Service Manual

JS 200 Series Tracked Excavators

Section 1 - General Information

Section 2 - Operator's Manual

Section B - Body and Framework

Section C - Electrics

Section E - Hydraulics

Section F - Transmission

Section J - Track & Running Gear

Section K - Engine



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Technical Data
Static Dimensions

General

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(For: JS200., JS210., JS220., JS230.)

Lifting the Machine

Table 22.

Item	Dimension
Lifting angle	75°
Height to lifting-hook for SC machines	4,500mm
Height to lifting-hook for LC machines	5,000mm

Lifting Hook/Lug Options

Refer to: Operation > Working with the Excavator Arm > Lifting With the Excavator Arm (Page 115).

Table 23.

Lifting hook	12.5t
Lifting lug	17t

(For: JS370)

Lifting Dimensions

Refer to: Operation > Lifting the Machine (Page 142).

Table 24.

Item	Dimension
Lifting angle	75°
Height to lifting-hook for SC machines	4,900mm
Height to lifting-hook for LC machines	5,400mm

Lifting Hook/Lug Options

Refer to: Operation > Working with the Excavator Arm > Lifting With the Excavator Arm (Page 115).

Table 25.

Lifting hook	12.5t
Lifting lug	25t

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Schematic Diagrams - Machines with Ecomax Engines

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- Sheet 3 of 19 - Ignition, 12 Volt Distribution, Switch Backlighting (C-13)
- Sheet 4 of 19 - Secondary Fuses and Power Distribution (C-14)
- Sheet 5 of 19 - Machine ECU (MECU) - Connector J1 (C-15)
- Sheet 6 of 19 - Machine ECU (MECU) - Connector J2 (C-16)
- Sheet 7 of 19 - Screen Wash and Wipers (C-17)
- Sheet 8 of 19 - Worklights and Beacon, Operator Seat Electrical Functions (C-18)
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- Sheet 18 of 19 - Heating Ventilation and Air Conditioning (HVAC) Option (C-28)
- Sheet 19 of 19 - JCB Ecomax Engine (C-29)(1)

(1) *The machine electrical harnesses connect to the engine electrical harnesses at connector IC23. For details of the engine electrical harness and devices refer to the applicable engine Service Manual.*

- Component Keys (C-30)

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Fault Code SYSTEM

Operation Overview

Fault Code Display

A fault codes will be displayed on the display monitor LCD.

For details about navigating the display screens refer to ***Section 2***.

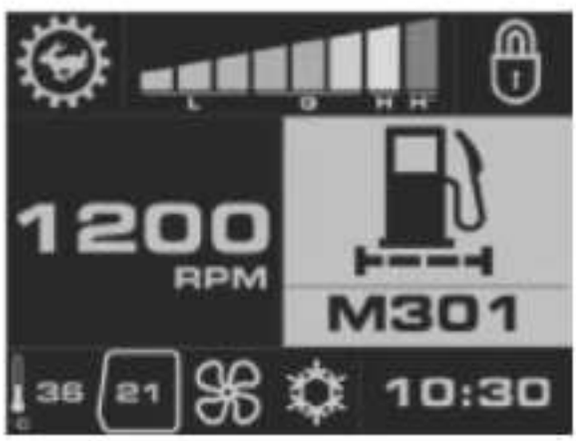
The colour of the display will change according to the severity of the fault displayed.

- ⇨ *Service/Operator Fault (C-5)*
- ⇨ *Critical Fault (C-6)*

Service/Operator Fault

The display is Amber, the buzzer will sound for 1 second, an Icon representing area of machine affected and a fault code is displayed. This indicates faults that may result in reduced machine performance but are not dangerous. They are unlikely to damage the machine. These are known as 'SERVICE' or 'OPERATOR' faults. Warnings remain active until the operator acknowledges the warning with the info key.

If multiple fault codes are active the screen will alternate between the active faults.



C1288T3.jpg

Fig 1. Service/Operator fault warning display

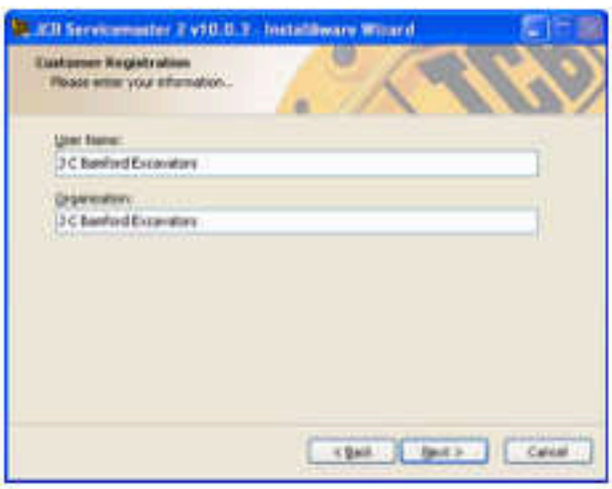
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T040310-5

Fig 7.

6 The next screen requires you to put in your username and organization. Once inserted, click next.



T040310-6

Fig 8.

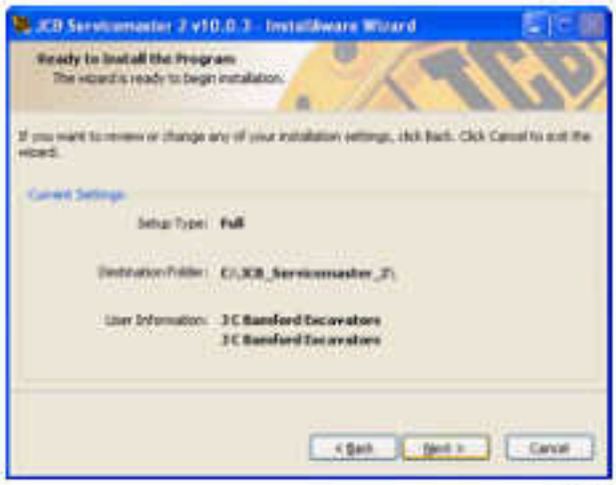
7 On the next screen, please choose "Complete" to do the full install to your laptop.



T040310-7

Fig 9.

8 The next screen shows you where ServiceMaster will be installed to on your computer. Click next to begin the install.



T040310-7

Fig 10.

9 During the install you may get a number of errors indicating language files for TransLink haven't been found. Please click Ignore, these files will be installed later via WebUpdate.

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Performance Dimensions

Excavator Arm Dimensions and Performance

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(For: JS370)

Digging

Monoboom

Figure 253.

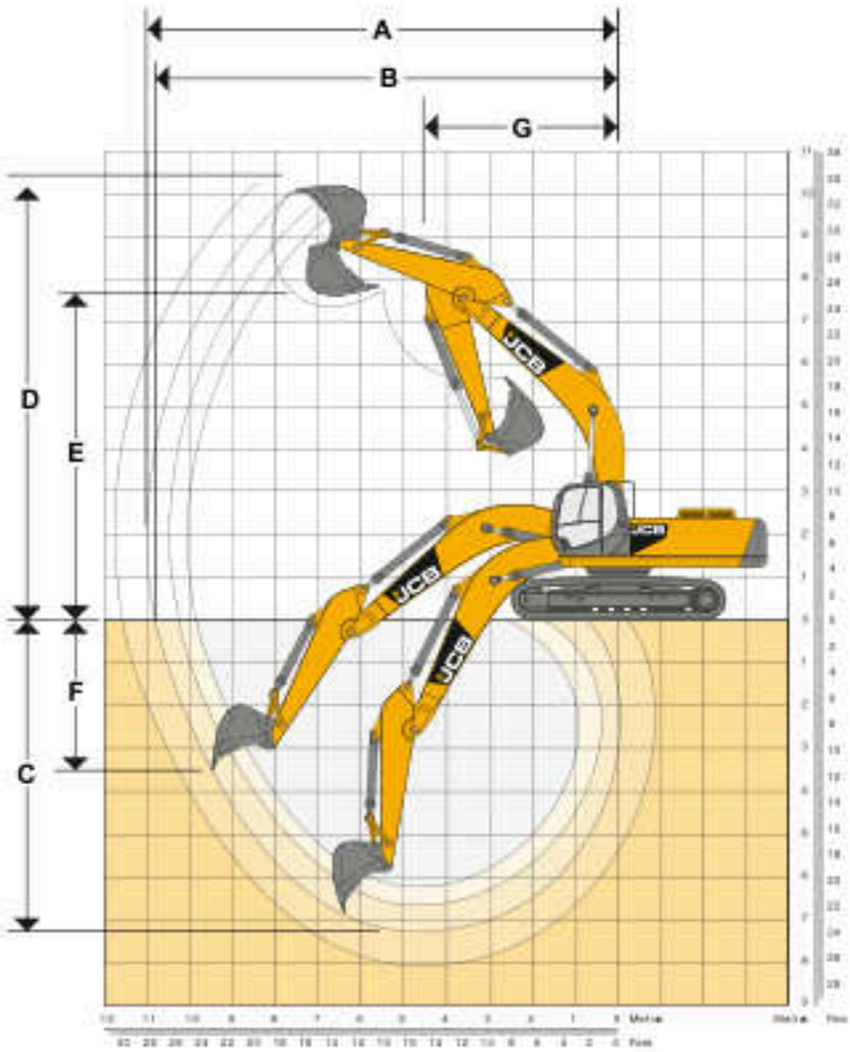


Table 38.

Boom length		6,450mm			
Dipper length		2,210mm	2,630mm	3,230mm	4,030mm
A	Maximum digging reach	10,060mm	10,460mm	11,020mm	11,760mm
B	Maximum digging reach (on ground)	9,850mm	10,255mm	10,820mm	11,570mm
C	Maximum digging depth	6,250mm	6,680mm	7,270mm	8,070mm
D	Maximum digging height	9,510mm	9,730mm	10,020mm	10,220mm
E	Maximum dumping height	6,800mm	7,000mm	7,260mm	7,570mm

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