

Part 573 Safety Recall Report

20V-636

Manufacturer Name : Ford Motor Company

Submission Date : OCT 15, 2020

NHTSA Recall No. : 20V-636

Manufacturer Recall No. : 20S60



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 : 2,903

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2019-2020 Ford Transit Connect

Vehicle Type : LIGHT VEHICLES

Body Style : ALL

Power Train : GAS

Descriptive Information : The incorrect fail safe cooling strategy calibration was introduced into production on 08/02/2018 and was taken out of production on 07/30/2020. Affected vehicles are equipped with 2.5L engines.

Production Dates : AUG 02, 2018 - JUL 30, 2020

VIN Range 1 : Begin :

NR

End : NR

Not sequential

Description of Defect :

Description of the Defect : The temperature threshold values in the fail safe cooling strategy calibration were higher than the validated thresholds for the 2.5L engine.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : In the event of elevated engine temperatures (e.g., coolant loss), there will be a delay in vehicles invoking the fail safe cooling strategy, resulting in engine temperatures exceeding critical limits. Under severe cases, running the engine at the temperatures above critical limits for prolonged time could result in engine damage and increases the risk of fire.

Description of the Cause : The powertrain control module calibration values released for production used the strategy default values rather than carrying over the validated temperature settings from the prior model year calibration.

Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 : Powertrain Control Module Calibration, R07 Service

Component Description : Latest Powertrain Control Module Calibration

Component Part Number : KV6A-12A650-PF

Component Name 2 : Powertrain Control Module Calibration, R21 Service

Component Description : Latest Powertrain Control Module Calibration

Component Part Number : KV6A-12A650-AEC

Component Name 3 : Powertrain Control Module Calibration, R25 Service

Component Description : Latest Powertrain Control Module Calibration

Component Part Number : KV6A-12A650-APB

Component Name 4 : Powertrain Control Module Calibration, R31 Service

Component Description : Latest Powertrain Control Module Calibration

Component Part Number : KV6A-12A650-AJC

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

On August 11, 2020, Ford's Critical Concerns Review Group reviewed a concern indicating the fail safe cooling strategy temperatures were calibrated to higher values than the design intent temperatures.

August 2020 – September 2020 Ford investigated the scope of the condition.

On October 8, 2020, Ford's Field Review Committee 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 the Powertrain Control Module updated with the latest calibration. 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 fail safe cooling strategy is implemented at the design intent temperatures.

Identify How/When Recall Condition was Corrected in Production : N/A

Recall Schedule :

Description of Recall Schedule : Notification to dealers is expected to occur on October 16, 2020. Mailing of owner notification letters is expected to begin October 26, 2020 and is expected to be completed by October 30, 2020.

Planned Dealer Notification Date : OCT 16, 2020 - OCT 16, 2020

Planned Owner Notification Date : OCT 26, 2020 - OCT 30, 2020

* NR - Not Reported