

# Part 573 Safety Recall Report

# 22E-008

**Manufacturer Name :** Intermotive**Submission Date :** MAY 16, 2022**NHTSA Recall No. :** 22E-008**Manufacturer Recall No. :** NR**Manufacturer Information :**

Manufacturer Name : Intermotive

Address : 12840 Earhart Ave

Auburn CA 95602

Company phone : 8231048

**Population :**

Number of potentially involved : 514

Estimated percentage with defect : 1 %

**Equipment Information :**

Brand / Trade 1 : Intermotive

Model : PRPC

Part No. : S-M1521-xx

Size : NR

Function : Power Managemen

**Descriptive Information :** The time frame of the four failures reported by Forest River were modules that were installed from 6/14/2021 - 8/30/2021. After analysis by Intermotive Engineering, it was determined that if two specific conditions occur ( mask mis-registration and contamination are present) dendritic growth could occur and short the power and ground plains. Both Forest River and Intermotive removed all assemblies with the suspect date code (0919) by 12/31/2021. The four defects were found prior to any busses being put in service and are considered infant mortality. Forest River Identified 1762 buses built in the time frame from 06/01/2021-01/18/2022 . While zero defects have occurred from PRPC's shipped to other customers, it was decided that we recall the PRPC's shipped in this time frame and provide the solution to prevent the defect from occurring. Intermotive has identified 514 units shipped within this time frame and could potentially have the suspect PCB date code

Production Dates : JUN 01, 2021 - JAN 18, 2022

**Description of Defect :**

**Description of the Defect :** Intermotive has determined that a small percentage of date code 0919 pcbs used for the PRPC had mask mis-registration causing exposed copper. Lab analysis showed the evidence of dendritic growth which caused the short between the power and ground planes. The failure happened after installation and prior to the busses being put into service. All four were infant mortality.

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : The power to ground short causes excessive heating and the potential for combustion. All components are appropriately spec'd to UL 94v0 flammability rating so the chance for combustion prior to the short opening up is extremely small.

Description of the Cause : Dendritic growth occurred between the power and ground planes causing thermal destruction of the module.

Identification of Any Warning that can Occur : NR

## Involved Components :

Component Name : PRPC

Component Description : Programable Relay Power Center

Component Part Number : S-M1521-xx

## Supplier Identification :

### Component Manufacturer

Name : Intermotive

Address : 12840 Earhart Ave  
Auburn California 956002

Country : United States

## Chronology :

Forest River notified Intermotive of the first failures on 10/27/2021, 11/23/2021, 11/30/221 and 127/2021.

## Description of Remedy :

Description of Remedy Program : Intermotive will provide all parts and labor free of charge to customers who identify assemblies with date code 0919. Customers can contact Intermotive Warranty at 530-823-1048 xt 103. Warranty will immediately send out a replacement harness for the repair and offer the necessary technical support during installation

**How Remedy Component Differs from Recalled Component :** The remedy is adding a fused data link harness that will prevent the thermal event from occurring.

**Identify How/When Recall Condition was Corrected in Production :** All remaining assemblies with date code 0919 have been removed from the supply chain. Additional high magnification inspection requirements are now in place for pcb's to identify any exposed copper from the PCB vendors

## Recall Schedule :

**Description of Recall Schedule :** Intermotive has the utmost urgency to resolve this recall quickly and efficiently. Intermotive will send a suspected serial number list to our customers once a formal NHTSA id is provided.

**Planned Dealer Notification Date :** MAR 07, 2022 - MAR 07, 2022

**Planned Owner Notification Date :** MAR 07, 2022 - MAR 07, 2022

## 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 :** A&J Mobility

**Address :** 1330 Midvalley  
Valders WI 54245

**Country :** US

**Company Phone :** NR

**Name :** American Transportation

**Address :** 3133 E South St Long Beach  
Long Beach CA 90805

**Country :** US

**Company Phone :** NR

**Name :** Advanced Automotive

**Address :** 7528 Burnet Rd  
Austin TX 78757

**Country :** US

**Company Phone :** NR

**Name :** Atlantic Bus Sales

**Address :** 1200 S. Dixie HWY  
Pompano Beach CA 22060

**Country :** US

**Company Phone :** NR

Name : A-Z Bus - Colton  
Address : 1900 South Riverside Ave  
Colton CA 92324  
Country : US  
Company Phone : NR

Name : A-Z Bus - Sacramento  
Address : 3418 52nd Ave  
Sacramento CA 95823  
Country : US  
Company Phone : NR

Name : Badger Bus  
Address : 5501 Femrite Drive  
Madison WI 53718  
Country : US  
Company Phone : NR

Name : Baehrs Automotive  
Address : 1224 Montlimar dr.  
Mobile AL 36609  
Country : US  
Company Phone : 251-34-9157

Name : Brickell Complete Auto  
Address : 795 SW 6th St  
Miami FL 33130  
Country : US  
Company Phone : NR

Name : Bus Service  
Address : 3153 Lamb Ave  
Columbus OH 43219  
Country : US  
Company Phone : NR

Name : Buses at Loganville  
Address : 5314 Holley Brooke Lane  
Loganville GA 30052  
Country : US  
Company Phone : NR

Name : Butler Automotive Service Center  
Address : 14720 Southlawn Ln  
Rockville MD 20850  
Country : US  
Company Phone : NR

Name : Camco Wheel & Axle  
Address : 1105 W, Furguson St  
Pharr TX 78577  
Country : US  
Company Phone : 956-781-4800

Name : Carpenter Bus Sales, Inc.  
Address : 132 Royal Oaks  
Franklin TN 37067  
Country : US  
Company Phone : NR

Name : Challenger Transportation  
Address : 8210 Beechcraft Ave  
Gaithersburg MD 20879  
Country : US  
Company Phone : 301 990-6000

Name : Checkered Flag Auto Bus Inc  
Address : 236 Seaman Ct  
Westbury NY 11590  
Country : US  
Company Phone : NR

Name : Chris Mobility  
Address : 18386 Ostego Dr  
Fort Myers FL 33967  
Country : US  
Company Phone : NR

Name : City of Lompoc  
Address : 1300 West Laurel Ave  
Lompoc CA 93436  
Country : US  
Company Phone : NR

Name : City of Sioux City  
Address : 1821 18th street  
Sioux City IA 51105  
Country : US  
Company Phone : NR

Name : Coach and Equipment Mfg.  
Address : 130 Horizon Park  
Pen Yan NY 14527  
Country : US  
Company Phone : NR

Name : Colonial Bus  
Address : 5171 Intercoastal Court  
Monrovia MD 21770  
Country : US  
Company Phone : NR

Name : Continental RV  
Address : 39 Allen Blvd Ste C  
Farmingdale NY 11735  
Country : US  
Company Phone : NR

Name : Creative Bus Sales  
Address : 14740 Ramona Ave  
Chino CA 91710  
Country : US  
Company Phone : NR

Name : Creative Bus Sales (Carlstadt)  
Address : 51 Kero Rd  
Carlstadt NJ 07072  
Country : US  
Company Phone : (800) 272-6521

Name : Creative Bus Sales (Jacksonvil  
Address : 8600 Atlantic Blvd  
Jacksonville FL 32211  
Country : US  
Company Phone : 909-993-5040

Name : Creative Mobility Wayne, MI  
Address : 33073 Michigan Ave  
Wayne MI 48184  
Country : US  
Company Phone : NR

Name : Delacy Ford  
Address : 3061 Transit Rd  
Elma NY 14059  
Country : US  
Company Phone : NR

Name : Driverge Vehicle Innovations  
Address : 1090 West Wilbeth Road  
Akron OH 44314  
Country : US  
Company Phone : NR

Name : Driverge Vehicle Innovations  
Address : 1090 West Wilbeth Road  
Akron OH 44314  
Country : US  
Company Phone : NR

Name : Driverge Vehicle Innovations  
Address : 1090 West Wilbeth Road  
Akron OH 44314  
Country : US  
Company Phone : NR

Name : Empire Transportation, INC.  
Address : 340 Mountain Ave  
Perris CA 92570  
Country : US  
Company Phone : NR

Name : Fast Serv Medical  
Address : 1329 Driftwood Dr  
Bossier LA 71111  
Country : US  
Company Phone : NR

Name : G&M Service Center, Inc  
Address : 7901-5 Hill Park Court  
Lorton VA  
Country : US  
Company Phone : NR

Name : Hogle Bus  
Address : 116 E Oakwood Drive  
Monticello MN 55362  
Country : US  
Company Phone : NR

Name : Lafayette Limo  
Address : 2525 Komdike Road  
West Lafayette IN 47906  
Country : US  
Company Phone : NR

Name : Leader Emergency Vehicles  
Address : 10941 Weaver Ave South  
El Monte CA 91733  
Country : US  
Company Phone : NR

Name : Lewis Bus Group  
Address : 1009 Recreation Way North  
Salt Lake City UT 84054  
Country : US  
Company Phone : NR

Name : Mobility Medical  
Address : 748 N, Harbor City Blvd  
Melbourne FL 32935  
Country : US  
Company Phone : NR

Name : Maricopa Ambulance  
Address : 10243 N. 19th Ave  
Phoenix AZ 85021  
Country : US  
Company Phone : NR

Name : Masters Transportation  
Address : 800 Quik Trip Way  
Belton MO 64012  
Country : US  
Company Phone : NR

Name : Medford Truck And Auto  
Address : 11 Hall St  
Medford MA 02155  
Country : US  
Company Phone : NR

Name : Mid Atlantic Mobility  
Address : 19708 Old York Rd  
White Hall MD 21161  
Country : US  
Company Phone : NR

Name : Mid-South Bus Center  
Address : 3512 Bill Smith Dr  
Murfreesboror TN 37129  
Country : US  
Company Phone : NR

Name : Mike Fraser Auto Repair  
Address : 1204 7th st  
Cordele GA 31015  
Country : US  
Company Phone : (229) 273-0652

Name : Mobility Systems  
Address : 2857 Oak Grove Rd  
Hattiesburg MS 39402  
Country : US  
Company Phone : NR

Name : Mobility Works  
Address : 810 Moe Dr  
Akron OH 44310  
Country : US  
Company Phone : NR

Name : NAPA Store #245  
Address : 11857 Metro Parkway  
Fort Myers FL 33966  
Country : US  
Company Phone : NR

Name : New England Wheels  
Address : 33 Manning Rd  
Brillrica MA 01821  
Country : US  
Company Phone : NR

Name : Northwest Bus Sales  
Address : 33207 Pacific Hwy South  
Federal Way WA 98003  
Country : US  
Company Phone : NR

Name : On Site Fleet Service  
Address : 36 Edgeboro Rd  
East Brunswick NJ 08816  
Country : US  
Company Phone : NR

Name : Optimal EV  
Address : 29449 Old US Hwy 33 , IN 46516  
Elkhart IN 46516  
Country : US  
Company Phone : NR

Name : Overland Custom Coach (2007) Inc.  
Address : 21051 Nissouri Road Thorndale  
Ontario 00 n0m2p0  
Country : CA  
Company Phone : NR

Name : Penske Truck Leasing Vernon  
Address : 2727 S. Santa Fe Ave  
Vernon CA 90058  
Country : US  
Company Phone : NR

Name : Quality Van Sales, Inc.  
Address : 49 Old Colony Road  
Norton MA 02766  
Country : US  
Company Phone : NR

Name : Regency Taxi  
Address : 8201 Shouffer School Road  
Gathersburg MD 20879  
Country : US  
Company Phone : NR

Name : Rohrer Bus Sales  
Address : PO BOX 100  
Routes 11&15 Duncannon PA 17020  
Country : US  
Company Phone : NR

Name : Ruben Fleet  
Address : 4730 Leopard St  
Corpus Christi TX 78408  
Country : US  
Company Phone : NR

Name : Siddons-Martin Emergency Group  
Address : 3500 Shelby ln  
Denton TX 76207  
Country : US  
Company Phone : NR

Name : Sioux City Transit  
Address : 509 Nebraska st  
Sioux City IA 51101  
Country : US  
Company Phone : 7122796405

Name : Sonny Merryman, Inc.  
Address : PO Box 495  
Rustburg 24588  
Country : US  
Company Phone : NR

Name : Southern Bus & Mobility  
Address : PO Box 37 Breese  
Breese IL 62230  
Country : US  
Company Phone : NR

Name : Sunset Empire Transportation District  
Address : 465 NE Skipanon Dr  
Warrenton OR 97146  
Country : US  
Company Phone : NR

Name : TESCO  
Address : PO Box 167230  
Oregon OH 43616  
Country : US  
Company Phone : NR

Name : The Bus Center Acworth  
Address : 110 HOLT INDUSTRIAL CIRCLE  
ACWORTH GA 30101  
Country : US  
Company Phone : NR

Name : The Bus Center of Atlanta LLC  
Address : 1400 McCain Parkway  
Pelham PA 35124  
Country : US  
Company Phone : NR

Name : Three Guys Garage  
Address : 4904 Augusta Rd  
Garden City GA  
Country : US  
Company Phone : 9129649222

Name : Verizon Fleet  
Address : PO Box 152134  
Irving TX 75015  
Country : US  
Company Phone : NR

Name : Walker Auto and Truck TAX  
Address : 600 NC Hwy 86 North  
Hillsborough NC 27278

Country : US  
Company Phone : NR

Name : Wolfington Body Company, Inc,  
Address : PO Box 218  
Exton PA 19341

Country : US  
Company Phone : NR

Name : Forest River  
Address : 900 County Rd 1  
Elkhart IN 46514

Country : US  
Company Phone : 5748258530

\* NR - Not Reported