



# Service Bulletin

File in Section: -

Bulletin No.: PIP4735C

Date: June, 2012

## PRELIMINARY INFORMATION

**Subject:** Coolant Leak From Oil Cooler Hose Fitting On Left Side Of Engine Block

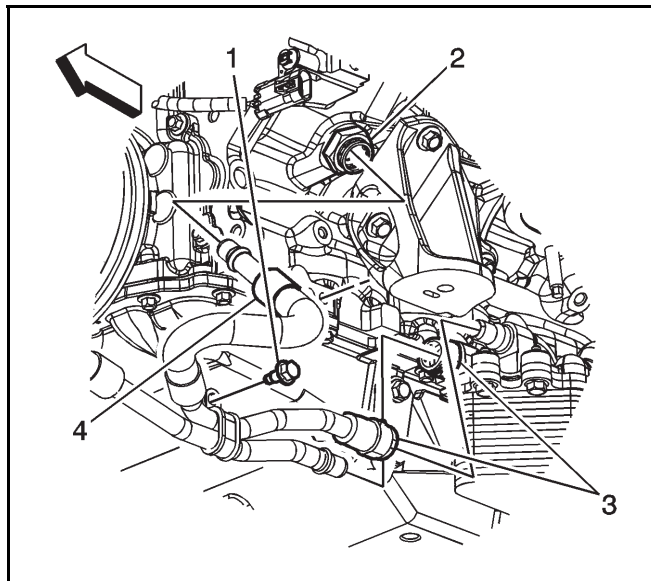
**Models:** 2009 - 2012 Chevrolet Corvette ZR1  
2010 - 2012 Chevrolet Camaro SS, ZL1

This PI was superseded to update model and model years. Please discard PIP4735B.

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

### Condition/Concern:

Some customers may complain of a coolant leak at low mileage. In most cases, this leak is noticed during the Pre-Delivery Inspection at the dealer. Upon inspection, the technician will find that the leak is coming from the threads of the Oil Cooler Fitting that screws into the left side of the engine block (Item #2 Below). This is most likely the result of the fitting being cross threaded into the engine block.



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### Recommendation/Instructions:

If this leak is encountered, perform the steps below:

1. Remove the fitting. If the fitting has been cross threaded, it may take some patience and force to remove the fitting. The fitting has a normal right-hand thread but at first, it may not move, or may have minimal movement. Generally, you will have to work the fitting back and forth for several minutes. In some cases, it may help to remove other components, such as the exhaust manifold, etc., to gain better access to the fitting.
2. Inspect the fitting and the threaded hole in the engine block to see if the threads are damaged due to the fitting being cross threaded into the block.

3. If minor thread damage is found, you may be able to drag a smaller tap, such as an M10x1.25, around the inside diameter of the hole to clean up the existing threads so it is not necessary to tap the hole. If this will not work due to major thread damage, it will be necessary to tap the hole with an M28x1.25 6H bottoming pipe tap. Generally, this size is only available from suppliers who make custom taps. Here is one supplier that has been successfully used by other GM dealers:

E-Taps

Palm Bay, Florida

321-953-3373

[www.e-taps.com](http://www.e-taps.com)

DIN 2181 - M28x1.25 6H Bottoming Pipe Tap

4. Install a new oil cooler coolant fitting using the part number listed in the GMSPO catalog and the Engine Block Plug Installation Procedure in SI. As mentioned in the procedure, torque the new fitting to 50 N·m (37 lb ft).
5. Follow SI procedures to reassemble, fill the cooling system, and check for leaks.

Please follow this diagnostic or repair process thoroughly and complete each step. If the condition exhibited is resolved without completing every step, the remaining steps do not need to be performed.