Part 573 Safety Recall Report 21E-068

Manufacturer Name :	Ricon Corporation
Submission Date :	JUL 23, 2021
NHTSA Recall No. :	21E-068
Manufacturer Recall No. :	NR

Manufacturer Information :

Manufacturer Name :	Ricon Corporation
Address :	1135 Aviation Place San Fernando CA 91340-1460
Company phone :	818-267-3000

Population :

Number of potentially involved :	1,877
Estimated percentage with defect :	100 %

Equipment Information :

Brand / Trade 1 :	Ricon
Model :	Baylift Wheelchair Lift
Part No. :	RISSBF3XXX-XX
Size :	NR
Function :	Platform Lifts
Descriptive Information :	All Ricon Baylift Series Wheelchair Lifts produced between April 2005 and April 22, 2020.
Production Dates :	APR 01, 2005 - APR 22, 2020

Description of Defect :

Description of the Defect :	When the outer barrier is fully deployed, it cannot withstand a 7,117 N (1,600 pounds) force when tested in accordance with FMVSS 403, S7.13 and does not meet the requirements of FMVSS 403, S6.4.7.3.
FMVSS 1 :	403 - Platform lift systems
FMVSS 2 :	NR
Description of the Safety Risk :	If an occupant's mobility device unexpectedly drives or pushes into the deployed outer barrier and it is unable to withstand the minimum designated amount of force, the integrity or performance of the outer barrier may be affected and can increase the risk of injury to the lift occupant.
Description of the Cause :	NR
Identification of Any Warning that can Occur :	None

Involved Components :

Component Name :	NR
Component Description :	NR
Component Part Number :	NR

Supplier Identification :

Component Manufacturer

Name :	NR
Address :	NR
	NR
Country :	NR

Chronology :

In July 2020, Ricon received an order from an OEM customer for several units of the Baylift model platform. The Baylift platform is a specialty product that is used in motorcoach buses and since the product was initially offered, Ricon has only produced and sold a relatively low volume of Baylifts. After receiving the OEM customer order and given the passage of time since the operation of the Baylift was previously considered, Ricon began to take steps to reevaluate the performance of the Baylift against FMVSS 403. In August 2020, Ricon put processes into place to prevent the shipment of any Baylift units to customers until the evaluation was finalized. In Fall 2020, preliminary findings were considered against an exemplar Baylift and Baylift design documents, however, the lack of a top level design (a complete CAD model that allows for detailed evaluation of parts dimensions) complicated the analysis and in November 2020, a second exemplar model was produced so that Ricon could continue its analysis. When the analysis of this exemplar model also did not provide certainty as to the performance of certain aspects of the lift, Ricon started the process of generating a top level model that could be used to analyze the parts and dimensions. Ricon then reviewed whether the potential concerns that had initially been identified in fact presented a noncompliance. This evaluation was carried out through Spring 2021. On July 19, 2021, Ricon met with NHTSA to review and discuss certain substantive and process oriented issues regarding its consideration of the Baylift. On July 20, 2021, Ricon determined that a noncompliance existed as to the requirement that the deployed outer barrier be able withstand a minimum amount of force as required in FMVSS 403, S6.4.7.3..

Description of Remedy :

Description of Remedy Program :	Ricon will notify customers of the noncompliance and will take steps to remedy the units in the field.
How Remedy Component Differs from Recalled Component :	Units remedied in the field and new production lifts will incorporate a RH and LH side barrier support feature above the outer barrier hinge axis that will aide in rotationally constraining the outer barrier when it is loaded in

	the fully deployed position. The support feature will redistribute and reduce torsional stresses in the barrier hinge pin assemblies to withstand the application of 7,117 N (1,600 lb force) in compliance with the requirements of S6.4.7.3.
Identify How/When Recall Condition was Corrected in Production :	A production change will be implemented beginning August 1, 2021.

Recall Schedule :

Description of Recall Schedule :	.
Planned Dealer Notification Date :	AUG 23, 2021 - AUG 23, 2021
Planned Owner Notification Date :	SEP 21, 2021 - SEP 21, 2021

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 :	ABC BUS
Address :	3720 SOUTH MADISON STREET MUNCIE IN 47302
Country :	US
Company Phone :	222-2871 x77324

Name :	Dattco
Address :	583 SOUTH STREET NEW BRITAIN CT 06051
Country :	US
Company Phone :	635-8234 x 2135

Name :	MCI
Address :	552 WEST STUTSMAN AVE. PEMBINA ND 58271
Country :	US
Company Phone :	224-6368

Name :	MCI Parts
Address :	4001 UNIVERSAL COACH DRIVE LOUISVILLE KY 40258
Country :	US
Company Phone :	318-3020

Name :	Volvo de Mexico
Address :	Lago de Guadalupe 289
	Ex Rancho La Cadena Portales y Cartagena 00 CP.54900
Country :	MX
Company Phone :	(52) 5541130488

* NR - Not Reported