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A Division of General Sullivan Group, Inc.

APPLICATION

**Gear Mount for
 EPAS Steering Column**

Toyota

USA

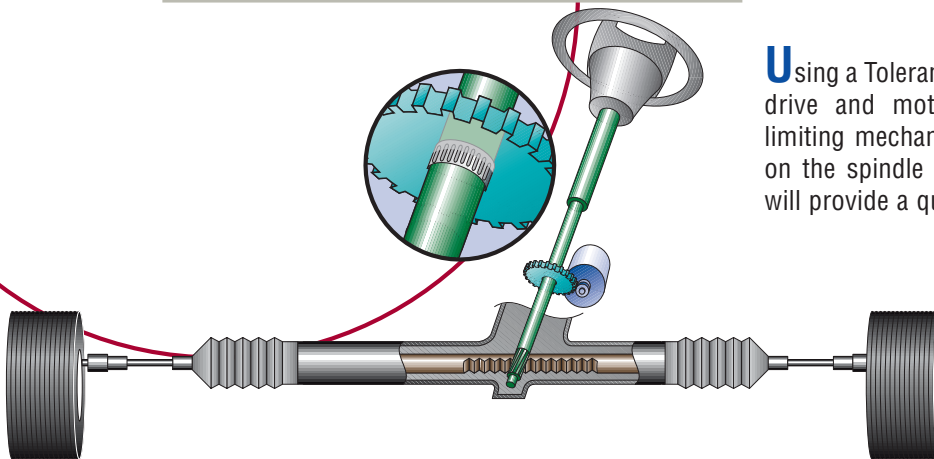
PROBLEM

Sudden impact shock loads to power steering systems, such as when wheel suddenly hits the curb, can damage gear teeth and motor, resulting in warranty issues, due to noise and performance.



SOLUTION

Using a Tolerance Ring between the motor gear drive and motor spindle provides a torque limiting mechanism so that the gear will rotate on the spindle at a predetermined torque, and will provide a quieter unit.



BENEFITS

Protects EPAS system from torque shocks. Protects gear mechanism in lightweight components. Allows for use of lower weight and lower cost components. Increases service life.

STATUS

Production since 1997

CASE STUDY