

Authorized Field Change

AFC G-07917

Date: February, 2008

Subject File: Engine

Subject: Aftertreatment Calibration and Enhanced Diagnosis

Engine Family: MaxxForce DT, 9 and 10

Start Date: 03/01/2007 End Date: 11/27/2007

DESCRIPTION

This AFC applies to all trucks and or buses that are equipped with MaxxForce DT, 9 and 10 engines.

Some engines in the date range above have experienced unnecessary warning lights, unsuccessful DPF regeneration and/or the need for frequent regens. This software upgrade addresses these issues and provides additional improvements.

PROCEDURE



WARNING – To avoid personal injury or death, shift transmission to park or neutral, set parking brake, and block wheels before doing diagnostic or service procedures.

First check to see if the ECM has latest software that applies to the engine you are working on.

DLC Auto Upgrade is a software program that enables users to upgrade the calibration on all engine controllers produced after three box systems. This software allows users to upgrade engine calibrations without having to use the NETS system and required internet connections. DLC Auto Upgrade allows a technician to program the latest engine calibration in up to 75 trucks within a 72 hour period without connecting to the Internet.

IF YOU HAVEN'T ALREADY DOWNLOADED DLC AUTO UPGRADE, FOLLOW THESE INSTRUCTIONS

DLC Auto Upgrade is available at the Download Center. Look for the program labeled **AutoUpgradeEngine**. Click here for instructions about how to use the Download Center. . After installing the program. use the following instructions as a users guide.

1. Launch DLC Auto Upgrade from Engine Diags on the EZ-Tech GUI (Figure 1).

PROCEDURE (CONT.)



Figure 1

2. Log in to the DLC Auto Upgrade program with your username and password (Figure 2). (Requires DLB certified username permission level.)



Figure 2

3. Select the cable that you will be using (Figure 3).

NOTE – DLC Auto Upgrade will only program in high speed mode when the IC4USB cable is used.

PROCEDURE (CONT.)

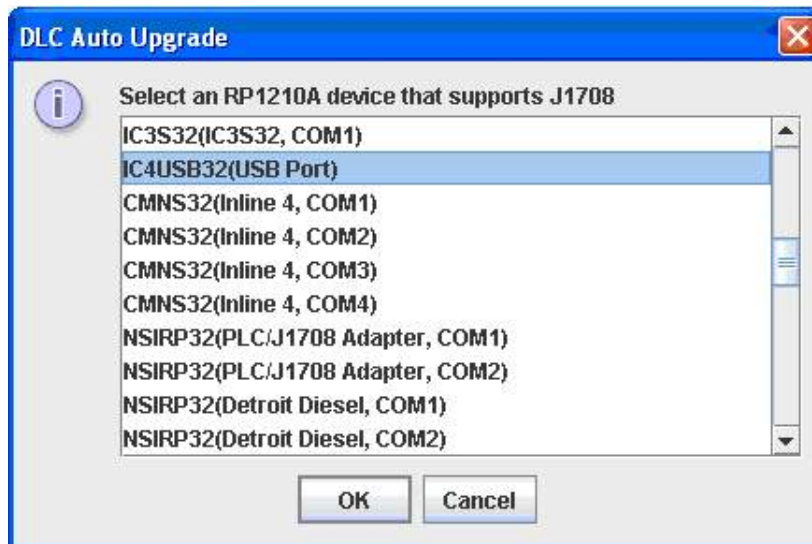


Figure 3

4. Connect the communication cable to the vehicle.
5. Connect the International Engine Reprogramming Harness with the switch in the **OFF** position. SFN 07-29 describes how to use and connect the harness.
6. Press the Start button (Figure 4).



Figure 4

7. Turn the International Engine Reprogramming Harness ON when the DLC Auto Upgrade program prompts for the Ignition Key ON (Figure 5).

PROCEDURE (CONT.)



Figure 5

8. Turn the harness OFF when the program prompts for the Ignition Key OFF (Figure 6).



Figure 6

9. Turn the harness ON when the program prompts for the Ignition Key ON (Figure 7).



Figure 7

PROCEDURE (CONT.)

NOTE – If the calibration doesn't need upgraded, the program will say "No upgrade available" (Figure 8).

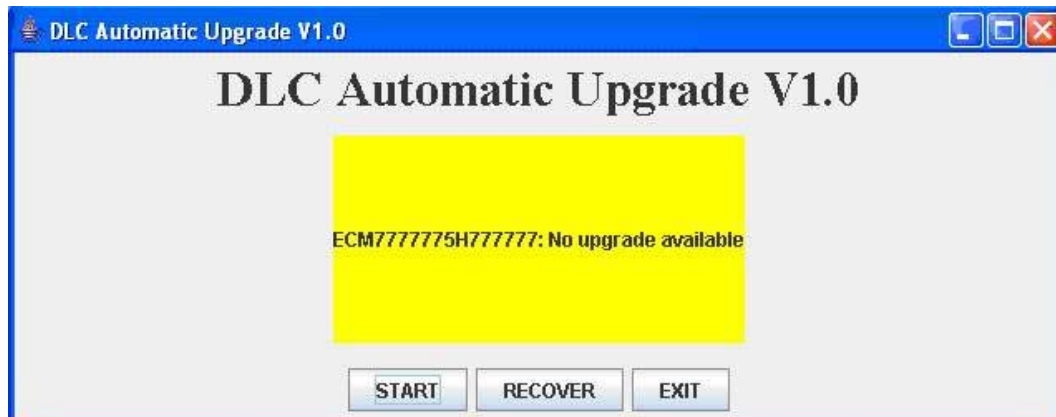


Figure 8

10. Turn the harness OFF when the program prompts for the Ignition Key OFF (Figure 9).



Figure 9

11. Turn the harness ON when the program prompts for the Ignition Key ON (Figure 10).

PROCEDURE (CONT.)



Figure 10

12. Turn the harness OFF when the program prompts for the Ignition Key OFF (Figure 11).



Figure 11

13. The update is complete (Figure 12).

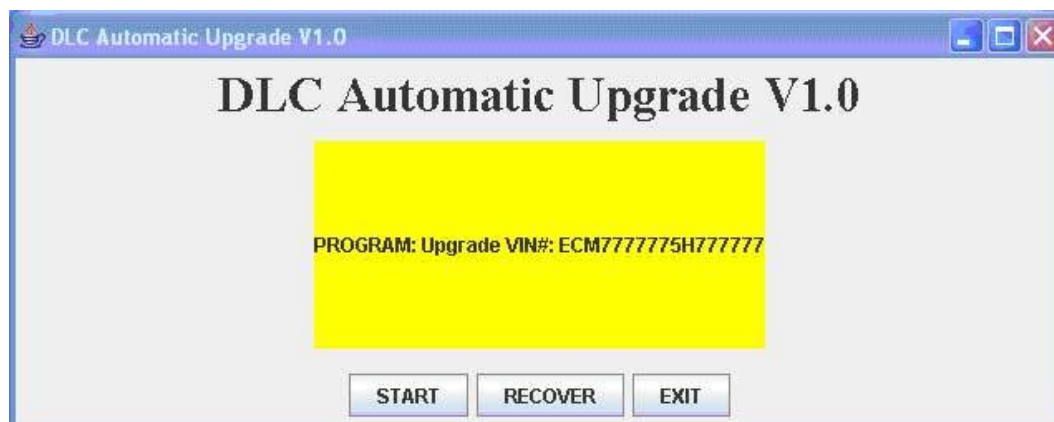


Figure 12

PROCEDURE (CONT.)

14. Disconnect the harness and reinsert the ECM power fuse that you were instructed to remove when you went through the instructions in SFN-07-29.
15. Turn the vehicle ignition key on.
16. Verify the program is complete by checking Service Assistant (Master Diagnostics) for any active DTCs.

NOTE – If there is an error during programming you will have to fix the problem (i.e.; battery voltage, cable is accidentally disconnected, laptop's battery is low and the laptop turns off, etc.) select the VIN.exe file in the recover menu.



Figure 13 Example of Error



Figure 14 Select the VIN.exe and press OK

Contact Vehicle Programming at 1-800-336-4500 option 2 then option 3 for help and assistance.

Operation number must appear on all claims.

Table 1 Labor Information

Operation No.	Description	Time
A40-07917-1	ECM Re-Flash	0.4

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-07917.

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-07917 activity must be submitted by February 28, 2009 or within the normal warranty period for the vehicle, if after February 28, 2009.

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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