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Bronco AC-12001G

Bronco AC-12001G Motor Cable Instruction Manual

For Bronco 2500/3000lb. Winches

PRODUCT OVERVIEW

The Bronco AC-12001G Motor Cable is a critical component designed to provide reliable electrical connection between the motor and the solenoid/contacter assembly of Bronco 2500lb and 3000lb winches. This 4-foot cable features distinct red (positive) and black (negative) wires, each terminated with ring terminals for secure and efficient power transmission. It ensures the proper functioning of your winch system by delivering consistent power to the motor.



Image: The Bronco AC-12001G Motor Cable, featuring a red and a black wire, each approximately 4 feet long, bundled together. Both wires are terminated with ring terminals for secure electrical connections.

SETUP AND INSTALLATION

This section provides general guidelines for installing the Bronco AC-12001G Motor Cable. Always refer to your specific winch's installation manual for detailed instructions and safety precautions. Incorrect installation can lead to damage or injury.

1. **Safety First:** Before beginning any electrical work, ensure the vehicle's battery is disconnected to prevent accidental shorts or electrical hazards.
2. **Identify Connections:** The motor cable consists of a red (positive) and a black (negative) wire. These wires are designed to connect the winch motor to the winch solenoid or contactor assembly.
3. **Connect to Winch Motor:** Attach the ring terminals of the motor cable to the corresponding terminals on the winch motor. Ensure the **red** wire connects to the **positive (+)** terminal and the **black** wire to the **negative (-)**

terminal. Tighten all connections securely to prevent arcing and ensure good conductivity.

4. **Connect to Solenoid/Contactor:** Route the other ends of the motor cable to the winch solenoid or contactor. Connect the **red** wire to the designated positive output terminal and the **black** wire to the negative output terminal. Verify that these connections are also tight and secure.
5. **Secure Cabling:** Use appropriate cable ties or clamps to secure the motor cable along its path. This prevents the cable from chafing, getting pinched, or interfering with moving parts, which could lead to damage or failure.
6. **Reconnect Power:** Once all connections are securely made and inspected for correctness, reconnect the vehicle's battery.

OPERATION

The AC-12001G motor cable serves as an essential electrical conduit for your winch system. Its proper installation ensures the winch receives the necessary power for operation. The actual operation of the winch itself is governed by its control system and motor. For detailed operating procedures, safety guidelines, and information on load limits, always refer to your specific winch's instruction manual.

MAINTENANCE

Regular maintenance of your motor cable helps ensure the longevity and reliable performance of your winch system.

- **Regular Inspection:** Periodically inspect the entire length of the motor cable for any signs of wear, fraying, cuts, cracks in the insulation, or other damage.
- **Connection Integrity:** Check all electrical connections at both the motor and solenoid/contacter ends for tightness and signs of corrosion. Loose or corroded connections can increase resistance, leading to poor performance, heat buildup, or complete failure. Clean any corrosion with a wire brush and apply dielectric grease if necessary.
- **Cleanliness:** Keep the cable and its connections clean and free from dirt, mud, water, and debris, which can degrade insulation or cause corrosion.
- **Protection:** Ensure the cable is not exposed to sharp edges, excessive heat sources, or harsh chemicals that could compromise its insulation or structural integrity.

TROUBLESHOOTING

If your winch is not functioning correctly after installing or using the motor cable, consider the following troubleshooting steps:

- **No Power to Winch:**
 - Verify all cable connections are secure and correctly wired (red to positive, black to negative).
 - Check the vehicle's battery charge and ensure main power connections to the winch solenoid are intact.
 - Inspect the winch's main circuit breaker or fuse.
- **Intermittent Operation:**
 - Inspect for loose connections at either end of the motor cable or damaged sections of the cable that might be causing intermittent contact.
 - Ensure the winch remote control is functioning correctly.
- **Overheating Cables:**
 - While the AC-12001G is designed for 2500/3000lb winches, excessive load or prolonged use can still

generate heat. Ensure the winch is not being overloaded.

- Check for shorts or excessive resistance in the circuit, which can cause cables to heat up.

SPECIFICATIONS

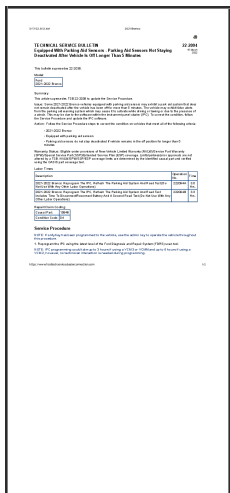
Feature	Detail
Model	Bronco AC-12001G
Compatibility	Bronco 2500/3000lb. Winches
Cable Length	4 feet (approximately 1.2 meters)
Wire Colors	Red (Positive), Black (Negative)
Terminals	Ring Terminals
Item Weight	6.4 ounces (approximately 181 grams)
Product Dimensions (Packaged)	7.3 x 2 x 1.5 inches
Manufacturer Part Number	AC-12001G
Date First Available	March 15, 2019

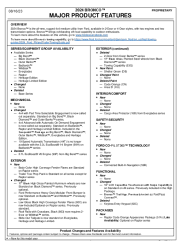
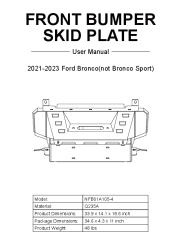

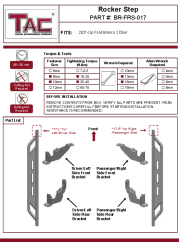

WARRANTY AND SUPPORT

For warranty information or technical support regarding your Bronco AC-12001G Motor Cable, please contact Bronco customer service directly. Refer to the original product packaging or the Bronco official website for the most current contact details and warranty terms.

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Related Documents - AC-12001G

	<p>Ford Bronco Off-Road Winch Installation Guide and Service Bulletin</p> <p>Detailed installation instructions for the Ford Performance Bronco Off-Road Winch Kit (M-1821-B) for 2021 models, plus a technical service bulletin (TSB 22-2094) addressing parking aid sensor issues on 2021-2022 Ford Broncos.</p>
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	<p>2024 Ford Bronco: Major Product Features and Equipment Guide</p> <p>Explore the comprehensive features, equipment groups, and options for the 2024 Ford Bronco. This guide details mechanical, exterior, interior, safety, and technology enhancements across various trims, including Big Bend, Black Diamond, Outer Banks, Badlands, Wildtrak, Everglades, Raptor, Heritage Edition, and Heritage Limited Edition.</p>
	<p>Rough Country Front Bumper Skid Plate Installation Manual for 2021-2023 Ford Bronco</p> <p>Detailed installation guide for the Rough Country NFB01A105-4 Front Bumper Skid Plate with Winch Tray, compatible with 2021-2023 Ford Bronco models. Covers installation for plastic, steel, and V6 models.</p>
	<p>2024 Ford Bronco Equipment Installation Guide</p> <p>Comprehensive guide for installing equipment on the 2024 Ford Bronco, detailing model specifications, dimensional data, electrical systems, mounting points, and safety considerations.</p>
	<p>TAC Rocker Step Installation Guide for 2021-Up Ford Bronco 2 Door</p> <p>Detailed installation instructions for the TAC Rocker Step (Part #: BR-FRS-017) designed for the 2021 and newer Ford Bronco 2 Door models. Includes parts list, tools required, and step-by-step assembly guidance.</p>
	<p>AC 120v Manual PWC Integrated Winch Box Lake Lifter Operating Instructions & Warranty</p> <p>Comprehensive operating instructions, safety guidelines, and limited warranty information for the Lake Lifter AC 120v Manual PWC Integrated Winch Box. Learn how to safely install and operate your boat lift motor.</p>