

Part 573 Safety Recall Report

19E-042

Manufacturer Name : Specialty Manufacturing Co.

Submission Date : JUN 21, 2019

NHTSA Recall No. : 19E-042

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : Specialty Manufacturing Co.

Address : 13501 South Ridge Drive

Charlotte NC 28273

Company phone : 800-951-7867

Population :

Number of potentially involved : 18,550

Estimated percentage with defect : 20 %

Equipment Information :

Brand / Trade 1 : Prolo

Model : Prolo Roof Hatch

Part No. : 92XX-XXXXX Series

Size : 24" x 24"

Function : Roof Hatch

Descriptive Information : Fence posts for the population were determined by production dates of the roof hatch assemblies along with receipt dates of suspect components from supplier. Units not included in the recall were assembled using different production batches of the cast zinc external release handle. The suspect production batch/component lot was verified by inspection and testing of warehoused stock corresponding to the production/receipt dates mentioned above as well as units produced before and after the suspect date range. An estimated 18,550 hatches were assembled using the suspect handles. This covers all 92XX-XXXXX Series Series glass hatches produced between 8/1/18 and 5/21/19

Production Dates : AUG 01, 2018 - MAY 21, 2019

Description of Defect :

Description of the Defect : Prolo roof hatches (emergency exits) utilize a die cast zinc handle for the external release handle. Certain production lots of these cast handles were found to contain a higher than allowed/specified level of porosity or voids. The excess porosity and voids can create failure points in the handle leading to breakage under reasonable use. Presence of voids/porosity can be determined by part weight but this does not guarantee failure of the part - location and concentration of the defects are key to the failure mode. The estimated 20% covers suspect components that show a low part weight (indicates the presence of porosity and voids) but does indicate failure rate.

FMVSS 1 : 217 - Bus emergency exits and window retention and release

FMVSS 2 : NR

Description of the Safety Risk : Failure of the external release handle will prevent the hatch release mechanism from being actuated from outside the vehicle. The hatch can still be opened from the outside by venting the hatch and actuating the inside release handle however this operation is not intuitive and not detailed in the required instructions located on the hatch. Failure of the external release handle does not prevent actuation of the release mechanism from inside the vehicle.

Description of the Cause : The defects were a result of casting process inconsistencies at component supplier. The casting mold temperature ran outside of spec in one section of the mold. This caused the injected zinc to cool too rapidly creating porosity and voids in the stem of the cast external release handle.

Identification of Any Warning that can Occur : None.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

NR

Description of Remedy :

Description of Remedy Program : NR

How Remedy Component Differs from Recalled Component : NR

Identify How/When Recall Condition was Corrected in Production : NR

Recall Schedule :

Description of Recall Schedule : NR

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