

# Replacing Upper Rotator Knob For Nodal Ninja Ultimate M1

**FANOTEC**  
Nodal Ninja

## Quick Reference Guide

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For added support, visit: [www.nodalninja.com/forum](http://www.nodalninja.com/forum)  
For videos, visit: [www.youtube.com/nodalninja](http://www.youtube.com/nodalninja)



There have been reported cases where the knob on the upper rotator has broken and rotates freely. This is an apparent flaw in design and manufacturing. Fanotec decided to replace all the knobs in that batch. Follow the procedure to replace the knob and add a plastic washer to make the knob operate more smoothly.



Use a hex key to remove the captive screw from the knob.



Remove the knob.  
If the knob was broken and cannot be removed, go to **Step 2A** at the right.



Clean the contact area between the knob and rotator with some tissue.



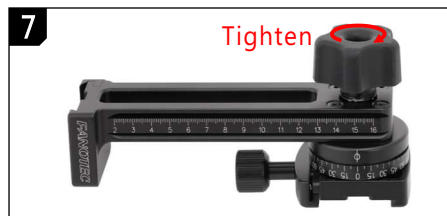
The new knob comes with some grease and a plastic washer.



Use a toothpick to apply some grease to the socket and the contact area.  
For M1S, go to **Step 6A** at the right.



Place the washer on the knob and keep it centered. Apply some grease to the washer.



With the plastic washer in place, tighten the knob to the upper rotator. Tighten and loosen a few turns to make sure it rotates smoothly.



Install the captive screw that comes with the new knob. Throw away the old knob and old captive screw.

### Step 6A: For M1S Only



Transfer the plastic fitting from the old knob to the new one. Keep the face with cut out up.



Place the washer in the cut out. Apply some grease to it.  
Continue to **Step 7**.

### Step 2A: Removing a Broken Knob

If the knob breaks apart from its metal core, it will rotate freely. The knob cannot be removed without a special tool. Contact your reseller to get the tool required.



Loosen the screw on the tool so that the tool can be placed on the knob as shown. Tighten the screw slightly.



Use a hex key to tighten the screw to punch through the knob until a strong resistance is felt. The screw then locks the metal core.



Remove the hex key. With the tool in place, grab and loosen the knob to remove it from the rotator.  
Continue to **Step 3**.