## TECHNICALTIP

## **TT-669**

## Important Information! Broken Starter Housing? THIS TYPE OF DAMAGE IS NOT COVERED BY YOUR WARRANTY!

Under normal operating conditions, a starter is not capable of developing enough torque to cause this type of damage:



The problem is typically caused by an engine backfire or "kickback". GM has released Tech Service Bulletins addressing this issue; the cause is usually one of the following:

- Crank Position Sensors
- Fuel Pressure Regulator
- Timing Belt
- PCM or ECM

- Misaligned / improperly mounted starter
- Distributer cap
- Valve adjustment
- Use of starting fluid

The correct repair to the engine management system should be made prior to replacement of the starter.