



NS SERIES

POSILOK INSPECTION BULLETIN



Trailer Air Suspensions

Air Chamber Push Rod Inspection Procedure

April 1, 2004

*Trailers affected were manufactured
around June of 2003*

DESCRIPTION

During suspension up travel, beams may contact the PosiLok flipper plates. This service bulletin describes how to replace the air chamber and clevis assembly to prevent this from occurring. Holland recommends that you replace the air chamber to ensure proper suspension performance. Holland has determined that this condition is not related to motor vehicle safety.

INSPECT AIR CHAMBER PUSH ROD AND CLEVIS ASSEMBLY FOR SLIGHT BEND BETWEEN THE TWO COMPONENTS

This inspection bulletin serves to notify you of a potential condition that may exist with the Holland NS-400 Series suspensions that are equipped with a PosiLok™ docking device. There may be a situation in which the air chamber push rod and clevis assembly, which activates the docking device, may have a slight bend between the two components. If this condition exists on your trailer, it is recommended that you change out the air chamber and clevis assembly. This issue may exist on a limited production run of Stoughton trailers built around June 2003.

This condition can be visually inspected at the rear, curbside of the slider box where the PosiLok air chamber is located.

IMPORTANT: Whether or not you find a noticeable bend between the clevis and the air chamber push rod (as shown in **FIGURE 1**), this air chamber should be replaced with a new air chamber and clevis assembly supplied by Holland.

COMPONENT REPLACEMENT

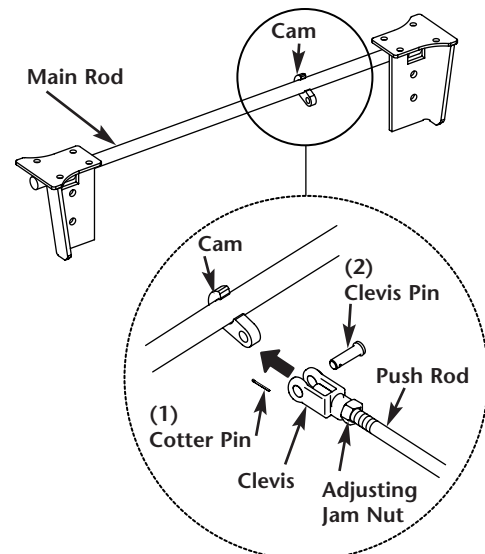
CAUTION Exhaust all air pressure from the system.

1. Remove the (1) cotter pin and (2) clevis pin from the existing PosiLok air chamber push rod, and rotate the clevis away from the main rod cam bracket (**FIGURE 2**).

FIGURE 1



FIGURE 2



COMPONENT REPLACEMENT *continued*

- Remove the air-line fitting from the air chamber and the two 1/2" nuts and lock washers from the front side of the air chamber (**FIGURES 3** and **4**). Remove the chamber from the rear crossmember bracket.
- Align the studs on the new air chamber with the mounting holes from mounting bracket, and install chamber using two 1/2" lock washers and nuts (**FIGURE 4**). Torque nuts to 30 ft. lbs.
- Reinstall the air chamber fitting and air line.

IMPORTANT: Flipper plate must be completely down when attaching actuator push rod.

FIGURE 3

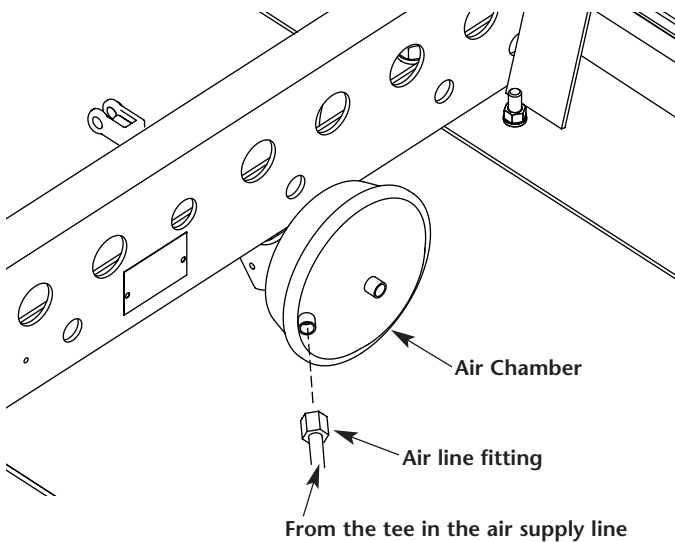
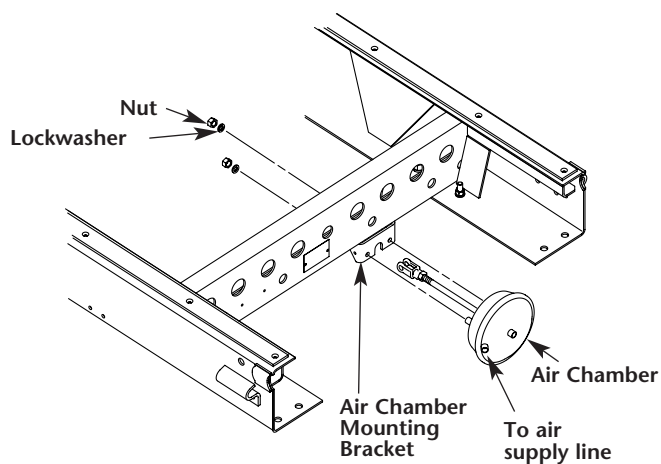
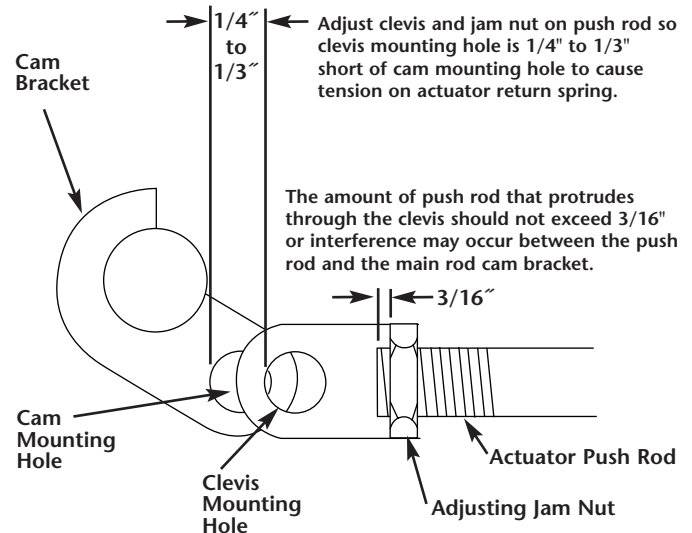


FIGURE 4



- Adjust the push rod clevis and jam nut until the clevis mounting hole is 1/4" to 1/3" short of the cam mounting hole as shown in **FIGURE 5**.

FIGURE 5



- Pull the push rod and clevis assembly forward to align the clevis mounting hole with the cam mounting hole, and install the clevis pin and the cotter pin.

NOTE: Step 6 preloads the return spring in the air chamber, ensuring the flipper plates will fully engage in the down position.

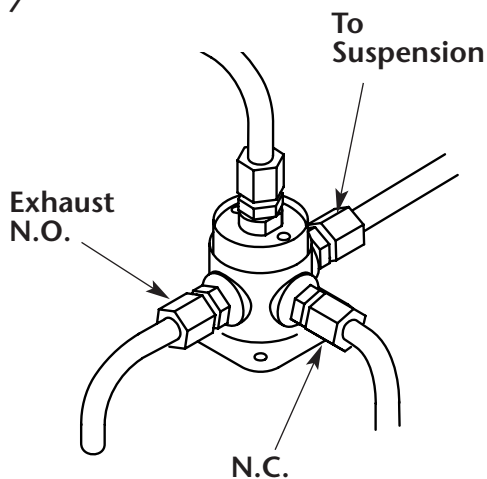
COMPONENT REPLACEMENT *continued*

- Remove the existing exhaust port fitting in the pilot valve, and replace it with the supplied 90° par barbed fitting and exhaust tube (**FIGURES 6 and 7**). Insert the new assembly into the normally open (N.O.) or exhaust port of the pilot valve from which the existing fitting was removed.

FIGURE 6



FIGURE 7



- Install the rubber bumpers through the bottom hole of the flipper plate located on the main rod.

NOTE: The bumper should be facing forward and attached at the rear of the flipper plate with a 1/2" nut with Loc-Tite (**FIGURES 8 and 9**). Torque nut to 30 ft. lbs.

FIGURE 8



FIGURE 9



PHYSICAL CHECK:

Once components have been replaced, physically check the PosiLok device: set and release trailer brakes to ensure the device retracts fully down (set brakes) and device rotates freely up out of the way (release brakes). Perform an air pressure leak test on the reinstalled PosiLok air chamber fitting and line.

CONTACT INFORMATION:

If you have any questions, please contact Becky Horning of Holland USA, Inc. by phone at 1-888-396-6501, x 4356 or by e-mail at becky.horning@hollandusa.com.

Please reference program 403720 to request parts for units received at your location. Labor allowance will be one hour per trailer.



GO THE DISTANCE.

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