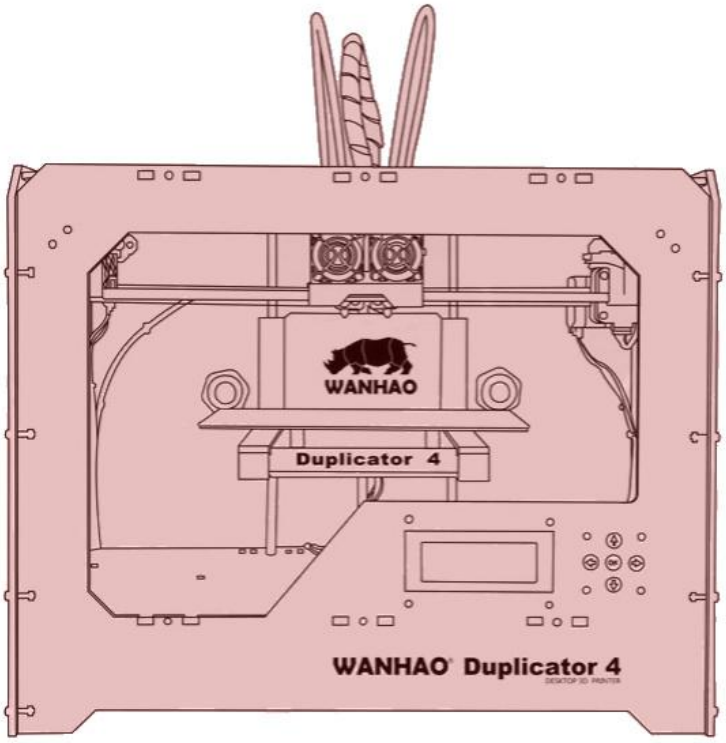
WANHAO USA

Quick Start Guide

Wanhao Duplicator Models 4 and 4X



© 2014 Wanhao USA, Inc. ~ All Rights Reserved ~ www.wanhaousa.com ~ V2.6

Table of Contents

Table of Contents

Reference Page: Screw Size & Type Chart

Pages 1–2: **Unpacking Printer & Attaching The Dual Extruders Assembly**

Pages 3–4: **Attaching Filament Holders & Filament Guide Tubes**

Page 4: **Downloading Software**

Page 5: **Duplicator 4X Accessories Instructions (Unpacking & Assembly)**

Page 6: **Side Panels Attachment**

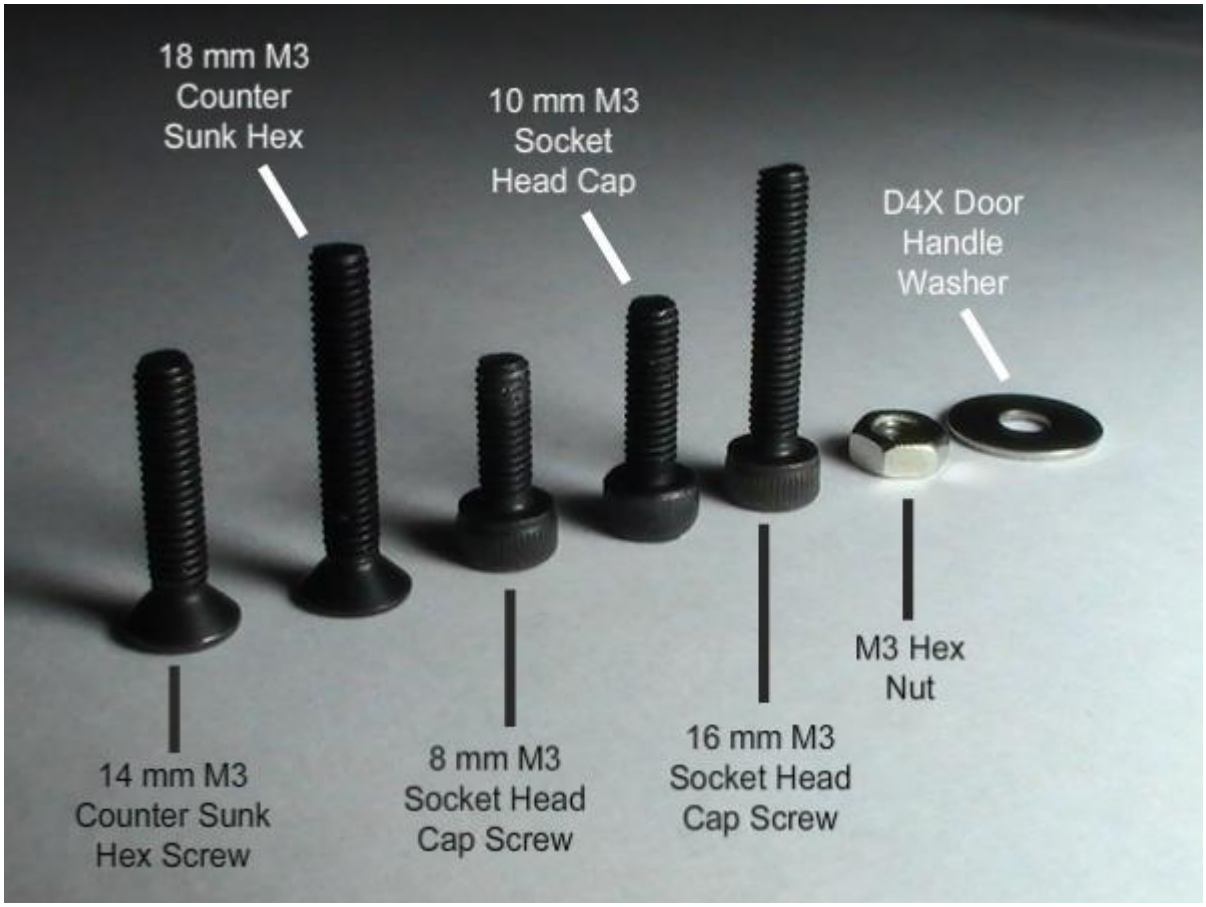
Pages 6–8: **Door Panel Attachment (Door Handle and Hinges)**

Page 8: **Hood Assembly**

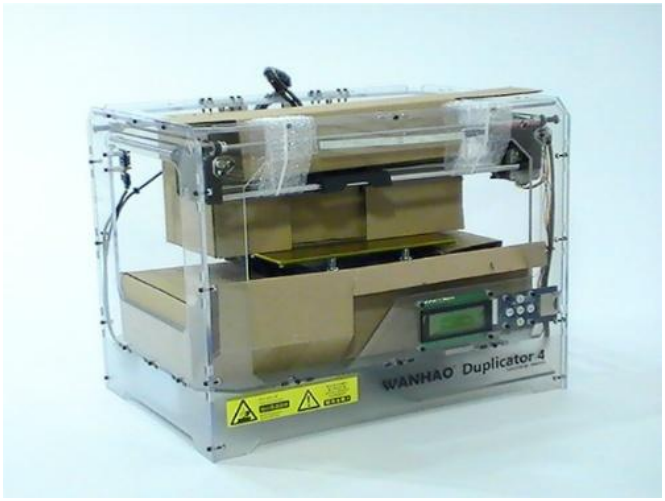
Page 9: **Completion**

Page 10: **Contact & Support**

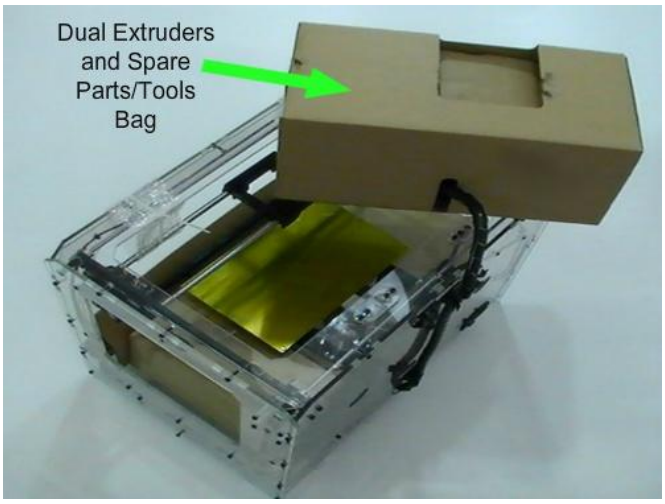
Screw Size & Type Chart



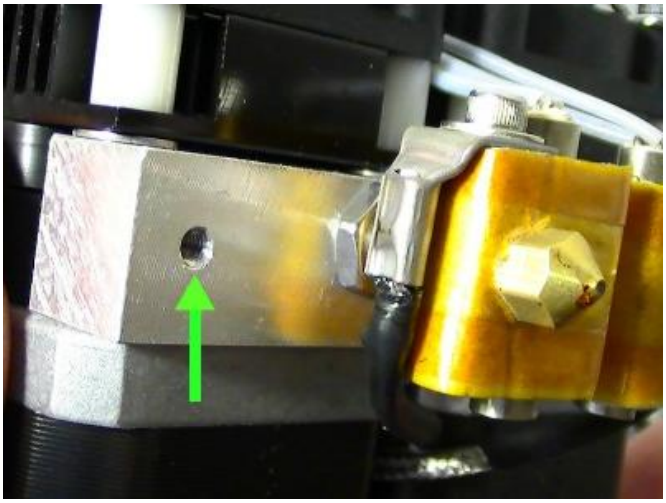
*Note: Once setup is complete you will have several extra screws left over.



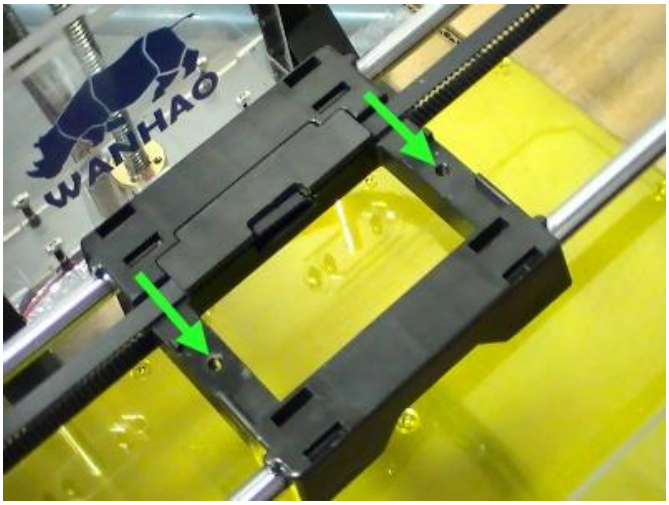
(1)
Unpack printer



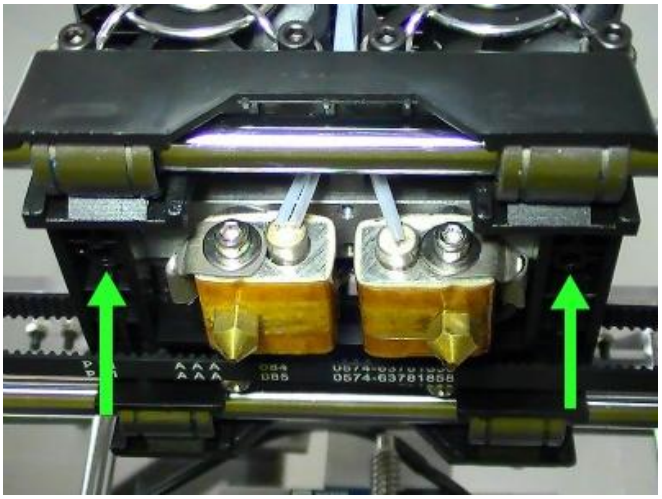
(2)
Locate the extruder assembly inside of the cardboard box with the protruding black spiral cable wrap. Extruder screws and tools are in the spare parts/tool bag next to the extruder assembly.



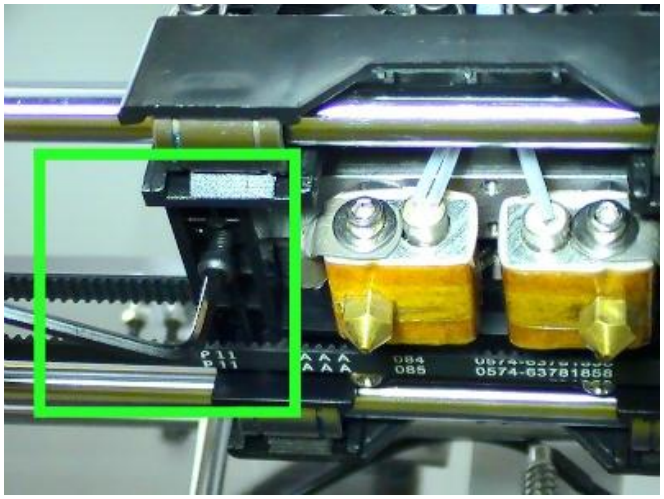
(3)
Locate the screw entry holes on the bottom of
the metal bar holding together the extruder assembly.



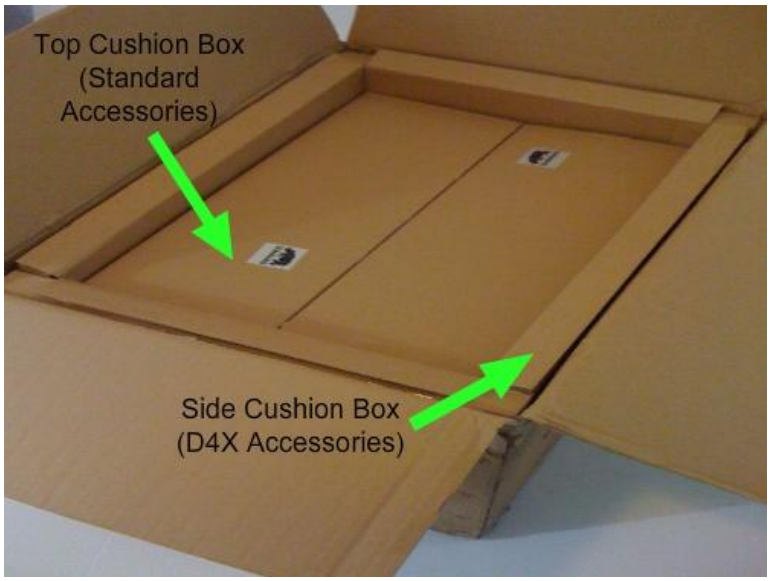
(4)
Place the extruder assembly on top of the extruder carriage so that the screw entry holes under the extruder assembly are directly in-line with those on the extruder carriage. The fans on the extruder assembly should be facing towards the front of the printer.



(5)
Locate the two screw entry holes on the bottom of the extruder carriage.

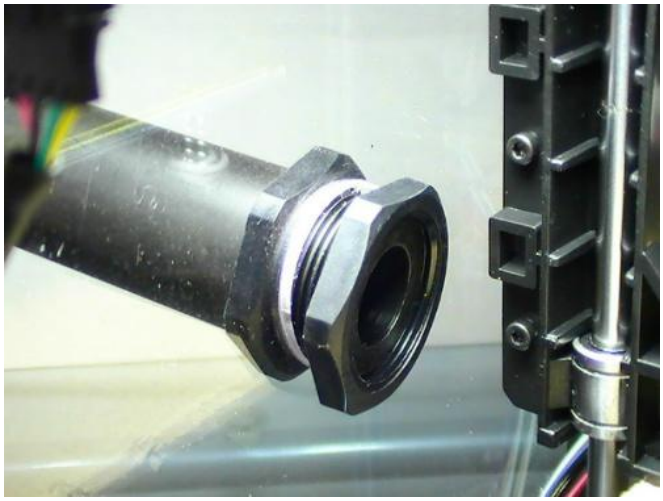


(6)
Use the largest hex key tool (there are three different sizes) provided in the spare parts/tool bag to screw two 8mm M3 Socket Head Cap Screws from the bottom of the carriage through to the aluminum extruder assembly bar. The screws should be tightened to hold the extruder assembly in place.

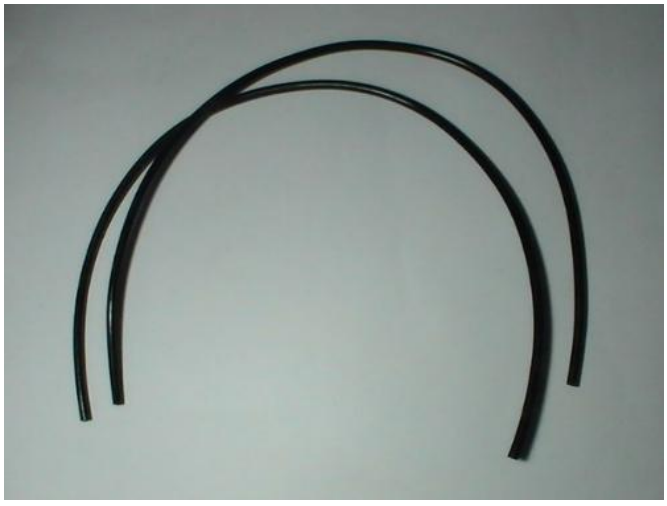


(7)
Locate and identify the Top Cushion Boxes and the Side Cushion Boxes. All Accessories for your 3D printer will be found in these boxes.

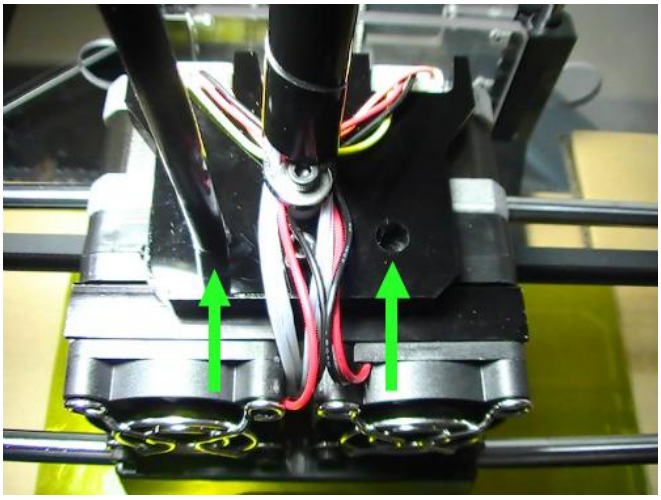
(8)
Locate both filament roll holders inside one of the two *Top Cushion Boxes*.



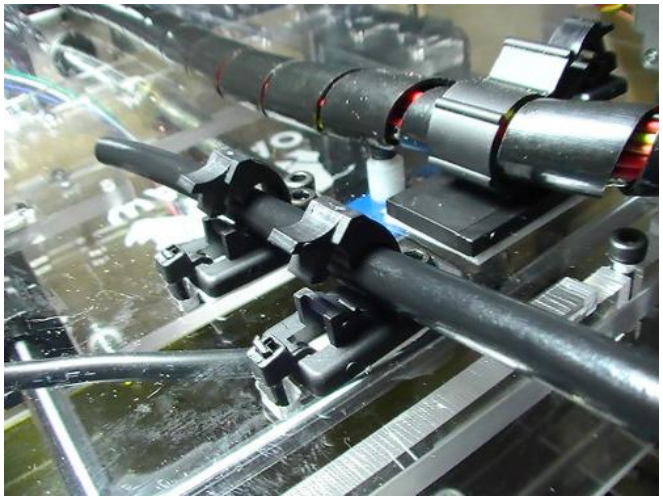
(9)
Attach filament roll holders to printer by screwing off one cap from the holder shaft, inserting the holder shaft through the back of the printer, and using the loose cap to secure the holder from the inside of the printer. Repeat steps for second holder.



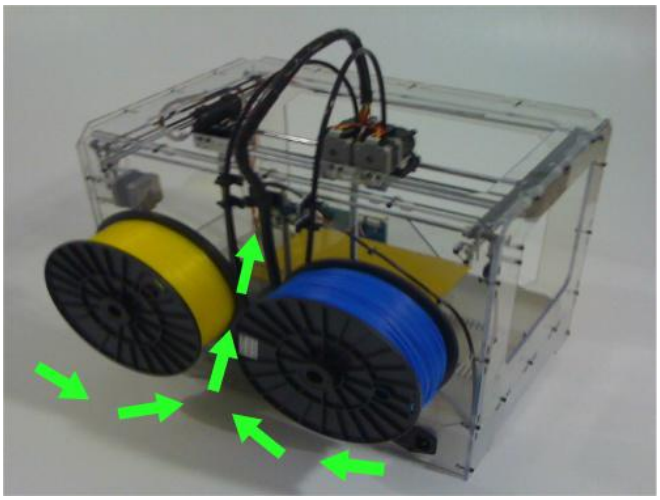
(10)
Locate both filament guide tubes inside one of the two *Top Cushion Boxes*.



(11)
Attach filament guide tubes to the holes on the top of the extruder assembly plate (black plate holding the top of the extruder assembly together).



(12)
Feed filament guide tubes back through the guides on the back of the printer.

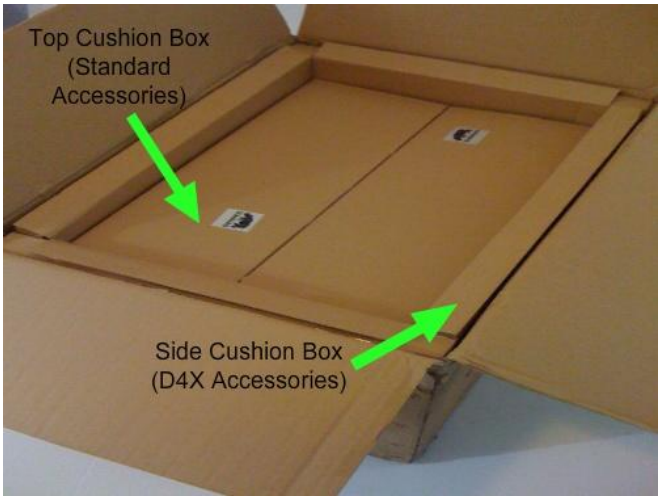


(13)
Unscrew rear filament holder caps and load filament rolls. Your filament will run upwards and through the filament guide tubes to the extruder assembly.

If you purchased a Standard D4 model you have finished Setup. Go to the “Download Software” section of www.wanhaousa.com or www.wanhao3dprinter.com to download the ReplicatorG software for your Wanhao Duplicator 4 & 4X.

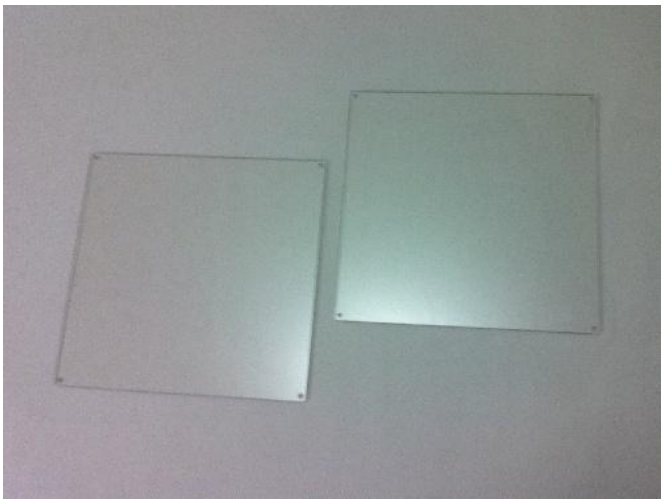
Please go to www.replicat.org after you have downloaded the software to learn how to use ReplicatorG. If you purchased a D4X model please continue with the guide.

Duplicator 4X Accessories Instructions

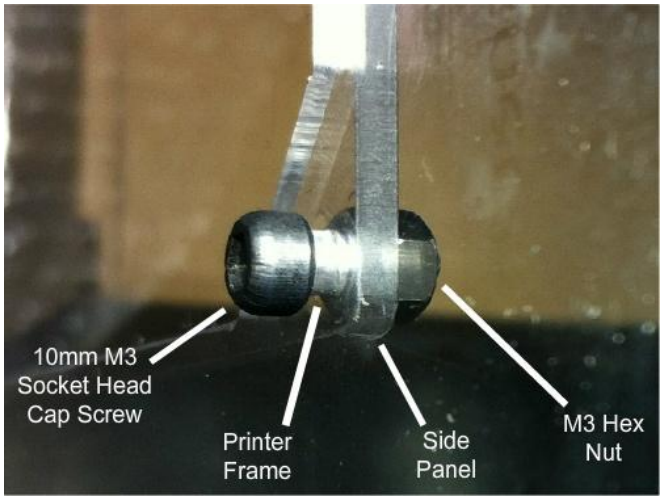


(14)
Locate and identify the Top Cushion Boxes and the Side Cushion Boxes. D4X Accessories for your 3D printer will be found in the *Side Cushion Boxes*.

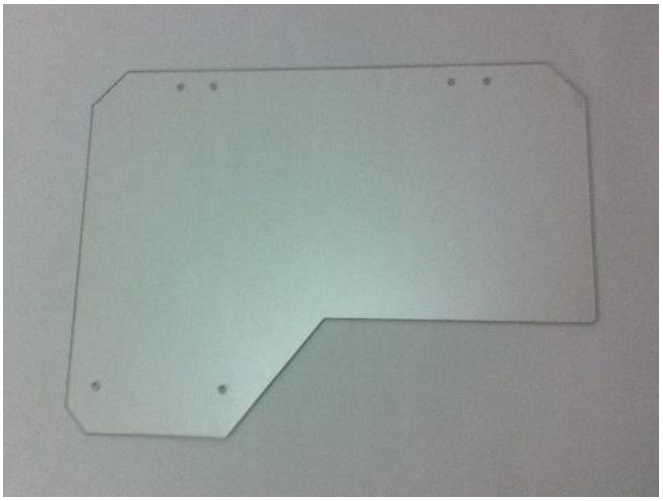
(15)
Un-box D4X Accessories and unwrap from protective foam envelope. Separate door and side panels from hood parts. Locate screws/door hardware bag (bagged together with your D4X door handle and hinges hardware inside the *Top Cushion Boxes*) and separate screws by size.



(16)
Locate both side panels.

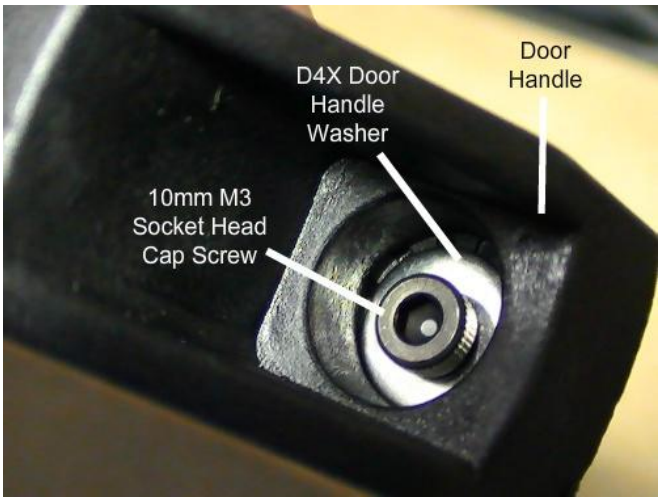


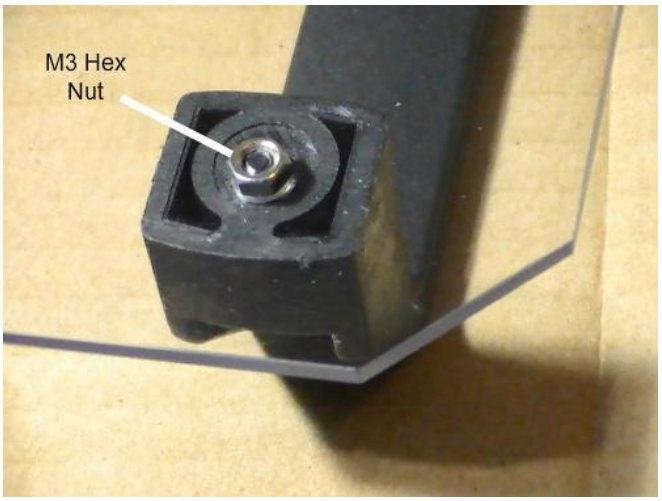
(17)
Side Panel Attachment: Line up side panels with holes on side of printer frame (panels go on the inside of the printer frame) and use (4) 10mm M3 Socket Head Cap Screws and (4) M3 Hex Nuts to attach each side panel to the printer frame.



(18)
Locate door panel.

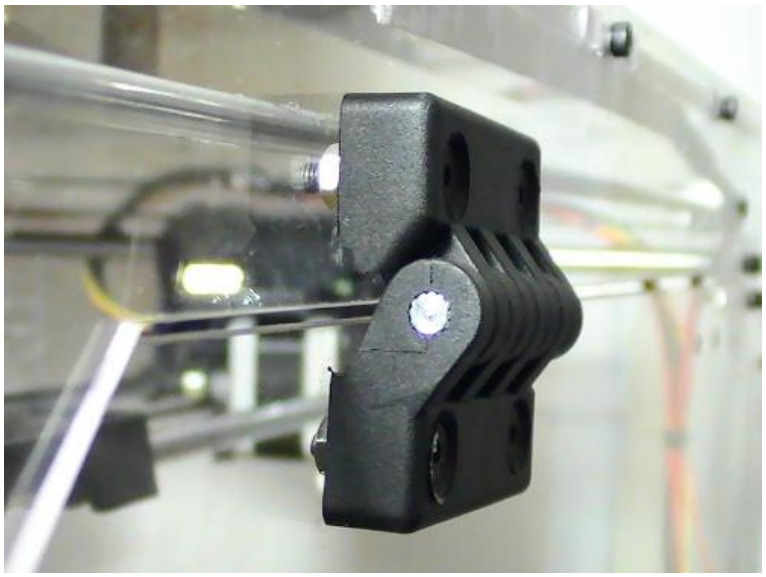
(19)
Locate D4X door handle and hinges hardware inside one of the two *Top Cushion Boxes*.





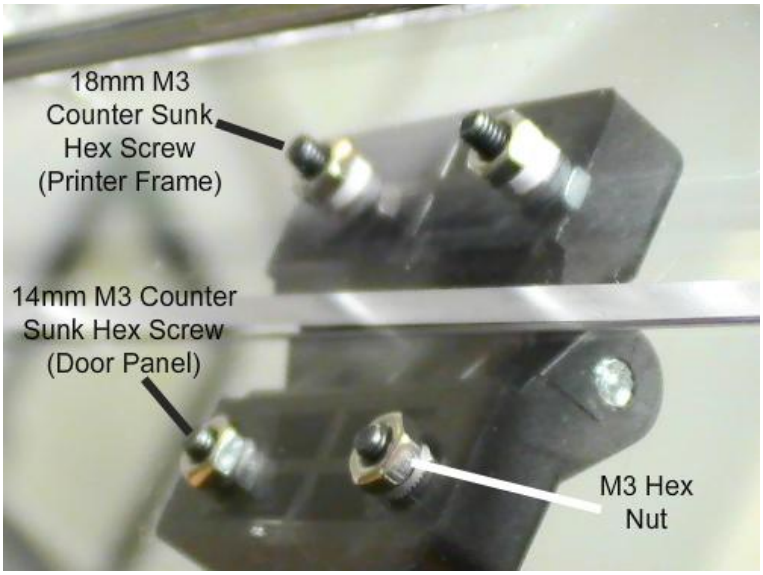
(20)

Door Handle Attachment: Attach door handle onto clear door panel by inserting a 10mm M3 Socket Head Cap Screw through a D4X Door Handle Washer > then the door handle > then the clear door panel and secure onto clear door panel with an M3 Hex Nut on the backside of the clear door panel. Repeat for the other door handle screw entry.



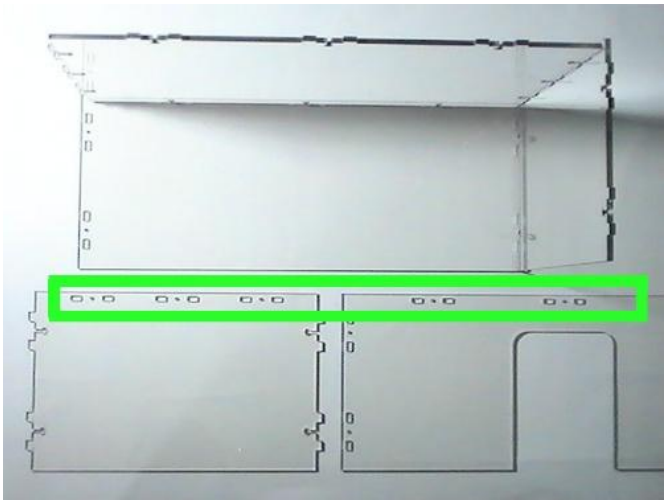
(21)

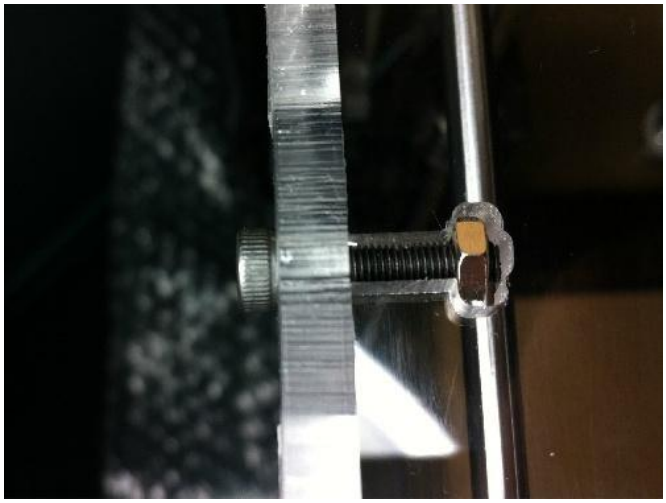
Door Hinge Attachment: Attach door hinges to the clear door panel by inserting a 14mm M3 Counter Sunk Hex Screw through the bottom two entries of each door hinge > then the clear door panel entries and secure with an M3 Hex Nut on the backside of the clear door panel. Repeat for all four bottom hinge-to-door panel entries. Remember, this step is only to attach the hinges to the swinging door panel. The top side of the hinges should not be attached to anything until the next step. *Note: You will need to use the middle size Hex Key Tool to screw in the Counter Sunk Hex Screws.



(22)

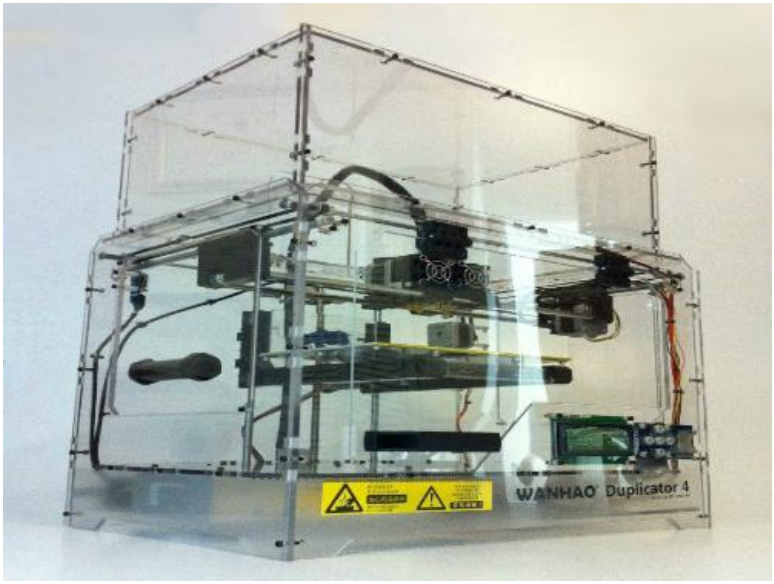
Door-to-Frame Attachment: Once the door panel is assembled, secure the door hinges to printer frame by inserting an18mm M3 Counter Sunk Hex Screw through the top side open holes of the door hinges > then the printer frame and secure with an M3 Hex Nut on the backside of the printer frame. Repeat for all four top hinge-to-frame entries. *Note: You will need to use the middle size Hex Key Tool to screw in the Counter Sunk Hex Screws.





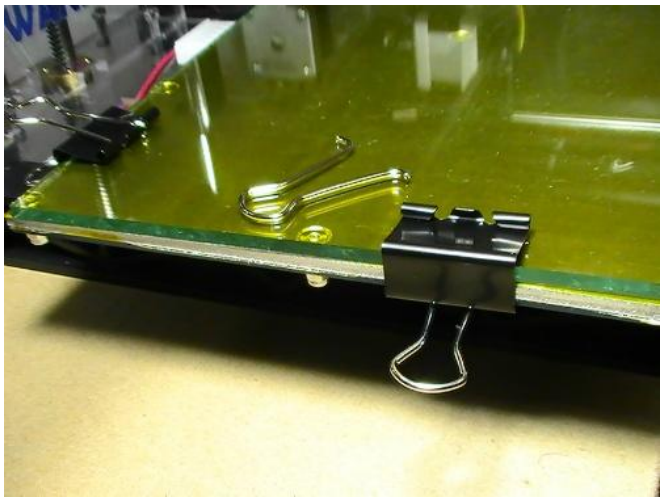
(23)

Hood Assembly: Line-up hood parts with all of the slots/holes adjacent to each other. Assemble hood together before screwing into place. Insert a 16mm M3 Socket Head Cap Screw through the outer panel screw entry > then the corresponding inner panel entry and secure each screw with an M3 Hex Nut. Repeat until all entries are secured.



(24)
Once hood assembly is complete, place hood on top of printer frame with the cable opening on the hood facing the rear of the printer.

(25)
Locate the Glass Plate and Binder Clips inside one of the two *Top Cushion Boxes*.



(26)
Place the glass plate on top of the build platform and clip it in place by putting a binder clip over the glass and the bottom of the build platform. Before printing remove the silver handles on the binder clips so that they do not interfere with any moving parts.

Setup is now complete.

Contact & Support

Technical Support:

support@wanhao3dprinter.com

Message Boards:

Google Groups Message Board: WanHao Printer 3d

Where To Purchase Filaments & Replacement Parts:

www.wanhaousa.com

© 2014 Wanhao USA, Inc. ~ All Rights Reserved ~ www.wanhaousa.com ~ V2.6