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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

2010-Up Dodge Ram 2500 &
3500 Legend Front Bumper

PART #:

FBD101BLR/BTD101BLR/
FSD101BL1/BSD101BL1/
FBD105BLR/BTD105BLR

INSTALLATION INSTRUCTIONS:

1. Unhook factory fog light wires if present.
2. Remove the plastic cover from the bottom of the bumper. It will have four push clips on the back of the cover and five push clips that you can remove through the front opening of the bumper.
3. Remove the bumper by removing four 18mm nuts located on the side of the frame. There are two on each side. (Note: for diesel motors, remove the top plastic grill cover. It will have four push clips. Remove two 13mm bolts from the turbo cooler and remove rubber bushing. From under the truck, remove the bolt assembly from the frame by pushing the turbo cooler up and away from the truck.)
4. There is a driver and passenger mounting plate. The mounting plate will mount to the outer side of the frame with the angle iron sitting on top of the frame. Use two 1/2" x 4" bolts to install.
5. Mount the front bumper replacement to the mounting plates using 1/2" x 4" bolts to install.
6. The factory inner fender will slide into the opening of the end cap.
7. Use the directions for LBD09HBP to install fog lights and brackets.
8. Remove the factory tow hooks from the factory bumper. Using the factory bolts, install the tow hooks to the tow hook brackets located in the bottom insert or below the formed channel.
9. Install the license plate to the bottom insert with four 1/4" bolts. On the winch frontends, install the license plate to the receiver hitch license plate bracket provided.
10. Make sure all nuts and bolts are tight!!

2010-Up Dodge Ram 2500 & 3500 Legend Front Bumper

**FBD101BLR/BTD101BLR/FSD101BL1/
BSD101BL1/FBD105BLR/BTD105BLR**

TOOLS REQUIRED

Metric & SAE sockets
Metric & SAE wrenches

