

## Technical bulletin

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## TB-050

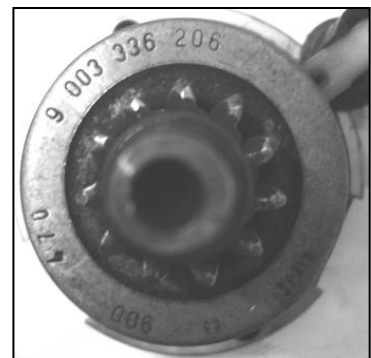
### Application: Chrysler Jeep Grand Cherokee

Due to the amount of labour involved in changing the starter motor on this application, and the subsequent labour involved if the repair fails, please read and understand the following notes carefully, and follow the advice given.

#### Starter motor replacement

This application has three different versions which look very similar:

1. 11 tooth, B+ terminal diagonally opposite starter body.
2. 11 tooth, B+ terminal at 120 degrees from above (to avoid contact with turbo-charger).
3. 9 tooth, B+ terminal at 120 degrees from above (to avoid contact with turbo-charger)



Pictured: 11 tooth pinion

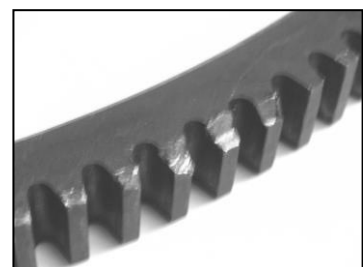
**It is vital that the correct unit is used as replacement.**

To be certain of the correct unit, count the pinion teeth and the position of the B+ terminal on the old unit - which must be identical to the replacement unit.

#### Starter Ring Replacement

It has become apparent that there are allegedly D.E. replacement starter rings in the market which are incorrect in design.

If replacing the starter ring, ensure that the new ring has exactly the same number of teeth as the old ring - to avoid damage pictured.



**Fitting an incorrect starter ring will invalidate any warranties on the starter motor.**