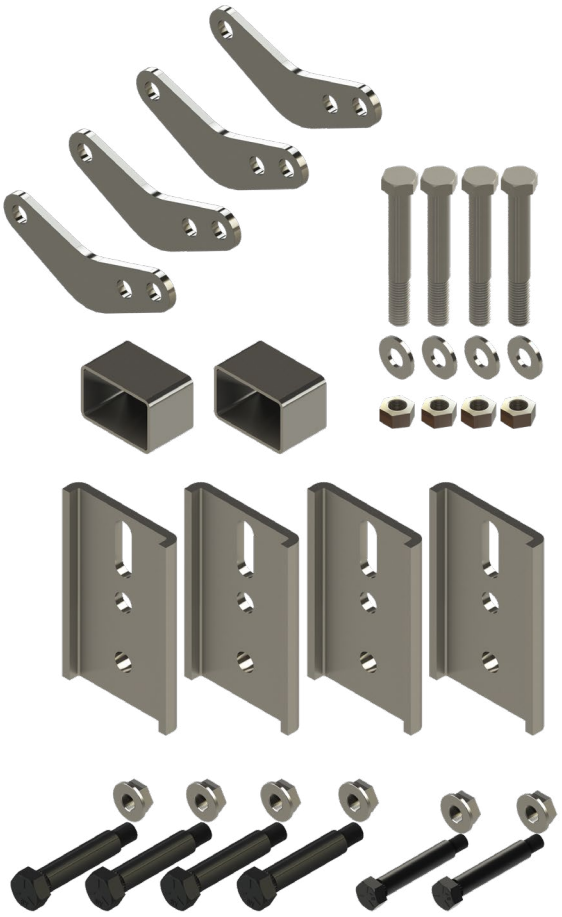
LIPPERT COMPONENTS®



Kit # 425750

Single Axle Lift Kit

Installation and Owner's Manual

(For Aftermarket Applications)

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Introduction

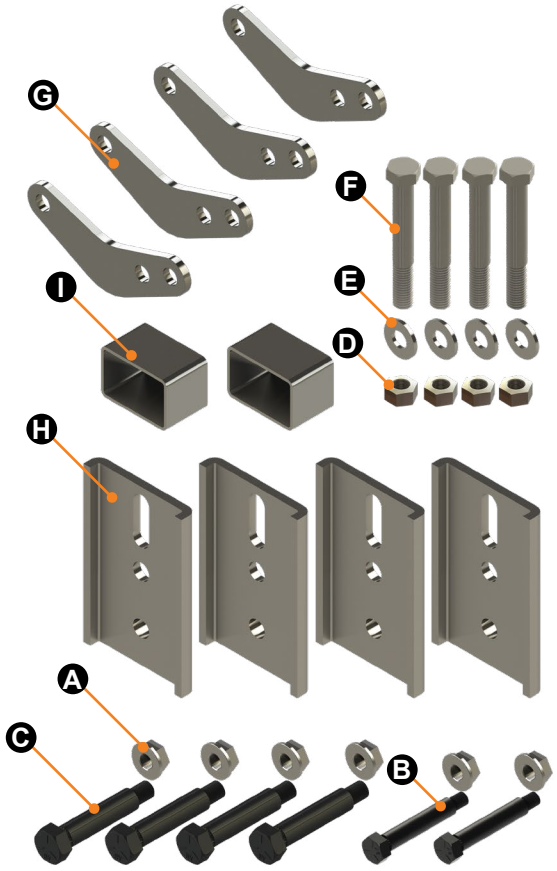
The Lippert Component, Inc. Single Axle Lift Kit utilizes a set of specialized plates to add approximately 2" of additional ground clearance to a single-axle trailer. This allows for further unique trailer customization possibilities.

Resources Required

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

NOTE: Use all new hardware provided in the kit. This lift kit will provide approximately 2" of suspension lift.

Parts List



Kit # 425750		
Letter	**Part#**	**Description**
A	122103	Flange Nut; 7⁄16" - 20
B	271254	Shoulder Bolt; 9⁄16" x 2.82"
C	122102	Shoulder Bolt; 9⁄16" x 2.32"
D	125801	9⁄16" - 18 Nut
E	140776	Washer
F	163535	9⁄16" - 18 x 4" Bolt
G	143937	Shackle Link - 5 1⁄4"
H	290959	Lift Kit Hanger Plate
I	290967	Hanger Spacer

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Preparation

NOTE: Do not lift the trailer by the axles. The axles were not designed as a viable lift point.

1. Using the properly-rated floor jack, lift the trailer according to the manufacturer's recommendation until the wheels are no longer in contact with the ground.

2. Support framework in accordance with the manufacturer's recommendation.

3. Remove the wheels and set aside wheels and lug nuts.

4. Using an additional floor jack to support the axle, remove the lower spring bolts first, then remove the top shackle bolt **(Fig. 1)**. Do this on both sides.

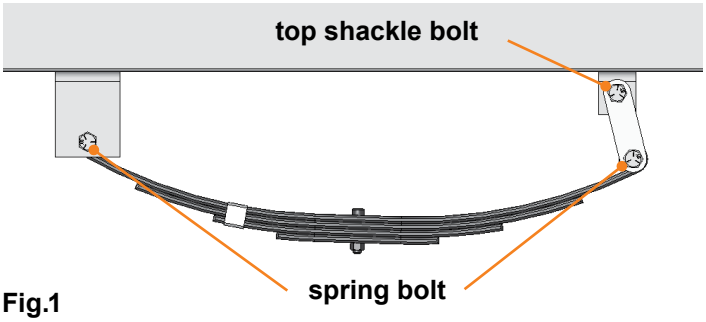

Fig.1

5. With spring bolts removed from the hangers, use the floor jack to lower the axle about 2".

6. Place a hanger plate on the outside of one of the hangers. Align the center hole of the plate with the bottom hole of the hanger **(Fig. 2)**.

7. Make sure the sides of the hanger and the plate are aligned (use a 12" level or speed square to ensure accuracy). 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.

8. Use a 9⁄16" drill bit as a guide to score the hanger at the bottom of the vertical slotted hole. Scoring the hanger ensures the 9⁄16" bolt will be properly located at the bottom of the vertical slotted hole.

⚠ CAUTION

WHEN DRILLING THE HANGER, DO NOT DRILL BOTH THE FRONT AND BACK OF THE HANGER AT THE SAME TIME.

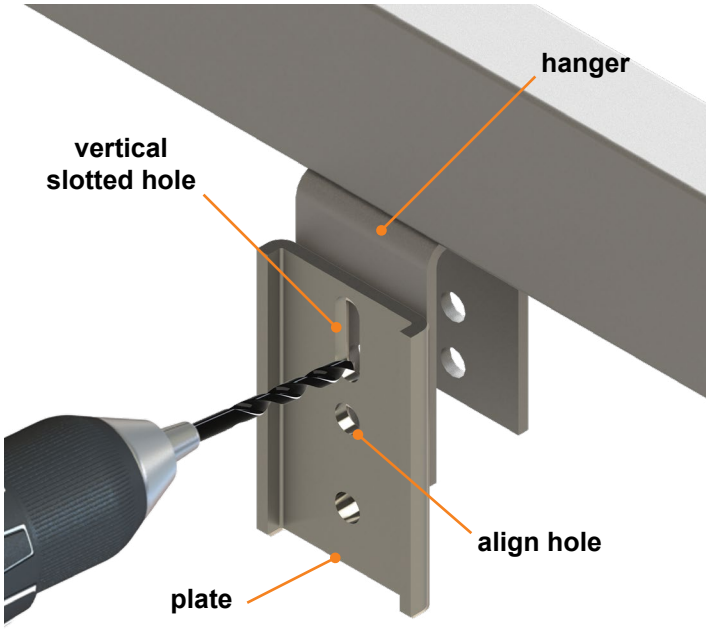

Fig.2

9. Use a 1⁄4" drill bit to drill a pilot hole. Drill through the vertical 9⁄16" x 1 5⁄8" slotted area into the hanger **(Fig. 2)**.

10. Repeat steps 6-9 on the back side of the hanger.

⚠ 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.

11. Drill open the 1⁄4" drilled holes to a diameter of 9⁄16". Installers may step up directly to a 9⁄16" drill bit, or use a 3⁄8" drill bit prior to the 9⁄16" finished size.

12. Once the preparation is completed on one side, repeat steps 5-11 for the opposite side of the trailer.

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Installation

⚠ CAUTION

OVERTIGHTENING 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 2" x 3" spacer into the center of the hanger.

2. Align the center hole of the plate with the bottom hole of the hanger and insert a 9/16" x 4" bolt through the plates, the spacer and the hanger **(Fig. 3)**. Torque the nut to 70-80 ft-lbs.

3. 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)**.

4. Repeat steps 1, 2 and 3 on the opposite side of the trailer.

5. Once completed, use a jack to raise the axle, bringing the eye of the spring back into the hanger area.

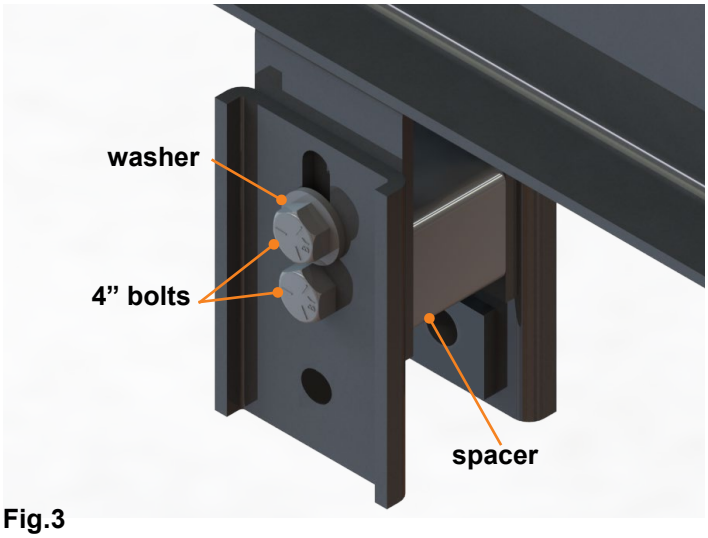

Fig.3

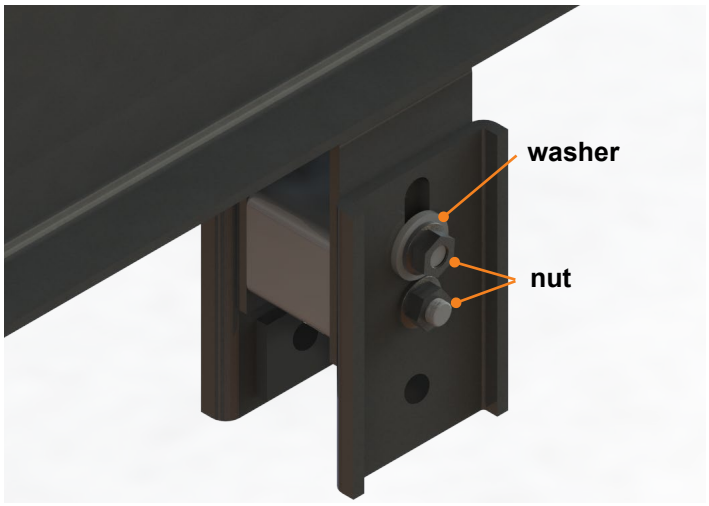

Fig.4

6. Bolt the assembly together using a 9/16" x 2.825" shoulder bolt (bolt length 3.375") and a nut **(Fig. 5)**. Torque the nut to 30-50 ft-lbs.

NOTE: The nuts should not be used to "pull" the shoulder bolts into the shackle. Instead, the shoulder bolts should be driven into the shackle using a hammer. This will fully seat the serrations of the shoulder bolt into the shackle hole and provide maximum resistance to rotation during service.

Fig.5

7. Insert two 9⁄16" x 2.325" shoulder bolts (bolt length 2.875") through the new shackle, the eye of the spring and through the remaining shackle **(Fig. 6)**.

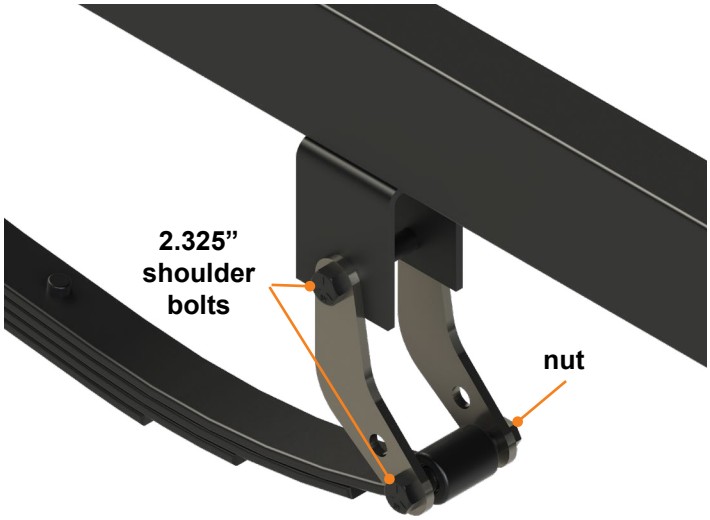

Fig.6

8. Thread a nut on the open ends of the shoulder bolts and torque the nut to 30-50 ft-lbs.

9. Repeat steps 5-8 on the opposite side of the trailer.

10. Once installation of the lift and axle is complete **(Fig. 7)**, reinstall the wheels and apply lug nuts in a star fashion and torque as per manufacturer's specifications.

11. Remove the jack stands and lower the trailer evenly to the ground.

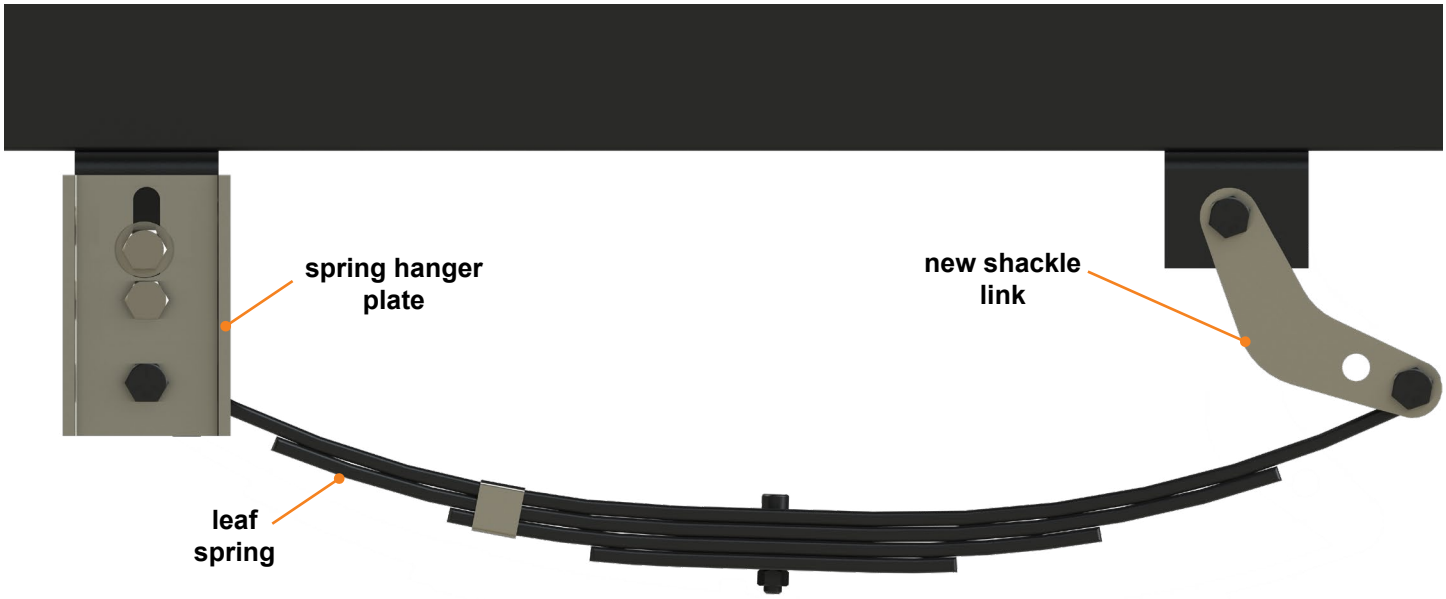

Fig.7

Notes

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