

Part 573 Safety Recall Report

20E-090

Manufacturer Name : Icon Vehicle Dynamics, LLC**Submission Date :** APR 19, 2021**NHTSA Recall No. :** 20E-090**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Icon Vehicle Dynamics, LLC

Address : 7929 LINCOLN AVE
RIVERSIDE CA 92504

Company phone : 6894266

Population :

Number of potentially involved : 102

Estimated percentage with defect : 100 %

Equipment Information :

Brand / Trade 1 : ICON

Model : 05-UP FSD 2.5 Centerline Stabilizer Kit

Part No. : 65050

Size : NR

Function : NR

Descriptive Information : The affected component is a Steering Stabilizer, ICON 05-UP FSD 2.5 CENTERLINE STABILIZER KIT, Part 65050, manufactured in two production runs on April 27, 2020 and October 20, 2020. The Steering Stabilizer was sold as an aftermarket component for installation on certain 2005 – 2021 Ford F250 4x4 and 2005 – 2021 Ford F350 4x4 Models. The two production runs manufactured 102 total Steering Stabilizer kits. The Steering Stabilizer is intended to dampen or stabilize the side to side movement of the vehicles wheels and absorb bump steer issues that may affect the handling of the vehicle. The Steering Stabilizer is a unique product with a very specific design that is wholly dissimilar from other products designed and manufactured by Icon.

On December 2, 2020, ICON received information from a customer that a 2019 Ford F350 truck with a Steering Stabilizer, part 65050 installed on it had experienced what was described as steering “lock up” in a parking lot, allegedly preventing the driver from turning the steering wheel while parking. Although we had received prior information from several Steering Stabilizer customers regarding claims of rough feeling steer, this was the first report of steering “lock-up” affecting an operator’s ability to steer the vehicle.

Production Dates : APR 27, 2020 - OCT 20, 2020

Description of Defect :

Description of the Defect : The Steering Stabilizer has a unique “through shaft” design which requires the use of a closed cell foam ring that allows the steering stabilizer to have as little air in the cylinder as possible. It has been determined that this foam ring over time can swell and flex potentially blocking the ports of the piston. If the ports of the piston become blocked, the steering stabilizer may be unable to cycle freely which will restrict the vehicle operator’s ability to steer.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In some circumstances, the steering may lock restricting the operator's ability to steer.

Description of the Cause : The Steering Stabilizer has a unique “through shaft” design which requires the use of a closed cell foam ring that allows the steering stabilizer to have as little air in the cylinder as possible. It has been determined that this foam ring over time can swell and flex potentially blocking the ports of the piston. If the ports of the piston become blocked, the steering stabilizer may be unable to cycle freely which will restrict the vehicle operator’s ability to steer.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :**Component Manufacturer**

Name : Icon Vehicle Dynamics

Address : 7929 Lincoln Avenue
Riverside California 92504

Country : United States

Chronology :

On December 2, 2020, ICON received information from a customer that a Ford truck with a Steering Stabilizer,

part 65050 installed on it had experienced what was described as steering “lock up”, allegedly preventing the driver from turning the steering wheel. Although Icon had received prior information from several Steering Stabilizer customers regarding claims of rough steering affecting performance, this was the first report of steering “lock-up” affecting the operator’s ability to steer the vehicle. As a result of the customer notification, Icon investigated and determined that the foam ring in the "though shaft" design could swell and flex over time potentially blocking the ports of the piston precluding the steering stabilizer's ability to cycle freely restricting a vehicle operator's ability to steer. Once that determination was made, Icon notified the NHTSA of the issue and developed a replacement kit which was sent to all affected customers in December 2020.

Description of Remedy :

Description of Remedy Program : A revised foam ring and steel support disc will be installed into the steering stabilizer. End users were sent new kits for installation, reimbursed for any installation costs, and given a return shipping label to send the defective unit back to ICON.

How Remedy Component Differs from Recalled Component : The revised foam rings shape allows oil to flow around it, and the steel support discs prevent the foam ring from flexing and blocking the ports of the piston.

Identify How/When Recall Condition was Corrected in Production : The last production run was October 20, 2020. The replacement kits have been manufactured and were disseminated for installation in the field for all units produced through October 20, 2020. There will be no further production runs for the original product. The replacement kits were sent to customers in December 2020.

Recall Schedule :

Description of Recall Schedule : As of the date of this report, ICON Vehicle Dynamics Customer Support Staff has been in contact with every direct sale customer that has purchased these potentially defective units. End users and dealers will be sent a new unit(s), reimbursed for any installation costs, and given a return shipping label to send the defective unit(s) back to ICON. Formal dealer and owner notification letters will also be sent on December 11, 2020.

Planned Dealer Notification Date : DEC 09, 2020 - DEC 31, 2020

Planned Owner Notification Date : DEC 09, 2020 - DEC 31, 2020

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