

[Manuals.plus](#) /

› [TUSK](#) /

› Tusk UTV Lift Universal Air/Hydraulic Garage Lift Instruction Manual

**TUSK 1841920001**

# Tusk UTV Lift Universal Air/Hydraulic Garage Lift Instruction Manual

Model: 1841920001

## 1. INTRODUCTION

Thank you for choosing the Tusk UTV Lift. This universal air/hydraulic garage lift is designed to assist with the maintenance and service of your UTV, providing a safe and elevated working platform. Please read this manual thoroughly before assembly, operation, or maintenance to ensure proper use and safety.



Figure 1: Tusk UTV Lift in operation, supporting a UTV.

## 2. SAFETY INFORMATION

**WARNING:** Failure to follow these safety instructions may result in serious injury or property damage.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves.
- Ensure the lift is on a flat, level, and solid surface capable of supporting the lift and the UTV's weight.
- Do not exceed the maximum lifting capacity of 1,800 lbs (816 kg).
- Before working under a lifted UTV, always engage the 4-position safety lock mechanism. Never rely solely on the hydraulic pressure.
- Keep hands, feet, and clothing clear of moving parts during operation.
- Ensure the UTV is centered and stable on the lift platforms before raising.
- Do not modify the lift in any way. Use only genuine Tusk replacement parts.
- Keep children and unauthorized personnel away from the lift during operation.

- Disconnect air supply before performing any maintenance or adjustments.



Figure 2: The 4-position safety lock system is crucial for secure operation.

### 3. COMPONENTS INCLUDED

---

The Tusk UTV Lift comes with all necessary hardware for assembly. Please verify all components are present before beginning assembly.

- Main Lift Frame Assembly
- Hydraulic/Pneumatic Cylinder
- Control Valve Assembly
- Air Hose with Quick Connect
- Handle for Mobility
- 5-inch Wheels (pre-installed or to be installed)
- Assembly Hardware (bolts, nuts, washers)
- Instruction Manual (this document)

### 4. ASSEMBLY AND SETUP

---

The Tusk UTV Lift is designed for easy assembly. Follow these steps carefully:

1. **Unpack Components:** Carefully remove all parts from the packaging. Lay them out and compare with the components list to ensure everything is present.
2. **Attach Wheels (if not pre-installed):** Secure the 5-inch wheels to the designated points on the lift frame using the provided hardware. Ensure they are tightly fastened for stability and mobility.
3. **Connect Hydraulic/Pneumatic System:** Attach the hydraulic/pneumatic cylinder and control valve assembly according to the diagrams. Ensure all connections are secure and leak-free.
4. **Attach Handle:** Install the mobility handle to the front or rear of the lift frame as indicated in the diagrams. This handle aids in moving the lift when not in use.
5. **Initial Inspection:** Before first use, inspect all bolts and connections to ensure they are tight. Check for any signs of damage or wear.



Figure 3: The integrated handle and 5-inch wheels allow for easy repositioning of the lift.

## 5. OPERATING INSTRUCTIONS

---

### 5.1. Preparing for Lift

- Position the UTV lift on a firm, level surface.
- Ensure there is adequate clearance around the UTV and the lift for safe operation.
- Drive or push the UTV onto the lift platforms, ensuring it is centered and stable.
- Engage the UTV's parking brake and place it in park (if applicable).
- Connect an air compressor to the lift's air inlet. The lift requires a stable air supply for pneumatic operation.

### 5.2. Lifting the UTV

1. Ensure the safety lock mechanism is disengaged (if it was previously engaged).
2. Slowly activate the lift control valve to begin raising the UTV.
3. Monitor the UTV's stability as it rises. Adjust positioning if necessary.
4. Once the desired height is reached (up to 28 inches), engage the 4-position safety lock mechanism. This is critical for safety.
5. After engaging the safety locks, slowly release the hydraulic pressure until the lift rests securely on the safety locks.



Figure 4: A UTV elevated to its maximum height on the Tusk UTV Lift, ready for maintenance.



Figure 5: The lift provides ample clearance for various maintenance tasks, such as tire removal.

### 5.3. Lowering the UTV

1. Ensure all work under the UTV is complete and tools are removed.
2. Slightly raise the UTV off the safety locks by activating the lift control valve.
3. Disengage the 4-position safety lock mechanism.
4. Slowly and carefully release the hydraulic pressure to lower the UTV. Ensure a controlled descent.
5. Once the UTV is fully lowered, disconnect the air supply.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Tusk UTV Lift.

- **Lubrication:** Periodically lubricate all pivot points and moving parts with appropriate grease.
- **Inspection:** Before each use, inspect the lift for any signs of damage, wear, or loose fasteners. Pay close attention to the hydraulic cylinder, hoses, and safety locks.
- **Cleaning:** Keep the lift clean and free of dirt, debris, and corrosive materials.
- **Hydraulic Fluid:** Check the hydraulic fluid level periodically and refill if necessary with recommended hydraulic oil. Consult a qualified technician if you suspect a leak.
- **Air System:** Ensure the air connections are tight and free of leaks. Drain any moisture from your air compressor's tank regularly.



Figure 6: The robust construction requires minimal but consistent maintenance for optimal performance.

## 7. TROUBLESHOOTING

### Common Issues and Solutions

| Problem             | Possible Cause                                                                                 | Solution                                                                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Lift does not raise | No air supply or insufficient pressure;<br>Low hydraulic fluid; Safety lock engaged; Overload. | Check air compressor connection and pressure (min 90 PSI);<br>Check hydraulic fluid level; Disengage safety lock; Ensure UTV weight is within capacity. |

| Problem                        | Possible Cause                                                             | Solution                                                                                                                                         |
|--------------------------------|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Lift lowers slowly or unevenly | Air in hydraulic system; Leaking hydraulic seals; Obstruction.             | Bleed air from the system (consult manual or technician); Inspect for leaks and replace seals if necessary; Check for any physical obstructions. |
| Safety locks do not engage     | Mechanism obstructed or damaged; Lift not fully raised to a lock position. | Clear any obstructions; Inspect mechanism for damage; Raise lift slightly higher to allow locks to engage.                                       |

If you encounter issues not listed here or if solutions do not resolve the problem, contact Tusk customer support.

## 8. SPECIFICATIONS

**Model:** 1841920001

**Lifting Capacity:** 1,800 lbs (816 kg)

**Operation:** Pneumatic/Hydraulic

**Fully Lowered Height:** 8.5 inches (21.6 cm)

**Fully Raised Height:** 28 inches (71.1 cm)

**Overall Length:** Approximately 76 inches (193 cm)

**Overall Width:** Approximately 26 inches (66 cm)

**Safety Features:** 4-position auto-locking mechanism

**Mobility:** Integrated handle and 5-inch wheels

**Construction:** Durable steel, powder-coated finish

**Item Weight:** 243 pounds (110.2 kg)

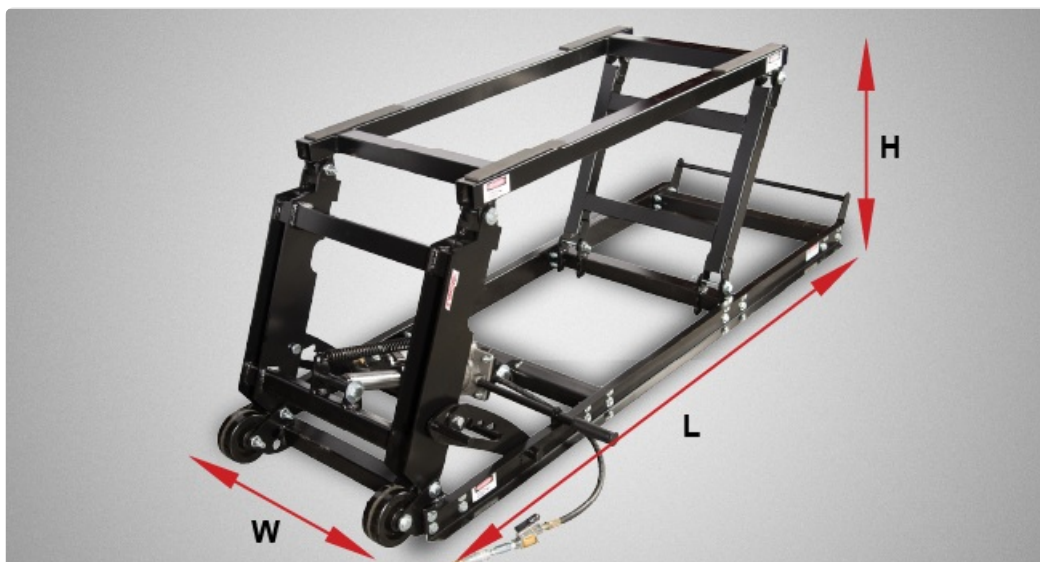


Figure 7: Key dimensions of the Tusk UTV Lift.

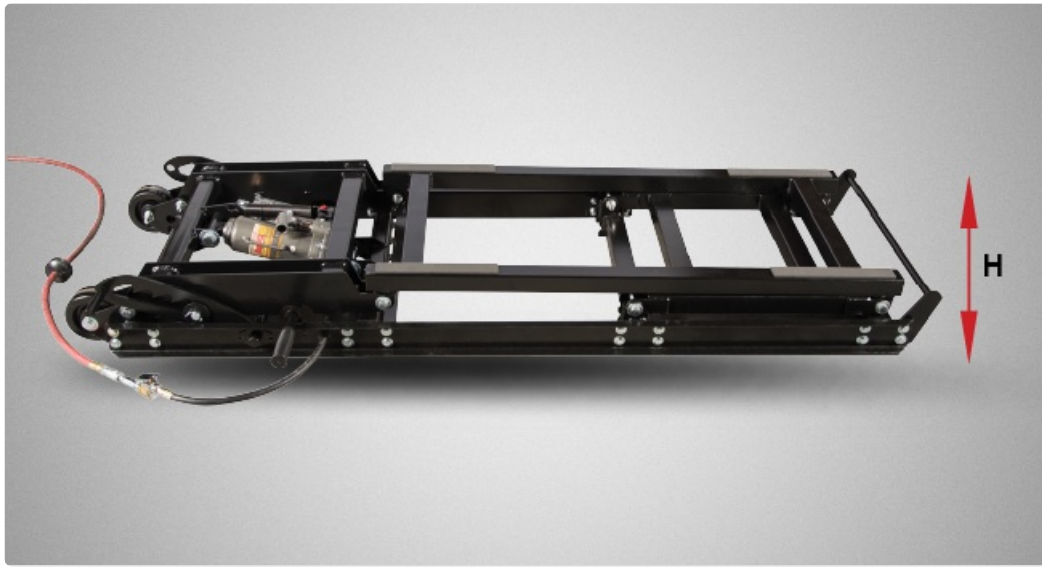


Figure 8: The lift's low profile when fully lowered (8.5 inches).

## 9. WARRANTY INFORMATION

---

Tusk products are manufactured to high-quality standards. This product is covered by a limited warranty against defects in materials and workmanship. For specific warranty terms, conditions, and duration, please refer to the warranty card included with your purchase or visit the official Tusk website. Keep your proof of purchase for warranty claims.

## 10. CUSTOMER SUPPORT

---

For technical assistance, parts inquiries, or warranty claims, please contact Tusk customer support:

**Website:** [www.rockymountainatvmc.com/tusk](http://www.rockymountainatvmc.com/tusk)

**Phone:** Refer to the contact information provided on the Tusk website or your purchase documentation.

**Email:** Refer to the contact information provided on the Tusk website or your purchase documentation.

Please have your model number (1841920001) and purchase date available when contacting support.