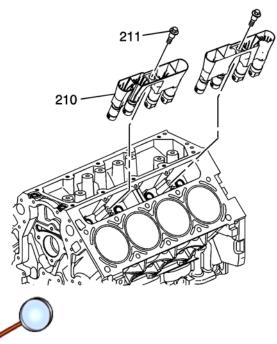
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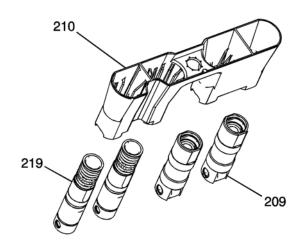
2010 Chevrolet Camaro | Camaro (VIN F) Service Manual | Engine | Engine Mechanical - 4.8L, 5.3L, 6.0L, 6.2L, or 7.0L | Repair Instructions - On Vehicle | Document ID: 2326956

Valve Lifter Replacement (With AFM)

Removal Procedure

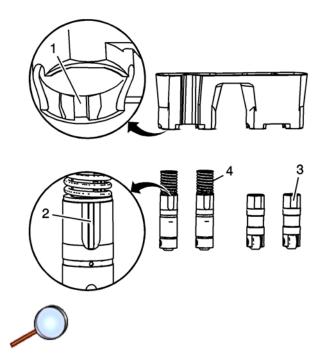


- Remove the cylinder head and gasket. Refer to <u>Cylinder Head Replacement Left Side</u>
- Remove the cylinder head and gasket. Refer to Cylinder Head Replacement Right Side.
- Remove the valve lifter guide bolts (211).
- Remove the valve lifter guides (210) with the lifters. Note the installed position of the guides. The notched area of the guides is to align with the locating tab on the engine block.





• Remove the valve lifters (209, 219) from the guide (210).



Note: The active fuel management lifters are installed into the guide by aligning the notched area of the guide (1) with the raised surface on the side of the lifter (2).

- Organize or mark the components so that they can be installed in the same location from which they were removed, if required.
- Clean and inspect the valve lifters, if required. Refer to <u>Valve Lifter and Guide Cleaning and Inspection</u>

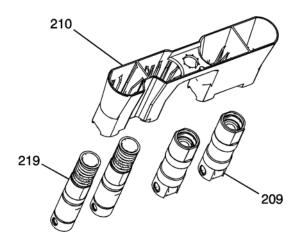
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Installation Procedure

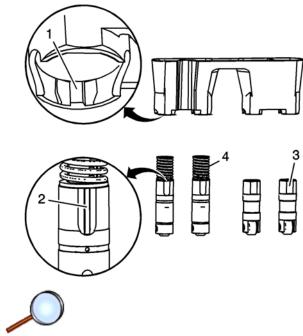
Note:

- If camshaft replacement is required, the valve lifters must also be replaced.
- When reusing valve lifters, install the lifters to their original locations.
- Each of the 4 valve guide assemblies will contain 2 active fuel management valve lifters and 2 non active fuel management valve lifters.
- With the lifters and guides properly installed, cylinders 1, 4, 6, and 7 lifter bores will each contain 2 active fuel management valve lifters.

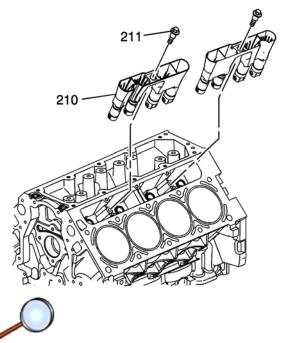




 Lubricate the valve lifters (209, 219) and engine block valve lifter bores with clean engine oil. Document ID: 2326956 Page 4 of 5



- Insert the valve lifters into the lifter guides.
 - Align the flat area (3) on the top of the non active fuel management lifter with the flat area in the lifter guide bore. Push the lifter completely into the guide bore.
 - The active fuel management lifters are to be installed into the guide, with the notch in the guide (1) aligned with the raised area (2) of the lifter.



• Install the valve lifters and guide (210) to the engine block.

Caution: Refer to <u>Fastener Caution</u> in the Preface section.

• Install the valve lifter guide bolts (211).

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Tighten

Tighten the bolt to 12 N·m (106 lb in).

- Install the cylinder head and gasket. Refer to <u>Cylinder Head Replacement Left Side</u>
 Install the cylinder head and gasket. Refer to <u>Cylinder Head Replacement Right Side</u>