

# HYPHERPRO

## STEERING DAMPER MOUNTING KIT

for

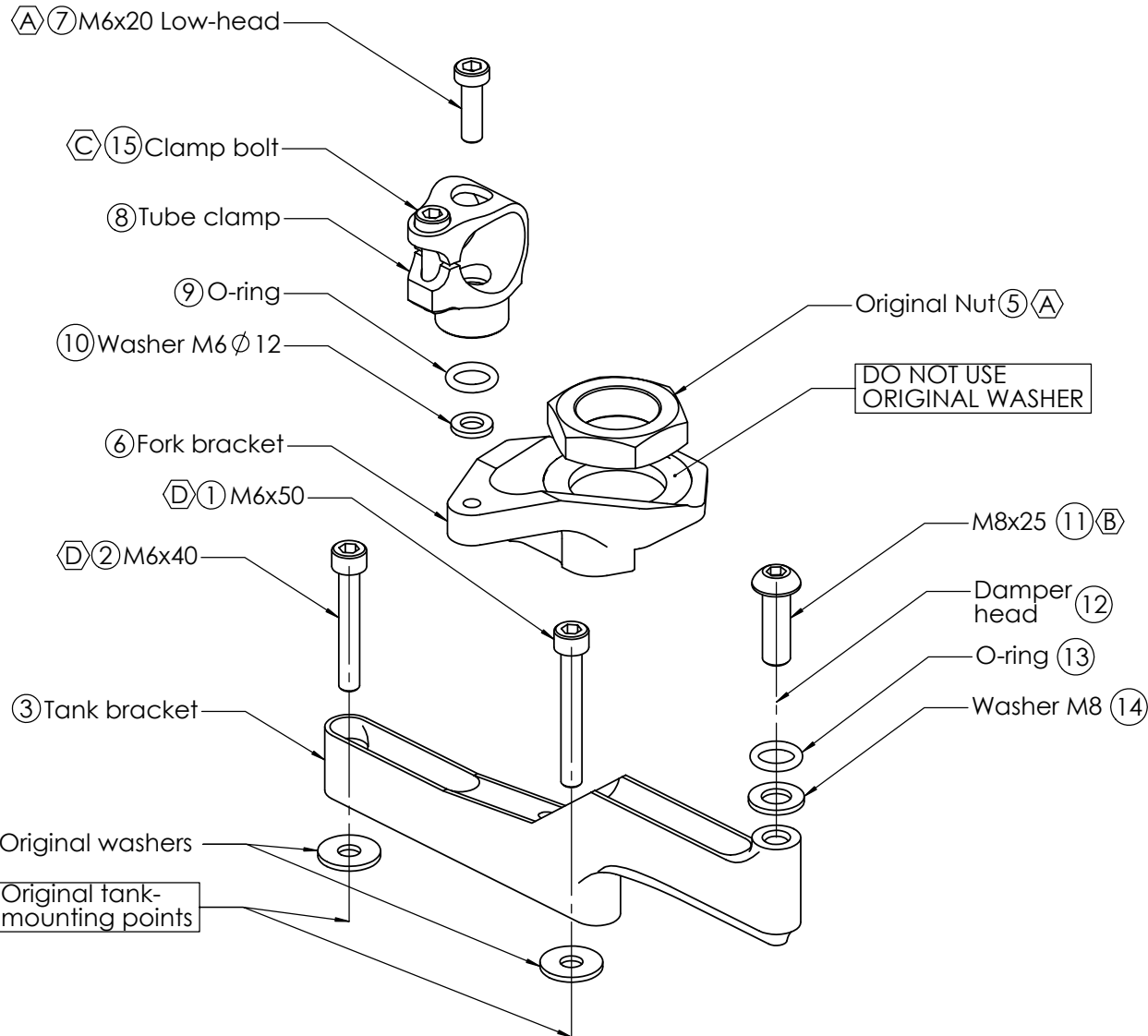
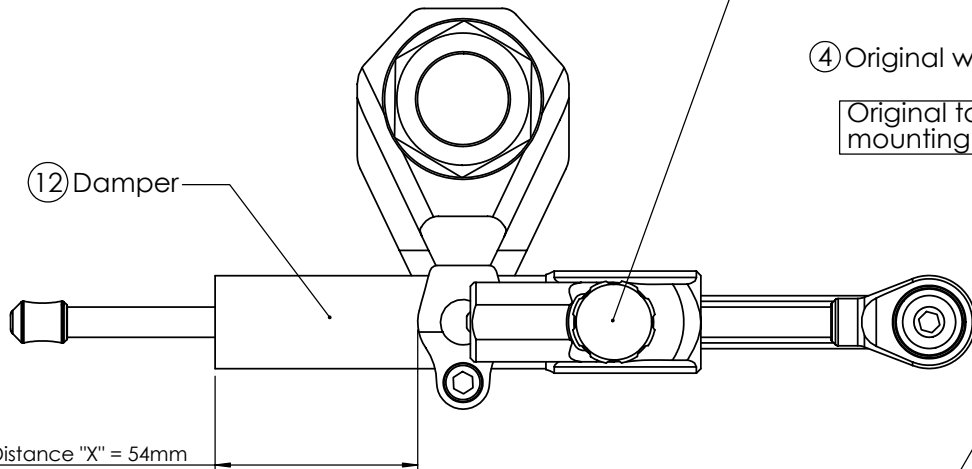
### KAWASAKI ZX-10R Model 2004 ->

#### MK-KA10-T001 PART LIST

SD stroke 75	1	M8x25 Button head	1
Tube Clamp TYPE 3	1	Washer M6 $\phi$ 12	1
O-Ring	2	Washer M8 $\phi$ 16	1
CNC Fork Bracket	1	-	-
CNC Tank Bracket	1	-	-
M6x20 Low head	1	-	-
M6x40	1	-	-
M6x50	1	-	-

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Damping adjustment knob:  
- turn CW to increase damping  
- turn CCW to decrease damping  
Avoid using maximum setting.



1  
of 2

- |   |   |   |                                     |
|---|---|---|-------------------------------------|
| A | 55-75Nm / 486-663Lbs.In / 40-55Lbs.Ft     | C | 6Nm / 53Lbs.In / 4.4Lbs.Ft          |
| B | 14-17Nm / 124-150Lbs.In / 10.3-12.5Lbs.Ft | D | 5-9Nm / 44-80Lbs.In / 4.0-6.4Lbs.Ft |

See [WWW.HYPERPRO.COM](http://WWW.HYPERPRO.COM) for the latest pictures, modifications, specs. and e-drawings of this steering damper kit.

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### MK-KA10-T001 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.

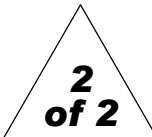
#### During installation:

- 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 contact cleaner or another degreaser, unless otherwise stated.
- Be careful 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 until 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, until 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: installing the tank bracket

- Bolt M6x40 (1)
- Bolt M6x50 (2)
- Tank bracket (3)

Remove the 2 original M6 bolts from the front tank mounting points.

Use the supplied M6x40 (1) and M6x50 bolts (2) to install the tank bracket (3).

Use the original washers (4), as shown in the right picture on page 1.

Tighten the bolts with a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft

#### Step 2: installing the fork bracket

- Fork bracket (6)

Loosen and remove the steering stem nut (5), using a 36mm socket wrench. Remove standard washer. Place the fork bracket (6) over the thread and in the pocket, using the edge on the bottom for positioning on the flat side of the top yoke. Replace the nut on top of the forkclamp, DO NOT USE THE STANDARD WASHER, and tighten carefully with a torque of approx. 55-75Nm/486-663Lbs.In/40-55Lbs.Ft.

#### Step 3: fork bracket assembly

- Fork bracket (6)
- Bolt M6x20 Low head (7)
- TubeClamp TYPE 3 (8)
- 1x O-Ring (9)
- Washer M6 Ø 12 (10)

Put the assembly together as shown on page 1: On the fork bracket (6), use the M6 bolt (7) to mount the tube clamp (8), O-ring (9) and washer (10), on the M6 hole. Tighten the bolt with a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft.

#### Step 4: installing the steering damper

- Bolt M8x30 button head (11)
- Steering damper (12)
- 1x O-ring (13)
- Washer M8 Ø 16 (14)

Ensure that the clamp bolt (15) of the tube clamp is pointing backward. Shove the damper (12), with the end-knob first, through the clamp until the uniball can be fitted to the tank bracket.

Use the M8 bolt (11) to fixate the balljoint, O-ring (13) and washer (14) to the tank bracket and tighten with a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft. Move the damper tube until the distance "X" (=54mm) stated on page 1 is reached, then tighten the M6 clamp bolt (15) with a torque of approx. 6Nm/53Lbs.In/4.4Lbs.Ft.

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 its full steering angle from left to right.

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