



STENTEN'S INSTRUCTIONS

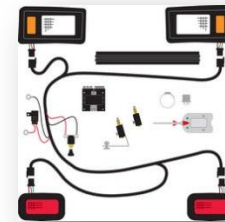


INSTALLATION INSTRUCTIONS

LP2003D

Ultimate Light Kit

Club Car DS



NOTICE: The following instructions have been written based on a Club Car 48VDC (STD) vehicle.

1. Remove contents from shipping package.
2. Contents:
 - System installation instruction sheet(s)
 - Wiring harness c/w Turn signal unit c/w hose clamp and Flasher unit
 - Left & right headlights c/w turn signals
 - Left & right rear lights
 - Hardware package
 - Instruction sheet & template for head light bezels

Reference Manuals: Club Car Maintenance Manual 101 9051-01
 Club Car DC Converter Kit Installation Manual

3. It is recommended to remove the front cowling, refer to Club Car maintenance manual 101 9051-01 for removal procedure.
4. Disconnect the vehicle batteries. Disconnect battery #1 at the Positive (+) post (location passenger side rear battery) and battery # 6 at the Negative (-) post (location drivers side rear battery).
5. Discharge the vehicle system. Turn key to the on position, select reverse, reverse buzzer will sound. Depress the GO pedal to the floor until the buzzer stops, turn off key.
6. Retrieve the Stenten's wiring harness. The indicator pigtail harness must be disconnected. Unplug the four-pin connector (yellow, orange, green and brown), unplug the red lead connector, disconnect the blue and black wires from the flasher and disconnect the black ground wire on the fuse panel.
7. Loosen and pull out the center console panel. This allows the connectors to be fed through the opening, which the steering column passes through.
8. Set the wiring harness in the front of the vehicle, and then mount the fuse panel on the vehicle frame, behind the on/off power switch using the two machine screws and lock nuts (Figure 1).

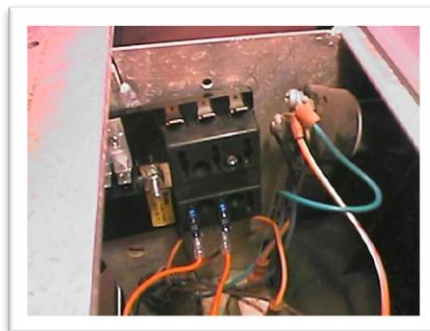


Figure 1 Fuse Panel



STENTEN'S INSTRUCTIONS

9. Select the head light connectors from the wiring harness and orientate them for the left and right hand headlights. The longer of the two headlight cables is for the passenger side. Use tie wraps to secure the routing of the harness wires. (Figure 2)

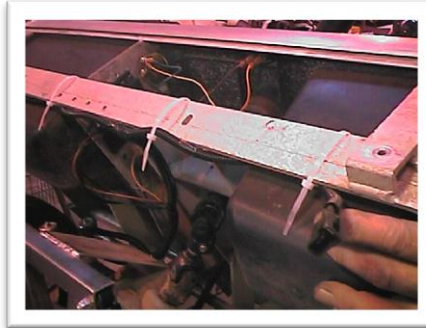


Figure 2 Headlight wiring

10. Route the wiring harness down the outer side of the left (driver's side) frame towards the brake pedal.
11. Locate the location marker in the center dash at the upper left corner, using a 3/8" drill bit; drill a hole to accommodate the light switch.
12. Remove the switch knob from the switch by unscrewing, remove the nut and washer.
13. Mount the switch through the hole from the rear. Secure with washer and nut then replace the switch knob. (Figure 3)



Figure 3 Light Switch

14. Reconnect the indicator harness. Plug the four-pin connector (yellow, orange, green and brown), plug the red lead connector to its mate (blue wire), connect the blue and black wires to the flasher (black to L, blue to P) and connect the black ground wire (clear connector cover) on the fuse panel.
15. Secure the main harness down the left-hand frame member.
16. Locate the brake switch and park brake switch on the wiring harness.
17. Locate the holes in the floor plate behind the brake pedal. Enlarge the holes to accommodate the screws if necessary.



STENTEN'S INSTRUCTIONS

18. Mount the brake switch using the two machine screws and lock nuts (Figure 4).

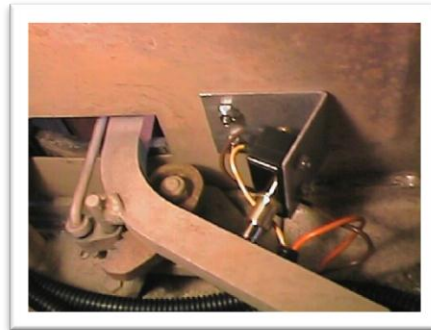


Figure 4 Brake Switch

19. Route the park brake switch up through the floor plate by the brake pedal stem.
20. Remove the stop pedal rubber by removing the screws from the back of the pedal plate.
21. Mount the park brake switch, plunger down, behind the pedal plate and secure with the 2 machine screws and lock nuts. Holes are provided in the pedal plate (Figure 5).

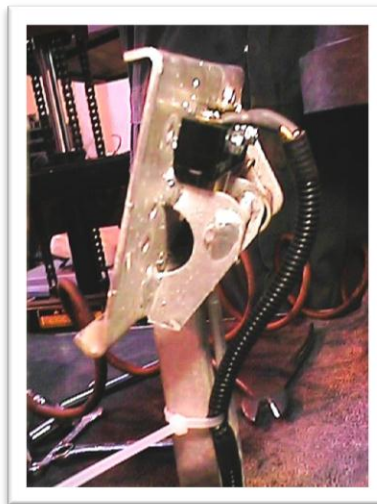


Figure 5 Park Brake Switch

22. Set the plunger distance from the rod at approx. 1/16" then tighten the 2 screws. The plunger and rod can be viewed through the hole in the footplate.
23. Secure the wiring to the brake pedal stem.
24. Remount the pedal rubber and secure with screws.
25. Route the main harness along the frame to a point where the negative and fused power leads are in proximity to the batteries.
26. On 12V and 36 V systems the power and negative leads from the harness would connect direct to the battery (s).



STENTEN'S INSTRUCTIONS

Converter: Note for complete instructions on mounting of the converter, refer to:
Club Car DC Converter Kit Installation Manual

27. Mount the 48VDC to 12VDC converter on the vehicle frame (Figure 7).

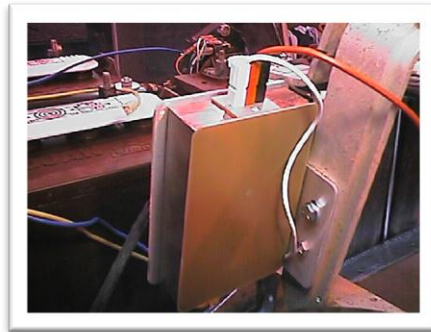


Figure 7 Converter

28. Black wire from the converter to B- on the controller.
29. Red wire with in-line fuse from wiring harness to the positive post on battery #5.
30. Black wire of wiring harness to 12-volt side of converter.
31. **Caution:** When reinstalling dash make sure that the terminals of the switch do not make contact with the frame. Reinstall the center dash.
32. Route the taillight wiring to the rear of the vehicle to accommodate the left and right rear lights. The longer of the two taillight connections goes to the passenger side of the vehicle. Secure the harness to the frame of the vehicle.
33. Mount the indicator switch to the steering column. Mount the switch approximately 3 inches from the base to the steering wheel. Secure in place with the hose clamp. (Figure 8.)



Figure 8 Indicator Switch



STENTEN'S INSTRUCTIONS

34. Enclose the indicator wiring harness with the cover extrusion push into position around the steering column. (Figure 9)



Figure 9 Cover Extrusion

35. Cut holes into the body for the front and rear lights. Refer to the instruction sheet and template. **INSTALLATION INSTRUCTIONS FOR THE HEADLIGHT BEZELS FOR CLUB CAR, 1993 AND NEWER, WITH ARMORFLEX BODY.**
36. Install front and rear lights and connect to wiring harness.
37. Recheck vehicle harness for attachment to the vehicle, secure as required.
38. Check all connections.
39. Reconnect the vehicle batteries.
40. Test lighting system.