



QUICK REFERENCE GUIDE

15C-1, 16C-1, 18Z-1, 19C-1, 19C-1 PC

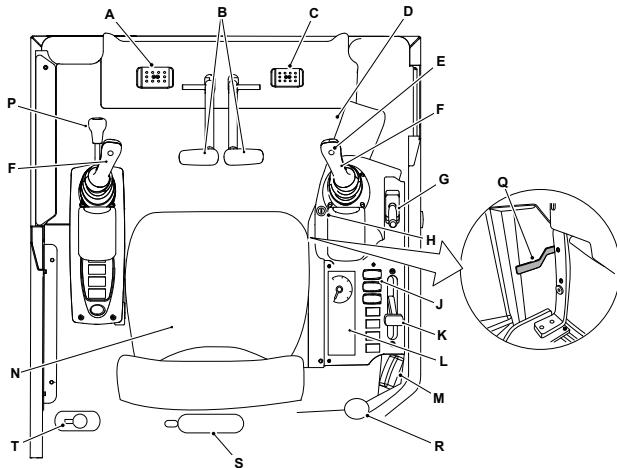
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The information shown in this Quick Reference Guide is taken from the Operator's Manual (9841/0000).

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.

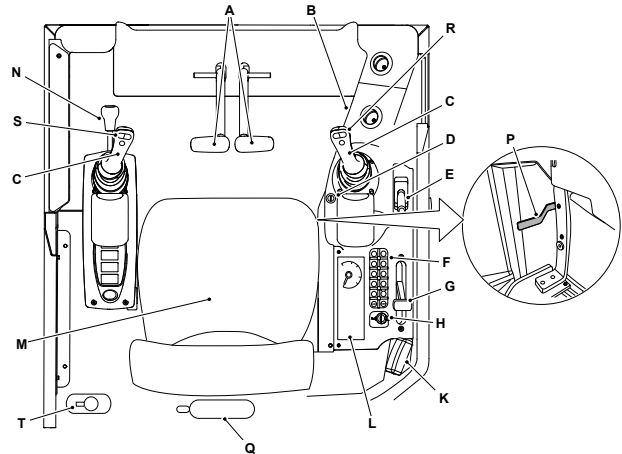
Component Locations

(For: 15C-1 [STV], 16C-1 [STV], 18Z-1 [STV], 19C-1 [STV])



- | | |
|---|--|
| A Auxiliary pedal | B Track controls |
| C Swing left/right | D Heater controls (if installed) |
| E Horn | F Excavator arm controls |
| G Dozer control lever | H Ignition switch |
| J Right console switches | K Hand throttle control |
| L Instrument panel | M Radio (if installed) |
| N Operator seat | P Controls isolation lever |
| Q Undercarriage track extension lever (if installed) | R Fire extinguisher (18Z-1) |
| S Fire extinguisher (16C-1) | T Window washer bottle (machine installed with cab) |

(For: 19C-1 PC [STV])

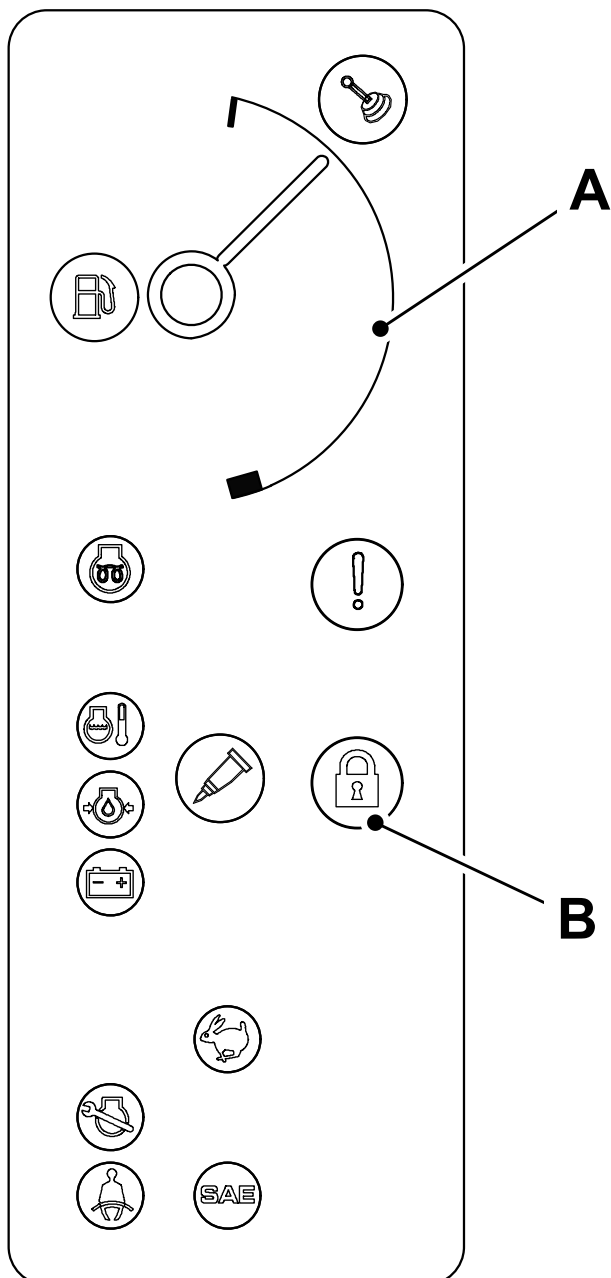


- | | |
|--|-----------------------------------|
| A Track controls | B Heater controls |
| C Excavator arm controls | D Ignition switch |
| E Dozer control lever | F Switch panel |
| G Hand throttle control | H Auxiliary power socket |
| K Radio (if installed) | L Instrument panel |
| M Operator seat | N Controls isolation lever |
| P Undercarriage track extension lever | Q Fire extinguisher |
| R Swing control | S Auxiliary control |
| T Window washer bottle (machine installed with cab) | |

Instrument Panel

(For: 15C-1 [STV], 16C-1 [STV], 18Z-1 [STV], 19C-1 [STV])

The gauges, warning and indicator lamps are grouped together on the instrument cluster. When a warning lamp comes on, an alarm will sound.

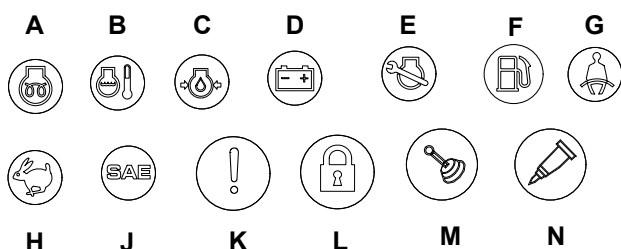


A Fuel level gauge

B Warning and indicator lamps

Fuel level: The needle position shows the fuel level.

Warning and Indicator Lamps



A	Engine pre-heat	Illuminate green when engine pre-heater is active.
B	Coolant temperature	Illuminate red when coolant temperature exceeds the pre-set value.

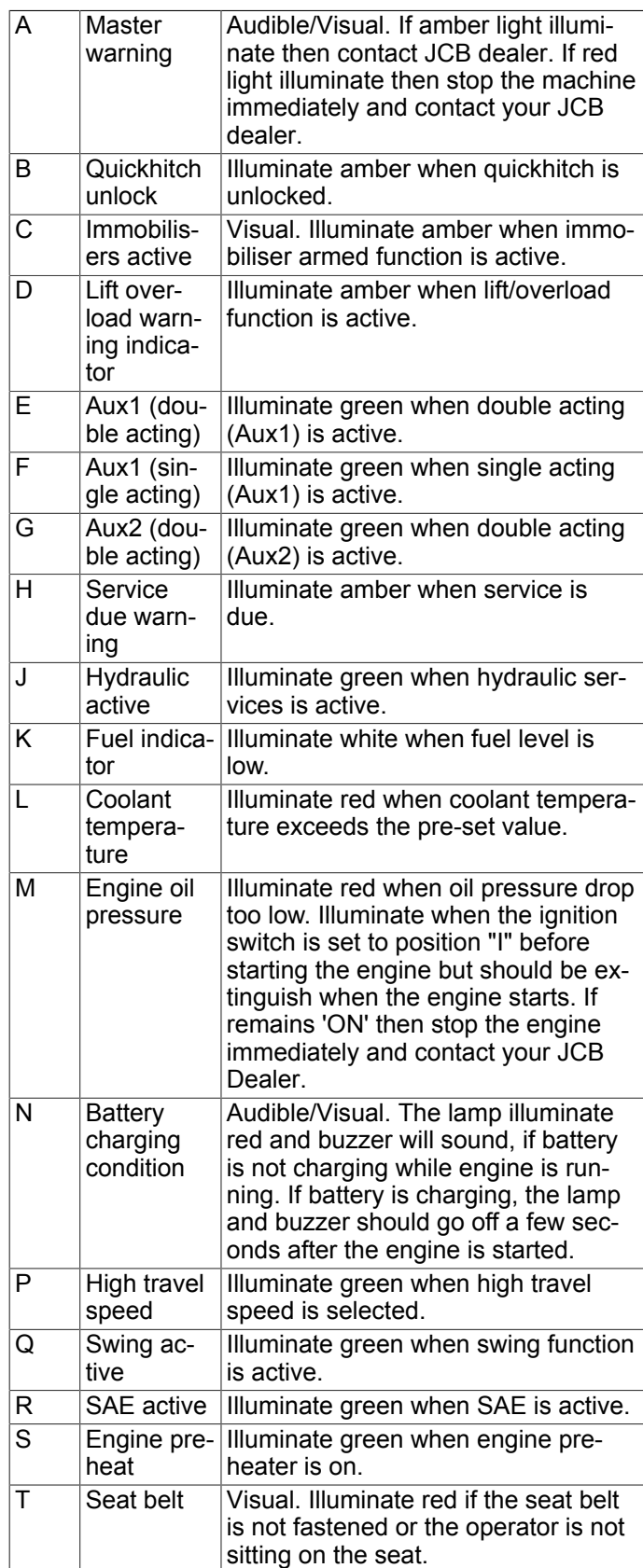
C	Engine oil pressure	Illuminate red when oil pressure drop too low. Illuminate when the ignition switch is set to position "I" before starting the engine but should be extinguish when the engine starts. If remains 'ON' then stop the engine immediately and contact your JCB Dealer.
D	Battery charging condition	Audible/Visual. The lamp illuminate red and buzzer will sound, if battery is not charging while engine is running. If battery is charging, the lamp and buzzer should go off a few seconds after the engine is started.
E	Service due warning	Illuminate amber when service is due.
F	Fuel indicator	Illuminate white when fuel level is low.
G	Seat belt	Visual. Illuminate red if the seat belt is not fastened or the operator is not sitting on the seat.
H	High travel speed	Illuminate green when high travel speed is selected.
J	SAE (Society of Automotive Engineers) active	Illuminate green when SAE is active.
K	Master warning	Audible/Visual. If amber light illuminate then contact JCB dealer. If red light illuminate then stop the machine immediately and contact your JCB dealer.
L	Immobilisers active	Visual. Illuminate amber when immobiliser armed function is active.
M	Hydraulic active	Illuminate green when hydraulic services is active.
N	Aux1 (single acting)	Illuminate green when single acting (Aux1) is active.

(For: 19C-1 PC [STV])

The gauges, warning and indicator lamps are grouped together on the instrument cluster. When a warning lamp comes on, an alarm will sound.

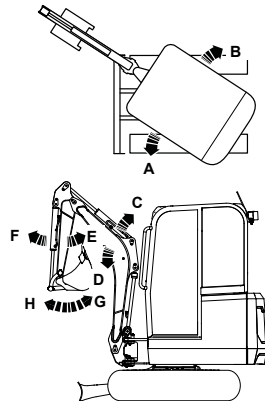
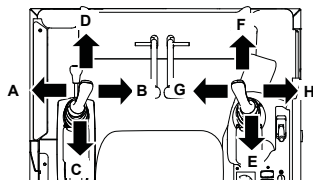


Warning and Indicator Lamps



Basic Controls

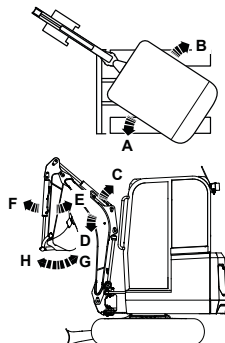
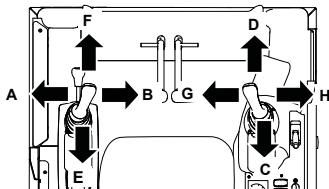
Excavator Levers (SAE Control Pattern)



- A** Slew cab left
- C** Raise boom
- E** Dipper in
- G** Crowd bucket (to gather a load)

- B** Slew cab right
- D** Lower boom
- F** Dipper out
- H** Dump bucket (to dump a load)

Excavator Levers (ISO Control Pattern)

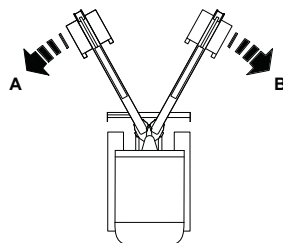
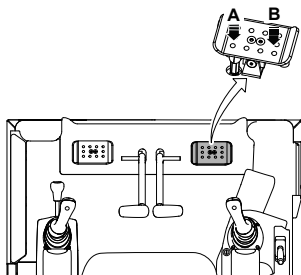


- A** Slew cab left
- C** Raise boom
- E** Dipper in
- G** Crowd bucket (to gather a load)

- B** Slew cab right
- D** Lower boom
- F** Dipper out
- H** Dump bucket (to dump a load)

Swing Controls

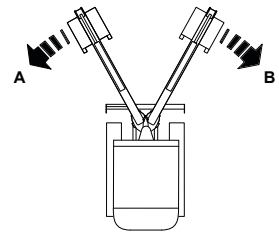
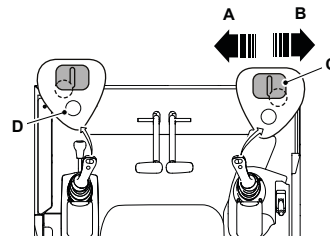
For: 15C-1, 16C-1, 18Z-1, 19C-1



- A** Swing left

- B** Swing right

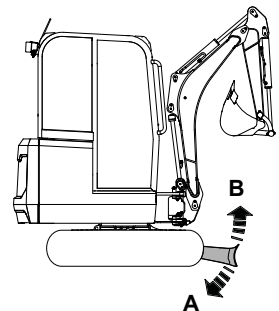
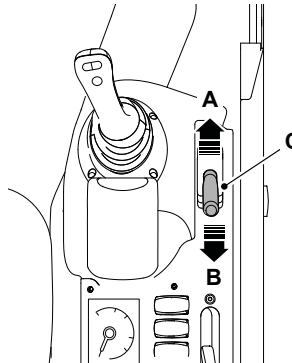
For: 19C-1 PC



- A** Swing left
- C** Thumb wheel

- B** Swing right
- D** Change over button

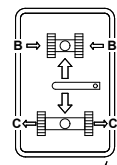
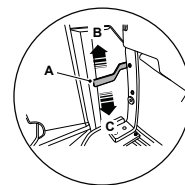
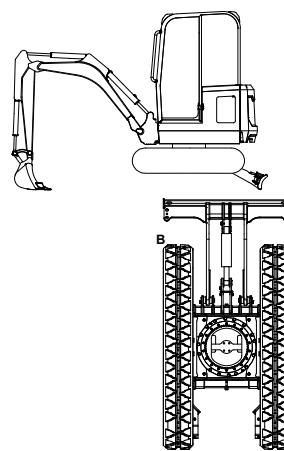
Dozer Blade Controls



- A** Lower the dozer
- C** Control lever

- B** Raise the dozer

Retractable Undercarriage Controls

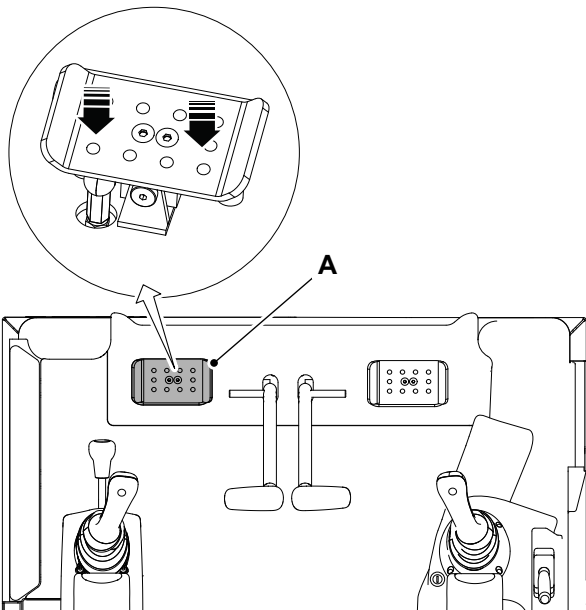


- A** Track extension lever
- C** Downward-extend

- B** Upward-retract

Auxiliary Circuit Controls

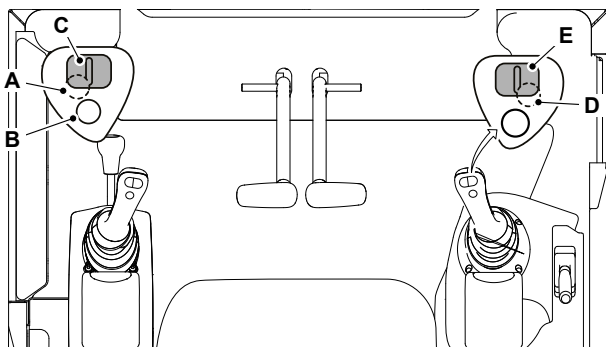
For: 15C-1, 16C-1, 18Z-1, 19C-1



A Auxiliary pedal

Electro-proportional Controls

For: 19C-1 PC



A Tilt/grab changeover for tilt-rotator

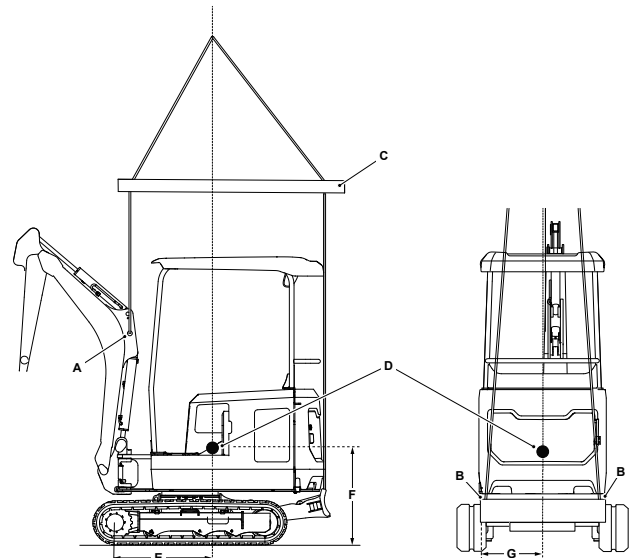
C Left thumb wheel control - AUX2

E Right thumb wheel control- AUX1 or boom swing

B Boom swing/AUX changeover

D Right finger button - hammer continuous flow

Lifting Points



A Boom lift point

C Spreader bar

E Dimension= 625mm
(15C-1), 625mm
(16C-1), 632mm
(18Z-1), 809mm
(19C-1), 817mm
(19C-1 PC)

G Dimension= 354mm
(15C-1), 354mm
(16C-1), 528mm
(18Z-1), 528mm
(19C-1), 528mm

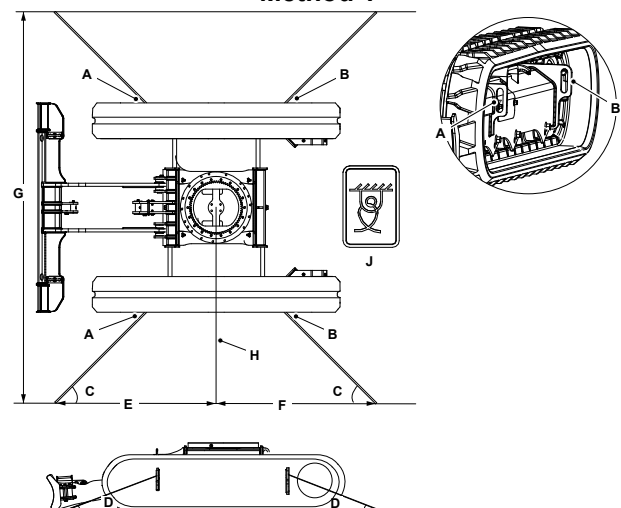
B Dozer blade lift point

D Centre of gravity

F Dimension= 764mm
(15C-1), 764mm
(16C-1), 659mm
(18Z-1), 892mm
(19C-1), 786mm

Tie Down Points

Method 1



A Front undercarriage track leg tie-down points

C Angle = 25° to 45°
E Length = 1,723mm to 1,027mm

G Length = 2,500mm

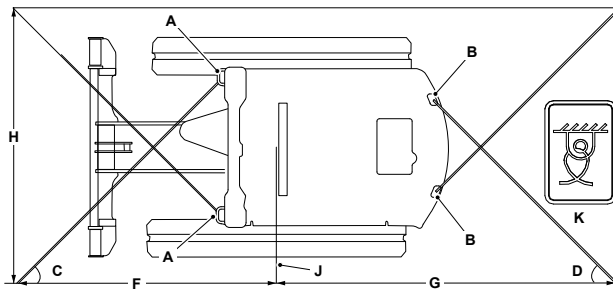
B Rear undercarriage track leg tie-down points

D Angle = 9° to 15°
F Length = 1,726mm to 1,023mm

H Slew ring centre line

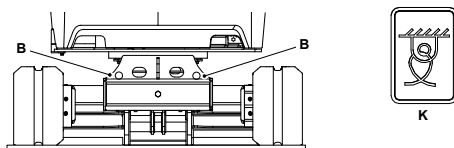
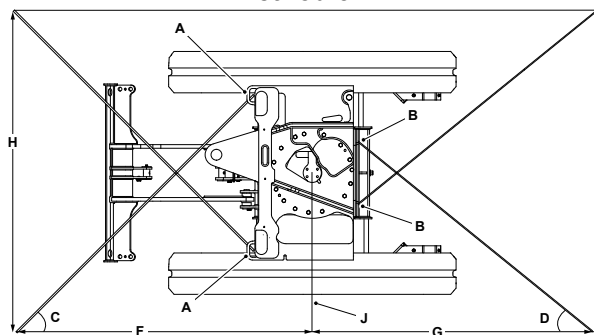
J Tie down decal

Method 2



- A** Front slew spine tie-down points
B Rear slew spine tie-down points
C Angle = 35° to 46°
D Angle = 45° to 60°
E Angle = 9° to 15°
F Length = 2,499mm to 1,846mm
G Length = 2,720mm to 1,943mm
H Length = 2,500mm
J Slew ring centre line
K Tie down decal

Method 3



- A** Front slew spine tie-down points
B Rear undercarriage turret tie-down points
C Angle = 35° to 46°
D Angle = 35° to 45°
E Angle = 9° to 15°
F Length = 2,499mm to 1,846mm
G Length = 2,282mm to 1,670mm
H Length = 2,500mm
J Slew ring centre line
K Tie down decal

Operator Maintenance Tasks

Component	Task	10	50
ENGINE			
Oil level	Check	○	○

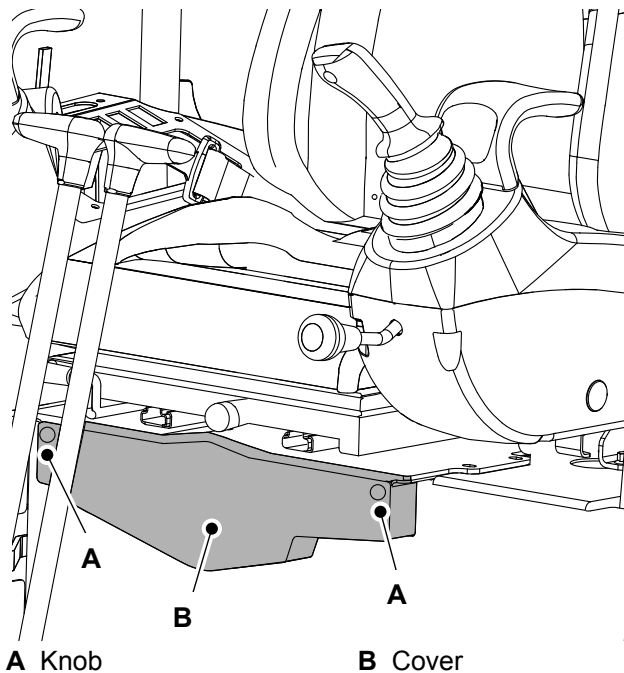
Component	Task	10	50
Air Filter (Dusty Conditions only)	Check		○
Air Filter Dust Valve (Dusty Condition Only)	Check and Clean		○
Coolant Quality/Level	Check	○	○
Fuel Sedimenter	Drain and Clean		○
Fan Belt condition/tension	Check		○
Cooling Pack	Clean/Check	○	○
Exhaust Smoke (excessive)	Check	○	○
Fuel System - Leaks and Contamination	Check	○	○
HYDRAULICS			
Oil Level	Check	○	○
Rams - Chrome Condition	Check		○
Operation All Services - Excavator, Dozer etc.	Check (operation)	○	○
Hoses and Pipework- Damage/Leaks ⁽¹⁾	Check (operation)		○
ELECTRICS			
All Electrical Equipment Operation (e.g. warning lights, beacon, alarms, horns, wipers etc.	Check (operation)	○	○
Wiring for Chaffing/Routing	Check		○
Battery Terminals for Condition and Tightness	Check		○
Hourmeter	Check (operation)	○	○
UNDERCARRIAGE			
Track Plate Condition and Bolt Torque	Check		○
Track Tension	Check		○
Track and running gear	Check (operation)	○	○
BODYWORK AND CAB			
All Pivot Pins Retaining Bolts security	Check		○
Visual inspection of structure for damage including welds around lifting points and excavator end main pivots	Check	○	○
Slew Ring Bearing	Lubricate		○
Door/Window Hinges	Lubricate		○

Component	Task	10	50
Windscreen Washer Fluid Level	Check	○	○
General machine condition	Check and Clean	○	○
ATTACHMENTS			
Quick Hitch	Lubricate	○	○
OPTIONAL EQUIPMENT			
As Required	Check	○	○

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

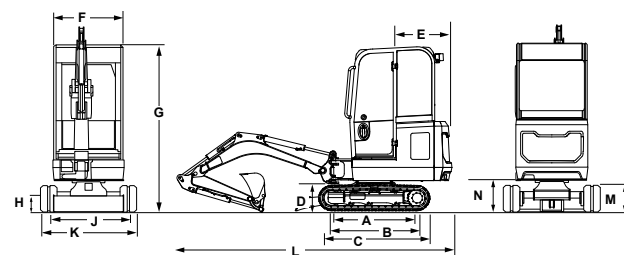
Fuses and Relays

1. Make the machine safe.
2. There are fuses and relays behind a panel under the seat.
 - 2.1. Loosen the knob.
 - 2.2. Open the cover to get access to the relays.



Dimensions

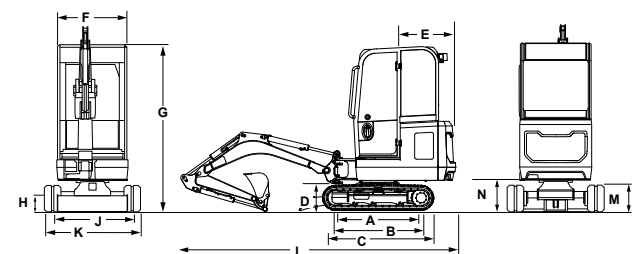
(For: 15C-1 [STV])



Item	Description	Dimensions
A	Sprocket idler centres - rubber	1,218mm
B	Track length on ground	1,220mm

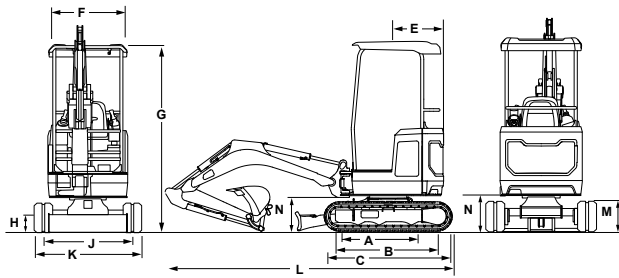
Item	Description	Dimensions
C	Undercarriage overall length - rubber	1,578mm
	Undercarriage overall length - steel	1,578mm
D	Kingpost clearance	409mm
E	Tailswing radius	1,103mm
F	Overall width of superstructure	996mm
G	Height over cab	2,342mm
	Height over canopy	2,342mm
H	Ground clearance	162mm
J	Track gauge- Retracted	750mm
K	Width over tracks/Rubber/Steel- Retracted	980mm
L	Transport length 950mm dipper	3,860mm
M	Track height	367mm
N	Counterweight clearance	434mm

(For: 16C-1 [STV])



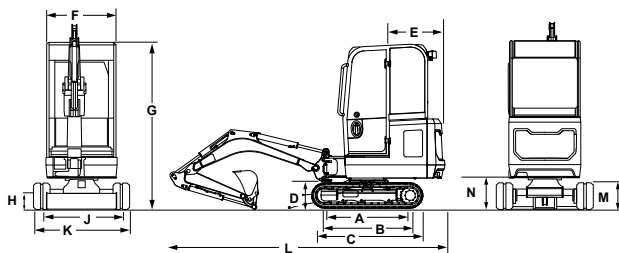
Item	Description	Dimensions
A	Sprocket idler centres - rubber	1,218mm
B	Track length on ground	1,220mm
C	Undercarriage overall length - rubber	1,578mm
	Undercarriage overall length - steel	1,578mm
D	Kingpost clearance	409mm
E	Tailswing radius	1,103mm
F	Overall width of superstructure	996mm
G	Height over cab	2,324mm
	Height over canopy	2,342mm
H	Ground clearance	162mm
J	Track gauge- Retracted	750mm
	Track gauge- Extended	1,110mm
K	Width over tracks/Rubber/Steel- Retracted	980mm
	Width over tracks/ steel- Extended	1,330mm
L	Transport length 950mm	3,860mm
L	Transport length 1,100mm	3,862mm
M	Track height	367mm
N	Counterweight clearance	434mm

(For: 18Z-1 [STV])



Item	Description	Dimensions
A	Sprocket idler centres - rubber	1,218mm
B	Track length on ground	1,220mm
C	Undercarriage overall length - rubber	1,578mm
	Undercarriage overall length - steel	1,578mm
D	Kingpost clearance	409mm
E	Tailswing radius	685mm
F	Overall width of superstructure	996mm
G	Height over canopy	2,340mm
H	Ground clearance	162mm
J	Track gauge- Retracted	750mm
	Track gauge- Extended	1,110mm
K	Width over tracks/Rubber/Steel- Retracted	980mm
	Width over tracks/ steel- Extended	1,330mm
L	Transport length - 950mm dipper	3,547mm
L	Transport length - 1,100mm dipper	3,549mm
M	Track height	367mm
N	Counterweight clearance	434mm

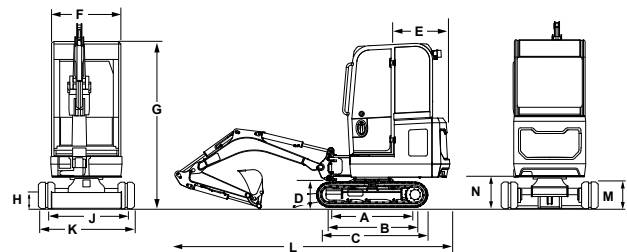
(For: 19C-1 [STV])



Item	Description	Dimensions
A	Sprocket idler centres - rubber	1,218mm
B	Track length on ground	1,220mm
C	Undercarriage overall length - rubber	1,578mm
	Undercarriage overall length - steel	1,578mm
D	Kingpost clearance	409mm
E	Tailswing radius	1,103mm
F	Overall width of superstructure	996mm

Item	Description	Dimensions
G	Height over cab	2,324mm
	Height over canopy	2,342mm
H	Ground clearance	162mm
J	Track gauge- Retracted	750mm
	Track gauge- Extended	1,110mm
K	Width over tracks/Rubber/Steel- Retracted	980mm
	Width over tracks/ steel- Extended	1,330mm
L	Transport length - 950mm dipper	3,860mm
L	Transport length - 1,100mm dipper	3,862mm
L	Transport length - 1,344mm dipper	3,815mm
M	Track height	367mm
N	Counterweight clearance	434mm

(For: 19C-1 PC [STV])



Item	Description	Dimensions
A	Sprocket idler centres - rubber	1,218mm
B	Track length on ground	1,220mm
C	Undercarriage overall length - rubber	1,578mm
	Undercarriage overall length - steel	1,578mm
D	Kingpost clearance	409mm
E	Tailswing radius	1,103mm
F	Overall width of superstructure	996mm
G	Height over cab	2,324mm
	Height over canopy	2,342mm
H	Ground clearance	162mm
J	Track gauge- Retracted	750mm
	Track gauge- Extended	1,110mm
K	Width over tracks/Rubber/Steel- Retracted	980mm
	Width over tracks/ steel- Extended	1,330mm
L	Transport length - 950mm dipper	3,860mm
L	Transport length - 1,100mm dipper	3,862mm
L	Transport length - 1,344mm dipper	3,815mm
M	Track height	367mm
N	Counterweight clearance	434mm