Dear JCB Customer

Even if you have operated this type of equipment before, it is very important that your new machines operations and functions are explained to you by a JCB Dealer Representative following delivery of your new machine.

Following the installation you will know how to gain maximum productivity and performance from your new product.

Please contact your local JCB dealer if the Installation Form has not yet been completed with you.

Your Local JCB Dealer is:

OPERATOR MANUAL

THIS MANUAL SHOULD ALWAYS STAY WITH THE MACHINE

FASTRAC 7170, 7200, 7230, 7270 FROM SERIAL NUMBER 1350000

ENGLISH - 9811/1851 - ISSUE 11 - JAN 2010

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A4-3-Fastrac - Printed In England

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Safety Notices

Important Information

T1-042

The Operator Manual

⚠ WARNING

You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator Manual. You must understand and follow the instructions in the Operator Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

INT-1-4-2

Do not operate the machine without an Operator Manual, or if there is anything on the machine you do not understand.

Treat the Operator Manual as part of the machine. Keep it clean and in good condition. Replace the Operator Manual immediately if it is lost, damaged or becomes unreadable.

Safety Warnings



This safety alert system identifies important safety messages in this manual. When you see this symbol, be alert, your safety is involved, carefuly read the message that follows, and inform other operators.

In this publication and on the machine, there are safety notices. Each notice starts with a signal word. The signal word meanings are given below.

⚠ DANGER

Denotes an extreme hazard exists. If proper precautions are not taken, it is highly probable that the operator (or others) could be killed or seriously injured.

INT-1-2-1

⚠ WARNING

Denotes a hazard exists. If proper precautions are not taken, the operator (or others) could be killed or seriously injured.

INT-1-2-2

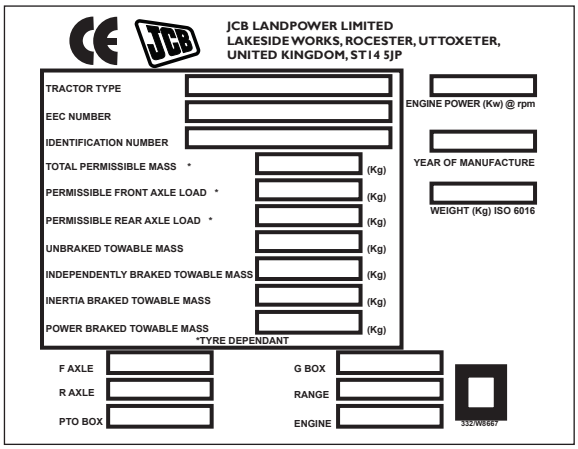
⚠ CAUTION

Denotes a reminder of safety practices. Failure to follow these safety practices could result in injury to the operator (or others) and possible damage to the machine.

INT-1-2-3

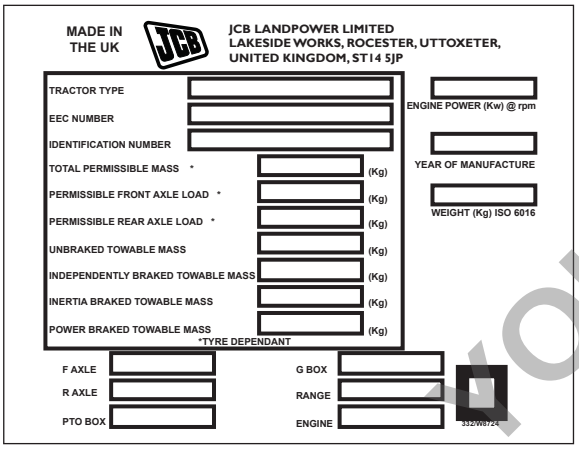
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C073810

Fig 6.



C073980

Fig 7.

Typical Product Identification Number (PIN)

1	2	3	4	5	6
JCB	27	G	40	E	00123456

1 World Manufacturer Identification (3 Digits)

2 Engine Type (2 Digits)

27 = QSB 6.7 (7230)
28 = QSB 6.7 (7200)
29 = QSB 6.7 (7170)
30 = QSB 6.7 (7270)

3 Transmission Type (1 Digit)

G = P-TRONIC Transmission

4 Vehicle Maximum Speed kph (2 Digits)

40 = 40kph

5 Check Letter (1 Digit)

The Check Letter is used to verify the authenticity of the machine's PIN.

6 Machine Serial Number (8 Digits)

Each machine has a unique serial number.

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Cab Layout

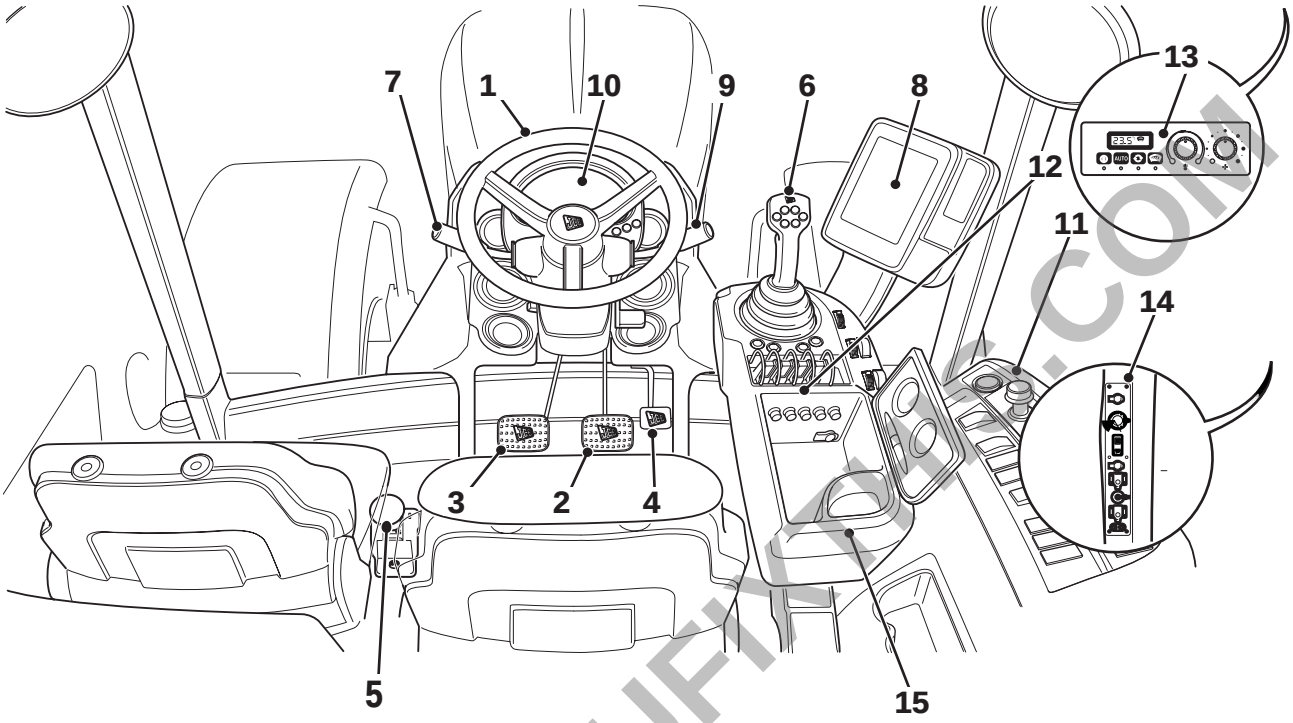


Fig 21.

1 Steering Wheel

2 Brake Pedal

Push down on the brake pedal to slow or stop the machine. The stop lights should operate when the brake pedal is applied. Do not operate the machine unless the stop lights work correctly.

3 Clutch Pedal

Note: *Do not rest your foot on either the clutch or brake pedal unless you are using these controls. Otherwise increased component wear may result.*

4 Accelerator Pedal

Gently depress the pedal to increase engine speed. Release to reduce the speed.

5 Park Brake Lever

Use this lever to engage the park brake before leaving the machine. With the park brake engaged, an indicator on the instrument panel will light.

A three-position lever is fitted. To engage, ⇨ ***Parking the Machine (82)***. To release, ⇨ ***Getting the Machine Moving (63)***.

⚠ DANGER

Leaving the machine in gear will not prevent it running away. Do not leave the driving seat under any circumstances unless the park brake is on.

13-2-1-10

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only be correct if the correct implement width has been entered. ⇨ *Table 3. (53)*

h Wheel slip (if radar fitted).

The wheel slip setting is controlled on the touch screen. ⇨ *Wheel Slip (156)* The wheel slip display on the front instrument panel shows the actual measured wheel slip. ⇨ *Wheel Slip Displays (54)*

i Fuel usage (in litres or US gallons per hour).

The average consumption over the last 2 minutes or over the last 5 seconds of operation.

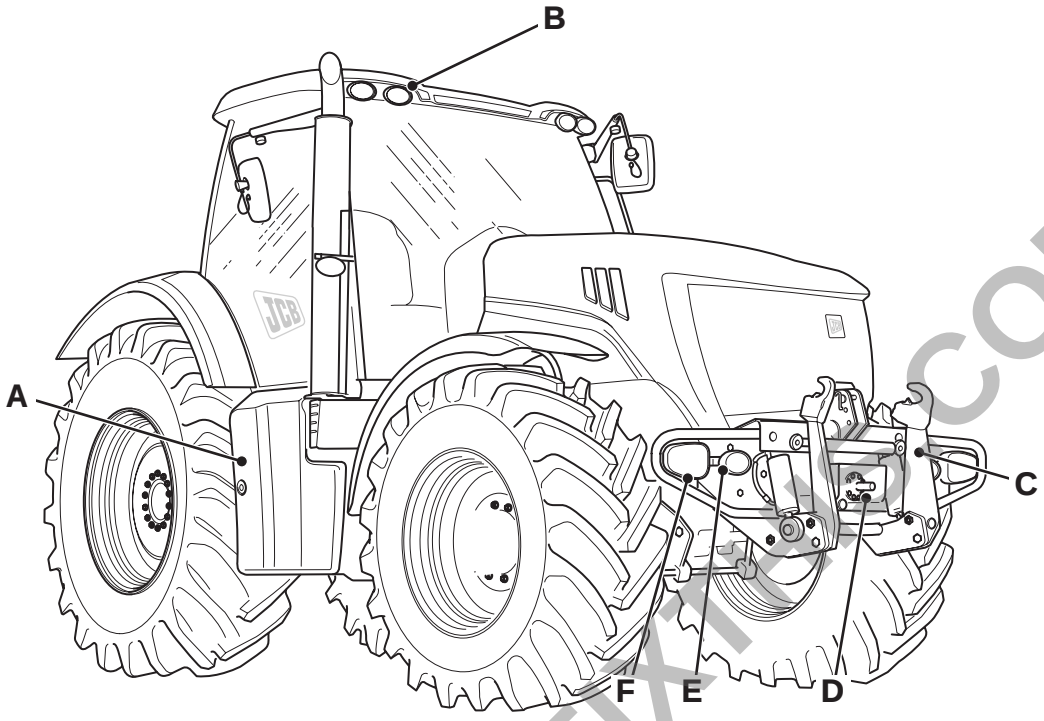
2 Press the Enter button **Z** then press the Up button **X** or Down button **Y** to select either the 'VEHICLE OPERATION' or 'VEHICLE SETTINGS' menu. These menus allow access to the various sub-menus as shown in the table. ⇨ *Table 3. (53)* You can then reset displays and select attributes such as whether the display is in metric or imperial.

Table 3.

Button	Menu	Sub-Menu	Choices
Enter	VEHICLE OPERATION	Trip measurement	Reset trip
			Trip fuel reset
		Implement Width	Set each digit of the display to show a maximum width of 50 metres.
		Dashboard	Dashboard dimming. Set the light level between 10 and 100% of maximum.
			High speed mode enable/disable.
		Area Worked	Select area worked in any one of 25 fields or select 'ALL' to display the total of all fields worked.
Enter	VEHICLE SETTINGS		
		Units setup	kph or mph
			metric, imperial or US gallons
		Clock setup	12 or 24 hour
			Time and Date
		Language	Select from the two languages available: Language 1 as set by the JCB Dealer or Language 2 which is always English.

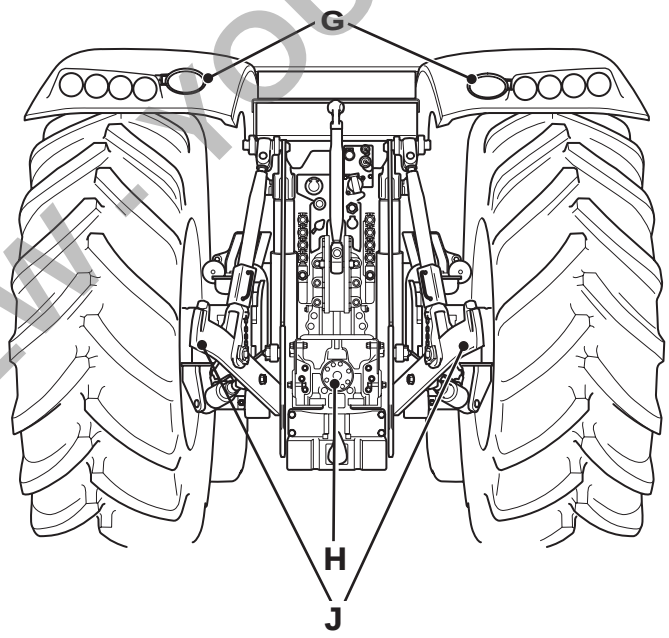
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C072500

Fig 2.



C075410-B18

Fig 3.

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A

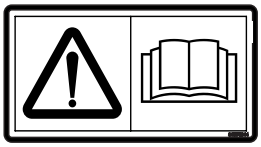


Description: Warning. Do not open the high pressure fuel system with the engine running. Engine operation causes high fuel pressure. High pressure fuel spray can cause serious injury or death.

ISO-01B

Part Number: 332/T2017

Description: Warning. Read the operator manual before you operate the machine.



332-T2017-2

ISO-04A

Part Number: 332-W8904

Description: Burns to fingers and hands. Stay a safe distance away.



332-W8904-1

ISO-04E

Part Number: 332/U9190

Description: Burns to fingers and hands. Stay a safe distance away.



332-U9190-1

ISO-05C

Part Number: 332/P7129

Description: Runover. Start the engine from the operator seat only. Do not short across the terminals.



332-P7129-1

ISO-06A

Part Number: 332/W7435

Description: Pressure hazard. Release all residual pressure before you start maintenance work on the part or system.



332-W7435-1

ISO-06B

Part Number: 332/P7131

Description: Pressure hazard. Refer to ***Cooling System (Routine Maintenance Section)***.

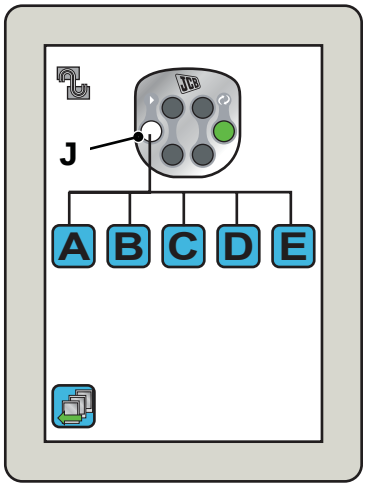


332-P7131-1

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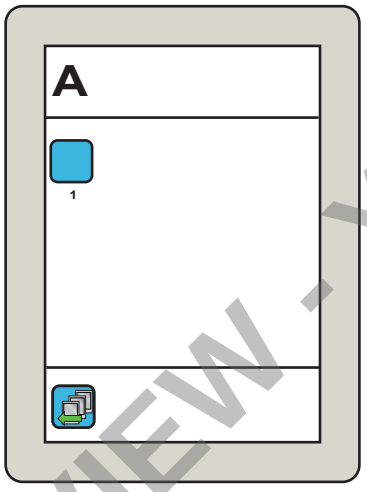
To Program an Example Sequence A



C070670

Fig 165.

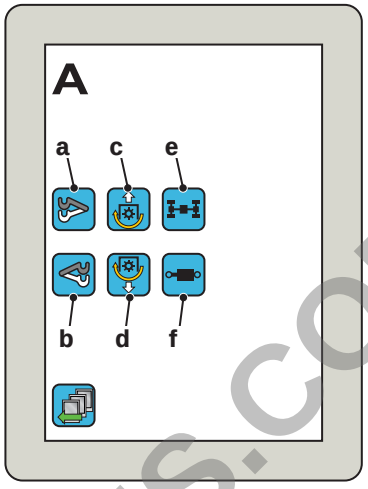
1 Press button **A**. ⇒ *Fig 165. (158)* The following screen will appear. ⇒ *Fig 166. (158)*



C070680

Fig 166.

2 This screen shows a blank square **1** for the first function of sequence **A**. Press the blank square and the Implement Menu will show the implements that you can select for the first function.⇒ *Fig 167. (158)*



C070690

Fig 167. Implement Menu

3 On this screen, press the relevant button to select one of the implements on the display

When you press a button on the implement menu the next screen will be a sub-menu to allow you to select one of the functions of that implement. ⇒ *Table 13. Implement Selection (159)*

Note: *These implement buttons are the same as those used to program the joystick buttons to control those implements and are used in the same way.* ⇒ *Fig 139. (143)*

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3 Avoid skin contact with oil soaked clothing.

4 Don't keep oily rags in pockets.

5 Wash dirty clothing before re-use.

6 Throw away oil-soaked shoes.

First Aid - Oil

Eyes

In the case of eye contact, flush with water for 15 minutes. If irritation persists, get medical attention.

Swallowing

If oil is swallowed do not induce vomiting. Get medical advice.

Skin

In the case of excessive skin contact, wash with soap and water.

Spillage

Absorb on sand or a locally approved brand of absorbent granules. Scrape up and remove to a chemical disposal area.

Fires

⚠ WARNING

Do not use water to put out an oil fire. This will only spread it because oil floats on water.

Extinguish oil and lubricant fires with carbon dioxide, dry chemical or foam. Fire fighters should use self contained breathing apparatus.

7-3-1-3_1

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Pre-start Cold Checks, Service Points and Fluid Levels

	Operation	10 Hr	50 Hr	100 Hr(1)	500 Hr	1000 Hr	2000 Hr	5000 Hr
ENGINE								
Oil level	- Check	☐	☐					
Oil and Filter(2)(3)	- Change			☐	☐	☐	☐	☐
Air Cleaner Outer Element(3)	- Change					☐	☐	☐
Air Cleaner Inner Element(3)	- Change						☐	
Air Cleaner Hose and Clamp Security	- Check	☐	☐	☐	☐	☐	☐	☐
Air Compressor Mountings(4)	- Check				☐	☐	☐	☐
Air Compressor Discharge Lines(4)	- Check						☐	
Fuel Pre-filter	- Drain	☐	☐					
Fuel Pre-filter (3)	- Change	☐	☐	☐	☐	☐	☐	☐
Fuel Filter (3)	- Change				☐	☐	☐	☐
Coolant Level	- Check	☐	☐	☐	☐	☐		
Coolant Antifreeze and Coolant Additive Concentration(4)	- Check			☐	☐	☐	☐	☐
Coolant	- Change						☐	
Fan Belt Condition	- Check	☐	☐	☐	☐	☐	☐	☐
Fan Hub(4)	- Check					☐	☐	☐
Fan Belt Tensioner Condition(4)	- Check					☐	☐	☐
Vibration Damper(4)	- Check						☐	
Valve Clearances(4)	- Check and Adjust							☐
Crankcase Breather Tube	- Check	☐	☐	☐	☐	☐	☐	☐
Engine Mounting Bolts for Tightness(4)	- Check						☐	
Fuel Injection Pump Mounting Bolts for Tightness(4)	- Check				☐	☐	☐	☐
Radiator and Coolers	- Clean	☐	☐	☐	☐	☐	☐	☐
Charge Air Cooler Hose and Clamp Security	- Check	☐	☐	☐	☐	☐	☐	☐
Charge Air Cooler	- Check				☐	☐	☐	☐
Turbocharger(4)	- Check					☐	☐	☐
Engine	- Steam Clean						☐	

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Entering and Leaving the Cab - Door and Windows

⚠ DANGER

Leaving the machine in gear will not prevent it running away. Do not leave the driving seat under any circumstances unless the park brake is on.

13-2-1-10

⚠ WARNING

Entering/Leaving

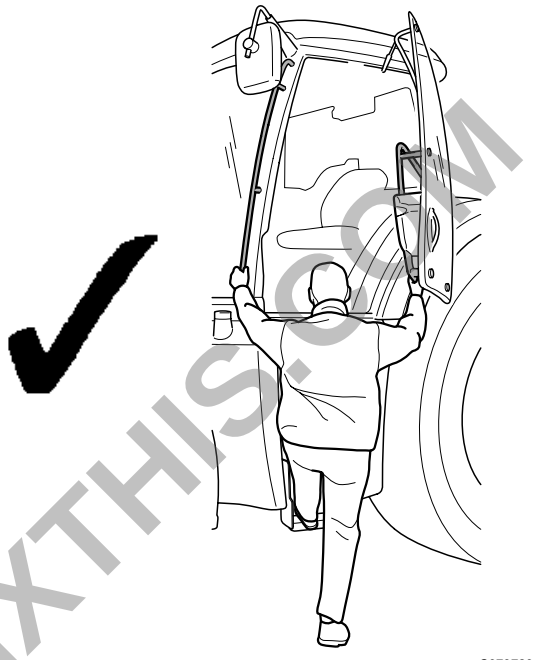
Entering or leaving the cab or canopy must only be made where steps and handrails are provided. Always face the machine when entering and leaving. Make sure the step(s), handrails and your boot soles are clean and dry. Do not jump from the machine. Do not use the machine controls as handholds, use the handrails.

INT-2-1-7_1

Make sure the machine is stopped and correctly parked before entering or leaving the cab. When you get on and off the machine always maintain a three point contact with the handrails and step. If you are unable to reach the handrails on the cab frame, use the handrail on the inside of the door.

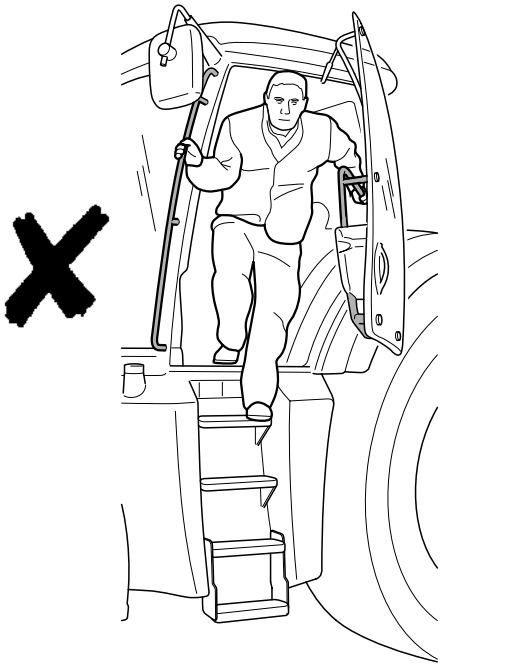
Important: *Do not use the gas strut, machine controls or steering wheel as a hand-hold.*

To leave the cab, climb down backwards, holding both the handrails and placing your feet firmly on the steps. Do not jump out of the machine.



C073720

Fig 15.



C073730

Fig 16.

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