



QUICK REFERENCE GUIDE

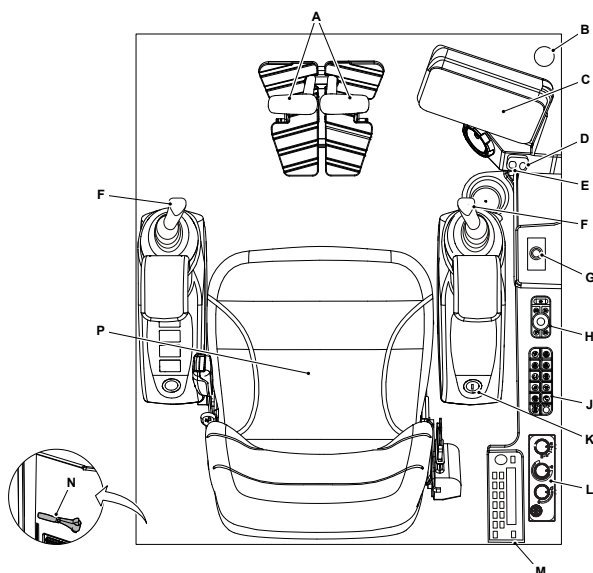
45Z-1, 48Z-1, 51R-1

EN - 9828/GAV00 - ISSUE 1 - 01/2025

The information shown in this Quick Reference Guide is taken from the Operator's Manual (9831/1300).

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.

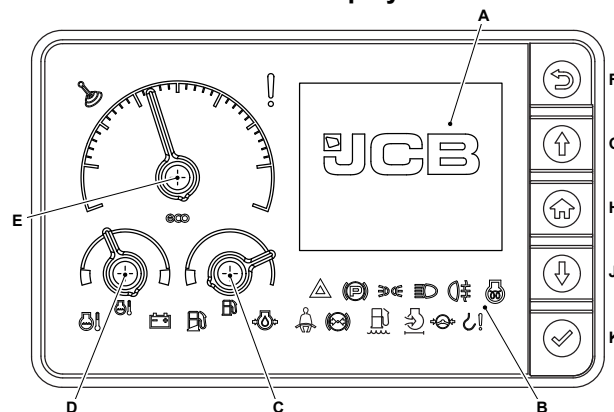
Component Locations



- | | |
|---|-------------------------------------|
| A Track controls | B Fire extinguisher (option) |
| C Instrument panel | D Auxiliary power socket |
| E USB port | F Excavator controls |
| G Dozer blade control lever | H Rotary switch panel |
| J Switch panel | K Ignition key switch |
| L HVAC (Heating Ventilation Air Conditioning) controls | M Radio (option) |
| N Glazing breaker | P Operator seat |

Instrument Panel

Front Display

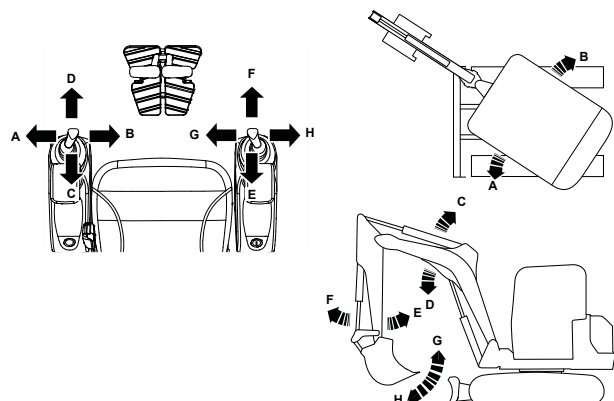


- | | |
|--|--------------------------------------|
| A LCD (Liquid Crystal Display) screen | B Warning and indicator lamps |
| C Fuel level gauge | D Coolant temperature gauge |
| E Engine speed | F Back button |
| G Up button | H Home button |
| J Down button | K Select button |

Basic Controls

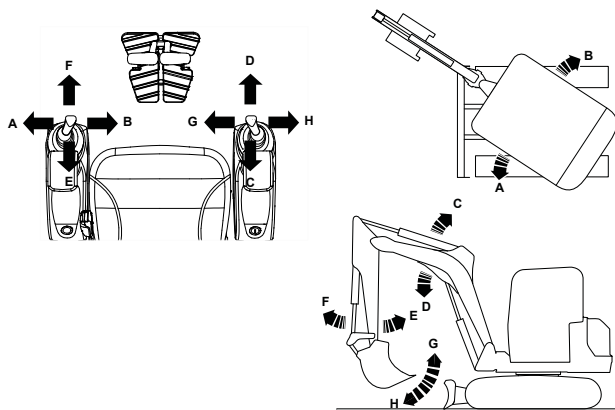
Excavator Controls

Excavator Levers (SAE Control Pattern)



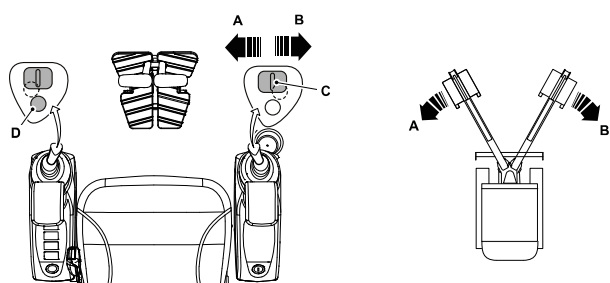
- | | |
|--|---------------------------------------|
| A Slew cab left | B Slew cab right |
| C Raise boom | D Lower boom |
| E Dipper in | F Dipper out |
| G Crowd bucket (to gather a load) | H Dump bucket (to dump a load) |

Excavator Levers (ISO Control Pattern)



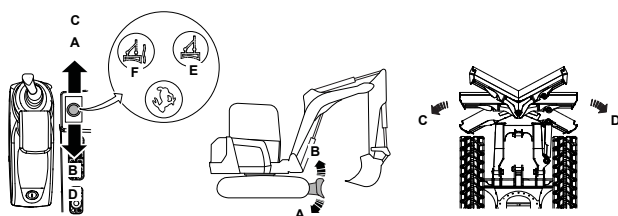
- A** Slew cab left
- B** Slew cab right
- C** Raise boom
- D** Lower boom
- E** Dipper in
- F** Dipper out
- G** Crowd bucket (to gather a load)
- H** Dump bucket (to dump a load)

Swing



- A** Swing left
- B** Swing right
- C** Thumb wheel
- D** Change over button

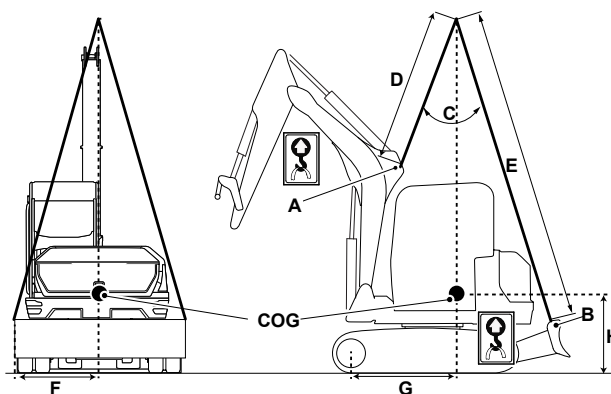
Dozer Blade Controls



- A** Lower the dozer
- B** Raise the dozer
- C** Angle the dozer, pulling the left side in
- D** Angle the dozer, pulling the right side in
- E** Dozer lift/angle changeover
- F** Dozer float mode on/off

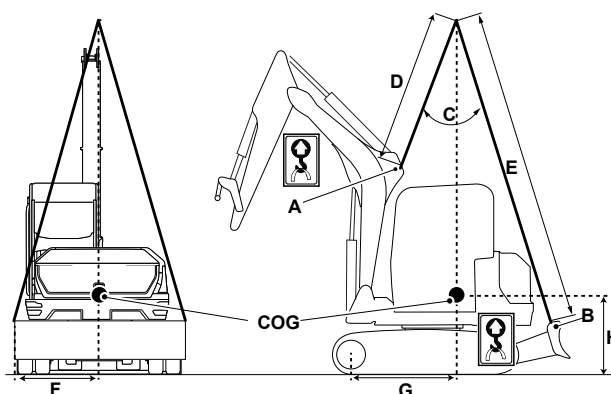
Lifting Points

(For: 45Z-1 [T4F], 48Z-1 [T4F])



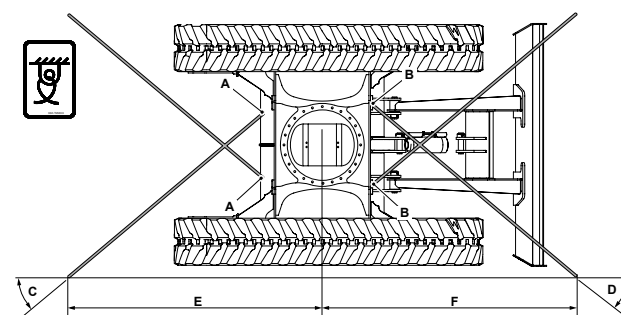
- A** Boom lift point
- B** Dozer blade lift point
- C** Angle = 35°
- D** Dimension = 2,400mm
- E** Dimension = 4,800mm
- F** Dimension = 993mm
- G** Dimension = 796mm
- H** Dimension = 947mm

(For: 51R-1 [T4F])



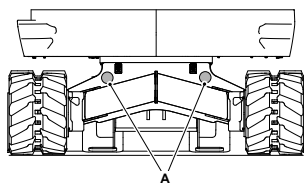
- A** Boom lift point
- B** Dozer blade lift point
- C** Angle = 35°
- D** Dimension = 2,480mm
- E** Dimension = 4,850mm
- F** Dimension = 1,003mm
- G** Dimension = 843mm
- H** Dimension = 934mm

Tie Down Points



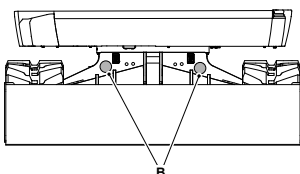
- A** Rear track tie-down points
- B** Front track tie-down points
- C** Angle = 44.7 ± 5°
- D** Angle = 43 ± 1.5°

E Length =
2,100 ± 400mm



A Rear track tie-down points (both sides)

F Length =
2,200 ± 100mm



B Front track tie-down points (both sides)

Operator Maintenance Tasks

Component	Task	10	50
Attachment /Lifting Equipment			
As required	Check (condition)	○	○
Bodywork and Cab			
General condition	Clean/Check	○	○
Slew ring bearing	Lubricate		○
Operator protective structure	Check	○	○
Seat belt condition/operation	Check	○	○
Fire extinguisher	Check	○	○
Electrics			
Wiring security/integrity	Check		○
Battery	Clean		○
Battery isolator operation	Check		○
Window washer fluid level	Check	○	○
All Electrical Equipment Operation, (e.g. warning lights, beacon, alarms, horn, wipers etc.)	Check	○	○
Hourmeter Operation	Check	○	○
Engine, Fuel & Cooling System			
Engine compartment hose condition/security	Check	○	○
Oil level	Check	○	○
FEAD (Front End Accessory Drive) belt condition	Check		○
Compressor drive belt condition/tension	Check		○
Air filter	Check		○
Air filter dust valve operation	Check/Clean		○
Fuel filter/water separator	Clean/Drain	○	○
Coolant level	Check	○	○
Coolant hoses ^(3, 4)			
Cooling pack	Check/Clean	○	○
Exhaust Smoke (excessive)	Check	○	○
Fuel System - Leaks and Contamination	Check	○	○

Component	Task	10	50
Hydraulics			
Hose and pipework security/leaks	Check		○
Oil level	Check	○	○
Rams security/condition	Check		○
Operation All Services - Excavator, Dozer, Dozer float etc. ^(1, 2)	Check	○	○
Hoses and Pipework - Damage/Leaks	Check		○
Undercarriage, Track			
Track condition	Check		○
Track tension	Check		○
Track plate security (steel tracks only)	Check	○	○
Track and Running Gear Operation	Check	○	○

(1) Check the dozer float operation (option): It can be engaged when dozer is raised. it can not be engaged when the machine is supported on dozer.

(2) Check the emergency boom lowering without engine power using accumulator stored pressure.

(3) Jobs which must be performed by a specialist.

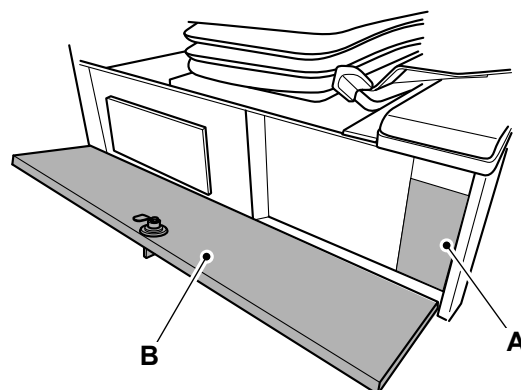
(4) The replacement interval is only an indication, it strongly depend from the environmental condition and hose status detected during regular visual inspection.

Fuses and Relays

The electrical circuits are protected by fuses. 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.

1. Make the machine safe.
2. The fuses and relays are behind a panel under the seat.
 - 2.1. Use the ignition key to open the panel.
 - 2.2. Close the panel with the ignition key.

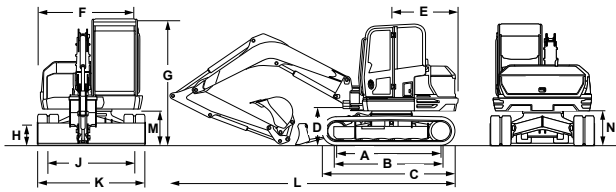


A Fuses and relays

B Panel

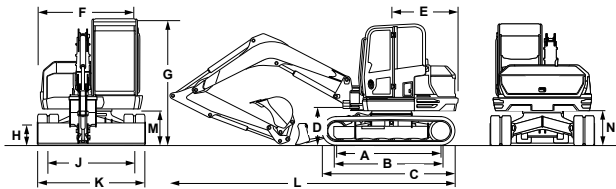
Dimensions

(For: 45Z-1 [T4F])



Item	Description	Length
A	Sprocket idler centres - rubber	1,985mm
B	Track length on ground	1,985mm
C	Undercarriage overall length - rubber	2,490mm
	Undercarriage overall length - steel	2,490mm
D	Kingpost clearance	631mm
E	Tailswing radius	975mm
F	Overall width of superstructure	1,820mm
G	Height over cab	2,551mm
H	Ground clearance	300mm
J	Track gauge	1,550mm
K	Width over tracks/Rubber/Steel/Geo-Grip	1,950mm
	Width over tracks/Wide steel (option)	2,100mm
L	Transport length - standard dipper	5,176mm
M	Track height	560mm
N	Counterweight clearance	618mm

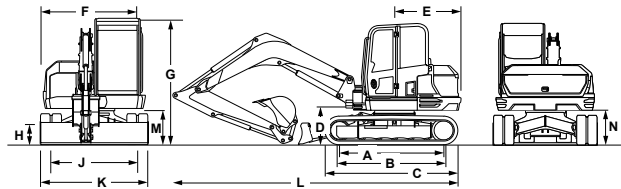
(For: 48Z-1 [T4F])



Item	Description	Length
A	Sprocket idler centres - rubber	1,985mm
B	Track length on ground	1,985mm
C	Undercarriage overall length - rubber	2,490mm
	Undercarriage overall length - steel	2,490mm
D	Kingpost clearance	631mm
E	Tailswing radius	975mm
F	Overall width of superstructure	1,820mm
G	Height over cab	2,551mm
H	Ground clearance	300mm
J	Track gauge	1,550mm
K	Width over tracks/Rubber/Steel/Geo-Grip	1,950mm
	Width over tracks/Wide steel (option)	2,100mm

Item	Description	Length
L	Transport length - standard dipper (1,450mm)	5,176mm
	Transport length - long dipper (1,820mm)	5,305mm
M	Track height	560mm
N	Counterweight clearance	618mm

(For: 51R-1 [T4F])



Item	Description	Length
A	Sprocket idler centres - rubber	1,985mm
B	Track length on ground	1,985mm
C	Undercarriage overall length - rubber	2,490mm
	Undercarriage overall length - steel	2,490mm
D	Kingpost clearance	631mm
E	Tailswing radius	1,040mm
F	Overall width of superstructure	1,850mm
G	Height over cab	2,551mm
H	Ground clearance	300mm
J	Track gauge	1,550mm
K	Width over tracks/Rubber/Steel/Geo-Grip	1,950mm
	Width over tracks/Wide steel (option)	2,100mm
L	Transport length - standard dipper (1,450mm)	5,091mm
	Transport length - long dipper (1,820mm)	5,305mm
M	Track height	560mm
N	Counterweight clearance	618mm