

HERMETIC AND OPEN TURBOPAK CENTRIFUGAL LIQUID CHILLING UNITS

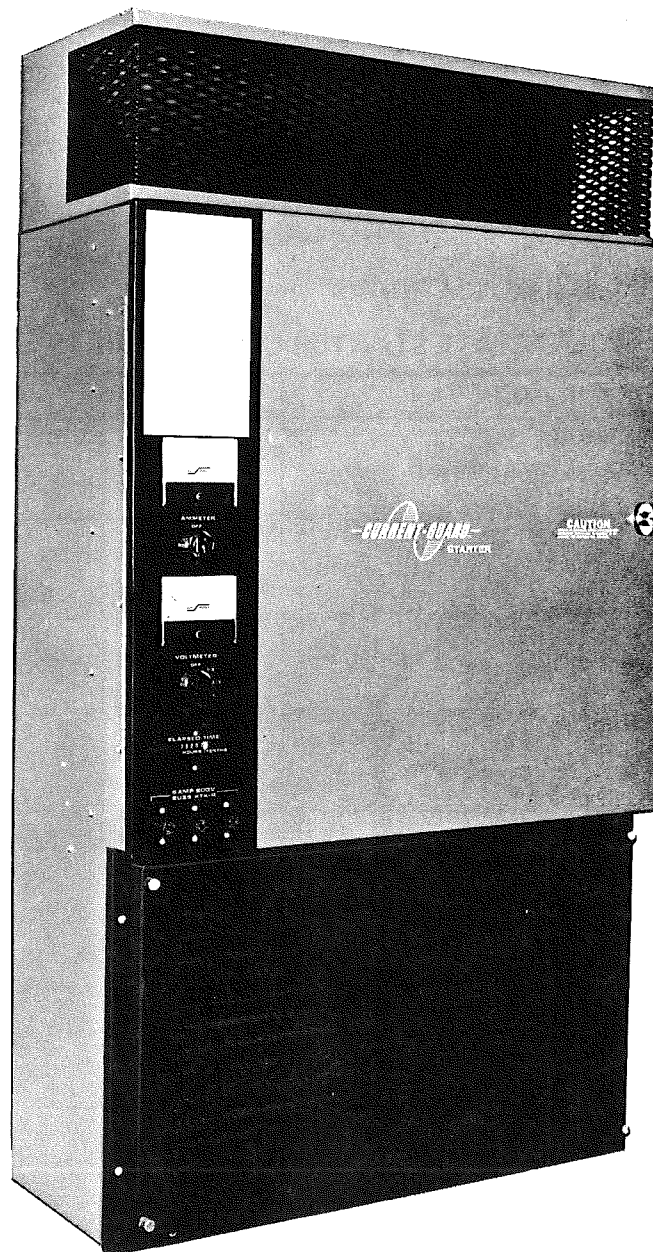
RENEWAL PARTS

Supersedes: Nothing

280

Form 160.44-RP1 (Sect. 4)

SOLID STATE STARTER MODELS SSS-7E-A, SSS-9E-A, & SSS-14E-A



—CURRENT-GUARD[®]—
STARTER

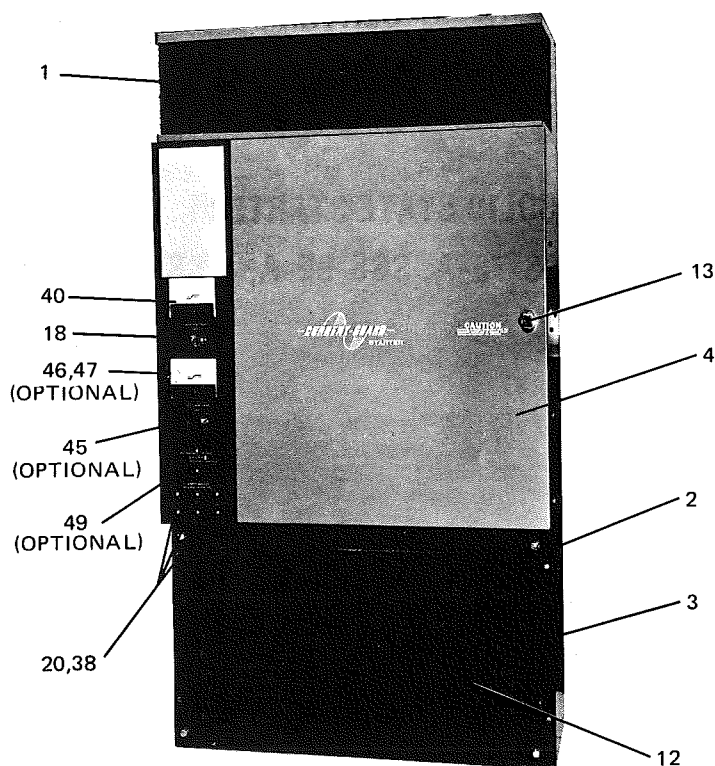


FIG. 1 — YORK—CURRENT—GUARD—SOLID STATE STARTER

SOLID STATE STARTER COMMON PARTS

ITEM	DESCRIPTION	QUAN.	FIG.	PART NO.
1	Cover Top (Fan Guard)	1	1	371-00306
2	Cover Lower (Power Wiring Guard)	1	1	371-00332
3	Cover Filter	1	1	371-00043
4	Door	1	1	371-00007
5	Panel, Fibre Heatsink Compartment	1	4	371-00080
6	Angle, Bus Bar	1	5 & 7	007-00324
7	Bar, Bus - Input	3	5	071-00321
8	Bar, Bus - Output	3	5	071-00322
9	Insulator, Standoff - 2"	3	5	025-20979
10	Insulation	3	6	071-00099
11	Fan	2	3	325-19071-001
12	Filter	1	1	026-22233
13	Fastener, Pawl (Lock and Keys)	1	1	021-13025
14	Screw, Pan (Nylon) 1/4-20 UNC x 3/8 Lg.	2	4	021-14649
15	Terminal Block	12	2	025-18867
16	Terminal Block - End Section	2	2	025-13981
17	Strip Marker	1	3	025-19044
18	Switch	1	1	024-18577
19	Transformer	2	2	325-16601-007
20	Fuse Holder	3	1 & 2	025-20974
21	Relay - 24VDC	3	2	024-18504
22	Relay - 120VAC	1	2	024-18505
23	Control, Gate Driver	1	2	031-00222
24	Block Terminal - 3 Pole	1	3	025-20973
25	Strip Marker	1	3	025-20935
26	Lug Terminal	1	8	025-20625
27	Strip Marker	1	3	025-20980
28	Insulator Standoff - 2-3/4"	3	5 & 7	025-20978
29	Bar Lug	6	7	071-00107

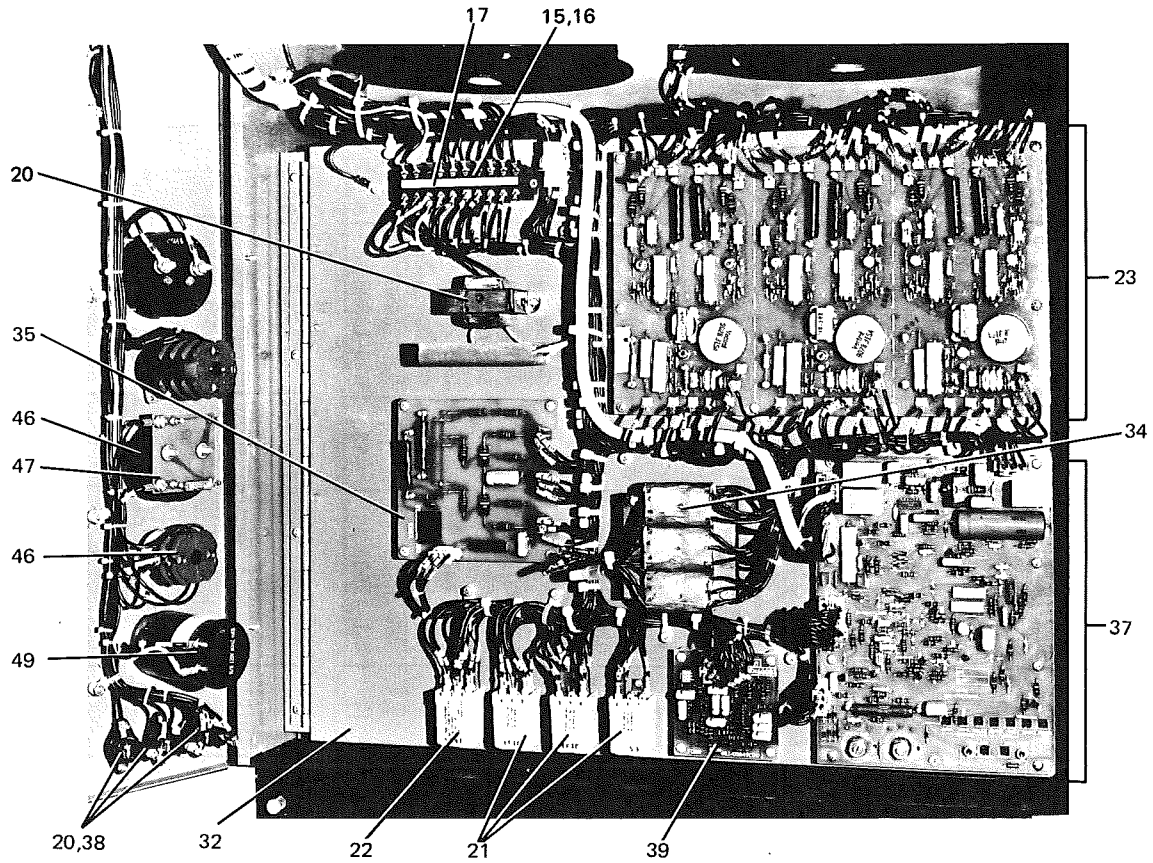


FIG. 2 — SOLID STATE CONTROL PANEL

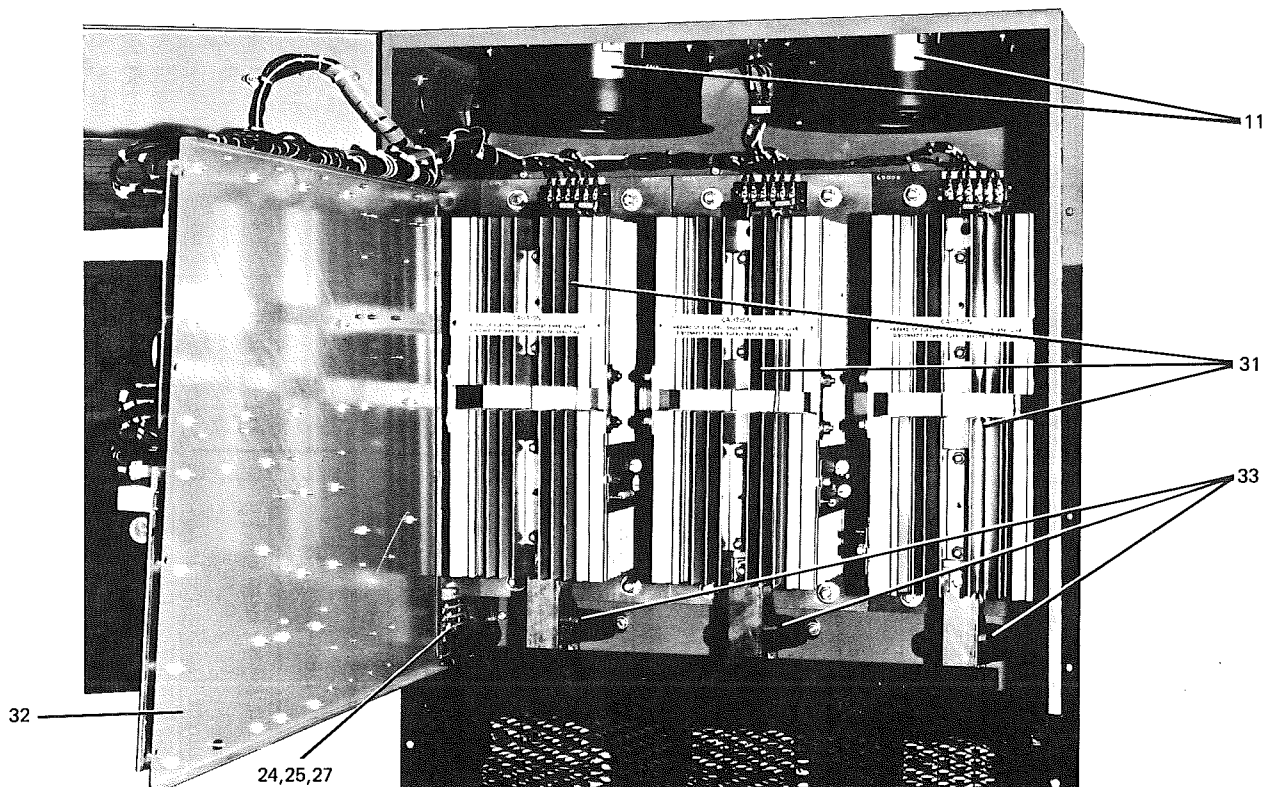


FIG. 3 — HEAT SINK COMPARTMENT

SOLID STATE START VARIABLE PARTS

ITEM	DESCRIPTION	SSS-9E-17A		SSS-9E-28A		SSS-9E-46A		SSS-9E-58A		SSS-9E-50A		SEE FIG.
		PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	
31	Switch, (SCR - Head Sink)	371-00328-001	3	371-00328-005	3	371-00328-006	3	371-00328-007	3	371-00328-006	3	1
32	Door	371-00337	1	371-00337	1	371-00335	1	371-00335	1	371-00336	1	2 & 3
33	Current, Transformer (Feedback)	025-18960	3	025-18960	3	025-18960	3	025-18960	3	025-18960	3	3
34	Gate Driver Transformer-30WYE	325-20947-001	1	315-20948-002	1	325-20948-001	1	325-20950-001	1	325-20949-001	1	2
35	Control, High Voltage	031-00220-001	1	031-220-001	1	031-00220-002	1	031-00220-003	1	031-00220-002	1	2
36	Control, DV/DT	031-00010-001	3	031-00010-001	3	031-00010-002	3	031-00010-003	3	031-00010-002	3	6
37	Control, Logic	031-00221-002	1	031-00221-002	1	031-00221-002	1	031-00221-002	1	031-00221-002	1	2
38	Fuse	025-20977	3	025-20977	3	025-20975	3	025-20975	3	025-20976	3	1 & 2
39	Temperature Control	031-00049-001	1	031-00049-001	1	031-00049-001	1	031-00049-001	1	031-00049-001	1	2
40	Ammeter	025-20957	1	025-20957	1	025-20957	1	025-20957	1	025-20957	1	1
41	Lug, Terminal	025-19698	18	025-19698	18	025-19698	18	025-19698	18	025-19698	18	5

ITEM	DESCRIPTION	SSS-7E-17A		SSS-7E-28A		SSS-7E-40A		SSS-7E-58A		SSS-7E-50A		SEE FIG.
		PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	
31	Switch, (SCR - Head Sink)	371-00328-002	3	371-00328-002	3	371-00328-003	3	371-00328-004	3	371-00328-003	3	1
32	Door	371-00337	1	371-00337	1	371-00335	1	371-00335	1	371-00336	1	2 & 3
33	Current, Transformer (Feedback)	025-19307	3	025-19307	3	025-19307	3	025-19307	3	025-19307	3	3
34	Gate Driver Transformer-30WYE	325-20947-001	1	315-20948-002	1	325-20948-001	1	325-20950-001	1	325-20949-001	1	2
35	Control, High Voltage	031-00220-001	1	031-00220-001	1	031-00220-002	1	031-00220-003	1	031-00220-002	1	2
36	Control, DV/DT	031-00010-001	3	031-00010-001	3	031-00010-002	3	031-00010-003	3	031-00010-002	3	6
37	Control, Logic	031-00221-001	1	031-00221-001	1	031-00221-001	1	031-00221-001	1	031-00221-001	1	2
38	Fuse	025-20977	3	025-20977	3	025-20975	3	025-20975	3	025-20976	3	1 & 2
39	Temperature Control	031-00049-001	1	031-00049-001	1	031-00049-001	1	031-00049-001	1	031-00049-001	1	2
40	Ammeter	025-20956	1	025-20956	1	025-20956	1	025-20956	1	025-20956	1	1
41	Lug, Terminal	025-19698	12	025-19698	12	025-19698	12	025-19698	12	025-19698	12	5

ITEM	DESCRIPTION	SSS-14E-17A		SSS-14E-28A		SSS-14E-46A		SSS-14E-58A		SSS-14E-50A		SEE FIG.
		PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	PART NO.	QUAN.	
31	Switch, (SCR - Head Sink)	371-00328-008	3	371-00328-008	3	371-00328-009	3	371-00328-010	3	371-00328-009	3	1
32	Door	371-00337	1	371-00337	1	371-00335	1	371-00335	1	371-00336	1	2 & 3
33	Current, Transformer (Feedback)	025-18960	3	025-18960	3	025-18960	3	025-18960	3	025-18960	3	3
34	Gate Driver Transformer-30WYE	325-20947-001	1	315-20948-002	1	325-20948-001	1	325-20950-001	1	325-20949-001	1	2
35	Control, High Voltage	031-00220-001	1	031-00220-001	1	031-00220-002	1	031-00220-003	1	031-00220-002	1	2
36	Control, DV/DT	031-00010-001	3	031-00010-001	3	031-00010-002	3	031-00010-003	3	031-00010-002	3	6
37	Control, Logic	031-00221-003	1	031-00221-003	1	031-00221-003	1	031-00221-003	1	031-00221-003	1	2
38	Fuse	025-20977	3	025-20977	3	025-20975	3	025-20975	3	025-20976	3	1 & 2
39	Temperature Control	031-00049-002	1	031-00049-002	1	031-00049-002	1	031-00049-002	1	031-00049-002	1	2
40	Ammeter	025-20957	1	025-20957	1	025-20957	1	025-20957	1	025-20957	1	1
41	Lug, Terminal	025-19698	18	025-19698	18	025-19698	18	025-19698	18	025-19698	18	5

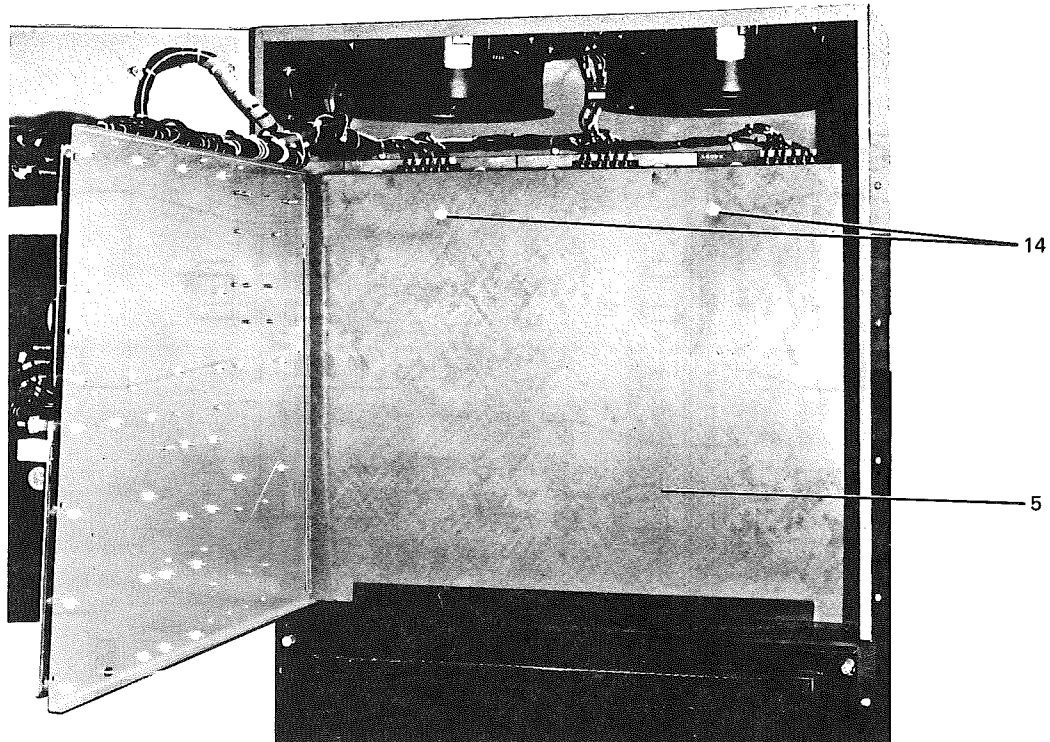


FIG. 4 —CONTROL PANEL OPEN—SHOWING FIBER PANEL IN PLACE

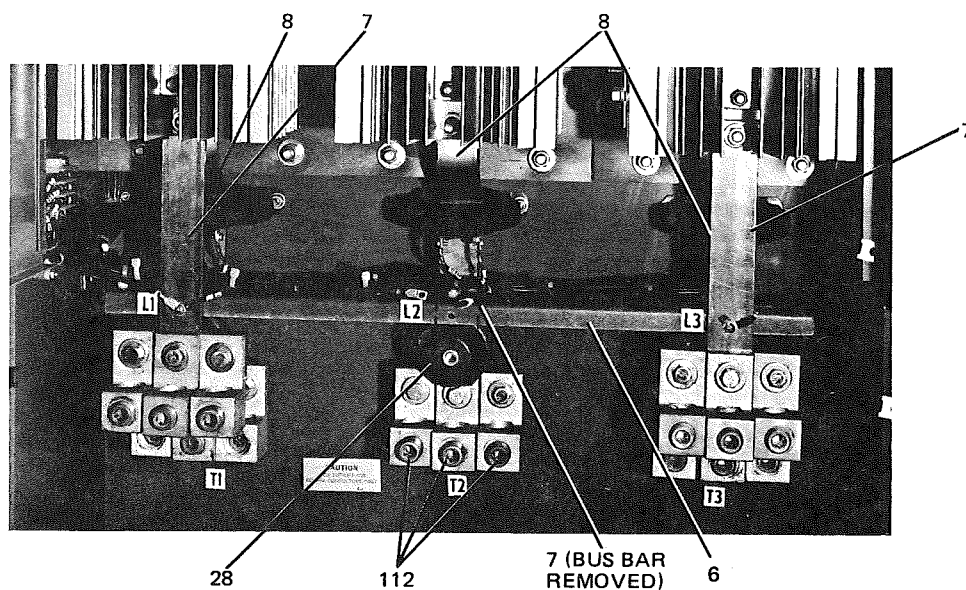


FIG. 5 —BUS BARS

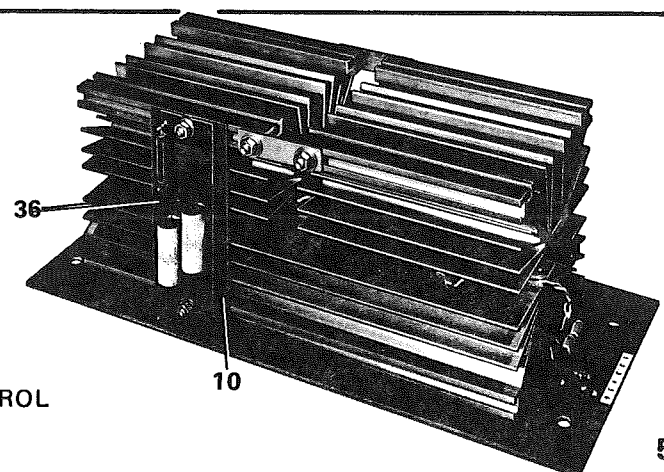
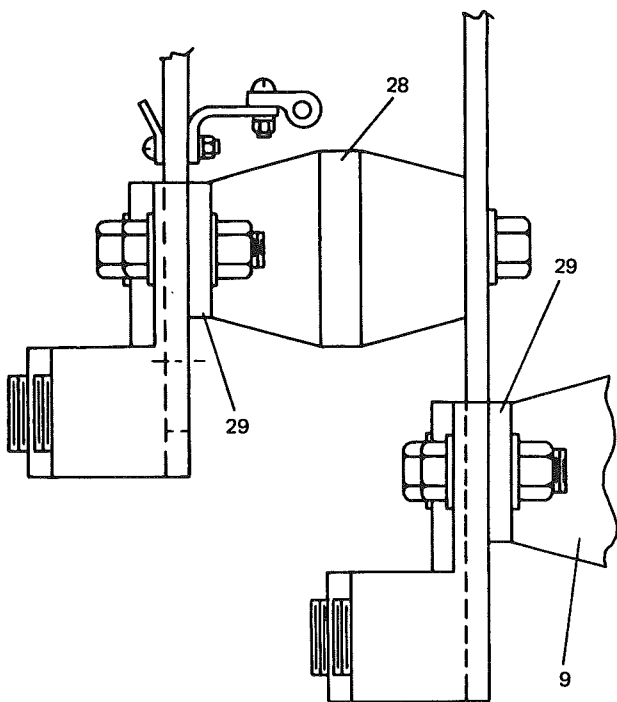
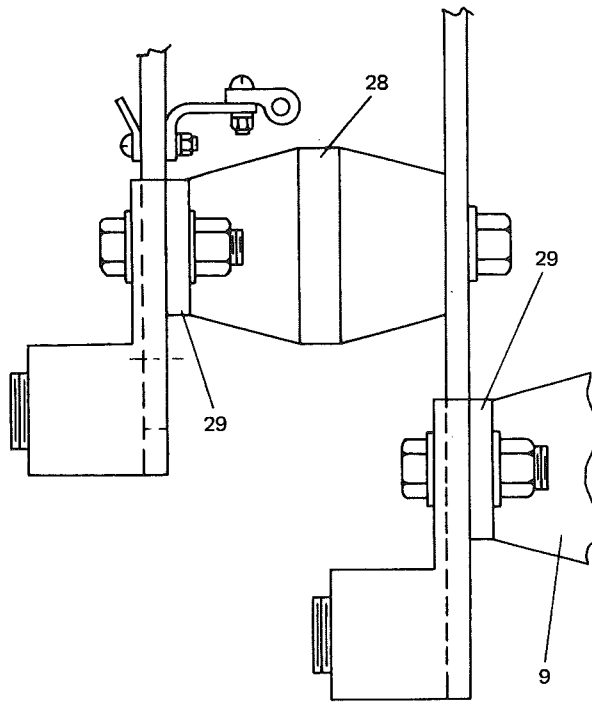


FIG. 6 —HEAT SINK AND DV/DT CONTROL



FOR MODELS SSS-9 & SSS-14



FOR MODELS SSS-7

FIG. 7 — POWER TERMINAL LUGS

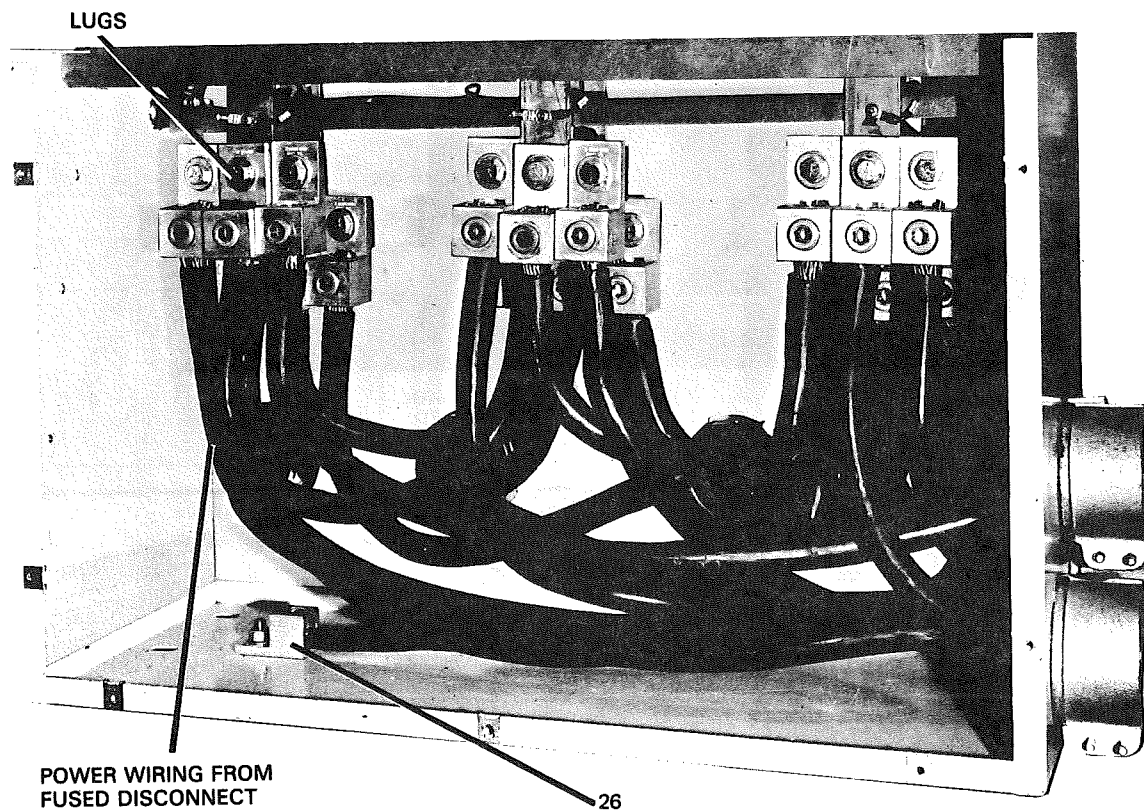


FIG. 8 — POWER SECTION COMPARTMENT

3 PHASE VOLTMETER & SWITCH (OPTIONAL EQUIPMENT)

ITEM	DESCRIPTION	FIG.	QUAN.	PART NUMBERS		
				SSS7, 9 & 14 - 17A SSS7, 9 & 14 - 28A	SSS7, 9 & 14 - 46A SSS7, 9 & 14 - 50A	SSS7, 9 & 14 - 58A
				371-00326-002	371-00326-003	371-00326-004
45	Switch	1 & 2	1	024-18576	024-18576	024-18576
46	Meter, Volt	1 & 2	1	025-20953	025-26954	025-20955
47	Control Meter	1 & 2	1		031-00021-001	031-00021-002

INDICATOR ELAPSED TIME INDICATOR (OPTIONAL EQUIPMENT)

ITEM	DESCRIPTION	FIG.	QUAN.	60 Hz 371-00316-002	50 Hz 371-00316-003
49	Indicator - Elapsed Time	1 & 2	1	325-20933-001	025-20933-002

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