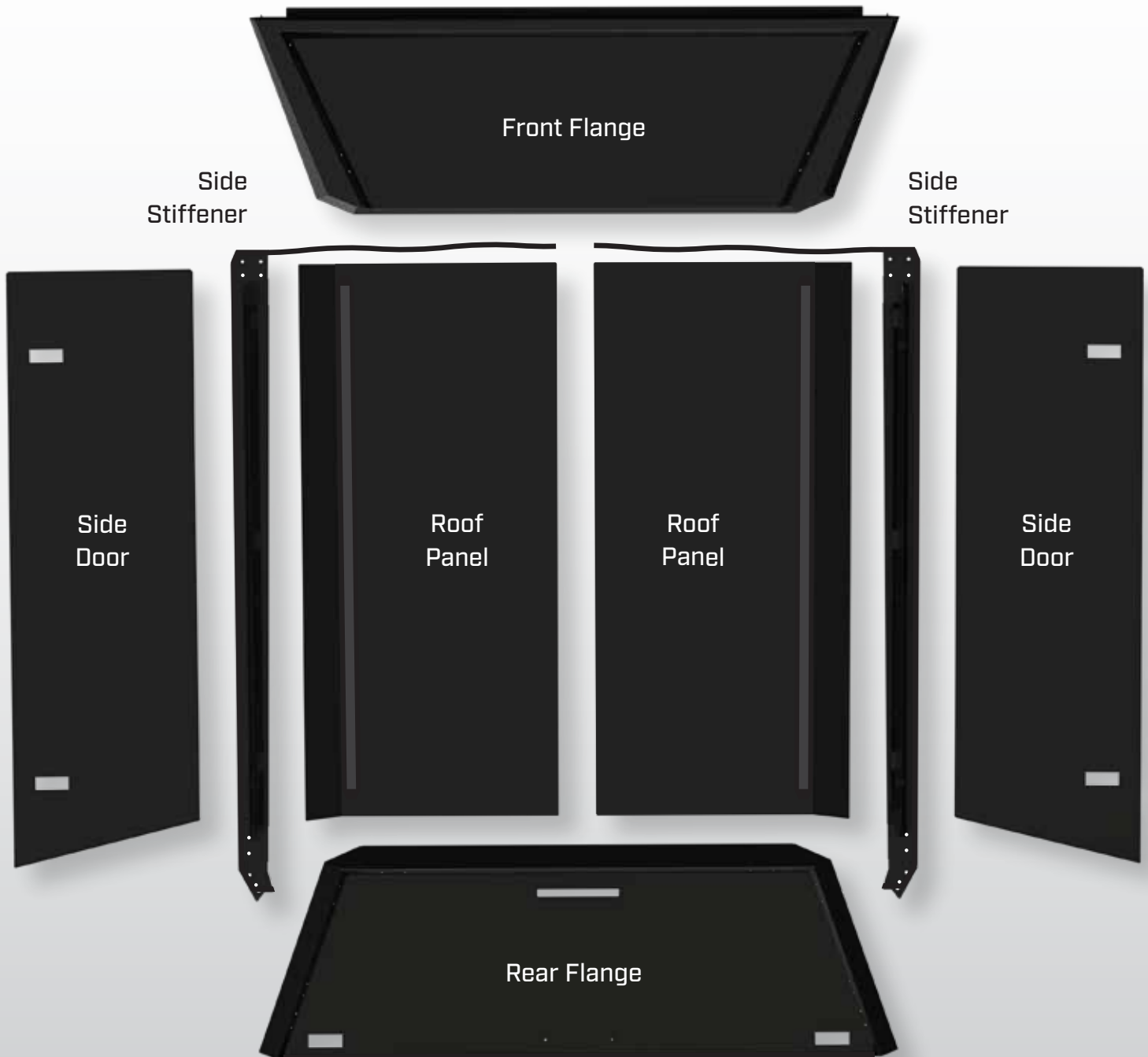


Assembly Guide



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

Edge caps now include improved Roof Panel Channels with Rivnuts to facilitate seamless Gullwing bin installation. In early production runs Roof MOLLE Panels were included, however your cap will likely **not include** them as a feature.

TOOLS REQUIRED

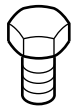
- ☐ 10mm & 13mm socket wrench
- ☐ 10mm & 13mm combination wrench
- ☐ 10mm & 13mm torque wrench
- ☐ 5mm allen wrench
- ☐ Super glue
- ☐ Utility knife
- ☐ Scissors
- ☐ All-purpose cleaner
- ☐ Microfiber rags
- ☐ Furniture pad or other soft surface

ASSEMBLY HARDWARE



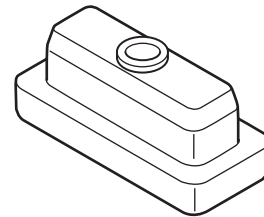
M6 FLAT WASHERS

30
x



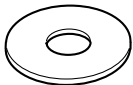
M6 BOLT

30
x



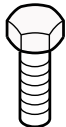
FASTENER BLOCKS

30
x



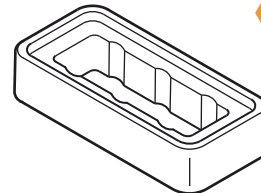
M8 FENDER WASHERS

64
x



M8 BOLT

4
x



FASTENER BLOCK CLAMPS

30
x



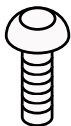
SPRING WASHERS

30
x



M8 NYLOCK NUTS

32
x



M8 DOME BOLT

28
x



M6 NYLOCK NUTS

12
x



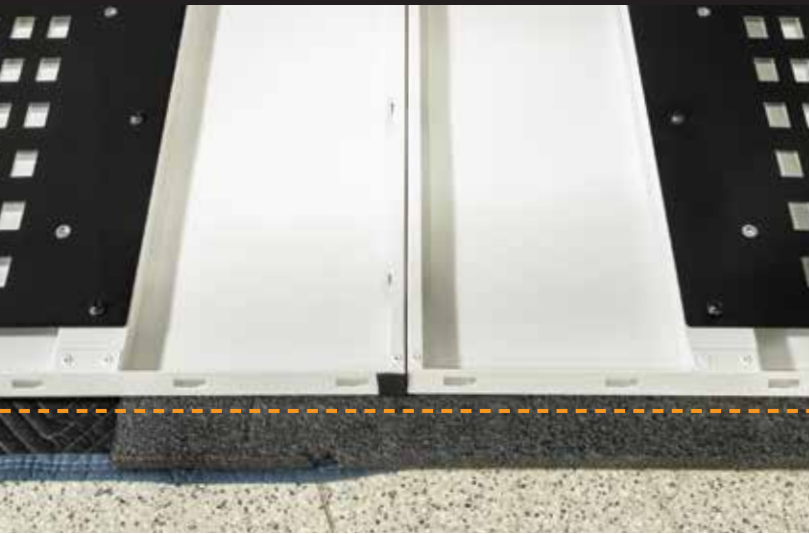
RUBBER GASKET

1x



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

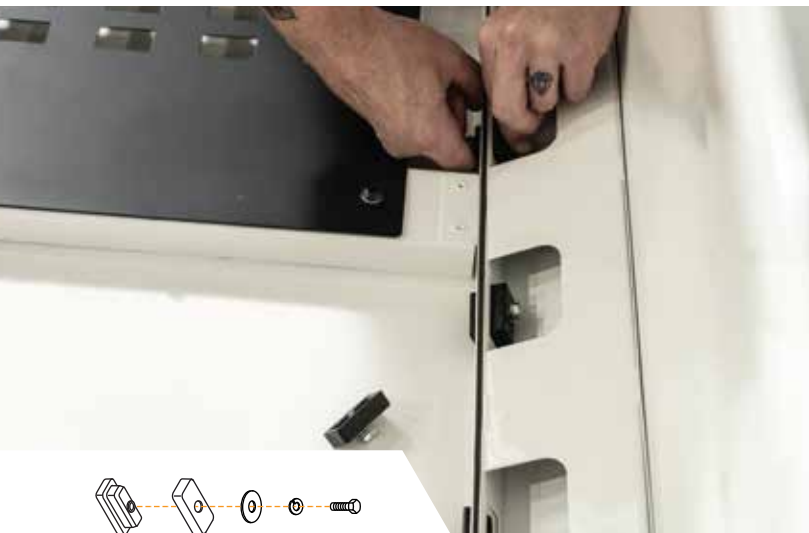
ATTACH THE FRONT FLANGE



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.

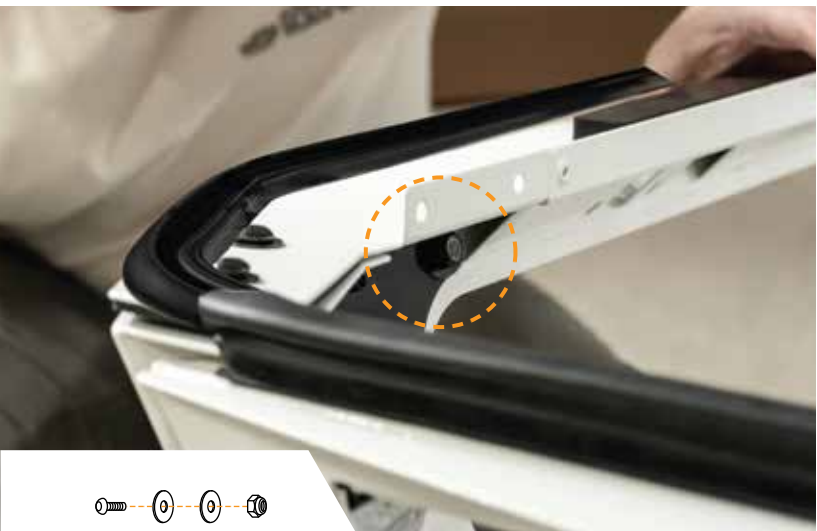
ATTACH THE SIDE STIFFENERS



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



STEP 13 HAND TIGHTEN 4x black M8 **dome bolt** stacks into the mounting holes on each end of the side stiffeners.



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**

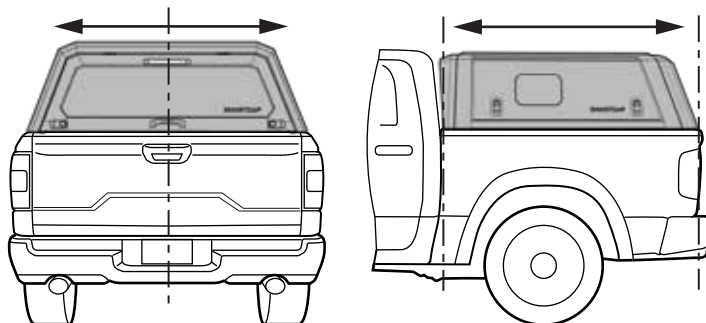


Refrain from dragging the gasket on the bed rail.

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 Gently tap the gasket into each corner with a rubber mallet to secure it in place.



STEP 25 Cut the gasket to fit and join the 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 SUPER DUTY

THIRD BRAKE LIGHT



Be sure the vehicle is turned off for this installation.

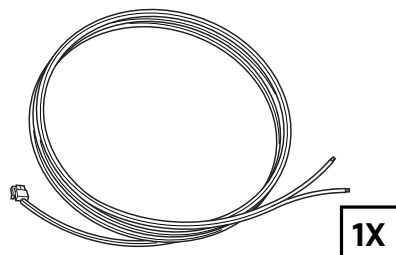
Read through the entire procedure before starting and follow the steps carefully to ensure the third brake light will function properly.

Use a test light to check for successful installation.

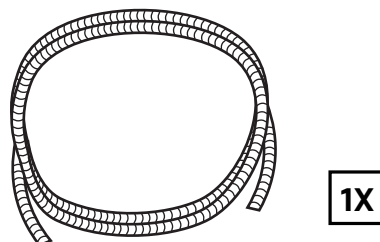


THIRD BRAKE LIGHT HARDWARE

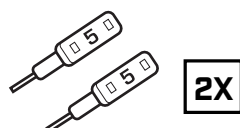
CONNECTOR HARNESS



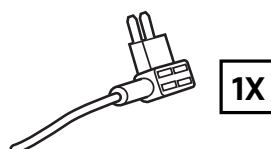
PLASTIC SHEATH



FUSES



FUSE CONNECTOR



GROUND TERMINAL

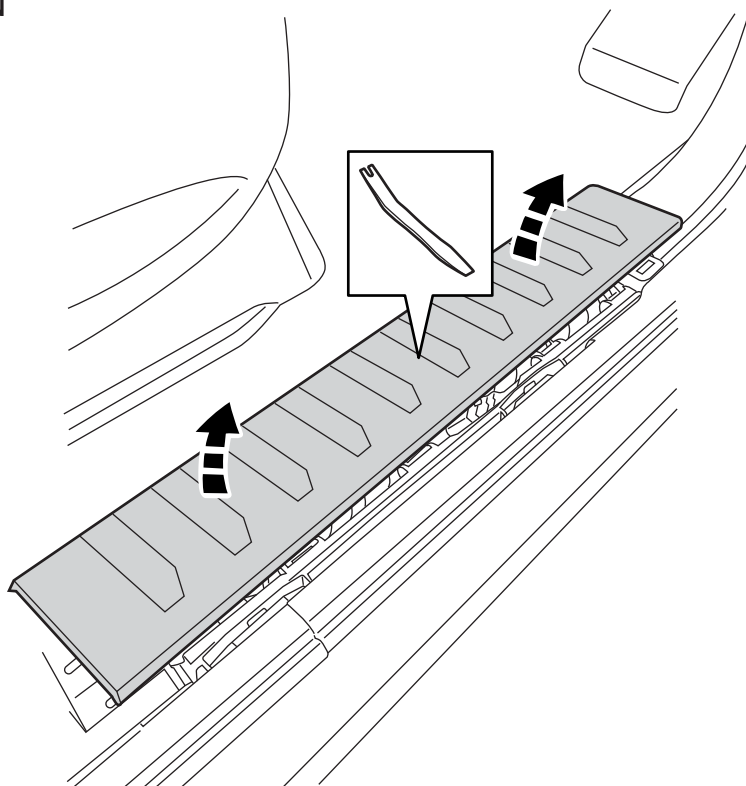


SPLICE TERMINAL



STEP 37

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

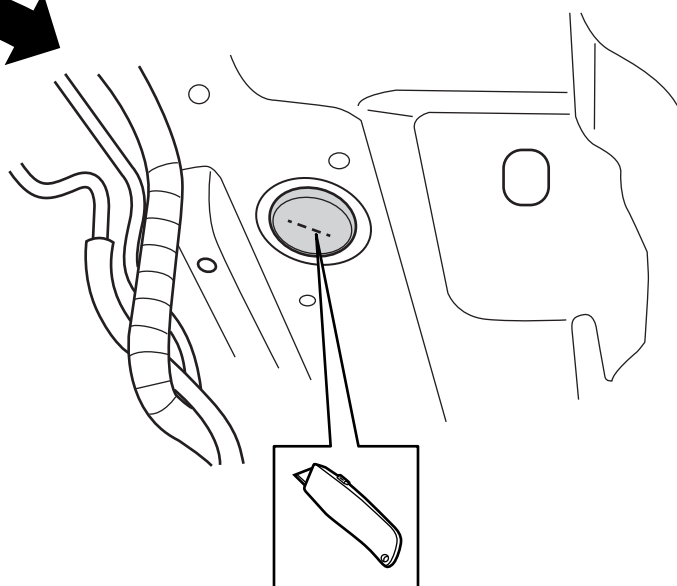
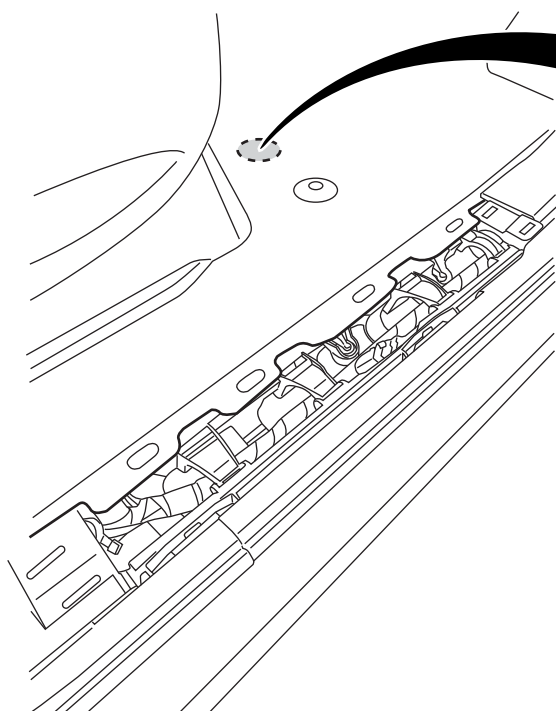


STEP 38

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

LOCATE THIS GROMMET FROM UNDERNEATH THE VEHICLE.

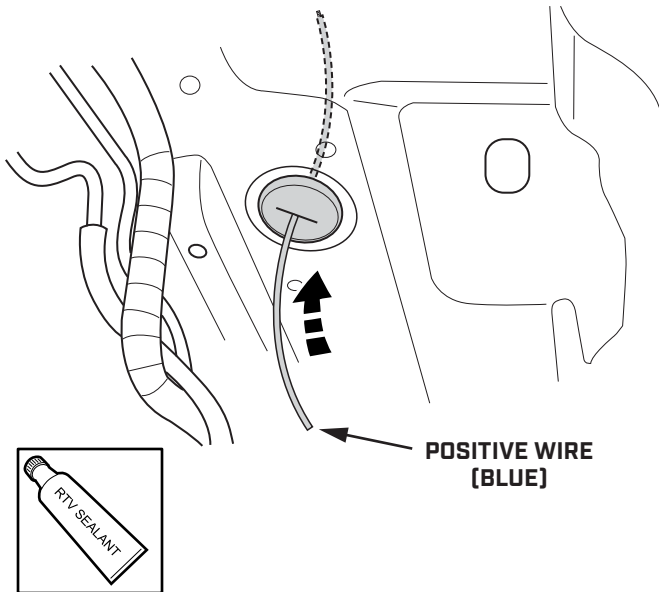
IF NEEDED, DRILL OR CUT A SMALL OPENING THROUGH THE RUBBER GROMMET.



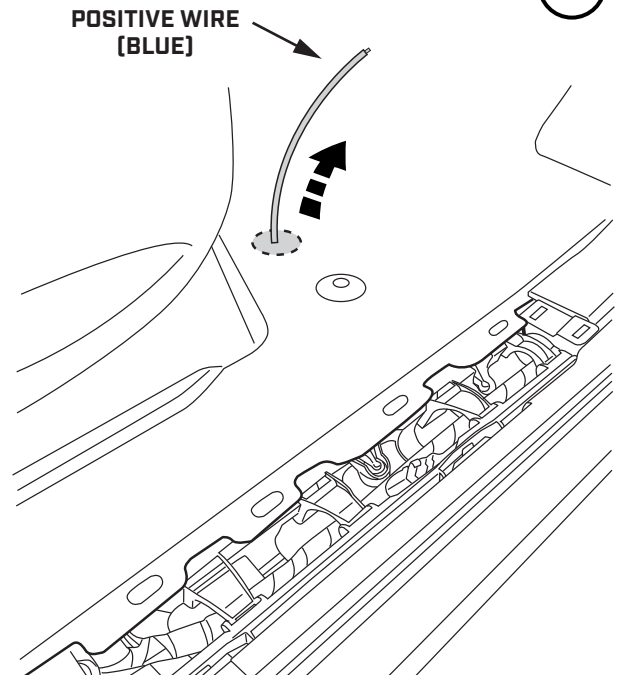
STEP 39

LOCATE THE POSITIVE WIRE (BLUE) OF THE CONNECTOR HARNESS AND ROUTE IT THROUGH THE GROMMET.

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

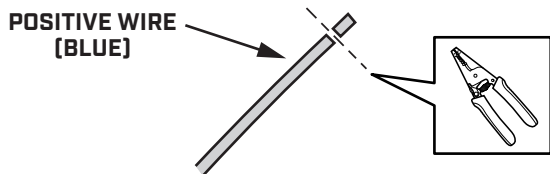


2



STEP 40

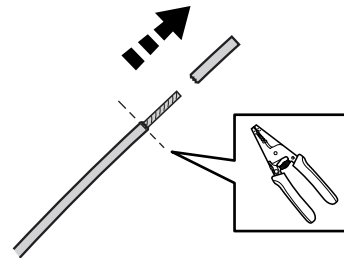
USE WIRE STRIPPERS TO TRIM OFF THE END OF THE POSITIVE WIRE.



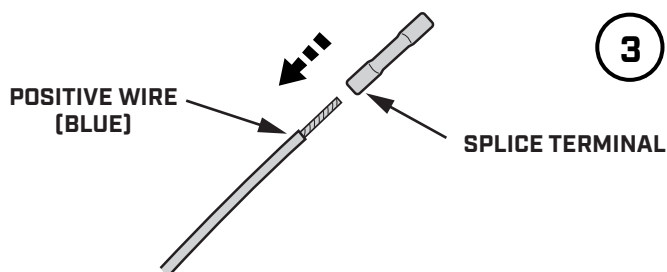
USE WIRE STRIPPERS TO REMOVE A HALF INCH OF PLASTIC WIRE INSULATION, EXPOSING THE COPPER WIRING WITHIN.



2

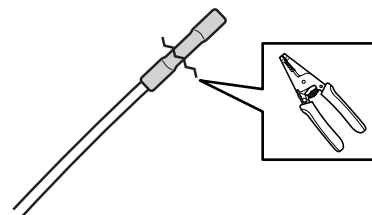


SLIDE THE SPLICE TERMINAL ONTO THE STRIPPED END OF THE POSITIVE WIRE.



USE WIRE STRIPPERS TO APPLY FIRM PRESSURE TO THE SPLICE TERMINAL AT THE POINT WHERE THE WIRE ENTERS.

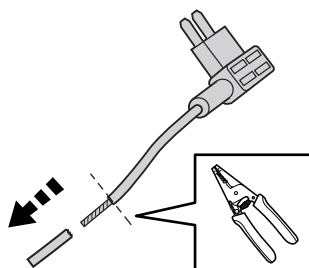
4



STEP 41

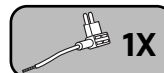
LOCATE THE SUPPLIED FUSE CONNECTOR.

USE THE WIRE STRIPPERS TO REMOVE A HALF INCH OF PLASTIC INSULATION FROM THE END OF THE FUSE CONNECTOR.



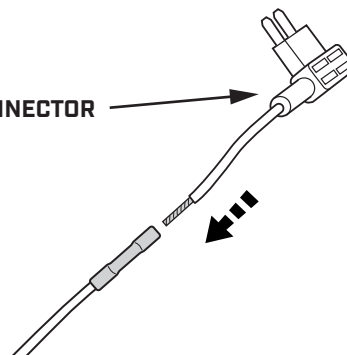
1

SLIDE THE STRIPPED END OF THE FUSE CONNECTOR WIRE INTO THE OTHER SIDE OF THE SPLICE TERMINAL.

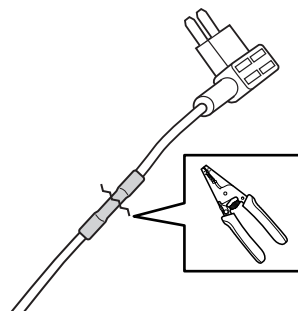


2

FUSE CONNECTOR

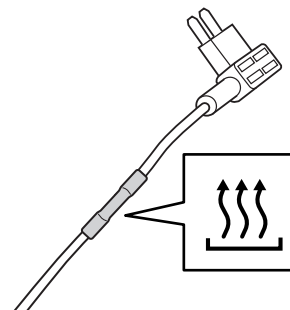


USE WIRE STRIPPERS TO APPLY FIRM PRESSURE TO THE SPLICE TERMINAL AT THE POINT WHERE THE WIRE ENTERS.



3

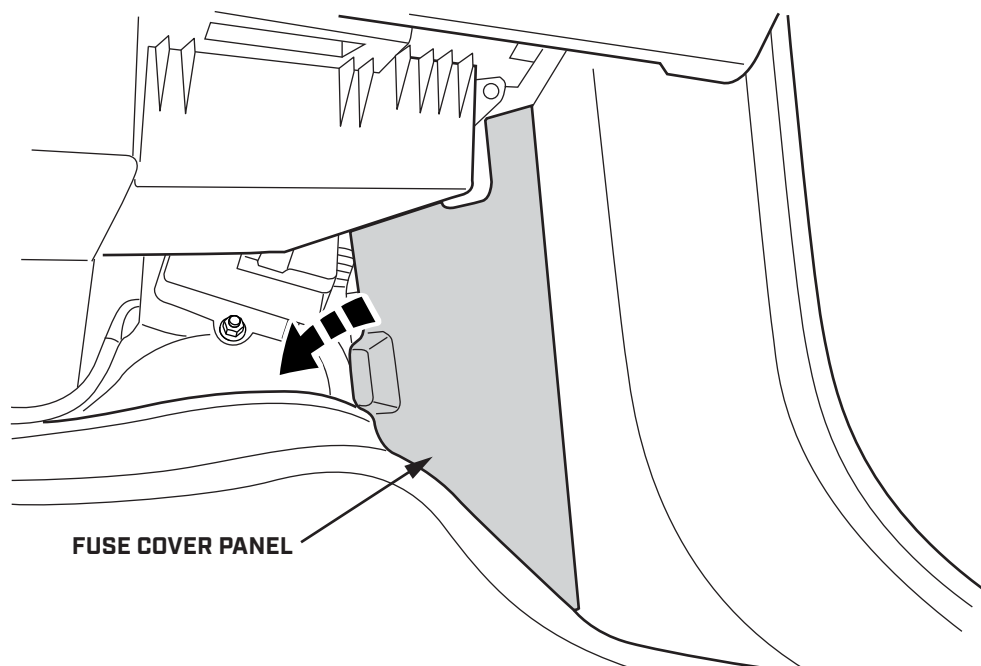
APPLY HEAT TO THE SPLICE TERMINAL TO SHRINK AND CONFORM TIGHTLY AROUND THE WIRES.



4

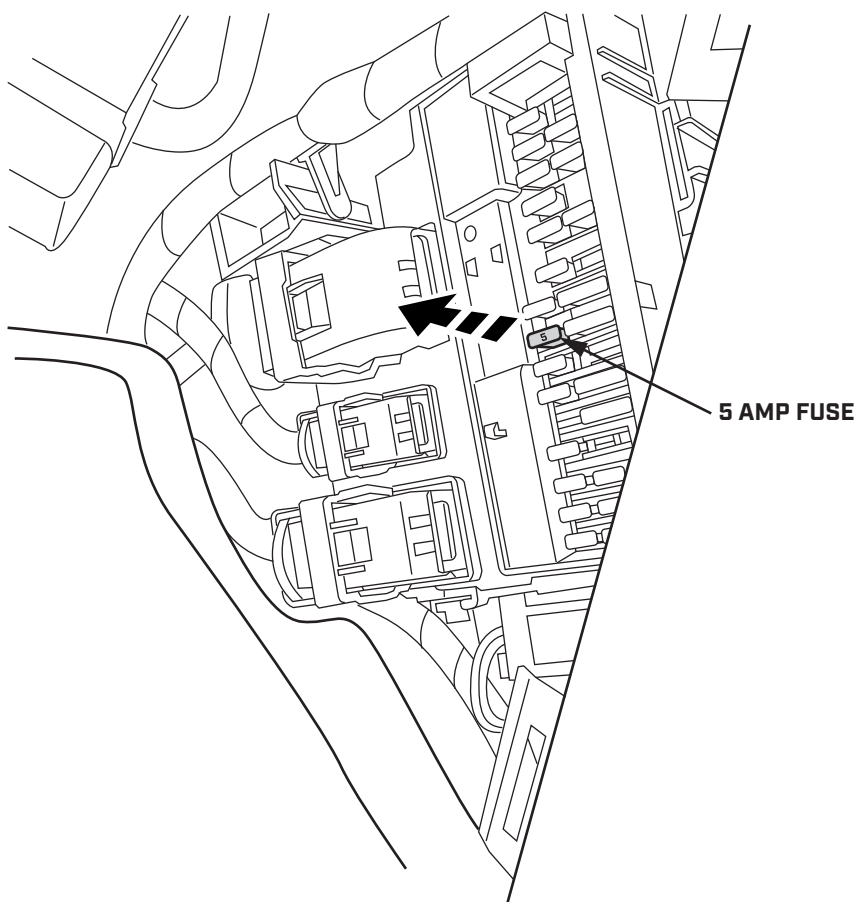
STEP 42

LOCATE THE FUSE COVER PANEL AT THE FRONT OF THE PASSENGER SIDE FOOTWELL AND PRY IT OFF.



STEP 43

LOCATE THE 5 AMP FUSE (SLOT #30)
AS INDICATED AND CAREFULLY REMOVE
IT FROM THE FUSE PANEL.

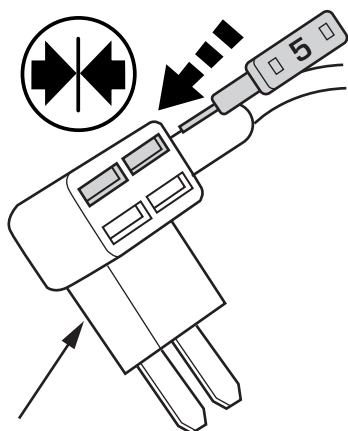


STEP 44

PLUG THE 5 AMP FUSE INTO THE
FUSE CONNECTOR AS SHOWN.



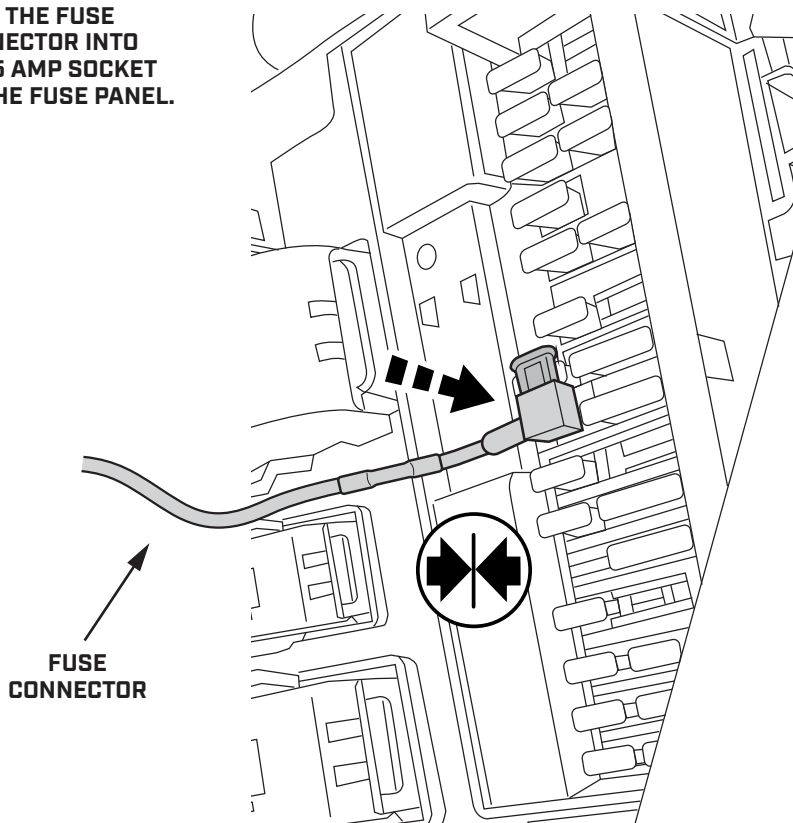
**PLUGGING THE FUSE INTO THE
INCORRECT SLOT WILL RESULT
IN THIRD BRAKE LIGHT FAILURE**



FUSE
CONNECTOR

STEP 45

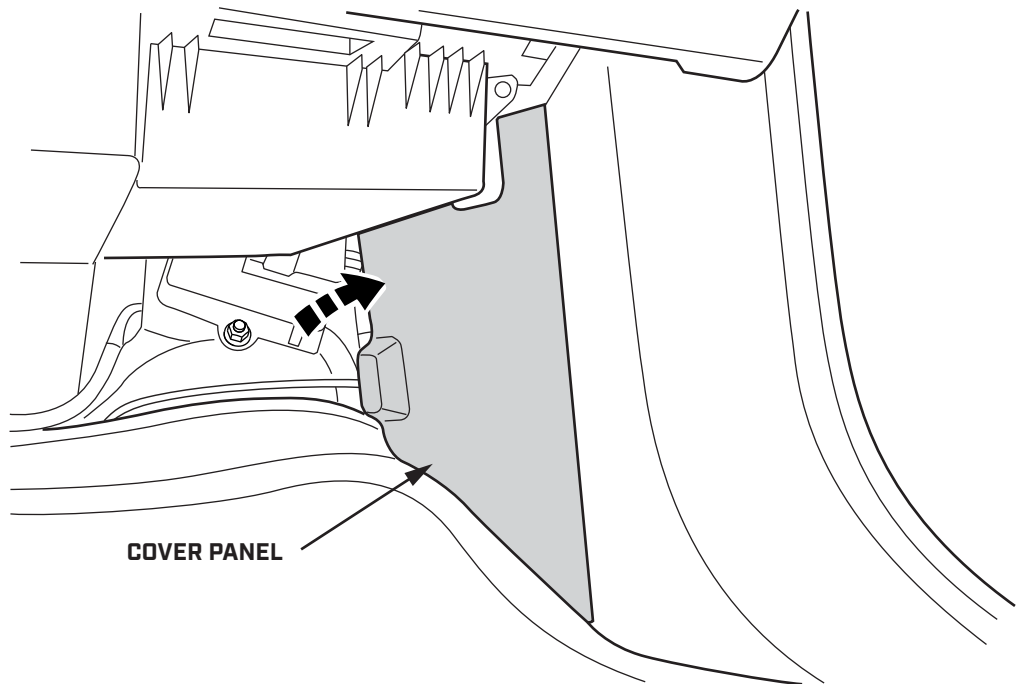
PLUG THE FUSE
CONNECTOR INTO
THE 5 AMP SOCKET
ON THE FUSE PANEL.



FUSE
CONNECTOR

STEP 46

REINSTALL THE FUSE COVER PANEL.

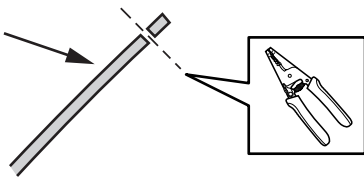


STEP 47

FROM UNDERNEATH THE VEHICLE, LOCATE THE NEGATIVE WIRE (BLACK) OF THE CONNECTOR HARNESS.

USE WIRE STRIPPERS TO TRIM OFF THE END OF THE NEGATIVE WIRE.

NEGATIVE WIRE
(BLACK)

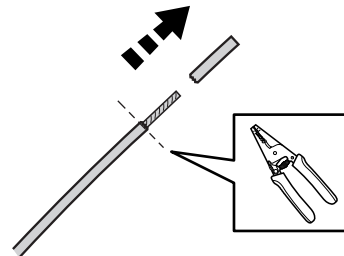


1

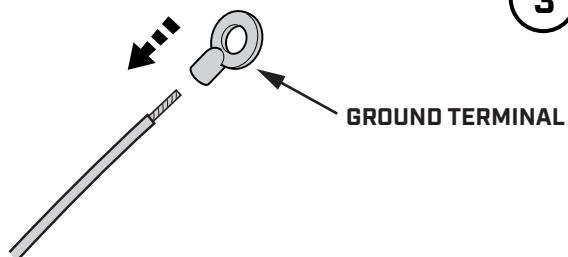
USE WIRE STRIPPERS TO REMOVE A HALF INCH OF PLASTIC WIRE INSULATION, EXPOSING THE COPPER WIRING WITHIN.



2

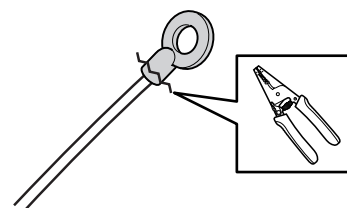


SLIDE THE GROUND TERMINAL ONTO THE STRIPPED END OF THE NEGATIVE WIRE.



3

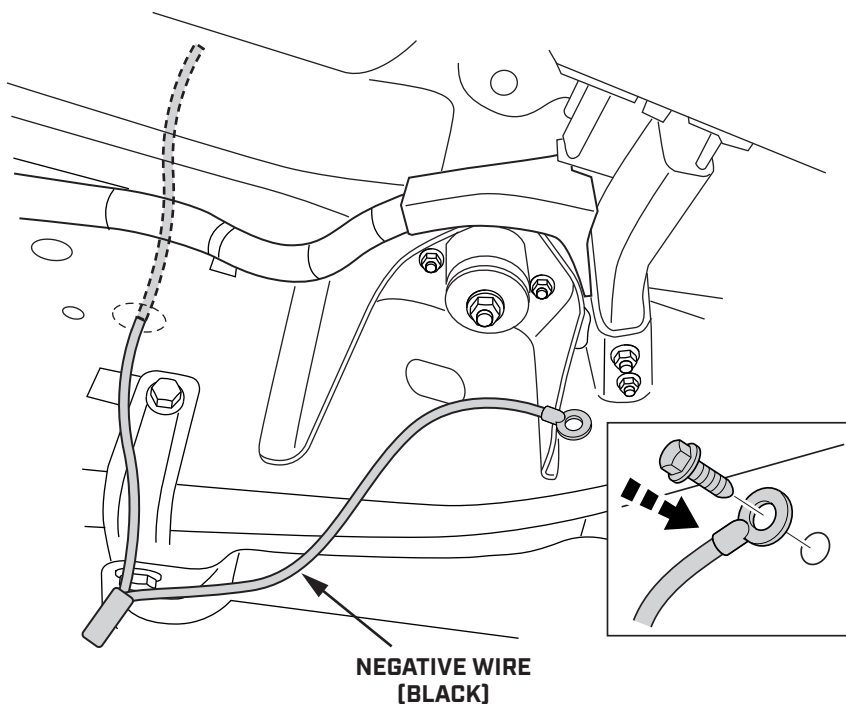
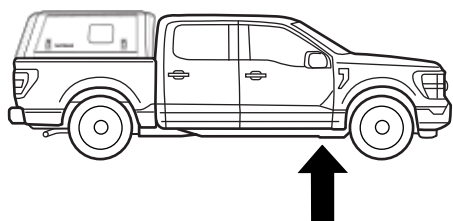
USE WIRE STRIPPERS TO APPLY FIRM PRESSURE TO THE GROUND TERMINAL AT THE POINT WHERE THE WIRE ENTERS.



4

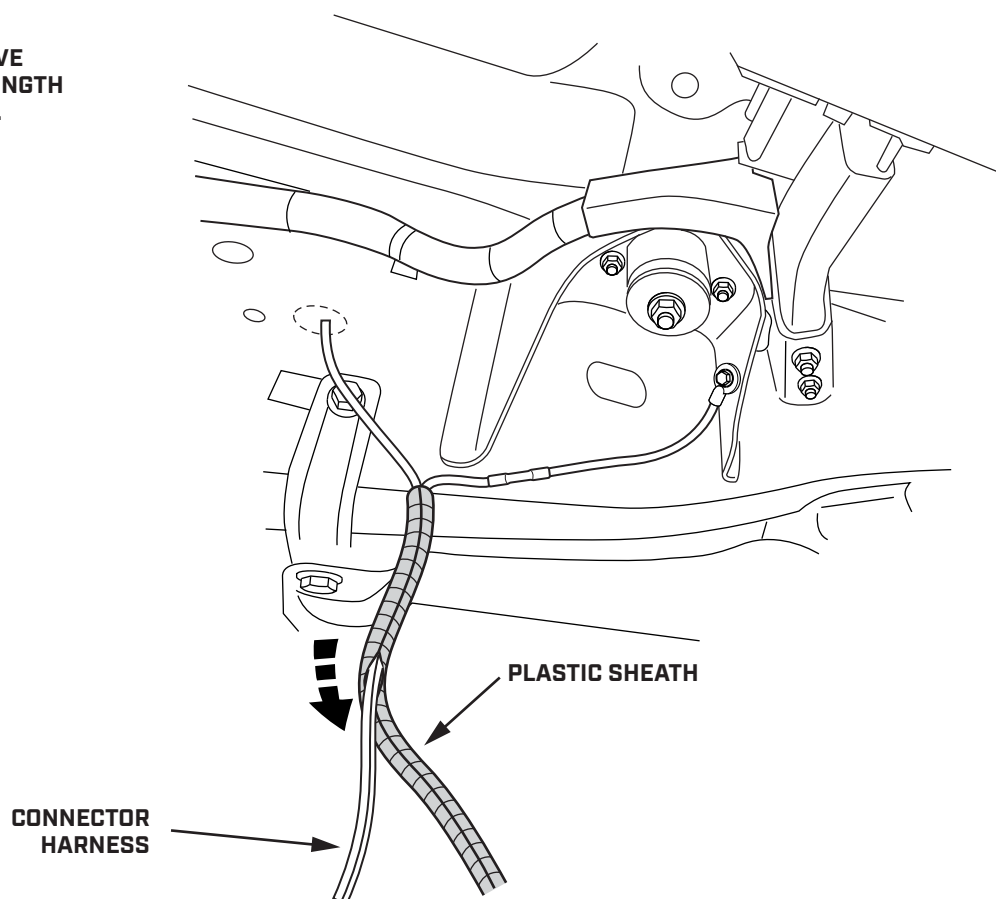
STEP 48

FROM UNDERNEATH THE VEHICLE,
SECURE THE NEGATIVE WIRE OF
THE CONNECTOR HARNESS TO THE
CHASSIS AT A SUITABLE LOCATION
UNDER THE VEHICLE.



STEP 49

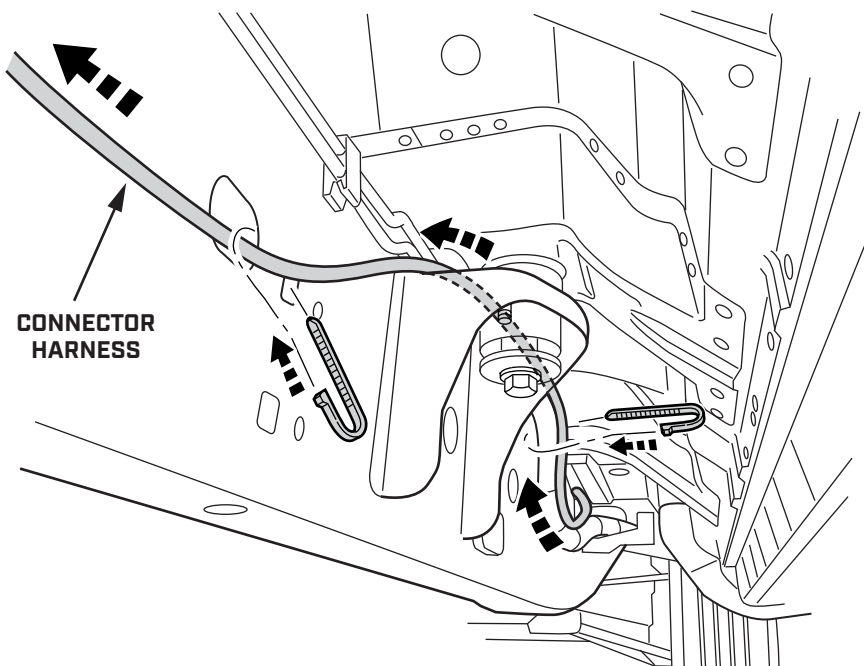
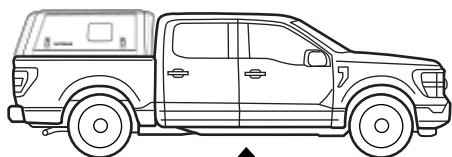
APPLY THE PLASTIC PROTECTIVE
SHEATH ALONG THE ENTIRE LENGTH
OF THE CONNECTOR HARNESS.



STEP 50

ROUTE THE CONNECTOR HARNESS TOWARDS THE REAR OF THE VEHICLE, ALONG THE FRAME OF THE CHASSIS.

SECURING TO THE VEHICLE WITH CABLE TIES AT APPROX. 6 INCH INTERVALS WHENEVER POSSIBLE.

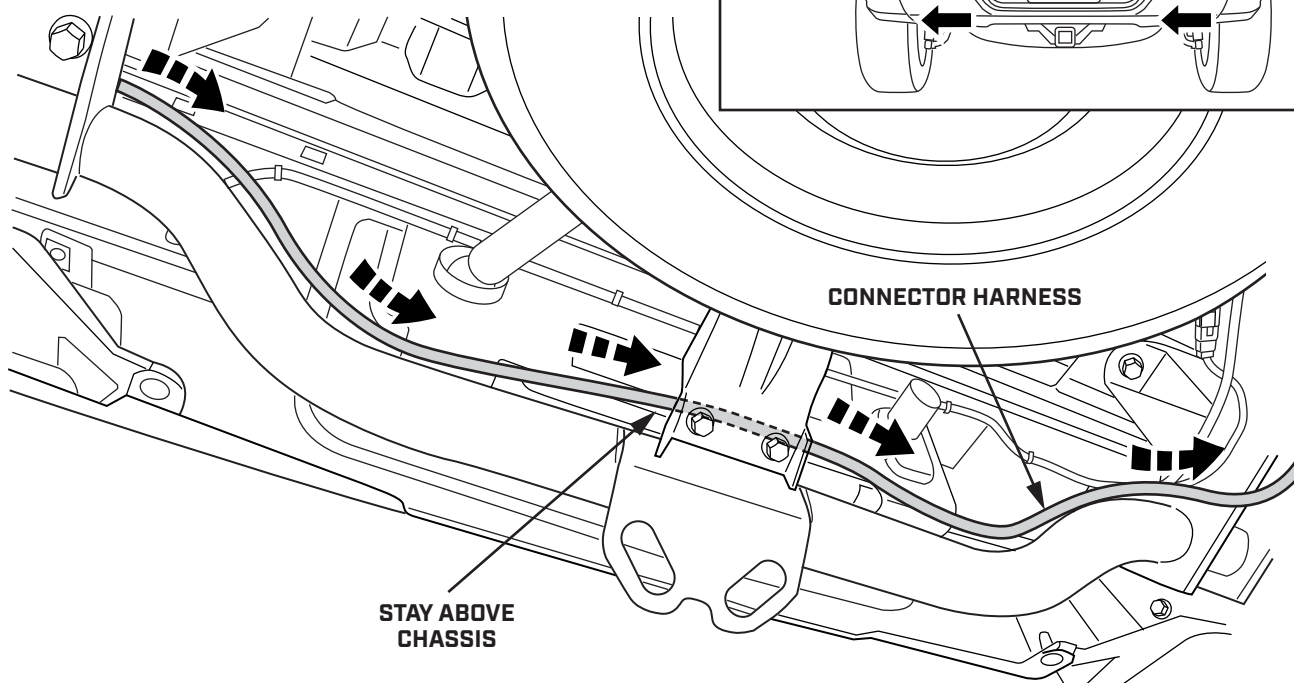
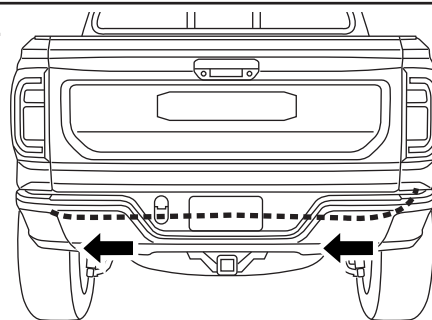


STEP 51

BEGIN ROUTING THE CONNECTOR HARNESS TOWARDS THE RIGHT SIDE OF THE TRUCK ALONG THE REAR BUMPER.

ROUTE THE HARNESS ABOVE THE CHASSIS AS SHOWN BELOW.

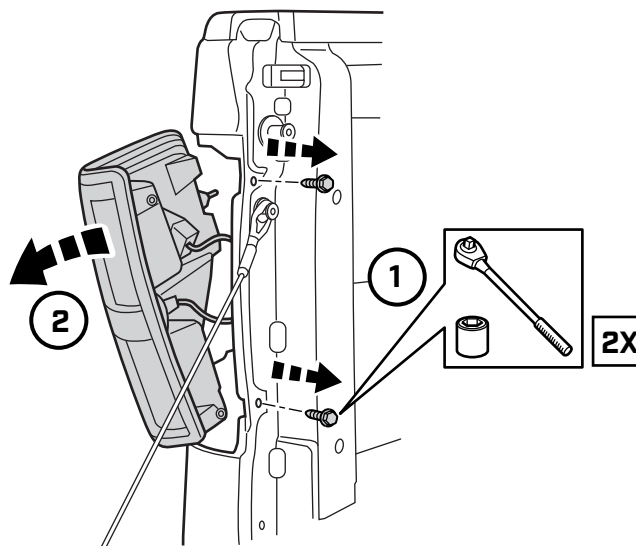
GENERAL ROUTING



STEP 52

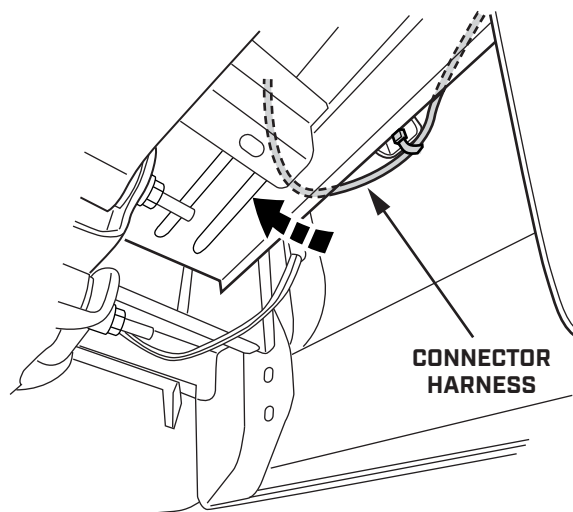
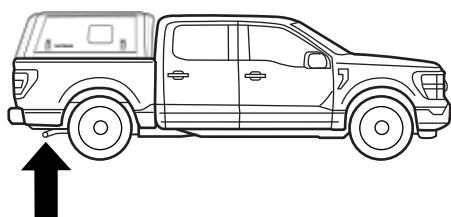
REMOVE THE BOLTS HOLDING THE DRIVER SIDE TAILLIGHT ASSEMBLY.

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



STEP 53

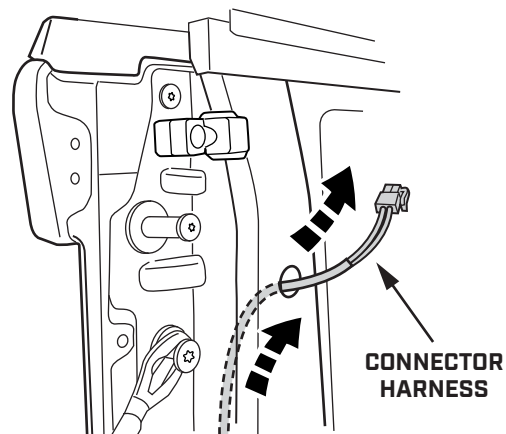
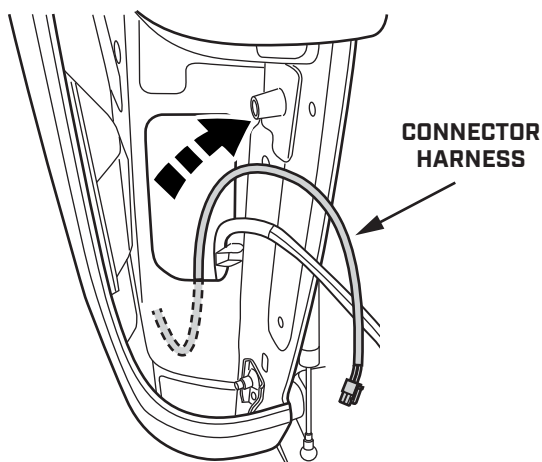
ROUTE THE CONNECTOR HARNESS UP TOWARDS THE TAILLIGHT CAVITY.



STEP 54

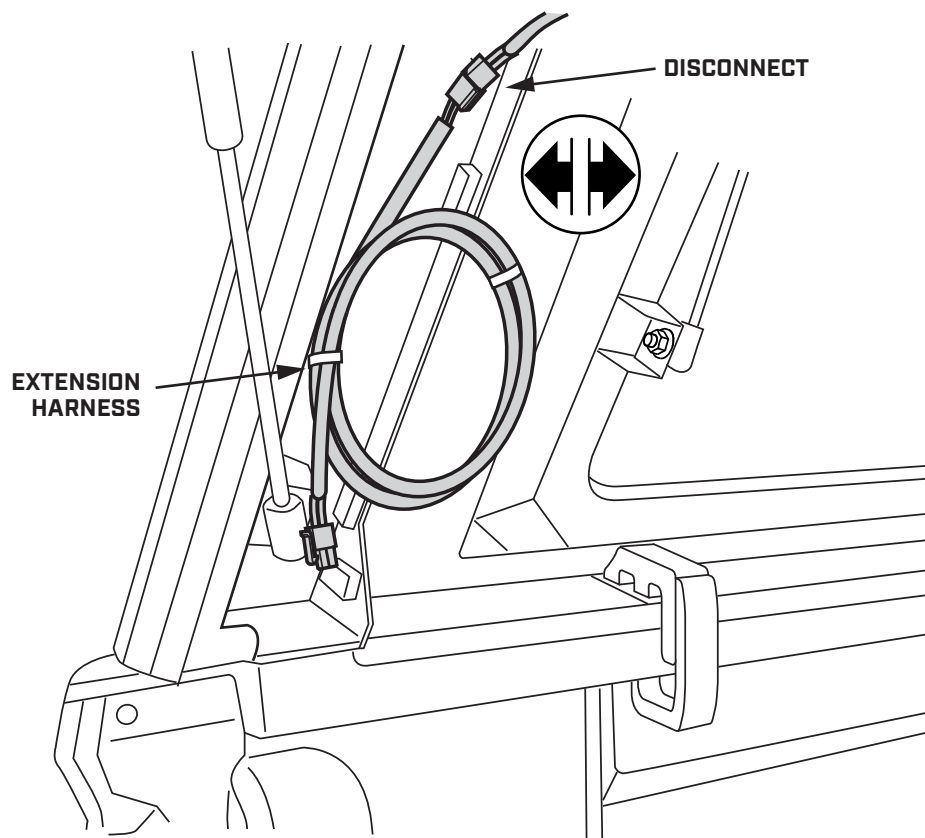
CAREFULLY PULL THE CONNECTOR HARNESS OUT THROUGH THE TAILLIGHT CAVITY.

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



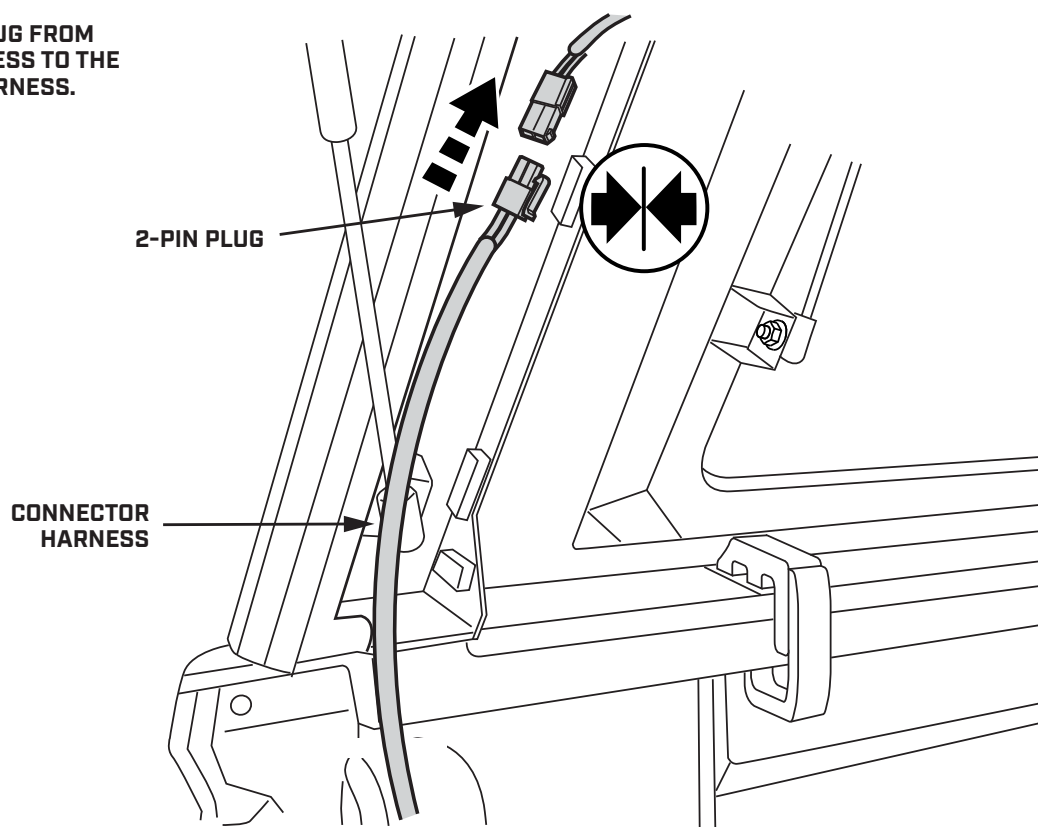
STEP 55

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



STEP 56

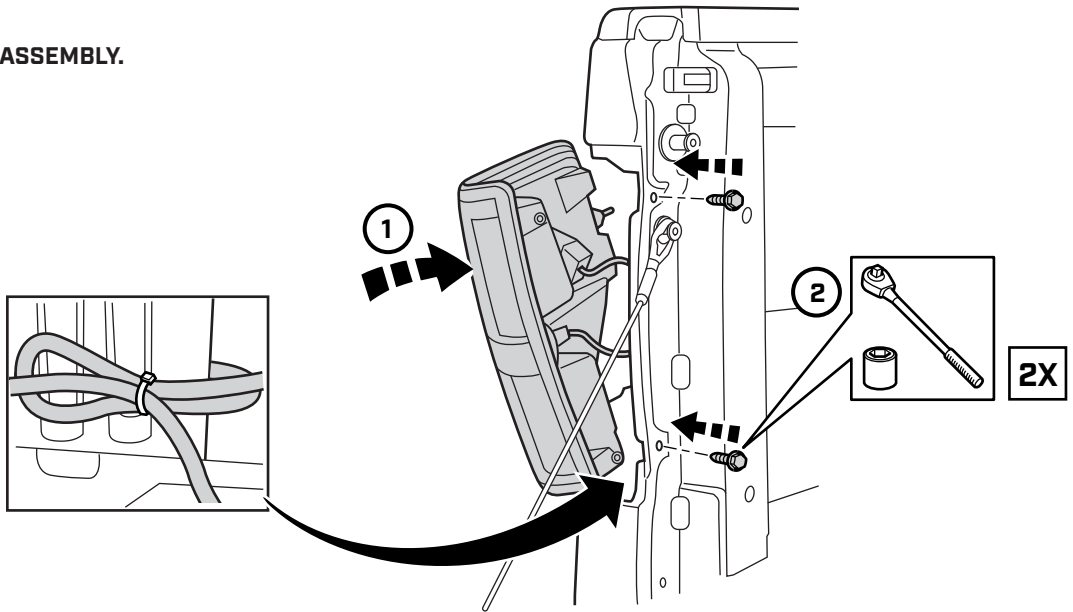
CONNECT THE 2-PIN PLUG FROM THE CONNECTOR HARNESS TO THE THIRD BRAKE LIGHT HARNESS.



STEP 57

REINSTALL THE TAILLIGHT ASSEMBLY.

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



STEP 58



TEST YOUR BRAKE LIGHTS & TURN SIGNALS

- ▼ START THE TRUCK. SOME MODELS MAY TAKE UP TO 30 SECONDS FOR THE VEHICLE TO DETECT THE NEW CONNECTION.
- ▼ CHECK THE BRAKE LIGHTS AND TURN SIGNALS TO BE SURE THEY ARE FUNCTIONING PROPERLY.
- ▼ ONCE YOU HAVE CONFIRMED THAT THE LIGHTS ARE WORKING CORRECTLY, SECURE THE HARNESS WITH CABLE TIES.
- ▼ BE SURE NOT TO INTERFERE WITH ANY MOVING PARTS ON THE VEHICLE.

SMARTCAP[®]

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

