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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

2004-2008 Ford F-150
Legend Grille Guard

PART #:

GGF06HBL1

INSTALLATION INSTRUCTIONS:

1. If tow hooks are not present, use the template to cut an opening in the air dam where the grille guard will be mounted.
2. Install the driver side-mounting bracket by removing one 21mm factory nut from behind the bumper. Repeat step for passenger side.
3. Place the 3/4" x 5 1/2" bolts, one on each side, through the mounting bracket and frame. Tighten the factory nuts and then tighten the 3/4" bolts.
4. Mount the grille guard by using 4 carriage bolts. Open the hood to check for clearance.
5. Level the grille guard and then tighten carriage bolts.
6. **NOTE FOR 2004 AND 2005 MODELS:** Remove and cut the factory honeycomb-bottom grille. (see drawing) Insert top mounting bracket through the bottom grille and reinstall grille.
7. Install top mounting bracket by placing a 1/2" carriage bolt through the mounting bracket and hole in factory bumper bracket. Use the 2" x 2" spacer on the backside of bumper bracket.
8. Place 1/2" carriage bolt through the hole (top hole for the 04-05 models and bottom hole for 2006 models) in the upright and mounting bracket. Torque 1/2" bolts to 90 foot pounds.
9. Make sure all nuts and bolts are tight!!

2004-2008 Ford F-150

Legend Grille Guard

GGF06HBL1

TOOLS REQUIRED

Metric and SAE sockets

PARTS LIST

