Part 573 Safety Recall Report 16E-095

Manufacturer Name : Autoliv, Inc.
Submission Date : NOV 09, 2017
NHTSA Recall No. : 16E-095
Manufacturer Recall No. : NR

Manufacturer Information :

Manufacturer Name : Autoliv, Inc.
Address : KLARABERGSVIADUKTEN 70, WORLD SECTION E, 6TH FLOOR, SE-111 64 STOCKHOLM, SWEDEN 00 28326
Company phone : 248-475-0442

Population :

Number of potentially involved : 116,820
Estimated percentage with defect : 1 %

Equipment Information :

Brand / Trade 1 : Autoliv
Model : AI2
Part No. : see Descriptive Info
Size : NR
Function : Initiator
Descriptive Information : Under certain manufacturing conditions on two production lines, deviations can occur in the generant mix ratio in some initiators which are manufactured by an Autoliv Group company and supplied to other Autoliv Group companies for use in the manufacturing of airbag and seatbelt (pretentioner) products. The airbags and seatbelts which use these initiators have been supplied to multiple automaker customers. Potential OEMs affected: Audi, BMW, Daimler, Ford, Jaguar, Landrover, Volvo, Porsche, Volkswagen, Fiat, Nissan.

NOTE: The reported Production Dates encompass certain lots of parts which were produced during this time period. Not all parts produced during the reported range are affected.

List of affected Autoliv Part Nos: 626658400A; 618340700B; 606367100A; 624264000A; 606426000A; 602789200B; 618804000C

Production Dates : JUN 16, 2016 - NOV 04, 2016

Description of Defect :

Description of the Defect :	Under certain manufacturing conditions on two production lines, deviations can occur in the generant mix ratio in some initiators which are manufactured by an Autoliv Group company and supplied to other Autoliv Group companies for use in the manufacturing of airbag and seatbelt (pretensioner) products. If the generant mix ratio does not meet specification, the initiators may not properly function, and depending on application and use, may lead to a "no-deploy" condition in the event of a vehicle crash.
FMVSS 1 :	NR
FMVSS 2 :	NR
Description of the Safety Risk :	Potential "no-deploy" of airbag or seatbelt pretensioner products in a crash. However, for seatbelt pretensioner products, this condition may not impact seatbelt compliance. Additionally, despite this condition, the primary seatbelt locking functions (e.g., webbing sensor & car sensor) work properly.
Description of the Cause :	NR
Identification of Any Warning that can Occur :	NR

Supplier Identification :

Component Manufacturer

Name :	NCS Pyrotechnie et Technologies SAS.
Address :	Rue de la Cartoucherie BP 90010 Survilliers Fosses FOREIGN STATES 95471
Country :	France

Chronology :

On October 3, 2016, Autoliv opened an investigation to study two noncomforming internal tests which were identified to have occurred at two separate Autoliv plants.

On November 4, 2016, as a result of this ongoing investigation, Autoliv identified a possible root cause of the deviation was the mix ratio of the generant and an action was taken to reprogram the PLC (Programmable Logic Controller), which is used in the automated production process of loading generant chemicals, to the settings in place prior to June 16, 2016. On November 16, 2016, Autoliv determined that the root cause was attributed to a PLC software programming change that was made to the subject manufacturing lines on June 16, 2016 (which was corrected in the November 4, 2016 reprogramming). Our assessments as to product performance and our investigation continues.

This report is a follow up to a meeting held on November 30, 2016, where this issue was discussed with NHTSA. At this time, our investigation remains ongoing.

Description of Remedy :

Description of Remedy Program :	All automaker customers have been informed and are investigating the performance of the products in their vehicles to determine whether the issue described above presents an issue which needs to be addressed in their application. If so, a replacement product will be provided by Autoliv and a recall plan will be developed and shared with NHTSA.
How Remedy Component Differs from Recalled Component :	The remedy component will have correct ratio of generant mix.
Identify How/When Recall Condition was Corrected in Production :	On November 4, 2016, the PLC (Programmable Logic Controller), which is used in the automated production process of loading generant chemicals was reprogrammed to the settings in place prior to June 16, 2016.

Recall Schedule :

Description of Recall Schedule :	See Attached File "16E-095 Autoliv-ODI Recall Portal-Missing Information-9Nov2017.pdf"
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	NR - NR

Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name :	NR
Address :	NR
	NR
Country :	NR
Company Phone :	NR

* NR - Not Reported