

## ***Indmar Products***

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### **SERVICE PROCEDURE**

**Date:** 6/12/14

**Alert:** SP2015-10

**Subject:** Valve Cover R&R Bank 1 (Cylinder 1) Side

**Materials Required** – Silicone Sealant

1. Disconnect the quick connect couplings and remove the PCV tube.
2. Disconnect the 4 ignition wires from the ignition coils.
3. Disconnect the 4 ignition wire retainers from the valve cover.
4. Disconnect the Variable Camshaft Timing (VCT) solenoid electrical connector.
5. Remove the bolt and position the dipstick tube aside.
6. NOTE: Do not use metal scrapers, wire brushes, power abrasive discs or other abrasive means to clean sealing surfaces. These tools cause scratches and gouges which make leak paths. Use a plastic scraping tool to remove all traces of old sealant.

NOTE: When removing the valve cover, make sure to avoid damaging the Variable Camshaft Timing (VCT) solenoid.

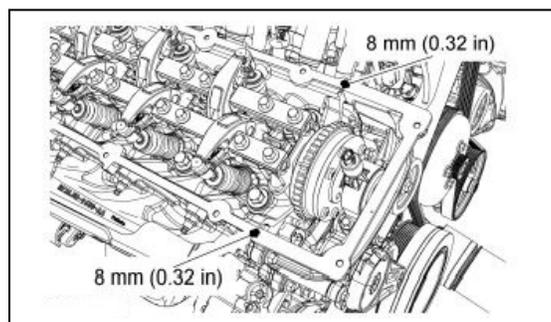
NOTE: The fasteners are part of the valve cover and should not be removed.

Loosen the 10 fasteners and remove the Bank 1 valve cover and gasket.

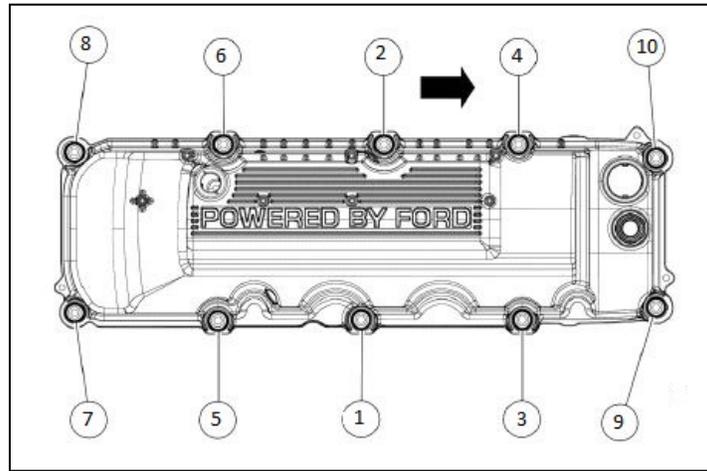
- Clean the valve cover mating surface of the cylinder head.
- Discard the valve cover gasket. Clean the gasket groove with soap and water or a suitable solvent.

### **Installation**

1. Apply a bead of silicone sealant in 2 places where the front cover meets the cylinder head.



2. Using a new gasket, position the valve cover in the cylinder head and tighten the 10 fasteners in the sequence shown.
  - a. Tighten to 89 lb-in (10 Nm)



3. Position the dipstick tube and install the bolt.
  - a. Tighten to 89 lb-in (10 Nm)
4. Connect the VCT solenoid electrical connector.
5. Connect the 4 ignition wire retainers to the valve cover.
6. Connect the 4 ignition wires to the ignition coils.
7. Position the PCV tube and connect the quick connect fittings.