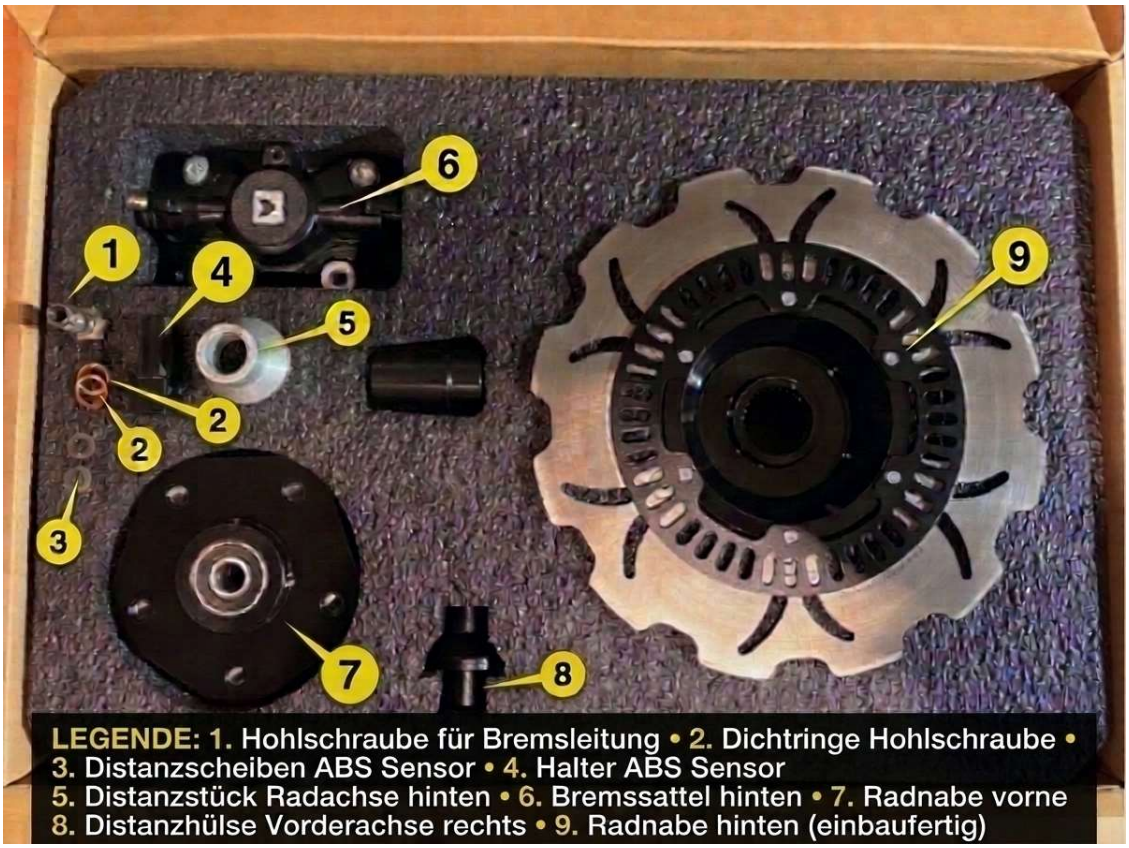
INSTALLATION INSTRUCTIONS FOR THE SCOOTERTEC HUB KIT ROYAL ALLOY MODELS TG/GP/JPS 300/350 — FOR 12- AND 13-INCH VESPA GTS WHEELS



1. Removing the front wheel

ScooterTec Tip: Carefully warm up the three screws of the brake disc or tone wheel before loosening. Disassemble the anti-dive damper.

Subsequently, loosen and remove the front wheel.



2. Mounting the ScooterTec wheel hub to the complete wheel

Attention: The wheel bolts are not included in the scope of delivery. Only M8 × 35 mm bolts (10.9) may be used. **Do not use any different bolt lengths.**



3. Reinstalling the front wheel

Reinstall the front wheel in reverse order. The supplied **spacer sleeve belongs on the right side** .

Apply medium strength (blue) thread locker to the three screws of the brake disc/tone wheel. Tighten the screws to the specified torque.

Installation Note: To provide more space when installing the larger wheel, one bolt of the fork link can be loosened. Afterwards, correctly reinstall the bolt and tighten it according to the manufacturer's specifications.



Rear Axle

4. Disassembling attachments

Remove both side covers, the exhaust muffler, and the torque support.

5. Removing the rear wheel and original wheel hub

Loosen and remove the rear wheel. Detach the brake caliper including the brake line from the engine housing and set it safely to the side. Ensure that the brake line is not tensioned or kinked.

Detach the ABS sensor from the brake caliper. Then pull off the original wheel hub.

6. Installing the ABS bracket

Loosen the **rear M8 nut** on the shock absorber mount. Reinstall the supplied **black ABS bracket** as a fastening at this point.



7. Installing the ScooterTec wheel hub

Slide the complete ScooterTec wheel hub onto the drive shaft. Then slide on the supplied **spacer for the wheel axle**.





8. Installing the ABS sensor and adjusting the gap

Attach the ABS sensor to the ABS bracket. The distance between the ABS sensor and the tone wheel should be **0.5–1.5 mm**. The two supplied shims can be used for adjustment if necessary.

The ABS sensor should be aligned centrally with the windows on the tone wheel.

9. Installing the supplied brake caliper

Loosen the banjo bolt of the original brake caliper and install the supplied brake caliper.

Important: You must use the supplied new banjo bolt and the new sealing rings – the thread pitch is different. Since the brake line is opened, the brake system must then be professionally bled and checked for leaks and proper function.



10. Installing the complete wheel

Mount and fasten the complete wheel. Pay attention to the prescribed bolt length (M8x35 mm 10.9) and tighten the bolts to the torque specified by the manufacturer.

11. Reinstalling attachments

Reinstall all previously removed parts in reverse order: **Torque support, exhaust muffler, and both side covers.**

Important Final Checks

- Check all screws again for tightness.
- Professionally bleed the brake system and carefully check the brake function.
- Check the wheels for free movement.
- During the first ride, the ABS warning light should go out after a few meters. If it stays on or the brake does not function perfectly, stop the ride and have the cause checked.
- If you stay with 12-inch rims, note that the maximum tire width of 120 (e.g., 120/70-12) must not be exceeded. Depending on the design of the tire used, it may rub against the nut of the anti-dive damper!

Note: The specific tightening torques and bolt lengths must be checked against the manufacturer's specifications for the respective components.