



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

ODI RESUME

Investigation: EQ 15-005
Prompted by:
Date Opened: 07/29/2015
Investigator: Kareem Habib
Approver: Jennifer Timian
Subject: Software security vulnerability

MANUFACTURER & PRODUCT INFORMATION

Manufacturer: HARMAN INTERNATIONAL
Products: Harman Kardon infotainment systems
Population: 2,800,000 (Estimated)
Problem Description: Harman Kardon infotainment systems supplied to Chrysler had software security vulnerabilities allowing unauthorized third-party access to networked vehicle control systems. The vulnerabilities may exist in other Harman Kardon products.

ACTION / SUMMARY INFORMATION

Action: This EQ investigation is opened.

Summary:

On July 23, 2015, Fiat Chrysler Automobiles (FCA) submitted a safety recall report to NHTSA concerning a software security defect condition in approximately 1.4 million model year (MY) 2013 through 2015 vehicles equipped with Uconnect 8.4A (RA3) and 8.4AN (RA4) radios manufactured by Harman Kardon (Recall 15V-461). According to FCA, software security vulnerabilities in the recalled vehicles could allow unauthorized third-party access to, and manipulation of, networked vehicle control systems. Unauthorized access or manipulation of the vehicle control systems could reduce the driver's control of the vehicle increasing the risk of a crash with an attendant increased risk of injury to the driver, other vehicle occupants, and other vehicles and their occupants within proximity to the affected vehicle.

This EQ is being opened to obtain information from the supplier of Chrysler Uconnect units to determine the nature and extent of similarities in other infotainment products provided to other vehicle manufacturers. If sufficient similarities exist, the investigation will examine if there is cause for concern that security issues exist in other Harman Kardon products.