



Service Repair Manual

Model

428C BACKHOE LOADER

Product: BACKHOE LOADER

Model: 428C BACKHOE LOADER 2CR

Configuration: 428C Backhoe Loader Side Shift, Parallel Lift 2CR19310-UP (MACHINE) POWERED BY 3054 Engine

Disassembly and Assembly Alternator - Bosch K1/N1

Media Number -SEN3685-02

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Date Updated -16/09/2013

i05064230

Alternator - Assemble

SMCS - 1405-016

Assembly Procedure

Cleanliness is an important factor. Before assembly, all parts should be thoroughly cleaned in cleaning fluid. Allow the parts to air dry. Wiping cloths or rags should not be used to dry parts. Lint may be deposited on the parts which may cause problems in the future. Inspect all parts. If any parts are worn or damaged, use new parts for replacement.

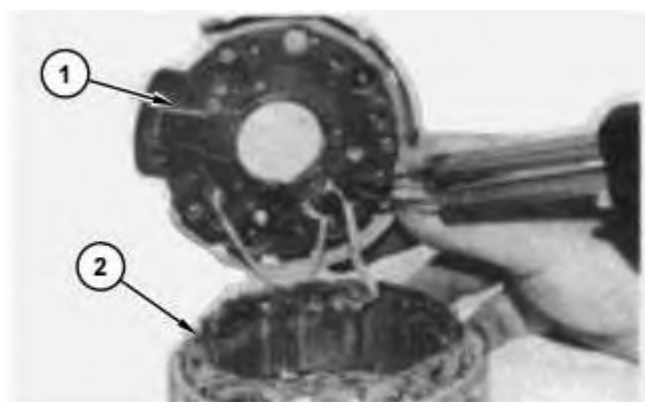


Illustration 1

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(1) Rectifier

(2) Stator

1. Connect and solder the stator leads to the positive (+) diodes of rectifier (1) .
-

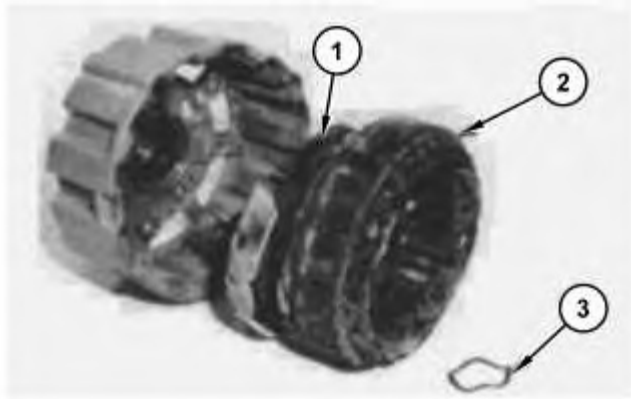


Illustration 2

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(1) Rectifier

(2) Stator

(3) Position wave washer

2. Position the insulators on the rectifier terminal studs. Position rectifier (1), and stator (2) into the rear frame, and install the three screws. Install the terminal insulators, washers, and nuts. Position wave washer (3) into the bearing bore of the rear frame.

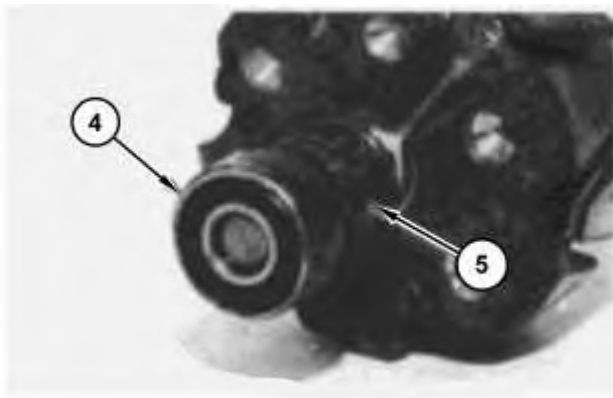


Illustration 3

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(4) Rear bearing

(5) Slip ring

3. Install slip ring (5) on the rotor. Connect and solder the rotor leads to the slip ring (5). Install rear bearing (4) .
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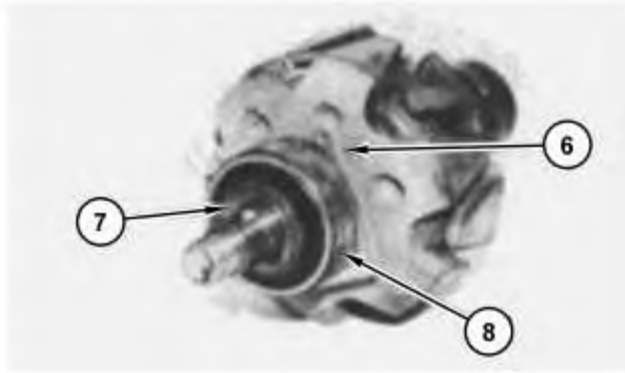


Illustration 4

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(6) Bearing cover

(7) Spacer

(8) Front bearing

4. Install bearing cover (6), front bearing (8), and spacer (7) on the rotor.

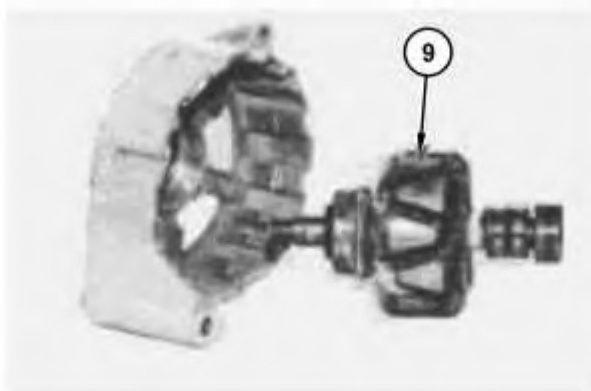


Illustration 5

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(9) Rotor

5. Install rotor (9) and the four screws into the front frame.
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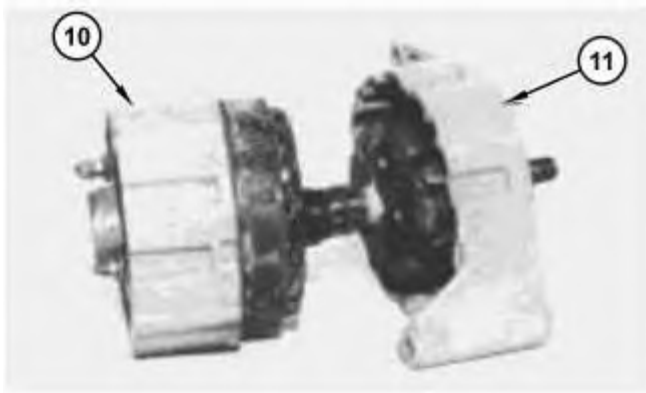


Illustration 6

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(10) Stator assembly

(11) Rotor assembly

6. Assemble front frame and rotor assembly (11) into rear frame and stator assembly (10). Make sure that the wave washer is fixed in the rear frame bearing bore. Align the front and rear frame marks made at disassembly for correct assembly. Install the four screws.

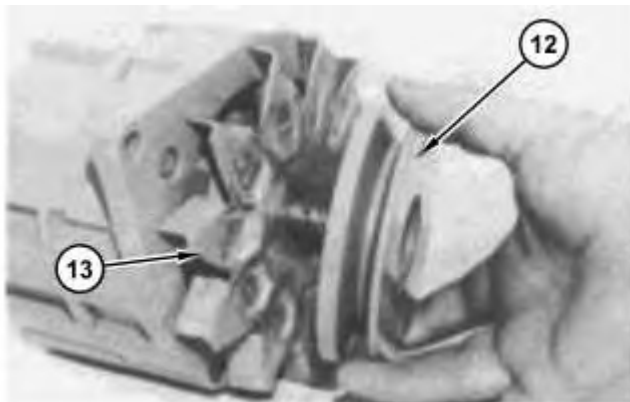


Illustration 7

g03230896

(12) Pulley

(13) Fan

7. Install the key, fan (13), pulley (12), washer, and pulley nut. Tighten the nut to a torque of:

3E-7295 Charging Alternator Gp, and **9X-0341** Charging Alternator Gp ... $70 \pm 5 \text{ N}\cdot\text{m}$ ($52 \pm 4 \text{ lb ft}$)

8C-5535 Charging Alternator Gp, **7T-2876** Charging Alternator Gp, **2Y-4212** Charging Alternator Gp, and **2Y-8310** Charging Alternator Gp ... $35 \pm 10 \text{ N}\cdot\text{m}$ ($26 \pm 7 \text{ lb ft}$)

9W-3043 Charging Alternator Gp ... $50 \pm 5 \text{ N}\cdot\text{m}$ ($37 \pm 4 \text{ lb ft}$)

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