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Kelty Coyote 80

Kelty Coyote 80 Internal Frame Backpack User Manual

Model: Coyote 80

Introduction

This manual provides comprehensive instructions for the proper setup, operation, maintenance, and care of your Kelty Coyote 80 Internal Frame Backpack. Understanding these guidelines will ensure optimal performance, comfort, and longevity of your pack during your outdoor adventures.



Figure 1: Kelty Coyote 80 Internal Frame Backpack

The Kelty Coyote 80 is designed as a fully-featured load hauler, suitable for extended trips into the backcountry. It incorporates advanced suspension systems and durable materials to provide stability and comfort under heavy loads.

Features Overview

The Coyote 80 backpack is equipped with several key features to enhance your backpacking experience:

- **CloudLock II Adjustable Suspension:** Provides a customizable fit for various torso lengths.
- **LightBeam II Dual Aluminum Stays:** Offers robust support and efficient load transfer to the hip belt.
- **Top-Loading Design:** Main compartment access from the top for easy packing.
- **Front-Panel Access:** Zippered access to the main compartment for quick retrieval of items.
- **Multiple Pockets:** Includes zippered side pockets, mesh water bottle pockets, and zippered hip belt pockets for organized storage.
- **Hydration Compatible:** Internal sleeve and port for a hydration reservoir (reservoir not included).
- **Convertible Lid:** The top lid detaches and converts into a lumbar pack for shorter excursions from camp.
- **Compression Straps:** Side compression straps to stabilize the load.

Setup and Adjustment

Proper adjustment of your backpack is crucial for comfort and efficient load carrying. The Kelty Coyote 80 features an adjustable suspension system to fit a range of torso lengths.

1. Torso Length Adjustment (CloudLock II Suspension)

1. **Determine Your Torso Length:** Measure the distance from the C7 vertebra (the most prominent bone at the base of your neck) down to the top of your hip bones (iliac crest). The Coyote 80 accommodates torso lengths from 14.5 to 18.5 inches (37 to 47 cm).
2. **Loosen Adjustment Straps:** Locate the adjustment straps on the back panel of the pack, typically near the shoulder yoke. Loosen these straps to allow the shoulder harness to move freely.
3. **Adjust Shoulder Harness:** Slide the shoulder harness up or down along the internal frame until it aligns with your measured torso length. The top of the shoulder straps should be approximately 1-2 inches below your shoulders when the hip belt is properly positioned.
4. **Secure Adjustment Straps:** Once the desired position is found, tighten the adjustment straps firmly to lock the shoulder harness in place.

2. Hip Belt Adjustment

1. **Position the Hip Belt:** The padded section of the hip belt should rest comfortably over your hip bones (iliac crest). Approximately 60-80% of the pack's weight should be supported by your hips.
2. **Tighten the Hip Belt:** Pull the hip belt straps forward simultaneously until the belt is snug and secure around your hips. It should be tight enough to prevent slipping but not uncomfortably restrictive.

3. Shoulder Strap Adjustment

1. **Tighten Shoulder Straps:** Pull the main shoulder strap adjusters downwards until the pack feels secure against your back. Avoid over-tightening, as this can shift too much weight to your shoulders.

4. Load Lifter Straps

1. **Adjust Load Lifters:** These straps connect the top of the shoulder straps to the top of the pack. Pull them forward and down at an angle of approximately 45 degrees. This pulls the top of the pack closer to your body, preventing it

from leaning back and improving stability.

5. Sternum Strap

1. **Fasten Sternum Strap:** Connect the sternum strap across your chest and adjust its height and tension. It should be positioned comfortably across your sternum, preventing the shoulder straps from spreading too wide and allowing for natural arm movement.

Operating Your Backpack

Loading the Pack

Proper loading distributes weight evenly and enhances comfort:

- **Bottom:** Place bulky, compressible items like sleeping bags or extra clothing.
- **Middle (Core):** Position dense, heavy items (food, water, stove) close to your back, between your shoulder blades.
- **Top:** Store frequently accessed items (rain gear, snacks, first-aid kit) for easy retrieval.
- **Pockets:** Use external pockets for small essentials, water bottles, and items needed on the go.

Accessing Compartments

- **Top-Loading:** Uncinch the spindrift collar and open the top lid to access the main compartment from above.
- **Front-Panel Access:** Unzip the large front panel zipper to access items in the main compartment without unpacking from the top.
- **Side Pockets:** Utilize zippered side pockets for additional organization.
- **Hip Belt Pockets:** Store small items like snacks, phone, or GPS for quick access while hiking.

Hydration System Use

The Coyote 80 is hydration compatible:

1. Insert your hydration reservoir (not included) into the internal sleeve located against the back panel.
2. Route the hydration tube through the designated port at the top of the pack.
3. Secure the tube to the shoulder strap using the elastic loops or clips provided for easy access.

Lid Conversion to Lumbar Pack

For short side trips from your main camp, the top lid can be converted:

1. Detach the top lid from the main pack by unbuckling its attachment straps.
2. Locate the hidden waist belt straps within the lid.
3. Pull out and secure these straps around your waist to use the lid as a small lumbar pack.

Maintenance and Care

Cleaning Instructions

To maintain the integrity and appearance of your backpack:

- **Hand Wash Only:** Do not machine wash or tumble dry.
- Use a mild soap (e.g., diluted dish soap) and lukewarm water.
- Gently scrub soiled areas with a soft brush or sponge.
- Rinse thoroughly with clean water to remove all soap residue.

- Air dry completely in a shaded, well-ventilated area. Avoid direct sunlight, which can degrade fabrics.
- Do not use bleach or harsh detergents.

Storage

When not in use, store your backpack in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the pack is completely dry before storing to prevent mildew growth.

Troubleshooting

Discomfort or Poor Fit

- **Shoulder Pain:** Ensure the hip belt is carrying most of the weight. Re-check torso length adjustment. Loosen shoulder straps slightly and tighten load lifters.
- **Hip Pain:** Verify the hip belt is positioned correctly over your hip bones. Adjust tightness; it should be snug but not pinching.
- **Pack Swaying:** Tighten side compression straps to secure the load. Adjust load lifters to bring the pack closer to your body. Ensure heavy items are packed close to your back.
- **General Discomfort:** Re-evaluate all adjustment points (torso length, hip belt, shoulder straps, load lifters, sternum strap) with the pack loaded. Small adjustments can make a significant difference.

Specifications

Feature	Detail
Model Name	Coyote 80
Capacity	78 Liters (4750 cubic inches)
Weight	5 lb 9 oz (2.52 kg)
Torso Fit Range	14.5" - 18.5" (37 - 47 cm)
Dimensions (H x W x D)	34" x 16" x 16.5" (86 x 41 x 42 cm)
Body Fabric	420D Polyester Ball Shadow
Reinforcement Fabric	420D Polyester Oxford
Suspension System	CloudLock II Adjustable Suspension
Frame Type	Internal Frame (LightBeam II Dual Aluminum Stays)
Color	Java
Care Instructions	Hand Wash Only

Warranty and Support

Limited Lifetime Warranty

Kelty products, including the Coyote 80 backpack, are covered by a limited lifetime manufacturer's warranty against defects in materials and workmanship. This warranty applies to the original owner and covers manufacturing defects for the reasonable lifetime of the product. It does not cover damage caused by normal wear and tear, improper use,

accidents, modifications, or neglect.

Customer Support

For warranty claims, product inquiries, or further assistance, please refer to the official Kelty website or contact Kelty customer service directly. Keep your proof of purchase for warranty service.

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