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Support Center

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• Replace Y Shaft Coupler

[Manual Pro2 Series - 060 Replace Y Shaft Coupler-V1.0]

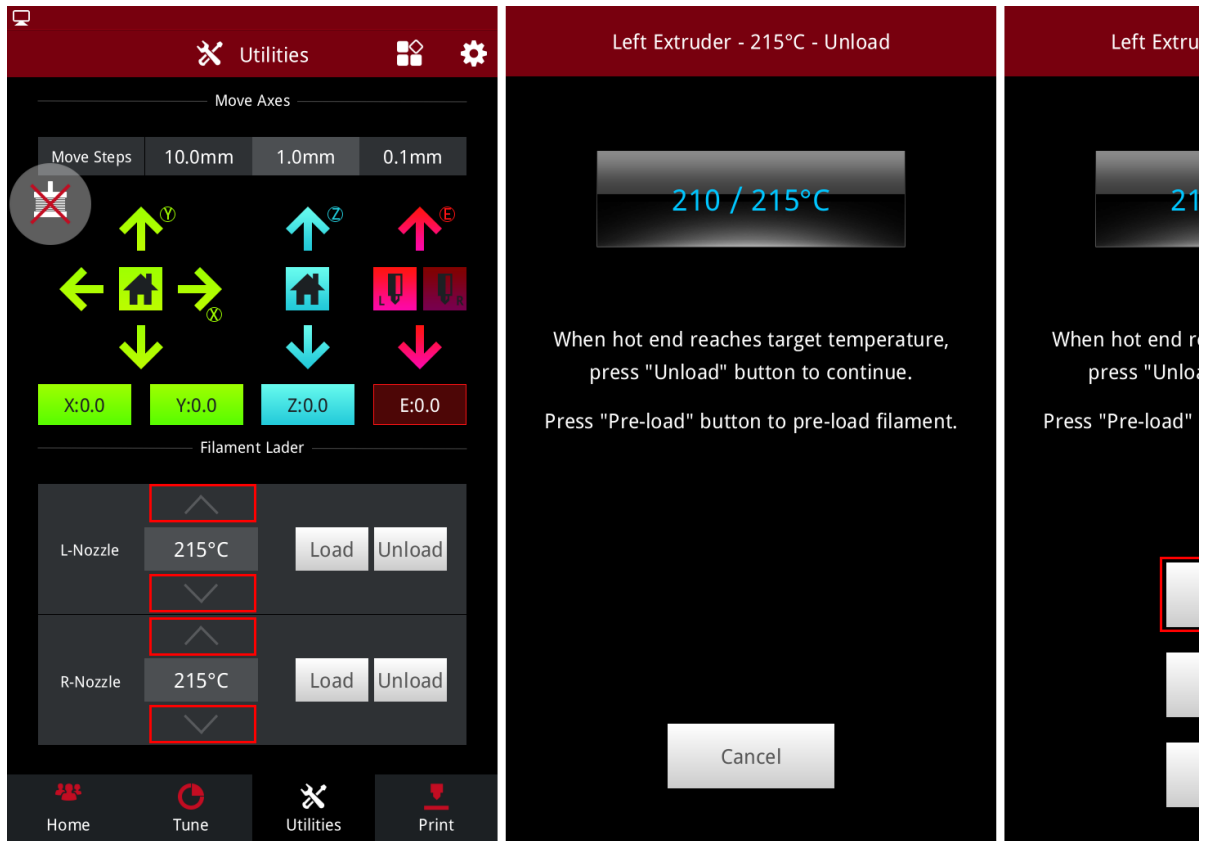
Tools:

- ① 2.5mm wrench
- ② 2mm wrench
- ③ Philips head screw driver



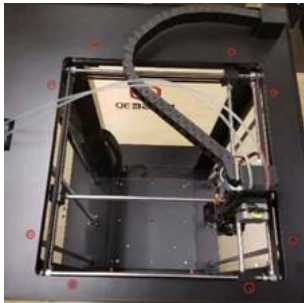
1. Unload filament

- 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.

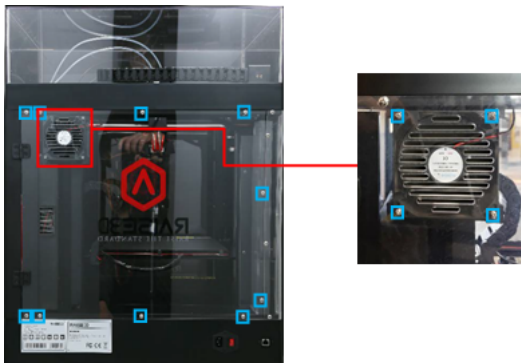


2. Power off.

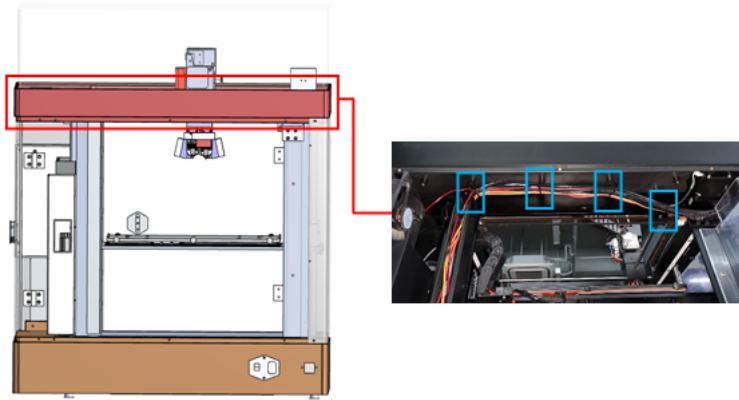
3. Remove the 8 screws on top shroud with 2.5mm hex wrench.



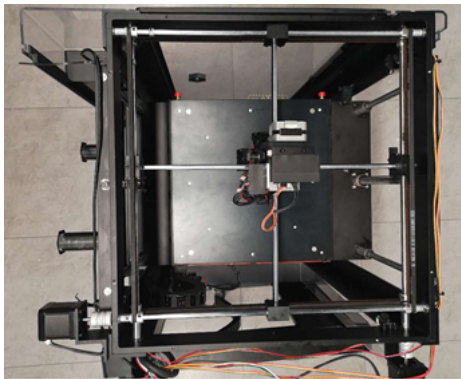
4. Remove the cross screws on the upper and lower edges of plastic covers. Use Philips screwdriver and uninstall same time.



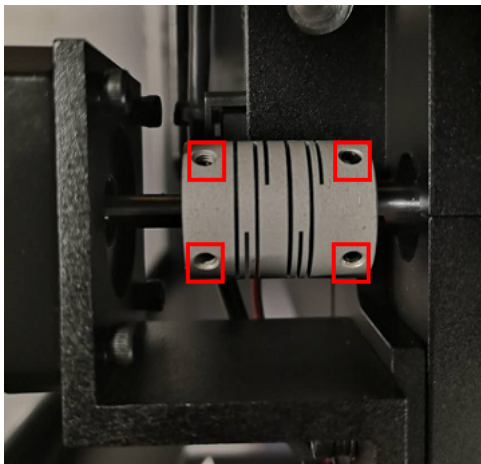
5. Cut the ties which hold the harness at the lower side of top shroud.



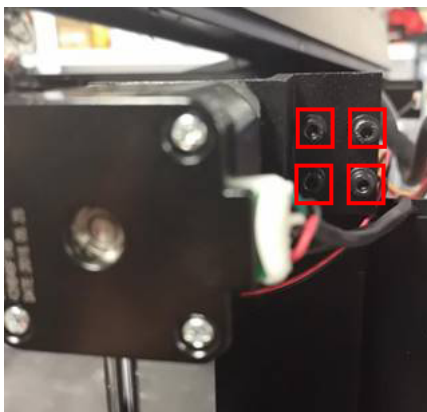
6. Lift the top shroud up manually.



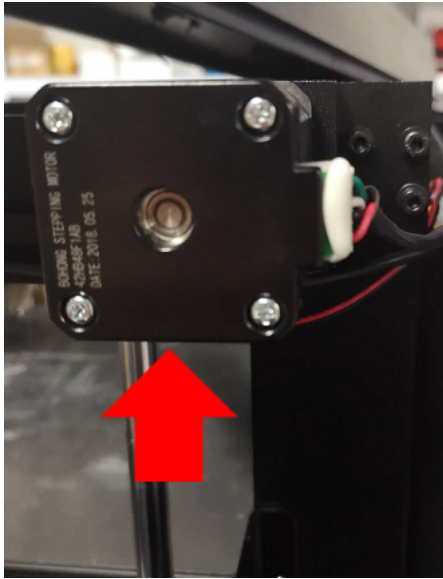
7. Loosen the screws in the Shaft Coupler at rear-right corner with 1.5mm hex wrench.



8. Remove the screws which hold the Y Motor.

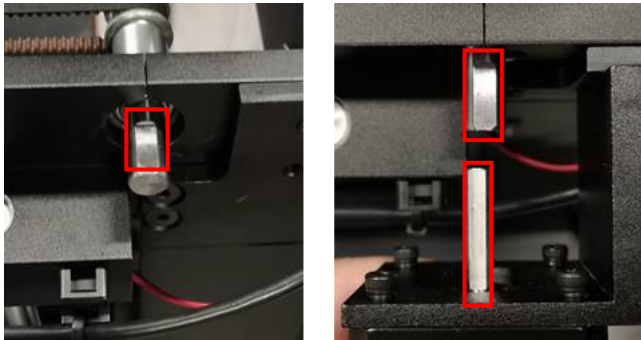


Note: Secure the motor with your hand when removing the screws in 8



9. Remove the coupler and Y motor from printer.

10. Rotate the back rod and motor shaft manually until both of their flat surface faces up.



11. Put the new coupler to the Y Motor Shaft.



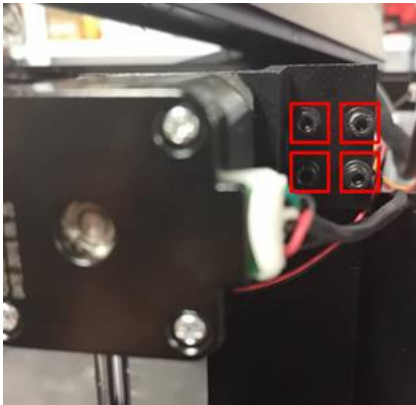
Note: Rotate the coupler slightly until one of the grub screws faces directly over the flat surface on Y Motor Shaft

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

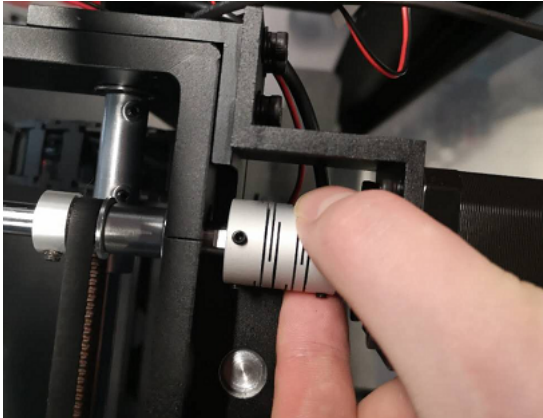
Note: The two screws on coupler face toward the flat surface on the motor shaft and rod.



13. Hold up Y motor and pre-tighten the four screws which hold the motor on the frame.



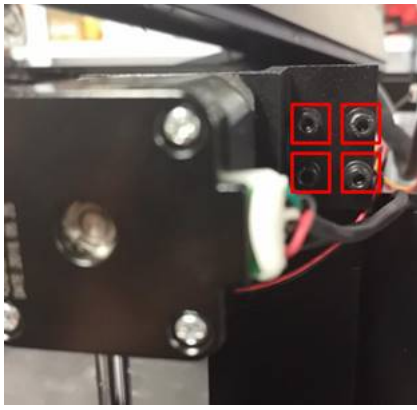
14. Slide the coupler forward and back to verify the motor shaft and rod are aligned.



If motion is not smooth, it is not aligned. If not aligned adjust the position of the Y motor until the coupler can slide smoothly.

Note: If it is not possible to move the motor then slightly loosen the four mounting screws.

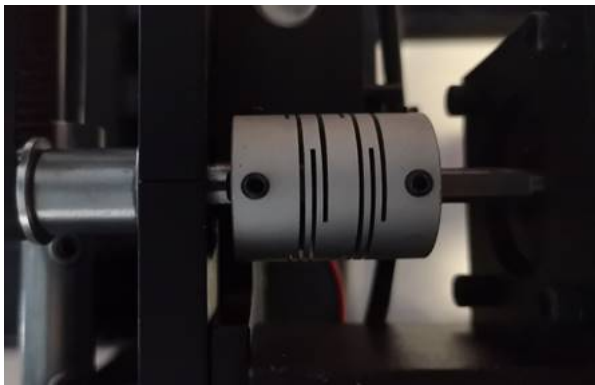
15. Hold the motor in place and tighten all screws on the frame.



Re-check motion of the coupler.
If unable to slide, repeat step 14.

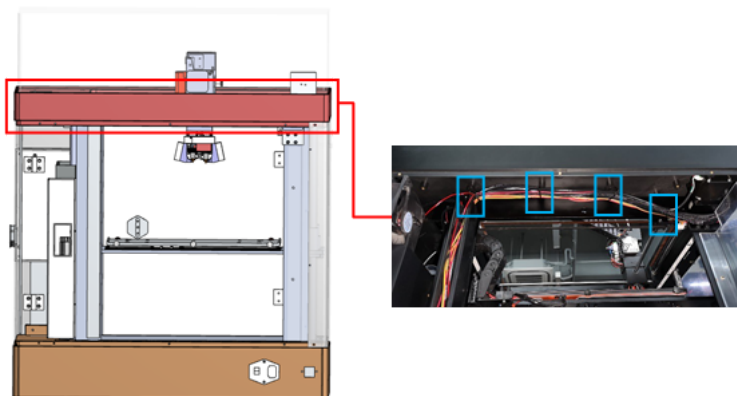
16. Ensure the flat surface on Y motor shaft and back rod face upwards and two grub screws on Y coupler are directed as well.

Move the coupler forward until it almost covers the flat surface on back rod.



17. Tighten the four screws on Y Coupler.

18. Zip tie the harness back to top cover.



19. Connect the Air Filter.

20. Re-install the top cover.

21. Re-install the back cover.

