

Part 573 Safety Recall Report

20V-306

Manufacturer Name : Ford Motor Company**Submission Date :** MAY 27, 2020**NHTSA Recall No. :** 20V-306**Manufacturer Recall No. :** 20S26**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 : 24

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2020 Ford Mustang

Vehicle Type : LIGHT VEHICLES

Body Style :

Power Train : NR

Descriptive Information : Ford's team reviewed plant records to determine the population of affected parts. The Ford process is capable of tracing the Image Processing Module A alignment process to the vehicle in which the Image Processing Module A is installed.

The affected vehicles have Image Processing Module A, or the vehicles' forward-looking camera, that were misaligned at the Ford Assembly Plant.

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.

Vehicles Affected: 24

Production Dates : FEB 10, 2020 - FEB 11, 2020

VIN Range 1 : Begin :

NR

End : NR

 Not sequential**Description of Defect :**

Description of the Defect : Affected vehicles are equipped with an Image Processing Module A ("IPMA") or forward-looking camera, that is misaligned to the vehicle. As a result of this misalignment, the IPMA may not function as intended.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : An incorrect forward-looking camera alignment calibration may cause vehicle

Description of the Safety Risk : features including Pre-Collision Assist, Adaptive Cruise Control, Lane Keeping System, Driver Alert, and Auto High Beam Control, to have degraded functionality during vehicle operation. The Pre-Collision Assist system's effectiveness to detect a frontal collision may be compromised, increasing the risk of an accident.

Description of the Cause : The IPMA was not aligned correctly at Ford Assembly Plant due to incorrect calibration tooling set up.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Image Processing Module - A

Component Description : Front Facing Camera Module Software

Component Part Number : DS-H1BT-19H406-AE

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

In March 2020, Ford's Critical Concerns Review Group reviewed a recent concern from the assembly plant indicating that the IPMA on certain Mustangs may have been misaligned. This was discovered by the plant when some of these vehicles exhibited a diagnostic trouble code (DTC) indicating a missing calibration in the forward-looking camera. The misalignment occurred after an improper tooling changeover. The plant limited the affected vehicles to (2) days of production and was able to contain most of the vehicles with issue.

Ford's Critical Concerns Review Group reviewed this concern and requested that the engineering team provide analysis of potential effects to vehicles from this misalignment.

The engineering team provided the requested analysis in April 2020. This analysis indicated that features that may be affected by the forward-looking camera misalignment include Pre-Collision Assist, Adaptive Cruise Control, Lane Keeping System, Driver Alert, and Auto High Beam Control. Further testing was not suggested

due to the level of misalignment in the IPMA. The team then reviewed and verified that no other vehicle populations were impacted by this issue.

On May 19, 2020, Ford's Field Review Committee reviewed the concern and approved a field action.

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

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 Image Processing Module A reconfigured by performing the Lane Departure Warning System camera alignment procedure. There will be no charge for this service.

Ford is excluding reimbursement for costs because the original warranty program would have provided 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 : NA, vehicle calibration issue.

Identify How/When Recall Condition was Corrected in Production : The Ford Plant calibration tooling was corrected by adjusting to correct values on Feb 12, 2020.

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on May 28, 2020. Mailing of owner notification letters is expected to begin June 15, 2020 and is expected to be completed by June 19, 2020.

Planned Dealer Notification Date : MAY 28, 2020 - MAY 28, 2020

Planned Owner Notification Date : JUN 15, 2020 - JUN 19, 2020

* NR - Not Reported