

## 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

03-09 Dodge Ram 2500 &  
3500/06-09 Dodge Mega Cab  
1500/2500/3500  
Legend Grille Guard

### PART #:

GGD061BL1

## INSTALLATION INSTRUCTIONS:

### DIESEL ENGINE

1. Unhook fog light wires. Remove two 10mm bolts from turbo cooler. Remove rubber grommets. This is needed for the removal of the factory bumper bolts.
2. To remove factory bumper, remove nuts from factory bumper bolts. Raise one side of the turbo cooler to help get factory bolts out of the frame and bumper.
3. Remove the tow hooks. Place mounting brackets inside bumper using 7/16" bolts. Hand tighten. (Note: make sure you have at least 34 5/8" between the inside of mounting brackets.)
4. Replace bumper. Raising turbo cooler will help with the install of the factory bolts. Make sure bolts are facing out.
5. Use 3 to 4 flat washers for spacers over the factory bolts. Place bottom-mounting bracket over bumper bolts and reinstall factory nuts.
6. Mount grille guard by using eight, four on each side, 7/16" x 2" carriage bolts and flange nuts. Place bolts through the mounting bracket, upright and then the tow hook if present. (Note uprights go to the inside of the brackets.)
7. Make sure hood is able to open and close and then tighten carriage bolts.
8. Center from left to right and then tighten mounting bracket bolts.
9. Use 1/2" bolts to mount bottom bracket to upright strap.
10. Hook up fog light wires.

### GAS ENGINE

1. Remove plastic cover in the front bumper if present. (Note: it is easier to remove the 4 push clips with a Philips screwdriver from the backside of the bumper.)
2. Slide mounting bracket through opening of the bumper from the backside of the bumper. Use 7/16" bolts for mounting. Hand tighten. You need at least 34 5/8" between the inside of mounting brackets.
3. Mount bottom brackets by removing factory nuts that hold bumper to frame. Use 3 to 4 flat washers for spacers. Hand tighten.
4. Mount grille guard by using eight, four on each side, 7/16" x 2" carriage bolts and flange nuts. Place bolts through the mounting bracket, upright and then the tow hook, if present. (Note: uprights go to the inside of the brackets.)
5. Make sure hood is able to open and close and then tighten carriage bolts.
6. Center from left to right and then tighten to upright strap.
7. Make sure all nuts and bolts are tight!!

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## TOOLS REQUIRED

Metric and SAE sockets  
Metric and SAE wrenches

## PARTS LIST

