EconoHome Expedition Transport Wheelchair

EconoHome Expedition Lightweight Transport Wheelchair User Manual

Model: Expedition Transport Wheelchair

1. Introduction

Thank you for choosing the EconoHome Expedition Lightweight Transport Wheelchair. This manual provides essential information for the safe and effective use, setup, operation, and maintenance of your new transport wheelchair. Please read this manual thoroughly before using the product and retain it for future reference.
The EconoHome Expedition Transport Wheelchair is designed for individuals requiring assistance with mobility. It features a lightweight, foldable aluminum frame, hand brakes, padded armrests, and swing-away footrests, supporting users up to 300 lbs.

2. Safety Information

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

- Always ensure the user is properly seated and secured with the seat belt before moving the wheelchair.
- Engage the hand brakes when transferring the user in or out of the wheelchair, or when the wheelchair is stationary.
- Do not exceed the maximum weight capacity of**300 lbs (136 kg)**.
- Always have an attendant present to push and maneuver the transport wheelchair. This chair is not designed for self-propulsion.
- Avoid sudden stops or turns, especially on uneven surfaces.
- Be cautious when navigating inclines, declines, or uneven terrain. Always approach curbs or obstacles slowly and with assistance.
- Keep hands and clothing clear of moving parts, especially wheels and folding mechanisms.
- Regularly inspect the wheelchair for any signs of wear, damage, or loose components. Do not use if damaged.

3. Components Overview

Familiarize yourself with the main components of your EconoHome Expedition Transport Wheelchair.



Figure 3.1: Fully assembled EconoHome Expedition Transport Wheelchair in blue.

- **Frame:** Lightweight aluminum construction.
- **Seat:** Padded fabric seat, 18" W x 16" D, with an adjustable seat belt.
- **Backrest:** Foldable backrest for compact storage.
- **Armrests:** Padded for user comfort.
- **Footrests:** Detachable and swing-away for easy transfers.
- **Rear Wheels:** 12-inch rubber wheels for smooth navigation.
- **Front Casters:** Maneuverable solid casters.
- **Hand Brakes:** Companion-activated hand brakes with a push-to-lock parking feature.
- **Push Handles:** Ergonomic handles for the attendant.



Figure 3.2: Detailed view of ergonomic and safety features including armrests, hand brakes, footrests, and seat belt.

4. Setup

Your EconoHome Expedition Transport Wheelchair arrives fully assembled. The setup primarily involves unfolding the chair and attaching the footrests.

4.1 Unfolding the Wheelchair

1. Place the folded wheelchair on a flat, stable surface.
2. Grasp the push handles and gently pull them apart to begin unfolding the frame.
3. Push down firmly on the seat rails until the seat is fully open and flat. Ensure all locking mechanisms (if present) are engaged.

4.2 Attaching the Footrests

1. Align the footrest attachment pins with the corresponding receptacles on the wheelchair frame.
2. Insert the pins and push down until the footrests click securely into place.
3. To swing the footrests into position, release the locking lever (usually located near the attachment point) and pivot the footrest forward. Lock it in place once positioned.

5. Operating Instructions

5.1 Seating the User

1. Ensure the wheelchair is on a level surface and the hand brakes are engaged (push down on the handles to lock).
2. Swing the footrests out of the way to facilitate transfer.
3. Assist the user to sit securely in the wheelchair.
4. Fasten the seat belt around the user's waist and adjust for a snug, comfortable fit.
5. Position the user's feet on the footrests.

5.2 Using the Hand Brakes

- **To slow down or stop:** Squeeze the hand brake levers on the push handles.
- **To lock the brakes (parking brake):** Push the hand brake levers down until they click into the locked position. This will hold the wheelchair stationary.
- **To release the brakes:** Pull the hand brake levers up.

5.3 Maneuvering the Wheelchair



Figure 5.1: The 12-inch rubber wheels provide a smooth drive for the user.

- Use the push handles to guide the wheelchair.
- To turn, gently push down on one handle while pulling up on the other in the desired direction.
- For smooth navigation over thresholds or small bumps, slightly tilt the wheelchair back by pressing down on the push handles to lift the front casters.

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Video 5.1: Demonstration of EconoHome Light Weight Wheelchair features, including seat belt usage and folding. This video shows a user securing the seat belt and the wheelchair's compact folding mechanism.

6. Folding and Storage

The EconoHome Expedition Transport Wheelchair is designed for easy folding and compact storage.

6.1 Folding the Wheelchair

1. Ensure the user has been safely transferred out of the wheelchair.
2. Remove the footrests by releasing their locking levers and pulling them upwards.
3. Grasp the center of the seat (usually a strap or handle) and pull upwards. The sides of the wheelchair frame will begin to fold inward.
4. Continue pulling until the wheelchair is fully collapsed.



Figure 6.1: The wheelchair folds compactly for easy transport and storage in a car trunk.

6.2 Storage

Store the folded wheelchair in a dry, clean place. A protective waterproof cover is included to protect the wheelchair during storage or transport.

7. Maintenance

Regular maintenance ensures the longevity and safe operation of your wheelchair.

- **Cleaning:** Wipe down the frame and seat with a damp cloth and mild soap. Do not use abrasive cleaners. Ensure all parts are dry before storage.
- **Wheel Inspection:** Periodically check the wheels and casters for debris, wear, or damage. Ensure they spin freely.
- **Brake Check:** Test the hand brakes regularly to ensure they engage and disengage properly and hold the wheelchair securely.
- **Fasteners:** Check all screws, bolts, and other fasteners periodically and tighten if necessary. Do not overtighten.
- **Fabric:** Inspect the seat and backrest fabric for tears or excessive wear.

8. Troubleshooting

If you encounter any issues with your wheelchair, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Wheelchair does not roll smoothly.	Debris in wheels/casters, loose axle, worn bearings.	Clean wheels, check for loose parts, contact customer support if persistent.
Brakes are not holding securely.	Brake cable needs adjustment, worn brake pads.	Inspect brake mechanism, adjust cable tension if possible, or contact customer support.
Footrests are difficult to attach/detach or swing.	Pins are misaligned, locking mechanism is stiff or dirty.	Ensure proper alignment, clean and lubricate locking mechanism if needed.
Wheelchair feels unstable.	Loose frame components, uneven ground.	Check and tighten all frame fasteners. Ensure use on level ground.

For issues not listed here or if solutions do not resolve the problem, please contact EconoHome customer support.

9. Specifications

Feature	Detail
Model	Expedition Transport Wheelchair
Frame Material	Aluminum
Weight Capacity	300 lbs (136 kg)
Product Weight	Approximately 22 lbs (10 kg)
Seat Dimensions	18 inches (W) x 16 inches (D)
Overall Dimensions (Unfolded)	37.5 x 24.5 x 19.5 inches (approximate)
Rear Wheel Type	12-inch Rubber
Front Wheel Type	Solid Casters
Brake Style	Hand brake, Push-to-Lock
Additional Features	Foldable, Lightweight, Portable, Padded Armrests, Adjustable Seat Belt, Swing-Away Footrests

10. Warranty and Support

For information regarding warranty coverage, returns, or technical support, please refer to the documentation included with your purchase or contact EconoHome customer service directly. Contact details can typically be found on the product packaging or the official EconoHome website.
Please have your product model and purchase date available when contacting support.

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Example: How do I reset this device or fix this error?

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