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- › [BLACK DIAMOND](#) /
- › [Black Diamond Dawn Patrol 32 Backpack Instruction Manual](#)

BLACK DIAMOND Dawn Patrol 32

Black Diamond Dawn Patrol 32 Backpack Instruction Manual

1. PRODUCT OVERVIEW

The Black Diamond Dawn Patrol 32 Pack is a lightweight, mid-sized ski pack designed for a variety of on-snow activities, including backcountry skiing and dedicated ski touring. It features versatile carry systems for both skis and snowboards, an active, form-fitting suspension for a contoured fit, and convenient zippered backpanel access.

Key Features:

- Avalung-ready design (Avalung element sold separately)
- Active, form-fitting suspension with zippered back panel access
- Constructed with high-tenacity, ultralight Dynex side panels and shoulder straps
- Tuck-away diagonal ski carry and A-frame carry options
- Dedicated ice tool pickpockets and hi-lo helmet holder
- Specialized avy Tools organizer pocket
- Hydration compatible with an insulated sleeve and shoulder strap routing



Image 1: Rear view of the Black Diamond Dawn Patrol 32 Backpack, showcasing the active suspension system and overall design.

2. SETUP AND ADJUSTMENT

2.1 Fitting the Backpack

1. **Load the Pack:** Before adjusting, load the pack with typical gear to simulate its weight and distribution during use.
2. **Loosen Straps:** Fully loosen all shoulder straps, load lifters, and the hip belt.
3. **Position Hip Belt:** Place the hip belt so its center aligns with the top of your hip bones. Cinch the hip belt securely. Approximately 70-80% of the pack's weight should rest on your hips.
4. **Tighten Shoulder Straps:** Pull the shoulder straps down and back until they are snug. They should wrap comfortably over your shoulders without creating gaps or digging in.
5. **Adjust Load Lifters:** The load lifter straps are located above your shoulders, connecting the top of the pack to the shoulder straps. Tighten these straps to pull the top of the pack closer to your body, distributing weight more evenly and preventing the pack from swaying.
6. **Sternum Strap:** Fasten the sternum strap across your chest and adjust its height and tension for comfort. This helps stabilize the shoulder straps.

2.2 Ski and Snowboard Carry Systems

The Dawn Patrol 32 offers multiple options for carrying skis or a snowboard.

- **Diagonal Ski Carry:** Utilize the tuck-away strap located at the bottom of the pack and the top strap to secure skis diagonally across the pack. Ensure bindings are facing away from your back.
- **A-Frame Ski Carry:** Attach skis to the side compression straps, one on each side, forming an 'A' shape. This method offers good balance and stability.
- **Snowboard Carry:** The pack is equipped with straps to secure a snowboard vertically across the back panel.



Image 2: Side view of the Black Diamond Dawn Patrol 32 Backpack, illustrating potential attachment points for skis or other gear.

2.3 Ice Tool Attachment

The pack features dedicated ice tool pickpockets and shaft straps. Insert the pick into the reinforced loop at the bottom and secure the shaft with the elastic or webbing strap higher on the pack. Ensure tools are securely fastened and do not interfere with movement.

2.4 Helmet Holder

A hi-lo helmet holder is integrated into the pack. Attach your helmet using the designated clips or straps, ensuring it is stable and does not obstruct your view or movement.

2.5 Hydration System

The pack includes an insulated sleeve for a hydration reservoir (not included) and routing for the drinking tube along the shoulder strap. Insert your reservoir into the sleeve and feed the tube through the designated port and along the shoulder strap for easy access.

3. OPERATING THE BACKPACK

3.1 Main Compartment Access

The primary access to the main compartment is via a zippered back panel. This allows for easy access to contents without removing all attached gear or exposing the main compartment to snow when the pack is laid down.



Image 3: Front view of the Black Diamond Dawn Patrol 32 Backpack, highlighting the main body and attachment points.

3.2 Avy Tools Pocket

A dedicated organizer pocket is provided for avalanche safety tools such as a shovel and probe. Store these items in this easily accessible pocket for quick deployment in an emergency.

3.3 External Pockets and Straps

Utilize any external pockets for small, frequently accessed items. Compression straps can be used to cinch down the pack's volume when not fully loaded, or to secure additional gear externally.

4. MAINTENANCE

4.1 Cleaning

To clean your backpack, hand wash it with mild soap and cool water. Avoid using harsh detergents or bleach. For stubborn dirt, use a soft brush. Rinse thoroughly to remove all soap residue.

4.2 Drying

Hang the backpack upside down in a well-ventilated area, away from direct sunlight or heat sources, to air dry completely. Ensure all compartments are open to prevent mildew growth.

4.3 Storage

Store your clean, dry backpack in a cool, dry place, away from direct sunlight and extreme temperatures. Avoid compressing the pack for long periods, as this can affect its shape and materials.

5. TROUBLESHOOTING

5.1 Discomfort or Poor Fit

- **Issue:** Shoulder pain or pressure points.
Solution: Re-adjust the hip belt to ensure it carries most of the weight. Loosen shoulder straps slightly and adjust load lifters to pull the pack closer to your body.
- **Issue:** Pack swaying or unstable.
Solution: Ensure all compression straps are tightened. Re-adjust load lifters and sternum strap. Check that the load inside the pack is balanced and heavy items are close to your back.

5.2 Gear Attachment Issues

- **Issue:** Skis/snowboard feel loose or shift during carry.
Solution: Double-check all straps used for ski/snowboard carry. Ensure they are cinched tightly and the gear is positioned correctly to prevent movement.
- **Issue:** Ice tools are not secure.
Solution: Confirm the pick is fully seated in the pickpocket and the shaft strap is tightly secured around the tool's shaft.

5.3 Hydration System Leaks

- **Issue:** Water leaking from the reservoir or tube.
Solution: Ensure the reservoir cap is tightly sealed. Check all tube connections for tightness. Inspect the reservoir and tube for any punctures or damage.

6. SPECIFICATIONS

Feature	Detail
Model	Dawn Patrol 32
Capacity	32 Liters
Size	Small/Medium
Materials	High-tenacity, ultralight Dynex (side panels, shoulder straps)
Access	Zippered back panel

Ski Carry	Tuck-away diagonal, A-frame
Snowboard Carry	Vertical
Tool Attachments	Ice tool pickpockets, hi-lo helmet holder
Hydration	Compatible with insulated sleeve

7. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official Black Diamond Equipment website or contact their customer service directly. Keep your proof of purchase for any warranty claims.

Black Diamond Equipment Official Website: www.blackdiamondequipment.com