



FOREST RIVER SPARE TIRE CARRIER REPAIR RECALL #18V-180

Purpose

This document refers to the repair of Forest River No Boundaries 10 Series travel trailers. Forest River has announced a recall on the spare tire carrier for the No Boundaries 10 Series travel trailer models. The spare tire carrier, which is mounted on the side, is cracking the main rail. To remedy the problem, LCI has created a repair procedure which includes a new subassembly with a receiver tube to be bolted to the main rail.

Safety

⚠ WARNING

Unprotected flammable underbelly features may cause a fire or explosion that could result in death, serious personal injury or severe product or property damage. Isolate or shield flammable underbelly features from excessive heat and sparks generated during welding operation.

⚠ CAUTION

Make sure the trailer is properly supported before performing any maintenance or repair work. Follow the trailer manufacturer's recommendations for supporting the trailer. Use proper personal protective equipment.

⚠ CAUTION

Welding generates excessive heat, hot sparks and blinding light, which can cause serious personal injury. Use appropriate personal protective equipment for welding, cutting and grinding.

Resources Required

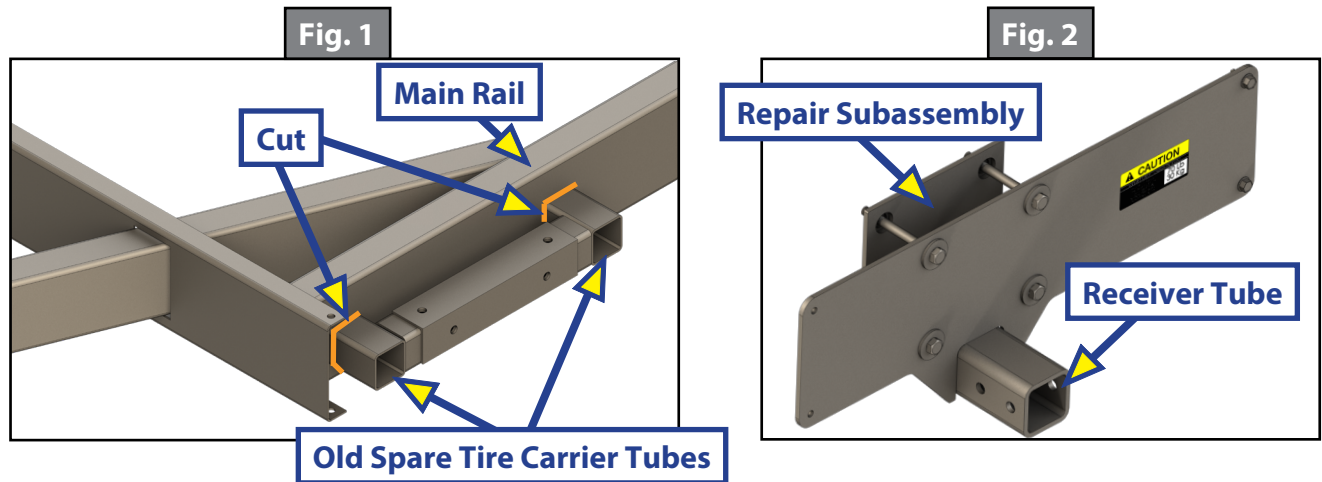
- Personal protective equipment
- Fire extinguisher
- Oxyacetylene torch/plasma cutter
- Cordless or electric drill or screw gun
- Appropriate drive bits, 1/2" drill bit
- Torque wrench
- Welder
- Grinder
- Black spray paint

Repair Parts		
Part #	Description of kits	Qty
728581	Bolt-on No Boundaries spare tire repair subassembly kit; includes hardware listed below	1
721401	Spare tire carrier, new (ordered separately)	1
Part #	Description of parts contained in subassembly kit	Qty
728579	Bolt-on spare tire repair subassembly	1
118230	1/4" - 14 x 3/4" screw, self-drilling hex washer-head	4
132696	1/2" - 13 x 3 1/4" bolt, yellow Zinc, Grade 5	4
135855	1/2" flat washer, Zinc	8
118045	1/2" - 13 nylon locking nut, Zinc	4
383495	3/8" - 16 x 3 1/2" bolt, Grade 8; or a Grade 5 minimum equivalent	2
119075	3/8" flat washer, Zinc	4
118044	3/8" - 16 nylon locking nut, Zinc	2

Preparation

NOTE: Orange lines indicate where material will be removed by cutting.

1. Support the trailer in accordance with the manufacturer's recommendations.
2. Remove old spare tire carrier.
3. Make sure the area is clear of insulation, obstructions and fire hazards.
4. Cut away both spare tire carrier tubes from the main rail (Fig. 1).
5. Inspect area for cracking and, if needed, repair cracks with welds.
6. Grind down repair to provide a flat surface for attaching the repair subassembly (Fig. 2). Take care not to compromise the tube wall.
7. After welds have cooled, clean and paint welded areas.

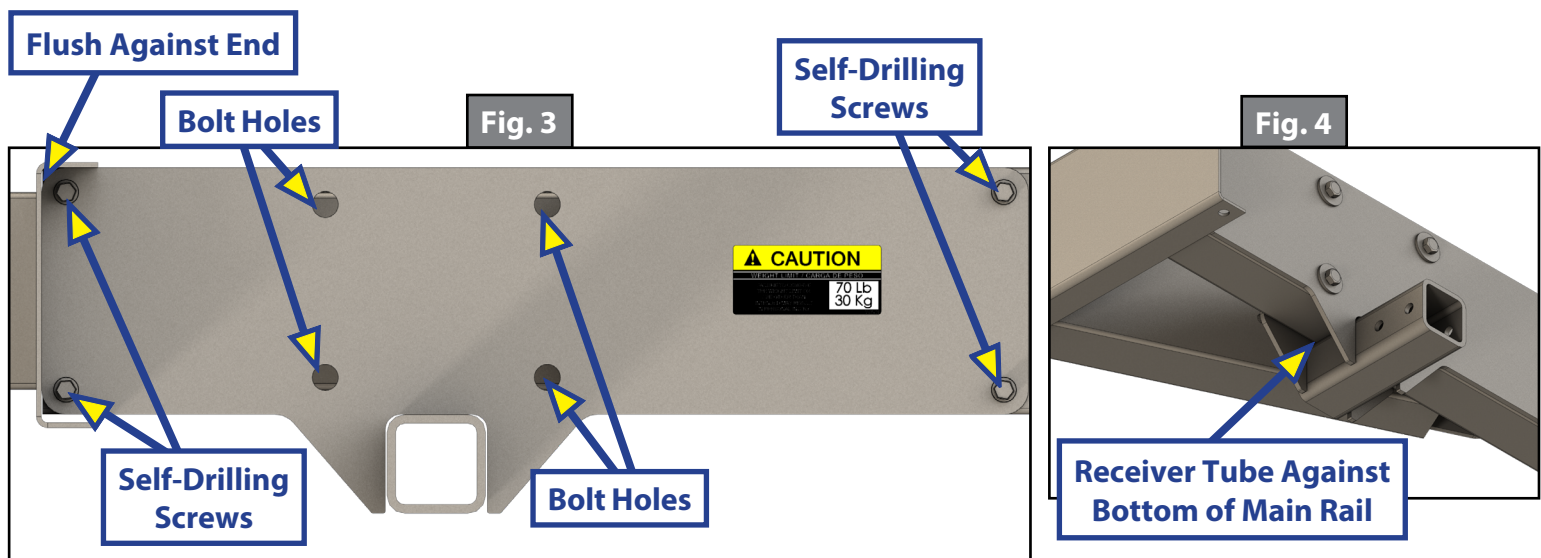


Procedure

1. Place the repair subassembly (Fig. 2) under the main rail so the rail bisects the wider front plate and the narrower back plate of the subassembly (Fig. 4).
 - A. For proper horizontal placement, place the left edge of the front plate flush against the end of the main rail (Fig. 3).
 - B. For proper vertical placement, slide the subassembly upward until the receiver tube is held firmly against the bottom of the main rail (Fig. 4) and the bracket is flush with the top of the main rail.

NOTE: If subassembly is not flush with the top of the main rail, the rail will pucker when the fasteners are tightened.

2. Using the pre-drilled holes in the four corners of the front plate, install four 1/4" - 14 x 3/4" self-drilling screws (Fig. 3).



3. Locate the larger pre-drilled bolt holes in the subassembly above the receiver tube (Fig. 3).
4. With a 1/2" drill bit and using the subassembly's pre-drilled holes as a template, drill four bolt holes through the main rail and rear plate.
5. Place a 1/2" flat washer onto a 1/2" - 13 x 3/4" Grade 8 bolt.
6. Insert 1/2" bolt with washer through one of the bolt holes (Fig. 5), then place a 1/2" flat washer and a 1/2" nylon locking nut onto the end of the bolt (Fig. 6).
7. Repeat steps 5 and 6 for the other three bolts.
8. Torque nuts to 30 ft-lbs to secure subassembly.
9. Place new spare tire carrier on receiver tube (Fig. 7).
10. Place 3/8" flat washers onto 3/8" - 16 x 3 1/2" Grade 8 bolts, and then insert bolts through the two new spare tire carrier mounting bolt holes and the receiver tube mounting bolt holes.
11. Place 3/8" flat washers and 3/8" locking nuts onto the ends of the bolts.
12. Tighten nuts to safely secure new spare tire carrier to the receiver tube.

Fig. 5

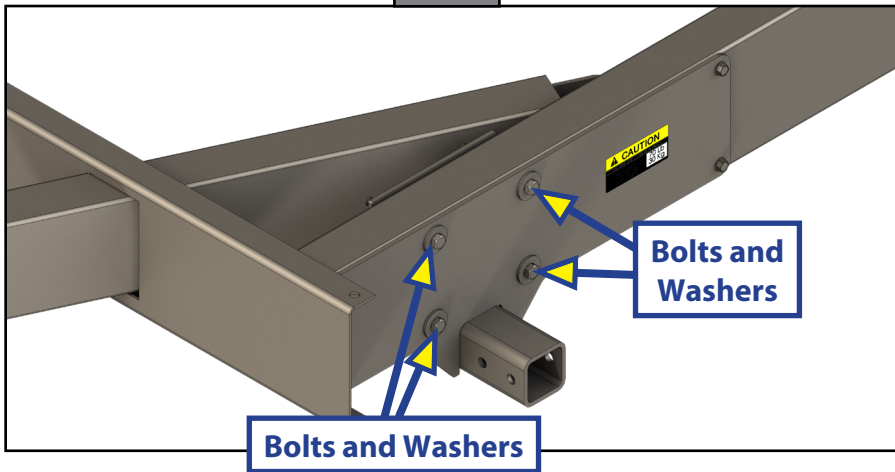


Fig. 6

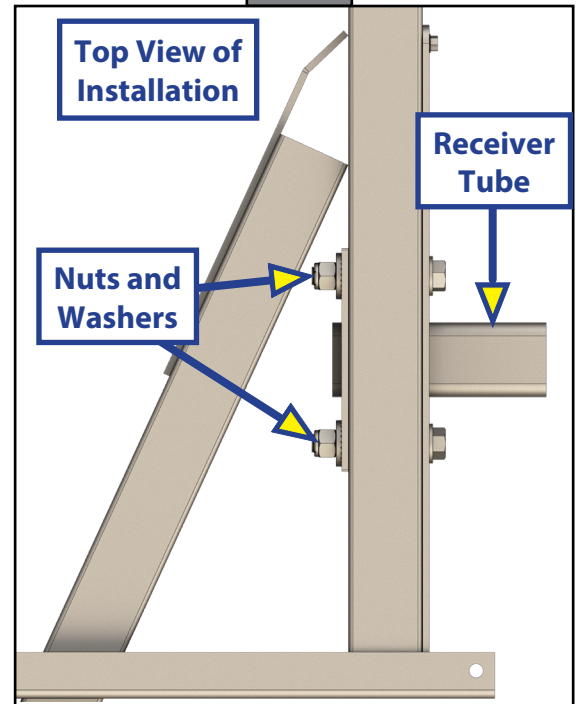
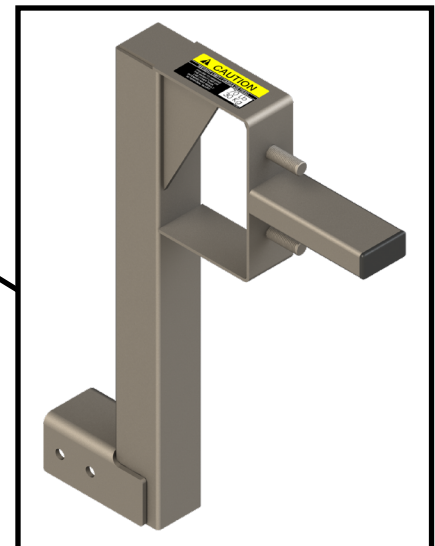
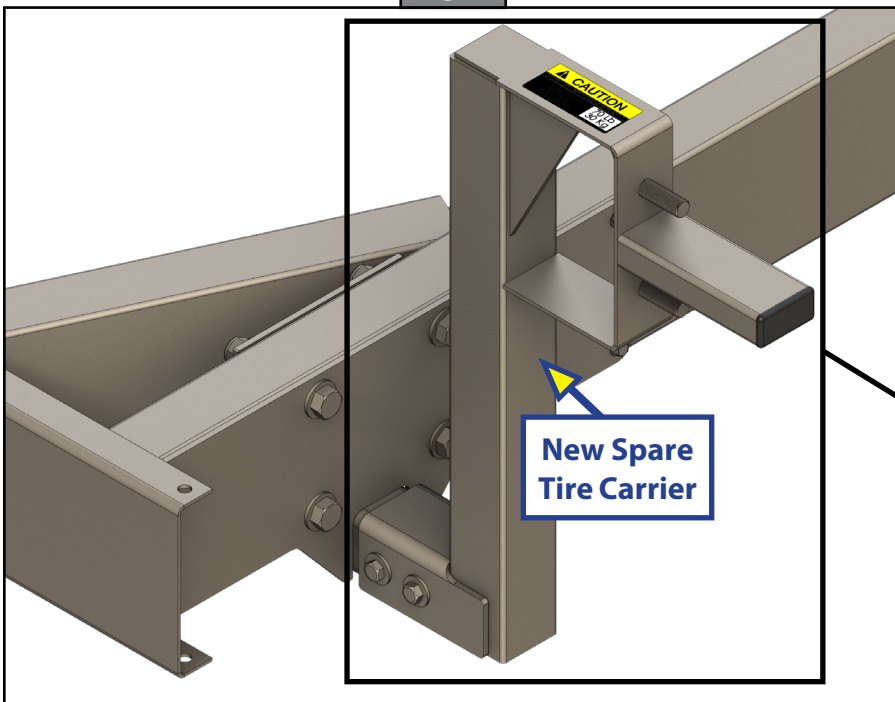


Fig. 7



As a supplier of components to the RV industry, safety, education and customer satisfaction are our primary concerns. Should you have any questions, please do not hesitate to contact us at (574) 537-8900 or by email at customerservice@lci1.com. Self-help tips, technical documents, product videos and a training class schedule are available at lci1.com or by downloading the MyLCI app.