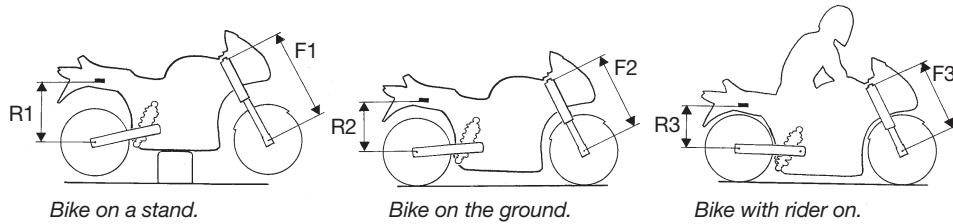


Owners Manual

Mounting instructions Öhlins shock absorber kit SU 904 for Suzuki RGV 250 -89



Checking sag and ride height

Front suspension

F1. Bike on a stand with the suspension fully extended =

F2. Bike on the ground without rider =

F3. Bike on the ground with rider =

Free sag F1 - F2 =

Ride height F2 - F3 =

Rear suspension

R1. Bike on a stand with the suspension fully extended =

R2. Bike on the ground without rider =

R3. Bike on the ground with rider =

Free sag R1 - R2 =

Ride height R2 - R3 =

NOTE!

*If ride height is higher than recommended,
softer spring/springs must be used.
If ride height is lower than recommended,
harder spring/springs must be used.
Contact your Öhlins dealer for advice.*

Kit contents

Shock absorber Type 46HRCL	SU904	1
Sticker	00197-01	2
Mounting rubber	00230-01	2
Tie-rap	00231-01	2
Hose clamp	00643-02	2
Hook spanner	00710-02	1
Sticker "Memo notes"	01180-01	1
Owners manual		1

Set-up data

Total length	300 (+12 -0) mm
Stroke	55 mm
Preload spring	11 mm
Rebound adjustment	16 clicks
Compression adjustment	10 clicks



Öhlins Racing AB, Box 722, S-194 27 Upplands Väsby, Sweden.
Phone +46 8 590 025 00. Fax +46 8 590 025 80
www.ohlins.com

Part No.SU 904. Issued 01 06 14

© Öhlins Racing AB. All rights reserved. Any reprinting or unauthorized use without the written permission of Öhlins Racing AB is prohibited. Printed in Sweden.



Safety signals

Important information concerning safety is distinguished in this manual by the following notations:



The Safety alert symbol means: Caution! Your safety is involved.

⚠ WARNING!

*Failure to follow warning instructions could result in **severe or fatal injury** to anyone working with, inspecting or using the suspension, or to bystanders.*

CAUTION!

Caution indicates that special precautions must be taken to avoid damage to the suspension.

NOTE!

This indicates information that is of importance with regard to procedures.

Öhlins products are subject to continual improvement and development. Consequently, although these instructions include the most up-to-date information available at the time of printing, there may be minor differences between your suspension and this manual. Please consult your Öhlins dealer if you have any questions with regard to the contents of the manual.

NOTE!

During storage and transportation, especially at high ambient temperature, the oil and grease used for assembling may run out inside the packing and damage the expanded polystyrene packing material. This is not unusual and is in no way detrimental to the shock absorber.

Kit contents

Before installing the shock absorber, please check the contents of the kit, listed on the front page of this instruction. If anything is missing, contact your Öhlins dealer.

Before installation

Öhlins Racing AB can not be held responsible for any damage whatsoever to shock absorber or vehicle, or injury to persons, if the instructions for fitting and maintenance are not followed exactly.

Similarly, the warranty will become null and void if the instructions are not adhered to.

⚠ WARNING!

1. Installing a shock absorber, that is not approved by the vehicle manufacturer, may affect the stability of your vehicle. Öhlins Racing AB cannot be held responsible for any personal injury or damage whatsoever that may occur after fitting the shock absorber. Contact an Öhlins dealer or other qualified person for advice.

2. Please study and make certain that you fully understand all the mounting instructions and the owners manuals before handling this shock absorber kit. If you have any questions regarding proper installation procedures, contact an Öhlins dealer or other qualified person.

3. The vehicle service manual must be referred to when installing the Öhlins shock absorber

Mounting Instructions

1

Remove the bottom of the fairing.

⚠ WARNING!

*1. It's advisable to have an Öhlins dealer or other qualified person to fit your shock absorber.
2. Instructions in the vehicle service manual are to be followed when changing the shock absorber.
3. When working on a lifted vehicle it must be securely supported to prevent it from falling.*

2

Put the motorcycle on a stand so the rear wheel is clear of the ground. Make sure it's steadily fixed so it will not fall over.

3

Remove the seat and left side cover.

4

Loosen and remove the two shock absorber bolts. Remove the shock upwards-rearwards.

5

Mount the Öhlin shock from rear and downwards, lift the wheel and mount the two bolts. Place the reservoir according to the mounting sketch. Mount the reservoir using mounting rubbers and hose clamps.

6

Make sure that all bolts are tightened.

7

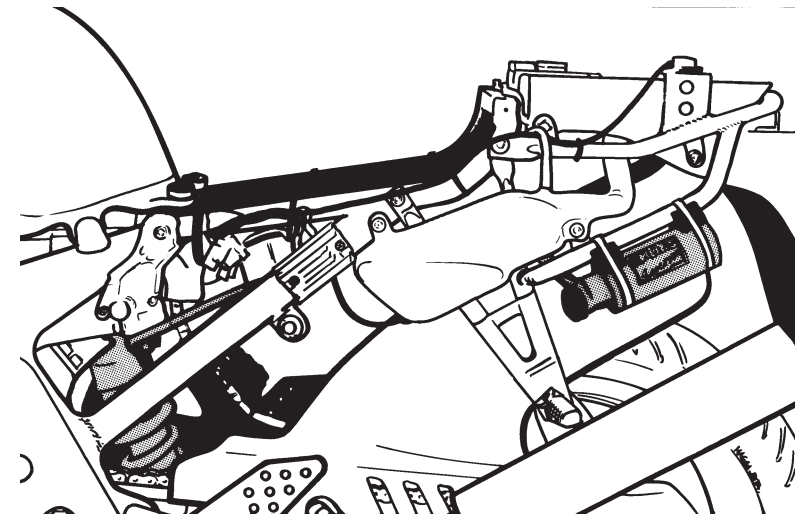
Mount the side cover, seat and fairing.

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.

⚠ WARNING!

Certain modifications may be necessary when installing the Öhlins shock absorber/suspension. It is essential that the mounting instructions are carefully followed.



On this model is an adjustable end eye/ bracket mounted. The end eye/bracket must not be threaded out more than that the groove is visible beneath the locknut. See fig. Make sure that the locknut is tightened after adjustment.