

# Technical Bulletin

Bulletin No: TCH-023-006

Effective Date: 9/5/2019

Cancels: N/A

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Subject: **Bendix® ADB22X™ Air Disc Brake on School Buses - Voluntary Recall**

## **General**

Bendix Spicer Foundation Brake LLC is conducting a voluntary safety recall campaign, **Recall No.: 19E030** involving the Bendix® ADB22X™ Air Disc Brake. This is limited to ADB22X brakes that were manufactured between January 1, 2009 and November 27, 2018, inclusive and installed on the left (driver's side) rear axles of Blue Bird®, Navistar®, and Thomas Built® school buses.

## **Problem Description:**

The ADB22X on the left (driver's side) rear corner of the bus may experience an unintended reduction in the gap between the brake pad and rotor (running clearance) during operation which can lead to a dragging brake and/or a melted wheel speed sensor. In the context of this voluntary safety recall, a dragging brake is defined as a brake that has zero gap between the pad and the rotor (running clearance) – with no pressure applied by the driver for a period – until the pad wears and re-establishes the gap between the pad and the rotor. If the issue arises, the vehicle stopping distance still meets regulatory requirements.

## **Vehicles Affected:**

This issue has been observed on school bus applications, potentially affecting any school bus equipped with an air disc brake in the left (driver's side) rear wheel end position. This action does not impact ADB22X air disc brakes manufactured prior to or after the stated dates.

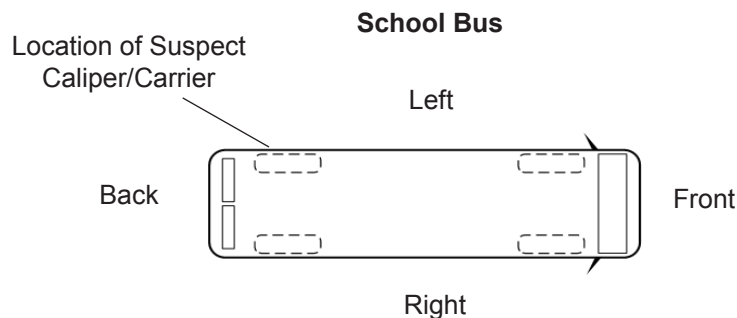
## **What You Need To Do:**

**School buses in service** - Inspect all Blue Bird, Navistar, and Thomas Built school buses for the presence of a caliper/carrier assembly that is within the parameters of this recall. (See the *Identification* section below.) If you have a vehicle with a caliper/carrier that is impacted by the recall, contact the vehicle OE manufacturer for specifics about how to proceed with the recall replacement.

## **Identification:**

The Bendix ADB22X calipers included in the recall kits are marked with two (2) green paint dots as indicated in Figure 1. The dots are positioned on the caliper such that at least one should be visible from underneath the bus in any installation. The presence of a green dot on the brake caliper indicates the caliper/carrier was replaced per the recall campaign and no further action is necessary. If the caliper has not been replaced as a part of the recall campaign the suspect caliper/carrier can be identified by the serialized production code located on the caliper. Verification is required to determine if the brake assembly is a part of the recall campaign. Air disc brakes that are a part of this campaign must meet the following criteria:

1. Installed on the left (driver's side) rear axle of a Blue Bird, Navistar, or Thomas Built school bus; and
2. The date of manufacture is between January 1, 2009 and November 27, 2018, inclusive. To verify the serialized production code see *Interpreting the Serialized Production Code* on the following page.



### Interpreting the Serialized Production Code

The serialized production code is on the identification label that is located on the caliper casting in the fixed pin area. See the image below. Locate the Serialized Production Code – removing the paint coating, if necessary – to read the code. Disregard the Work Team Number, Shift of Manufacture, Manufacturing Plant, Production Line, and Shift Number codes shown in gray below. The portion of the serialized production code that determines the date of manufacture is highlighted and can be interpreted as follows:

- The first field is the month (A=January, B=February, etc. – excluding the letter I – so that J=September, and so on),
- The next two fields are the day of the month (e.g. 01 = 1<sup>st</sup>); and
- The next two fields are the year (e.g. 18=2018)

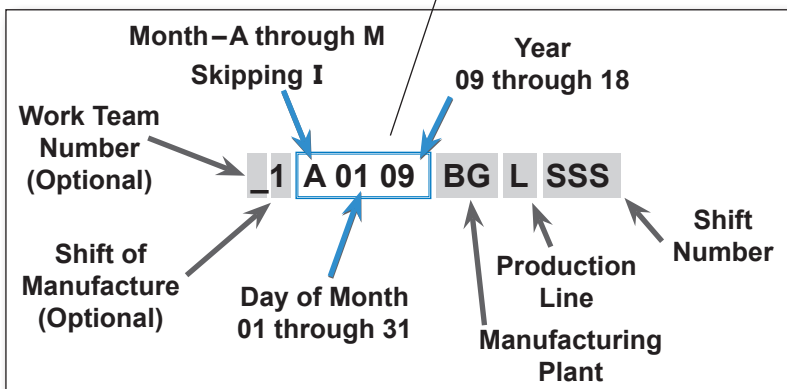
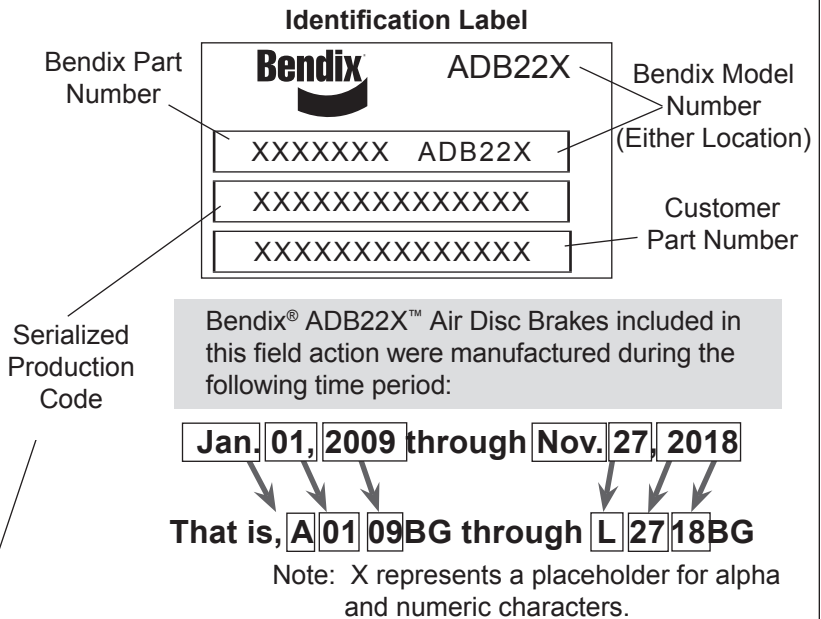
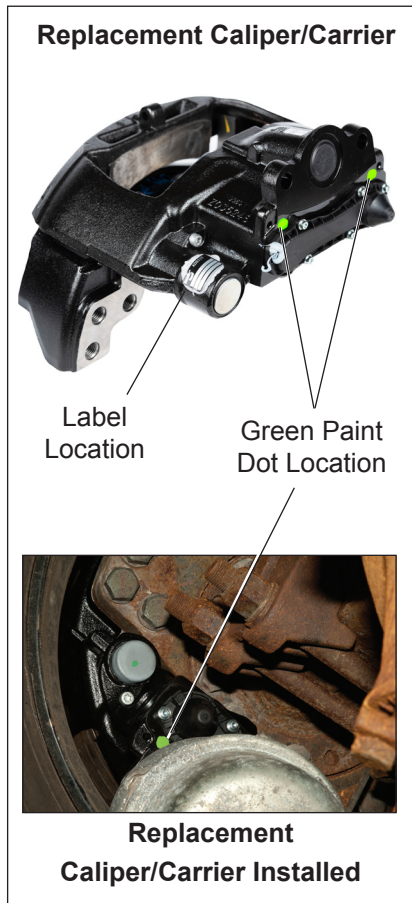


Figure 1

**Part Numbers Affected by the Recall:**

The following Bendix® ADB22X™ Air Disc Brake assembly part numbers are affected by this recall:

<b>Bendix® ADB22X™ Air Disc Brake Part Number</b>	
K025427	K107383
K057377	K107385
K057385	K107416
K073424	K124375
K081143	K136549
K081257	

**Administering the Recall:**

Navistar® and Thomas Built® have chosen to administer the recall for their customers. All recall repairs for customers owning these vehicles must be processed through the appropriate dealer.

Bendix is administering the recall for Blue Bird® bus owners. Quantify the number of vehicles impacted by the recall then submit a request for the quantity of kits needed to Bendix at [22XSBcampaign@bendix.com](mailto:22XSBcampaign@bendix.com). Be sure to include the quantity needed, a contact name, and a delivery address. To obtain a recall remedy kit, owners must submit a completed Blue Bird Caliper Order Form, BW7622, as indicated below.

### Blue Bird Bus Customers Only

**Obtaining a Remedy Kit:**

Visit the Product Action Center within the Services & Support section of our website at ([http://www.bendix.com/en/servicessupport/recallcenter/recallcenter\\_1.jsp](http://www.bendix.com/en/servicessupport/recallcenter/recallcenter_1.jsp)) on bendix.com. Download the Blue Bird Caliper Order Form, BW7622. Complete the order form electronically – saving the completed form onto your computer – or print and complete. Ensure that all of the required information is provided.

Submit the completed Blue Bird Caliper Order Form to Bendix in one of two ways:

- Email all documents to [22XSBcampaign@bendix.com](mailto:22XSBcampaign@bendix.com) (preferred method); or,
- Send via U.S. Mail/Canadian Post to:

Bendix Commercial Vehicle Systems LLC  
Attention: ADB22X Campaign  
901 Cleveland Street  
Elyria, OH 44035

**Submitting a Labor Claim:**

To start the reimbursement process, contact Blue Bird Body Company or your local Blue Bird dealership to obtain a Labor Reimbursement Form. This form should be remitted to Blue Bird per the instructions on the form. Please return the replaced caliper core – in the packaging from the recall remedy kit – to Bendix within 60 days to expedite the reimbursement process.

**Returning the Caliper Core:**

Returning 1 - 2 cores: Package the caliper cores in the packaging from the recall remedy kits. Include a copy of the claim form associated with each caliper along with the shipment. Rebox the caliper cores and return them to Bendix via UPS using Acct. Number 2AT516.

Returning 3 or more cores: Palletize the caliper cores for shipment. Include a copy of the claim form associated with each caliper along with the shipment. Download and complete the Return Shipment Information form from the Product Action Center within the Services & Support section of the Bendix website at ([http://www.bendix.com/en/servicessupport/recallcenter/recallcenter\\_1.jsp](http://www.bendix.com/en/servicessupport/recallcenter/recallcenter_1.jsp)). Contact Central Transport at (586) 467-1900 to coordinate a pick up. All return shipments will be at no expense to the shipper.

**How to Contact Us:**

Please telephone the Bendix Recall Assistance Center, at **1-800-478-1793**, with any questions you may have about this voluntary safety recall campaign. Representatives are available Monday–Friday, 8:00 a.m.–5:00 p.m. ET for your convenience. You may also email the recall center any time at [22XSBcampaign@bendix.com](mailto:22XSBcampaign@bendix.com).

**For technical support, call the Tech Team at 1-800-AIR-BRAKE (1-800-247-2725)  
8 a.m.–6 p.m. Monday–Thursday and 8 a.m.–5 p.m. Friday EDT**



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