

RP-4608-51

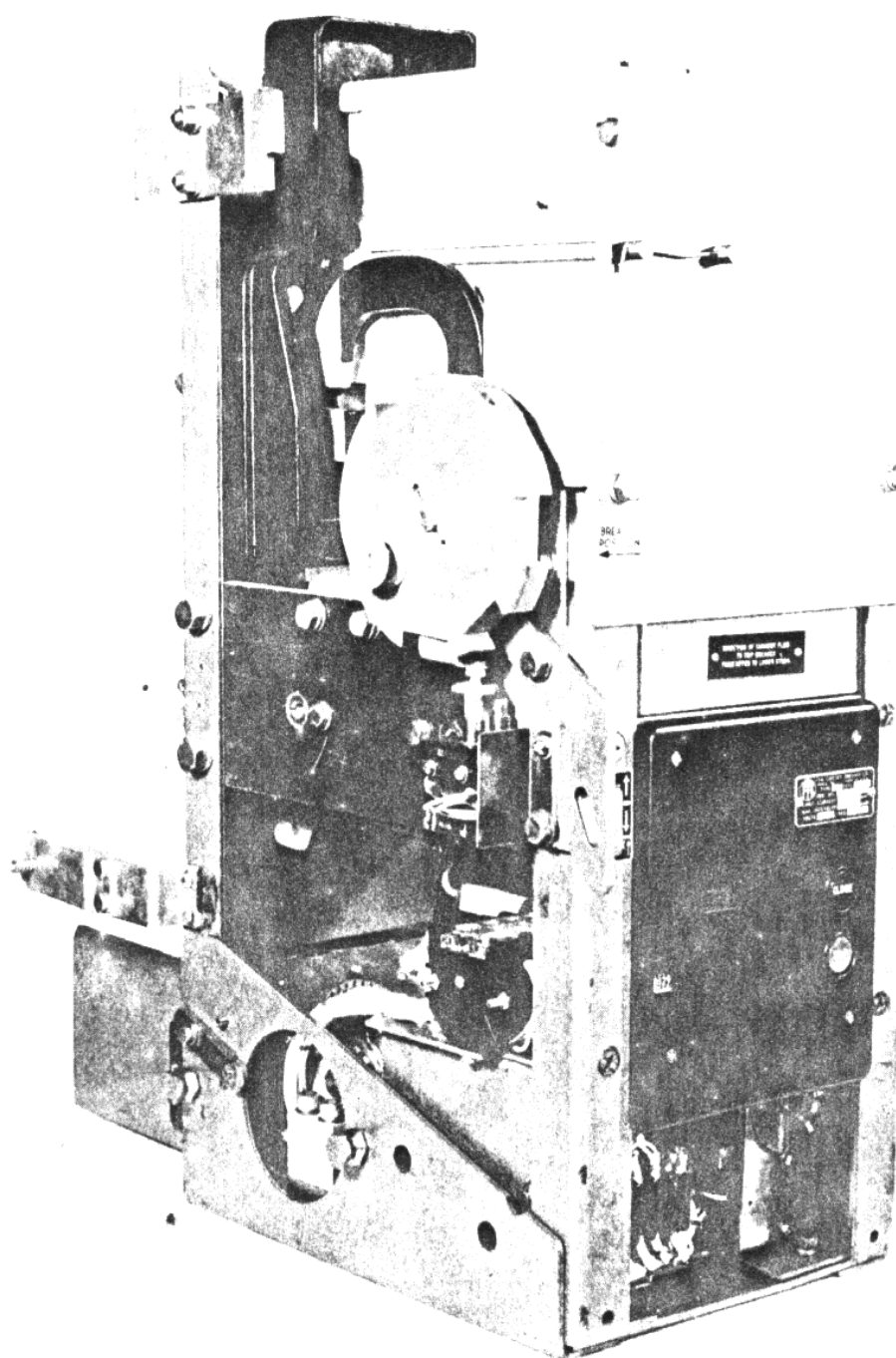
ISSUE B

POWER CIRCUIT BREAKERS—D-C LOW-VOLTAGE

RENEWAL PARTS

TYPE FB CIRCUIT BREAKERS

MANUALLY AND ELECTRICALLY OPERATED

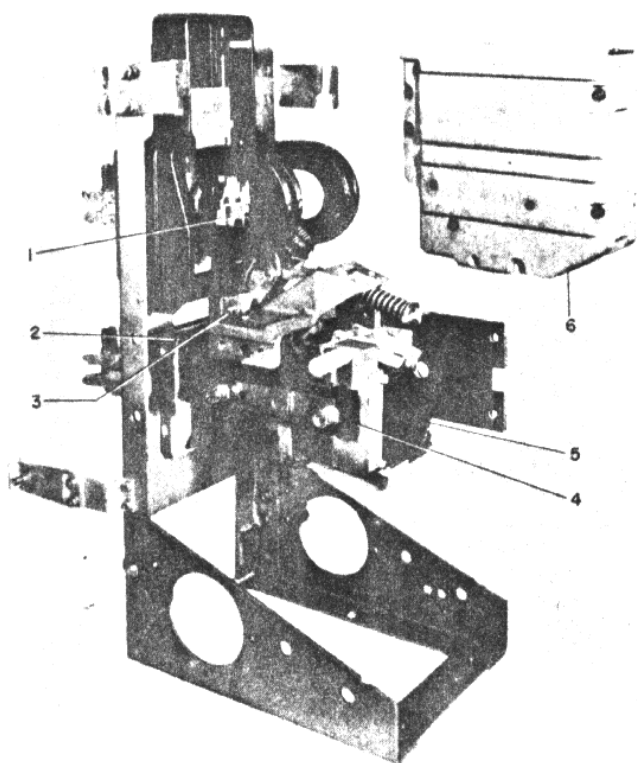


Types

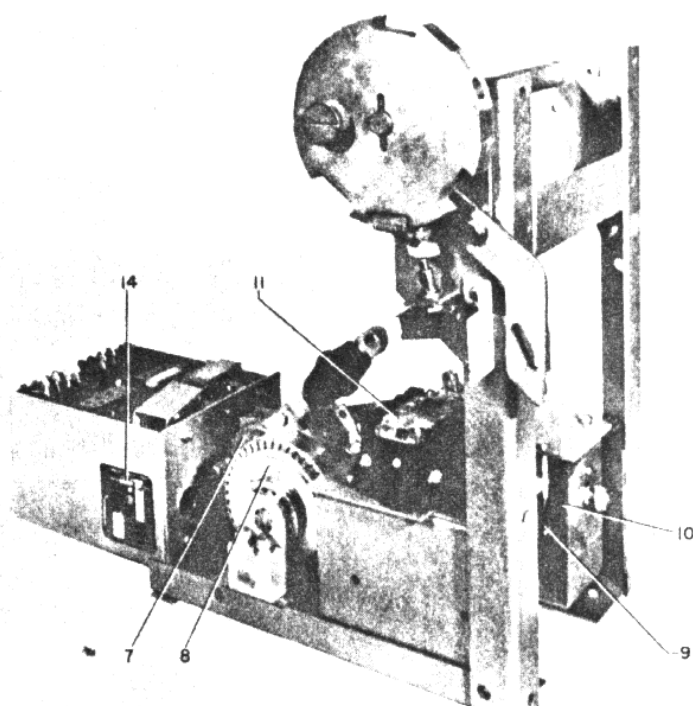
FB-12
FB-20
FB-30
FB-40
FB-50
FB-60
FB-80
FB-100
FB-120



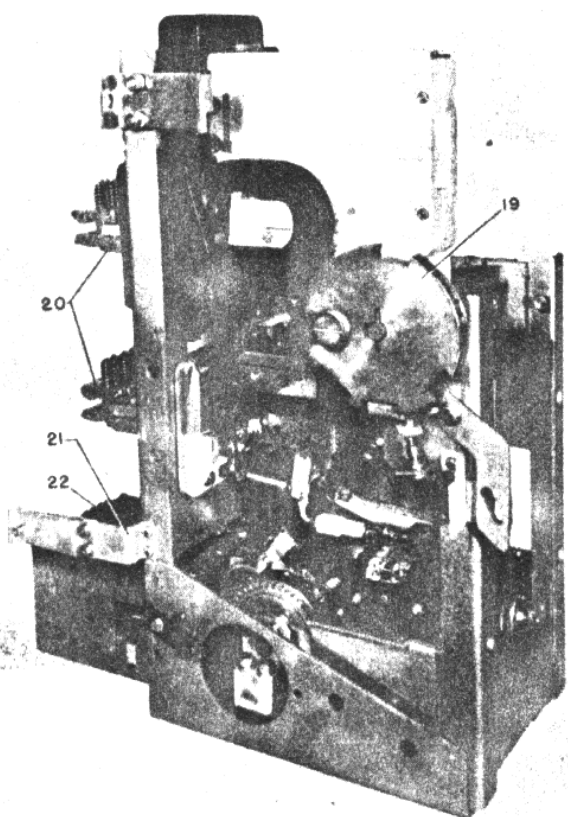
ITE IMPERIAL CORPORATION



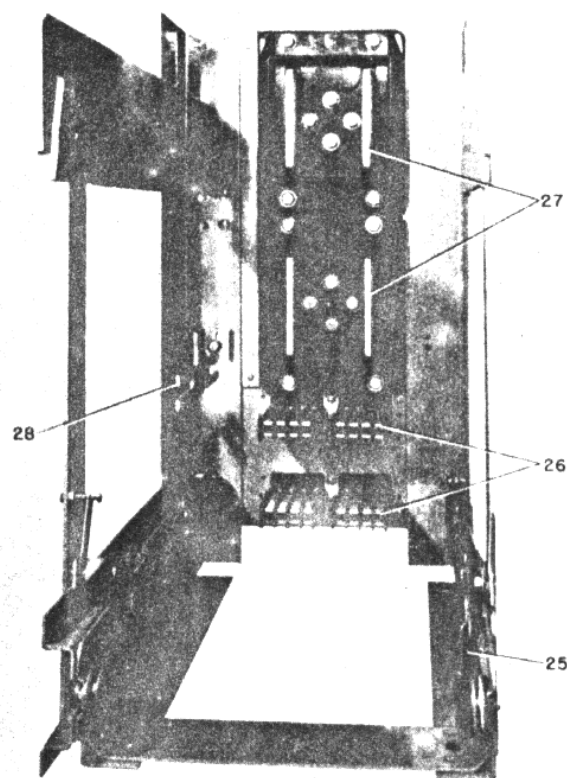
Basic Breaker Assembly - Group A



Sub-Frame Assembly - Group B



Drawout Assembly - Group C



Accessories as Required - Group D

The photographs reproduced in this bulletin are furnished only to serve as a guide in the identification of assemblies and parts, and do not purport to cover all details or variations in equipment.



RENEWAL PARTS FOR
TYPE FB CIRCUIT BREAKERS
1200 TO 12000 AMPERES
MANUALLY AND ELECTRICALLY OPERATED

ITEM	UNIT QUANTITY PER 1 POLE OR 2 POLE BREAKER	DESCRIPTION OF ASSEMBLY OR PART	ORDERING NUMBER
BASIC BREAKER ASSEMBLY - GROUP A			
1	1	Blowout Coil & Stationary Contact (FB-12)	187060-K9
*1A	1	Blowout Coil & Stationary Contact (FB-20)	187807-T1
*1B	1	Blowout Coil & Stationary Contact (FB-30 & 40)	187060-K16
*1C	1	Blowout Coil & Stationary Contact (FB-50 & 60)	187060-K15
2	1	Lower Terminal Assembly (FB-12 & 20)	187328-
*2A	1	Lower Terminal Assembly (FB-30 & 40)	187327-
*2B	1	Lower Terminal Assembly (FB-50 & 60)	187844-
*2C	1	Lower Terminal Assembly (Neg. Disc.) (FB-12 & 20)	187328-
*2D	1	Lower Terminal Assembly (Neg. Disc.) (FB-30 to 60)	187844-
3	1	Moving Contact Assembly (FB-12 to 40)	187116-
*3A	1	Moving Contact Assembly (FB-50 & 60)	187835-
4	1	Bucking Bar Assembly	187991-
5	1	★Magnet & Buffer Assembly	187994-
6	1 per Pole	Arc Chute Assembly (FB-12 & 20)	701637-K9
*6A	1 per Pole	Arc Chute Assembly (FB-30 to 60)	187167-K5
SUB-FRAME ASSEMBLY - GROUP B			
▲ 7	1	★Motor	707575-
8	1	Clutch & Main Shaft Assembly (1 Pole)	187843-T3
*8A	1	Clutch & Main Shaft Assembly (2 Pole)	187843-T1
*8B	1	Clutch & Main Shaft Assembly (L.H.Pole/Neg. Disc.)	187843-T2
▲ 9	1	★Relay Assembly	187803-
▲ 10	1	★Calibration Resistor (1600 Ohms) (Rheostat Type)	187334-C
▲ *10A	1	★Calibration Resistor (5000 Ohms) (Rheostat Type)	187334-D
11	1	Auxiliary Switch (A1, A2) (B1, B2)	700034-
*12	1	Auxiliary Switch (A3)	186653-A
▲ *13	1	★Motor Resistor (25 Ohms) (Rheostat Type)	187334-A
▲ *13A	1	★Motor Resistor (100 Ohms) (Rheostat Type)	187334-B
▲ *13B	1	★Motor Resistor (15 Ohms) (Adjustable Type)	53246-A8
14	1	OD-FB1 or 3 or 7 Overcurrent Trip Assembly (Give Nameplate Data)	187520-
▲ *15	1	★Rectifier (1 Stack)	701138-A
▲ *16	1	★Resistor (5,000 Ohms)	650556-C
▲ *16A	1	★Resistor (10,000 Ohms)	650556-B
▲ *17	1	Capacitor (1 MFD) (250 Vdc) (2 Pole)	101622-A
*18	As Req'd.	Terminal Block (8 Point) (Stationary FB Breakers)	158731-K12

*NOT SHOWN

★GIVE VOLTAGE RATING

FOR ORDERING INSTRUCTIONS REFER TO PAGE 4



ITEM	UNIT QUANTITY PER 1 POLE OR 2 POLE BREAKER	DESCRIPTION OF ASSEMBLY OR PART	ORDERING NUMBER
DRAWOUT ASSEMBLY - GROUP C			
19	1	Racking Assembly (1 Pole)	187808-K11 187837-T8
*19A	1	Racking Assembly (1 Pole Neg. Disc.) (2 Pole)	
20	As Req'd.	Moving Main Separable Contact Assembly	703568-K1
21	1	Moving Ground Contact (1 Pole)	187527-K1 187527-K2
*21A	1	Moving Ground Contact (1 Pole Neg. Disc.) (2 Pole)	
22	As Req'd.	Moving Control Separable Contact Assembly	703153-K1
*23	1	Interference Block (FB-12 & 20)	703780-B 187768-A
*23A	1	Interference Block (FB-30 to 60)	
ACCESSORIES AS REQUIRED - GROUP D			
*24	1	Operating Handle	650058-E
25	1	Cradle Assembly (1 Pole)	187317- 187840-
*25A	1	Cradle Assembly (2 Pole)	
26	4	Stationary Control Separable Contact Assembly	703152-K2
27	2	Stationary Contact Base Assembly (FB-12 & 20)	187328-K3 187841-T1 187841-T4
*27A	2	Stationary Contact Base Assembly (FB-30 & 40)	
*27B	2	Stationary Contact Base Assembly (FB-50 & 60)	
28	1	Stationary Ground Contact	702483-A
*GENERAL PURPOSE ENCLOSURE ASSEMBLY - GROUP E			
*29	1	Cradle, Enclosure & Back Box (1 Pole)	187801- 188274-
*29A	1	Cradle, Enclosure & Back Box (2 Pole)	

*NOT SHOWN

*NOT SHOWN

GENERAL NOTES

- Recommended quantities are as follows:
DOMESTIC - One (1) complete set for each ten (10) breakers or fraction thereof installed for each rating.
FOREIGN - One (1) complete set for each five (5) breakers or fraction thereof installed for each rating.
NOTE: Items marked with triangle (▲) are minimum that should be ordered for normal duty applications. For heavy duty applications, all applicable items should be ordered.
- The parts listed cover an indefinite period of time. With normal duty and maintenance, replacement will be infrequent.
- Standard hardware (screws, nuts, lockwashers, etc.) is not included with the parts.

- Where continuity of service is mandatory, a spare breaker is recommended.

ORDERING INSTRUCTIONS

- Specify serial number from breaker nameplate, original purchase order number and I-T-E sales order number in addition to part description and ordering number.
- State control voltage and frequency when ordering electrical assemblies containing coils. Allow for split control applications.
- When requesting Renewal Parts for Type FB-80, FB-100 and FB-120 circuit breakers, use items for FB-60 included in this bulletin and refer to factory.

FOR PRICES AND TECHNICAL INFORMATION, REFER TO THE NEAREST OFFICE OF I-T-E IMPERIAL CORPORATION.



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