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Availability: ISIS, Bus ISIS, FleetISIS, Body Builder

Major System: ENGINES

Current Language: English

Other Languages: NONE

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Title: Oil filter bypass slug in oil filter housing

Applies To: 2010 + MaxxForce DT, 9, 10, N9 & N10 (ESN 3,300,000 and later)

CHANGE LOG

Please refer to the change log text box below for recent changes to this article:

10/22/2015 - Added repair and warranty sections.
9/23/2015 - Fixed article formatting.

DESCRIPTION

A machine slug in the oil filter bypass has the potential to become loose and lodge in the oil filter housing. This can then block off oil flow and lead to engine operation issues.

SYMPTOMS

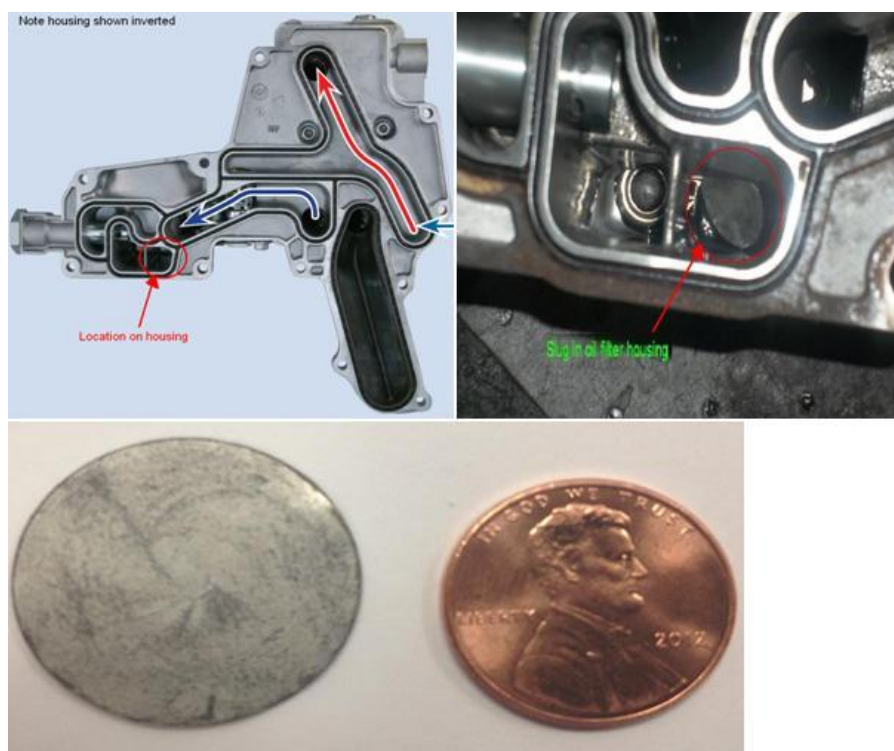
- Low or no base engine oil pressure (possibly intermittent)
- DTC SPN:100, FMI:18- Engine oil system below warning pressure
- DTC SPN:100, FMI:1- Engine oil system below critical pressure
- Possible No start or engine stalling due to low base engine oil pressure
- Excessive oil pressure
- Oil leak at engine oil filter

TROUBLESHOOTING

Verify base engine oil pressure with a manual gauge while cranking and at idle, if possible, to rule out a sensor issue.

If it can be verified that oil pressure is low or high, inspect the oil pressure regulator for scoring (note light wear may be seen on oil pressure regulator).

If no major scoring is found, remove the filter housing and inspect for the blockage shown below.



REPAIR INSTRUCTIONS

If a slug is found in the oil filter housing, the slug should be removed and the oil filter should be replaced. Also examine the oil pressure regulator and oil housing for any damage. If heavy scoring is found, then replace damaged parts.

WARRANTY INFORMATION

Warranty Claim Coding:

Group:	12000 - ENGINES
Noun:	414 - Valve, Oil Pressure Regulating

Standard Repair Time(s):

Description	Chassis	Engine	SRT	Hours
ENGINE OIL / FLUID LEAK, DIAGNOSIS	All Models	All Engines	A12-4001A-20	Click Here for Hours
ENGINE OIL PRESSURE REGULATOR, REPLACE	CE	MAXXFORCE DT/9/10 (EPA 2010)	G12-4414T	Click Here for Hours
	4300	MAXXFORCE DT/9/10 (EPA 2010)	K12-4414T	
	7300, 7400, 7500	MAXXFORCE DT/9/10 (EPA 2010)	M12-4414T	
	RE/MOTORHOME	MAXXFORCE DT/9/10 (EPA 2010)	NH12-4414T	
	BE	MAXXFORCE DT/9/10 (EPA 2010)	Y12-4414T	
	Other Models	All Other I-6 Engines	A12-3792	

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