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› Ranch Hand Summit Series Front HD Bumper with Full Grille Guard Instruction Manual

Ranch Hand FSD101BL1S

Ranch Hand Summit Series Front HD Bumper with Full Grille Guard Instruction Manual

Model: FSD101BL1S

Brand: Ranch Hand

1. PRODUCT OVERVIEW

The Ranch Hand Summit Series Full Width Tough Black Front HD Bumper with Full Grille Guard (Model FSD101BL1S) is an aftermarket automotive accessory designed to replace your truck's factory bumper. Constructed from diamond plate steel, this one-piece bumper provides robust protection. It is engineered for direct replacement, eliminating the need for drilling during installation.



Figure 1.1: Front view of the Ranch Hand Summit Series Bumper with integrated grille guard. This image displays the full width design and the diamond plate steel construction.

2. SAFETY INFORMATION

Read all instructions thoroughly before beginning installation. Failure to follow instructions may result in injury or damage to the product or vehicle.

- Always wear appropriate personal protective equipment (PPE), including safety glasses and gloves, during installation.
- Ensure the vehicle is securely supported on a level surface using jack stands before working underneath it.
- This product is heavy (approximately 208 pounds). Professional installation is highly recommended. If installing yourself, ensure adequate assistance and proper lifting equipment are available to prevent injury.
- Do not modify the bumper or its mounting hardware. Any modifications may compromise the product's integrity and void the warranty.
- Keep all fasteners tight. Periodically check and re-tighten all bolts and nuts, especially after the first few hundred miles of driving.

3. WHAT'S IN THE BOX

The package for the Ranch Hand Summit Series Bumper typically includes the following components:

- Ranch Hand Summit Series Front HD Bumper with Full Grille Guard (Model FSD101BL1S)

- Necessary mounting hardware (bolts, nuts, washers, brackets)
- Installation instructions (this manual)

Note: Specific contents may vary slightly. Inspect all components upon receipt for any damage or missing parts before beginning installation.

4. SETUP AND INSTALLATION

This bumper is designed for direct replacement of your vehicle's existing front bumper. No drilling is required for installation.

4.1. Tools Required

- Socket Wrench Set
- Open-End Wrench Set
- Torque Wrench
- Vehicle Jack and Jack Stands
- Pry Bar (optional, for removing old bumper)
- Assistance for lifting (highly recommended)

4.2. Installation Steps

1. **Prepare Vehicle:** Park the vehicle on a level surface and engage the parking brake. Disconnect the negative terminal of the vehicle's battery.
2. **Remove Factory Bumper:** Carefully unbolt and remove the existing factory front bumper. Disconnect any fog lights, sensors, or wiring harnesses attached to the factory bumper. Retain any factory hardware that may be reused, as specified in your vehicle's service manual.
3. **Prepare New Bumper:** If applicable, transfer any necessary components (e.g., fog lights, wiring) from the old bumper to the new Ranch Hand bumper according to the specific instructions provided with your vehicle's accessory kit.
4. **Position New Bumper:** With assistance, carefully lift the Ranch Hand bumper and align it with the vehicle's frame mounting points.
5. **Secure Bumper:** Install the provided mounting hardware (bolts, washers, nuts) to secure the bumper to the frame. Hand-tighten all fasteners initially to allow for minor adjustments.
6. **Align and Torque:** Once the bumper is properly aligned, progressively tighten all mounting bolts to the torque specifications provided in the bumper's specific installation guide (if separate) or your vehicle's service manual. Ensure even tightening to prevent stress points.
7. **Reconnect Components:** Reconnect any fog lights, sensors, or wiring harnesses that were disconnected.
8. **Final Check:** Verify that the bumper is securely mounted and all connections are firm. Reconnect the vehicle's battery.



Figure 4.1: Side view of the Ranch Hand Summit Series Bumper, illustrating the robust construction and potential mounting areas. Professional installation is recommended due to the weight and complexity.

5. OPERATING CONSIDERATIONS

Once installed, the Ranch Hand Summit Series Bumper functions as a protective barrier for the front of your vehicle. Its primary purpose is to provide enhanced defense against impacts and obstacles.

- **Vehicle Handling:** Due to the added weight (approximately 208 pounds), there may be a slight change in vehicle handling characteristics, particularly in the front suspension. This is normal.
- **Sensor Functionality:** If your vehicle is equipped with front parking sensors or adaptive cruise control sensors, ensure they are properly re-calibrated or re-positioned after bumper installation, if necessary, to maintain their functionality. Consult your vehicle's owner's manual or a qualified technician.
- **Lighting:** Ensure any integrated or transferred lighting (e.g., fog lights) functions correctly after installation.

6. MAINTENANCE

Regular maintenance will help preserve the appearance and integrity of your Ranch Hand bumper.

- **Cleaning:** Clean the bumper regularly with mild soap and water to remove dirt, road grime, and salt. Avoid abrasive cleaners or harsh chemicals that could damage the powder coat finish.
- **Inspection:** Periodically inspect the bumper for any signs of damage, such as dents, scratches, or rust. Address any minor damage promptly to prevent further deterioration.
- **Fastener Check:** Regularly check all mounting bolts and nuts for tightness. Vibrations from driving can cause fasteners to loosen over time. Re-tighten as necessary to the specified torque.
- **Corrosion Protection:** While the bumper has a powder coat finish, minor scratches or chips can expose the underlying steel to corrosion. Touch up any exposed areas with appropriate rust-inhibiting paint.

7. TROUBLESHOOTING

This section addresses common issues that may arise during or after installation.

Problem	Possible Cause	Solution
Bumper does not align correctly.	Mounting bolts are too tight, preventing adjustment. Incorrect positioning during initial installation.	Loosen all mounting bolts slightly. Re-position the bumper until alignment is satisfactory, then re-tighten bolts evenly. Ensure the correct bumper model for your vehicle.
Bumper feels loose or rattles.	Mounting hardware is not sufficiently tightened.	Check and re-tighten all mounting bolts and nuts to the specified torque. Inspect for any missing washers or spacers.
New noises from the front of the vehicle.	Loose hardware. Contact between bumper and vehicle components.	Inspect all mounting points for tightness. Check for any areas where the bumper might be rubbing against the vehicle's body or frame. Adjust as needed.

If you encounter issues not listed here or require further assistance, contact Ranch Hand customer support.

8. SPECIFICATIONS

Key specifications for the Ranch Hand Summit Series Front HD Bumper with Full Grille Guard (Model FSD101BL1S):

- **Product Type:** Auto Accessory
- **Brand:** Ranch Hand
- **Model:** FSD101BL1S
- **Auto Part Position:** Front
- **Material:** Alloy Steel (Diamond Plate Steel construction)
- **Color:** Black (Powder Coat finish)
- **Item Weight:** Approximately 208 pounds (94.347 kg)
- **Product Dimensions:** 37"D x 86"W x 36"H (approximate)
- **Vehicle Service Type:** Trucks
- **Country of Origin:** United States
- **UPC:** 848917005561
- **ASIN:** B07656YZLX

9. WARRANTY AND SUPPORT

For specific warranty information regarding your Ranch Hand Summit Series Bumper, please refer to the documentation included with your purchase or visit the official Ranch Hand website. Warranty terms typically cover manufacturing defects.

For technical support, installation assistance, or warranty claims, please contact Ranch Hand customer service directly. You can find their contact information on their official website or through your product retailer.

Official Brand Website: www.ranchhand.com

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question