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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

2016-Up GMC 1500 Summit
Front Bumper

PART #:

FSG16HBL1/BSG16HBL1

INSTALLATION INSTRUCTIONS:

1. Open the hood and remove the plastic radiator cover. There will be (12) plastic clips.
2. Remove the (4) 10mm bolts holding the grille in place.
3. Remove the factory side brackets. There will be (3) 15mm bolts on each side.
4. Remove two 7mm screw from each fender well. You may have to unsnap the first two clips of the fender flare. Remove the painted plastic bumper.
5. Remove (4) 10mm bolts from the lower grille. Remove grille.
6. Unplug sensor and fog light wiring harness.
7. Remove the factory bumper by removing the two 18mm bolts from each side of the frame. They will be facing downward.
8. Reinstall the factory grille and plastic radiator cover.
9. Remove the two black bumpermounting plate by removing the (3) 15mm bolts. The bolts will be used to install the Ranch Hand Frontend.
10. Remove the tow hook bolts. Mount the support brackets to the outer side of the frame rails. Reinstall factory bolts.
11. If fog lights are present, mount them to the fog light brackets provided and then to teh frontend. Follow instructions in LBG16HBP to install.
12. Mount the frontend to the frame by reusing the 15mm factory bolts. Level the frontend and tighten bolts. Use the 1/2" bolts to mount the frontend to the support bracket.
13. Mount the license plate using 1/4" bolts.
14. Hook up the sensor and fog light wires. You will need to use teh provided wire, butt connectors and split loom for the outside sensors. Cut the wire and split loom in half and use half for each side. You can run them through the squire opening in the mounting brackets just below the top plate. Adjust the lights and sensors if needed.
15. Make sure all nuts and bolts are tight!!

2016-Up GMC 1500 Summit Front Bumper

FSG16HBL1/BSG16HBL1

TOOLS REQUIRED

Metric & SAE sockets
Metric & SAE wrenches

