Part 573 Safety Recall Report 19E-050

Manufacturer Name : Indiana Mills and Manufacturing Inc.
Submission Date : DEC 09, 2019
NHTSA Recall No. : 19E-050
Manufacturer Recall No. : NR

Manufacturer Information :

Manufacturer Name : Indiana Mills and Manufacturing Inc.
Address : 18881 US 31 North
P.O. BOX 408 Westfield IN 46074-0408
Company phone : 317-896-9531

Population :

Number of potentially involved : 344
Estimated percentage with defect : 20 %

Equipment Information :

Brand / Trade 1 : IMMI
Model : Inflatable Head Cushion (IHC) and Knee Air Bag (KAB)
Part No. : A38541-305, A38541-3
Size : NR
Function : NR
Descriptive Information : IMMI has identified the recall population on the basis of receipt of components following a documented change. The first receipt of material for the documented change was 04/11/19 and was used to manufacture IHC/KAB products thereafter 04/12/19. Production was stopped at IMMI on 06/26/19 and all suspect material was quarantined.

The recalled product differs from all other product previously manufactured in that all component shipments prior to 04/11/19 were properly manufactured to design specifications.

IMMI then determined specific IHC/KAB serial numbers containing the changed component. Please see Appendix A for identified customers and associated serial numbers of the 344 units potentially involved.

Production Dates : APR 12, 2019 - JUN 26, 2019

Description of Defect :

Description of the Defect : Under normal deployment, the airbag cushion, as part of the IHC and/or KAB assemblies, may not be retained on the inflation gas line resulting in an incomplete inflation of the cushion or no retention of pressure in the cushion during deployment.

FMVSS 1 : NR

FMVSS 2 :	NR
Description of the Safety Risk :	The safety risk to the occupant is that the IHC/KAB may not fully inflate and therefore may not provide the intended supplemental protection to the occupant.
Description of the Cause :	This defect is caused by a tooling change made whereby a feature on the housing extrusion was improperly changed.
Identification of Any Warning that can Occur :	None

Supplier Identification :

Component Manufacturer

Name :	NR
Address :	NR
	NR
Country :	NR

Chronology :

In early 2019, IMMI communicated a change to its supplier for a housing extrusion component as part of the assembly for IMMI's IHC/KAB. The initial production lot was received on April 11, 2019, and was approved for production use.

On June 25, 2019, IMMI performed ambient testing on the IHC and observed one out of three cushions detached during deployment. Root cause investigation commenced immediately.

On July 18, 2019, IMMI concluded the root cause was an inadvertent change made to the housing extrusion component resulting in the inability of the cushion to properly inflate during a deployment event. The inadvertent change involved the under sizing of the hole by which the deployment cover releases to allow proper deployment of the cushion.

Description of Remedy :

Description of Remedy Program :	The remedy is a removal of the airbag unit and replace with certified new unit at no cost to the customer.
How Remedy Component Differs from Recalled Component :	The remedy component is produced with an extrusion that is manufactured to specifications. The part number remains the same and all remedy components are tracked via serial numbers to OEM's.

Identify How/When Recall Condition was Corrected in Production :	Following a Manufacturing Readiness Review conducted on 08/29/2019 and providing PPAP approval for the extrusion, IMMI began manufacturing the final assembly on 08/29/2019, beginning with serial number LG387994.

Recall Schedule :

Description of Recall Schedule :	As a equipment manufacturer, IMMI has notified all OEMs as outlined in Appendix A. The date listed in "Planned Owner Notification Begin and End Date(s)", does not represent the dates IMMI notified its customers (OEMs). IMMI notified all OEM customers between 07/22/19 and 07/23/19.
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