

My new gear parts to strenghten Gear Box

Parts from [www.scara73.it](http://www.scara73.it)

1. Strengthening plates



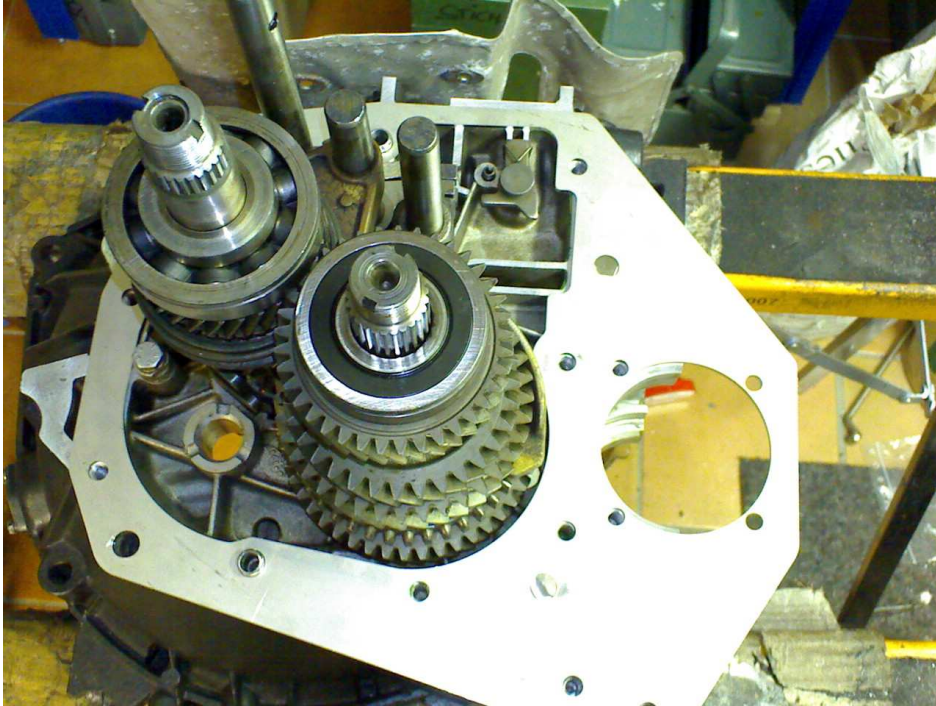
From my opinion the most important plate – It helps to keep both shafts together. These shafts want to push apart from each other and therefore can break open the weak housing.

2. On the other side there is another plate – already originally.



Original Plate (left) vs. new plate (right). This plate in my opinion is not as useful as the other plate – nevertheless it is much stronger and it will help to prevent the housing from blowing up.

3. Well known plate from GB (not from <http://scara73.it/> - please have a look to Walkers Garage etc.



This plate is also not as important as the first plate – it helps to fix the main differential (hole to the right) to the shaft of the gear box. It prevents the main differential from blowing away from weak gear box housing.

4. New Gear Set



Old original shaft (bottom) to the new one (top). The module of the new gear shaft is significantly bigger than the old one (tooth base old: 5mm, tooth base new: 7mm)

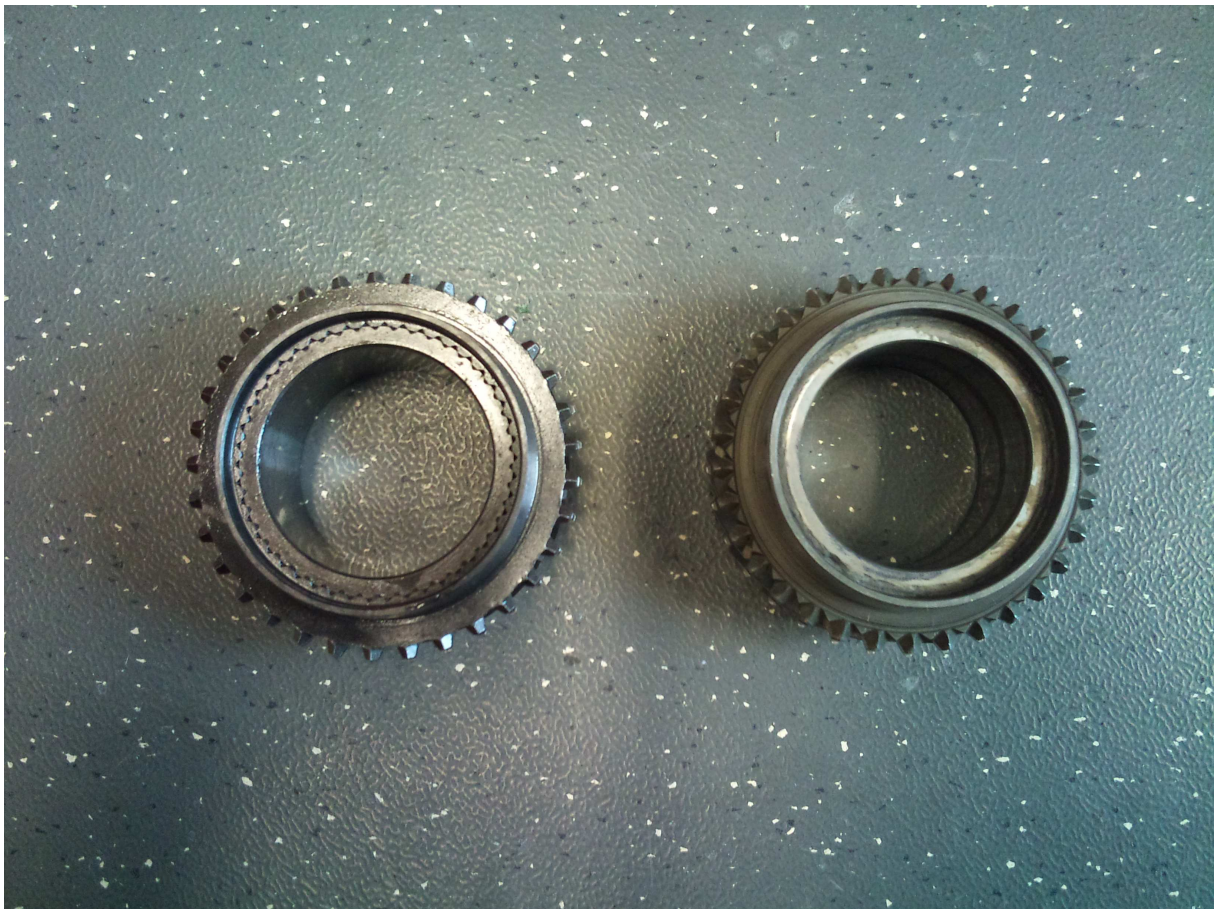
Means theoretically an increase of strength by 40%

Example: Did the shaft 500NM before, thus theoretically newer one will do 700NM now!





Difference 3<sup>rd</sup> gear old (left) to 3<sup>rd</sup> gear new (right): 5mm tooth base vs. 7mm tooth base



Problem 3<sup>rd</sup> gear: welded flange (original, right side): problem solved, it's teethed now (left)

5. Conclusion: very good solutions to strengthen the gear box!!!
6. Contact for parts: <http://scara73.it/>