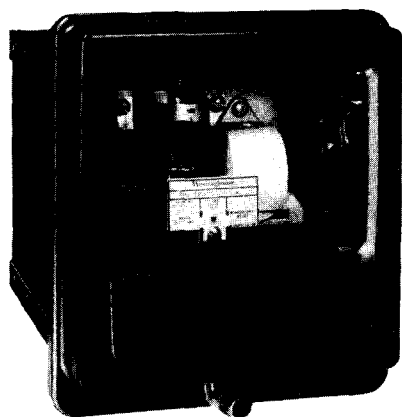




March, 1986
New Information
Mailed to: E, D, C/41-400B

In FT-11 Flexitest Case^①

Type CVD Voltage Relay



Type CVD

Ordering Information

- Give the 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.

CVD Relay in FT-11 Case

Complete Relay Style Number	Range (Volts)	Freq. (Hz)	Indicator (Amps)	Style Number of Part			
				Electro-Magnet	Disc & Shaft Assembly	Moving Contact, Spring and Adj.	Permanent Magnet
1961 156	105-135	60	.....	58B4871G01	880A772G09	880A722G12	1732 777
1961 943	105-135	60	.25	58B4871G01	880A772G09	880A722G12	1732 777
1962 734	105-135	60	.2-2.0	58B4871G01	880A772G09	880A722G12	1732 777
1963 094	40-160	60	.2-2.0	407C482G02	880A772G10	880A722G19	1732 777
289B970A08	210-270	50	.....	407C594G14	880A772G09	880A722G12	1732 777
289B970A09	40-160	60	.....	407C482G02	880A772G10	880A722G19	1732 777
289B970A10	80-320	60	.....	407C482G04	880A772G10	880A722G19	1732 780
289B970A12	30-120	60	.2-2.0	407C482G01	880A772G10	880A722G19	1732 780
289B970A13	210-270	60	.....	407C594G12	880A772G09	880A722G12	1732 777
289B970A14	15-60	60	.2-2.0	407C482G03	880A772G10	880A722G19	1732 780
289B970A15	40-160	60	.2-2.0	407C482G02	880A772G10	880A722G19	1732 777
289B970A16	180-230	60	.....	407C594G13	880A772G09	880A722G12	1732 777
289B970A19	40-160	60	1.0	407C482G02	880A772G10	880A722G19	1732 777
289B970A20	30-120	60	.....	407C482G01	880A772G10	880A722G19	1732 777
289B970A21	30-120	60	.....	407C482G01	880A772G10	880A722G19	1732 780
289B970A22	40-160	50	.....	407C482G05	880A772G10	880A722G19	1732 780
289B970A23	210-270	50	.2-2.0	407C594G14	880A772G09	880A722G12	1732 777
289B970A24	30-120	50	.2-2.0	407C482G06	880A772G10	880A722G19	1732 780
289B970A25	40-160	50	2.0	407C482G05	880A772G10	880A722G19	1732 780
289B970A26	80-320	50	.....	407C482G07	880A772G10	880A722G19	1732 780
289B970A27	40-160	60	.2-2.0	407C482G02	880A772G10	880A722G19	1732 777
289B970A28	30-120	60	.2-2.0	407C482G01	880A772G10	880A722G19	1732 777
289B970A29	40-160	50	.2-2.0	407C482G05	880A772G10	880A722G19	1732 780
289B970A32	105-135	60	.2-2.0	58B4871G01	880A772G09	880A722G12	1732 777
289B970A33	105-135	60	1.0	58B4871G01	880A772G09	880A722G12	1732 777

^① For Flexitest Case Parts refer to RPD 41-076A1.



Common Parts

Ref. No.	Description of Part	Style Number	ICS Unit ^②		Style Number	
			Rating (Amps, Dc)	Target Marking	Single Trip	Double Trip
1	Electromagnet	See Table*	.2-2.0	Blank	.....	3491A37G18
2	Top Bearing Screw	52D6291G03	.2-2.0	O	3491A34G24	.....
3	Disc and Shaft Assembly	See Table	.2-2.0	U	3491A34G25	.....
4	Lower Bearing	184A440G01				
5	Moving Contact, Spring and Adjuster Assembly	See Table*				
6	Bottom Bearing Screw	3499A37G09				
7	Nut for Bottom Bearing Screw	203 056				
8	Stationary Contact and Support Assembly	407C057G01				
9	Contact on Spring	183A654G01 ^{③*}	.25		3491A30G12	3491A30G11
10	Set Screw and Plate	407C057G03 ^③	1.0	3491A39G23	3491A30G26	3491A30G25
11	Permanent Magnet	See Table	2.0	.....	3491A30G21	3491A30G22
12	ICS Unit	See Table ^{②*}				
13	ACS Unit	See Table ^{②*}				
14	Operation Indicator	See Table ^{②④*}				
15	Stationary Contact for ICS and ACS Unit	1732 868 ^{③*}				
16	Stationary Contact for ICS and ACS Unit (DPST Only)	183A860G02*				

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

② For ICS, ACS and operation indicator unit parts refer to RPD 41-852A1.

③ Two (2) used.

④ Operation indicator is an ICS unit without contacts.

* Recommended for stock.

Operation Indicator^{④②}

Rating (Amps)	Target Marking	Style Number
.2-2.0	U	3491A66G09
.2-2.0	O	3491A66G10



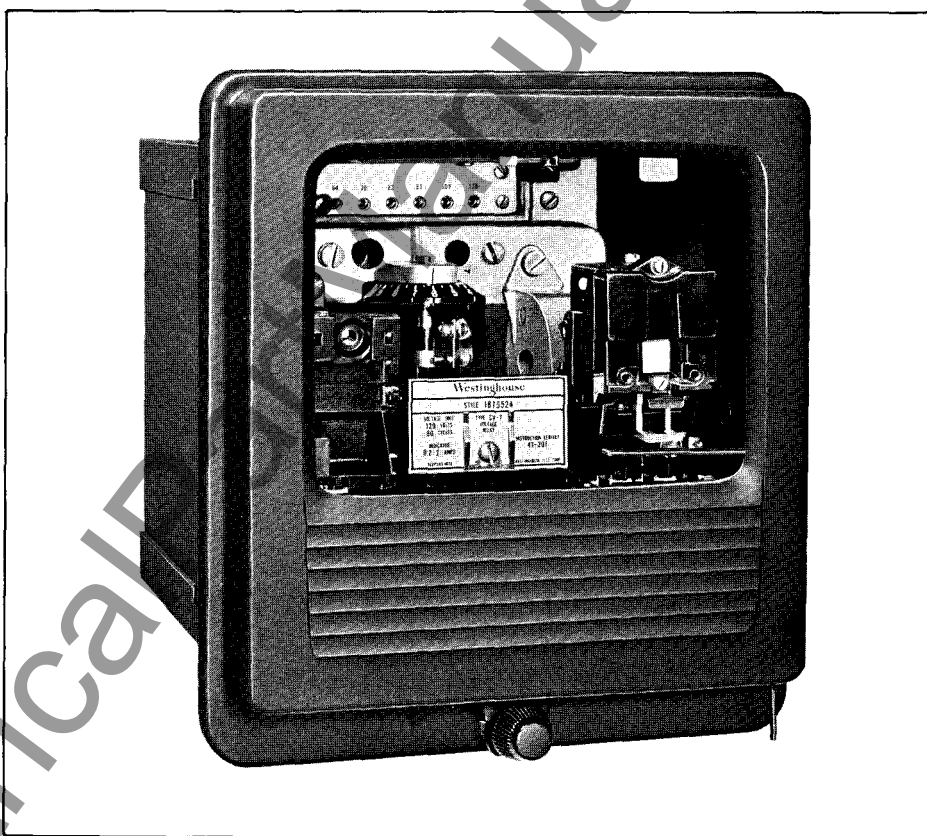
November, 1985
Supersedes RPD 41-201A1 HWEA
dated April, 1976
Mailed to: E, D, C/41-400B

Types CV1-2-4-5-6-7-8 in FT-11 case①
CV21-22-24-25-26-27 in FT-11 case①
CV-8 in FT-21 case①

Type CV Voltage Relays

Ordering Information

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



SPST

Complete Relay Style Number	Type	Rated Volts	Freq. Hz.	Style Number of Part				
				ICS Unit	ACS Unit	IVS Unit	AVS Unit	IIV Unit
1875 506	CV1	55-140	60	3491A37G17	.....	.....	.....	.....
1875 507	CV1	110-280	60	3491A37G17	.....	.....	.....	.....
1875 508	CV2	55-140	60	3491A37G17	.....	.....	.....	.....
1875 509	CV2	110-280	60	3491A37G17	.....	.....	.....	.....
1875 510	CV4	55-140	60	3491A37G17	.....	.....	.....	.....
1875 511	CV4	110-280	60	3491A37G17	.....	.....	.....	.....
1875 512	CV5	55-140	60	3491A37G17	.....	.....	.....	.....
1875 513	CV5	110-280	60	3491A37G17	.....	.....	.....	.....
1875 526	CV8	67	60	3491A37G17	.....	.....	.....	.....
1875 527	CV8	199	60	3491A37G17	.....	.....	.....	.....
1878 630	CV1	55-140	50	3491A37G17	.....	.....	.....	.....
1878 631	CV1	110-280	50	3491A37G17	.....	.....	.....	.....
1878 632	CV2	55-140	50	3491A37G17	.....	.....	.....	.....
1878 633	CV2	110-280	50	3491A37G17	.....	.....	.....	.....
1878 634	CV4	55-140	50	3491A37G17	.....	.....	.....	.....
1878 635	CV4	110-280	50	3491A37G17	.....	.....	.....	.....

① For Flexitest case parts refer to RPD 41-076A1.

SPST, Continued

Complete Relay Style Number	Type	Rated Volts	Freq. Hz.	Style Number of Part				
				ICS Unit②	ACS Unit②	IVS Unit②	AVS Unit②	IIV Unit②
1878 636	CV5	55-140	50	3491A37G17	.....	.....	.....	.....
1878 637	CV5	110-280	50	3491A37G17	.....	.....	.....	.....
1878 642	CV8	67	50	3491A37G17	.....	.....	.....	.....
1878 643	CV8	199	50	3491A37G17	.....	.....	.....	.....
1956 847	CV1	55-140	60	.....	3491A39G17	.....	.....	.....
1961 658	CV2	55-120	60	.....	.....	.....	.....	.....
1961 874	CV8	199	60	.....	.....	.....	.....	.....
1962 255	CV8	67	60	3491A37G17	.....	.....	.....	.....
1962 256	CV8	67	60	3491A37G17	.....	.....	.....	.....
1962 360	CV8	67	180	3491A37G17	.....	.....	.....	.....
1963 287	CV2	220-560	60	.....	3491A39G09	.....	.....	.....
1963 308	CV2	55-140	60	{3491A37G14① 3491A37G15②	.....	.....	.....	.....
1963 590	CV8	280	60	3491A37G17	.....	.....	.....	.....
1963 625	CV5	55-140	50	3491A37G17	.....	.....	.....	.....
1963 731	CV2	55-140	50	3491A37G17	.....	.....	.....	.....
1963 796	CV1	120	60	.....	3491A39G09	.....	.....	.....
1963 805	CV1	220-560	60	.....	3491A39G20	.....	.....	.....
1963 806	CV8	199	60	.....	3491A39G13	.....	.....	.....
1963 890	CV5	55-140	60	.....	{3491A39G25① 3491A39G26②	.....	.....	.....
1487B09A09	CV5	55-140	60	.....	.....	3491A35G19	.....	.....
1487B09A10	CV5	110-280	50	.....	.....	.....	.....	3491A26G13
183A205A11	CV8	67	96	3491A37G17	.....	.....	.....	.....
183A205A15	CV8	67	60	3491A37G17	.....	.....	.....	.....
183A205A16	CV8	67	50	3491A37G17	.....	.....	.....	.....
183A205A23	CV8	67	60	.....	3491A39G17	.....	.....	.....
288B549A13	CV1	220-560	60	3491A37G17	.....	.....	.....	.....
288B549A14	CV1	220-560	50	3491A37G17	.....	.....	.....	.....
288B549A15	CV2	110-280	60	.....	.....	.....	.....	.....
288B549A21	CV2	220-560	60	3491A37G17	.....	.....	.....	.....
288B549A22	CV2	220-560	50	3491A37G17	.....	.....	.....	.....
288B549A31	CV1	110-280	60	.....	3491A39G12	.....	.....	.....
288B549A32	CV2	55-140	60	.....	3491A39G09	.....	.....	.....
288B584A13	CV4	220-560	60	3491A37G17	.....	.....	.....	.....
288B584A14	CV4	220-560	50	3491A37G17	.....	.....	.....	.....
288B584A15	CV4	55-140	60	.....	3491A39G13	.....	.....	.....
288B584A16	CV5	110-280	60	.....	3491A39G13	.....	.....	.....
288B584A21	CV5	220-560	60	3491A37G17	.....	.....	.....	.....
288B584A22	CV5	220-560	50	3491A37G17	.....	.....	.....	.....
288B584A23	CV5	55-140	60	.....	.....	{3491A37G33① 3491A37G29②	.....	.....
288B584A24	CV5	55-140	60	.....	3491A39G13	.....	.....	.....
288B584A26	CV5	55-140	60	.....	3491A39G09	.....	.....	.....
288B584A27	CV5	55-140	60	.....	3491A30G15	.....	.....	.....
288B584A29	CV4	220-560	60	.....	3491A30G15	.....	.....	.....
288B584A30	CV4	55-140	60	.....	3491A39G09	.....	.....	.....
288B584A31	CV5	55-140	60	3491A34G14	.....	.....	.....	.....
288B618A10	CV8	230	60	3491A37G17	.....	.....	.....	.....
288B618A12	CV8	199	60	3491A37G17	.....	.....	.....	.....
288B618A13	CV8	199	50	3491A37G17	.....	.....	.....	.....
288B618A14	CV8	199	60	3491A37G17	.....	.....	.....	.....
288B618A15	CV8	199	60	.....	3491A39G12	.....	.....	.....

① Lefthand unit.

② Righthand unit.

③ For ICS, ACS, IVS, AVS and IIV unit parts refer to RPD 41-852.



SPST, Continued

Complete Relay Style Number	Type	Rated Volts	Freq. Hz.	Style Number of Part				
				ICS Unit②	ACS Unit②	IVS Unit②	AVS Unit②	IIV Unit②
288B618A18	CV8	199	60	.....	3491A39G17	.....	.....	.....
288B618A19	CV8	199	60	.....	.....	.....	3491A26G09	.....
288B618A20	CV8	199	60	.....	3491A39G17	.....	.....	.....
290B568A09	CV21	55-140	60	3491A37G17	.....	.....	.....	.....
290B568A10	CV21	110-180	60	3491A37G17	.....	.....	.....	.....
290B568A21	CV22	55-140	60	3491A37G17	.....	.....	.....	.....
290B569A09	CV24	55-140	60	3491A37G17	.....	.....	.....	.....
290B569A10	CV24	55-140	60	3491A37G09	.....	.....	.....	3491A34G17
290B569A11	CV21	55-140	60	3491A37G17	.....	.....	.....	.....
290B569A21	CV25	55-140	60	3491A37G17	.....	.....	.....	.....
290B569A22	CV25	110-280	60	3491A37G17	.....	.....	.....	.....
290B569A23	CV25	110-280	60	3491A37G09	.....	.....	.....	3491A34G17
290B569A24	CV25	55-140	60	3491A37G09	.....	.....	.....	3491A34G17
290B569A25	CV25	55-140	50	3491A37G09	.....	.....	.....	3491A34G17
290B569A26	CV25	55-140	60	.....	3491A39G20	.....	.....	3491A34G17
290B569A27	CV25	110-280	50	3491A37G09	.....	.....	.....	3491A34G17
290B569A28	CV25	110-280	60	.....	3491A39G20	.....	.....	3491A34G17
774B582A09	CV2	55-140	60	.....	3491A39G15	.....	.....	.....
774B582A10	CV2	55-140	50	.....	3491A39G15	.....	.....	.....
774B582A23	CV1	55-140	60	.....	3491A39G12	.....	.....	.....
774B582A24	CV1	55-140	60	.....	3491A39G17	.....	.....	.....
774B582A25	CV1	55-140	50	.....	3491A39G17	.....	.....	.....

DPST

Complete Relay Style Number	Type	Rated Volts	Freq. Hz.	Style Number of Part				
				ICS Unit②	ACS Unit②	IVS Unit②	AVS Unit②	IIV Unit②
1875 514	CV1	55-140	60	3491A37G18	.....	.....	.....	.....
1875 515	CV1	110-280	60	3491A37G18	.....	.....	.....	.....
1875 516	CV2	55-140	60	3491A37G18	.....	.....	.....	.....
1875 517	CV2	110-280	60	3491A37G18	.....	.....	.....	.....
1875 518	CV4	55-140	60	3491A37G18	.....	.....	.....	.....
1875 519	CV4	110-280	60	3491A37G18	.....	.....	.....	.....
1875 520	CV5	55-140	60	3491A37G18	.....	.....	.....	.....
1875 521	CV5	110-280	60	3491A37G18	.....	.....	.....	.....
1956 061	CV5	120-200	60	3491A37G10	.....	.....	.....	.....
1956 201	CV8	67	60	3491A37G18	.....	.....	.....	.....
1961 422	CV8	199	60	3491A37G18	.....	.....	.....	.....
1962 680	CV8	199	50	3491A37G18	.....	.....	.....	.....
1962 691	CV8	67	50	3491A37G18	.....	.....	.....	.....
288B975A11	CV4	55-140	50	3491A37G18	.....	.....	.....	.....
288B975A12	CV4	110-280	50	3491A37G18	.....	.....	.....	.....
288B975A13	CV4	220-560	60	3491A37G18	.....	.....	.....	.....
288B975A14	CV4	220-560	50	3491A37G18	.....	.....	.....	.....
288B975A23	CV5	55-140	50	3491A37G18	.....	.....	.....	.....
288B975A24	CV5	110-280	50	3491A37G18	.....	.....	.....	.....
288B975A25	CV5	220-560	60	3491A37G18	.....	.....	.....	.....
288B975A26	CV5	220-560	50	3491A37G18	.....	.....	.....	.....
289B053A11	CV1	55-140	50	3491A37G18	.....	.....	.....	.....
289B053A12	CV1	110-280	50	3491A37G18	.....	.....	.....	.....
289B053A13	CV1	220-560	60	3491A37G18	.....	.....	.....	.....
289B053A14	CV1	220-560	50	3491A37G18	.....	.....	.....	.....
289B053A15	CV1	55-140	60	.....	3491A39G11	.....	.....	.....
289B053A23	CV2	55-140	50	3491A37G18	.....	.....	.....	.....
289B053A24	CV2	110-280	50	3491A37G18	.....	.....	.....	.....
289B053A25	CV2	220-560	60	3491A37G18	.....	.....	.....	.....
289B053A26	CV2	220-560	50	3491A37G18	.....	.....	.....	.....
289B053A27	CV2	55-140	60	.....	3491A39G23	.....	.....	.....
289B053A28	CV2	55-140	60	3491A37G10	.....	.....	.....	.....
290B572A09	CV24	55-140	60	3491A37G18	.....	.....	.....	.....
290B572A10	CV24	55-140	60	3491A37G10	.....	.....	.....	3491A34G18
290B572A21	CV25	55-140	60	3491A37G18	.....	.....	.....	.....
290B572A22	CV25	55-140	60	3491A37G10	.....	.....	.....	3491A34G18

② For ICS, ACS, IVS, AVS and IIV unit parts refer to RPD 41-852.



SPDT

Complete Relay Style Number	Type	Rated Volts	Freq. Hz.	Style Number of Part				
				ICS Unit②	ACS Unit②	IVS Unit②	AVS Unit②	IIV Unit②
1875 522	CV6	55-140	60	3491A37G17	.....	.....	.....	.....
1875 523	CV6	110-280	60	3491A37G17	.....	.....	.....	.....
1875 524	CV7	55-140	60	3491A37G17	.....	.....	.....	.....
1875 525	CV7	110-280	60	3491A37G17	.....	.....	.....	.....
1878 638	CV6	55-140	50	3491A37G17	.....	.....	.....	.....
1878 639	CV6	110-280	50	3491A37G17	.....	.....	.....	.....
1878 640	CV7	55-140	50	3491A37G17	.....	.....	.....	.....
1878 641	CV7	110-280	50	3491A37G17	.....	.....	.....	.....
1878 791	CV7	55-140	60	.....	.....	.....	.....	.....
1955 332	CV7	55-140	60	3491A37G17	.....	.....	.....	.....
1955 990	CV7	120	60	{3491A37G38① 3491A37G17®	.....	.....	.....	.....
1956 192	CV6	120	60	.....	.....	.....	.....	.....
1956 676	CV7	120	60	3491A37G30	.....	3491A37G29	.....	.....
1961 698	CV7	55-140	50	.....	.....	{3491A37G29① 3491A36G18®	.....	.....
1961 864	CV7	120	50	3491A37G17	.....	.....	.....	.....
1962 090	CV6	120	60	3491A37G17	.....	.....	.....	.....
1962 506	CV8	67	60	.....	.....	.....	.....	.....
1962 878	CV7	120	60	3491A37G17	.....	.....	.....	.....
1963 111	CV6	120	60	3491A37G38	.....	.....	.....	.....
1963 376	CV7	120	60	.....	.....	.....	.....	.....
1963 597	CV8	67	60	3491A37G17	.....	.....	.....	.....
1963 825	CV8	199	60	.....	3491A39G17	.....	.....	.....
183A205A18	CV8	67	60	.....	3491A39G13	.....	.....	.....
288B585A13	CV6	220-560	60	3491A37G17	.....	.....	.....	.....
288B585A14	CV6	220-560	50	3491A37G17	.....	.....	.....	.....
288B585A15	CV6	110-280	60	.....	3491A39G09	.....	.....	.....
288B585A22	CV7	220-560	60	3491A37G17	.....	.....	.....	.....
288B585A23	CV7	220-560	50	3491A37G17	.....	.....	.....	.....
288B585A24	CV7	25-140	50	3491A37G17	.....	.....	.....	.....
288B585A26	CV7	110-280	60	.....	3491A39G09	.....	.....	.....
288B585A30	CV7	55-140	60	3491A37G17	.....	.....	.....	.....
288B585A32	CV7	110-280	60	.....	.....	.....	.....	{3491A26G12① 3491A26G13®
288B585A36	CV7	55-140	60	.....	3491A39G15	.....	.....	.....
288B585A37	CV7	55-140	50	.....	3491A39G15	.....	.....	.....
288B585A38	CV7	55-140	60	.....	3491A39G15	.....	.....	.....
288B618A21	CV8	199	60	.....	.....	.....	.....	.....
288B618A22	CV8	199	60	3491A37G17	.....	.....	.....	.....
288B618A23	CV8	199	50	3491A37G17	.....	.....	.....	.....
288B618A25	CV8	199	50	.....	.....	.....	.....	.....
290B570A09	CV26	55-140	60	3491A37G17	.....	.....	.....	.....
290B570A10	CV26	110-280	60	3491A37G17	.....	.....	.....	.....
290B570A21	CV27	55-140	60	3491A37G17	.....	.....	.....	.....
290B570A22	CV27	110-280	60	3491A37G17	.....	.....	.....	.....
290B570A23	CV27	55-140	60	.....	3491A39G17	.....	.....	.....
718B850A12	CV6	55-140	60	.....	3491A39G15	.....	.....	.....
718B850A17	CV7	55-140	60	.....	.....	.....	.....	{3491A26G12① 3491A26G13®
718B850A18	CV7	55-140	60	3491A37G17	.....	.....	.....	.....
718B850A23	CV7	120	60	.....	.....	.....	.....	.....
718B850A24	CV7	120	60	.....	.....	.....	3491A34G33	.....
718B850A25	CV7	120	60	.....	3491A39G16	.....	3491A26G16	.....
718B850A30	CV7	110-280	60	3491A37G17	.....	.....	.....	.....

① Lefthand unit.

② Righthand unit.

② For ICS, ACS, IVS, AVS and IIV unit parts refer to RPD 41-852.

**Electromagnet**

60 Hertz	CV1, 2	CV4, 5	CV6, 7	CV8
67 Volts	.....	.....	.....	183A895G11
120 Volts	183A895G05	183A895G08	183A895G08	.....
199 Volts	.....	.....	.....	183A895G14
230 Volts	.....	.....	.....	183A895G17
240 Volts	183A895G06	183A895G09	183A895G09	.....
280 Volts	.....	.....	.....	629A734G17
480 Volts	183A895G07	183A895G10	183A895G10	.....
50 Hertz				
67 Volts	.....	.....	.....	183A895G16
120 Volts	629A734G05	629A734G09	629A734G09	183A895G17
199 Volts	.....	.....	.....	183A895G17
240 Volts	629A734G06	629A734G10	629A734G10	.....
480 Volts	629A734G07	629A734G11	629A734G11	.....
96 Hertz				
67 Volts	.....	.....	.....	629A734G15
180 Hertz				
67 Volts	.....	.....	.....	629A734G16

Moving Contact, Spring and Adjuster Assembly

Type	SPST	DPST	SPDT
CV1, 2	880A718G11	880A718G14	.....
CV4, 5	880A718G09	880A721G14	.....
CV6, 7	.....	.....	880A721G19
CV8	880A721G11	880A721G16	880A721G33

Resistor Table (CV1, 2, 3, 4, 5, 6, 7, 8)

Description	Style Number
355 Ohm 40W 3.5 inch adjustable	1730 758
500 Ohm 25W 2 inch fixed	1202 522
600 Ohm 25W 2 inch fixed	1267 283
1800 Ohm 25W 2 inch adjustable	05D1328H34
2000 Ohm 25W 2 inch fixed	1276 296
2500 Ohm 25W 2 inch adjustable	05D1328H40
3000 Ohm 25W 2 inch fixed	1202 954
3500 Ohm 25W 2 inch adjustable	05D1328H74

Capacitor Table (CV1, 2, 4, 5, 6, 7, 8)

Description	Style Number
9 mfd 330V	1878 141
4 mfd 330V	1732 407
1 mfd 330V	1876 999
.5 mfd 750V	1481B83H05

Common Parts For CV1, CV2, CV4, CV5, CV6, CV7, CV8

Reference Number	Description of Part	Style Number
1	Electromagnet	See Table*
2	Insulated tap screw	1545 282
3	Disc and Shaft assembly (CV1 & CV2 only)	880A772G21
3	Disc and Shaft assembly (CV4, 5, 6, 7, 8)	880A772G12
4	Lower bearing screw	184A440G01
5	Moving Contact, Spring and Adjuster assembly	See Table*
6	Lower Bearing Screw	1731 959
7	Upper Bearing Screw	1732 773
8	Dial assembly (SPST & DPST)	1878 801
Δ9	Dial assembly (SPDT)	52D6380G04
Δ9	Dial assembly (SPDT)	52D6380G03 ^③
Δ10	Spring and Contact assembly	1875 701
11	Insulation Block for Stationary Contact	33B3110H02
12	Stationary contact (Single Trip)	1732 776*
Δ13	Stationary Contact (Double Trip)	52D6280G02* ^④
14	Contact Plate (Single Trip)	1732 759
15	Contact Plate (Double Trip)	818 794 ^④
16	Adjusting Screw for Contact Plate (Double Trip)	718 931 ^④
17	Permanent Magnet (CV1, 4, 6)	1732 777
17	Permanent Magnet (CV2, 5, 7, 8)	1732 780
18	ICS Unit	See Table* ^{② ⑤}
19	ACS Unit	See Table* ^{② ⑤}
Δ20	IIV Unit	See Table* ^{② ⑤}
Δ21	AVS Unit	See Table* ^{② ⑤}
Δ22	IVS Unit	See Table* ^{② ⑤}
23	Stationary contact for ICS, ACS, IIV, AVS, IVS Unit (SPST) ..	1732 868*
Δ24	Stationary contact for ICS, ACS, IIV, AVS, IVS Unit (DPST) ..	183A860G02*
Δ25	Resistor	See Table* ^⑤
Δ26	Capacitor	See Table* ^⑤

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

② For ICS, ACS, AVS, IIV, IVS parts refer to RPD 41-851A1.

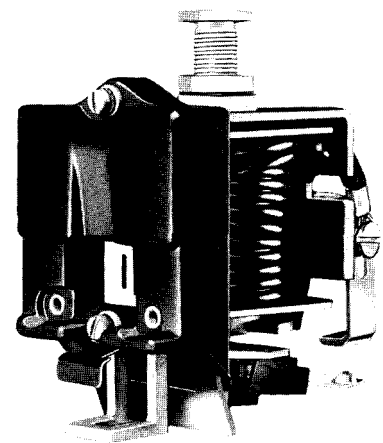
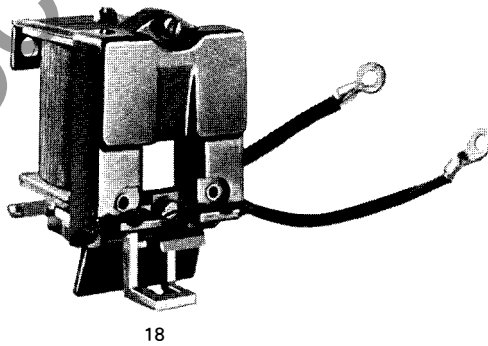
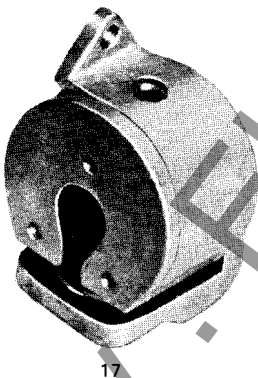
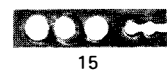
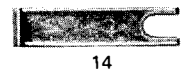
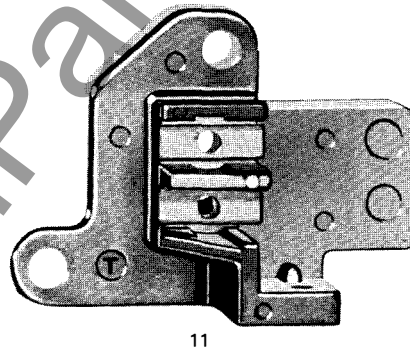
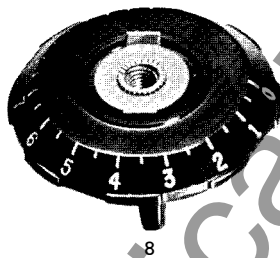
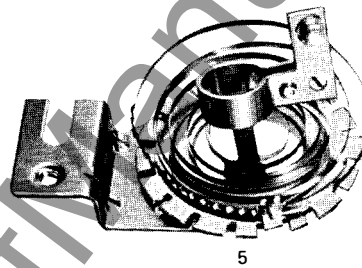
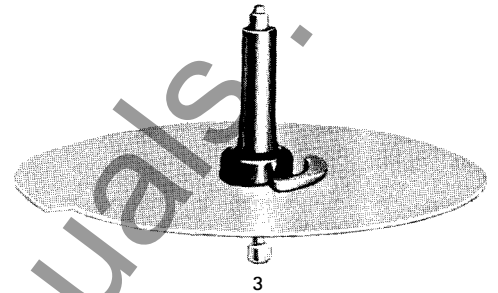
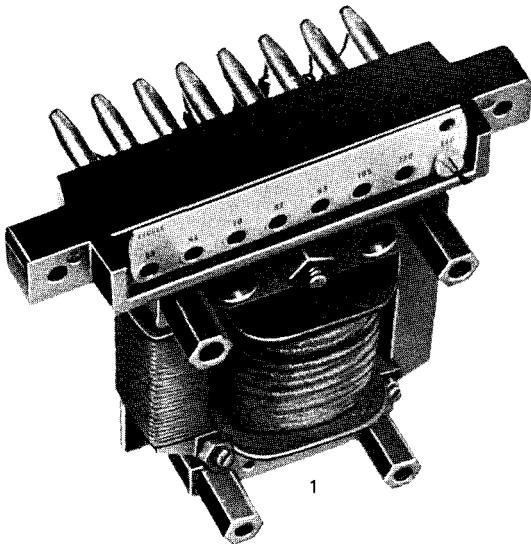
③ Used in CV8 S#1963 597 only.

④ Two (2) used.

⑤ When used.

Δ Not illustrated.

* Recommended for stock.



Moving Contact, Spring and Adjuster Assembly

Type	SPST	DPST	SPDT
CV21, 22	880A718G11	880A718G14	.....
CV24, 25	880A721G09	880A718G14	.....
CV26, 27	.....	.....	880A721G19

Resistor Table Types CV21, 22, 23, 24, 25, 26, 27

Description	Style Number
100 Ohm 25W 2 inch adjustable	1158 249
900 Ohm 25W 2 inch adjustable	187A294H04
1500 Ohm 25W 2 inch adjustable	05D1328H31
1700 Ohm 25W 2 inch adjustable	05D1328H75

Common Parts For CV21, CV22, CV24, CV25, CV26, CV27

Reference Number	Description of Part	Style Number
1	Electromagnet 120V 30-90Hz	188A070G05*
1	Electromagnet 240V 30-90Hz	188A070G06*
2	Insulated tap screw	1545 282
3	Disc and Shaft assembly (CV21 & CV22 only)	880A772G21
3	Disc and Shaft assembly (CV24, 25, 26, 27)	880A772G12
4	Lower bearing screw	184A440G01
5	Moving Contact, Spring and Adjuster assembly	See Table*
6	Lower Bearing Screw	1731 959
7	Upper Bearing Screw	1732 773
8	Dial assembly (SPST & DPST)	1878 801
Δ9	Dial assembly (SPDT)	52D6380G04
Δ10	Spring and Contact assembly	1875 701
11	Insulation Block for Stationary Contact	33B3110H02
12	Stationary contact (Single Trip)	1732 776*
Δ13	Stationary Contact (Double Trip)	52D6280G02*④
14	Contact Plate (Single Trip)	1732 759
15	Contact Plate (Double Trip)	818 794
16	Adjusting Screw for Contact Plate (Double Trip)	718 931
17	Permanent Magnet (CV21, 24, 26)	1732 777
17	Permanent Magnet (CV22, 25, 27)	1732 780
18	ICS Unit	See Table*②⑤
19	ACS Unit	See Table*②⑤
Δ20	IIV Unit	See Table*②⑤
Δ21	AVS Unit	See Table*②⑤
Δ22	IVS Unit	See Table*②⑤
23	Stationary contact for ICS, ACS, IIV, AVS, IVS Unit (SPST) ..	1732 868*
Δ24	Stationary contact for ICS, ACS, IIV, AVS, IVS Unit (DPST) ..	183A860G02*
Δ25	Resistor	See Table*②⑤
Δ26	Bridge Rectifier	288B816G39*⑤
Δ27	Thermistor 100 ohms (9RT1C-12)	184A395H02*⑤

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

② For ICS, ACS, AVS, IIV, IVS parts refer to RPD 41-851A1.

④ Two (2) used.

⑤ When used.

Δ Not illustrated on Page.

* Recommended for stock.