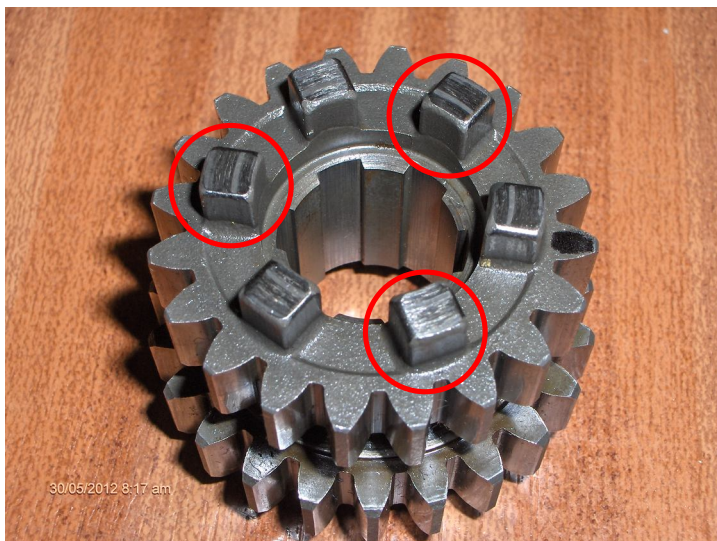


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Honda CB160/CB175 C/R Conversion

The Nova close ratio conversion gears are direct replacements for the standard gears. All four gears are designed with 3 engagement dogs to aid in positive gear changes at the higher speeds experienced on the track. The standard Honda gears are a mixture of 3 and 6 engagement dogs. The Nova 1st and 3rd output gears and 5th input gear can be installed without any modification, in the place of the standard Honda gears. The standard Honda 1st output gear bronze bush will need to be carefully pressed out and fitted into the Nova 1st output gear.

The 2nd input gear engages into the 3rd/4th input gear, which has 6 engagement dogs. In order for the Nova 2nd input gear to engage with the standard Honda 3rd/4th input gear, every other dog needs to be removed from the Honda gear, (see picture below). Ensure once the 3 dogs are removed the surface is dressed flush and smooth to the face of the gear. The standard 2nd input gear bronze bush will need to be carefully pressed out and fitted into the Nova 2nd input gear.



Remove the three dogs circled and ensure that the surface is dressed flush and smooth.