

#### **Note!**

No springs included in this kit. Use appropriate Öhlins Front Fork springs, part no. 08765-XX. See the Spring guide in this folder or contact Öhlins for advice.

#### **Note!**

Please note that this image is a general representation of the product and may differ slightly from your product.

#### **Note!**

Please note that during storage and transportation, especially at high ambient temperature, some of the oil and grease used for assembling may leak and stain the packaging. This is in no way detrimental to the product, wipe off the excessive oil/grease with a cloth.

#### **Kit Contents**

Description	Part No	Pcs
TTX Cartridge Kit	FGSU1694	1
TTX Cartridge sticker	00191-40	2
Sticker Öhlins	00192-01	2
Owner's manual	07296-90	1
Circlip	15440-01	2
Spacer 2 mm	15443-02	30

#### **Left side parts:**

Seal platform SFF49	15452-07	1
O-ring 40x2,5	00576-02	1
O-ring 37x2,5	00438-53	1
Base plug	15430-18	1
O-ring 21,95x1,78	00338-27	1
O-ring 14x1,78	00338-10	1
Hydraulic stop cup	15456-09	1

#### **Right side parts:**

Base plug	15430-19	1
O-ring 29x2	00438-97	1
O-ring 14x1,78	00338-10	1
O-ring 27x2	00576-07	1
Hydraulic stop cup	15456-09	1

#### **Note!**

Before installing this product, check the contents of the kit. If anything is missing, please contact an Öhlins dealer.

#### **Warning!**

Before installing this product, read the Öhlins Owner's Manual. The shock absorber/front fork/steering damper is an important part of your vehicle and will affect the stability.

## **TTX Cartridge Kit for Suzuki RM-Z 450**

# **FGSU 1694**

## **Application Specific Mounting Instructions**

# MOUNTING INSTRUCTIONS

## **⚠ Warning!**

*It is advisable to have an Öhlins dealer install the shock absorber/front fork/steering damper.*

## **⚠ Warning!**

*If working on a raised vehicle, ensure it is securely supported so that it will not tip.*

## **👁 Note!**

*Before mounting this product clean the vehicle thoroughly.*

## **👁 Note!**

*When working on this product, always see the Vehicle Service Manual for vehicle specific procedures and important data.*

**1**

To install, see the general mounting instructions in the Owner's manual.

Tools needed	Notes
OEM Fork cap tool, octagon	50 mm
Socket for Öhlins base plug	22 mm
Clamp tool inner tube	49 mm

## **Seal Platform (Left fork leg only)**

## **⚠ Warning!**

*It is advisable to have an Öhlins dealer perform the following procedure.*

## **👉 Caution!**

*The cartridge kit comes with an Öhlins seal platform. Install the seal platform in the **left** fork leg, O-rings included, between the 49 mm inner tube and the fork bottom. It is very important to have a proper 49 mm inner tube clamping tool and grinding tools to remove the damaged (by the lock screw) part of the inner tube thread.*

**1**

Follow steps 1-9 in the Owner's Manual/ General Mounting Instructions.

**2**

Remove the lock screw.

**3**

Grind damaged threads in the bottom of the lock screw hole.

**4**

Heat up the fork bottom to approx. 150° to remove any locking adhesive.

**5**

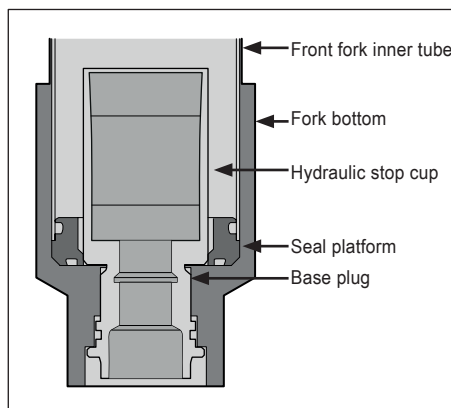
Unthread the inner tube from the fork bottom and remove the OEM seal platform.

**6**

Clean the fork bottom and fork leg thread.

**7**

Install the Öhlins seal platform and o-rings.



**8**

Apply thread locking adhesive to the inner tube thread. Reinstall the inner tube into the fork bottom.

**9**

Tighten to 200 Nm.

**10**

Reinsert the lock screw.

## **Hydraulic Stop Cup**

Install the Öhlins hydraulic stop cup according to chapter, "Install the Öhlins Cartridge kit step 10, in the Owners manual / General Mounting Instruction.

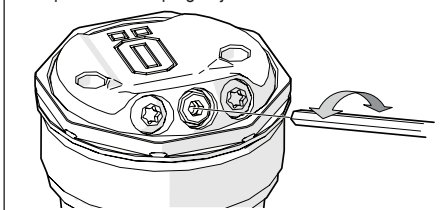
# MOUNTING INSTRUCTIONS

## ADJUSTMENTS

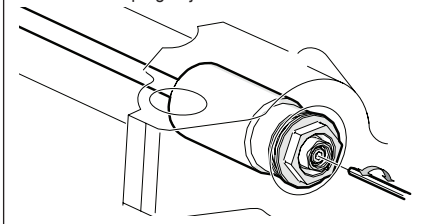
### **⚠ Warning!**

*Before riding, always make sure that the basic settings made by Öhlins are according to recommended Set-up Data. Read about adjustments and setting up in the Öhlins Owner's Manual before you make any adjustments. Contact an Öhlins dealer if you have any questions about setting up.*

Compression damping adjuster



Rebound damping adjuster



# SETUP DATA

Rebound damping	14	clicks
Compression damping	14	clicks
Spring preload	10	mm

Fluid volume (each leg)	0,390	litre
Fluid volume range	0,320-0,420 litre	
Öhlins front fork fluid	01330-01	

Recommended preload range:												
Over all spring rate [N/mm]	4,1	4,2	4,3	4,4	4,5	4,6	4,7	4,8	4,9	5,0	5,1	5,2
Rec. preload range [mm]	8-13	8-13	8-12	8-12	8-12	8-12	8-11	8-11	7-11	7-11	7-11	7-11

Adjust by adding/removing washer 15443-02.

## SPRING GUIDE

FGSU1694			
kg/pound*	Low	Mid	High
60/132	4,5	4,6	4,7
65/143	4,6	4,7	4,8
70/154	4,6	4,7	4,8
75/165	4,7	4,8	4,9
80/176	4,7	4,8	4,9
85/187	4,8	4,9	5,0
90/198	4,8	4,9	5,0
95/209	4,8	4,9	5,0
100/220	4,9	5,0	5,1
105/231	4,9	5,0	5,1
110/242	5,0	5,1	5,2
115/153	5,0	5,1	5,2
120/264	5,1	5,2	5,3
125/275	5,3	5,4	

Available spring rates 08765-series:

-39, -41, -43, -45, -47, -49, -51

To get spring rates between the available rates, combine two springs with different rates. One with a lower and one with a higher spring rate. Example: To get spring rate 4,8: Use spring with 4,7 in one fork leg and 4,9 in the other fork leg.

*\*Rider's weight: Rider wearing proper riding gear.*

*Make sure you know your total weight with riding gear.*

*Riding gear weighs between 5 and 15 kg.*

Öhlins products are subject to continuous improvement and development, therefore, although these instructions include the most up-to-date information available at the time of printing, minor updates may occur.

To find the latest information contact an Öhlins distributor. Please contact Öhlins if you have any questions regarding the contents in this document.

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