

Part 573 Safety Recall Report

17V-672

Manufacturer Name : Ford Motor Company**Submission Date :** OCT 23, 2017**NHTSA Recall No. :** 17V-672**Manufacturer Recall No. :** 17S37**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 : 22

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2018-2018 Ford F150

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : Affected vehicles are equipped with 3.5L engines.

Ford reviewed manufacturing records to determine the population of affected parts. The Ford process is capable of tracing engine production to the vehicle in which the engine is installed.

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 : SEP 03, 2017 - SEP 17, 2017

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Certain cylinder heads manufactured for 3.5L engines are missing machined holes intended to supply lubrication to the camshaft bearing journals. Lack of proper camshaft lubrication will result in premature engine failure and loss of motive power with limited advance warning.

Ford is not aware of any reports of accident or injury related to this condition.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Loss of motive power without warning while driving may increase the risk of accident or injury.

Description of the Cause : Inadequate manufacturing controls allowed cylinder heads to be produced without certain machined lubrication holes.

Identification of Any Warning that can Occur : This condition is likely to result in unusual and overt engine noise, a check engine light, and a rough running condition just prior to engine failure.

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

October 11 2017: A field report of a low mileage engine failure was reviewed by Ford Engineering. Analysis determined that certain camshaft bearing journal lubrication holes were missing from the cylinder head and were the cause of the failure. Investigation of manufacturing records determined that additional cylinder heads for 3.5L engines were produced with missing camshaft lubrication holes. Engineering contacted Ford's Critical Concern Review Group for discussion. Examination of manufacturing records found that process controls did not properly detect broken oil passage drills for the camshaft journals on August 23, 2017. Visual review of engine cylinder head photographs from production records identified specific heads that were manufactured without the required camshaft lubrication holes.

On October 16, 2017 Ford's Field Review Committee reviewed the concern and approved a field action.

Description of Remedy :

Description of Remedy Program : Ford is not aware of any affected vehicles outside of dealer control. Should owner contact subsequently be required, arraignments will be made to transport their vehicle to a Ford or Lincoln dealer to have the engine replaced. 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 : The replacement engines contain all required bearing journal lubrication holes.

Identify How/When Recall Condition was Corrected in Production : 100% visual verification of the presence of camshaft bearing journal lubrication holes was implemented on August 23, 2017.

Recall Schedule :

Description of Recall Schedule : Ford has already contacted all affected dealers to make arrangements for engine replacement. Formal notification to dealers is expected to occur on October 24, 2017. Ford is not aware of any affected vehicles outside of dealer control. Should owner contact subsequently be required, mailing is expected to begin on November 13, 2017 and expected to be complete by November 17, 2017.

Planned Dealer Notification Date : OCT 24, 2017 - OCT 24, 2017

Planned Owner Notification Date : NOV 13, 2017 - NOV 17, 2017

* NR - Not Reported