



S21BK

August 25, 2021

To: Affected Dealers

Subject: S21BK: Ford 7.3L Engine Misfire Code

Models Affected: Model Year: Certain 2022
Model: Vision School Bus

Bulletin Duration: One (1) Year from Date of Issue

Overview:

Certain 2022 model year Blue Bird Vision School Bus units that are equipped with a ROUSH CleanTech 7.3L V8 gasoline or propane engine, with or without an air pump, Roush and Blue Bird have identified a concern with falsely setting misfire codes. This may or may not be combined with fuel gauge accuracy concerns and these concerns may cause a check engine light to be illuminated.

Affected Units:

Roush and Blue Bird is voluntarily issuing a Service Bulletin for the following:

- Certain model year 2022 Blue Bird Vision School Buses
 - Manufactured from May 3, 2021 through July 16, 2021

A separate printout will be provided listing all buses in your territory that are affected by this service bulletin. Service Bulletin S21BK will be mailed to all owners on record. Be sure to review your list and advise of any incorrect owner names and/or addresses.

Repair Parts:

No additional parts/items are required to perform Service Bulletin S21BK. Please reference the Roush Instructions and reference the link to obtain a Voucher Code.

Labor Reimbursement

Complete ROUSH CleanTech warranty claim for reimbursement. A warranty claim was automatically generated when obtaining your voucher code. Reprogramming is covered using operation RCTE04B – Powertrain Control Module (PCM) - Reprogramming and pays 0.5 hours at your current established warranty labor rate. Once flashing is completed, you can attach a copy of your Repair Order (RO) to the case for payment. Roush CleanTech will notify Blue Bird Campaigns Administration of the completion of Service Bulletin S21BK.

The Roush CleanTech, LLC. contact for Service Bulletin S21BK campaign is as follows:

Customer Service

1-800-59-ROUSH (OPT2)

support@roushcleantech.com

www.roushcleantech.com/service

or



BLUE BIRD®

Blue Bird Body Company
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Mario Genovese
Field Operations Manager
Roush CleanTech, LLC
12170 Globe Street
Livonia, Michigan 48150
Office: (734) 466-6738
E-mail: mario.genovese@roush.com

Time Allowance:

Time allowed to perform the flash is .5 hours (30 minutes).

Completion Notification:

To request reimbursement for completed repairs, please reference the details within the Roush Instructions.

Bulletin Duration:

This Service Bulletin ends one (1) year from date of issue.

Repair Facility:

Owners are advised to contact their Blue Bird Dealer or Roush CleanTech Authorized Service Centers for completion of this repair.

Questions:

Questions regarding Service Bulletin S21BK should be directed to:

ROUSH CleanTech Customer Service
1-800-59-ROUSH (800-597-6874), opt 2
support@roushcleantech.com
www.roushcleantech.com/service

Regards,

Lisa Hancock

Engineering Services
Blue Bird Corporation
3920 Arkwright Road, Suite 200, Macon, Georgia 31210
Phone 478.822.2242
lisa.hancock@blue-bird.com



S21BK

August 25, 2021

To: Affected Blue Bird Owner

Subject: S21BK: Ford 7.3L Engine Misfire Code

Models Affected: Model Year: Certain 2022
Model: Vision School Bus

Bulletin Duration: One (1) Year from Date of Issue

Overview:

Certain 2022 model year Blue Bird Vision School Bus units that are equipped with a ROUSH CleanTech 7.3L V8 gasoline or propane engine, with or without an air pump, Roush and Blue Bird have identified a concern with falsely setting misfire codes. This may or may not be combined with fuel gauge accuracy concerns and these concerns may cause a check engine light to be illuminated.

Affected Units:

Roush and Blue Bird is voluntarily issuing a Service Bulletin for the following:

- Certain model year 2022 Blue Bird Vision School Buses
 - Manufactured from May 3, 2021 through July 16, 2021

A separate printout will be provided listing all buses in your territory that are affected by this service bulletin. Be sure to review your list and advise of any incorrect owner names and/or addresses.

Repair Parts:

No additional parts/items are required to perform Service Bulletin S21BK.

Labor Reimbursement

Complete ROUSH CleanTech warranty claim for reimbursement. A warranty claim was automatically generated when obtaining your voucher code. Reprogramming is covered using operation RCTE04B – Powertrain Control Module (PCM) - Reprogramming and pays 0.5 hours at your current established warranty labor rate. Once flashing is completed, you can attach a copy of your Repair Order (RO) to the case for payment. Roush CleanTech will notify Blue Bird Campaigns Administration of the completion of Service Bulletin S21BK.

The Roush CleanTech, LLC. contact for Service Bulletin S21BK campaign is as follows:

Customer Service

1-800-59-ROUSH (OPT2)

support@roushcleantech.com

www.roushcleantech.com/service

or

BLUE BIRD BODY COMPANY

P.O. Box 937 – 402 Blue Bird Blvd – Fort Valley, Georgia – (478) 825-2021

Mario Genovese
Field Operations Manager
Roush CleanTech, LLC
12170 Globe Street
Livonia, Michigan 48150
Office: (734) 466-6738
E-mail: mario.genovese@roush.com

Time Allowance:

Time allowed to perform the flash is .5 hours (30 minutes).

What Roush Will Do:

At no cost to you, ROUSH CleanTech will authorize your local Blue Bird Service Center to perform a PCM software update on the vehicle.

What You Should Do:

At your earliest convenience, please contact your local Blue Bird Dealer or Roush CleanTech Authorized Service Center to arrange for the update to be completed.

Bulletin Duration:

This Service Bulletin ends one (1) year from date of issue. To ensure the proper operation of your vehicle, it is recommended that you have this service completed on your vehicle as soon as possible.

Questions:

Questions regarding Service Bulletin S21BK should be directed to:

ROUSH CleanTech Customer Service

1-800-59-ROUSH (800-597-6874), opt 2

support@roushcleantech.com

www.roushcleantech.com/service

Thank you for your prompt attention to this matter.

August 25, 2021

To: ROUSH CleanTech Authorized Service Centers
Blue Bird Service Centers

Subject: S21BK: Ford 7.3L Engine Misfire Code

Applicable Model(s)/VINs:

2022 Gasoline and Propane Blue Bird Vision Buses with 7.3L V8 with or without Air Pump Option

Description:

Roush and Blue Bird is voluntarily issuing a Service Bulletin for the following:

- Certain model year 2022 Blue Bird Vision School Buses
 - Manufactured from May 3, 2021 through July 16, 2021

On some Blue Bird buses that are equipped with a ROUSH CleanTech 7.3L V8 gasoline or propane engine, with or without an air pump, we have identified a concern with falsely setting misfire codes. This may or may not be combined with fuel gauge accuracy concerns and these concerns may cause a check engine light to be illuminated.

Tools Needed

- Most up-to-date version of the ROUSH Diagnostic Tool (<https://rdt.roush.com/RoushRDT/>)
 - A stable internet connection and a fully powered laptop are required to complete this procedure.
- Voucher Code (see end of the document for more information)

Procedure:

This procedure needs to be completed in the exact order of operation listed below to ensure that the concern remediated.

1. Connect the 16-pin connector on your approved scan tool device to the bus OBD II port, with the USB end plugging into the USB port on your laptop.
 - a. A stable internet connection and a fully powered laptop are required to complete this procedure.
2. Open a RDT session and ensure that the software is up-to-date and the correct pass-through device is selected at the top of the screen.
 - a. If RDT is not up-to-date, update the software to the most recent version of RDT and restart the program.
 - b. If the correct device is not selected, use the drop-down menu to select the correct device and restart the program.
3. Identify the vehicle by clicking 'Vehicle ID' on the left side of the screen.
4. Once the vehicle is ID'd, select 'Module Programing' on the left side of the screen.
5. Next, select 'Vehicle Parameters' from the buttons at the center of the screen.
 - a. Note: If a "No IPC Connection" warning appears, click 'OK.'
6. Click 'Read Module' at the bottom left of the screen.
7. Ensure the key is in the ON position (with the engine OFF) and click 'OK'. The current vehicle parameters will appear in the "Module Value" column.

- a. If red text pops up on the top of the screen that reads "Module Requires an Update. Press the Write Configuration button to start the update", **click 'Update Module.'**
 - b. If the text does not pop up, then the update has already been performed and skip to step 8.
 - c. The status window on the left side of RDT will alert you that the "Module Parameters Read Successful" when the procedure is complete.
8. Next, flash the PCM.
 - a. Please follow steps 1-4 to begin the PCM Flashing procedure.
9. After completing steps 1-4, click on 'PCM Flash.'
10. Enter in the voucher code that was provided to you by ROUSH CleanTech Technical Support.
11. Click 'Redeem Now.'
12. Click 'Flash' and 'OK.'
13. Follow the onscreen instructions to ensure that the flash completes properly.

Parts Information

If installation or replacement of retention is required, labor and parts are warrantable.

Part	Qty.
Voucher Code (Please see the link below to request a voucher code. For multiple vehicles, send in one request for all of the vehicles) https://rctws.force.com/rct/s/pcm-voucher-request	1

Warranty Information

If installation or replacement of retention is required, labor and parts are warrantable.

Labor Operation Code	Standard Labor Time
RCTE04B – Powertrain Control Module (PCM) - Reprogramming	.5

Questions/Assistance:

ROUSH CleanTech Customer Service
 1-800-59-ROUSH (800-597-6874), opt 2
support@roushcleantech.com
www.roushcleantech.com/service