

Engine Oil Leak on 2004-2016 Nissan 5.6L VK56DE Engines

The AERA Technical Committee offers the following information concerning an engine oil leak on 2004-2016 Nissan 5.6L VK56DE engines. This information should be considered anytime the engine is being checked for engine oil leaks or when block service work is being performed.

If the technician can confirm an engine oil leak is occurring from the right side of the engine block, this concern may apply. Oil may be leaking a right side block ball plug behind the alternator as shown in Figure 1 below.

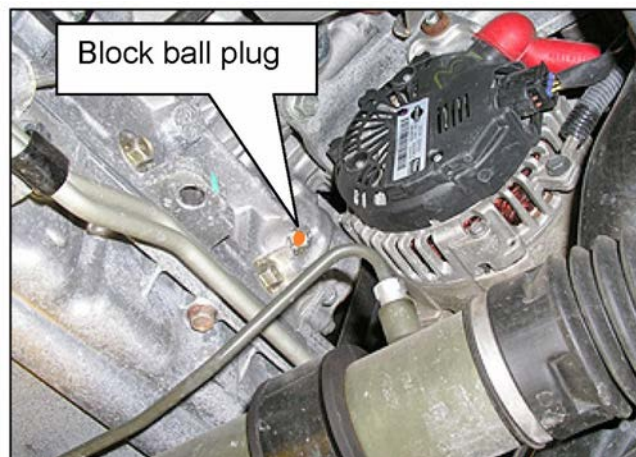


Figure 1. Block Ball Plug Location

To resolve the leaking condition, use an appropriate punch to seat the block ball plug in the hole, refer to the service procedure listed on the following page.



Figure 2. Metal Drift Punch

- Obtain a 1/4" (7.5 MM) metal drift punch and a suitable smaller hammer.
- Use the punch and a hammer to tap the block ball plug further into the hole until it fully seats (see Figures 3 and 4).
- Drive (move) the ball plug further (deeper) into the hole until it "bottoms out" (fully seats).
- You will feel the ball become solid when it "bottoms out" (fully seats) as shown in Figure 4.

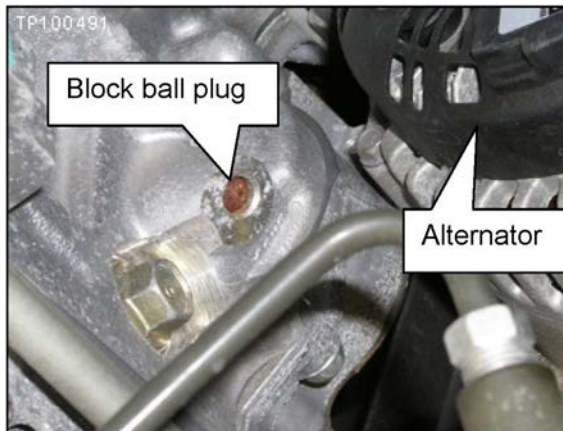


Figure 3. Ball Plug Close-up

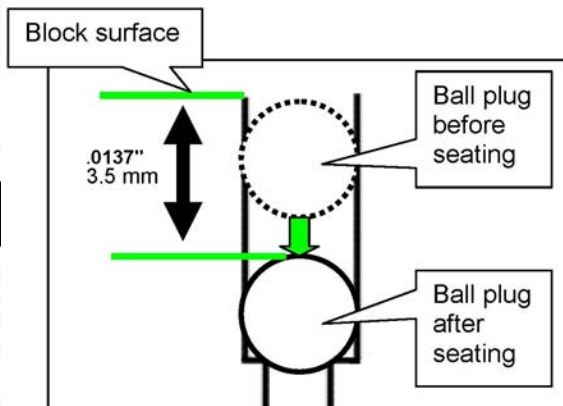


Figure 4. Ball Moved to "Seated"