

CATERPILLAR SR4

5TD / SEBP2015

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7E-4300 CHART-METER PANEL

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

Drawing 1 of 1



Ref.	Part number	Description	Qty	Code	Group page
Parts list rows are not synced on this VPS for SEBP2015/SEBP20150001 yet.					

7E-4300 CHART-METER PANEL

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

Drawing 1 of 1

III. DESCRIPTION OF EQUIPMENT SPECIFIED BY MODEL NUMBER.

- 1

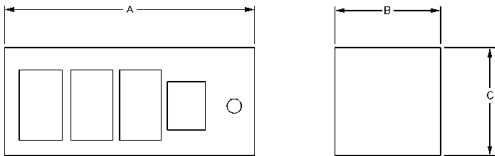
THE FIRST CHARACTER OF THE MODEL NUMBER IS A "G" INDICATING THAT THIS IS A GENERATOR MOUNTED METER PANEL.
- 2

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

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7E-4300 CHART-METER PANEL

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

Drawing 1 of 1

4 — THE FOURTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE VOLTMETER.

MODEL GBC3BX5

	GEN OPERATING VOLTAGE	AC VOLTMETER			FREQUENCY METER RESISTOR	
		QTY	SCALE	PART NO.	QTY	PART NO.
2	0-240 VAC	1	0-300 VAC	4W-8644	—	NOT REQUIRED
3	241-480 VAC	1	0-600 VAC	4W-8645	1	7E-6496
4	481-600 VAC	1	0-750 VAC	7W-6969	1	7C-4561

5 — THE FIFTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE AMMETER AND CURRENT TRANSFORMERS, BASED ON GENERATOR OUTPUT VOLTAGE AND KILOWATT RATING SHOWN IN TABLES BELOW

MODEL GBC3BX5

	200VOLTS		208VOLTS		240VOLTS		300VOLTS		380VOLTS		400VOLTS		416VOLTS		480VOLTS		600VOLTS	
	C	D	E	F	G	H	J	K	L	M	N	P	R	S				
C	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
D	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
E	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
F	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
G	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
H	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
J	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
K	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
L	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
M	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
N	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
P	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
R	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120
S	17-25 KW	26-34	35-47	49-73	72-94	95-141	142-188	189-235	236-282	283-353	354-424	425-530	531-706	707-883	884-1060	1061-1414	1415-1766	1767-2120

	AMMETER (TRANSFORMER RATED)			CURRENT TRANSFORMERS			
	QTY	SCALE	PART NO.	ROUND	SQUARE	SQUARE (SR4B)	
C	1	0-100 AMPS	4W-8632	3	100:5	5N-5429	—
D	1	0-150 AMPS	4W-8633	3	150:5	4W-8102	—
E	1	0-200 AMPS	4W-8634	3	200:5	5N-5430	—
F	1	0-300 AMPS	4W-8635	3	300:5	5N-5431	—
G	1	0-400 AMPS	4W-8636	3	400:5	5N-5432	—
H	1	0-600 AMPS	4W-8637	3	600:5	5N-5433	600:5
J	1	0-800 AMPS	4W-8638	3	800:5	5N-5434	800:5
K	1	0-1000 AMPS	4W-8639	3	1000:5	7W-8839	1000:5
L	1	0-1200 AMPS	4W-8640	3	1200:5	7W-8838	1200:5
M	1	0-1500 AMPS	4W-8641	3	1500:5	7W-8837	1500:5
N	1	0-2000 AMPS	4W-8642	3	2000:5	7W-8836	2000:5
P	1	0-2500 AMPS	4W-8643	3	2500:5	7W-8835	2500:5
R	1	0-3000 AMPS	7W-2218	3	3000:5	7W-6598	3000:5
S	1	0-4000 AMPS	7W-5658	3	4000:5	7W-7805	4000:5
T	1	0-5000 AMPS	7W-5659	3	5000:5	7W-7806	5000:5
U	1	0-6000 AMPS	7W-5660	3	6000:5	7W-7807	6000:5

NOTE:SQUARE CURRENT TRANSFORMERS TO BE SUPPLIED IF 3RD CHARACTER OF METER PANEL MODEL NUMBER IS E THROUGH L (3408, 3412 AND 3500 GENSET ENGINES OR PACKAGE GENERATOR SETS). ROUND CURRENT TRANSFORMERS TO BE SUPPLIED WITH ALL OTHER ENGINE SALES MODELS.

Ref.	Part number	Description	Qty	Code	Group page
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SEBP2015

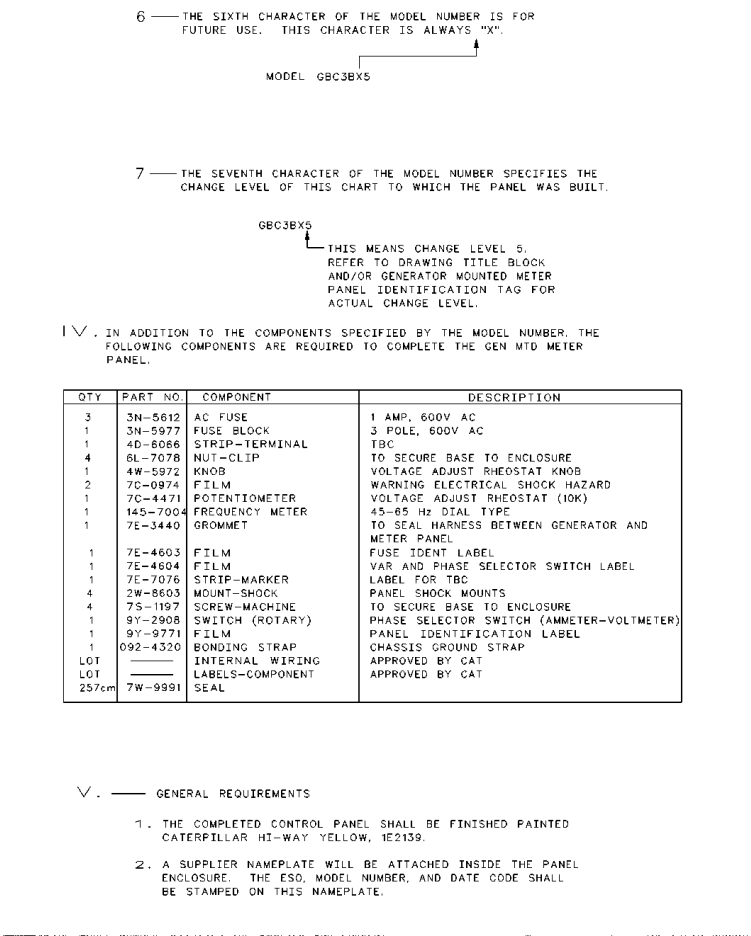
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7E-4300 CHART-METER PANEL

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

Drawing 1 of 1



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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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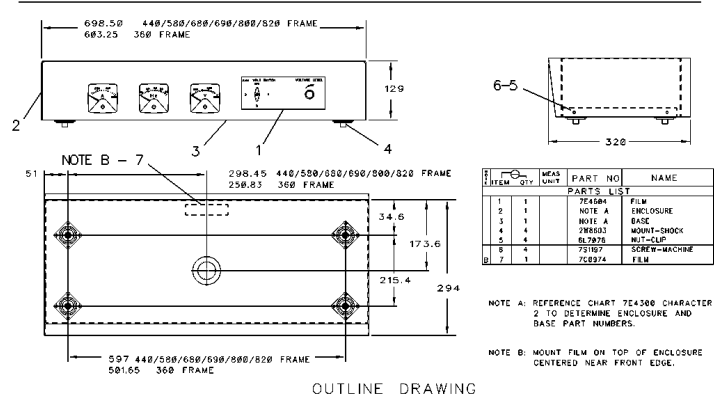
7E-4301 INSTRUCTIONS-METER PANEL

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

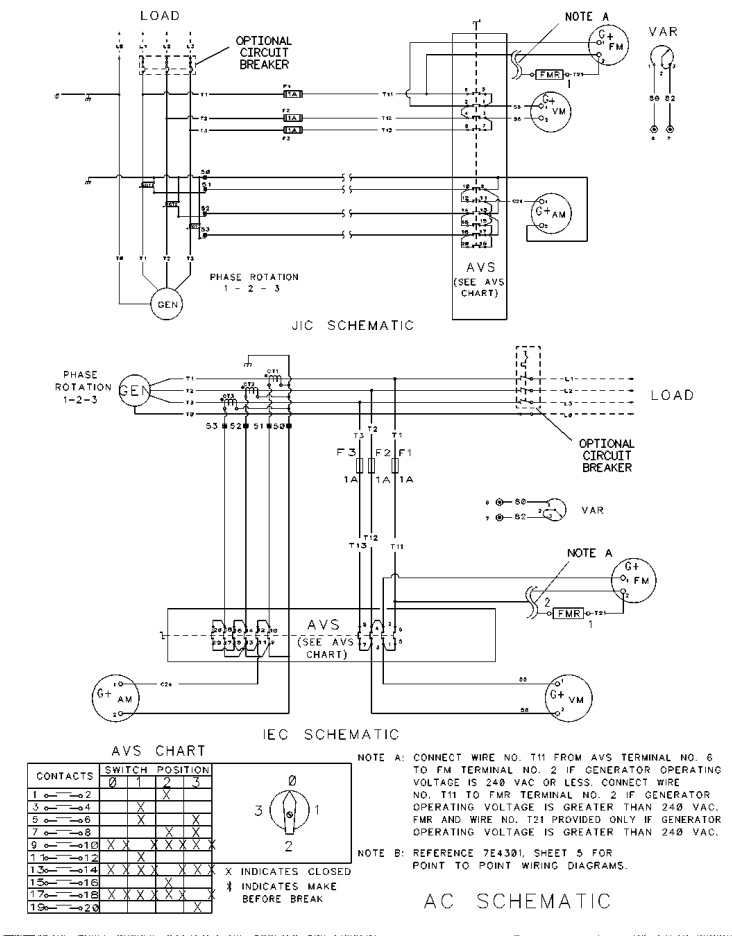


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7E-4301 INSTRUCTIONS-METER PANEL

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

Drawing 1 of 1

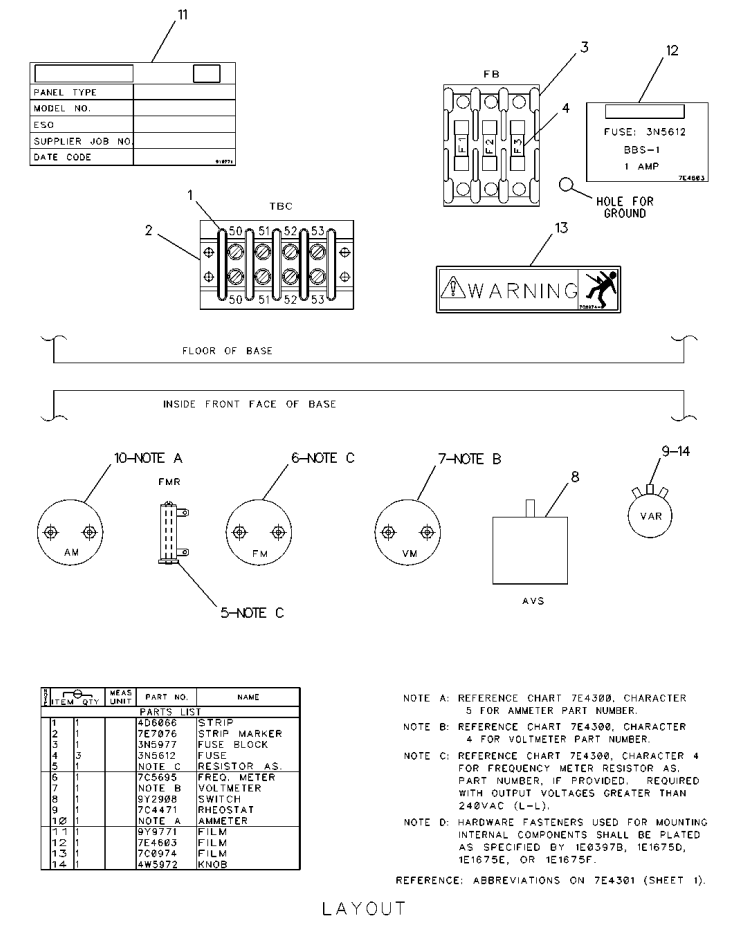


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7E-4301 INSTRUCTIONS-METER PANEL

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

Drawing 1 of 1



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7E-4301 INSTRUCTIONS-METER PANEL

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

Drawing 1 of 1



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