



# INSTALLATION AND SERVICE INSTRUCTIONS

## Hub Lubrication System

### INSTALLATION

1. Jack up trailer and secure on adequate capacity jack stands. Follow trailer manufacturer's recommendations for lifting and supporting the unit.

### CAUTION

Do not lift or support the trailer on any part of the axle or suspension system. Never go under any trailer unless it is properly supported on jack stands which have been rated for the load. Improperly supported vehicles can fall unexpectedly and cause serious injury or death.

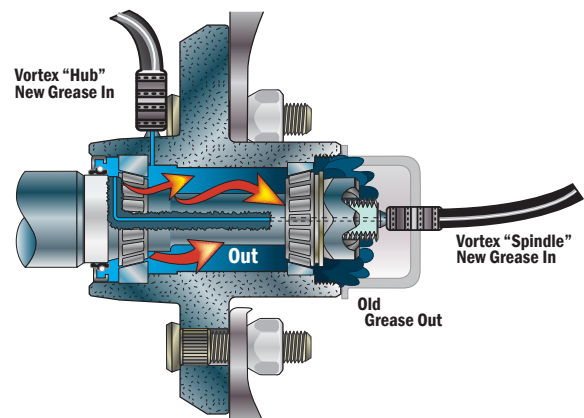
2. Remove the wheel assembly.
3. Unscrew grease cap in a counterclockwise rotation.
4. Remove the cotter pin, castle nut (counterclockwise) and washer.
5. Remove the hub from the spindle, ensuring bearings stay in the hub. For disc brakes, remove the brake caliper before removing rotor following manufacturer's instructions.
6. Clean bearing and cup surfaces.
7. Pack bearings with Lucas Oil® marine grease, install bearings and place the hub on the spindle in reverse order as listed above.
8. Rotate hub while torquing to 50 ft.-lbs..
9. Loosen the spindle nut to remove the torque applied. DO NOT ROTATE THE HUB.
10. Tighten the spindle nut until snug, backing off only enough align the cotter pin to the hole, then bend cotter pin into place.
11. Pump the Lucas Oil Marine grease into the zerk fitting while slowly rotating the wheel. Grease will flow out of the hub around the front bearing.
12. When the grease appears to be the new clean grease, remove the grease gun.
13. Turn grease cap in a clockwise rotation until the o-ring on the cap is in contact with the hub surface. Turn an additional quarter turn to seal cap.
14. Replace wheel assembly according to manufacturer's instructions.
15. Test hub for proper end play by grabbing the tire and pulling the tire from side to side. Readjust if necessary.

**VERY IMPORTANT: RE-CHECK LUG NUTS AFTER 25 MILES OF USE.**

### SERVICE

Should the hub/bearings require additional lubrication for any reason, removing the hub or having to readjust the bearings is not necessary.

1. Unscrew grease cap in a counterclockwise rotation.
2. Use a standard grease gun loaded with Lucas Oil marine grease to pump grease into the zerk fitting located on the end of the spindle or behind the wheel.



3. Pump the Lucas Oil Marine grease into the zerk fitting while slowly rotating the wheel. Grease will flow out of the hub around the front bearing.
4. When the grease appears to be the new clean grease, remove the grease gun.
5. Turn grease cap in a clockwise rotation until the o-ring on the cap is in contact with the hub surface. Turn an additional quarter turn to seal system.