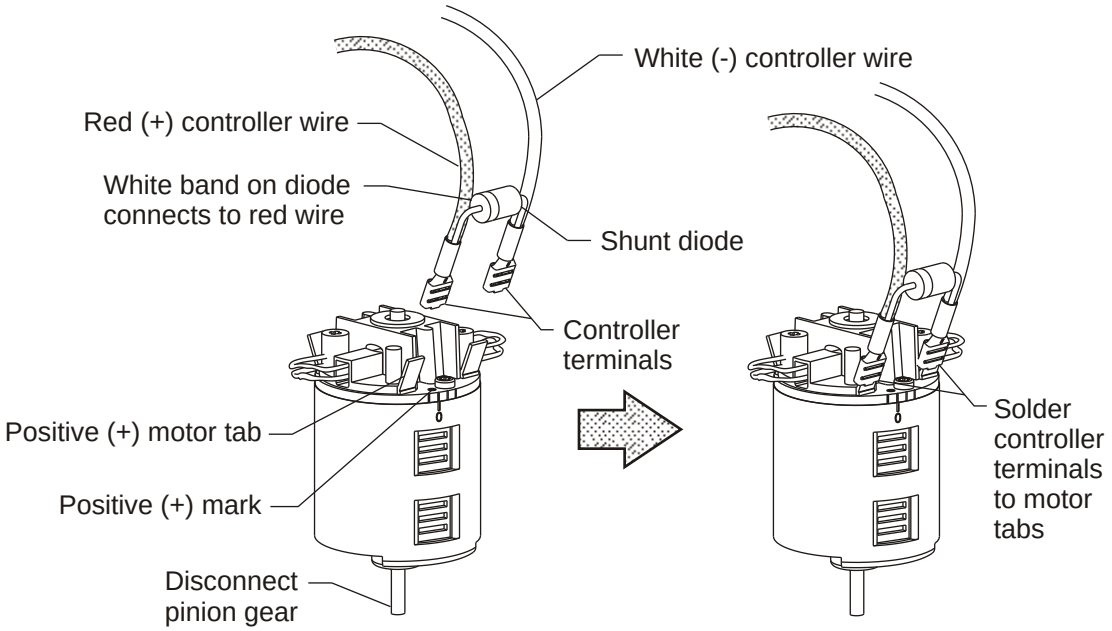
This Technical Bulletin supplements the information already found in the *Corona* Construction Manual and Operator's Guide regarding installation and operation of the *Fusion 35* speed controller in the Lite Machines *Corona* electric helicopter.

Incorrect assembly, reverse voltage, crashes, high currents and natural variation among electrical components (which include integrated circuit (IC) chips, electrical connections, motors and wiring), can all contribute to stress and failure of electrical components. Weak components can fail soon after they are placed in service. This is called “infant-mortality syndrome.”

Unlike mechanical components, which typically show signs of wear or damage before failure, electrical components can fail suddenly without warning. Failures are more likely to occur during or after periods of heavy use, or after a change has been made to the electrical system (such as after the replacement of a worn or damaged component). When flying any radio controlled model keep in mind that component failure in the radio system, servos, motor, motor speed controller or gyro stabilizer can cause the model to operate erratically and/or uncontrollably. **NEVER FLY ABOVE OR AROUND PEOPLE OR PROPERTY IN CASE YOU LOSE CONTROL OF YOUR MODEL THROUGH SOME UNEXPECTED CONDITION SUCH AS COMPONENT FAILURE.**



Motor installation.

1. Disconnect the motor pinion gear on your *Corona* helicopter so that the rotor blades cannot start turning unexpectedly and strike you or someone else.

2. Follow the instructions contained in the *Corona* Construction Manual, and the figure shown above, to connect the *Fusion 35* controller to the motor in your *Corona* helicopter. Attach the red controller wire to the positive (+) motor terminal, and the white wire to the unmarked negative terminal.

3. Check that the controller wires are connected properly, and solder the terminals to the motor tabs.

WARNING: The *Fusion 35* controller is equipped with a shunt diode across the motor power leads for additional protection against component damage. **DO NOT REMOVE THE SHUNT DIODE. IF THE DIODE IS DAMAGED OR REMOVED, RETURN YOUR CONTROLLER TO CASTLE CREATIONS FOR SERVICE.**