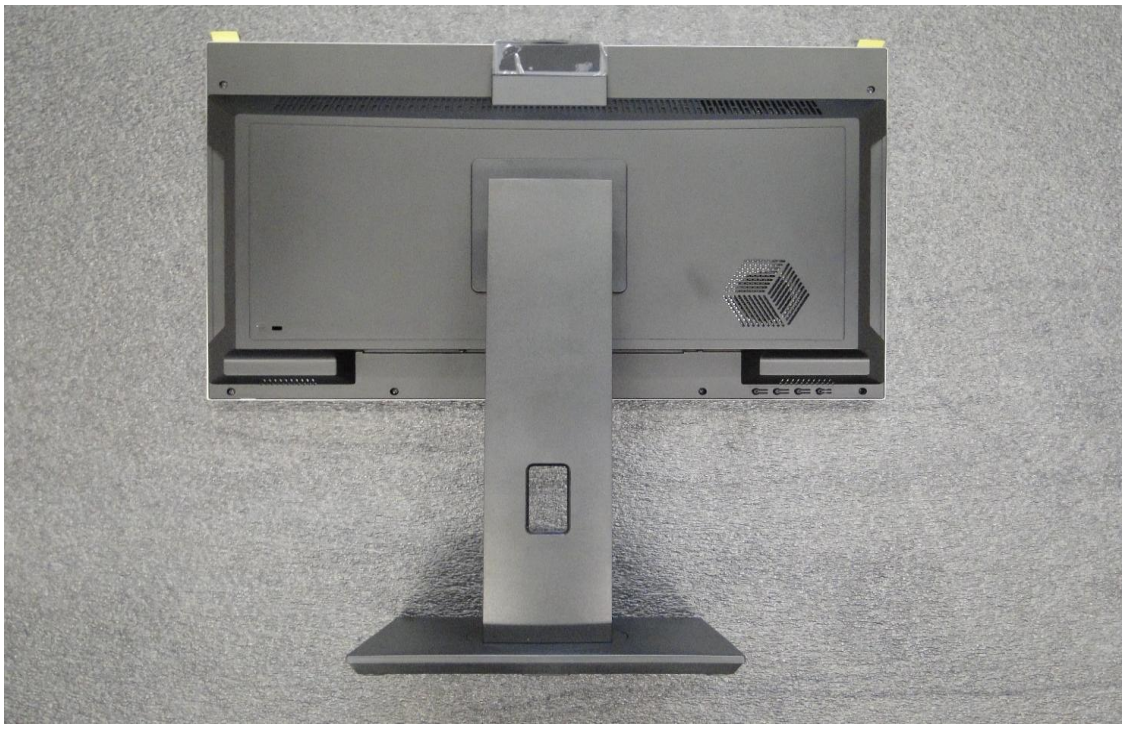
Overview photo of the AIO computer – front view

Overview photo of the AIO computer – rear view



The manufacturer allows the User to replace a number of components of the computer by themselves:
- RAM operating memory,
- SSD and HDD mass storage,
- ODD (Optical Disk Drive),
- Power supply,
- Motherboard and CPU, provided that the replacement of these components can only take place at a service center to be carried out by a qualified Employee.

If the User decides to replace the computer components by themselves, they can carry out such an operation under the remote supervision of the manufacturer's Central Service. For this purpose, the User shall contact the NTT System S.A. Central Service. After consulting with the User, the Central Service will send the designated component as well as instructions on how to replace the component in question. Any damage resulting from improperly performed replacement of the component is not covered by the manufacturer's warranty.

Tools needed for performing repairs: PH1 and PZ1 screwdrivers which are widely available in good hardware stores.

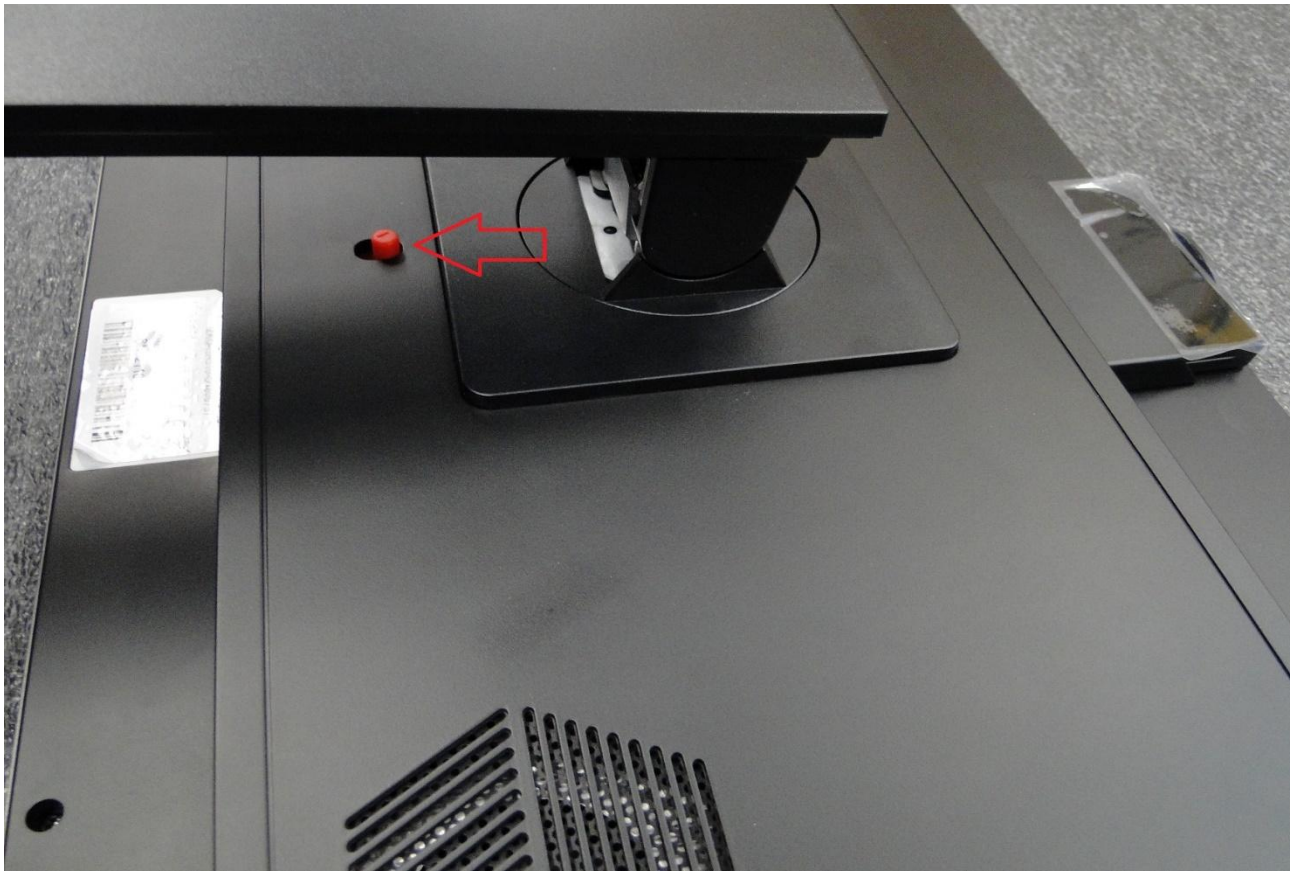
Caution

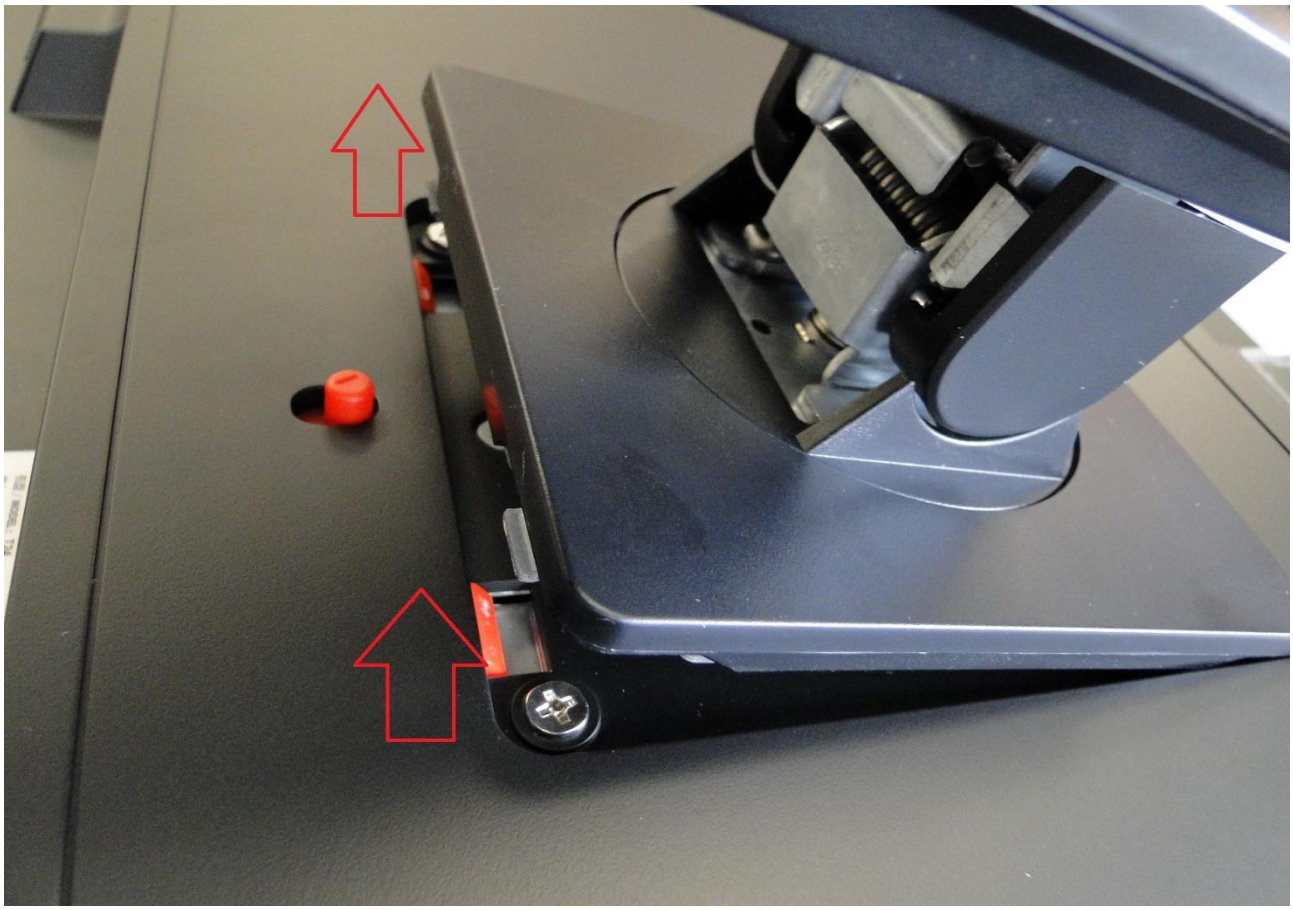
Before attempting to perform any maintenance, be sure to disconnect the unit from the power supply.

Do not boot the computer with its case covers removed. When booting the computer with the case covers removed, your hands and fingers may be exposed to moving parts such as cooling fan blades and you may suffer an electric shock.

Due to the delicate nature of the computer's internal components, it is required that all operations be carried out on a workstation that meets the ESD protection requirements.

In order to remove the support stand, slide the locking bolt in the direction indicated by the arrow, while simultaneously lifting the stand up.

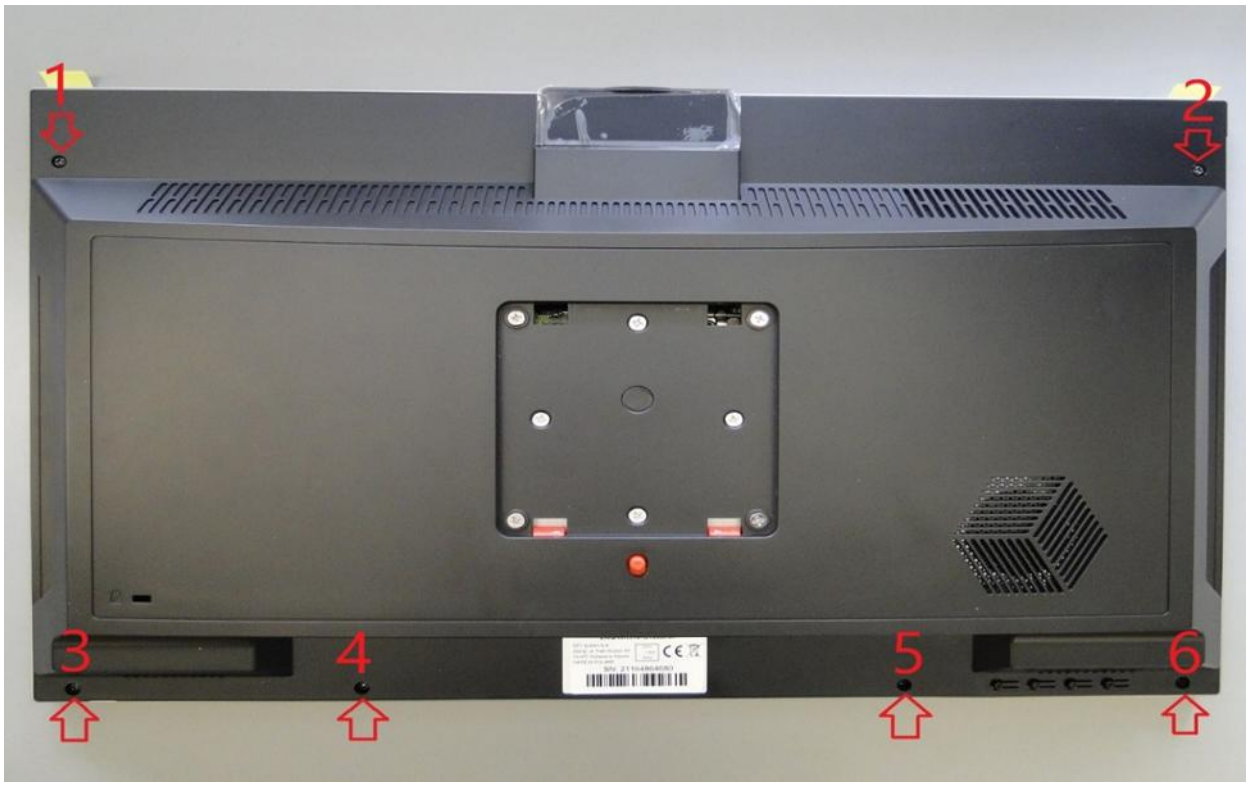




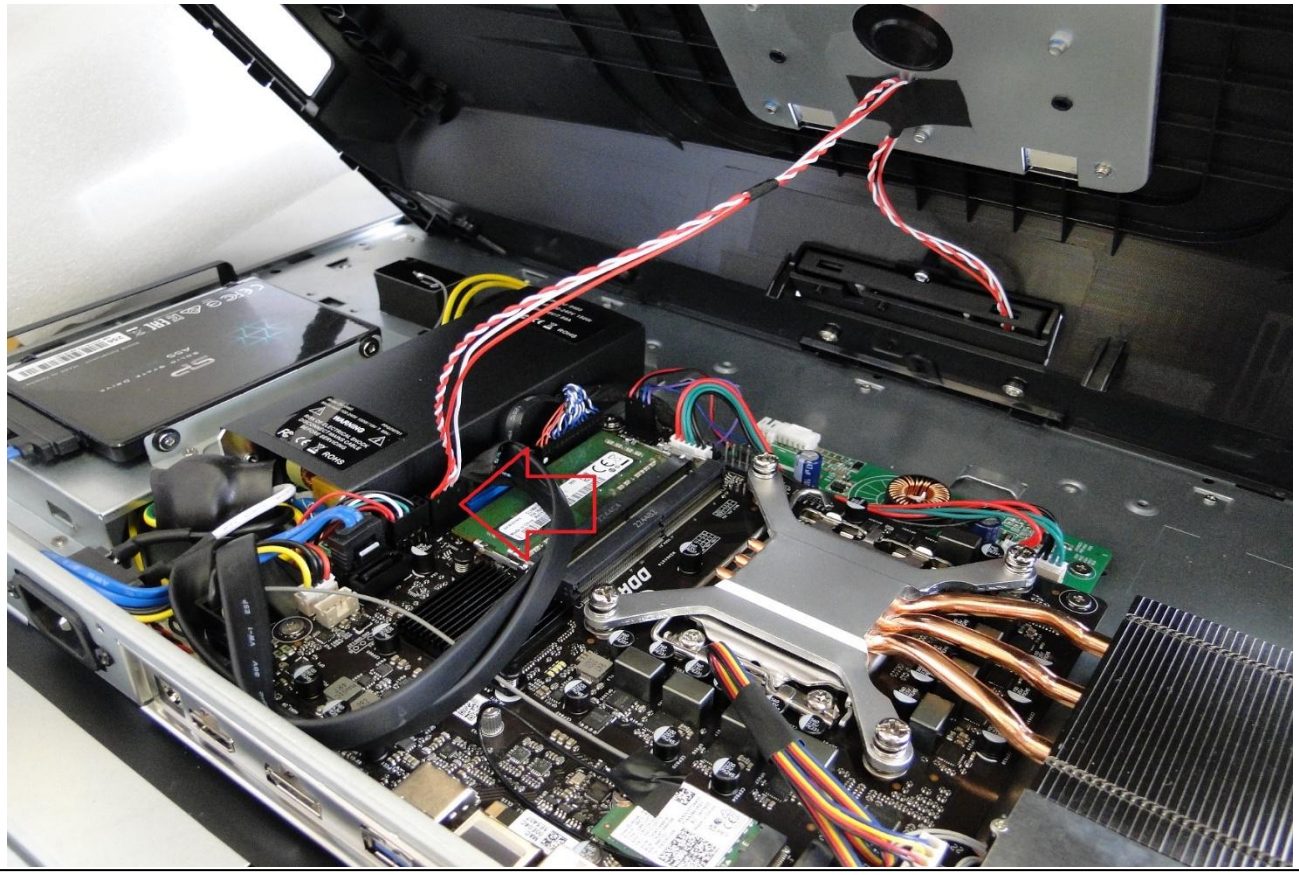
DISASSEMBLY OF THE BACK COVER

Before proceeding with the disassembly, verify the efficiency of ESD protection at the workstation!

Using a Philips screwdriver, detach the 8 screws securing the cover (marked with arrows).

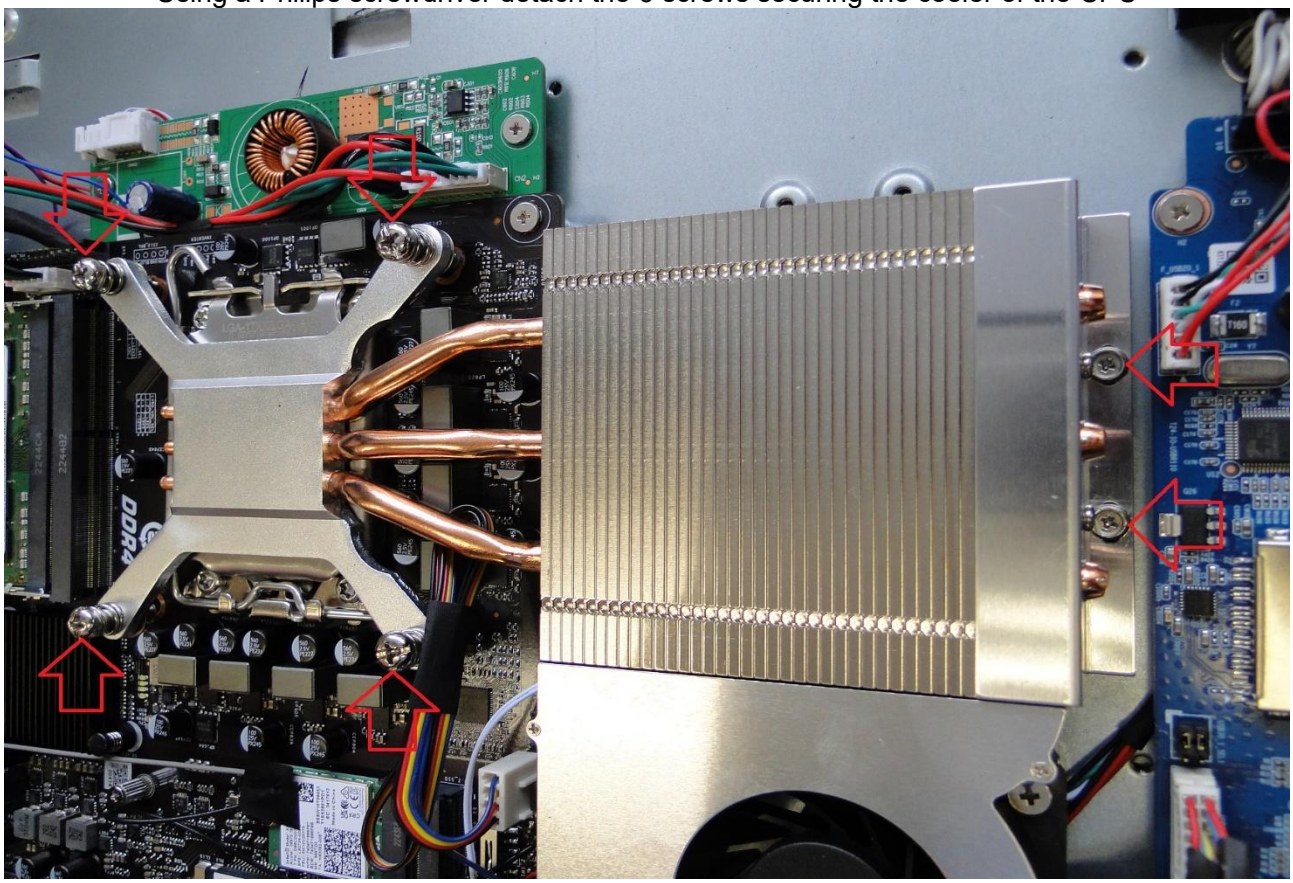


Gently lift up the lower part of the cover and detach the camera cable harness.

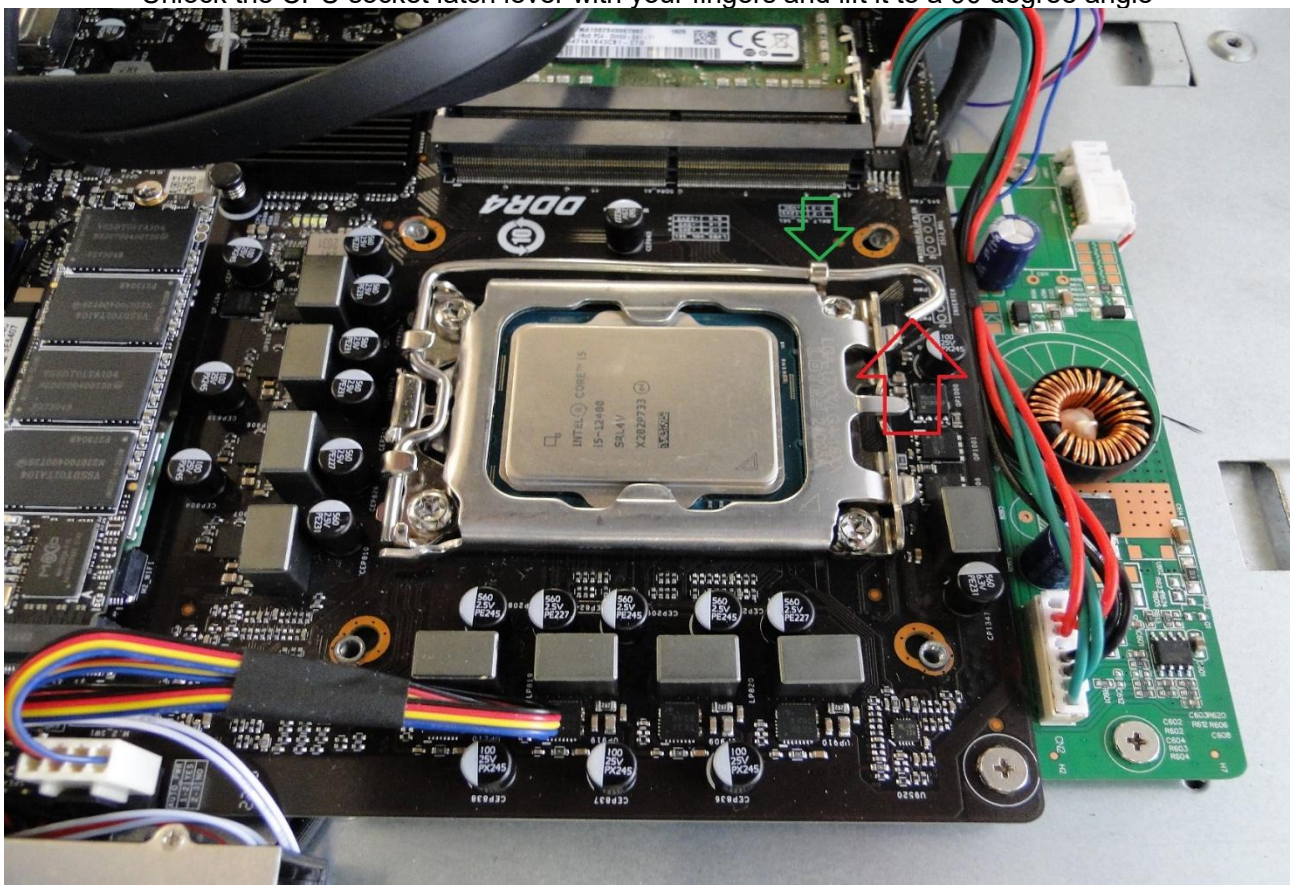


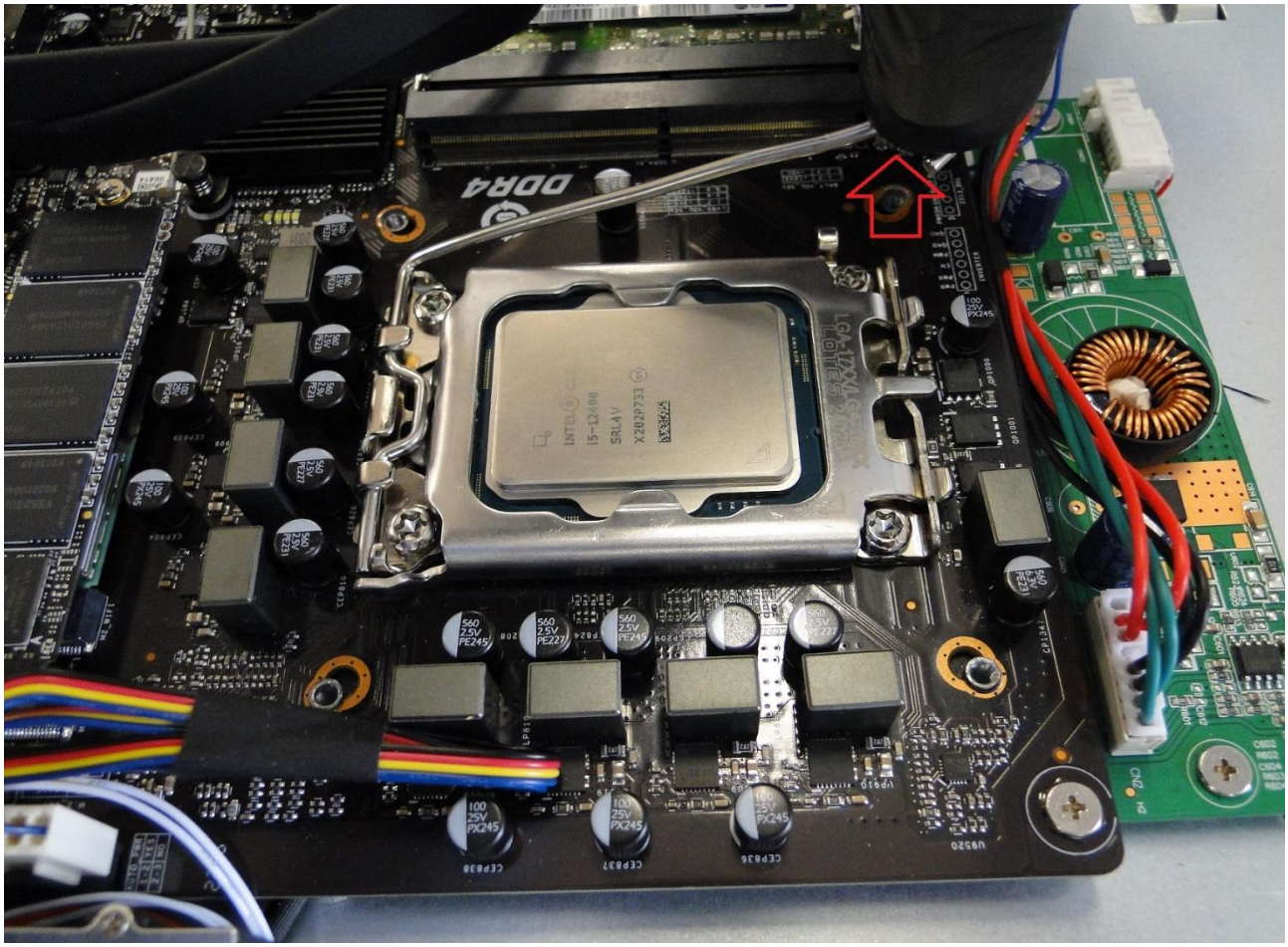
INSTRUCTIONS FOR CPU REPLACEMENT

Using a Philips screwdriver detach the 6 screws securing the cooler of the CPU

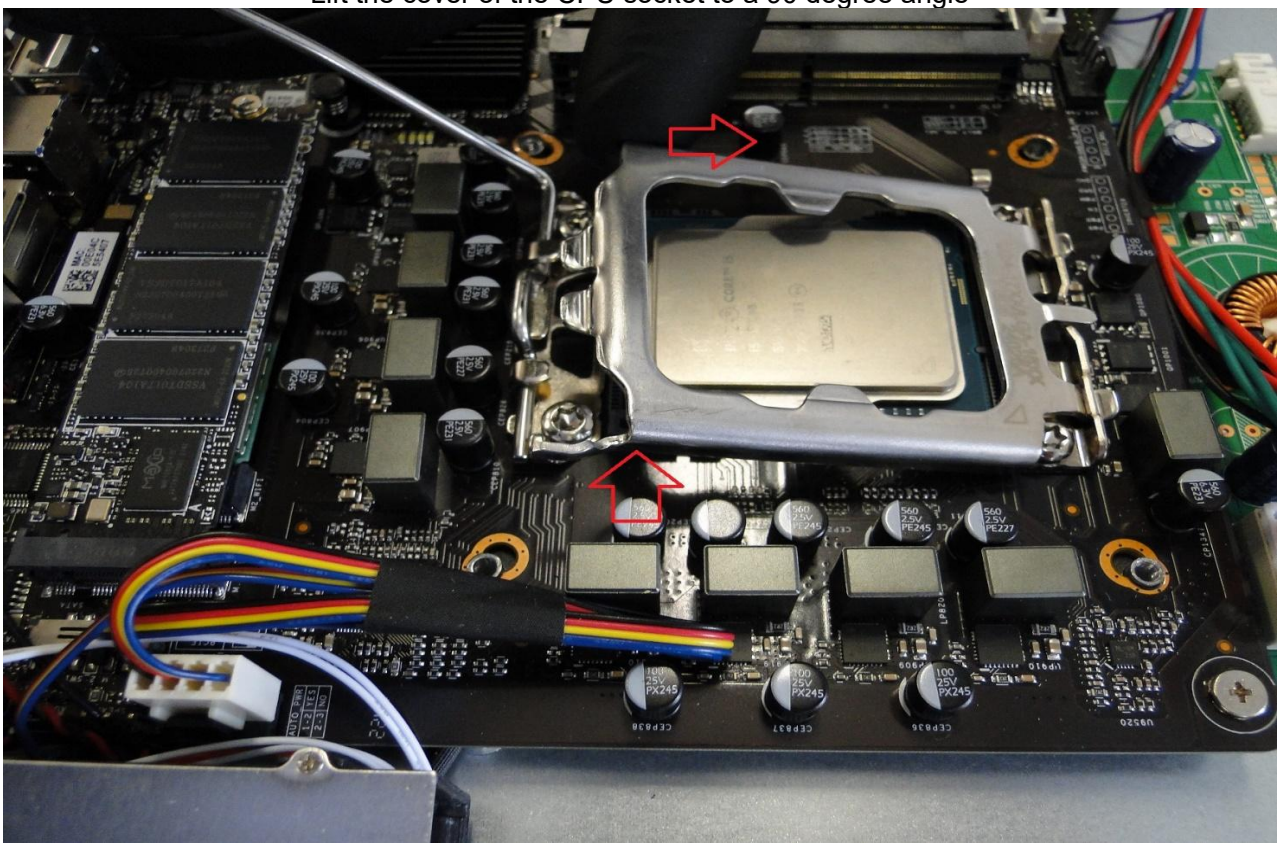


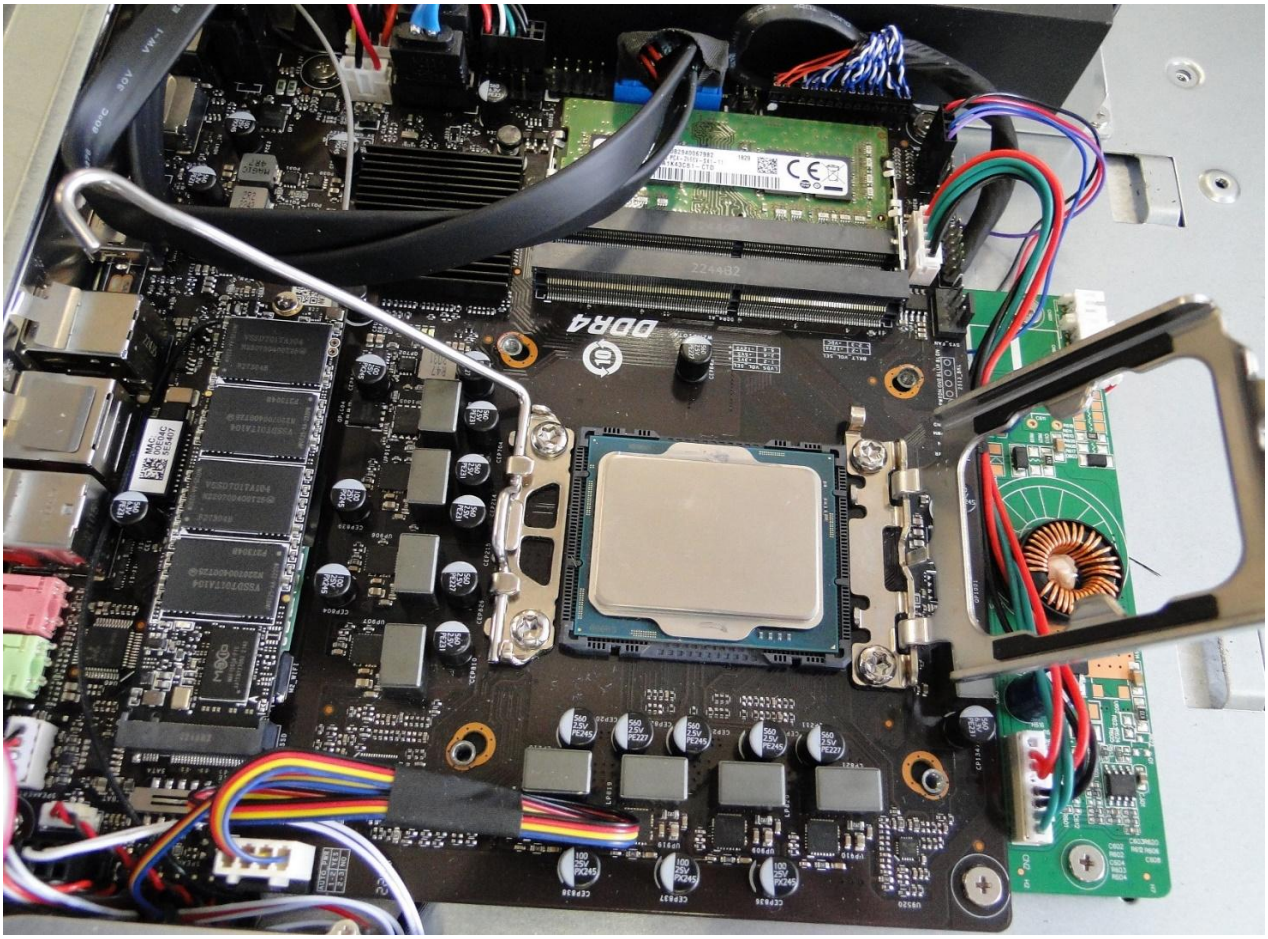
Unlock the CPU socket latch lever with your fingers and lift it to a 90 degree angle



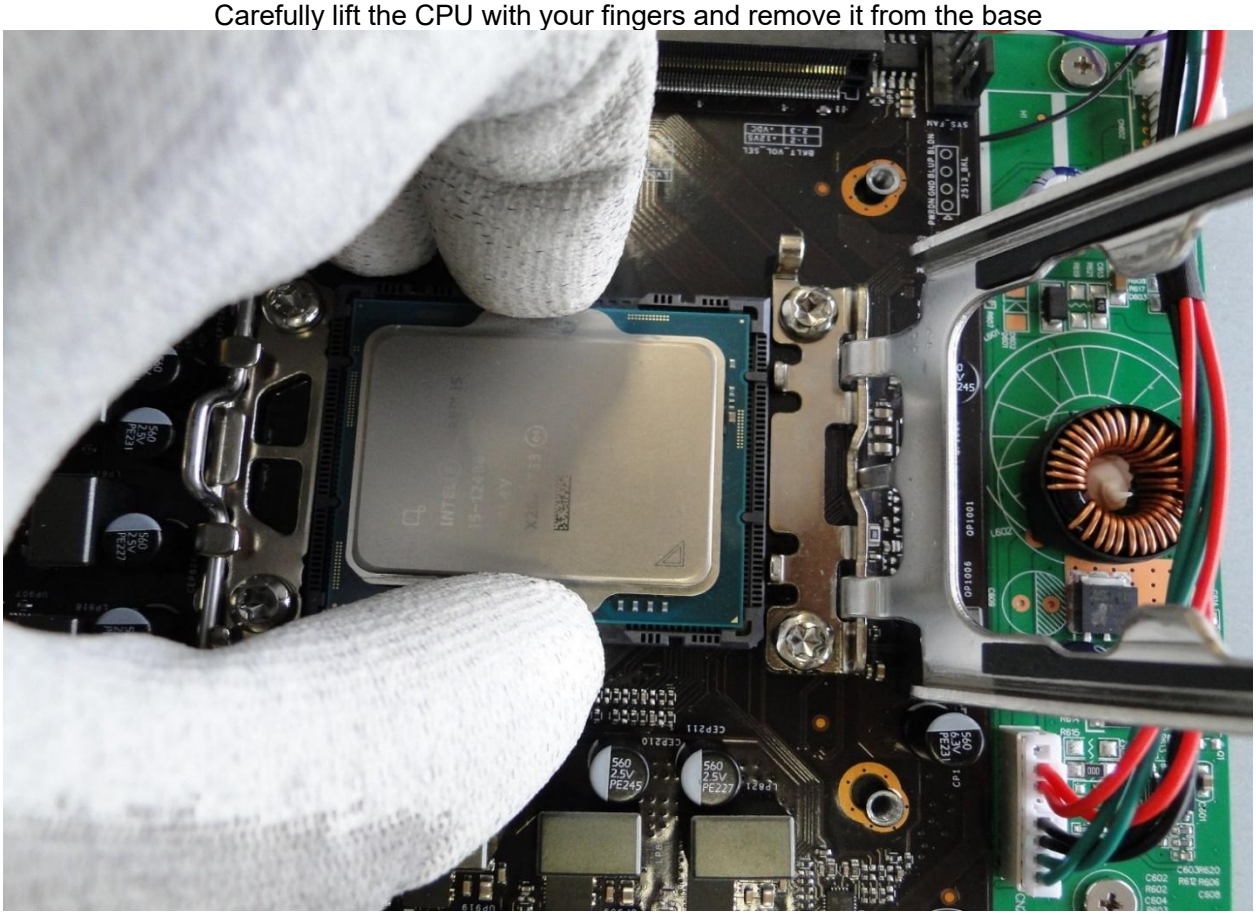


Lift the cover of the CPU socket to a 90 degree angle





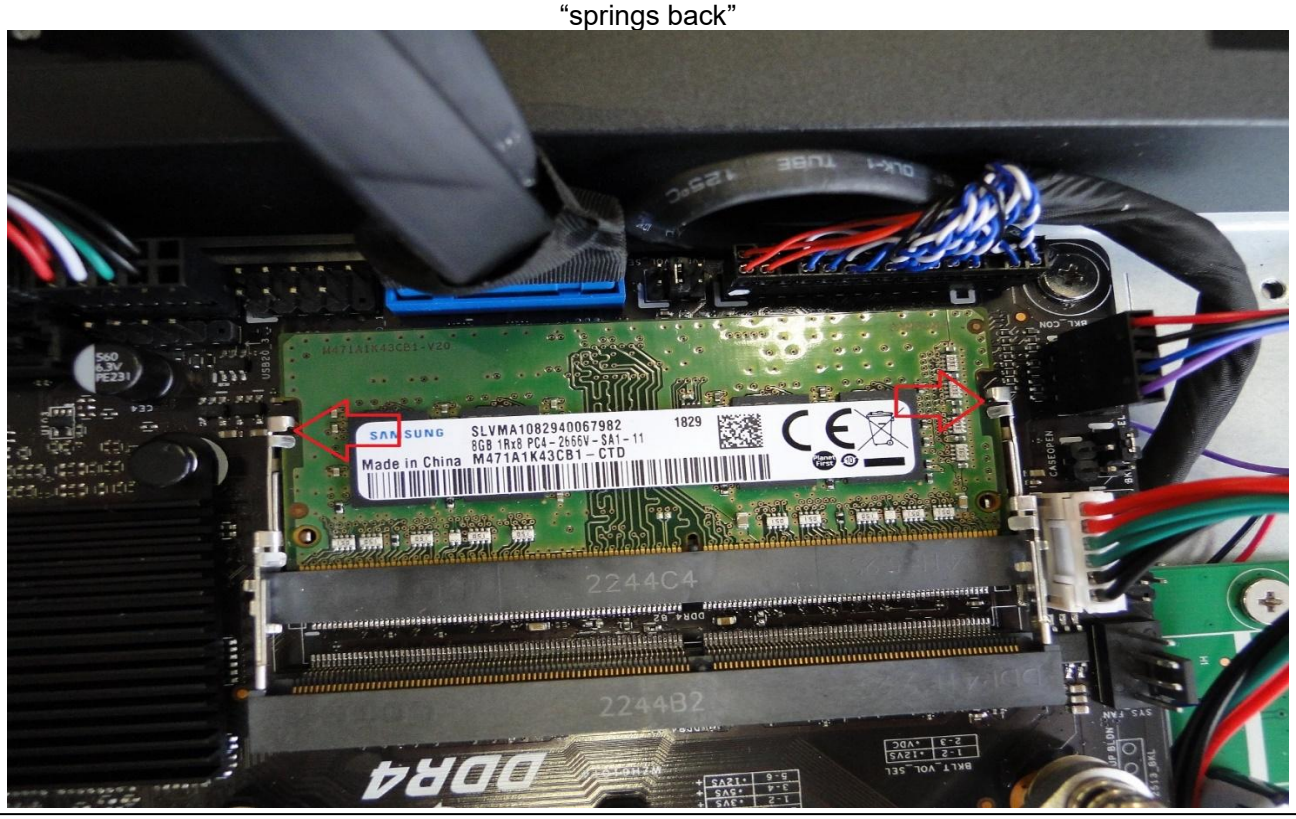
Carefully lift the CPU with your fingers and remove it from the base



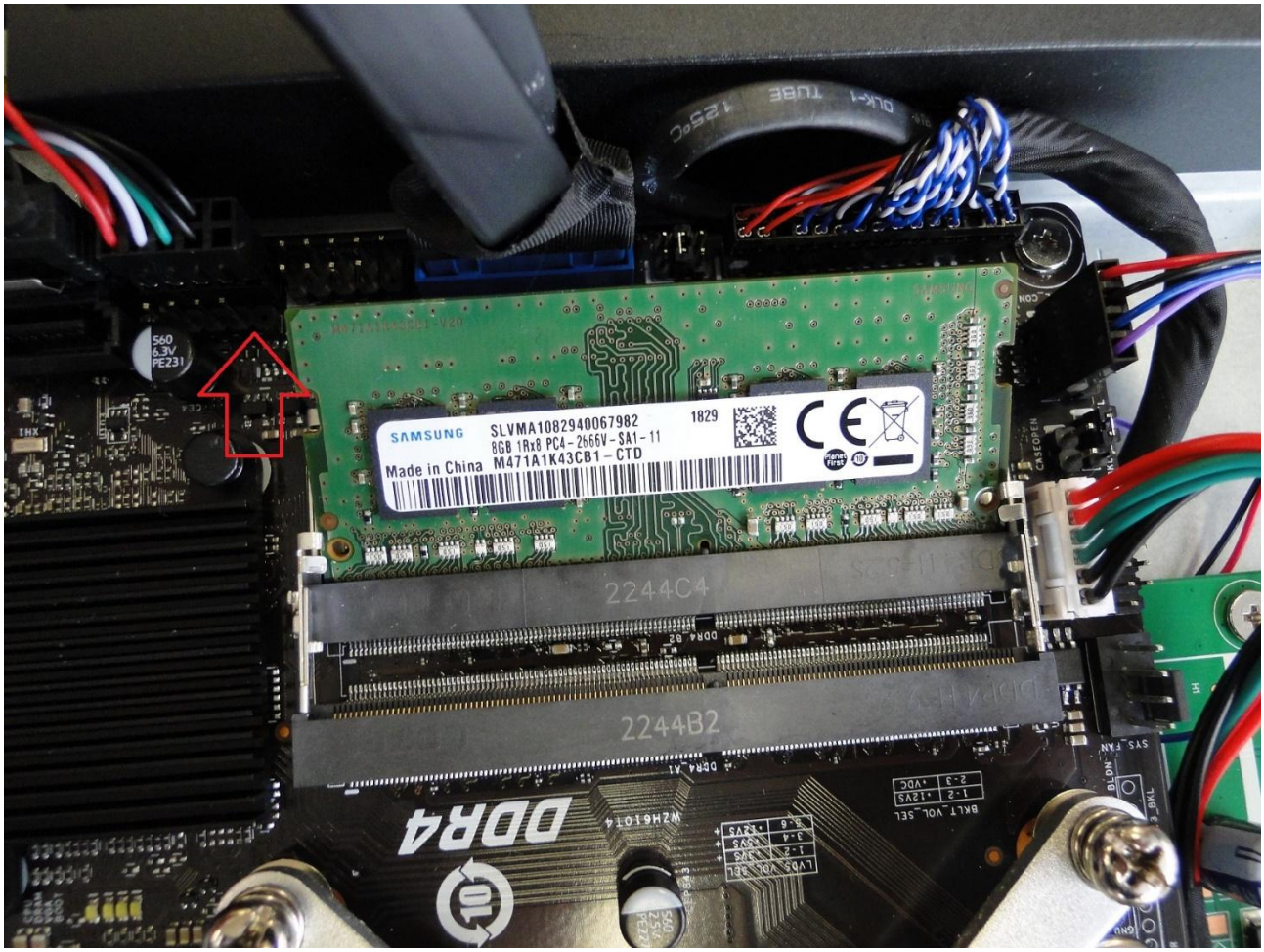
Perform the assembly in a reverse order, paying attention to the alignment of the symmetrical points and the alignment of the CPU and the base

INSTRUCTIONS FOR RAM MEMORY REPLACEMENT

Carefully unlock the safety latches on the ends of the memory module slot with your fingers until the module “springs back”

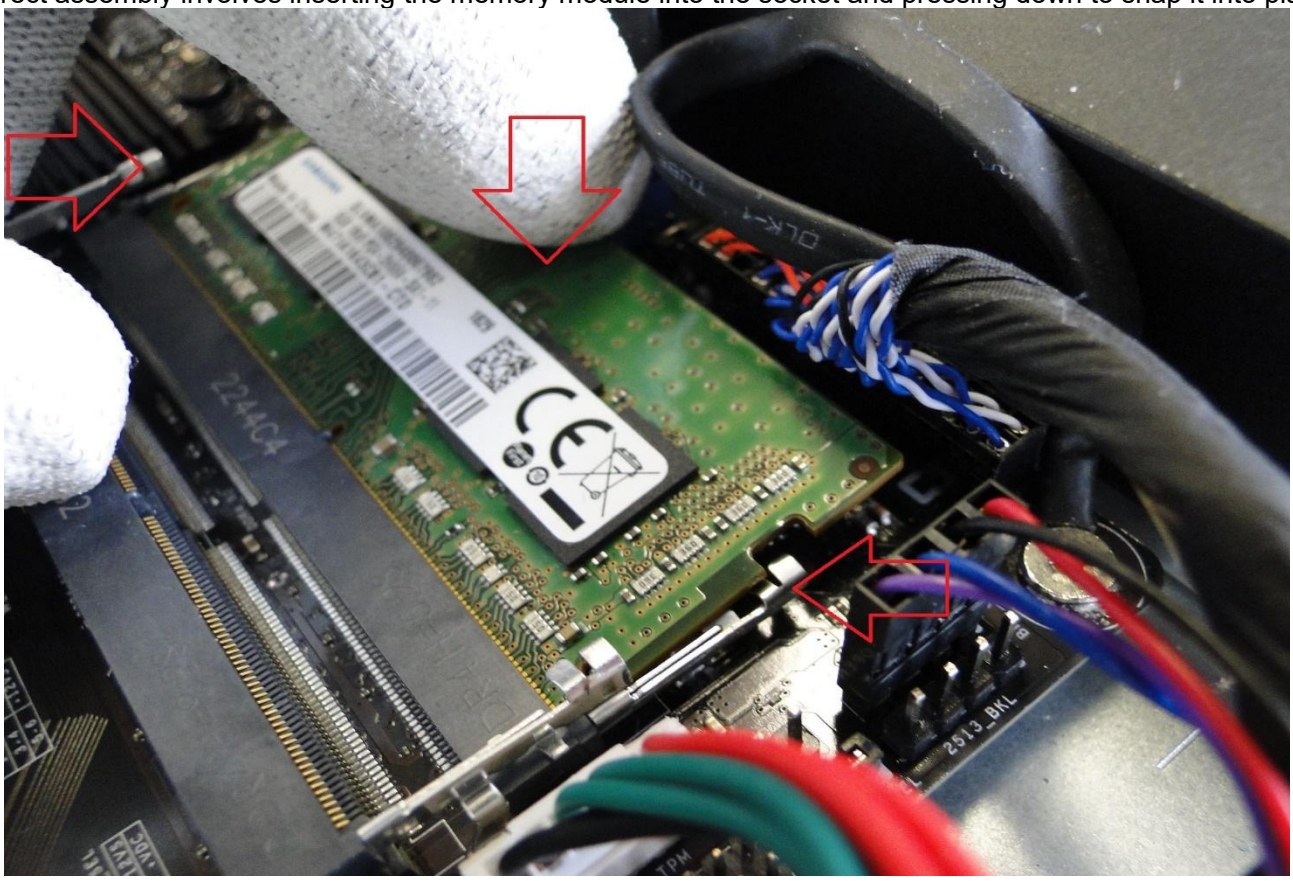


Gently slide the module out in the direction indicated by the arrow

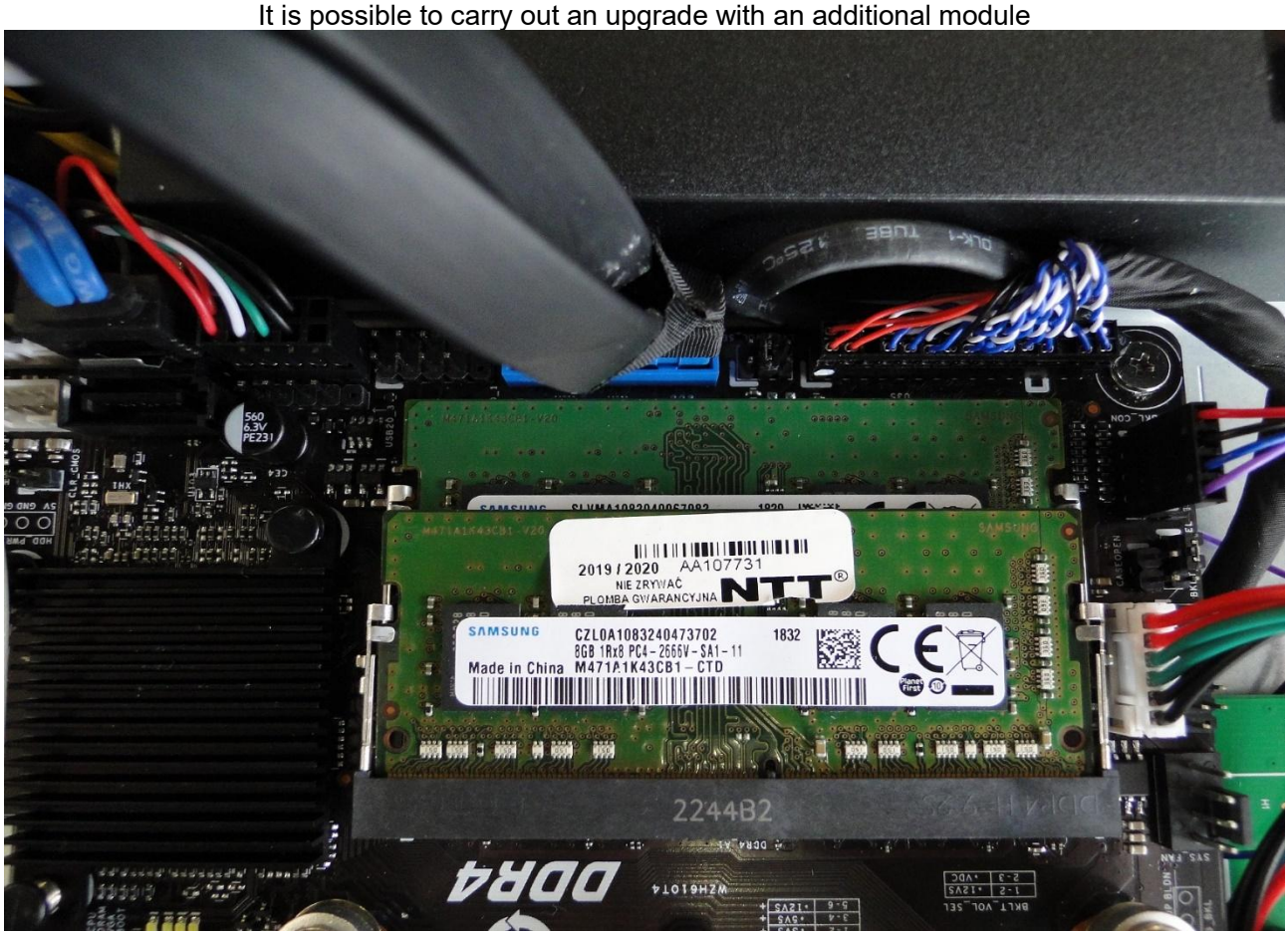


Perform the assembly in a reverse order, paying attention to the alignment of symmetrical points

Correct assembly involves inserting the memory module into the socket and pressing down to snap it into place.

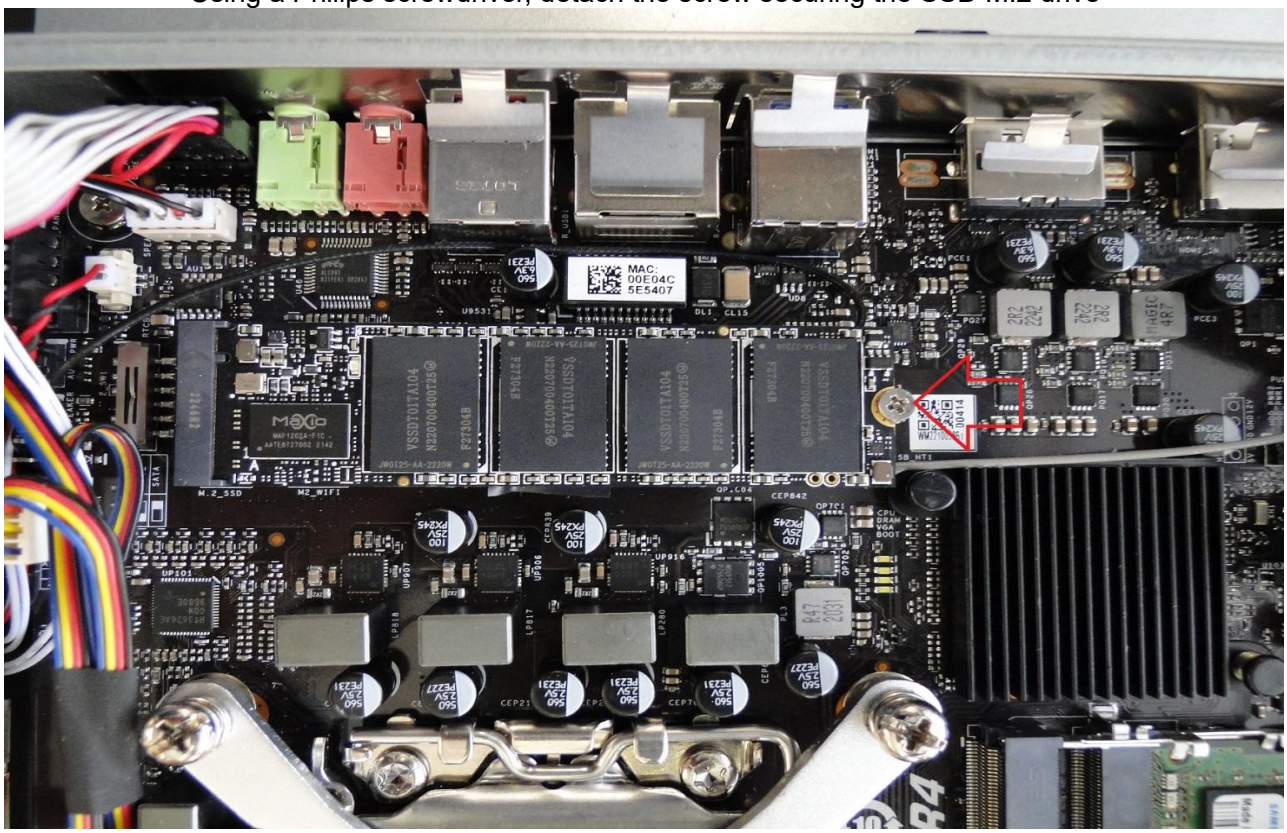


It is possible to carry out an upgrade with an additional module

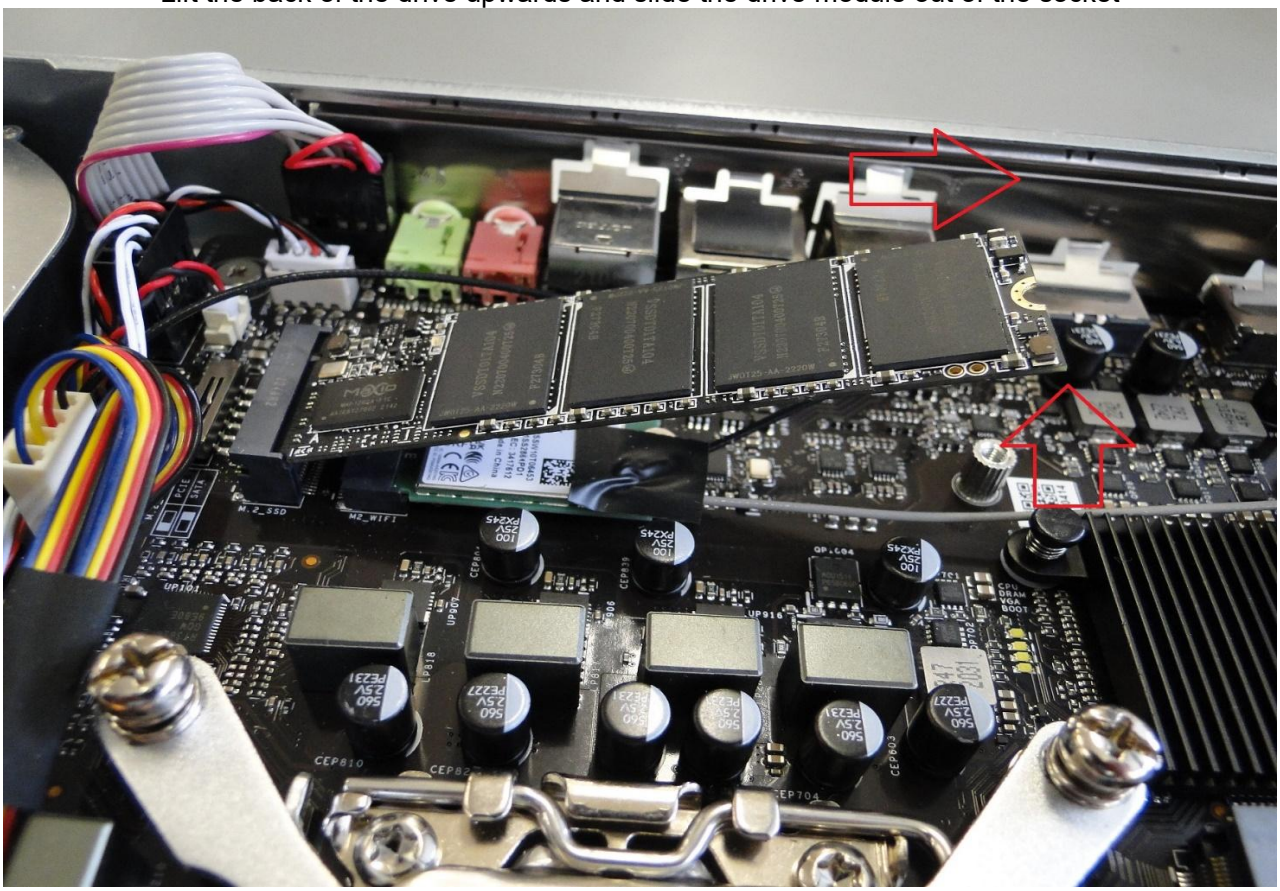


INSTRUCTIONS FOR SSD M.2 DRIVE REPLACEMENT

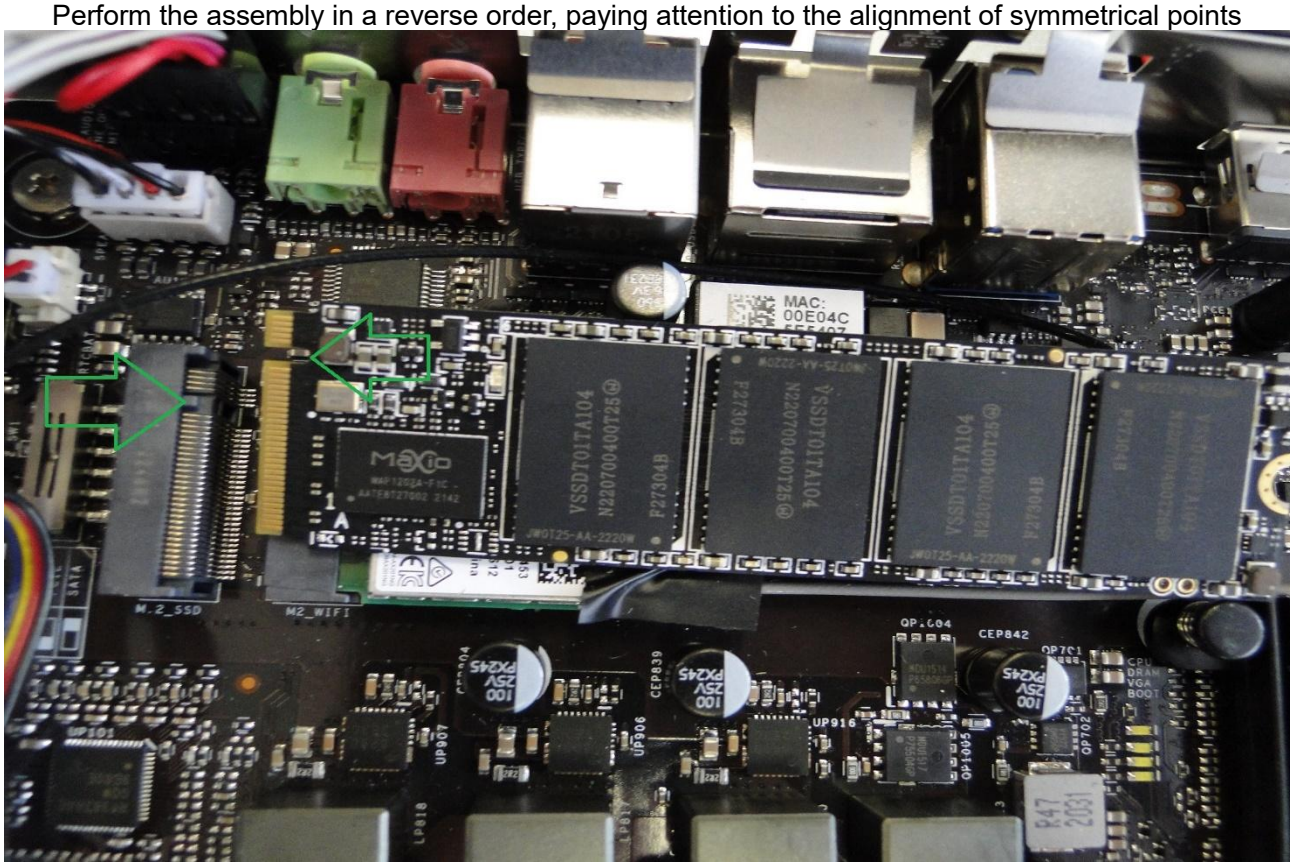
Using a Philips screwdriver, detach the screw securing the SSD M.2 drive



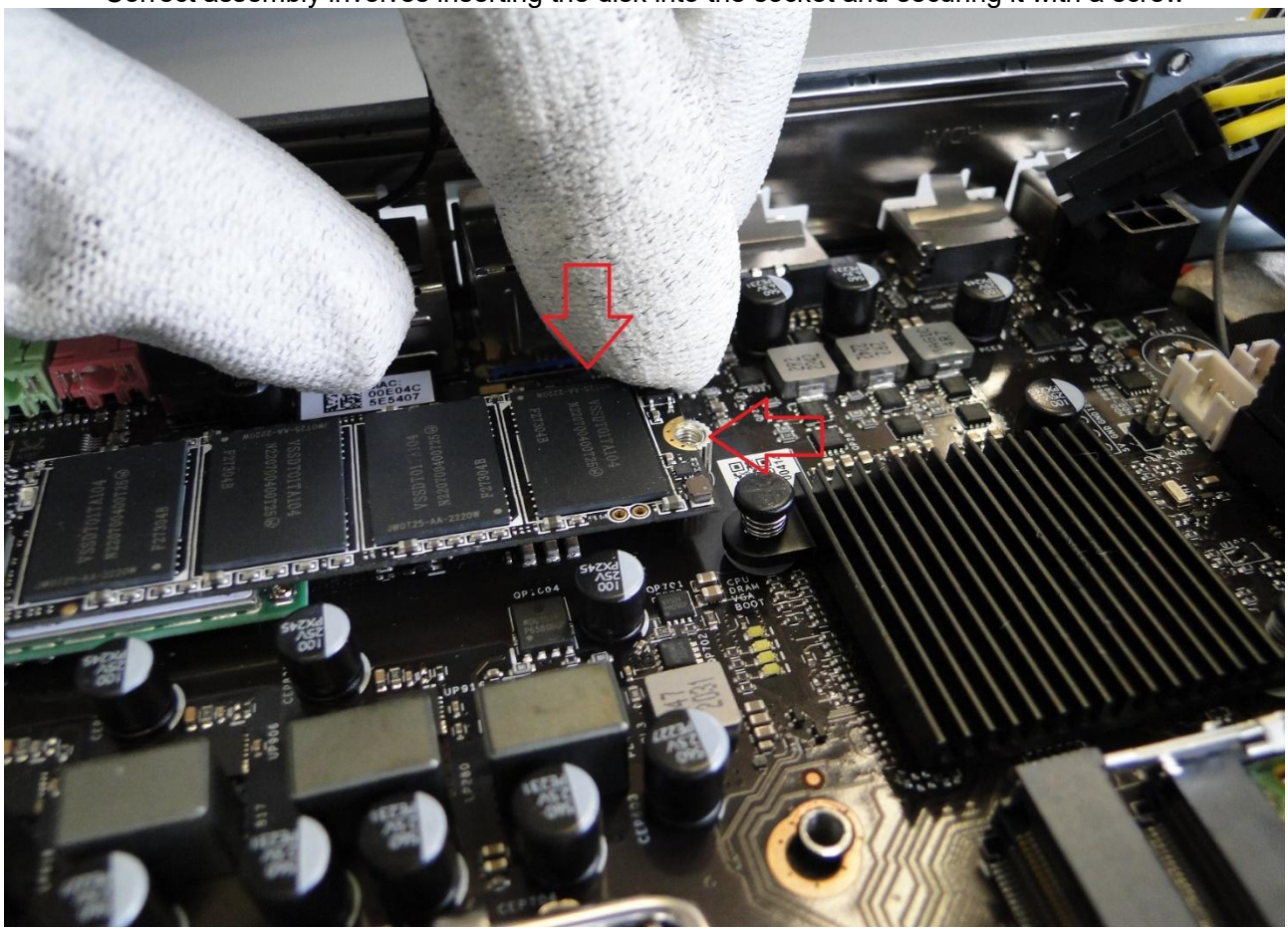
Lift the back of the drive upwards and slide the drive module out of the socket



Perform the assembly in a reverse order, paying attention to the alignment of symmetrical points

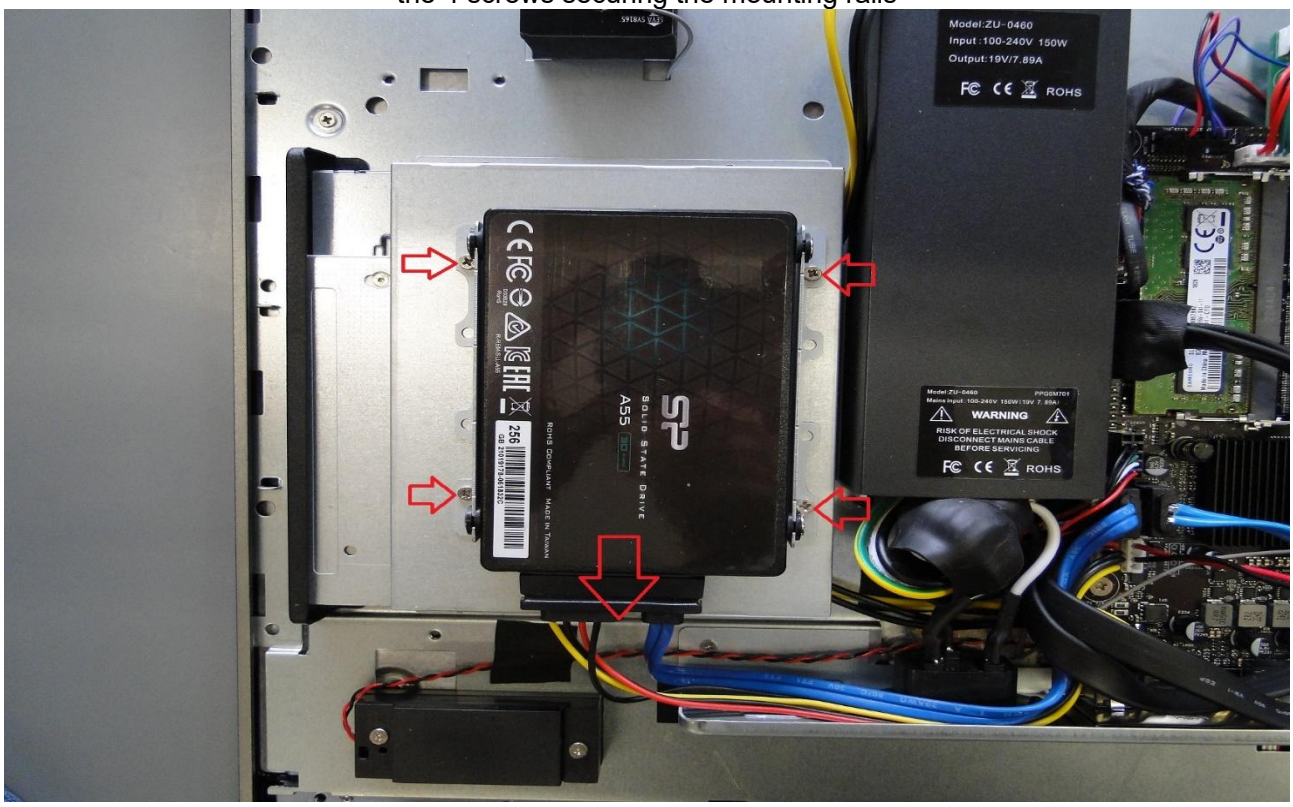


Correct assembly involves inserting the disk into the socket and securing it with a screw

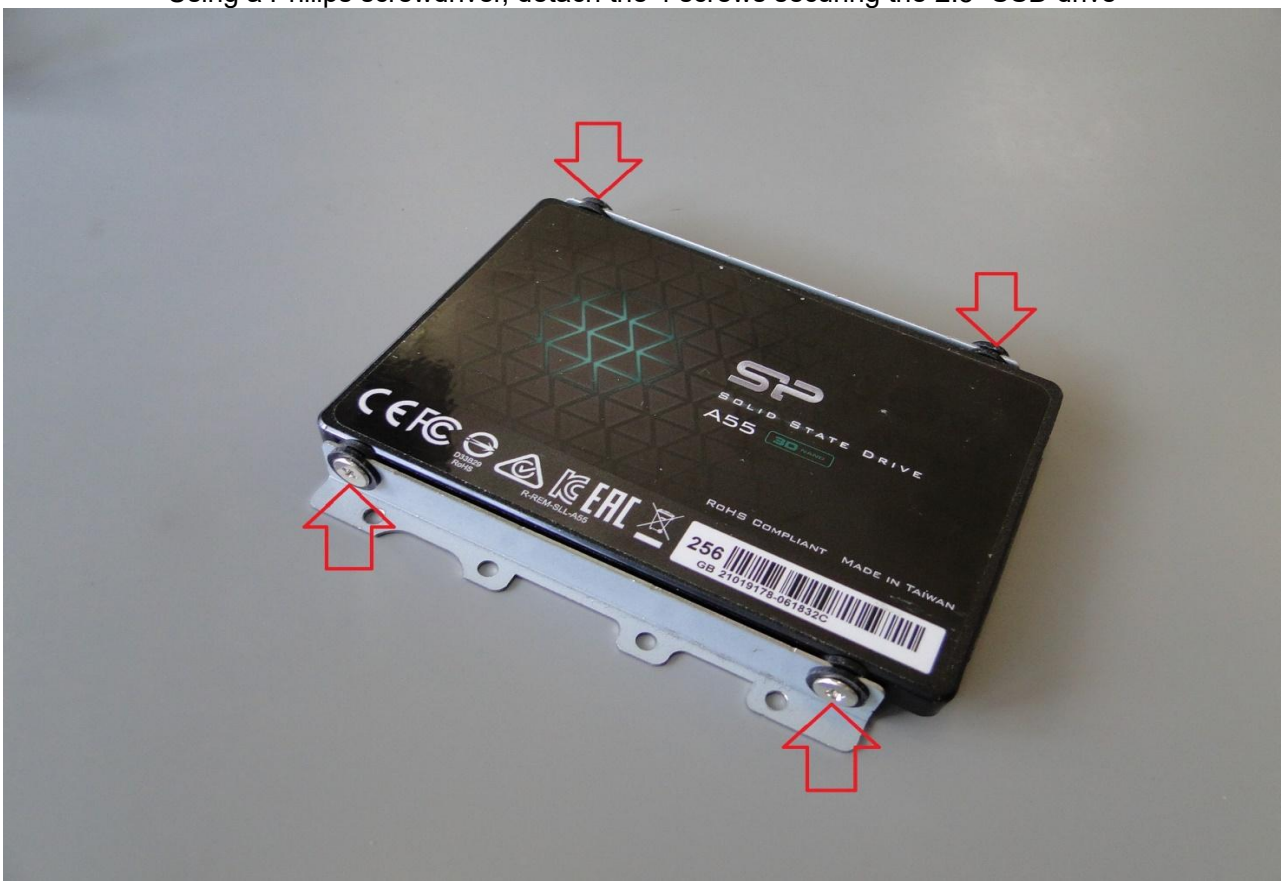


INSTRUCTIONS FOR 2.5” SSD DISK REPLACEMENT

Carefully slide out the power supply and SATA plugs with your fingers. Then, using a Philips screwdriver, detach the 4 screws securing the mounting rails



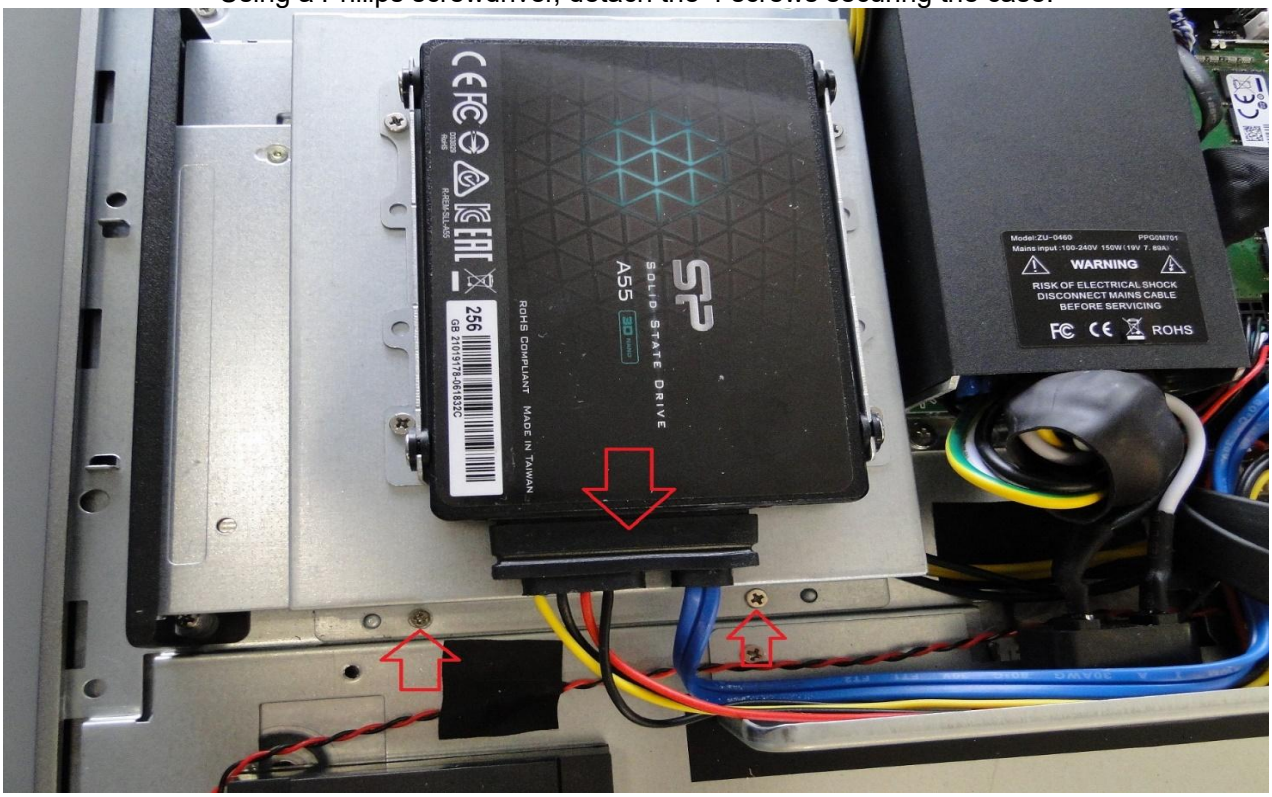
Using a Philips screwdriver, detach the 4 screws securing the 2.5” SSD drive

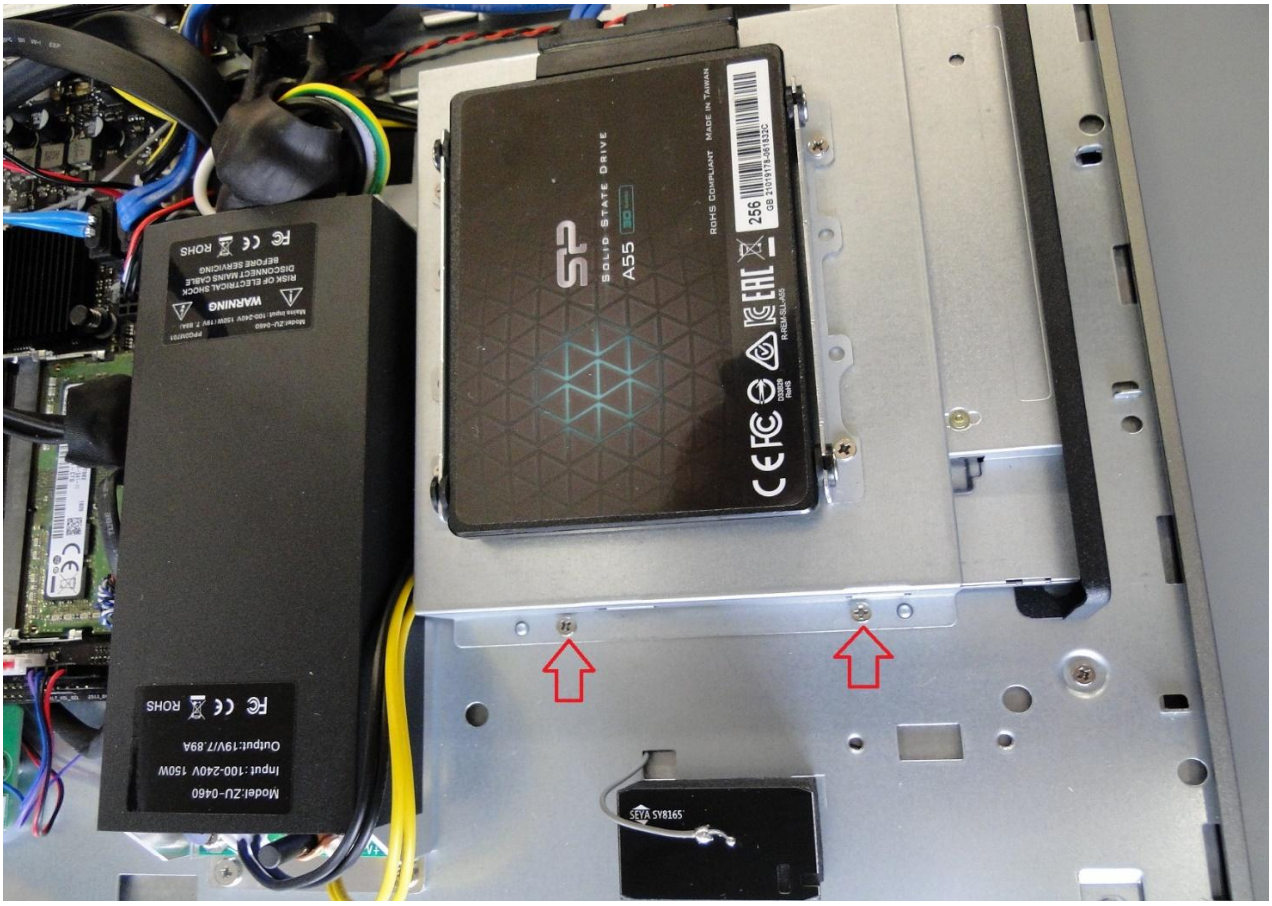


Carry out the assembly in a reverse order. When connecting the power supply and SATA cables, pay attention to the alignment of the symmetrical points.

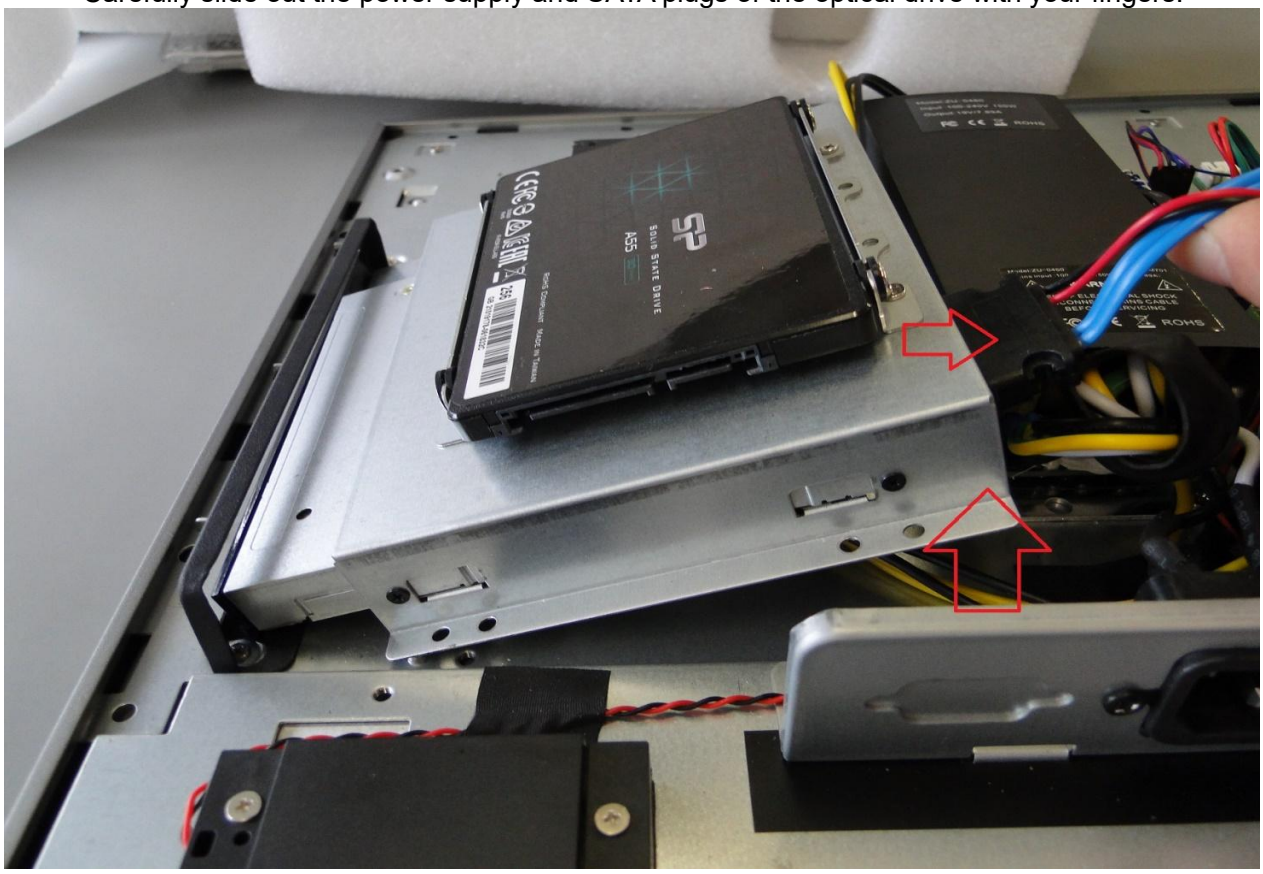
INSTRUCTIONS FOR DVD-RW DRIVE REPLACEMENT

Carefully slide out with your fingers the power supply and SATA plugs of the 2.5” SSD drive.
To replace the optical drive, it is necessary to remove the mounting case of the drive
Using a Philips screwdriver, detach the 4 screws securing the case.



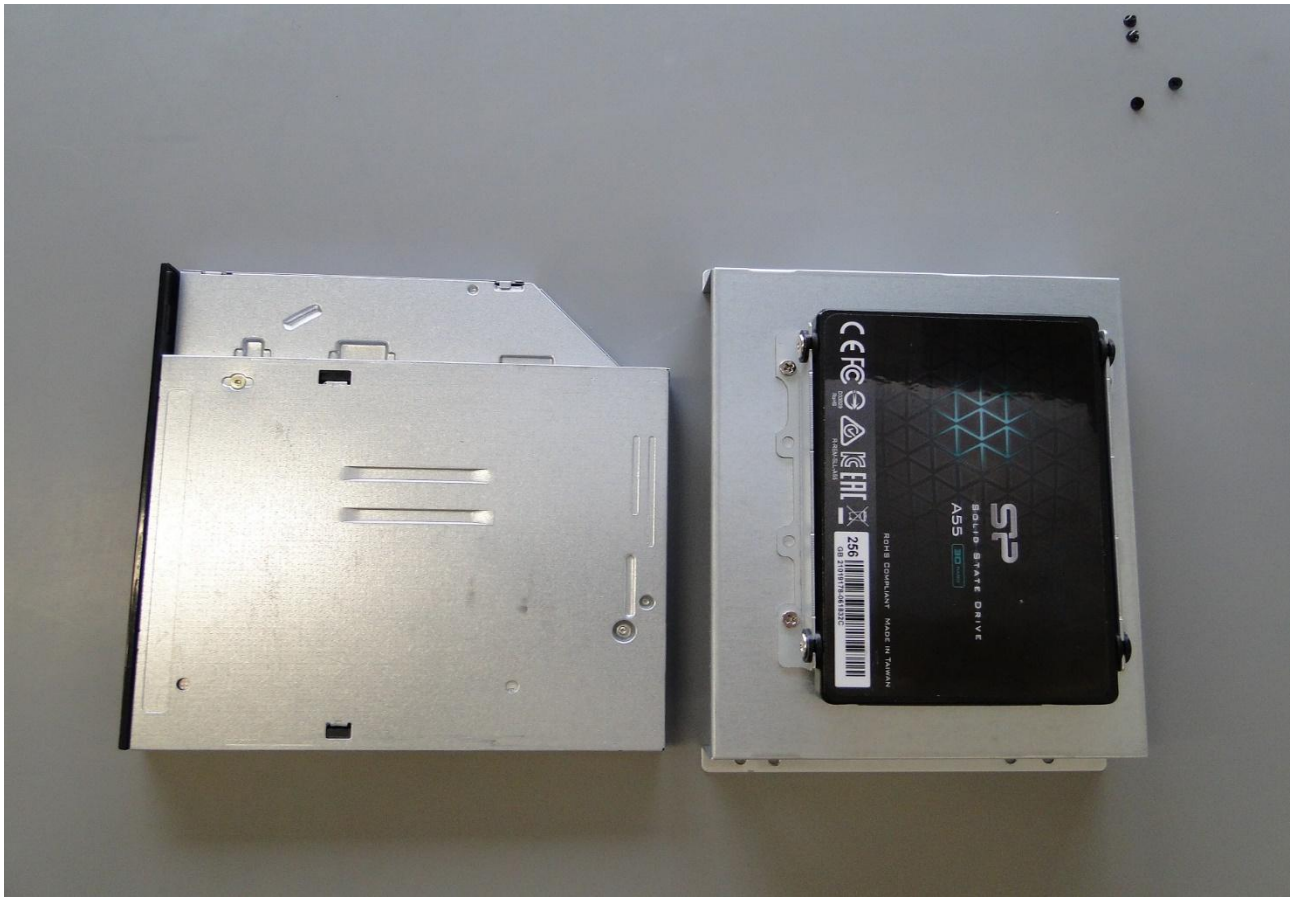


Lift the back of the optical drive case upward.
Carefully slide out the power supply and SATA plugs of the optical drive with your fingers.

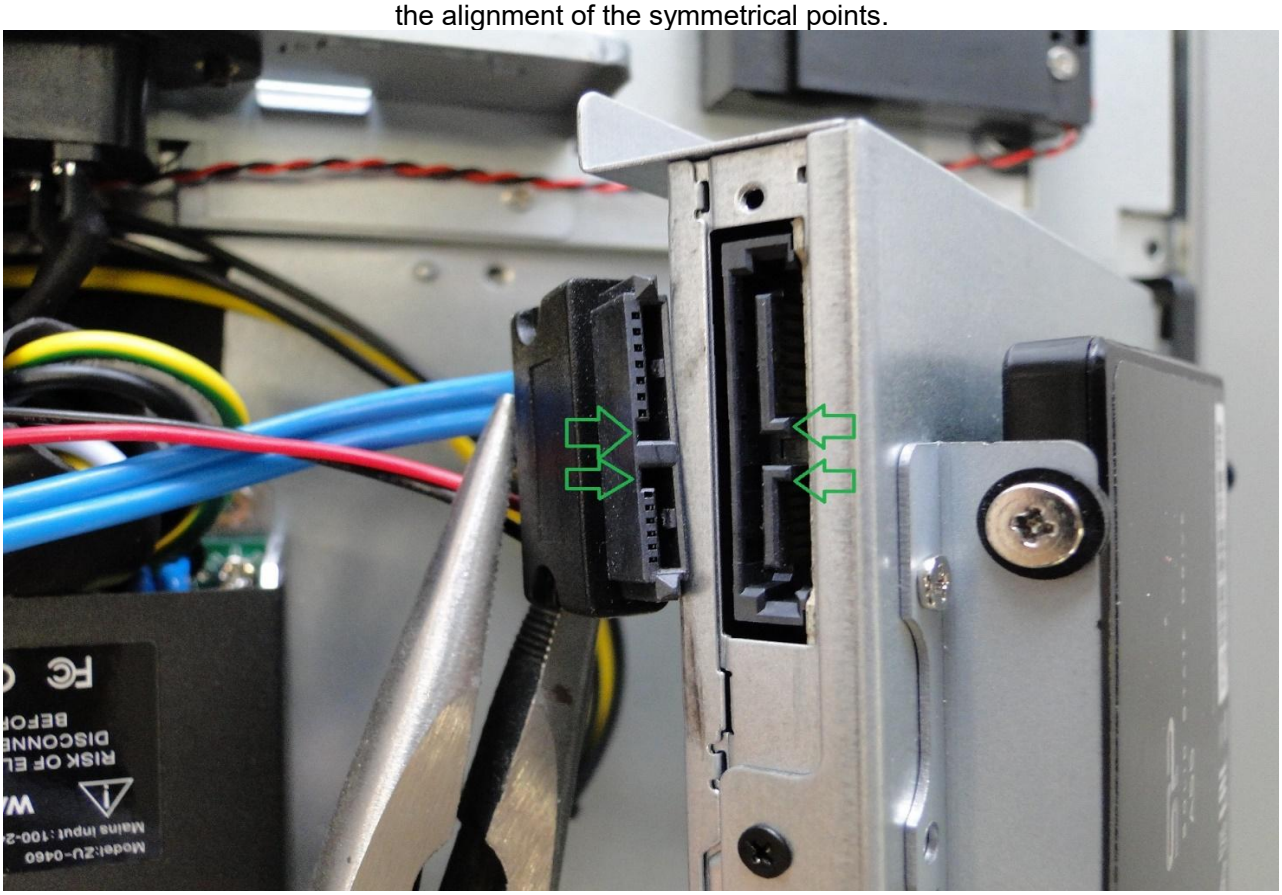


Using a Philips screwdriver, detach the 4 screws securing the optical drive.

Next, slide the optical drive out of the housing

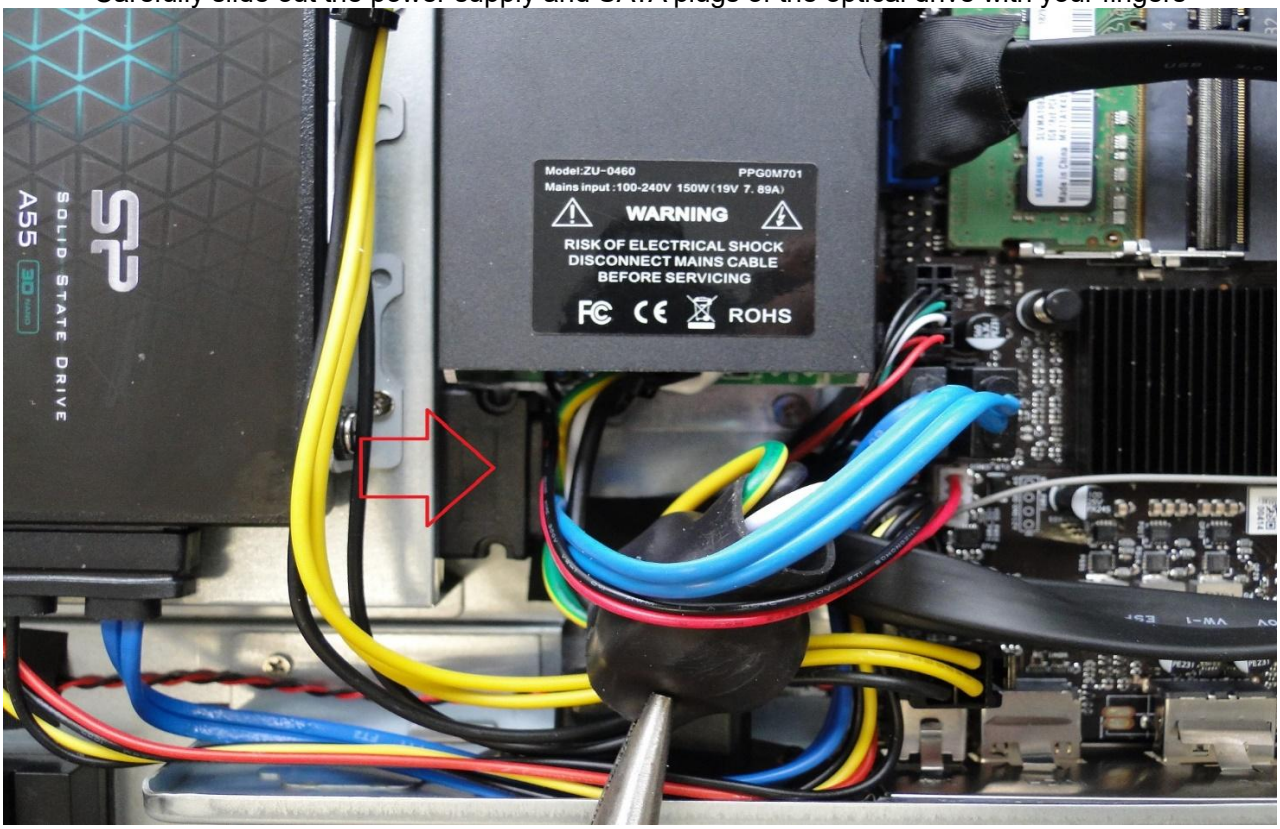


Carry out the assembly in a reverse order. When connecting the power supply and SATA cables, pay attention to the alignment of the symmetrical points.

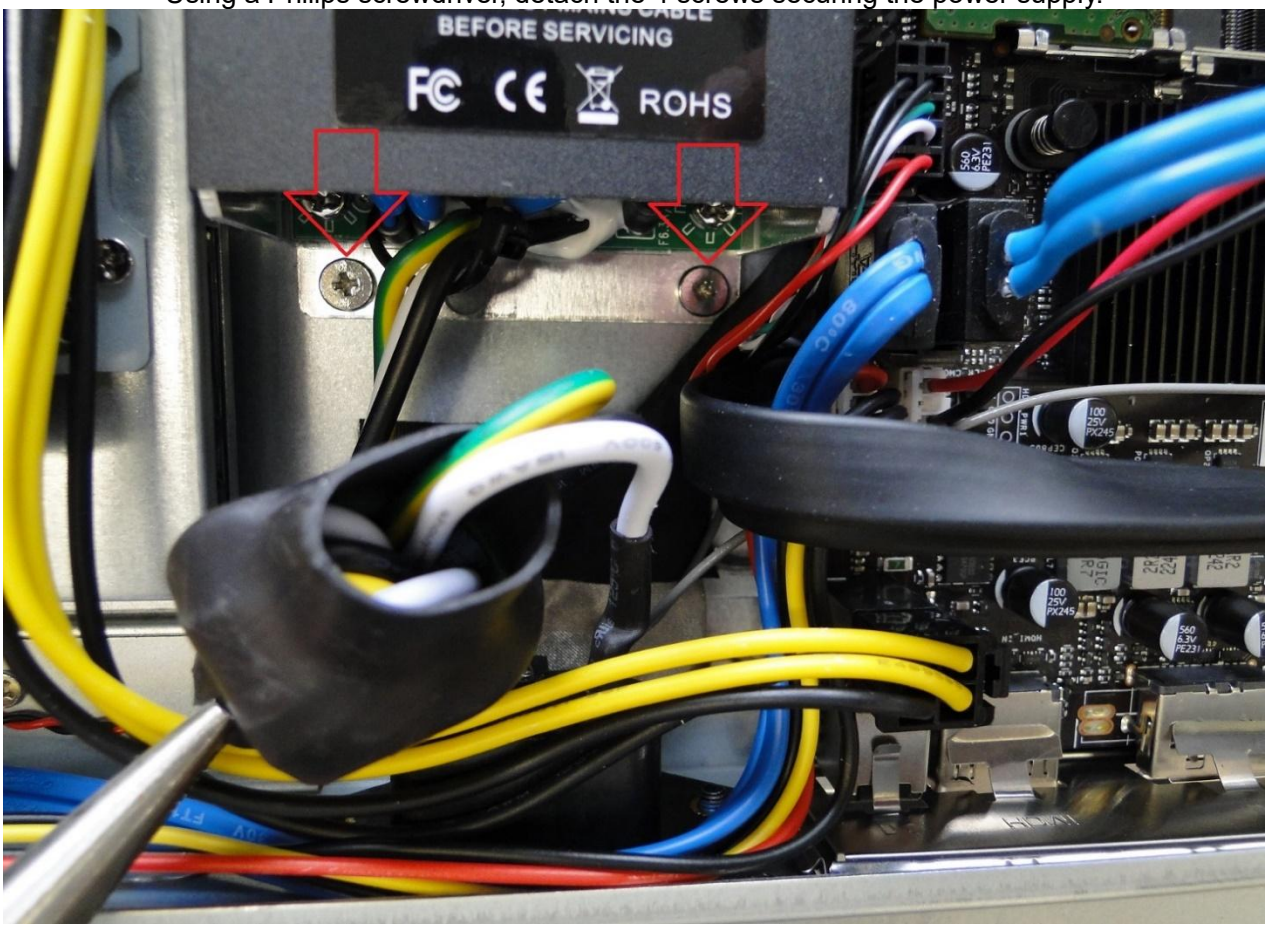


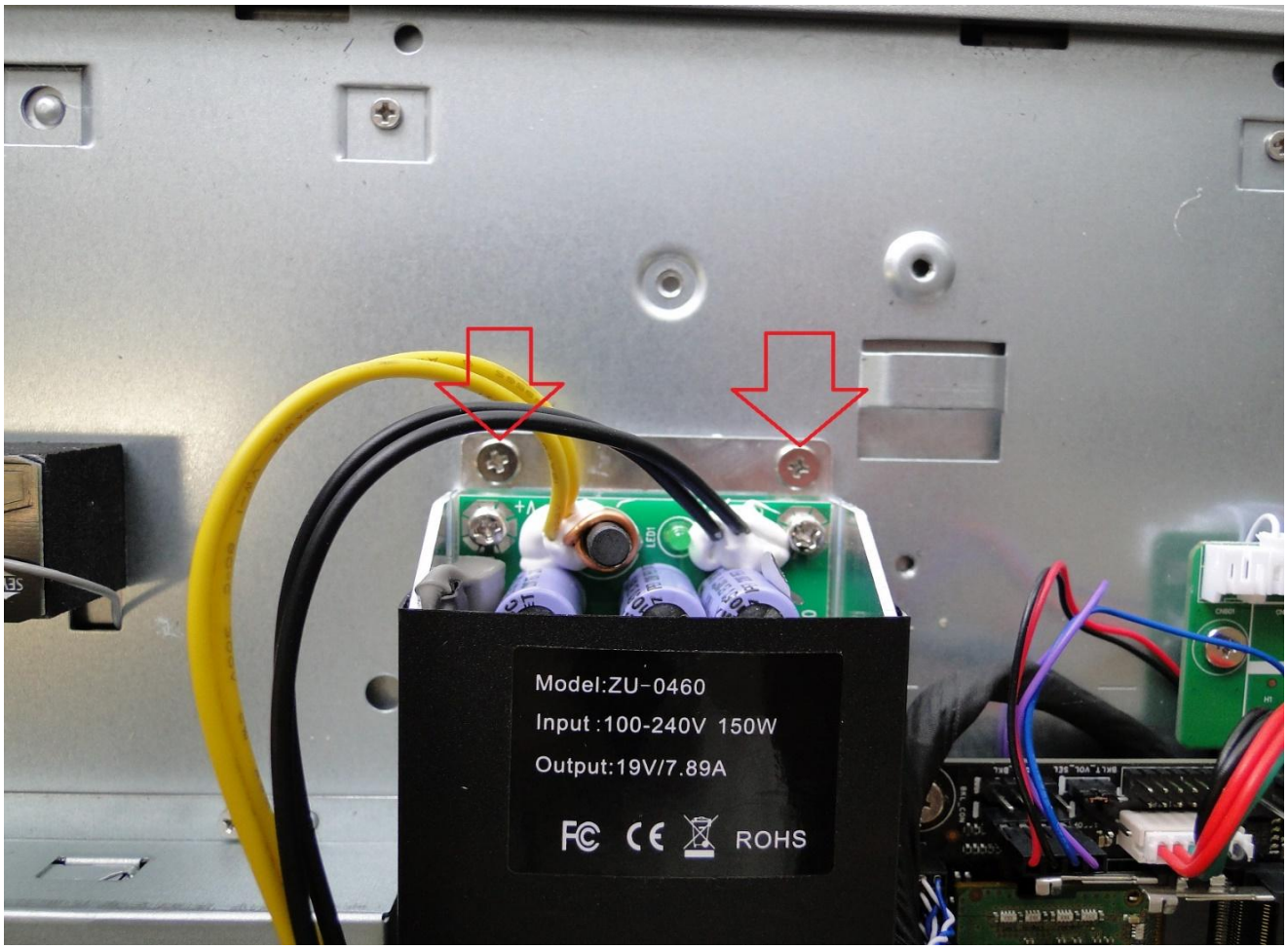
INSTRUCTIONS FOR POWER SUPPLY REPLACEMENT

Carefully slide out the power supply and SATA plugs of the optical drive with your fingers

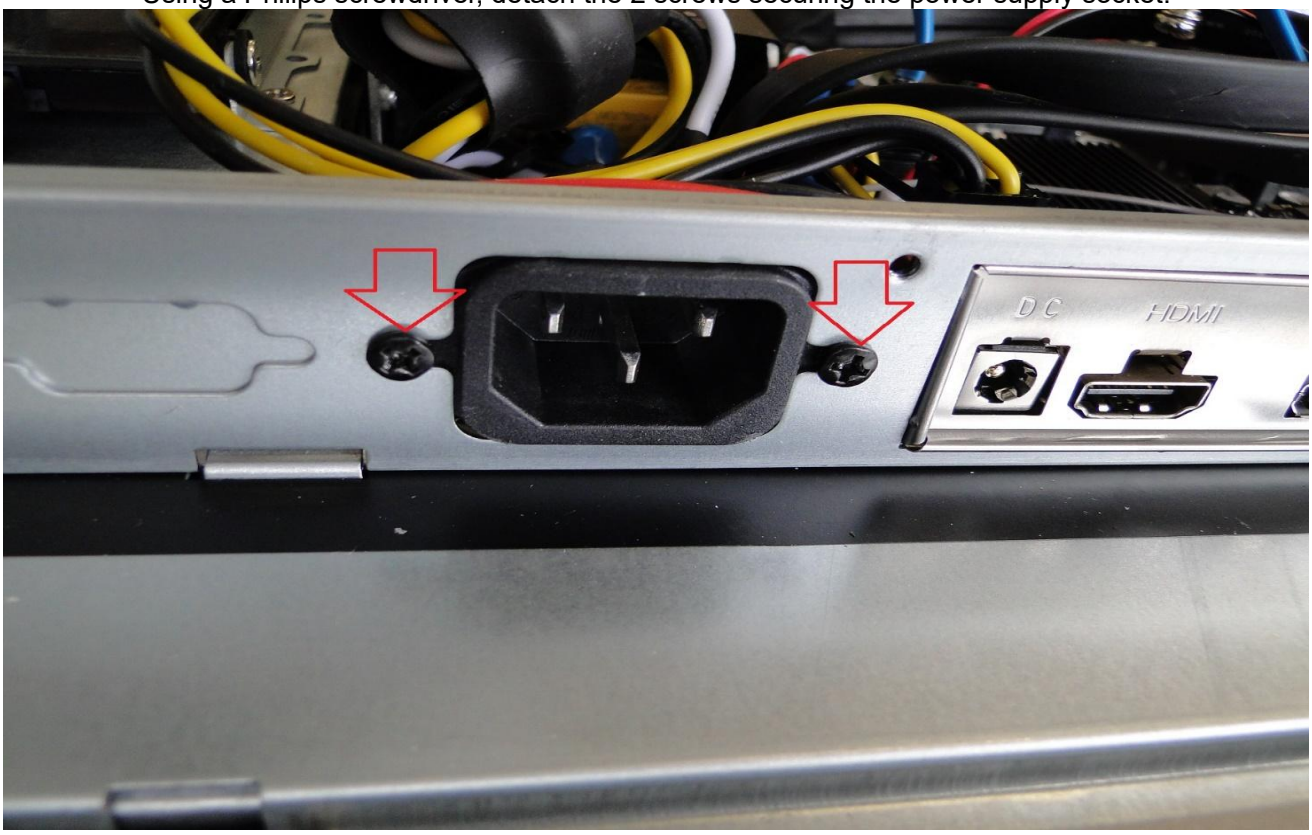


Using a Philips screwdriver, detach the 4 screws securing the power supply.

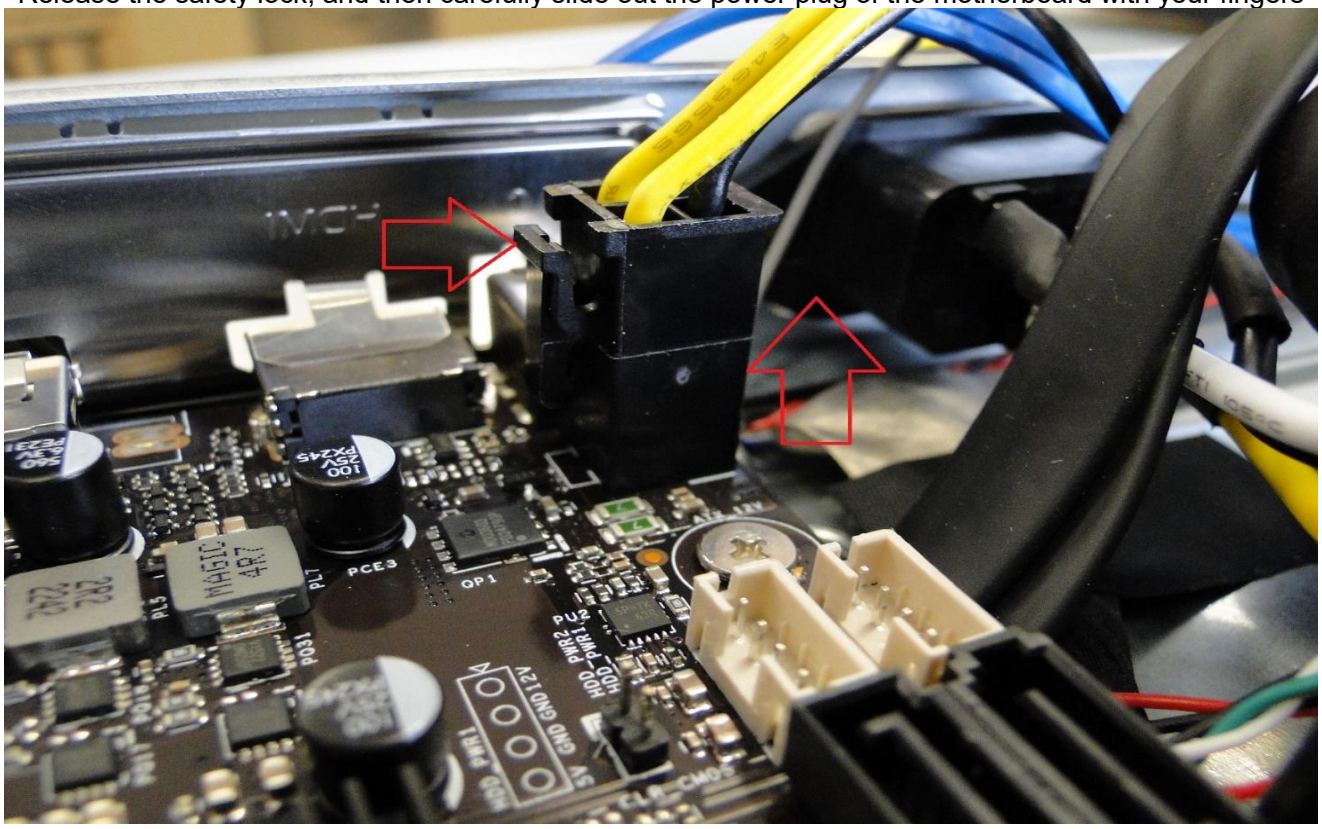




Using a Philips screwdriver, detach the 2 screws securing the power supply socket.

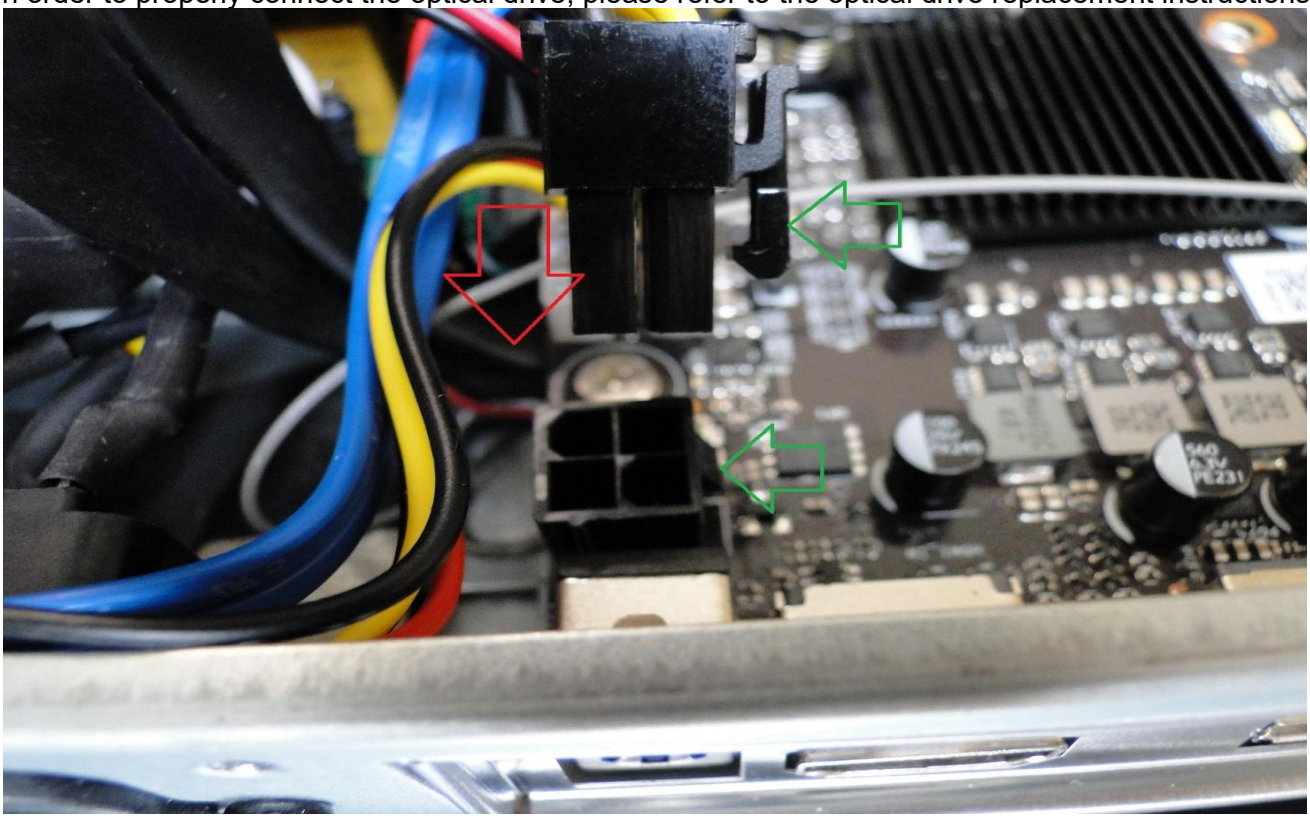


Release the safety lock, and then carefully slide out the power plug of the motherboard with your fingers



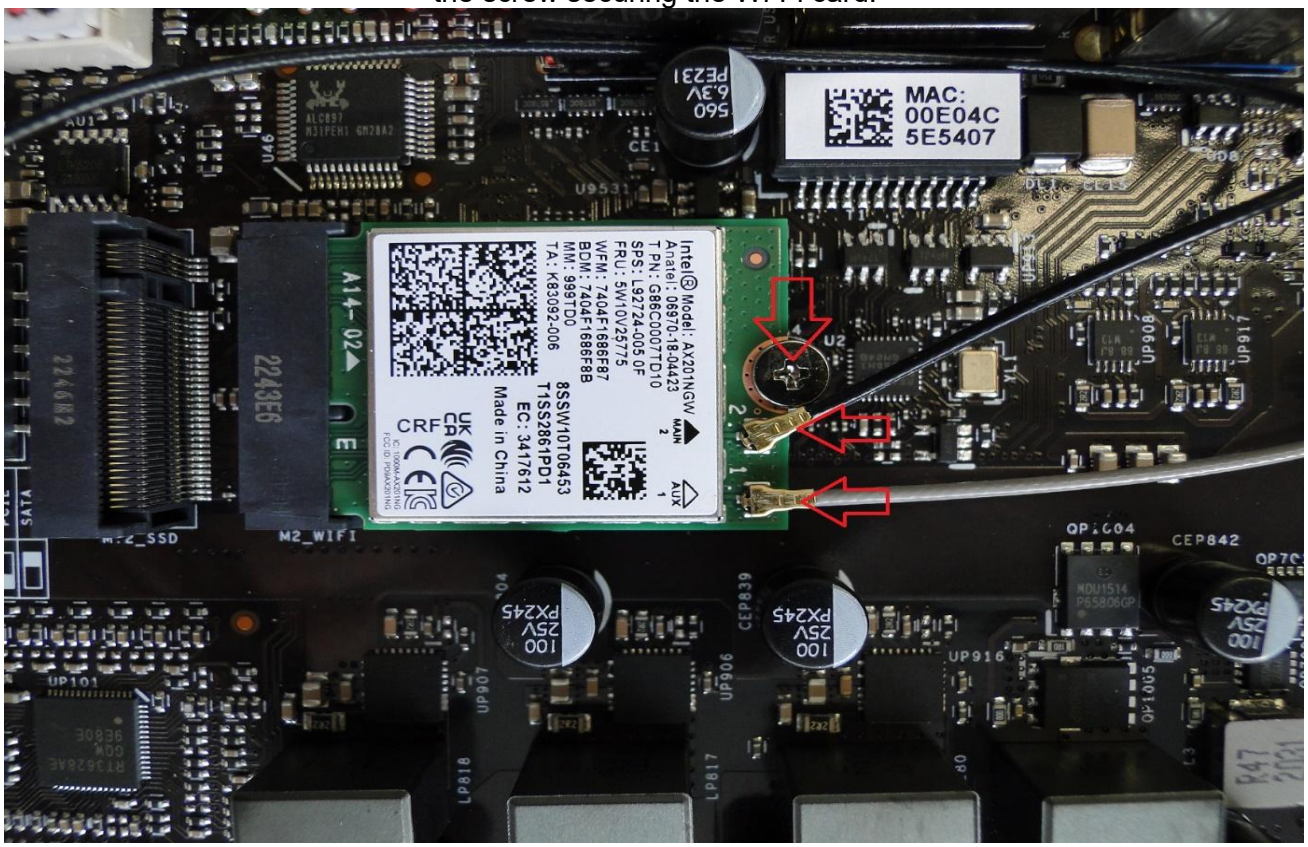
Carry out the assembly in a reverse order. When connecting the power plug of the motherboard, pay attention to the alignment of the symmetrical points.

In order to properly connect the optical drive, please refer to the optical drive replacement instructions.

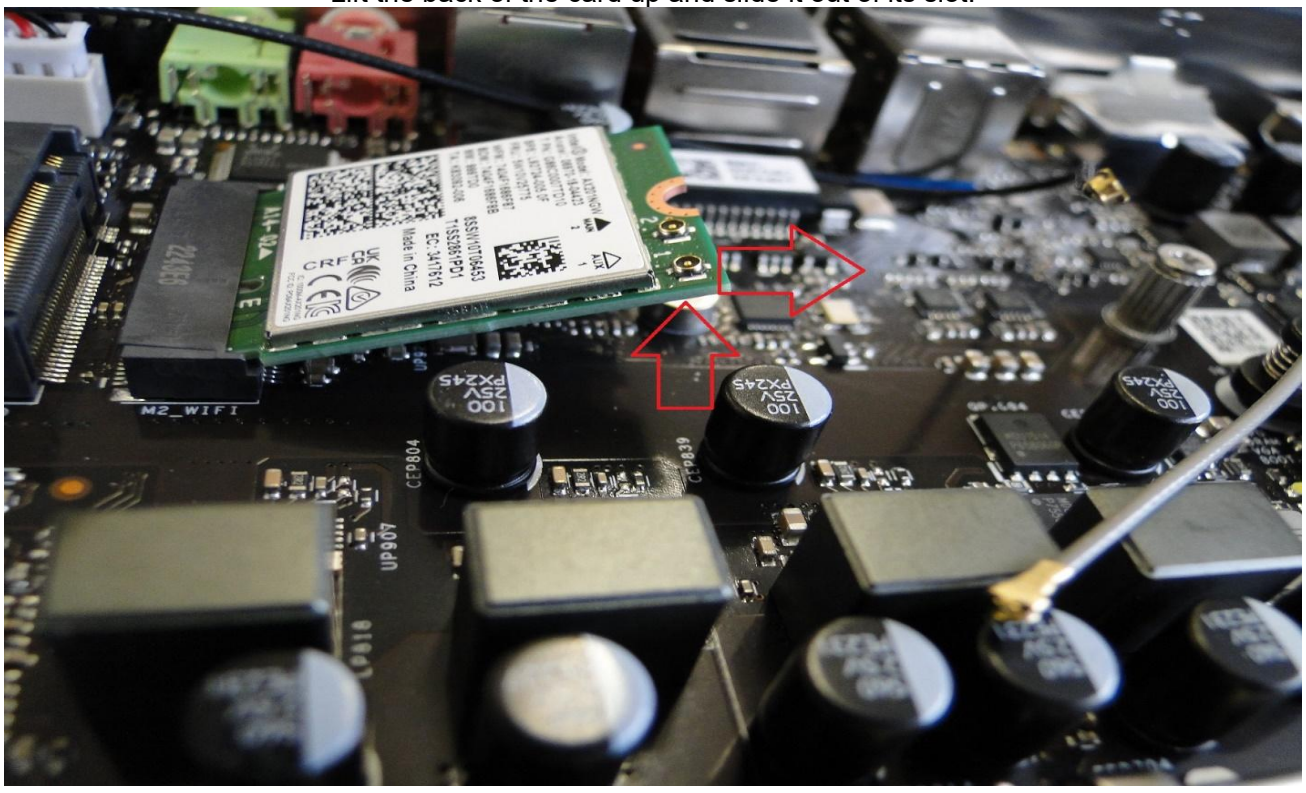


INSTRUCTIONS FOR WI-FI CARD REPLACEMENT

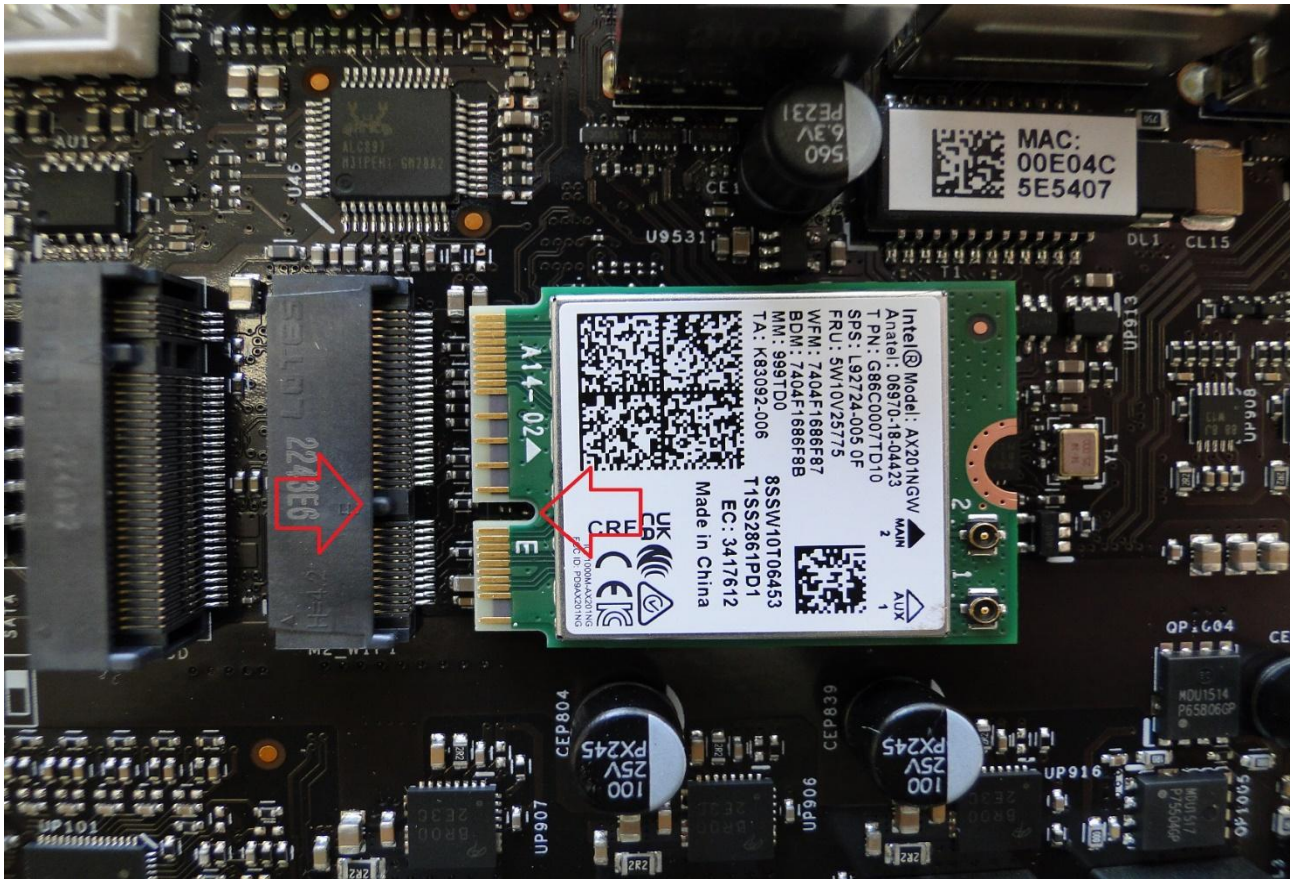
Before replacing the Wi-Fi card, remove the 2.5” SSD drive (if the computer is equipped with such a drive). For this purpose, please refer to the 2.5” SSD replacement instruction. To replace the Wi-Fi card, start by unplugging the Main and Aux antenna cables with your fingers. Then, use a Philips screwdriver to detach the screw securing the Wi-Fi card.



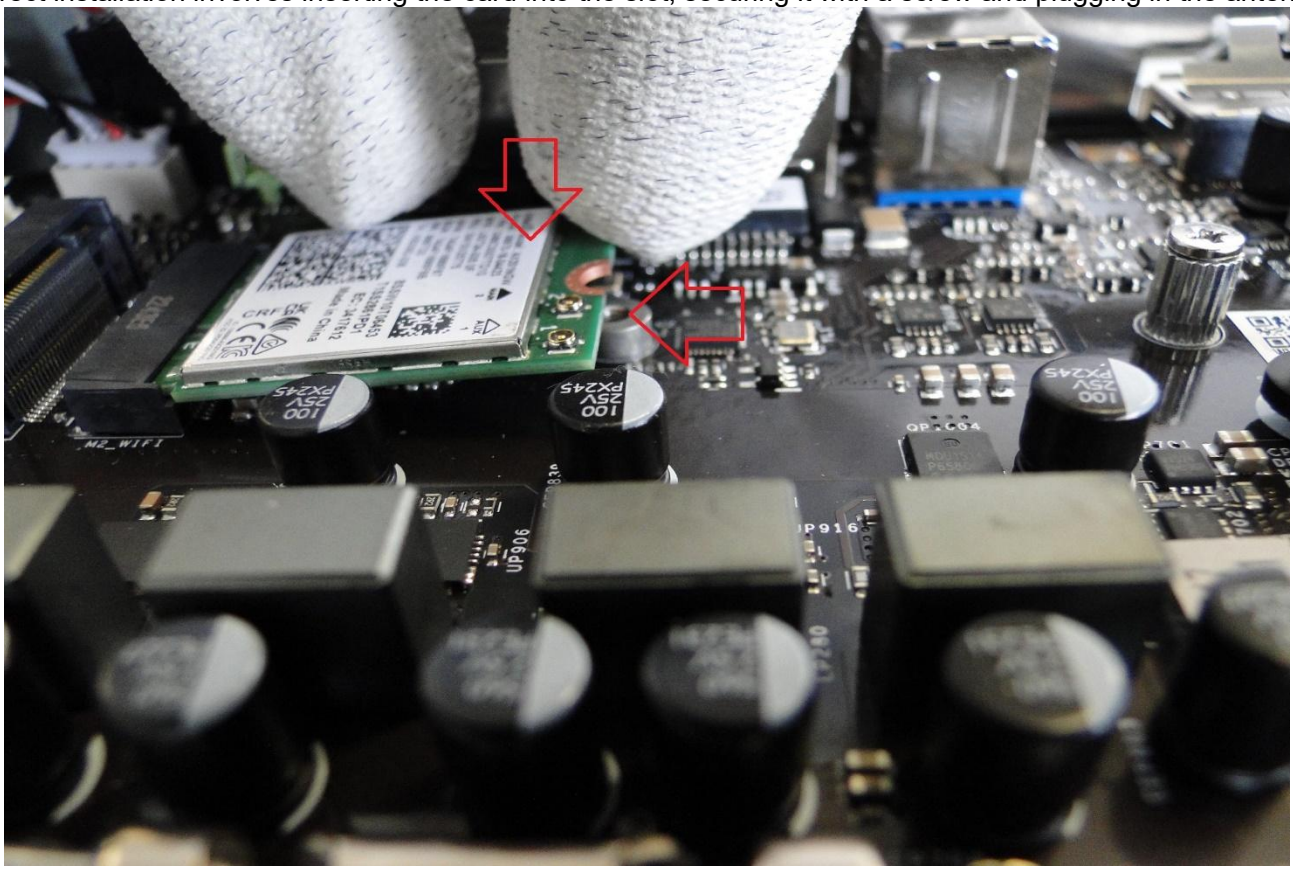
Lift the back of the card up and slide it out of its slot.



Carry out the assembly in a reverse order, paying attention to the alignment of the symmetrical points. Remember to secure the WiFi card with a screw and connect the Main and Aux antennas.

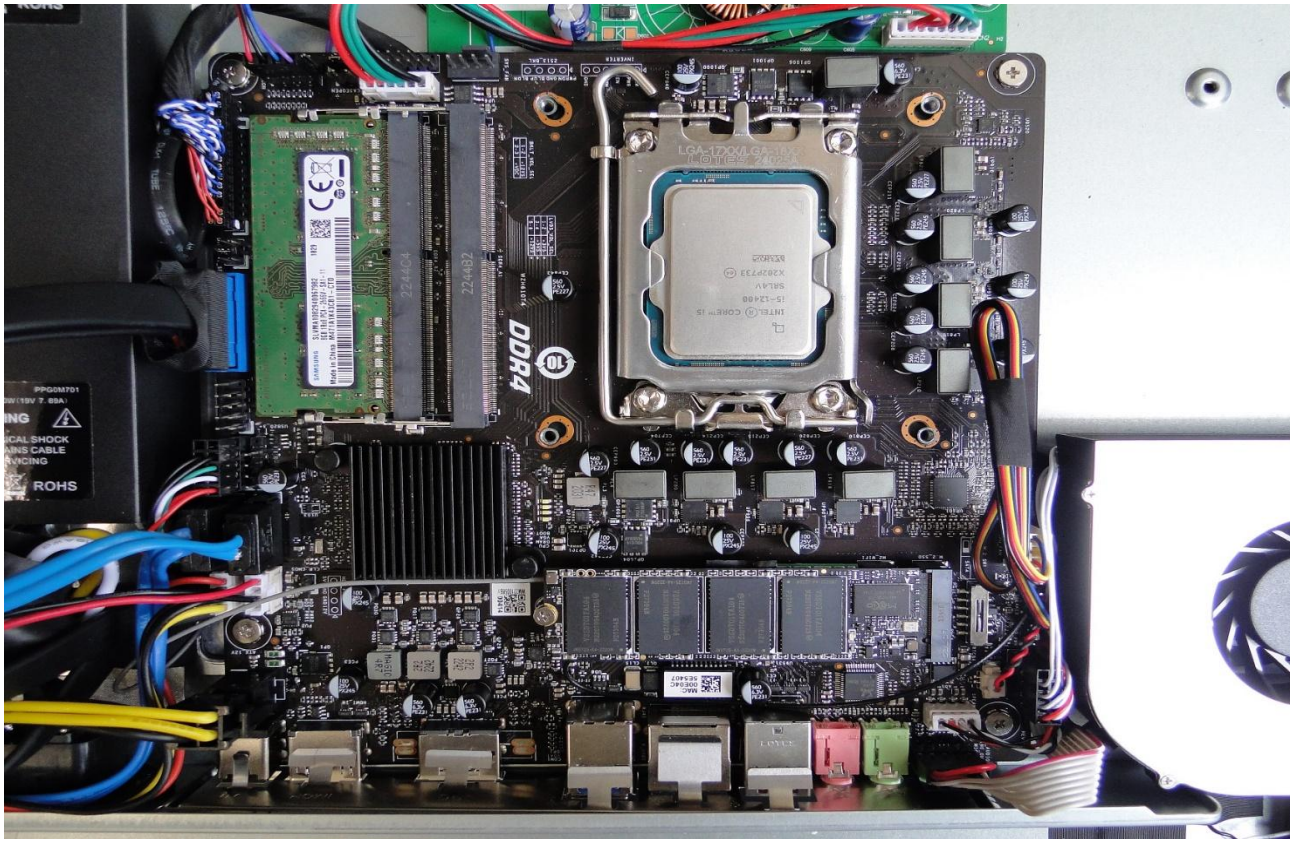


Correct installation involves inserting the card into the slot, securing it with a screw and plugging in the antennas



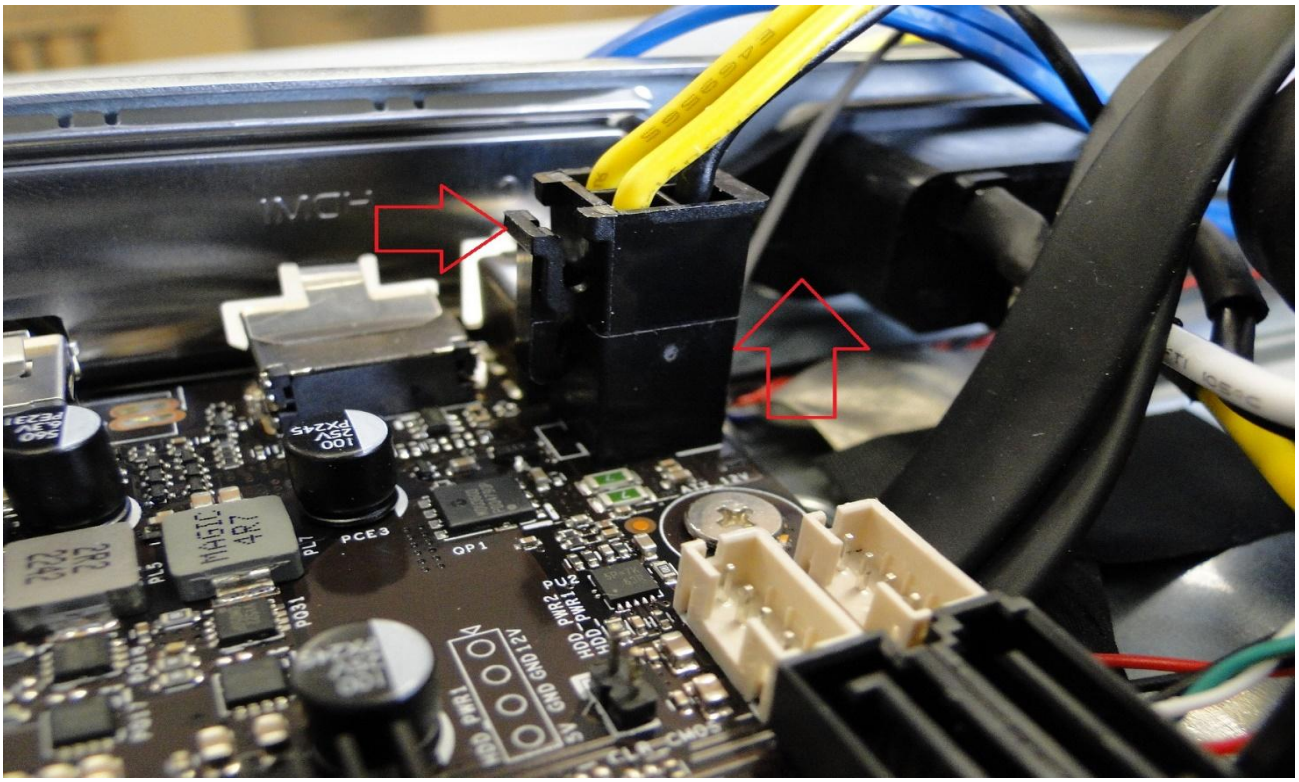
INSTRUCTIONS FOR MOTHERBOARD REPLACEMENT

Before replacing the motherboard, detach the processor cooling system, the RAM operating memory and the SSD drive.

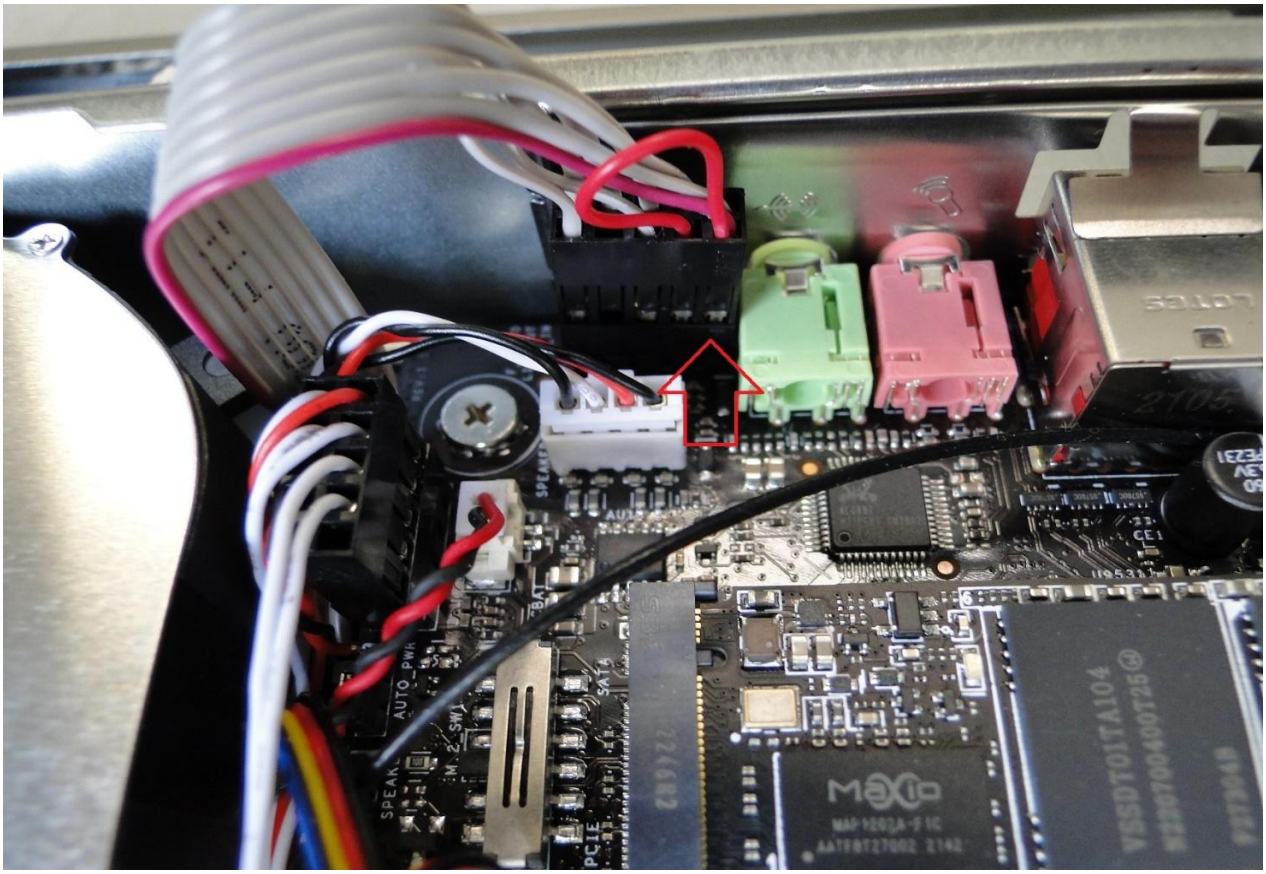


The first step is to disconnect the cable harnesses from the motherboard. The pictures below show the removal of all the cable harnesses.

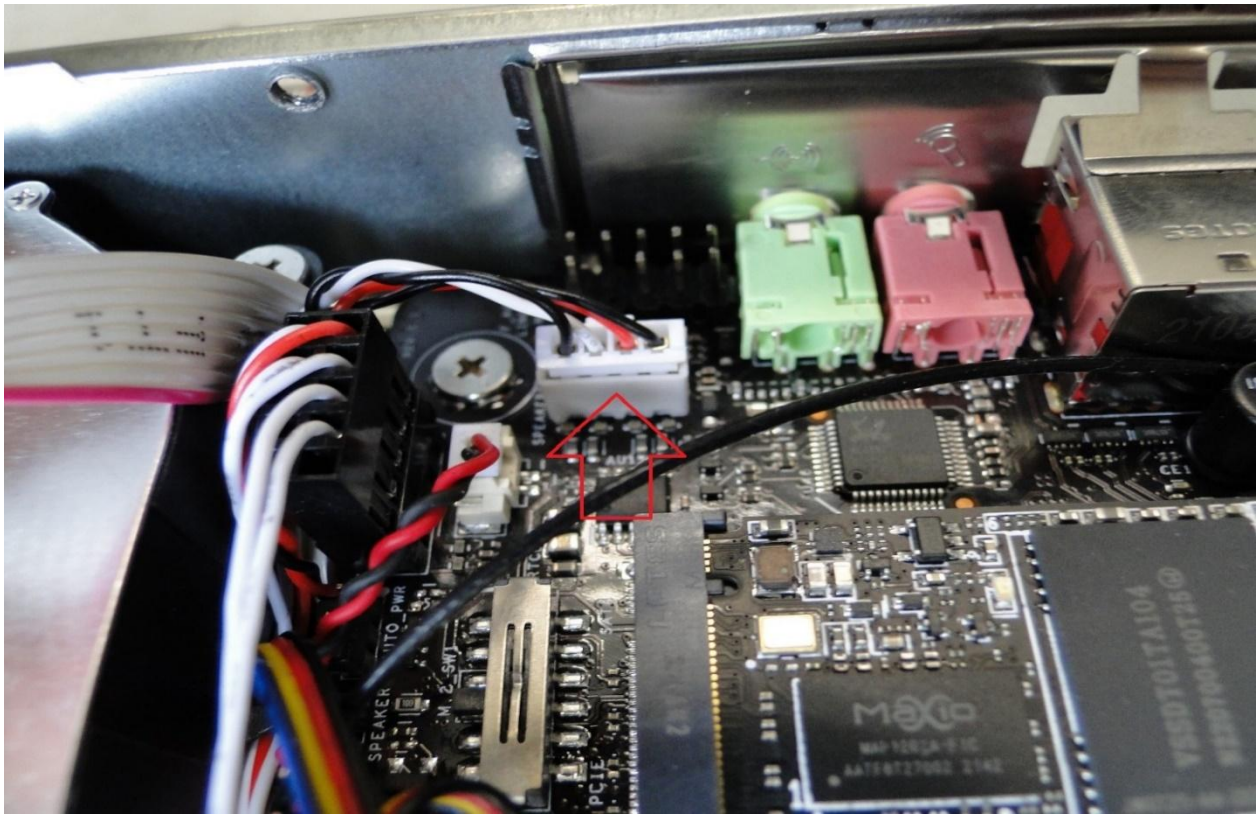
Removal of the motherboard power harness



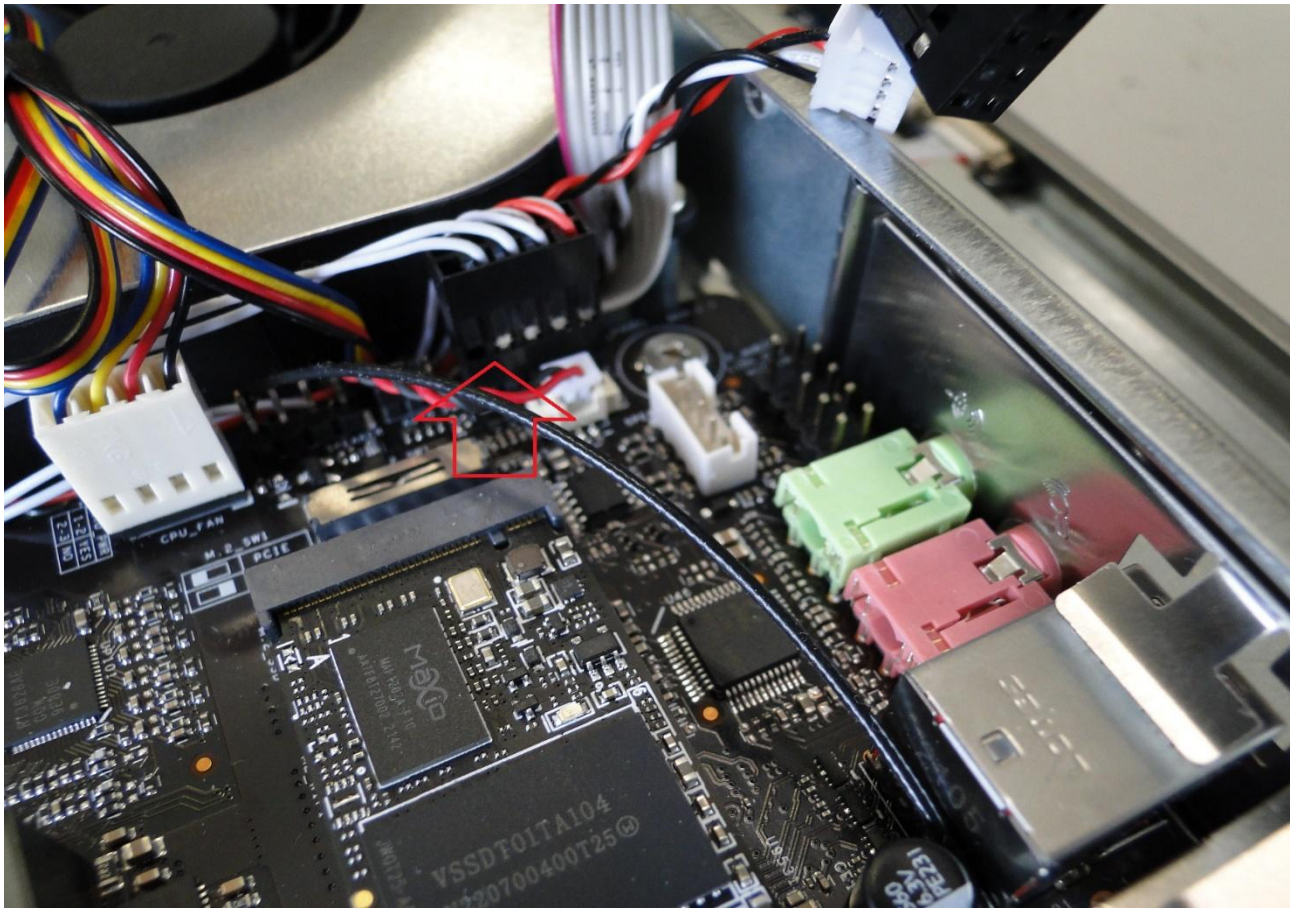
Removal of the audio side panel harness



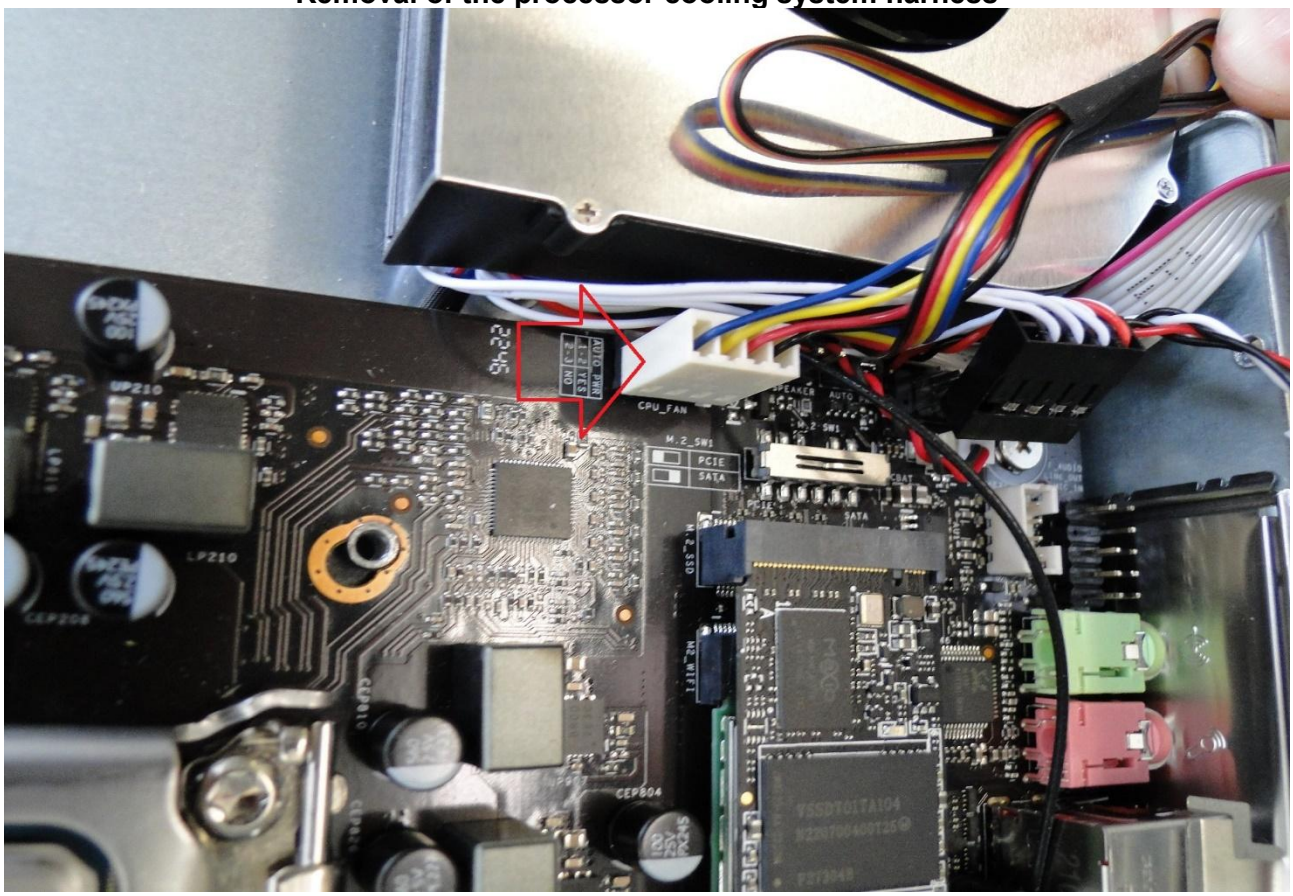
Removal of the speakers' harness



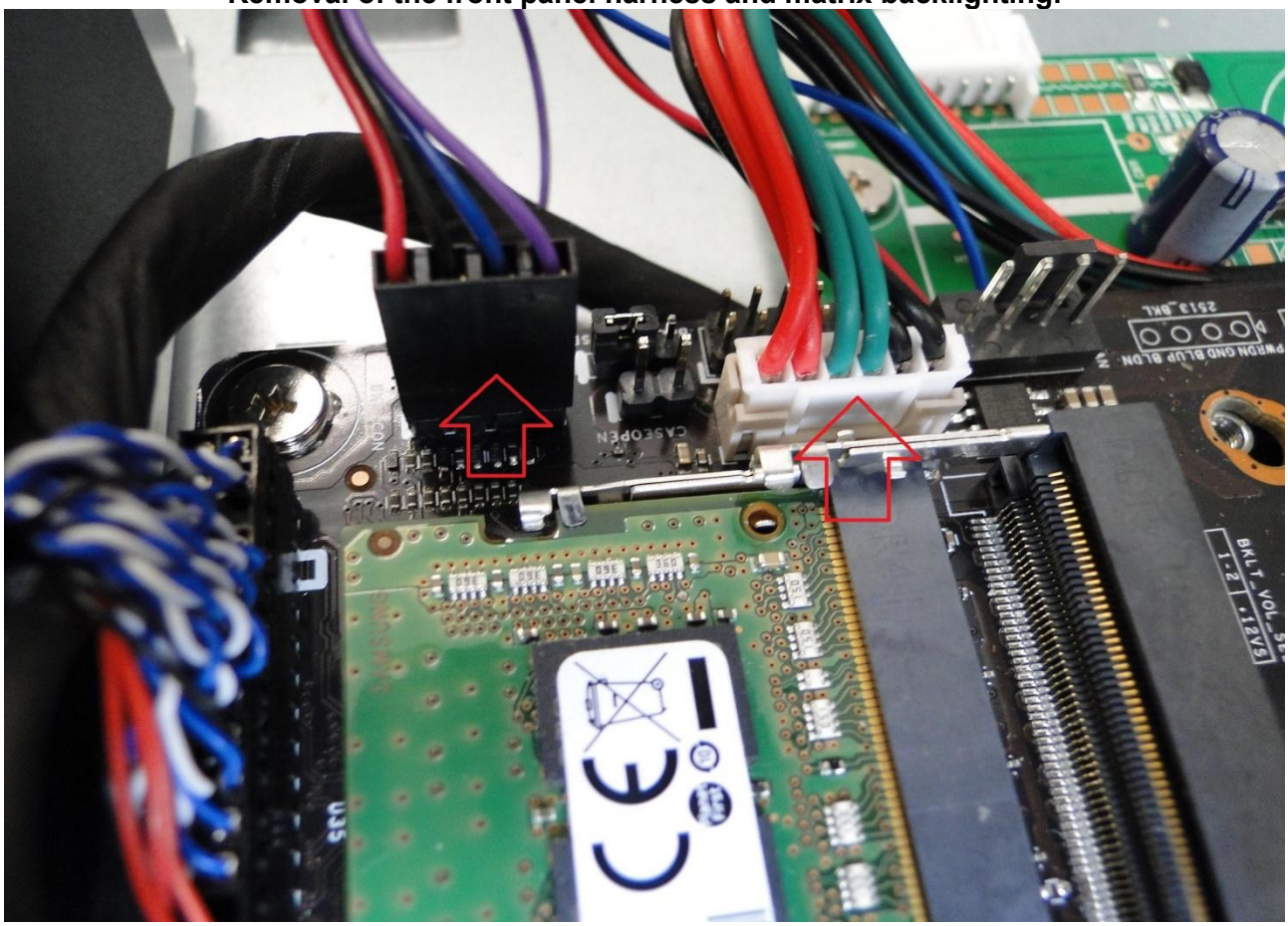
Removal of the front panel harness



Removal of the processor cooling system harness

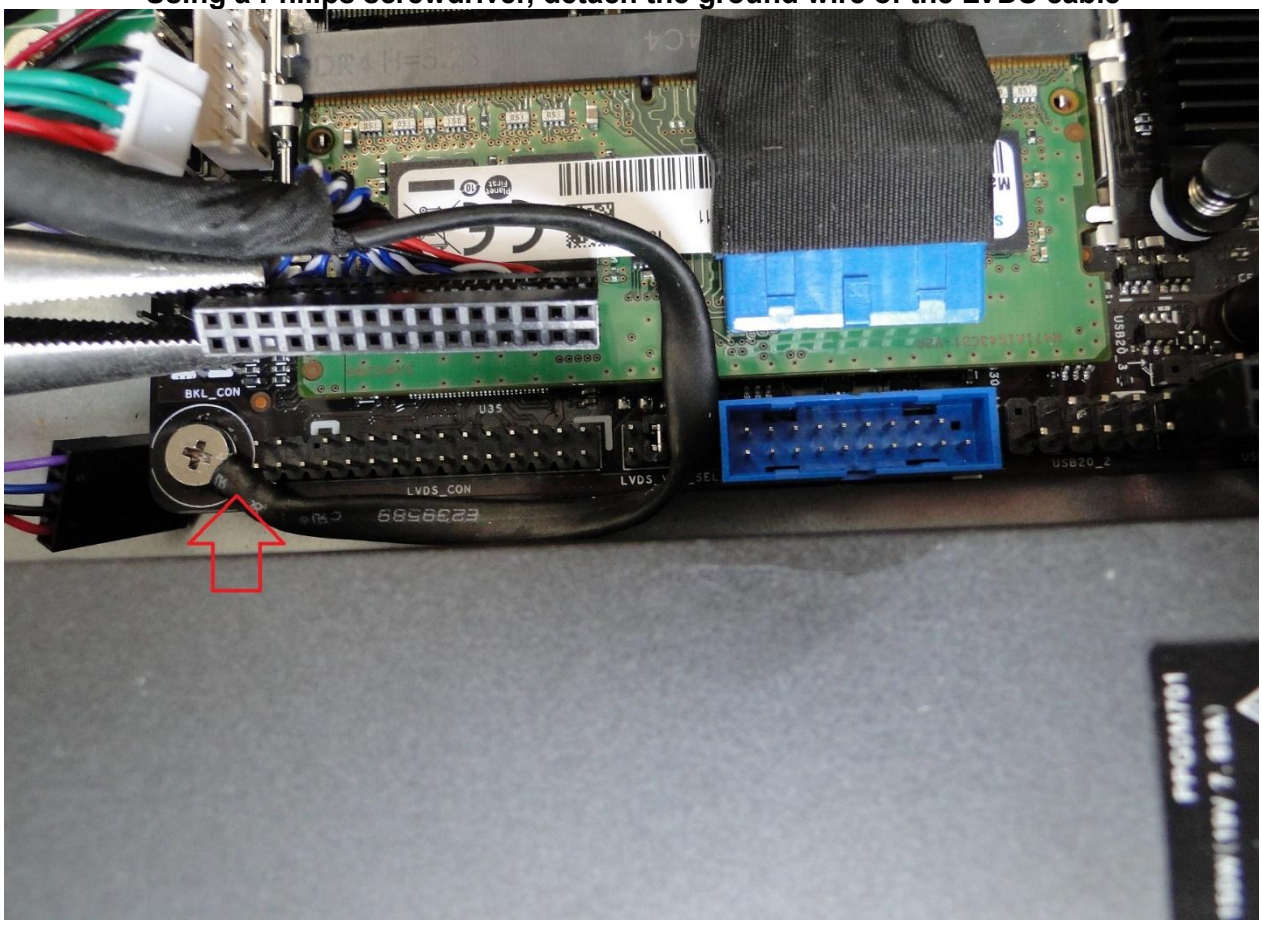


Removal of the front panel harness and matrix backlighting.

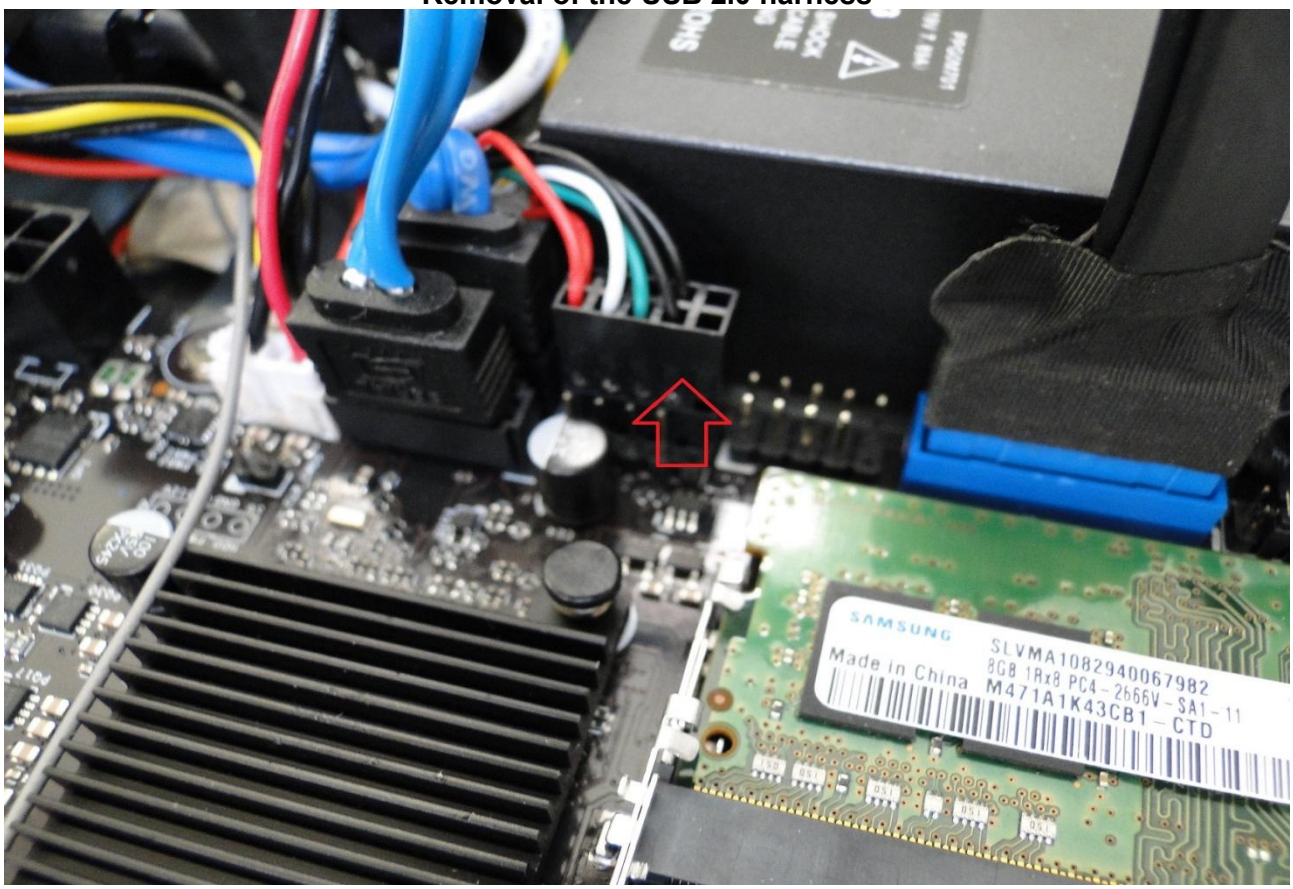


Removal of the USB 3.0 and LVDS harnesses

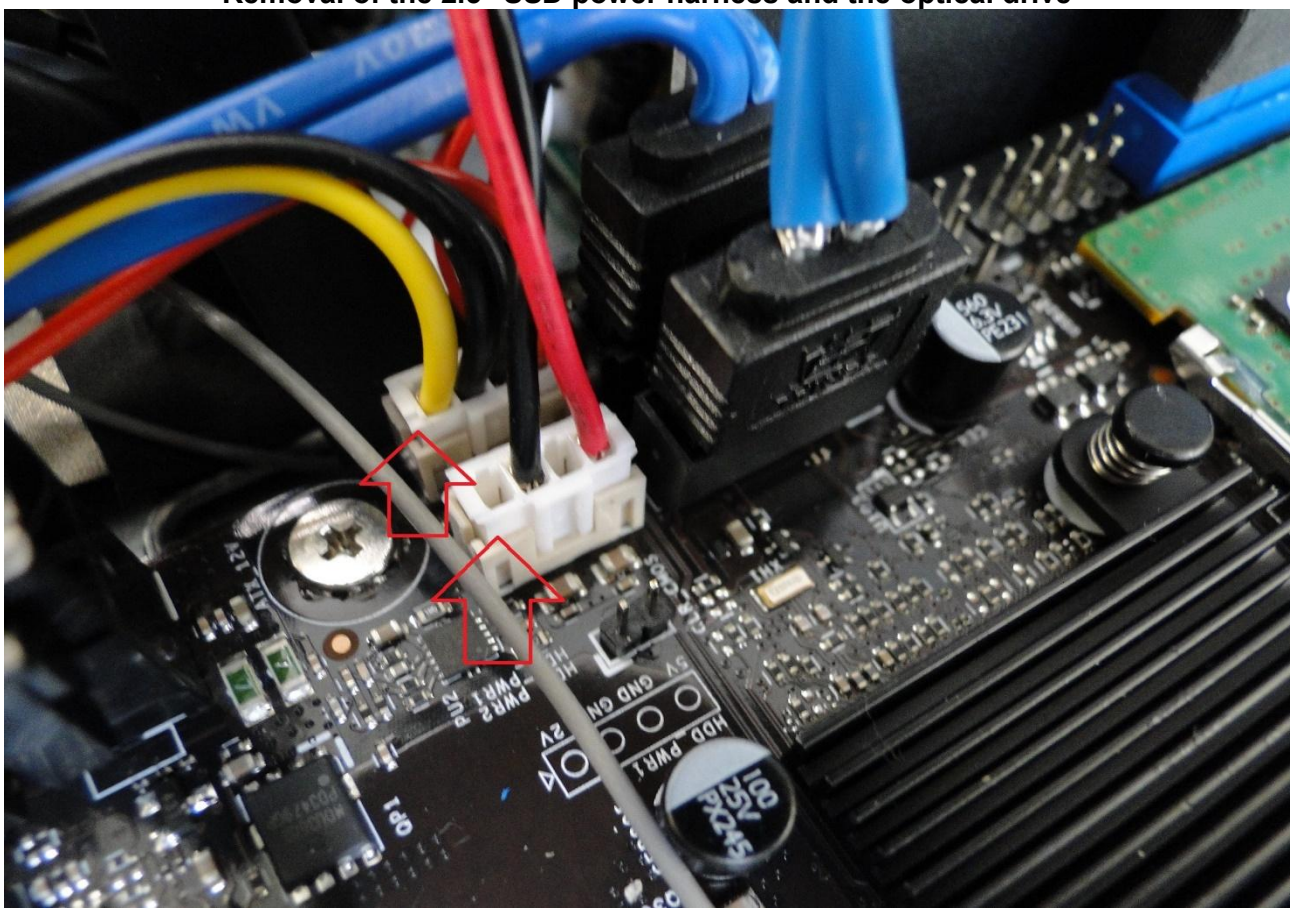
Using a Philips screwdriver, detach the ground wire of the LVDS cable



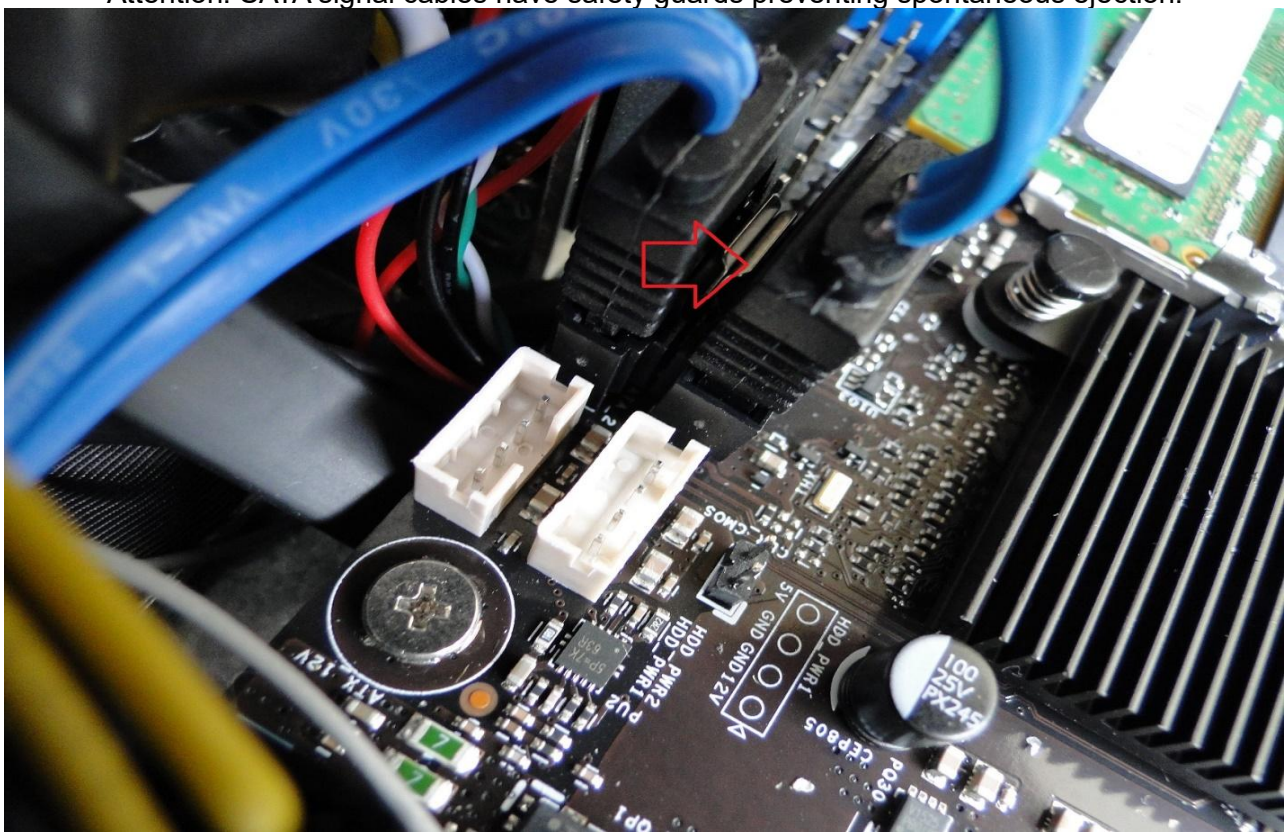
Removal of the USB 2.0 harness



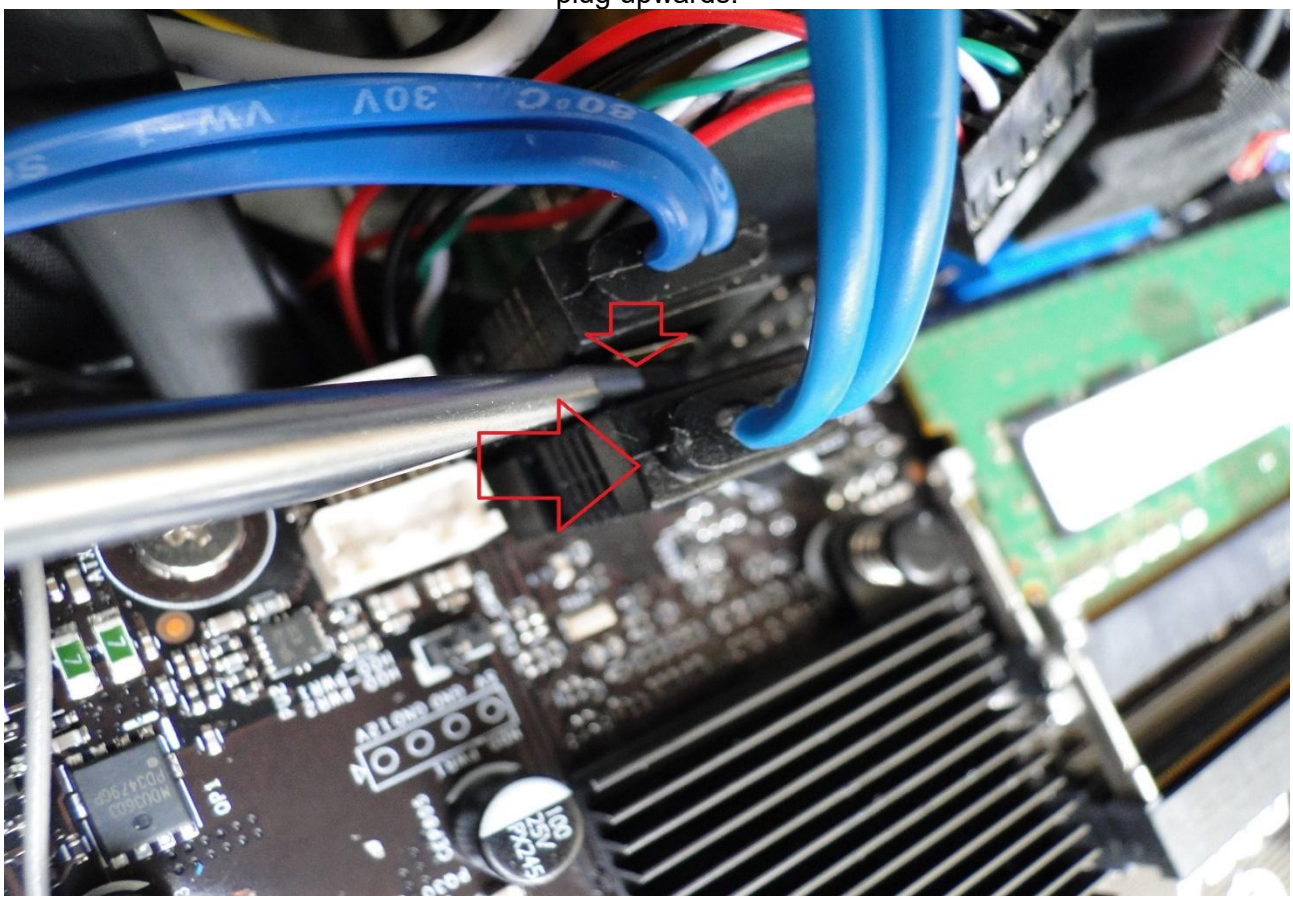
Removal of the 2.5” SSD power harness and the optical drive



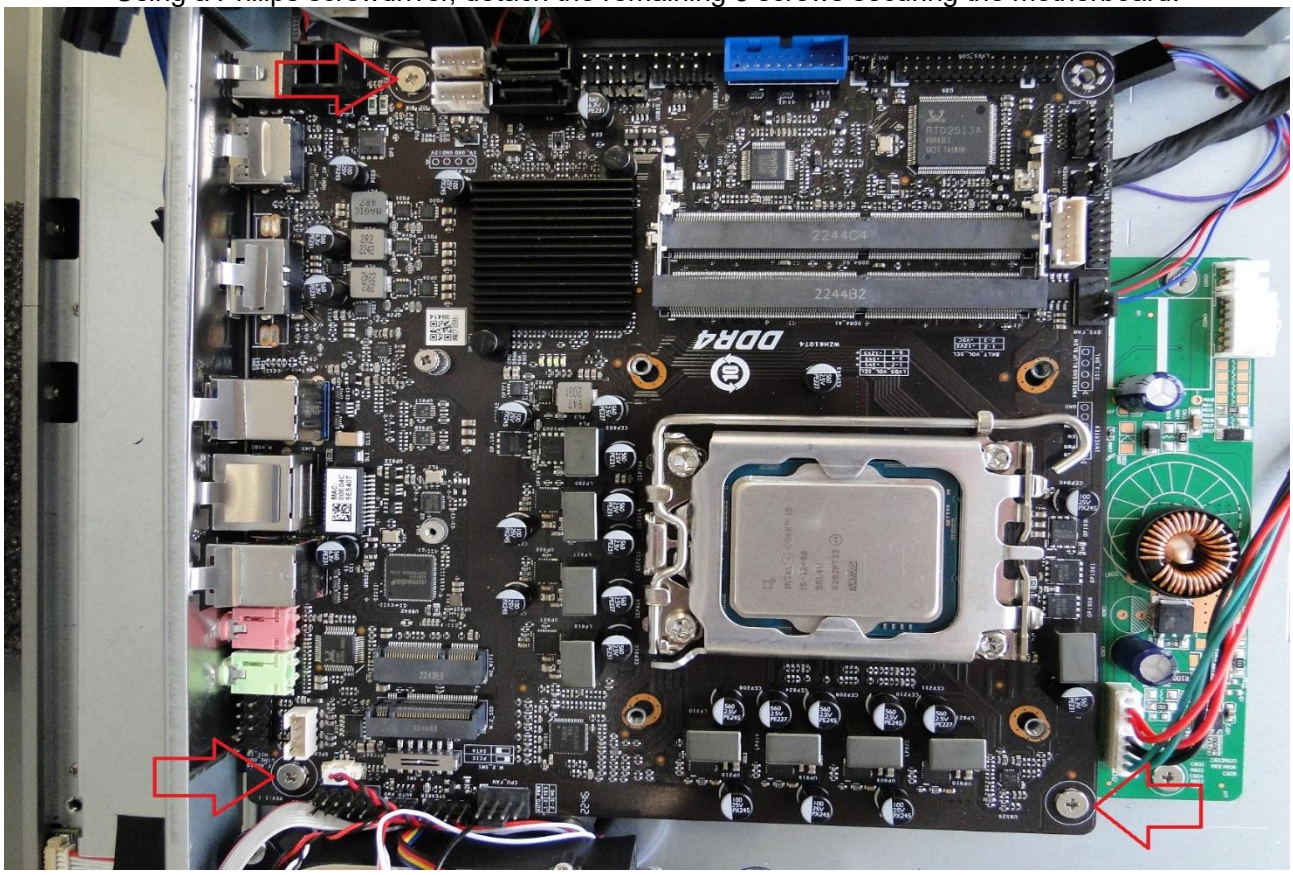
Removal of the SATA harnesses of the 2.5” SSD disk and the optical drive.
Attention. SATA signal cables have safety guards preventing spontaneous ejection.



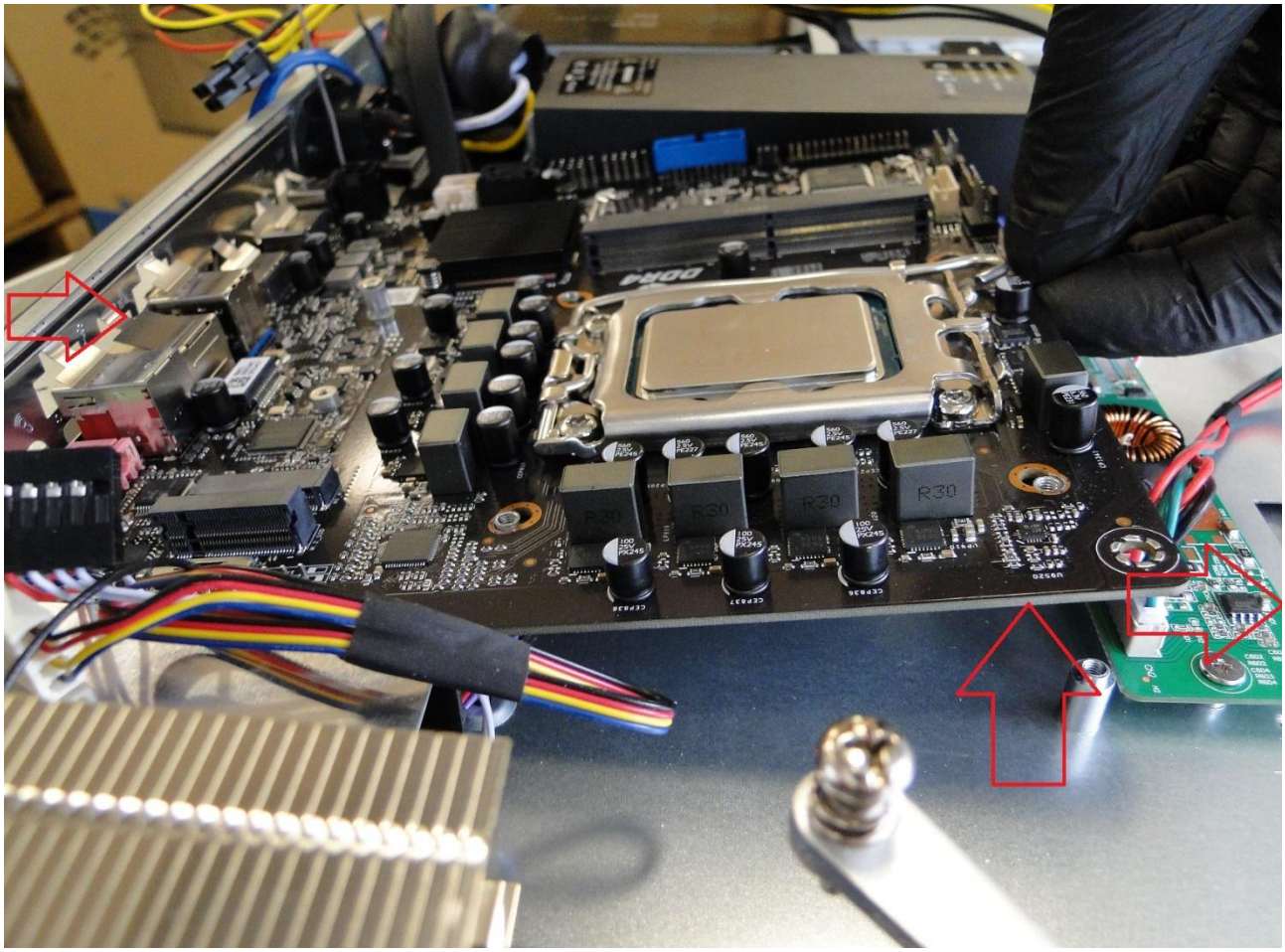
Using a flat screwdriver, press the lock release in the direction indicated by the arrow and pull the cable plug upwards.



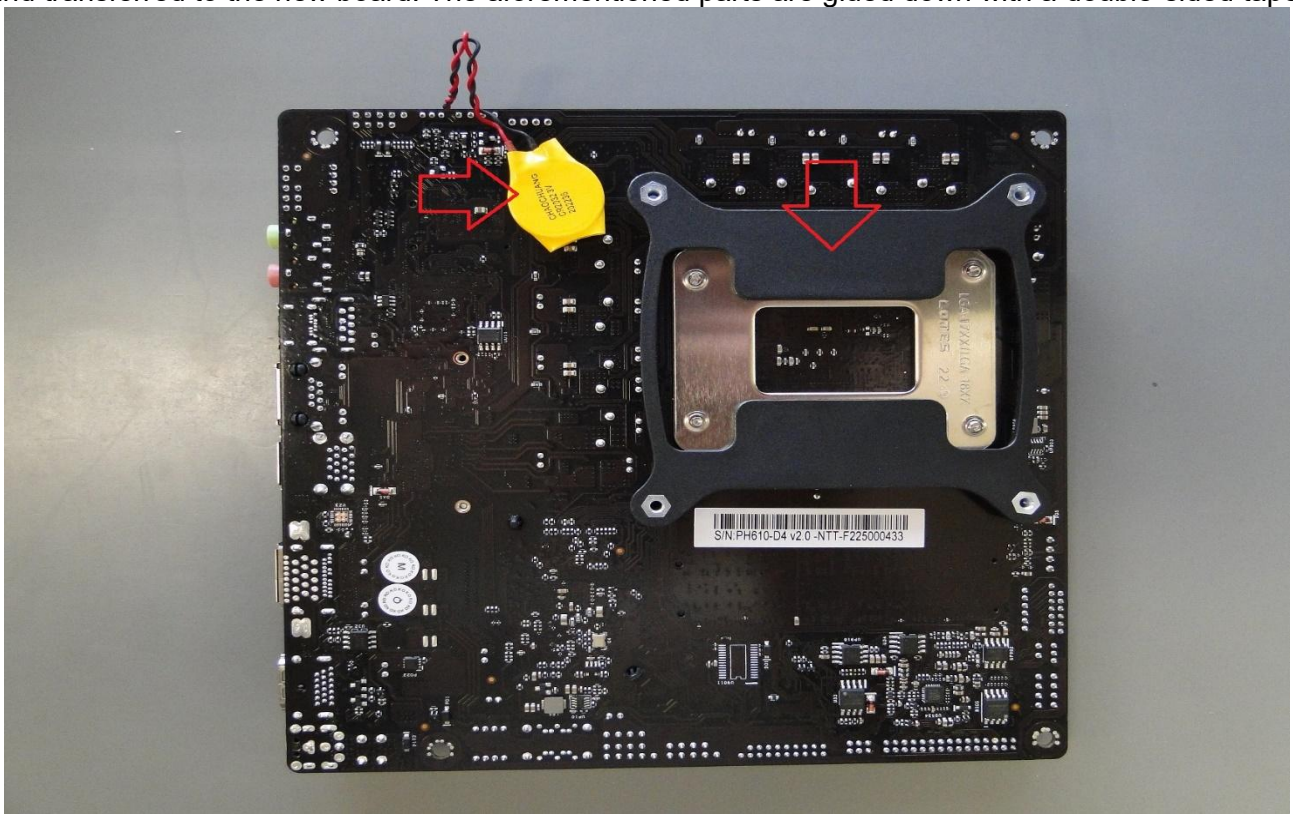
Using a Philips screwdriver, detach the remaining 3 screws securing the motherboard.

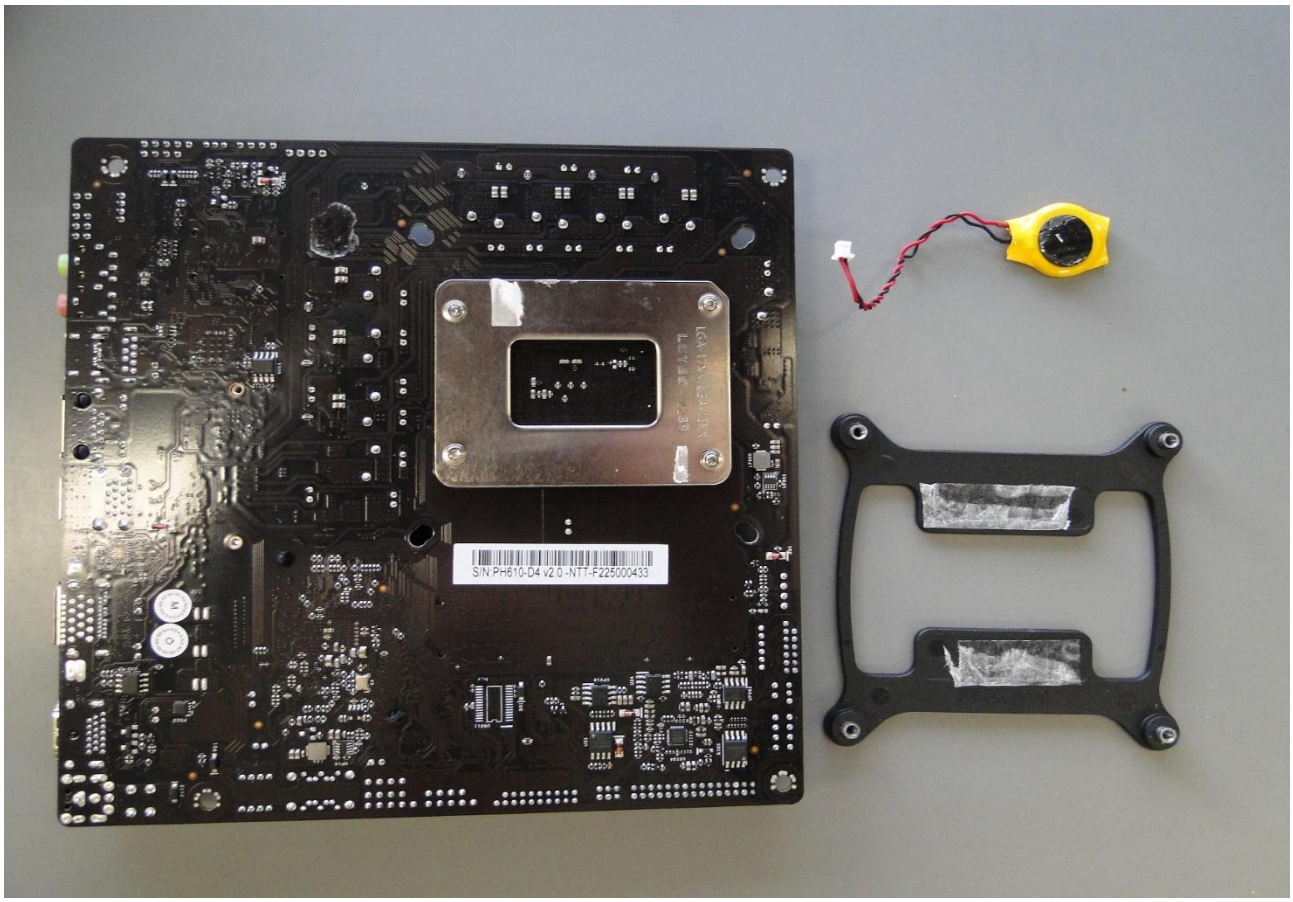


Lift the back of the board up and slide it out of the panel grille.



If the new board does not have a processor frame and a BIOS battery, these parts must be disassembled and transferred to the new board. The aforementioned parts are glued down with a double-sided tape.





In order to assemble the motherboard, carry out all the steps in a reverse order, paying close attention to the location of the mounting point, the alignment of the symmetrical points of the connectors and the orientation of the pins! Any damage resulting from faulty installation or improper wiring is not covered by the manufacturer’s warranty.