35-17

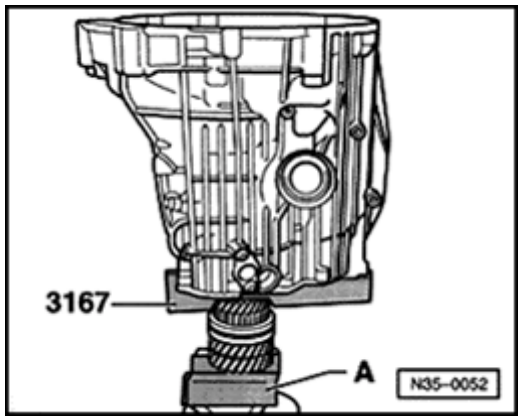
Input shaft, adjusting

Note:

The input shaft must be re-adjusted if the transmission housing, input shaft or ball bearing is replaced.

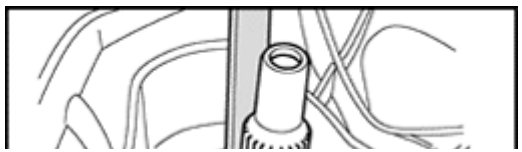
Special tools and equipment

- 30-100 press tube
- 3167 spacer gauge
- Depth gauge



- Clamp input shaft in vice using protective jaws -A-.
- Place 3167 spacer gauge onto 3rd gear.
- Place transmission housing over input shaft onto spacer gauge.

Calculating dimension -x-



- Place depth gauge onto transmission housing and measure to lower circlip groove of input shaft.

Dimension in the example: -a- = 28.50 mm (1.122 in.)

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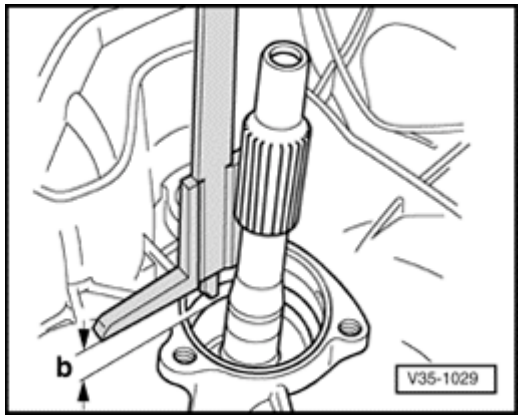

- Place depth gauge onto transmission housing and measure to seating surface for ball bearing.

  Measurement in the following example: -b- = 26.80 mm (1.055 in.)

Determining circlip thickness behind the input shaft ball bearing

Formula:

x = a - b

Example:

	Dimension -a-	28.50 mm
-	Dimension -b-	26.80 mm
=	Dimension -x- (thickness of circlip)	1.70 mm

- Determine circlip according to table ⇒ Page 35-19 . For part number ⇒ parts catalog

Available circlips

Dimension -x- (mm)	Thickness (mm)
1.48 - 1.56	1.54
1.57 - 1.65	1.63
1.66 - 1.74	1.72
1.75 - 1.83	1.81
1.84 - 1.92	1.90
1.93 - 2.01	1.99
2.02 - 2.10	2.08
2.11 - 2.20	2.17

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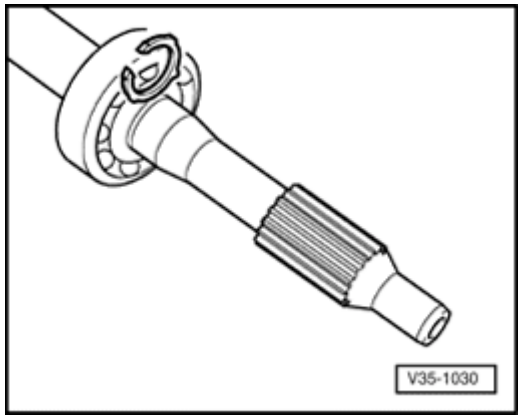

Determining the circlip in front of input shaft ball bearing

- Drive rear circlip (as calculated) and ball bearing onto input shaft using 30-100 press tube.

- Determine thickest circlip which can still just be installed.
- Determine circlip according to table. Part number ⇒ parts catalog

Available circlips

Circlip thickness (mm)		
1.45	1.72	1.99
1.54	1.81	2.08
1.63	1.90	2.17