

INSTALLATION MANUAL

GGF25SBL1

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

Item	Qty	Description
1	1	Bolt pack, GGF092BP
2	1	Grille insert 2
3	1	DS Mounting bracket
4	1	PS Mounting bracket
5	1	DS Mounting bracket 2
6	1	PS Mounting bracket 2
7	1	License plate bracket
8	2	Sensor pigtail
9	2	Open/close bushing
10	4	Rubber grommet
11	2	Round tubing plug, 1"
12	6	Black Carriage Bolt, ½"-13 x 1 ½", grade 5
13	6	Black Hex Lock Nut, ½"-13
14	6	Black Flat Washer, ½"
15	14	Black Button Head Bolt, ¼"-20 x ¾"
16	14	Black Kep Nut, ¼"-20
17	1	Grill Guard

Tools Required

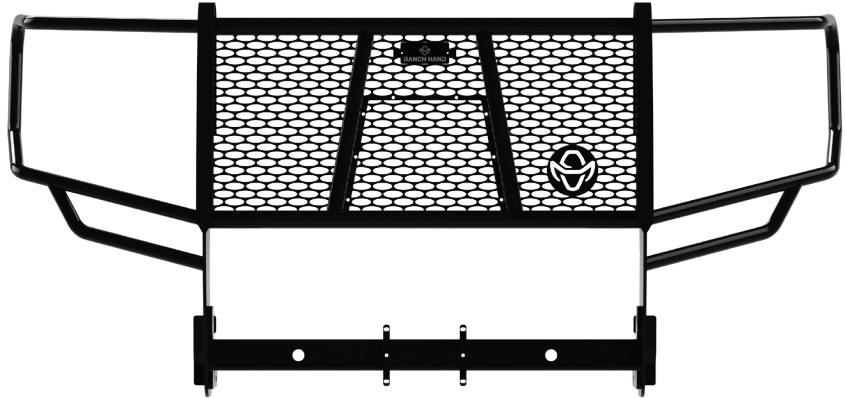
Ratchet	Torque wrench
Extension (optional)	SAE Socket Set
SAE Wrenches	Metric Socket Set
Metric Wrenches	Flat screwdriver
Tape measure	Allen wrench, 5/32"

Torque Specifications

1/2" bolt gr5	75 ft-lbs.
1/2" bolt gr8	110 ft-lbs.
M12 bolt	59 ft-lbs.

Use above torque setting unless otherwise noted

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.

Always disconnect the vehicle battery before removing sensors or disconnecting wiring harnesses. Ranch Hand is not responsible for sensor miscalibration or accidental deployment of airbags during installation.

Always mark the orientation of sensors prior to removal from the factory bumper. Many vehicle sensors are calibrated to a particular orientation, and reinstallation sideways or upside down will impact vehicle performance. A piece of masking tape, a grease pencil, or other mark to indicate the sensor's original orientation will help to ensure proper re-installation.

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 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.

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.

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

Step 1

Optional: If your vehicle is equipped with the motorized air dam, it makes it easier if you remove it. There will be (4) 7mm bolts on each side. It will be reinstalled after the grill guard is mounted.

Driver's side shown.



Step 2

On 4x2 models, remove the two plastic inserts located at the bottom of the bumper. The top part of the insert will need to be pushed through the bumper, and the bottom will have to be pulled out forwards. You may need to remove the (2) 7mm bolts near the inserts for easier removal. On 4x4 models, remove the tow hooks.



Step 3

On models with sensors, disconnect and remove the center two sensors from the bumper. Run the pigtail through the sensor opening and plug into the factory sensor connectors.

Step 4

On 4x2 models, slide the ½" nut tabs into the frame rails over the two holes.

On 4x4 models, reuse the factory nut tabs.



Step 5

Mount the bottom brackets to the bottom of the frame rails. For 4x2 models, use ½" x 2" bolts, lock washers and washers to install.

On 4x4 models, install the brackets along with the tow hooks. Set the brackets to the distance of 39 5/8".

Driver side shown.



Step 6

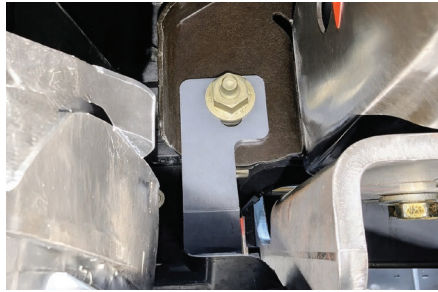
Remove the outer 21mm bumper nut.

Driver side shown.



Step 7

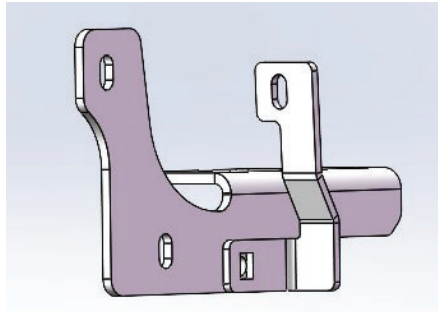
Mount the smaller mounting bracket over the bottom bolt and reinstall factory nut.



Step 8

Mount the other end of the bracket to the frame mounting bracket. Use a black ½" carriage bolt, washer and lock nut to install.

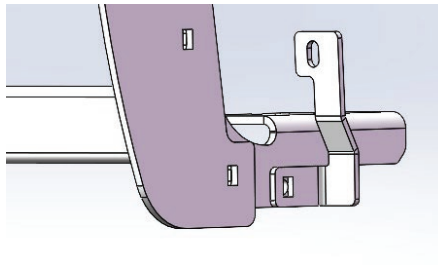
Driver side shown.



Step 9

Mount the grill guard to the outside of the bottom brackets with black Carriage bolts. Line up the grill guard from side to side then tighten the bottom bolts to the frame.

Driver side shown.



Step 10

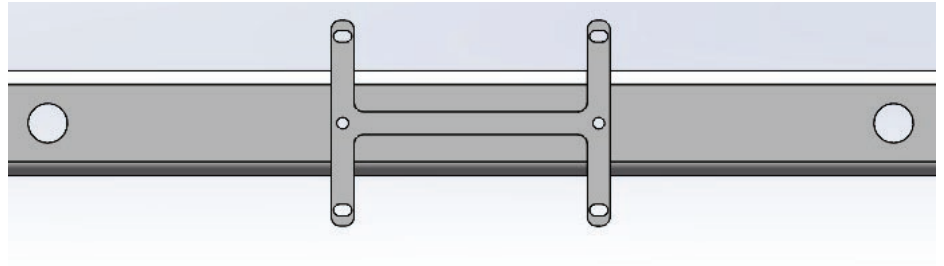
On non-sensor models, install the plastic plugs into the holes in the sensor bar. On sensor models, install the rubber grommets into the holes. Connect the pigtail to the sensors and install the sensor into the grommet.

Step 11

Install the open/close bushing around the pigtail and into the sensor hole in the bumper.

Step 12

Mount the license plate to the center of the sensor bracket. Use (2) black $\frac{1}{4}$ " bolts and nuts. Remove the license plate and install it to the license plate bracket with (4) black $\frac{1}{4}$ " bolts and nuts.



Step 13

If your model does not have a front camera, install the center insert. Use (8) black $\frac{1}{4}$ " Button head bolts and nuts.