

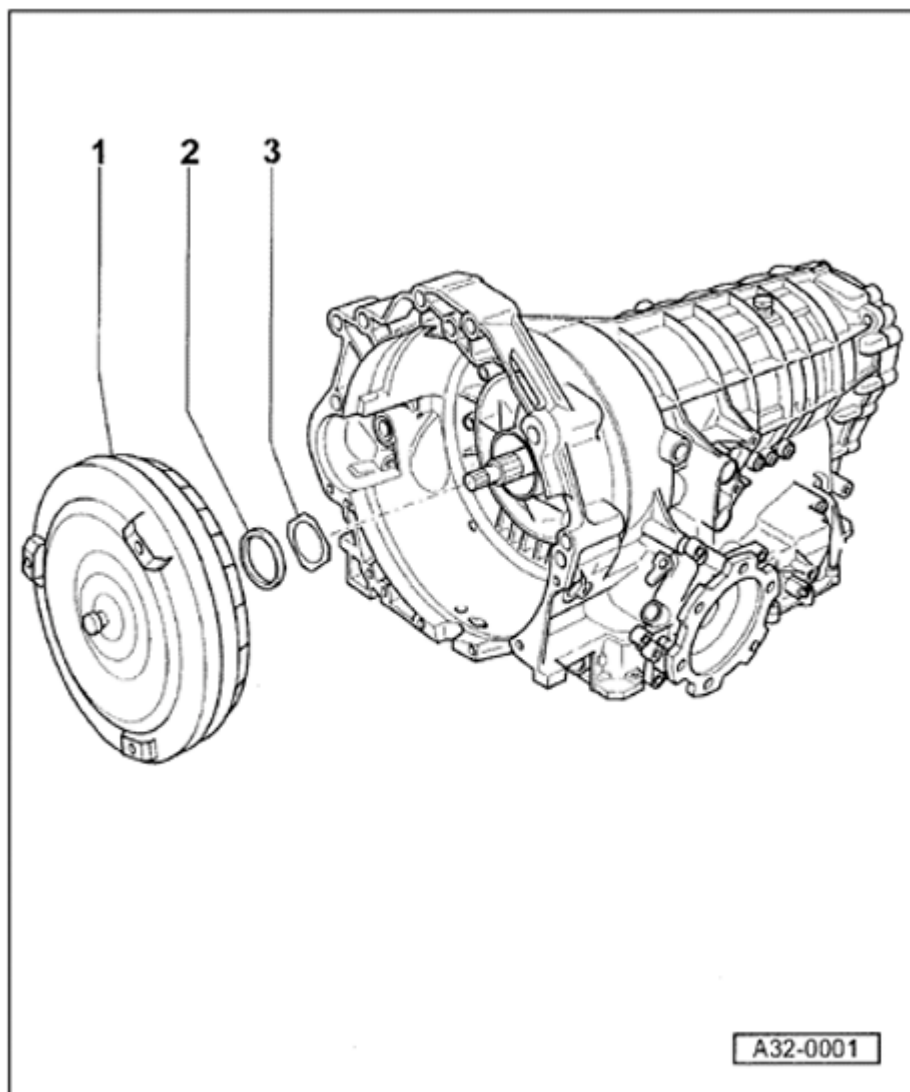
## Torque converter

### **WARNING!**

**Check installation dimension of torque converter before installing transmission ⇒ [page 32-8](#)**

### **Notes:**

- ◆ *Rules of cleanliness for working on automatic transmissions ⇒ [page 37-148](#) .*
- ◆ *General repair notes ⇒ [page 00-27](#) .*
- ◆ *Lightly coat sealing ring with ATF. Other lubricating substances lead to functional problems in the hydraulic transmission control.*



### 1 - Torque converter

- ◆ Secure on removed transmission to keep it from falling out.
- ◆ Identification ⇒ [page 32-3](#)
- ◆ Installing ⇒ [page 32-8](#)

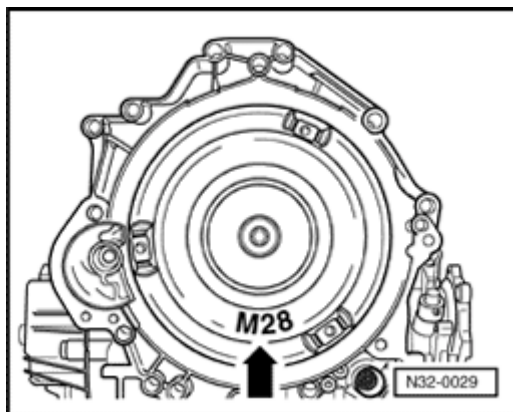
### 2 - Seal

- ◆ Always replace ⇒ [page 32-6](#)

### 3 - Contact ring

- ◆ Behind sealing ring
- ◆ Replace if damaged

## Torque converter, identification



- ⚠ Different types of torque converters exist. Identification is performed via code letters (arrow).

Allocation of torque converter/transmission ⇒ [page 00-4](#) .

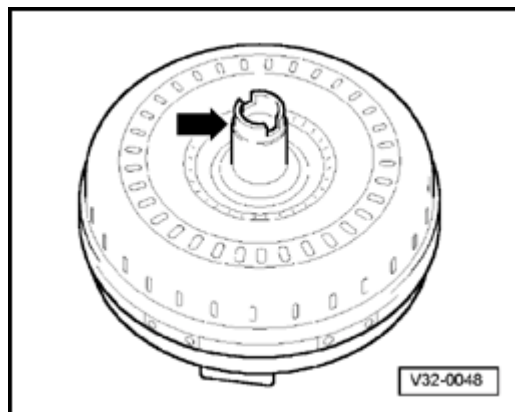
## Torque converter, checking

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- Checking converter hub for wear grooves (arrow).

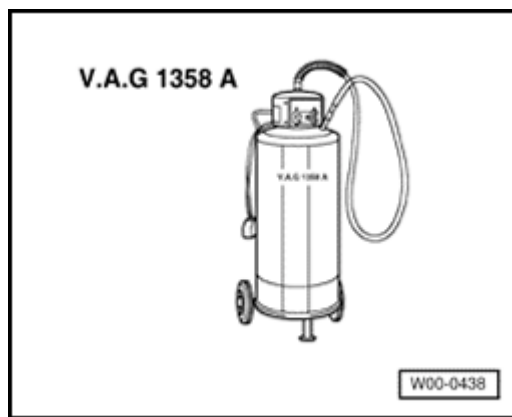
### **Note:**

*The torque converter is welded in and must be completely replaced if damaged or in case of malfunctions.*



## Torque converter, draining

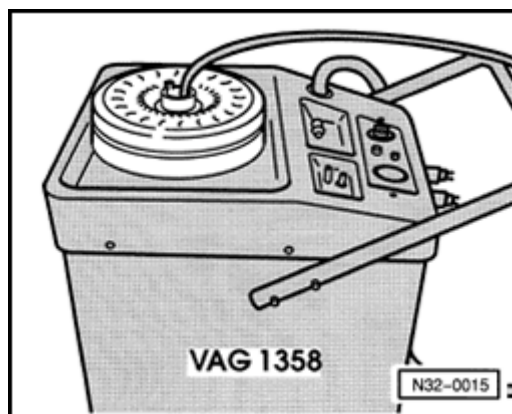
### Special tools and equipment



A

- ◆ VAG1358A - oil siphoning unit
- ◆ V.A.G 1358 A/1 oil syphoning probe

In case of soiling of the ATF via shavings or during a major transmission overhaul, torque converter must be drained.



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- Drain ATF from torque converter using VAG1358A and oil syphoning probe VAG1358A/1.

## Torque converter oil seal, replacing

### Special tools and equipment

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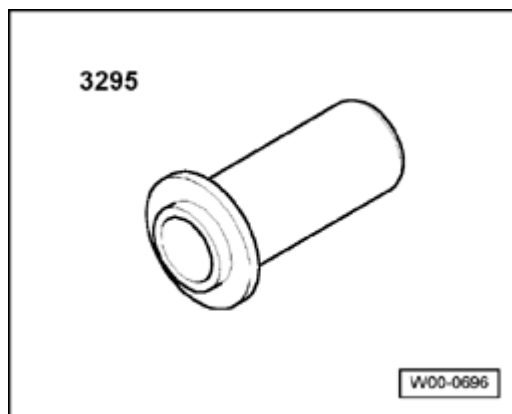
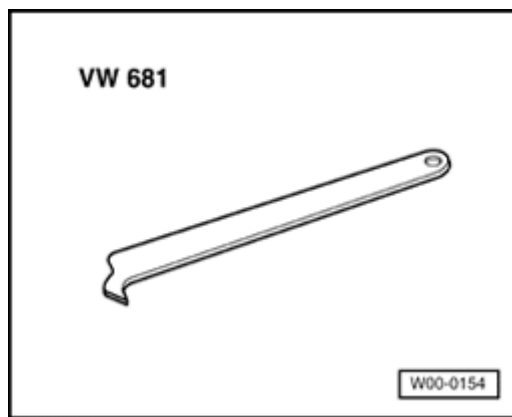
- ◆ VW681 extractor lever
- ◆ 3295 thrust piece

### Removing

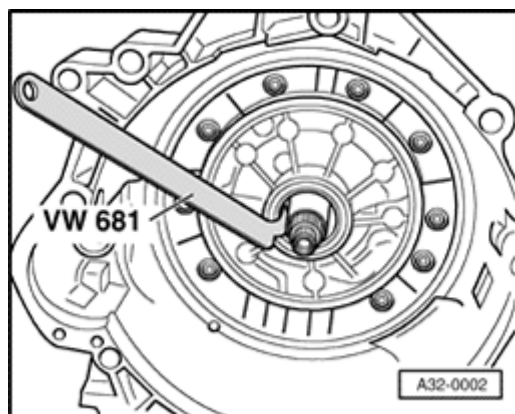
- Removing transmission ⇒ [page 37-71](#) .

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- Secure transmission to transmission mount ⇒ [page 37-131](#) or place on flat surface.



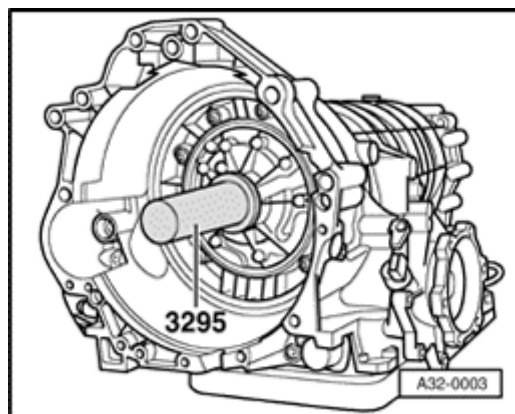
32-7



- A**
- Insert VW681 extractor lever directly behind the sealing lip of the sealing ring, so that the contact ring which is behind it is not damaged.

### Installing

- Insert contact ring.
- Coat outer circumference and sealing lips of sealing ring with ATF.
  - ◆ Installation position: The open side of the sealing ring faces the transmission.



- A**
- Using 3295 thrust piece, drive in sealing ring for torque converter up to thrust piece stop.

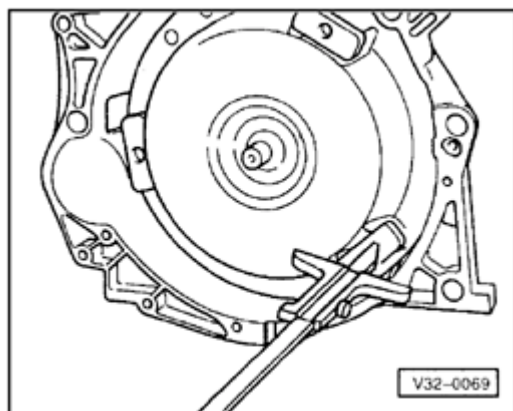
## Torque converter, installing

### Special tools and equipment

◆ Depth gauge

- Slide in converter hub through the sealing ring up to the first stop.
- Rotate torque converter inward with light pressure, until the groove of the torque converter hub engages in the coupling plate of the pump wheel and the torque converter slides inward noticeably.

### Installation dimension



- A** If the Torque converter is inserted properly, the dimension between the surface of the mounting eyes and the surface of the torque converter housing is at least 23 mm.

If the torque converter is not inserted completely, this distance will be approx. 11 mm.

### **WARNING!**

***In case of an incorrectly inserted torque converter, the coupling plate of the torque converter or the ATF-pump will be destroyed, if the transmission is flanged to the engine.***