

Part 573 Safety Recall Report

19V-312

Manufacturer Name : General Motors LLC**Submission Date :** APR 18, 2019**NHTSA Recall No. :** 19V-312**Manufacturer Recall No. :** A182202370**Manufacturer Information :**

Manufacturer Name : General Motors LLC

Address : 29427 Louis Chevrolet Road
MAIL CODE 480-210-2V WARREN MI
48093

Company phone : 586-596-1733

Population :

Number of potentially involved : 112,958

Estimated percentage with defect : 50 %

Vehicle Information :

Vehicle 1 : 2017-2019 Chevrolet Trax

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : GM's warranty-data analysis indicates that affected components were produced during a production period beginning on July 1, 2017 and ending on April 4, 2019—the date on which GM's supplier improved its production processes. Vehicles with lower-control arms produced in other production periods or by other suppliers have not exhibited this condition and are not included in this recall.

Production Dates : JUL 01, 2017 - APR 04, 2019

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : General Motors has decided that a defect which relates to motor vehicle safety exists in certain 2017-2019 model year Chevrolet Trax vehicles. In some of these vehicles, a joint in one or both front lower-control arms may have been improperly welded. Over time and in rare cases, an improperly welded joint can fatigue and break, causing the lower-control arm to partially separate from the vehicle.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If a lower-control arm partially separates from the vehicle, the front wheel attached to the control arm will toe outward, adversely affecting the vehicle's steering and potentially causing the tire to rub against the wheel well, increasing the risk of a crash.

Description of the Cause : On some lower-control arms, the component surface that is welded to the

bushing housing did not conform to applicable design specifications and, as a consequence, was not properly welded to the bushing housing.

Identification of Any Warning that can Occur : NR

Supplier Identification :

Component Manufacturer

Name : San Luis Metal Forming
Address : 201, Francfort, Logistik II
Villa de Reyes San Luis Petosi FOREIGN STATES 79526
Country : Mexico

Chronology :

On November 14, 2018, a GM dealer filed a field-product report regarding a left front-control arm that partially separated from the vehicle on a 2018 model year Chevrolet Trax. The issue was reported through GM's Speak Up For Safety (SUFS) program on November 16, 2018.

GM determined, based on a visual inspection of the photos of the failed control arm, that the weld connecting the control arm to the bushing did not match applicable design specifications. When asked to explain these discrepancies, GM's supplier initially insisted that the welds on the failed component part and other control arms produced at its facility conformed to applicable design specifications.

Based on its initial field-data review, GM opened a formal product investigation on January 31, 2019. On February 28, 2019, GM's supplier confirmed that the welds on the failed component part did not comply with the applicable design specifications, and that the welds were improperly modified because the lower-control arm stampings also did not match the design specifications.

In March through early April 2019, GM worked with the supplier to identify the vehicle population that may have been manufactured with a suspect lower-control arm and assess the condition's impact on vehicle performance. Using measurements taken from yard inspections and inspections of company-owned vehicles, GM conducted CAE analysis to assess the durability of control arms built with different weld lengths. On April 12, 2019, GM engineers at GM's Milford Proving Grounds conducted drivability testing on a Chevrolet Trax vehicle equipped with a front lower-control arm that was cut at the affected weld.

As of April 15, 2019, GM had received approximately two warranty claims relating to this condition on vehicles sold in the United States. GM is not aware of any crashes caused by this condition. On April 15, 2019, GM's Safety and Field Action Decision Authority (SFADA) decided to conduct a safety recall.

Description of Remedy :

Description of Remedy Program : Dealers will inspect left and right lower-control arms and replace the front lower-control arm assembly if necessary. Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to the plan submitted on May 19, 2017.

How Remedy Component Differs from Recalled Component : Replacement lower-control arms were produced after GM's supplier implemented appropriate corrective actions in production.
Recalled Component Name: ARM, FRT LWR CONT
Recalled Component Description: Front Lower Control Arm
Recalled Component Part Number: 95328052, 95328053
Recalled Component Country of Origin: Mexico

Identify How/When Recall Condition was Corrected in Production : Corrective actions were implemented at GM's supplier on April 4, 2019 to correct the stamping tool, amend the weld specifications, and introduce inspections before and after the weld operation. Vehicles produced after April 4, 2019 were inspected or were built with components produced after implementation of corrective actions.

Recall Schedule :

Description of Recall Schedule : Dealers will be notified on April 18, 2019. GM will provide planned owner notification dates when available.
Planned Dealer Notification Date : APR 18, 2019 - APR 18, 2019
Planned Owner Notification Date : NR - NR

* NR - Not Reported