

**Part 573 Safety Recall Report****15V-497****Manufacturer Name :** Volvo Cars of N.A., LLC**Submission Date :** AUG 12,2015**NHTSA Recall No. :** 15V-497**Manufacturer Recall No. :** R89573**Manufacturer Information :**

Manufacturer Name : Volvo Cars of N.A., LLC

Address : AUTOMOTIVE SAFETY &amp; COMPLIANCE

1 VOLVO DRIVE, BUILDING B ROCKLEIGH NJ 0764

Company phone : 201-768-7300

**Population :**

Number of potentially involved : 3,911

Estimated percentage with defect : 100

**Vehicle Information :**

Vehicle : 2016-2016 Volvo XC90

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

**Descriptive Information :** Volvo has identified that on certain vehicles equipped with seven seats, the Inflatable Curtain (IC) air bag may not deploy as intended for third row passengers. In the event of a collision that warrants a deployment of the Inflatable Curtain, the interior trim panel on the D-pillar(s) could obstruct the IC from inflating fully.

Production Dates : JAN 27, 2015 - JUL 10, 2015

**VIN (Vehicle Identification Number) Range**

Begin : YV1LCA2BCG1000491

End : YV4A22PK9G1020394

 Not sequential VINs**Description of Defect :**

**Description of the Defect :** Volvo has identified that on certain vehicles equipped with seven seats, the Inflatable Curtain (IC) air bag may not deploy as intended for third row passengers. In the event of a collision that warrants a deployment of the Inflatable Curtain, the interior trim panel on the D-pillar(s) could obstruct the IC from inflating fully.

FMVSS 1 :NR

FMVSS 2 :NR

**Description of the Safety Risk :** If this were to occur, it could increase the risk of injury to third row seat occupant(s) in certain types of crashes.

Description of the Cause : NR

Identification of Any Warning that can Occur : NR

**Supplier Identification :**

**Component Manufacturer**

Name : Volvo Car Corporation

Address : SE-405 31

Gothenberg, Sweden

Country : NR

**Chronology :**

2015-07-01

- Test performed at THACHAM (Testing facility Euro NCAP), information from THACHAM indicating that the Inflatable Curtain did not deploy fully for the third row. Vehicle was not available for inspection by VCC at this time.

(Pre-test at THACHAM previously did not indicate any similar failures, performed 2015-06-05)

2015-07-03

- Internal meeting in order to analyze possible failure reason

2015-07-10 to 2015-07-15

- Analysis of possible failure mechanisms based on pictures from the THACHAM test.
- Design proposal to increase robustness based on assumption of failure mechanism in THACHAM test.
- Internal component testing of prototypes in order to strengthen the robustness.

2015-07-16

- Internal vehicle crash test, full scale testing in order to verify the solution.

2015-07-27:

- THACHAM test vehicle available for Volvo Cars to full analyses at Euro NCAP.
- First hand check shows a conflict between the D-pillar panel and the IC.

2015-07-29/31

- Previous assumptions was confirmed during the analyze from the inspection of the vehicle

2015-08-03:

- The Critical Concern Management Team (CCMT) considers the issue as critical.
- Preparations for a safety recall is initiated.
- Volvo Cars North America submits Part 573 to NHTSA.
- Vehicles are blocked at retailers.

2015-08-05:

- Vehicles are blocked at ports.

2015-08-10:

- The CCMT team reviews the recall campaign package and decides to release the recall.

Volvo Car Corporation centrally received the following technical reports from the US market:

Report:Received: Concerned vehicles:

N/A N/A N/A

Volvo Car centrally has not received any warranty claims for the condition from the US market.

Volvo Cars centrally has not received any reports alleging injuries, fatalities, or crashes related to this condition.

**Description of Remedy :**

Description of Remedy Program : Modify the D-Pillar interior panels to allow full inflation of the IC.

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : Vehicles are currently held at the assembly plant until parts are available for this recall. Vehicles will be remedied prior to shipment.

**Recall Schedule :**

Description of Recall Schedule : A Delivery Stop Action was sent to Volvo retailers today August 4, 2015. A complete retailer Information Package for Volvo Recall R89573 is scheduled to be sent to Volvo retailers on 8/12/15.

Planned Dealer Notification Date : AUG 12, 2015 - AUG 12, 2015

Planned Owner Notification Date : SEP 14, 2015 - SEP 14, 2015

\* NR - Not Reported