RP-5401A

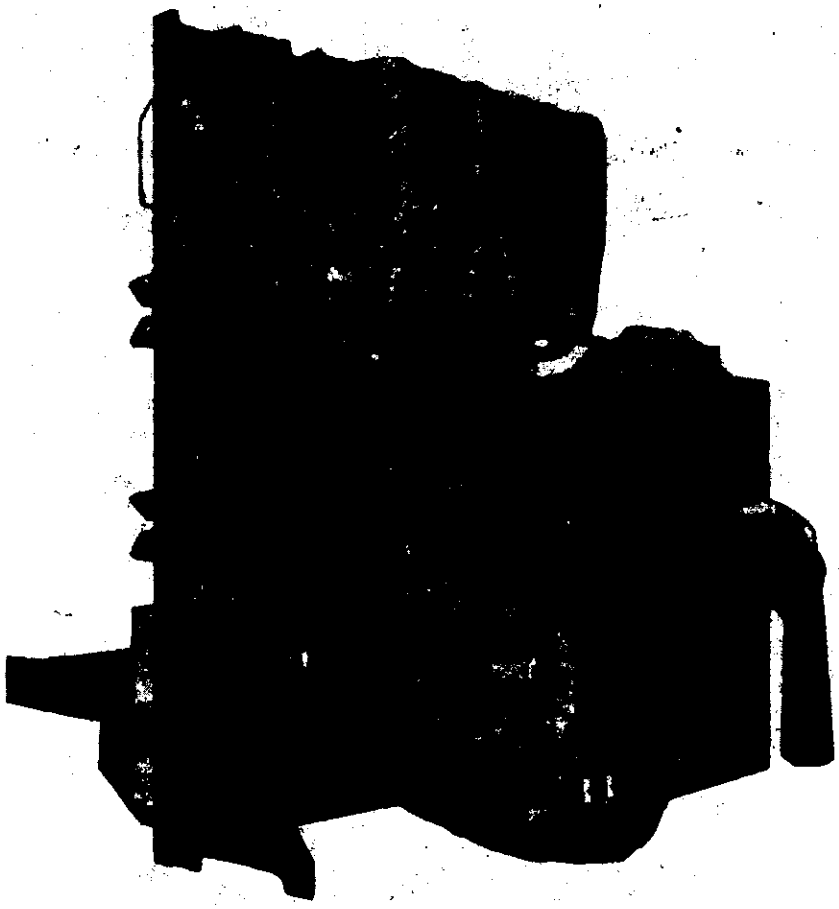
LOW VOLTAGE SWITCHGEAR

RENEWAL PARTS

TYPE KB
CIRCUIT BREAKERS

(METAL BASE)

(MODELS B, C, D AND E)



I-T-E CIRCUIT BREAKER COMPANY • PHILADELPHIA 30, PENNSYLVANIA

PRINTED IN U. S. A. 3-58 4M

SUPERSEDES RP-5401
DATED SEPTEMBER 1954

RENEWAL PARTS FOR TYPE KB CIRCUIT BREAKERS

(METAL BASE)

Since your circuit breaker equipment and its accessories, provide insurance, a considerable investment which is dependent upon the continuity of operation, we strongly recommend that you have on hand certain recommended spare parts which are considered necessary for normal maintenance. You will, therefore, find listed on page 11 of this bulletin recommended spare parts, and we suggest that you equip yourself with these maintenance items in order to insure the protection to which you are entitled.

HOW TO USE THIS BULLETIN

1. Identify the required part with the aid of the cutaway views on pages No. 3 and 4 and the part photographs on pages 5-6-7. The number appearing beside the part illustration is the **INDEX NUMBER.**
2. You will find this index number shown in the first column of the table on pages 8, 9, 10 and 11. Read across the table and find the **ORDERING NUMBER.**
3. Parts indicated by (x) are interchangeable with breakers of such types and Serial prefixed letter as shown in the table.

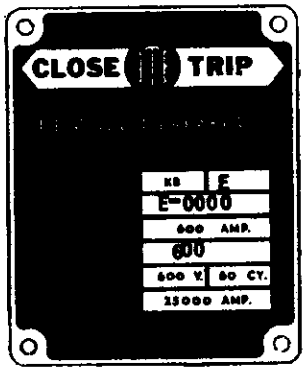
   For example:
   If there are three types of breakers for which parts are required:

   Type KA Serial H101
   Type KB Serial E101
   Type KC Serial G101

   and the following part is required:
   Index 7, Part 5411, operating handle assembly,

   it may be seen by the (x) indication that this part can be used for these three type breakers.

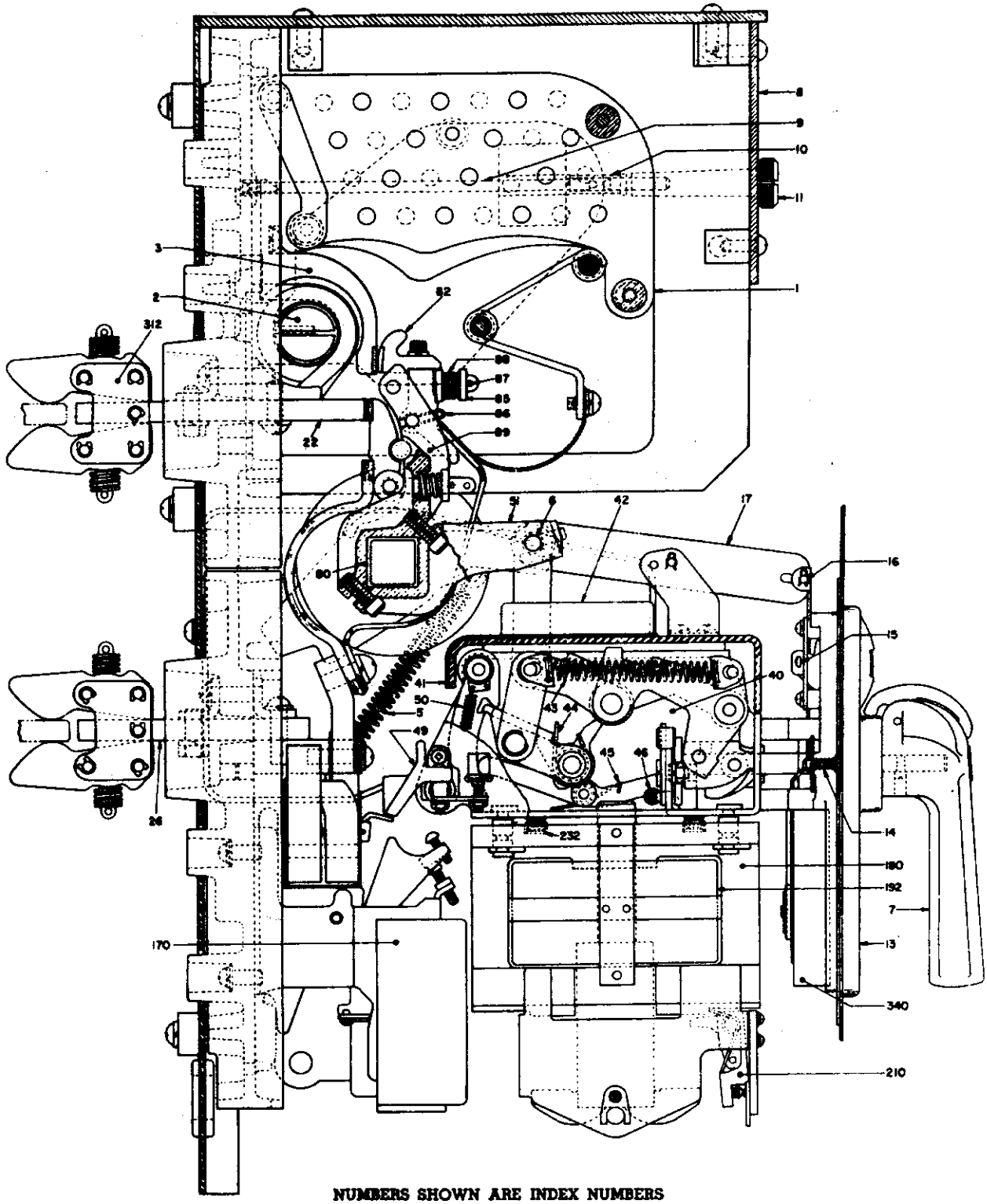
WHEN ORDERING RENEWAL PARTS, give the Type and Serial prefix letter and Serial number shown on Nameplate of Breaker or Urelite (Sample below). Also, give this Bulletin Number (RP-5401A) and Ordering Number for each part required.



Inquiries on items marked "Refer to Factory" must be accompanied by complete nameplate data.

The parts illustrated in this Renewal Parts Bulletin are typical for each type of breaker shown, and are based on a (3) pole circuit breaker construction.

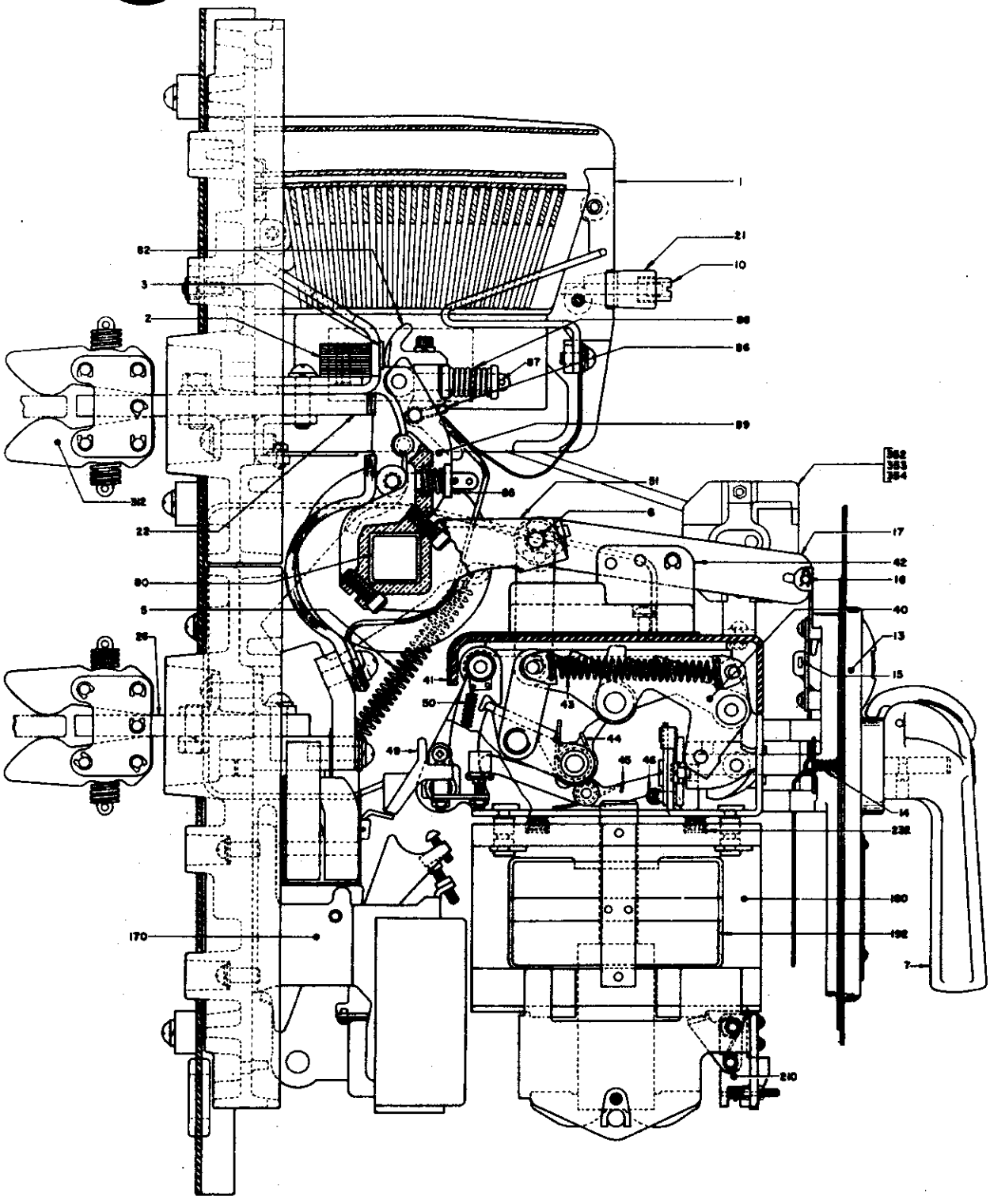
FOR PRICES AND TECHNICAL INFORMATION, REFER TO THE NEAREST OFFICE OF I-T-E CIRCUIT BREAKER COMPANY. (SEE BACK OF BULLETIN.)



NUMBERS SHOWN ARE INDEX NUMBERS

Type KB Circuit Breaker
A-C Electrically Operated
(Models B, C and D)

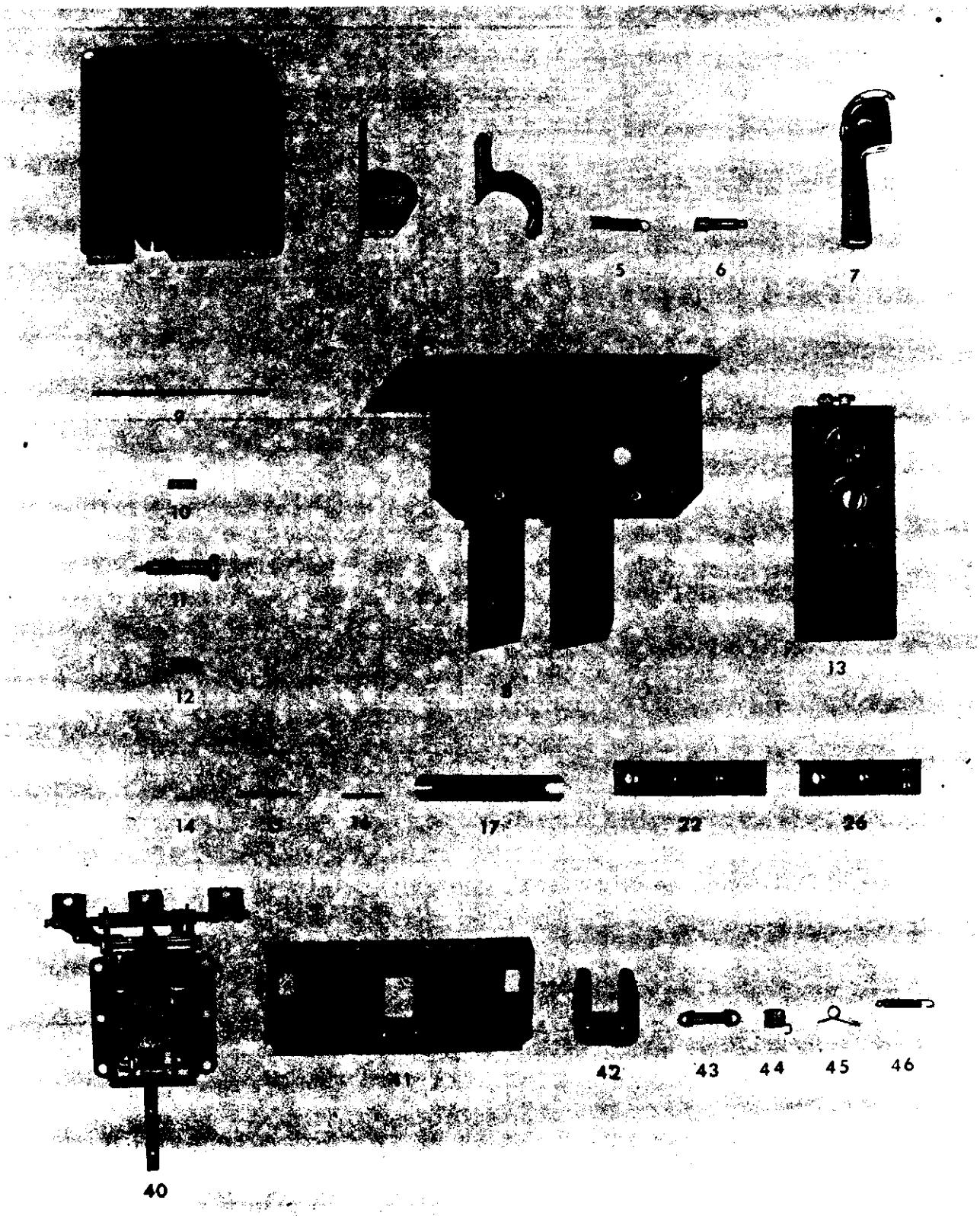
Dwg. No. S-13866



NUMBERS SHOWN ARE INDEX NUMBERS

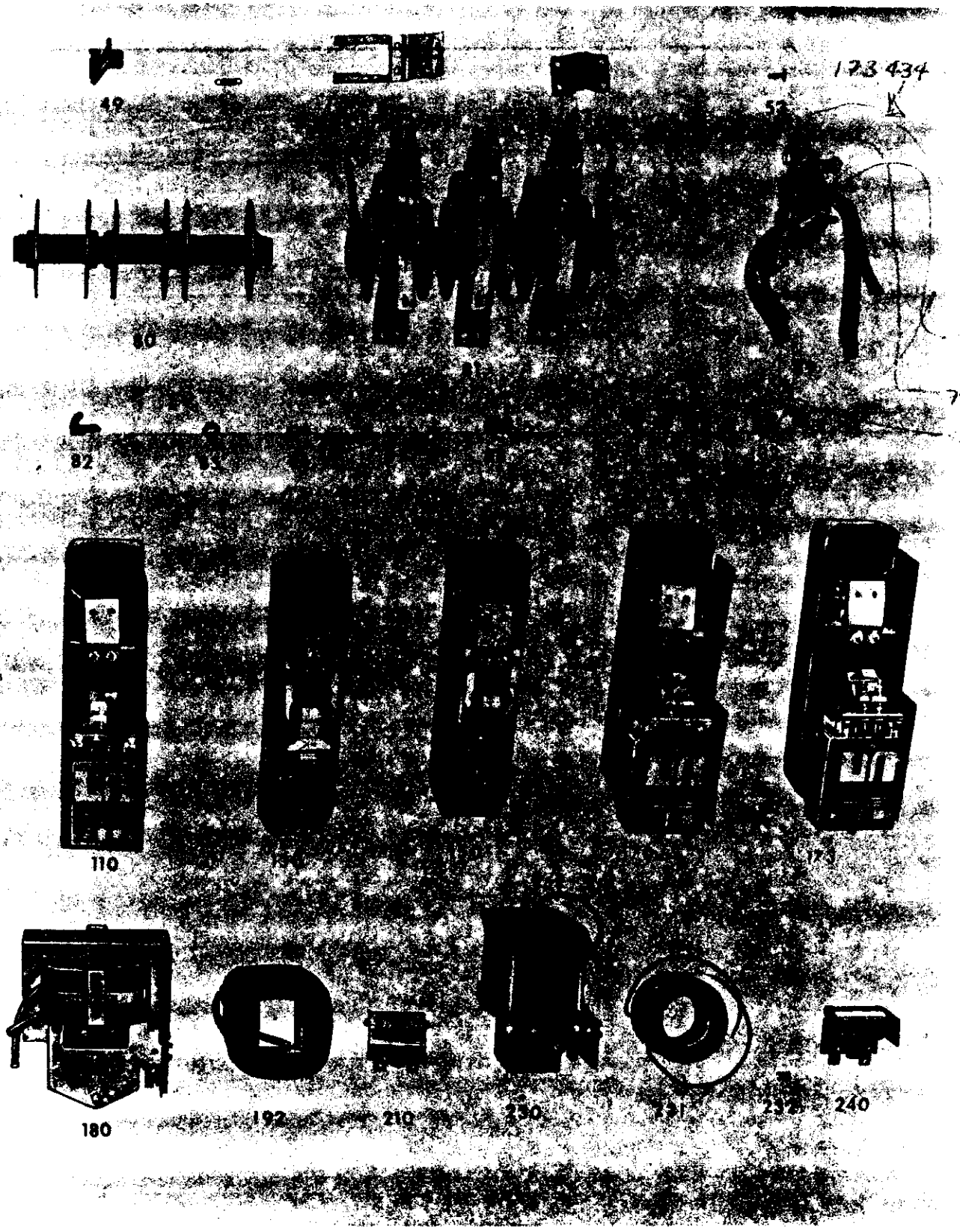
Type KB Circuit Breaker
A-C Electrically Operated
(Model E)

Dwg. No. S-14341



NUMBERS SHOWN ARE INDEX NUMBERS

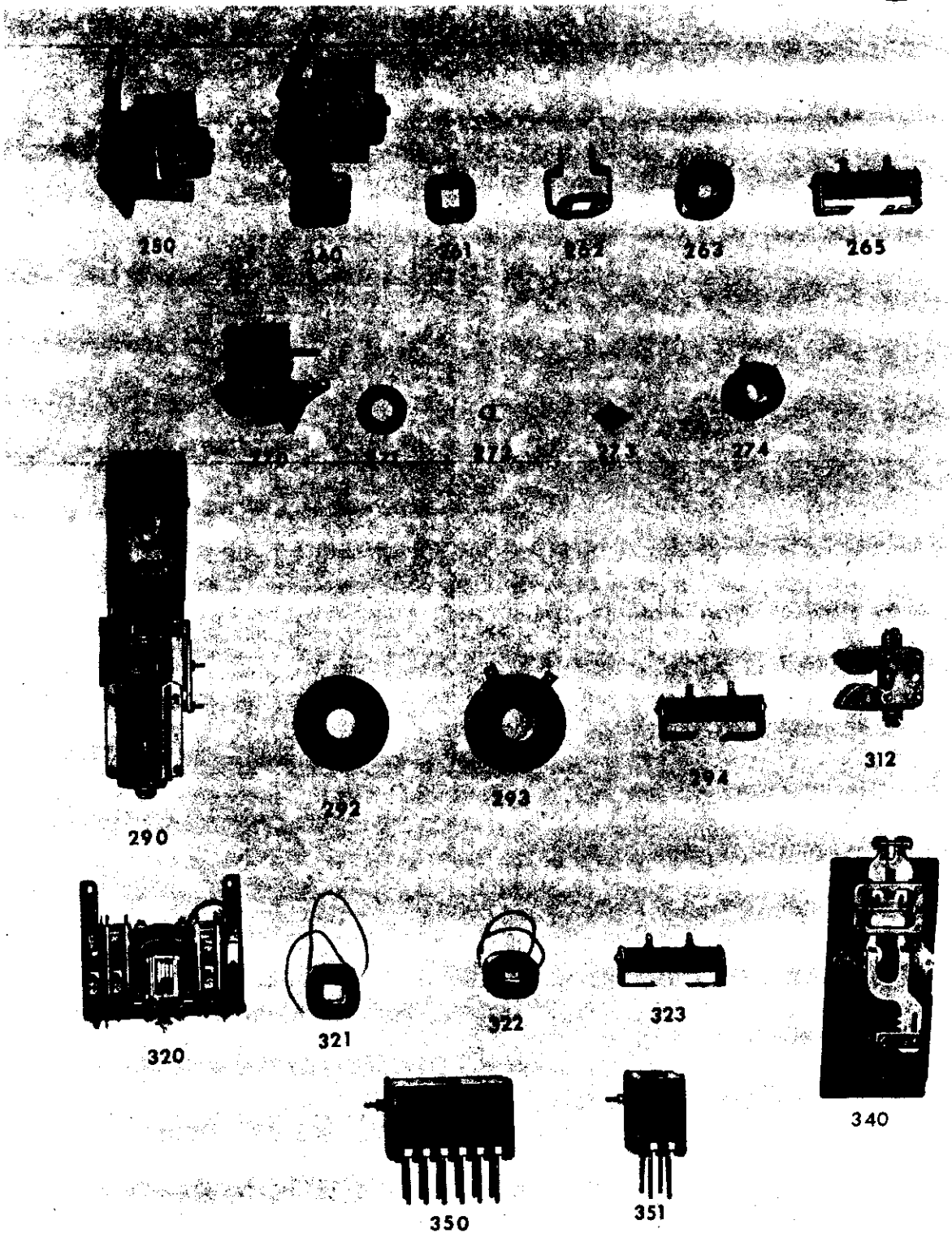
Photo 21025



NUMBERS SHOWN ARE INDEX NUMBERS

Photo 21026

FOR PRICES AND TECHNICAL INFORMATION, REFER TO THE NEAREST OFFICE OF I-T-E CIRCUIT BREAKER COMPANY. (SEE BACK OF BULLETIN.)



NUMBERS SHOWN ARE INDEX NUMBERS

Photo 21027

RENEWAL PARTS FOR
TYPE KB CIRCUIT BREAKERS
(METAL BASE)

Photos shown are for the latest types circuit breakers. Index numbers are based on part functions. Parts may have entirely different appearance, but accomplish the same function. Where modern parts are interchangeable, they will be supplied.

INDEX No.	TYPE BREAKER													BRKR. UNIT QUAN.	ORDERING NUMBER	NAME OF PART
	KA				KB				KC							
	SERIAL PREFIX LETTER															
	E	F	G	H	B	C	D	E	C	D	E	F	G			
1					x									3	5505	Arc Chute Assembly
1						x	x							3	5506	Arc Chute Assembly
1								x						3	5648	Arc Chute Assembly
2					x	x	x							3	5507	Blowout Coil Assembly
2								x						3	5649	Blowout Core Assembly
3					x	x	x							3	5508	Stationary Horn and Arcing Contact
3								x						3	5650	Rear Arc Horn Assembly
5					x	x	x	x						2	5509	Opening Spring Assembly
6					x	x	x	x						1	5510	Contact Arm Cap Pin
7	x	x	x	x	x	x	x	x	x	x	x	x	x	1	5411	Operating Handle Assembly
8					x									1	5511	Hooded Barrier Assembly (1, 2, 3 Pole)
8						x	x							1	5512	Hooded Barrier Assembly (1, 2, 3 Pole)
9					x	x	x		x	x	x	x	x	6	5414	Arc Chute Mounting Stud
10					x				x					6	5415	Retaining Nut for Mounting Stud (Arc Chute)
10						x	x			x	x	x	x	6	5416	Retaining Nut for Mounting Stud (Arc Chute)
10								x						2	5651	Retaining Nut for Mounting Stud Assembly (Arc Chute)
11					x	x	x		x	x	x	x	x	2	5417	Retainer Stud (Hooded Barrier)
12					x	x	x	x						2	5513	Contact Arm Bearing
13	x	x	x	x	x	x	x	x	x	x	x	x	x	1	5418	Escutcheon Assembly
13			x	x			x	x				x	x	1	5628	Escutcheon Assembly (Extendible)
14	x	x	x	x	x	x	x	x	x	x	x	x	x	2	5419	Dust Plate Spring (Escutcheon)
14			x	x			x	x				x	x	2	5629	Dust Plate Spring (Escutcheon) (Extendible)
15	x	x	x	x	x	x	x	x	x	x	x	x	x	1	5420	Visual Link Pin (Escutcheon)
15							x	x				x	x	1	5630	Visual Link Pin (Escutcheon)
16	x	x	x	x	x	x	x	x	x	x	x	x	x	1	5421	Slider Link Pin (Escutcheon)
17					x	x	x	x	x	x	x	x	x	1	5422	Visual Operating Link
17							x	x						1	5652	Visual Operating Lever
21								x						2	5653	Support Clamp (Arc Chute) (1, 2, 3 Pole)
22					x	x	x							3	5514	Upper Current Stud and Main Contact
22								x						3	5654	Upper Current Stud and Main Contact
26					x	x	x	x						3	5515	Lower Current Stud (State Rating)
40					x	x								1	5516	Operating Mech. Assembly (Complete)
40							x	x						1	5655	Operating Mech. Assembly (Complete)
41					x	x								1	5517	Shelf Insulation (Mech.)
41							x	x						1	5656	Shelf Insulation (Mech.)
42					x	x								1	5518	Bumper Block
42							x	x						1	5657	Bumper Block
43					x	x								1	5519	Reset Spring Assembly (Mech.)
43							x	x						1	5658	Reset Spring Assembly (Mech.)
44					x	x	x	x						1	5520	Toggle Latch Spring (Mech.)
45					x	x	x	x						1	5521	Trip Lever Spring (Mech.)
46					x	x	x	x						1	5522	Centering Arm Spring (Mech.)
49					x									3	5523	Tripper Bar Molding
49						x	x	x						3	5524	Tripper Bar Molding Assembly
50	x				x	x	x	x						1	5525	Tripper Bar Spring (Mech.)

FOR PRICES AND TECHNICAL INFORMATION, REFER TO THE NEAREST OFFICE OF I-T-E CIRCUIT BREAKER COMPANY. (SEE BACK OF BULLETIN.)

RENEWAL PARTS

(CONTINUED)

INDEX No.	TYPE BREAKER													BRKR. UNIT QUAN.	ORDERING NUMBER	NAME OF PART
	KA				KB				KC							
	SERIAL PREFIX LETTER															
	E	F	G	H	B	C	D	E	C	D	E	F	G			
51					x	x								1	5526	Contact Arm Cap (Center Pole)
51							x	x						1	5659	Contact Arm Cap (Center Pole)
52					x	x	x	x						2	5527	Contact Arm Cap (Outside Poles)
53					x									1	5528	Trip Adjusting Screw
53						x	x	x						1	5529	Trip Adjusting Screw
80					x	x	x	x						1	5530	Contact Bar Assembly
81					x	x	x	x						1	5531	Contact Arm and Bar Assembly (3 Pole)
82					x	x	x	x	x	x	x	x	x	6	5443	Arcing Contact (Moving)
85					x	x	x	x						3	5533	Spring Cup (Outside)
85					x	x	x	x						3	5533	Spring Cup (Inside)
86					x	x	x	x	x	x	x	x	x	3	5447	Spring Clip
87					x	x	x	x	x	x	x	x	x	3	5448	Spring Retainer Pin
88					x	x	x							3	5534	Arcing Contact Spring
88								x						3	5660	Arcing Contact Spring
89					x	x								3	5535	Contact Arm Assembly (1 Per Pole)
89							x							3	5661	Contact Arm Assembly (1 Per Pole)
89								x						3	5662	Contact Arm Assembly (1 Per Pole)
110					x	x	x							3	5536	Instantaneous Ovct. Trip (1 Per Pole) (600 Amp. and Under) (State Capacity)
110								x						3	5663	Instantaneous Ovct. Trip (1 Per Pole) (600 Amp. and Under) (State Capacity)
130					x	x	x	x						3	5537	Dual Overcurrent Trip (1 Per Pole) (600 Amp. and Under) (State Capacity)
131	x	x	x	x	x	x	x	x						3	5538	Knob (Dual Overcurrent Trip)
132	x	x	x	x	x	x	x	x						3	5539	Clamp (Dual Overcurrent Trip)
150					x	x	x	x						3	5540	Thermal Overcurrent Trip (1 Per Pole) (600 Amp. and Under) (State Capacity)
170					x	x	x							3	5541	OD-1 Overcurrent Trip (1 Per Pole) (600 Amp. and Under) (Refer to Factory)
170								x						3	5664	OD-1 Overcurrent Trip (1 Per Pole) (600 Amp. and Under) (Refer to Factory)
173					x	x	x							3	5542	OD-2 Overcurrent Trip (600 Amp. and Under) (1 Per Pole) (Refer to Factory)
173								x						3	5665	OD-2 Overcurrent Trip (600 Amp. and Under) (1 Per Pole) (Refer to Factory)
180					x	x								1	5543	A.C. Solenoid Magnet, Coil and Solenoid Switch (Complete) (Refer to Factory)
180							x	x						1	5666	A.C. Solenoid Magnet, Coil and Solenoid Switch (Complete) (Refer to Factory)
192					x	x	x	x						1	5544	A.C. Solenoid Coil (Refer to Factory)
210					x	x								1	5545	A.C. Solenoid Switch Assembly
210							x	x						1	5667	A.C. Solenoid Switch Assembly
230					x	x								1	5546	D.C. Solenoid Magnet, Plunger, Coil and Solenoid Switch (Complete) (Refer to Factory)
230							x	x						1	5668	D.C. Solenoid Magnet, Plunger, Coil and Solenoid Switch (Complete) (Refer to Factory)
231					x	x	x	x						1	5547	D.C. Solenoid Coil (Refer to Factory)
232					x	x	x	x						4	5548	Solenoid Shock Spring (A.C. or D.C.)
240					x	x								1	5549	D.C. Solenoid Switch Assembly
240							x	x						1	5669	D.C. Solenoid Switch Assembly
250					x	x								1	5550	Undervoltage Trip (Instantaneous) (State Volt. and Freq.)
250							x	x						1	5670	Undervoltage Trip (Instantaneous) (State Volt. and Freq.)

RENEWAL PARTS

(CONTINUED)

INDEX No.	TYPE BREAKER													BRKR. UNIT QUAN.	ORDERING NUMBER	NAME OF PART
	KA				KB				KC							
	SERIAL PREFIX LETTER															
	E	F	G	H	B	C	D	E	C	D	E	F	G			
260					x	x								1	5551	Undervoltage Trip (Time Delay) (State Volt. and Freq.)
260							x	x						1	5671	Undervoltage Trip (Time Delay) (State Volt. and Freq.)
261					x	x	x	x	x	x	x	x	x	1	5471	Undervoltage Trip Coil Washer
262					x	x	x	x	x	x	x	x	x	1	5472	Undervoltage Trip Coil Support
263					x	x	x	x	x	x	x	x	x	1	5473	Undervoltage Trip Coil (State Volt. and Freq.)
265					x	x			x	x	x				5474	Undervoltage Trip Resistor (State Voltage)
265							x	x				x	x	1	5641	Undervoltage Trip Resistor (State Voltage)
270					x	x	x	x	x	x	x	x	x	1	5475	Shunt Trip (Complete) (State Volt. and Freq.)
271					x	x	x	x	x	x	x	x	x	2	5476	Shunt Trip Coil Washer
272					x	x	x	x	x	x	x	x	x	1	5477	Shunt Trip Lever Spring
273					x	x	x	x	x	x	x	x	x	1	5478	Shunt Trip Coil Retaining Spring
274					x	x	x	x	x	x	x	x	x	1	5479	Shunt Trip Coil (State Volt. and Freq.)
290					x	x	x	x						1	5552	Reverse Current Trip (Complete) (Refer to Factory) (State Volt. and Freq.)
292					x	x	x	x	x	x	x	x	x	1	5481	Reverse Current Shunt Coil Washer
293					x	x	x	x	x	x	x	x	x	1	5482	Reverse Current Shunt Coil (State Volt. and Freq.)
294					x	x	x	x	x	x	x	x	x	1	5483	Reverse Current Resistor (State Volt.)
310*					x	x	x							1	5553	Front Cover Assembly (Complete) (Refer to Factory)
310*								x						1	5672	Front Cover Assembly (Complete) (Refer to Factory)
311*					x	x	x							1	5554	Back Box Assembly (Complete) (Refer to Factory)
311*								x						1	5673	Back Box Assembly (Complete) (Refer to Factory)
312					x	x	x	x						6	5555	Main Separable Contact Assembly (Moving)
320†					x	x	x	x	x	x	x	x	x	1	5488	R-14 Control Relay (Complete) (State Volt. and Freq.)
321					x	x	x	x	x	x	x	x	x	1	5489	R-14 Control Relay Pick-Up Coil (State Volt. and Freq.)
322					x	x	x	x	x	x	x	x	x	1	5490	R-14 Control Relay Holding Coil (State Volt. and Freq.)
323					x	x			x	x	x			1	5491	R-14 Control Relay Resistor (State Volt.)
323							x	x				x	x	1	5644	R-14 Control Relay Resistor (State Volt.)
330*	x	x			x	x			x	x	x			△	5825	Type M4 Auxiliary Switch (Complete)
340	x	x	x	x	x	x	x	x	x	x	x	x	x	1	5492	Type ML Latched Contact Switch (Complete)
340‡					x	x			x	x	x			1	5495	Type LL Latched Contact Switch (Complete)
350§					x	x			x	x	x			1	5493	Type L Auxiliary Switch (Complete) (6 Contact) (Back Connected)
350§					x	x			x	x	x			1	5496	Type L Auxiliary Switch (Complete) (6 Contact) (Front Connected)
351§					x	x			x	x	x			1	5494	Type L Auxiliary Switch (Complete) (2 Contact) (Back Connected)
351§					x	x			x	x	x			1	5497	Type L Auxiliary Switch (Complete) (2 Contact) (Front Connected)
352*			x	x			x	x				x	x	△	5645	Type L2 Auxiliary Switch (Complete) (2 Contact)
353*			x	x			x	x				x	x	△	5646	Type L2 Auxiliary Switch (Complete) (4 Contact)
354*			x	x			x	x				x	x	△	5647	Type L2 Auxiliary Switch (Complete) (6 Contact)

* Not shown.

† Refer to Bulletin RP-1003-R14.

‡ Refer to Bulletin RP-1003-AS.

§ Refer to Bulletin RP-1003-AUX.

△ Quantities as required.

GENERAL ORDERING INFORMATION FOR RENEWAL PARTS

Send all correspondence and orders to the nearest office of the I-T-E Circuit Breaker Company's Representative.

When ordering renewal parts, always give the type, serial number stamped on the circuit breaker nameplate, together with the ampere and voltage rating. The renewal parts bulletin number, the index number and name of part must be given, or send sample of the part required.

DELIVERY

Unless otherwise specified, all products are shipped F.O.B. cars at plant of manufacture regardless of transportation costs being "allowed," "prepaid," or "collect." Claims for shortages, breakage or damage in shipment must be made by the Purchaser as Consignee.

FREIGHT SHIPMENTS

On shipments of 100 lbs. or over freight will be allowed to nearest railroad freight station in the Continental United States with delivery service (store-door delivery) where common carrier provides such service. The I-T-E Circuit Breaker reserves the right to specify method of transportation and routing of shipment.

EXPRESS SHIPMENTS

On shipment of 100 lbs. or over an allowance equal to the expense of freight shipment will be made.

PARCEL POST SHIPMENT

No allowance regardless of weight.

DEFECTIVE MATERIAL AND WORKMANSHIP WARRANTY

Should latent defects in materials and workmanship develop within one year from date of shipment, the Company will either repair the defective part or parts, free of charge, F.O.B. point of shipment, provided the Company is given the opportunity to confirm the existence of defects. The Company is not liable for contingent or consequential damages or expense in connection with the operation of apparatus.

REPAIR POLICY

Extensive repairs to circuit breaker devices should be made at the factory. Upon receipt of the device at the factory (carrying charges prepaid), an estimate of total cost will be made and authorization requested before proceeding with the work.

When repairs must be made in the field, spare part information and recommendations will be furnished upon receipt of the serial number and complete name plate information.

See note under heading *Returned Material* as any repair transaction will be expedited if handled in the proper manner.

RETURNED MATERIAL

The return of apparatus will not be permitted under any condition without proper authorization and instructions from the factory. Goods returned without complete identification in accordance with our instructions or without charges prepaid will not be accepted.

MINIMUM BILLING

The minimum billing shall be $5.00 plus transportation charges.

CONDITIONS OF SALE

We are not responsible for any loss, damage, detention or delay caused by fire, strike, civil or military authority, or by insurrection, or by any other cause which is unavoidable or beyond our reasonable control; nor for consequential damages.

We are not responsible for charges for installing apparatus which has been repaired or replaced, or for resulting loss of service.