



Service Bulletin

File in Section: -

Bulletin No.: PIP4949B

Date: April, 2012

PRELIMINARY INFORMATION

Subject: Duramax Diesel Hard Start No Start Or DTC P0087 Injection Pump Replacement

Models: 2010 - 2012 Chevrolet Express Silverado
2010 - 2012 GMC Savana Sierra
Equipped with the 6.6L Duramax Diesel RPO codes LGH and LML

This PI was superseded to update model and model years. Please discard PIP4949A.

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

Condition/Concern:

A dealer may encounter a customer concern of a hard start, no start, or DTC P0087. Normal SI diagnostics may be inconclusive or lead to a Fuel Injection Pump replacement.

Recommendation/Instructions:

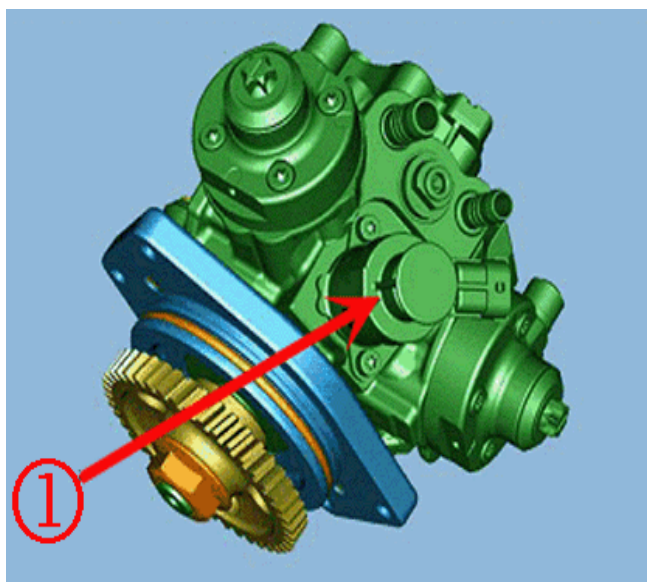
Complete the current SI diagnostics for any symptoms or DTCs found. Check the fuel for any type of contamination and check the API reading. Follow the SI procedure for Fuel System Cleaning if necessary.

If the current SI diagnostic has led to a Fuel Injection Pump replacement, Fuel Pressure Regulator 1 must be inspected for metal debris.

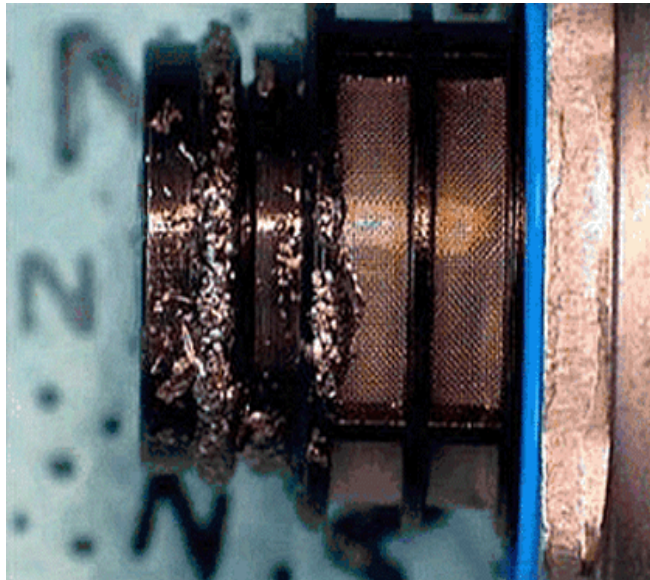
Note: Clean the area around regulator 1 before removal. It is possible that road debris could find its way to the regulator when it is removed. A small piece of dirt does not qualify the fuel system for the repairs recommended in this PI.

Please see pictures below for examples.

Remove the Fuel Injection Pump / Pressure Regulator 1 for inspection.



This picture is an example of the regulator with the debris described.



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This picture is an example of a normal Regulator.



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If no metal debris is found complete the current SI repair procedure, replace the Fuel Injection Pump, and evaluate the condition.

If there is any metal debris found on the regulator complete the following repairs:

1. Replace the fuel injection pump, fuel rails, fuel injectors, fuel return line assembly, all high pressure fuel pipes, indirect fuel injector, and fuel feed pipes (pump to indirect fuel injector).
2. Remove and flush the fuel tank and the fuel tank sending unit.
3. Clean and flush all fuel chassis lines, fuel filter housing, filter pipes, and other engine mounted fuel system pipes not replaced.
4. The filter housing should be inspected and cleaned with a new fuel filter installed.

Note: The Indirect Fuel Injector (Hydrocarbon Injector) and its fuel lines must be purged of air any time it is removed or replaced. Failure to do so may damage the injector. Perform the Diesel Particulate Filter (DPF) Regeneration Enable any time the indirect injector or its fuel lines are opened/removed or replaced. This will force regeneration as soon as conditions allow and will purge any air from the system. Refer to Diesel Particulate Filter (DPF) Regeneration Enable in SI.

Note: These fuel system components will be requested back for an engineering inspection. Completing this repair without finding the metal debris (as described in this PI) may result in a debit to the dealer.

WARRANTY INFORMATION		
Labor Operation	Description	Labor Time
J7811	Diagnose Fuel System Components – Replace	27 Hours
*This is a unique labor operation for this PI use only. It will not be published in the Labor Time Guide.		

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.