

SAFETY RECALL BULLETIN

NOVEMBER 2004

ATTENTION: **SERVICE MANAGERS / PARTS MANAGERS**

SUBJECT: **LIGHT DUTY FRONT AXLE BRAKE ASSEMBLIES**

VEHICLES **CERTAIN AUTOCAR WX, WXR AND WXLL MODEL**
AFFECTED: **VEHICLES DELIVERED BETWEEN SEPTEMBER**
2003 AND SEPTEMBER 2004 IN THE VIN NUMBER
RANGE OF 200076 TO 201247.

SAFETY RECALL INFORMATION:

Autocar LLC has determined that a defect relating to motor vehicle safety may exist in certain Autocar WX, WXR and WXLL model vehicles assembled at Autocar's Hagerstown facility. The ABS Sensor bracket may have been installed using the wrong mounting holes causing a possible interference with the brake shoe return spring causing damage to the brakes and the potential of the front brakes not releasing.

NUMBER of VEHICLES AFFECTED:

There are Thirty (30) vehicles assembled at the Autocar Hagerstown facility with serial numbers in the range 200076 to 201247.

NOTE: To verify or determine if a particular vehicle is affected by this recall (or any other recall), you should consult the Service/Warranty screen. By entering the Vehicle Identification Number into the VIN Profile, the screen will display any outstanding recall(s).

If a "Dealer Listing" is enclosed, it identifies the vehicles that were sold or shipped to your dealership. Be sure to check the VIN Profile screen before performing the recall to verify that the recall is still open. If the recall has been completed by another dealer the word "Completed" will be shown behind the recall number.

INSPECTION INSTRUCTIONS:

Inspect the front brake assemblies for proper location of the ABS Sensor Wire where it exits out of the back of the brake spider. The ABS Sensor Wire should be in the third hole down from the S-Cam when viewing the back of the brake spider housing. See photos on Page 5 for proper location.

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REPAIR:

To correct the condition, install the ABS Sensor bracket in the proper location. PLEASE refer to the Repair Instructions and photos starting on Page 3 for further details.

TIME ALLOWANCE:

Inspection: 0.4 hours per vehicle
Repair: 2.4 hours per vehicle

RECALL PARTS:

2 only ETN 316896 Brake Kits

CLAIMS FOR CREDIT:

Expenses associated with the performance of this recall will be reimbursed based on the guidelines identified in this Bulletin, and by submitting a claim following published instructions in the "Claim Preparation" section of the "Service Operations Manual".

CLAIM CODING INFORMATION:

Authorization Number: - A-0403
Inspection: - 59301-0-14 0.4 hours per vehicle
Repair: - 59301-0-15 2.4 hours per vehicle

OWNER RECALL RESPONSE CARD:

The "Owner Recall Response Card" is to provide the vehicle owner with a convenient way to notify Autocar LLC of changes affecting the ownership of the subject vehicle. The owner card is not intended for dealer usage other than to assist you in the preparation of the repair orders necessary to perform the applicable recall on the subject vehicle. Please do not use the card as a way to inform Autocar LLC that the vehicle has been inspected or modified. Your claim on line is sufficient.

DEALER RECALL RESPONSIBILITY:

Dealers are to perform the remedy on all vehicles subject to the recall at no charge to the owner regardless of mileage, age of vehicle, or ownership from this time forward. Whenever a vehicle subject to this recall is taken into your dealership for service, we strongly recommend you make every effort to perform the recall remedy before the vehicle is released to the owner.

NOTE: It is illegal to sell a vehicle from your inventory with any outstanding recalls.

AUTOCAR LLC

REPAIR PROCEDURE FOR RELOCATING THE ABS SENSOR

To prevent eye injury, always wear eye protection when performing vehicle maintenance, service or inspection.

DANGER

Before working on a vehicle, set the parking brake, place the transmission in neutral and block the wheels. Failure to do so can result in unexpected vehicle movement and can cause serious personal injury or death.

Removal

1. Park the vehicle on a level surface. Turn off the engine, apply the parking brakes, and chock the rear tires to keep the vehicle from moving.
2. Raise both front wheels off of the ground. Place jack stands of adequate rating under axle.

DANGER

Do not work on a vehicle only supported by jacks. Jacks may slip from under the truck or fall over, causing serious personal injury or death. Always use jack stands under the truck.

3. Remove both wheels from the axle.
4. Back off the slack adjusters.
5. Remove the brake drum, cam rollers, return spring and brake shoes.

CAUTION

Possible sensor damage. DO NOT pull on the sensor cable to remove it, as this may permanently damage the sensor

6. Remove the mounting bolts for the sensor bracket. Cut the tie straps along the sensor cable. Remove the P-clips at the S-cam tube, bracket and frame rail. Disconnect any fasteners that hold the sensor cable and the hose clamp to other components.

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7. Disconnect the sensor from the vehicle wiring at the connector closest to the sensor.
8. Pull the sensor cable through the hole in the spider housing.

Installation

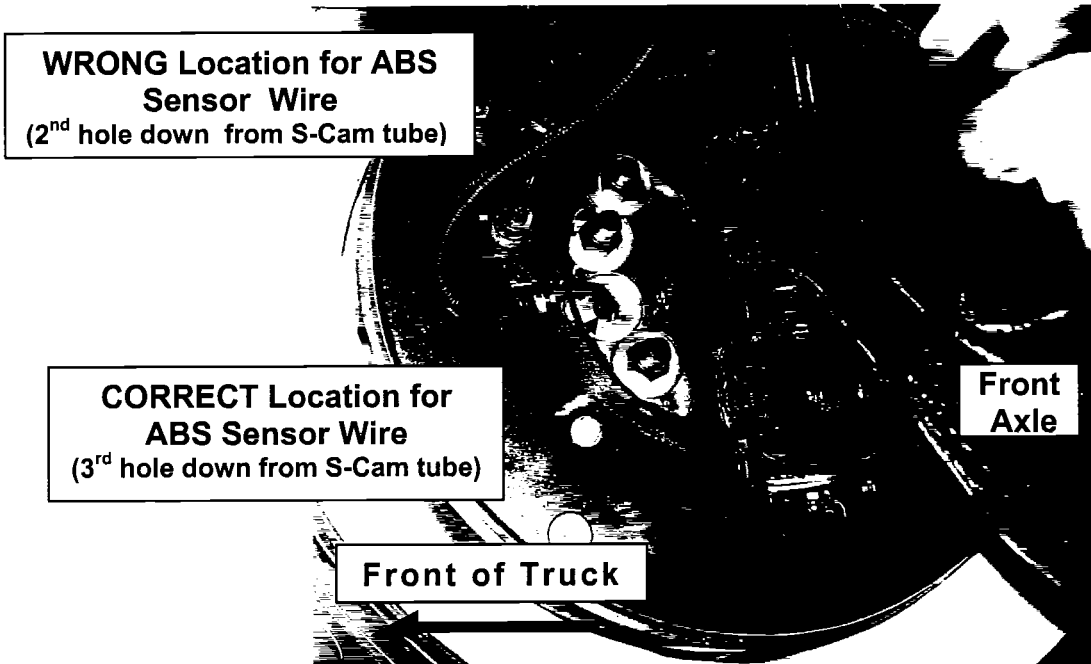
9. Insert the sensor cable through the third hole of the brake spider housing as shown in the photos on Page 5 and re-position the ABS sensor bracket so that it uses the 2nd and 4th mounting bolt holes down from the S-cam. Re-route the sensor cable back to its connector.
10. Connect the sensor cable connector. Re-install all P-clips, fasteners and replace cut tie straps.
11. Install the sensor bracket into its new position onto the spider assembly. Tighten the bracket to a torque of 130 ± 10 ft-lb (175 ± 15 Nm).
12. Check ABS sensor alignment against the tooth wheel and adjust using an ABS sensor adjustment tool, J-42942 if necessary.

 **CAUTION**

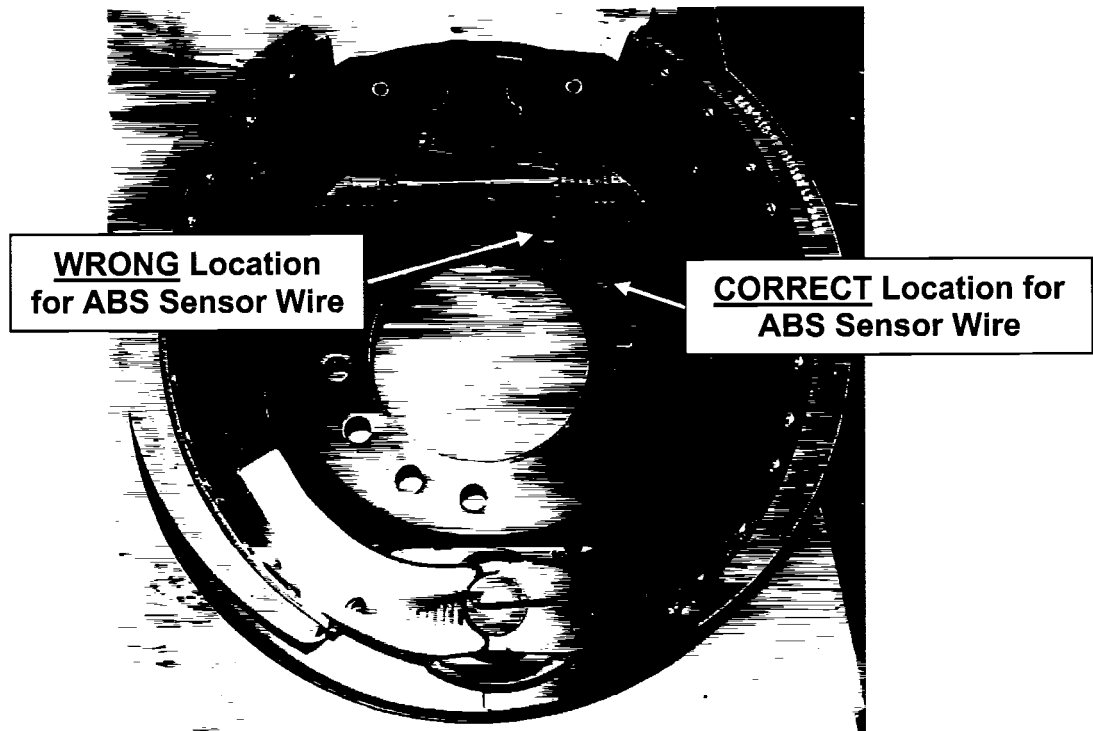
Potential sensor damage. DO NOT use a screwdriver or sharp instrument to adjust the sensor. DO NOT use a hammer to drive the sensor into position. Use of a sharp instrument or hammer can permanently damage the sensor.

13. Install the brake lining onto the spider housing. Install new brake springs and cam rollers supplied in the ETN813445 Brake kit. Install the brake drum.
14. Install the wheel and tighten wheel nuts to a torque of 475 ± 25 ft-lb (645 ± 35 Nm).
15. Adjust the front axle brakes.
16. Remove the jack stands from under the vehicle.
17. Lower the vehicle and remove the wheel blocks.
18. Verify proper sensor adjustment by driving the vehicle. This allows the ABS to perform a self test. Once the vehicle reaches approximately 7 mph (11 kph), the ABS warning lamp will go out if the sensor is properly adjusted.

Recall is complete.



Viewed from Backside of Spider Housing on Curb Side of Truck
(Typical both sides)



View showing ABS sensor wire location looking at the front
side of the Spider housing