

TO: Service Locations

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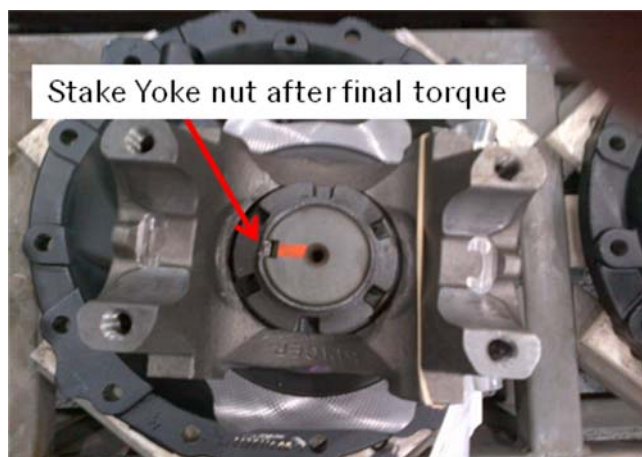
SUBJECT: **Detroit Axle Model 2 Replacement Carrier Yoke Installation**

ISSUE

Instructions for yoke installation (Model 2) prior to installing differential carrier into housing, to prevent pinion binding. Note that the yoke should be installed onto the carrier prior to installation into the axle housing.

REQUIRED ACTION

1. Remove yoke nut.
2. Remove plastic shipping sleeve.
3. Install new pinion seal part # A0249978047.
4. Lift and rotate pinion by hand three revolutions to insure bearing seating.
5. Install the yoke.
6. Again rotate pinion by hand three revolutions to insure bearing seating.
7. Torque yoke nut to 1/3 of final torque 165 N·m (122 lb·ft)
8. Again, rotate pinion by hand three revolutions to insure bearing seating.
9. Torque yoke nut to 2/3 of final torque 330 N·m (244 lb·ft).
10. Again, rotate pinion by hand three revolutions to insure bearing seating.
11. Torque yoke nut to final torque 500 N·m (368 lb·ft).
12. Again, rotate pinion by hand three revolutions to insure the ring and pinion spin freely.
13. Stake yoke nut, See illustration.



14. Install carrier assembly into axle housing.

CONTACT INFORMATION

Please contact the Detroit Diesel Customer Support Center at 800-445-1980 or email csc@daimler.com if you have any questions.