

Technical Service Bulletin Number
TSB130159



Technical Service Bulletin

Subject

Fault Code 3167 or 1691 Caused by a Missing Poppet in the EcoFit™ Aftertreatment Fuel Injector

Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

This document informs the field of a missing poppet in the EcoFit™ aftertreatment fuel injector causing Fault Code 3167 or 1691.

This issue is isolated to the new EcoFit™ aftertreatment fuel injector design. The new EcoFit™ aftertreatment fuel injector is susceptible to the inner poppet falling out due to a worn retaining spring retainer. This situation can increase the probability of fouling that can cause a high restriction of the injection of fuel into the aftertreatment system.

See Table 1 to reference the affected part numbers:

Table 1		
Engine Family	EcoFit™ Aftertreatment Fuel Injector Part Number	EcoFit™ Aftertreatment Fuel Injector Service Kit Part Number
ISX CM871 ISM CM876	5300987	4309454NX
	5294110	4309349NX

Table 1		
Engine Family	EcoFit™ Aftertreatment Fuel Injector Part Number	EcoFit™ Aftertreatment Fuel Injector Service Kit Part Number
ISX 12 CM2250 ISX 15 CM2250 QSX11.9 CM2250 QSX15 CM2250 ISX12 CM2350 ISX15 CM2350		

- The engine control module (ECM) illuminates the amber CHECK ENGINE lamp and/or the malfunction indicator lamp (MIL).
- Fuel injection into the aftertreatment system is **not** sufficient to perform active regeneration of the aftertreatment diesel particulate filter.

Malfunctioned EcoFit™ aftertreatment fuel injectors will have a hole in the center of the injection point. A normal EcoFit™ aftertreatment fuel injector will have a visible plunger (poppet) at the center of the injection point.

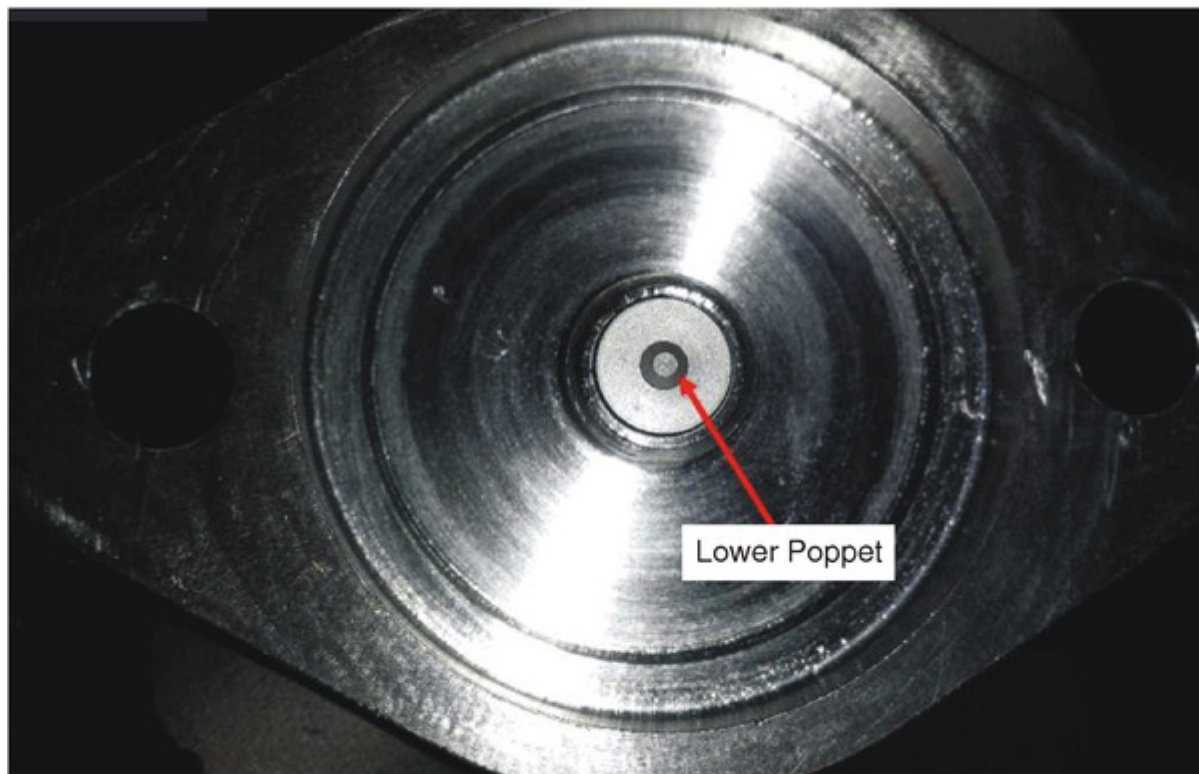
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Missing Poppet - EcoFit™ Aftertreatment Fuel Injector

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Poppet - EcoFit™ Aftertreatment Fuel Injector

If the EcoFit™ aftertreatment fuel injector is missing the lower poppet, replace the aftertreatment fuel injector.

Table 2		
Engine Family	Engine Build Date	Engine Serial Number First
ISX15 CM2350 X101	6-Feb-14	79717919
ISX12 CM2350 X102	5-Feb-14	75026326

Document History

Date	Details
2013-11-4	Module Created
2014-5-8	typo correction
2014-9-30	none

Last Modified: 19-Jan-2015

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