

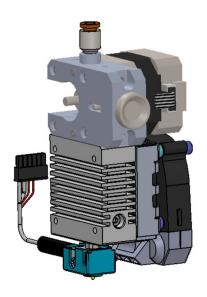
Title	E3D V6
Models	Bolt Pro
Version	1.1
Revision date	2019-09-09
Expected duration	20 minutes

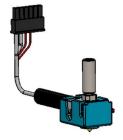
## Description

This manual will describe how the E3D V6 hot end can be used with the Leapfrog Bolt PRO. The hot end is responsible for melting filament so it can be extruded.

- How to assemble the E3D V6 hot end
- How to install the E3D V6 hot end
- How to hot-tighten the E3D V6 hot end

\_

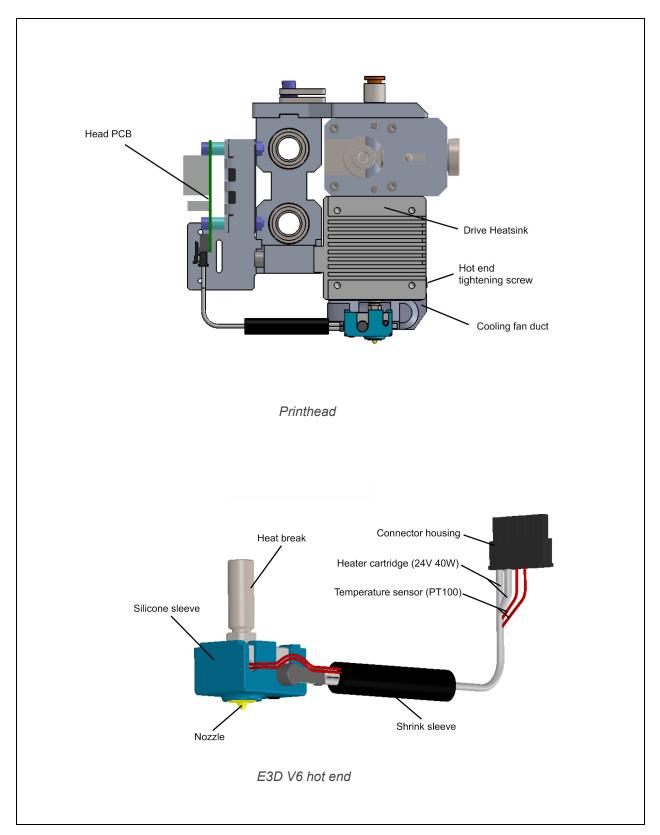




Printhead

E3D V6 hot end







Step 1	How to assemble the E3D V6 hot end	
a.	Screw Nozzle into the Heater Block into the end closest to the thermistor holes. Unscrew the Nozzle a 1/4 to a 1/2 turn.  Please note how the aluminium block is orientated in relation to the nozzle.	
b.	Screw the Heat Break into the other side of the Heater Block so it is butts up against the nozzle.	
C.	Gripping the Heat break with a spanner, tighten the Nozzle with a torque wrench This will tighten the nozzle against the Heat break and ensure that your hot end does not leak. Aim for 2-3Nm of torque on the nozzle - this is about as much pressure as you can apply with one finger on a small spanner.	
	It is recommended to hot-tighten newly assembled hot ends. when the hot end is installed and pre-heated to a temperature of 230 °C.  This should be done prior to loading filament. This will ensure a closed seal between heat break and nozzle.  Consult step 3. This step will therefore be repeated.	



d. This step will describe how the heater cartridge and temperature sensor can be installed. We recommend having the wiring of left printhead facing left and wiring of right printhead facing right.

please take this into consideration when inserting the heater cartridge and temperature sensor.

## Heater cartridge

Tighten the clamping portion of the heater block around the heater cartridge with the longer M3x10 screw. you should be able to see very slight deformation of the heater block clamp as it wraps around the cartridge for maximum thermal contact.

## **Temperature sensor**

heater block and use the supplied M3 grub screw to fix the cartridge into place. Tighten the grub screw until it just touches up against the cartridge, then do one more half turn. It is important not to over-tighten the screw against the relatively soft copper cartridge.

Simply slide the sensor cartridge into the



Hot end - **right** printhead (wiring inserted **right**)



Hot end - **left** printhead (wiring inserted **left**)

