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Recall Remedy Instructions

Legacy SWB/Rover 144" Models - Bench#: HBEN-001 (Internal ID: Bench B)

Group	Model
Safety Recall Campaign	2014-2024 Multiple Models Listed
Recall Number	Date
24V855	December 2024

Subject: Bench Seat Reinforcement & Seat Belt Anchor Hardware

This bulletin provides information to inspect and remedy all 2014-2024 MY 144" WB VanCraft vehicles equipped with a rear bench seating system and type-1 seatbelts. The bench seat frame and type-1 seat belts need corrected seat belt anchoring hardware, mounting reinforcements, and frame reinforcements installed to bring the bench seating system into compliance with relevant FMVSS guidelines.

MY	Model	Production Dates
2014-2023	VanCraft SWB	August 1, 2020 - November 17, 2023
2023-2024	VanCraft Rover	November 20, 2023 - July 1, 2024

Note: There is no charge to the vehicle owner for this repair. Under applicable law, you may not sell or otherwise deliver any affected vehicle until it has been repaired pursuant to the procedures set forth in this bulletin.

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Installation Instructions: Legacy SWB/Rover (144" WB) Models

Bench Model(s): HBEN-001 (Internal ID: Bench "B")

Required Hardware	Required Tools
2.5" long 7/16"-20 Grade 8 Bolts	Drill
2" long 7/16"-20 Grade 8 Bolts	Impact Drill
1.5" long 7/16"-20 Grade 8 Bolts	3/8" Metric Socket Set, Ratchet, Impact Attachment
7/16"-20 Grade 8 Lock Washers	14mm, 16mm Wrenches
7/16"-20 Grade 8 Washers	Vice Grips
5/16"-18 x 1" self tapping bolt	1/8", 5/16", 3/8", 1/2", and Step Drill Bits
1/2"-13 x 4" Grade 8 Bolts	#2 Phillips, #1 Phillips, T15 Impact Bits
1/2"-13 Grade 8 Nylock Nuts	Various Impact Bit Extensions
1/2" Grade 8 Washers	Drill lubricant
Zip Ties	Torque wrench
3/8"-16x 2/2.75 bolt, nut, washers	

Required Parts	
(1x) Brace A1 (1x) Brace B2 (1x) Support A2 (1x) Support A4 (1x) Support B1	(1x) Middle seatbelt tab reinforcement plate

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Step 1: Disassemble Bench & Prep For Reinforcement Updates

Start by removing the existing seatbelts from the bench

- If the hardware is 7/16" use a 16mm wrench and socket to remove and set aside for re-installation.
- If the hardware is 3/8" use a 14mm wrench and socket to remove. **Note:** you will need to discard this hardware and upgrade to 7/16"-20 Grade 8 hardware when reassembling.

Use an impact drill and #2 Phillips bit to remove the screws holding the bench top on to the bench frame. Save this hardware and set aside for reinstallation.

Remove the fridge vent from the face of the kitchen base cabinet. Save this hardware and set aside for reinstallation.

If a Lagun table mount is installed on the sink cabinet, remove it using #1 Phillips bit and impact drill. Save this hardware and set aside for reinstallation.

Remove the bench top cubby hole door and all items stored in the bench/ bench drawer.

Remove the benchtop plywood. This can be tricky as it is a tight fit. Make sure the bench back is in the upward, locked position. Lift the passenger rear corner first, pulling up from the edge of the cubby storage hole opening.

Remove the bench drawer box from its slides by pinching the orange tabs under the box on both sides and pulling outward.

Using an impact drill and T15 Torx bit, remove the screws holding the bench frame to the drawer box face, sink box, and wheel well cover. There may also be T15 screws holding the back of the drawer box assembly to the bench back. Save this hardware and set aside for reinstallation.

With the sink box free, remove the bench drawer box cabinet assembly. If there is not enough room to remove the drawer box/ bench face assembly; clip the zip ties holding the sink box wiring and plumbing lines so the sink box can move more freely.

Note: Remove the wheel well cover. This will be discarded as it will not fit back in after the recall parts are installed.

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Remove the bench hold down bolts. Utilize vice grips on the underside nut to prevent it from spinning while unscrewing from the top with a socket and impact drill:

- If the hardware is 7/16" use a 16mm socket to remove and set aside for re-installation.
- If the hardware is 3/8" use a 14mm socket to remove; you will need to discard this hardware and upgrade to 7/16-20 Grade 8 hardware when reassembling.

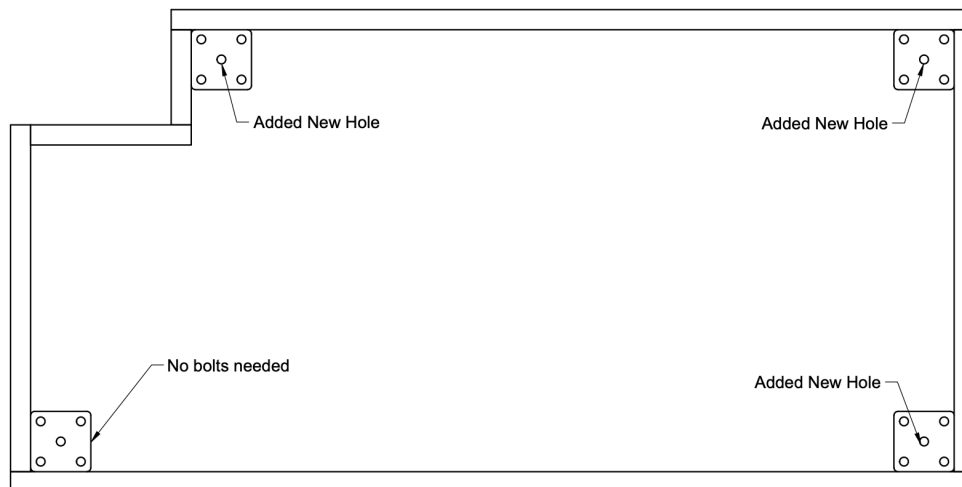
Step 2: Install Chassis Reinforcement Mounting Plates

Install chassis reinforcement plates on both driver and passenger side frame rails:

- For each side, through-bolt with 1/2" bolt > washer > bracket > washer > Nylock nut
- Torque both bolts to 15 ft\lbs

Drill new through bolt holes for all 3 hold down bolt hole locations:

- Drill new holes through the center of the mounting plates shown in the diagram below.
- Use the 5/16" drill bit first to predrill for the 1/2" drill bit. Use drill lubricant when needed.
- Utilise the previously used hole in the mounting plate as well as an additional new hole in the center of the mounting plate (***see diagram below***).



Bolt down the rear Hold down bolts:

- Use 7/16"-20 Grade 8 Yellow Zinc bolts in either 2" or 1.5" lengths depending on floor thickness.

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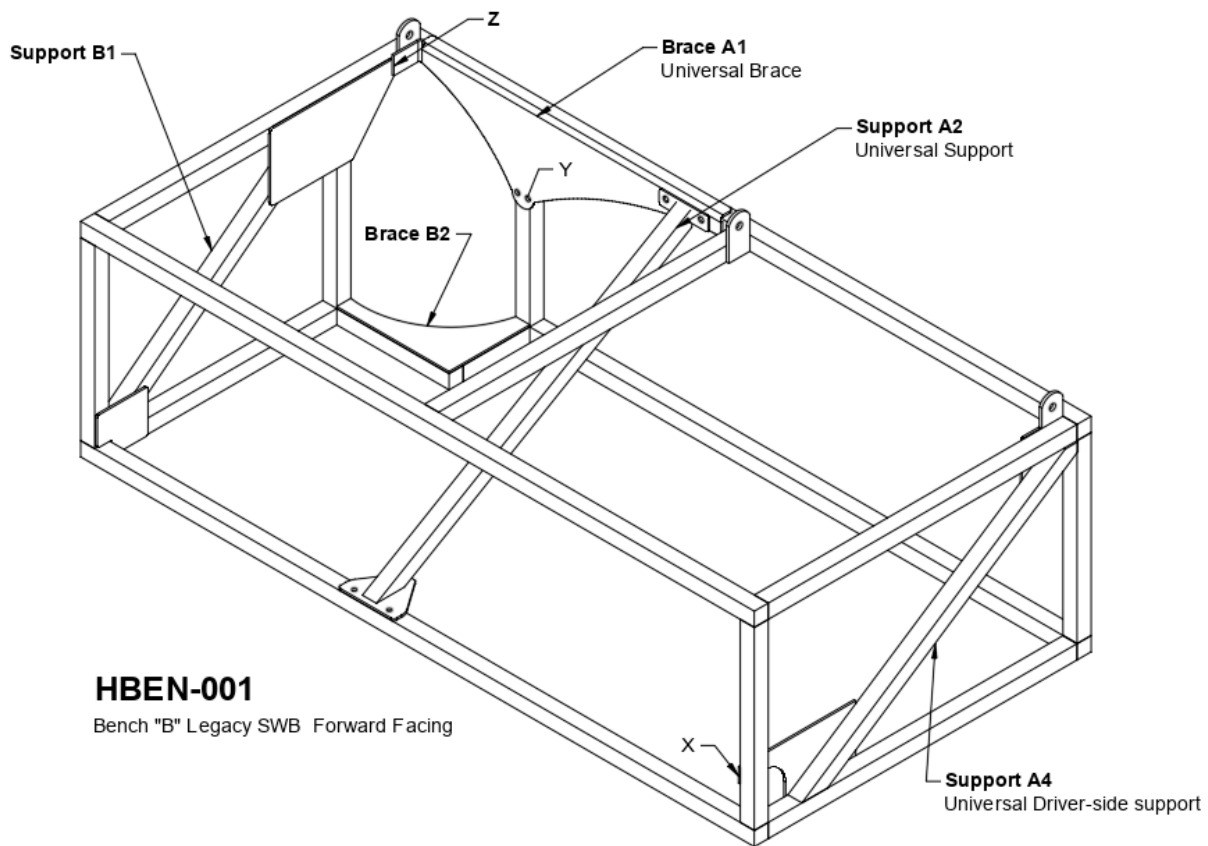
- Use 7/16"-20 Grade 8 Yellow Zinc washers on both the top and bottom side of the bolt.
- Use vice grips on the bolt head to hold the bolt from spinning while using a 16mm socket and impact drill to tighten the 7/16"-20 Grade 8 Yellow Zinc nut from below.
- Tighten the bolt to 20 ft/lbs.

Step 3: Install Bench Frame Reinforcement Braces

Install forward facing bench braces:

- Start with Brace A1. Hold the brace in place according to the diagram below, making sure to push the brace all the way to the passenger side so that it is touching the passenger seatbelt mounting tab. If Hole "Y" does not line up you will need to drill a new hole next to it for the 14mm self drilling screw to mount into the vertical bench frame tube.
- There are pre-drilled holes along the top rail for A2, aside from the bolts used for A2 only 2 more bolts along the top rail need to be used.
- The hole "Z" marked in the diagram is to be through-bolted using one 3/8"-16 x 2.5" bolt, nut and washers.
 - Pre-drill through the seatbelt tab and bench frame tube with a 3/8" drill bit.
 - Push the bolt and washer through the hole.
 - Place a 3/8" washer on the back side and thread the nut on.
 - Use a 14mm wrench on the nut and tighten the bolt head with a 14mm socket and torque wrench. Torque to **30 ft/lbs.**
 - Use one self tapping bolt for the bottom hole on A1, securing A1 to the vertical bench tube.
- Use the same tools and self drilling 14mm bolts to install the remaining braces; Support B1, Brace B2, Support A2, And Support A4.
- Take extra care with A2 to place it far enough to the passenger side so the drawer box can fit back in place.
- Note to **NOT** install a bolt in the hole marked "X" as it is reserved for LWB installs only.
- Use **ALL** other provided screw holes in each mounting plate.

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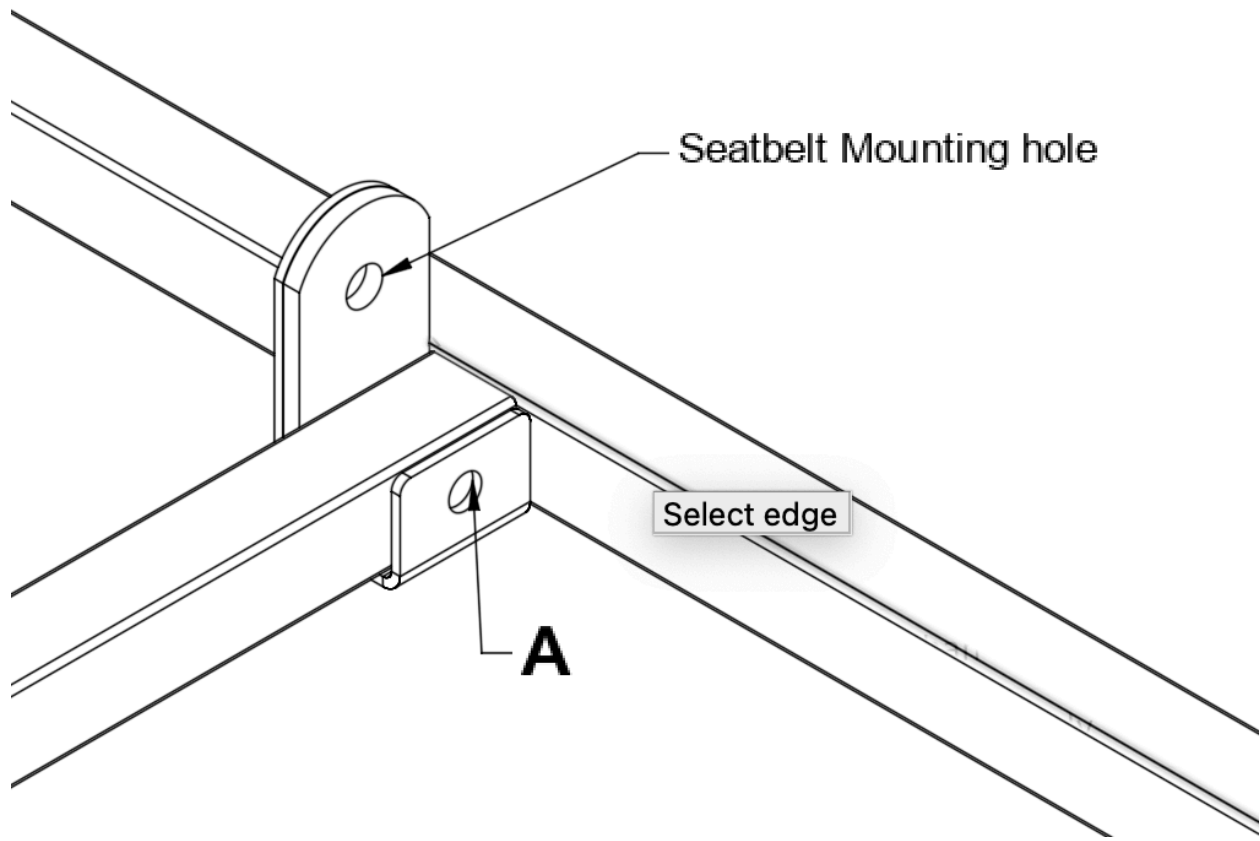
Step 4: Seatbelt Tab Weld Inspection

The middle and driver side seat belt tabs must be inspected for structural integrity. A correct tab installation will have 4 welds holding it to the frame (top, bottom, and both sides.) Anything short of 4 welds will constitute a fail and will need to be through-bolted to ensure its structural integrity.

Middle seatbelt tab reinforcement bracket installation:

1. Set the reinforced in as pictured in the diagram below. Drill through hole "A" using a 3/8" drill bit to drill clear through both tube walls. Keep your drill straight to make sure the bolt will line up through the other side of the bracket.
2. Bolt the bracket to the tube with a 3/8"-16x 2" Grade 8 bolt and Nut using washers on both sides.
3. Drill a 1/2" hole through the bracket using the original seatbelt mounting hole as a guide for the 7/16-20 Grade 8 seatbelt mounting bolt.

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Driver side seatbelt tab reinforcement:

1. In the bottom middle of the seatbelt tab, drill a 3/8" hole through the tab, tube frame, and closet face.
2. Drill through the closet face slowly to avoid "blow out" of the laminate.
3. Hold the drill square and level so the bolt will sit flat against the seatbelt tab.
4. Use a 3/8"-16x 2.75" bolt and nut with washers on both sides to bolt the seatbelt tab to the bench frame tube and closet face.

Step 5: Reassemble Cabinets

Re-assemble the cabinets in the reverse order they were disassembled. That is:

1. Trim the drawer box frame to fit around Brace A1.
 - a. Place the drawer box back inside the bench frame and mark where it makes contact with brace A1 as well as the 14mm bolt on the top rear of A4.
 - b. Remove the bench and cut wood away using a circular saw or multi-tool.
2. Install the bench drawerbox/face frame. Use all the same T15 Torx head screws to fasten it back to the bench frame. Keep the front face tight against the kitchen base cabinet.
3. Put the sink box back in place and screw back to the bench frame with all the same T15 Torx screws that were removed.
4. Place the bench top back on top of the bench frame. The top will sit slightly off plane due to the rise in Brace A1. Use the same Phillips head screws removed in the disassembly step to fasten back to the bench frame. Where screws may pass through new bracing you'll need to predrill for the screw with the 1/8" drill bit.
5. Replace the bench top cubby hole door.
6. Install the refrigerator vent
7. Install the Lagun table
8. Replace any zip ties that were removed on the plumbing and electrical lines beneath the bench and sink box.

Step 6: Install The Seatbelts

1. Use 7/16"-20 Grade 8 bolts paired with washers on both sides of the seat belt mounting tabs and Grade 8 nylon locking nuts.
2. Tighten the seatbelt bolts so the seat belts are angled toward the passengers waist line or at roughly 45 degrees upward from the bench top surface.
3. Torque the seatbelt bolts to 25 ft/lbs