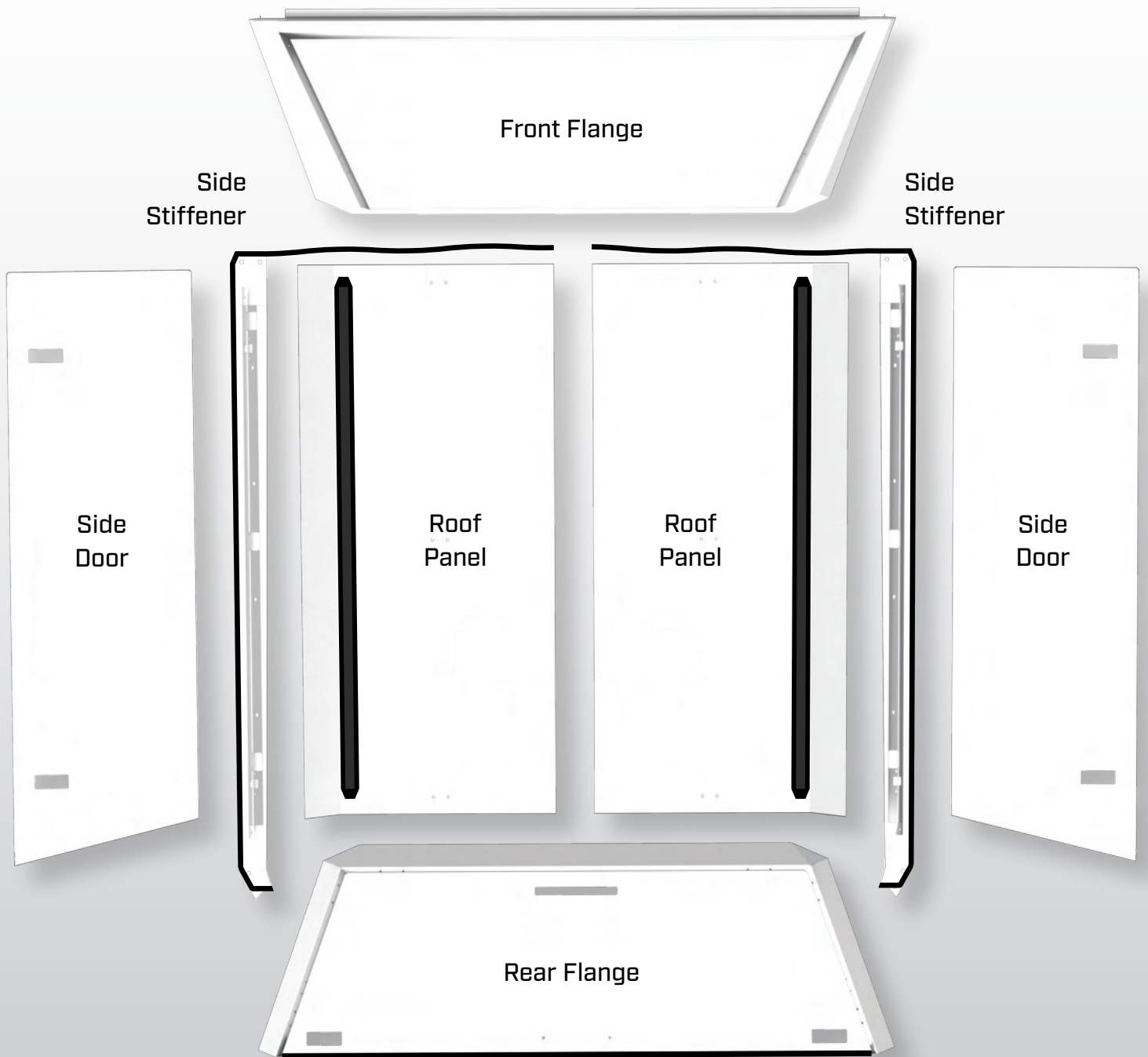


Assembly Guide



COMPONENTS



Inspect each of the components, if any manufacturing imperfections or shipping damages are found, stop the assembly and contact us at support.na@smartcap.com

TOOLS REQUIRED

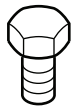
- 10mm & 13mm socket wrench
- 10mm & 13mm combination wrench
- 10mm & 13mm torque wrench
- 5mm allen wrench
- Super glue
- Utility knife
- Scissors
- All-purpose cleaner
- Microfiber rags
- Furniture pad or other soft surface

ASSEMBLY HARDWARE



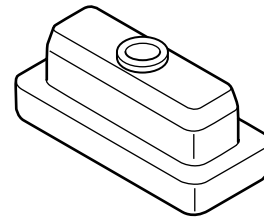
M6 FLAT WASHERS

30
x



M6 BOLT

30
x



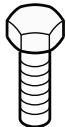
FASTENER BLOCKS

30
x



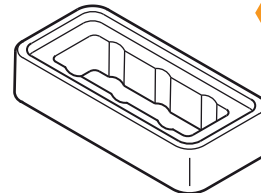
M8 FENDER WASHERS

48
x



M8 BOLT

4
x



FASTENER BLOCK CLAMPS

30
x



SPRING WASHERS

30
x

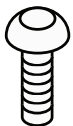


M8 NYLOCK NUTS

24
x

RUBBER GASKET

1x



M8 DOME BOLT

20
x



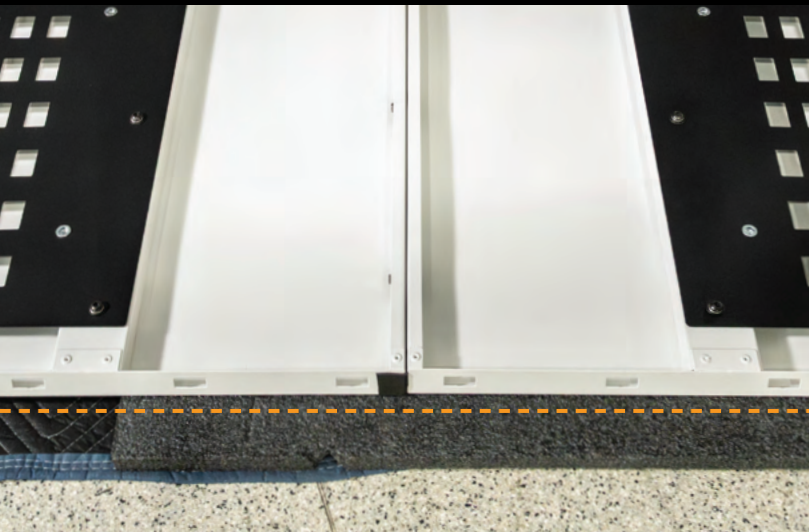
M6 NYLOCK NUTS

12
x



Use only the tools required and the hardware provided in the fitment kit.
Never use acetone or thinners on painted parts.

JOIN THE ROOF PANELS



STEP 1 Level both roof panels and align the cutouts.



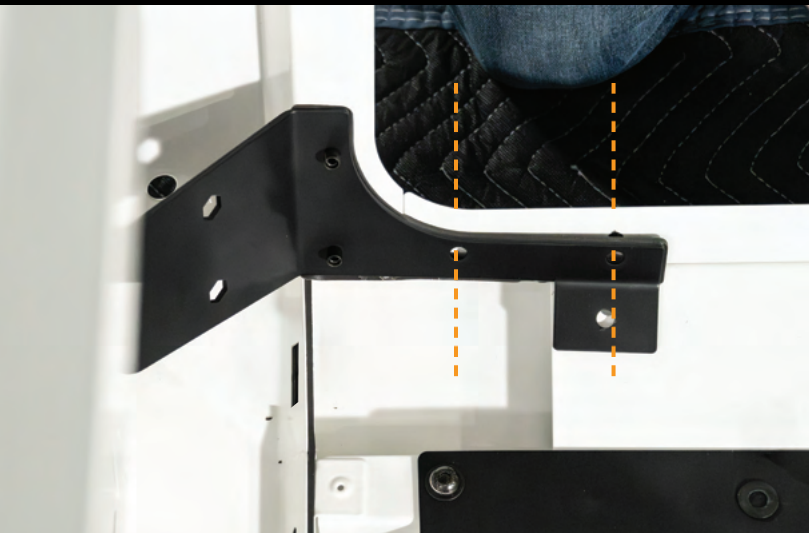
STEP 2 Install fastener blocks into each of the cutouts along the center.



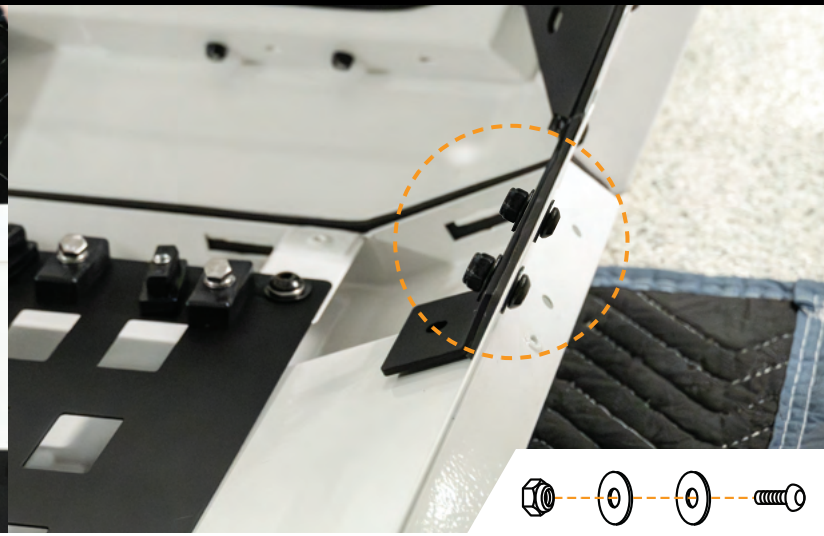
STEP 3 Torque fastener blocks to 5 Nm or **FIRMLY TIGHTEN** ensuring the fastener block does not bow.

Ensure that the roof panels are flush and square.

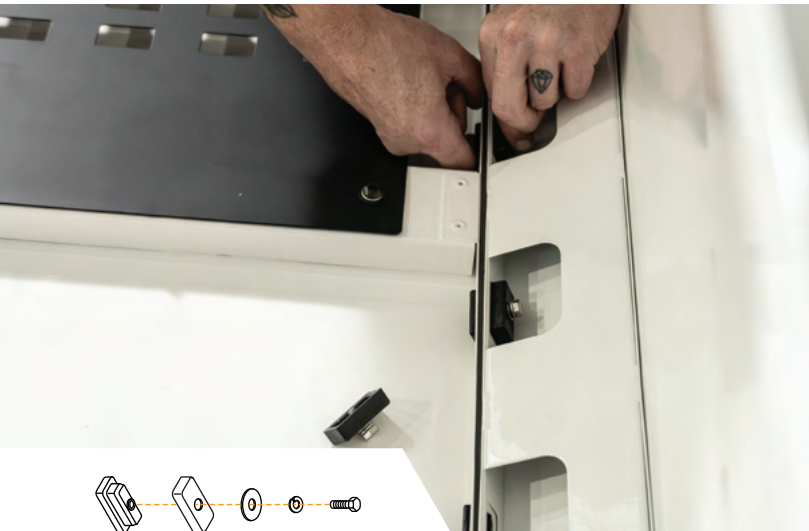
ATTACH THE FRONT FLANGE



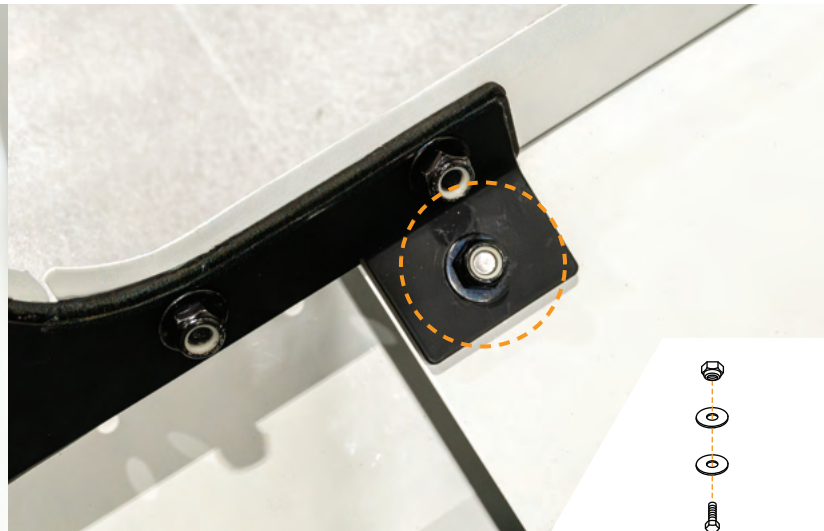
STEP 4 Align the front flange brackets.



STEP 5 HAND TIGHTEN 2x black M8 **dome bolt** stacks into the top two mounting holes on each bracket.



STEP 6 Install fastener blocks into each of the cutouts along the front flange at 5 Nm or **FIRMLY TIGHTEN**.

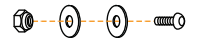


STEP 7 HAND TIGHTEN 1x stainless M8 **hex bolt** stack into the bottom mounting hole on each bracket.

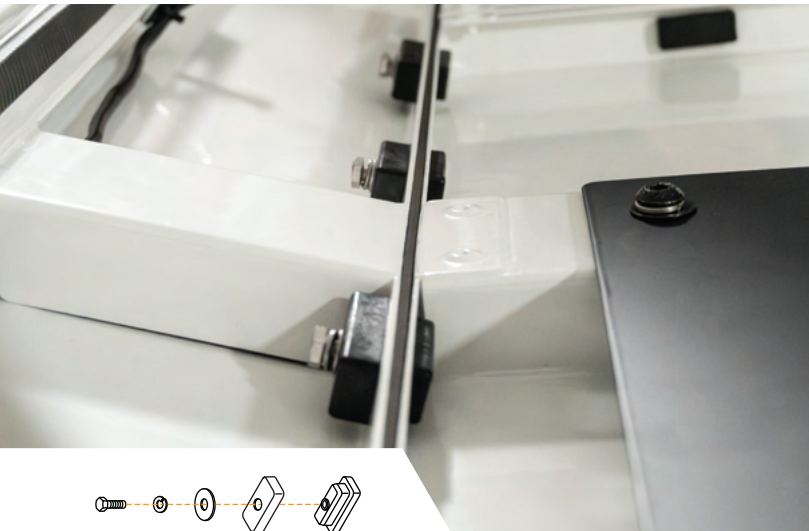
ATTACH THE REAR FLANGE



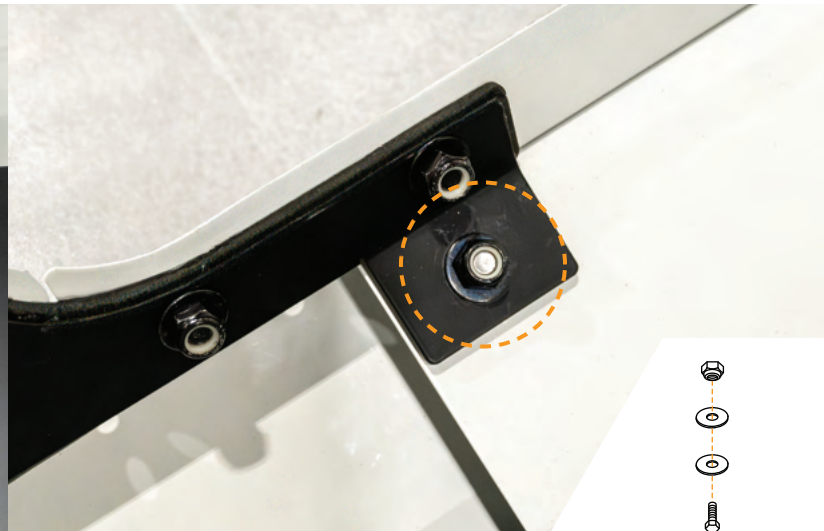
STEP 8 Align the rear flange brackets.



STEP 9 HAND TIGHTEN 2x black M8 **dome bolt** stacks into the top two mounting holes on each bracket.



STEP 10 Install fastener blocks into each of the cutouts along the rear flange at 5 Nm or **FIRMLY TIGHTEN**.



STEP 11 HAND TIGHTEN 1x stainless M8 **hex bolt** stack into the bottom mounting hole on each bracket.

ATTACH THE SIDE STIFFENERS



STEP 12 Place side stiffener left and right on top, from front flange corner to rear flange corner.



STEP 13 HAND TIGHTEN 2x black M8 **dome bolt** stacks into the two mounting holes on each end.



STEP 14 HAND TIGHTEN 1x black M8 **dome bolt** stack into the side bracket mounting hole on each end.

FIRMLY TIGHTEN all M8 hardware on

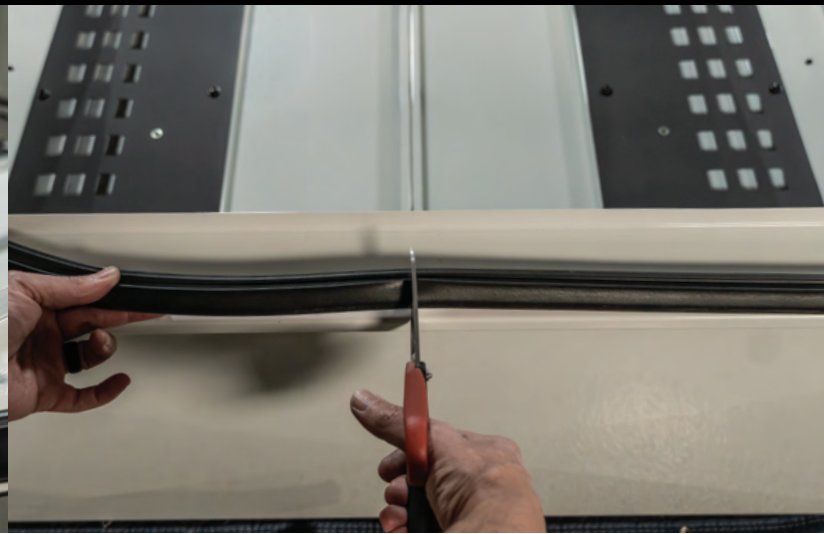
STEP 5
STEP 7
STEP 9
STEP 11
STEP 13
STEP 14

Ensure the stiffeners are seated flat.

APPLY THE FRONT FLANGE GASKET



STEP 16 Peel and stick one end of the loose gasket following the edge of the front flange.



STEP 17 Cut at the center of the front flange.



STEP 18 Peel and stick the other end of the loose gasket and cut to fit (do not stick the end yet).



STEP 19 Super glue the gasket end and butt-joint together.

Ensure a continuous seal with no gaps or twists.

APPLY THE SEAL TAPE



STEP 20 Peel and stick the seal tape across the front panel.

Ensure a continuous seal with no gaps or twists.

FLIP & FIT

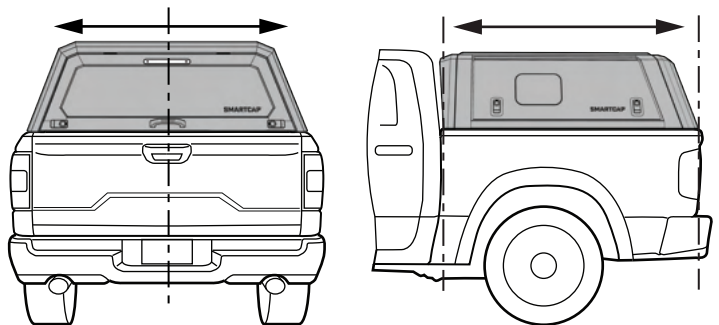


Refrain from dragging the gasket on the bed rail.

POSITION THE CAP ON THE TRUCK



- STEP 21** Gently flip the cap over, and position it on the truck without dragging the rubber gasket over the bedrail.



We recommend at least four buddies lift the cap.

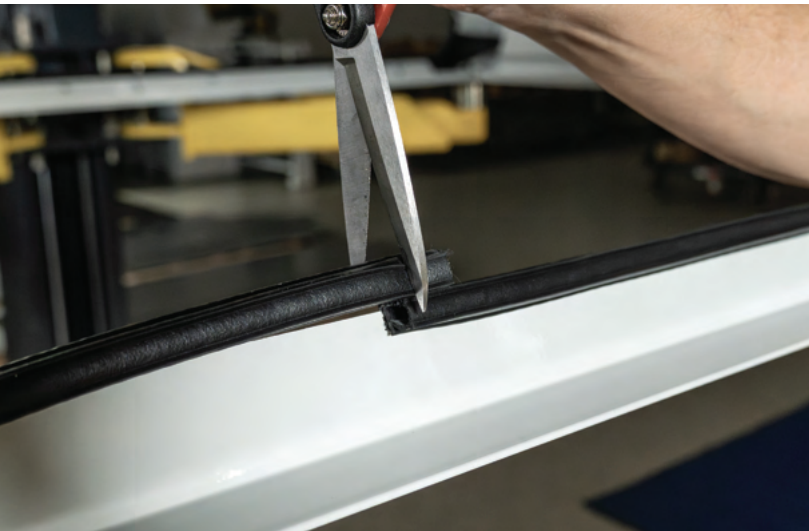
APPLY THE SIDE DOOR GASKET



STEP 22 Apply butyl to joints at all 4 corners on each door.



STEP 23 Starting from the bottom, press the gasket into place around the door aperture edge.



STEP 24 Cut the gasket to fit.



STEP 25 Place gasket ends together.

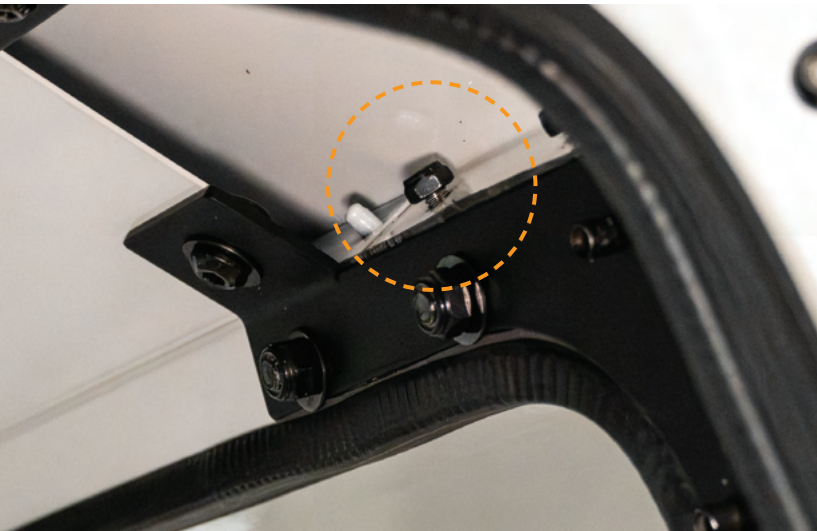
Tuck the butyl into the gasket so it does not show.

ATTACH THE SIDE DOORS



STEP 26 Locate the three pairs of mounting holes on the roof panel.

STEP 27 Insert the side door hinge bolts into the mounting holes and hold in place.



STEP 28 Reach in and install black M6 nuts onto each of the six door hinge studs.

MOUNT THE LOCKS



STEP 29 Remove the screw and cage from the back of the locks.



STEP 30 Thread the locks through the door holes facing outward.



STEP 31 Reinstall the cages and tighten the screws.

Ensure rear locks to rear door and side locks to side doors.

MOUNT THE GAS STRUTS



STEP 32 Ensure that the ball connectors are positioned 180 degrees from one another.



STEP 33 Install the gas struts by pushing the connectors on to the ball studs.

Test the doors open and close smoothly and locks function properly.

INSTALL THE C-CLAMPS



STEP 34 Place supplied thin rubber pads on the three side stiffener cutouts.

STEP 35 Place the upper c-clamp arm on the thin rubber pads.



STEP 36 Install the c-clamp by FIRMLY TIGHTENING the bolt through the lower c-clamp.

CONNECT THE RAM

THIRD BRAKE LIGHT



Be sure the vehicle is turned off for this installation.

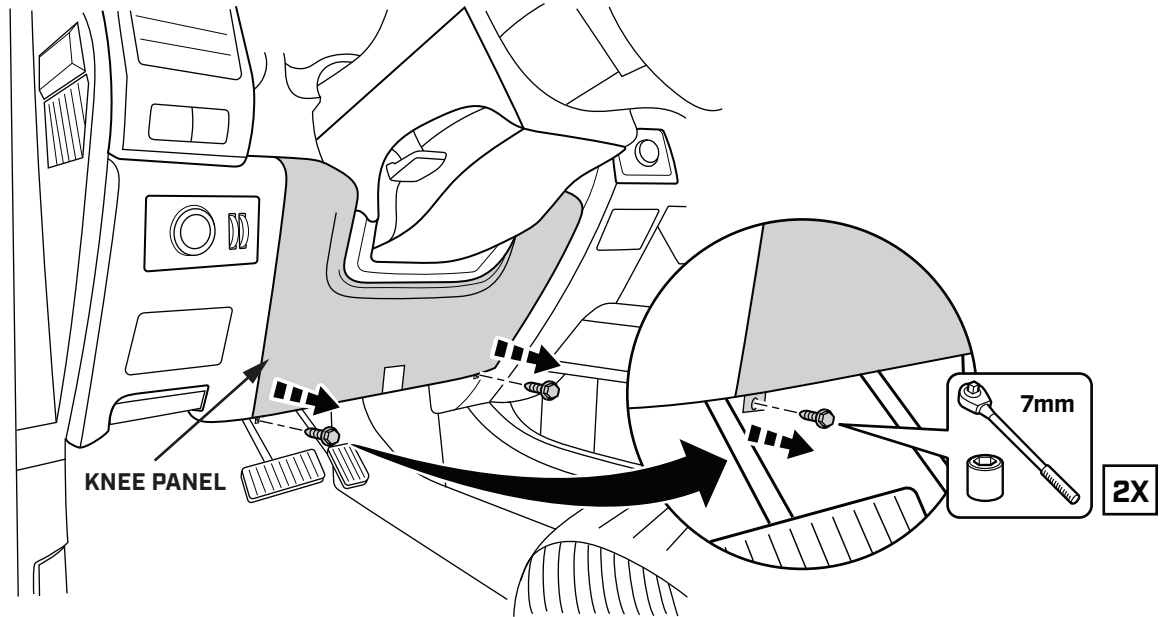
Read through the entire procedure before starting and follow the steps carefully to ensure the third brake light will function properly.

Use a test light to check for successful installation.



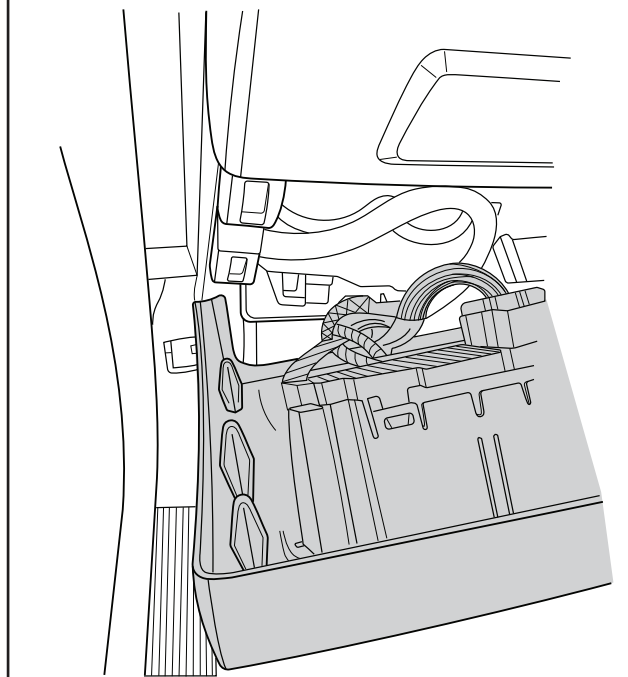
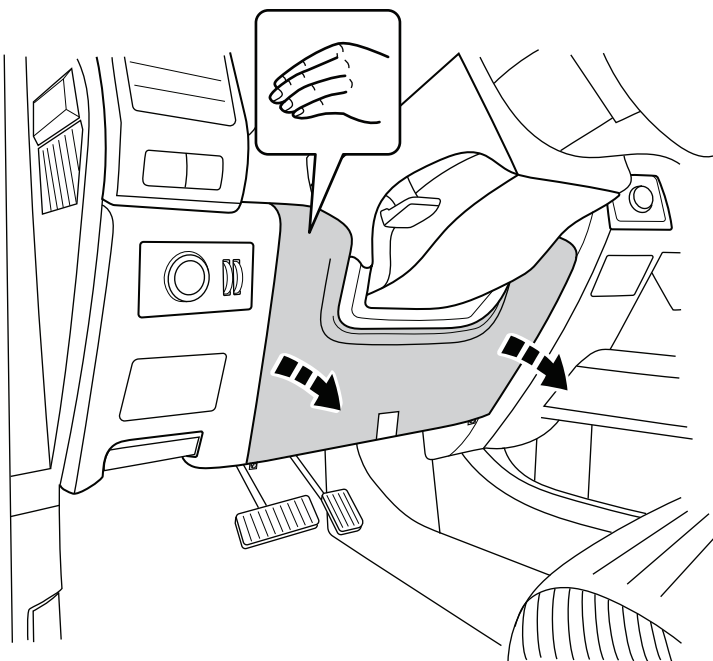
STEP 37

REMOVE THE TWO BOLTS FROM BOTTOM OF THE DRIVER-SIDE KNEE PANEL USING A SOCKET WRENCH AND 7MM SOCKET.



STEP 38

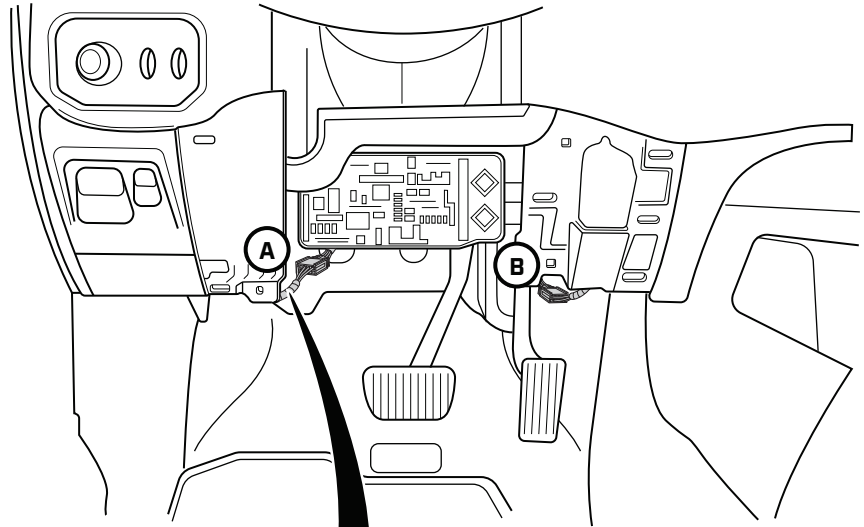
STARTING FROM THE UPPER CORNERS, GENTLY PRY AND RELEASE THE CLIPS TO REMOVE THE DRIVER-SIDE KNEE PANEL.



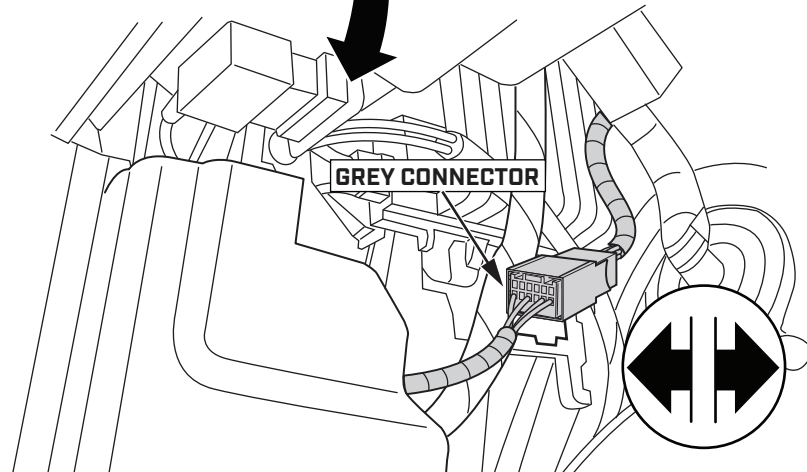
STEP 39

LOCATE THE GREY CONNECTOR
WITHIN THE DRIVER SIDE CONSOLE.

DEPENDING ON THE VEHICLE,
THE GREY CONNECTOR MAY BE
LOCATED ON THE RIGHT OR LEFT
SIDE, AS SHOWN.

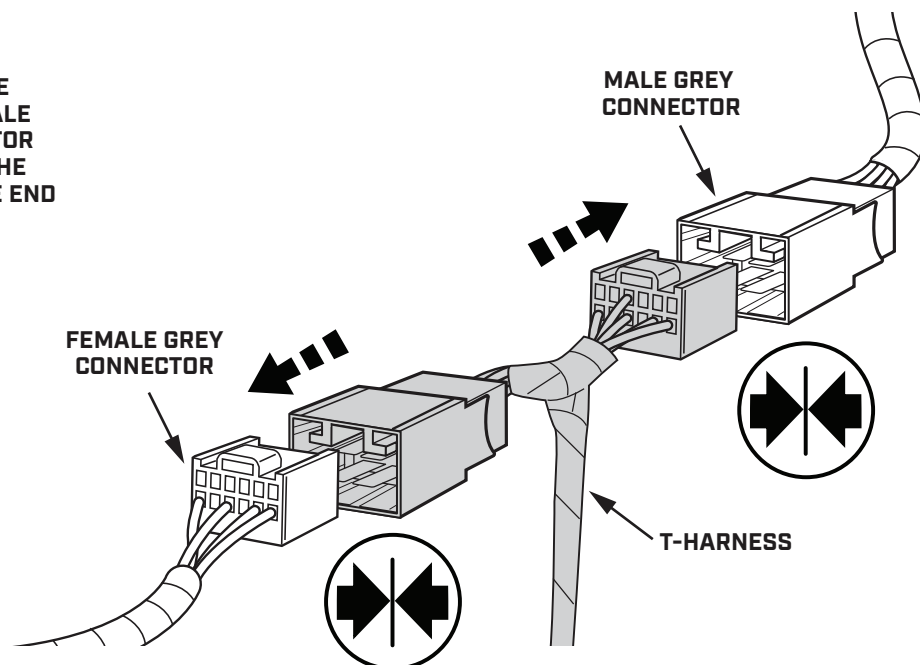


DISCONNECT THE GREY CONNECTOR.



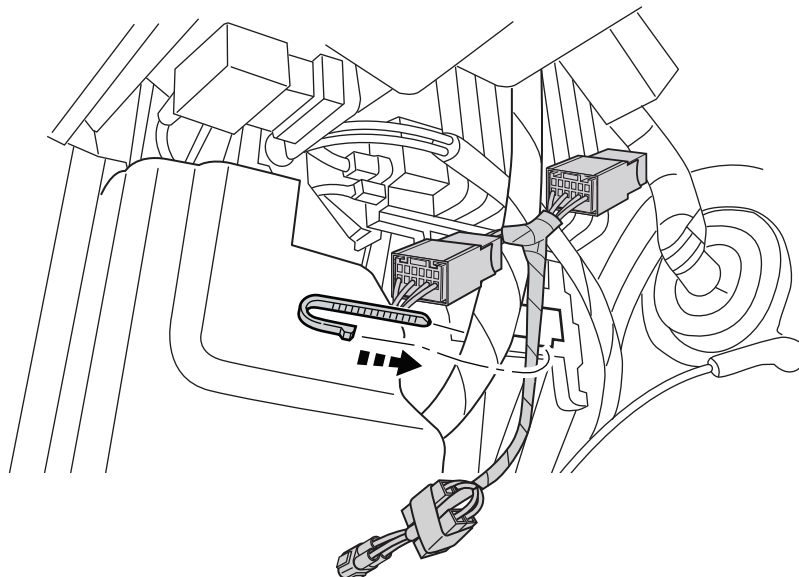
STEP 40

PLUG THE MALE END OF THE
T-HARNESS INTO THE FEMALE
END OF THE GREY CONNECTOR
AND THE FEMALE END OF THE
T-HARNESS INTO THE MALE END
OF THE GREY CONNECTOR.



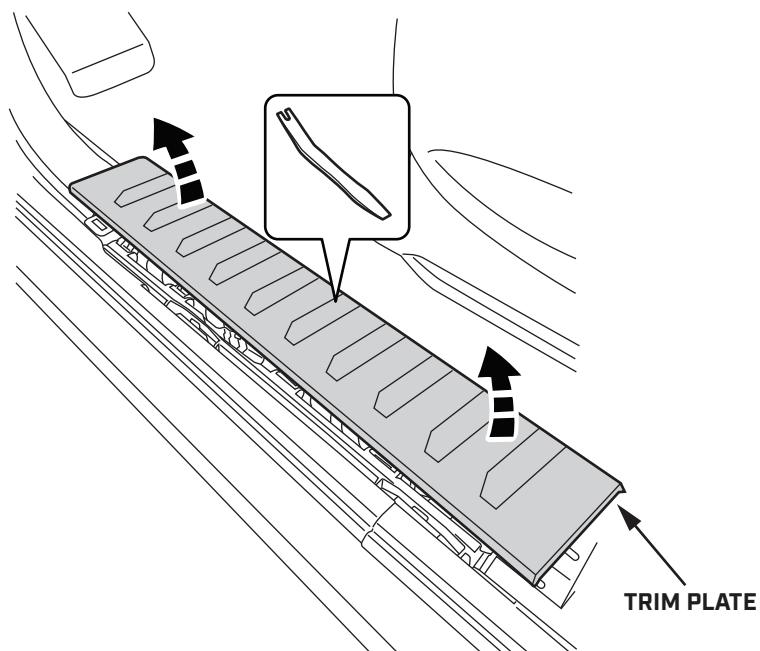
STEP 41

SECURE WITH CABLE TIES AS SHOWN.



STEP 42

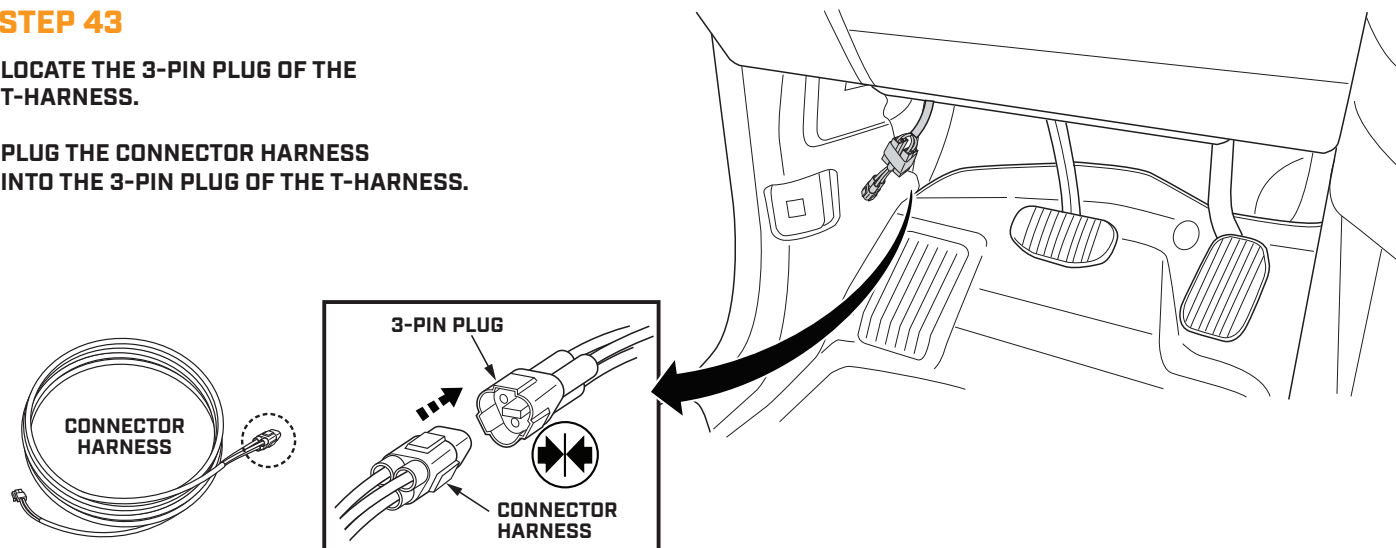
USING A PLASTIC PRY TOOL, CAREFULLY PRY OFF THE DOOR SILL TRIM PLATE ON THE DRIVER SIDE.



STEP 43

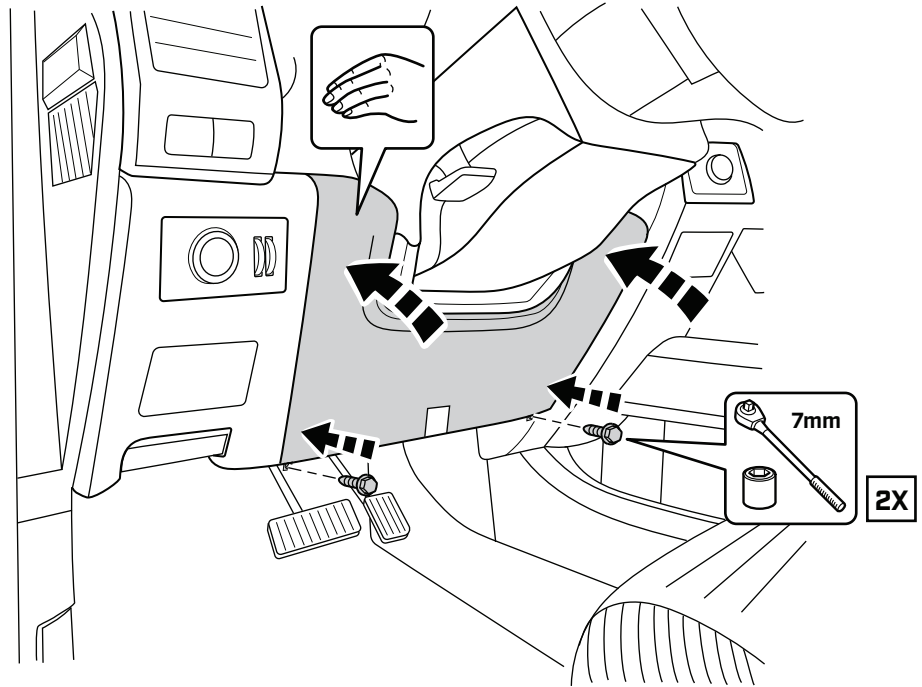
LOCATE THE 3-PIN PLUG OF THE T-HARNESS.

PLUG THE CONNECTOR HARNESS INTO THE 3-PIN PLUG OF THE T-HARNESS.



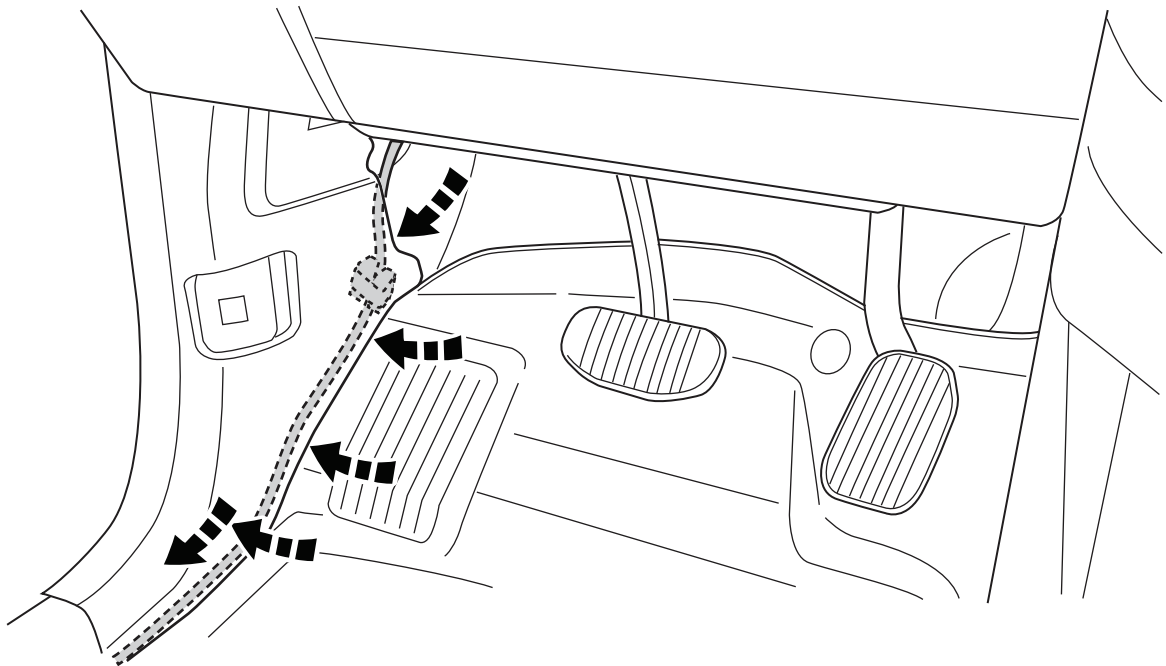
STEP 44

REINSTALL KNEE PANEL AND BOLTS USING A SOCKET WRENCH AND 7MM SOCKET.



STEP 45

TUCK THE HARNESSES UNDER THE EDGE OF THE OUTER FOOT WELL KICK PANEL AND ROUTE DOWN TOWARDS THE DOOR SILL.

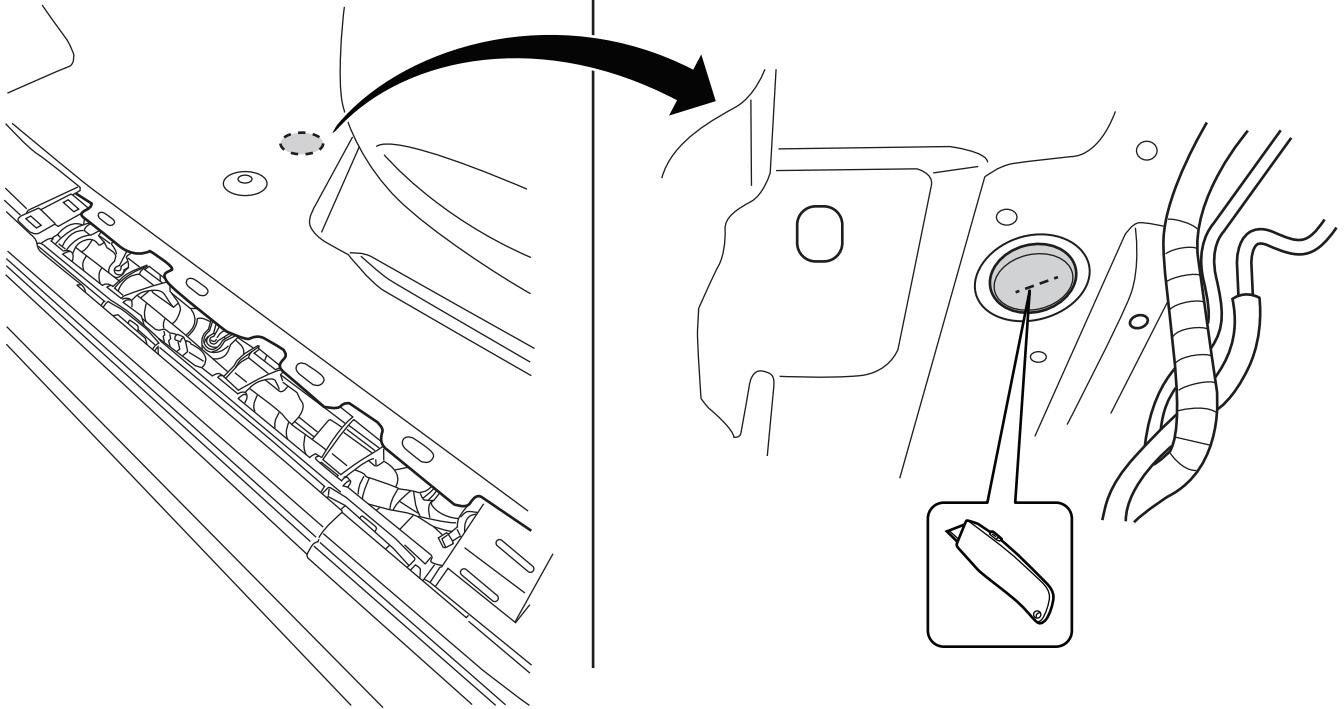


STEP 46

UNDERNEATH THE CARPET LINER, THERE WILL BE A RUBBER GROMMET IN THE METAL FLOOR.

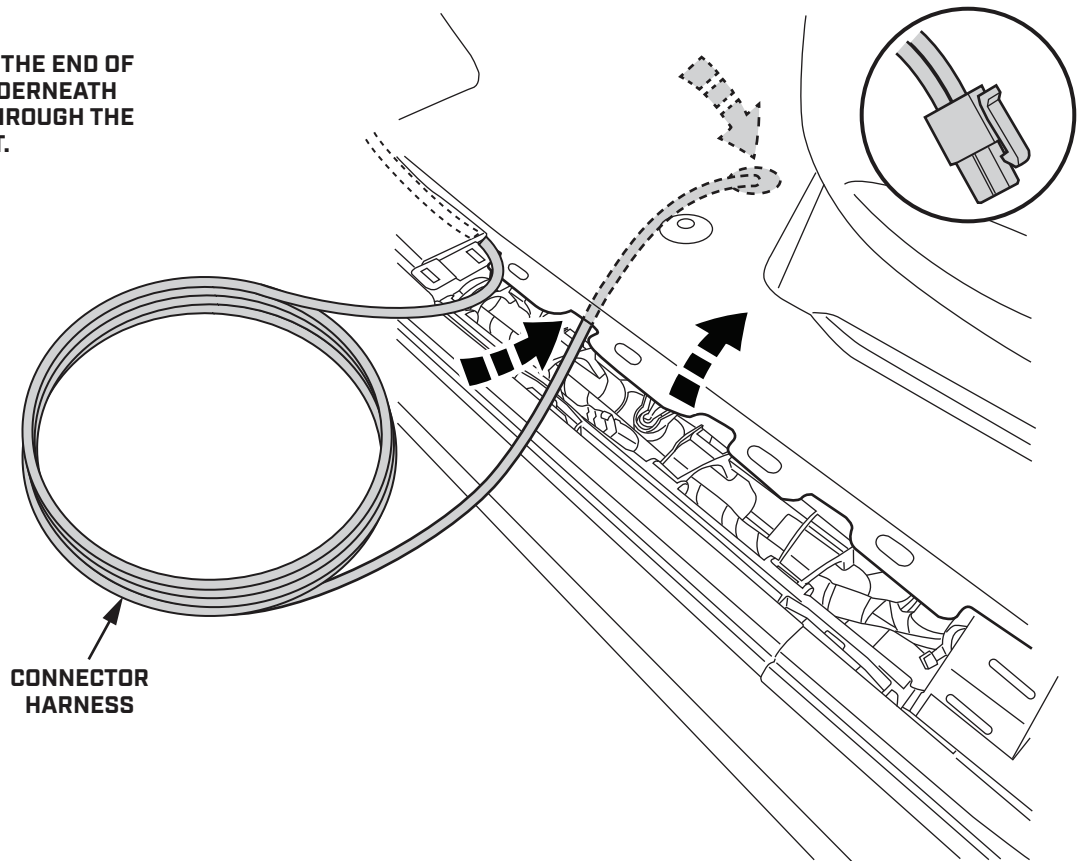
LOCATE THIS GROMMET FROM UNDERNEATH THE VEHICLE.

IF NEEDED, DRILL OR CUT A SMALL OPENING THROUGH THE RUBBER GROMMET.



STEP 47

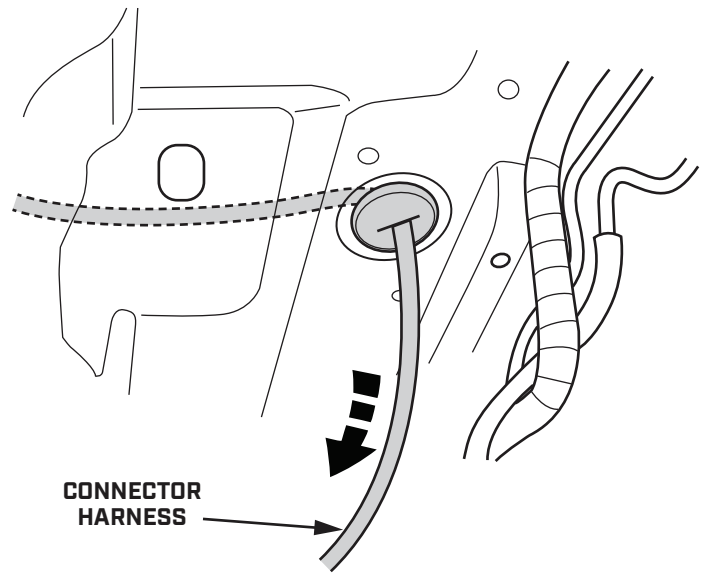
ROUTE THE 2-PIN PLUG AT THE END OF CONNECTOR HARNESS UNDERNEATH THE CARPET LINER AND THROUGH THE OPENING IN THE GROMMET.



STEP 48

CAREFULLY PULL THE ENTIRE LENGTH OF THE CONNECTOR HARNESS DOWN THROUGH THE GROMMET.

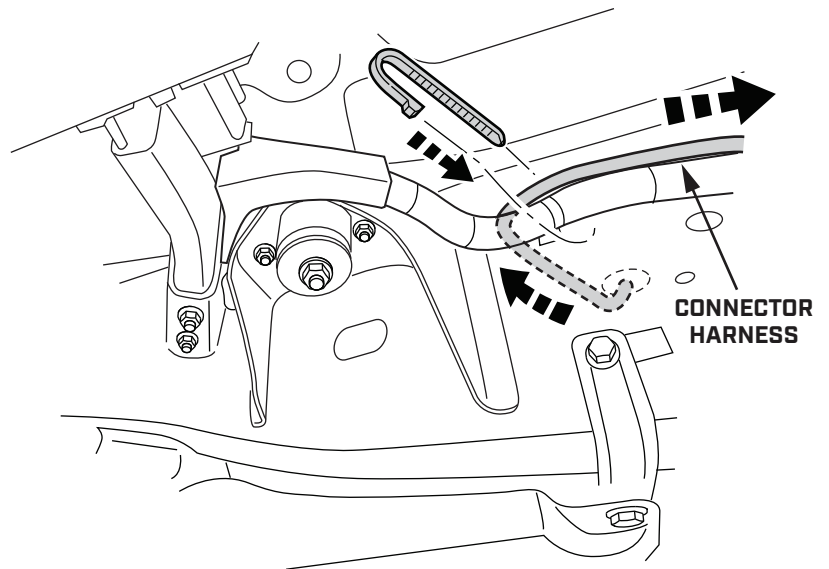
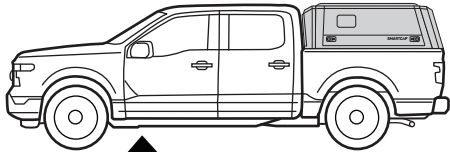
IT IS RECOMMENDED THAT A SEALING COMPOUND BE APPLIED TO THE OPENING FOR WEATHER AND DIRT PROTECTION.



STEP 49

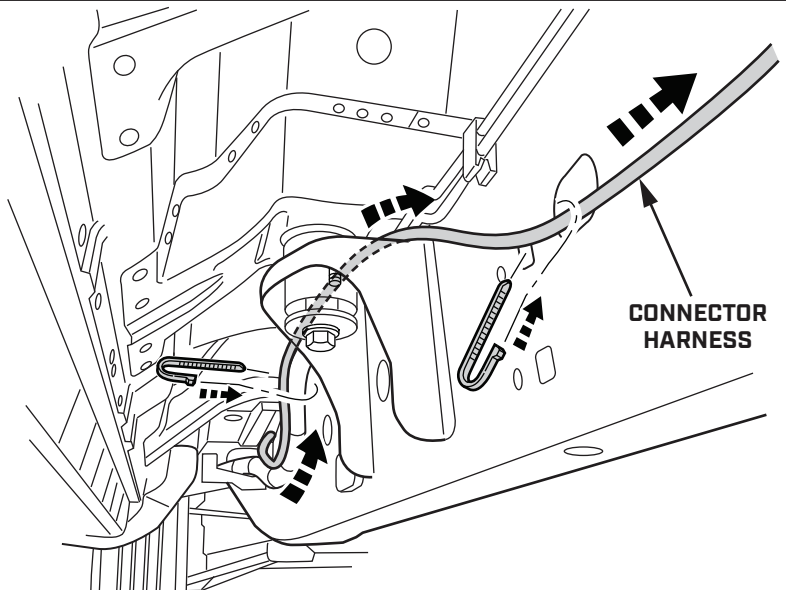
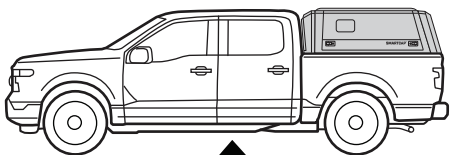
FROM UNDERNEATH THE VEHICLE, BEGIN ROUTING THE CONNECTOR HARNESS OVER THE TOP OF THE DRIVER SIDE FRAME RAIL.

SECURE THE HARNESS ALONG THE OUTSIDE OF THE FRAME WITH CABLE TIES AS SHOWN.



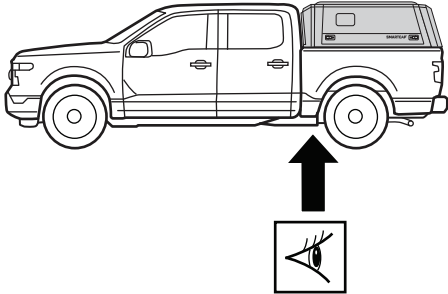
STEP 50

CONTINUE ROUTING THE CONNECTOR HARNESS TOWARDS THE REAR OF THE VEHICLE, SECURING TO THE VEHICLE WITH CABLE TIES WHEN NECESSARY.

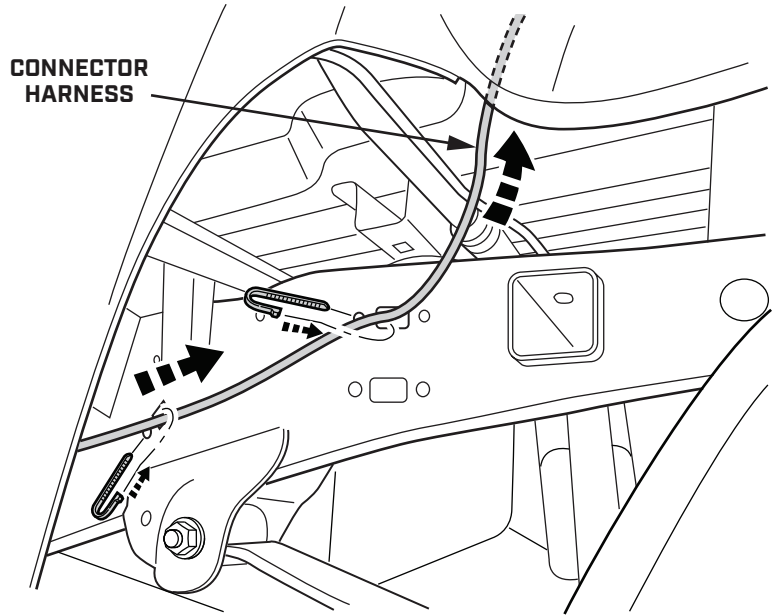


STEP 51

ROUTE THE CONNECTOR HARNESS UP AND OVER THE REAR WHEEL WELL.

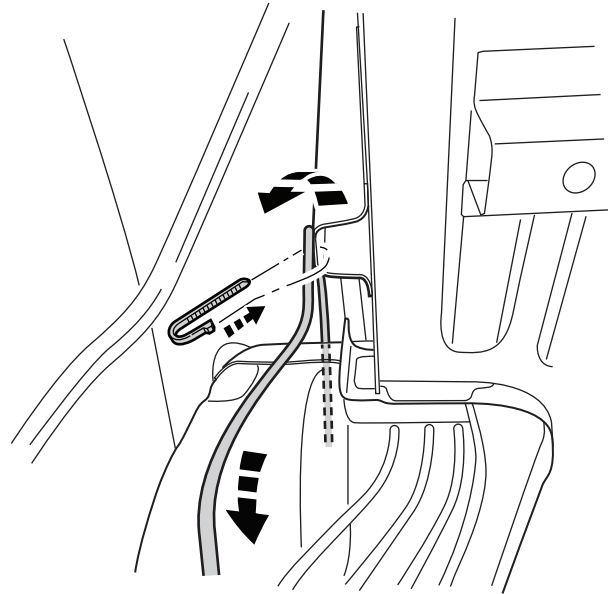
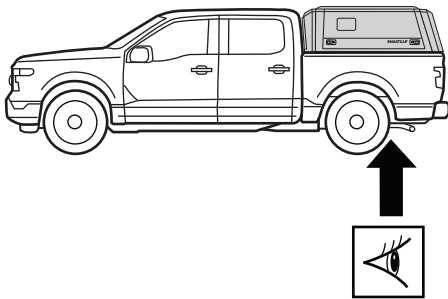


CONNECTOR HARNESS



STEP 52

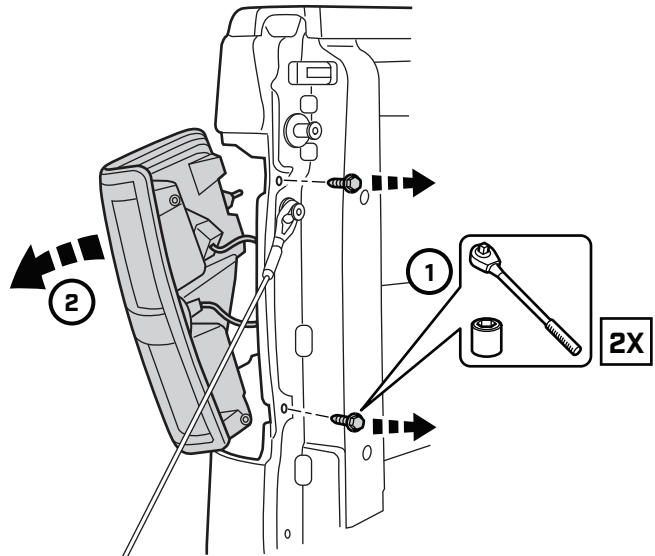
ROUTE THE CONNECTOR HARNESS DOWN OVER THE BACK OF THE REAR WHEEL WELL AND SECURE WITH CABLE TIE AS SHOWN.



STEP 53

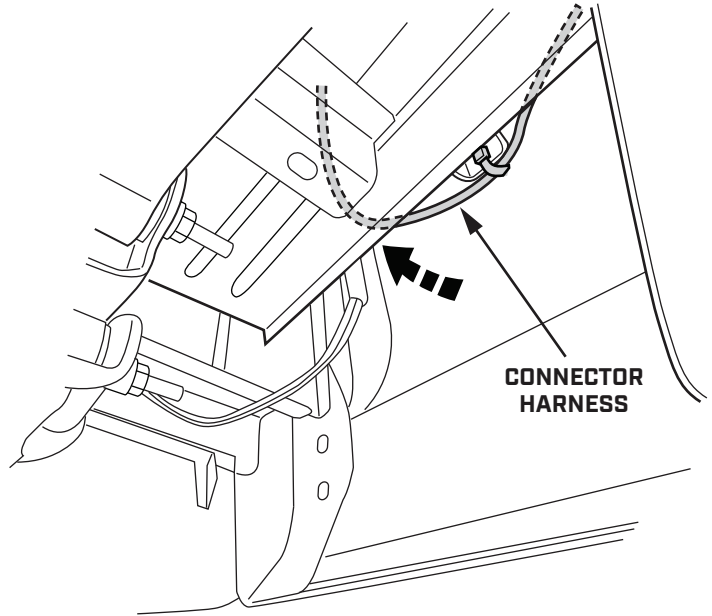
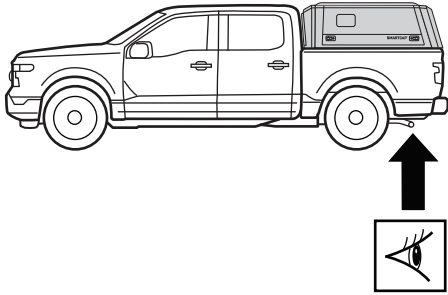
REMOVE THE BOLTS HOLDING THE DRIVER SIDE TAILLIGHT ASSEMBLY.

PLACE THE TAILLIGHT CAREFULLY ON THE TAILGATE. DO NOT UNPLUG ANY CONNECTORS.



STEP 54

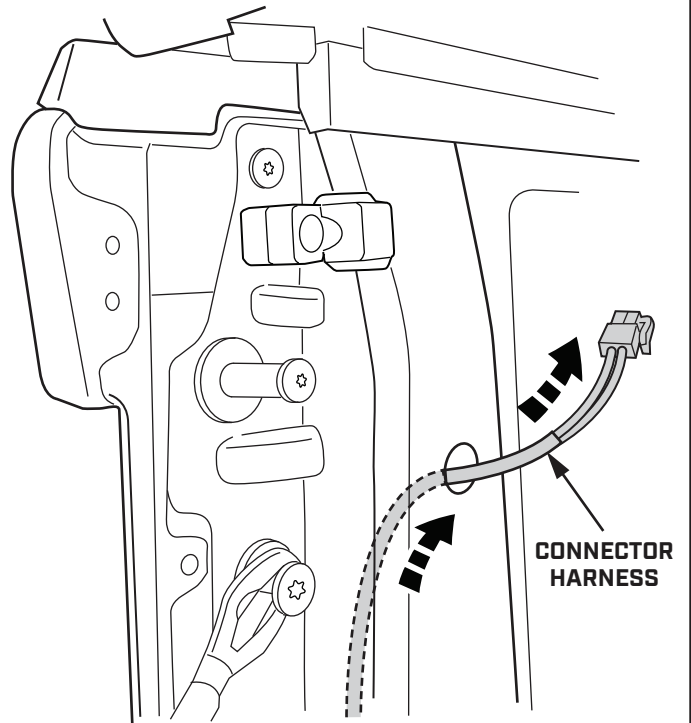
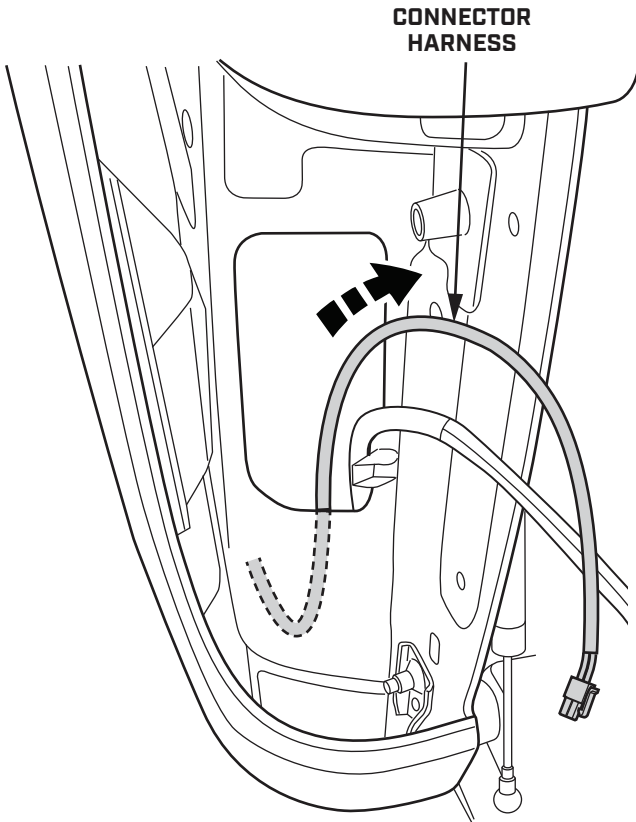
ROUTE THE CONNECTOR HARNESS UP TOWARDS THE TAILLIGHT CAVITY.



STEP 55

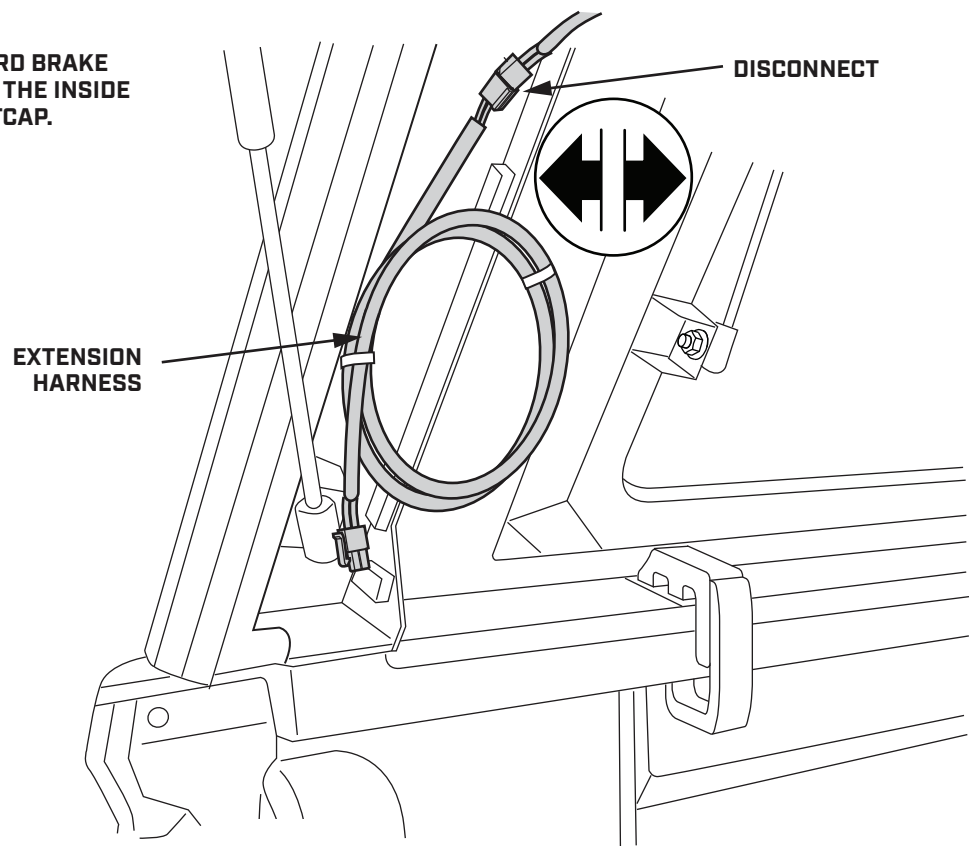
CAREFULLY PULL THE CONNECTOR HARNESS OUT THROUGH THE TAILLIGHT CAVITY.

ROUTE THE CONNECTOR HARNESS UP AND OUT THROUGH THE HOLE IN THE SIDE OF THE BED.



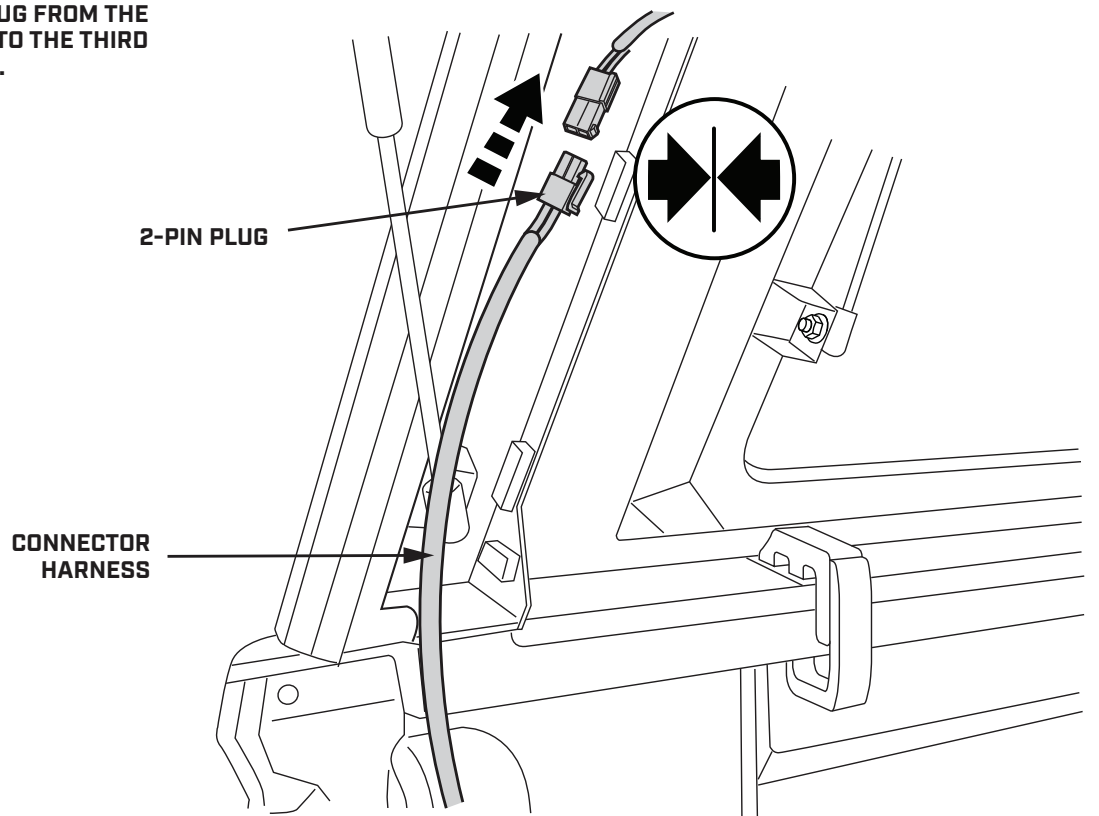
STEP 56

LOCATE AND DISCONNECT THE THIRD BRAKE LIGHT EXTENSION HARNESS FROM THE INSIDE BACK LEFT CORNER OF THE SMARTCAP.



STEP 57

CONNECT THE 2-PIN PLUG FROM THE CONNECTOR HARNESS TO THE THIRD BRAKE LIGHT HARNESS.

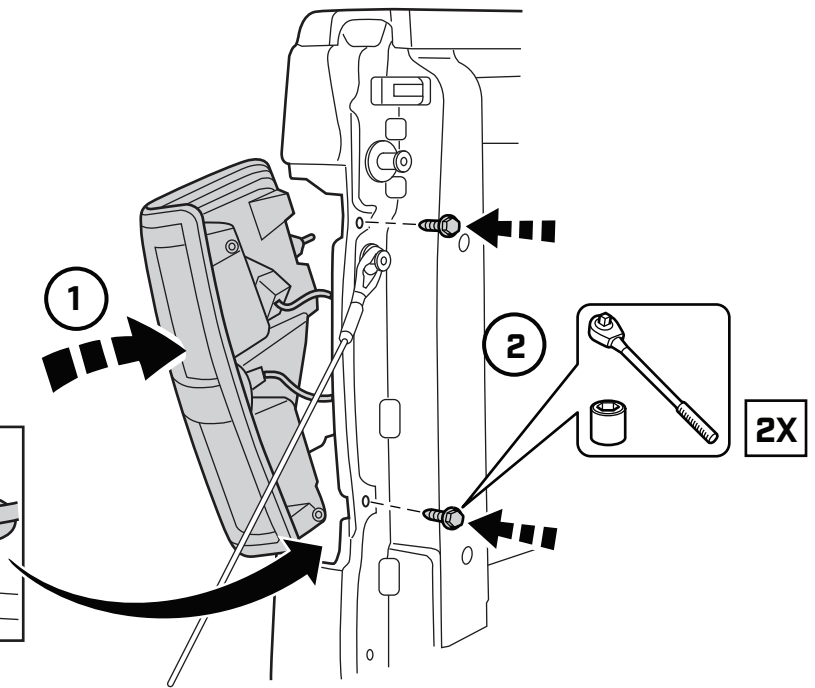
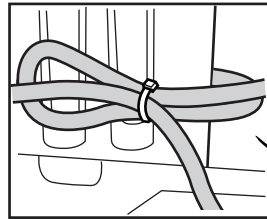


STEP 58

REINSTALL THE TAILLIGHT ASSEMBLY.

**TEST YOUR BRAKE
LIGHTS & TURN
SIGNALS**

BUNDLE EXTRA
HARNESS LENGTH
IN THE TAIL LIGHT
CAVITY AND SECURE
WITH A CABLE TIE.



THANKS FOR YOUR PURCHASE. PLEASE LET US
KNOW IF YOU HAVE ANY QUESTIONS.

SMARTCAP.COM

SUPPORT.NA@SMARTCAP.COM - NORTH AMERICA

SUPPORT.SA@SMARTCAP.COM - REST OF WORLD

