

Part 573 Safety Recall Report

24V-646

Manufacturer Name : E-One Incorporated

Submission Date : SEP 05, 2024

NHTSA Recall No. : 24V-646

Manufacturer Recall No. : NR



Manufacturer Information :

Manufacturer Name : E-One Incorporated

Address : 1601 S.W. 37TH AVENUE

Ocala FL 34474

Company phone : (904) 237-1122

Population :

Number of potentially involved : 28

Estimated percentage with defect : 100 %

Vehicle Information :

Vehicle 1 : 2022-2024 E-ONE CYCLONE 2, CYCLONE N, TYPHOON N

Vehicle Type : BUSES, MEDIUM & HEAVY VEHICLES

Body Style : OTHER

Power Train : DIESEL

Descriptive Information : The recall population was determined by the vehicles that are equipped with the affected engine crossmember. The recalled products differ from other products by the part number of the engine crossmember.

QTY: 3 – 2022 CYCLONE 2 vehicles are affected

QTY: 1 – 2023 CYCLONE 2 vehicles are affected

QTY: 2 – 2022 CYCLONE N vehicles are affected

QTY: 6 – 2023 CYCLONE N vehicles are affected

QTY: 2 – 2024 CYCLONE N vehicles are affected

QTY: 6 – 2022 TYPHOON N vehicles are affected

QTY: 7 – 2023 TYPHOON N vehicles are affected

QTY: 1 – 2024 TYPHOON N vehicle is affected

Production Dates : FEB 17, 2022 - FEB 29, 2024

VIN Range 1 : Begin : 4ENLAAA80N1004958 **End :** 4ENLAHA89P2005628

Not sequential

Description of Defect :

Description of the Defect : The X15 crossmember may break near the mounting points.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : If the crossmember breaks, the engine cooling fan could contact the engine cooling fan shroud breaking the fan blades off, making the vehicle inoperable and increasing the risk of a crash.

Description of the Cause : The defect is caused by an engineering error in the design.

Identification of Any Warning that can Occur : Likely no warning will precede the failure.

Involved Components :

Component Name 1 : X15 ENGINE CROSSMEMBER

Component Description : CROSSMEMBER,X15 ENG MNT PNTD & CROSSMEMBER,X15 ENG MNT GALV

Component Part Number : 1112160 & 1112223

Supplier Identification :

Component Manufacturer

Name : NR

Address : NR

NR

Country : NR

Chronology :

9 July 2024 - E-ONE was informed that a customer's trucks fan had broken. Upon inspection it was determined that the cause was the engine crossmember had broken, allowing the fan to contact the fan shroud.

11 July 2024 - E-ONE found cracks in another crossmember that was in testing at E-ONE.

15 July 2024 - E-ONE determined the truck population.

19 July 2024 - Engineering created a repair kit.

1 August 2024 - Repair kit was installed and tested.

12 August 2024 - E-One Safety Committee reviewed the issue and decided to recommend a recall.

15 August 2024 - E-One completed draft DIR and sent to REV Group Product Compliance Group for decision.

22 August 2024 - Final version of DIR prepared for discussion with REV Group Safety Committee.

26 August 2024 - Approval received from REV Group Safety Committee to proceed with a Recall.

Description of Remedy :

Description of Remedy Program : Owner and Dealer Notices will be sent by E-ONE for the affected units. Owners will contact the Dealers to have the necessary components installed.

Dealers will be required to contact E-ONE Customer Service, for the affected vehicles, to obtain a rework kit, and a crossmember if applicable, and install them as directed. The rework kit consists of two (2) brackets and the hardware necessary to install them. During the inspection of the crossmember, if any cracks are found in the crossmember, then the crossmember will also need to be replaced. The estimated repair time is five (5) hours for the rework kit only and eight (8) hours if the crossmember also needs to be replaced and the rework kit installed.

E-ONE will provide the necessary components free of charge. E-ONE will compensate the Dealer or Owner for installing the new components provided free of charge. There is no charge to the Dealer or the Owner for this Recall.

If you have already paid to have your E-ONE vehicle repaired for this condition, you may be eligible for reimbursement of the charges you paid for the repair or replacement of components. To learn more about what you need to do to obtain reimbursement call E-ONE Customer Service at 1-352-237-1122 and instructions will be provided. Please have your truck's VIN available.

How Remedy Component Differs from Recalled Component : CROSSMEMBER,X15 ENG MNT PNTD, Part number 1112160 and CROSSMEMBER,X15 ENG MNT GALV, Part number 1112223

Identify How/When Recall Condition was Corrected in Production : All vehicles in Production with the affected crossmembers were identified and Red Tagged in production to prevent shipping until the crossmember is inspected for cracks, replaced if cracks are found and installation is modified per Engineering instructions by adding support brackets. All future vehicles will incorporate the support brackets as standard components in the installation of the crossmembers.

Recall Schedule :

Description of Recall Schedule : 1) Email dealers a copy of the recall approximately 1 week before customers.
2) Mail customers the recall

Planned Dealer Notification Date : SEP 06, 2024 - SEP 13, 2024

Planned Owner Notification Date : SEP 16, 2024 - SEP 25, 2024

* NR - Not Reported