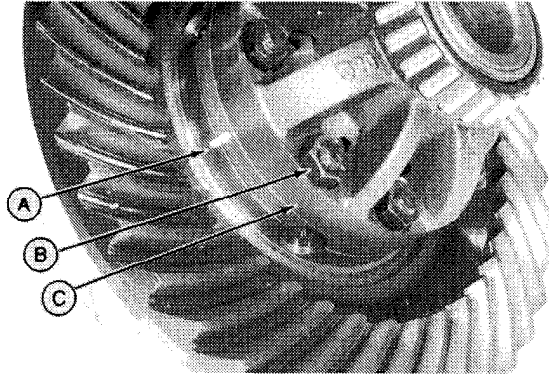


12. Install differential housing (C) on ring gear differential housing aligning index marks (A). Install cap screws and nuts (B). Tighten nuts (B) to 151 N·m (112 lb-ft).



6AG;T6460FY TX,0210 CC21 311088

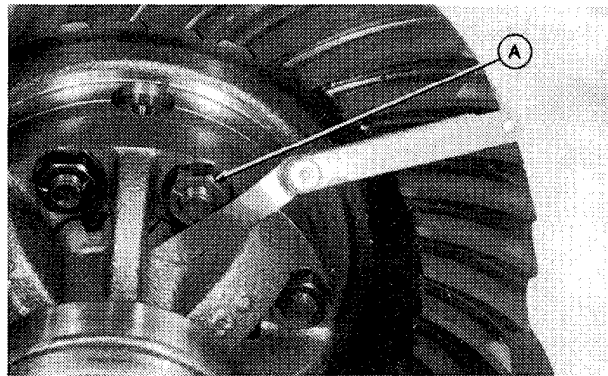
13. Measure clearance between gear and differential housing on both sides.

SPECIFICATIONS

Clearance 0.03—0.09 mm (0.001—0.003 in.)

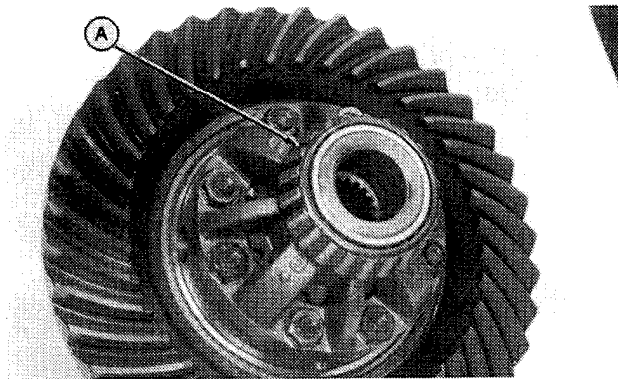
Adjust clearance on each side using a thrust washer of a different thickness. Seven different thicknesses are available.

14. Stake nuts (A) in two places.



6AG;T6460GG TX,0210 CC22 311088

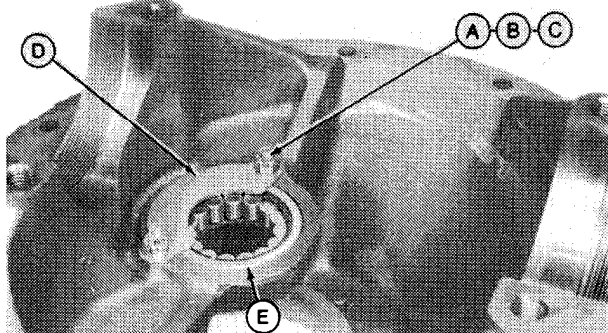
15. Install bearing cones (A). Push cones tight against shoulder.



6AG;T6460GH TX,0210 CC23 311088

16. Install bearing (E) and parts (A—D).

- A—Cotter Pin (2 used)
- B—Nut (2 used)
- C—Cap Screw (2 used)
- D—Retainer (2 used)
- E—Bearing



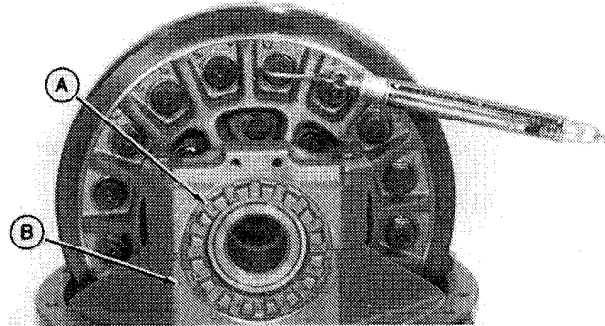
6AG;T6460FX TX,0210 CC24 311088

17. Install bearing cups on cones then install ring gear and differential into carrier. Install adjusting nuts (A).

18. Align punch marks (B) (applied at disassembly). Install bearing caps and cap screws. Tighten cap screws to 151 N·m (112 lb-ft).

19. Tighten adjusting nuts to 47 N·m (35 lb-ft).

20. Measure bearing preload at a ring gear cap screw as shown.



SPECIFICATIONS

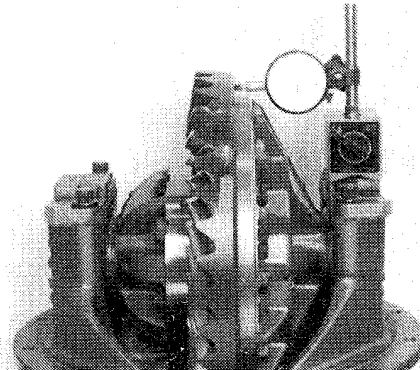
Bearing Preload 23.5—27.5 N (5.3—6.2 lb force)

6AG;T6460GI TX,0210 CC25 311088

21. Rotate ring gear and measure axial run-out.

SPECIFICATIONS

Axial Run-Out 0.09 mm (0.0035 in.)
Service Limit 0.2 mm (0.008 in.)

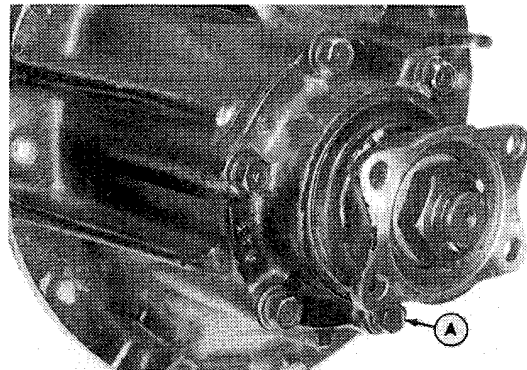


6AG;T6460GJ TX,0210 CC26 311088

22. Install pinion housing and shims on carrier. Align oil passage in pinion housing and shims with passage in carrier. Install and tighten cap screws (A).

TORQUE SPECIFICATION

Pinion Housing-to-Carrier Cap Screws 79 N·m (59 lb-ft)



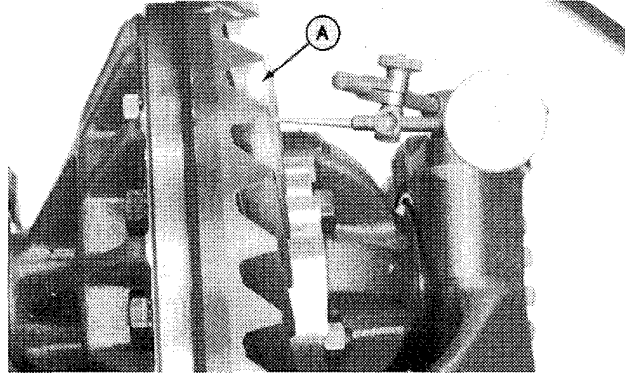
6AG;T6460FU TX,0210 CC27 311088

23. Measure ring gear backlash at gear tooth (A) at four different positions. Take an average of the measurements.

SPECIFICATIONS

Ring Gear Backlash 0.25—0.33 mm (0.010—0.013 in.)

Turn one adjusting nut in and the opposite nut out the same amount to get the specified backlash and to maintain previously adjusted bearing preload.



6AG:T6460GK TX,0210 CC28 311088

24. Check bearing pattern by putting a dye on several ring gear teeth that will show the tooth contact pattern.

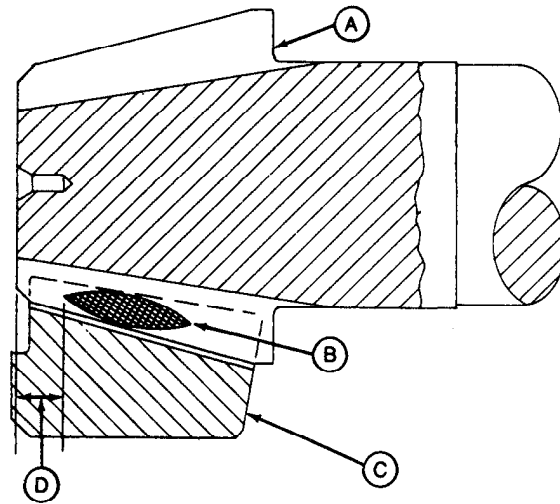
Hold ring gear to retard movement and turn pinion shaft in normal direction of rotation for one complete revolution of ring gear.

25. Check tooth contact pattern on ring gear and adjust cone point as necessary.

Pattern too close to end of pinion—add shims between pinion housing and carrier.

Pattern too far from end of pinion—remove shims between pinion housing and carrier.

26. Check backlash after adjusting cone point.

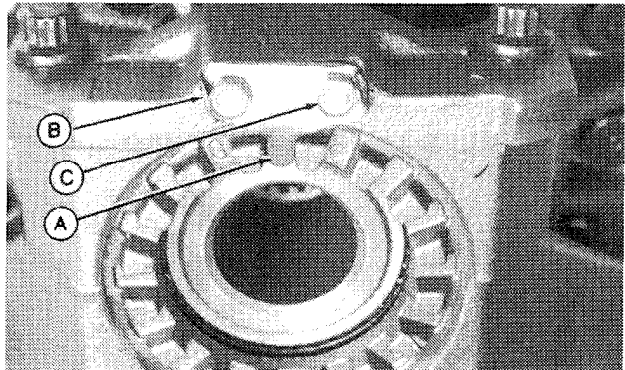


A—Pinion Shaft Tooth
 B—Tooth Pattern
 C—Ring Gear Tooth
 D—5 mm (0.20 in.)

6AG:T94315 TX,0210 CC29 311088

27. When correct contact pattern and backlash has been obtained, install plate (A), lock plate (B), and cap screw (C).

28. Tighten cap screws. Bend end of lock plate against one flat of cap screw head.



6AG:T6460GL TX,0210 CC30 311088

OTHER MATERIALS

Number	Name	Use
T43512	Thread Lock and Sealer (Medium Strength)	Drive shaft cap screws and studs

TX,0225 CC1 311088

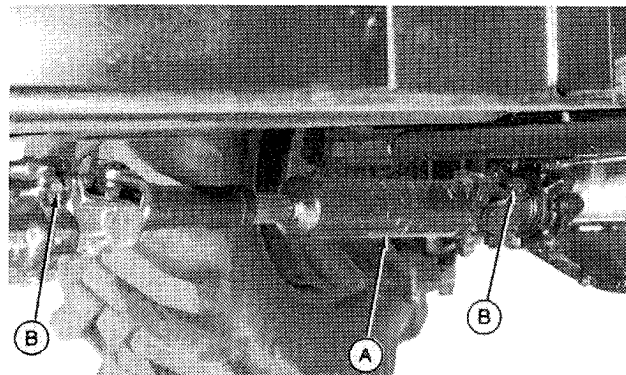
SPECIFICATIONS

Item	Measurement	Specification
Drive Shaft-to-Axle Cap Screws and Nuts	Torque	76 N·m (56 lb-ft)

TX,0225 CC2 311088

REMOVE AND INSTALL FRONT DRIVE SHAFT

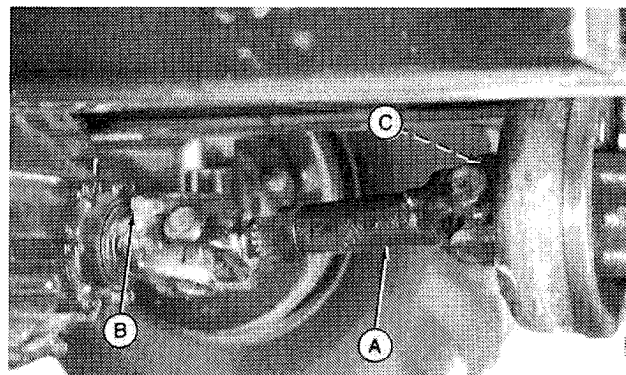
1. Secure drive shaft (A) to undercarriage using chain or lifting strap.
2. Remove cap screws, lock washers, and nuts (B) to remove drive shaft.
3. Install drive shaft. Tighten nuts (B) to 76 N·m (56 lb-ft).



7AG;T6878CE TX,0225 CC3 311088

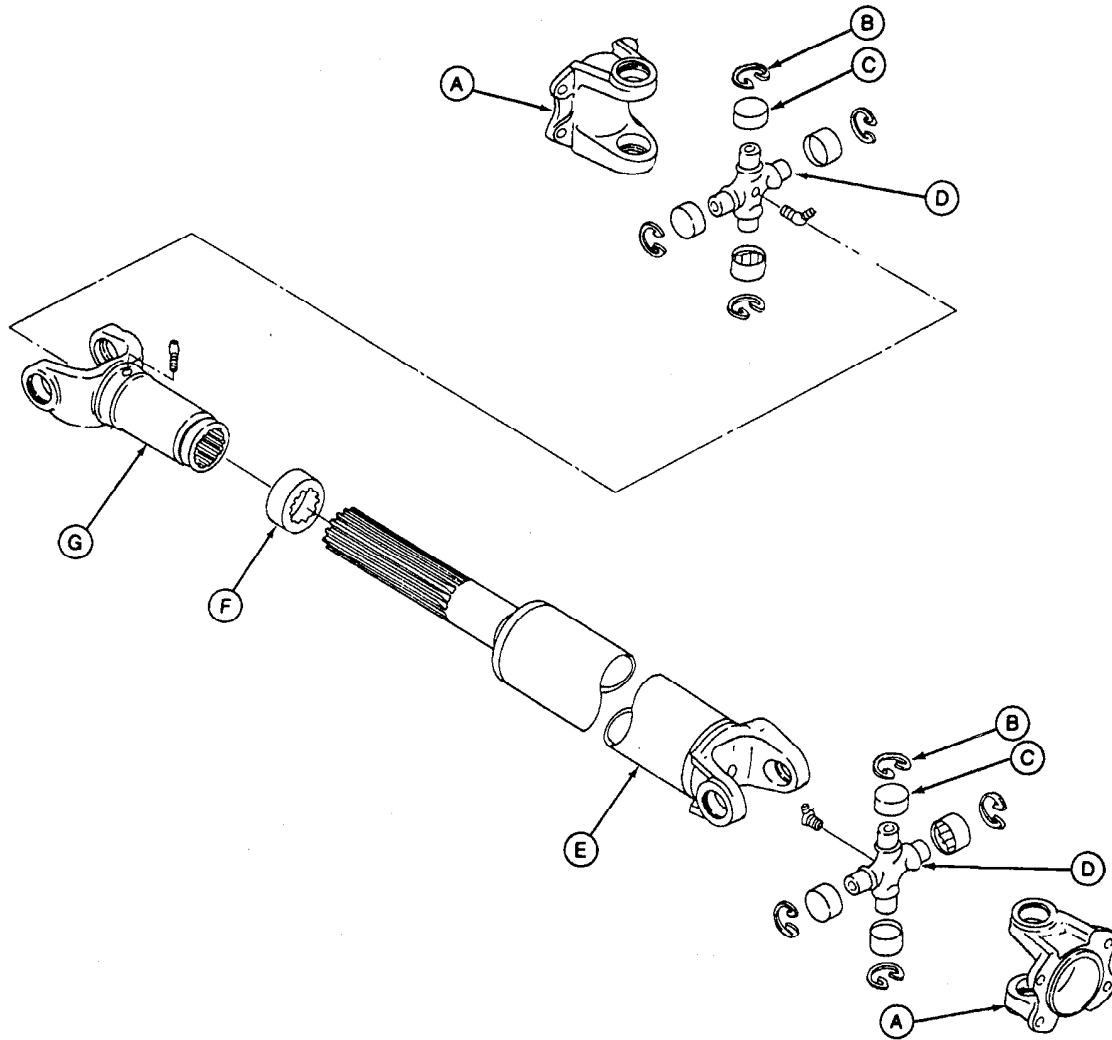
REMOVE AND INSTALL REAR DRIVE SHAFT

1. Secure drive shaft (A) to undercarriage using chain or lifting strap.
2. Remove cap screws, nuts, and lock washers (B and C) to remove drive shaft.
3. Install drive shaft. Tighten nuts (B and C) to 76 N·m (56 lb-ft).



7AG;T6878CF TX,0225 CC4 311088

DISASSEMBLE AND ASSEMBLE FRONT DRIVE SHAFT



A—Yoke
B—Snap Ring

C—Bearing
D—Spider

E—Tube
F—Seal

G—Yoke

Lubricate drive shaft (3 points). (See Grease in Section I, Group IV for grease recommendations.)

7AG:T6878BX TX,0225 CCS 311088



Suggest:

If the above button click is invalid.

Please download this document

first, and then click the above link

to download the complete manual.

Thank you so much for reading