



Diesel TLT

QUICK REFERENCE GUIDE

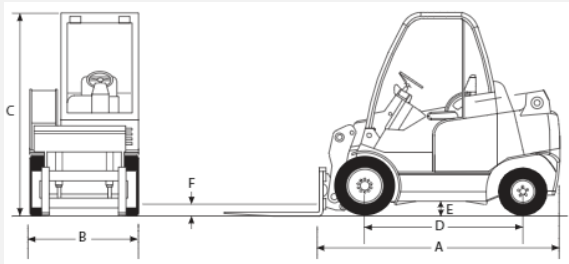
This Quick Reference Guide DOES NOT replace the Operators Manual. You MUST read ALL the disclaimers and safety and other instructions in the Operators Manual before initially operating this product. Accordingly, no legal claims can be entertained based on the data, illustrations or descriptions in this Quick Reference Guide.

BEST PRACTICES

1. Carry a load as low as possible while maintaining good visibility.
2. Forks should be tilted back when in transport – with or without a load, cradle the load.
3. Fork tips should be on the ground when unit is parked.

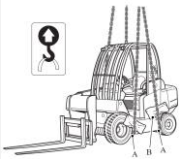
Static Dimensions

Machine model		77-52D (35D)
A	Overall length to fork face	ft-in 9-10
B	Overall machine width	ft-in 4-2
C	Height of overhead guard	
	Standard	ft-in 7-3
	Container (low)	ft-in 6-11
D	Wheelbase	ft-in 6-5
Ground clearance		
E	At center of wheelbase	ft-in 0-6
F	At lowest point	ft-in 0-5



Moving Machine

Lifting Machine



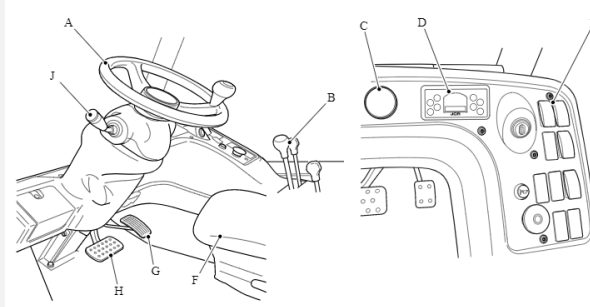
- A. Lifting point x 4
- B. Padding

Tie-Down Points



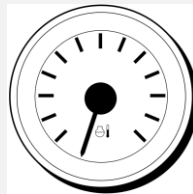
- A. Securing method

Cab and Switch Panel



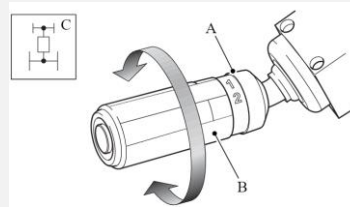
- A. Steering wheel
- B. Lift arm controls
- C. Coolant temperature gauge
- D. Instrument panel
- E. Console switches
- F. Seat
- G. Accelerator pedal
- H. Inching pedal
- J. Transmission drive lever

Coolant Temperature Gauge



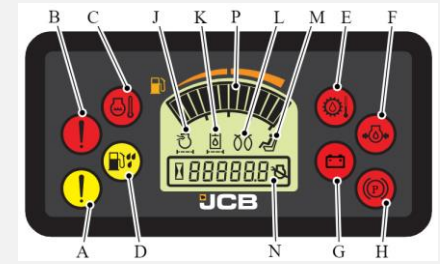
- A. 211.9 °F – Warning lamp on
- B. 220.9 °F – Reduced engine power
- C. 229.8 °F – Critical stop lamp illuminates. Further reduction in the engine power

Transmission Drive Lever



- A. Lever
- B. Twist grip
- C. Front differential indicator lamp

Instrument Panel



- A. Amber warning
- B. Critical stop (red)
- C. Engine coolant temperature (red)
- D. Water in fuel warning (amber)
- E. Transmission oil temperature (red)
- F. Engine oil pressure (red)
- G. Alternator charge (red)
- H. Park brake (red)
- J. Air filter blocked
- K. Hydraulic filter
- L. Cold start active
- M. Seat switch
- N. Hour meter / time to service / service due / fault code display
- P. Fuel level

Start Up Sequence

1 Insert Isolator Key
Turn clockwise

2 Fasten Seat Belt
Climb into the cab and fasten/adjust the seat belt

3 Set to Neutral
Ensure the machine is not in gear and the parking brake is on

4 Insert Key and Start
Turn the key to position II until the engine starts

5 Operate Hydraulics
Operate hydraulics to make sure each function is working

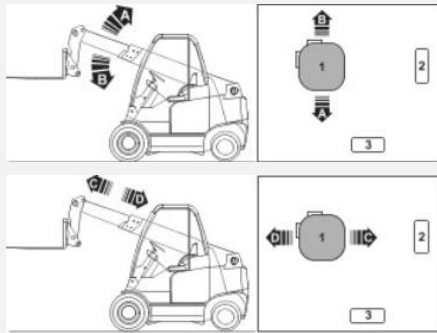
Access additional information

www.servicepro.jcb.com

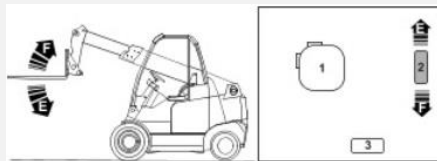


Control Layout

Boom Controls – Regular Pattern



Carriage Controls – Regular Pattern

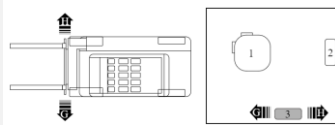


Auxiliary Circuit Controls

Auxiliary (option)

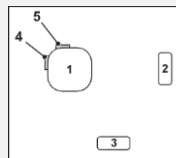
3. Auxiliary Control

- G. Left auxiliary
- H. Right Auxiliary

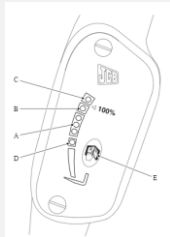


For side-shift press switch:

- 4. Side-shift Right
- 5. Side-shift Left

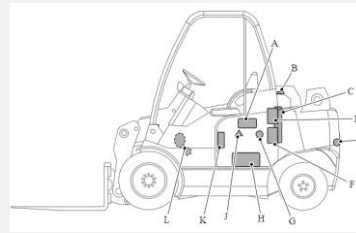


Longitudinal Load Movement Indicator (LLMI)



- A. Green LED - Safe when lit
- B. Amber LED (lit) – approaching limits
- B. Amber LED (flashing) – extend/lower disabled
- C. Red LED – Danger / at limit of stability
- D. Power ON indicator
- E. Display button

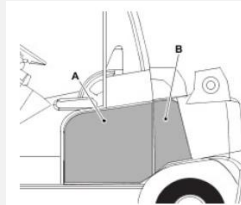
Service Points



- 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
- I. Engine oil dipstick
- J. Window washer fluid tank
- K. Hydraulic oil level indicator, hydraulic oil filler cap

Access Covers

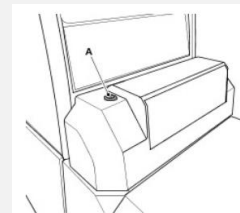
Engine Side Panel



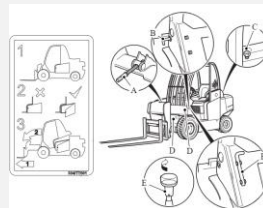
- A. Engine main panel
- B. Engine fuse panel

Rear Cover

- A. Latch



Cab/Canopy

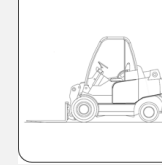


- A. Jack
- B. Tilt lock pin
- C. Cab bolts
- D. Front cover
- E. Hydraulic lever bolt and control knob

Install Changezee Quickhitch Attachment

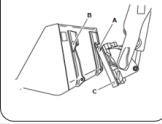
1 Stop the Machine

Park on dry level ground



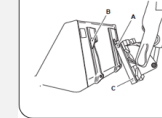
2 Align the Machine

Align the carriage with the attachment below the level of hooks (B)



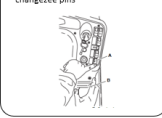
3 Engage Attachment

Engage forward until pivot shaft touches the attachment. Engage parking brake and raise arm so pivot shaft (A) engages hooks (B)



4 Engage Locking Pins

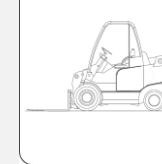
With the Park brake applied, press and hold roller switch (A) to divert the side shift service to the locking ram. Operate service button (B) to engage changezee pins



Install Fork Attachment

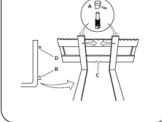
1 Stop the Machine

Park on dry level ground



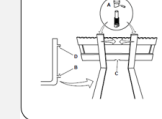
2 Attach the Forks (1)

Position the forks in the central position, allowing the hooks (D) to engage with upper carriage and overlap lower removal notch (C)

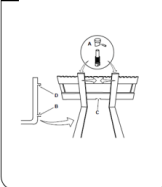


3 Attach the Forks (2)

Slide each fork along the carriage away from the central position, ensuring the upper (D) and lower (B) positions are engaged



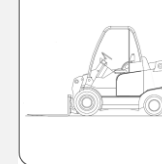
4 Engage Locking Pins (A)



Install Bucket Attachment

1 Stop the Machine

Park on dry level ground



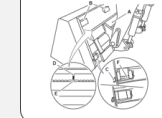
2 Remove Locking Pins

Remove locking pins (C) and align with center of hitch plate (E). Extend boom until hitch plate (A) touches bucket



3 Engage the Bucket (1)

Raise boom while crowding back to engage carriage onto the lips (B). Once engaged, move crowd/tilt lever to fully roll back attachment



4 Engage the Bucket (2)

Raise locking blocks (F) to engage attachment and fit locking pins (C). Connect hoses

