



Technical Bulletin

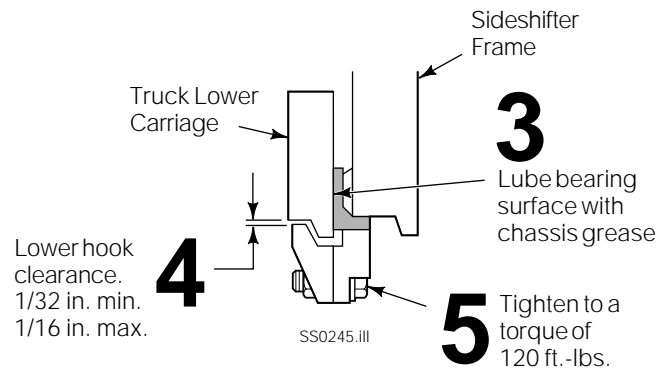
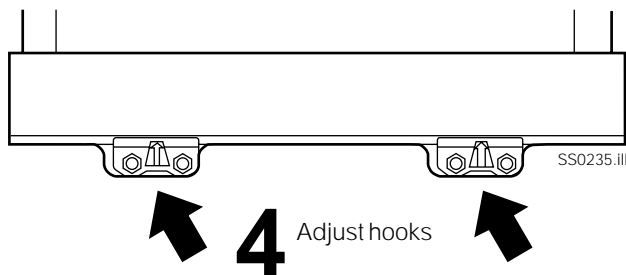
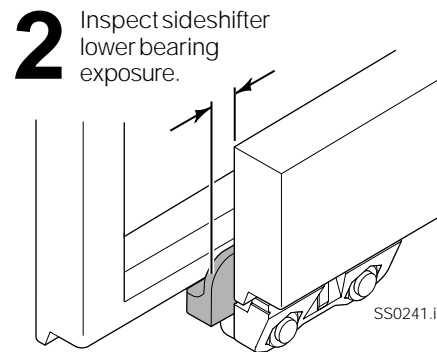
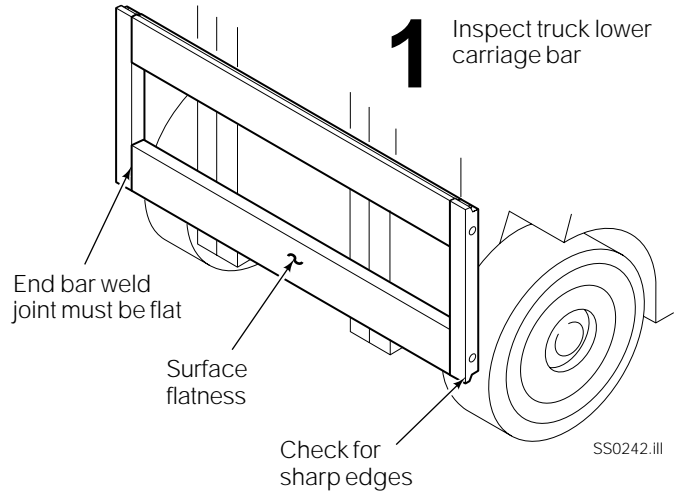
F-Series Sideshifter Lower Bearing and Truck Carriage Inspection

Cascade F-Series Sideshifter lower bearings may break due to the following critical elements:

- The truck lower carriage bar may not be manufactured to ITA specifications for flatness and surface condition. Carriage end bars must be flat with the carriage front surface without weld interference.
- The truck carriage may be too narrow for the sideshifter. The sideshifter lower bearings may overlap the end of the lower carriage bar an excessive amount.
- The sideshifter lower bearings are not being lubed with chassis grease during installation.
- The sideshifter lower hooks are not adjusted properly.

Check for these conditions as described below.

- 1** Inspect the lower carriage bar for surface flatness – 1/32 in. (1 mm) tolerance, sharp edges at the end of the bar and welded vertical end bars that are not properly aligned and welded. Use a grinder to remove all sharp edges, flatten welds and correct for misaligned end bars.
- 2** Inspect for sideshifter lower bearing exposure past the end of the truck lower carriage bar. Sideshift completely left and right to measure the exposure if it exists. Bearings exposed more than .5 in. (12 mm) will cause problems. Contact Cascade's Service Department for an application specific solution.
- 3** Lube the lower bearings with chassis grease.
- 4** Adjust the lower hooks up to the truck carriage bar. The clearance between the hook and truck carriage bar should be 1/32 in. minimum to 1/16 in. maximum.
- 5** Tighten the lower hook nuts to a final torque of 120 ft.-lbs. with a manual torque wrench or calibrated pneumatic wrench.



NOTE: This information should not be interpreted as the basis for warranty claims unless so designated.



For Technical Support . . .

Call: 1-800-227-2233

OR

Write: Cascade Corporation, P.O. Box 20187, Portland, OR 97220

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To Order Parts . . .

Call: 1-888-227-2233

OR

Write: Cascade Corporation, 2501 Sheridan Ave., Springfield, OH 45505

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Part No. 228909