

# CATERPILLAR SR4

5WA / 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 |
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| 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

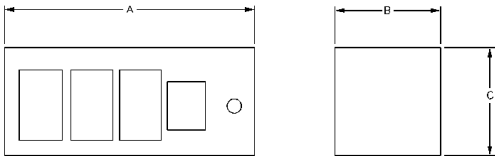
III. DESCRIPTION OF EQUIPMENT SPECIFIED BY MODEL NUMBER.

- 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<br>680/800(SR4)<br>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

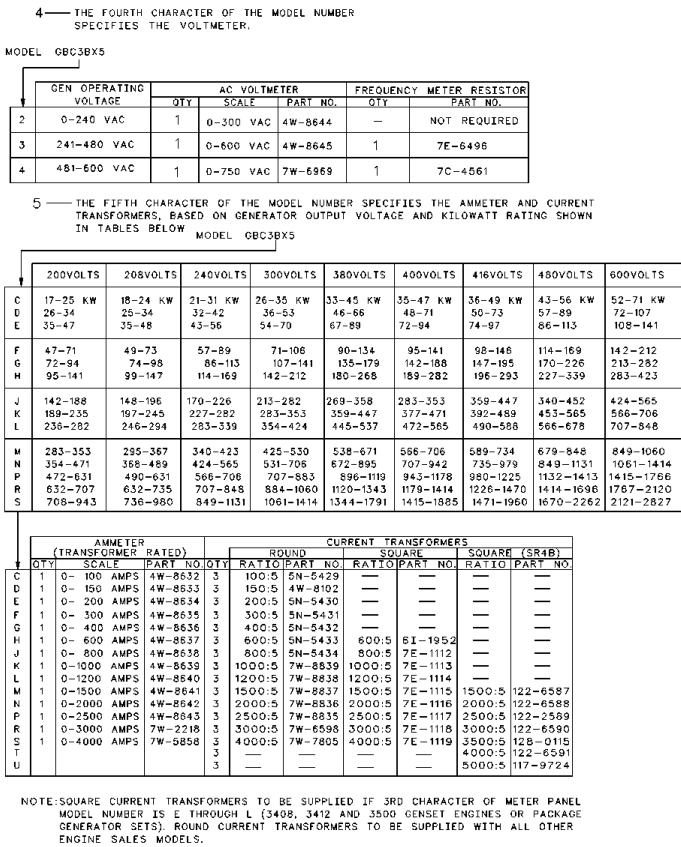
Qty Code Group  
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7E-4300 CHART-METER PANEL

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

Drawing 1 of 1

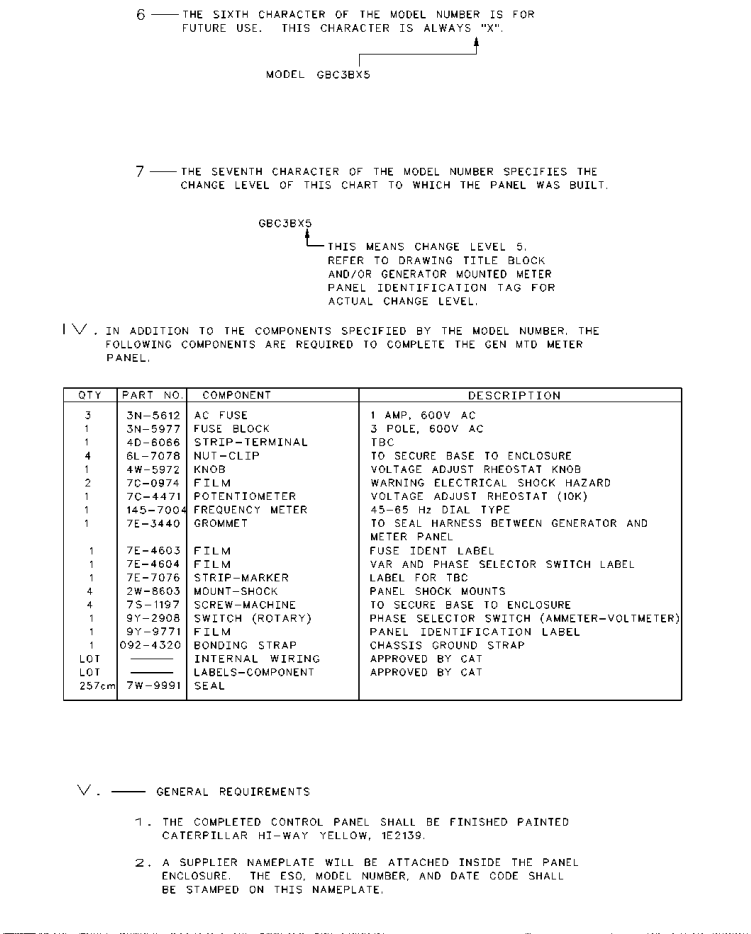


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7E-4300 CHART-METER PANEL

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

Drawing 1 of 1



| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
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| Parts list rows are not synced on this VPS for SEBP2015/SEBP20150004 yet. |             |             |     |      |            |

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<br>SIZE<br>(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

| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
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| Parts list rows are not synced on this VPS for SEBP2015/SEBP20150005 yet. |             |             |     |      |            |

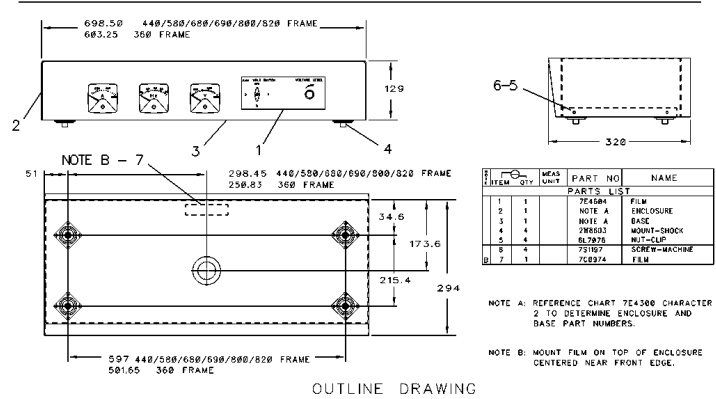
7E-4301 INSTRUCTIONS-METER PANEL

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

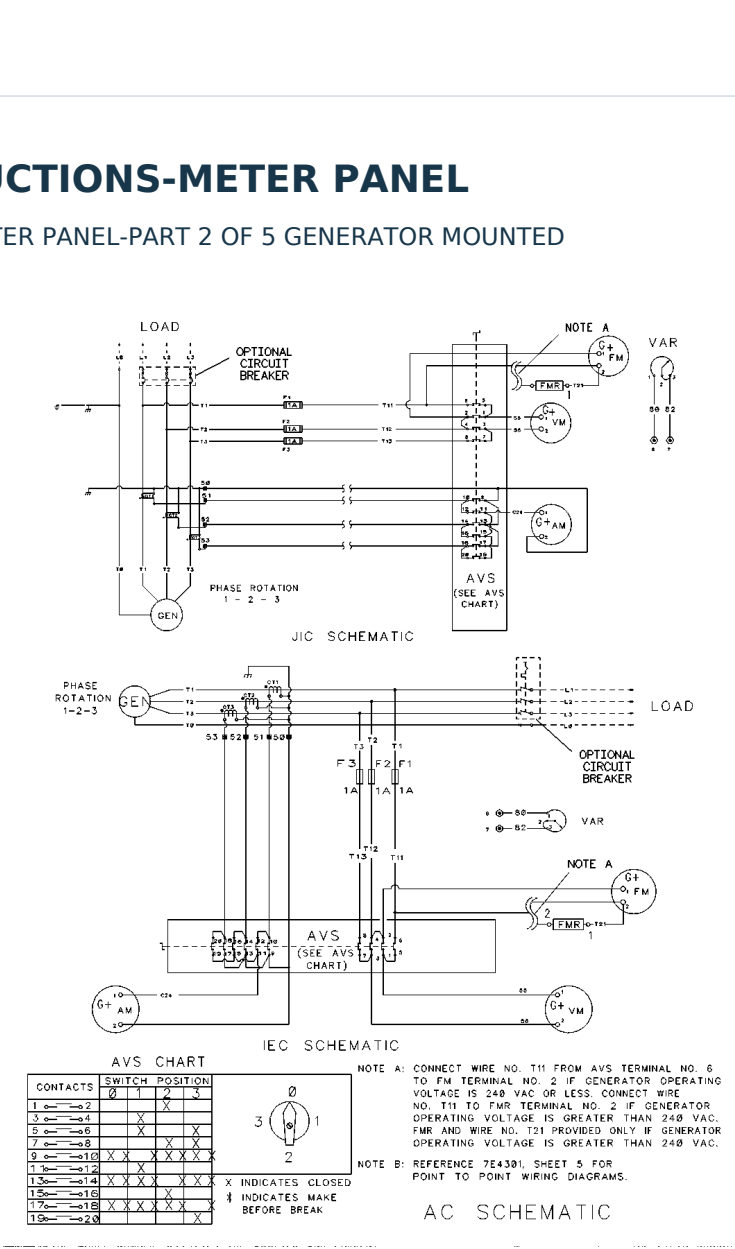


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7E-4301 INSTRUCTIONS-METER PANEL

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

Drawing 1 of 1

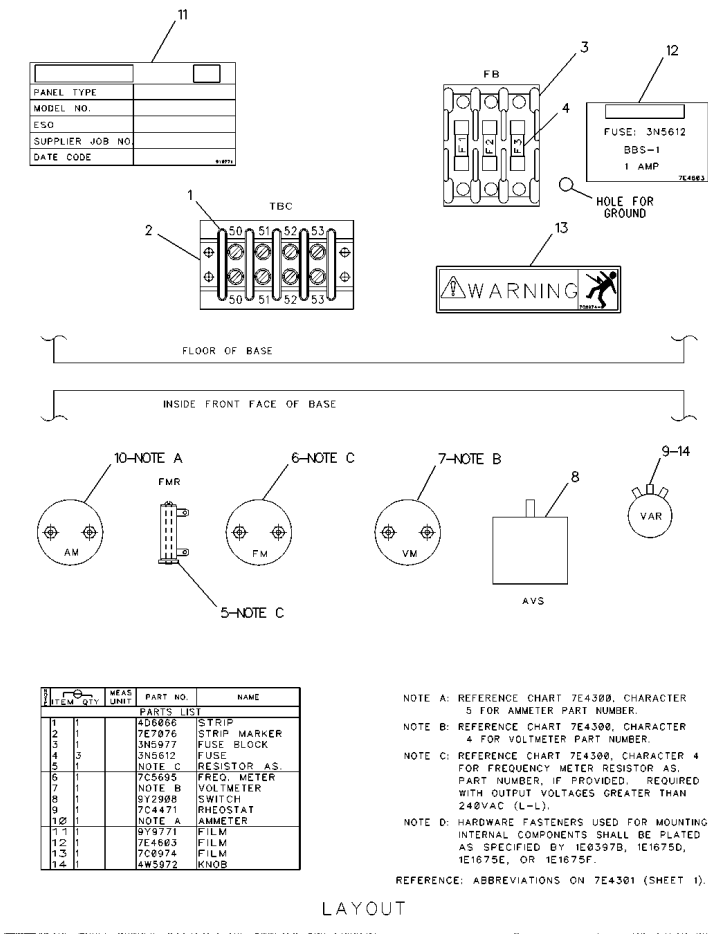


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7E-4301 INSTRUCTIONS-METER PANEL

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

Drawing 1 of 1

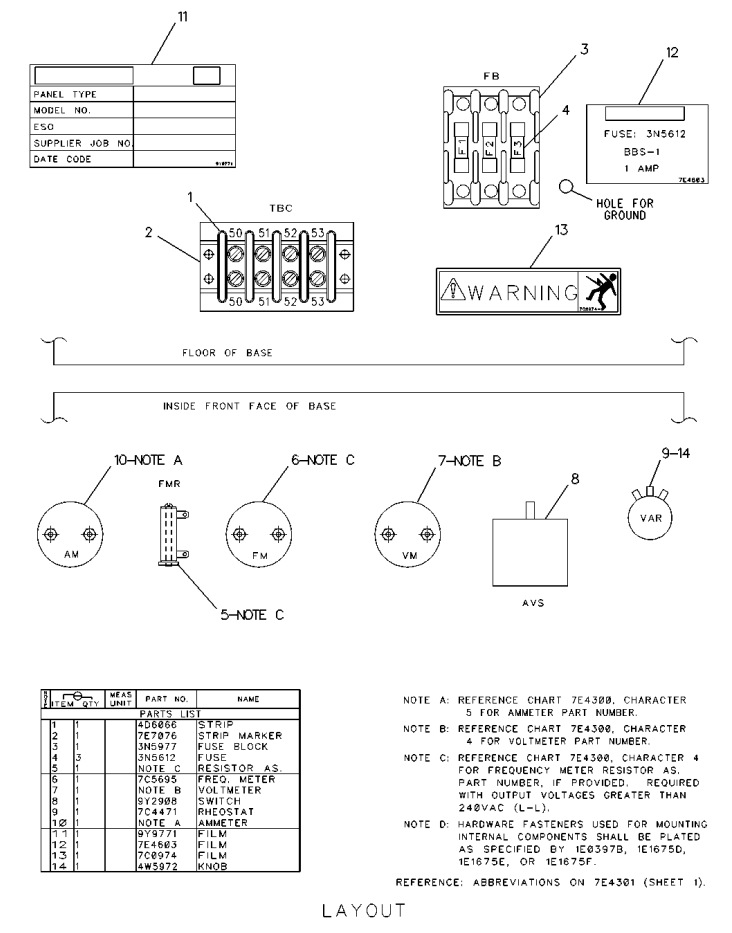


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7E-4301 INSTRUCTIONS-METER PANEL

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

Drawing 1 of 1



| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
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