

FITTING INSTRUCTIONS

VW-Beetle

disc brake kit - 2-piston

Front axle – internally ventilated

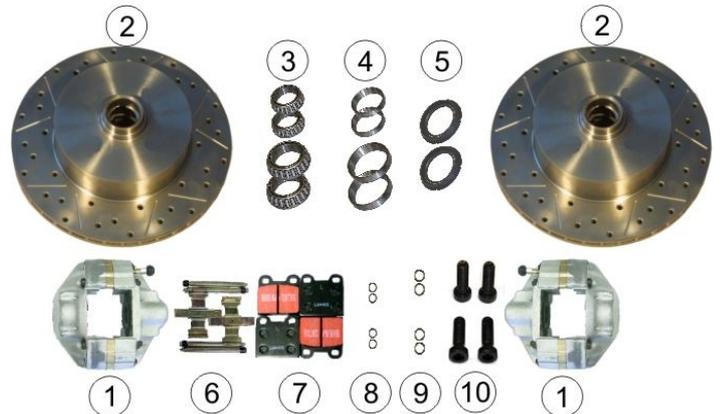
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Contents:

- 2 Brake discs (2) internally ventilated (or cross drilled and slotted)
- 2 Brake calipers 2-piston (1) (BZ80110/11KER)
- 1 Set brake pads (7) (BZ80113KER)
- 2 Set wheel bearings (3,4,5) (7580012KER)
- 4 Screws M10x1,5x30 /10.9 (10)
- 4 Spacers 10x20x4mm (9)
- 1 Accessory kit 6-parts (6) (BZ80114KER)
- 4 Shims 10mm (8)



May also be fitted: 1 Master cylinder (BZ52017KER)
1 Set steel brake hoses

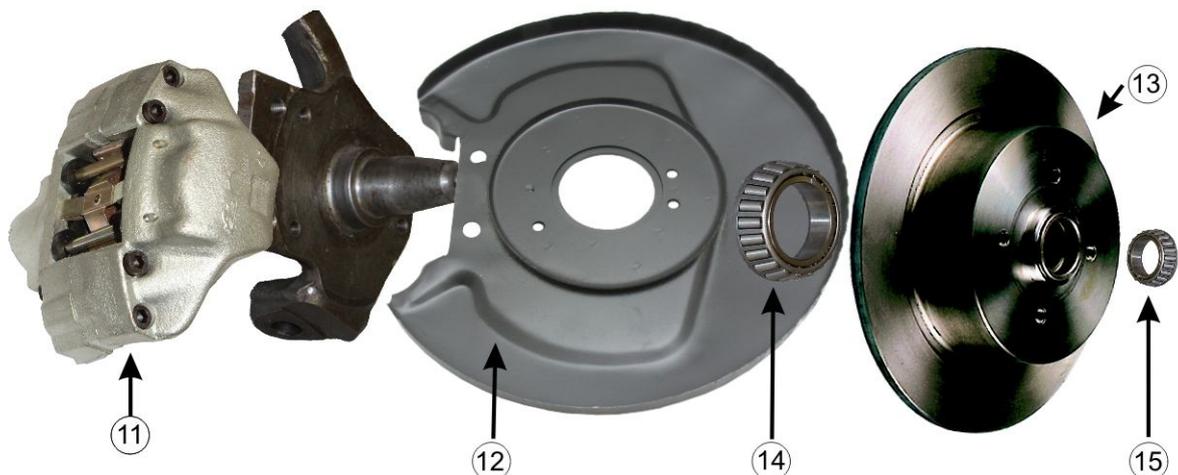
Our brake kits, 4-or 5-stud, can be fitted to all VW Beetles which were either fitted as standard with steering knuckles for disc brakes or have been converted at a later date.

NOTE: Diameter of the stub axle for the inner bearing 29mm necessary
(‘65-‘67 models could have 27 mm – which are available from us, part-no:7580013KER)

Maintenance and repair of brakes should be performed by qualified personnel only!!

Disassembly original brake:

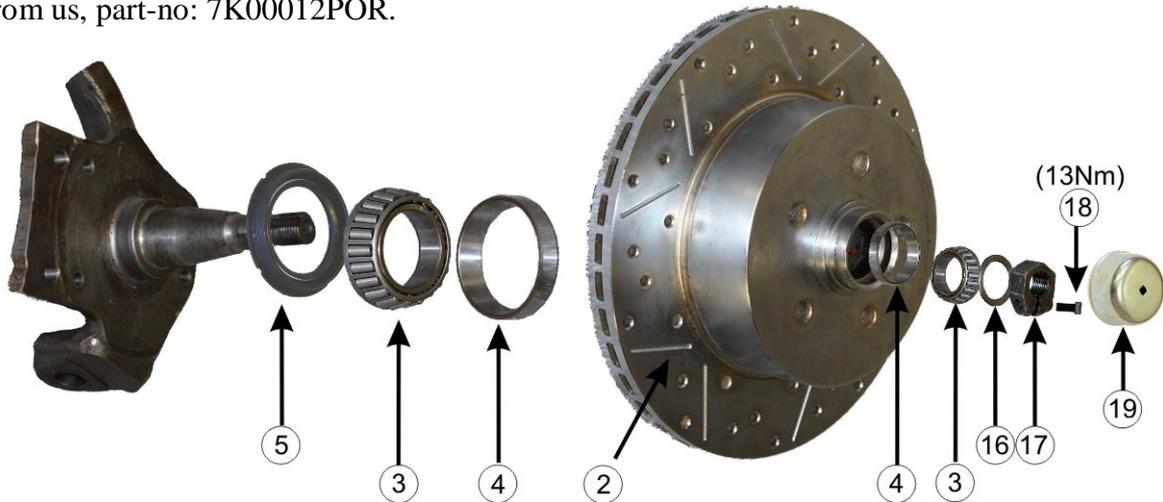
- Remove calipers (11), discs (13), wheel bearings (15,14) and cover plates (12).



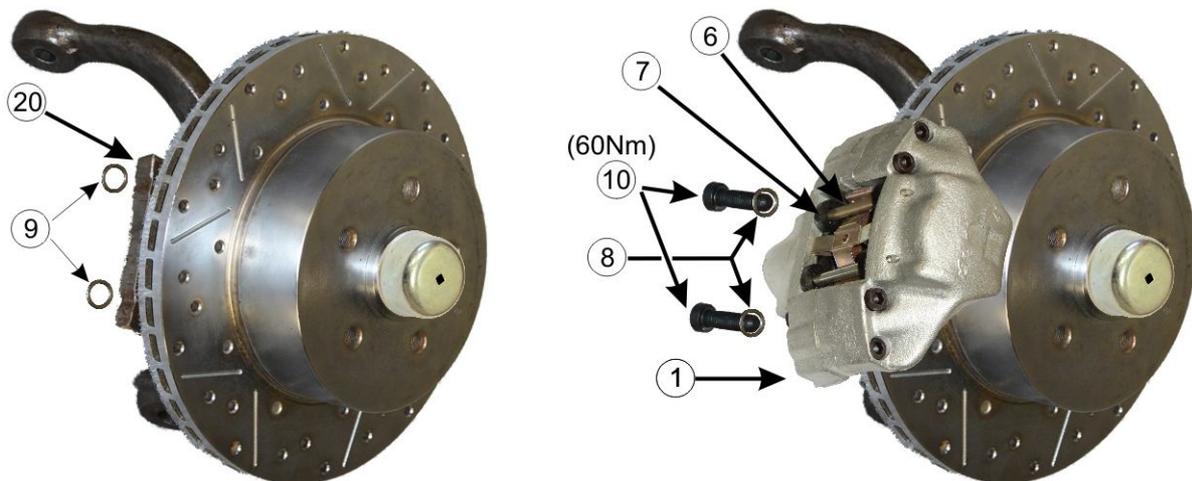
Fitting Kerscher brake:

- Grease inner and outer wheel bearings (3) with usual bearing grease
- Press the wheel bearing shell (4) for the inner and outer wheel bearing into the brake discs (2) by using suitable tools. Insert the inner wheel bearing (3) and mount seal (5) with suitable tool.

- Push the pre-assembled brake disc onto the kingpin. Insert the outer wheel bearing (3) and fix it with pressure disc (16) and lock nut (17). Make sure that the pressure disc does not tilt. Adjust wheel play and tighten screw (18). Tightening torque 13Nm. Mount wheel cap (19).
 NOTE: you need different grease caps when you mount brake discs PCD 100/4 – available from us, part-no: 7K00012POR.



- Attach supplied spacers (9) between stub axle (20) and brake caliper (1). Fix brake calipers with screws M10x30 (10) and shims 10mm (8). Tightening torque 60Nm.



- Mount brake pads (7) by using assembly kit (6).
- Bleed the complete brake system

Check before test drive:

- recheck the tightness of all mounted parts – also check leaktightness.
- function control and test on brake test stand.

How to run-in the new brake pads / brake discs

- **You should run-in new brake pads ca.50km – then they reach their full effect.**
- **Run-in new brake pads carefully by braking a few times with little pedal force from 80km/h to 40km/h. Let brake cool down a bit in between.**
- **Aprupt braking only in emergency case.**

