



**Countries:** CANADA, UNITED STATES **Document ID:** IK1201159  
**Availability:** ISIS, Bus ISIS, FleetISIS, Body Builder **Revision:** 0  
**Major System:** ENGINES **Created:** 7/22/2014  
**Current Language:** English **Last Modified:** 8/4/2014  
**Other Languages:** NONE **Author:** Matthew Lazarz  
**Viewed:** 218

[Less Info](#)

Hide Details

Coding Information

<b>Copy Link</b> 	<b>Copy Relative Link</b> 	<b>Bookmark</b>  <a href="#">View My Bookmarks</a>	<b>Add to Favorites</b> 	<b>Print</b> 	<b>Provide Feedback</b> 	<b>Helpful</b>  0	<b>Not Helpful</b>  0
----------------------	-------------------------------	--	-----------------------------	------------------	-----------------------------	-------------------------	-----------------------------

**Title:** SPN 3251 FMI 2 DPFDP above or below desired level diagnostics

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

**DESCRIPTION**

Supplemental diagnostics for fault code SPN 3251 FMI 2 DPFDP above or below desired level

**SYMPTOM(s)**

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

- SPN 3251 FMI 2 DPFDP above or below desired level (active, inactive or pending)

**Customer Complaint(s):**

- Frequent regens
- Engine warning light
- Unable to regen
- Black smoke

**DIAGNOSTIC STEP(s)**

Step	Action	Decision
1	Inspect the DPFDP tubes and hoses for plugging, kinks or cracks are any defects noted?	A: Yes repair and retest for the fault. B: No and high DPFDP is suspected due to differential pressure spikes proceed to step 2. C: No and low DPFDP is suspected due to rapid drops in differential pressure proceed to step 3.

Step	Action	Decision
2	Do a DPF reset in Service Maxx (See figure 1) -->parameters-->CDPF_reset--> yes-->program engine cycle the key off, then hold at WOT for 5 min, then road test. Did the fault return?	Yes: Perform symptom 3 (MEDIUM DUTY): SPN 3719 OR SPN 3936 ACTIVE ONLY OR FREQUENT REGENS (MORE THAN ONE PARKED REGEN PER DAY) in the <a href="#">Aftertreatment Diagnostic Manual 0000003081</a> . No: Repair completed.

Step	Action	Decision
3	Test with snap accel test to check for black smoke, is black smoke present?	Yes: Continue symptom 5 (MEDIUM DUTY) : BLACK SMOKE in the <a href="#">Aftertreatment Diagnostic Manual 0000003081</a> No: Remove DPF and inspect for defect and compare to reuse guidelines in <a href="#">Aftertreatment Diagnostic Manual 0000003081</a>

Step	Action	Decision
4	All steps have been completed, and SPN 3251 FMI 2 DPFDP above or below desired level is still active.	Perform the pin drop test using <b>ONLY</b> an FSX approved testing rod to determine if there is internal DPF melting or defect.

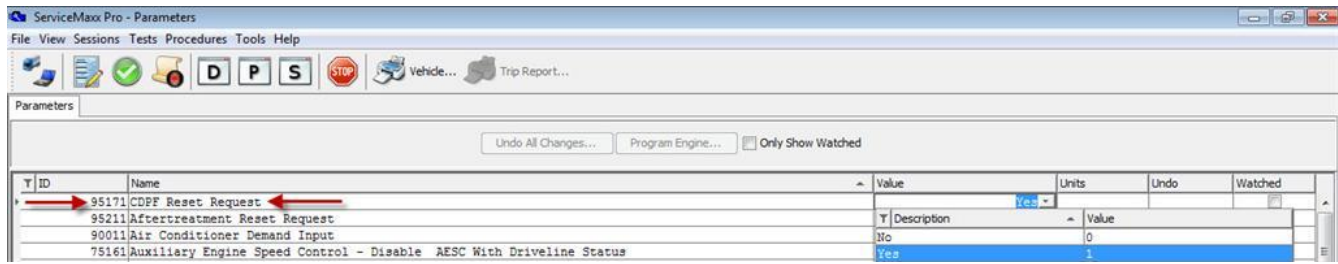


Figure 1:

**REMOVAL & INSTALLATION PROCEDURE**

Follow Exhaust aftertreatment and diesel particulate filter (DPF) service manual for your vehicle (S07003 - S07006)

**OTHER RESOURCES**

[Aftertreatment Resource Center](#)

**SRT's**

DPF R&R				
Code	Model	Engine	Qualifier 1	Qualifier 2
<a href="#">A12-4930</a>	7000	MAXXFORCE DT/9/10	Horizontal Mount Under Cab	N/A
<a href="#">A12-4932</a>	Models, ALL	MAXXFORCE DT/9/10	Horizontal Mount Under Frame	All Other Engines
<a href="#">A12-4934</a>	Models, ALL	MAXXFORCE DT/9/10	Vertical Mount	All Other Engines
DPFDP Sensor Diagnostics				
<a href="#">G12-2294K</a>	CE	MAXXFORCE DT/9/10	N/A	N/A
<a href="#">K12-2294K</a>	4300	MAXXFORCE DT/9/10	N/A	N/A
<a href="#">L12-2193K</a>	4400	MAXXFORCE DT/9/10	N/A	N/A
<a href="#">M12-2193K</a>	7300, 7400, 7500	MAXXFORCE DT/9/10	N/A	N/A
<a href="#">P12-2193K</a>	8500	MAXXFORCE DT/9/10	N/A	N/A
<a href="#">Z12-2098K</a>	3200	MAXXFORCE DT/9/10	N/A	N/A

**Warranty Coding**

Group	Noun	Noun description
1200	235	Diesel Particulate Filter
1200	575	Sensor, DPF differential pressure
1200	577	Tube, DPF differential pressure sensor

Viewed: 217  
Helpful: 0  
Not Helpful: 0

No Feedback Found