

VEHICLE RECALL

G-99514-R2
July 2005

SUBJECT: RECALL (U.S.)
EPA Low NOx Rebuild Information on Overhauled Engines

REVISION DESCRIPTION

Recently, the California Air Resources Board mailed a letter to certain owners of trucks with diesel engines. This letter instructs the owner that, "installation of this software on eligible vehicles is required by a California Air Resources Board (ARB) regulation effective March 21, 2005."

This letter was sent to ALL owners of diesel engine vehicles built between 1993 and 1998 and may mislead owners of International vehicles to believe their vehicle is involved in this campaign.

Only those International vehicles marked in ISIS as requiring this campaign are eligible for the Low NOx Rebuild Kit.

A copy of the ARB letter is attached in ISIS.

ALWAYS ENSURE VEHICLE MEETS THE CRITERIA IN THIS VEHICLE RECALL LETTER AND IS MARKED IN ISIS BEFORE PERFORMING THIS CAMPAIGN.

See below for an explanation of the ARB letter to help in taking customer calls:

Page 1 of the ARB letter contains the following table:

Table 1 Required Installation Dates for Low NOx Rebuild Kit

Engine Model Year	Required Installation Date for Low NOx Rebuild Kit
1993 and 1994	April 30, 2005*
1995 and 1996	August 31, 2005
1997 and 1998 other than MHDDE	December 31, 2005
1997 and 1998 MHDDE	December 31, 2006
*Citations will not be issued until June 30, 2005	

This table may cause owners to call and schedule an appointment. Please refer them to page 5 and 7 of the ARB letter.

Enclosure 1

Questions and Answers

How do I tell if my engines are affected?

Most 1993-1998 heavy-duty diesel engines are affected. Check the engine manufacturer and engine model in your truck if you have a 1993-1998 model year, electronically-controlled, engine. Compare your engine manufacturer and model with the attached List of Low NOx Rebuild Engines. If you find your engine on the list, low NOx engine software is available for your engine. Your service outlet may be contacted to determine whether or not your engine is eligible or has already been reprogrammed with low NOx engine software. Some 1998 model year engines that must also get the software are in 1999 model year vehicles.

Figure A – Found on 5th page of ARB letter.

Page 5 of the ARB letter instructs owners to, “**Compare your engine manufacturer and model with the attached List of Low NOx Rebuild Engines.**”

A review of the attached list on page 7 of the ARB letter indicates the following:

Manufacturer 1993-1998	Model 1993-1998	Engine Family Number (EFN)
Navistar/International 1998	DT 466E	EFN: WNVXH0466FNA
Navistar/International 1998	DT 466E	EFN: WNVXH0466CCB, WNVXH0466FNC
Navistar/International 1998	DT 466E	EFN: WNVXH0466CCD
Navistar/International 1998	530E	EFN: WNVXH0530FNA, WNVXH0530CCB
Navistar/International 1998	530E	EFN: WNVXH0530FNC, WNVXH0530CCD
Volvo 1994-1998	VE D12	Engine Family Name (EFNA) DVT12 E10BPA

Figure B – Found on 7th page of the ARB letter.

Page 7 indicates the correct International MY1998 I6 engines and EPA Family numbers.

The information contained in the ARB letter is NOT in conflict with the current Service Procedure for this campaign. Some vehicle owners, however, may misinterpret the ARB letter and believe their vehicle is involved when it ~~may~~ is not ~~be~~.

If you believe a vehicle should be involved in this campaign, but it is not marked in ISIS, please contact Tech Service for more information.

CAMPAIGN DESCRIPTION

International Truck and Engine Corporation has entered into an agreement with the U.S. Environmental Protection Agency (EPA). This letter is being issued to meet certain requirements of the consent decree, thus making International Dealers and engine re-builders aware of their responsibility when certain International engines receive major repairs or overhaul.

Attached to this letter is the following information:

- Letter to International's California Dealers and Service Managers
(*This attachment was only mailed to International's dealers in the State of California.*)
- G-99514 Recalibration Fax Form
- Letter from U.S. EPA

This complete letter and attachments must be filed with safety recall letters under G-99514, and be maintained indefinitely.

Please read these letters carefully, as the procedures are unique. Should you have any questions, please contact your customer service engineer (CSE).

MODELS INVOLVED

Engine Family: International DT 466E Engine Model Year 1998 Federal and California Engines Only

EPA Emission Family Names (found on emission label on valve cover):
WNVXH0466FNA, WNVXH0466CCB, WNVXH0466FNC, WNVXH0466CCD

Engine Family: International 530E Engine Model Year 1998 Federal and California Engines Only

EPA Emission Family Names (found on emission label on valve cover):
WNVXH0530FNA, WNVXH0530CCB, WNVXH0530FNC, WNVXH0530CCD

The above engines were used in truck model series 2000, 3000, 4000, 5000, 8000.

OWNER NOTIFICATION

International Truck and Engine Corporation has NOT notified customers of the availability of the Engine Software Upgrades. Dealers are to inform owners of vehicles involved in this recall, of the availability of the software upgrade at the time of an engine overhaul. See **SERVICE PROCEDURE** to determine when the Engine Software Upgrade is required.

SERVICE PROCEDURE

DISABLING ECM CRUISE POWER FEATURE

This ECM recalibration will disable the Cruise Power feature as required by an agreement between International Truck and Engine Corporation, the United States EPA, and the California Air Resources Board. It is the engine rebuilder's responsibility to ensure that a Low NOx Calibration is flashed whenever a listed engine is rebuilt. Non-compliance with the Low NOx Rebuild requirements may be treated as tampering under the Clean Air Act.

To perform the Low NOx Reflash, International Service Centers will recalibrate the Diamond Logic* controller to remove the Cruise Power feature when servicing the engine at any of the following events:

FOR ALL STATES

- Any listed engine which when rebuilt has accumulated more than 185,000 miles; or
- Any listed engine which when rebuilt has less than 185,000 miles and requires replacement or reconditioning of more than one piston assembly, cylinder liner, connecting rod, or piston ringset in all of the engine's cylinders.

ADDITIONAL REQUIREMENTS FOR THE STATE OF CALIFORNIA

- Whenever the owner/operator of any CALIFORNIA REGISTERED vehicle that is involved in this recall, requests installation of a Low NOx Engine Software Upgrade; or
- If, as part of a regular service visit, the owner/operator of a CALIFORNIA REGISTERED vehicle that is involved in this recall agrees to the installation of a Low NOx Engine Software Upgrade.

International Service Centers will offer and install, at no cost to the owner or nonaffiliated engine rebuilder, a Low NOx Engine Software Upgrade upon request or anytime parts normally involved in rebuilding or overhauling an engine are purchased from that dealer, distributor, repair or rebuild facility.

INSPECTION / REPAIR PROCEDURE

1. ECM reprogramming will be conducted through Navistar Electronic Technical Support (NETS) at qualified facilities only. This procedure must be used for any owner or nonaffiliated engine rebuilder.
2. For vehicles **not** registered in the state of California, utilize the attached FAX form; reproduce, complete, and fax the request to Vehicle Programming per instructions on the form. Upon confirmation of the request from Vehicle Programming, perform the NETS upload/download using the normal procedure.
 - a. ***For vehicles registered in the state of California, the attached FAX form is NOT required. The new calibrations are already available for you to perform the NETS upload/download.***
3. New calibration numbers are listed below. For International DT466E calibration numbers (See Table 1), and for 530E engines (See Table 2). Reprogramming may take approximately thirty (30) minutes. Should you have questions concerning these procedures of programming, call Vehicle Programming at 1-800-336-4500, press Option 2, then Option 3.
4. Upon completion of the reprogramming, a "Campaign Identification Label" must be attached on the driver's side door pillar near the VIN plate. Using the spaces provided on the label, indicate the campaign number, VIN, Engine Serial Number, and Service Location Code who reprogrammed the ECM.

Table 1 International DT 466E ECM Calibration Numbers

<i>Application</i>	<i>DT 466E Standard Torque Federal</i>	<i>DT 466E Standard Torque California</i>	<i>DT 466E High Torque Federal</i>	<i>DT 466E High Torque California</i>
Old Calibration Numbers For Engine Family	PFB1AF00	PCB1AF00	PFB2AF00	PCB2AF00
	PFB1AF01	PCB1AF01	PFB2AF01	PCB2AF01
	PFB1AG00	PCB1AG00	PFB2AG00	PCB2AG00
	PFB1AG01		PFB2AG01	PCB2AG01
			PFB2AG02	
New Calibration Number (Replace Old Number If Listed Above)	PFB1AG10	PCB1AG10	PFB2AG10	PCB2AG10

Table 2 International 530E ECM Calibration Numbers

<i>Application</i>	<i>International 530E Governed Power Federal</i>	<i>International 530E Governed Power California</i>	<i>International 530E High Torque Federal</i>	<i>International 530E High Torque California</i>
Old Calibration Numbers For Engine Family	PFB5AF00	PCB5AF00	PFB6AF00	PCB6AF00
	PFB5AF01	PCB5AF01	PFB6AF01	PCB6AF01
	PFB5AG00	PCB5AG00	PFB6AF02	PCB6AF02
			PFB6AG00	PCB6AG00
New Calibration Number (Replace Old Number If Listed Above)	PFB5AG10	PCB5AG10	PFB6AG10	PCB6AG10

Bolded text Indicates New Calibration Numbers

END OF SERVICE PROCEDURE

LABOR INFORMATION

<u>Operation No.</u>	<u>Description</u>	<u>Time</u>
A40-99514-2	Reprogram ECM	0.9 Hr

CAMPAIGN IDENTIFICATION LABEL

Each vehicle corrected in accordance with this campaign **must be** marked with a CTS-1075 Campaign Identification Label.

Complete the label and attach on a clean surface next to the vehicle identification number (VIN) plate.

DO NOT REMOVE

INTERNATIONAL

Campaign No. _____

VIN _____

Eng.# _____

COMPLETED

Service Location Code # _____

DO NOT REMOVE

WARRANTY CLAIMS

Refer to Dealer Warranty Manual for procedures to conduct Recall Campaigns.

It is important that the Recall 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:

GROUP	NOUN	C	WARR.	TP	PAD

GROUP Enter number G— _____

NOUN Leave blank _____

C (CAUSE) Enter either 1, 2, 3. (see below)

1. Inspected (No repair required).

2. Inspected and repaired.

3. Defective part from parts stock.

WARRANTY (Warranty Code) Enter 40. _____

TYPE PART Enter P for type part causing failure. _____

PAD Enter 100 _____

INTERNATIONAL TRUCK AND ENGINE CORPORATION