

MILO

Installation Instructions for Kwik-Toggle Damper P/N 46-33789

Service Kit Reference Numbers: 141-33386-K001(Knobs), 141-33538 (Remote lever, OE)

193-24931-C015 (Remote Lever, AM)

Part 1: Installation Knob and Housing Stop

If knob and housing stop are already installed skip to Part 2

1. Remove factory installed knob using 2mm hex. Use the old knob to rotate the adjuster Hex in the topcap fully counter-clockwise to the open position. Discard old knob and screw.
2. From the knob kit, locate the knob, housing stop, torsion spring, flat head screw, set screw and small nut. Insert small nut into the slot in the back of the knob lever. **(Fig. 1)**
3. Thread set screw thru hole in knob lever into small nut 3-4 turns only to allow room for cable to pass. **(Fig. 2)**
4. Install short prong of torsion spring into holes on underside of the knob. **(Fig. 3)**
5. Holding upside-down, align knob and housing stop so the knob lever and housing stop are parallel. Insert the torsion spring prong into the corresponding pocket on the housing stop. **(Fig. 4)**
6. Holding the knob and housing top together flip the parts right side up. Preload the torsion spring by rotating the knob 90-100° [1/4 turn] with respect to the cable stop. **(Fig. 5)**
7. Be sure the adjuster hex is fully counter-clockwise, align the cable stop at the angle you prefer the cable to exit, and simultaneously install the knob and cable stop onto the damper top-cap while the knob is still preloaded by the torsion spring. **(Fig. 6)**
You may need to rotate the cable-stop a few degrees to mate to the spline.
8. Install the knob screw with a 2mm hex key and tighten to 0,56 [5 lbf*in]. Note: overtightening may result in stripping the screw hex.
9. Now check the rotation of the knob, it should rotate approximately 90° from open to closed position clockwise with resistance from the torsion spring and fully return to the open position when released. If not, the torsion spring preload may need to be increased. Follow Torsion Spring Set-up in step 6 adding an additional 15-20 degrees of knob preload before inserting the housing stop into the topcap.

Part 2: Installation of Handlebar Assembly and Cable

1. Install lever body on handlebar oriented in in desired position. (Milo fits in multiple positions, experiment with your controls to determine optimum placement. Cable should exit toward the front wheel.) Tighten clamp screw down to 1,12 N*m [10 lbf*in] using a 2.5mm hex key.
Hand tighten barrel adjuster full clockwise.
2. Being sure the lever is in the unlocked position (depress release button to confirm) thread cable through the housing stop, around knob, and thru cable hole in knob. **(Fig. 7)**
3. Knob should be preloaded fully counterclockwise by torsion spring; this is the open position. While holding knob in the open position, pull cable tight and tighten down the pinch screw using a 2mm hex key. Tighten to 0,56 [5 lbf*in]. **(Fig. 8)**
4. Trim the end of the cable leaving 25mm exposed. Install cable ferrule onto the cable and crimp the ferrule.
5. Turn the barrel adjuster on the lever body 1-2 turns counter-clockwise until the cable slack is taken up and the knob rotates exactly when the lever is depressed. Tighten locknut against lever body to prevent movement in barrel adjuster. **(Fig. 9)**
6. Depress the lockout lever. Knob should rotate the knob 90 degrees [1/4 turn] into the locked position smoothly. **(Fig.10)**
7. Depress the release button. The knob should automatically rotate 90 degrees [1/4 turn] into the unlocked position quickly and smoothly.
8. If so skip to step 8. If lever does not return follow the trouble shooting steps below.
 - a. Stuck Lockout Knob at lockout position: Look at the lockout knob. If the knob was turned too hard towards the lockout position it could be stuck there. Gently turn knob towards the unlocked position. It should break free and work properly after that.
 - b. Housing Stop: Check for contact between housing stop and knob. If housing stop is not positioned correctly it could interfere with the return of the knob. Examine if the housing stop sits flat against the damper topcap. If not, repeat housing stop and knob installation.
 - c. Torsion Spring Set-up: The torsion spring preload may need to be increased. Follow Torsion Spring Set-Up instructions above adding and additional 15-20 degrees of knob rotation before inserting the housing stop into the topcap.
9. Push lockout lever to the locked position and apply a moderate downward force (not to exceed 45 kg. [100 lbf]) on the fork. Fork should lock out firmly but may have slow leakdown. If the fork has excessive bleed down check if there is any freedom of rotation remaining in the knob (do not force the knob beyond normal rotation). If the knob has freedom of rotation, loosen locknut and extend barrel adjuster 1/3-1/4 turn counter-clockwise. Retighten locknut by hand. Check fork for lock out firmness and repeat step 9 if excessive leakdown occurs. Note: If barrel adjuster is extended out too far it can cause the adjuster knob to become stuck in the locked out position. If this occurs turn the barrel adjuster inward toward.



Fig. 1



Fig. 2

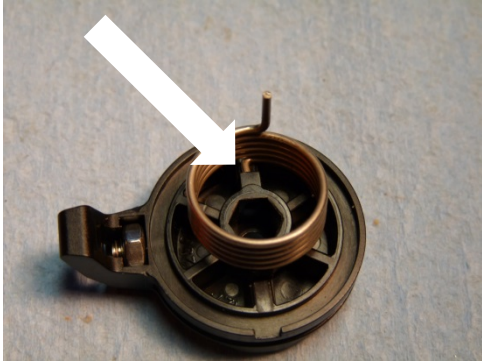


Fig. 3

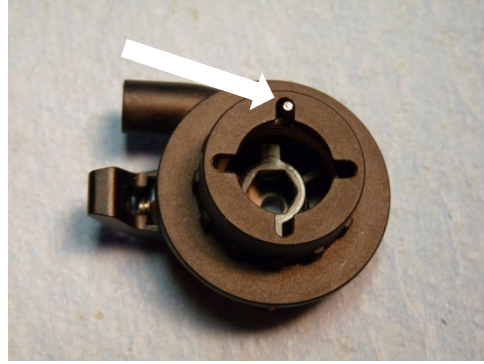


Fig. 4



Fig. 5



Fig. 6



Fig. 7



Fig. 8



Fig. 9



Fig. 10