

## CONTACT

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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

2009 Ford F-150 Summit Front  
Bumper

## PART #:

FSF09HBL1/BSF09HBL1

## INSTALLATION INSTRUCTIONS:

1. Unhook the fog light wires.
2. Unhook the rubber flap from under the bumper. There will be 3 push clips.
3. Raise the hood. About 18" apart, there will be two 10mm bolts that hold the hood release bracket to the factory bumper. (Note: You cannot see them from the top.)
4. Remove the bumper by removing the four 21mm nuts. Two on each side.
5. Remove the fog lights from the factory bumper, if present, and mount them into the fog light brackets provided in the bolt package LBF11HBP.
6. On 4x4s, remove the tow hooks. Leave the nut bracket in the frame. Mount the Summit bumper and the tow hooks to the bottom of the frame. Center from side to side and then tighten bolts.
7. On 4x2s, slide the nut tabs that are provided into the frame. Mount the Summit bumper and the tow hooks to the bottom of the frame. Center from side to side and then tighten bolts.
8. There is a driver and passenger side mounting bracket. From the center, slide the bracket into place. Use the 1/2" bolt provided to install.
9. Slide the bracket up against the top plate. The mounting bracket will mount to the inside of the uprights.
10. Use the 1/2" bolts provided to install. Push the top of the Summit towards the truck until the loops line up with the headlights and tighten bolts.
11. In the rectangle hole next to the hood release bracket, place the 7/16" washer and a 3/8" bolt through the hole facing down. Place the hood release bracket, provided, on top of the top plate over the slotted hole. Use a 3/8" bolt to install the bracket. Attach the other end of the bracket to the 3/8" bolt that was placed in the rectangular hole and tighten.
12. Mount the license plate to the two slotted holes in the center of the Summit with two 1/4" bolts.
13. Make sure all nuts and bolts are tight!!

## 2009 Ford F-150 Summit Front Bumper FSF09HBL1/BSF09HBL1

### TOOLS REQUIRED

Metric & SAE sockets  
Metric & SAE wrenches

