



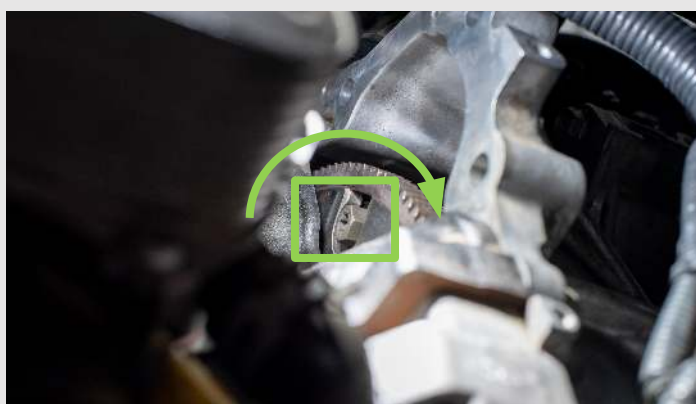
FITTING INSTRUCTIONS

Torque Converter

Applications

For all model equipped with Valeo's Torque Converter

Torque converter replacement process



STEP 1

Remove the bolts connecting the converter to the engine flywheel (4 bolts). They are accessed through the joint between the starter and gearbox or by a specific cover and by rotating the engine



STEP 2

Drain the gearbox oil. Do not reuse a used oil.



STEP 3

Secure the gearbox, remove it carefully so as not to damage the components (especially the housing mounting bolts), and lower it slowly with a hydraulic jack while maintaining safety rules



Torque converter replacement process



STEP 4

Remove the converter to be replaced



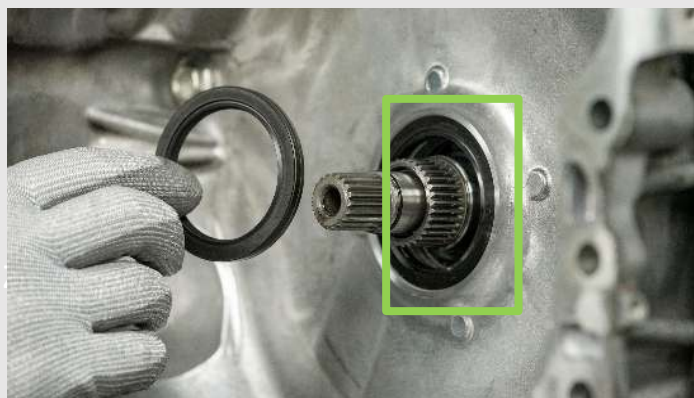
STEP 5

Check the input shaft and splines for marks and damages.



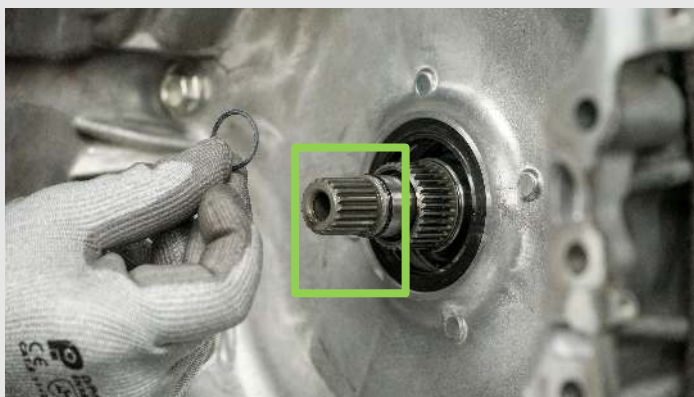
STEP 6

Check the input shaft rotation. Also inspect the engine seal to prevent future leaks



STEP 7

Replace the gearbox inner seal. Lubricate it for assembly



STEP 8

Replace the O-ring on the shaft. Lubricate it for assembly



STEP 9

Match the torque converter pins to the torque converter housing on the drag wheel of the mechanical oil pump



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Torque converter replacement process



STEP 10

Install the new torque converter and rotate it until the primary spline and pump drag pins are matched



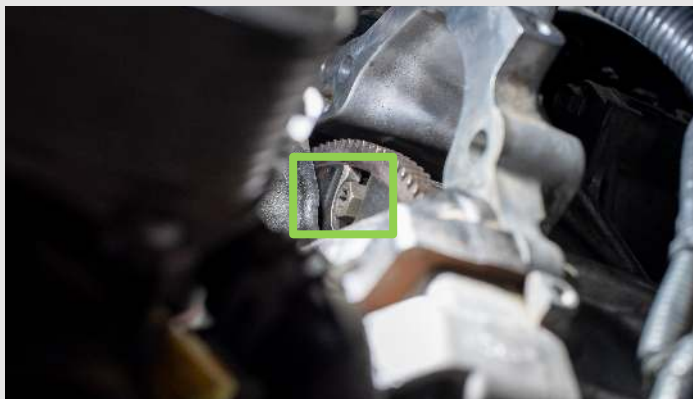
STEP 11

We need to measure the height between the top of each of the converter screw housings up to the lip of the housing, this measurement is done with the help of a ruler to ensure the correct measurement (do not make this measurement by freehand). The height is determined for each engine, check the measurement in the technical repair manual for each type of gearbox. This measurement will ensure the correct fixation at all points of the converter on the drag



STEP 12

Install the gearbox in place safely, without forcing the gearbox in order to prevent any damage



STEP 13

Apply the specified torque on the torque converter bolts. Remember that there are 4 screws included by Valeo. We will access them through the starter shaft or, if necessary, through a specific register, by rotating the engine from the crankshaft



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Torque converter replacement process

REMEMBER

- All our torque converters include the converter, screws, and technical notes with instructions for proper assembly. If any of these items are missing, contact your Valeo dealer (Fig 1)
- Important! Remove the bolts connecting the converter to the flywheel. If we do not remove these bolts before removing the transmission, there is a risk of damage to the transmission components.
- Drain the oil from the transmission housing.
- Lower the transmission securely using a column jack following the safety rules
- Check the splines of the transmission, O-ring of the shaft and seal. Ensure that the shaft rotates completely freely, replace the main seal and gasket to prevent possible ATF leaks.
- Lubricate both seals, to avoid damage during assembly.
- When introducing the new converter, we must make sure to correctly insert the tabs that drive the mechanical oil pump.
- To check that the converter seating on the transmission is correct, we must measure the depth, taking as reference the difference in the height of the converter threads and the plane of the transmission housing (check data and process in the vehicle manufacturer's manual)
- Once secured, raise the assembly again and after assembling the gearbox to the engine, fit the converter bolts.
- Add the new oil into the gearbox specified by manufacturer

FIG 11

