



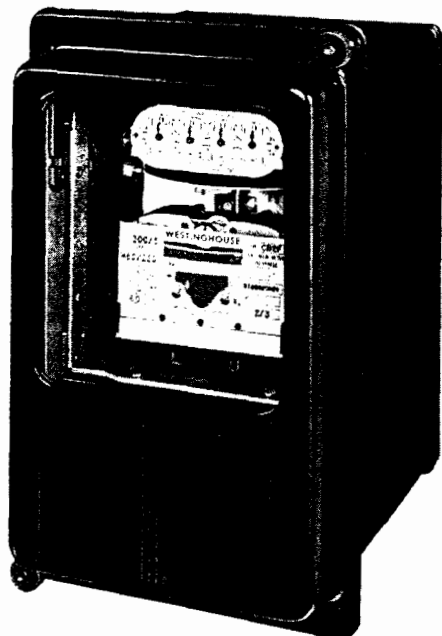
CB and CB-F switchboard watthour meters

single phase and polyphase

renewal
parts data

42-201A1

page 1



CB-2F meter in old type M case



CB-2F meter in new type FT case

ordering information

- Name the part and give its style number
- Give the complete nameplate reading
- Send all orders or correspondence to nearest sales office of the company

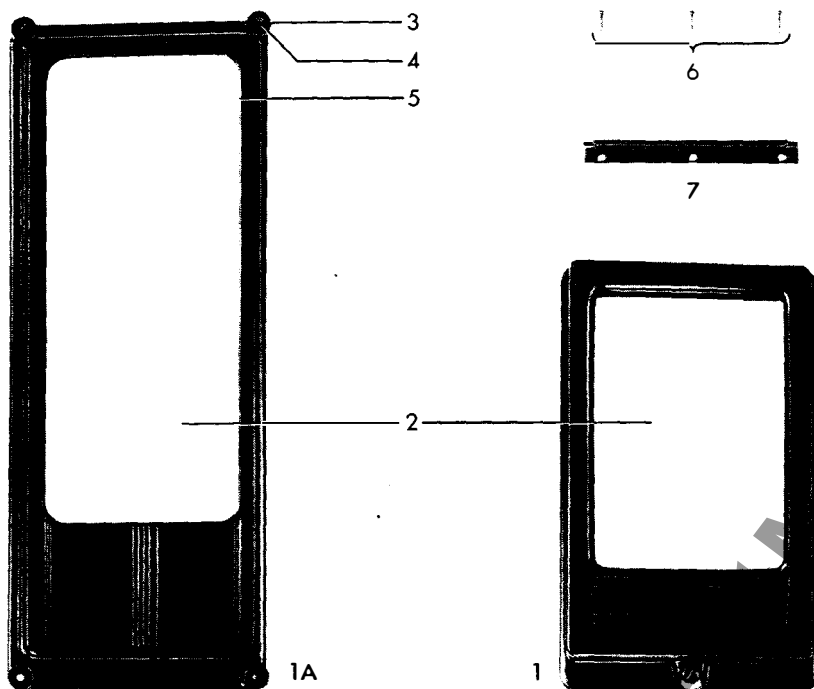
further information

- For all standard rectangular assembly parts refer to nearest sales office.
- For old Flexitest case parts refer to nearest sales office.
- For new Flexitest case parts refer to Renewal Parts Data 41-076A1.
- For Types CB-32 and CB-38 parts refer to nearest sales office.
- For Type OB registers refer to Renewal Parts Data 42-110 pages 8-13.
- For tool kit refer to Renewal Parts Data 42-110 page 20.
- For RW register parts refer to Renewal Parts Data 42-315.

May, 1962

supersedes rpd 42-104-1 dated June 1947
mailed to: E, D and C/1614

cover assembly and parts

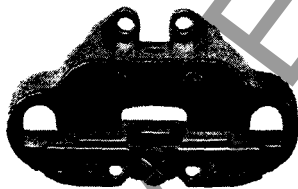


ref. no.	description of part	new type CB-F CB-2F, CB-8F	new type CB-3F	old type CB-F CB-2F, CB-8F	old type CB-3F
		style number of part			
1	complete cover assembly (CB-2F illustrated)	661D009G02	661D009G03		
1A	complete cover assembly (CB-3F illustrated)			1338 443	1338 130
2	glass	282A927H09	282A927H10	1267 465	1267 466
△	clip for holding glass to cover	1731 292	1731 292	836 123	836 123
△	hexagon machine screw nut for mounting clip			283A852H02	283A852H02
△	felt for cover to case (top and bottom position)			1269 977	1269 977
△	felt for cover to case (sides)			1269 978	1269 979
4	thumb nut for sealing cover to case			1204 529	1204 529
5	thumb nut retaining ring			1210 518	1210 518
6	gasket	1875 023	1875 024		
7	screw for mounting cover hinge	57D4483H03	57D4483H03		
△	cover hinge	52D6292H02	52D6292H02		
△	round head type 2 sheet metal screw to mounting clip for holding glass	283A932H01	283A932H01		

△ Not illustrated.

Parts indented are included in the part under which they are indented.

permanent magnet assembly-reference 8



frequency	wire	amperes	type	magnet strength	style number
60	2 & 3	2½ to 15	CB	84	1156 395
60	2	50	CB	92	1333 465
60	3	50	CB	92	1276 775
60	.....	2½ to 50	CB2	171	1205 408
60	.....	2½ to 50	CB8	127	1101 816
60	.....	2½ to 50	CB3	127	1101 816

Parts listed are for 60 cycle only, for other frequencies, refer to nearest Westinghouse sales office.



protective relays type CO-2, 5, 6, 7, 8, 9, 11

renewal
parts data

41-101A1

page 1

in FT-11 case*

ordering information

- Give style number and name of part
- Give the complete nameplate reading.
- State method of shipment desired.
- Send all orders or correspondence to nearest sales office of the company.

* refer to RPD 41-076A1
for parts information on
type FT-11 Flexitest cases

This publication applies to relays with
the following numbers:



type CO-2 overcurrent relay

style numbers of circuit closing relays (50 or 60 cycles)

non-torque control relays

single trip			double trip		
1875 221	1875 268	1878 042	1875 314	1875 359	1876 915
1875 222	1875 269	1878 043	1875 315	1875 360	1878 892
1875 223	1875 270	1878 044	1875 316	1875 361	1878 934
1875 224	1875 271	1878 045	1875 317	1875 362	1878 941
1875 225	1875 272	1878 046	1875 318	1875 363	1878 942
1875 226	1875 273	1878 943	1875 319	1875 364	1878 987
1875 227	1875 274	1955 358	1875 320	1875 365	1955 309
1875 228	1875 275	1955 701	1875 321	1875 366	1955 325
1875 229	1875 276	1956 000	1875 322	1875 367	1956 303
1875 230	1875 277	1956 030	1875 323	1875 368	1956 840
1875 231	1875 278	1956 116	1875 324	1875 369	1961 036
1875 232	1875 279	1956 119	1875 325	1875 370	
1875 233	1875 280	1956 125	1875 326	1875 371	
1875 234	1875 281	1956 174	1875 327	1875 372	
1875 235	1875 282	1956 405	1875 328	1875 373	
1875 236	1875 283	1956 406	1875 329	1875 374	
1875 237	1875 284	1956 516	1875 330	1875 375	
1875 238	1875 285	1956 547	1875 331	1875 376	
1875 239	1875 286	1956 548	1875 332	1875 377	
1875 240	1875 287	1956 634	1875 333	1875 378	
1875 241	1875 288	1956 635	1875 334	1875 379	
1875 242	1875 289	1956 641	1875 335	1875 380	
1875 243	1875 290	1956 642	1875 336	1875 381	
1875 244	1875 291	1956 682	1875 337	1875 382	
1875 245	1875 292	1956 683	1875 338	1875 383	
1875 246	1875 293	1956 716	1875 339	1875 384	
1875 247	1875 294	1956 751	1875 340	1875 385	
1875 248	1875 295	1956 752	1875 341	1875 386	
1875 249	1875 296	1956 779	1875 342	1875 387	
1875 250	1875 297	1956 782	1875 343	1875 388	
1875 251	1875 298	1956 837	1875 344	1875 389	
1875 252	1875 299	1956 869	1875 345	1875 390	
1875 253	1875 300	1956 871	1875 346	1875 391	
1875 254	1875 301	1961 014	1875 347	1875 392	
1875 255	1875 302	1961 025	1875 348	1875 393	
1875 256	1875 303	1961 061	1875 349	1875 394	
1875 257	1876 900	288B545A16	1875 350	1875 395	
1875 258	1876 901	288B548A16	1875 351	1875 396	
1875 259	1876 902	288B553A25	1875 352	1876 908	
1875 260	1876 903	288B554A25	1875 353	1876 909	
1875 261	1876 904	288B554A33	1875 354	1876 910	
1875 262	1876 905	288B560A16	1875 355	1876 911	
1875 263	1876 906	288B560A26	1875 356	1876 912	
1875 264	1876 907	288B561A16	1875 357	1876 913	
1875 265	1877 981	288B561A30	1875 358	1876 914	
1875 266	1878 040	288B562A16			
1875 267	1878 041				

torque control relays

single trip		
1955 860	288B717A22	288B094A23
1956 685	288B717A23	289B094A24
1956 768	288B717A24	289B432A09
288B715A09	288B718A09	289B432A10
288B715A10	288B718A10	289B432A12
288B715A12	288B718A11	289B432A13
288B715A13	288B718A13	289B432A14
288B715A14	288B718A14	289B432A15
288B715A15	288B718A15	289B432A16
288B715A16	288B718A16	289B432A17
288B715A17	288B718A17	289B432A18
288B715A18	288B718A18	289B432A19
288B715A19	288B718A19	289B432A21
288B715A21	288B718A21	289B432A22
288B715A22	288B718A22	289B432A23
288B715A23	288B718A23	289B432A24
288B715A25	288B718A24	289B432A25
288B716A09	289B093A09	
288B716A10	289B093A10	
288B716A11	289B093A11	
288B716A13	289B093A13	
288B716A14	289B093A14	
288B716A15	289B093A15	
288B716A16	289B093A17	
288B716A17	289B093A18	
288B716A18	289B093A19	
288B716A19	289B093A20	
288B716A20	289B093A21	
288B716A21	289B093A22	
288B716A22	289B093A23	
288B716A23	289B093A24	
288B716A24	289B094A09	
288B717A09	289B094A10	
288B717A10	289B094A11	
288B717A11	289B094A13	
288B717A13	289B094A14	
288B717A14	289B094A15	
288B717A15	289B094A16	
288B717A16	289B094A17	
288B717A17	289B094A18	
288B717A18	289B094A19	
288B717A19	289B094A20	
288B717A20	289B094A21	
288B717A21	289B094A22	

July, 1963

supersedes rpd 41-101A1 dated August, 1958
mailed to: E, D, C/1604



reference number	description of part	style number of part
1	handle with double latch assembly.....	289B882G01
2	nut for frame and handle screws.....	1155 351
★3	electromagnet with tap block and tap plate.....	see table pg. 4
4	insulated tap screw.....	1545 282
5	disc and shaft assembly with lower bearing.....	1878 800
6	lower bearing.....	184A440G01
★7	moving contact, spring and adjuster assembly.....	see table below
8	lower bearing screw and pin.....	1731 959
9	upper bearing screw and pin.....	1732 773
10	dial assembly.....	1878 801
11	insulation for stationary contact.....	33B3110H02
★12	stationary contact (2 required for double trip).....	1732 776
13	contact plate, single trip relay.....	1732 759
14	contact plate, double trip relay.....	818 794
15	adjusting screw.....	718 931
16	permanent magnet.....	see table pg. 4
★17	I.T. unit.....	see table pg. 4
★18	I.C.S. unit.....	see table pg. 4

parts indented are included in the part under which they are indented

★ recommended for stock

moving contact, spring, and adjuster assembly

relay type	style numbers	
	single trip	double trip
CO-2	1878 052	1878 804
CO-5	1878 051	1878 803
CO-6	1878 051	1878 803
CO-7	1878 051	1878 803
CO-8	1878 051	1878 803
CO-9	1878 051	1878 803
CO-11	1878 053	1878 851



magnet style numbers

relay type	style numbers			permanent magnet (reference 16)
	electromagnet (reference 3)			
	ampere rating—50-60 cycles			
	.5 to 2.5	2 to 6	4 to 12	
CO-2	183A475G05	183A475G10	183A475G15	1732 780
CO-5	183A475G06	183A475G11	183A475G16	1732 777
CO-6	183A475G06	183A475G11	183A475G16	1732 779
CO-7	183A475G07	183A475G12	183A475G17	1732 780
CO-8	183A475G08	183A475G13	183A475G18	1732 777
CO-9	183A475G08	183A475G13	183A475G18	1732 777
CO-11	183A475G09	183A475G14	183A475G19	1732 777

with torque control

CO-2	183A476G05	183A476G10	183A476G15	1732 780
CO-5	183A476G06	183A476G11	183A476G16	1732 777
CO-6	183A476G06	183A476G11	183A476G16	1732 779
CO-7	183A476G07	183A476G12	183A476G17	1732 780
CO-8	183A476G08	183A476G13	183A476G18	1732 777
CO-9	183A476G08	183A476G13	183A476G18	1732 777
CO-11	183A476G09	183A476G14	183A476G19	1732 777

ΔIIT unit (reference 17) less stationary contacts

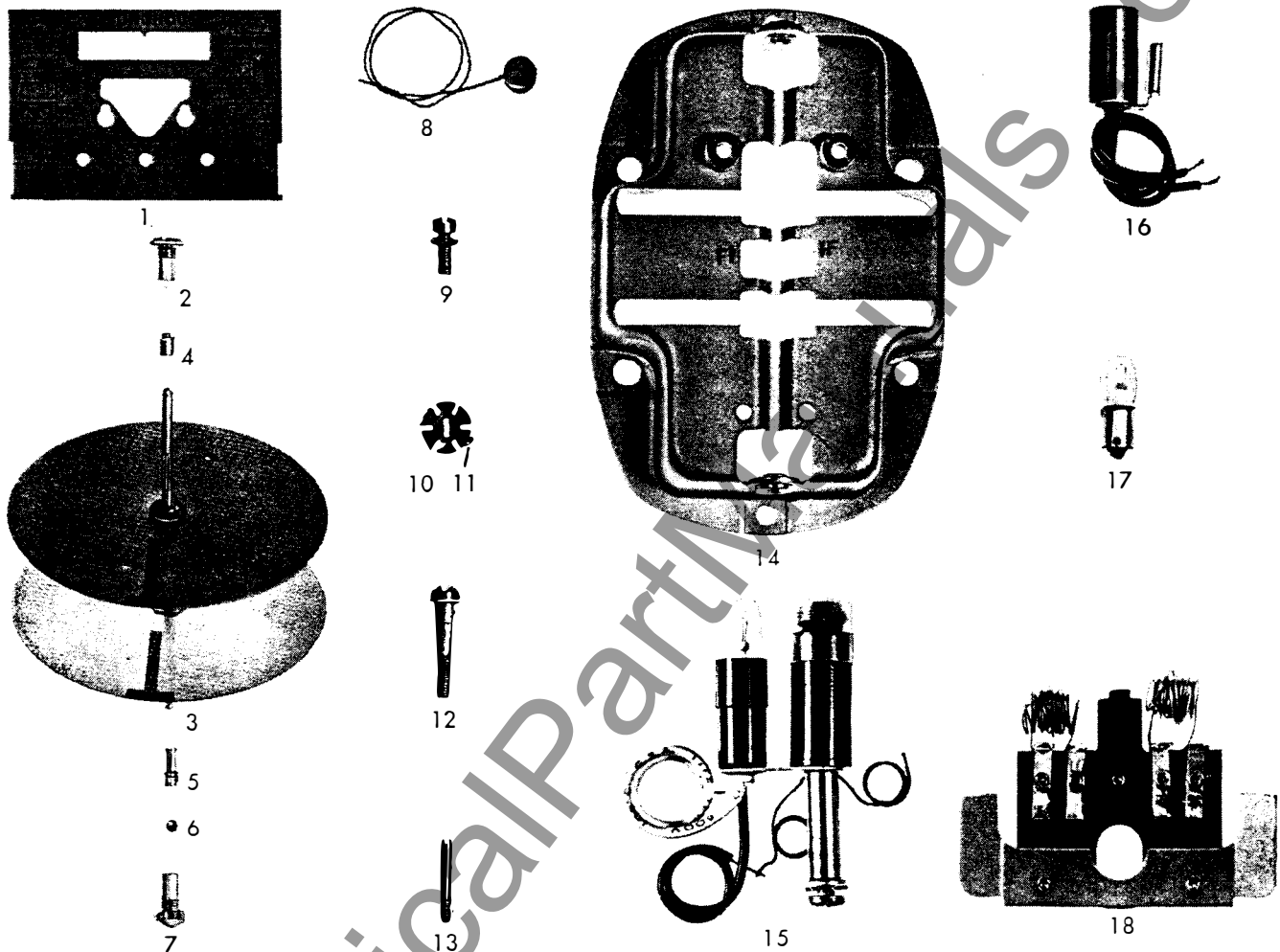
amperes a-c	style numbers	
	single trip	double trip
1.5-6	1878 807	1878 854
2-8	1876 934	1878 230
4-16	1730 235	1878 226
10-40	1730 236	1878 227
20-80	1730 237	1878 228
40-160	1730 238	1878 229

ΔICS unit (reference 18) less stationary contacts

target marking	style numbers	
	ampere rating 0.2 to 2.0 d-c	
	single trip	double trip
None	1878 602	1878 603
T	1730 234	1877 849

▲ refer to RPD 41-852A1 for complete breakdown of parts and stationary contacts

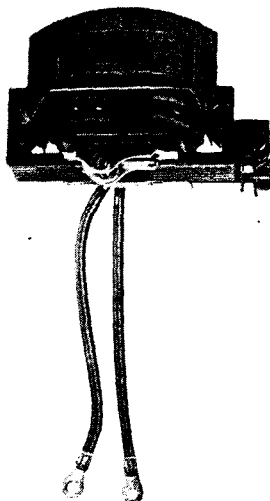
frame • disc and shaft assembly



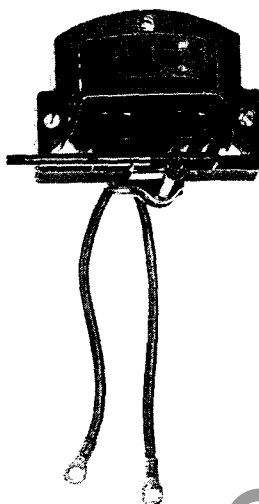
ref. no.	description of part	type CB-F /style number of part	types CB-2F, CB-8F	type CB-3F
1	nameplate	721 870	721 870	721 870
2	top bearing pin and screw	1102 785	934 296	1003 193
3	disc and shaft assembly—all amperes except 50 ampere, 3-wire (CB-F and CB-8F only)	1102 786	1002 772	1003 193
4	disc and shaft assembly—50 ampere, 3-wire (CB-F and CB-8F only)	1210 530	1210 530	1210 530
5	top bearing sleeve	1959 687	1959 687	1959 687
6	upper support of lower bearing	1R139P1	1R139P1	1R139P1
7	steel ball	797 871	797 871	797 871
8	lower jewel bearing	1R140P1	1R140P1	1R140P1
9	seal and wire (aluminum)▲	1545 512	1545 512	1545 512
10	permanent magnet mounting screw	see page 4	see page 4	see page 4
11	electromagnet assembly	1544 879	1544 879	1544 879
12	knob for light load adjuster screw	283A889H02	283A889H02	283A889H02
13	086-56 x 1/16 Fillister head steel machine screw for mounting knob	1538 975	1538 975	1538 975
14	electromagnet mounting screw	837 446	837 446	837 446
15	register mounting screw	1164 592	1335 715	939 182
16	movement frame	284A438G01	284A438G01	284A438G01
17	potential indicator and power factor assembly (for use with new type Flexitest case only)	1201 514	1201 514	1201 514
18	potential indicator socket and lead	1002 169	1002 169	1002 169
19	potential indicator lamp	1959 369	1959 369	1959 369
20	power factor assembly with potential indicator lamp mounting bracket	1959 308	1959 308	1959 308
21	power factor assembly less potential indicator lamp mounting bracket	1207 102	1207 102	1207 102
22	potential indicator lamp bracket mounted on top of meter when assembly less bracket is used	1339 885	1339 885	1339 885
23	power factor lead assembly	1164 529	1164 529	1164 529
24	power factor assembly	1164 529	1164 529	1164 529

Parts indented are included in the part under which they are indented.
 * When ordering nameplate, specify complete nameplate marking.
 ▲ Seal and wire also available in copper and galvanized iron.
 △ Not illustrated.

electromagnets



reference 1



reference 2

ampere rating	120 volts			240 volts	
	upper	middle	lower	upper	lower
style number of electromagnet					
type CB-F single phase Δ					
5	1340 079 ●	.....	.....	1340 080 ●	1340 081 Δ
type CB-2F in S-10 case with worm wheel adjuster—ref. 1					
2.5	1960 220	.....	1960 221	1960 247	1960 248
5	1960 222	.....	1960 223	1960 226	1960 227
type CB-3F in S-10 case with worm wheel adjuster—ref. 1					
2.5	1960 216	.....	1960 217	.....	.....
5	1960 218	.....	1960 219	.....	.....
type CB-2F in S-10 case with screw type adjuster—ref. 2					
2.5	1960 213	.....	1960 214	1960 242	1960 243
5	1960 215	.....	1960 241	1960 244	1960 245
type CB-2F in FT-21 case with screw type adjuster—ref. 2					
2.5	1960 249	.....	1960 253	1960 251	1960 255
5	1960 250	.....	1960 254	1960 252	1960 256
type CB-3F in M-10 case with screw type adjuster—ref. 2					
2.5	1960 246	1960 224	1960 231	.....	.....
5	1960 228	1960 229	1960 230	.....	.....
type CB-3F in M-20 case with screw type adjuster—ref. 2					
2.5	1960 232	1960 233	1960 225	.....	.....
5	1960 234	1960 235	1960 236	.....	.....
type CB-3F in FT-31 case with screw type adjuster—ref. 2					
2.5	1960 257	1960 259	1960 261	.....	.....
5	1960 258	1960 260	1960 262	.....	.....
type CB-3F in S-10 case with screw type adjuster—ref. 2					
2.5	1960 237	.....	1960 238	.....	.....
5	1960 239	.....	1960 240	.....	.....
type CB-3F in FT-21 case with screw type adjuster—ref. 2					
2.5	1960 273	.....	1960 275	.....	.....
5	1960 274	.....	1960 276	.....	.....
type CB-3F in FT-32 case with screw type adjuster—ref. 2					
2.5	1960 263	1960 265	1960 267	.....	.....
5	1960 264	1960 266	1960 268	.....	.....

Parts listed are for 60 cycles only, for other frequencies, refer to nearest Westinghouse sales office.

● 2 wire

Δ 3 wire

Δ Not illustrated

**Renewal Parts Data
for Westinghouse Equipment**



for

FISHER BODY DIVISION, GMC
for
FLEETWOOD PLANT
Detroit, Michigan

Purchaser's Order FWD-9503

G.O. DT-54751-Y1 - S.O. 25-Y-5411

June, 1970

I.B. 25-Y-5411

SWITCHING EQUIPMENT

Westinghouse Electric Corporation

East Pittsburgh, Pennsylvania 15112

www.ElectricalPartManuals.com

RENEWAL PARTS

Description	R.P.D. Number
Circuit Breaker, 150DHP500-1200/2000A.	32-250-150DH-P-500-1200/2000
Fuses, Current Limiting Power, CLE, CLS, CLV	36-621
Fuses, Cartridge	37-000-CF
Indicating Lamp.	37-350
Meters, Type D2B-2F Switchboard Watthour	42-201A1
Relays, Types CO-2, CO-5, to CO-11 Overcurrent	41-101A1
Relays, in Type FT-11 to FT-42 Cases	41-076A1

www.ElectricalPartManuals.com



Assembled Switchgear

TYPE 150-DH-500E DE-ION AIR CIRCUIT BREAKER
1200 Ampere - 14.4 KV - 60 Cycle - 3 PoleRenewal
Parts Data32-250
150-500E
1200

Recommendations for Stock

Refer to I.B. 32-251-3 and Supplement for Maintenance and Parts Identification

Unit Quantity	Style Number	Description
3#	497A061G05	Stationary Arcing Contact
12#	201B282G01	Stationary Main Finger Contact
3#	203B328G01	Moving Arcing Contact-Left Hand
3#	203B328G02	Moving Arcing Contact-Right Hand
3#	302C578G02	Moving Main Contact
12	26D2165H17	Stationary Main Contact Spring
3	26D2165H15	Moving Arcing Contact Spring-Outer
3	26D2165H16	Moving Arcing Contact Spring-Inner
3	301C884G01	Arcing Contact Shunt
3	408D210H06	Spring Insulation
3	200B809G03	Operating Rod
1	310C700G02	INSULDUR Bushing (6 Per Bkr.)
1	130A818H01	Bushing Insert-Foil Connector (6 Per Bkr.)
1	125A592H08	Retrieving Spring
1	125A592H11	Accelerating Spring
1	300C978H11	Veeder Counter Spring
1	125A706H01	Trigger Lever Spring
1	125A706H02	Roller Lever Spring
1	662A143H01	Latch Check Switch
1	1418 855	Cut-Off Switch
1	130A906H14	Shaft Spring
2	403D997H05	Cam Latch Plate
1	125A592H01	Cam Latch Plate Spring
1	496A354H12	Interlock Stop Pin Spring
1	126A807H01	Latch for Secondary Slide
1	125A595H01	Latch Spring
2	27D3766H18	Puffer Rod Accelerating Spring
1	301C865H01	Puffer Diaphragm
2	1332 614	Main Disconnect Contact (6 Per Bkr.)
1	500F944G01	Arc Chamber (3 Per Bkr.)
1#	...	Closing Coil-See Nameplate for Voltage
-	300P645G01	125 Volt D.C.
-	300P646G01	250 Volt D.C.
1#	...	Trip Coil-See Nameplate for Voltage
-	300P719G01	24 Volt D.C.
-	476 482	48 Volt D.C.
-	476 676	125 Volt D.C.
-	712 266	250 Volt D.C.
-	478 047	230 Volt A.C. - 60 Cycle
-	300 870	Capacitor Shunt Trip

#For one to five circuit breakers order parts identified #.
For six to ten circuit breakers order double quantity
identified # plus number required of all other parts recommended.

Order Part by Description and Style Number.
Give Complete Nameplate Reading.

October, 1968

www.ElectricalPartManuals.com



Switchgear Accessories

CURRENT-LIMITING POWER FUSES

Types CLV, CLE, CLE-1, CLE-2, CLS-1 and CLS-2

600 Volts to 23 Kv - Indoor

Renewal
Parts Data

36-621

FUSE UNITS

Type	Amps	Nominal Voltage Rating	Interrupting Rating Rms. Amps (Sym.)	Style Number	Type	Amps	Nominal Voltage Rating	Interrupting Rating Rms. Amps (Sym.)	Style Number	
Non-Indicating Only					Indicating (continued)					
BAL-1	1 □ 6 □	850 d-c 850 d-c	63,000 63,000	1594 855 1733 537	CLE-1 50/60 cycle (cont'd)	65E	2400 4800 7200 14,400	50,000 50,000 50,000 31,500	310C095G03 310C095G13 677C573G04 439D378G06	
BAL-1 ⊙	1 5	600 d-c 600 d-c	63,000 63,000	1585 343 1585 344		80E	2400 4800 7200	50,000 50,000 50,000	310C095G04 310C095G14 677C573G05	
CLV	2E ♦ 5E ♦ 7E ▲	600 600 600	63,000 63,000 63,000	677C593G01 677C593G02 677C593G03		100E	2400 4800 7200	50,000 50,000 50,000	310C095G05 310C095G15 677C573G06	
	10E ▲ 15E ▲ 20E ▲	600 600 600	63,000 63,000 63,000	677C593G04 677C593G05 677C593G06		125E	2400 4800 7200	50,000 50,000 50,000	310C095G06 310C095G16 677C573G07	
	CLE-PT non-indicating	.25E ♦ .5E ♦	2400 2400	40,000 40,000		677C592G01 677C592G02	150E	2400 4800	50,000 50,000	310C095G07 310C095G17
1.0E ♦ 2.0E ♦		2400 2400	40,000 40,000	677C592G03 677C592G04		200E	2400 4800	50,000 50,000	310C095G08 310C095G18	
.25E ▲ .5E ▲		4800 4800	40,000 40,000	677C592G05 677C592G06		225X	2400 4800	50,000 50,000	310C095G09 310C095G19	
Indicating						CLE-2 50/60 cycle	80E	14,400	31,500	439D482G04
CLE-PT indicating 25/60 cycle	.5E	4800 7200 14,400 23,000	50,000 50,000 80,000 50,000	677C452G01 677C452G02 677C452G03 677C452G04			100E 125X	14,400 14,400	31,500 25,000	439D482G05 439D482G06
	1.0E	4800 23,000	50,000 50,000	677C452G06 677C452G09			150E 200E 250X	7200 7200 7200	40,000 40,000 40,000	677C574G01 677C574G02 677C574G03
	1.5E	14,400	50,000	677C452G10	250E/280X		2400 4800	40,000 40,000	310C905G01 310C905G09	
CLE-PT 25/60 cycle	5E	4800 7200 14,400	40,000 50,000 80,000	677C453G01 677C453G02 677C453G03	300E/325X		2400 4800	40,000 40,000	310C905G03 310C905G11	
	10E	4800 7200 14,400	40,000 50,000 31,500	677C453G04 677C453G05 677C453G06	350X		2400 4800	40,000 40,000	310C905G04 310C905G12	
CLE 50/60 cycle	15E	2400 4800 7200 14,400	50,000 50,000 50,000 31,500	678C240G01 678C240G04 678C240G07 678C240G10	365X		2400 4800	40,000 40,000	310C905G05 310C905G13	
	20E	2400 4800 7200 14,400	50,000 50,000 50,000 31,500	678C240G02 678C240G05 678C240G08 678C240G11	400X		2400 4800	40,000 40,000	310C905G06 310C905G14	
	25E	2400 4800 7200 14,400	50,000 50,000 50,000 31,500	678C240G03 678C240G06 678C240G09 678C240G12	CLS-1 50/60 cycle		50	2400 4800	50,000 50,000	676C546G02 676C546G15
CLE-1 50/60 cycle	30E	2400 4800 7200 14,400	50,000 50,000 50,000 31,500	310C095G10 310C095G20 677C573G01 439D378G03			70	2400 4800	50,000 50,000	676C546G03 676C546G16
	40E	2400 4800 7200 14,400	50,000 50,000 50,000 31,500	676C546G01 676C546G14 677C573G02 439D378G04		90	2400 4800	50,000 50,000	676C546G04 676C546G17	
	50E	2400 4800 7200 14,400	50,000 50,000 50,000 31,500	310C095G02 310C095G12 677C573G03 439D378G05		110	2400 4800	50,000 50,000	676C546G05 676C546G18	
						130	2400 4800	50,000 50,000	676C546G06 676C546G19	
						200	2400 4800	50,000 50,000	676C546G09 676C546G22	
						225	2400 4800	50,000 50,000	676C546G12 676C546G25	
						300	2400 4800	40,000 40,000	304C463G01 304C463G03	
						400	2400 4800	40,000 40,000	304C463G02 304C463G04	

♦ 25/60 Cycles ▲ 50/60 Cycles

⊙ All non-indicating fuses except those for 850 volts d-c are 4-5/8" long and use BAL-1 fuse mounting.

□ The 850 volt fuses are 6-5/8" long. Fuse clips only are available for them.

Printed in U.S.A.

Westinghouse Electric Corporation

August, 1965

Supersedes Renewal Part Data 36-620 BAL dated September, 1962

Supersedes Renewal Parts Data 36-620-CLS dated March, 1962

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Switchgear Devices

CARTRIDGE FUSES

renewal
parts data

37-000
CF

Recommendations for Stock

<u>Style Number</u> 250 Volt	<u>Amperes</u>	<u>Style Number</u> 600 Volt
FERRULE CONTACTS		
Furnished in Carton Quantities of 10		
120A823H01	1	120A824H01
120A823H02	3	120A824H02
120A823H03	6	120A824H03
120A823H04	10	120A824H04
120A823H05	15	120A824H05
120A823H06	20	120A824H06
120A823H07	25	120A824H07
120A823H08	30	120A824H08
120A823H09	35	120A824H09
120A823H10	40	120A824H10
120A823H11	45	120A824H11
120A823H12	50	120A824H12
120A823H13	60	120A824H13
KNIFE BLADE CONTACTS		
Furnished in Carton Quantities of 5		
120A823H18	70	120A824H18
120A823H19	80	120A824H19
120A823H20	90	120A824H20
120A823H21	100	120A824H21
KNIFE BLADE CONTACTS		
Furnished in Carton Quantity of 1		
120A823H22	110	120A824H22
120A823H23	125	120A824H23
120A823H24	150	120A824H24
120A823H25	175	120A824H25
120A823H26	200	120A824H26
120A823H27	225	120A824H27
120A823H28	250	120A824H28
120A823H29	300	120A824H29
120A823H30	350	120A824H30
120A823H31	400	120A824H31
120A823H32	450	120A824H32
120A823H33	500	120A824H33
120A823H34	600	120A824H34

Recommended in minimum carton quantities and circuit quantities as required.

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Switchgear Accessories

renewal
parts data

INDICATING LAMPS

37-350

Recommendations for Stock

Service Voltage	RECTANGULAR MINALITE				LARGE ROUND MINALITE	ROUND MINALITE
	For 24 V. - 0.75 Watt Bulb		For 48 V. - 1.5 Watt Bulb			
	For Panels Up to 3/16"	For Panels 1/4" to 2"	For Panels Up to 3/16"	For Panels 1/4" to 2"		
<u>RECEPTACLES</u> Furnished in Carton Quantities of 4						
25	1589 180	1589 180	.... .	.... .	549 460	822 328
50	1589 181	1589 193	1589 180	1589 180	549 461	1640 615
70	1589 182	1589 194	1584 570	1615 757	822 288	1640 613
115	1589 183	1589 195	1584 571	1615 758	1640 609	822 323
125	1589 184	1589 196	1584 572	1615 759	549 462	822 322
208	1589 185	1589 197	1615 754	1615 760	1114 967	1640 614
230	1589 186	1589 198	1615 755	1615 761	1640 610	822 321
250	1589 187	1589 199	1615 756	1615 762	549 463	822 320
380	1589 188	1589 188	1615 720	1615 720	.... .	.... .
480	1589 189	1589 189	1615 721	1615 721	.... .	.... .
25%	.... .	.... .	.... .	.... .	549 464	.... .
50%	1589 190	1589 190	.... .	.... .	549 465	.... .
125%	1589 191	1589 191	1615 722	1615 722	549 466	.... .
250%	1589 192	1589 192	1615 723	1615 723	549 467	.... .
% Bright - Dim Operation						
<u>BULBS</u> Furnished in Carton Quantities of 10						
18	.... .	.... .	.... .	.... .	549 474	.... .
24	1124 156	1124 156	.... .	.... .	.... .	1640 619
48	.... .	.... .	1615 719	1615 719	.... .	.... .
55	.... .	.... .	.... .	.... .	.... .	822 314
<u>LENS</u> Furnished in Carton Quantities of 10						
Color						
Red	1615 688	1615 688	1615 688	1615 688	549 468	822 265
Green	1615 689	1615 689	1615 689	1615 689	549 469	822 266
Clear	1615 690	1615 690	1615 690	1615 690	549 470	822 270
Blue	1615 691	1615 691	1615 691	1615 691	549 471	822 268
Amber	1615 692	1615 692	1615 692	1615 692	549 472	822 269
Opal	1615 693	1615 693	1615 693	1615 693	549 473	822 267

Lamp Extractor S#1802 172

Recommended in Minimum Carton Quantities.

Supersedes issue dated September, 1960

July, 1961

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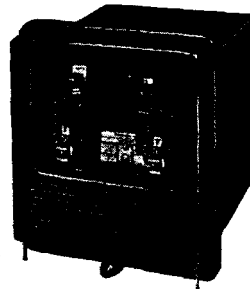
universal Flexitest® cases
types FT-11, 21, 22, 31, 32, 41, 42

renewal
parts data

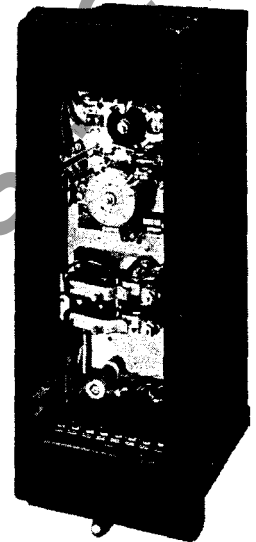
41-076A1

page 1

type FT-11

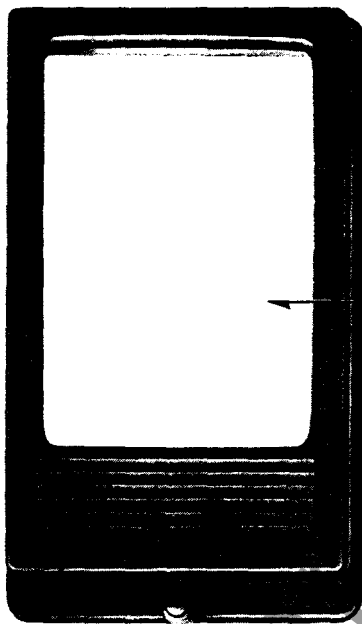


type FT-32



ordering information

- Give style number and name of part.
- Give the complete nameplate reading.
- State method of shipment desired.
- Send all orders or correspondence to nearest sales office of the company.



4



5



6



7



8

reference number	description of part	style number of part			
		type FT-11	FT-21, FT-22	FT-31, FT-32	FT-41, FT-42
1	cover assembly	□	□	□	□
2	window glass (for dimensions see footnote 1)	1730 645	1730 647	1875 690	1730 646
3	gasket	1875 022	1875 023	1875 024	1875 025
4	hinge	52D6292H02	52D6292H02	52D6292H02	52D6292H02
5	reset lever	1731 012	1731 012	1731 012	1731 012
6	reset clip	57D4483H03	57D4483H03	57D4483H03	57D4483H03
7	screw for hinge and reset clip	184A258H01	184A258H01	184A258H01	184A258H01
8	clip to hold glass	□	□	□	□
▲	cement used to cement glass to cover	□	□	□	□
▲	screw for glass clip #4 x 3/16 round head steel sheet metal screw, finish 22AA03▲	□	□	□	□

Parts indented are included in the part under which they are indented

▲ not illustrated ▲ nickel plated finish

□ when ordering, specify style and type of relay for which part is required

◇ Buy from Minnesota Mining and Mfg. Co. #EC-870 in 5 ounce tube

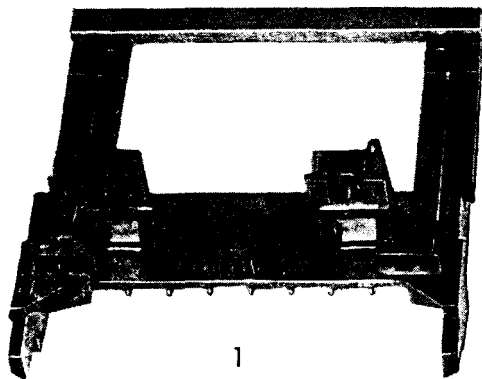
■ glass dimensions: FT-11 (3 3/4 x 3 3/4); FT-21, 22 (4 3/4 x 6 1/4); FT-31, 32 (4 3/4 x 11 1/4); FT-41, 42 (4 3/4 x 14 1/4)

● order by complete description

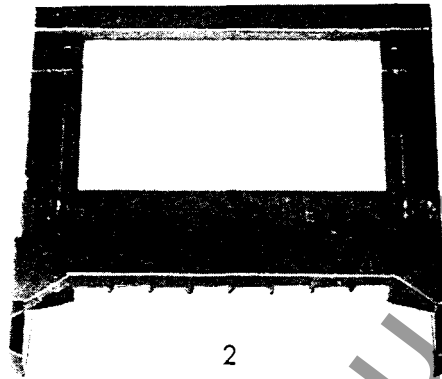
October, 1965

supersedes rpd 41-076A1 dated March, 1961

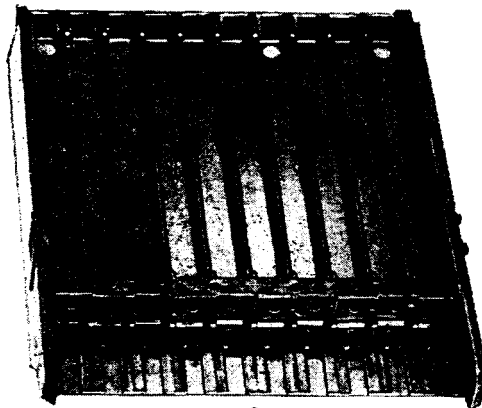
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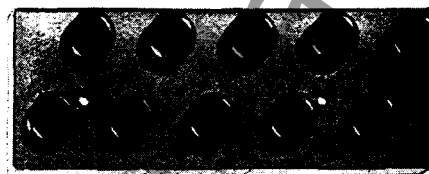
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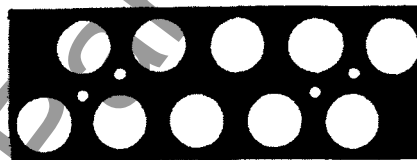
2



3



4



5



6



7



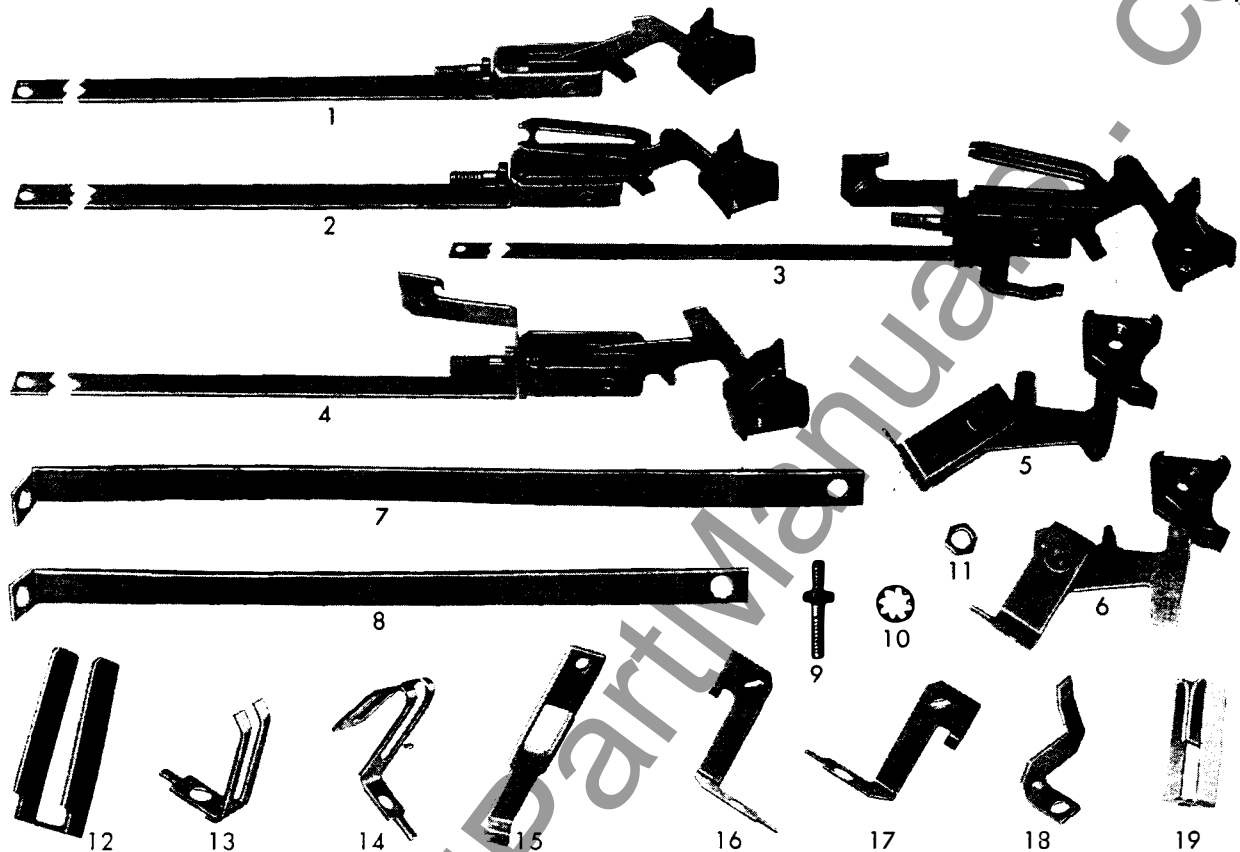
8



9

reference number	description of part	style number
1	switch jaw block insulation with pedestals	55B6759 G02
2	switch jaw block insulation without pedestals	1732 784
3	switch blade block insulation	1732 783
4	terminal block ■	1732 731
5	gasket for terminal block	1732 702
6	terminal	1732 711
7	speed nut	1731 016
8	expansion nut	1731 042
9	self tapping screw	1875 304

■ knock out holes as required



reference number	description of part	style number
●1	switch blade with short connector strap—red handle	53C9059G08
●1	switch blade with short connector strap—black handle	53C9059G09
+1	switch blade with long connector strap—black handle	53C9059G10
+1	switch blade with long connector strap—red handle	53C9059G11
■2	switch-blade with long connector strap and current jack spring—black handle	53C9059G14
○2	switch blade with short connector strap and current jack spring—black handle	288B721G01
■3	switch blade with long connector strap, auxiliary short circuit spring and current jack spring—black handle	53C9059G12
○4	switch blade with short connector strap and auxiliary short circuit spring—black handle	53C9059G13
5	switch blade and hinge assembly tapped—with black handle	53C9041G08
5	switch blade and hinge assembly tapped—with red handle	53C9041G07
5	switch blade and hinge assembly not tapped—with black handle	53C9041G09
6	switch blade and hinge assembly tapped—with black handle	53C9041G05
7	connector strap—long	1732 753
8	connector strap—short	1732 752
9	stud	1732 713
10	shakeproof washer	1876 356
11	nut for stud	1155 351
12	barrier—long (2.05 inch) for switch blades—all except top block FT-22	184A217H01
12	barrier—short (1.8 inch) for switch blades—FT-22 top block only	184A380H01
12	barrier—short (1.4 inch) for switch jaw block only	1732 703
△	L-shaped barrier for switch jaw block (5000 volt insulation only)	183A452H01
13	current jack connector (for switch jaw block)	184A277H01
14	current jack spring—not tapped	184A244H01
14	current jack spring—tapped	184A244H02
15	connector clip	1732 710
16	contact spring, left, front view	1732 721
17	contact spring, right, front view	1732 722
18	short circuit spring, blade operated short-circuiting switch	1732 712
19	switch jaw	1732 706

● used in block positions 2-4-6-8-10

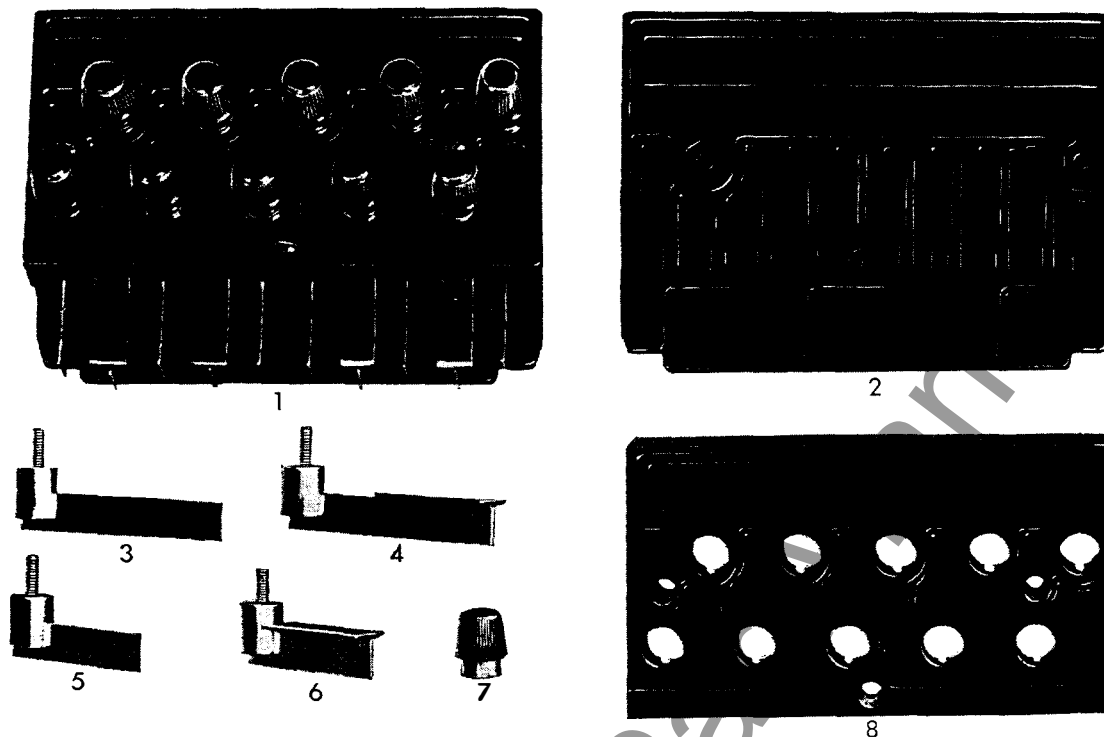
† used in block positions 1-3-5-7-9

■ used in block positions 3-5-7-9

○ used in block positions 2-4-6-8

△ not illustrated

renewal parts for ten-circuit test plug



reference number	description of part	style number
1	ten-circuit test plug.....	1164 046
2	bottom insulation.....	1340 791
3	stud and blade, long.....	1537 729
4	stud and blade, t-shaped, long.....	1537 731
5	stud and blade, short.....	1537 728
6	stud and blade, t-shaped, short.....	1537 730
7	nut.....	1267 468
8	top insulation.....	1340 792

parts indented are included in the part under which they are indented

renewal parts for ammeter test plug

reference number	description of part	style number
9	ammeter test plug.....	07B4618G04
10	insulation, black (2 required).....	01C6115H03
11	insulation, red (2 required).....	01C6115H04
12	blade assembly.....	07B4618G03
13	terminal clip.....	324 091

parts indented are included in the part under which they are indented



renewal parts for interlocking bar for switch

reference number	description of part	style number
14	tie bar—2-switch blade.....	1270 537
14	tie bar—3-switch blade.....	1270 538
14	tie bar—4-switch blade.....	1340 225
15	.112-40 x 1/4 flat head steel machine screw, finish 46AE03.....	std. hdwr.