

Oil Pump Sprocket Bolt Removal Caution On 2007-10 Nissan 1.8L Versa MR18DE Engines

The AERA Technical Committee offers the following information regarding the oil pump sprocket bolt removal on 2007-10 Nissan 1.8L Versa MR18DE engines. Improper removal of the bolt could cause damage to the crankshaft sprocket.

Proper removal of the oil pump sprocket bolt is to use hand tools; never use an impact. If an impact or other power tool is used, the crankshaft sprocket may break as shown in Figure 1.



Figure 1



Figure 2

Nissan suggests always using hand tools with a backup wrench as described in the procedures listed below. Following the procedures listed will not damage the crankshaft sprocket when removing the oil pump sprocket bolt.

- Use a socket and a “breaker bar” on the bolt. Always use a backup wrench on the “Width Across Flat” (WAF) area of the oil pump shaft as shown in Figure 2.
- Close up picture of using a backup wrench on “Width Across Flat” (WAF) area of the oil pump shaft is shown in Figure 3 & 4.

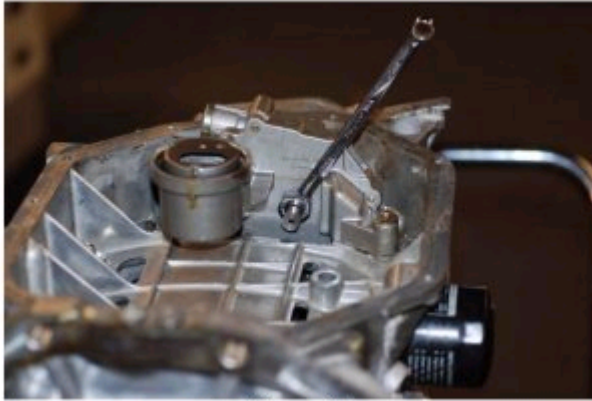


Figure 3

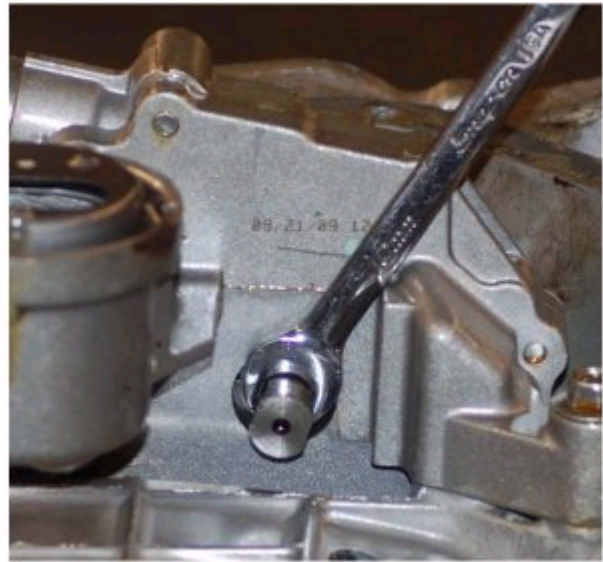


Figure 4