

- English -



Verwendete Symbole



Paragraphs highlighted with this symbol describe tips and practical advice for working with the 2D-Software.



Paragraphs highlighted with this symbol contain additional information which are very important to follow.

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1 Exclusion of liability

Please note that a bike equipped with the suspension sensors is not allowed to be used on public roads. The company 2D Debus & Diebold Meßsysteme GmbH does not accept any liability for any damage or error which are caused by improper usage of the product.

Furthermore, please note that usage of the suspension sensor without the steering stops is not allowed. Usage without the stops is at your own risk.

2 Preparations

Put your bike on an even surface and secure it against falling over.

In addition the bike has to be jacked up such that the front suspension is completely released.

Remove the upper fairing on the left side and the left brake caliper. Do not use the brake while the caliper is removed!

Remove the fixation of the ABS-sensor-cable. This will no longer be used (Figure 1).

Detach the socket of the harness from the chassis and remove the cover (Figure 2). Please study also the relevant chapter in the owner's manual for your bike.

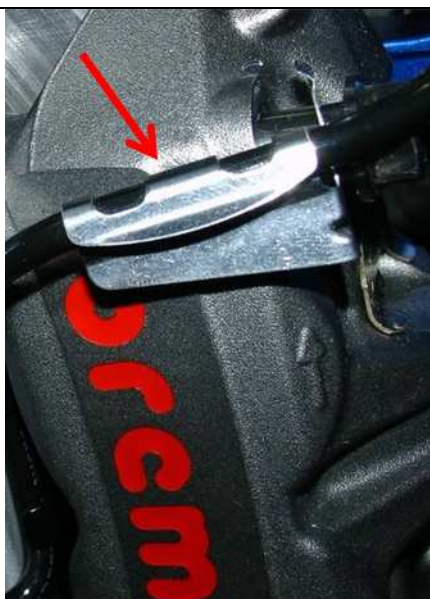


Figure 1



Figure 2

Screw the ball heads into the two fixations (Figure 3).



Figure 3

3 Mounting the suspension sensor

Mount the lower fixation by sliding it over the upper strut of the fork end.

Put the ABS-sensor-cable into the opening. If necessary widen the opening carefully.

Ensure that the fixation sits flush with the fork stop. (Figure 4)



Figure 4

Fasten the allen screw carefully.

Open the upper fixation and position it 20 mm above the lower fork end (Figure 5). Fasten the Allen screw carefully. Be sure that you can still move the fixation.



Abbildung 5

Open the clips at the ball sockets of the sensor and attach them to the ball heads of the fixations. Close the clips. (Figures 6 and 7)

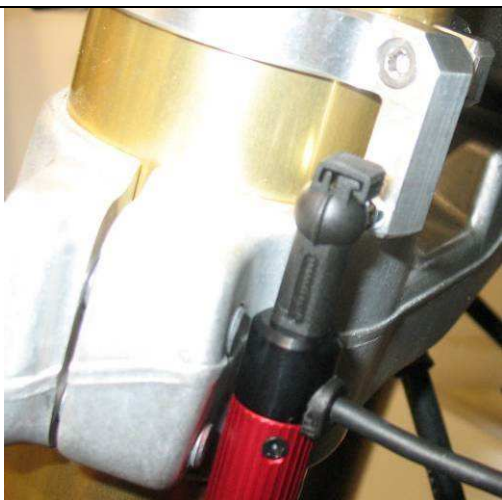


Figure 6



Figure 7

Align the sensor parallel to the fork as shown in figure 8. Extend the fork to the maximum.

Move the upper fixation until the distance between the ball heads is 412mm.



Figure 8

Connect the plug of the sensor with the socket of the harness. Be sure that they connect completely (click-sound). Secure the cable with the cable ties supplied with the sensor.

Carefully clean both steering stops with brake cleaner and Acetone. Then use enclosed instant adhesive to glue the Velcro to the steering stop. Mount the two steering stops using the supplied Velcro tapes as shown in figures 9 and 10. Make sure the areas on the frame are completely clean where the Velcro tapes are glued to.



Figure 9, left side



Figure 10, right side

Ensure that the sensor moves freely by compressing and releasing the suspension and turning the fork to the left and right.

Be sure that the sensor does not hit the radiator!

Now fix the upper and lower fixation by turning the screws with a torque of 3Nm.

Mount the brake caliper and fix the screws with a torque of 38Nm.





Test the sensor by using the DDC function in the display. Please refer to the corresponding chapter in the owner's manual of your bike.

Mount the fairing.

4 General topics

Please ensure with your dealer that your bike has the latest version of the DDC firmware.

	2D will release a firmware update for your BMW HP Datalogger and an update for the BMW HP Datalogger PC software package. The update will enable recording and analysis of the suspension sensor signals. Please follow the steps in the manual for the Datalogger manual for updating the firmware and PC software.	
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If you use the sensor in combination with a 2D interface box for the BMW S1000RR you have to set the zero position of the sensor. Please refer to the manual of the 2D interface box.

5 Updating the HP Race Datalogger Software

You should adopt the routine outlined below in order to obtain maximum benefit from your new HP Race Data Logger. In this context, be sure to read and comply with the instructions in chapter 3 of the user guide that accompanies the HP Race Data Logger software:

1. Update your HP Race Data Logger software via the internet. You should update at regular intervals so that you can make full use of new functions as they are introduced.
2. Update the Data Logger with the right device software for your motorcycle.
3. Create a new import directory for your measured data, then you will be able to use the new analyses.