



U.S. Department
of Transportation

National Highway
Traffic Safety
Administration

Part 573 Safety Recall Report

25V398

Manufacturer Name: Ford Motor Company

Submission Date: Jun 13, 2025

NHTSA Recall No.: 25V398

Manufacturer Recall No.: 25S63

Manufacturer Information

Population

Manufacturer Name: Ford Motor Company

Address: 330 Town Center Drive
Suite 500
Dearborn MI, 48126-2738

Total number of potentially involved: 40

Estimated percentage with defect: 100%

Vehicle Information

Vehicle 1: 2025-2025 FORD F-150

Product Category: Light Vehicles

Product Type: Light Truck

Fuel / Propulsion: Spark Ignition Fuel

Production Dates: Feb 17, 2025 - Feb 20, 2025

Number of potentially involved: 40

Descriptive Information:

Affected vehicles were built at Dearborn Truck Plant (DTP) and are equipped with 2.7L engines. The potential contact condition between the engine wire harness and the engine coolant hose exists on certain 2025 model year vehicles produced from 02/17/25 through 02/20/25.

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.

40 F-150 vehicles are affected.

Defect / Noncompliance Description

Description of the defect or noncompliance:

A contact condition may exist between the engine wire harness and the engine coolant hose, leading to chafing of the engine wire harness or pull-out of Powertrain Control Module (PCM) connector pins. Abrasion damage to the engine wire harness or pull-out of PCM connector pins can result in an engine stall.

Part 573 Safety Recall Report

25V398

FMVSS1:

FMVSS2:

Description of the safety risk, including crash, fire, death, injury:

An engine stall while driving increases the risk of a crash.

Description of the cause:

A coolant hose was improperly clipped to an engine wire harness which had insufficient abrasion protection. This condition could cause direct contact between the coolant hose and the engine wire harness and place additional stresses on the harness that may lead to abrasion, wire damage, and/or pin(s) pulling out of the PCM connector.

Identification of any warning that can occur:

The operator may notice illumination of the Malfunction Indicator Lamp (MIL), reduced engine power, hesitation, or other engine drivability symptoms.

Component Manufacturer

Tier of Supplier:

Supplier Type: OEM

Name: Ford Motor Company

Address: 1 American Road
Dearborn MI, 48126

Country: United States

Involved Components

Component Name 1: ENGINE WIR HARNESS

Component Description: Engine Wiring Harness

Component Part Number: SU5T-12C508-AEB

Chronology

On **February 27, 2025**, an issue pertaining to contact between the engine wire harness and coolant hose on 2025.5 model year (MY) F-150 was brought to Ford's Critical Concern Review Group (CCRG) for review.

On February 20, 2025, Ford's Campaign Prevention team conducted a Fresh Eyes Review of a 2025.5 MY F-150 and identified a contact condition between the engine wire harness and the coolant hose. Ford Engineering conducted a Computer Aided Design (CAD) review of the position of underhood

Part 573 Safety Recall Report

25V398

components, including the engine wire harness and the coolant hose. On February 27, 2025, the CCRG inspected Ford test vehicles of same design level and confirmed the contact condition.

From February 27, 2025, to March 27, 2025, Ford Engineering conducted abrasion testing to evaluate the effect of engine harness and coolant hose contact. The testing showed wear of the external wire insulation, leading to exposed copper which could result in corrosion, breakage and resistive shorts of the wire circuits. Analysis indicated that insufficient abrasion protection on the engine wire harness and additional stresses on the harness due to the clip may induce damage to the wires and/or pull out the electrical terminal pins in the Powertrain Control Module (PCM) connector.

Between April 2025 and May 2025, Ford conducted additional warranty review and inspected vehicles from the field. Based on this additional analysis, Ford was able to confirm that the engine coolant hose routing to the heater core had been relocated for 2025.5 MY F-150 vehicles equipped with 2.7L engines. For these vehicles, a coolant hose C-clip attachment to the engine wire harness may lead to abrasive contact between the coolant hose and the engine harness.

Ford is not aware of any warranty, field or customer reports related to this concern.

On **June 6, 2025**, 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.

Related NHTSA Recall Number:

Description of Remedy

Remedy Type: Inspect, Repair

Consumer Advisories: ☐ Do Not Drive ☐ Park Outside

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 engine wire harness inspected for chafing damage and repaired as needed. The coolant hose clip will be relocated and protective sleeving will be affixed to the engine wire harness. There will be no charge for this service.

How remedy component differs from recalled component:

The relocation of the coolant hose clip and the addition of protective sleeve material to the engine wire harness (SU5T-12C508-AEB) will protect the wire harness from chafing.

Identify how/when recall condition was corrected in production:

Not required per 49 Part 573.

Reimbursement Plan

Manufacturer used general reimbursement plan on file.

Part 573 Safety Recall Report

25V398

Recall Schedule

Description of recall schedule:

Notification to dealers is expected to occur on June 16, 2025. Mailing of interim owner notification letters is expected to begin July 28, 2025, and is expected to be completed by July 31, 2025. The date VINs are planned to be searchable is June 16, 2025.

Planned Dealer Notification Date: Jun 16, 2025 - Jun 16, 2025☐ No Dealers**Planned Interim Owner Notification Date:** Jul 28, 2025 - Jul 31, 2025☐ No Owners**Planned Remedy Owner Notification Date:**☐ Phased Recall**Date when VIN will be searchable:** Jun 16, 2025