

Aerial Lifts

WAC 296-869-200

Section Contents

IMPORTANT:

This section applies to the following types of vehicle-mounted aerial devices:

- Extensible-boom work platforms
- Articulating-boom work platforms
- Vertical towers
- Aerial ladders
- A combination of any of the above types of elevating work platforms

YOUR RESPONSIBILITY:

To meet these requirements when using aerial lifts

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Aerial Lifts

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Rule

WAC 296-869-20005

Design and construction

You must

- Make sure aerial lifts manufactured on or after July 1, 2006, meet the design and construction requirements of ANSI A92.2-2001, American National Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices.
- Make sure aerial lifts manufactured before July 1, 2006, meet the design and construction requirements of ANSI A92.2-1969, American National Standard for Vehicle-Mounted Elevating and Rotating Work Platforms.



Definition:

Aerial lift: An aerial device mounted on a vehicle such as a truck, trailer, or all-terrain vehicle.

Aerial device: A vehicle-mounted device, telescoping or articulating, or both, which is used to position personnel.



WAC 296-869-20010

Modifications

You must

- Have written approval from the manufacturer before making any modification or addition that affects the safe operation, stability, intended use, or the mechanical, hydraulic, or electrical integrity of the aerial lift. Make sure the modified aerial lift is:
 - At least as safe as it was before being modified
- and**
- Any change to the insulated portion of the aerial lift doesn't reduce the insulating value



Note:

If the original manufacturer is no longer in business, an equivalent entity such as a nationally recognized testing laboratory may approve modification.

WAC 296-869-20015

Owned, rented, or leased aerial lifts

IMPORTANT:

This section applies if you own, rent, or lease an aerial lift.

You must

- Meet the requirements of the Responsibilities of Owners, section 8, of ANSI A92.2-2001, American National Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices, if you own an aerial lift.
- Meet the requirements of the Responsibilities of Renters, Lessors or Lessees, section 11, of ANSI A92.2-2001, American National Standard for Vehicle-Mounted Elevating and Rotating Aerial Devices, if you rent or lease an aerial lift.



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Rule

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Operator requirements

You must

- Permit only trained and authorized personnel to operate aerial lifts.

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Operator training

You must

- Make sure personnel are trained before they are permitted to operate an aerial lift.
- Cover at least the following items:
 - General instruction on the inspection, application, and operation of aerial lifts
 - Include recognizing and avoiding hazards associated with their operation
 - Purpose and use of manuals
 - Include proper storage of the manuals on the vehicle when not in use
 - Prestart inspection
 - Responsibilities associated with problems or malfunctions affecting the operation of the aerial lift
 - Factors affecting stability
 - Purpose of placards and decals
 - Workplace survey
 - Safety rules and regulations pertinent to the industry
 - Authorization to operate an aerial lift
 - Operator warnings and instructions
 - Proper use of personal fall protection equipment

-Continued-



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Operator training (continued)

You must

- Have operator trainees actually operate the aerial lift, under the direction of a qualified person, for enough time to demonstrate proficiency.
- Retrain an operator if evaluation and observation of the operator indicates retraining is necessary.
- Instruct operators in all of the following before they are directed to operate an aerial lift with which they aren't familiar:
 - Location of the manuals
 - Purpose and function of all controls
 - Safety devices and operating characteristics specific to the aerial lift



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Rule

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Operator prestart inspection

You must

- Make sure the operator does a prestart inspection of the aerial device as shown in Table 1, Operator Prestart Inspection.
- Have a qualified person examine or test any items found during the inspection that are thought to be unsafe to determine if they constitute a safety hazard.
- Replace or repair all unsafe items before use.

Table 1
Operator Prestart Inspection

Component or system	Test or inspect for the following
Operating controls and associated mechanisms	Conditions interfering with proper operation
Visual and audible safety devices	Malfunctions
Hydraulic or pneumatic systems	Visible deterioration or excessive leaks
Fiberglass and other insulating components	Visible damage or contamination
Operational and instructional markings	That they are present and legible
Electrical systems of or related to the aerial device	Malfunction and for signs of excessive deterioration, dirt, and moisture accumulation
Locking devices, bolts, pins, and other fasteners	That they are in-place and not loose or deformed



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Workplace survey

You must

- Have the operator survey the area, before using an aerial lift, for hazards such as:
 - Untamped earth fills
 - Ditches
 - Drop-offs and floor obstructions
 - Debris
 - Overhead obstructions and electrical conductors
 - Weather conditions
 - Unauthorized persons in the area

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Before and during use

You must

- Set the brakes and make sure outriggers, when used, are positioned on pads or a solid surface.
- Install wheel chocks when using the aerial lift on an incline if they can be installed safely.



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Rule

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Working from the platform

You must

- Make sure boom and platform load limits specified by the manufacturer aren't exceeded.
- Make sure persons stand firmly on the floor of the platform and don't:
 - Sit or climb on the edge of the platform

or

 - Use guardrails, planks, ladders, or any other device to gain additional height or reach
- Prohibit wearing climbers when working from the platform.
- Make sure all persons on the platform wear a full body harness with a lanyard attached to either:
 - The manufacturer's recommended attachment point

or

 - The boom or platform if the manufacturer doesn't specify an attachment point
- Never attach a lanyard to an adjacent pole, structure, or equipment.



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Moving the aerial lift

You must

- Make sure the boom is properly cradled and the outriggers are in the stowed position before moving the aerial lift.



Exemption:

The aerial lift may be moved with the boom elevated and personnel on the platform only if the equipment was specifically designed for this type of operation.

WAC 296-869-20055

Aerial ladders

You must

- Secure aerial ladders in the lower traveling position, using the locking device or other means provided by the manufacturer, before moving it for highway travel.
- Make sure all persons working from an aerial ladder wear a full body harness and lanyard attached to either:
 - The manufacturer's recommended attachment point

or

 - The ladder rail if the manufacturer doesn't specify an attachment point



Notes
