



AIR SEAL MAINTENANCE ALLOY STANCHION FORKS – NEGATIVE COIL SPRING TYPE (NO EQ)

***RAIDON32, RAIDON34, AXON32, ZERON35, AION34, AION35, AURON34,
AURON35, SF16-SF18 DUROLUX36, SF16-SF18 RUX38, SF21 MOBIE34***

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AIR SEAL MAINTENANCE – ALLOY STANCHION FORKS

REQUIRED TOOLS & SUPPLIES:

- 27mm socket (ZFC160-R)
- ½ Ratchet wrench
- 12mm socket (R2C2 cartridges forks)
- 10mm socket (Axon,Zeron, Aion, Auron, Durolux, Rux)
- 8mm Allen key (Raidon and Zeron35 Air forks)
- 5mm Allen key (Raidon, Zeron35, Aion34 & 35 Air forks)
- 3mm Allen Key (Raidon and Zeron35 Air forks)
- Torque wrench
- Pliers (smooth-jaw, flat surface) or wrench
- Plastic Mallet
- O-ring removal tool
- Air chamber oil
- SR SUNTOUR “Low-Friction” grease
- Brush
- Rag or workshop towel

WARNING

Always wear safety glasses and protective gloves during the maintenance of SR SUNTOUR products.

STEP 1

Remove the lower legs. Refer to the procedure “LOWER LEGS SERVICE...” specific to your fork.

STEP 2

Remove the air cap and deflate the air chamber.



Compress the air shaft all the way to make sure no air is left in the chamber. If you feel resistance, apply pressure on the shaft and release the air from the top valve.



STEP 3

Use the dedicated 27mm socket and a ratchet to unscrew the air cap assembly. Carefully remove the air cap assembly from the Stanchion and set it aside.



STEP 4

Use a wrench or a Knipex smooth-jaw pliers to unlock (counter clockwise) the nose piece and unscrew by hand. You should not feel resistance. If you are not able to unscrew by hand, check that all of the air pressure is released. Set the nose piece aside.

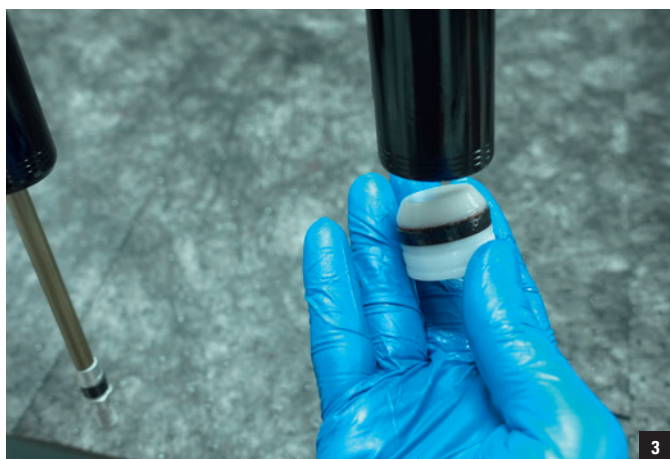


Remove the negative spring assembly and set it aside.



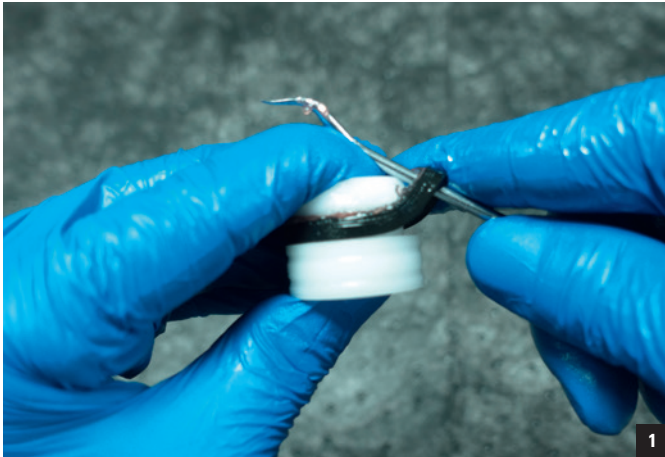
STEP 5

Spray some brake cleaner on a workshop towel. Use a shaft to push the towel down the stanchion and remove the air piston. Inspect the inner part of the tube and check for scratches.



STEP 6

Remove the old air piston seal. Grease the new seal and install it by hand. Make sure the seal is oriented correctly and seated correctly without any twists.



STEP 7

Apply some SR SUNTOUR "Low-Friction" grease to the inside of the stanchion and on the piston seal. Grease the coil springs with SR SUNTOUR "Low-Friction grease". Install both the screw and the piston on the negative shaft assembly.



STEP 8

Insert the piston and the negative spring assembly in the stanchion and tighten the nose piece to **2.7Nm**.

Note: do not exceed 2.7Nm torque as this could damage the stanchion.



STEP 9

Replace the air cap assembly o-ring and apply grease.



Inject 3cc of Air chamber oil directly in the stanchion.



STEP 10

Install the air cap assembly in the left stanchion. Use the dedicated 27mm socket and ratchet and tighten to 15Nm.

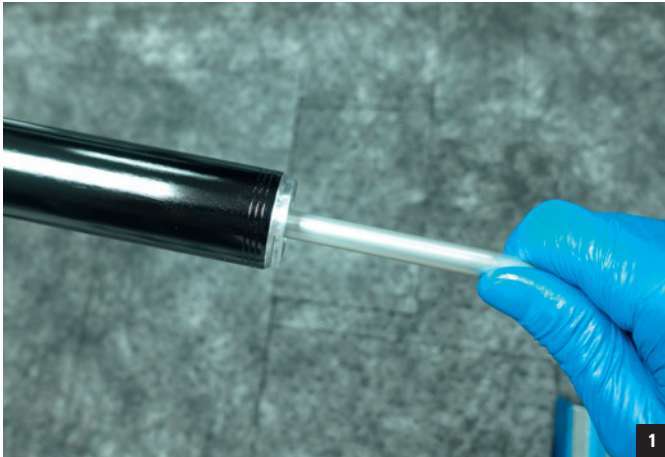


Inflate the air chamber to 70Psi.

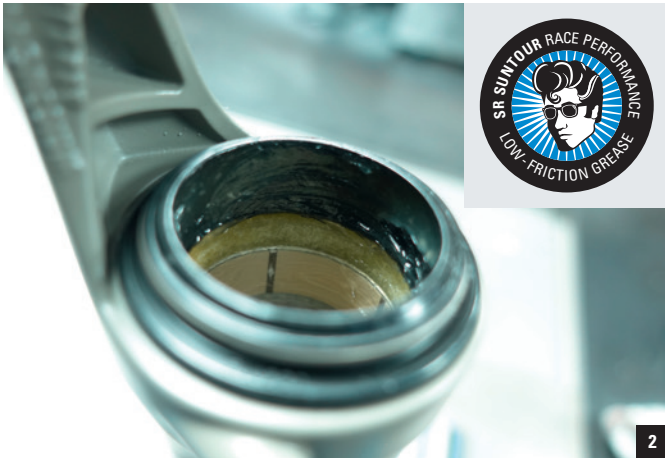


STEP 11

Manipulate the air shaft to make sure it is centered. You might hear a “clack” noise; this is normal as it helps the shaft head to align with the air piston.



Grease the inner surface of both dust seals and bushings with SR SUNTOUR “Low-Friction” grease.



STEP 12

Clean the stanchions and install the lower legs. Refer to the procedure “LOWER LEGS SERVICE ...” specific to your fork.