

# Recall Bulletin 60109



**RECALL  
BULLETIN:  
60109**

**YEAR(S)  
AFFECTED:**  
2006

**PRODUCT(S)  
AFFECTED:**

Prowler, Terry,  
Wilderness,  
Travel Trailers  
with Serial  
Numbers Listed  
in this Bulletin

**MODEL(S)  
AFFECTED:**  
250RK

**SUBJECT:**  
Install Wider  
Axle to Provide  
Additional  
Clearance to  
Frame Members

**KEYWORDS:**  
Axle,  
Suspension,  
Width,  
Tires, Wheel  
Clearance

**ISSUE DATE:**  
January 2006

The purpose of this Bulletin is to inform all Fleetwood dealers about the procedure to replace narrow axles on certain conventional travel trailers whose serial numbers are listed in this Bulletin.

**CONDITION:**

A small number of Fleetwood conventional travel trailers were manufactured with axles that may provide insufficient clearance between the inside tire sidewall and the frame or travel trailer structure. If a customer contacts you regarding this condition, refer to the instructions in this Bulletin to correct the condition.

**NOTE:** Read this entire Bulletin before starting repairs.

**CORRECTION:**

1. Park the travel trailer on a smooth and paved flat level surface. Visibly determine the axle loading is equally distributed. Adjust as necessary.
2. Position a floor jack of sufficient capacity under the rear axle spring tie plate or the "U" bolts on each side of the conventional travel trailer. Two (2) floor jacks will be required.
3. Evenly raise both sides of the axle until the rear tires are off the ground.
4. Place two (2) jack stands of sufficient capacity under the frame approximately 18 inches behind the rear axle rear spring shackle. Place two (2) additional jack stands of sufficient capacity under the frame approximately 18 inches ahead of the front axle front spring shackle.
5. Remove both wheels from the raised axle. Store wheels and lug nuts in a safe location for later reinstallation.  
**NOTE:** Repairs should be made to one axle at a time.
6. Evenly lower the two floor jacks, under each side of the axle, until the weight is suspended by the axle springs.
7. Locate the brake wires. Label for later reassembly. Cut the wires at the butt connectors nearest the axle backing plate on each end of the axle.
8. Select the correct size socket and loosen the axle "U" Bolts nuts. Do not remove the "U" bolts nuts at this time.
9. Reposition the floor jacks under the axle on each side and slightly lift the axle to reduce the weight load on the springs
10. Select the correct size socket and loosen the nut from the rear axle rear spring shackle until the outer face of the nut is flush with the end of the shackle bolt.
11. Tap on the end of the shackle bolt and nut with a light to medium weight hammer and pin punch to release the bolt splines from the shackle. The nut may need to be removed and the pin punch used to complete disassembly of the shackle bolt.
12. Repeat Step 11 on the other side of the axle.
13. Gently lower both floor jacks allowing the axle to swing to the ground from the opposite spring mounts.

© 2006 Fleetwood Enterprises, Inc.

*This bulletin is supplied for technical information only and is not an authorization for repairs.*

Federal Law (Section 154 of the National 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.

"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."

14. Remove the floor jacks.
15. Remove the "U" Bolts from the axle and retain along with the nuts for reassembly.
16. Remove the axle from under the travel trailer.
17. Install the new axle #432810. Position the new axle on the spring tie plate locator pin and install the "U" bolts with nuts. Only snug the "U" bolt nuts at this time.
18. Position the floor jacks under each side of the axle and evenly raise the axle until the shackle bolts removed in Step 11, can be reinstalled through the shackle and spring.
19. Tap on the head of the shackle bolts, on each side of the travel trailer, to seat the bolt splines into the shackle. A hammer back-up may be necessary on the opposite shackle side to completely seat the bolt splines.
20. Install the nuts on the shackle bolts and torque to 30-50 ft-lbs.
21. Torque the "U" bolt nuts to the high side of the torque specifications below:
 

<u>"U" Bolt Size</u>	<u>Nut Wrench Size</u>	<u>Torque Specification</u>
7/16"	11/16"	45-70 ft-lbs.
1/2"	3/4"	45-70 ft-lbs.
9/16"	7/8"	60-85 ft-lbs.
22. Install heat shrink tubing on the brake wires and connect the harness brake wires to the new axle with an appropriate sized butt connector. Attach the wires according to the wire labeling from Step 6. Secure brake wires to chassis frame as needed.  
NOTE: Make sure the brake wires have sufficient length to allow for axle movement. Brake wires should not sag below the axle or be routed near the tire area.
23. Seal the heat shrink tubing over the wire connection.
24. Install the wheels on the new axle. Snug the lug nuts at this time. Lug nuts will be tightened to specified torque ratings later in this procedure.
25. Evenly lower the two floor jacks and reposition them under the spring tie plate, on each side, for the front axle.
26. Evenly raise both sides of the axle until the front tires are off the ground.
27. Follow Steps 5-24 for the front axle.
28. Raise the floor jacks evenly until the 4 jack stands can be safely removed. Remove the jack stands.
29. Lower the travel trailer evenly to the ground and remove the floor jacks.
30. Torque the wheel lug nuts to the specifications listed on the attached lug nut torque specifications page.
31. Advise the customer to check the wheel lug nut torque at 10, 25, and 50 miles of initial road use.

<b><u>PARTS:</u></b>	<b><u>Description</u></b>	<b><u>Qty</u></b>
432810	Axle, Travel Trailer	2
obtain locally	Butt Connectors, Electrical Wiring	8
obtain locally	Heat Shrink Tubing	AR
obtain locally	14 Gauge Wire	AR
obtain locally	Wire Ties	AR

AR = As Required

Place parts orders and process warranty repair orders by using the Fleetwood Dealer Network (FDN). If you have questions concerning the parts listed in this Bulletin, call Fleetwood's Parts Department at: (800) 285-1041

*This bulletin is supplied for technical information only and is not an authorization for repairs.*

Federal Law (Section 154 of the National 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.

"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."

**TOOLS:**

Floor Jacks (2 required)  
Diagonal Cutters  
Wire Crimper  
Heat Gun  
3/8" Pin Punch  
10 ounce Ball Peen Hammer

Jack Stands (4 required)  
Wire Stripper  
Air Impact Wrench with 13/16" Socket  
1/2" Drive Ratchet with Socket Assortment  
Torque Wrench with 13/16" Deep Socket

**WARRANTY LABOR ALLOWANCE:**

Repair time allowance is for the replacement of both axles.

**Use Flat Rate Codes:**

9167 – 11	0.2 hr.	Inspected/No Problem Found
9167 – 12	3.0 hr.	Inspected/Defective/Repaired
9167 – 13	0.2 hr.	Inspected/Defective/Owner Decline
9167 – 14	0.2 hr.	Inspected/Defective/Missing Parts
9167 – 15	0.2 hr.	Inspected/Defective/Need Tools
9167 – 16	0.2 hr.	Unable to Notify Customer
9167 – 17	0.2 hr.	Customer Unreachable

**Affected Travel Trailer Serial Numbers**

**Prowler**

<b><u>1EC1R252964284949</u></b>
<b><u>1EC1R252564284950</u></b>
<b><u>1EC1R252764284951</u></b>
<b><u>1EC1R252964284952</u></b>
<b><u>1EC1R252064284953</u></b>
<b><u>1EC1R252264284954</u></b>
<b><u>1EC1R252X64284958</u></b>
<b><u>1EC1R252164284959</u></b>

**Terry**

<b><u>1EA1R252364284955</u></b>
<b><u>1EA1R252564284956</u></b>
<b><u>1EA1R252764284957</u></b>

**Wilderness**

<b><u>1ED1R252964284946</u></b>
<b><u>1ED1R252064284947</u></b>
<b><u>1ED1R252264284948</u></b>

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>

*This bulletin is supplied for technical information only and is not an authorization for repairs.*

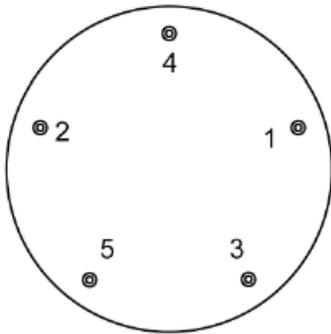
Federal Law (Section 154 of the National Traffic and Motor Vehicle Safety Act of 1966) requires that: If you have received a notice of recall or failure to comply from Fleetwood or any component manufacturer, you must repair or otherwise correct the defects on vehicles remaining in your inventory, according 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.

"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."

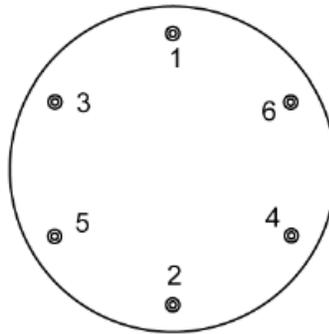
## WHEEL LUG NUT TORQUE SPECIFICATIONS

WHEELS	SIZE	RECOMMENDED TORQUE
STEEL WHEEL-SPOKE 13X4.5X545 AW	13	80 - 90 FT/LBS
STEEL WHEEL-SPOKE 14X5.5X545 AW	14	80 - 90 FT/LBS
STEEL WHEEL-SPOKE 15X5X545 AW	15	80 - 90 FT/LBS
STEEL WHEEL-SPOKE 15X6X655 AW	15	90 - 100 FT/LBS
STEEL WHEEL-SPOKE 16X6X655 AW	16	90 - 110 FT/LBS
CHROME WHEEL - 15X6X545	15	85 - 95 FT/LBS
CHROME WHEEL - 15X6X655	15	85 - 95 FT/LBS
CHROME WHEEL - 16X6X655	16	85 - 95 FT/LBS
CHROME WHEEL - 16X6X865	16	105 - 115 FT/LBS

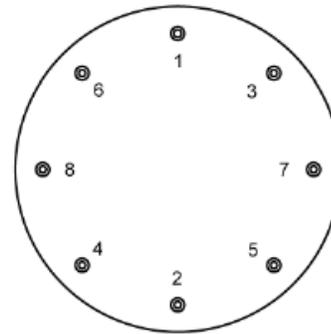
### LUG TIGHTENING SEQUENCE



FIVE LUG WHEEL



SIX LUG WHEEL



EIGHT LUG WHEEL

### MOUNTING THE WHEEL

Place the wheel on the wheel mounting surface. Replace the wheel lug nuts with the rounded end of the lug nut toward the wheel. Tighten each nut by hand until the wheel is held against the wheel mounting surface. Lower the tire to the ground. Tighten the lug nuts to an initial 60 ft.-lbs. and then to the final torque specification. Follow the appropriate sequence for tightening the lug nuts.

#### **⚠ 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.

*This bulletin is supplied for technical information only and is not an authorization for repairs.*

Federal Law (Section 154 of the National 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.

"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."