

Safety Defect and Noncompliance Report Guide for Vehicles
PART 573 Defect and Noncompliance Report¹

On 4-12-2013, E-One Incorporated [MFR] decided that a noncompliance which relates to motor vehicle safety exists in the motor vehicles listed below, and is furnishing notification to the National Highway Traffic Safety Administration in accordance with **49 CFR Part 573 Defect and Noncompliance Reports**.

Date this report was prepared: 4-15-2013

Furnish the manufacturer's identification code for this recall (if applicable): 4EN

1. Identify the full corporate name of the fabricating manufacturer of the vehicle being recalled. If the recalled vehicle is imported, provide the name and mailing address of the designated agent as prescribed by 49 U.S.C. §30164.

E-One Incorporated.

1701 SW. 37th Ave. Post Office Box 2710

Ocala, Florida 34478-2710

Identify the corporate official, by name and title, which the agency should contact with respect to this recall.

Billy Miles Director of Operations

1601 SW. 37th Ave. Ocala, Florida. 34474

Telephone Number: 352-861-3223 Fax No.: 352-237-2999

Name and Title of Person who prepared this report.

William F. McCombs , Principle Engineer

Signed:



¹Each manufacturer must furnish a report, to the Associate Administrator for Safety Assurance, for each defect or noncompliance condition which relates to motor vehicle safety.

This guide was developed from 49 CFR Part 573, "Defect and Noncompliance Reports" and also outlines information currently requested. Any questions please consult the complete Part 573 or contact Mr. Jon White at (202) 366-5227 or by FAX at (202) 366-7882.

I. Identify the Vehicle Models Involved in the Recall

2. Identify the Vehicles Involved in the Recall, for each make and model or applicable vehicle line (provide illustrations or photographs as necessary to describe the vehicle), provide:

Make(s): Emergency One Fire Fighting Chassis Model Years Involved: 2011 through 2013

Model(s): Chassis Models Cyclone II,

Production Dates: Beginning: April-22-2011 Ending: 2-08-2013

VIN Range: Beginning: 4EN3ABA82B1006406 Ending: 4ENLABA87D1007585

Vehicle Type: Fire Fighting Vehicle Body Style: Fire Truck Pumper, Aerial

Descriptive information which characterizes/distinguishes the recalled vehicles from those model vehicles not included in the recall:

The notification involves the above listed chassis model that have certain models of Meritor axles with MGM brand of piston air parking brake actuators installed. Meritor is recalling (Recall 13E-012) the MGM Type 24 J-Series Piston Parking Brake Actuators installed on their axles which are installed on some E-One Cyclone II model chassis.

Identify the approximate percentage of the production of all the recalled models manufactured by your company between the inclusive dates of manufacture provided above, that the recalled model population represents. For example, if the recall involved Widgets equipped with certain items of equipment from January 1, 1996 through April 1, 1997, then what was the percentage of the recalled Widgets of all Widgets manufactured during that time period? 100% of models equipped with Meritor axles with the MGM Type 24 Series Parking Brake Actuator,

II. Identify the Recall Population

3. Furnish the total number of vehicles recalled potentially containing the defect or noncompliance.

Number of Vehicles: (10) Ten vehicles

Models: Chassis Models Cyclone II (10) Units

Total Number Potentially Affected by the Recall: (10) Units

4. Furnish the approximate percentage of the total number of vehicles estimated to actually contain the defect or noncompliance: 100% of units with theMGM Type 24 Series Parking Brake Actuator.

Identify and describe how the recall population was determined--in particular how the recalled models were selected and the basis for the beginning and final dates of manufacture

of the recalled vehicles:

Meritor notified E-One that they were recalling (Recall 13E-012) certain models of axles supplied to E-One between November 23, 2010 and October 22, 2013 that are equipped with an MGM Type 24 J-Series Piston Parking Brake Actuator.

E-One is recalling all vehicles equipped with the recalled axles installed on vehicles manufactured by E-One.

III. Describe the Defect or Noncompliance

5. Describe the defect or noncompliance. The description should address the nature and physical location of the defect or noncompliance. Illustrations should be provided as appropriate.

Certain Meritor supplied axles have Parking Brake actuators manufactured by MGM Brakes. The actuators have a design change that was implemented and according to field reports, inadvertently allows for intermittent leakage of air past the seal in the actuator. If insufficient air pressure exists, a spring within the actuator becomes uncaged and applies force to the brake. Depending on the amount of leakage, the brake can drag while the vehicle is in service or prevent the wheel from rotating, possibly resulting in elevated operating temperatures and / or a wheel end fire.

Describe the cause(s) of the defect or noncompliance condition.
Seal leakage in the MGM brand of parking brake actuator.

Describe the consequence(s) of the defect or noncompliance condition.
Leaking actuator seal may cause the parking brake to drag while the vehicle is in motion, possibly causing the brake assembly to overheat and cause a wheel end fire. This would increase the risk of loss of braking and a crash.

Identify any warning which can (a) precede or (b) occur.
The vehicle operation feels sluggish due to the parking brake dragging. The smell of overheated heated brake pads. Smoke or flames emanating from the brakes and wheel end area.

If the defect or noncompliance is in a component or assembly purchased from a supplier, identify the supplier by corporate name and address.
Meritor , 2135 West Maple Road, Troy, Michigan 48084

Identify the name and title of the chief executive officer or knowledgeable representative of

the supplier:

Charles Smith Director of Quality North America 800-535-5560

IV. Provide the Chronology in Determining the Defect/Noncompliance

If the recall is for a defect, complete item 6, otherwise item 7.

6. With respect to a defect, furnish a chronological summary (including dates) of all the principle events that were the basis for the determination of the defect. The summary should include, but not be limited to, the number of reports, accidents, injuries, fatalities, and warranty claims.

On April 9th, E-One received a letter from Meritor Director of Quality North America explaining that Meritor was recalling certain models of axles equipped with an MGM Brand Type 24 J-Series Piston parking Brake Actuators. At that time E-One started a search of our data base to determine A) which vehicles had the recalled Meritor axles installed and B) if E-One had received any reports of malfunctioning brake actuators or brake fires. Although E-One can find no evidence of customer complaints or reports of dragging brakes, brake fires, accidents, injuries, fatalities or warranty claims we determined to proceed with a recall on 04-12-2013

With respect to a noncompliance, identify and provide the test results or other data (in chronological order and including dates) on which the noncompliance was determined.

E-One received notification from Meritor on 4-09-2013 that they were recalling certain axles (Recall 13E-012) manufactured between November 23, 2010 and October 22, 2012. E-One Identified (10) units manufactured between 4-22-2011 and 2-08-2013 that are equipped with the recalled axles. E-One decided to recall the 10 units on 4-12-2013

V. Identify the Remedy

8. Furnish a description of the manufacturer's remedy for the defect or noncompliance. Clearly describe the differences between the recall condition and the remedy.

E-One is working with Meritor and E-One Dealers/Service Centers will inspect the axle and the MGM Parking Brake Actuator for operation and the date code per Meritor Technical Bulletin TP-1338 MGM Brake Chamber Inspection and Replacement Bulletin.

Should the MGM Brake Actuator be one of the affected date codes it will be replaced at no charge to the customer. E-One will notify the owner and provide the quarterly reporting to NHTSA.

Clearly describe the distinguishing characteristics of the remedy component/assembly versus the recalled component/assembly.
If the current MGM Brake Parking Brake Actuator has a date code between November 23, 2010 and March 31, 2012 it will be replaced with a new actuator at no cost to the owner.

Identify and describe how and when the recall condition was corrected in production. If the production remedy was identical to the recall remedy in the field, so state. If the product was discontinued, so state.

All inventory is being inspected and replaced with new components were required for installation on upcoming production trucks. All new axles being shipped by Meritor have the updated new components.

VI. Identify the Recall Schedule

Furnish a schedule or agenda (with specific dates) for notification to other manufacturers, dealers/retailers, and purchasers. Please, identify any foreseeable problems with implementing the recall.

E-One expects to notify customers on/or by April 30th 2013. Meritor OnTrac Customer Service Centers have replacement Actuators available for immediate replacement.

VII. Furnish Recall Communications

9. Furnish a final copy of all notices, bulletins, and other communications that relate directly to the defect or noncompliance and which are sent to more than one manufacturer, distributor, or purchaser. This includes all communications (including both original and follow-up) concerning this recall from the time your company determines the defect or noncompliance condition on, not just the initial notification. A *DRAFT copy of the notification documents should be submitted to this office by Fax (202-366-7882) for review prior to mailing.*

E-One is to notify the owners of the vehicles. See attached Draft Notification letter.