

# Mounting Instructions

BM 048 – BMW F 650 GS

## Kit contents

Shock absorber 46 HRCS	BM 048	
Tie rap	00231-01	2
Sticker Öhlins	00192-01	2
Memo sticker	01180-01	1
Owners manual		1

## Set-up data

Lenght	328.5 mm
Stroke	60.5 mm
Rebound adjustment	14 clicks
Compression adjustment	12 clicks
Spring Preload	15 mm

## Recommendations

F1 - F2:	40 - 50 mm
F1 - F3:	55 - 65 mm
R1 - R2:	20 - 30 mm
R1 - R3:	55 - 65 mm



ADVANCED SUSPENSION TECHNOLOGY

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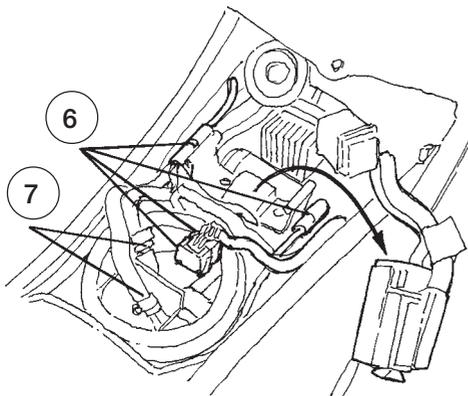


6

Remove the control box and all electric connections (4 pcs) and let the loose wiring hang out to the right side of the motorcycle.

**CAUTION!**

*When removing the fuel tank it must be emptied or contain very small amounts of fuel. Otherwise it will flow over when the fuel lines are loosened.*

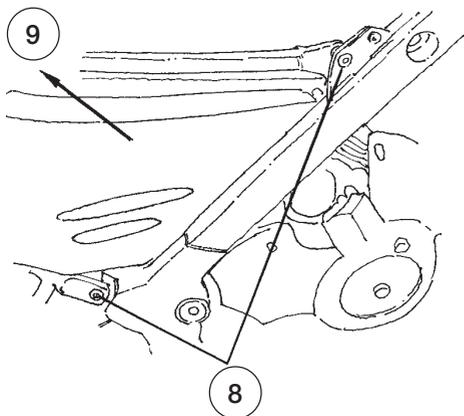


7

Loosen the two fuel lines.

8

Loosen the four bolts holding the rear subframe unit.



9

Lift the rear unit backwards, upwards and remove it from the motorcycle.

10

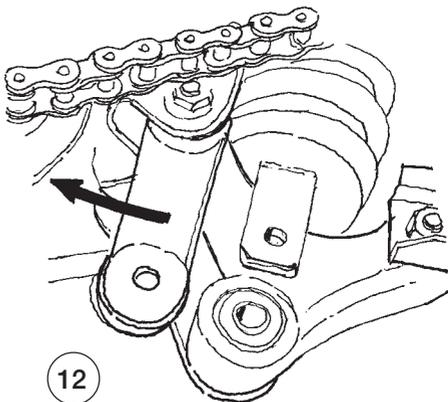
Remove the original reservoir by loosening the two o-rings of the bracket.

11

Loosen and remove the original hydraulic pre-load adjuster and the bracket.

12

Loosen the lower bracket of the right droplink and pull it backwards, so the lower shock absorber mount is reachable.



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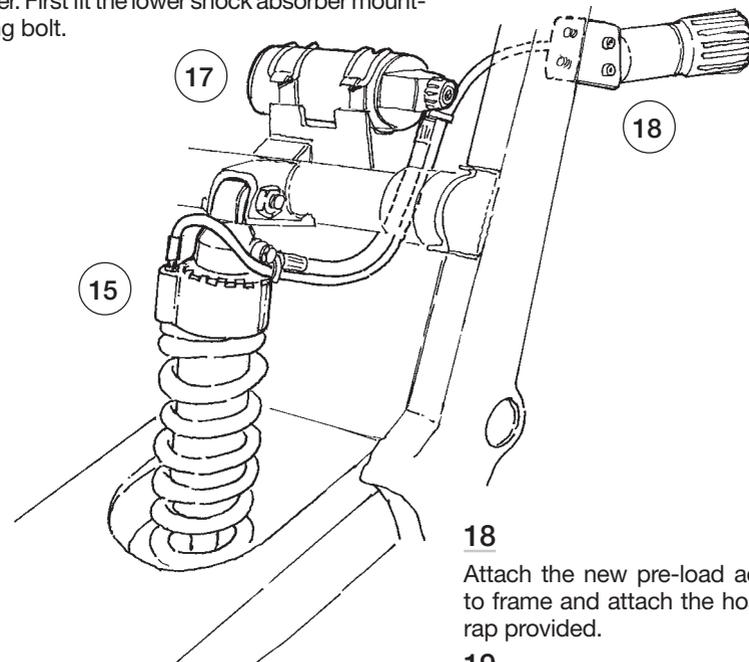
Loosen the lower shock absorber mounting bolt to release the shock absorber from the triangle link.

14

Loosen the upper shock absorber mounting bolt and remove the shock absorber by lifting it upwards.

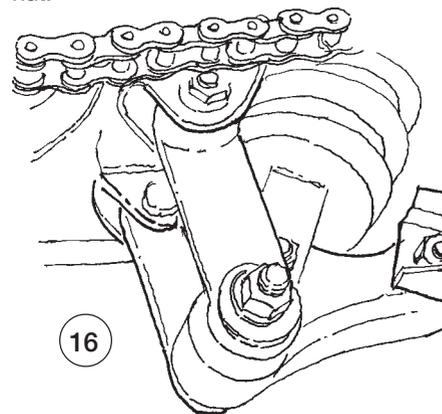
15

Fit the Öhlins shock absorber in reverse order. First fit the lower shock absorber mounting bolt.



16

Then fit the upper shock absorber mounting bolt and tighten. Bring the droplink back in position again and fit the pivot bolt and nut.



17

Fit the reservoir in the original bracket. Pull the hose under the upper shock absorber bracket.

18

Attach the new pre-load adjuster bracket to frame and attach the hose with the tie-rod provided.

19

Refit the fuel tank and fix the bolts. Refit the fuel lines and the electrical connections. Refit the control box.

20

Put the brake fluid reservoir back in position.

21

Refit first the left and then the right silencer.

22

Put the seat back in position and lock it. Close the toolbox lid.

**NOTE!**

*Make sure that all bolts are tightened to the correct torque and that nothing fouls or restricts movement of the shock absorber when the suspension is being fully compressed or extended.*

23

Continue your work according to Owners manual.