



## KAOKO™ THROTTLE STABILIZER KITS: HND320

For Models **HONDA**  
VFR 800X Cross Runner (2016-2018)  
with heated grips

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 • 2mm Allen Key  
Fitting Instructions

1



A—OEM Bar-end weight removed

2



A—Plastic Thrust Washer

3



A—Plastic Thrust Washer  
B—Central Retaining Screw  
C—Kaoko bar-end weight  
D—Friction Nut & Grub Screw

### 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

Remove the Throttle side OEM bar-end weight as per Picture 1.

#### Step 2

Lift up the rubber lip on the end of the grip and place the TH-TWD100 thrust washer as shown in Picture 2 so that the spigot of the thrust washer pushes against the plastic throttle sleeve that sits between the handlebar and the throttle grip.

**Note:** 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

Provide a 2mm gap between the Friction Nut and the shoulder of the KAOKO™ bar weight as indicated in Picture 3 and set the Friction Nut to the desired resistance by gently tightening the grub screw with 2mm Allen Key. The friction nut should be slightly stiff turning.

#### Step 4

Slide the Kaoko kit fully into that handlebar, up against the thrust washer as shown in Picture 3.

#### Step 5

Firmly grip the body of the Kaoko control and tighten the central retaining bolt to complete the installation.

#### Step 6

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 needs to be set to provide the necessary resistance on the thread of the friction nut (only small adjustments need to be made as to not damage the friction nut threads). 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)



DESIGN  
EXCELLENCE  
AWARDS  
2009

05/04/2018