

Servicing shift mechanism

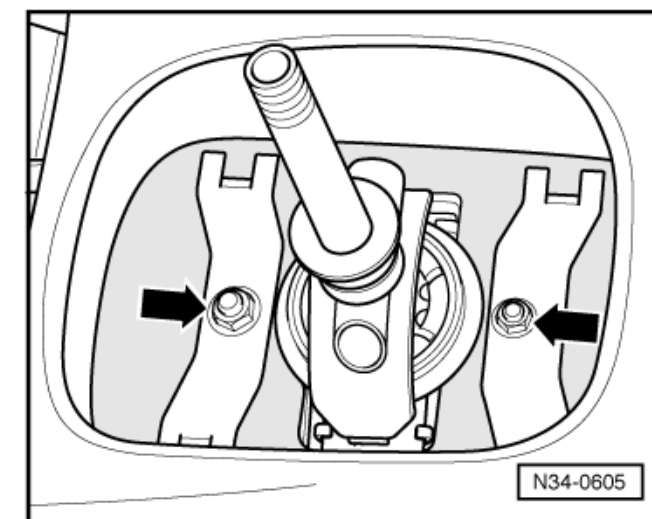
Adjusting shift mechanism

Requirements:

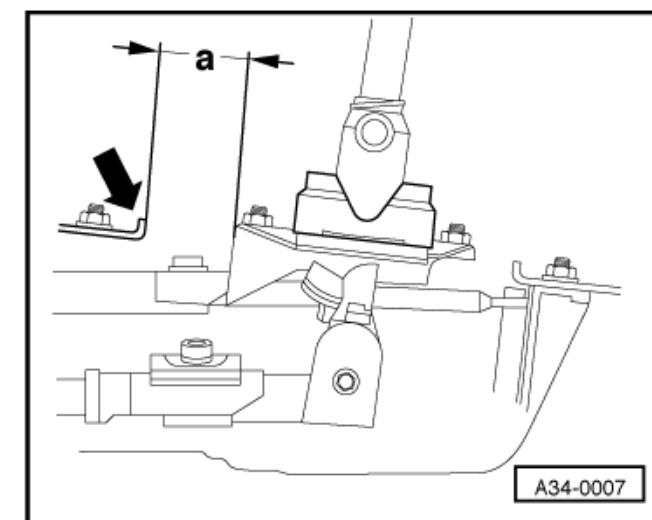
- Moving parts of shift mechanism and transmission elements must be in perfect condition
- Shift mechanism must move freely
- Gearbox, clutch and clutch mechanism in perfect working order
- Gearbox in neutral

- Twist knob off gear stick.
- Remove cover for gear stick.

- → Unscrew noise insulation for shift mechanism housing -arrows-.



- Measure distance between body and rear push rod (in shift mechanism).
- → Specification: Dimension a = 37 mm



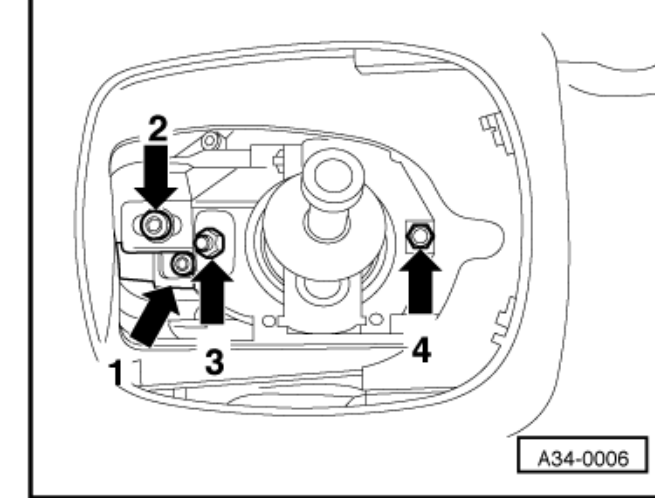
□ If this is not the case, distance -a- should be set as follows:

□ → Slacken off bolt -arrow 2- for push rod.

□ Rear push rod (in shift mechanism) must move freely back and forth on slider

□ Set dimension -a- by adjusting rear push rod (in shift mechanism).

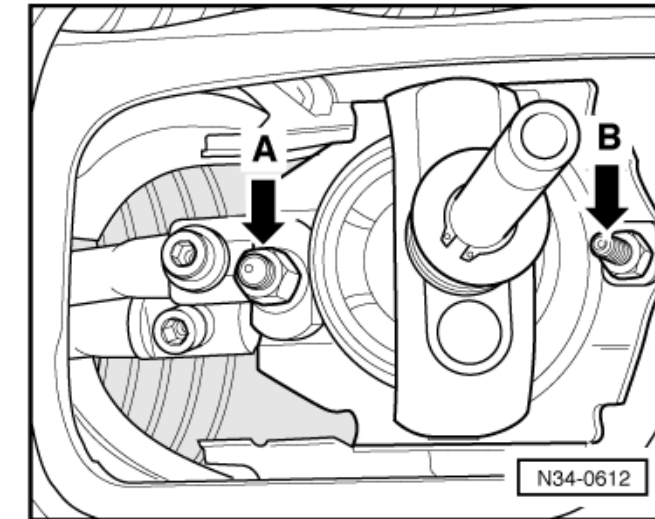
□ Tighten bolt for push rod -2- to 23 Nm.



□ → Unfasten nuts for ball housing -arrow A- and -arrow B-.

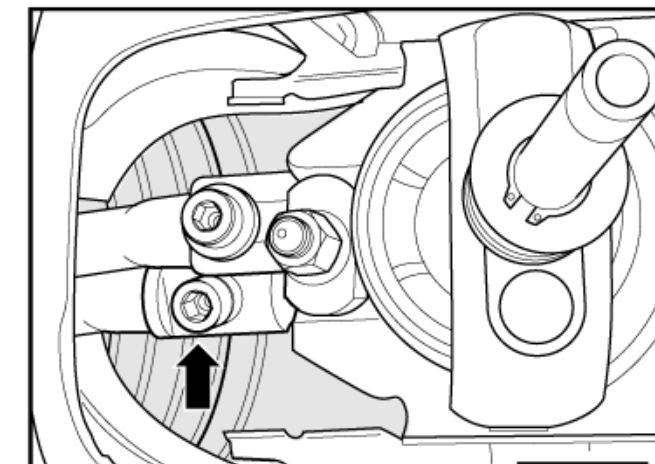
□ Horizontally align ball housing.

□ Tighten nuts for ball housing -arrow A- and -arrow B- to 23 Nm.



□ → Slacken off bolt -arrow- for selector rod.

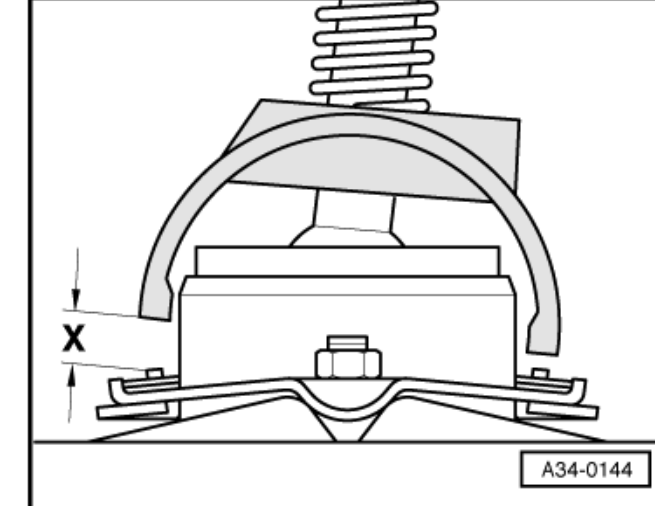
□ Selector rod/shift mechanism connection must move freely



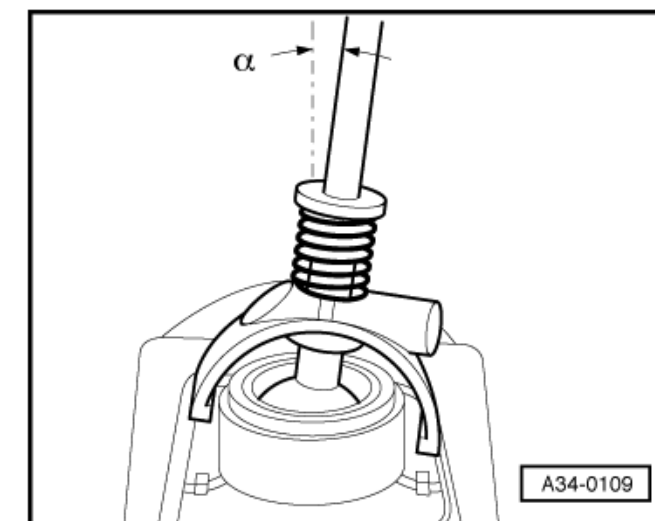
- Adjust gear stick as follows:
- → Swivel gear stick to right or left until dimension $x = 8.5$ mm.

Note:

Fig. shows gear stick from rear in direction of travel.



- → Gear stick is thus tilted 3° to right - angle α .



- → Gear stick tilted slightly (approx. 7°) to rear - angle β

Note:

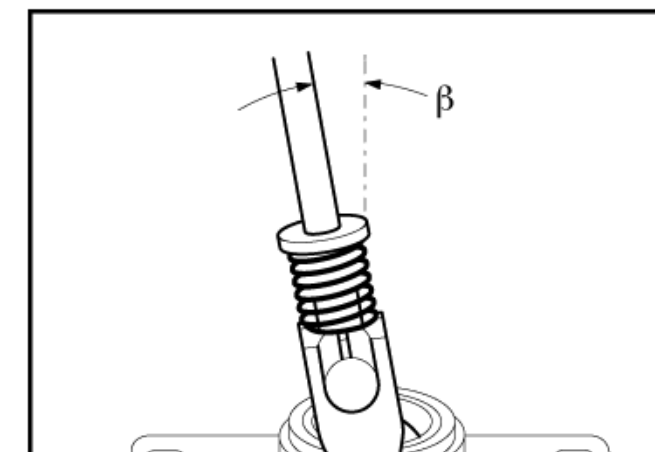
Fig. shows gear stick from right.

- Hold gear stick in this position.
- Tighten bolt for selector rod to 23 Nm.

Note:

Position of gear stick must not be altered by tightening bolt.

- Check gear stick setting => Page [34-21](#).



□ → Gear stick is thus tilted 3° to right - angle α .

□ → Gear stick tilted slightly (approx. 7°) to rear - angle β

Note:

Fig. shows gear stick from right.

- Hold gear stick in this position.
- Tighten bolt for selector rod to 23 Nm.

Note:

Position of gear stick must not be altered by tightening bolt.

- Check gear stick setting => Page [34-21](#).

Tightening torque

Component	Nm
Selector rod to selector fork (in shift mechanism)	23
Front push rod to rear push rod (in shift mechanism)	23
Noise insulation on gear stick housing	10

