

## Item Number \_\_\_\_\_

RAM-VB-143 & RAM-VB-143-SW1

# RAM No-Drill™ Seat Bases

National Products, Inc.

## Vehicle base for the GMC SAVANA VAN (1998-2013) CHEVROLET EXPRESS VAN (1998-2013)

### SPECIFICATIONS

#### Placement

Attaches between seat frame and floor board. Uses front and rear, inside seat studs.

#### Drilling Required

No - uses existing seat bolts

#### Seat Configuration

Bucket

#### Construction/Finish

Steel/Black Powdercoat

#### Dimensions

A = 13.75", B = 7.625", C = 17.625"  
Hole Centers = 11.687"

#### Pole or Pedestal

Included on Base

#### Weight

6.1 lbs.

#### Tools required for base installation

2 qty ½" box end wrench's, 18mm deep, 15mm deep sockets, and socket wrench for base installation. Tools for complete system assembly: pliers, phillips screw driver, #10, ½", 9/16" box end wrench's.

### Features

Installs in minutes with no drilling required  
Stabilizer bracket included  
Rock solid construction  
Lifetime warranty

#### National Products, Inc.

8410 Dallas Ave S  
Seattle, WA 98108  
Phone: (206) 763-8361  
Fax: (206) 763-9615  
Website: [www.ram-mount.com](http://www.ram-mount.com)  
Email: [staff@ram-mount.com](mailto:staff@ram-mount.com)



Complete Vehicle Mount  
RAM-VB-143-SW1

RAM-VB-143SL  
shown attached



Vehicle Base  
RAM-VB-143



**Item Number** \_\_\_\_\_

RAM-VB-143 &amp; RAM-VB-143-SW1

**RAM No-Drill™ Seat Bases**

National Products, Inc.

**Vehicle base for the  
GMC SAVANA VAN (1998-2013)  
CHEVROLET EXPRESS VAN (1998-2013)****INSTALLATION INSTRUCTIONS**

Suggested tools for this installation are a 2, ½ inch box end wrenches, 15mm deep socket, 18mm deep socket, and socket wrench.

1. Attach the stabilizing brace, RAM-VB-143SL to the No-Drill™ base first. Note that there is a small hole and a large hole on the brace. The small hole side goes to the No-Drill™ base, the large attaches to the seat of the vehicle. Attach the brace so that once installed, the brace angles toward the front of the vehicle. Also, the brace should be on the forward side of the No-Drill™ base, not the back. This is important for proper alignment. Place the bolt through the hole and thread on the nut only finger tight. Flip the brace into a vertical position and set aside this assembly.
2. Using the 18mm deep socket, loosen and remove the nuts holding the seat frame to the floor board. Once removed, gently lift the entire seat assembly up and off the studs. Place the No-Drill™ base so that it is positioned over the seat studs coming out of the floor board. The base installs to the inside front and inside rear seat studs. Once you have the base in position, make sure the stabilizing brace is in an upright or vertical position.
3. Lift the passenger side seat up and align the seat frame holes with the studs. Lower the seat back into place securing the No-Drill™ base in between the seat frame and floor board. Next, using the 18MM deep socket, fully tighten the nuts previously removed to 39 ft lbs.
4. Using the 15mm deep socket, loosen and remove the nuts holding the front seat tracks to the seat frame. At the back of the seat, you only need to loosen these nuts enough to allow you to lift the front of the seat track and clear the seat studs.
5. Tilt the passenger side seat back causing the seat studs to clear the seat frame holes. Now take the stabilizing leg out of the vertical and lower it down over the top of the now exposed hole in the seat frame. Keep the seat up for step
6. Lower the seat back down passing the seat studs through the brace and spacer and through the seat frame holes. Once the seat is back down, and prior to re-installing the seat track nuts, use the ½ inch box wrenches to tighten the stabilizer leg where it connects to the No-Drill™ base. It is easier to do this now before the seat is fully tightened back into place. Once the brace to base connection is tight, reinstall and fully tighten the nuts holding the seat to the seat frame using the 15mm deep socket. Torque to 30 ft lbs.
7. Using the 15MM deep socket, re-install and fully tighten the four seat track nuts to complete the installation.

**National Products, Inc.**  
8410 Dallas Ave S  
Seattle, WA 98108  
Phone: (206) 763-8361  
Fax: (206) 763-9615  
Website: [www.ram-mount.com](http://www.ram-mount.com)  
Email: [staff@ram-mount.com](mailto:staff@ram-mount.com)

