



Service Repair Manual

Models

424D Backhoe Loader

Product: BACKHOE LOADER

Model: 424D BACKHOE LOADER BGP

Configuration: 424D Backhoe Loader BGP00001-00647 (MACHINE) POWERED BY 3054 Engine

Disassembly and Assembly

416D, 420D, 424D, 428D, 430D, 432D, 438D and 442D Backhoe Loaders Power Train

Media Number -REN3578-12

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Date Updated -13/04/2010

i01503434

Final Drive (Drive and Steering Axle)(Rear) - Install

SMCS - 4050-012-RE

Installation Procedure

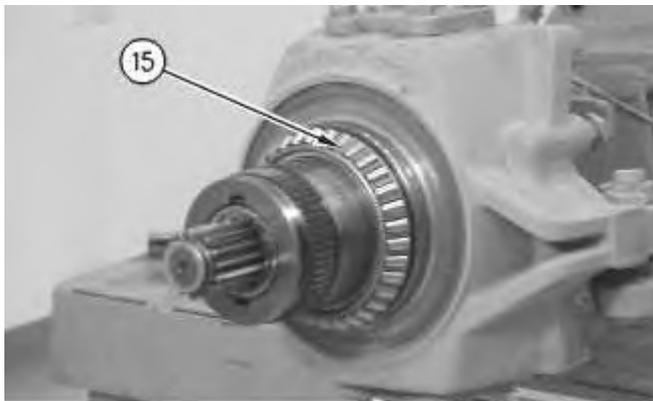


Illustration 1

g00780205

1. Install bearing (15) onto the housing for the steering knuckle.



Illustration 2

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2. Lubricate the seal in the bore of the hub. Install the hub onto the steering knuckle. Install the outer hub bearing in order to secure the hub.

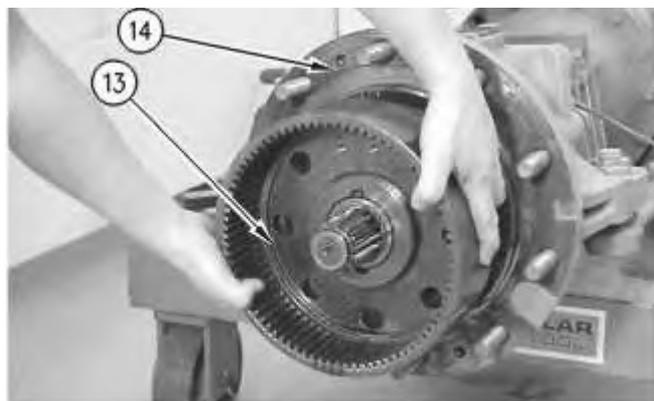


Illustration 3

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3. Install internal gear (13) .

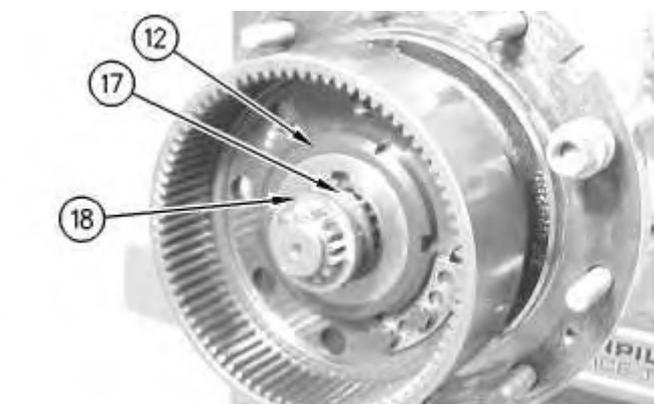


Illustration 4

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4. Install slotted nut (12). Ensure that chamfered side of slotted nut (12) is facing outward.

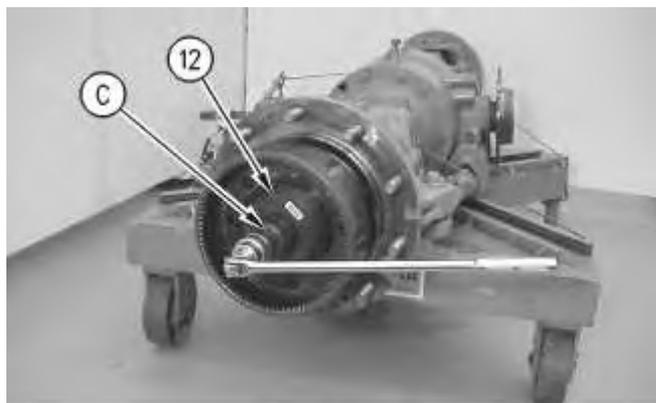


Illustration 5

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Illustration 6

g00780247

5. Use tooling (A) in order to tighten slotted nut (12). Tighten the slotted nut to a rolling torque of 46 N·m (34 lb ft).

Note: If the old bearings were reused, the rolling torque should be 27 N·m (20 lb ft).

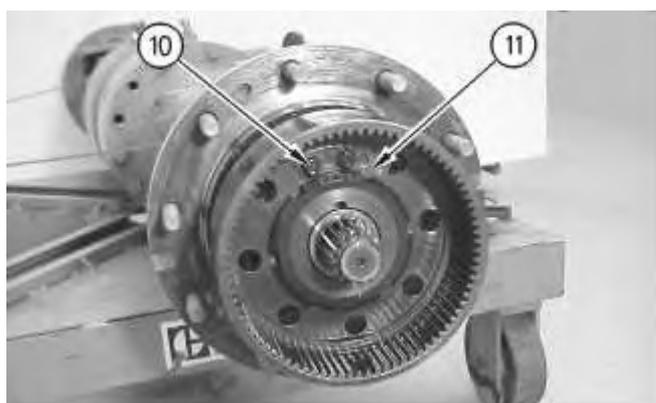


Illustration 7

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6. After the proper rolling torque has been attained, install lock plate (11). Tighten bolts (10) to a torque of 69 N·m (51 lb ft).

Note: Use new bolts in order to secure the lock plate.

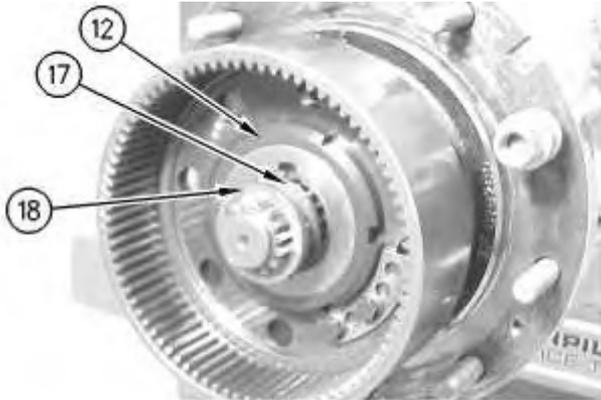


Illustration 8

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7. Install washers (17) and (18). The flat face of washer (18) should be on the inside.



Illustration 9

g00780281

8. Install snap ring (19) .
9. Calculate the end play of the sun gear of the axle shaft.

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