

# HYPHERPRO

## STEERING DAMPER MOUNTING KIT

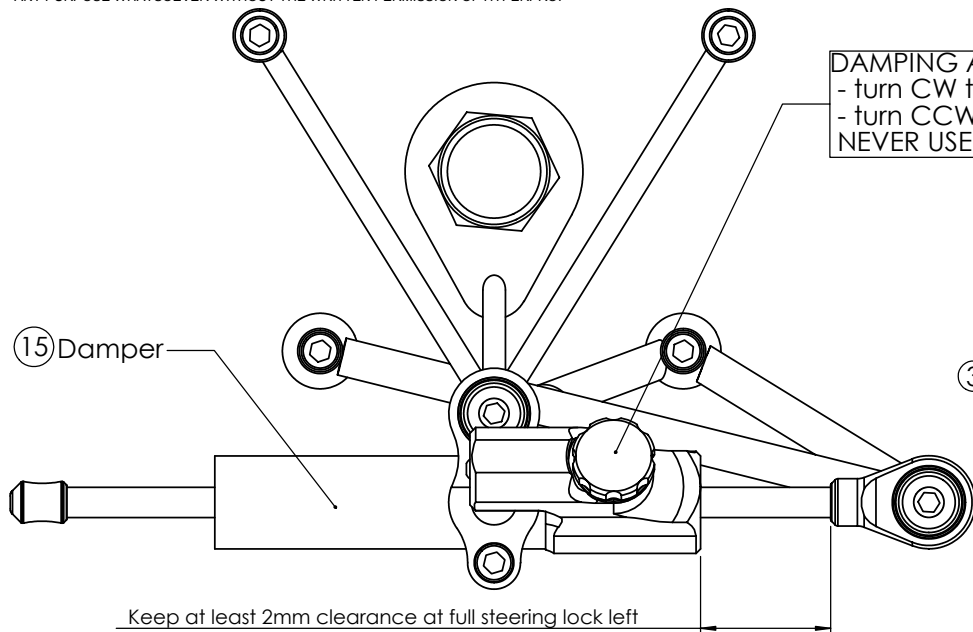
for

### KAWAZAKI ZX-6R Model 1998 - 1999<

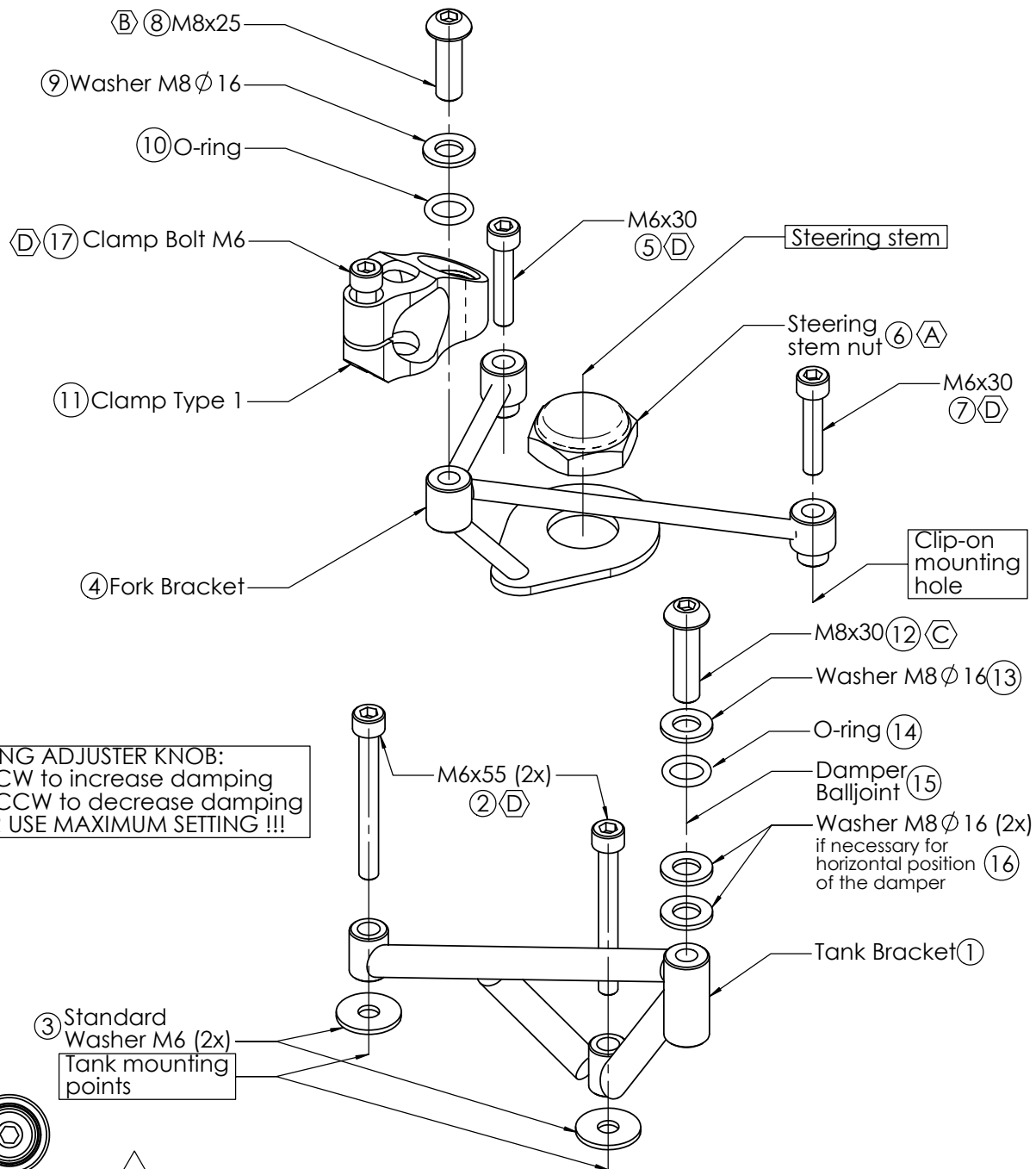
#### MK-KA06-T002 PART LIST

SD stroke 75	1	M6x30	2
Tube Clamp TYPE 1	1	Washer M8Ø16	4
O-Ring	2	-	-
Fork Bracket	1	-	-
Tank Bracket	1	-	-
M8x30 Button head	1	-	-
M8x25 Button head	1	-	-
M6x55	2	-	-

ALL IDEAS, DESIGNS ARRANGEMENTS AND PLANS INDICATED OR REPRESENTED BY THIS DRAWING ARE OWNED BY HYPERPRO AND WERE CREATED, EVOLVED AND DEVELOPED FOR USE ON AND IN CONNECTION WITH THE SPECIFIC PROJECT. NONE SUCH IDEAS, DESIGNS, ARRANGEMENTS OR PLANS SHALL BE USED BY OR DISCLOSED TO ANY PERSON, FIRM OR CORPORATION FOR ANY PURPOSE WHATSOEVER WITHOUT THE WRITTEN PERMISSION OF HYPERPRO.



**DAMPING ADJUSTER KNOB:**  
- turn CW to increase damping  
- turn CCW to decrease damping  
NEVER USE MAXIMUM SETTING !!!



1  
of 2

Ⓐ 55-75Nm / 486-663Lbs.In / 40-55Lbs.Ft	Ⓒ 6Nm / 53Lbs.In / 4.4Lbs.Ft
Ⓑ 14-17Nm / 124-150Lbs.In / 10.3-12.5Lbs.Ft	Ⓓ 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-KA06-T002 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-skies, 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.

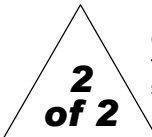
##### During installation:

- 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

- Tank bracket (1)
- 2x Bolt M6x55 (2)

Remove the 2 standard M6 bolts and washers from the front tank mounting points. Install the tank bracket (1), using the 2 original M6 washers (3) and the supplied M6x45 bolts (2), place the original M6 washers (3) underneath the bracket for support 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 (4)
- 2x Bolt M6x30 (5 & 7)

Remove the two original M6 bolts holding the clip-ons. Loosen and remove the steering stem nut (6). Place the fork bracket (4) over the thread and in the clip-on pockets. Place the two supplied bolts (5 & 7) as shown on page 1. Replace the nut (6) on top of the fork clamp and tighten carefully with a torque of approx. 55-75Nm/486-663Lbs.In/40-55Lbs.Ft. Tighten the bolts (5 & 7) with a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft.

##### Step 4: installing the tube clamp

- Tube Clamp TYPE 1 (11)
- 1x O-Ring (10)
- Bolt M8x25 Button head (8)
- Washer M8  $\phi$  16 (9)

Put the assembly together as shown on page 1: Take the fork bracket (4), place the tube clamp (11), the washer (9) and the O-ring (10) inline on top of the M8 hole and put the M8 bolt (8) through all the parts and screw it into the thread of the bracket. Tighten the bolt with a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

##### Step 5: installing the steering damper

- Steering damper (15)
- 1x O-ring (14)
- Washer M8  $\phi$  16 (13 & 16)
- Bolt M8x30 button head (12)

Ensure that the clamp bolt of the Tube clamp is pointing forward. Shove the damper (15), with the end knob-side first, through the clamp until the ball joint can be fitted to the tank bracket. Put the assembly together as shown on page 1, add washers (16) if necessary for horizontal position of the steering damper. Use the O-ring (14), the washer (13 & 16) and M8 bolt (12) to fixate the balljoint to the tank bracket and tighten with a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft. Carefully steer fully to the left. Adjust the position of the tube so there is at least 2mm of space between the endcap and the balljoint, then tighten the M6 clamp bolt (17) 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 it's full steering angle from left to right.

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