

INSTALLATION MANUAL

SBD251BLSL

Level of Difficulty

Moderate

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

Parts List

Qty	Description
1	Trailer plug bracket
1	Remote antenna bracket
1	Tow camera washer
2	LED license plate light
2	LED backup light, clear
6	Rubber grommet
4	Hex head bolt, 7/16" - 14 x 1-1/2", grade 5
8	Flat washer, 7/16"
4	Lock washer, 7/16"
4	Hex nut, 7/16"-14
8	Black button head bolt, 1/4" - 20 x 3/4"
8	Black kep nut, 1/4" - 20
1	Sport back bumper

Tools Required

Ratchet	Allen wrench, 5/32"
SAE socket set	Torque wrench
SAE wrenches	Flat screwdriver
Metric socket set	Cutting pliers
Metric wrenches	Extension (optional)

Torque Specifications

7/16" bolt gr5	50 ft-lbs.
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Use above torque setting unless otherwise noted

Product Registration and Warranty

Ranch Hand stands behind our products with industry-leading warranties. To get copies of the product warranties, register your purchase or provide feedback, visit: warranty.curtgroup.com/surveys

Product Photo



NOTICE

Visit www.ranchhand.com for a full-color copy of this instruction manual, as well as helpful videos, guides and much more!

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

Periodic inspection of your product should be performed to ensure all hardware and / or components remain secure.

To help prevent damage to the product or vehicle, refer to the specified torque specifications when securing hardware during the installation process.

Be sure to inspect and test fit the product before having it coated or painted. Ranch Hand will not be responsible for the cost of the coating if any problems with fit or finish are not noted and addressed beforehand.

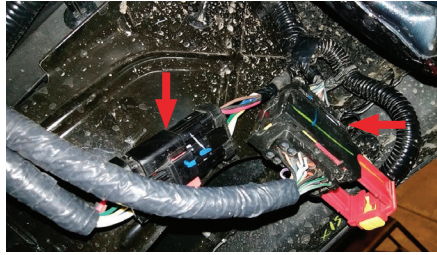
Fits 2019-up Ram 2500/3500 models.

Maintenance

Mild automotive detergent may be used to clean the product. Do not use dish detergent, abrasive cleaners, abrasive pads, wire brushes or other similar products that may damage the finish.

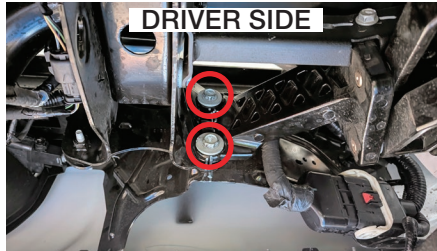
Step 1

On the driver side of the bumper, unplug the connectors for the sensors, trailer plug and license plate lights.



Step 2

Remove the two outside bolts that hold the factory bumper to the side bumper bracket.



Step 3

Remove the two 15mm nuts located behind the license plate.

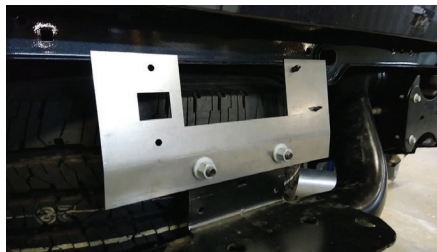


Step 4

Remove the factory bumper.

Step 5

Install the antenna module to the bracket supplied in the bolt package. Use the factory plastic clips to install. The bracket will then be mounted using the two 15mm nuts to the bracket on the factory receiver hitch.



Step 6

Install the license plate using the black 1/4" button head bolts and nuts.

Step 7

Install the license plate lights. Splice into the factory license plate light wires.

Step 8

If sensors are present, remove the knockouts and install the rubber grommets.

Step 9

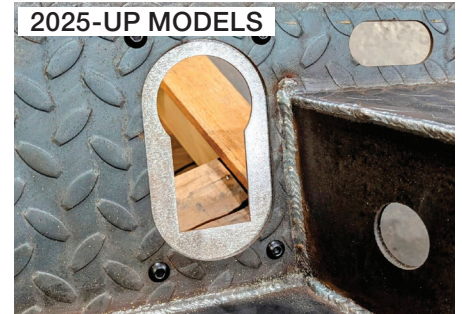
Mount the trailer plug bracket to the backside of the large, slotted hole to the right of the license plate area. Use the black 1/4" button head bolts and nuts.

2019-24 models:

The round part of the bracket will be to the bottom of the slot.

2025-up models:

The round part of the bracket will be to the top of the slot.



Step 10

Install the Ranch Hand bumper by using 7/16" bolts, washers, lock washers and nuts. Center bumper from side to side and finish tightening the bolts.

Step 11

Remove the sensor/license plate wiring harness from the factory bumper and install it to the Ranch Hand bumper. Install sensors into the rubber grommets. WD-40 may be used in the grommet to help with installation of the sensors. Splice into the license plate light wires to install license plate lights.

Step 12

Install the reverse lights. Splice into the trucks reverse light wires.

Step 13

For trucks that have the Digital Two Mode Camera Connector, remove the knockout located on the left side of the license plate. Use the square clip provided in the bolt package to secure in place.

