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What

Support Center

What can we help you with?

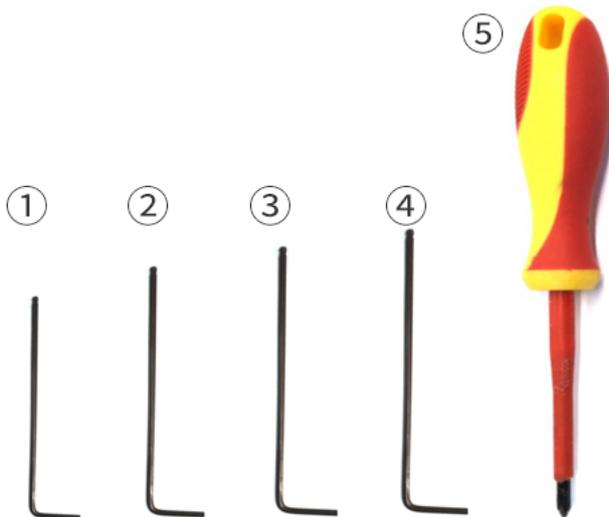
Home (<https://support.raise3d.com/>) > Pro2 Series > Repair > How to Replace the X Sha...

• Replace X Shaft Coupler

[Manual Pro2 Series - 48 Replace X Shaft Coupler-V1.0]

Tools:

- ① 1.5mm wrench
- ② 2mm wrench
- ③ 2.5 mm wrench
- ④ 3 mm wrench
- ⑤ Phillips head screw driver



1. Unload filament

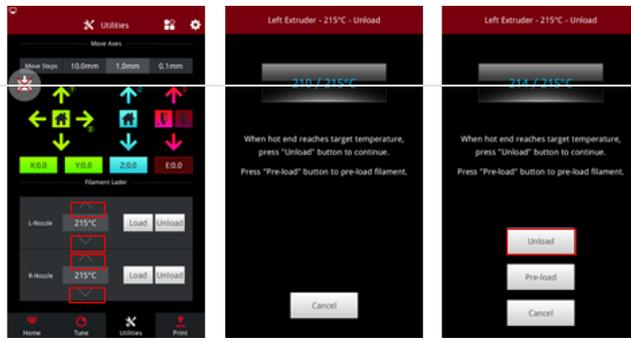
- In the 'Utilities' tab, verify that the temperature is set for your material. (215°C for Raise3D PLA)
- Use the arrows to adjust the temperature if required. Press the 'unload' button to begin.
- The printer will begin to heat up to the designated temperature. Once the temperature is reached the Unload button will become available
- Press Unload to withdraw the filament.





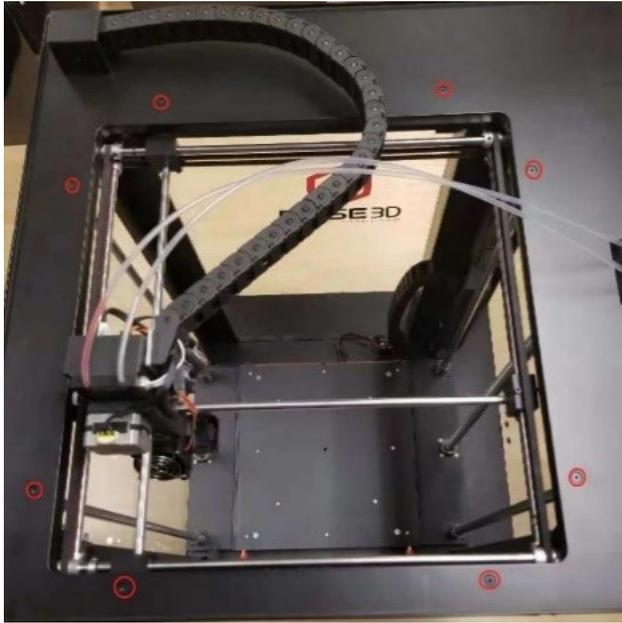
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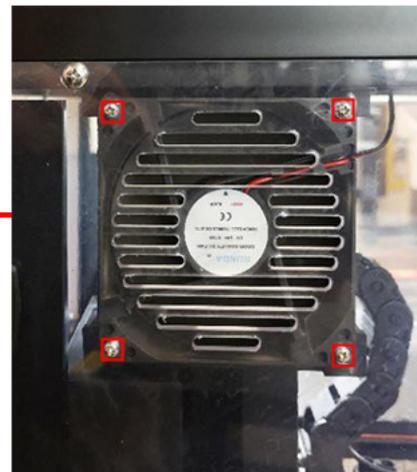
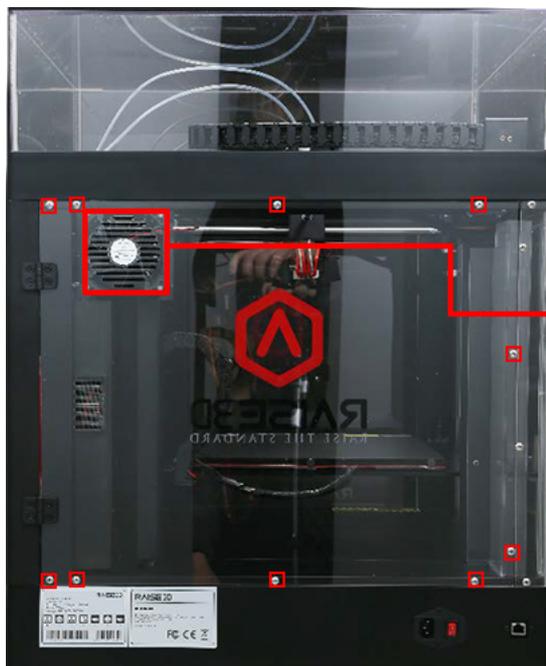


2. Power off.

3. Remove the 8 screws on top shroud with 2.5mm hex wrench.



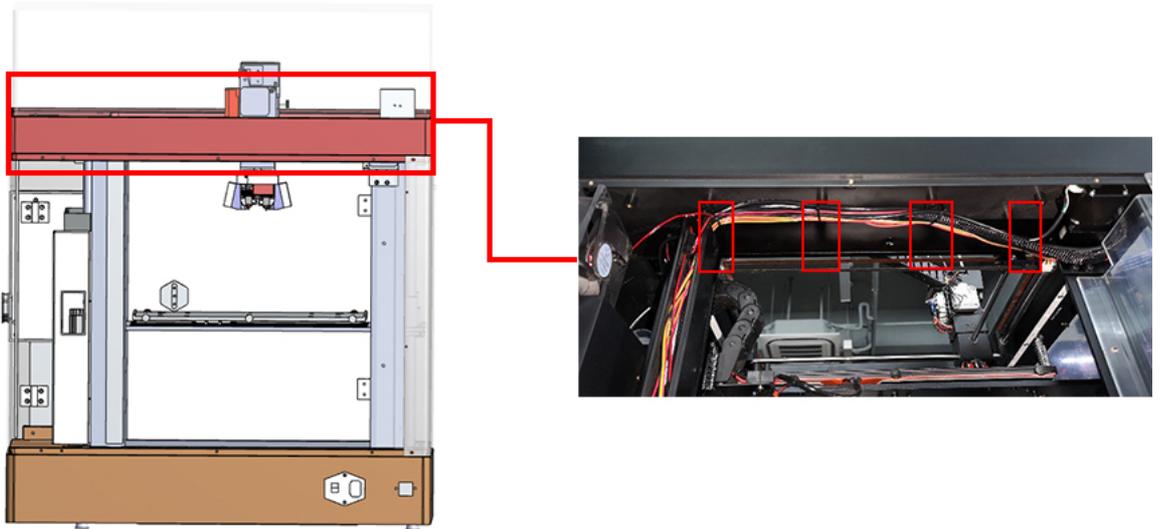
4. Remove the screws on the upper and lower edges of plastic covers with Philips screwdriver and disconnect the same time. (If fan can be unplugged, otherwise you will need to unscrew it from the plastic cover)



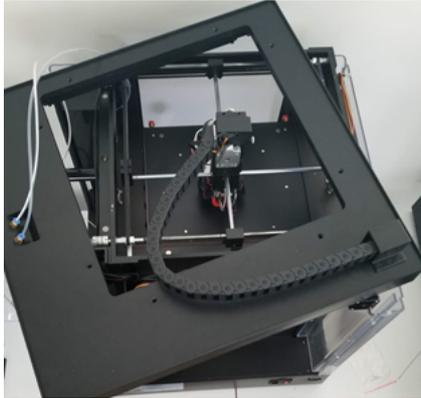


5. Cut the ties which hold the harness at the lower side of top shroud.

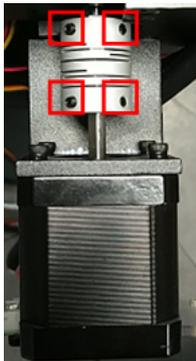
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6. Lift the top shroud up.



7. Loosen the screws in the Shaft Coupler at rear-left corner with 1.5mm hex wrench.

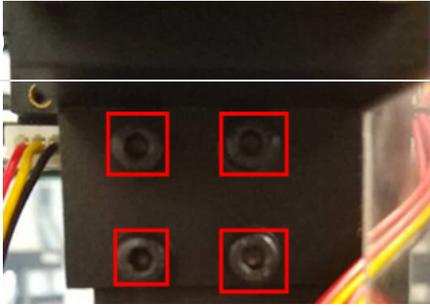


8. Remove the screws that hold the X Motor.





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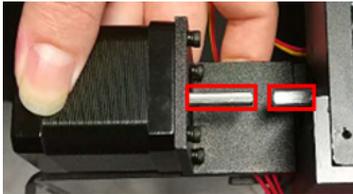


Note: Hold the motor in place with your hand when removing the screws in 8.



9. Remove the coupler and X motor from printer.

10. Rotate the left rod and motor shaft until both flat surfaces are facing up.



11. Place the new coupler on the X Motor Shaft.



Note: Rotate the coupler slightly until one of its grub screws are over the flat surface on X Motor Shaft.

12. Put the motor with new coupler back to its original position.

Note: The two screws on coupler should be facing towards the horizontal surface the entire time.



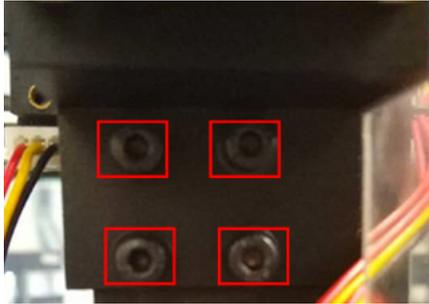


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13. Hold the X motor in place and pre-tighten the four screws which secure the motor on frame.



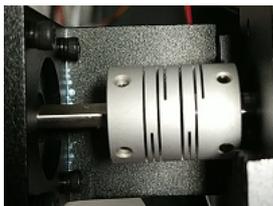
14. Move the coupler back and forth to see if the coupler is properly aligned to the gantry rod and motor shaft. If move the motor around until it moves with ease.



15. Hold the motor still on that position and tighten all screws on the frame.

16. Ensure the horizontal surface on X motor shaft and left rod face upwards and both grub screws on X coupler horizontal surface as well.

Move the coupler forward until it almost covers the horizontal surface on left rod.



17. Tighten the four screws on X Coupler.

18. Reconnect the Air Filter.





19. Re-install the top cover.

What

20. Re-install plastic covers.

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Get In Touch

inquiry@raise3d.com (mailto:inquiry@raise3d.com)

+1 888 963 9028 (tel:+1 888 963 9028)

(<https://www.raise3d.com/>) (https://www.raise3d.com/)
inc.)

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