



## **REAR BUMPER INSTALLATION INSTRUCTIONS** **2007-2015 Mercedes Sprinter - with hitch, no swing arms**

### **Please read before beginning**

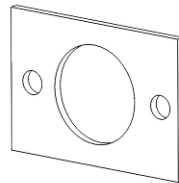
- *Stainless steel hardware may bind together when tightening—It is recommended that you apply an anti-seize assembly lubricant to the threads of each bolt before assembly*
- *This installation requires two people*

### **Required tools**

- Standard and metric wrench set
- Allen wrench set
- Torx-head (6-point star) wrench set
- Flat-head screwdriver (used to remove stock plastic fasteners)
- Phillips-head Screwdriver



### **Included Parts/Subassemblies**



x4

**Parking Sensor  
Brackets (if applicable)**

### **Included hardware**

### **Quantity**

- |  |    |
|--|----|
| ○ 70185—7/16-14 x 4-1/2 Hex head bolts | 8  |
| ○ 70056---7/16-14 Nylock Nuts          | 8  |
| ○ 70057---7/16 Flat Washers            | 16 |
| ○ Antiseize Packet, 2g                 | 1  |

### **Assembly instructions**

1. Your new Aluminess Rear Bumper will work with the factory plastic bumper. This is to ensure proper function of lane change sensors if your vehicle is equipped with them.
2. If you have a factory step bumper or a receiver you will need to remove them when you are completing the following steps to install the Aluminess Hitch.
3. Your Aluminess bumper and hitch will most likely ship completely assembled. If it is not fully assembled then bolt the bumper to the hitch using the 1/2" hardware going from the back of the

bumper into the hitch, and the 3/8" hardware going from the top of the bumper to the top of the swing arm plate.

- a. Ensure that you mount your license plate and license plate light *before* you install the bumper, as it will be near impossible to install the license plate after the bumper is installed.
4. With someone assisting you by holding up the trailer hitch and bumper assembly, mount the hitch to the frame using the 7/16" Bolts. If your Sprinter has the factory backing plate you can retain it and use it with the washers on the inside of the frame
  - a. Some sprinters have only 3 bolts supporting the hitch in which case a 4<sup>th</sup> hole will need to be drilled. Fasten down the provided bolt for this additional hole that needs to be drilled.
5. You may have to push the exhaust out of the way in order to slide the passenger side bracket assembly, so **make sure that the car is off, and wait an ample time after running the engine to ensure that the exhaust pipe is cold— otherwise you risk burning yourself!**



**Figure 2: Aluminess Hitch with Factory Backing Plate**

6. Make sure the bumper is slid as far to the rear of the vehicle as possible. You will also need to keep the bolts loose at this time so that the bumper can pivot forward and back.
7. Set the bumper level and tighten the mounting bolts.
8. If you have a hitch wiring electrical box on your vehicle, you can bolt it to the front face of the Aluminess bumper with the original hardware that mounted it to the stock hitch. There are two holes on either side of the provided receiver hitch. You can bolt the electrical box through one of these holes.
9. The bumper is now installed—check the mounting hardware after 100 miles of driving to ensure that nothing has come loose due to vibration

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