

LEWMAR®

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Instructions: 48000234 ELS Single Speed Control box Upgrade Kit

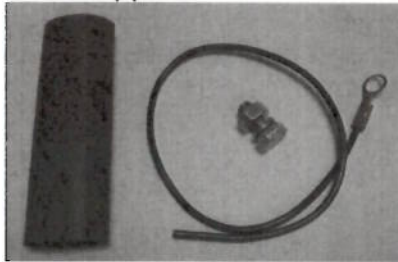
This upgrade kit is supplied if the installer is replacing an old Lewmar ELS single speed control box (part number 48000081 – 94) with a new version ELS control box (part number 48000215 – 230)

This kit is supplied to account for difference in connections between the old and new box design. The parts will allow the battery and motor negative cables to be joined and a new wire inserted for connection to the new control box.

This leaflet/instruction is a supplement to installation instructions for the ELS winch control box and the Lewmar powered winch. Make sure you have read and understood all relative instructions.

Installation work should be carried out by suitably qualified personnel.

Parts supplied are:



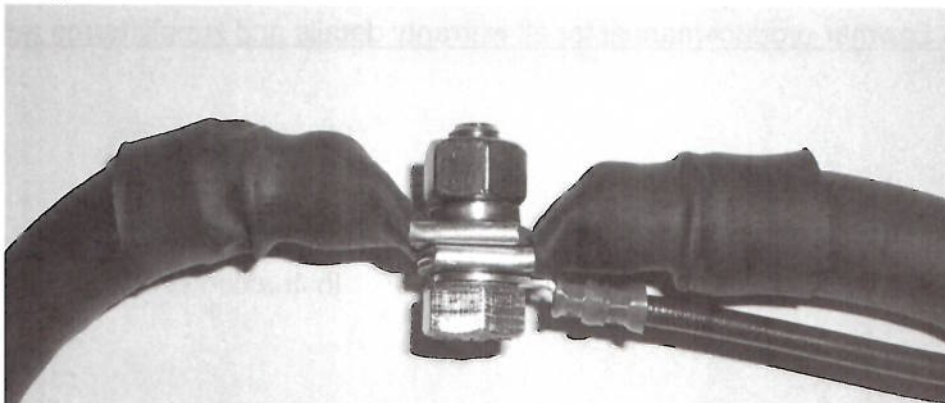
- M8 x 16 Stainless steel bolt/spring washer/nut
- Small 16awg black wire with M8 eyelet crimp
- 100mm of adhesive lined heatshrink.

Tools required:

- 2 x 13mm spanners
- Standard wire crimp tool
- Small electrical screwdriver
- Wire strippers
- Hot air gun

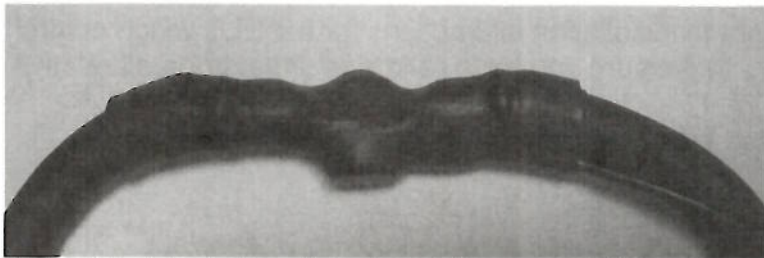
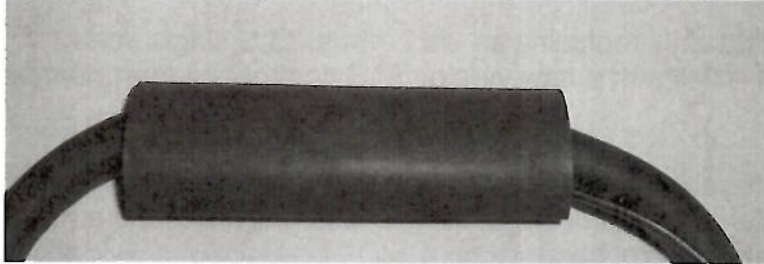
Instructions

1. Slip the heatshrink tube over one of the larger cables.
2. Use supplied bolt to join the battery and motor negative cables together with the small wire supplied as shown in figure below:
The cable lugs must be clean and in direct contact with each other



Tighten nut until the spring washer is firmly compressed.

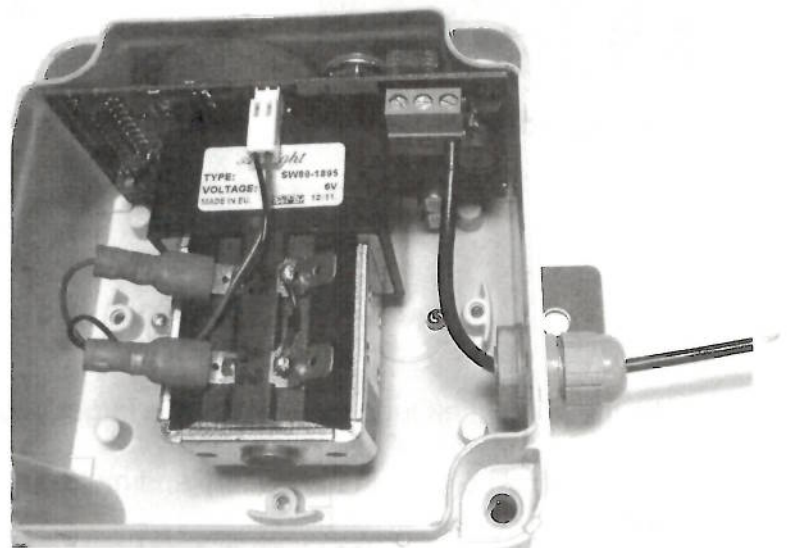
3. Cover the bolted joint with the heatshrink tube and use hot air gun to activate the heatshrink. Warning hot adhesive may seep out the tube as heated.



Note this join is insulated and dustproof, it is not watertight and appropriate precautions must be taken if to be fitted in a damp environment.

4. Strip the end of the small wire and insert into the ELS control box through the gland and connect to the appropriate terminal as shown opposite:

5. Refer to ELS control box wiring instructions supplied with the control box/winch for the rest of the installation and operation.



Refer to main Lewmar product manual for all warranty details and supply terms and conditions.