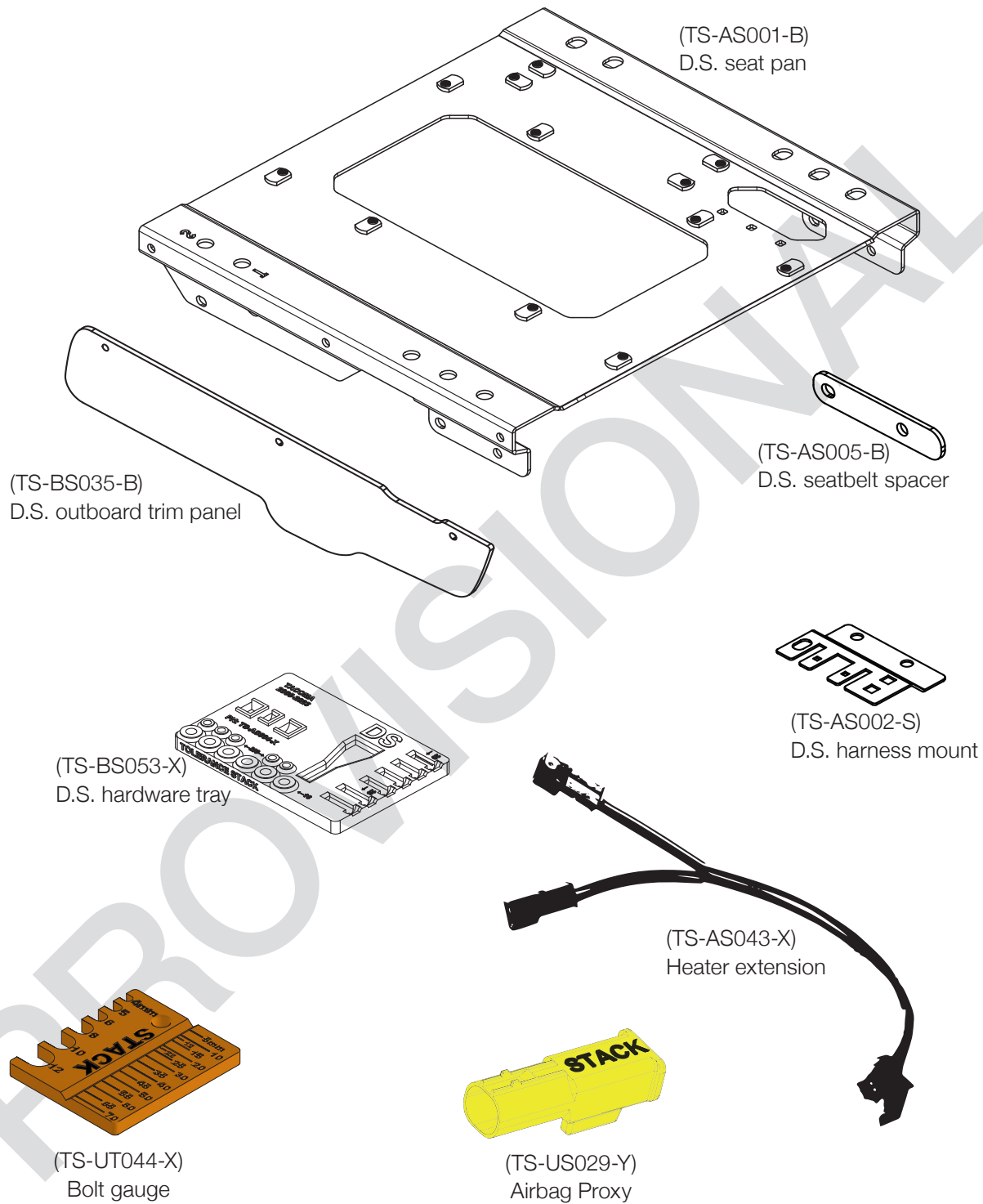



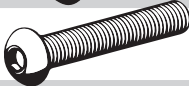











TOLERANCE  
STACK

INSTALLATION INSTRUCTIONS  
**scheel-mann**  
VARIO F/XXL AFTERMARKET DRIVER SEAT KIT TSK-A010  
TOYOTA FJ CRUISER

## DRIVER SEAT KIT TSK-A010 COMPONENTS



## DRIVER SEAT HARDWARE TRAY COMPONENTS

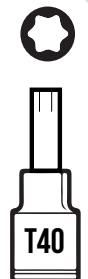
QTY	IMAGE	LOCATION	DESCRIPTION/SIZE
1		Seat belt mount	M8 x 1.25 x 25mm
1		Seat belt mount	M8 x 1.25 x 50mm
4		Seat pan to rail	M8 x 1.25 x 20mm
6		Seat to pan	Flange M8 x 1.25 x 16mm
3		*Various	M8 nut
9		*Various	M8 washer
3		Side panel (black)	M6 x 1.0 x 16mm
3		Side panel (black)	M6
2		Harness Bracket	M6 x 1.0 x 10mm
2		Harness Bracket	M6
1		Medium Locktite 243	0.02 fl oz. Blue
8		Zip ties	6" x 1/8"
1		Ball-end hex socket	5mm

### REQUIRED TOOLS

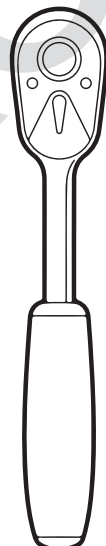
3/8" or similar drill bit

Torque wrench  
(8-27 ft/lbs or 96-324 in/lbs)

T40  
Torx  
socket



4mm  
Allen socket



13mm  
socket

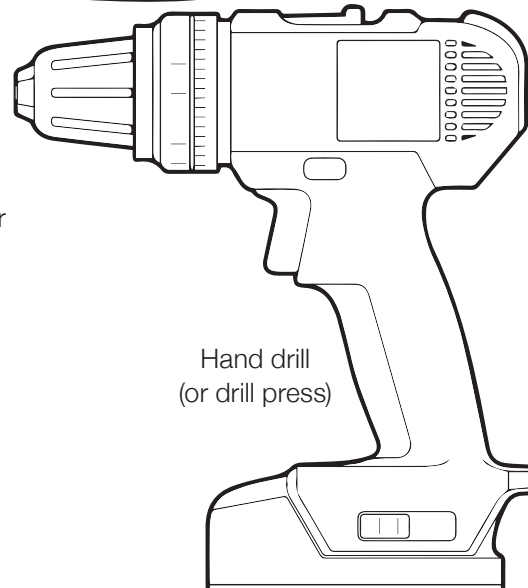


14mm  
socket

Small screw driver  
(or pick tool)



Hand drill  
(or drill press)



## DRIVER SEAT REMOVAL

- Disconnect the battery first **1**. Battery **MUST ALWAYS** be disconnected anytime the SRS airbag system is being interacted with. Wait at least 90 seconds before proceeding. (See illustration #1)
- Remove the plastic feet covers and seat mounting bolts **2**.
- Tip the seat back and unplug the wire harness connectors from the floor to the seat.
- Remove seat from vehicle. Best to have two people do this to prevent the seat rails/feet from scratching the vehicle. It is also helpful to remove the headrest before removing the factory seat.
- Since the FJ Cruiser did not come with factory heated seats, install scheel-mann supplied harness into truck (see scheel-mann installation instructions). Leave enough harness to match factory length.

## DRIVER SEAT DISASSEMBLY

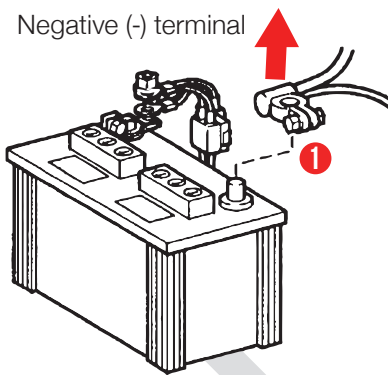
- Remove the sliding rail handle from the front of the rails by prying the springs away at the rear and pulling the handle forward.
  - Remove plastic side trim by removing the screws and clips. Carefully remove harness connectors from their mounts using a small screwdriver or pick tool to pry up the locking tabs.
  - Remove all T40 Torx bolts from side rails.
  - Remove any clips retaining the wires to the old seats.
  - Remove plastic seat rail plastic end caps.
- (See illustration #2)

The parts that will be reused are the left and right side sliding rail assemblies, the seat wiring harness, the sliding rail release handle, and the seatbelt assembly and bracket. **Do not throw any parts away until the install is complete. Contact your local authorities about proper airbag disposal.**

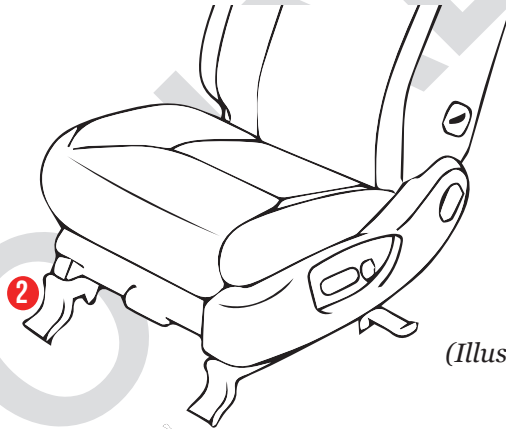
<https://www.epa.gov/hw/frequent-questions-about-regulation-airbag-waste>

## DRIVER SEAT INSTALL

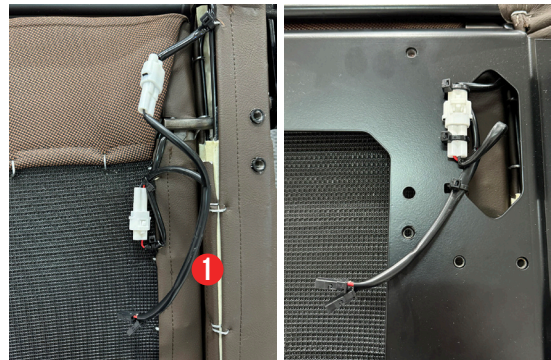
- Plug the supplied heater extension harness **1** into the two heater connectors on the bottom of the scheel-mann® seat. (See illustration #3)
- Using the knob at the front of the seat **2**, move the seat bottom forward and backwards to check for travel of the harnesses and secure the harness to the bottom of the seat with the supplied zip-ties, seat bottom wire to seat bottom, so that there is no pulling or binding. (See illustration #4)



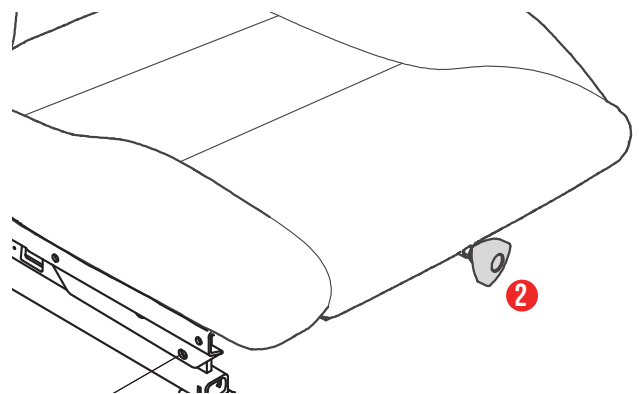
(Illustration #1)



(Illustration #2)



(Illustration #3)



(Illustration #4)



You have the opportunity to Install the seat in a stock position “S” **3** or a tall position “T” **4**. Anyone over 6’ 2” should consider using the “tall” position, as well as anyone planning on mounting something under the seat that needs access from the front. Make sure you have the pan oriented correctly. On each side of the pan, two of the three holes at the rear will be utilized and one of the two holes at the front (near the “S” and “T”) will be utilized.

(See illustration #5)

- Using (6) M8 x 16 flange bolts **5**, apply a small amount of Loctite® on the threads, attach the Tolerance STACK seat pan **6** to the bottom of the scheel-mann® seat **7**. Using the included 5mm ball and socket tool, torque all these bolts to **18ft-lbs**.

(See illustration #6)

**NOTE: as you install the right hand/inboard sliding rail to the seat pan, be sure to route the seat belt wire under the side of the pan and over the low spot in the sliding rail.**

- Using (1) M8 x 20 bolt at the front **8**, (2) M8 x 25 bolts and (2) M8 nuts at the rear **9**, secure the pan to the inboard sliding rail **10**. The two bolts at the rear will each go through an M8 washer, the seatbelt bracket **11**, the seatbelt spacer **12**, the seat pan, and then into the fixed nuts on the sliding rail. The M8 bolt at the front will go through an M8 washer, the seat pan, the sliding rail, another M8 washer, and then into the supplied M8 nut.

- Place a small amount of Loctite® on the bolt threads and torque to **18ft-lbs**.

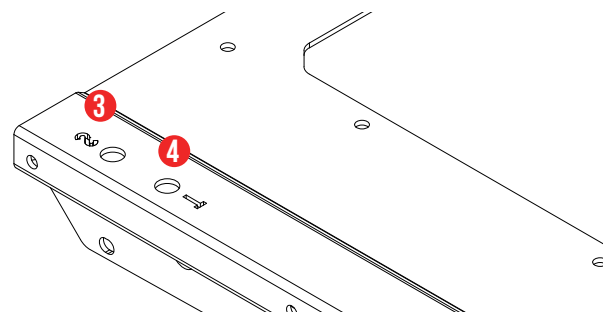
(See illustration #7)

- Repeat the process with the left hand/outboard sliding rail using (3) M8 x 20 bolts. All bolts will get a small amount of Loctite® on the threads and get torqued to **18ft-lbs**. The two bolts at the rear will each go through a washer, the seat pan, and into the fixed nuts on the sliding rail. The bolt at the front will go through a washer, the seat pan, sliding rail, another washer, and into the included nut.

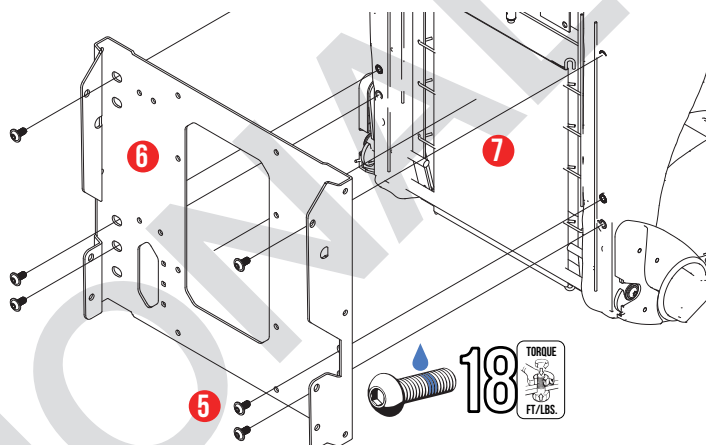
- Using (2) M6 x 10mm bolts and (2) M6 washers, mount the harness bracket to the pan and mount seat harnesses and airbag proxy to the bracket, secure wires away from moving parts.

- Reinstall the sliding rail handle **13** into the sockets from the front of the seat. The bend on the handle is meant to go up, but this can be installed upside down and/or bent to gain some more clearance and access under the front of the seat. A new groove can be cut opposite the existing groove for the retention spring if you flip it over.

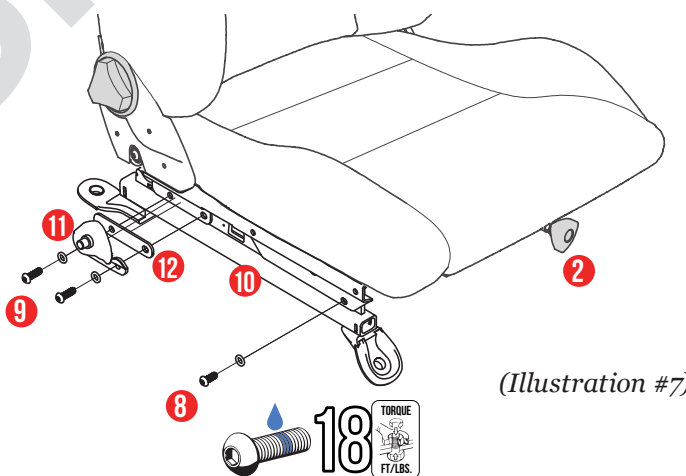
(Illustration #8)



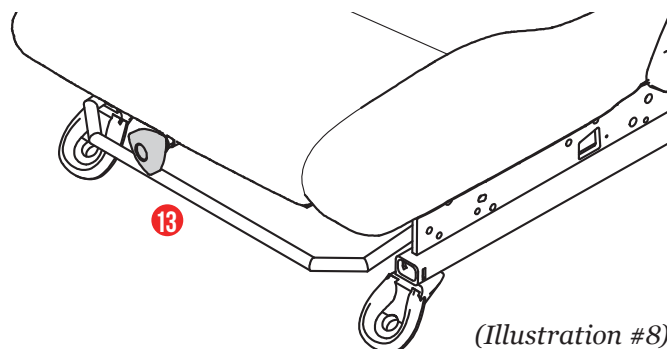
(Illustration #5)



(Illustration #6)



(Illustration #7)



(Illustration #8)

## SEAT HEATERS

Since the FJ Crusier doesn't have factory heated seats you will route the extension harness from the seat down to the rest of the OEM Toyota seat harness and secure with a zip tie so it is accessible from the bottom of the seat. This should be done with the seat bottom adjusted all the way to the rear to prevent the seat pulling on the harness.

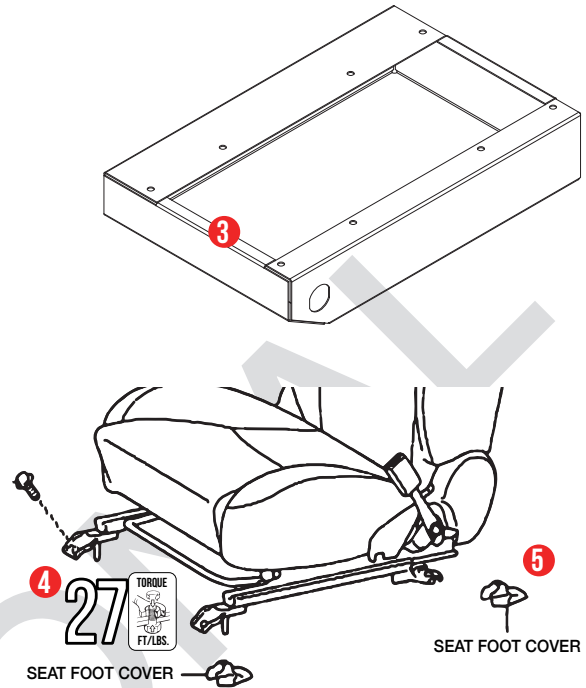
If you have a storage box **3** this is a good time to install it. The storage box will require flipping the seat bottom up to access the hardware from above.

Install the new seat into the truck, using two people, by placing it in its location, connecting the wire harnesses from the floor to the seat, and reinstalling the four mounting bolts into the floor. Torque the bolts to **27ft-lbs** **4**. Reattach the plastic seat foot cover **5**, which may need to be modified. (See illustration #9)

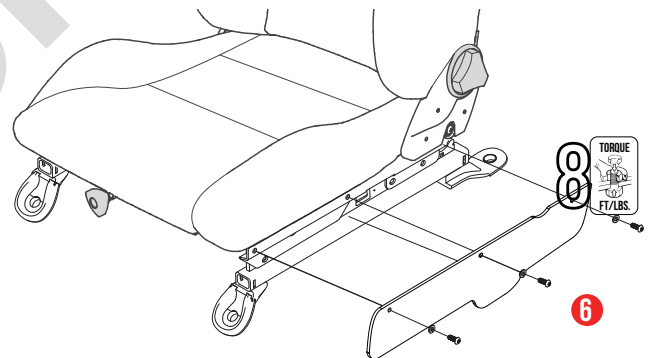
Install side trim panel **6** using (3) M6x16 bolts and washers. Torque to **8ft-lbs (96in-lbs)**. (See illustration #10)

See Scheel-Mann instructions for installing the included heater harness.

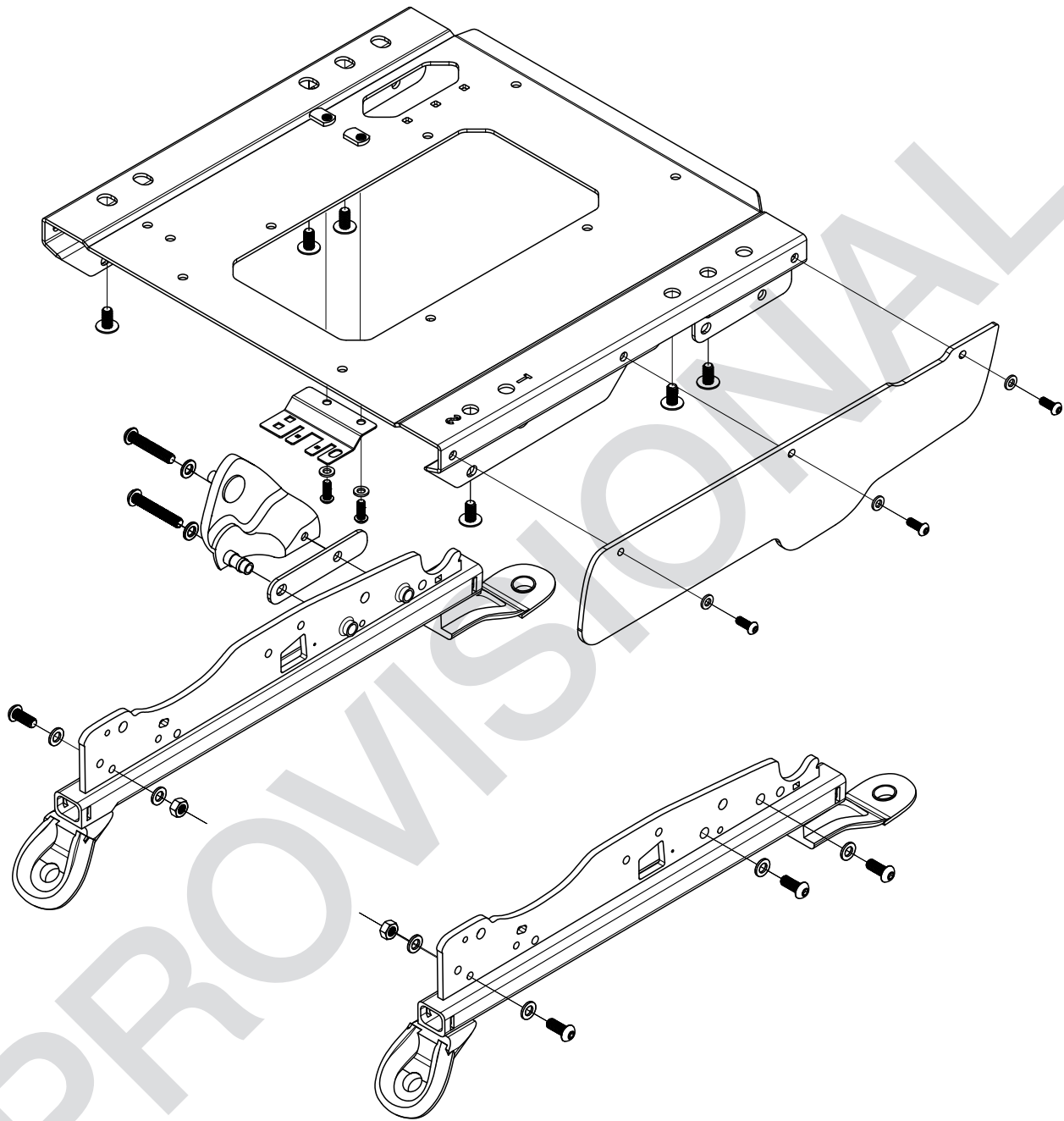
- Once complete reconnect the battery and test all systems and verify there are no system alerts and verify that the seat heaters are functional.



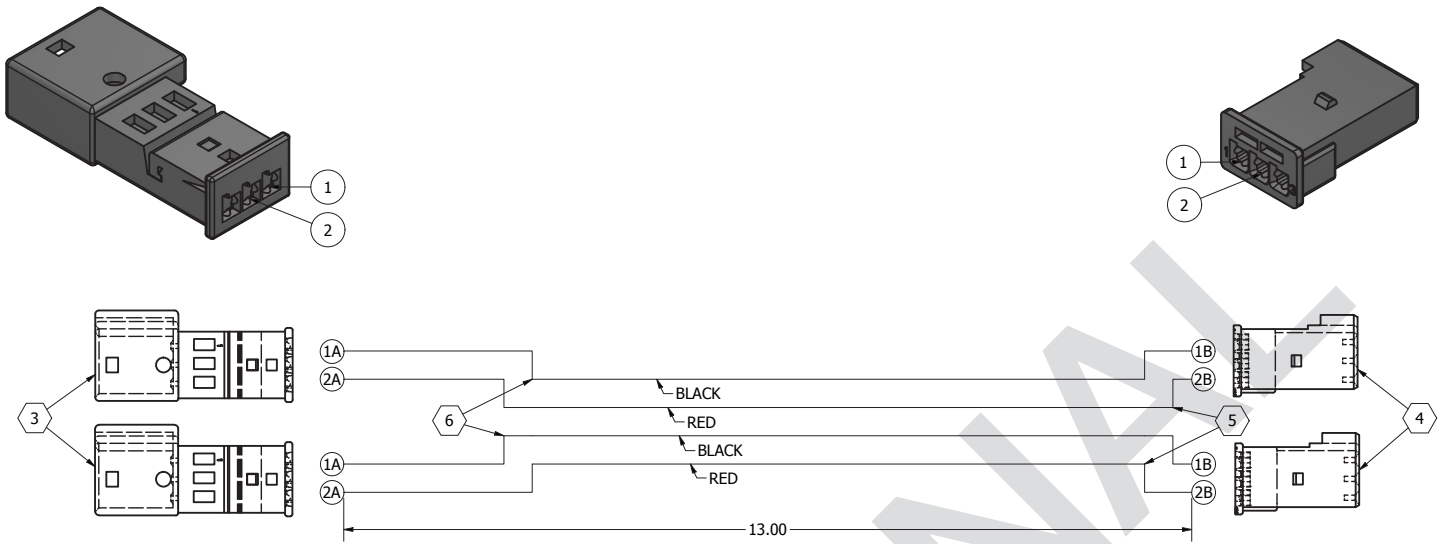
(Illustration #9)



(Illustration #10)



## HEATER EXTENSION HARNESS





**Contact your local authorities about proper airbag disposal:**

<https://www.epa.gov/hw/frequent-questions-about-regulation-airbag-waste>

By purchasing this product, the buyer acknowledges and agrees that the use of the product is at their own risk. Tolerance Stack shall not be held liable for any damages, whether direct or indirect, arising from the use of this product. This includes, but is not limited to, any injury, loss, or damage resulting from incorrect use or misuse of the product.

The purchaser is responsible for thoroughly reading and understanding all instructions, warnings, calibrations, and usage guidelines provided with the product. Installation should be performed by a qualified professional. The calibration of the SRS system must be ensured for proper operation. Tolerance Stack makes no warranties, either expressed or implied, regarding the merchantability or fitness of the product for any particular purpose.

By completing the purchase, the buyer acknowledges and agrees to these terms.

scheel-mann® and Loctite® are  
both registered trademarks for their  
corresponding company

## HOLD HARMLESS AND INDEMNIFICATION AGREEMENT

This **HOLD HARMLESS AND INDEMNIFICATION AGREEMENT** (the "Agreement") becomes effective upon purchase, download, installation, or use of Tolerance Stack products by the Purchaser/Installer (the "Indemnifier") and Tolerance Stack (the "Indemnitee"). The Indemnitee and Indemnifier may be referred to individually as the "Party", or collectively, the "Parties".

### RECITALS

**WHEREAS**, the Indemnifier desires to purchase and install seat brackets manufactured by Tolerance Stack and acknowledges the inherent risks associated with vehicle modification;

**WHEREAS**, the Indemnifier desires to hold harmless and indemnify the Indemnitee from all liabilities, losses, claims, judgments, suits, fines, penalties, demands or expenses that may result from the Activity defined herein; and

**WHEREAS**, Indemnitee requires comprehensive protection against all liabilities that may result from the Indemnifier's participation in the Activity.

**NOW, THEREFORE**, in consideration of the premises and the mutual covenants and agreements set forth herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby agree as follows:

### SECTION 1: DEFINITIONS AND INTERPRETATIONS

**1.01** Words in the singular shall include the plural and vice versa.

**1.02** A reference to one gender shall include a reference to the other genders.

**1.03** A reference to writing or written includes e-mail and electronic communication.

**1.04** Any obligation in this Agreement on a Party not to do something includes an obligation not to agree or allow that thing to be done.

**1.05** Any phrase introduced by the terms "including", "include", "in particular" or any similar expression shall be construed as illustrative and shall not limit the sense of the words preceding those terms.

**1.06** References to sections or clauses are to the sections or clauses of this Agreement.

**1.07** "Activity" shall mean: Purchase, installation, use, modification, maintenance, or any interaction with Tolerance Stack seat brackets and related mounting hardware.

**1.08** "Product" shall mean all seat brackets, mounting hardware, and related components manufactured or sold by Tolerance Stack.

**1.09** Indemnitee's Participation: The Indemnitee's involvement in the Activity, including but not limited to manufacturing, designing, marketing, selling, providing instructions, customer support, and any related business activities.

## SECTION 2: ASSUMPTION OF RISK

**2.01 Acknowledgment of Risk:** Indemnifier acknowledges and voluntarily assumes all risks associated with the Activity, including but not limited to:

- Improper installation or use of the Product
- Vehicle incompatibility or modification conflicts
- Alteration of vehicle safety systems
- Potential injury or property damage
- Compliance with applicable laws and regulations

**2.02 Professional Installation:** Indemnifier acknowledges that professional installation by qualified technicians is recommended. Self-installation is undertaken at Indemnifier's sole risk and responsibility.

**2.03 Compliance Responsibility:** Indemnifier certifies compliance with all applicable federal, state, and local laws regarding vehicle modification and assumes full responsibility for legal compliance.

## SECTION 3: INDEMNIFICATION

**3.01 Comprehensive Indemnification:** To the fullest extent permitted by applicable law, the Indemnifier will defend, hold harmless, and indemnify the Indemnitee against any and all claims, actions, liabilities, losses, damages, costs, and expenses (including reasonable attorney's fees) arising out of or related to:

- The Indemnifier's participation in the Activity
- Use, installation, modification, or maintenance of the Product
- Any breach of this Agreement by Indemnifier
- Any injury to persons or damage to property resulting from the Activity
- Any violation of applicable laws or regulations

**3.02 Limited Exceptions:** Indemnifier's obligations under Section 3.01 shall not apply only in cases where a court of competent jurisdiction determines by final, non-appealable judgment that damages were caused solely by the gross negligence or willful misconduct of the Indemnitee.

**3.03 Presumption of Good Faith:** Indemnitee's compliance with applicable industry standards, manufacturer specifications, and legal requirements shall create a rebuttable presumption that Indemnitee acted in good faith and in a reasonable manner.

**3.04 Proportional Liability:** If Indemnitee's conduct contributes to any loss or damage, Indemnifier's liability shall only be reduced if Indemnitee's comparative fault exceeds twenty-five percent (25%) of the total fault, and in no event shall such reduction exceed fifty percent (50%) of the total indemnification obligation.

## SECTION 4: CLAIMS PROCEDURES

**4.01 Immediate Notice:** Indemnifier must provide written notice to Indemnitee within ten (10) days of learning of any claim, lawsuit, or potential liability. Failure to provide timely notice may release Indemnitee from indemnification obligations.

**4.02 Settlement and Defense:** Indemnitee may, at its sole discretion, assume control of the defense and settlement of any claim. Indemnifier shall not settle any claim without Indemnitee's prior written consent.

**4.03 Cooperation:** Both Parties agree to cooperate fully in the defense of any claim, including providing all necessary information, documents, and testimony.

## SECTION 5: LIABILITY LIMITATIONS

**5.01 Damage Cap:** To the maximum extent permitted by law, Indemnatee's total liability under any theory shall not exceed the purchase price paid for the Product.

**5.02 Consequential Damages:** In no event shall Indemnatee be liable for any indirect, incidental, special, consequential, or punitive damages.

**5.03 Product Modification:** Any modification, alteration, misuse, or use contrary to specifications voids all warranties and releases Indemnatee from any liability or indemnification obligations.

## SECTION 6: INSTALLATION AND USE REQUIREMENTS

**6.01 Specification Compliance:** Indemnifier warrants that installation and use will be performed strictly according to manufacturer specifications and industry standards.

**6.02 Qualified Installation:** If self-installing, Indemnifier warrants possession of adequate skill, knowledge, and tools to perform installation safely and correctly.

**6.03 Inspection Responsibility:** Indemnifier accepts responsibility for regular inspection and maintenance of installed Products.

## SECTION 7: DISPUTE RESOLUTION

**7.01 Expedited Procedures:** Any dispute shall first be subject to expedited mediation. If unsuccessful, disputes shall proceed to binding arbitration under American Arbitration Association rules.

**7.02 Fee Shifting:** The unsuccessful party in any dispute resolution proceeding shall pay all costs and reasonable attorney's fees of the prevailing party.

**7.03 Injunctive Relief:** Indemnatee reserves the right to seek immediate injunctive relief in court for urgent matters affecting safety or intellectual property.

**7.04 Statute of Limitations:** Any claim must be brought within one (1) year of the date the claim arose or could reasonably have been discovered.

## SECTION 8: MISCELLANEOUS

**8.01 Authority:** Each Party represents and warrants they are duly authorized to execute this Agreement and that it constitutes a valid, binding obligation.

**8.02 Amendment:** This Agreement may only be modified by written amendment signed by both Parties.

**8.03 Entire Agreement:** This Agreement constitutes the complete agreement between the Parties, superseding all prior agreements and understandings.

**8.04 Enhanced Severability:** If any provision is deemed invalid or unenforceable, it shall be modified to the minimum extent necessary to make it enforceable while preserving the maximum protection for Indemnatee. The remainder of the Agreement shall remain in full force and effect.

**8.05 Governing Law:** This Agreement shall be governed by the laws of the State of Wyoming, without regard

to conflict of law principles. Oregon courts shall have exclusive jurisdiction over any disputes.

**8.06 Venue:** Any legal proceedings shall be brought exclusively in Jackson County, Oregon, which is the principal place of business for Tolerance Stack.

**8.07 Successors and Assigns:** This Agreement shall be binding upon successors and assigns of both Parties.

**8.08 Force Majeure:** Neither party shall be liable for delays or failures caused by circumstances beyond their reasonable control.

**8.09 Notice:** All notices shall be in writing and delivered by certified mail, return receipt requested, or by email with delivery confirmation.

**8.10 Survival:** The indemnification, liability limitation, and dispute resolution provisions shall survive termination of this Agreement.

**8.11 Multiple Counterparts:** This Agreement may be executed in counterparts, including electronic signatures, each of which shall constitute an original.

#### ACKNOWLEDGMENT AND ACCEPTANCE

BY PURCHASING, DOWNLOADING, INSTALLING, OR USING TOLERANCE STACK PRODUCTS, YOU ACKNOWLEDGE HAVING READ, UNDERSTOOD, AND AGREED TO BE BOUND BY ALL TERMS OF THIS AGREEMENT.

YOU FURTHER ACKNOWLEDGE UNDERSTANDING THE RISKS INVOLVED AND VOLUNTARILY ASSUME ALL SUCH RISKS.

THIS AGREEMENT IS BINDING UPON PURCHASE OR USE OF THE PRODUCT.

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**CRITICAL NOTICE:** This Agreement contains important legal obligations including assumption of risk, indemnification, and liability limitations. Consult with legal counsel if you have questions about your rights and obligations under this Agreement.

**RETENTION NOTICE:** Save a copy of these terms for your records. This Agreement remains in effect for the duration of your ownership and use of Tolerance Stack products.