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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

2007-13/2014-Up Toyota
Tundra Summit Back Bumper

PART #:

SBT071BLL/SBT14HBLL

INSTALLATION INSTRUCTIONS:

2007-13/2014-Up Toyota Tundra Summit Back Bumper SBT071BLL/SBT14HBLL

TOOLS REQUIRED

Metric and SAE sockets

PARTS LIST

1. Unhook license plate lights.
2. (2014-Up models), remove trailer plug.
3. Remove license plate.
4. Remove one plastic clip from behind license plate.
5. Remove the side plastic pieces of the bumper. There will be four clips each.
6. Remove the center plastic part of the bumper. There will be six clips on each side and two in the center.
7. Remove ten 12mm bolts from the bumper. There will be six on top, two in the center and two at the bottom.
8. Remove the bumper.
9. (2014-up models), remove the two "L" shape brackets by removing four 12mm nuts.
10. Remove the bottom two 19mm bolts from each side.
11. Mount the license plate to the back plate with four 1/4" bolts and nuts.
12. Slide the brackets of the Ranch Hand bumper to the outside of the receiver hitch. Place a washer between the receiver hitch and the bumper mounting brackets. Reinstall the 19mm bolts. Hand tighten.
13. Use two of the 12mm bolts to bolt the back plate to the top of the receiver hitch.
14. Cut off the factory license plate light plug. Splice into the wires for the new license plate lights that are provided.
15. (2014-up models), reinstall the trailer plug. You will have to remove a couple of wiring harness clips to be able to plug the wiring harness in back of the trailer plug.
16. **MAKE SURE ALL NUTS AND BOLTS ARE TIGHT!!**

