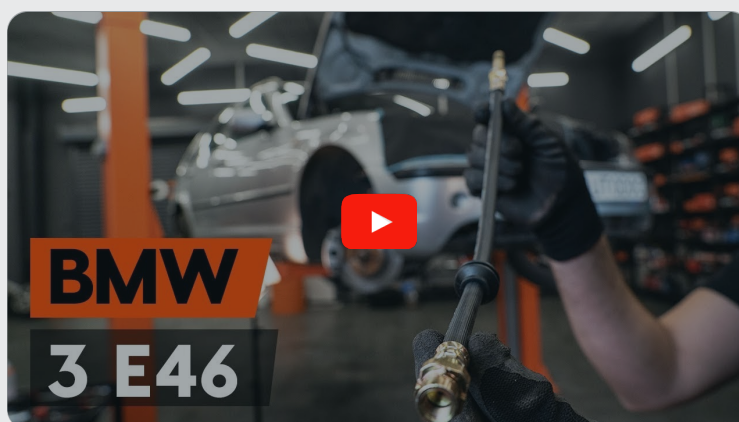


## VIDEO TUTORIAL



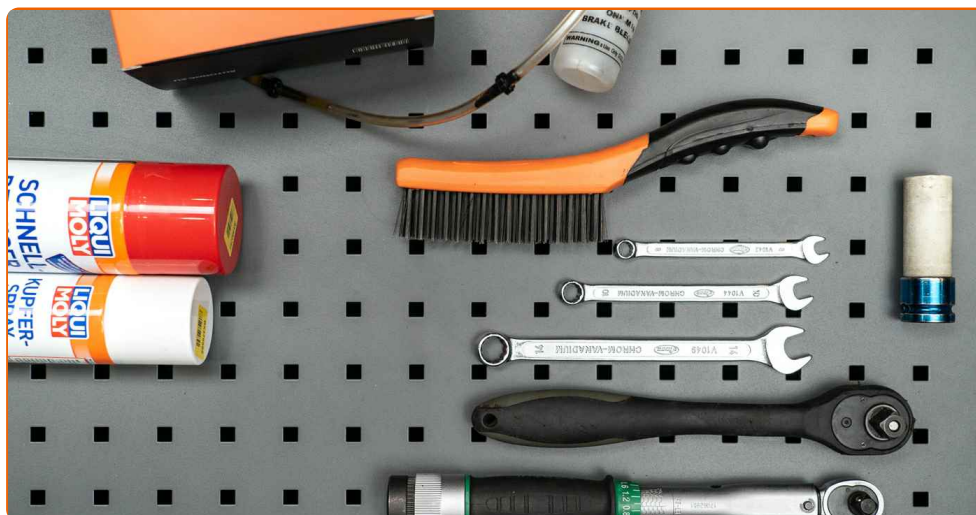
### Important!

This replacement procedure can be used for:

BMW 3 Saloon (E46) 318i 1.9, BMW 3 Saloon (E46) 328i 2.8, BMW 3 Saloon (E46) 320d 2.0, BMW 3 Saloon (E46) 323i 2.5, BMW 3 Saloon (E46) 320i 2.0, BMW 3 Coupe (E46) 323Ci 2.5, BMW 3 Coupe (E46) 328Ci 2.8, BMW 3 Saloon (E46) 316i 1.9, BMW 3 Touring (E46) 320i 2.0, BMW 3 Coupe (E46) 320Ci 2.0, BMW 3 Coupe (E46) 318Ci 1.9, BMW 3 Touring (E46) 318i 1.9, BMW 3 Touring (E46) 328i 2.8, BMW 3 Touring (E46) 320d 2.0, BMW 3 Saloon (E46) 330d 2.9, (+ 52)

The steps may slightly vary depending on the car design.

## REPLACEMENT: BRAKE HOSE – BMW E46 TOURING. TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #9
- Combination spanner #10
- Combination spanner #14
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Brake bleeder kit
- Fluid container
- Wheel chock

**BUY TOOLS**

Replacement: brake hose – BMW E46 touring. AUTODOC recommends:

- The replacement procedure is identical for the right and left brake hoses on the same axle.
- All work should be done with the engine stopped.

## REPLACEMENT: BRAKE HOSE – BMW E46 TOURING. TAKE THE FOLLOWING STEPS:

**1** Open the bonnet. Unscrew the brake fluid reservoir cap.



**2** Secure the wheels with chocks.

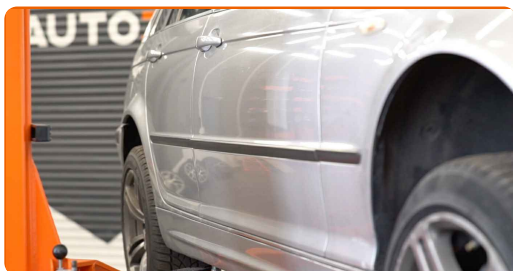


**3** Loosen the wheel mounting bolts. Use wheel impact socket #17.



4

Raise the front of the car and secure on supports.



5

Unscrew the wheel bolts.

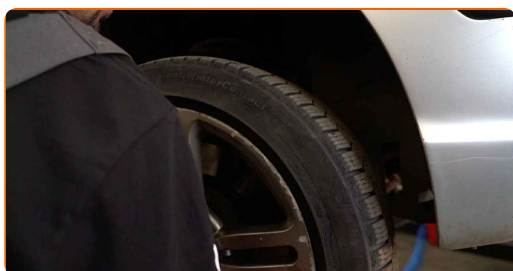


### AUTODOC recommends:

- Important! Hold the wheel while unscrewing the fastening bolts. BMW E46 touring

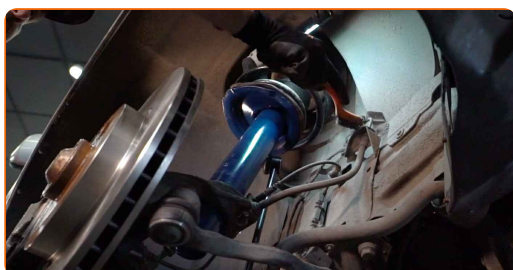
6

Remove the wheel.



7.1

Clean the area where the brake hose is connected to the brake caliper and to the brake circuit pipe.



**7.2** Use a wire brush. Use WD-40 spray.



**8** Put a container for gathering brake fluid beneath.



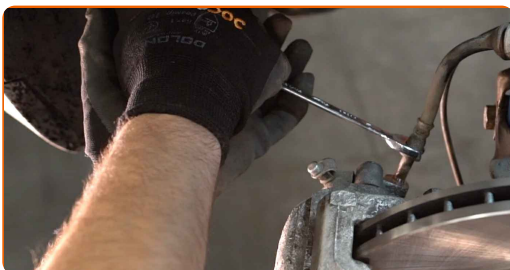
**9** Unscrew the fastener connecting the brake hose to the brake circuit pipe. Use a combination spanner #10.



**10** Detach the brake hose from the shock strut.



**11** Loosen the brake hose fastening. Use a combination spanner #14.





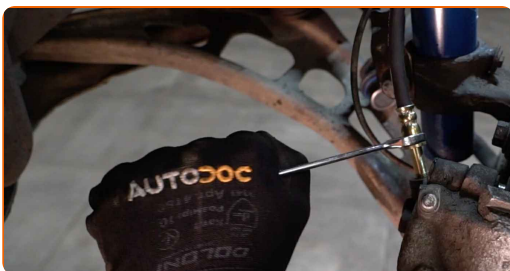
- 12 Unscrew the brake hose from the brake caliper.



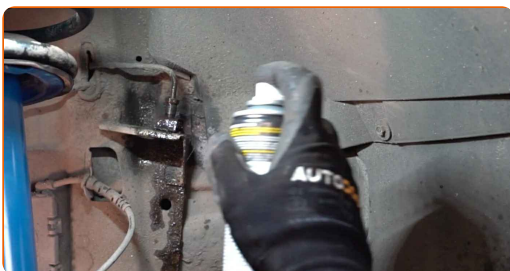
- 13 Screw the new brake hose onto the brake caliper.



- 14 Tighten the fastener connecting the brake pipe to the brake caliper. Use a combination spanner #14. Use a torque wrench. Tighten it to 22 Nm torque.



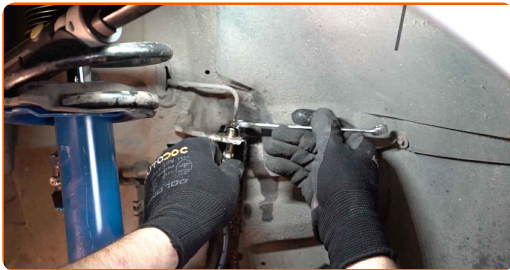
- 15 Clean the brake hose mounting seat on the brake circuit pipe. Use a brake cleaner.



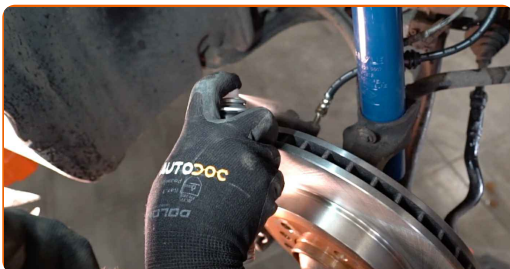
Replacement: brake hose – BMW E46 touring. AUTODOC experts recommend:

- After applying the spray, wait a few minutes.

- 16** Tighten the fastener connecting the brake hose to the brake circuit pipe. Use a combination spanner #10. Use a torque wrench. Tighten it to 14 Nm torque.



- 17** Clean the area where the brake hose is connected to the brake caliper and to the brake circuit pipe. Use a brake cleaner.



### AUTODOC recommends:

- Replacement: brake hose – BMW E46 touring. After applying the spray, wait a few minutes.

- 18** Fasten the brake hose on the strut.



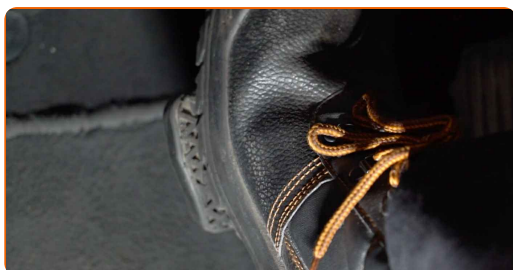
- 19 Connect the brake bleeder kit to the brake bleeder screw.



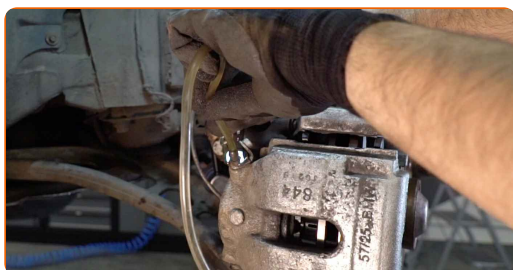
- 20 Undo the brake bleeder screw. Use a combination spanner #9.



- 21 Press the brake pedal several times to remove any air from the system.



- 22 Tighten the brake bleeder screw. Use a combination spanner #9.



- 23 Disconnect the brake bleeder kit.





24

Clean dirt from the brake hose bolt. Use a brake cleaner.

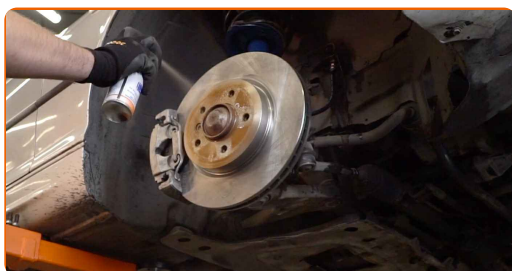


### Replacement: brake hose – BMW E46 touring. Tip:

- After applying the spray, wait a few minutes.

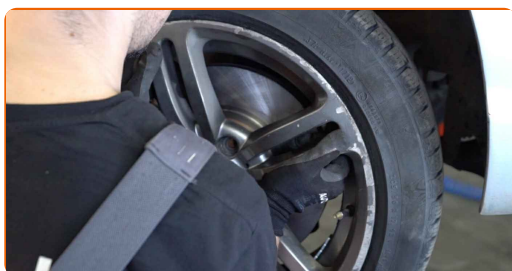
25

Clean the brake disk surface. Use a wire brush. Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



26

Install the wheel.



### AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

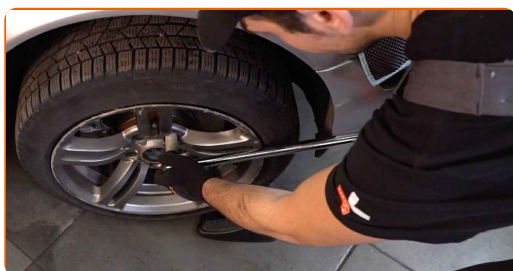
27

Screw in the wheel bolts. Use wheel impact socket #17.



28

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



29

Remove the jacks and chocks.



30

Check the brake fluid level in the expansion tank and refill if necessary.

