



# ***AIR SEAL MAINTENANCE XCR / MOBIE34 AIR SERIES***

***XCR32 AIR, XCR34 AIR, SF21 MOBIE34,  
SF24 MOBIE34 BOOST (NO EQ)***

***V.1.0\_09-2024***

## AIR SEAL MAINTENANCE – XCR

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### REQUIRED TOOLS & SUPPLIES:

- 27mm socket (ZFC160-R)
- ½ Ratchet wrench
- 8mm Allen key
- 5mm Allen key
- 3mm Allen Key
- Torque 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.

### REMOVAL: STEP 1

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On the damper side, pull on the rebound adjuster knob to remove it, then set it aside.



## STEP 2

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Using an 8mm Allen key, turn the exposed bolt counterclockwise 2 turns to loosen it.



Use a mallet to strike the bolt 2-3 times. Check to ensure the bolt is in contact with the leg. Remove the bolt and set it aside.



### STEP 3

On the air/spring side, using a 5mm Allen key, turn the bolt counterclockwise 3-4 turns to loosen. Use a mallet to strike the bolt 2-3 times. Check to ensure the bolt is in contact with the leg. Remove the bolt and set it aside. Pull on the lower legs to remove them, and set them aside.



### STEP 4

Remove the air cap and depressurize the air chamber by depressing the center pin of the Schrader valve.



## STEP 5

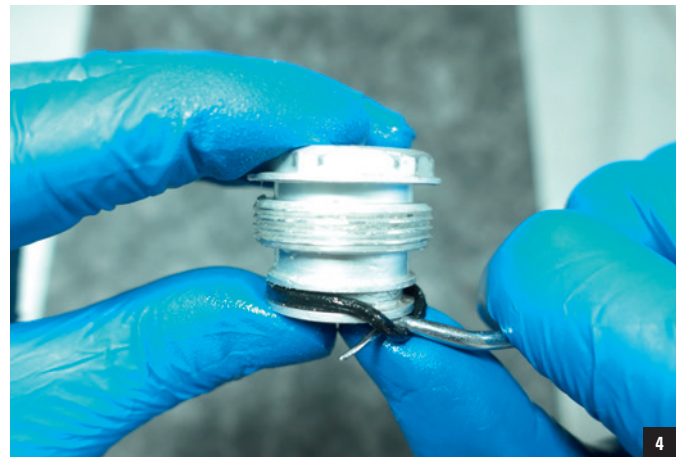
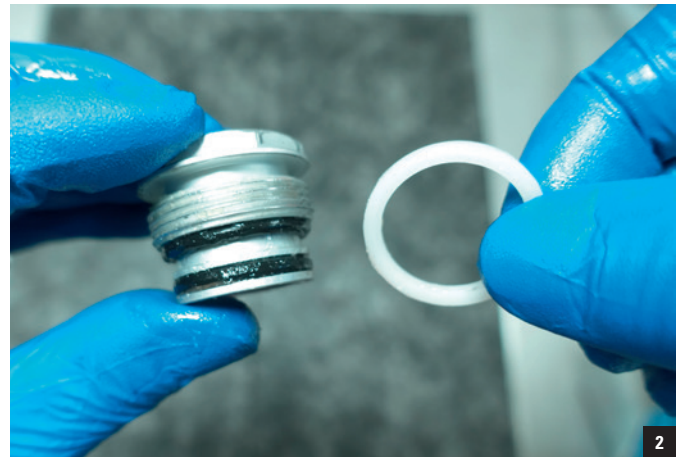
Use the dedicated 27mm socket and a ratchet to unscrew the Air cartridge from the crown. Carefully remove the air cartridge from the stanchion and set it aside.





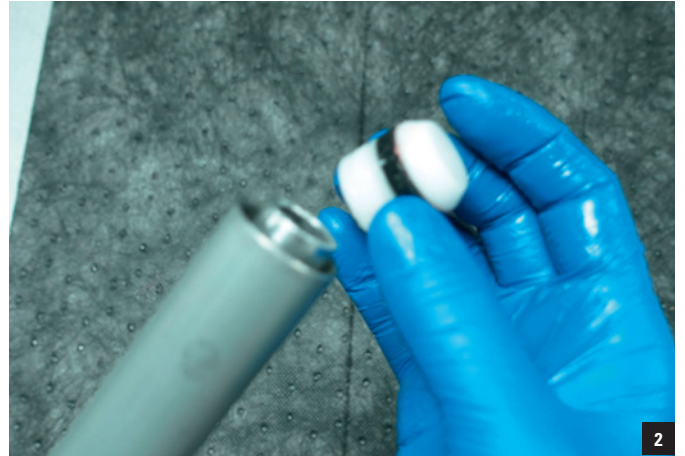
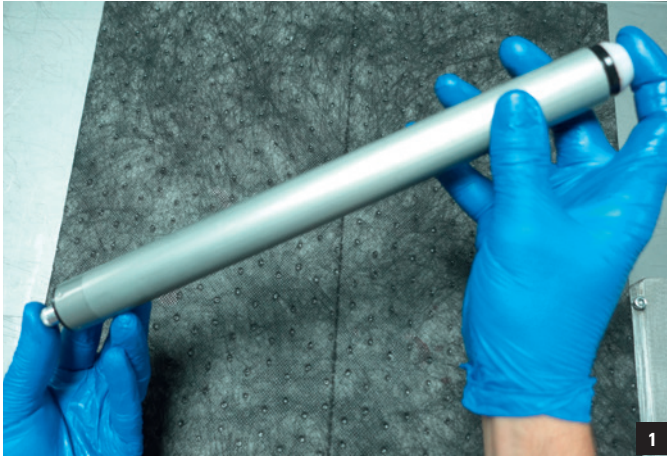
## STEP 6

Separate the air cap assembly from the cylinder, remove the back-up ring and the two O-rings. Clean the alloy air cap. Grease and install the new O-rings. Re-install the back-up ring.



## STEP 7

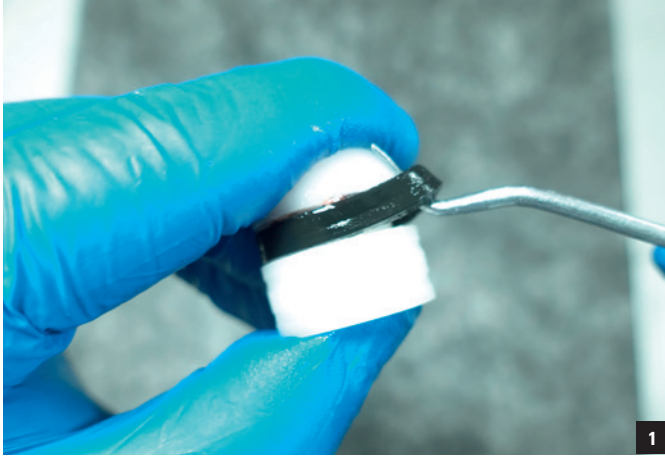
Push in the negative spring shaft and remove the air piston and negative spring assembly.



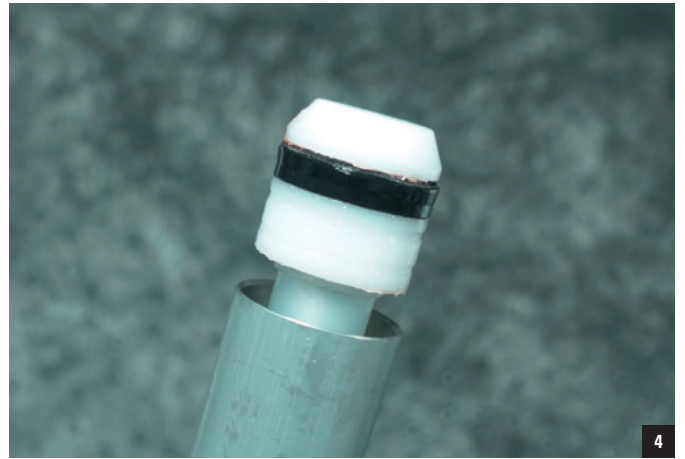


## STEP 8

Remove the piston seal.



Clean the piston. Grease the new seal and install it by hand onto the piston. Make sure to install the seal in the correct orientation.



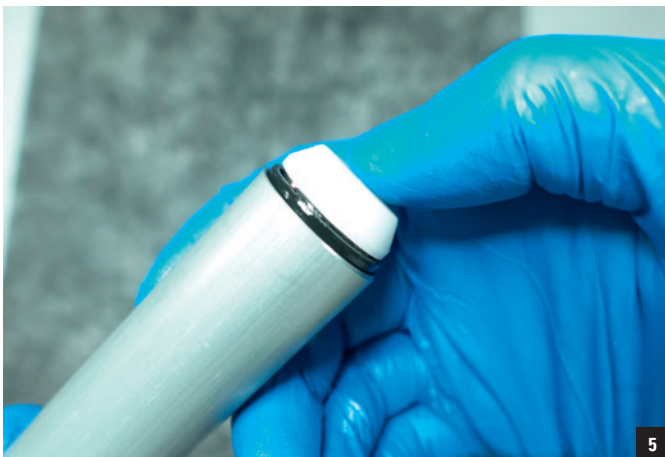
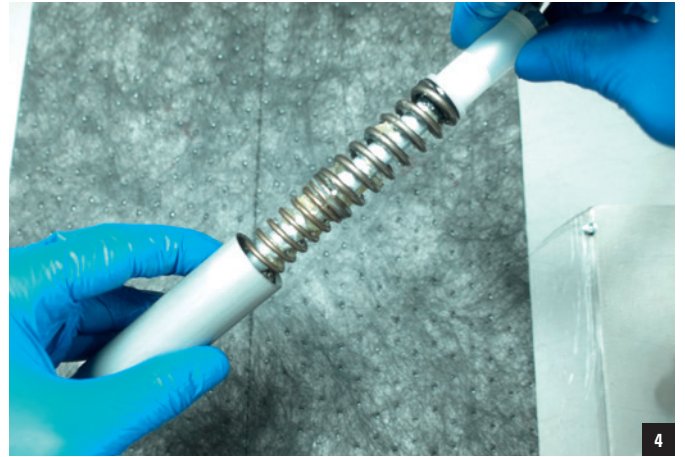


## STEP 9

Clean the spring and grease it.

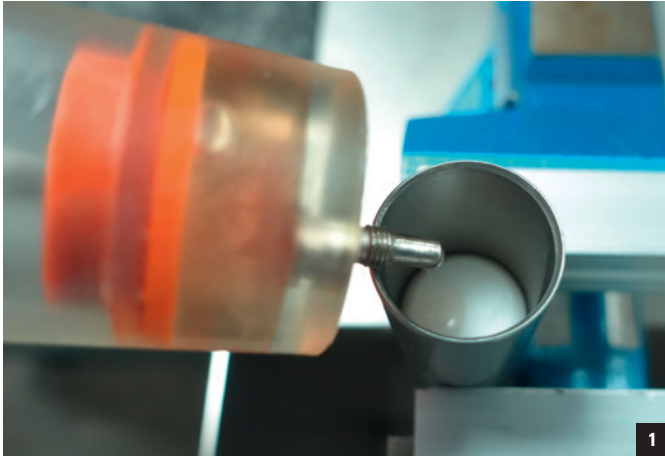


Clean the air cylinder, then apply a thin coat of SR SUNTOUR "Low-Friction" grease to the cylinder. Install the negative spring assembly and the piston.



## STEP 10

Add 2-3cc of air chamber oil into the air cylinder.



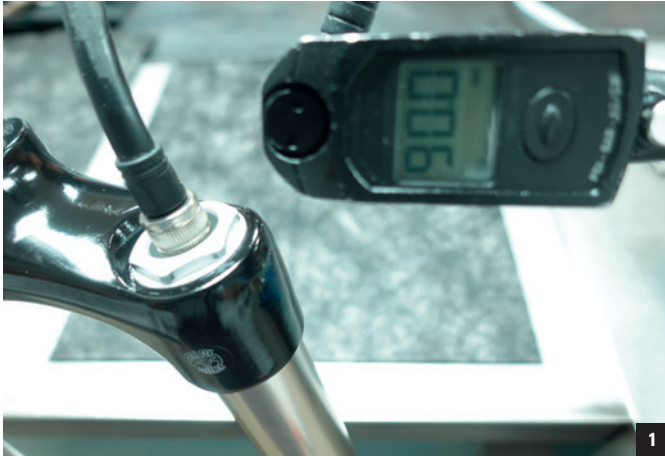
Install the air cap assembly on the air cylinder and slide the assembly into the left stanchion. Use the dedicated 27mm socket and ratchet to tighten to **15Nm**.



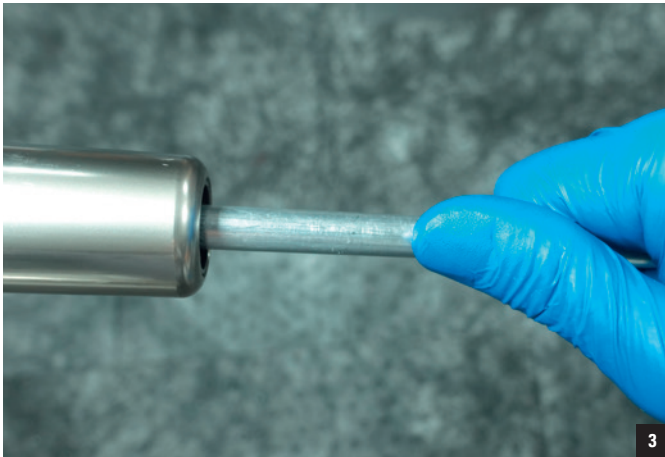


## STEP 11

Pressurize the air chamber and re-install the air cap.

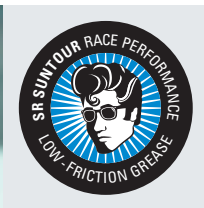


Manipulate the air shaft to make sure it is centered. You may hear a “clack” sound; this is a normal result of the shaft head aligning with the air piston.



## STEP 12

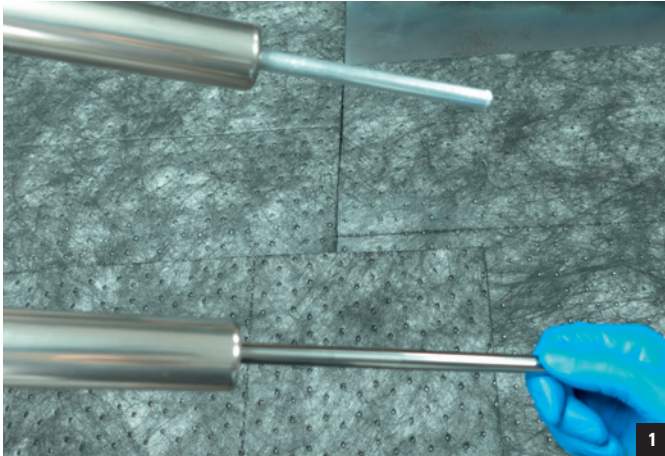
Replace or clean the dust seals. Clean and grease the bushings, and grease the dust seals using SR SUNTOUR “Low-Friction” grease.





## STEP 13

Clean the stanchions. Fully extend the damper cartridge and install the lower legs.



## STEP 14

Make sure the damper cartridge shaft is aligned with the lower leg hole. If not, use a 3mm Allen key to center the shaft.



## DAMPER SIDE

Install the bolt by hand and use an 8mm Allen key to tighten the bolt to **12Nm**.



Use a 3mm Allen key to set the rebound to fully-open (turning it counter clockwise) then close it by 1-2 turns (turning it clockwise). Remove the Allen key and reinstall the rebound adjuster knob by pressing it into the bolt.



## AIR SIDE

Install both the washer and bolt. Use a torque wrench with 5mm Allen bit and tighten to **8Nm**.

