Fusion3

EDGE 3D Printer

TROUBLESHOOTING:
CHECKING THE MOTOR CONNECTORS
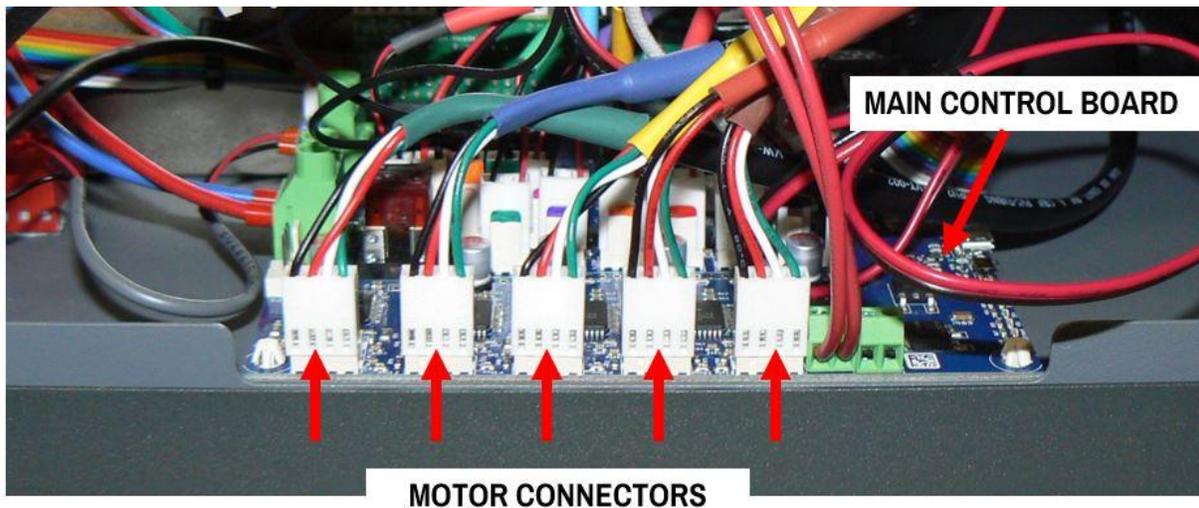**Revision 5/28/2022**

CHECKING THE MOTOR CONNECTORS

How to check the motor connectors & make sure they're fully seated
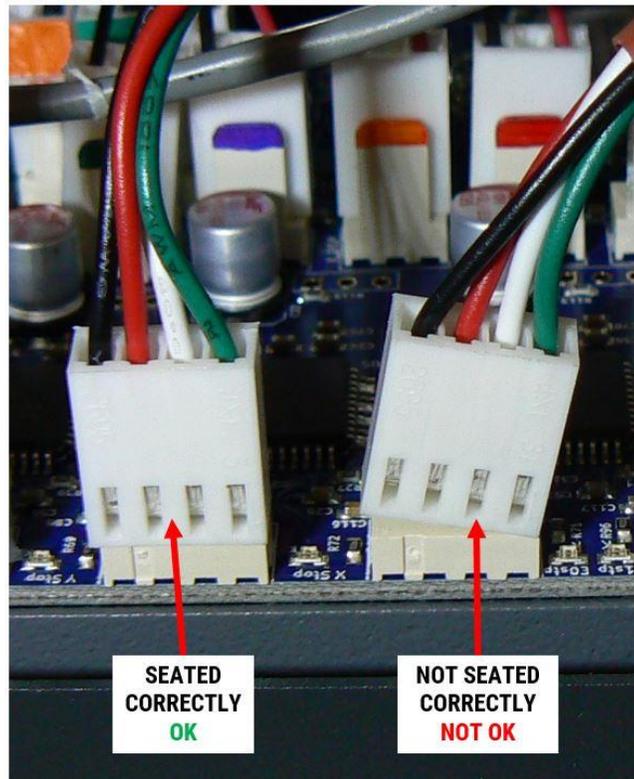
WHEN TO DO THIS

- If you're instructed to do so by Fusion3 Customer Support

- If you see "Phase disconnect" warnings regularly in the console
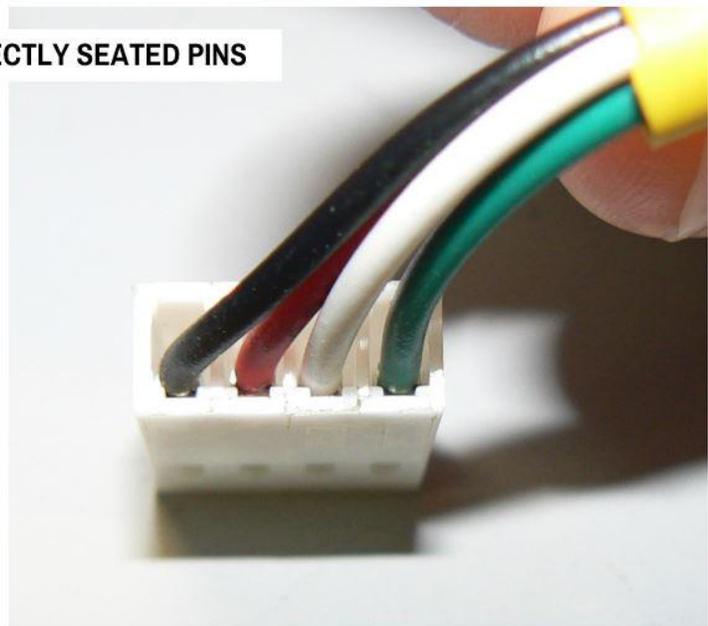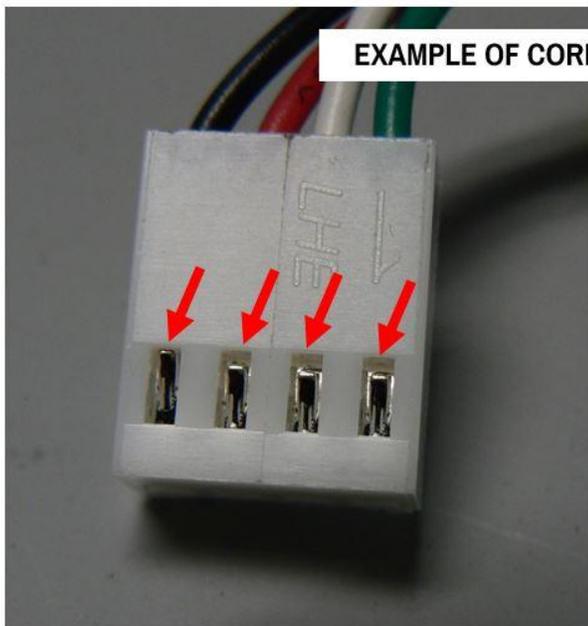
PROCEDURE

1. EDGE should be off and cold. Unplug the main power cord from the machine.

2. Remove the Electronics Bay service panel from the left side of the printer. (See "accessing the printer for maintenance" for more info)

3. Locate the main control board (PCB towards the rear of the electronics bay).

4. Locate the (5) motor connectors on the edge of the board closest to you. These have 4 wires each.
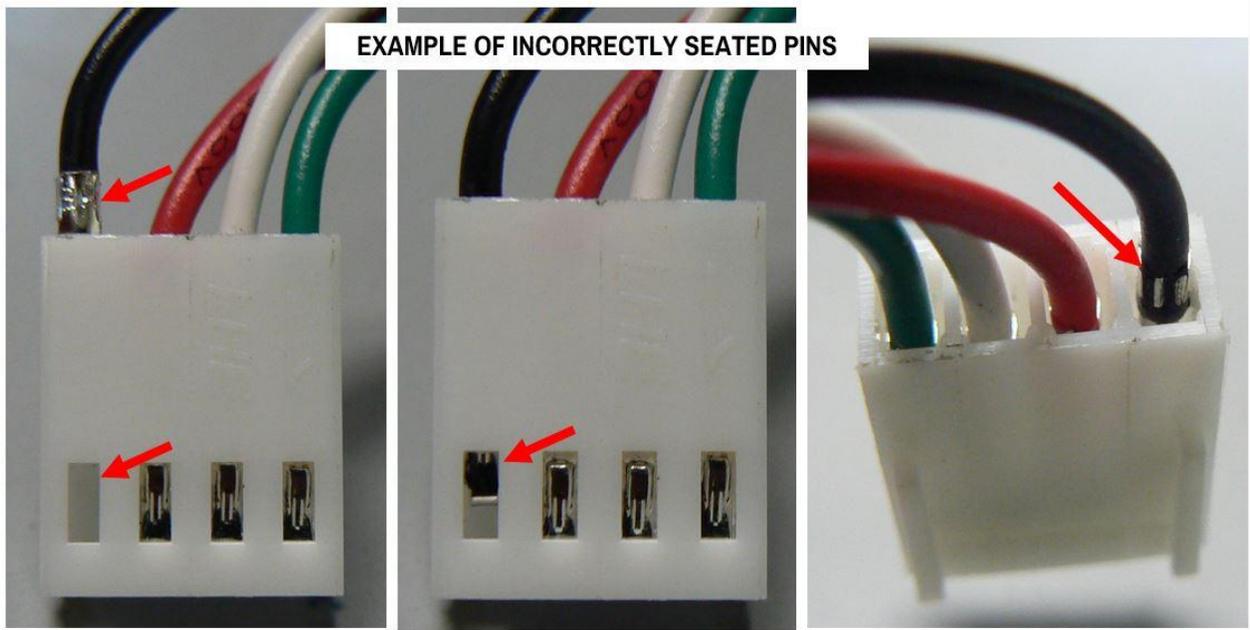
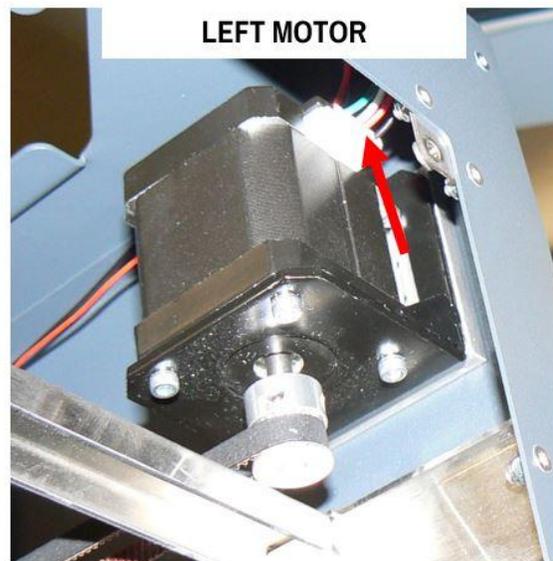5. Make sure the connectors are all firmly plugged in. Make sure they're fully seated, square, and not cocked
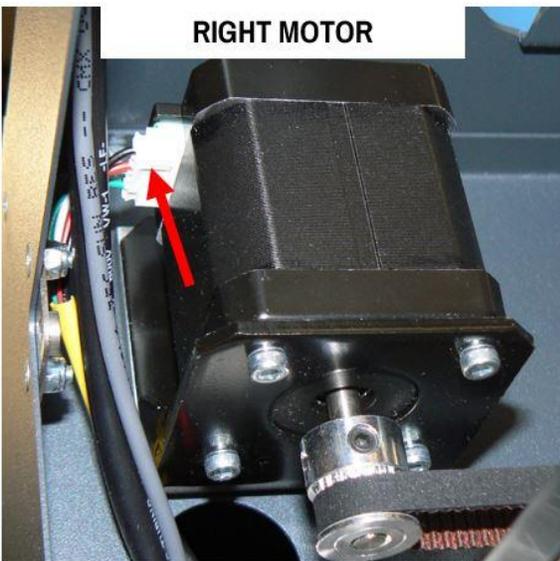

SEATED CORRECTLY OK

NOT SEATED CORRECTLY NOT OK

6. If needed, you can remove the connectors one at a time, and re-seat them.

7. Also make sure none of the pins in the connectors are coming out.

EXAMPLE OF CORRECTLY SEATED PINS

8. Now check the motor ends of the connectors. To see the X and Y motors you will need to remove the Rear service panel (see "accessing the printer for maintenance" for more info). These can be difficult to completely remove. But it's easier to use a soft tool like a black stick to make sure the connector is fully seated and all the pins look ok.

RIGHT MOTOR

LEFT MOTOR

9. Check the extruder and Z axis connectors as well.

EXTRUDER

Z AXIS