



NOTE: When installing shafts, do not allow splines to contact seals during installation or damage to the seals may occur.

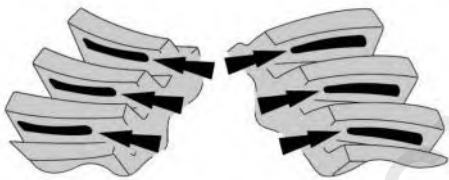
Halfshaft pilot bearing housing seals are susceptible to the same types of damage as drive pinion seals if incorrectly installed. The seal bore must be clean and the lip handled carefully to avoid cutting or tearing it. The seal journal surface must be free of nicks, gouges and rough surface texture.

DIAGNOSIS AND TESTING > REAR DRIVE AXLE AND DIFFERENTIAL > CONTACT PATTERN

In general, desirable ring gear tooth patterns must have the following characteristics:

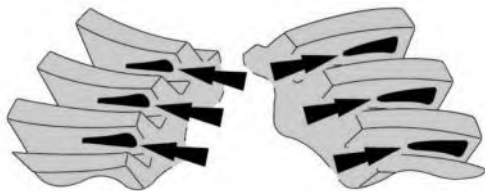
- Drive pattern on the drive side ring gear well centered on the tooth.
- Coast pattern on the coast side ring gear well centered on the tooth.
- Clearance between the pattern and the top of the tooth.
- No hard lines where the pressure is high.

Acceptable ring gear tooth patterns for all axles.



E181792

Correct backlash with a thinner pinion position shim required.



E181793

Correct backlash with a thicker pinion position shim required.