

MTR CC0 1001, MTR CC0 1002, MTR CC0 1003, MTR CC0 1004, MTR CC0 1005, MTR CC0 1006, MTR CC0 1007 & MTR CC0 0379, Motor Installation Instructions for Club Car Model Golf Carts



Tools And Materials That May Be Required To Install Kit

- 1) SAE socket set, with ratchet and 3" and 6" extensions.
- 2) SAE combination wrench set.
- 3) #2 Phillips and Flat Tip screwdrivers.
- 4) Wire cutters.
- 5) Wire crimpers.
- 6) Heavy weight grease.
- 7) Safety goggles/glasses.



Additional Tools Which Make The Job Better And Faster

- 1) Battery Carrying Strap. Part # BTA UNV 1001.
- 2) Battery Terminal Protector Spray. Part # MNT UNV 0512.
- 3) Battery Terminal Re-Facer. Part # TLS UNV 6002.
- 4) Volt OHM Meter. Part # MET DIG OHM.
- 5) Small Box of Baking Soda. Local store purchase.



BTA UNV 1001



MNT UNV 0512



TLS UNV 6002



MET DIG OHM

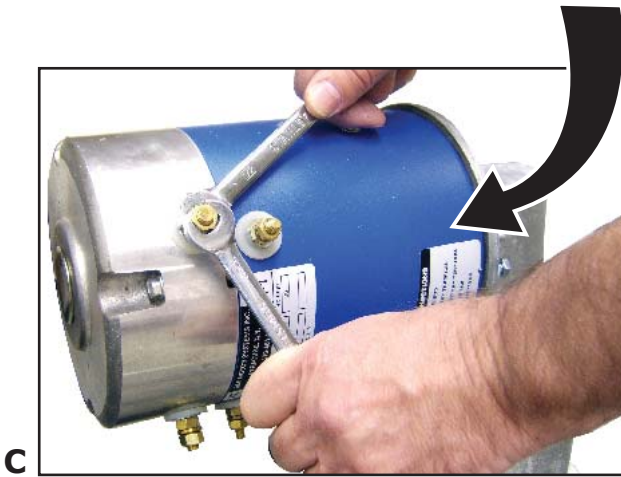
A Note Before Starting

Throughout this installation, we will be discussing the connection of cables to the drive motor. The cables will be attached to threaded lugs or "posts". An understanding of cable connections is important. You will notice these lugs utilize a set of double nuts to hold the cable terminal firmly in place. Typically, a cable terminal and a washer will be sandwiched between these two nuts. An open-end wrench of the appropriate size should be held on the bottom nut, while use of an opposing wrench relieves the threaded lug of excessive stress and eliminates the possibility of damaging the seals at the base of these lugs. Failure to use the opposing wrench technique on double-nutted lugs can permanently damage the component. Seal damage at these electrical contact points will **void** the warranty for that component.

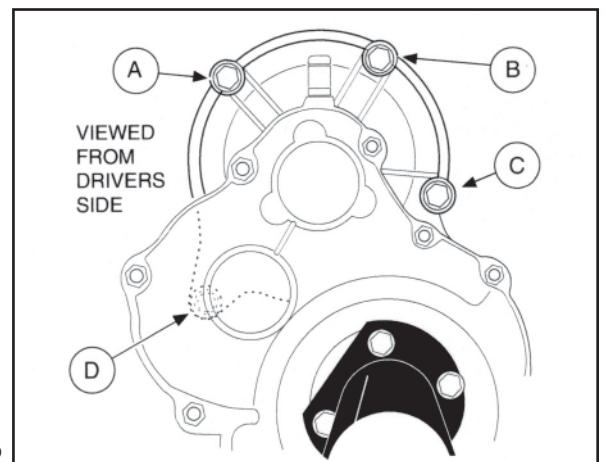
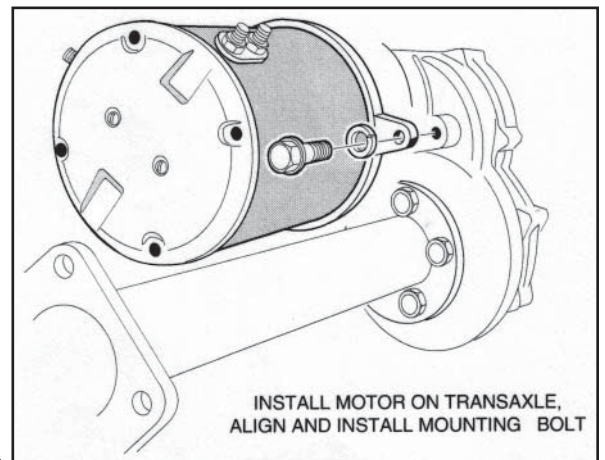
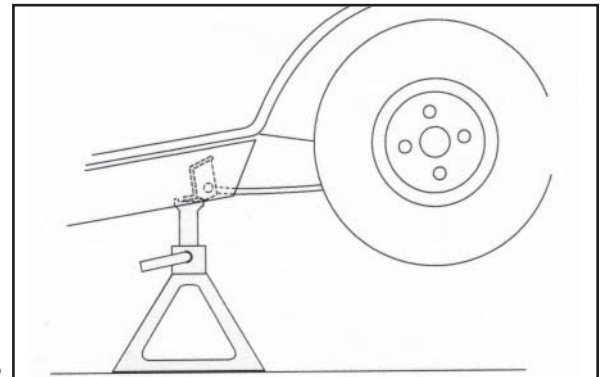
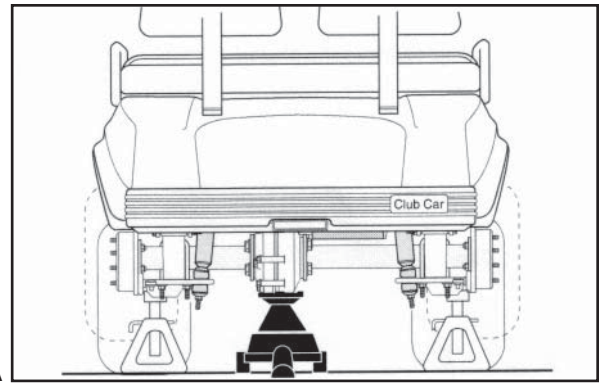
The use of jack stands and safety glasses are needed. Jack the cart up as high as possible (Figure A). Place jack stands in the area noted in Figure B.

1) Disconnect the batteries and make sure the run/tow switch is in the tow position as the application requires.

2) Disconnect the cables from the four connection points using the opposing wrench technique (Figure C) to prevent damage to the motor connecting points. It would be best to label each cable as they are removed with the appropriate lettering (A1, A2, S1, and S2).



3) You will see four mounting screws for the motor mounting (Figure D1 & 2). Mounting bolts A, B, and C will require a 7/16" socket or wrench for removal. The bottom (D) bolt will require a 1/2" socket or wrench.



4) Motor Removal (Figure E)

Grasp the motor and wiggle and pull outward. **Caution: the motor is 60 to 70 LBS. and will drop suddenly.** Be prepared for the drop as not to crush fingers or hands! There is room between the axle and car to remove the motor with a little work. Remove the motor and clean all the mounting areas.

5) Add Molykote G or suitable heavy lube to the female splines of the motor armature (a little is a lot). **Do NOT apply an over amount of lube.**

6) Slide the motor onto the input shaft in a twisting and pushing motion.

7) Install the four mounting bolts and tighten the bolts in a criss cross pattern (1/4" bolts (60-70 inch lbs) 5/16" bolt (140-170 inch lbs) **(Figure F)**.

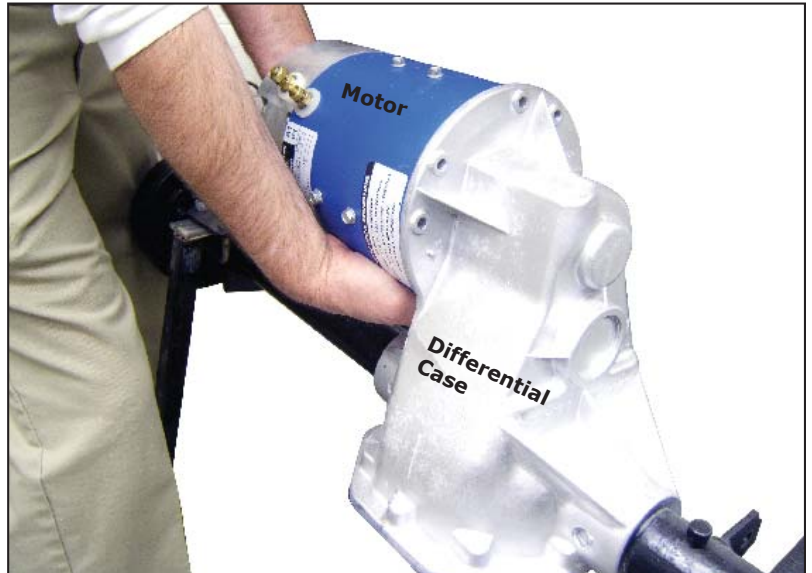
8) Install the motor cables using the two wrench method to prevent connector damage.

9) Check all the connections as per the wiring diagram **(Page 4)** before making the battery connections.

10) Connect the batteries.

11) Turn the Run/Tow switch back to the run position.

E



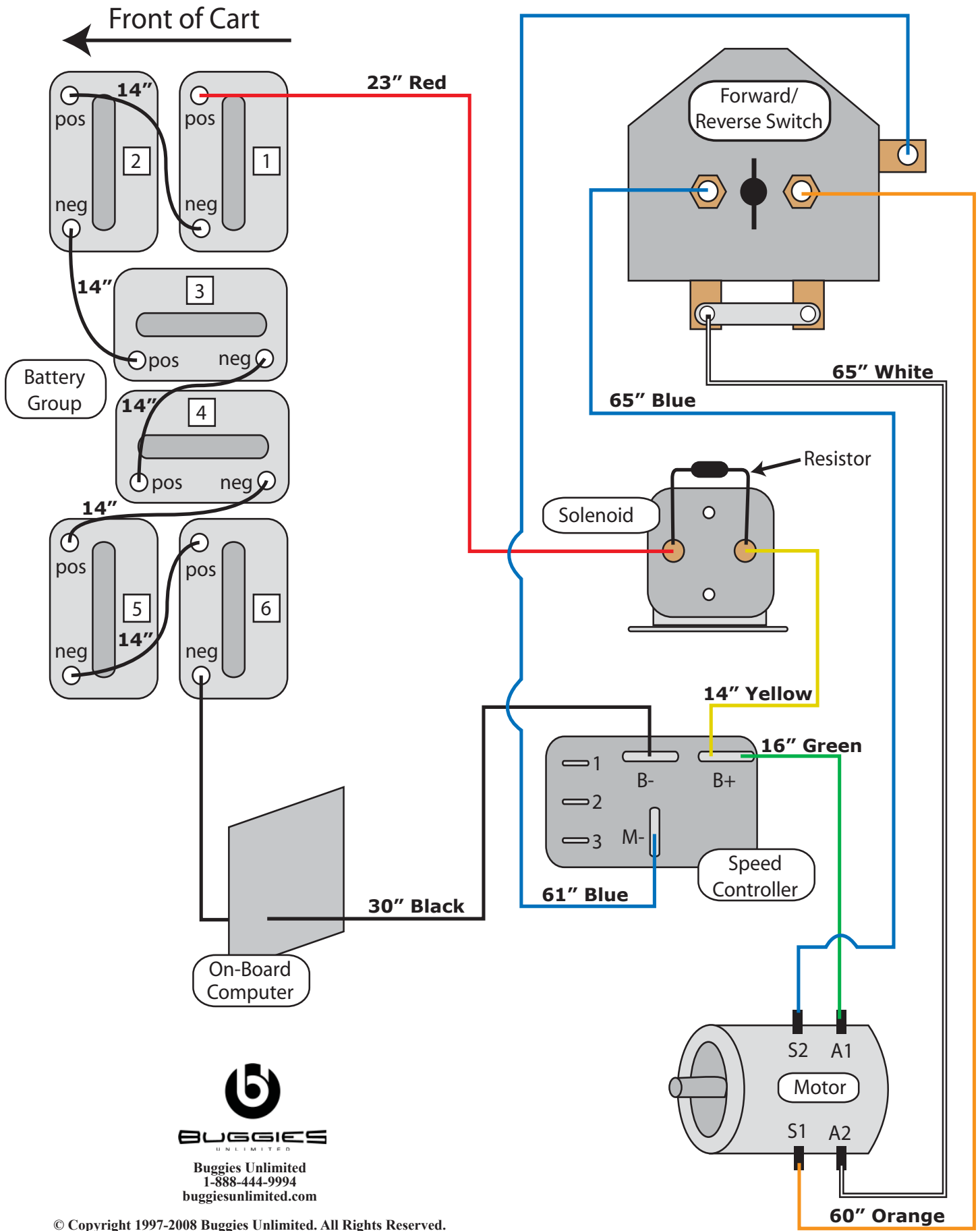
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Heavy Gauge Wiring Diagram