

# JCB 3CX,4CX,214e,214,215,217 & Variants Backhoe Loader Service Repair Manual



## 8055, 8065

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**Every 50 Hours****Slew Ring Bearings****⚠ WARNING**

Do not overgrease the slew ring as this will result in the displacement of the grease seal.

8-2-9-35

Ensure the slew ring is kept full of grease.

Slew the machine 90° across the tracks. Locate the grease points (forward and aft) on the slew ring. To ensure full distribution of the grease, use the following procedure.

- 1 Grease in, using 4 strokes of the grease gun. Rotate 180°.
- 2 Grease in, using 4 strokes of the grease gun. Rotate 180°.
- 3 Grease in using 4 strokes of the grease gun.

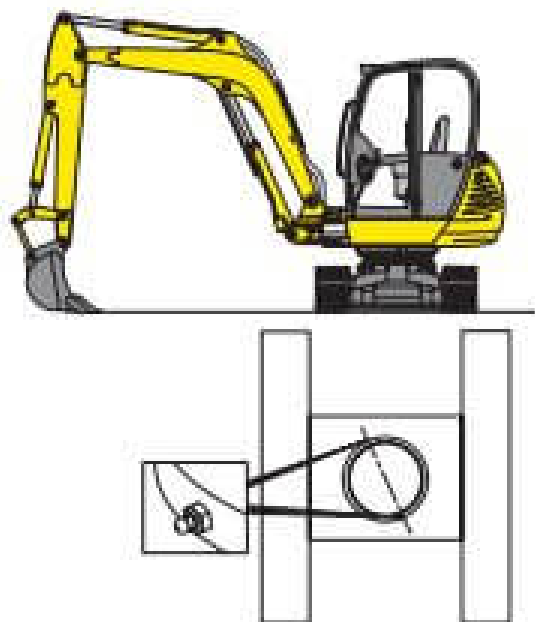


Fig 2.

**Every 1000 Hours****Slew Ring Gear Teeth****⚠ WARNING****Slew Pinion Grease**

JCB Slew Pinion Grease is harmful as it contains bitumen compounds 2811. Excessive contact may lead to dermatitis or skin cancer. Always use a barrier cream or wear gloves; wash contaminated skin thoroughly with soap and water. In the event of eye contact, immediately wash with plenty of water and seek medical advice.

8-1-1-7

**⚠ WARNING****Soft Ground**

A machine can sink into soft ground. Never work under a machine on soft ground.

INT-3-3-4

**⚠ WARNING****Jacking**

A machine can roll off jacks and crush you. Do not work under a machine supported only by jacks.

8-3-5-7

- 1 Raise the machine and support the undercarriage.
- 2 Stop the engine and remove the starter key.
- 3 Remove bolts **A** and plate **B** in the underside of the undercarriage. ➔ [Fig 3. \(D 3-24\)](#)
- 4 Apply the grease to the pinion using the applicator. ➔ [Fluids, Lubricants and Capacities \(D 3-11\)](#).
- 5 Start the engine and rotate the mainframe fully twice.
- 6 Stop the engine and remove the key.

## Changing the Oil and Filter

### **⚠ WARNING**

Hot oil and engine components can burn you. Make sure the engine is cool before doing this job.

Used engine crankcase lubricants contain harmful contaminants. In laboratory tests it was shown that used engine oils can cause skin cancer.

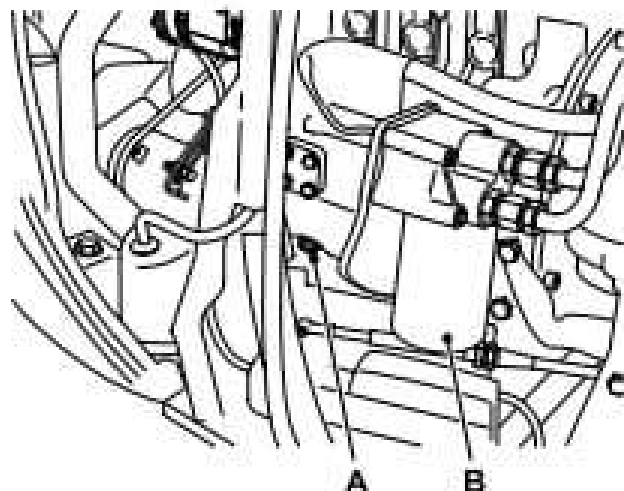
8-3-1-4

### **⚠ CAUTION**

Keep your face away from the drain hole when removing the drain plug.

2-3-3-4

- 1 Place a container beneath the engine (to catch the oil). [➔ Fluids, Lubricants and Capacities \(D 3-11\)](#), for capacity. Remove the drain plug A. Let the oil drain out, then clean and refit the drain plug.



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Fig 11.

### **⚠ CAUTION**

The oil filter canister will contain some oil which could spill out when you remove the canister.

MD-3-2-1

- 2 Unscrew the filter canister B. If necessary use a chain or strap wrench. Clean the filter mounting face.

Smear the seal on the new filter canister with oil. Screw in the new canister - hand tight and then one quarter turn.

- 3 Fill the engine with new oil slowly through the filler. DO NOT insert the container neck Z completely into the filler hole. [➔ Fig 10. \(D 3-31\)](#). Allow oil to flow down from the filler to the crankcase. Replace filler cap securely. Use only the recommended oil. [➔ Fluids, Lubricants and Capacities \(D 3-11\)](#)

*Important: Oil must be added slowly.*

- 4 Wipe off any spilt oil. Check for leaks. Make sure that the filler cap is correctly refitted.



Thank you very much  
for your reading.  
Please click here  
to get more information.