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13V-246 **HONDA**
(4 pages)

American Honda Motor Co., Inc.
1919 Torrance Boulevard
Torrance, CA 90501-2746
Phone (310) 783-2000

June 12, 2013

Ms. Nancy 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
2006 Acura RSX, 2006-2007 Honda S2000
Brake Booster Vacuum Leakage

Dear Ms. Lewis:

On June 6, 2013 Honda Motor Co., Ltd. (HMC) determined that a potential defect relating to motor vehicle safety exists in the brake booster vacuum chamber of certain 2006 model year Acura RSX and 2006-2007 model year Honda S2000 automobiles, and is providing notification to the National Highway Traffic Safety Administration in accordance with 49 CFR Part 573 Defect and Noncompliance Reports.

573.6(c)(1)

Name of manufacturer: Honda Motor Co., Ltd. (HMC)

Manufacturer's agent: Jay Joseph
American Honda Motor Co., Inc. (AHM)
1919 Torrance Blvd.
Torrance, CA 90501-2746

573.6(c)(2)

Identification of potentially affected vehicles:

<u>Make/Model</u>	<u>Description</u>	<u>VIN Range/Dates of Manufacture</u>
Acura RSX	Certain 2006 model year	JH4DC53046S010575 - JH4DC53076S023711 January 18, 2006 to August 12, 2006
Honda S2000	Certain 2006 model year	JHMAP21496S002211 - JHMAP21406S005689 January 19, 2006 to July 26, 2006
Honda S2000	Certain 2007 model year	JHMAP21487S000001 - JHMAP21467S001793 July 20, 2006 to November 13, 2006

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

The recall population was determined based on 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: 7" and 8" Brake Booster Assembly
Country of Origin: Japan
Manufacturer: Nissin Kogyo Co., Ltd.
Contact Name: Kazuo Koyama
Address: 840, Kokubu, Ueda-City, Nagano Pref. 386-8505, Japan
Telephone No.: +81-268-21-2229

573.6(c)(3)

Total number of potentially affected vehicles: 18,352

573.6(c)(4)

Percentage of affected vehicles that contain the defect: Unknown

573.6(c)(5)

Defect description:

During the manufacturing of the brake booster cylinder, there may have been insufficient clamping between the two outer housing components, creating a gap between the parts. If a gap is present, the booster may be unable to maintain vacuum when the brake pedal is depressed, decreasing brake assist and increasing the risk of a crash.

573.6(c)(6)

Chronology:

October 31, 2006	Honda received the first claim for a brake booster with abnormal noise, in Japan.
November 10, 2006	Investigation of the first claim showed that the brake booster assembly was not clamped properly and therefore when the brake pedal was depressed the booster body became offset, resulting in the abnormal noise.
November 11, 2006	The supplier found that a seating sensor which detects the position of the booster body in the clamping equipment had failed. Countermeasures were then applied.
April 28, 2007	A durability test was performed on parts assembled with insufficient clamping. No performance issues were found.

- February 11, 2008 Honda received the first claim for a decrease in brake assist, in Japan.
- March 27, 2008 Investigation of the part showed that the brake booster assembly was not clamped properly; however there was no impact on performance.
- December 11, 2008 A second claim for decrease in brake assist was received, in Japan.
- December 27 2008 Investigation of the part showed that the brake booster assembly was not clamped properly, however there was no impact on performance.
- September 15, 2009 A second durability test was performed with no performance issues found. It was noted that the top symptom of insufficient clamping was increased pedal force (approx. 20N higher than normal) and an increase in brake pedal stroke (approx. 6mm).
- March 20, 2012 Claim no. 32 was received for a brake booster with excessive brake pedal force, in Japan.
- April 13, 2012 Investigation of claim no. 32 showed that the brake booster assembly was not clamped properly. No vacuum leak was found, however the brake stroke had increased approximately 8mm.
- November 27, 2013 A re-creation test with a part similar to that involved in claim no. 32, found no impact on braking performance.
- February 14, 2013 A second re-creation test was performed with a larger number of sample parts and the results indicated the possibility of decreased brake assist.
- June 6, 2013 HMC completed the investigation and determined that a safety related defect exists and decided to conduct a recall.

Honda has not received any claims in the United States relating to this issue.

573.6(c)(8)(i)

Program for remedying the defect:

The owners of all affected vehicles will be contacted by mail and asked to take their vehicle to a Honda or Acura automobile dealer. The dealer will inspect the brake booster assembly and, if necessary, replace it free of charge.

573.6(c)(8)(ii)

The estimated date to e-mail preliminary notification to dealers: June 13, 2013

The estimated date to provide service bulletin to dealers: June 13, 2013

The estimated date to begin sending notifications to owners: July 12, 2013

The estimated date of completion of the notification:

July 13, 2013

573.6(c)(9)

Representative copies of all notices, bulletins and other communications:

A copy of the dealer service bulletin, the final customer notification letter and other dealer communication will be submitted to your office as soon as possible.

573.6(c)(10)

Proposed owner notification letter submission:

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

573.6(c)(11)

Manufacturer's campaign number:

JA4 – Honda S2000

JA5 – Acura RSX

Sincerely,

AMERICAN HONDA MOTOR CO., INC.



Jay Joseph
Senior Manager
Product Regulatory Office

JWJ:clm