

HYPHERPRO

STEERING DAMPER MOUNTING KIT

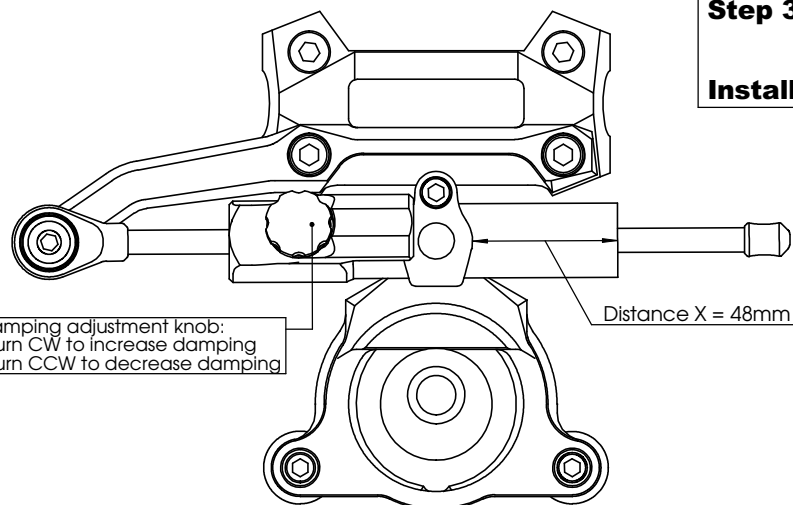
for

Kawasaki Z800 Model 2013->

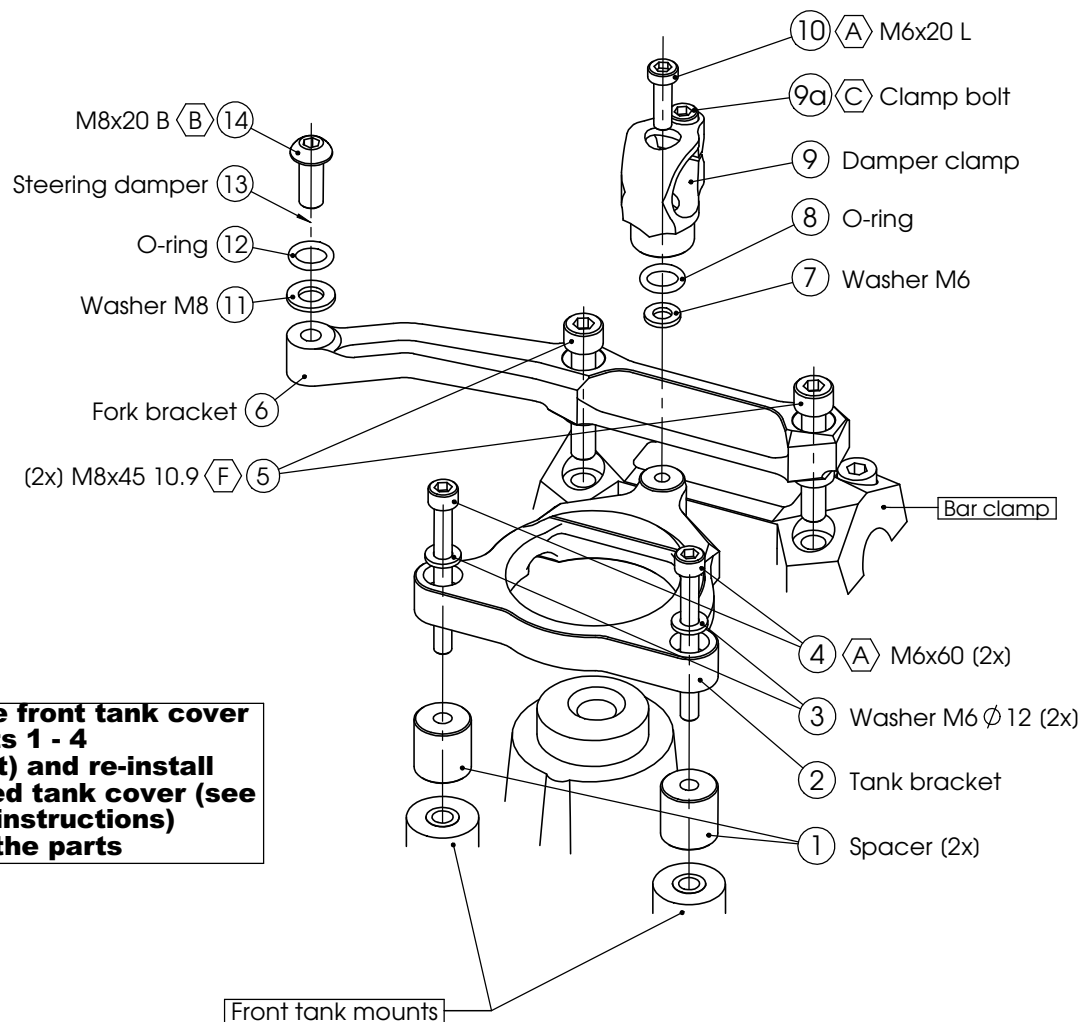
MK-KA08-T001 PART LIST

SD stroke 75	1	M8x20 Button head	1
Tube Clamp (MP-DB0003)	1	M8x45 10.9	2
O-Ring	2	Washer M6 ϕ 12	3
Fork Bracket (MP-FOMK90)	1	Washer M8 ϕ 16	1
Tank Bracket (MP-TAMK81)	1	-	-
Spacer (MP-SP061920)	2	-	-
M6x20 Low head	1	-	-
M6x60	2	-	-

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Step 1: remove the front tank cover
Step 2: install parts 1 - 4
Step 3: modify (cut) and re-install the modified tank cover (see additional instructions)
Install the rest of the parts



* TORQUES	
A: 5-9Nm / 44-80Lbs.In / 4.0-6.4Lbs.Ft	D: 8Nm / 70Lbs.In / 5.9Lbs.Ft
B: 14-17Nm / 124-150Lbs.In / 10.3-12.5Lbs.Ft	E: 55Nm / 486Lbs.In / 40Lbs.Ft
C: 6Nm / 53Lbs.In / 4.4Lbs.Ft	F: Factory torque (see owners manual)

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for

**Kawasaki Z800
Model 2013->**

MK-KA08-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: remove the front tank / ignition lock cover

Step 2: install the tank bracket

Install the tank bracket using:

- 2x Spacer d6 D19 L20 (1)
- Tank bracket (2)
- 2x Washer M6 ϕ 12 (3)
- 2x Bolt M6x60 (4)

Remove the 2 original M6 bolts and washers from the front tank mounting points. Install the tank bracket (2) on top of the spacers (1), using the 2 supplied M6x60 bolts (4) and M6 washers (3), as shown on page 1. Tighten the bolts to a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft

Step 3: modify and install the tank / ignition lock cover

See the additional instruction sheet

Step 4: install the fork bracket

Install the fork bracket pre-assembly using:

- 2x Bolt M8x45 (5)
- Fork bracket (6)

Remove the original handlebar clamp bolts. Fit the fork bracket (6) to the bar clamp using the supplied M8x45 bolts (5). Tighten the bolts to factory torque (or \pm 25Nm/220Lbs.In/18Lbs.Ft.).

Step 5: install the damper clamp

Install the damper clamp using:

- Washer M6 ϕ 12 (7)
- 1x O-Ring (8)
- Damper Clamp (9)
- Bolt M6x20 Low head (10)

Put the assembly together as shown on page 1: install the damper clamp (9) to the tank bracket (2) using the washer (7), the O-ring (8) and the M6 low head bolt (10). Tighten the bolt to a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft.

Step 6: install the steering damper

Install the steering damper using:

- Steering damper, stroke 75 (13)
- Washer M8 ϕ 16 (11)
- 1x O-ring (12)
- Bolt M8x20 button head (14)

Shove the steering damper (13), with the adjuster knob-side first, through the clamp until the distance "X" stated on page 1 is reached and rotate the damper body to the correct angle, then tighten the M6 clamp bolt (9a) to a torque of approx. 6Nm/53Lbs.In/4.4Lbs.Ft. Use the washer (11), O-ring (12) and M8 bolt (14) to mount the damper head to the fork bracket and tighten the bolt to a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.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. Adjust the position of the damper body if necessary to improve fitment.

Step 3: modify and install the tank / ignition lock cover

- apply some tape to the cutting area.
- measure and draw the cutting lines on the tape, as shown in the picture below.
- drill the corners inside the cutting area
- cut the lines from corner to corner
- test fit on the bike, modify further if necessary

original***modified***25mm
parallel

22mm parallel

25mm
parallel

13mm parallel