Part 573 Safety Recall Report 24V-347

Manufacturer Name : Custom Truck And Body Works
Submission Date : JUN 17, 2024
NHTSA Recall No. : 24V-347
Manufacturer Recall No. : NR

Manufacturer Information :

Manufacturer Name : Custom Truck And Body Works
Address : 13787 Whitehouse Parkway
Woodbury GA 30293
Company phone : 7065539178

Population :

Number of potentially involved : 1
Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2020-2020 Ford F550
Vehicle Type : LIGHT VEHICLES
Body Style : 2-DOOR
Power Train : DIESEL
Descriptive Information : Recall products have a different firmware version than those not included in the recall
Production Dates : MAY 18, 2020 - AUG 03, 2020
VIN Range 1 : Begin : 1FD0X5HT2LED53169 End : 1FD0X5HT2LED53169 ☐ Not sequential

Description of Defect :

Description of the Defect : The electrical current sensing calibration was not produced to specification so that the firmware would not shut off the output pin under a short circuit caused bt external load or wiring failure
FMVSS 1 : NR
FMVSS 2 : NR
Description of the Safety Risk : In the event of a short circuit or wiring failure, if the electrical circuit become overloaded, depending on how the input-output node is wired into the vehicle including whether it is located near a flammable fuel source, there is an increased of heat related damage or fire.
Description of the Cause : NR
Identification of Any Warning that can Occur : None

Involved Components :

Component Name 1 :	8 x 16 Input-Output Node
Component Description :	Input - Output Node
Component Part Number :	6030-2000-00

Supplier Identification :

Component Manufacturer

Name :	Weldon Division of Akron Brass
Address :	3656 Paragon Drive Columbus Ohio 43228
Country :	United States

Chronology :

In early October 2023, Weldon was notified that eternal wiring in a vehicle using the node had melted. the part was returned to Weldon for analysis in mid-October where it was found that when an external short circuit occurred, the electrical output did not shut down as specified. Weldon conducted testing and analysis of the version of the node used in the vehicle as well as prior versions of the node and it was found that for the version of the node installed on the vehicle, the electrical current sensing calibration was outside the specified limits. Weldon found that the calibration was previously updated in production but was not considered to pose a broader concern at the time. On October 24, 2023, Weldon decided to conduct a safety recall to address the issue.

Description of Remedy :

Description of Remedy Program :	Will have the vehicle brought to our location to get the Node updated to the correct firmware
How Remedy Component Differs from Recalled Component :	Firmware version number on the device determines the range of devices that shall be recalled. Version 1.00 - 1.02 to be recalled
Identify How/When Recall Condition was Corrected in Production :	Will have the vehicle returned to our plant in order for the firmware to be updated and tested

Recall Schedule :

Description of Recall Schedule :	Will send a letter and phone call to the customer
Planned Dealer Notification Date :	NR - NR
Planned Owner Notification Date :	MAY 17, 2024 - MAY 31, 2024

* NR - Not Reported