



80 Series Installation Manual
scheel-mann Vario F Seat Integration
Driver Side - RHD or LHD (93-97 confirmed)

**TOLERANCE
STACK**

STEP 1

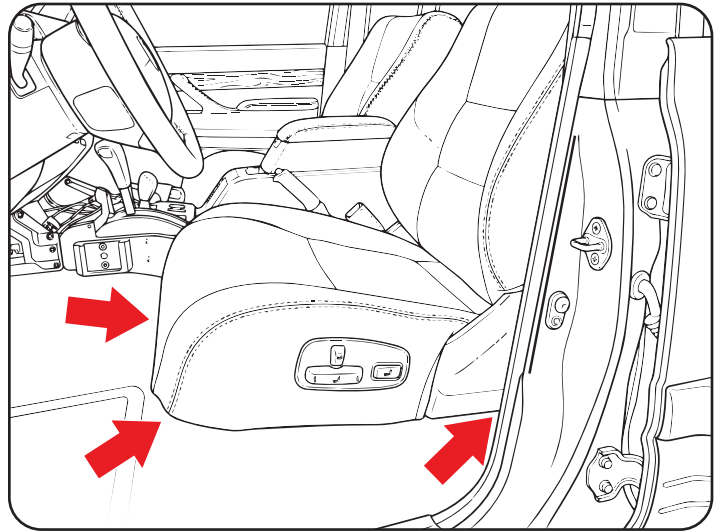
REMOVE DRIVER SEAT

In order to make removing the power seat easier:

- ❑ Move the seat towards the front-middle of it's travel and put the seatback into a more forward position.

Then:

- ❑ Unbolt all four of the 14mm bolts attaching the seat to the floor.
- ❑ Unplug the 6-pin floor connector from the seat
- ❑ Remove seat from the vehicle



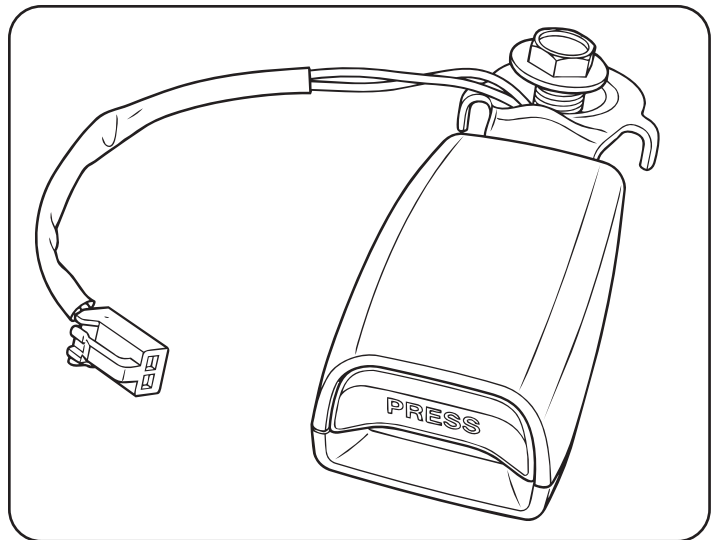
STEP 2

REMOVE SEATBELT BUCKLE

- ❑ Remove the seatbelt buckle from the seat.

NOTE: the driver side seat will have a 2-pin harness that is attached to the buckle. Be sure the buckle and harness comes out in one piece.

- ❑ The OEM seat can be discarded or put on EBAY at this point as nothing else is needed from the old seat.

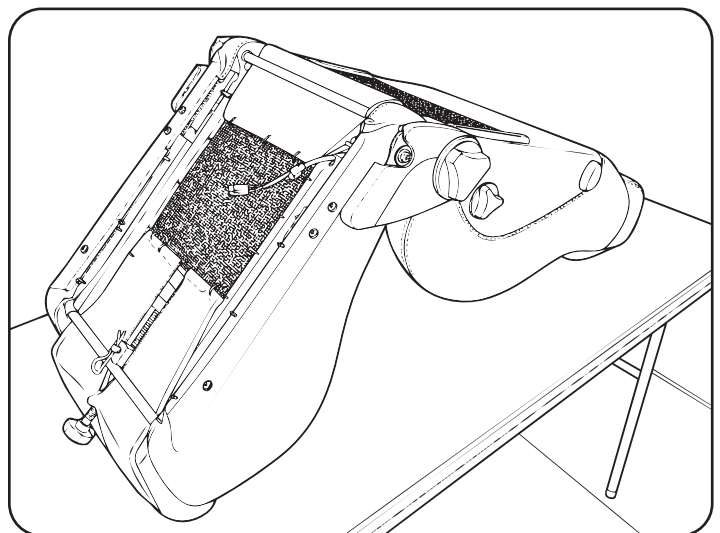


STEP 3

THE SCHEEL-MANN SEAT

- ❑ Remove the scheel-mann seat from the shipping box
- ❑ Remove the protective plastic from the scheel-mann seat
- ❑ Rotate the seatback knob so that the seat folds to a normal seating position
- ❑ Place the scheel-mann seat as shown on a clean table

NOTE: the driver side seat will have a 2-pin harness that is attached to the buckle. Be sure the buckle and harness comes out in one piece.



STEP 4

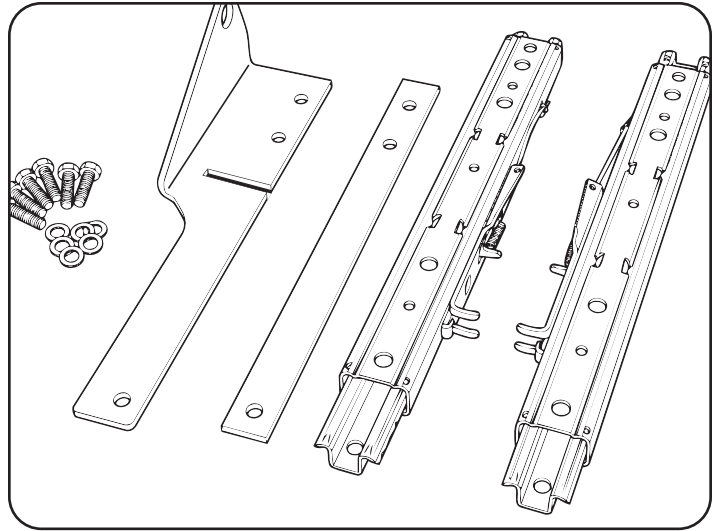
IDENTIFY SLIDERS AND SEATBELT BRACKETS

❑ Be sure you have the correct seatbelt bracket for the correct side of seat you are working with.

NOTE: shown in this image is the US driver's side seat belt bracket.

❑ Be sure you have the spacer needed for the opposite side of the seatbelt bracket

❑ Be sure you have the scheel-mann specific seat rails. This would come from either us, scheel-mann, or whoever your dealer was for the seats.

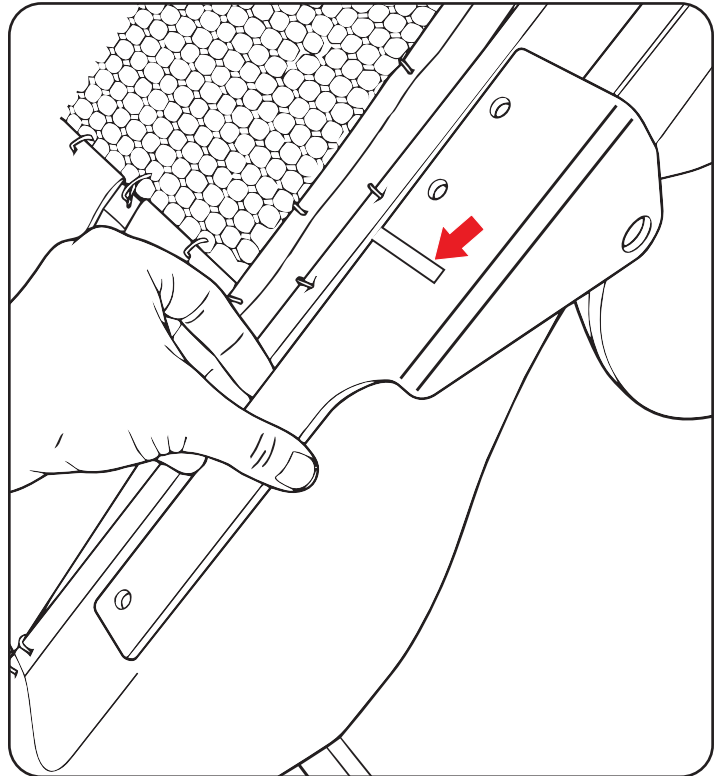


STEP 5

MOUNT SEATBELT BRACKET

❑ Regardless of which seat you are working on, you will need to install the seatbelt bracket on the inside (facing shifter console) of the seat. The holes in the seatbelt bracket will allow the bosses in the bottom of the scheel-mann seat to sit **INSIDE** the hole. This is crucial as it puts the bosses in shear instead of just the bolts.

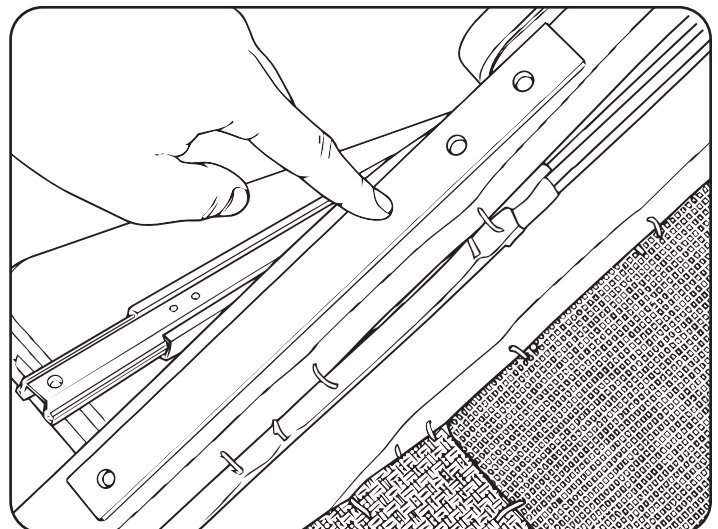
You will also notice there is a slot in the bracket (arrow). Run the seatbelt harness thru this **BEFORE** attaching to the seat.



STEP 6

MOUNT SEATBELT BRACKET SPACER

❑ The spacer bracket goes onto the other side of the seat on the remaining three bosses. The spacer bracket always faces the door. Both the seatbelt bracket and the spacer should stay in place so long as the seat is laying face down.

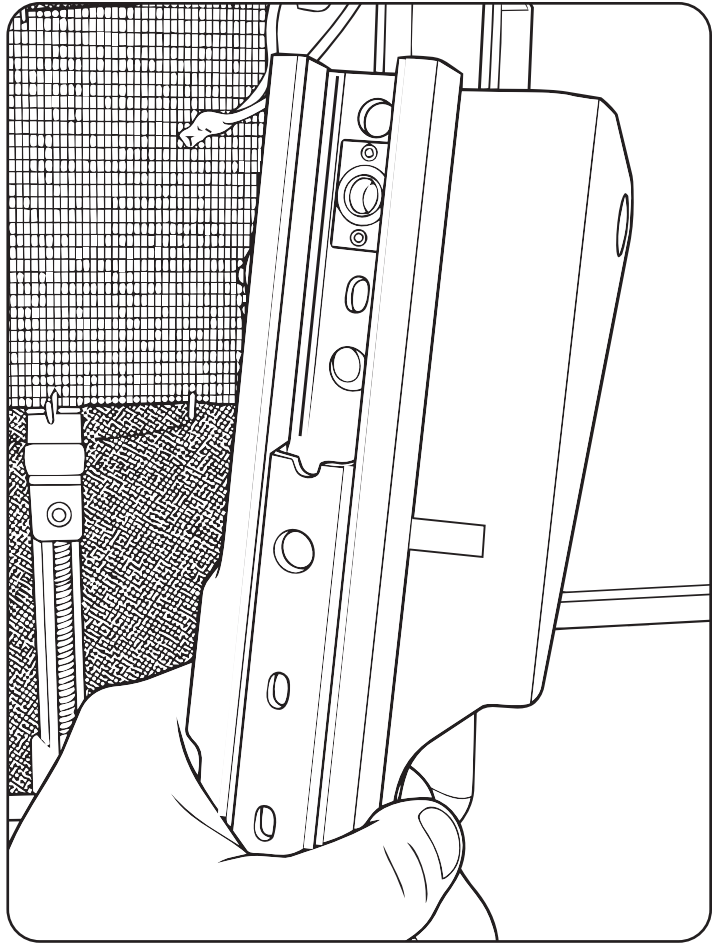


STEP 7

MOUNT SEAT RAILS

- ❑ Prepare to mount each of the seat rails to seat bottom

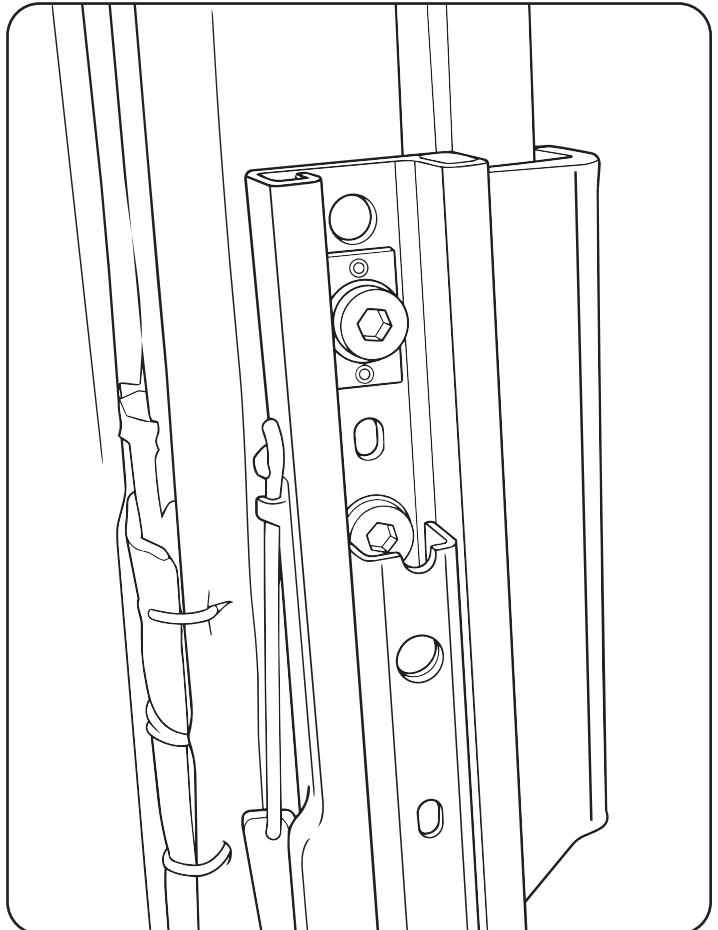
- ❑ Mount all three scheel-mann supplied seat mounting bolts into the rail from the underside of the rail. Be sure you are sandwiching the seatbelt bracket/seatbelt spacer to the seat.



STEP 8

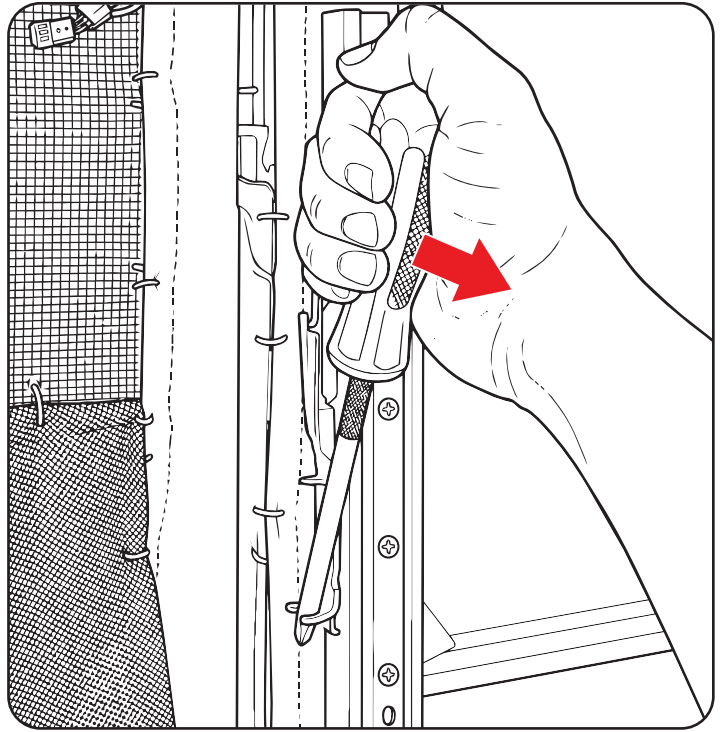
BOLT DOWN SEATBELT BRACKET/SPACER

- ❑ Mount all three scheel-mann supplied seat mounting bolts into the rail from the underside of the rail. Be sure you are sandwiching the seatbelt bracket/seatbelt spacer to the seat.



RAIL ADJUSTMENT

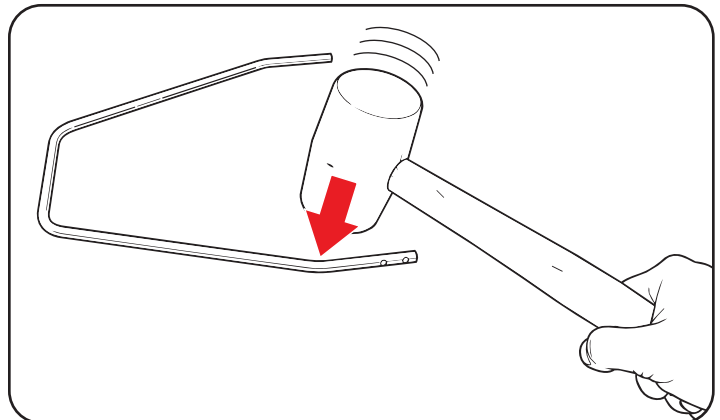
❑ Using a large Phillips screwdriver, place the end into the fork in the rail's handrail mount, and pull out to release the rail's locking mechanism. This will allow the rail to slide up and down to gain access to all of the mounting rails on the rail.



STEP 9

FLATTEN HANDLE

❑ The scheel-mann slider handle may come shipped with a 15° angle in it from the factory. If your handle does have that angle then use a RUBBER mallet to tap the peaks of the bends so that the handle is as flat as possible.

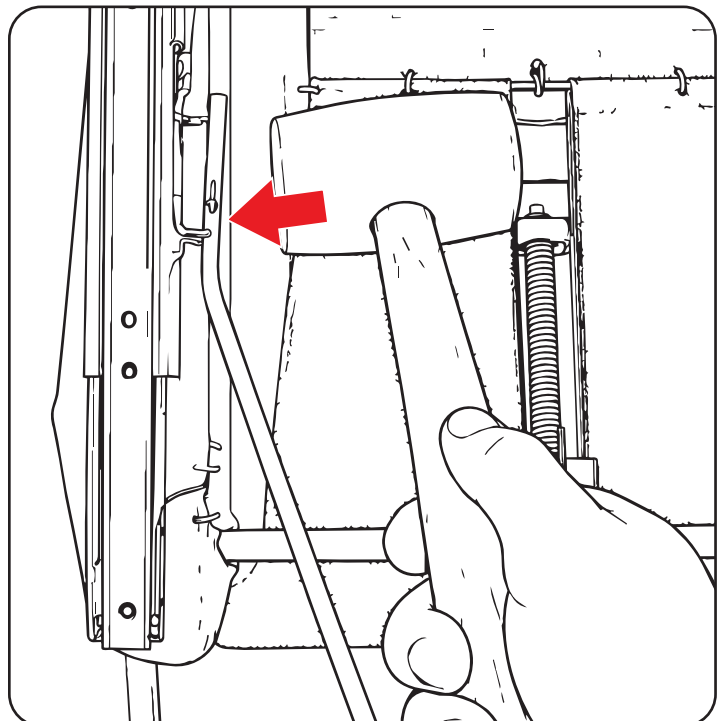


STEP 10

INSTALL HANDLE

❑ Using the same rubber mallet, position the handle so that it sits like a "V" (with the bottom of the V facing the front of the seat). You will locate the fingers where the handle goes and the there is protrusion in the rail that sits INTO a hole in the handle. You will use the mallet ti tap the handle into place.

NOTE: there are two positions for the handle. You can decide if you want the handle further forward or further back.

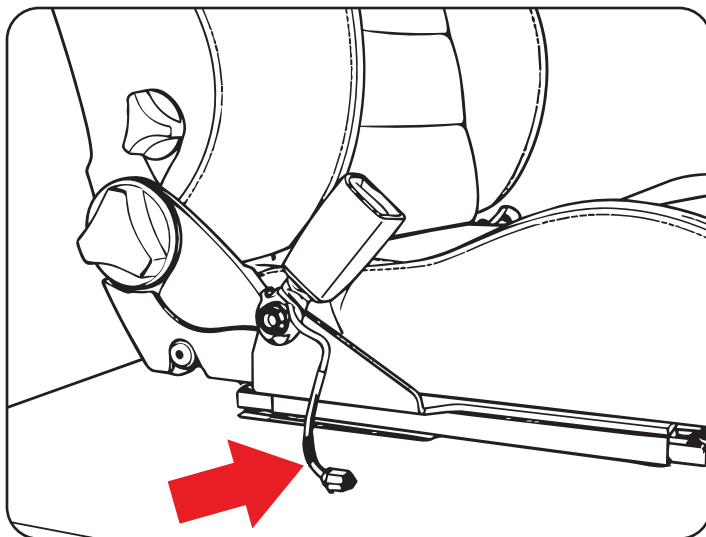


STEP 11

ATTACH SEATBELT BUCKLE

❑ Using your OEM 80 Series seatbelt hardware, and our supplied yellow zinc nut, attach the seatbelt buckle to the seatbelt mount.

NOTE: if you see the seatbelt harness at this point it means you did not run the harness in the split in the seatbelt bracket before the sliders went on. You don't have to undo everything at this point. You can just run it as is with no issues. Its just cleaner the other way.

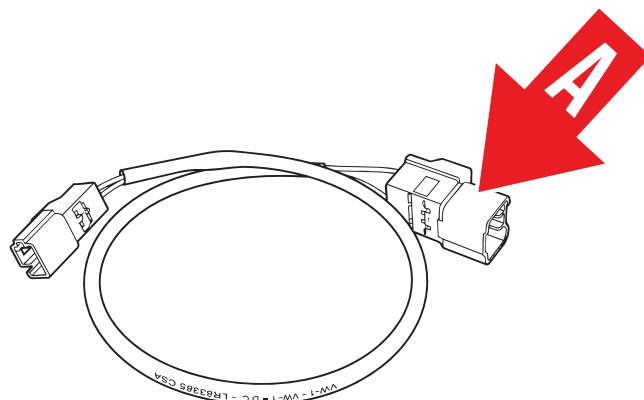
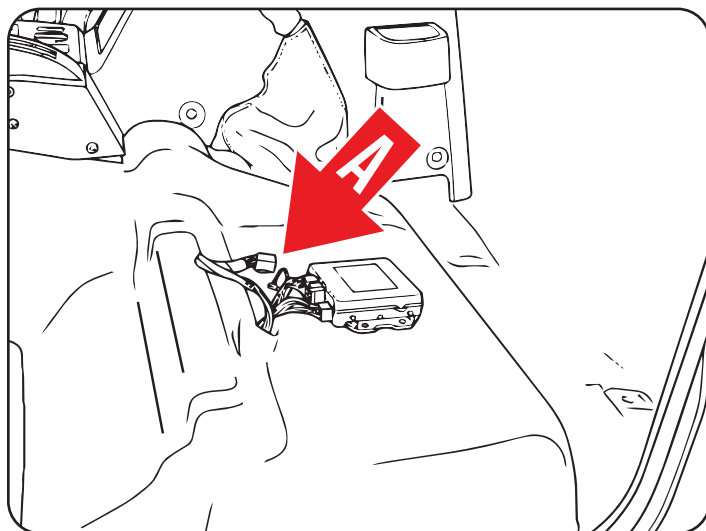


STEP 12

CONNECT FLOOR HARNESS EXT (if needed)

❑ If you find that your 6-pin floor harness (power seat models only) is not long enough to connect to the seat belt harness during full seat travel, you can connect SIDE A (6-pin) of the extension harness to the floor harness.

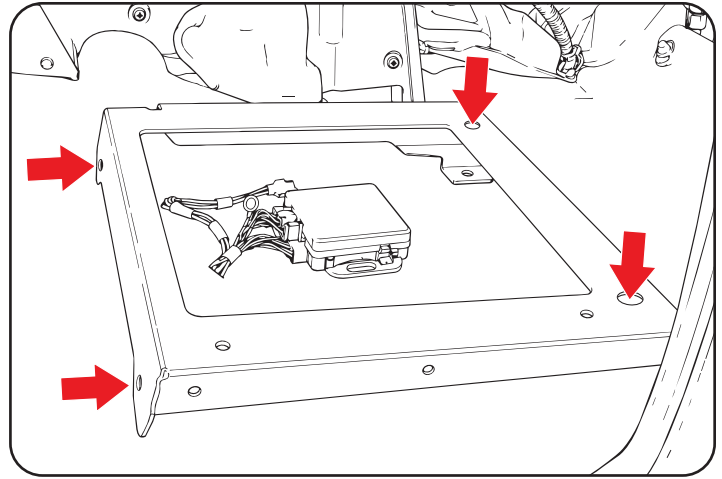
NOTE: manual seat 80 Series do not have this harness.



STEP 13

MOUNT SEAT BRACKET

- ❑ Place the Tolerance Stack 80 Series seat mount into place visually lining up the four mounting holes.
- ❑ Reusing your original OEM seat mount bolts, loosely connect the front two mounting points.
- ❑ Using the tool access holes for the rear, guide the rear bolts into place using a 14mm socket with an extension.
- ❑ Tighten all four bolts down.
- ❑ Torque to **27 ft.lb.**

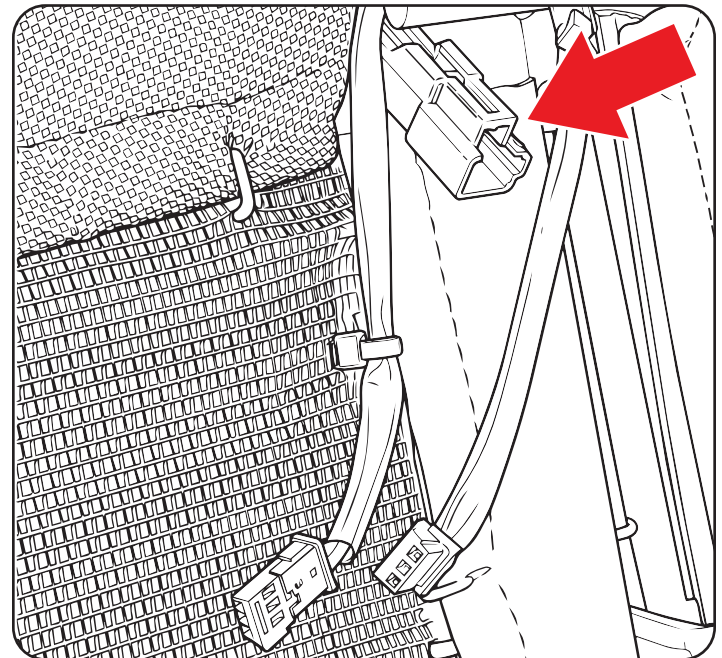


STEP 15

CONNECT SEAT HEATERS

- ❑ Although you can install after the seat is mounted, its generally easier to attach the seat heater connectors onto the seat first before bringing the whole seat to the truck. It doesn't matter which heater plug connects to which.

NOTE: if you see an additional white 2-pin plug installed onto your scheel-mann seat (arrow), you don't use this plug. This is the thermistor plug used in more modern Toyota applications and the 80 Series never used one.



STEP 16

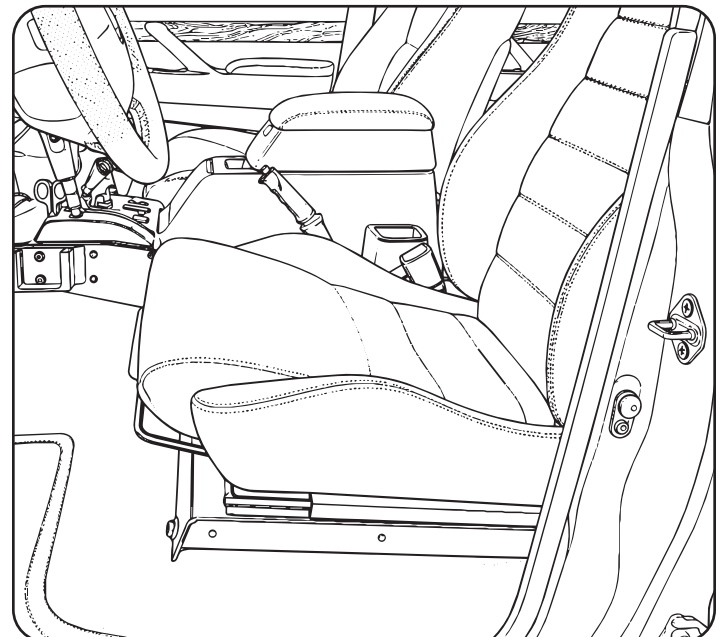
MOUNT SEAT INTO PLACE

- ❑ Carefully place the scheel-mann seat on top of the 80 Series seat mount, visually aligning the mounting holes from the rails to the holes on the seat mount.

NOTE: You may need to use the handrail to slide the rails either all the way forward or all the way back depending on which side you are working with.

- ❑ Using the scheel-mann supplied hardware (small bag of black hardware), you will be using the bolts only to go from the top and into the valley of the sliders. The holes in the sliders will allow the bolts to thread into the welded nuts on the underside of the seat mount.

- ❑ Torque to **18 ft.lb.**

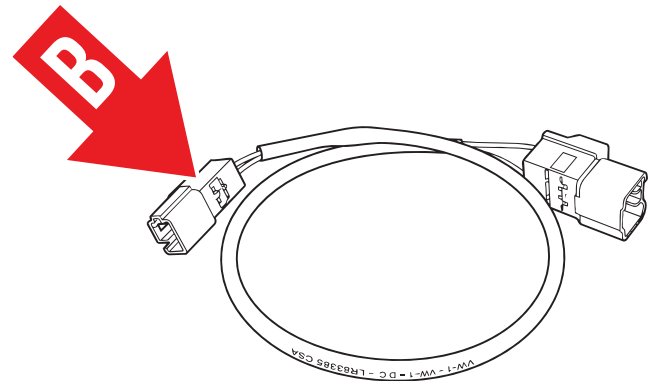
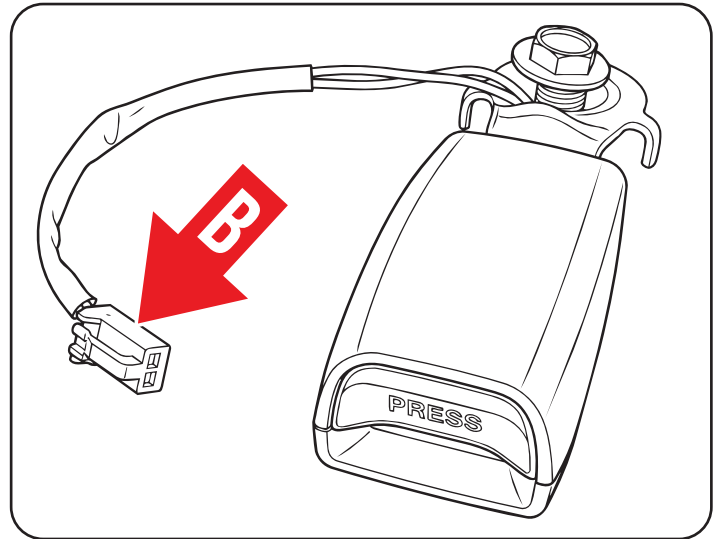


STEP 17

CONNECT SEATBELT HARNESS

□ Reaching underneath the seat, connect the 2-pin seatbelt buckle harness to the other side of the 6-pin floor extension harness.

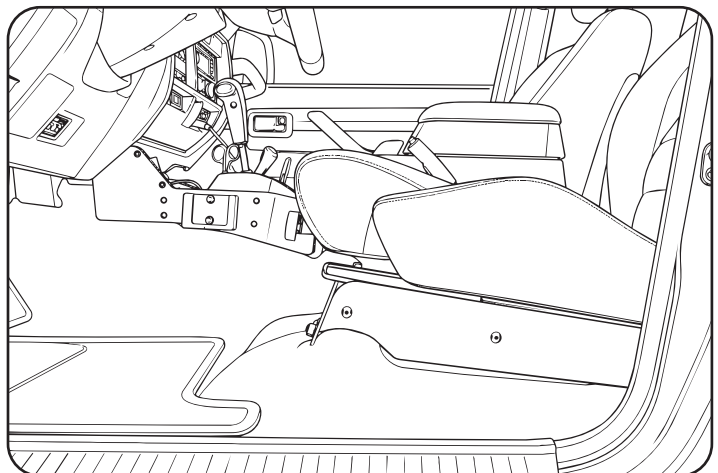
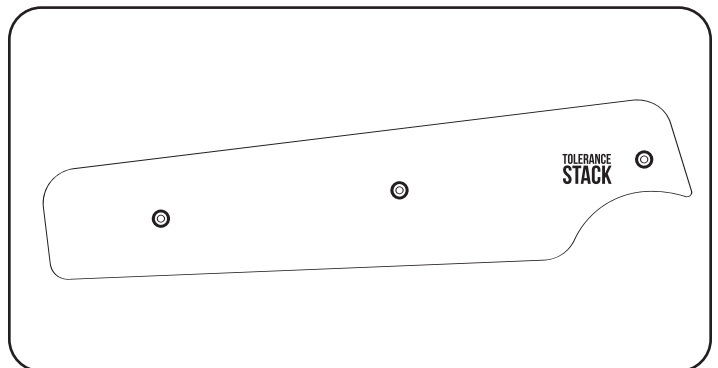
NOTE: Only the driver side seat uses a seat belt harness. The passenger side has no electrical harness and is only the buckle.



STEP 18

ATTACH SIDE PLATE

□ Using the supplied hardware consisting of (3) black M6 countersink bolts, attach the side plate to the three M6 captive nuts on the side of the seat mount. The purpose of this side plate is to close off the remaining opening to the storage area under the seat.



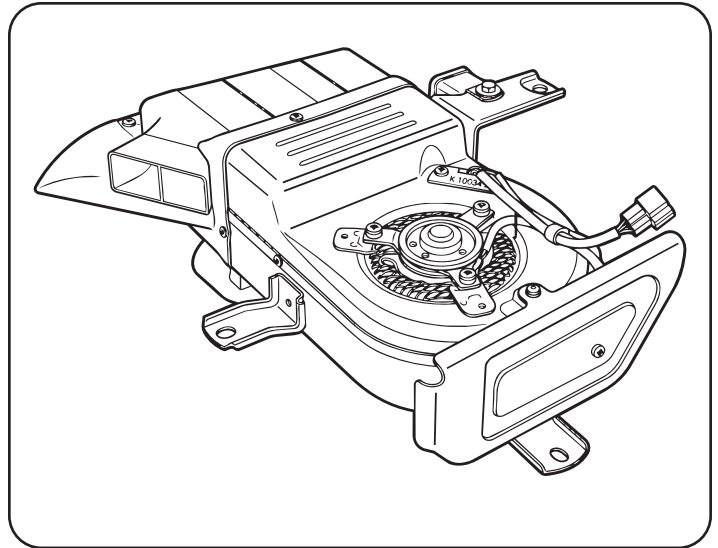
STEP 19

PREPARING FOR THE SCHEEL-MANN HARNESS

❑ When trying to figure out the power and ground for the seat heaters in the new scheel-mann seats, you need to use an ignition + power source. In the seat mount kit is the rear blower bridge harness. In order to plug it in you first need access to the rear blower motor's power plug located under the passenger seat.

❑ Unbolt the passenger seat and tip it back. If you are not removing the seat then you don't need to unplug the seat from the floor harness.

❑ Locate the 3-way power plug coming from the floor harness to the blower motor and disconnect it.

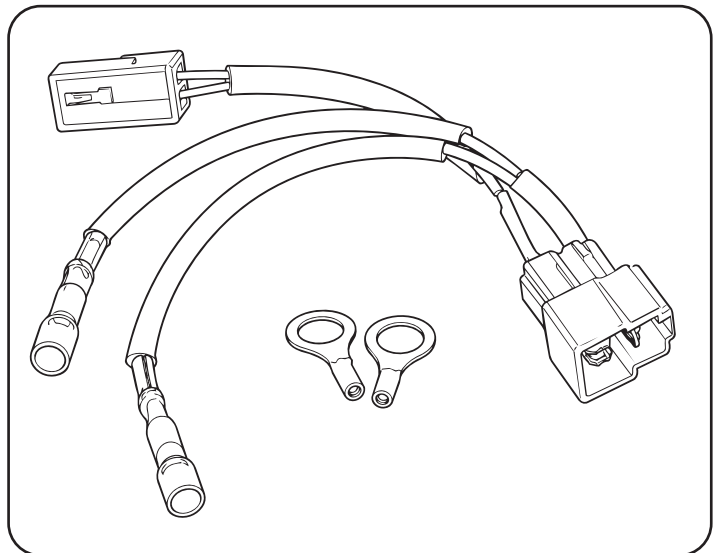


STEP 20

CONNECT POWER HARNESS

❑ On the supplied power supply harness you will be plugging the bridge of the harness in between the two connectors for the blower and the floor. The bridge harness simply connects IN-BETWEEN the separated blower harness.

❑ Once the bridge is plugged in you are left with two hot leads with butt connectors, and two ring terminals. This harness is for BOTH seats. If you are only doing the driver side seat then you are only using ONE of the connectors (it doesn't matter which).



STEP 20

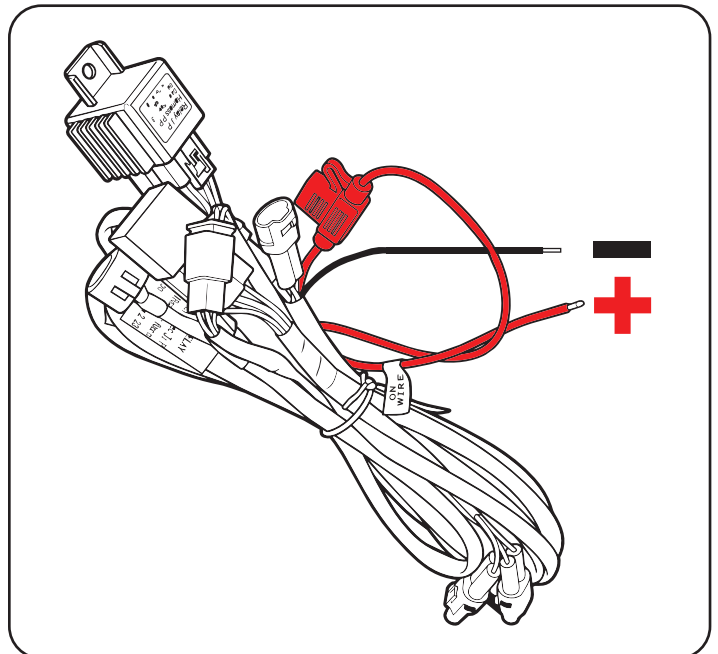
CONNECT POWER HARNESS

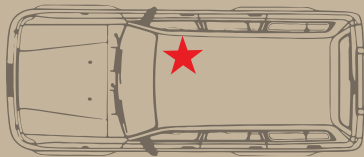
❑ On the scheel-mann supplied harness the only two remaining wires you will need to worry about will be the black ground wire and the red fused IGN+ power wire. The red power wire you will crimp into any one of the butt splice connectors. Then seal the adhesive lined connector with a heat gun to seal.

❑ On the remaining black ground wire, crimp one of the supplied ring terminals and locate a solid ground location along the floor. Secure with an OEM bolt.

❑ Secure all wiring with zip-ties.

❑ Decide location of the seat heater switch and/or the Klima switch for seat venting. Location is a personal choice.

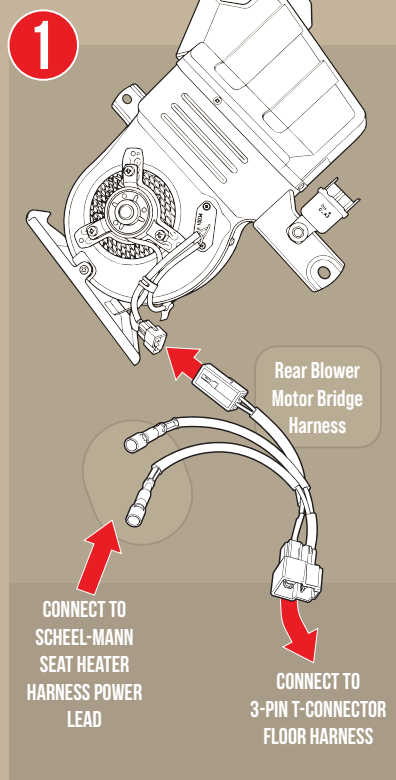




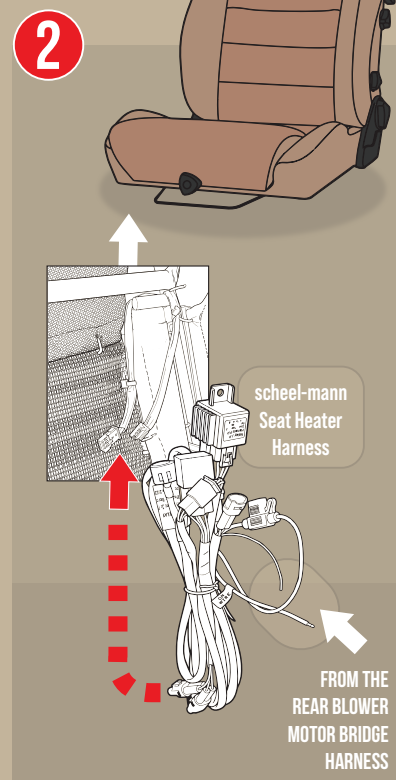
80 SERIES (93-97) SEAT HARNESS QUICK GUIDE

SEAT POWER / GROUND + SEAT BELT HARNESS

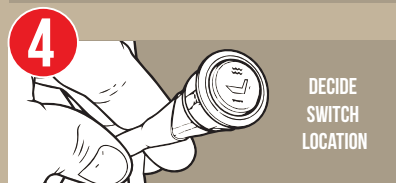
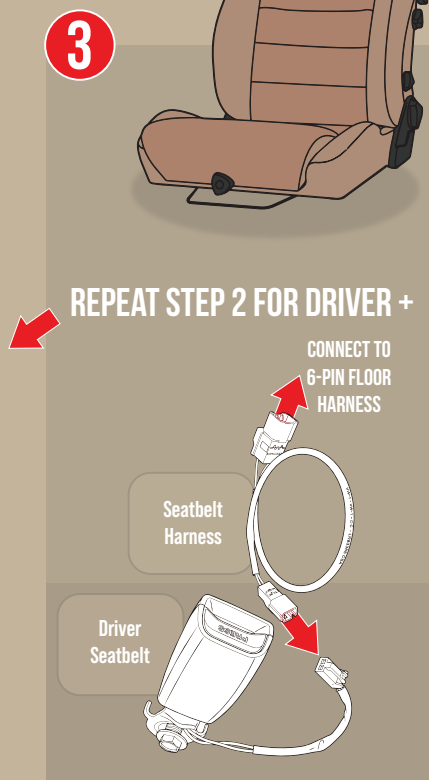
BRIDGE POWER FROM REAR BLOWER MOTOR TO SUPPLY POWER AND GROUND TO BOTH SEAT HEATERS



INSTALL PASSENGER HEATER HARNESS



INSTALL DRIVER HEATER HARNESS PLUS THE SEAT BELT HARNESS



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