

# Authorized Field Change

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**AFC G-05909**

**Date:** May, 2006

**Subject File:** ENGINE

**Subject:** Engine Reconfiguration and New Exhaust Emission Label for VT 365 Engines, ESN 0112360 through 141748, with Feature Code 12990 used in Truck Models Built Between February 10, 2004 and September 7, 2004

Model: 1652 SC

Model: 4200

Engine Family: VT 365

Unit Code: 12990

SN Range: 2.8g NHMC+NOX (before 141748)

## DESCRIPTION

**NOTE – If the customer's vehicle is registered in the State of California, Authorized Field Change G-05909 does not apply. Do not perform this Service Procedure.**

**Authorized Field Change G-05909 is specifically for vehicles not registered in the State of California.**

The Environmental Protection Agency (EPA) issued a new Clean Fuel Fleet (CFF)/Low Emission Vehicle (LEV) Certificate of Conformity for 2004 Model Year engines. The new certification impacts all 2.8g NMHC+NOx family emission limits (FEL) engines built with feature code 12990. Engines with feature code 12990, sold as LEV units before September 7, 2004 did not have the correct engine configuration and/or certification label.

2.8g NMHC+NOx FEL engines built prior to engine serial number (ESN) 141748 require reconfiguration of engine hardware, new calibration, removal of FEL and installation of new emission label.

Engines with feature code 12990 can be reconfigured and re-labeled as described below.

## PARTS INFORMATION

Table 1 Required Engine Reconfiguration Components

Part Number	Description	Quantity
8000876R91	Right Exhaust Tube Kit Contains the Following: 1845235C1, Tube Assembly, Exhaust Right (1) 1821640C1, Bolt, Exhaust Flange, M8 X 60MM (2) 40066R1, Nut, M8 HF Lock (4) 1817958C1, Bolt, M8 X 30 MM (2) 1839620C4, Gasket, Exhaust Tube (1)	1
1845354C1	Exhaust Emission Label for 4200 Model <b>Not for 1652 Stripped Chassis</b>	1
1855379C1	Exhaust Emission Label for 1652 Series Stripped Chassis Model	1

## SERVICE PROCEDURE



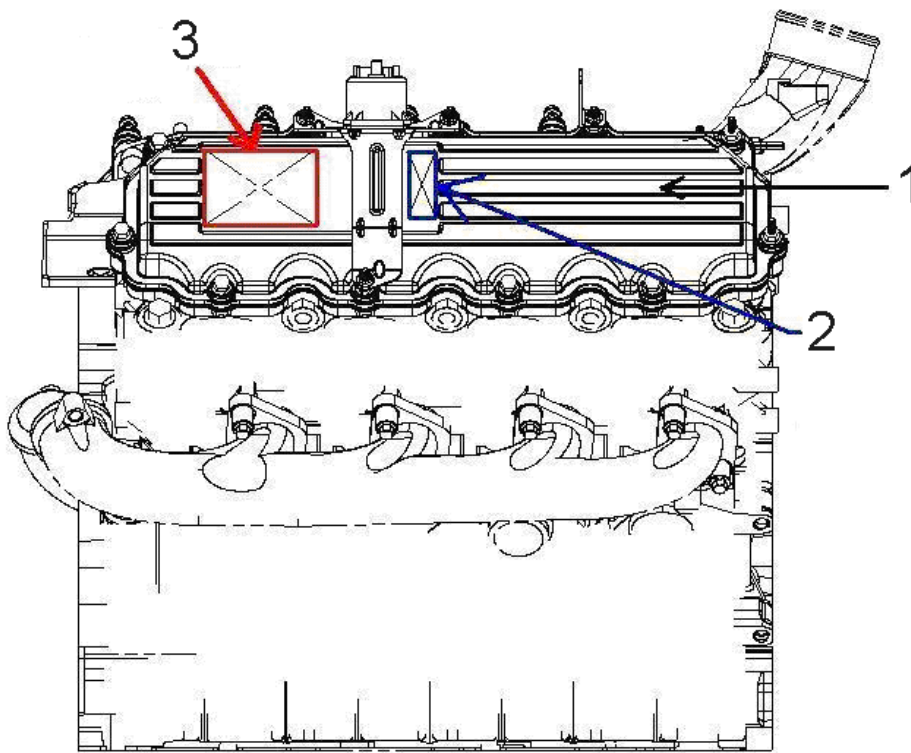
**WARNING** – To avoid property damage, personal injury, or death, park the vehicle on a flat level surface, set the parking brake, turn the engine off, and chock the wheels.

### 2.8G NOx certified engines built prior to ESN 141748

1. Remove and replace the right exhaust tube assembly following the instructions in the VT 365 Engine Service Manual. Tighten the fasteners to specification.
2. Recalibrate to **PRG2PJ52.BIN**.
3. Remove current Exhaust Emission Label and Family Emission Label and install new Exhaust Emission Label. Refer to Figure 1 and Figure 2 for label position depending on the vehicle being serviced.

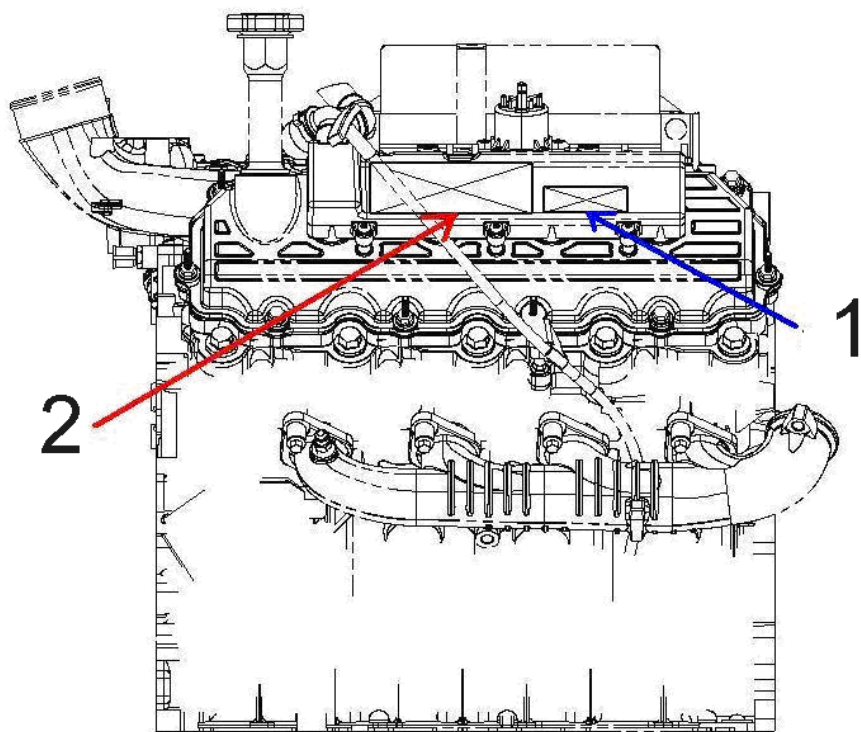
**NOTE:** Prior to applying the new label, the surface must be dry, clean and free of dirt, grease, and other foreign matter.

- A. International LEV 4200 Model, **excluding 1652 Stripped Chassis**, require Exhaust Emission Label 1845354C1 (See Figure 1).
- B. International 1652 Series Stripped Chassis LEV models require Exhaust Emission Label 1855379C1 (See Figure 2).



**Figure 1 Label Position on Right Side Of Engine, 4200 Model, Excludes 1652 Stripped Chassis**

1. Right Side Valve Cover
2. Family Emission Label (FEL) to be Removed
3. New Exhaust Emission Label Position



**Figure 2 Label Position on Right Side of Engine, 1652 Stripped Chassis Model**

1. Family Emission Label to be Removed
2. New Exhaust Emission Label Position

Operation number must appear on all claims.

**Table 2 Labor Information**

Operation No.	Description	Time
A40-05909-1	Reconfigure 2.8g NOX Engine Prior to SN 141748 and Recalibrate Engine, Replace Label	1.8 Hrs.

## ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number G-05909.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Manual, Section 7-1. Special attention should be given to Items 39 through 44.

To assure this important improvement is made in a timely manner, all claims for G-05909 activity must be submitted by May 31, 2007 or within the normal warranty period for the vehicle, if after May 31, 2007.

GROUP	NOUN	C	WARR.	TP	PAD
GROUP Enter number G—	NOUN Leave blank	C (CAUSE) Enter either 1, 2, 3. (see below)	WARRANTY (Warranty Code) Enter 40.	TYPE PART Enter P for type part causing failure.	PAD Enter 100
		1. Inspected (No repair required).			
		2. Inspected and repaired.			
		3. Defective part from parts stock.			

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