



Service Repair Manual

Models

430D Backhoe Loader

Product: BACKHOE LOADER

Model: 430D BACKHOE LOADER BML

Configuration: 430D Backhoe Loader BML04800-UP (MACHINE) POWERED BY 3054C Engine

Disassembly and Assembly

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

Media Number -REN3578-12

Publication Date -01/04/2010

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i03775729

Tie Rods (Steering)(Rear) - Remove and Install

SMCS - 4318-010-RE; 4318-010-ZH

Removal Procedure

Table 1

| Required Tools | | | |
|----------------|-------------|------------------|-----|
| Tool | Part Number | Part Description | Qty |
| A | 6V-7887 | Puller | 1 |
| B | 9U-6070 | Heat Gun | 1 |
| C | 4C-4065 | Wrench | 1 |

Start By:

- A. Remove the rear tires and wheels. See Disassembly and Assembly, "Tires & Wheels (Rear) - Remove and Install".



1. Remove nut (1) .

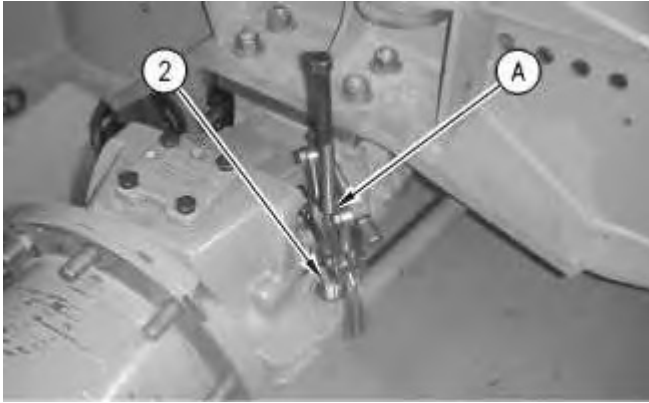


Illustration 2

2. Use tooling (A) in order to remove tie rod end (2) .

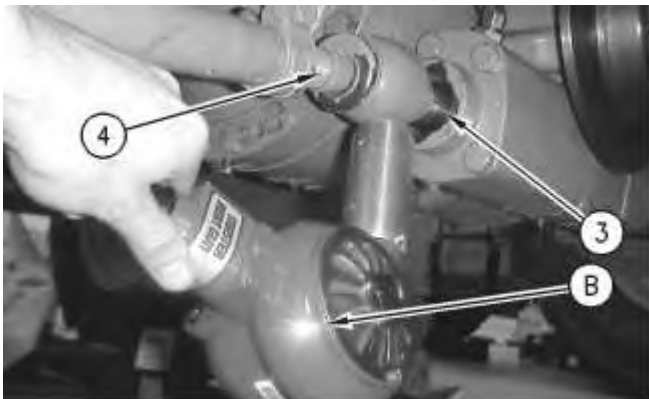


Illustration 3

3. Use tooling (B) in order to heat the joint between steering cylinder (3) and rod assembly (4) .
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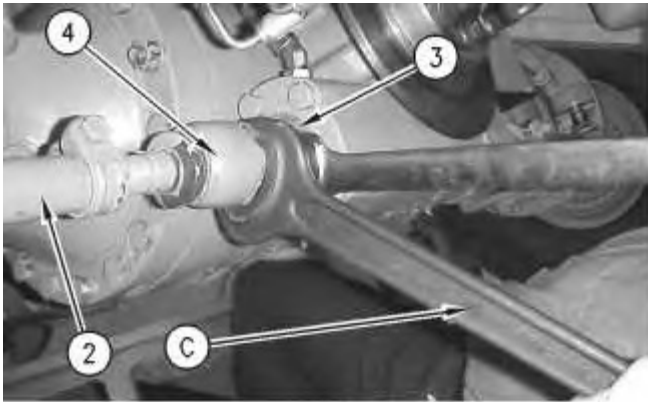


Illustration 4

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4. Use tooling (C) on rod assembly (4) in order to separate tie rod (2) from steering cylinder (3) .

Installation Procedure

1. Ensure that the threads on the tie rods are thoroughly clean.

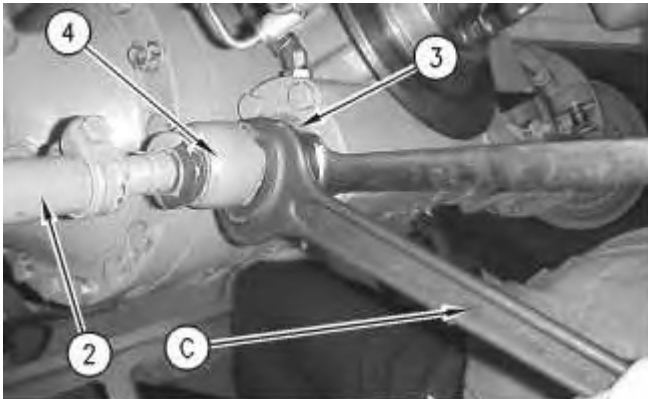


Illustration 5

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2. Apply **9S-3263** Thread Lock Compound to the threads of rod assembly (4) . Install tie rod (2) in steering cylinder rod (3) . Use tooling (C) in order to tighten rod assembly (4) to a torque of 300 N·m (221 lb ft). Ensure that the ball joint end of the tie rod is in the proper alignment.
3. Install nut (1) . Tighten nut (1) to a torque of 220 N·m (162 lb ft).

End By: Install the tires and wheels. See Disassembly and Assembly, "Tires & Wheels (Rear) - Remove and Install".

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i01493758

Drive and Steering Axle (Rear) - Remove

SMCS - 3020-011-RE

Removal Procedure

Start By:

- A. Remove the rear tires and wheels. See Disassembly and Assembly, "Tires & Wheels (Rear) - Remove and Install".

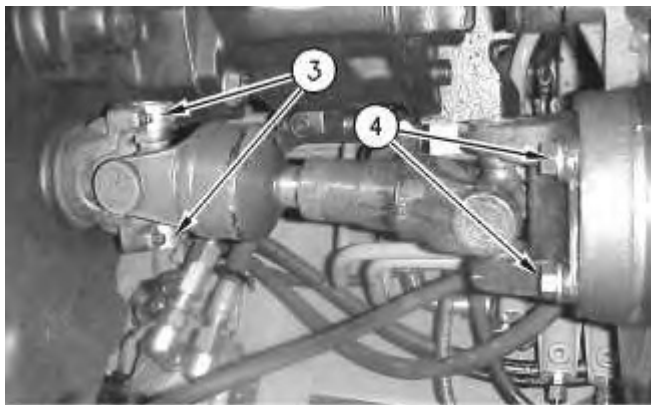


Illustration 1

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1. Remove two brackets (3) for the front of the drive shaft. Remove four bolts (4) from the rear of the drive shaft.
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