

Fixing oil leaks from the gearbox rear seal area

Gearbox oil leaks that appear to come from the rear seal are sometimes due to a design flaw that can allow oil to seep along the output splined shaft. Here is a way of sealing the leak without removing the gearbox or the rear drive.

Start by removing the rear axle nut.





Next, loosen the pinch bolt on the left side, but don't remove the nut.



Pull out the rear axle.



Remove the rear wheel.



Next, remove the universal joint cover using a hook spanner. Note that it has a left-hand thread; screw it clockwise to remove it.



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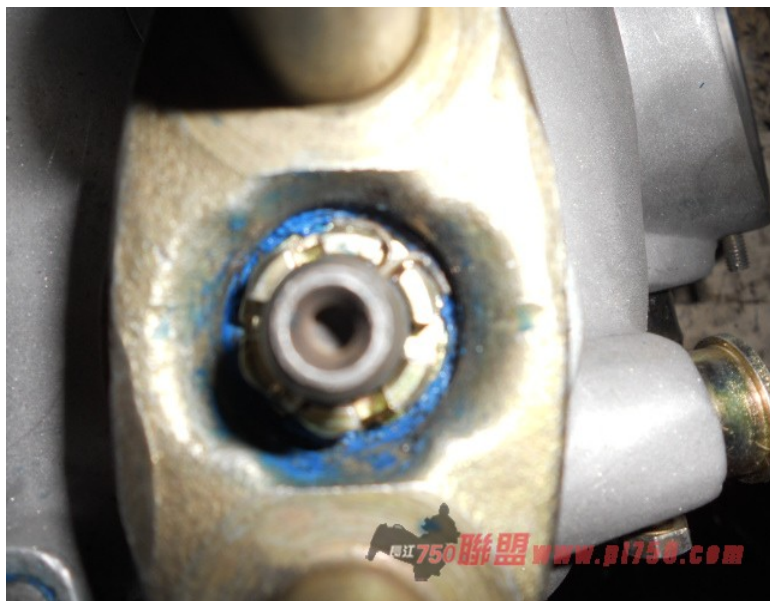
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Now turn the driveshaft so that the universal joint is as shown. This allows the rear drive to be rotated, disconnecting the driveshaft from the gearbox.



Swing the driveshaft out of the way and remove the rubber damper disk from the gearbox.



Undo the retaining nut, and remove the rubber disk connector part. Inspect the area in contact with the oil seal (red arrow), and make sure its surface is smooth.



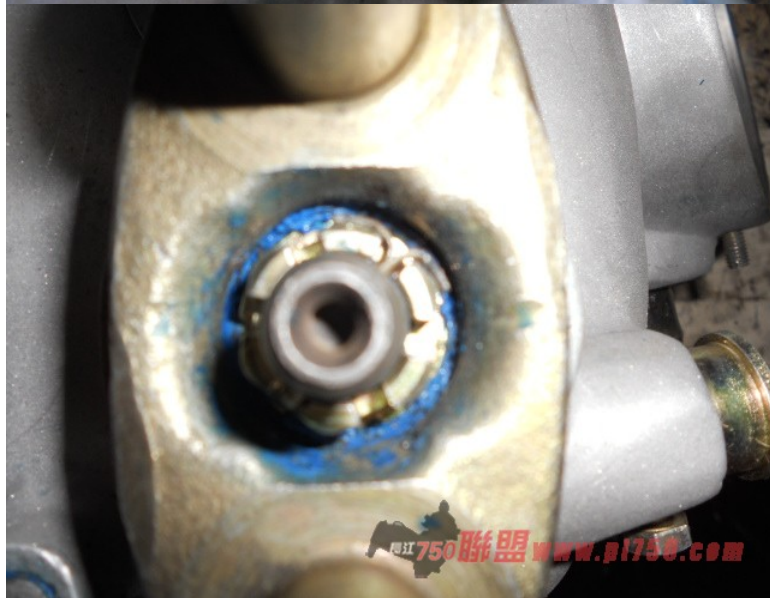
Remove the old oil seal, clean up the surface and install a new oil seal, applying gasket sealer to the outer edge. The seal is CJ750 part number 723126, a metric seal measuring 36.5x48x8mm.



You can see by these two pictures that the seal will stop oil from leaking from the outside of the rotating part, but nothing stops oil from seeping along the splined shaft.



This shows an added seal improvised from a piece cut from an old inner tube.



In addition, silicon sealant is applied under the retaining nut. Tighten well and install the cotter pin. This will stop any oil leaks via the splined shaft.

Finally, reassemble in the reverse order to the disassembly.

Photos by "独自飘流" from www.pl750.com are gratefully acknowledged