

HU3 Focus Knob Tension Adjustment

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1. Begin by removing the two Phillips screws holding on the focus knob end cover. The two screws are shown in the red circles on the image to the right. Remove the end cover (it is sometimes necessary to pry the end cover off using a small screwdriver in the screw holes).



2. Make sure the silver Phillips screw in the center is tight. This screw is not used to alter tension and in fact must be snug in order to eliminate play in the focus knob movement. The part located below the slots (in the blue, with the holes in it) is called the Pressure Washer Housing. This part is what holds and adjusts tension.



3. Loosen the two .050" hex set screws on the rubber portion of the knob. These screws only need to be loosened a turn or so and tightened lightly – they have nylon tips that hold the tension and do not need to be extremely tight.



4. Hold the rubber part of the knob stationary with one hand and insert a small screwdriver or Allen key into the holes of the Pressure Washer Housing. To increase knob tension, rotate the Pressure Washer Housing clockwise; to decrease tension, rotate the Pressure Washer Housing counter-clockwise (as viewed from above). See figs. 1 and 2 below.



Figure 1 - Rotate clockwise to increase tension



Figure 2 - Rotate counter-clockwise to decrease tension

5. After turning the Pressure Washer Housing a couple of turns, re-tighten the set screws – they don't need to be screwed very tight, remember – and check the tension. Loosen the set screws and adjust if necessary. Otherwise, replace the knob end cover and its two Phillips screws – the knob is ready to go!