

Replacing the X-Axis Motor

Remove the right-side inside plastic guard by removing the three screws indicated in red and loosening the one indicated in blue. Close the lid nearly all the way to get past the notch (in green) to remove the guard.



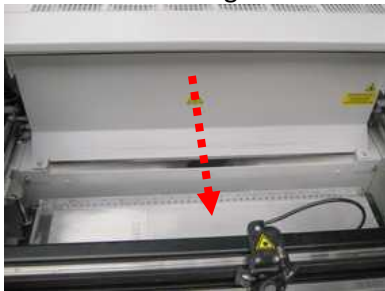
Remove the outside metal guard panels by removing the two screws at the top corners. Remove both sides.



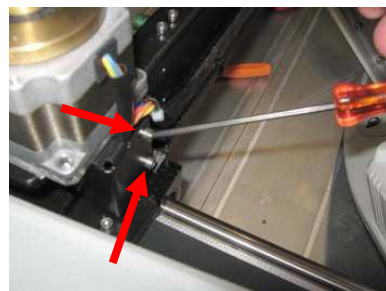
With a T10 torx (or short flathead screwdriver), loosen the screws that secure the Control Panel Assembly. Once loosened, the panel can slide leftwards towards the center of the machine.



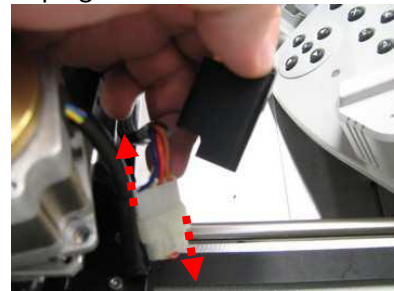
Pull the X-Axis bridge forwards



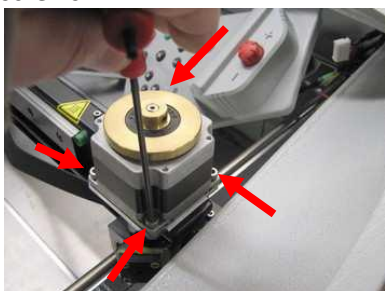
Remove the cable guard at the rear of the motor by removing two screws.



Unplug the motor.



Remove the four motor mounting screws.

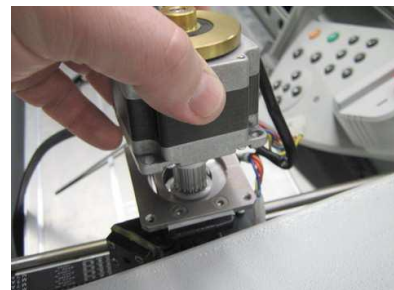


At the left side of the machine, loosen the two screws the face out to loosen the X-Axis Belt. Note the existing tension in order to restore it during reassembly.

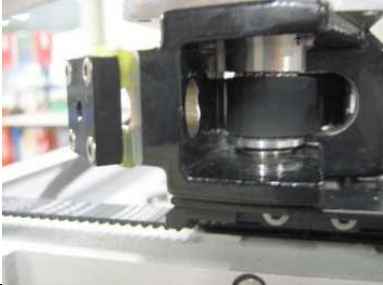


Pushing the Laser Head left and right while pulling up on the motor, the belt will slip over the pulley lip, coming free.

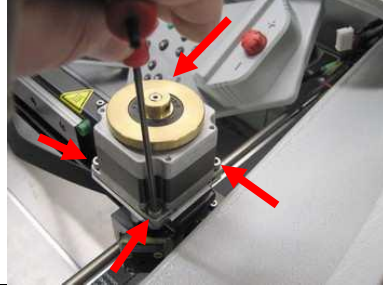
To insert the new motor, insert the pulley/shaft in and push the Laser Head left and right to get the belt seated.



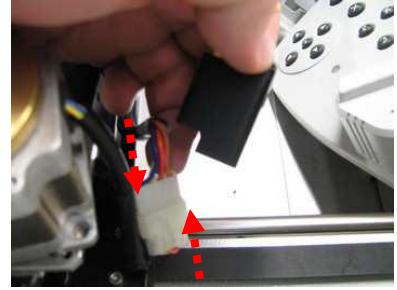
Check that the belt is positioned correctly.



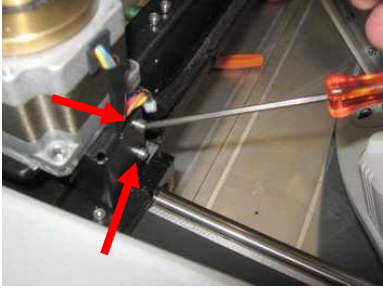
Insert the motor mount screws, but **do not fully tighten yet**.



Reconnect the motor.



Attach the cable guard, being sure to not pinch any wires.



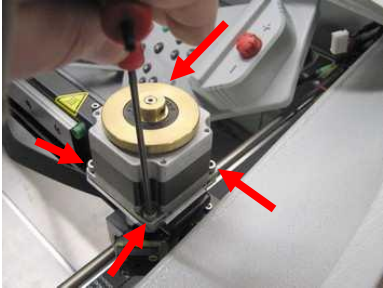
Tighten the two screws to restore the belt tension.



Move the Laser Head left and right to ensure the belt is properly positioned with smooth operation.



Tighten the motor mount screws completely.



Put back the Control Panel Assembly and tighten the T10 torx screws.



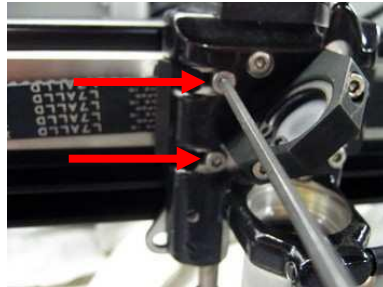
Put back the inside plastic guard.



Put back the outside metal guards.



If you have trouble getting the motor loose from the belt, partially remove the belt to allow more slack.



Be sure to restore this before trying to retighten the belt tension on the left side of the machine.

