

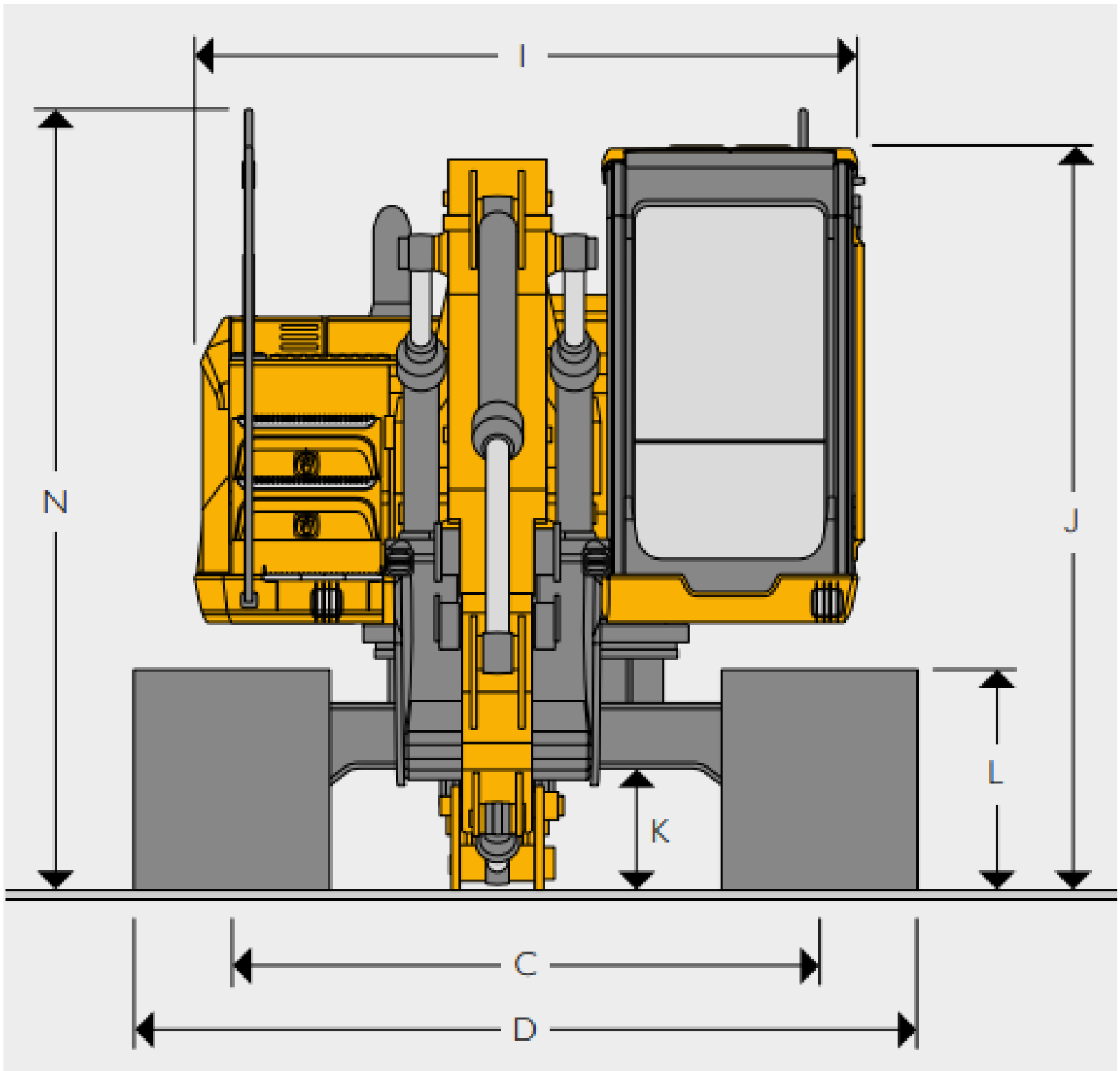
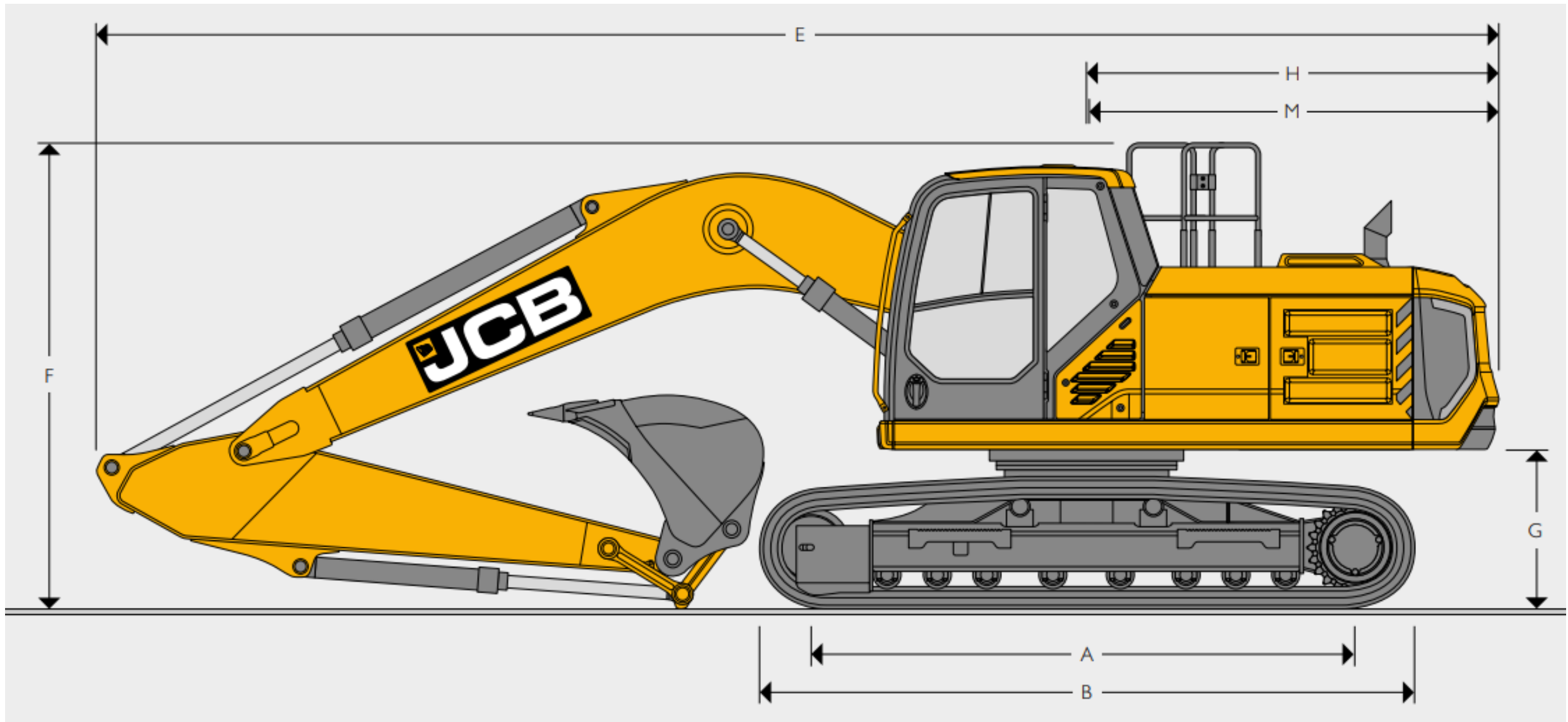
QUICK REFERENCE GUIDE | 220X



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.

Static Dimensions

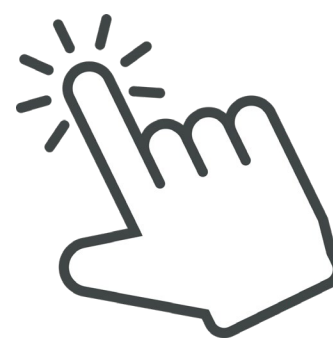
Machine Model			220X
			LC
A	Track Length on ground	ft-in	12-0
B	Undercariage Overall Length	ft-in	14-6
C	Track Gauge	ft-in	7-8
D	Width of track (800 mm)	ft-in	10-5
E	Counterweight Clearance	ft-in	3-5
F	Tail Length	ft-in	9-2
G	Overall width of superstructure	ft-in	8-9
H	Height over cab	ft-in	9-9
I	Ground Clearance	ft-in	1-6
J	Track Height	ft-in	2-9
K	Tail swing radius	ft-in	9-3
L	Overall height of upper structure (height over grab rail)	ft-in	10-4
M	Rated gross power (ISO 3046-INF)		173 hp



Start Up Sequence

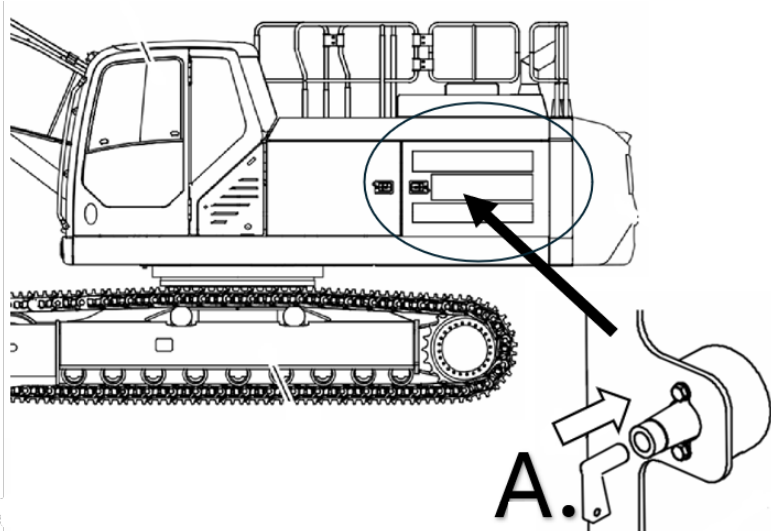


How To: Start Up



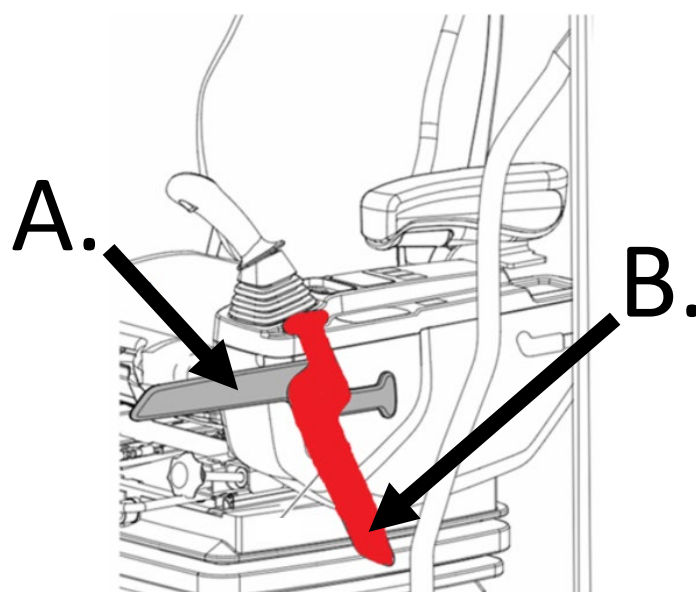
1 Insert Isolator Key

Insert isolator key (A) and turn in a clockwise direction.



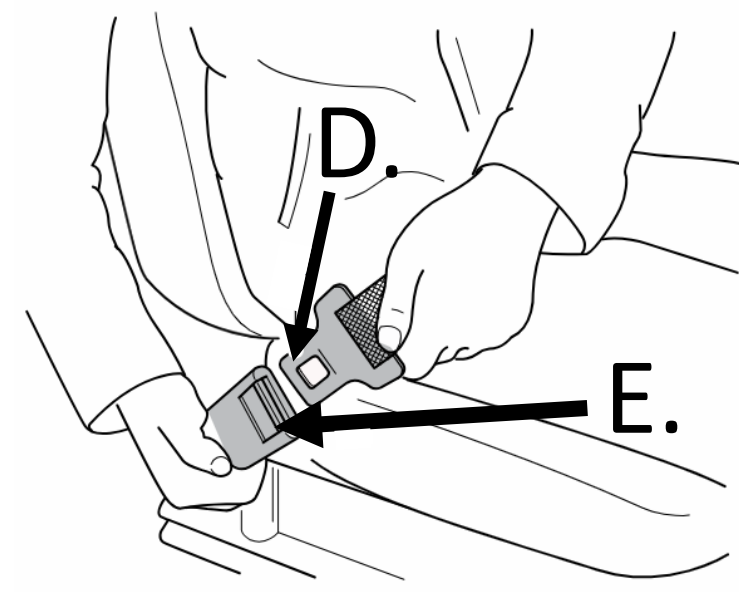
2 Check Isolation Lever

Ensure the hydraulic isolation lever is in the lower position (B).



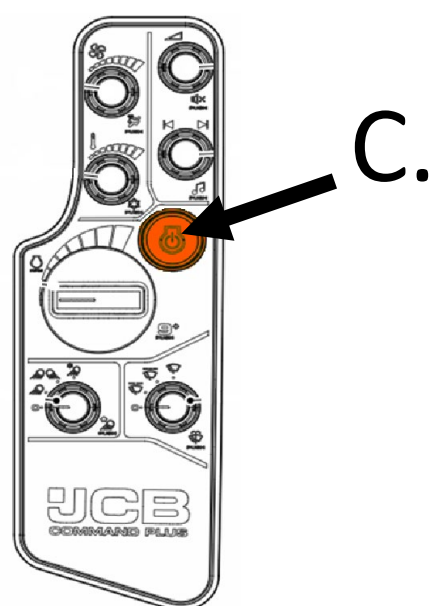
3 Engage Seat Belt

Engage seat belt (D) into latch (E) before starting machine.



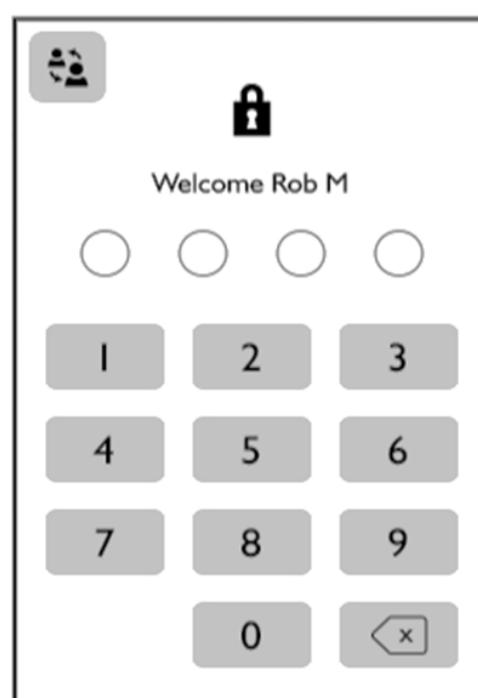
4 Turn on Display

Press the Start/Stop button (C) to turn the machine display on.



5 Enter Passcode

If required, enter 4-digit passcode for the profile.



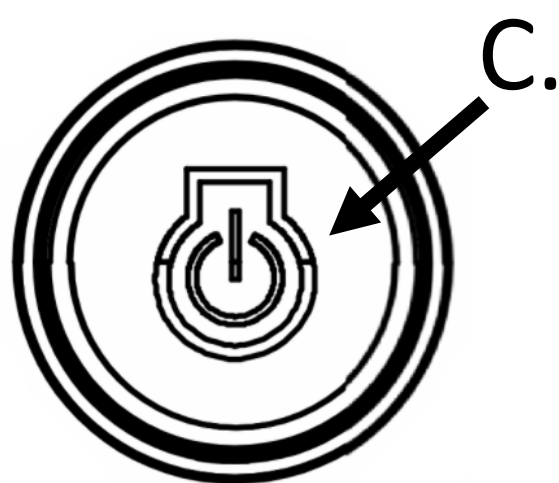
6 Confirm Profile

Once familiar with controls, confirm the profile by pressing activate on the display.



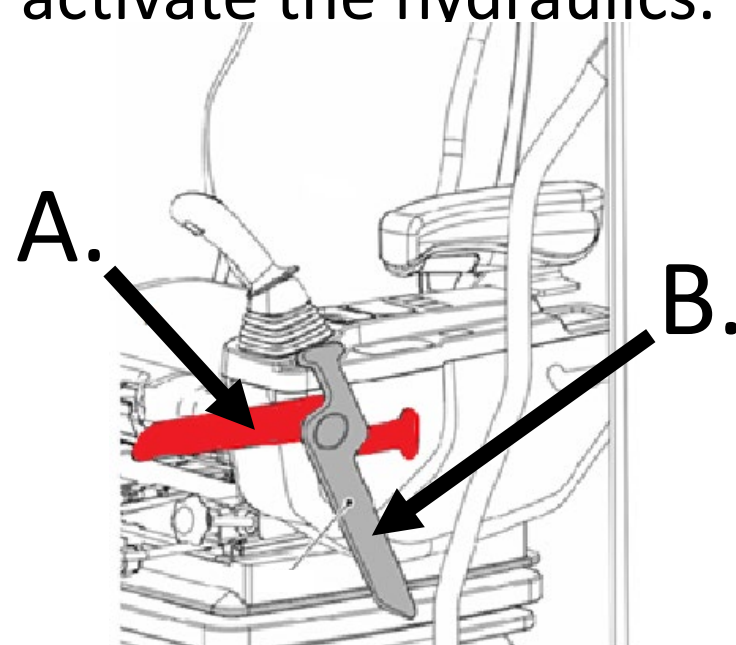
7 Start Machine

Hold down the Start/Stop button (c) (over 2secs) until the machine starts.



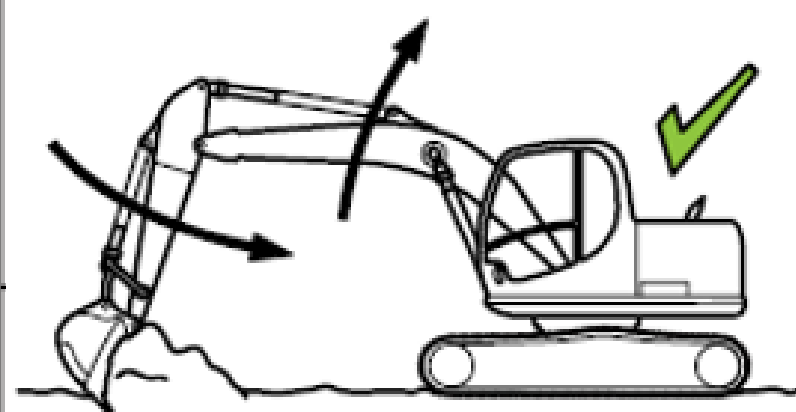
8 Raise LH Isolator Lever

Raise the left-hand isolator lever (A) to activate the hydraulics.

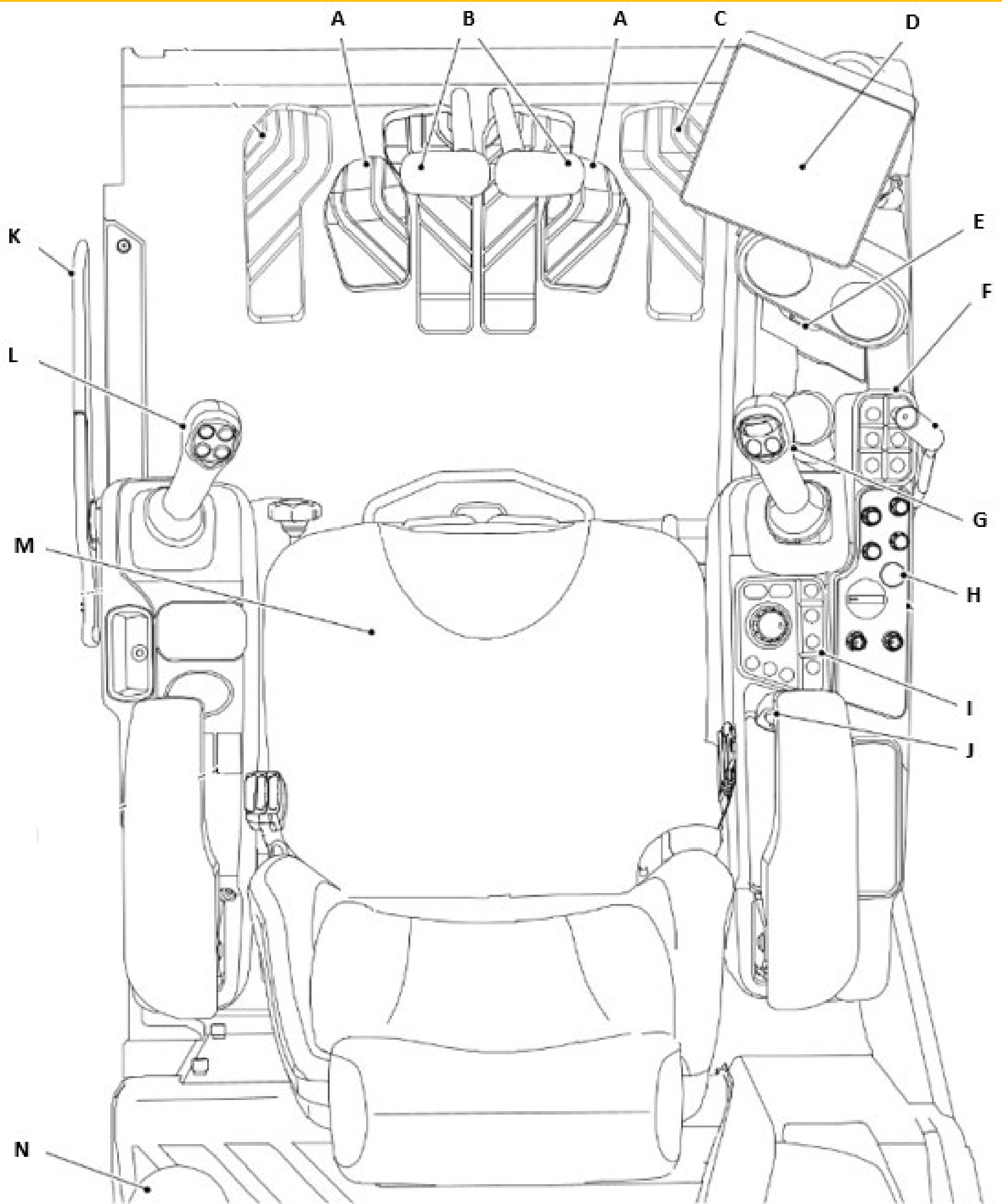


9 Operate Machine

All controls are now active, and the machine is now ready to use.



Cab and Switch Panel

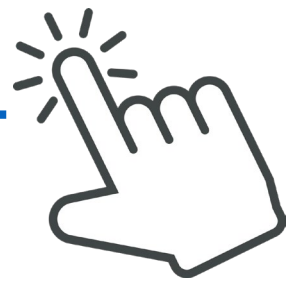


- A. Footrest
- B. Track Controls
- C. Auxiliary Foot Pedal
- D. Display Unit
- E. USB-C Connector
- F. Switch Panel
- G. Right Joystick
- H. Ignition on/off, engine start/stop button
- I. Display control panel
- J. Auxiliary power socket
- K. Control isolation lever
- L. Left Joystick
- M. Operator seat
- N. Fire extinguisher

How To Change Between ISO & SAE



[How To: Change Control Pattern](#)



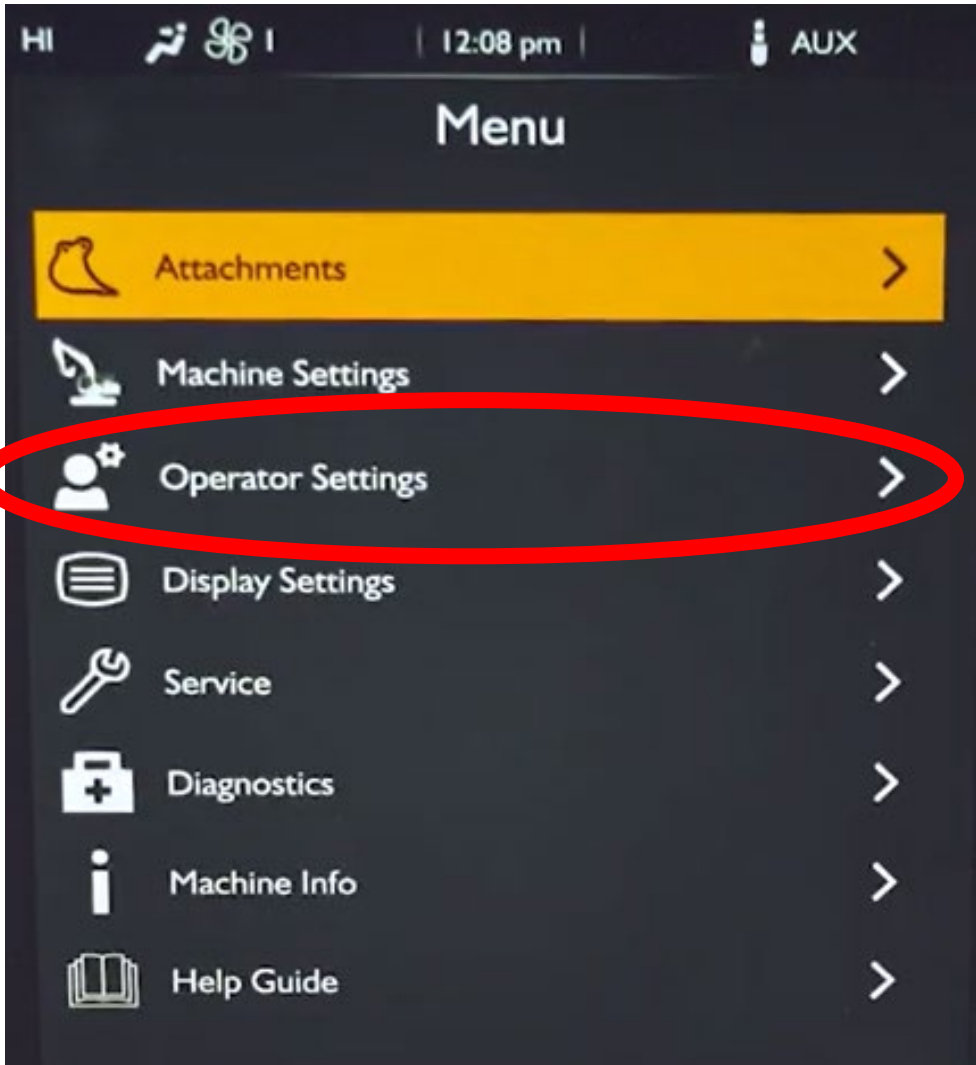
1 Starting Changeover

Select menu tab located at the bottom middle of the display screen.



2 Navigate Menu

Once in the menu, proceed by selecting the Operator Settings tab.



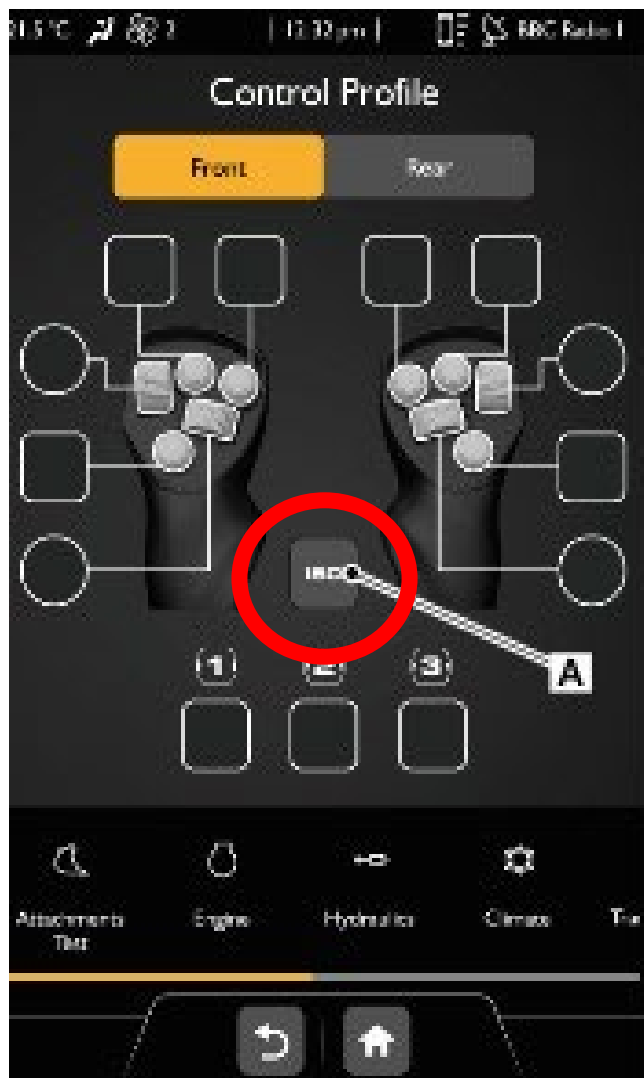
3 Select Settings

In operator settings you can continue to profile by selecting the Control Profile tab.

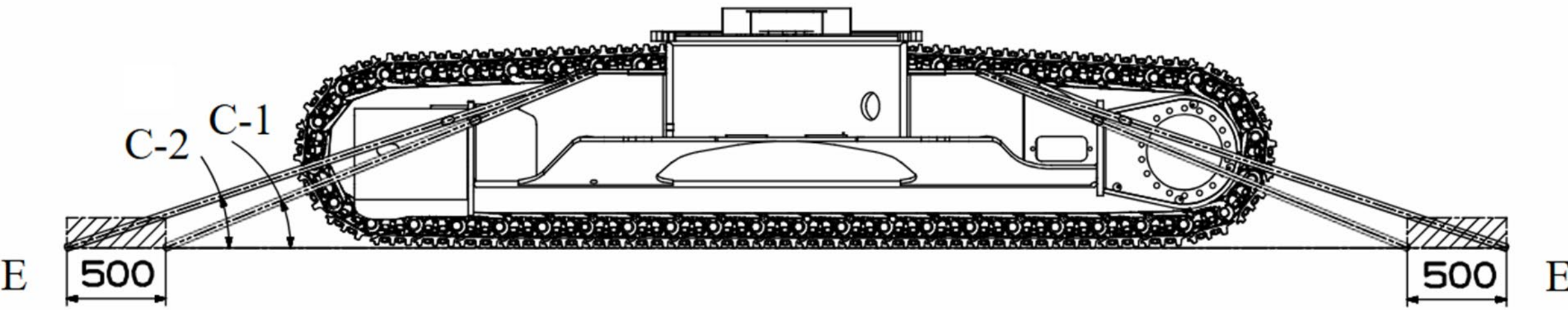
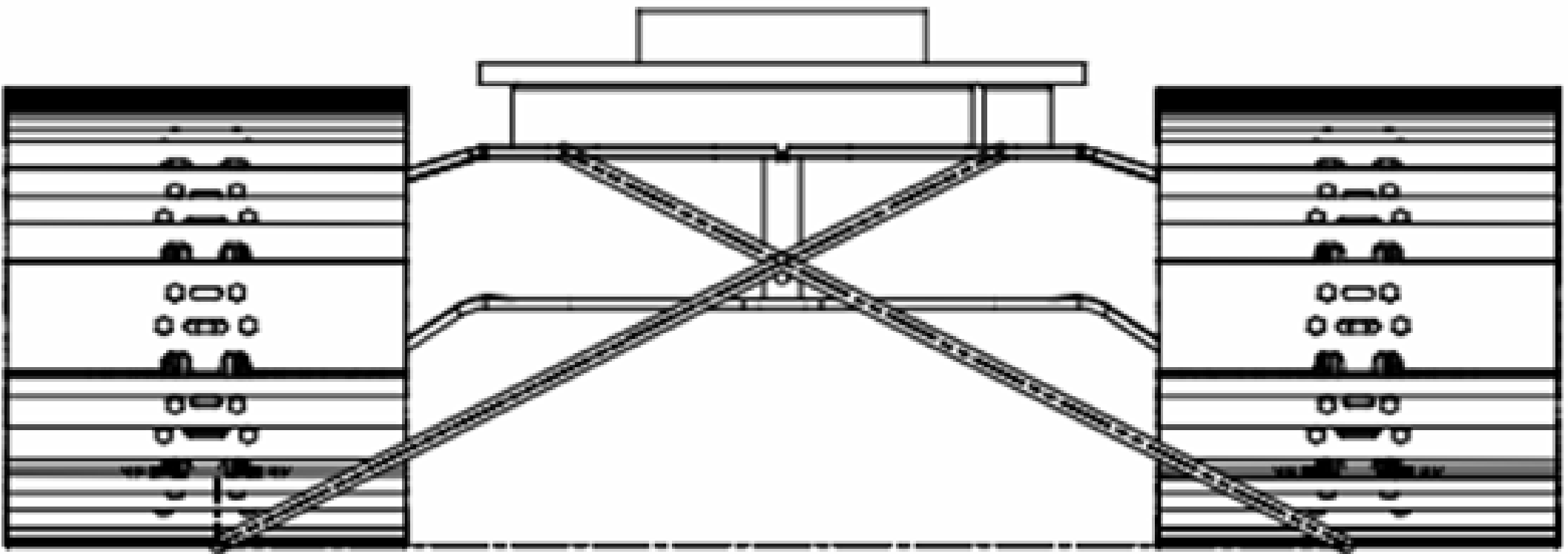
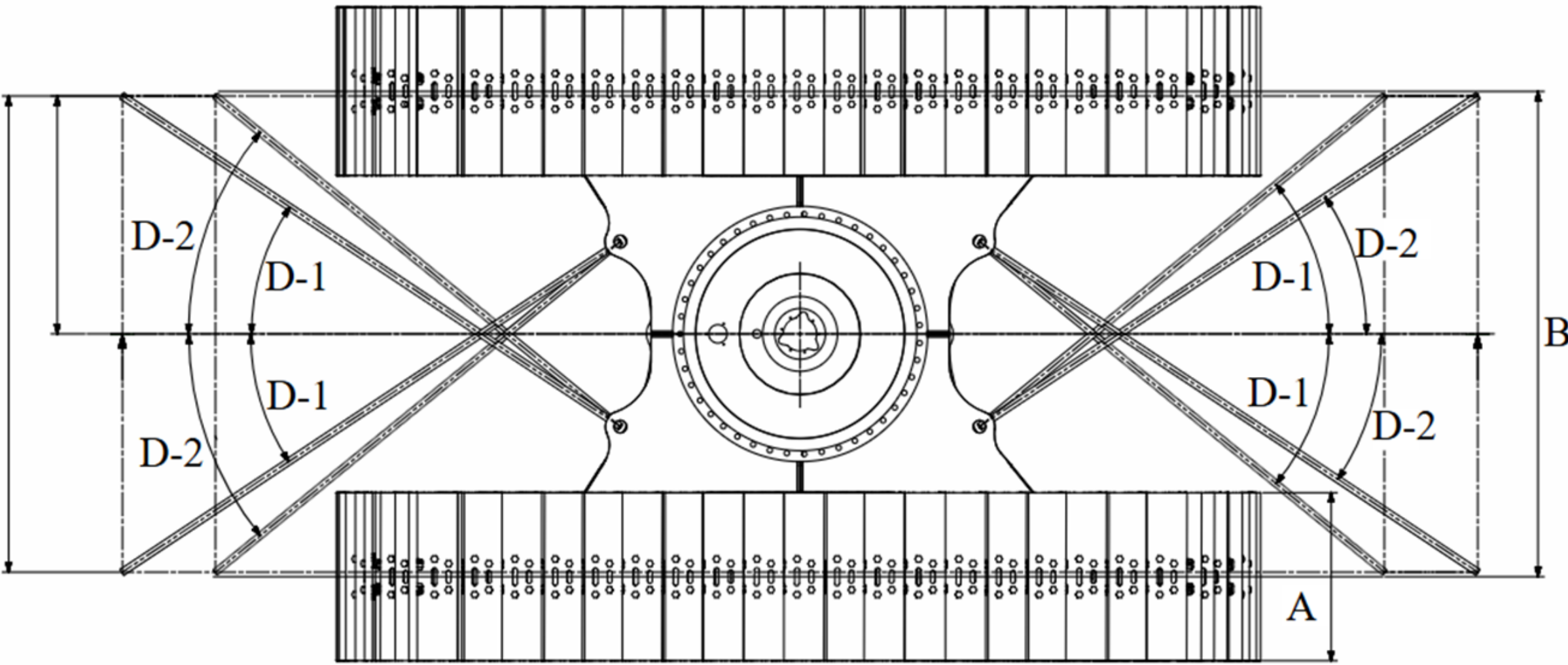


4 Change Profile

Once in user profile you can click the ISO/SAE tab located in the middle of the screen. After doing so you can proceed by selecting preferred pattern.



Tie Down Points

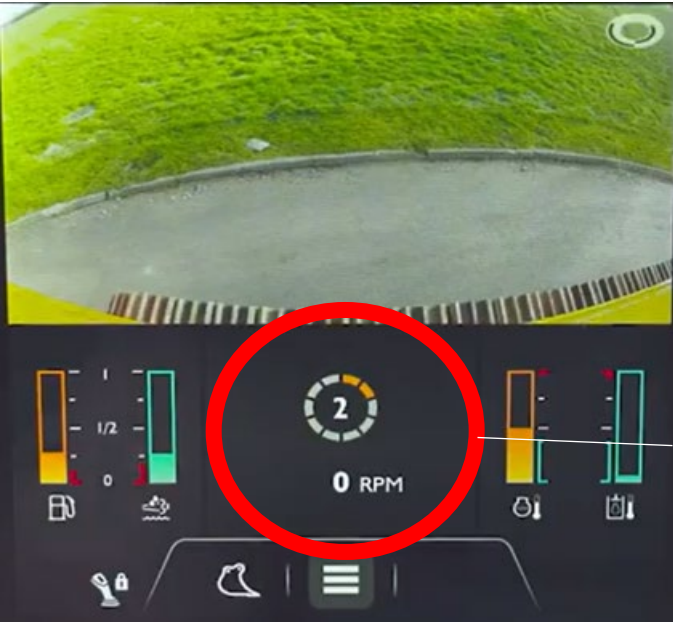


Changing Working Speed

1

Mode & Speed

Machine working speed and mode is shown on the machine display (A). Both mode number and engine RPM will be displayed.



A

2

Speed Change

To increase the working speed, rotate the engine speed control (B) clockwise.



B

3

Max Performance

To achieve maximum performance, rotate the engine speed control (B) fully clockwise until 9, then push the dial (B) down. The machine display will show 9+, which is the maximum working speed.



Changing Operating Modes

1

Working Mode

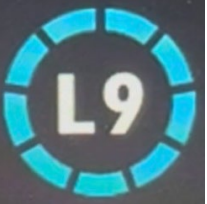
Working mode is displayed on the machine display. There are 3 works modes:



Power Mode
(1 - 9+)



Eco Mode
(1 - 9+)



Lift Mode
(1 - 9)

2

Mode Change

Press the work mode button (C) to change the required working mode

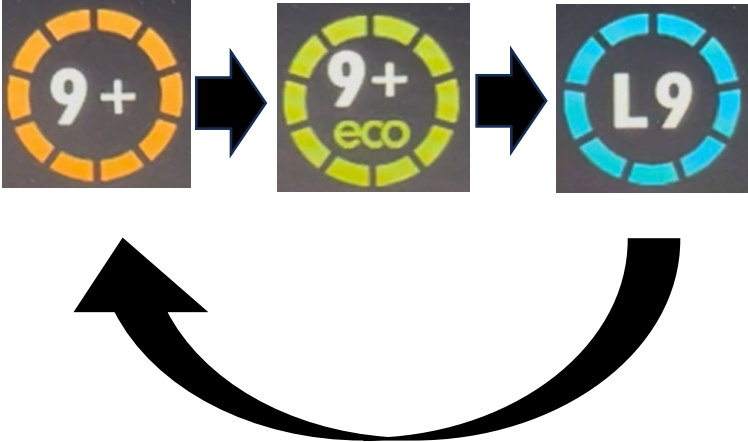


C

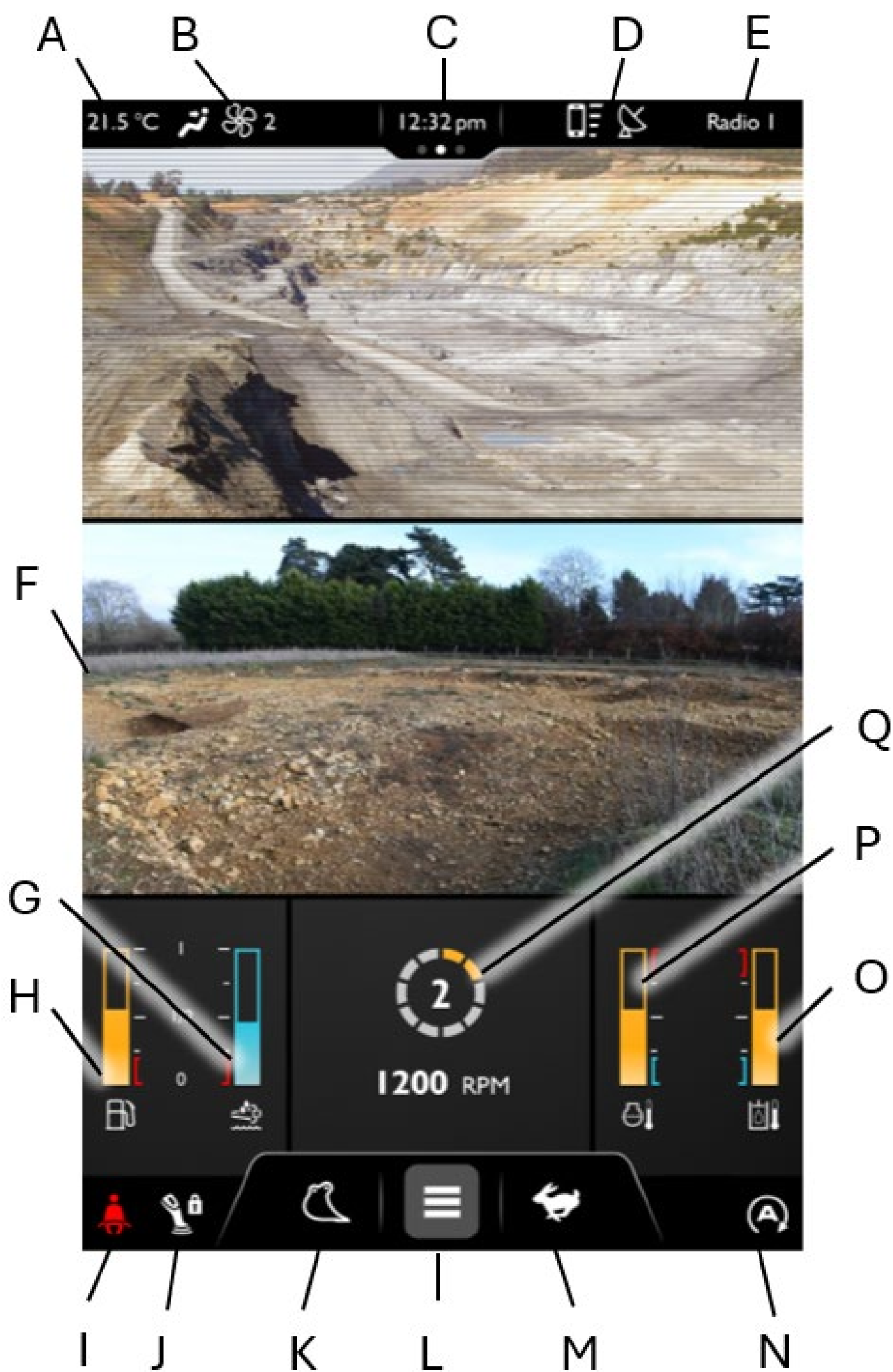
3

Mode Sequence

Working mode will cycle on display from Power to Eco to Lifting and then back to Power on each press of the work mode button.



Instrument Panel

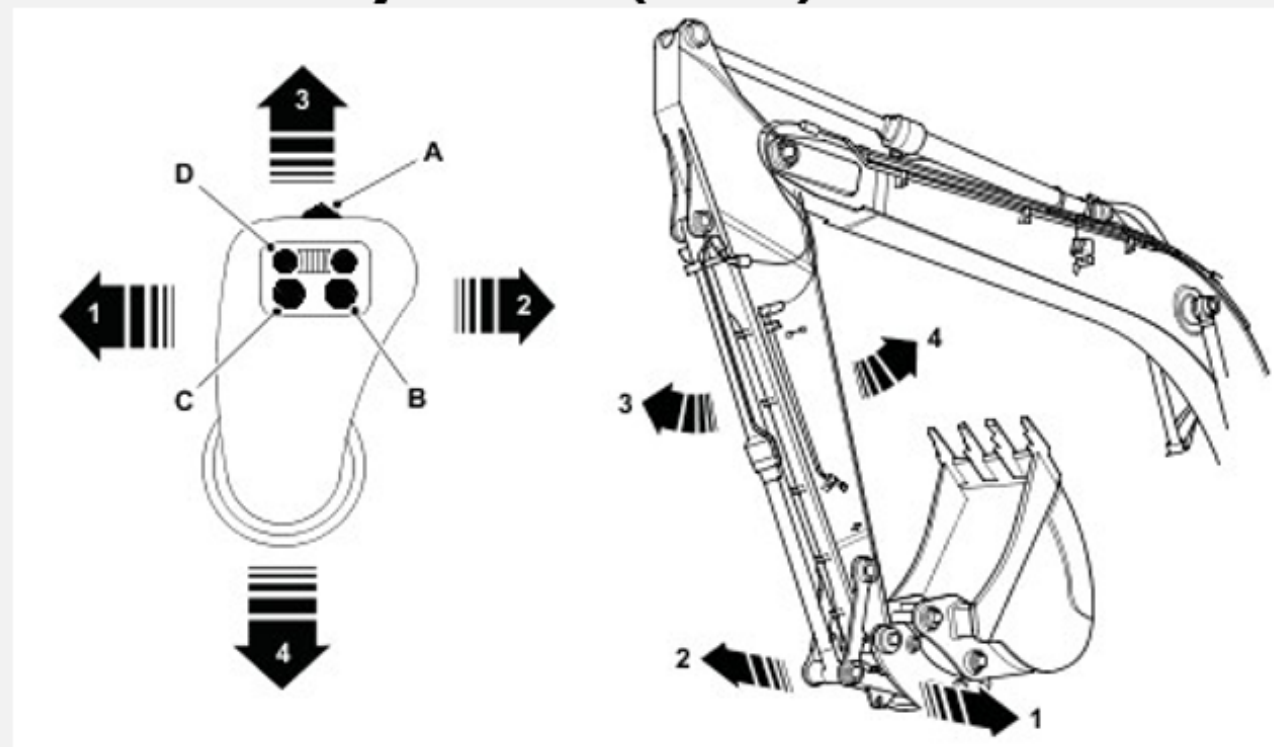


- A. Climate temperature
- B. Fan speed/direction
- C. Clock
- D. Bluetooth phone connection (only visible if Bluetooth is connected)
- E. Bluetooth / Radio info.
- F. Camera(s) screen (if camera mode selected)
- G. DEF (Diesel Exhaust Fluid) level gauge
- H. Diesel level gauge
- I. Seat belt status
- J. Controls isolation status (locked / unlocked)
- K. Attachment
- L. Menu
- M. Travel speed (Low / High)
- N. Auto stop status
- O. Hydraulic oil temperature
- P. Engine coolant temperature
- Q. Engine speed/power band/mode

Excavator End Controls

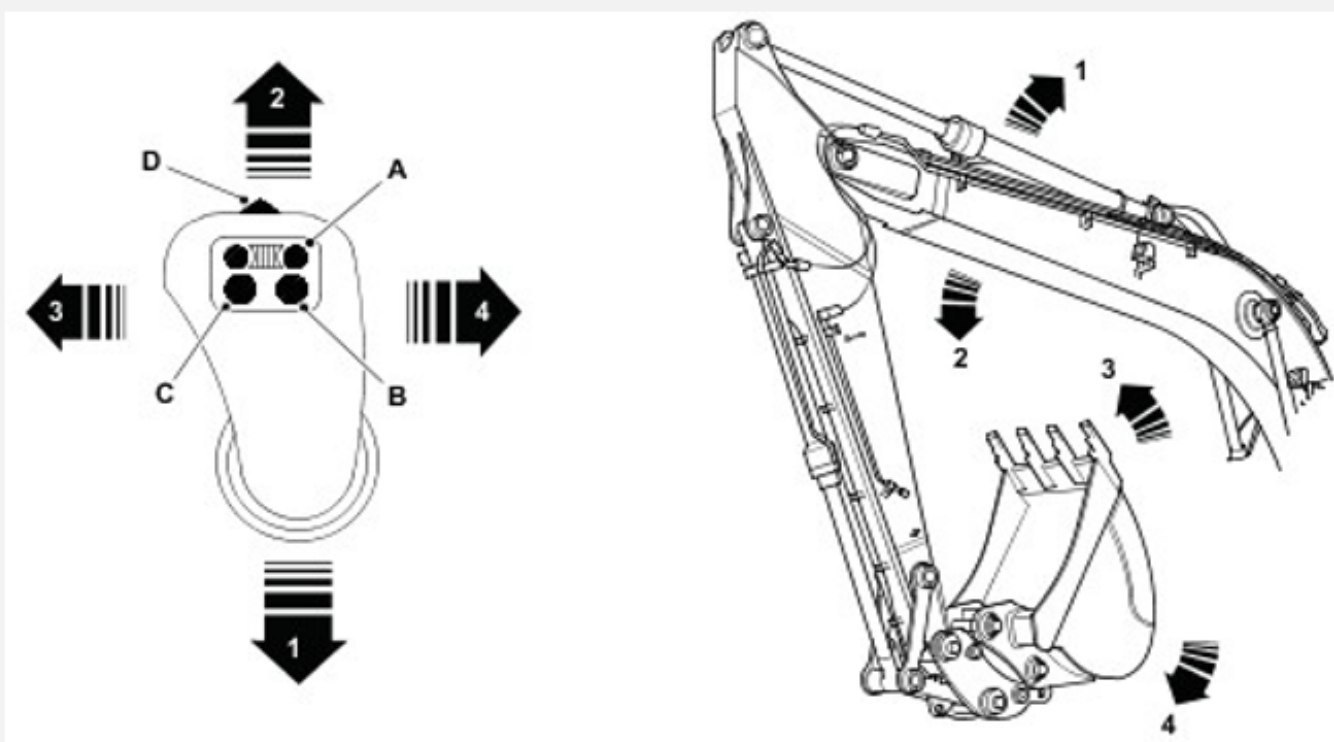
ISO CONTROLS

Left Joystick (ISO)



1. Slew to the left
2. Slew to the right
3. Move dipper outwards
4. Move dipper inwards

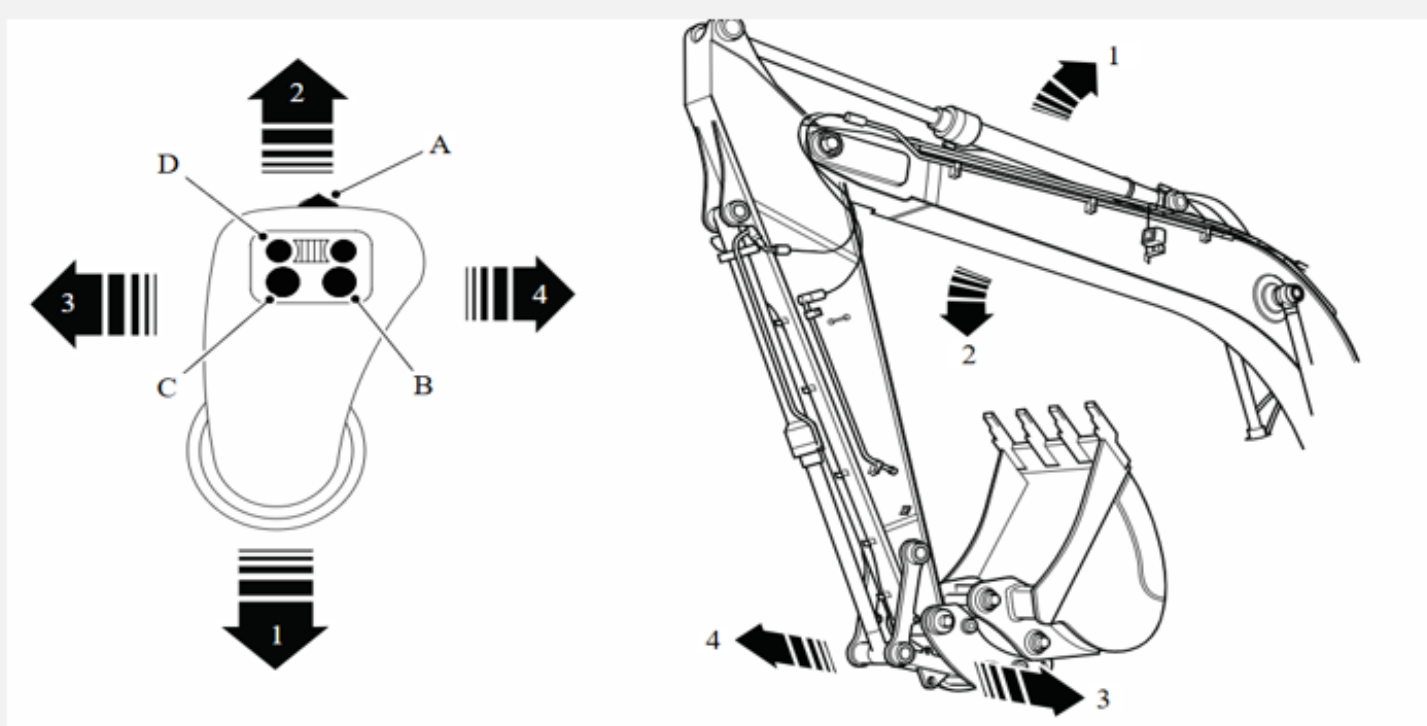
Right Joystick (ISO)



1. Raise the boom
2. Lower the boom
3. Fill the bucket
4. Empty the bucket

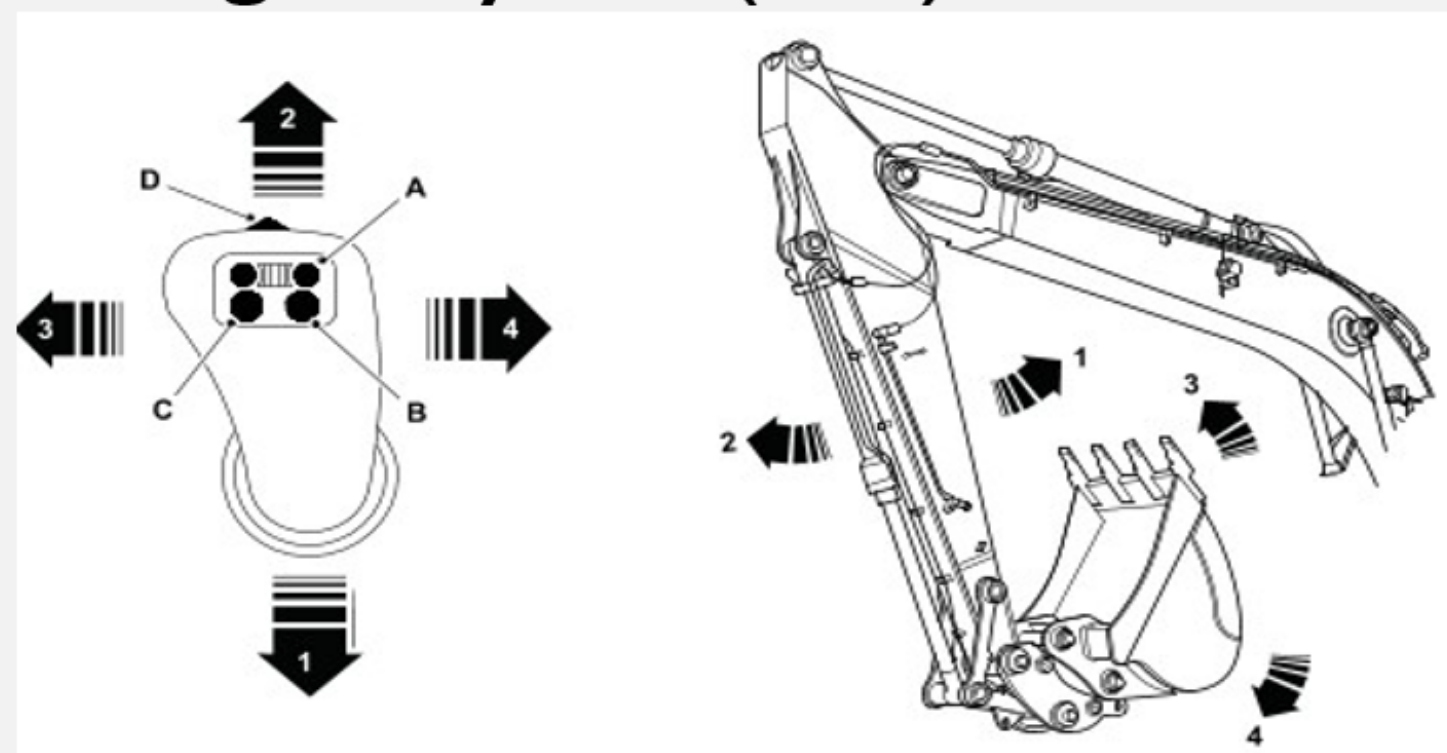
SAE CONTROLS

Left Joystick (SAE)



1. Raise Boom
2. Lower Boom
3. Slew Left
4. Slew Right

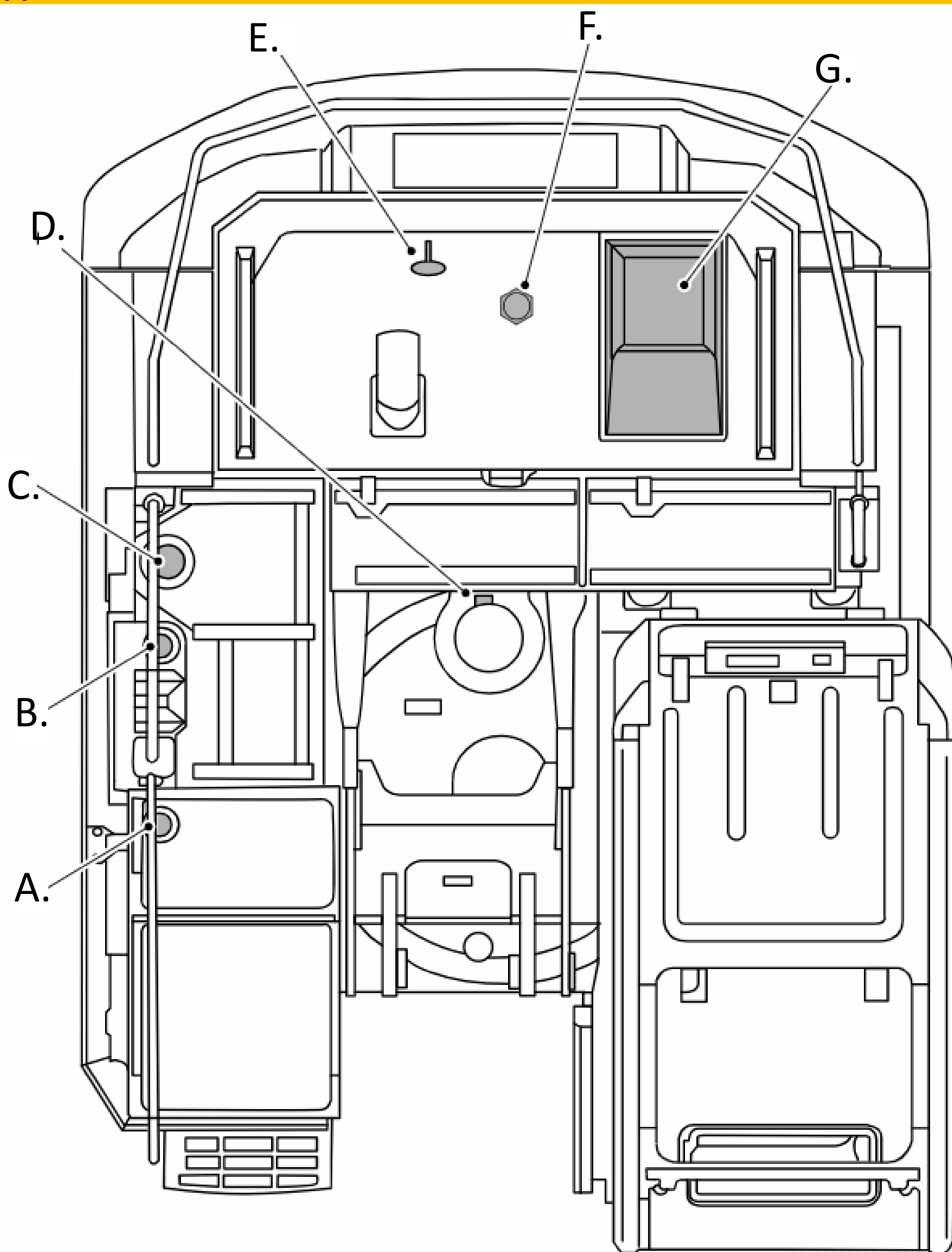
Right Joystick (SAE)



1. Dipper In
2. Dipper Out
3. Bucket Fill
4. Bucket Dump

Service Points

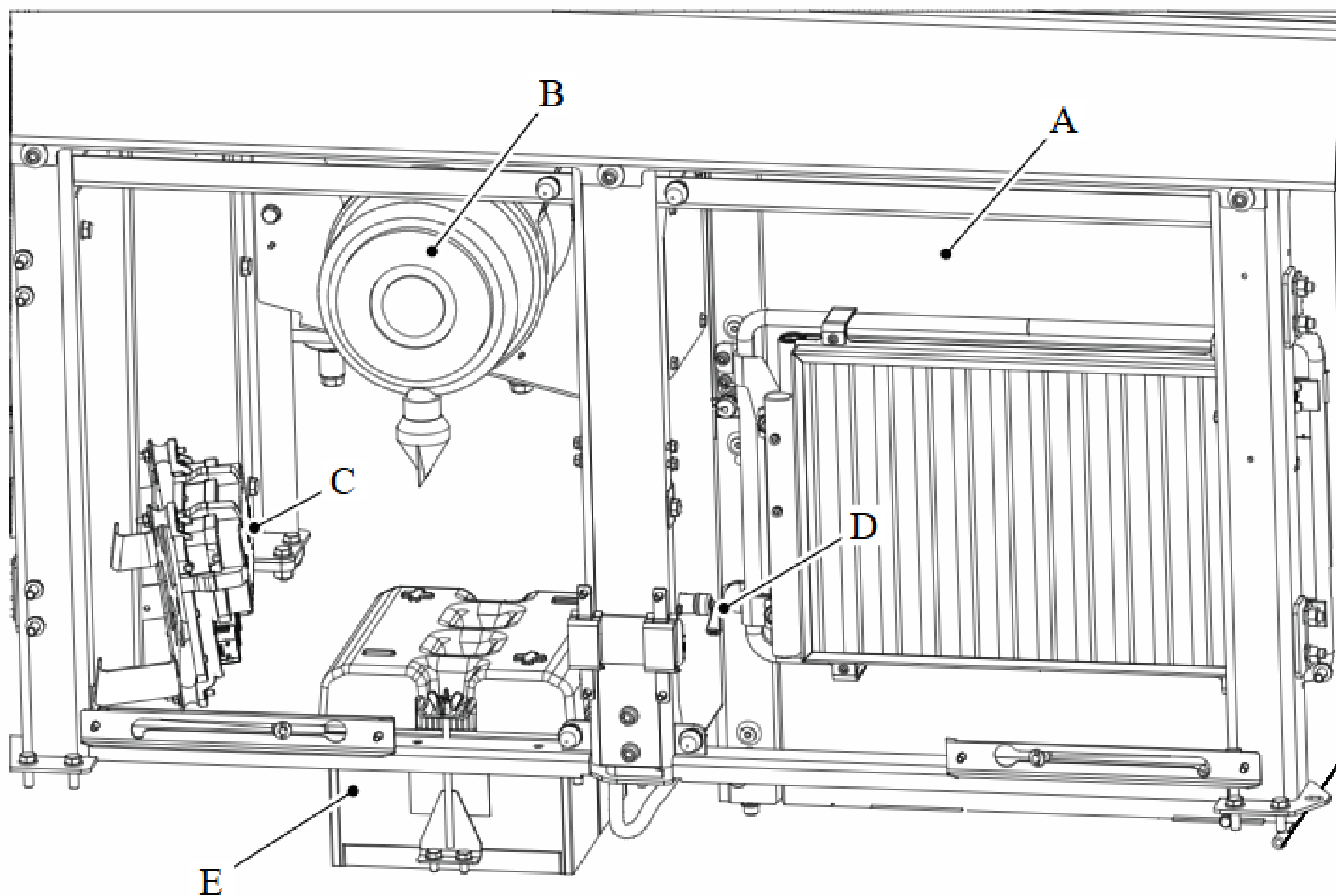
Upper Structure



- A. DEF Filler Cap
- B. Diesel Fuel Filler Cap
- C. Hydraulic Oil Filler Cap
- D. Slew Gearbox Dipstick
- E. Engine Oil Dipstick
- F. Engine Oil Filler Cap
- G. Coolant Expansion Tank

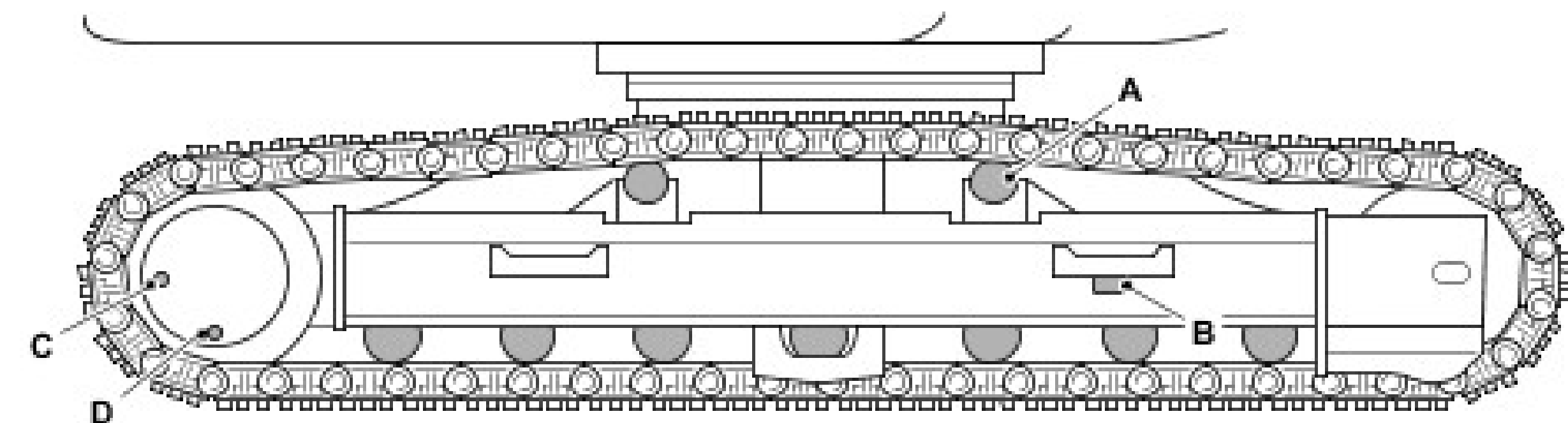
Service Points

Battery and Radiator Compartment



- A.Radiator
- B.Air Filter
- C.Fuse Box
- D.Battery Isolator
- E.Batteries

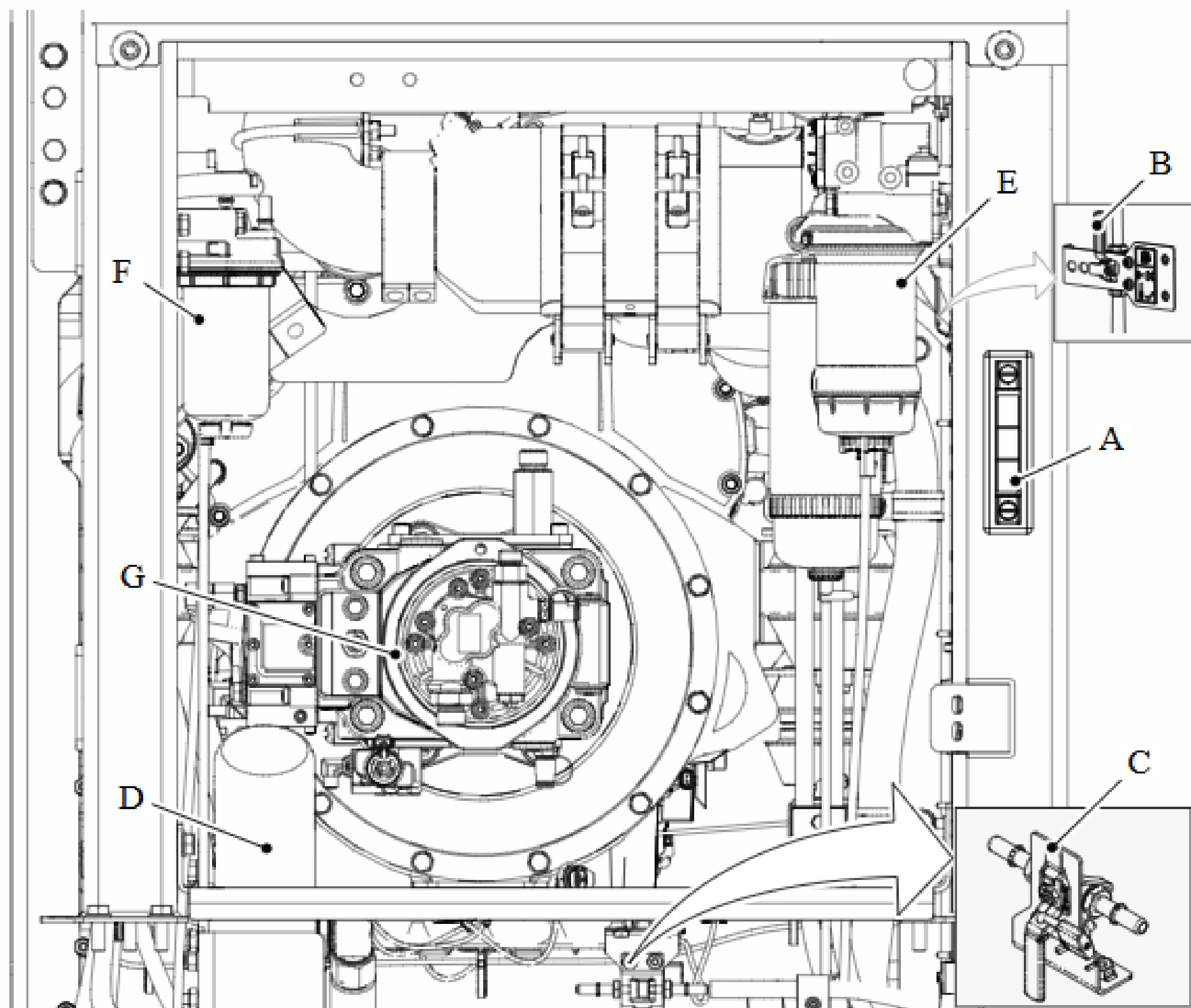
Undercarriage



- A.Track rollers
- B.Track tensioner
- C.Track fill/level
- D.Track drain

Service Points

Hydraulic Compartment



A. Hydraulic Oil Level Indicator

B. Fuel Tap

C. Fuel Tank Drain Tap

D. Engine Oil Filter

E. Water Separator

F. Main Fuel Filter

G. Man Pump

Hydraulic Quick Coupler

Standard Attachments

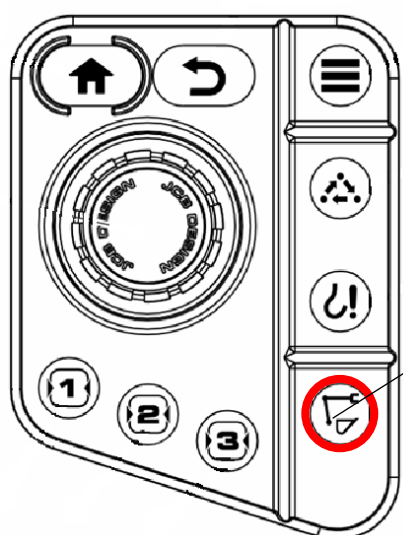


[How To: Operate the Quickhitch](#)



1 Start Unlock Process

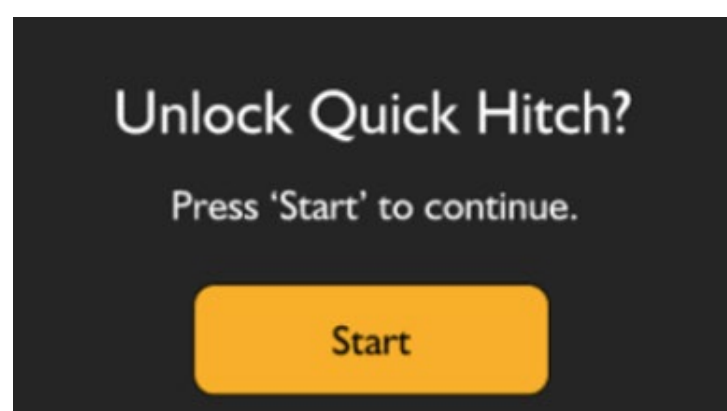
To start quick coupler unlock process, ensure hydraulics are live then press quick coupler button (A)



A

2 Confirm Process

A buzzer will sound indicating confirmation is required. Press 'Start' using touch screen or rotary dial to continue



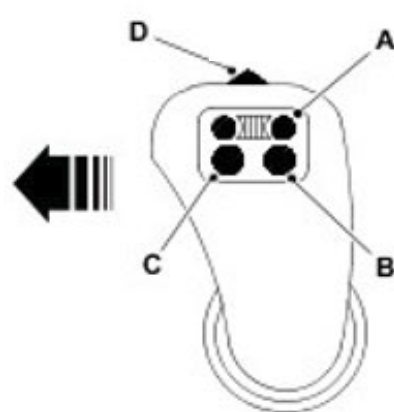
3 Indicator

When the sequence is confirmed, a bucket crowd symbol will show on the display



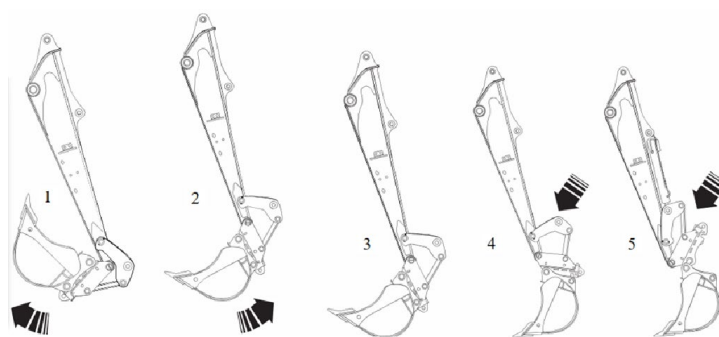
4 Open Coupler

To open the quick coupler, crowd the attachment for 3 seconds by moving right hand joystick. Alternatively follow steps 4a & 4b below



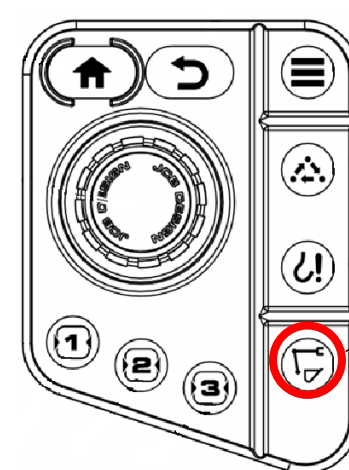
5 Change Attachment

Operate the machine to remove the attachment. To reattach, engage the coupler with the attachment pin and then crowd the attachment to engage rear pins.



6 Lock Coupler

To lock the quick coupler, press button A. Check that the coupler has fully locked onto both attachment pins before proceeding.



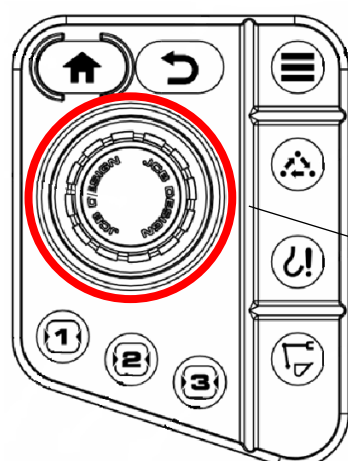
A

Specialized Attachments

For specialized attachments where it may not be possible to crowd to open, an override function can be used instead.

4a Crowd Override

Press and hold rotary dial B instead of crowding attachment



B

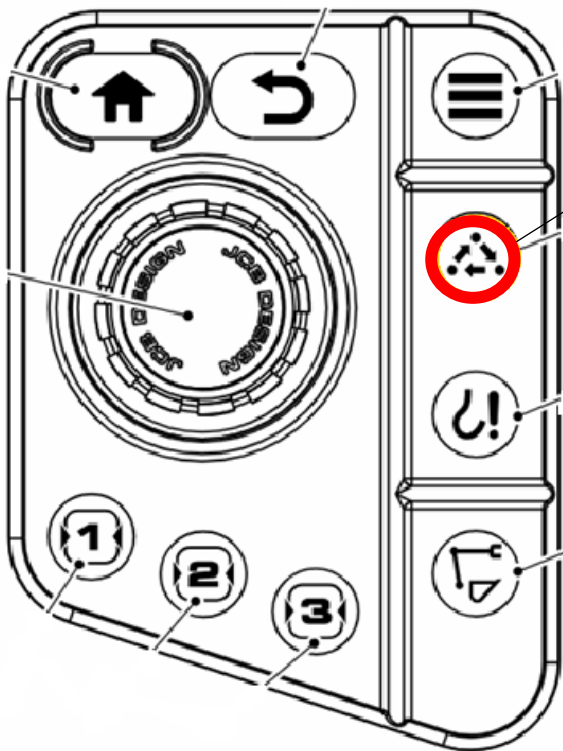
4b Open Coupler

When rotary dial is held for 5 seconds the coupler will automatically open. Countdown will be shown on the display and can be cancelled by releasing the dial

Lifting Mode

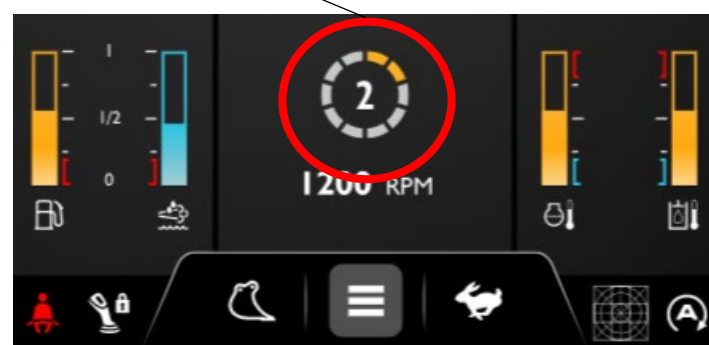
1 Mode Selection

Press button A on switch pack to change mode



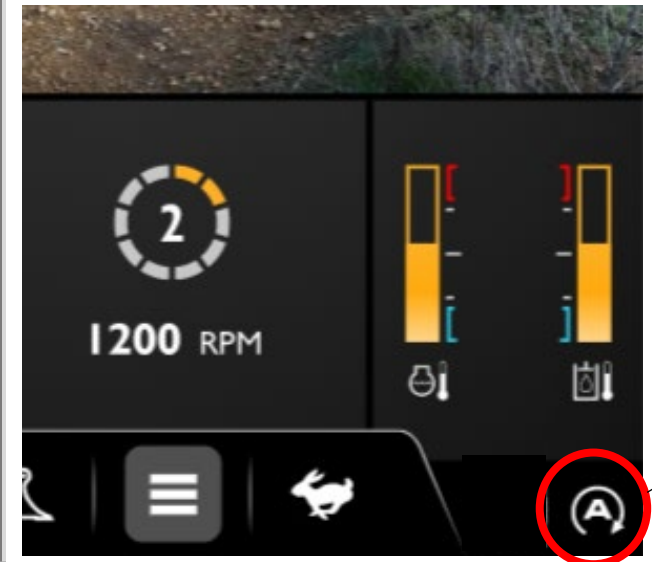
2 Power Bands

Working mode (B) will cycle on display from Power to Eco to Lifting. Use L modes for lifting



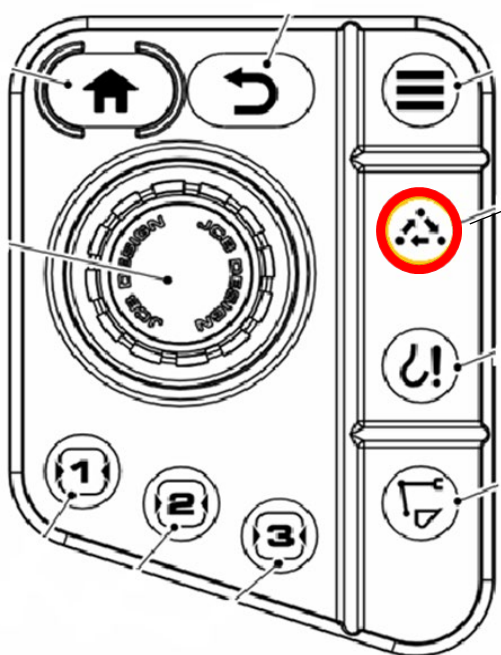
3 Auto-idle De-activate

Auto idle de-activates when in Lifting mode. Symbol (C) will not be on the screen.



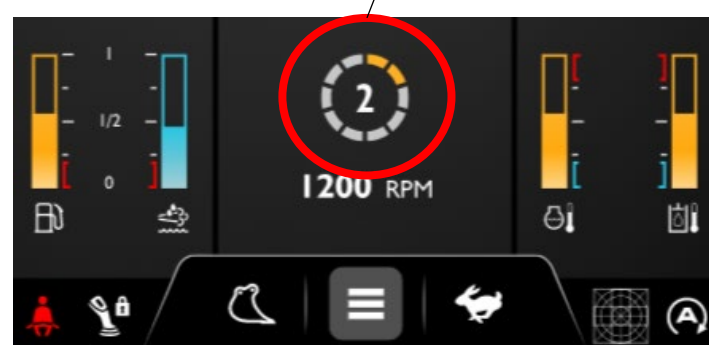
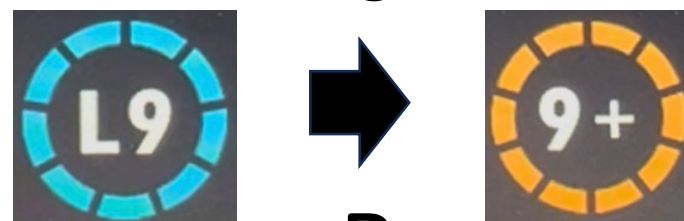
4 Disable Lift Mode

To disable Lifting mode, press button (A) on switch pack



5 Power Band

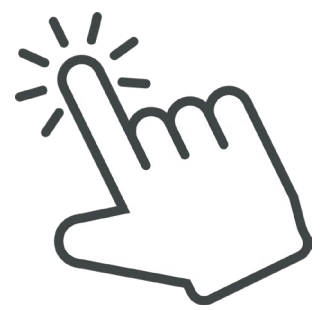
The working mode (B) will cycle on the display from Lifting to Power



JCB How To Videos



[How To: JCB UX on X Series](#)



Find out how to make the most of your JCB machine with step-by-step instructional videos for the 370X and other machines with the JCB UX display

QUICK REFERENCE GUIDE