

B 0.3 Electrics, Battery, Lima

Group	Number	Version
B 0.3	smc-09-83 vwm-09-03	01

Use of a new ground switch relay



Fig. 1

In order to ensure a safe and reliable ground protection of the engine, we have introduced a new relay which replaces the former relay. The output voltage of the new relay is significantly lower which notably reduces the risk of battery post burning when a low battery condition exists.

Therefore we strongly recommend that you no longer use the former relay with the part number **2D0 951 253 B**.

Instead we recommend the exclusive use of a new ground switch relay kit with the part number **065 980 100 A**.

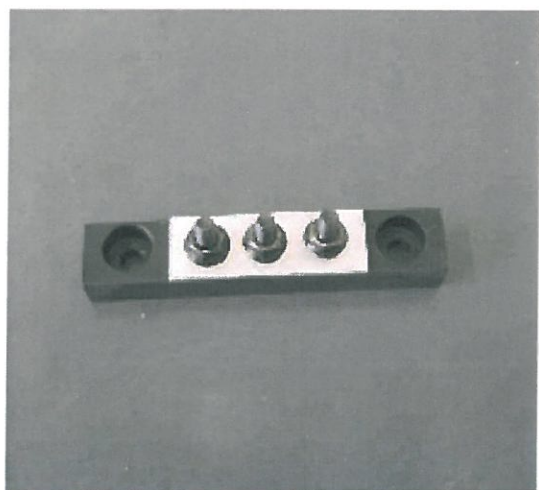


Fig. 2

On the following pages we provide step by step instructions on how to install and connect the new system.

Included in the delivery:

Switch relay (Fig. 1)

Contact bridge (Fig. 2)

Connecting cable (Fig. 3)



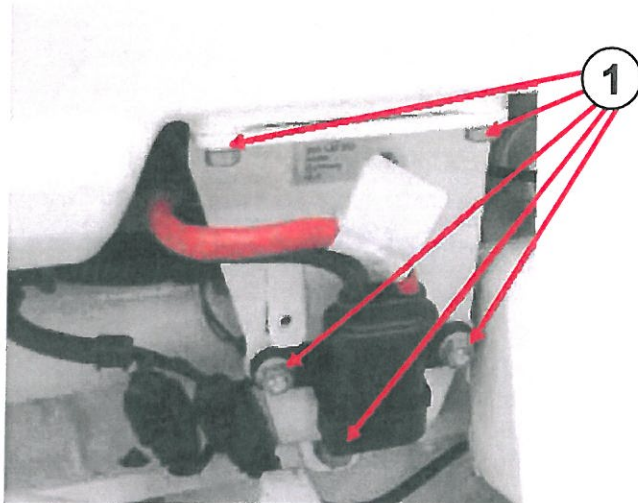
Fig. 3

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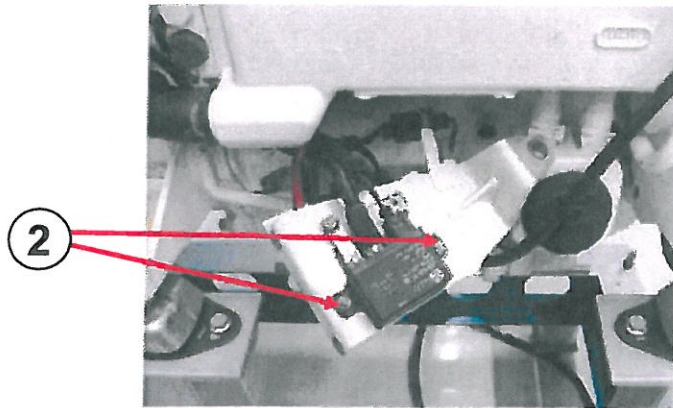
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Installation of the ground relay

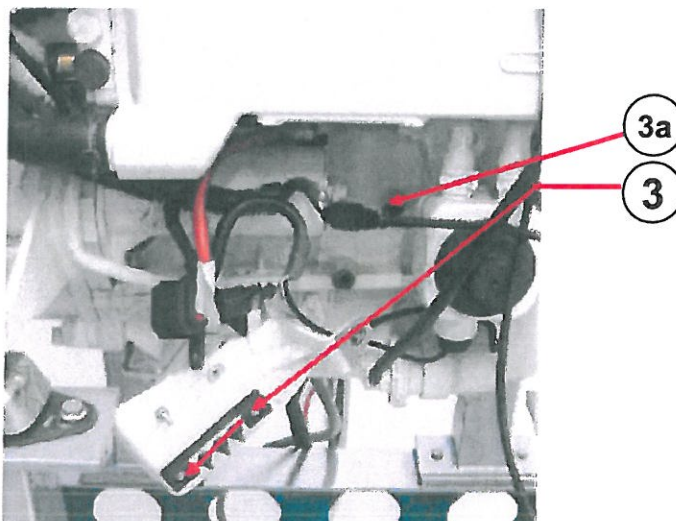
- new relay version -



- 1 Remove all screws of the radiator mounting panel.



- 2 Disassemble the old relay and remove all connections.



- 3 Use the contact bridge to replace the relay.

- 3a Connect the control line to the new relay.

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3b Connect the ground cable supplying the engine electrics to the middle position.

3c The ground cable of the battery connector must be removed to the right side of the radiator mounting panel and connected to the position below.

3d The relay connecting cable included in the delivery must also be attached to the position below.

The above contact will not be used and can therefore be disregarded.

4 The ground connecting lines are attached to the relay. Locate an appropriate place in the engine compartment to install the relay.

The relay is enabled when the ignition is switched on, connecting the boat hull to ground and providing power to the starter and glow plugs.

After the engine has been started, the relay remains switched on for 10 mins after which it drops out.

5 Reinstall the radiator mounting panel.

5a The ground connecting line of the relay must be screwed, together with the battery connector, to the mounting panel.

Make sure that the cables, connectors and contacts on the rear side are not pressed against the starter.

