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## **IMPORTANT RECALL INFORMATION #60227**

**March 2006**

To: ALL FLEETWOOD DEALER PRINCIPALS,  
SERVICE MANAGERS,  
AND PARTS MANAGERS

SUBJECT: **RECALL CAMPAIGN #60227**  
Quality Axle Hub and Drum Assemblies

Fleetwood Enterprises, Inc., on behalf of its subsidiary manufacturing center located in Crawfordsville, Indiana is requesting your assistance in conducting a voluntary safety recall notification campaign in accordance with the National Highway Traffic and Motor Vehicle Safety Act.

Fleetwood Enterprises, Inc. has decided that a defect which relates to motor vehicle safety exists in certain 2006 model year Prowler, Wilderness and Terry conventional and fifth wheel travel trailers. These travel trailers were manufactured at our Crawfordsville, Indiana manufacturing plant from October 28, 2005 through November 10, 2005.

We are notifying the owners of the affected units in order to correct the problem. A copy of the letter sent to owners is enclosed for your information.

### **WHAT IS THE PROBLEM?**

Travel trailers affected by this recall may have been equipped with improperly hardened axle wheel studs. Properly tightened wheel studs may break at any time, causing wheel and tire assembly separation from the travel trailer, resulting in loss of vehicle control and result in personal injury and/or vehicle crash.

To correct this safety defect, it is necessary to inspect and replace the travel trailer hub and drum assemblies as described in the enclosed Recall Service Bulletin #60227.

### **WHAT SHOULD YOU DO?**

Please check your travel trailer inventory and perform the repair procedure on affected units as outlined in the attached Service Bulletin #60227. It is imperative that this procedure be completed prior to the sale of the affected units so your customers will not be inconvenienced.

Owners of the above mentioned travel trailers have been asked to contact their Fleetwood dealer to have the described safety defect remedied. In the event that a customer contacts you, please verify eligibility by referring to the serial number range listed in the enclosed Recall Service Bulletin #60227 prior to beginning the inspection and repairs.

Should a customer have you perform this service, please complete the **Fleetwood Repair Order (form X-SR-042)**. Once the inspection and repairs are completed, have the customer

sign the ***Fleetwood Repair Order*** and return it to your National Warranty Processing Center in Decatur, Indiana for payment. You will be reimbursed in accordance with Service Bulletin #60227. Customers will not be charged for these repairs.

If you are contacted by the owner of a travel trailer with questions concerning this topic, please ask them to contact:

**FLEETWOOD OWNER RELATIONS - RECALL #60227**  
**800-455-3307**

If you have one of these vehicles in your inventory, you will be mailed a Safety Recall Notice for that specific travel trailer. Fleetwood is asking our dealers to make repairs to stock units on dealer lots prior to sale or lease.

Federal Law (Section 154 of the National Highway Traffic and Motor Vehicle Safety Act of 1966) requires that:

***If you have received a notice of recall or failure to comply from Fleetwood or any component manufacturer, you must repair or otherwise correct the defects on vehicles remaining in your inventory, according to the notification, before selling or leasing the vehicles. Any vehicle lessor receiving this recall notice must forward a copy of the notice to the lessee within ten days.***

Please review this entire package with your parts and service staff to familiarize them with the step-by-step procedure and implement the Voluntary Safety Recall Campaign.

Thank you for helping Fleetwood with its continuing efforts to maintain customer satisfaction. If you have any questions, please contact your regional Fleetwood Service Center.

Sincerely,

FLEETWOOD ENTERPRISES, INC.



Jacy Young  
Service Administrator  
Travel Trailer Division

Enclosures: Recall Service Bulletin 60227  
Recall Customer Letter

# Recall Bulletin 60227



## RECALL BULLETIN: 60227

The purpose of this bulletin is to inform all Fleetwood dealers about a Recall involving certain Fleetwood Conventional and Fifth Wheel Travel Trailers. Affected units will need to have the Hub and Drum Assemblies replaced.

## YEAR(S) AFFECTED: 2006

**Note:** Read this entire document before starting repairs.

## PRODUCT(S) AFFECTED:

Prowler, Terry,  
Wilderness,  
Conventional and  
5th Wheel  
Travel Trailers  
with Serial  
Numbers Listed  
in this Bulletin

## CONDITION:

Certain travel trailers with serial numbers listed in this bulletin, have been equipped with improperly hardened axle wheel studs. Properly tightened wheel studs may break at any time.

## MODEL(S) AFFECTED:

305RL, 365FL,  
330FK

## INSPECTION:

1. Park the conventional or fifth wheel travel trailer on a hard flat surface. Block one wheel, fore and aft, on each side of the conventional or fifth wheel travel trailer.
2. Examine the outside perimeter of the brake drum. If the brake drum has a smooth perimeter, as shown in Figure 1, no further action is necessary. If the brake drum has fins as shown in Figure 2, proceed with the next step.
3. Locate the axle label on the topside of the axle beam. Axle labels matching the serial numbers shown in Figure 3, must have both Hub and Drum Assemblies replaced. Proceed with the Correction section of this Bulletin. If the travel trailer axles have axle label serial numbers different than what is shown in Figure 3, no further action is necessary.

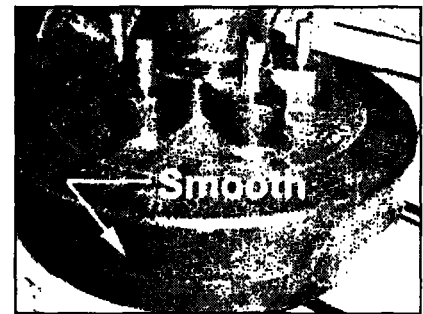


Figure 1  
Correct Drum  
No Repair Necessary

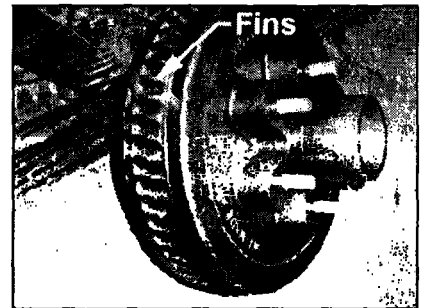


Figure 2

## SUBJECT:

Install Hub  
and Drum  
Assemblies  
with Properly  
Hardened  
Wheel Studs

## KEYWORDS:

Lug Nuts, Lug  
Bolts, Wheel  
Stud, Stud

## ISSUE DATE:

March 2006

October 5, 2005  
Quality Trailer Products Axle Div.  
Serial Number 5278  
FLEETWOOD Capacity  
Part #B21-1113 5200 LBS.

October 5, 2005  
Quality Trailer Products Axle Div.  
Serial Number 5278  
FLEETWOOD Capacity  
Part #B21-1116 6000 LBS.

Figure 3

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"It is impossible to know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Accordingly, anyone who uses a service procedure or tool must first assure that neither personal safety nor vehicle safety will be jeopardized by the selected service methods."

## **CORRECTION:**



### **WARNING**

**RAISE ONLY ONE SIDE OF THE CONVENTIONAL OR FIFTH WHEEL TRAVEL TRAILER AT A TIME.**

4. Use a floor jack of sufficient capacity to raise one side of the conventional or fifth wheel travel trailer. Locate the floor jack under the spring tie plate below the axle. See Figure 4. Raise the axle just enough to take some of the weight off the wheel.
5. Loosen the lug nuts 1/3 to 1/2 turn.
6. Raise the axle until the tire just clears the ground.
7. Install a Jack Stand Support of sufficient capacity under the axle and as close to the spring tie plate as possible. Slowly lower the floor jack until all of the weight is resting on the Jack Stand Support.
8. Repeat Steps 4 – 7 for the other axle on the **same side** of the conventional or fifth wheel travel trailer and install an additional Jack Stand Support of sufficient capacity under the second axle.
9. Remove the lug nuts and the two (2) wheels from the raised side of the conventional or fifth wheel travel trailer. Retain wheels and lug nuts for reassembly.
10. Work on one hub at a time. Remove the grease cap by carefully prying around the grease cap flange. Protect the grease cap from dirt and debris. Retain for reassembly.
11. Bend the locking tang washer to free the spindle nut.
12. Unscrew the spindle nut (counterclockwise) and remove along with the tang washer and spindle washer. Retain spindle nut, spindle washer and tang washer for reassembly.
13. Remove the Hub and Drum Assembly from the spindle.
14. Remove and protect the outer bearing from dirt and debris. Retain for reassembly.
15. Repeat Steps 10 –14 for the second axle on the **same side** of the conventional or fifth wheel travel trailer.
16. Lay the two Hub and Drum Assemblies on a clean surface with the drum opening side up.
17. Remove and discard the grease seals from each hub.

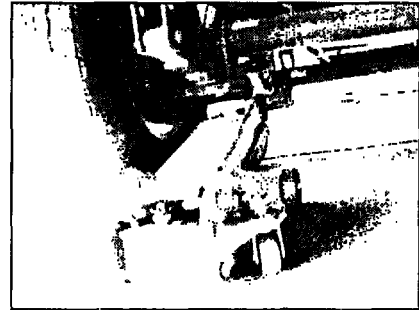


Figure 4

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18. Remove the inner bearing assembly from each hub and protect from dirt and debris. Retain inner bearings for reassembly.  
**NOTE:** The bearing cups do not need to be removed from the hub. The new Hub and Drum Assemblies have inner and outer bearing cups already installed.
19. Wipe the grease from the hubs. Dispose of the grease and rags according to local or state regulations.  
**NOTE:** Hub and Drum Assemblies must be returned to Fleetwood with the Warranty Claim.
20. Position the two new Hub and Drum Assemblies, part #479333, on a clean surface.
21. Apply a coat of grease to the inner bearing cups on both hubs.
22. Make sure there is sufficient grease on the inner bearings, add grease as necessary, and install the inner bearing assemblies into the inner bearing cups on each hub.
23. Position and install a new grease seal, part #479332, on each Hub and Drum Assembly.
24. Apply a coat of grease to the outer bearing cups.
25. Proceed working on one hub at a time. Install the Hub and Drum Assembly on the axle spindle.
26. Make sure there is sufficient grease on the outer bearing, add grease as necessary, and install the outer bearing assembly on the spindle.
27. Install the spindle washer.
28. Install the tang washer.
29. Install the spindle nut and tighten to approximately 50 ft-lbs. of torque.
30. Back the spindle nut off and retighten by hand. The Hub and Drum Assembly should turn freely without any wobble or loose bearing play.
31. Bend the tang washer over the flat of the spindle nut to lock the spindle nut in place.
32. Install the grease cap.
33. Repeat Steps 25 –32 for the second axle on the **same side** of the conventional or fifth wheel travel trailer.

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## WARNING

**IF NOT PROPERLY TIGHTENED, LOOSE LUG NUTS CAN DAMAGE THE STUD AND/OR WHEEL. IF DRIVEN IN THIS CONDITION FOR ANY EXTENDED PERIOD, SEVERE WHEEL DAMAGE COULD OCCUR AFFECTING THE HANDLING OF THE TRAVEL TRAILER.**

### WHEEL REINSTALLATION:

34. Place the wheels on the wheel mounting surface of the Hub and Drum Assemblies. Reinstall the wheel lug nuts, removed in Step 9, with the tapered end of the lug nuts toward the wheel. Tighten each lug nut by hand until the wheels are held against the wheel mounting surfaces. Lower the tires to the ground. Tighten the lug nuts to an initial 60 ft.-lbs. of torque and then to the final torque specification of 80-90 ft.-lbs. Follow the lug tightening sequence identified in Figure 5.

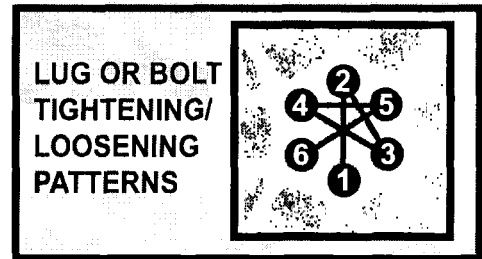


Figure 5

35. Adjust brakes as necessary.
36. Repeat Steps 4 - 36 for the second side of the conventional or fifth wheel travel trailer.

### DELIVERY TO CUSTOMER:

37. When the conventional or fifth wheel travel trailer is delivered back to the customer, you **must** instruct the customer on proper wheel lug nut torque procedures. The customer must understand that the procedure needs to be followed at all times as outlined in the Fleetwood Owner's Manual. Customers **must** be advised that lug nut torque needs to be checked at 10-25-50 and 100 miles. Customers should also check lug nut torque prior to each trip.

### PARTS:

|        | <u>Description</u>    | <u>Qty</u> |
|--------|-----------------------|------------|
| 479333 | Hub and Drum Assembly | 4          |
| 479332 | Inner Grease Seal     | 4          |
| 464731 | Tang Washer           | *AR        |

\*AR=As Required

### TOOLS:

|                                                                                |                                               |
|--------------------------------------------------------------------------------|-----------------------------------------------|
| Floor Jack                                                                     | Jack Stands Supports (2 required)             |
| 1 lb. Ball Peen Hammer                                                         | 1/2" Diameter 12" Long Drift Punch            |
| Torque Wrench, 1/2 inch Drive, Clicker Type                                    | 13/16 inch Deep Socket, 1/2 inch Drive        |
| 2 inch Long Socket Extension, 1/2 inch Drive                                   | 13/16 inch Deep Impact Socket, 1/2 inch Drive |
| Ratchet with 1" Socket                                                         | Grease Gun with Wheel Bearing Grease          |
| 1/2 inch Impact Wrench (for lug nut removal and preliminary installation only) |                                               |
| Shop Rags                                                                      |                                               |

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### **Warranty Labor Allowance**

Repair times listed below are for repairs to all four (4) Hub and Drum Assemblies on two (2) axles. Warranty labor allowance includes R/I four (4) wheels, R/R four (4) Hub and Drum Assemblies, R/I four (4) inner and four (4) outer wheel bearings, and R/R four (4) new grease seals.

Use Flat Rate Code:

|           |                                                      |
|-----------|------------------------------------------------------|
| 9165 - 11 | .2 hr. Inspected/Not Defective                       |
| 9165 - 12 | 3.2 hr. Inspected/Defective/Repaired (for two axles) |
| 9165 - 13 | .2 hr. Inspected/Defective/Owner Decline             |
| 9165 - 14 | .2 hr. Inspected/Defective/Missing Parts             |
| 9165 - 15 | .2 hr. Inspected/Defective/Need Tools                |
| 9165 - 16 | .2 hr. Unable to Notify Customer                     |
| 9165 - 17 | .2 hr. Customer Unreachable                          |

Please direct Bulletin questions to Fleetwood Travel Trailer Dealer Technical Support at:  
(800) 617-6447

*Fleetwood service literature can be accessed at:*  
<http://www.fleetwoodrvdealers.com>

### **Affected Travel Trailer Serial Numbers**

| Prowler           | Terry             | Wilderness        |
|-------------------|-------------------|-------------------|
| 1EC5R302864284889 | 1EA5R302464284896 | 1ED5R302664284885 |
| 1EC5R302864284892 | 1EA5R302864284898 | 1ED5R302864284886 |
| 1EC5R302X64284893 | 1EA5R302X64284899 | 1ED5R302X64284887 |
| 1EC5R302164284894 | 1EA5F362364284906 | 1ED5F362964284900 |
| 1EC5R302364284895 | 1EA5F362764284908 | 1ED5F362064284901 |
| 1EC5R302564284882 | 1EA1F332364284939 |                   |
| 1EC5R302764284883 |                   |                   |
| 1EC5F362764284902 |                   |                   |
| 1EC5F362964284903 |                   |                   |
| 1EC5F362664284907 |                   |                   |

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