

JCB 802.7,803,804 Mini Excavator Service Repair Manual



VMS 71

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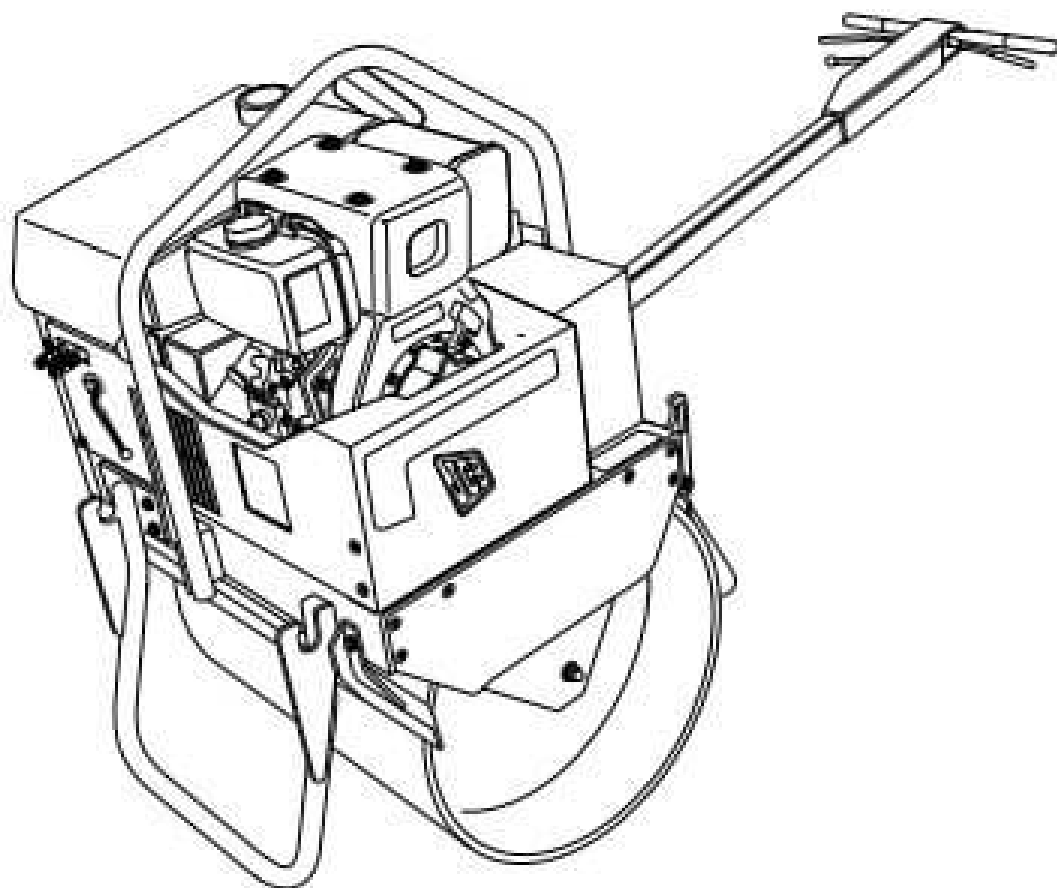
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World Wide
Customer Support

Engine

Checking the Oil Level

⚠ CAUTION

Never operate the engine with the oil level below the low mark or above the high mark, otherwise engine damage or poor engine performance can occur.

13-3-13

⚠ WARNING

Do not exceed the correct level of engine oil in the sump. If there is too much engine oil, the excess must be drained to the correct level. An excess of engine oil could cause the engine speed to increase rapidly without control.

GEN-1-18

⚠ WARNING

Running the engine with insufficient oil can cause engine damage. Check the oil level with the engine stopped.

MD-1-1-14

- 1 Park the machine on level ground and stop the engine
➔ [Stopping and Parking the Machine \(D 29\)](#).

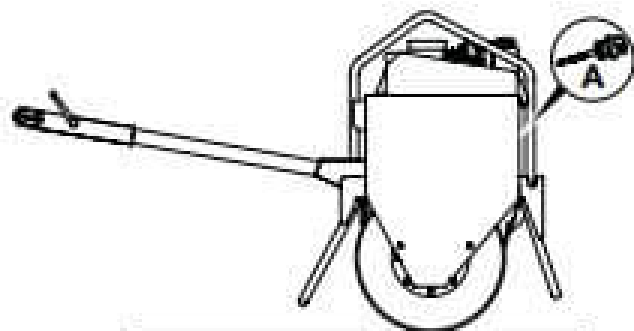


Fig 2.

- 2 Ensure that the machine is parked so that the engine is level ➔ [Fig 2. \(D 12\)](#).
- 3 Unscrew and withdraw the filler cap A
➔ [Fig 2. \(D 12\)](#).

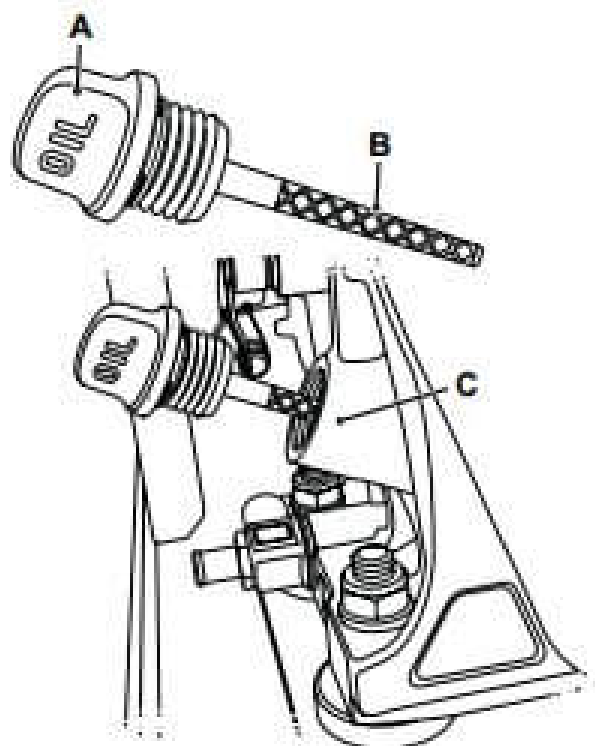


Fig 3.

- 4 Wipe clean the dip stick B. Re-insert the filler cap. Unscrew, withdraw and check the oil level on the dip stick ➔ [Fig 3. \(D 12\)](#).

Note: Allow time for the oil to drain back into the engine sump before taking a reading. If insufficient time is given a false low reading may be recorded which will result in overfilling the engine.

- 5 The oil level should be between the top and bottom marks on the dipstick.
- 6 Top up with oil through the filler neck C if necessary
➔ [Fig 3. \(D 12\)](#). ➔ [Fluids, Lubricants and Capacities \(D 8\)](#).

Hydraulic System

Checking the Hydraulic Fluid Level

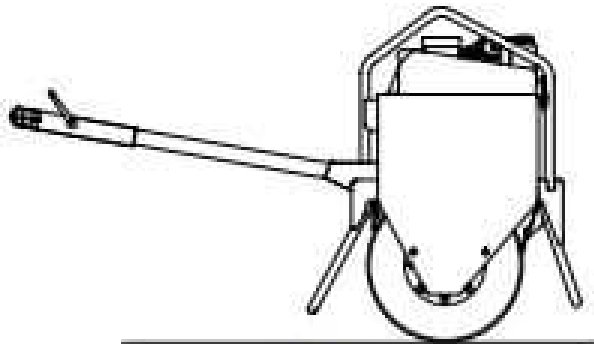


Fig 7.

- 1 Park the machine on level ground and stop the engine ➔ [Stopping and Parking the Machine \(D 29\)](#).
- 2 Ensure that the machine is parked so that the hydraulic tank is level ➔ [Fig 7. \(D 15\)](#).

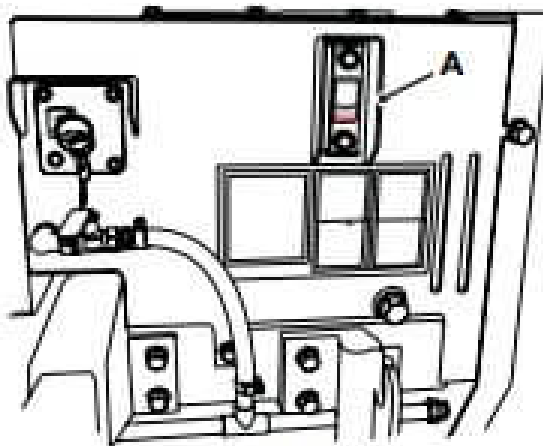


Fig 8.

- 3 The hydraulic fluid level is indicated by the sight gauge A. The fluid level should be between the red line and the black line.

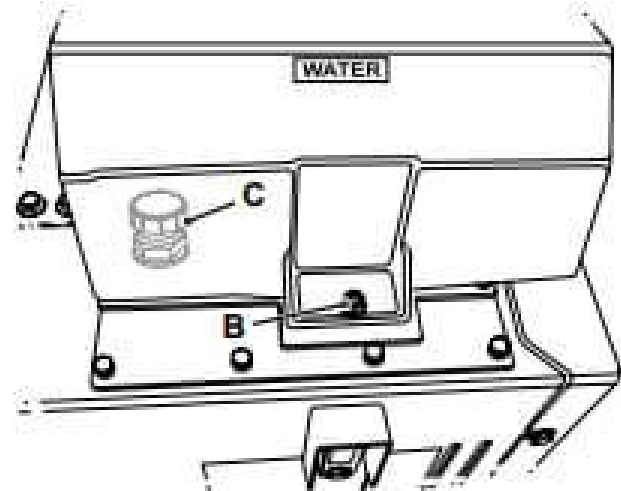


Fig 9.

- 4 Top up with hydraulic fluid if necessary ➔ [Fluids, Lubricants and Capacities \(D 8\)](#).
 - a Drain the sprinkler system ➔ [Draining the Sprinkler System \(D 20\)](#).
 - b Remove the nut B securing the water tank. Tilt the water tank.
 - c Add oil through the filler C.



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