

Ranch Hand FSD13HBL1

Ranch Hand 13-13 Dodge Ram 1500 Summit Front Bumper: Installation and User Manual

Model: FSD13HBL1

1. INTRODUCTION

This manual provides comprehensive instructions for the proper installation, safe operation, and routine maintenance of the Ranch Hand Summit Front Bumper, Model FSD13HBL1. This bumper is designed for specific Dodge Ram 1500 models, offering enhanced front-end protection and a robust aesthetic. Please read this manual thoroughly before beginning installation or use to ensure safety and optimal performance.

Compatibility: This bumper is compatible with 2013-2018 Ram 1500 and 2019-2024 Ram 1500 Classic vehicles.

2. SAFETY INFORMATION

Always prioritize safety during installation and use. Failure to follow these guidelines may result in injury, property damage, or product malfunction.

- **Professional Installation Recommended:** Due to the weight and complexity of this product, professional installation by a qualified technician is strongly recommended.
- **Heavy Component:** The bumper weighs approximately 208 pounds. Always use appropriate lifting equipment and ensure sufficient personnel are available to handle the bumper safely during installation.
- **Eye Protection:** Wear safety glasses or goggles to protect your eyes from debris during installation.
- **Hand Protection:** Wear heavy-duty gloves to protect your hands from sharp edges and pinch points.
- **Vehicle Support:** Ensure the vehicle is securely parked on a level surface with the parking brake engaged. If lifting the vehicle, use appropriate jack stands.
- **Electrical Disconnection:** Disconnect the vehicle's battery before performing any electrical work, such as connecting auxiliary lights.
- **Check Fasteners:** Regularly inspect all mounting bolts and fasteners to ensure they remain tight. Loose fasteners can lead to product failure and potential hazards.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm. Wash hands after handling.

3. PACKAGE CONTENTS

Verify that all components are present and undamaged before beginning installation. If any parts are missing or damaged, contact Ranch Hand customer support.

- Ranch Hand Summit Front Bumper (Model FSD13HBL1)
- Mounting Hardware Kit (bolts, nuts, washers - specific contents may vary)
- Installation Instructions (refer to this manual)

Note: Additional tools required for installation are not included.

4. SETUP AND INSTALLATION

This section outlines the general steps for installing the Ranch Hand Summit Front Bumper. Specific vehicle models may require slight variations. Refer to your vehicle's service manual for detailed instructions on removing the factory bumper.

4.1. Tools and Materials Required (Not Included)

- Socket Wrench Set
- Open-End Wrench Set
- Torque Wrench
- Cutting Tools (if modifications are needed for specific vehicle trims)
- Lifting Equipment (e.g., floor jack, engine hoist, or multiple assistants)
- Safety Glasses and Gloves

4.2. Pre-Installation Steps

1. Park the vehicle on a level surface and engage the parking brake.
2. Disconnect the negative terminal of the vehicle's battery.
3. Remove the factory front bumper according to your vehicle's service manual. This typically involves disconnecting fog lights, sensors, and unbolting the bumper from the frame.
4. Clean the frame mounting points to ensure a secure fit.

4.3. Bumper Installation

1. Carefully position the Ranch Hand Summit Front Bumper onto the vehicle's frame mounting points. This step requires significant care due to the bumper's weight. Use lifting equipment or multiple assistants.
2. Align the bumper with the frame and loosely install the provided mounting hardware. Do not fully tighten bolts at this stage.
3. Adjust the bumper for proper alignment with the vehicle's body lines. Ensure there is adequate clearance around all components.
4. Once aligned, progressively tighten all mounting bolts to the manufacturer's specified torque settings. Refer to the hardware kit instructions or consult a professional.
5. If applicable, reconnect any fog lights or sensors that were removed from the factory bumper and integrate them into the new bumper's provisions.
6. Reconnect the vehicle's battery.
7. Perform a final inspection to ensure all bolts are tight and the bumper is securely mounted.



Figure 1: Ranch Hand Summit Front Bumper (Model FSD13HBL1) installed on a white Dodge Ram 1500. This image illustrates the bumper's appearance and fit on the vehicle.

5. OPERATION

The Ranch Hand Summit Front Bumper is designed to provide enhanced front-end protection for your vehicle. Once properly installed, it functions as a robust barrier against impacts and debris.

- **Protection:** The heavy-duty alloy steel construction offers superior protection to the vehicle's front end, including the grille, headlights, and radiator.
- **Accessory Integration:** This bumper is designed to accommodate a WARN VR12000 winch or similar models, and features recessed light ports for auxiliary lighting. Refer to the specific accessory's instructions for installation and operation.
- **Driving Considerations:** Be aware of the increased front-end length and weight of your vehicle after bumper installation, especially when parking, maneuvering in tight spaces, or off-roading.

6. MAINTENANCE

Regular maintenance will ensure the longevity and continued performance of your Ranch Hand Summit Front Bumper.

- **Cleaning:** Wash the bumper regularly with mild soap and water to remove dirt, salt, and other corrosive materials. Avoid abrasive cleaners or harsh chemicals that could damage the satin black powder-coat finish.
- **Inspection:** Periodically inspect the bumper for any signs of damage, such as dents, scratches, or rust. Address any damage promptly to prevent further deterioration.
- **Fastener Check:** Every 3-6 months, or after severe off-road use, re-check all mounting bolts and fasteners for tightness. Re-torque to specifications if necessary.
- **Finish Care:** The bumper features a premium 5-stage satin black powder-coat finish. Minor scratches can often be touched up with appropriate paint designed for powder-coated surfaces.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your bumper.

- **Loose Bumper:** If the bumper feels loose or rattles, immediately check and re-torque all mounting bolts. Do not operate the vehicle with a loose bumper.
- **Minor Scratches/Chips:** Small cosmetic damage can be repaired using touch-up paint matching the satin black powder-coat finish. Clean the area thoroughly before application.
- **Accessory Malfunction:** If integrated accessories (e.g., lights, winch) are not functioning, refer to their respective instruction manuals and check electrical connections.
- **Severe Damage:** In case of significant impact or structural damage to the bumper, it is recommended to have it inspected by a qualified professional to determine if repair or replacement is necessary.

8. SPECIFICATIONS

Brand	Ranch Hand
Model	FSD13HBL1
Auto Part Position	Front
Material	Alloy Steel
Color	Black
Item Weight	208 Pounds
Vehicle Service Type	2013-2018 Ram 1500, 2019-2024 Ram 1500 Classic
Exterior Finish	Machined (with Satin Black Powder-Coat)
Product Dimensions (D x W x H)	37"D x 86"W x 36"H
UPC	848917003284

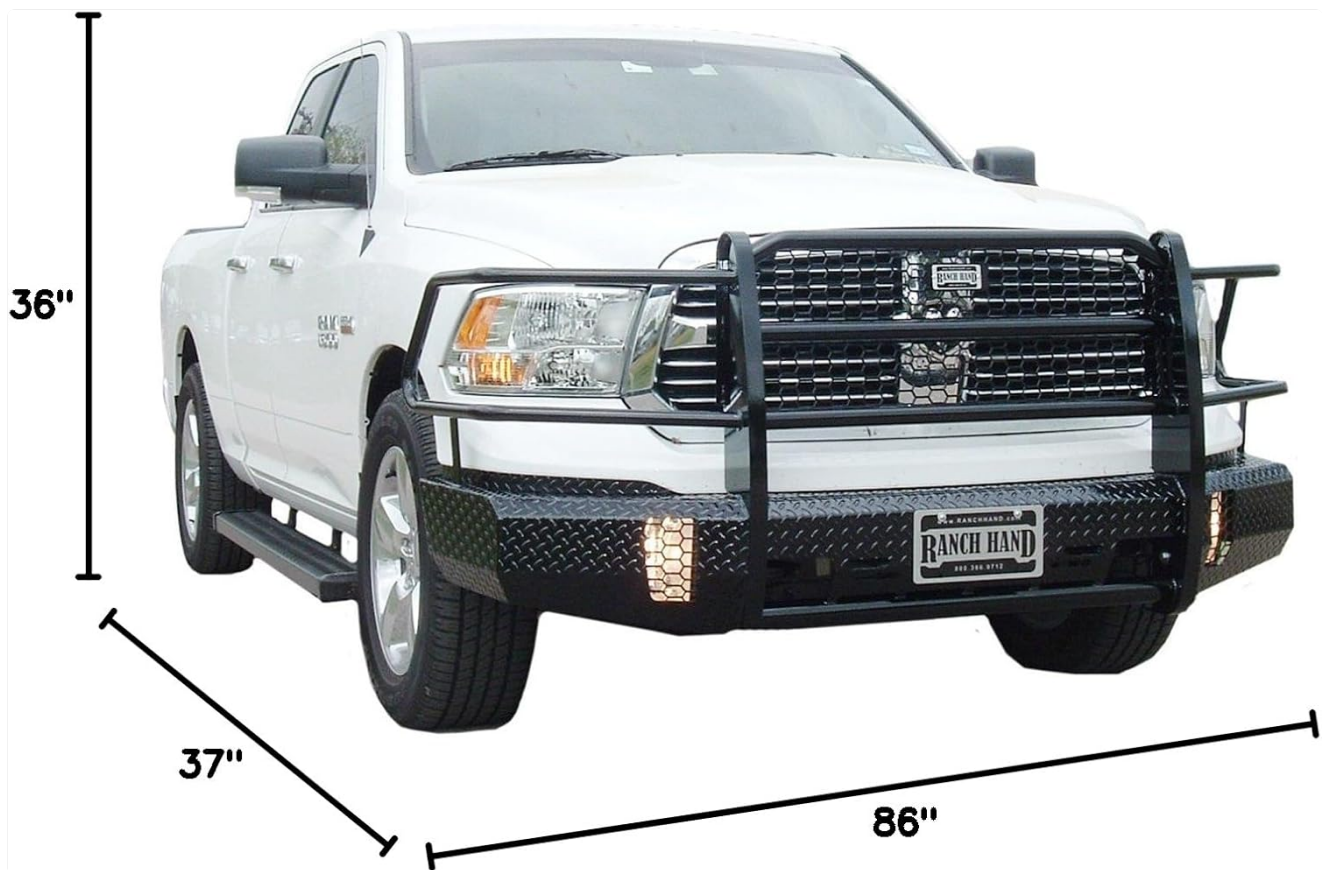


Figure 2: Dimensional overview of the Ranch Hand Summit Front Bumper, showing approximate depth (37"), width (86"), and height (36").

9. WARRANTY AND SUPPORT

Ranch Hand products are known for their quality and durability. For specific warranty information regarding your Summit Front Bumper, please refer to the documentation included with your purchase or visit the official Ranch Hand website. For technical support, installation assistance, or to inquire about replacement parts, please contact Ranch Hand customer service directly.

Manufacturer: Ranch Hand

Website: www.ranchhand.com (This is a general link, verify with product documentation)