



STOCKER PERFORMANCE PARTS

RST Mounting Instructions Cartridge for 49er, 41er und 39er Harley Davidson Fork

You have chosen a RST product, which is made under the strict RST specifications and offers the highest quality and safety standards. Please follow these instructions for the use of our RST Cartridge:

General Information:

In general we suggest visiting a motorcycle repair shop or dealership to install our products. Know how and experience of a motorcycle shop cannot be compensated by this manual. Please ensure a stable stand of the bike. This product can only be used for the model indicated and mentioned on the application list.

Do not use this product on any other bike model, year or type or another manufacturer. Always utilize the torsion torque specified by the manufacturer.

Before Installing:

Please read the instruction manual carefully before installation. Make sure, that you have all tools required and that they are in good condition. Protect the bike in the area of installation from scratches, dents etc by covering the bike with a blanket or something similar.

During installation:

Check all parts before, while and after every installation step. Clean and degrease all parts before installation. Please be careful while installing, so there is no damage or scratches to the motorcycle. Please work relaxed and concentrated to avoid mistakes or the risk damaging any parts.

After installation:

Please check all screws and nuts after installation.

We wish you a lot of fun
and a safe ride!

Your RST-Performance Team

If you have any questions, do not hesitate
to contact our engineering team
at +49 7731 9067-0



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Step 1: Preparation

We recommend to clean the bike before demounting the fork. Put the bike with a suitable aid on a hydraulic bike ramp and ensure a safe position. We recommend the use of a suitable stand. Demount the front wheel and loosen the fork. Pull the fork out of the triple tree.

Step 2: Demount the original shock absorber and springs



Loosen the screw below and the lock at the top and drain oil



Remove cap, dust cap and circlip



Pull out stand pipe and simmer ring. Original shock absorber and spring are not needed anymore.



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Step 3: Montage of RST cartridge



Insert RST cartridge and fix screw and seal below



Remove lockscrew, nut, distance and spring and fill in oil. Adjust a 100mm air chamber with inserted standpipe.



Montage spring and distances. Screw in locknut until stop.



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Additional information

Screw out damper setting with the screw plug before mounting. Screw in four turns again.

Screw screw plug onto the piston rod until stop and secure with the counter nut.

Screw out two turns again (standard setting)

Screw lock screw into the standpipe.

The reducing bush at the 41er and 39er Harley Davidson forks has to be removed. Turn of the fold (Hierzu den Pressfalz abdrehen (approx. 0,5 mm) and remove the reducing bush.



Fahrzeug	Baujahr	Kennzeichnung	Luftkammer	Standrohrdurchmesser
Iron(Fork745mm), Nightster (XL1200N)	10-	RST02/39	Ca. 190 mm	39
Sportster (883/883R,ect)	2002-	RST03/39	Ca. 170 mm	39
Forty eight (Fork745mm)	2010-15	RST05/39	Ca. 190mm	39
Sportster 1200 Custom	10-13	RST06/39	Ca. 190 mm	39
Dyna Superglide	99-04	RST11/39	Ca. 190 mm	39
FX Softail	84-	RST00/41	Ca. 180 mm	41
FL Softail	86-99	RST08/41	Ca. 110 mm	41
Dyna (Fork 813mm)	06-13	RST01/49	Ca. 100 mm	49
Dyna Wide Glide	06-13	RST04/49	Ca. 110 mm	49
Dyna Switchback	06-13	RST07/49	Ca. 120 mm	49
Night Rod	05-2011	RST12/49	Ca. 80 mm	49

Only use SEA 7,5 forkoil!