

# RANCH HAND

1-800-366-9712

## **INSTALLATION INSTRUCTIONS**

### **BACK BUMPER with REVERSE SENSORS HOLES for: 2011 - up CHEVY/GMC 2500HD & 3500HD PART # BBC110BLSL**

1. 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.
2. If factory receiver hitch is present, remove the bolts that hold the factory bumper to the receiver hitch together.
3. Loosen the bolts that hold the receiver hitch to the frame. Let hang down.
4. Remove the factory trailer plug if present. Unhook the license plate lights.
5. Remove the bolts for the factory bumper and remove bumper.
6. Set the trailer plug in the hole in the left bottom corner of the back plate. From the backside, mark through the 1/4" holes onto the trailer plug for holes to be drilled. Drill two 7/32" holes. Use the two 3/16" bolts from the front side to install.
7. If reverse sensors are present. Remove the four plastic plugs from the skirts and install the rubber grommets.
8. Mount the Ranch Hand bumper to the frame. The mounting brackets will mount to the inside of the frame. Use two 1/2" x 2 1/4" bolt in the rear two holes. Use one 3/8" x 2" bolt in the front hole for each bracket.
9. Push the receiver hitch up and bolt the receiver hitch to the bracket on the Ranch Hand bumper. Use 1/2" x 1 3/4" bolts to install.  
*Note: On some trucks, you will use the two 1/2" thick spacers between the receiver hitch and the bracket of the bumper.*
10. Tighten the bolts for the receiver hitch to the frame. Then tighten the bolts for the receiver hitch to the bumper bracket. Lastly, tighten the bolts for the bumper mounting bracket to the frame.
11. Mount the license plate by using two 1/4" bolts.
12. 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.
13. **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.

8/11/10