

HYPHERPRO

STEERING DAMPER MOUNTING KIT

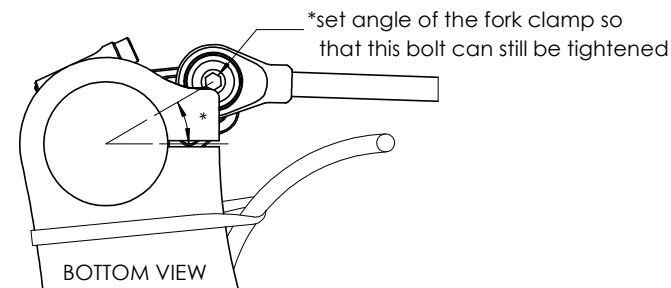
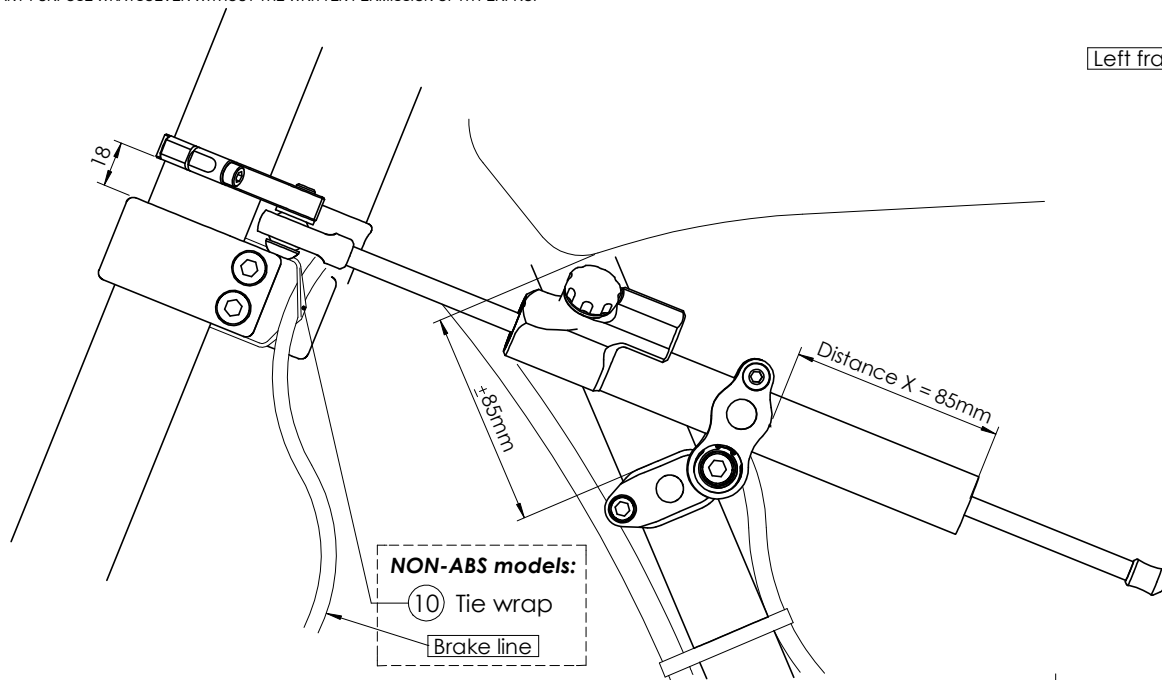
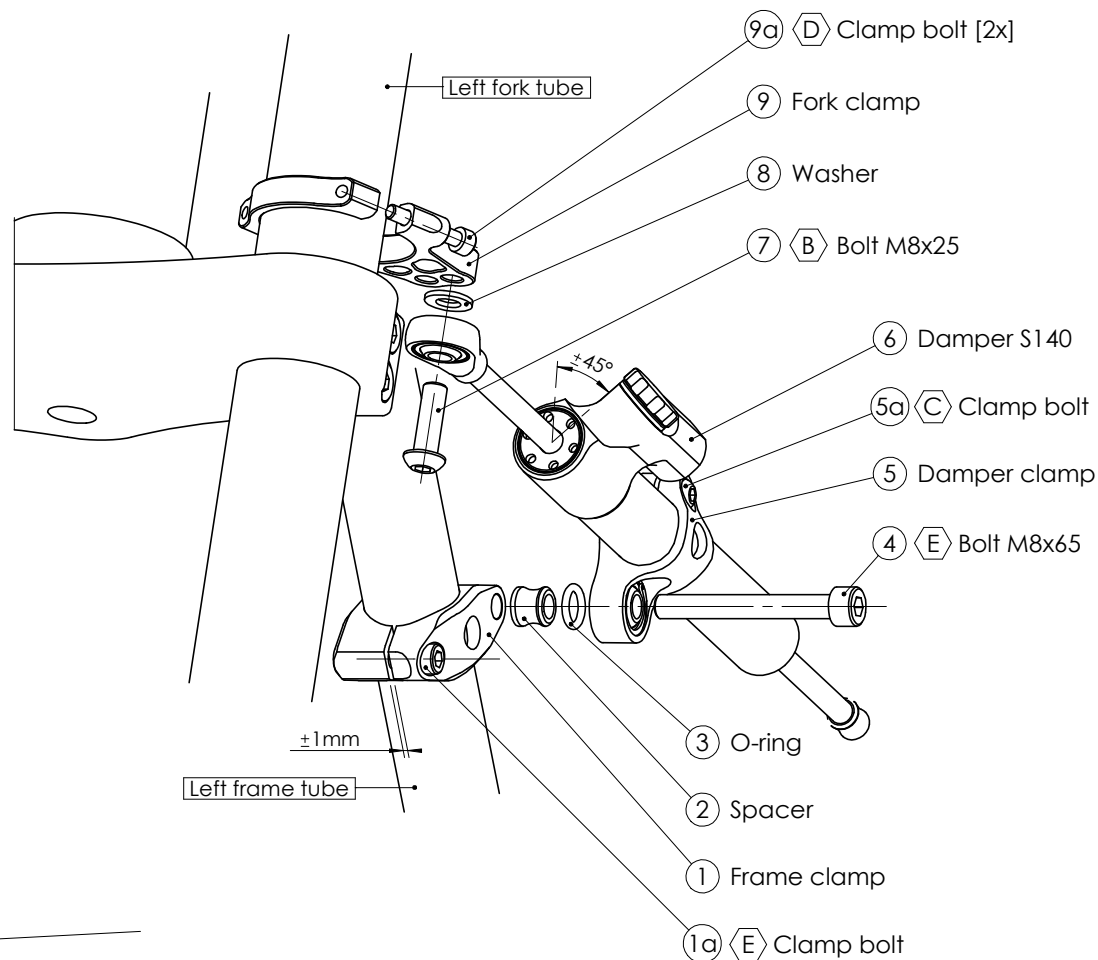
for

Royal Enfield Continental GT 535 '14-'18

MK-RE05-S001 PART LIST

SD stroke 140	1	Washer M8 ϕ 16	1
Damper Clamp [MP-DB018235]	1	Tie wrap L300	1
O-Ring	1	-	-
Fork Clamp [MP-FC0410]	1	-	-
Frame Clamp [MP-FB0015]	1	-	-
M8x25 Button head	1	-	-
M8x65	1	-	-
Spacer [MP-SP0001]	1	-	-

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* 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: 10Nm / 88Lbs.In / 7.4Lbs.Ft
C: 6Nm / 53Lbs.In / 4.4Lbs.Ft	F: Factory torque (see owners manual)

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MK-RE05-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 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: install the frame clamp and damper clamp

Install the frame and damper clamp using:

- Bolt M6x30 (1a)
- Frame clamp (1)
- Spacer (2)
- O-ring (3)
- Bolt M8x65 (4)
- Damper Clamp (5)

Install the frame clamp parts (1) around the left frame tube, as shown on page 1. Make sure it is orientated correctly, fit the M6x30 bolt (1a) in the smaller hole and tighten until there is a gap of approx. 1mm between the 2 clamp parts. Mount the spacer (2), O-ring (3) and damper clamp (5) to the bigger hole, using the M8x65 bolt (4). Set the frame clamp at approx. 85mm below the tank and parallel to the riding direction. Tighten the bolt (4) to a torque of approx. 10Nm/88Lbs.In/7.4Lbs.Ft.

Step 2: install the fork clamp and steering damper

Install the steering damper using:

- Steering damper, stroke 140 (6)
- Bolt M8x25 button head (7)
- Washer M8 (8)
- Fork clamp (9)
- Tie wrap (10) (NON-ABS models)

Pre-assemble the fork clamp (9) and steering damper (6). Use the M8 bolt (7) and washer (8) to mount the ball-joint to the furthest hole of the fork clamp (see pictures) and tighten the bolt to a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Shove the steering damper (6) through the damper clamp (5) until the fork clamp (9) can be fitted to the left fork leg. Mount the fork clamp (9) the parts around the left fork leg as shown on page 1, 18mm above the lower triple tree. Make sure it is aligned properly (see bottom view) and tighten the clamp bolts (9a) to a torque of approx. 8Nm/70Lbs.In/5.9Lbs.Ft.

Position the damper tube until the distance "X" stated on page 1 is reached, set the angle of the body to about 45° from vertical, then tighten the clamp bolt (5a) to a torque of approx. 6Nm/53Lbs.In/4.4Lbs.Ft.

If your bike is NOT equipped with ABS, use a Tie wrap (10) to mount the brake line to the back of the lower triple clamp, as shown in the pictures. Not too tight, check movement of the brake line during steering and when pushing the fork.

Step 3: fine tuning

Check if the bike can make it's full steering angle from left to right, without being limited by the steering damper. If the damper limits either angle, modify Distance X to improve. If the damper makes too much stroke, rotate the fork clamp (9) slightly inward towards the steering head until the damper does not limit the steering angle.

Check if the damper does not touch anything (e.g. tank) when steering from left to right. Adjust the position and angle of the clamps and/or damper body if necessary.

Do not forget to re-tighten the parts!