



# 505-20E

## QUICK REFERENCE GUIDE

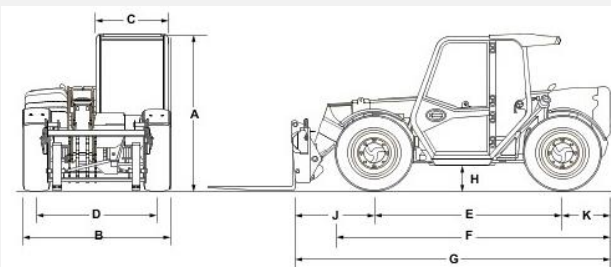
This Quick Reference Guide DOES NOT replace the Operators Manual. You MUST read ALL the disclaimers and safety and other instructions in the Operators Manual before initially operating this product. Accordingly, no legal claims can be entertained based on the data, illustrations or descriptions in this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

### BEST PRACTICES

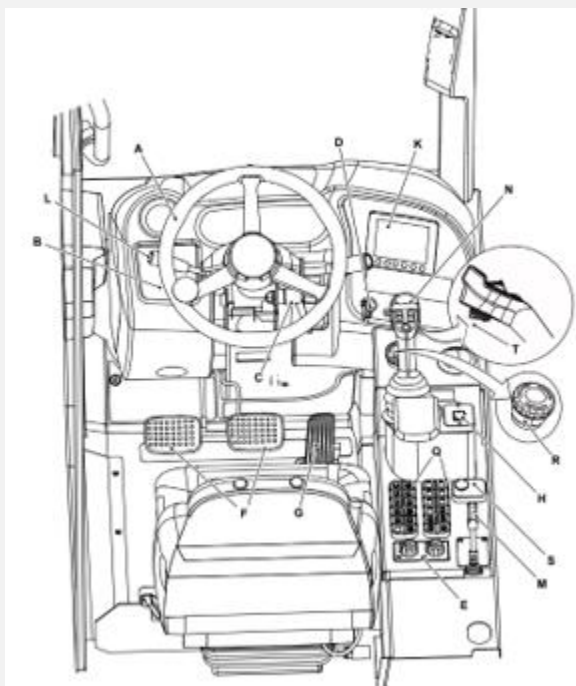
1. Carry a load as low as possible while maintaining good visibility.
2. Forks should be tilted back when in transport – with or without a load, cradle the load.
3. Fork tips should be on the ground when unit is parked.
4. Rather than driving into the load, extend the boom to easier see the forks in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

### Static Dimensions

Machine Model	505-20E	
A Overall height	ft-in	6-2
B Overall width (over tires)	ft-in	6-0
C Inside width of cab	ft-in	2-10
D Front track	ft-in	5-0
E Wheelbase	ft-in	7-10
F Overall length to front tires	ft-in	11-1
G Overall length to front carriage	ft-in	13-1
H Ground clearance	ft-in	0-8
J Front wheel center to carriage	ft-in	1-11
K Rear wheel center to rear face	ft-in	0-6
Outside turn radius (over tires)	ft-in	3-7
Carriage roll back angle	degrees	11
Carriage dump angle	degrees	114
Weight	lb	11,464

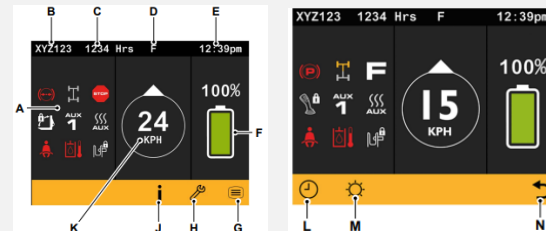


### Cab and Switch Panel



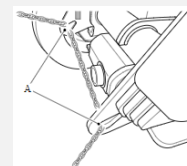
- A. Steering Wheel
- B. Hazard Switch
- C. Steer Column Adjustment
- D. Starter Switch
- E. Temperature Controls
- F. Service Brake Pedal
- G. Accelerator Pedal
- H. Park Brake Switch
- K. Instrument Panel
- L. Transmission Lever
- M. Manual Steer Lever
- N. Operating Lever
- P. Switch Pack
- Q. Emergency STOP
- R. Power Socket 12V
- S. Gear Selection Switch

### Instrument Panel

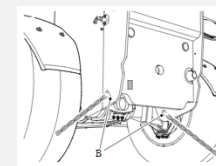


- A. 9x9 Machine Symbol Display Grid
- B. Fault/Error Code
- C. Machine Hours
- D. Transmission FNR
- E. Clock Display
- F. Battery State of Charge
- G. Bottom Bar Display Toggle Button
- H. Service Information Display Button
- J. System Information Display Button
- K. Travel Speed and Direction

### Tie Down Points



A. Front Anchor Point

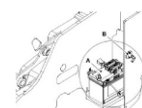


B. Rear Anchor Point

### Start Up Sequence


**1. Insert Isolator Key (B)**

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



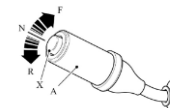
**2. Disarm the immobiliser**

If installed, clear with FID 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).



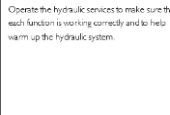
**5. Start Machine**

Turn the ignition to the start position (Position II) wait for display to activate.



**6. Operate Hydraulics**

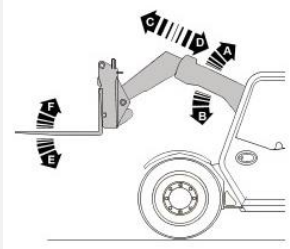
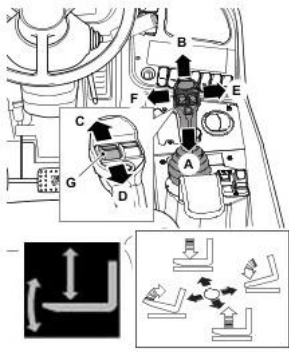
Operate the hydraulic services to make sure that each function is working correctly and to help warm up the hydraulic system.



Once key is turned to Position I, display will turn on after 15 sec. Will be able to hear clicking sounds as battery engages. Once display is on, machine is active.

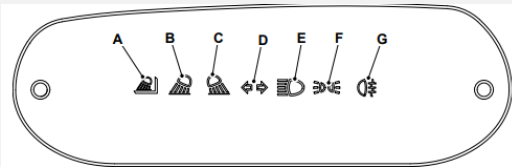


## Controls



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

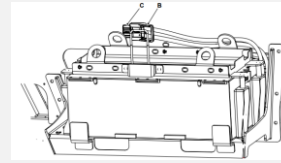
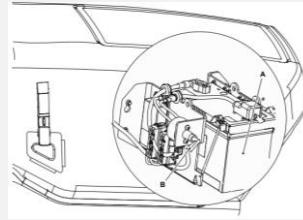
## Warning Lights



- A. Lift Arm Work Light
- B. Front Work Light
- C. Rear Work Light
- D. Direction Indicators
- E. Main Beam
- F. Side Lights
- G. Fog Lights

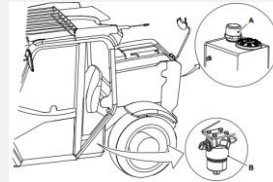
## Service Points

### Battery Compartment



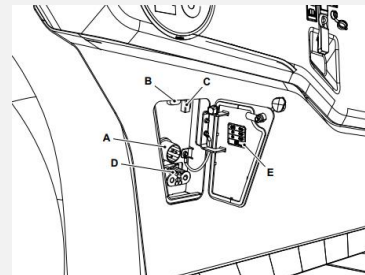
- A. Battery 12V
- B. Battery Isolator 12V
- B. Battery Handle 96V
- C. Battery Connector 96V

### Hydraulic



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

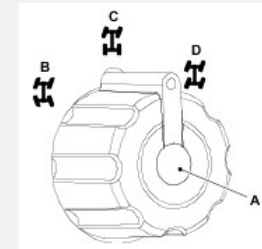
### Charging Point



- A. On-Board Charger Port
- B. Charger Port Indicator LED
- C. Door Interlock Switch
- D. Rapid Charger Port
- E. Charge Indicator Information Label

## 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

