

ENG

F20A123K - F20K hydraulic fork kit APRILIA Dorsoduro 900 m.y.17 (fork type Kaifa)

Left Fork

COMPRESSION ADJ. UNIT "C"

- socket head screw -



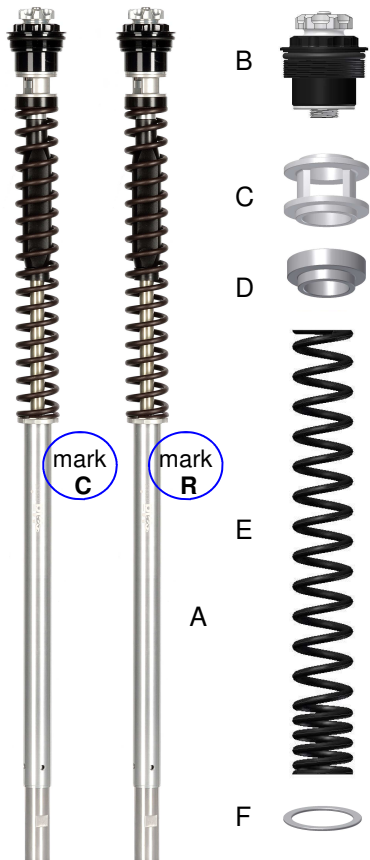
Right Fork

REBOUND ADJ. UNIT "R"

- socket head screw -



SPRING PRELOADING ADJUSTER KNOB



A

B

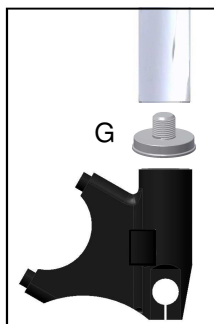
C

D

E

F

ref.1



Note: the bottom cap "G"
may change according to
the different applications



Note: the bottom support may change
according to the different applications

FORK KIT PARTS

- | | |
|-----------------------|------------------|
| A. Cartridge Ø20 | B. Fork cap set |
| C. Top spacer | D. Spring spacer |
| E. Spring 36-320 | F. Spring washer |
| G. Bottom cap support | |
- Motorex Fork Oil SAE 5 W (1l)



ATTENTION

To remove the fork and tightening
torques, follow the service manual

ASSEMBLY INSTRUCTIONS

- 1- Remove the original fork kit and the original fork inner tube (loosen the locking grub screw on the bottom). Remove the tube base washer between the tube and the bottom.
- 2- Thoroughly clean sleeve, fork tube and bottom avoiding all damages to oil seals/O-Rings and bushes.
- 3- Position the fork tube bottom cap "G" between the fork tube and bottom (as "ref.1").
- 4- Screw the fork tube to the bottom using strong thread-lock adhesive (Loctite 638) and re-position the fork tube locking grub screws.
- 5- Reassemble the bushes and the oil seal, greasing the parts subjected to sliding.
- 6- Tighten the fork kit "A" on bottom cap "G" (only Compression side adj.- ref.1).

AIR BLEEDING INSTRUCTIONS

- 1- Slowly pour oil into the fork so that it flows inside the cartridge.
Slide rod up and down several times to bleed any air bubbles out of the cartridge
- 2- Adjust oil level according to the instructions of the setup card.
Note: Oil level must be measured without spring and the rod pushed completely down.
- 3- Position the Fork Kit Parts as following:
 - "F" spring washer
 - "E" spring (**Note:** before assembly, remove the protective, cleaning and degreasing well the spring)
 - "D" spring spacer
 - "C" top spacer
- 4- Position the rod to the maximum extension
- 5- Position the fork cap "B" and tighten the pumping rod on the fork cap.
Torque load 20N
- 6- Screw the fork cap onto the sleeve.
Pay attention do not damage the fork cap O-ring.
Torque load 5N



ENG

F20A123K - F20K hydraulic fork kit

APRILIA Dorsoduro 900 m.y.17 (fork type Kaifa)



The fork kit parts are supplied ready to fit.
During assembling and fitting the fork kit, to avoid damage to the fork components, make all adjustments with the fork kit mounted on the fork.
Not act on the adjustments when the fork caps or cartridges are disassembled.
Make sure that the settings are in the full open position (Compression & Rebound) and full unloading (Spring Preload).
All adjustments must be made with all components fitted on the fork.

- Left fork = **COMPRESSION** adj.
- Right Fork = **REBOUND** adj.

RECOMMENDED ADJUSTMENT SETUP				
Fork length	as the original one			
Rebound adjustment	20Click			
Compression adjustment	20Click			
Spring rate N/mm	left	9.0	right	9.0
Spring preload	12Click			
Oil level	140 mm			
Stroke	160 mm			
Heigh from top plate				
Setup 2				
Rebound adjustment	Click			
Compression adjustment	Click			
Spring rate N/mm	left		right	
Spring preload	Clic			
Oil level mm				
Stroke mm				
Heigh from top plate mm				

Note: the fork is 3 mm longer than the original one



COMPRESSION & REBOUND adjustment
To count the rebound and compression clicks:
from fully closed, turn anticlockwise

SPRING PRELOAD adjustment
from fully open, turn clockwise
2 clicks = 1 mm



All technical interventions for maintenance and/or modification of the product must be performed by Matris Company or a Matris authorized service center.