

24.10.2023

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Workshop Manual

ElsaPro transaction no.: 19154

DMS order no.:

VIN: ~~VW...~~

Model year: 2014

Sales code: 5F15UX

Model description: LEON 1.4 TSIFR 5d103 DF6M6

Engine code: CHPA

Gearbox code: NBJ

Registration number: ~~E...~~

Final drive code:

Username: kjølby

Service advisor name: kjølby, jakob(DPK2OVX)

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## Draining and filling gear oil

### Special tools and workshop equipment required

- ◆ Torque wrench – VAG 1331A–
- ◆ Hose (approx. 600 m long, external diameter 10 mm) with funnel, commercially available
- ◆ Receptacle (capacity 3.0 l) with graduated scale

### Drain gear oil

Gear oil → [Electronic parts catalogue \(ETKA\)](#).

- Remove the complete air cleaner housing if it is located above gearbox selector lever.

### Vehicles with diesel engine

- → [Rep. gr.23](#); Air filter; Removing and installing air filter housing

### Vehicles with petrol engine

- → [Rep. gr.24](#); Air filter; Removing and installing air filter housing

### Continued for all vehicles:

- Remove noise insulation  
→ [General body repairs, exterior](#); [Rep. gr.55](#); Bonnet; Removing and installing noise insulation

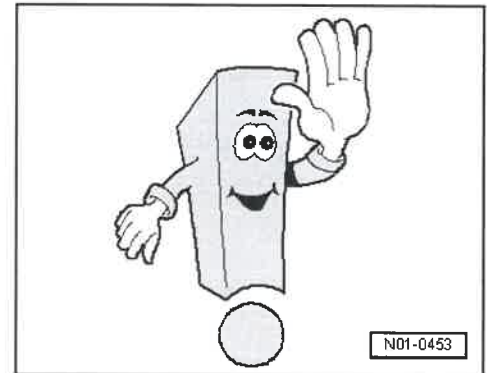


Clean gearbox.

**⚠ CAUTION**

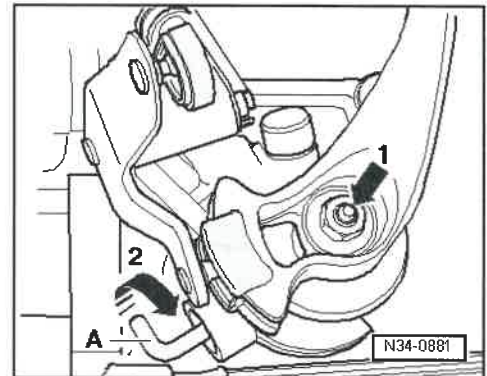
To drain gear oil, a pivot pin for the selector forks in the gearbox must be removed.

To prevent the positions of the selector forks from being changed, e.g. due to accidental operation of the selector mechanism, the selector shaft must be locked in position.



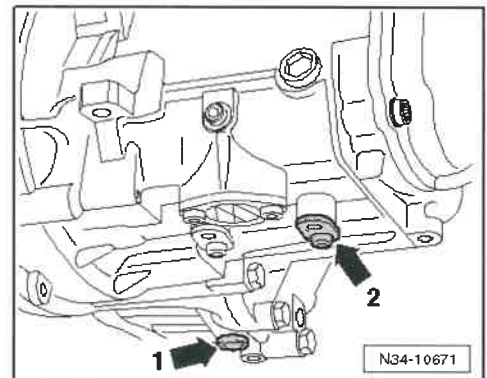
**Secure selector shaft as follows:**

- Press selector shaft down in –direction of arrow 1– .
- When pressing down the gearshift shaft turn angle lever –A– in –direction of arrow 2– upwards and at the same time press it in carefully until it locks into the gearshift shaft.
- The selector shaft is now locked.



**Use a clean container (capacity 3.0 l) with a graduated scale to collect gear oil.**

- Drain gear oil by first removing oil drain plug –arrow 1– and then pivot pin for selector forks –arrow 2– .
- Install pivot pin for selector forks –arrow 2– with a new O-ring → **Chapter.**



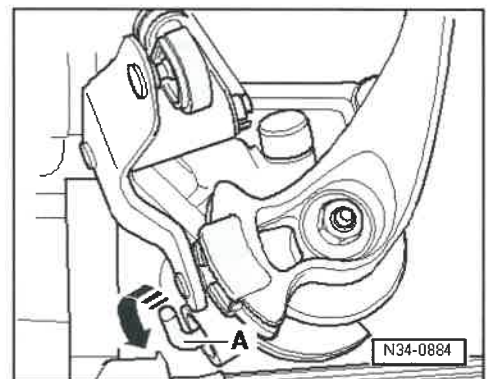
- Screw in oil drain plug –arrow 1– → **Item.**
- Now turn angled rod –A– back to original position –direction of arrow – so that selector shaft can move again.

**Fill with gear oil**

- The oil drain plug is tightened to 35 Nm.
- The pivot pin for selector forks is installed with a new O-ring → **Chapter.**

Gearbox oil → [Electronic parts catalogue \(ETKA\)](#)

**Top up gear oil in container to 2.1 l.**



- Remove reversing light switch – F4– –arrow– .
- Fit a hose (approx. 600 mm long, external diameter 10 mm) onto a funnel (commercially available).
- Insert hose in fitting hole for reversing light switch – F4– (2nd mechanic) and fill gear oil.
- Install the reversing light switch – F4– –arrow– → **Chapter** again.
- Check operation of selector mechanism → **Chapter**.
- If removed beforehand, install complete air filter housing.

#### **Vehicles with turbo diesel engine**

- → **Rep. gr.23; Air filter; Removing and installing air filter housing**

#### **Vehicles with petrol engine**

- → **Rep. gr.24; Air filter; Removing and installing air filter housing**

#### **Continued for all vehicles:**

- Install noise insulations  
→ **General body repairs, exterior; Rep. gr.55; Bonnet; Removing and installing noise insulation**

