

MODEL:	TYPE:	SECTION/GROUP:	DATE:
<b>D Coaches</b>	<b>Field Change Program</b>	<b>08- Engine</b>	

Ref. MCI NHTSA Recall No.: 18V-309

Ref. MCI Transport Canada Recall No.: 2018-256

### **Customer Complaint:**

On model year 2011 – 2016 MCI D model coaches with Cummins ISX engines, the exhaust pipe assembly between the engine turbo charger and the exhaust after treatment has a bellows welded into the pipe assembly to accommodate relative movement between the engine and the engine after treatment system. The exhaust bellows pipe on those vehicles may be experiencing premature metal fatigue resulting in an exhaust leak. Should the pipe fail and a regeneration event occur, the exhaust gases could cause a fire, potentially causing personal injury and/or property damage.

### **Cause:**

The cause is due to the exhaust pipe bellows vibrating in some operating conditions, resulting in reduced life of the bellows.

### **Corrective Action:**

MCI strongly urges owners of the affected coaches to have the following procedure performed as soon as possible. The new exhaust pipe assembly incorporates a new heavy duty bellows that eliminates premature leaks



***Read this entire procedure before beginning work.***

***Use Safe Shop Practices At All Times.***

***To avoid personal injury:***

- a. Turn the main battery disconnect switch to the OFF position.***
- b. Ensure that both the front and the rear wheels are chocked.***
- c. Position the ENGINE RUN and ENGINE START switches on the engine compartment remote control box to the OFF position.***
- d. Allow enough time for components to cool down prior to working in the engine compartment.***

## 1.0 Material requirements

ITEM	PART NO.	QTY	U/M	DESCRIPTION
1	WT08-1379	1	EA	Exhaust Pipe Kit, Diesel Engine
2	WT08-1380	1	EA	Exhaust Pipe Kit, CNG Gas Engine

Note: Some of the parts required in the kit are long lead time items.

## 2.0 Reference documents

NONE

## 3.0 Special Tools.

NONE

## 4.0 Rework Instruction

### 4.1 Remove the Original Exhaust Pipe

Access the engine compartment from the street side compartment door.



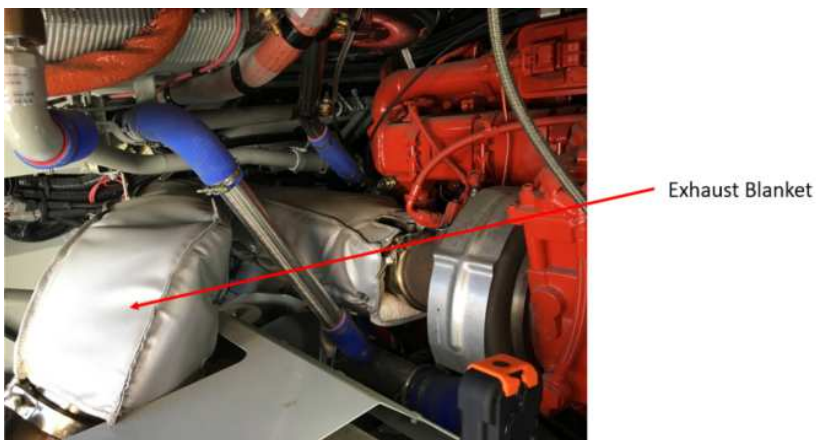
Locate and remove the two exhaust pipe clamps and the support bracket fastener. Remove the exhaust pipe from the vehicle.



Remove and clean the old gasket material from the turbo flange and the aftertreatment assembly flange.

## 4.2 Prepare For Installation

Remove the exhaust blanket from the existing exhaust pipe and install it on the new exhaust pipe.

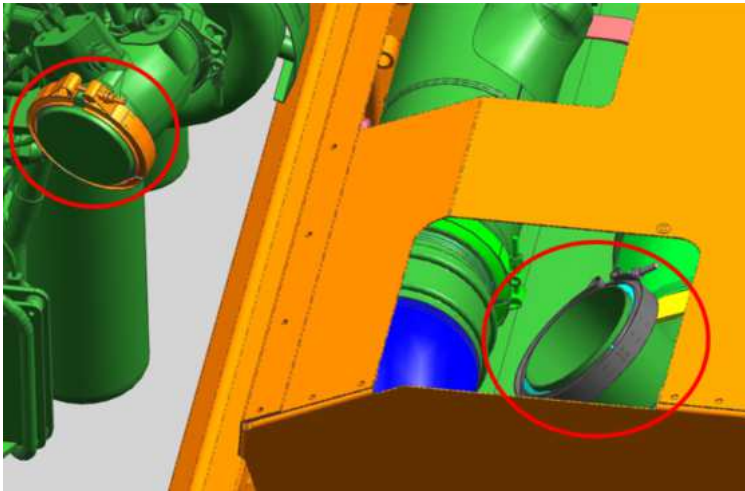


Secure the blanket on the new pipe using the insulation blanket hook and spring mechanisms. Ensure that there are no gaps or holes along the edge of the blanket seams. No hook element is to penetrate or be inside the surface.

## 4.3 Installation

### 4.3.1 Installing the New Exhaust Pipe

Place the new gaskets and clamps on the turbo flange and the aftertreatment flange.



- Place the new exhaust pipe between the turbo and the aftertreatment assembly.
- Torque the V-band clamps per the torque table below.
- Torque the support bracket fastener per the torque table below.

Torque Table:

PART	TORQUE
3/8" Cap screw, Pipe Supt	33-37 FT-LBS
4" Exhaust Clamp	86-95 IN-LBS
5" Exhaust Clamp	100-110 IN-LBS

### **4.3.2 Check for Leaks**

Start the engine and check for air leaks at the new pipe clamps. Re-torque clamps to remove any air leaks.

## **5.0 Testing and Validation**

After the installation is complete take the vehicle on a short road test and recheck for air leaks at the clamp joints. Re-torque clamps to remove any air leaks.



### **Field Change Program Conditions:**

The parts required for this change will be supplied without charge.

A labor allowance of 2 hours will be granted for this rework on affected D series coaches.

This labor allowance will be credited to your MCI Fleet Support Parts Account on receipt by MCI's Warranty department of the attached "MCI Field Change Program Verification Form" and a "Warranty Claim Form" as detailed in your Owner Warranty manual. An "MCI Field Change Program Verification Form" needs to be submitted for each VIN affected. Photocopy the attached "MCI Field Change Program Verification Form" as required for the number of affected coaches in your fleet.

Motor Coach apologizes for any inconvenience resulting from this campaign, but urges you to implement this change as soon as possible.

Sincerely,

Motor Coach Industries



### MCI FIELD CHANGE PROGRAM (FCP) VERIFICATION

<b>CONTACT INFORMATION</b>	
<b>CUSTOMER NAME:</b> _____	
<small>(PLEASE PRINT)</small>	
<b>FCP INFORMATION – ONE FORM PER UNIT</b>	
<b>FCP#:</b> _____ <b>Coach Model</b> _____ <b>Model Year</b> _____	
<b>COACH SERIAL #:</b> <small>(At least the last 5 digits)</small>	<b>DATE COMPLETED</b> ___ / ___ / ___
<b>MILEAGE:</b>	
<b>IMPORTANT: TO RECEIVE CREDIT FOR ANY ALLOWABLE LABOR CHARGES, THIS VERIFICATION FORM MUST BE RETURNED TO MCI UPON COMPLETION OF THE FCP.</b>	
<b>SUBMITTED BY: (Please Print)</b> _____	
	<b>DATE</b> ___ / ___ / ___
<b>TITLE: (Please Print)</b> _____	
<b>SIGNATURE:</b> _____	
<b>COMMENTS:</b>  	

**FAX TO: 800-360-8886**



To receive credit for the hours used to complete this task mail or fax the completed limited warranty claim form and verification form to MCI's warranty department, or photocopy and mail to:

**MCI Fleet Support**

**Attn: Warranty Department**

**7001 Universal Coach Drive Louisville, KY 40258**

**Fax Number 1-800-360-8886**

Contact the MCI Fleet Support Technical Center at 1-800-241-2947 for any further information.