

MSA FACILITIES SAFETY AND HEALTH INSPECTION PROGRAM

POWERED PLATFORMS,
MANLIFTS, and VEHICLE
MOUNTED WORK PLATFORMS



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POWERED PLATFORMS, MANLIFTS, and VEHICLE MOUNTED WORK PLATFORMS

At the completion of this unit you shall be able to:

1. Utilize section J of the Safety and Health Hazard Inspection Program Checklist to identify compliant and non-compliant safety behaviors.
2. Identify areas of concern requiring immediate action to mitigate or prevent a possible injury.

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POWERED PLATFORMS, MANLIFTS, and VEHICLE MOUNTED WORK PLATFORMS

- ▣ This section is concerned with safe operation of powered platforms, manlifts, and vehicle Mounted Work Platforms. You may know these as scissors lifts, JLG's (actually a company name for articulated manlifts), and Bucket Trucks.



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- Section J of the checklist contains up to 5 items. Let's take a closer look at these.

MSA GENERAL INDUSTRY-BASED SAFETY AND HEALTH HAZARD INSPECTION CHECKLIST

No.	Inspection Observations	Compliant? Y•N•N/A	See Comments (indicate with X)
4	Portable ladders (including rolling ladder/platform) are provided with safety feet.		
5	Ladder landings have railings and toe boards.		
6	Portable ladders set up for access extend at least 3 feet above landings and parapets.		
7	Non self-supporting portable ladders are being positioned at a proper 4-to-1 angle.		
8	Employees working from portable ladders at heights exposing them to a fall of 6 feet or greater are using an approved Fall Protection Work Permit (FPWP).		
9	Step ladders less than 6 feet in length/size are used only where necessary.		
10	Other.		
I	MEANS OF EGRESS		
1	Exits and exit routes are clearly visible and clear of obstructions.		
2	Exterior exit doors are non-locking in the direction of egress.		
3	Non-exit doorways that may be confused as an exit are marked "NOT AN EXIT."		
4	Exterior exit discharge areas are clean and unobstructed.		
5	Winter snow/ice hazards removed where employees enter/exit.		
6	Other.		
J	POWERED PLATFORMS, MANLIFTS, and VEHICLE MOUNTED WORK PLATFORMS		
1	Platforms in use are current with periodic maintenance, inspection, and testing.		
2	Guard rails and toe boards are adequate.		
3	Fall protection/Personal Protective Equipment provided, used and maintained.		
4	Instructions, required labeling and warning signs are legible and in clear view.		
5	Other.		
K	OCCUPATIONAL HEALTH and ENVIRONMENT CONTROL		
1	Ventilation/heating/cooling is adequate for the operation and area.		
2	Engineering controls are employed, wherever possible, to reduce noise levels.		
3	High noise areas are clearly identified and labeled.		
4	Hearing protection devices are provided and worn by employees where noise level exposures cannot be adequately reduced thru application of engineering or administrative controls.		
5	Other.		

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POWERED PLATFORMS, MANLIFTS, and VEHICLE MOUNTED WORK PLATFORMS

1. Platforms in use are current with periodic maintenance, inspection, and testing.
2. Guard rails and toe boards are adequate.
3. Fall protection/Personal Protective Equipment provided, used and maintained.
4. Instruction and warning signs are legible and in clear view.
5. Other.

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1. Platforms in use are current with periodic maintenance, inspection, and testing.
- A compliant rating would indicate that the machine has been inspected/ tested.
 - A non compliant rating would indicate that it has not.



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1. Platforms in use are current with periodic maintenance, inspection, and testing.
- This means that the platforms have been inspected prior to their use that day and any maintenance or other inspections have been done. The expectation is not that a record review take place but you may want to ask some questions about the machines inspection status of the operator/supervisor.



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1. Platforms in use are current with periodic maintenance, inspection, and testing.
- This item deals with ensuring that the platforms are inspected. At a minimum the lift needed to be inspected for that day and the inspection documented.
 - Additional inspections are in accordance with the manufacturers manual



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2. Guard rails and toe boards are adequate.

- This item discusses the requirement that the platform have adequate guardrails and toe boards.
 - The top rail must be 42" in height from the floor of the platform.
 - There must be a mid rail.
 - There must be a 3 1/2 " toe board (except where basket is entered).
- These rails must be in good order!



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2. Guard rails and toe boards are adequate.
- A compliant rating would indicate that the machine meets these requirements.
 - A non compliant rating would indicate that it has not. Bear in mind that you will need to make a comment if there is a problem and/or have the machine taken out of service.



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3. Fall protection/Personal Protective Equipment provided, used and maintained.

- This item discusses the requirement for workers in aerial lifts are wearing the correct PPE.
- Dependent upon the type of work and the type of lift this includes:
 - Fall Protection
 - Task specific PPE
 - Hard Hats



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3. Fall protection/Personal Protective Equipment provided, used and maintained.
- In this photo you can see a construction worker in an bucket truck. He is wearing his fall protection and a hard hat. Please click to see what happens.
 - He's providing signaling to coworkers when he feels something starting to fail



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3. Fall protection/Personal Protective Equipment provided, used and maintained.
 - The support bracing on the bucket has failure and the bucket tips.
 - As the bucket tips the worker fortunately had tied off with a short lanyard which kept him in the basket.



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3. Fall protection/Personal Protective Equipment provided, used and maintained.
 - The net result is that worker was able to manipulate the controls to get to the ground in a controlled manner.
 - Without the harness and tie off his descent would've been much more rapid and uncontrolled.



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4. Instruction and warning signs are legible and in clear view.

- The controls need to be labeled as to function and operation.
- The machine needs to have data on it with operating limits (name plate data) angles, etc.



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4. Instruction and warning signs are legible and in clear view.

- A compliant rating would indicate that the machine meets these requirements.
- A non compliant rating would indicate that it has not.



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4. Instruction and warning signs are legible and in clear view.

- The machine also needs to have intact “OSHA” labels warning of the need for PPE, fueling precautions, accidental contact with electrical lines, etc.
- Also, all of the manufacturers require that a copy of the operators manual be on the machine. Many times this also has these warnings.



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- If at any time you have any questions about how to fill out the form or about the items on the form please contact your project safety group.

**MSA GENERAL INDUSTRY-BASED SAFETY AND HEALTH
HAZARD INSPECTION CHECKLIST**

Facility:		Facility Representative:	
Date:		Team Member:	
Total Items Reviewed:		Team Member:	
Total Non-Compliant Items:		Team Member:	

No.	Inspection Observations	Compliant?	See Comments (indicate with X)
		Y•N•N/A	
A	FIRE PROTECTION INSPECTION <i>(All issues must be observed as applicable see note 2)</i>		
1	Emergency Lights - Each unit must be operable when tested.		
2	Portable Fire Extinguishers (PFE) - Each unit is properly mounted, an inspection tag is in place and reflects through previous month, the pressure gauge is in the "green" zone (where applicable).		
3	PFE is not obstructed, is visible, and the seal is not broken.		
4	Sprinkler Clearance - Clearance between the sprinkler deflector and the top of any storage is 18 inches or greater.		
5	Fire Riser Pressure Gauge Inspection - Inspect gauges to verify pressure to the building and pressure held in the fire system. Typically both gauges will have similar pressure readings.		
6	Fire Risers - Access to fire system sprinkler risers and other system components must be unobstructed.		
7	Fire Riser Valve Inspection - Check all seals, position and supervision for broken seals or possible tampering.		
8	Post Indicating Valve Inspection - This valve will be located outside of the facility. It must be verified that the window on the side of the valve reads "OPEN".		
9	Exit Signs - Exit signs with an internal lighting source must be checked to ensure all lamps are functional. - Exit signs that use Tritium must be observed that they have not been damaged, all applicable labels are present, the sign has not expired, and it is not covered with another sign.		
10	Fire Doors - Identify that fire doors operate freely and latch securely upon closure. Fire doors must not be propped open.		
11	Ceiling Tiles - Where automatic sprinklers are installed drop ceiling tiles are in place. Missing tiles slow response of fire suppression sprinklers.		
12	Manual alarm stations are easily identified and readily accessible.		
13	Other.		
B	GENERAL SAFE BEHAVIORS		
1	Employees are taking the necessary safety precautions for the work being performed.		
2	Work is being performed such that collocated employees in the area are not exposed to occupational hazards or unsafe conditions.		

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Thank you for your time
and desire to help us have
a safer workplace