

Kit Contents

Description	Part No	Pcs
Cap screw	15209-01	2
Top Cap	60005-03	2
Comp. damping rod	FDK 112-C	1
Reb. damping rod	FDK 112-R	1
Spring 25.3/330/5.5	68000-04	2
Spring 25.3/330/6.0	68000-05	2
Preload Sleeve 5 mm	61123-21	4
Preload Sleeve 15 mm	61123-22	2
Washer 12/32/3	60049-01	2
Washer, copper	60048-01	2
Circlip	01499-02	2
ÖHLINS sticker black	01185-04	2
ÖHLINS sticker white	01185-01	2
ÖHLINS sticker yellow	00192-01	2

👁 Note!

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

⚠ Warning!

This kit should only be installed by an authorized Öhlins dealer. The installation procedure requires certain tools.

⚠ Warning!

Before installing this product, read the Öhlins Owner's Manual. The shock absorber/front fork/steering damper

👁 Note!

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

👁 Note!

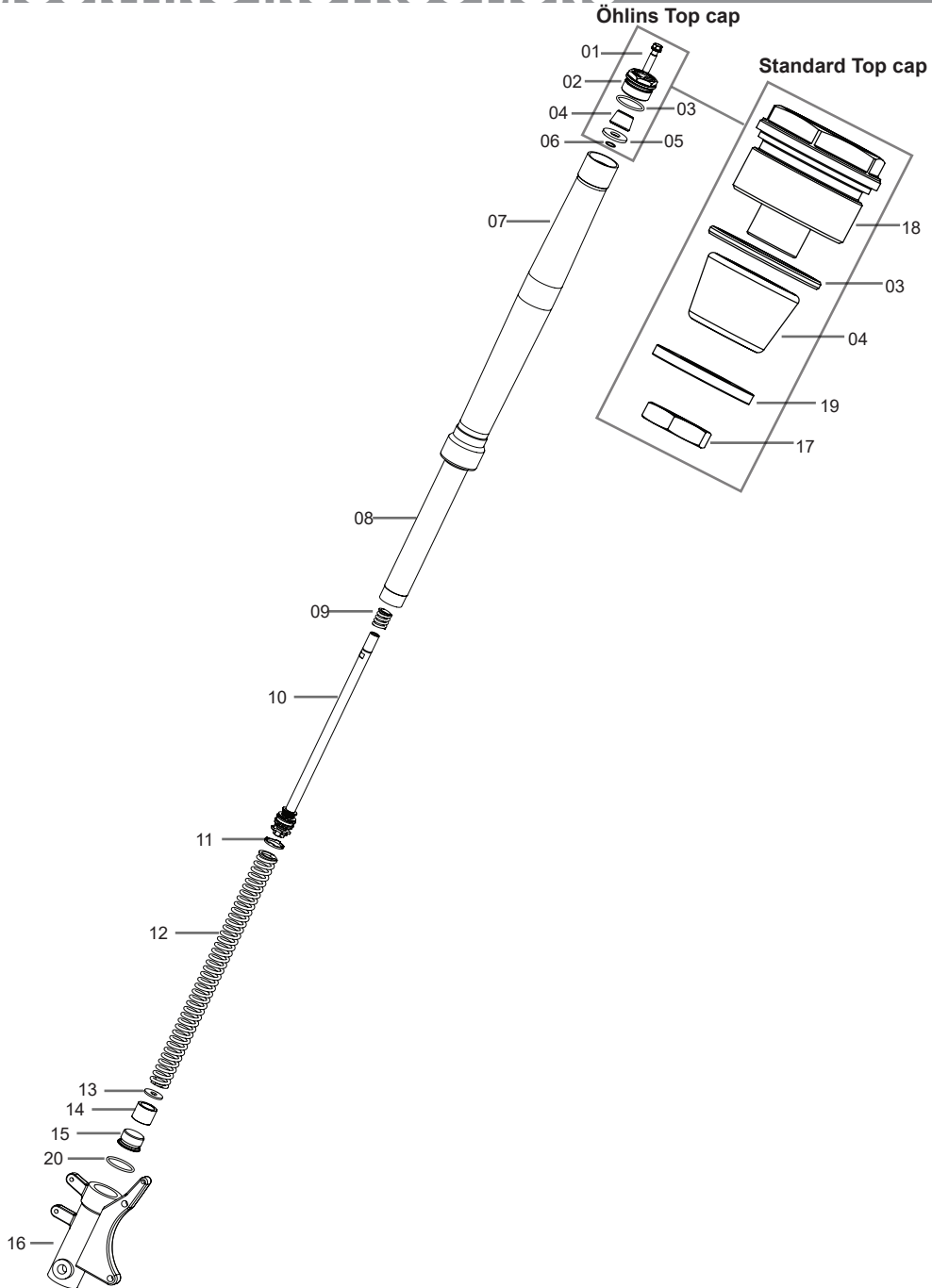
Please note that during storage and transportation, especially at high ambient temperature, some of the oil and grease used for assembling may leak and stain the packaging. This is in no way detrimental to the product, wipe off the excessive oil/grease with a cloth.

Fork Damping Kit for Honda Grom 125/ Monkey

FDK 112

Mounting Instructions

MOUNTING INSTRUCTIONS



P0.1

MOUNTING INSTRUCTIONS

👁️ **Note!**

The front fork is a very important part of the vehicle and will therefore affect the stability.

👁️ **Note!**

Read and make sure that you understand the information in this manual before you use this product.

If you have any questions regarding installation or maintenance please contact your nearest Öhlins dealer

👁️ **Note!**

Öhlins can not be held responsible for any damage to the front fork, vehicle, other property or injury to persons, if the instructions for installing and maintenance are not followed exactly.

⚠️ **Warning!**

This product was developed and designed exclusively for a specific vehicle model and should only be installed on the intended vehicle model in its original condition as delivered from the vehicle manufacturer.

⚠️ *After installing this product, take a test ride at low speed to make sure that your vehicle has maintained its stability.*

👁️ **Note!**

When working on this product, always consult your Vehicle Service Manual.

👁️ **Note!**

This Manual should be considered as a part of the product and should therefore accompany the product throughout its life cycle.

Safety Symbols

In this manual, mounting instructions and other technical documents, important information concerning safety is distinguished by the following symbols:

⚠️ *The Safety Alert Symbol means: Warning! Your safety is involved.*

⚠️ **Warning!**

The Warning Symbol means: Failure to follow warning instructions can result in severe or fatal injury to anyone working with, inspecting or using the front fork, or to bystanders.

👉 **Caution!**

The Caution Symbol means: Special precautions must be taken to avoid damage to the front fork.

👁️ **Note!**

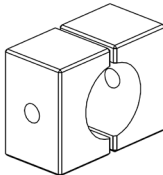
The Note Symbol indicates information that is important regarding procedures.

REQUIRE TOOLS KIT 60000-04.

THE TOOL KIT INCLUDES:

- 24642-01 (1 PAIR)
- 24641-01 (1 PCS)

24642-01



24641-01



1-REMOVE ORIGINAL FRONT FORK

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.

Warning!

Do not scratch ÖHLINS top caps use marking tape

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.

1.1

Release the top triple clamp pinch bolts.

1.2

Loosen (do not remove) both fork top caps ½ turn.

1.3

Remove both the fork legs as per Vehicle Service Manual instructions.

2-DISASSEMBLE ORIGINAL FRONT FORK

👁️ **Note!**

Refer to picture P0.1 for components location.

2.1

Unscrew entirely the top cap (18) from the outer tube (07) and loosen the nut (17).

👋 **Caution!**

Do not extend the inner tube more than 110mm measured from the scraper seal to the fork bottom.

This in order to avoid the seals getting damaged by sharp holes located on the inner tube (inside front fork)

2.2

Remove the top cap (18) from the damping rod and disassembly the top out rubber (04), washer(19) and nut(17).

2.3

Drain the oil from the fork leg.

2.4

Extend the fork leg and clamp the inner (steel) tube(08) in a vise by using the tool 24642-01.

2.5

Use a heat gun on the fork bottom to soften the thread locker.

👁️ **Note!**

The fork bottom (16) and the steel tube (08) are jointed together by left-hand thread.

2.6

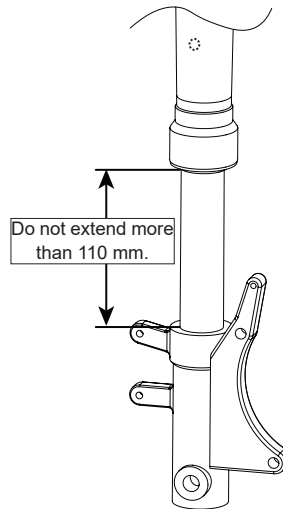
Use the motorcycle wheel axle as a lever to loosen the fork bottom (16) from the steel tube (08).Do not loose the O-ring (20).

2.7

Use the hexagon tool 24641-01 to remove the bottom cap (15).

2.8

Remove the washer (13) and the main spring (12).



2-DISASSEMBLE ORIGINAL FRONT FORK

2.9

Remove the damping rod (10).

Caution!

Do not damage the piston ring (11). It has to be re-used.

2.10

Remove the top-out spring (09) and the piston ring (11).

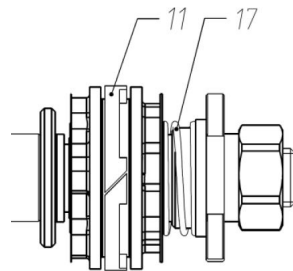
3 - INSTALL ÖHLINS FORK DAMPING KIT

Caution!

The fork damping kit is divided into one compression rod and one rebound rod.

3.1

Install the previously removed piston ring (11) onto the Öhlins damping rod (10) as per picture P3.1. Make sure the stepped side of the piston ring (11) is oriented towards the check valve spring (17) side.



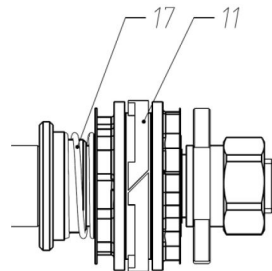
Compression rod

3.2

Insert the top-out spring (09) and the Öhlins damping rod (10) into the inner (steel) tube (08).

3.3

Clamp the inner (steel) tube (08) in a vise by using the tool 24642-01.



Rebound rod

P3.1

Note!

See page 7 for preload sleeve combinations

3.4

Insert the Öhlins spring (12) the washer (13) and the preload sleeve (14) into the steel tube (08).

3.5

Apply grease on the O-ring on the bottom cap (15) and install it. Tighten with a torque value of 40Nm.

3.6

Compress the fork and install the circlip (06).

3-INSTALL ÖHLINS FORK DAMPING KIT

3.7

Install the washer (05) with the chamfer facing the circlip, bump rubber (04) and the Öhlins top cap (02) on the damping rod (10).

Tighten the ohlins screw (01) with the copper washer 60048-01 at 15Nm applying Loctite 243.

3.8

Apply Loctite 270 to the steel tube (08). Clamp the fork bottom (16) in a vice and tighten it with the steel tube (08) using the tool 24641-01.

Tight with a torque value of 70Nm.

Note!

Compress and extend repetitively the fork leg while filling the oil in order to remove the air from it.

3.9

Fill the fork leg with 220 ml of oil.

Recommended oil : Öhlins 01309-01.

3.10

Apply grease on the Öhlins O-ring (03).

Extend the fork leg and tighten the Öhlins top cap (02) to the outer tube (07).

3.11

Re-install the fork legs as per Vehicle Service Manual instructions.

Preload sleeve combinations

Option	Preload sleeve (thickness)	Q'ty	Total preload
1	61123-21(5 mm)	1	10 mm
	61123-21(5 mm)	1	
2	61123-22(15 mm)	1	15 mm
3	61123-21(5 mm)	1	20 mm
	61123-22(15 mm)	1	

Recommended spring

Spring part No.	Spring rate	For rider weight
68000-04	5.5 N/mm	Below 80 kg
68000-05	6.0 N/mm	Above 80 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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