

JCB 3170,3190,3200,3220,3230 Fastrac Service Repair Manual





JS115, JS130, JS145 - Tier III Auto

Service Manual - JS115, JS130, JS145 - Tier III Auto

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Customer Support

Removal and Replacement

⚠ WARNING

Lifting Equipment

You can be injured if you use faulty lifting equipment. Make sure that lifting equipment is in good condition. Make sure that lifting tackle complies with all local regulations and is suitable for the job. Make sure that lifting equipment is strong enough for the job.

INT-1-3-7

⚠ WARNING

Hydraulic Pressure

Hydraulic fluid at system pressure can injure you. Before connecting or removing any hydraulic hose, residual hydraulic pressure trapped in the service hose line must be vented. Make sure the hose service line has been vented before connecting or removing hoses. Make sure the engine cannot be started while the hoses are open.

INT-3-1-11_2

⚠ WARNING

Raised Machine

NEVER position yourself or any part of your body under a raised machine which is not properly supported. If the machine moves unexpectedly you could become trapped and suffer serious injury or be killed.

INT-3-3-7_1

Removal

- 1 Position the boom so that the fork carriage 1-A can be safely supported when it is disconnected from the boom assembly.
- 2 Park the machine and make it safe. Vent the hydraulic pressure. Obey the care and safety procedures.
[➡ Related Topics \(B1-2\)](#)
- 3 Support the fork carriage 1-A.

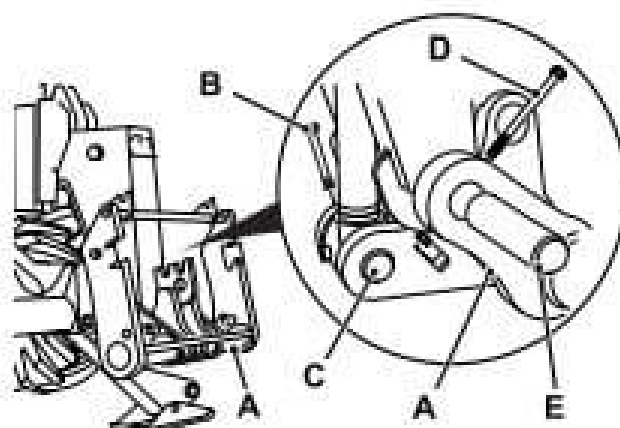


Fig 1.

CAUTION

- 4 Remove the tilt ram pivot lock nut and bolt 1-B and then drift out pivot pin 1-C. Be sure not to damage the tilt ram piston rod.
- 5 Remove the lock nut and bolt 1-D from the pivot pin trunnion. Drift out pivot pin 1-E from its location.
- 6 Remove the fork carriage 1-A.

Replacement

Replacement is the opposite of the removal procedure.

Cooling System

Checking the Coolant Level

- 1 Park the machine on solid, level ground.
- 2 Turn the engine OFF and remove the ignition key.
- 3 Let the engine cool down.

WARNING

The cooling system is pressurised when the coolant is hot. When you remove the cap, hot coolant can spray out and burn you. Make sure that the engine is cool before you work on the cooling system.

9-3-3-1_2

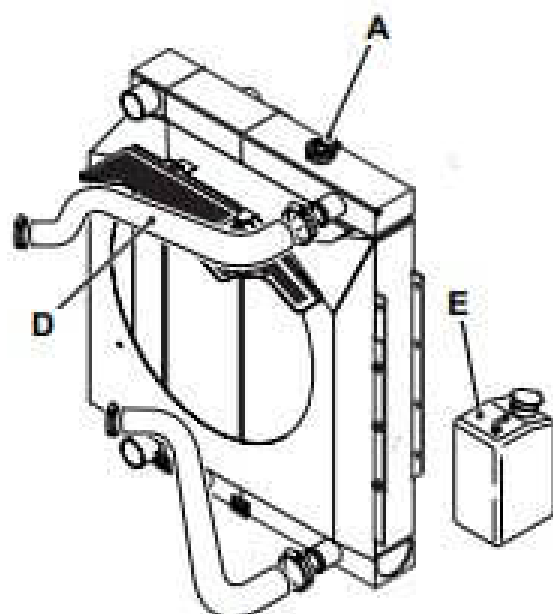


Fig 33.

- 4 Carefully release the radiator cap A to release system pressure.
- 5 Remove the radiator cap A.
- 6 Check the radiator is full of coolant.

If the level is low:

4JJ Engines

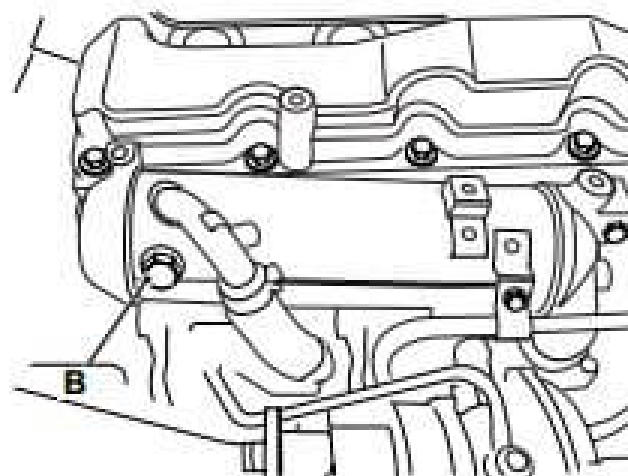


Fig 34.

- a Open the EGR cooler plug B to bleed air from the system.
- b Top up the radiator with coolant.
- c Close the EGR cooler plug.

Note: Torque tighten the EGR cooler plug to 25Nm.

- d Fit the radiator cap.

4HK, 6HK Engines

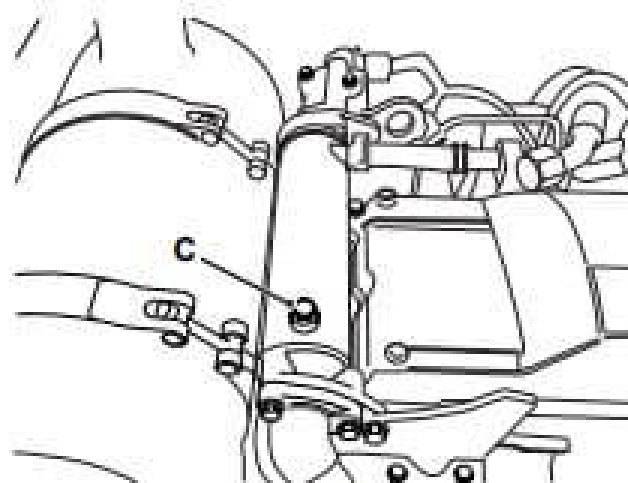


Fig 35.

- a Open the EGR cooler plug C to bleed air from the system.



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