



# A45E/EH Articulated Boom Lift

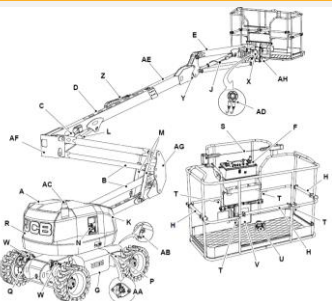
## QUICK REFERENCE GUIDE

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.

### Static Dimensions

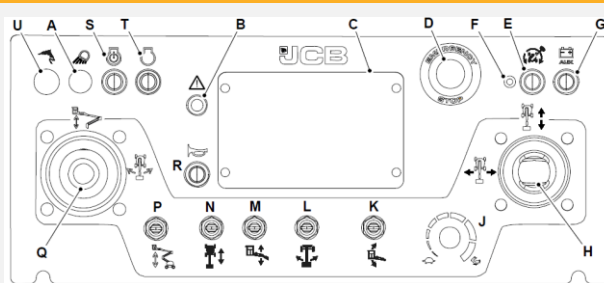
Machine Model		A45E	A45EH
Maximum Platform Height	M (ft-in)	45-3	
Maximum Working Height	M (ft-in)	50-10	
Maximum Outreach	M (ft-in)	26-5	
Maximum Up and Over Height	M (ft-in)	24-7	
Platform Length	M (ft-in)	2-9	
Platform Width	M (ft-in)	6-3	
Platform Height	M (ft-in)	3-11	
Overall Length (Stowed)	M (ft-in)	23-1	
Overall Width (Stowed)	M (ft-in)	7-4	
Overall Height (Stowed)	M (ft-in)	7-4	
Ground Clearance	M (ft-in)	1-0.6	
Wheelbase	M (ft-in)	6-7	
Overall Weight	Kg (Lbs)	7750 (17085.8)	7930 (17482.65)

### Main Components



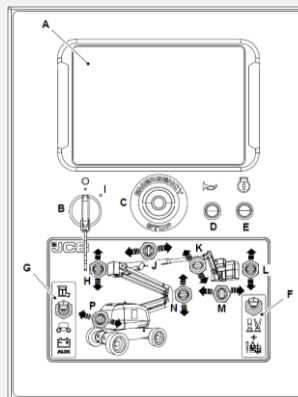
A Right side canopy	B Articulated boom
C Lower leveling cylinder	D Telescopic boom (stage 1)
E Jib	F Platform controller
G Battery compartment	H Platform entry gate
J Jib lift cylinder	K Control side canopy
L Telescopic boom lift cylinder	M Articulated boom lift cylinder
N Base control panel	P Under carriage
Q Front axle	R Counterweight
S Secondary guarding system	T Safety harness anchorage point
U Foot pedal switch	V Documents box
W Oscillating axle cylinder	X Platform rotate actuator
Y Upper leveling cylinder	Z Drag chain
A Battery isolator	A Battery charging point
C Beacon	D Load cell
A Telescopic boom (stage 2)	A Boom front knuckle
A Boom rear knuckle	A Platform carrier

### Platform Controls



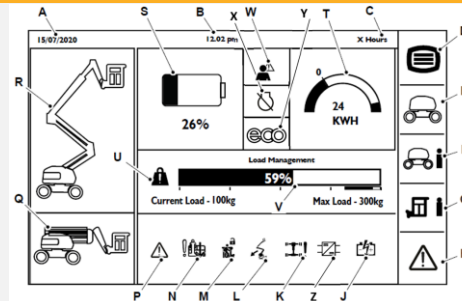
A Work lights ON / OFF button	B Error indicator
C Platform control panel display	D Emergency stop button
E Slew acknowledgement button	F Slew acknowledgement indicator
G Auxiliary power button	H Drive and steer joystick
J Speed control switch	K Manual platform level switch
L Platform rotate switch	M Jib boom up / down switch
N Telescopic boom extend / retract switch	P Articulated boom raise / lower switch
Q Main boom lift and slew joystick	R Horn button
S Engine stop / start button (A45EH ONLY)	T Engine auto start indicator (A45EH ONLY)
U Power to Platform (A45EH ONLY)	

### Ground Control



A Base control panel display	B Key switch
C Emergency stop button	D Horn button
E Engine start / stop button (EH ONLY)	F Emergency override switch
G Base control enable switch	H Main boom raise / lower switch
J Telescopic boom extend / retract switch	K Jib raise / lower switch
L Platform level switch	M Platform rotate switch
N Articulated boom raise / lower switch	P Slew left / right switch

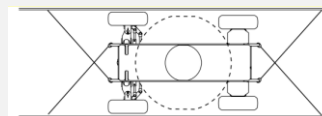
### Display Screen



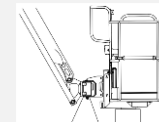
Callout Indicator	Description	Additional Information
A	Date	Displays current date.
B	Time	Displays current time.
C	Machine hour	Displays machine running hours.
D	Display settings	Displays settings for the display.
E	Machine settings	Displays locked screen for new settings of machine.
F	Base information	Displays base information of machine.
G	Platform information	Displays platform input/output information.
H	Faults	Displays live and historic faults.
J	Battery voltage warning	Displays when battery voltage is high/low.
K	Powertrain fault lamp	Displays when there is a fault on the powertrain.
L	Tilt limit exceeded	Displays when machine tilt limit is exceeded. Solid lamp if the machine is stowed. Flashing lamp if the machine is raised.
M	Secondary guarding	Displays when the platform secondary guarding is in active condition.
N	Emergency override	Displays when emergency override has been activated.
P	Fault indicator	Displays when there is a fault on the machine.
Q	Machine stowed position	Displays when machine is in stowed position.
R	Machine raised position	Displays when machine is in raised position.
S	Battery level indicator / Fuel level indicator	Displays the battery level in percentage. Displays the fuel level in percentage (A45EH ONLY).
T	Power utilisation	Displays the power utilisation.
U	Overload lamp	Displays when the platform load limit is exceeded. Solid lamp if the load is approaching the limit. Flashing lamp if the load is above the limit.
V	Load management indicator	Displays the amount of load machine is carrying in percentage.
W	Operator error or caution alarm	Displays when machine is operated outside the limits.
X	Engine auto start indicator	Displays if engine is in auto start mode or not. (A45EH ONLY).
Y	ECO mode	Displays if ECO mode is enabled (A45EH ONLY).
Z	DC-DC converter indicator	Displays if the DC-DC converter is active (A45EH ONLY).

### Tie Down Points

#### Base Tie Down Points



#### Platform Tie Down Points



### Start Up Sequence

1. Make sure the battery isolator is engaged.
2. Pull out both the base and platform emergency stop buttons.
3. Turn the key to position "I" and let the display system run through the system checks.



Access additional information

[www.servicepro.jcb.com](http://www.servicepro.jcb.com)

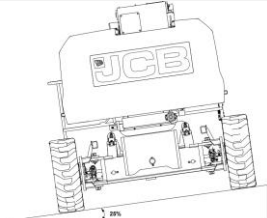
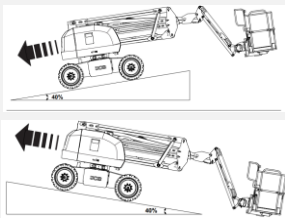


## Driving on Slopes

### Lowered Platform

Do not Exceed slopes when platform is raised:

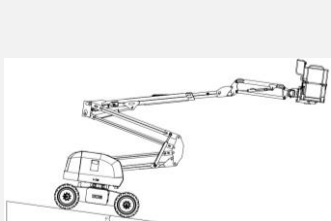
- A. Front/back slope 22°  
B. Side slope 14°



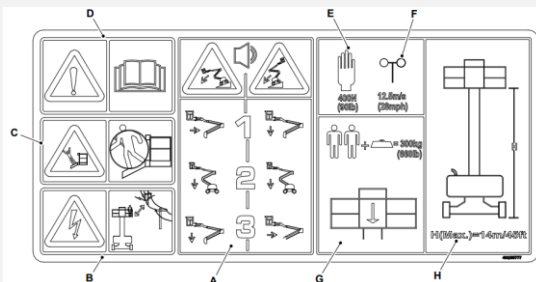
### Raised Platform

Do not Exceed slopes when platform is raised:

- A. Front/back slope 5°  
B. Side slope 5°

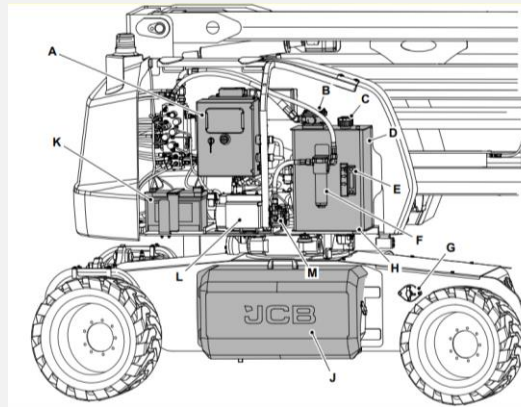


## Decal Descriptions

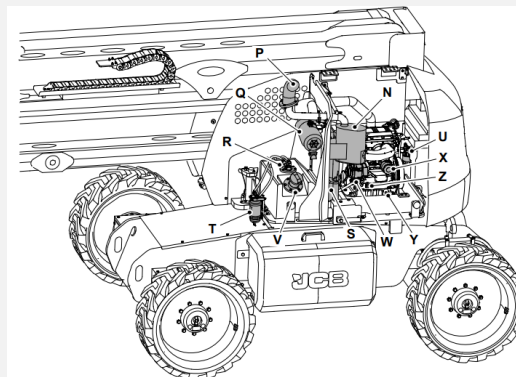


- A. Warning. In the event of stability hazard, lower the platform in the order shown, depending on the orientation of the machine on the slope.  
B. Warning. Keep a safe distance from the overhead electrical cables.  
C. Warning. Do not exit the platform at height. Do not walk or climb on the booms.  
D. Warning. Read operator's manual before operating the machine.  
E. Maximum manual force  
F. Maximum wind speed  
G. Weight distribution on the platform  
H. Maximum platform height

## Service Points



- A. Base control panel  
B. Return line filter  
C. Filler breather  
D. Hydraulic tank  
E. Level gauge / oil temperature  
F. Hydraulic high-pressure filter  
G. Battery isolator  
H. Hydraulic tank drain plug  
J. 48V main batteries  
K. 12V battery  
L. Hydraulic pump motor  
M. Hydraulic pump

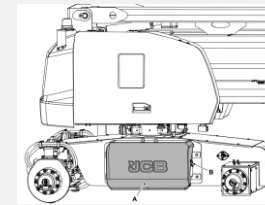


### Engine: (EH Only)

- N. Engine exhaust  
P. Exhaust outlet pipe  
Q. Air cleaner  
R. Fuel tank  
S. Radiator  
T. Pre filter  
U. Engine fuel filter  
V. Fuel tank filler  
W. Alternator  
X. Oil filter  
Y. Oil dipstick  
Z. Oil drainage plug

## Access Covers

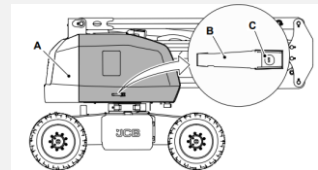
### Battery Cover



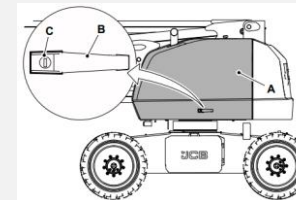
- A. Battery Cover  
B. Latch

### Hydraulic Compartment Cover

- A. Body panel left side  
B. Handle  
C. Lock

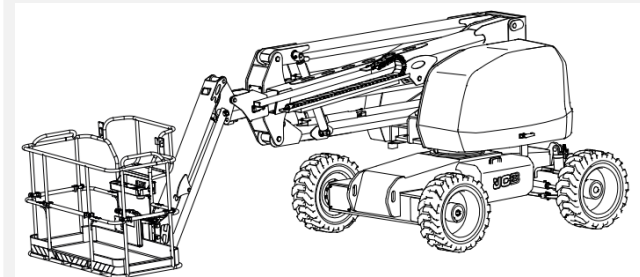


### Engine Compartment Cover



- A. Engine compartment cover  
B. Handle  
C. Lock

## Maintenance Position



Make the machine safe before you start the maintenance procedure.

1. Park the machine on firm, level ground.
2. Make sure that machine is in stowed position.
3. Set engine to OFF position and remove the ignition key from ignition switch.
4. Disconnect the battery to prevent accidental operation.
5. Put chocks at front and rear of all wheels.