

# Part 573 Safety Recall Report

# 19E-010

**Manufacturer Name :** Hickory Springs Manufacturing Company

**Submission Date :** FEB 08, 2019

**NHTSA Recall No. :** 19E-010

**Manufacturer Recall No. :** NR



## Manufacturer Information :

## Population :

**Manufacturer Name :** Hickory Springs Manufacturing Company

**Number of potentially involved :** 6,786

**Address :** 235 Second Avenue NW

**Estimated percentage with defect :** 100 %

P.O. Box 128 Hickory NC 28603

**Company phone :** 800 438 5341

## Equipment Information :

**Brand / Trade 1 :** CE White / HSM Solutions

**Model :** FB11-39 LTM DRW

**Part No. :** 200617-39-202

**Size :** 39"

**Function :** Barrier

**Descriptive Information :** The affected population was determined by identifying the total number of FB11-39 DRW Restraining Barriers were manufactured from 3/31/2015 through 2/1/2019. This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

**Production Dates :** MAR 31, 2015 - FEB 01, 2019

**Brand / Trade 2 :** CE White / HSM Solutions

**Model :** FB11-39 LTM DRW

**Part No. :** 200617-39-213

**Size :** 39"

**Function :** Barrier

**Descriptive Information :** This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

**Production Dates :** MAR 31, 2015 - FEB 01, 2019

**Brand / Trade 3 :** CE White / HSM Solutions

**Model :** FB11-39 RTM DRW

**Part No. :** 200618-39-204

**Size :** 39"

**Function :** Barrier

**Descriptive Information :** The affected population was determined by identifying the total number of FB11-39 DRW Restraining Barriers were manufactured from 3/31/2015 through 2/1/2019. This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

**Production Dates :** MAR 31, 2015 - FEB 01, 2019

**Brand / Trade 4 :** CE White / HSM Solutions

**Model :** FB11-39 LTM DRW

**Part No. :** 2000617-39-204

**Size :** 39"

**Function :** Barrier

**Descriptive Information :** The affected population was determined by the total number of FB11-39 DRW Restraining Barriers manufactured from 3/31/2015 to 2/1/2019. This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

**Production Dates :** MAR 31, 2015 - FEB 01, 2019

**Brand / Trade 5 :** CE White / HSM Solutions

**Model :** FB11-39 LTM DRW

**Part No. :** 200617-39-206

**Size :** 39"

**Function :** Barrier

**Descriptive Information :** This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

**Production Dates :** MAR 31, 2015 - FEB 01, 2019

Brand / Trade 6 : CE White / HSM Solutions

Model : FB11-39 LTM DRW

Part No. : 200617-39-211

Size : 39"

Function : Barrier

**Descriptive Information :** This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

**Production Dates :** MAR 31, 2015 - FEB 01, 2019

Brand / Trade 7 : CE White / HSM Solutions

Model : FB11-39 RTM DRW

Part No. : 200618-39-201

Size : 39"

Function : Barrier

**Descriptive Information :** The affected population was determined by identifying the total number of FB11-39 DRW Restraining Barriers were manufactured from 3/31/2015 through 2/1/2019. This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

**Production Dates :** MAR 31, 2015 - FEB 01, 2019

Brand / Trade 8 : CE White / HSM Solutions

Model : FB11-39 RTM DRW

Part No. : 200618-39-202

Size : 39"

Function : Barrier

**Descriptive Information :** The affected population was determined by identifying the total number of FB11-39 DRW Restraining Barriers were manufactured from 3/31/2015 through 2/1/2019. This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

Production Dates : MAR 31, 2015 - FEB 01, 2019

Brand / Trade 9 : CE White / HSM Solutions

Model : FB11-39 RTM DRW

Part No. : 200618-39-206

Size : 39"

Function : Barrier

Descriptive Information : The affected population was determined by identifying the total number of FB11-39 DRW Restraining Barriers were manufactured from 3/31/2015 through 2/1/2019. This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

Production Dates : MAR 31, 2015 - FEB 01, 2019

Brand / Trade 10 : CE White / HSM Solutions

Model : FB11-39 RTM DRW

Part No. : 200618-39-211

Size : 39"

Function : Barrier

Descriptive Information : The affected population was determined by identifying the total number of FB11-39 DRW Restraining Barriers were manufactured from 3/31/2015 through 2/1/2019. This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

Production Dates : MAR 31, 2015 - FEB 01, 2019

Brand / Trade 11 : CE White / HSM Solutions

Model : FB11-39 RTM DRW

Part No. : 200618-39-213

Size : 39"

Function : Barrier

Descriptive Information : The affected population was determined by identifying the total number of FB11-39 DRW Restraining Barriers were manufactured from 3/31/2015 through 2/1/2019. This model Restraining Barrier is only sold to Collins Bus Corporation. The affected product is the Restraining Barrier FB11-39 DRW. The

affected restraining barriers may be distinguished by measuring the width of the restraining barrier back, confirming a width of 39-inches. The model number and part number may also be used to confirm identification of affected restraining barriers.

Production Dates : MAR 31, 2015 - FEB 01, 2019

## Description of Noncompliance :

Description of the Noncompliance : HSM Solutions has determined that FB11-39 DRW Restraining Barriers manufactured by HSM Solutions and sold to Collins Bus Corporation may not comply with the restraining barrier forward performance requirements of CFR 49.571.222. Specifically, the restraining barrier may not meet the minimum requirements for energy absorption, as defined by the regulation. HSM has determined that a component is missing from the restraining barrier assembly since the start of production on 3/31/2015.

FMVSS 1 : 222 - School bus passenger seating and crash protection

FMVSS 2 : NR

Description of the Safety Risk : HSM has determined that there is an increased risk of injury to unbelted seat occupant(s) in a vehicle hard braking situation or vehicle crash event. In a hard braking or crash event, the occupant(s) may contact the back of the restraining barrier, resulting in injury.

Description of the Cause : The cause of this non-compliance has been determined to be a missing component of the restraining barrier assembly. This component serves the purpose to reinforce an area of the restraining barrier frame that as a propensity to tear during the forward performance test of FMVSS 222 causing the applied force to cross the lower boundary of the force vs. deflection curve, as stated in the regulation.

Identification of Any Warning that can Occur : There is no audible or visual warning which would precede an event.

## Supplier Identification :

### Component Manufacturer

Name : Norco Industries

Address : 2600 Jeanwood Drive  
Elkhart INDIANA 46514

Country : United States

## Chronology :

January 11, 2019 - HSM was informed by Collins Bus that Transport Canada had informed them that a restraining barrier in a Collins school bus had failed to meet the requirements of section 10 of CMVSS 222 (similar to S5.2 of CFR 49.571.222).

January 16, 2019 - HSM and Collins was informed by Transport Canada that a second restraining barrier had failed to meet the forward performance requirement.

February 1, 2019 - HSM informs Collins and Transport Canada that there is indeed an issue resulting in a potential non-compliance with the restraining barrier for Collins and a recall is necessary. Shipment of the restraining barrier was stopped to Collins Bus until all existing restraining barriers could be repaired. This product is also installed on Collins school buses sold and operated in the United States.

February 8, 2019 - HSM submits a 573 report to NHTSA

## Description of Remedy :

**Description of Remedy Program :** HSM has developed a remedy which requires an extra part to be installed on the restraining barrier that will reinforce the area of the barrier frame where tearing was noticed in testing. The extra part will be attached utilizing a bolt and hole already in existence on the barrier frame. HSM will facilitate repairs via the Dealer/Service Agent or the Customer. HSM will provide parts a Service Repair Procedure (SRP) which will provide instruction on how the repair must be conducted to the servicing agent upon receipt of a completed HSM Recall Parts Kit Order Card. The expected out of service time necessary to affect repairs is 2 minutes per barrier. HSM will reimburse the cost of repairs relating to this recall, including both parts and labor, at no cost to the manufacturer/Dealer or to the vehicle owner. Parts for this recall are anticipated to be available for shipment on or before 2/15/2019.

**How Remedy Component Differs from Recalled Component :** The affected restraining barriers may be distinguished by measuring the width of the back of the restraining barrier, confirming a width of 39-inches, and visually inspecting the barrier to confirm the absent of the missing component (any barrier manufactured before 2/4/2019 will not have the required component).

**Identify How/When Recall Condition was Corrected in Production :** The recall remedy, installing the component as described in the "Identify the Remedy" section will be used to repair all existing barrier frames at HSM and at Collins Bus until a permanent production remedy is implemented. The permanent production remedy will be welding an additional steel angle to the barrier structure. The permanent production remedy is planned to be in production no later than 2/19/2019. The recall remedy will be used until the production remedy is in place. Shipment of this barrier was stopped on 2/1/2019 with the plan to resume shipment with the recall remedy in place on or before 2/13/2019.

## Recall Schedule :

Description of Recall Schedule : Notification is planned to no later than 2/25/2019. This recall only affects one customer - Collins Bus Corporation.

Planned Dealer Notification Date : FEB 25, 2019 - MAR 01, 2019

Planned Owner Notification Date : FEB 25, 2019 - MAR 01, 2019

## Purchaser Information :

The following manufacturers purchased this defective/noncompliant equipment for possible use or installation in new motor vehicles or new items of motor vehicle equipment:

Name : Collins Bus Corporation

Address : 415 W. 6th St. Rec. Dock A South  
Hutchinson KS 67505

Country : US

Company Phone : 8005331850

\* NR - Not Reported