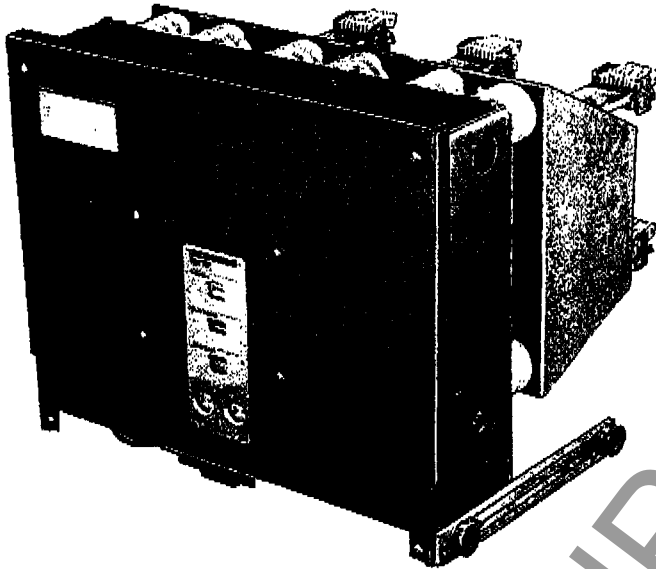




January, 1988
 New Information

Vacuum Circuit Breakers Type VCP Breaker/Housing Parts



The following breakers are included in this publication:

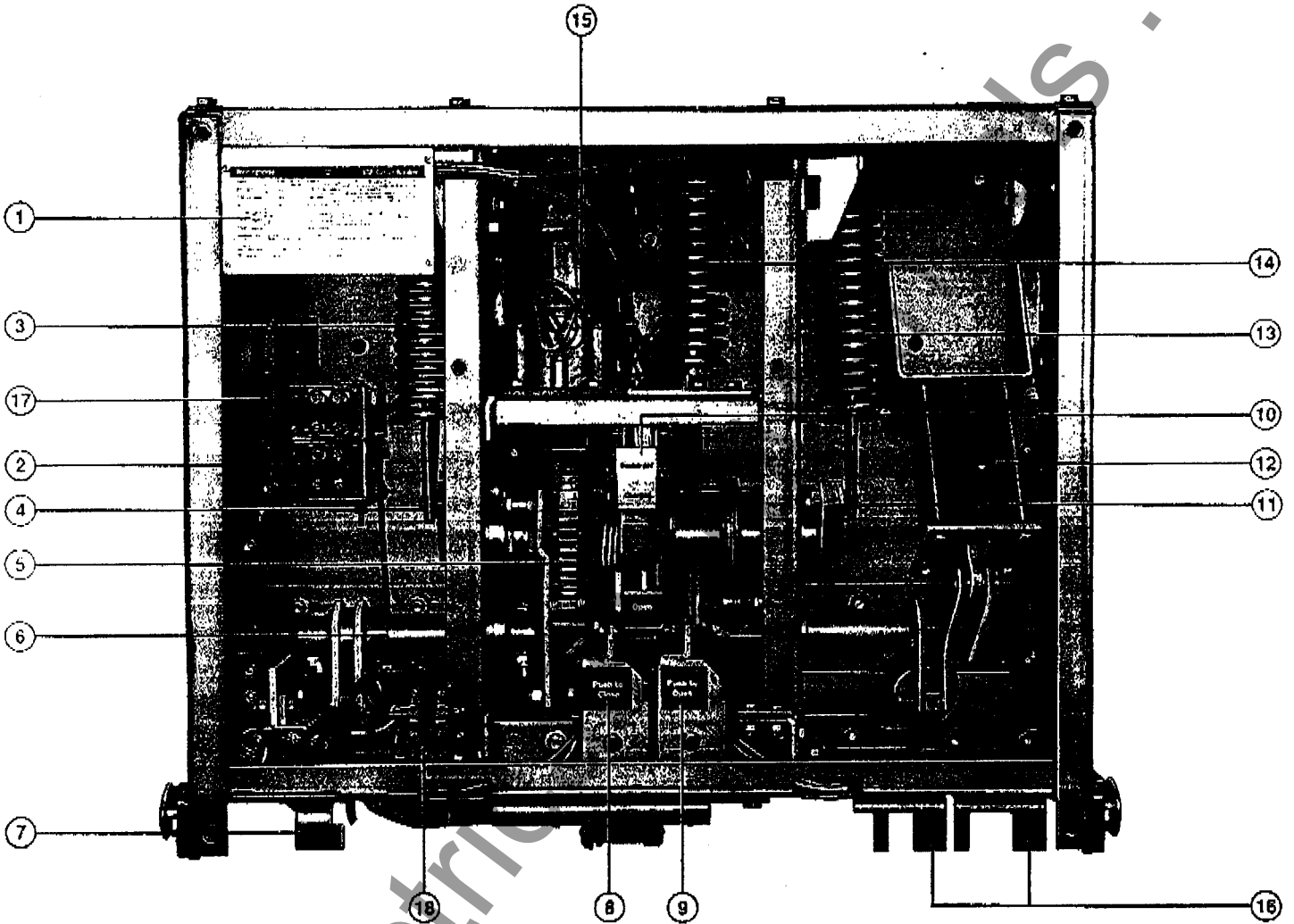
Type	Current Continuous 60 Hz	Nominal kV	Nominal MVA Class	Close and Latch Rating (kA)
50VCP250	1200	4.16	250	58
50VCP250	2000	4.16	250	58
50VCP250	3000	4.16	250	58
H50VCP250	1200	4.16	250	78
H50VCP250	2000	4.16	250	78
H50VCP250	3000	4.16	250	78
50VCP350	1200	4.16	350	78
50VCP350	2000	4.16	350	78
50VCP350	3000	4.16	350	78
75VCP500	1200	7.2	500	66
75VCP500	2000	7.2	500	66
75VCP500	3000	7.2	500	66
150VCP500	1200	13.8	500	37
150VCP500	2000	13.8	500	37
150VCP500	3000	13.8	500	37
H150VCP500	1200	13.8	500	58
H150VCP500	2000	13.8	500	58
H150VCP500	3000	13.8	500	58
150VCP750	1200	13.8	750	58
150VCP750	2000	13.8	750	58
150VCP750	3000	13.8	750	58
H150VCP750	1200	13.8	750	77
H150VCP750	2000	13.8	750	77
H150VCP750	3000	13.8	750	77
150VCP1000	1200	13.8	1000	77
150VCP1000	2000	13.8	1000	77
150VCP1000	3000	13.8	1000	77

Index

Description	Page
Breaker View Front	2
Breaker Common Parts	3
Breaker Pole Units	4
Breaker UVT Devices	5
Breaker Rear View	6
Breaker View Left Side	7
Pan Assembly View	8
Pan Assembly Parts	9
Breaker Charging Assembly	10
Breaker Cam Assembly	11
Shutter and Cell Parts	12
Cell Stab Assembly	13
Current Transformers	14
Auxiliary Drawer Parts	15
Bus and PT Fuses	16
Bus Supports	17
VCP Accessories	18
Index	20

Note: This publication is not intended for application to breakers having special seismic requirements. For parts identification on those breakers, it will be necessary to contact the Commercial Division of the Distribution and Control Business Unit, with the breaker shop order number.

Breaker View Front



- | | |
|----------------------------------|-----------------------------------|
| 1. Name-Plate | 10. Latch Check Switch |
| 2. Auxiliary Switches | 11. R.H. Closing Spring Crank Pin |
| 3. L.H. Closing Spring | 12. Dash Pot |
| 4. L.H. Closing Spring Crank Pin | 13. R.H. Closing Spring |
| 5. Charging Ratchet | 14. Reset Spring |
| 6. Pole Shaft | 15. Spring Charging Motor |
| 7. TOC Operator | 16. Code Plates |
| 8. Spring Release Device | 17. Resistor |
| 9. Shunt Trip Device | 18. Anti Pump Relay - (Y Relay) |

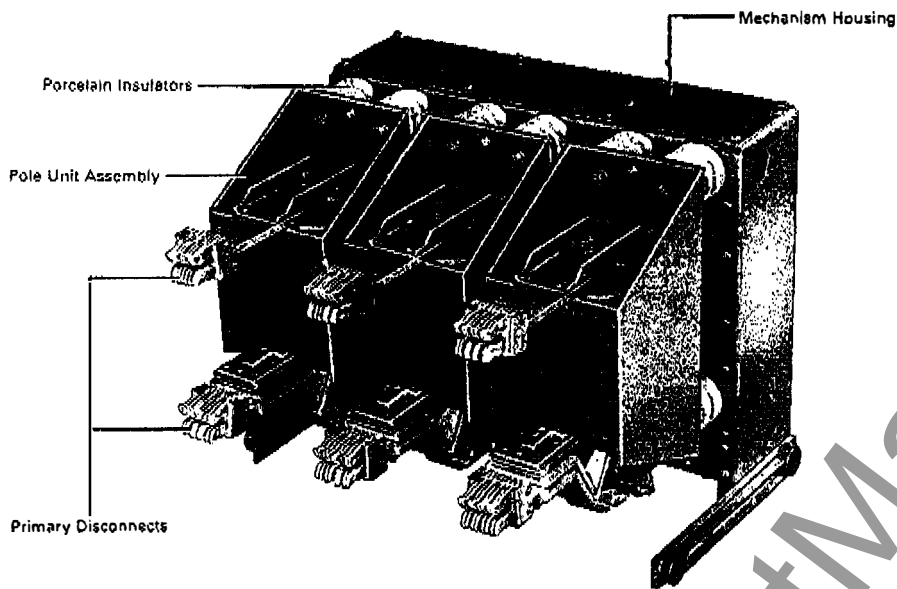
VCP Breaker - Front Panel Removed

Breaker Common Parts

The following items are common to all VCP Breakers all ratings:

Item Number	Description	Style Number	Quantity
1	Name Plate	692C205H01	1
2	Auxiliary Switches	692C259G01	1 Only
	Auxiliary Switches	692C083G01	2 High
	Auxiliary Switches	692C083G02	3 High
3	L.H. Closing Spring Complete with Ends	692C088G01	1
5	Charging Ratchet	See Page 11 — Charging Cam Assembly	
6	Pole Shaft	See Page 11 — Charging Cam Assembly	
7	TOC Operator	8058A29H01	1
8	Spring Release Device		1
	48 Volt DC	692C290G01	
	125 Volt DC	692C290G02	
	250 Volt DC	692C290G03	
	120 Volt AC	692C290G06	
	240 Volt AC	692C290G07	
	Closing Coil Only For Above	See Page 5	
9	Shunt Trip Device (5 Cycle)		1
	Note: VCP Breakers May Utilize Two Shunt Trip Devices.		
	48 Volt DC	692C292G01	
	125 V DC/120 V AC	692C292G02	
	250 V DC/240 V AC	692C292G03	
	Shunt Trip Device (3 Cycle)		1
	48 Volt DC	692C293G06	
	125 V DC/120 V AC	692C293G07	
250 V DC/240 V AC	692C293G08		
Shunt Trip Coil Only	See Page 5		
10	Latch Check Switch	8058A65G01	1
11 & 13	R.H. Closing Spring and Crank Pin	692C088G01	1
12	Dash Pot	692C090G01	1
14	Opening Spring Complete with Ends	692C077G01	1
15	Charging Motor also on Page 5		1
	48 Volt	692C091G03	
	120 V/125 V	692C091G01	
	240 V/250 V	692C091G02	
16	Code Plates for Breaker	Order Per Shop Order	
17	Resistor		1
	120 V AC 250 Ohm	502A006H13	
	240 V AC 750 Ohm	502A006H15	
18	Anti Pump Relay (Control Relay "V") also on Page 7		1
	48 Volt DC	692C288G01	
	125 Volt DC	692C288G02	
	250 Volt DC	692C288G03	
	120 Volt AC Complete with RECTOX	692C288G06	
	240 Volt AC Complete with RECTOX	692C288G07	
	The DC Position Switch (Not Shown)	8058A74G01	1
	Metal Front Panel (Not Shown)	692C112H02	1
	Plastic Escutcheon on Front Panel (Not Shown)	6526C22H02	1

Breaker Pole Units

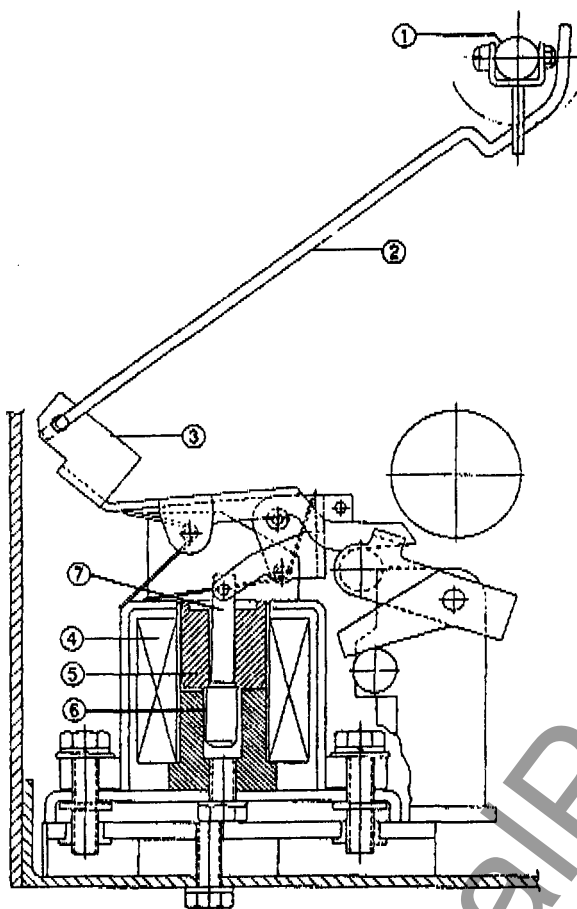


Complete Pole Units

Breaker Type	Continuous Current Rating	Pole Unit Style Complete
50VCP250	1200A.....	8257A48G01
50VCP250	2000A.....	8257A48G02
50VCP250	3000A.....	8257A48G03
H50VCP250	1200A.....	8257A48G04
H50VCP250	2000A.....	8257A48G05
H50VCP250	3000A.....	8257A48G06
50VCP350	1200A.....	8257A48G07
50VCP350	2000A.....	8257A48G08
50VCP350	3000A.....	8257A48G09
75VCP500	1200A.....	8257A48G10
75VCP500	2000A.....	8257A48G11
75VCP500	3000A.....	8257A48G12
150VCP500	1200A.....	8257A48G13
150VCP500	2000A.....	8257A48G14
150VCP500	3000A.....	8257A48G15
H150VCP500	1200A.....	8257A48G16
H150VCP500	2000A.....	8257A48G17
H150VCP500	3000A.....	8257A48G18
150VCP750	1200A.....	8257A48G19
150VCP750	2000A.....	8257A48G20
150VCP750	3000A.....	8257A48G21
H150VCP750	1200A.....	8257A48G22
H150VCP750	2000A.....	8257A48G23
H150VCP750	3000A.....	8257A48G24
150VCP1000	1200A.....	8257A48G25
150VCP1000	2000A.....	8257A48G26
150VCP1000	3000A.....	8257A48G27

Description	Style Number
Porcelain Insulators — All Breakers (4 per Pole Req'd)	692C006G02
Primary Disconnect — Finger Cluster Contact Assembly	
All 1200 Amp Rated Breakers.....	508B022G01
All 2000 Amp Rated Breakers.....	508B012G01
All 3000 Amp Rated Breakers.....	692C037G01
Rollers	
All VCP Breakers.....	8055A45G01
All VCP Breakers.....	(Pin) 8055A44H01

Breaker UVT Devices



- | | |
|---------------|--------------------|
| 1. Trip Pin | 5. Moving Core |
| 2. Trip Wire | 6. Stationary Core |
| 3. Trip Lever | 7. Plunger |
| 4. UV Coil | |

Undervoltage Trip Device (All Breaker Ratings)

Item Number	Description	Style Number
1	Trip Pin (See Kit Below)	
2	Trip Wire and Trip Pin Kit	8257A43G01
3,4,5,6,7	UV Trip Device Complete Assembly	
	48V DC	693C371G01
	125V DC	693C371G02
	250V DC	693C371G03
4	UV Coil only	
	48V DC	8058A72G03
	125V DC	8058A72G02
	250V DC	8058A72G01

Coil only for Spring Release Device

Description	Style Number
48 Volt DC Coil	8058A70G01
125 Volt DC Coil	8058A70G02
250 Volt DC Coil	8058A70G03
120 Volt AC Coil	8058A70G06
240 Volt AC Coil	8058A70G07

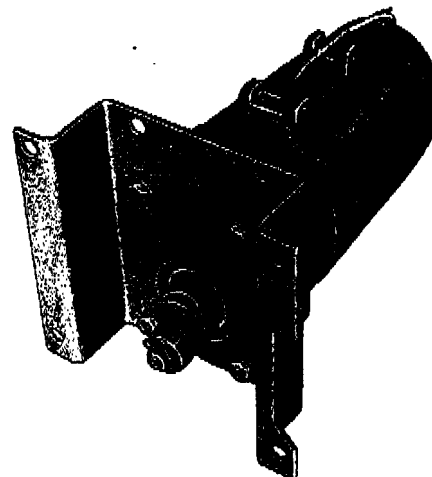
Coil only for Shunt Trip Device

48 Volt Trip Coil 5 cycle	8058A71G01
125 VDC/120 VAC Trip Coil 5 cycle	8058A71G02
250 VDC/240 VAC Trip Coil 5 cycle	8058A71G03
48 Volt Trip Coil 3 cycle	8058A71G06
125 VDC/120 VAC Trip Coil 3 cycle	8058A71G07
250 VDC/240 VAC Trip Coil 3 cycle	8058A71G08

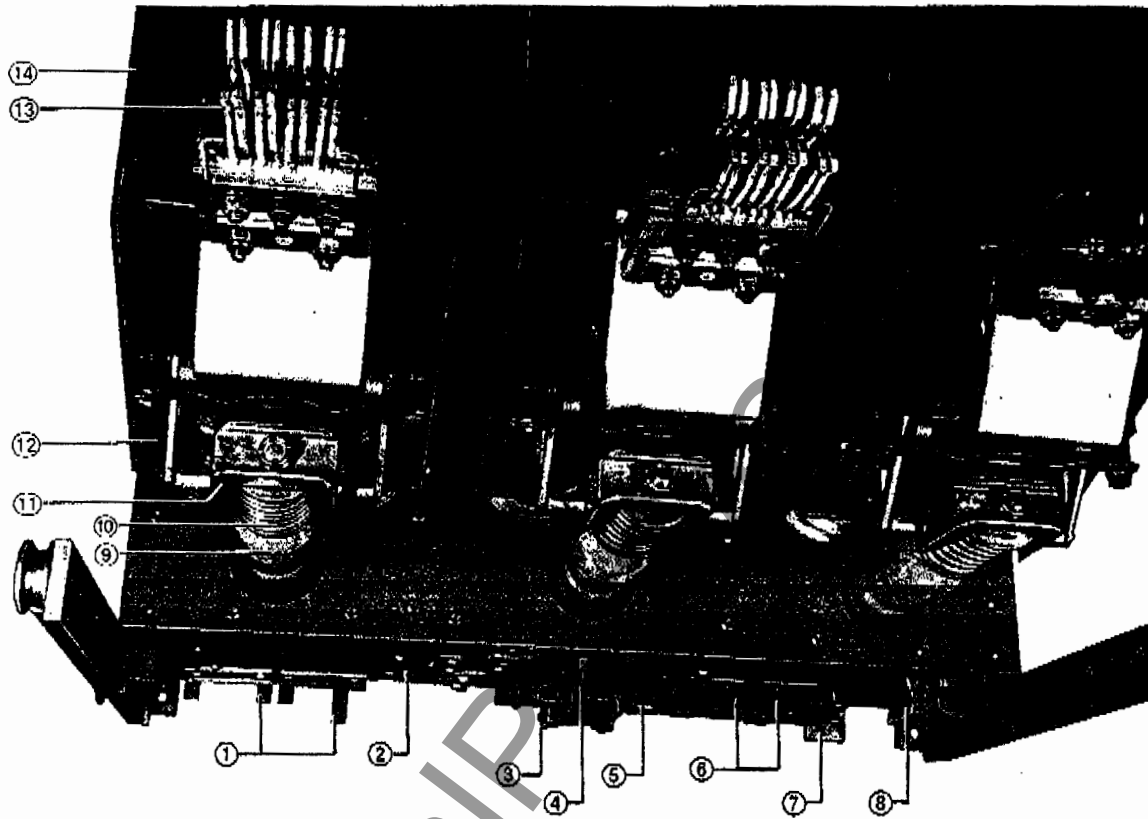
Motors

The motor assemblies apply to all VCP Breaker ratings. Motor control voltage determines Westinghouse style number.

Description	Style Number
48 Volt	692C091G03
120 Volt / 125 Volt	692C091G01
240 Volt / 250 Volt	692C091G02



Breaker Rear View



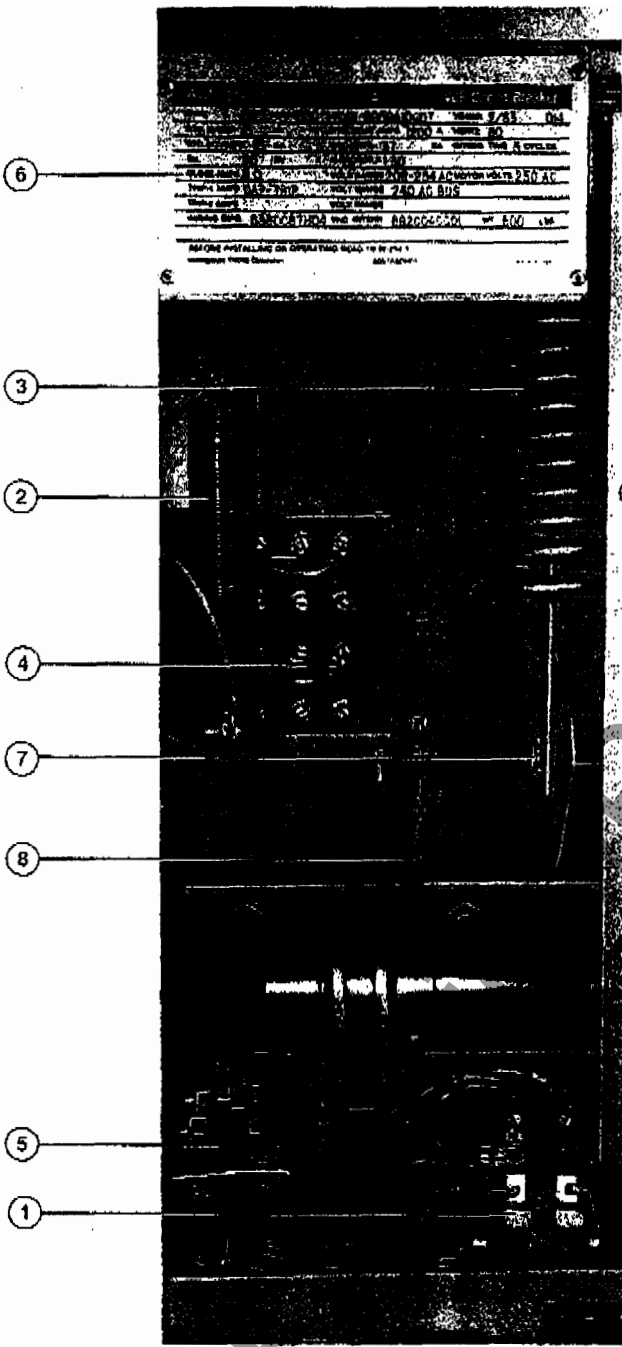
- | | |
|-----------------------------------|----------------------------|
| 1. Breaker Code Plates | 8. Ground Disconnect |
| 2. MOC Operator | 9. Operating Rod |
| 3. Floor Tripper - Trip | 10. Contact Loading Spring |
| 4. Levering Latch | 11. Spring Yoke |
| 5. Floor Tripper - Spring Release | 12. Bell Crank |
| 6. Secondary Disconnects | 13. Primary Disconnect |
| 7. TOC Operator | |

VCP Breaker Rear Bottom View

Description	Item Number	Style Number	
		5kV	15kV
MOC Operator	2	8257A42G01	8257A42G02
Floor Tripper(s)	3 & 5	8257A42G01	8257A42G02
Levering Latch	4	8257A44G01	8257A44G02
Operating Rod Complete	9,10,11		
1200/2000 Amp Breakers		692C038G01	692C038G02
3000 Amp Breakers		692C038G02	692C038G03
Secondary Contact Kit	6	8261A65G02	8261A65G03
Ground Disconnect	8	8058A20G01	8058A20G02
Bell CrankⓄ	12 2 per Pole Req'd	8055A18H01	8055A18H02
Bell Crank Hinge BlockⓄ	12 2 per Pole Req'd	8056A99G01	8056A99G02
Primary Disconnect	13	See page 4	

Ⓞ Two per pole required

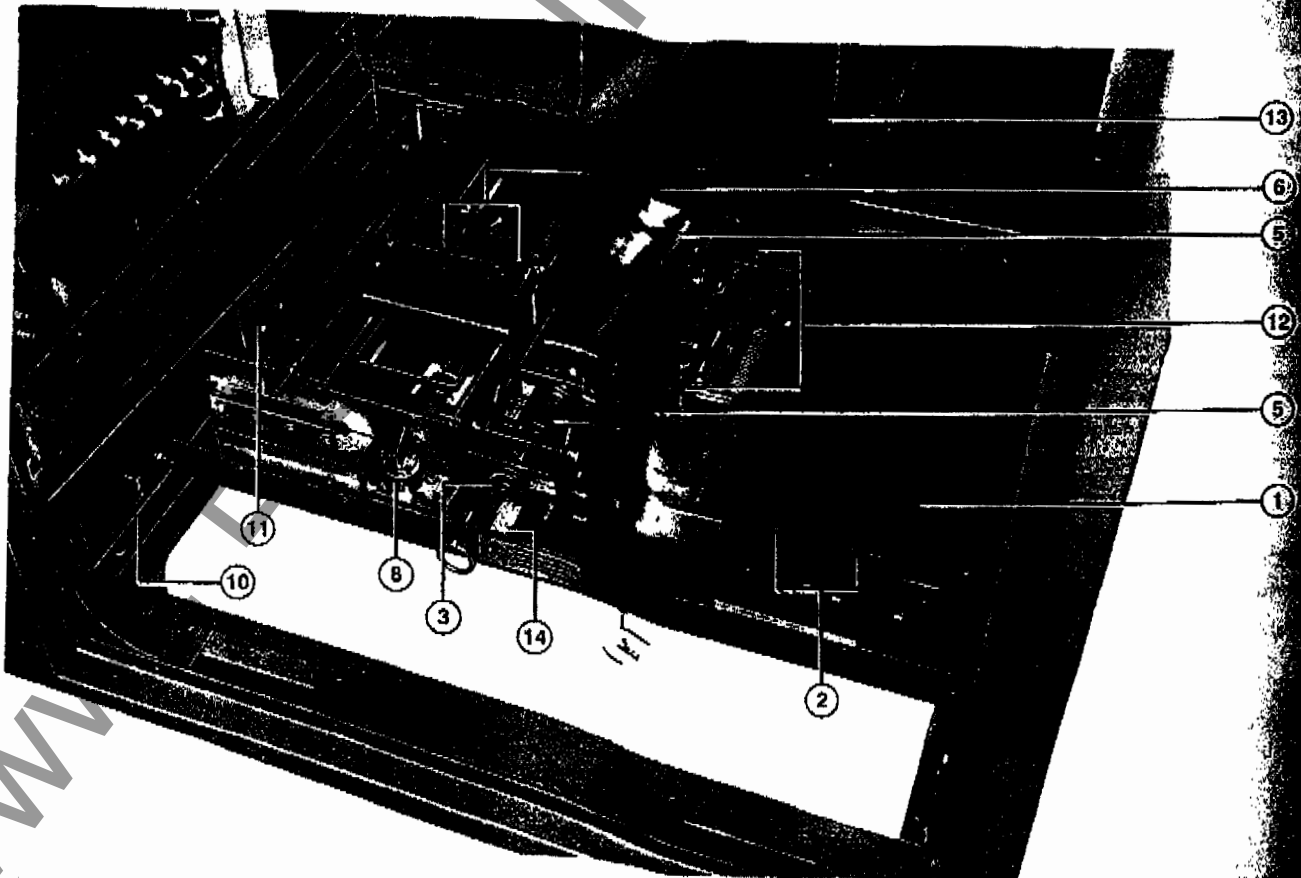
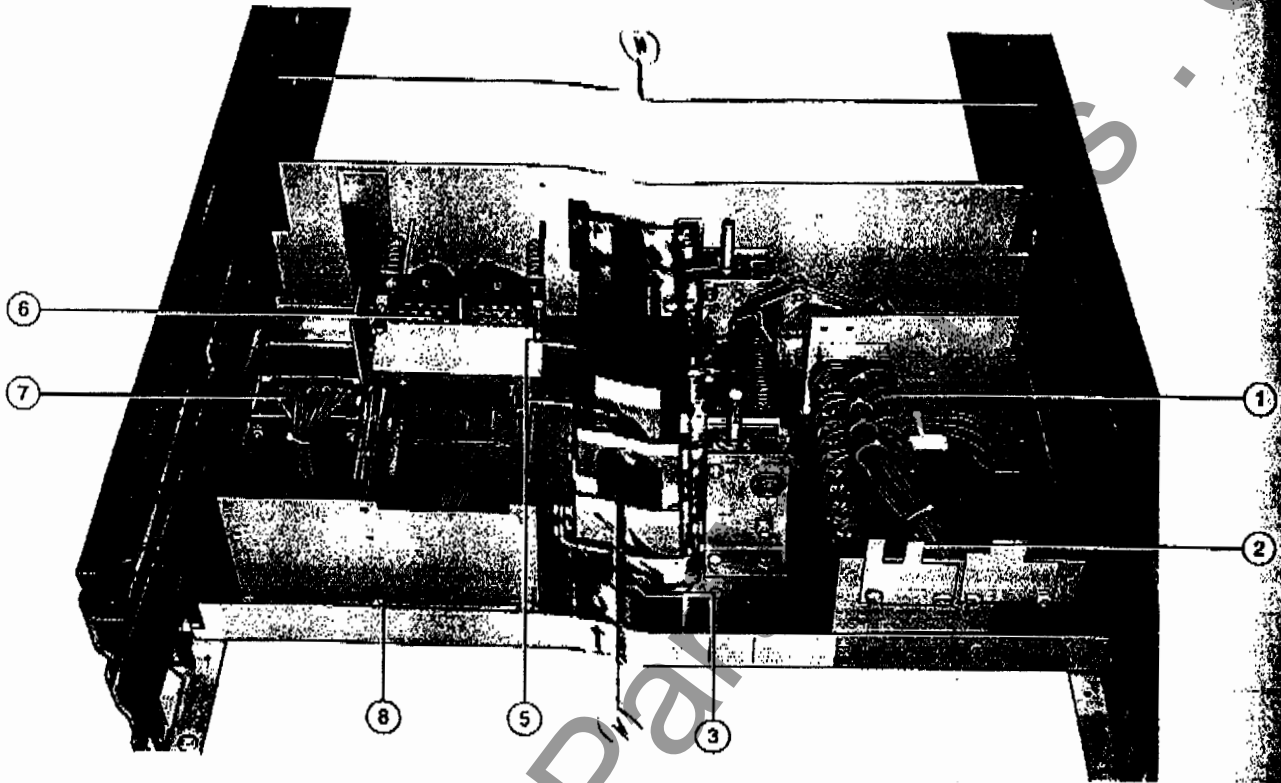
Breaker View Left Side



Item Number	Description	Style Number
1	Anti-Pump Relay	
	48 Volt DC	692C288G01
	125 Volt DC	692C288G02
	250 Volt DC	692C288G03
	120 Volt DC	692C288G06
	240 Volt DC	692C288G07
2	Resistor	
	120 Volt/250 Ohm	502A006H13
	240 Volt/750 Ohm	502A006H15
3	Closing Spring (s) Left and Right	692C088G01
4	Auxiliary Switch Assembly	
	One only	692C259G01
	Two High	692C083G01
	Three High	692C083G02
5	Ground Contact	8058A20G01
6	Name Plate	692C205H01
7	Closing Spring Pin Kit	8257A29G01
8	Auxiliary Switch Linkage	692C196H01
9	Special Pin Kit	697B507G01
	Contains the following:	
	6-Spring Yoke Pins	
	3-Operating Rod Pins	
	3-Spring Retaining Pins	
	6-Bell Crank to Cross Head Pins	

VAC-CLAD Switchgear Breaker Compartment

Pan Assembly View



Pan Assembly Parts

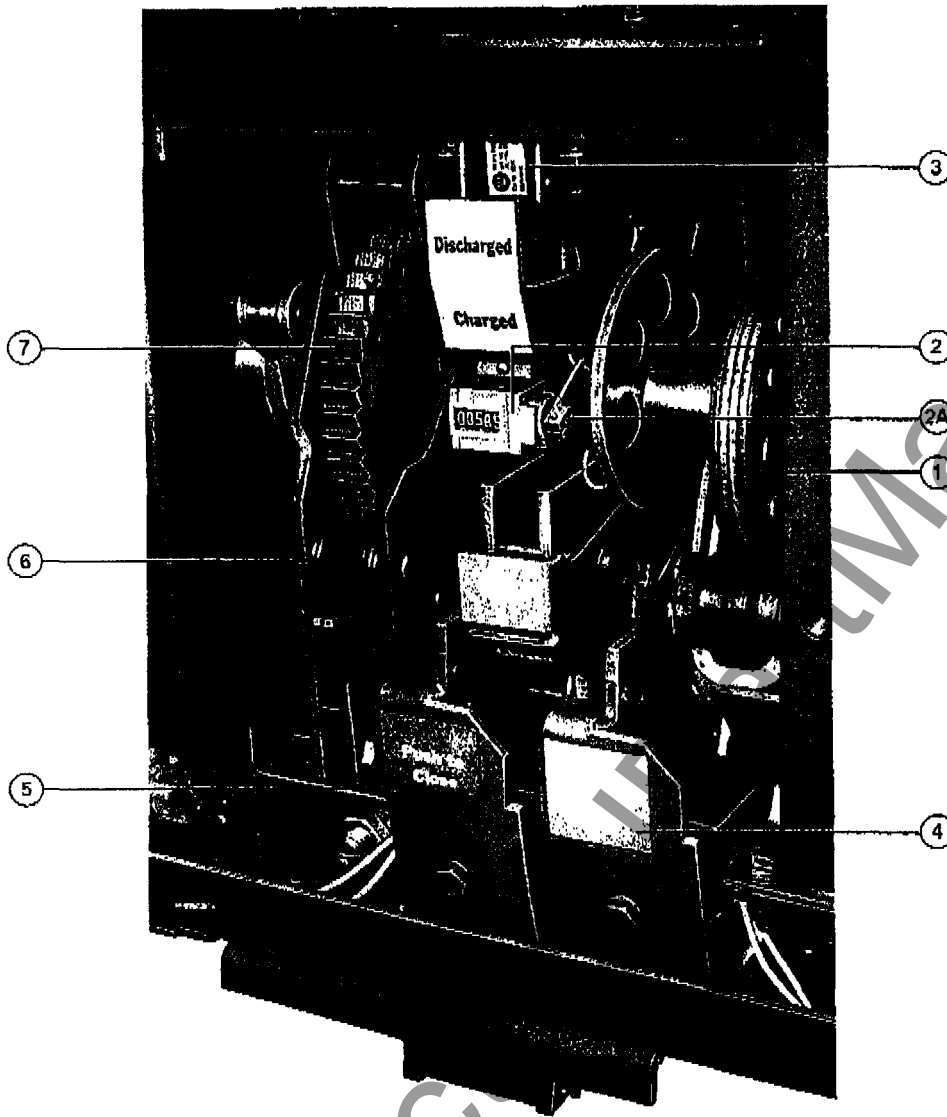
The following items are utilized on all VCP Breaker Pan Assemblies:

Item Number	Description	Style Number	Quantity
1	MOC Switch Double Based Geared Type W2 Switch		1
	Number of Contacts	18A/18B 22A/22B 28A/28B	6350C05G01 6350C05G02 6350C05G03
Note: The above styles include wiring harness and terminal block.			
1	Switch Only Styles Geared Type W2	18A/18B 22A/22B 28A/28B	6358C30G01 6358C30G02 6358C30G03
1	Single Type W Switch with Mechanism		1
	Number of Contacts	2A/2B 5A/4B	6362C17G01 6362C17G02
	Double Type W Switch with Mechanism-One Operator		1
	Number of Contacts	7A/6B 10A/8B	6362C18G01 6362C18G02
1	Triple Type W Switch with Mechanism-One Operator		1
	Number of Contacts	12A/10B 15A/12B	6362C19G01 6362C19G02
1	Single Type W Switch with Mechanism-Two Operators		1
	Number of Contacts	2A/2B 5A/5B	6362C20G01 6362C20G02
1	Double Type W Switch with Mechanism-Two Operators		1
	Number of Contacts	7A/6B 10A/8B	6362C21G01 6362C21G02
1	Triple Type W Switch with Mechanism-Two Operators		1
	Number of Contacts	12A/10B 15A/12B	6362C22G01 6362C22G02
Note: The above styles include wiring harness to terminal block.			
2	Code Plates Compartment		Set
	Reference shop order and breaker rating [Ⓢ]		
3	Square Socket Coupling	8261A37H01	1
	Square End Hand Crank [Ⓢ]	8079A35G02	1
4	Levering-In Clutch Assembly	6354C01G01	1
5	Drive Block, Screw Shaft, and Drive Release, Kit Style	8076A72G01	1
6	Stationary Secondary Contacts - Complete	6354C07G02	1
7	TOC Switch (LOC)	Upper Cell Lower Cell	
	One Switch	6350C12G01 6350C10G01	6350C12G02 6350C10G02
	Double Switch	6350C11G01	6350C11G02
	Triple Switch		
Note: The TOC switch styles include wiring harness and terminal block.			
8	Key Interlock	8257A47G01	1
9	Stationary Rail Assembly for Breaker		
	Left Side	6354C15G01	1
	Right Side	6354C10G01	1
10	Moving Rails for Breaker		
	Left Hand Slide	6354C05G01	1
	Right Hand Slide	6354C05G02	1
11	Ground Contact Bus	8079A81H01	1
12	MOC Operators	Contact Division	1
13	Interphase Barriers 5kV and 15kV All Ratings	6354C08G01	1
14	Levering Release Latch	8079A30G01	1

Ⓢ Shop order information must be provided to Westinghouse sales personnel for proper identification.

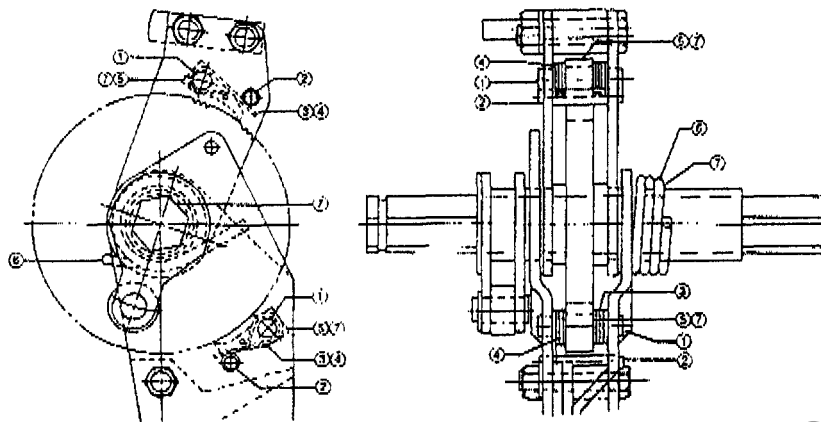
Ⓢ The levering-in device on VCP breakers built prior to 1986 may have round socket coupling (item 3), and a round slot end levering-in crank. A new set of both socket coupling and hand crank are required when replacing either on breakers with the round configured socket and crank.

Breaker Charging Assembly



Item	Description	Style Number
1	Cam Assembly	See Page 11
2	Veeder Counter	592C040H01
2A	Veeder Counter Link	8056A67H01
3	Latch Check Switch	8058A65G01
4	Shunt Trip Device	See Page 3
5	Spring Release Device	See Page 3
6	Ratchet Pawl	See Page 11
7	Ratchet Cam	See Page 11

Breaker Cam Assembly

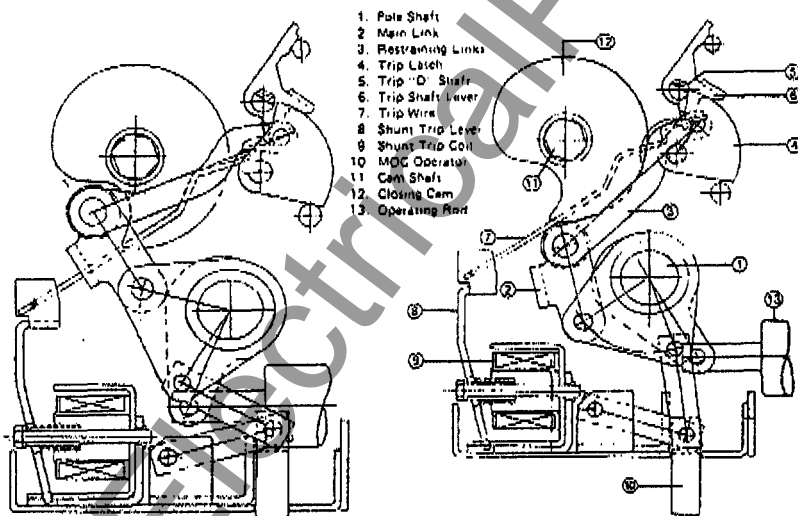


Ratchet Pawl Kit (All Breakers) Item 7

The following items from above figure are available as a kit: #8257A41G01

Item	Description	Style Number
1	Ratchet Pawl Mounting Pin	INC
2	Ratchet Pawl Pin Stop	INC
3	Ratchet Pawl Spring	INC
4	Ratchet Pawl Spring	INC
5	Ratchet Pawl	INC
6	Hand Ratchet Return Spring	INC

The complete charging cam sub assembly as shown style 692C299G01.



1. Pole Shaft
2. Main Link
3. Restraining Links
4. Trip Latch
5. Trip D Shaft
6. Trip Shaft Lever
7. Trip Wire
8. Shunt Trip Lever
9. Shunt Trip Coil
10. MOC Operator
11. Cam Shaft
12. Closing Cam
13. Operating Rod

Closing Cam and Trip Linkage (All Breakers)

The following items from above figure are available as a kit: #8257A40G01

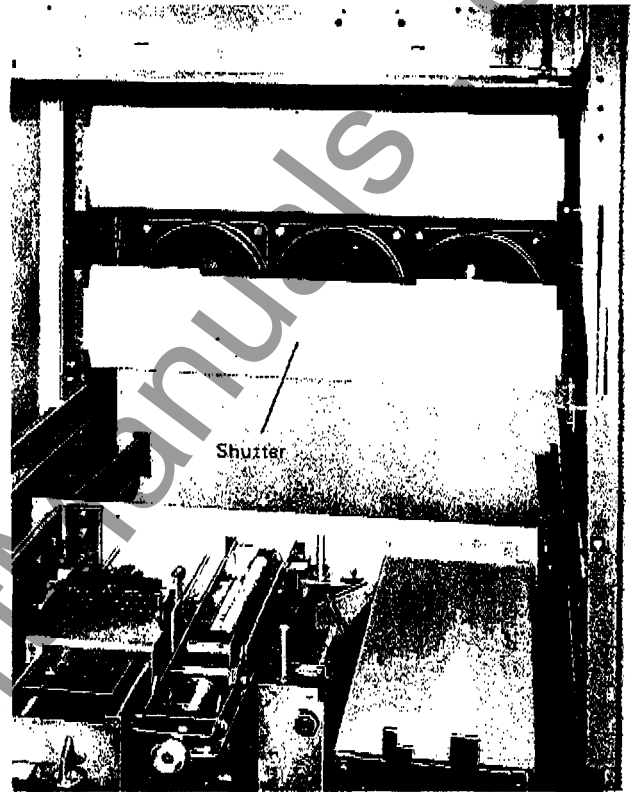
Item	Description	Style Number
2	Main Link	INC
3	Restraining Links	INC
4	Trip Latch	INC
5	Trip D Shaft	INC
6	Trip Shaft Lever	INC
7	Trip Wire	INC
10	MOC Operator	INC

Items 9 and 13 are described on pages 3 and 6.



Shutter and Cell Parts

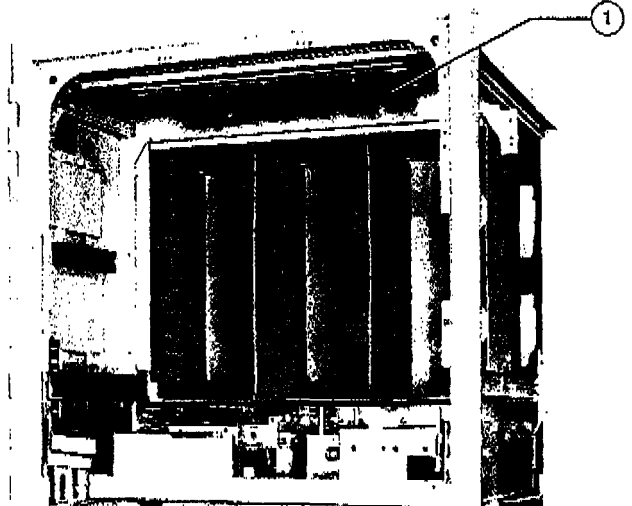
VAC Clad Shutter Assembly	Style Number
5kV and 15kV All Ratings	693C435G01
Shutter Assembly Linkage	
5kV	635bC78G01
15kV	6355C78G02
Pull Fuse Assembly 60 Amp 2 Pole	1A31000H02
Pull Fuse Assembly 30 Amp 2 Pole	1A31000H01
Fuse Block 30A 2 Pole	784A547H02



Breaker Compartment Front View with Interphase Barrier Removed and Shutters Closed

Item Number	Description	Style Number
1	6 Pt. Terminal Block	8261A44G02
	12 Pt. Terminal Block	8261A44G04
	Mounting Hardware for above Terminal Blocks	
	Screw	70030ATJ8S
	Nut	70220CPN12
	Door Knob Hardware Kit	8257A46G01
	Kit Includes, Knob, Nut, Washer	
	Self Tapping Hardware Kit	8257A45G01
	Kit Includes 100 Pieces of	
	70010KSBCH Self Tapping Screws	

1 Doors hinged with piano hinge order kit 8257A46G01.
Doors with std hinges (two) order door knob kit 8257A46G01





Cell Stabs Assembly

VAC-Clad Stab Molding Assembly

Description	Style Number
Porcelain 1200 Amp Bus Side	6437C76G01
Porcelain 1200 Amp Line Side	6437C76G02
Porcelain 2000 Amp Bus Side	6437C76G03
Porcelain 2000 Amp Line Side	6437C76G04
Porcelain 3000 Amp 5kV	6355C65G01
Porcelain 3000 Amp 15kV	6355C65G02
Glas Poly 1200 Amp Bus Side	6437C76G05
Glas Poly 1200 Amp Line Side	6437C76G06
Glas Poly 2000 Amp Bus Side	6437C76G07
Glas Poly 2000 Amp Line Side	6437C76G08

Type BYZ Zero Sequence Current Transformers

All VCP Applications			
Rating	ID	Style Number	Class
50:5	7.50	6353C97H01	C10
100:5	7.50	6353C97H02	C20

Space Heaters

Heaters, to minimize condensation, are furnished as standard equipment on all outdoor equipment. One heater is mounted in the lower rear of the breaker module and another in the lower part of the line module. These heaters are operated at half voltage for long life.

Standard Styles/Ratings Heater only are:

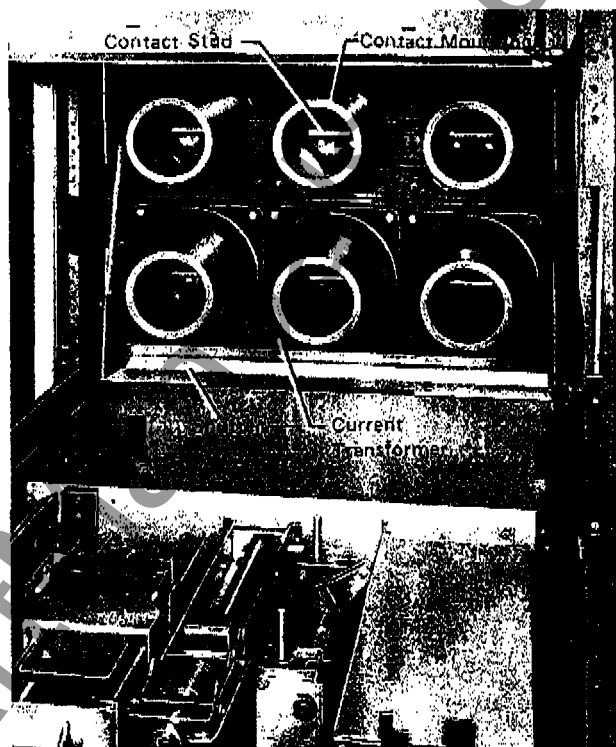
- 3614A50H01 use for 250W at approx. 125 Volts
- 3614A50H02 use for 250W at approx. 250 Volts
- 3614A50H04 use for 95W at approx. 125 Volts
- 3614A50H05 use for 100W at approx. 250 Volts

Groupings of Heaters as applied to VCP Assemblies:

Description	Style Number
125V Bkr:Bkr 750W Nom	6350C29G01
125V Bkr:Aux 750W Nom	6350C29G03
125V Aux:Bkr 750W Nom	6350C29G05
125V 3000A Bkr 750W Nom	6350C29G07
125V Aux:Aux 750W Nom	6350C29G09
250V Bkr:Bkr 750W Nom	6350C29G02
250V Bkr:Aux 750W Nom	6350C29G04
250V Aux:Bkr 750W Nom	6350C29G06
250V 3000A Bkr 750W Nom	6350C29G08
250V Aux:Aux 750W Nom	6350C29G10

Test Cabinets - VCP Breakers

Description	Style Number
Any DC Close & Trip, Com, w/wo UV	8346A28G05
AC/DC Close, DC Trip, Sep w/wo UV	8346A28G06
120/240V AC Close, Cap Trip	8346A28G07
Any DC Close, Trip Com Set Motor, w/wo UV	8346A28G08



Breaker Compartment Front View with Interphase Barrier Removed and Shutters Open

www.ElectricalPartManuals.com



Current Transformers

VAC-Clad Thick Profile Current Transformer

Description	Style Number
50/5, Relay Class C10	6353C89H01
75/5, Relay Class C20	6353C89H02
100/5, Relay Class C20	6353C89H03
150/5, Relay Class C50	6353C89H04
200/5, Relay Class C50	6353C89H05
250/5, Relay Class C50	6353C89H06
300/5, Relay Class C100	6353C89H07
400/5, Relay Class C100	6353C89H08
500/5, Relay Class C100	6353C89H09
600/5, Relay Class C200	6353C89H10
800/5, Relay Class C200	6353C89H11
1000/5, Relay Class C200	6353C89H12
1200/5, Relay Class C400	6353C89H13
1500/5, Relay Class C400	6353C89H14
2000/5, Relay Class C400	6353C89H15
2500/5, Relay Class C400	6353C89H16
3000/5, Relay Class C800	6353C89H17

VAC-Clad Narrow Profile Current Transformer

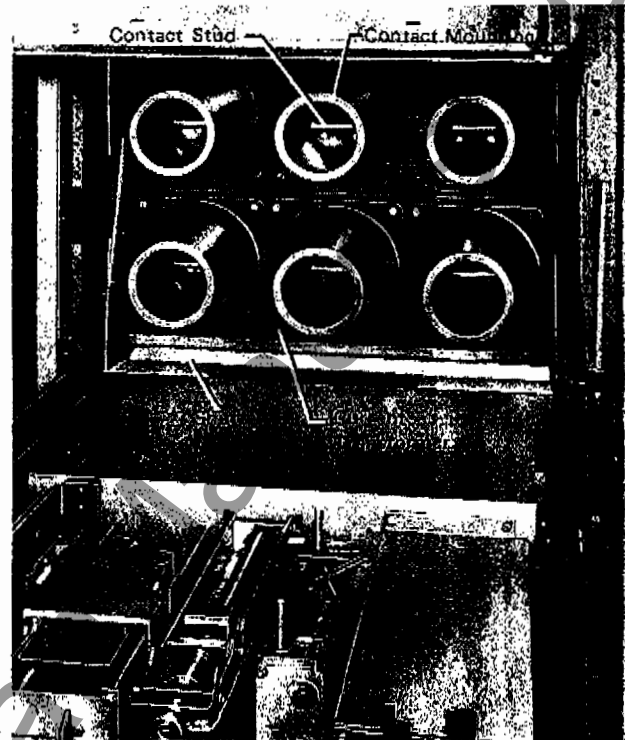
Description	Style Number
100/5, Relay Class C10	6353C88H01
150/5, Relay Class C20	6353C88H02
200/5, Relay Class C20	6353C88H03
250/5, Relay Class C20	6353C88H04
300/5, Relay Class C20	6353C88H05
400/5, Relay Class C50	6353C88H06
500/5, Relay Class C50	6353C88H07
600/5, Relay Class C50	6353C88H08
800/5, Relay Class C100	6353C88H09
1000/5, Relay Class C100	6353C88H10
1200/5, Relay Class C200	6353C88H11
1500/5, Relay Class C200	6353C88H12
2000/5, Relay Class C200	6353C88H13
2500/5, Relay Class C200	6353C88H14
3000/5, Relay Class C200	6353C88H15
4000/5, Relay Class C200	6353C88H16
4000/4, Relay Class C200	6353C88H17

VAC-Clad Thick Profile Multi-Ratio Current Transformer

Description	Style Number
600/5, Relay Class C200	6436C46H01
1200/5, Relay Class C400	6436C47H01
2000/5, Relay Class C400	6436C48H01
3000/5, Relay Class C800	6436C49H01
4000/5, Relay Class C800	6436C50H01

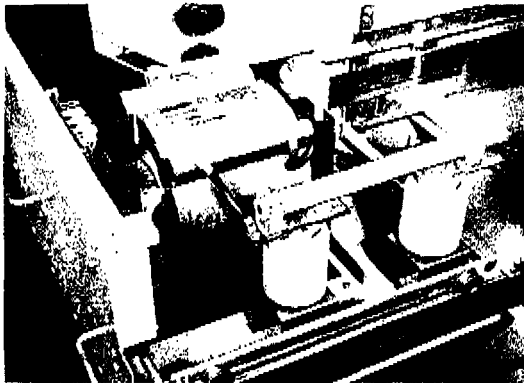
VAC-Clad Narrow Profile Multi-Ratio Current Transformer

Description	Style Number
600/5, Relay Class C100	6350C23H01
1200/5, Relay Class C200	6350C24H01
2000/5, Relay Class C200	6350C25H01
3000/5, Relay Class C200	6350C26H01
4000/5, Relay Class C200	6350C27H01



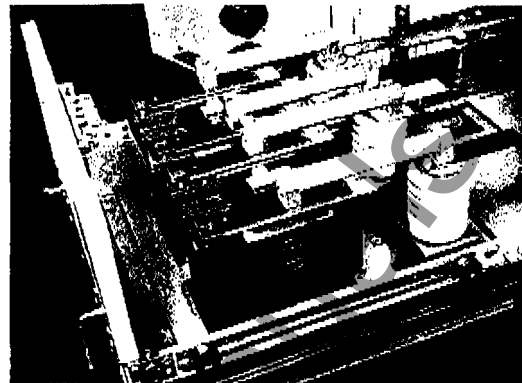


Drawer Parts



Drawout Drawer for Power Transformers

The control power transformer drawer accommodating up to 15 kVA single phase transformers with protective primary fuses is shown in connected position installed below the potential transformer.



Drawout Drawer for Potential Transformers

The potential transformers are the latest design cast epoxy meeting all industry standards. Up to three potential transformers can be supplied per drawer.

Control Power Transformers

Voltage	kVA	Conn.	Style Number	Fuse	Rating
2400	5	L-L	506A004H01	5A	5 kV
2400	10	L-L	506A004H02	10A	5 kV
2400	15	L-L	506A004H03	10A	5 kV
4200	5	L-L	506A004H05	5A	5 kV
4200	10	L-L	506A004H06	5A	5 kV
4200	15	L-L	506A004H07	10A	5 kV
4760	5	L-L	506A004H09	5A	5 kV
4760	10	L-L	506A004H10	5A	5 kV
4760	15	L-L	506A004H11	10A	5 kV
7200	5	L-L	506A004H13	5A	7.5 kV
7200	10	L-L	506A004H14	5A	7.5 kV
7200	15	L-L	506A004H15	5A	7.5 kV
9000	5	L-G	506A004H25	5A	7.5 kV
9000	10	L-G	506A004H26	5A	7.5 kV
9000	15	L-G	506A004H27	5A	7.5 kV
12470	5	L-L	506A004H17	5A	15 kV
12470	10	L-L	506A004H18	5A	15 kV
12470	15	L-L	506A004H19	5A	15 kV
13200	5	L-L	506A004H21	5A	15 kV
13200	10	L-L	506A004H22	5A	15 kV
13200	15	L-L	506A004H23	5A	15 kV
13800	5	L-L	506A004H31	5A	15 kV
13800	10	L-L	506A004H32	5A	15 kV
13800	15	L-L	506A004H33	5A	15 kV
13.2-15.0	5	L-G	506A004H28	5A	15 kV
13.2-15.0	10	L-G	506A004H29	5A	15 kV
13.2-15.0	15	L-G	506A004H30	5A	15 kV

Potential Transformers

Style Number	Rating
VIY-60 2400-120V	7525A55G01
VIY-60 4200-120V	7525A55G02
VIY-60 4200-120V	7525A55G01
VIY-60 4800-120V	7525A55G03
VIZ-11 2400-120V	7525A73G01
VIZ-11 4200-120V	7525A73G02
VIZ-11 2400-120V	7525A72G01
VIZ-11 4800-120V	7525A73G03
VIZ-11 7200-120V	7525A71G05
VIZ-11 4200-120V	7525A72G05
VIZ-11 8400-120V	7525A71G07
VIZ-11 4800-120V	7525A72G03
VIZ-11 12000-120V	7525A71G08
VIZ-11 7200-120V	7525A72G04
VIZ-11 13200-120V	7525A71G09
VIZ-11 7620-120V	7525A71G06
VIZ-11 7620-120V	7525A72G05
VIZ-11 14400-120V	7525A71G10
VIZ-11 8400-120V	7525A72G06
VIY-60 2400-120V	7525A54G01
VIY-60 4200-120V	7525A54G02
VIY-60 4800-120V	7525A54G03
VIZ-11 2400-120V	7525A75G01
VIZ-11 4200-120V	7525A75G02
VIZ-11 4800-120V	7525A76G03
VIZ-11 7200-120V	7525A70G05
VIZ-11 8400-120V	7525A70G07
VIZ-11 12000-120V	7525A70G08
VIZ-11 14400-120V	7525A70G10

Auxiliary Drawer Compartment Components

Description	Style Number
6 in. High Fuse Insulator	
Glass Poly	686C615G01
Porcelain	8789A17H01
Sta. Primary Disconnects--All Aux.	
Contact Fingers (2 Required)	3755A05H01
Moving Primary Stab (Fuse)	509B252H01
Moving Primary Stab (CPT)	509B013H01
Moving Primary Stab (PT)	509B013H01
Secondary Contacts Aux Drawers	
Female Contacts All-Aux	6356C69G01
Male Contacts PT-Aux	6438C71G09
Male Contacts CPT-Aux	6438C71G08

Main Bus PT Fuses Control Fuses

Standard Bus Sizes Fluidized - Copper Insulated Main

Length	Thickness	Width	Plating Material	Style Number
34 in.	.250	6 in.	Tin	509B044H01
34 in.	.500	6 in.	Tin	509B044H02
34 in.	.375	6 in.	Tin	509B044H03
34 in.	.250	6 in.	Silver	509B044H06
34 in.	.500	6 in.	Silver	509B044H07
34 in.	.375	6 in.	Silver	509B044H08

Standard Sizes of Bus Bars Copper bus full round edge/silver plated.

Description	Style Number
96 inches of .188 in. tk. x 1.75 in. wide	8062A08H01
96 inches of .188 in. tk. x 2 in. wide	8062A08H02
96 inches of .250 in. tk. x 2 in. wide	8062A08H03
96 inches of .250 in. tk. x 2.5 in. wide	8062A08H04
96 inches of .250 in. tk. x 3 in. wide	8062A08H05
96 inches of .250 in. tk. x 3.5 in. wide	8062A08H06
96 inches of .250 in. tk. x 4 in. wide	8062A08H07
96 inches of .250 in. tk. x 4.5 in. wide	8062A08H08
96 inches of .250 in. tk. x 5 in. wide	8062A08H09
96 inches of .250 in. tk. x 6 in. wide	8062A08H10
96 inches of .313 in. tk. x 3 in. wide	8062A08H11
96 inches of .5 in. tk. x 3 in. wide	8062A08H12
96 inches of .5 in. tk. x 4 in. wide	8062A08H13
96 inches of .5 in. tk. x 5.5 in. wide	8062A08H14
96 inches of .5 in. tk. x 6 in. wide	8062A08H15
96 inches of .75 in. tk. x 4 in. wide	8062A08H16
96 inches of .75 in. tk. x 5 in. wide	8062A08H17

Insulation Tubing (Noryl) for Main Bus

Description	Style Number
96 inches of .276 x 2.033 x .132 radius x .125 wall thk. (.250 x 2 copper)	8065A39H01
96 inches of .276 x 3.033 x .132 radius x .125 wall thk. (.250 x 3 copper)	8065A39H02
96 inches of .526 x 3.033 x .257 radius x .125 wall thk. (.5 x 3 copper)	8065A39H03
96 inches of .526 x 4.033 x .257 radius x .125 wall thk. (.5 x 4 copper)	8065A39H04
96 inches of .526 x 6.043 x .257 radius x .125 wall thk. (.5 x 6 copper)	8065A39H05
96 inches of .526 x 8.053 x .257 radius x .125 wall thk. (.5 x 8 copper)	8065A39H06
96 inches of .776 x 4.033 x .388 radius x .125 wall thk. (.75 x 4 copper)	8065A39H07
96 inches of .776 x 5.033 x .388 radius x .125 wall thk. (.75 x 5 copper)	8065A39H08

Potential Transformer Secondary Fuses - Non-Renewable - Non-Indicating

250 Volt - Ferrule Type		600 Volt - Ferrule Type	
1 Amp	73482AJQOB - Bussman Cat. NON 1	1 Amp	73482AKOOB - Bussman Cat. NOS 1
3 Amp	73482AJOOD - Bussman Cat. NON 3	3 Amp	73482AKOOD - Bussman Cat. NOS 3
6 Amp	73482AJOOG - Bussman Cat. NON 6	6 Amp	73482AKOOG - Bussman Cat. NOS 6
10 Amp	73482AJOOH - Bussman Cat. NON 10	10 Amp	73482AKOOH - Bussman Cat. NOS 10
15 Amp	73482AJOOJ - Bussman Cat. NON 15	15 Amp	73482AKOOJ - Bussman Cat. NOS 15
20 Amp	73482AJOOK - Bussman Cat. NON 20	20 Amp	73482AKOOK - Bussman Cat. NOS 20
25 Amp	73482AJOOL - Bussman Cat. NON 25	25 Amp	73482AKOOL - Bussman Cat. NOS 25
30 Amp	73482AJOOM - Bussman Cat. NON 30	30 Amp	73482AKOOM - Bussman Cat. NOS 30
60 Amp	73482AJOOS - Bussman Cat. NON 60	60 Amp	73482AKOOS - Bussman Cat. NOS 60

The secondary fuses listed above are standard for Assemblies, and can be ordered through WESCO, indicating the Bussman Catalogue number.

Control fuses styled 120A823 and 120A824 are also 600 volt control fuses. See WESCO for equivalent Bussman Catalogue number.

EZC Minalite 24 Volt Bulb - Style 1124156
For replacement Minalite Assembly see DB 34-350.

Potential Transformer Fuses

5 kV		
2400-Volt	2 Ampere	677C592G04
4200 Volt	0.5 Ampere	677C452G01
15 kV		
4200 Volt	0.5 Ampere	677C452G01
7200 Volt	0.5 Ampere	677C452G02
14400 Volt	0.5 Ampere	677C452G03

Control Power Transformer Fuses

5 kV		
2.4 kV	15 Ampere	678C240G01
2.4 kV	25 Ampere	678C240G03
5 kV	5 Ampere	677C453G01
5 kV	10 Ampere	677C453G04
5 kV	15 Ampere	678C240G04
5 kV	25 Ampere (4160V)	678C240G06
15 kV		
7.5 kV	5 Ampere	677C453G02
7.5 kV	10 Ampere	677C453G05
15 kV	5 Ampere	677C453G03
15 kV	10 Ampere	677C453G06
15 kV	25 Ampere	678C240G12

Taping Kit - 3710A12G01

Main bus bars and/or risers cut to size and drilled are not available from this catalog. Please contact the nearest Westinghouse Engineering Service facility for assistance.

Copper Risers

Risers are not available from this catalog. Please contact the nearest Westinghouse Engineering Service facility for assistance.

Insulation Boots

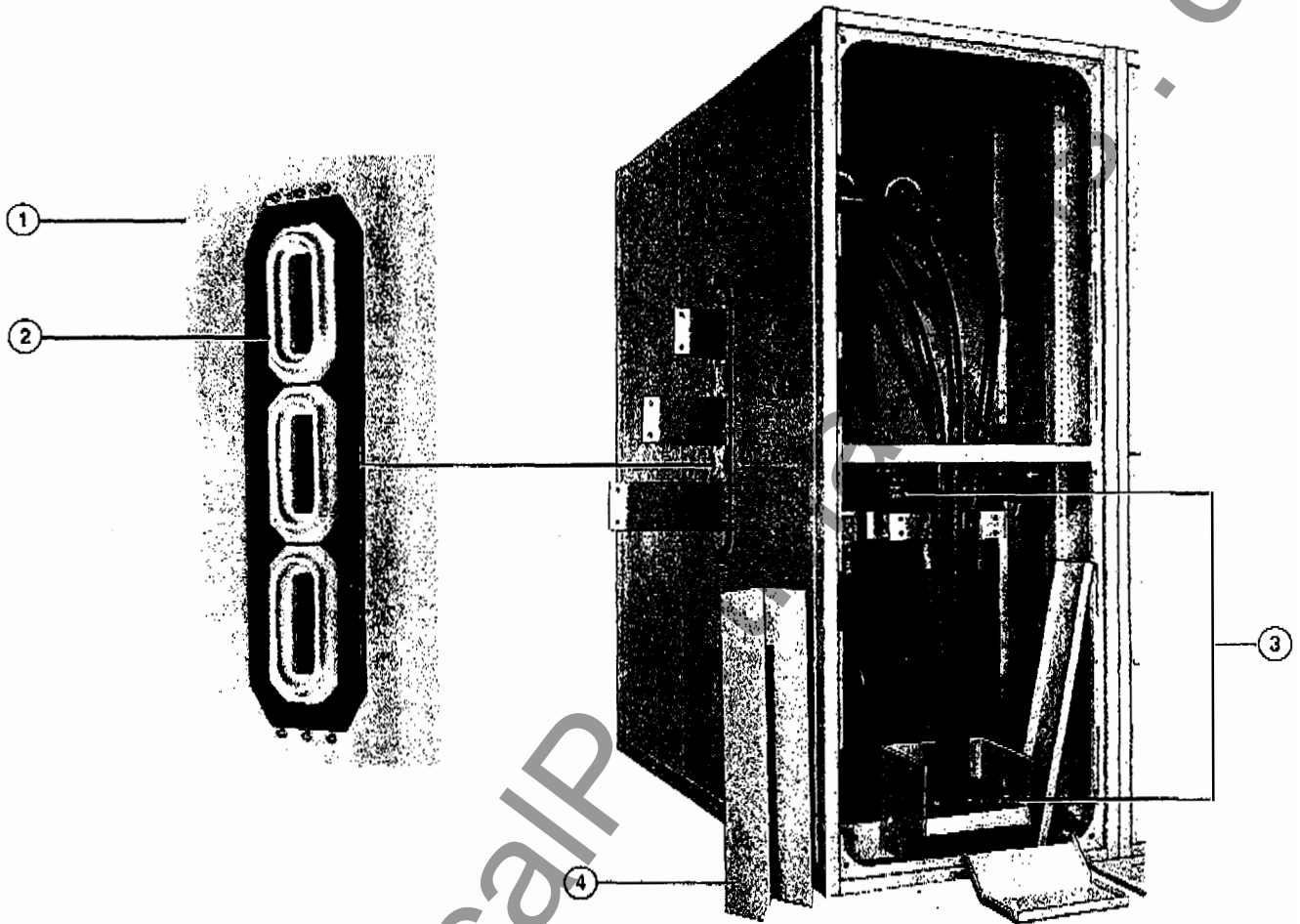
Boots are not available from this catalog. They can be ordered from:
Eger Products
P.O. Box 14467
Cincinnati, OH 45214
Phone 513-721-2778

Hook Stick for Fuse

Order Catalogue 5158-4 From Bodendiek Tool Company, Taylorville, Illinois.



Bus Supports



① Main Bus Support

Description	Style Number
5 kV	6355C58H01
15 kV Porcelain	6355C77G01

Main Bus

All main bus has fluidized bed epoxy flame retardant track resistant insulation. The bolted bus connections are silver plated for positive contact and low resistance.

The main bus supports are flame retardant track resistant glass polyester with porcelain inserts at 15 kV.

② Shubbers (Grommet)

Description	Style Number
Not Shown	Rubber Inserts
1200A	6362C41H01
2000A	6359C19H01
3000A	6359C20H01

③ Cable Compartment Components

Description	Style Number
Stand-Off Bus Supports	6444C78G01
ZST 50/5 Z	6353C97H01
ZSY 100/5 Z1	6353C97H02

④ Cable Accessibility

The design provides adequate space for cable termination in the two high arrangement with cable for each circuit separated by metal barriers. Barriers are easily removed as shown.

ATTN
Tom

W
com

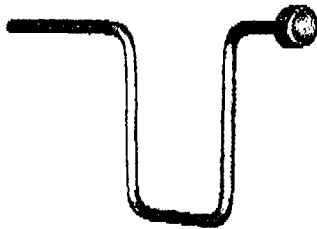
VCP Accessories

Accessories

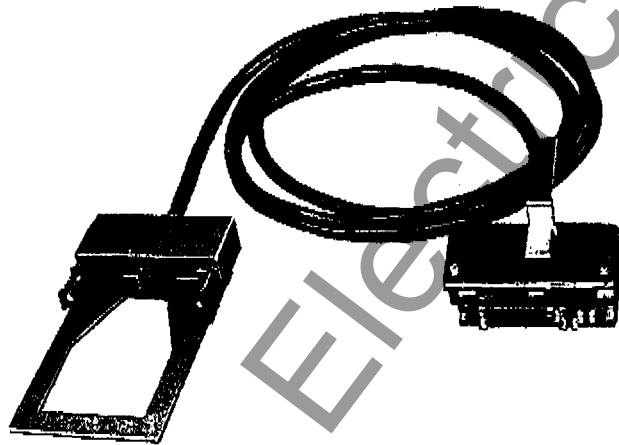
Each new VAC-CLAD installation is provided with a set of accessories. Depending upon customer's specifications and the nature of the installation, the accessories will include one or more of the following:



Maintenance Tool Style Number 692C311G01
Used for:
Slow closing the breaker outside the compartment.
Manually charging the breaker closing spring.
Manually opening the shutter.



Ⓢ **Levering Crank Style Number 8079A35G03** – with Clutch
For moving the breaker between the test and connected positions.
Levering Crank without Clutch #8079A35G02

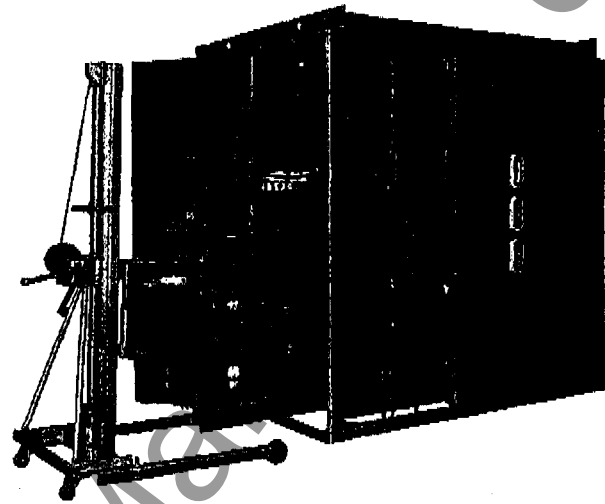


Test Jumper Style Number 6367C70G01
For electrically operating the breaker while out of its compartment.

Ammeter Test Plug Style Number 7B4618G04

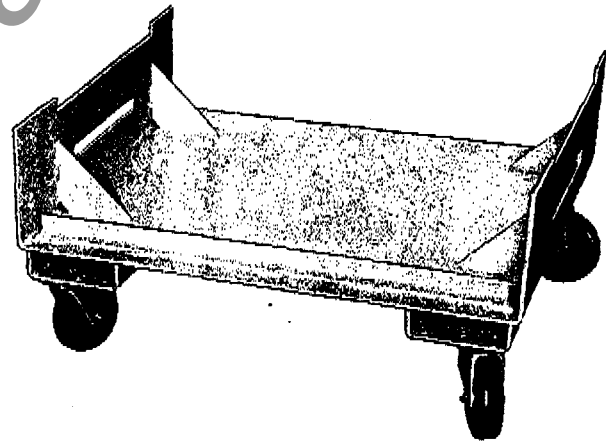
10 pt. Separate Source Style Number 1164046

Ⓢ Clutch assembly on VCP breakers built in 1987 was removed and included on levering crank. Style #8079A35G03 will work with all vintage breakers.

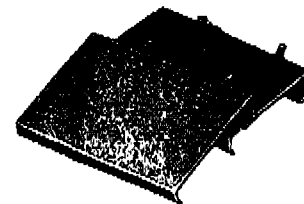


Breaker Lifting Yoke Style Number 6465C68G01
Used for attachment to breaker for lifting breaker from rails.

Portable Lifting Device Style Number 6366C91H01
Used to lift breaker from rails and allow movement.
Also available – Portable lifting device. Breaker must be 12" above floor Style 6366C91H02



Transport Dolly Style Number 6350C33G01
For moving breaker about outside its compartment.



Rail Clamps Style Number 6365C18G01 – 2 Req'd
For clamping breaker on extended rails for maintenance.

Paint:
PAINT, LIGHT
PAINT, GRAY

ANSI 61-16 OZ SPRAY
ANSI 24-16 OZ

32220BW00S
32220BV00S

January, 1988



Ground and Test Devices

Amp Ratings Style Number

Manual Ground and Test Devices

1200/2000	692C300G02
3000	692C300G04

Electrically Closed Ground and Test Devices

1200/2000 48 Volt	692C520G01
3000 48 Volt	692C520G06
1200/2000 125 VDC/120 VAC	692C520G02
3000 125 VDC/120 VAC	692C520G07
1200/2000 250 VDC/240 VAC	692C520G03
3000 250 VDC/240 VAC	692C520G08

www.ElectricalPartManuals.com



www.ElectricalParts.com

Index

Description of Items	Page		
VCP Breaker Ratings	1	MOC Switch	9
VCP Breaker Front Panel Removed	2	Levering in Device	9
Auxiliary Switches	3	Stationary Secondary Contacts	9
Closing Springs	3	TOC Switch	9
Spring Release Device	3	Rail Assembly	9
Shunt Trip Device	3	Key Interlock - Breaker	9
Latch Check Switch	3	Interphase Barriers	9
Opening Spring	3	Breaker View Charging Mechanism	10
Dash Pot	3	Operations Counter	10
Resistor	3	Latch Check Switch	10
Anti-Pump Relay	3	Charging Cam Sub Assembly	11
DC Position Switch	3	Closing Cam and Trip Linkage	11
Complete Pole Units	4	VAC-CLAD Shutter Assembly	12
Pole Unit Insulators	4	Pull Fuse and Fuse Block	12
Primary Disconnect Clusters	4	Terminal Blocks	12
Breaker Rail Rollers	4	Door Knob Hardware	12
Undervoltage Trip Device	5	VAC-CLAD Stab Molding Assembly	13
Motor Assembly	5	BYZ Current Transformers	13
Spring Release Coil	5	Space Heaters	13
Shunt Trip Coil	5	Test Cabinets	13
VCP Breaker Rear Bottom View	6	Current Transformers	14
Operating Rod Complete	6	Potential Transformers	15
Bell Crank	6	Control Power Transformers	15
Levering Latch	6	Primary and Secondary Contacts	15
VCP Breaker Left Side	7	Bus Bars	16
Anti-Pump Relay	7	Insulation Tubing	16
Resistor	7	PT, and CPT Fuses	16
Closing Spring Kit	7	Fluidized Bus	16
Auxiliary Switch Linkage	7	Main Bus Supports	17
Closing Spring	7	ZST's	17
Breaker Pan Assembly View	8	Accessories For VCP	18
		Ground and Test Devices	19
		Index	20

Printed in U.S.A.

Westinghouse Electric Corporation
Distribution and Control Business Unit
875 Greentree Road
Pittsburgh, PA 15220