OPERATOR'S MANUAL



TELETRUK (VARIABLE REACH TRUCK)

TLT 30D High Lift, TLT 35D, TLT 35D 4x4

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THIS MANUAL SHOULD ALWAYS STAY WITH THE MACHINE

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Safety

Safety - Yours and Others

All machinery can be hazardous. When a product is correctly operated and maintained, it is a safe product to work with. When it is carelessly operated or poorly maintained it can become a danger to you (the operator) and others.

In this manual and on the product you will find warning messages, read and understand them. They inform you of potential hazards and how to avoid them. If you do not fully understand the warning messages, ask your employer or JCB dealer to explain them.

Safety is not just a matter of responding to the warnings. All the time you are working on or with the product you must be thinking of what hazards there might be and how to avoid them.

Do not work with the product until you are sure that you can control it.

Do not start any work until you are sure that you and those around you will be safe.

If you are not sure of anything, about the product or the work, ask someone who knows. Do not assume anything.

Remember:

- Be careful
- Be alert
- Be safe.

Safety Warnings

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

The signal word 'DANGER' indicates a hazardous situation which, if not avoided, will result in death or serious injury.

The signal word 'WARNING' indicates a hazardous situation which, if not avoided, could result in death or serious injury.

The signal word 'CAUTION' indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

The signal word 'Notice' indicates a hazardous situation which, if not avoided, could result in product damage.

The safety alert system (shown) also helps to identify important safety messages in this manual and on the product. When you see this symbol, be alert, your safety is involved, carefully read the message that follows, and inform other operators.

Figure 3. The safety alert system



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Introduction
About this Manual

Model and Serial Number

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

Model	From:	To:
TLT 30D High Lift	2252520	2254520
TLT 35D	2252520	2254520
TLT 35D 4x4	2252520	2254520

Using the Manual

This operator's manual is arranged to give you a good understanding of the product and its safe operation. It also contains maintenance and technical data.

Read this manual from the front to the back before you use the product for the first time, even if you have used machines of a similar/same type before as the technical specification, systems and controls of the machine may have changed. Particular attention must be given to all the safety aspects of operating and maintaining the product.

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

The general and specific warnings in this section are repeated throughout the manual. 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 are different, the text and or the illustration will specify.

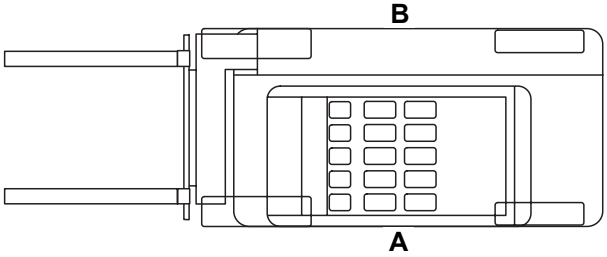
The manufacturer's policy is one of continuous improvement. The right to change the specification of the product without notice is reserved. No responsibility will be accepted for discrepancies which may occur between specifications of the product and the descriptions contained in this manual.

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

Left-Hand Side, Right-Hand Side

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

Figure 1.



A Left **B** Right

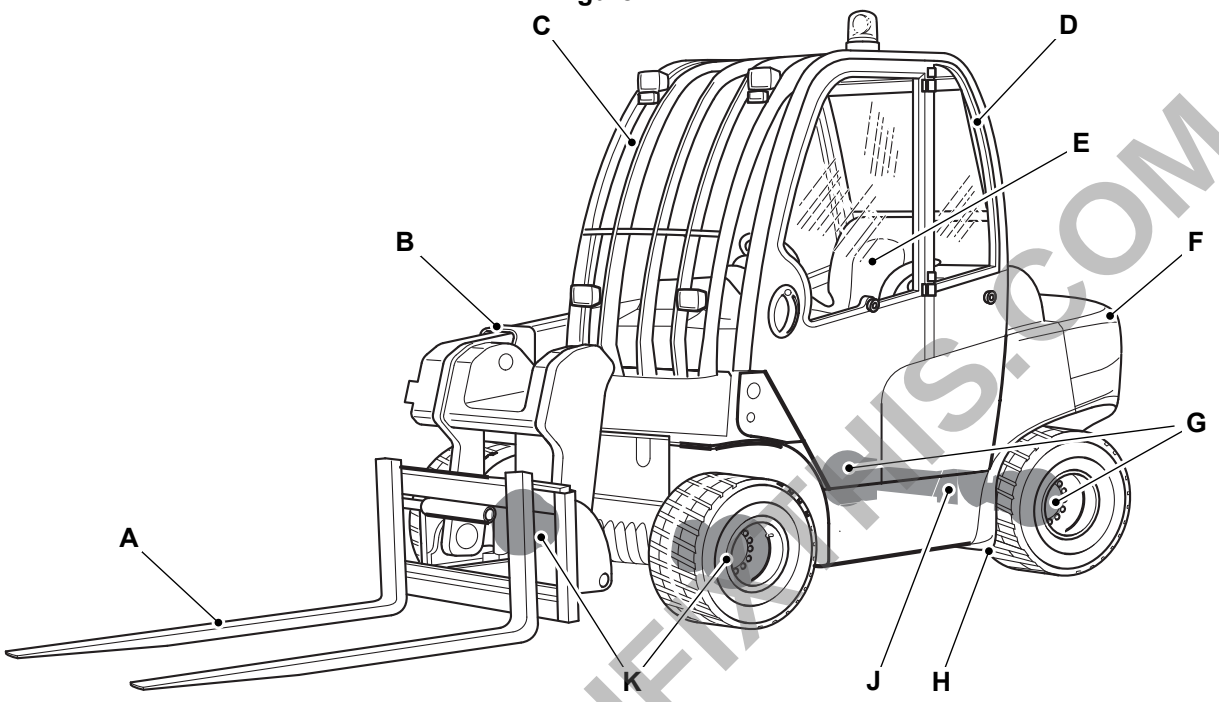
Cab/Canopy

This manual frequently makes references to the cab. For example, 'do not operate the machine without an operator's manual in the cab'. These statements also apply to canopy build machines.

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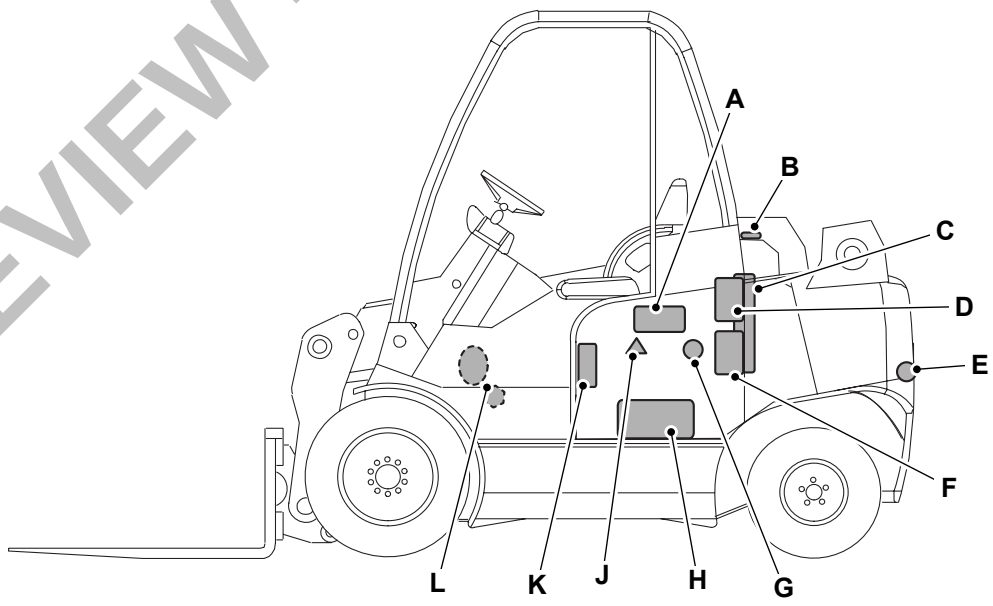
Main Component Locations

Figure 4.



A Carriage and forks
B Lift arm
C LMI (Load Moment Indicator)
D Operators enclosure
E Seat
F Counterweight
G Rear drive motors (if installed)
H Transmission oil tank (right side) and diesel fuel tank (left side)
J Steering axle
K Front drive motors

Figure 5.



A Air intake
B Radiator cap
C Radiator
D Coolant expansion tank
E Battery isolator
F Fuel filter/sedimenter
G Engine oil filler cap
H Battery

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Safety Labels

General

⚠ **WARNING** Safety labels on the machine warn you of particular hazards. You can be injured if you do not obey the safety instructions shown.

The safety labels are strategically placed around the product to remind you of possible hazards.

If you need eye-glasses for reading, make sure you wear them when reading the safety labels. Do not over-stretch or put yourself in dangerous positions to read the safety labels. If you do not understand the hazard shown on the safety label, then refer to Safety Label Identification.

Keep all of the safety labels clean and readable. Replace a lost or damaged safety label. Make sure the replacement parts include the safety labels where necessary. Each safety label has a part number printed on it, use this number to order a new safety label from your JCB dealer.

Safety Label Identification

Figure 9.

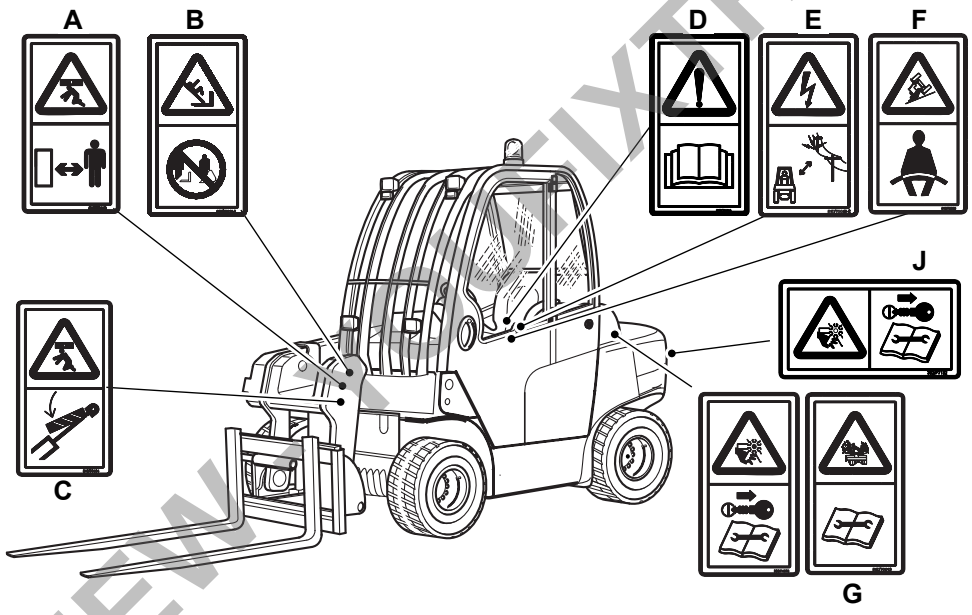


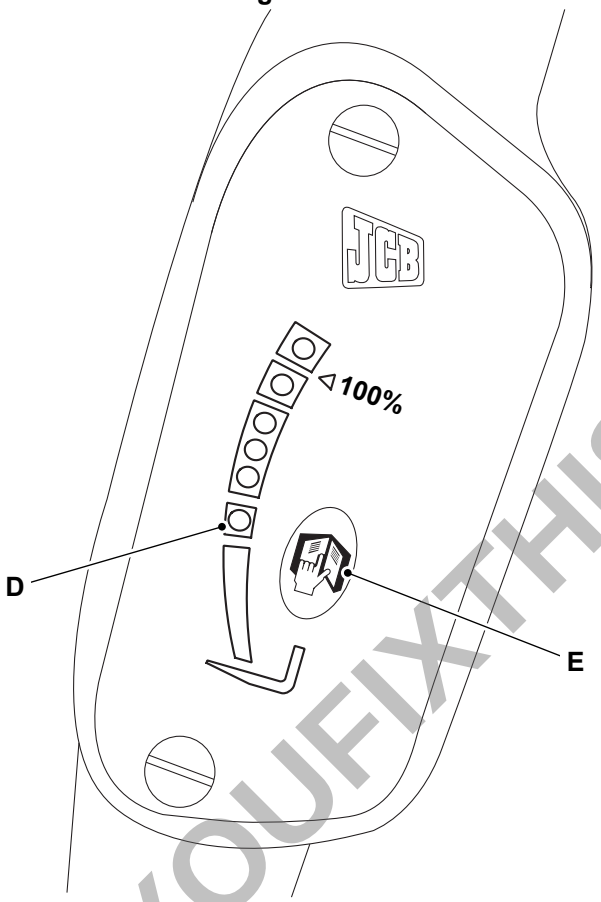
Table 3. Safety Labels

Item	Part No.	Description	Qty.
A	817/70110	Crushing of whole body. Keep a safe distance from machine.	1
B	333/P7050	Fall from raised attachment. Do not stand or ride on the bucket or forks.	1
C	817/70104	Crushing of whole body. Insert the boom support device before you complete any service or maintenance work underneath the boom.	1
D	333/P2361	Warning. Read the Operator's Manual before you operate the machine.	1
E	333/P2359	Electrical hazard. Stay a safe distance away from power lines.	1
F	333/P2360	Crush hazard. Wear seat belt.	1
G	332/F5860	Hot fluid under pressure. Read the Operator's Manual.	1
H	332/P4679	Severing of hands and fingers. Keep clear of/do not reach into rotating parts. Read the Service Manual.	1
J	332/P7132	Severing of hands and fingers. Keep clear of/do not reach into rotating parts. Read the Service Manual.	1

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Figure 77.



D Green colour LED

E Display button

5. All LED on the indicator flash and the audible alarm sounds if the unit is functioning correctly.

Setting the Volume and Brightness

Do the following checks and adjustments while the engine is moving. Apply the park brake and set the gear lever to neutral.

- Full volume and full brightness (default setting)
- Reduced volume and full brightness
- Full volume and reduced brightness
- Reduced volume and reduced brightness

Setting Procedure

1. Park the machine on solid, level ground.
2. Apply the park brake and set the gear lever to neutral.
3. The green light at the bottom of the display will illuminate to show that the indicator is receiving power.
4. Press and hold the display button.
   4.1. The display will cycle through the volume and brightness options, pausing for approximately three seconds to demonstrate each option.
5. Release the button during the required demonstration to select the option.
6. The system will reset to the default setting when the ignition key is switched to the off position.

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Entering and Leaving the Operator Station

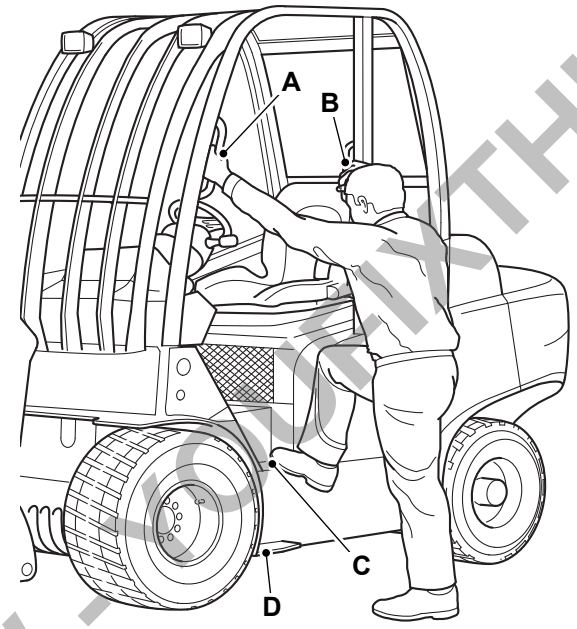
General

⚠ **CAUTION** Entering or leaving the operator station 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.

Make sure the machine is stopped and correctly parked before entering or leaving the cab. Refer to: Stopping and Parking.

When you get 'on' and 'off' the machine always maintain a three point contact with the handrails and step(s). Do not use the machine controls as handholds.

Figure 15.



A Left handrail
B Right handrail
C Step
D Step (if fitted)

Emergency Exit

⚠ **WARNING** If you do not wear your seat belt you could be thrown about inside the machine, or thrown out of the machine and crushed. You must wear a seat belt when using the machine. Fasten the seat belt before starting the engine.

When the machine comes to rest following an accident, turn the ignition switch to the off position, if at all possible and remove the seat belt.

It is important to be aware of the exit routes available to you if your machine is involved in an accident.

The alternative routes depend upon the cab specification. Choose your route carefully to make sure it does not expose you to any danger.

If the machine is still upright and the door is unobstructed, this is the best way out since it provides both a footrest and handrails. If the machine has overturned, the door should be considered along with the alternative route below, according to the circumstances

Rear Window

The rear window can be used as an emergency exit. Make sure the emergency exit is not obstructed. If glass is fitted, in an emergency use the glazing breaker to break the glass. The glazing breaker is stowed below the seat.

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Torque Values

General

Multi-function Valves

Table 29.

Torque	41N·m

Wheels

Table 30.

Front Wheel Nut Torque	Rear Wheel Nut Torque
250N·m	250N·m

Boom

Table 31.

Wear pad mounting bolt torque	56N·m

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Technical Data
Static Dimensions

Dimensions

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(For: TLT 35D 4x4)

Figure 132.

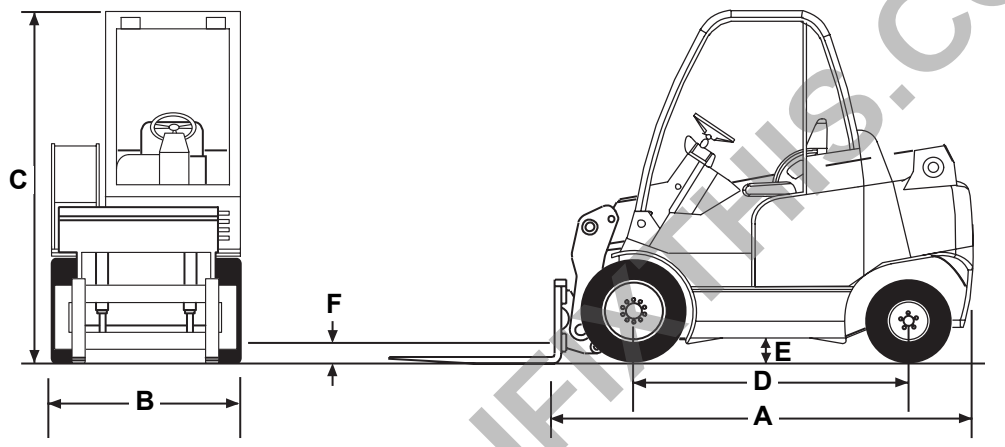
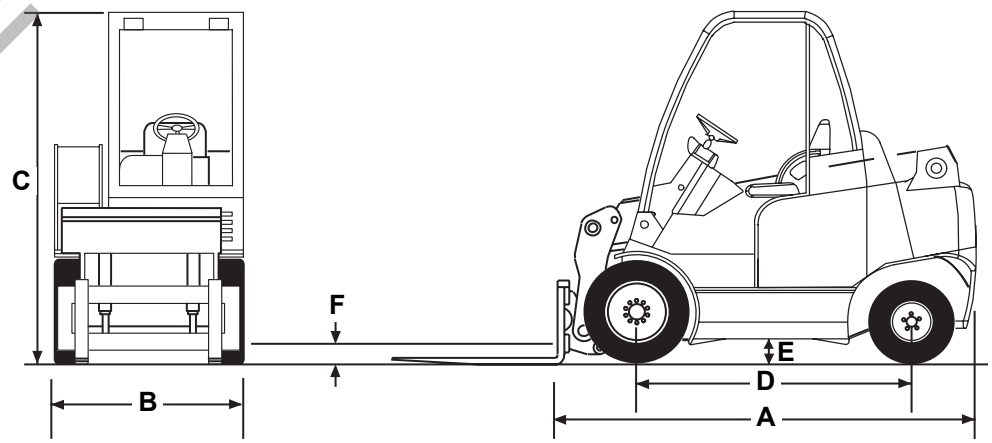


Table 11.

Item	Description	3.5D (4x4)
A	Overall length to fork face	3,200mm
B	Overall machine width	1,400mm
C	Standard height of overhead guard	2,300mm
C	Container (low) height of overhead guard	2,303mm
D	Wheelbase	1,950mm
E	Ground clearance at centre of wheelbase	175mm
F	Ground clearance at lowest point	175mm

(For: TLT 30D High Lift)

Figure 133.



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Maintenance Schedules

General

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

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

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

A badly maintained machine is a danger to the operator and the people working around the operator. Make sure that the regular maintenance and lubrication tasks listed in the service schedules are done to keep the machine in a safe and efficient working condition.

Apart from the daily tasks, the schedules are based on the machine running hours. Keep a regular check on the hourmeter readings to correctly gauge the service intervals. When there is no hourmeter installed, use the calendar equivalents to determine the service intervals.

Do not use a machine which is due for a service. Make sure any defects found during the regular maintenance checks are corrected immediately.

More frequent checks of engine components than the engine manufacturer recommends do not invalidate emissions warranty.

How to Use the Maintenance Schedules

The schedules show the service tasks which must be done and their intervals.

The services must be done at either the hourly interval or the calendar equivalent, whichever occurs first.

The intervals given in the schedules must not be exceeded. If the machine is operated under severe conditions (high temperature, dust, water, etc.) shorten the intervals.

Table 7.

○	Service task can be completed by a competent operator. Details of how to complete the service task are given in the Operator's Manual.
□	We recommend that a Service Engineer completes the service task. Details of how to complete the service task are given in the Service Manual.

Maintenance Intervals

Table 8.

Interval (h)	Calendar Equivalent
10	Daily
50	Weekly
500	Six months
1000	Yearly
2000	Two years

Pre-start Cold Checks, Service Points and Fluid Levels

More frequent checks of engine components than the engine manufacturer recommends do not invalidate emissions warranty.

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Operation
Introduction

General

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.

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.

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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