FELIX Tec 4.0 to Tec 4.1 Upgrade Kit

For Both Single and Dual head 3D printers

Upgrade manual





Chapter: Preparing Upgrade





Remove front cover



Remove cable ties

Tools:





Remove sleeve from cables.



Remove Z-sensor by removing nut.



Remove LED Strip carefully with tweezers.

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17 mm 빈

Tools:

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(2x) Remove M4 x 40 bolt. Tools:



Remove Front Bracket

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Lower extruder / fan bracket



Unplug motor cables



Write on each cable the corresponding motor number.

LEFT: 0 RIGHT: 1



Disassemble RIGHT fan assembly. Remove finger guard and fan duct.

Tools:

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Disassemble LEFT fan assembly. Remove finger guard and fan duct.





TOP: old bracket BOTTOM: new bracket

Place bolt and nut in new bracket.

Note: do NOT use old mover in combination with new bracket.



Assembly of NEW mover and bracket **Tools**: including M3 x 20 bolt.







place bracket with M3 x 6



(2x) Slide Dual fan into fan duct.

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Note: sticker on fan should face inwards.



Parts needed for fan duct assembly. Bolts: (4x) M4 x 16 (2x) M4 Nut:





Mount both fan duct assemblies to bracket. Double check wire orientation.

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Connect motor cables. LEFT: 0 RIGHT: 1



Place hot-end(s) in their sockets. Mount fan assembly after that. Lock tightly with M4 x 20 bolts.



Parts needed to assemble the z-sensor bracket.



Assemble z-sensor bracket as shown in the image.

The distance between bottom side of bracket and bottom of the sensor should be +/- 13 mm.



Mount front fan to z-sensor bracket with (2x) M4 x 16



Place a thin layer of glue onto the LED strip. **Tools: Glue** Use heat resistant glue up to at least 90°C

We use: Loctite 401

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Place LED Strip onto bracket.



Place Z-sensor assembly onto extruder.



Connnect Z-sensor assembly by tightning Tools: bolts.



(4x) Lock cables with cable ties.



Bundle heater + thermistor with cable ties. Note: do NOT bundle them with the other cables for easier maintenance in the future.

Cut off end of cable ties.

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Place back sleeve and tighten with cable tie.

Tools:



Cut off end of cable tie.

3



Move Z-sensor right above front adjustmentTools:wheel. A folded Calibration Card should fitCalibrationbetween sensor and wheel while nozzlesCalibrationtouch the plate.Card

You have completed the upgrade from FELIX Tec 4.0 to Tec 4.1.

Please proceed with all the calibration steps which are explained in the Quick Start Manual.

Are you experiencing issues or do you have any questions?

Please check <u>www.felixprinters.com/support</u> for more information or contact us at support@felixprinters.com