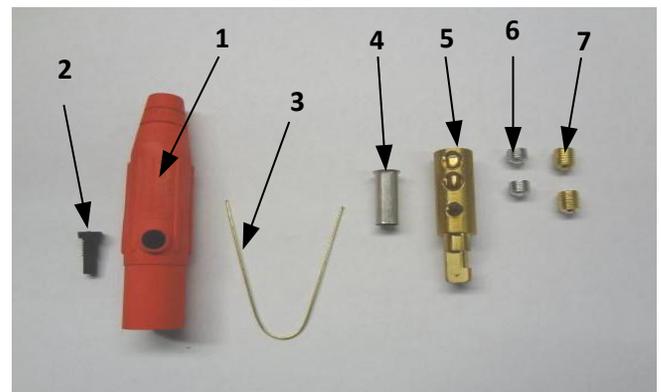


## Installation Supplement, Cam-Lock Connections

1. Install cable lugs onto feeder studs or vehicle batteries and route and secure as required. When at panel mounts, expose cable from loom and determine required cable length for installation. Use cable cutter to cleanly cut cable.



2. Camlock connector (MARINCO) kit has colored body (1), securing screw (2), tension safety wire (3), zinc plated sleeve (4), connector lug (5), two short zinc plated set screws (6), and two longer brass plated set screws (7). The brass plated set screws will not be used.



3. Because cable will not fit into body, trim the Camlock body in the middle of the "400" section, using manual shear.



Man. Shear

4. Coat cable insulation end with silicone lube spray and slide colored body over cable end several inches for working room, making sure to cut body end fits tight on cable.



Verify a tight fit between cable insulation and the trimmed Camlock section end.

5. Place sleeve against cable and at end to make cutting cable insulation with utility knife. Cut all around cable insulation.



6. Place tension wire ¼ from insulation score and roll ends together to meet.



7. While holding wire position cross the wires near insulation to allow twisting room.



8. Continued holding position, make a couple of complete twists by hand.



9. Firmly grip joint with pliers and make 3 to 4 additional complete twists against the insulation.



10. The tension wire twist should be tight enough to slightly squeeze the insulation.



11. Fold the tension wire over and force them together at the end (shown below).



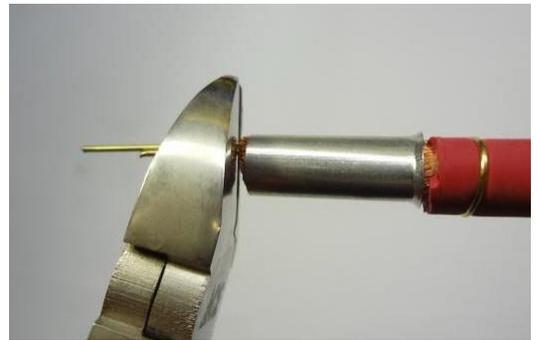
12. Cut the insulation from score to end with utility knife and pull the insulation off.



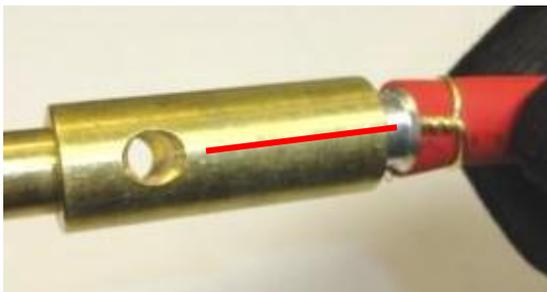
13. Slide the sleeve over the cable and the tension wires. Squeeze and twist to make it fit.



14. Force the sleeve into the insulation and trim the tension wires flush with the sleeve end.



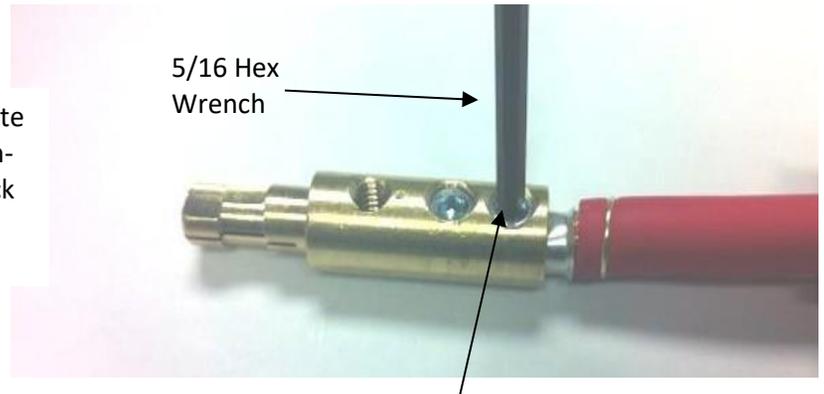
15. Slide lug over sleeved cable, making sure the tension wires are opposite of the lug set screws.



16. Install both short zinc-plated sets of screws into mating holes and tighten.



18. Making sure the tension wires are still opposite the set screws, torque each set screw to 80 in-pds without stripping screw threads and check connection.



Torque set screws to 80 in-pds.

20. Slide Camlock body over lug and align body hole with lug threaded hole below.



19. Install black body screw and tighten carefully.

1/8 Straight Screwdriver



17. Install loom over cable and trim to tightly fit body end. Carefully wrap electrical tape about tubing as shown to keep the slit closed.

