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Safety Notices

Important Information

T1-015

The Operator Manual

⚠ 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

Do not operate the machine without an Operator Manual.

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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Pin Identification Number

The information contained on this plate is the PIN, Serial Number, Weight in kg, Year of Manufacture and Engine Power in kW. ⇨ *Fig 7. (🗋 35)*.

The manufacturer's name and serial number are printed on the gearbox.

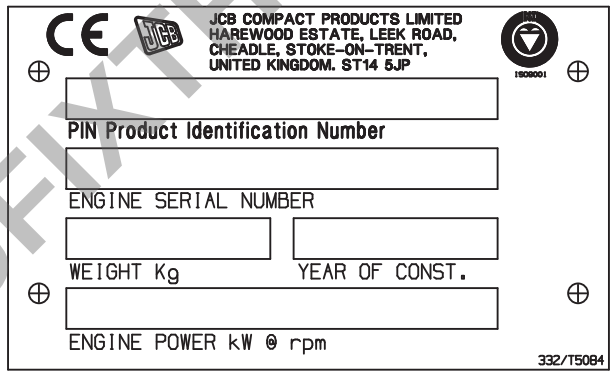


Fig 7.

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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.

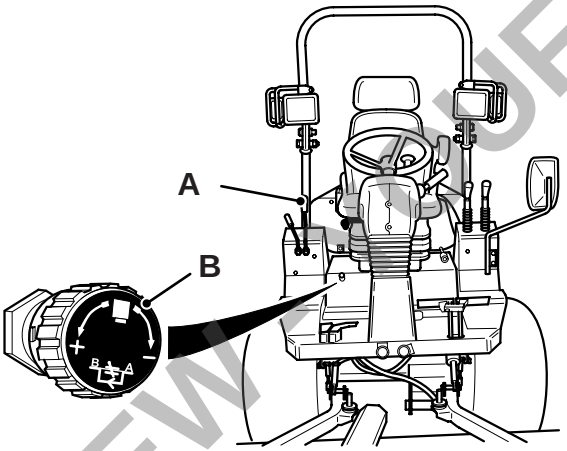
Remember

- **BE CAREFUL**
- **BE ALERT**
- **BE SAFE**

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Machine Layout

Component Key



V016770

Fig 6.

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Symptom	Problem	Correction
Engine Loses Power or Hydrostat System Overheats	Hydrostatic oil reserve too low.	Refill reservoir.
	Pump or motor damaged.	Contact JCB Dealer.
	Hydrostatic oil reservoir blowing oil out of cap.	Overfill or water contaminated.
Loss of Power or System Will Not Operate in Either Direction	Restrictions in air cleaner.	Service air cleaner.
	Poor compression.	Contact JCB Dealer.
	Steering linkage needs adjustment.	Contact JCB Dealer.
	Pump belt broken or worn	Replace belt.
	Pump belt off of pulley.	Reinstall belt on pulley.
Engine Overheating	Air intake grille clogged.	Service air intake grille.
	Cooling fins on radiator clogged.	Clean radiator fins.

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2 Set the throttle to the required engine speed.

3 Move the Machine

a Engage the appropriate gear (low for site operations, high for road use).

b Press the forward pedal to move forwards; press the reverse pedal to move backwards.

Travelling on Slopes

⚠ WARNING

Failure to observe these precautions may cause the machine to become unstable and in extreme circumstances will overturn with potential serious injury to the operator.

HOP64

Always work up and down slopes, never across the slope.

Do not use the machine on slopes greater than 14°.

Uneven Terrain

Pre-plan mowing over uneven terrain so the grass will be dry, minimizing wheel slippage and spinning, which will damage the turf.

Pass diagonally through sharp dips. Avoid sharp drop offs completely to prevent "scalping the ground" with the mower.

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Mower Troubleshooting

The following troubleshooting guide is for the cutting deck and its drive. This assumes the mower engine is running to prescribed specifications. Consult the mower repair reference for all system checks.

Before attempting repair or test, observe the general condition of the mower. Make certain the mower is operating properly and is setup correctly. The following information may give you some hints in what to look for when attempting to solve a problem with the mower. If the problem cannot be easily solved, contact your JCB dealer.

Symptom	Problem	Correction
Excessive Vibration.	Loose spindle/blade fasteners.	Torque again or replace as necessary.
	Blade interference with grass buildup in cutting deck.	Clean the underside of the cutting deck.
	Blade(s) broken or worn badly.	Replace mowing blade(s).
	Engine mounting bolts are loose.	Tighten the engine mounting bolts.
Uneven Cutting Height.	Blades blunt.	Sharpen or replace blades.
	Cutting blade(s) is/are bent.	Install new cutting blades.
	Cutting deck is not level.	Level the cutting deck.

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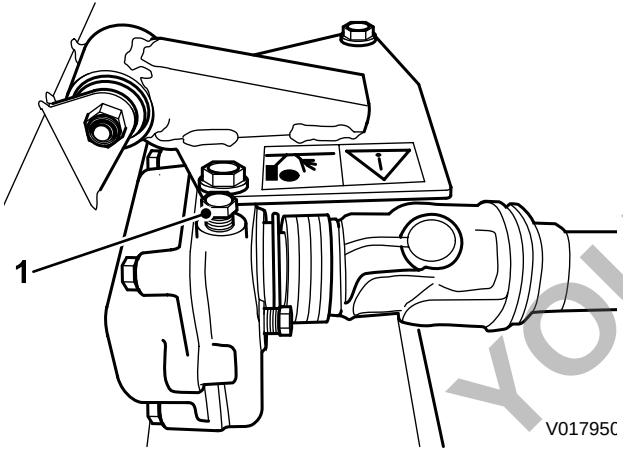


Fig 41.

Change the gearbox oil

Note: *The cutting deck is difficult to move, make sure that two people do this procedure.*

Remove the plug **1**.

Turn the cutting deck upside-down and drain the oil through the plug **1**.

When the oil has fully drained, turn the cutting deck over and fill with the correct quantity of specified oil.

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3 The trailer or truck should be parked as level as possible to facilitate smooth loading of the machine.

Transporting the Machine

Use a heavy duty trailer or truck to transport the machine. Make sure the trailer or truck has all of the necessary lighting and markings as required by law.

When transporting the machine, make sure that the wheels have been blocked, the machine has been securely fastened by cables, chains or ropes, and the trailer has been secured to the towing vehicle with safety chains.

Using the Machine on the Road

Driving on a public street or roadway without turn signals, slow moving machine emblem, or reflective markings could lead to accidents causing serious personal injury or death.

If the machine is to be driven between work sites on roads, the following steps must be taken:

1 Engage high gear.

2 The cutting deck must be raised to its maximum lift height, with the lift controls locked in the raise position.

3 The hydraulic controls for lifting the cutting deck must be protected and locked in a resting position.

4 The flashing beacon light must always be on even when it is not obligatory to use lights and visual warnings.

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Fluids, Lubricants and Capacities

Table 1.

Item	Capacity Litres	Fluid / Lubricant	International Specification
Fuel Tanks	50 litres (11 gal)	Diesel Oil	⇨ *Types of Fuel (141)*.
Engine (Oil)	5.5 litres (1.2 gal)	JCB Super Multigrade Engine Oil 15W40 (4001/1500)	SAE15W/40, API CD-SF or MIL-L-2104D
Hydraulic/Transmission (Oil)	10 litres (2.2 gal)	JCB Gear Oil HP Plus (4000/2200)	Agip ROTRA JD/F SAE 80W Spec: API GL-4
Rear axle (Oil)	3.3 litres (0.7 gal)	JCB Gear Oil EP 80W90 (4004/6300)	Agip ROTRA MP 80W/90
Engine Coolant	6 litres (1.3 gal)	JCB Universal Antifreeze/water. ⇨ *Coolant Mixtures (103)*.	ASTM D3306-74
Grease		JCB EP MPL Moly Grease (4003/1312)	Agip Grease 30
Deck Gearbox Oil (1.5/ 1.8m)	0.6 litres (0.132 gal)	JCB Gear Oil EP 85/140	API GL-S

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Service Schedules

Introduction

A poorly maintained machine is a hazard. Doing the regular maintenance and lubrication jobs listed in these schedules will help keep the machine in safe running order.

⚠ WARNING

Maintenance must be done only by suitably qualified and competent persons.

Before doing any maintenance make sure the machine is safe, it should be correctly parked on level ground.

To prevent anyone starting the engine, remove the starter key. Disconnect the battery when you are not using electrical power. If you do not take these precautions you could be killed or injured.

8-3-1-1

Apart from the daily jobs, the schedules are based on machine running hours. Keep a regular check on the hour meter reading. Do not use a machine which is due for a regular service. Rectify any defects found during regular maintenance before clearing the machine for use.

Calendar equivalents:

Every 10 Hours	=	Daily
Every 50 Hours	=	Quarterly
Every 200 Hours	=	12 Months
Every 300 Hours	=	18 Months
Every 400 Hours	=	24 Months

All jobs should be marked and logged.

Note: *Original copy to customer, Photocopy to distributor.*

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