

HYPHERPRO

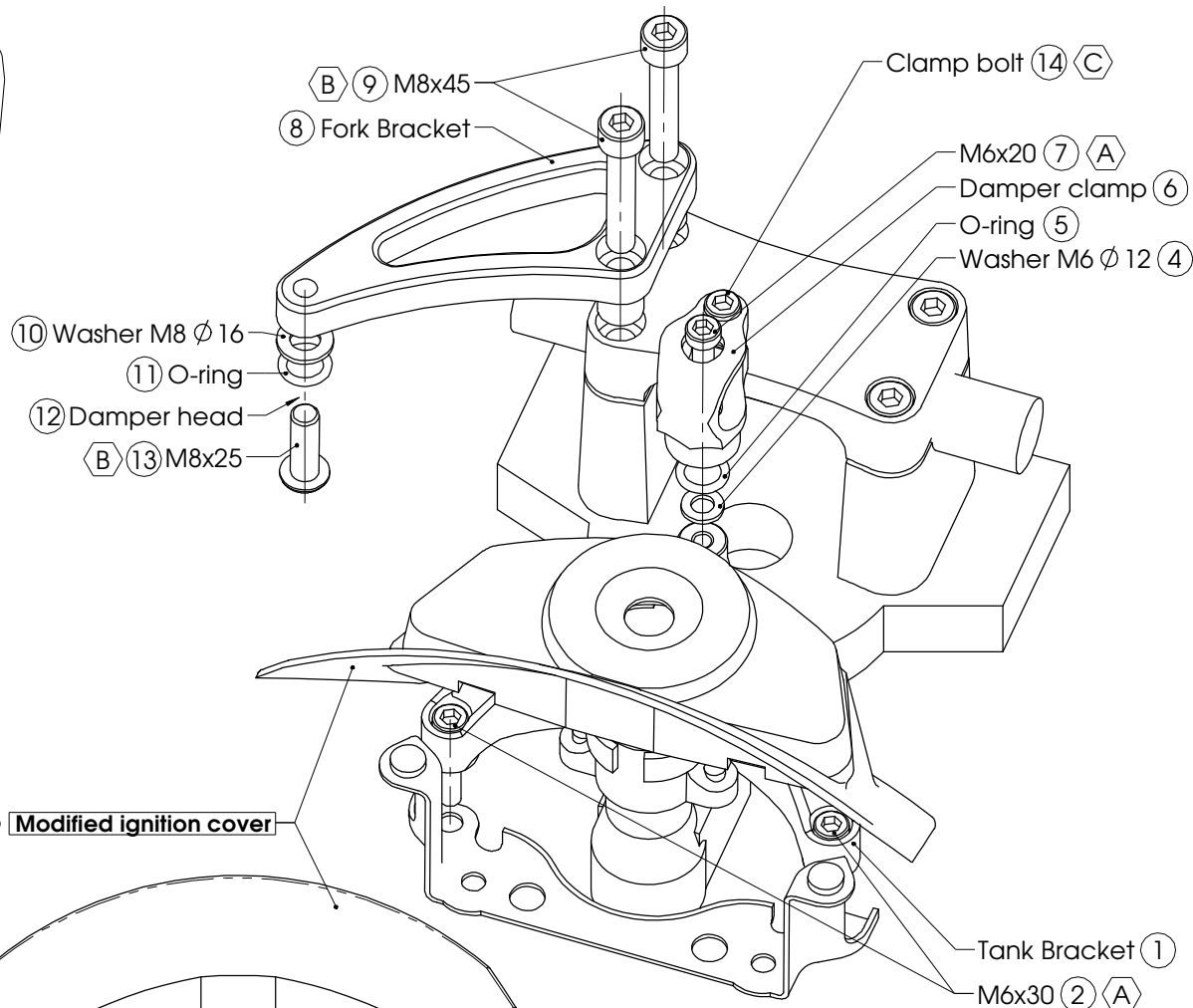
STEERING DAMPER MOUNTING KIT

for

SUZUKI GSR 600 (ABS) Model 2006>

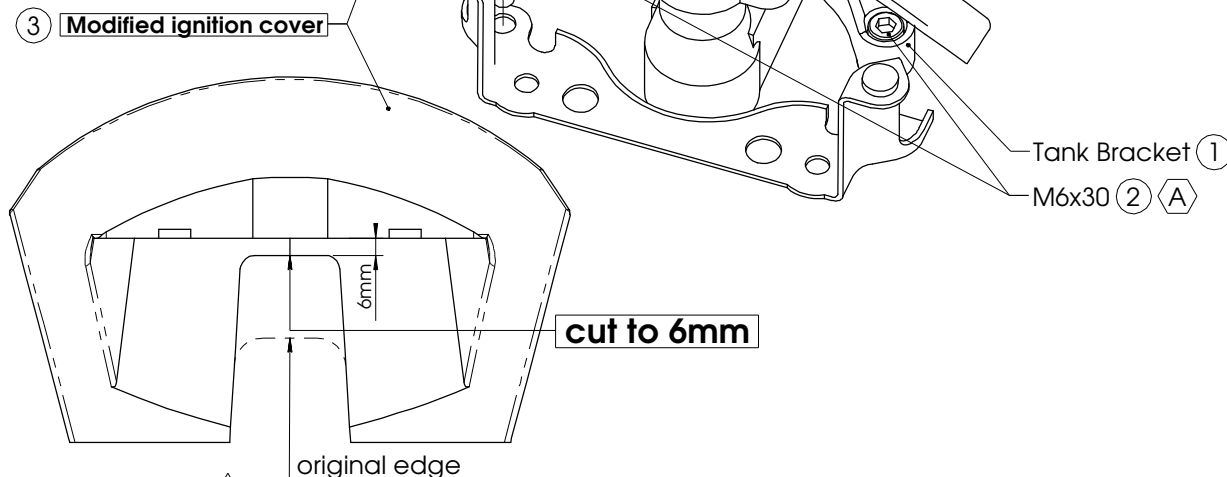
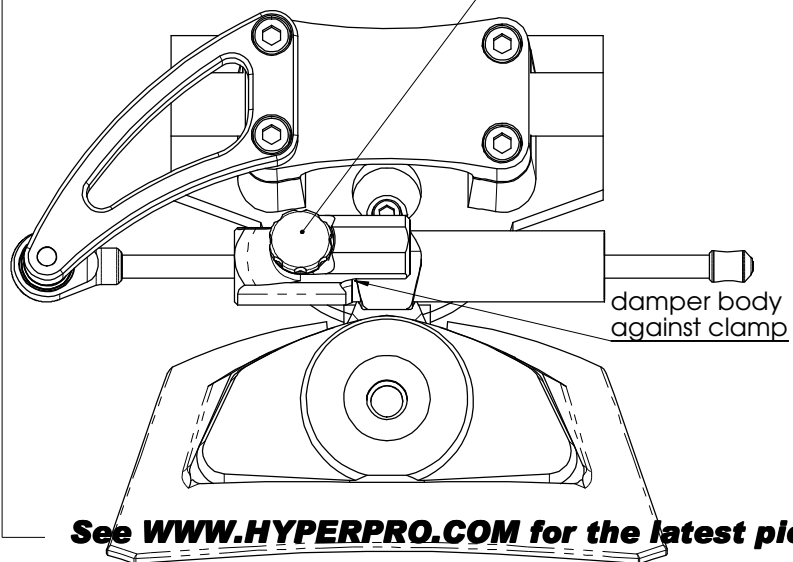
MK-SU06-T008 PART LIST

SD stroke 75	1	M8x45	2
Tube Clamp TYPE 3	1	Washer M6 ϕ 12	1
O-Ring	2	Washer M8 ϕ 16	1
CNC Fork Bracket	1	-	-
CNC Tank Bracket	1	-	-
M6x20 Low head	1	-	-
M6x30	2	-	-
M8x25 Button head	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.

Damping adjustment knob:
- turn CW to increase,
- turn CCW to decrease damping,
avoid using maximum setting.



A 5-9Nm / 44-80Lbs.In / 4.0-6.4Lbs.Ft

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

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

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

HYPERPRO

STEERING DAMPER MOUNTING KIT

for

SUZUKI GSR 600 (ABS) Model 2006>

MK-SU06-T008 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 vehical 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.

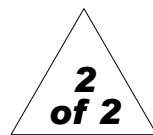
During installation:

- 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 contactcleaner 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 and modify the ignition cover

Remove the ignition key hole cover (3) by removing the two plastic bolts + rivets at the front.

Modify the cut-out as shown on page 1 so it can be fitted over the Hyperpro tank bracket.

Step 2: installing the tank bracket

Install the tank bracket using:

- Tank bracket (1)
- 2x Bolt M6x30 (2)
- Modified ignition cover from Step 1 (3)
- Washer M6 Ø 12 (4)
- 1x O-ring (5)
- Damper clamp (6)
- Bolt M6x20 Low head (7)

Remove the two most forward original M6 bolts from the bike. Fit the tank bracket (1) and use the two supplied M6x30 bolts to mount it to the frame. Tighten the bolts with a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft.

Refit the modified ignition cover (3) over the tank bracket and reinstall the electrical connector. Use the original plastic bolts and rivets.

Use the M6x20 bolt (7) to install the damper clamp (6) with the o-ring (5) and M6 washer (4) placed underneath as shown on page 1. Tighten the bolt with a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft.

Step 3: installing the fork bracket

Install the fork bracket using:

- Fork bracket (8)
- 2x M8x45 (9)

Loosen and remove the two left-hand M8 bolts from the handle-bar clamp.

Fit the fork bracket (8) on top of the clamp using the supplied M8x45 bolts (9).

Tighten the bolts with a torque of approx.14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Step 4: installing the steering damper

Install the steering damper using:

- Steering damper, stroke 75 (12)
- Washer M8 Ø 16 (10)
- 1x O-ring (11)
- Bolt M8x25 button head (13)

Ensure that the clamp bolt of the Damper clamp (6) is pointing forward. Shove the damper (12), with the knob-end first, through the clamp until the ball joint can be fitted to the fork bracket.

Use the washer (10), O-ring (11) and M8 bolt (13) to fit the balljoint to the fork bracket and tighten with a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Position the damper body against the clamp as stated on page 1, then tighten the clamp bolt (14) with 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. tank) when steering from left to right. Check if the bike can make it's full steering angle from left to right.

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