



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.



RANCH HAND
PROTECT YOUR TRUCK

INSTALLATION INSTRUCTIONS

DESCRIPTION

2009-13 Dodge 1500
Legend Grille Guards

PART #:

GGD09HBL1/PBD09HBL1

INSTALLATION INSTRUCTIONS:

1. Remove the tow hooks if present. There will be three (18mm) bolts on each tow hook. They will be installed later.
2. Remove the plastic bumper insert. (Note: On the 09-12, the insert can be trimmed and reinstalled after the grille guard is installed. On the 2013, remove the plastic insert by removing four 10mm bolts.)
3. Note: It is optional but you can install the brackets by removing the air dam. It is held on by two (10mm) bolts and several white clips.
4. Remove the bottom two bumper (18mm) nuts, from each side. Remove the factory bolts. You will have to use a hammer to remove them.
5. On the passenger side frame, there is a tab that you will need to flatten.
6. Place two 7/16" bolts through the holes of the mounting bracket and slide into the lower frame holes. If you have tow hooks make sure you reinstall the factory angle bracket for the tow hooks.
7. Note: Before you tighten the bolts make sure the outside of the brackets measure about 40 3/16".
8. Remove the upper factory (18mm) nut. Also remove the nut and washers from the outside 7/16" bolt.
9. Add one 1/2" washer over the top bolt. Place the bottom bracket over the tow bolts and reinstall the nuts. Their bottom of the bracket should almost touch the air dam. (Note: on models without tow hooks, you will have to use a washer over the top and bottom bolt on the passenger side.)
10. Use a utility knife to cut an oval hole in the air dam directly below the bottom bracket. If you removed the air dam, cut off the outside slotted embossment and reinstall the air dam.
11. Mount the grille guard to the top brackets. Use the black carriage bolts to install.
12. Level the grille guard and tighten bolts.
13. Slide the other bottom bracket with the two holes through the opening of the air dam that you cut. Use two 1/2" bolts to install.
14. Mount the other end of the bracket to the bottom hole of the grille guard using a black carriage bolt.
15. Reinstall the tow hooks. Measure and trim the plastic bumper insert and reinstall.
16. Make sure all nuts and bolts are tight!!

2009-13 Dodge 1500 Legend Grille Guard

GGD09HBL1/PBD09HBL1

TOOLS REQUIRED

Metric and SAE sockets
Metric and SAE wrenches

PARTS LIST

