



EPILOG LASER

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Machine Type: Zing Engraver

Procedure: X-Motor removal and replacement

Tools Required: Phillips screw driver

1. Disconnect the machine from its power source.
2. Remove the power cord from the machine.
3. Loosen the captive screws shown in picture 1

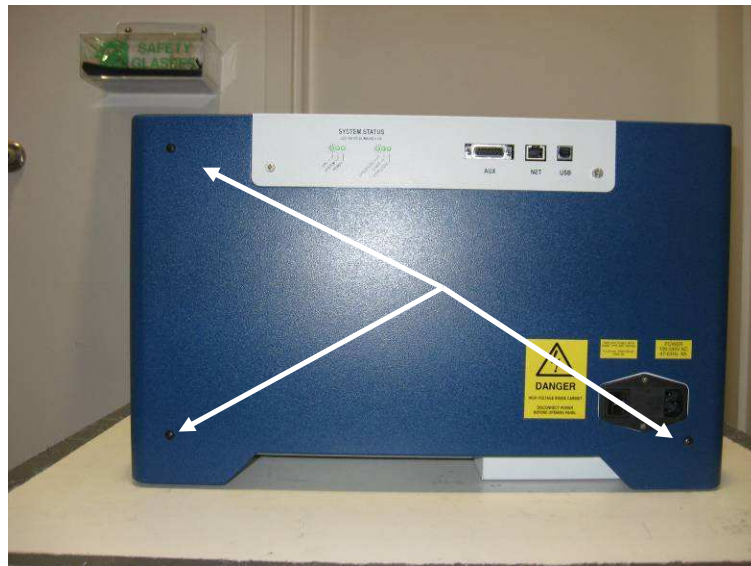


Picture 1

4. Remove the control/display assembly from the machine by grasping the captive screws and pulling the control board/display assembly toward you as shown in picture 2.



5. Remove the three screws shown in picture 2a and the one screw shown in picture 2b



Picture 2a



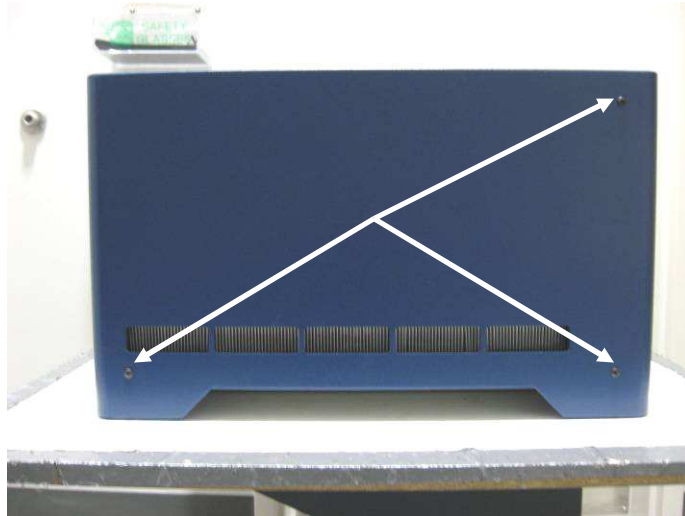
Picture 2b

6. To remove the right hand side cover, lift up on the bottom of the cover and pull toward you as shown in picture 3, and lift up.



Picture 3

7. Remove the three Phillips screws shown in picture 4



Picture 4

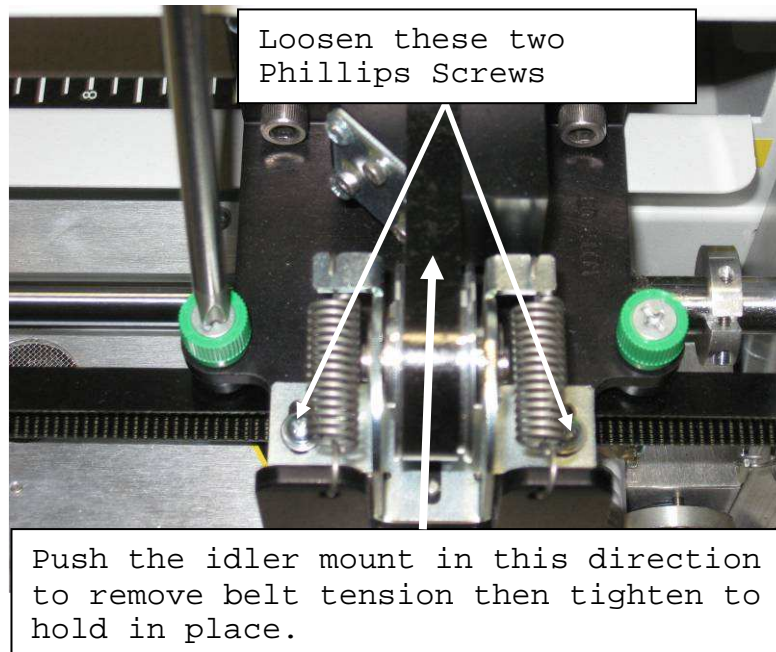
8. Remove the one Phillips screw shown in picture 5.



Picture 5

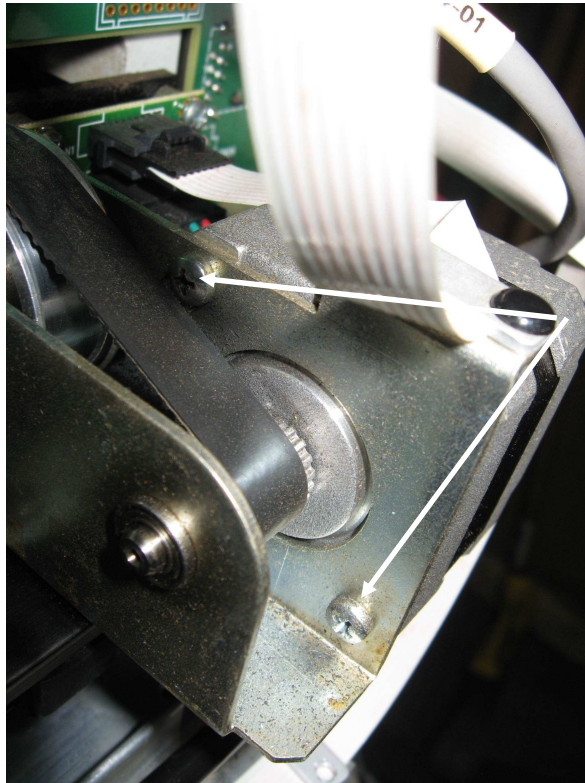
9. Remove the left hand side cover by pulling it toward you.

10. Move the x-axis assembly to the rear of the machine. Step to the right hand side of the machine and loosen the two Phillips screws identified in picture 6 below. Loosen these screws and push the idler bracket toward the other side of the machine to loosen the belt tension. Once moved, tighten the Phillips screws a little to hold the idler mount in place while the motor is removed.



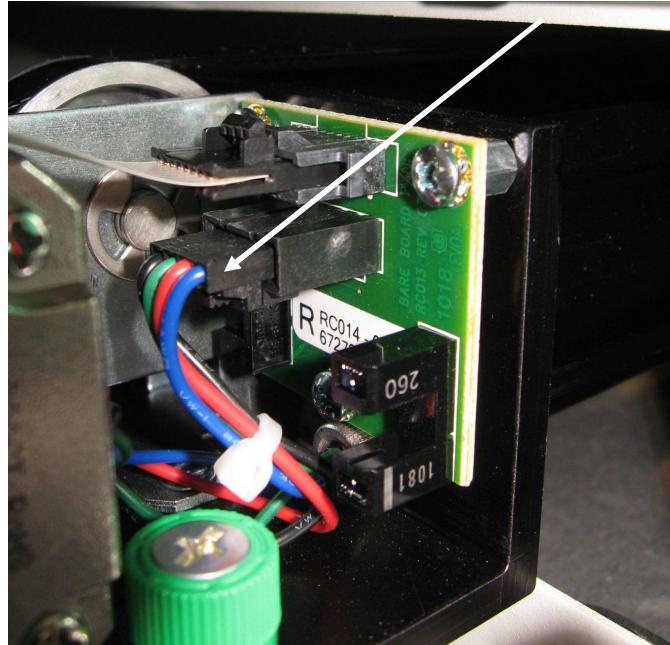
Picture 6

11. Move to the right hand side of the machine and locate the X-Motor. There are two Phillips screws that are identified below in picture 7 below. These two Phillips screws secure the motor to the X-axis assembly. Remove these two Phillips screws.



Picture 7

12. Behind the motor, shown in picture 8, is an electrical connection. Depress the lock, underneath the connector, and gently pull the connector from its mate.

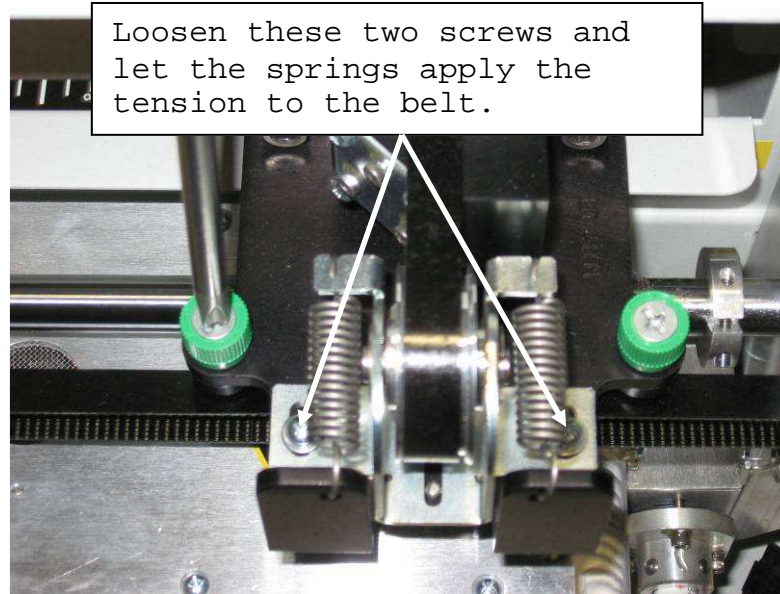


Picture 8

Installing the new motor

13. With the new motor in hand, reconnect the motor connection that was removed in step 12.
14. Place the new motor in the opening in the X-axis. Make sure that the belt is looped over the X-motor pulley.
15. Install the two mounting screws which were removed in step 11.

16. Loosen the two Idler bracket screws which were loosened in step XX and let the springs apply the tension to the X-axis belt. These screws are shown below in picture 9. Before tightening the screws idler bracket screws, ensure that the idler bracket is “square” in the machine. This will prevent the belt from running to one side of the idler pulley.
- 17.



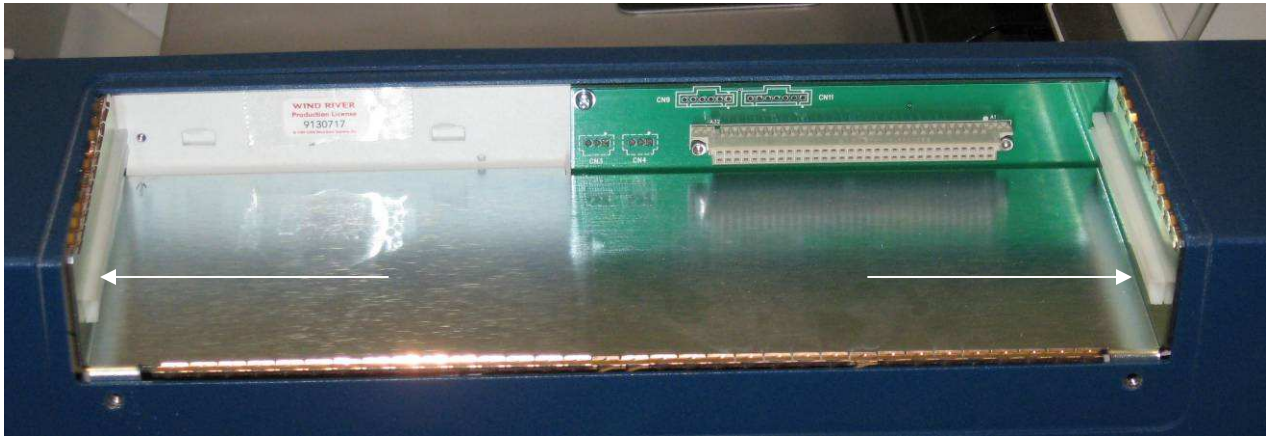
Picture 9

18. Reinstall both the left and the right hand side panels on the machine.
19. Note around the outside of the control housing (picture 18), on the machines chassis, there are small copper strips with fingers that stick up. These are to shield the control board from electrical interference. Make sure that these copper strips stay in place when you remove the board and when you go to reinstall the board.



Picture 18

20. On the inside of the control housing there are two small grooves that the control board will fit in to shown in picture 19.



Picture 19

21. Ensure that the tabs on the control fit in to these grooves before pushing the control board in to place as shown in picture 20a and 20b.



Picture 20a



Picture 20b

22. Slide the control toward the machine and tighten the captured screws to secure the control board in place.

23. Reconnect the engraver to its power source.

If you have any questions please call Epilog's Technical Support

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