

CATERPILLAR SR4

3EF / SEBP2015

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7E-4300 CHART-METER PANEL

7E4300 CHART-METER PANEL-PART 1 OF 5 GENERATOR MOUNTED

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7E-4300 CHART-METER PANEL

7E4300 CHART-METER PANEL-PART 2 OF 5 GENERATOR MOUNTED

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III. DESCRIPTION OF EQUIPMENT SPECIFIED BY MODEL NUMBER.

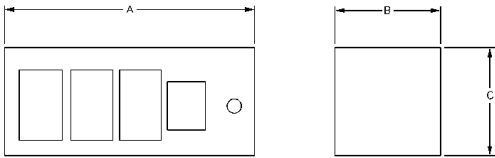
- 1 — THE FIRST CHARACTER OF THE MODEL NUMBER IS A "G" INDICATING THAT THIS IS A GENERATOR MOUNTED METER PANEL.
- 2 — THE SECOND CHARACTER OF THE MODEL NUMBER INDICATES THE GENERATOR FRAME SIZE AND PANEL TYPE. THE FRAME SIZE DETERMINES THE PHYSICAL DIMENSIONS OF THE METER PANEL. SEE TABLE 1 AND FIGURE 1.

GBC3BX5

TABLE 1

	PANEL TYPE	GENERATOR FRAME SIZE	PANEL DIMENSIONS			BASE PART NO.	ENCLOSURE PART NO.	LENGTH OF 7W-9991
			A	B	C			
A	STANDARD	360	603.25	304.8	127	116-9602	116-9601	595 MM
B	STANDARD	440/580 680/800(SR4) 690/820(SR4B)	698.5	304.8	127	113-0848	113-0847	690 MM

FIGURE 1



- 3 — THE THIRD CHARACTER OF THE MODEL NUMBER SPECIFIES THE ENGINE GENERATOR SET MODEL ON WHICH THE PANEL WILL BE INSTALLED.

MODEL GBC3BX5

PACKAGE GENERATOR SET	CHARACTER
3208	A
3304	B
3306	C
3406	D
3408	E
3412	F
3508	G
3512	J
3516	L

Ref. Part number Description

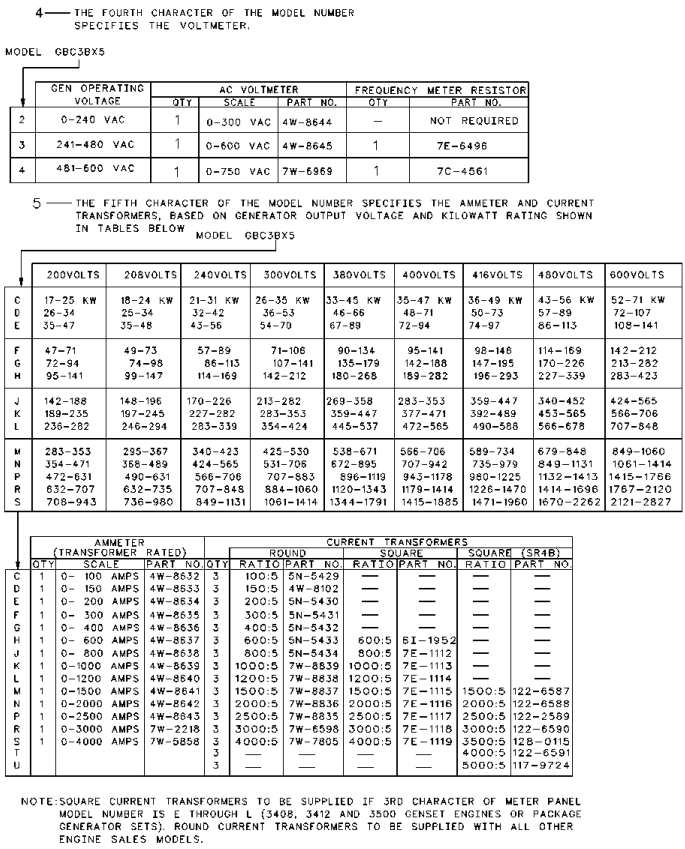
Qty Code Group
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7E-4300 CHART-METER PANEL

7E4300 CHART-METER PANEL-PART 3 OF 5 GENERATOR MOUNTED

Drawing 1 of 1

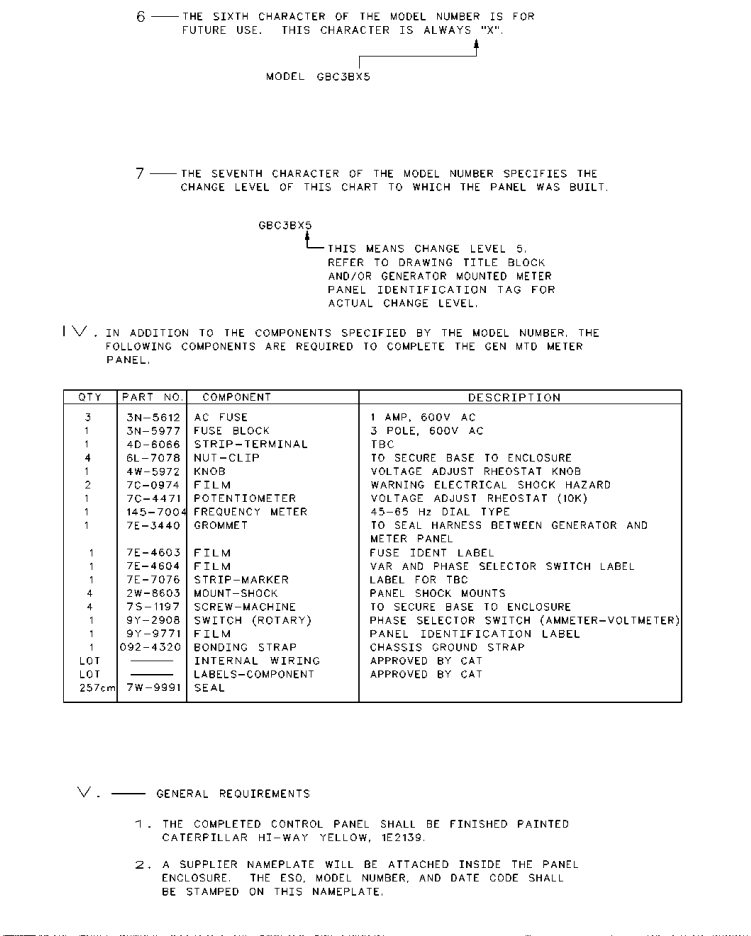


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7E-4300 CHART-METER PANEL

7E4300 CHART-METER PANEL-PART 4 OF 5 GENERATOR MOUNTED

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7E-4300 CHART-METER PANEL

7E4300 CHART-METER PANEL-PART 5 OF 5 GENERATOR MOUNTED

Drawing 1 of 1

3. STANDARD HARDWARE FASTENERS USED FOR SHEETMETAL TO SHEETMETAL SECUREMENT SHALL BE TORQUED TO THE VALUES GIVEN BELOW. IN ADDITION TYPE B LOCTITE SEALANT AS SPECIFIED BY 1E2200 SHALL BE USED.

SCREW SIZE (INCH)	STANDARD HARDWARE			
	NEWTON-METERS		FOOT-LBS	
	MIN	MAX	MIN	MAX
4-40	0.37	0.53	0.3	0.4
6-32	0.69	0.98	0.5	0.7
8-32	1.41	2.01	1.0	1.5
10-32	2.35	3.36	1.7	2.5
1/4-20	5.70	8.14	4.2	6.0
5/16-18	10.44	14.91	7.7	11.0
3/8-16	18.03	25.76	13.3	19.0
7/16-14	28.48	40.68	21.3	30.0
1/2-13	42.71	61.02	31.5	45.0
9/16-12	62.65	89.50	46.2	66.0
5/8-11	88.28	126.11	65.1	93.0
3/4-10	142.38	203.40	105.0	150.0
7/8-9	191.74	273.91	141.4	202.0

4. METER PHASE SELECTOR SWITCH POSITION VS. PHASE

POSITION	OFF	1	2	3
AMMETER READING	OFF	PHASE 1	PHASE 2	PHASE 3
VOLTMETER READING	OFF	PH 1 TO 2	PH 2 TO 3	PH 3 TO 1

5. HARDWARE FASTENERS USED FOR MOUNTING INTERNAL COMPONENTS SHALL BE PLATED AS SPECIFIED BY 1E0397B, 1E1675D, 1E1675E, OR 1E1675F.

- ✓ 1. — CATERPILLAR REFERENCE DRAWINGS
7E-4301 CHANGE 04 INSTRUCTIONS
7E-4302 PANEL ARRANGEMENT
7E-7078 MOUNTING GP

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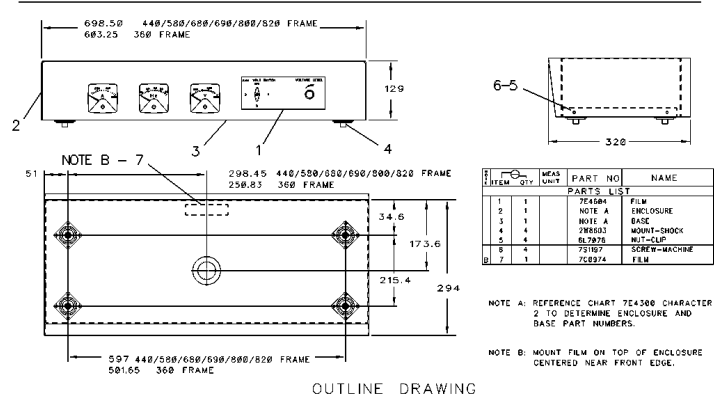
7E-4301 INSTRUCTIONS-METER PANEL

7E4301 INSTRUCTIONS-METER PANEL-PART 1 OF 5 GENERATOR MOUNTED

Drawing 1 of 1

A	AMPS	—	PRINTED CIRCUIT BOARD CIRCUITRY
AM	AC AMMETER		SHIELDED WIRE
AVS	AMMETER-VOLTMETER PHASE SELECTOR SWITCH	----	ENGINE WIRING JUMPER
BATT	BATTERY		GENERATOR FRAME (CHASSIS) GND
C	COMMON		EARTH GROUND
CT	CURRENT TRANSFORMER	---	MANUALLY OPERATED CONTROL
F	FUSE	└---	OPERATED BY TURNING
FB	FUSE BLOCK		FUSE
FM	FREQUENCY METER		FUSE
FMR	FREQUENCY METER RESISTOR		ADJUSTABLE LO-HI
Hz	FREQUENCY (CYCLES PER SECOND)		AC VOLTS
L	LOAD LEADS		ON,RUN
T	GENERATOR LINE LEADS		OFF,STOP
V	VOLTS		DC VOLTS
VM	AC VOLTMETER		CONNECTOR (PLUG & SOCKET)
VAR	VOLTAGE ADJUST RHEOSTAT		RESISTOR
	ENGINE GENERATOR TERM. PT.		CIRCUIT BREAKER
	METER PANEL TERM. PT.		CIRCUIT BREAKER
	VOLTAGE REGULATOR TERM. PT.		
—	STANDARD WIRING		
----	OPTIONAL WIRING		
----	REQUIRED CUSTOMER WIRING		

ABBREVIATIONS AND SYMBOLS

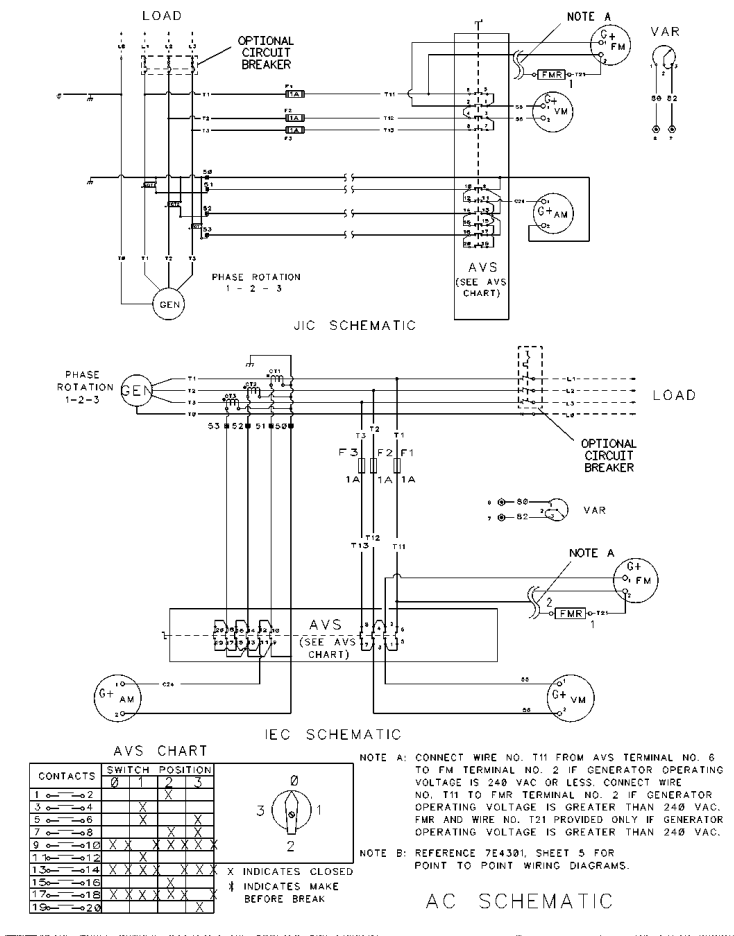


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7E-4301 INSTRUCTIONS-METER PANEL

7E4301 INSTRUCTIONS-METER PANEL-PART 2 OF 5 GENERATOR MOUNTED

Drawing 1 of 1

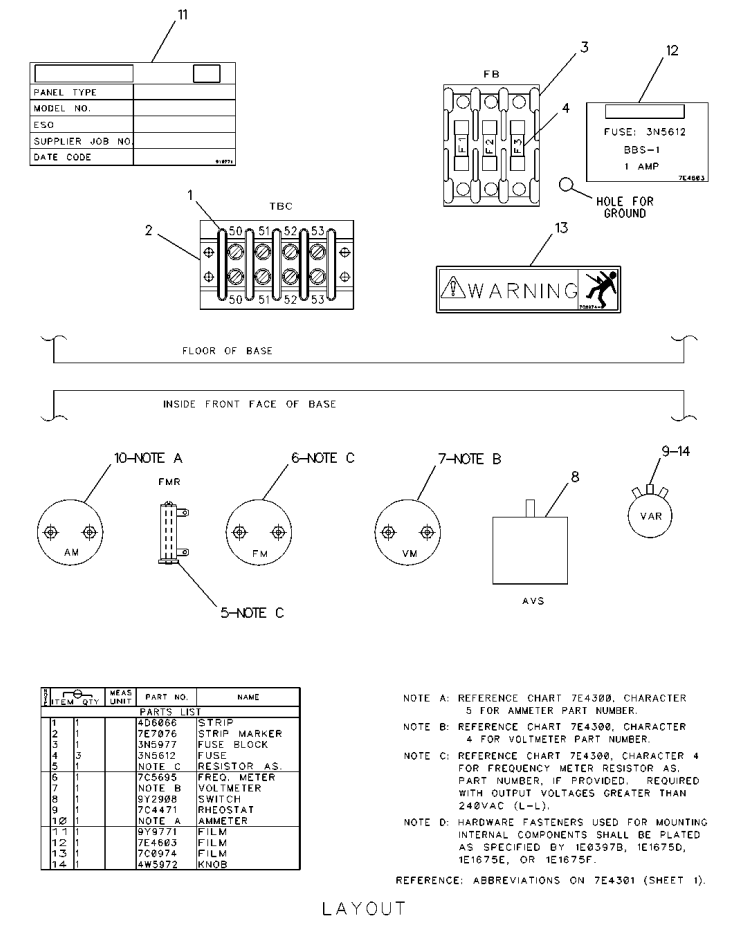


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7E-4301 INSTRUCTIONS-METER PANEL

7E4301 INSTRUCTIONS-METER PANEL-PART 3 OF 5 GENERATOR MOUNTED

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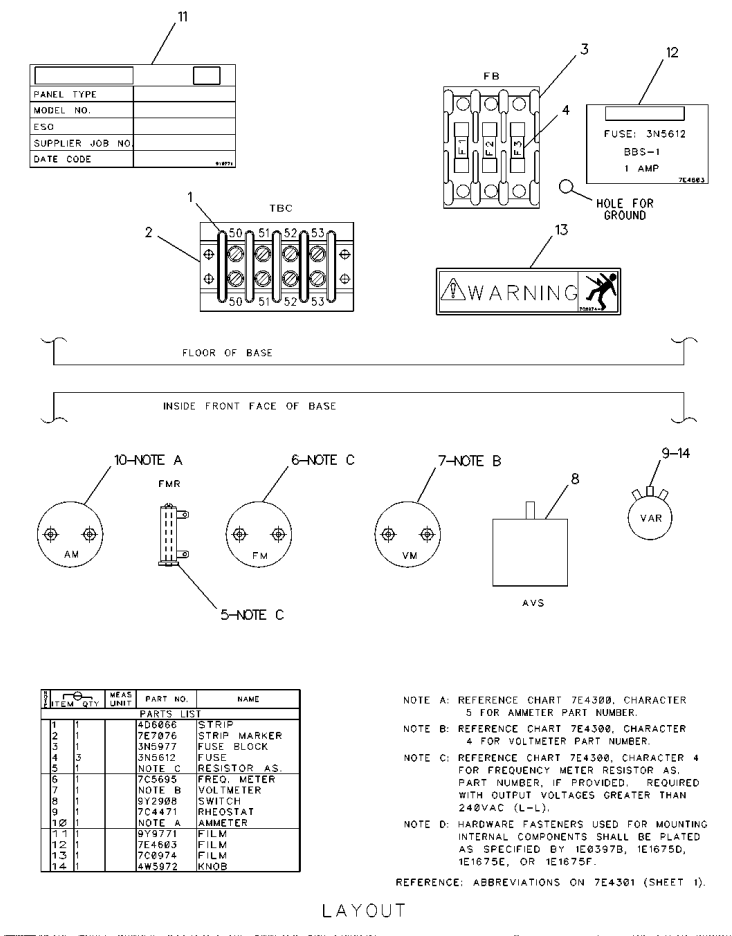


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7E-4301 INSTRUCTIONS-METER PANEL

7E4301 INSTRUCTIONS-METER PANEL-PART 4 OF 5 GENERATOR MOUNTED

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3EF-SEBP2015

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