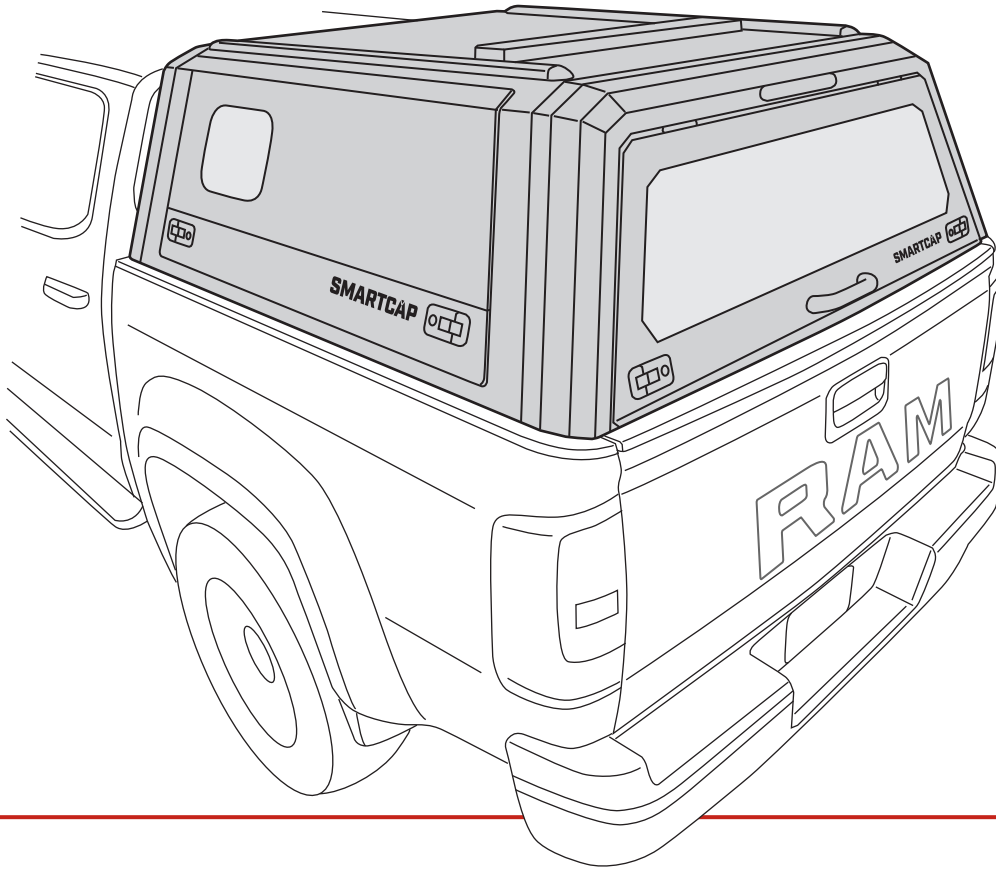


SMARTCAP®

INSTRUCTION GUIDE

RAM EDITION

2009-2022

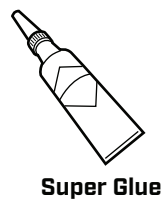
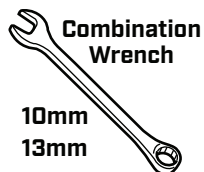
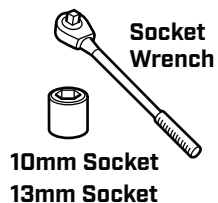


- ▼ **READ THROUGH THE ENTIRE INSTRUCTION GUIDE BEFORE STARTING THIS PROCEDURE AND FOLLOW THE STEPS CAREFULLY TO AVOID ANY DAMAGE TO THE COMPONENTS OR THE VEHICLE.**

SMARTCAP.COM - SUPPORT.NA@SMARTCAP.COM - NORTH AMERICA



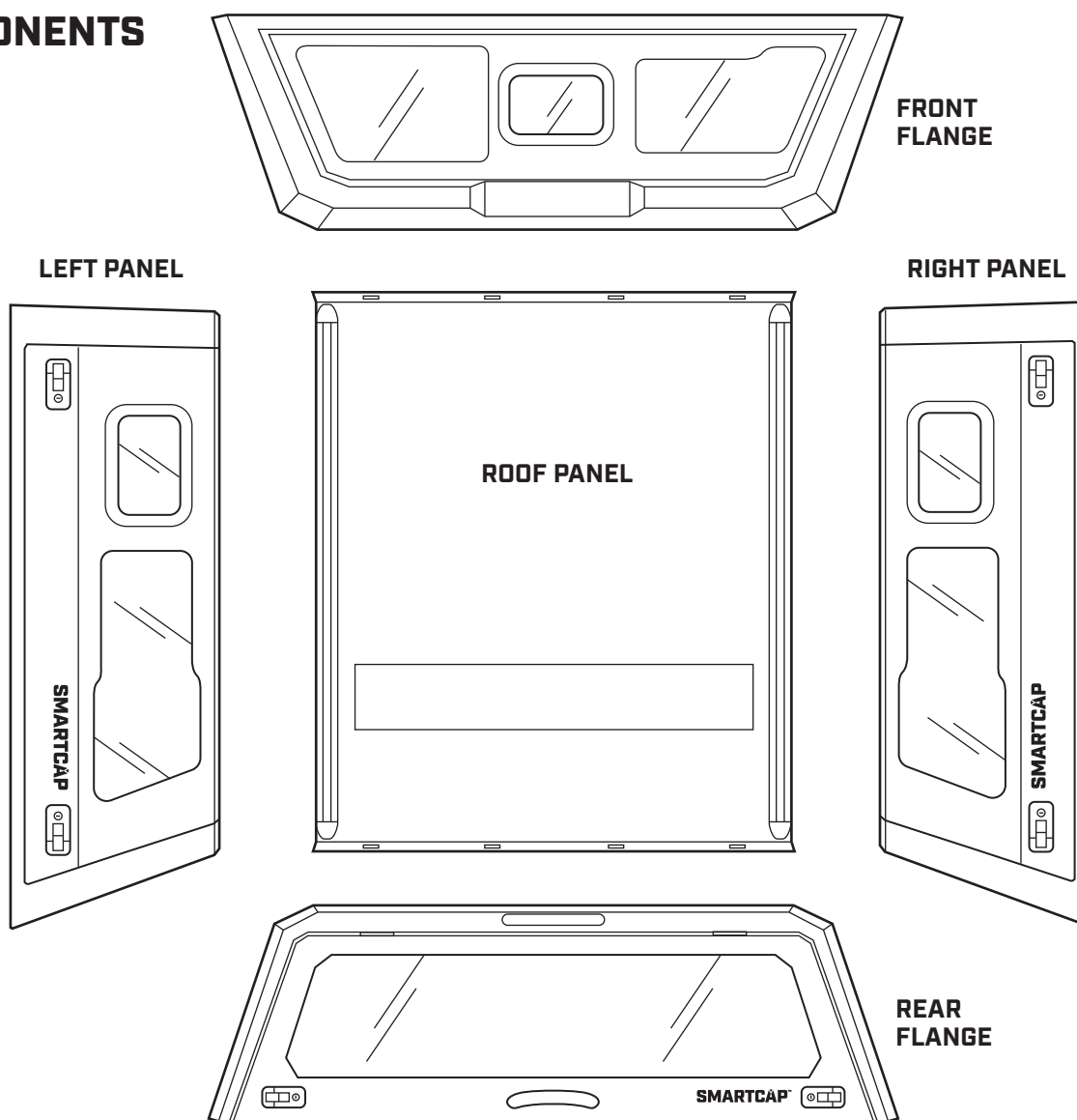
TOOLS REQUIRED



IMPORTANT

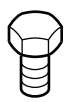
- ▼ USE ONLY THE TOOLS RECOMMENDED ABOVE.
- ▼ USE ONLY THE HARDWARE PROVIDED IN THIS KIT.
- ▼ ASSISTANCE WILL BE NEEDED FOR THIS INSTALLATION. FOUR PEOPLE ARE RECOMMENDED TO LIFT THE SMARTCAP ONTO THE VEHICLE.
- ▼ AVOID PINCHING OR CRUSHING HANDS AND FINGERS.
- ▼ INSPECT ALL KIT COMPONENTS FOR DAMAGE BEFORE ASSEMBLY.
- ▼ NEVER USE ACETONE OR THINNERS ON PAINTED PARTS.

COMPONENTS

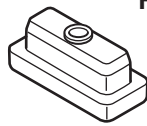


ASSEMBLY HARDWARE

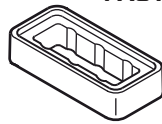
[PRE-FASTENED TO FLANGES]



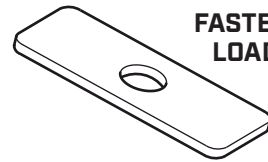
M6
BOLT
28X



FASTENER
BLOCK
28X



FASTENER BLOCK
CLAMP
28X



FASTENER BLOCK
LOADSPREADER
28X



M6 LOCK
WASHER
28X

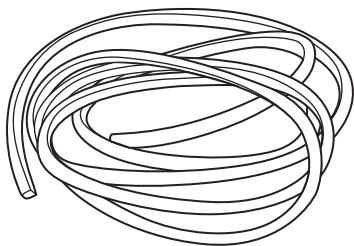


M6
LOCK
NUT
10X SHORT BED
12X STANDARD BED

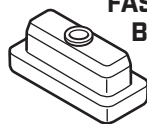


M6
FENDER
WASHER
10X SHORT BED
12X STANDARD BED

SPARE HARDWARE 1X



D - RUBBER
1X



FASTENER
BLOCK



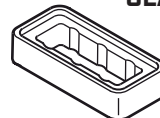
M6 BOLT



M6 FENDER
WASHER



M6 LOCK
NUT



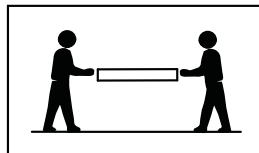
FASTENER BLOCK
CLAMP



FASTENER BLOCK
LOADSPREADER

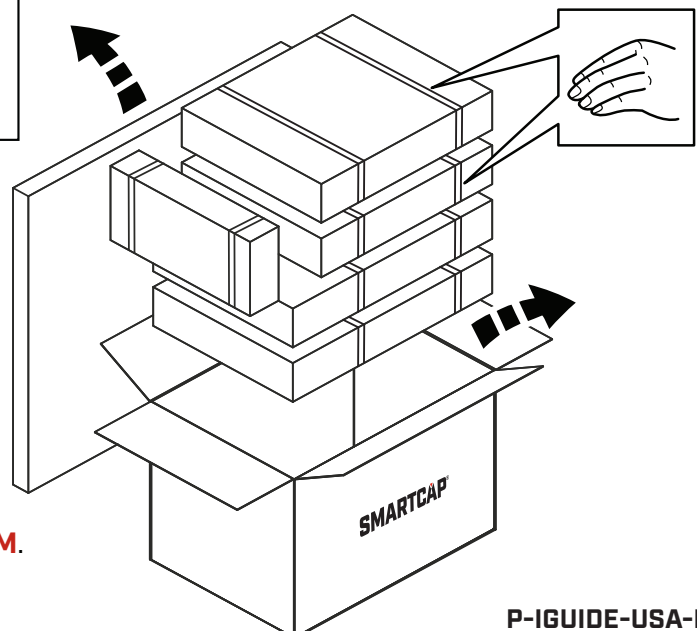


STEP 1



IMPORTANT

- ▼ BE SURE TO REMOVE ALL FIVE PANELS FROM THEIR PACKAGING AND INSPECT THE PAINTED SURFACES PRIOR TO ASSEMBLY, AS SMARTCAP WILL NOT ACCEPT PAINT DAMAGE WARRANTY CLAIMS AFTER ASSEMBLY IS COMPLETED. IF MANUFACTURING IMPERFECTIONS OR SHIPPING DAMAGES ARE FOUND DO NOT CONTINUE WITH THE ASSEMBLY PROCESS AND CONTACT SUPPORT.NA@SMARTCAP.COM.

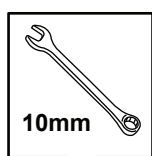
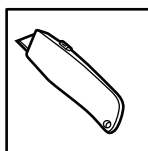
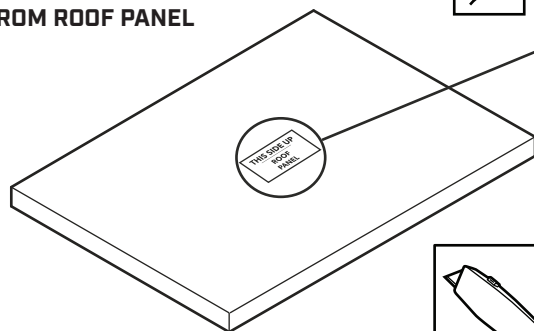


STEP 2

REMOVE ALL HARDWARE
FROM ROOF PANEL



THIS SIDE UP
ROOF
PANEL



10mm

M6
LOCK NUT

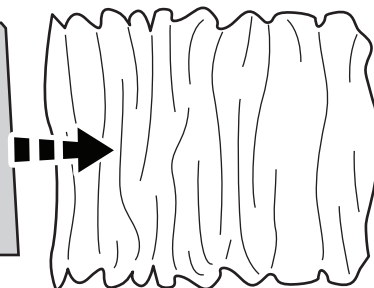
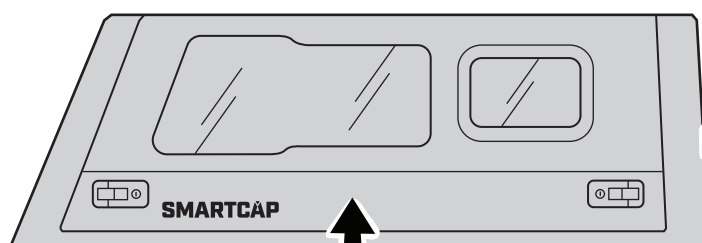
M6
FENDER
WASHER

10X SHORT BED
12X STANDARD BED

ROOF PANEL

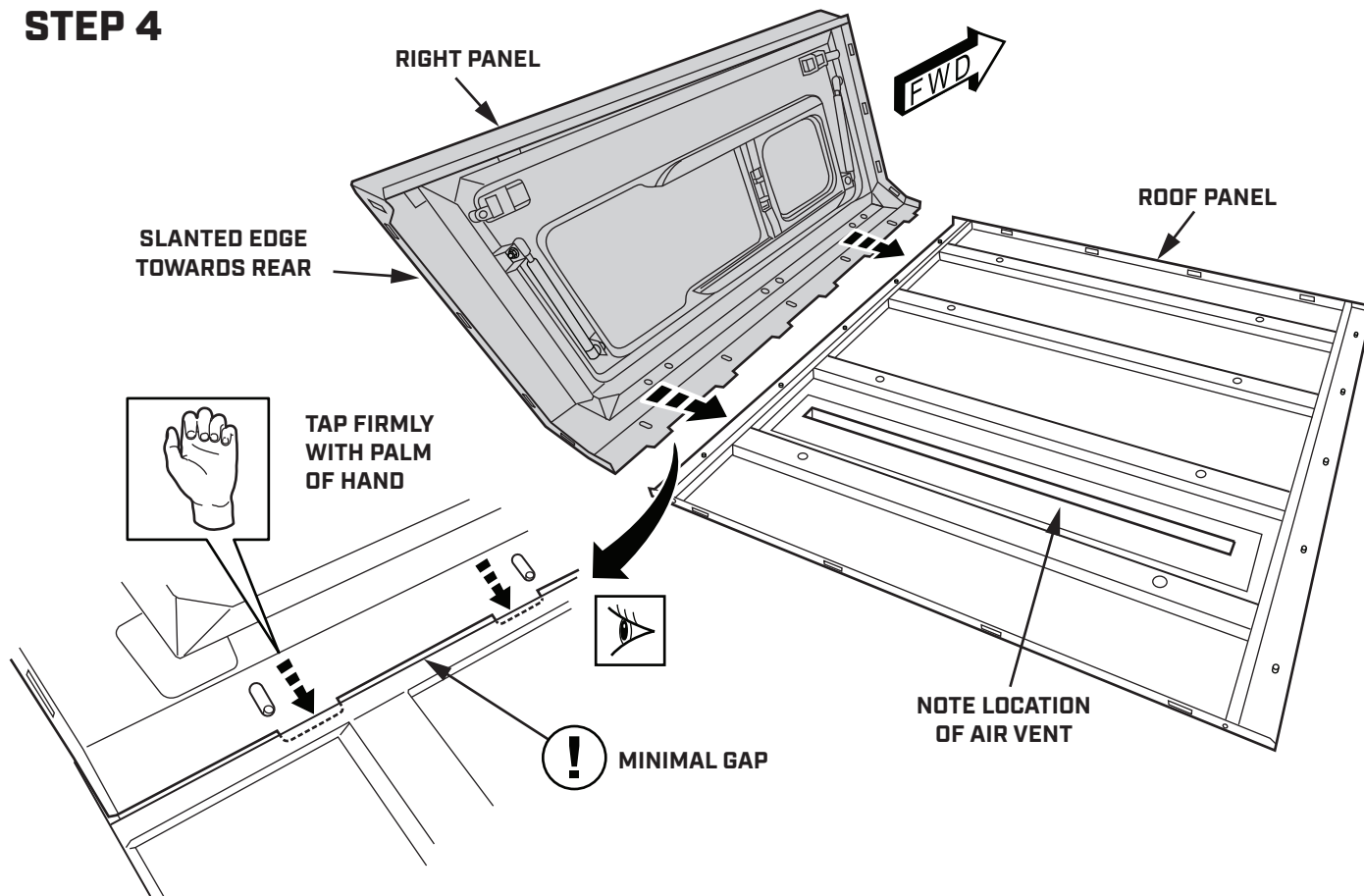
[USE THE CARDBOARD
AS A WORK SURFACE]

STEP 3

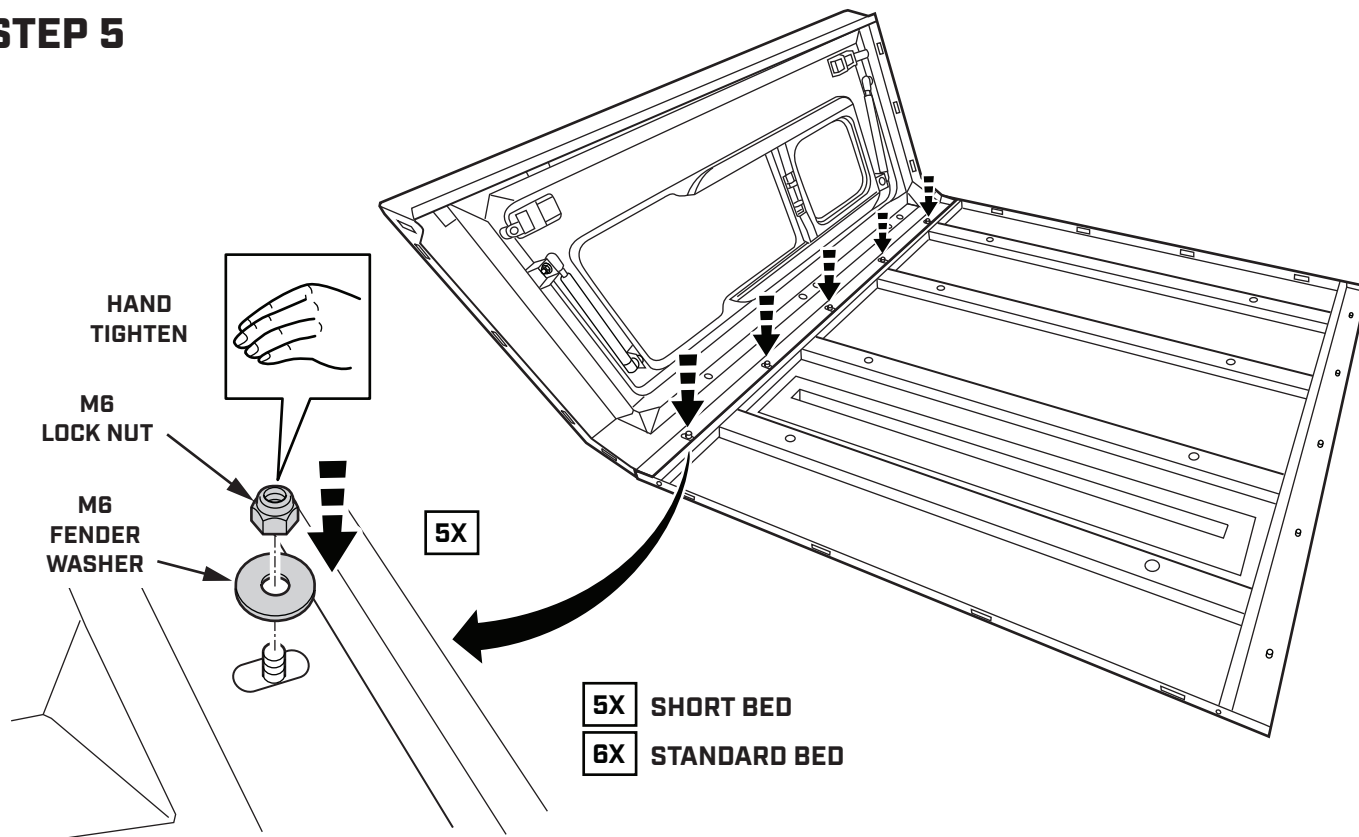


RIGHT PANEL

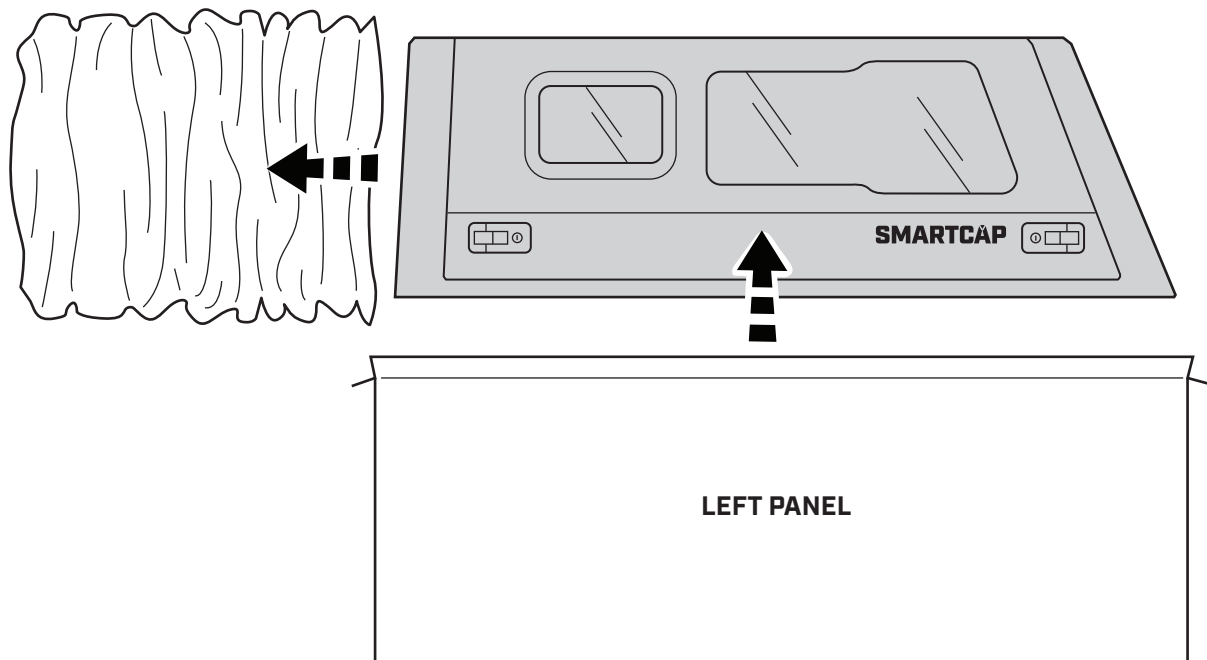
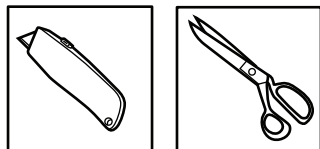
STEP 4



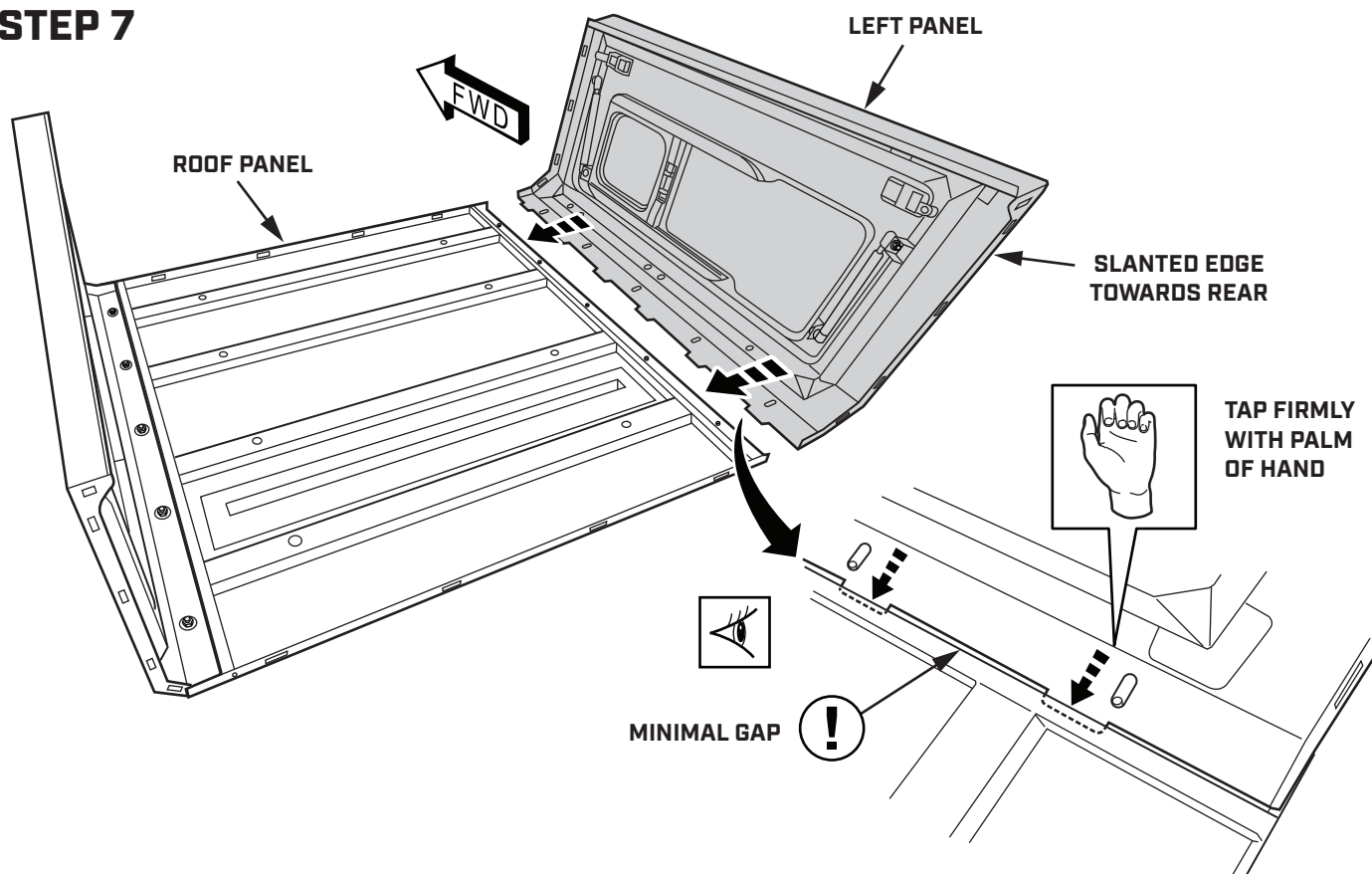
STEP 5



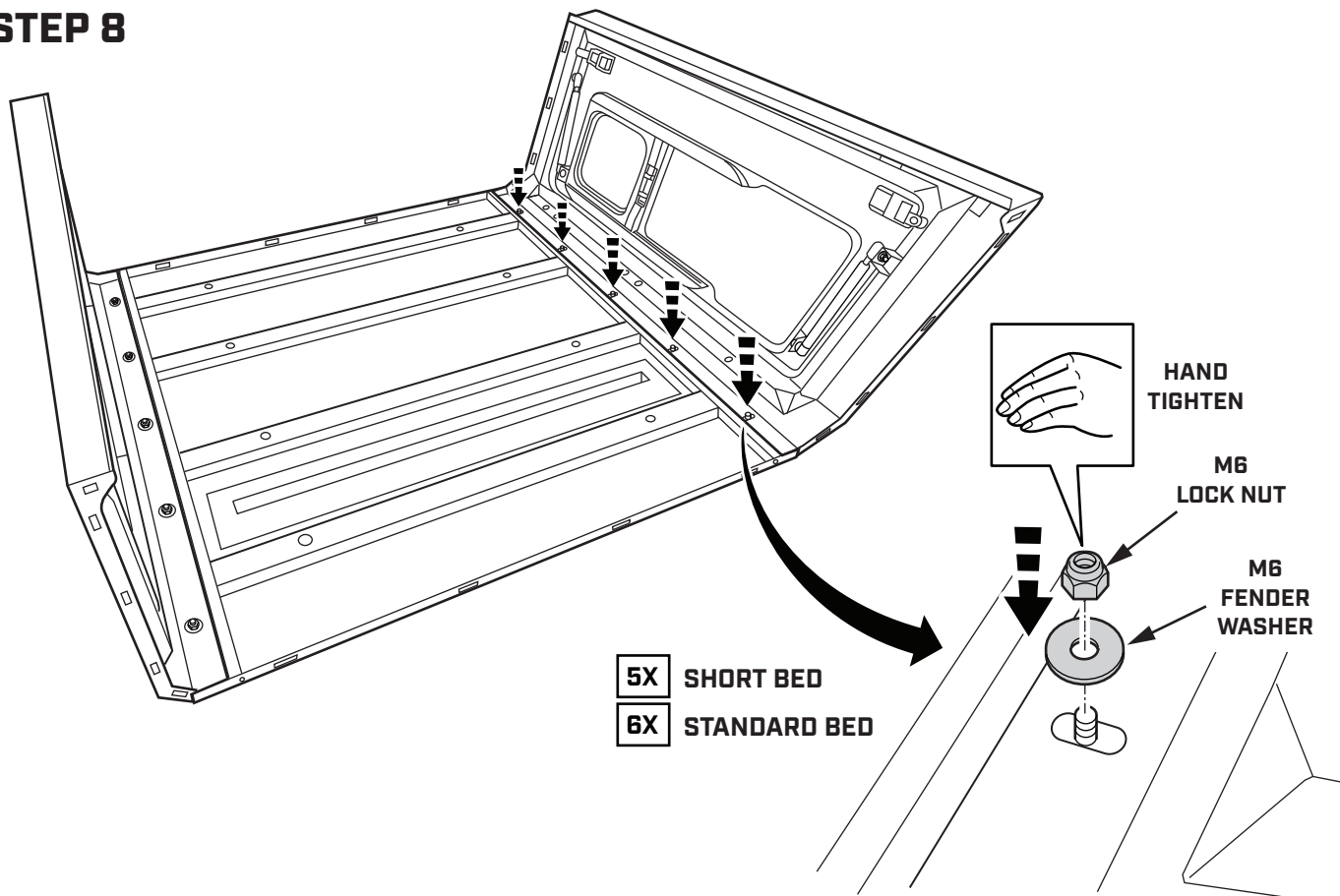
STEP 6



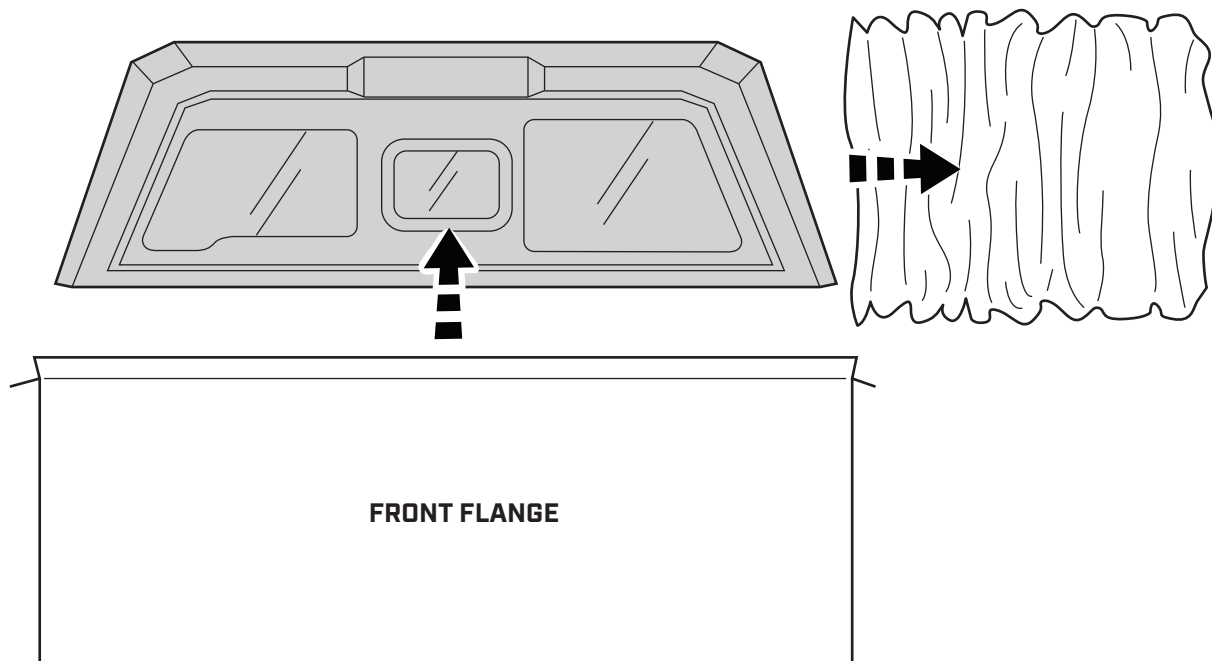
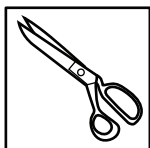
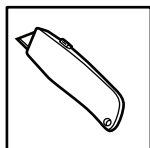
STEP 7



STEP 8

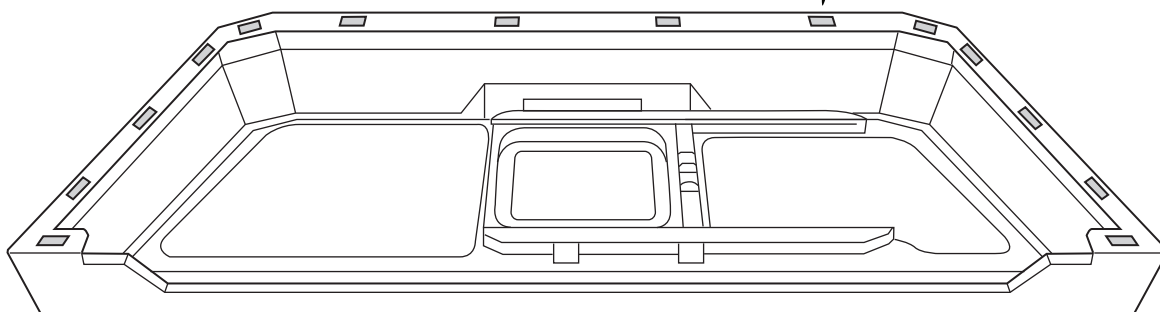
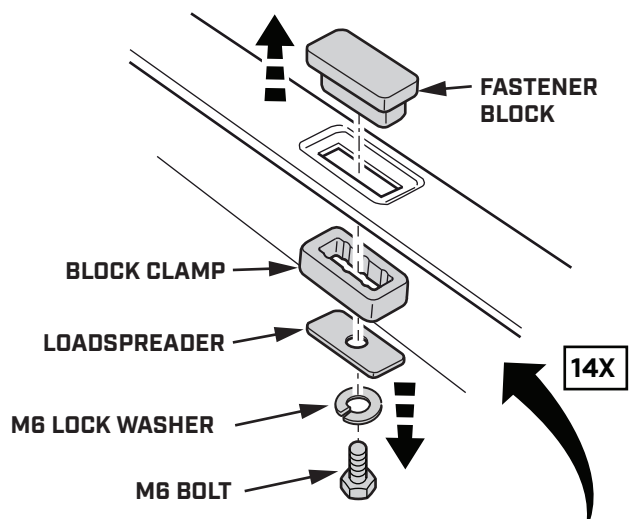
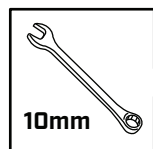


STEP 9

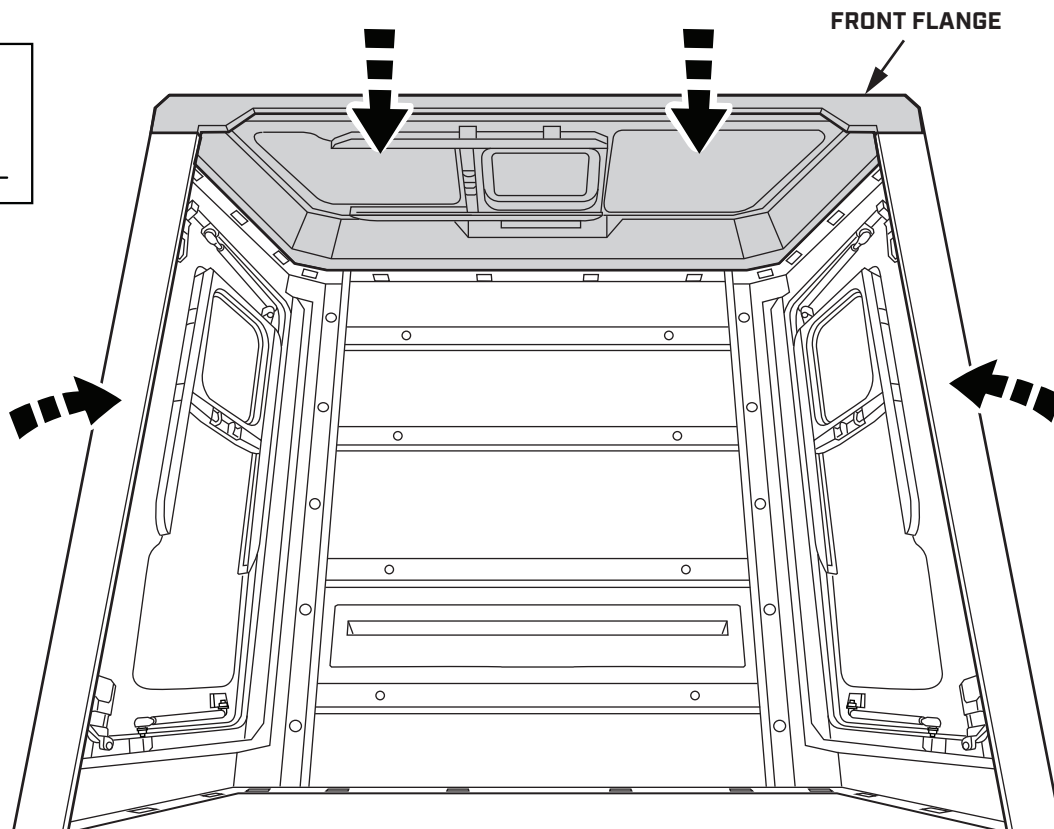
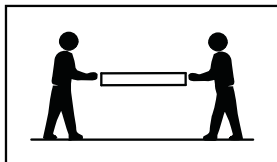


STEP 10

REMOVE ALL HARDWARE
FROM FRONT FLANGE



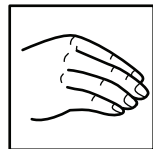
STEP 11



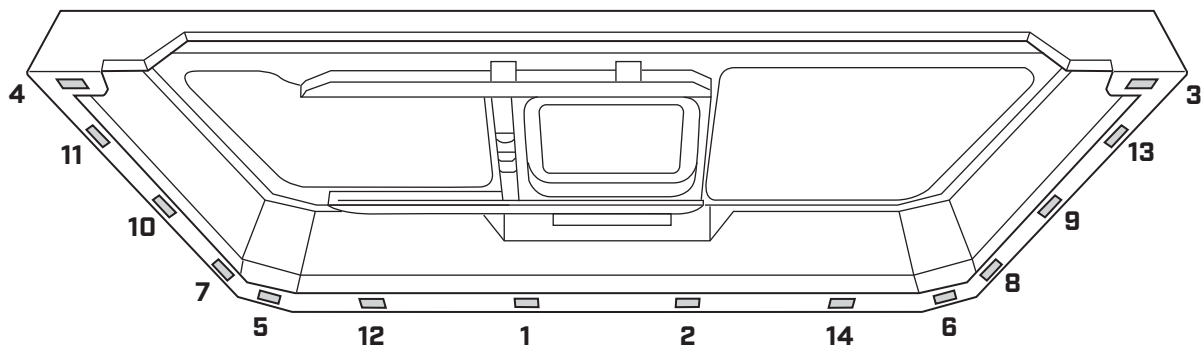
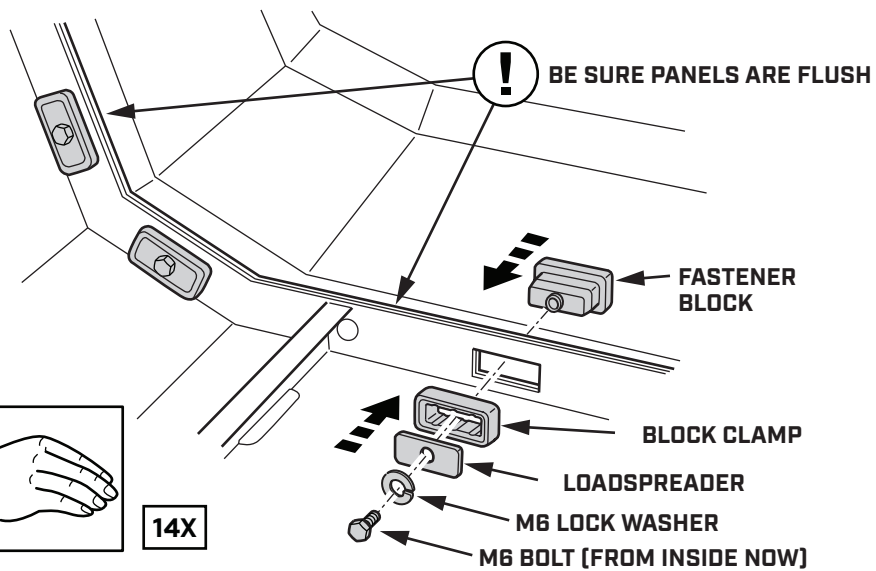
STEP 12

INSTALL HARDWARE
ALONG FRONT FLANGE
WITH BOLT ON INSIDE

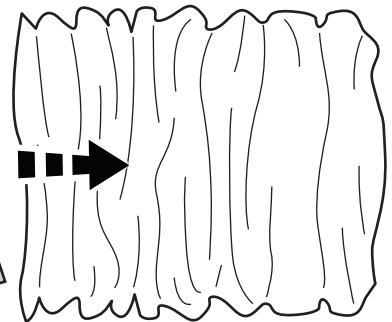
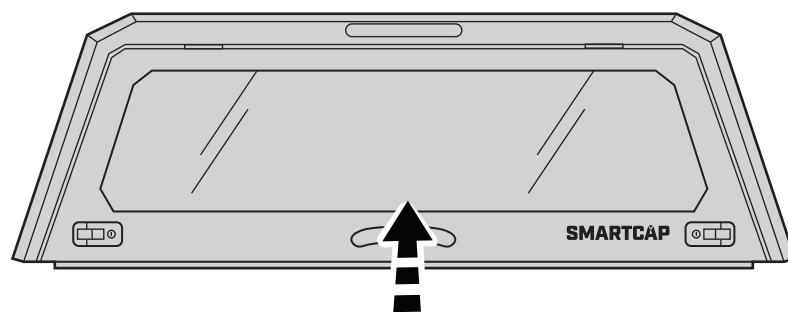
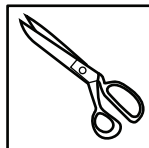
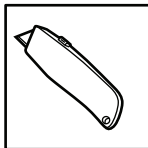
HAND TIGHTEN IN THE
SEQUENCE SHOWN



14X



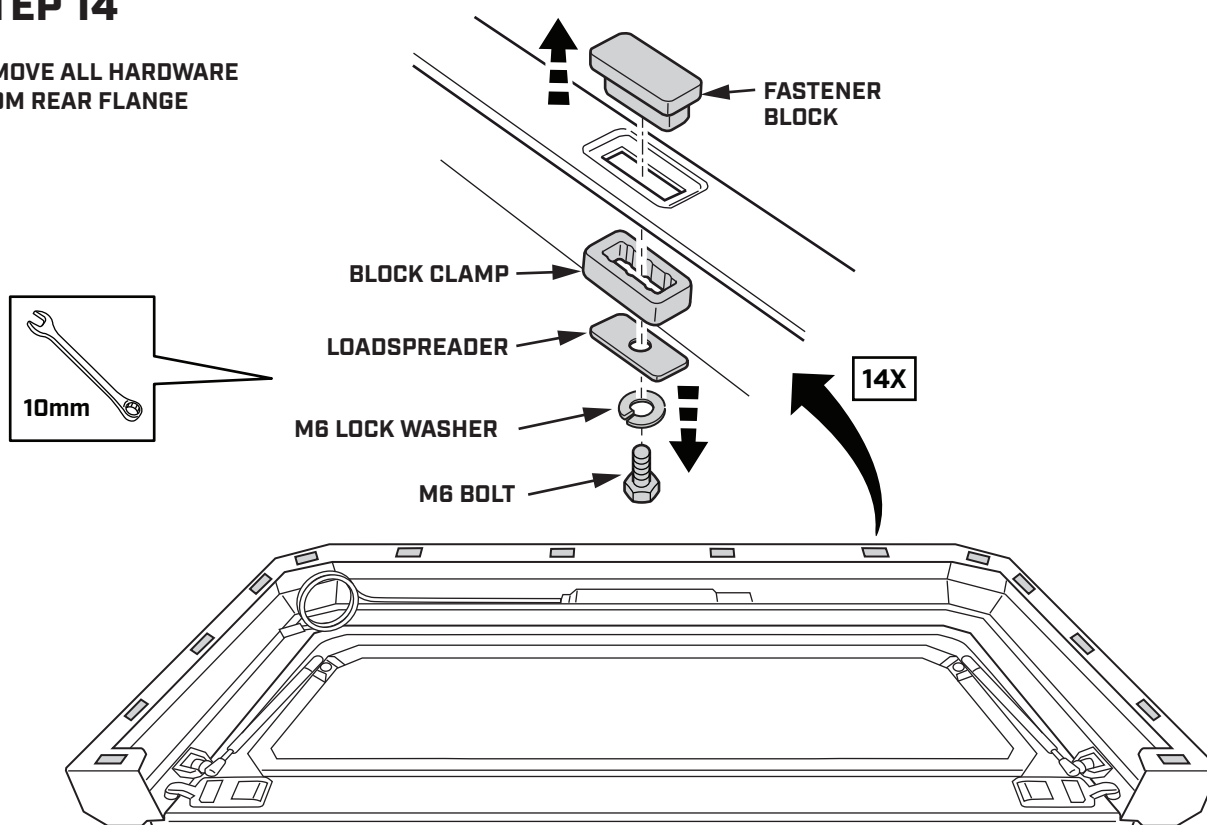
STEP 13



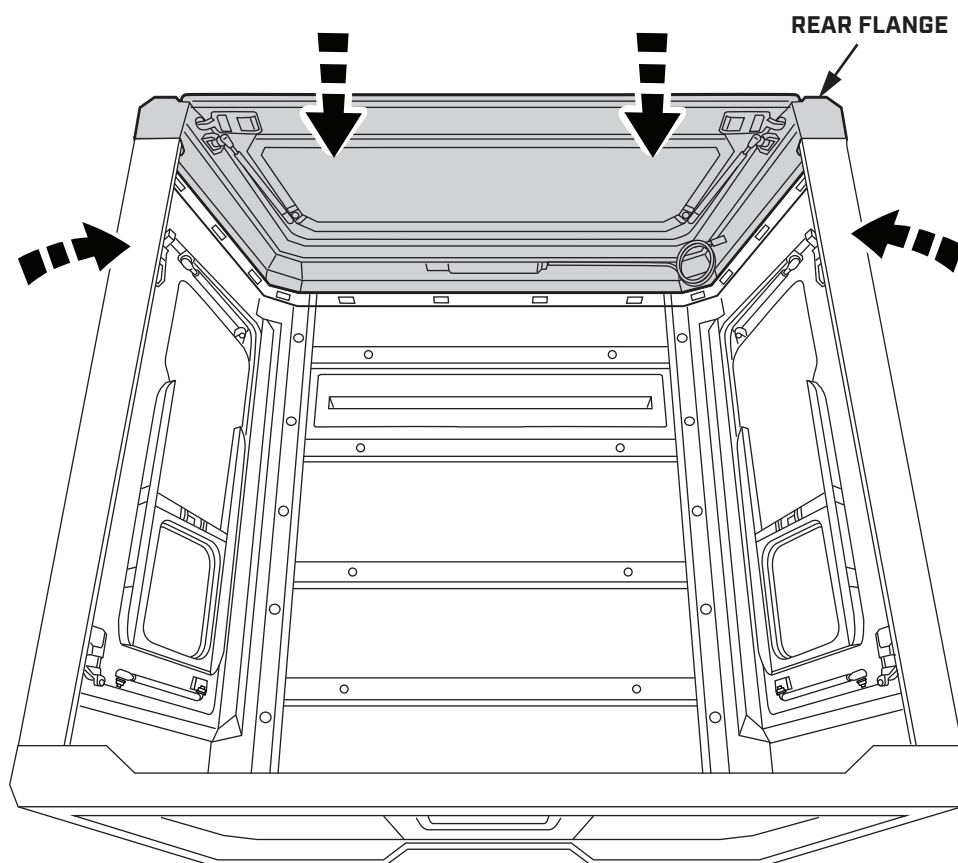
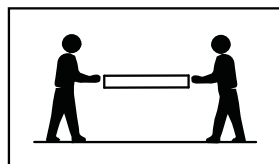
REAR FLANGE

STEP 14

REMOVE ALL HARDWARE
FROM REAR FLANGE



STEP 15



STEP 16

INSTALL HARDWARE
ALONG REAR FLANGE
WITH BOLT ON INSIDE

HAND TIGHTEN IN THE
SEQUENCE SHOWN



14X



BE SURE PANELS ARE FLUSH

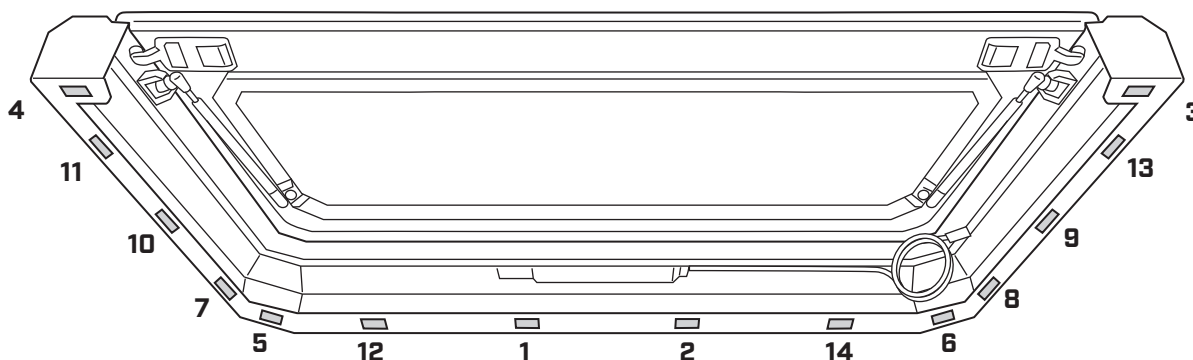
FASTENER
BLOCK

BLOCK CLAMP

LOADSPREADER

M6 LOCK WASHER

M6 BOLT (FROM INSIDE NOW)



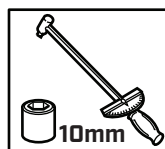
STEP 17

TIGHTEN ALL HARDWARE
WITH TORQUE WRENCH
AND 10mm SOCKET

14X

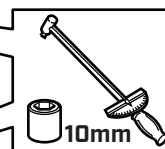
Min 6 N m
Max 12 N m
[4.4 lbs. ft.]

10mm



5X

Min 6 N m
Max 12 N m
[4.4 lbs. ft.]



5X

Min 6 N m
Max 12 N m
[4.4 lbs. ft.]

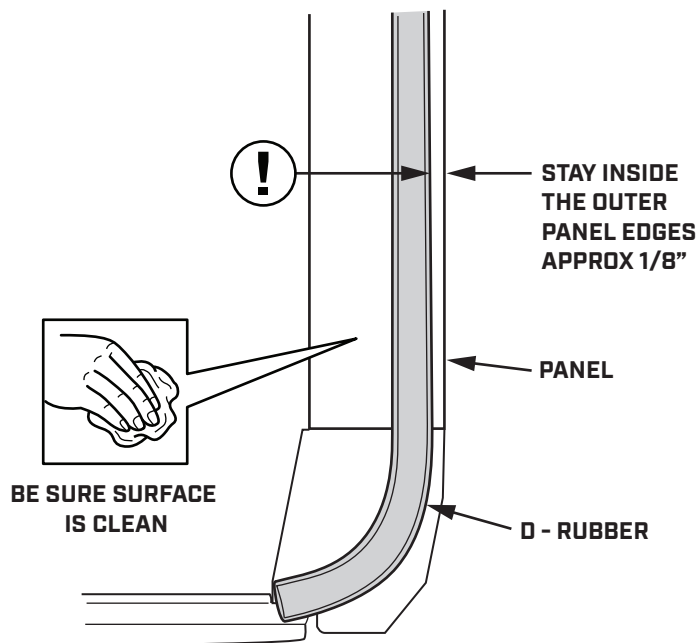
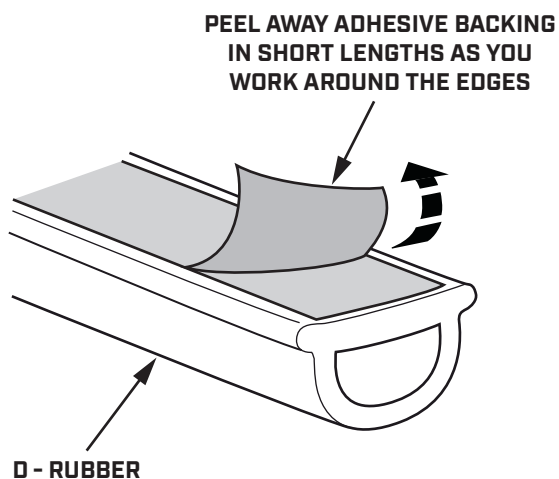


14X

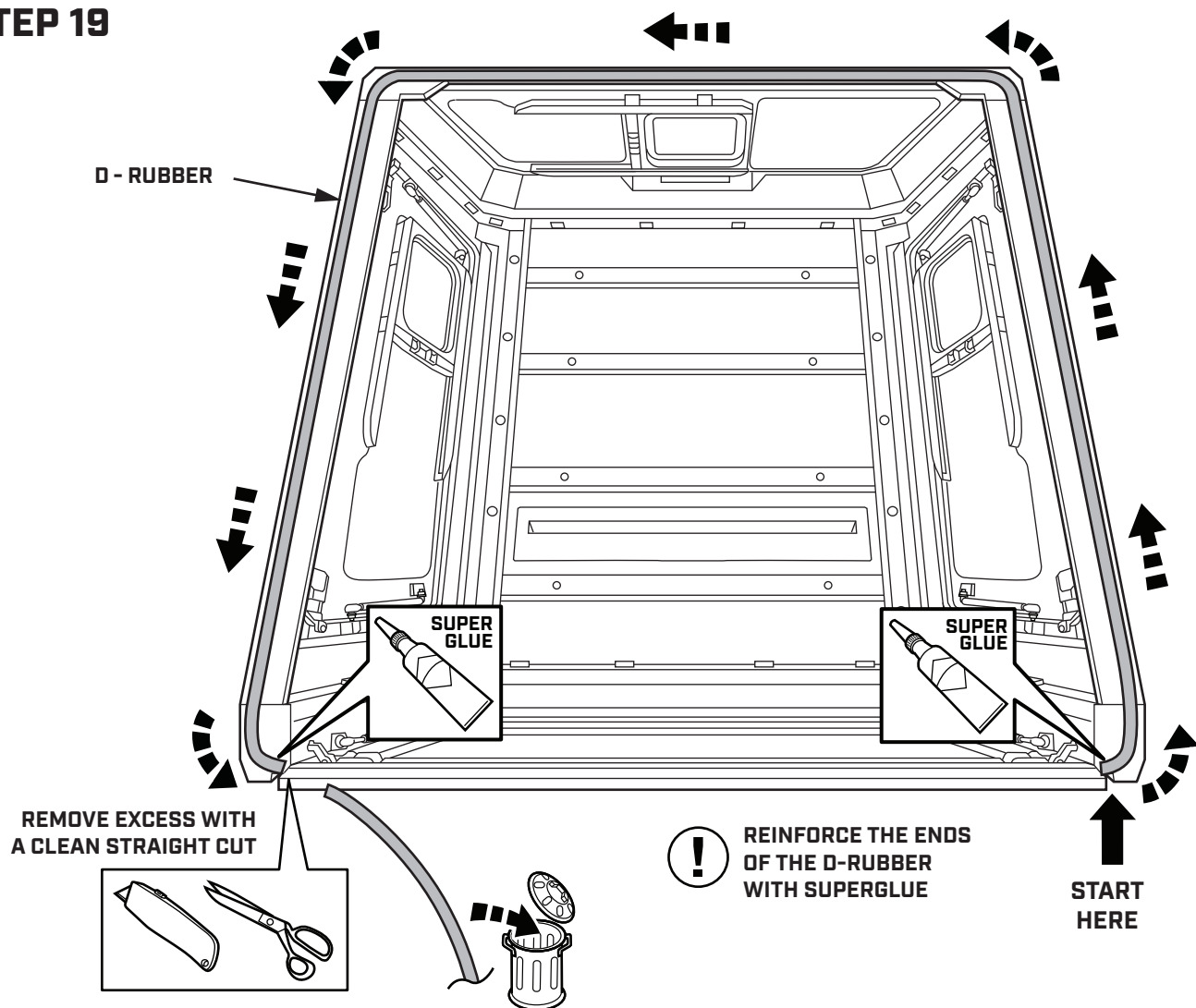
Min 6 N m
Max 12 N m
[4.4 lbs. ft.]

STEP 18

APPLY D - RUBBER
TO BOTTOM OF SMARTCAP



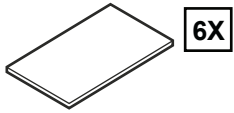
STEP 19



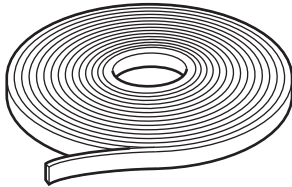
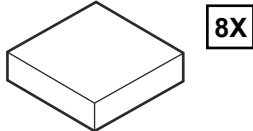
VEHICLE INSTALLATION

ASSEMBLY HARDWARE

THIN RUBBER PAD

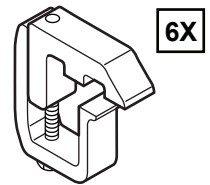


THICK RUBBER PAD



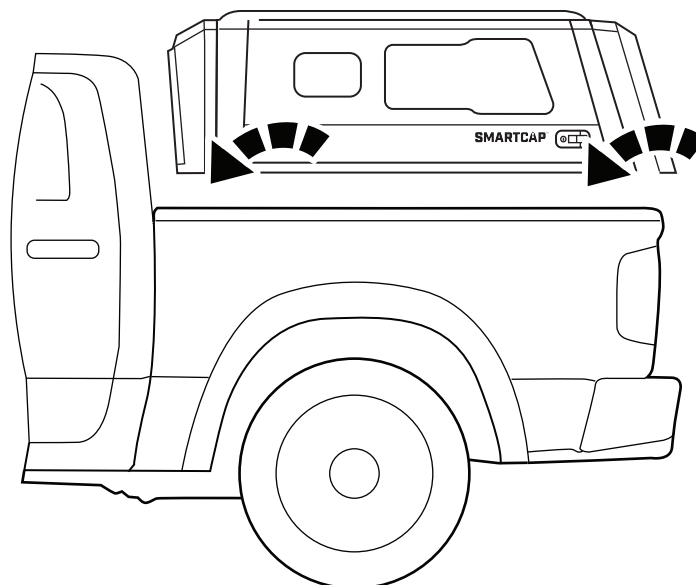
5mm **1X**
FOAM SEAL TAPE

MOUNTING CLAMP



IMPORTANT

- ▼ ASSISTANTS WILL BE NEEDED FOR THIS INSTALLATION. FOUR PEOPLE ARE RECOMMENDED TO LIFT THE SMARTCAP ONTO THE VEHICLE.
- ▼ AVOID PINCHING OR CRUSHING HANDS AND FINGERS.
- ▼ 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 AND TRAILER PLUG WILL FUNCTION PROPERLY.
- ▼ USE A TEST LIGHT TO CHECK FOR SUCCESSFUL INSTALLATION.

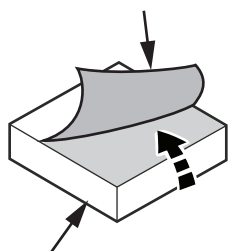


STEP 20

REMOVE THE ADHESIVE BACKING
FROM THE THICK RUBBER PAD

STICK THE PADS UNDER THE
SMARTCAP'S EDGE AT RECOMMENDED
LOCATION OF MOUNTING CLAMPS

PEEL AWAY
ADHESIVE BACKING

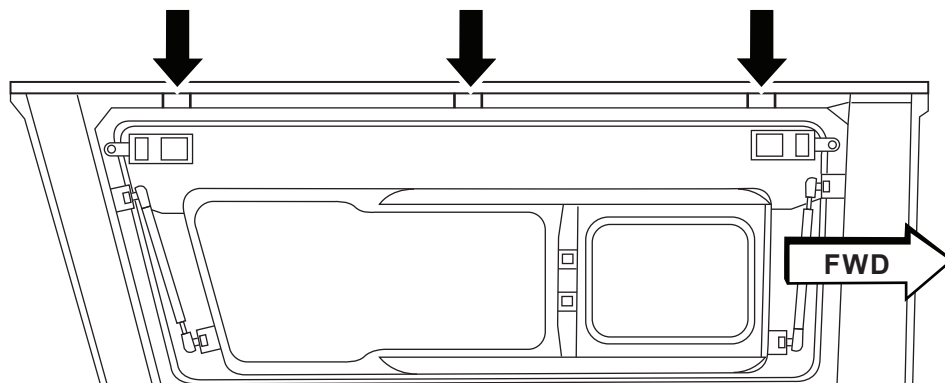


THICK RUBBER PAD

GUSSET

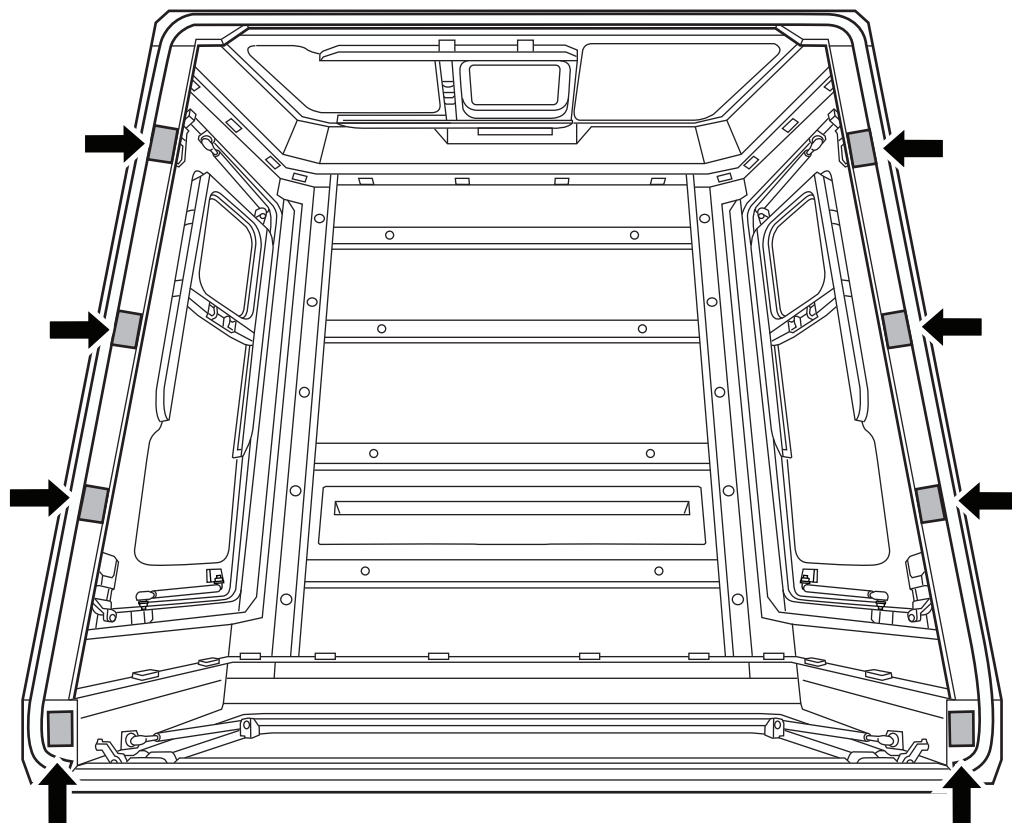
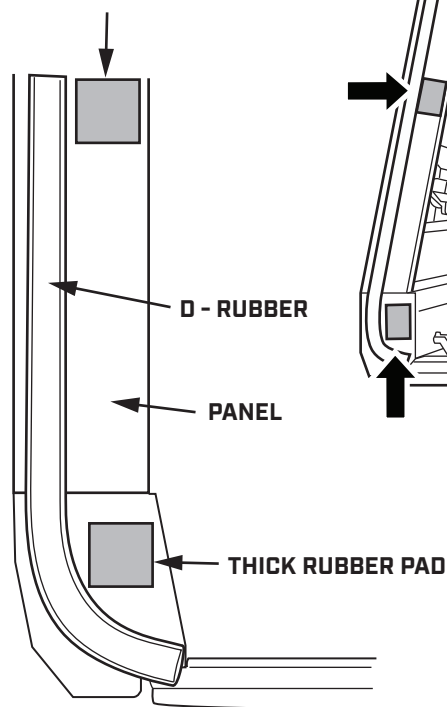
GUSSET

GUSSET



NOTE THE RECOMMENDED LOCATIONS FOR THE
MOUNTING CLAMPS INSIDE BOTH SIDES OF THE SMARTCAP.

THICK RUBBER PAD

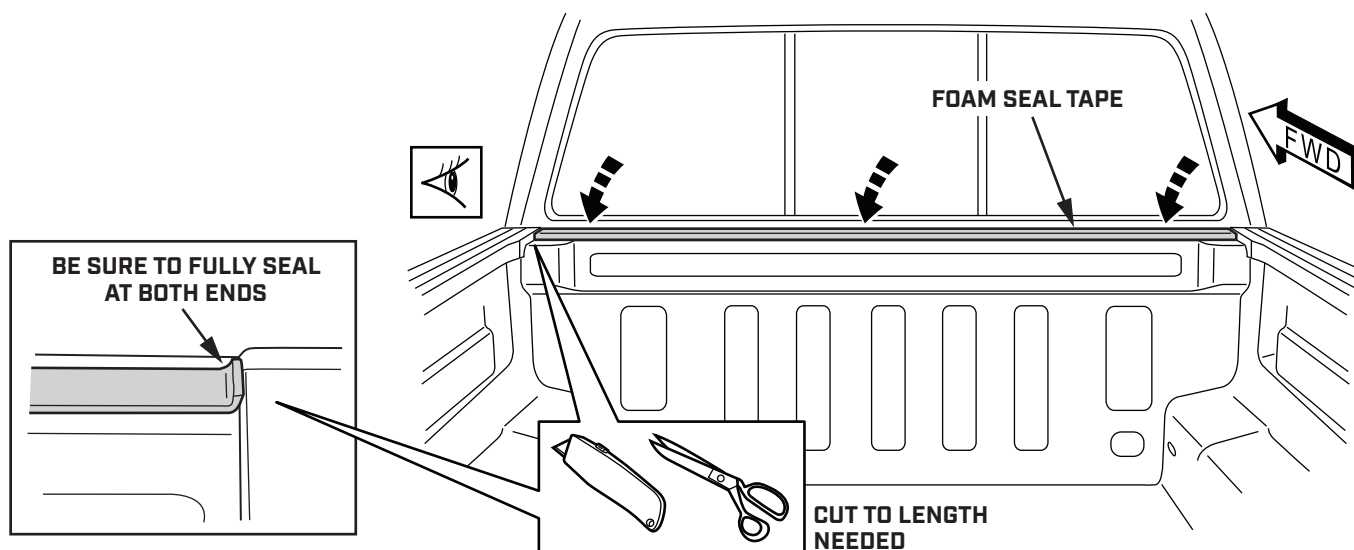
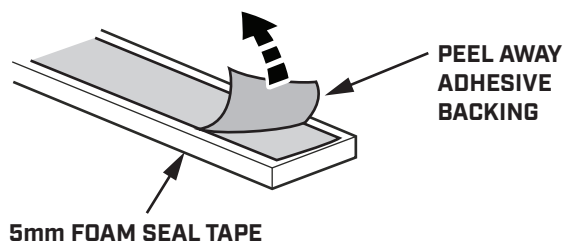


NOTE: TWO EXTRA PADS CAN BE INSTALLED
AS SPACERS FOR FURTHER SUPPORT

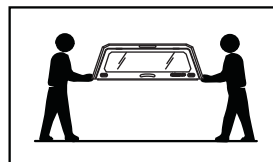
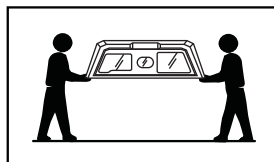
STEP 21

INSPECT THE TRUCK BED

IF FRONT EDGE IS LOWER THAN THE SIDES,
ADD FOAM SEAL TAPE TO THE FRONT EDGE OF THE BED



STEP 22

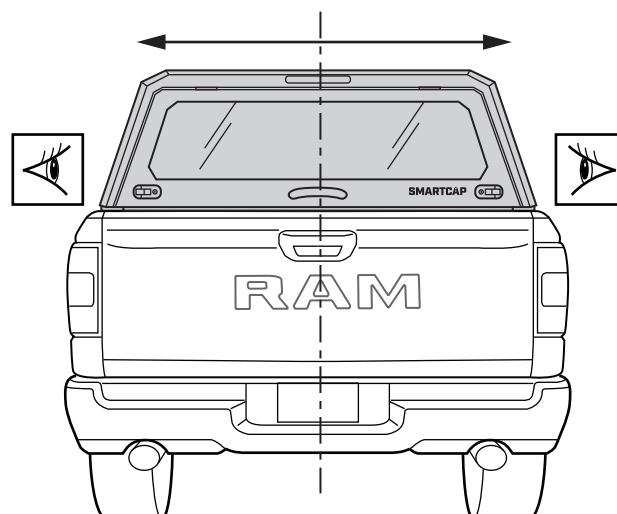
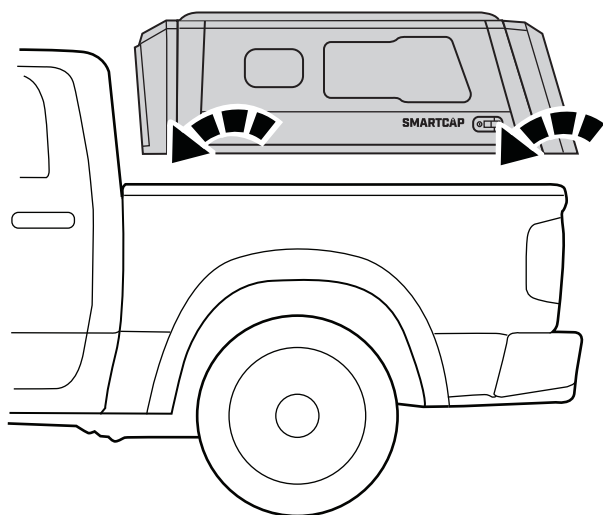


LIFT THE ASSEMBLED SMARTCAP ONTO THE TRUCK BED



**BE SURE TO NOT SCRAPE OR
DAMAGE THE D-RUBBER**

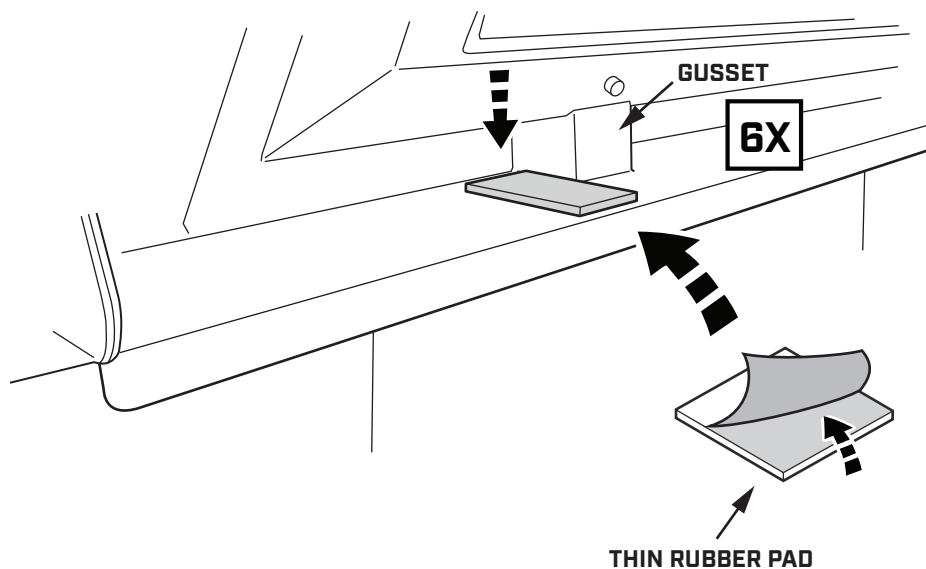
CHECK THAT THE SMARTCAP IS
PROPERLY POSITIONED AND
CENTERED ON THE TRUCK BED



STEP 23

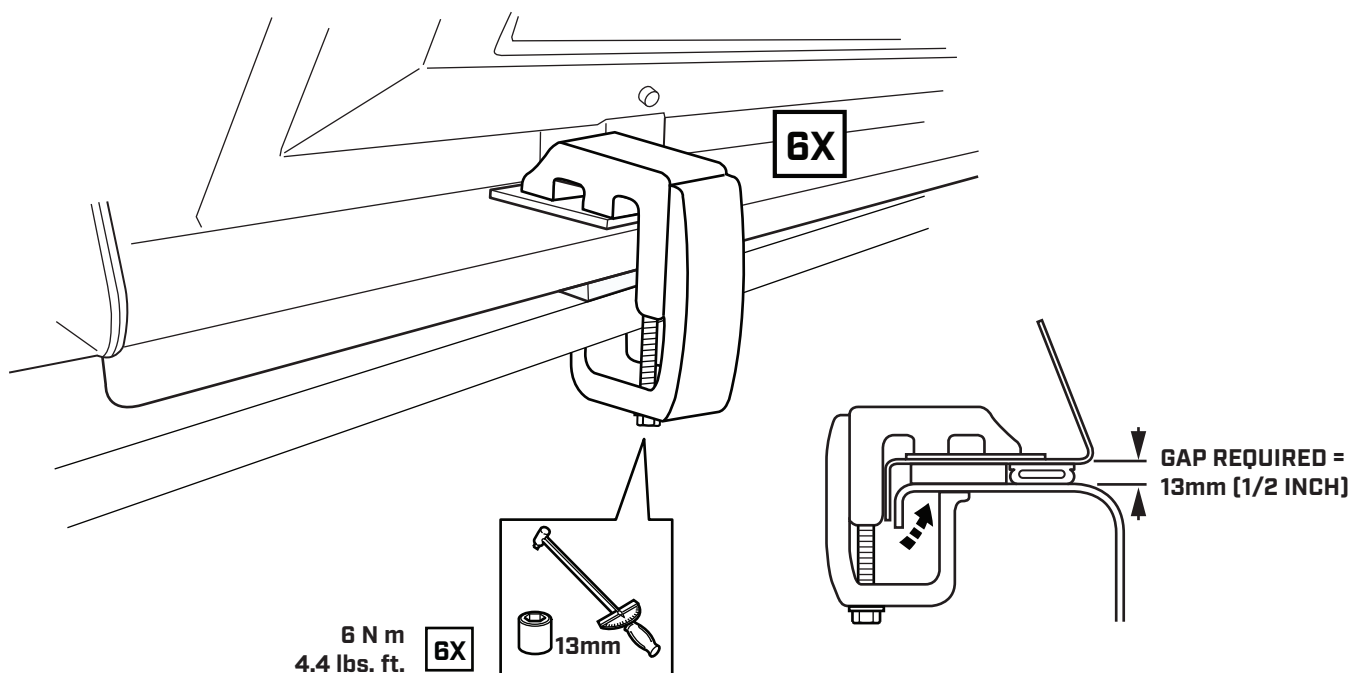
REMOVE THE ADHESIVE BACKING FROM THE THIN RUBBER PAD

WITH THE EXCEPTION OF THE REAR CORNERS, PLACE THE THIN RUBBER PADS NEXT TO GUSSETS ON BOTH SIDES OF THE CAP



STEP 24

INSTALL LOWER CLAMP ARMS INTO RAIL INSIDE TRUCK BED AND REASSEMBLE UPPER AND LOWER CLAMP ARMS

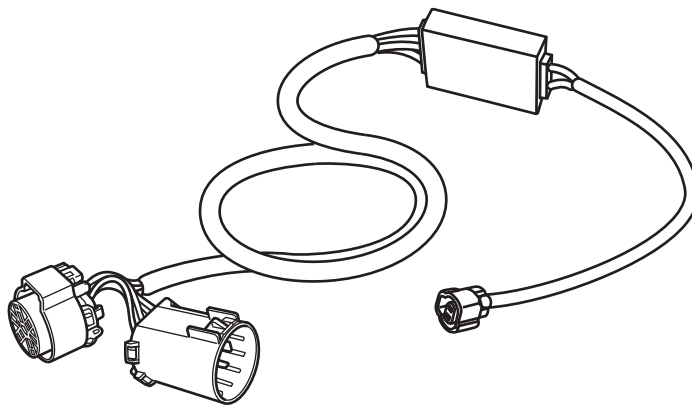
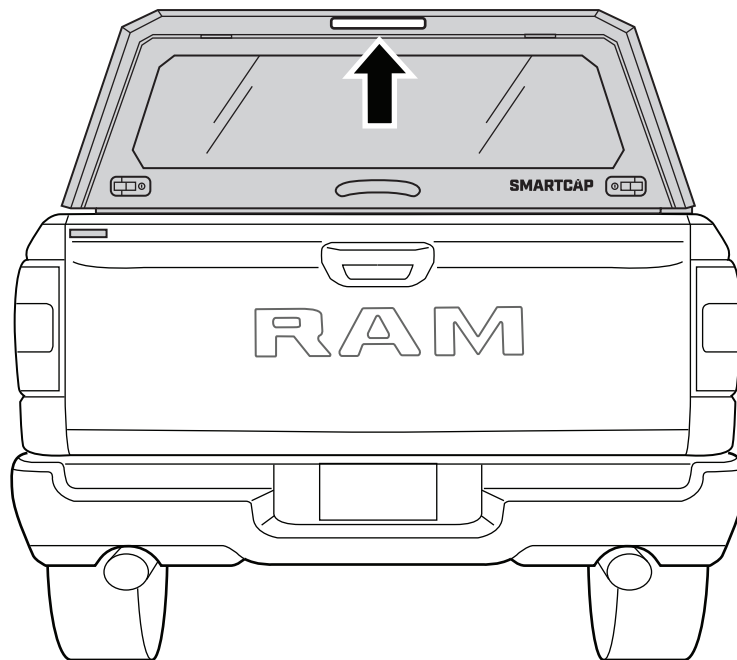


THIRD BRAKE LIGHT CONNECTOR INSTALLATION



IMPORTANT

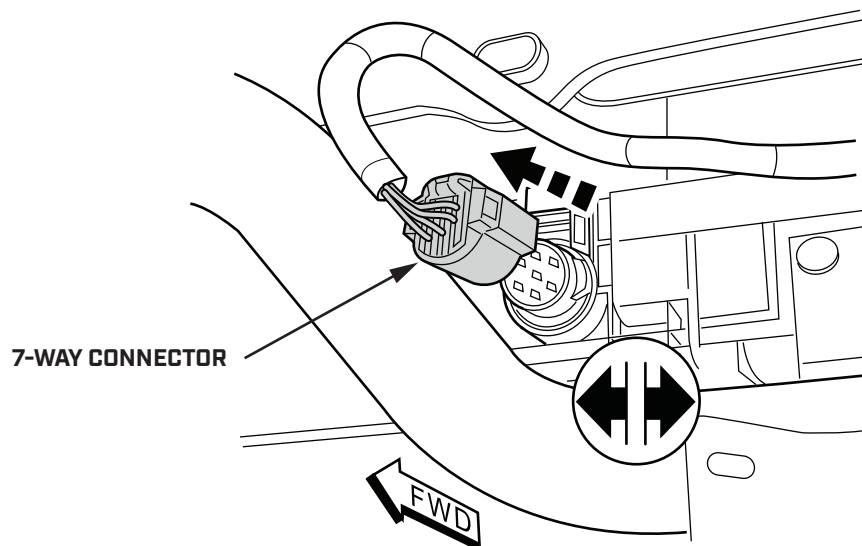
- ▼ BE SURE THE VEHICLE IS TURNED OFF FOR THIS INSTALLATION.
- ▼ READ THROUGH THE ENTIRE PROCEDURE BEFORE STARTING AND FOLLOW THE STEPS CAREFULLY TO ENSURE THE THIRD BRAKE LIGHT AND TRAILER PLUG WILL FUNCTION PROPERLY.
- ▼ USE A TEST LIGHT TO CHECK FOR SUCCESSFUL INSTALLATION.



STEP 25

LOCATE THE 7-WAY TRAILER CONNECTOR
AT THE HITCH OR INSIDE THE BUMPER

DISCONNECT THE PLUG FROM THE BACK
OF THE 7-WAY CONNECTOR

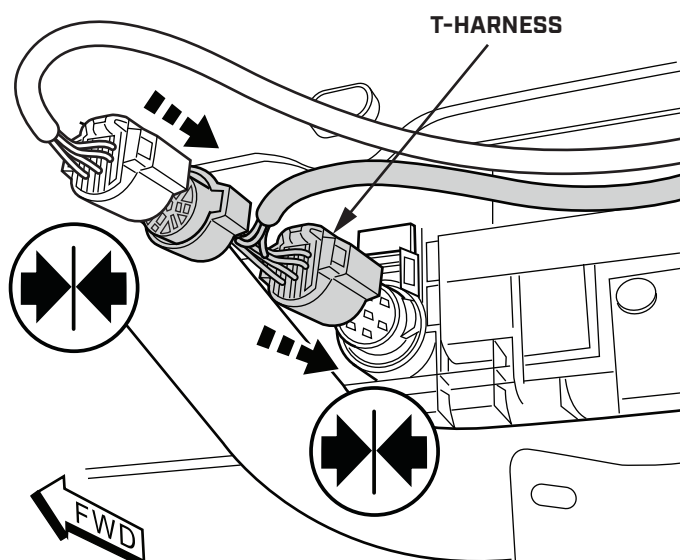


STEP 26

PLUG THE NEW T-HARNESS INTO THE
BACK OF THE 7-WAY CONNECTOR

CONNECT THE ORIGINAL PLUG INTO
THE FEMALE SIDE OF THE T-HARNESS

BE SURE PLUGS ARE FULLY INSERTED
AND LOCKING TABS ARE IN PLACE

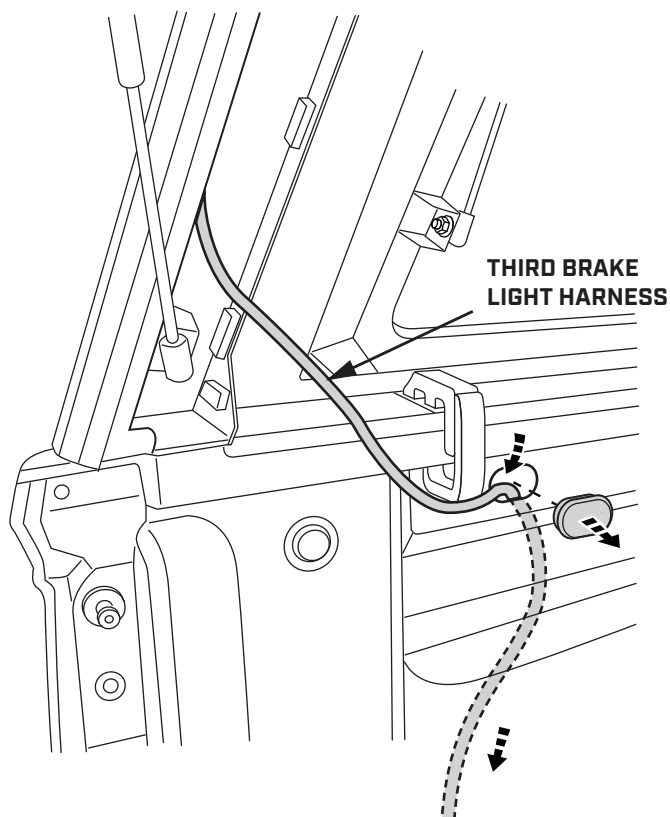


STEP 27

UNTIE THE THIRD BRAKE LIGHT HARNESS FROM WHERE IT IS ATTACHED TO THE SMARTCAP

REMOVE THE GROMMET COVER AT THE TRUCK BED WALL

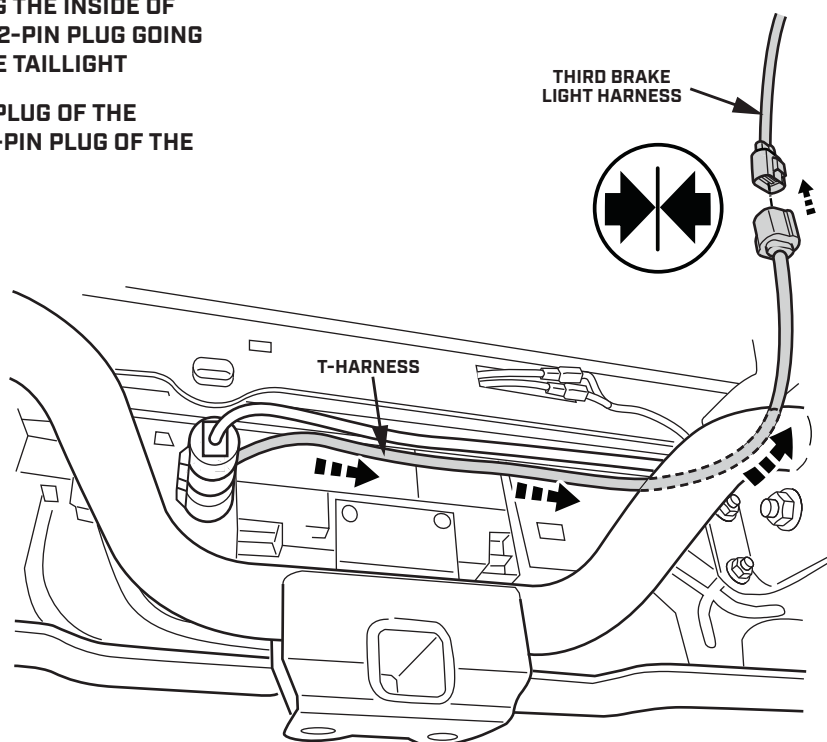
ROUTE THE THIRD BRAKE LIGHT HARNESS IN THROUGH THE GROMMET PANEL OPENING AND OUT THROUGH THE TAILLIGHT CAVITY



STEP 28

ROUTE THE T-HARNESS ALONG THE INSIDE OF THE REAR BUMPER WITH THE 2-PIN PLUG GOING UP TOWARDS THE DRIVER SIDE TAILLIGHT

CONNECT THE 2-PIN FEMALE PLUG OF THE T-HARNESS INTO THE MALE 2-PIN PLUG OF THE THIRD BRAKE LIGHT HARNESS



STEP 29

START THE TRUCK. NOTE THAT ON SOME MODELS, IT 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.**



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

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