

## CONTACT

### EMAIL:

info@ranchhand.com

### PHONE:

1.800.366.9712

### ADDRESS:

959 State Hwy 95 N  
Shiner, TX 77984



**RANCH HAND**  
PROTECT YOUR TRUCK

## MAINTENANCE/CARE

- Periodically check and tighten all fasteners.
- Stripped, fractured, or bent bolts or nuts need to be replaced.
- After washing of the vehicle make sure to fully dry all surfaces

## SENSOR DISCLAIMER

PLEASE NOTE PARKING SENSORS ARE EXTREMELY DELICATE AND MUST BE HANDLED WITH CARE!

Do NOT touch or shift the clear rubber grommet that surrounds the sensor face. DO NOT glue housing into place until orientation and functionality is determined.

## APPENDIX

### Troubleshooting Vehicle Sensors

- Start with a general inspection of the sensor fitment. Check that both the sensors and the sensor clips are fully secure and the sensors are properly centered in the housing.
- Confirm plastic housing is in the correct mounting holes. Misplaced sensor housings could compress sensor and give false readings or faults.
- Use a clean microfiber to wipe the front face of the sensor.
- Inspect connection. Be sure that the sensor is firmly seated into the harness.
- Run through several start cycles (i.e. fully turn the vehicle on and off).
- Finally, disconnect the battery to reset the sensors.

## WARNING

*If your vehicle has adaptive cruise, please ensure that your adaptive cruise is working correctly once the Ranch Hand bumper is installed. Adaptive cruise may need to be cleaned or adjusted to ensure it functions properly. See your owner's manual for care of the adaptive cruise.*

Special care should be exercised in the handling, storage and installation of Kaspar Ranch Hand equipment. The actual weight of each piece of equipment will vary depending on style and model. The weight of the equipment is sufficient in volume to warrant special care, assistance and in some instances, the use of mechanical equipment during the transfer and installation of the equipment. Do not assume a position directly under the equipment during installation. Be sure the equipment has been connected and stabilized during installation to prevent falling or shifting of positions. Periodically check tightness of bolts to make sure they are tight, and unlikely to fail.

## SAFETY

- In order to help you make informed decisions about safety, we have provided installation instructions and other information.
- These instructions alert you to potential injury hazards
- Please do a job safety analysis before each task to identify potential hazards for your situation and remove/protect against them.
- You must use your own good judgment.
- Read and understand all safety precautions and instructions before installing this product

## HAZARD

**FAILURE TO OBSERVE THESE INSTRUCTIONS COULD LEAD TO SEVERE INJURY OR DEATH.**

- Always remove jewelry and wear eye protection.
- Always use extreme caution when jacking up a vehicle for work. Set emergency brake and use tire blocks. Locate and use the vehicle manufacturers designated lifting points. Use jack stands.
- Always use appropriate and adequate care in lifting components into place.
- Always insure components will remain secure during installation and operation.
- Always wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause serious eye injury.
- Always use extreme caution when drilling on a vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged.
- Always use extreme caution when cutting and trimming during fitting.
- Always tighten all nuts and bolts securely per installation instructions.
- Always route electrical cables carefully. Avoid moving parts, components that become hot and rough or sharp edges.
- Always insulate and protect all exposed wiring and electrical terminals.
- Always perform regular inspections and maintenance on mounts and related hardware.



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# INSTALLATION INSTRUCTIONS

### DESCRIPTION

2017-Up Ford SD  
(F-250/F-350)

Legend Grille Guard

### PART #:

GGF17IBL1/GGF17IBLC/  
PBF17IBL1

# INSTALLATION INSTRUCTIONS:

1. From the back side, find the center of the air dam. Measure out 19 11/16" and 21 11/16" on each side and mark. Measure 1/2" and 1 1/2" from the top and mark. The openings should be approximately 1" tall x 2" wide.
2. Remove the two outside factory 18mm bumper bolts from each side.
3. Install the bottom mounting brackets. Remove the two factory 18mm nuts that are located on the outer side of the frame. Mount the bracket over the bolts and reinstall the two nuts. Line the top hole of the bracket over the top hole of the bumper. Then tighten the factory nuts.
4. Before installing the grille guard, put a 1/2" x 2 1/4" bolt and 1/2" washer through each hole of the grille guard mounting bracket. Then put another washer on the back side of the mounting bracket over the bolt. The washers will be used as spacers. Then mount the grille guard to the bumper.
5. Center the grille guard from side to side and make sure the grille guard is level. Tighten the four 1/2" bolts.
6. Make sure the holes of the bottom bracket are in line with the strap holes. You may have to bend the strap to make it fit.
7. Use 1/2" bolts to mount the straps of the grille guard to the bottom brackets.
8. Make sure all nuts and bolts are tight!!

## 2017-Up Ford SD (F-250/F-350) Legend Grille Guard GGF171BL1/GGF171BLC/PBF171BL1

### TOOLS REQUIRED

Metric and SAE sockets

### PARTS LIST

