F 535 ONE
CHANGING THE WIPER SEALS

V2018.03
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1. GENERAL

This manual shows how to change the wiper seals. Since the lower unit has to be dismounted to change the wiper seals, the scope of work corresponds to a complete small service. The wipers should be changed regularly as part of a small service. We recommend a small service after 50 hours of use. For frequent riding in dusty or muddy environments, the wiper seals should be changed more frequently.

The user must have read and understood the manual before installing the wiper seals. Third parties must also be informed of the following provisions.

For further information and activities, visit www.dtswiss.com.

⚠️ DANGER

Risk of injury and damage due to incorrect installation or incorrect use!

- If anything is unclear, contact a DT Swiss Service Center. Have the installation carried out by an experienced specialist.
- Read the entire user manual carefully before installing the wiper seals.
- The wiper seals must only be used for the DT Swiss F 535 suspension fork. The use of the wiper seals for handling other than that described in this user manual is not permitted.
## 2. TOOLS & MATERIALS

<table>
<thead>
<tr>
<th>Required Tools and Material</th>
<th>Specification</th>
<th>Quantity</th>
<th>Article number</th>
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<tr>
<td>wiper seal kit Ø35 ASM</td>
<td></td>
<td>1</td>
<td>FWKXXXXXXXXX20369S</td>
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<tr>
<td>- 2x wiper seal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>- 2x foam ring</td>
<td></td>
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<tr>
<td>- 2x O-ring</td>
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<td>DT Swiss Lube Fluid</td>
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<td>shock pump</td>
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</table>
3. CHANGING THE WIPER SEALS

3.1 RELEASING THE AIR

1. Unscrew the fixing screw of the cover on the spring side.
2. Remove the cover.

3. Unscrew the valve cap.

4. Release the air SLOWLY by pressing the valve insert with the backside of the valve cap.

5. With the valve insert pressed, slowly compress the fork twice by about 10 mm and then decompress fully.
   → This equalizes the positive and negative air chambers.
3.2 DISASSEMBLING THE LOWER UNIT

1. Ensure, that the air has been released completely (see „3.1 Releasing the air“ on page 5).

2. Screw in the screw on the spring side clockwise using the tool FXTXXXXXXXXX018482S.

3. Screw in the screw on the damping side clockwise using the tool FXTXXXXXXXXX018482S.
   → After the screws are screwed in, about 20 ml oil will leak out of each dropout. Collect the leaking oil using a suitable container.

4. Remove the lower unit carefully.

5. Collect the leaking oil using a suitable container.
6. Remove the O-rings from the connectors. If there is no O-ring on one of the connectors, it may be inside the lower. The O-ring must be removed from inside the lower.

7. Slightly grease the new O-rings and carefully slide them onto the connectors.

### 3.3 CHANGING THE WIPER SEALS

1. Remove both foam rings below the wiper seals.

2. Remove both wiper seals using a solid tire lever.

   **CAUTION:** The lower unit must not be damaged!

3. Clean the lower unit with an appropriate cleaner.

   - If you are using soap water, flush the lower unit with clear water after cleaning.
   - There must be no residual moisture inside the lower unit before re-mounting.
   - Only use lint-free textile cloths.
4. Degrease the seats of the wipers in the lower.

5. Slide the tool FWTXXXXX10015661S into the first wiper seal.

6. Carefully drive in the wiper seal using a hammer.

7. Remove the tool from the wiper seal.

8. Repeat steps to mount the second wiper seal.

9. Leave the lower unit for about 15 minutes and allow the wiper seals to seat.

10. Put two new, in DT Swiss lube fluid soaked foam rings between the bushings and the wiper seals.
3.4 ASSEMBLING THE LOWER UNIT

1. Before assembling, the damping unit should be compressed fully one time. This ensures, that the correct amount of oil is inside the damping unit. Possibly a small amount of oil may escape.

2. Decompress the damping unit.  
   Some vertical play of the damping unit is normal.

3. Check, if the O-rings of the connectors are still in place.

4. Slide the SAG O-ring onto the stanchion tube if it has been removed.

5. Slide the lower unit about 5 cm onto the upper unit.
6. Fix the fork 45° - 70° upright.

7. Fill 20 ml DT Swiss Fork Oil into the air side of the lower unit using a syringe.

8. Fill 20 ml DT Swiss Fork Oil into the damping side of the lower unit using a syringe.

9. Leave the fork for about 60 seconds to allow the bushings to be lubed.

10. Fully slide the lower unit onto the stanchions.

11. Screw both screws into the lower unit counterclockwise using the special tool FXTXXXXXXXX018482S.

12. Tighten the screws with a torque of 12 Nm.
3.5 INFLATING THE FORK

1. Inflate the fork [see user manual for detailed information].

2. Screw on the valve cap.

3. Put on the cover.

4. Screw in the fixing screw and tighten it handtight (max. 0.2 Nm).