Difficulty	*Medium*
Steps	*51*
Time Required	*25 to 40 min*
Sections	*1*
Related Resources	***Quick Start Guide***

PRODUCT PAGE

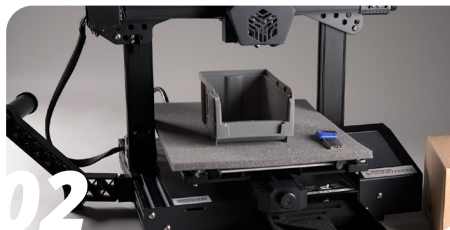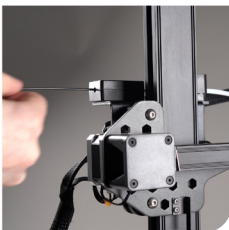|	
Required Tools	*1.5mm Hex Key*
	2mm Hex Key
	2.5mm Hex Key
	Wrench
	Utility Knife
	Multimeter
Stock Items Reused	*Toolhead PCB*
	4010 blower fan

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INSTRUCTIONS GUIDE

This guide is designed to be a reference manual for how to do install LGX® Lite Arrow for Creality. Follow the instructions below or, if you prefer to watch a YouTube video with the same instructions, use the provided link below or the YouTube icon to the right:
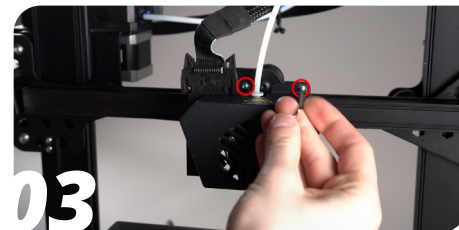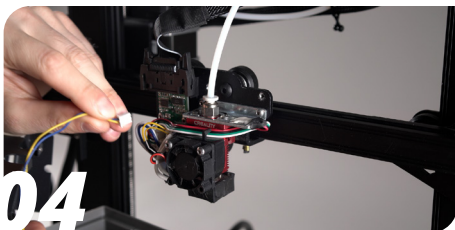
https://youtu.be/8Jp42xzmpOo

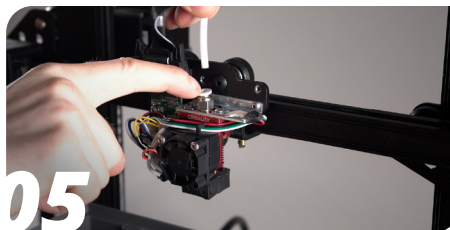**01** Open the filament release lever and unload any filament.

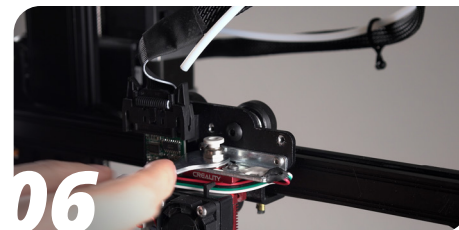**02** Prepare your work area with something to cover the bed, a container and a set of hex keys.

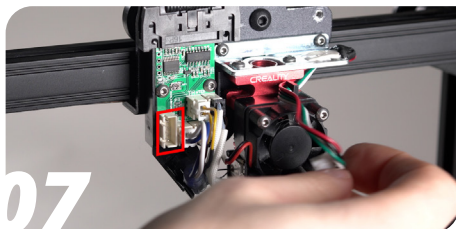**03** With a 2mm hex key, undo the two M3 BHCS screws holding the cowling to the x-carriage.

04 Remove the cowling and disconnect the fan from the toolhead board.
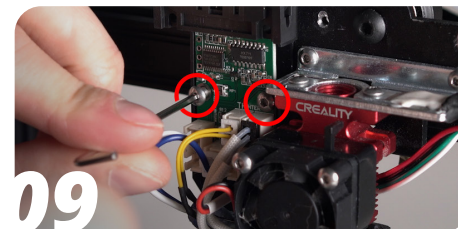
05 Remove the bowden tube from the hotend.

06 Remove the push fit coupler from the hotend using the wrench from the printer tools.
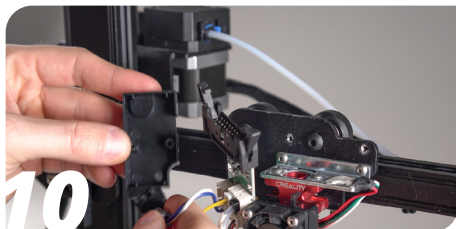
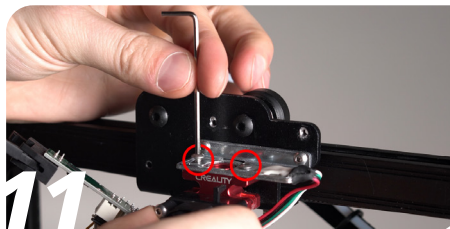**07** Disconnect the bed leveling sensor from the toolhead board.

08 Disconnect the toolhead bus cable.

09 With a 2mm hex key, undo the M3 BHCS screws holding the toolhead board.

10 Discard the plastic backing for the toolhead board.
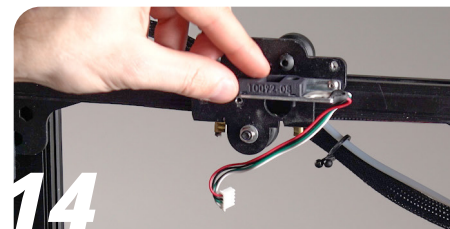

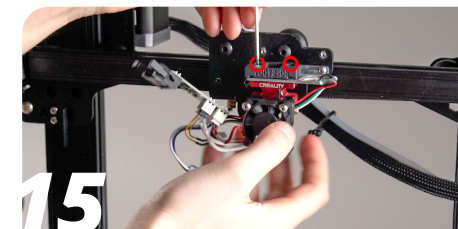**11** With a 2mm hex key, undo the M3 BHCS screws holding the hotend.

12 With a 2mm hex key, undo the M3x25 Low Profile screw going into the Arrow hotend mount.

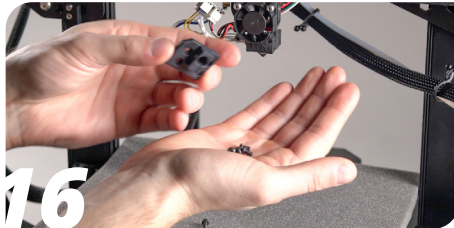**13** Separate the Arrow hotend mount from the Arrow extruder mount.

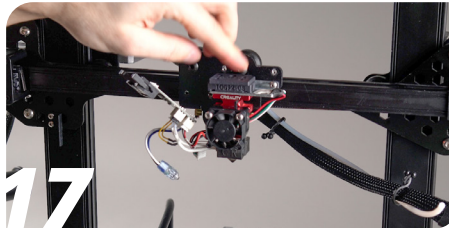**14** Add the Arrow hotend mount to the top of the bed leveling sensor.

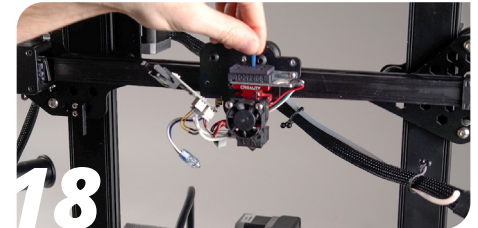**15** Add the hotend under the bed leveling sensor and fasten them together using a 2mm hex key.
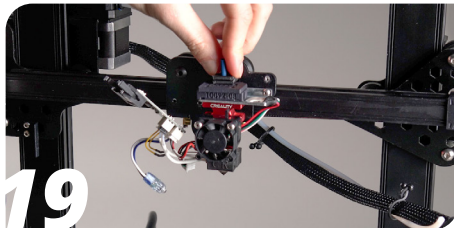
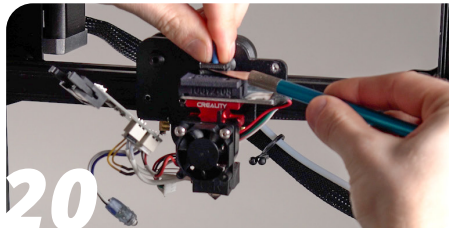**16** Remove the four M3x8 BHCS from the extruder mount.

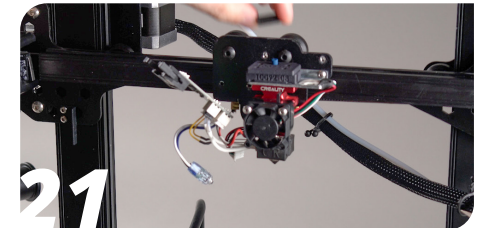**17** Add the extruder mount to the hotend mount.

18 Push the piece of included PTFE tube all the way down.

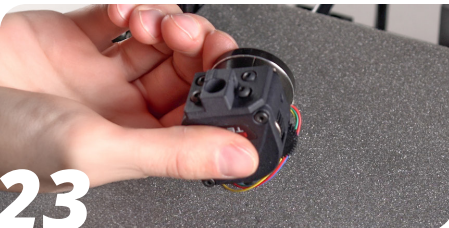**19** Add the PTFE cutting jig and push it all the way down.

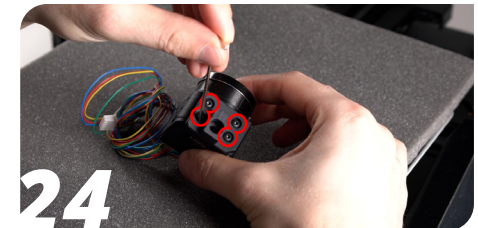**20** With a thin blade, cut the PTFE in the jig slot.

21 Remove the jig and the extruder mount.

22 Add back the four M3x8 BHCS to the extruder mount.

23 Add the extruder mount to the bottom of the LGX Lite.

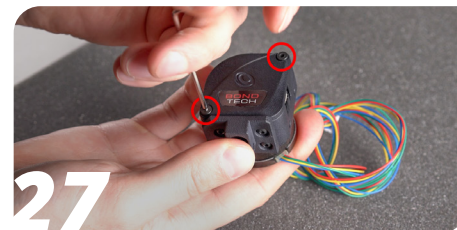**24** Tighten the screws using a 2mm hex key.

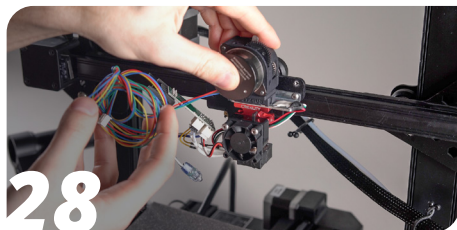**25** Undo the two extruder screws using a 2mm hex key.

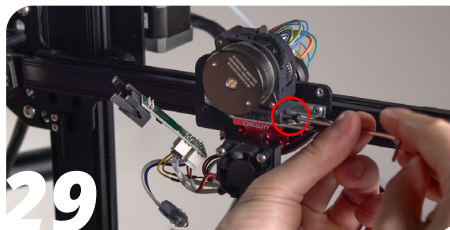**26** Rotate the motor 180 degrees until the wires point down to the right.

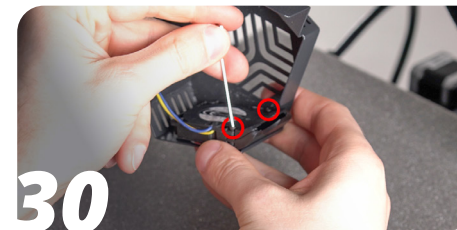**27** Fasten the screws again.

28 Add the extruder assembly to the hotend mount.

29 Fasten the M3x25 Low Profile screw using a 2mm hex key.

30 Undo the screws holding the part cooling fan using a 1.5 mm hex key.
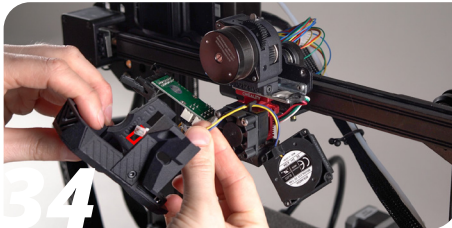

31 Remove the fan from the cowling.

32 With a 2.5mm hex key, undo the M3x16 SHCS holding the cover.
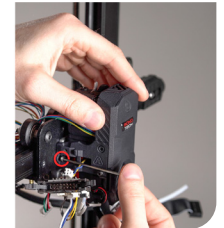

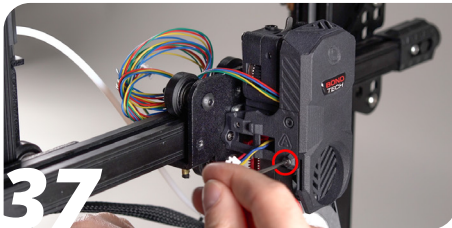**33** With a 2mm hex key, undo the M3x8 BHCS holding the fan shroud.

34
Route the fan wire through the forward slot in the left housing.

35
Add the remaining housing assembly to the x-carriage.

36
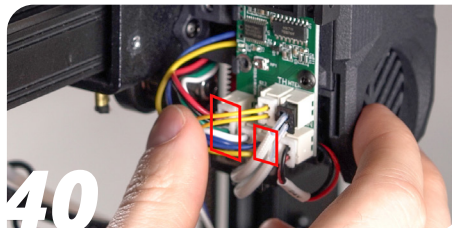Fasten two M3x8 BHCS through the housing to the x-carriage using a 2mm hex key.

37
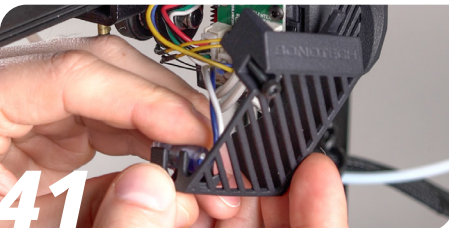Undo the M3x8 BHCS in the left housing with a 2mm hex key.

38
Add the toolhead board to the Arrow.

39
Add one M3x8 BHCS back through the toolhead board and fasten with a 2mm hex key.

40
Reconnect the bed leveling sensor and part cooling fan.

41
Add the LED to the cover.

42
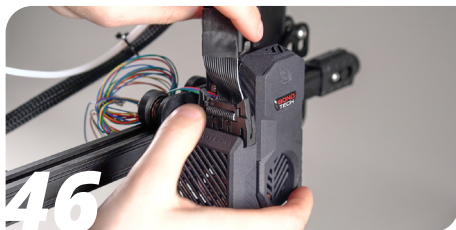Add the cover back on.

Fasten the M3x16 SHCS with a 2.5mm hex key.

Add the 4010 part cooling fan to the fan shroud with a satisfying CLICK.
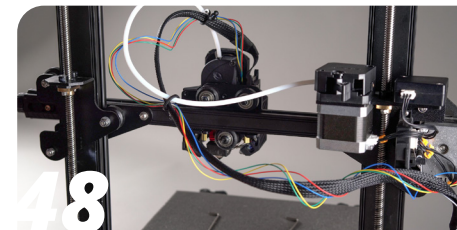

Fasten it with the M3x8 BHCS and a 2mm hex key.
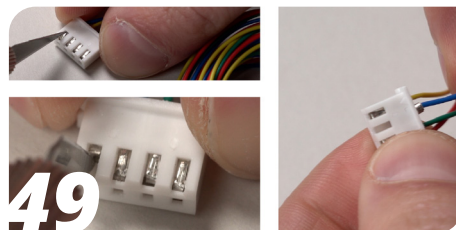

Reconnect the toolhead bus cable.

Insert the bowden, now reverse bowden.
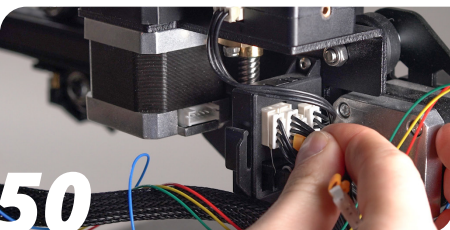

Route the extruder motor wiring to the stepper motor connector board.
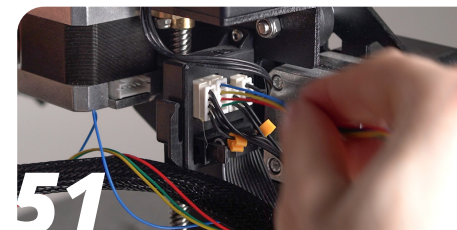

With something small and sharp, extract the blue and yellow pin like shown here and swap them.

Disconnect the old extruder motor wires.

Connect the LGX Lite and it's done! Check the Quick Start for settings and current adjustment.

TAKE GOOD CARE OF IT

Every 6 months, or sooner if you have a higher than 15h per week average usage, perform the following maintenance operations:

1. With a tooth brush and alcohol:
    a. Clean the needle bearings
2. With a fine brush and lubricant
    a. Lubricate the needle bearings
3. With compressed air
    a. Blow the housing plastic parts to remove dust and dirt particles

HOW TO GET HELP

We are available to help you with any questions or issues you may have. Simply go to our website where you can access our customer support and send us your questions or follow the provided link:

https://www.bondtech.se/contact/#tab_technical-support-requests

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