

SAFETY RECALL BULLETIN



AUTOCAR SAFETY RECALL A-0801 NHTSA RECALL 08V-024

FEBRUARY 2008

ATTENTION: SERVICE MANAGERS / PARTS MANAGERS

SUBJECT: INTERMEDIATE STEERING SHAFT LENGTH

VEHICLES AFFECTED: CERTAIN AUTOCAR WX (DUAL DRIVE) MODEL VEHICLES BUILT BETWEEN 05 FEBRUARY 2007 AND 14 DECEMBER 2007, VIN RANGE 205321 TO 206515

Safety Recall Information

Autocar has determined that the intermediate steering shaft between the in-cab steering components and the power steering gear box, located on the vehicle's frame, is too long. The additional length in the steering shaft results in the need for increased steering effort on the part of the vehicle's driver. The driver may not be prepared for such need, which could result in an unpredictable reaction by the driver.

As a proactive safety measure, Autocar is initiating a safety recall to replace all incorrectly-sized steering shafts with the correctly sized shaft.

Vehicles Affected

There are 28 affected vehicles that were manufactured between 05 February 2007 and 15 December 2007, within VIN range 205321 to 206515. Refer to the VIN list on page 2.

NOTE: To determine whether a particular vehicle is affected by this safety recall (or any other safety recall), consult the *Service & Warranty* link through Autocar's website, www.autocartruck.com. After logging in to the dealer section of the website, enter the VIN into the VIN Profile; the system will display any outstanding safety recalls.

Inspection

If the vehicle's VIN appears on the VIN list on page 2, the steering shaft must be replaced.

Repair

Replace the intermediate steering shaft by completing the **REPAIR PROCEDURE** beginning on page 3.

Parts

The following parts are necessary for this safety recall:

Part Description	Quantity
Steering shaft kit (A3810001K001)	1
<i>Includes the following:</i>	
Intermediate steering shaft (3085749)	1
Hex head cap screw (3083736)	2
Locking hex nut (945989).....	2

Call the Warranty Administrator at 765-489-5499 (extension 6016) to order repair parts.

Time Allowance

Replace steering shaft: 1.0 hour

Tools Required

The following tools are required for this safety recall:

- #2 Phillips screwdriver
- Standard screwdriver
- 5/8" box wrench
- 11/16" socket
- Torque wrench
- Ratchet
- Grease gun

Claims for Reimbursement

Submit a claim following published instructions in the claim preparation section of the *Warranty Administration Manual*.

Claims Coding Information

Authorization number: A-0801
Labor operation code: 64118-0-01
Time allowance: 1.0 hour



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Dealer Responsibility

Dealers must perform this safety recall on affected vehicles at no charge to the owner regardless of vehicle mileage, age, or ownership of the vehicle. If a vehicle affected by this safety recall is in your vehicle inventory or brought to your facility for service, you must perform this safety recall before the vehicle is sold or released to the owner.

Vehicles Affected, by VIN

Affected vehicles, sorted by last (6) digits of VIN, in ascending order from left to right, top to bottom:

5VCDC6JF67H205321	5VCDC6JFX8H205811
5VCDC6JF28H206063	5VCDC6HE98H206090
5VCDC6JF48H206193	5VCDC6JF68H206194
5VCDC6JF88H206195	5VCDC6JFX8H206196
5VCDC6JF18H206197	5VCDC6JF38H206198
5VCDC6JF58H206199	5VCDC6JF88H206200
5VCDC6JFX8H206201	5VCDC6JF18H206202
5VCDC6KF38H206488	5VCDC6KF58H206489
5VCDC6KF18H206490	5VCDC6KF38H206491
5VCDC6KF58H206492	5VCDC6KF78H206493
5VCDC6KF88H206504	5VCDC6KFX8H206505
5VCDC6KF18H206506	5VCDC6KF38H206507
5VCDC6JF18H206510	5VCDC6KF98H206513
5VCDC6KF08H206514	5VCDC6KF28H206515

SAFETY NOTICES

WARNING

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

DANGER

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

LOCKOUT/TAGOUT PROCEDURES

Before entering the vehicle or vehicle body, read and follow OSHA regulations concerning entry and working in "CONFINED SPACE" OSHA 1910.146 and "LOCKOUT/TAGOUT" OSHA 1910.147.

Follow OSHA regulations while performing any work on the vehicle.

The vehicle must be disabled by the following steps before proceeding:

1. Set the parking brake.
2. Place the transmission in PARK.
3. Shut the engine OFF.
4. Turn the battery disconnect switch OFF.
5. Lock cab doors, keep the key in your pocket, and block the wheels before entering the body or performing any work on the vehicle.
6. Place magnetic "DANGER" signs on both cab doors before entering the body or performing any work on the vehicle.



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REPAIR PROCEDURE

STEP 1: Disconnect the steering shaft from the steering column

- Using a #2 Phillips screw driver, remove the cover over the lower steering column universal joint. This will expose the steering column to intermediate shaft pinch bolt (*Figure 1*).

NOTE: It may be necessary to start the engine and turn the steering wheel in order to orient the pinch bolt and hex nut to allow access for the box and socket wrenches.

NOTE: Turn the engine OFF after aligning the steering shaft yoke to gain access to the pinch bolt and backing nut.

- Note the orientation of the yoke on the splined steering column. The replacement steering shaft must be oriented the same as the previous intermediate shaft.
- Using a 11/16" socket and 5/8" box wrench, remove the pinch bolt and backing nut (*Figure 1*).

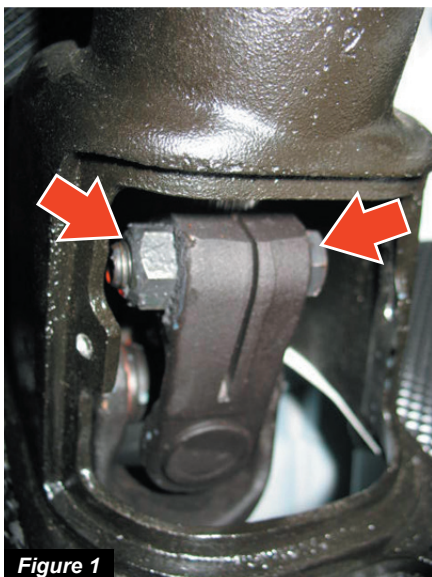


Figure 1

STEP 2: Raise the cab

WARNING

Due to the danger of sustaining personal injury and/or damage to the vehicle, never attempt to raise the cab outdoors under extremely windy conditions. The strong wind conditions could force the cab beyond the normal limits of its travel.

- Remove or secure all loose articles and close all doors before raising the cab. The area above and ahead of the cab must be clear from obstructions. Place front wheels in a straight ahead position.
- Remove the pump handle from its storage on the inside wall of the driver or passenger side door.
- Place the selector lever on the hydraulic pump in the RAISE position. Insert the pump handle into the pump and operate the handle in an up and down motion. The hydraulic cab latches will open, then the hydraulic cylinders will lift the cab until the midpoint (top) is reached.
- Once the cab has reached its midpoint, the cab will free fall forward to the fully open position. The safety pin in the cab tilt lock device must be installed when the holes line up in the sliding bar.

DANGER

Never rely on the hydraulic pressure to hold the cab in an open position. Always use the safety pin in the cab tilt lock tube to prevent serious personal injury or death.

CAUTION

Remove the pump handle when not in use. It may stick out and could cause injury to passersby.



Questions? Visit the Autocar website at www.autocartruck.com and click the **Web-Link Direct** icon to request emergency service assistance.

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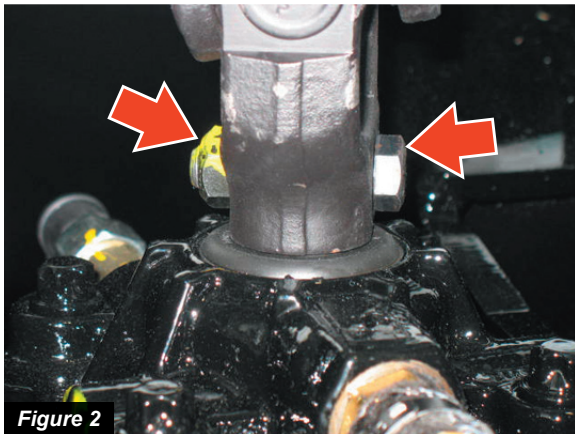


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STEP 3: Disconnect the steering shaft from the steering gear box

- Note the orientation of the yoke on the splined gear box shaft. The replacement steering shaft must be oriented the same as the previous shaft.
- Using a 11/16" socket and 5/8" box wrench, remove the pinch bolt and backing nut. (Figure 2).



STEP 4: Grease the steering shaft slip joint and universal joints

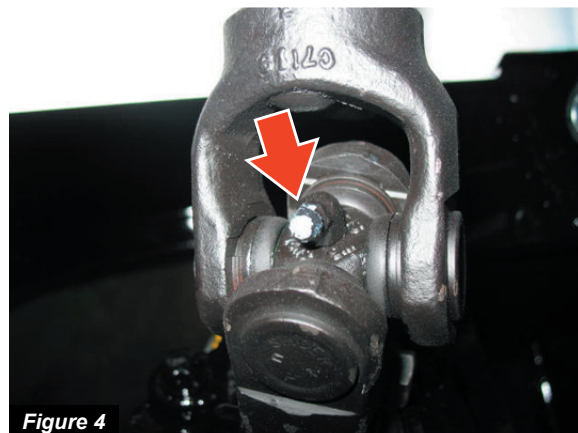
- Apply a small amount of molybdenum grease to the slip joint and u-joint grease fittings (Figures 3 and 4).

NOTE: The grease fitting on the *upper* u-joint is not shown but should be greased prior to installation of the steering shaft.



STEP 3: Remove the steering shaft

- Slide the *lower* yoke of the steering shaft off of the splined shaft on the steering gear box.
- If the yoke is difficult to remove from the steering gear box shaft, a standard screwdriver may be used to open up the yoke.
- Slide the *upper* yoke of the steering shaft off of the splined shaft on the steering column.
- If the yoke is difficult to remove from the steering column, a standard screwdriver may be used to open up the yoke.



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STEP 5: Install the new steering shaft

- Slide the *lower* yoke of the steering shaft on to the splined shaft on the steering gear box.

NOTE: The yoke must be oriented the same as the previously-installed yoke had been.

- Slide the *upper* yoke of the steering shaft on to the splined shaft on the steering column.

NOTE: The yoke must be oriented the same as the previously-installed yoke had been.

STEP 6: Torque the steering shaft fasteners

- Using the torque wrench with a 11/16" socket and the 5/8" box wrench, apply 60 ft-lbs (\pm 6 ft-lbs) to the *lower* and *upper* steering shaft pinch bolts.

STEP 7: Lower the cab

- Remove the safety pin in the sliding cab tilt lock bar. Place the selector lever on the hydraulic pump to the LOWER position.
- Insert the pump handle into the pump and operate the handle in an up and down motion. The hydraulic cylinders then lower the cab until the midpoint (top) is reached.
- Once the cab has reached its midpoint, stop pumping and the cab will free fall rearward to the fully lowered position. When the cab is lowered, the hydraulic cab latches will automatically close, securing the cab to the frame.

STEP 8: Complete the response card

- Complete the Recall Owner Response card (sent to the vehicle's owner with the Recall Notice), indicating that the recall procedure has been performed for the vehicle. Return the response card to Autocar via pre-paid business reply mail.

Please direct all questions regarding this safety recall to: info@autocartruck.com or call the service hotline at 877-973-3486 (extension 6062).



CAUTION

Remove the pump handle when not in use. It may stick out and could cause injury to passersby.



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