

Disassembly and Assembly

225D & 231D EXCAVATORS VEHICLE SYSTEMS

Media Number -SEN4784-00

Publication Date -01/03/1990

Date Updated -26/10/2004

SEN47840057

Counterweight

SMCS - 7110-010

Remove And Install Counterweight

NOTE: The following story is from a 225B. The photos and text are typical and not an exact representation of the 225D and 231D; however, the procedures will apply.



Lower the bucket to the ground before the counterweight is removed.



Typical Example

1. Fasten a hoist to the counterweight.
2. Remove eight bolts (2) and counterweight (1). The weight of the counterweight for the 231D is **approximately 4785 kg (10540 lb)**. The weight of the counterweight for the 225D is **3880 kg (8540 lb)**.

NOTE: Install in reverse order.

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SEN47840058

Swing Gear And Bearing

SMCS - 7063-010

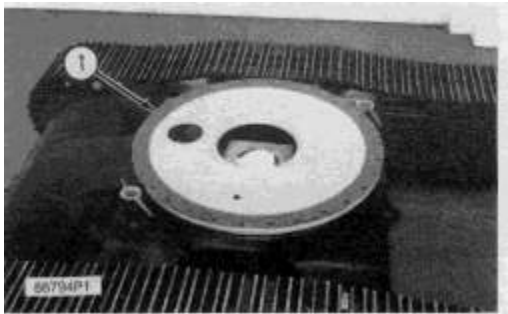
Remove And Install Swing Gear And Bearing

Start By:

- a. remove undercarriage



Always lower the bucket to the ground before the performance of any service work.



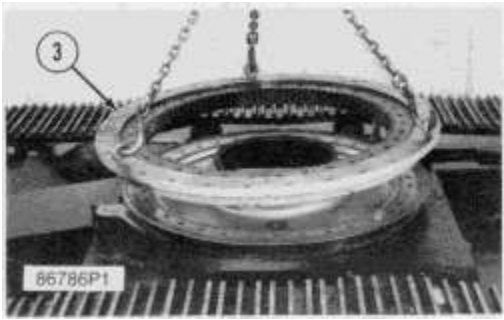
Typical Example

1. Remove cover (1). The weight of the cover is **52 kg (115 lb)**.

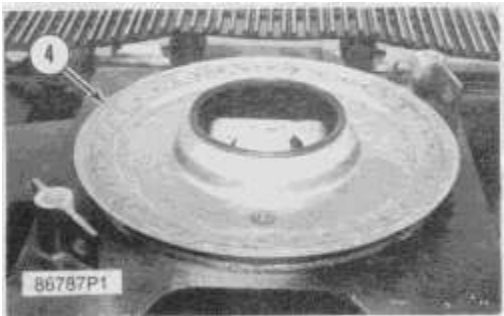


Typical Example

2. Remove thirty-six bolts (2).



3. Install three 7/8" - 9 NC forged eyebolts and nuts in the gear and bearing. Fasten a hoist and remove the gear and bearing (3). The weight of the gear and bearing is **450 kg (1000 lb)**.

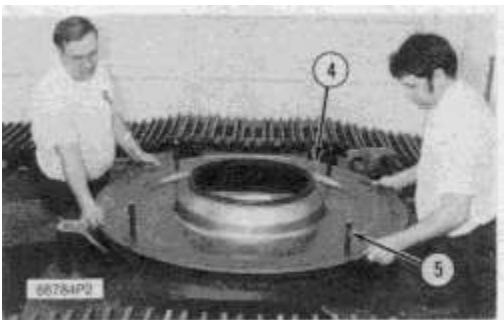


Typical Example

4. Remove pan (4). The weight of the pan is **29 kg (65 lb)**.

NOTE: The following steps are for the installation of swing gear and bearing.

5. Clean the old liquid gasket material from the contact surfaces of the pan and carbody frame. Put **7M7260 Liquid Gasket** on the surfaces.



6. Install four 7/8" - 9 NC guide pins (5). Using the pins as a guide, install pan (4).

7. Clean the old liquid gasket material from the contact surfaces of the pan and gear.

8. Inspect the seal on the bottom of the gear and bearing. Replace if necessary.