

# CATERPILLAR SR4

5KA / SEBP2265

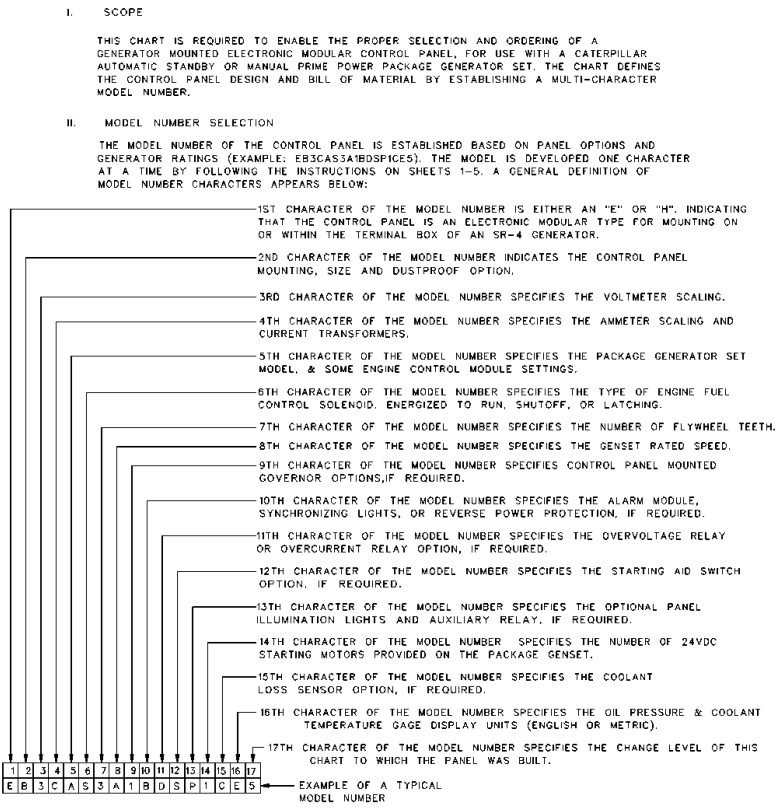
## Contents

| Section     | Page |
|-------------|------|
| Fuel system | 2    |

103-1582 CHART-CONTROL PANEL

1031582 CHART-CONTROL PANEL-PART 1 OF 9

Drawing 1 of 1

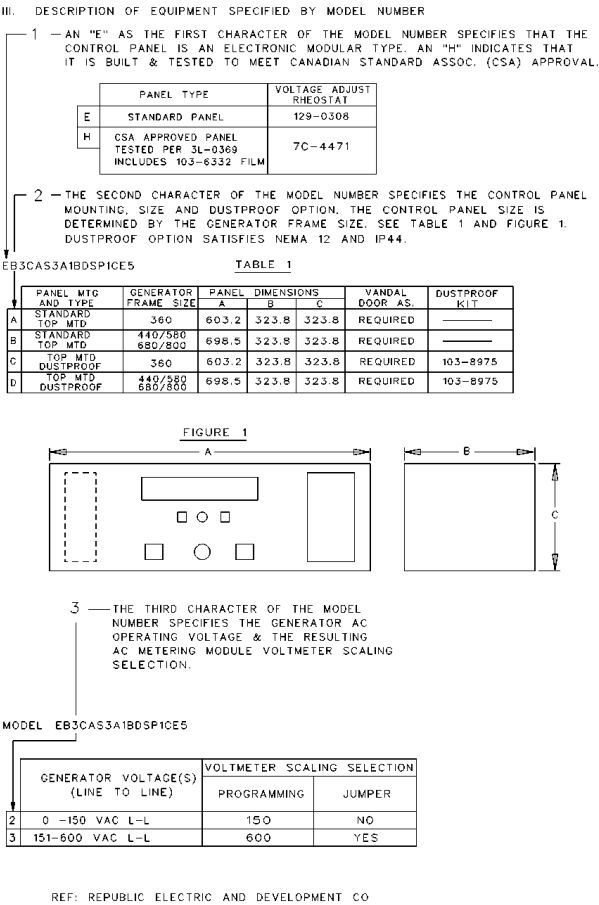


| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
| Parts list rows are not synced on this VPS for SEBP2265/SEBP22650001 yet. |             |             |     |      |            |

103-1582 CHART-CONTROL PANEL

1031582 CHART-CONTROL PANEL-PART 2 OF 9

Drawing 1 of 1



| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
| Parts list rows are not synced on this VPS for SEBP2265/SEBP22650002 yet. |             |             |     |      |            |

103-1582 CHART-CONTROL PANEL

1031582 CHART-CONTROL PANEL-PART 3 OF 9

Drawing 1 of 1

4 — THE FOURTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE AMMETER SCALING SELECTION AND CURRENT TRANSFORMER. (GENERATOR POWER RATING MUST BE LESS THAN OR EQUAL TO VALUES GIVEN IN TABLE BELOW.)

MODEL EB3CASA1BDSP1CE5

GENERATOR KKW OUTPUT TABLE CALCULATED FROM RATED OUTPUT VOLTAGE AT 0.80 POWER FACTOR WITH 15% MARGIN. (GENERATOR POWER RATING MUST BE LESS THAN OR EQUAL TO VALUES GIVEN IN TABLE BELOW.)

| GENERATOR KKW RATING AT-VOLTAGES (L-L, RMS) |         |         |         |         |         |         |         |         |         |         |         |
|---------------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                                             | 200 VAC | 208 VAC | 220 VAC | 240 VAC | 300 VAC | 380 VAC | 400 VAC | 415 VAC | 440 VAC | 480 VAC | 600 VAC |
| C                                           | 20EKW   | 25EKW   | 25EKW   | 25EKW   | 35EKW   | 45EKW   | 45EKW   | 50EKW   | 50EKW   | 55EKW   | 70EKW   |
| D                                           | 35      | 35      | 35      | 40      | 50      | 65      | 70      | 75      | 75      | 85      | 105     |
| E                                           | 45      | 50      | 50      | 55      | 70      | 90      | 95      | 100     | 105     | 115     | 140     |
| F                                           | 70      | 75      | 75      | 85      | 105     | 135     | 140     | 150     | 155     | 170     | 215     |
| G                                           | 95      | 100     | 105     | 115     | 140     | 180     | 190     | 200     | 210     | 230     | 285     |
| H                                           | 140     | 150     | 155     | 170     | 215     | 270     | 285     | 300     | 315     | 345     | 430     |
| J                                           | 190     | 200     | 210     | 230     | 295     | 365     | 385     | 400     | 420     | 460     | 575     |
| K                                           | 240     | 250     | 265     | 285     | 360     | 455     | 480     | 500     | 530     | 575     | 720     |
| L                                           | 285     | 300     | 315     | 345     | 430     | 545     | 575     | 600     | 635     | 690     | 865     |
| M                                           | 360     | 375     | 395     | 430     | 540     | 685     | 720     | 750     | 795     | 865     | 1080    |
| N                                           | 480     | 500     | 530     | 575     | 720     | 915     | 960     | 1000    | 1060    | 1155    | 1445    |
| P                                           | 600     | 625     | 660     | 720     | 900     | 1145    | 1205    | 1250    | 1325    | 1445    | 1805    |
| R                                           | 720     | 750     | 795     | 865     | 1080    | 1370    | 1445    | 1500    | 1590    | 1735    | 2165    |
| S                                           | 960     | 1000    | 1060    | 1155    | 1445    | 1830    | 1925    | 2005    | 2120    | 2310    | 2890    |

| AMMETER (TRANSFORMER RATED) |               |                 |     | CURRENT TRANSFORMERS |         |        |         |
|-----------------------------|---------------|-----------------|-----|----------------------|---------|--------|---------|
|                             |               |                 |     | ROUND                |         | SQUARE |         |
| QTY                         | SCALE         | PROGRAM SETTING | QTY | RATIO                | PART NO | RATIO  | PART NO |
| C                           | 1 0- 100 AMPS | 100             | 3   | 100:5                | 5N-5429 | —      | —       |
| D                           | 1 0- 150 AMPS | 150             | 3   | 150:5                | 4W-8102 | —      | —       |
| E                           | 1 0- 200 AMPS | 200             | 3   | 200:5                | 5N-5430 | —      | —       |
| F                           | 1 0- 300 AMPS | 300             | 3   | 300:5                | 5N-5431 | —      | —       |
| G                           | 1 0- 400 AMPS | 400             | 3   | 400:5                | 5N-5432 | —      | —       |
| H                           | 1 0- 600 AMPS | 600             | 3   | 600:5                | 5N-5433 | 600:5  | 61-1952 |
| J                           | 1 0- 800 AMPS | 800             | 3   | 800:5                | 5N-5434 | 800:5  | 7E-1112 |
| K                           | 1 0-1000 AMPS | 1000            | 3   | 1000:5               | 7W-8839 | 1000:5 | 7E-1113 |
| L                           | 1 0-1200 AMPS | 1200            | 3   | 1200:5               | 7W-8838 | 1200:5 | 7E-1114 |
| M                           | 1 0-1500 AMPS | 1500            | 3   | 1500:5               | 7W-8837 | 1500:5 | 7E-1115 |
| N                           | 1 0-2000 AMPS | 2000            | 3   | 2000:5               | 7W-8836 | 2000:5 | 7E-1116 |
| P                           | 1 0-2500 AMPS | 2500            | 3   | 2500:5               | 7W-8835 | 2500:5 | 7E-1117 |
| R                           | 1 0-3000 AMPS | 3000            | 3   | 3000:5               | 7W-6598 | 3000:5 | 7E-1118 |
| S                           | 1 0-4000 AMPS | 4000            | 3   | 4000:5               | 7W-7805 | 4000:5 | 7E-1119 |

NOTE:SQUARE CURRENT TRANSFORMERS TO BE SUPPLIED IF 5TH CHARACTER OF CONTROL PANEL MODEL NUMBER IS M THROUGH W (3408, 3412 AND 3500 PACKAGE GENERATOR SETS). ROUND CURRENT TRANSFORMERS TO BE SUPPLIED WITH ALL OTHER ENGINE SALES MODELS.

| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
| Parts list rows are not synced on this VPS for SEBP2265/SEBP22650003 yet. |             |             |     |      |            |

103-1582 CHART-CONTROL PANEL

1031582 CHART-CONTROL PANEL-PART 4 OF 9

Drawing 1 of 1

5 — THE FIFTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE PACKAGE GENERATOR SET ON WHICH THE PANEL WILL BE INSTALLED & SOME ENGINE CONTROL MODULE SETTINGS.

MODEL EB3CA53A1BDSPICE5

| PACKAGE<br>GENERATOR<br>SET | CHARACTER | ENGINE CONTROL MODULE SETTINGS |                     |                           |                 |                      |         | CRANK<br>TERMINATION<br>SPEED |
|-----------------------------|-----------|--------------------------------|---------------------|---------------------------|-----------------|----------------------|---------|-------------------------------|
|                             |           | FAULT SHUTDOWN SETTINGS        |                     | COOLANT<br>TEMP<br>°C(°F) | OVER-<br>SPEED  | OIL<br>STEP<br>SPEED |         |                               |
|                             |           | HI RPM<br>KPA(PSI)             | LOW RPM<br>KPA(PSI) |                           |                 |                      |         |                               |
| 3114 PRIME                  | A         | 206(30)                        | 68(10)              | 107(225)                  | SAME AS<br>3208 | SAME AS<br>3208      | 400 RPM |                               |
| 3116 PRIME                  | B         |                                |                     |                           |                 |                      |         |                               |
| 3208 STANDBY                | C         | 206(30)                        | 68(10)              | 113(235)                  | REF<br>3L-0332  | REF<br>3L-0332       |         |                               |
| 3208 PRIME                  | D         |                                |                     | 107(225)                  |                 |                      |         |                               |
| 3304 STANDBY                | E         |                                |                     | 113(235)                  |                 |                      |         |                               |
| 3304 PRIME                  | F         | 82(12)                         | 68(10)              | 107(225)                  |                 |                      |         |                               |
| 3306 STANDBY                | G         |                                |                     | 113(235)                  |                 |                      |         |                               |
| 3306 PRIME                  | H         |                                |                     | 107(225)                  |                 |                      |         |                               |
| 3406 STANDBY                | J         |                                |                     |                           |                 |                      |         |                               |
| 3406 PRIME                  | K         |                                |                     |                           |                 |                      |         |                               |
| 3408 STANDBY                | M         |                                |                     |                           |                 |                      |         |                               |
| 3408 PRIME                  | N         | 206(30)                        | 68(10)              | 107(225)                  |                 |                      |         |                               |
| 3412 STANDBY                | O         |                                |                     |                           |                 |                      |         |                               |
| 3412 PRIME                  | P         |                                |                     |                           |                 |                      |         |                               |
| 3508 STANDBY                | R         |                                |                     |                           |                 |                      |         |                               |
| 3508 PRIME                  | S         |                                |                     |                           |                 |                      |         |                               |
| 3512 STANDBY                | T         | 206(30)                        | 68(10)              | 107(225)                  |                 |                      |         |                               |
| 3512 PRIME                  | U         |                                |                     |                           |                 |                      |         |                               |
| 3516 STANDBY                | V         |                                |                     |                           |                 |                      |         |                               |
| 3516 PRIME                  | W         |                                |                     |                           |                 |                      |         |                               |

6 — THE SIXTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE TYPE OF THE ENGINE FUEL CONTROL SOLENOID.

MODEL EB3CA53A1BDSPICE5

|   | FUEL CONTROL<br>SOLENOID TYPE | PROGRAM ENGINE CONTROL<br>MODULE FOR: | SHUT-OFF<br>GP |
|---|-------------------------------|---------------------------------------|----------------|
| R | ENERGIZED TO RUN              | ENERGIZED TO RUN                      | 111-7760       |
| S | ENERGIZED TO SHUTOFF          | ENERGIZED TO SHUTOFF                  | 111-7761       |

NOTE: IF CONTROL PANEL MODEL NUMBER 5TH CHARACTER IS "M" THROUGH "P", 7E-8396 AUXILIARY FUEL CONTROL RELAY GROUP IS INCLUDED.

| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
| Parts list rows are not synced on this VPS for SEBP2265/SEBP22650004 yet. |             |             |     |      |            |

103-1582 CHART-CONTROL PANEL

1031582 CHART-CONTROL PANEL-PART 5 OF 9

Drawing 1 of 1

7 — THE SEVENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE NUMBER OF TEETH ON THE FLYWHEEL OF THE GENSET THAT THE CONTROL PANEL WILL BE INSTALLED ON. IT IS IMPORTANT THAT THE CORRECT NUMBER OF TEETH BE PROGRAMED INTO THE ENGINE CONTROL MODULE TO ASSURE PROPER OPERATION.

MODEL EB3CASP3A1BDSPICE5

|   | NUMBER OF FLYWHEEL<br>TEETH | PACKAGE<br>GANERATOR<br>SET | GENERATOR<br>FRAME<br>SIZE |
|---|-----------------------------|-----------------------------|----------------------------|
| 1 | 183                         | 3516,3512,3508              | ALL                        |
| 2 | 136                         | 3412,3408                   | ALL                        |
| 3 | 136                         | 3406( # 0 FLYWHEEL HOUSING) | 582                        |
| 4 | 113                         | 3406( # 1 FLYWHEEL HOUSING) | ALL                        |
| 5 | 156                         | 3306,3304                   | ALL                        |
| 6 | 134                         | 3208 ,3114,3116             | ALL                        |

REFER TO CHART 3L-0332 TO ASSIST IN DETERMINING NUMBER OF FLYWHEEL TEETH.

8 — THE EIGHTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE RATED SPEED AT WHICH THE GENERATOR SET WILL OPERATE.

MODEL EB3CASP3A1BDSPICE5

|   | RATED SPEED (RPM) |
|---|-------------------|
| A | 1000              |
| B | 1200              |
| C | 1500              |
| D | 1800              |
|   |                   |
|   |                   |

9 — THE NINTH CHARACTER OF THE MODEL NUMBER SPECIFIES CONTROL PANEL MOUNTED GOVERNOR OPTIONS, IF REQUIRED.

MODEL EB3CASP3A1BDSPICE5

|   | GOVERNOR<br>OPTION                                                | GOVERNOR<br>TYPE                         | GOV SW  | GOVERNOR GP-<br>ELECTRONIC | GOVERNOR FUSE<br>PART # | QTY |
|---|-------------------------------------------------------------------|------------------------------------------|---------|----------------------------|-------------------------|-----|
| X | NONE, OR SHIPPED<br>LOOSE CUSTOMER<br>INSTALLED 2301A<br>GOVERNOR | CAT HYDRA-MECH,<br>2301A LOAD<br>SHARING | —       | —                          | NOT<br>REQUIRED         | —   |
| 1 | GOVERNOR<br>SWITCH GP                                             | CAT HYDRA-MECH<br>PSG,3161               | 7N-8008 | —                          | NOT<br>REQUIRED         | —   |
|   |                                                                   |                                          |         |                            |                         |     |
| 4 | 1724/8290 GOVERNOR<br>(F/U/W 3114 AND<br>3116 ENGINES)            | ELECTRONIC SPEED<br>SENSING              | —       | 7E-1233                    | 3K-8782                 | 1   |
| 5 | 1724/8290 GOVERNOR                                                | ELECTRONIC SPEED<br>SENSING              | —       | 7E-1232                    | 3K-8782                 | 1   |
| 6 | 2301A GOVERNOR                                                    | 2301A SPEED<br>SENSING                   | —       | 4P-2788                    | 7T-0037                 | 1   |

NOTE : ABOVE CHARACTERS 2, 3, & 6 ARE NOT COMPATIBLE WITH THE CONTROL PANEL MODEL NUMBER 10TH CHARACTER D, E, F OR G (SYNC. LIGHT). ABOVE CHARACTERS 4 AND 5 ARE NOT COMPATIBLE WITH THE CONTROL PANEL MODEL NUMBER 10TH CHARACTER D, E, F, OR G (SYNC. LIGHT) UNLESS PROVIDED WITH OPTIONAL 7E-2583 LOAD SHARE MODULE (NOT INSTALLED).

| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
| Parts list rows are not synced on this VPS for SEBP2265/SEBP22650005 yet. |             |             |     |      |            |

103-1582 CHART-CONTROL PANEL

1031582 CHART-CONTROL PANE-PART 6 OF 9

Drawing 1 of 1

10—THE TENTH CHARACTER OF THE MODEL NUMBER SPECIFIES EITHER THE ALARM MODULES, SYNCHRONIZING LIGHT MODULE,SYNCHRONIZING LIGHT MODULE WITH GENERATOR REVERSE POWER PROTECTION OPTION, IF REQUIRED.

MODEL EB3CASA1BDSPICES

| MODULE TYPE                                    | PART NO.             |                     |           |              |
|------------------------------------------------|----------------------|---------------------|-----------|--------------|
|                                                | MODULE OR CONTROL GP | REVERSE POWER RELAY | FILMS     | COVER PLATE  |
| X NOT REQUIRED                                 | NOT REQUIRED         | NOT REQUIRED        | NOT REQ'D | 7C-1008      |
| A ALARM (NFPA99)                               | 9Y-2907              | NOT REQUIRED        | NOT REQ'D | NOT REQUIRED |
| B ALARM (NFPA 110)                             | 9Y-2906              | NOT REQUIRED        | NOT REQ'D | NOT REQUIRED |
| C ALARM (SINGLE UNIT PRIME POWER)              | 7E-1234              | NOT REQUIRED        | NOT REQ'D | NOT REQUIRED |
| D SYNC. LIGHTS (0-480V L-L)                    | 106-5171             | NOT REQUIRED        | NOT REQ'D | NOT REQUIRED |
| E SYNC. LIGHTS (600V L-L)                      | 106-5169             | NOT REQUIRED        | NOT REQ'D | NOT REQUIRED |
| F SYNC. LIGHTS (0-480V L-L) WITH REVERSE POWER | 106-5171             | 5N-5510             | 7C-4062   | NOT REQUIRED |
| G SYNC. LIGHTS (600V L-L) WITH REVERSE POWER   | 106-5169             | 7C-4378             | 7C-4062   | NOT REQUIRED |

NOTE :ABOVE CHARACTERS D, E, F, & G ARE INCOMPATIBLE WITH THE CONTROL PANEL MODEL NUMBER 9TH CHARACTERS 2, 3, AND 8 (2301 GOVERNORS). REVERSE POWER RELAY SHALL BE SET AT APPROX. 15% OF GENERATOR RATING.  
ABOVE CHARACTERS D, E, F, AND G ARE INCOMPATIBLE WITH THE CONTROL PANEL MODEL NUMBER 9TH CHARACTERS 4 AND 5 UNLESS PROVIDED WITH OPTIONAL 7E-2583 LOAD SHARE MODULE (NOT INSTALLED).

11—THE ELEVENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE PANEL MOUNTED GENERATOR OVERVOLTAGE OR OVERCURRENT RELAY, IF REQUIRED.

MODEL EB3CASA1BXSPICES

| RELAY TYPE                      | RELAY P/N |
|---------------------------------|-----------|
| X NOT REQUIRED                  |           |
| 1 208 V OVERVOLTAGE THREE PHASE | 123-4944  |
| 2 240 V OVERVOLTAGE THREE PHASE | 123-4945  |
| 3 416 V OVERVOLTAGE THREE PHASE | 123-4946  |
| 4 480 V OVERVOLTAGE THREE PHASE | 123-4947  |
| 5 600 V OVERVOLTAGE THREE PHASE | 126-0558  |
| 6 3 PHASE OVERCURRENT RELAY     | 112-7959  |

NOTE: ABOVE CHARACTERS #1, #2, #3, #4, #5 AND #6 ARE NOT COMPATIBLE WITH F AND G OF THE TENTH CHARACTER. OVERVOLTAGE AND OVERCURRENT RELAY PICK-UP SETTINGS SHALL BE SET AT ITS MAXIMUM VALUE.

| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
| Parts list rows are not synced on this VPS for SEBP2265/SEBP22650006 yet. |             |             |     |      |            |

103-1582 CHART-CONTROL PANEL

1031582 CHART-CONTROL PANEL-PART 7 OF 9

Drawing 1 of 1

12—THE TWELFTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE STARTING AID SWITCH OPTION, IF REQUIRED.

MODEL EB3CAS3A1BDSPICE5

|   | QTY | STARTING AID SWITCH | METER PANEL FILM |
|---|-----|---------------------|------------------|
| X | 0   | NOT REQUIRED        | 103-1837         |
| S | 1   | 9D-3721 MANUAL      | 103-1837         |
| A | 1   | 8C-9812 AUTOMATIC   | 103-1838         |

NOTE: ABOVE CHARACTER "A" PERMITS INJECTION OF ETHER INTO ENGINE AFTER CRANK TERMINATION IF JACKET WATER TEMPERATURE IS LESS THAN 70°F (52°C)

13—THE THIRTEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE PANEL ILLUMINATION LIGHT GROUP AND AUXILIARY RELAY OPTIONS, IF REQUIRED.

MODEL EB3CAS3A1BDSPICE5

|   | QTY | LAMP HOUSING AS | LAMP         | SWITCH       | PLUG BUTTON  | RELAY   | SOCKET  |
|---|-----|-----------------|--------------|--------------|--------------|---------|---------|
| X | 0   | NOT REQUIRED    | NOT REQUIRED | NOT REQUIRED | NOT REQUIRED | ---     | ---     |
|   | 2   | NOT REQUIRED    | NOT REQUIRED | NOT REQUIRED | 5P-4835      | ---     | ---     |
| P | 2   | 7G-9730         | 7N-5876      | ---          | NOT REQUIRED | ---     | ---     |
|   | 1   | ---             | ---          | 8D-2676      | NOT REQUIRED | 3N-5714 | 4W-8787 |

14—THE FOURTEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE NUMBER OF 24VDC STARTING MOTORS PROVIDED ON THE PACKAGE GENERATOR SET, TO BE CONTROLLED BY THE PANEL.

MODEL EB3CAS3A1BDSPICE5

|   |                       | QTY | STARTER MOTOR<br>MAGNETIC SWITCH(S) | CIRCUIT BREAKER PART #                                 |                   |
|---|-----------------------|-----|-------------------------------------|--------------------------------------------------------|-------------------|
|   |                       |     |                                     | 3114 & 3116 PRIME GENSETS<br>(REF.MODEL # CHARACTER 5) | ALL OTHER GENSETS |
| 1 | SINGLE STARTING MOTOR | 1   | 9X-8124                             | 9H-1958                                                | 1N-9770           |
| 2 | DUAL STARTING MOTORS  | 2   | 9X-8124                             | ---                                                    | ---               |
|   |                       | 1   | ---                                 | ---                                                    | 9H-1958           |

15—THE FIFTEENTH CHARACTER OF THE MODEL NUMBER SPECIFIES THE COOLANT LOSS SENSOR OPTION, IF REQUIRED.

MODEL EB3CAS3A1BDSPICE5

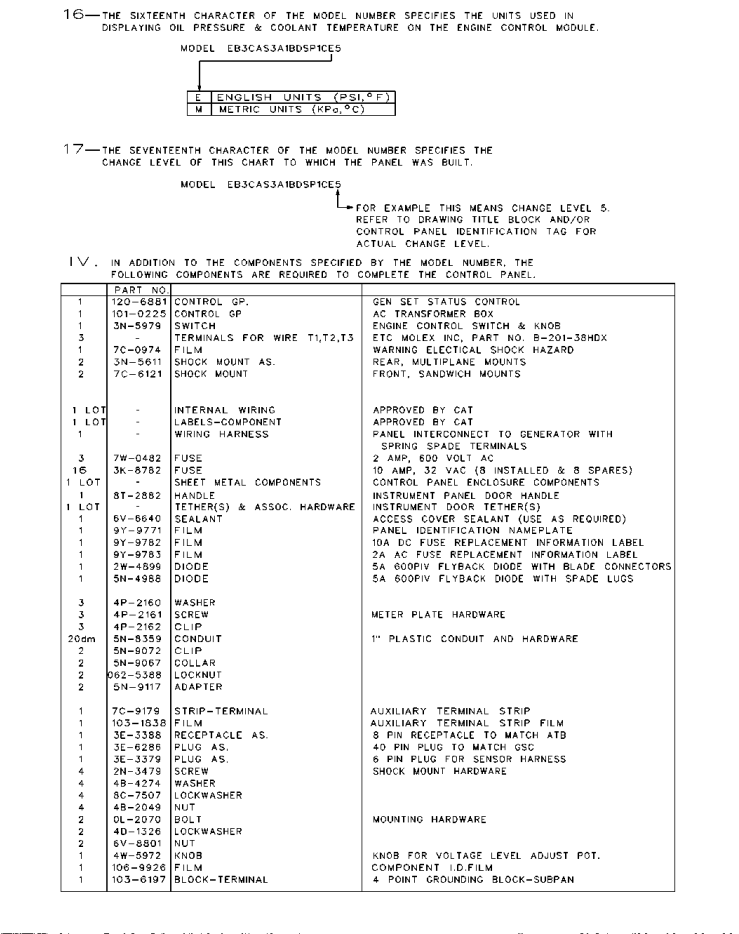
|   | HARNESS CONNECTOR |
|---|-------------------|
| X | NOT REQUIRED      |
| C | 3E-3367           |

| Ref.                                                                      | Part number | Description | Qty | Code | Group |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|-------|
|                                                                           |             |             | .   |      | page  |
| Parts list rows are not synced on this VPS for SEBP2265/SEBP22650007 yet. |             |             |     |      |       |

103-1582 CHART-CONTROL PANEL

1031582 CHART-CONTROL PANEL-PART 8 OF 9

Drawing 1 of 1



| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
| Parts list rows are not synced on this VPS for SEBP2265/SEBP22650008 yet. |             |             |     |      |            |

103-1582 CHART-CONTROL PANEL

1031582 CHART-CONTROL PANEL-PART 9 OF 9

Drawing 1 of 1

- GENERAL REQUIREMENTS
- 1. ALL CONTROL PANELS SHALL CONTAIN THE APPROPRIATE SPACE,WIRING,HOLES,ETC. TO SUPPORT THE FIELD INSTALLATION OF ANY OPTION LISTED ON THIS CHART. REFER TO DIMENSIONAL DRAWINGS 102-8774 OR 102-6300 FOR GENERAL ENCLOSURE DIMENSIONS.
  - 2. THE COMPLETED CONTROL PANEL SHALL BE FINISHED PAINTED CATERPILLAR YELLOW,IE2139,WITH THE INSTRUMENT DOOR PAINTED FLAT BLACK.
  - 3. A SUPPLIER NAMEPLATE WILL BE ATTACHED INSIDE THE PANEL. 103-1582 AND THE CONTROL PANEL MODEL NUMBER SHALL BE STAMPED ON THIS NAMEPLATE, ALONG WITH THE DATE CODE.
  - 4. A COMPLETE SET OF CAT DRAWINGS INCLUDING OUTLINE DRAWING, WIRING DIAGRAMS, SCHEMATIC DIAGRAMS,INTERCONNECT DIAGRAM SHALL BE PACKED WITH EACH CONTROL PANEL.
  - 5. 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 IE2200, SHALL BE USED EXCEPT ON INSTRUMENT PANEL DOOR FASTENERS.

| 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                  | 85.28             | 126.11 | 66.1     | 93.0  |
| 3/4-10                  | 142.38            | 203.40 | 105.0    | 150.0 |
| 7/8-9                   | 191.74            | 273.91 | 141.4    | 202.0 |

- CATERPILLAR REFERENCE DRAWINGS
- 103-1584 CHANGE 05 INSTRUCTIONS

| Ref.                                                                      | Part number | Description | Qty | Code | Group page |
|---------------------------------------------------------------------------|-------------|-------------|-----|------|------------|
| Parts list rows are not synced on this VPS for SEBP2265/SEBP22650009 yet. |             |             |     |      |            |

**MANUALS-KOMATSU.COM**

## **Complete Caterpillar PDF Parts Catalogue**

5KA-SEBP2265

**\$99**

Buy on this catalogue page in our store.

Download instructions are sent after payment confirmation.

**Buy complete PDF - \$99**