

SERVICE BULLETIN

REVISED FRONT HOUSING FOR M38A/M66A STARTERS

A retooling project for the M38A-H3S pinion housing has resulted in a slightly improved design with better bearing retentions and a slight weight saving.

New patterns commissioned for the above housing should also improve the material integrity and the overall casting quality.

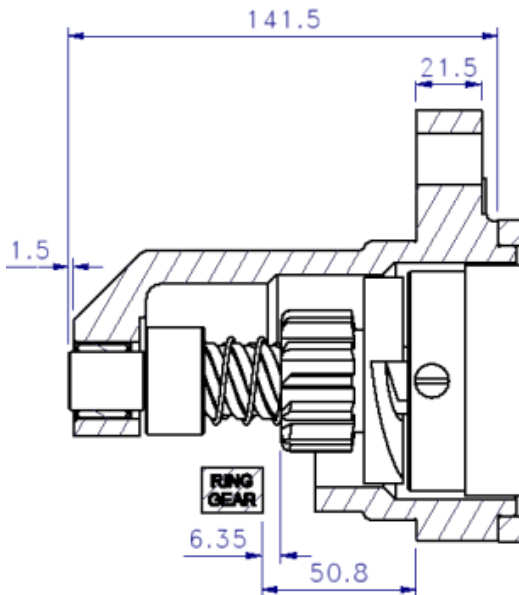
The salient changes are:

1. The bearing pocket now has an outer shoulder. This means that the bearing needs to be inserted from the inside and thus cannot come out from the front of the starter.
2. This design both protects the bearing and the front of the drive shaft which could previously be damaged since it protruded slightly.
3. The flange thickness is down from 21.5mm to 18mm.
4. Since both units are perfectly interchangeable, the part number remains the same.
5. Approximate date breakpoint for this change is mid 2014.

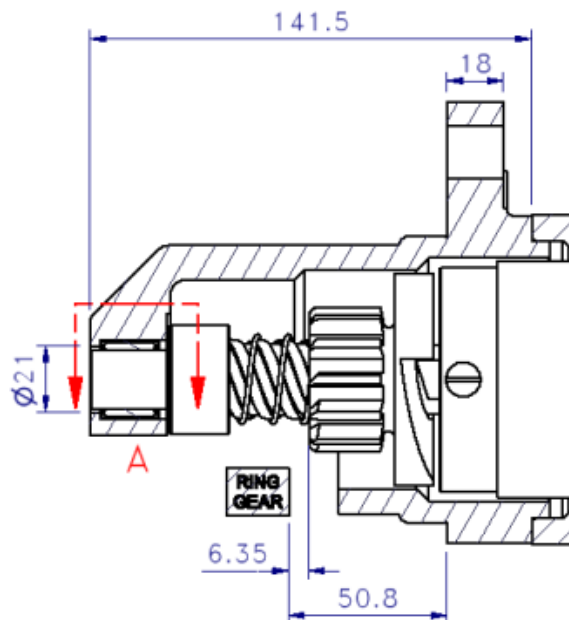
The following drawings show both housings in greater detail:

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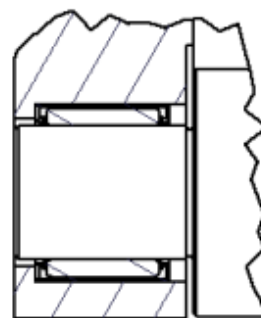
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PREVIOUS HOUSING



NEW HOUSING



DETAIL A