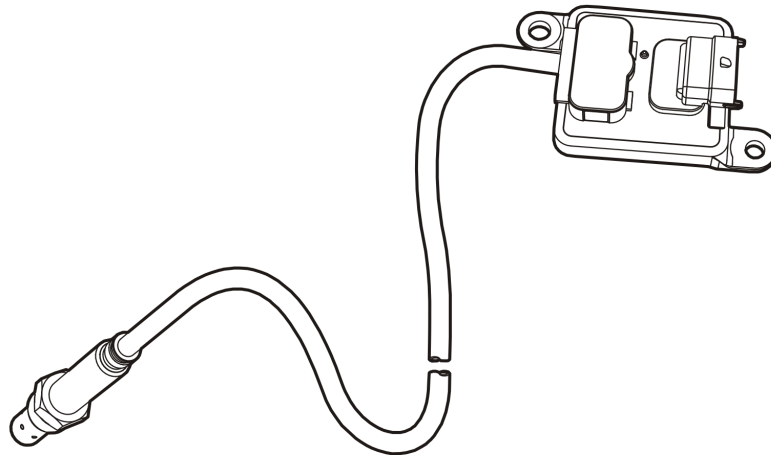


Date	Group	No.	Page
5.2008	<b>258</b>	<b>53</b>	1(6)

NOX Sensor and Control Module  
(Compact DPF), Replacement  
D11F, D13F, D16F

## NOX Sensor and Control Module (Compact DPF), Replacement



W2006481

This information covers replacement of the NOX sensor and control module used for the compact DPF system with Volvo D11F, D13F and D16F engines.

### Contents

- “NOX Sensor and Control Module, Replacement” page 2

**Note:** Information is subject to change without notice.  
Illustrations are used for reference only and can differ slightly from the actual engine version. However, key components addressed in this information are represented as accurately as possible.

# **Service Procedures**

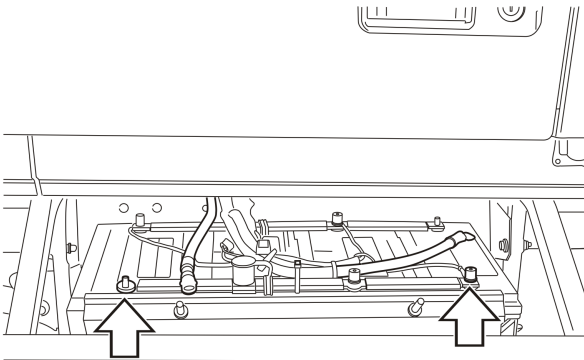
## **2589-03-02-11**

### **NOX Sensor and Control Module, Replacement**

You must read and understand the precautions and guidelines in Service Information, group 20, "General Safety Practices, Engine" before performing this procedure. If you are not properly trained and certified in this procedure, ask your supervisor for training before you perform it.

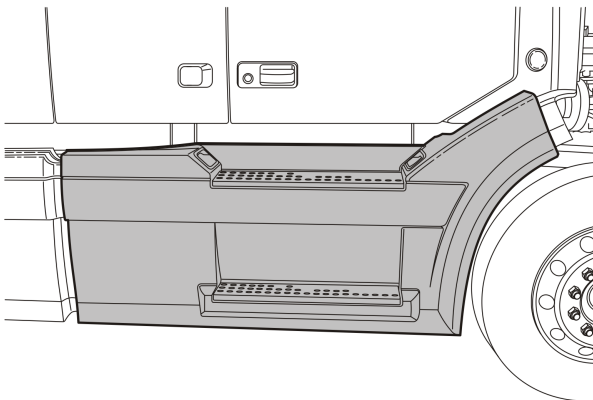
## **Removal**

- 1**  
Apply the parking brake and place the shift lever in neutral.
- 2**  
Remove all cables from ground (negative) battery terminals to prevent personal injury from electrical shock.



W3007761

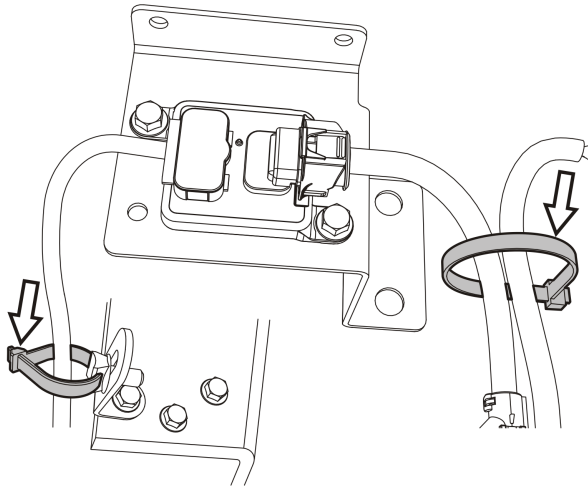
- 3**  
Remove right side chassis fairing, if equipped.



W2005915

**4**

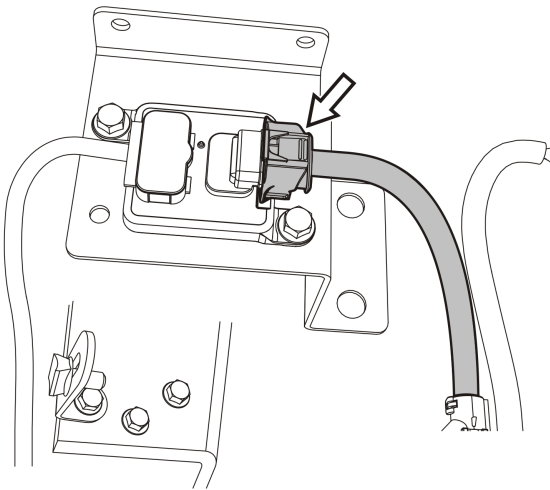
Follow lead from sensor and cut all tie straps securing harness connector and sensor lead.



W2006482

**5**

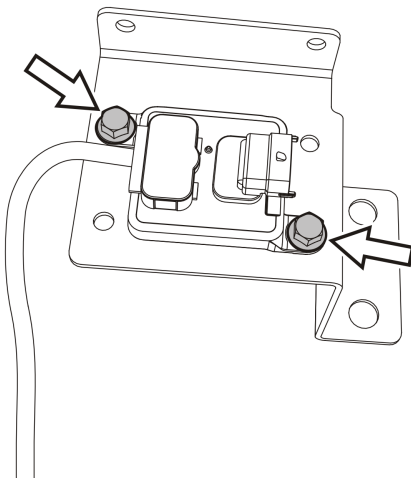
Disconnect harness from NOx control module.



W2006483

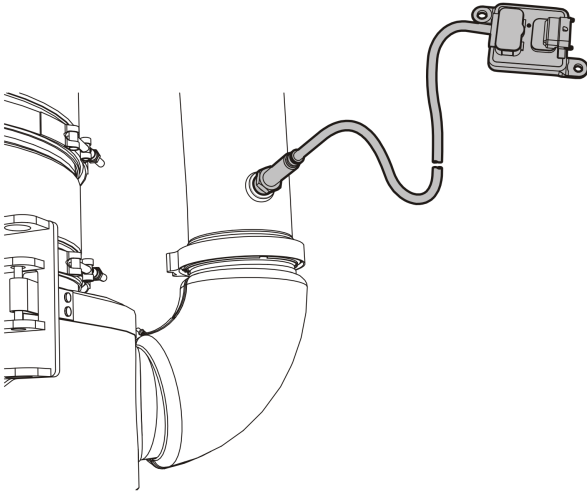
**6**

Remove control module fasteners.



W2006484

- 7**  
Remove sensor from exhaust pipe.

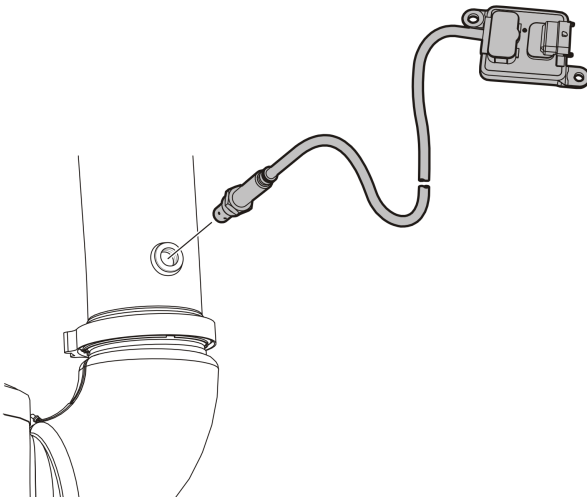


W2006485

## Installation

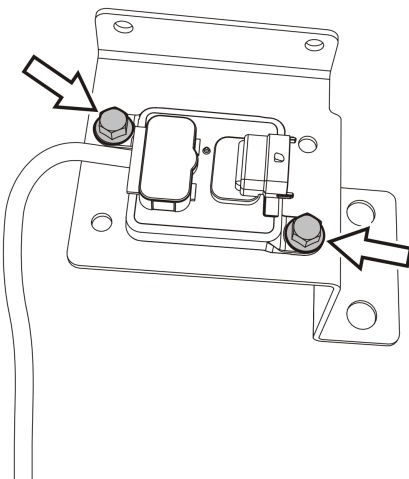
- 1**  
Apply a high temperature anti-seize compound to the threads of replacement sensor. Install sensor end into exhaust pipe. Tighten the sensor to specification.

**Note:** For torque specification, refer to the specification bulletin in group 20.



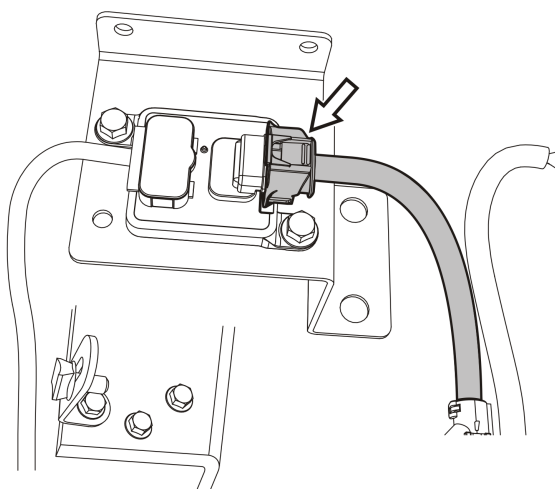
W2006486

- 2**  
Install control module fasteners. Tighten fasteners to specification.



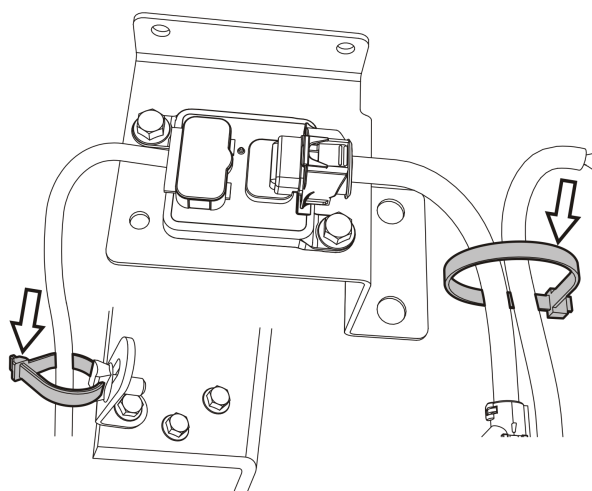
W2006484

- 3**  
Connect harness to control module.



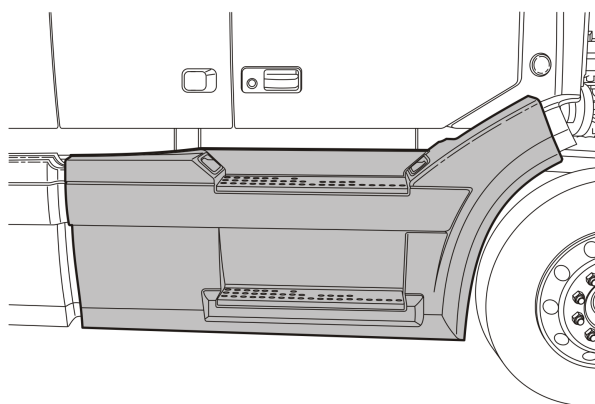
W2006483

- 4**  
Secure harness and sensor lead with tie straps.



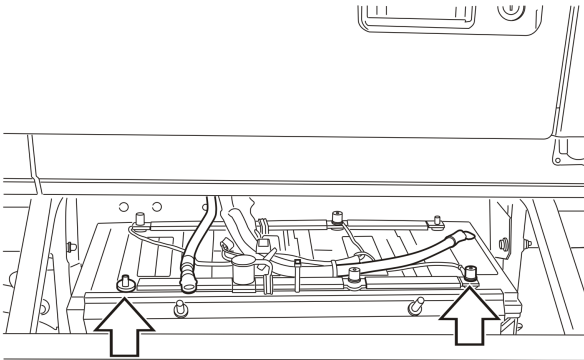
W2006482

- 5**  
Reinstall the right side chassis fairing, if equipped.



W2005915

- 6**  
Install all previously removed cables to the ground (negative) battery terminals.



W3007761