

May 13, 2004

Dear Blue Bird Owner:

You will find enclosed Service Bulletin S04HN regarding the front ABS sensors on your Blue Bird "Vision" (BBCV) model buses equipped with hydraulic brakes. Heat buildup in the hydraulic front disc brakes may cause a false signal to be produced due to the sensor's inability to work within the designed operating range. The Bendix ABS sensors should be replaced with new Wabco ABS sensors.

If you no longer own the bus (es) identified on the enclosed cover sheet, please indicate new owner in the "sold to" section of the cover sheet and return to us at the address below:

BLUE BIRD CORPORATION
P.O. BOX 937
FT. VALLEY GA 31030
ATTN: TECHNICAL PUBLICATIONS

You or any qualified repair facility convenient to you may perform this modification. You may contact your appropriate Blue Bird distributor for assistance.

You will need to contact your Blue Bird distributor to order parts required for this bulletin. The parts will be provided to you "No Charge". Parts are available in limited quantities.

Time required to perform Service Bulletin S04HN is 0.3 hours per bus. Request to obtain reimbursement for labor may be submitted to your Blue Bird distributor.

Service Bulletin S04HN expires one year from date of issue.

Should you have any questions concerning this bulletin, please contact your Blue Bird distributor.

Sincerely,

Bill Coleman
Technical Publications



ABS Sensor Replacement

MODELS AFFECTED: Blue Bird Visions with Hydraulic Disc Brakes

BULLETIN

ISSUE

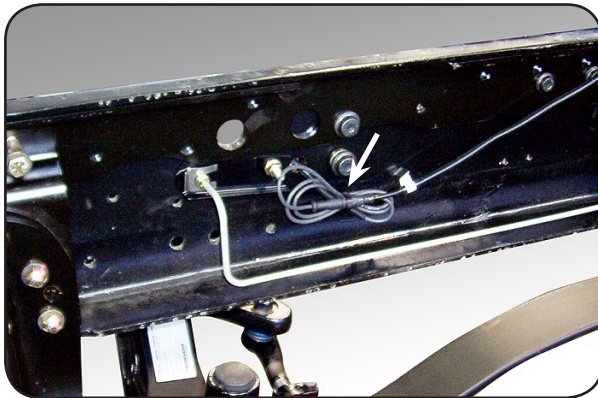
On some units with hydraulic brakes, the heat build up in the hydraulic front disc brakes may cause a false signal to be produced due to the sensors' inability to work within the designed operating range. The ABS light on the dash is turned "ON" and audible alarms sounds.

CORRECTIVE ACTION

Replace the Bendix ABS sensor with a WABCO ABS sensor.

PROCEDURE

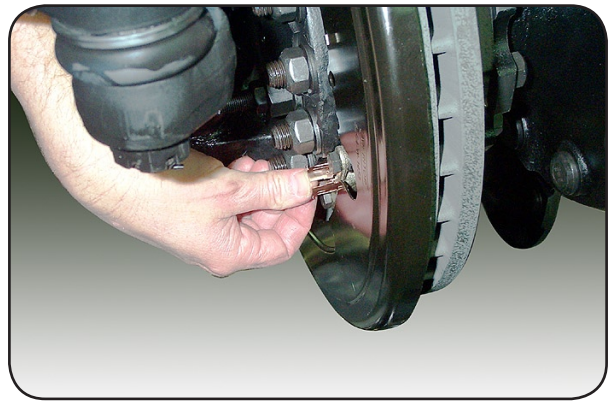
- 1** Park the bus on a level surface, apply the parking brake, remove the ignition key, and chock the wheels. Raise and secure engine hood.
- 2** On the inside of the right hand frame, locate the ABS sensor wire, cut the button head cable tie and disconnect the right front sensor cable from the wiring harness. Cut the remaining cable ties and remove the cable.



- 3** Pull the sensor straight out of its socket, using a twisting motion if required. Do not pull on the wires. If removal of the sensor is restricted by interference with the steering arm casting,, remove the two bolts which secure the sensor's mounting block. After removal, discard the Bendix sensor.

- 4** Pull the spring clip from the socket and discard.

- 5** Press the new sensor spring clip into socket until it stops.



- 6** If removal of the original sensor required removal of the mounting block, use a thread-locking compound on the mounting block bolts, remount the block, and tighten to 16–18 ft. lbs. (22–24 Nm). Lubricate the shank of the new sensor with the provided lubricant. Push the new sensor into the spring clip until it contacts the tone wheel.



SO4HN

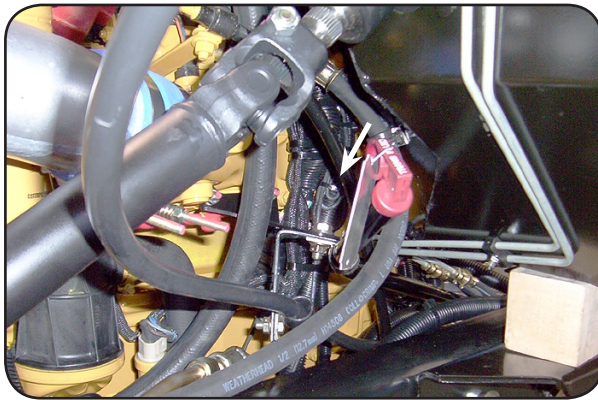
S E R V I C E B U L L E T I N



7 Route the new sensor cable the same as the old cable and connect to the wiring harness..

8 Secure the new sensor cable with the small cable ties in the original locations. On the inside of the right frame, bundle the excess cable sensor wire and attach bundle to frame with a button cable tie.

9 On the left hand side, cut all the cable ties securing the left front sensor, disconnect sensor cable from the wire harness. Note: Cable is routed along side and attached to a wiring harness with cable ties; there is no button head connector on the left frame.



10 Pull the sensor straight out of its socket, using a twisting motion if required. Do not pull on the wires. Remove and discard Bendix sensor..

11 Pull the spring clip from the socket and discard.

12 Press the new sensor spring clip into socket until it stops.

13 If removal of the original sensor required removal of the mounting block, use a thread-locking compound on the mounting block bolts, remount the block, and tighten to 16–18 ft. lbs. (22–24 Nm). Lubricate the shank of the new sensor with the provided lubricant. Push the new sensor into the spring clip until it contacts the tone wheel.

14 Route the new sensor cables the same as the old cables and connect to the wiring harness. Secure the new sensor cables with the small and large cable ties in the original locations. Bundle excess cable length securely.

15 Close engine hood. Remove wheel chock.

15 Drive vehicle to test the ABS System.

PART NUMBER	QUANTITY	DESCRIPTION
0006679	2	Sensor, ABS , 90 degree , Hydraulic Brake
0024076	1	Tie, Cable, Nylon, Button Head, 14.75 X. .22 wide
0029999	8	Tie, Cable, 0.35 X 15.25 long (Small)
0029998	2	Tie, Cable, 0.50 X 20.00 long (Large)