



407, 409

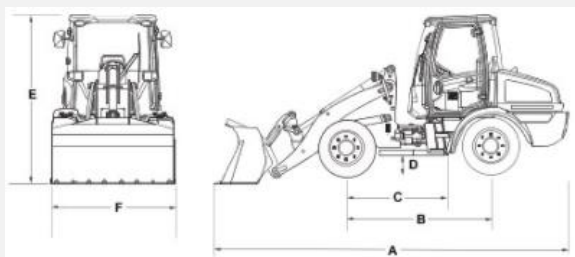
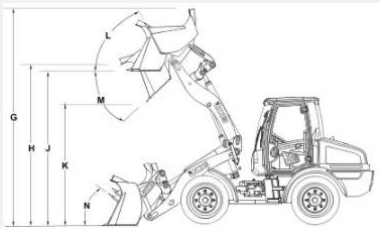
QUICK REFERENCE GUIDE

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.

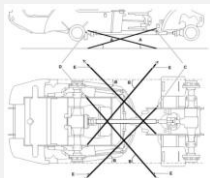
Static Dimensions

Machine model		407	407HS	409
A	Overall length with standard shovel	ft-in 16-10	17-4	18-3
B	Wheelbase	ft-in 6-11	7-5	7-3
C	Center of gravity	ft-in 5-5	5-1	5-4
D	Minimum ground clearance	ft-in	1-1	1-7
E	Height over cab	ft-in	8-2	8-8
F	Maximum width (shovel)	ft-in	6-3	6-5
G	Maximum height	ft-in	13-7	14-6
H	Pin height (maximum)	ft-in	10-3	11-1
J	Load over height	ft-in	9-10	10-6
K	Dump height	ft-in	8-2	8-10
L	Roll back angle at full height	°	56	63.6
M	Dump angle at full height	°	45	45
N	Roll back angle at carry	°	54	53.1
N	Articulation angle	°	+/- 40	40

*Dimensions based on a machine equipped with 16.0/70-20 tires and standard 1.0m³ shovel or forks

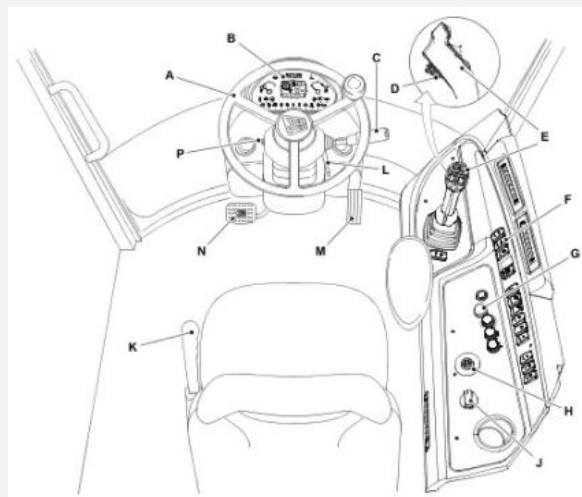


Tie Down Points

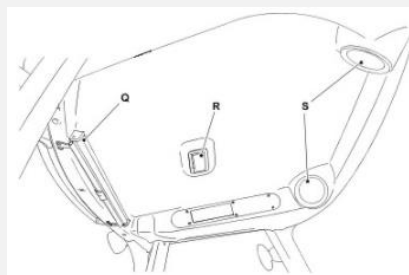


- A. Restraint angular range 8° to 11°
- B. Restraint angular range 40° to 50°
- C. Front tie down points
- D. Rear tie down points
- E. Tie down restraint

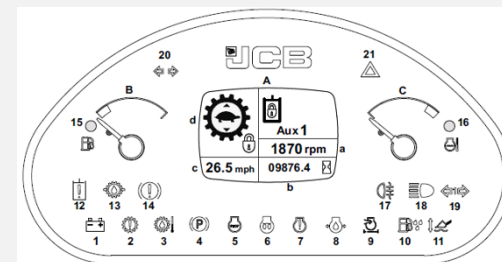
Cab and Switch Panel



- A. Steering wheel
- B. Instrument panel
- C. Multi-purpose steering column switch
- D. Forward/reverse switch
- E. Lift arm control lever
- F. Right console switches
- G. Creep speed control
- H. Ignition switch
- J. Hand throttle control
- K. Park brake
- L. Steering column adjustment
- M. Accelerator pedal
- N. Service brake pedal
- P. Horn
- Q. Front window blind
- R. Cab interior light
- S. Speakers



Instrument Panel




- 1. Battery/ Alternator no charge
 - 2. Transmission Error/Fault
 - 3. Transmission oil temperature
 - 4. Park brake
 - 5. Engine ECU fault/stop
 - 6. Engine pre-heat
 - 7. Engine fault
 - 8. Engine oil pressure
 - 9. Engine air filter
 - 10. Water in fuel
 - 11. Smooth ride system
 - 12. Hydraulic error/fault
 - 13. Transmission oil pressure
 - 14. Fuel level
 - 15. Fuel level
 - 16. Engine coolant temperature
 - 17. Rear fog light
 - 18. Main beam
 - 19. Trailer direction indicators
 - 20. Direction indicators
 - 21. Hazard warning
- A. LCD Display
 - B. Fuel level gauge
 - C. Engine temperature gauge

Start Up Sequence

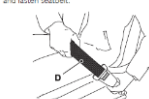
1. Insert Isolator Key

Isolator Key Located either outside or Under the Hood.




2. Apply Seat Belt, Check Neutral Controls

Check all Levers are in neutral position and fasten seatbelt.




3. Key on & Dis Arm Immobiliser

Coded Key (Option) or Key Pad. See Immobiliser Section in Operator's Manual




4. Engine Pre-Heat

Hold key in Position 1 for approximately 2-3 Secs and then start.



5. Start Machine


Turn Key though to position 5 once started key will spring Back to IGN position.



6. Activate Controls & Beacon

Independent Beacon switch.

Press Isolator switch to activate Controls.



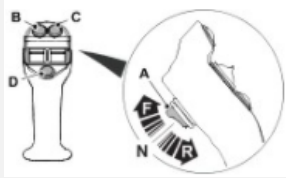
Access additional information

www.servicepro.jcb.com



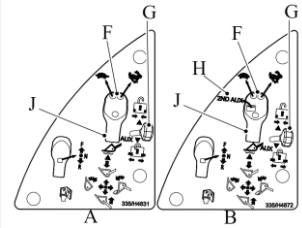
Drive Controls

- A. Forward/reverse switch
- B. Tortoise speed button
- C. Hare speed button
- D. Differential lock button
- E. Forward drive
- F. Reverse drive
- G. Neutral drive



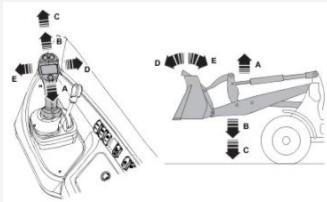
Lift Arm Controls

Manual Controls



- A. Single spool control configuration
- B. Twin spool control configuration
- F. Tortoise/hare speed range switches
- G. First auxiliary spool control
- H. Second auxiliary spool control (if installed)
- J. Control lever

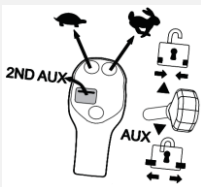
Lift Arm Control Lever



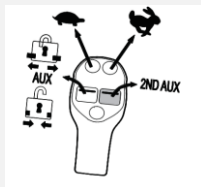
- A. Raise
- B. Lower
- C. Float
- D. Tilt shovel forward (dump)
- E. Tilt shovel backward (crowd)

Auxiliary Circuit Controls

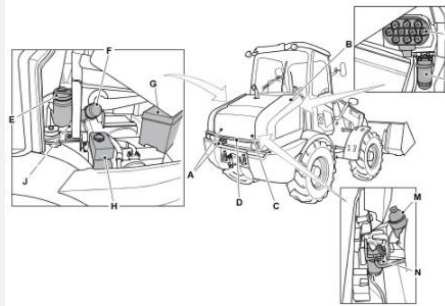
Manual



Servo



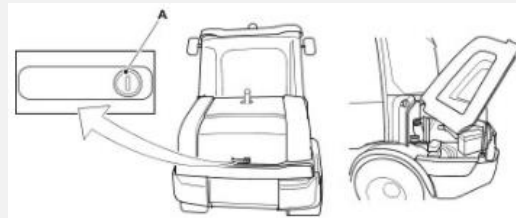
Service Points



- A. Battery isolator (position depends on specification)
- B. Coolant expansion bottle
- C. Engine oil filler point
- D. Engine oil level dipstick
- E. Diesel fuel filler point
- F. Hydraulic tank filler point
- G. Battery
- H. Washer bottle
- J. Hydraulic oil fluid level indicator
- K. Air filter
- L. Fuel water separator/filter
- M. Engine oil filter
- N. Fuel filter

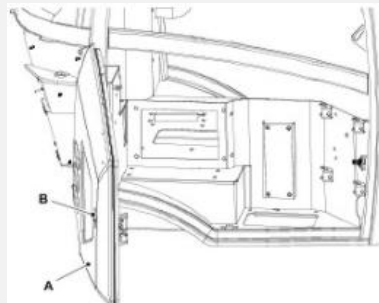
Access Covers

Engine Compartment Cover



- A. Lock

Cab Heater Door

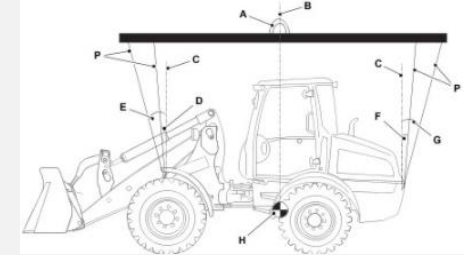


- A. Access panel
- B. Lock

Lifting Procedures

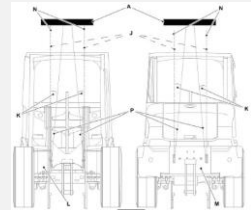


- A. Sling points
- B. Instructional label



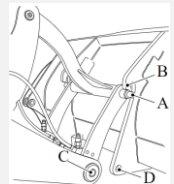
- A. H beam lifting spreader
- B. Center of Gravity
- C. Machine lifting point
- D. Lifting chain 5° Minimum angle
- E. Lifting Chain 15° Maximum angle
- F. Lifting chain 5° Minimum angle
- G. Lifting Chain 15° Maximum angle
- H. Centre of Gravity

- A. H beam lifting spreader
- J. 0° angle maximum (not shown)
- K. 5° Maximum angle
- L. Front of machine
- M. Rear of machine
- N. Perpendicular line – lifting point
- P. Lifting chain

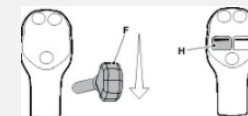


Adding Attachments - Quickhitch

1. Park machine on level ground.
2. Lower quickhitch and tilt forward.
3. Move machine forward until pivot-shaft is below the hooks.
4. Lift quickhitch until pivot shaft engages with hooks.
5. Tilt quickhitch backwards to align the locking pins with hole in attachment.
6. Push and hold quickhitch isolator switch until buzzer sounds.



- A. Pivot-shaft
- B. Hook
- C. Locking pin
- D. Hole



- A. Auxiliary lever
- B. Auxiliary switch