



## LuK Service Info



# Complaints regarding the double clutch

## Possible handling issues and error memory entries

Manufacturer: Volkswagen Group

Gearbox: DQ /Generation

Model year: from 06/2011

See parts catalog for current assignment

In Volkswagen Group vehicles that are equipped with a second-generation dry double clutch transmission, the bonding of the gearbox-side hinge bearing of the large engagement lever (figure 1) may become loose during the operating life.

This can result in the following symptoms:

- The vehicle judders/rattles when pulling away or during automatic gear changes from first to second gear.
- The malfunction display for transmission errors on the dashboard lights up intermittently.
- The gearbox switches to emergency mode; only gears 1, 3, 5 and 7, or 2, 4, 6 and R can be used.

The following errors may be stored in the transmission control unit:

- P177D00 – Double clutch torque too high
- P189A00 – Insufficient clutch play
- P177C00 – Clutch tolerance limit reached
- P189B00 – Insufficient clutch play
- P177B00 – Clutch tolerance limit reached
- P278900 – Clutch adaptation at stop
- P081000 – Clutch control malfunction

If the double clutch is replaced on the basis of these complaints, the hinge bearing must be checked using the following criteria:

- Is the hinge bearing parallel to both contact surfaces in the gearbox housing and is there full-surface contact?
- Is the hinge bearing firmly bonded in its installation position such that it cannot be moved?

If the hinge bearing fails to meet one of these criteria, a repair measure is required.

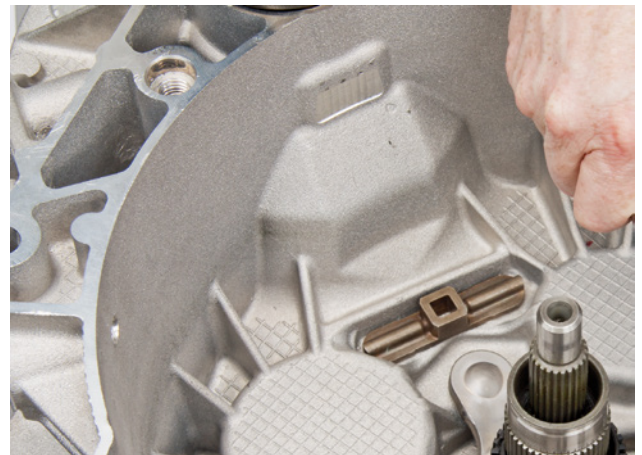


Figure 1 : Hinge bearing of the large engagement lever

If a hinge bearing is loose or not parallel to the contact surfaces, proceed as follows:

1. Remove the hinge bearing using commercially available pliers (for example: water pump pliers) and a back-and-forth motion.
2. Thoroughly clean the alignment holes in the gearbox-housing using garage equipment.
3. Thoroughly clean the rear of the hinge bearing using garage equipment. Then apply liquid locking agent (spare part numbers: D 000 600 A2, D 154 103 A1 or AMV18800102) to the rear of the hinge bearing at the contact surfaces.
4. Reinsert the hinge bearing into the gearbox housing. Using a hammer and a suitable auxiliary tool (for example: a copper mandrel, an aluminum mandrel, or a piece of wood), carefully drive the hinge bearing into the gearbox housing as far as it will go. To do this, alternately strike the left and right sides of the hinge bearing.
5. Continue driving in until the end stop is audible.

Please observe the vehicle manufacturer specifications!

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