



Haynes
shows you how

BMW 3-Series 320i & 320xi (12-14), 325i, 325xi, 330i & 330xi (06) & 328i & 328xi (07-14) Haynes Online Manual

4 Clutch release cylinder - removal and installation

Warning:

Brake fluid is poisonous; wash off immediately and thoroughly in the case of skin contact, and seek immediate medical advice if any fluid is swallowed or gets into the eyes.

Caution:

Don't allow brake fluid to come into contact with the paint as it will damage the finish.

Removal

1 Remove the brake fluid reservoir cap, and siphon out enough fluid so that the level is below the level of the reservoir fluid hose connection to the clutch master cylinder (the brake fluid reservoir feeds both the brake and clutch systems). Do NOT empty the reservoir, as this will draw air into the brake system.

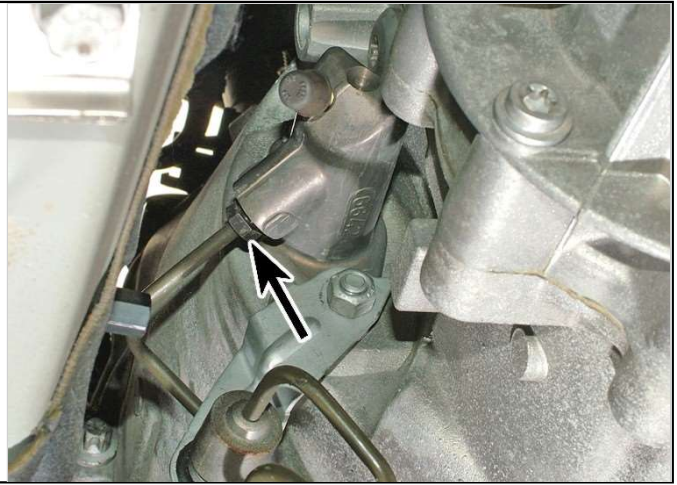
2 To improve access, raise the vehicle and support it securely on jackstands.

3 Release the bolts and remove the splash shield (if equipped) for access to the transmission bellhousing.

Metal release cylinder

4 Place a container beneath the hydraulic pipe connection on the clutch release cylinder to catch escaping brake fluid. Unscrew the union nut and disconnect the fluid line (see illustration)

4.4 Fluid pipe union nut (metal release cylinder)



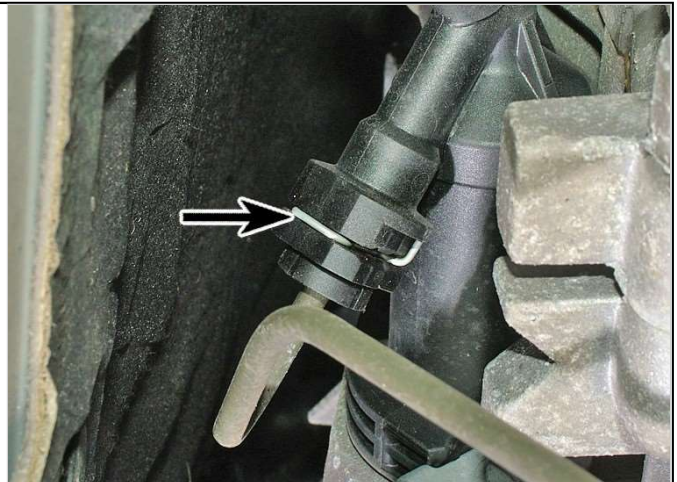
5 Unscrew the securing nuts and withdraw the release cylinder from the mounting studs on the bellhousing.

Plastic release cylinder

6 Remove the release cylinder mounting nuts and withdraw the release cylinder from the mounting studs on the transmission.

7 Pry out the retaining clip and disconnect the fluid line from the cylinder (see illustration) .

4.7 Pry out the clip and separate the fluid line from the plastic release cylinder



Inspection

8 Inspect the release cylinder for fluid leaks and damage, and replace if necessary. At the time of writing, no spare parts are available for the release cylinder, and if faulty, the complete unit must be replaced. Check with your dealer or specialist.

Installation

9 On models with a plastic release cylinder, press the piston into the cylinder, then reconnect the fluid pipe. Refill the fluid reservoir, then extend and compress the piston in the cylinder five times while holding the cylinder

vertical.

10 The remainder of installation is the reverse of removal, noting the following points:

- A. Before installation, clean and lightly grease the end of the release cylinder pushrod.
- B. Tighten the mounting nuts to the specified torque.
- C. Top-off the fluid level and bleed the clutch hydraulic system (see [Section 5](#)).

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