

Temporary securing of the interior engine control

This document describes two methods of temporarily securing the internal engine control.

A. Securing with a line

A line can be used to secure the engine control lever at the interior helm station in neutral.

Required material

- Line, approx. 2.5 m long
- Cordless drill
- 10-13 mm drill bit
- Countersink or knife

Procedure

1. Set both helm stations to neutral. Make sure the gear lever on the gearbox is exactly at right angles to the direction of travel and in neutral.
2. Drill a hole in the end of the engine control lever. The hole must be large enough for the line to pass through at least twice.
3. Deburr the hole with a countersink or carefully with a knife.
4. Remove the two electronics access covers in the navigation wall and stow them safely.
5. Find the centre of the line and place it on the axis of the engine control lever. Wrap the line tightly around the axis until the lever can no longer be pushed in.
6. Secure the wraps with a reef knot or another suitable knot.
7. Lead the ends of the line behind the panel to the hole in the end of the shift lever, as shown in the figures. Make sure the line is routed cleanly around the shift mechanism behind the panel.
8. Feed each end of the line through the hole, one after the other.
9. Tension the ends of the line appropriately and tie them off, e.g. with several half hitches.

The following images show the procedure:



Figure 1 Hole in the control lever

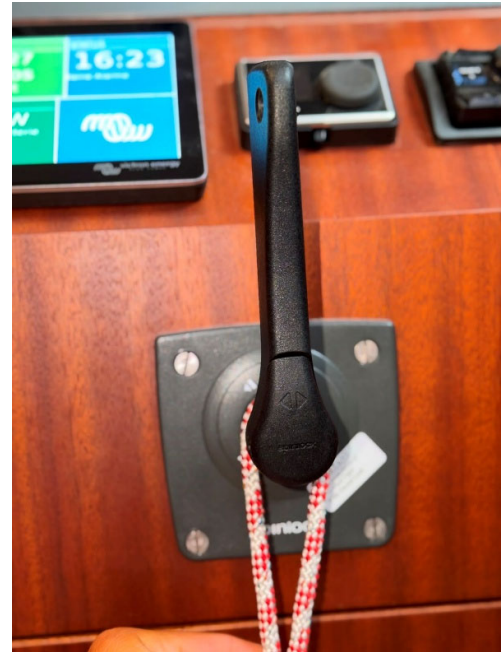


Figure 2 Line placed over the shift lever

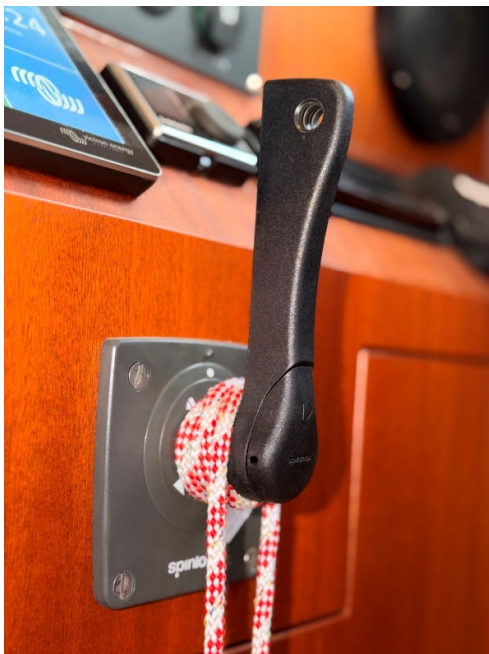


Figure 3 Shift lever axis wrapped and secured



Figure 4 Wraps secured with a reef knot

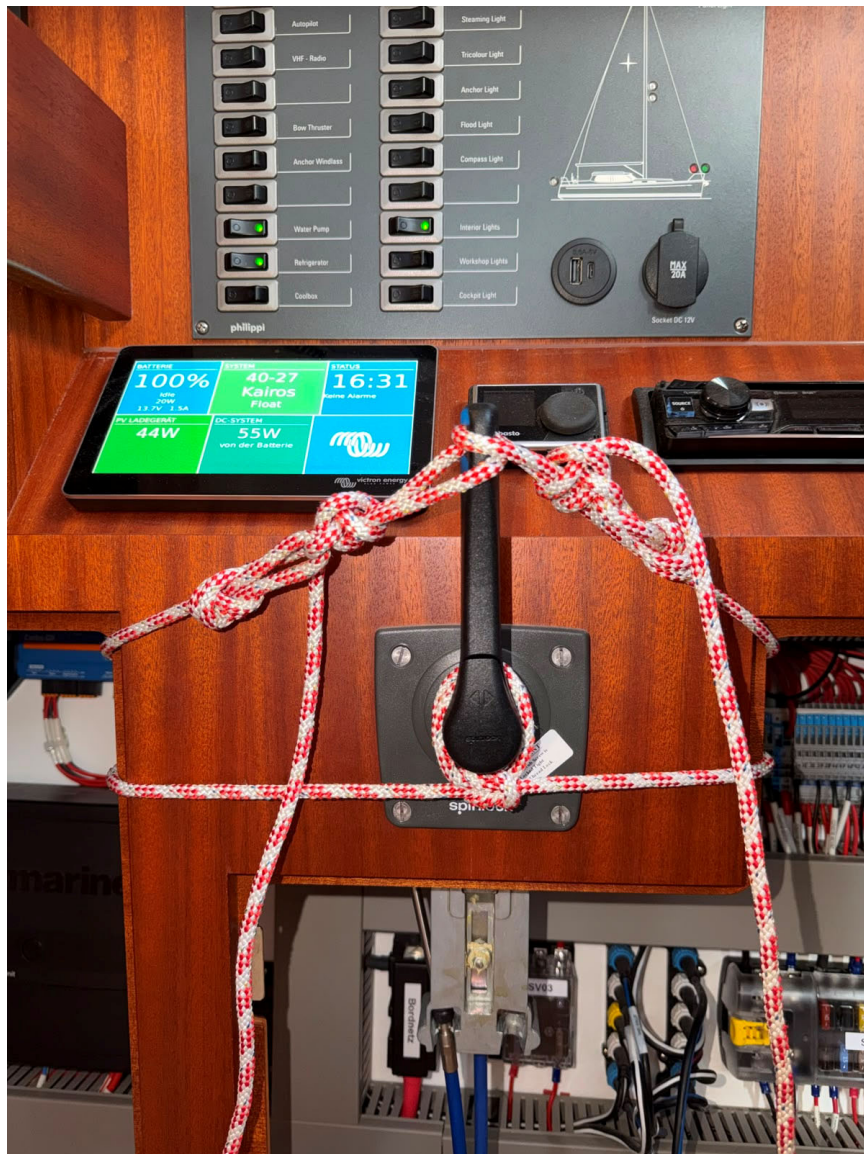


Figure 5 Secured in place interior engine control lever

B. Securing with adhesive tape

Strongly adhesive fabric tape applied to the end of the push-pull cable can prevent a change in length.

Required material

- Strongly adhesive fabric tape (duct tape)
- Methylated spirits, isopropanol or brake cleaner for degreasing

At the engine control

1. Set both helm stations to neutral and, if possible, remove the removable levers. Make sure the gear lever on the gearbox is exactly at right angles to the direction of travel and in neutral.
2. Identify the push-pull cable at the interior helm station that leads to the gearbox. It is always mounted at the side of the mechanism.
3. Slide the rubber cap upwards and, if required, secure it with a bit of tape.
4. Degrease the end of the push-pull cable.
5. Apply a piece of tape approx. 10 cm long lengthwise to the push-pull cable, with the transition from outer sheath to inner cable halfway along the tape.
6. Wrap the tape tightly around the push-pull cable and press it down firmly.

The following images show the procedure:

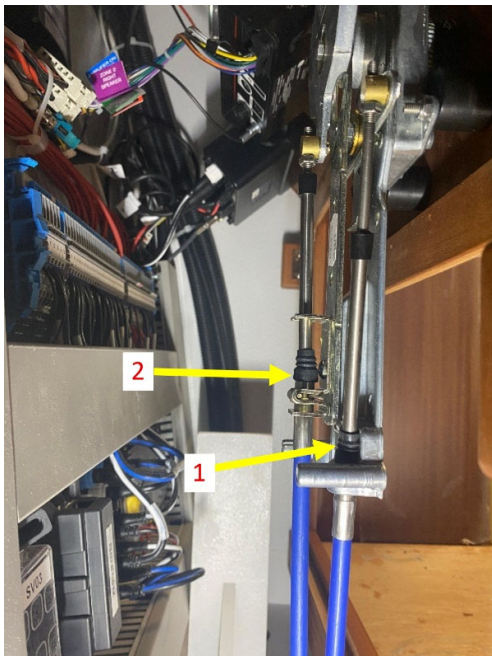


Figure 6 Identify gearbox cable (1 gearbox side, 2 throttle centre)

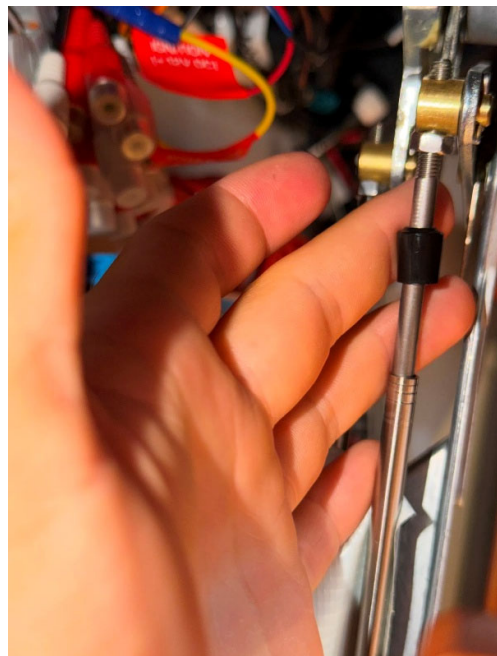


Figure 7 Rubber cap slid aside

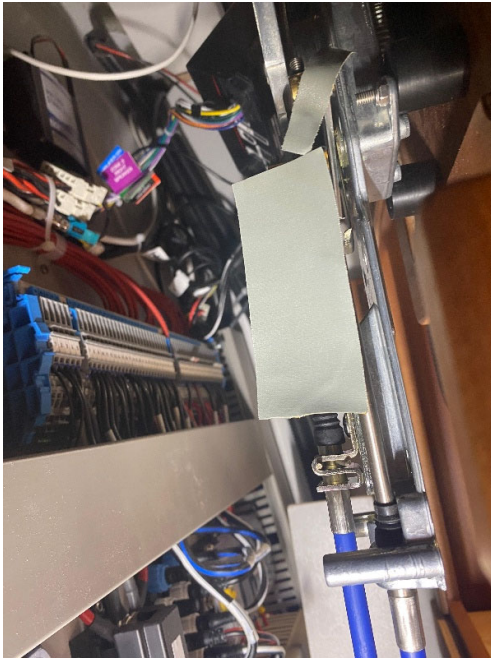


Figure 8 Tape applied



Figure 9 Final result at interior helm station

Removing the Temporary Tape Solution

If you wish to remove the temporary fixing at the internal helm station, remove the tape and ensure that no adhesive residue remains on the push-pull cable. If necessary, remove any remaining adhesive using a suitable cleaning agent.

After removing the temporary fixing, check that the push-pull cable moves freely and that the engine control operates smoothly before putting the yacht back into service.