



INSTALLATION GUIDE

Sprinter Front Bumper



FIG 1A



Remove stock bumper from vehicle, carefully checking around it for plastic clips or bolts that are holding it in place.

Make sure to remove any optional wiring which might include temperature sensor on passenger side, the radar sensor also on passenger side and the parking sensors all the way across the stock bumper with the main plug on driver's side.

FIG 1B



Next, with a marker and tape measure, measure at the 3/8" mark as shown in Fig 1B / Fig 1C down from the top of the frame.

FIG 1C



Next we'll be taking the following bracket (Fig 2A) and placing it onto the vehicle frame (drivers side/outside frame) shown in Fig 2B at the 3/8" mark we had marked in Fig 1B / 1C

FIG 2A



FIG 2B



FIG 2C

With a sharpie, mark the frame through the two holes on the bracket (see Fig 2C)



On the inside of frame, using a tape measure, mark at the 1 1/4" mark at the top as shown in Fig 3A (shown is the inside drivers side frame)

FIG 3A



Now we'll be taking the inside bracket and placing the top of it at the 1 1/4" mark we did in Fig 3A. Then with the sharpie, mark your drill holes through the two holes of the bracket (See Fig 3B)

FIG 3B



FIG 3C

As we did for the Driver's side, we'll be marking at the 1 1/4" mark on the passenger side. (passenger inside frame)



Place the inside bracket into position at the 1 1/4" mark at the top and mark your drill holes with a sharpie as we did in Fig 3B/3C

FIG 4A



FIG 4B



FIG 4C

Now we're ready to drill into the marked spots.

Make sure your hole is a minimum size of 3/8" and no larger than 7/16".

We recommend using a center punch tool (see Fig 4C) to mark your drill points first so the drill bit doesn't move around when drilling.



FIG 5A



FIG 5B

Do the same for the passenger side drilling a 3/8" hole that's no larger than 7/16".

You will be drilling a total of 8 holes, 4 per frame. In a few sprinter models, there is an existing hole that will line up fairly close to a needed hole. If this exists, you will just need to enlarge the hole no bigger than 7/16".



FIG 5C

Once holes are drilled, insert bolts through both brackets and frame. See Fig 5C thru 6B



FIG 6A



FIG 6B



FIG 6B

Keep all bolts hand tightened but fairly loose until final fitment.



FIG 7A



Large frame mounts

For this step, you'll be reusing the 4 stock bolts that were removed from each side of frame along with 8 included washers (4 for each side).

You'll also be using the included hardware kits shown below in Fig 7B & 7C

FIG 7B

Fig 7B - Drivers side large bumper bracket hardware



FIG 7C

Fig 7C - Passenger side kit

*NOTE - if vehicle is equipped with diesel engine, you will only need to use two shims as the def tank bracket will provided the extra spacing that is needed.



First, place the stock bolts into position as shown in Fig 8A and hand tighten. (keep these fairly loose for now)



Next, with the included hardware from 7B (drivers side), we'll be inserting the provided bolts with washers and using a shim in between the small and large frame brackets. (See Fig 8C)



Please note in Fig 8C, the passenger side will need two additional spacers(shims) if the def tank bracket is not needed. See Fig 9B



Next, we'll be doing the same for the passenger side, however we will be mounting the def tank bracket to the large frame bracket.

Start by hand tightening the large bracke to the frame with the stock vehicle frame bolts.

**This next step is for Diesel powered motors with def tank

Next, we'll be taking the def tank bracket shown in Fig 8B and securing with provided hardware. The end of the def tank bracket will also require an included bolt and nyloc nut to secure tank to the end tab. (Fig 9C)

Secure the rest of the bracket with the remaining hardware from Fig 8B

*NOTE - your def tank bracket will look slightly different than the one pictured here as it was modified to accommodate for clearances in the light ports. See Fig 9C (new bracket)

If you don't need this bracket, you'll need to add two spacers in Fig 8C.

FIG 9A



FIG 9B



FIG 9C





FIG 9A

Once both brackets are loosely secured to frame, with a measuring tape, make sure there is roughly 30" between the two bumper brackets for the bumper to fit properly.



Next, we'll be clipping the grille back into place with provided aluminum brackets.

Each bracket will need two bolts, washers and nuts to secure into place as shown in Fig 9B & 9C

NOTE - Recommend installing the grille brackets before bumper goes on.

FIG 9A



FIG 9B



FIG 9C



Next, with the help of a friend, carefully place the front bumper onto the frame brackets and checking for properly fitting and alignment with vehicle. Using provided bolt hardware, secure the bumper into place. Double check all bolts are tightened down at this point.

Note - Driver/Passenger bumper brackets that will be holding the bumper uses 3 bolts, washers and 3 locking nuts to secure into place. You may need to reach in from underneath and/or through the opening on top where winch is situated to tighten with wrench/socket.

Shown right is the drivers side bracket with 3 bolts that secure bumper into place.

