



HOW TO CONVERT TRAVEL EQ FORKS

***AXON34 EQ, AURON35 EQ, DUROLUX36 EQ, DUROLUX38 EQ,
RUX38 EQ***

V.1.0_09-2024

TRAVEL CONVERSION – EQ FORKS

REQUIRED TOOLS & SUPPLIES:

- 27mm socket (ZFC160-R)
- ½ Ratchet wrench
- 12mm socket (R2C2 cartridges forks)
- 10mm socket
- 5mm Allen key
- Torque wrench
- 10mm shaft clamps
- Loctite 262 or equivalent
- Plier wrench (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.

GENERAL INFORMATION

All EQ forks can be identified by the EQ sticker on the crown of the fork.



STEP 1

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

STEP 2

Remove the air cap and depressurize the air chamber.



STEP 3

Use the dedicated 27mm socket and a ratchet to unscrew the air cap assembly (picture 1). Carefully remove the air cap assembly from the stanchion and set it aside (picture 2).



STEP 4

Use a wrench or a Knipex smooth-jaw pliers to unscrew the nose piece by turning it counterclockwise.



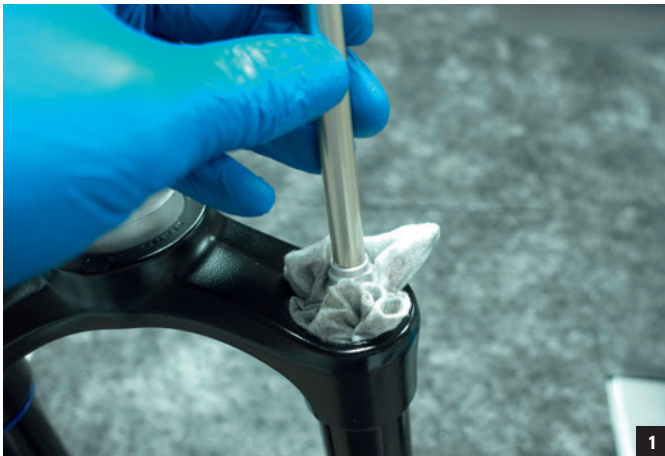
STEP 5

Move the nose piece partway down the shaft (picture 1). Pull the shaft and remove the air shaft assembly. Set it aside (picture 2).



STEP 6

Spray some brake cleaner on a workshop towel. Use a plastic shaft to push the towel through the stanchion. Inspect the inner surface of the stanchion and check for scratches.

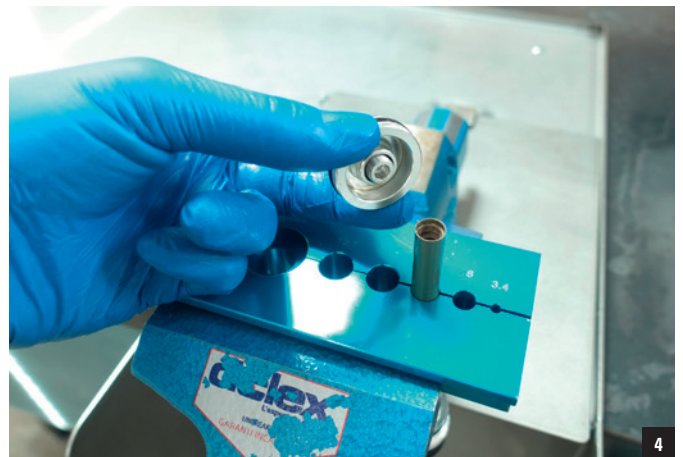
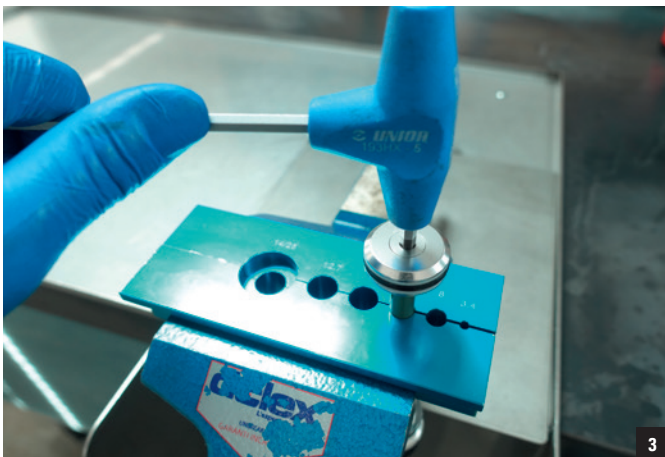
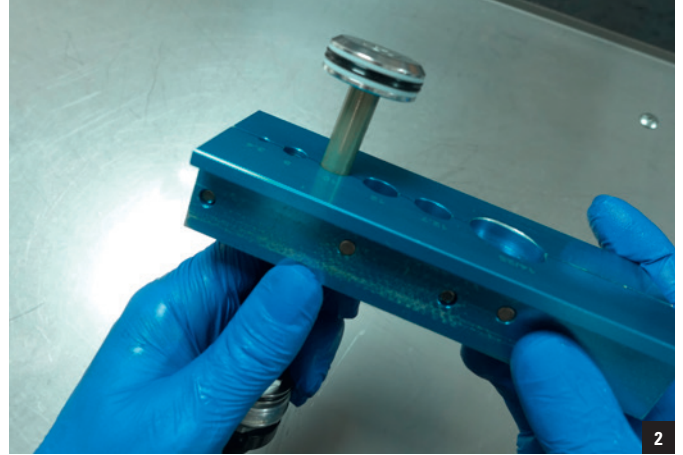


STEP 7

Slide the spacer, bumper, and nose piece down to expose the shaft. Clean the shaft with brake cleaner and a workshop towel. Use 10mm clamps to hold the shaft in a vice.

Note: Leave a 20mm gap between the piston and the clamps so that the shaft threads are not put under stress.

Use a 5mm Allen key to loosen the piston bolt. Remove the piston assembly and set it aside.



STEP 8

Remove the shaft from the vice. Remove the plastic spacer, rubber bumper and nose piece from the shaft and set them aside.

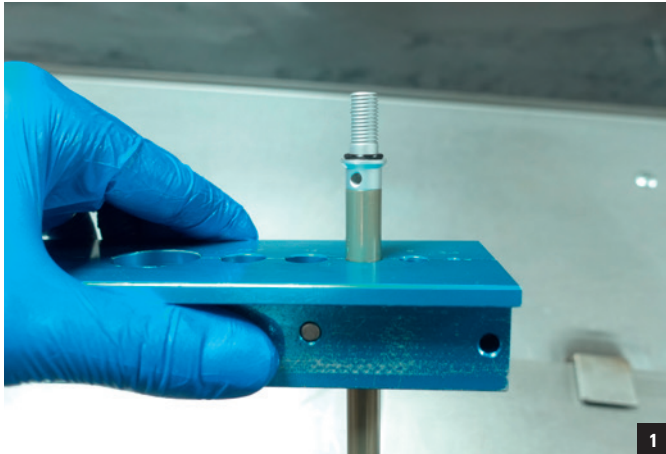


STEP 9

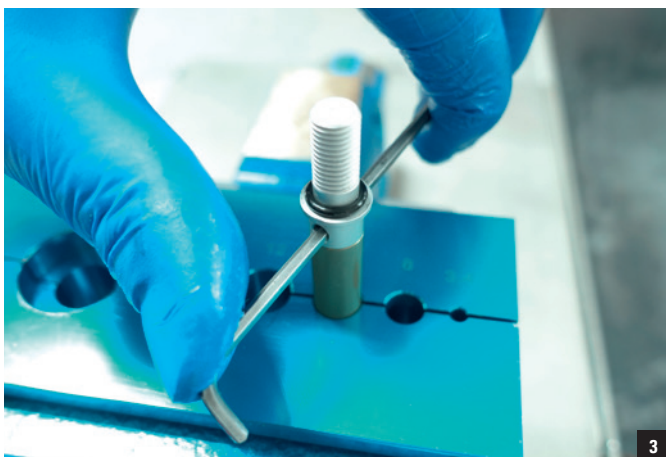
Flip the shaft and clamp it in the vice.

Note: Leave a 20 mm gap between the threaded insert and the clamps so the shaft threads are not put under stress.

Heat the top part of the shaft for a few seconds. This will soften the thread locker and help with the removal of the threaded insert.



Use a 2.5mm steel shaft or 2.5mm Allen key to loosen the threaded insert by turning it counterclockwise.

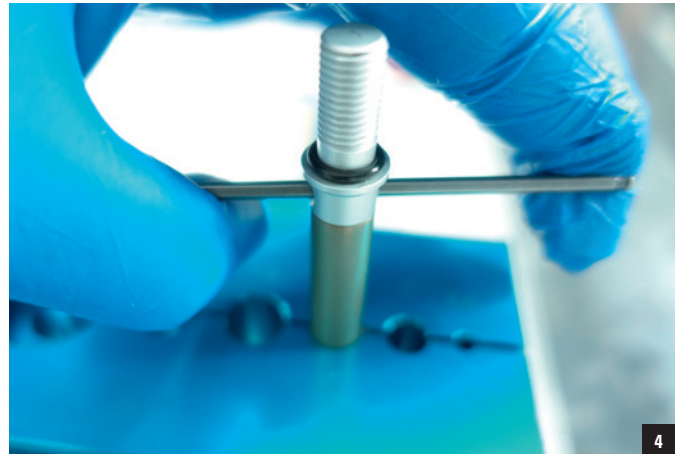


STEP 10

Clamp the new air shaft and install it in the vice. Make sure to install the shaft in the correct way (picture 3).

Note: Leave a 20mm gap between the top part of the shaft and the clamps so the shaft threads are not under stress (picture 3).

Clean the insert threads and apply Loctite 262 or equivalent. Use a 2.5mm steel shaft or 2.5mm Allen key and firmly tighten the insert by turning it clockwise.

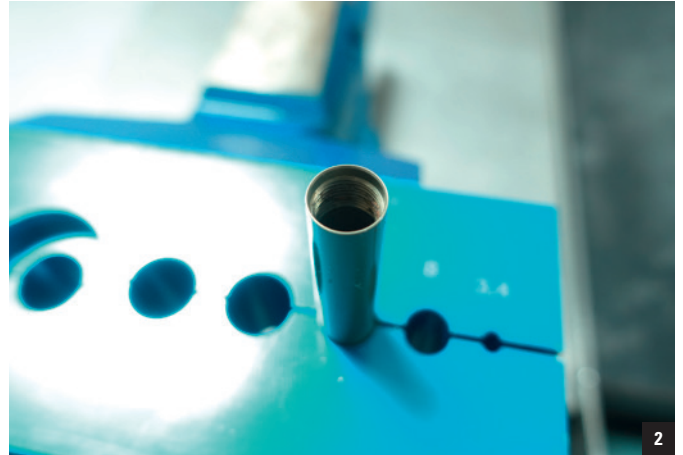


STEP 11

Flip the shaft. Apply SR SUNTOUR "Low-Friction" grease to the inner surface of the spacers, nose piece and rubber bumper, then install them on the shaft in the correct order (picture 1). Slide them down the shaft and clamp the air shaft in the vice.

The seal seat (an unthreaded section inside the end of the shaft) should now be visible (picture 2).

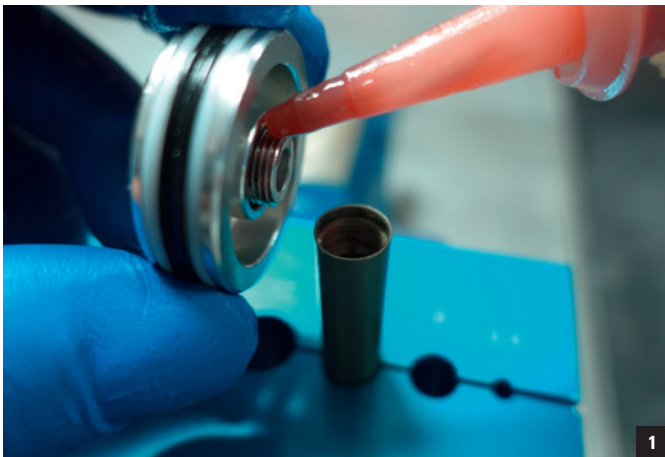
Note: Leave a 20mm gap between the top part of the shaft and the clamps so the shaft threads are not under stress.



STEP 12

Apply Loctite 262 or equivalent to the piston threads.

Use a torque wrench with 5mm Allen bit and tighten the piston to **5Nm**.

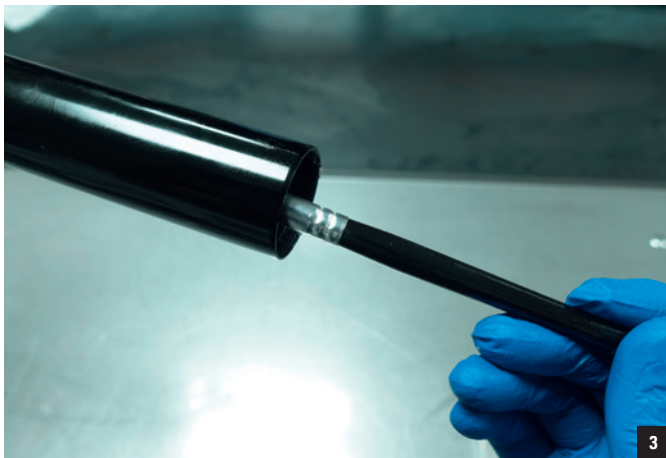


Remove the negative air shaft assembly from the clamps.



STEP 13

Apply SR SUNTOUR "Low-Friction" grease to the piston x-ring seal, the nose piece O-ring, and the inside of the stanchion.



STEP 14

Insert the air shaft assembly into the stanchion. Begin threading it by hand and finish with a torque wrench set to 2.7Nm.

Note: Do not exceed 2.7Nm of torque, as this could damage the stanchion.





STEP 15

Inject 1-2cc of air chamber oil directly in the stanchion (picture 1). Apply grease to the air cap assembly o-ring (picture 2).



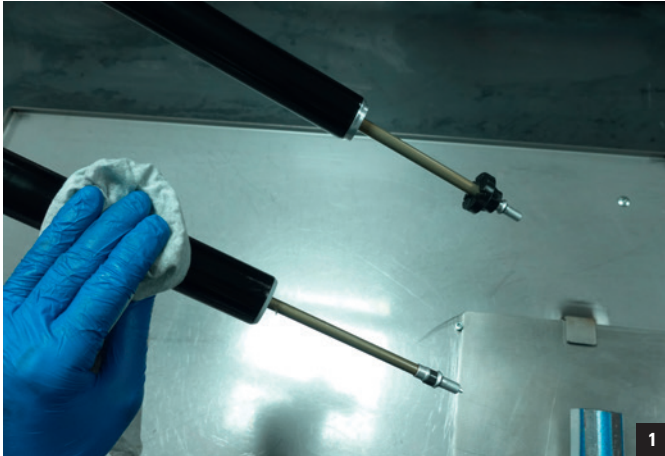
STEP 16

Install the air cap assembly in the left stanchion using the dedicated 27mm socket and ratchet, and tighten to **15Nm** (picture 1). Pressurize the air chamber to 80 psi (picture 2).



STEP 17

Clean the stanchions.



Prepare the lower leg assembly. For more details, please refer to the “LOWER LEG SERVICE...” guide specific to your fork for detailed instructions.

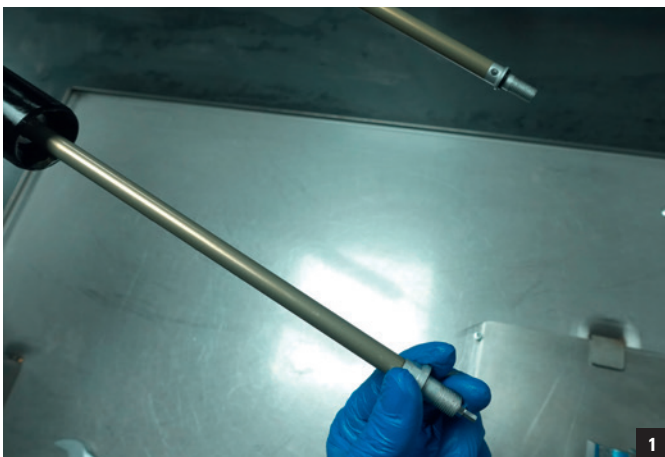
In summary, start by cleaning the lower legs bushings. Clean or replace the dust seals and foam rings. Grease the inner surface of both dust seals and bushings with SR SUNTOUR “Low friction” grease. Soak the foam rings with 20wt oil, then reinstall.



STEP 18

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

In summary, make sure the o-rings are installed at the bottom of both the air shaft and damper shaft respectively. Pull the damper shaft to the bottom of the stanchion, then install the lower legs onto the stanchions.



STEP 19

Pressurize the air spring to 70 psi and equalize the positive and negative chambers by compressing the fork a few times within the sag portion of the fork travel.

