



Rear Suspension Leveling Valve Bracket Replacement – Revision A

BULLETIN

Models Affected: 2012 and 2013 Model Years All American Rear Engine with Rear Air Suspension

ISSUE

Current mounting bracket does not allow for proper leveling arm travel.

CORRECTIVE ACTION

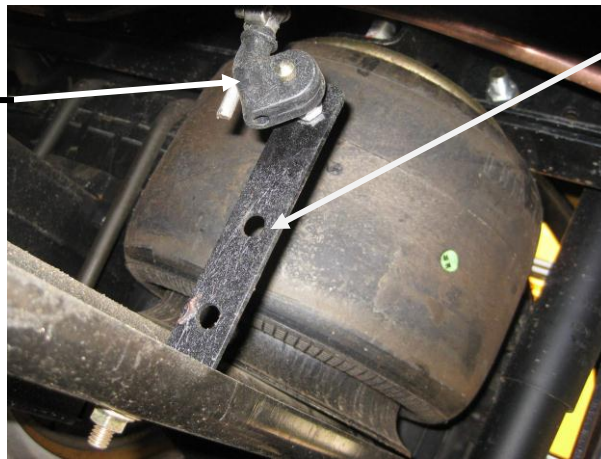
Replace current bracket with new bracket which lowers the height control valve assembly for additional leveling arm travel.

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.

1. Park the bus on a level surface, apply parking brake, turn off ignition, remove ignition key, and chock wheels.
2. Drain wet air brake tank.
3. Locate the leveling height control valve linkage behind the rear axle.

Current Location of P Mount, NOTE: Damaged P Mount shown.



Move stud to second hole from top.

PHOTO 1

WARNING: Be sure to keep hands and arms from the moving portion of the suspension when lowering and raising suspension. Prior to and during deflation and inflation of the air suspension system ensure that all personnel and equipment are clear from under the frame rails, luggage boxes or any other components that can crush or otherwise cause serious personal injury, death or property damage.

4. Remove lower link assembly by sliding P Mount off of stud. With the link off, lower the leveling arm to exhaust the air from air bags and lower suspension.

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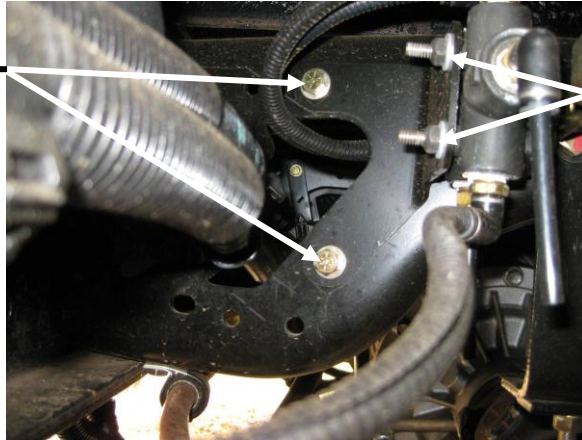


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5. Remove the stud that is installed in top hole of bracket and reinstall in next hole down. (See Photo 1 on page 1) Torque to 100-150 in, lbs. Note: If this bus has a short bracket with one hole, replace bracket and link assembly per instructions in step 11.
6. If the P Mount has been damaged, replace with new P Mount Blue Bird 10032467.
7. Remove the current leveling control bracket from the crossmember by removing two 3/8 capscrews, washers and locknuts. Discard locknuts. (See Photo 2)

Remove two 3/8 capscrews and locknuts.

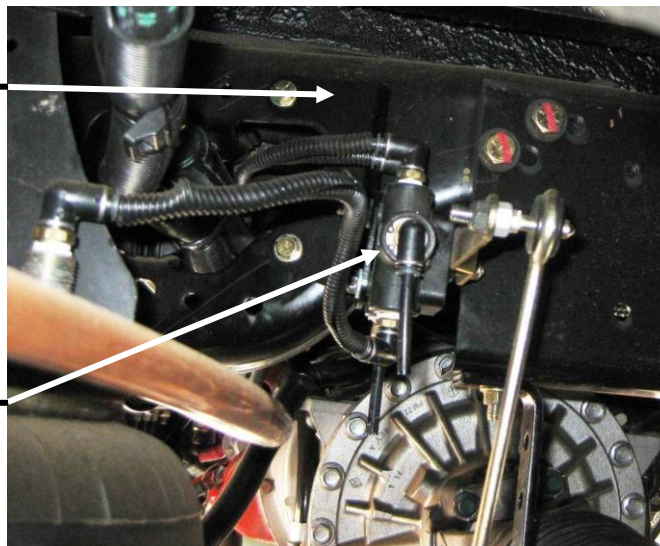


Remove and retain two 1/4 nuts and washers

PHOTO 2

8. Remove and retain the two 1/4 nuts and washers that attach the height control valve to the leveling control bracket. (See Photo 2)
9. Install the new leveling mounting bracket 10029082 to the crossmember with two 3/8 capscrews, hardened flat washers on both sides of crossmembers, and two new 3/8 locknuts. Torque to 30 ft – lb. (See Photo 3)
10. Install height control valve to new bracket and install 1/4 nuts and washers removed in step 8. Torque to 60-85 in. lbs (See Photo 3)

Install bracket 10029082 with 3/8 capscrews, hardened washers and lock nuts



Install height control valve to new bracket with 1/4 washers and nuts.

PHOTO 3

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

11. Verify the stud has been moved from the top hole to second hole from top.
(See Photo 4). Note: If the bus has a short bracket with one hole, the bracket must be replaced with a bracket which has three holes (part number 00119726) and the longer 17.25 inch link assembly must be replaced with a shorter 13 inch link assembly (part number 00015248).

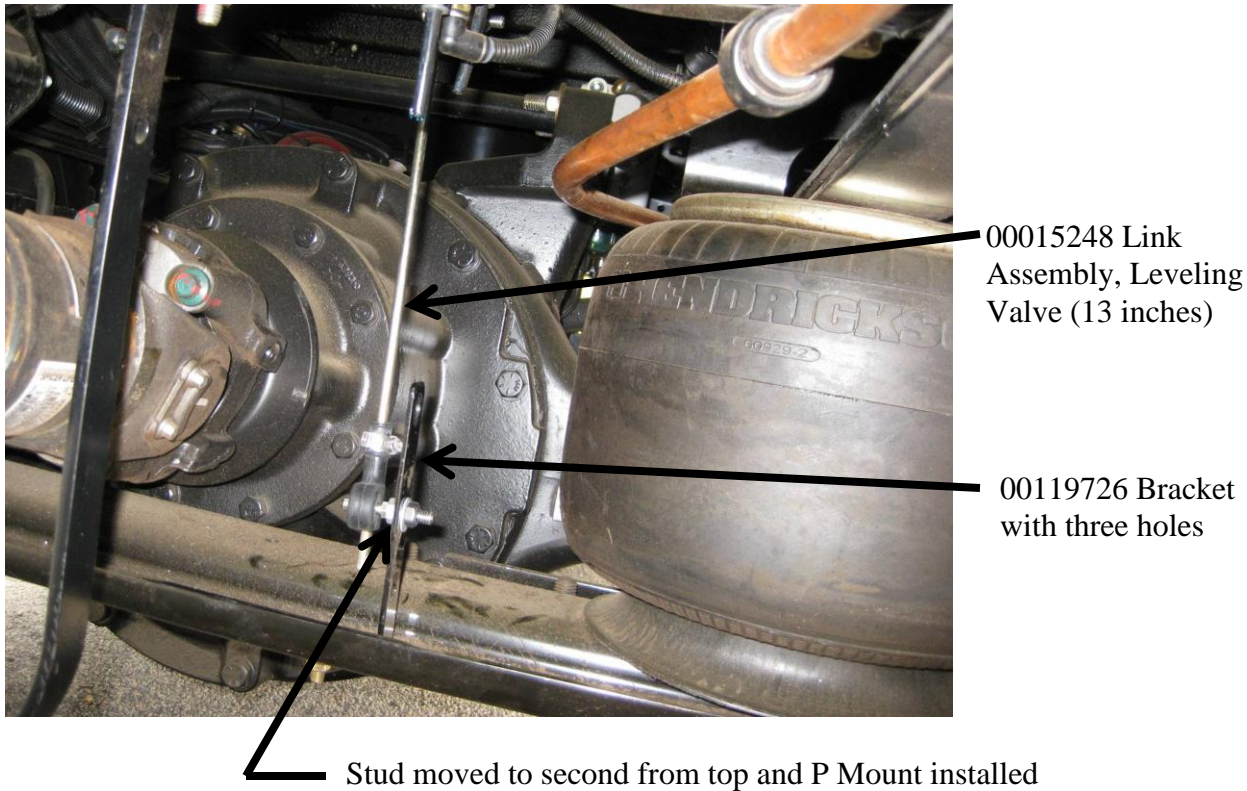


PHOTO 4

12. Reconnect lower link by pushing P Mount onto stud.

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13. Close the petcock on the wet air brake tank.
14. Build up the air system to 120 PSI.
15. Adjust ride height. Shock length at ride height (eye to eye) is 22.68 + or - 0.25.
16. Place bus back into operation.



BLUE BIRD

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**PARTS LIST
(with three hole bracket)**

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
10029082	Bracket, Mounting, Leveling Valve	1
00826297	Nut, Hex Head, 3/8 – 16, Lock	2
01107085	Washer, Flat, 13/32 X 13/16 X 3/32 Hardened	2
10032467	P Mount, Leveling Valve Link	1

**PARTS LIST
(with short one hole bracket)**

<u>Part Number</u>	<u>Description</u>	<u>Quantity</u>
10029082	Bracket, Mounting, Leveling Valve	1
00826297	Nut, Hex Head, 3/8 – 16, Lock	2
01107085	Washer, Flat, 13/32 X 13/16 X 3/32 Hardened	2
00015248	Link Assy., Leveling Valve Henderson, 58994-010 (Link Assy. includes P Mount 10032467)	1
00119726	Bracket, Harness, AC, Hose	1

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