

HYPERPRO

STEERING DAMPER MOUNTING KIT

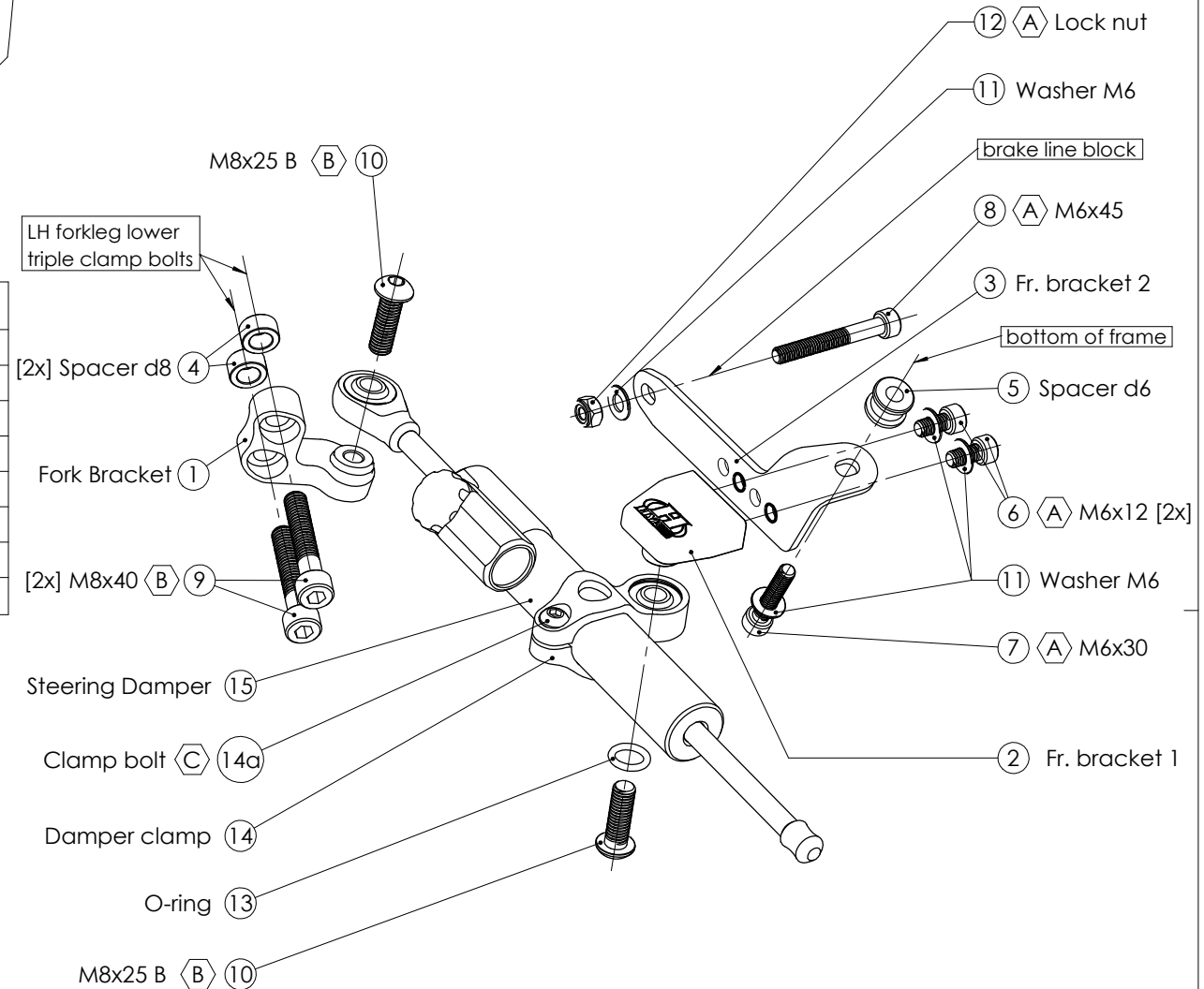
for

**Honda Dax 125
Model 2022->**

MK-H001-S001 PART LIST

SD stroke 100	1	Bolt M6x12	2
Damper Clamp [MP-DB078270]	1	Bolt M6x30	1
Fork Bracket [MP-FOMK112]	1	Bolt M6x45	1
Frame Bracket 1 [MP-FRMK53]	1	Bolt M8x25 button head	2
Frame Bracket 2 [MP-BRKT06]	1	Bolt M8x40	2
Spacer d8 L7 [MP-SP081307]	2	Lock nut M6	1
Spacer d6 L11 [MP-SP0030]	1	Washer M6 Ø 12	4
O-ring	1	-	-

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Damping adjustment knob:
- turn CW to increase damping
- turn CCW to decrease damping

Distance X = 58mm

* 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-H001-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 contactcleaner 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 untill steering movment 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, untill 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: assemble the frame bracket

Install the tank bracket using:

- Frame bracket (2)
- Frame bracket (3)
- 2x Bolt M6x12 (6)
- 2x Washer M6 $\varnothing$ 12 (11)
- O-ring (13)
- Damper clamp (14)
- Bolt M8x25 Button head (10)

Use the M6x12 bolts (6) and 2 washers (11) to mount the frame brackets (2 & 3) together. Use the rear position as shown on page 1. Tighten the M6 bolts to a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft. Install the damper clamp (14) to the frame bracket (2) using bolt M8x25 B (10) and O-ring (13). Make sure the clamp bolt (14a) is on top. Tighten the M8 bolt to a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Step 2: install the frame bracket

Install the frame bracket using:

- Frame bracket assembly
- Spacer d6 L11 (5)
- 1x O-Ring (6)
- Bolt M6x30 (7)
- Bolt M6x45 (8)
- 2x Washer M6 $\varnothing$ 12 (11)
- Lock nut M6 (12)

Remove the original bolts from the RH side of brake line block and from the center of the bottom of the frame. Mount the front of the bracket assembly (3) to the brake line block using bolt M6x45 (8), washer (11) and lock nut M6 (12). Mount the rear of the tank bracket assembly (3) using bolt M6x30 (7), washer (11) and spacer (5). Tighten the bolts and nut to a torque of approx. 5-9Nm/44-80Lbs.In/4.0-6.4Lbs.Ft

Step 3: install the fork bracket

Install the fork bracket using:

- Fork bracket (1)
- 2x Spacer d8 L7 (4)
- 2x Bolt M8x40 (9)

Remove the original pinch bolts from the LH side of the lower triple clamp. Mount the fork bracket (1) to the triple clamp using the M8x40 bolts (9) and the spacers d8 L7 (4). Tighten the M8 bolt to a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft.

Step 4: install the steering damper

Install the steering damper using:

- Bolt M8x25 button head (10)
- Steering damper, stroke 100 (15)

Shove the damper (15) with the knob-end first, through the clamp (14) untill the ball-joint can be fitted to the fork bracket. Use the M8 bolt (10) to mount the ball-joint to the fork bracket (1) and tighten to a torque of approx. 14-17Nm/124-150Lbs.In/10.3-12.5Lbs.Ft. Position the damper tube untill the distance "X" stated on page 1 is reached, then tighten the M6 clamp bolt (14a) with a torque of approx. 6Nm/53Lbs.In/4.4Lbs.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. Adjust distance X if necessary to improve.