



S16YN

April 11, 2016

To: Blue Bird Owner

Subject: S16YN
Rear Air Disc Brake Axle Shaft Flange Nut Replacement

Models Affected: Model Year: Certain 2015-2017
Model: Vision and All American
School Bus and Non-School Bus

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

Overview:

Certain 2015 through 2017 model year Blue Bird Visions and All Americans School and Non-School units equipped with optional Air Disc Brakes manufactured from November 15, 2013, through February 17, 2016, will require replacement of the existing rear axle flange nuts with a new non-locking nut and star washer. The new rear axle shaft nuts reduces the possibility for oil leaking between the axle shaft and hub.

Affected Units:

On the subject buses, the possibility exists for an oil leak between the axle shaft and hub. To correct this it is necessary to replace the existing rear axle flange lock nuts with a new non-locking nut and star washer. Parts should be ordered through **Blue Bird Service Parts** to replace the existing rear axle flange lock nut.

Repair Parts:

The Parts List outlined on Page 3 of the Instructions details the parts required to perform Service Bulletin S16YN and should be ordered through **Blue Bird Service Parts**. Parts are currently available.

Time Allowance:

Time allowed for Nut Replacement in each bus is 0.8 hours.

Time allowed for Nut Replacement and Gasket One Side 0.9 hours.

Time allowed for Nut Replacement and Gasket Both Sides 1.4 hours.

Completion Notification:

If you perform this service bulletin yourself or have an outside repair facility perform this bulletin, please notify your Blue Bird Dealer when the repair is completed. Send the body number, repair date, and odometer reading to your Blue Bird Dealer. If you request reimbursement for labor, also send a copy of the work order/invoice to your Blue Bird Dealer.

BLUE BIRD BODY COMPANY

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

If the modification directed by this notification was performed on your unit prior to the receipt of this notification, you may be eligible to receive reimbursement for the cost of obtaining a pre-notification remedy of the subject matter of the campaign. Please provide a copy of all receipts to campaignparts@blue-bird.com.

Bulletin Duration:

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

Repair Facility:

We encourage you to contact your Blue Bird dealer to arrange to have this Service Bulletin performed. However, you may elect and have the option to perform this Service Bulletin yourself or have a qualified repair facility convenient to you perform this work. A qualified technician must perform work required under this bulletin.

Questions:

Questions regarding this bulletin should be directed to your Blue Bird Field Service Engineer.

Regards,

Lisa Hancock

Lisa Hancock
Engineering Services
402 Blue Bird Blvd.
Fort Valley, GA 31030
Phone: 478-822-2242
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Rear Air Disc Brake Axle Shaft Flange Nut Replacement

Models Affected: 2015 through 2017 Vision and All American with Air Disc Brakes

ISSUE

Rear axle shaft flange nut torque reduces allowing for oil leak between the axle shaft and hub.

CORRECTIVE ACTION

Replace the existing rear axle flange lock nut with a new non-locking nut and star washer. Request that the Service Manual be updated by technician to show new nut and torque.

PROCEDURE

WARNING: Always follow all Federal, State, Local and Shop safety standards and use proper safety equipment, and thoroughly read and understand all instructions before performing these procedures.

NUT AND WASHER REPLACEMENT PROCEDURE

1. Park bus on level surface, turn off engine, remove ignition key, and chock wheels.
2. To reduce the possibility of the stud being removed when removing locknut, remove the paint from the existing rear axle shaft flange studs.
3. Remove and discard the first lock nut and star washer.
4. Replace the hardware in Step 3 with a new star washer 01540103 and a new non locking nut 02001501.
5. Torque nut to 60-70 ft-lb.
6. If a stud comes out during removal of locknut, remove the locknut from the stud and reinstall the stud into the hub. Torque stud to 60 to 70 ft-lb.
7. Remove the next lock nut and star washer in a "star" pattern.
8. Repeat Steps 3 to 6 until all eight star washers and lock nuts are replaced.
9. Re-torque all nuts to 170-180 ft-lb. in a "star" pattern.

NOTE 1: If there is a leak at the rear axle flange gasket, remove and discard all eight locknuts and star washers. Replace gasket, install axle shaft, and install eight new star washers 01540103 and new non-locking nuts 02001501. Torque all eight nuts per Step 9 above.

NOTE 2: Update your Blue Bird Service Manual to show new non-locking nut and new torques.

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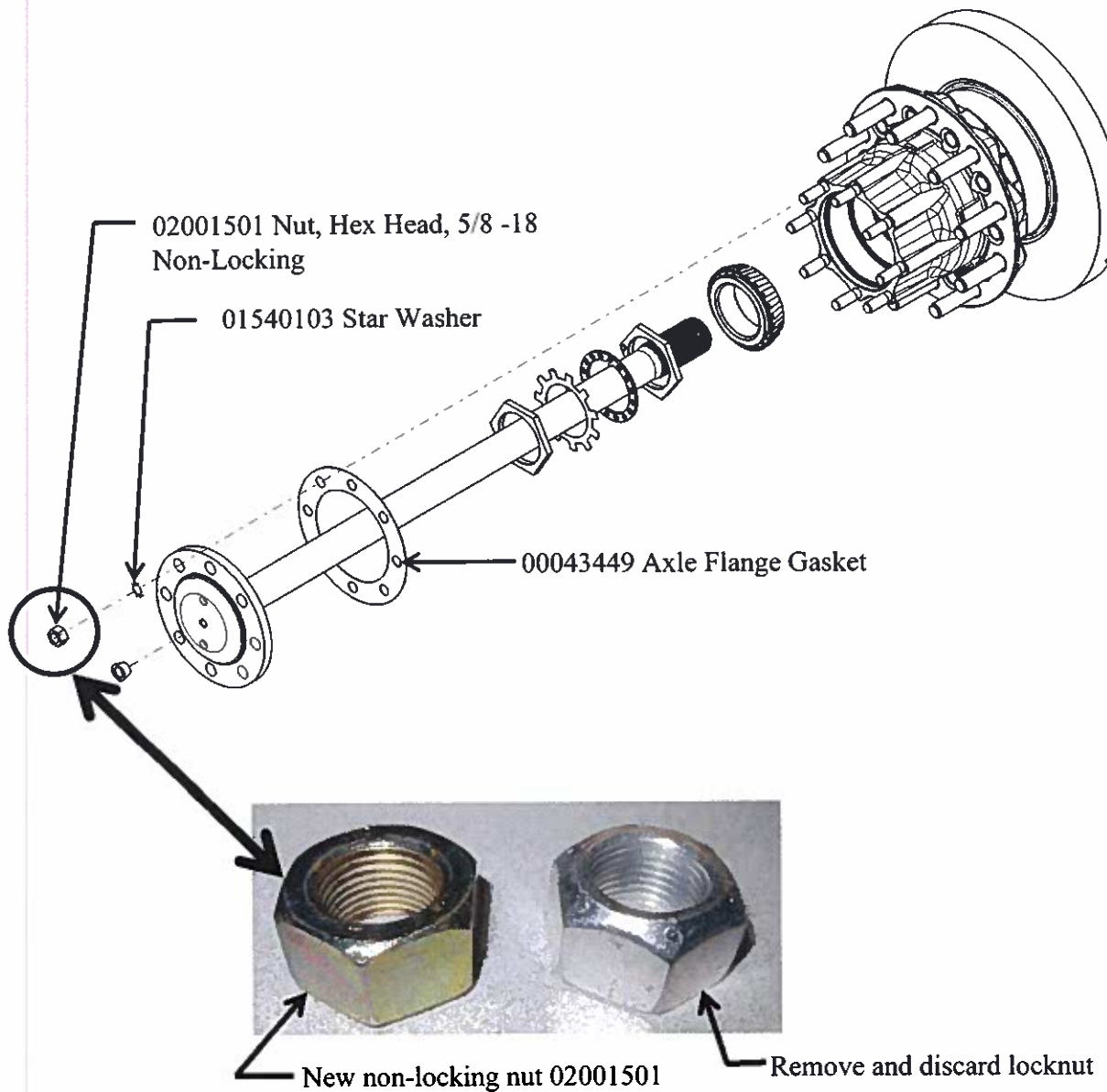


Rear Air Disc Brake Axle Shaft Flange Nut Replacement

BULLETIN

S I 6 Y N

S E R V I C E B U L L E T I N



REAR AIR DISC BRAKE



Rear Air Disc Brake Axle Shaft Flange Nut Replacement

PARTS LIST FOR REPLACING ALL NUTS WITH NO FAILED GASKETS

PART NUMBER	DESCRIPTION	QUANTITY
02001501	NUT,HEX HD,5/8-18 YEL ZN DICH	16
01540103	WASHER,STAR, .62 , ZINC PLATED	16

PARTS LIST FOR REPLACING ALL NUTS WITH ONE FAILED GASKET

PART NUMBER	DESCRIPTION	QUANTITY
02001501	NUT,HEX HD,5/8-18 YEL ZN DICH	16
01540103	WASHER,STAR, .62 , ZINC PLATED	16
00043449	GASKET	1

PARTS LIST FOR REPACING ALL NUTS WITH TWO FAILED GASKETS

PART NUMBER	DESCRIPTION	QUANTITY
02001501	NUT,HEX HD,5/8-18 YEL ZN DICH	16
01540103	WASHER,STAR, .62 , ZINC PLATED	16
00043449	GASKET	2