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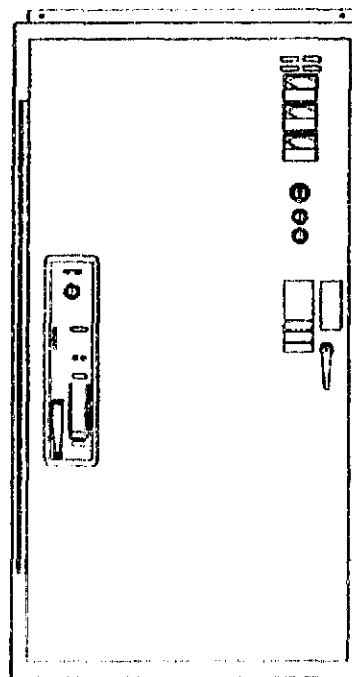


PARTS CATALOG

BT/BN

600-800-1000

Transfer Switch



962-0224
12-91 (SPEC 8)
Printed in U.S.A.

Introduction

Identify your model by referring to the Model and Specification number as shown on the nameplate. Electrical characteristics are shown on the lower portion of the nameplate, which is located on the cabinet door. If it is necessary to contact a dealer or distributor regarding the transfer switch, always give the complete Model, Specification, and Serial number as listed on the nameplate. This information is necessary to properly identify your unit among the many types manufactured.

For the name of your local Cummins/Onan distributor in the United States or Canada, call 1-800-888-ONAN. (This automated service utilizes touch-tone phones only.) By entering your area code and the first three digits of your local telephone number, you will receive the name and telephone number of the distributor nearest you.

Feature Option	Feature Description	Feature Option	Feature Description
A013	Current Rating - 150 Amps	J022	Program Transition - 0-60 Sec
A014	Current Rating - 225 Amps	K001	Battery Charger - 2A, 12/24V
A015	Current Rating - 260 Amps	K002	Battery Charger - 10A, 12V
A016	Current Rating - 300 Amps	K003	Battery Charger - 10A, 24V
A017	Current Rating - 400 Amps	L001	Aux Relay - 24 VAC Coil
A018	Current Rating - 600 Amps	L002	Aux Relay - Emergency Position
A019	Current Rating - 800 Amps	L003	Aux Relay - Normal Position
A020	Current Rating - 1000 Amps	L004	Aux Relay - Emergency Source
A028	Transfer Switch - 3 Pole	L005	Aux Relay - Normal Source
A029	Transfer Switch - 4 Pole	L101	Aux Relay - 24 VDC Coil
A035	Application - Utility to Genset	L102	Aux Relay - Emergency Position
A036	Application - Utility to Utility	L103	Aux Relay - Normal Position
A041	System - 1 Phase, 2-W or 3-W	L104	Aux Relay - Genset Start
A042	System - 3 Phase, 3-W or 4-W	L201	Aux Relay - 12 VDC Coil
A044	Frequency - 60 Hertz	L202	Aux Relay - Emergency Position
A045	Frequency - 50 Hertz	L203	Aux Relay - Normal Position
A046	Listing - UL	L204	Aux Relay - Genset Start
A047	Certification - CSA	M001	Module - Signal
A048	Listing - Not Applicable	M003	Terminal Block - 30 Points
A050	Packing - Wooden Crate	M007	Load Shed - From Emergency
A051	Packing - Export Box	N001	Switch - Auto/Manual Change
B001	Cabinet - Type 1	N002	Terminal Block - Batt Chrg Alarms
B002	Cabinet - Type 3R	N005	Terminal Block - Source 1/2 Rmt Sig
B004	Open Construction	R021	208 VAC
C015	Control - Time Delay Start 90 Sec	R022	220 VAC
C016	Control - OV and O/U Hz, Source 2	R023	240 VAC
C017	Control - OV and O/U Hz, Source 1	R024	380 VAC
D001	Meters - None	R025	416 VAC
D002	Meters - Door Mounted	R026	480 VAC
J001	Clock - 7 Day Exerciser	R027	600 VAC
J021	Program Transition - 0-7.5 Sec		

Feature options can be determined by reading them off of the nameplate, or by accessing the following screen through the distributor on-line computer system. Note that the first digit typed on this screen is a code number corresponding to an individual Onan product (1=Engines, 2=Gensets, 5=Gen Ends, 6=LT's, 7=OT's/BI's) and that the spec number is always kept to the right and zero filled if the spec number is less than five.

MAD2
ITEM NO: 702835

SPEC 02835

A015 260 AMPS CONTINUOUS
A029 4 POLE SWITCH FOR PROGRAM
A035 UTILITY TO GENSET
A042 THREE PHASE (3 OR 4 WIRE)
A044 60 HZ FREQUENCY
A046 UL LISTED
A050 DOMESTIC PACKING
B001 CABINET - NEMA #1
D002 DOOR ASSY - WITH METERS
J001 EXERCISER CLOCK - 7 DAY
J021 PROGRAM TRANSITION - 7.5 SEC
R026 480 VAC

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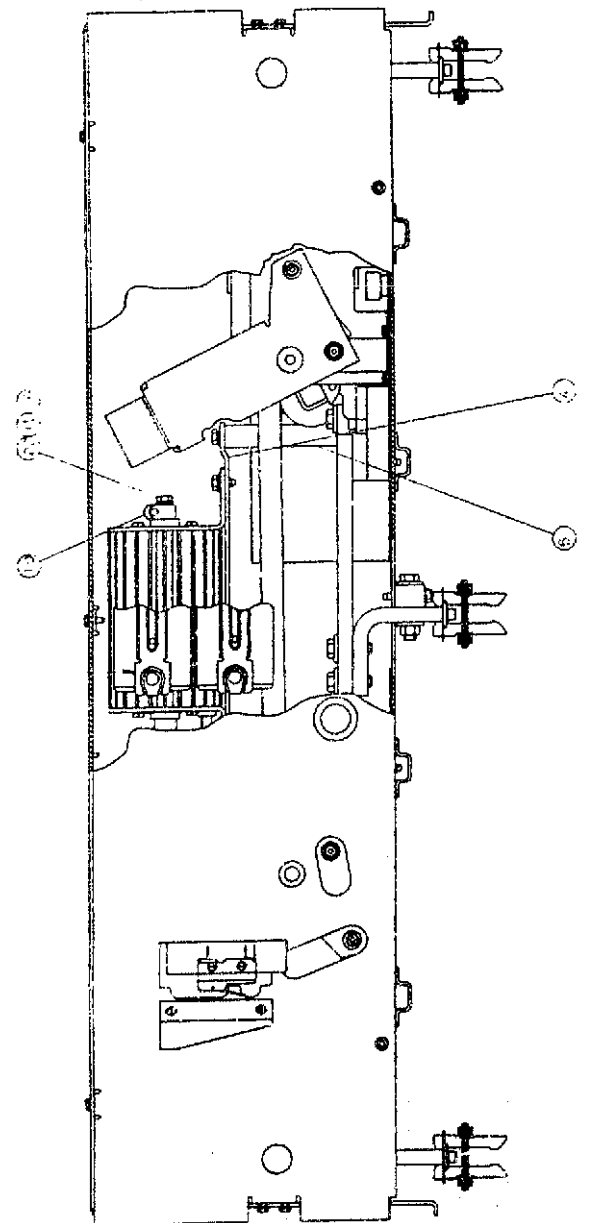
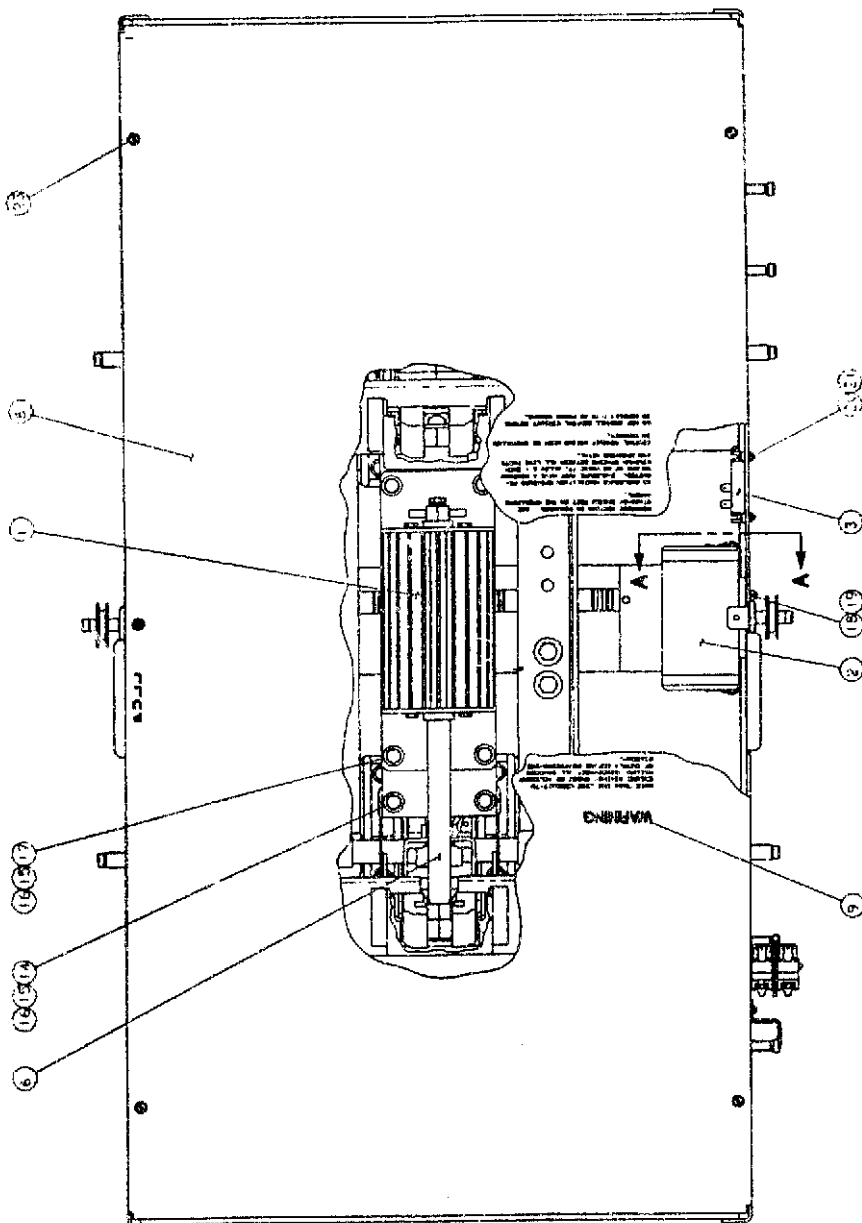
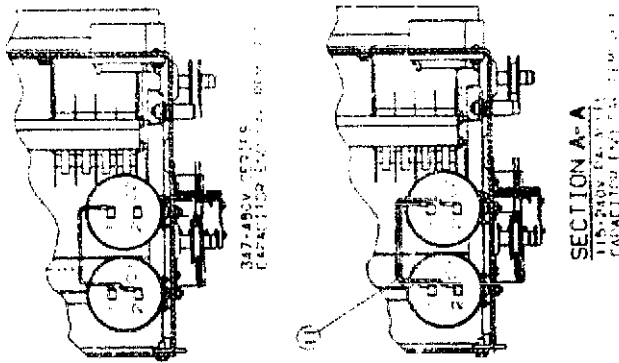
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Transfer Switch Assembly

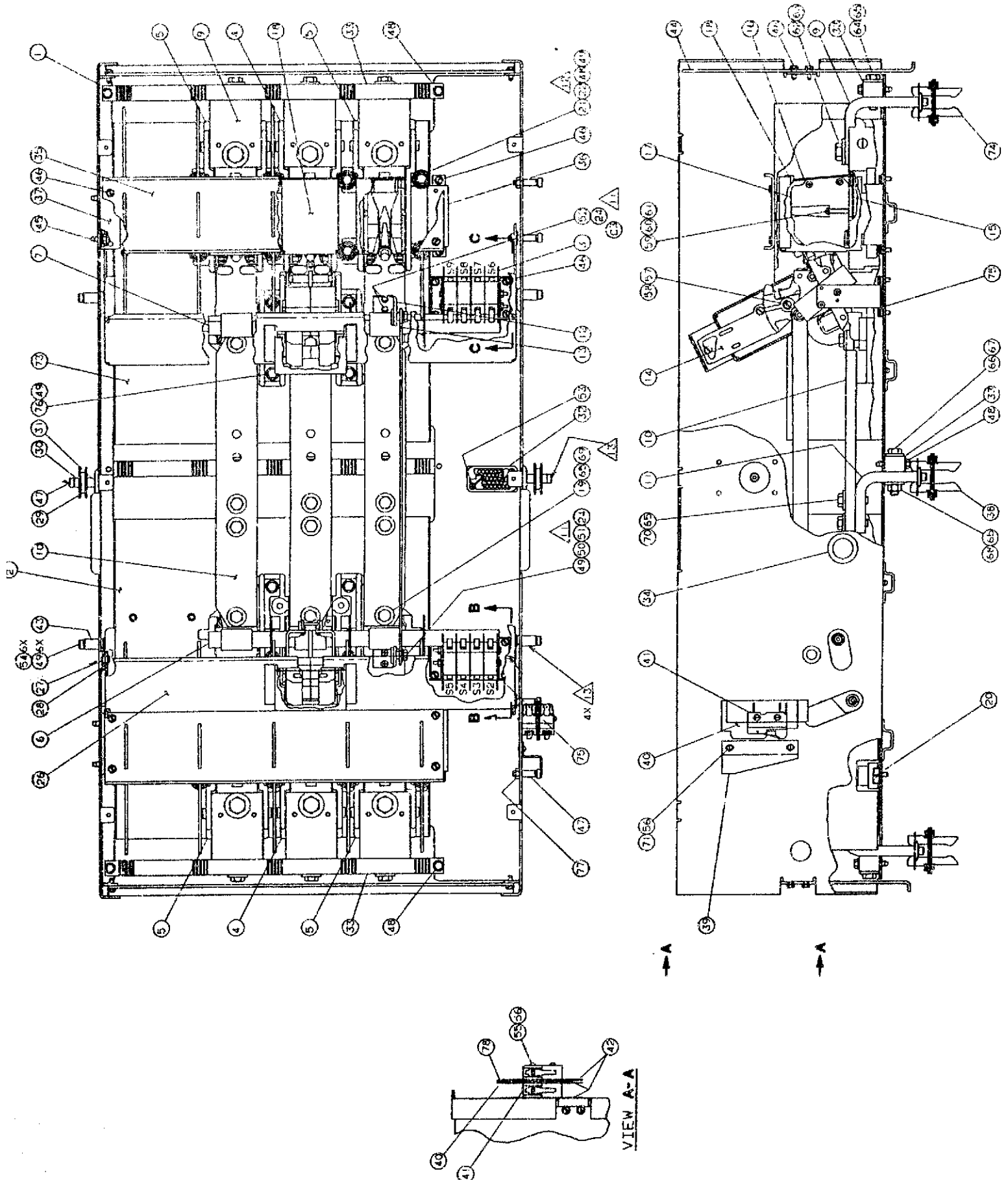


Transfer Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Actuator, Linear	10	306-3400-02	2	Rod-End, Actuator
	306-3448-03	1	208, 600 Volt	12	332-1445	4	Tie, Cable
	306-3448-04	1	220, 240 Volt	14	800-0185	4	Screw, Cap - Hex Head (1/4-20 x 5.5")
	306-3448-06	1	380, 416 Volt	15	850-0040	10	Washer, Lock (1/4")
	306-3448-07	1	480 Volt	16	526-0018	10	Washer, Flat (1/4")
2			Capacitor	17	815-0290	4	Screw, Cap - Hex Head (1/4-20 x .625")
	312-0218	1	380, 416 Volt	18	815-0029	4	Screw, Flat Head - Cross- Recessed (#10-32 x 1/2")
	312-0206	1	220, 240, 480 Volt	19	870-0131	4	Nut, Lock - External Tooth (#10-32)
	312-0233	1	208, 600 Volt	20	812-0062	2	Screw, Round Head (#6-32 x 7/16")
3			Breaker, Circuit	21	870-0183	2	Nut, Lock - External Tooth (#6-32)
	320-0611	1	380, 416, 480 Volt	22	800-0008	2	Screw, Cap - Hex Head (1/4-20 x 1.25")
	320-0612	1	208, 220, 240, 600 Volt	23	815-0652	6	Screw, Hex Head - Slotted (#10-32 x 1/2")
4	306-3898-01	1	Bracket, Mounting - Actuator				
5	306-2276	4	Spacer, Mounting - Actuator				
6	306-3897	1	Rod, Actuator				
7			Switch Assembly (See Separate Page For Components)				
	306-3868	1	3 Pole				
	306-3869	1	4 Pole				
8	306-3834	1	Cover, Switch - Transfer				
9	98-6451	1	Decal, Cover				



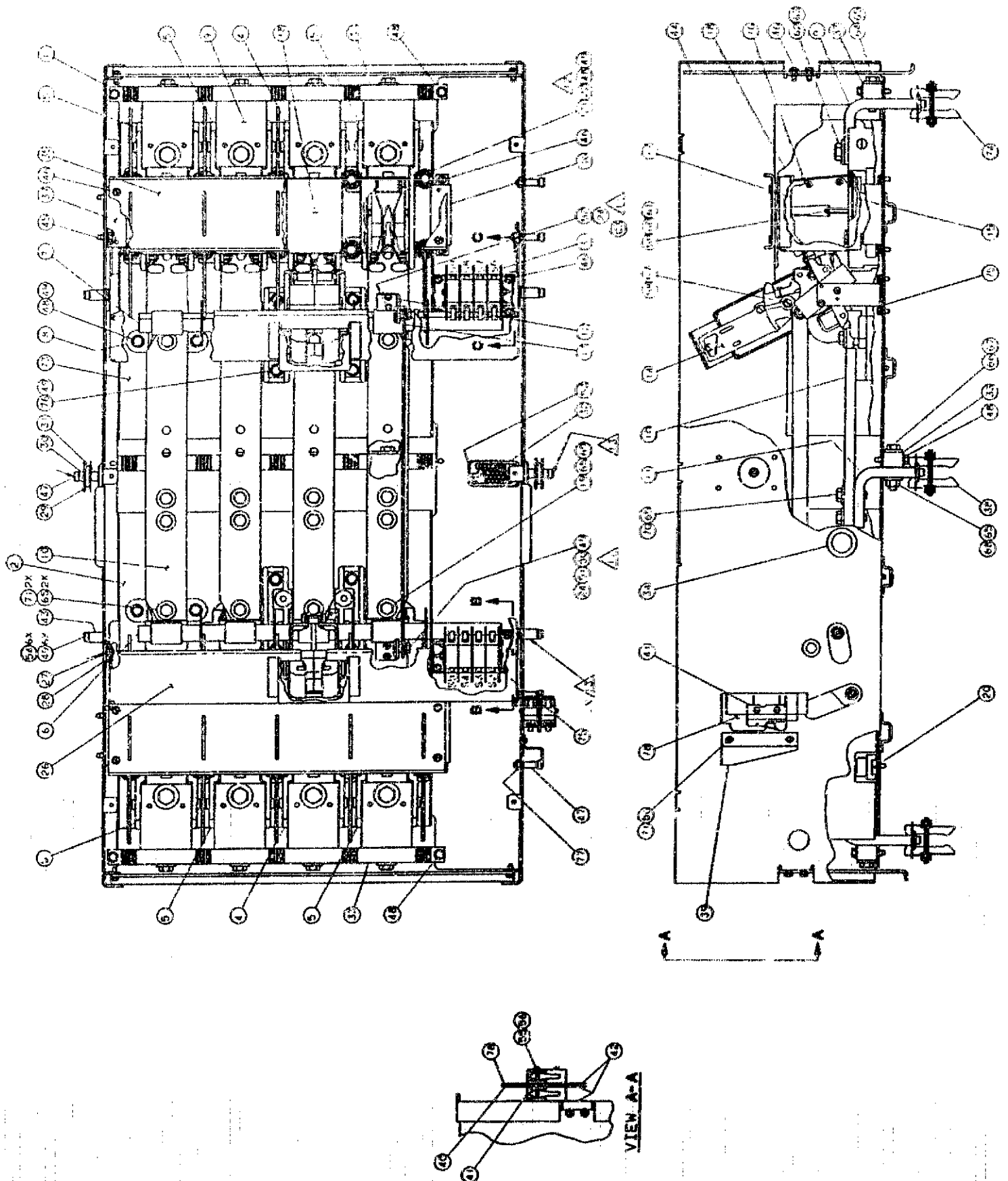
Switch Assembly 3 Pole



Switch Assembly 3 Pole

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3766-01	1	Base	40	815-0652	28	Screw, Slotted - Hex Head (#10-32 x 1/2")
2	306-3816	1	Barrier, Base - Transfer	47	815-0790-01	4	Screw, Shoulder (1/4-20 x 3/4")
3	306-3436	2	Switch Assy, Auxiliary (See Separate Page For Components)	48	815-0667	22	Screw, Cap - Hex Head Internal Tooth (1/4-20 x 1-1/4")
4	306-3453-01	2	Block Assy, Strap - Line (See Separate Page For Components)	49	526-0018	34	Washer, Flat (1/4")
5	306-3453-02	4	Block Assy, Strap - Line (See Separate Page For Components)	50	800-0003	2	Screw, Cap - Hex Head (1/4-20 x 1/2")
6	306-3431-01	1	Contact Assy, Normal (See Separate Page For Components)	51	850-0040	2	Washer, Lock (1/4")
7	306-3431-02	1	Contact Assy, Emergency (See Separate Page For Components)	52	815-0446	4	Screw, Round Head - Cross-Recessed with Internal Tooth (#8-32 x 1/2")
9	337-2507-01	6	Strap	53	815-0447	2	Screw, Cross-Recessed - Round Head (#8-32 x 3/4")
10	337-2539-01	3	Strap, Jumper	54	815-0790-02	6	Screw, Shoulder (1/4-20 x 1")
11	337-2540-01	3	Strap	55	812-0072	2	Screw, Round Head (#6-32 x 1-3/4")
12	306-0508	2	Arm, Interlock	56	853-0003	4	Washer, Lock - External Tooth (#6)
13	306-3904-01	1	Bar, Interlock	57	815-0485	4	Screw, Shoulder (#10-32)
14	306-3762	2	Handle Assy, Actuator (See Separate Page For Components)	58	850-0030	4	Washer, Lock (#10)
15	306-0668	12	Spacer, Chute - Arc	59	812-0087	16	Screw, Machine - Round Head (#8-32 x 1-1/2")
16	306-0669	6	Barrier, Chute - Arc	60	850-0025	16	Washer, Lock (#8)
17	306-0320	6	Chute, Arc	61	526-0003	16	Washer, Flat (#8)
18	306-1041	6	Barrier, Chute - Arc	62	800-0091	6	Screw, Cap - Hex Head (1/2-13 x 1-1/4")
19	306-1398	6	Bushing	63	851-0023	6	Washer, Spring - Conical (1/2")
20	166-0122	4	Spacer, Screw - Mounting	64	800-0052	6	Screw, Cap - Hex Head (3/8-16 x 1-1/2")
21	306-3441	16	Cup, Insulator	65	851-0022	21	Washer, Spring - Conical (3/8)
26	306-3837-01	2	Bracket, Actuator	66	850-0054	3	Screw, Cap - Hex Head (3/8-16 x 2")
27	516-0233	4	Pin, Clevis	67	526-0030	3	Washer, Flat (3/8")
28	518-0115	4	Ring	68	862-0003	3	Nut, Machine - Hex (3/8-16)
29	306-3659	4	Wheel, Bypass	69	800-0053	6	Screw, Cap - Hex Head (3/8-16 x 1-3/4")
30	306-3656	4	Sleeving, Wheel	70	800-0051	6	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
31	306-3670	4	Sleeving, Wheel	71	812-0059	2	Screw, Round Head (#6-32 x 1/4")
32	338-2749	1	Harness, Wiring	73	306-3940	1	Barrier, Base
33	306-3805	3	Bar, Support	74	306-3961	6	Finger Assy, 16 Finger (See Separate Page For Components)
34	508-0253	1	Bushing	75	306-3846	2	Spacer, Switch
35	306-3804	2	Cover, Normal/Emergency	76	815-0290	8	Screw, Hex Washer Head - Self-Tapping (1/4-20 x 5/8")
36	306-3802-01	2	Bracket, Cover				
37	306-3803-01	2	Bracket, Cover				
38	306-3722	3	Finger Assy, 12 Finger (See Separate Page For Components)				
39	306-3783	1	Bracket, Indicator				
40	306-3840-01	1	Plate, Indicating				
41	309-0616	2	Switch, Action - Snap				
42	306-1987	3	Barrier, Switch				
43	306-3718	4	Spacer				
44	306-3852	2	Cover, End				
45	815-0261	4	Screw, Self-Tapping (1/4-20 x 1/2")				

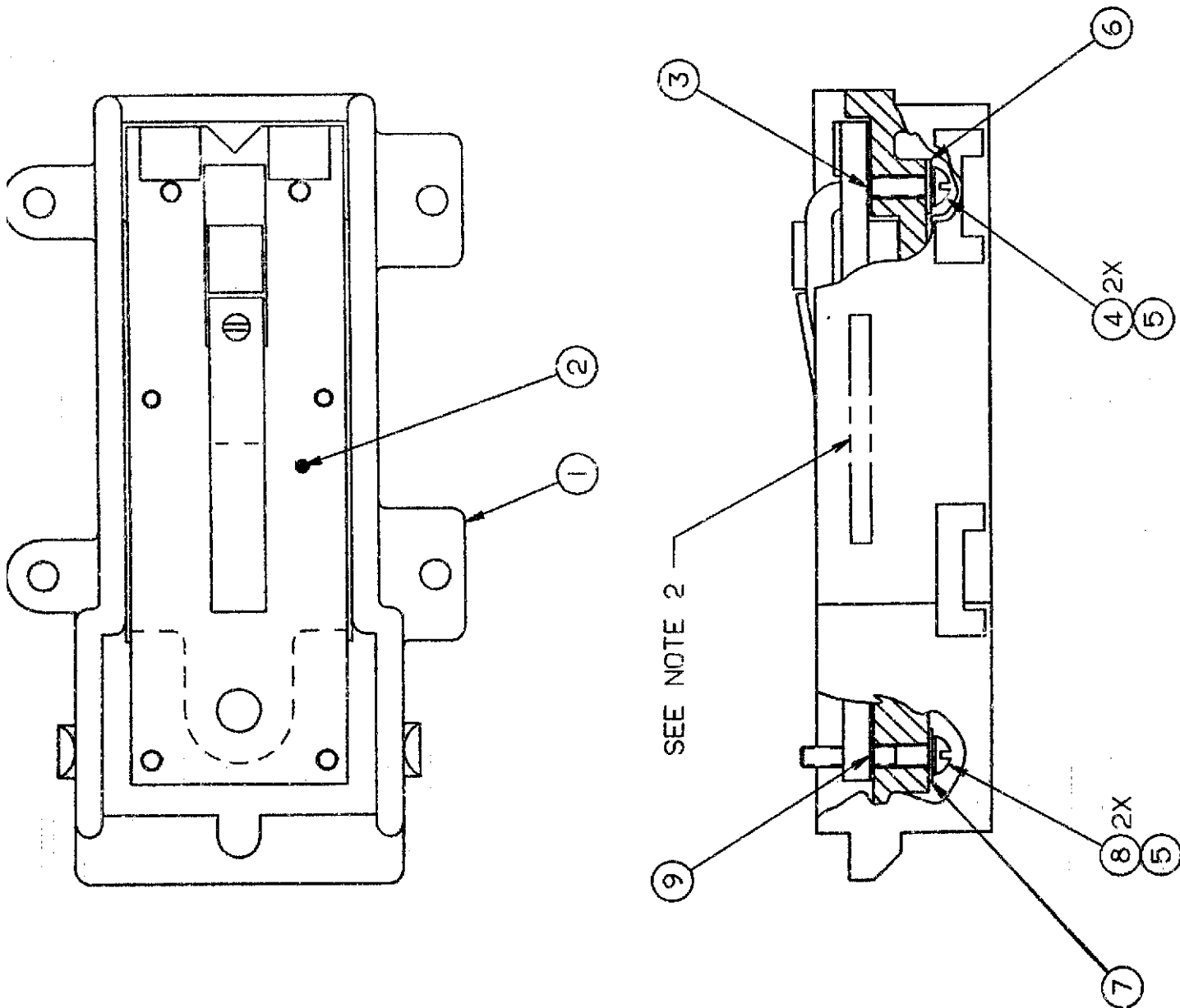
Switch Assembly 4 Pole



Switch Assembly 4 Pole

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3766-01	1	Base	46	815-0652	28	Screw, Slotted - Hex Head (#10-32 x 1/2")
2	306-3816	1	Barrier, Base - Transfer	47	815-0790-01	4	Screw, Shoulder (1/4-20 x 3/4)
3	306-3436	2	Switch Assy, Auxiliary (See Separate Page For Components)	48	815-0667	30	Screw, Cap - Hex Head Interna Tooth (1/4-20 x 1-1/4")
4	306-3453-01	2	Block Assy, Strap - Line (See Separate Page For Components)	49	526-0018	42	Washer, Flat (1/4")
5	306-3453-02	6	Block Assy, Strap - Line (See Separate Page For Components)	50	800-0003	2	Screw, Cap - Hex Head (1/4-20 x 1/2")
6	306-3432-01	1	Contact Assy, Normal (See Separate Page For Components)	51	850-0040	2	Washer, Lock (1/4")
7	306-3432-02	1	Contact Assy, Emergency (See Separate Page For Components)	52	815-0446	4	Screw, Round Head - Cross-Recessed with Internal Tooth (#8-32 x 1/2")
8	306-3449	2	Block, Mounting - Jumper	53	815-0447	2	Screw, Cross-Recessed - Round Head (#8-32 x 3/4")
9	337-2507-01	8	Strap	54	815-0790-02	6	Screw, Shoulder (1/4-20 x 1")
10	337-2539-01	4	Strap, Jumper	55	812-0072	2	Screw, Round Head (#6-32 x 1-3/4")
11	337-2540-01	4	Strap	56	853-0003	4	Washer, Lock - External Tooth (#6)
12	306-0508	1	Arm, Interlock	57	815-0485	4	Screw, Shoulder (#10-32)
13	306-3904-01	1	Bar, Interlock	58	850-0030	4	Washer, Lock (#10)
14	306-3762	2	Handle Assy, Actuator (See Separate Page For Components)	59	812-0087	16	Screw, Machine - Round Head (#8-32 x 1-1/2")
15	306-0668	16	Spacer, Chute - Arc	60	850-0025	16	Washer, Lock (#8)
16	306-0669	8	Barrier, Chute - Arc	61	526-0003	16	Washer, Flat (#8)
17	306-0320	8	Chute, Arc	62	800-0091	8	Screw, Cap - Hex Head (1/2-13 x 1-1/4")
18	306-1041	8	Barrier, Chute - Arc	63	851-0023	8	Washer, Spring - Conical (1/2)
19	306-1398	6	Bushing	64	800-0052	8	Screw, Cap - Hex Head (3/8-16 x 1-1/2")
20	166-0122	4	Spacer, Screw - Mounting	65	851-0022	28	Washer, Spring - Conical (3/8)
21	306-3441	20	Cup, Insulator	66	850-0054	4	Screw, Cap - Hex Head (3/8-16 x 2")
26	306-3837-01	2	Bracket, Actuator	67	526-0030	4	Washer, Flat (3/8")
27	516-0233	4	Pin, Clevis	68	862-0003	4	Nut, Machine - Hex (3/8-16)
28	518-0115	4	Ring	69	800-0053	6	Screw, Cap - Hex Head (3/8-16 x 1-3/4")
29	306-3659	4	Wheel, Bypass	70	800-0051	8	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
30	306-3656	4	Sleeving, Wheel	71	800-0050	2	Screw, Cap - Hex Head (3/8-16 x 1")
31	306-3670	4	Sleeving, Wheel	72	812-0059	2	Screw, Round Head (#6-32 x 1/4")
32	338-2749	1	Harness, Wiring	73	306-3940	1	Barrier, Base
33	306-3805	3	Bar, Support	74	306-3961	8	Finger Assy, 16 Finger (See Separate Page For Components)
34	508-0253	1	Bushing	75	306-3846	2	Spacer, Switch
35	306-3804	2	Cover, Normal/Emergency	76	815-0290	8	Screw, Hex Washer Head - Self-Tapping (1/4-20 x 5/8")
36	306-3802-01	2	Bracket, Cover				
37	306-3803-01	2	Bracket, Cover				
38	306-3722	4	Finger Assy, 12 Finger (See Separate Page For Components)				
39	306-3783	1	Bracket, Indicator				
40	306-3840-01	1	Plate, Indicating				
41	309-0616	2	Switch, Action - Snap				
42	306-1987	3	Barrier, Switch				
43	306-3718	4	Spacer				
44	306-3852	2	Cover, End				
45	815-0261	4	Screw, Self-Tapping (1/4-20 x 1/2")				

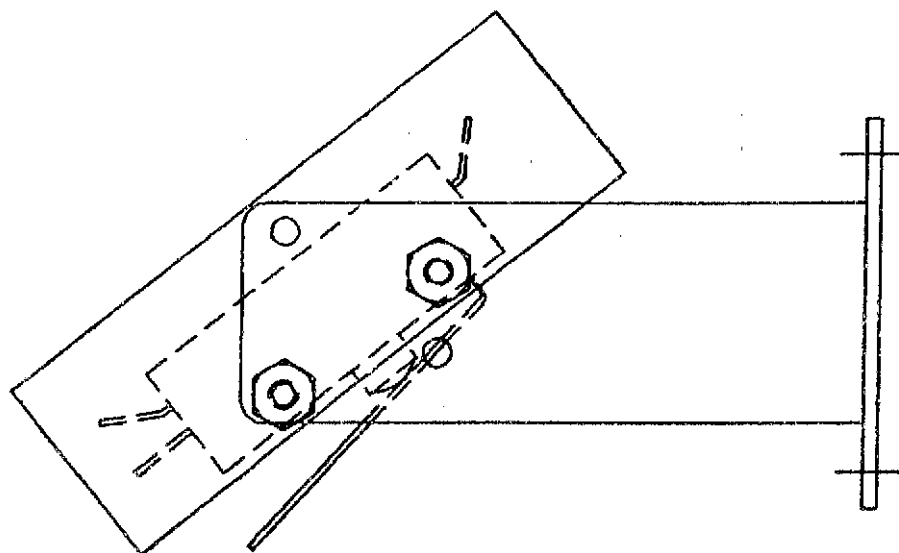
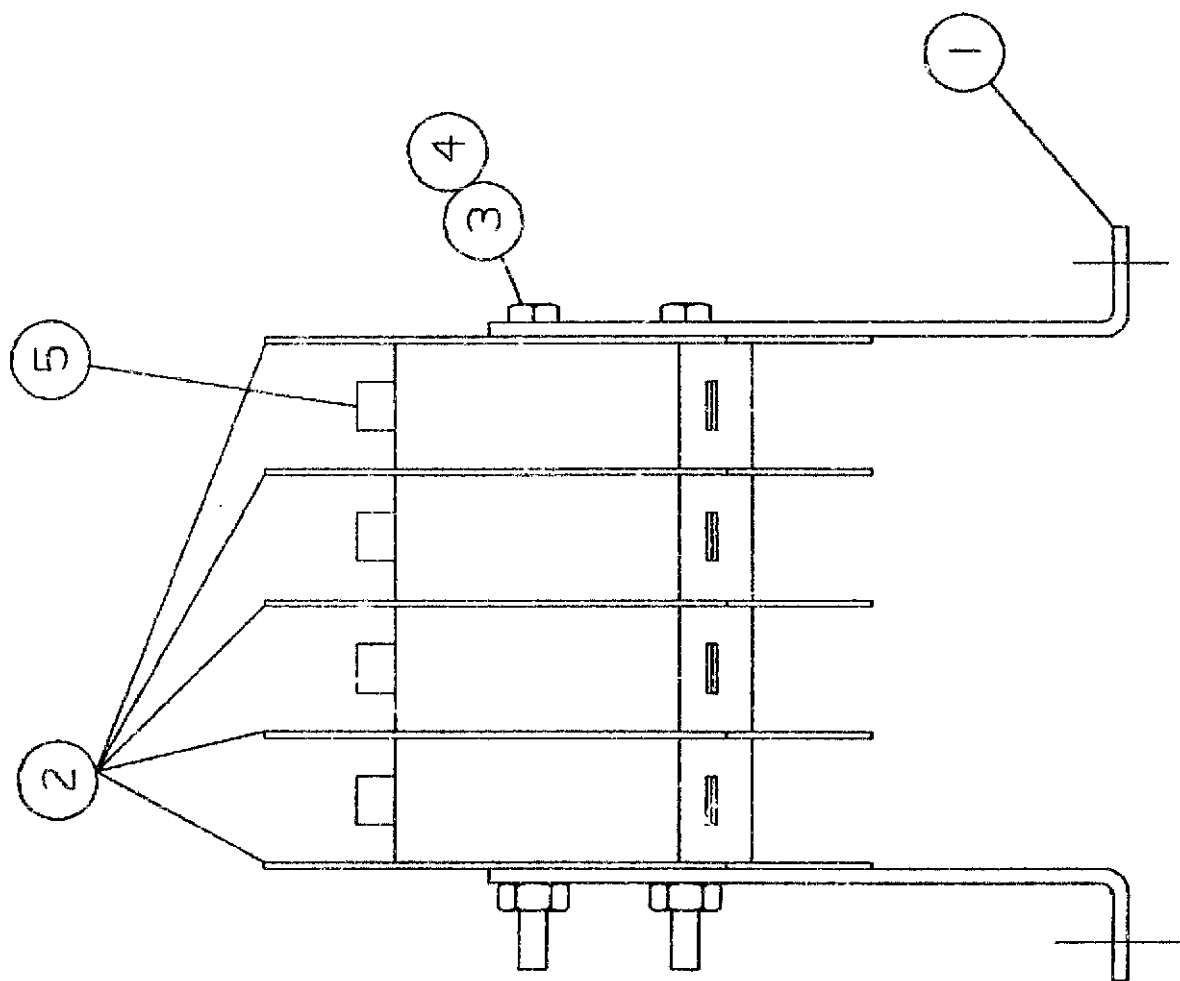
Line Strap Block Assembly



Line Strap Block Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-2298	1	Block, Mounting - Line Strap	6	370-0043	1	Plate
2	306-2291	1	Strap, Line	7	370-0042	1	Plate
3	306-0603	2	Spacer, Strap - Line (Outer Contact Only)	8	813-0107	2	Screw, Machine - Round H (#10-32 x 1-1/4")
4	813-0104	2	Screw, Machine - Round Head (#10-32 x 7/8")	9			Washer, Flat (#10)
5	854-0010	4	Washer, Lock - Int Tooth (#10)		526-0008	2	Contact, Center
					526-0008	6	Contact, Outer

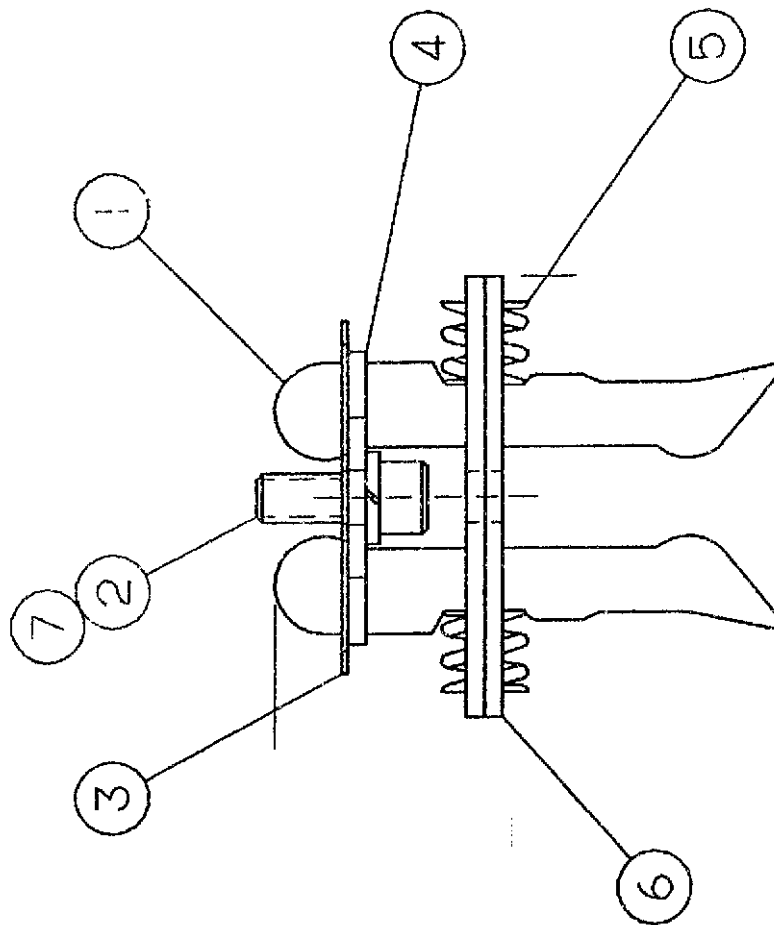
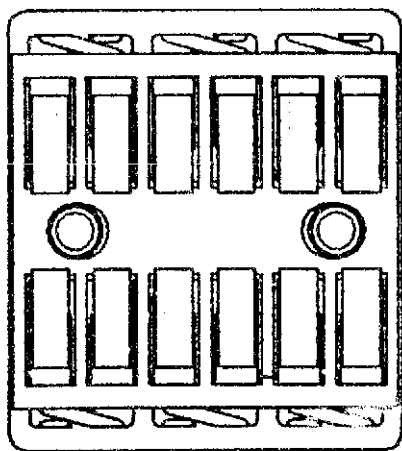
Auxilliary Switch Assembly



Auxiliary Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3435	2	Bracket, Switch - Auxiliary	4	970-0201	2	Nut, Hex - Self-Lock (#6-32)
2	306-3391	5	Barrier, Switch	5	309-0393	4	Switch, Action - Snap
3	815-0686	2	Screw, Hex Head - Slotted (#6-32 x 3-1/4")				

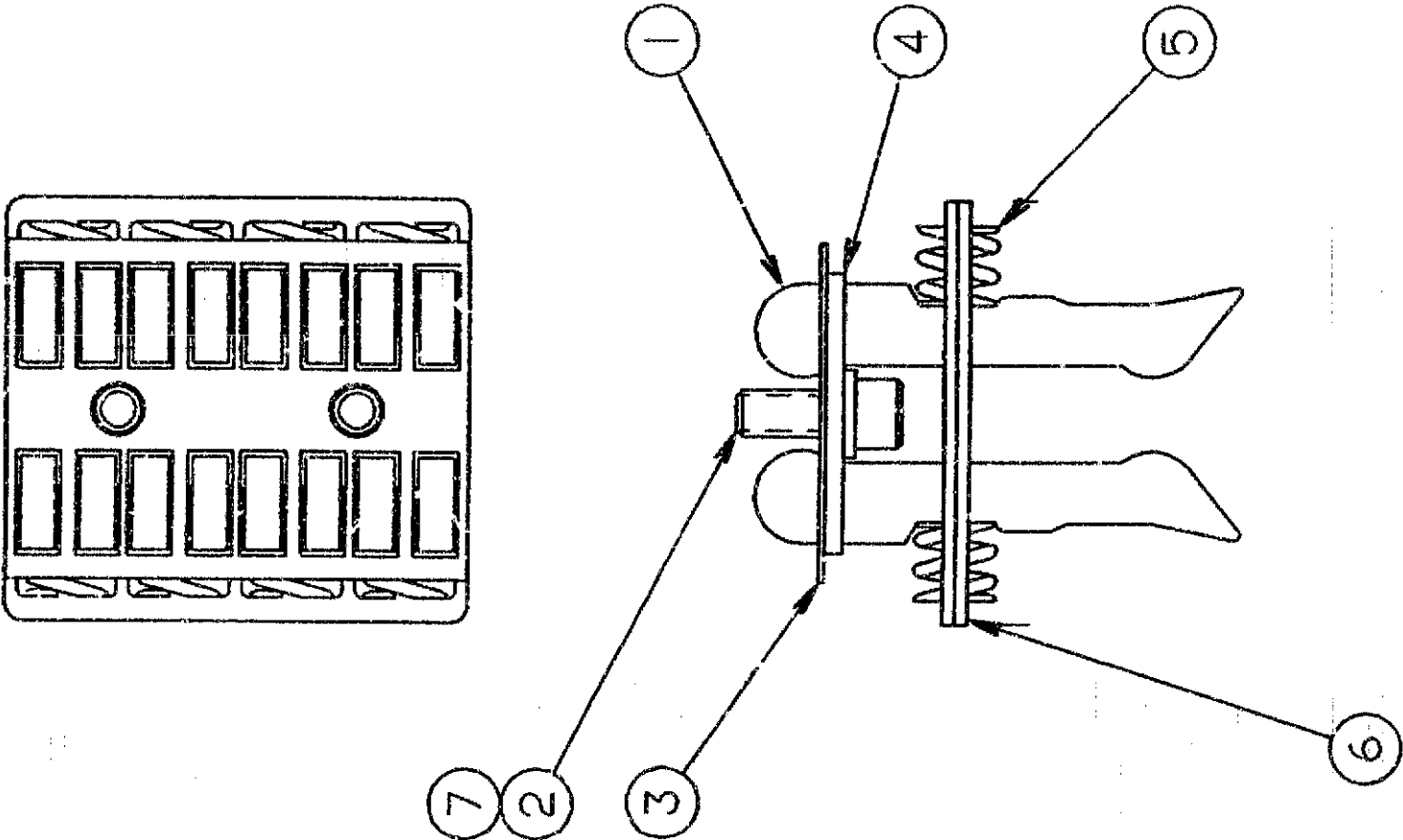
Contact Finger Assembly



Contact Finger Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3696	12	Finger	4	306-3700	1	Divider, Contact
2	802-0045	2	Screw, Cap - Socket Head (1/4-20 x 5/8")	5	306-3692	6	Spring, Contact
3	306-3699	1	Spacer, Finger	6	306-3698	2	Support, Spring
				7	850-0040	2	Washer, Lock (1/4")

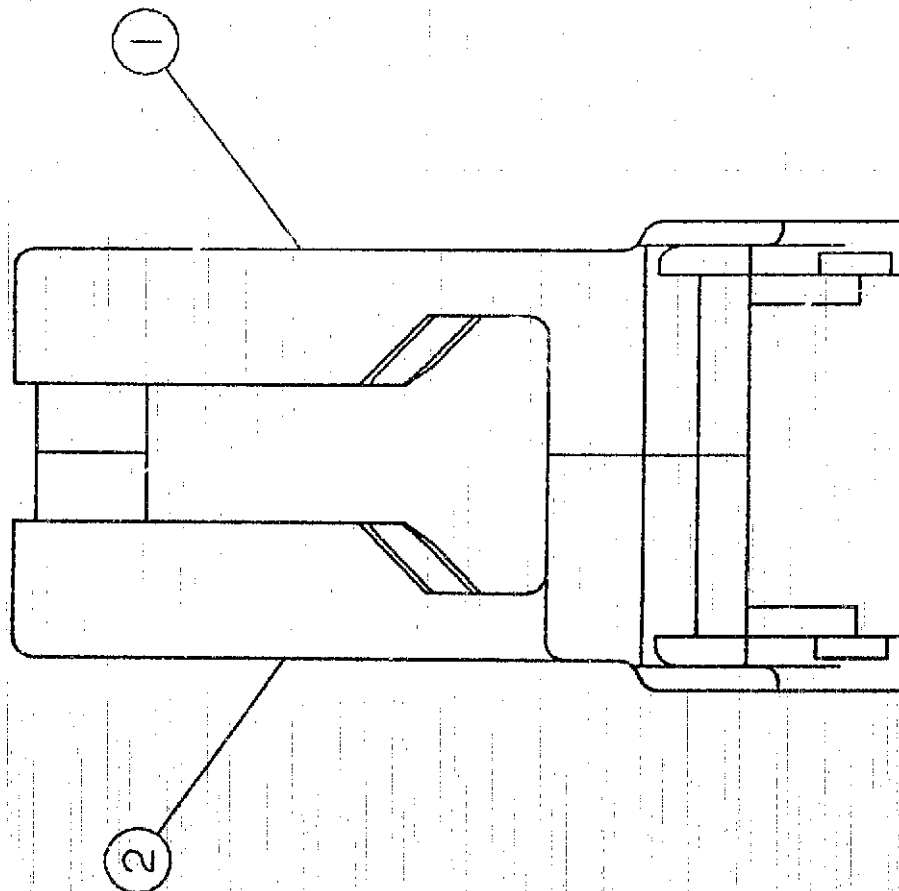
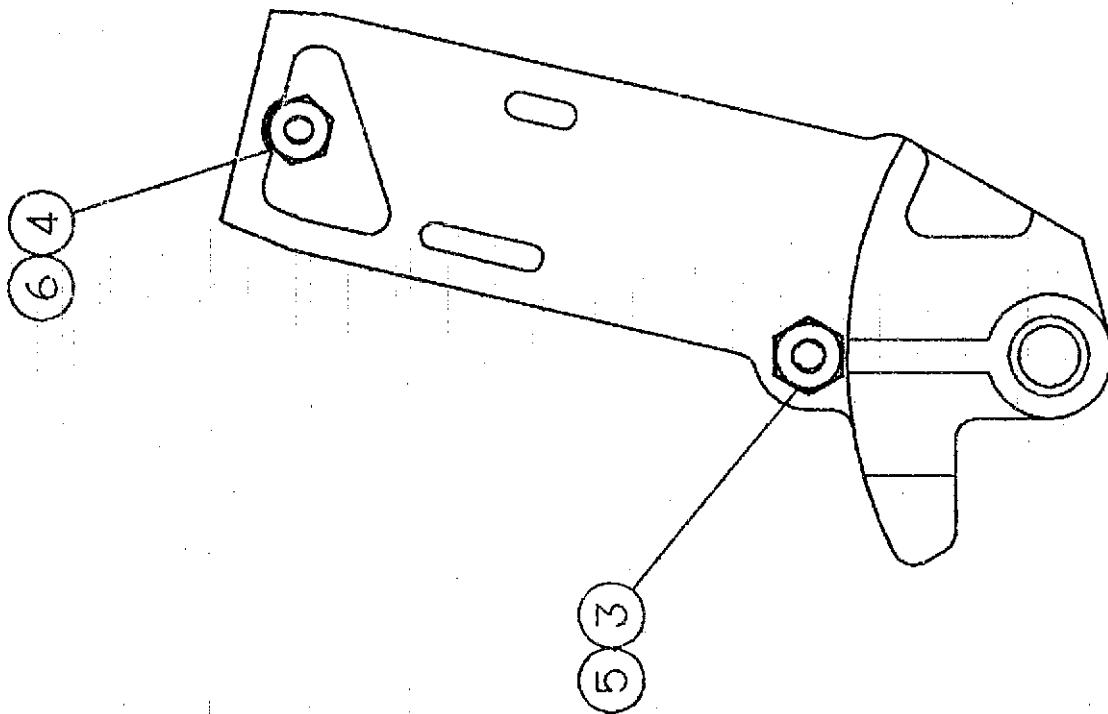
Contact Finger Assembly



Contact Finger Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3696	16	Finger	4	306-3844-01	1	Divider, Contact
2	802-0045	2	Screw, Cap - Socket Head (1/4-20 x 5/8")	5	306-3692	8	Spring, Contact
3	306-3959	1	Retainer, Finger	6	306-3960	2	Retainer, Spring
				7	850-0040	2	Washer, Lock (1/4")

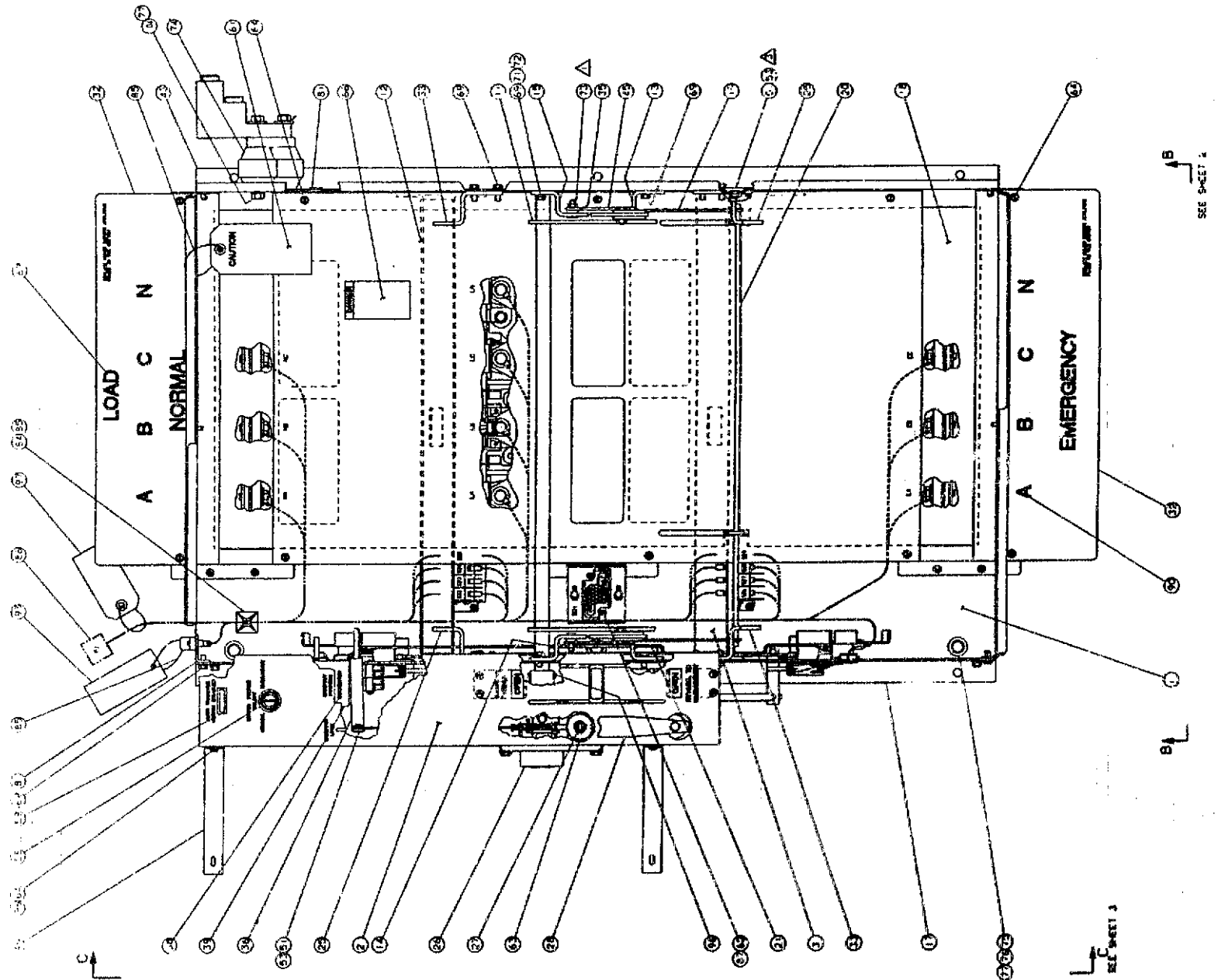
Handle Assembly



Handle Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3764	1	Handle, Switch - Right Hand	4	812-0087	1	Screw, Machine - Round Head (#8-32 x 1-1/2")
2	306-3765	1	Handle, Switch - Left Hand	5	870-0298	1	Nut, Self-Locking (#10-32)
3	813-0110	1	Screw, Machine - Round Head (#10-32 x 2")	6	870-0235	1	Nut, Self-Locking (#8-32)

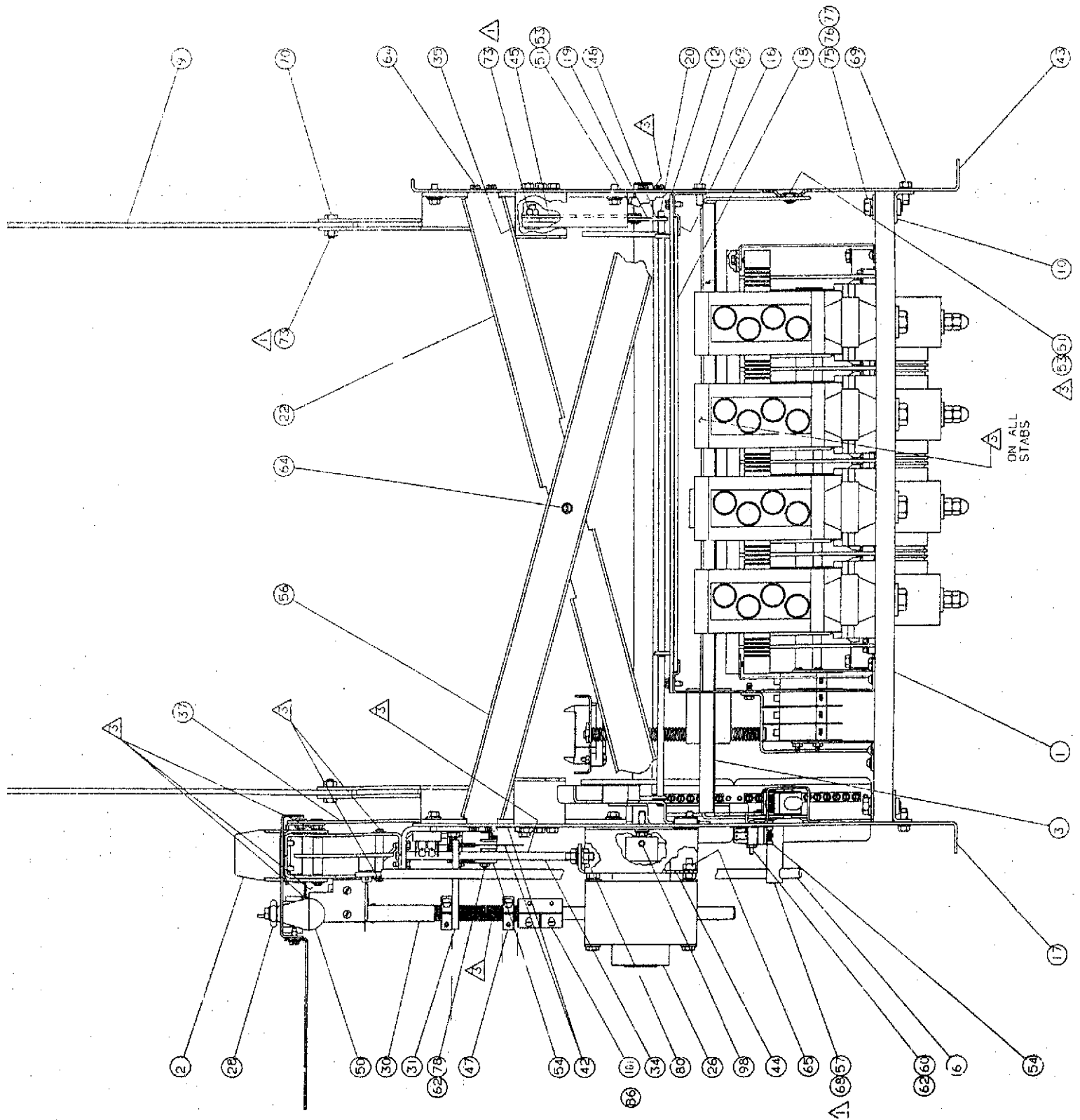
Bypass Frame Assembly



Bypass Frame Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Switch Assy. Bypass (See Separate Page For Components)	56	306-3906-01	2	Bracket, Support
	306-3871	1	Front Connect	57	516-0235	2	Pin, Clevis
	306-3872	1	3 Pole	58	308-0957	1	Switch, Selector
			4 Pole	59	322-0137	1	Light, Indicating
	306-3873	1	Rear Connect	60	812-0058	4	Screw, Round Head (#6-32 x 1")
	306-3874	1	3 Pole	61	98-6383	1	Tag, Caution
2	306-3866	1	4 Pole	62	870-0183	8	Nut, Lock - Hex with Extern. Tooth (#6-32")
			Operator Assy. Bypass (See Separate Page For Components)	63	815-0157	2	Screw, Set (#10-32 x 1/4")
3	306-3810-01	2	Bracket, Actuator	64	815-0652	30	Screw, Slotted - Hex Head (#10-32 x 1/2")
4	306-3638	2	Guide, Plunger	65	870-0212	4	Nut, Lock - Flanged (1/4-20)
5	306-3636	2	Plunger, Nylon	66	98-5387	1	Label, Danger
6	306-3831-01	2	Rod, Actuator	67	870-0188	2	Nut, Lock (#10-32)
7	306-3650	2	Spring, Contact	68	870-0049	2	Nut, Lock (5/16-18)
8	306-3662	1	Bracket, Block - Terminal	69	815-0230	50	Screw, Cap - Hex Head (1/4-20 x 3/8")
9	306-3665	2	Rail, Pivoting	70	800-0005	3	Screw, Cap - Hex Head (1/4-20 x 3/4")
10	306-3811-01	2	Bracket, Mounting - Base	71	850-0040	7	Washer, Lock (1/4")
11	306-3829-01	1	Arm	72	526-0018	10	Washer, Flat (1/4")
12	306-3801	1	Cover, Shutter	73	870-0065	8	Nut, Lock (1/4-20)
13	306-3824-01	1	Rail, Lower - Right Hand	74			Bus Bar Assembly, Neutral (Separate Page For Components)
14	306-3821-01	1	Rail, Upper - Left Hand		337-2541	1	600 Amp Units
15	306-3820-01	1	Rail, Upper - Right Hand		337-2562	1	800-1000 Amp Units
16	306-3800-01	1	Bracket, Shutter				Self-Tapping (1/4-20 x 1/2)
17	306-3813-01	1	Support, Weldment - Left Hand	75	800-0051	6	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
18	306-3819	1	Cover, Moveable	76	526-0029	6	Washer, Flat (3/8")
19	306-3685	2	Link, Shutter	77	850-0050	9	Washer, Lock (3/8")
20	306-3900-01	1	Rod, Shutter	78	812-0072	2	Screw, Round Head (#6-32 x 1-3/4")
21	306-3825-01	1	Rail, Lower - Left Hand	79	815-0651	4	Screw, Machine - Round Head (Special) (#6-32 x 3/4")
22	306-3907-01	2	Bracket, Support	80	870-0257	2	Nut, Lock - Flanged (5/16-1)
23	306-3987-01	2	Bar, Interlock	81	508-0195	1	Bushing, Snap (3 Pole Front Connect Units Only)
24	306-3985-01	1	Bracket, Stop	82	516-0042	2	Pin, Cotter
25	306-3860-01	2	Bracket, Trip	83	305-0653	1	Rectifier, Bridge
26	306-3842	1	Reducer, Speed	84	332-2420	6	Mount, Tie - Cable
27	306-3731	1	Shaft, Drawout	85	332-0941	8	Tie, Cable
28	306-3732	1	Lever, Crank	86	338-2750	1	Harness, Frame - Bypass
29	306-3733	1	Spacer, Handle	87	815-0795	2	Screw, Shoulder (#6-32)
30	306-3845-01	1	Shaft, Threaded	88	98-6352	1	Label, Position - Switch
31	306-3923	1	Guide, Stop	89	98-6442	1	Decal, Cover - Lug
32	306-3854	2	Cover, Lug	90	98-6443	1	Decal, Cover - Lug
33	306-3895-01	2	Bracket, Cover - Lug	91	332-3091	1	Strip, Marker
34	306-3740	1	Pin, Guide	92	332-3092	1	Strip, Marker
35	306-3750	2	Spacer, Shutter	93	98-6107	1	Label, Caution - Jumper
36	306-3931	1	Lever, Plunger	94	332-2605	2	Jumper, Terminal
37	306-3776	1	Arm, Indicator	95	815-0447	1	Screw, Round Head - Cross-Recessed w/Internal Teeth (#8-32 x 3/4")
38	306-3918	1	Collar, Locking	96	526-0012	2	Washer, Flat (#10)
39	306-3778	1	Plate, Indicator	97	98-5589	1	Tag, Caution
40	332-3059	1	Block, Terminal	98	516-0104	1	Pin, Roll (1/4 x 1-1/2")
41	332-2832	1	Block, Terminal	101	306-3965	1	Coupling, Reducer - Speed
42	306-1987	4	Barrier, Switch	103	524-0659	1	Lubricant, Contact
43	306-3814-01	1	Support, Side - Right Hand	104	800-0048	3	Screw, Cap - Hex Head (3/8-16 x 3/4")
44	306-3841	1	Bracket, Reducer - Speed	105	306-3986-01	1	Bracket, Stop - Right Hand
45	306-3684	2	Link, Drive				
46	306-3875-01	2	Bracket, Panel - Control				
47	306-3734	2	Collar, Threaded (.62)				
48	870-0469	4	Pushnut				
49	508-0253	2	Bushing				
50	406-0714	1	Knob, Ball				
51	516-0233	11	Pin, Clevis				
52	516-0234	2	Pin, Clevis				
53	518-0115	13	Ring				
54	309-0611	4	Switch, Action - Snap				
55	516-0202	2	Pin, Spring (1/3 x 1")				

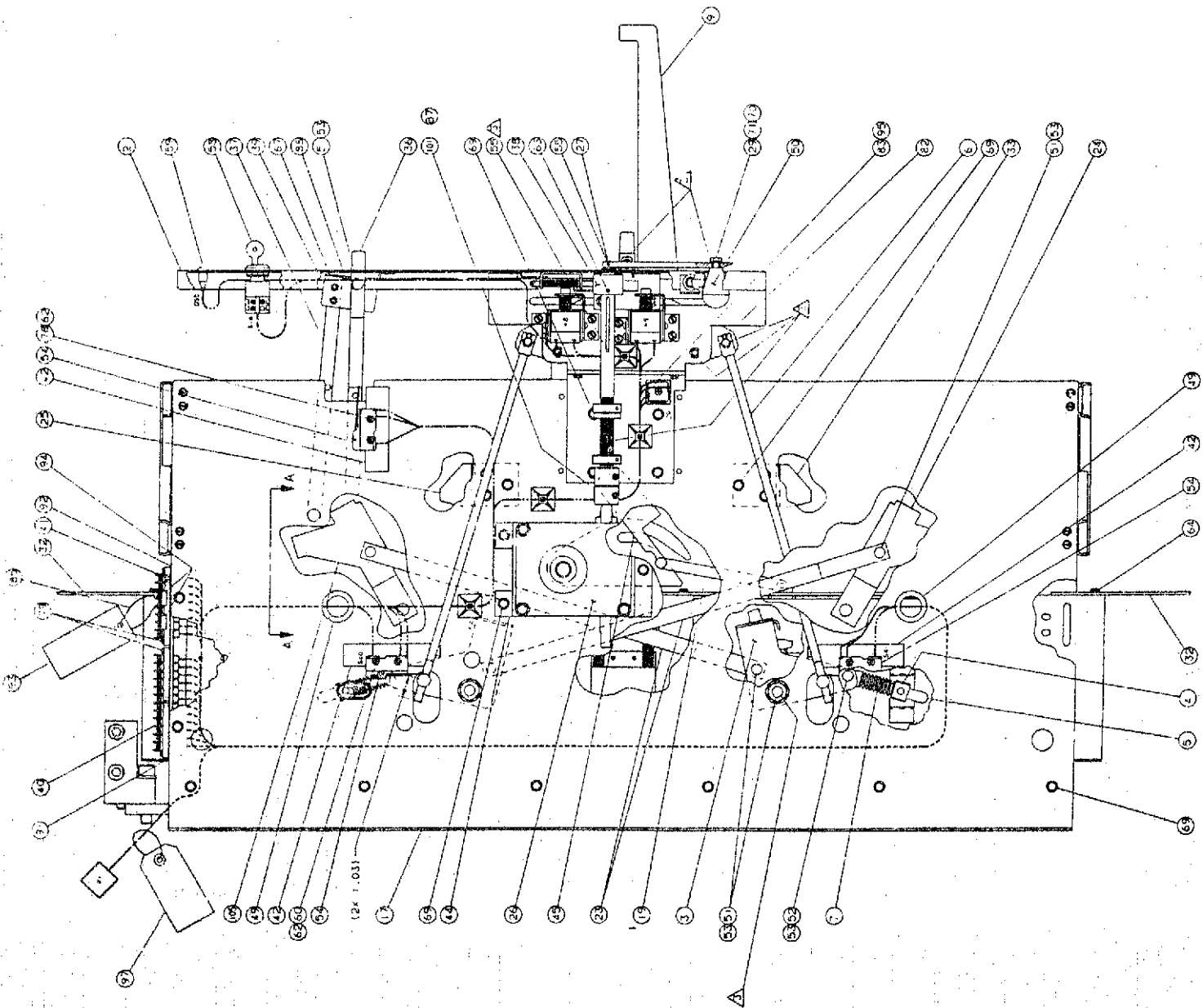
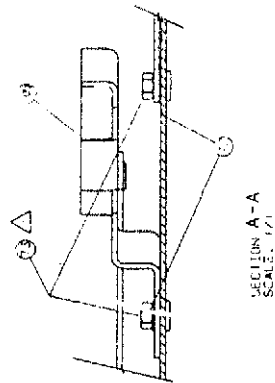
Bypass Frame Assembly



Bypass Frame Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Switch Assy, Bypass (See Separate Page For Components)	56	306-3906-01	2	Bracket, Support
	306-3871	1	Front Connect	57	516-0235	2	Pin, Clevis
	306-3872	1	3 Pole	58	308-0957	1	Switch, Selector
			4 Pole	59	322-0137	1	Light, Indicating
			Rear Connect	60	812-0068	4	Screw, Round Head (#6-32 x 1")
	306-3873	1	3 Pole	61	98-6383	1	Tag, Caution
	306-3874	1	4 Pole	62	870-0183	8	Nut, Lock - Hex with External Tooth (#6-32")
2	306-3866	1	Operator Assy, Bypass (See Separate Page For Components)	63	815-0157	2	Screw, Set (#10-32 x 1/4")
3	306-3810-01	2	Bracket, Actuator	64	815-0652	30	Screw, Slotted - Hex Head (#10-32 x 1/2")
4	306-3638	2	Guide, Plunger	65	870-0212	4	Nut, Lock - Flanged (1/4-20)
5	306-3636	2	Plunger, Nylon	66	98-5387	1	Label, Danger
6	306-3831-01	2	Rod, Actuator	67	870-0188	2	Nut, Lock (#10-32)
7	306-3650	2	Spring, Contact	68	870-0048	2	Nut, Lock (5/16-18)
8	306-3662	1	Bracket, Block - Terminal	69	815-0290	50	Screw, Cap - Hex Head (1/4-20 x 5/8")
9	306-3665	2	Rail, Pivoting	70	800-0005	3	Screw, Cap - Hex Head (1/4-20 x 3/4")
10	306-3811-01	2	Bracket, Mounting - Base	71	850-0040	7	Washer, Lock (1/4")
11	306-3829-01	1	Arm	72	526-0018	10	Washer, Flat (1/4")
12	306-3801	1	Cover, Shutter	73	870-0065	8	Nut, Lock (1/4-20)
13	306-3824-01	1	Rail, Lower - Right Hand	74			Bus Bar Assembly, Neutral (See Separate Page For Components)
14	306-3821-01	1	Rail, Upper - Left Hand		337-2541	1	600 Amp Units
15	306-3820-01	1	Rail, Upper - Right Hand		337-2562	1	800-1000 Amp Units
16	306-3800-01	1	Bracket, Shutter				Self-Tapping (1/4-20 x 1/2")
17	306-3813-01	1	Support, Weldment - Left Hand	75	800-0051	6	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
18	306-3819	1	Cover, Moveable	76	526-0029	6	Washer, Flat (3/8")
19	306-3685	2	Link, Shutter	77	850-0050	9	Washer, Lock (3/8")
20	306-3900-01	1	Rod, Shutter	78	812-0072	2	Screw, Round Head (#6-32 x 1-3/4")
21	306-3825-01	1	Rail, Lower - Left Hand	79	815-0651	4	Screw, Machine - Round Head (Special) (#6-32 x 3/4")
22	306-3907-01	2	Bracket, Support	80	870-0257	2	Nut, Lock - Flanged (5/16-18)
23	306-3987-01	2	Bar, Interlock	81	508-0195	1	Bushing, Snap (3 Pole Front Connect Units Only)
24	306-3985-01	1	Bracket, Stop	82	516-0042	2	Pin, Cotter
25	306-3860-01	2	Bracket, Trip	83	305-0653	1	Rectifier, Bridge
26	306-3842	1	Reducer, Speed	84	332-2420	6	Mount, Tie - Cable
27	306-3731	1	Shaft, Drawout	85	332-0941	8	Tie, Cable
28	306-3732	1	Lever, Crank	86	338-2750	1	Harness, Frame - Bypass
29	306-3733	1	Spacer, Handle	87	815-0795	2	Screw, Shoulder (#6-32)
30	306-3845-01	1	Shaft, Threaded	88	98-6352	1	Label, Position - Switch
31	306-3923	1	Guide, Stop	89	98-6442	1	Decal, Cover - Lug
32	306-3854	2	Cover, Lug	90	98-6443	1	Decal, Cover - Lug
33	306-3895-01	2	Bracket, Cover - Lug	91	332-3091	1	Strip, Marker
34	306-3740	1	Pin, Guide	92	332-3092	1	Strip, Marker
35	306-3750	2	Spacer, Shutter	93	98-6107	1	Label, Caution - Jumper
36	306-3931	1	Lever, Plunger	94	332-2605	2	Jumper, Terminal
37	306-3776	1	Arm, Indicator	95	815-0447	1	Screw, Round Head - Cross-Recessed w/Internal Teeth (#8-32 x 3/4")
38	306-3918	1	Collar, Locking	96	526-0012	2	Washer, Flat (#10)
39	306-3778	1	Plate, Indicator	97	98-5589	1	Tag, Caution
40	332-3059	1	Block, Terminal	98	516-0104	1	Pin, Roll (1/4 x 1-1/2")
41	332-2832	1	Block, Terminal	101	306-3965	1	Coupling, Reducer - Speed
42	306-1987	4	Barrier, Switch	103	524-0659	1	Lubricant, Contact
43	306-3814-01	1	Support, Side - Right Hand	104	800-0048	3	Screw, Cap - Hex Head (3/8-16 x 3/4")
44	306-3841	1	Bracket, Reducer - Speed	105	306-3986-01	1	Bracket, Stop - Right Hand
45	306-3684	2	Link, Drive				
46	306-3875-01	2	Bracket, Panel - Control				
47	306-3734	2	Collar, Threaded (.62)				
48	870-0469	4	Pushnut				
49	508-0253	2	Bushing				
50	406-0714	1	Knob, Ball				
51	516-0233	11	Pin, Clevis				
52	516-0234	2	Pin, Clevis				
53	518-0115	13	Ring				
54	309-0611	4	Switch, Action - Snap				
55	516-0202	2	Pin, Spring (1/8 x 1")				

Bypass Frame Assembly

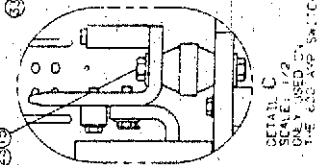
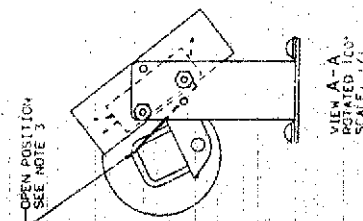
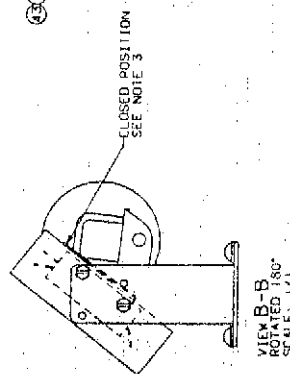
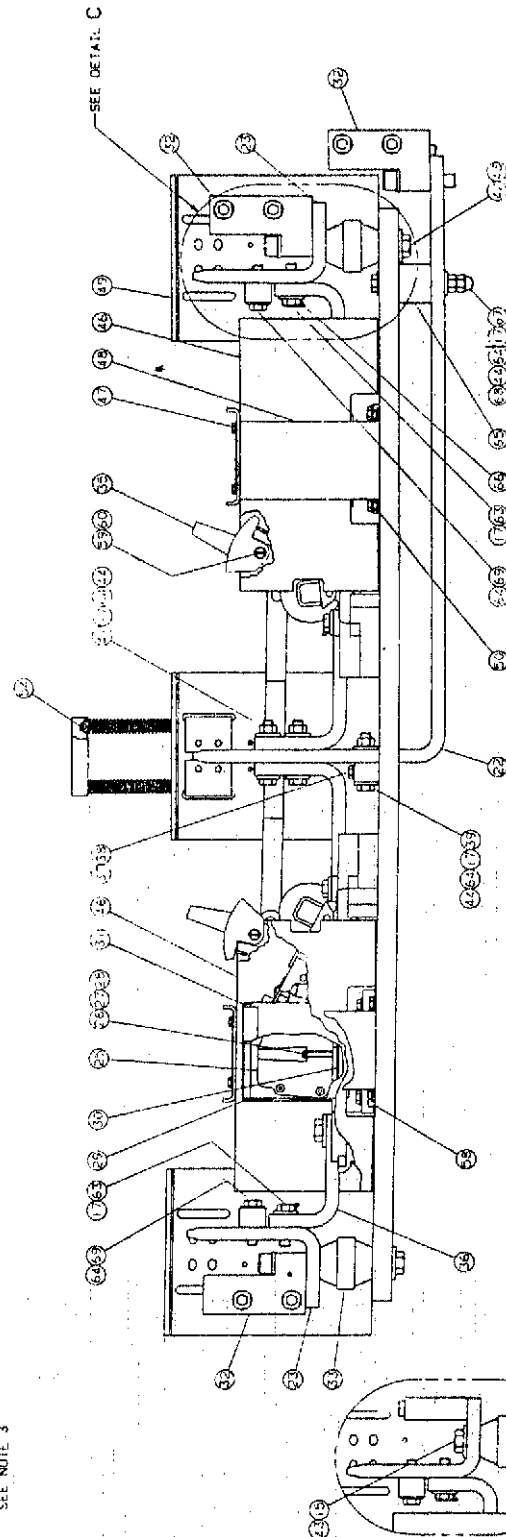
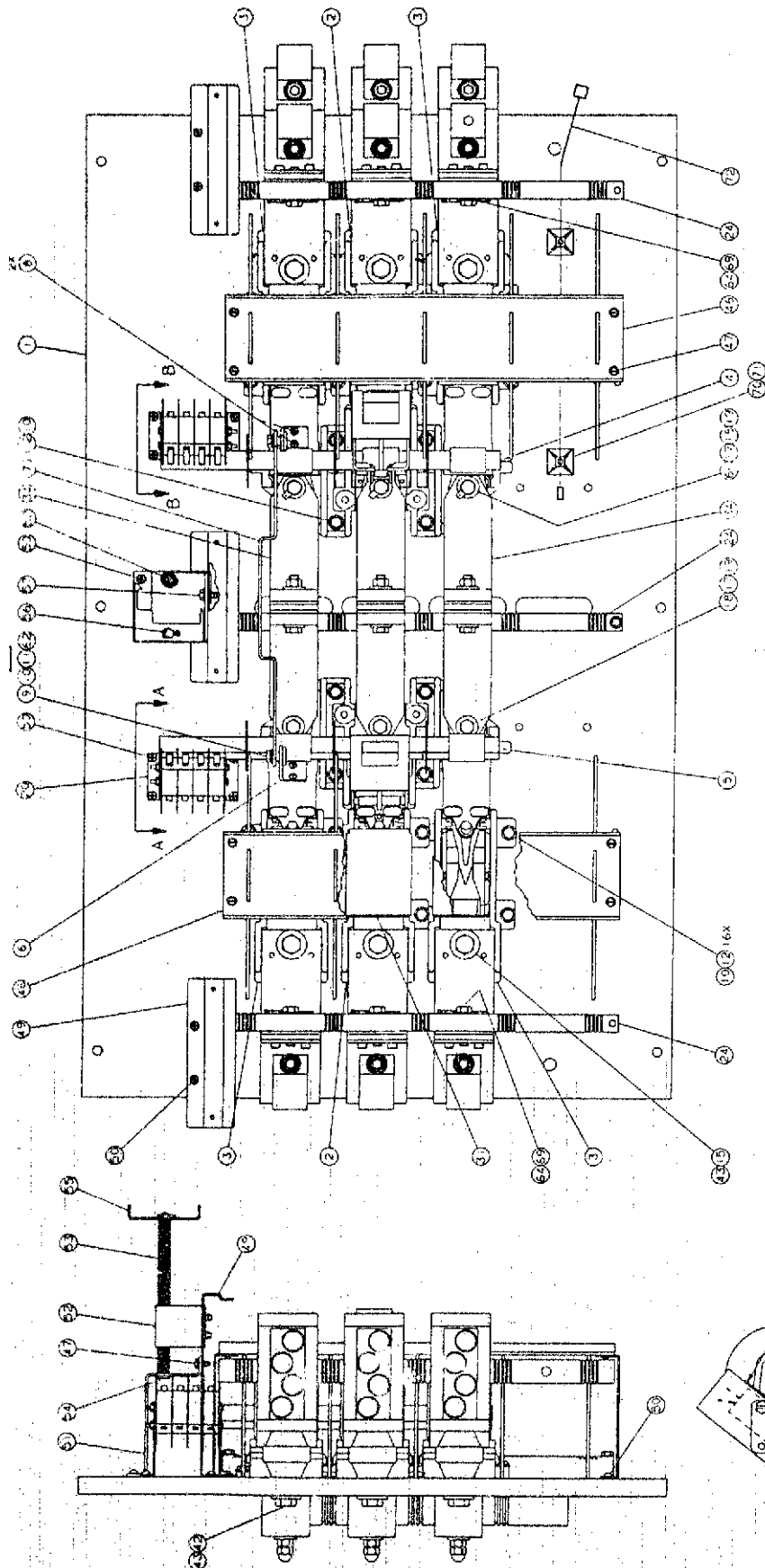


VIEW C-C
SEE SHEET 1

Bypass Frame Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Switch Assy, Bypass (See Separate Page For Components)	56	306-3906-01	2	Bracket, Support
	306-3871	1	Front Connect	57	516-0235	2	Pin, Clevis
	306-3872	1	3 Pole	58	308-0957	1	Switch, Selector
			4 Pole	59	322-0137	1	Light, Indicating
	306-3873	1	Rear Connect	60	812-0068	4	Screw, Round Head (#6-32 x 1")
	306-3874	1	3 Pole	61	98-6383	1	Tag, Caution
			4 Pole	62	870-0183	8	Nut, Lock - Hex with External Tooth (#6-32")
2	306-3866	1	Operator Assy, Bypass (See Separate Page For Components)	63	815-0157	2	Screw, Set (#10-32 x 1/4")
3	306-3810-01	2	Bracket, Actuator	64	815-0652	30	Screw, Slotted - Hex Head (#10-32 x 1/2")
4	306-3638	2	Guide, Plunger	65	870-0212	4	Nut, Lock - Flanged (1/4-20)
5	306-3636	2	Plunger, Nylon	66	98-5387	1	Label, Danger
6	306-3831-01	2	Rod, Actuator	67	870-0188	2	Nut, Lock (#10-32)
7	306-3650	2	Spring, Contact	68	870-0048	2	Nut, Lock (5/16-18)
8	306-3662	1	Bracket, Block - Terminal	69	815-0290	50	Screw, Cap - Hex Head (1/4-20 x 5/8")
9	306-3665	2	Rail, Pivoting	70	800-0005	3	Screw, Cap - Hex Head (1/4-20 x 3/4")
10	306-3811-01	2	Bracket, Mounting - Base	71	850-0040	7	Washer, Lock (1/4")
11	306-3829-01	1	Arm	72	526-0018	10	Washer, Flat (1/4")
12	306-3801	1	Cover, Shutter	73	870-0065	8	Nut, Lock (1/4-20)
13	306-3824-01	1	Rail, Lower - Right Hand	74			Bus Bar Assembly, Neutral (See Separate Page For Components)
14	306-3821-01	1	Rail, Upper - Left Hand		337-2541	1	600 Amp Units
15	306-3820-01	1	Rail, Upper - Right Hand		337-2562	1	800-1000 Amp Units
16	306-3800-01	1	Bracket, Shutter	75	800-0051	6	Self-Tapping (1/4-20 x 1/2)
17	306-3813-01	1	Support, Weldment - Left Hand	76	526-0029	6	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
18	306-3819	1	Cover, Moveable	77	850-0050	9	Washer, Flat (3/8")
19	306-3685	2	Link, Shutter	78	812-0072	2	Washer, Lock (3/8")
20	306-3900-01	1	Rod, Shutter	79	815-0651	4	Screw, Round Head (#6-32 x 1-3/4")
21	306-3825-01	1	Rail, Lower - Left Hand	80	870-0257	2	Screw, Machine - Round Head (Special) (#6-32 x 3/4")
22	306-3907-01	2	Bracket, Support	81	508-0195	1	Nut, Lock - Flanged (5/16-18)
23	306-3987-01	2	Bar, Interlock	82	516-0042	2	Bushing, Snap (3 Pole Front Connect Units Only)
24	306-3985-01	1	Bracket, Stop	83	305-0653	2	Pin, Cotter
25	306-3860-01	2	Bracket, Trip	84	332-2420	1	Rectifier, Bridge
26	306-3842	1	Reducer, Speed	85	332-0941	6	Mount, Tie - Cable
27	306-3731	1	Shaft, Drawout	86	338-2750	8	Tie, Cable
28	306-3732	1	Lever, Crank	87	815-0795	1	Harness, Frame - Bypass
29	306-3733	1	Spacer, Handle	88	98-6352	2	Screw, Shoulder (#6-32)
30	306-3845-01	1	Shaft, Threaded	89	98-6442	1	Label, Position - Switch
31	306-3923	1	Guide, Stop	90	98-6443	1	Decal, Cover - Lug
32	306-3854	2	Cover, Lug	91	332-3091	1	Decal, Cover - Lug
33	306-3895-01	2	Bracket, Cover - Lug	92	332-3092	1	Strip, Marker
34	306-3740	1	Pin, Guide	93	98-6107	1	Strip, Marker
35	306-3750	2	Spacer, Shutter	94	332-2605	1	Label, Caution - Jumper
36	306-3931	1	Lever, Plunger	95	815-0447	2	Jumper, Terminal
37	306-3776	1	Arm, Indicator			1	Screw, Round Head - Cross-Recessed w/Internal Teeth (#8-32 x 3/4")
38	306-3918	1	Collar, Locking	96	526-0012	2	Washer, Flat (#10)
39	306-3778	1	Plate, Indicator	97	98-5589	1	Tag, Caution
40	332-3059	1	Block, Terminal	98	516-0104	1	Pin, Roll (1/4 x 1-1/2")
41	332-2832	1	Block, Terminal	101	306-3965	1	Coupling, Reducer - Speed
42	306-1987	4	Barrier, Switch	103	524-0659	1	Lubricant, Contact
43	306-3814-01	1	Support, Side - Right Hand	104	800-0048	3	Screw, Cap - Hex Head (3/8-16 x 3/4")
44	306-3841	1	Bracket, Reducer - Speed	105	306-3986-01	1	Bracket, Stop - Right Hand
45	306-3684	2	Link, Drive				
46	306-3875-01	2	Bracket, Panel - Control				
47	306-3734	2	Collar, Threaded (.62)				
48	870-0469	4	Pushnut				
49	508-0253	2	Bushing				
50	406-0714	1	Knob, Ball				
51	516-0233	11	Pin, Clevis				
52	516-0234	2	Pin, Clevis				
53	518-0115	13	Ring				
54	309-0611	4	Switch, Action - Snap				
55	516-0202	2	Pin, Spring (1/8 x 1")				

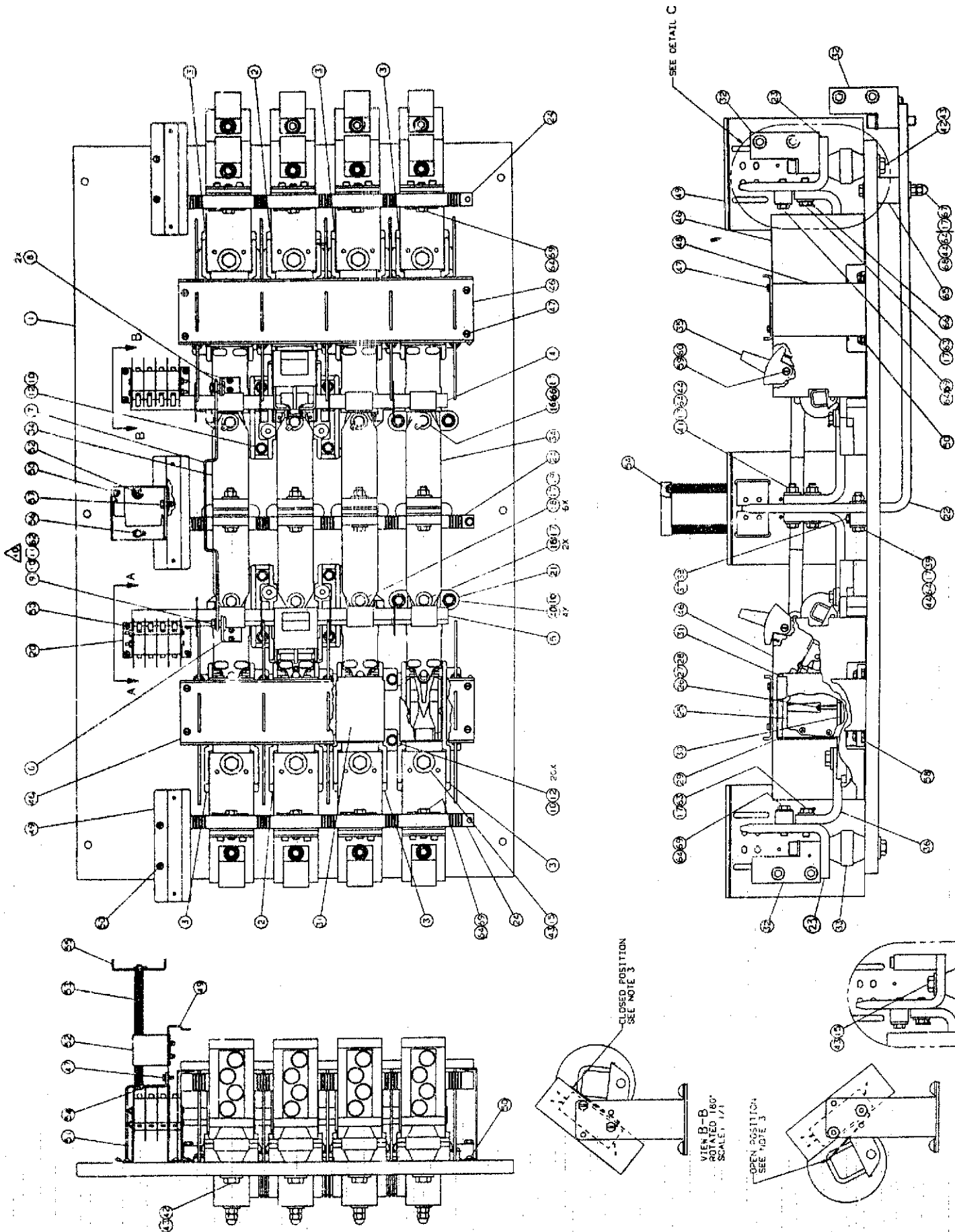
Bypass Switch Assembly Front Connect 3 Pole



Bypass Switch Assembly Front Connect 3 Pole

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3798	1	Base, Insert	33	332-2744-06	6	Standoff, Insulator
2	306-3453-01	2	Block Assembly, Strap - Line (Outer)	34	337-2504-01	6	Strap, Jumper
3	306-3453-02	4	Block Assembly, Strap - Line (Inner)	35	306-3763	2	Handle, Acuator
4	306-3431-01	1	Contact Assembly, Normal	36	337-2506-01	6	Strap, Normal/Emergency
5	306-3431-02	1	Contact Assembly, Emergency	37	851-0027	2	Washer, Spring - Conical (1, (1/4-20 x 2"))
6	306-0508	2	Interlock Assembly, Arm	38	800-0011	2	Screw, Cap - Hex Head (3/8-16 x 2")
7	306-3855-01	1	Bar, Interlock	39	800-0054	3	Screw, Cap - Hex Head (1/2-13 x 1-1/2")
8	815-0446	4	Screw, Round Head - Cross-Recessed w/Internal Tooth (#8-32 x 1/2")	41	800-0055	6	Screw, Cap - Hex Head (3/8-16 x 2-1/4")
9	800-0003	2	Screw, Cap - Hex Head (1/4-20 x 1/2")	42	800-0092	6	Screw, Cap - Hex Head (1/2-13 x 1-1/2")
10	526-0018	26	Washer, Flat (1/4")	43	851-0023	12	Washer, Spring - Conical (1, Nut, Hex (3/8"))
11	850-0040	2	Washer, Lock (1/4")	44	862-0003	12	Nut, Hex (3/8")
12	800-0008	30	Screw, Cap - Hex Head (1/4-20 x 1-1/4")	46	306-3804	2	Cover, Normal/Emergency
15	800-0091	12	Screw, Cap - Hex Head (1/2-13 x 1-1/4")	47	815-0652	10	Screw, Slotted Thread Rolli Hex Head (#10-32 x 1/2")
17	851-0022	24	Washer, Spring - Conical (3/8")	48	306-3802-01	4	Bracket, Cover
18	800-0053	6	Screw, Cap - Hex Head (3/8-16 x 1-3/4")	49	306-3799-01	3	Bracket, Shutter
19	306-1398	6	Bushing	50	815-0449	22	Screw, Pan Round Head - Cro Recessed (#10-32 x 3/4")
20	306-3436	2	Switch Assembly, Auxiliary (See Separate Page For Components)	51	306-3826-01	1	Bracket, Base - Secdisc
22	337-2502-01	3	Bar, Bus - Load	52	306-3753	2	Bracket, Support - Spring
23	337-2503-01	6	Stab, Normal/Emergency	53	306-3713	2	Spring, Secdisc
24	306-3805	3	Bar, Support	54	516-0238	2	Pin, Clevis - Secdisc
25	306-0320	6	Chute, Arc	55	306-3717	1	Bracket, Plug - Secdisc
26	812-0087	12	Screw, Machine - Round Head (#8-32 x 1-1/2")	56	516-0040	2	Pin, Cotter (3/32 x 1")
27	850-0025	12	Washer, Lock (#8)	57	815-0261	4	Screw, Hex Washer Head - Thread Forming (1/4-20 x 1/2")
28	526-0003	12	Washer, Flat (#8)	58	166-0122	4	Spacer, Screw - Mounting
29	306-0669	6	Barrier, Chute - Arc	59	815-0485	4	Screw, Shoulder (#10-32)
30	306-0668	12	Spacer, Chute - Arc	60	850-0030	4	Washer, Lock (#10)
31	306-1041	6	Barrier, Chute - Arc	63	800-0051	18	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
32			Lug, Solderless 600 Amp	64	526-0029	18	Washer, Flat (3/8")
	332-2660	12	Lug, Solderless	65	306-3760	1	Bar, Support - Load
	822-0084	12	Screw, Machine - Pan Head (1/4-20 x 1/2")	66	332-2564	9	Terminal, Ring (3/8")
	822-0091	12	Screw, Machine - Pan Head (1/4-20 x 1-1/2")	67	800-0059	3	Screw, Cap - Hex Head (3/8-16 x 3-1/4")
	850-0039	24	Washer, Lock (1/4")	68	870-0495	3	Nut, Acorn - Nylon
			800/1000 Amp	69	800-0052	6	Screw, Cap - Hex Head (3/8-16 x 1-1/2")
	332-2736	9	Lug, Solderless	70	332-2420	2	Mount, Tie - Cable
	815-0799-01	9	Screw, Cap - Socket Head (1/2-13 x 2-1/4")	71	332-0941	2	Tie, Cable
	850-0060	9	Washer, Lock (1/2")				
	332-1557	3	Lug, Neutral				
	800-0053	3	Screw, Cap - Hex Head (3/8-16 x 1-3/4")				
	862-0003	3	Nut, Hex (3/8")				
	851-0022	3	Washer, Spring - Conical				

Bypass Switch Assembly Front Connect 4 Pole



CLOSED POSITION
SEE NOTE 3

VIEW B-B
ROTATED 180°
SCALE: 1/1

OPEN POSITION
SEE NOTE 3

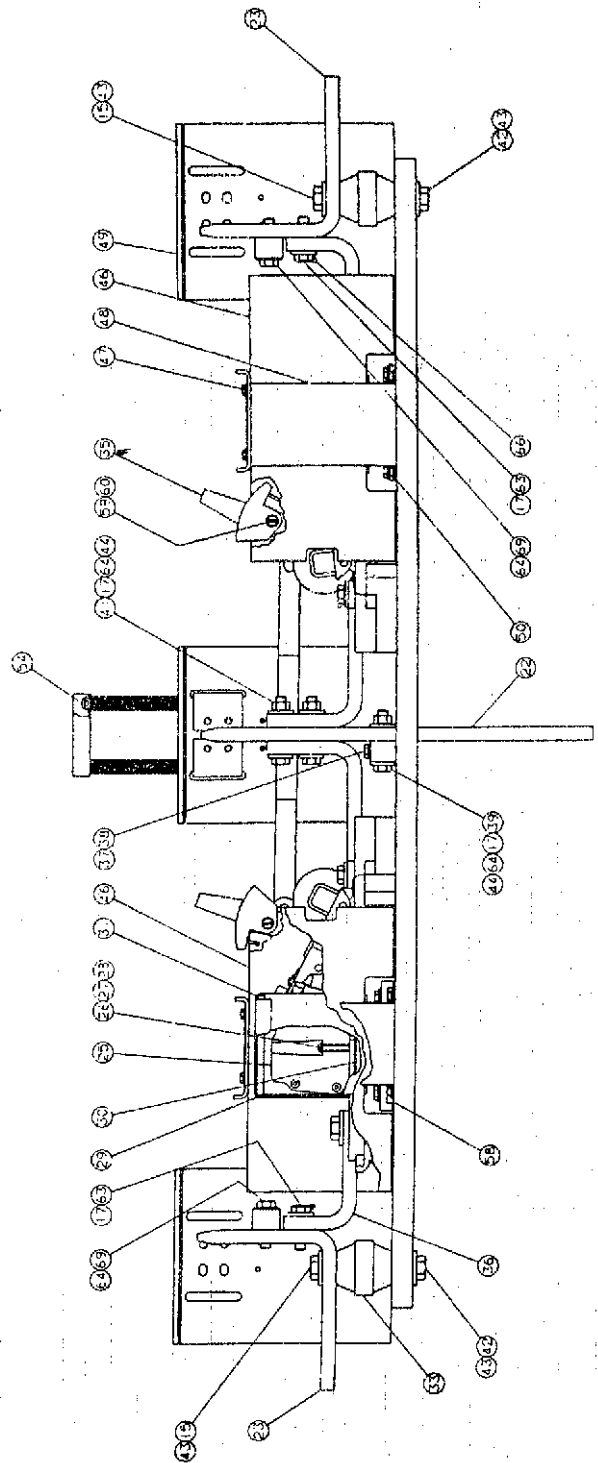
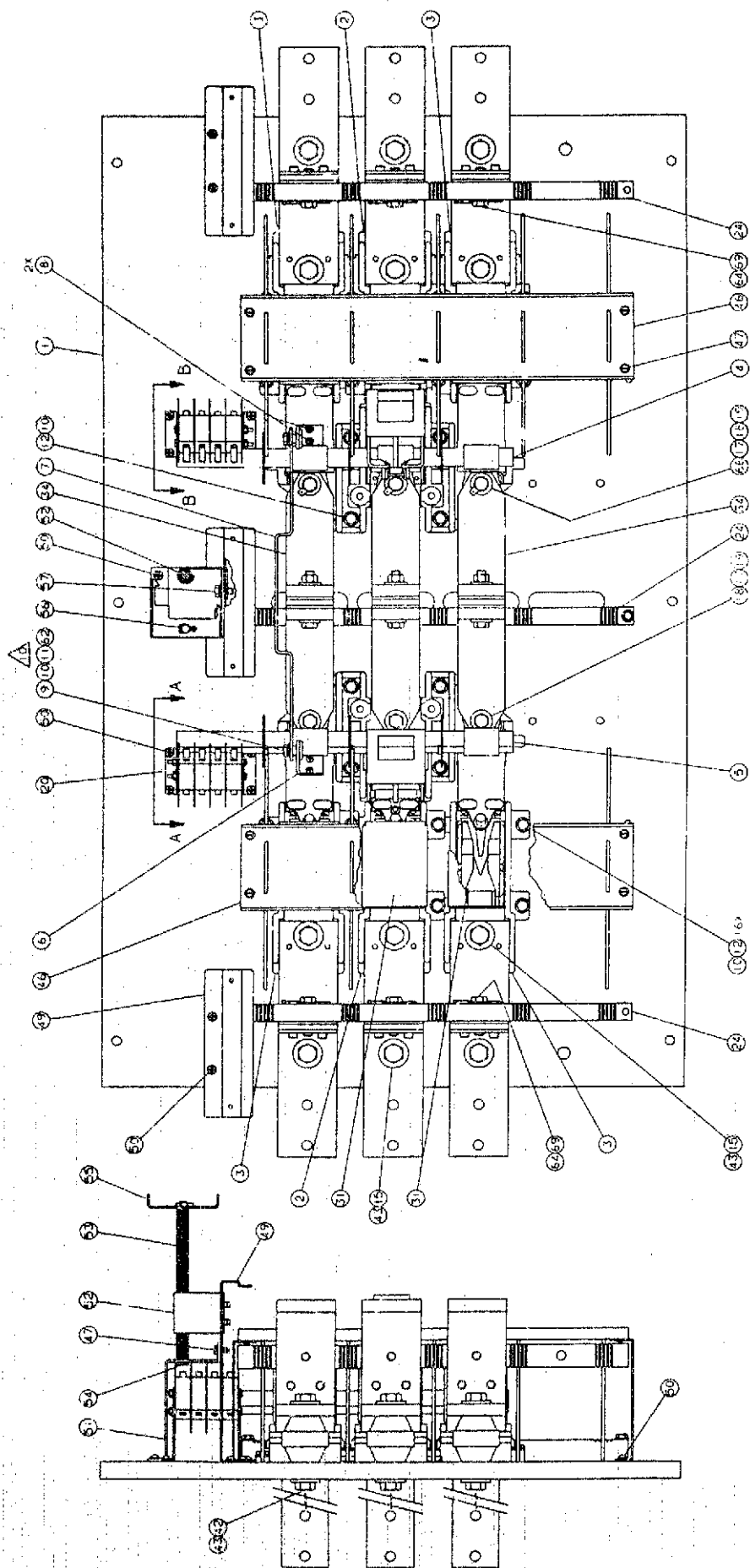
VIEW A-A
ROTATED 180°
SCALE: 1/1

DETAIL C
SCALE: 1/1

Bypass Switch Assembly Front Connect 4 Pole

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3798	1	Base, Insert	33	332-2744-06	8	Standoff, Insulator
2	306-3453-01	2	Block Assembly, Strap - Line (Outer)	34	337-2504-01	8	Strap, Jumper
3	306-3453-02	6	Block Assembly, Strap - Line (Inner)	35	306-3763	2	Handle, Acuator
4	306-3431-01	1	Contact Assembly, Normal	36	337-2506-01	8	Strap, Normal/Emergency
5	306-3431-02	1	Contact Assembly, Emergency	37	851-0027	2	Washer, Spring - Conical (1/4-20 x 2")
6	306-0508	2	Interlock Assembly, Arm	38	800-0011	2	Screw, Cap - Hex Head (1/4-20 x 2")
7	306-3855-01	1	Bar, Interlock	39	800-0054	4	Screw, Cap - Hex Head (3/8-16 x 2")
8	815-0446	4	Screw, Round Head - Cross-Recessed w/Internal Tooth (#8-32 x 1/2")	40	800-0007	4	Screw, Cap - Hex Head (1/4-20 x 1")
9	800-0003	2	Screw, Cap - Hex Head (1/4-20 x 1/2")	41	800-0055	8	Screw, Cap - Hex Head (3/8-16 x 2-1/4")
10	526-0018	34	Washer, Flat (1/4")	42	800-0092	8	Screw, Cap - Hex Head (1/2-13 x 1-1/2")
11	850-0040	2	Washer, Lock (1/4")	43	851-0023	16	Washer, Spring - Conical (1/4-20 x 1")
12	800-0008	28	Screw, Cap - Hex Head (1/4-20 x 1-1/4")	44	862-0003	12	Nut, Hex (3/8")
15	800-0091	16	Screw, Cap - Hex Head (1/2-13 x 1-1/4")	46	306-3804	2	Cover, Normal/Emergency
16	800-0050	2	Screw, Cap - Hex Head (3/8-16 x 1")	47	815-0652	10	Screw, Slotted Thread Rollir Hex Head (#10-32 x 1/2")
17	851-0022	40	Washer, Spring - Conical (3/8")	48	306-3802-01	4	Bracket, Cover
18	800-0053	6	Screw, Cap - Hex Head (3/8-16 x 1-3/4")	49	306-3799-01	3	Bracket, Shutter
19	306-1398	6	Bushing	50	815-0449	22	Screw, Pan Round Head - Cross-Recessed (#10-32 x 3/4")
20	306-3436	2	Switch Assembly, Auxiliary (See Separate Page For Components)	51	306-3826-01	1	Bracket, Base - Secdisc
21	306-3449	2	Block, Mounting - Jumper	52	306-3753	2	Bracket, Support - Spring
22	337-2502-01	4	Bar, Bus - Load	53	306-3713	2	Spring, Secdisc
23	337-2503-01	8	Stab, Normal/Emergency	54	516-0238	2	Pin, Clevis - Secdisc
24	306-3805	3	Bar, Support	55	306-3717	1	Bracket, Plug - Secdisc
25	306-0320	8	Chute, Arc	56	516-0040	2	Pin, Cotter (3/32 x 1")
26	812-0087	16	Screw, Machine - Round Head (#8-32 x 1-1/2")	57	815-0261	4	Screw, Hex Washer Head - Thread Forming (1/4-20 x 1/2")
27	850-0025	16	Washer, Lock (#8)	58	166-0122	4	Spacer, Screw - Mounting
28	526-0003	16	Washer, Flat (#8)	59	815-0485	4	Screw, Shoulder (#10-32)
29	306-0669	8	Barrier, Chute - Arc	60	850-0030	4	Washer, Lock (#10)
30	306-0668	16	Spacer, Chute - Arc	63	800-0051	16	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
31	306-1041	8	Barrier, Chute - Arc	64	526-0029	24	Washer, Flat (3/8")
32			Lug, Solderless 600 Amp	65	306-3760	1	Bar, Support - Load
	332-2660	12	Lug, Solderless	66	332-2564	10	Terminal, Ring (3/8")
	822-0084	12	Screw, Machine - Pan Head (1/4-20 x 1/2")	67	800-0059	4	Screw, Cap - Hex Head (3/8-16 x 3-1/4")
	822-0091	12	Screw, Machine - Pan Head (1/4-20 x 1-1/2")	68	870-0495	4	Nut, Acorn - Nylon
	850-0039	24	Washer, Lock (1/4")	69	800-0052	8	Screw, Cap - Hex Head (3/8-16 x 1-1/2")
			800/1000 Amp				
	332-2736	12	Lug, Solderless				
	815-0799-01	12	Screw, Cap - Socket Head (1/2-13 x 2-1/4")				
	850-0060	12	Washer, Lock (1/2")				

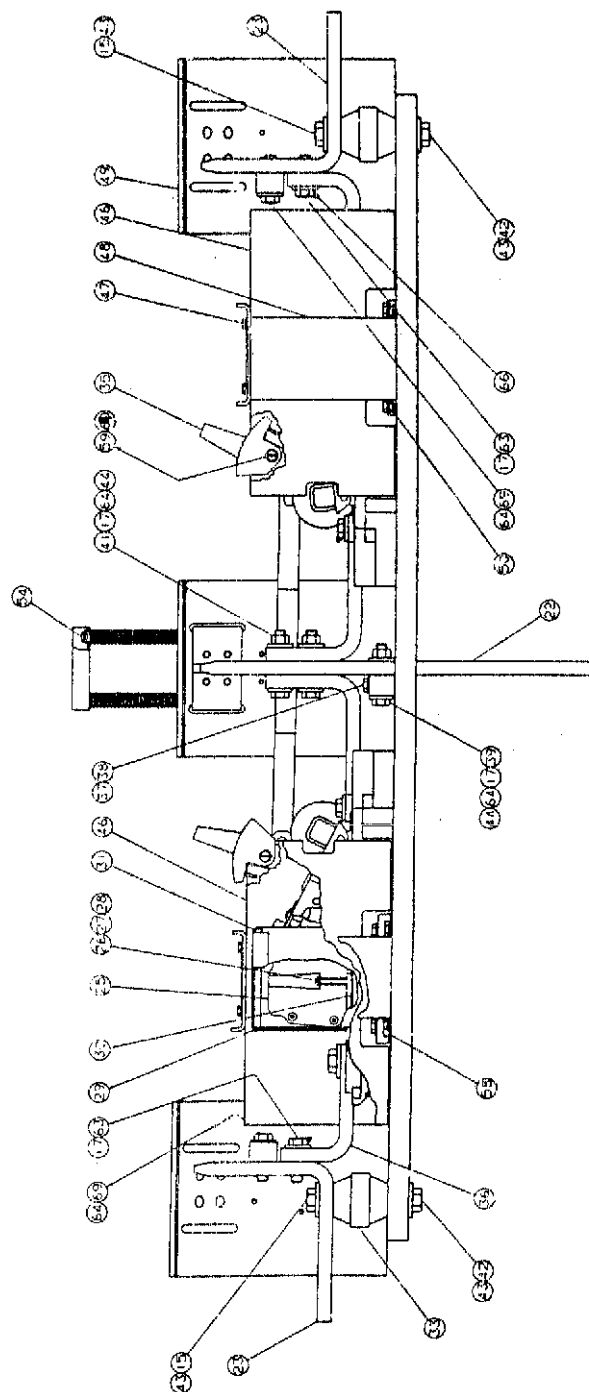
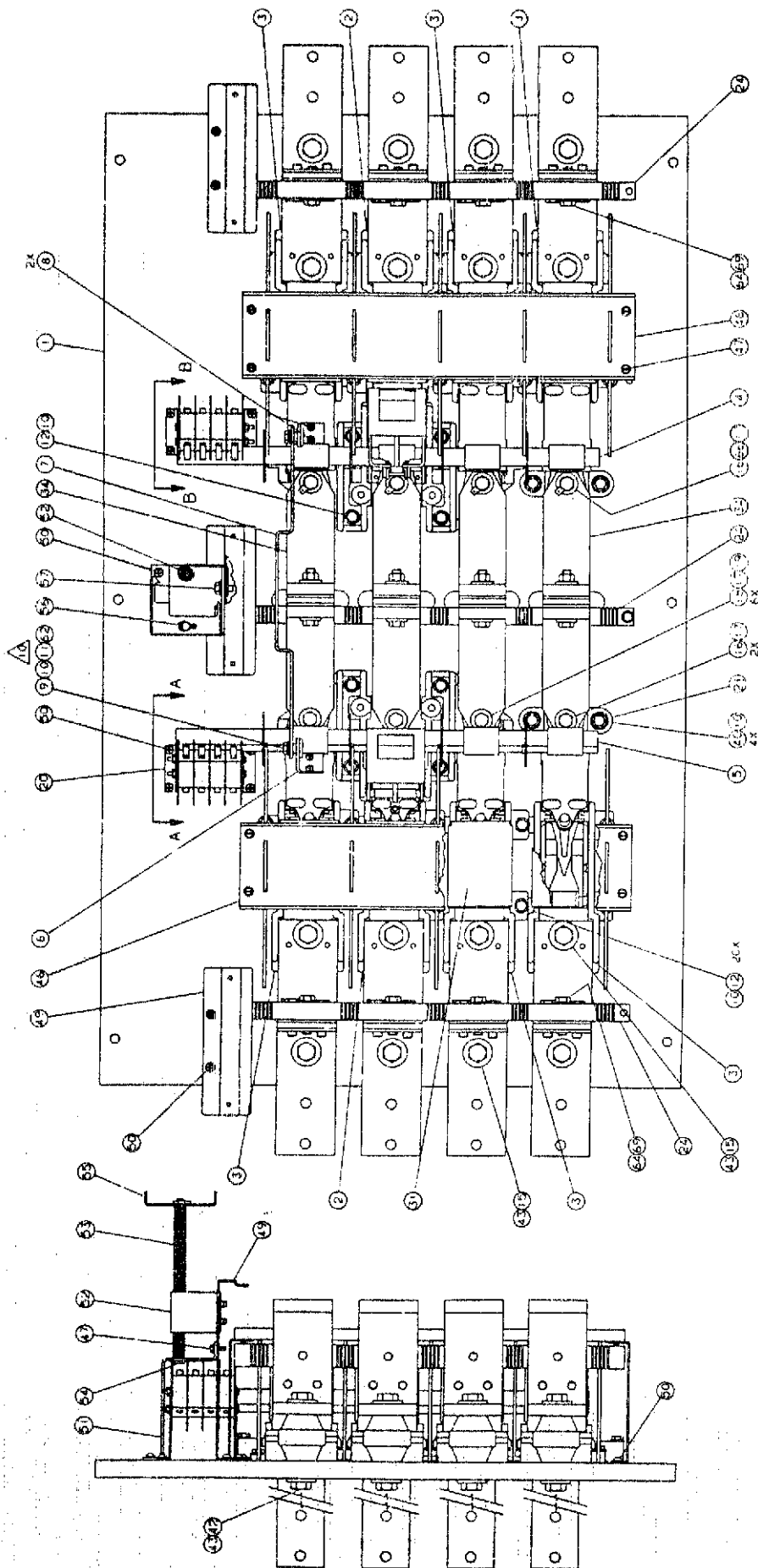
Bypass Switch Assembly
Rear Connect
3 Pole



Bypass Switch Assembly Rear Connect 3 Pole

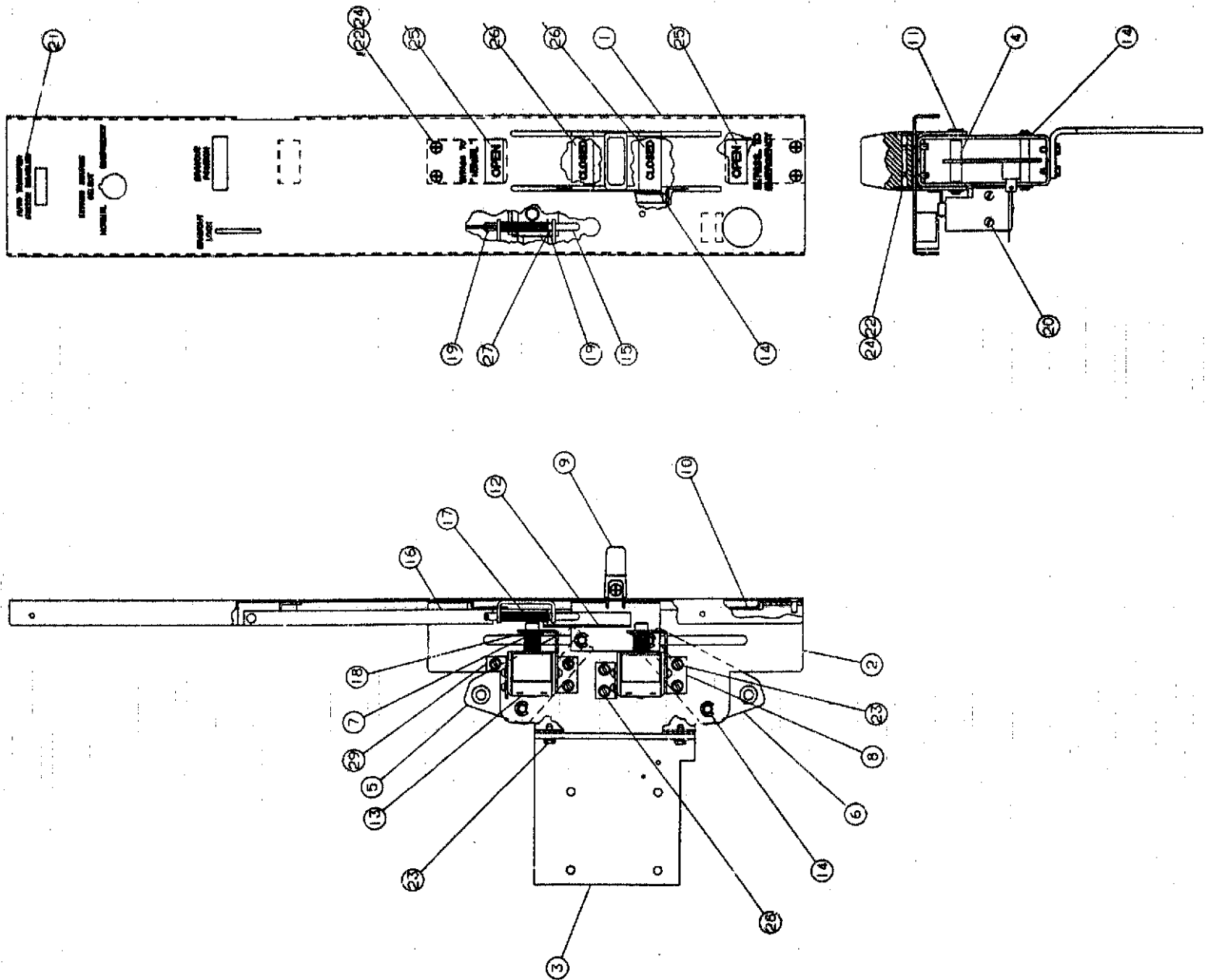
REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3798	1	Base, Insert	34	337-2504-01	6	Strap, Jumper
2	306-3453-01	2	Block Assembly, Strap - Line (Outer)	35	306-3763	2	Handle, Acuator
3	306-3453-02	4	Block Assembly, Strap - Line (Inner)	36	337-2506-01	6	Strap, Normal/Emergency
4	306-3431-01	1	Contact Assembly, Normal	37	851-0027	2	Washer, Spring - Conical (1/4-20 x 2")
5	306-3431-02	1	Contact Assembly, Emergency	38	800-0011	2	Screw, Cap - Hex Head (3/8-16 x 2-1/4")
6	306-0508	2	Interlock Assembly, Arm	39	800-0054	3	Screw, Cap - Hex Head (1/2-13 x 1-1/2")
7	306-3855-01	1	Bar, Interlock	41	800-0055	6	Screw, Cap - Hex Head (3/8-16 x 2-1/4")
8	815-0446	4	Screw, Round Head - Cross-Recessed w/Internal Tooth (#8-32 x 1/2")	42	800-0092	6	Screw, Cap - Hex Head (3/8-16 x 2-1/4")
9	800-0003	2	Screw, Cap - Hex Head (1/4-20 x 1/2")	43	851-0023	18	Washer, Spring - Conical (1/4-20 x 2")
10	526-0018	26	Washer, Flat (1/4")	44	862-0003	9	Nut, Hex (3/8")
11	850-0040	2	Washer, Lock (1/4")	46	306-3804	2	Cover, Normal/Emergency
12	800-0008	24	Screw, Cap - Hex Head (1/4-20 x 1-1/4")	47	815-0652	10	Screw, Slotted Thread Rollir Hex Head (#10-32 x 1/2")
15	800-0091	12	Screw, Cap - Hex Head (1/2-13 x 1-1/4")	48	306-3802-01	4	Bracket, Cover
17	851-0022	27	Washer, Spring - Conical (3/8")	49	306-3799-01	3	Bracket, Shutter
18	800-0053	6	Screw, Cap - Hex Head (3/8-16 x 1-3/4")	50	815-0449	24	Screw, Pan Round Head - Cross-Recessed (#10-32 x 3/4")
19	306-1398	6	Bushing	51	306-3826-01	1	Bracket, Base - Secdisc
20	306-3436	2	Switch Assembly, Auxiliary (See Separate Page For Components)	52	306-3753	2	Bracket, Support - Spring
22	337-2556-01	3	Bus, Load - Rear Connect	53	306-3713	2	Spring, Secdisc
23	337-2557-01	6	Bus, Normal/Emergency - Rear Connect	54	516-0238	2	Pin, Clevis - Secdisc
24	306-3805	3	Bar, Support	55	306-3717	1	Bracket, Plug - Secdisc
25	306-0320	6	Chute, Arc	56	516-0040	2	Pin, Cotter (3/32 x 1")
26	812-0087	12	Screw, Machine - Round Head (#8-32 x 1-1/2")	57	815-0261	4	Screw, Hex Washer Head - Thread Forming (1/4-20 x 1/2")
27	850-0025	12	Washer, Lock (#8)	58	166-0122	4	Spacer, Screw - Mounting
28	526-0003	12	Washer, Flat (#8)	59	815-0485	4	Screw, Shoulder (#10-32)
29	306-0669	6	Barrier, Chute - Arc	60	850-0030	4	Washer, Lock (#10)
30	306-0668	12	Spacer, Chute - Arc	63	800-0051	12	Screw, Cap - Hex Head (3/8-16 x 1-1/4")
31	306-1041	6	Barrier, Chute - Arc	64	526-0029	15	Washer, Flat (3/8")
33	332-2744-06	6	Standoff, Insulator	66	332-2564	9	Terminal, Ring (3/8")
				69	800-0052	6	Screw, Cap - Hex Head (3/8-16 x 1-1/2")

Bypass Switch Assembly Rear Connect 4 Pole



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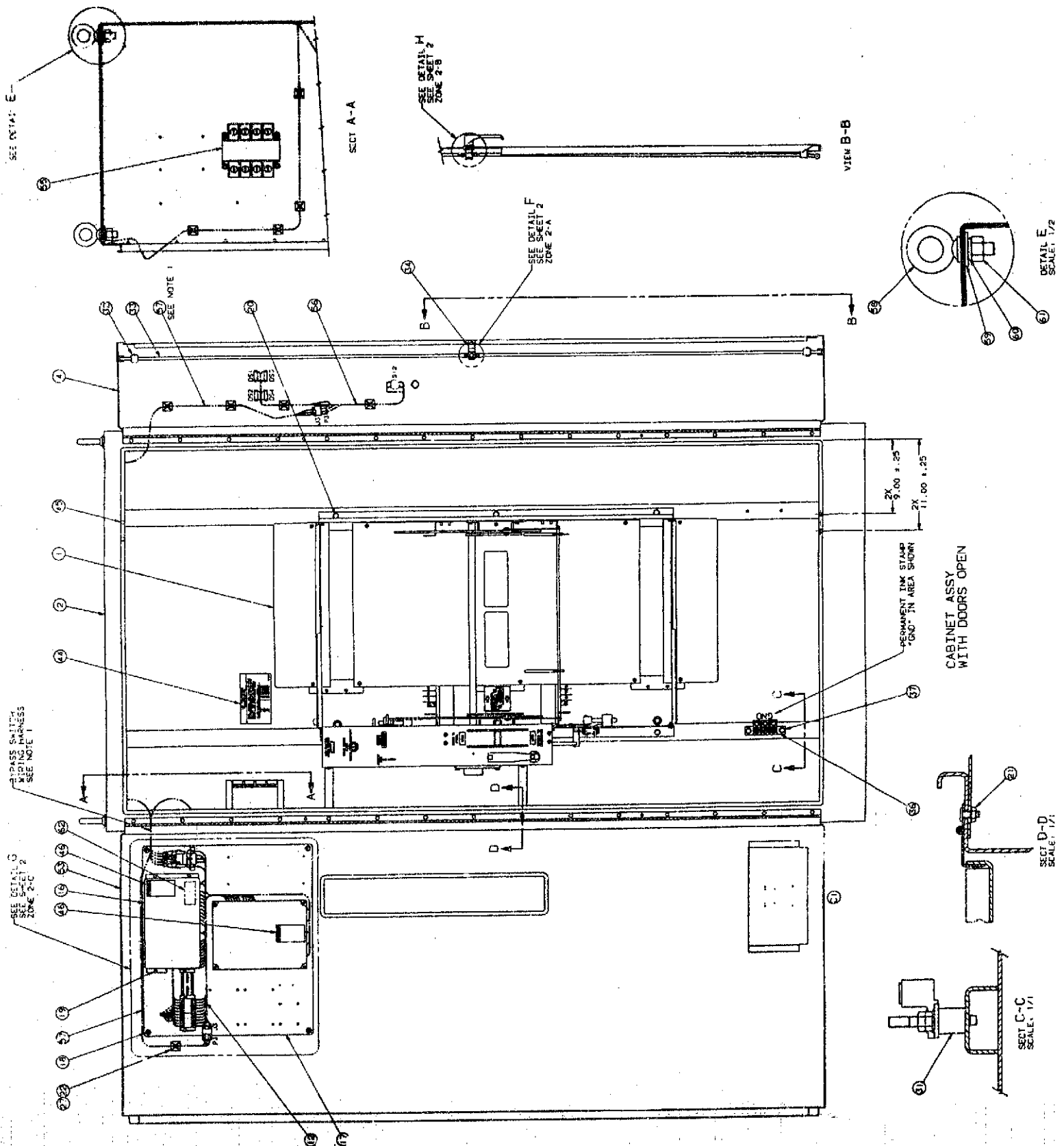
Bypass Operator Assembly



Bypass Operator Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	306-3838-01	1	Cover	18	516-0151	2	Pin, Roll - Solenoid
2	306-3830-01	2	Bracket, Actuator	19	516-0037	2	Pin, Cotter (1/16")
3	306-3646	1	Bracket, Support	20	815-0285	8	Screw, Round Head - Extern Tooth (#8-32 x 5/16")
4	306-3651	2	Bushing	21	98-6441	1	Decal
5	306-3652	1	Arm, Pivot - Right Hand	22	815-0029	6	Screw, Flat Head - Cross- Recessed (#10-32 x 1/2")
6	306-3653	1	Arm, Pivot - Left Hand	23	815-0652	11	Screw, Hex Head - Slotted (#10-32 x 1/2")
7	306-3726	2	Spring, Solenoid	24	855-0008	6	Washer, Lock - External To (#10)
8	306-3741	2	Bracket, Solenoid	25	98-6350	2	Decal, Open
9	306-3751	1	Handle, Actuator	26	98-6351	2	Decal, Closed
10	306-3754	2	Plate, Ind	27	526-0016	1	Washer, Flat (1/4")
11	516-0237	2	Pin, Clevis - Plunger	28	306-3833	1	Bracket, Solenoid
12	306-3832-01	1	Bracket	29	306-3939-01	1	Bracket, Solenoid
13	307-2712	2	Solenoid	30	524-0659	1	Lubricant, Contact
14	518-0115	6	Ring				
15	306-3921	1	Plunger				
16	306-3847-01	1	Link, Plunger				
17	306-3930	1	Spring, Plunger				

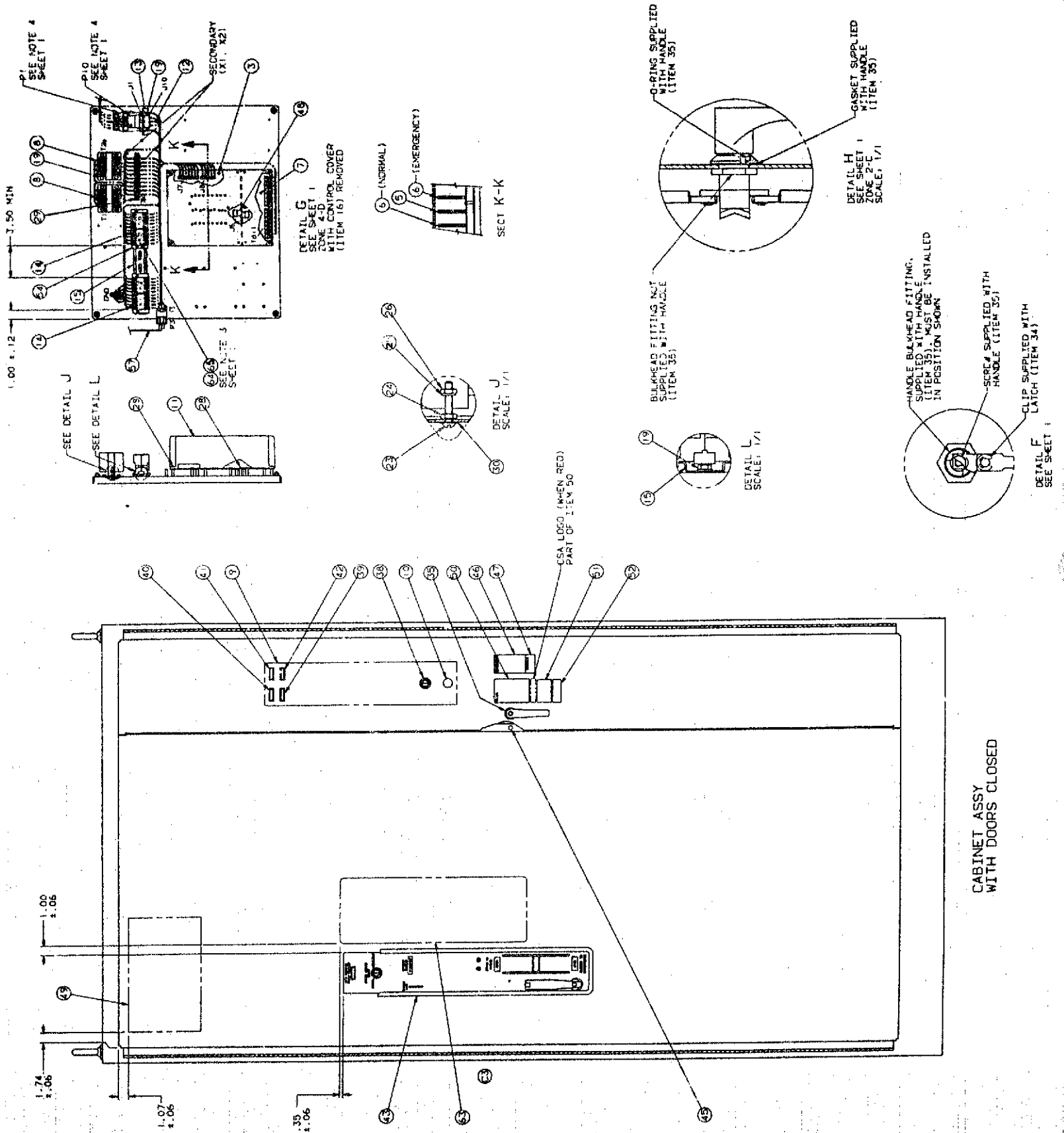
Control Cabinet Assembly



Control Cabinet Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Frame Assembly, Bypass (See Separate Page For Components)	23	810-0085	1	Screw, Machine - Round Head (Brass) (#8-32 x 1/8")
	306-3867-01	1	3 Pole	24	870-0221	1	Nut, Lock - External Tooth (#8-32)
	306-3787-02	1	4 Pole	25	526-0048	1	Washer, Flat (#8)
2	319-1272	1	Box, Control	26	860-0008	1	Nut, Hex (#8-32)
3			Board, Circuit - Printed (Mother)	27	332-0941	15	Tie, Cable
			Utility to GenSet	28	815-0544	12	Screw, Round Head - Cross-Recessed with Internal Tooth (#6-32 x 1/2")
	300-3090	1	Standard	29	815-0447	2	Screw, Round Head - Cross-Recessed with Internal Tooth (Self-Tapping) (#8-32 x 3/4")
	300-3260	1	Extended Time Delay	30	856-0002	1	Washer, Lock - External/Internal Tooth (#8)
	300-3267	1	Utility to Utility	31	332-1348	2	Spacer, Bar - Neutral
4			Door, Box - Control	32	306-3467	2	Guide, Rod
	319-1269-01	1	Full Meters	33	306-3526-07	2	Roller, Rod
	319-1269-02	1	No Meters	34	306-3525	1	Latch, Cam - 3 Point
5			Board, Circuit - Printed (Time Delay) (J2)	35	406-0613	1	Handle, Keyed
	300-3094	1	Standard	36	332-2916	1	Strap, Ground
	300-3261	1	Extended Time Delay	37	815-0567	2	Screw, Hex Head - Self-Tapping (5/16-18 x 1-1/4")
6			Board, Circuit - Printed (Voltage Sensor) (J1, J3)	38			Switch, Selector
	300-3121	1	Under voltage		308-0960	1	Utility to GenSet
			Over/Under voltage & Over/Under frequency		308-0955	1	Utility to Utility
	300-3093-01	1	60 Hertz	39	322-0387-02	1	Light, Indicating - White
	300-3093-02	1	50 Hertz	40	322-0170	1	Light, Indicating - Green
7			Board, Circuit - Printed (Transformer)	41	322-0137	1	Light, Indicating - Red
	300-3092	1	208, 220, 240, 380, 416, 480 VAC	42	322-0168	1	Light, Indicating - Amber
	300-3118	1	600 VAC	43	508-1067-02	1	Edging
8			Transformer, Power (T1, T2)	44	98-6367	1	Label, Torque
	315-0693-02	2	208, 220, 240, 480 VAC to 24VDC	45	508-0231	5	Bumper
	315-0693-03	2	380, 416 VAC to 24 VDC	46	98-5387	3	Label, Danger
	315-0693-04	2	600 VAC to 24 VDC	47	98-5777-01	1	Label, Warning
9			Decal, Door	48	323-1387	1	Pin Assembly, Ribbon
			Without Meters	49	98-6384	1	Decal, Switch - BT
	98-6368	1	Utility to GenSet	51	98-4817	1	Decal, UL
	98-6380	1	Utility to Utility	52	98-6118	1	Decal, Cabinet - NEMA 1
			With Meters	53	319-1268-01	1	Door, Box - Control
	98-6369	1	Utility to GenSet	54	332-2878	4	Bracket, End - Terminal
	98-6379	1	Utility to Utility	55	315-0661	1	Transformer, Power - 600 VAC to 208 VAC
10	517-0137	1	Plug, Hole	56	338-2755	1	Harness, Wiring - Lamp/Switch
11	306-3430	1	Cover, Sentry - Power	57	338-2758	1	Harness, Wiring - Lamp Ext
12	338-2648	1	Harness, Wiring - Cabinet	58	403-2121	4	Eyebolt
13	306-3654	1	Bracket, Plug - Control	59	526-0238	4	Washer, Flat (3/4")
14	307-2597	2	Contactor, Interlocking	60	850-0079	4	Washer, Lock
15	332-3087	1	Rail, Terminal	61	862-0008	4	Nut, Hex (3/4-10)
16	306-3661	1	Cover, Control	62	98-6481	1	Decal, Plug - Disconnect
17	319-1154	1	Panel, Control	58	98-6508	1	Decal, Instruction - Operation
18	870-0212	4	Nut, Self-Locking (1/4-20)	59	532-0400	1	Marker, Numbers
19	815-0652	15	Screw, Hex Head - Self-Tapping (#10-32 x 1/2")	60	532-0374	1	Marker, Letters
20	821-0028	6	Screw, Locking (3/8-16 x 1/2")	61	98-5661	1	Decal, Cover - Power Sentry
21	870-0240	30	Nut, Self-Locking (#10-32)	62	98-5766	1	Decal, Switch
22	332-2420	15	Mount, Tie - Cable				

Control Cabinet Assembly

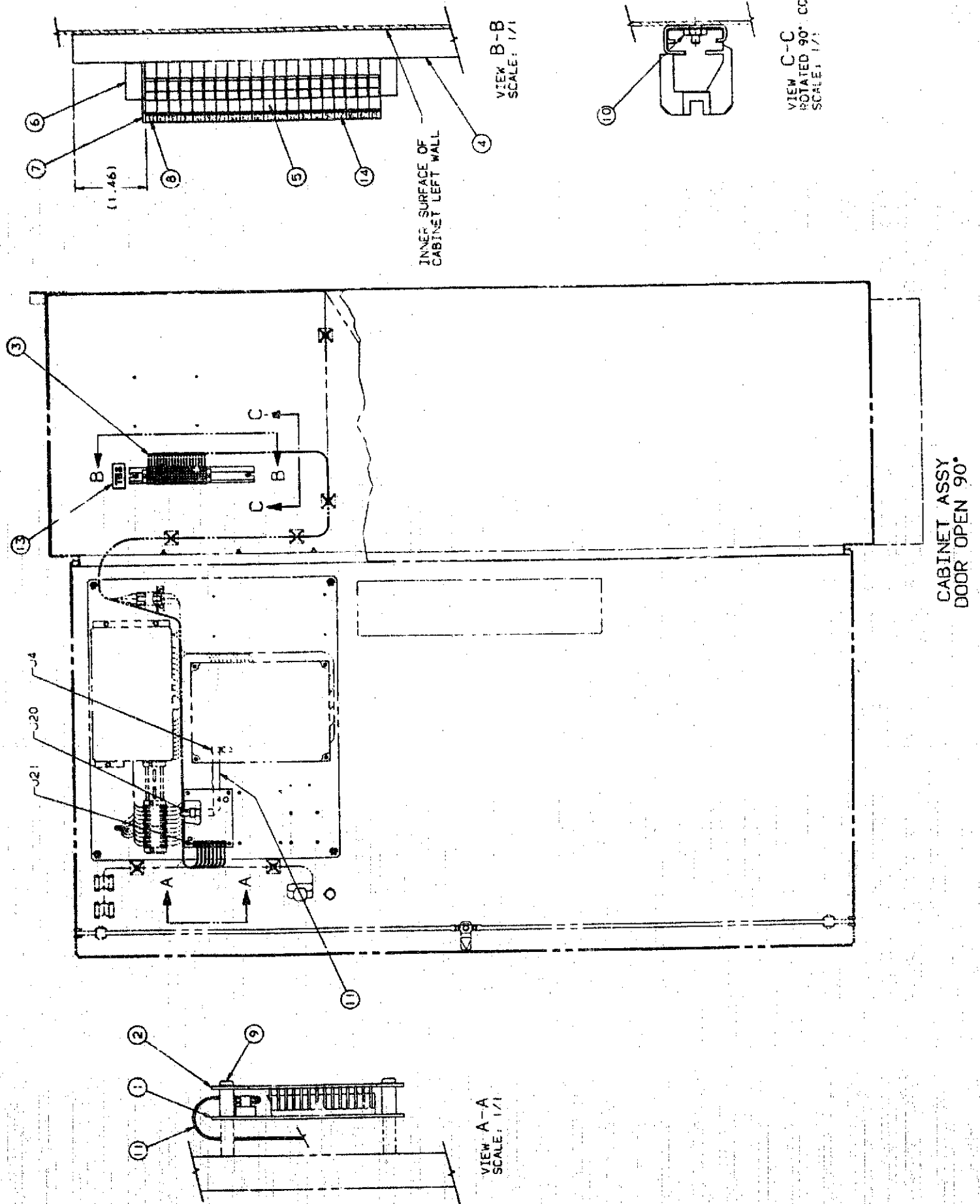


CABINET ASSY
WITH DOORS CLOSED

Control Cabinet Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Frame Assembly, Bypass (See Separate Page For Components)	23	810-0085	1	Screw, Machine - Round Head (Brass) (#8-32 x 1/8")
	306-3867-01	1	3 Pole	24	870-0221	1	Nut, Lock - External Tooth (#8-32)
	306-3787-02	1	4 Pole	25	526-0048	1	Washer, Flat (#8)
2	319-1272	1	Box, Control	26	860-0008	1	Nut, Hex (#8-32)
3			Board, Circuit - Printed (Mother)	27	332-0941	15	Tie, Cable
			Utility to GenSet	28	815-0544	12	Screw, Round Head - Cross-Recessed with Internal Tooth (#6-32 x 1/2")
	300-3090	1	Standard				
	300-3260	1	Extended Time Delay	29	815-0447	2	Screw, Round Head - Cross-Recessed with Internal Tooth (Self-Tapping) (#8-32 x 3/4")
	300-3267	1	Utility to Utility				
4			Door, Box - Control	30	856-0002	1	Washer, Lock - External/Internal Tooth (#8)
	319-1269-01	1	Full Meters	31	332-1348	2	Spacer, Bar - Neutral
	319-1269-02	1	No Meters	32	306-3467	2	Guide, Rod
5			Board, Circuit - Printed (Time Delay) (J2)	33	306-3526-07	2	Roller, Rod
	300-3094	1	Standard	34	306-3525	1	Latch, Cam - 3 Point
	300-3261	1	Extended Time Delay	35	406-0613	1	Handle, Keyed
6			Board, Circuit - Printed (Voltage Sensor) (J1, J3)	36	332-2916	1	Strap, Ground
	300-3121	1	Under voltage	37	815-0567	2	Screw, Hex Head - Self-Tapping (5/16-18 x 1-1/4")
			Over/Under voltage & Over/Under frequency				
	300-3093-01	1	60 Hertz	38			Switch, Selector
	300-3093-02	1	50 Hertz		308-0960	1	Utility to GenSet
7			Board, Circuit - Printed (Transformer)		308-0955	1	Utility to Utility
	300-3092	1	208, 220, 240, 380, 416, 480 VAC	39	322-0387-02	1	Light, Indicating - White
	300-3118	1	600 VAC	40	322-0170	1	Light, Indicating - Green
8			Transformer, Power (T1, T2)	41	322-0137	1	Light, Indicating - Red
	315-0693-02	2	208, 220, 240, 480 VAC to 24VDC	42	322-0168	1	Light, Indicating - Amber
	315-0693-03	2	380, 416 VAC to 24 VDC	43	508-1067-02	1	Edging
	315-0693-04	2	600 VAC to 24 VDC	44	98-6367	1	Label, Torque
9			Decal, Door	45	508-0231	5	Bumper
			Without Meters	46	98-5387	3	Label, Danger
	98-6368	1	Utility to GenSet	47	98-5777-01	1	Label, Warning
	98-6380	1	Utility to Utility	48	323-1387	1	Pin Assembly, Ribbon
			With Meters	49	98-6384	1	Decal, Switch - BT
	98-6369	1	Utility to GenSet	51	98-4817	1	Decal, UL
	98-6379	1	Utility to Utility	52	98-6118	1	Decal, Cabinet - NEMA 1
10	517-0137	1	Plug, Hole	53	319-1268-01	1	Door, Box - Control
11	306-3430	1	Cover, Sentry - Power	54	332-2878	4	Bracket, End - Terminal
12	338-2648	1	Harness, Wiring - Cabinet	55	315-0661	1	Transformer, Power - 600 VAC to 208 VAC
13	306-3654	1	Bracket, Plug - Control	56	338-2755	1	Harness, Wiring - Lamp/Switch
14	307-2597	2	Contactor, Interlocking	57	338-2758	1	Harness, Wiring - Lamp Ext
15	332-3087	1	Rail, Terminal	58	403-2121	4	Eyebolt
16	306-3661	1	Cover, Control	59	526-0238	4	Washer, Flat (3/4")
17	319-1154	1	Panel, Control	60	850-0079	4	Washer, Lock
18	870-0212	4	Nut, Self-Locking (1/4-20)	61	862-0008	4	Nut, Hex (3/10)
19	815-0652	15	Screw, Hex Head - Self-Tapping (#10-32 x 1/2")	62	98-6481	1	Decal, Plug Disconnect
20	821-0028	6	Screw, Locking (3/8-16 x 1/2")	58	98-6508	1	Decal, Instruction - Operation
21	870-0240	30	Nut, Self-Locking (#10-32)	59	532-0400	1	Marker, Numbers
22	332-2420	15	Mount, Tie - Cable	60	532-0374	1	Marker, Letters
				61	98-5661	1	Decal, Cover - Power Sentry
				62	98-5766	1	Decal, Switch

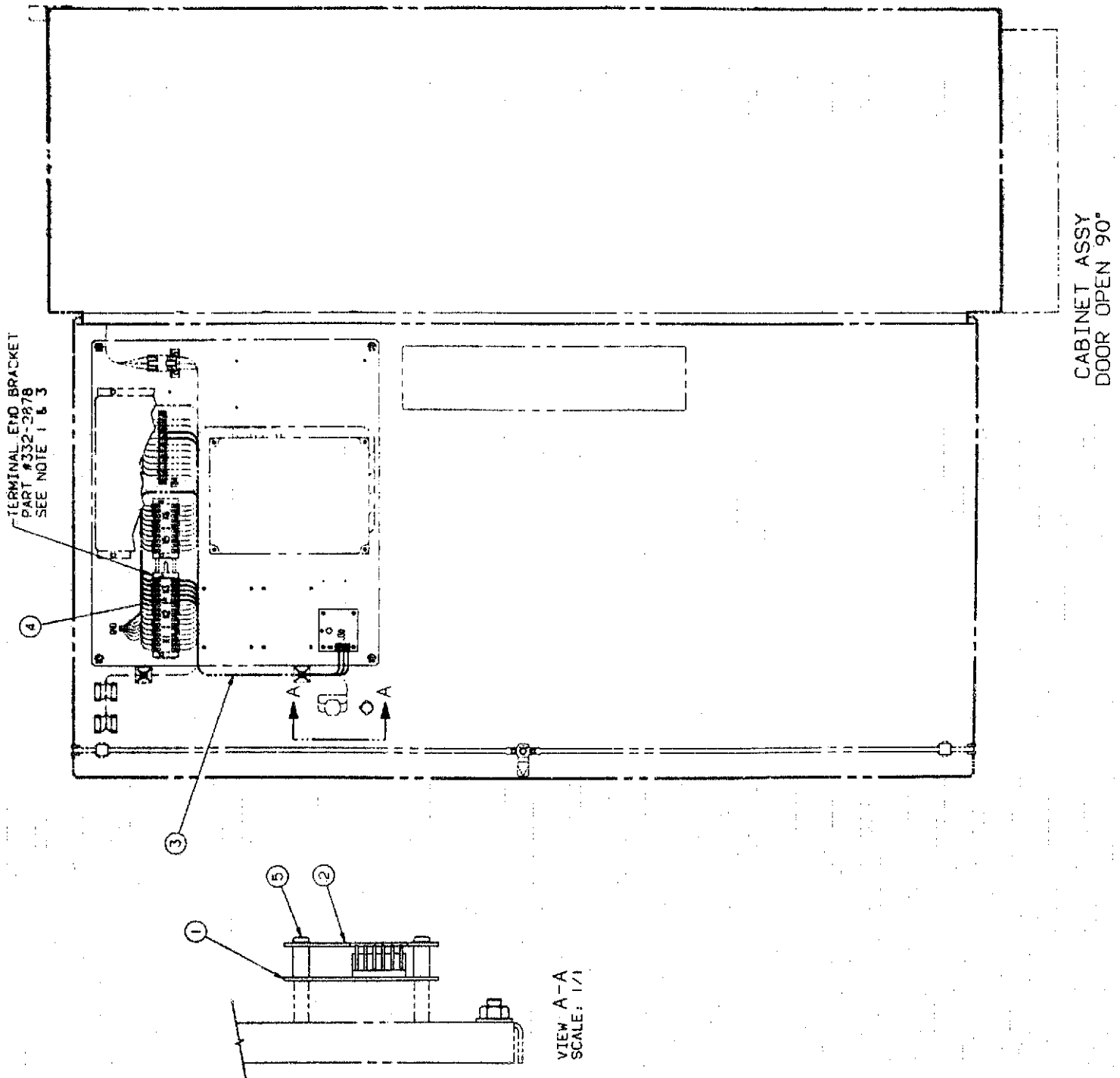
Signal Module Assembly



Signal Module Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3096	1	Board, Circuit - Printed	10	870-0221	2	Nut, Lock - External Tooth (#8-32)
2	301-9931	1	Cover	11	323-1409	1	Pin Assembly, Ribbon
3	338-2689	1	Harness, Wiring	12	332-0941	10	Tie, Cable
4	332-2837-09	1	Rail, Terminal	13	98-5710	1	Label, Block - Terminal
5	332-2836-02	2	Block, Terminal - Sectional	14	332-2842-13	2	Tag, Block - Terminal (21-)
6	332-2839	2	End-Bracket, Terminal	15	98-5691	1	Decal, Module - Signal
7	332-2841	1	End-Plate, Terminal				
8	332-2842-12	2	Tag, Terminal - 11-20				
9	815-0680	4	Screw, Pan Head - Cross- Recessed with External Tooth (#6-32 x 1")				

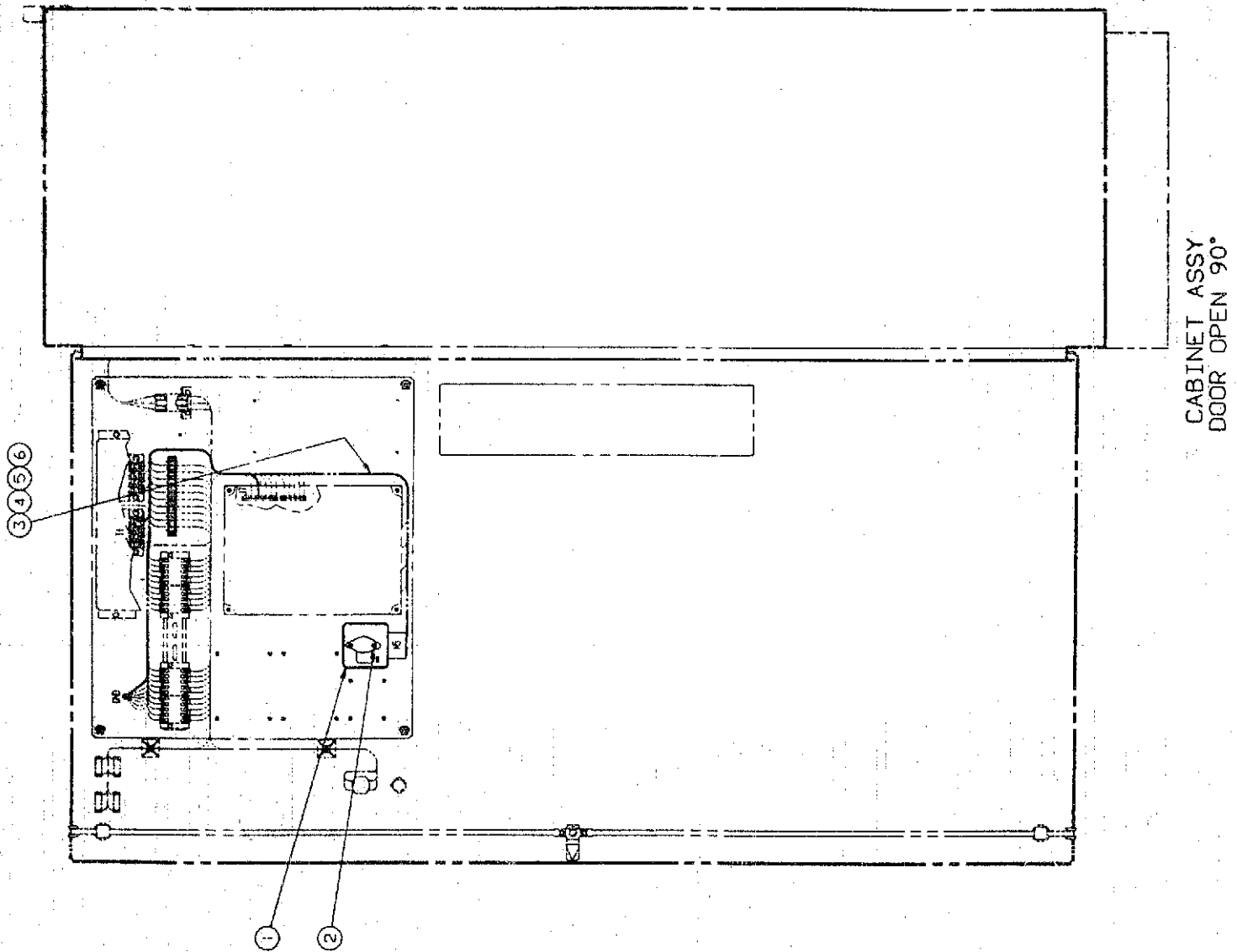
Program Transition Assembly



Program Transition Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	300-3115-01		Board, Circuit - Printed	6	332-0941	10	Tie, Cable
	300-3115-02		7.5 Seconds	7			Decal
			60.0 Seconds		98-5689	1	7.5 Seconds
2	302-9927	1	Cover		98-5700	1	60 Seconds
3	338-2691	1	Harness, Wiring				
4	307-2583	1	Relay, Control (24VDC)				
5	815-0680	4	Screw, Pan Head - Cross- Recessed with External Tooth (#6-32 x 1")				

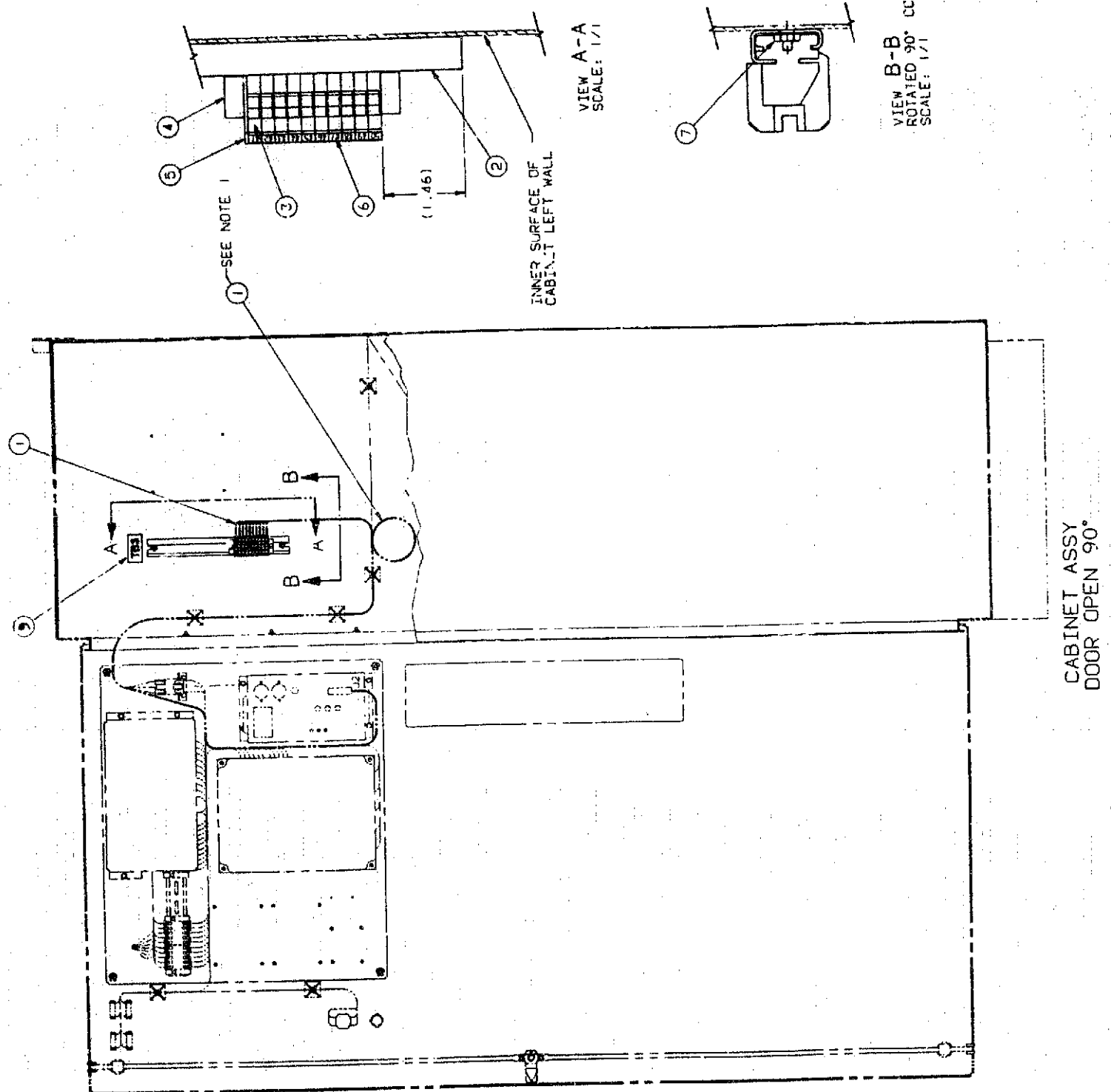
Exerciser Clock Assembly



Exerciser Clock Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2577	1	Clock, Exerciser (24 VAC)	4	226-3568-06	1	Lead, Clock
2	815-0504		Screw, Hex Washer Head - Self Tapping (#6-32 x 3/8")	5	226-3568-07	1	Lead, Clock
3	226-3568-03	1	Lead, Clock	6	226-3568-08	1	Lead, Clock
				7	332-0941	10	Tie, Clock

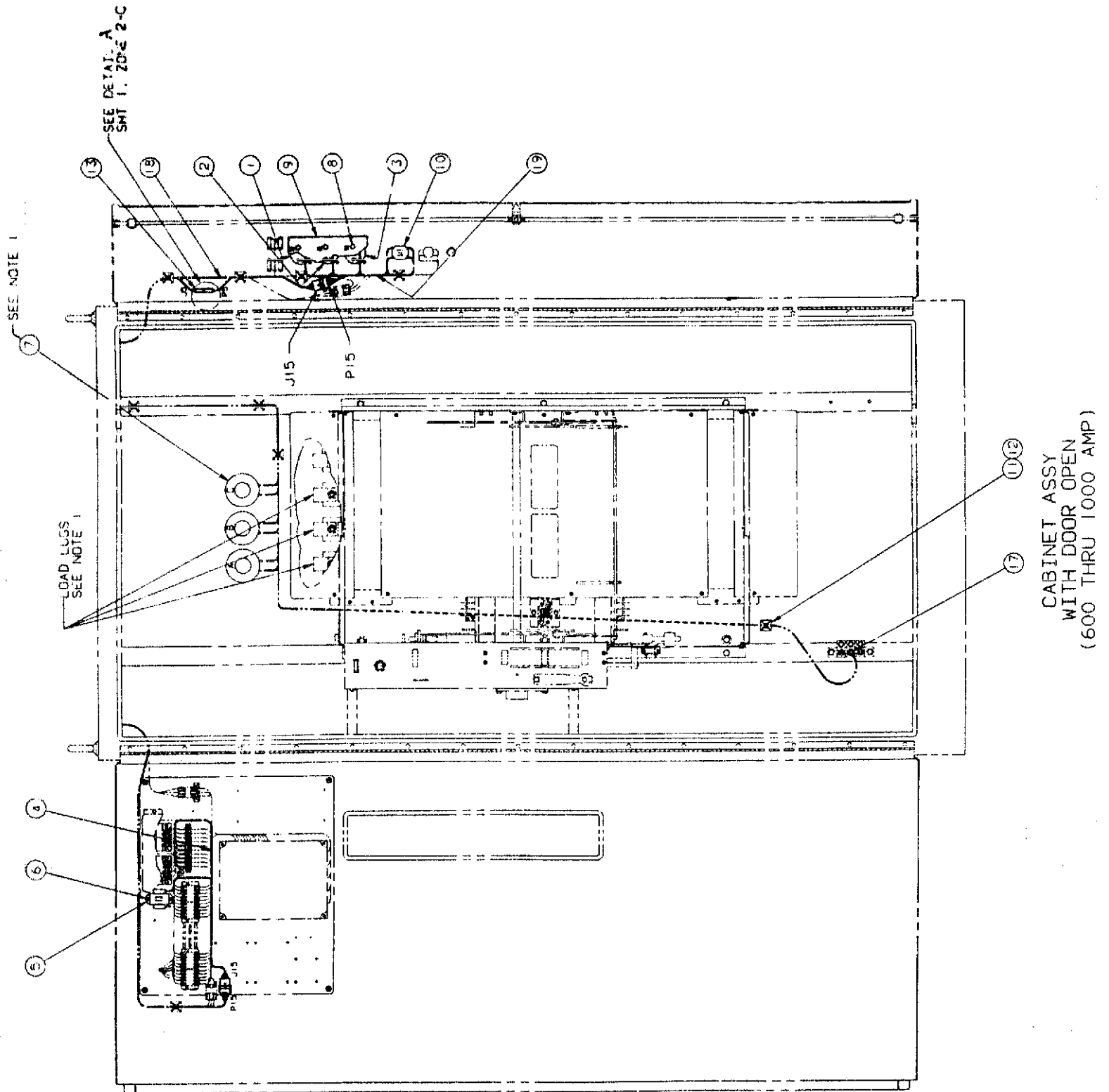
Battery Charge Alarm Harness Assembly



Battery Charge Alarm Harness Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	338-2350	1	Harness, Wiring	6	332-2842-15	2	Tag, Terminal - 41-50
2	332-2837-09	1	Rail, Terminal	7	870-0221	2	Nut, Lock - External Tooth
3	332-2836-02	1	Block, Terminal - Sectional	8	332-0941	10	Tie, Cable
4	332-2839	2	End-Bracket, Terminal	9	98-5710	1	Label, Block - Terminal
5	332-2841	1	End-Plate, Terminal				

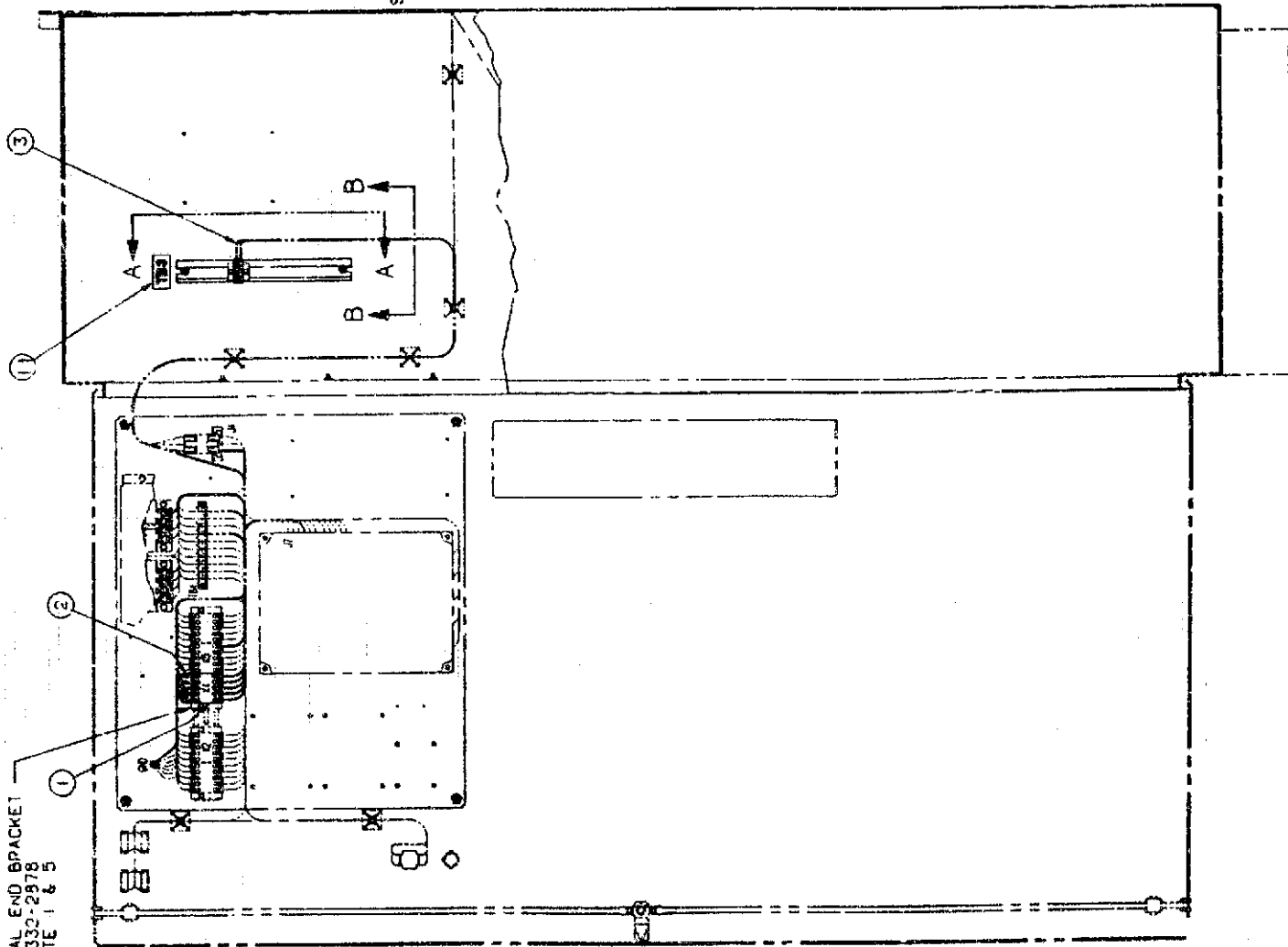
Meter Assembly



Meter Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1			Meter, Volt - AC	8	870-0439	6	Nut, Nylon
	302-1175	1	208, 220, 240 Volt	9	306-3464	1	Shield, Meter
	302-1711	1	380, 416, 480 Volt	10	308-0904	1	Switch, Rotary - Volt/Amp
	302-1710	1	600 Volt	11	332-2420	7	Mount, Tie - Cable
2			Meter, Ampere	12	332-0941	20	Tie, Cable
	302-1731	1	600 Amp	13	323-1333	1	Cap, Connector
	302-1732	1	800 Amp	14	332-0897	4	Terminal
	302-1733		1000 Amp	15	323-1200	1	Socket, Contact
3	302-1720	1	Meter, Frequency	17	870-0232	1	Nut, Lock - External Tooth (1/4-20)
4		1	Harness, Meter Power	18	338-2785	1	Harness, Wiring - Meter Ext
	338-2802	1	380, 416, 480, 600 Volt	19	338-2784	1	Harness - Meter
	338-2801	1	208, 220, 240 Volt				
5	315-0377	1	Transformer, Stepdown - 380, 416, 480, 600 Volt Units Only				
6	815-0403	2	Screw, Pan Head - Self-Tapping (#8-32 x .31") 380, 416, 480, 600 Volt Units Only				
7			Transformer, Current				
			600 Amp				
	302-1395	2	1 Phase				
	302-1395	3	3 Phase				
			800 Amp				
	302-1396	2	1 Phase				
	302-1396	3	3 Phase				
			1000 Amp				
	302-1810	2	1 Phase				
	302-1810	3	3 Phase				

Load Shed Assembly



TERMINAL END BRACKET
PART #330-2878
SEE NOTE 1 & 5

SEE NOTE 6

INNER SURFACE OF
CABINET LEFT WALL

VIEW A-A
SCALE: 1/1

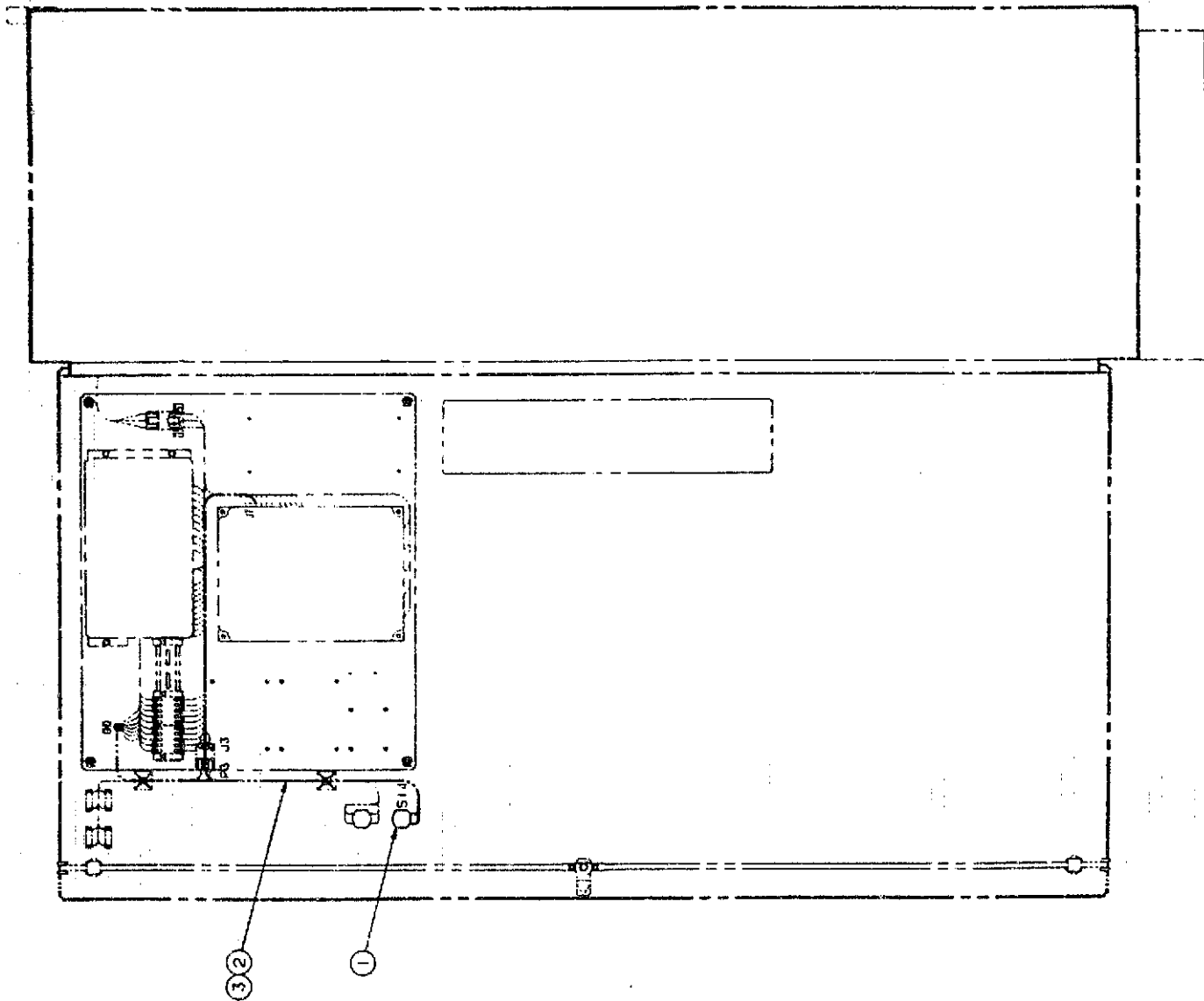
VIEW B-B
ROTATED 90° CCW
SCALE: 1/1

CABINET ASSY
DOOR OPEN 90°

Load Shed Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	307-2648	1	Relay, Control	7	332-2841	1	End-Plate, Terminal
2	307-2600-02	1	Block, Auxiliary	8	332-2842-31	4	Tag, Terminal - Blank
3	338-2705	1	Harness, Wiring	9	870-0221	2	Nut, Lock - External Tooth (#8-32)
4	332-2837-09	1	Rail, Terminal	10	332-0941	10	Tie, Cable
5	332-2836-01	2	Block, Terminal - Sectional	11	98-5710	1	Label, Block - Terminal
6	332-2839	2	End-Bracket, Terminal				

Automatic/Manual Selector Switch Assembly

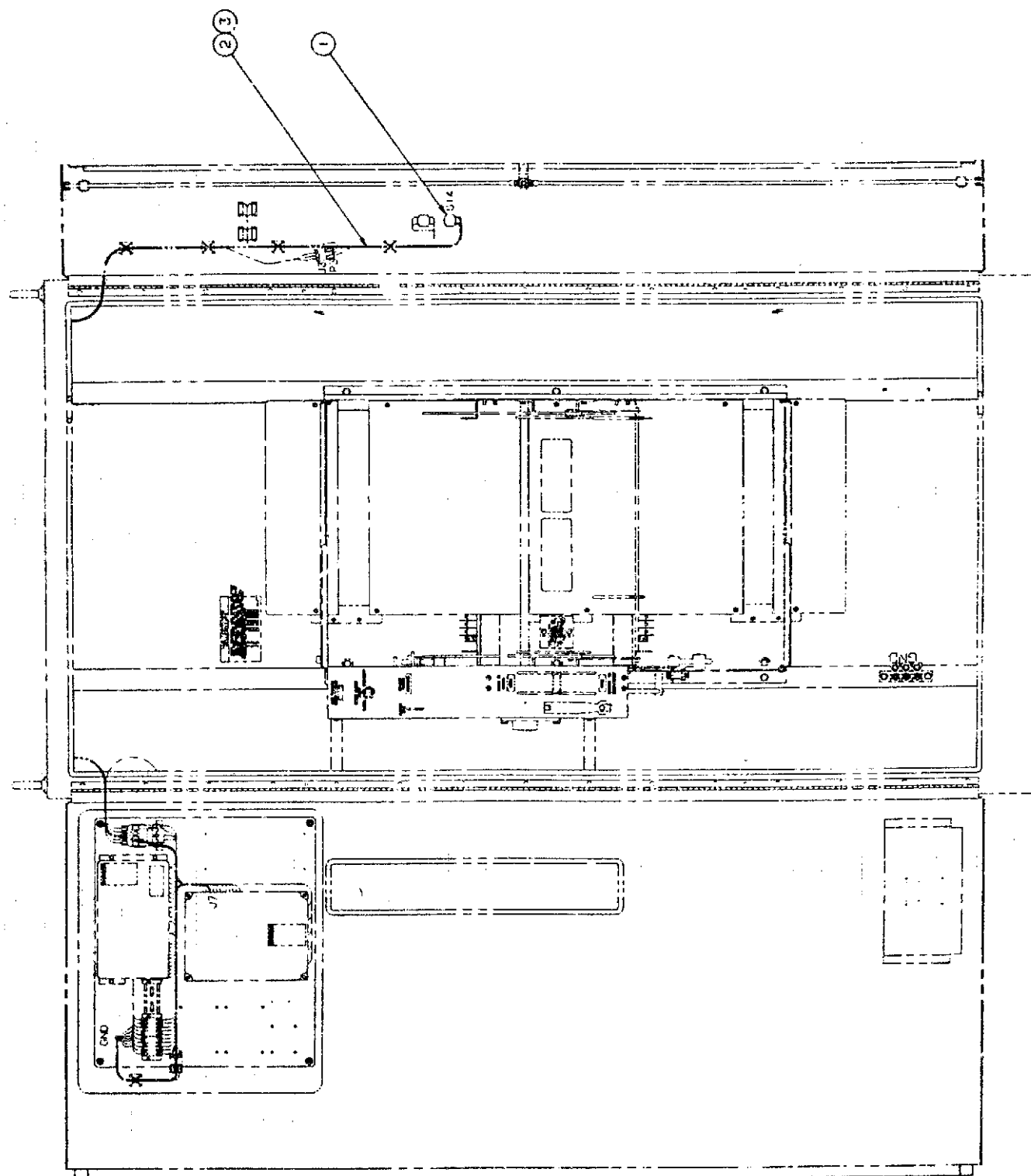


150-600 AMP BYPASS
CABINET ASSY SHOWN
DOOR OPEN 90°
(SEE SHEET 17 FOR
800-1000 AMP BYPASS)

Automatic/Manual Selector Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0955	1	Switch, Selector - Key Oper	3	226-3569-04	1	Lead
	308-	1	Key, Switch - Selector	4	332-0941	10	Tie, Cable
2	226-3569-03	1	Lead				

Automatic/Manual Selector Switch Assembly

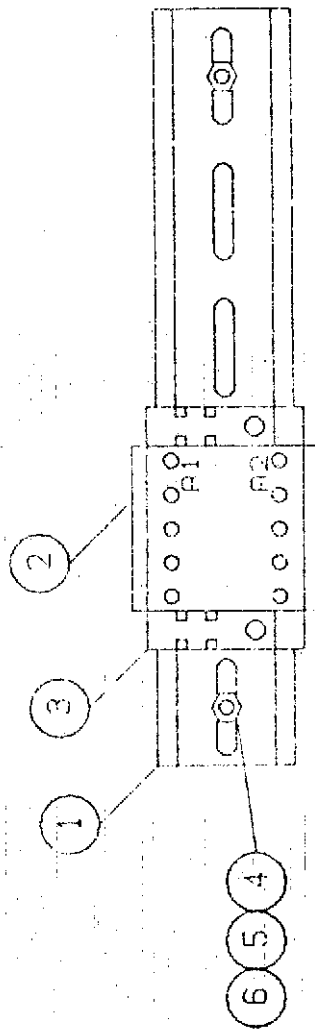


800/1000 AMP BYPASS
CABINET ASSY SHOWN
DOOR OPEN 180°

Automatic/Manual Selector Switch Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	308-0955	1	Switch, Selector - Key Oper	3	226-3569-04	1	Lead
	308-	1	Key, Switch - Selector	4	332-0941	10	Tie, Cable
2	226-3569-03	1	Lead				

Auxiliary Relay Assembly

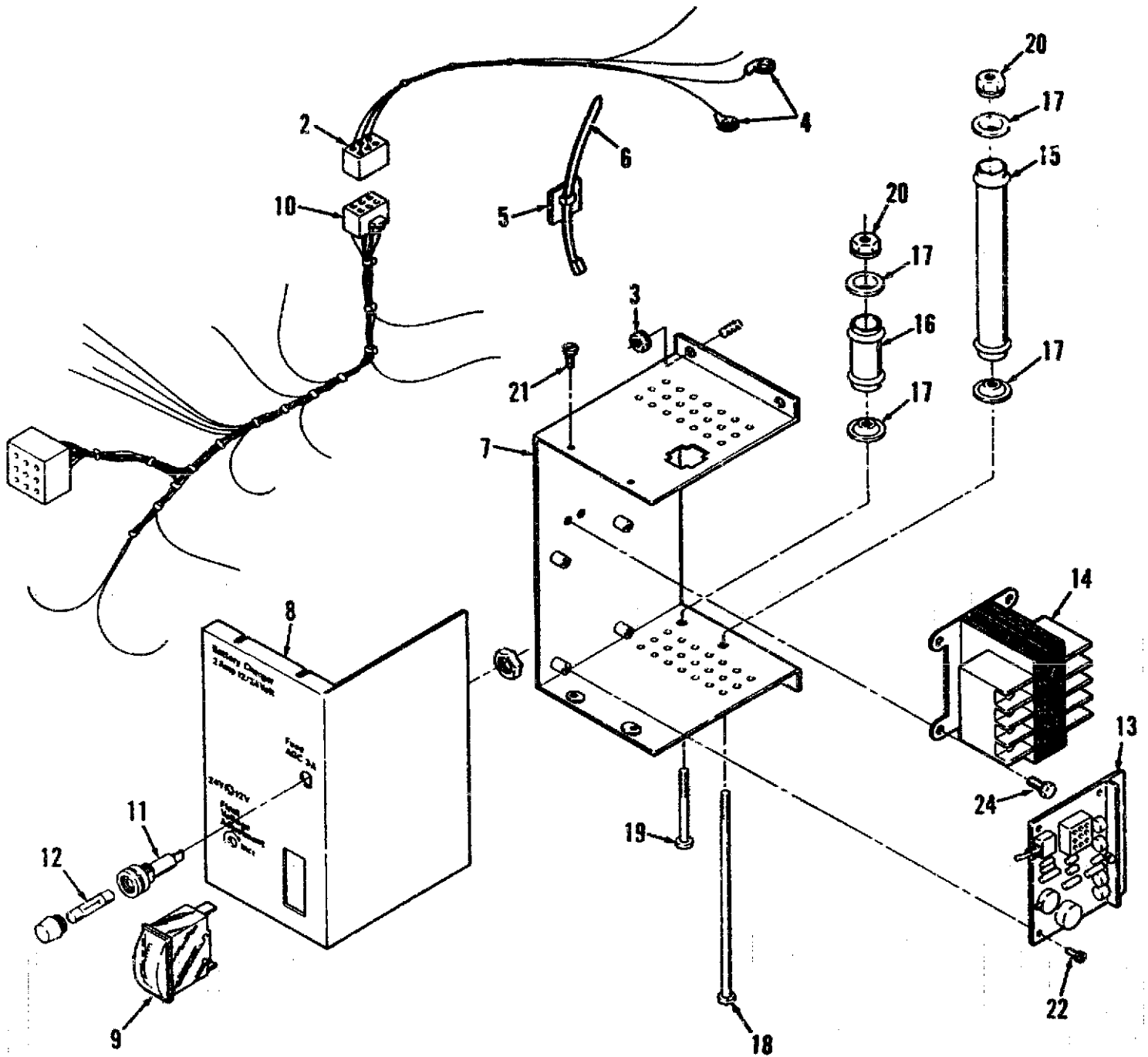


Auxilliary Relay Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2879-02	1	Rail, Terminal
2			Relay, Control
	307-2582	1	12 VDC
	307-2583	1	24 VDC
	307-2578	1	24 VAC
3	332-2878	2	End-Bracket

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
4	860-0008	2	Nut, Hex (#8-32)
5	853-0005	2	Washer, Lock - External Tool (#8)
6	520-0003	2	Washer, Flat (#8)
8	332-2230	1	Terminal, Tap - Plier
9	332-0802	1	Terminal, Ring

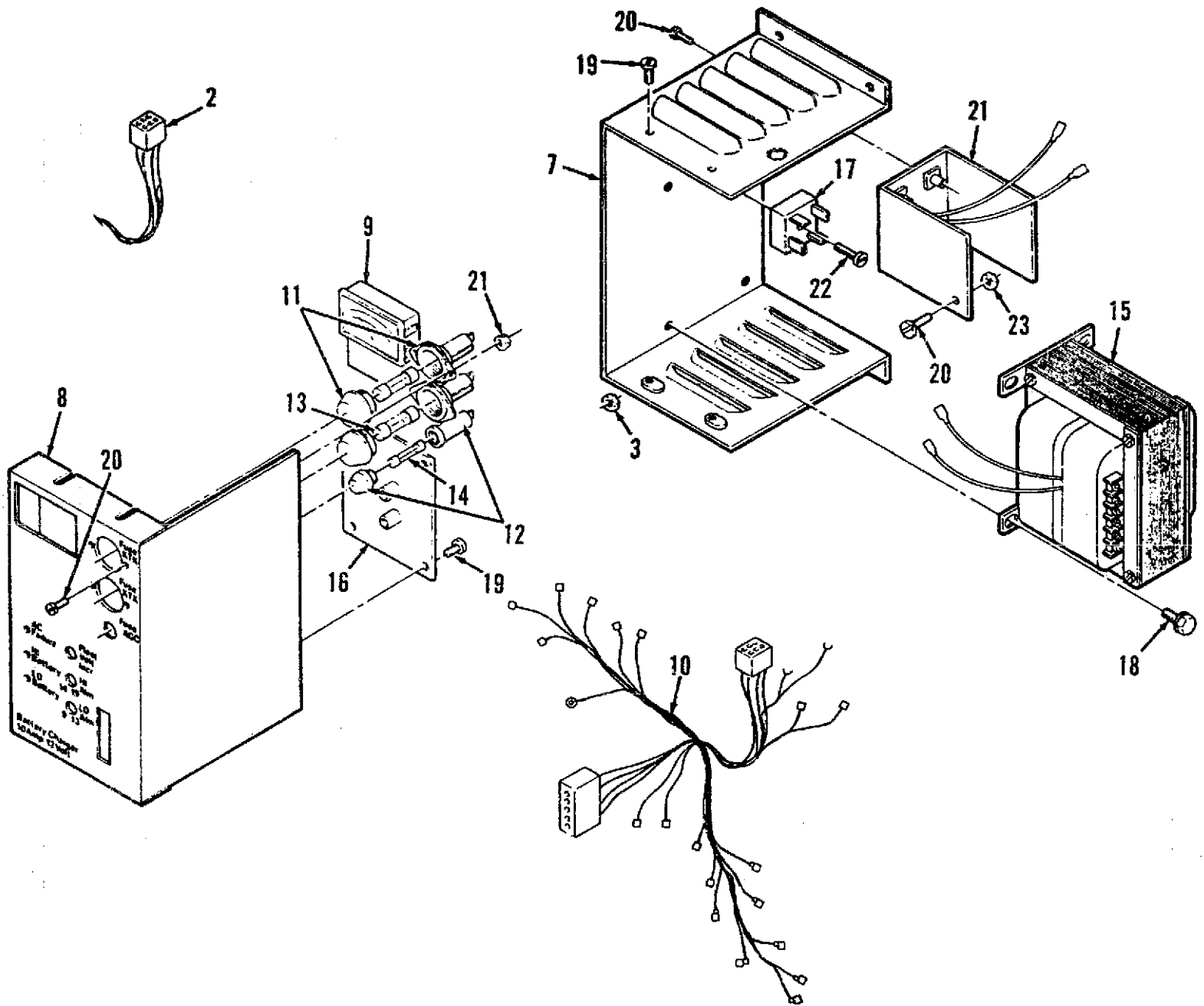
Battery Charger (2 Amp)



Battery Charger (2 Amp)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
2	338-2161	1	Harness, Wiring - Battery Charger	15	304-0037	1	Resistor, Fixed
3	870-0131	4	Nut, Lock - W/ET Washer (#10 - 32)	16	304-0139	1	Resistor, Fixed
4	332-2777	2	Terminal, Spade	17	304-0015	4	Washer, Centering
5	332-2420	8	Mount, Tie - Cable	18	813-0116	1	Screw, Round Head (#10 - 32 6 1/2")
6	332-0942	20	Tie, Cable	19	813-0112	1	Screw, Round Head (#10 - 32 2 1/2")
7	301-9990	1	Wrapper, Charger - Battery	20	870-0131	2	Nut, Lock - W/ET Washer (#10 - 32)
8	301-9992	1	Cover, Charger - Battery (Includes Decal)	21	815-0550	4	Screw, Pan Head - W/ET Washe (#6 - 32 x 3/8")
	98-5708	1	Decal	22	815-0549	4	Screw, Pan Head - W/ET Washe (#6 - 32 x 1/4")
9	302-0807	1	Meter, Ampere - DC	24	821-0040	4	Screw, Lock (#10 - 32 x 5/16)
10	338-2149	1	Harness, Wiring - Battery Charger				
11	321-0175	1	Holder, Fuse				
12	321-0153	1	Fuse, 3 Amp				
13	300-2946	1	Board, Printed Circuit - Battery Charger				
	308-0816	1	Switch, Toggle - 3 PDT				
14			Transformer (Primary Voltage) 60 Hertz				
	315-0621-01	1	120 Volt				
	315-0621-02	1	208 Volt				
	315-0621-02	1	240 Volt				
	315-0621-03	1	380 Volt				
	315-0621-02	1	480 Volt				
	315-0621-04	1	600 Volt				
			50 Hertz				
	315-0621-02	1	200 Volt				
	315-0621-02	1	208 Volt				
	315-0621-02	1	220 Volt				
	315-0621-03	1	380 Volt				
	315-0621-03	1	416 Volt				

Battery Charger (10 Amp) (12 Volt)

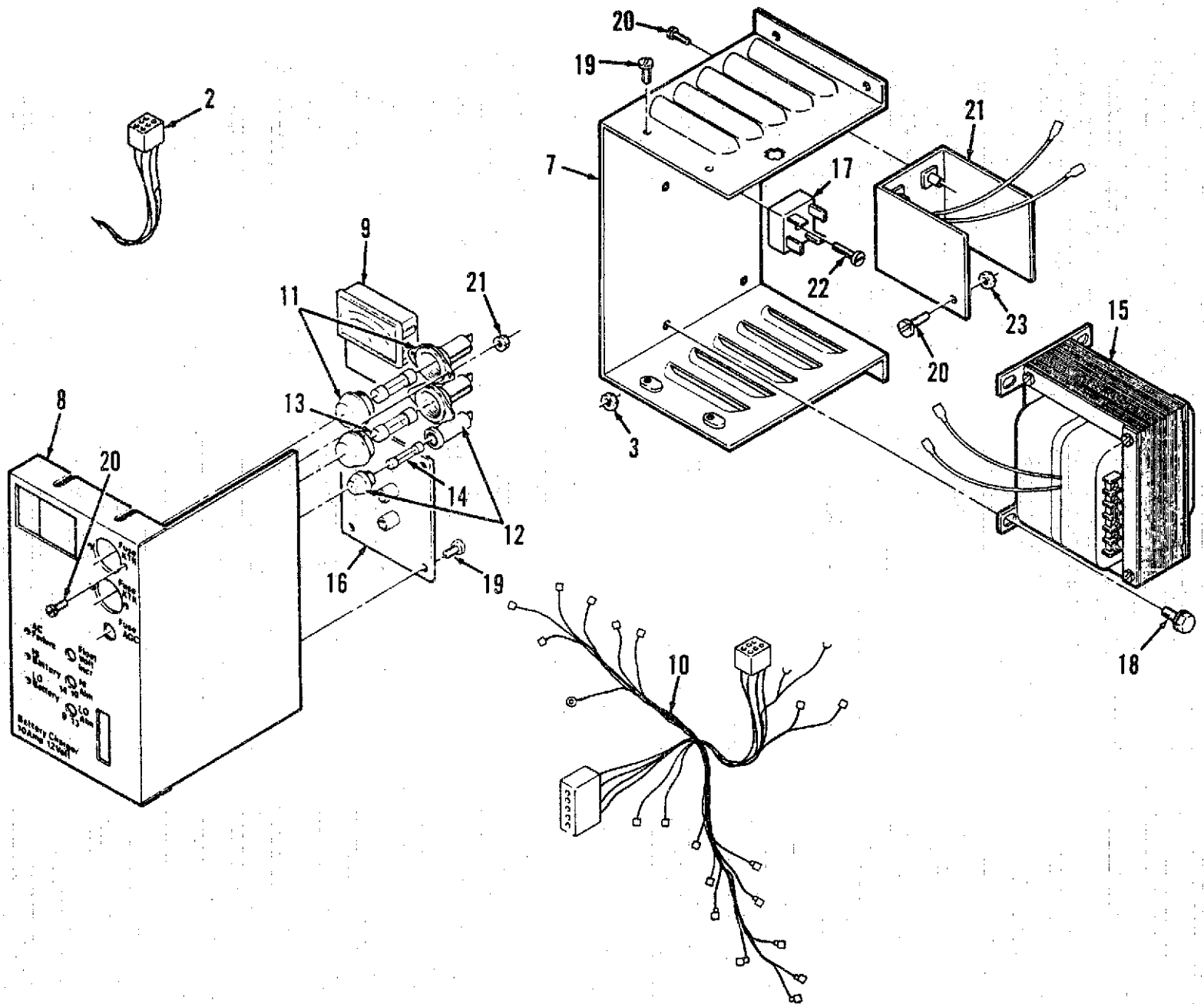


Battery Charger (10 Amp) (12 Volt)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	98-4339	1	Label, Option	14	321-0146	1	Fuse, 15 Amp
2	338-2161	1	Harness, Wiring - Battery Charger	15			Transformer (Primary Voltage 60 Hertz
3	870-0131	4	Nut, Lock - W/ET Washer (#10 - 32)		315-0665	1	120 Volt
4	332-2777	2	Terminal, Spade		315-0665	1	208 Volt
5	332-2420	8	Mount, Tie - Cable		315-0665	1	240 Volt
6	332-0942	20	Tie, Cable		315-0671	1	380 Volt
7	319-0072	1	Wrapper, Charger - Battery		315-0673	1	480 Volt
8	319-0073	1	Cover, Charger - Battery		315-0675	1	600 Volt
			Decal				50 Hertz
			500 Volt		315-0667	1	200 Volt
	98-5807	1	4.5 Amp		315-0669	1	220 Volt
	98-5808	1	2.5 Amp		315-0677	1	240 Volt
	98-5809	1	2.0 Amp		315-0679	1	347 Volt
	98-5995	1	1.5 Amp		315-0667	1	380 Volt
	98-5996	1	1.0 Amp		315-0667	1	400 Volt
			600 Volt		315-0669	1	416 Volt
	98-6039	1	1.0 Amp		315-0669	1	440 Volt
9	302-1844	1	Meter, Ampere - DC	16	300-3160	1	Board, Printed Circuit - Battery Charger
10	338-2223	1	Harness, Wiring - Battery Charger	17	305-0653	1	Rectifier, Bridge
11	321-0237	2	Holder, Fuse (AC Input)	18	821-0040	4	Screw, Lock (#10 - 32 x 5/16
12	321-0104	1	Holder, Fuse (DC Output)	19	815-0550	8	Screw, Pan Head - W/ET Washer (#6 - 32 x 3/8")
13			Fuse	20	822-2048	5	Screw, Pan Head (#8 - 32 x 1/2")
			500 Volt	21	305-0781	1	Rectifier, SCR
	321-0304-01	2	1.0 Amp	22	822-2050	1	Screw, Pan Head - W/ET Washer (#8 - 32 x 3/4")
	321-0304-02	2	1.5 Amp	23	870-0221	5	Nut, Lock - W/ET Washer (#8 - 32)
	321-0304-03	2	2.0 Amp	24	C-0308	1	Instruction Sheet
	321-0304-04	2	2.5 Amp				
	321-0304-05	2	4.5 Amp				
			600 Volt				
	321-0236	2	1.0 Amp				



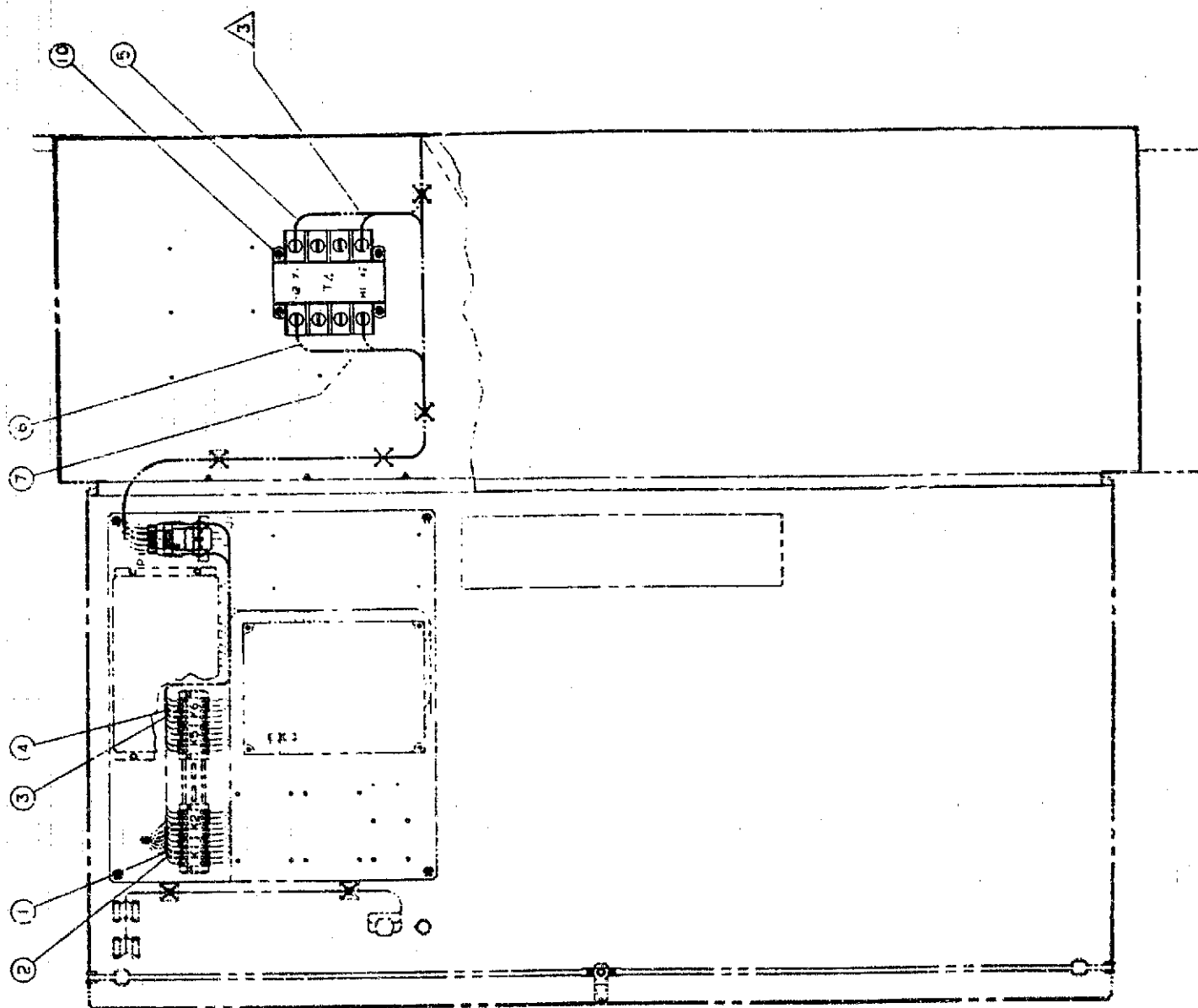
Battery Charger (10 Amp) (24 Volt)



Battery Charger (10 Amp) (24 Volt)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	98-4339	1	Label, Option	15			Transformer (Primary Voltage
2	338-2161	1	Harness, Wiring - Battery Charger				60 Hertz
3	870-0131	4	Nut, Lock - W/ET Washer (#10 - 32)	315-0666	1	120 Volt	
4	332-2777	2	Terminal, Spade	315-0666	1	208 Volt	
5	332-2420	8	Mount, Tie - Cable	315-0666	1	240 Volt	
6	332-0942	20	Tie, Cable	315-0672	1	380 Volt	
7	319-0072	1	Wrapper, Charger - Battery	315-0674	1	480 Volt	
8	319-0073	1	Cover, Charger - Battery	315-0676	1	600 Volt	
			Decal				50 Hertz
	98-5914	1	5.0 Amp	315-0668	1	200 Volt	
	98-5915	1	4.5 Amp	315-0670	1	220 Volt	
	98-5916	1	2.5 Amp	315-0678	1	240 Volt	
	98-5997	1	2.0 Amp	315-0680	1	347 Volt	
	98-5998	1	1.5 Amp	315-0668	1	380 Volt	
9	302-1844	1	Meter, Ampere - DC	315-0668	1	400 Volt	
10	338-2223	1	Harness, Wiring - Battery Charger	315-0670	1	416 Volt	
11	321-0237	2	Holder, Fuse (AC Input)	315-0670	1	440 Volt	
12	321-0104	1	Holder, Fuse (DC Output)	16	300-3244	1	Board, Printed Circuit - Battery Charger
13			Fuse	17	305-0653	1	Rectifier, Bridge
	321-0304-02	2	1.5 Amp	18	821-0040	4	Screw, Lock (#10 - 32 x 5/16)
	321-0304-03	2	2.0 Amp	19	815-0550	8	Screw, Pan Head - W/ET Washer (#6 - 32 x 3/8")
	321-0304-04	2	2.5 Amp	20	822-2048	5	Screw, Pan Head (#8 - 32 x 1/2")
	321-0304-05	2	4.5 Amp	21	305-0781	1	Rectifier, SCR
	321-0304-06	2	5.0 Amp	22	822-2050	1	Screw, Pan Head - W/ET Washer (#8 - 32 x 3/4")
14	321-0146	1	Fuse, 15 Amp	23	870-0221	5	Nut, Lock - W/ET Washer (#8 - 32)
				24	C-0308	1	Instruction Sheet

600 Volt Assembly

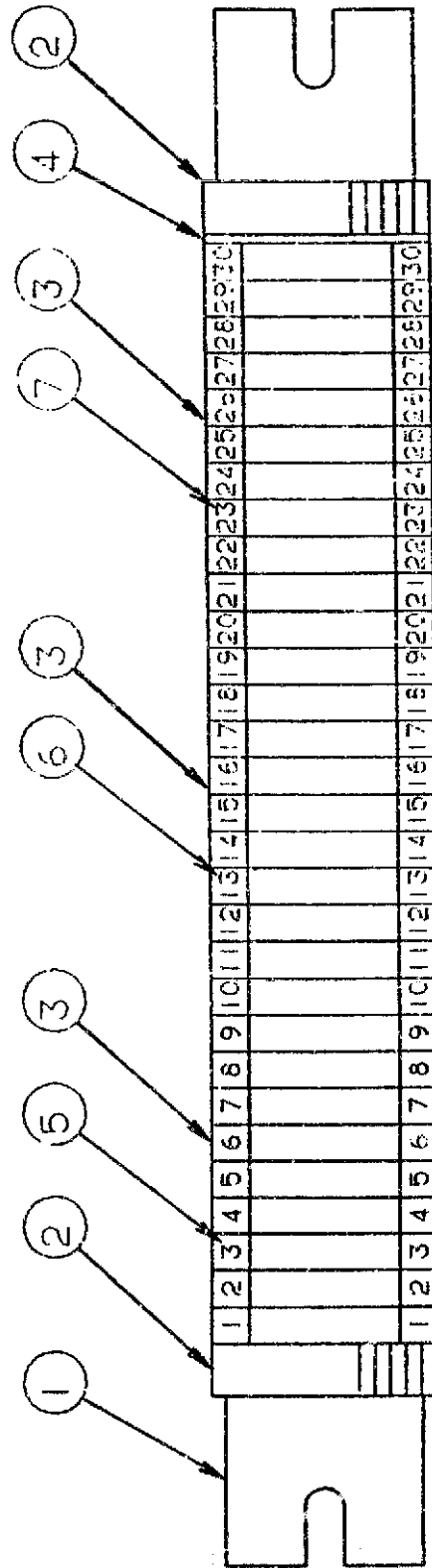


CABINET ASSY
DOOR OPEN 90°
(150-400 AMP CABINET SHOWN)

600 Volt Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1		1	Lead	6		1	Lead
2		1	Lead	7		1	Lead
3		1	Lead	8	315-0651	1	Transformer, Power (T4)
4		1	Lead	9	332-2823	1	Terminal, Spade (#10)
5		1	Lead	10	870-0212	4	Nut, Lock - Self (1/4 - 20)

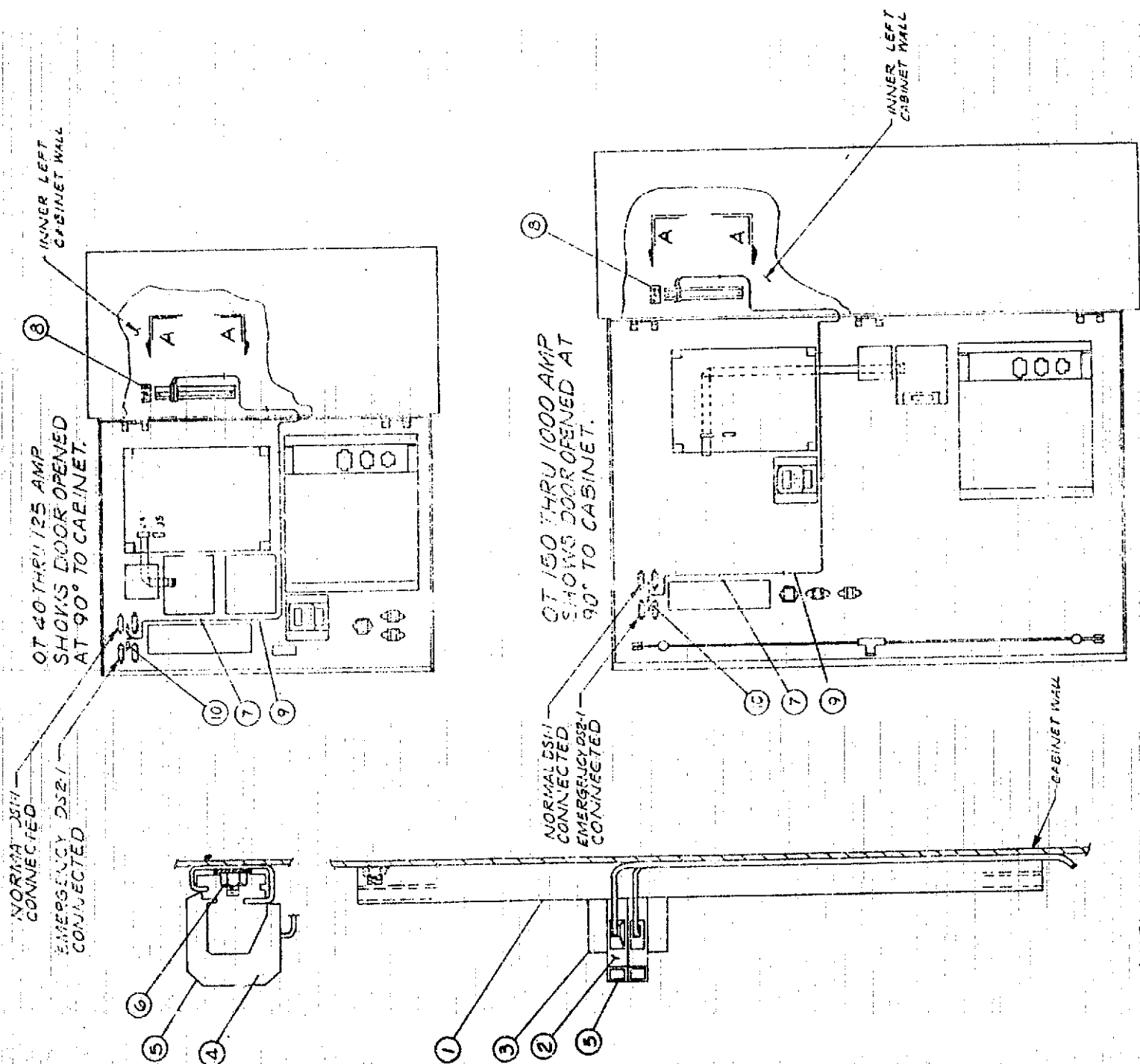
Terminal Block Assembly



Terminal Block Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-09	1	Rail, Terminal	5	332-2842-11	1	Tag, Terminal (1-20)
2	332-2839	2	Bracket, End - Terminal	6	332-2842-12	1	Tag, Terminal (11-20)
3	332-2836-02	3	Block, Terminal - Sectional	7	332-2842-13	1	Tag, Terminal (21-30)
4	332-2841	1	Plate, End - Terminal				

Remote Connection Signal Assembly

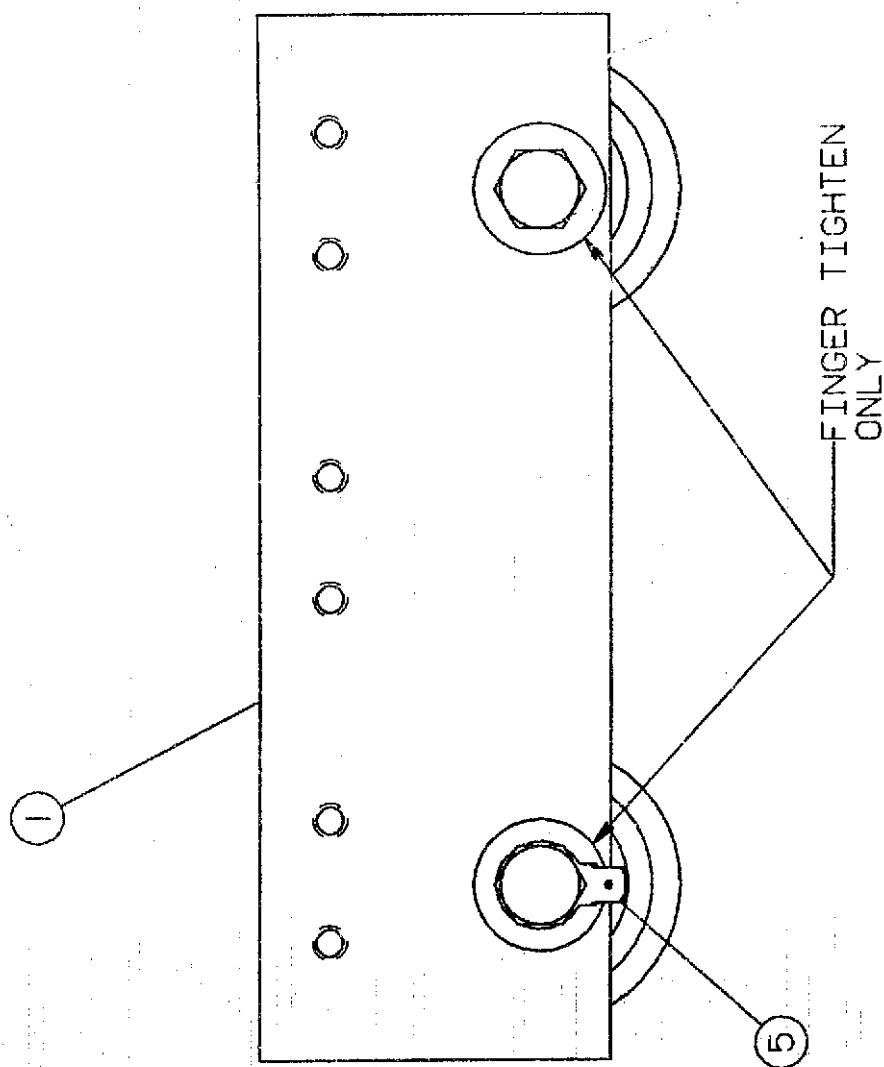
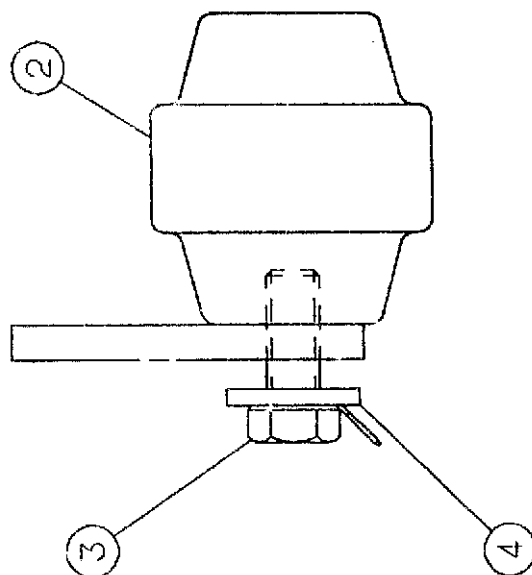


Remote Connection Signal Assembly

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	332-2837-09	1	Rail, Terminal
2	332-2836-01	2	Block, Terminal
3	332-2839	2	Bracket, End - Terminal
4	332-2841	1	Plate, End - Terminal
5	332-2842-16	2	Tag, Terminal
6	870-0221	2	Nut, Lock - External Tooth (#8 - 32)

REF NO.	PART NO.	QTY USED	PART DESCRIPTION
7	332-0942	10	Tie, Cable
8	98-5710	1	Decal, Block - Terminal
9	334-1841	1	Wire, TEW - 20 GA (20 Feet
10	332-2230	2	Terminal, Tap - Plier

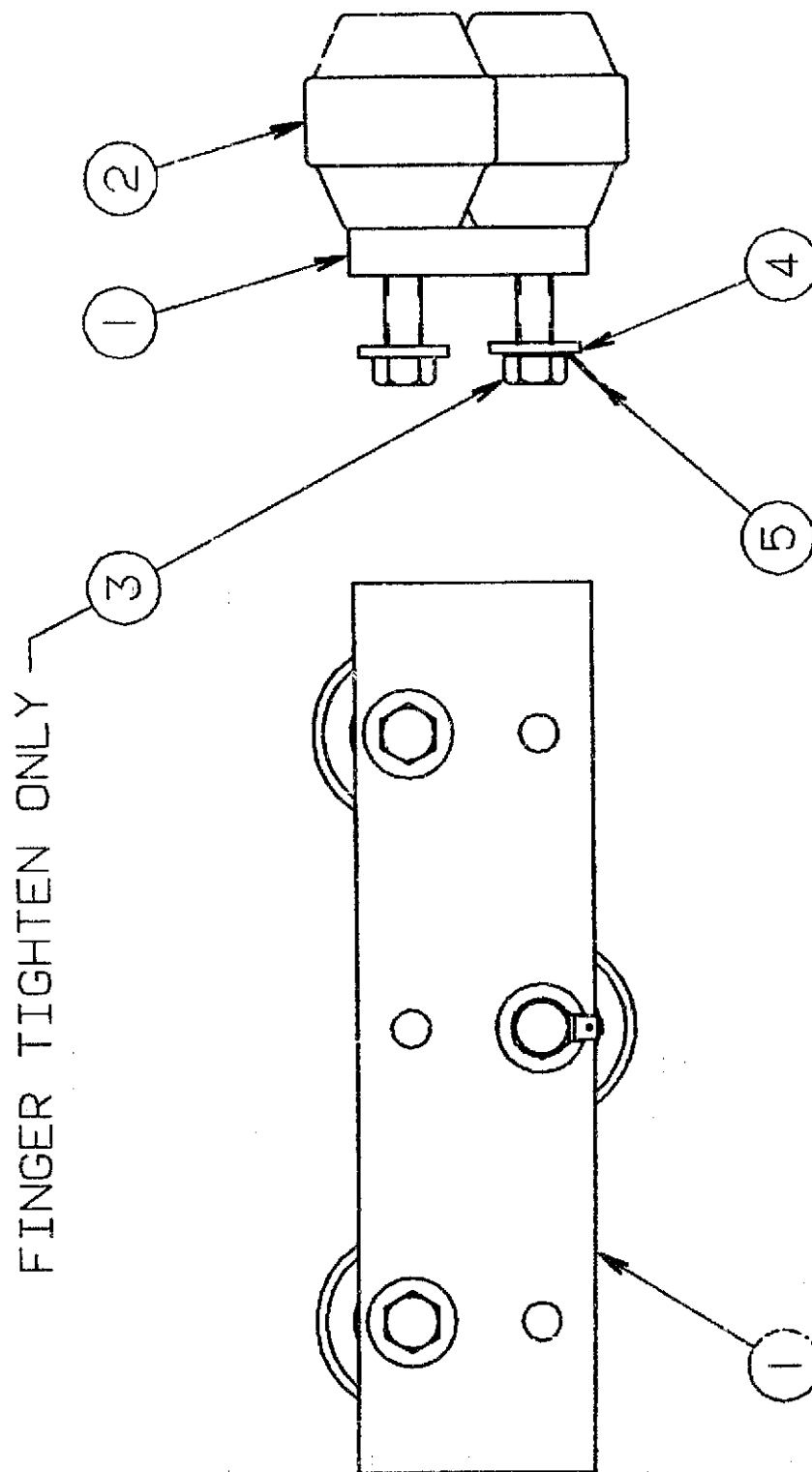
Neutral Bus Bar Assembly 600 Amp



Neutral Bus Bar Assembly 600 Amp

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-2511	1	Bus, Neutral	4	851-0222	2	Washer, Spring - Conical(3
2	332-2744-07	2	Standoff, Insulator	5	332-2564	1	Terminal, Ring
3	800-0049	2	Screw, Cap - Hex Head (3/8-16 x 7/8")				

Neutral Bus Bar Assembly 800 & 1000 Amp



Neutral Bus Bar Assembly 800 & 1000 Amp

REF NO.	PART NO.	QTY USED	PART DESCRIPTION	REF NO.	PART NO.	QTY USED	PART DESCRIPTION
1	337-2529-01	1	Bus, Neutral	4	851-0222	3	Washer, Spring - Conical(3/8
2	332-2744-07	3	Standoff, Insulator	5	332-2564	1	Terminal, Ring
3	800-0054	3	Screw, Cap - Hex Head (3/8-16 x 1-3/4")				

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98-4339	61	98-6368	39	300-3115-01	43	306-0508	29
98-4339	63	98-6369	37	300-3115-02	43	306-0508	31
98-4817	37	98-6369	39	300-3118	37	306-0508	33
98-4817	39	98-6379	37	300-3118	39	306-0603	11
98-5387	21	98-6379	39	300-3121	37	306-0668	7
98-5387	23	98-6380	37	300-3121	39	306-0668	9
98-5387	25	98-6380	39	300-3160	61	306-0668	27
98-5387	37	98-6383	21	300-3244	63	306-0668	29
98-5387	39	98-6383	23	300-3260	37	306-0668	31
98-5589	21	98-6383	25	300-3260	39	306-0668	33
98-5589	23	98-6384	37	300-3261	37	306-0669	7
98-5589	25	98-6384	39	300-3261	39	306-0669	9
98-5661	37	98-6441	35	300-3267	37	306-0669	27
98-5661	39	98-6442	21	300-3267	39	306-0669	29
98-5689	43	98-6442	23	301-9931	41	306-0669	31
98-5691	41	98-6442	25	301-9990	59	306-0669	33
98-5700	43	98-6443	21	301-9992	59	306-1041	7
98-5708	59	98-6443	23	302-0807	59	306-1041	9
98-5710	41	98-6443	25	302-1175	49	306-1041	27
98-5710	47	98-6451	5	302-1395	49	306-1041	29
98-5710	51	98-6481	37	302-1396	49	306-1041	31
98-5710	69	98-6481	39	302-1710	49	306-1041	33
98-5766	37	98-6508	37	302-1711	49	306-1398	7
98-5766	39	98-6508	39	302-1720	49	306-1398	9
98-5777-01	37	166-0122	7	302-1731	49	306-1398	27
98-5777-01	39	166-0122	9	302-1732	49	306-1398	29
98-5807	61	166-0122	27	302-1733	49	306-1398	31
98-5808	61	166-0122	29	302-1810	49	306-1398	33
98-5809	61	166-0122	31	302-1844	61	306-1987	7
98-5914	63	166-0122	33	302-1844	63	306-1987	9
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98-5996	61	226-3568-08	45	304-0139	59	306-2276	5
98-5997	63	226-3569-03	53	305-0653	21	306-2291	11
98-5998	63	226-3569-03	55	305-0653	23	306-2298	11
98-6039	61	226-3569-04	53	305-0653	25	306-3391	13
98-6107	21	226-3569-04	55	305-0653	61	306-3400-02	5
98-6107	23	300-2946	59	305-0653	63	306-3430	37
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98-6118	39	300-3092	37	306-0320	7	306-3431-01	27
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98-6352	23	300-3093-02	37	306-0320	31	306-3431-02	27
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