Part 573 Safety Recall Report 16V-479

Manufacturer Name : Ford Motor Company
Submission Date : JUN 27, 2016
NHTSA Recall No. : 16V-479
Manufacturer Recall No. : 16S28

Manufacturer Information :

Manufacturer Name : Ford Motor Company
Address : 330 Town Center Drive
Suite 500 Dearborn MI 48126-2738
Company phone : 1-866-436-7332

Population :

Number of potentially involved : 865
Estimated percentage with defect : NR

Vehicle Information :

Vehicle 1 : 2015-2016 Ford Focus Electric
Vehicle Type : LIGHT VEHICLES
Body Style :
Power Train : NR
Descriptive Information : Certain 2015-2016 model year Ford Focus Electric vehicles.

These vehicles are not produced in VIN order. Information as to the applicability of this action to specific vehicles can best be obtained by either calling Ford's toll-free line (1-866-436-7332) or by contacting a local Ford or Lincoln dealer who can obtain specific information regarding the vehicles from the Ford On-line Automotive Service Information System (OASIS) database.

Production Dates : AUG 20, 2015 - APR 13, 2016
VIN Range 1 : Begin : NR End : NR ☐ Not sequential

Description of Defect :

Description of the Defect : Affected vehicles may experience increased friction and excessive wear of the differential pinion gear shaft. This may result in localized overheating and eventual fracture of the pinion shaft or pinion gears.

Ford is not aware of any warranty reports, accidents or injuries related to this condition.

FMVSS 1 : NR
FMVSS 2 : NR
Description of the Safety Risk : Pinion gears without the friction reducing coating could cause the pinion shaft to fracture, resulting in a loss of motive power while driving and loss of the transmission park function without warning, increasing the risk of an

	injury or a crash.
Description of the Cause :	The supplier did not apply a friction-reducing coating on the differential pinion gear bores during the fabrication process.
Identification of Any Warning that can Occur :	Customers may hear audible indications of wear prior to fracture.

Supplier Identification :

Component Manufacturer

Name :	Magna Powertrain of America, Inc.
Address :	1870 Technology Drive Troy MICHIGAN 48083
Country :	United States

Chronology :

February – May 2016: A future model Focus Electric vehicle encountered issues with differential pinion shaft wear and fracture during routine vehicle durability testing. As part of the normal development process, Engineering initiated an investigation into the issue.

On May 19, 2016, Engineering reported to Ford's Critical Concern Review Group (CCRG) that this issue may pertain to transmission differential components that had been used in prior vehicle production. Engineering was requested to continue their investigation into the scope of this issue.

May – June 2016: On-going engineering analysis and development testing found that the supplier's removal of a friction-reducing coating on the pinion shaft gear bores would result in increased heat and wear, which could lead to a fracture of the pinion shaft. Engineering and our supplier concluded that this coating issue could affect components used in certain production vehicles.

On June 20, 2016, Ford's Field Review Committee reviewed the concern and approved a field action.

Description of Remedy :

Description of Remedy Program :	Owners will be notified by mail and instructed to take their vehicle to a Ford or Lincoln dealer to have a new transmission differential assembly installed. There will be no charge for this service. Ford is excluding reimbursement for costs because the original warranty program would provide for a free repair for this concern.

	Ford will forward a copy of the notification letters to dealers to the agency when available.
How Remedy Component Differs from Recalled Component :	NR
Identify How/When Recall Condition was Corrected in Production :	NR

Recall Schedule :

Description of Recall Schedule :	Notification to dealers is expected to occur on June 28, 2016. Mailing of owner notification letters is expected to begin July 25, 2016 and is expected to be completed by July 29, 2016.
Planned Dealer Notification Date :	JUN 28, 2016 - JUN 28, 2016
Planned Owner Notification Date :	JUL 25, 2016 - JUL 29, 2016

* NR - Not Reported