



Fitting instructions

Gear Shift Actuator

Models

Audi

Reference numberAll equipped with
OCK Transmission

Gear Shift Actuator replacement

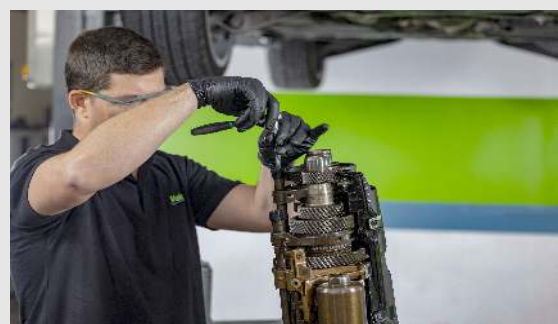


Step 1

1. The Gear Shift Actuator is located inside the vehicle's gearbox, so to access it is necessary:

Remove the gearbox from the car.
Drain the gearbox fluids (ATF and MTF).

Remove the outer casing of the gears.



Step 2

2. The pistons of the gear shift actuator are attached to the gear selection forks by means of screws.

It is necessary to access them and unscrew them completely.



Step 3

3. ATTENTION. Once the screws are completely unscrewed, they do not come out of their housings.

They have a retaining device to prevent them from being lost.





Step 4

4. Before removing the gear shaft, unscrew the speed sensor which is included in the gear shift actuator.



Step 5

5. Remove it in such a way that it does not get in the way or can break when operating the gearbox.



Step 6

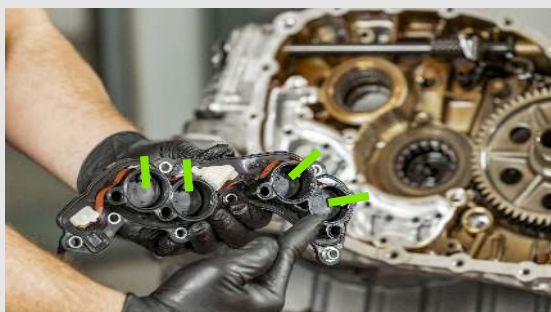
6. Use a lifting tool (hydraulic boom, hoist, etc.) to remove the gear shaft from the gearbox.



Step 7

7. Unscrew the gear shift actuator retaining screws.





Step 8

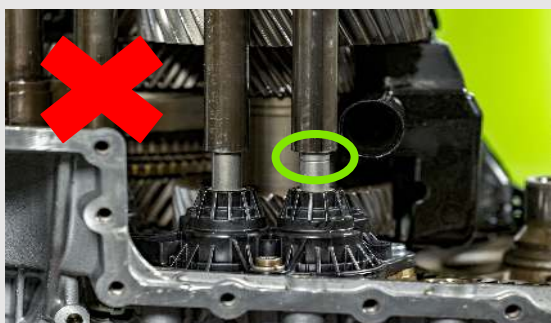
8. During assembly, make sure that the inductors are aligned with the sensors.

Otherwise the piston will not fit properly on the fork and positioning the gear assembly in place will cause it to break.



Step 9

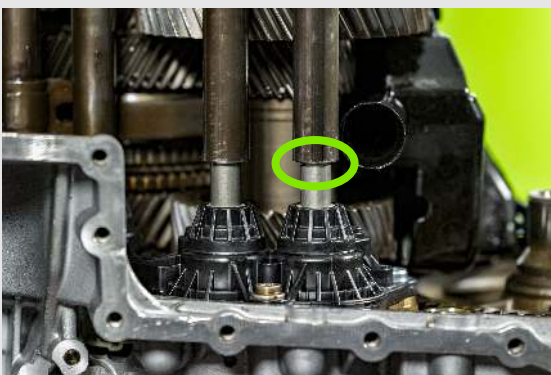
9. Tighten the bolts to the appropriate torque.



Step 10

10. The pistons of the gear shift actuator incorporate a line mark as a reference.

This mark is used to indicate correct positioning of the piston within the gear selector fork housing.



Step 11

11. When the gear shift actuator piston is installed correctly, the distance between the reference mark and the end of the fork tube is approximately 2 mm.

Tighten the gear shift actuator bolts to the torque specification.



Step 12

12. Tighten the bolts to the appropriate torque.



Step 13

13. Fit and screw on the gear shaft speed sensor.

