

Part 573 Safety Recall Report

24V-818

Manufacturer Name : International Motors, LLC**Submission Date :** NOV 04, 2024**NHTSA Recall No. :** 24V-818**Manufacturer Recall No. :** 24515**Manufacturer Information :****Population :****Manufacturer Name :** International Motors, LLC**Number of potentially involved :** 105,276**Address :** 2701 Navistar Drive**Estimated percentage with defect :** 10 %**Lisle IL 60532****Company phone :** 331-332-1590**Vehicle Information :****Vehicle 1 :** 2021-2024 International Lonestar**Vehicle Type :** BUSES, MEDIUM & HEAVY VEHICLES**Body Style :** OTHER**Power Train :** DIESEL

Descriptive Information :

- The suspect population was identified by tractors or trucks that are equipped to tow air braked trailers, built 04/01/2020 thru 10/11/2024 with Bendix 6 Channel Antilock Brake System (ABS), or Bendix Antilock Brake System (ABS) with Automatic Traction Control (ATC) or Bendix Antilock Brake System (ABS) with Electronic Stability Program (ESP). Feature codes 0004AZS or 0004AZY or 004AZJ or 0004AZU or 0004AZV and with trailer connections 0004619 or tractor 0004092.
- As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E086, "Only Tractors or Trucks that pull trailers and that communicate over the Power Line Carrier (PLC) network are affected. Vehicles which do not pull trailers that communicate over the PLC network are not affected."

Production Dates : APR 01, 2020 - DEC 14, 2023**VIN Range 1 : Begin :**

NR

End : NR☐ Not sequential

Vehicle 2 : 2021-2025 International RH

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : • The suspect population was identified by tractors or trucks that are equipped to tow air braked trailers, built 04/01/2020 thru 10/11/2024 with Bendix 6 Channel Antilock Brake System (ABS), or Bendix Antilock Brake System (ABS) with Automatic Traction Control (ATC) or Bendix Antilock Brake System (ABS) with Electronic Stability Program (ESP). Feature codes 0004AZS or 0004AZY or 004AZJ or 0004AZU or 0004AZV and with trailer connections 0004619 or tractor 0004092.

• As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E086, "Only Tractors or Trucks that pull trailers and that communicate over the Power Line Carrier (PLC) network are affected. Vehicles which do not pull trailers that communicate over the PLC network are not affected."

Production Dates : APR 01, 2020 - OCT 08, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 3 : 2021-2025 International HV

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : • The suspect population was identified by tractors or trucks that are equipped to tow air braked trailers, built 04/01/2020 thru 10/11/2024 with Bendix 6 Channel Antilock Brake System (ABS), or Bendix Antilock Brake System (ABS) with Automatic Traction Control (ATC) or Bendix Antilock Brake System (ABS) with Electronic Stability Program (ESP). Feature codes 0004AZS or 0004AZY or 004AZJ or 0004AZU or 0004AZV and with trailer connections 0004619 or tractor 0004092

• As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E086, "Only Tractors or Trucks that pull trailers and that communicate over the Power Line Carrier (PLC) network are affected. Vehicles which do not pull trailers that communicate over the PLC network are not affected."

Production Dates : APR 01, 2020 - OCT 10, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 4 : 2021-2025 International MV

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : • The suspect population was identified by tractors or trucks that are equipped to tow air braked trailers, built 04/01/2020 thru 10/11/2024 with Bendix 6 Channel Antilock Brake System (ABS), or Bendix Antilock Brake System (ABS) with Automatic Traction Control (ATC) or Bendix Antilock Brake System (ABS) with Electronic Stability Program (ESP). Feature codes 0004AZS or 0004AZY or 004AZJ or 0004AZU or 0004AZV and with trailer connections 0004619 or tractor 0004092.

- As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E086, "Only Tractors or Trucks that pull trailers and that communicate over the Power Line Carrier (PLC) network are affected. Vehicles which do not pull trailers that communicate over the PLC network are not affected."

Production Dates : APR 01, 2020 - OCT 10, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 5 : 2021-2025 International LT

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : • The suspect population was identified by tractors or trucks that are equipped to tow air braked trailers, built 04/01/2020 thru 10/11/2024 with Bendix 6 Channel Antilock Brake System (ABS), or Bendix Antilock Brake System (ABS) with Automatic Traction Control (ATC) or Bendix Antilock Brake System (ABS) with Electronic Stability Program (ESP). Feature codes 0004AZS or 0004AZY or 004AZJ or 0004AZU or 0004AZV and with trailer connections 0004619 or tractor 0004092. • As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E086, "Only Tractors or Trucks that pull trailers and that communicate over the Power Line Carrier (PLC) network are affected. Vehicles which do not pull trailers that communicate over the PLC network are not affected."

Production Dates : APR 01, 2020 - OCT 10, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 6 : 2022-2022 International PROSTAR

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : • The suspect population was identified by tractors or trucks that are equipped to tow air braked trailers, built 04/01/2020 thru 10/11/2024 with Bendix 6 Channel Antilock Brake System (ABS), or Bendix Antilock Brake System (ABS) with Automatic Traction Control (ATC) or Bendix Antilock Brake System (ABS) with Electronic Stability Program (ESP). Feature codes 0004AZS or 0004AZY or 004AZJ or 0004AZU or 0004AZV and with trailer connections 0004619 or tractor 0004092.

- As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E086, "Only Tractors or Trucks that pull trailers and that communicate over the Power Line Carrier (PLC) network are affected. Vehicles which do not pull trailers that communicate over the PLC network are not affected."

Production Dates : JAN 20, 2021 - JAN 20, 2021

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Vehicle 7 : 2021-2025 International HX

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : • The suspect population was identified by tractors or trucks that are equipped to tow air braked trailers, built 04/01/2020 thru 10/11/2024 with Bendix 6 Channel Antilock Brake System (ABS), or Bendix Antilock Brake System (ABS) with Automatic Traction Control (ATC) or Bendix Antilock Brake System (ABS) with Electronic Stability Program (ESP). Feature codes 0004AZS or 0004AZY or 004AZJ or 0004AZU or 0004AZV and with trailer connections 0004619 or tractor 0004092.

- As reported in Bendix Commercial Vehicle Systems, LLC's defect report for recall 24E086, "Only Tractors or Trucks that pull trailers and that communicate over the Power Line Carrier (PLC) network are affected. Vehicles which do not pull trailers that communicate over the PLC network are not affected."

Production Dates : APR 01, 2020 - OCT 10, 2024

VIN Range 1 : Begin :

NR

End : NR

☐ Not sequential

Description of Defect :

Description of the Defect : • As reported in Bendix Commercial Vehicle Systems, LLC's Part 573 Defect Report for Recall 24E086, "EC80 is an electronic control unit mounted on a towing vehicle. It is a component of an antilock braking system. Power Line Carrier (PLC) is a trailer to tractor communication system that sends a signal on the electrical connection between the tractor and trailer. PLC purpose is to control the cab mounted trailer-ABS indicator lamp in the towing vehicle. In the presence of high electrical interference (i.e. noise) on the vehicle power line and low PLC signal strength, the EC80 PLC functionality may incorrectly process certain signals. The EC80 may set a fault or stop operating or malfunction. The combination of high electrical interference and low PLC signal strength is more likely on vehicles that tow more than one trailer than vehicles that tow only one trailer. The PLC signal strength may be substantially reduced when other optional devices are connected to the power line. These optional devices include trailer based tracking systems. Vehicles with low noise levels and high signal strength may never exhibit the vehicle effects.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : • As reported in Bendix Commercial Vehicle Systems, LLC's Part 573 Defect Report for Recall 24E086, "The ABS, Automatic Traction Control (ATC), or Electronic Stability Control (ESC) may set an ABS fault or may stop operating. Other functions which strongly interact with ABS such as Active Cruise Control (ACC) and Collision Mitigation System (CMS) may also fault. In extremely rare situations before the system faults or stops operating, if there is a stability event or an automated braking request, the system may respond incorrectly to the event. This can increase the likelihood of a crash."

Description of the Cause : NR

Identification of Any Warning that can Occur : • As reported in Bendix Commercial Vehicle Systems, LLC's Part 573 Defect Report for Recall 24E086, "The ABS warning lamp will be illuminated when an ABS fault is detected or when the ABS stops operating."

Involved Components :

Component Name 1 : EC80 Advanced Electronic Control Units

Component Description : ATC ECU; 4178, ESP ECU; 1518

Component Part Number : 4045850C3 4045851C3 4055088C3 4055089C3 4288644C2 4288638C2 4288643C2 4045853C3 4055091C3 4104387C2

Component Name 2 : EC80 Advanced Electronic Control Units

Component Description : ATC ECU; 4178, ESP ECU; 1518

Component Part Number : 4288644C1 4288638C1 4288643C1

Supplier Identification :

Component Manufacturer

Name : Bendix Commercial Vehicle Systems, LLC

Address : 35500 Chester RD
AVON Ohio 44011

Country : United States

Chronology :

05/17/2024 - Bendix communicates to International that Bendix received reports from certain customers that vehicles pulling double trailers experience fault codes. Bendix requests additional data on fault codes to support its ongoing review.

06/01 - 10/01/2024 - International provides additional fault code data to Bendix.

10/10/2024 - Bendix communicates to International that the ABS ECU PLC functionality may incorrectly process certain signals. The ECU may set a fault, stop operating, or malfunction.

10/12/2024- International initiates a delivery stop of Bendix's ECU and vehicles at the assembly plants, finding 2,770 vehicles, and established the clean point at Escobedo and San Antonio.

10/14/2024- International begins production with correct programming at International Assembly Plants.

10/15/2024- Bendix provides a draft copy of its Part 573 Defect Information Report to International.

10/21/2024- International inspects and quarantines suspect parts at its distribution centers.

10/23/2024- International finalizes the suspect population.

10/24/2024- International declares a Safety Recall.

Description of Remedy :

Description of Remedy Program :	<ul style="list-style-type: none">As reported in Bendix Commercial Vehicle Systems, LLC's Part 573 Defect Report for Recall 24E086, "The remedy will include reprogramming the EC80 ECU with software that does not include the defect."International Motors, LLC's plan for reimbursement of pre-notification remedies, on file with NHTSA and dated 06/07/2024 applies and reimbursement instructions will be included in the customer notification.
How Remedy Component Differs from Recalled Component :	<ul style="list-style-type: none">As reported in Bendix Commercial Vehicle Systems, LLC's Part 573 Defect Report for Recall 24E086, "the remedy software does not contain the defective PLC functionality. A unique software ID number(s) has been assigned to remedy versions of the software."
Identify How/When Recall Condition was Corrected in Production :	<ul style="list-style-type: none">As reported in Bendix Commercial Vehicle Systems, LLC's Part 573 Defect Report for Recall 24E086, "Production of EC80 electronic control units with the defective software was stopped in early October 2024. No further shipments were made to vehicle manufacturers. Production of EC80 electronic control units resumed with the remedy software mid-October."

Recall Schedule :

Description of Recall Schedule :	<ul style="list-style-type: none">When parts are available, remedy instructions and owner notifications will be distributed. Tentative schedule as indicated.
Planned Dealer Notification Date :	DEC 16, 2024 - DEC 16, 2024
Planned Owner Notification Date :	DEC 23, 2024 - DEC 23, 2024

* NR - Not Reported