

# Part 573 Safety Recall Report

# 16V-628

**Manufacturer Name :** Hyundai Motor America**Submission Date :** AUG 29, 2016**NHTSA Recall No. :** 16V-628**Manufacturer Recall No. :** 149**Manufacturer Information :**

Manufacturer Name : Hyundai Motor America

Address : 10550 Talbert Avenue

Fountain Valley CA 92708

Company phone : 800-633-5151

**Population :**

Number of potentially involved : 41,000

Estimated percentage with defect : NR

**Vehicle Information :**

Vehicle 1 : 2016-2016 Hyundai Tucson

Vehicle Type : LIGHT VEHICLES

Body Style : SUV

Power Train : GAS

Descriptive Information : Certain Model Year 2016 Hyundai Tucson vehicles equipped with a Dual Clutch Transmission produced beginning on May 20, 2015 through May 31, 2016.

Production Dates : MAY 20, 2015 - MAY 31, 2016

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Certain 2016 Model Year Hyundai Tucsons are equipped with a 7-speed EcoShift® Dual Clutch Transmission (DCT). The Transmission Control Module (TCM) continually monitors data generated during drive cycles to help refine gear shifting characteristics. In higher ambient temperatures and specific operating conditions, the transmission clutch application logic can result in a delayed engagement when accelerating from a stop. If the accelerator pedal is steadily depressed for approximately 1.5 to 2 seconds, the vehicle will begin to accelerate and normal driving is resumed. However, if the accelerator pedal is repeatedly cycled, the vehicle will not accelerate.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Inability to move the vehicle in traffic may increase the risk of a crash.

Description of the Cause : Clutch application logic software within the Transaxle Control Module.

Identification of Any Warning : NR  
that can Occur :

## Supplier Identification :

### Component Manufacturer

Name : Dymos Incorporated  
Address : Seongyeon-myeon, Seosan-si  
Chungcheongnam-do FOREIGN STATES  
Country : Korea, Republic of

## Chronology :

In June of 2016, Hyundai began to investigate customer reports on DCT-equipped Tucsons that after coming to a stop, the engine would “rev” but vehicle would not move. The condition was intermittent and often not repeatable. Hyundai’s investigation continued through July, 2016 and included instrumentation of incident vehicles in the field. A software update was developed and tested, and became available in August, 2016. To provide the most recent TCM logic to the field, Hyundai released TSB # 16-01-035 on August 10, 2016 and continued to study field reports of “vehicle will not move.”

Hyundai met with NHTSA on August 10, 2016 and the subject of Tucson delayed clutch engagement was discussed. ODI provided additional customer experiences demonstrating the condition where the accelerator pedal was repeatedly applied and released resulting in “vehicle will not move” scenarios. On August 22, 2016 Hyundai made the determination to proceed with a safety recall campaign to replace the reprogram the Transmission Control Module (TCM) on certain Model Year 2016 Hyundai Tucson vehicles equipped with a Dual Clutch Transmission produced beginning on May 20, 2015 through May 31, 2016.

Hyundai is not aware of any accidents or injuries related to this condition.

## Description of Remedy :

Description of Remedy Program : Hyundai Motor America plans to notify owners of affected vehicles to return their vehicles to their Hyundai dealers to reprogram the Transmission Control Module. This procedure will be performed at no charge.

Hyundai will provide reimbursement to owners for repairs according to the plan submitted on November 2, 2014.

How Remedy Component Differs from Recalled Component : Revised TCM programming

Identify How/When Recall Condition was Corrected in Production : NR

**Recall Schedule :**

Description of Recall Schedule : NR

Planned Dealer Notification Date : OCT 28, 2016 - OCT 28, 2016

Planned Owner Notification Date : OCT 28, 2016 - OCT 28, 2016

\* NR - Not Reported