

How to replace the internal auger and gear motor on the Aduro P5 series

Difficulty level: Difficult

Time consumption: 30 minutes

Tools: TORX 20 screwdriver, 3mm Allen key

Components: [Internal auger \(aduroshop.com\)](https://aduroshop.com), [Gear motor for internal auger \(aduroshop.com\)](https://aduroshop.com)

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

The internal auger is placed inside the pellet tube where it is connected to the internal gear motor. You can access these parts from the back of the stove when they need to be replaced. Follow these steps:

1. Unscrew the 4 screws on the stove's backplate with a TORX 20 screwdriver and remove the backplate. Then locate the gear motor:



2. Disconnect the motor cables from the white terminal: Press and hold the locking buttons on the terminal, then gently pull the cables out:



3. Unscrew the four screws holding the motor. Be sure to notice which screw belong in which hole, and how many washers are on each screw, since they need to be placed at the exact same spot again after the replacement:



4. Before removing the motor and auger, place a bag underneath to catch the pellets that will fall out of the auger. Then gently pull out the motor and auger – it's easiest if you twist it a little from side to side while pulling.



5. Then separate the auger from the motor by unscrewing the pinion screw with a 3 mm Allen key:



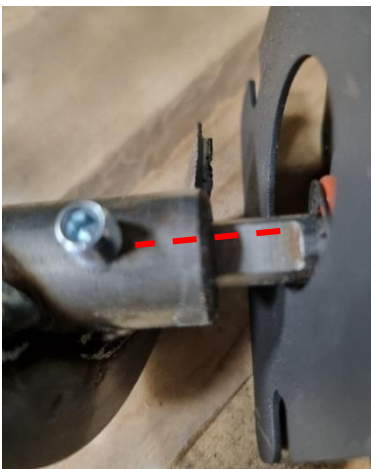
6. Transfer the cover bracket from the old motor onto the new motor. The bracket can only fit one way, and the holes must be visible through the screw slits like this:



7. Before connecting the auger and motor to one another, make sure there is an O-ring and a star lockring on the motor axle:



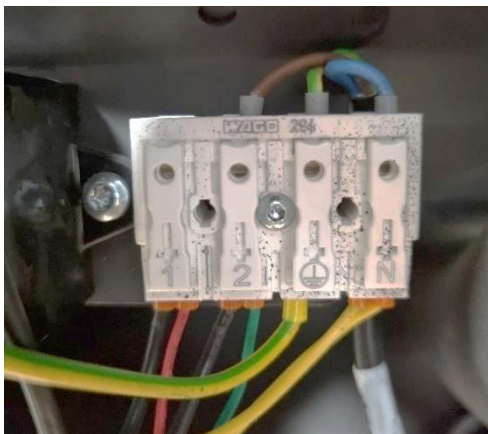
8. Place the pinion screw so it aligns with the flat surface of the motor axle and tighten the pinion screw with the Allen key:



9. Reinsert the auger into the pellet tube and fasten the motor to the flange by screwing the four screws back into place (see point 3).



10. Reconnect the motor cables to the terminal as shown below:



11. Test the motor by starting an initial load on the remote or by performing an ignition via the app or on the stove's control panel. If the motor/auger turns clockwise the installation is a success – remove the brazier in the combustion chamber so you can see the auger and how it rotates.

12. Remount the backplate with the four screws to complete the installation.

Troubleshooting

If the motor/auger won't start turning:

- Check that the cables from the motor to the terminal are connected correctly.
- Check that the cables from the terminal to the control board are connected and intact.
- Check that the power is turned on, and that the control board is getting power, indicated by the green LED on the bottom left corner on the control board.
- Check that the auger is not blocked by pulling it out and inspecting it and the pellet tube.