REPLACEMENT OF METAL-RUBBER INSERT WITH BEARING IN CRANKSHAFT PULLEY

In this manual we show how to replace a metal-rubber insert with a bearing in the crankshaft pulley. It is well known that pulley, especially in unpopular car models, beside the fact they are hard to find, can reach very high prices. One of such cars is Land Rover Discovery II. TEDGUM meets customer expectations, and offers pulley inserts, use of which, solve all problems with pulleys availability, and/or high prices.

REPLACEMENT PROCESS:

1. Repair set, with reference number 01166661, to Land Rover Discovery II crankshaft pulley.
2. Worn-out pulley with many cracks and damages.
3. The first step is to unscrew the fixing screws, to allow the dismantling of two parts of the pulley.
4. To save the relative position of both parts of the pulley after replacing the rubber part, mark a visible line on it.
5. To facilitate the dismantling of the outer part of the pulley, you can rub off the damaged rubber using a lathe.
6. Tear off the remains of the rubber using press.
7. Separated elements of the pulley.
8. Install the external part of the pulley on the lathe, and remove the rubber remaining on the inside surface.
9. Sooth inner surface will be the result of removing the remaining rubber.
10. Install the internal part of the pulley on the lathe and remove the remaining rubber on the outer surface.
11. The result of removing the remaining rubber, will be smooth metallic surface of the inner element.
12. Before pressing in bearing, apply a layer of graphite grease.
13. During pressing in, bearing should be pressed on the outer edge. This will prevent any damages.
14. Another element is the inner part of the pulley. Grease its external surface before installing new metal-rubber insert.
15. Pressing operation of the metal-rubber insert to the inner part of the pulley. It is important to press on the inner edge of the insert.
16. Apply a layer of graphite grease on internal walls of a pulley. Prepare the surface for pressing in the metal-rubber insert with internal part of a pulley.
17. Connecting the two parts of the pulley.
18. The final step, requiring use of the press, is pressing in the metal pin on the bearing.
19. Paying attention to the line, marked in step #4, tighten the mounting screws to put the pulley together.
20. Very important, before fitting the pulley to the vehicle, is to check whether the run-out is within the acceptable limits.