

# Blue Print Info

## Generation 2 Wheel Bearing

Applicable References: ADC48252

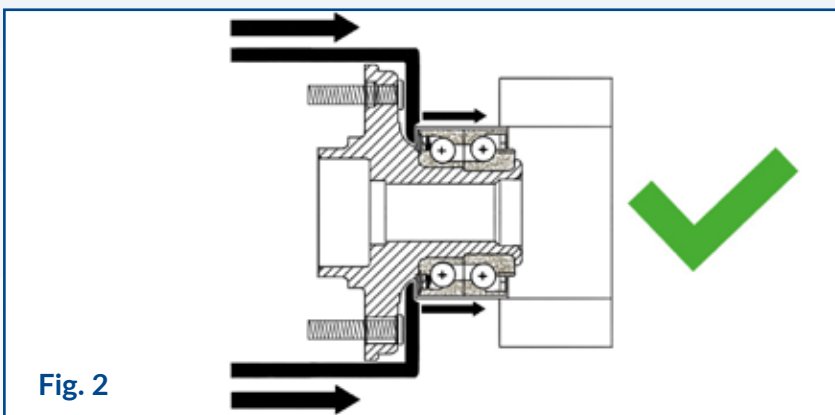
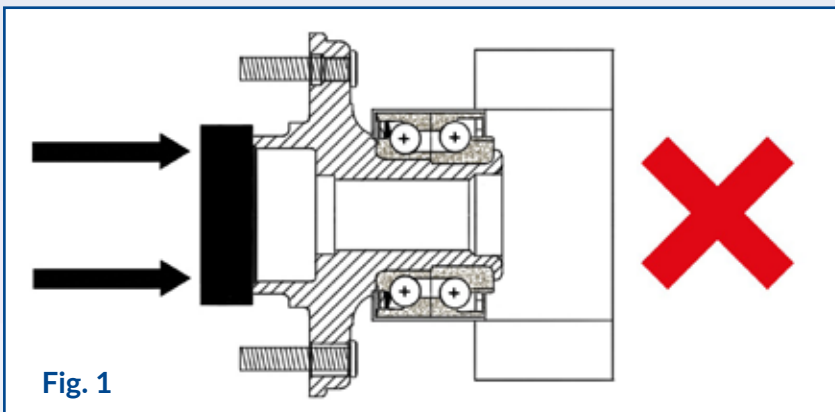
Applications: Mitsubishi Colt 2004> Smart Forfour 2004>2014

Please note that the installation of these type of bearings requires important attention. If these bearings are fitted using the incorrect technique the bearing races will be damaged and the bearing will fail.

Generation 2 bearings are a complete double row angular contact ball bearing and hub assembly. These bearings are designed to resist the radial forces created by the weight of the vehicle and the axial forces created during cornering. The bearing must never be installed into the housing by applying a force to the inner race i.e. the race that is connected to the drive flange. In the event of this method being used, forces will be generated between the ball bearings and races that will exceed those in normal operation and will damage the bearing. This could also result in injury, should the outer race fracture. Fig1.

The correct method of fitment is to apply the installation force to the outer race. This will require the use of a specialist tool to access the outer race. Fig2.

Blue Print supplies a solution. This is special tool ADC45502, which can be used to both remove and install Generation 2 bearings in situation, on the vehicle.



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