

**👁 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.*

**👁 Note!**

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

**👁 Note!**

*Use this product together with SD502.*

**Kit Contents**

Description	Part No	Pcs
<b>Bracket assembly:</b>		
Bracket	15550-55	1
Washer	00153-04	1
Screw	00432-11	1
Pin	15549-01	1
Washer 6.4/12/1.5	00153-04	1
Screw MFT 4x10	00382-25	8
Screw MFT 4x16	00382-31	2
Screw M6SF 6x20	00432-08	1
Screw M6SF 6x25	00432-14	2
X-ring 44.17x1.78	01027-09	1
Tool NV19	04970-01	1
Screw K6S M8x35	05404-05	1
Bracket type 2.1A	15505-24	1
Bracket type 2.1B	15505-34	1
Plug	15507-02	1
Washer 29.7/36.3/0.30	15527-03	1
Seal washer 47.3/28.8/2.8	15551-08	1
Nut M20x1.5	15552-15	1
Spacer 20/35/3	15555-02	2
Cover	15558-03	1
Washer 6.4/17/3	15875-01	4

**⚠ 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.*

**SD 502 Mounting Kit for KTM EXC / Six Days / SX**

***SD 535***

**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.*

## **👁 Note!**

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

**1**

Pre-assemble the steering damper. Place nut and washer (15552-11 (D), 15527-03 (C)) according to the figure. Use grease on both sides of the washer (C).

**2**

Install the bracket (15505-13 (B)) with the 6 screws (00382-25 (A)). Use thread locking fluid, tighten to 4 Nm.

**3**

Put the motorcycle on a work stand. Remove the front fork and the triple clamps. Remove the original upper steering stem nut and washer (you will not need these parts to install the Öhlins steering damper).

**4**

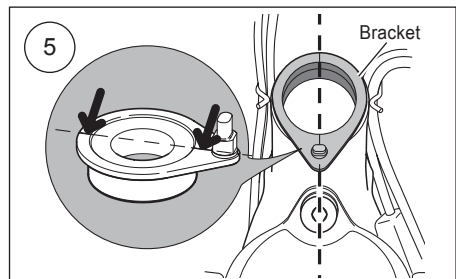
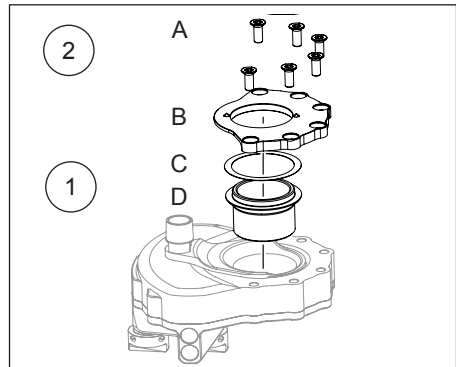
Remove the outer ring of the upper steering head bearing. Remove the original dust seal on the bearing, if any.

**5**

Replace the outer ring with the bracket provided. The bracket must be press fitted into the steering head, use proper tools.

## **👉 Caution!**

*The bracket must be installed in a straight line. Follow the sight line of the bracket, see figure.*



# MOUNTING INSTRUCTIONS

6

Apply grease on the x-ring and the original steering head bearing. Install the x-ring in the groove of the seal washer, make sure not to twist it. Install the steering head bearing and the seal washer (provided in the kit) in the bracket. Flat side of the seal washer facing up. The provided seal washer replaces the original dust seal, if any.

**Note!**

*On models with adjustable offset you may need to adjust the pin offset position, use thread lock and tighten the screw to 15 Nm.*

7

Put some grease inside the tower to avoid noise that otherwise can occur.

8

Reinstall the triple clamps and fork legs. Place the original O-ring on the steering stem. Tighten the bolts on the lower triple clamp to the recommended tightening torque according to the Vehicle service manual.

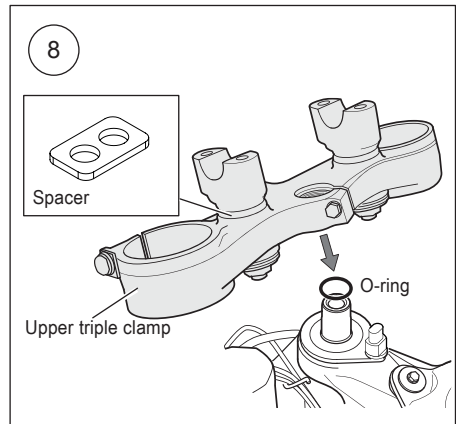
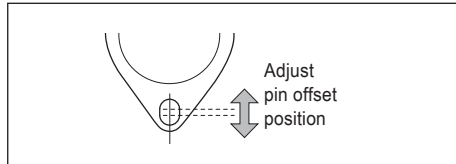
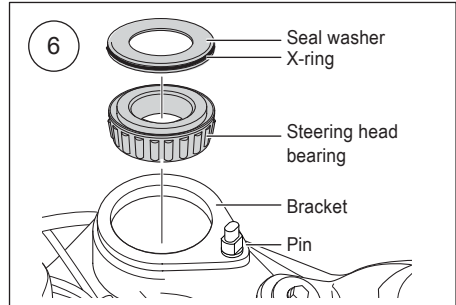
**Note!**

*If the handle bar interferes with the steering damper, use spacer (15555-02) between the bottom part of the handle bar clamps and the upper triple clamp.*

9

**KTM EXC/Six Days:**

If not removed, remove the speedometer.



# MOUNTING INSTRUCTIONS

## 10

Install bracket (15505-34) with screws (00382-25 M4x10) on bracket (15505-24). Do not tighten the M4 screws yet.

## 11

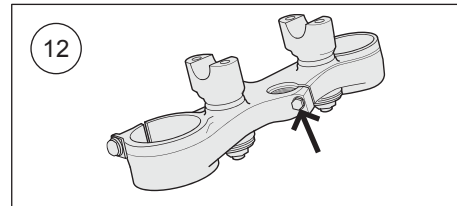
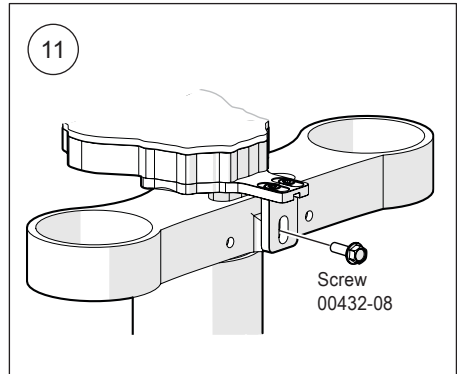
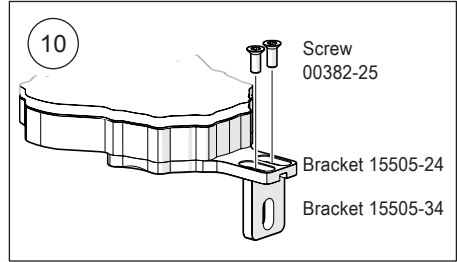
Install the steering damper assembly on the triple clamp with screw (00432-08 M6x20). Do not tighten the M6 screw yet.

## 12

Tighten the slit screw to 20 Nm.

### **Note!**

*If the original screw interferes with the damper, replace the original screw with screw (05404-05) provided in the kit.*



# MOUNTING INSTRUCTIONS

## 13

Use a torque wrench and tool (04970-01). Tighten the upper steering stem nut to 55 Nm. This will press the pins into the triple clamp.

### Note!

*All threads on the upper steering stem nut will not be used. Recommended; Minimum 4 full turns engagement.*

## 14

Loosen the upper steering stem nut. Loosen the slit screw. Retighten the upper steering stem nut to 10 Nm. Tighten the slit screw to 20 Nm. Continue tightening the upper steering stem nut to 20 Nm.

## 15

### KTM EXC and Six Days:

Use thread locking fluid and tighten the screw (00432-08 M6x20) to 10 Nm.

### KTMSX-F:

Reinstall the number plate. Replace the original screw for the number plate with screw (00432-08 M6x20). Use thread locking fluid. Tighten to 10 Nm.

## 16

Use thread locking fluid on the M4 screws. Tighten to 4 Nm.

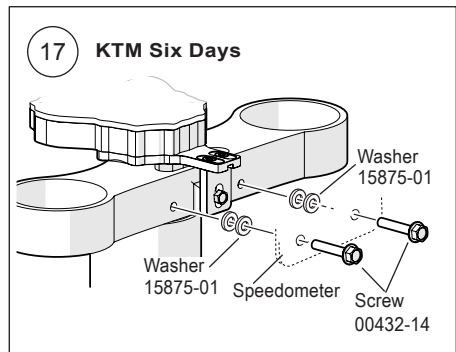
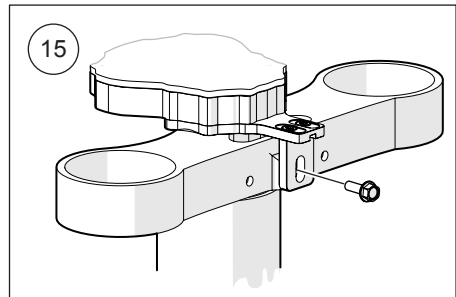
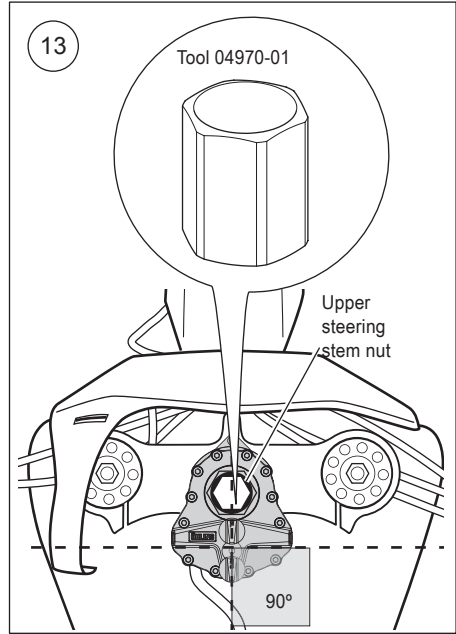
## 17

### KTM EXC:

Reinstall the speedometer.

### KTM Six Days:

Reinstall the speedometer. Use 2 washers (15875-01) on each side to enlarge the space between the speedometer and the triple clamp. Replace the original screws with the screws (00432-14 M6x25).



# MOUNTING INSTRUCTIONS

18

Measure the distance between the top of the tower and the pin with a slide gauge. The gap between the tower and the pin must be  $1^{+2}/_{-0.5}$  mm. There must always be a visible gap.

If the distance is outside the recommended, add provided washer (00153-04) or remove existing washer. Use thread locking fluid and retighten the tower to 11 Nm.

## ⚠ Caution!

*The gap between the tower and the pin must be within the recommended range. The tower must never touch the lower part of the pin at any position between the steering stops.*

19

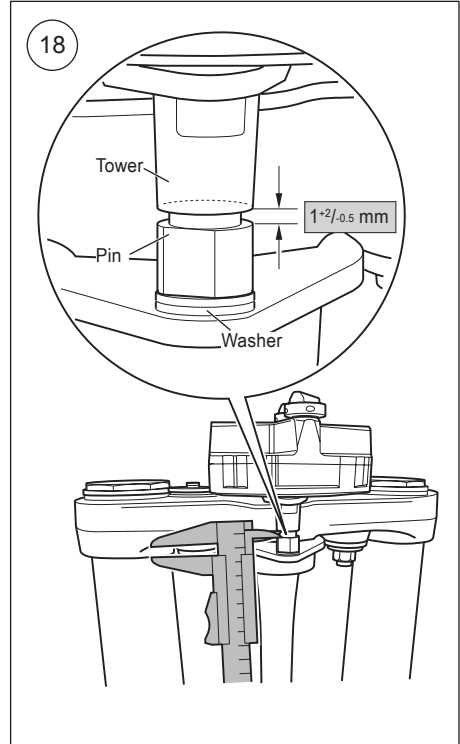
Make sure that the steering stops work properly. Tighten the upper stripe clamp bolt to the recommended tightening torque.

## ⚠ Caution!

*The damper must not act as a steering stop since that can damage the steering damper.*

20

Reinstall all removed parts.



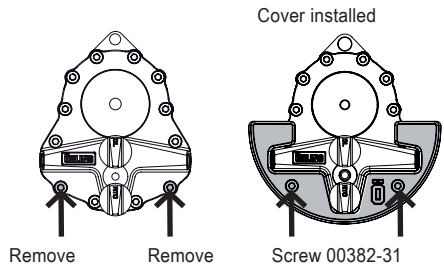
## ⚠ Warning!

*If the throttle cables interfere with the steering damper it may restrict handlebar operation. Rubbing on the steering damper body can cause excessive wear on the throttle cables.*

To prevent this, install cover (15558-03) and two screws (00382-31) (provided in the kit). Tightening torque 4 Nm

## ⚠ Caution!

*Do not remove any other screws than the two indicated.*



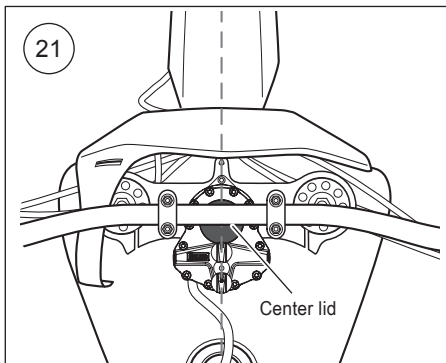
# MOUNTING INSTRUCTIONS

21

Install the center lid by pressing it into the hex gap. Use a M6 screw and a pair of pliers if you need to remove the lid.

**⚠ Caution!**

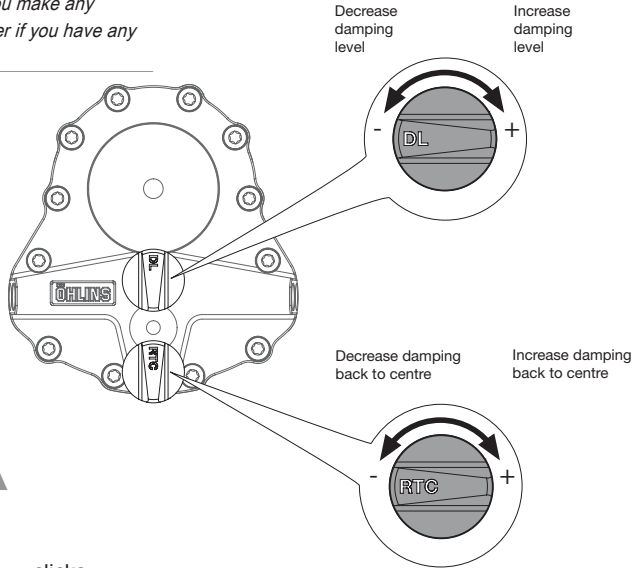
*Do not use a screwdriver to remove the lid, the lid may break.*



# 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.*



## SETUP DATA

### **Motocross**

DL Valve 12 clicks

RTC Valve 6 clicks

### **Enduro**

DL Valve 12 clicks

RTC Valve 8 clicks

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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