

Mounting instructions suspension kit for HP4/S1000RR

1. Preparation for assembly the suspension kit

Place the vehicle on a level surface and secure it against falling over e.g. through the use of a rear wheel stand.

In addition, the vehicle must be jacked up so that the front wheel is fully relieved and the detent spring can be pulled out, since only in this way a correct mounting with zero adjustment can be ensured.

For assembly, a second person is very helpful.

Remove the left, upper half of the panel and the left brake caliper. If the brake caliper is dismantled do not operate the brake levers!

Also remove the bracket of the ABS sensor cable, which is omitted complete (Picture 1).

Open the cable connector of the vehicle wiring harness from the frame and remove the cover (Picture 2); Please also look into the relevant chapter in the owner's manual.



Picture 1



Picture 2

Fit the ball joints into the upper and lower bracket (Picture 3).



Picture 3

2. Mounting the suspension sensor

Mount the bottom holder.

Put the holder over the upper left fork leg and place the ABS sensor cable in the provided drilling

If necessary bend the holder careful. Look for a flush seat between the lower holder and the fork leg.

(Picture 4)



Picture 4

Tighten the allen screw carefully

Open the upper stop clamp, position the clamp 20mm above the lower fork bridge (Picture 5) and tighten the allen screw so that the clamp can still be moved.



Picture 5

Open the holding clips of the ball joints on the sensor, click the sensor on the ball joints and close the retaining clips. (Pictures 6 and 7)



Picture 6



Picture 7

Aim the sensor as shown picture 8 parallel to the fork and pull the unloaded front wheel in the detent spring. Ensure a distance of 412mm between the two ball ends.



Picture

Now insert the plug of the sensor into the socket of the wiring harness. Make sure that the snap of the sensors can be heard and felt. Now save the cable with the supplied cable ties.

Clean the two steering stoppers thoroughly with a brake cleaner or acetone and glue the velcro to the steering stoppers. Install the supplied steering stoppers using the velcro tape or double adhesive tape as shown in pictures 9 and 10 clean the adhesive joints on the frame carefully to ensure a good adhesive bond to ensure.



Picture 9



Picture 10

Check the free play of movement by pushing and releasing the fork and turning the handlebar into the left and right steering stopper. Pay particular attention to it ensure that the suspension sensor does not touch the radiator.

Finally, tighten the screws of the upper and lower bracket with approx. 3Nm.

Then mount the left brake caliper and pull the fixing screws with 38Nm.

Check the sensor by calling the DDC function on the display, see operating instructions of the vehicle from page 94 or the following instructions for calibrating the suspension sensor.

Mount the fearing.

3. Generals

Please check with your dealer that the latest firmware is installed on the DDC of their vehicle.

In case of using the sensor in connection with the interface for the S1000RR, the sensor must be set to zero position after installation in the interface, refer to the operating instructions of the interface.

Update the HP Race Data Logger software

To make the most of your new HP Race Data Logger, run the following steps. Please also refer to chapter 3 of the enclosed operating instructions for the HP Race data logger software.

1. Update your HP Race Data Logger software over the Internet. Around to use new functionalities in the future, you should perform this step from time to time.
2. Update the data logger to match your motorcycle device software.
3. To use the new evaluations, create a new import directory for your measurement datas.

4. Calibration suspension sensor

- Reduction of the damping by a maximum of seven steps
- 0: Basic settings

With height sensor on the front wheel

1. To set the pressure level, press keys 1 and 2 until "DDC-FR" (DDC-FRONT) is shown at position 3 and "COM:" (compression) at position 4.
2. To set the rebound, press keys 1 and 2 until "DDC-FR" (DDC-FRONT) is shown at position 3 and "REB:" (rebound) at position 4.
3. Keep button 2 pressed until the value next to "REB:" or "COM:" flashes
4. Use the buttons 1 and 2 to adjust the damping as desired
 - +1 ... +7: Increased damping by a maximum of seven steps
 - -1 ... -7: Reduction of the damping by a maximum of seven steps
 - 0: Basic settings



Carry out zero adjustment

1. Place the motorcycle on the side support or a suitable support stand.
2. Do not sit on the motorcycle while removing the luggage.
3. To set the zero position, first press keys 1 or 2 until "DDC" appears at position 3 and "CAL" (calibration) at position 4.
4. Press and hold down button 2 until the word "CAL" starts flashing.

