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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 Chevy/GMC
2500HD/3500HD Sport Back
Bumper

PART #:

SBC111BLSL

INSTALLATION INSTRUCTIONS:

1. If reverse sensors are present, remove the sensor from the factory bumper. Do not disconnect the sensor wires. Zip-tie the sensors to the frame to prevent damaging when installing the bumper.
2. Unplug license plate wiring harness from truck or unhook license plate lights and wiring harness from bumper.
3. If trailer plug is present, remove plug. Remove plug by twisting plug and pulling through the opening of the bumper. Unhook wires and remove.
4. Remove the two 21mm bolts that attaches the receiver hitch to the bottom of the bumper.
5. Remove one 15mm bolt from each side of the frame.
6. Remove two 18mm nuts from each side of the frame.
7. Remove one 21mm bolt (from each side) from the bottom of the frame. They will be replaced with 1/2" x 1 3/4" bolts, nut and washers.
8. Remove the factory bumper.
9. Set the trailer plug in the hole in the left corner of the back plate. From the backside, mark through the 1/4" holes onto the trailer plug for holes to be drilled. Drill two 7/32" holes. Use the two 3/16" bolts from the front side to install.
10. If reverse sensors are present. Remove the four plastic plugs from the skirts and install the rubber grommets.
11. Mount the Ranch Hand bumper to the frame. The mounting brackets will mount to the inside of the frame. Use two 1/2" x 1 1/2" bolt in the rear two holes. Use one 3/8" x 2" bolt in the front hole for each bracket.
12. Mount the receiver hitch to the bracket welded behind the back plate of the bumper. Use two 1/2" x 1" bolts.
13. Use two 1/2" x 1 1/2" bolts to replace the ones that was removed in #6 that attaches the receiver hitch to the frame.
14. To install the license plate lights, reuse the license plate harness. You will have to cut off the ends.
15. Install the license plate by using four 1/4" bolts.
16. Install the sensors into the rubber grommets. You may want to use a small amount of silicon to help secure the sensor in the grommet.

2011-Up Chevy/GMC 2500HD/3500HD Sport Back Bumper

SBC111BLSL

TOOLS REQUIRED

Metric and SAE sockets

PARTS LIST

