

DV8 Offroad WB12SR

DV8 Offroad WB12SR 12,000lb Recovery Winch Instruction Manual

Model: WB12SR | Brand: DV8 Offroad

1. IMPORTANT SAFETY INFORMATION

Always read and understand the owner's manual before operating the winch. Failure to follow these instructions may result in serious injury or property damage.

- Wear safety glasses and gloves when operating the winch.
- Keep hands and clothing clear of the wire rope, hook, and fairlead during operation.
- Ensure the clutch is fully engaged before starting the winching process.
- Do not use the winch for lifting people or objects. This winch is a pulling device only.
- Do not attempt to lift or move a vehicle with the winch.
- Always ensure the vehicle is properly secured and stable before winching.
- Do not overload the winch. Refer to specifications for maximum line pull ratings.
- Regularly inspect the synthetic rope for damage and wear. Replace if necessary.

2. PACKAGE CONTENTS

The DV8 Offroad WB12SR Recovery Winch package includes the following components:

- DV8 Offroad WB12SR Winch Unit (Steel housed with internal metal spool and upper metal control box)
- 85" Synthetic Rope
- Hawse Fairlead
- Galvanized Steel Tow Hook
- Wired Remote Control (12.5 ft)
- Wireless Remote Control (70 ft range)
- All necessary installation and wiring hardware



Image: DV8 Offroad WB12SR Winch and its complete set of accessories, including synthetic rope, hawse fairlead, tow hook, and dual remotes.

3. SPECIFICATIONS

Brand	DV8 Offroad
Model	WB12SR
Line Pull Rating	12,000 lbs (max)
Motor	6.0 HP
Gear Ratio	256:1 (3-Stage Planetary Gears)
Rope Type	Synthetic Rope (85 inches)
Braking Mechanism	Dynamic Internal Braking
Control Box	Upper Metal Control Box
Mounting Pattern	Standard 4-bolt 10" x 4.5"
Item Weight	64 pounds

Product Dimensions

18 x 12 x 12 inches

Pull, Speed, Amperes, Volts (First Layer)

Line Pull(lbs./kgs)	Line Speed FPM(m/min)	Motor(Amps)
0	22.0ft(6.8m)	80
4000(1818)	11.5ft(3.5m)	170
6000(2722)	9.8ft(3.0m)	210
8000(3629)	8.2ft(2.5m)	250
10000(4545)	6.8ft(2.1m)	300
12000(5455)	5.6ft(1.7m)	360

Layer	Rated Line Pull(lbs./kgs)	Total Rope On Drum(ft/m)
1	12000(5455)	19.6(6.0)
2	9530(4332)	42.6(13.0)
3	7920(3600)	72.0(22.0)
4	6770(3077)	85.3(26.0)

Image: Performance table detailing line pull (lbs./kgs), line speed (FPM/m/min), and motor amperes at various load levels, along with total rope on drum per layer.

4. SETUP & INSTALLATION

Proper installation is crucial for safe and effective winch operation. If you are unsure about any steps, it is recommended to seek professional assistance.

- Mounting:** Securely mount the winch to a full-size bumper or winch mount using the standard 4-bolt 10" x 4.5" mounting pattern. Ensure all bolts are tightened to the manufacturer's specifications.
- Wiring:** Connect the winch to your vehicle's 12V DC power source according to the wiring diagram provided in the full manual. Ensure all connections are clean, tight, and properly insulated to prevent short circuits.
- Rope Spooling:** Carefully spool the synthetic rope onto the winch drum. Ensure the rope is wound tightly and evenly under a light load to prevent damage and ensure proper function.
- Fairlead and Hook:** Install the hawse fairlead and attach the galvanized steel tow hook to the end of the synthetic rope.



Image: The DV8 Offroad WB12SR winch securely mounted on the front bumper of an off-road vehicle, showcasing its integrated design.

5. OPERATING INSTRUCTIONS

Follow these general steps for safe and effective winch operation. Always refer to the complete manual for detailed procedures.

1. **Preparation:** Ensure the vehicle is stable and the area around the winch is clear of bystanders. Unspool enough rope to reach the anchor point.
2. **Engage Clutch:** Engage the clutch by moving the clutch lever to the "Engaged" position.
3. **Connect Remote:** Connect either the wired or wireless remote control.
4. **Winching:** Use the "IN" button on the remote to begin retracting the rope and pulling the load. Use short, controlled pulls. Monitor the winch and rope for any signs of stress or damage.
5. **Disengage Clutch:** Once the winching operation is complete, disengage the clutch by moving the lever to the "Free Spool" position.
6. **Respool Rope:** Carefully respool the rope onto the drum, ensuring it is tight and even. Use a light load to maintain tension.



Image: A close-up view of the synthetic rope neatly spooled on the drum of the DV8 Offroad winch, highlighting its durable construction.

Operating with Wireless Remote

The wireless remote provides convenience and safety by allowing operation from a distance.

- Ensure the wireless remote is powered on and paired with the winch.
- Press the "IN" button to retract the rope and the "OUT" button to extend it.
- Maintain a safe distance from the winch and rope during operation.

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Video: This video demonstrates the operation of a similar electric winch, showing the synthetic rope being spooled in and out, and the use of a wireless remote control for vehicle recovery in challenging terrain.

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Video: This video showcases an off-road vehicle using a winch for recovery in various terrains, including mud and steep inclines, demonstrating the winch's pulling power and durability.

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Video: This video illustrates a winch being used for vehicle recovery in snowy conditions, highlighting its effectiveness in adverse weather and challenging environments.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable performance of your DV8 Offroad winch.

- **Rope Inspection:** Periodically inspect the synthetic rope for frays, cuts, or other damage. Replace the rope if any significant damage is found.
- **Electrical Connections:** Check all electrical connections for corrosion, looseness, or damage. Clean and tighten as necessary.
- **Lubrication:** Consult the full manual for recommended lubrication points and schedules for the winch gears and motor.
- **Cleaning:** Keep the winch unit clean from mud, dirt, and debris. Use a mild detergent and water, then rinse thoroughly.

7. TROUBLESHOOTING

If you encounter issues with your winch, refer to the following common troubleshooting tips. For more complex problems, consult the full manual or contact DV8 Offroad support.

- **Winch Not Operating:**
 - Check all electrical connections for tightness and corrosion.
 - Ensure the vehicle battery has sufficient charge.
 - Verify the remote control is functioning and properly connected/paired.
 - Check for any tripped circuit breakers or blown fuses.
- **Rope Not Spooling Evenly:**
 - Ensure the rope is under a light load when respooling.
 - Manually guide the rope if necessary to ensure even layering.
- **Winch Overheating:**
 - Allow the winch to cool down between heavy pulls.
 - Reduce the load if possible or use a snatch block to reduce strain.

8. WARRANTY & SUPPORT

For specific warranty details and terms, please refer to the warranty card included with your product packaging or visit the official DV8 Offroad website.

If you require technical assistance, replacement parts, or have any questions regarding your DV8 Offroad WB12SR Recovery Winch, please contact DV8 Offroad customer support through their official channels.

9. PRODUCT OVERVIEW

The DV8 Offroad WB12SR Recovery Winch is engineered for robust performance and reliability in demanding off-road conditions. Its steel-housed design, powerful 6.0HP motor, and 3-stage planetary gears provide a maximum 12,000lb line pull rating. The winch features a dynamic internal braking mechanism for safety and comes trail-ready with 85" of synthetic rope, a hawse fairlead, galvanized steel tow hook, and dual remotes (wired and wireless).

