



March 5, 2014

Ms. Nancy L. Lewis
 Associate Administrator for Enforcement
 NATIONAL HIGHWAY TRAFFIC SAFETY
 ADMINISTRATION
 Attn: Recall Management Division (NVS-215)
 1200 New Jersey Avenue, SE
 Washington, DC 20590

Re: Recall Notification – Orion VII Transit Buses equipped with Cummins ISL-G Engines

Dear Ms. Lewis:

On March 4, 2014 Daimler Buses North America (DBNA) determined that a potential defect relating to motor vehicle safety exists in certain 2007~2012 model year Orion VII transit buses equipped with Cummins ISL-G (Natural Gas) engines and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

Please note, this information is identical to 14E-003 furnished by Cummins Inc on February 12, 2014 (Cummins reference number C1462). Furthermore, Cummins Inc will be undertaking the customer notification, the remedy in the field and the quarterly completion report submission.

573.6(c)(1)

Name of manufacturer: Daimler Buses North America

Manufacturer's regulatory agent: Bill Nicolle
 WPN Services (on behalf of Daimler Buses North America)
 165 Base Road
 Oriskany, New York. 13424

573.6(c)(2)

Identification of potentially affected vehicles:

<u>Make/Model</u>	<u>Description</u>	<u>VIN Range/Dates of Manufacture</u>
Orion VII Transit bus	Certain 2007~2012 model year	1VHGH3W2376703380 / Jan. 2007 up to 1VHGH3W2XC6708439 / Oct. 2012

Description of the basis for the determination of the recall population:

The recall population was based on engine serial numbers provided by Cummins Inc. and DBNA manufacturing records. The VIN range reflects all possible vehicles that could potentially experience the problem.

573.6(c)(2)(iv)

Identification of affected component:

Component: Cummins ISL-G (Natural Gas) engines
Country of Origin: United States
Manufacturer: Cummins Inc / Cummins Westport Inc.
Contact Name: Mark L. Wilson, Director – Product Safety
Address: 500 Jackson Street, Columbus, IN. 47201.
Telephone No. : (812)377-7543

573.6(c)(3)

Total number of potentially affected vehicles: 455

573.6(c)(4)

Percentage of affected vehicles that contain the defect: 100%

573.6(c)(5)

Defect Description:

Ice from condensation may form in or around the intake manifold temperature/pressure sensor on engines operating in sub-freezing ambient temperatures without cold weather aids. This ice may interfere with the proper operation of the pressure sensor function of the intake manifold temperature/pressure sensor, causing the engine's ECM to improperly fuel the engine, resulting in elevated exhaust temperatures and the possibility of flame from the exhaust pipe. In most cases, this improper operation will result in the engine running rough and misfire, and will log diagnostic fault codes in the Engine Control Module that illuminate dash lamps.

During this improper operating condition, bystanders may be exposed to elevated exhaust temperatures or flames from the exhaust pipe, possibly resulting in burns. Combustible materials near the tail pipe may be ignited, resulting in a fire.

To date, no reports of injuries, fatalities, accidents or fires related to this condition have been received.

573.6(c)(6)

Chronology (as supplied by Cummins Inc. and noted in 14E-003):

- | | |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Jan.29, 2014 | Cummins Westport received notification from the field of two vehicles reporting flames from the exhaust. |
| Jan.29~Feb.9 | In response to these reports, Cummins Westport initiated a root cause investigation, including product testing, and was able to duplicate the reported condition. A Product Safety Hazard Analysis was also completed. |
| Feb.10, 2014 | Based upon the results of the root cause investigation and testing, Cummins and Cummins Westport decided to initiate this voluntary campaign to remedy the condition. A revised ECM calibration with improved diagnostics and controls functionality has been released for production and for service. |
| Feb. 12, 2014 | Cummins Inc. notified NHTSA and recall # 14E-003 was assigned. |
| Feb. 25, 2014 | Cummins Inc. notified Daimler Buses of North America (DBNA) of the defect. |
| Feb.26, 2014 | Cummins Inc. supplied DBNA with a total of 476 engine serial numbers for cross reference to vehicle VIN. |
| March 3, 2014 | DBNA supplied Cummins Inc. with 455 VIN's and 18 affected customer names and addresses. (The difference between 476 engines and 455 vehicles is accounted for by warranty replacements). |
| March 4, 2014 | DBNA determined a safety defect existed in certain Orion VII transit buses. |

573.6(c)(8)(i)

Program for remedying the defect:

Cummins Westport will notify affected DBNA customers of this defect and the potential safety consequences. Cummins will install a new ECM calibration, without charge, through the Cummins service network. The new ECM calibration has improved diagnostics to detect the improper intake manifold pressure sensor condition during freezing conditions and improved control logic to take appropriate fueling action under the freezing conditions.

573.6(c)(8)(ii)

The estimated date for preliminary notification to customers:	TDB by Cummins Inc.
The estimated date to provide service bulletin:	TDB by Cummins Inc.
The estimated date to begin sending notifications:	TDB by Cummins Inc.
The estimated date of completion of the notification:	TDB by Cummins Inc.

573.6(c)(9)

Representative copies of all notices, bulletins and other communications:

A copy of the service bulletin and text of the final customer notification letter will be submitted to your office as soon as possible by Cummins Inc.

573.6(c)(10)

Proposed owner notification letter submission:

A draft of the owner notification letter will be submitted to your office by Cummins Inc. as soon as possible.

573.6(c)(11)

Manufacturer's campaign number:

N/A.

Sincerely,

WPN Services (on behalf of Daimler Buses North America)



Bill Nicolle