

563 QTY	U/M	ITEM	DESCRIPTION	PART NO.	REMARKS
1	EA	1	INSTRUCTIONS-PRINT	18-751-783-426	
1	EA	2	TB MOUNT PLATE	18-658-143-042	
1	EA	3	SCREW	00-615-331-122	
1	EA	4	TERMINAL BLOCK	15-171-051-010	
2	EA	5	STANDOFF	18-657-465-036	
8	EA	6	TERMINAL SCREWS	18-657-465-035	
10	EA	7	LOCKWASHER	00-655-047-060	
1	EA	8	COVER	18-658-100-045	
1	EA	9	LABEL	18-658-100-046	
3	EA	10	SCREW #6	18-658-110-031	
1	EA	11	SCREW #8	00-615-641-903	
1	EA	12	MOUNTING BRACKET	18-721-492-501	
1	EA	13	SCREW .312-18X1.25	00-611-315-424	
1	EA	14	LOCKWASHER .312	00-655-017-030	
2	EA	15	SCREW .25-20X1.0	15-171-399-011	
2	EA	16	LOCKWASHER .25	00-655-017-026	
2	EA	17	NUT, .25-20	00-631-003-104	
1	EA	18	PLASTIC BAG	15-171-004-041	
1	EA	19	LABEL	18-751-783-026	

STANDARD DRAWING

DO NOT DESTROY, CHANGE OR
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OF DESIGN ENGINEERING.

USED ON: RETROFIT KITS

2R:

* CAD GENERATED. DO NOT CHANGE MANUALLY.

MATERIAL		01 10/23/92	Confidential-Property of Siemens Energy & Automation, Inc. Electrical Apparatus Division					
			1-PLACE DECIMAL ± 06 2-PLACE DECIMAL ± 03 3-PLACE DECIMAL ± 01	ANGULAR	☒ MACHINED SURFACE TEXTURE	SIMILAR TO		
			DATA BASE	8KKWQ9N		DR AM CH APP	BULLETIN 10 / 92	
			N-C 2 N	CURRENT DATE 3-8	PART NUMBER 9-19 18-658-701-563		ISS 20-21 01	
TYPE 22 A	REP. 23 M	PART NAME 24-43 ST. MTG. KIT LA-3000/4000		N.M. 44-48 01	49-53 1	SCALE 1X	CHARACTERISTICS 	SHEET NO. 1 OF 1

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551 QTY	U/M	ITEM	DESCRIPTION	PART NO.	REMARKS
1	EA	1	INSTRUCTIONS-PRINT	18-751-783-414	
1	EA	2	PT MODULE	18-817-538-501	
3	EA	3	FUSE BLOCK	15-172-704-001	
8	EA	4	TERMINAL	15-172-099-004	
5	FT.	5	WIRE HI-TEMP	15-172-756-010	
4	EA	6	TERMINAL .38 RING	00-851-061-052	
1	EA	7	4 PIN CONNECTOR	18-658-143-058	
10	EA	8	TYRAP	00-857-271-230	
6	EA	9	TYRAP MTG. PLATE	15-171-949-093	
3	EA	10	STUD .312-18 X 2.5	18-658-143-107	
9	EA	11	WASHER .323	00-651-027-170	
9	EA	12	NUT .312-18 (HALF)	00-631-171-105	
9	EA	13	LOCKWASHER .312	00-655-047-180	
1	EA	14	SCREW .375-16X2 LG. HEX HD	00-611-315-474	
2	EA	15	JAM NUT .375-16	00-631-171-106	
3	EA	16	WASHER	00-651-027-215	
2	EA	17	LOCKWASHER	00-655-017-032	
2	EA	18	SCREW	15-171-399-010	
6	EA	19	SCREW	00-615-651-124	
3	EA	20	SCREW	00-615-644-220	
3	EA	21	FUSE	15-172-704-002	
1	EA	22	DRILL TEMPLATE	18-658-143-575	
1	EA	23	DRILL TEMPLATE	18-658-143-577	
1	EA	24	PLASTIC BAG	15-171-004-041	
1	EA	25	LABEL	18-751-783-014	

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MATERIAL LA3000, LA3000A, LA3200A, LA4000, LA4000A		01		Confidential-Property of Siemens Energy & Automation, Inc. Electrical Apparatus Division					
		10/23/92		1-PLACE DECIMAL ± 06 2-PLACE DECIMAL ± 03 3-PLACE DECIMAL ± 01		ANGULAR	SIMILAR TO		
				DATA BASE		8KKWQ9B	MACHINED SURFACE TEXTURE		
				CURRENT DATE		PART NUMBER 9-19	ISS		
TYPE 22 A		REP 23 M	PART NAME 24-43 P.T. KIT		N.M. 44-48 01	49-53 1	SCALE 1X	CHARACTERISTICS	SHEET NO. 1 OF 1

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542 QTY	U/M	ITEM	DESCRIPTION	PART NO.	REMARKS
1	EA	1	INSTRUCTIONS-PRINT	18-751-783-405	
1	EA	2	SIGNAL DISCONNECT	18-752-300-516	
1	EA	3	POSITION SWITCH	18-751-786-501	
3	EA	4	SCREWS	15-171-399-010	
4	EA	5	SCREWS	15-171-074-010	
1	EA	6	BRACKET	18-752-300-006	
1	EA	7	DRILL TEMPLATE	18-658-143-570	
2	EA	8	SCREWS #10 FL. HD.	15-171-074-012	
1	EA	9	PIN	18-658-143-112	
3	EX	10	X WASHER	15-171-399-035	
1	EA	11	BRACKET	18-658-143-119	
1	EA	12	PLASTIC BAG	15-171-004-041	
1	EA	13	LABEL	18-751-783-005	
	EA	14			
	EA	15			
	EA	16			
	EA	17			

USED ON: RETROFIT KITS

2R:

* CAD GENERATED, DO NOT CHANGE MANUALLY.

STANDARD DRAWING

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OF DESIGN ENGINEERING.

MATERIAL		01 10/23/92	Confidential-Property of Siemens Energy & Automation, Inc. Electrical Apparatus Division					
			1-PLACE DECIMAL ± 06 2-PLACE DECIMAL ± 03 3-PLACE DECIMAL ± 01		ANGULAR	✓	SIMILAR TO	
			DATA BASE		8KKWQ92	MACHINED SURFACE TEXTURE	DR AM CH APP	BULLETIN 10/92
			N-C 2 N	CURRENT DATE 3-8	PART NUMBER 9-19 18-658-701-542		ISS 20-21 01	
TYPE 22 A	REP 23 M	PART NAME 24-43 SIGNAL DISC, LA3000/4000		N.M. 44-48 01	49-53 1	SCALE 1X	CHARACTERISTICS ◁	SHEET NO. 1 OF 1

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540 QTY	U/M	ITEM	DESCRIPTION	PART NO.	REMARKS
1	EA	1	INSTRUCTIONS-PRINT	18-751-783-403	
1	EA	2	SIGNAL DISCONNECT	18-752-300-516	
1	EA	3	POSITION SWITCH	18-658-143-572	
4	EA	4	SCREWS	15-171-399-010	
5	EA	5	SCREWS	15-171-074-010	
1	EA	6	TEMPLATE	18-658-143-573	
1	EA	7	PLASTIC BAG	15-171-004-041	
1	EA	8	LABEL	18-751-783-003	
	EA	9			
	EA	10			
	EA	11			
	EA	12			

STANDARD DRAWING

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ADD MARK NO'S W/O APPROVAL
OF DESIGN ENGINEERING.

USED ON: RETROFIT KITS 2R:

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MATERIAL		01		Confidential-Property of Siemens Energy & Automation, Inc. Electrical Apparatus Division				
		10/22/92		1-PLACE DECIMAL ± 06 2-PLACE DECIMAL ± 03 3-PLACE DECIMAL ± 01		ANGULAR	SIMILAR TO	
				DATA BASE		8KKWQ90	MACHINED SURFACE TEXTURE	
							DR AM CH APP	
				CURRENT DATE 3-8		PART NUMBER 9-19 18-658-701-540		ISS 20-21 01
TYPE 22 A	REP 23 M	PART NAME 24-43 SIGNAL DISC, LA1600A/B BREAKER			N.M. 44-48 01	49-53 1	SCALE 1X	CHARACTERISTICS SHEET NO. 1 OF 1

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528 QTY	U/M	ITEM	DESCRIPTION	PART NO.	REMARKS
1	EA	1	INSTRUCTIONS	18-751-782-405	
3	EA	2	SENSORS 3000A	61-300-065-508	
25	FT.	3	WIRE #18 SIS INSUL	00-557-286-003	
-	EA	4	CT SPACER	18-658-024-052	
10	EA	5	TERMINAL #6 RING	15-172-099-001	
20	EA	6	TERMINAL #10 RING	15-172-099-003	
3	EA	7	TERMINAL .25 FASTON	15-172-099-007	
10	EA	8	TYRAP	00-857-271-230	
2	EA	9	TYRAP	15-171-053-002	
2	EA	10	TYRAP MTG. PLATE (ADHES)	15-171-949-093	
1	EA	11	PLASTIC BAG	15-171-004-041	
1	EA	12	BOX	18-751-703-001	
1	EA	13	LABEL	18-658-143-074	
18	EA	14	SCREWS	00-615-024-006	LA3000 AND LA4000
1	EA	15	LABEL-TYPED	18-751-782-028	
	EA	16			

STANDARD DRAWING

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OF DESIGN ENGINEERING.

USED ON: RETROFIT KITS

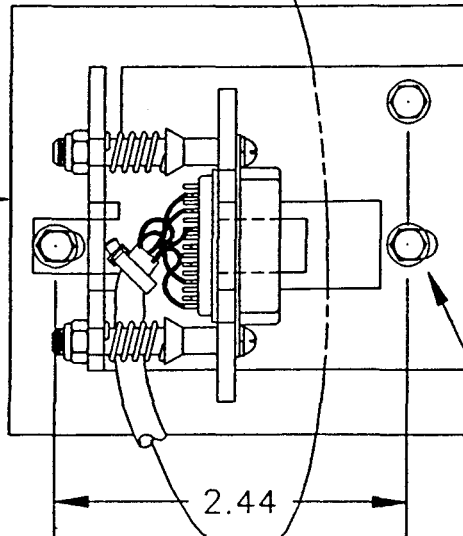
2R:

* CAD GENERATED, DO NOT CHANGE MANUALLY.

01 08/31/92		Confidential-Property of Siemens Energy & Automation, Inc. Electrical Apparatus Division						
		1-PLACE DECIMAL ± 06 2-PLACE DECIMAL ± 03 3-PLACE DECIMAL ± 01	ANGULAR	✓ MACHINED SURFACE TEXTURE	SIMILAR TO			
		DATA BASE 8KKWQ80			DR APM BULLETIN CH 08/92 APP			
		MATERIAL 3200A SIZE	N-C 2	CURRENT DATE 3-8	PART NUMBER 9-19 18-658-701-528	ISS 20-21 01		
TYPE 22 A	REP 23 M	PART NAME 24-43 SENSOR KIT 3000A TAPPED 3000A		N.M. 44-48 01	49-53 1	SCALE 1X	CHARACTERISTICS ◁	SHEET NO. 1 OF 1

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B

DISCONNECT
BRACKET

at on LA-3000, and LA-4000 circuit
 "PX" versions of Static Trip III family.

70 (in kit)
 ench
 nch

ght hand backpanel support angle of breaker.

d self tapping screws.

#10-32 HEX HEAD SCREWS (3) .32 hex head self tapping screws.

unting bracket, and mount position switch.

BREAKER MAIN
 SHAFT

witch N.O. contacts. Plug ten (10) pin

PHASE 3
 MAIN SHAFT
 LINKS

sharp edges and moving parts.

TRIP DEVICE
 MTG. BRACKET

REF:
 BREAKER FRONT

#6-32 HEX HEAD
 SCREWS (2)
 (USE EXISTING HOLES)

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POSITION SWITCH
 MOUNTING

ANGULAR

SIMILAR TO

MACHINED
 SURFACE
 TEXTURE

DR opm
 CH
 APP

BULLETIN
 09/92

BASE

8M4BS0D

CURRENT DATE
 3-8

PART NUMBER 9-19

18-751-783-405

ISS
 20-21
 01

PARTIAL F

N.M.
 44-48

49-53

SCALE

CHARACTERISTICS

SHEET NO.

1 OF 1

B

A

A

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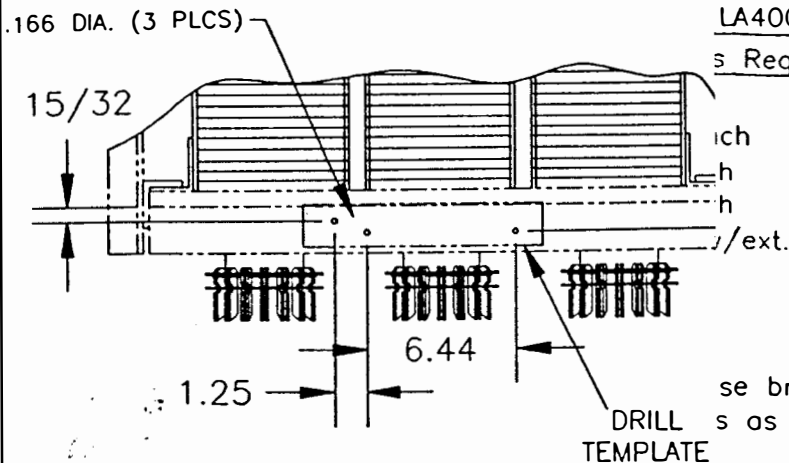
LA-3000A, LA-3200A, LA-4000A, LA-4000B KIT 18-658-701-551.

Mount Potential Transformer 18-817-538-501

LA4000, LA4000A, and LA4000B circuit breakers.

Tools Required:

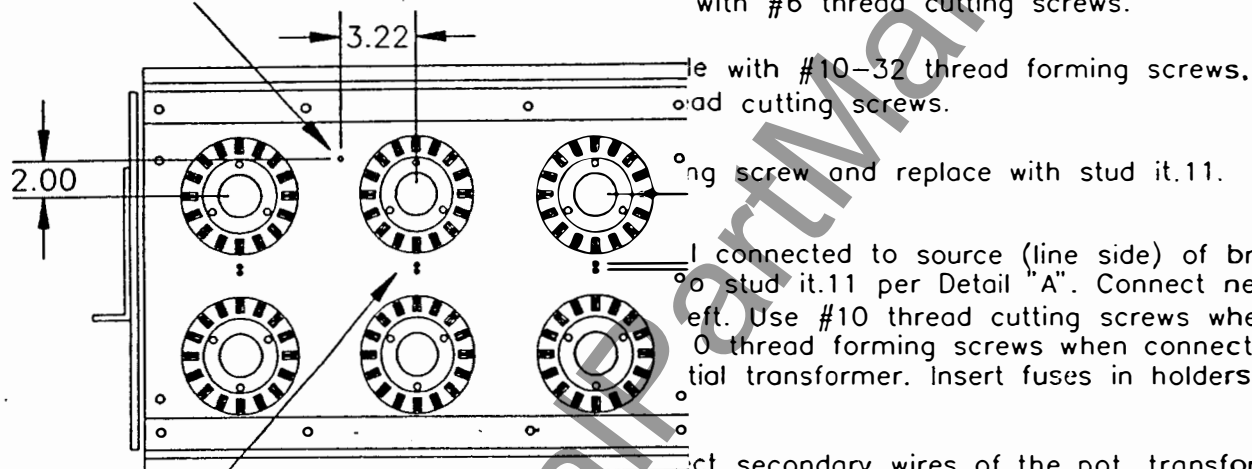
Screw Driver 1/4 inch Blade
Allen Wrenches 5/32 and 3/16 Hex
9/16 and 11/16 Open End Wrenches
Wire Cutter
Wire Stripper #22 AWG, #14 AWG
Terminal Crimper T&B (WT-145C)
Drill Templates 18-658-143-575, 577



Use brackets, primary disconnects and any other components as shown 7/16 deep, Drill .166 dia. holes

(1) .166 DIA. .50 DEEP

with #6 thread cutting screws.



.125 DIA. (6) HOLES, .44 DEEP FOR FUSE BLOCK MOUNTING.

Connect secondary wires of the pot. transformer to the breaker. Terminal #1 is the upper terminal when looking at the breaker facing left.

ON BREAKERS THAT OPERATE ON A THREE WIRE SYSTEM
CONNECT THE NEUTRAL TO THE INSULATED BACKPLATE.
ON BREAKERS THAT OPERATE ON A FOUR WIRE SYSTEM
CONNECT THE NEUTRAL TO THE GROUND POTENTIAL.

of the trip unit, clear moving parts, and connect terminal #1 facing up.

STANDARD DRAWING

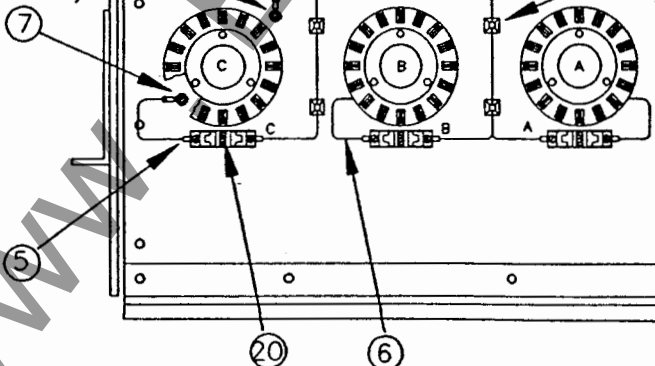
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Electrical Apparatus Division

PLACE DECIMAL ± .06	ANGULAR	✓ MACHINED SURFACE TEXTURE	SIMILAR TO	
PLACE DECIMAL ± .03			DR <u>gpm</u>	BULLETIN
PLACE DECIMAL ± .01			CH <u>09</u>	92
TA BASE 8M4BSOM				
CURRENT DATE 3-8	PART NUMBER 9-19		ISS 20-21	
18-751-783-414		01		
N.M. 44-48	49-53	SCALE 1X	CHARACTERISTICS	SHEET NO. 1 OF 1

SEE DET. "A" (3 PLCS)



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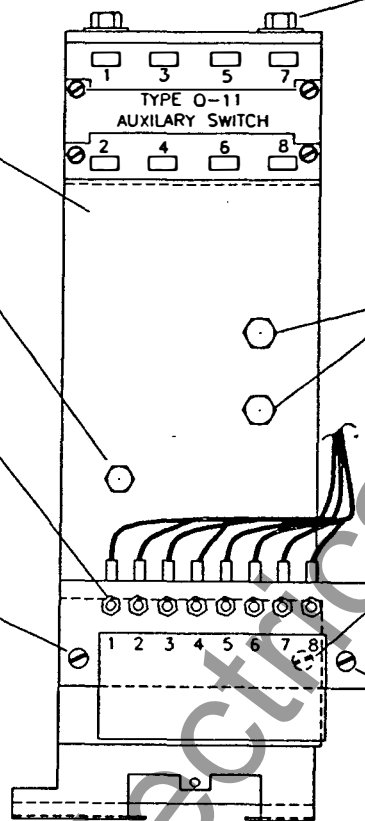
Tools Required: 1/4 Nutdriver or hardware to mount Static Trip III
 3/8 socket wrench breakers originally equipped with
 7/16 open end w II trip devices.
 1/2 open end w
 9/16 open end w
 Screwdriver (1/4

block. Pull wires back through
 wire from current transformers
 el.

try switch to the top of the trip
 ee bolts holding the trip device
 Remove the bracket and the old

cket; new hardware is supplied in
 NUT II the top of the new bracket

vice mounting bracket. See
 agement. Rewire actuator per
 18-751-782-402, 403, and



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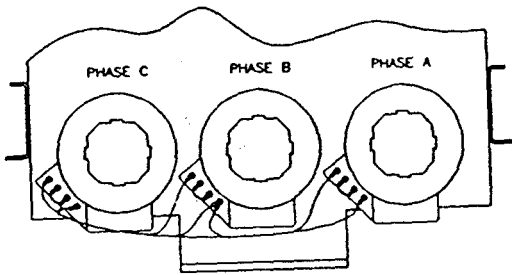
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 Electrical Apparatus Division

Terminal Block

PLACE DECIMAL ± .06		ANGULAR	✓	SIMILAR TO	
PLACE DECIMAL ± .03				BULLETIN	
PLACE DECIMAL ± .01				08 / 92	
BASE		8M4BSOY	MACHINED SURFACE TEXTURE	DR opm	CH
CURRENT DATE 3-8		PART NUMBER 9-19		ISS 20-21	
		18-751-783-426		01	
N.M. 44-48	49-53	SCALE 1X	CHARACTERISTICS	SHEET NO. 1 OF 1	

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sensors for Static Trip III series devices
, LA-4000A, LA-4000B, and RL-3200 thr



mend T&B WT-145C)
(hex socket screws)
(button head screws)
(head screws)

the breaker., mount all the transformers on the
ects to retain the CT's. All CT's. to be mounted
On units with button head screws, replace the
those from the kit, do not over-tighten and
hage to the button head screws.

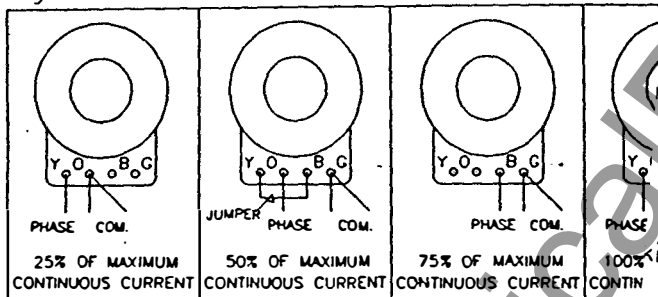
Represents Type "LA" & "RL" Breakers
3000 Amp To 4000 Amp

m of the breaker for other non-standard
ound fault tripping, 4-wire ground, etc...

to the terminal block of the trip device.

See Fig.4 Wire Ø1
Wire Ø2
Wire Ø3 In Wiring Diagrams

Figure 4:



(common, B phase connector connects
ector connects to terminal #4 of trip

it, route wires to avoid moving ports and sharp

Phase connects to 1, 2, or 3 in wiring del.
Com. connects as 0 in diagrams.

50.

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PLACE DECIMAL ± .06 PLACE DECIMAL ± .03 PLACE DECIMAL ± .01	ANGULAR	✓	SIMILAR TO
A BASE	8M4BRWL	MACHINED SURFACE TEXTURE	DR <u>apm</u> BULLETIN
C CURRENT DATE 3-8	PART NUMBER 9-19	CH <u>07</u> APP <u>92</u>	ISS 20-21
N.M. 44-48	49-53	SCALE 1X	SHEET NO. 01
CHARACTERISTICS			1 OF 1

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