

## JCB JS330,JS450,JS460 Tracked Excavators Service Repair Manual





# Service Manual Loadall

Models:

**520-50**

from Serial No. 754001

**525-50**

from Serial No. 789308

**525-50S**

from Serial No. 1037581

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<b>General Information</b>	<b>1</b>
<b>Care &amp; Safety</b>	<b>2</b>
<b>Routine Maintenance</b>	<b>3</b>
<b>Attachments</b>	<b>A</b>
<b>Body &amp; Framework</b>	<b>B</b>
<b>Electrics</b>	<b>C</b>
<b>Controls</b>	<b>D</b>
<b>Hydraulics</b>	<b>E</b>
<b>Transmission</b>	<b>F</b>
<b>Brakes</b>	<b>G</b>
<b>Steering</b>	<b>H</b>
<b>Engine</b>	<b>K</b>

The machine must be made safe before carrying out any servicing.

## General Safety

Read Section 2, Care and Safety.

Position the machine on firm level ground. Apply the parking brake.

Chock both sides of all four wheels.

Make sure the transmission selector and gear lever are in the neutral position.

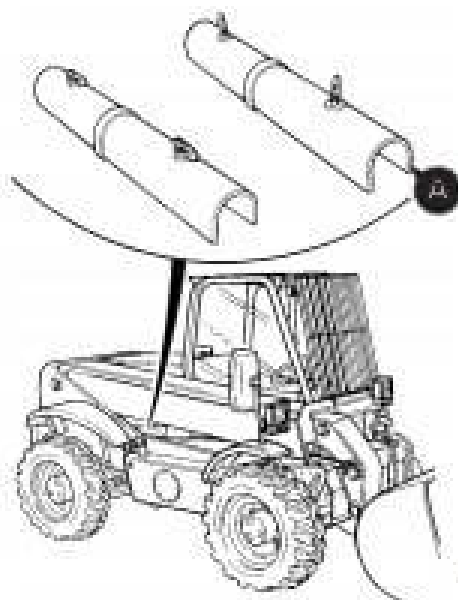
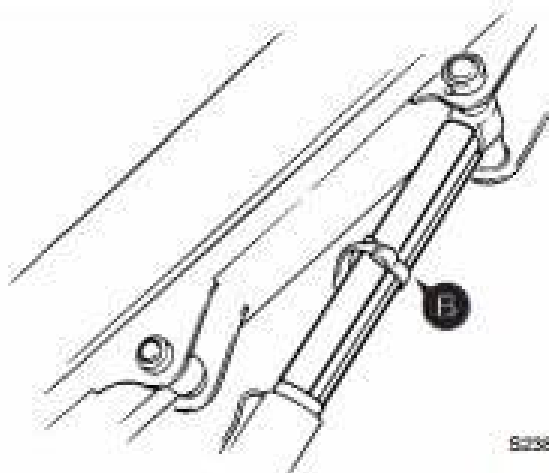
Fully retract the boom and lower to the ground.

Switch OFF the engine and remove the starter key.

Operate the controls to vent residual pressure.

Release the hydraulic tank filler cap to release residual tank pressure.

When welding electrically disconnect the alternator.



## Working with Boom Raised

### Fitting Safety Strut

Carry out General Safety and the following procedure:

#### **⚠ WARNING**

You could be killed or injured if the boom drops while you are working under it. Install the safety strut as instructed below before doing any maintenance work with the boom raised.

S-3-1-2

Fully retract the boom (unless it needs to be extended for maintenance). Raise the boom just far enough to install the strut.

Make sure the parking brake is engaged and the transmission is in neutral. Switch OFF the engine and remove the starter key.

#### **⚠ CAUTION**

You will have to climb onto the machine to fit or remove the safety strut. Take care, especially if the machine is wet. Remove mud and oil before climbing onto the machine.

S-3-1-11

#### **⚠ WARNING**

You could be killed or injured if the boom is lowered while you are under it. Keep people away from the machine while you fit the strut.

S-3-1-3

Remove the strut from its stowage position A.

Place the strut around the ram piston rod as shown. Fix it in place with strap B.

The strap fitted to the safety strut must be in a serviceable condition, if not fit a new strap.

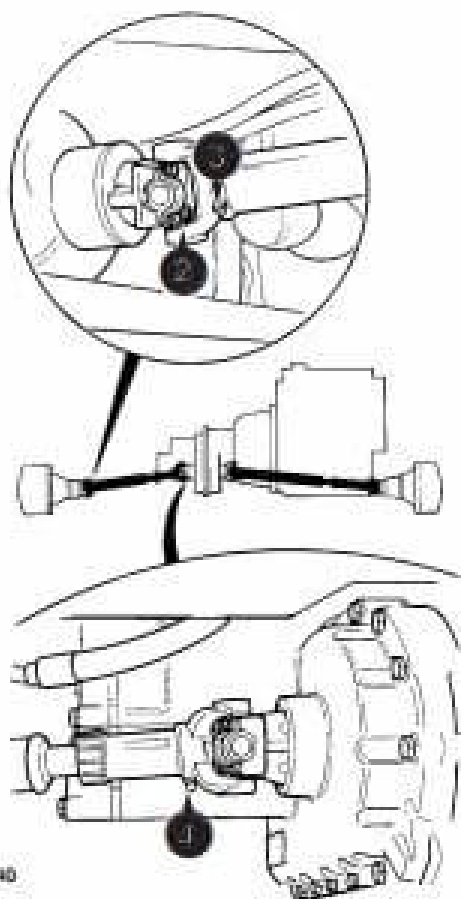
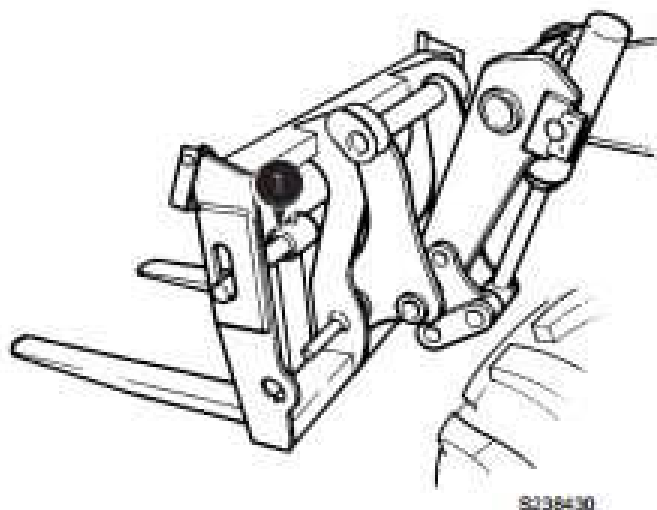
To prevent any chance of the boom creeping down and trapping your fingers, the boom should be lowered onto the strut.

*Note: Lower the boom carefully, to prevent possible damage to the strut. Stop as soon as the weight of the boom is on the strut.*

## Grease Every 500 Hours

See Greasing (50 Hours) for general information on greasing.

All 500 hour greasing operations must be carried out at 50 hour intervals if JCB MPL Grease is used.



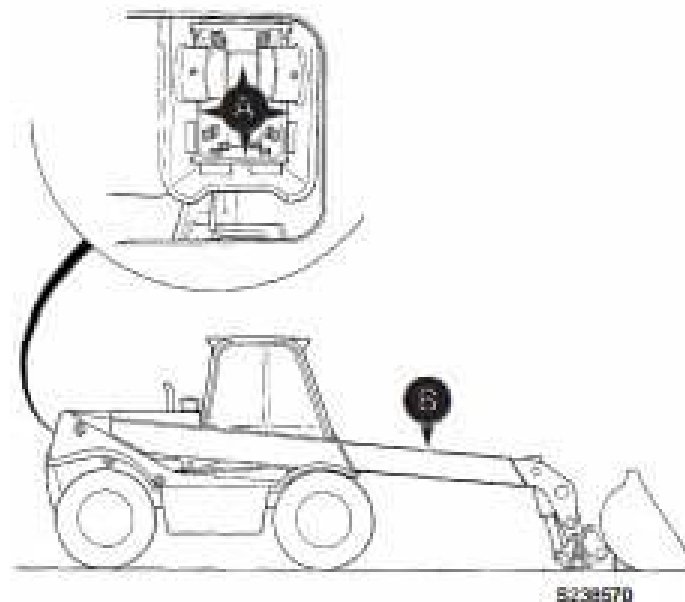
Extend the boom fully. Spray Waxoyl evenly over the surfaces A and B as shown. Allow 2-3 hours drying time before retracting the boom.

### **CAUTION**

Waxoyl contains turpentine substitute, which is flammable. Keep flames away when applying Waxoyl. Waxoyl can take a few weeks to dry completely. Keep flames away during the drying period.

Do not weld near the affected area during the drying period. Take the same precautions as for oil to keep Waxoyl off your skin. Do not breathe the fumes. Apply in a well-ventilated area.

5-3-1-B





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