
MyTana M224 | Flexible Drive Shaft Replacement Procedure

Follow these steps if the shaft cannot be repaired and you need to completely replace the 75' of cable.

IMPORTANT

You may need to remove the outer panel or center hub cover if you need to replace the flexible shaft cable.

CAUTION MUST BE USED AS THESE COVERS PROTECT THE OPERATOR FROM ROTATING MACHINERY HAZARDS AND ELECTRICAL SHOCK.

- ▶ Before doing any work to the shaft, disconnect the machine from the power source.

LET UNIT STAND 5-10 MINUTES BEFORE REMOVING PANELS TO DE-CHARGE THE CIRCUITRY.

- ▶ Continue to use caution as you remove the center cover as the circuit board can remain energized for a period of time.

ALWAYS ASSUME THE CIRCUIT BOARD IN THE M224 IS ENERGIZED AND DANGEROUS. DO NOT TOUCH WITH HANDS OR METAL TOOLS THAT COULD SHORT OR DISCHARGE THE CAPACITORS. THIS POWER SUPPLY STORES ENERGY FOR A PERIOD OF TIME AFTER BEING CONNECTED TO POWER AND SHOULD ALWAYS BE ASSUMED TO BE A RISK FOR ELECTRICAL SHOCK.

Remove the old cable

1. Completely power the M224 off

Press the e-Stop button and UNPLUG the unit from the outlet/voltage power source.

Let the M224 stand 5-10 minutes to de-charge the electronics and circuitry.

2. Pull out the flexible shaft cable

Lay the M224 onto its back on a flat stable surface.

Loosen the thumb screw that secures the cable and pull all 75 feet out onto the ground.

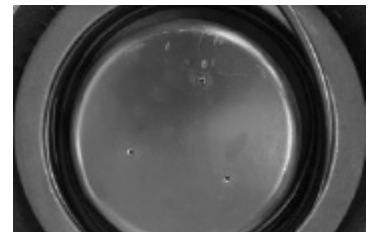
3. Remove the covers

Unscrew six Philips head screws to remove the side panel from the rest of the M224 frame.



Remove three Philips head screws from the center hub cover.

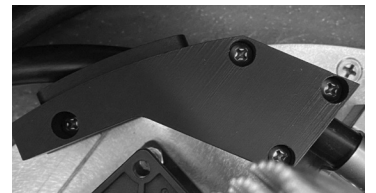
Carefully lift this hub cover off to expose the drive end of the flex shaft cable.



- ▶ **CAUTION:** This hub cover also exposes the electronics.

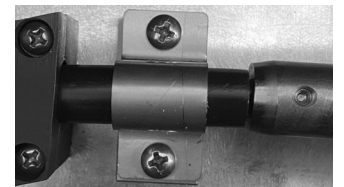
DO NOT TOUCH THE ELECTRONICS CIRCUIT BOARD WITH HANDS OR TOOLS

4. Remove shaft seal top plate secured by four Philips head screws.



5. Remove two Philips head screws to remove the shaft clamp.

Set both plate and clamp aside.



6. Separate the connector and remove the old cable.

Loosen the cap screw on the inner connector just enough so that the connector can slide apart. *Rotate the flex drive cable if needed to expose cap screw.*



Remove the rest of the old cable from the drum.

Continued on back

Install the replacement cable

1. Feed new cable into drum.

Insert one end of the new cable through the side panel's cable guide from front to back.



Slide 3-4 feet of cable through.

Put a partial to full wrap of cable into the drum to reduce the force in the cable as you reattach it.

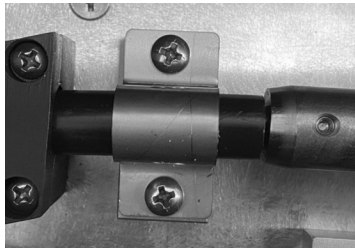
2. Align the slip-joint connectors and slide together.

You may have to rotate the cable or spin the belt drive pulleys to get proper alignment so the halves will slide together.

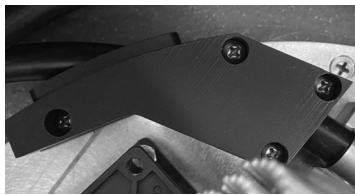
Tighten the fitting's cap screw to secure the cable.

3. Reinstall the inner brackets to anchor the flexible shaft cable

Reinstall the flex shaft clamp using the two Philips head screws.



Reinstall the shaft seal top plate and tighten the four Philips head screws securely.



You may have to push the cable to get parts to align properly.

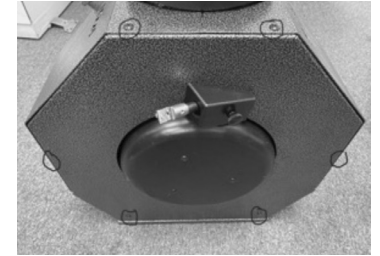
4. Replace the round hub cover.

Make sure it sits flat and align the notch at the bottom over where the cable passes through.



Tighten the three Philips head screws securely.

5. Reinstall the side panel and tighten the six Philips head screws securely.



6. Feed the new flex drive shaft into the drum. Tighten the tension knob to secure it.

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