STEPS FOR CONNECTING CABLE FROM TRIMETRIC TO BATTERY. (LONG 6 wire, CABLE to 300 ft)

Also refer to diagram in TriMetric (Part 1) instructions, last page.

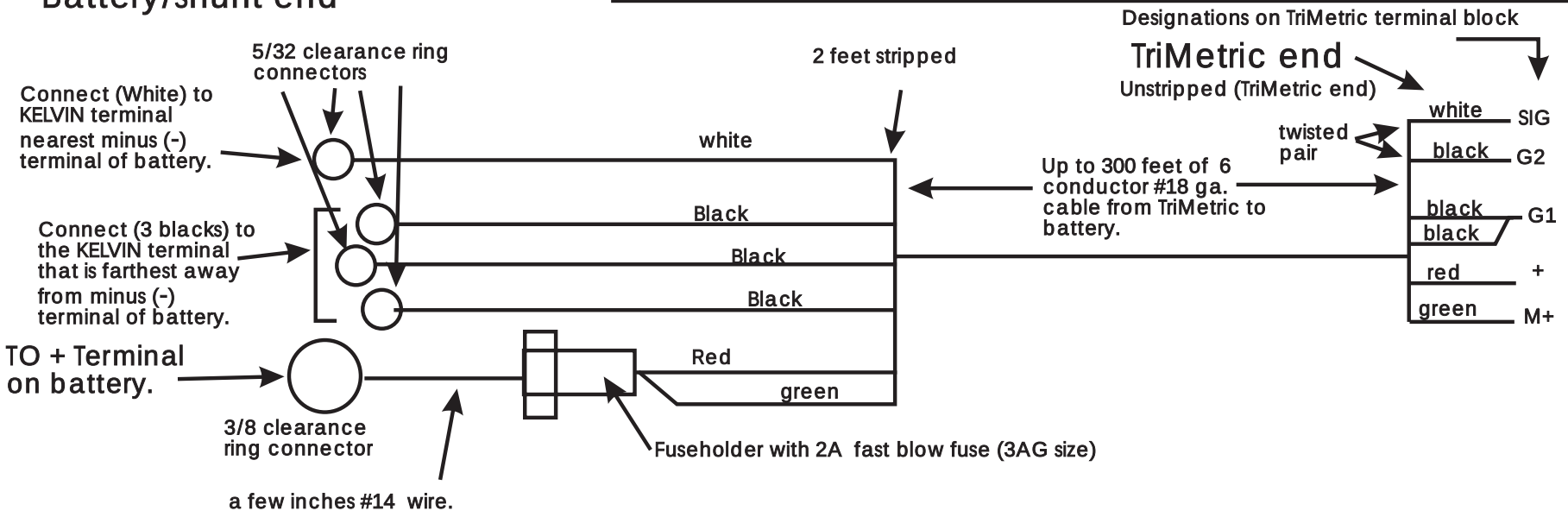
1. Remove fuse from fuseholder (below).
2. Connect 6 wires as shown (below) at shunt/battery end.
3. Connect 6 wires as shown to the TriMetric terminal block as described (right) on this sketch.
4. Make a final check of the wiring and replace fuse.

Maximum length of cable from TriMetric to Battery:

With 2 pairs #22 gauge: up to 55 feet.
With 2 pairs #18 gauge: up to 150 feet.
With 3 pairs #18 gauge, up to 300 feet is ok if another wire is paralleled with G1 as shown on this page.

Instructions for connecting cable to TriMetric end:

1. Strip enough outer jacket off so it is easy to tell which wires are "paired" or twisted together.
2. Find black wire paired with white.
3. Connect black wire (paired with white) to G2.
4. Connect white to SIG.
5. Connect two other blacks together and connect to G1.
6. Connect red to +.
7. Connect green to M+. (be sure shorting jumper is NOT connected from + to M+).



Technical note: The reason for doubling up the G1 wire is to keep the total resistance under 1 ohm, which is necessary for proper operation. The reason for using two wires for the "+" wire is to increase accuracy of TriMetric voltage readings by eliminating voltage drop to M+ terminal.

NOTES FOR CONNECTING TRIMETRIC TO BATTERY AND SHUNT
(Using 3 pair twisted cable, up to 300 ft long)

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