

# H TECHNICAL BULLETIN

## HT SERIES, INTRAAX TRAILER AIR SUSPENSION PIVOT CONNECTION FASTENER UPGRADE

No: TRAILER AUS - 015  
Subject: *Product Update*  
Date: July 1999 Revision: A

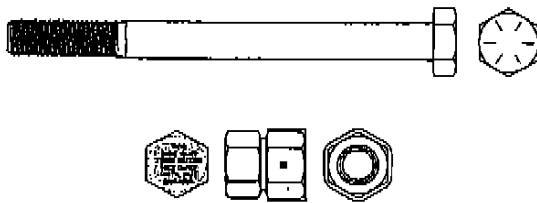


Figure 1. Existing Pivot Connection Hardware

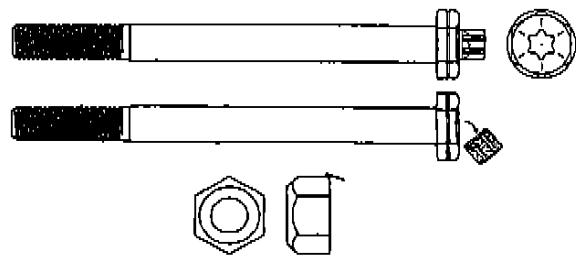


Figure 2. New Pivot Connection Hardware  
**Part No. S-24679**

As part of our continuous product improvement program, Hendrickson has revised the pivot connection bolt.

Effective August, the bolt and, "TORQ-RITE" nut will be replaced with a shear-head bolt and prevailing nut. This will permit flexibility when installing the, "QUIK-ALIGN" arrangement on the suspension.

The use of the shear-head bolt and nut offers the following benefits.

- ? Simplify installation of the trailing arm to the hangers.
- ? Provides easy alignment. (Hendrickson recommends installing the nut on the outboard side of the frame bracket to simplify realignment)

Enables reuse of the bolt and nut beyond initial installation. (Hendrickson recommends new pivot connection hardware be used if the bolt is loosened for any reason)

**WARNING:**  
HENDRICKSON REMINDS USERS TO ADHERE TO THE PUBLISHED CAPACITY RATINGS FOR SUSPENSIONS.

DO NOT MODIFY PARTS OTHER THAN OUTLINED IN THIS PUBLICATION.

USE OF A MODIFIED OR SUBSTITUTE PART IS NOT RECOMMENDED BECAUSE THE PART MAY NOT MEET HENDRICKSON'S SPECIFICATIONS, WHICH COULD LEAD TO FAILURE OF THE PART, LOSS OF VEHICLE CONTROL AND PERSONAL INJURY.

The shear bolt is a convenient feature to achieve the correct clamp load without the use of a torque wrench. Hendrickson designed and tested the shear-head bolt and nut to maintain the proper clamp load during the lifetime of the trailer.

If the pivot connection is loosened or disassembled for any reason after initial installation, that company will assume all responsibility for the pivot connection reliability.

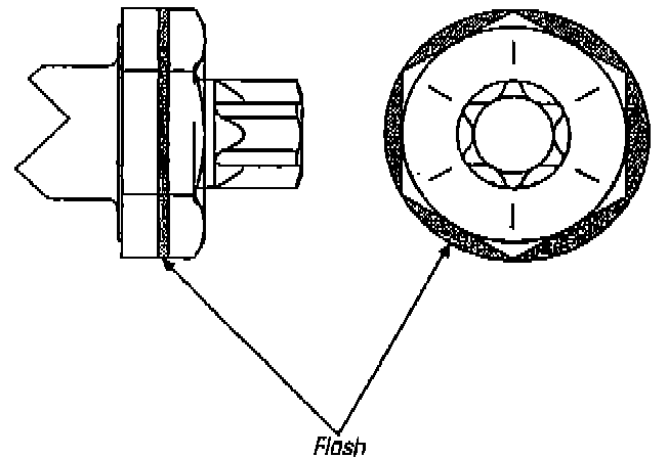
To reuse the shear head bolt, the repairer must grind or chisel off the flash (the excess metal around the sides of the hex head) from the bolts head. (figure 3) To ensure proper performance and clamp load the connection must be re-tighten to a torque of 550 ft-lbs. Failure to achieve the correct clamp load may result in damage to the suspension and adjoining components.

**Note:** *Hendrickson assumes no responsibility for injury and/or damage resulting from the re-use of the pivot bolt connection.*

Because torque requirements vary between the existing and new pivot connection hardware, do not mix the current style with the new revision.

To install or replace the shear bolt use the 3/4 drive socket available from Hendrickson. (Part No. S-24303)

If any further installation detail or assistance is required, contact the Hendrickson Customer Excellence Centre on (03) 9767 3400.



*Figure 3. Flash on the new pivot connection bolt*