

Mounting Instruction

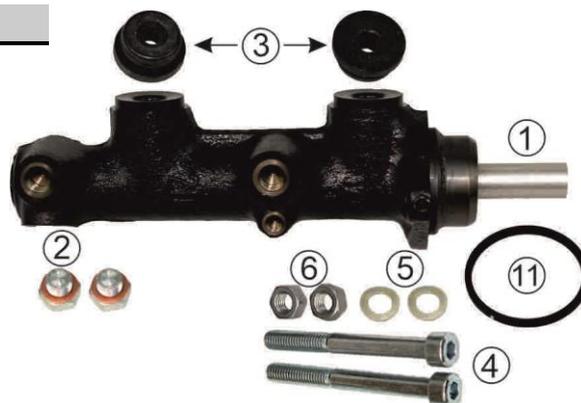
Master Brake Cylinder BZ52017KER with Kerscher disc brake front and rear

09.07.21



Contents

pc	article description	BZ52017KER
1	master brake cylinder	(1)
1	lock screw M10x10mm	(2)
1	O – ring	(11)
2	tank plugs 8mm	(3)
2	screws M8x75 mm	(4)
2	spring discs 8mm	(5)
2	nuts M8	(6)



(accessory kit separate = No. BZ52019KER)

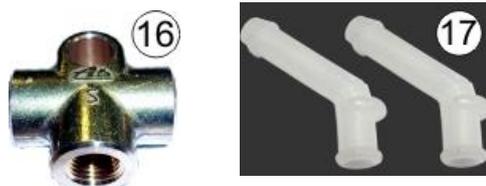
Additional required for types 1200/1300/1500:

pc	article description	BZ80267KER
1	banjo fitting	(12)
1	hollow screw	(13)
1	seal 10x18	(14)
1	seal 12x18	(15)



Replacement for original parts:

pc	article description	
1	T-distributor	(16) BZ52022KER
2	elbow pipes 8mm	(17) BZ520092-1KER



Mounting kit for types 1302/1303 (up to 07/74)

pc	article description	BZ80269KER
1	adapter plate	(18)
1	push rod	(19)
2	screws M8x60mm with spring discs 8mm	(20)
2	cylinder head screws M8x20mm with spring discs 8mm	(21)



Preparation

Remove installed master brake cylinder incl. both spacer bushes from the partition wall.

The brake fluid is to be caught in a suitable container and disposed according to regulations.

Run the brake line from the rear brake kit forward and lay it new in the foot area. Ensure there is sufficient space between the brake line and the clutch pedal.

Remove brake light switch towards partition wall (see Abb.6).

Abb. 1

Remove both 12mm tank plugs from the Kerscher master brake cylinder (1) (only if there were fitted original 8mm elbow pipes) and replace with supplied 8mm (3) tank plugs.

Close the outlet at the bottom of the master brake cylinder with supplied lock screw (2). (tightening torque ca. 6,5Nm)

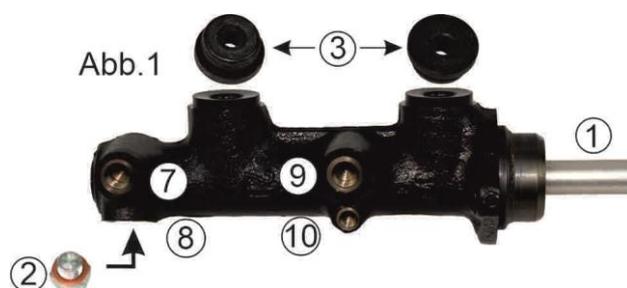
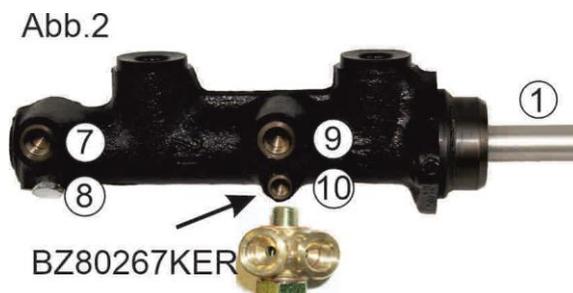


Abb. 2

Additional required for types 1200, 1300 and 1500: banjo fitting, hollow screw and seals (part-no: BZ80267KER)



Mounting

VW-Beetle 1302/1303 (with mounting kit BZ80269KER)

If you use our mounting kit BZ80269KER (Abb.3) with screws, spring discs (20) and original spacer bushes you have to bolt the adapter ring (18) through the threads (22/23) to the partition wall.

Move the master brake cylinder with the o-ring through the body. Make sure that you do not damage the piston rod! (possibly protect piston rod with rubber hose)

Attention: Damaging the piston rod will cause leakage of the master brake cylinder!

Bolt the push rod (19) to the brake pedal.

Position the master brake cylinder horizontal. Both fill ports must face upwards and the push rod has to be centric and straight placed in the piston rod.

Attention: it can also cause leakage if the push rod is not completely parallel to the piston rod!

Screw the master brake cylinder with screws M8x20mm (21) to threads (24/25) of the adapter (18).



Beetle 1302/1303 (without mounting kit BZ80269KER)

Move the master brake cylinder with the O-ring (11) through the body.

Make sure that you do not damage the piston rod! (possibly protect piston rod with rubber hose)

Attention: Damaging the piston rod will cause leakage of the master brake cylinder!

Abb.4

Mark both drill holes on the car body and remove master brake cylinder.

Drill two 9mm holes at the marked positions from the outside to the inside, parallel to the base. Enlarge the holes from side of the foot area with drill bit to 12,5mm.



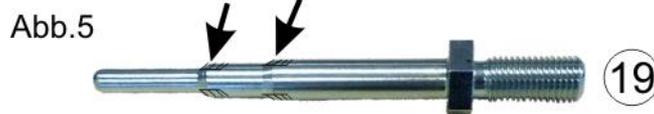
Beetle 1200-1500

If the push rod is too long, you have to demount it and shorten ca. 10mm. Round the ending off a bit.

Rework also the gradations of the push rod (Abb.5)

Make sure that the push rod does not touch the guide sleeve of the master brake cylinder when you press the brake pedal.

Remount the push rod to the brake pedal.



Final assembly 1302/1303 (without mounting kit) and 1200/1300/1500

Screw together the master brake cylinder with 2 screws M8x75 (4) and original spacer bushes from inside to outside with spring discs 8mm (5) and nuts M8 (6).

Adjustment after assembly of the master brake cylinder

Adjust the push rod, that there is noticeable ca. 1-2mm clearance between push rod and piston rod of the master brake cylinder.

Connect supply pipe of the brake fluid reservoir, brake pipes (Abb.6 no.7 and 10) and brake light switch (Abb.6 no.9). Remove second brake light switch.

Bleed the brake.

Make a test drive and check clearance of the push rod again.



Abb.6 Only for types 1302/1302
 (replacement part no: BZ52022KER)

