

Product: WHEEL LOADER

Model: 980C WHEEL LOADER 63X

Configuration: 980C Wheel Loader 63X06575-UP (MACHINE) POWERED BY 3406 Engine

Disassembly and Assembly 980C WHEEL LOADER POWER TRAIN

Media Number -SEN7757-02

Publication Date -01/04/1984

Date Updated -02/10/2009

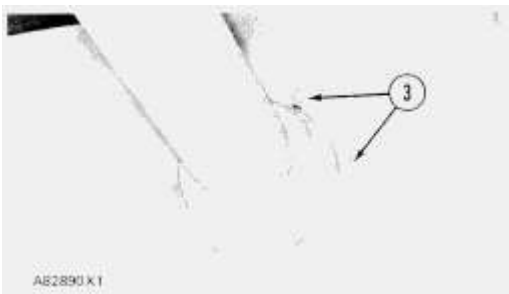
SEN77570008

Front Drive Shaft

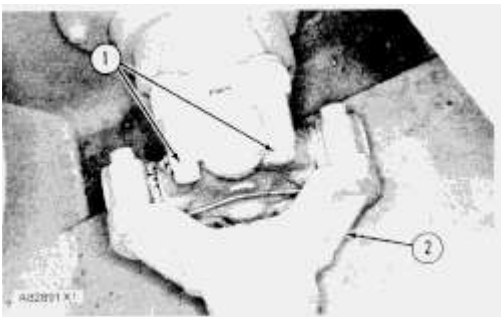
SMCS - 3253-11; 3253-12

Remove Front Drive Shaft

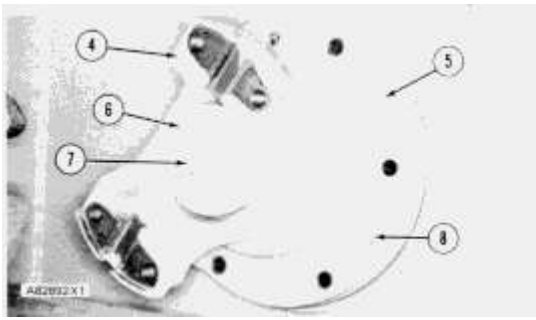
Tools Needed		A
1P520	Driver Group	1



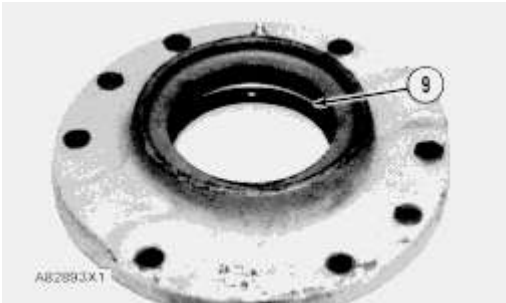
1. Remove four bolts (1) that hold the center drive shaft to the yoke. Pull drive shaft (2) clear of the yoke.



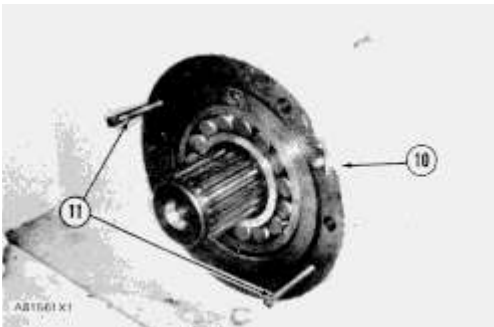
2. Remove six bolts and nuts (3) that hold the bearing cage and retainer to the frame.



3. Remove bolt (7) and retainer (6). Remove yoke (4) from the drive shaft.
4. Remove two bolts (8), and remove retainer (5) from the bearing cage.



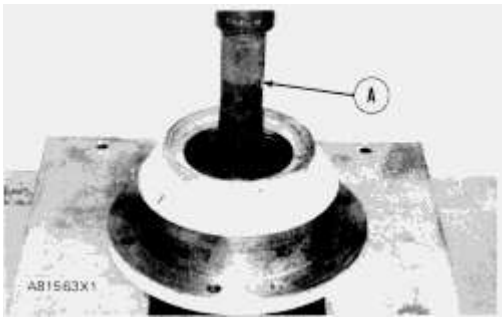
5. Remove lip seal (9) from the retainer.



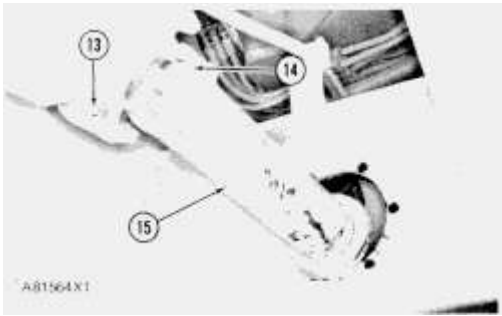
6. Install two 3/8"-16 NC forcing screws (11) in the bearing cage. Remove bearing cage (10) and bearing from the machine.



7. Remove O-ring seal (12) from the bearing cage.



8. Use tooling (A) and a press to remove the bearing from the cage.



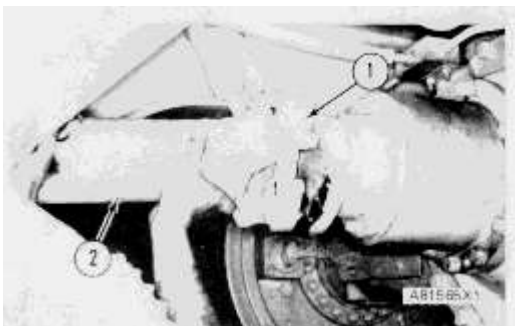
9. Remove four bolts and nuts (13) that hold the universal joint to the yoke.

10. Remove front drive shaft (15) from the machine. The weight of the front drive shaft is 29 kg (64 lb.).

11. Remove universal joint (14) from the drive shaft.

Install Front Drive Shaft

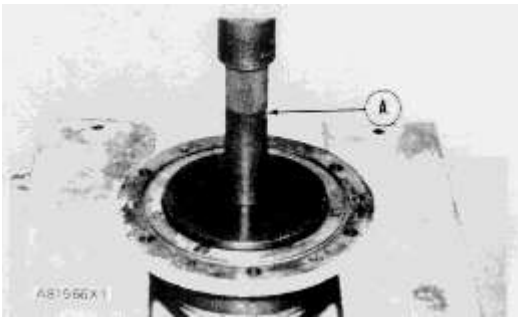
Tools Needed		A
1P520	Driver Group	1



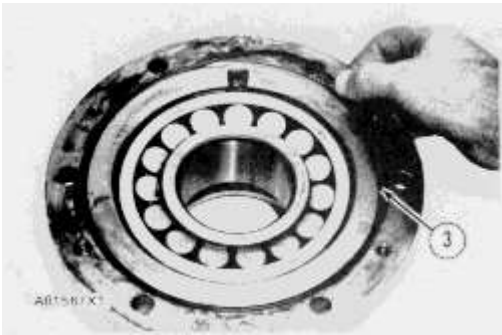
1. Install universal joint (1) on the front drive shaft. Tighten the bolts to a torque of 135 ± 15 N·m (100 ± 11 lb.ft.).

2. Put front drive shaft (2) in position on the yoke of the front differential.

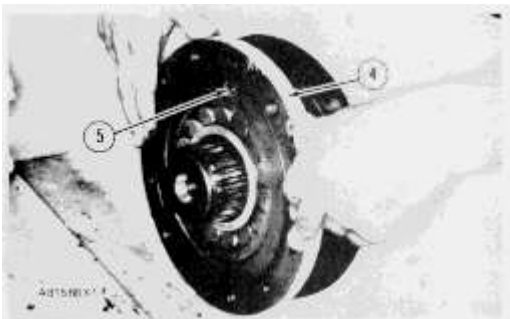
3. Install the bolts that hold the universal joint to the yoke. Tighten the bolts to a torque of 135 ± 15 N·m (100 ± 11 lb.ft.).



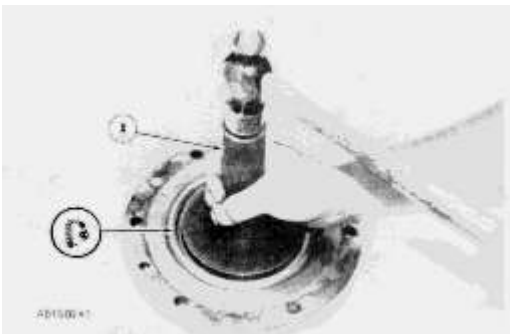
4. Use tooling (A) and a press to install the bearing in the cage.



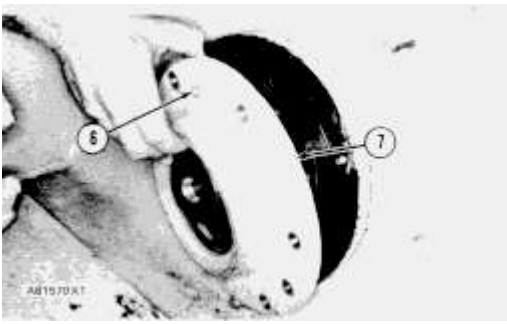
5. Install O-ring seal (3) on the bearing cage. Put a small amount of 1P808 General Purpose Lubricant on the O-ring seal.



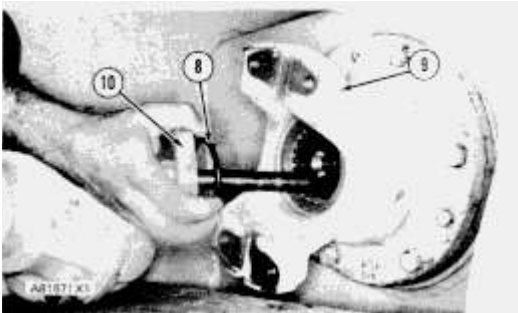
6. Put bearing cage (4) in position in the frame. Make sure the opening (slot) (5) in the bearing cage is toward the top as shown.



7. Install the lip seal in the retainer with tooling (A). Install the seal with the lip toward the front of the retainer. Put a small amount of 1P808 General Purpose Lubricant on the lip of the seal.



8. Install retainer (7) on the bearing cage. Make sure grease fitting (6) is in alignment with the opening (slot) in the bearing cage.

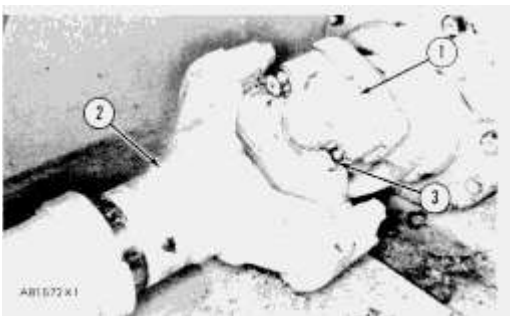


9. Put yoke (9) in position on the drive shaft.

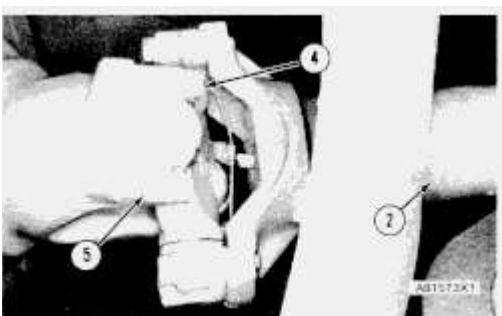
10. Put a small amount of 1P808 General Purpose Lubricant on the O-ring seal. Install seal (8), retainer (10) and the bolt. Tighten the bolt to a torque of $470 \pm 50 \text{ N}\cdot\text{m}$ ($347 \pm 37 \text{ lb}\cdot\text{ft}$).

11. Install the center drive shaft on the yoke. Tighten the bolts to a torque of $135 \pm 15 \text{ N}\cdot\text{m}$ ($100 \pm 11 \text{ lb}\cdot\text{ft}$).

Remove Center Drive Shaft

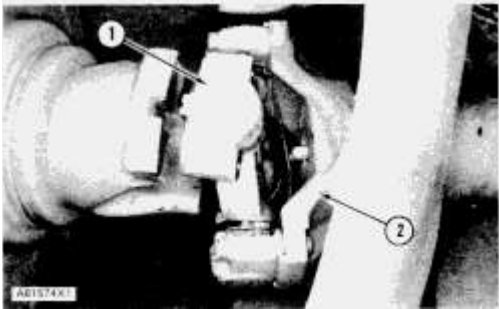


1. Remove four bolts (3). Disconnect center drive shaft (2) and universal joint (1) from the yoke.



2. Remove four bolts (4). Remove center drive shaft group (2) from the machine. The weight of the center drive shaft group is 32 kg (71 lb.).
3. Remove universal joints (1) and (5) from the center drive shaft group.

Install Center Drive Shaft Group



1. Install universal joints (1) on the center drive shaft group. Tighten the bolts to a torque of $135 \pm 15 \text{ N}\cdot\text{m}$ ($100 \pm 11 \text{ lb}\cdot\text{ft.}$).



2. Put center drive shaft group (2) in position on the transfer gear yoke. Install the bolts that hold it. Tighten the bolts to a torque of $135 \pm 15 \text{ N}\cdot\text{m}$ ($100 \pm 11 \text{ lb}\cdot\text{ft.}$).
3. Connect center drive shaft group (2) to the yoke of the front drive shaft. Install the bolts that hold it. Tighten the bolts to a torque of $135 \pm 15 \text{ N}\cdot\text{m}$ ($100 \pm 11 \text{ lb}\cdot\text{ft.}$).

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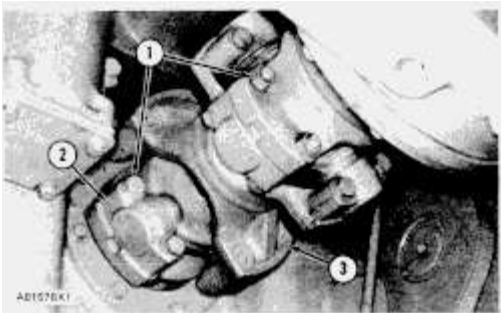
Rear Drive Shaft

SMCS - 3253-11; 3253-12

Remove Rear Drive Shaft

START BY:

- a. remove power train guard



1. Remove eight bolts and nuts (1). Remove rear drive shaft (3) from the machine.
2. Remove universal joints (2) from the drive shaft.

Install Rear Drive Shaft



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