OPERATOR'S MANUAL



TELETRUK 2.5, 3.0, 3.5

9821/0550-5 DEC 2016
ENGLISH

This manual should always stay with the machine

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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, carefully 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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Introduction

About This Manual

Machine Model and Serial Number

This manual provides information for the following model(s) in the JCB machine range:

- Teletruk Tier 3 Machines:
- Teletruk 2.5D, 3.0D, from SN 1539000 Onwards
- Teletruk 3.0D 4x4, from SN 1539000 Onwards
- Teletruk 3.5D, from SN 1539000 Onwards
- Teletruk 3.5D 4x4, from SN 1539000 Onwards
- Teletruk 3.0 D High Lift, from SN 1539000 Onwards

Where **D** indicates Diesel and **G** indicates Liquid Petroleum Gas (LPG).

Using this Manual

T1-044

This manual is arranged to give you a good understanding of the machine and its safe operation. It also contains maintenance information and specification data. Read this manual from front to back before using the machine for the first time. Particular attention must be given to all the safety aspects of operating and maintaining the machine.

If there is anything you are not sure about, ask your JCB distributor or employer. Do not guess, you or others could be killed or seriously injured.

General warnings in this chapter are repeated throughout the book, as well as specific warnings. Read all the safety statements regularly, so you do not forget them. Remember that the best operators are the safest operators.

The illustrations in this manual are for guidance only. Where the machines differ, the text and or the illustration will specify.

This manual contains original instructions, verified by the manufacturer (or their authorised representative).

The manufacturer's policy is one of continuous improvement. The right to change the specification of the machine without notice is reserved. No responsibility will be accepted for discrepancies which may occur between specifications of the machine and the descriptions contained in this publication.

All optional equipment included in this manual may not be available in all territories.

Left Side, Right Side

In this manual, 'left' **A** and 'right' **B** mean your left and right when you are seated correctly in the machine.

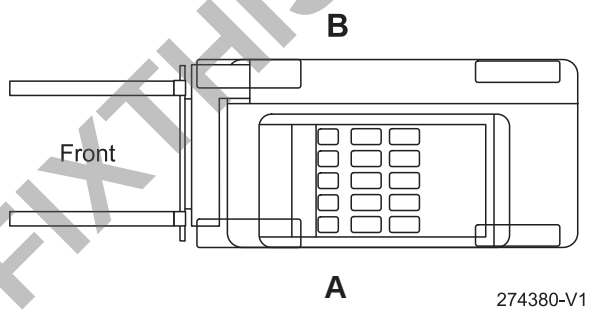


Fig 1.

Cab/Canopy

T1-003_2

This manual frequently makes references to the cab. For instance, 'do not operate the machine without a manual in the cab'. It should be noted that these statements also apply to canopy build machines.

Cross References

T1-004_2

In this publication, page cross references are made by presenting the subject title printed in bold, italic and underlined. It is preceeded by the 'go to' symbol. The number of the page upon which the subject begins, is indicated within the brackets. For example: ***Cross References (3)***.

Differential Lock Selection (3.5D 4x4 Only)

Differential lock should be selected only when operating conditions make it necessary, for example ramping or

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Component List

The major components of the Teletruk are:

- **A** Operators Enclosure.
- **B** Boom.
- **C** Daily Inspection Cover.
- **D** Counterweight.
- **E** Steering Axle.
- **F** Transmission Oil Tank (Left Side) and Diesel Fuel Tank (Right Side).
- **G** Seat and Seat belt.
- **H** Front Drive Motors.
- **J** Carriage and Forks.
- **K** Load Moment Indicator.
- **L** Battery Isolator.
- **M** Rear Drive Motors (4x4 Machines Only).

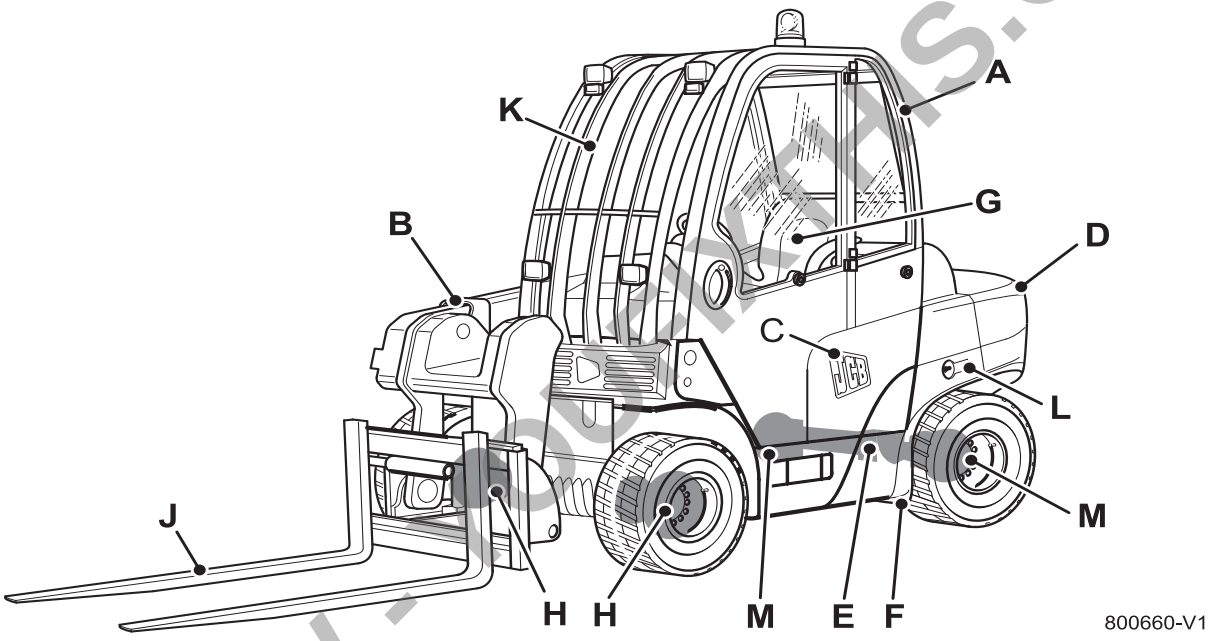


Fig 3.

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Diagnostic Fault Codes

When the system detects a fault, the audible alarm will sound and various combinations of lights on the display will indicate a fault code for approximately 10 seconds.

The audible alarm and the fault code display cancel after 10 seconds and all LEDs on the display will flash continuously as long as the fault remains. Press and release display button **E** to show the fault code for a further 10 seconds.

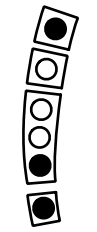
When the fault clears, the display will return to normal.

⚠ WARNING

If the Load Moment Indicator is faulty, contact your JCB Distributor. Do not try to repair it yourself.

12-2-1-1

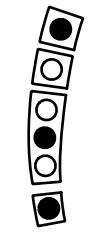
If any of these fault codes are displayed, switch the starter key off and on again. Contact your JCB distributor if the fault does not clear.



325591-V1

Error Code 1 - Transducer signal fault

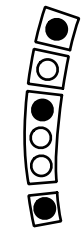
Transducer disconnected or wiring damaged.



325592-V1

Error Code 2 - Calibration out of range

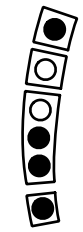
System is incorrectly calibrated.



325593-V1

Error Code 3 - Calibration required

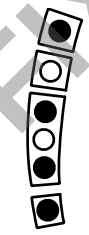
System not calibrated.



325594-V1

Error Code 4 - Display unit faulty

The display box has detected an internal error.



325595-V1

Error Code 5 - Low battery voltage

Battery voltage is below 9 Volts.

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Optional Attachments

Introduction

T4-002_3

⚠ WARNING

Use only the JCB approved attachments that are specified for your machine. Operating with non-specified attachments can overload the machine, causing possible damage and machine instability which could result in injury to yourself or others.

The use of non-approved attachments could invalidate your warranty.

2-4-5-2_1

⚠ CAUTION

If you have an attachment which is not covered in the Operator Manual do not install it, use it or remove it until you have obtained, read and understood the pertinent information. Install attachments only on the machines for which they were designed.

5-5-1-1_2

A wide range of optional attachments are available to increase the versatility of your machine. Only JCB approved attachments are recommended for use with your machine. Consult your JCB Distributor for the full list of approved attachments available.

This part of the manual includes general information on attachment operation and instructions for installation and removal of attachments.

Some attachments are supplied complete with instructions on safety, installing and removing, operation and maintenance. Read and fully understand the information before fitting, using and servicing the attachment. If there is anything you do not understand, ask your JCB Distributor.

Before using any attachment, read again ***Working With The Machine*** in the Operation section and consider how the attachment is going to affect operational safety. With the attachment fitted, there may be changes in the machine's centre of gravity or overall dimensions. This could have an effect on, for example, machine stability, the gradients on which it is safe to operate or the safe distance from power lines.

Practice using attachments off the job before working with them for the first time.

JCB attachments are designed and manufactured specifically to suit the machine's hydraulic system, mounting arrangements and safe load requirements. Attachments which are not designed for use with this machine may cause damage and create safety hazards for which JCB cannot be held responsible. In addition the machine's warranty and any other legislative compliance may be affected by the use of non JCB approved attachments.

If your machine needs the hydraulic system adapting to facilitate the use of auxiliary attachments, you must consult your distributor. Only suitably qualified personnel must re-route hydraulic hoses.

All optional attachments will have limits on their operation. i.e. lifting capacity, speeds, hydraulic flow rates, etc. Always check in the literature supplied with the attachment or in the Specification section of this manual. Some specification limits may also be displayed on the attachments Data/Rating Plate.

⚠ CAUTION

Some attachments may contact parts of the machine when in the fully folded position. Take extra care to avoid damage to the machine.

3-4-1-4

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Routine Maintenance

Service Requirements

Introduction

T3-095

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.

A Service Manual for your machine is available from your JCB Distributor. The Service Manual contains information on how to repair, dismantle and assemble your machine correctly.

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 stamped by your Distributor each time your machine is serviced.

Remember, if your machine has been correctly maintained, not only will it give you improved reliability but its resale value will be greatly enhanced.

Owner/Operator Support

JCB together with your Distributor wants you to be completely satisfied with your new JCB machine. If you do encounter a problem however, you should contact your Distributor's Service Department who are there to help you!

You will have been given the names of the relevant service contacts at your Distributor when the machine was installed.

To get the most from your Distributor please help them to satisfy you by:

1 Giving your name, address and telephone number.

2 Quoting your machine model and serial number.

3 Date of purchase and hours of work.

4 Nature of the problem.

Remember, only your JCB Distributor has access to the vast resources available at JCB to help support you. In addition, your Distributor is able to offer a variety of programmes covering Warranty, Fixed Price Servicing, Safety Inspections, including weight tests, covering both legal and insurance requirements.

Service/Maintenance Agreements

To help plan and spread the costs of maintaining your machine, we strongly recommend you take advantage of the many Service and Maintenance Agreements your Distributor can offer. These can be tailor made to meet your operating conditions, work schedule etc.

Please consult your JCB Distributor for details.

Fit for Purpose Tests for Lifting Equipment

T3-097

All lifting equipment (for example forks, lifting hooks and shackles) need regular inspection and testing by a competent person to ensure they are fit for purpose.

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Pre-start Cold Checks, Service Points and Fluid Levels

	Operation	10	50	500	1000	2000	5000
ENGINE							
Engine coolant level.	- Check	☐	☐	☐	☐	☐	
Engine oil level.	- Check	☐	☐	☐	☐	☐	
Fluid leaks (coolant, engine oil, fuel and hydraulic oil etc.).	- Check	☐	☐	☐	☐	☐	
LPG tank (if fitted) for leaks and security,. ⇨ *Changing the LPG Tank (📄 147)*.	- Check	☐	☐	☐	☐	☐	
Fuel Sedimenter (Diesel only).	- Drain		☐	☐	☐	☐	
Hoses and pipework for chafing and damage.	- Check		☐	☐	☐	☐	
Oil and oil filter (LPG and Diesel).	- Change			☐	☐	☐	
Fuel filter (Diesel only).	- Change			☐	☐	☐	
Security of air cleaner hose.	- Check		☐	☐	☐	☐	
Condition of radiator hoses.	- Check		☐	☐	☐	☐	
Fan belt tension and condition.	- Check		☐	☐	☐	☐	
Radiator matrix.	- Clean		☐	☐	☐	☐	
Security of engine and pump mountings.	- Check			☐	☐	☐	
Air cleaner dust valve.	- Clean			☐	☐	☐	
Air cleaner outer element.	- Change			☐	☐	☐	
Spark plugs (LPG only).	Replace			☐	☐	☐	
Air cleaner inner element.	- Change				☐	☐	
Adjust valve clearances (Diesel only).(4)	- Check				☐	☐	
Fit new engine breather. (Perkins Engine only.)	- Change					☐	
Timing Belt (Deutz)(1)	- Change						
ELECTRICS							
Battery Electrolyte Level	Check				☐	☐	☐
Battery Charge and Condition	Check				☐	☐	☐
Battery terminals for cleanliness and tightness.	- Check		☐	☐	☐	☐	
Wiring for chafing and general wear.	- Check		☐	☐	☐	☐	
Longitudinal Load Motion Control(2)	System Check	☐	☐	☐	☐	☐	☐
Longitudinal Load Motion Control	Calibration			☐	☐	☐	☐
HYDRAULICS							
Hydraulic fluid level.	- Check	☐	☐	☐	☐	☐	

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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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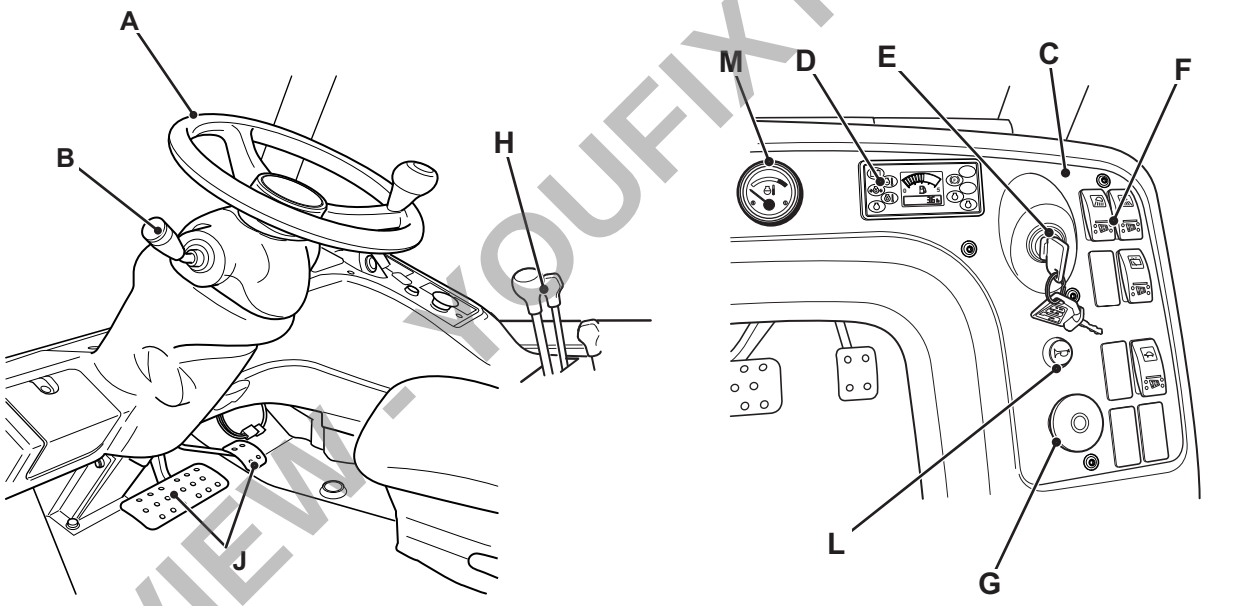
Cab Layout

The JCB Teletruk is provided with a set of instruments and controls to enable you to operate the machine safely and efficiently.

Note: *The cab layout illustration is of a typical machine, for variations see the relevant page in this manual.*

Component Key

A	Steering Wheel
B	Directional Control Lever
C	Console
D	Instruments
E	Ignition Switch
F	Switches
G	Park Brake
H	Boom Controls
J	Transmission Controls
L	Horn
M	Coolant Temperature Gauge (if fitted)



T050890-9

Fig 6.

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Fork Level Indicator (If Fitted)

The fork level indicator gives the operator an indication of the fork tilt angle without having to get out of the cab.

When the fixed pointer **A** and the moving pointer **B** are level the forks are level.

When the fixed pointer **A** is above the moving pointer **B** the forks are tilted back and when the fixed pointer **A** is below the moving pointer **B** the forks are tilted forward.

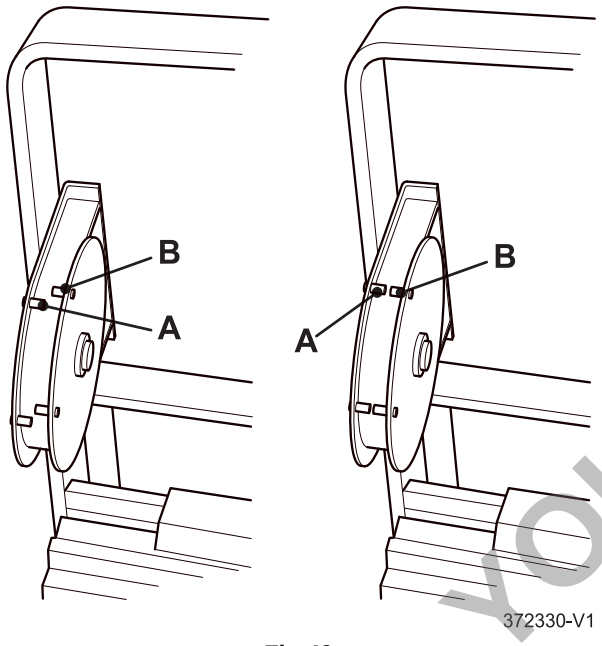


Fig 49.

Security of the Load

Never attempt to lift or move multiple loads that are not secure. The Teletruk is at its safest when lifting small stable loads as shown.

If you attempt to lift multiple loads (especially if the front loads are overhanging the forks), they could fall off when braking or travelling downhill.

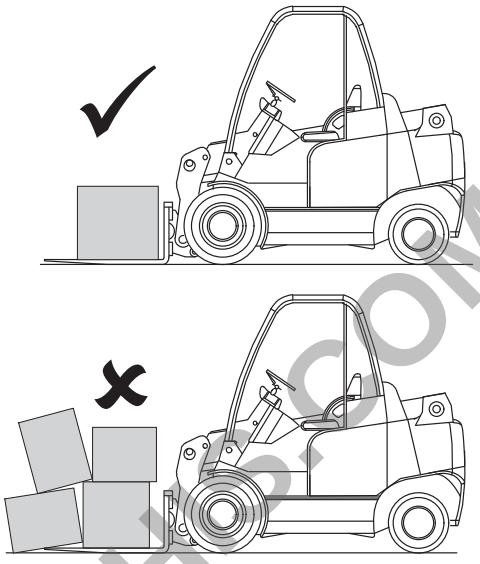


Fig 50.

Handling Loads

Picking Up a Load from the Floor

To pick up a load, tilt the carriage forward (as shown by **A**).

Carefully drive the Teletruk forward **B** to position the forks below the load and then tilt the carriage backwards **C** to secure the load on the forks. This will provide extra stability to the load when braking or driving downhill.

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