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Audi 01J Output Shaft and Differential Ring Gear Suitable for Audi CVT 6/7 Speed



New Pinion Shaft and Ring Gear

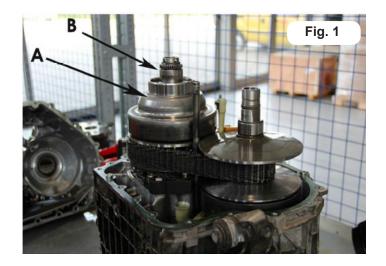




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To remove the shaft on the secondary pulley follow the steps illustrated below:

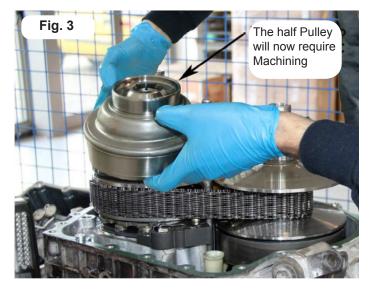


To remove the chain and half pulley (A)

Remove retaining nut (B) (Fig 1)



Remove the Half pulley using a suitable puller (Fig 2)



Remove the Half pulley and then the chain (Fig 3)

Important:

The half pulley will now require machining before it can be fitted onto the new pinion shaft

See pages 5 & 6 for these instructions



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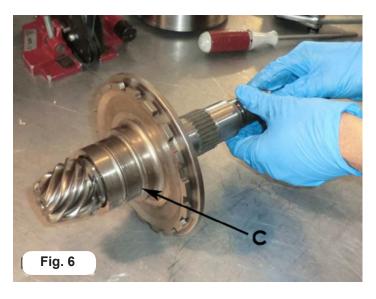
Make sure you remove the snap ring which is below the oil seal

The crown wheel must to replaced with the new crown wheel supplied

Use the correct tool to remove the pinion shaft

After removal of the pinion shaft remove the bearing (Fig 5)





The assembly is now ready for the pinion shaft to be removed from the half pulley (Fig 6)



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Using a suitable size tube place the assembly on a hydraulic press (Fig 7)



Press out the pinion shaft (Fig 8)



Lift off the half pulley (Fig 9)



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The half pulley and pinion shaft should now be disassembled (Fig 10)



Old Pinion shaft and new crown wheel and pinion shaft set (Fig 11)

The new pinion shaft and crown wheel must be fitted only as a matched pair



Using the tube again place the assembly back on a hydraulic press and insert the new pinion shaft (Fig 12)



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Machining Instructions



Shaft breakage causes wear on diameter 1 & 2 of the pulley



In order to fit the old pulley onto the new shaft it is necessary to machine the pulley to these new values (Photo A)

Diameter 1 0 9 34.10 h6+0.016

Diameter 2 0 9 34.05 h6+0.016





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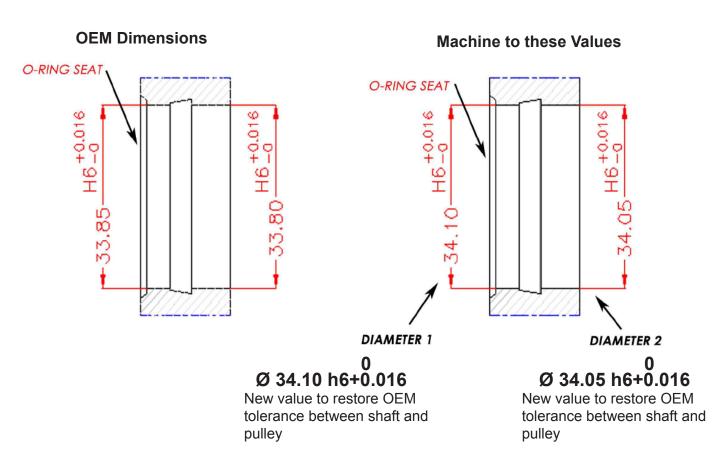
Machining Instructions

WARNING!!

It is very important to carry out this machining with the correct equipment.

Please take care with the centering on the internal diameters of the half pulley. The machining of the half pulley out of center will cause problems with the gears not meshing correctly.

Technical specifications for correct machining



All measurements in millimeters