

Technical Bulletin

G-Series Multiple Load Handler Inner Fork Carrier Wear Pad Service Kit 6153305

This sheet describes how to service and install new inner fork carrier wear pads. The wear pads synchronize the inner forks with the outer forks when extending for multiple pallet handling. There are two types of wear pads available. They are not interchangeable. Refer to the illustration to identify which fork carrier requires a style of wear pad. The following sections describe different areas of service regarding the wear pads. Refer to service manual for maintenance schedule and service procedures.

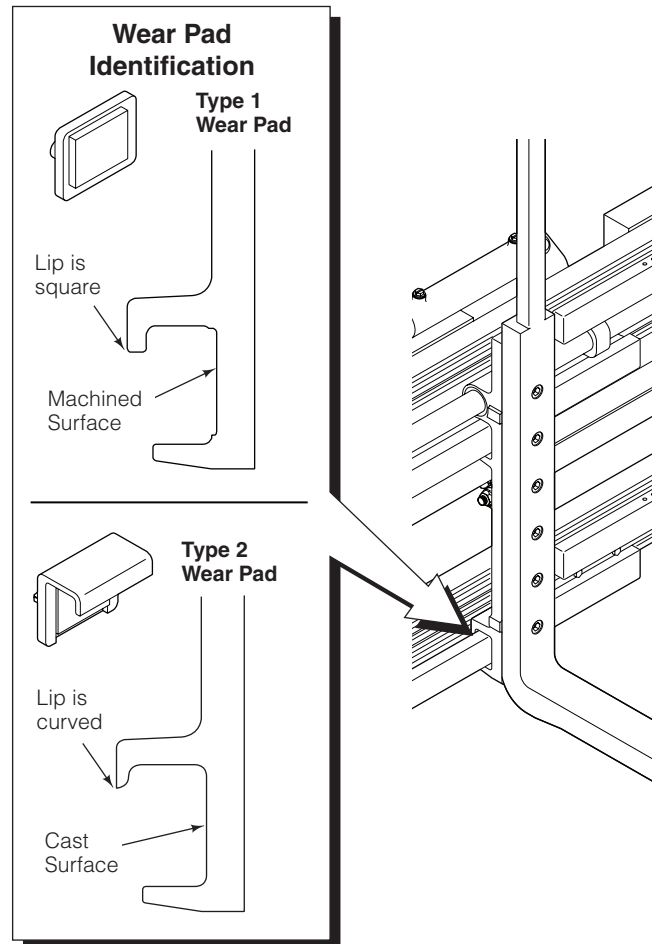
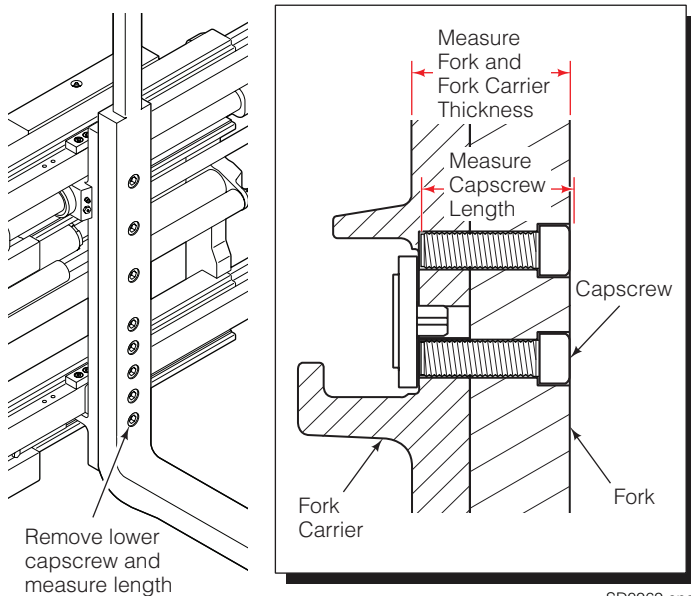
Fork Capscrews

The left inner fork carrier may have capscrews that are too long and prevent the wear pad from seating properly.

- 1 Remove the lowest capscrew on the left inner fork.
- 2 Measure the thickness of the fork and fork carrier, then the capscrew length. If the thickness is less than the capscrew length, replace the capscrew. The capscrew should be steel, class 12.9 and .2 in (5 mm) less than the measured thickness.

- 3 Tighten fork capscrews to a double torque of 200 ft.-lbs. (270 Nm).

CAUTION: Fork capscrews must be inspected every 1000 hours of truck operation.



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

Cylinder Nut and Wear Pad Replacement

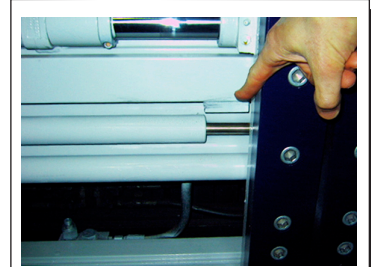
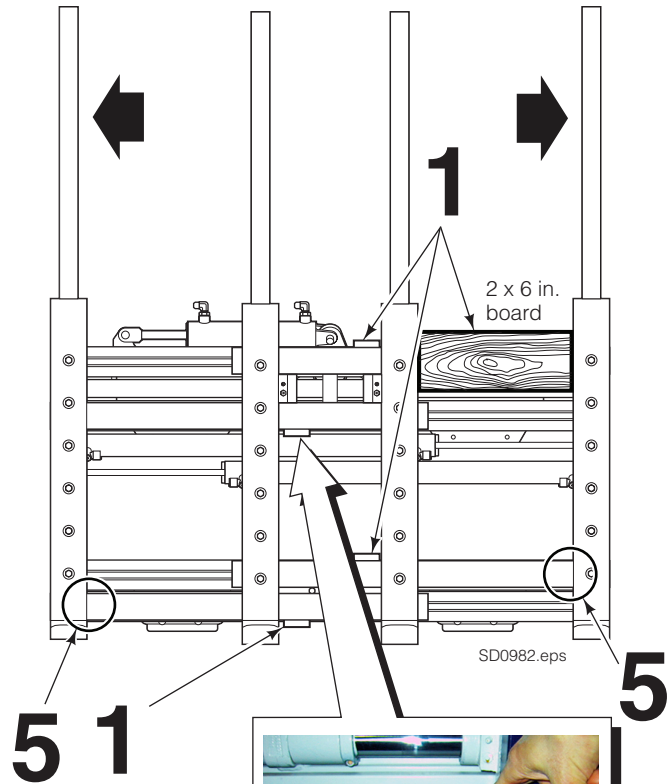
NOTE: Mark all fork stops, fork stop locations, forks and fork carriers with a felt tip pen for reassembly.

CAUTION: Wear pad must be checked every 1000 hours of truck operation.

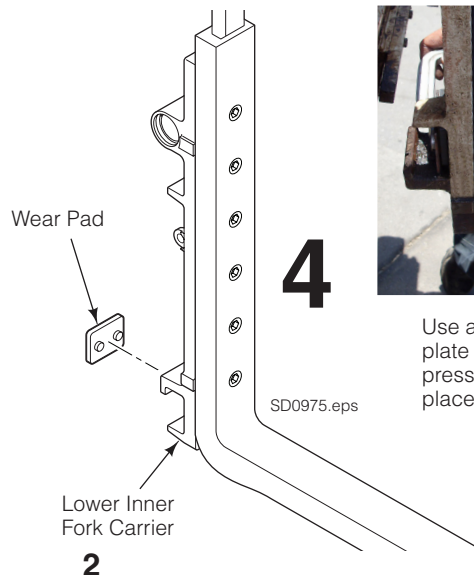
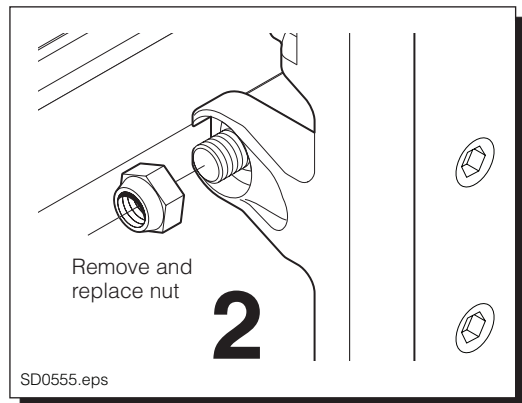
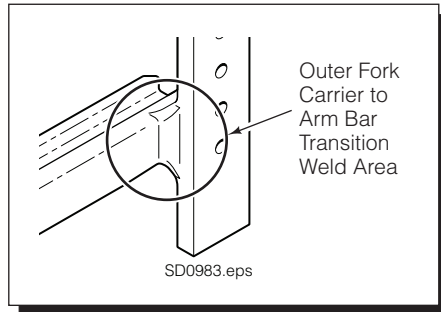
- 1 Position the outer forks slightly open from fully closed to access the four outer arm fork stops. Remove **all four** bolt-on stops from the outer arms using a modified 6 mm allen wrench (Cascade part no. 6153293). **See NOTE below for removing second stop from top.** For reassembly, tighten the capscrews to a torque of 24 ft.-lbs. (32 Nm).
- 2 Fully open outer forks. Remove the nut from the cylinder rod end. Use Cascade flat wrench 6153275 on the flat of the rod to ease removal of the nut. Replace the nut with new kit nut (Cascade part no. 783800) and tighten to 52 ft.-lbs. (70 Nm).
- 3 Pull outer arms out enough to disengage the inner fork carrier from the outer arm.
- 4 Replace the inner fork wear pads. Remove a wear pad by prying from the left and right side. Use a C-Clamp and flat plate against the pad to press the new wear pad in place.
- 5 For reassembly, reverse the above procedures except for the following:

- Align the fork tips (if required) as described in the next section.
- Check that the outer fork carrier to arm bar transition weld area is smooth. Grind flat if required.

CAUTION: Do not lubricate or paint the lower arm bar front surface that the inner fork wear pads contact. Apply arm bar rust inhibitor (part no. 6145867) to the front surface.



NOTE: For stop access in this location, place an 11 in. long, 2 x 6 in. board between the forks. Close the forks. Remove stop capscrews.



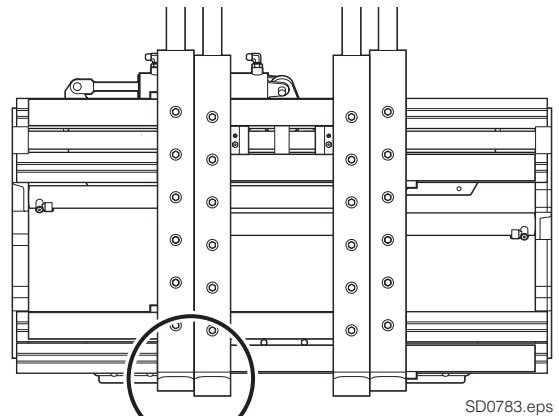
Use a C-Clamp and flat plate against the pad to press a new wear pad in place.

Fork Tip Alignment

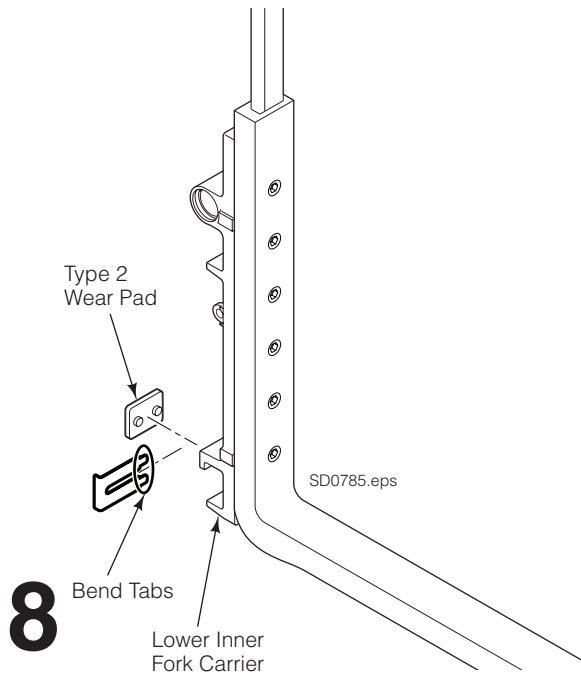
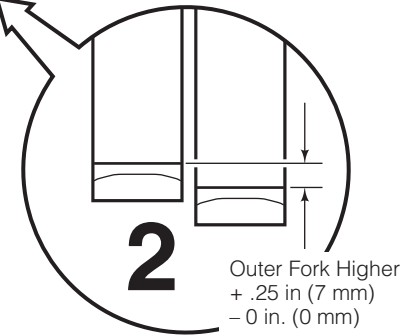
- 1 Fully close forks.
- 2 Measure the vertical offset of the forks 5 in. (125 mm) from the tip of the forks. Outer forks can have a maximum vertical offset of .25 in. (7 mm) above the inner fork. The inner fork must be lower than the outer fork.

NOTE: If the inner fork is above the outer fork, the inner fork carrier will need to be replaced with the latest design carrier.
- 3 Fully open forks.
- 4 Measure the vertical offset of the forks. Outer fork can have a maximum vertical offset of .25 in. (7 mm) above or 0 in. (0 mm) below the inner fork.
- 5 To align forks, open outer forks so that the inner fork carrier can be accessed.
- 6 Lift fork carrier enough to access the wear pad. Loosen wear pad by prying from the left or right and slide a shim(s) between wear pad and fork carrier.

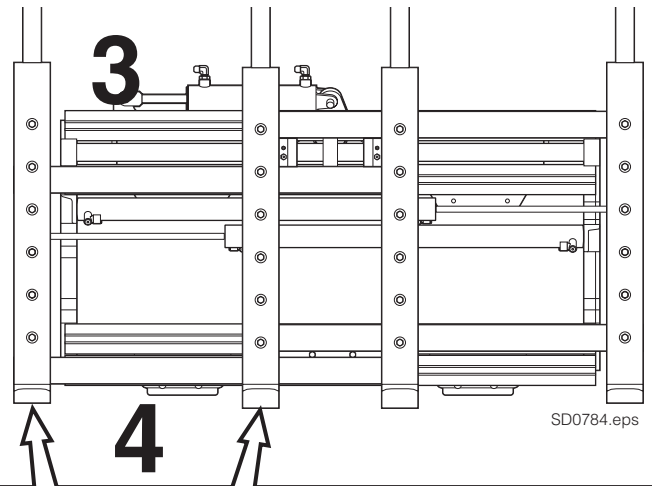
IMPORTANT: Do not exceed .12 in. (3 mm) of shims in stack.
- 7 Check vertical offset of outer fork carrier by repeating steps 2 through 5.
- 8 When fork height offset is set within the values above, bend the shim tabs to keep in place.



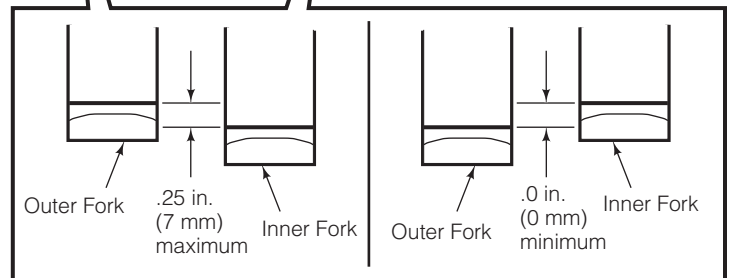
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