

Safety Defect and Noncompliance Report Guide for Vehicles
PART 573 Defect and Noncompliance Report¹

On April 26, 2007, Hino Motors Sales U.S.A., Inc. decided that (a defect which relates to motor vehicle safety) (a noncompliance with Federal Motor Vehicle Safety Standard No. _____) exist in the motor vehicles listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

Date this report was prepared: May 2, 2007

Furnish the manufacturer's identification code for this recall (if applicable): A5371

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

Hino Motors Sales U.S.A., Inc.

2555 Telegraph Rd., Bloomfield Hills, MI 48304

¹Each manufacturer must furnish a report, to the Associate Administrator for Safety Assurance, for each defect or noncompliance condition which relates to motor vehicle safety.

This guide was developed from 49 CFR Part 573, "Defect and Noncompliance Reports" and also outlines information currently requested. Any questions, please consult the complete Part 573 or contact Mr. Jon White at (202) 366-5227 or by FAX at (202) 366-7882.

Identify the corporate official, by name and title, whom the agency should contact with respect to this recall.

George M. Daniels

Senior National Manager, Service Operations


Telephone Number: 248-648-6430 **Fax No.:** 248-615-0105

Name and Title of Person who prepared this report.

Eric Lannon

Senior Manager – Warranty

Signed:



I. Identify the Vehicle Models Involved in the Recall

2. Identify the Vehicles Involved in the Recall, for each make and model or applicable vehicle line (provide illustrations or photographs as necessary to describe the vehicle), provide:

Make(s): Hino **Model Years Involved:** 2008 **Model(s):** NA6J, NB6J, NC6J

Production Dates: Beginning: Start of 2008 production **Ending:** 3/21/2007

VIN Range: Beginning: 5PVNA6JM082S50099 **Ending:** 5PVNC6JM882S50250

Vehicle Type: Fuel pipe bracket and clip **Bodystyle:** N/A

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

The fuel pipe between the supply pump and the common rail may crack due to insufficient bracket stiffness and over tightening of the clip. This can lead to deformation or cracking of the bracket and clip.

Make(s): _____ **Model Years Involved:** _____ **Model(s):** _____

Production Dates: Beginning: _____ **Ending:** _____

VIN Range: Beginning: _____ **Ending:** _____

Vehicle Type: _____ **Bodystyle:** _____

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

Identify the approximate percentage of the production of all the recalled models manufactured by your company between the inclusive dates of manufacture provided above, that the recalled model population represents. For example, if the recall involved Widgets equipped with certain items of equipment from January 1, 1996 through April 1, 1997, then what was the percentage of the recalled Widgets of all Widgets manufactured during that time period.

II. Identify the Recall Population

3. Furnish the total number of vehicles recalled potentially containing the defect or noncompliance.

<u>Model</u>	<u>Year</u>	<u>Number of Vehicles Potentially Involved</u>
NA6J	2008	41
NB6J	2008	2
NC6J	2008	18

Total Number Potentially Affected by the Recall: 61

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: Unknown

Identify and describe how the recall population was determined--in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture of the recalled vehicles:

Initial finding were determined by the discovery of a cracked fuel pipe and a deformed clip. Further investigation yielded that several vehicles had cracked fuel pipes and over tightened deformed clips. Affected unit dates include from the start of 2008 production until 3/21/2007.

III. Describe the Defect or Noncompliance

5. Describe the defect or noncompliance. The description should address the nature and physical location of the defect or noncompliance. Illustrations should be provided as appropriate.

Due to insufficient bracket stiffness and over tightening of the clip the fuel pipe between the supply pump and the common rail may crack due to high stress.

Describe the cause(s) of the defect or noncompliance condition.

The cracking of the fuel pipe between the supply pump and the common rail due to insufficient bracket stiffness and over tightening of the clip.

Describe the consequence(s) of the defect or noncompliance condition.

If the fuel pipe between the supply pump and the common rail cracks due to high stress which is a result of insufficient bracket stiffness and over tightening of the clip the engine warning will alert the driver to the problem. However, if the warning light is ignored by the driver, this could ultimately cause a fire and the engine to stall. This potentially could result in an accident, personal injury, death or property damage.

Identify any warning which can (a) precede or (b) occur.

The fuel pipe between the supply pump and the common rail will have a crack or the bracket and clip will be deformed due to over tightening.

If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.

Component Manufacturer Hino Motors Ltd. Nitta Assembly Plant 10-1 Hayakawa-cho, Nitta
Ota-city Gunma 370-0344 Japan

Identify the name and title of the chief executive officer or knowledgeable representative of the supplier:

N/A

IV. Provide the Chronology in Determining the Defect/Noncompliance

If the recall is for a defect, complete item 6, otherwise item 7.

- **On March 30, 2007** - the user of the 2008 MY Quality Assurance Demo truck reported a fuel leak within the engine compartment. Investigation revealed a cracked fuel supply pipe.
- **On April 6, 2007** - the Demo truck suffered a reoccurrence of the cracked fuel pipe.
- **During mid April** - specialist from Hino Motors Ltd. (HML) conducted a vehicle investigation which revealed possible cause as over-tightened pipe support clamp.
- **During mid April** - HML conducted a failed parts analysis which determined that the failure was related to fatigue.
- **April 17, 2007** - a precautionary shipping hold placed on 4cyl. models at US and Canadian manufacturing facilities and marshalling yards. Pending the outcome of the stress analysis tests. • Stress analysis testing conducted by HML Experimental Test Division determined the fuel pipe support bracket was not rigid enough under the following conditions: When the pipe support clamp was over-tightened and, Engine is equipped with Early 2008 specification commonrails containing the 2.0mm flow damper orifice diameter.

V. Identify the Remedy

- 6. Furnish a description of the manufacturer's remedy for the defect or noncompliance. Clearly describe the differences between the recall condition and the remedy.**

See attached Recall Bulletin for remedy procedures.

Clearly describe the distinguishing characteristics of the remedy component/assembly versus the recalled component/assembly.

Recalled component: No Difference

Remedy component: No Difference

Identify and describe how and when the recall condition was corrected in production. If the production remedy was identical to the recall remedy in the field, so state. If the product was discontinued, so state.

VI. Identify the Recall Schedule

Furnish a schedule or agenda (with specific dates) for notification to other manufacturers, dealers/retailers, and purchasers. Please, identify any foreseeable problems with implementing the recall.

VII. Furnish Recall Communications

9. Furnish a final copy of all notices, bulletins, and other communications that relate directly to the defect or noncompliance and which are sent to more than one manufacturer, distributor, or purchaser. This includes all communications (including both original and follow-up) concerning this recall from the time your company determines the defect or noncompliance condition on, not just the initial notification. A *DRAFT copy of the notification documents should be submitted to this office by Fax (202-366-7882) for review prior to mailing.*

Note that these documents are to be submitted separately from those provided in accordance with Part 573.8 requirements.