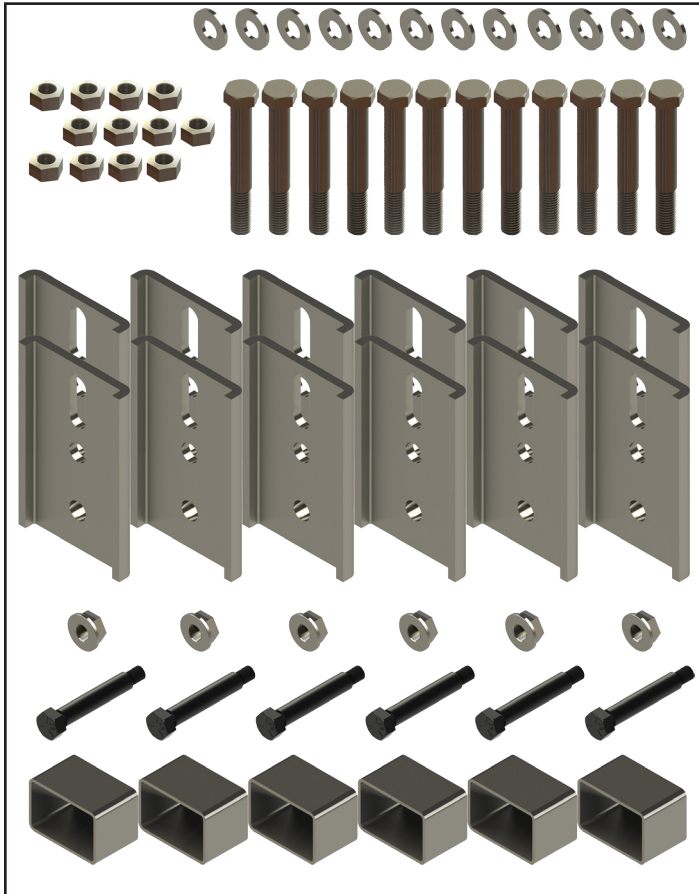




LIPPERT  
COMPONENTS®



## Tandem Axle

### 2" Lift Kit

# Aftermarket Manual

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Tandem Axle 2" Lift Kit  
**Aftermarket Manual**

## Introduction

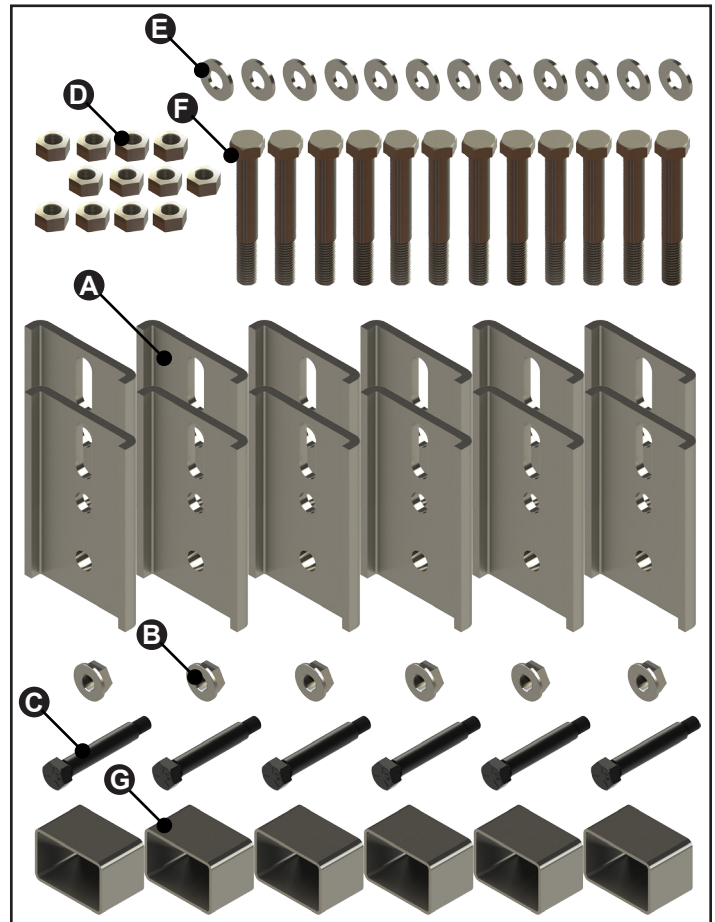
The Lippert Component, Inc. Tandem Axle 2.0" Lift Kit utilizes specialized plates to add 2" of additional ground clearance to a tandem axle trailer. This allows for further unique trailer customization possibilities.

## Resources Required

- Alignment Punch
- Cordless or Electric Drill or Screw Gun
- Appropriate Drive Bits
- 9/16" and 1/4" Drill Bits
- 9/16" and 7/16" Combination Wrenches
- 9/16" and 7/16" Socket
- Torque Wrench (ft-lbs)
- Clamp
- Floor Jack
- Jack Stands

**Note:** Use all new hardware when provided within the kit. This lift kit will provide approximately 2.0" of suspension lift.

## Parts List



Letter	Part#	Description
A	290959	Lift Kit Hanger Plate
B	122103	7/16" - 20 Hex Locknut
C	271254	9/16" x 2.825" Shoulder Bolt
D	125801	9/16" - 18 Nut
E	140776	Washer
F	163535	9/16" - 18 x 4" Bolt
G	290967	Hanger Spacer

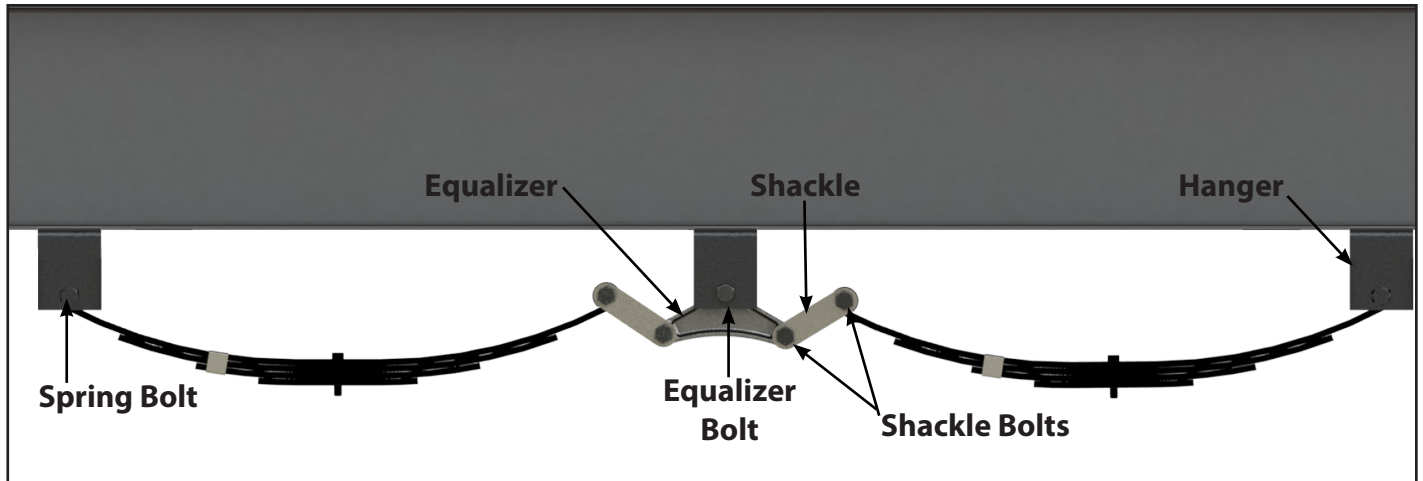


Fig.1

## Preparation

1. Support the trailer with jack stands on the front corners and behind the rear spring hangers.
2. Block the tires on one side of the trailer. Raise the trailer on the opposite side so that the tires are off the ground. Remove the wheels.
3. Use floor jacks to support the axles. Remove the following as needed: leaf spring bolts (2), equalizer bolt (1) and shackle bolts (4) (Fig. 1). Lower the axles about 2".
4. Place the hanger plate on the outside of the hanger. Align the center hole of the plate with the bottom hole of the hanger (Fig. 2).
5. Make sure the sides of the hanger and the plate are aligned (use a 12" level or speed square to ensure accuracy), and clamp the plate to the hanger.

## ⚠ CAUTION

Failure to clamp the plate to the hanger may allow the plate to move or rotate during the drilling procedure. This movement may cause personal injury or property damage.

6. Use a 9/16" drill bit as a guide to score the hanger at the bottom of the vertical slotted hole.

**Note:** Scoring the hanger ensures the 9/16" bolt will be properly located at the bottom of the vertical slotted hole.

7. Use a 1/4" drill bit to drill a pilot hole. Go through the vertical 9/16" x 1 5/8" slotted area into the hanger at the centerline of the scored marking (Fig. 2A).

## ⚠ CAUTION

When drilling the hanger, do not drill both the front and back of the hanger at the same time.



**Note:** The hole must be oriented to ensure when a bolt is inserted, it will set against the bottom of the vertical slotted hole (Fig. 2A).

8. Repeat steps 4-7 on the back side of the hanger.

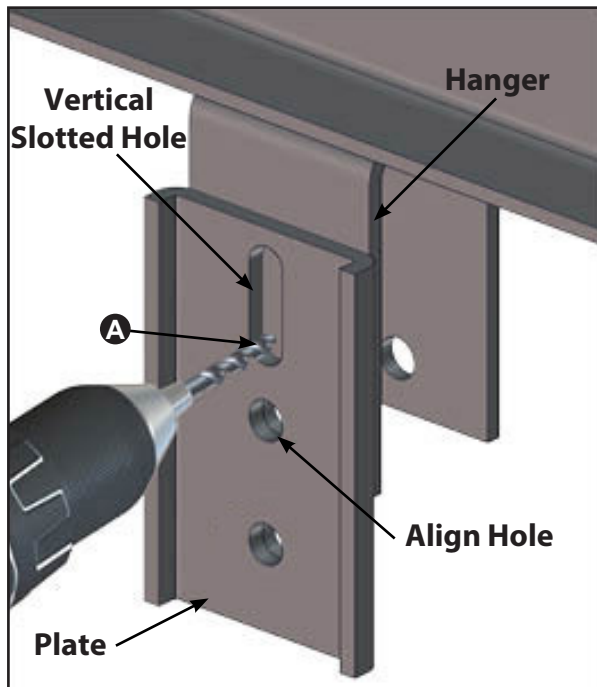


Fig.2

**CAUTION**

Do not attempt to drill the pilot hole in the back side of the hanger by using the front hole as a guide. The pilot holes must be perfectly aligned, or the plates will not fit properly.

- 9. Drill open the 1/4" drilled holes to a diameter of 9/16". You may step directly up to a 9/16" drill bit, or use a 3/8" drill bit prior to the 9/16" finished size.
- 10. Once the preparation is completed on one hanger, repeat steps 4-9 on the remaining 2 hangers.

## Installation

**CAUTION**

Over tightening the nuts can lead to fastener failure. The torque specification for the 7/16" - 20 hex locknut used on the shoulder bolts is 30-50 ft lbs.

- 1. Place the spring hanger plates on the outside of the spring hanger. Insert the 1.875" x 3" x 2" spacer into the center of the hanger. Align the center holes of the plates with the bottom holes of the hanger. Insert a 9/16" x 4" bolt through the plates, the spacer and the hanger (Fig. 3). Install a nut on the back side.

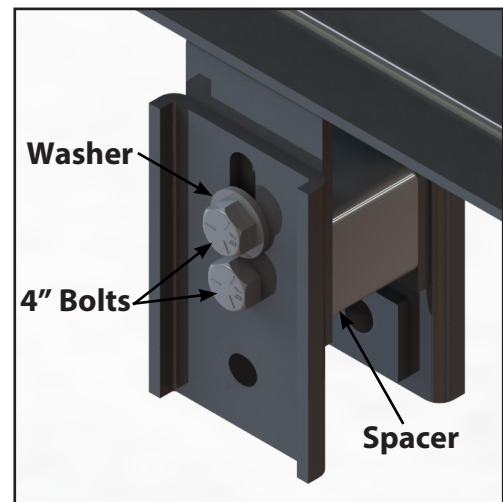


Fig.3

- 2. Use a 9/16" x 4" bolt and a washer to go through the upper slot, the hanger and the spacer. Install a washer and a nut on the back side of the hanger and plate assembly (Fig. 3 and Fig. 4).
- 3. Repeat steps 1 and 2 on the remaining hangers.

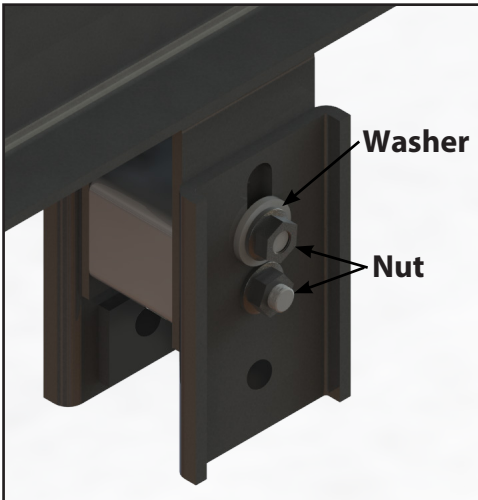


Fig.4

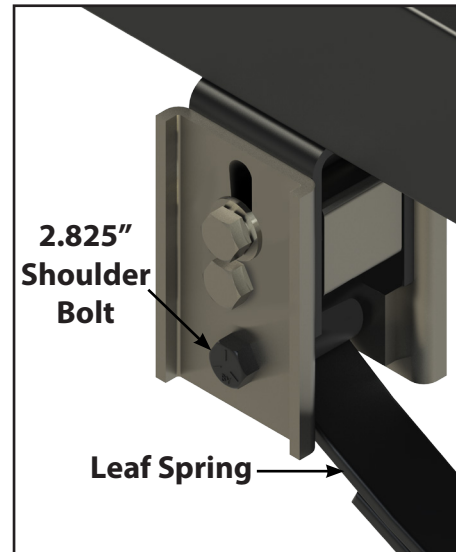


Fig.6

4. Bolt the equalizer assembly back into the new plate assembly using a 2.825" shoulder bolt (bolt length 3.375") and a nut to secure it (Fig. 5). Torque the equalizer shoulder bolt and nut.
5. Use floor jacks to raise the axle, bringing the eye of the leaf spring back into the hanger (Fig. 6) and or equalizer/shackle area (Fig. 5).

6. Bolt the assembly together using a 9/16" x 2.825" shoulder bolt (bolt length 3.375") and a nut (Fig. 6 and Fig. 7). Torque the nut at the spring hanger.
7. Bolt the leaf spring to the shackle, using existing bolts. Torque to manufacturer's recommendation (Fig. 8).

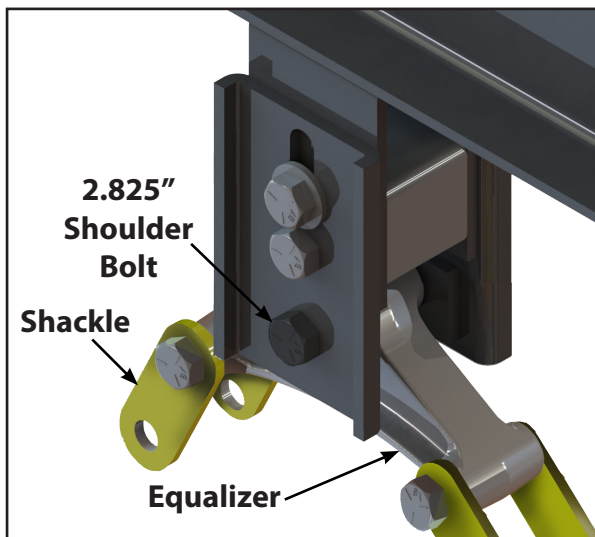


Fig.5

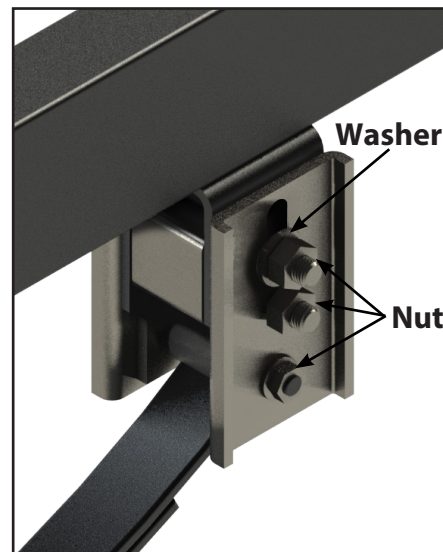


Fig.7

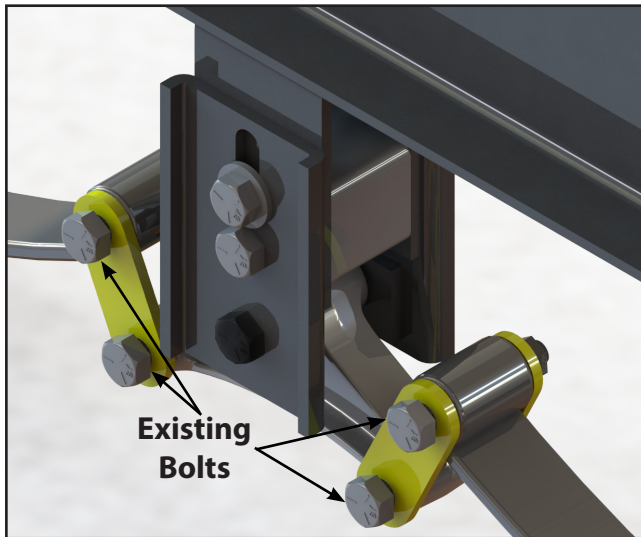


Fig.8

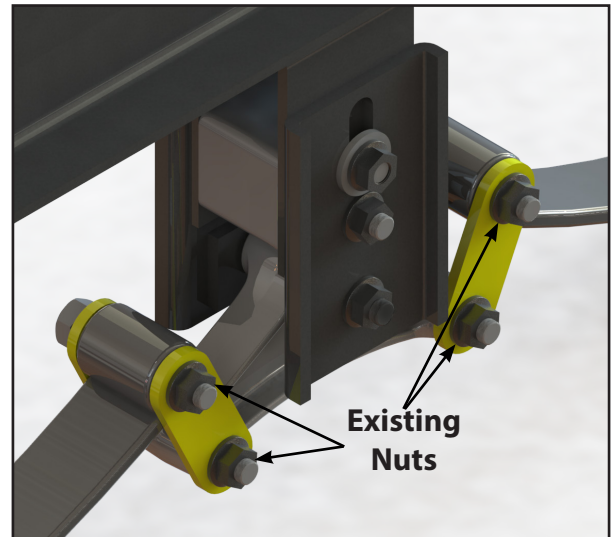


Fig.9

**Note:** If the shackles were removed from the equalizer, use existing bolts or replace as needed (Fig. 8 and Fig. 9). Verify that all equalizer and shackle hardware is tightened.

- 8. Repeat steps 5-7 on the remaining axle.
- 9. Verify that all hardware is tightened properly.

10. Reinstall the wheels.

11. Repeat both the preparation steps 1-10 and installation steps 1-9 on the opposite side of the trailer.

12. Reference Fig. 10 for the completed installation of the LCI Tandem 2" Lift Kit.

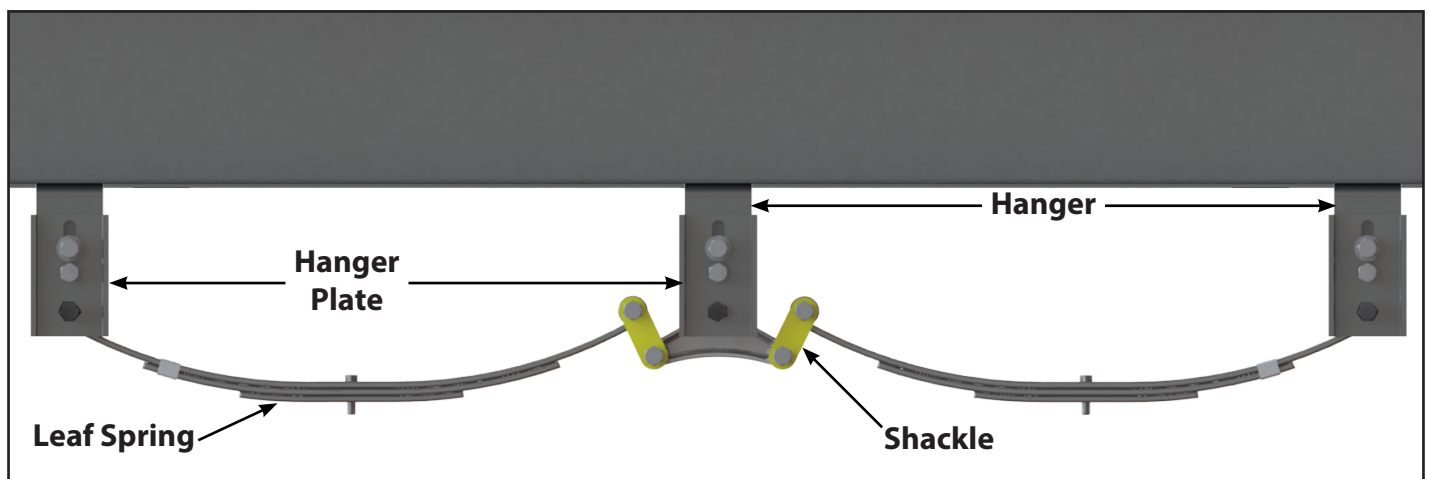


Fig.10



