



508-66TC, 509-45TC,  
510-55TC

## QUICK REFERENCE GUIDE

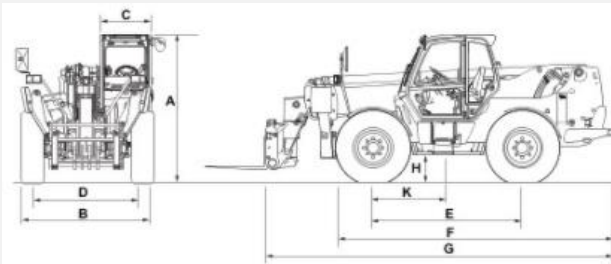
This Quick Reference Guide DOES NOT replace the Operators Manual. You MUST read ALL the disclaimers and safety and other instructions in the Operators Manual before initially operating this product. Accordingly, no legal claims can be entertained based on the data, illustrations or descriptions in this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

### BEST PRACTICES

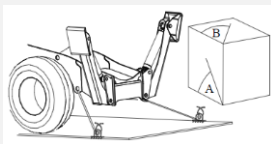
1. Carry a load as low as possible while maintaining good visibility.
2. Forks should be tilted back when in transport – with or without a load, cradle the load.
3. Fork tips should be on the ground when unit is parked.
4. Rather than driving into the load, extend the boom to easier see the forks in the load.

### Static Dimensions

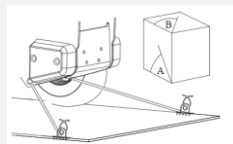
Machine model	508-66TC	509-45TC	510-55TC
A Overall height	ft-in 9	8-6	9
B Overall width over tires	ft-in 8	7-7	8
C Inside width of cab	ft-in 3-1		
D Front track	ft-in 6-6	6-3	6-6
E Wheelbase	ft-in 9		
F Overall length to front tires	ft-in 16-1	15-7	16-1
G Overall length to front of carriage	ft-in 21-11	20-5	20-3
H Ground clearance	ft-in 1-5	1-1	1-5
K Center of gravity (unladen)	ft-in 4-8	4-7	4-11



### Tie Down Points

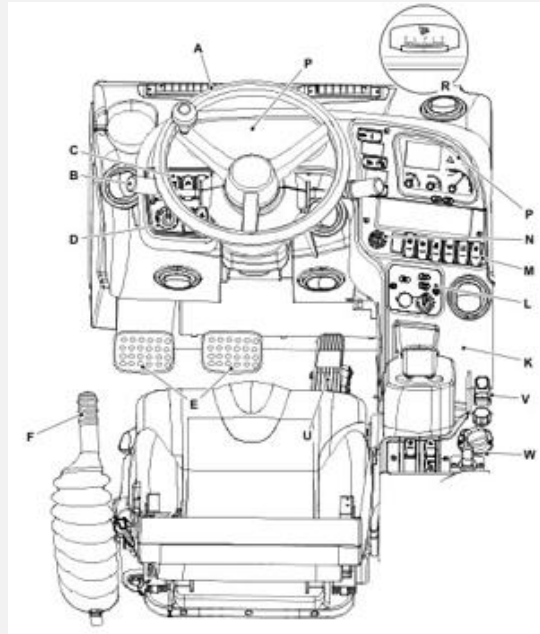


Front Anchor Points



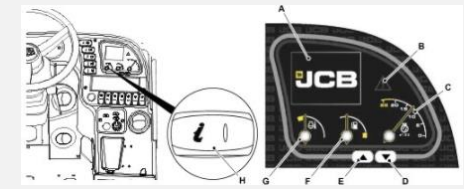
Rear Anchor Points

### Cab and Switch Panel

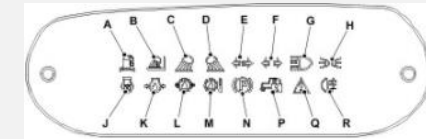


- A. Steering wheel
- B. Transmission lever and gear selection
- C. Console switches
- D. Steer mode selector
- E. Service brake/inching pedal
- F. Park brake lever
- L. HVAC
- M. Console switches
- N. Ignition switch
- P. Instrument panel
- R. Inclinometer
- U. Drive pedal
- V. Hand throttle
- W. Vari-speed controller

### Instrument Panel

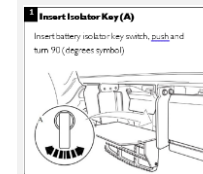


- A. Display screen
- B. Warning indicator
- C. Tachometer
- D. Navigation button - down
- E. Navigation button – up
- F. Fuel level gauge
- G. Coolant temperature gauge
- H. Information switch

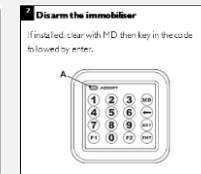


- A. Low fuel indicator
- B. Boom work light
- C. Front work light
- D. Rear work light
- E. Trailer indicator
- F. Direction indicators
- G. Main beam
- H. Side lights
- J. Grid heater
- K. Engine oil pressure
- L. Transmission oil pressure
- M. Transmission oil temperature
- N. Park brake engaged
- P. Not used
- Q. Mater warning
- R. Fog lights

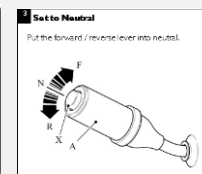
### Start Up Sequence



**1 Insert Isolator Key (A)**  
Insert battery isolator key switch, push and turn 90° (degrees symbol)



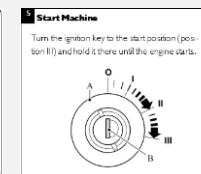
**2 Disarm the immobiliser**  
If installed, clear with PDI then key in the code followed by enter.



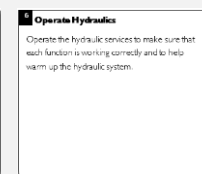
**3 Set to Neutral**  
Put the forward / reverse lever into neutral.



**4 Insert Key**  
Insert key into ignition switch (A)



**5 Start Machine**  
Turn the ignition key to the start position (position II) and hold it there until the engine starts.



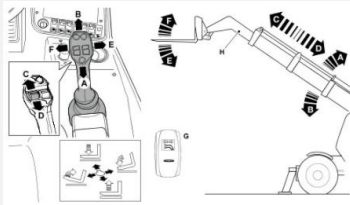
**6 Operate Hydraulics**  
Operate the hydraulic services to make sure that each function is working correctly and to help warm up the hydraulic system.



## Boom Controls

### Single Lever Control

- A. Boom raise
- B. Boom lower
- C. Boom extend
- D. Boom retract
- E. Carriage tilt forward
- F. Carriage tilt back
- G. Inner boom extend/retract
- H. Inner boom

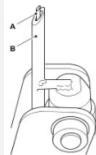


## Chassis Leveling Controls



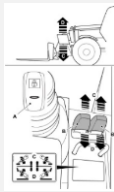
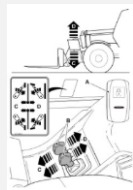
Inclinometer

When indicator rod is above the tube – machine swayed right  
 When rod is down inside tube – machine is swayed left



- A. Indicator rod
- B. Tube

## Stabilizer Controls

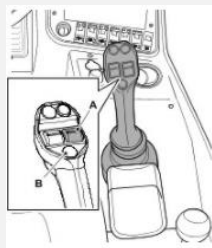


- A. Stabilizer isolation switch
- B. Stabilizer control levers
- C. Stabilizer legs – lower
- D. Stabilizer legs – raise

- A. Stabilizer isolation switch
- B. Stabilizer control levers
- C. Stabilizer legs – lower
- D. Stabilizer legs - raise

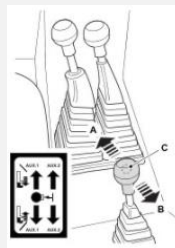
## Auxiliary Circuit Controls

### Single Lever Control



- A. Thumb switch
- B. Button - activate

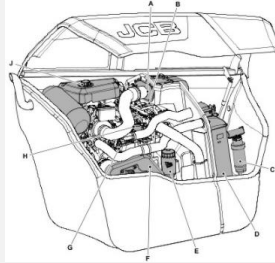
### Dual Lever Control



- A. Forward
- B. Backward
- C. Button – AUX II

## Service Points

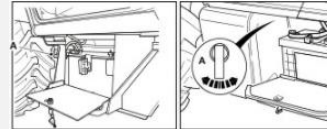
### Engine Compartment



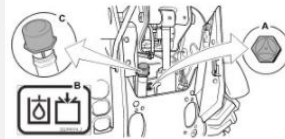
- A. Air Filter
- B. Transmission Oil Dipstick
- C. Water Separator
- D. Radiator
- E. Engine Oil Filter
- F. Drive Belt Guard
- G. Engine Oil Dipstick
- H. Engine Oil Filler Cap
- J. Coolant Expansion Tank

### Battery Isolator

- A. Battery Isolator

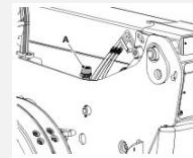


### Hydraulic Oil Level Indicator and Filler

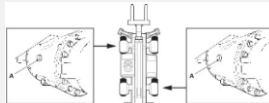


- A. Hydraulic oil level indicator
- B. Label – hydraulic filling point
- C. Hydraulic tank filler cap

- A. Secondary hydraulic tank filler cap – if applicable

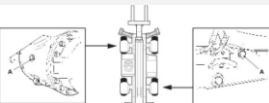


### Axles



- A. Axle fill/level plug

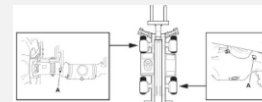
\*Machines with powered track rods



- A. Alternate Axle fill/level plug

\*Machines with powered track rods

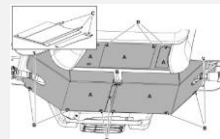
- A. Alternate Axle fill/level plug



\*Machines with Double Acting Cylinders

## Access Apertures

### Undershield

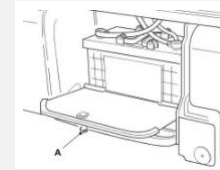


- A. Undershields
- B. Bolts
- C. Lips

## Access Covers

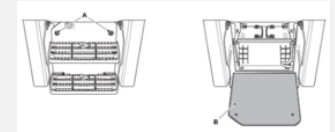
### Battery Cover

#### Single Step



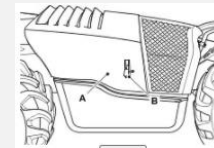
- A. Battery compartment cover

#### Twin Step



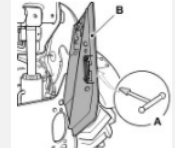
- A. Bolts
- B. Battery compartment cover

### Engine Compartment Cover



- A. Engine cover
- B. Latch

### Rear Cover



- A. Key
- B. Rear cover

## Connecting Attachments

