

Authorized Field Change



AFC 12941

Date: May 2013

Subject File: Engine

Subject: UVC Injector Harness Spread Terminals

Model: DuraStar®, TerraStar®, and AC C, BE S, CE C, CE S, HC C Bus

Start Date: 18 August 2010 End Date: 18 October 2011

Engine Family: MaxxForce® 7

DESCRIPTION

The bus and truck models listed above were built with MaxxForce® 7 engines between 18 August 2010 and 18 October 2011. Vehicles may incur Engine Warning Light with fault codes or engine misfire due to open injector circuits caused by spread terminals on the Under Valve Cover (UVC) Injector Harness. This campaign will require replacement of the two UVC Injector Harnesses.

This AFC applies only to vehicles marked in International® Service PortalSM with AFC 12941.

Table 1. Tools Information

Part Number	Description	Quantity
ZTSE6074	Injector Connector Release Tool	1
ZTSE4773	Fuel Return Line Disconnect Tool	1
Obtain Locally	P-80® Rubber Lubricant (Or Equivalent)	1

PARTS INFORMATION

Table 2. Parts Information

Part Number	Description	Quantity
2510847C91	Kit, Repair-UVC Injector Harness	1

PARTS INFORMATION (CONT.)

Table 3. **Service Manual Reference**

Description	Service Manual	Section
Remove Fuel Filter and Cooler Assembly for Access	2010 MaxxForce® 7 Engine Service Manual	Fuel System
Remove Compressor for Access	Service Manual, HVAC 2010, TerraStar®, and 3200 Bus 2010 MaxxForce® 7 Engine Service Manual	Compressor / Clutch Air Compressor and Power Steering Pump
Under Valve Cover (UVC) Harnesses	2010 MaxxForce® 7 Engine Service Manual	Engine Electrical
Clear Codes	2010 MaxxForce® 7 Engine Diagnostic Manual	Engine Diagnostic

SERVICE PROCEDURE



WARNING: Park vehicle on hard flat surface, turn the engine off, set the parking brake, and block the wheels to prevent the vehicle from moving in both directions. Failure to do so may result in property damage, personal injury, and / or death.



WARNING: If the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over, potentially resulting in property damage, personal injury, and / or death.



WARNING: Always wear safe eye protection when performing vehicle maintenance. Failure to do so may result in personal injury and / or death.



WARNING: Keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases. Failure to do so may result in property damage, personal injury, and / or death.



WARNING: Remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last. Failure to do so may result in property damage, personal injury, and / or death.

NOTE: Refer to 2010 MaxxForce® 7 Engine Service Manual for complete under valve cover (UVC) harnesses disassembly instructions.

NOTE: Dependent on vehicle engine build specification, additional engine mounted accessories, refrigerant compressors, air compressors, alternators, and / or accessories may require removal to allow access to or removal of engine valve covers.

UVC INJECTOR HARNESS INSTALLATION - RIGHT

NOTE: Refer to 2010 MaxxForce® 7 Engine Service Manual, for complete safety procedures, assembly instruction and torque specifications.

1. Bring truck into shop and park on flat surface.
2. Shift transmission to Park or Neutral, set parking brake, and install wheel chocks.
3. Turn engine OFF.

UVC INJECTOR HARNESS INSTALLATION - RIGHT (CONT.)

4. Using ZTSE6074, install new right-side UVC injector harness from kit.
5. Refer to 2010 MaxxForce® 7 Engine Service Manual to perform under valve cover (UVC) harnesses assembly.

UVC INJECTOR HARNESS INSTALLATION - LEFT

NOTE: Refer to 2010 MaxxForce® 7 Engine Service Manual, for complete safety procedures, assembly instruction and torque specifications.

1. Using ZTSE6074, install new left-side UVC injector harness from kit.
2. Refer to 2010 MaxxForce® 7 Engine Service Manual to perform under valve cover (UVC) harnesses assembly.
3. Release parking brake and remove wheel chocks.
4. Start engine and verify proper engine operation, no leaks found, and no fault codes present.

LABOR INFORMATION

Operation number must appear on all claims.

Table 4. Labor Information

Operation No.	Description	Time
A40-12941-1	Replace UVC Harness on 2010 MaxxForce® 7 CE and BE Bus	4.1 hrs
A40-12941-2	Replace UVC Harness on 2010 MaxxForce® 7 DuraStar®	4.2 hrs
A40-12941-3	Replace UVC Harness on 2010 MaxxForce® 7 TerraStar®, AC and HC Bus	4.3 hrs
A40-12941-4	Additional Labor for Units Equipped with Air Compressor	0.4 hr

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 12941.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

As with all claim submissions, items acquired locally must be submitted in the "Other Charges" tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To ensure this important improvement is made in a timely manner, all claims for 12941 activity must be submitted by 31 May 2014 or within the normal warranty period for the vehicle, if after 31 May 2014.

GROUP	NOUN	C	WARR.	TP	PAD

GROUP — Enter number ←

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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