

SIEMENS-ALLIS

Switchgear

RENEWAL PARTS ORDERING GUIDE

**TYPES FB-500A1 AND FC500B
15-kV 1200 AND 2000 AMPERE
AIR MAGNETIC CIRCUIT BREAKERS
WITH 515-2 STORED
ENERGY OPERATORS**

HOW TO USE YOUR RENEWAL PARTS ORDERING GUIDE

1. Locate the part or parts to be replaced in one of the drawings in this manual. Refer to the usage code table on page ii for drawings applicable to your breaker.
2. Identify each part by item number, description and part number. Give drawing figure number in which part is shown.
3. Include breaker type, rating and breaker serial number with your order.
4. Place order with your Siemens—Allis representative.

ORDERING EXAMPLE

Type	<u>FB-500A1</u>	Rated Amps	<u>1200</u>	Serial Number	<u>S77679A-3</u>
Type of Operator:	Stored Energy 515-2				
Renewal Parts Ordering Guide	<u>18X10066</u>				
<u>Fig</u>	<u>Item</u>	<u>Description</u>	<u>Part Number</u>	<u>Quantity</u>	
4	1	Barrier Stack	71-303-149-501	1	
2	10	Contact Assembly	18-657-372-501	1	

If required part is not identified in this manual — — —

1. Make a copy of the drawing figure in which the part would appear.
2. Indicate with arrows or other markings location of part.
3. Describe or sketch required part.
4. Include breaker type, rating and breaker serial number with your order.
5. Place order with your Siemens—Allis representative.

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USAGE CODE TABLE

FC-500B	1200 AMP	Stored Energy	18-471-611-601	A
FC-500B	1200 AMP (60KA)	Stored Energy	18-471-611-602	B
FC-500B	1200/2000 AMP	Stored Energy	18-471-611-603	C
FC-500B	2000 AMP (60KA)	Stored Energy	18-471-611-604	D
FB-500A1	1200 AMP	Stored Energy	18-468-620-608	E
FB-500A1	1200/2000 AMP	Stored Energy	18-468-620-609	F
FB-500A1	2000 AMP	Stored Energy	18-468-620-610	G

*If no usage code appears in the "USAGE" column of the following parts lists, the part is used on all assemblies listed in the figure title.

ITEM DESCRIPTION FOR FIGURE 1

ITEM	DESCRIPTION	PART NUMBER	USAGE	ITEM	DESCRIPTION	PART NUMBER	USAGE
1	Contact Finger Ass'y.	18-657-456-579	ABCEF	35	Angle	18-657-765-163	
		18-657-456-570	CF	36	Barrier	71-113-804-001	
		18-723-565-502	DG	37	Barrier	71-113-805-001	
2	Barrier	18-723-599-003	ABCD	38	Guard	71-118-452-001	
		18-723-599-005	EFG	39	Lock Nut	15-171-063-004	
6	Arc Chute Assembly	18-471-243-515	ABCD	40	Washer	71-164-152-008	
		71-401-440-503	EFG	41	Header & Tubes	71-208-524-001	
7	Washer	71-019-219-015	ABCD	42	Stud and Support	71-401-626-501	A
		71-019-219-020	EFG		(See Figure 2)	71-401-626-503	B
8	Washer	71-107-100-002				71-401-626-508	C
9	Label	15-171-383-002				71-401-626-502	D
10	Indicator	71-111-259-001				71-401-626-506	E
11	Panel	71-206-907-503	ABCD			71-401-626-510	F
12	Spring	71-113-600-001				71-401-626-507	G
13	Strap	71-114-302-001					
14	Indicator	71-167-932-001					
15	Connector	71-208-263-002		45	Screw	00-611-315-375	
16	Breaker Nameplate	18-723-585-000		46	Lock Nut	15-171-063-004	
17	Block	71-117-870-001	EFG	47	RD Washer	00-651-007-160	
18	Cover	18-657-769-363		48	Screw	00-611-315-468	EFG
19	Strap	71-115-588-001	EFG	49	Lockwasher	00-655-017-032	EFG
20	Support	71-115-645-001	EFG	50	RD Washer	00-651-007-230	EFG
21	Rating Plate	18-731-409-002	BD	51	Screw	00-611-447-463	
21A	Rating Label	18-731-409-002	EFG	52	Screw	00-615-644-373	
22	Support	71-302-650-001	ABCD	53	Cotter Pin	00-671-195-193	
		71-302-903-001	EFG	54	Pin	15-171-497-002	
23	Block Assembly	18-657-410-597		55	Clamp	15-171-070-002	
24	Block Assembly	18-657-410-598		56	Tyrap	15-171-053-002	
25	Label	71-113-871-001		57	Arrow Label	15-171-120-004	
26	Screw	00-615-114-375		58	Aux. Switch	71-208-922-504	
27	Panel Assembly	71-206-907-507	EFG	59	Sec Disc Assembly	72-120-237-501	
28	Basic Breaker Ass'y.	18-468-621-504	A	62	Cover	18-657-469-286	
	(Includes items 30	18-468-621-505	B	63	Label	71-114-294-001	
	thru 42 below)	18-468-621-506	C	64	Washer	00-651-007-214	DG
		18-468-621-507	D	65	Washer	00-651-017-214	DG
		18-468-621-508	E	66	Screw	00-611-315-419	
		18-468-621-509	F	67	RD Washer	00-651-007-900	
		18-468-621-510	G	68	Lockwasher	00-655-017-030	
29	Frame & Operator	18-468-619-501		69	Bearing Support	18-657-769-377	
30	Pipe Strap	00-691-051-008		70	Lockwasher	00-655-017-026	
31	Shim	71-110-641-003		71	Screw	15-171-738-002	
32	Shim	71-110-641-004		72	Twin Roller	18-723-584-502	CF
33	Link	71-113-440-001		73	Screw	00-615-644-220	EFG
34	Shim	71-113-679-001		74	Washer	00-651-007-123	

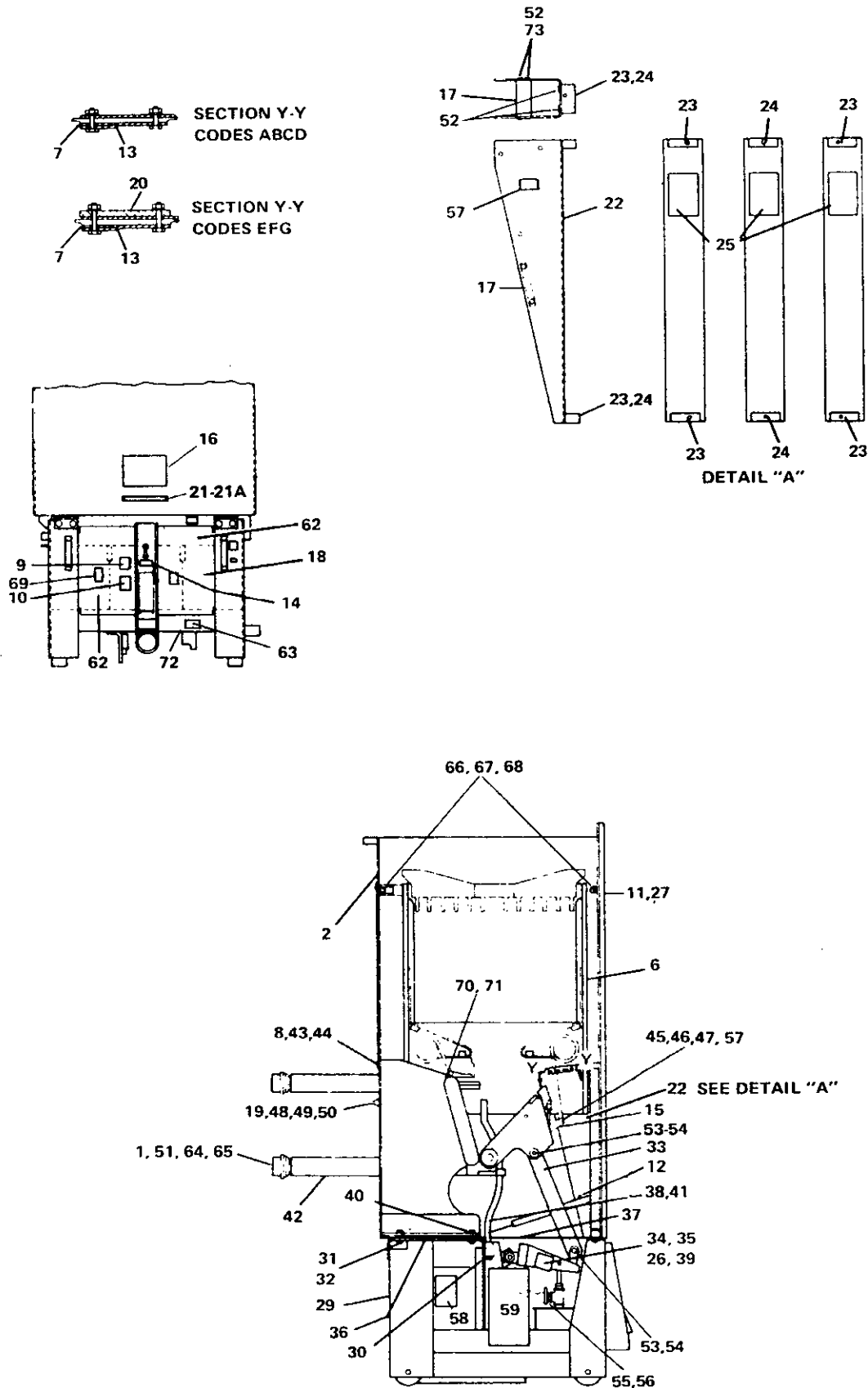
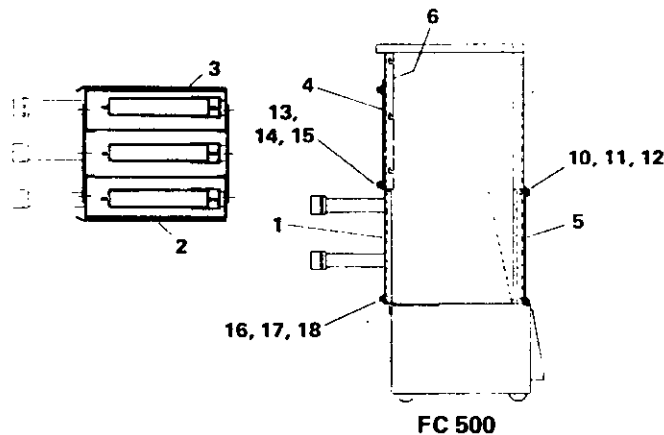


Figure 1. Stored Energy Operated Breaker Assembly (Codes A through G;
See Code Table, page 1) (18-468-620-401)

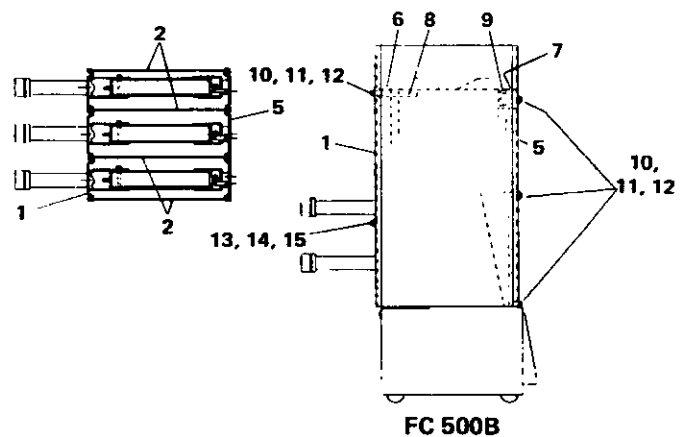
ITEM	DESCRIPTION	PART NUMBER
1	Barrier	71-208-670-004
2	Phase Barrier Left Hand	71-208-415-502
3	Phase Barrier Right Hand	71-208-415-503
4	Barrier	71-116-679-001
5	Panel	71-113-398-001
6	Channel	72-120-378-001
7		
8		
9		
10	HH Cap Screw .312 x .75	00-611-315-419
11	Washer	00-651-007-900
12	Lockwasher	00-655-017-030
13	Rd. Hd. Mach. Screw .25 x .75	00-617-475-375
14	Washer	71-107-100-002
15	Well Nut	15-171-033-002
16	Angle Bracket	00-639-060-032
17	HH Self Tap Screw #10	00-611-461-218
18	Washer	00-651-027-008

OLD DESIGN
PRIOR TO MARCH, 1975



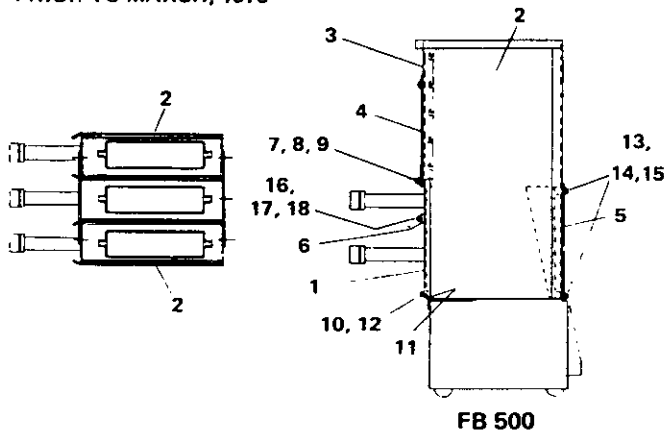
ITEM	DESCRIPTION	PART NUMBER
1	Rear Barrier	18-723-599-003
2	Phase Barrier	71-116-969-003
5	Front Barrier	18-723-599-002
6	Support	71-210-601-003
7	Block	18-697-825-058
8	HH Cap Screw .25 x 4.0	00-657-315-398
9	Self Tap Screw	00-615-644-218
10	HH Cap Screw .312 x .75	00-611-315-419
11	Washer	00-651-007-900
12	Lockwasher	00-655-017-030
13	HH Cap Screw .375 x .75	00-611-315-463
14	Washer	00-651-007-230
15	Lockwasher	00-655-017-032

NEW DESIGN
EFFECTIVE MARCH, 1975



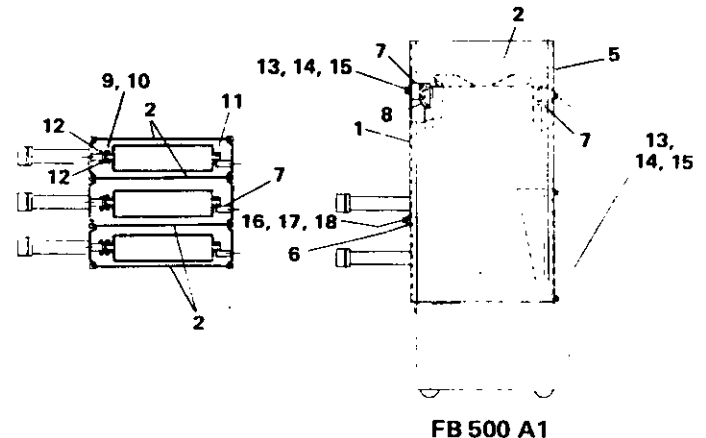
ITEM	DESCRIPTION	PART NUMBER
1	Barrier	71-208-670-004
2	Phase Barrier	71-208-415-501
3	Channel Assembly	71-116-681-501
4	Barrier	71-116-679-001
5	Panel	71-113-398-001
6	Strap	71-115-588-001
7	Well Nut .25	15-171-033-002
8	Washer .25	71-107-100-002
9	Rd. Hd. Mach. Screw .25 x .75	00-617-475-375
10	Washer #10	00-651-027-088
11	Angle Bracket	00-639-060-032
12	HH Self Tap Screw #10	00-611-461-218
13	HH Cap Screw .31 x .75	00-611-315-419
14	Washer .31	00-651-007-900
15	Lockwasher .31	00-655-017-030
16	HH Cap Screw .375 x 1.25	00-611-315-468
17	Washer .375	00-651-007-230
18	Lockwasher .375	00-655-017-032

OLD DESIGN
PRIOR TO MARCH, 1975



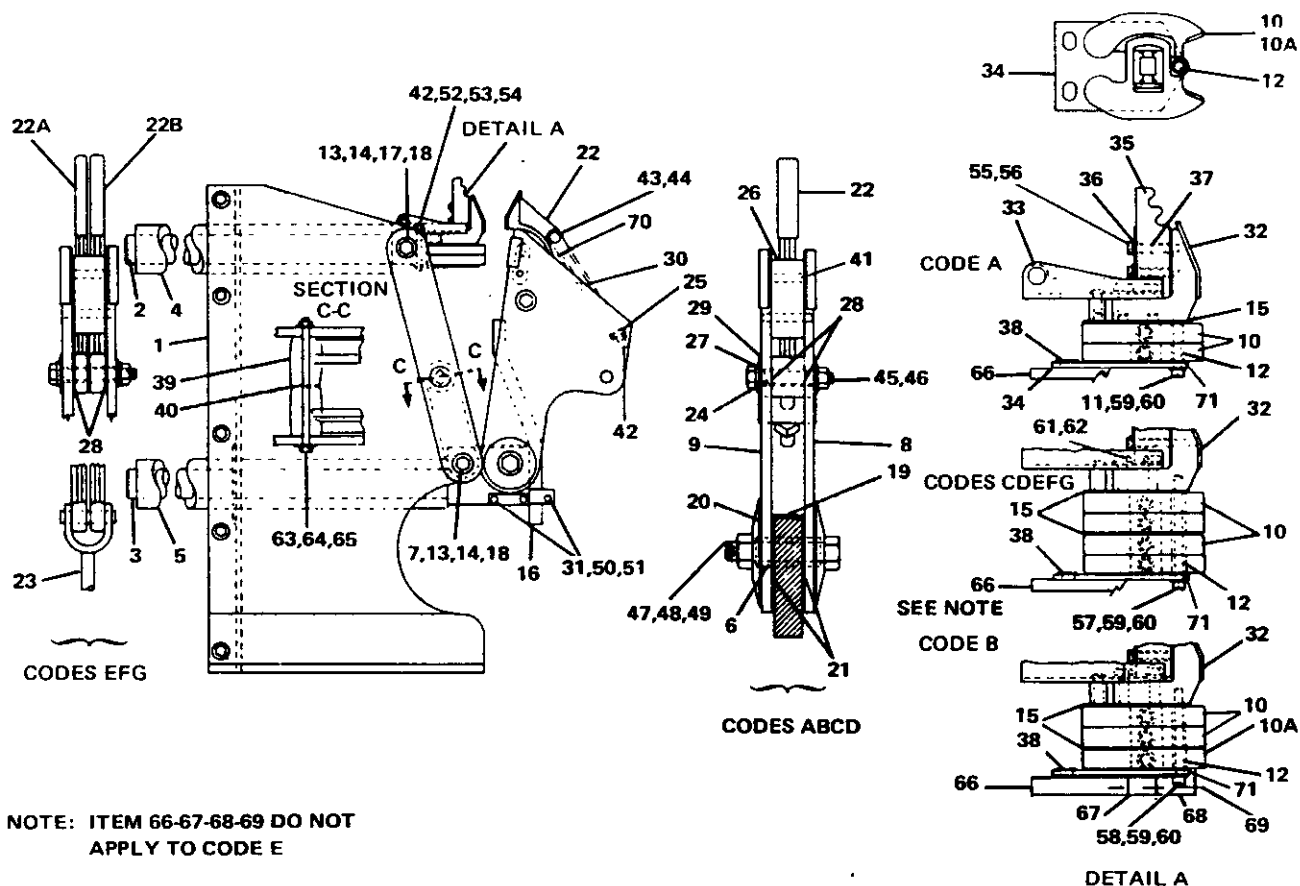
ITEM	DESCRIPTION	PART NUMBER
1	Rear Barrier	18-723-599-005
2	Phase Barrier	71-116-969-003
4		
5	Front Barrier	18-723-599-004
6	Strap	71-115-588-001
7	Block	18-657-825-058
8	Support	18-657-825-061
9	Screw #10-32 x 1.75	15-615-513-001
10	Stop Nut #10-32	00-633-039-210
11	Screw #10-16 x 1.62	00-615-644-230
12	Screw #10-16 x .5	00-615-644-218
13	HH Cap Screw .31 x .75	00-611-315-419
14	Washer .31	00-651-007-900
15	Lockwasher .31	00-655-017-030
16	HH Cap Screw .375 x 1.25	00-611-315-468
17	Washer .375	00-651-007-230
18	Lockwasher .375	00-655-017-032

NEW DESIGN
EFFECTIVE MARCH, 1975



ITEM DESCRIPTION FOR FIGURE 2

ITEM	DESCRIPTION	PART NUMBER	USAGE	ITEM	DESCRIPTION	PART NUMBER	USAGE
1	Support Assembly	72-320-044-001	AB	26	Spacer	71-112-948-001	
		72-320-044-002	CD	27	Washer	71-140-901-001	
		18-721-438-501	E	28	Washer	71-177-196-005	ABCD
		18-721-438-502	FG			71-114-701-001	EFG
2	Top Stud Assembly	71-208-214-503	B	29	Washer	71-158-647-015	
		71-208-214-502	DG	30	Spring	72-120-400-001	
		71-208-214-508	CF	31	Link	71-118-284-001	
		71-208-214-501	A	32	Arcing Contact	71-112-966-501	ABCD
		71-208-214-507	E			71-112-966-502	EFG
3	Low Stud Assembly	71-208-196-501	AB	33	Channel	18-657-377-501	
		71-208-196-503	E	34	Plate	71-112-911-001	
		71-208-196-504	DG	35	Barrier	71-112-971-001	
		71-208-196-506	CF	36	Strip	71-114-147-001	
4	Tube	71-113-488-001	ABE	37	Insulation	71-114-148-001	
		71-113-896-001	CDFG	38	Washer	00-651-017-179	
5	Tube	71-113-488-002	ABE	39	Spacer	71-115-589-001	EFG
		71-113-896-002	CDFG	40	Washer	71-115-941-001	EFG
6	Tube	71-170-947-007	AB	41	Roll Pin	00-671-176-350	
		71-170-947-008	CDFG	42	Nut	15-171-063-006	
7	Spacer	71-107-716-008	AB	43	Cotter Pin	00-671-195-119	
		71-107-716-007	CD	44	Pin	00-957-211-902	ABCD
8	Disc Arm Assembly	71-208-255-504	CDEFG	45	Screw	15-611-318-428	
		71-208-255-514	AB	46	Nut	15-171-063-005	
9	Disc Arm Assembly	71-208-255-503	CDEFG	47	Screw	15-611-318-556	ABE
		71-208-255-513	AB	48	Screw	00-611-318-558	CDFG
10	Contact Finger Ass'y.	18-657-372-501		49	Nut	15-171-063-008	
10A	Contact Finger Ass'y.	18-657-372-505	B	50	Screw	00-615-245-227	
11	Screw	00-615-261-231	A	51	Nut	00-633-039-210	
12	Tubing	72-120-735-002	B	52	Screw	00-615-114-438	A
		72-120-735-001	A	53	Screw	15-171-433-001	CDFG
		72-120-735-003	CDEFG	54	Screw	00-615-114-440	BE
13	Screw	00-611-315-461		55	Screw	00-611-375-227	
14	Washer	71-916-992-002		56	Washer	00-651-017-087	
15	Plate	71-112-910-001		57	Screw	00-615-249-239	CDEFG
16	Nozzle	71-210-349-001		58	Screw	00-615-249-235	B
17	Spacer	71-107-716-007		59	RD Washer	00-651-017-087	
18	Rod	71-110-282-002		60	Lockwasher	00-655-017-022	
19	Strip	71-113-681-001		61	Screw	00-611-315-373	
20	Spring Washer	71-167-537-001		62	Lockwasher	00-655-017-026	
21	Washer	71-177-196-003		63	Bolt	15-171-769-001	EFG
22	Arcing Contact Ass'y.	71-112-913-501	ABCD	64	Washer	00-651-007-230	EFG
22A	Arcing Contact Ass'y.	71-112-913-502	EFG	65	Nut	15-171-063-011	EFG
22B	Arcing Contact Ass'y.	71-112-913-503	EFG	66	Bumper Block	18-657-780-198	ABCD
23	Yoke	71-112-934-001	ABCD	67	Cushion	18-657-780-197	ABCD
		18-657-777-565	EFG	68	Bumper	18-657-780-196	ABCD
24	Tubing	71-172-682-010		69	Screw	00-615-345-229	ABCD
25	Bar	71-113-038-001		70	Rd Washer	00-651-007-900	
				71	Washer	00-651-017-913	



(71-401-626)
Figure 2. Stud and Support Assembly (All Codes)

USAGE CODE			
A	Stud & Support	71-401-626-501	.200
B	Stud & Support	71-401-626-503	1200 58K
C	Stud & Support	71-401-626-508	1200/2000
D	Stud & Support	71-401-626-502	2000 58K
E	Stud & Support	71-401-626-506	1200
F	Stud & Support	71-401-626-510	1200/2000
G	Stud & Support	71-401-626-507	2000

} FC

} FB

ITEM DESCRIPTION FOR FIGURE 3

ITEM	DESCRIPTION	PART NUMBER	USAGE	ITEM	DESCRIPTION	PART NUMBER	USAGE
01	Arc Chute Assem.	18-471-243-515		23	Pan Hd. Scr.	00-615-662-900	
1	Channel, L.H.	18-728-500-572		24	Stop Nut	00-633-039-210	
2	Channel, R.H.	18-728-500-573		25	Block	18-657-825-058	
3	Barrier Stack	71-302-838-501		26	Self Tap Scr.	00-615-644-220	
4	Bar	71-112-987-001		27	Support	71-210-601-003	
5	Screw	00-611-315-419		28	Barrier	71-208-427-501	
6	Washer	00-651-007-900		29	Roll Pin	00-671-171-900	
7	Lkwasher	00-655-067-180		30	HH Screw	00-611-315-396	
8	Block	71-112-993-001		31	HH Screw	00-611-315-397	
9	Block	71-112-989-001		32	Washer	00-651-007-146	
10	Self Tp. Scr.	00-615-644-218		33	Lk. Nut Stover	15-171-063-004	
11	Arc Runner	18-396-437-501		34	Spacer BKK	18-730-885-001	
12	Self Tap Scr.	15-171-074-008		35	Support	18-730-886-001	
13	Self Tap Scr. Flat Hd.	00-615-413-218		36	Connecting Rod	18-730-887-003	
14	Fibre Strap	71-915-843-014		37	Flat Hd. Scr.	00-615-331-426	
15	Coil Rear	71-208-183-001		38	Flat Hd. Scr.	00-615-331-422	
16	Coil Front	71-302-562-001		39	Lk. Nut Stover	15-171-063-006	
17	Coil Sleevng	18-726-294-001		40	Channel, L.H.	71-302-529-002	
18	Core Assy.	18-730-618-502		40A	Channel, R.H.	71-302-529-001	
19	Pole Piece	18-730-883-001		41	Plate	71-112-996-001	
20	HH Screw	00-611-315-494		42	Plate	71-112-994-001	
21	Washer	00-651-007-230		43	Plate	71-112-996-003	
22	Lk. Nut Stover	15-171-063-011		44	Arrow Label	15-171-120-004	
				45	Adhesive	15-333-031-002	

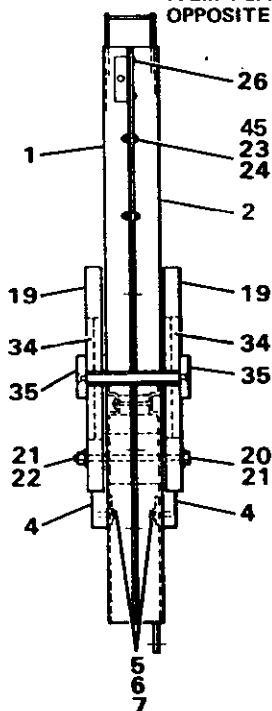
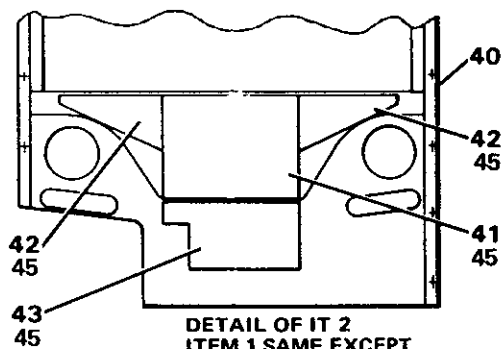
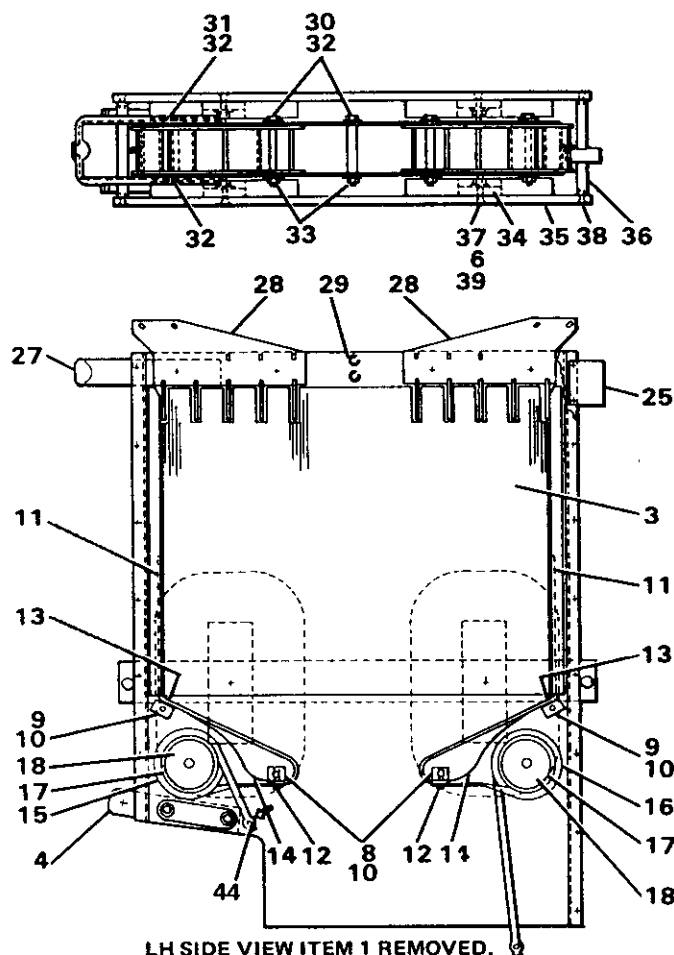


Figure 3 FC-500 B Arc Chute (Codes A through D, See Code Table page 1).

ITEM DESCRIPTION FOR FIGURE 4

ITEM	DESCRIPTION	PART NUMBER	USAGE	ITEM	DESCRIPTION	PART NUMBER	USAGE
1	Barrier Stack	71-303-149-501		24	Coil Sleeve	18-726-294-002	
2	Core	71-200-806-504		25	Plate	71-208-887-001	
3	Barrier Assembly	71-209-698-501		26	Plate	71-208-888-001	
4	Coil (Rear)	71-208-896-501		27	Washer	71-105-182-007	
5	Coil (Front)	71-208-896-502		28	Bar	71-116-815-001	
6	Pole Piece	71-116-426-501		29	Support	71-114-756-002	
7	Core	71-115-647-501		30	Bushing	15-171-038-004	
8	Tube	71-111-912-001		31	Screw	00-615-071-424	
9	Plate	71-112-771-002		32	Screw	00-615-662-377	
10	Block	71-112-993-002		33	Nut	00-639-030-016	
11	Band	71-915-843-005		34	Screw	00-611-315-378	
12	Block	71-115-643-001		35	Screw	00-611-315-400	
13	Channel	71-115-644-002		36	Screw	00-611-315-496	
14	Plate	71-115-646-001		37	Screw	00-615-644-218	
15	Arc Runner	71-115-648-001		38	Screw	00-615-413-220	
16	Spacer	71-209-188-003		39	Screw	00-615-644-220	
17	Spacer	71-209-188-002		40	Screw	00-615-662-229	
18	Channel	71-302-529-005		41	Nut	15-171-063-004	
19	Channel	71-302-529-006		42	Nut	15-171-063-011	
20	Arc Runner	71-302-914-001		43	Nut	00-633-039-210	
21	Support	71-303-029-001		44	Washer	00-651-007-230	
22	Wedge	71-116-550-001		45	Washer	00-655-017-026	
23	Arc Chute Assembly (as Shown)	71-401-440-503		46	Washer	71-112-773-001	
				47	Adhesive	15-333-031-002	

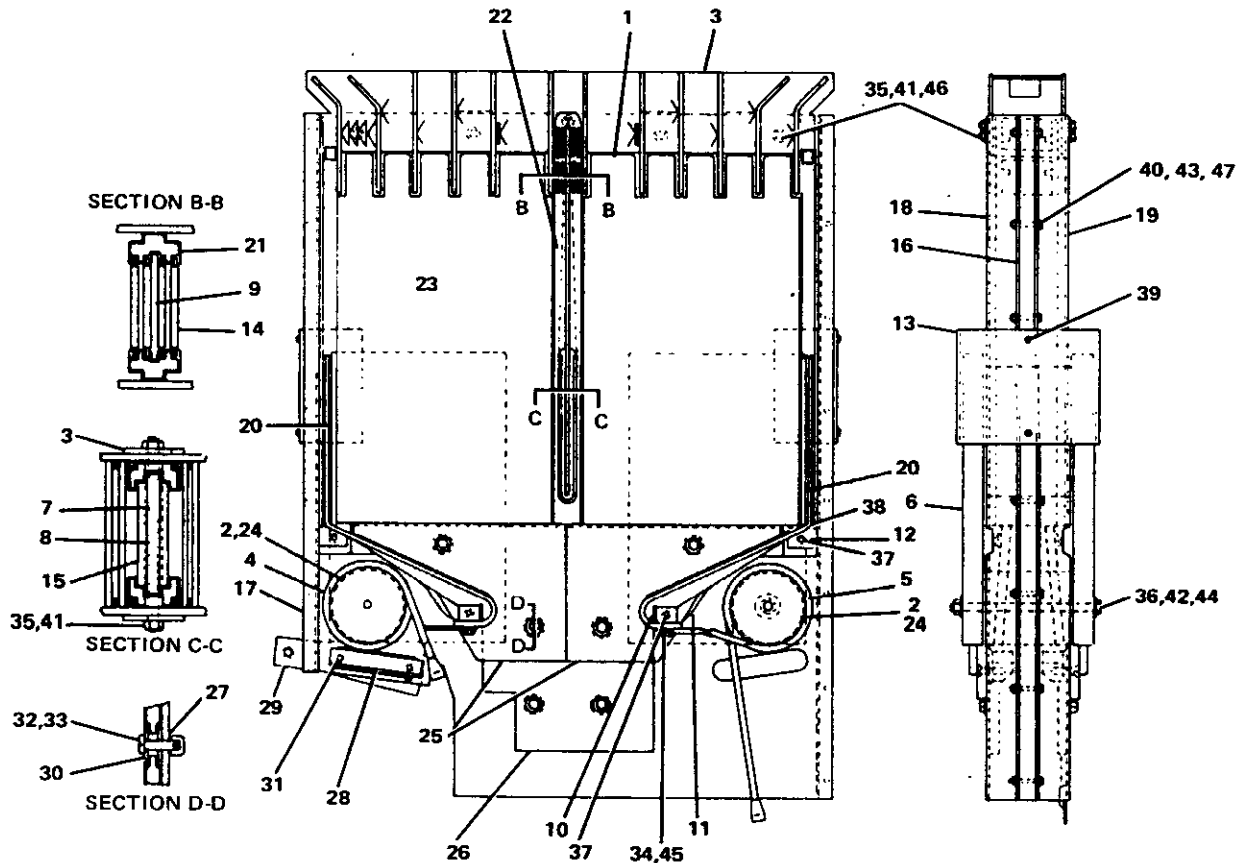


Figure 4 FB-500 A1 Arc Chute (Codes E, F and G; See Code Table, page 1).

ITEM DESCRIPTION FOR FIGURE 5

ITEM	DESCRIPTION	PART NUMBER	USAGE	ITEM	DESCRIPTION	PART NUMBER	USAGE
4	Operator Assembly	18-657-657-527		73	Hex Hd Cap SCR	00-611-315-465	
6	(Radius) Arm Assembly	71-302-796-502		74	Hex Hd Cap SCR	00-611-315-466	
7	Push Rod Assembly	18-723-509-501		75	Hex Hd Cap SCR	00-611-315-546	
8	Crank Assembly	18-724-407-501		76	Hex Hd Cap SCR	00-611-315-548	
9	Manual Charge Arrgt.*	18-391-037-501		77	Hex Hd Cap SCR	00-611-315-562	
10	Guide Assembly	71-113-437-501		79	Cap	00-633-182-060	
11	Indicator Arm Assembly	71-113-474-501		80	Hex Hd Cap SCR	00-611-315-382	
12	Piston Assembly	71-114-161-505		81	Hex Nut	00-631-003-204	
13	Guide Assembly	18-657-515-568		82	Hex Nut	00-631-059-106	
14	Ground Contact Ass'y.	71-114-787-502		84	Locknut	15-171-063-006	
15	Bracket Assembly	18-657-502-550		85	Locknut	15-171-063-011	
16	Lever Assembly	72-120-568-502		86	Locknut	15-171-063-012	
17	Foot Pedal Assembly	18-657-506-562		87	Locknut	15-171-063-010	
18	Frame Assembly	72-320-035-502		88	Nut	00-633-083-105	
19	Spring	71-204-604-028		89	Nut	00-633-025-220	
20	Stud	18-292-228-031		90	Jam Nut	00-631-171-108	
21	Pin	71-104-754-034		91	Jam Nut	00-631-171-110	
23	Pin	71-104-754-040		92	Cotter Pin	00-671-195-049	
24	Shoulder Stud	71-108-105-003		93	Cotter Pin	00-671-195-115	
25	Oper. Counter	71-110-940-002		94	Cotter Pin	00-671-195-119	
26	Plunger	71-113-442-001		95	Cotter Pin	00-671-195-191	
27	Stop	71-113-478-001		96	Roll Pin	00-671-176-377	
28	Yoke End	71-113-487-002		97	Clevis Pin	00-957-211-901	
29	Angle	71-113-530-001		98	Clevis Pin	00-957-211-903	
30	Rod End	71-113-541-001		99	RD Washer	00-651-007-146	
31	Spring	71-113-621-001		100	RD Washer	00-651-007-900	
32	Rod End	71-113-633-001		101	RD Washer	00-651-007-214	
33	Spring	71-113-669-001		102	RD Washer	00-651-007-285	
34	Cup	71-114-151-001		103	Lockwasher	00-655-017-026	
35	Comp. Spring	71-114-153-001		104	Lockwasher	00-655-017-032	
36	Bumper	71-114-154-001		105	Lockwasher	00-655-017-040	
37	Cylinder	71-114-155-003		106	Wheel	15-171-067-002	
38	Packing	71-114-156-001		108	Spring	15-171-700-001	
39	Valve Disc	71-115-244-001		110	Jam Nut	00-631-171-104	
40	Rod	72-120-239-001		111	Hex Hd Cap SCR	00-611-315-468	
41	Comp. Spring	71-140-125-001		121	Pin	18-657-464-105	
42	Spring	71-153-031-001		122	Retaining Ring	00-673-165-075	
43	Bracket	72-120-708-001		123	Washer	71-152-809-026	
44	Pin	18-657-523-124		124	Indicator	71-101-247-001	
45	Angle	18-657-229-283		125	Indicator	71-101-248-001	
46	Pull, Rod	18-657-229-198		126	Pin	71-161-921-004	
47	Washer	71-152-809-002		127	Cotter Pin	00-671-195-257	
49	Bracket	18-657-522-326		128	Nyliner Flg. Bushing	00-815-279-020	
50	Crank Assembly	18-723-508-501		132	Pin	15-171-181-001	
51	Roller	72-120-706-001		133	Roll Pin	00-671-176-453	
52	Hex Hd Bolt	00-611-343-030		134	Bracket	18-724-562-001	
53	Bracket	18-723-506-002		135	Drive Support	18-657-768-200	
54	Handle	15-171-175-001		136	Drive Shaft	18-724-563-001	
55	Arm	72-120-399-001		137	Drive Shaft	18-724-563-002	
56	Switch	15-171-044-004		138	Miter Gear	18-657-783-356	
57	Round (Rod)	71-104-107-021		139	Cover	18-657-769-375	
58	Needle Bearing	00-813-119-814		140	Roll Pin	00-671-176-189	
66	Yoke End Adj	00-691-701-901		141	Roll Pin	00-671-176-187	
67	Yoke End Adj	00-691-701-903		142	Bearing	15-171-387-001	
68	Self Tap SCR	00-615-573-172		143	V Joint	18-657-768-261	
69	Hex Hd Cap SCR	00-611-315-378		144	Bearing	00-815-081-040	
70	Hex Hd Cap SCR	00-611-315-468		145	Roll Pin	00-671-171-313	
71	Hex Hd Cap SCR	00-611-315-422		147	Cap Screw	00-611-315-369	
72	Hex Hd Cap SCR	00-611-315-424		148	RD Washer	00-651-007-160	

*Consists of Item 134 to 148.

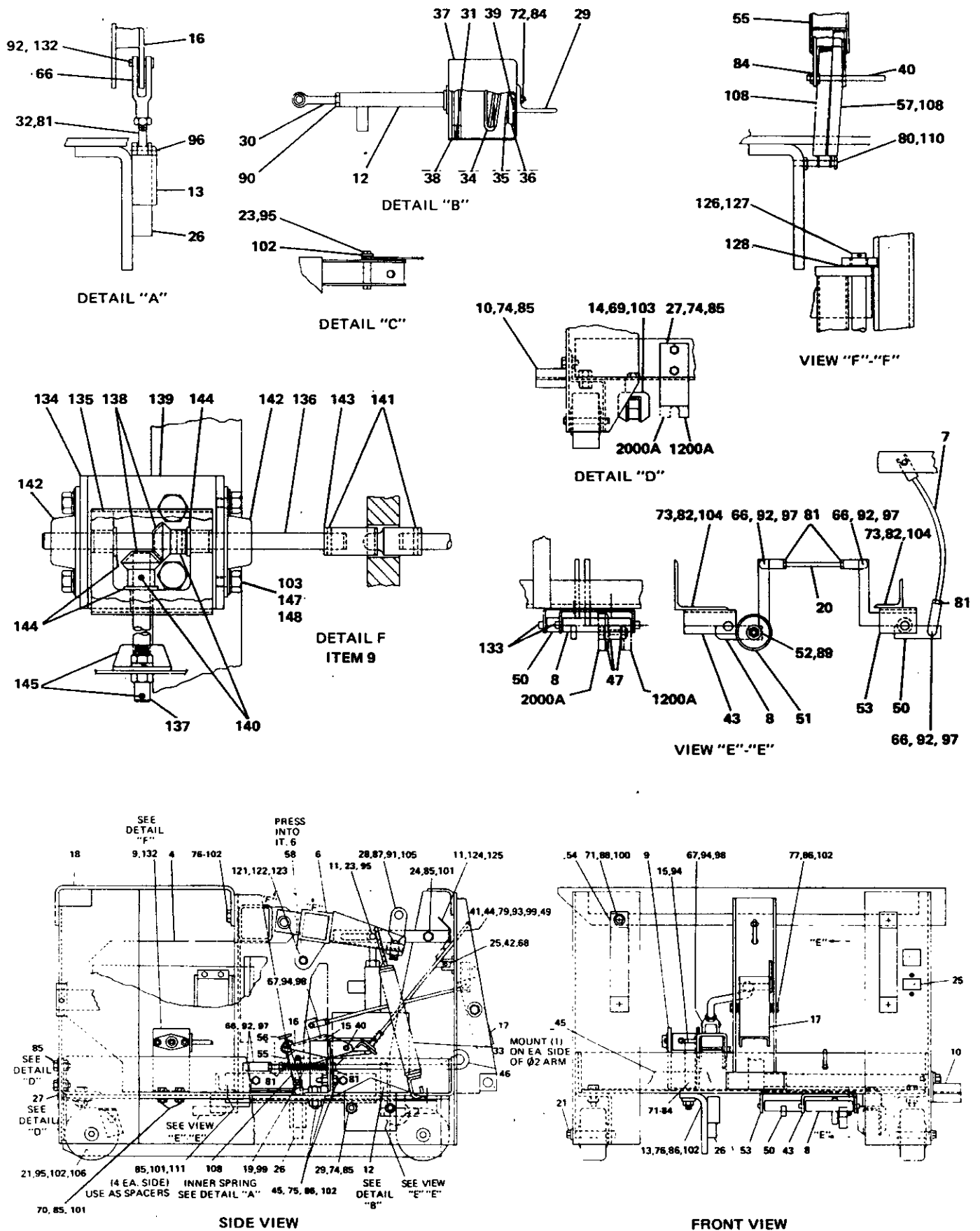


Figure 5. Stored Energy Frame & Operator Assembly.

ITEM DESCRIPTION FOR FIGURE 6

ITEM	DESCRIPTION	PART NUMBER	USAGE	ITEM	DESCRIPTION	PART NUMBER	USAGE
1	Frame Assembly	18-469-163-501		63D		15-171-339-005	240V AC
2	Needle Bearing	00-813-119-810		63E		15-171-339-012	24V DC
3	Needle Bearing	00-813-119-814		64	Solenoid Trip*	15-171-339-006	24V DC
4	Needle Bearing	00-813-119-821		64A		15-171-339-007	48V DC
5	Pawl Assembly	18-657-485-536		64B		15-171-339-008	125V DC
6	Stop Bracket Assembly	18-657-816-564		64C		15-171-339-009	250V DC
8	Slit Spacer	18-657-800-113		64D		15-171-339-017	120V AC
9	Collar	18-657-467-290		64E		15-171-339-011	230V AC
10	Inner Race**	18-657-467-335		65	Trip Latch Switch*	18-657-657-565	AC
11	Spacer	18-158-935-009		66	Strip	18-657-467-239	
12	Thrust Washer	00-815-225-131		67	Screw	00-615-223-172	
13	Needle Bearing	15-813-119-003		68	Lockwasher	00-655-017-020	
14	Pin	18-657-463-368		69	Screw	00-615-245-222	
15	Stop Latch	18-657-463-388		70	Lockwasher	00-655-017-022	
16	Trip Latch	18-657-463-390		71	Screw	15-171-738-001	
17	Pin	18-657-464-012		72	Term. Block Supp. Bracket	18-657-524-111	
18	Pin	18-657-523-064		73	Term. Block	00-857-036-012	
19	Shaft	18-657-463-389		74	Screw	00-615-471-124	
20	Motor*	18-469-223-001	48V DC	75	Lockwasher	00-655-047-060	
		18-469-223-002	115 AC	80	Chain Link	00-831-349-065	
			125V DC	81	Pin	18-657-464-105	
		18-469-223-003	230 AC	82	Retaining Ring	00-673-165-075	
			250V DC	83	Washer	71-152-809-026	
21	Charge Disc. Actuator	18-657-522-305		84	Cap Screw	15-171-059-005	
22	Bracket	18-657-522-304		85	Stop	18-657-464-118	
23	Interlock Rod	18-657-522-269		86	Washer	00-655-067-200	
24	Roller Bearing	15-813-073-003		87	Washer	00-651-027-087	
25	Torsion Spring	18-657-466-081		89	Grease (1 lb. container)	00-337-131-001	
26	Torsion Spring	18-657-466-080		90	Spring Retainer	18-657-523-038	
27	Pawl Return Spring	18-657-229-240		91	Shaft	18-657-463-369	
28	Comp. Spring	15-837-321-005		92	Drive Block	18-657-465-170	
29	Retaining Ring	00-673-165-062		93	Bearing Block	18-657-463-370	
30	Spacer	18-158-935-011		94	Spring	15-171-331-001	
31	Adj. Screw	00-617-499-375		95	Spring	15-171-331-003	
32	Roll Pin	00-671-176-194		96	Retaining Ring	00-673-165-100	
33	Roll Pin	00-671-176-325		97	Retaining Ring	00-673-165-087	
34	Roll Pin	00-671-176-383		98	Shim	18-657-784-007	
35	Roll Pin	15-671-173-002		101	Washer	71-114-297-001	
36	Roll Pin	00-671-171-375		102	U Joint	18-657-768-261	
37	Washer	18-657-522-303		103	Roll Pin	00-671-176-187	
38	Washer	15-171-091-005		104	Link } For Bearing	71-101-258-504	
39	Screw	00-615-245-218		105	Link } Only. See	18-657-510-524	
40	Lockwasher	00-655-017-022		106	Roller } Item 114	15-813-073-001	
41	Screw	00-611-315-392		107	Pin	18-657-464-104	
42	Washer	00-651-007-160		108	Spring	18-657-523-331	
43	Lockwasher	00-655-017-026		109	Washer	71-152-809-026	
44	Elastic Stop Nut	00-633-025-116		110	Spring Holder	18-657-523-332	
45	Jam Nut	00-631-143-104		111	Retaining Ring	00-673-165-075	
46	Roll Pin	00-671-176-373		112	Spring Anchor	18-657-523-333	
47	Roll Pin	00-671-171-379		113	Link	18-657-800-115	
48	Spacer	18-657-523-278		113A	Washer	15-813-129-004	
50	Roll Pin	00-671-176-189		114	Needle Bearing (For Item 104 & 105)	00-813-119-813	
51	Ratchet Assembly	18-390-202-501		115	Plate	18-723-641-001	
52	Cam Assembly } ***	18-389-061-501		116	Terminal Block	00-857-036-012	
53	Cam Assembly }	18-389-061-502		117	Closing Latch Check Switch	15-171-323-001	AC
54	Linkage Assembly (Consists of items 104 to 113A)			118	Closing Latch Check Switch	15-171-323-002	DC
55	Motor & Closing Control Control Consists of Items 115 to 135	18-390-246-501		120	Shield	18-657-468-090	
56	Indicator Assembly	18-723-511-502		122	Screw	00-615-471-130	
57	Trip Latch Check Switch & Mtg.	18-395-321-801		123	Washer	00-655-047-060	
58	Pin	18-724-690-003		124	Nut	14-147-052-002	
60	Solenoid Trip Link Assembly	18-657-770-518		125	Screw	00-617-247-470	
62	Clevis Pin	15-171-751-001		126	Nut	00-631-171-106	
63	Solenoid Closing*	15-171-339-001	48V DC	127	Washer	00-655-017-032	
63A		15-171-339-002	125V DC	128	Washer	00-651-007-230	
63B		15-171-339-003	250V DC	129	Screw	00-615-471-124	
---				130	Screw	00-615-485-216	

ITEM	DESCRIPTION	PART NUMBER	USAGE	ITEM	DESCRIPTION	PART NUMBER	USAGE
131	Washer	00-655-017-022		138	Bumper	18-657-822-286	
132	Washer	00-651-007-907			(Inside of item 28)		
133Y	Relay, Anti-Pump	00-871-797-107	125V DC	139	Washer	71-163-273-001	
133AY	Relay, Anti-Pump	00-871-797-108	250V DC	140	Washer	71-140-443-001	
133BY	Relay, Anti-Pump	00-871-797-109	48V DC	141	Washer	18-657-765-121	
133CY	Relay, Anti-Pump	00-871-797-115	24V DC	142	Switch } Motor	18-657-514-567	125V DC
133DY	Relay, Anti-Pump	15-171-405-002	120V AC	142	Switch } Cutoff	18-724-271-502	250V DC
133EY	Relay, Anti-Pump	15-171-405-001	230V AC	143	Screw	00-611-315-470	
135	Screw	00-615-291-171		144	Nut	00-631-059-106	
137	Capacitor Trip Device*	71-301-550-502					

*Give breaker S/N and control voltage 55 when ordering item. See View D

**Must be supplied in pairs.

***Must be supplied as matched set.

145A Latch Check	18-471-853-501	24V DC
145B Relay —	18-471-853-502	48V DC
145C Reclose Duty	18-471-853-503	125V DC
145D Only	18-471-853-504	250V DC
145E	18-471-853-505	120V AC
145F	18-471-853-506	240V AC

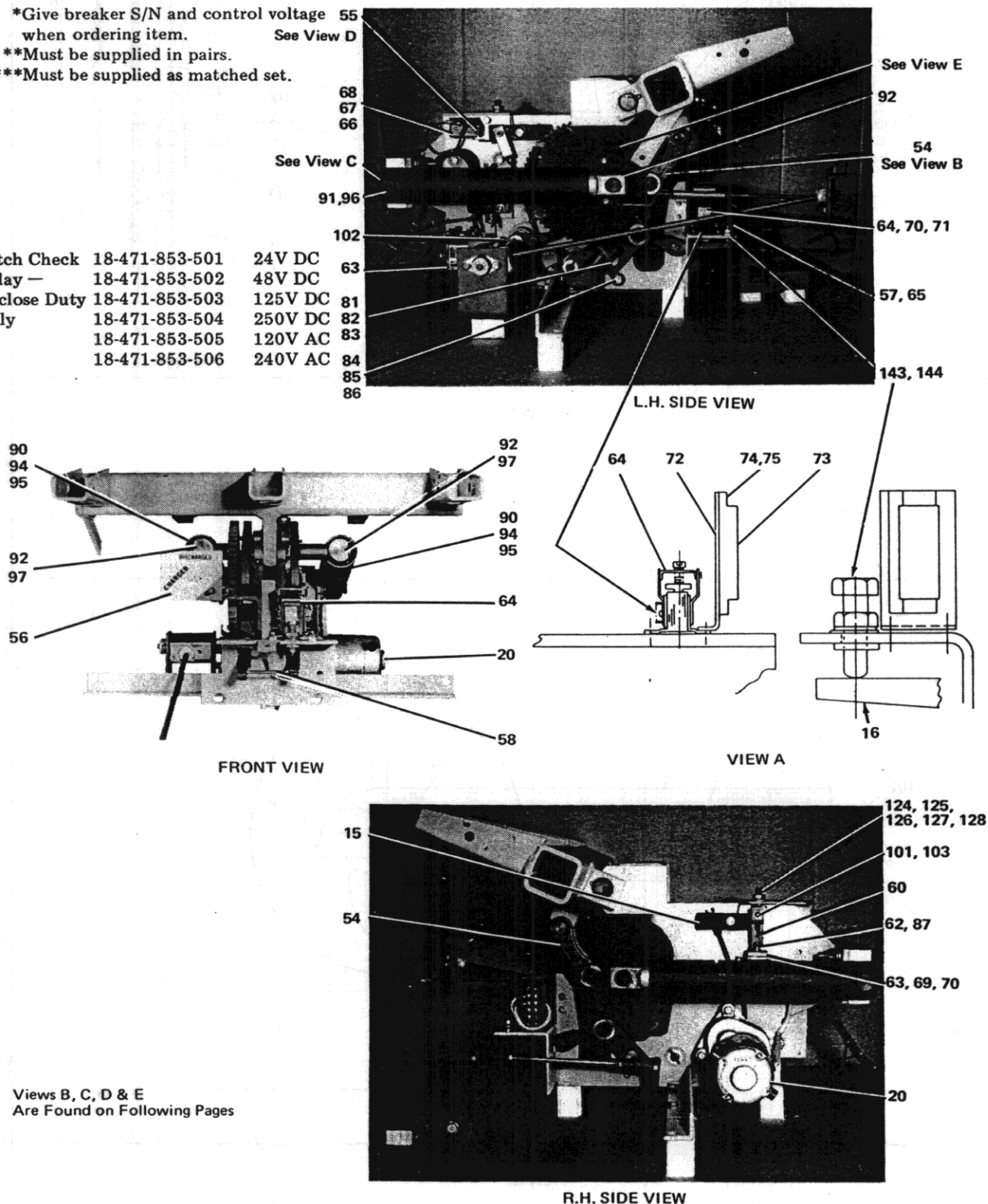
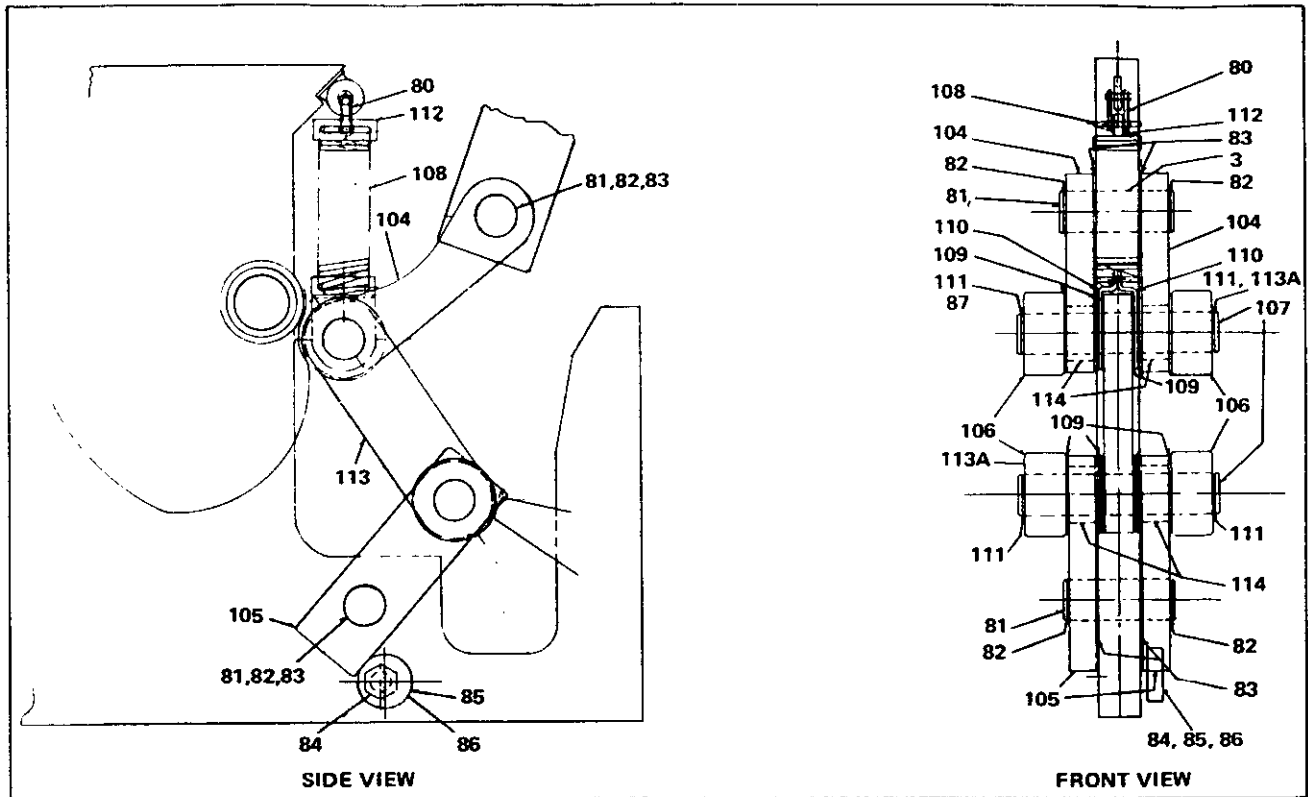
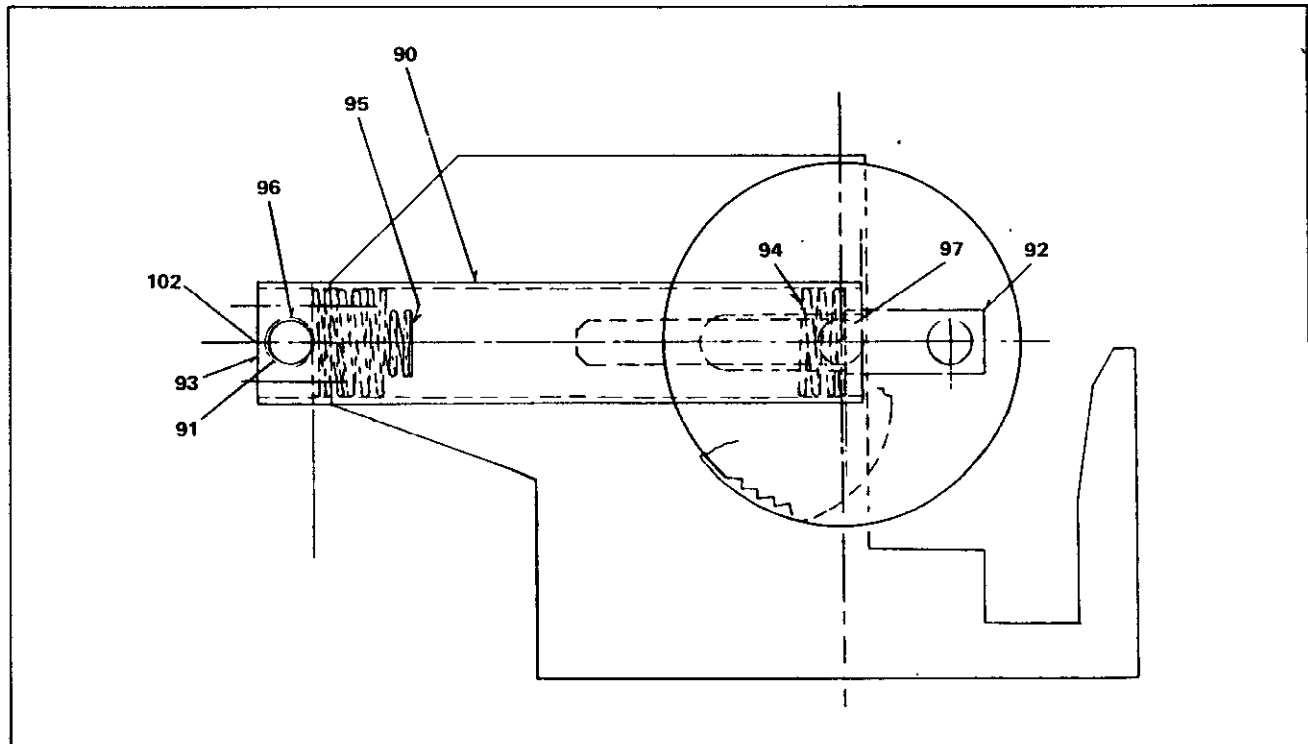


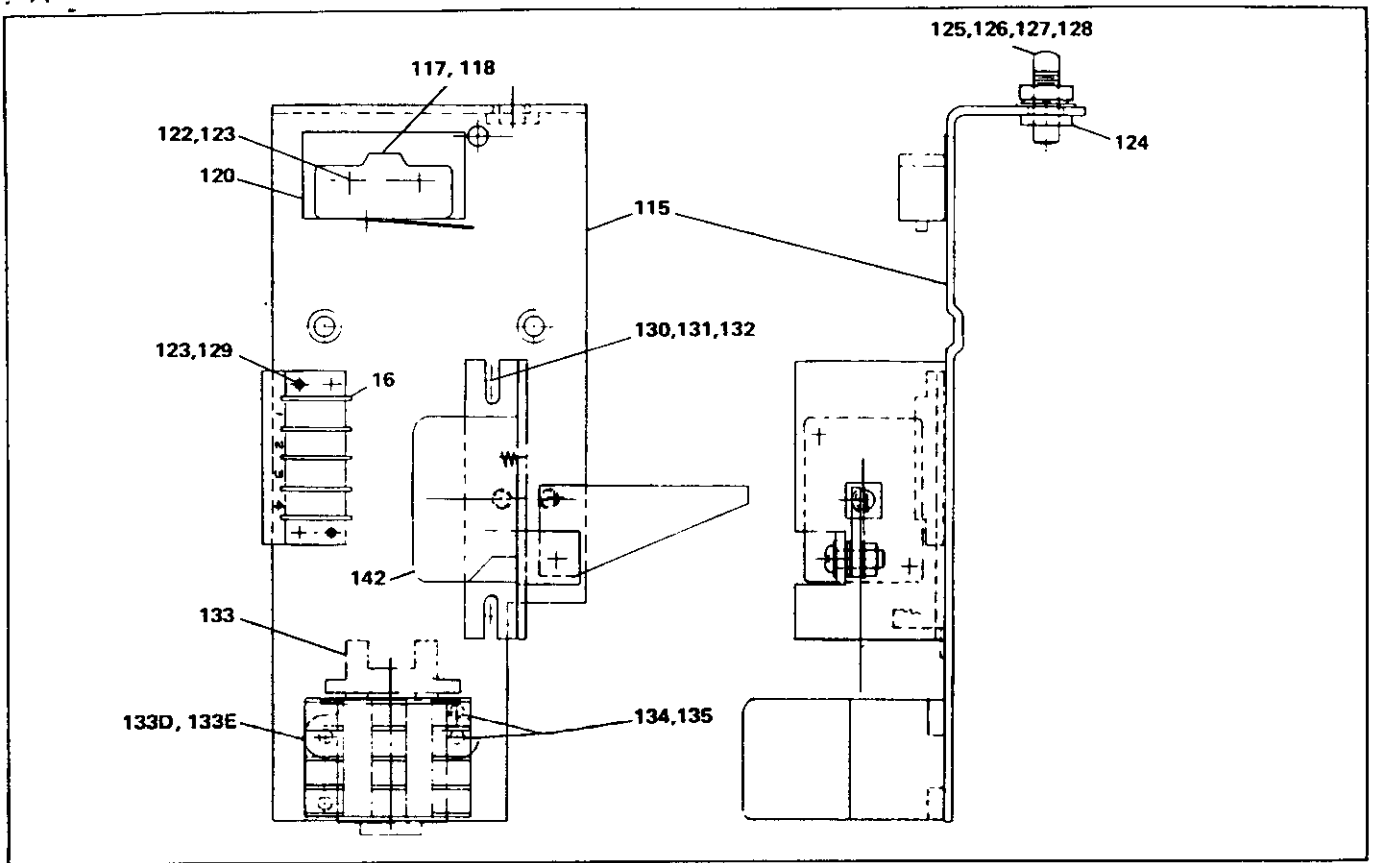
Figure 6. Type 515-2 Stored Energy Operator Assembly



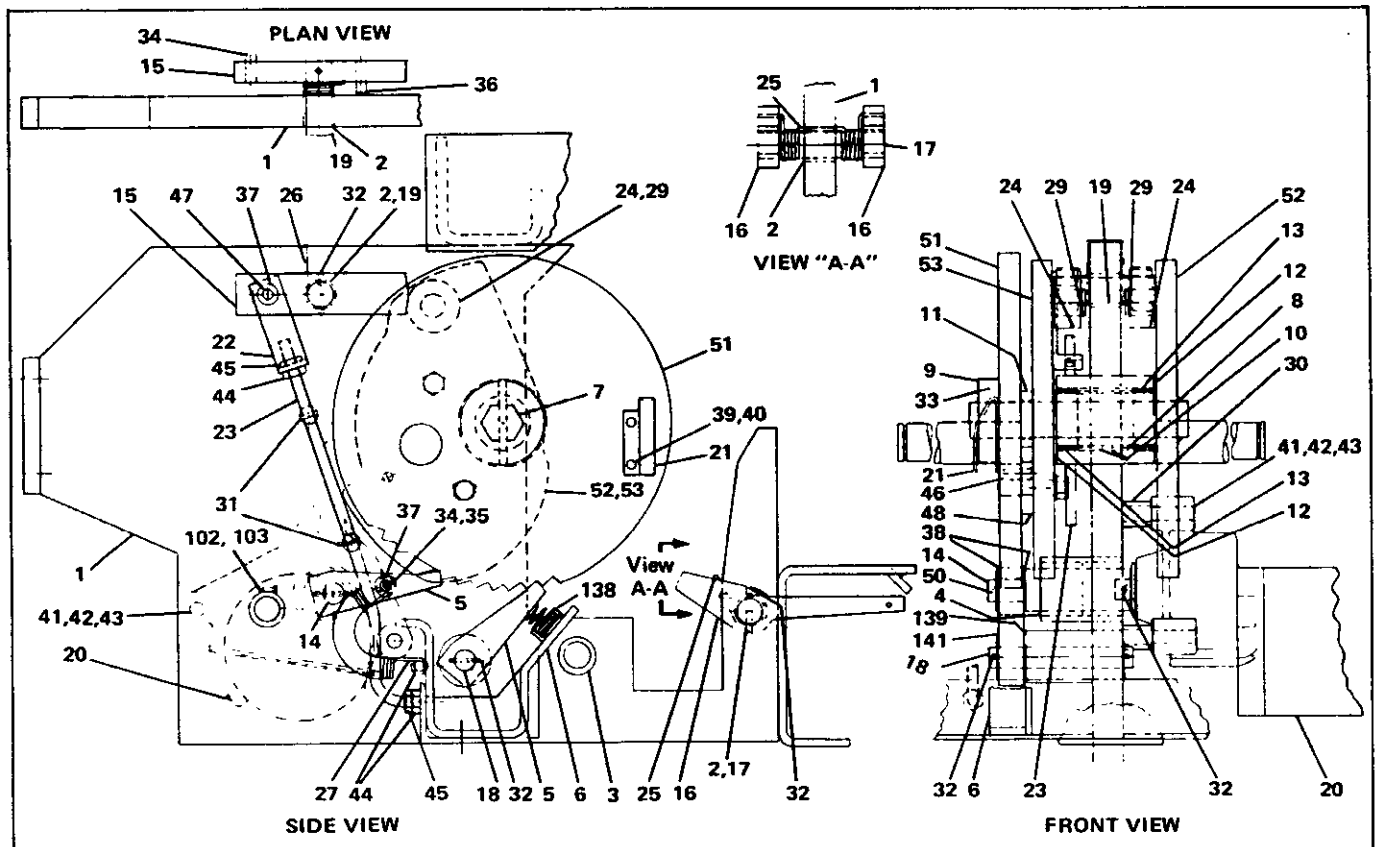
VIEW B



VIEW C



VIEW D



VIEW E
FRAME AND DRIVE ASSY.

SIEMENS-ALLIS

Switchgear

P.O. Box 14505

West Allis, Wisconsin 53214