

HYPERPRO

STEERING DAMPER MOUNTING KIT

for

Kawasaki Z H2 Model 2020>

MK-KA10-T010 INSTALLATION INSTRUCTIONS

In general:

HYPERPRO can not be held responsible in any way for any form of physical, material, financial or other damage arising from use, assembly or overhaul of HYPERPRO products. HYPERPRO reserves the right to make changes without prior notice.

This product is ONLY TO BE INSTALLED BY A PROFESSIONAL MECHANIC.

This product is only to be used for the motorcycle brand, model and year stated specifically on top of the pages of this manual.

DO NOT attempt to install this product on motorcycles from any different brand, model and/or year than stated on the pages of this manual.

DO NOT use this kit for cars, boats, jet skis, snowmobiles, ATV's, aircraft, hovercrafts or any other vehicle and/or purpose.

HYPERPRO steering dampers are FOR RACE USE ONLY, NOT FOR HIGHWAY USE!

Before installation:

- Please read the entire manual carefully before starting the installation!
- Check if you have all the tools required. Good tools are a must.
- Protect your bike at the most important places in and around the work area (e.g. tank, fairing, frame, etc.), with a blanket, towel or similar.

During installation:

- Check all operations and parts carefully before, during and after performing each step.
- Clean all surfaces that are required for fitting parts together or for applying self adhesives or loctite, thoroughly with contactcleaner or another degreaser, unless otherwise stated.
- Be carefull not to damage or scratch any part of your bike.
- ALWAYS work relaxed and concentrated!! It is very easy to damage something or make a mistake.

After installation:

- Check and make sure that there is no contact between any part of the steering damper kit and any part of the motorcycle. The kit should not hit anything. Steering movement should not be limited by the steering damper. If the steering movement is limited, adjust the position of the tube in the clamp untill steering movement is normal again. Do not forget to tighten the clamp bolt again!
- ALWAYS check the steering movement and feeling before each ride !
- FIRST RIDES: Start with the damper turned fully open (turn adjuster knob fully counter clockwise). Start adjusting in between rides with steps of MAX. 2 CLICKS (0.25 TURN) EACH TIME, untill the damper is working satisfactory for your riding style.
- NEVER USE MAXIMUM SETTING, ALWAYS OPEN AT LEAST 2 CLICKS (0.25 TURN).
- WARNING ! DAMPER HAS AN ACTIVE / SPEEDSENSITIVE DAMPING SYSTEM;
 - Steering with NORMAL MOVEMENT should be FREE !!
 - Steering with FAST MOVEMENT should be CONTROLLED BY DAMPER !!
- HYPERPRO uses a special seal to reduce friction. The seal uses an oil film to work properly. It is normal that some oil can appear on the pistonrod.
- Damper works with oil: DAMPING CAN BE HARDER AT LOWER TEMPERATURES!

Step 1: install the tank bracket

- Tank bracket (1)
- 2x Washer M6 ϕ 18 (3)
- 2x Bolt M6x45 (2)

Loosen and remove the front plastic tank covers and the ignition switch cover. Remove the 2 original bolts and washers from the front tank mounting points. Install the tank bracket (1) using the 2 supplied washers (2) and M6x45 bolts (3), place the original washers underneath the bracket for support as shown in the right picture on page 1. Tighten the bolts to a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft

*Step 2: modify and install the ignition switch cover

** We advise to install and check the complete mounting kit before cutting the switch cover.* Modify the ignition switch cover by cutting it according to the picture on page 1 and install it to the bike.

Step 3: install the fork bracket

- 2x Spacer d8 L6 (9)
- Fork bracket (10)
- 2x Bolt M8x40 Low head (11)

Remove the windscreen. Remove the 2 bolts of the LCD display and temporarily place it away from the handlebar clamp.

Remove the 2 rear clamp bolts of the handle bar clamp, be aware that the handlebar will be loose. Install the fork bracket (10) using the 2 bolts (11) and spacers (9) underneath. Tighten the bolts (11) evenly to a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Step 4: install the damper clamp

- Spacer d6 L12 (4)
- Washer M6 ϕ 12 (5)
- 1x O-Ring (6)
- Damper Clamp (7)
- Bolt M6x35 Button head (8)

Mount the damper clamp (7) to the tank bracket (1) with the spacer (4), washer (5) and O-ring (6) using bolt (8). Make sure the O-ring is compressed evenly. Tighten the bolt (8) to a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft.

Step 5: install the steering damper

- Spacer d8 L16 (12)
- 1x O-ring (13)
- Steering damper, stroke 68 (14)
- Bolt M8x40 Button head (15)

Ensure that damper clamp is pointing forward. Shove the damper (11) through the clamp until the ball-joint can be fitted to the fork bracket (10). Use the spacer (9), O-ring (10) and M8 bolt (12) to mount the ball-joint to the fork bracket and tighten to a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Position the damper tube until the distance "X" stated on page 1 is reached, then tighten the clamp bolt (7a) to a torque of approx. 6Nm/53Lbs.In/4.4Lbs.Ft.

Reinstall the LCD display and the windscreen. Check if the damper is level horizontally and aligned to the bike. Check if the damper does not touch anything (e.g. tank) when steering from left to right. Check if the bike can make it's full steering angle from left to right.