Guidelines for programming the rotation sensor set.

Pagaard's rotation sensor set must be programmed after installation, which is done in three phases:
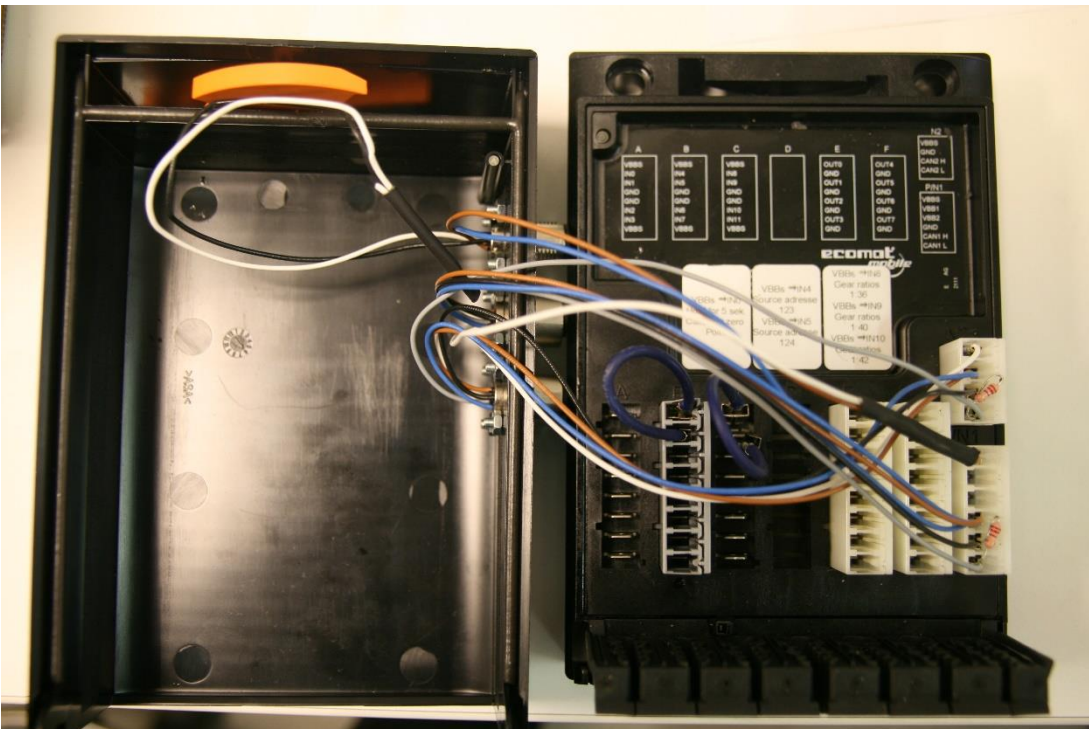
Phase 1: Check that the set is programmed to the source address 123.
Phase 2: Select the correct gear ratios: 1:36 for CTR10 / 1:40 for CTR6 / 1:40 for CTR3 / 1:42 for CTR2.
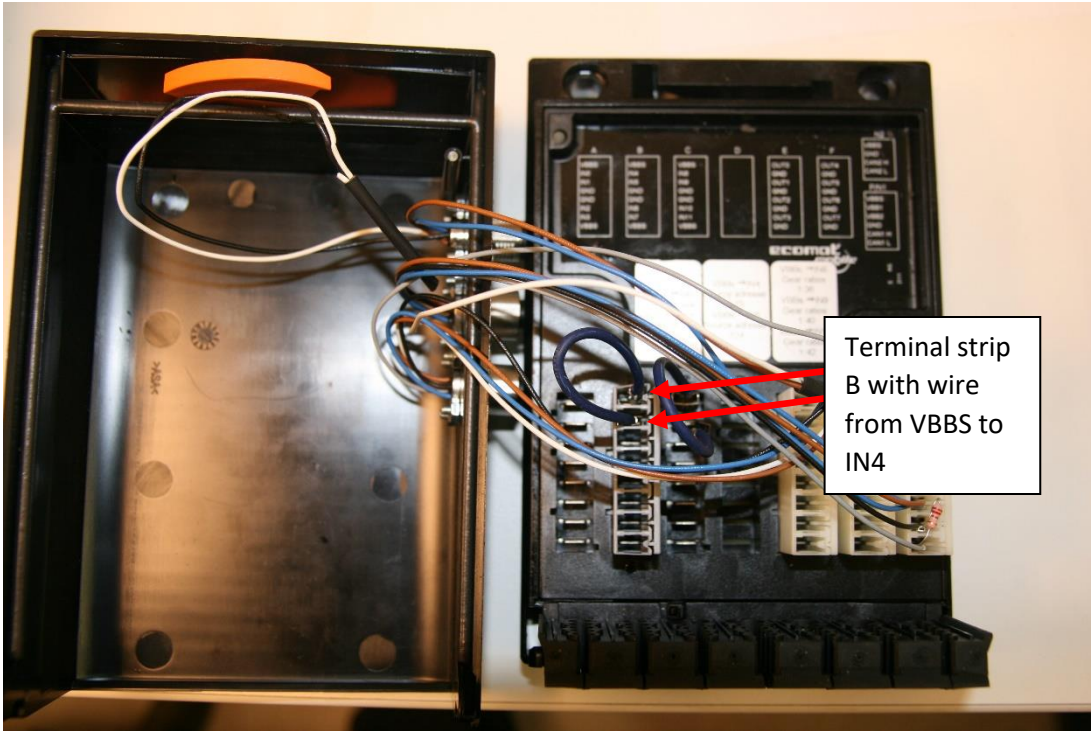Phase 3: Calibrate/reset the blade and calibrate the zero-point in the rotation sensor.
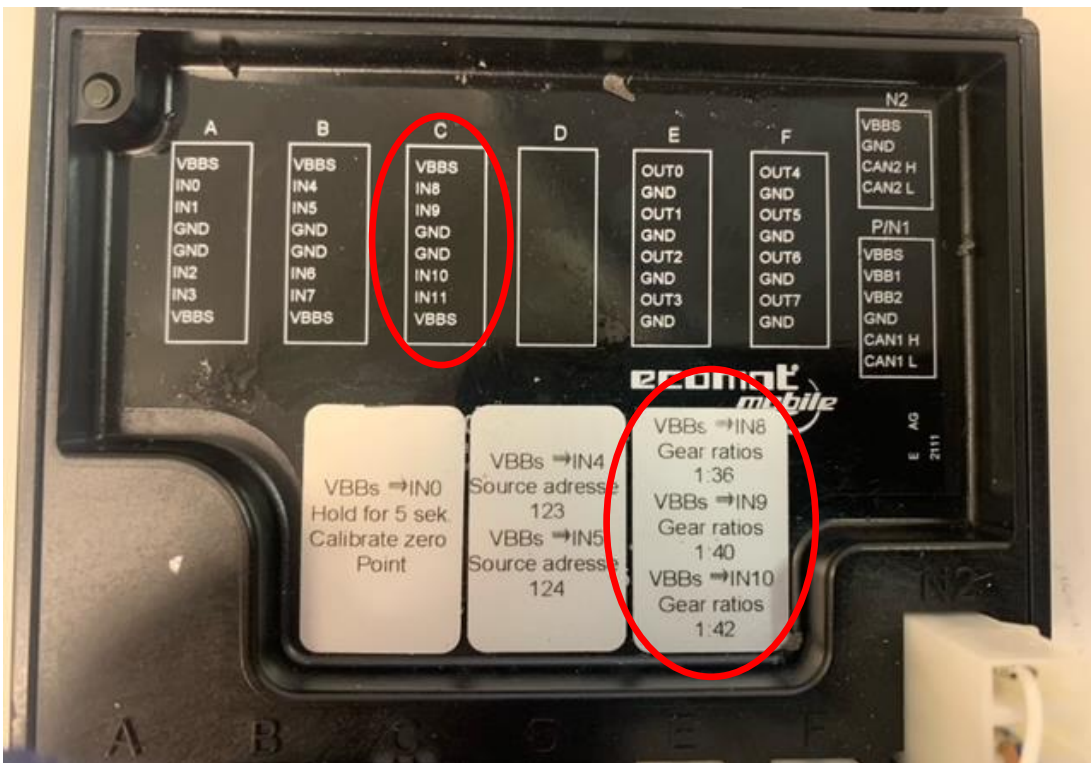

1. The box is opened:

2. Check that the rotation set is programmed to CompactTilt by the supplier to Source address 123 (terminal strip B with wire from VBBS to IN4)

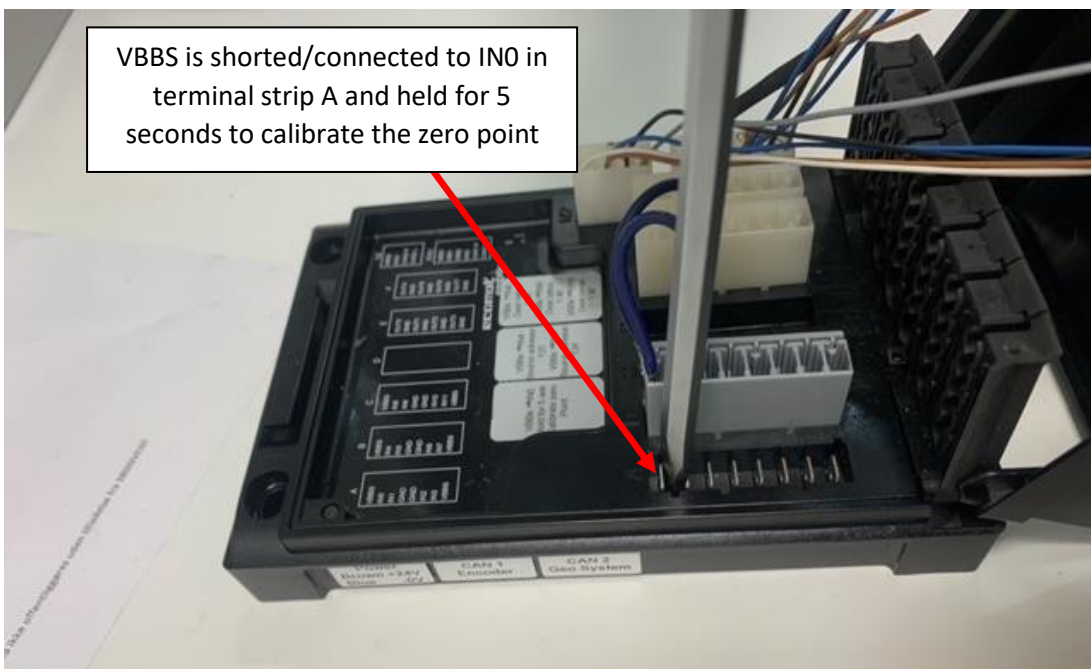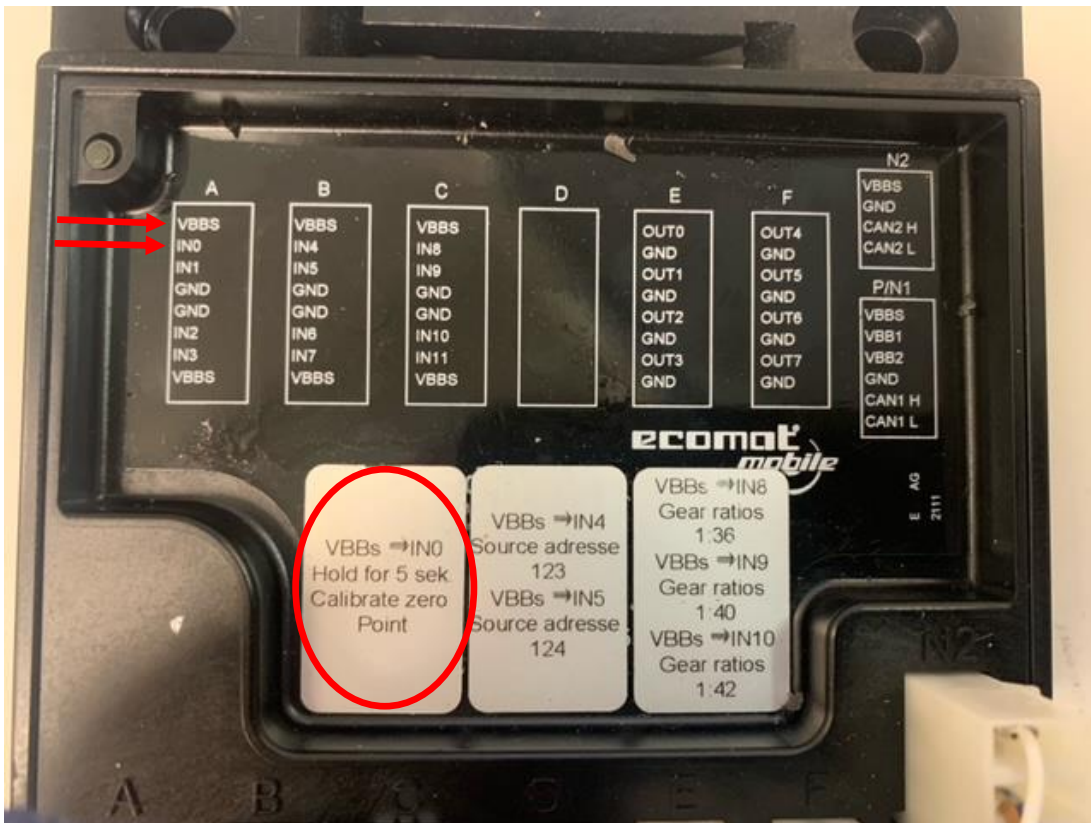Terminal strip B with wire from VBBS to IN4

3. The correct gear ratios are selected at terminal strip C, where the wire from VBBS is connected to IN10 for CTR2, IN9 for CTR3, and IN8 for CTR10.

4. Calibrate/reset: This is done by physically placing the blade in the zero position. Then, the pins on the VBBS in terminal strip A should be shorted with IN0 in terminal strip A for 5 seconds (can be shorted using a screwdriver, for example). Afterward, the power should be disconnected from the box

VBBS is shorted/connected to IN0 in terminal strip A and held for 5 seconds to calibrate the zero point
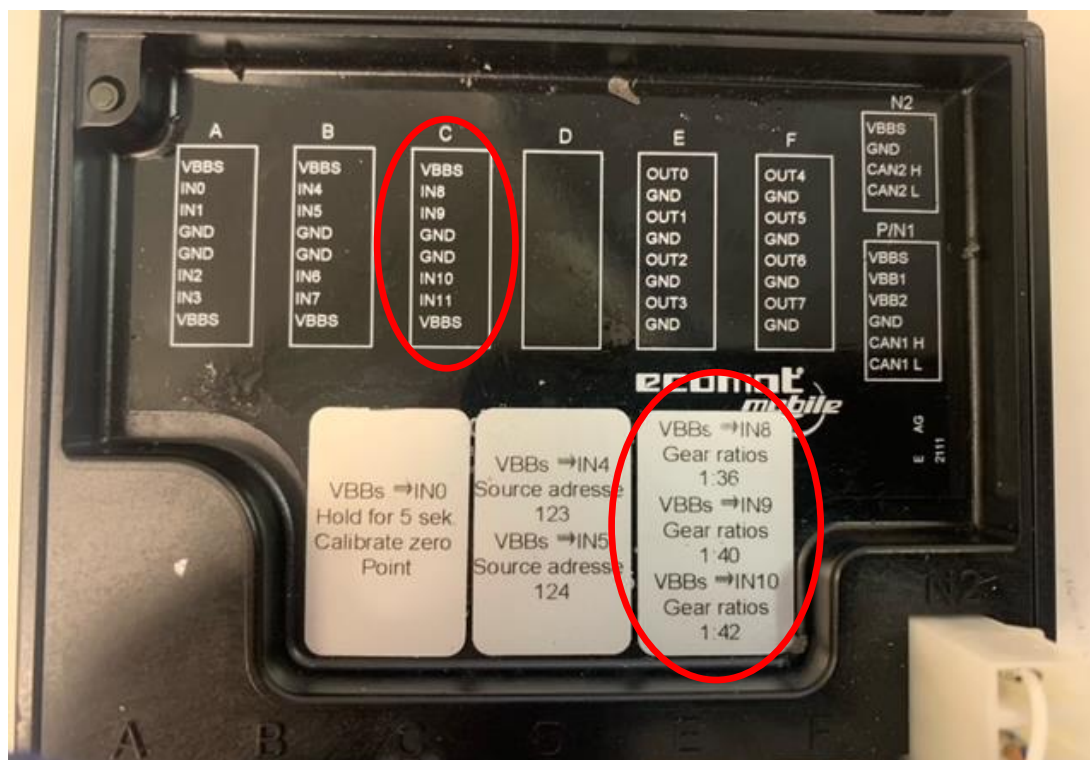
Udskiftning af en rotationscensor

5. When a rotation sensor is replaced on a rotation sensor set that has been in operation, this procedure must be followed to program the sensor with the correct gearing

Remember that the power must be turned off at the control box between settings. If there is constant power, the power cable must be disconnected at the control box

- First, the rotation sensor set must be programmed with an incorrect gearing, then calibrated/reset. Once the incorrect gearing is programmed into the rotation sensor, it can then be changed to the correct gearing, and calibration/reset should be performed again as per step 4Bemærk: både forkert og korrekt gear ratios vælges i klemmerække C

Correct gearing:

• The wire from VBBS is connected to IN10 for CTR2.
• The wire from VBBS is connected to IN9 for CTR3.
• The wire from VBBS is connected to IN8 for CTR10

Direction change on the rotation sensor signal

6. When installing the Pagaard rotation sensor set, it may occur that the rotation sensor's signal is opposite to the rotation direction

The direction of the rotation sensor is changed in terminal strip A as follows

- A wire (with a terminal lug) is prepared and connected from VBBS to IN1 on terminal strip A.
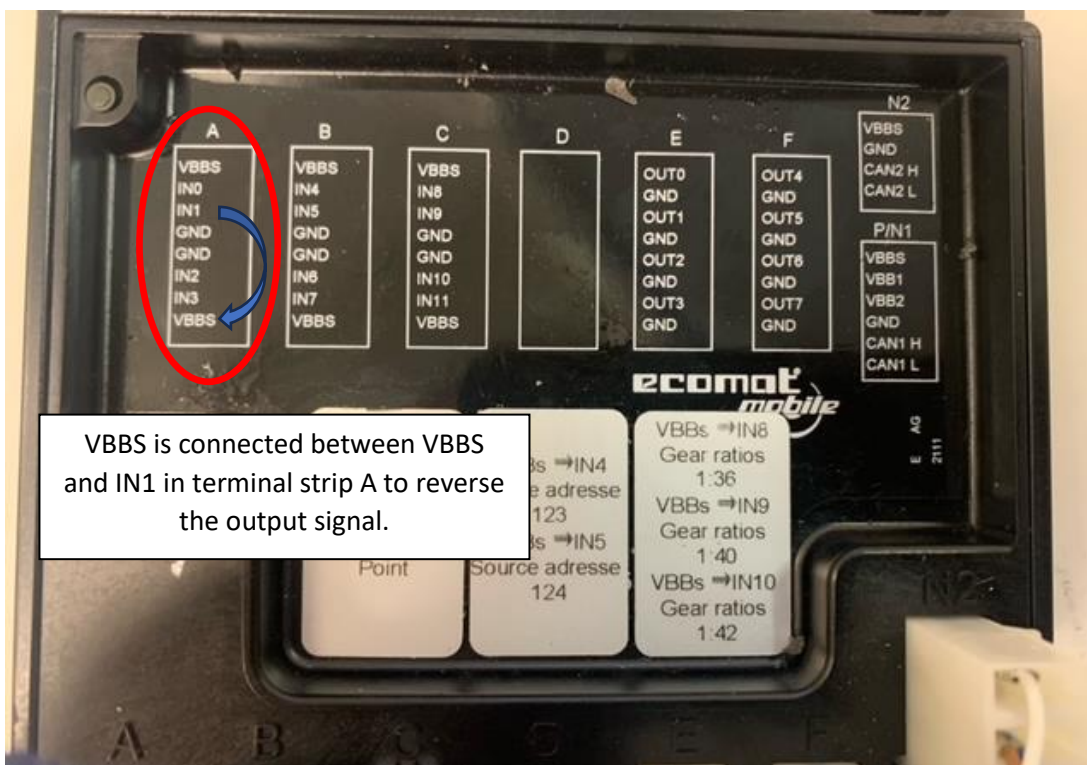
VBBS is connected between VBBS and IN1 in terminal strip A to reverse the output signal.