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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

2011-Up GMC 2500HD/3500HD

Grill Guard

PART #:

GGG111BL1

INSTALLATION INSTRUCTIONS:

1. Start with the driver side. Remove the two 18mm tow hook bolts and then remove the tow hook. It is easier to get to if you remove the bottom plastic side shields. They are held on by two 10mm nuts and two 10mm bolts.
2. Remove two (21mm) factory bumper nuts located just above the tow hook bolts. Pull the bolts out. (You will have to reverse the bolts on the passenger side).
3. Slide the 2" wide section of the mounting bracket through the tow hook opening. Put the bumper bolts through the top two hole of the bracket and reinstall the nuts. The bracket will mount to the outside of the frame.
4. Reinstall the tow hook and put the tow hook bolt through the bracket. Put two 1/2" washers between the frame and mounting bracket. When reinstalling the tow hook bolt, make sure it goes through the mounting bracket, 1/2" washer frame. (NOTE: if tow hooks are not present, use a 1/2" x 1 1/2" bolts to install. Remember to put the 1/2" washers between the frame and mounting bracket).
5. Center the bracket through the tow hook opening and then tighten all nuts and bolts.
6. Open the hood and remove the plastic radiator cover.
7. Remove the top 21mm bumper bolt. Do one side at a time. There is a driver and passenger side top bracket. Mount the long end of the top bracket, with the gusset facing out, over the hole and reinstall the bumper bolt. The bracket will sit at an angle. Do the same for the other side.
8. Mount the grill guard to the bottom brackets. Use the 1/2" carriage bolts to install. Level the grill guard and then tighten carriage bolts.
9. There is a driver and passenger top-mounting bracket. Mount the straight end of the bracket to the top bracket and the formed end, facing down, to the upright.
10. Tighten all the bolts and then reinstall the plastic radiator cover.
11. **MAKE SURE ALL THE NUTS AND BOLTS ARE TIGHT!!**

2011-Up GMC 2500HD/3500HD Grill Guard GGG111BL1

TOOLS REQUIRED

Metric and SAE sockets

PARTS LIST

Metric and SAE sockets

