



Rear drive shaft, servicing

Drive shafts, removing and installing

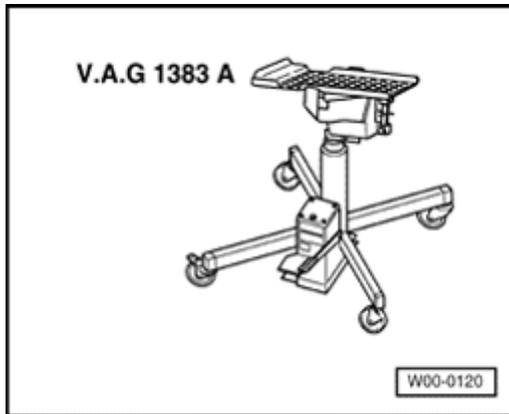
Special tools, workshop equipment, testers, measuring instruments and auxiliary items required

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- ◆ VAG 1383 A Engine/transmission jack

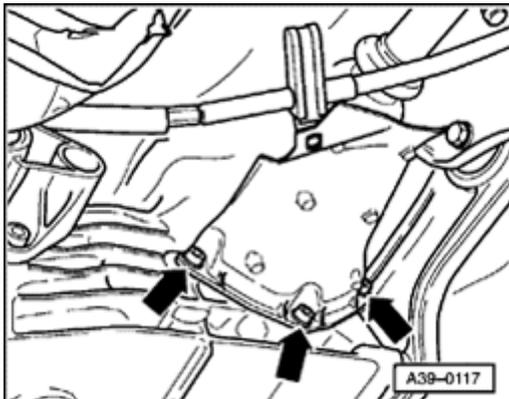
Removing

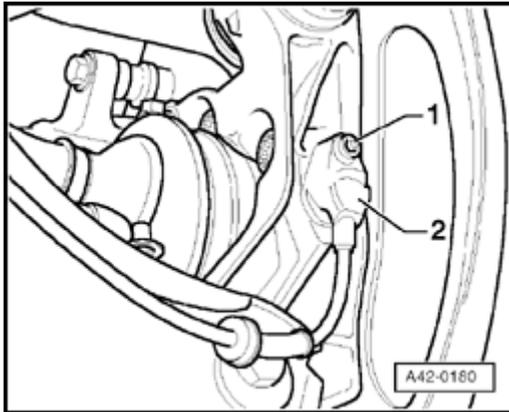
- Remove hex bolt for drive shaft.



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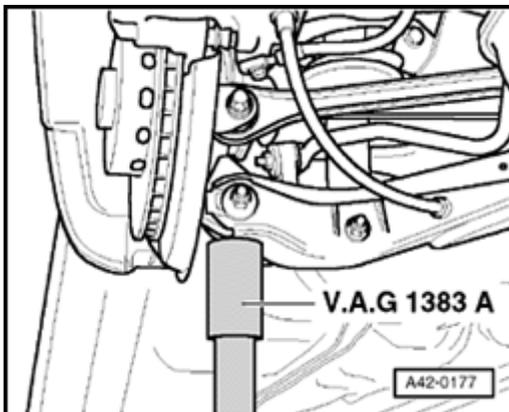
- Remove heat shield for drive shaft -arrows-.
- Unbolt drive shaft from drive flange.





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- Remove hex key head bolt -1-.
- Disconnect ABS vehicle speed sensor -2- out from wheel bearing housing.
- Disconnect connector behind Three Way Catalytic Converter (TWC) and remove rear part of exhaust system.



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- Place transmission jack e.g. VAG 1383 A under control arm.
- Raise control arm slightly.
- Drive drive shaft out of hub with a plastic head hammer if necessary.
- Remove drive shaft.

Installing

Install in reverse order.

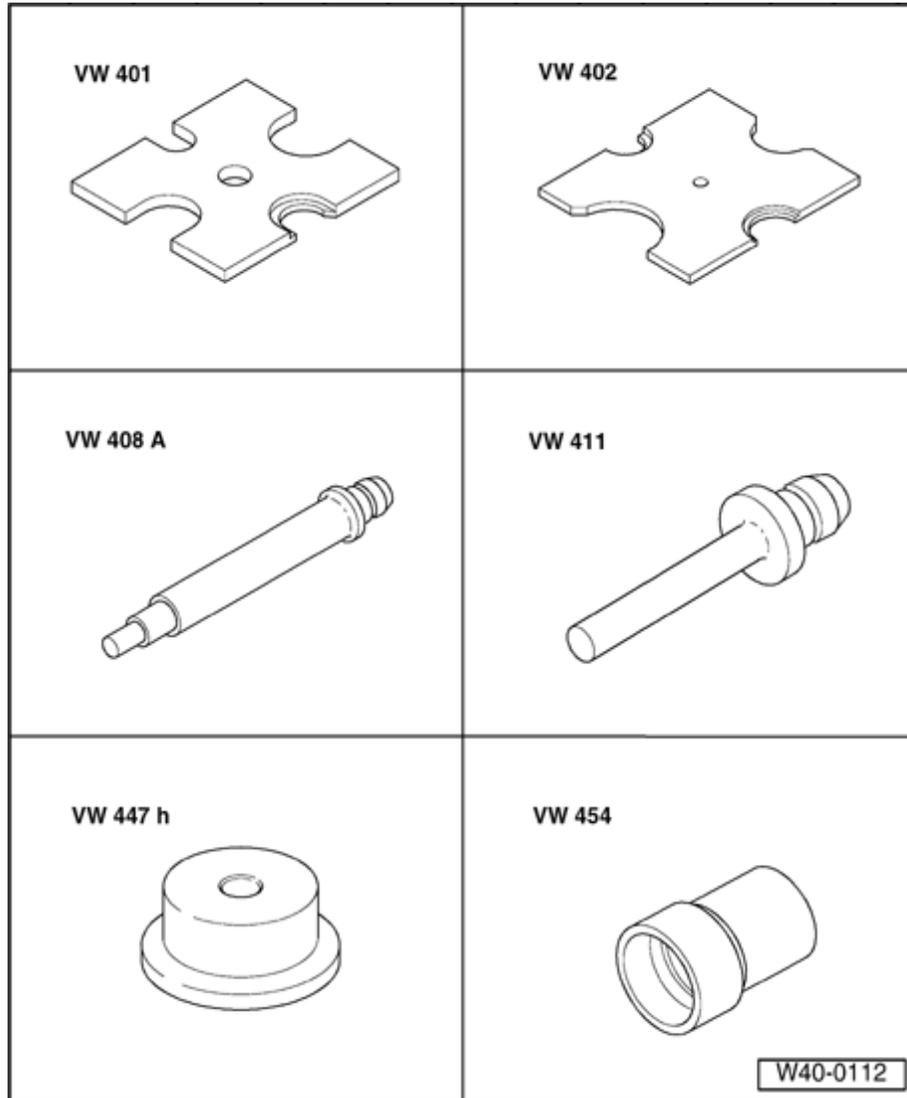


Tightening torques:

Drive shaft to wheel hub ⇒ [Page 42-138](#) , item 2

Drive shaft to flanged shaft ⇒ [Page 42-138](#) , item 5

Protective plate to rear final drive 23 Nm

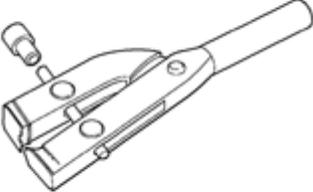
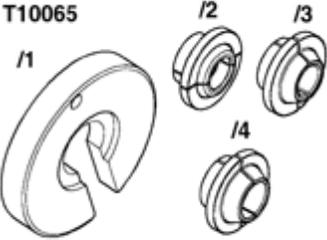


Drive shaft with constant velocity joint, servicing

Special tools, workshop equipment, test and measuring appliances and aux. items required

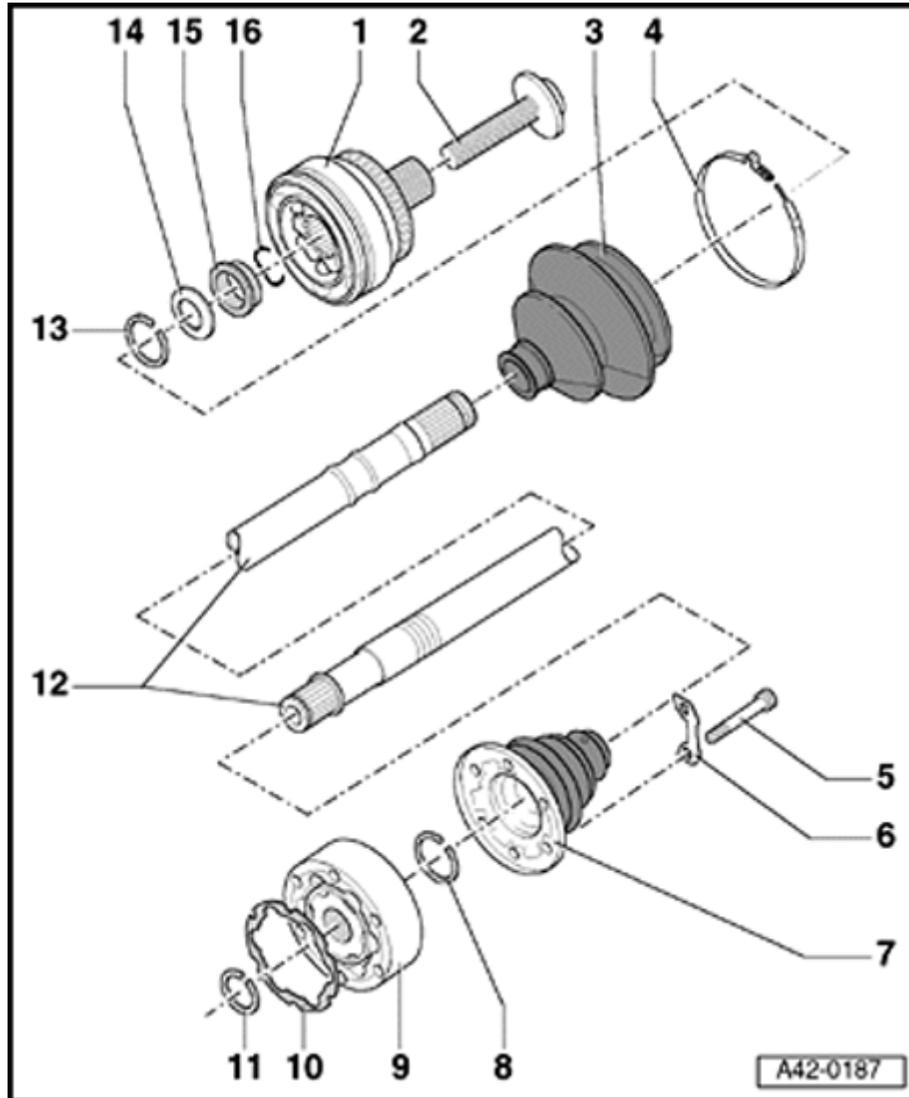
- ◆ VW 401 Thrust plate
- ◆ VW 402 Thrust plate
- ◆ VW 408 A Press tool
- ◆ VW 411 Press tool
- ◆ VW 447 H Press plate
- ◆ VW 454 Press piece



<p>VW 161 A</p> 	<p>V.A.G 1331</p> 
<p>V.A.G 1332</p> 	<p>V.A.G 1682</p> 
<p>T10065</p> 	<p>W40-0101</p>

Special tools, workshop equipment, test and measuring appliances and aux. items required

- ◆ VW 161 A Circlip pliers
- ◆ VAG 1331 Torque wrench
- ◆ VAG 1332 Torque wrench
- ◆ VAG 1682 Tension clamp
- ◆ T10065 Assembly device



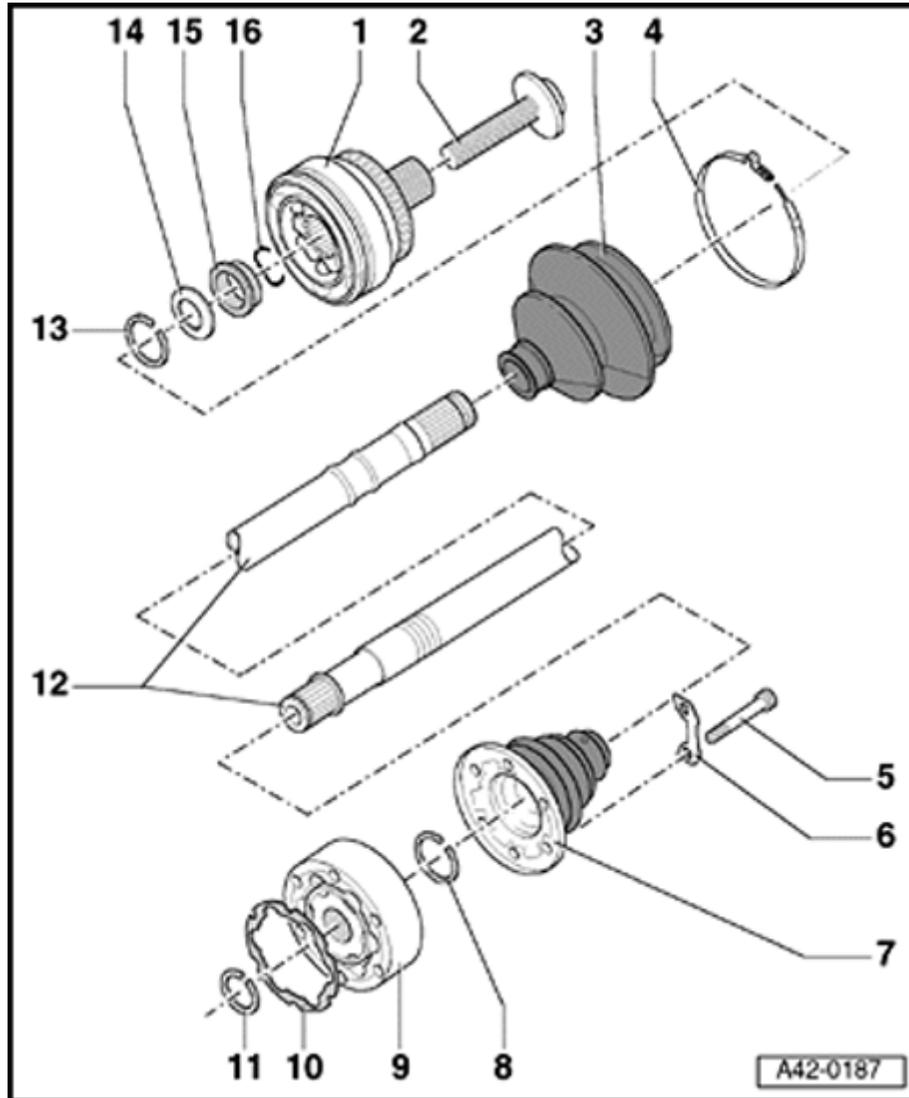
Grease quantity and type

Constant velocity joints are packed with grease G 000 603:

Outer joint diametermm	Grease Total amount [g]	of total in:	
		Joint [g]	Boot [g]
89	90	40	50
Inner joint			
88	90	40	50

1 - Outer constant velocity joint

- ◆ Only replace complete
- ◆ Removing ⇒ Fig. ⇒ [1](#)
- ◆ Installing: drive onto shaft on to stop with plastic hammer



2 - Hex bolt

Tightening torque:

- ◆ Changed to hex key head bolt

Bolt M14:

- ◆ 115 Nm and turn 180° further

Bolt M16:

- ◆ 190 Nm and turn 180° further

Vehicle must be standing on ground when tightening

- ◆ Replace each time after removing

3 - Protective boot

- ◆ Check for tears and chafing

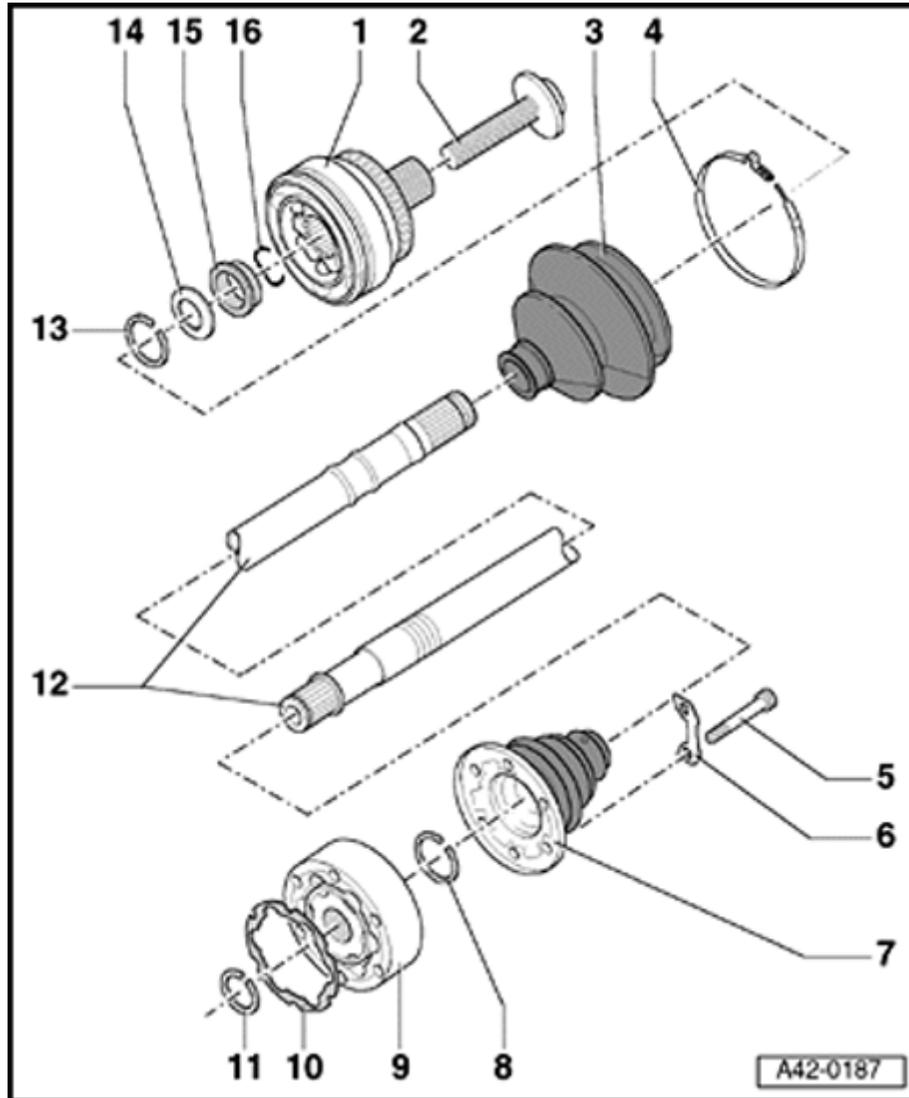
4 - Hose clip

- ◆ Replace

5 - Multi-point socket head bolt

- ◆ M 8 x 48; 40 Nm

6 - Plate



12 - Drive shaft

13 - Circlip

- ◆ Not installed to all drive shafts
- ◆ Always replace
- ◆ Remove and install with VW 161 a

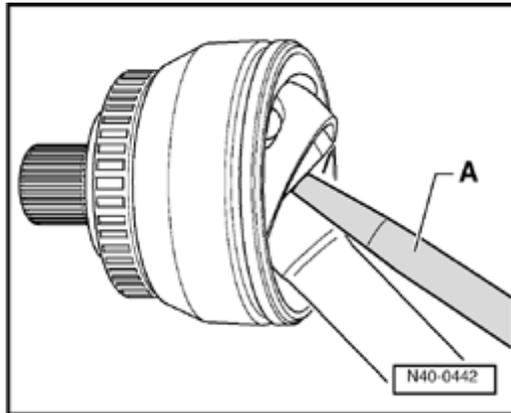
14 - Dished washer

- ◆ Outer diameter (concave side) contacts thrust washer

15 - Thrust washer

16 - Circlip

- ◆ Always replace
- ◆ Insert in shaft groove



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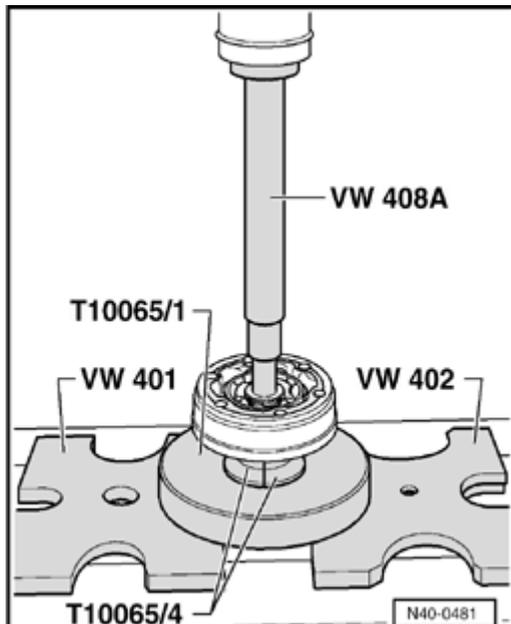
Fig. 1 Pressing off outer constant velocity joint

- Clamp drive shaft in vice using vice clamps.
- Remove clamp and slide back boot.
- Drive constant velocity joint off drive shaft using drift -A-.

Drive must be applied exactly on star of constant velocity joint.

Driving joint on

- Drive onto shaft with plastic hammer until securing ring engages.

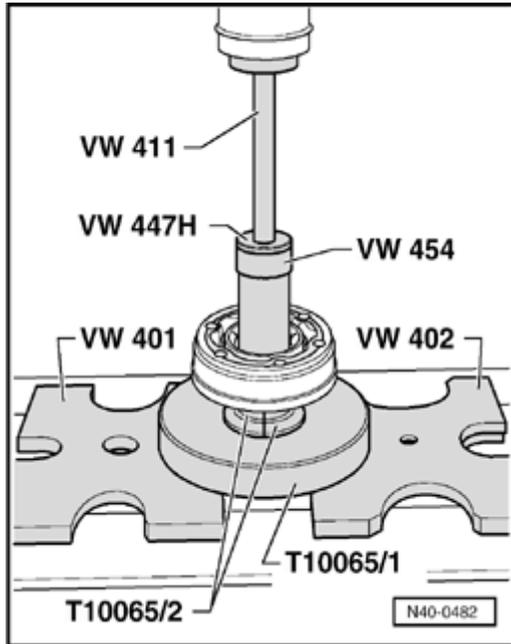


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Fig. 2 Pressing off inner constant velocity joint

Notes:

- ◆ *First drive boot off with drift*



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Fig. 3 Pressing on inner constant velocity joint

- Press on joint up to stop.
- Insert circlip.

Note:

Chamfer on inner diameter of ball hub (splines) must face the contact shoulder on the drive shaft.