

HYPHERPRO

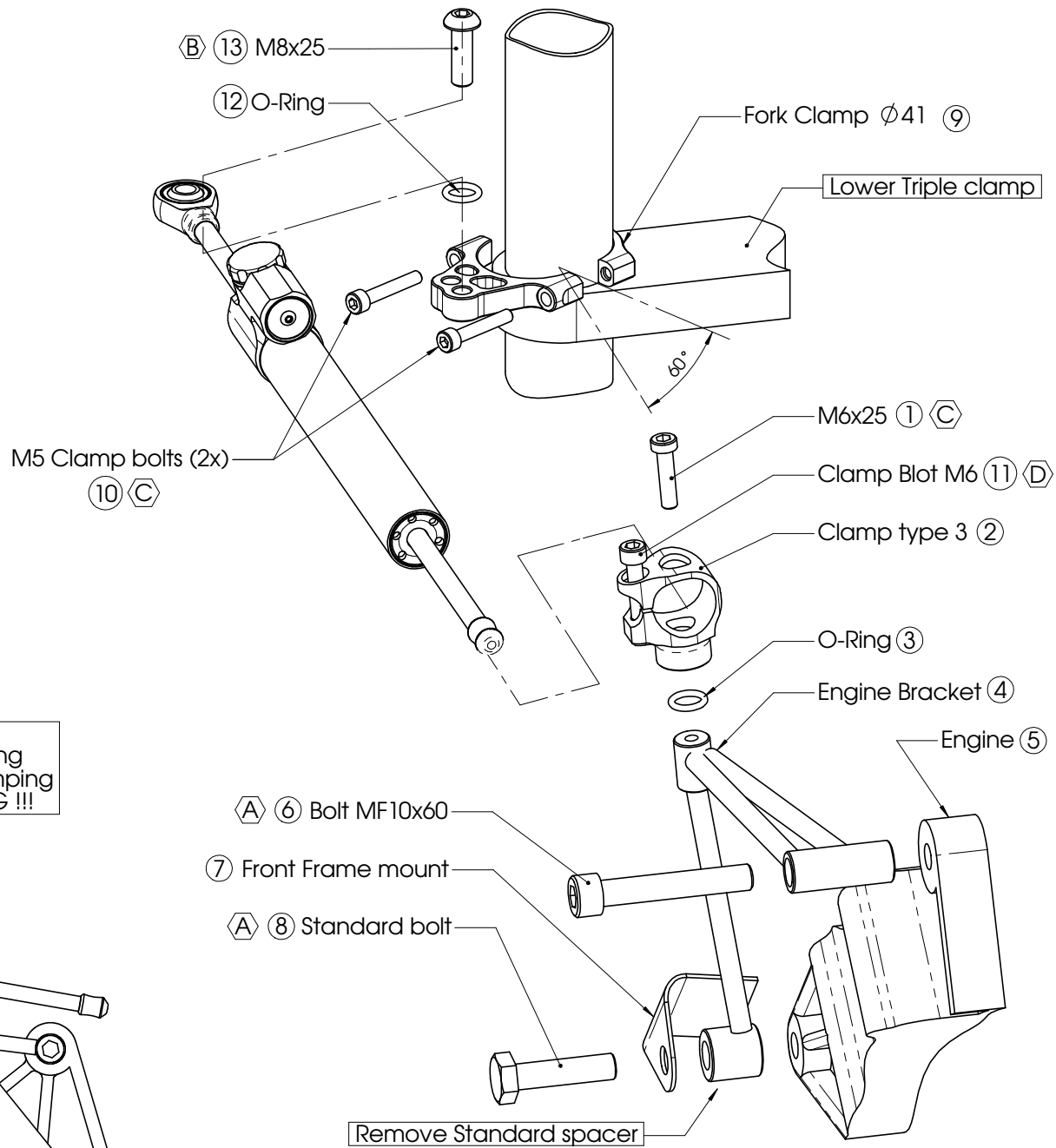
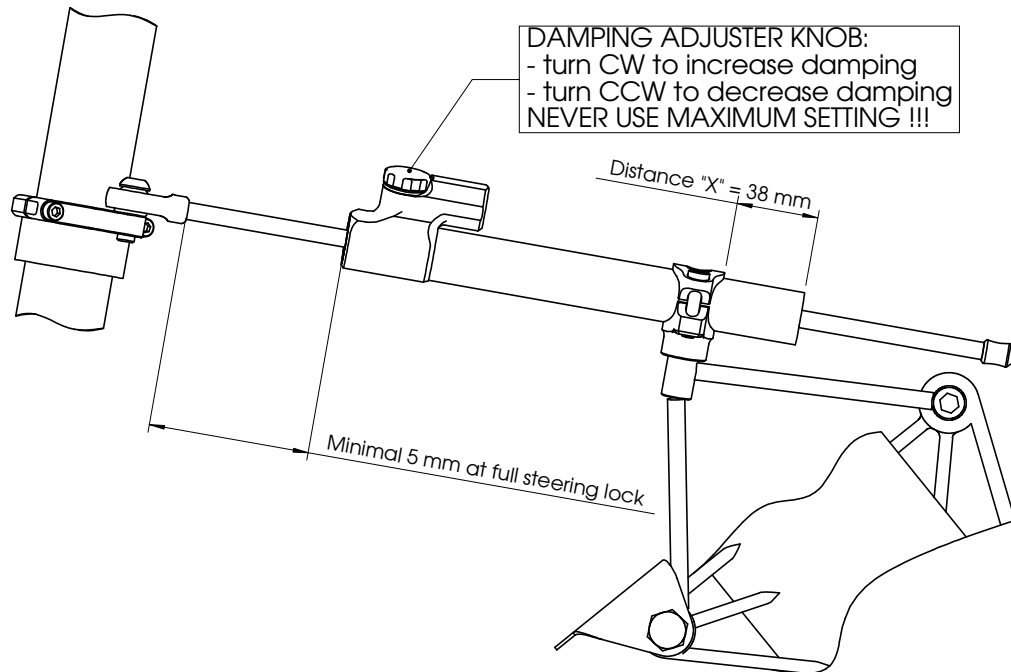
STEERING DAMPER MOUNTING KIT

for
HONDA CB600SF Hornet
Model 1998 - 2002<

MK-H006-S004 PART LIST

SD stroke 160	1	-	-
Tube Clamp Type 3	1	-	-
Engine Bracket	1	-	-
Fork Clamp $\phi 41$	1	-	-
O-Ring	2	-	-
M8x25 Button head	1	-	-
M6x25 Low head	1	-	-
MF10x60	1	-	-

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.



(A)	14-17Nm / 124-150Lbs.In / 10.3-12.5Lbs.Ft	(C)	8Nm / 70Lbs.In / 5.9Lbs.Ft
(B)	14-17Nm / 124-150Lbs.In / 10.3-12.5Lbs.Ft	(D)	6Nm / 53Lbs.In / 4.4Lbs.Ft

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MK-H006-S004 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 engine bracket

- Bolt M6x25 Low head (1)
- Tube Clamp (2)
- O-Ring (3)
- Engine Bracket (4)
- Bolt MF10x60 (6)

Fit Tube clamp (2) to Engine bracket (4) using the M6x25 bolt (1) and O-Ring (3). Make sure it is assembled according to the pictures on page 1. Next tighten the bolt with a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft.

Remove the Standard bolt (8) at the front engine mount on the left hand side of the bike, do not throw the bolt away! Remove the original engine spacer. Put the assembly together as shown on page 1: Position the engine bracket (4) between the engine (5) and the front frame mounting (7). Use the standard bolt for the front engine mount and use bolt MF10x60 (6) for the rear engine mount. Tighten the bolts with a torque to factory specs.

Step 2: installing the fork clamp

- Fork bracket \varnothing 41 (9)

Remove the two M5 clamp bolts from the bracket (10). Place the bracket parts around the fork leg, directly on top of the lower triple clamp. Make sure that the hole with the least distance is pointing forwards (see picture on page 1). Position under 60° from riding direction as shown on page 1. Replace the clamp bolts and tighten them with a torque of approx. 8Nm/70Lbs.In/5.9Lbs.Ft

Step 3: fitting the damper

- Damper (12)
- Bolt M8x25 (13)
- O-Ring (14)

Loosen the clamp bolt (11) of the damper clamp (3) and shove it carefully over the steering damper's tube (12). Make sure the clamp bolt is pointing outwards. Lightly mount the damper to the fork clamp using bolt M8x25 (13) and O-ring (14), use the 'furthest' hole. Do not tighten bolt M8x25 (13) yet. Make sure it is assembled according to the pictures on page 1. Position the clamp at distance "X" (= 38 mm) and tighten the clamp bolt with a torque of approximately 6Nm/53Lbs.In/4.4Lbs.Ft. Check if the ball joint is minimal 5 mm from the damper tube when the bike is fully steered to the left. Next tighten the bolt M8x25 (13) with a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Check if the damper does not touch anything when steering from left to right. Check if the bike can make it's full steering angle from left to right, without being obstructed by the damper. If necessary re-position the clamp and re-tighten the bolts.