

# CATERPILLAR SR4

5DA / 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

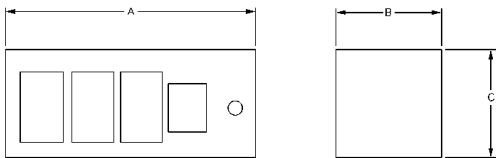
III. DESCRIPTION OF EQUIPMENT SPECIFIED BY MODEL NUMBER.

- 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

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 | 17-25 KW | 18-24 KW | 21-31 KW | 26-35 KW  | 33-45 KW  | 35-47 KW  | 36-49 KW  | 43-56 KW  | 52-71 KW  |
| D | 26-34    | 25-34    | 32-42    | 36-53     | 46-66     | 48-71     | 50-73     | 57-89     | 72-107    |
| E | 35-47    | 35-48    | 43-56    | 54-70     | 67-89     | 72-94     | 74-97     | 86-113    | 108-141   |
| F | 47-71    | 49-73    | 57-89    | 71-106    | 90-134    | 95-141    | 98-146    | 114-169   | 142-212   |
| G | 72-94    | 74-98    | 86-113   | 107-141   | 135-179   | 142-188   | 147-195   | 170-226   | 213-282   |
| H | 95-141   | 99-147   | 114-169  | 142-212   | 180-268   | 189-282   | 196-293   | 227-339   | 283-423   |
| J | 142-188  | 148-196  | 170-226  | 213-282   | 269-358   | 283-353   | 359-447   | 340-452   | 424-565   |
| K | 189-235  | 197-245  | 227-282  | 283-353   | 359-447   | 377-471   | 392-489   | 453-565   | 566-706   |
| L | 236-282  | 246-294  | 283-339  | 354-424   | 445-537   | 472-565   | 490-588   | 566-678   | 707-848   |
| M | 283-353  | 295-367  | 340-423  | 425-530   | 538-671   | 566-706   | 589-734   | 679-848   | 849-1060  |
| N | 354-471  | 368-489  | 424-565  | 531-706   | 672-895   | 707-942   | 735-979   | 849-1131  | 1061-1414 |
| P | 472-631  | 490-631  | 566-706  | 707-883   | 896-1119  | 943-1178  | 980-1225  | 1132-1413 | 1415-1766 |
| R | 632-707  | 632-735  | 707-848  | 884-1060  | 1120-1343 | 1178-1414 | 1226-1470 | 1414-1696 | 1767-2120 |
| S | 708-943  | 736-980  | 849-1131 | 1061-1414 | 1344-1791 | 1415-1885 | 1471-1960 | 1670-2262 | 2121-2827 |

|   | AMMETER (TRANSFORMER RATED) |             |          | CURRENT TRANSFORMERS |              |                     |          |
|---|-----------------------------|-------------|----------|----------------------|--------------|---------------------|----------|
|   | QTY                         | SCALE       | PART NO. | ROUND RATIO          | SQUARE RATIO | SQUARE (SR4B) RATIO | PART NO. |
| 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 | —                           | —           | —        | —                    | —            | —                   | 4000:5   |
| U | —                           | —           | —        | —                    | —            | —                   | 5000:5   |

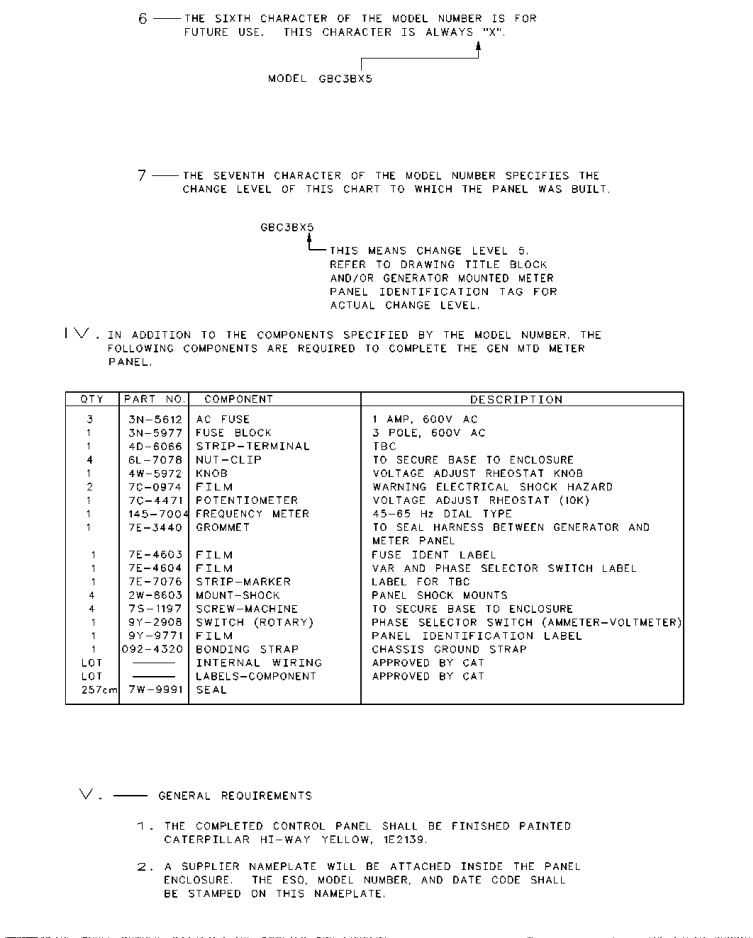
NOTE:SQUARE CURRENT TRANSFORMERS TO BE SUPPLIED IF 3RD CHARACTER OF METER PANEL MODEL NUMBER IS E THROUGH L (3408, 3412 AND 3500 GENSET ENGINES OR PACKAGE GENERATOR SETS). ROUND CURRENT TRANSFORMERS TO BE SUPPLIED WITH ALL OTHER ENGINE SALES MODELS.

| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
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| Parts list rows are not synced on this VPS for SEBP2015/SEBP20150003 yet. |             |             |     |      |            |

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 |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
| 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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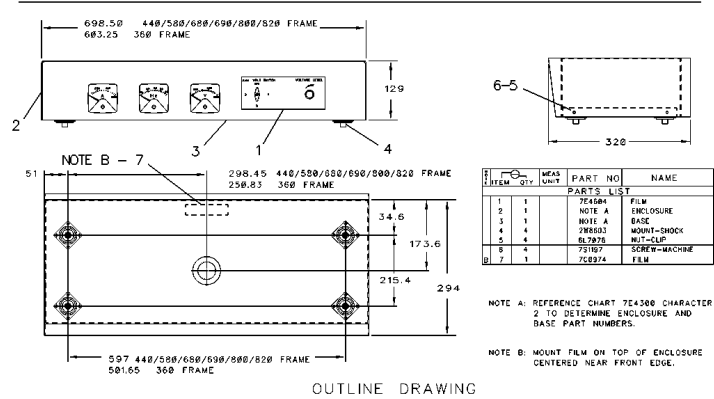
7E-4301 INSTRUCTIONS-METER PANEL

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



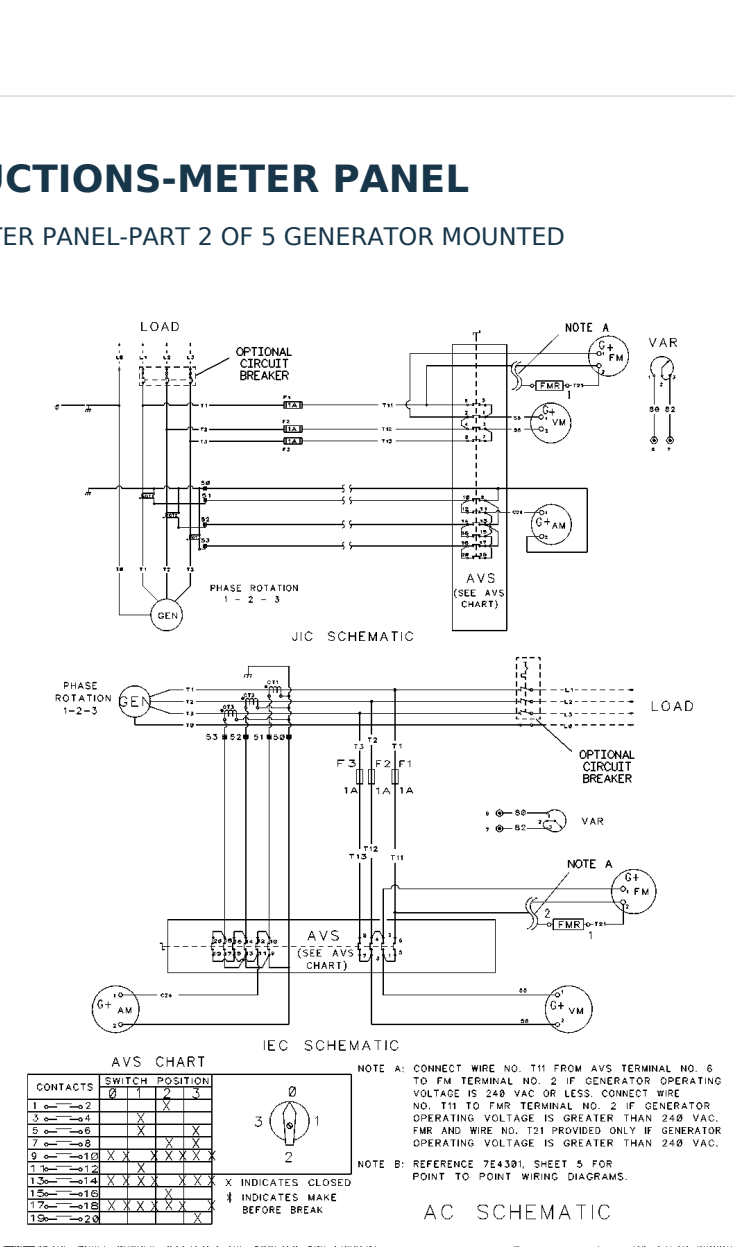
OUTLINE DRAWING

| Ref.                                                                      | Part number | Description | Qty | Code | Group |
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| Parts list rows are not synced on this VPS for SEBP2015/SEBP20150006 yet. |             |             |     |      |       |

7E-4301 INSTRUCTIONS-METER PANEL

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

Drawing 1 of 1

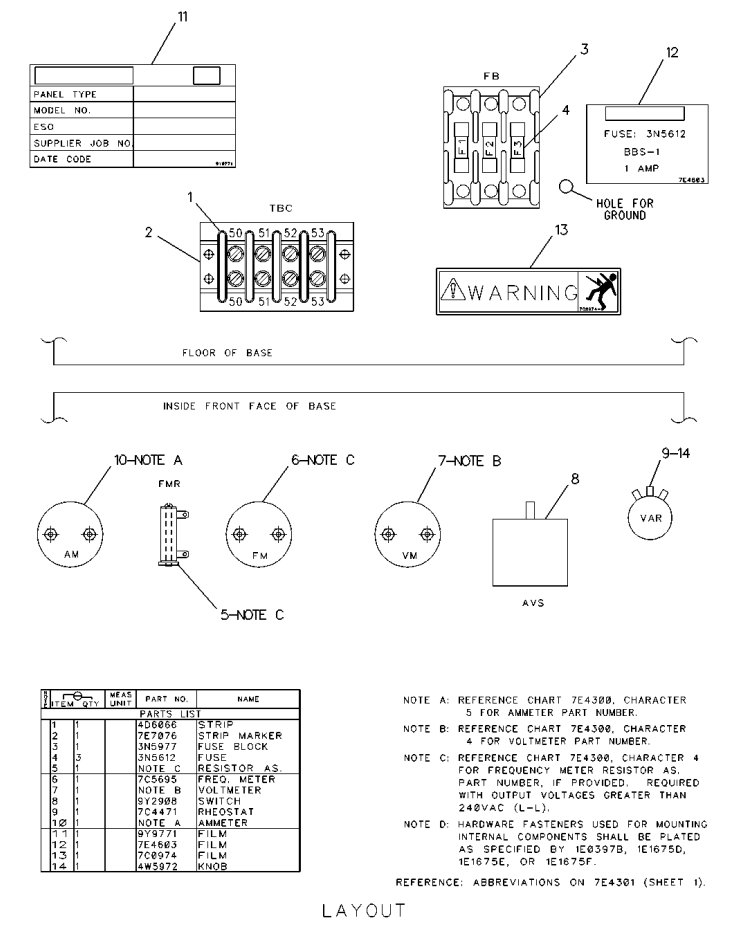


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| Parts list rows are not synced on this VPS for SEBP2015/SEBP20150007 yet. |             |             |     |      |            |

7E-4301 INSTRUCTIONS-METER PANEL

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

Drawing 1 of 1



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