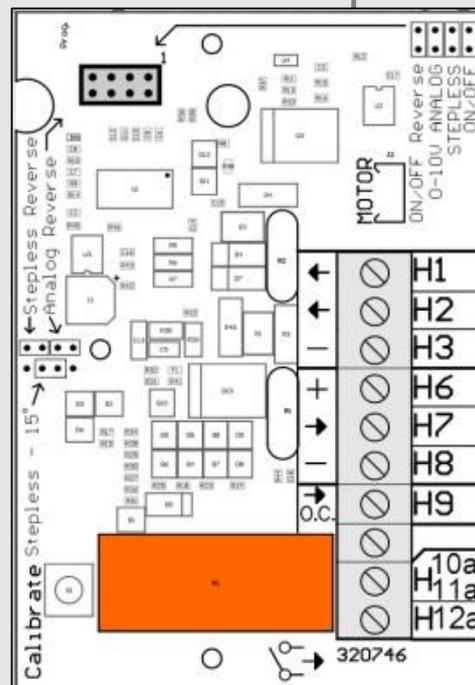


# DA 1700 replacement of shutter PCB and shutter motor

## Technical user guide





# 1 Product Description

This is a replacement part for a shutter PCB or shutter motor on a DA 1700.

## 1.1 Electrical Connection



Rotating fan blades can cause cuts and injury. **DISCONNECT POWER** before removing the cover.

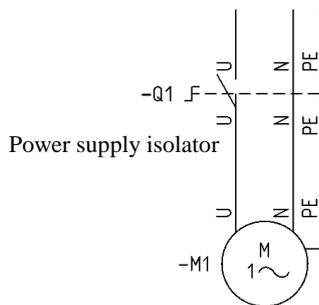


The DA 1700 starts automatically - Therefore, the power must always be **DISCONNECTED** before servicing.



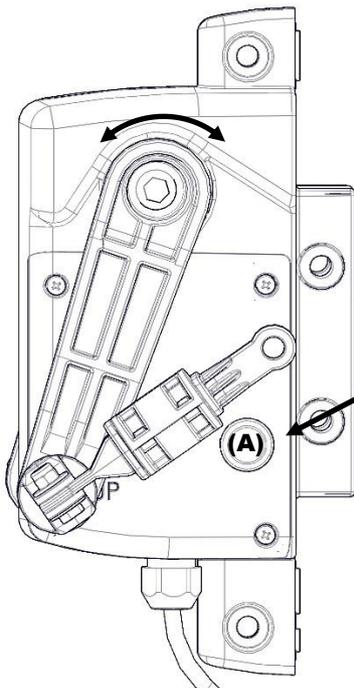
Qualified personnel in accordance with the applicable national and international standard EN 60204-1 and any other EU standards that are applicable in Europe must perform installation, service and fault finding of all electrical equipment.

The installation of a supply isolator is required for each motor and power supply, so maintenance of electrical equipment can be carried out in a dead environment. Supply isolator is not supplied by SKOV A/S.

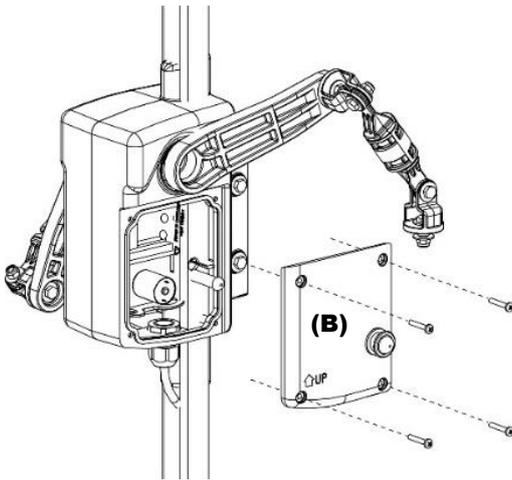


- 1) Disconnect the power supply to the DA 1700 fan at the power supply isolator.

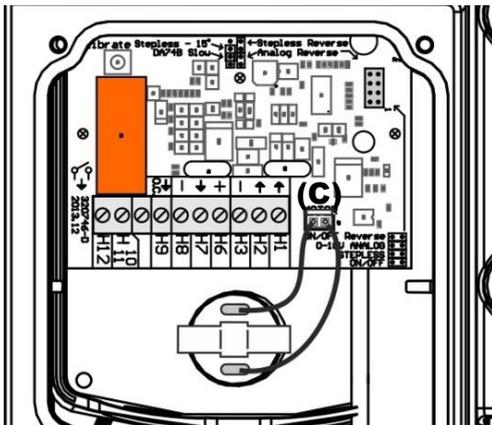
This is to ensure that the DA 1700 fan is not supplied by 230 - 400 V when working on the shutter PCB and shutter motor.



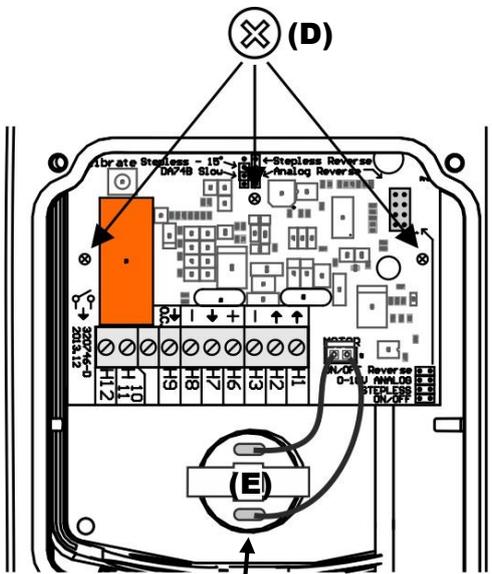
- 2) Press on the manual release button **(A)** to turn the arms on the shutter motor.



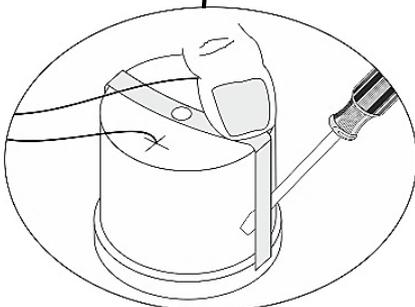
- 3) Disconnect the 24 V power supply to the shutter motor.
- 4) Remove the four screws in the cover.



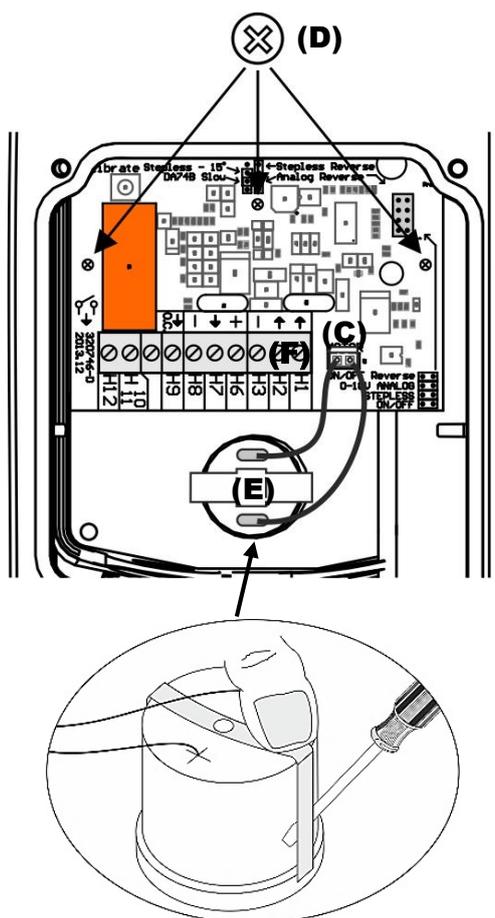
- 5) Disconnect the motor plug **(C)**.



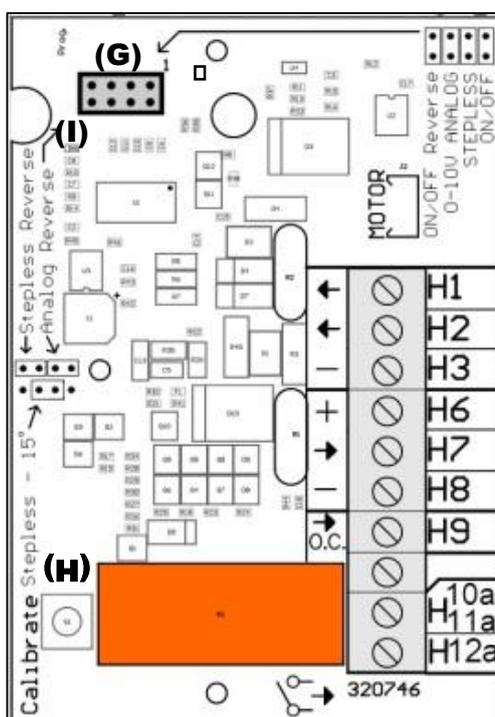
- 6) Remove the three screws holding the PCB **(D)**.
- 7) The leads hold the old PCB until the new PCB is mounted.



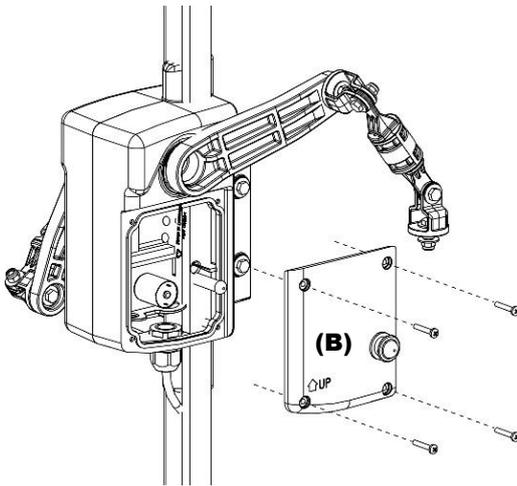
- 8) Remove the motor **(E)**.



- 9) Place the new PCB in its position.
- 10) Screw in the three screws holding the PCB in place **(D)**.
- 11) Move the leads, one at a time, from the faulty PCB to the terminal block of the new PCB **(F)** in accordance with the correct mounting of the leads, see section 1.2.
- 12) Mount the new motor **(E)**.
- 13) Remount the motor plug **(C)**.

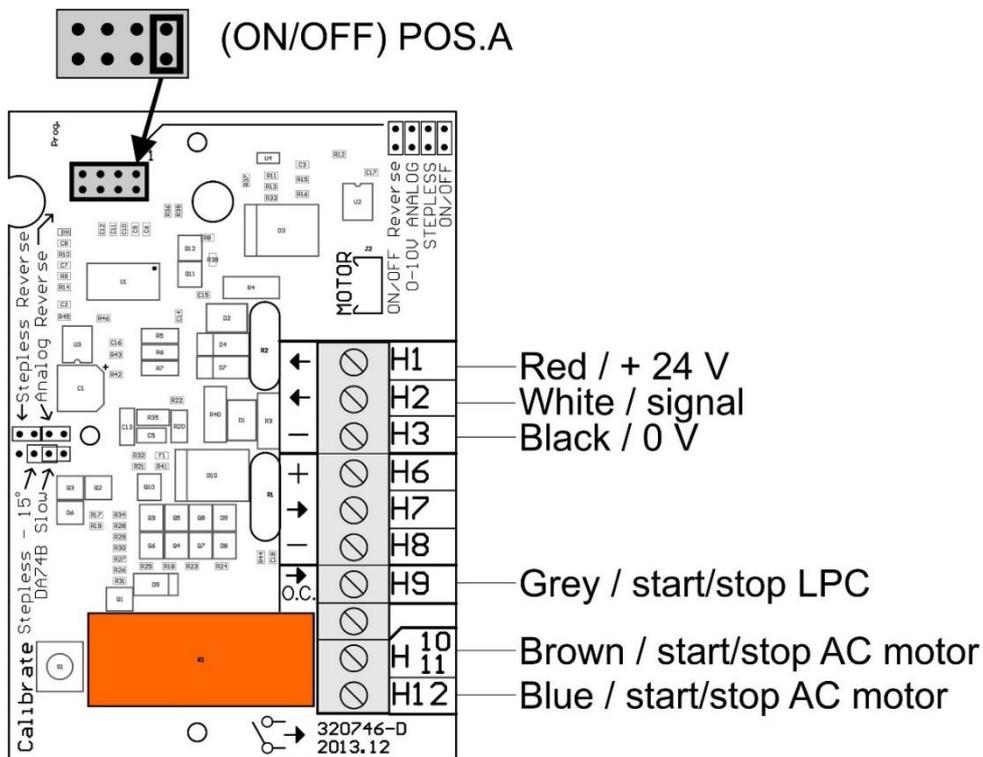


- 14) Check that jumper **(G)** is correctly aligned, see section 1.2.
- 15) Connect the 24 V power supply to the DA 1700.
- 16) Press the **CALIBRATE** button **(H)**.
- 17) The LED light **(I)** will stay on while calibration is in progress.
- 18) The shutter should open completely and then close completely.
- 19) The LED light **(I)** will flash when calibration is completed.



- 20) Screw the four screws into the cover **(B)**.
- 21) Check to ensure that the fault has been fixed.

## 1.2 Adjusting the jumper and connecting the shutter



The jumper must be on (ON/OFF) POS.A.

Power and signal from climate controller.

Open collector (transistor output) is used for DA 1700 with LPC motor control.

Relay output is used for DA 1700 without motor control.



