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

GROUNDHOG 6X4

ENGLISH - 9811/9150 - ISSUE 1 - NOV 2009

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A5-2-CompactGC - 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.

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Typical Product Identification Number Data Plate

Code	A	B	C	D	E
Example	SLP	GH6x4	8	E	1157000

A World Manufacturer Identification SLP = JCB

B Machine Model GH6X4

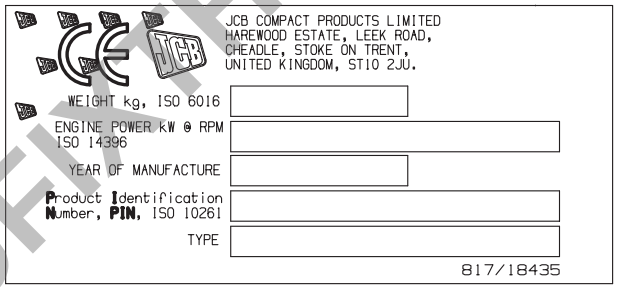
C Year of Manufacture

8 = 2008 9 = 2009

D Manufacturer's Location E = England

E Machine Serial Number 1444000

The PIN data plate is attached to the rear of the chassis at the top, on the right hand side.



T030780

Fig 5. Later models

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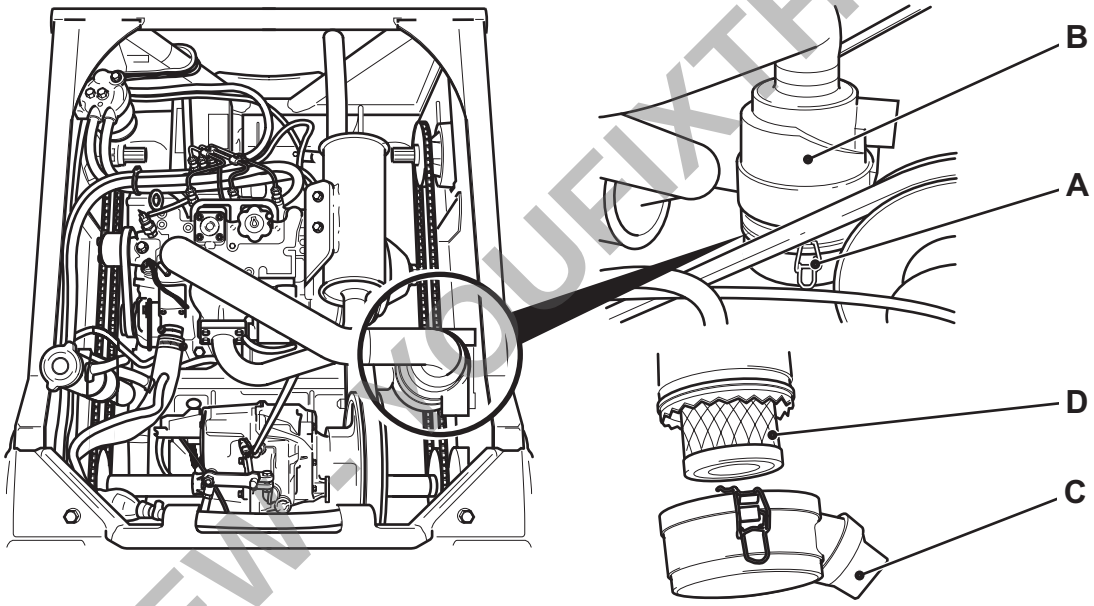


Fig 34.

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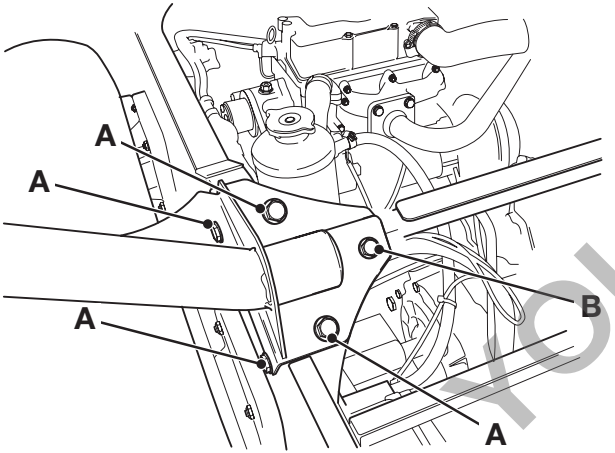


Fig 27.

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Specifications

Static Dimensions

A	Overall Length	2801 mm	110.3 in.
B	Overall Height (No ROPS)	1179 mm	46.4 in.
C	Minimum Ground Clearance	196 mm	7.6 in.
D	Overall Width (At Rear Wheels)	1514 mm	59.6 in.
E	Wheel Base (Front-Rear)	2078 mm	81.8 in.
F	Wheel Track Front	1265 mm	49.8 in.
G	Wheel Track Rear	1210 mm	47.6 in.
H	Overall Height (With ROPS (Excluding Ancillaries)	1963 mm	77.2 in.

Total Machine Weight Without ROPS	630 kg	1388 lb
Total Payload With Operator	650 kg	1433 lb
Towing Capacity	500 kg	1100 lb

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Fluids, Lubricants and Capacities

Table 1.

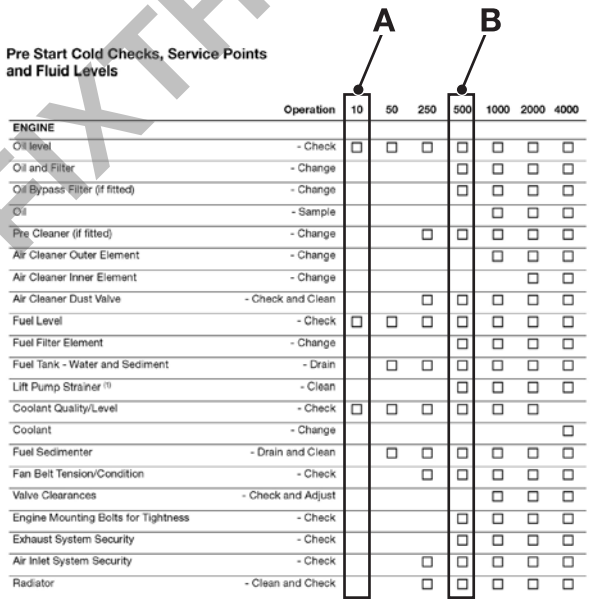
ITEM	CAPACITY Litres (Gal)	FLUID/LUBRICANT	INTERNATIONAL SPECIFICATION
Fuel Tank	20 (4.4)	Diesel Oil (refer to ***Types of Fuel***)	ASTM D975-66T Nos. 1D, 2D
Engine (Oil) First 100 hours only	3.05 (0.67) (plus filter qty.)	JCB 10W/30 Multigrade above 5 °F (above -15 °C)	MIL-L-46152, API CC/SF
First 100 hours only		5W/20 5 °F to -13 ° F (-15 °C to -25 °C)	API CC/SE (recommended)
After 1st 100 hours		JCB 15W/40 Multigrade above 14 °F (above -10 °C)	SAE 15W/40, MIL-L-46152B AP1 CD/SE MIL-L2104D
After 1st 100 hours		5W/20 14 °F to -13 °F (-10 °C to -25 °C)	AP1 CC/SE or API CD/SE
Engine (Coolant)	10 (2.2)	JCB High Performance Antifreeze and Inhibitor/Water.	ASTM D6210
Transaxle	4.5 (0.99)	JCB Super Universal Agricultural	API-GL4, MIL-L-2105
Grease Points		JCB HP Grease	Lithium complex NLGI No.2 consistency including extreme pressure additives
Drivechain Lubricant	15 (3.3)	JCB Chain Oil	

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How to Use the Service Schedules

T3-012_2

In the example shown, **A** shows all service requirements to be carried out every 10 hours and **B** shows the requirements to be carried out every 500 hours.

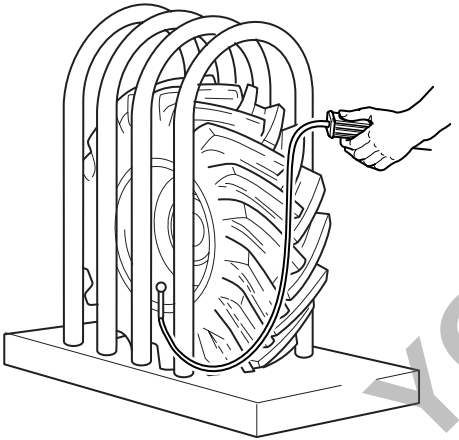


Pre Start Cold Checks, Service Points and Fluid Levels

	Operation	10	50	250	500	1000	2000	4000
ENGINE								
Oil level	- Check	☐	☐	☐	☐	☐	☐	☐
Oil and Filter	- Change				☐	☐	☐	☐
Oil Bypass Filter (if fitted)	- Change				☐	☐	☐	☐
Oil	- Sample					☐	☐	☐
Pre Cleaner (if fitted)	- Change			☐	☐	☐	☐	☐
Air Cleaner Outer Element	- Change					☐	☐	☐
Air Cleaner Inner Element	- Change						☐	☐
Air Cleaner Dust Valve	- Check and Clean			☐	☐	☐	☐	☐
Fuel Level	- Check	☐	☐	☐	☐	☐	☐	☐
Fuel Filter Element	- Change				☐	☐	☐	☐
Fuel Tank - Water and Sediment	- Drain		☐	☐	☐	☐	☐	☐
Lift Pump Strainer [1]	- Clean				☐	☐	☐	☐
Coolant Quality/Level	- Check	☐	☐	☐	☐	☐	☐	
Coolant	- Change							☐
Fuel Sedimenter	- Drain and Clean		☐	☐	☐	☐	☐	☐
Fan Belt Tension/Condition	- Check			☐	☐	☐	☐	☐
Valve Clearances	- Check and Adjust					☐	☐	☐
Engine Mounting Bolts for Tightness	- Check				☐	☐	☐	☐
Exhaust System Security	- Check				☐	☐	☐	☐
Air Inlet System Security	- Check			☐	☐	☐	☐	☐
Radiator	- Clean and Check			☐	☐	☐	☐	☐

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A089570-1

Fig 49.

Checking the Wheel Nut Torques

⚠ WARNING

If, for whatever reason, a wheel stud is renewed, all the studs for that wheel must be changed as a set, since the remaining studs may have been damaged.

2-3-2-8

On new machines, and whenever a wheel has been removed, check the wheel nut torques every two hours until they stay correct.

Every day, before starting work, check that the wheel nuts are tight.

The correct torques are shown in the table below.

Table 4.

Front		Centre		Rear	
Nm	**lbf ft**	**Nm**	**lbf ft**	**Nm**	**lbf ft**
74	54	100	74	100	74

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Operation

Introduction

T2-006_2

The aim of this part of the manual is to guide the operator step-by-step through the task of learning how to operate the machine efficiently and safely. Read the ***Operation*** section through from beginning to end.

Before you start the machine, you must know how the machine operates. Use your manual to identify each control lever, switch, gauge, button and pedal. Do not guess. If there is anything you do not understand, ask your JCB distributor.

The operator must always be aware of events happening in or around the machine. Safety must always be the most important factor when you operate the machine.

When you understand the operating controls, gauges and switches, practice using them. Drive the machine in an open space, clear of people. Get to know the 'feel' of the machine and its driving controls.

Finally, do not rush the job of learning, make sure you fully understand everything in the ***Operation*** section. Take your time and work efficiently and safely.

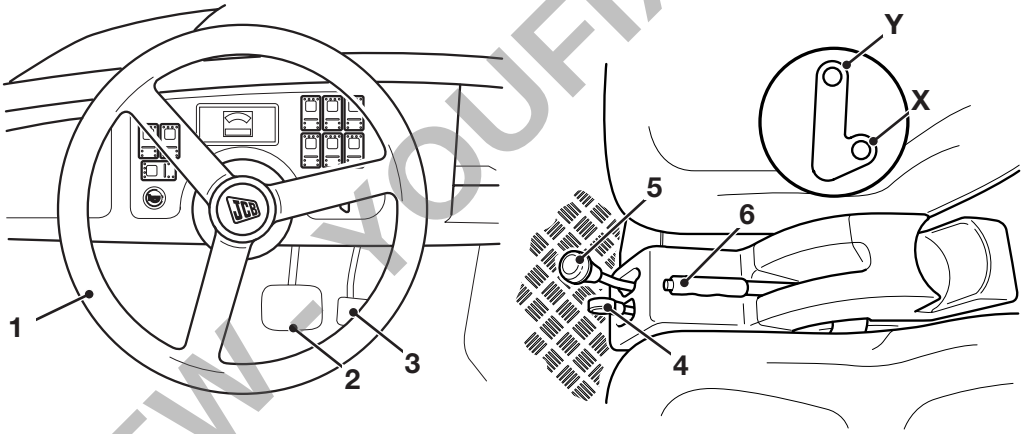
Remember

BE CAREFUL
BE ALERT
BE SAFE

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Cab Layout

Component Key



T016280

Fig 14.

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