

HYPERPRO

STEERING DAMPER MOUNTING KIT

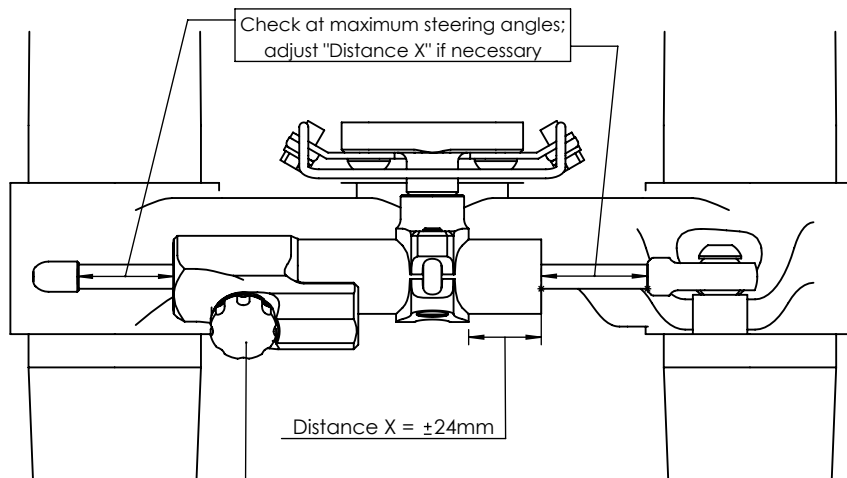
for

**KTM 790 Duke
Model 2018->**

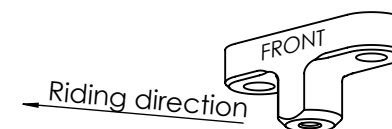
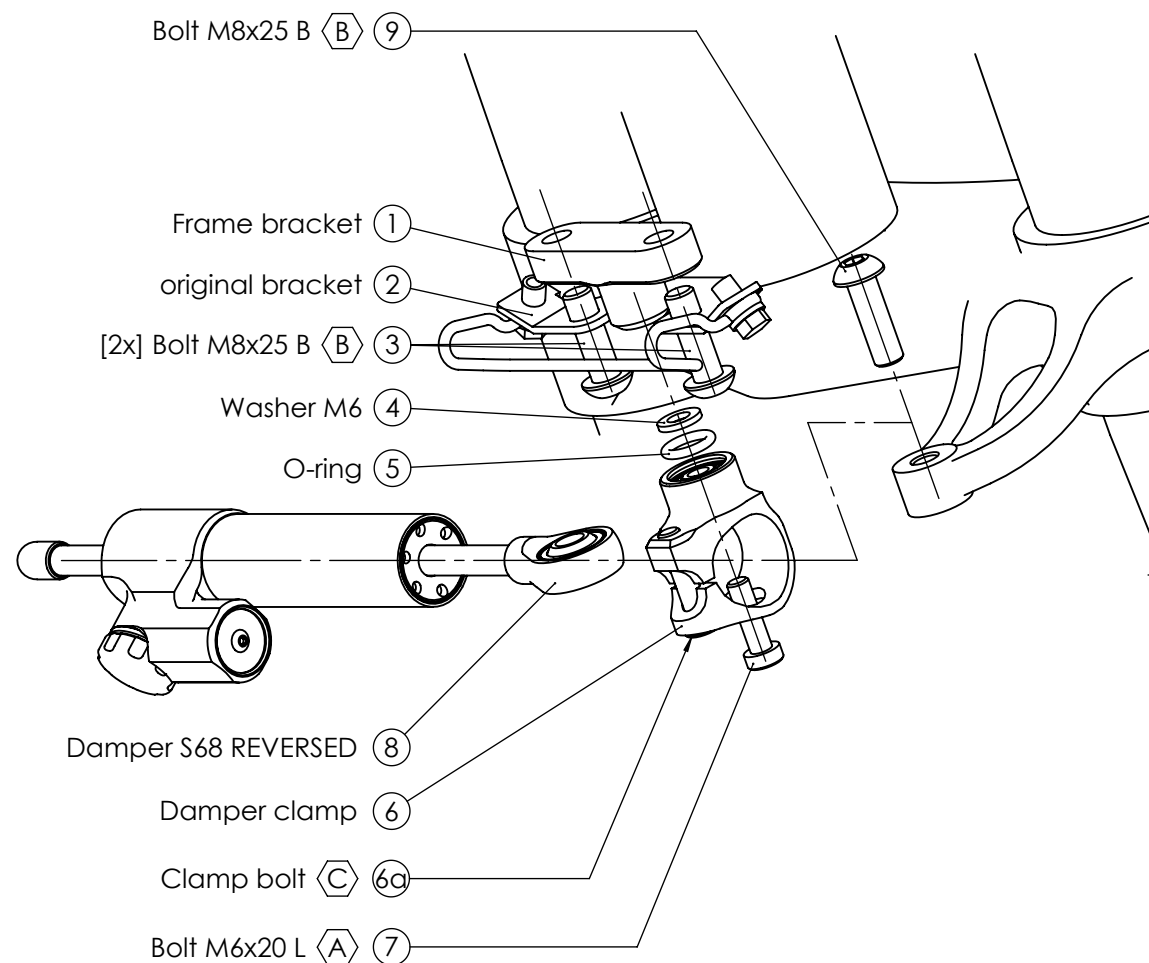
MK-KT07-0001 PART LIST

SD stroke 68 REVERSED	1	-	-
Damper Clamp [MP-DB0003]	1	-	-
Frame Bracket [MP-FRMK46]	1	-	-
O-Ring	1	-	-
M6x20 Low head	1	-	-
M8x25 Button head	3	-	-
Washer M6	1	-	-
-	-	-	-

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Step 1: remove the original steering damper



* TORQUES

A: 5-9Nm / 44-80Lbs.In / 4.0-6.4Lbs.Ft
B: 14-17Nm / 124-150Lbs.In / 10.3-12.5Lbs.Ft
C: 6Nm / 53Lbs.In / 4.4Lbs.Ft

D: 8Nm / 70Lbs.In / 5.9Lbs.Ft
E: 55Nm / 486Lbs.In / 40Lbs.Ft
F: Factory torque (see owners manual)

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MK-KT07-0001 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 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 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 original steering damper

Loosen and remove the 3 mounting bolts and remove the original steering damper from the bike.

Disassemble the original cable guide bracket (2) by loosening the two M6 bolts. Remove it from the original steering damper assembly. Then re-assemble the bracket, so it is ready for the next step

Step 2: install the frame bracket

Install the frame bracket using

- Frame bracket (1)
- original cable guide bracket (2)
- 2x Bolt M8x25 button head (3)

Mount the brackets (1) and (2) to the frame with the M8 bolts. Make sure that the front of the frame bracket is facing the riding direction (see the pictures on page 1) and tighten the bolts to a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Step 3: install the damper clamp

Install the damper clamp using:

- Washer M6 Ø 12 (4)
- O-Ring (5)
- Damper clamp (6)
- Bolt M6x20 Low head (7)

Install the damper clamp (6) as shown on page 1: mount the washer (4), the O-ring (5) and the damper clamp (6) to the frame bracket (1) with the M6 bolt (7). Tighten the bolt with a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft.

Step 4: install the steering damper

Install the steering damper using:

- Steering damper, stroke 68 Reversed (8)
- Bolt M8x25 button head (9)

Ensure that the clamp bolt of the Tube clamp is pointing back towards the radiator.

Shove the damper (8), with the end knob first, through the damper clamp (6) until the ball joint can be mounted to the lower triple clamp with the supplied M8 bolt (9). 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, set the damper body at the correct angle and tighten the clamp bolt (6a) to 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. radiator!) when steering from left to right. Check if the bike can make it's full steering angle from left to right and if the damper body is positioned in the middle of the stroke.

If necessary, it is possible to adjust the angle and position of the steering damper body. Do not forget to re-tighten the clamp bolt (6a) afterwards!