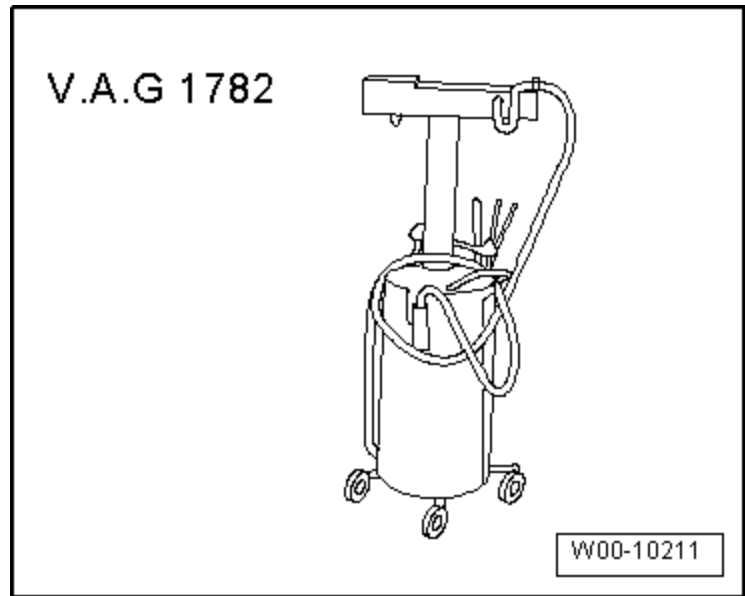


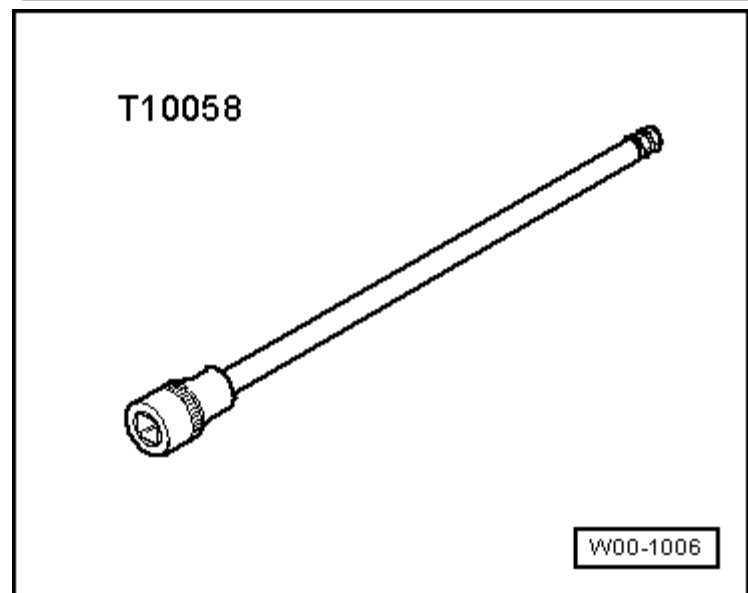
Removing and installing sump

Special tools and workshop equipment required

- t Used oil collection and extraction unit - V.A.G 1782-

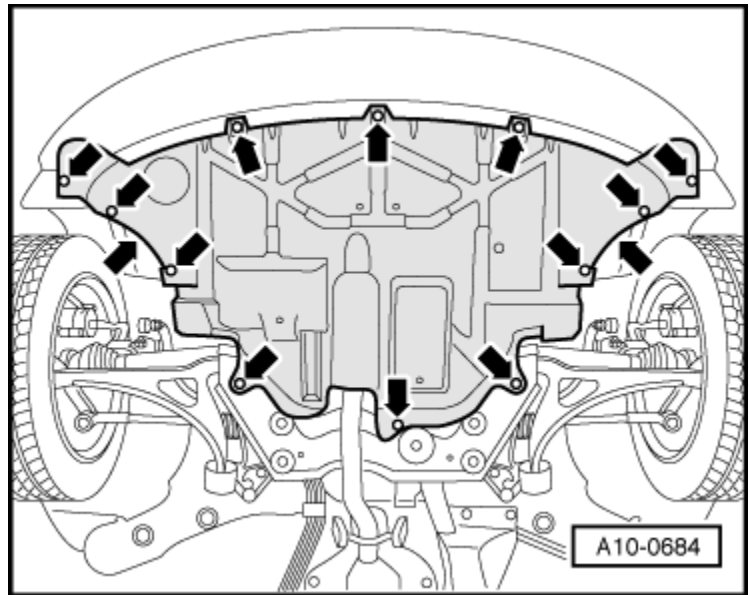


- t Allen key (long reach) -T10058-
- t Electric drill with plastic brush attachment
- t Sealant → [Parts catalogue](#)
- t Safety goggles



Removing

- Pull out oil dipstick.
- Remove noise insulation -arrows-.
- Place used oil collection and extraction unit -V.A.G 1782- under engine.
- Drain off engine oil.

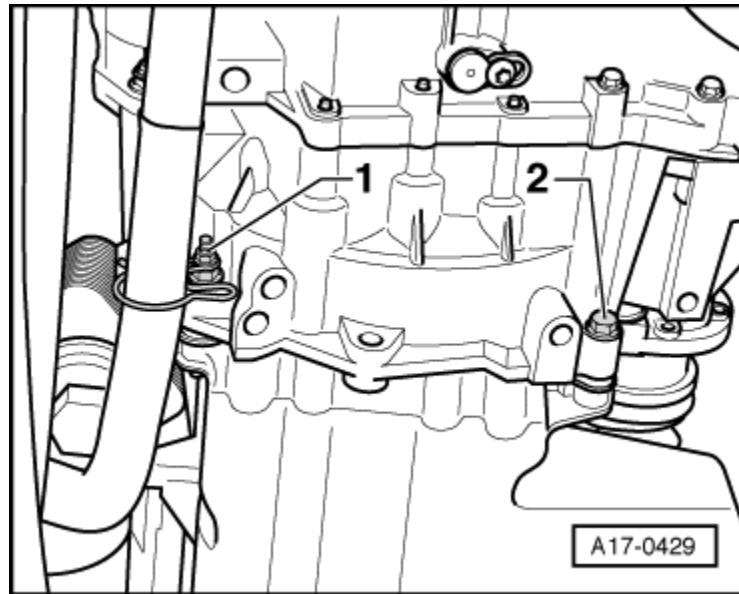


– Unscrew bracket -1-.



Note

Disregard -item 2-.

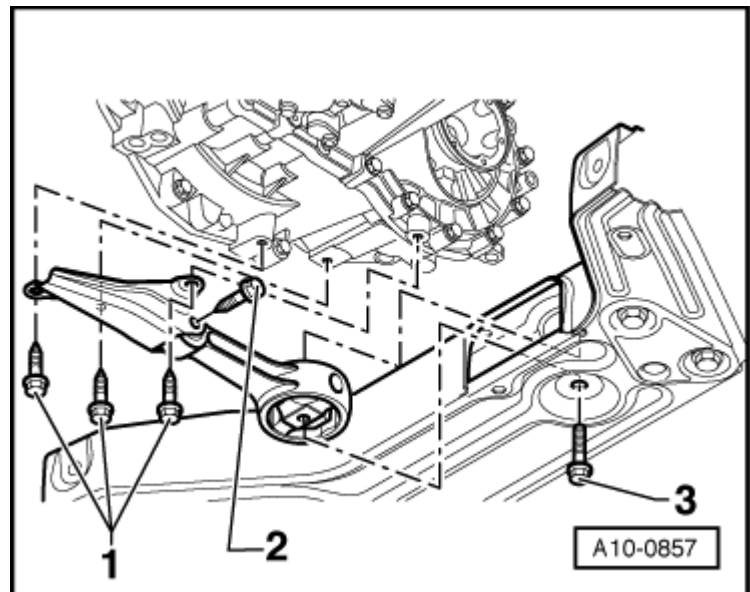


– Unscrew bolts -1- for pendulum support.

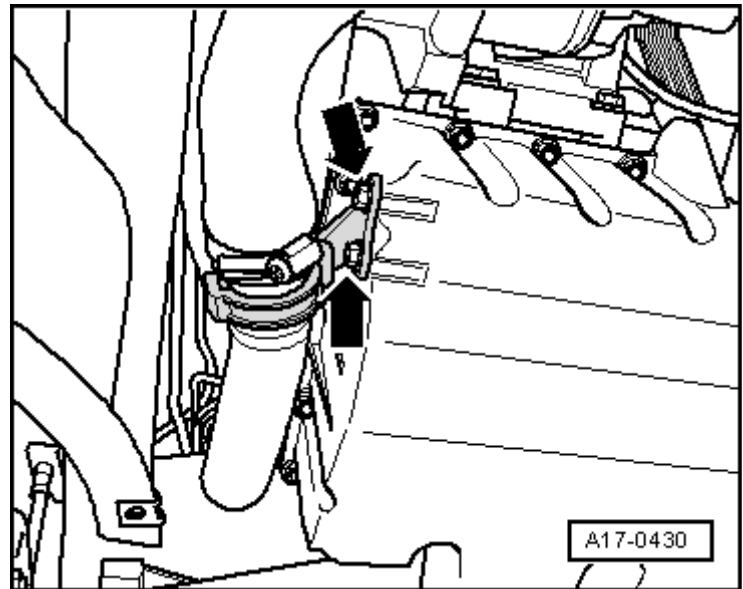


Note

Disregard -items 2 and 3-.



- Unbolt bracket for air pipe from sump - arrows-.

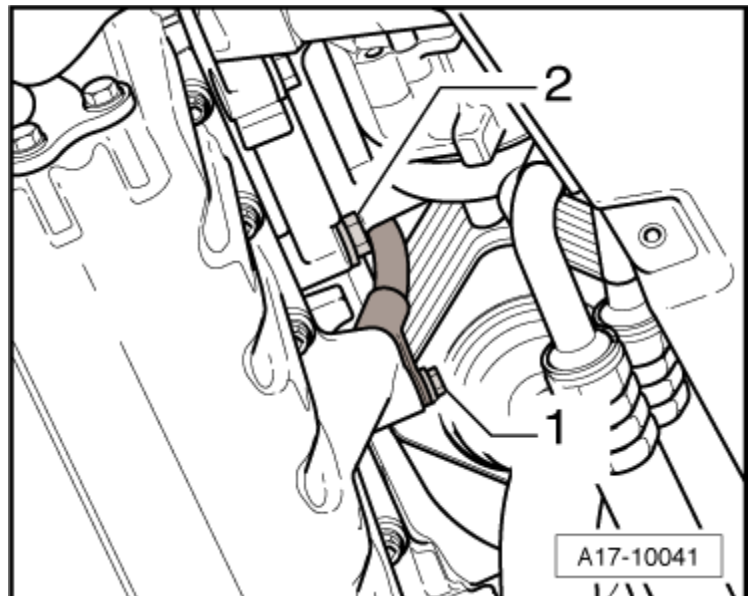


- Remove bolt -1- securing connection for dipstick guide tube on sump.



Note

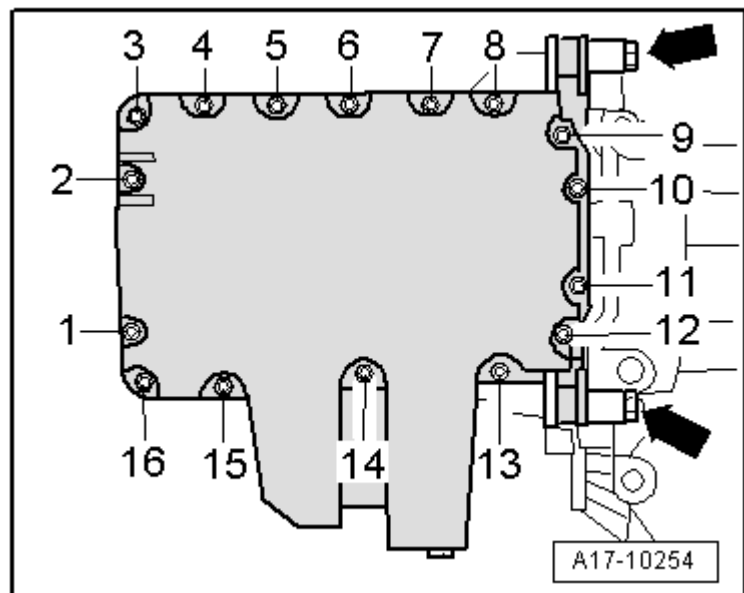
Disregard -item 2-.



- Remove bolts -arrows- securing gearbox to sump.
- Slacken bolts -1 ... 16- in diagonal sequence and remove.



Note



t The bolts on gearbox end -1 and 2- are accessible via the recess -arrow- on the dual-mass flywheel -3- (turn the flywheel as required).

t The bolts can be unscrewed using Allen key (long reach) -T10058-.

- Take off sump; if necessary loosen it by striking lightly with a rubber hammer.

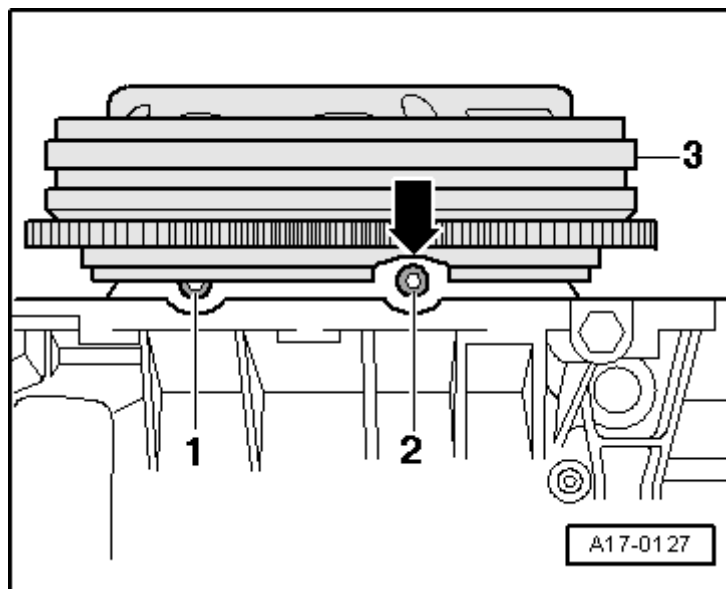
Installing

Installation is carried out in the reverse order; note the following:



Note

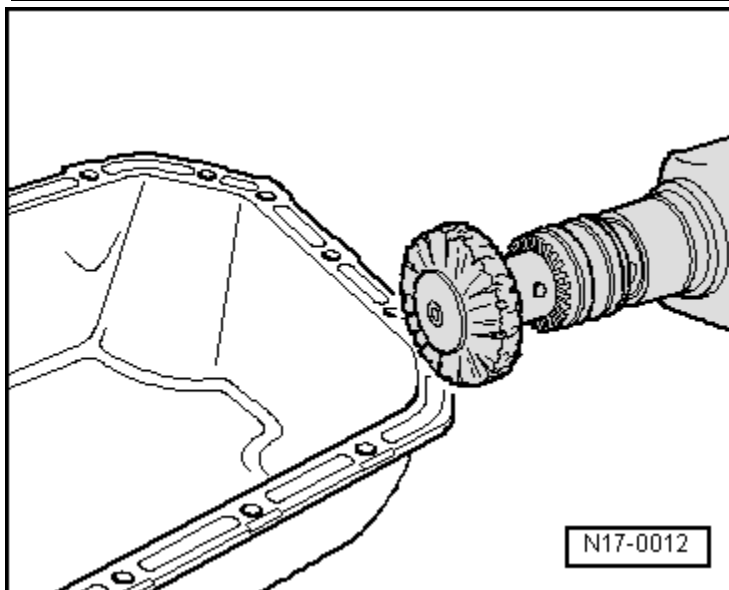
Fit new O-ring to dipstick guide tube.



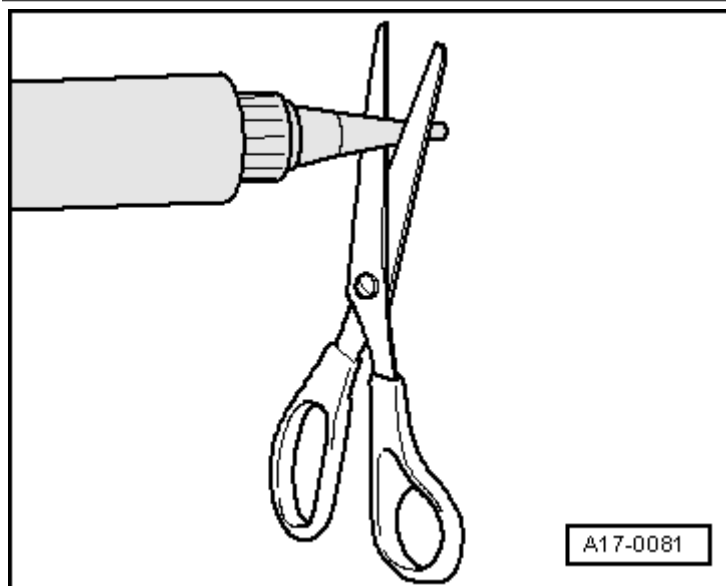
WARNING

Wear safety goggles.

- Remove sealant residue from sump and cylinder block using a rotating plastic brush or similar.
- Clean sealing surfaces; they must be free of oil and grease.



- Cut off tube nozzle at front marking (nozzle approx. 2 mm Ø).



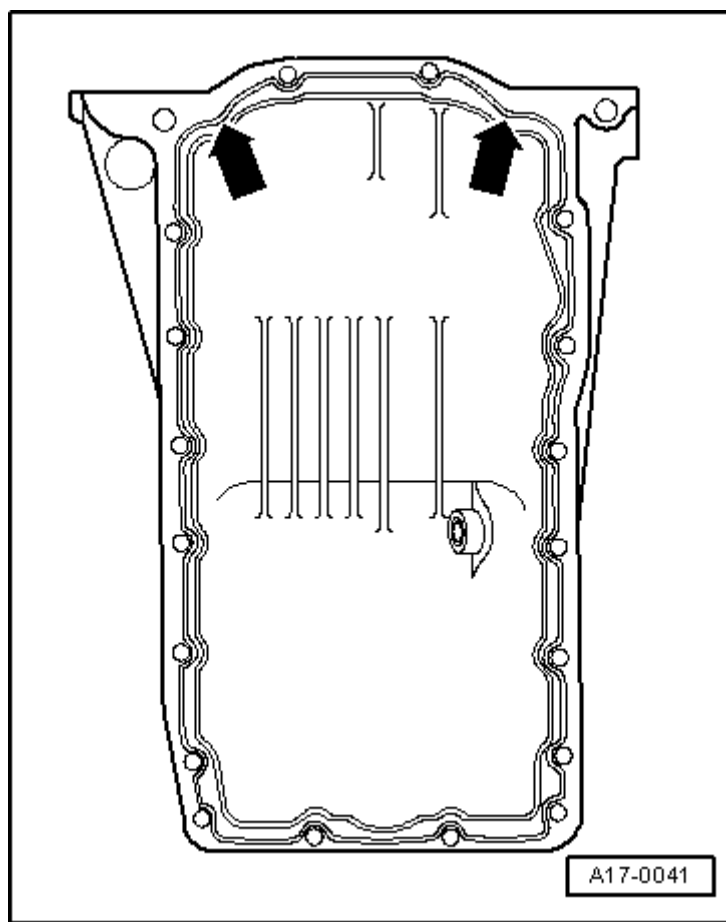
- Apply bead of sealant onto clean sealing surface of sump as shown in illustration.

1 Thickness of sealant bead: 2 ... 3 mm



Note

- Sealant bead must not be wider than 3 mm, otherwise excess sealant could ingress into sump and clog strainer in oil intake pipe.
- Take particular care when applying sealant bead in area of rear sealing flange -arrows-.
- The sump must be installed within 5 minutes after applying sealant.



- Immediately install sump and tighten bolts in the sequence indicated:

Tighten bolts -1 ... 16- securing sump to

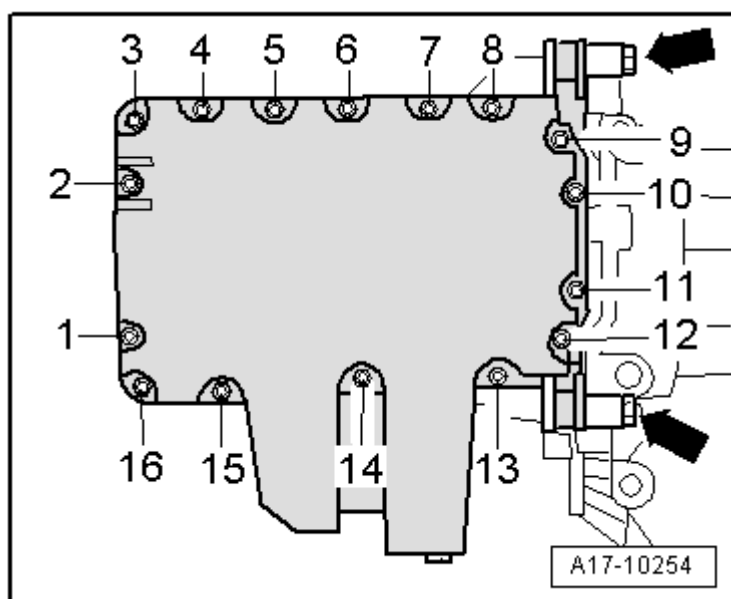
1. cylinder block in diagonal sequence initially to 5 Nm.
2. Tighten bolts securing sump to gearbox -arrows-.
3. Tighten bolts -1 ... 16- in diagonal sequence to final setting.



Note

- When installing sump with engine removed from vehicle, ensure that sump is positioned flush with cylinder block at flywheel end.

- After fitting sump assembly, the sealant must dry for approx. 30 minutes. Then (and only then) fill the engine with engine oil.



- Install pendulum support → [Chapter](#).
- Fill up with engine oil and check oil level → [Chapter](#).

Tightening torques

Component		Nm
Sump to:	Cylinder block	15
	Gearbox	45
Oil drain plug		30
Connection for dipstick guide tube to sump		9
Air pipe to sump		8



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