

Bucket Truck Safety

University of Arkansas



Overview of Training

- Operator Requirements
- Hazards
- Pre-Operation Requirements
- Safety Equipment
- Worksite Inspection
- Operation
- Leaving the worksite

Operator Training

- Only trained and certified operators may use the bucket truck
- Operators must go through classroom and hands-on training
- All operators must read and understand the operator's manual
- Operators must NOT use the truck alone
- When taking the truck out of the Tool Crib, you will be required to show certification

Hazards

- Falls
 - Always keep feet on the floor of bucket
 - Do not sit, stand, or climb on the edge of the basket
 - Do not place any item in the bucket for the purpose of increasing work height (ladders, step stools)
 - Do not try to climb down from the bucket when it is raised
 - Make sure bucket floor is clear of debris
 - ALWAYS WEAR FALL PROTECTION

Hazards

- Tip-Over
 - Do not push or pull toward anything while raised in the bucket
 - No ladders, etc in bucket
 - Do not exceed the 300 lb load capacity
 - Do not move the truck when bucket is raised
 - Do not operate in high winds
 - Make sure truck is parked on even ground
 - Make sure the outriggers are positioned properly
 - Never use the bucket truck as a crane

Hazards

- Collision
 - Watch for traffic and beware of blind spots when driving the truck- Take is Slow
 - Watch for overhead obstructions
 - Travel very slow on bumpy or sloped ground and when driving near other workers or pedestrians

Hazards

- Electrocution
 - Maintain safe clearances from power lines and apparatus. No aerial platform, insulated or not, provides any electrical protection to the occupant if there is phase to phase or phase to ground contact

Hazards

- Improper Use
 - Never leave the truck unattended unless the key is taken out and the truck is secured from unauthorized users
 - Never refuel the truck when the engine is running
 - **NEVER USE A DAMAGED MACHINE**

Pre-Operation Requirements

- Safety inspection must be conducted and checklist must be filled out before leaving the compound
- Check for leaks, loose wiring, hoses, and belts
- Check boom and accessories for cracks or abnormal wear

Pre-Operation Requirements

- Start truck and listen for unusual sounds
- Check all lift controls to be sure they are functioning properly
- Check hydraulic lines and fitting
- Check tires
- Check brakes and steering

Pre-Operation Requirements

- The following items **MUST** be with the truck before leaving the compound
 - User's manual
 - Chock blocks
 - Fire extinguisher
 - Traffic cones
 - Full body harness
 - Lanyard
 - 60 feet of lifeline
 - First aid kit
- Before driving the truck out of the compound, be sure the boom is properly cradled
- If any problems are found, report them to Paul, Sam, Lonnie, or EH&S
- **NEVER** use a malfunctioning or damaged truck!!!

Safety Equipment

- Fall Protection- **REQUIRED** at all times while in bucket
- Cones and Caution Tape- if working in area where pedestrians may pass beneath or close to the truck
- Radio
- Lifeline
- Others as required

Worksite Inspection

- Try not to park on uneven ground
- Keep an eye out for drop-offs, holes, bumps, and debris.
- Do not operate the boom if wind gusts exceed 30 mph or there is a threat of an electrical storm
- Set emergency brake
- Position wheel chocks
- Look out for overhead obstructions

Operation

- Hands-on training will be conducted by the Garage
- New emergency controls will be reviewed
- Emergency escape techniques will be reviewed

Preparation for Leaving the Worksite

- Retract the upper arm onto the main boom and store the arm in boom rest
- Make sure engine is turned off and key is out of ignition
- Make sure all loose tools and equipment are stowed

ANY OTHER
SAFETY
CONCERNS???