Adjusting input shaft

(Determining thickness of shim for input shaft)

It is only necessary to readjust the input shaft when

◆ Gearbox housing

◆ Clutch housing

◆ Input shaft

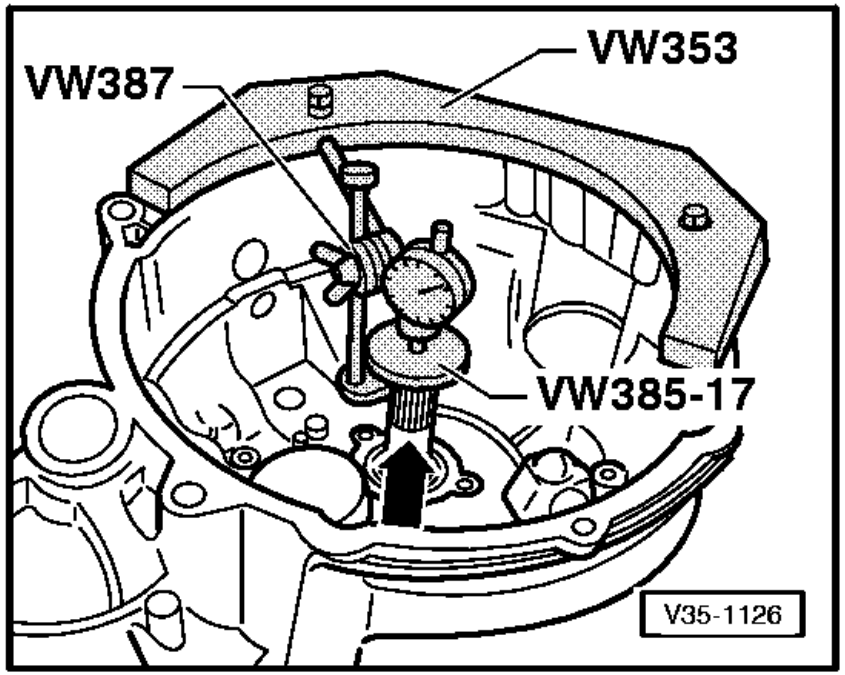
◆ 4th gear wheel

or the

◆ Taper roller bearing

is renewed.

Adjustment overview => Page 39-22



- Press taper roller bearing outer race without shim into gearbox housing onto stop, using VW 510.

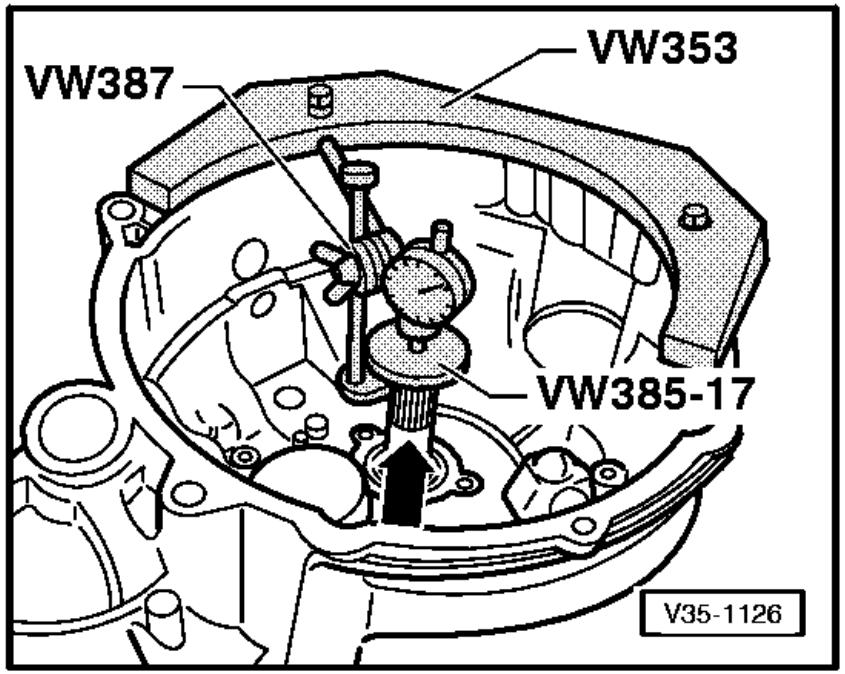
- Install input shaft in clutch housing and assemble gearbox housing. Tighten hexagon head bolts to 25 Nm and then turn 90° further.

⇦ - Fit measuring appliance and D.T.I. in clutch housing (large taper roller bearing in gearbox housing).

- Before taking any measurements rotate input shaft to allow bearing to settle. Set D.T.I. to "O" with 1 mm preload.

Note:

This preparation is to be repeated for each subsequent measurement, otherwise the gauge will not return to the starting position.



⇦ - Press input shaft in direction of D.T.I. (arrow).

- Read off and note clearance indicated on D.T.I. (example 1.21 mm).

Note:

D.T.I. does not return to original position.

- Determine thickness of shim from table => from Page 35-15(example 1.175 mm).

- Remove input shaft and press taper roller bearing outer race out of gearbox housing using VW 447i .

- Press taper roller bearing outer race together with the shim (in example1.175 mm) into gearbox housing.

- Install gearbox housing and tighten hexagon head bolts to 25 Nm and then turn 90° further.