

# Authorized Field Change

AFC 10915

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**Date:** August, 2010

**Subject File:** Engine

**Subject:** Turbocharger Actuators on Certain MaxxForce® DT Engines

Model: 4300 4X2

Start Date: 03/25/2010 End Date: 04/29/2010

Model: 4400 4X2

Start Date: 03/25/2010 End Date: 04/29/2010

Model: 7300 4X4

Start Date: 03/25/2010 End Date: 04/29/2010

Model: 7400 4X2

Start Date: 03/25/2010 End Date: 04/29/2010

Model: 7400 4X4

Start Date: 03/25/2010 End Date: 04/29/2010

Model: 7400 6X4

Start Date: 03/25/2010 End Date: 04/29/2010

Model: 7500 4X2

Start Date: 03/25/2010 End Date: 04/29/2010

Model: 7500 6X4

Start Date: 03/25/2010 End Date: 04/29/2010

Model: CE S Bus

Start Date: 03/25/2010 End Date: 04/29/2010

Engine Family: MaxxForce DT

## DESCRIPTION

Certain vehicles listed above that were built with MaxxForce DT engines between 3/25/2010 and 4/29/2010 may experience premature failure of the turbo actuator due to insufficient internal lubrication during manufacturing.


This campaign will require the replacement of the turbo actuator.

# PARTS INFORMATION


Table 1 **Parts Information**


Part Number	Description	Quantity
1881150C92	Turbo Actuator Kit	1

## PROCEDURE

 **WARNING** – To prevent vehicle damage, personal injury, or death, park the vehicle on a flat, level surface. Make sure the engine ignition is in the off position, and the transmission is in neutral or in the park position, if the vehicle is equipped with an automatic transmission. Set the parking brake and chock the wheels before doing any service procedures on the engine or vehicle.

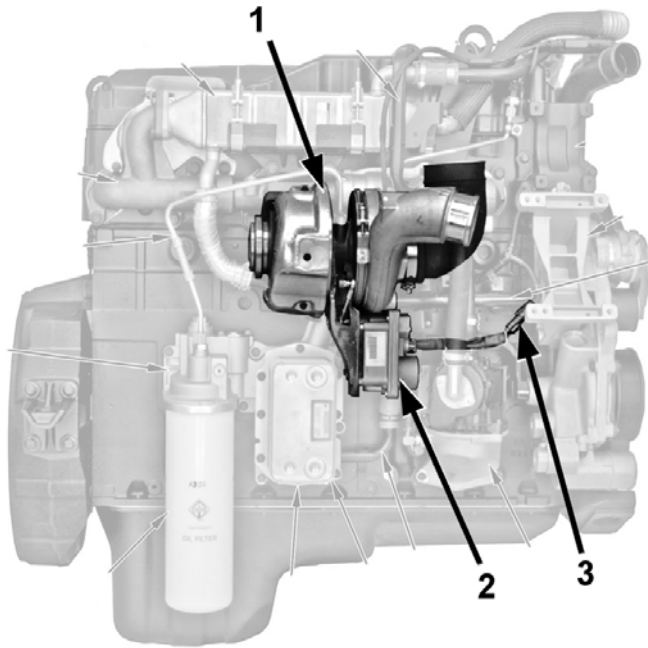
 **WARNING** – To prevent personal injury or death, make sure that the engine has cooled before removing components.

 **WARNING** – To prevent personal injury or death, always wear safe eye protection when performing vehicle maintenance.

 **WARNING** – To prevent personal injury or death, do not let engine fluids stay on your skin. Clean skin and nails using hand cleaner and wash with soap and water. Wash or discard clothing and rags contaminated with engine fluids.

1. Shift vehicle transmission to park or neutral, set parking brake, and install wheel chocks.
2. Raise hood assembly.
3. If vehicle's passenger side fender extension limits access to the area of the turbocharger actuator, remove it and set it aside.
4. If vehicle is equipped with a passenger side engine splash shield, remove it and set it aside.
5. Disconnect turbocharger actuator wire harness at connector (Figure 1).

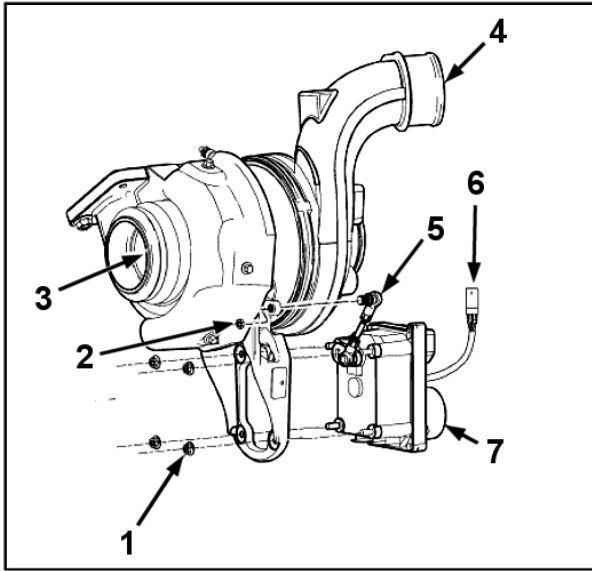
## PROCEDURE (CONT.)



**Figure 1 Component Locations**

1. TURBOCHARGER
  2. TURBOCHARGER ACTUATOR
  3. ACTUATOR HARNESS CONNECTOR
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6. Disconnect turbocharger actuator linkage from the turbocharger (Figure 2).
  7. Remove turbocharger actuator by removing four (4) lock nuts securing actuator to mounting bracket (Figure 2). Discard the lock nuts.

## PROCEDURE (CONT.)



**Figure 2 Turbocharger Assembly Components**

1. LOCK NUT (QTY 4)
  2. NUT FOR ACTUATOR LINKAGE
  3. TURBOCHARGER COMPRESSOR OUTLET
  4. TURBOCHARGER TURBINE OUTLET
  5. TURBOCHARGER ACTUATOR LINKAGE
  6. ACTUATOR HARNESS CONNECTOR
  7. TURBOCHARGER ACTUATOR
8. Use the four (4) lock nuts provided in the parts kit to secure the new turbocharger actuator to its mounting bracket (Figure 2). Torque to 120 lbf-in (14 N•m).
  9. Connect turbocharger actuator linkage to the turbocharger.
  10. Connect turbocharger actuator wire harness at connector (Figure 1) and secure with lock tab.
  11. Perform turbocharger control module key-off and precycle test to verify that the actuator goes through its start-up cycle.
  12. If the passenger side engine splash shield was removed earlier, install it at this time.
  13. If the passenger side fender extension was removed earlier, install it at this time.
  14. Close and latch hood.
  15. Remove wheel chocks.

Operation number must appear on all claims.

**Table 2 Labor Information**

Operation No.	Description	Time
A40-10915-1	Replace Turbocharger Actuator	0.9 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-10915.

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-10915 activity must be submitted by August 31, 2011 or within the normal warranty period for the vehicle, if after August 31, 2011.

	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						

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