



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.



Figure 1

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.

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) 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 2



Figure 3



Figure 4

The AERA Technical Committee

This information is provided from the best available sources. However, AERA does not assume any responsibility for data accuracy or consequences of its application. Members and others are not authorized to reproduce or distribute this material in any form, or issue it to their branches, divisions or subsidiaries, etc. at a different location without written permission.