

*Ford Motor Company*

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NVS-215

2005 MAY 31 P 4: 16

OFFICE OF  
DEFECTS INVESTIGATION

**James P. Vondale, Director**  
Automotive Safety Office  
Environmental & Safety Engineering

May 27, 2005

Mr. George Person, Chief  
Recall Management Division (NVS-215)  
Office of Defects Investigation  
National Highway Traffic Safety Administration  
400 Seventh Street, S.W.  
Washington, DC 20590

Dear Mr. Person:

Subject: Safety Recall 05V-202  
(Ford Number 05S31)

Pursuant to the requirements set forth in Part 573 of Title 49 of the Code of Federal Regulations -- Defect and Noncompliance Reports, Ford Motor Company is submitting a true or representative copy of information that relates directly to the subject campaign.

Attached are dealer and owner letters issued by Ford Customer Service Division regarding a recall of certain 2005 model year Ford F-650 and F-750 chassis cab vehicles. Specific details were submitted to you in a letter dated May 3, 2005. Owner notification letters were mailed on May 17, 2005.

Sincerely,



J. P. Vondale

Attachment(s)  
05S31 Dealer-Owner Bulletin





Frank M. Ligon  
Director  
Service Engineering Operations  
Ford Customer Service Division

Ford Motor Company  
P. O. Box 1904  
Dearborn, Michigan 48121

May 6, 2005

**TO:** All U.S. Ford and Lincoln Mercury Dealers

**SUBJECT: DEMONSTRATION / DELIVERY HOLD: Safety Recall 05S31:**  
Certain 2005 Model Year F-650/750 Trucks  
Accuride Aluminum Wheel Inspection

**AFFECTED VEHICLES**

Certain 2005 Model Year F-650/750 Trucks with Accuride Aluminum Wheels built at the Escobedo Assembly Plant from February 21, 2005 through March 18, 2005. There are a total of 25 vehicles involved in this recall. Affected vehicles are identified in OASIS. In addition, for a list of vehicles assigned to your dealership, visit <https://web.fsavinlists.dealerconnection.com>. This information will be available on May 6, 2005.

**REASON FOR THIS SAFETY RECALL**

A small number of wheels were not properly machined before being shipped to the Escobedo Assembly Plant. Wheels that have not been properly machined may experience premature cracking on the wheel disc mounting face and may separate in service.

**SERVICE ACTION**

Before demonstrating or delivering any of the vehicles involved in this recall, dealers are to inspect the wheel date codes on the two inboard wheels on the rear axle. If suspect wheels are found, replace the wheels and remount and balance the tires. This must be performed on all of the affected vehicles in your new inventory as well as vehicles that have been delivered to customers. This service must be performed at no charge to the customer.

**PLEASE NOTE:**

**Federal law requires dealers to complete any outstanding safety recall service before a new vehicle is delivered to the buyer or lessee. Violation of this requirement by a dealer could result in a civil penalty of up to \$5,000 per vehicle. Correct all vehicles in your new vehicle inventory before delivery.**

**ATTACHMENTS**

Attachment I: Administrative Information  
Attachment II: Labor Allowances and Parts Ordering Information  
Attachment III: Technical Information  
Customer Notification Letter

**QUESTIONS?**

Claims Information: ..... 1-800-423-8851  
Special Service Support Center (Dealer Only) Questions: ..... 1-800-325-5621

Sincerely,



Frank M. Ligon

**DEMONSTRATION / DELIVERY HOLD: Safety Recall 05S31**  
Certain 2005 Model Year F-650/750 Trucks  
Accuride Aluminum Wheel Inspection

**OASIS ACTIVATED?** Yes. OASIS will be activated by May 4, 2005.

**FSA VIN LIST ACTIVATED?** Yes

Available through FMCDealer.com or at <https://web.fsavinlists.dealerconnection.com> by May 6, 2005. Owner names and addresses will be available by May 20, 2005.

NOTE: Your FSA VIN list may contain owner names and addresses obtained from motor vehicle registration records. The use of such motor vehicle registration data for any purpose other than in connection with this recall is a violation of law in several states, provinces, and countries. Accordingly, you must limit the use of this listing to the follow-up necessary to complete this recall action.

**STOCK VEHICLES**

Correct all affected units in your new vehicle inventory before delivery.

**SOLD VEHICLES**

- Owners of affected vehicles will be directed to dealers for repairs.
- Immediately contact any of your affected owners whose vehicles are not on your VIN lists but are identified in OASIS. Give the owner a copy of the Customer Notification Letter (when available) and schedule a service date.
- Correct other affected vehicles identified in OASIS which are brought to your dealership.

**TITLE BRANDED / SALVAGED VEHICLES**

Affected title branded and salvaged vehicles are eligible for this Field Service Action.

**RELATED DAMAGE**

Related damage claims are not approved for this program.

**ADDITIONAL LABOR TIME**

- If a condition exists that requires additional labor to complete the repair, use actual time as listed in Attachment II, page 1 of 2.
- If you encounter aftermarket equipment or modifications to the vehicle which might prevent the repair of the covered condition, call the Special Service Support Center.

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Accuride Aluminum Wheel Inspection

**OWNER REFUNDS**

Refunds are not authorized for this program.

**RENTAL VEHICLES**

The use of rental vehicles is not authorized for this program.

**CLAIMS PREPARATION AND SUBMISSION**

- Enter claims using Direct Warranty Entry (DWE).
- The use of MT (actual time) must comply with warranty and policy guidelines as outlined in the Warranty and Policy Manual.
- Refer to ACESII manual for claims preparation and submission information.
- The cost of tire mounting and balancing at an outside facility should be claimed as "OSL"; the 0.3 hours labor to inspect prior to sending the tire/wheel assembly to the outside location must be claimed as shown under "Labor Allowances" in Attachment II.
- Claims which include wheels ordered from Accuride prior to July 1, 2005 may include a handling allowance; enter miscellaneous expense code "OTHER" for the amount of \$200.00 per wheel replaced on the repair line for this recall if a suspect wheel was found.

**DEMONSTRATION / DELIVERY HOLD: Safety Recall 05S31**  
 Certain 2005 Model Year, F-650/750 Trucks  
 Accuride Aluminum Wheel Inspection

**LABOR ALLOWANCES (Submit only one of the following Labor Allowances)**

Description	Labor Operation	Labor Time
<b><u>Inspection Only – No Wheel Replacement Required</u></b> Inspect the two inboard wheels on the rear axle for suspect date code. Both wheels pass inspection.	05S31A	0.3 Hours
<b><u>Inspection Plus One Wheel Replaced Within Dealership</u></b> Inspect the two inboard wheels on the rear axle for suspect date code and replace one (1) wheel, remount and balance tire. *	05S31B	1.1 Hours
<b><u>Inspection Plus Two Wheels Replaced Within Dealership</u></b> Inspect the two inboard wheels on the rear axle for suspect date code and replace two (2) wheels, remount and balance tires. *	05S31C	1.8 Hours
<b><u>Inspection Plus One Wheel Replaced Outside Dealership</u></b> Inspect the two inboard wheels on the rear axle for suspect date code. If one wheel does <u>not</u> pass inspection and wheel removal/remount/balance work is sublet to an outside facility (OSL).	05S31D	0.3 hours for inspection; submit cost of sublet labor for one wheel as "OSL".
<b><u>Inspection Plus Two Wheels Replaced Outside Dealership</u></b> Inspect the two inboard wheels on the rear axle for suspect date code. If two wheels do <u>not</u> pass inspection and wheel removal/remount/balance work is sublet to an outside facility (OSL).	05S31E	0.3 hours for inspection; submit cost of sublet labor for two wheels as "OSL".

\* NOTE: If your dealership does not have proper equipment to service 22.5-inch wheels and tires, the remounting of tires must be done at an outside facility that can also balance the tires. If wheel replacement must be sublet, use either 05S31D or 05S31E above, plus "OSL" for the cost to remove, install, and balance the new wheel(s).

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**PARTS REQUIREMENTS / ORDERING INFORMATION**

Until July 1, 2005 order your parts directly from the wheel supplier. After July 1, 2005, order wheels through normal dealer channels. See below.

<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
<p align="center"><b><u>Until July 1, 2005</u></b></p> <p>Call Accuride at 1-800-869-2275 between 7:00 A.M. and 4:00 P.M. Central time zone, Monday through Friday. Order Accuride Part # 29644ANP *</p>	22.5 X 8.5 Tubeless Non-Polished Aluminum Wheel	1
<p align="center"><b><u>After July 1, 2005</u></b></p> <p>5C4Z-1007-A</p>	22.5 X 8.5 Tubeless Non-Polished Aluminum Wheel	1

\* Wheels ordered from Accuride will be provided at no charge. In lieu of normal parts mark up, dealers may claim a handling allowance of \$200.00 per wheel. See Attachment I, page 2 for claiming instructions.

**DEALER PRICE**

For latest prices, refer to DOES II.

**PARTS RETENTION AND RETURN**

Removed wheels are subject to mandatory return to the Ford Warranty Parts Analysis Center (WPAC). Affected wheels are to be returned in the replacement wheel shipping container.

Follow the provisions of the Warranty and Policy Manual for "Parts Retention and Return Procedures."

**EXCESS STOCK RETURN**

Excess stock returned for credit must have been purchased from Ford Customer Service Division in accordance with Policy Procedure Bulletin 4000.

## CERTAIN 2005 MODEL YEAR F-650 AND F-750 MODELS EQUIPPED WITH ACCURIDE® ALUMINUM WHEELS — WHEEL INSPECTION

### OVERVIEW

This program involves inspecting the two (2) inboard wheels on the rear axle for a suspect manufacturer date code. Wheels found to have been manufactured on specific dates and during specific shifts must be replaced. Wheel and tire removal is NOT necessary to inspect the date code.

### DATE CODE INSPECTION

1. NOTE: The date code is at the beginning of the string of stamped information on the inboard side of the inner wheel near the bead. It may be necessary to wipe any road grime or dirt off the wheel to read the date code information.

NOTE: Date codes are formatted as follows (applicable data in parentheses):

- Plant Code (E)
- Month (01)
- Date (15, 16 or 17)
- Year (05)
- Shift (1, 2 or 3)
- Machine Line (6)

Locate the date code on the inboard side of the wheel near the bead area. See Figures 1 and 2.

2. Wheels with any of the date codes shown below must be replaced. See Wheel Replacement in this attachment.

<b>E011505 2 6</b>
<b>E011605 3 6</b>
<b>E011605 1 6</b>
<b>E011605 2 6</b>
<b>E011705 3 6</b>
<b>E011705 1 6</b>

3. If none of the above listed date codes are on either of the two (2) inboard wheels on the rear axle, release the vehicle.



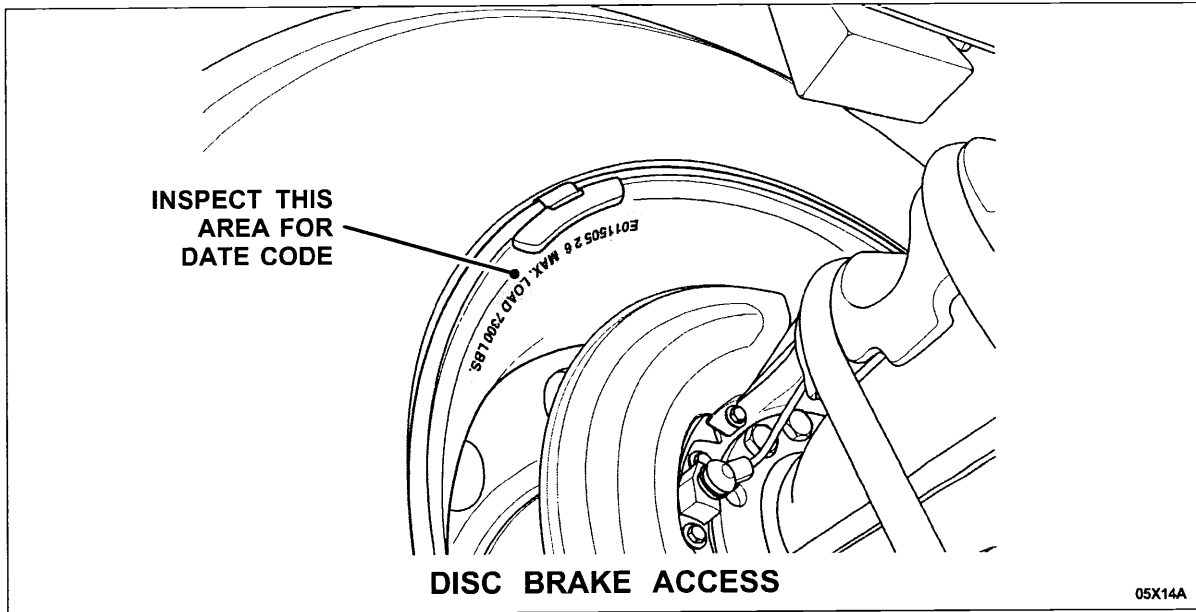


FIGURE 1

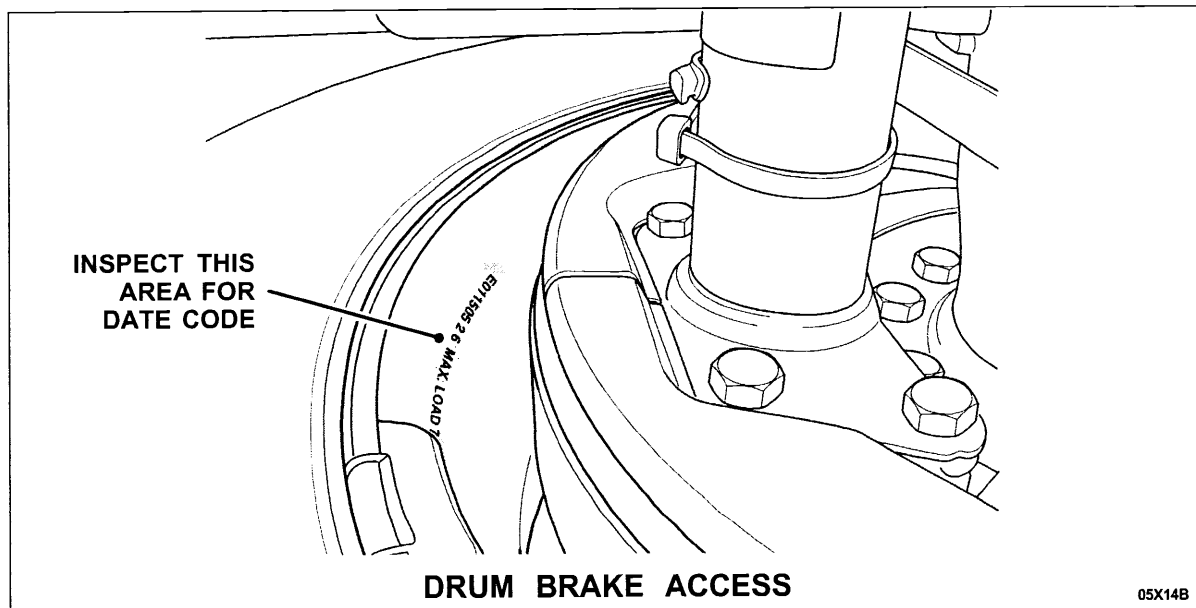


FIGURE 2



## WHEEL REPLACEMENT

1. Remove the suspect wheel and tire assemblies.
2. Be sure to review and follow all safety precautions provided in Section 204-04 of the 2005 F-650, F-750 Workshop Repair Manual with regards to wheel and tire service.
3. Remove the tire from the suspect wheel and install it onto the *new* wheel following tire machine manufacturer instructions.
4. Tires must be placed in an approved safety cage when being inflated.
5. Using a computerized balancer, balance the tire.
6. **CAUTION: Be sure the threads on the studs and the nuts are dry and contain no lubricant of any type.**

Install the inner rear tire and wheel in position over studs and push back as far as possible. Use care so that the threads on studs are not damaged. Inspect the valve stem to brake caliper for clearance, if applicable.

7. Install the plastic spacer onto the studs, then install the outer rear tire and wheel in place over the studs and push back as far as possible. Again use care so that the threads on the studs are not damaged.
8. Run the nuts on the studs until nuts contact the wheel or wheels. Rotate wheel assembly a half turn to permit parts to seat naturally.
9. Draw up nuts alternately following the crisscross pattern. Do not fully tighten nuts at this time. This procedure will allow uniform seating of nuts and assure even face-to-face contact of wheel and hub.
10. Continue tightening the nuts to 610-678 Nm (450-500 lb-ft) using the same alternating method.

## WHEEL DEMOLITION

 **WARNING: ALL REPLACED WHEELS MUST BE PERMANENTLY DISABLED AS OUTLINED.**

 **WARNING: WHEN DISABLING A REPLACED WHEEL USING AN AIR DRILL, PERSONAL PROTECTION DEVICES SUCH AS EYE AND HEARING PROTECTION ARE REQUIRED.**

NOTE: Returned wheels not disabled in accordance with the procedure detailed here, and returned non-affected wheels, are subject to chargeback.

1. Using a drill with at least a 12-mm (1/2-inch) bit, drill 2 or 3 holes in the wheel to permanently disable it.
2. Retain the wheel for warranty parts return. See your service manager or parts manager for further instruction.





Frank M. Ligon  
Ford Motor Company  
P. O. Box 1904  
Dearborn, Michigan 48121

May 2005

Safety Recall 05S31

Mr. John Sample  
123 Main Street  
Anywhere, USA 12345

Your Vehicle Identification Number: 12345678901234567

This notice is sent to you in accordance with the requirements of the National Traffic and Motor Vehicle Safety Act.

Ford Motor Company has decided that a defect which relates to motor vehicle safety exists in certain 2005 model year F-650 and F-750 Trucks with aluminum wheels.

We apologize for this situation and want to assure you that, with your assistance, we will correct this condition. Our commitment, together with Ford dealers, is to provide you with the highest level of service and support.

**What is the issue?**

On your vehicle, it may be possible that the two in-board wheels on the rear axle were not properly machined before being installed. Wheels that have not been properly machined may experience premature cracking on the wheel disc mounting face and may result in wheel separation. A wheel separation of the rear inboard wheel may affect the braking, steering and handling of the truck, which could result in a crash.

**What will Ford and your dealer do?**

Ford Motor Company and your dealer will inspect the two in-board wheels on the rear axle and, if necessary, replace the wheels and remount the tires free of charge (parts and labor). We urge you to return to your dealer for this service.

**How long will it take?**

The time needed for this repair is less than one-half day. However, due to service scheduling requirements, your dealer may need your vehicle for a longer period of time. In addition, your vehicle will require inspection prior to determining if parts need to be ordered.

**What are we asking you to do?**

Please call your dealer without delay and request a service date for Recall 05S31. Provide the dealer with the Vehicle Identification Number (VIN) of your vehicle. The VIN is printed near your name at the beginning of this letter.

Fleet Owners: To locate a dealer, call 1-800-34FLEET. Representatives are available 8:30AM to 6:00PM Monday through Friday (Eastern Time Zone).

Motorhome Owners: To locate a dealer that services Motorhomes, call the Motorhome Customer Assistance Center toll free at 1-800-444-3311. Ford representatives are available 24 hours a day.

All Other Owners: If you do not already have a servicing dealer, you can access <http://www.genuineflmservice.com> for dealer addresses, maps, and driving instructions.

**Please note: Federal law requires that any vehicle lessor receiving this recall notice must forward a copy of this notice to the lessee within ten days.**

**Have you changed your address or sold the vehicle?**

If you have, please fill out the enclosed prepaid postcard and mail it to us so we can update our records. If you have sold the vehicle, the information you provide on the postcard will be used to notify the new owner about this recall.

**Can we assist you further?**

If you have difficulty getting your vehicle repaired promptly and without charge, please contact your dealership's Service Manager for assistance.

Fleet Owners: If you still have concerns, please contact the Fleet Customer Information Center at 1-800-34-FLEET and one of our representatives will be happy to assist you. Representatives are available 8:30AM to 6:00PM Monday through Friday (Eastern Time Zone). Or you may contact us through the internet at [www.fleet.ford.com](http://www.fleet.ford.com).

Motorhome Owners: If you still have concerns, please contact the Motorhome Customer Assistance Center toll free at 1-800-444-3311. Ford representatives are available 24 hours a day

All Other Owners: If you still have concerns, please contact the Ford Motor Company Customer Relationship Center and one of our representatives will be happy to assist you.

Call 1-800-392-3673. For the hearing impaired call 1-800-232-5952 (TDD).

Office Hours: (Eastern Time Zone)

Monday – Friday: 8AM – 8PM

Saturday: 9AM – 5:30PM

If you wish to contact us through the Internet, our address is:

[www.ownerconnection.com](http://www.ownerconnection.com)

If you are still having difficulty getting your vehicle repaired in a reasonable time or without charge, you may write the Administrator, National Highway Traffic Safety Administration, 400 Seventh Street S. W., Washington, D. C. 20590 or call the toll free Auto Safety Hotline at 1-888-327-4236 or 1-800-424-9393.

Thank you for your attention to this important matter.

Sincerely,



Frank M. Ligon  
Director  
Service Engineering Operations