

INSTRUCTIONS

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350-3502 - Lock Washer Retention Service Instructions

1. Remove hub assembly from upright by removing the 3) M12 socket head cap screws and pull the hub assembly from the upright.
2. Mount hub assembly in holding fixture or vise for disassembly.
3. Remove the 2) #10 socket head retaining screws from the locking nut. Remove the slotted lock washer, retaining nut and secondary washer from the hub assembly.



4. Slide the bearing housing assembly off the shaft of the wheel flange.



5. Remove the spacer collar from the seal.



6. Remove and discard the old seals.



7. Carefully remove the inner and outer bearing cones and spacer ring from the housing.



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8. Inspect the bearings, races and spindle surface for damage or wear. If bearings and races are good and just need to be cleaned and repacked, leave the bearing races in the housing. If the bearings are to be replaced, remove and replace the races as well.



10. Insert the outer (wheel side) bearing cone into the housing. Carefully install the new seal using a seal install tool to avoid damage.



9. Begin reassembly by packing the bearing cones with a high quality wheel bearing grease. We recommend LE Almagard 3752 or Lucas Red N Tacky 105741 for best results. Apply a light coating of grease to the bearing races as well.



11. Insert the bearing preload spacer and inner bearing cone from the opposite side of the housing. **DO NOT** install a new inner seal until after test fitting the assembly and checking preload torque.



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12. Apply a light coating of grease onto the seal surface of the wheel flange. Carefully slip the housing assembly over the shaft onto the wheel flange until the bearing is fully seated on the flange step.



13. Apply a light coating of grease onto the outer seal surface of the spacer collar and insert the spacer collar until seated against the inner bearing cone.

14. Install the non-slotted washer and lock nut. Torque the lock nut to 70-80 lb/ft. Check for free rotation of the hub and free play between the housing and wheel flange. The required torque to spin the bearing should be in the 7-10in/lb range. Note, if assembly feels too tight or loose, preload can be adjusted by switching to a thinner (to tighten the hub) or thicker (to loosen the hub) preload spacer collar. If all looks good, remove the assembly and install the new inner seal. When preload is good, reassemble housing onto the wheel flange and retorque the nut to 70-80 lb/ft.



15. Check rotation and free play once again and if all looks good, install the slotted lock washer and 2) #10 retaining screws. Use Loctite on retaining screws. Note, if slots in washer do not line up with tapped holes in the nut, flip the washer and try again.



16. Reassemble the bearing assembly into the upright with the 3) M12 socket head cap screws. Red Loctite should be used on these bolts.

Need Help with This Product?

Talk to one of our Tech Support Agents:

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