



KAOKO™ THROTTLE STABILIZER KITS:
HND31 • HND31S • HND31SS

For Models **HONDA**
VFR800/BLACKBIRD (2001-) ♦ CBR1100XX Blackbird ♦ F6B Goldwing (2012-)
VTR1000 Firestorm (1998-2008) ♦ CBR650F (2015-) ♦ CBR900RR (all years)

RSA Registered Designs
No. A2007/00202 No. A2007/00205
No. A2007/00203 No. A2007/00206
No. A2007/00204 No. A2007/00207

Patents
"U.S. Pat. No. US D593,462 S"
"U.S. Pat. No. US D593,463 S"
"U.S. Pat. No. US D593,464 S"

Items Included in your kit

Kaoko bar-end weight • Friction Nut • Thrust Washer/s • M6x50 Bolt
2mm Allen Key • Fitting Instructions

<p>1</p>	<p>2</p>	
<p>3</p>	<p>4</p>	<p>5</p>

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

KAOKO™ Safety Warning:

The KAOKO™ Throttle Stabilizer 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™ Throttle Stabilizer is designed, namely, for cruising, only when safe to do so. At all other times the control should be disengaged. The KAOKO™ Throttle Stabilizers are to be used only by experienced and responsible riders. See reverse of page for full indemnity.

Note: An adjustment to throttle assembly position may be necessary to suit KAOKO™ Throttle Stabilizers. 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 Instructions

- Step 1**
Step A (recommended): **Picture 1:** Remove the Throttle side bar weight. Using two small screw drivers, prize the two spring tabs towards each other and simultaneously pull out the handle bar insert. Discard handle bar insert.
- Step B (optional—if required):** **Picture 2:** Remove the Throttle side bar weight. Loosen throttle assembly clamp screws and slide the throttle assembly off the handle bar tubes. Refit the central retaining bolt to the handle bar insert, depress the handle bar insert location pins, and remove the entire insert from the handle.
- Step 2**
Place the plastic thrust washer into end of the throttle sleeve that the spigot of the thrust washer must thrust upon the plastic throttle sleeve. (see **picture 3**).
To enable improved functionality, it is recommended (not essential) to apply very light smear of Automotive grease or Petroleum jelly to the friction face of the thrust washer(See Figure 3 at the back of the page).
- Step 3**
Fit the assembled KAOKO™ Kit fully into the handle bar and firmly tighten the bar weight retaining screw. Note to keep the 2mm gap between the Friction Nut and the shoulder of the KAOKO™ bar weight (See **picture 4**)
Note: For model **HND31**, 2 thrust washers are included in this product kit. **F6B** is only to be used when fitting **HND31** to the Honda **F6B Goldwing**. For all other applications 103 is to be used.
- Step 4**
See picture 4 for fully assembled KAOKO™ Throttle Stabilizer Kit, and **picture 5** for fully assembled KAOKO™ Throttle Stabilizer Kit shown with OEM hand guards.
- Step 5**
Carefully set rotational resistance of the friction nut by tightening/loosening the grub screw by small adjustments using the 2mm allen key provided in the Kaoko Kit. Take care not to over tighten risking damage to threads. The nut should have fairly firm rotational resistance.
See under **Maintenance below**.

Operating Instructions

The Friction Nut has a **left hand thread**. In readiness for engagement, the Friction Nut must be adjusted so that it makes light contact against the thrust washer.

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 the 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 the 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 is set to provide the necessary resistance on thread of friction nut. This may be adjusted periodically to take up wear.

Maintenance: Remove kit annually. Unscrew Friction Nut and brush clean threads with a mild soap. Apply petroleum jelly to threads and assemble. Adjust grub screw to desired operating resistance. (O-Ring cushion: 19.6mm I.D. x 2.4mm section — if replacement is required)