

Quality Marine **VMI** 200 Series Retrofit Instructions

The following instructions are the procedure for updating a Ratelco VM, VE, or Early McCarron VM to share the features of the VMI Series Chargers.

1. Remove the old control Board. (save the screws!)
2. Remove the mounting hardware from the card edge connector and rotate the connector 180 degrees so that the brown wire is closest to the hinge. Re-install the mounting hardware.
3. Unpack the new control board and verify that it is configured correctly for your application. (see sheet marked "VMI 200 Series Control Board Setup.")
4. With the board out of the charger, apply AC, turn the unit on and measure the DC voltage between the orange wire (1) and the brown wire (9) on the card edge connector. If this measurement is greater than 32 VDC, cut the orange wire (1) and install the 150 ohm, 2 W resistor in line with it.
5. Install the new control board with the parts face up (parts facing away from the door).
6. Follow the procedure outlined on the sheet labeled "VMI 200 Series Control Board Setup" to adjust float voltage, equalize voltage, and equalize timer.