SMARTCAP°

INSTRUCTION GUIDE FORD RANGER EDITION 2024-CURRENT (5th Generation) SMARTCAP (

- PREPARE A CLEAN WORK AREA.
- WE RECOMMEND A MINIMUM OF 2 PEOPLE FOR ASSEMBLY AND 4 PEOPLE FOR INSTALLATION.
- ▼ ENSURE THE REQUIRED TOOLS ARE PRESENT AND ALL HARDWARE CONTENTS ARE ACCOUNTED FOR.
- NEVER USE ACETONE OR THINNERS ON PAINTED PARTS.
- 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 SUPPORT.SA@SMARTCAP.COM - REST OF WORLD



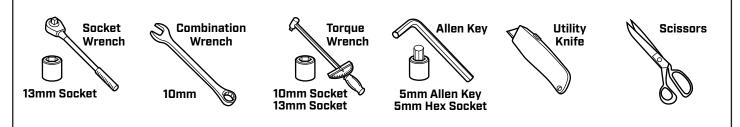




VDISCLAIMER

IT IS A REQUIREMENT FROM FORD THAT ANY 2024 NEXT GEN RANGER PRODUCED ON OR BEFORE 09/19/24 WITH ACCESSORIES EXTENDING ABOVE THE BEDRAILS, AND WEIGHING IN EXCESS OF 88 LBS., BE FITTED WITH THE LOAD BOX REINFORCEMENT BRACKETS (AKA J-BRACES). THESE MAY BE PURCHASED THROUGH ANY AUTHORIZED FORD DEALER AND WILL NEED TO BE INSTALLED PRIOR TO INSTALLATION OF A SMARTCAP TO AVOID NEGATIVELY IMPACTING YOUR VEHICLE'S FACTORY WARRANTY. USE PT #VN1WZ2627726A FOR MOST TRIM LEVELS, OR PT #VN1WZ26277236B FOR RAPTORS. THESE ARE NOT NECESSARY FOR RANGERS PRODUCED AFTER 09/19/24. PLEASE CONSULT YOUR OWNER'S MANUAL OR SELLING DEALER FOR MOR INFORMATION. SEE YOUR OWNER'S MANUAL OR SELLING DEALER FOR MOR INFORMATION.

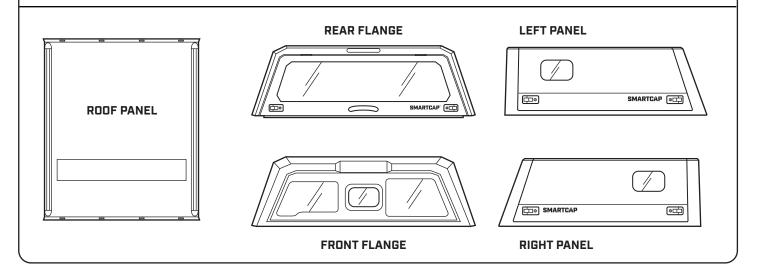
TOOLS REQUIRED





- 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

-- FITMENT KIT--

M6 x 10mm BOLT



28X

FASTENER BLOCK CLAMP



28X

M6 LOCK WASHER



28X

FASTENER BLOCK



28X

D-RUBBER



1X

SPARE PARTS









PRE-FASTENED TO ROOF PANEL-----

M6 FENDER WASHER



10X

M6 LOCK NUT

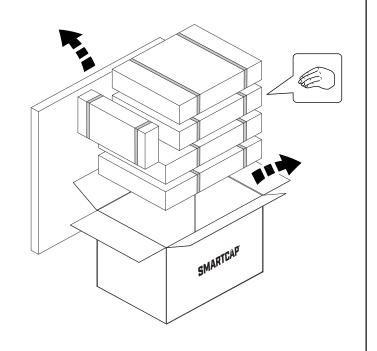


10X



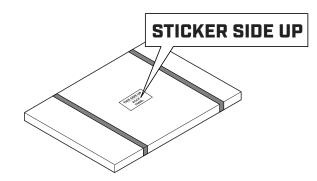


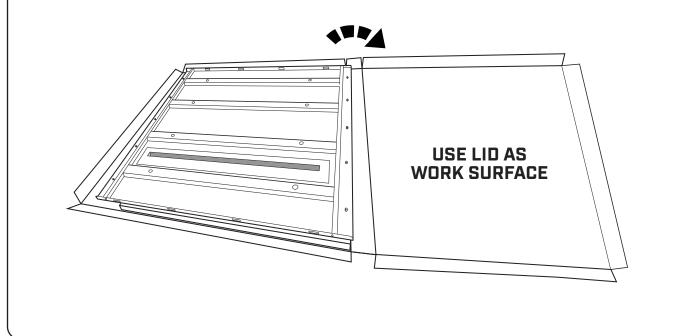
▼ BE SURE TO REMOVE ALL FIVE PANELS FROM THEIR PACKAGING AND INSPECT THE PAINTED SURFACES PRIOR TO ASSEMBLY, AS SMARTCAP WILL NOT ACCEPT WARRANTY CLAIMS AFTER ASSEMBLY IS COMPLETED. IF MANUFACTURING IMPERFECTIONS OR SHIPPING DAMAGES ARE FOUND, DO NOT CONTINUE WITH THE ASSEMBLY PROCESS AND CONTACT SUPPORT.NA@SMARTCAP.COM.



STEP 2

PLACE THE ROOF PANEL WHERE YOU PLAN TO ASSEMBLE THE CAP. REMOVE THE LID FROM THE PACKAGING AND PLACE IT NEXT TO THE ROOF PANEL.



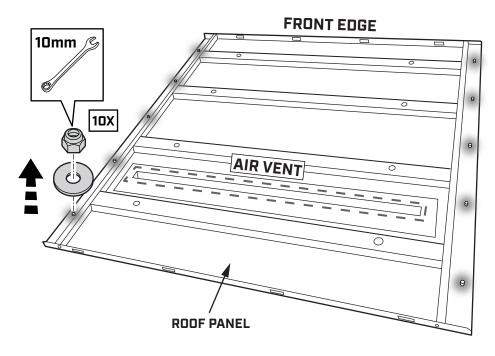




USE A 10MM COMBINATION WRENCH TO REMOVE ALL HARDWARE FROM THE ROOF PANEL AND **SAVE FOR REUSE.**



AIR VENT INDICATES REAR





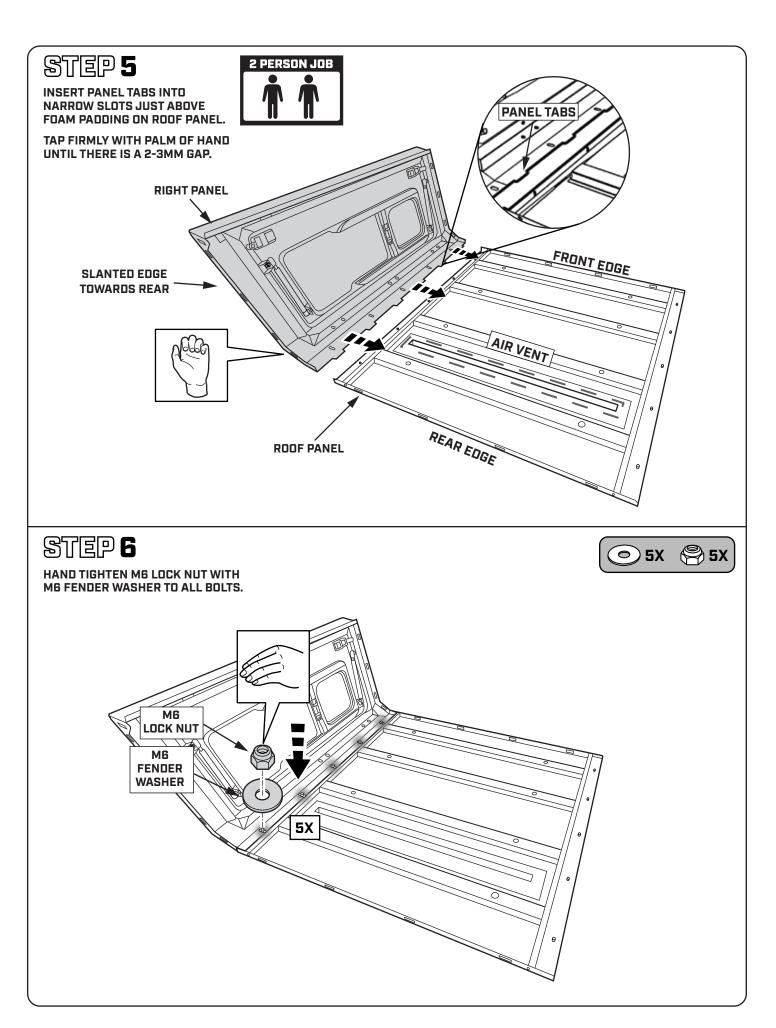
LOCATE THE RIGHT PANEL IN THE SMARTCAP PACKAGE AND BRING IT TO YOUR WORK AREA.

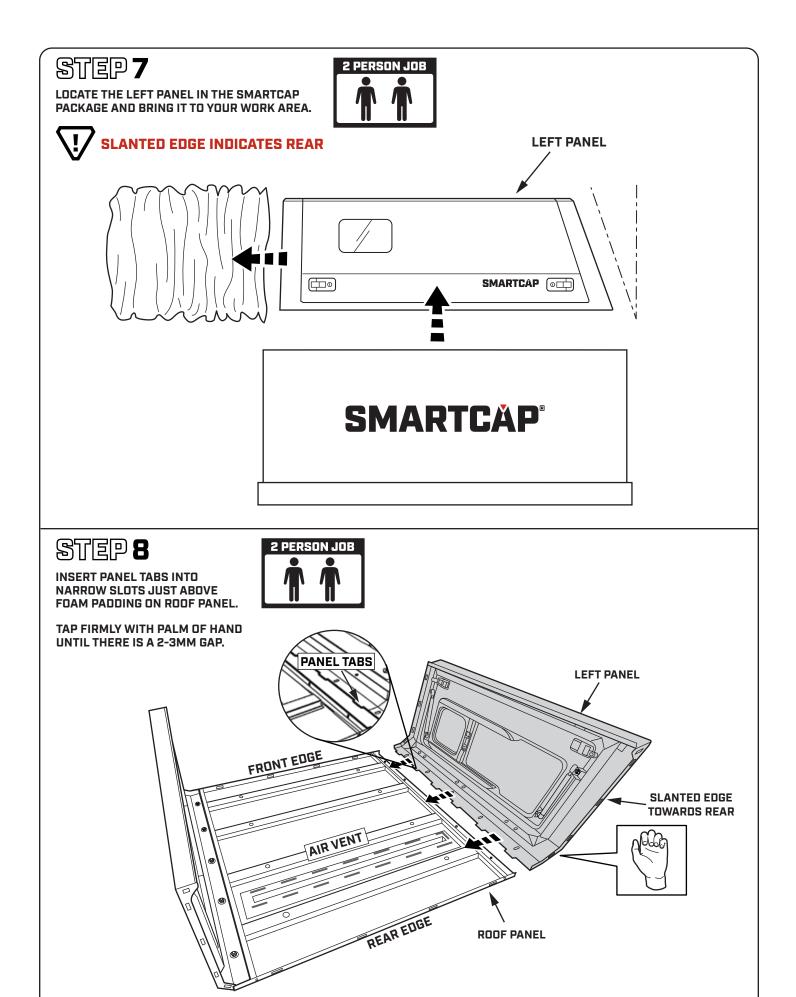


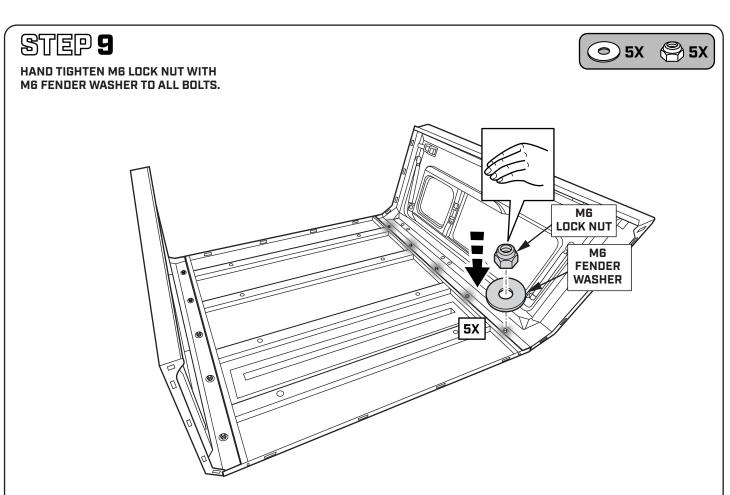


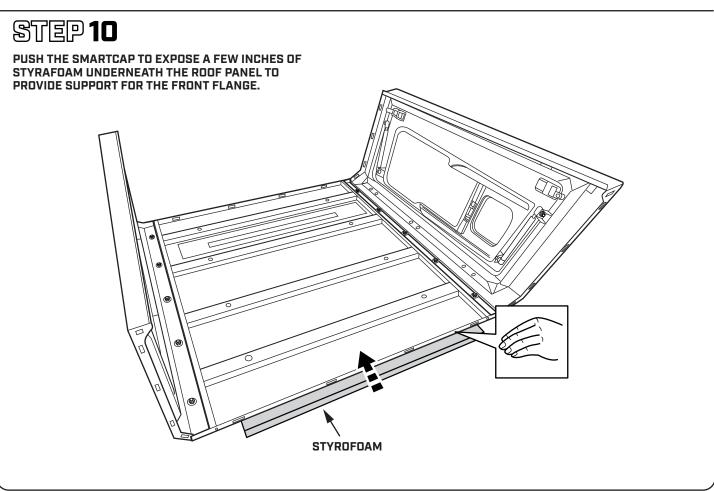
SLANTED EDGE INDICATES REAR RIGHT PANEL ◯ SMARTCAP

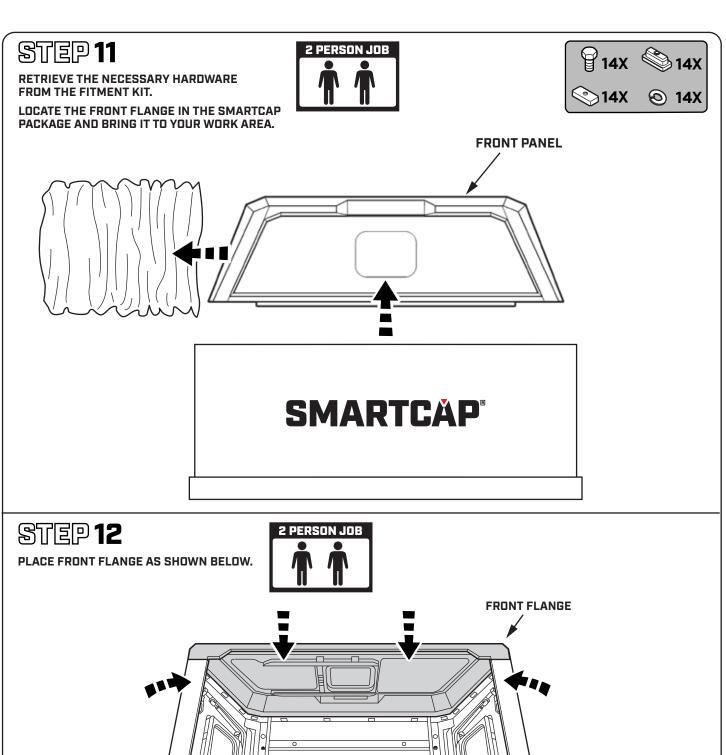










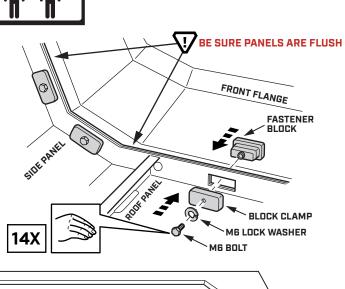


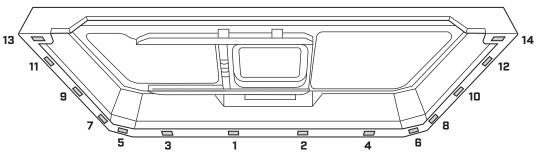
INSTALL HARDWARE ALONG FRONT FLANGE WITH M6 BOLT ON INSIDE.

START WITH ASSEMBLING FASTENER BLOCKS 1-5.

ADJUST LEFT AND RIGHT PANELS TO ALIGN FASTENER BLOCKS 6-15 FOR ASSEMBLY.

HAND TIGHTEN IN THE SEQUENCE SHOWN.

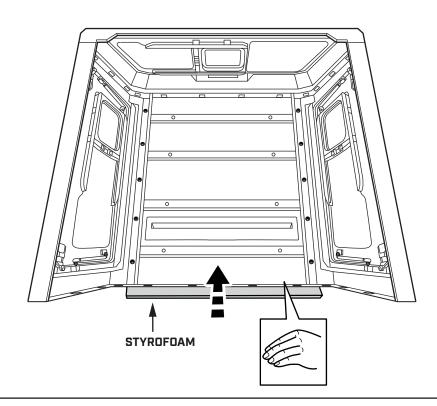


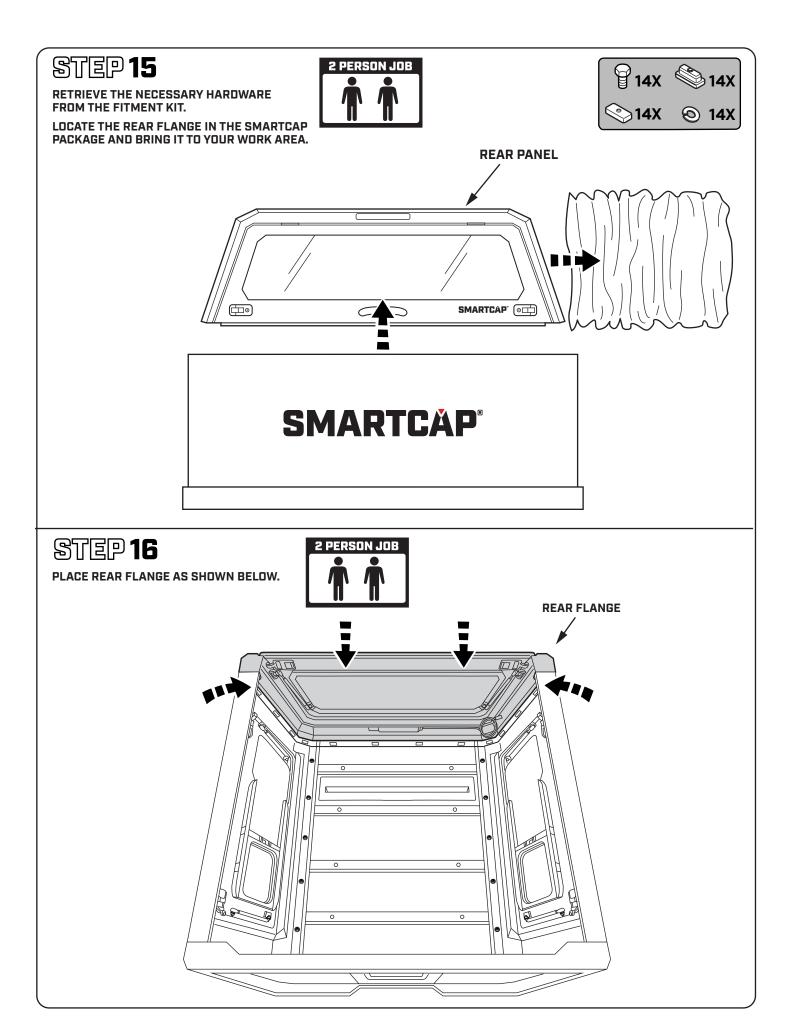


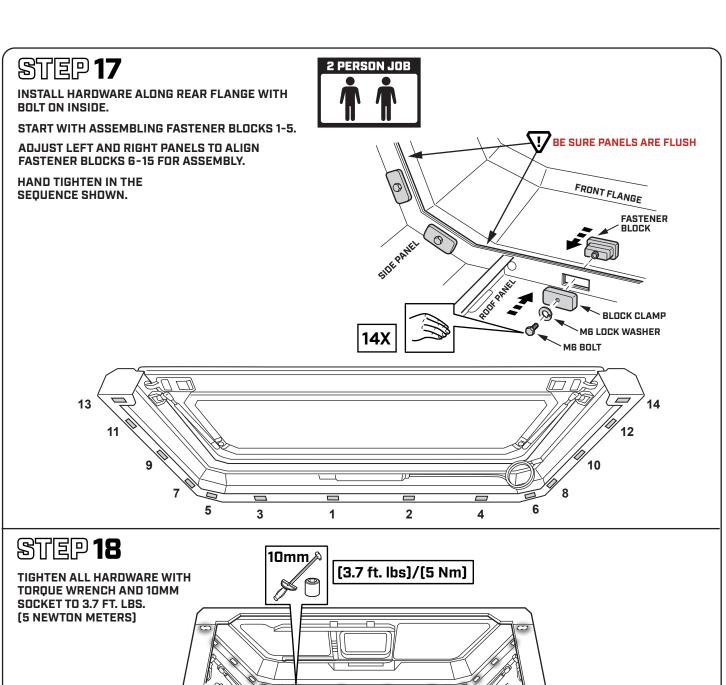
2 PERSON JOB

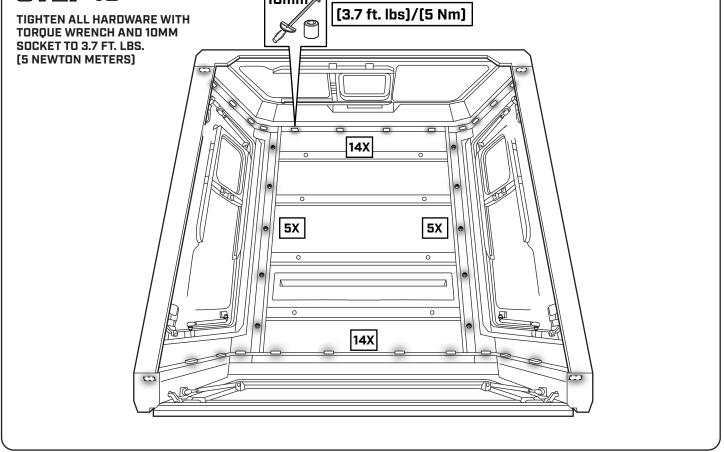
STEP 14

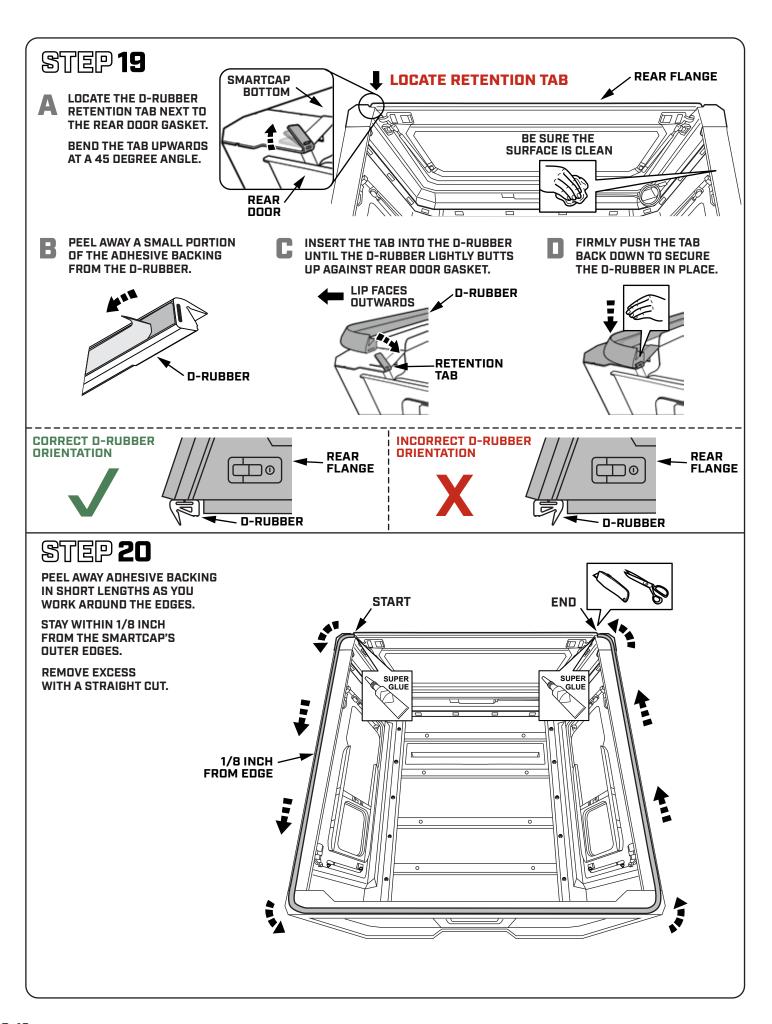
PUSH THE SMARTCAP TO EXPOSE A FEW INCHES OF STYRAFOAM UNDERNEATH THE ROOF PANEL TO PROVIDE SUPPORT FOR THE REAR FLANGE.





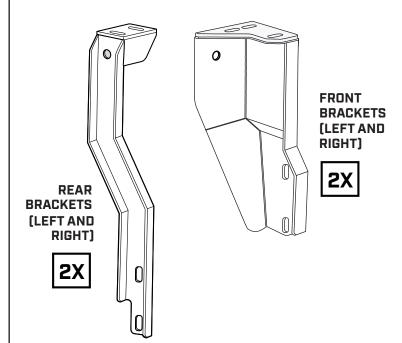




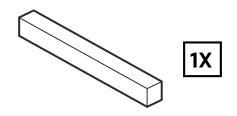


INSTALLATION HARDWARE

MOUNTING BRACKETS



25mm x 25mm FOAM SEAL TAPE



M8 x 20mm BOLT



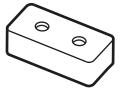
20X

M8 LOCK WASHER



10X

ALUMINUM SPACER BLOCK



2X

M8 x 20mm BUTTON BOLT





M8 LOCK NUT



12X

M8 FENDER WASHER



34X

VEHICLE INSTALLATION



IMPORTANT

- 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.
- READ THROUGH THE ENTIRE PROCEDURE BEFORE STARTING.

BED RAIL CAP WARNING



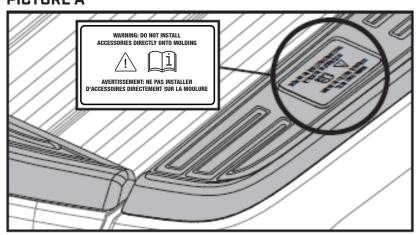
PRIOR TO INSTALLATION

▼ TO INSURE YOU DO NOT DAMAGE YOUR TRUCK OR THE SMARTCAP, IT IS IMPORTANT TO EXAMINE THE BED RAILS OF YOUR VEHICLE TO ACCURATELY DETERMINE WHICH MODEL YEAR YOU HAVE.

STEP 21-22

IF YOUR BED RAIL STAKE POCKET COVERS LOOK LIKE PICTURE A, PLEASE MOVE TO STEP 21

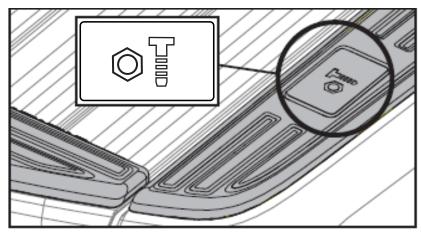
PICTURE A

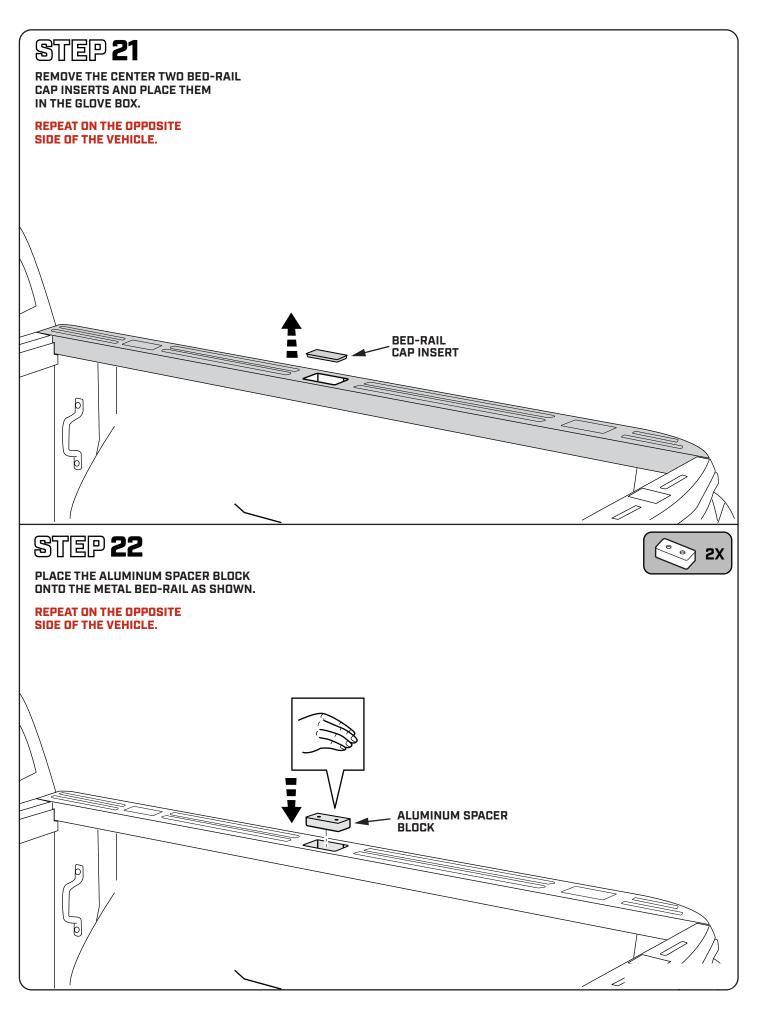


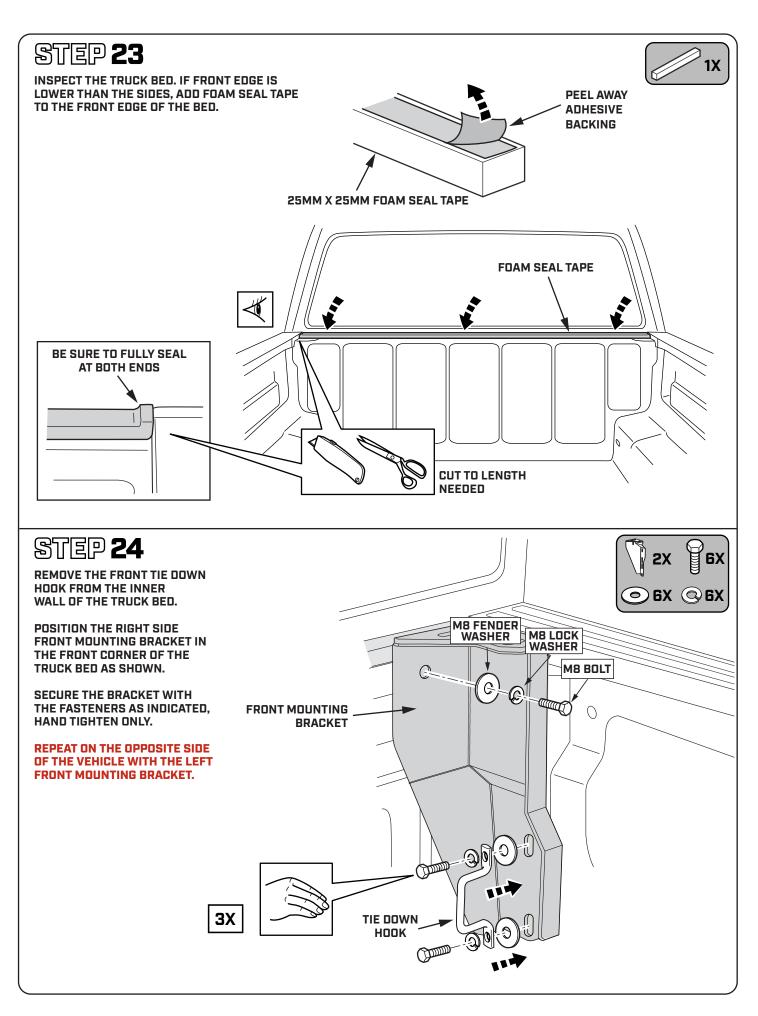
STEP 23

IF YOUR BED RAIL STAKE POCKET COVERS LOOK LIKE PICTURE B, PLEASE MOVE TO STEP 23







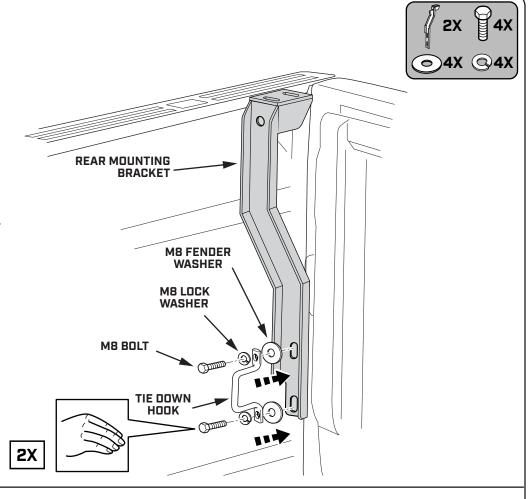


REMOVE THE REAR TIE DOWN HOOK FROM THE INNER WALL OF THE TRUCK BED.

POSITION THE RIGHT SIDE REAR MOUNTING BRACKET IN THE BACK CORNER OF THE TRUCK BED AS SHOWN.

SECURE THE BRACKET WITH THE FASTENERS AS INDICATED, HAND TIGHTEN ONLY.

REPEAT ON THE OPPOSITE SIDE OF THE VEHICLE WITH THE LEFT REAR MOUNTING BRACKET.

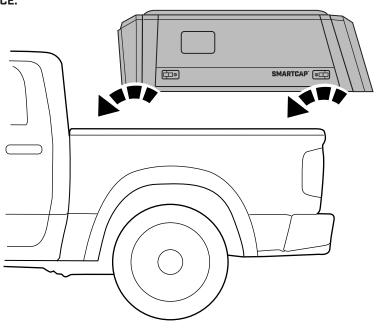


STEP 26

USE 4 PEOPLE TO LIFT THE ASSEMBLED SMARTCAP ONTO THE TRUCK BED.

TO AVOID DAMAGE TO THE D-RUBBER, DO NOT SLIDE THE SMARTCAP INTO PLACE.

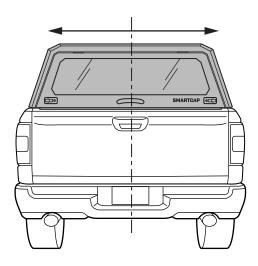


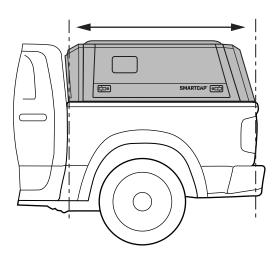


CHECK THAT THE SMARTCAP IS PROPERLY POSITIONED AND CENTERED ON THE TRUCK BED.

IT'S IMPORTANT THAT THE SMARTCAP IS NOT PUSHED TOO FAR FORWARD, LEAVING A GAP BETWEEN THE SMARTCAP AND THE CAB.

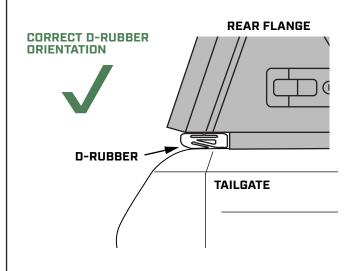


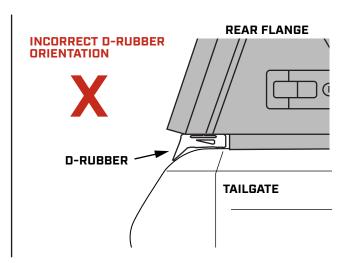




STEP 28

WALK AROUND THE TRUCK BED TO MAKE SURE THE D-RUBBER FITMENT IS CORRECT AND THAT THE RUBBER LIP IS PROPERLY TUCKED UNDERNEATH THE CAP.





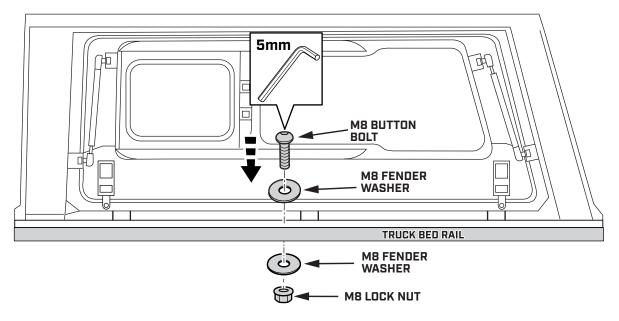
WITH A 5MM ALLEN KEY, LOOSELY TIGHTEN THE SMARTCAP RIGHT SIDE PANEL TO THE TOP OF THE TRUCK BED USING M8 BUTTON HEAD BOLT, M8 LOCK WASHER, AND M8 FENDER WASHER AS SHOWN BELOW.

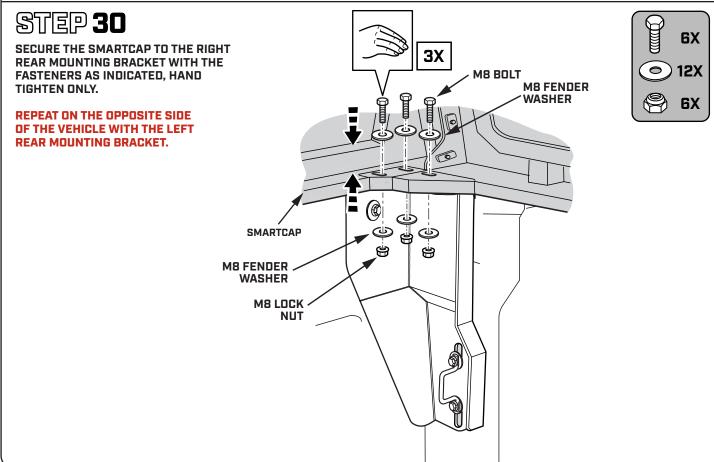


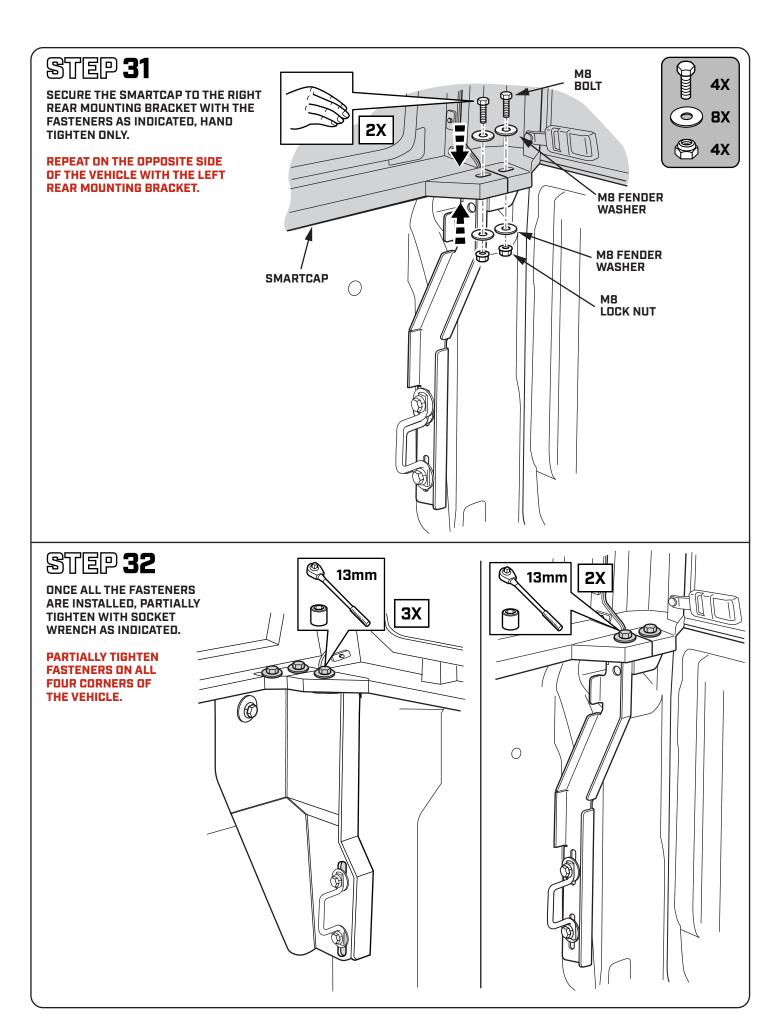


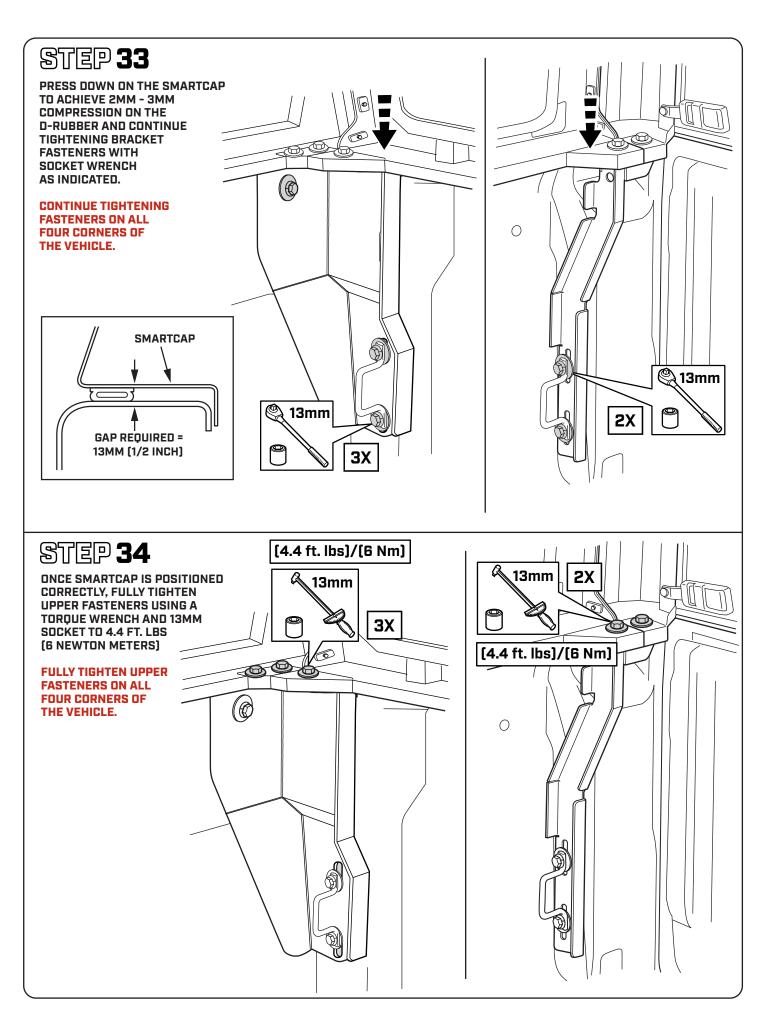


REPEAT ON THE OPPOSITE SIDE OF THE VEHICLE.



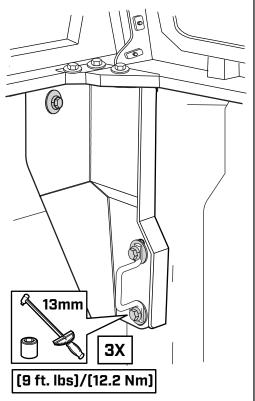


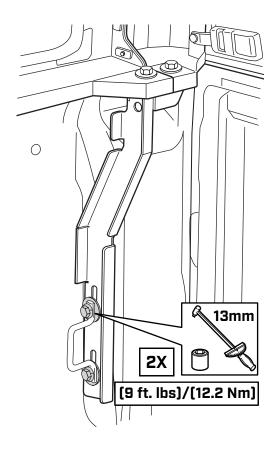




ONCE SMARTCAP IS POSITIONED CORRECTLY, FULLY TIGHTEN LOWER FASTENERS USING A TORQUE WRENCH AND 13MM SOCKET TO 9 FT. LBS [12.2 NEWTON METERS]

FULLY TIGHTEN LOWER FASTENERS ON ALL FOUR CORNERS OF THE VEHICLE.

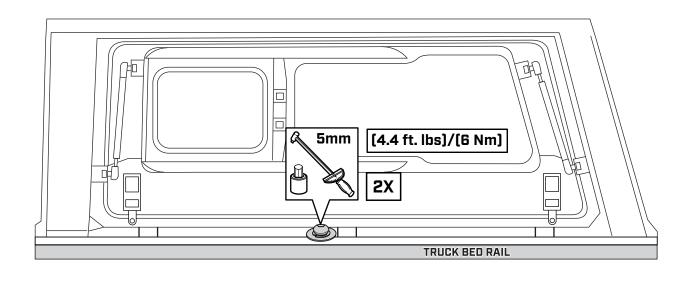




STEP 36

USING A TORQUE WRENCH WITH A 5MM HEX KEY SOCKET, TIGHTEN THE M8 BUTTON HEAD BOLT TO 4.4 FT. LBS. (6 NEWTON METERS).

REPEAT ON THE OPPOSITE SIDE OF THE VEHICLE.



THIRD BRAKE LIGHT



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.

LED TAIL LIGHT HARNESS

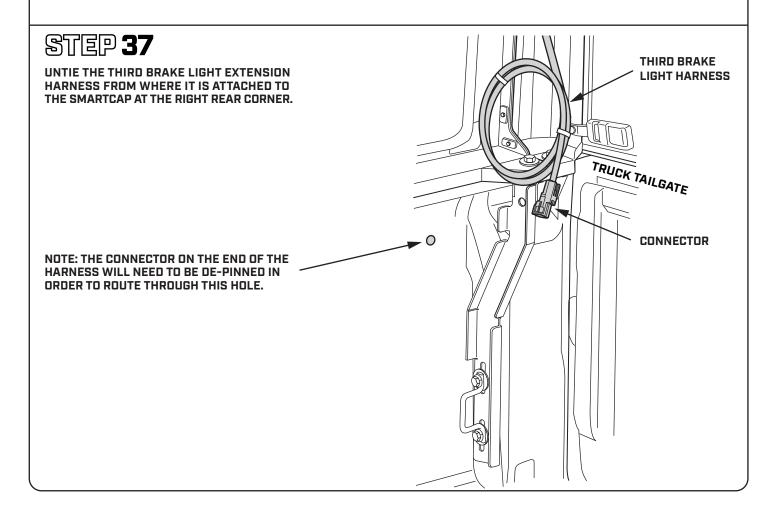


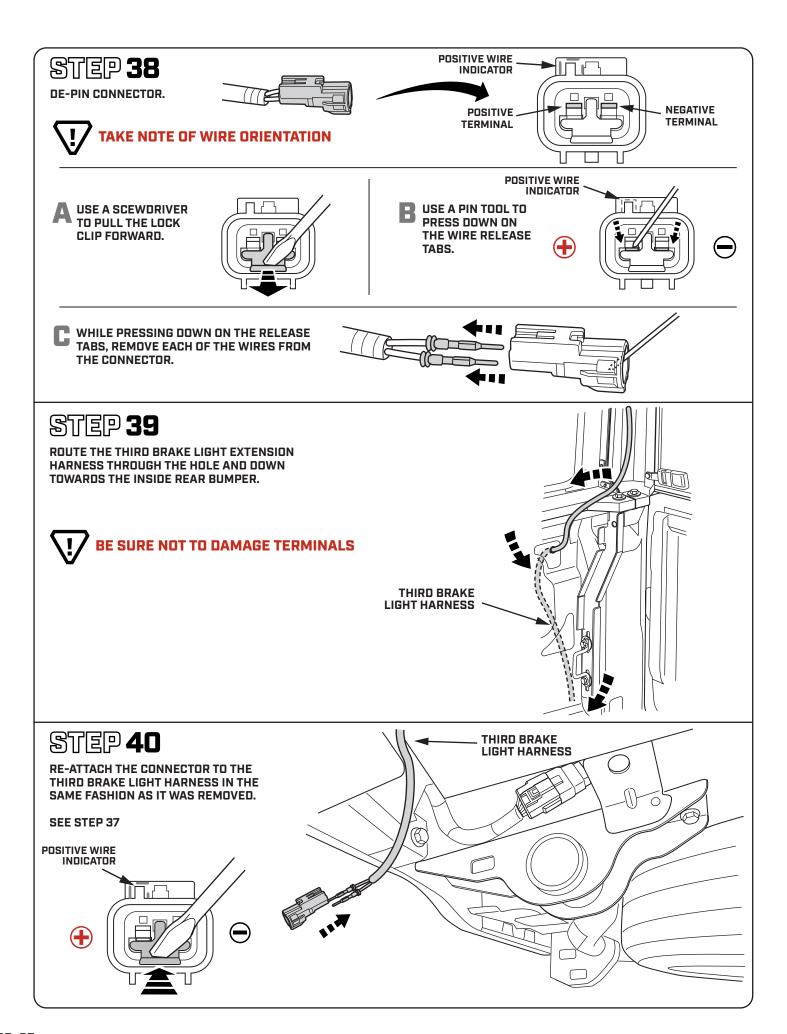
INCLUDED IN FITMENT KIT

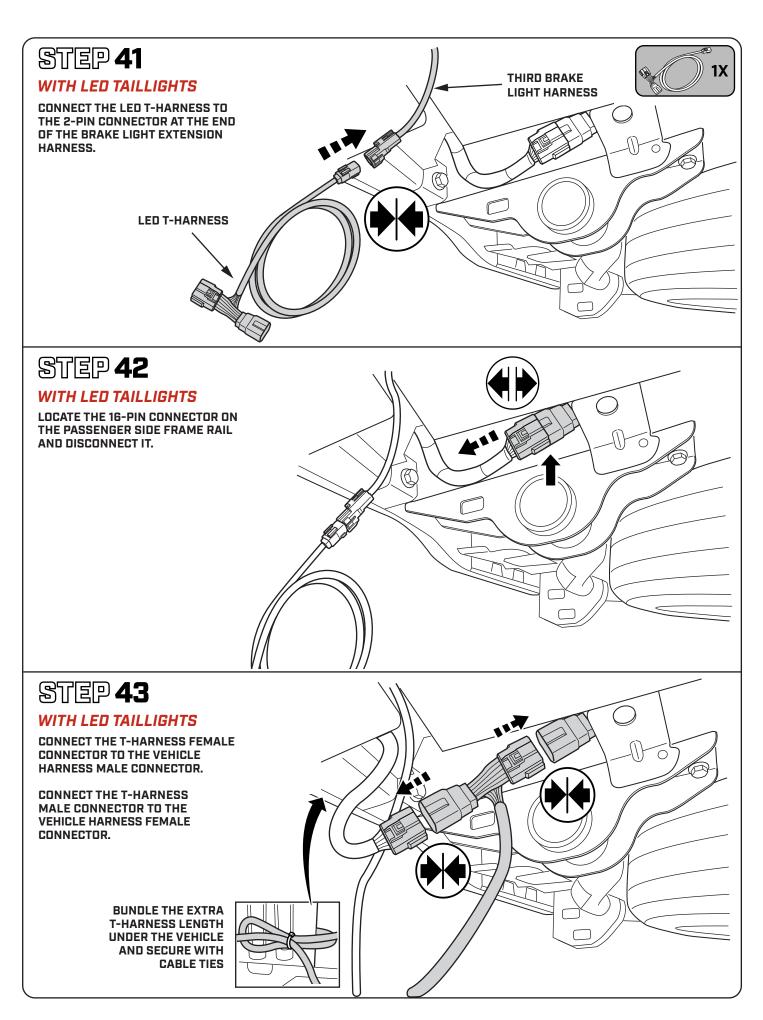
INCANDESCENT TAIL LIGHT HARNESS

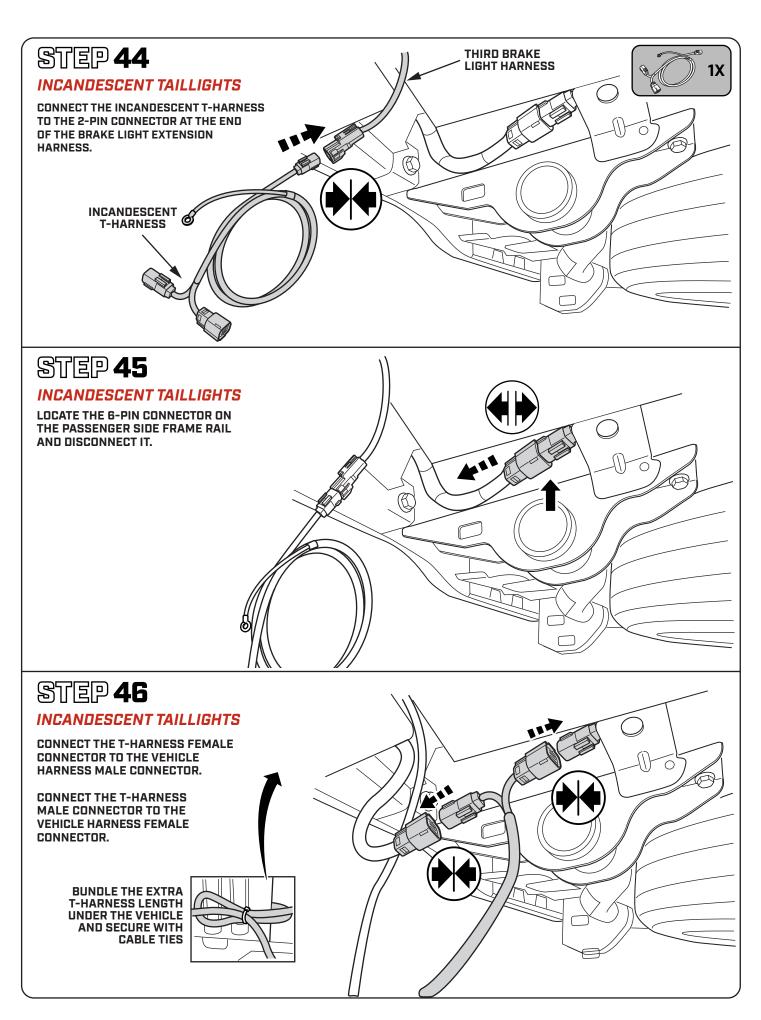


IF YOUR RANGER IS EQUIPPED WITH INCANDESCENT TAILLIGHTS, PLEASE CONTACT SUPPORT.NA@SMARTCAP.COM TO RECEIVE THE APPROPRIATE HARNESS.



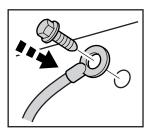


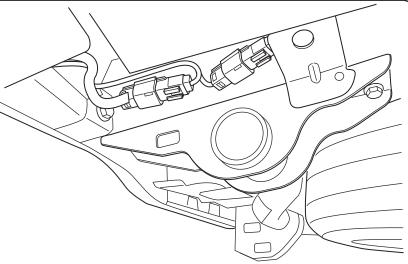




INCANDESCENT TAILLIGHTS

SECURE THE GROUND WIRE ON THE T-HARNESS TO THE CHASSIS AT A SUITABLE LOCATION UNDER THE VEHICLE.





STEP 48

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.

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

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I-SHEET-NA-R2