



# Human Hoist

## LiftMate Powered Stool

Operation Manual

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## Safety

Safety is important in everything we do, and it is important when using your Human Hoist® LiftMate Powered Stool. Throughout this manual we will provide important information characterized as "Important", "Caution", or "Warning":

**Important** – This is important information that will allow you to get the maximum benefits and fully utilize the features of your Human Hoist LiftMate Stool.

**Caution** – This is information regarding issues that could diminish the functionality or cause damage to your Human Hoist LiftMate Stool or could result in minor injury to the operator or those nearby.

**Warning** – This is information about things that could seriously injure or result in the death of the operator or those nearby.

**WARNING:** The Human Hoist LiftMate Powered Stool features dual hand controls. Any attempt to circumvent the proper operation of these controls can result in injury or death.

The following information should be read and understood by anyone who will be operating or working near the Human Hoist LiftMate Stool.

1. Always place both feet flat on the floor and both hands on the controls before operation.
2. No more than one person on the LiftMate Powered Stool at any time. No one but the operator should touch the Stool during operation.
3. To get the most from your Human Hoist LiftMate Powered Stool, be sure the battery is fully charged before use.
4. Before lowering, raising, or moving your LiftMate Stool, be sure the area is clear of obstructions, bystanders, co-workers or pets.
5. Always remove the batteries and store in a secure, dry location when your Human Hoist LiftMate Stool is not being used.
6. Your Human Hoist LiftMate Stool should not be operated by anyone under the influence of alcohol or drugs. Anyone taking prescription drugs that could cause drowsiness or other side effects that might keep them from driving or operating heavy machinery should not use the Human Hoist LiftMate Stool.

**Read all instructions.** For safe operation, read and understand all instructions before using this product. Follow all safety instructions. Failure to follow all safety instructions can result in serious personal injury or death. Do not allow children or untrained individuals to use Human Hoist.

**Check the work area before each use** – Remove all objects such as stones, tools, fasteners, hoses, or cords which can impede movement or become entangled in the Stool. Protect your eyes. Always wear eye protection with side shields marked to comply with ANSI Z87.1. Protect your lungs. Always wear a face or dust mask if the operation is dusty. Following these rules will reduce the risk of serious personal injury. Wear an appropriate bump cap or hard hat if there is a chance of your head injury while using Human Hoist.

**Dress Properly** – Use of substantial footwear is recommended when using the LiftMate Powered Stool. Do not wear loose fitting clothing, short pants, sandals, or go barefoot. Secure long hair above shoulder level to prevent entanglement in moving parts. Keep children and animals away – Keep all bystanders, children, and pets at least 10 ft. away.

**Stay alert** – Do not operate this unit when you are tired, ill, or under the influence of alcohol, drugs, or medication. Do not operate in poor lighting. Keep all parts of your body away from any moving part.

**Avoid Dangerous Environments** – Don't expose your LiftMate Powered Stool to rain or wet conditions. Do not operate the LiftMate Powered Stool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

Use the correct tool for your application while using the LiftMate Powered Stool. The correct tool will do the job better and safer at the rate for which it is designed. Don't force movement; if the LiftMate Powered Stool will not move, determine why before applying extra force.

Do not overreach – Keep your balance. Overreaching can result in loss of balance and potential injury.

Do not use the LiftMate Powered Stool if switches do not turn it on or off, or properly control the speed. Disconnect battery packs from the LiftMate Powered Stool before storing, cleaning, or changing accessories. Use only genuine Human Hoist replacement parts and accessories. Use of any other parts may create a hazard or cause product damage. Maintain the LiftMate Powered Stool with care – Remove from service for any malfunction or damage.

Failure to do so can cause serious injury. Keep pushbuttons dry, clean and free from oil and grease. Follow instructions for changing accessories.

Make sure all guards, straps, deflectors and handles are properly and securely attached. Use only Genuine Human Hoist accessories. Maintain a firm grip on both handles while raising or lowering the LiftMate Powered Stool.

Clean after each use. Remove battery packs when not in use. Store out of the reach of children. Battery tools do not have to be plugged into an electrical outlet; therefore, they are always in operating condition. Disconnect battery before servicing, cleaning or removing debris from Human Hoist. Use battery only with charger supplied. For use with Human Hoist Approved battery packs, only as originally supplied with your unit.

Do not dispose of the batteries in a fire. The cell may explode. Check with local codes for possible special disposal instructions. Do not open or mutilate the batteries. Open or mutilated batteries react with moisture in the air and are a fire hazard. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed. Do not place batteries near fire or heat. This will reduce the risk of explosion and possibly injury. An exploded battery can propel debris and chemicals. If exposed, flush with water immediately.

Do not crush, drop or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately. Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns. For best results, your battery tool should be charged in a location where the temperature is more than 50°F but less than 100°F. To reduce the risk of serious personal injury, do not store outside or in vehicles.

Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in contact with your skin, wash immediately with soap and water, then neutralize with lemon juice or vinegar. If liquid gets into your eyes, flush them with clean water for at least 10 minutes, then

seek immediate medical attention. Following this rule will reduce the risk of serious personal injury.

Save these instructions. Refer to them frequently and use them to instruct others who may use Human Hoist. If you loan someone your Human Hoist, loan them these instructions also.

**WARNING:** CALIFORNIA PROPOSITION 65: This product contains chemicals, including lead, known to the State of California to cause cancer, birth defects and other reproductive harm. Wash hands after handling.

## Operation

**IMPORTANT:** Before using your LiftMate Powered Stool for work take a few minutes to familiarize yourself with the controls and operation. Practice lowering and raising the Stool. Find and operate the brake on each wheel (if equipped), and practice rolling from one area to another. Be sure to read LiftMate Powered Stool Operators Manual and fully comprehend the operation of the LiftMate Powered Stool before use.

**WARNING:** Always place both feet flat on the floor and both hands on the controls before operation. Never stand or place feet on any part of the LiftMate Powered Stool, frame or caster mounts. The LiftMate Powered Stool is intended for use by one person, and not for lowering or lifting anything other than the operator.

## Pushbutton Controls

There is a control unit on each side of the LiftMate Powered Stool. Pressing both down buttons moves the Stool downward. Pressing both "UP" buttons moves the Stool upward. Releasing either button will cause motion to stop. Both buttons must be held firmly to ensure Stool operation.

Depending on the weight of the operator, the Stool may move up or down faster or slower, so always be sure you are comfortable with the speed before using the unit. If in doubt, move away from the work to check the travel speed before using the LiftMate Powered Stool under or around work.

**WARNING:** Never raise the Stool beneath the work.

**Tip:** Taller users might find it easier to stand when The LiftMate Powered Stool is all the way up. Users with shorter legs might find that it's easier to stop the LiftMate Powered Stool when their feet are flat on the floor.

**CAUTION:** Be sure all parts of the LiftMate Powered Stool are clear of obstructions before raising Stool. Severe damage will result if the LiftMate Powered Stool is raised against heavy or immovable objects.

# **Battery Care and Maintenance**

## **Lithium Iron Battery Packs**

Deliver fade free power for their entire run time. The supplied lithium-ion batteries will not gradually lose power due to decreasing battery charge. Instead, power from the battery pack will drop from full to zero once the full charge has been drained from the battery. Once this happens, recharging of the battery is required. It is not necessary to drain the battery pack completely before recharging.

## **Battery Protection Features**

Lithium-ion battery packs are designed with features that protect the lithium-ion cells and maximize battery life. If the tool stops during use, release the trigger to reset and resume operation. If the tool still does not work, the battery needs to be recharged.

## **Cold Weather Operation**

The lithium-ion battery pack can be used in temperatures down to -4°F. Put the battery pack on a tool and use the tool in a light duty application. After about a minute, the pack will warm up and begin operating normally.

## **Battery State of Charge Gauge**

To display the amount of charge left in the battery, press the charge level indicator button as shown in the unit's indicator display.

## Routine Maintenance

The Human Hoist LiftMate Powered Stool is designed for years of trouble-free service with no mechanical maintenance. The only maintenance required is to remove the batteries and wipe the seat and frame with a damp cloth occasionally to remove dirt and accumulated debris.

## Battery Charging

### Charging the Battery Pack

Battery packs are shipped in a low charge condition to prevent possible problems. Therefore, you should charge prior to first use. If the charger does not charge the battery pack under normal circumstances, return both the battery pack and charger to your nearest Authorized Service Center for electrical check.

- Charge the battery pack only with the recommended charger.
- Connect the charger to a power supply. For approved power sources, refer to the operator's manual for the charger.
- Make sure the battery pack is secured in the charger before beginning operation.
- Press down on the battery pack to be sure contacts on the battery pack engage properly with contacts in the charger.
- The battery pack may become slightly warm to the touch while charging. This is normal and does not indicate a problem.
- Do not place the charger and battery pack in an area of extreme heat or cold. They will work best at normal room temperature.
- When batteries become fully charged, unplug the charger from the power supply and remove the battery pack. **DO NOT ATTEMPT TO OVER CHARGE.**

### Charging a Hot Battery Pack

When using a tool continuously, the battery pack may become hot. A hot battery pack may be placed directly onto the charger port but charging will not begin until the battery temperature cools to within acceptable temperature range. When a hot battery pack is placed on the charger, the red LED will begin flashing and the green LED will be off. When the battery pack cools, the charger will automatically begin charging.

### Charging a Cold Battery Pack

A cold battery pack may be placed directly onto the charger port but charging will not begin until the battery temperature warms to within acceptable temperature range. When a cold battery pack is placed on the charger, the red LED will begin flashing and the green LED will be off. When the battery pack warms, the charger will automatically begin charging.

## Battery Life

These batteries have been designed to provide maximum trouble-free life. However, like all batteries, they will eventually wear out. Do not disassemble battery pack and attempt to replace the batteries. Handling of these batteries, especially when wearing rings and jewelry, could result in a serious burn.

To obtain the longest possible battery life, we suggest the following:

- Remove the battery pack from the charger once it is fully charged and ready for use.

For battery pack storage longer than 30 days:

- Store the battery pack where the temperature is below 80°F and away from moisture.
- Store battery packs in a 30%-50% charged condition.
- Every six months of storage, charge the pack as normal.

### **Battery Pack Removal and Preparation for Recycling**

To preserve natural resources, please recycle or dispose of batteries properly. This product contains lithium-ion batteries. Local, state or federal laws may prohibit disposal of lithium-ion batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.

**WARNING:** Upon removal for recycling, cover the battery pack's terminals with heavy-duty adhesive tape. Do not attempt to destroy or disassemble battery pack or remove any of its components. Lithium-ion batteries must be recycled or disposed of properly. Also, never touch both terminals with metal objects and/or body parts as short circuit may result. Keep away from children. Failure to comply with these warnings could result in fire and/or serious injury.

## Repairs

If your LiftMate Powered Stool is damaged or malfunctions in use, remove it from service immediately and contact Technical Support for guidance. Call 989-843-3020, option 3 or email [repair@humanhoist.com](mailto:repair@humanhoist.com)

In the unlikely event of a malfunction, contact the factory immediately for assistance. All repairs, including those components covered by warranty, must be performed by the factory. Do not contact component manufacturers as they will not be able to provide replacement parts to you under warranty.

Repairs or modifications by anyone other than Human Hoist LLC, its agents, authorized dealers or repair centers, or other factory designated and trained representative voids all warranties and could result in serious injury or death.

## Troubleshooting

Problem	Possible Causes	Corrective Actions
Stool will not operate	Undercharged Battery	Charge Battery
	Battery not seated	Remove and reseal battery
	Tripped Circuit Breaker	Circuit Breaker will reset
	All other causes	Contact Tech Support
Stool will not roll freely	Caster Brake Applied	Release Caster Brake

## Contact Information

For Technical Support call 989-843-3020, option 3

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