



# Service Repair Manual

## **Models**

430D Backhoe Loader

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Product: BACKHOE LOADER

Model: 430D BACKHOE LOADER BML

Configuration: 430D Backhoe Loader BML00001-02280 (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

Publication Date -01/04/2010

Date Updated -13/04/2010

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

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

### Removal Procedure

Table 1

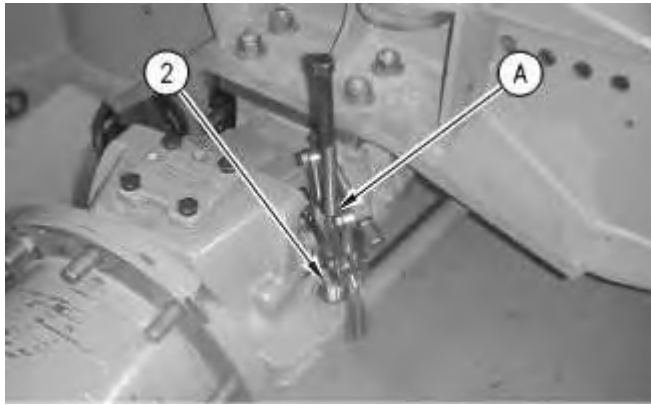
Required Tools			
Tool	Part Number	Part Description	Qty
A	6V-7887	Puller	1
B	9U-6070	Heat Gun	1
C	4C-4065	Wrench	1

#### Start By:

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



1. Remove nut (1) .



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Illustration 2

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



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Illustration 3

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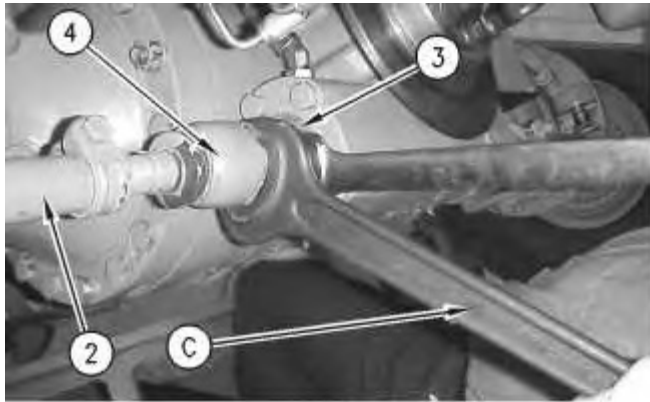


Illustration 4

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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.

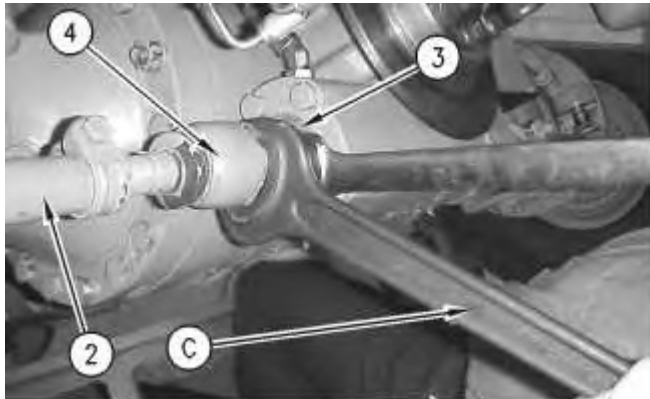


Illustration 5

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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".

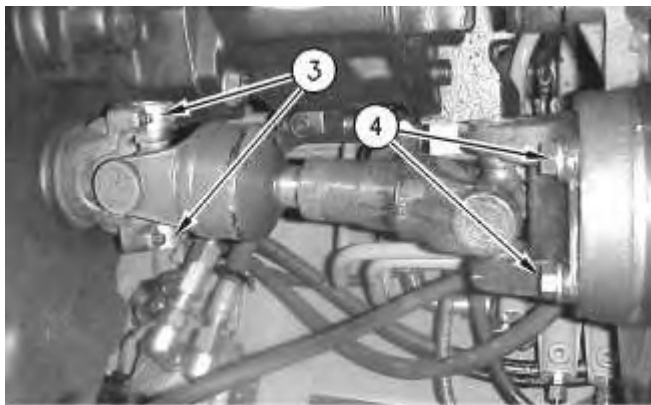


Illustration 1

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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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