



Rear Air Disc Brake Axle Shaft Flange Nut Replacement

BULLETIN

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.

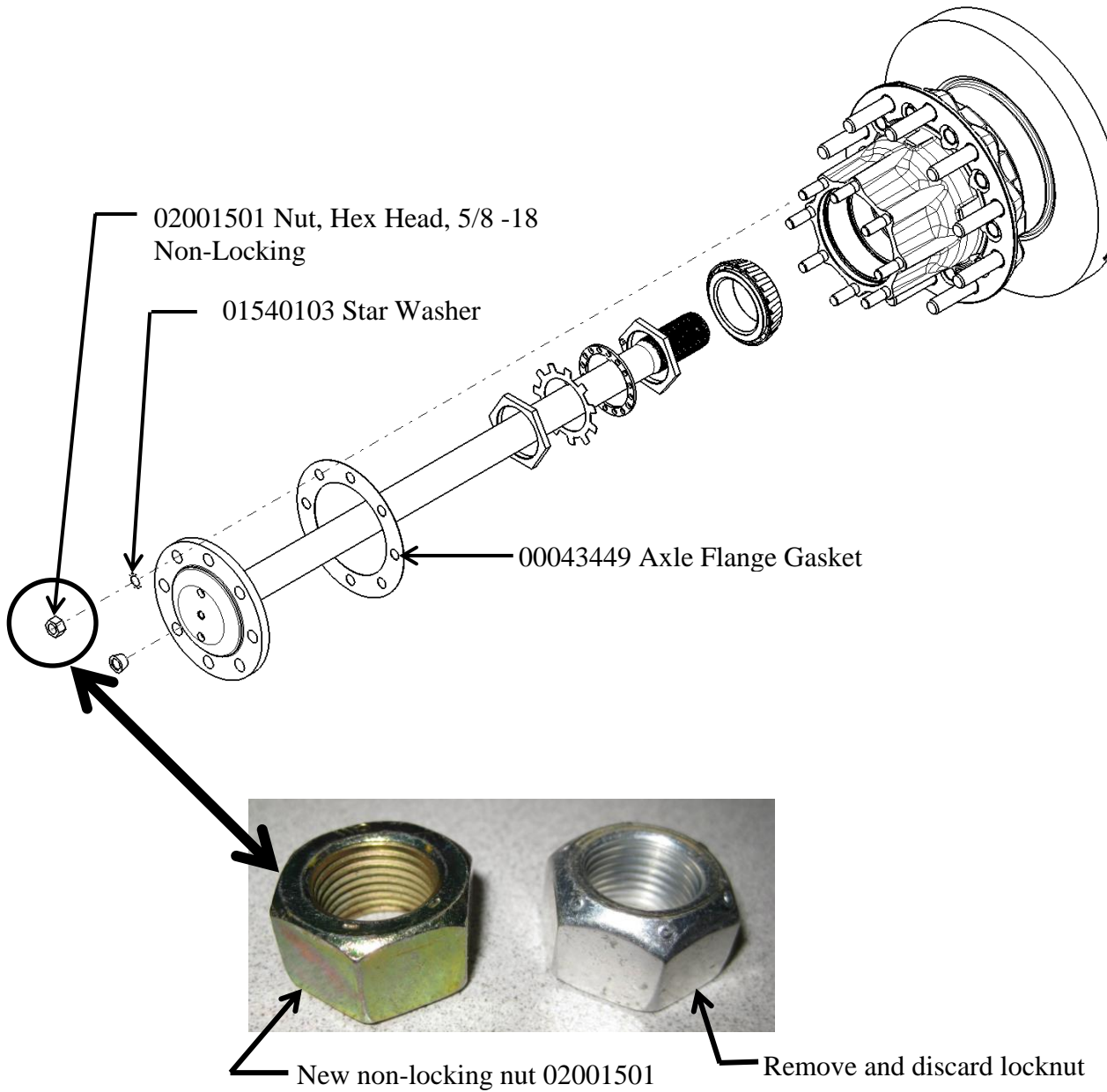
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REAR AIR DISC BRAKE

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BLUE BIRD

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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

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