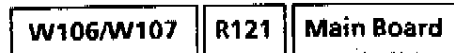


# JDC5000 Ultra-Pro (continued)



## Auxiliary Output / Remote Mode Switching Option Board

### Replacement Procedure

1. Remove the cable (if present) at J12 on the option board.
2. Remove the two screws on the other side of the controller board that hold the option board in place and pull the board up.
3. Make sure jumpers W1, W2, W3, W4, and W5 are in the same position as on the old board.

**If you are upgrading to a new option, position the jumpers as shown in table 1.**

4. Install the new option board using the same screws.
5. Reattach connector J12, if present.

## Second Input Board

1. Remove the two screws on the other side of the controller board that hold the second input board in place, and pull the board up.
2. Position W1/W2 jumper the same as on the old board  
**W2 position for Carbon Potential Option**  
**W1 position for all other selections**
3. Install the new second input board using the supplied screws.
4. Factory calibration constants will be approximate. Check the calibration. If incorrect, recalibrate.

**TABLE 1.**

**Auxiliary Output Only**  
Install W1 and W2

**Remote Mode Switching Only**  
Install W3, W4, and W5

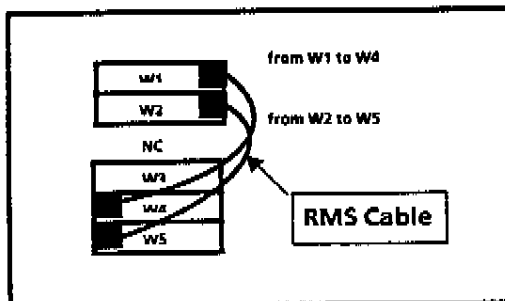
**Auxiliary Output and Remote Mode Switching**  
Install W1, W2, W3, W4, and W5

**Auxiliary Output and Communications**  
Install W1 and W2

**Remote Mode Switching and Communications**  
Install W3 and RMS Cable (see figure below)

**Auxiliary Output, Communications, and Remote Mode Switching**

1. Cutout R121 On the Main Board.
2. Install the Auxiliary Output Cable between J12 on the Auxiliary Output board and W106/W107 on the main board
3. Install W3 and the RMS cable (see figure below)



## Communications Option Board

1. Remove the two screws on the other side of the controller board that hold the Communications Option board in place, and pull the board up.

**If you are upgrading to a new option, position the Aux Out-RMS jumpers as shown in table 1.**

2. Install the new Communications Board using the same screws.
3. Replace the PROM with the proper one supplied with this board.

## Install New PROM

P/N 30755949-401 (32 pin socket) - DMCS 1990 or later  
or RS422/485

P/N 30756481-501 (28 pin socket) - DMCS pre 1990

1. Remove the Auxiliary Output/Remote Mode Switching option board.
2. Replace the PROM with the one of the two PROMs supplied with the DMCS Communications board or the one PROM supplied with the RS422/485 Communications Board.
3. Replace the Option Board.
4. Check "Status" Group to clear any errors.

## Check the Field Wiring

1. External Wiring Diagrams for the various Inputs, Outputs, and Options are shown in the installation section of the product manual.
2. Apply power to the controller.