

Outdoor Boom Lift Operation

COMPANY

PROJECT / LOCATION

DATE

PREPARED BY

Set up, operate, reposition, and park an articulating or telescopic boom lift for work outside a building. Includes basket access and use of a harness and lanyard.

Protective equipment

- Full-body harness and compatible lanyard suited to the lift's designated anchorage and fall protection system.
- Hard hat for overhead and falling-object hazards.
- Safety glasses with side shields for flying particles.

Before you start

- Confirm that only authorized operators will operate the lift.
- Test lift controls each day before use, including upper controls and the lower-control override; confirm that control functions are plainly marked.
- Check the manufacturer's boom and basket load limits and plan the load of people, tools, and materials.
- Check the harness, lanyard, and designated anchorage; remove impact-loaded fall arrest equipment from service until a competent person inspects it and determines it is suitable for reuse.
- Walk the travel route and work area to identify weak ground, slopes, overhead obstructions, power lines, and people who could enter the lift's path.

#	JOB STEP	HAZARDS	CONTROLS
1	Set up the lift and isolate the work area.	<p>The lift can tip on weak ground or roll on a slope.</p> <p>People can be struck by the moving boom or falling tools.</p>	<ul style="list-style-type: none">- Choose firm ground that can support the lift and its load.- Set the brakes and place any outriggers on pads or a solid surface.- Install wheel chocks before using the lift on an incline if they can be installed safely.- Keep other work out of the area below the basket.- Barricade the area beneath the work and around the boom's swing path.- Keep tools and materials secured inside the basket.

2 Enter the basket and connect fall protection.	A worker can fall while entering or be thrown from the basket during movement.	<ul style="list-style-type: none"> - Enter with the basket lowered using its intended access. - Wear the harness and attach the lanyard to the designated anchorage on the boom or basket before raising. - Do not attach the lanyard to guardrails or an adjacent building, pole, or piece of equipment.
3 Raise and position the basket.	The basket can trap a worker against the building or an overhead obstruction.	<ul style="list-style-type: none"> - Choose a basket position clear of overhead and side obstructions. - Watch the basket's full path while moving and keep your body inside it. - Use a ground spotter when the operator cannot see the path clearly.
	The boom, basket, or materials can contact a power line and electrocute workers.	<ul style="list-style-type: none"> - Choose a work position and travel path away from power lines. - If any part of the lift or load could get close to a line, stop until the supervisor arranges with the utility to shut off the line or keep a safe distance. - Do not alter any insulated portion of the lift in a way that reduces its insulating value.
4 Perform work from the basket.	Climbing or overreaching can cause a fall from the basket.	<ul style="list-style-type: none"> - Reposition the basket instead of reaching beyond a stable working position. - Stand firmly on the basket floor. - Do not sit or climb on the basket edge, and do not stand on ladders, planks, or other devices to work.
	Excess loads can overload the basket or boom and cause loss of stability.	<ul style="list-style-type: none"> - Remove materials not needed for the work. - Keep the total load within the manufacturer's boom and basket limits.
5 Lower, reposition, and park the lift.	Traveling with an elevated basket can cause a collision, tip-over, or worker ejection.	<ul style="list-style-type: none"> - Lower the boom before travel unless the lift is specifically designed to travel elevated with workers in the basket. - Before travel, check that the boom is properly cradled and outriggers are stowed unless elevated travel is permitted for that lift. - Clear people and loose materials from the travel path.
	Unexpected lowering can crush workers or cause a fall while exiting.	<ul style="list-style-type: none"> - Use lower controls only with permission from the worker in the basket, except in an emergency. - Lower the basket to its access position and stop movement before disconnecting and exiting. - Park with the brakes set and remove loose tools and debris.

Stop work and call the supervisor if

- Stop and call the supervisor if controls fail testing, respond unexpectedly, or cannot safely lower the basket.
- Stop and call the supervisor if the ground shifts, the lift becomes unstable, or the planned load exceeds its limits.
- Stop and call the supervisor if the lift's planned movement would bring it near power lines, or if obstructions or people are in its path.
- Stop and call the supervisor if fall protection is damaged, has taken an impact load, or cannot be attached to the designated anchorage.

Sources: 29 CFR 1926.453, Aerial lifts; 29 CFR 1926.502, Fall protection systems criteria and practices

Drafted with AI for review by a competent person. Clever Rook writes from the official regulation text it cites, but it doesn't know your site. Check it against your conditions and your company's safety program before use. Not legal advice.

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REVIEWED BY (COMPETENT PERSON)

REVIEW DATE

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