

## KAWASAKI Z H2 (20-23) STEERING DAMPER KIT INSTALLATION INSTRUCTIONS

The Steering Damper Kit for the Kawasaki Z H2 allows for the installation of a hydraulic damper to increase stability and help reduce front-end oscillations.

### Check Package Contents:

#### The Package Contents Include:

1. One (1) Brock's Performance by Bitubo Steering Damper
2. One (1) Steering Damper Mount
3. One (1) Steering Damper Base Assembly
  - 3A. One (1) Steering Damper Clamp
  - 3B. One (1) M6x20 Socket Head Cap Screw
4. One (1) 3/8" x 1.25" Shoulder Bolt
5. One (1) Bronze Sleeve Bushing
6. Two (2) M6x40 Socket Head Cap Screws (with Washers)
7. Two (2) M8x45 Socket Head Cap Screws
8. One (1) M8x25 Button Head Cap Screw
9. Two (2) M6 Stainless Steel Fender Washers



If your package contents differ, please contact Brock's Performance at 937-912-0054.

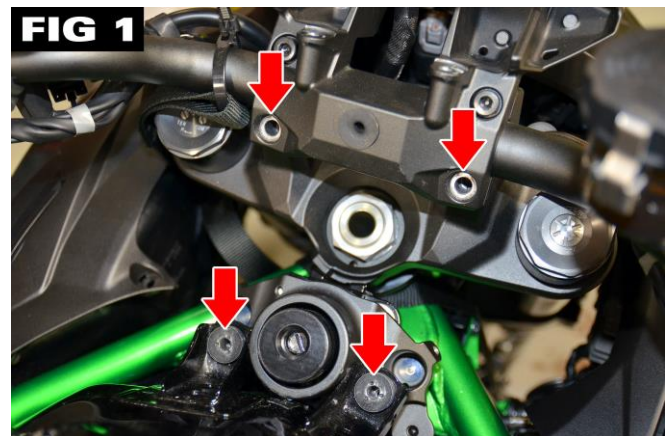
For additional installation support please refer to the OEM service manual.

**CAUTION: NEVER adjust damper while vehicle is moving as over dampening can cause a loss of control leading to serious injury or death.**

### Instructions:

1. Support the bike using a wheel stand or lift.
2. Remove upper tank covers, wind screen, and ignition switch cover.
3. Remove LED screen mounting bolts and pull screen from rubber grommet. Temporarily relocate the screen to allow access to the handlebar mounting bolts.
4. Remove front gas tank mounting bolts (leaving OEM flanged spacers) and lower handlebar mounting bolts (Fig 1).
5. Slide the Bronze Sleeve Bushing (5) over the 3/8" x 1.25" Shoulder Bolt (4).
6. Apply a small amount of blue threadlocker (supplied) to the Shoulder Bolt (4) and attach to the Steering Damper Base Assembly (3) as shown in (Fig 2) and torque to 156 in-lb (17.5 N·m).
7. Insert the Bronze Sleeve Bushing (5) portion of the Steering Damper Base Assembly (3) (Fig 2) into the steering stem as shown in (Fig 3).

**Note:** Bronze bushing should slide freely (without being forced) into the steering stem; if it does not contact Brock's Performance.



- Using the supplied M6x40 Socket Head Cap Screws and Washers (6) secure the Steering Damper Base Assembly (3) to the gas tank mounts as shown in (Fig 3) and torque to 84 in-lb (9.5 N·m).

**Note:** If the M6x40 Socket Head Cap Screws do not align properly with the OEM flanged spacers, loosen the rear gas tank mounting bolts and align tank accordingly.

**Note:** The OEM gas tank mounting bolts removed in step 4 will not be reused and can be discarded.

- Using the supplied M8x45 Socket Head Cap Screws (7) secure the Steering Damper Mount (2) to the lower handlebar mounts as shown in (Fig 4) and torque to 30 ft-lb (40 N·m).

**Note:** The OEM lower handlebar mounting bolts removed in step 4 will not be reused and can be discarded.

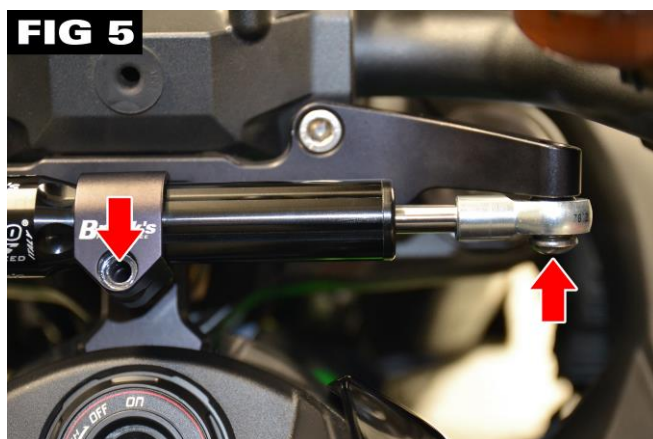
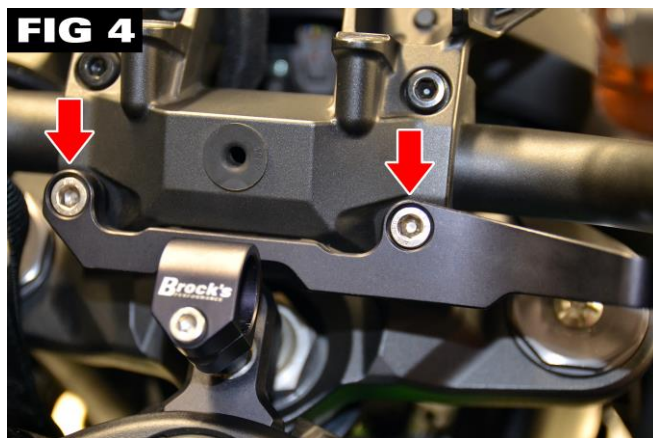
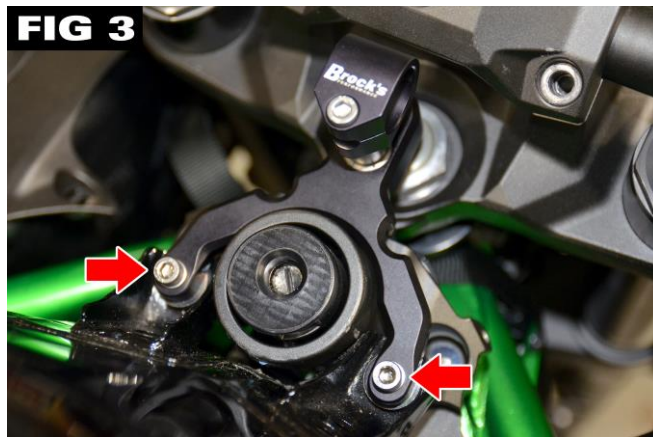
- Remove the M6x20 Socket Head Cap Screw (3B) from the Steering Damper Clamp (3A) and slide the Bitubo Steering Damper (1) through the clamp with the spherical rod end facing right (Fig 5).
- Apply a small amount of blue threadlocker (supplied) to the M8x25 Button Head Cap Screw (8).
- Using the M8x25 Button Head Cap Screw (8) attach the spherical rod end of the Bitubo Steering Damper (1) to the Steering Damper Mount (2) (Fig 5) and torque to 17 ft-lb (24 N·m).

**Note:** Take care to not allow any threadlocker into the spherical rod end during installation.

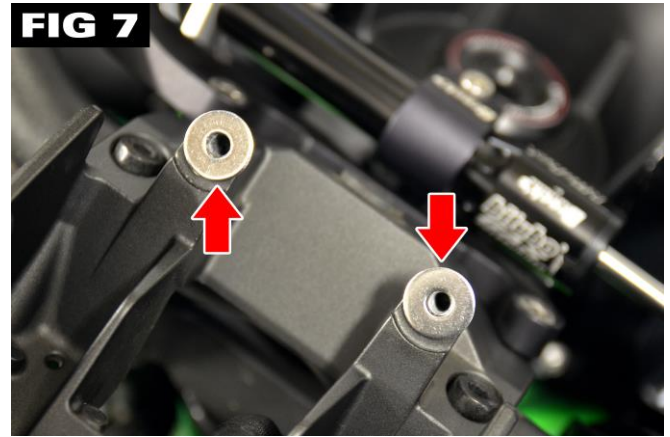
- Adjust the Bitubo Steering Damper (1) as shown in (Fig 6). 2.4" (approximately 61mm) from clamp to end of damper.

**Note:** This adjustment is very important to maintain lock-to-lock steering travel clearance.

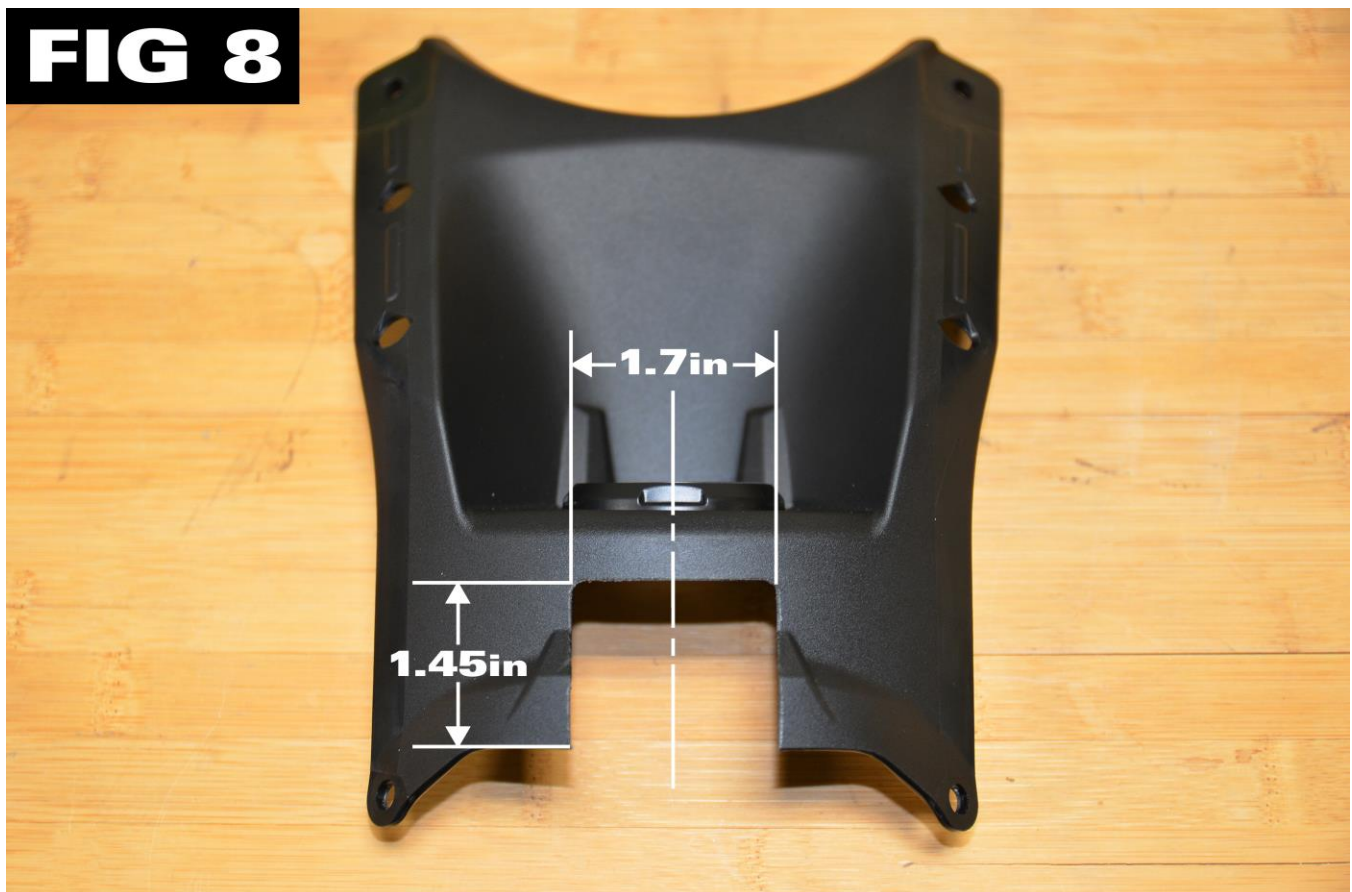
- Apply a small amount of blue threadlocker (supplied) to the M6x20 Socket Head Cap Screw (3B) and install to lock in the Bitubo Steering Damper (1) adjustment position. Torque to 84 in-lb (9.5 N·m).
- Inspect clearance from steering lock-to-lock. If any binding or obstruction occurs, loosen the clamp bolt and readjust.
- Place the supplied M6 Stainless Steel Fender Washers (9) on top of the display mount as shown in (Fig 7).
- Place the LED screen back into the grommet and reinstall the LED screen mounting bolts.
- The OEM ignition switch cover must be modified for clearance around the Steering Damper Base Assembly (3). Using a dremel (or similar cutting tool) modify the ignition switch cover as shown in (Fig 8). Alternatively (if you do not wish to make this modification yourself) a pre-modified OEM Ignition Switch Cover is [available for purchase here](#).



19. Reinstall the modified ignition switch cover, wind screen, and upper tank covers.



**Suggested steering damper base setting: -7 to -11 clicks**



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