

# Part 573 Safety Recall Report

# 16V-422

**Manufacturer Name :** General Motors LLC**Submission Date :** JUN 08, 2016**NHTSA Recall No. :** 16V-422**Manufacturer Recall No. :** 45340**Manufacturer Information :**

Manufacturer Name : General Motors LLC

Address : 30001 VAN DYKE  
MAIL CODE 480-210-2V WARREN MI  
48090

Company phone : 5961733

**Population :**

Number of potentially involved : 18,780

Estimated percentage with defect : 100 %

**Vehicle Information :**

Vehicle 1 : 2015-2016 Chevrolet Sonic

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2015 – 2016 Chevrolet Sonic vehicles

Production Dates : MAY 12, 2014 - APR 27, 2016

VIN Range 1 : Begin : NR End : NR  Not sequential

Vehicle 2 : 2015-2016 Chevrolet Trax

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2015 – 2016 Chevrolet Trax vehicles

Production Dates : JUL 15, 2014 - APR 28, 2016

VIN Range 1 : Begin : NR End : NR  Not sequential

Vehicle 3 : 2013-2015 Chevrolet Spark

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : Certain 2015 – 2016 Chevrolet Spark vehicles

Production Dates : APR 21, 2012 - SEP 08, 2015

VIN Range 1 : Begin : NR End : NR  Not sequential**Description of Noncompliance :**

**Description of the Noncompliance :** General Motors has decided that certain 2015-2016 Chevrolet Sonic, 2015-2016 Chevrolet Trax, and 2013-2015 Chevrolet Spark vehicles equipped with a Bring Your Own Media 1 (“BYOM1”) radio may not comply with Federal Motor Vehicle Safety Standard (FMVSS) No. 114, “Theft protection and rollaway prevention” and FMVSS No. 208 “Occupant crash protection.” BYOM1 radio software in these vehicles may, in rare circumstances, intermittently lock up and fail to provide an audible warning (e.g., a chime) when a key is left in the ignition and the driver door is opened, or when the driver fails to fasten their seatbelt. This can sometimes occur when the driver turns the ignition off with the headlamp or hazard warning flashers on and then restarts the vehicle while the radio is going through the sleep sequence.

**FMVSS 1 :** 114 - Theft protection

**FMVSS 2 :** 208 - Occupant crash protection

**Description of the Safety Risk :** If no key reminder chime sounds to alert the driver that the key is left in the ignition, there is an increased risk of theft. If (a) the driver fails to fasten his or her seatbelt, (b) the seatbelt reminder chime fails to alert the driver that he or she is unbelted, and (c) a crash occurs, the driver is at an increased risk of injury.

**Description of the Cause :** In the affected vehicles, a software issue may, in rare circumstances, cause the radio to lock up and not function if the headlamp or hazard warning message is active during the BYOM1 shutdown sequence.

**Identification of Any Warning that can Occur :** NR

## Supplier Identification :

### Component Manufacturer

**Name :** LG Electronics

**Address :** 222 LG-ro Jinwi-myeon  
Pyeongtaek-si, Gyeonggit-do FOREIGN STATES

**Country :** Korea, Republic of

## Chronology :

On April 20, 2016, while performing a software reflash at GM's Lake Orion plant to remedy the software issue identified in NHTSA Recall No. 16V-257, GM discovered an anomaly with the new software that, under certain conditions, disabled the radio and the audible seatbelt and key-in reminder chimes. On April 29, 2016, GM's Lake Orion plant manager reported the issue as a potential safety issue through GM's Speak Up For Safety program. On May 3, 2016, GM opened an investigation.

Between May 3 and May 19, 2016, GM confirmed that the new software could, under certain conditions, disable the BYOM1 radio causing the loss of the audible warnings required by FMVSS Nos. 114 and 208. Specifically, if the hazard lights or headlights are on and the customer powers down the vehicle and then attempts a restart while the radio is going through the sleep sequence, the radio may lock up and not function. If this occurs, the BYOM1 radio will be unable to provide the seatbelt and key-in reminder chimes as required by FMVSS Nos. 208 and 114, respectively. In some circumstances, when the radio locks up, it remains active even after the vehicle is shut down and could drain the vehicle's battery.

A review of warranty, TREAD, and VOQ data revealed no incidents of this software anomaly occurring in the field. The investigation was reviewed in GM's Open Investigation Review on May 19, 2016, and on June 1, 2016, GM's Safety and Field Action Decision Authority decided to conduct a noncompliance recall.

## Description of Remedy :

Description of Remedy Program :	Dealers will reflash the radios with corrected operating software. Pursuant to 577.11, GM will provide reimbursement to owners for repairs according to the plan submitted on May 20, 2015.
How Remedy Component Differs from Recalled Component :	The new software aligns the software timing so that the radio will not get into a locked condition. Recalled Component Name: BYOM 1 Radio, Recalled Component Description: BYOM Radio, Recalled Component Part Numbers: 42521797, 42521879, Recalled Component Country of Origin: South Korea
Identify How/When Recall Condition was Corrected in Production :	Chevrolet Trax and Chevrolet Sonic vehicles built after 05/05/2016 have the corrected software. This radio was discontinued for the Chevrolet Spark after the 2015 model year.

## Recall Schedule :

Description of Recall Schedule :	General Motors will notify dealers on June 8, 2016. General Motors will provide owner letter notification dates when available.
Planned Dealer Notification Date :	JUN 08, 2016 - JUN 08, 2016
Planned Owner Notification Date :	NR - NR

\* NR - Not Reported