

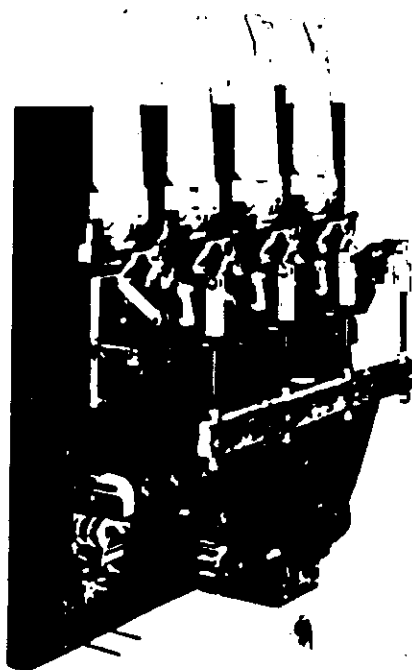


RENEWAL PARTS

GEF-4346A

TYPE AG-7 AIR CIRCUIT BREAKER

*Check
Master a*



Type AG-7 Air circuit breaker (4-pole)

ORDERING INSTRUCTIONS

- 1 Always specify complete nameplate data of the breaker.
- 2 Specify the quantity, catalog number (if listed), reference number (if listed), description, and this bulletin number.
- 3 Standard hardware such as screws, bolts, nuts, washers, etc., is not listed in this bulletin. Such items should be purchased locally.
- 4 For prices, refer to the nearest office of the General Electric Company.

When ordering renewal parts, give quantity, catalog number, description of each item required, and complete nameplate reading.

GENERAL  ELECTRIC

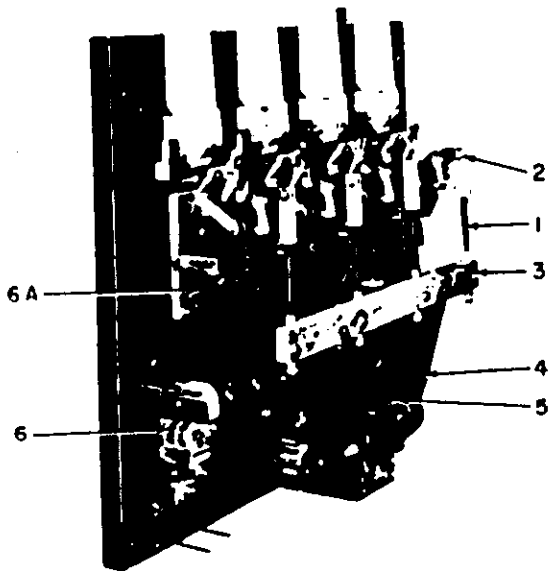


Fig. 1. Type AG-7 Air circuit breaker (4-pole)

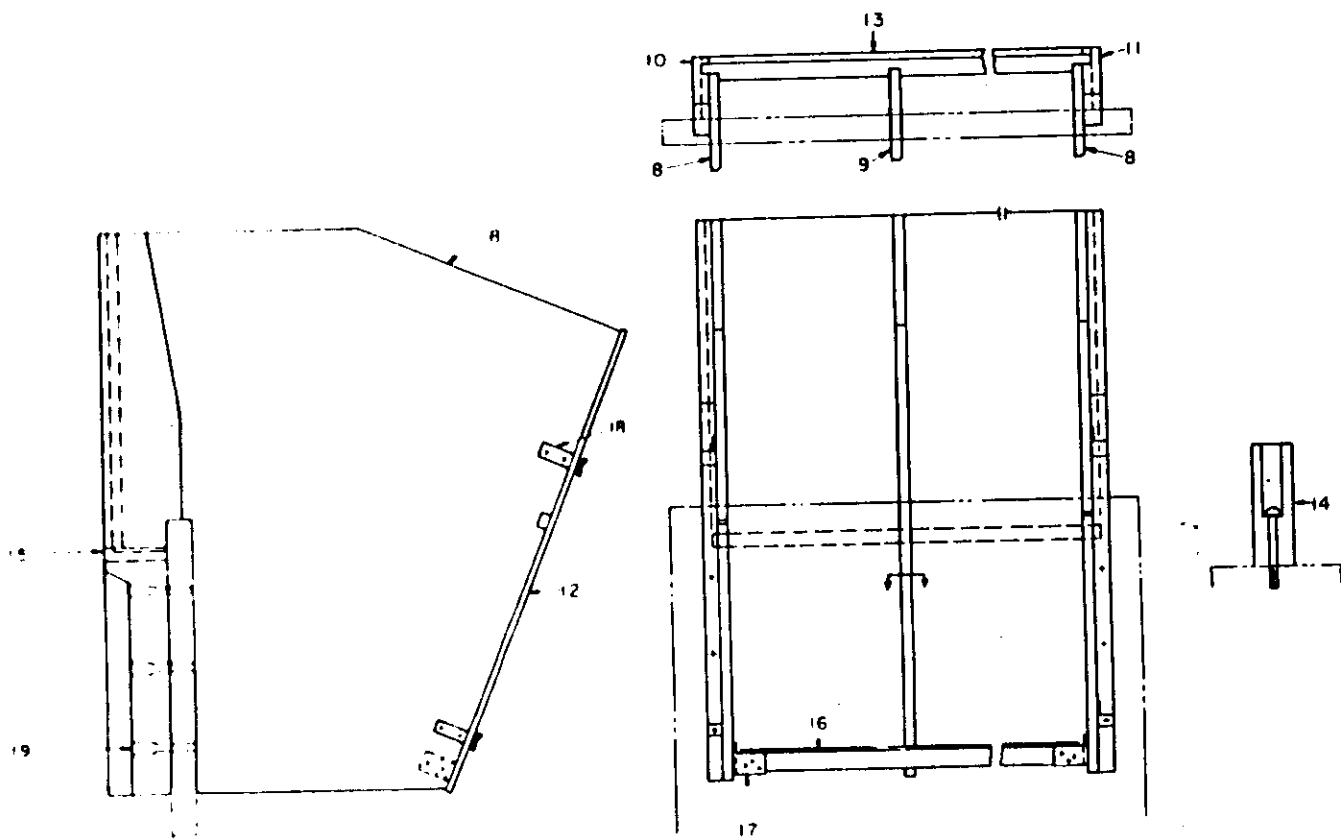


Fig. 2. Barrier assembly

Fig No	Ref. No	Number Required						Catalog Number	Description
		1P	2P	3P	4P	5P	6P		
1	1	1	2	3	4	5	6	073-295B484G1	Connecting rod - 4x
1	2	1	2	3	4	5	6	412A405P9	Pin
1	3	-	1	-	-	-	-	9921635P1	Cross bar 2 Pole
1	3	-	-	1	-	-	-	6317160P1	Cross bar 3 Pole
1	3	-	-	-	1	-	-	127B7028P1	Cross bar 4 Pole
1	3	-	-	-	-	1	-	127B7028P2	Cross bar
1	3	-	-	-	-	-	1	201B955P1	Cross bar
1	4	-	1	-	-	-	-	6208608G1	Connecting frame 2 Pole
1	4	-	-	1	-	-	-	9921636P1	Connecting frame 3 Pole
1	4	-	-	-	1	-	-	6329411G1	Connecting frame 4 Pole
1	4	-	-	-	-	1	-	6329351G1	Connecting frame
1	5	1	1	1	1	1	1	6076405P263	Pin
1	5A	2	4	6	8	10	12	394A133P10	Retaining ring
1	6	1	1	1	1	1	1	12HKA27EM3	Relay (110-125 volt d-c) (see GEF-3379)
1	6	1	1	1	1	1	1	12HKA27EM24	Relay (220-250 volt d-c) (see GEF-3379)
1	6	1	1	1	1	1	1	12HKA27EM9	Relay (115 volt 60 cycle) (see GEF-3379)
1	6	1	1	1	1	1	1	12HKA27EM30	Relay (115 volt 50 cycle) (see GEF-3379)
1	6	1	1	1	1	1	1	12HKA27EM8	Relay (240 volt 50 cycle) (see GEF-3379)
1	6A	2	4	6	8	10	12	367A268G1	Coil and magnet assembly (250 VDC)
1	6A	2	4	6	8	10	12	367A268G2	Coil and magnet assembly (125 VDC)
2	7	-	1	1	1	1	1	361674G1	Emergency handle
2	8	2	2	2	2	2	2	453A149P1	Emergency handle
2	9	-	1	2	3	4	5	263C586P8	Barrier
2	10	1	1	1	1	1	1	263C586P9	Phase barrier, front
2	11	-	1	1	1	1	1	6329408P5	Barrier support, left
2	11	-	1	1	1	1	1	6329408P4	Barrier support, right
2	12	-	1	-	-	-	-	453A145P1	Barrier support, right
2	12	-	1	-	-	-	-	6208602G2	Front cover
2	12	-	-	1	-	-	-	102C3661G3	Front cover
2	12	-	-	-	1	-	-	102C3661G2	Front cover
2	12	-	-	-	-	1	-	102C3661G1	Front cover
2	12	-	-	-	-	-	1	128B2860G1	Front cover
2	12	-	-	-	-	-	1	263C586G1	Front cover
2	13	-	1	-	-	-	-	6414602P1	Rear barrier
2	13	-	-	1	-	-	-	102C3661P3	Rear barrier
2	13	-	-	-	1	-	-	102C3661P2	Rear barrier
2	13	-	-	-	-	1	-	102C3661P1	Rear barrier
2	13	-	-	-	-	-	1	128B2860P6	Rear barrier
2	13	-	-	-	-	-	1	263C586P2	Rear barrier
2	14	-	1	2	3	4	5	6329408P7	Phase barrier, rear
2	15	-	1	-	-	-	-	6414602P2	Rear support
2	15	-	-	1	-	-	-	102C3661P6	Rear support
2	15	-	-	-	1	-	-	102C3661P5	Rear support
2	15	-	-	-	-	1	-	102C3661P4	Rear support
2	15	-	-	-	-	-	1	128B2860P7	Rear support
2	16	-	-	-	-	-	1	263C586P2	Rear support
2	16	-	1	-	-	-	-	6208605P1	Cross tie
2	16	-	-	1	-	-	-	102C3661P9	Cross tie
2	16	-	-	-	1	-	-	102C3661P8	Cross tie
2	16	-	-	-	-	1	-	102C3661P7	Cross tie
2	16	-	-	-	-	-	1	128B2860P6	Cross tie
2	16	-	-	-	-	-	1	263C586P3	Cross tie
2	17	-	2	2	2	2	2	6302978P1	Bracket
2	18	4	4	4	4	4	4	6175203G1	Bracket
2	19	6	6	6	6	6	6	393A993P1	Expansion screw anchor (fastens barrier to base)
3	20	1	2	3	4	5	6	848C407G1	Arc chute assembly, complete
3	21	1	2	3	4	5	6	848C406P1	Inner arc chute side plate, right
3	22	1	2	3	4	5	6	848C406P2	Inner arc chute side plate, left
3	23	2	4	6	8	10	12	848C406P3	Intermediate side plate
3	24	2	4	6	8	10	12	848C406P4	Outer side plate
3	25	2	4	6	8	10	12	889B477P3	Spacer block
3	26	1	2	3	4	5	6	848C403G2	Front arc runner
3	27	1	2	3	4	5	6	889B475P2	Filler block
3	28	1	2	3	4	5	6	127A6479P1	Center spacer block and core support
3	29	1	2	3	4	5	6	889B479P5	Core

*Not shown

TYPE AG-7 AIR CIRCUIT BREAKER

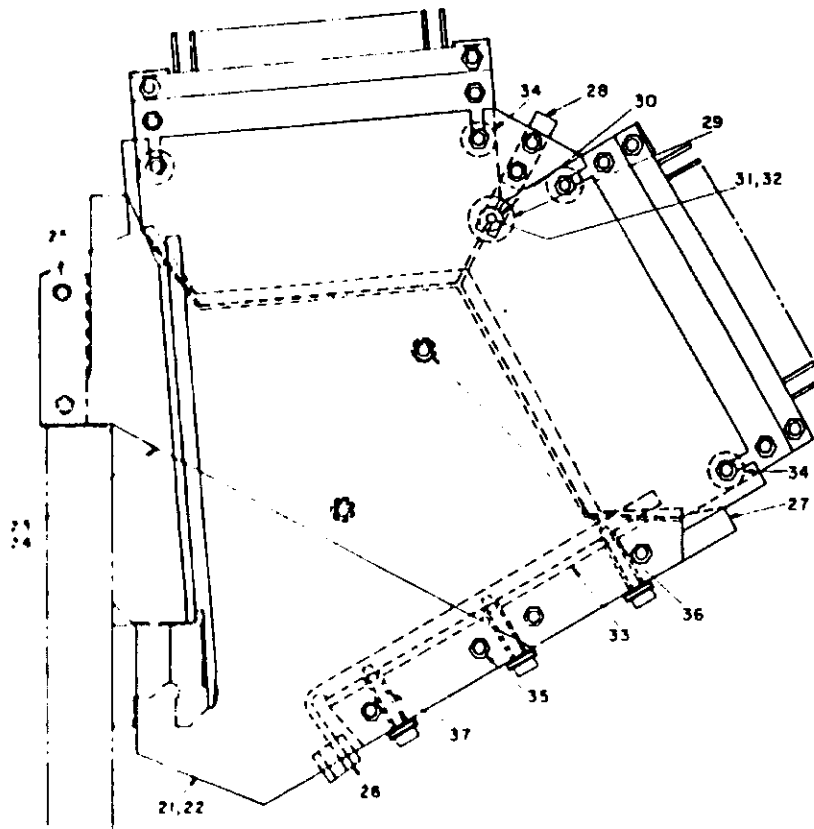


Fig. 3. Arc chute

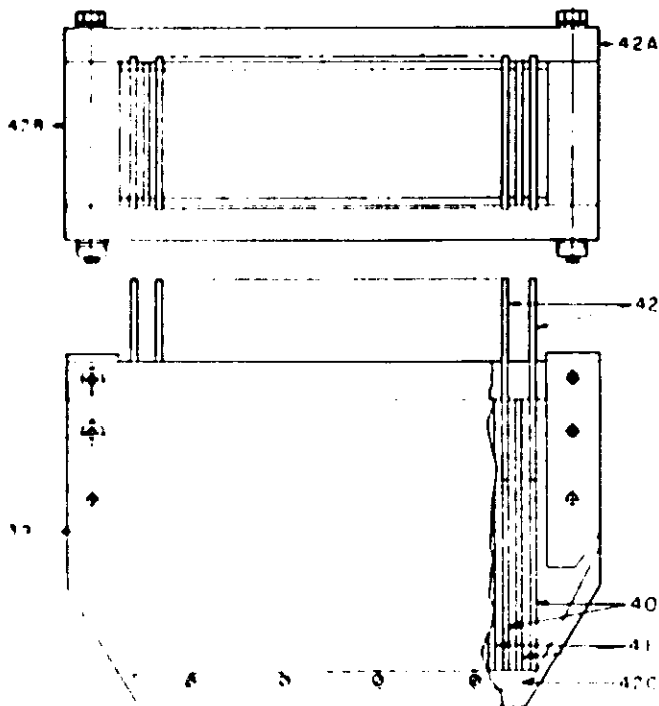


Fig. 4. Arc quencher (Ref. 3B)

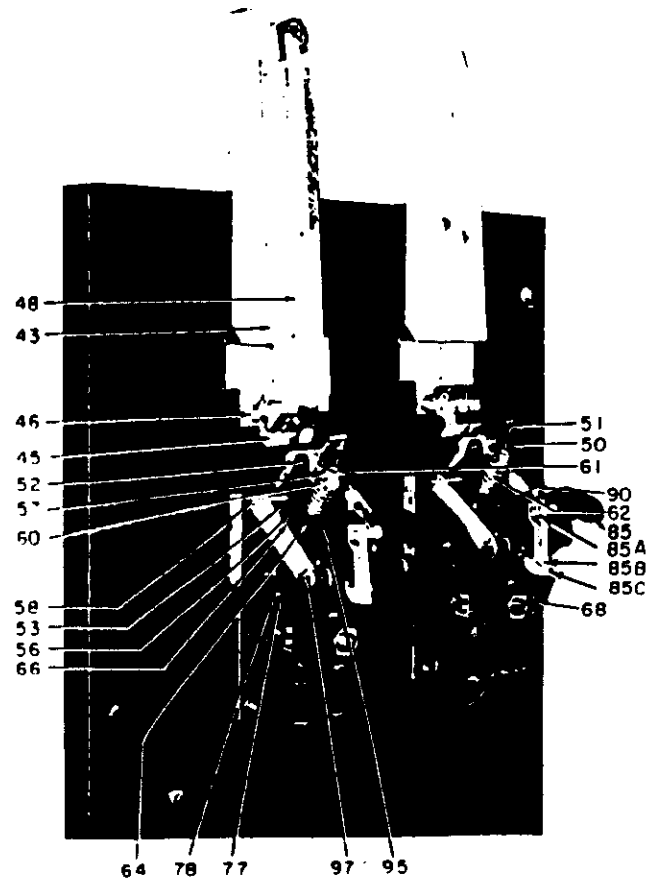


Fig. 5. Type AG-7 Air circuit breaker (2-pole)

Fig. No.	Ref. No.	Number Required						Catalog Number	Description
		1P	2P	3P	4P	5P	6P		
3	30	1	2	3	4	5	6	073-889B479 P3	Core bushing
3	31	1	2	3	4	5	6	-127A6478 P1	Core pin
3	32	2	4	6	8	10	12	-394A133 P7	Retaining ring
3	33	1	2	3	4	5	6	-889B477 P2	Insulation
3	34	0	0	0	0	0	0	-889B479 P6	Shim
3	35	4	8	12	16	20	24	-889B479 P2	Bushing
3	36	2	4	6	8	10	12	-889B479 P1	Bushing
3	37	2	4	6	8	10	12	-889B479 P7	Bushing
4	38	2	4	6	8	10	12	-889B478 G1	Arc quencher assembly, complete 10
4	39	4	8	12	16	20	24	-889B499 P1	Arc quencher side
4	40	32	64	96	128	160	192	-887B399 P1	Short plate
4	41	30	60	90	120	150	180	-887B399 P2	Long plate
4	42	32	64	96	128	160	192	-887B399 P3	Insulation plate
4	42A	4	8	12	16	20	24	-127A6477 P1	Retainer
4	42B	4	8	12	16	20	24	-889B0499 P2	Spacer
4	42C	4	8	12	16	20	24	-889B0499 P3	Retainer
5	43	1	2	3	4	5	6	-291B953 G2	Upper stud assembly - 4 1/2" x 20" Bush
5	44	1	2	3	4	5	6	-291B951 G3	Lower stud assembly
5	45	1	2	3	4	5	6	-459A389 G1	Stationary main contact 3 1/4" x 1 1/4" x 1/4"
5	46	3	6	9	12	15	18	-6172501	Spring for stationary main contact - 1 1/2" x 4" x 1/4"
5	47	3	6	9	12	15	18	-6244723 P1	Insulation bushing - 2 1/4" x 1 1/4" x 1/4"
5	48	1	2	3	4	5	6	-889B481 G1	Arc runner and arcing contact 1 1/2" x 1 1/4" x 1/4"
5	49	1	2	3	4	5	6	-457A688 P1	Spring clip
5	50	1	2	3	4	5	6	-291B950 G1	Main contact lever 3 1/4" x 1 1/4" x 1/4"
5	51	1	2	3	4	5	6	-459A393 G1	Arcing contact and braid - 1 1/2" x 1 1/4" x 1/4"
5	52	1	2	3	4	5	6	-6244727 P1	Arcing contact support 8" Core - 1 1/2" x 1 1/4" x 1/4"
5	53	2	4	6	8	10	12	-6302975 P1	Spring guide - 2 1/4" x 1 1/4" x 1/4"
5	54	1	2	3	4	5	6	-6244732 P1	Spacer
5	55	2	4	6	8	10	12	-6244750 P1	Pin
5	56	1	2	3	4	5	6	-6244724 P2	Pin
5	57	1	2	3	4	5	6	-6076401 P408	Pin
5	58	1	2	3	4	5	6	-6241447 P1	Pin
5	59	1	2	3	4	5	6	-6241825 P1	Pin
5	60	1	2	3	4	5	6	-449A962 P1	Spring retainer
5	61	1	2	3	4	5	6	-6244729 P1	Spring guide
5	62	1	2	3	4	5	6	-412A149	Spring, outer
5	63	1	2	3	4	5	6	-412A150	Spring, inner
5	64	1	2	3	4	5	6	-6241389 P1	Roller
5	65	1	2	3	4	5	6	-6303534 P1	Hook latch
5	66	2	4	6	8	10	12	-6241443 P2	Buffer
5	67	1	2	3	4	5	6	-6275569 P1	Pin support assembly
5	68	1	2	3	4	5	6	-6357019 P1	Frame
5	69	1	2	3	4	5	6	-6246092 P1	Pin support
5	70	1	2	3	4	5	6	-6275569 P2	Shim
5	71	2	4	6	8	10	12	-6275569 P3	Shim
5	72	1	2	3	4	5	6	-195A8899 G1	Cam and prop latch assembly (must be ordered as a complete set) - 1 1/2" x 1 1/4" x 1/4"
5	73	1	2	3	4	5	6	-6241384 P1	Pin
5	74	1	2	3	4	5	6	-6302968 G1	Pin
5	75	1	2	3	4	5	6	-6246090 P1	Pin
5	76	1	2	3	4	5	6	-6241823 P1	Spring post (fastened on left side of Ref. 68)
5	77	2	4	6	8	10	12	-6241448 P1	Pin
5	78	2	4	6	8	10	12	-6241829 P1	Pin
5	79	1	2	3	4	5	6	-6372345 G1	Pin
5	80	1	2	3	4	5	6	-6241454 P1	Pin
5	81	2	4	6	8	10	12	-6002721 P168	Spacer (right side of Ref. 80)
5	82	1	2	3	4	5	6	-6172526	Spring
5	83	2	4	6	8	10	12	-6172527	Spring
5	84	1	2	3	4	5	6	-6201334 G1	Closing lever
5	85	1	2	3	4	5	6	-6317264 G1	Operating lever - 1 1/2" x 1 1/4" x 1/4"
5	85A	1	2	3	4	5	6	-6447538 P1	Spring
5	85B	1	2	3	4	5	6	-6509880	Spring
5	85C	1	2	3	4	5	6	-6447537 P1	Spring
5	86	2	4	6	8	10	12	-6241383 P1	Bushing (on Ref. 89, used for Ref. 85)
5	87	1	2	3	4	5	6	-6244721 P1	Bushing on left side (on Ref. 89 to space Ref. 85 and 84)
5	88	1	2	3	4	5	6	-6244722 P1	Bushing on right side (on Ref. 89 to space Ref. 85 and 84)
5	89	1	2	3	4	5	6	-6241498 P1	Pin
5	90	1	2	3	4	5	6	-6241850 P1	Pin

P As required

* Not shown

TYPE AG-7 AIR CIRCUIT BREAKER

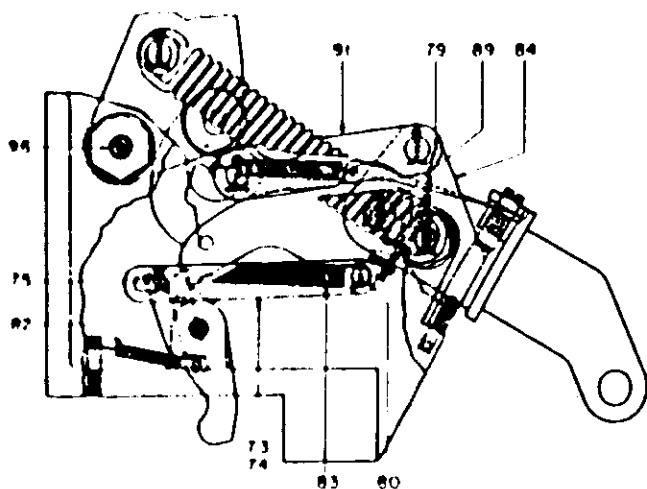


Fig. 6. Operating mechanism

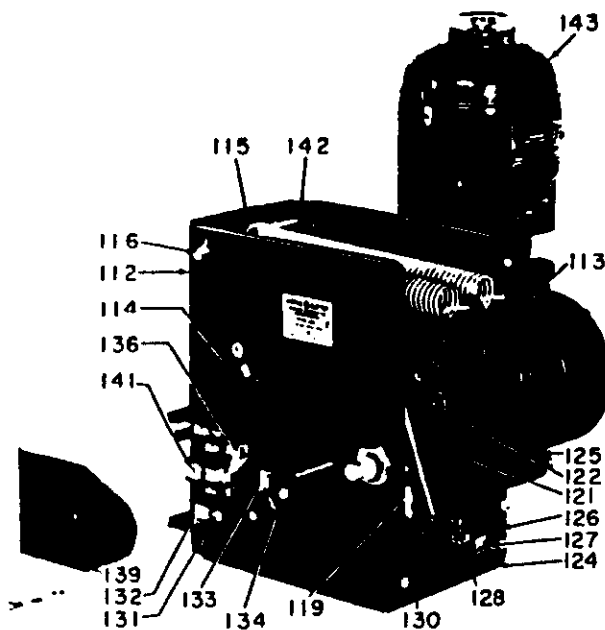


Fig. 7. Type MB-3 motor operated mechanism

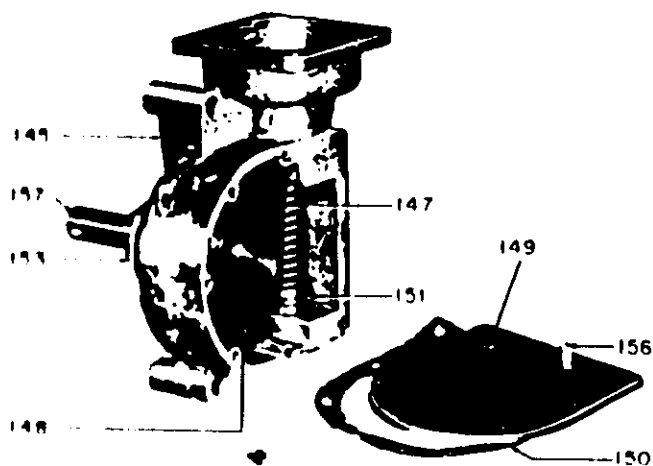


Fig. 8. Gear reducer (Ref. 144)

MUST BE PURCHASED
AS A COMPLETE
ASSEMBLY

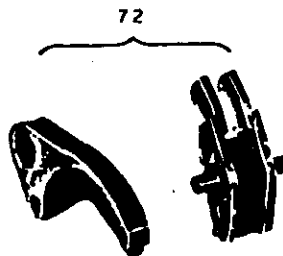


Fig. 8A. Cam and prop
latch assembly
(Ref. 72)

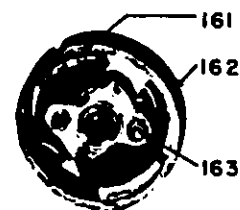


Fig. 9. Torque brake
assembly

Fig. No.	Ref. No.	Number Required						Catalog Number	Description
		1P	2P	3P	4P	5P	6P		
5	*91	2	4	6	8	10	12	073-6241385P1	Spacer (left side of Ref. 80)
	*92	1	2	3	4	5	6	-6002721P241	Pin for holding Ref. 93)
	*93	1	2	3	4	5	6	-6244762P2	Retaining screw
	*94	1	2	3	4	5	6	-6244763P1	Opening spring
	*95	1	2	3	4	5	6	-6244760P1	Spring
	*96	2	4	6	8	10	12	-6241382P1	Spacer
	*97	2	4	6	8	10	12	-6241458P1	Pin assembly - 1
	*98	2	4	6	8	10	12	-6172512P1	Tripp spring
	*99	1	2	3	4	5	6	-6172599P1	Armature and magnet
	*100	1	2	3	4	5	6	-6002721P187	Spacer
	*101	1	2	3	4	5	6	-6414381G1	Spacer
7	*102	1	2	3	4	5	6	-6241488P2	Motor mechanism (complete assembly)
	*103	1	2	3	4	5	6	-412A187	Frame
	*104	1	2	3	4	5	6	-291B992G1	Operating lever
	*107	1	2	3	4	5	6	-6242691P1	Pin
	*108	1	2	3	4	5	6	-6444130P1	Reset spring
	*109	2	4	6	8	10	12	-6444130P2	Pin for reset spring
	*110	1	2	3	4	5	6	-6002721P200	Roller (for Ref. 113)
	*111	1	1	1	1	1	1	-6155321G3	Pin (fastens roller to Ref. 113)
	*112	1	1	1	1	1	1	-6212228G1	Cam
	*113	1	1	1	1	1	1	-6212219G1	Cam shaft
	*114	1	1	1	1	1	1	-6076409P257	Gear
7	*115	2	2	2	2	2	2	-6172507	Gear
	*116	1	1	1	1	1	1	-6076405P285	Cover (top)
	*117	1	1	1	1	1	1	-6241480	Cover
	*118	1	1	1	1	1	1	-6076406P221	Spacer
	*119	1	1	1	1	1	1	-6212222G1	Cover
	*120	1	1	1	1	1	1	-6241501	Operation counter
	*121	1	1	1	1	1	1	-6125396P3	Counter support
	*122	1	1	1	1	1	1	-6125396P5	Spring post (for Ref. 130)
	*123	1	1	1	1	1	1	-6201402P1	Spring
	*124	1	1	1	1	1	1	-6201402P2	Motor cut-off switch
	*125	3	3	3	3	3	3	-6241487	Base and contacts
7	*126	1	1	1	1	1	1	-6201402P3	Shaft
	*127	1	1	1	1	1	1	-6370725P1	Cam
	*128	1	1	1	1	1	1	-6241484	Sleeve (for Ref. 133)
	*129	1	1	1	1	1	1	-6057403	Contact (movable)
	*130	1	1	1	1	1	1	-6172508	Pressure spring (for Ref. 136)
	*131	1	1	1	1	1	1	-6228280P1	Opening spring (for Ref. 136)
	*132	1	1	1	1	1	1	-6228280G2	Cover
	*133	1	1	1	1	1	1	-6275134P1	Cover (back)
	*134	1	1	1	1	1	1	-6275133P1	Blinding screw
	*135	1	1	1	1	1	1	-6246040P1	Spacer
	*136	1	1	1	1	1	1	-6275131P1	Motor, Model No. 5PA66MA3
7	*137	1	1	1	1	1	1	-6172545	Motor, Model No. 5PA66MA4
	*138	1	1	1	1	1	1	-6172544	Gear reducer, complete
	*139	1	1	1	1	1	1	-6275132P1	Gear housing
	*140	1	1	1	1	1	1	-6246041P1	Worm and wheel assembly
	*141	5	5	5	5	5	5	-1487612	Worm
	*142	1	1	1	1	1	1	-6176110P105	Wheel
	*143	1	1	1	1	1	1	-----	Cover
	*144	1	1	1	1	1	1	-6052820G7	Gasket
	*145	1	1	1	1	1	1	-6125001G1	Thrust bearing
	*146	1	1	1	1	1	1	-238C110P1	Retainer (for Ref. 147)
	*147	1	1	1	1	1	1	-238C110P2	Cup
8	*148	1	1	1	1	1	1	-238C110P3	Oil for gear reducer (3 oz.)
	*149	1	1	1	1	1	1	-6071666P1	Key (for Ref. 157)
	*150	1	1	1	1	1	1	-6059911	Pipe plug (1/8 in. sq. hd.)
	*151	1	1	1	1	1	1	-393A796P5	Gear shaft
	*152	1	1	1	1	1	1	-6057151	Gasket
	*153	1	1	1	1	1	1	-6058421	Dowel pin
	*154	1	1	1	1	1	1	-393A991P1	Disk (brass)
	*155	1	1	1	1	1	1	-3400P606	Brake shoes
	*156	1	1	1	1	1	1	-393A993P2	
	*157	1	1	1	1	1	1	-6241485	
	*158	1	1	1	1	1	1	-453A122P1	
9	*159	1	1	1	1	1	1	-453A189P1	
	*160	1	1	1	1	1	1	-6058423	
	*161	1	1	1	1	1	1	-6115569G2	

* Not shown

TYPE AG-7 AIR CIRCUIT BREAKER

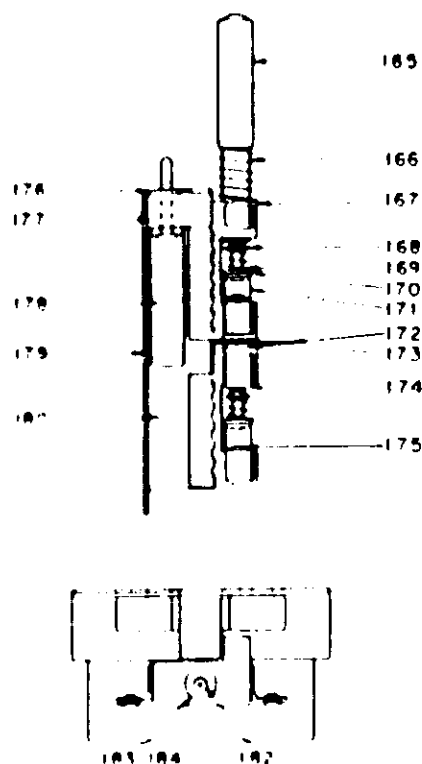


Fig. 10. Push type auxiliary switch

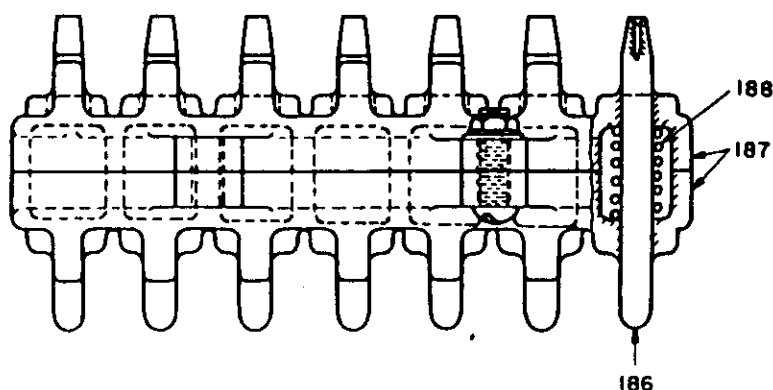


Fig. 11. Disconnect mechanism

Fig. No.	Ref. No.	Number Required						Catalog Number	Description
		1P	2P	3P	4P	5P	6P		
9	162	1	1	1	1	1	1	073-6175451 P1	Brake drum 2 ✓
9	163	1	1	1	1	1	1	-6175449 G1	Impeller 2 ✓
10	164	1	2	3	4	5	6	-887B315 G1	Auxiliary switch for 2 in. panel (complete) ✓
10	165	1	2	3	4	5	6	-6241509 P2	Plunger 10 ✓
10	166	1	2	3	4	5	6	-6202671	Plunger spring ✓
10	167	2	4	6	8	10	12	-845C206 P1	Base
10	168	4	8	12	16	20	24	-542A984 G1	Moving contacts 12 ✓
10	169	2	4	6	8	10	12	-6509908	Spring 6 3 ✓
10	170	2	4	6	8	10	12	-2480067 P1	Insulation (moving contacts) 6 ✓
10	171	2	4	6	8	10	12	-2480066 P1	Guide
10	172	1	2	3	4	5	6	-845C206 P2	Insulation 10 ✓
10	173	1	2	3	4	5	6	-6317986 P20	Spacer 10 ✓
10	174	4	8	12	16	20	24	-542A987 G1	Stationary contact (top) ✓
10	175	4	8	12	16	20	24	-542A987 G2	Stationary contact (bottom) ✓
10	176	1	2	3	4	5	6	-845C206 P3	Shim
10	177	1	2	3	4	5	6	-845C206 P4	Block
10	178	2	4	6	8	10	12	-845C206 P5	Bracket
10	179	1	2	3	4	5	6	-845C206 P6	Insulation 10 ✓
10	180	1	2	3	4	5	6	-845C206 P7	Block
10	181	1	2	3	4	5	6	-845C206 P8	Insulation
10	182	1	2	3	4	5	6	-6447640 P1	Screw
10	183	1	2	3	4	5	6	-402 P35 B12	Washer
10	184	1	2	3	4	5	6	Δ	Lockwasher
11	185	1	1	1	1	1	1	-6317987 G3	Secondary disconnects (complete) 12 ✓, 22
11	186	1	1	1	1	1	1	-6444637 P1	Contact pin 60
11	187	1	1	1	1	1	1	-6423466 P2	Contact base
11	188	1	1	1	1	1	1	-6403331	Spring

Sketch of Cat. No. 1104

* Not shown.
 * Refer to wiring diagram for required quantity.

CR 950
 A100A2A 2 LATCH SOLENOID & COIL 1SD1G2