



505-20 TC

QUICK REFERENCE GUIDE

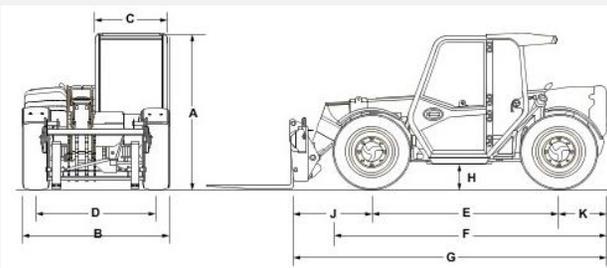
This Quick Reference Guide DOES NOT replace the Operators Manual. You MUST read ALL the disclaimers and safety and other instructions in the Operators Manual before initially operating this product. Accordingly, no legal claims can be entertained based on the data, illustrations or descriptions in this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

BEST PRACTICES

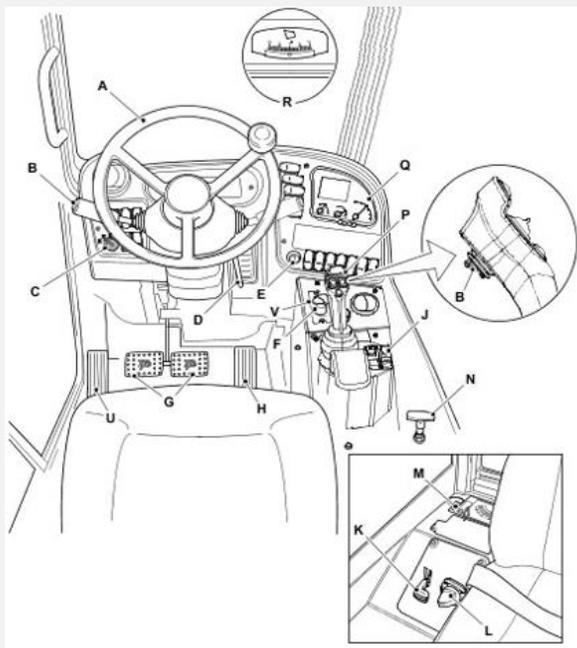
1. Carry a load as low as possible while maintaining good visibility.
2. Forks should be tilted back when in transport – with or without a load, cradle the load.
3. Fork tips should be on the ground when unit is parked.
4. Rather than driving into the load, extend the boom to easier see the forks in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

Static Dimensions

Machine model	505-20TC	
A Overall height	ft-in	6-2
B Overall width (over tires)	ft-in	6
C Inside width of cab (between windows)	ft-in	2-11
D Front track	ft-in	5
E Wheelbase	ft-in	7-10
F Overall length to front tires	ft-in	11-1
G Overall length to front of carriage	ft-in	13-1
H Ground clearance	ft-in	0-9
J Front wheel center to carriage	ft-in	3-4
K Rear wheel center to rear face	ft-in	2
Outside turn radius (over tires)	ft-in	12-1
Carriage roll back angle	°	11
Carriage dump angle	°	114
Weight	lbs	12,100

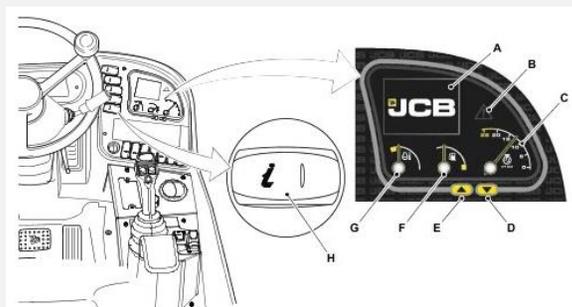


Cab and Switch Panel



- A. Steering Wheel
- B. Transmission Lever and Gear Selection
- C. Steer Mode Selector
- D. Steering Column Adjustment
- E. Starter Switch
- F. HVAC Controls
- G. Service Brake Pedal
- H. Accelerator Pedal
- J. Handbrake/ Parkbrake Mini Lever
- K. Hand Throttle Controls
- L. Travel Speed Selector
- M. Load Charts
- N. Hydraulic Tow Hitch (option)
- P. Operating Lever
- Q. Instrument Panel
- R. Inclinometer
- U. Inching Pedal (option)
- V. Auxiliary Power Socket (if installed)

Instrument Panel

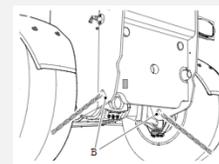


- A. Display Screen
- B. Warning Indicator
- C. Tachometer
- D. Navigation Button – Down
- E. Navigation Button – Up
- F. Fuel Level Gauge
- G. Coolant Temperature Gauge
- H. Information Switch

Tie Down Points



A. Front Anchor Point

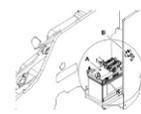


B. Rear Anchor Point

Start Up Sequence

1 Insert Isolator Key (B)

Insert battery isolator key switch (B), push and turn 90 degrees.



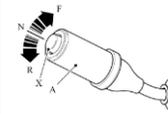
2 Disarm the immobiliser

If installed, clear with P/D 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 III) and hold it there until the engine starts.

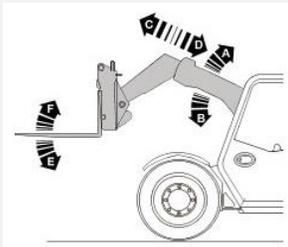
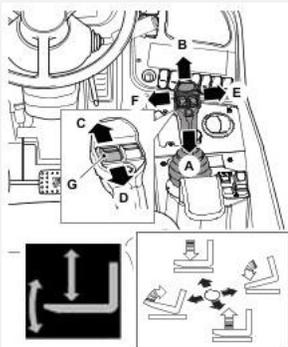


6 Operate Hydraulics

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

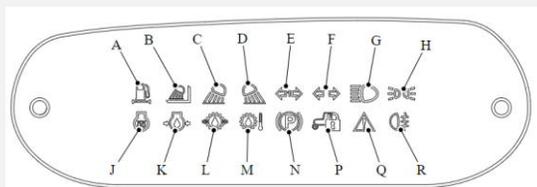


Controls



- A. Boom Raise
- B. Boom Lower
- C. Boom Extend
- D. Boom Retract
- E. Carriage Tilt Forward
- F. Carriage Tilt Back
- G. Extend / Retract Switch

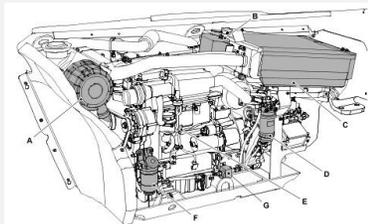
Warning Lights



- A. Low Fuel Indicator
- B. Lift arm Work Light
- C. Front Work Light
- D. Rear Work Light
- E. Trailer Indicator
- F. Direction Indicators
- G. Main Beam
- H. Side Lights
- I. Grid Heater
- J. Engine Oil Pressure
- K. Transmission Oil Pressure
- L. Transmission Oil Temperature
- M. Park Brake Engaged
- N. Immobilizer
- O. Master Warning
- P. Fog Lights

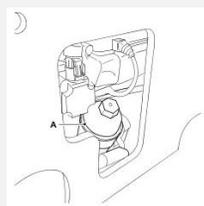
Service Points

Engine Compartment



- A. Air Filter
- B. Expansion Bottle
- C. Radiator
- D. Fuel Filter
- E. Engine Oil Dipstick
- F. Engine Fuel Filter
- G. Fuel Pump

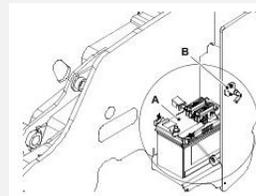
Engine Oil Filter



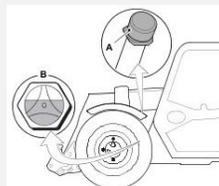
Lift the boom to access the oil filter

Battery Compartment

- A. Battery
- B. Battery isolator

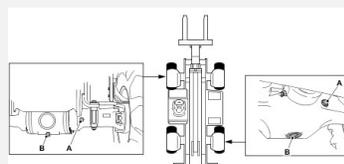


Hydraulic Oil Level Indicator



- A. Hydraulic tank filler cap
- B. Hydraulic oil level indicator

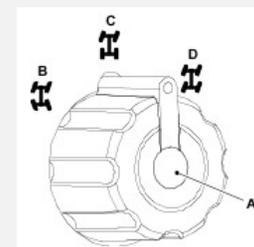
Axles



- A. Axle fill/level plug
- B. Beneath plug

Vehicle Steer Mode

Wheel Alignment – Electric Steer Mode



- A. Steer mode selector lever
- B. 4-wheel steer
- C. 2-wheel steer
- D. Crab steer

1. Stop the machine. Set the gear lever to neutral position.
2. Use the lever to select 2-wheel steer.
3. Turn steering wheel until rear wheels are in the straight position.
4. Use the lever to select 4-wheel steer.
5. Turn the steering wheel until front wheels are in the straight position.
6. All wheels are now aligned in the straight position. Select the steer mode required and continue the normal manner.

Connecting Attachments

