Installing a Flip Axle

ANDOLL

100

P/N 216520 (8-18)

Flip Installation Guide

Purpose:

Once installed, the trailer will be capable of hauling tires, crates or other small items. It also assists by scaling the weight with large loads. THIS IS NOT TO EXCEED THE WEIGHT LIMIT OF YOUR FLIP DECK.

Tools Needed:

- Hoist
- Chain/Straps
- Socket 1 11/16"
- Alignment Tool
- Torque Wrench 500 FT LBS
- Flip Kit
- Hammer
- Pry Bar
- Allen Wrenches
- Welder

Safety Message

YOUR SAFETY IS IMPORTANT TO US. PLEASE EXERCISE EXTREME CARE AND PERFORM ALL TASKS IN THE SAFEST WAY POSSIBLE TO AVOID HARM TO YOURSELF, OTHERS OR YOUR EQUIPMENT. NEVER PERFORM A TASK IF YOU ARE UNSURE OF HOW TO DO SO SAFELY AND PROPERLY.





Understanding Safety Statements

You will find various types of safety information on the following pages and on the machine signs (decals) attached to the trailer. This section explains their meaning!

The Safety Alert Symbol means ATTENTION! YOUR SAFETY IS INVOLVED!

DANGER

Danger means a life-threatening situation exists. Death can occur if safety measures or instructions on this label are not properly followed.

WARNING

Warning means serious injury or death can occur if safety measures or instructions on this label are not properly followed.

CAUTION

Caution means serious equipment or other property damage can occur if instructions on this label are not properly followed.

NOTE

Note means that failure to follow these instructions could cause damage to the equipment or cause it to operate improperly.

NOTE

Make sure you read and understand the information contained in this manual and on the machine signs (decals) before you attempt to operate or maintain this vehicle.





Flip Installation: with and without a flip



Prior to installation



Rod installed

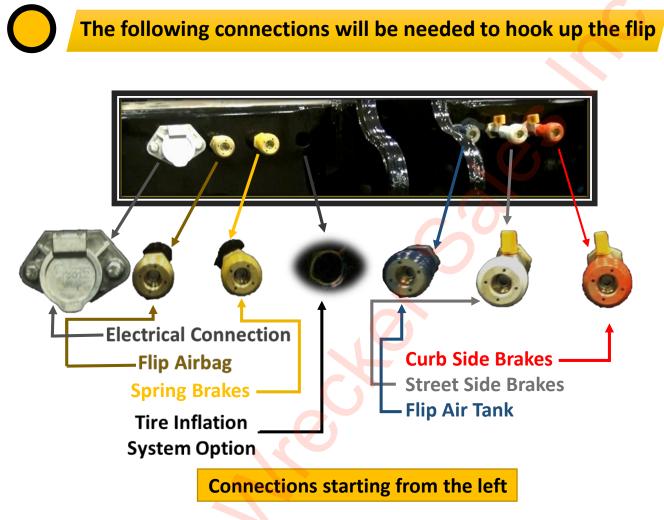


Flip axle fully installed









- 1. The steel one is the electrical connection
- 2. The **brass one** is for the **flip airbag**
- 3. The yellow one is for the spring brakes
- 4. The black one is the tire inflation system option

7.

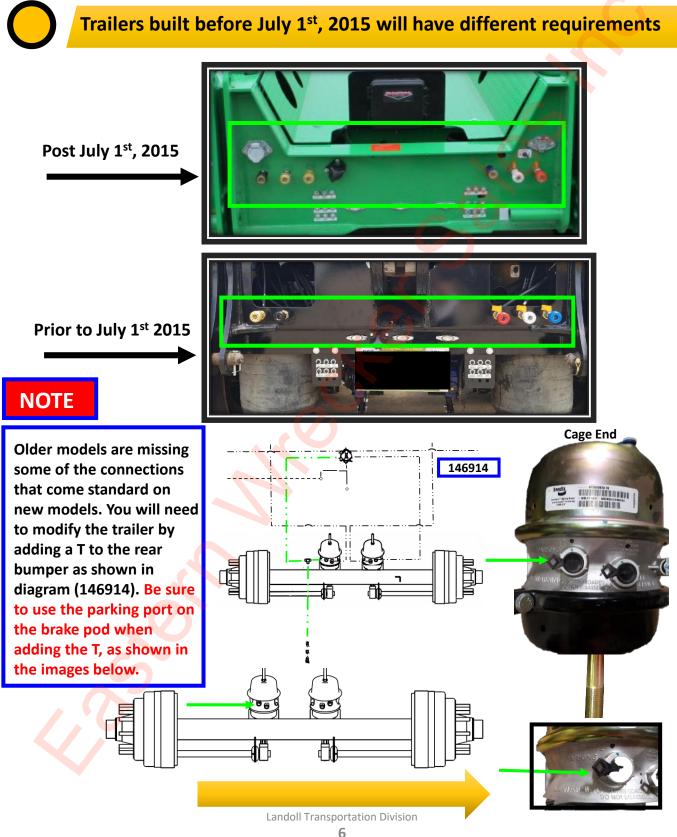
Depending on the age of the trailer, the flip will have 30/30 brake chambers. If this is the case, you will need to cut a hole in the bumper where the brass fitting is and follow diagram installation on drawing 146914 (see page 5).

5. The **blue one** goes to the **flip air tank**

- 6. The white one goes to the street side brakes
 - The **red one** goes to the **curb side brakes**



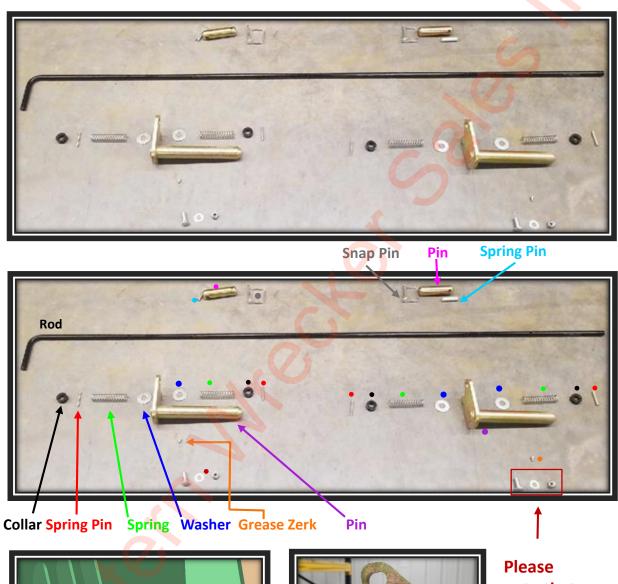


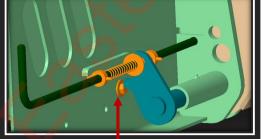






These are the parts you will need to install the flip





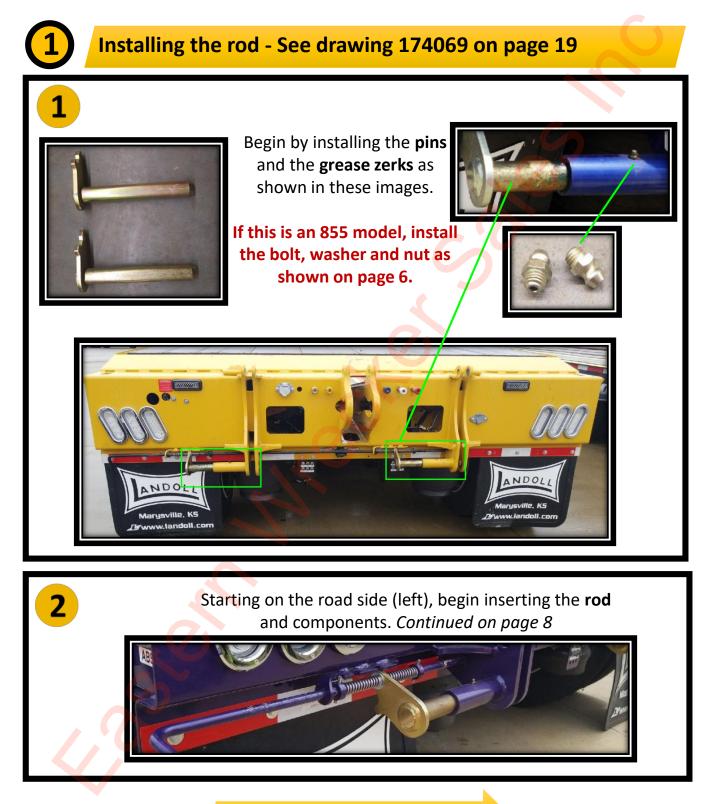


Please note that these are only used on 855 models

Continue to step 1 Landoll Transportation Division

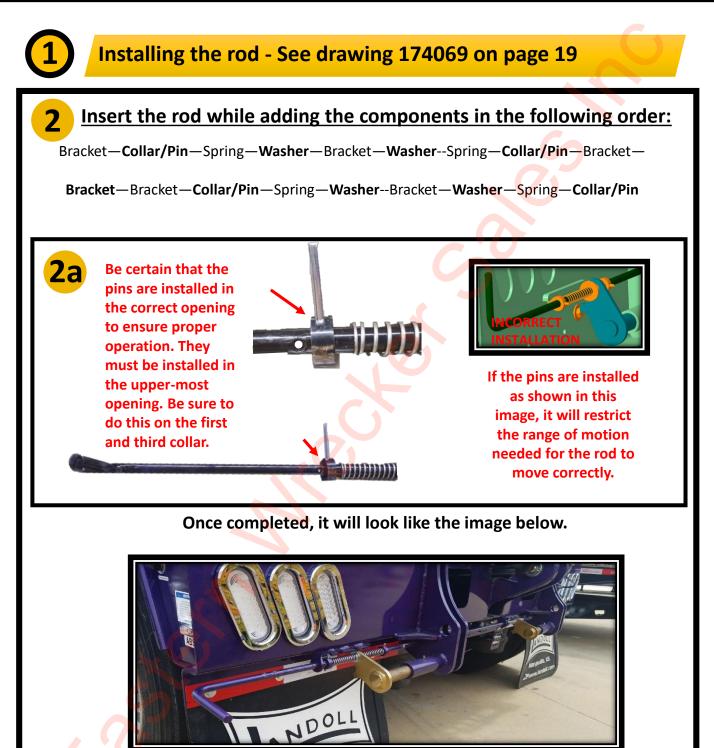












Check for clearance and be sure that it will latch in place.

Continue to step 2 Landoll Transportation Division



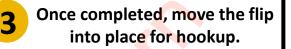
Move the flip into place and hookup

Hook the flip to the hoist with the front slightly lowered.



The green arrows indicate where the flip will need to align with the rear to be pinned.







2 Cut loose the hoses that are coiled and secured for shipment and allow them to hang down. They will later be used to make the connections shown below.





Lower the flip into the mounting brackets and attach the pins. If the pins won't go into the brackets, the flip bed is too far forward and needs to be adjusted for rear clearance.









Move the flip into place and hookup

5 If the flip bed is too far forwards, loosen the four bolts on the frame and move it back.



8

When you slide the bed back, you'll want to have at least ¼" to a ½" clearance.



Install the pins, roll pins and cotter or mud flap pins. Once completed, set the flip on the ground.

6



Insert a spacer between the flip bed and the frame of the trailer to hold the spacing.

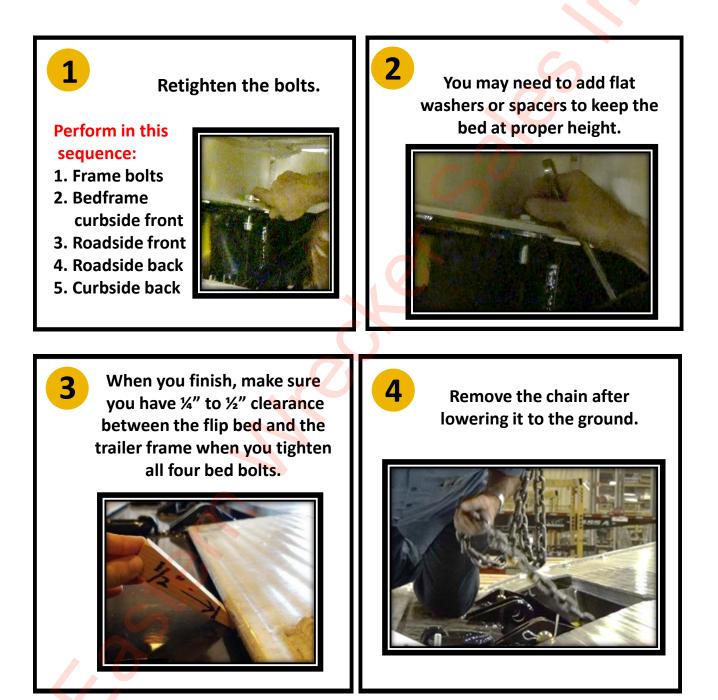


Continue to step 3





Move the flip into place and hookup







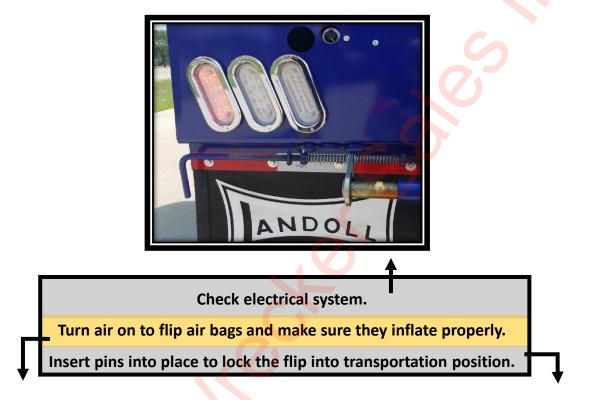


Connect the hoses Starting on the curbside of the trailer, connect the hoses based on their corresponding colors. Don't forget to plug in the electric line in the seven pin plug receptacle. When looking for pin designs, consider the following: *drawings found in back For trailers manufactured before April 2014, use drawing 186922. For trailers manufactured later than April 2014, use drawing 174069. For additional drawing references on hydraulic installations on trailers manufactured after April 2014, refer to drawing 209086. **Continue to step 5**





5 Check your work – Basic Functions





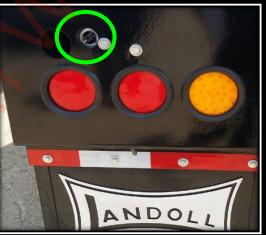






Check your work- Ensure proper operation of air raise/lower







2



Check your work- Transition the flip

When transitioning from the transport position to the loaded position, it is recommended that you **partially** inflate your air bags to minimize impact.

With your flip in the transport position, (folded up) use the Flip Axle Air Bags switch to begin inflation.





When the air bags look like the image in the lower left hand corner, and the shock strap reaches the level of tension shown in the right hand corner, turn the Flip Axle Air Bags switch off.





Continue to step 6





Check your work- Transition the flip

NOTE

3

- Be certain that all people and items are cleared from the area prior to preforming the transition.
- The Flip Axle Air Bags switch MUST BE OFF when the flip is in transport position.
- Fully inflating the bags to reduce impact during transition will result in serious damage.
- When the transition is complete, make sure the pins are locked in place.

Once the desired inflation has been reached and Flip Axle Air Bag Switch has been turned off, pull the Accessory Lever down to begin transitioning the flip.











Complete the process



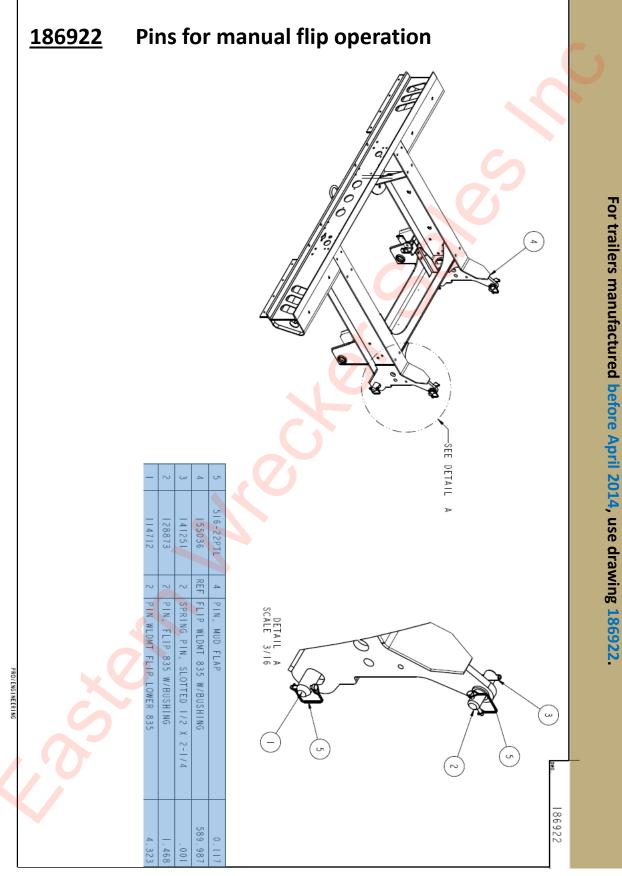


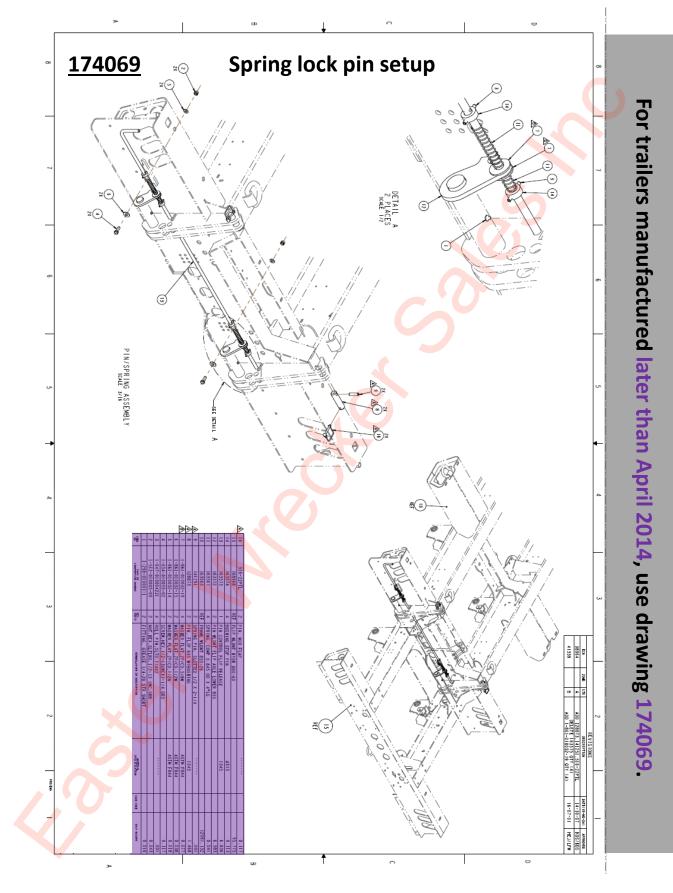
Align the flip axle to the trailer axle. Make sure the measurement is the same for both road and curb side.

Tighten bolts to 550 foot pounds. Once the alignment bolts are torqued, spot weld the nuts to the collars on both sides.

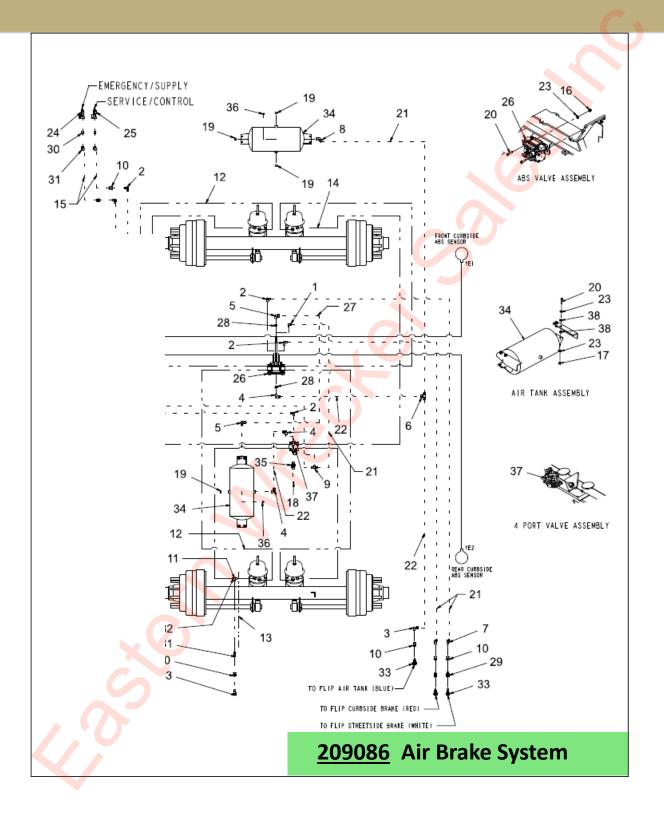








For additional drawing references on hydraulic installations on trailers manufactured after April 2014, refer to drawing 209086.







Installed flip FLIP AXLE AIR BAG SWITCH . FLIP RETAINING PIN PIN STORAGE WHEN AXLE FLIPPED D-RING FOR MANUAL FLIP OPERATION AC-77-M-1 AND AC-77-8-1 OPERATING INSTRUCTIONS FLIP AXLE AIR BAGS ORMAL HIGHWAY OPERATION LOWERING ticle place av 11 AIR RAISE/LOWER LEVER (AG STYLE FRAME) *m* CIIII BRASS COUPLER TO SUSPENSION AIR BAG RED COUPLER CURBSIDE BRAKE CHAMBER BLACK COUPLER FOR TIRE INFLATION (OPTION) WHITE COUPLER BLUE COUPLER TO AIR TANK STREETSIDE BRAKE CHAMBER folded and unfolded flip

Notes
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For any questions or concerns, please contact technical support at: 800-446-5175

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