

INSTALLATION INSTRUCTIONS

NOMAD™ SERIES FRONT BUMPER

Application: 2019 Mercedes Sprinter

Thank you for choosing Backwoods Adventure Mods for your bumper! We value our customers and off road lifestyle.

Safety First! Thoroughly read all instructions and warnings before beginning the installation. Use your own judgment and, if necessary, have the installation done by a professional.

This bumper is intended for off-road use only. The owner assumes all liability for installation and use. Any sensor will have an altered view when installed in an after-market bumper.

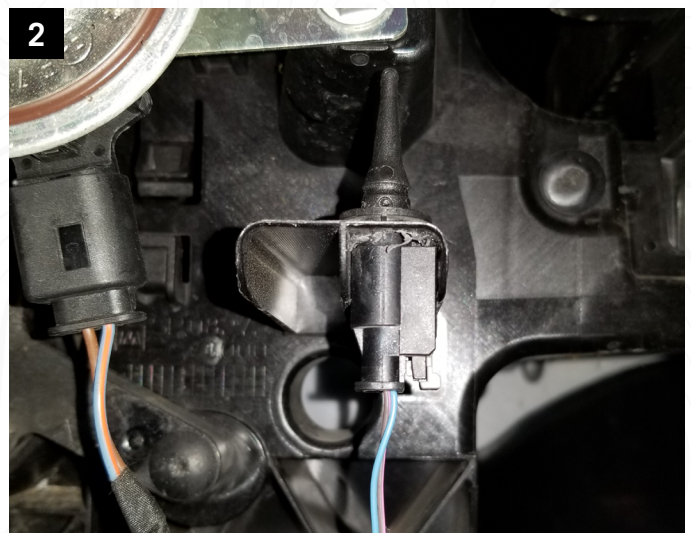
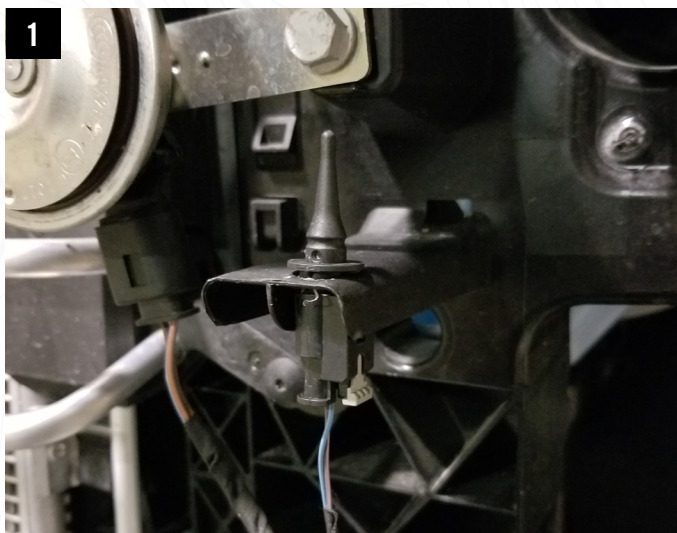
To Begin:

1. Disconnect battery (both, if equipped) prior to performing any electrical work.
2. Remove the grille. Remove the bumper and all bumper components, including wiring harness. Be sure to remove the plastic bumper retaining clip from under each highlight.

Install Your New Bumper:

1. Using a step bit, drill an appropriate sized hole in the plastic just below the driver side headlight and insert the ambient temperature sensor.

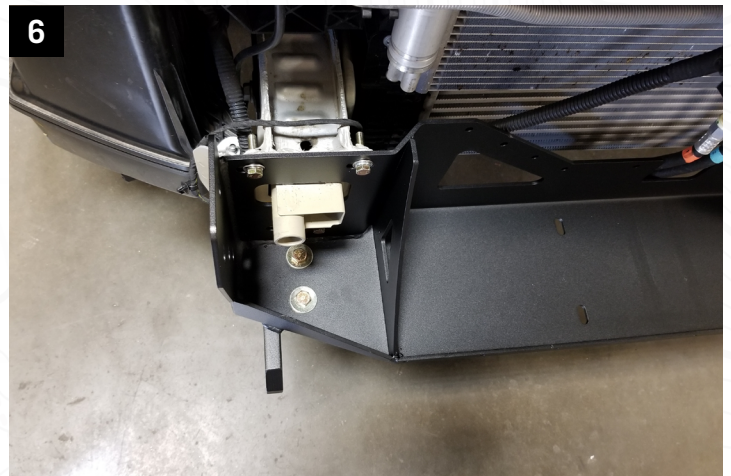
Picture 1-2



2. Install the auxiliary frame brace brackets with the supplied hardware from kit BW00-0049 (leave loose). **Pictures 3-4.**



3. Install the winch cradle with (8) supplied M8 bolts and washers from hardware kit BW00-0004. Center the cradle laterally and tighten the bolts. **Picture 5-6**



4. Install the winch now if applicable, according to the manufacturer instructions. There are holes for cable ties cut into the back of the winch mount to assist with securing wires, cables, and hoses. **Picture 7**



5. Install the supplied fender braces using the original hardware. **Picture 8**
Note: Some models may have extended bracing on the passenger side that needs to be cut away. **Picture 9**



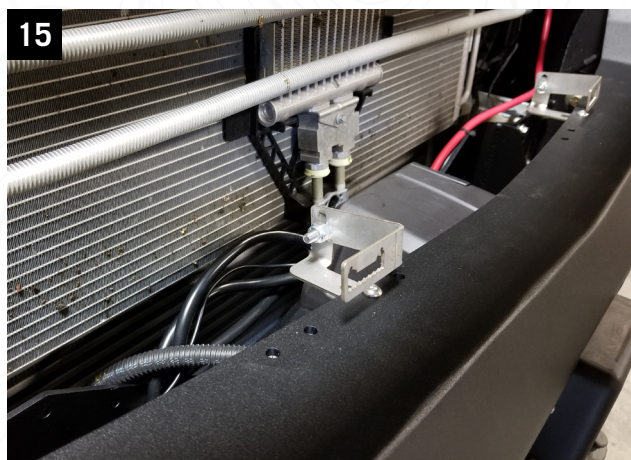
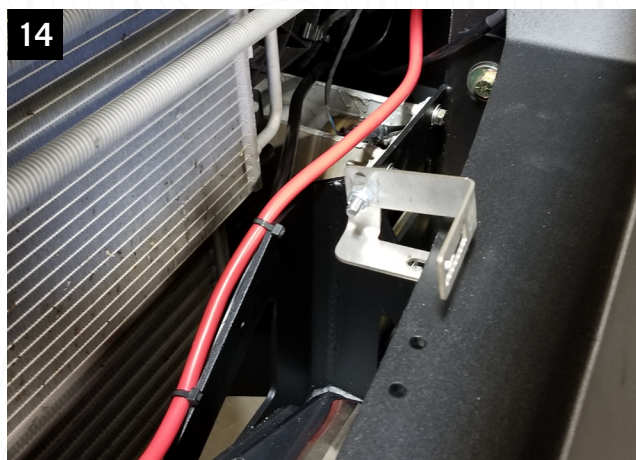
6. If equipped with parking sensors, install the plastic sensor housings into the bumper from the outside. Then install the OEM sensors into the housings from the inside. Be sure to maintain the same position and orientation as they originally were in the stock bumper. Install the sensor wiring harness, routing it through the holes in the bumper bracing. **Pictures 10-11** If not equipped with sensors, install the delete plugs instead.

7. If equipped with Active Brake Assist (ABA), install the sensor into the supplied stainless bracket. **Picture 12** If not equipped with ABA, install the delete plate instead with the same hardware. Install behind the bumper with the sensor cover using hardware from kit BW00-0049. **Pictures 13** Customer may need to have Mercedes dealer recalibrate the sensor system.

**Note: Results vary when moving the ABA sensor from the OEM location. Drive with care until you have verified that the system functions correctly. Adjustments may be necessary for the system to function correctly. We cannot guarantee our product is compatible with this system.



8. Install the lower grille retaining brackets using hardware from kit BW00-0006. **Picture 14-15**. Install the grille using factory hardware and push into the lower supplied brackets. Brackets may need to be adjusted for optimal grille fitment.



9. Install any lighting now (if applicable) using the lighting manufacturer's instructions and wiring. There are wiring pass-through holes in the bumper to assist in securing wires.
10. Install the bumper with the (8) supplied bolt/nut sets in hardware kit BW00-0003. The easiest access point is through the airflow holes in the front of the bumper. **Pictures 16-17.** Leave loose, then adjust the bumper to the desired location and tighten the bolts. **Picture 18**



11. The splash shields/wheel well liners can be tucked into the bumper's end-cap. There's a hole in the bottom edge of the bumper on each side to secure the bottom of the splash shield. Use hardware from BW00-0049. Reinstall the grille using the OEM hardware at the top and pushing the tabs into the grille clips at the bottom. **Picture 19.**
12. Check all hardware and re-torque to specs if necessary. Reconnect the OEM wiring harness, if applicable.