

RANCH HAND

1-800-366-9712

INSTALLATION INSTRUCTIONS

2017-up FORD SD (F-250/F-350) GRILL GUARD

**PART # GGF171BL1(Non Camera) / GGF171BLC(Camera)
PBF171BL1(Push Bar)**

NOTE: You will need to cut openings in the air dam for the straps.

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 grill guard, put a 1/2" x 2 1/4" bolt and 1/2" washer through each hole of the grill 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 grill guard to the bumper.
5. Center the grill guard from side to side and make sure grill 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 grill guard to the bottom brackets.
8. **MAKE SURE ALL NUTS AND BOLTS ARE TIGHT!**

----- WARNING -----

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.

9/9/16