



Club Car 1510 to Curtis 1268 Conversion

Installation Instructions





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Before you start turn Tow/Run switch to Tow and disconnect the + side of the battery.

Parts List

Qty	Description	FSIP Part Number
1	Motor Control	62-12685501CK
1	Wire Harness	62-12685501CKW
1	Walkaway Harness	62-FRPL-WH
1	FSIP Hardware Kit	62-12685501CKH
1	Installation Instructions	62-12685501CKI

Recommended Tools:

- 1/4" drive wrench with 6" extension
- 10, 11 and 14mm sockets
- 13mm (two may be necessary) and 16mm combination wrench
- 5/32 Allen wrench

A. Removing 1510:

- Jack up rear end of car, making sure that both wheels are off the ground.
- Make sure the key switch is off and the Tow/Run switch is in the Tow position.
- Disconnect the battery positive cable at the terminal.
- Remove the back cover and any other hardware obstructing access to the back cover (**Figure 1**).
- Remove the screws holding the controller cover in place, including the bracket to the left of the controller. The cover and mounting bolts will not be needed again.
- Label the wires going to the controller with F1, B-, M-, B+ and F2. Remove the wires and connectors from the original controller as shown in (**Figure 2**).
- Remove the three screws from the controller and remove it from the mounting plate.



Figure 1

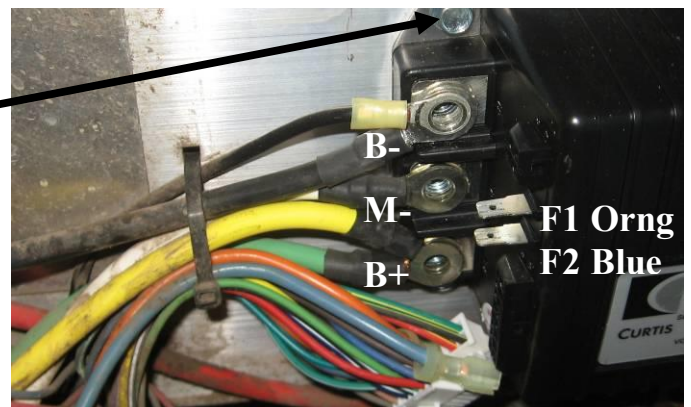


Figure 2

B. Installing the 1268 control:

1. Drill a 4mm hole in an unused location on the frame for the Walkaway fuse (**Figure 20-A**).
2. Drill a 6mm hole in an unused location on the frame for the Walkaway relay (**Figure 20-B**).
3. Install the Walkaway relay using the 6MMx20 bolt, lock washer, Walkaway relay, lock washer 2 and nut.
4. Install the Walkaway fuse using the 4MMx20 bolt, Walkaway fuse, lock washer and nut.
5. Use tape to fasten the drill pattern, found on the last page of these instructions, to the mounting panel. Make sure the battery + from the contactor and the other cables will be able to reach the controller after installation (**Figure 21**).

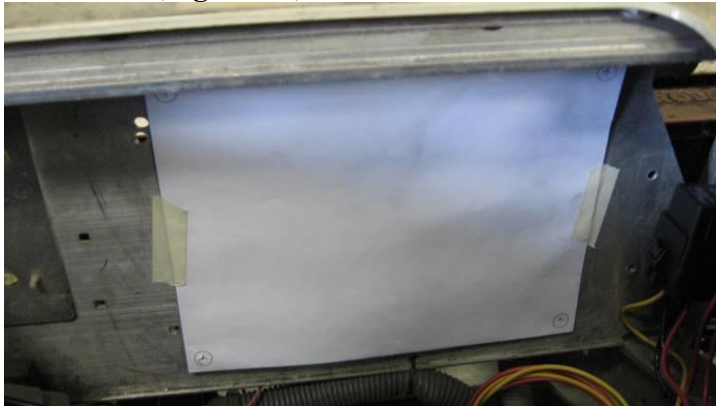


Figure 21

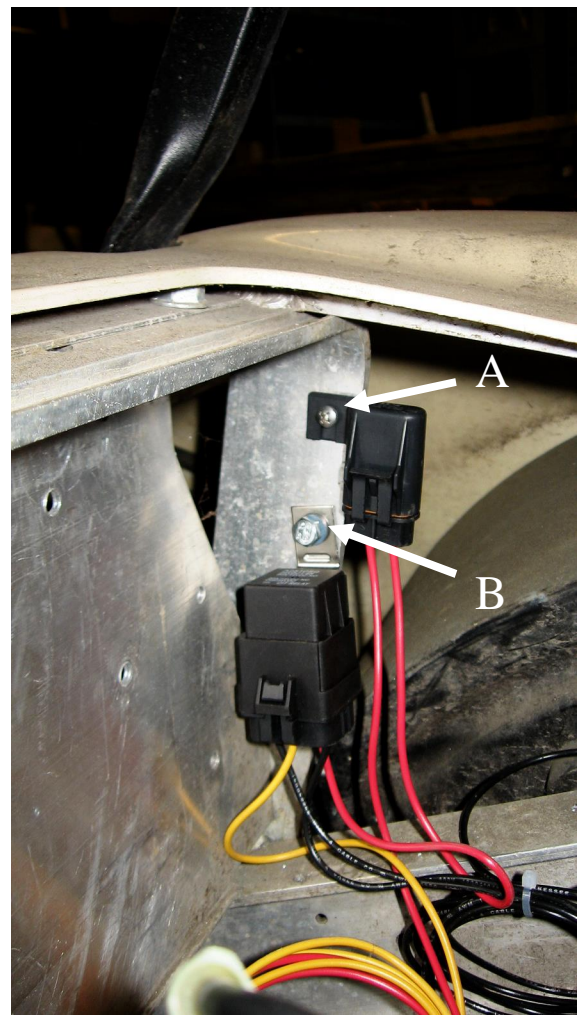


Figure 20

6. Use a punch and hammer to indent the center of each hole.
7. Carefully drill 6mm mounting holes through the back plate. Use a 1mm pilot hole if needed.
8. Remove the drill pattern and tape.
9. Place a washer on the four 6MMx30 bolts and place each bolt in a mounting hole of the 1268 controller. Work the bolts through the new holes in the back plate.
10. On the backside of each bolt place a nut, lock washer and flat washer. After all four nuts are on incrementally tighten them in a Z pattern until the controller is firmly fastened to the back plate (**Figure 22**).



Figure 22

11. Use electrical pliers to cut the female spade terminal (**Figure 23-A**) off of both of the Field wires. Strip 5mm of sheath off of the end of both wires and slide the ring terminal supplied on to the end of the wires. Crimp the ring terminal on to both wires (**Figure 23-B**).
12. Mount the Field wires to the controller using the Phillips head screws. * Note: The controller and motor field designators may be opposites. If the cart direction is reversed switch F1 and F2.*

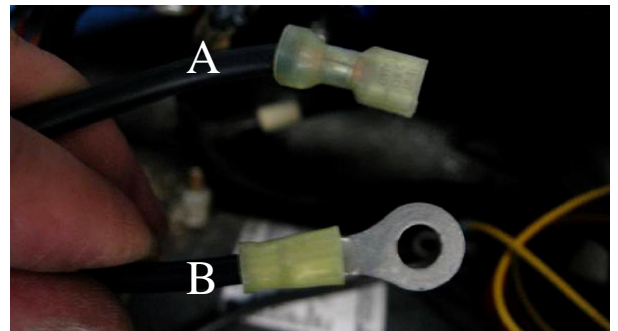


Figure 23

13. Use the screws and lock washers provided to mount the motor and battery wires to the controller (Figure 24). From top to bottom the wires should be:



Figure 24

Description	#	Where From
Field 1 (F1)	1	Motor F1 or other
Battery ó (B-)	2	Battery & Charge
Motor ó (M-)	1	Motor Ground
Battery + (B+)	2	Contactor & Motor +
Field 2 (F2)	1	Motor F2 or other

14. Remove the pre-charge resistor from the contactor. Connect the yellow wire with a ring terminal coming from the Walkaway relay, to the contactor on the controller side where the yellow wire is already connected. Connect the red wire with a ring terminal coming from the Walkaway relay, to the contactor on the battery side where the red wire is already connected. (Figure 25).

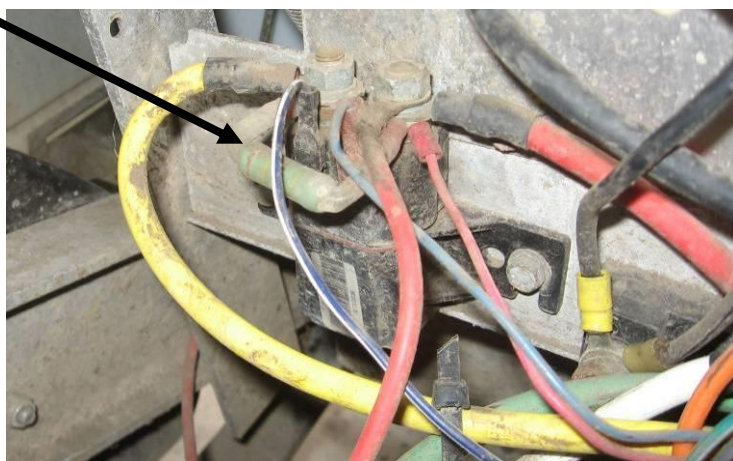


Figure 25

15. Zip-tie the Walkaway harnesses loose wires.
 16. Plug the 24pin connector and 6pin connector of the harness provided in to the controller. Plug the 16pin connector in to the vehicle and the 2pin connector in to the Walkaway harness connector as shown below (Figure 26). For installation in the Precedent use the image on the following page (Figure 27).

17. Reconnect the positive battery cable from the contactor to the battery. Reinstall the back cover.

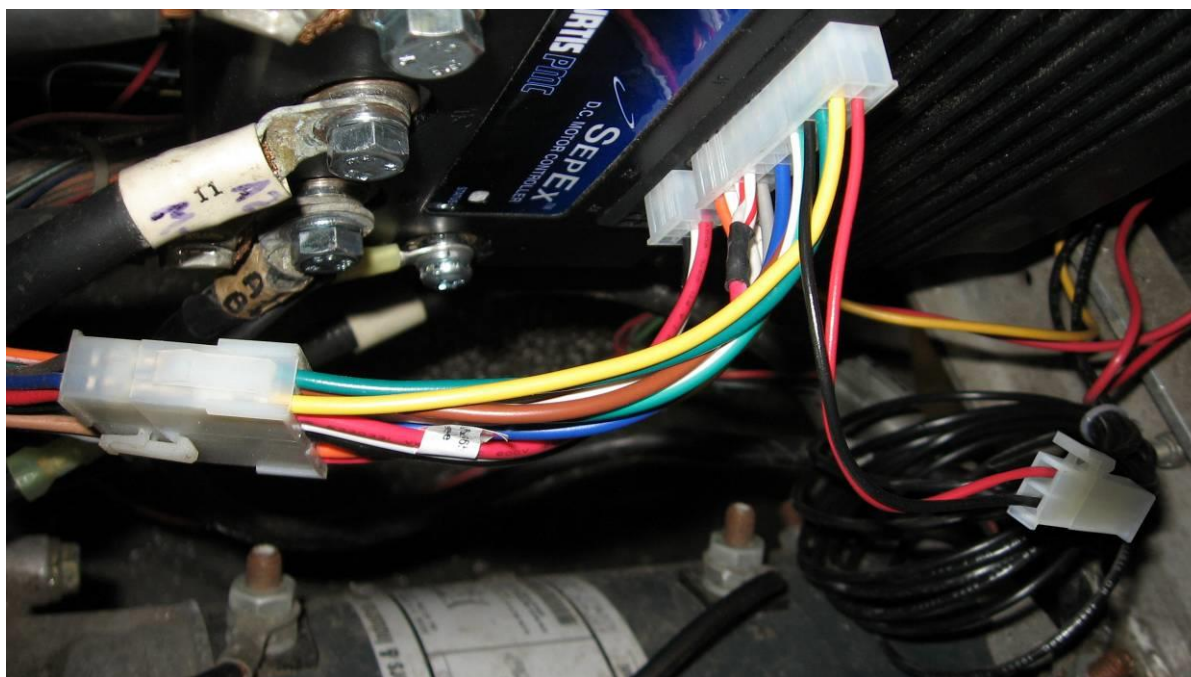


Figure 26

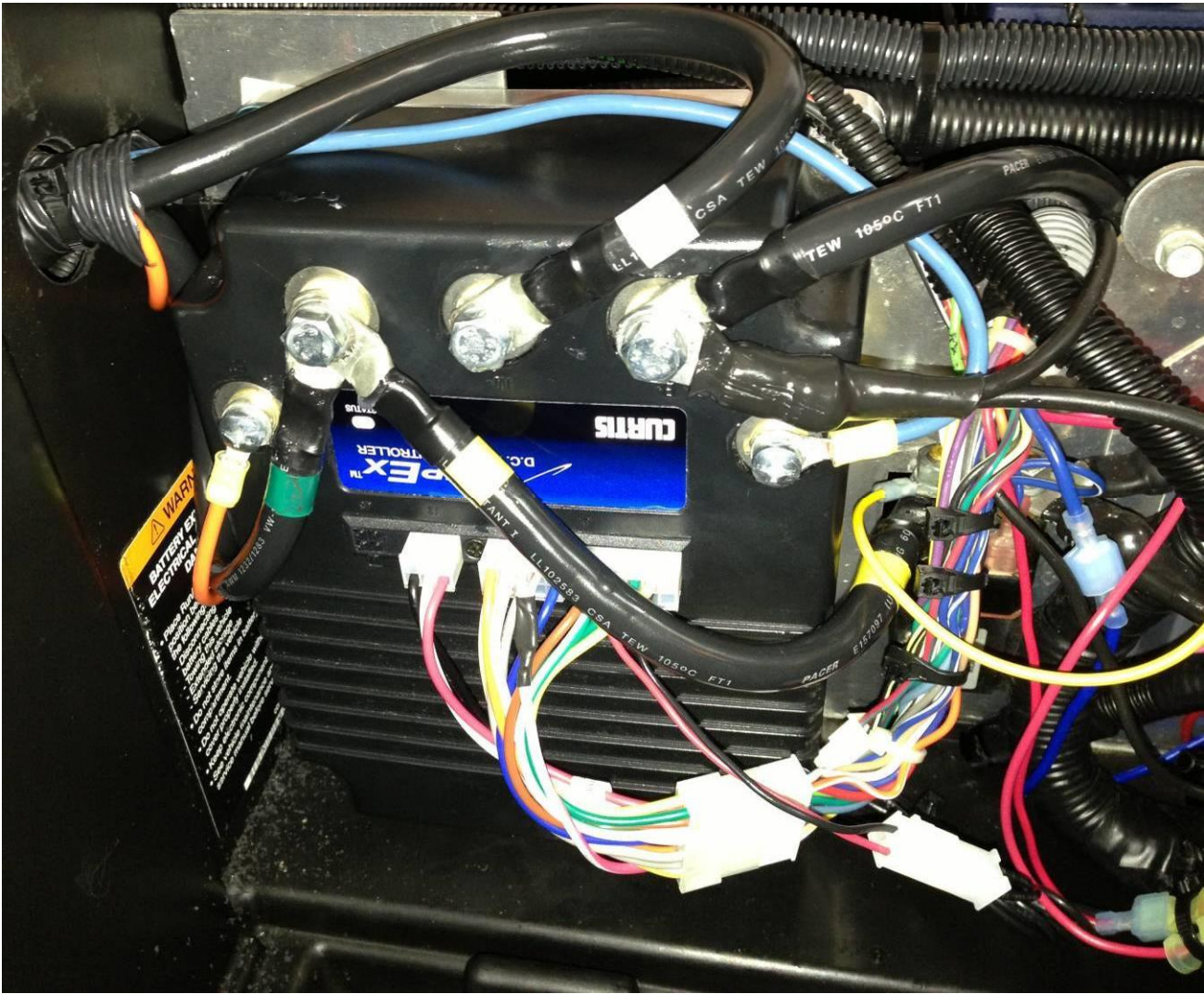


Figure 27

