

SUBJECT: GH7 Engine Camshaft Pulser Ring Timing Verification

Purpose: Provide steps to verify proper camshaft Pulser ring timing. Follow the steps below whenever it is necessary to confirm the camshaft Pulser ring timing is correct without flywheel housing removal.

Department: Service
 Section: Engine
 Model(s): GH7
 Model Year(s): 2011—2013
 Effective Date: 7-16-2013
 Form #: TSB EN-52
 Rev #:
 Supersedes:

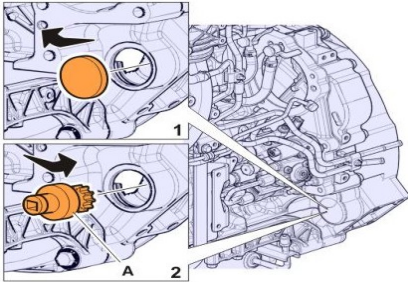


Figure 1

Using special tool 88800287 ref. A, as shown in figure 1. Rotate flywheel in direction of engine rotation until 1-6 is visible on the flywheel, as shown in figure 2.

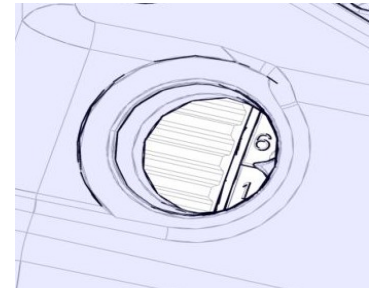


Figure 2

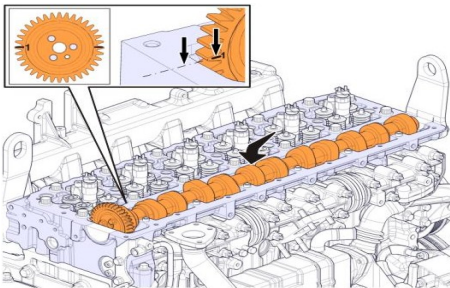


Figure 3

Verify the camshaft gear marks are aligned to the cylinder head, as shown in figure 3.

Remove the camshaft position sensor (CMP), as shown in figure 4.

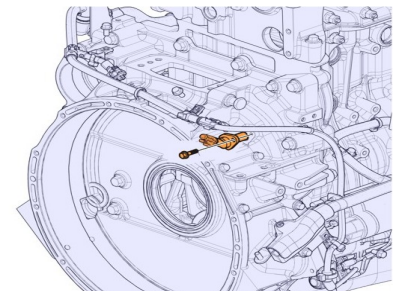


Figure 4

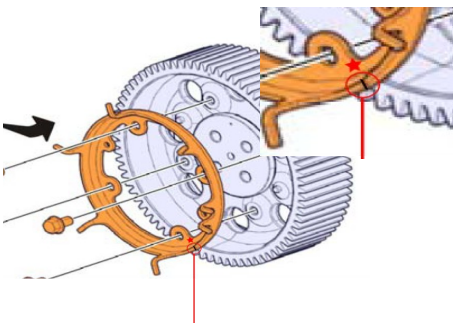


Figure 5

With the camshaft position sensor removed you can see the camshaft Pulser ring. If a notched mark is visible (mark is on the Pulser ring) in the center of the hole the camshaft Pulser ring is in time, as shown in figure 5. If you do not see this notched mark the camshaft Pulser ring is out of time by 180 degrees. You will need to rotate flywheel in direction of engine rotation one full revolution until it is on 1-6, and verify the notched mark is visible on the Pulser ring. The camshaft must then be removed and rotated 180 degrees and aligned in the cylinder head as shown in figure 3. When all marks are aligned the engine is in time.

The information contained in this bulletin should not be interpreted as the basis for a warranty claim.