



QUICK REFERENCE GUIDE

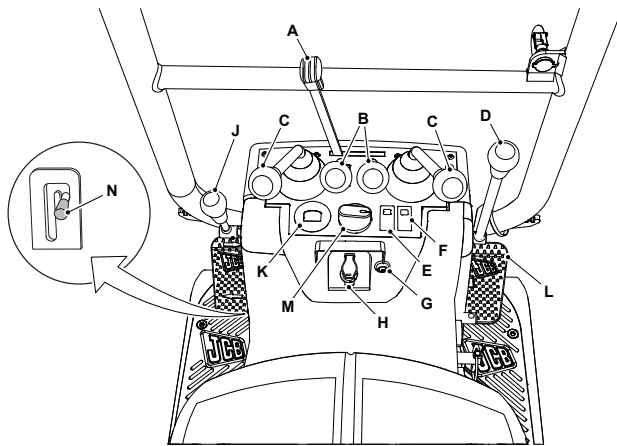
8008E CTS

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The information shown in this Quick Reference Guide is taken from the Operator's Manual (9851/3200).

This Quick Reference Guide DOES NOT replace the Operator's Manual. You MUST read ALL the disclaimers and safety and other instructions in the Operator's 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.

Component Locations



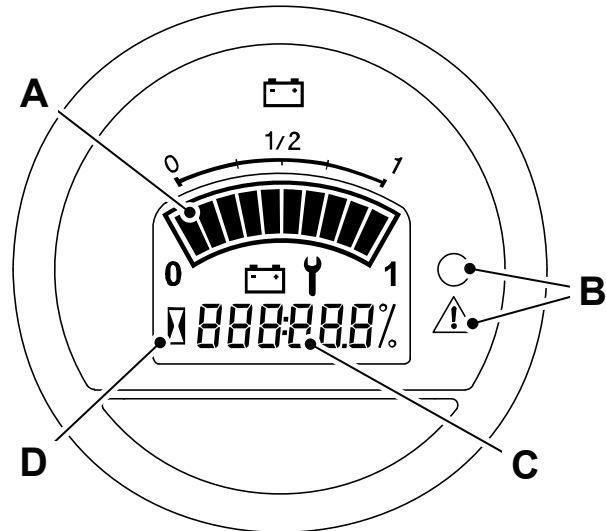
- | | |
|---|---------------------------|
| A Excavator lever lock | B Track controls |
| C Excavator controls | D Dozer control |
| E Boom work light switch | F Horn |
| G Blue LED (Light Emitting Diode) – illuminates when the machine is powered ON | H Ignition switch |
| J Extending tracks control | K Instrument panel |
| L Foot pedal | M Throttle dial |
| N Slew lock lever | |

Instrument Panel

⚠ WARNING If there is a fault with the machine electrical system an error may be displayed on the instrument panel. Contact your JCB dealer. Do not try to repair it yourself.

The battery charge level indicator gauge, warning and indicator lamps are grouped together on the instrument panel.

The battery charge level is shown digitally on the gauge.

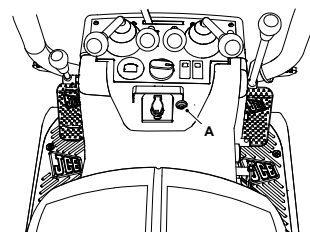


- | | |
|---|------------------------------------|
| A Battery charge level indicator | B Red LED warning indicator |
| C Message display (multi function) | D Machine hour meter symbol |

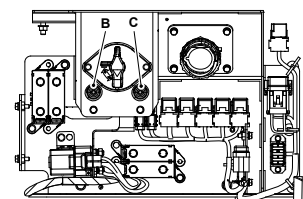
A	Battery charge level indicator	Battery charge level is shown continuously.
B	Red LED/warning	Illuminates when an error is detected.
C	Message display (multi function)	Displays machine hours or battery charge.
D	Machine hour meter symbol	Flashes when display is showing machine hours. When machine is switched ON and motors are not running.

LED Light Indicators

LED Light	Description
Continuous blue	LED indicates that the motor is running.
Flashing blue	LED indicates that the ignition is ON but motor is not running.
Pulsing green	LED indicates that the machine is charging.
Continuous green	LED indicates that the machine is fully charged.
Continuous red	LED indicates that the fault is present.

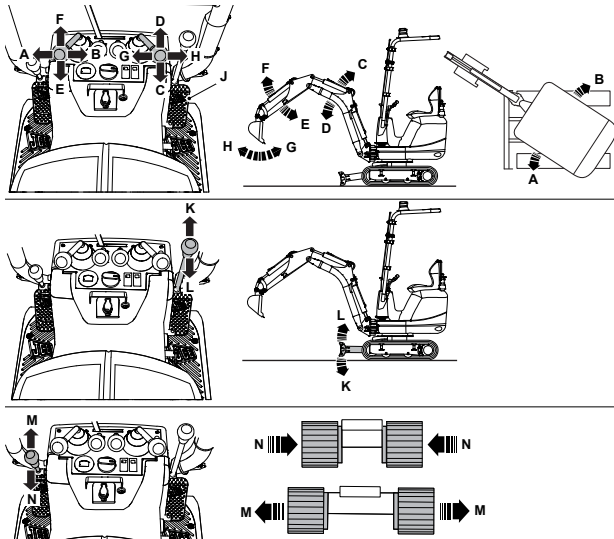


- A** Blue LED
C Green LED



- B** Red LED

Basic Controls



- | | |
|--|---------------------------------------|
| A Slew operator station left | B Slew operator station right |
| C Raise boom | D Lower boom |
| E Dipper in | F Dipper out |
| G Crowd bucket (to gather a load) | H Dump bucket (to dump a load) |
| J Swing pedal (to swing boom left or right) | K Lower the dozer |
| L Raise the dozer | M Forward - Extend |
| N Backward - Retract | |

Starting the Machine

▲ WARNING Thoroughly warm the hydraulic oil before operating the excavator services. Before selecting boom up, check there are no overhead obstructions or electric power cables.

- Make sure that the machine is ready to start.
 - Make sure that the service disconnect switch is in the ON position.
- If the machine has an immobiliser, then you must disarm the immobiliser before you start the machine and make sure that the ignition key must be in position '0'.
- Turn the ignition key to position 'I' to connect the battery to all of the electrical circuits.
- Wait for the blue LED to flash.
- Fasten the seat belt.
- Turn the ignition key further to position 'III' to start the machine and continuous blue LED will illuminate which indicates that the motor is running.
 - The motor will always start at low RPM (Revolutions Per Minute) from key position '0'. The throttle will need to be cycled through its range if the dial was left higher than idle.

6.2. If the seat belt is disconnected while the motor is running, you will be able to key ON from position '1' once the seat belt has been refastened. The motor will re-engage at the speed prior to the seat belt disconnect.

7. Check that all the warning lights on the instrument panel have gone OFF.

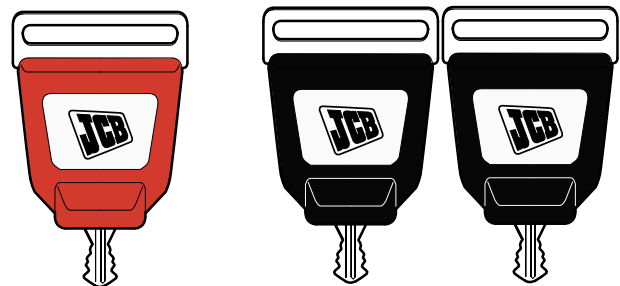
7.1. While the motor is running and any warning lights fail to go OFF or turn ON, stop the motor immediately.

8. Warm up the hydraulics.

Immobiliser (If Installed)

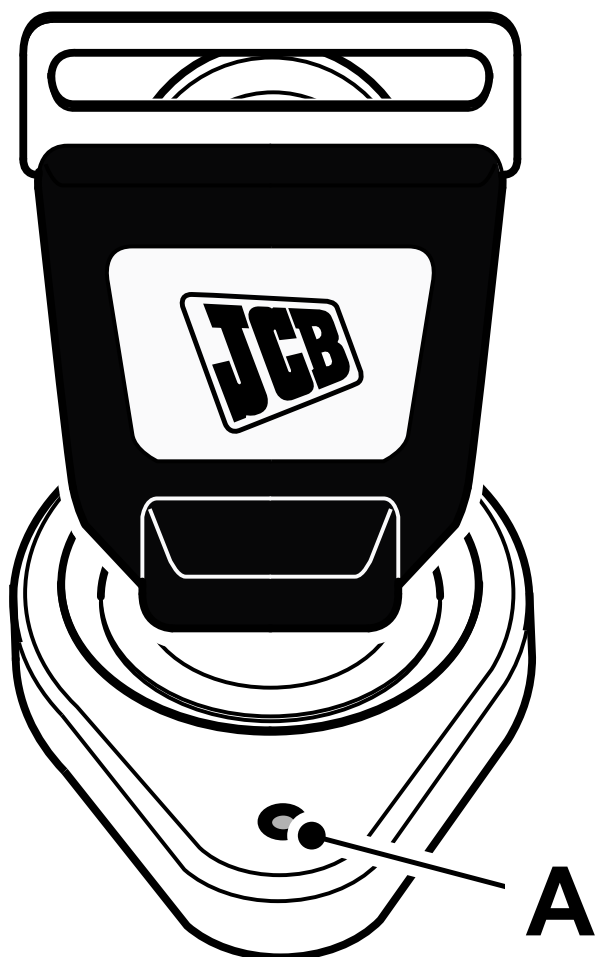
Introduction

Each machine is supplied with a master key (red) and two ignition keys (black). The master key is used by the operator to program the ignition keys. You must use an ignition key to start or operate the machine.



To Disarm the Immobiliser

- Put the ignition key in the ignition switch.
- Start the machine.



A LED

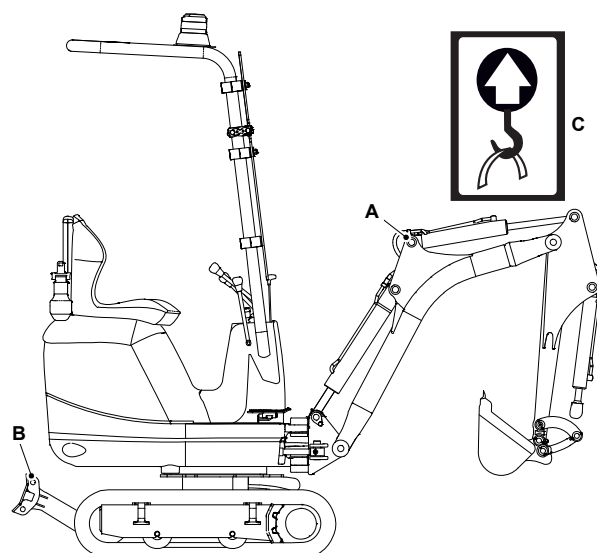
Note: Position of LED may vary as per design.

To Arm the Immobiliser

1. Stop the machine.
2. Remove the ignition key.
3. The immobiliser will arm after the specified duration.

Duration: 2min

Lifting Points

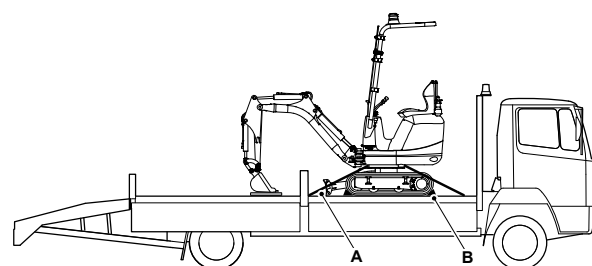


A Boom lift point (x2)

B Dozer blade lift point (x2)

C Sling point label

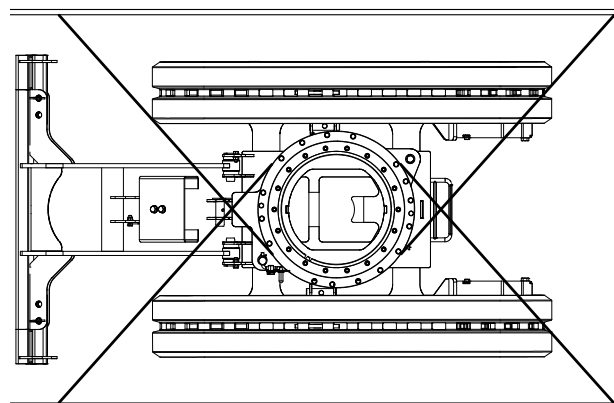
Tie Down Points



A Straps

B Skids

Machine Tie-Down Points



Operator Maintenance Tasks

Component	Task	10h	50h
Hydraulics			
Oil level	Check	○	○
Rams - chrome condition	Check		○

Component	Task	10h	50h
Hoses and pipework - damage/leaks	Check		○
Operation all services - excavator, dozer etc. ⁽¹⁾	Check (operation)	○	○
Hydraulic cooler	Check/Clean	○	○
Electrics			
Wiring for chaffing/routing	Check (condition)		○
HaV battery charge condition ⁽²⁾	Check		○
Service disconnect (isolator)	Check (operation)	○	○
Battery electrolyte level (if applicable)	Check		○
Equipotential bond cables damage	Check (condition)		○
Horn	Check	○	○
Switches operation	Check	○	○
12V battery terminals for condition and tightness	Check (condition)		○
Inverter fan filter	Check/Clean		○
Main high voltage battery charge condition ⁽²⁾	Check		○
Charging cable - damage	Check	○	○
Charging port - damage/cleanliness ⁽³⁾	Check/Clean	○	○
All electrical equipment operation (e.g. warning lights, beacons, horn etc.)	Check (operation)	○	○
Hourmeter	Check (operation)	○	○
Charger function with JCB charge cable	Check (operation)	○	○
Undercarriage			
Track plate condition and bolt torque	Check		○
Track tension	Check		○
Track and running gear	Check (operation)	○	○
Bodywork and operator structure			
General machine condition, paint, leaks, component security, damage and wear	Check	○	○
TOPS (Tip-Over Protective Structure) condition	Check	○	○
Toolkit and handbook	Check	○	○
All pivot pins ⁽⁴⁾	Grease		○
Dipper to boom and bucket pivot pins	Lubricate	○	○

Component	Task	10h	50h
All pivot pins condition and security ⁽⁴⁾	Check		○
Slew ring bearing	Lubricate		○
Machine generally	Check and Clean	○	○
Attachments			
Quickhitch	Lubricate	○	○
Condition/security/operation	Check	○	○
Optional equipment			
As required	Check	○	○

(1) Check the emergency boom lowering operation using accumulator stored pressure. Do not use motor power.

(2) Check the charge level of the batteries at least every 30d. Charge the batteries if the charge level is below 50%.

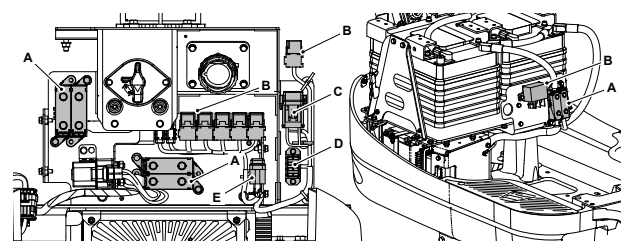
(3) Clean and lubricate the charge cable end and charging port.

(4) Grease every 10h when operating in arduous conditions.

Fuses and Relays

The electrical circuits are protected by fuses. The fuses and relays are located on the PDU (Power Distribution Unit) inside the bonnet at the rear of the machine. If a fuse blows, find out why before a new one is installed.

Notice: Always replace fuses with ones of correct ampere rating to avoid electrical system damage.



A High voltage mega fuses

B Relay

C Primary fusebox

D Secondary fusebox

E 12V system fuse

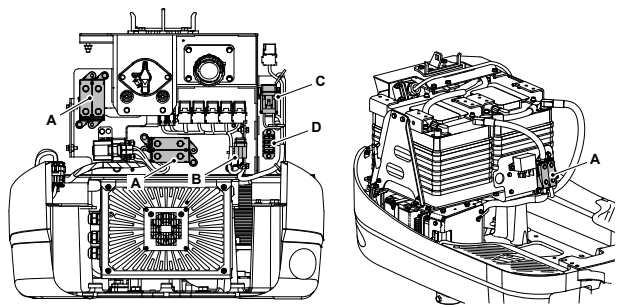
Replace

Fuse

The electrical circuits are protected by fuses. If a fuse breaks, find the cause and correct the fault before a new fuse is installed.

1. Make the machine safe with the lift arm lowered.
2. Turn OFF the machine and then remove the ignition key.
3. Isolate the batteries with the service disconnect switch to prevent any operation of the machine.
4. Open the bonnet to access the PDU.

5. Remove the PDU cover to access the fuses.



A High voltage mega fuses

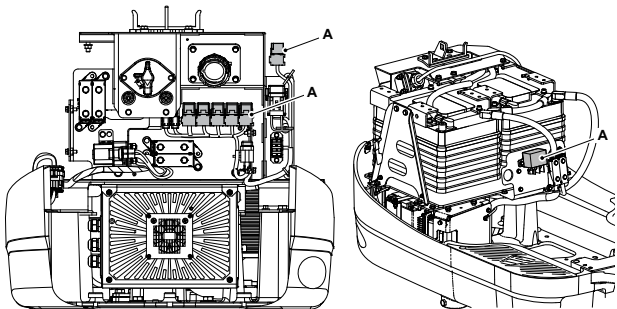
B 12V system fuse

C Primary fusebox

D Secondary fusebox

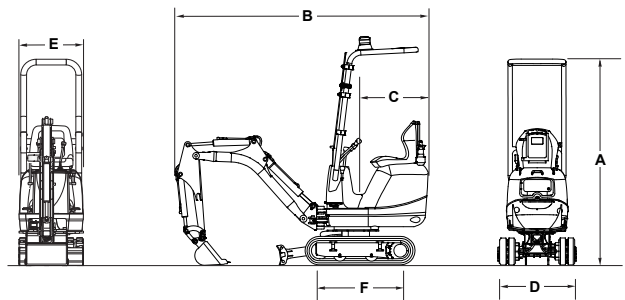
Relay

1. Make the machine safe with the lift arm lowered.
2. Turn OFF the machine and then remove the ignition key.
3. Isolate the batteries with the service disconnect switch to prevent any operation of the machine.
4. Open the bonnet to access the PDU.
5. Remove the PDU cover to access the relays.



A Relays

Dimensions



Item	Description	Dimensions
A	Overall height (transport position) ⁽¹⁾	2,310mm
B	Overall length (transport position)	2,682mm
C	Tail swing	800mm
D	Track width - extended	865mm
	Track width - retracted	700mm

Item	Description	Dimensions
E	Superstructure width	695mm
F	Sprocket idler centres	865mm

(1) Does not include truck/trailer height.

Notes:
