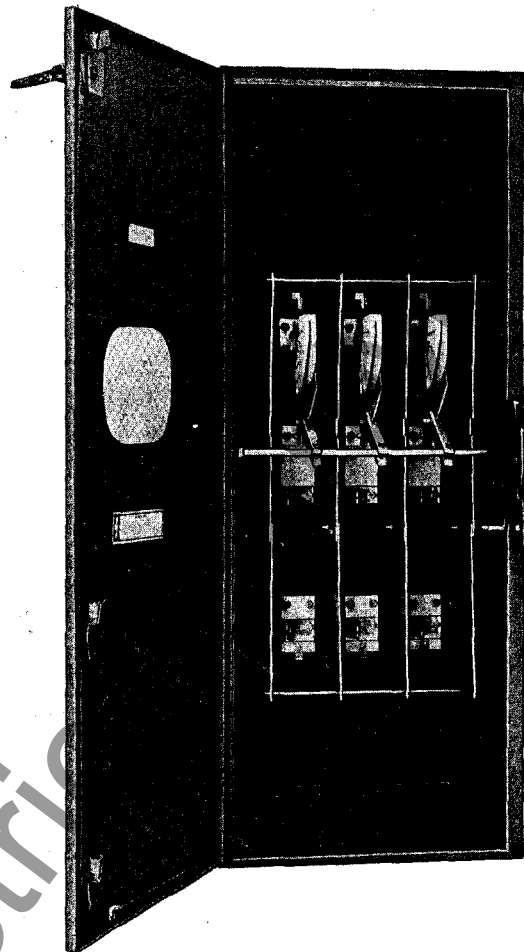


MiniBreak

Load Interrupter Switch



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SQUARE D



SEQUENCE OF OPERATION

In the closed position, the switch blade is engaged in the arc chute (figure 4). The circuit current flows through the main blades.

As the switch operating handle is moved toward the open position, the springs are charged. After the springs become fully charged, they toggle over the dead center position, discharging force to the switch operating mechanism.

The action of the switch operating mechanism forces the blade out of the stationary main contacts.

The resulting arc, drawn between the stationary and movable interrupting contacts, is elongated and cooled as the arc chute absorbs heat and generates an arc-extinguishing gas to break up and blow out the arc. The combination of arc stretching, arc cooling, and extinguishing gas causes a quick interruption with only minor erosion of the contacts and arc chutes.

The blades continue to the fully-open position (figure 5) and are maintained there by spring pressure.

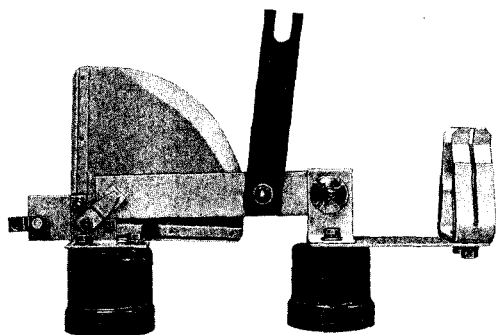


Figure 4: Switch Blades Closed

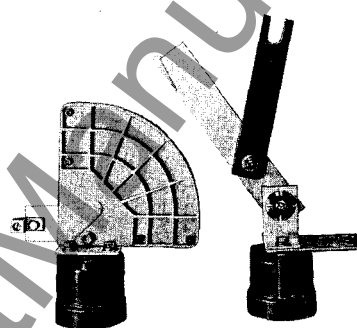


Figure 5: Switch Blades Open

REPLACEMENT PARTS FOR MiniBreak LOAD INTERRUPTER SWITCH

Description	Part Number	Recommended Spares For Number Of Switches Installed			
		1-4	5-10	11-15	16-25
Arc Chute Assembly	D44070-499-50	1	3	6	9
Main Interrupter Blade Assembly	C44070-541-50	1	3	6	9
Hinge Terminal	B44070-542-01	0	0	6	12
Blade Bushing	A44070-631-01	0	0	3	6
Belleville Washer	A44035-247-01	0	0	6	12
Blade Connector	B44070-455-01	0	0	3	6
Hinge Terminal Pad	A44036-216-01	0	0	0	0
5 kV Insulator	29903-01920	0	0	0	0
Fuse Terminal Pad	B44070-496-01	0	0	0	0
Barrier—Top	C44070-511-01	0	0	0	0
Barrier—Bottom	B44070-509-01	0	0	0	0
Barrier Brace	B44070-512-01	0	0	0	0
Barrier Clip	29450-15190	0	0	0	0
Mechanism Cross Arm	C40512-009-03	0	1	2	3
Mechanism Housing Assembly	C44010-826-50	0	0	0	0
Cam Assembly	B44070-440-50	0	0	0	0
Operating Handle Assembly	T40512-172-50	0	0	0	0
Mechanism Operating Spring	B44050-045-01	0	1	2	3
Fuse Clip Kit, 3" Dia., "D" Size	44070-622-50	0	0	0	0

Ordering Information

When ordering parts, provide the following information:

- Description of part
- Quantity desired
- Serial number of switch
- Original order information shown on switch nameplate

