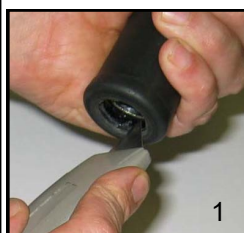




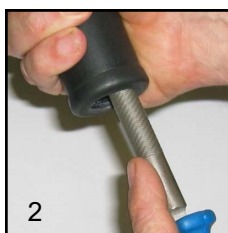
# KAOKO™ Throttle Stabilizer

**KAWASAKI KLR650A & HONDA XL600V, XL650V, XL700V Transalp.  
For listed UNIKIT17,4 applications with or without Barkbusters  
Handguards & UNI17,4CBM with aftermarket handguards and handlebars**

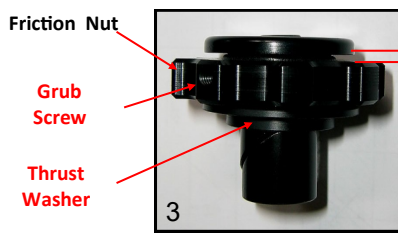
RSA Registered Designs		PATENTS	
No. A2007/00202	No. A2007/00205	U.S. Pat. No. US D593,462 S	
No. A2007/00203	No. A2007/00206	U.S. Pat. No. US D593,463 S	
No. A2007/00204	No. A2007/00207	U.S. Pat. No. US D593,464 S	



**1**  
Cut approx. 25mm hole into rubber grips



**2**  
File hole in the plastic throttle sleeve to same ID as handle bar tube.



**3**  
Friction Nut grub screw - 2mm Key required



**4**  
Final Assembly (shown with Barkbusters Hand Guards fitted)

**KAOKO Kit**  
Comprises of :

- End Weight,
- Friction Nut,
- Thrust Washers,
- 2mm Allen key,
- Fitting Instructions

**DISCLAIMER: NO RESPONSIBILITY ACCEPTED FOR NON-ADHERENCE TO THESE INSTRUCTIONS**

## KAOKO™ Safety Warning:

See: [www.kaoko.com](http://www.kaoko.com) for further information [info@kaoko.com](mailto:info@kaoko.com)

The KAOKO™ Cruise Control is an aftermarket accessory. Any misunderstood, abused or incorrectly installed motorcycle accessory is a safety hazard that could cause injury or death. It's the rider's responsibility to understand the operation and purpose for which the KAOKO™ Cruise Control is designed, namely, for cruising, only when safe to do so. At all other times the control should be disengaged. The KAOKO™ Cruise Controls are to be used only by experienced and responsible riders.

**Note:** An adjustment to throttle assembly position may be necessary to suit KAOKO™ Cruise Controls. The throttle assembly position on aftermarket bars, and some OEM bars, is adjustable. The assembly can marginally be re-positioned along the handle bars slightly loosening the throttle assembly clamp screws, and then sliding the throttle assembly along the handle bars (left or right). Once done, firmly tighten the clamp screws to OEM torque specifications. This adjustment is generally not necessary.

### Fitting & Operating Instructions:

**Step 1:** Remove OEM throttle side bar weight or Barkbusters hand guard insert. For motorcycles without Bar-End Weights, cut a hole into ends of grips to expose hard plastic internal throttle sleeve (Picture 1); and ream or file as per picture 2. In all cases, file the height of the seam weld in ID of handle bar to approx. 0.5mm or 0.020 inch (No dismantling of grips is necessary for filing).

*Note: For Honda XL600, XL650 and XL700V Transalp models; - the throttle assembly needs to be removed from the handle bar and so to expose the handle bar OD so the threaded insert locating pins can be released and so then removed from the handle bar ID.*

See pictures A, B and C: Step A : Loosen throttle assembly clamp screws.

Step B: Slide throttle assembly off handle bar tube.

Step C : depress handle bar insert location pins, and remove entire insert insert from the handle bars ID.

If Barkbusters hand guards are included in final assembly then make sure to follow all Barkbusters related fitting procedures.

**Step 2:** Place the KAOKO™ plastic thrust washer onto the end of throttle as shown in Figure 1. The spigot on the one face of the thrust washer must thrust against the end of the throttle sleeve. When fitting the thrust washer, it may be necessary to stretch the rubber sleeve over the spigot of the thrust washer.

**Step 3:** Slide the KAOKO™ Kit fully into end of handle bar, up against the thrust washer, as shown in Figure 2 and firmly tighten the central retaining screw. Pay attention to keep the 2mm gap between the friction nut and shoulder of bar weight (picture 3).

**Step 4:** Back off the friction nut against the shoulder of the bar weight to disengage the Throttle Control.

**Step 5:** Set Friction Nut to desired resistance by gently tightening the grub screw (see picture 3) with 2mm Allen Key. Friction nut should be stiff turning.

**Step 6 (Optional):** Refer step 3 above; insert Barkbusters hand guards over KAOKO™ kit and firmly tighten central retaining screw. Follow all Barkbusters related fitting instructions (Picture 4).

**Operation:** The friction nut has a left hand thread. In readiness for engagement it must be adjusted so that it makes light contact with the throttle sleeve.

**To Engage:** While rolling on the throttle, the friction nut can be gripped between the small finger and palm of hand. This action tightens the nut and provides sufficient friction to set throttle to the desired opening.  
*(The friction is such that the rider may still open and close the throttle. The throttle simply has a slight rotational stiffness.)*

**To Disengage:** While rolling off the throttle, grip friction nut between small finger and palm of hand.

**VERY IMPORTANT!! The Throttle should open and snap closed freely when correctly disengaged.**

**Note:** The Grub Screw (see picture 3) is set to provide the necessary rotational resistance on the thread of the friction nut. This may be adjusted periodically to take up wear. The nut must be stiff turning.

**Maintenance:** Remove kit annually. Unscrew friction nut and brush clean threads with mild soap. Apply petroleum jelly to threads and assemble. Set Friction Nut to desired resistance by gently tightening the grub screw (see picture 4) with 2mm Allen Key. Friction nut should be stiff turning.

*(O-Ring cushion: 19.6 mm I.D. x 2.4 mm section — if replacement is required).*

### Indemnity:

It is advised that the use of the cruise control is at the sole risk of the rider and by his/her decision to use it he/she does indemnify the manufacturers or organizers, their agents, employees and officers against any claim or action by themselves, their dependants or any other third party arising out of any loss, damage, injury or death suffered.



Step A : Loosen throttle assembly clamp screws



Step B : Slide throttle assembly off handle bar



Step C : Fit an M6 bolt into newly exposed threaded insert. Insert is now exposed after trimming throttle sleeve and rubber grip, and then removing the throttle assembly.

Depress insert location pins on handle bar OD and proceed to pull the entire fixture from the handle bar ID.

### Thrust Washer



**FIGURE 1:**  
Thrust Washer



**FIGURE 2 :**  
Final Assembly

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