



## RANCH HAND INSTALLATION INSTRUCTIONS

### 2008 - up FORD SD with REVERSE SENSORS HOLES PART # BBF080BLSL

1. If a receiver hitch is present, remove the back two bolts. Two on each side. Loosen the front two bolts on each side allowing the receiver hitch to hang down. *Note: You can retain your receiver hitch but you may have to purchase a longer ball mount to bypass the drop hitch of the Ranch Hand bumper.)*
2. If reverse sensors are present, remove the sensor from the factory [bumper](#). **DO NOT DISCONNECT THE SENSOR WIRES.** Zip-tie the sensors to the frame to prevent damaging when installing the bumper.
3. Unplug the license plate lights and remove the factory bumper.
4. If reverse sensors are present. Remove the four plastic plugs from the skirts and install the rubber grommets.
5. Slide the Ranch Hand bumper in place. The mounting brackets will mount to the outside of the frame and the angle iron to the bottom of the frame. The receiver hitch will mount under the angle iron.
6. Use the ½” x 2 ¼” bolts to mount the mounting bracket to the frame. The bolts should face outward. Use the ½” x 1 ¾” bolts to mount the angle iron to the frame. The bolts should face downward.
7. Tighten the bottom bolts first and then the side bolts.
8. Mount the license plate to the two small holes in the back plate. The license plate light will mount to the hole on the left side of the license plate.
9. Install the sensors into the rubber grommets. You may want to use a small amount of silicon to help secure the sensor in the grommet.
10. **MAKE SURE ALL NUTS AND BOLTS ARE TIGHT!**

### WARNING

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.