

- 1. Unplug the factory sensor/fog light wiring harness. It is located on the passenger side.
- 2. Remove the factory bumper. In order to do so, you need to remove the factory grille. Open the hood and remove the hood release latch by removing two T15 screws.
- 3. Remove the ten plastic clips holding the plastic shield located above the grille.
- 4. Remove the factory grille by removing the four 10mm screws on top and pulling on the grill clips.
- 5. Remove the factory bumper by removing the two 18mm bolts from each side of the frame. They will be facing down.
- 6. Reinstall the factory grille, plastic shield and hook release latch.
- 7. Remove the two black bumper mounting plate by removing the three 15mm bolts.
- 8. Install the top mounting brackets. You will reuse two 15mm bolts. Hand tighten only.



9. Install the lower brackets. Slide the 5" tab w/the bolts through the top holes of the frame. Hand tighten only.



10. Reinstall the tow hooks. Use the factory tow hooks. If there are no tow hooks present, use $\frac{10}{2}$ bolts.



- 11. Remove the sensor/fog light wiring harness from the factory bumper. You will need to extend the two outside sensor wires. Use wire and connectors provided.
- 12. Push the rubber grommets into the holes in the frontend. Run the wiring harness threw the rectangle holes of the uprights. When installing sensors, use a little WD-40 in the grommet holes and around the sensors to help with install. Set the sensors at a 45-degree angle.
- 13. Mount the frontend to the top and lower brackets. Use the ½" hardware to install. Have the bolts facing outward so fog light brackets can be installed easier. Hand tighten only.
- 14. Center the frontend from side to side and up and down. Tighten all bolts and nuts.
- 15. Plug in the sensor/fog light wiring harness.
- 16. Mount the fog lights by using LBC19HBP instructions.

----- WARNING ------

Special care should be exercised in the handling, storage and installation of 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.

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