



Kinetek KCCA0038 to Curtis 1244 Conversion

Installation Instructions





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Before you start...disconnect the (Positive) + side of the battery.

Items in kit: Wire harness adapter, 1ft 2ga wire, 5 wire ties, 4 bolts & nuts, and 3 tubes of thermal grease.

Tools needed: 13mm socket wrench, 10mm socket wrench, 0.236 drill bit, Phillips screwdriver, allen key set.

A. Removing original control panel and control from the cart:

1. Remove the 4 Phillips screws holding the back panel on the cart. Remove panel. See Figure 1.
2. Remove the 4 bolts securing the basket onto the back of the cart. Remove basket. See Figures 2 & 3.
 - a. There are 4 bolts around the outside of the cart and 4 nuts on the inside.
3. Remove the 5 Phillips screws securing the motor / controller cover. See Figures 4 & 5.
 - a. There are 3 screws on the top and 2 screws under the seat.
4. Remove the 5 Allen head screws from the control. Mark the wires with the designators on the control as you are taking them off.
5. Remove the 24 pin connector from the control.
6. Remove all wires restricting the removal of the controller carriage. Again mark the wires so you can reconnect them later
7. Remove the last 2 bolts holding the carriage to the frame of the vehicle.
8. The carriage can now be removed from the cart with no restrictions.
9. Remove the 4 Phillips head screws securing the control to the panel. Remove old control.

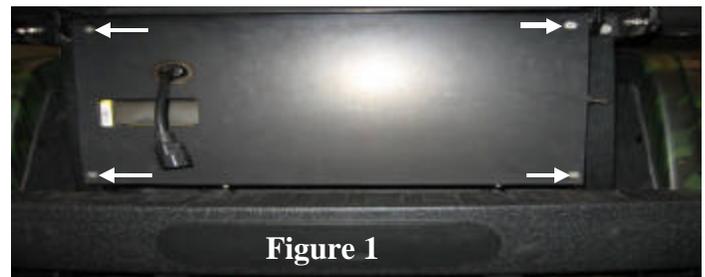


Figure 1

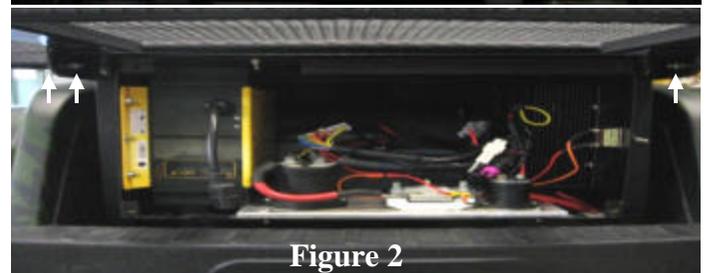


Figure 2

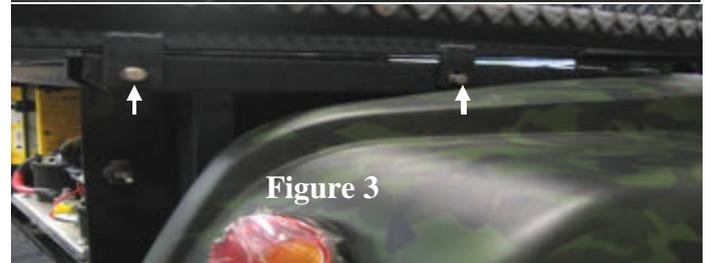


Figure 3



Figure 4

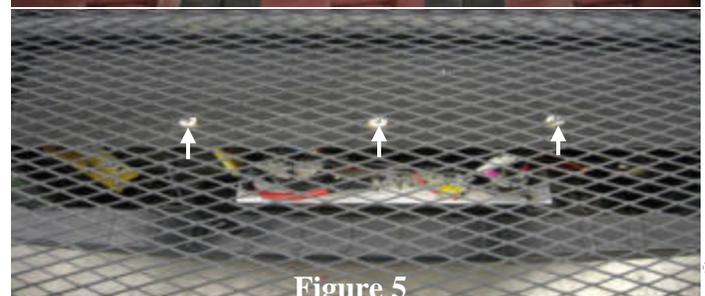


Figure 5

B. Installing the 1244 control:

1. Drill 4 holes with a 0.236 diameter drill bit.
 - a. Slide the new control in place of the old control. The motor / battery posts should be toward the DC to DC converter.
 - b. Slide the control toward the battery charger. The Controller heat sink may hit the screw in the panel.
 - c. The heat sink of the control has 4 holes, mark these holes so when you remove the control you know where to drill.
 - d. Remove control and drill holes where marked.
2. Using alcohol, wipe the heat sink to remove old thermal grease and any debris.
3. Evenly coat the bottom of the control with the supplied thermal grease.
4. Using the supplied hardware, secure the control to the heat sink.
5. Remove the Black cable connecting the Main contactor to the fuse block.
6. Connect the red cable from the other side of the contactor to the fuse block, where the black cable was removed.
7. Line item A7 you removed 2 bolts to remove the carriage from the vehicle. Using the same 2 bolts install the carriage back into the vehicle.
8. Connect the supplied cable between the contactor stud with no wires (where black wire was removed) and the B+ side of the control.
9. Connect all wires previously removed, except the 24pin connector.
 - a. **NOTE: Hardware from the old control can be used on the new control.**
10. Install the supplied adapter wire harness between the control and the vehicle harness.
11. Use the supplied wire ties to bundle wires.
12. Reinstall the Motor / Motor controller cover A3 (5 screws), A2 Basket (4 bolts), and A1 Back plate (4 screws).
13. Reconnect the (Positive) + side of the battery.