M6™ Controller
Digital Belt stiffness problems

Symptom

In some M6™ controllers (also Maxxyz Compact and Programmer modules), the Digital Belts may jump back or jump forward to certain positions. The cause: the digital belts have been left too long in a certain position so that the ribbon belt is deformed.

Solution

Add more friction to the ribbon belt by adjusting the friction lever inside the belt.

Anti-Static Precautions

Important! Static electricity can destroy electronic components. Follow these ESD precautions to prevent damage to the product and injury to the user.

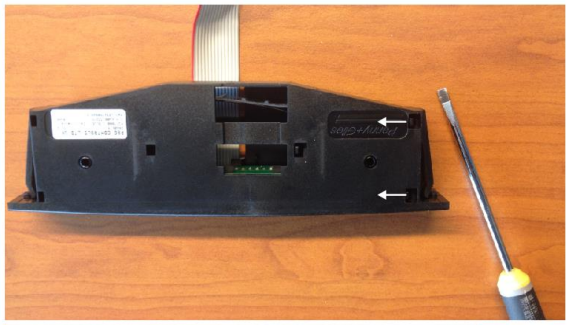
Carry out the service at an anti-static workstation.

Wear a grounded anti-static wristband.

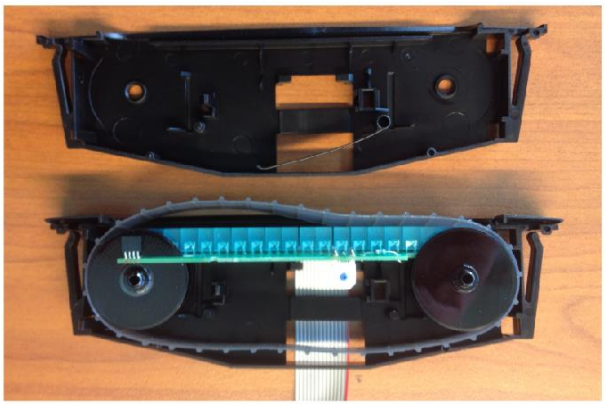
Touch a grounded conductor every few minutes to discharge any static buildup.

Hold components by their edges only. Do not touch the surfaces or any of the contacts of the PCBs.

Adjusting friction of the Digital Belt



1. Open the belt: push the clips inside. Use a small flat screwdriver.



2. Put the 2 halves next to each other.

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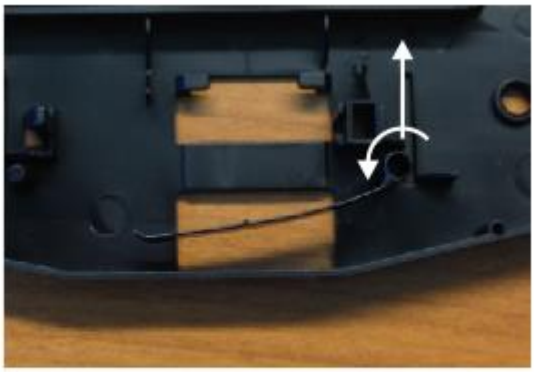
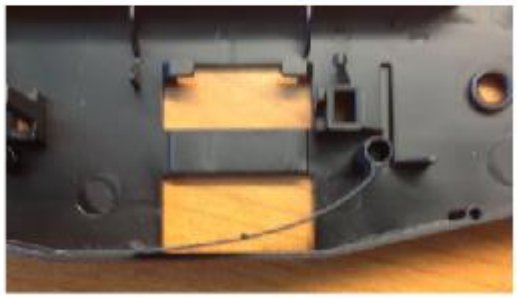
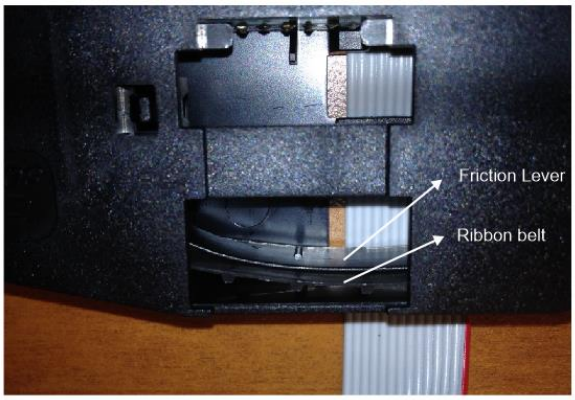
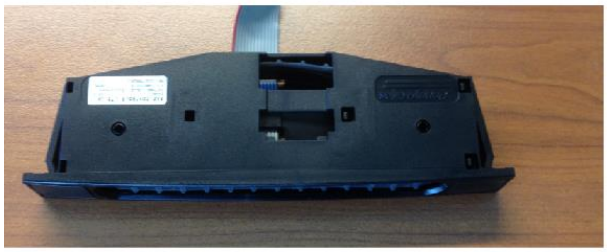




3. Pull the friction lever upwards, and rotate it counter clockwise to the next position. Push it back.





4. Close the Digital Belt. Check that the housing is completely closed, and try to move the ribbon belt.