

Replacement of the smoke exhaust fan on Aduro P4

Difficulty level: Difficult

Time consumption: 30 minutes

Tools: TORX 25 screwdriver, Allen key (ratchet key is recommended)

Components: [Smoke exhaust fan](#), high temperature resistant silicone

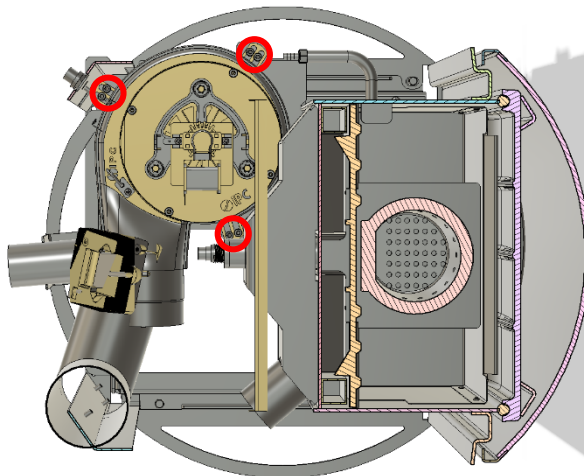
NB: All changes and adjustments must be conducted when the stove is cold and disconnected from the power supply.

Replacing the smoke exhaust fan

1. To access the smoke exhaust fan, remove the side panels and the lower back panel of the stove. It is also recommended to loosen the support frame beam on the left side to allow better access to the screws:



2. Unscrew the 6 screws in the three brackets that attach the smoke exhaust fan to the stove.



3. Dismount the temperature sensor from the smoke exhaust fan – sometimes the silicone might need to be loosened with a knife:



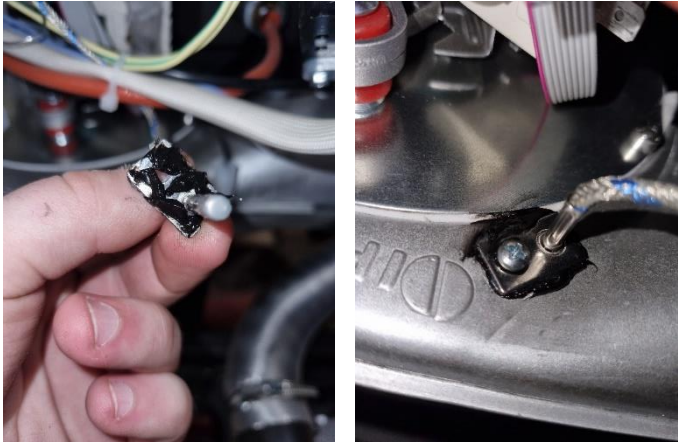
4. Unplug the 4 electrical connectors from the smoke exhaust fan. Remove the fan from the stove, by pulling and twisting the fan, separating it from the internal flue:



5. Insert the new smoke exhaust fan and mount it with the 6 screws.
6. Remount the four electrical connectors to the new smoke exhaust fan:



7. Before remounting the temperature sensor, be sure to apply a new layer of high temperature resistant silicone to secure and seal the sensor:



8. Before remounting the panels, we recommend performing an ignition to test that the new smoke exhaust fan is working. If working, remount the side panels and back panel.

Troubleshooting

The smoke exhaust fan is not spinning/ Alarm 4 “Fan Failure”:

- Check that all necessary cables are connected between the smoke exhaust fan and the control board and that they are not damaged.
- Check that the encoder is properly connected to the motor, and that the pins for the cable are not damaged.
- Change the encoder on the motor (P1): [Encoder for exhaust fan](#)
- Connect a new fan.
- Check the pins and connectors on the control board and check the board for burn marks.