

Replacement of the CO sensor on Aduro Hybrid

Difficulty level: Intermediate

Time consumption: 20 minutes

Tools: Allen key 2 mm

NB: All changes and adjustments must be conducted when the stove is cold and disconnected from the power supply.

The CO sensor is located in the top of the pellet container to ensure that the stove is not being used without sufficient chimney draft and with non-dusted pellets.

If the CO sensor reads values which reach the yellow or red level, it may be due to the following reasons:

- Dirty/filled up brazier. Clean the brazier to remove any blockage for the air flow for the new pellets. [Find a guide here.](#)
- Insufficient chimney draft. [Improve the chimney draft](#) - optionally with an [Aduro DraftOptimizer](#).
- Filling up the pellet container with fresh pellets. New fresh pellets can cause extra dust and can also degas. These gases are not toxic but can affect the sensor. Let out the pellet gas by opening the door to the pellet container. Open a window in the same room as the stove, and let the pellets equalize for 10-30 min. We also recommend opening the bag of pellets 24 hours ahead to allow degassing from the pellets.

The hybrid stove has an alarm for high CO level in the pellet container. It is very important that you **DO NOT USE THE STOVE WITH WOOD OR PELLETS** until this alarm has been reset. The stove should be monitored to see if all functions are in order. It is especially important to ensure that both the internal and external augers run correctly. If you experience smoke in the pellet container, please keep the lid closed until the stove has cooled down and the smoke has disappeared. This may take several hours.

How to replace the CO sensor

1. The sensor can be accessed from the front through the bottom door or through the service panel on the right side of the stove:

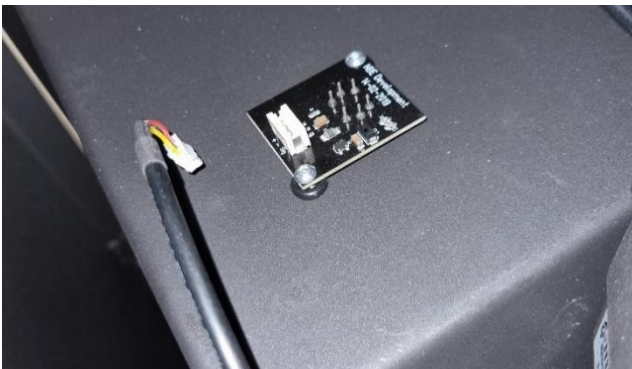
Access from the front:



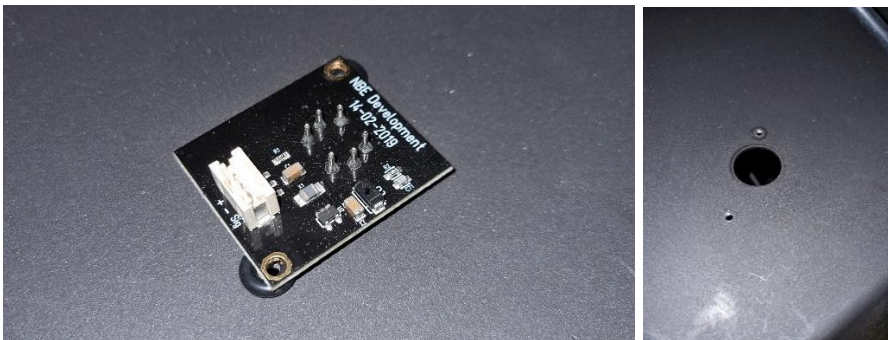
Access from the side:



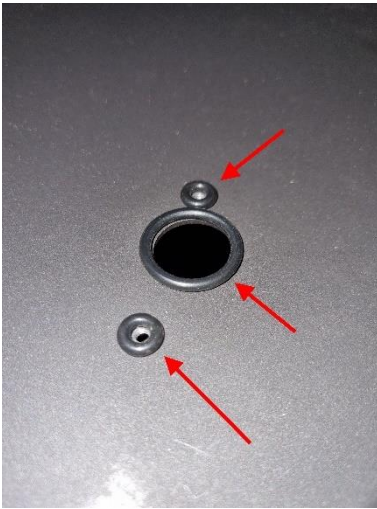
2. Dismount the cable from the old sensor by tugging on the connector, not the cable:



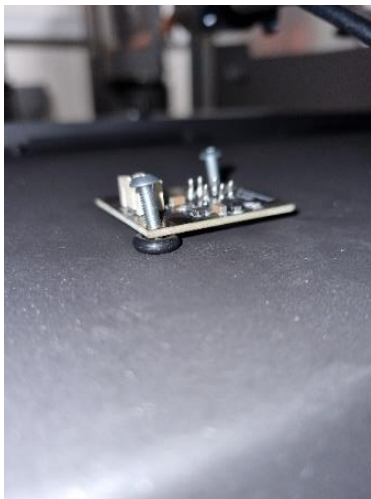
3. Remove the old sensor by unscrewing the two screws holding it in place, then lift it up:



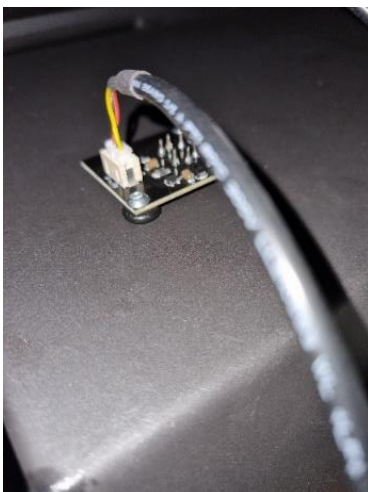
4. Make sure all three O-Rings are still seated over the three holes:



5. Mount the new sensor in the same way as the old one. Please make sure that the holes in the sensor and the sensor itself line up with the holes in the plate. Then screw the screws in place:



6. Gently insert the cable into the new sensor:



If you are using the Aduro Hybrid app, please make sure that the CO level normalises to the standard level inside the green zone (see picture below). If you are not using the app, please make sure that the stove is not in alarm mode. It can take up to 20 minutes before the CO level is normalised.

