

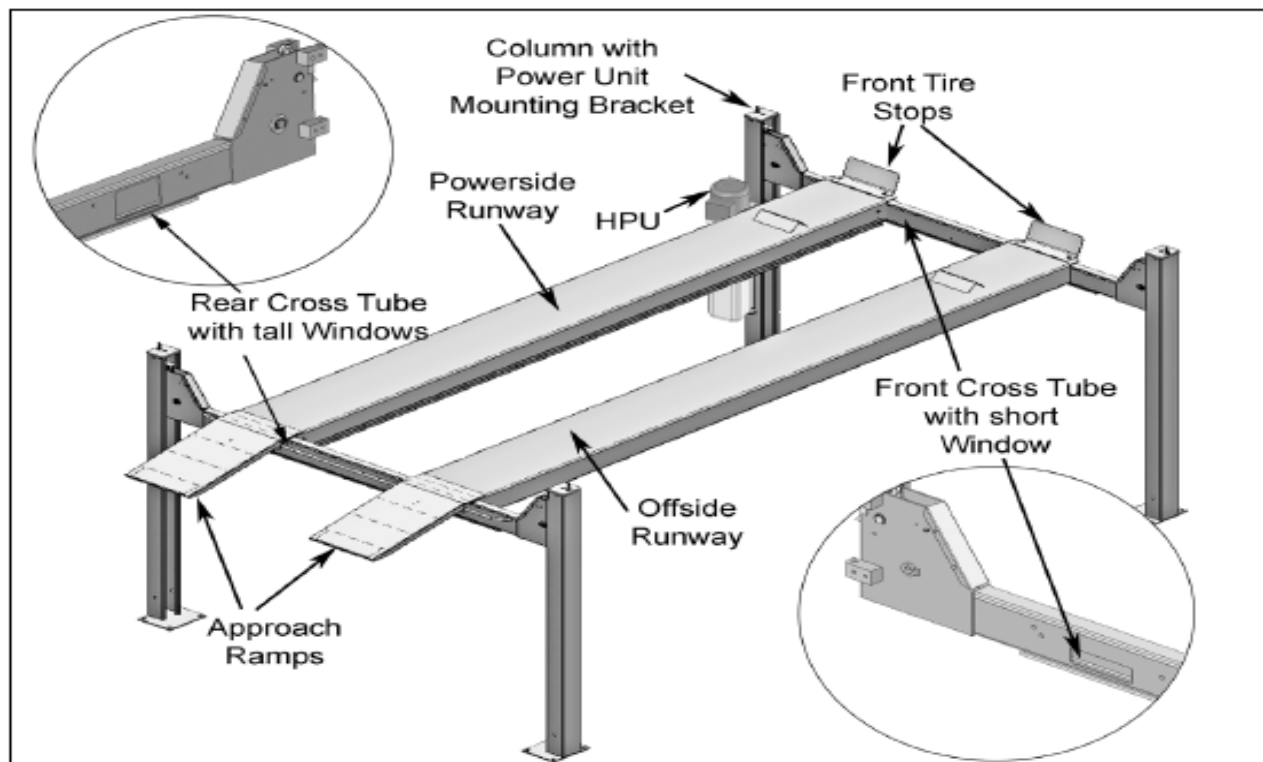


VUL-SWP-072a-016-Light Vehicle Hoist Operation

STANDARD WORK PROCEDURE (SWP)	
Description	Light vehicle hoist operation
Site	Vulcan Mine
Department	Ancillary maintenance
Purpose	Provide a Standard Work Procedure for safe operation of light vehicle hoist.
PPE Required	Task Specific PPE
    	Head Protection Safety footwear Eye protection Gloves High Visibility clothing
Job Step Analysis Reference	
JHA_20251113 Use four post hoist to service light vehicle	
Other Relevant Information - References	
VUL-SOP-073-Checking Mobile Plant VUL-SOP-076-Using Mobile Plant VUL-SOP-078-Isolation and Tagging VUL-ATN-38-Light Vehicle Hoist Authorisation	VUL-MOP-071-Equipment Compliance VUL-MOP-094.1(b)Housekeeping VUL-MOP-128(3)(g)-Signs and Demarcation
Compound Rules	
1. READ AND UNDERSTAND all safety warning procedures before operating lift.	
2. KEEP HANDS AND FEET CLEAR. Remove hands and feet from any moving parts. Keep feet clear of lift when lowering. Avoid pinch points.	
3. KEEP WORK AREA CLEAN. Cluttered work areas invite injuries.	
4. Consider work area environment. Do not expose equipment to rain. DO NOT use in damp or wet locations. Keep area well lighted.	
5. ONLY TRAINED OPERATORS should operate this lift. All non-trained personnel should be kept away from work area. Never let non-trained personnel come in contact with or operate lift.	
6. USE LIFT CORRECTLY. Use lift in the proper manner. Never use lifting adapters other than what is approved by the manufacturer.	
7. DO NOT override self-closing lift controls.	
8. REMAIN CLEAR of lift when raising or lowering vehicle.	
9. CLEAR AREA if vehicle is in danger of falling.	
10. ALWAYS ENSURE that the safety locks engaged before any attempt is made to work on or near vehicle.	
11. DRESS APPROPRIATELY. Site PPE requirements as per SOP-065-PPE are required when operating lift.	
12. NEVER remove safety related components from the lift. Do not use lift if safety related components are damaged or missing.	



Location of components



6350 KILOGRAM CAPACITY

MODELS:

HDS-14

HDS-14X





1. Prestart equipment

Inspection of hoist prior to use

1. Make a visual inspection of ALL MOVING PARTS and check for excessive signs of wear.
2. Check safety locks to ensure they are in good operating condition.
3. Check cables and sheaves for wear. Replace worn parts as required with genuine BendPak parts.
4. Inspect adapters for damage or excessive wear. Replace required with genuine BendPak parts.

VUL-FRM-10-43-Light Vehicle Hoist Operation Checklist must be completed daily at the commencement of each shift.

VUL-FRM-10-46-Light Vehicle Hoist Operation Checklist

Check list		Initials
1.	Inspect lift site and verify concrete condition	
2.	Check hydraulic oil level and check for leaks (10-WT hydraulic oil or Dexron automatic transmission fluid)	
3.	Check all safety locks and slack safety spring	
4.	Lubricate slide blocks and safety lock pivot points	
5.	Confirm cable routing and tension adjustments	
6.	Test power unit operation and hydraulic system (Maximum Operating Hydraulic Pressure 2,250 PSI)	
7.	Raise lift and verify safety lock engagement	
8.	Lower lift and confirm smooth operation	
9.	Ensure wheel chocks and approach ramps are in place	
10.	Verify all warning labels and decals are visible	
11.	Confirm operator training and safety procedures	
Comments Section		
Light Vehicle Hoist is safe to operate		☐ Yes ☐ No (notify Supervisor and attach out of service tag)
Name of Operator		
Signature		Date



2. Using hoist

2.1 Drive vehicle on hoist

1. Use a spotter to guide on ramps from front of vehicle avoiding line of fire.
2. Position vehicle at base of ramps and align vehicle to ramps.
3. With a spotter watching vehicle from side or rear of hoist, slowly drive vehicle up the ramps. Maintaining pos coms.
4. Stop the vehicle before the front tyres make contact with safety stops.
5. Place chocks under tyre pos 4 RHR.





2. Using hoist

2.2 Raising vehicle on hoist

1. Position vehicle tyres in the centre of each Runway.
2. Set parking brake and use Wheel Chocks to hold vehicle in position.
3. Before raising vehicle, be sure all personnel are clear of the lift and surrounding area. Pay careful attention to overhead clearances.
4. Raise the lift to the desired height by pressing the push button on the power unit. Maintaining visual level on ramps.

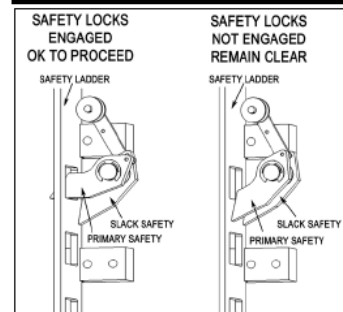
NOTE: ALLOW (2) SECONDS BETWEEN MOTOR STARTS. FAILURE TO COMPLY MAY CAUSE MOTOR BURNOUT.

After vehicle is raised to the desired height, lower the lift onto the nearest Safety Lock. Do not allow Cables to become slack. ALWAYS ENSURE ALL SAFETY LOCKS ARE ENGAGED before entering work area.



! DANGER

DANGER!
VISUALLY CONFIRM THAT ALL PRIMARY SAFETY LOCKS ARE ENGAGED BEFORE ENTERING WORK AREA. SUSPENSION COMPONENTS USED ON THIS LIFT ARE INTENDED TO RAISE AND LOWER LIFT ONLY AND ARE NOT MEANT TO BE LOAD HOLDING DEVICES. REMAIN CLEAR OF ELEVATED LIFT UNLESS VISUAL CONFIRMATION IS MADE THAT ALL PRIMARY SAFETY LOCKS ARE FULLY ENGAGED AND THE LIFT IS LOWERED ONTO THE SAFETY LOCKS. REFER TO INSTALLATION/OPERATION MANUAL FOR PROPER SAFETY LOCK PROCEDURES AND/OR FURTHER INSTRUCTION.



! WARNING

WARNING!
WHEN LOWERING THE LIFT PAY CAREFUL ATTENTION THAT ALL PERSONNEL AND OBJECTS ARE KEPT CLEAR. ALWAYS KEEP A VISUAL LINE OF SIGHT ON THE LIFT AT ALL TIMES. ALWAYS MAKE SURE THAT ALL LOCKS ARE DISENGAGED. IF ONE OF THE LOCKS INADVERTENTLY LOCKS UPON DESCENT THE VEHICLE MAY DISMOUNT CAUSING PERSONAL INJURY OR DEATH.

! WARNING

WARNING!
TO AVOID PERSONAL INJURY AND/OR PROPERTY DAMAGE, PERMIT ONLY TRAINED PERSONNEL TO OPERATE LIFT. AFTER REVIEWING THESE INSTRUCTIONS, PRACTICE USING LIFT CONTROLS BY RUNNING THE LIFT THROUGH A FEW UNLOADED CYCLES BEFORE LOADING VEHICLE ON LIFT. NEVER RAISE JUST ONE END, ONE CORNER, OR ONE SIDE OF VEHICLE.



2. Using hoist

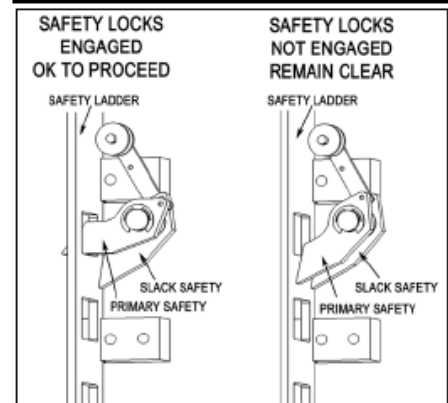
2.3 Lowering vehicle on hoist

1. Before lowering vehicle, be sure all personnel are clear of the lift and surrounding area. Pay careful attention to overhead clearances. Ensure all tools and equipment have been cleared from under the lift.
2. Raise the lift off of the Safety Locks by pressing the push button on the Power Unit. Make sure you raise the lift by at least two inches to allow adequate clearance for the locks to clear.
3. Press the push button air safety valve and HOLD.
4. Push the LOWERING HANDLE on the Power Unit until the lift has descended completely. Maintaining visual level on ramps.



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2. Using hoist

2.4 Drive vehicle off hoist

1. Remove chocks under tyre pos 4 RHR.
2. With a spotter watching vehicle from side or rear of hoist, slowly drive vehicle down the ramps. Maintaining positive communications.
3. Use a spotter to guide off ramps from front of vehicle avoiding line of fire.
4. Position vehicle at base of ramps and on flat ground.

