

## CONTACT

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**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

2007-Up 1500 Tahoe/  
Avalanche/Suburban Legend  
Grill Guard

### PART #:

GGC07HBL1/PBC07HBL1

## INSTALLATION INSTRUCTIONS:

1. Remove the tow hooks if present. Remove the plastic insert down in the tow hook area. There will be four clips, two on top and two on bottom.
2. There is a driver and passenger side mounting bracket. Slide bracket through the opening of the bumper and then against the frame.
3. If tow hooks are present, put them back in place. Use one of the short tow hook bolts and the 1/2" x 5" bolt to install the brackets and tow hooks.
4. If tow hooks are not present, use three 1/2" x 1 1/2" bolt to install mounting bracket. Do the same for the other side.
5. Push bracket up against the frame and tighten all bolts.
6. Mount the grill guard by using four carriage bolts, two on each side. Slide the uprights of the grill guard to the outside of the mounting bracket. Put the carriage bolt through the upright and then the mounting bracket.
7. Open the hood and remove the second 10mm factory grill bolt. Mount the top bracket in place and reinstall bolt. Do the same for the other side.
8. Use a 1/4" bolt to mount the bracket to the inner hole in the strap of the grill guard. (Note: you may have to raise or lower the grill guard to line up the holes. Also, you may have to lean the grill guard forward or backwards.)
9. Close the hood slowly to make sure brackets will not touch the hood.
10. Level the grill guard and then tighten nuts. Torque 1/2" bolts to 90ft. lbs.
11. Make sure all nuts and bolts are tight!!

## 2007-Up 1500 Tahoe/ Avalanche/Suburban Legend Grill Guard GGC07HBL1/PBC07HBL1

### TOOLS REQUIRED

Metric & SAE sockets  
Metric & SAE wrenches

