

TECHNICAL PROCEDURE **TRAILER SUSPENSION SYSTEMS** **VANTRAAX® SLIDER**

SUBJECT: Hendrickson Installed UBL™
Reinforced Lift Bracket Installation

LIT NO: T81003
DATE: May 2018

REVISION: A

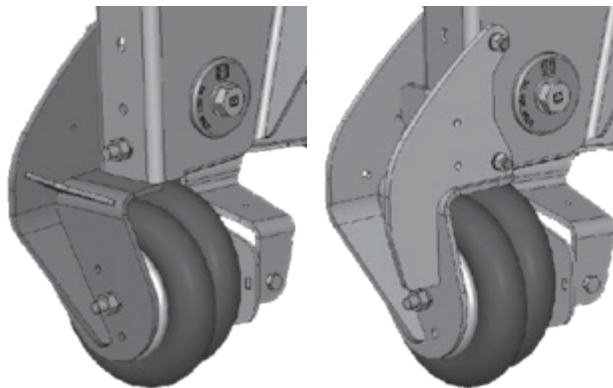
This procedure applies to Hendrickson installed UBL™ on Hendrickson's VANTRAAX® slider suspension system with galvanized surface coat and equipped with an automatic weight-sensing lift control provided by the trailer OEM.

For general safety and precautionary statements, refer to Hendrickson literature number T12007, available at www.Hendrickson-intl.com/TrailerLit.

LIST OF PARTS

The following is included with this kit:

PART	QTY
UBL™ lift bracket	2
1/2-13 round head ribbed neck bolt	8
1/2 lock washer	8
1/2-13 std. hex nut	8



Prior to November 2016

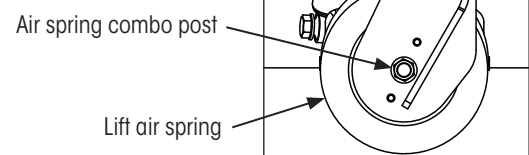
After October 2016

Figure 1: Frame bracket mounted lift brackets

REMOVE EXISTING LIFT BRACKET

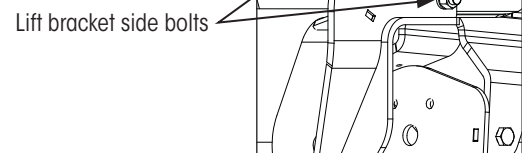
1. **Ensure** trailer parking brake is set during this procedure. This will lower the axle and exhaust air from the lift air spring and air lines.

2. **Remove** air line, fitting and nut from combo post on lift air spring. **Save** for later use.

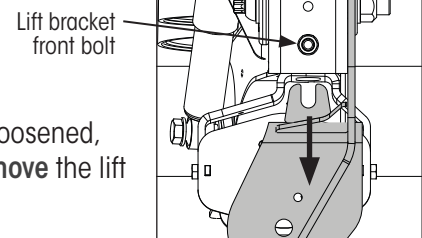


3. **Remove** the lift air spring by removing the two screws connecting the air spring on the back side. **Save** for later reuse.

4. **Remove and discard** lift bracket side bolts, nuts and lock washers from frame bracket.



5. **Hold** lift bracket while **loosening** lift bracket front bolt.



6. With the bolt loosened, **lower and remove** the lift bracket.

7. **Remove and discard** lift bracket front nut, washer and bolt.

8. **Repeat** procedure for opposite side.

INSTALLING NEW LIFT BRACKET

After both original lift brackets (Figure 1) are removed, the new lift brackets can be installed as follows:

1. **Place** new lift bracket onto the frame bracket as shown.

NOTE: The lift bracket front bolt is not used with the new lift bracket.

New lift bracket

2. **Align** the lift bracket with outside holes in the frame bracket and **insert** two ribbed neck bolts as shown.

Ribbed neck bolts (x2)

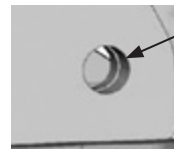
3. **Slide** a lock washer over the bolt.

4. **Thread** standard nut onto the top bolt and **tighten** to draw the head of the ribbed neck bolt against inside of frame bracket.

Ribbed neck bolts, nuts and washers (x2)

5. **Repeat** for the second bolt.
6. **Tighten** both nuts to 80 ± 5 ft. lbs. (110 ± 5 Nm) of torque.

7. On inboard side of frame bracket, use the lift bracket as a template to **drill** two bolt holes $\frac{33}{64}$ " or $\frac{17}{32}$ " (0.515 " or 0.531 ").



Drill here

8. **Insert** two ribbed neck bolts into the drilled holes.

9. **Repeat** Step 3 to Step 6 for each bolt.

Ribbed neck bolts installed

10. **Reinstall** lift air spring using existing screws removed in Step 3 on page 1.

Lift air spring combo post

Lift air spring

11. **Reinstall** lift air spring combo post nut removed in Step 2 on page 1

12. **Tighten** to 50 ± 5 ft. lbs. (70 ± 4 Nm) of torque.

Lift air spring combo post nut installed

13. **Reinstall** air fittings and air lines.

14. **Restore** trailer to normal operating state.

For any questions, contact **Hendrickson Trailer Technical Services** in the United States and Canada at 866-RIDEAIR (743-3247) or email HTTS@Hendrickson-intl.com.

Call Hendrickson at **866.RIDEAIR (743.3247)** for additional information.



www.hendrickson-intl.com

TRAILER COMMERCIAL VEHICLE SYSTEMS

2070 Industrial Place SE
Canton, OH 44707-2641 USA
866.RIDEAIR (743.3247)
330.489.0045 • Fax 800.696.4416

Hendrickson Canada

250 Chrysler Drive, Unit #3
Brampton, ON Canada L6S 6B6
800.668.5360
905.789.1030 • Fax 905.789.1033

Hendrickson Mexicana

Ciruito El Marqués Sur #29
Parque Industrial El Marqués
Pob. El Colorado, Municipio El Marqués,
Querétaro, México C.P. 76246
+52 (442) 296.3600 • Fax +52 (442) 296.3601