



AC INPUT VOLTAGE SELECTOR TABLE

| INPUT (VAC) | STEP 1: T1-PRI-AUX           | STEP 2: CB1-AUX | STEP 3: TB1-AUX                    |
|-------------|------------------------------|-----------------|------------------------------------|
| 120         | E1-1 TO E1-2<br>E1-3 TO E1-4 | E1-6 TO E1-8    | TB1-L1 TO E1-09<br>TB1-L2 TO E1-11 |
| 208         | E1-2 TO E1-3                 | E1-6 TO E1-5    | TB1-L1 TO E1-09<br>TB1-L2 TO E1-11 |
| 240         | E1-2 TO E1-3                 | E1-6 TO E1-8    | TB1-L1 TO E1-09<br>TB1-L2 TO E1-11 |
| 480         | E1-2 TO E1-3                 | E1-6 TO E1-7    | TB1-L1 TO E1-10<br>TB1-L2 TO E1-12 |
| ALL         | T1-H5 TO T1-H6               |                 |                                    |

| SYM  | DESCRIPTION                       | SYM | DESCRIPTION                        | SYM  | DESCRIPTION                       |
|------|-----------------------------------|-----|------------------------------------|------|-----------------------------------|
| A1   | MAIN CONTROL PC BOARD             | F3  | AC INPUT FUSE                      | R12  | "OUTPUT CURRENT ADJUST" POT       |
| A2   | METER POWER SUPPLY / RES ASSY PCB | F4  | AC INPUT FUSE                      | R13  | MAIN DC CURRENT-SENSING SHUNT     |
| C1   | FILTER CAPACITOR                  | L1  | MAIN INDUCTOR                      | SD1  | MAIN CTRL PCB (A1) INTERCONNECTOR |
| C2   | BATTERY ELIMINATOR FILTER CAP     | L2  | FILTER INDUCTOR                    | SS1  | DC OUTPUT SURGE SUPPRESSOR        |
| C3   | SNUBBER CAPACITOR                 | M1  | DC OUTPUT AMMETER                  | SS2  | AC INPUT SURGE SUPPRESSOR         |
| C6   | DC OUTPUT EMI FILTER CAP (+ TO -) | M2  | DC OUTPUT VOLTMETER                | SW1  | "OUTPUT VOLTAGE SELECTOR" SWITCH  |
| C7   | DC AMMETER (M1) SIGNAL FILTER CAP | M3  | AC INPUT AMMETER                   | SW2  | "BATTERY/CHARGER VOLTAGE" SWITCH  |
| C8   | DC VMETER (M2) SIGNAL FILTER CAP  | Q1  | SILICON-CONTROLLED RECTIFIER       | T1   | POWER ISOLATION TRANSFORMER       |
| CB1  | AC INPUT CIRCUIT BREAKER          | Q2  | SILICON-CONTROLLED RECTIFIER       | TB1  | AC INPUT TERMINALS                |
| CB2  | DC OUTPUT CIRCUIT BREAKER         | R1  | BLEED RESISTOR                     | TB2  | DC OUTPUT TERMINALS               |
| CR1  | POLARITY DIODE                    | R5  | "OUTPUT VOLTAGE ADJUST" POT        | TB16 | METER POWER SUPPLY INTERFACE      |
| CT1  | AC CURRENT TRANSFORMER            | R10 | VMETER VOLTAGE DIVIDER RESISTOR    | W1   | COPPER BUS BAR (POS LEG)          |
| DS01 | "AC ON" INDICATOR LIGHT           | R11 | CURRENT LIMIT ADJUST POTENTIOMETER | W2   | COPPER BUS BAR (NEG LEG)          |

|     |        |        |   |  |  |
|-----|--------|--------|---|--|--|
| 9   | -N/A-  | 091121 | <br>THIRD ANGLE PROJECTION  | TITLE UNIVERSAL MAINTENANCE CHARGER (LMC)<br>SCHEMATIC: BB0443-01 (10-50ADC) |  |
| 8   | 25942  | 042417 |   |  |  |
| 7   | 25864  | 030817 | DRAWN BY MCR  | 021403   | DRAWING No JE5039-50<br>REV 9                  |
| 6   | 21450  | 120808 | ELECTRONIC APPROVAL SIGNATURES<br>MAINTAINED BY MFG ECN LOG         |  |  |
| 5   | 20462  | 121506 | UNLESS OTHERWISE NOTED DIMENSIONS<br>ARE IN INCHES. TOLERANCES ARE: |  | SCALE NTS<br>PART No JE5039-50<br>SHEET 1 OF 1 |
| REV | ECN No | DATE   |   |  |  |