



STAR ONLINE PUBLICATION



Case Number: S2509000004

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Symptom/Vehicle Issue: Misfire DTCs, Rough Idle, Valvetrain Noise

Customer Complaint/Technician Observation: Customer's complaint may include a Mil-On/Check Engine Lamp-On. Driveability symptoms of a noticeable miss, rough idle and/or noise (valvetrain) from the engine may accompany the complaint. Upon further investigation, there may be Misfire DTCs set in the Powertrain Control Module (PCM).

Discussion: The conditions described above may be related to worn intake camshaft high lift lobe(s), and/or intake rocker arm(s) high lift slider wear. "Typical" mileage range to see this failure falls within 10,000-60,000 miles.

Diagnosis: Perform the following procedure if the cause listed above is suspected:

1. Remove the valve cover(s) according to the published service procedures. The use of a stethoscope and/or DTCs specific to an individual cylinder misfire can help to locate the condition to the left or right bank.
2. Once it has been visually confirmed that there is wear on the high lift intake lobe(s) and rocker arm(s) slider, there is a special service kit for this type of repair which should be used instead of replacing the complete engine/long block. The kit contains the parts required for the repair (intake cam, rocker arms, sealer and gaskets).

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

Contact STAR Center, or your Technical Assistance Center Via TechCONNECT or eCONTACT ticket if no solution is found



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Refer to the published service repair procedures using the Cam/RFF service kits:

Right Intake PN: 68661147AA (or equiv.)

-Includes Right intake cam, rocker arms, sealer, and gaskets

Left Intake PN: 68661146AA (or equiv.)

-Includes Left intake cam, rocker arms, sealer, and gaskets

NOTE: Check with your parts department to ensure that the proper service repair parts are used for the vehicle you are attempting to repair.

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