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Safety Notices

Introduction

⚠ WARNING

Study the Operator Manual before starting the machine. You must understand and follow the instructions in the Operator Manual. You must observe all relevant laws and regulations. If you are unsure about anything, ask your JCB dealer or employer. Do not guess, you or others could be killed or seriously injured.

INT-1-1-1_2

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

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Operation

Introduction

T2-006

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 starting the machine, sit in the drivers seat and familiarise yourself with the layout of the cab. 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 outside the cab as well as inside the cab. Safety must always be the most important feature when operating the machine.

When you have familiarised yourself with 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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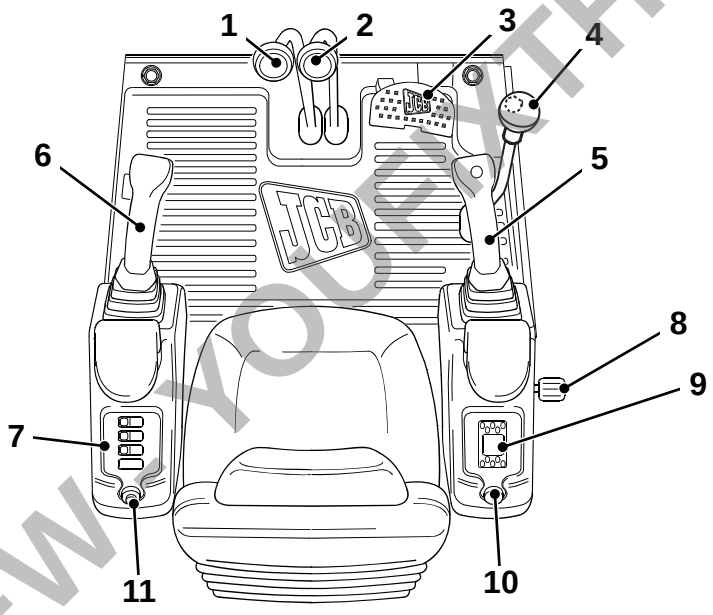


Fig 10.

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Routine Maintenance

Service Requirements

Introduction

T3-002

Your machine has been designed and built to give maximum performance, economy and ease of use under a wide variety of operating conditions. Prior to delivery, your machine was inspected both at the Factory and by your Distributor to ensure that it reaches you in optimum condition. To maintain this condition and ensure trouble free operation it is important that the routine services, as specified in this Manual, are carried out by an approved JCB Distributor at the recommended intervals.

This section of the Manual gives full details of the service requirements necessary to maintain your JCB machine at peak efficiency.

It can be seen from the Service Schedules on the following pages that many essential service checks should only be carried out by a JCB trained specialist. Only JCB Distributor Service Engineers have been trained by JCB to carry out such specialist tasks, and only JCB Distributor Service Engineers are equipped with the necessary special tools and test equipment to perform such tasks, thoroughly, safely, accurately and efficiently.

JCB regularly updates its Distributors advising them of any product developments, changes in specifications and procedures. Therefore only a JCB Distributor is fully able to maintain and service your machine.

A Service Record Sheet or Book is provided which will enable you to plan your service requirements and keep a service history record. It should be dated, signed and

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Pre Start Cold Checks, Service Points and Fluid Levels

	Operation	10	50	100	500	1000	2000
ENGINE							
Oil level	- Check	☐	☐	☐	☐	☐	☐
Oil and Filter	- Change				☐	☐	☐
Air Cleaner Element (Dusty Conditions only)	- Change				☐	☐	☐
Air Cleaner Outer Element	- Change					☐	☐
Air Cleaner Hose Security	- Check and Adjust		☐	☐	☐	☐	☐
Fuel Injectors(1)	- Clean and Test						☐
Coolant Quality/Level	- Check	☐	☐	☐	☐	☐	☐
Coolant	- Change						☐
5 Micron Primary Fuel Sedimenter	- Drain and Clean			☐	☐	☐	☐
5 Micron Primary Fuel Filter/Sedimenter Element	- Change					☐	☐

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Fluids, Lubricants and Capacities

Note: *New engines do not require a running in period. The engine/machine should be used in normal work cycle immediately; glazing of the piston cylinder bores, resulting in excessive oil consumption, could occur if the engine is gently run in. Under no circumstances should the engine be allowed to idle for extended periods; (e.g. warming up without load). Engines of new machines are filled at the factory with JCB 10w/30 Multigrade oil. This oil should be drained after the first 100 hours operation and the engine filled with the appropriate recommended grade as shown below. JCB 10W/30 should also be used for the first 50 hours operation whenever a new or reconditioned engine is fitted to the machine. After the first 100 hours it is essential that the 10W/30 oil is replaced by the lubricant recommended below.*

Table 2.

Item	Capacity Litres (UK Gal)	Fluid / Lubricant	International Specification
Fuel Tank	70 (15.4)	Diesel Oil	⇨ *Types of Fuel (🗋 170)*
Engine Oil (first 500 hours only)	9.6 (2.10)	JCB 10W/40 Super Multigrade above -15°C (above 5°F)	API CF4/SG
		5W/20 -15°C to -25°C (5°F to 13°F)	
Engine Oil		JCB 15W/40 Multigrade	SAE 15W/40, MIL-L-46152B

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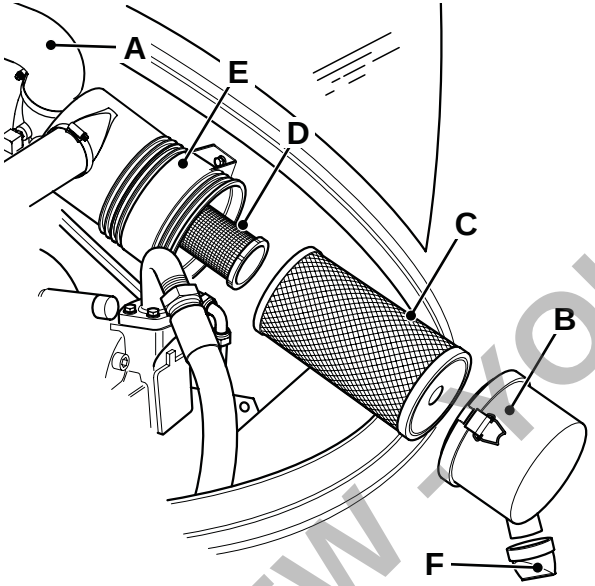


Fig 13.

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Transporting the Machine

P11-2003-2

Preparing for Road Travel

Before loading the machine on to its trailer remove all loose dirt that may otherwise come off and obstruct the highway and damage other vehicles.

Note: *Before transporting the machine make sure you will be obeying the local rules and laws regarding machine transportation of all the areas that the machine will be carried through.*

Make sure that the transporting vehicle is suitable. See ***Maintenance Section*** for the dimensions and weight of your machine. There is a travel height label fitted to the cab.

Try to make sure that the truck driver knows the clearance height before he drives away. See ***Specification Section*** for machine height figures.

Note: *The transport position height does not include the truck/trailer height, add the two figures together for the clearance height.* ⇨ ***Fig 36. (105)***.

⚠ WARNING

Low speed must always be selected when unloading the machine from a vehicle or tracking down steep slopes. The machine will take longer to stop when the levers are released if high speed is selected.

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		8056
A	Max. digging height	5767 mm (18 ft 11 in)
B	Max. dumping height	4059 mm (13 ft 4 in)
C	Max. vertical digging depth	2512 mm (8 ft 3 in)
D	Max. digging depth (dozer up)	3960 mm (13 ft 0 in)
E	Max. reach (ground level)	6085 mm (20 ft 0 in)
F	Blade cut above ground	349 mm (1 ft 2 in)
G	Blade cut below ground	435 mm (1 ft 5 in)

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Moving a Disabled Machine

CAUTION

Do not tow a disabled machine. Permanent damage to the track motors will occur if the machine is towed.

8-2-9-23

If the machine becomes disabled, it must not be towed or otherwise moved on its tracks. The machine should be made safe, lifted onto a transporter and moved to a location where maintenance can be carried out.

Equipment used must be capable of lifting 7 tonne.

Lifting points have been provided on the machine. ⇨ *Fig 34. (🗋 99)*

1 On each end of the dozer blade at points **A**.

2 On each side of the boom at points **B**.

Note: *Ensure the slings do not interfere with the cab or the condenser. It may be necessary to use a spacer bar between the slings at* ***C****.*

CAUTION

Do not lift the machine by the extended dozer (if fitted), remove the extensions before lifting. Ensure the lifting slings do not interfere with the top of the cab, damaging the top glazing. It may be necessary to remove the FOGS guard (if fitted).

8-2-9-24

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