

## 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.

## CONTACT

### EMAIL:

[info@ranchhand.com](mailto:info@ranchhand.com)

### PHONE:

1.800.366.9712

### ADDRESS:

959 State Hwy 95 N  
Shiner, TX 77984



**RANCH HAND**  
PROTECT YOUR TRUCK



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# INSTALLATION INSTRUCTIONS

## DESCRIPTION

2014-2015 GMC Grill Guards

### PART #:

GGG14HBL1

## INSTALLATION INSTRUCTIONS:

1. Remove the plastic cover from around the tow hooks. You will have to cut off.
2. On trucks without tow hooks, you will need to cut an access hole to slide the mounting brackets into place. Starting on the passenger side, if tow hooks are present, remove the back tow hook bolt and remove the nut from the front bolt. Slide the front tow hook bolt out as far as you can. Take the Frame-bracket that has the welded angle iron on top and slide it against the frame. The angle iron will sit on top of the frame. Reinstall the tow hook bolts. If no tow hooks, use 1/2" x 1 1/2" bolts to install.
3. Slide the mounting bracket through the outer opening of the tow hook area. Use two 1/2" x 1 1/2" bolts to install. Before tightening, make sure the bracket is pushed in the up position. The bracket will touch the front tow hook bolt. (Note: On the front bolt you will NOT use a washer).
4. Remove the inner bolt (the one closest to the frame) of the bumper side support bracket. Mount the bottom formed bracket parallel to the frame then reinstall the factory bolt.
5. Install the bottom mounting bracket to the formed bracket by using two 1/2" x 1 1/2" bolts. Allow a little movement.
6. Remove the bottom bumper bolt and install the support bracket. Attach the other end to the bottom mounting bracket by using one 1/2" x 1 1/2" bolt.
7. Install the grill guard to the mounting brackets by using four black carriage bolts. Level and tighten bolts. Line up the hole of the bottom mounting bracket with the bottom hole in the grill guard. Install another black carriage bolt and tighten.
8. MAKE SURE ALL NUTS AND BOLTS ARE TIGHT!!

## PARTS LIST

Hex Head Bolt: 1/2" - 13 x 1 3/4" .....	QTY: 8
Hex Head Bolt: 1/2" - 13 x 2" .....	QTY: 8
Hex Head Bolt: 1/4" - 20 x 1" .....	QTY: 5
Flat Washer: 1/2" .....	QTY: 32
Lock Nut: 1/2" - 13 .....	QTY: 16
Keq Nut: 1/4" - 20 .....	QTY: 8
Hex Head Bolt: 1/4" - 20 x 1 1/2" .....	QTY: 3
Flat Washer: 1/4" .....	QTY: 4
Hex Head Bolt: 5/16" - 18 x 1" .....	QTY: 2
Flat Washer: 5/16" .....	QTY: 4
Lock Washer: 5/16" .....	QTY: 2
Hex Nut: 5/16" - 18 .....	QTY: 2
Poly Bag: 6" x 10" .....	QTY: 1
Poly Bag: 16" x 18" .....	QTY: 1
Unthreaded Spacer: 3/8" x 1/2" x .26" ID .....	QTY: 4
FSF15HACP: Adaptive Cruise Plastic .....	QTY: 1
BBF171ACBBL: Adaptive Cruise Bracket .....	QTY: 1
BBF171MPABL: Mounting Bracket .....	QTY: 2

## TOOLS REQUIRED

- Socket Wrench with Extension (Ratcheting wrenches may also be convenient)
- 7mm, 10mm, 15mm, 18mm, 19mm, 3/4 Sockets and Box End Wrenches
- Flat head screw drivers
- Floor jack, jack stands and/or a wood block
- 9/16 drill bit with drill

## 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.

