

Technical Service Note 32-07

SUBJECT: Steer Axle Spring to Bracket Thru Bolt Torque check.

PRODUCTS: Freightliner vehicles equipped with the 12,000 lb & 13,300 lb Steer Axle Suspension with the thru-bolt spring to bracket design.

GROUP: 32

PROBLEM / SYMPTOMS: Incorrect fastener clamp load at the steer axle to bracket thru-bolt at the forward and/or rear shackle brackets.

Production Action:

If fasteners are found loose please submit a Dealer Product Report (DPR) which will notify the TMP of a possible process problem.

Field Action:

Check the steer axle suspension thru-bolt torque as outlined in the following procedure. Reference Fig. 1 & 2.

Torque Inspection:

(When checking torque, torque from the **NUT** side.)

1. Shutdown the engine and chock the wheels.
2. Check the static torque at the two (2) front spring eye fasteners and four (4) rear shackle bracket fastener locations.
3. Set the torque wrench to **200** foot pounds and check the torque at all six locations as shown in Figure 1. & 2. Use a calibrated torque wrench and a backing wrench to hold the fastener, check the torque at the nut in a tightening direction.
4. If no nut movement is observed set the torque wrench to 241 ft lbs and retorque the existing fastener.
5. If nut movement is observed (torque is found to be less than 200 ft lbs) replace the $\frac{3}{4}$ " fastener and retorque to 241 ft lbs. Refer to Table 1. for a list of fastener part numbers.

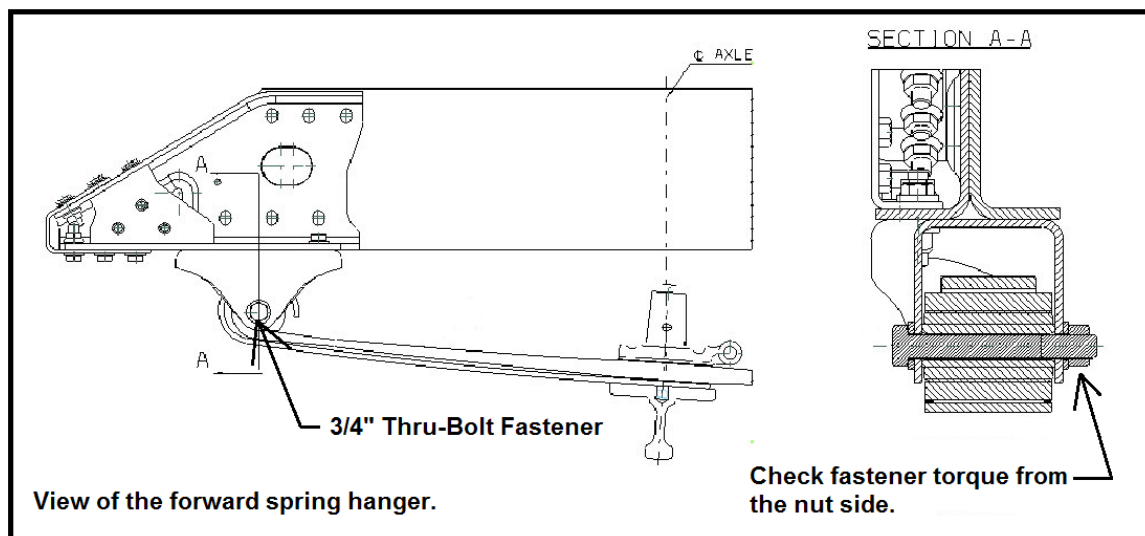


Fig. 1

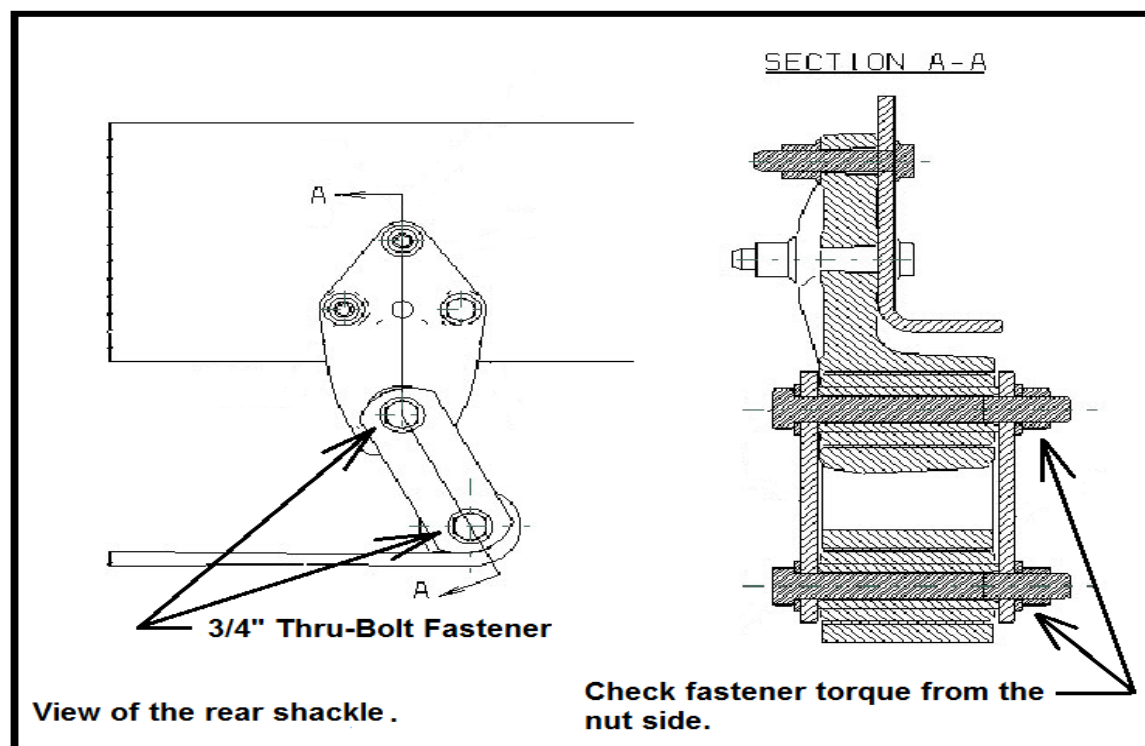


Fig. 2

REPLACEMENT FASTENERS:

<u>Part Number:</u>	<u>Description:</u>	<u>Qty:</u>
23-09446-600	SCREW-CAP,HEX3/4-10X6 GR8PO	2
23-09446-650	SCREW-CAP,HEX3/4-10X6.5 GR8PO	4
23-09114-004	WASHER-HRDN,0.81X1.47X.177,ZN	10
23-13833-112	NUT-HEX,LKG,3/4-10,GR8,ZN AL	6

IMPORTANT:

- This information is NOT authorization for warranty.
- Refer to: \\Public Folders\\All Public Folders\\Service Engineering\\Technical Service Notes (Outlook Public Folders) for previous TSN's