



Countries:
Availability:
Major System: ENGINES
Current Language: English
Other Languages: NONE
Viewed: 85

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Coding Information

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Title: Multiple EGR Valve/TC2 Fault Codes

Applies To: 2010 and later MaxxForce DT/9/10, N9, N10

CHANGE LOG

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

11/13/2018 - Initial Article Release

DESCRIPTION

An electrical condition that can occur within the Injection Pressure Regulator (IPR) may cause multiple EGR valve and TC2 fault codes. This document outlines the potential fault codes that could be present, and the repair for the condition.

SYMPTOM(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC/Light	Description
SPN 1189 FMI 3	TC2WC short to PWR
SPN 1189 FMI 4	TC2WC open or short to GND
SPN 27 FMI 7	EGRP does not agree with commanded position
SPN 27 FMI 14	EGR internal circuit failure
SPN 2791 FMI 2	EGR feedback communication fault
SPN 2791 FMI 3	EGRV supply voltage is too HIGH
SPN 2791 FMI 4	EGRV supply voltage is too LOW
SPN 2791 FMI 7	EGR Valve unable to achieve commanded position
SPN 2791 FMI 8	EGR valve not receiving ECM PWM signal
SPN 2791 FMI 14	EGR valve Initialization Fault

Customer Observations or Concerns:

- MIL
- Poor Engine Performance

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions
IPR Socket	12-800-01		

SERVICE PARTS INFORMATION

Kit Description	Part Number	Quantity Required	Notes
Injection Pressure Regulator (IPR)	Refer to Parts Catalog	1	

DIAGNOSTIC STEP(s)

Step	Action	Decision
1	DIAGNOSTIC: Follow the FCAP for the EGRV or TC2 fault code. Were any issues found during troubleshooting?	Yes. Make the necessary repairs and retest for codes.
		No. Continue to step 2.

Step	Action	Decision
2	DIAGNOSTIC: Replace the IPR and retest for codes. Are fault codes still present?	Yes. Contact Tech Services.
		No. No further diagnostics needed.

REPAIR STEP(s)

Please refer to the engine service manual for removal and installation procedure of the IPR.

- [2010 MaxxForce DT/9/10](#)
- [N9/N10](#)

WARRANTY INFORMATION**Warranty Claim Coding:**

Group: 12000 - Engine

Noun:	800 - Regulator, Injection Pressure (IPR)
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Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

OTHER RESOURCES

[Master Service Information Site](#)

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