PARTS CATALOG

For

MODEL D LOGAN-LILLY HOIST CONTROLLER

SUPERSEDES PARTS CATALOGS D-49 AND 610901

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. Whenever solenoids or electric coils are involved, be sure to specify the current characteristics; i.e.; voltage and frequency.
8. Reference to Serial Number of machine will assist in selection of parts and maintenance of records.
9. Serial number references may not fully apply if machine has been factory rebuilt and updated.

Manufactured by

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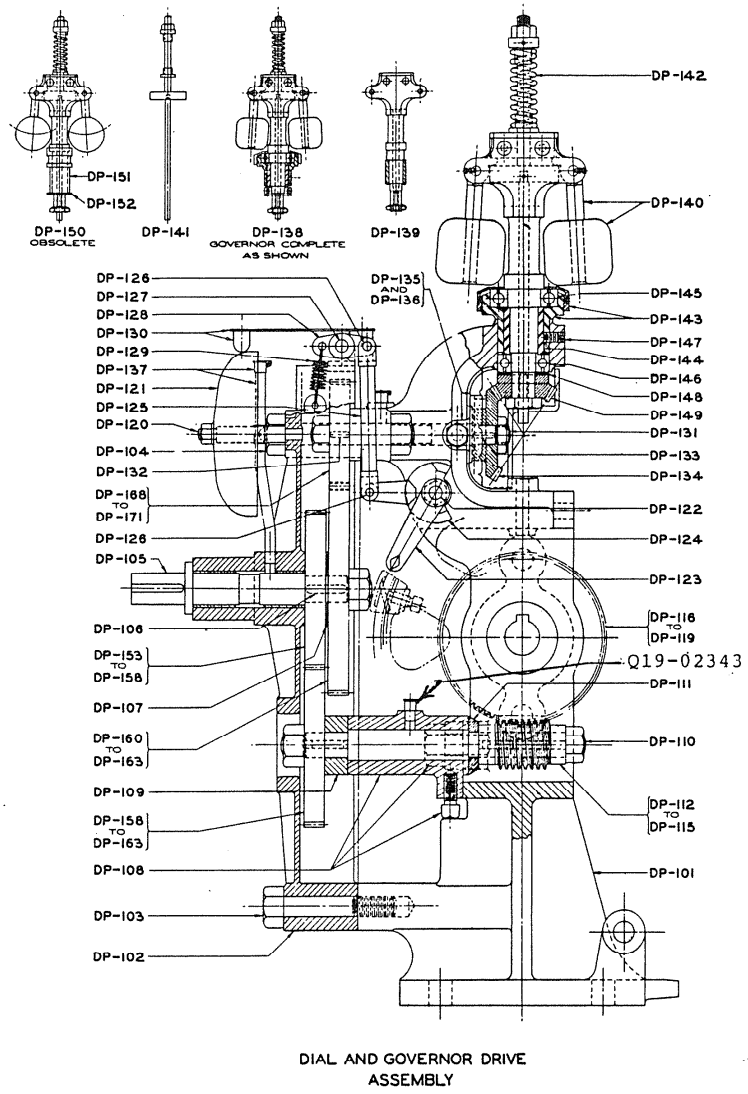


DIAL AND GOVERNOR DRIVE ASSEMBLY

Fig. 1 Drg. DP-D-2153

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-101	D-1270, Q19-02343	1	Frame for Ball Bearing Governor See Note* w/Oil cups	22 - 0
DP-102	AD-602 & Q14-00617	1	Gear Guard W/Bushings	8 - 0
DP-103	OD-607	1	Turned Bolt for Gear Guard, Lower	0 - 4
DP-104	ND-607 & Q9-00727	2	Turned Bolt with Nut for Gear Guard, Upper	0 - 6

* NOTE REGARDING DP-138, DP-139 and DP-144:

Governor Heads for Serial Numbers 3213 through 4806 use Spacer D-1274. DP-138 used after Serial Number 3212. Installation of DP-138 requires enlarging the bore size of the frame if converting from older obsolete DP-150 Sleeve Bearing Governor, prior to Serial Number 3213.

DIAL AND GOVERNOR DRIVE ASSEMBLY

Fig. 1 Drg. DP-D-2153

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
DP-105	AGD-607, Q12-00891 & Q9-00519	1	Drive Shaft W/ Key DP-106 and Nut	0	12
DP-106	Q12-00891	1	Woodruff Key for Drive Shaft	0	1
DP-107	AFD-607	1	Gear Spacer for Drive Shaft	0	1
DP-108	BD-601, Q1-00066 & Q6-02559	1	Worm Shaft Bearing W/ 2 Cap Screws and 1 Adjusting Screw	1	9
DP-109	BKD-607	1	Thrust Collar	0	3
DP-110	AMD-607, Q12-00891 & Q9-00519	1	Worm Shaft W/ 2 Keys and Nuts	0	14
DP-111	FC-517	1	Thrust Collar	0	1
DP-112	D-2029	1-Inter-Changeable See Gear Table	Worm Single Thread R.H.	0	5
DP-113	D-2031		Worm Double Thread R.H.	0	5
DP-114	D-2030		Worm Single Thread L.H.	0	5
DP-115	D-2032		Worm Double Thread L.H.	0	5
DP-116	D-2025		Worm Wheel Single Thread R.H.	2	0
DP-117	D-2027		Worm Wheel Double Thread R.H.	2	0
DP-118	D-2026		Worm Wheel Single Thread L.H.	2	0
DP 119	D-2028		Worm Wheel Double Thread L.H.	2	0
DP-120	D-2141 & Q9-02494	1	Gong Post and Nut Order W/DP-121	0	2
DP-121	D-1455	1	Gong Order W/DP-120	0	8
DP-122	ZD-607, Q11-00845 & Q9-02494	1	Gong Trip Stud with Cotter and Nut		
DP-123	ED-606	1	Gong Trip	0	3
DP-124	FD-606	1	Lever	0	3
DP-125	KD-606	1	Connecting Link	0	2
DP-126	TC-518&Q11-02445	2	Pin 3/16" and Cotter	0	1
DP-127	VD-607, Q10-00985, Q11-00846 & Q9-02494	1	Striker Hub Stud, Washer, Cotter and Nut	0	3
DP-128	JD-606	1	Striker Hub	0	4
DP-129	Q26-02826	1	Tension Spring 1 1/4" long	0	1
DP-130	CC-509 & ACD-607	1	Striker Leaf and Hammer	0	1
DP-131	AHD-607, D-1806, Q12-0064, Q9-00532 & Q9-00531	1	Countershaft W/ 2 Keys and Nuts BUSHINGS Q14-02718 ON REBUILDS 0.628 X 0.500 X 1.000	0	9
DP-132	Q12-00640	1	Woodruff Key for ctrshaft Spur Gear	0	1
DP-133	D-1806	1	Key for Bevel Gear	0	1
DP-134	SD-604	1	Bevel Gear 36T, 16 D.P (must be ordered W/DP-149 as pair)	0	7
DP-135	ND-606&Q1-00002	1	Gear Guard R.H. W/ Cap Screw	0	6
DP-136	OD-606&Q1-00002	1	Gear Guard L.H. W/ Cap Screw	0	6
DP-137	Q19-02343, C-609, Q20-02731 & Q4-00762	Set	5 Oil Cups, One W/ Oil Tube, Clip and Rd. Hd. Screw	0	1
DP-138	D-2121	1	Ball Bearing Type Governor Assembly Complete W/ Sleeve and Bearings	4	5
DP-139	D-2122, D-658, Q4-00498, FD-625, D-1276 & D-2123	1	Governor Head and Block Assembled with Screws, Bottom Nut, Key and Spacer	1	3
DP-140	D-2156, ED-607 & FD-607	Pr.	Governor Weights W/ Pivot Pins and Locking Set Screws	1	12
DP-141	D-2340, D-2339 D-665, Q9-00530 & D-664	1	Governor Stem, Spindle W/ Round Nut, Lock Nut and Spring Spacer	0	5
DP-142	D-663-1	1	Governor Spring	0	1
DP-143	D-1272&D-1273-1	1	Sleeve and Nut	0	8
DP-144	D-2123	1	Bearing Spacer	0	3
DP-145	Q13-02457	1	Upper Bearing	0	3
DP-146	Q13-02458	1	Lower Bearing	0	1
DP-147	Q6-00310	1	Sleeve Set Screw	0	1

DIAL AND GOVERNOR DRIVE ASSEMBLY

Fig. 1 Drg. DP-D-2153

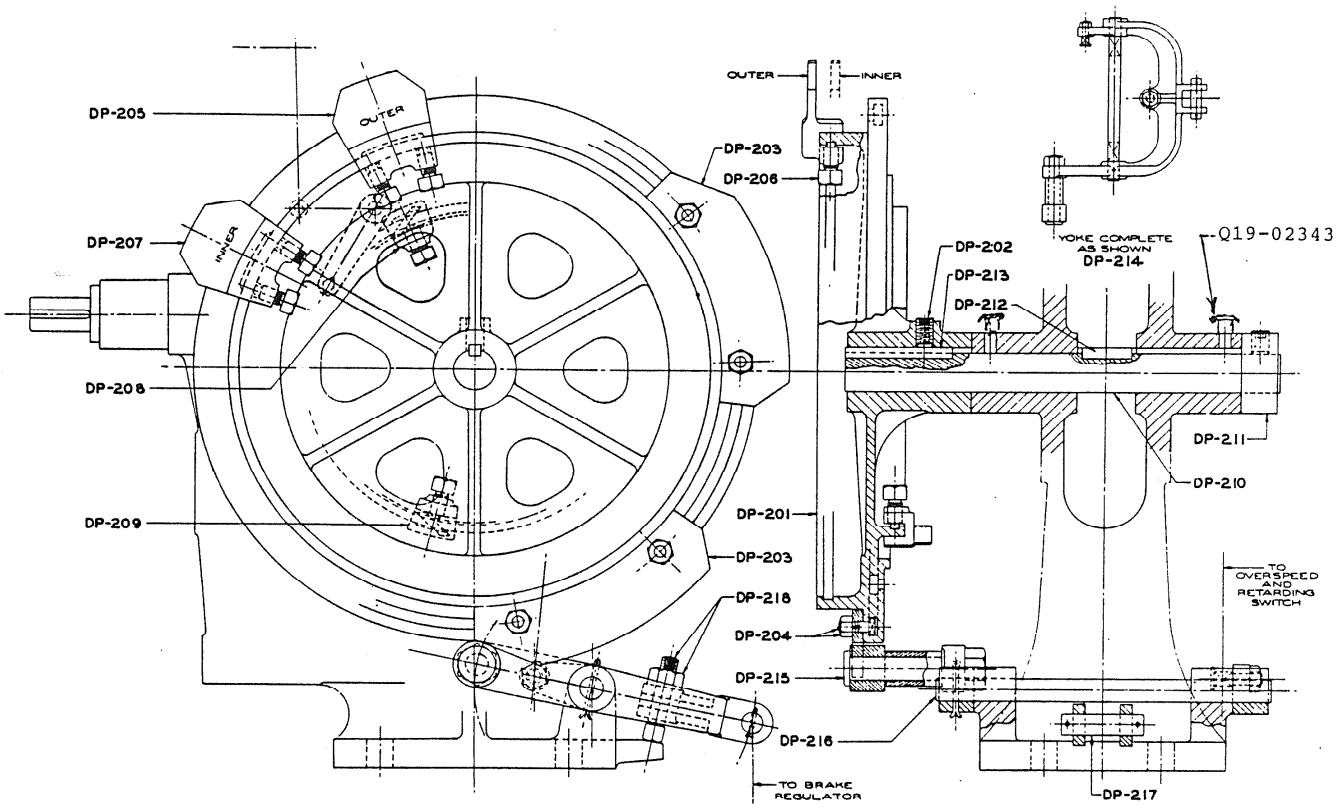
Catalog No.	Logan Drg. No.	Quan. Req'd	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-148	D-1275	1	Washer	0 - 1
DP-149	RD-604	1	Bevel Pinion 24T, 16 D.P. must be ordered W/ DP-134 as pair	0 - 3
DP-150	D-666	1	Governor Assembled Complete as shown, Obsolete Special for Repairs Only (Plain Bearing Type)	3 - 4
DP-151	AD-607	1	Bushing Obsolete for Repairs Only	0 - 5
DP-152	BMD-607	1	Steel Washer, Hardened, Obsolete, for Repairs Only (Use DP-148)	0 - 1
DP-153	AD-604	Set of 4 Gears, 16 D.P. from Drive Shaft to Countershaft or Drive Shaft to Worm Shaft (Teeth Total 120)	20T Spur Gear 5/8" Hole	0 - 2
DP-154	BD-604		24T Spur Gear 5/8" Hole	0 - 3
DP-155	CD-604		30T Spur Gear 5/8" Hole	0 - 5
DP-156	DD-604		40T Spur Gear 5/8" Hole	0 - 10
DP-157	ED-604		50T Spur Gear 5/8" Hole	0 - 11
DP-158	FD-604		60T Spur Gear 5/8" Hole	1 - 0
DP-159	GD-604		70T Spur Gear 5/8" Hole	1 - 2
DP-160	HD-604		80T Spur Gear 5/8" Hole	1 - 5
DP-161	ID-604		90T Spur Gear 5/8" Hole	1 - 8
DP-162	JD-604		96T Spur Gear 5/8" Hole	1 - 12
DP-163	KD-604		100T Spur Gear 5/8" Hole	1 - 14
DP-164	WD-604		16T Spur Gear 5/8" Hole (Special)	0 - 2
DP-165	D1286		36T Spur Gear 5/8" Hole (Special)	0 - 8
DP-166	D-661		84T Spur Gear 5/8" Hole (Special)	1 - 7
DP-167	TD-604		104T Spur Gear 5/8" Hole (Special)	2 - 0
DP-168	LD-604		20T Governor Shaft Spur Gear 7/16" Hole	0 - 4
DP-169	MD-604		24T Governor Shaft Spur Gear 7/16" Hole	0 - 4
DP-170	ND-604		30T Governor Shaft Spur Gear 7/16" Hole	0 - 6
DP-171	OD-604		40T Governor Shaft Spur Gear 7/16" Hole	0 - 10
DP-172	D-662		36T Governor Shaft Spur Gear 7/16" Hole (Special)	0 - 8

*NOTE

Reference DP-101.
Frame, Drg. AD-601, for Plain bushing type governor no longer available. AD-601 can be rebored at the factory during rebuilding to take the ball bearing governor DP-138.

GEAR COMBINATIONS FOR MODEL "D" CONTROLLER

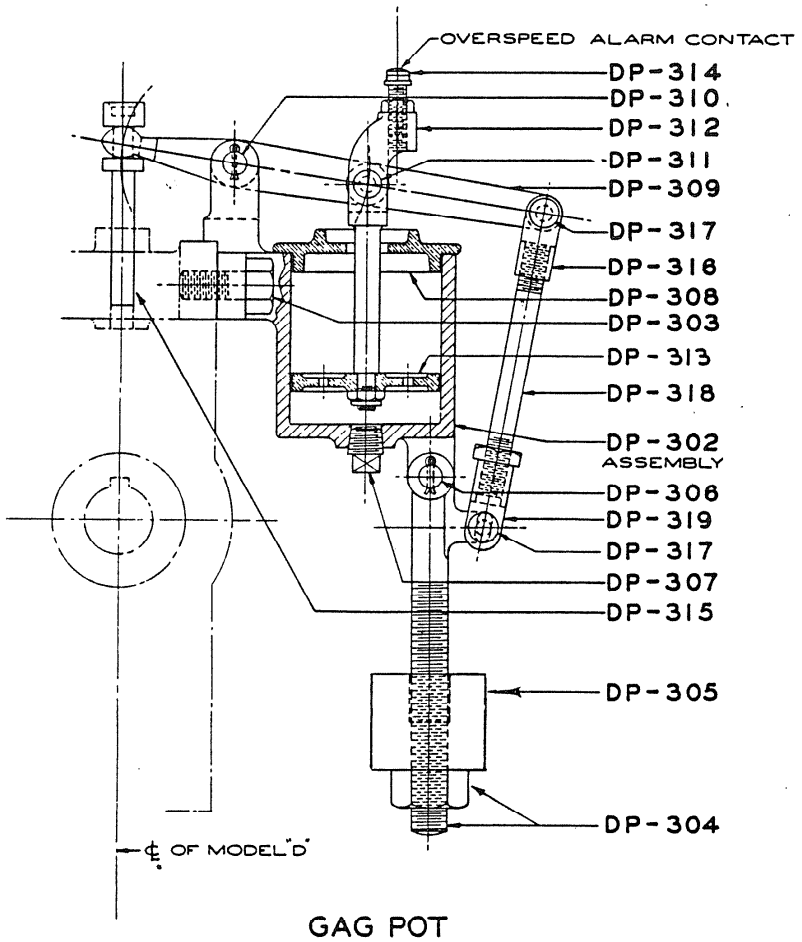
	GOV. SHAFT FROM DRIVE SHAFT				DRIVE SHAFT TO WORM SHAFT				
COMB. NO.	TEETH 7/16" Hole		TEETH 5/8" Hole		TEETH 5/8" Hole		TEETH 5/8" Hole		WORM AND WHEEL
1	DP-171	40	DP-160	80	DP-158	60	DP-158	60	Dbl R.H. or L.H.
2	DP-171	40	DP-160	80	DP-157	50	DP-159	70	" " " "
3	DP-171	40	DP-160	80	DP-158	60	DP-158	60	Sgl R.H. or L.H.
4	DP-171	40	DP-160	80	DP-157	50	DP-159	70	" " " "
5	DP-171	40	DP-160	80	DP-156	40	DP-160	80	" " " "
6	DP-171	40	DP-160	80	DP-155	30	DP-161	90	" " " "
7	DP-171	40	DP-160	80	DP-154	24	DP-162	96	" " " "
8	DP-171	40	DP-160	80	DP-153	20	DP-163	100	" " " "
9	DP-170	30	DP-161	90	DP-154	24	DP-162	96	" " " "
10	DP-170	30	DP-161	90	DP-153	20	DP-163	100	" " " "
11	DP-169	24	DP-162	96	DP-153	20	DP-163	100	" " " "
12	DP-168	20	DP-163	100	DP-153	20	DP-163	100	" " " "
If Using Special Combinations	Min. 20 Teeth Max. 42 Teeth		Min. 78 Teeth Max. 100 Teeth		Min. 16 Teeth Max. 104 Teeth		Min. 16 Teeth Max. 104 Teeth		



DIAL AND CAMS

Fig. 2 Drg. DP-D-1251

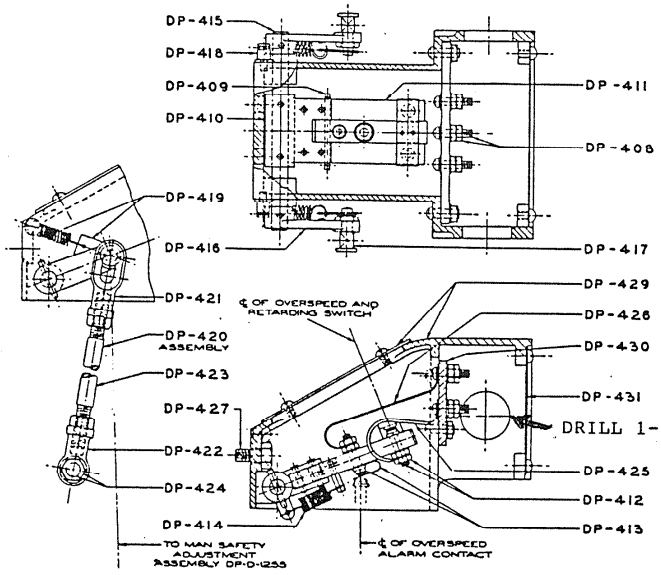
Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-201	AD-603 & Q6-02324	1	Cam Dial W/ Set Screw	17 - 5
DP-202	Q6-02324	1	Set Screw	0 - 1
DP-203	AD-606	2	Retarding Cam	0 - 7
DP-204	PD-607 & Q9-00508	4	Clamping Bolt and Nut	0 - 1
DP-205	CD-606 & BCD-607	1	Outer Limit Cam W/ 2 Set Screws	0 - 9
DP-206	BCD-607	6	Set Screw 5/16"-18 x 5/8" Dog Point	0 - 1
DP-207	DD-606 & BCD-607	1	Inner Limit Cam W/ 2 Set Screws	0 - 9
DP-208	GD-606 & BCD-607	1	Gong Trip Cam W/ Set Screw	0 - 3
DP-209	HD-606 & BCD-607	1	Gong Trip Cam W/ Set Screw	0 - 3
DP-210	AJD-607, D-1805 & D-1804	1	Dial Shaft W/ Keys for Worm Wheel and Dial	0 - 12
DP-211	DD-603 &Q6-02324	1	Collar W/ Set Screw	0 - 7
DP-212	D-1805	1	Key for Worm Wheel	0 - 1
DP-213	D-1804	1	Key for Dial	0 - 1
DP-214	D-2024	1	Yoke W/ Shaft, Pins, Nuts, Roller, Distance Piece and Adjusting Stop	3 - 4
DP-215	QD-607, BC-518 HD-607 & Q9-00511	1	Roller Pin W/ Roller, Distance Piece and Nut	0 - 8
DP-216	ALD-607&Q1100843	1	Yoke Shaft with Cotter	0 - 7
DP-217	XD-607&Q11-00841	1	Pin with Cotters	0 - 2
DP-218	Q6-00360&Q9-00508	1	Set Screw W/ Lock Nut	0 - 1



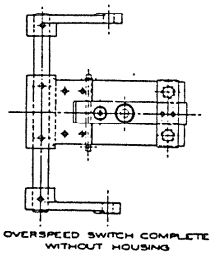
GAG POT
ASSEMBLY

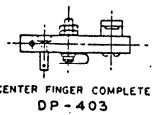
Fig. 3 Drg. DP-D-1252

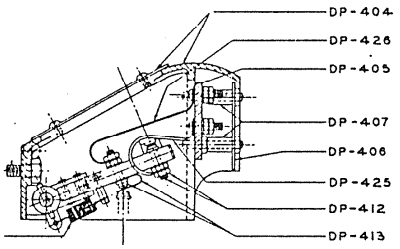
Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-301	D-1252	1	Gag Pot Assembly Complete as shown	4 - 9
DP-302	BD-602, Q1-00035 &Q20-01117	1	Gag Pot W/ 2 Cap Screws and Pipe Plug	2 - 6
DP-303	Q1-00035	2	Cap Screw	0 - 1
DP-304	SD-605 & Q9-00727	1	Counterweight Arm W/ Lock Nut	0 - 6
DP-305	D-2133	1	Counterweight	1 - 2
DP-306	D-2187 & Q11-00845	1	Counterweight Arm Pin with Cotters	0 - 1
DP-307	Q20-01117	1	Pipe Plug 1/8" (for Gag Pot)	0 - 1
DP-308	CD-602	1	Cover	0 - 5
DP-309	TD-605	1	Rocker Arm	0 - 5
DP-310	D-2187 & Q11-00845	1	Rocker Arm Pin with Cotter	0 - 1
DP-311	BDD-607 & Q11-02445	1	Pin with Cotter	0 - 1
DP-312	BD-602 & Q9-01156	1	Piston Rod W/ Nut	0 - 4
DP-313	ED-602	1	Piston	0 - 3
DP-314	BS-871 & Q9-02107	1	Governor Contact Screw W/ Nut	0 - 1
DP-315	BD-607	1	Governor Stem	0 - 2
DP-316	JD-605	1	Forked Head	0 - 1
DP-317	PC-518 &Q11-02445	2	Pin and Cotter	0 - 1
DP-318	D-668 & Q9-00751	1	Connecting Rod W/ Lock Nut	0 - 2
DP-319	D-667	1	Slotted Head	0 - 2



OVERSPEED SWITCH







Obsolete Switchbox used on Serial Numbers prior to #4982. See Note.

Fig. 4 Drg. DP-D-2207

FOR SPECIAL COMBINATION SWITCH, SEE DP-D-1960

Catalog No.	Drawing No.	Quan. Req'd	Description	Approx. Net Wgt. Lb. Oz.
*DP-401	D-1253	1	Overspeed Switch Complete (See Note)	4 - 14
DP-402	D-1991	1	Overspeed Switch Complete W/Shaft & Arm & Silver Contacts, W/O Housing	0 - 14
DP-403	D-1992	1	Center Finger Complete W/Silver Contacts, Bell Contact Screw & Spring Post	0 - 2
*DP-404	CD-605, D-1088, LD-607 & Q4-00492	1	Housing W/Top Cover Plate (See Note)	4 - 0
*DP-405	ND-605, OD-605, BJD-607, Q4-00472 & Q9-00507	1	Terminal Board W/Cover (See Note)	0 - 5
*DP-406	OD-605	1	Cover for Terminal Board (See Note)	0 - 1
*DP-407	BJD-607, Q4-00472 & Q9-00507	4	Distance Piece with Screw and Nut (See Note)	0 - 1
DP-408	Q4-00496, Q9-00534 & Q10-00996	3	Terminal Screw with Nuts and Washers	0 - 1
DP-409	AED-607 & Q11-02445	1	Pin and Cotters	0 - 1
DP-411	ED-605 & Q11-00580	2	Switch Finger with Rivets	0 - 1
DP-412	AS-871, Q9-00534 & Q10-00996	2	Contact Screw with Nuts and Washers, Silver	0 - 1
DP-413	YD-605 & AS-871	1	Bell Contact Leaf with Contact Screw	0 - 2
DP-414	WD-605-DS (Q26-02792)	1	Spring for Center Finger	0 - 1
DP-416	RD-605 & Q11-00856	2	Crank with Taper Pins	0 - 1
DP-417	WD-607 & D-1204	2	Shoulder Pin W/Nut	0 - 1
DP-418	LD-607	2	Spring Pin	0 - 1
DP-419	Q26-02826 & D-1932	2	Spring W/Link	0 - 2
DP-420	BBD-607, Q9-02494 HD-605 & KD-605	1	Rod with Nuts, Slotted Head and Plain Head	0 - 10
DP-421	HD-605	1	Slotted Head	0 - 2
DP-422	KD-605	1	Plain Head	0 - 2
DP-423	BBD-607 & Q9-02494	1	Rod with Nuts	0 - 6
DP-424	MD-607 & Q9-00508	1	Shoulder Pin W/Nut, Lower	0 - 1
DP-425	D-1978	2	Flexible Leads, 6" Rubber Covered	0 - 1
DP-426	D-1979	1	Bell Lead, 6"	0 - 1
DP-427	Q1-00017	2	Hex. Hd. Cap Screw	0 - 1
DP-428	D-2207	1	Overspeed Switch Complete w/Housing & Silver Contacts	5 - 0
DP-429	CD-605, D-1088, LD-607 & Q4-00492	1	Housing W/Top Cover Plate, Spring Pins and Rd. Hd. Screws	4 - 4
DP-430	ND-605	1	Terminal Board	0 - 2
DP-431	D-2208	1	Cover for Terminal Board	0 - 3

* NOTE: DP-401, and DP-404 thru DP-407 are for machines previous to Serial No. 4982 (except for Serial No. 4988) as shown on Parts Sheet 740607. Otherwise use superceding parts DP-428 through DP-431.

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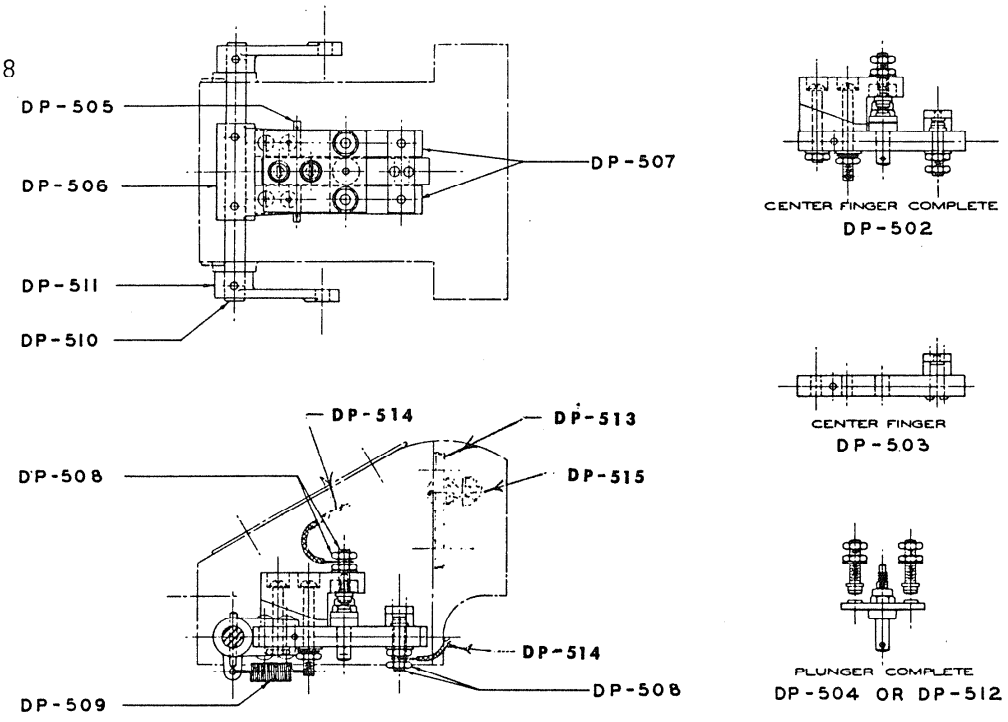


COMBINATION SWITCH

Fig. 5 Drg. DP-D-1960

FOR STANDARD OVERSPEED SWITCH, SEE DP-1253

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-501	D-1960	1	Combination Switch W/ Shaft, Arms and Silver Contacts	1 - 2
DP-502	D-1993	1	Center Finger Complete W/ Support Block, Plunger and Contact Screws (Silver)	0 - 7
DP-503	D-1994	1	Center Finger W/ Silver Contacts	0 - 2
DP-504	D-1995	1	Plunger Complete W/ 2 Contact Screws (Silver), Nuts and Washers (See Note*)	0 - 3
DP-505	AED-607 & Q11-02445	1	Pin and Cotters	0 - 1
DP-506	D-1968, ED-605 & Q11-00850	1	Switch Hub W/ 2 Fingers and Taper Pins	0 - 2
DP-507	ED-605 & Q11-00580	2	Switch Finger W/ Rivets	0 - 1
DP-508	AS-871, Q9-00534 & Q10-00996	4	Contact Screws W/ Nuts and Washers, Silver Contacts	0 - 2
DP-509	WD-605-DS	1	Spring for Center Finger	0 - 1
DP-510	AKD-607	1	Switch Shaft	0 - 2
DP-511	RD-605 & Q11-00856	2	Crank W/ Taper Pin	0 - 1
DP-512	D-1999	1	Plunger Complete W/ 2 Contact Screws (Silver), Nuts and Washers	0 - 3
DP-513	FD-1139	1	Terminal Board	0 - 2
DP-514	D-1978	4	Flex. Leads	0 - 1
DP-515	Q4-00496, Q9-00534 Q10-00996	4	Terminal Screws, Nuts, Washers	0 - 1

Note: For Plunger assembly used on Controllers thru Serial No. 4217 see DP-512.
For housing see DP-404 Fig. 4.

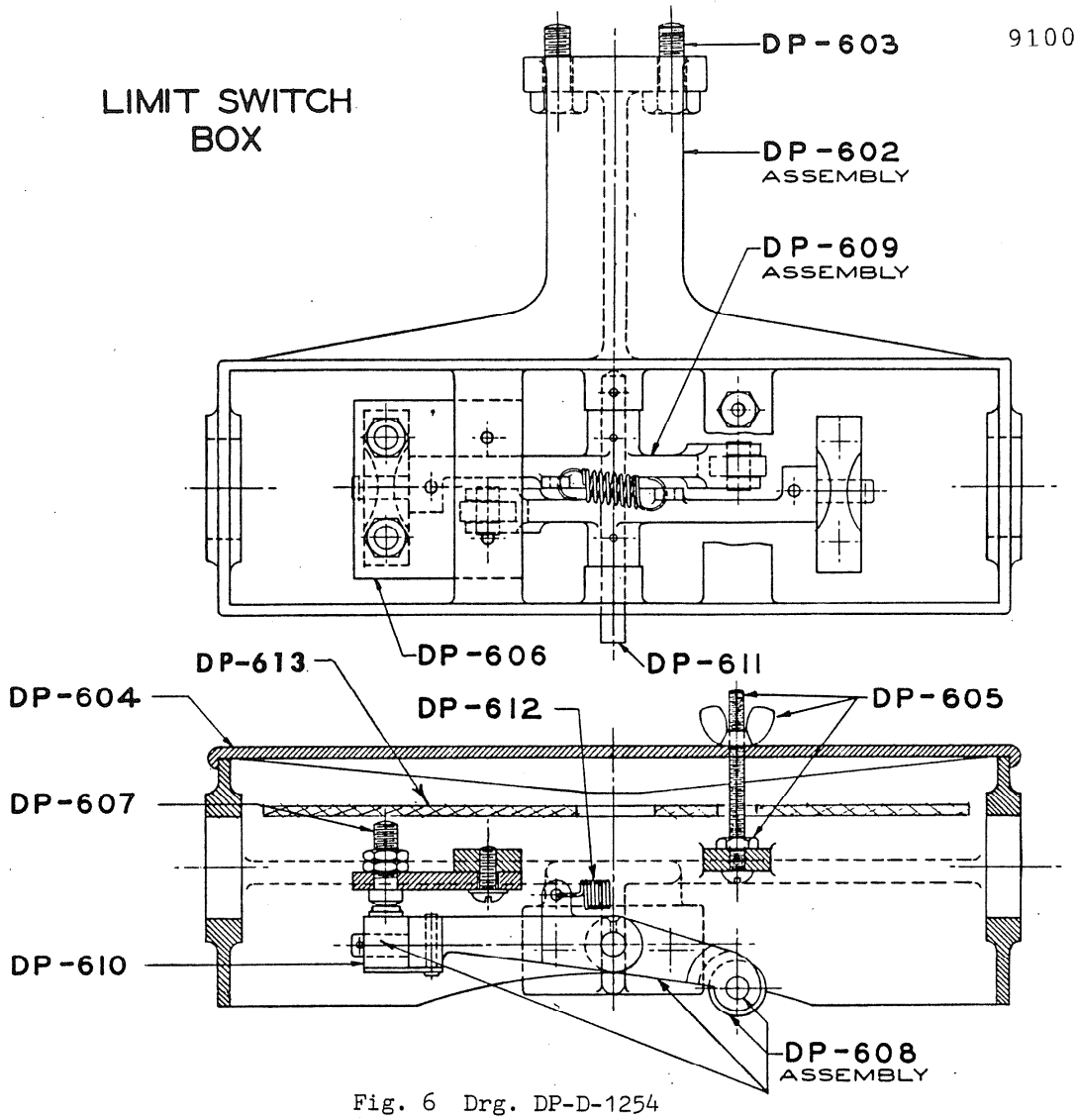
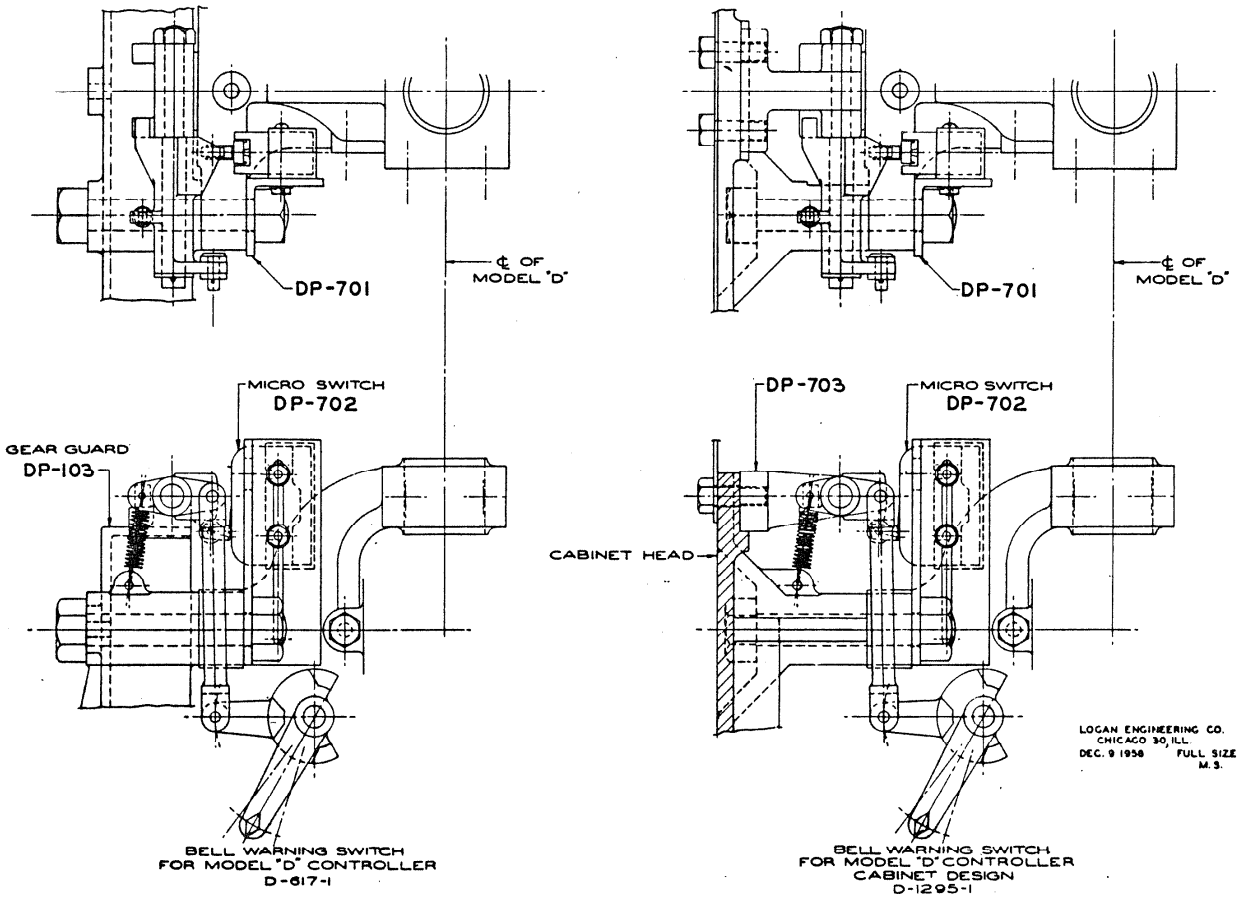


Fig. 6 Drg. DP-D-1254

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb.	Oz.
DP-601	D-1254	1	Limit Switch Complete with Housing, Cover, Mounting Bolts and Silver Contacts	5 -	8
DP-602	AD-627, BD-627, Q4-00474, Q9-00507, Q9-00608&ABD-607	1	Limit Switch Housing W/ Cover, Rd. Hd. Screw, Nuts and Pin DP-611	5 -	8
DP-603	Q1-00018	2	Cap Screw	0 -	1
DP-604	BD-627	1	Limit Switch Cover	1 -	3
DP-605	Q4-00474, Q9-00507 & Q9-00608	1	Round Head Screw W/Nuts	0 -	1
DP-606	LD-605-1 & Q4-00466	2	Contact Plate W/Rd. Hd. Screws	0 -	1
DP-607	BS-871&Q9-02107	4	Contact Screws, Silver W/ Nuts	0 -	1
DP-608	MD-605, RD-607, SD-607, S-875, S-872 S-873, & Q11-00580	2	Limit Switch Arm, Roller, Pin and Contact Block, Silver Contacts, Keeper and Rivet	0 -	6
DP-609	MD-605, ZD-605, Q11-00580, RD-607 & SD-607	2	Limit Switch Arm, Keeper, Rivet, Roller and Pin	0 -	5
DP-610	S-875-A	2	Contact Block W/ Silver Contacts	0 -	2
DP-611	ABD-607&Q11-00847	1	Pin 1/4", and Cotter	0 -	1
DP-612	XD-605	1	Tension Spring 7/8" Long	0 -	1
DP-613	D-2265	1	Contact Guard	0 -	1



BELL WARNING SWITCH

Fig. 7 Drg. DP-D-1985

Catalog No.	Logan Drg. No.	Quan. Req'd	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-701	D-1986	1	Bracket	0 - 6
DP-702	Q16-02024, Q16-02545, Q4-02560, Q9-00536 & Q10-00977	1	Micro Switch W/ Cover and W/ 2 Rd. Hd. Screws, Nuts and Washers	0 - 2
DP-703	D-1987 & Q1-00019	1	Bracket W/ 2 Hex. Cap Screws (for Cabinet Model "D Only)	0 - 9

CAT. NO	DP-801 SINGLE	DP-802 DOUBLE
DP-803	1	1
DP-805	1	1
DP-806	1	1
DP-807	1	1
DP-810	1	1
DP-811	1	1
DP-812	1	1
DP-813	1	1
DP-814	1	2
DP-816	2	2
DP-817	1	1
DP-818	1	0
DP-819	0	1
DP-820	2	2
DP-821	4	2
DP-822	0	2

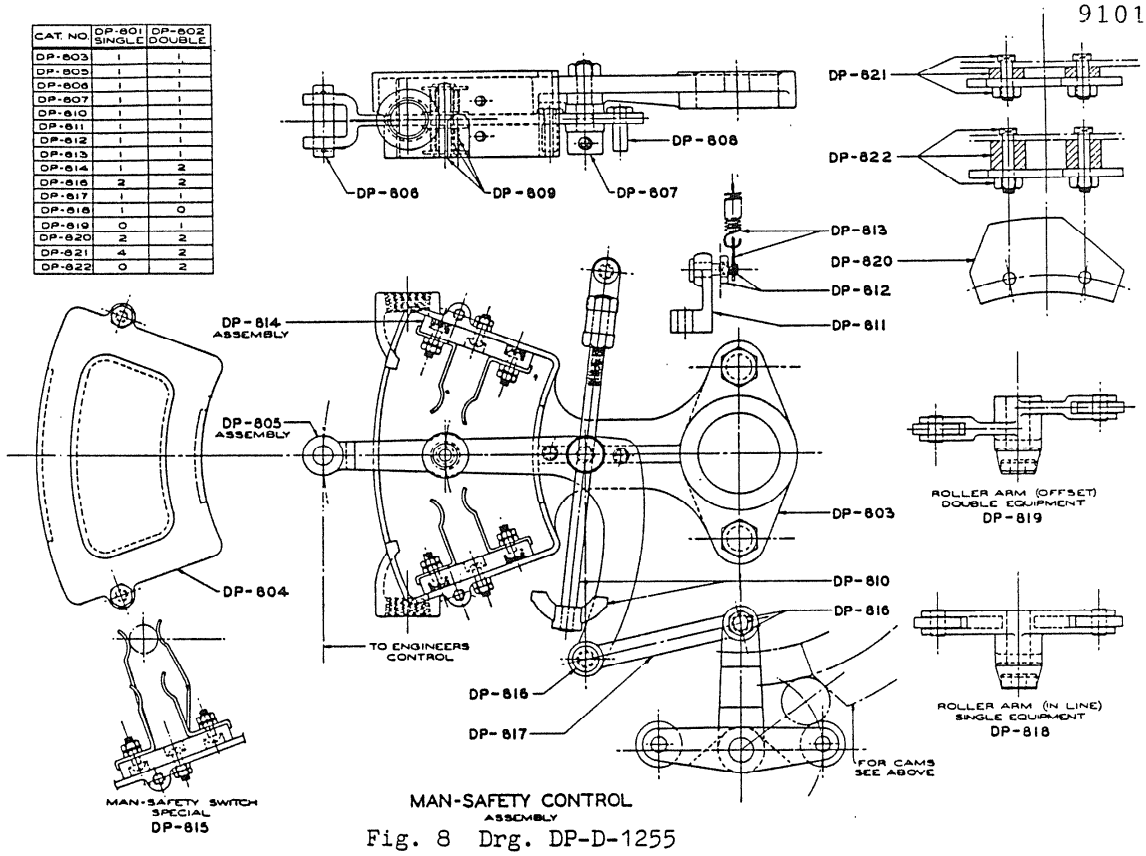


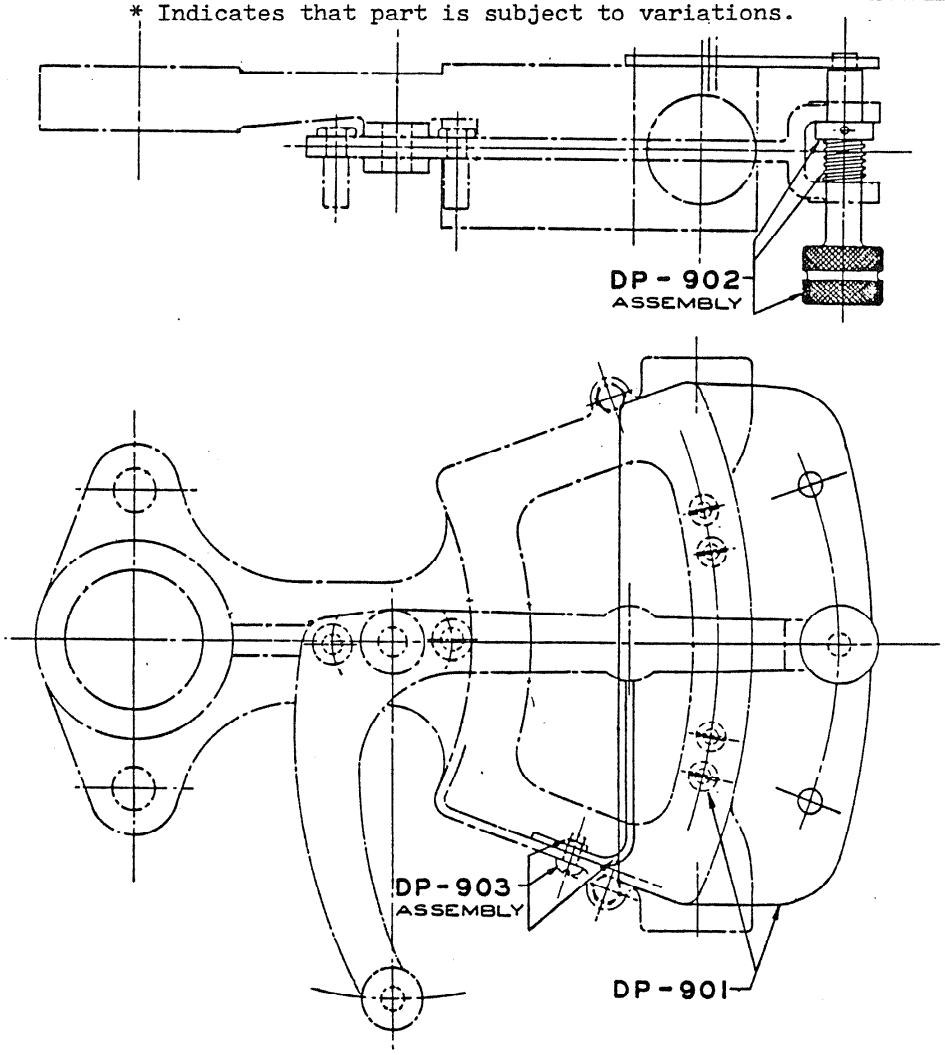
Fig. 8 Drg. DP-D-1255

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net Wgt. Lb. Oz.
DP-801	D-1255-A	1	Man-Safety Equipment Complete W/Cams in Line and Single Light Switch	10 - 12
DP-802	D-1255-B	1	Man-Safety Equipment Complete W/ Offset Cams and Double Switch	10 - 12
DP-803	AD-608, BD-608, Q1-00066 & Q1-00002	1	Switch Box and Cover, W/ 2 Cap Screws and Cover Screws	5 - 14
DP-804	BD-608&Q1-00002	1	Switch Box Cover W/ 2 Cover Screws	1 - 5
DP-805	D-2188	1	Bell Crank Complete with Contact Sleeves, Stop Pins, Nuts and Cotters	1 - 6
DP-806	D-818&Q11-00846	1	Pin with Cotters	0 - 2
DP-807	AND-607&Q9-00509	1	Guide Pin and Nut	0 - 2
DP-808	ASD-607&Q9-00520	2	Stop Pin and Nut	0 - 1
DP-809	BED-607, AUD-607, LD-608, KD-608 & MD-608	1	Contact Sleeve, Rivet Pin, Insulating Bushing and Washers	0 - 2
DP-810	AQD-607, ED-608 & Q9-00509	1	Adjusting Rod with T-Head and 2 Nuts	0 - 5
DP-811	DD-608	1	Head	0 - 2
DP-812	WD-607&Q9-00520	1	Pin W/ Nut	0 - 1
DP-813	Q26-02826&D-1932	1	Spring W/ Link	0 - 1
DP-814	D-1998	1 or2	Man-Safety Switch W/ Base, 4 Switch Fingers, Rd. Hd. Screws, Nuts & Washers	0 - 4
DP-815	D-1136	1	Man-Safety Switch (Special) W/ Base, Short & Long Switch Fingers, Rd. Hd. Screws, Nuts and Washers	0 - 4
DP-816	AOD-607&Q9-00509	2	Shoulder Pin W/ Nut	0 - 1
DP-817	JD-608	1	Connecting Link	0 - 3
*DP-818	ND-608, APD-607 & ARD-607	1 or DP-819	Roller Arm in Line W/ 2 Rollers and Pins	0 - 13
*DP-819	HD-608, APD-607 & ARD-607	1 or DP-818	Roller Arm Offset W/ 2 Rollers and Pins	0 - 12
*DP-820	BD-606	2	Cam for Man-Safety	0 - 5

* Indicates that part is subject to variations

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
*DP-821	AYD-607, AXD-607 & Q8-00508	2 or 4	Cam Bolt W/ Spacer and Nut	0 - 1
*DP-822	ATD-607, AWD-607 & Q9-00508	2	Cam Bolt W/ Spacer and Nut	0 - 2

* Indicates that part is subject to variations.



MAN-SAFETY CONTROL HANDLE AND QUADRANT

Fig. 9 Drg. DP-D-654

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-901	CD-629 & Q5-02365	1	Quadrant Plate W/ 4 Fl. Hd. Screws	1 - 12
DP-902	AD-629, BD-629, ED-629 & Q11-00850	1	Plunger W/ Collar, Taper Pin and Spring	0 - 6
DP-903	DD-629, Q4-00465 & Q9-00507	1	Stop W/ 2 Rd. Hd. Screws and Nuts (Used with Single Light Switch Only)	0 - 2
DP-904		1 set	DP-901, DP-902 & DP-903 Complete	2 - 4

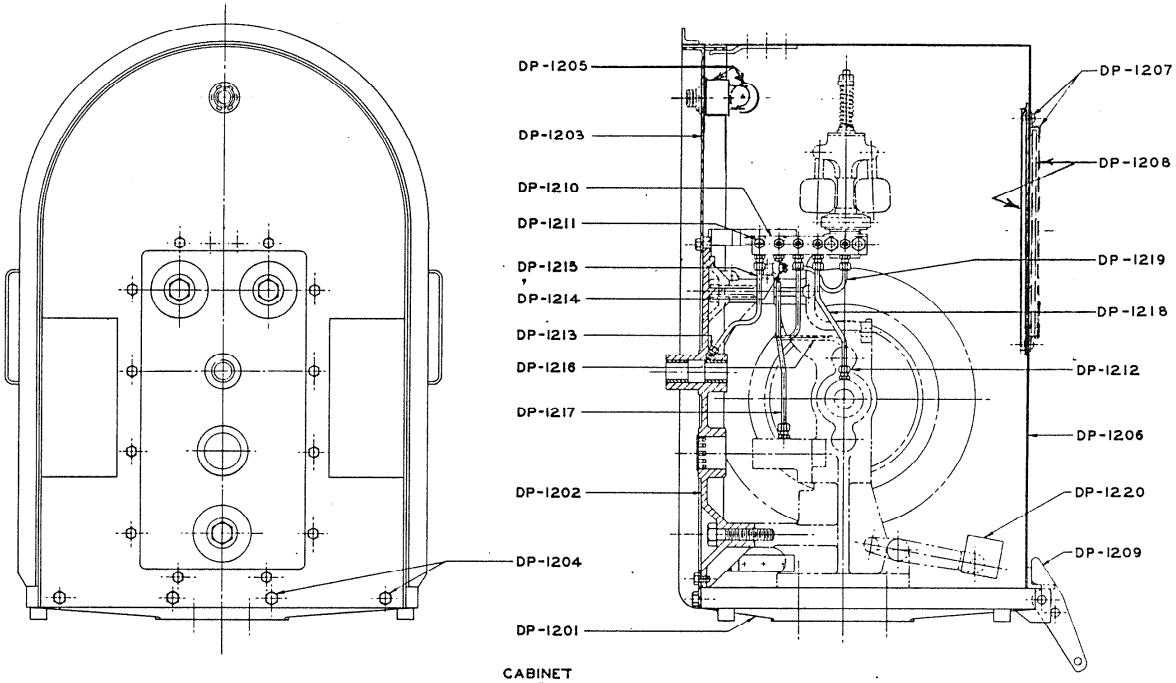


Fig. 12 Drg. DP-D-2055

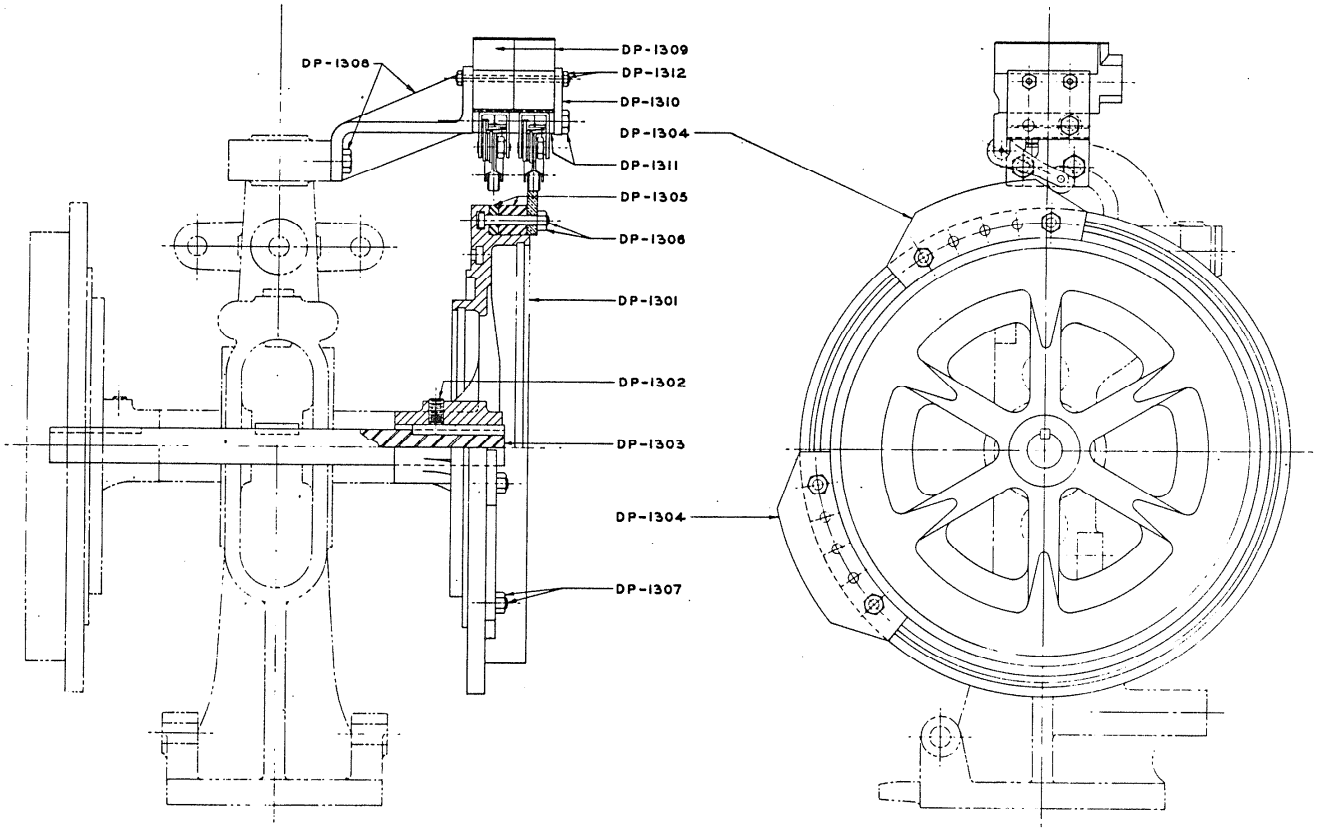
Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-1201	D-2050, D-1303 & Q6-01707	1	Cabinet Base W/ Latch Pin and Socket Set Screw (must be ordered W/ Back Plate DP-1203)	27 - 0
DP-1202	D-1297-1, OD-607 Q14-00617, ND-607 & Q9-00512	1	Cabinet Head W/ 2 Cilite Bushings, 3 Hex. Cap Screws and 2 Hex. Nuts	19 - 0
DP-1203	D-2056, Q22-02439 & Q4-00480	1	Back Plate W/ Felt Liner and 12 Hex. Cap Screws (must be ordered W/Cabinet Base DP-1201)	7 - 0
DP-1204	Q1-00016	4	Hex. Cap Screws	0 - 1
DP-1205	Q16-02883 Q16-02884 Q04-00464 Q09-00507	1	Fluorescent Strip, Lamp, Screws, Nuts	0 - 3
DP-1206	D-1305-1	1	Cover	23 - 0
DP-1207	D-1801, Q4-00762 & Q9-00534	1	Window Rim W/ 8 Rd. Hd. Screws and Nuts (See Note)	0 - 10
DP-1208	D-1308	1	Glass W/ Rubber Channel (See Note)	1 - 2
DP-1209	D-1299	1	Latch Lever	0 - 7
DP-1210	D-1281, SC-776. D-1282& Q9-02494	1	Manifold Block W/ 2 Studs, Spacers and Nuts	1 - 4
DP-1211	Q19-01989	5	Alemite Fitting	0 - 1
DP-1212	Q20-02138	9	Male Connector	0 - 1
DP-1213	D-2049	1	Nut	0 - 1
DP-1214	Q20-02139 & Q20-02140	1	Double Compression Elbow W/ Male Nut	0 - 1

NOTE: Frame and Round Glass in older machines is obsolete and not now available. Replaced by square glass and clips.

91014

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-1215	AD-1283	1	Tube 8" Long	0 - 1
DP-1216	BD-1283	1	Tube 12" Long	0 - 1
DP-1217	CD-1283	1	Tube 9" Long	0 - 1
DP-1218	DD-1283	1	Tube 5-1/2" Long	0 - 1
DP-1219	ED-1283	1	Tube 6-1/2" Long	0 - 1
DP-1220	D-1294	1	Counterweight	0 - 8

Note: DP-1207 & DP-1208 replaced by D-2106
Glass 10" X 10" Square mounted internally
with Clips & Cushion Tape.



AUXILIARY CAMS AND SWITCHES

Fig. 13 Drg. DP-D-2182

DP-D-2182 SUPERSEDES DP-D-1269

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-1301	AD-603&Q6-02324	1	Cam Dial W/ Set Screw	17 - 5
DP-1302	Q6-02324	1	Set Screw	0 - 1
DP-1303	D-1132, D-1804 & D-1805	1	Dial Shaft W/ 2 Keys D-1804 and 1 Key D-1805	1 - 0
DP-1304	CD-1267	2	Cam	0 - 14
DP-1305	AWD-607&AXD-607	2	Distance Piece	0 - 1
DP-1306	CD-2179&Q9-00508	2	Clamping Bolt W/ Nut	0 - 1
DP-1307	PD-607&Q9-00508	2	Clamping Bolt W/ Nut	0 - 1
DP-1308	D-2181&Q1-00018	1	Switch Bracket W/ Cap Screws	2 - 0
DP-1309	Q16-02567	2	Micro Switch	0 - 7
DP-1310	D-2183	1	Switch Plate	0 - 6
DP-1311	D-2199&Q1-00011	1	Spacer W/ Cap Screw	0 - 4
DP-1312	CD-1266,Q10-01945 & Q9-00504	2	Studs W/ 4 Lock Washers and Nuts	0 - 4

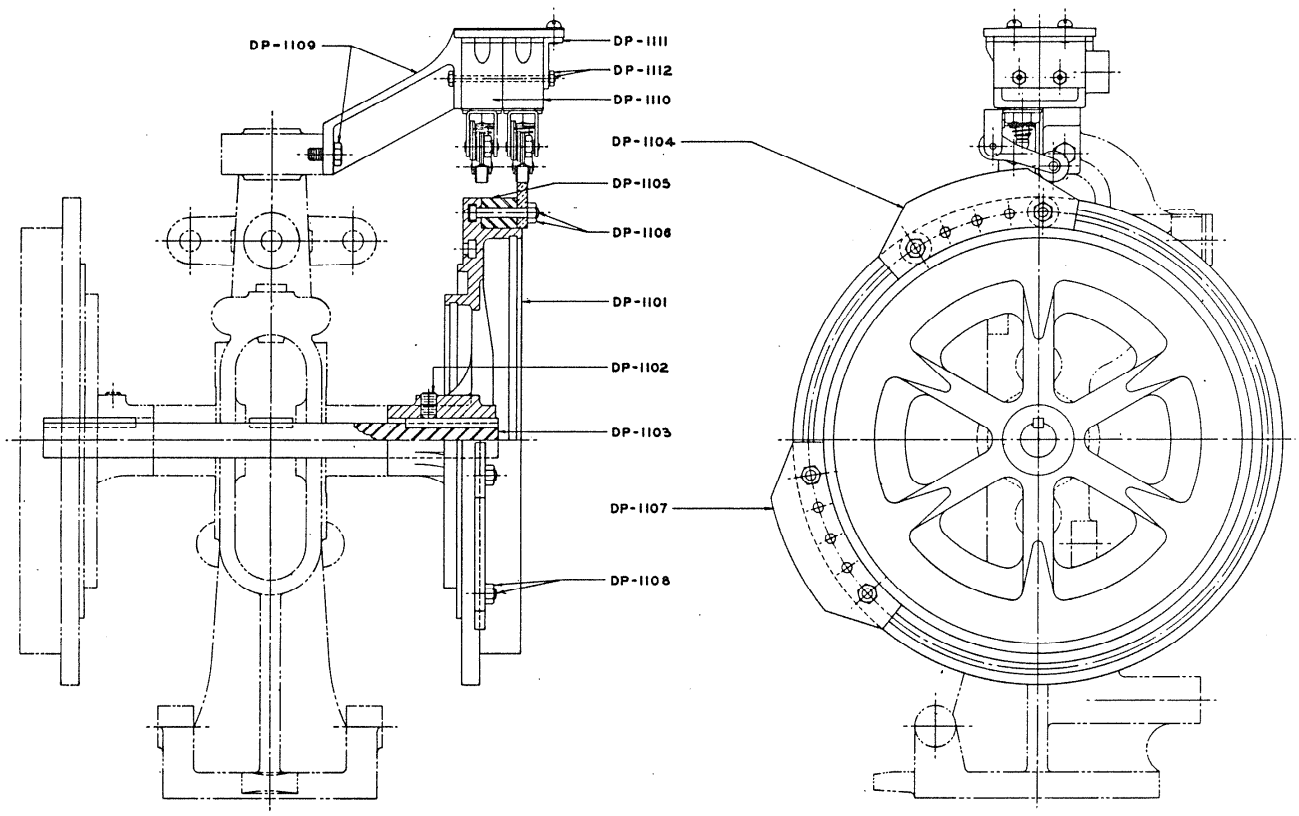
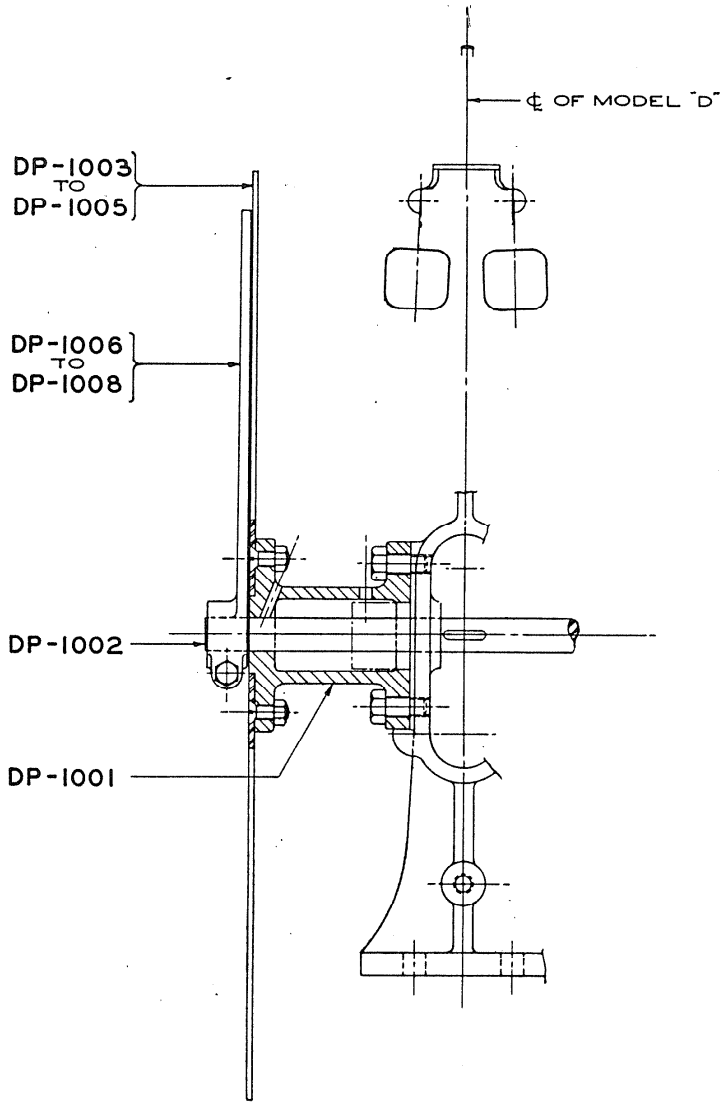


Fig. 11 Drg. DP-D-1269

SEE ALSO DP-D-2182 WHICH SUPERSEDES DP-D-1269

Catalog No.	Logan Drg. No.	Quan. Req'd	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-1101	AD-603 & Q6-02324	1	Cam Dial W/ Set Screw	17 - 5
DP-1102	Q6-02324	1	Set Screw	0 - 1
DP-1103	D-1132, D-1804 & D-1805	1	Dial Shaft W/ 2 Keys D-1804 and 1 Key D-1805	1 - 0
DP-1104	CD-1267	1	Cam	0 - 7
DP-1105	DD1267	2	Distance Piece	0 - 1
DP-1106	FD-1267&Q9-00508	2	Clamping Bolt with Nut	0 - 1
DP-1107	AD-1267	1	Cam	0 - 6
DP-1108	ED-1267&Q9-00508	2	Clamping Bolt with Nut	0 - 1
DP-1109	AD-1266&Q1-00017	1	Switch Bracket W/ Cap Screws	2 - 0
DP-1110	Q-16-02567	2	Micro Switch	0 - 7
DP-1111	BD-1266,Q4-00465 & Q10-00994	1	Support Bracket W/ 2 Rd. Hd. Screws and 2 Lock Washers	0 - 12
DP-1112	CD-1266,Q10-01945 & Q9-00504	2	Studs W/ 4 Lock Washers and Nuts	0 - 8



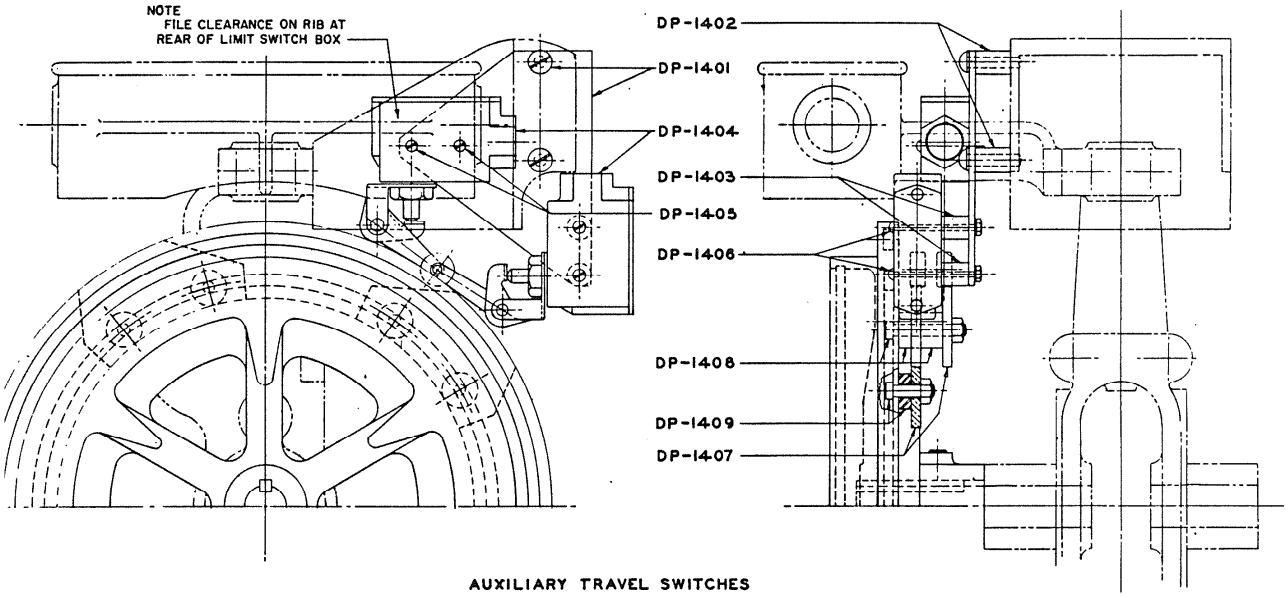
INDICATOR ASSEMBLY

Fig. 10 Drg. DP-D-1230

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-1001	BD-621 & Q1-00066	1	Indicator Support W/ 2 Cap Screws	5 - 12
DP-1002	ED-621	1	Dial Shaft W/ Keys (Replaces DP-210 Std. Dial Shaft)	2 - 0
*DP-1003	D-1229	1-Inter-Changeable	Depth Indicator Dial 24" Ea. W/6 Fl.Hd. Head Screws Q5-02888 & Nuts Q9-00509	17 - 7
*DP-1004	D-1231		Depth Indicator Dial 30"	24 - 12
*DP-1005	D-1232		Depth Indicator Dial 36"	35 - 11
*DP-1006	S-89	1-Inter-Changeable	Pointer for 24" Dial	2 - 0
*DP-1007	OD-618		Pointer for 30" Dial Ea. W/ Clamp Bolt Q1-00039 & Nut Q9-00510	2 - 3
*DP-1008	D-571		Pointer for 36" Dial	2 - 7

42" Dial D-2093 with Pointer D-2094 Available as special

*Indicates that the part is subject to variations



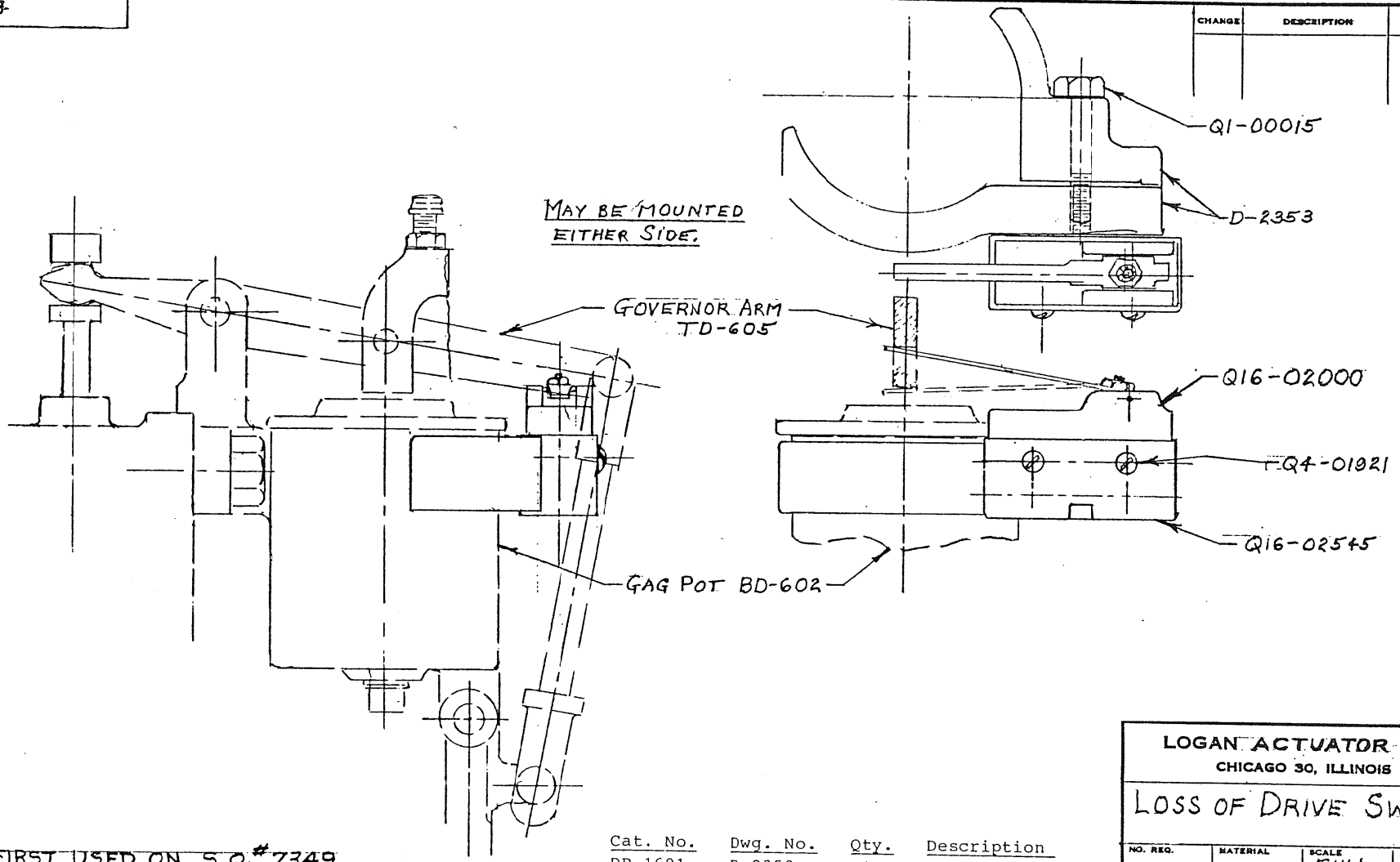
AUXILIARY TRAVEL SWITCHES

Fig. 14 Drg. DP-D-2163

Catalog No.	Logan Drg. No.	Quan. Req'd.	PART DESCRIPTION	Approx. Net. Wgt. Lb. Oz.
DP-1401	D-2200, Q10-00549 & Q4-02410	1	Mounting Plate W/ 2 Lock Washers & Rd. Hd. Screws	0 - 10
DP-1402	D-2201	2	Spacer	0 - 2
DP-1403	D-2202	2	Spacer	0 - 1
DP-1404	Q16-02567	2	Micro Switch	0 - 7
DP-1405	Q4-02410	2	Screws	0 - 1
DP-1406	Q4-02892, Q10-00977 & Q9-00536	2	Screws W/ Lock Washers & Nuts	0 - 3
DP-1407	BD-606	2	Cam	0 - 5
DP-1408	ATD-607, AWD-607 & Q9-00508	2 or 4	Cam Bolt W/ Spacer and Nut	0 - 2
DP-1409	AYD-607, AXD-607 & Q9-00508	2 or 4	Cam Bolt W/ Spacer and Nut	0 - 1

B

CHANGE	DESCRIPTION	DATE	BY



FIRST USED ON S.O.# 7349

SERIAL # 5366 & 5367 & S.O. # 7460 FOR SERIAL # 3742 & 3743

FRACTIONAL DIMENSIONS BETWEEN "I" SURFACES ± .005
FRACTIONAL DIMENSIONS ± 1/64 DECIMALS ± .005
UNLESS OTHERWISE SPECIFIED

Cat. No.	Dwg. No.	Qty.	Description
DP-1601	D-2353	1	Bracket
DP-1602	Q16-02000	1	Microswitch
DP-1603	Q16-02545	1	Microswitch Cover
DP-1604	Q1-00015	1	Hex. Hd. Screw
DP-1605	Q4-01921	2	Rd. Hd. Screw

LOGAN ACTUATOR CO.
CHICAGO 30, ILLINOIS

LOSS OF DRIVE SWITCH

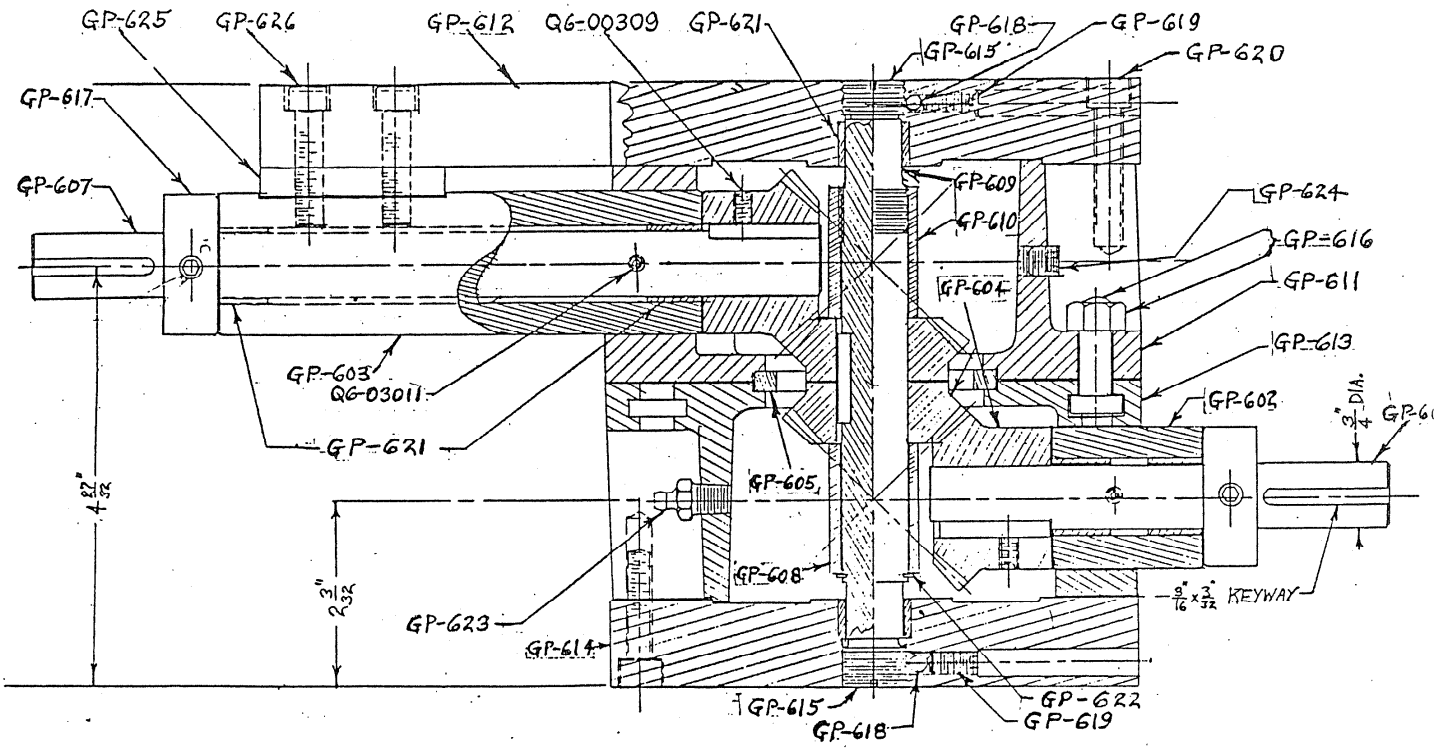
NO. REQ.	MATERIAL	SCALE FULL	DATE 9-30-82
DRAWN BY GL	CHECKED BY X 1/2	APPROVED BY	
B. M. NO.			
ASSEMBLY NO.		D-2354	

91019

M-815 DIRECTIONABLE BASE (FOR MODEL "D")

91020

For facing indicator dial (when used) in any direction although straight in drive.



M-815 DIRECTIONABLE BASE (FOR MODEL "D")

CATALOG NUMBER	DRAWING NUMBER	QTY. REQ'D.	DESCRIPTION	NET WT. Lbs. Oz.
GP-601	M-815		Directionable Base, Complete	48 - 0
GP-602	M-720, Q14-00782	1	Bearing Sleeve w/Bushings	0 - 12
GP-603	M-817, Q14-00782	1	Bearing Sleeve w/Bushings	2 - 4
GP-604	M-721, Q6-00309	2 Pr.	Miter Gear, 20T., 10 D.P. w/Setscrews	1 - 4
GP-605	M-722	1	Housing Ring Key	0 - 2
GP-606	M-723	1	Shaft, Input	0 - 10
GP-607	M-816	1	Shaft, Output	1 - 8
GP-608	M-726	1	Spacer Sleeve	0 - 2
GP-609	M-785 Q15-00932	1	Center Spindle w/Snap Ring	0 - 7
GP-610	M-728	1	THreaded Upper Sleeve	0 - 2
GP-611	M-758	1	Upper Housing	9 - 0
GP-612	M-818 w/Q14-02944	1	Upper Plate, w/Bushing	12 - 0
GP-613	M-760	1	Lower Housing	8 - 10
GP-614	M-761 w/Q14-02944	1	Lower Plate w/Bushing	8 - 8
GP-615	M-787	2	Spindle Stop	0 - 1
GP-616	EC-518, Q9-00510	4	T-Bolt, 3/8-16 x 1-1/16, & Nut	0 - 1
GP-617	GE-105, Q9-00317	2	Collar w/Setscrew	0 - 3
GP-618	Q22-01804	2	Locking Pellet	0 - ½
GP-619	Q6-00311	4	Setscrew	0 - ½
GP-620	Q2-01119	16	Socket Head Screw, 5/16-18 x 1¼	0 - ½
GP-621	Q14-00782	4	Oilless Bushing, 3/4 x 7/8 x 5/8"	0 - 1
GP-622	Q15-00932	1	Snap Ring, 3/4" Shaft	0 - ½
GP-623	Q19-00624	1	Grease Fitting, 1/8" N.P.T.	0 - ½
GP-624	Q20-00868	1	Pipe Plug, 1/8" N.P.T.	0 - ½
GP-625	M-819	1	Support Block	0 - 2
GP-626	Q2-00263	2	Socket Head Screw	0 - ½

NOTES

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