

HYPHERPRO

STEERING DAMPER MOUNTING KIT

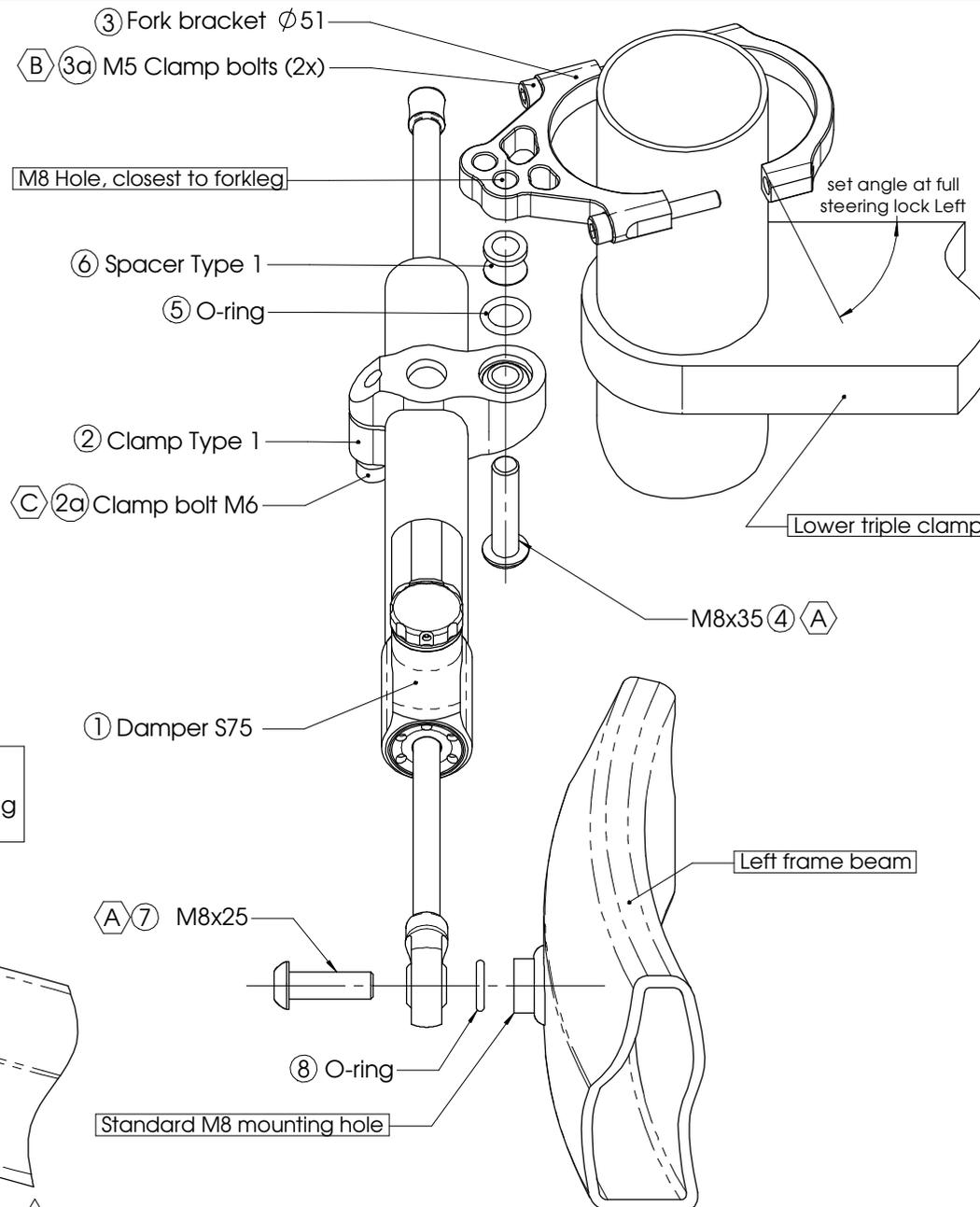
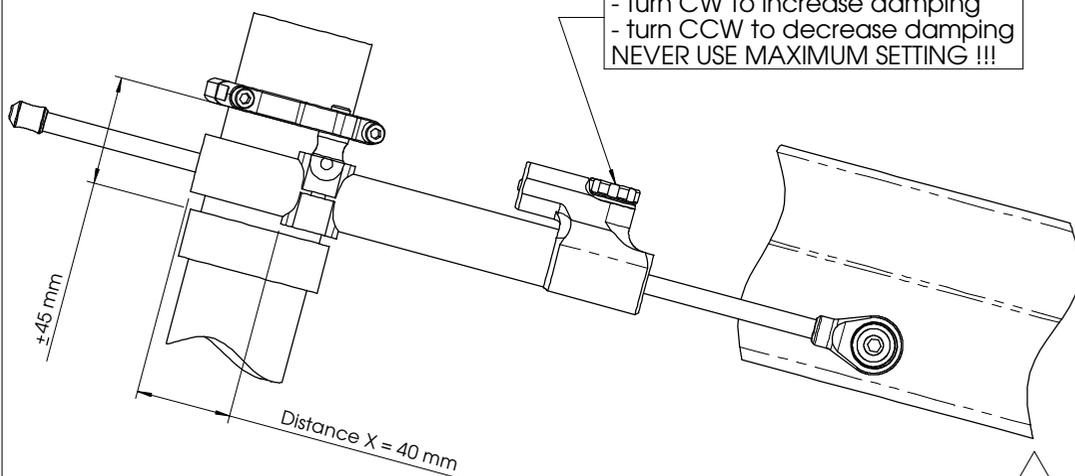
for
KAWASAKI ZXR 400
Models 1991 ->

MK-KA04-S001 PART LIST

SD stroke 140	1	-	-
Tube Clamp TYPE 1	1	-	-
O-Ring	2	-	-
Fork Clamp $\phi 51$	1	-	-
Spacer TYPE 1	1	-	-
M8x25 Button head	1	-	-
M8x35 Button head	1	-	-
-	-	-	-

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



1
of 2

A 14-17Nm / 124-150Lbs.In / 10.3-12.5Lbs.Ft

B 8Nm / 70Lbs.In / 5.9Lbs.Ft

C 6Nm / 53Lbs.In / 4.4Lbs.Ft

See WWW.HYPERPRO.COM for the latest pictures, modifications, specs. and e-drawings of this steering damper kit.

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KAWASAKI ZXR400

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MK-KA04-S001 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.

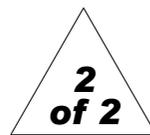
During installation:

- 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 brackets

- Steering damper, Stroke 75mm (1)
- Tube clamp type1 (2)
- Fork bracket $\varnothing 51$ (3)
- M8x35 button head (4)
- O-ring (5)
- Spacer Type1 (6)

Loosen the clamp bolt (2a) of the tube clamp (2) and shove it over the damper. Make sure that it is orientated as shown on page 1. Set the mounting distance at 40mm as distance "X" on page 1. Tighten the clamp bolt with a torque of approx. 6Nm/53Lbs.In/4.4Lbs.Ft

Remove the 2 M5 clamp bolts (3a) from the fork bracket assembly (3). Mount the part with the M8 holes to the tube clamp (2), using the M8x35 bolt (4), o-ring (5) and spacer (6). Make sure that all parts are oriented as shown on page 1 and that the "closest" hole is being used. Tighten the M8 bolt with a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Step 2: fitting to the bike

- M8x25 bolt (7)
- O-ring (8)

Place the two halves of the fork leg assembly (3) around the left forkleg and refit the two M5 bolts (3a). Tighten them lightly at a distance of approx. 45mm between the lower triple clamp and the fork clamp.

Fit the ball-joint of the steering damper to the frame using the M8x25 bolt (7) and the o-ring (8). Tighten the bolt with a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft

Fully turn the handlebars to the left to set the angle of the fork clamp. Leave a few mm's between the forkleg and the damper tube and retighten the two clamp bolts (3a). Check the height of the forkclamp (3) and fully tighten the bolts with a torque of approx. 8Nm/70Lbs.In/5.9Lbs.Ft

Check if the damper does not touch anything (fairing, tacho) when steering from left to right.

Check if the bike can make it's full steering angle from left to right.

If necessary, adjust the height/angle of the forkclamp and/or distance "X" to improve position or movement of the steering damper.

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