

## AXLES AND SUSPENSION

### Introduction

This document details the steps to remove a damaged Correct Track™ hanger and replace it with a new hanger.

### Safety

#### **WARNING**

The "WARNING" symbol above is a sign that the installation procedure has a safety risk involved and may cause death, serious personal injury and/or product or property damage if not performed safely and within the parameters set forth in this instruction sheet.

#### **WARNING**

Always lift trailer by the frame, never the axle or suspension. Do not go under the trailer unless it is properly supported by jack stands. Unsupported trailers can fall causing death or serious injury. This repair should only be completed by an authorized service technician.

#### **WARNING**

Failure to remove flammable objects, obstructions, tires, axles or additional suspension components may result in death, serious personal injury and/or severe product or property damage.

#### **CAUTION**

Always wear eye protection when performing service or maintenance to the trailer. Other safety equipment to consider would be hearing protection, gloves and possibly a full face shield, depending on the nature of the service.

#### **CAUTION**

Moving parts can pinch, crush or cut. Keep clear and use caution.

### Resources Required

- New hangers (PNs 303917 or 303918)
- Jack stands
- Floor jacks
- Welder
- Torque wrench
- Personal protective equipment (PPE) for welding
- Die grinder with cutting wheel attachment
- Cordless or electric drill or screw gun
- Appropriate drive bits
- Tape measure
- Marker
- Fire blankets or other heat protective devices
- Black spray paint
- Lint-free wipes
- Mineral spirits

### Instructions

#### Preparation

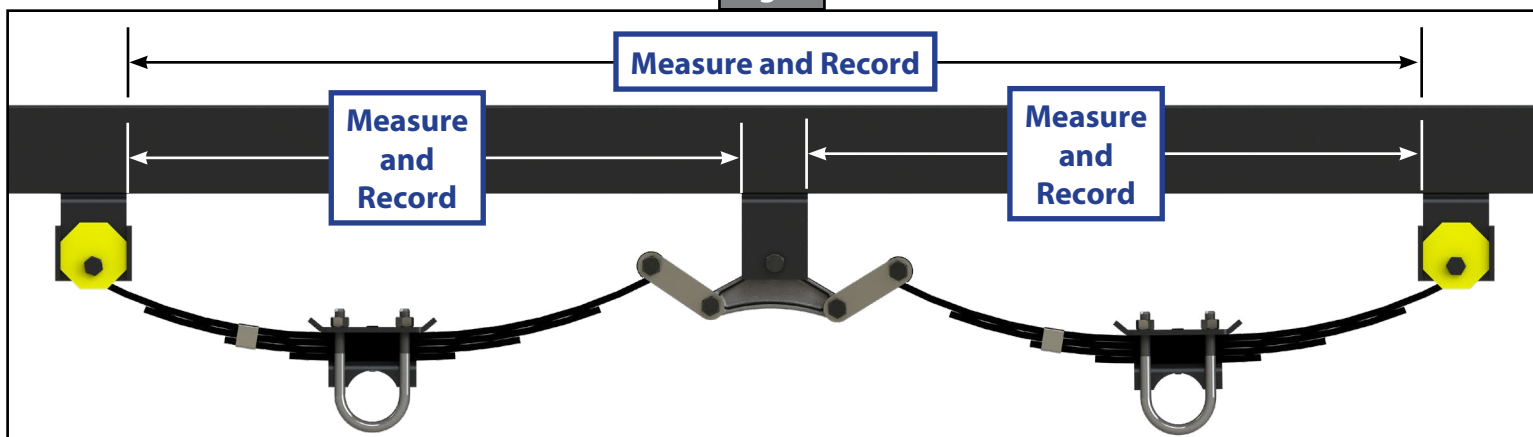
**NOTE:** Solid orange lines in this instruction sheet refer to using a grinder to remove components. Solid red/black lines refer to using a welder to add frame components.

1. Lift front and rear of frame with floor jacks and stabilize with jack stands.
2. Support framework in accordance with the manufacturer's recommendation.
3. Remove tires.
4. Remove underbelly material, if applicable.
5. Remove any gas lines, flammable items and/or obstructions that may be damaged during the repair or that may present a danger when welding.

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6. Using heat-resistant material, cover any remaining components within the welding area that could not be removed or relocated.
7. Stabilize axles with floor jacks.
8. Measure the distance between the axle hanger to be replaced and the adjacent hanger (Fig. 1). Record the measurements.

Fig. 1

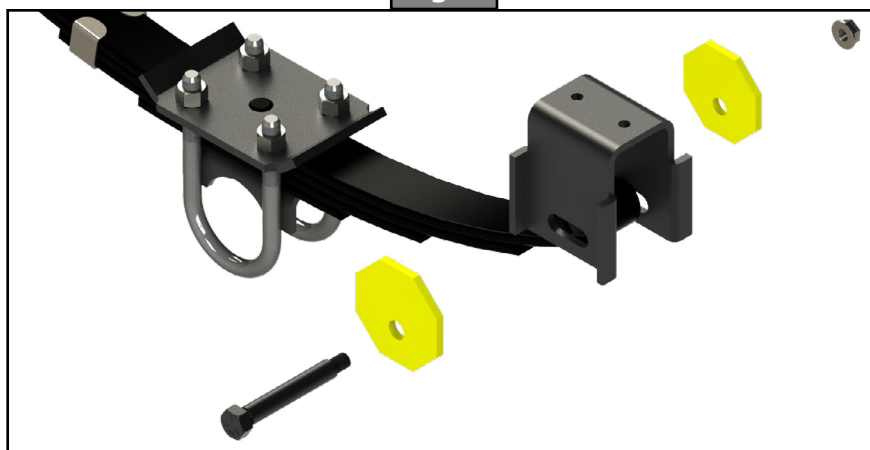


9. Remove cam and bolt assembly from the hanger (Fig. 2) and set aside.

**NOTE:** I-beam removed for clarity.

**NOTE:** Record position of cam for later use.

Fig. 2



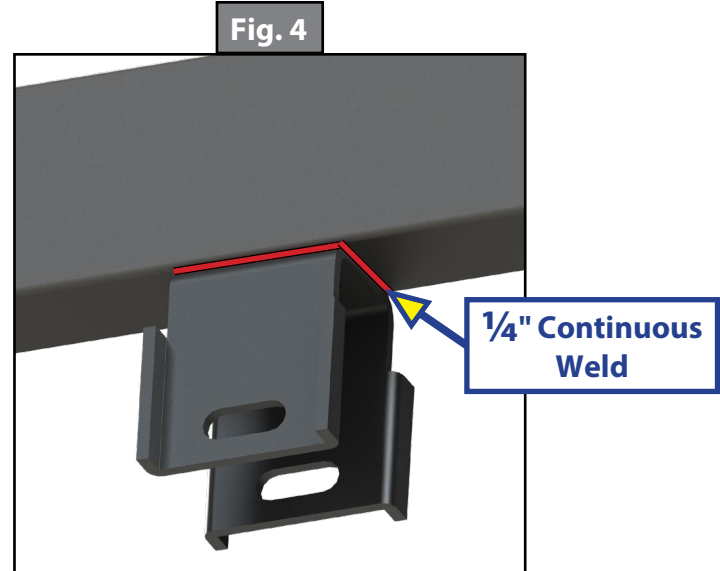
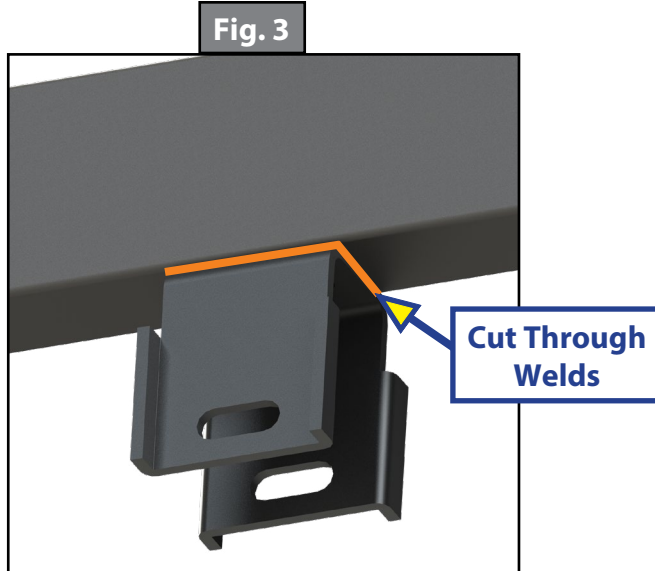
10. Lower axle and spring nearest the hanger to be replaced.

### **⚠ WARNING**

**Failure to remove flammable objects, obstructions, tires, axles or additional suspension components may result in death, serious injury and/or severe product or property damage.**

11. Using a die grinder with a cutting wheel, cut through each weld on all four sides of the hanger (Fig 3). Make sure not to cut into the frame.
12. Grind off any excess welding material until the surface of the frame is smooth. Make sure not to grind into the frame.

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### Installation

1. Measure and mark the frame where the new hanger will be mounted (refer to Preparation section). Make sure the new hanger is properly aligned.
2. Weld the new hanger into place using a 1/4" continuous weld bead on all four sides (Fig. 4).

### Post-Weld Cleanup

1. Allow welded areas to cool completely.

### ⚠ CAUTION

**Overspray or dripping of paint and solvents onto an unprotected floor can create a slipping hazard. Slipping on wet surfaces can cause personal injury. Use a drop cloth or other similar protective material on the work area to prevent slipping.**

2. Chip off any flux from the welds and inspect the welds for completeness.
  3. Paint over the welded areas with rust inhibitor spray paint or brushed-on paint.
- NOTE:** Spray and brush applications will have uniquely different appearances.
4. Let painted areas on the chassis/frame dry completely.
  5. Reinstall all previously removed or relocated components (steps 3-5 of the Preparation section) to their original location.
  6. Raise axle and spring to align the spring holes with the hanger.
  7. Reinstall Correct Track cams on front and back sides of the hanger in their original positions (step 9 of the Preparation section).
  8. Insert shoulder bolt from the back side of the hanger and extend bolt through the cams and hanger.
  9. Torque shoulder bolt nut to 30-50 ft-lbs.
  10. Reinstall axle, tire and other components previously removed.
  11. Lower the trailer to the ground.

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](mailto:customerservice@lci1.com). Self-help tips, technical documents, product videos and a training class schedule are available at [lci1.com](http://lci1.com) or by downloading the MyLCI app.

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Follow proper safety practices. If in doubt, consult a professional RV technician.