



Countries: AUSTRALIA, BRAZIL, CANADA, TAIWAN, UNITED STATES, GUAM, KOREA, SOUTH KOREA

Availability: ISIS, FleetISIS

Major System: ENGINES

Current Language: English

Other Languages: NONE

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Coding Information

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Title: MaxxForce 15L Water Pump Repairs or Replacement

Applies To: EPA 2011 MaxxForce 15L

CHANGE LOG

2015/11/09 - Added service remark in parts catalog for water pump and inlet pipe to reference this document
 2015/01/20 - Edited Parts Table and ESN Break
 2015/01/08 - Initial Article Release

DESCRIPTION

Early build 15L engines utilized a "loose" restriction in the water pump inlet pipe. For certain configurations, this will cause a low or no flow situation, in the radiator. Therefore, the following procedure should be followed when replacing the water pump on engines with **ESN 9001848 and below**, that have not previously had the part replaced.

This document should be utilized in conjunction with the Engine Service Manual (0000001746) and the Engine Diagnostics/Troubleshooting Manual (eges515).

SYMPTOMS

Customer Observations or Concerns:

- Overheating
- Failed water pump

SPECIAL TOOLS

Tool Description	Tool Number	Comments	Instructions
Coolant Management Tool	KL500NAV		Link

SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
Kit, Water Pump Assy.	3007644C94	1	Check Build Date
Pipe Water Pump Inlet	3007755C93	1	
Seal, Oring	1891607C1	1	

ISC Tube Extension	62981820106	1	
Seal, Oring (ISC)	1883141C1	1	

OVERVIEW

- Replace the water pump inlet pipe (when found with the "loose" restrictor) during a water pump repair
- **Engine Serial Number (ESN) break is 9001848** - all ESNs 9001848 and below will need the water pump inlet pipe replaced

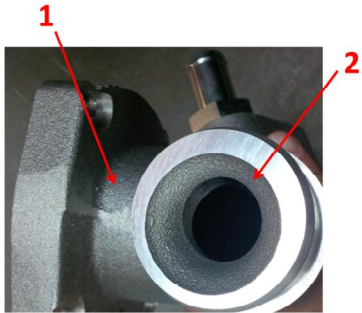


Figure 1: Casted restrictor water pump inlet pipe

Item 1: Water pump inlet pipe
Item 2: Casting restriction

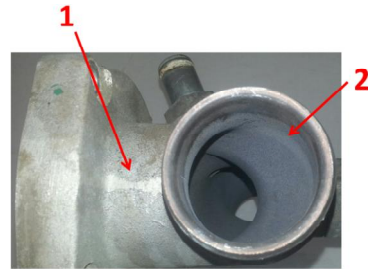


Figure 2: "Loose" restrictor water pump inlet pipe

Item 1: Water pump inlet pipe
Item 2: "Loose" restriction contact area

REPAIR STEPS

- 1. Locate the water pump inlet pipe on the right side of the engine**

1. General Information	
Name:	
Address:	
City:	
State:	
Zip:	
Phone:	
2. Employment Information	
Employer:	
Position:	
Start Date:	
End Date:	
Reason for Leaving:	
3. Education Information	
Level of Education:	
Field of Study:	
Graduation Date:	
4. References	
Reference Name:	
Reference Address:	
Reference Phone:	
Reference Email:	
Reference Relationship:	
Reference Comments:	

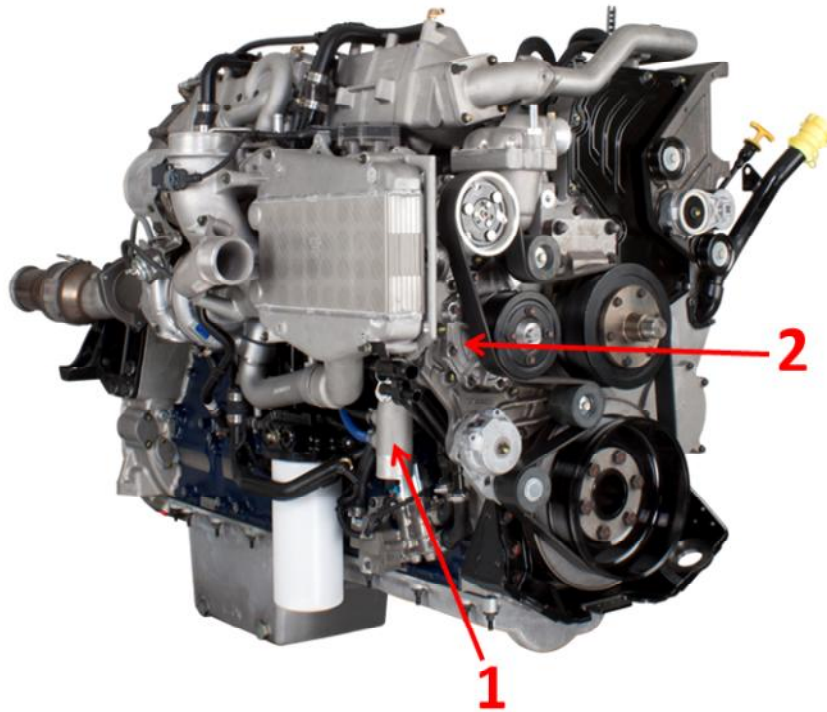


Figure 3: Front of Engine

Item 1: Water pump inlet pipe

Item 2: Water pump

2. Remove the water pump inlet pipe (**Figure 3**, Item 1) following the Engine Service Manual (0000001746)



Figure 4: Water Pump Inlet Pipe

Item 1: Connection to water pump

Item 2: Water pump inlet pipe

3. Install the new water pump inlet pipe following the Engine Service Manual (0000001746)

WARRANTY INFORMATION

Warranty Claim Coding:

Group:	12000 - Engine
Noun:	774 - Pump and Gasket Assembly, Water

Standard Repair Time(s):

Use T-Time for this repair, until further notice

OTHER RESOURCES

[Master Service Information Site](#)

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