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P: 260-461-1890
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May 19, 2010

Associate Administrator for Enforcement
National Highway Traffic Safety Administration
1200 New Jersey Avenue, SE
Washington D.C. 20590Subject: Defect Information Report (Revision 1)
Navistar Campaign 10505; NHTSA Recalls 10V-103, 10V-104

Dear Associate Administrator:

This revised defect information report is submitted pursuant to Part 573.6(a).

Meritor Wabco, the component manufacturer related to this recall, has provided Navistar a list of vehicles that were supplied with the suspect brake system electronic control units through their warranty program. Navistar is adding these vehicles to the recall's vehicle population.

(1) MANUFACTURER'S NAME [Part 573.6(c)(1)]

- Navistar, Inc for its INTERNATIONAL® brand vehicles and on behalf of IC Bus, LLC, a wholly owned subsidiary.

(2) IDENTIFICATION OF VEHICLES [Part 573.6(c)(2)]

- Vehicle Make / Model / Model Year Involved:
 - School Buses
 - IC Bus / BE / 2007, 2008, 2009, 2010, 2011
 - IC Bus / CE / 2005, 2006, 2007, 2008, 2009, 2010, 2011
 - IC Bus / FE / 2010
 - Non School Buses
 - INTERNATIONAL® / 1300 / 2006, 2007, 2008, 2009, 2010
 - INTERNATIONAL® / 3200 / 2007, 2008
 - INTERNATIONAL® / 3300 / 2005, 2006, 2007, 2008, 2009, 2010
 - INTERNATIONAL® / 4100 / 2010
 - INTERNATIONAL® / 4200 / 2008
 - INTERNATIONAL® / 4300 / 2007, 2008, 2009, 2010, 2011
 - INTERNATIONAL® / 4400 / 2010
 - INTERNATIONAL® / MXT / 2008
 - IC Bus / BE / 2007, 2008, 2010, 2011
 - IC Bus / CE / 2006, 2007, 2009, 2010, 2011
 - IC Bus / HC / 2007, 2008, 2009

- Vehicle Manufacturing Dates:
 - 11/19/03 thru 2/9/10
- Other Identification Necessary to Describe Vehicles:
 - Feature code 04085 Meritor WABCO hydraulic brake system.

(3) COMPONENT MANUFACTURER [Part 573.6(c)(2)(iv)]

- This report relates only to a component supplied by Meritor WABCO Vehicle Control Systems. Contact information is:

Alan Korn
 Meritor WABCO
 Vehicle Control Systems
 3331 W. Big Beaver Road
 Suite 300
 Troy, MI 48084
 T 248-435-4498
 E kornam@meritorauto.com

(4) VEHICLE POPULATION INVOLVED [Part 573.6 (c)(3)]

- School Buses

Model	Number of Suspect Vehicles		
	United States	Canada	Export
BE School Bus	405	12	0
CE School Bus	4610	1200	0
FE School Bus	1	0	0
Total Vehicles	5016	1212	0

- Non School Buses

Model	Number of Suspect Vehicles		
	United States	Canada	Export
1300	32	0	0
3200	3	0	0
3300 Bus	14	16	7
4100	2	0	0
4200	2	0	0
4300	11	3	0

Model	Number of Suspect Vehicles		
	United States	Canada	Export
4400	1	0	0
MXT	9	0	0
BE Commercial Bus	3	1	0
CE Commercial Bus	6	20	0
HC Commercial Bus	4	1	0
Total Vehicles	87	41	7

(5) *PERCENTAGE OF VEHICLES ESTIMATED TO CONTAIN THE DEFECT* [Part 573.6 (c)(4)]

- It is estimated that all (100%) of the vehicles in the suspect population could have the defect.

(6) *DESCRIPTION OF DEFECT* [Part 573.6 (c)(5)]

- The parking brake may release if the brake system electronic control unit software misinterprets input signals generated from cycling the ignition switch more than once at a specific frequency.
- Release of the parking brake may cause a sudden, unexpected shift in vehicle position possibly resulting in property damage, personal injury, or death.

(7) *CHRONOLOGY OF PRINCIPAL EVENTS WHICH LED TO DETERMINATION OF A SAFETY DEFECT or TEST RESULTS THAT LED TO DETERMINATION OF NONCOMPLIANCE* [Part 573.6 (c)(6)/(7)]

- 9/10/09 – Navistar Compliance received a single customer report of unexpected parking brake release during a diagnostic system check of an add-on aftermarket system that required multiple ignition switch cycles.
- 9/11/09 – Navistar was able to recreate the issue in laboratory tests by cycling the key at different frequencies. The issue could only be recreated at a very specific frequency. Navistar notified brake system supplier, Meritor WABCO.
- 9/18/09 – Meritor WABCO notified Navistar that their preliminary analysis indicated the root cause of the issue involves the Full Power plausibility check of the travel switch located in the Spring Apply/Hydraulic Release (SAHR) actuator.
- 9/19/09 thru 11/11/09 – Meritor WABCO develops software changes to contain the issue.
- 11/18/09 – Navistar met to review the severity of the issue and agreed to move forward with implementing the software containment action at Wabco.
- 11/19/09 thru 2/9/10 – Meritor WABCO prepares and implements software change into production at the Tulsa Bus plant.
- 2/15/10 – Navistar determines suspect vehicle population.
- 3/10/10 – Navistar declares a safety recall.
- 4/16/10 – Meritor WABCO notified Navistar that ECUs with the suspect software may have been installed on additional vehicles as part of their warranty program.

- 4/19/10 – Meritor WABCO provided Navistar a VIN list of vehicles with the additional suspect ECUs.
- 5/12/10 – Navistar decided to expand the safety recall.

(8) PROGRAM TO REMEDY DEFECT [Part 573.6 (c)(8)]

- The remedy will involve the reprogramming of the vehicle's brake system electronic control unit.

(9) PLAN FOR REIMBURSEMENT [Part 573.6 (c)(8)(i)]

- For the vehicles identified in the initial defect report: a plan for reimbursement of pre-notification remedies is not needed as all the vehicles are within their original warranty period.
- For the additional vehicles identified in this revised defect report: Navistar's plan for reimbursement of pre-notification remedies, on file and dated 1/5/09, applies and instructions will be included in the customer notification.

(10) SCHEDULE FOR RECALL NOTIFICATION [Part 573.6 (c)(8)(ii)]

- For the vehicles identified in the initial defect report: The owner notification letter was mailed 4/9/10.
- For the additional vehicles identified in this revised defect report: It is estimated that the owner notification letter will be mailed by 6/4/10.

(11) MANUFACTURER'S CAMPAIGN NUMBER [Part 573.6 (c)(11)]

- 10505

The undersigned should be contacted for any additional information regarding this recall on (260) 461-1890.

Sincerely,



R. L. Van Laar
Compliance Manager
Navistar, Inc.

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