

BLDC Motor to Controller Wire Connection Issues

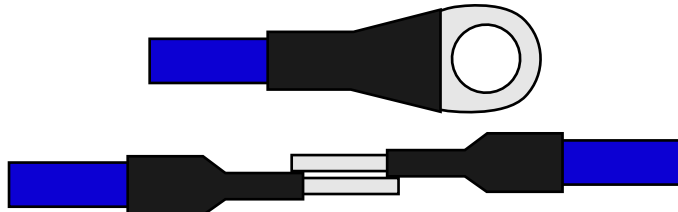
Heat Shrink Tubing Too Close To Ring Terminal Hole

Condition: Ring terminals connected together by a stud do not make proper electrical connection with each other.

Cause: Factory installed heat shrink tubing too close to the hole of a ring terminal.

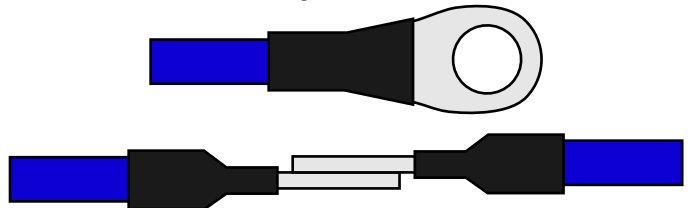
Correction: Cut the heat shrink tubing back to an acceptable distance from the hole in the ring terminal.

Heat Shrink Too Close to Hole



Causes Terminals to Not Properly Contact Each Other

Heat Shrink Acceptable Distance to Hole



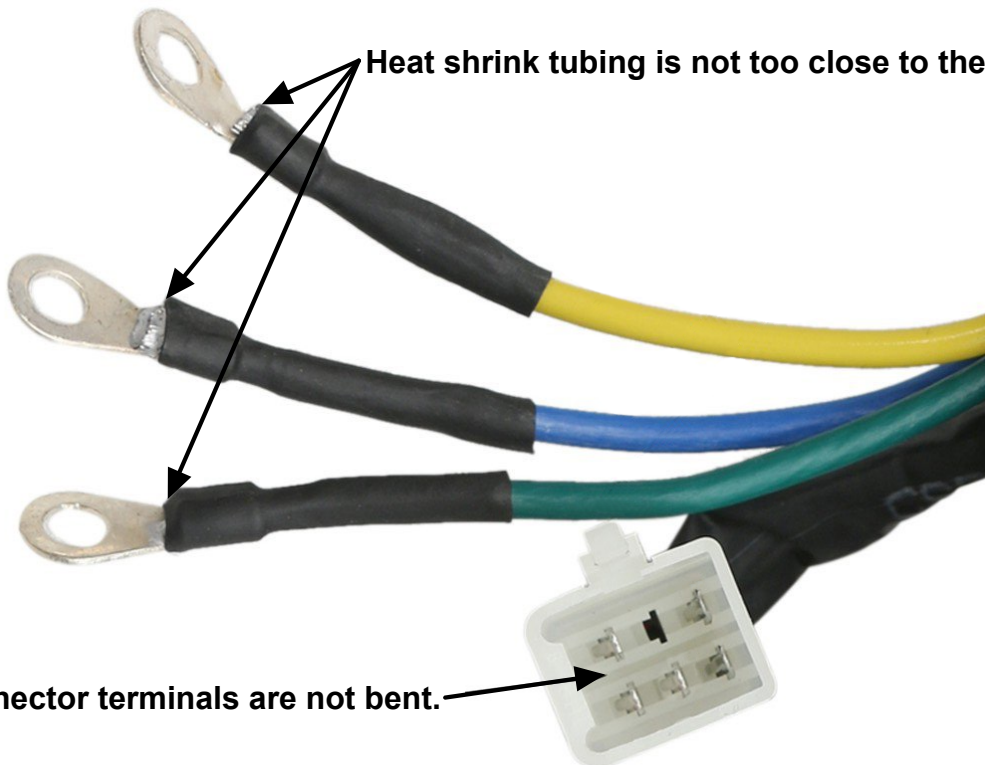
Allows Terminals to Properly Contact Each Other

Bent Sensor Connector Terminal

Condition: A sensor connector terminal is bent and does not make proper electrical connection with the terminal that it plugs into.

Cause: Plugging connectors together that are out of alignment or with too much force.

Correction: Inspect connector for bent terminals and straighten out any bent terminals. Connectors should go together gently and without too much force. If it takes excessive force to go together wiggle the connectors while gently pushing them together to help align the connector terminals.



Heat shrink tubing is not too close to the ring terminal holes.

Sensor connector terminals are not bent.