



Technical Service Bulletin

SUBJECT:		No: TSB-16-11-001	
ROCKER COVER OIL LEAK		DATE: August, 2016	
		MODEL: 2014-16 Outlander	
CIRCULATE TO:	<input type="checkbox"/> GENERAL MANAGER	<input checked="" type="checkbox"/> PARTS MANAGER	<input checked="" type="checkbox"/> TECHNICIAN
<input checked="" type="checkbox"/> SERVICE ADVISOR	<input checked="" type="checkbox"/> SERVICE MANAGER	<input checked="" type="checkbox"/> WARRANTY PROCESSOR	<input type="checkbox"/> SALES MANAGER

PURPOSE

Some vehicles may exhibit an oil leak from the rocker cover. This may be caused by an insufficient quantity of FIPG (Formed in Place Gasket) applied during production. This TSB provides guidelines for reinstalling the rocker cover, including proper application of FIPG, when replacing the rocker cover gasket in the event of an oil leak.

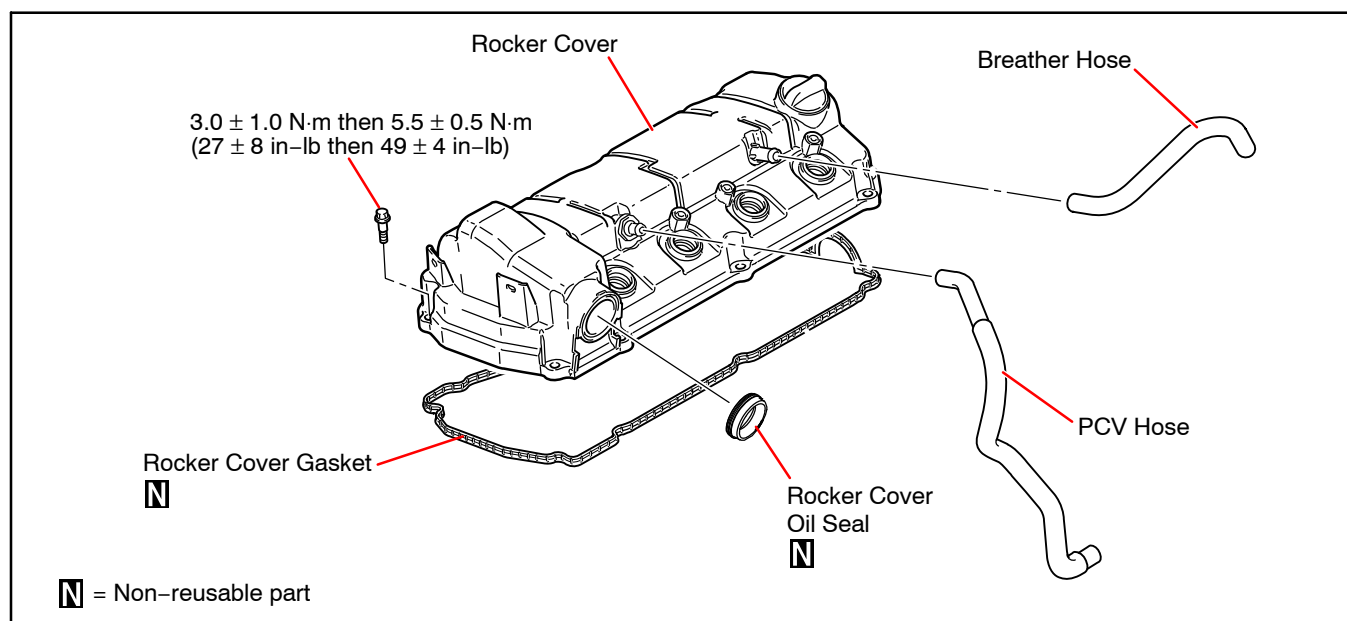
AFFECTED VEHICLES

2014 – 2016 Outlander equipped with 4-cylinder 2.4L engines, built **before** the following VIN:

- GZ033697

REPAIR PROCEDURE

1. Remove the rocker cover assembly and gasket.
Follow Service Manual instructions: Group 11 – Engine > Engine Mechanical > Rocker Cover Assembly > Removal and Installation.



2. Completely remove the existing liquid gasket adhering to the rocker cover, timing chain case, and cylinder head.
3. Degrease all contact areas where the gasket and liquid gasket are applied.
4. Install the new rocker cover gasket and new rocker cover oil seal onto the rocker cover.

NOTE: Be prepared to reinstall the rocker cover immediately after the liquid gasket is applied.

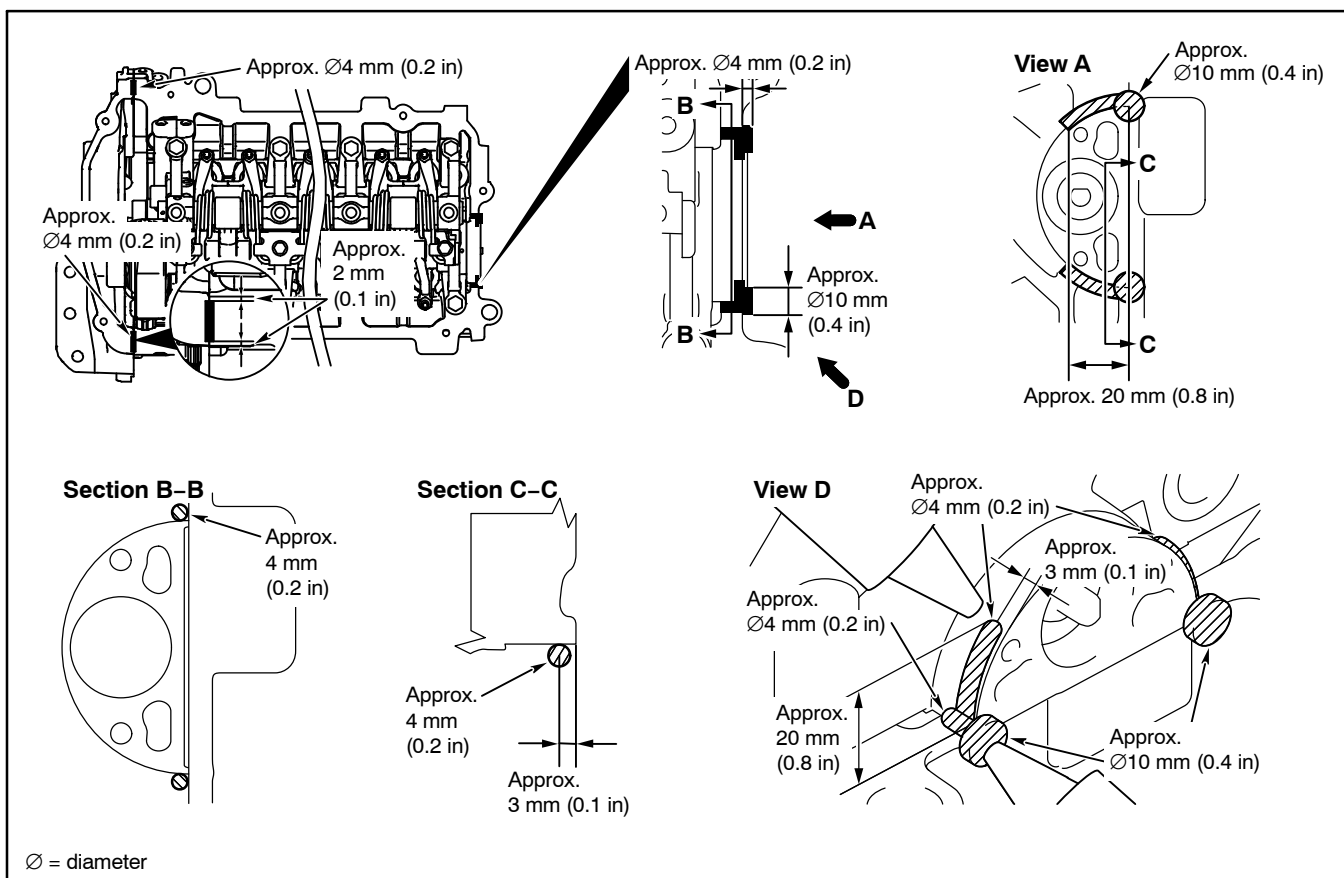
5. Apply the liquid gasket (p/n 1000A923) paying attention to the details below.

a. Apply the liquid gasket in a uniform bead with a thickness of 4 mm (0.2 inch) diameter.

NOTE: Do not use an excess amount so that the liquid gasket does not ooze out after the rocker cover is reinstalled.

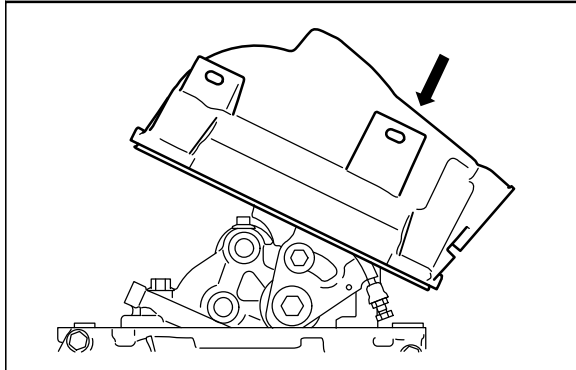
b. Apply liquid gasket at rear of engine as shown in the illustration below.

- Apply a 4 mm thick bead at the base of the arch.
- Apply a 4 mm diameter bead along the arch, about 3 mm from the edge, to a height of 20 mm above the cylinder head (View D).
- Apply a 10 mm diameter bead at the bottom of the arch as shown (View A).



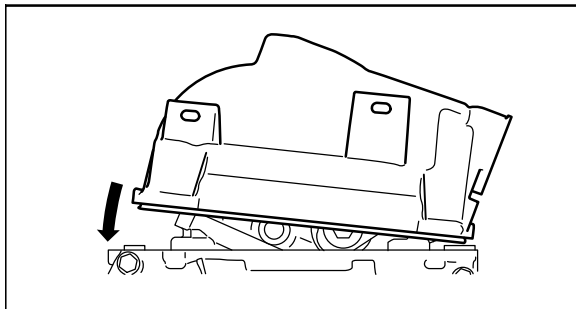
6. Reinstall the rocker cover.

⚠ CAUTION Install along the spark plug guide while being careful not to damage the spark plug guide oil seal.

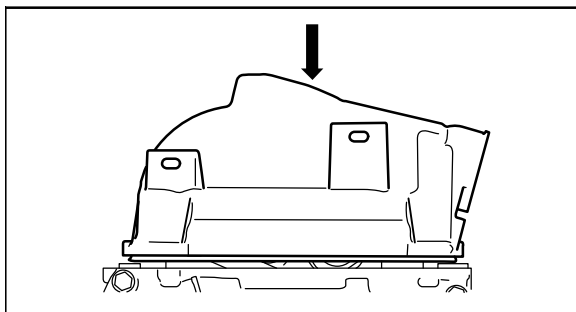


a. Raise the exhaust side of the rocker cover, and insert it at an angle along the spark plug guide.

⚠ CAUTION Ensure that the rocker cover is properly seated. If the rocker cover is seated on the cylinder head at a slight diagonal along the spark plug guide, the sealant, which is applied at the joint between the cylinder head and the timing chain case, will be misaligned. This may cause oil leakage.

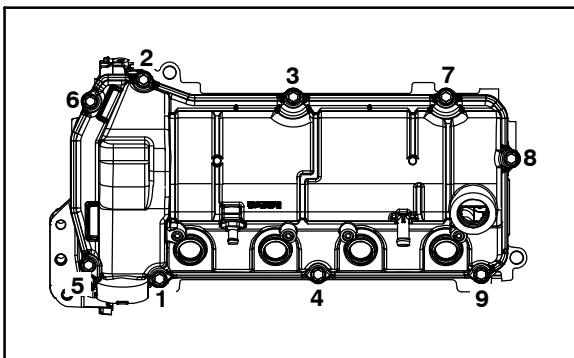


b. Hold the rocker cover horizontally right before seating it on the cylinder head.



c. Lower the rocker cover vertically to seat it on the cylinder head.

NOTE: Do NOT slide the cover horizontally into position.



7. Tighten the bolts in the order shown in the illustration.
 - Torque: $3.0 \pm 1.0 \text{ N}\cdot\text{m}$ ($27 \pm 8 \text{ in}\cdot\text{lb}$)
8. Then tighten the bolts again in the same order to the torque below.
 - Torque: $5.5 \pm 0.5 \text{ N}\cdot\text{m}$ ($49 \pm 4 \text{ in}\cdot\text{lb}$)

9. Reinstall remaining components per Service Manual instructions.
10. Test drive and confirm there is no oil leakage at the rocker cover.

PARTS INFORMATION

Use only the Genuine Mitsubishi Parts listed below.

Description	Part Number	Quantity
Rocker Cover Gasket	1035A698	1
Rocker Cover Oil Seal	1052B146	1
Liquid Gasket, Eng, TB1217G	1000A923	1*

* One tube will service approx. 7 vehicles. Payable at \$10.00/vehicle.

WARRANTY INFORMATION

This bulletin is supplied as technical information only and is not an authorization to repair. If an affected vehicle is reported with the described condition, diagnose the condition, repair as described in this bulletin and submit a normal warranty claim using the following information.

Nature Code: 71D

Cause Code: 530

Labor Operation No.: 11131110

Time Allowance: 0.7 hrs.

Warranty Coverage: Powertrain Coverage