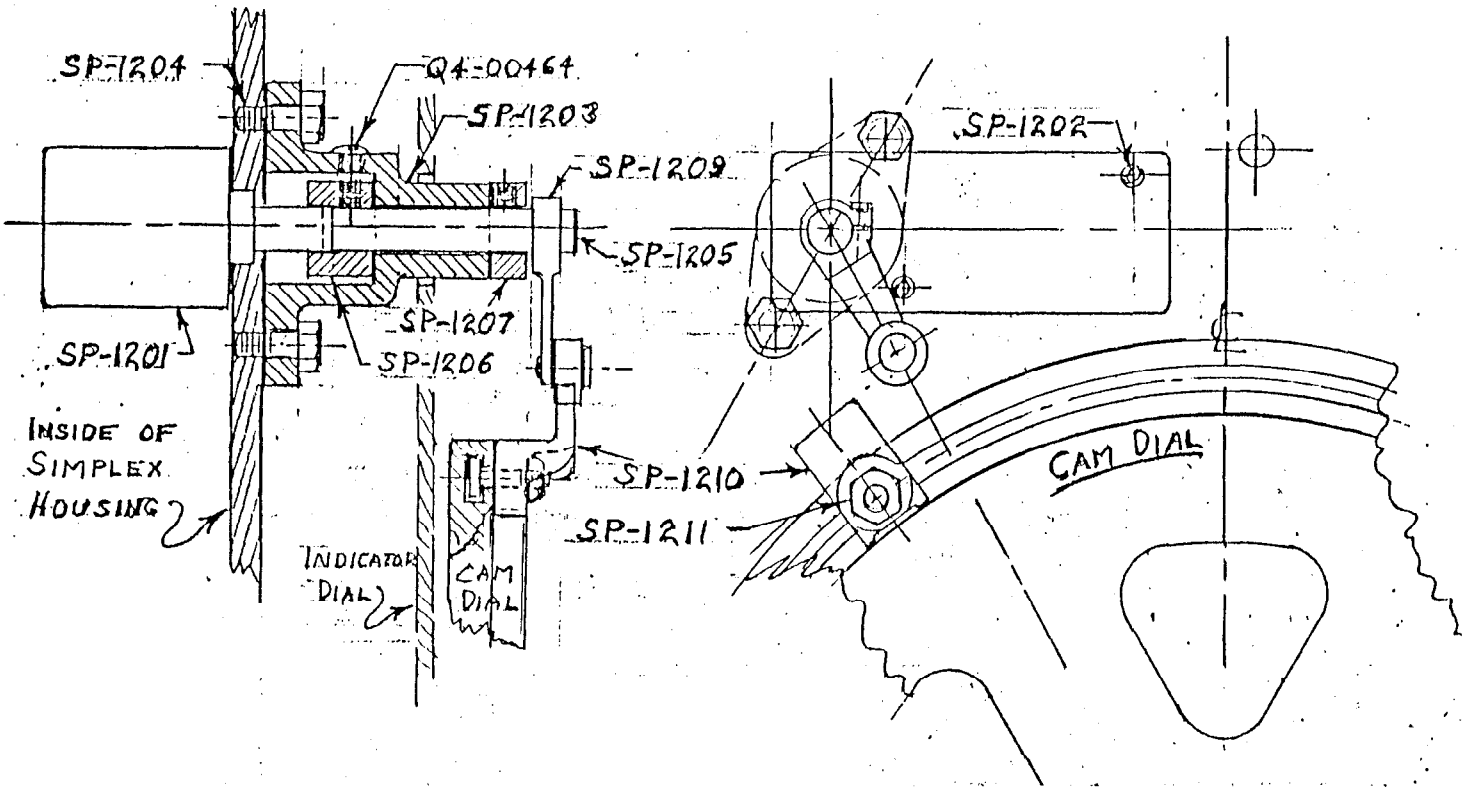
TIME DELAY SWITCH
SP-1101

TIME DELAY SWITCH

Fig. 11—SP-E-255

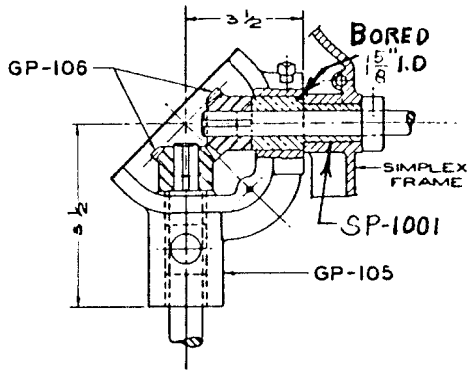
Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
SP-1101	E-255	1	Time Delay Switch Complete	4 - 6
SP-1102	E-263	1	Time Delay Switch (60 Second Timing)	0 - 9

E-541 SIMPLEX LIMIT SWITCH ASSEMBLY

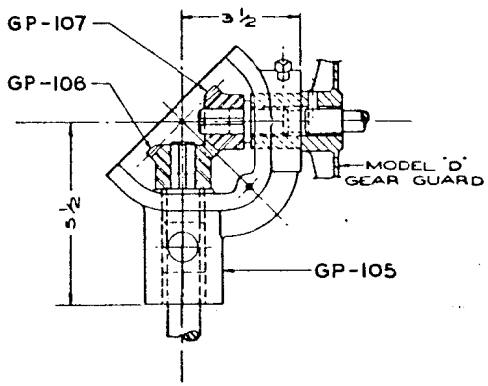


CATALOG NUMBER	LOGAN DWG. NUMBER	QUANTITY REQUIRED	DESCRIPTION	APPROX. LBS.	WT. OZ.
SP-1200	SP-1201-SP-1213		Field Kit w/Template E-554, Housing E-555, Indicator Dial (For Ser. No. B/4 #1908)		
SP-1201	Q16-03310	1	Limit Switch		
SP-1202	Q04-00472	2	Screw for Limit Switch, #10-32 x 1-1/2"		
SP-1203	E-543	1	Bracket		
SP-1204	Q01-00018	2	Cap Screw for Bracket 5/16 x 3/4"		
SP-1205	E-544	1	Operating Shaft		
SP-1206	E-545	1	Coupling Collar w/Set Screw		
SP-1207	E-546	1	Collar w/Set Screw		
SP-1208	Q06-00305	2	Set Screw #10-32 x 3/16"		
SP-1209	Q16-02974	1	Lever Arm w/Roller		
SP-1210	E-547	2	Limit Cam		
SP-1211	AYD-607	2	Bolt w/Nut SP-1212		
SP-1212	Q09-00508	2	Nut		
SP-1213	E-551	4	Switch Leads, #14 Stranded 2W & 2 Blk x 12"		
SP-1214	E-548	1	Pointer for 24" Dia. Indicator Dial		
SP-1215	E-549	1	Pointer for 30" Dia. Indicator Dial		
SP-1216	E-550	1	Pointer for 36" Dia. Indicator Dial		
SP-1217	E-551	1	Overlapping Limit Cam (Over 85% Travel)		
SP-1218	AWD-607	2	Spacer		
SP-1219	ATD-607	2	Cam Bolt & Nut SP-1212		
SP-1220	AE-552	1	Indicator Dial 24" Dia. & 3 Screws E-223		
SP-1221	BE-552	1	Indicator Dial 30" Dia. & 3 Screws E-223		

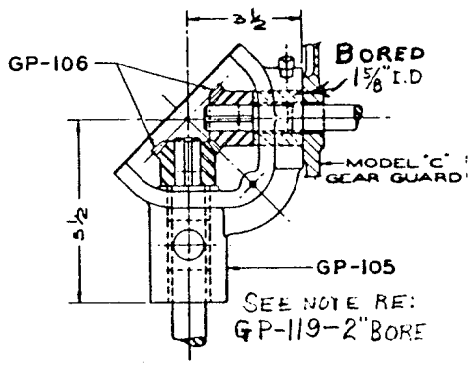
Note: Previous Standard Pointer Does Not Clear Limit Switch.
Order Separately SP-1214, SP-1215, SP-1216, if B/4 Ser. #1908.



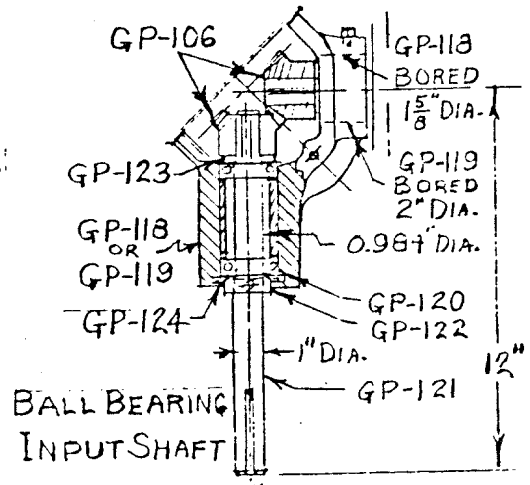
ANGLE BEARING
FOR
SIMPLEX HOIST CONTROLLER
GP-101



ANGLE BEARING FOR MODEL "D"
LILLY HOIST CONTROLLER
GP-102

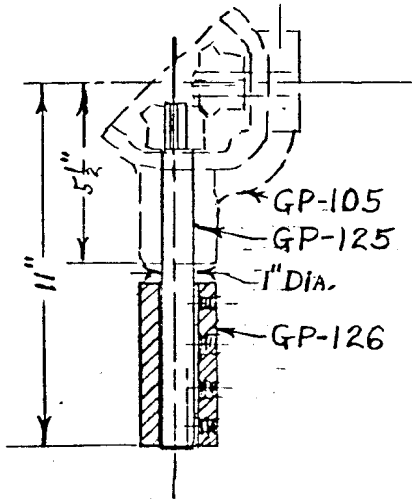


ANGLE BEARING
FOR
MODEL "C" LILLY HOIST CONTROLLER
GP-104



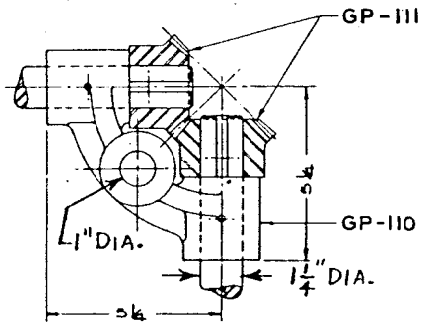
NOTE: MODEL "C" CONTROLLER SER.
5390 AND OVER, USE GP-119
BEARING BORED 2" I.D.

ANGLE DRIVES FOR HOIST CONTROLLERS

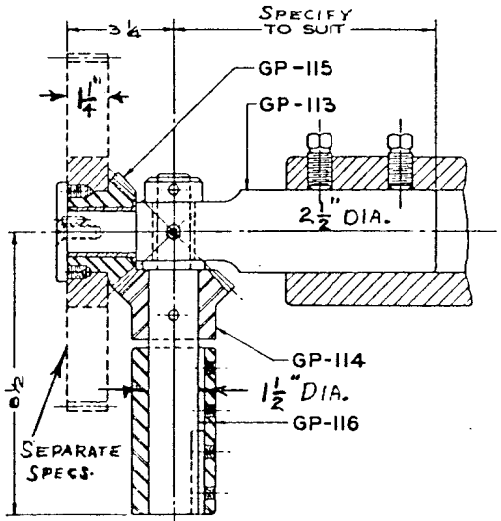


STUB SHAFT AND COUPLING

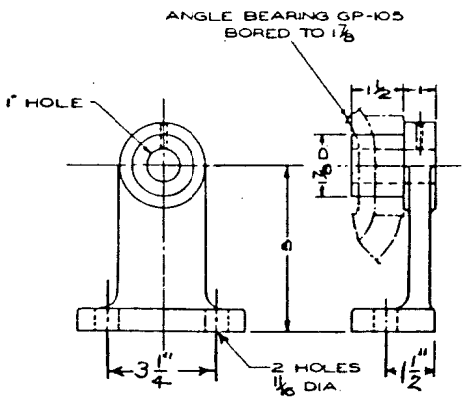
GP-108



ANGLE BEARING
GP-109



SPUR AND BEVEL GEAR DRIVE
GP-112



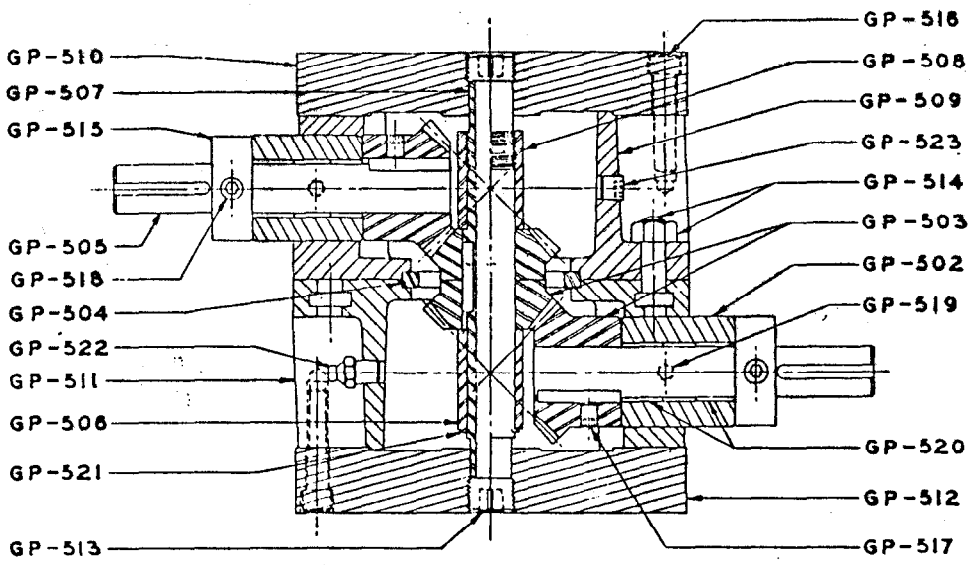
BEARING
GP-117

ANGLE BEARINGS AND DRIVES

840306

ANGLE BEARINGS AND DRIVES

CATALOG NO.	LOGAN DRG. NO.	QTY. REQ'D.	PART DESCRIPTION	APPROX. NET WGT. LB.	OZ.
GP-101	E-288-1	1	Angle Bearing w/Miter Gears & Covers, w/o Shafts or Simplex Hub SP-1001	9	0
GP-102	D-855-1	1	Angle Bearing w/Miter Gears & Covers, w/o Shafts, 1 Gear w/Short Hub	9	0
GP-104	C-891-1	1	Angle Bearing w/Miter Gears & Covers, w/o Shafts. Bore 1-5/8". See also GP-118	9	0
GP-105	AC-529, BC-529, EC-529, Q4-00480, Q19-00611, Q20-00868	1	Angle Bearing w/Bushings, Covers, Screws Grease Fitting, Pipe Plug w/o Miter Gears	8	10
GP-106	AD-1242, Q6-00310	1 or 2	Miter Gear w/Setscrew & Key, 20T-10 D.P., 3/4" bore, 3/16" keyway	0	8
GP-107	BD-1242, Q6-00310	1	Miter Gear w/Setscrew & Key, 20T. Like GP-106 except short hub	0	8
GP-108	D-1243, D-1244, Q6-01987	1	Stub Shaft w/Coupling, Setscrew, Key (For Plain Bearing Angle Bearing)	6	11
GP-109	C-970	1	Angle Bearing w/Miter Gears GP-111 (As shown except w/o Shafts)	9	10
GP-110	C-865	1	Angle Bearing w/o Gears or Shafts	7	10
GP-111	C-969	1 pr.	Miter Gears w/Setscrews & Key, 24T. - 8 D.P., 1¼" bore, 5/16" keyway	2	0
GP-112	C-840-2	1	Spur and Bevel Gear Drive, w/Gear Stud, Miter Gears, Stub Shaft, Coupling, w/o Spur Gear (Separate Specs for Gear and Stud Length)	34	0
GP-113	C-837, C-841, C-838	1	Gear Stud w/Alemite, Dowel, Washer, Etc.	21	0
GP-114	BC-1252	1	Miter Gear w/Pin, 28T. - 8 D.P. Bore 1½"	0	12
GP-115	AC-1252, Q14-01991 Q6-01988	1	Miter Gear, 28T. - 8 D.P., w/Oilite Bushing & 3 Soc. Hd. Screws. 2.347" dia. Hub	1	0
GP-116	C-1253, C-1254, C-839 Q6-00317	1	Stub Shaft, 1½" dia., w/Collar, Coupling, Setscrews & Key	9	4
GP-117	C-630	1	Bearing	5	7
GP-118	C-1854-1	1	Angle Bearing w/Ball Bearings, Cover, Spacer, Gears, Shaft & Collar Bore Size 1-5/8" I.D.	20	0
GP-119	C-1854-2	1	Angle Bearing w/Ball Bearings, Cover, Spacer, Gears, Shaft & Collar Bore Size 2" I.D.	20	0
GP-120	Q13-02461	2	Ball Bearing (For GP-118 or GP-119)	0	4
GP-121	C-1851	1	Input Shaft, 1" dia. x 12" from Center Line	3	2
GP-122	C-1852	1	Collar w/Setscrew for GP-121	0	7
GP-123	C-1853	1	Spacer, 3/16" Thk., 3/4" bore	0	2
GP-124	Q15-03358	1	Retaining Ring	0	1
GP-125	D-1243	1	Stub Shaft w/o Coupling (Plain Bearing)	3	0
GP-126	D-1244	1	Coupling (For GP-121 or GP-125 Shaft)	3	4



M-762 DIRECTIONABLE BASE

CATALOG NO.	DRAWING NO.	QUAN. REQ'D.	DESCRIPTION	NET WT. EACH Lbs.-Oz.
GP-501	M-762	1	Directionable Base, Complete	42 - 0
GP-502	M-720, Q14-00782	2	Bearing Sleeve W/Bushings	0 - 12
GP-503	M-721, Q6-00309	2 pr.	Miter Gear, 20T., 10 d.p. W/Set Screw	1 - 4
GP-504	M-722	1	Housing Ring Key	0 - 2
GP-505	M-723	2	Shaft	0 - 10
GP-506	M-726	1	Spacer Sleeve	0 - 2
GP-507	M-727, Q15-00932	1	Center Spindle W/Snap Ring	0 - 7
GP-508	M-728	1	Threaded Spacer Sleeve	0 - 2
GP-509	M-758	1	Upper Housing	9 - 0
GP-510	M-759	1	Upper Plate	8 - 8
GP-511	M-760	1	Lower Housing	8 - 10
GP-512	M-761	1	Base Plate	8 - 8
GP-513	M-763, Q20-00868	2	Spindle Stop W/Set Plug	0 - 1
GP-514	EC-518, Q9-00510	4	T-Head Bolt, 3/8"-16x1-1/16 & Nut	0 - 1
GP-515	GE-105, Q6-00317	2	Collar W/Set Screw	0 - 3
GP-516	Q2-01119	16	Soc. Hd. Screw, 5/16-18x1-1/2	0 - 1
GP-517	Q6-00309	2	Soc. Set Screw, 1/4-20x1/4	0 - 1/2
GP-518	Q6-00317	2	Soc. Set Screw, 3/8-16x3/8	0 - 1/2
GP-519	Q6-01439	4	Soc. Set Screw, 1/4-20x3/8	0 - 1/2
GP-520	Q14-00782	4	Oilless Bushings, 7/8x3/4x5/8	0 - 1
GP-521	Q15-00932	1	Snap Ring - 3/4" Shaft	0 - 1/2
GP-522	Q19-00624	1	Grease Fitting, 1/8" N.P.T..	0 - 1/2
GP-523	Q20-00868	1	Pipe Plug, Hex. Soc., 1/8" P.T.	0 - 1/2

CHANGE	DESCRIPTION	DATE	BY

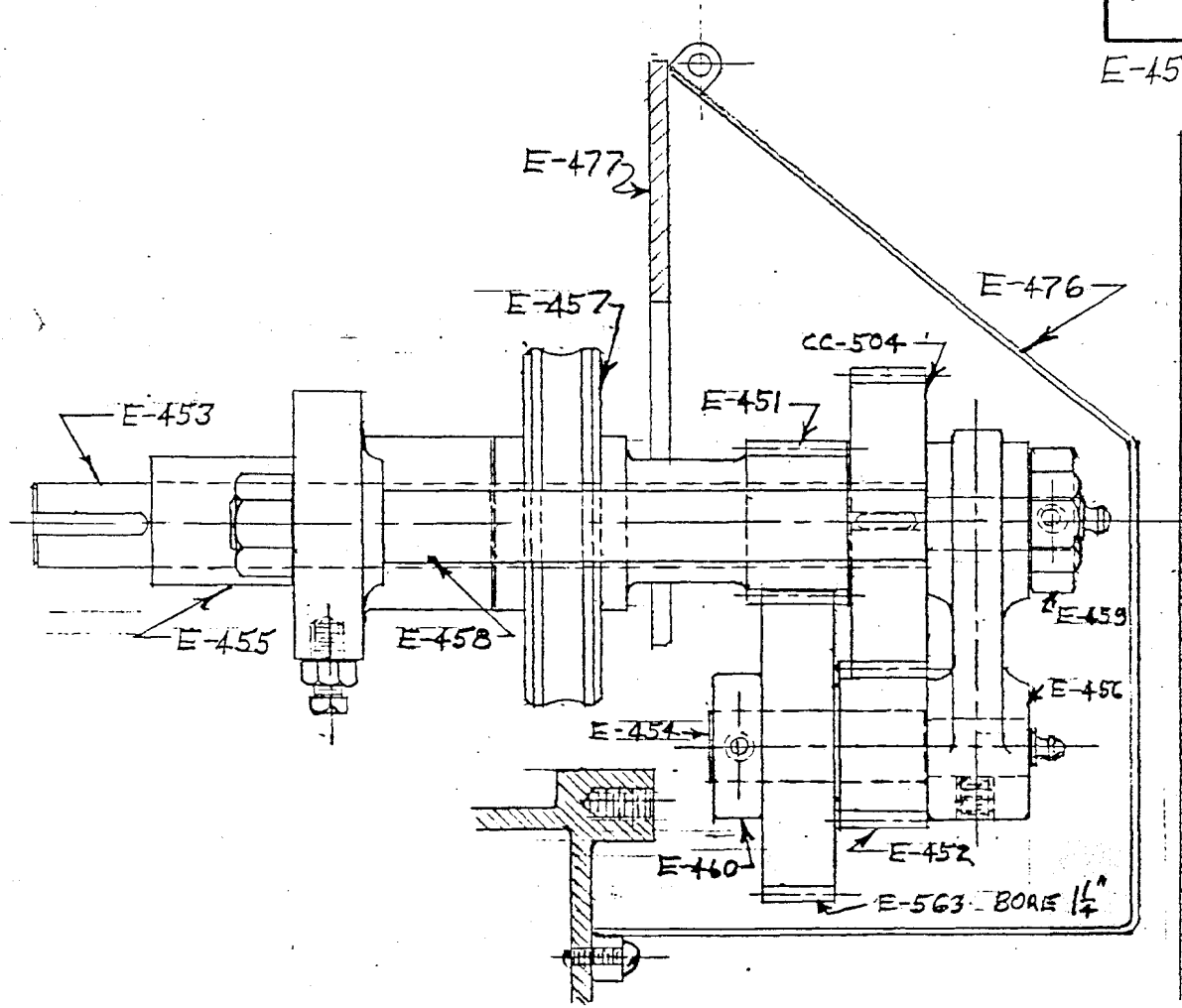
MAT'L	PAT. NO.	DRAWN BY G.L.
WT.	ASSEMBLY E-450	CHECKED
NO. REQ'D.		DATE 1-3-85
	B.M.	SCALE 1/2

DR'G. NO. E-560

SIMPLEX BACK GEAR

LOGAN ACTUATOR CO.
CHICAGO, ILL. 60630

E-450 DWG. IS FULL SIZE



SIMPLEX BACK GEAR

DWG.#	QTY.	DESCRIPTION
E-451	1	GEAR & QUILL, 18T, 12 D.P., BRZ.
E-452	1	GEAR, 18T, 12 D.P., BRZ
E-453	1	DRIVE SHAFT (SEE GEAR COMB. LIST)*
E-454	1	COUNTERSHAFT
E-455	1	SHAFT BRG. W/ADJ. SCR. & NUT Q6-02548, Q9-00518
E-456	1	OUTER SUPPORT, W/SET SCR. Q6-02354
E-457	1	WORM WHEEL (SELECT R.H. OR L.H.
E-458	2	DISTANCE PIECE W/NUT Q9-00727
E-459	1	COLLAR W/SET SCR. Q6-02354
E-460	1	COLLAR W/SET SCR. Q6-02354
E-476	1	HOUSING
E-477	1	BACK COVER
CC-504	1	GEAR, 36T., 12 D.P.
E-563	1	GEAR, 36T., 12 D.P. X 1¼" BORE

*FOR GEAR COMB.	USE SHAFT#
#12	
#13	
#14	
#15	E-531

STANDARD GEAR COMBINATION "T" VALUE × 4

FRACTIONAL DIMENSIONS ± 1/64
UNLESS OTHERWISE SPECIFIED

NO. PER UNIT	DESCRIPTION

85018

LOGAN ACTUATOR CO.
550 Chippewa Rd.
Harvard Illinois 60033
USA
http://www.loganact.com