

Van Step Bracket and Step Mounting Instructions 1999-2000 Chevy Express/GMC Savana

Installing the Mounting Bracket

1. Remove the step well mat, carpet (if applicable) and trim from the step well area.
2. Using the bolt hole locations illustrated in Figure 1, drill four $\frac{5}{16}$ " diameter holes in the step well for the upper mounting bolts.
3. Bolt the top of both mounting brackets in place using the $\frac{5}{16}$ -18 x 1" hex head bolts, $\frac{5}{16}$ " flat washers and wing nuts (see Figure 2). Note: Do not use the $\frac{5}{16}$ " split lock washers and $\frac{5}{16}$ -18 nylock nuts until the final mounting procedure.
4. Mark the position of the holes in the back end of the mounting brackets on the vehicle frame and on the underside of the step well.
5. Drill $\frac{5}{16}$ " hole through the underside of the step well.
6. Remove the mounting brackets.
7. Drill $\frac{3}{8}$ " diameter holes in the chassis frame at the marks transferred from the back end of the mounting bracket. Note: These holes must be located accurately and to size.
8. Install the threaded inserts in the $\frac{3}{8}$ " diameter holes in the chassis frame. Follow the instructions for installing the inserts provided with the installation tool.
9. Using the $\frac{5}{16}$ -18 x 1" hex head bolts, $\frac{5}{16}$ " flat washers, $\frac{5}{16}$ " split lock washers and $\frac{5}{16}$ -18 nylock nuts, fasten the top of the mounting brackets to the back of the step well. Note: Do not tighten the nylock nuts securely until all fasteners are in place.

Installation Notes

Parts List

Qty	Description
2	mounting brackets
6	$\frac{5}{16}$ "-18 x 1" long hex head bolts
13	$\frac{5}{16}$ " flat washers
10	$\frac{5}{16}$ " split lock washers
10	$\frac{5}{16}$ "-18 nylock nuts
4	$\frac{5}{16}$ " -18 wing nuts
4	$\frac{1}{4}$ "-20 threaded inserts
4	$\frac{1}{4}$ "-20 x $1\frac{1}{2}$ " hex head bolts
4	$\frac{1}{4}$ " split lock washers
1	$\frac{5}{16}$ " sheet metal screw
1	Instruction sheet

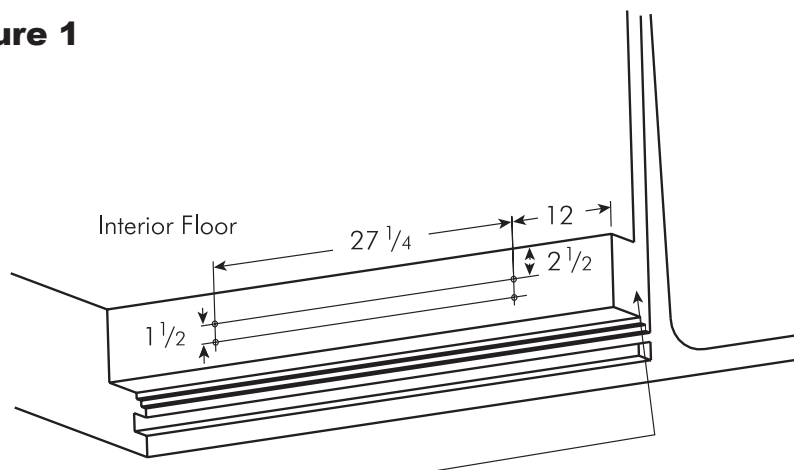
Tools Required for Installation

Threaded insert installation tool (#907555 or #907556; available from Kwikkee; see step #7 in the Installing the Mounting Bracket section); Drill motor and $\frac{7}{32}$ ", $\frac{5}{16}$ " & $\frac{3}{8}$ " dia. drill bits; Socket wrench and $\frac{7}{16}$ " & $\frac{1}{2}$ " (deep) sockets; $\frac{7}{16}$ ", $\frac{1}{2}$ " & $\frac{9}{16}$ " combination or open end wrenches; Pencil or marker; Flashlight or drop light; and Safety Glasses.

Pre-Installation Notes

1. Read all instructions before beginning any installation procedure.
2. Disconnect the vehicle battery before beginning any installation or wiring procedure.
3. Follow the installation instructions provided below in sequence.
4. Safety glasses should be worn while performing the following procedure.

Figure 1



Suggested door switch location. Mount the switch on the flange so the wires may be fed through the flange into the step well area. Be sure the switch will not hit any trim on the inside of the door.

Do not use nylock hex nuts until final mounting procedure

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Warning: Do not reuse nylock nuts; replace with new nylock nuts if used. Do not use wing nuts to permanently mount the brackets.

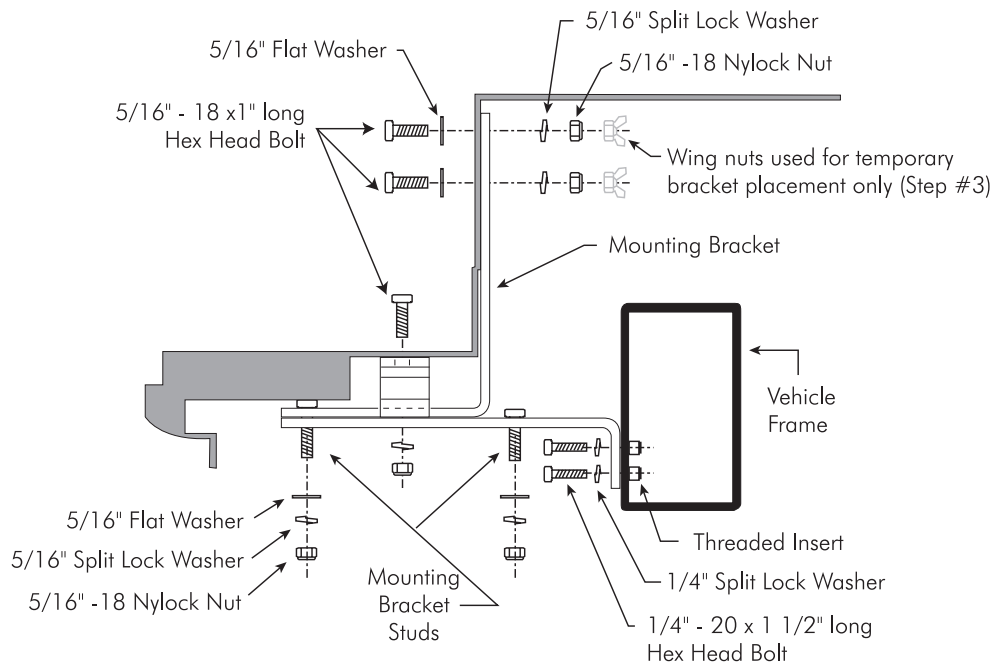
10. Using $\frac{5}{16}$ -18 x 1" hex head bolts, $\frac{5}{16}$ " flat washers, and $\frac{5}{16}$ -18 nylock nuts, fasten the bracket to the horizontal step well surface.
11. Attach the rear of the mounting bracket using two $\frac{1}{4}$ -20 x $1\frac{1}{2}$ " hex head bolts and two $\frac{1}{4}$ " split washers.
12. Tighten all nuts and bolts.

Mounting the Step

1. It is recommended that all wiring to the step be in place prior to attaching the step to the mounting brackets. Refer to the Owner's Manual for instructions on wiring the step.
2. For installation, the step must be in the extended position. Follow the Extending the Step for Installation procedures outlined in the Step Owners Manual.

3. Attach the step to the mounting bracket studs using the $\frac{5}{16}$ flat washers, $\frac{5}{16}$ split lock washers and the $\frac{5}{16}$ -18 nylock hex nuts (see Figure 2). Tighten all nuts. **Warning: Do not reuse nylock nuts; replace with new nylock if used.**
4. Drill a $\frac{7}{32}$ " hole in the chassis frame to attach the step's 12 ga. green ground wire. Scrape the paint from around the hole to guarantee a good ground connection.
5. Attach the braided ground cable to the vehicle frame. Use the $\frac{5}{16}$ " x 1" long sheet metal screw and $\frac{5}{16}$ " flat washer. Place the internal tooth lock washer supplied with the ground cable between the cable the vehicle frame. *Note: A good ground connection is essential for proper step operation*
6. Complete the step wiring as prescribed in the owners manual. Tie up and secure any loose wiring that may interfere with either the step or vehicle's operation.

Figure 2



IMPORTANT

TO INSURE GOOD METAL-TO-METAL CONTACT FOR THE GROUND, SCRAPE ANY PAINT AND/OR DIRT FROM THE AREA AROUND THE HOLE. USING THE $\frac{5}{16}$ X 1" SHEET METAL SCREW AND THE $\frac{5}{16}$ " FLAT WASHER, SECURE THE 12 GA. GREEN GROUND WIRE TO THE CHASSIS FRAME. A GOOD GROUND CONNECTION IS REQUIRED TO INSURE PROPER STEP OPERATION.

WARNING

12 VOLT AUTOMOTIVE BATTERIES CONTAIN SULFURIC ACID WHICH CAN CAUSE SEVERE BURNS. AVOID CONTACT WITH SKIN, EYES, AND CLOTHING. 12 VOLT AUTOMOTIVE BATTERIES PRODUCE HYDROGEN GAS WHICH IS EXPLOSIVE; KEEP CIGARETTES, OPEN FLAMES AND SPARKS AWAY FROM THE BATTERY AT ALL TIMES.