BOSTROM SPRINTER SEAT INSTALLATION

Note: The following is just a suggested procedure for installation, not necessarily the exact method for all Sprinter vans

1. **Inboard Seatbelt removal (Buckle Side):**
   1.1. Unscrew the fastener at the connection point of the harness, shown in Figure 1, for re-connection following removal of seat.

   ![Figure 1: Buckle Side Seat Belt Fastener](image1)

   1.2. Cut any zip ties that are holding seat belt cable onto the side of the seat, as shown in Figure 2.

   ![Figure 2: Zip-Tie Connection](image2)

   1.3. Keep buckle and bracket for new seat installation.

2. **Outboard Seatbelt removal (Webbing Side):**
   2.1. Unscrew the fastener at the tether point of the harness, as shown in Figure 3, for re-connection following removal of seat.

   ![Figure 3: Webbing Side Seat Belt Fastener](image3)

   2.2. Keep both nylon bushings upon removal of seat belt webbing for new seat installation.
3. **Remove Floor Bolts on Body Mount:**
   3.1. Remove the 6 Hex Head or Cap Screws and washers from adaptor plate by first removing 2 screws on front of tracks, as shown in Figure 4. Then, slide seat all the way forward and remove back 4 screws, as shown in Figure 5. Keep screws and washers for re-installation.

![Figure 4: Side View of Seat](image1)

![Figure 5: Back View of Seat](image2)

4. **Removing existing seat and cardboard cover (where applicable):**
   4.1. Caution: Seat may still be connected to seat belt cable
   4.2. Shift seat over without directly lifting off base to access the wiring
   4.3. Remove rubber grommet from cardboard and cardboard cover from base to access electrical box, as shown in Figure 6. Follow the seat belt cable and disconnect the cable at the connection point, as shown in Figure 7. Seat should then be able to be fully removed.

![Figure 6: Cardboard Cover and Grommet](image3)

![Figure 7: Seat Belt Connection](image4)

5. **Pre-wiring requirements:**
   5.1. Cut the rubber grommet, which holds the seat belt cable, lengthwise as shown in Figure 8. From most auto parts stores you can purchase a fuse block (15 amp circuit) with applicable wire, which is shown in Figure 9. This is the easiest way to connect to the existing fuse block under the seat and this will provide a positive power lead.

![Figure 8: Rubber Grommet Cut Lengthwise](image5)

![Figure 9: Add-Circuit Fuse Block](image6)
5.2. Cut a hole in the cardboard panel where the adaptor plate is going to sit on the base and fish fuse block wire and seat belt connector through the hole, as well as one loose wire to act as a ground.

Figure 10: Marking Hole on Cardboard Panel

Figure 11: Cardboard Panel with Hole and Wires Inserted

5.3. Attach this one separate wire to any of the fasteners on the box to provide a good ground.

6. Driver side wiring:

6.1. Start by fishing the seat belt connector and lead and ground wires through the hole in the right side of the plate to make the connection to the compressor and seat belt cable, as shown in Figure 12.

Figure 12: Seat Belt Connector and Both Wires in Plate

6.2. Connect seat belt cable and connector then push connection back into the plate, as shown in Figure 13. Enclose all three wires with rubber grommet and insert grommet into hole on side of plate, as shown in Figure 14.

Figure 13: Seat Belt Connector Attached Outside of Fuse Box

Figure 14: Rubber Grommet with Wire
6.3. Connect lead and ground wire to the two wires coming from the compressor. Also splice in passenger wires in as necessary, as shown in Figure 15 and Figure 16.

6.4. Add fuse block into applicable spot in fuse box as shown in Figure 17.

6.5. Pre-test the new seat for wiring validation before closing fuse area cover.

7. **Install new seat to vehicle:**
   7.1. Place new seat on body mount
   7.2. Insert floor bolts and washers into opposite corners in order to locate all the holes. For a 2006 or older model use the inner 6 bolt hole pattern. For 2007 or newer model use the outside 4 bolt hole pattern. Start threading all holes before tightening any of the bolts fully. Figure 18 shows all the bolts installed on the right side of the plate.
   7.3. Cover all exposed wires and zip-tie them to a part of the structure as shown in Figure 19.
8. **Inboard/Outboard seatbelt/ tether installation:**
   8.1. Install buckle and new fasteners included with seat in manner shown in Figure 20 and Figure 23 on the inboard side of the vehicle. Also, tighten bolt attached to adaptor plate if it is not tightened already.

   ![Figure 20: Stack up of Fasteners on Seat Belt Buckle](image)

8.2. Install webbing and new fasteners included with seat in manner shown in Figure 22 and Figure 23 on the outboard side of the vehicle. Be sure to include nylon inserts, shown in Figure 21 in webbing hole and check that the webbing strap is not twisted when reinstalling. Also, tighten bolt attached to adaptor plate if it is not tightened already.

   ![Figure 21: Nylon Inserts in Webbing Buckle](image)

9. **Final Check of seat:**
   9.1. Ensure that all 4 or 6 mounting fasteners are inserted and tightened securely.
   9.2. Check both sides of the seat belt to confirm that everything is fastened correctly and is tightened.
   9.3. Check the suspension of the seat to see if it raises and lowers as directed to be sure that compressor is wired correctly.
   9.4. Check if the seat belt notification system works to ensure that the seat belt cable was reattached to the connector.
Figure 23: Exploded View of Fasteners in Tether Cable Assembly

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Figure 24: Labeled Fasteners

Figure 25: Seat Fully Installed in Sprinter Van