SMARTCAP°

INSTRUCTION GUIDE FORD F-150 EDITION 2024-CURRENT (4TH GENERATION)

- **▼** PREPARE A CLEAN WORK AREA.
- ▼ WE RECOMMEND A MINIMUM OF 2 PEOPLE FOR ASSEMBLY.
- ▼ 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







TOOLS REQUIRED













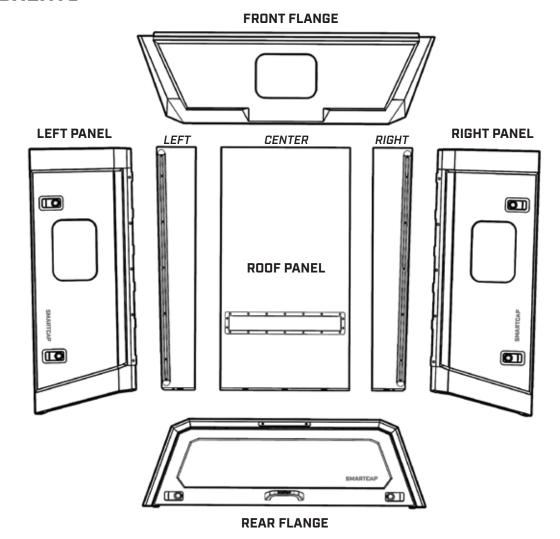




IMPORTANT

- **▼** 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

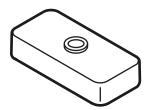
FITMENT KIT

M6 BOLT



40X

FASTENER BLOCK CLAMP



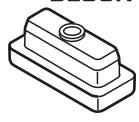
40X

M6 LOCK WASHER



40X

FASTENER BLOCK



40X

D-RUBBER



1X

SPARE PARTS







- PRE-FASTENED TO ROOF PANEL----

M6 FENDER WASHER



12X SHORT BED

14X STANDARD BED

M6 LOCK NUT



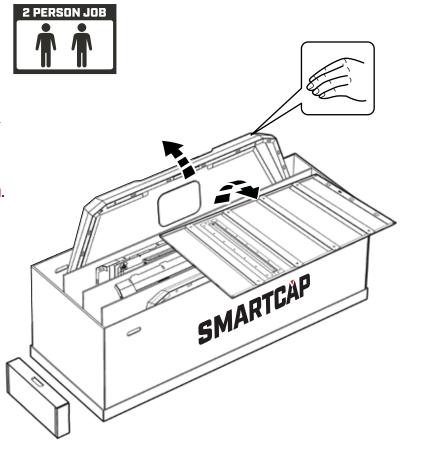
12X SHORT BED

14X

STANDARD BED

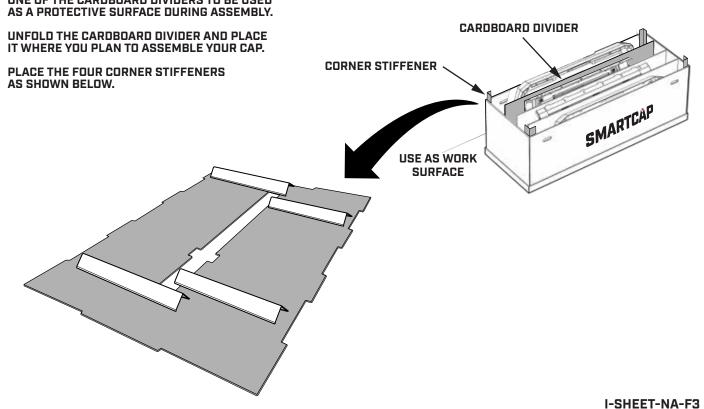


BE SURE TO REMOVE ALL SEVEN PANELS FROM THEIR PACKAGING AND INSPECT THE PAINTED SURFACES PRIOR TO ASSEMBLY, AS SMARTCAP WILL NOT ACCEPT WARRANTY **CLAIMS AFTER ASSEMBLY IS COMPLETED.** IF MANUFACTURING IMPERFECTIONS OR SHIPPING DAMAGES ARE FOUND, DO NOT **CONTINUE WITH THE ASSEMBLY PROCESS** AND CONTACT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

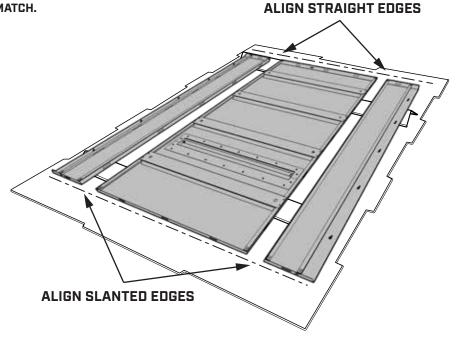


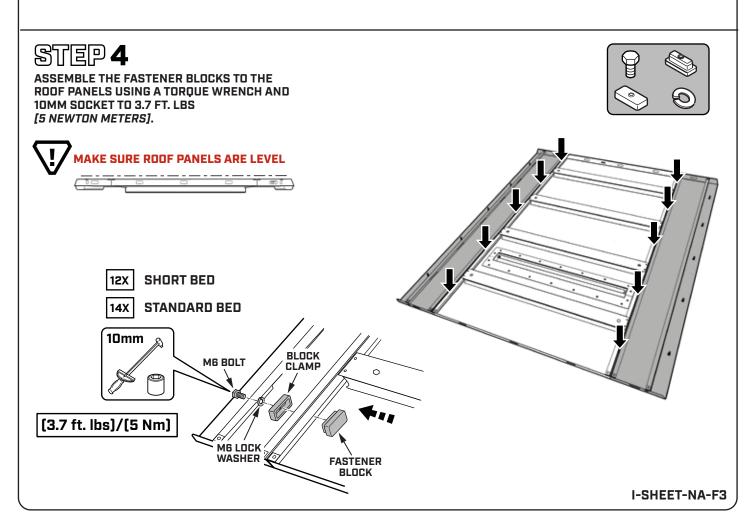
STEP 2

REMOVE THE FOUR CORNER STIFFENERS AND ONE OF THE CARDBOARD DIVIDERS TO BE USED



PLACE THE ROOF PANELS ON TOP OF THE CORNER STIFFENERS, WITH THE BOTTOM OF THE ROOF PANELS FACING UP. ALIGN THE PANELS SO THAT THE PROFILE OF THE FRONT AND REAR EDGES MATCH.

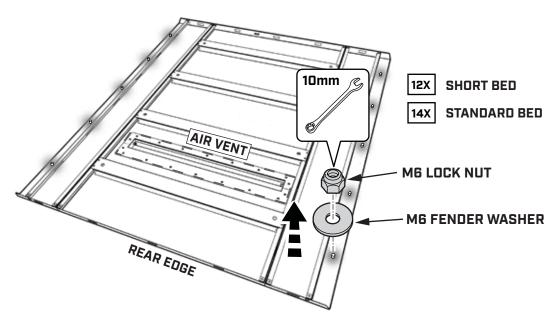


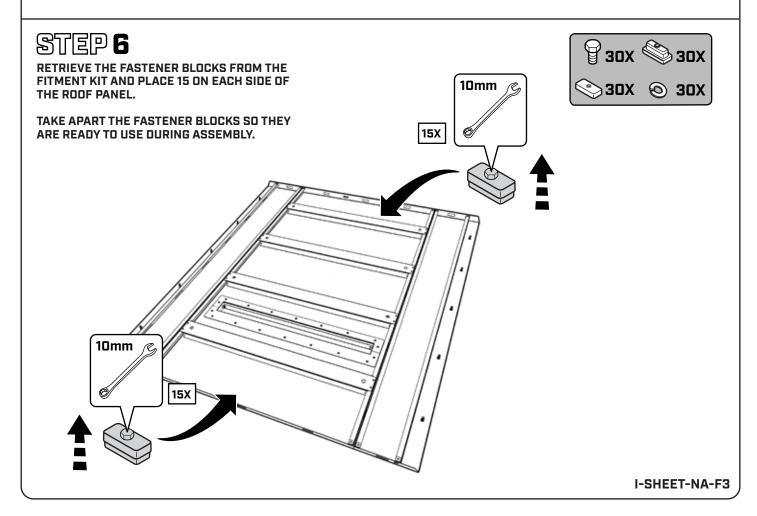


USE A 10MM COMBINATION WRENCH TO REMOVE THE LOCK NUTS AND FENDER WASHERS FROM THE ROOF BOLTS AND SAVE FOR REUSE.



AIR VENT INDICATES REAR





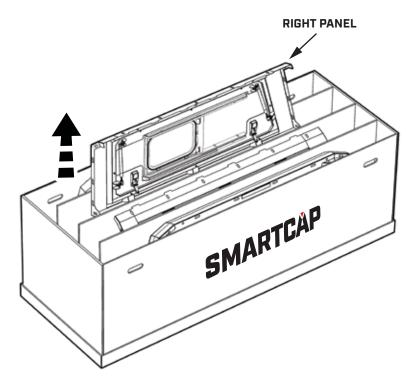
LOCATE THE RIGHT PANEL IN THE SMARTCAP PACKAGE AND BRING IT TO YOUR WORK AREA.





ANTED EDGE INDICATES REAR

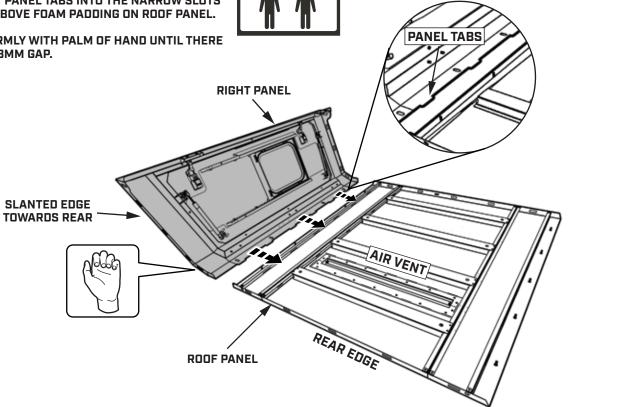






INSERT PANEL TABS INTO THE NARROW SLOTS JUST ABOVE FOAM PADDING ON ROOF PANEL.

TAP FIRMLY WITH PALM OF HAND UNTIL THERE IS A 2-3MM GAP.



2 PERSON JOB

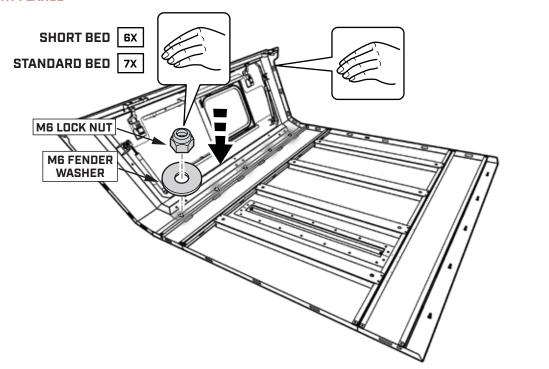


HAND TIGHTEN M6 LOCK NUT WITH M6 FENDER WASHER TO ALL BOLTS.





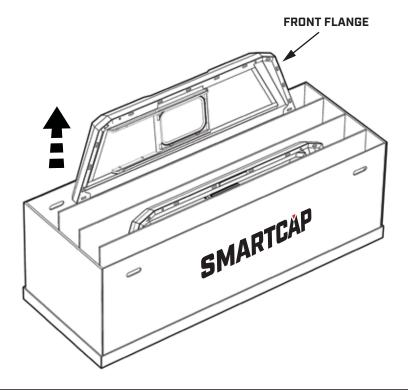
SUPPORT RIGHT PANEL UNTIL ASSEMBLED TO FRONT FLANGE



STEP 10

LOCATE THE FRONT FLANGE IN THE SMARTCAP PACKAGE AND BRING IT TO YOUR WORK AREA.

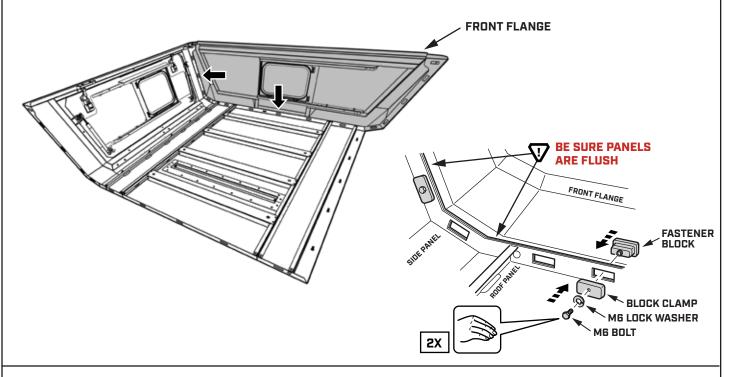




PLACE FRONT FLANGE AS SHOWN BELOW.

HAND TIGHTEN TWO FASTENER BLOCKS AT THE INDICATED LOCATIONS TO SUPPORT THE RIGHT PANEL AND FRONT FLANGE.



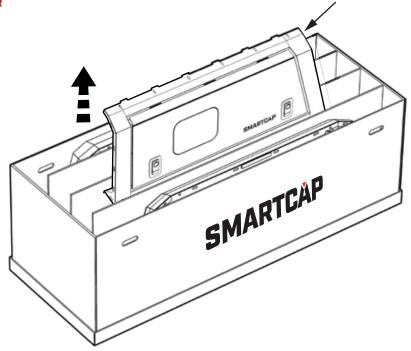


STEP 12

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

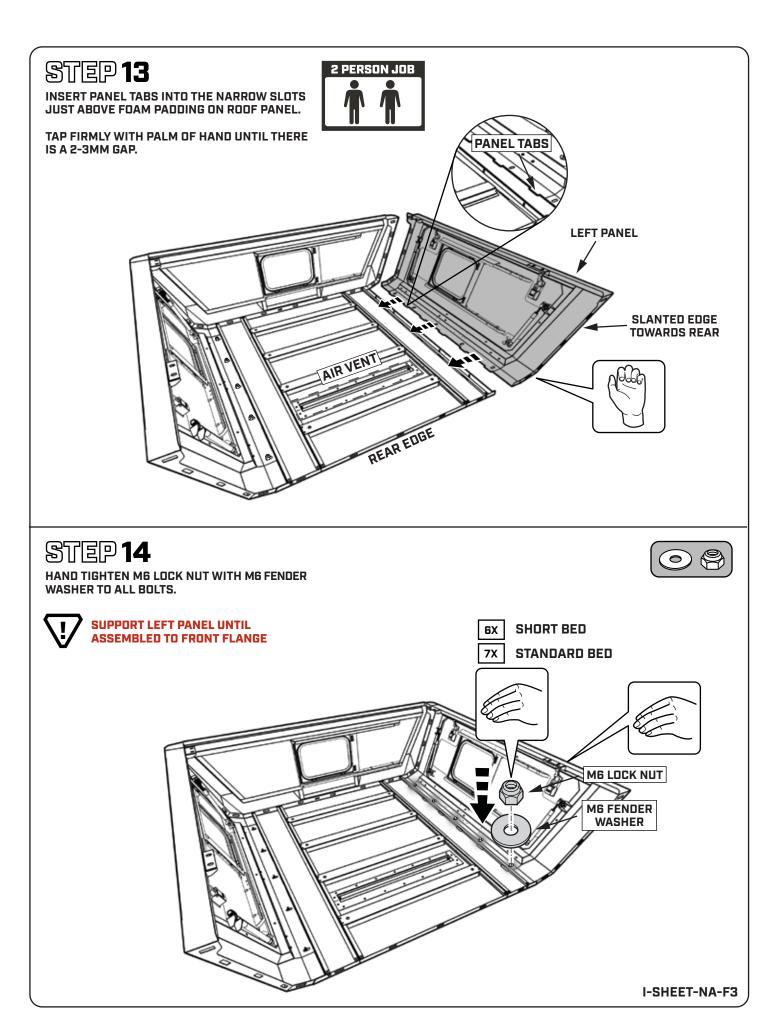






I-SHEET-NA-F3

LEFT PANEL

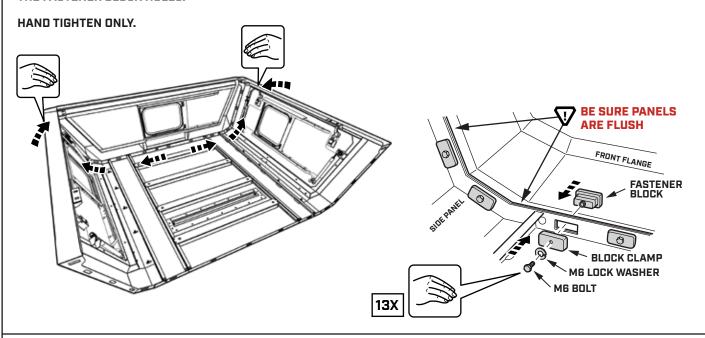


INSTALL HARDWARE ALONG FRONT FLANGE WITH BOLT ON INSIDE.

2 PERSON JOB

START AT CENTER OF THE FRONT FLANGE AND WORK YOUR WAY OUTWARDS.

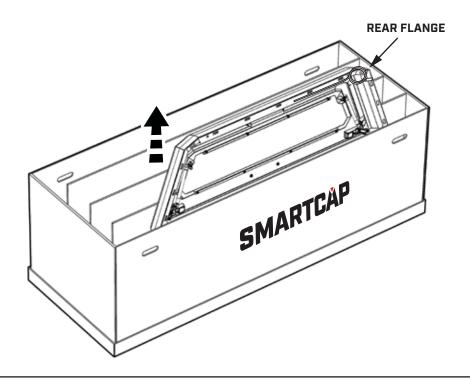
ADJUST LEFT AND RIGHT PANELS TO ALIGN THE FASTENER BLOCK HOLES.



STEP 16

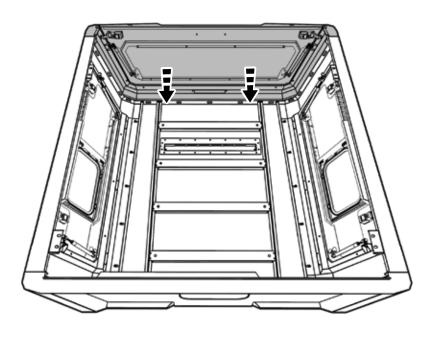
LOCATE THE REAR FLANGE IN THE SMARTCAP PACKAGE AND BRING IT TO YOUR WORK AREA.





PLACE REAR FLANGE AS SHOWN BELOW.





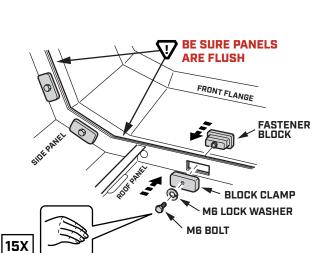
STEP 18

INSTALL HARDWARE ALONG REAR FLANGE WITH BOLT ON INSIDE.

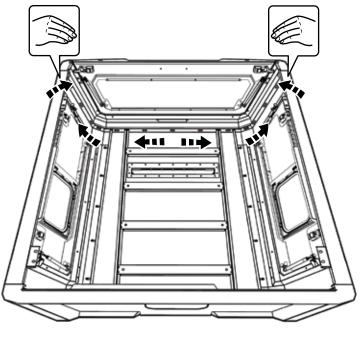
START AT CENTER OF THE REAR FLANGE AND WORK YOUR WAY OUTWARDS.

ADJUST LEFT AND RIGHT PANELS TO ALIGN THE FASTENER BLOCK HOLES.

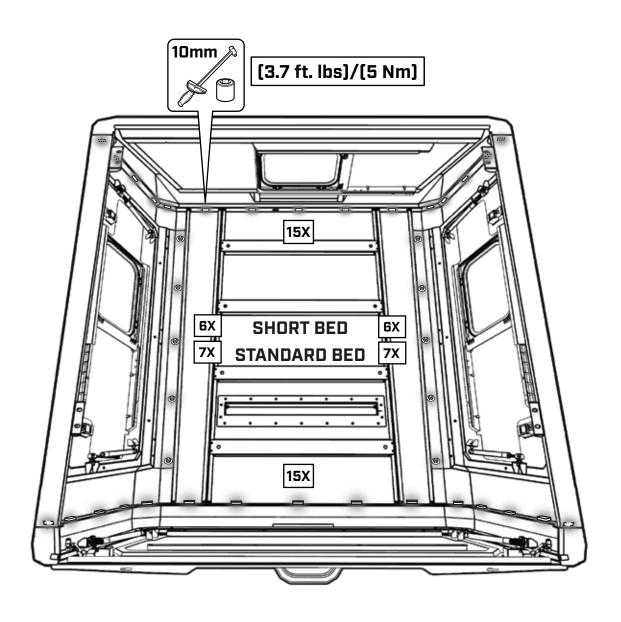
HAND TIGHTEN ONLY.







TIGHTEN ALL HARDWARE WITH TORQUE WRENCH AND 10MM SOCKET TO 3.7 FT. LBS. (5 NEWTON METERS)

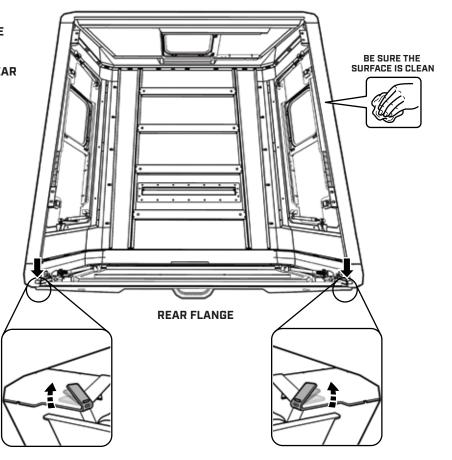


ENSURE THE ENTIRE BOTTOM EDGE OF THE SMARTCAP IS CLEAN.

LOCATE BOTH RETENTION TABS ON THE REAR FLANGE AND BEND EACH TO A 45-DEGREE ANGLE FOR D-RUBBER FITMENT.



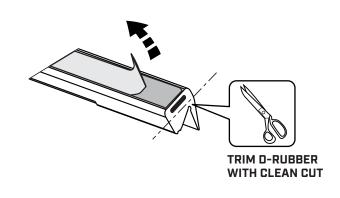
LOCATE RETENTION TABS

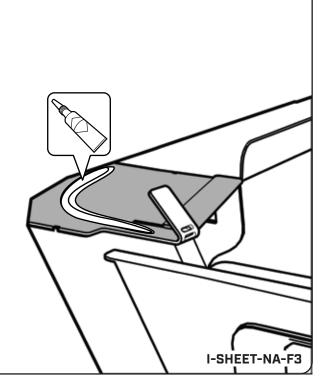


STEP 21

TRIM THE D-RUBBER WITH A CLEAN, STRAIGHT CUT.

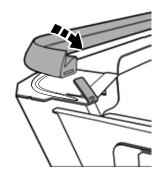
APPLY 2-3 INCHES OF GEL SUPER GLUE NEAR THE RETENTION TABS, ALONG THE BOTTOM EDGE OF THE REAR FLANGE.

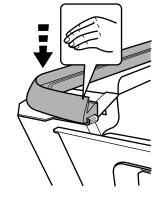




FULLY INSERT THE RETENTION TAB
INTO THE SLOT ON THE D-RUBBER.
ENSURE THE D-RUBBER IS ORIENTED
CORRECTLY WITH ITS PROFILE MATCHING
THE CONTOUR OF THE REAR FLANGE.

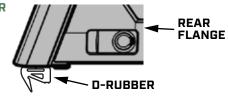
PRESS DOWN FIRMLY ON THE TAB AND THE D-RUBBER TO BOND IT TO THE REAR FLANGE, CREATING A TIGHT SEAL.

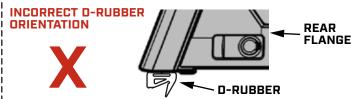




CORRECT D-RUBBER ORIENTATION







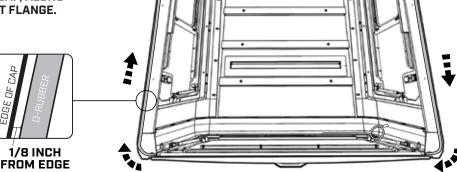
REINFORCE CORNERS
WITH SUPER GLUE

STEP 23

ALIGN THE D-RUBBER ALONG THE SMARTCAP'S EDGE, MAINTAINING A CONSISTENT 1/8 INCH GAP FROM THE EDGE.

START FROM ONE CORNER AND WORK YOUR WAY AROUND THE CAP TO ENSURE PROPER PLACEMENT AND ALIGNMENT.

APPLY 2-3 INCHES OF GEL SUPER GLUE AT THE FRONT CORNERS OF THE SMARTCAP, ALONG THE BOTTOM EDGE OF THE FRONT FLANGE.

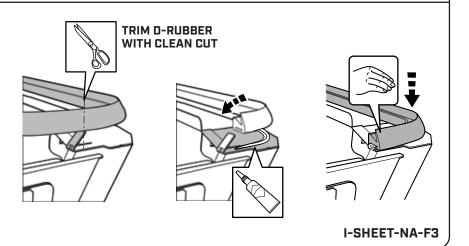


STEP 24

TRIM ANY EXCESS D-RUBBER BEYOND THE EDGE FOR A NEAT FINISH.

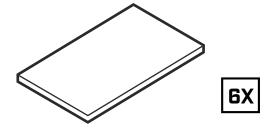
APPLY 2-3 INCHES OF GEL SUPER GLUE NEAR THE RETENTION TAB, ALONG THE BOTTOM EDGE OF THE REAR FLANGE. FULLY INSERT THE RETENTION TAB INTO THE SLOT ON THE D-RUBBER.

PRESS DOWN FIRMLY ON THE TAB AND THE D-RUBBER TO BOND IT TO THE REAR FLANGE, CREATING A TIGHT SEAL.

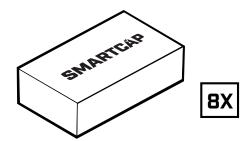


INSTALLATION HARDWARE

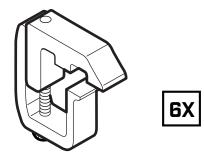
THIN RUBBER PAD



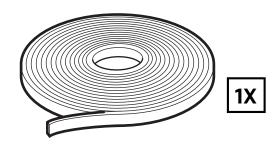
THICK RUBBER PAD



MOUNTING CLAMP



FOAM SEAL TAPE

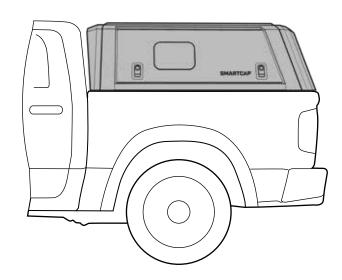


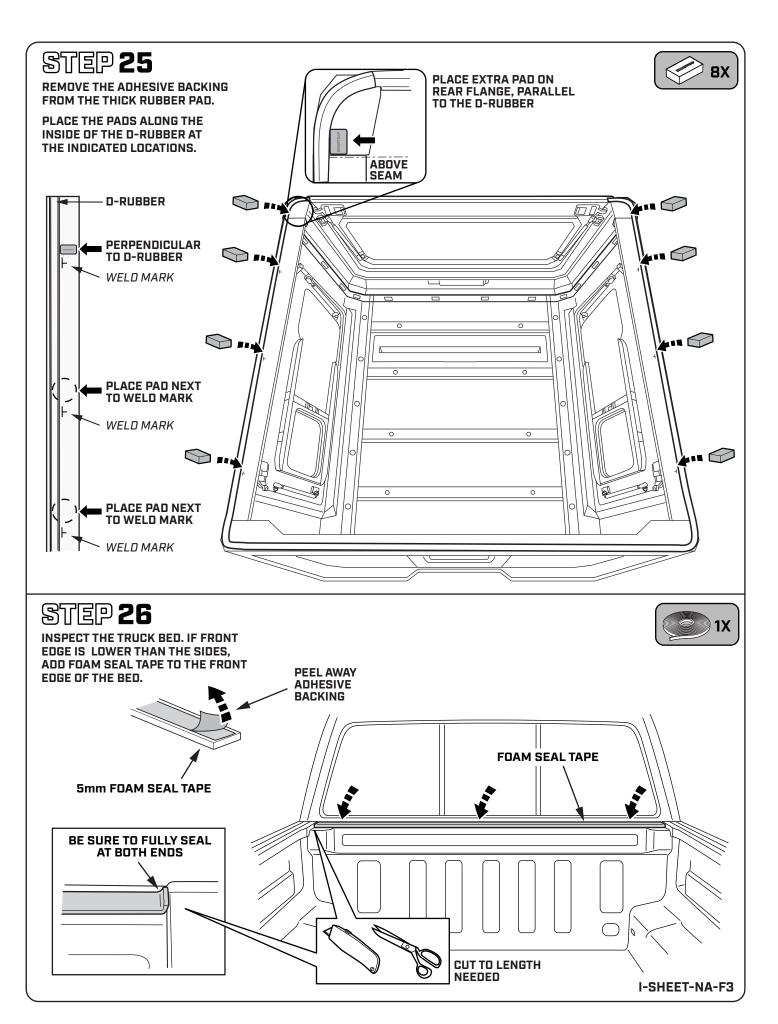
VEHICLE INSTALLATION



\!/ 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.

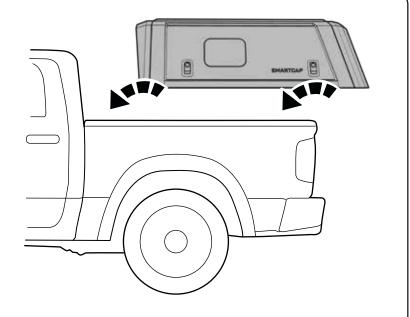




USE 4 PEOPLE TO LIFT THE ASSEMBLED SMARTCAP ONTO THE TRUCK BED.

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



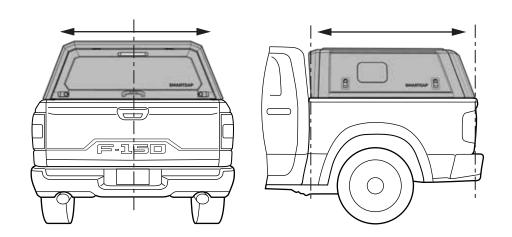


STEP 28

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

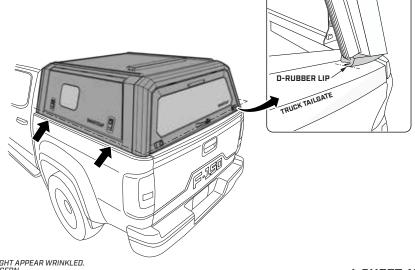
IT'S IMPORTANT THAT THE SMARTCAP IS NOT PUSHED TOO FAR FORWARD, LEAVING A GAP BETWEEN THE SMARTCAP AND THE CAB.



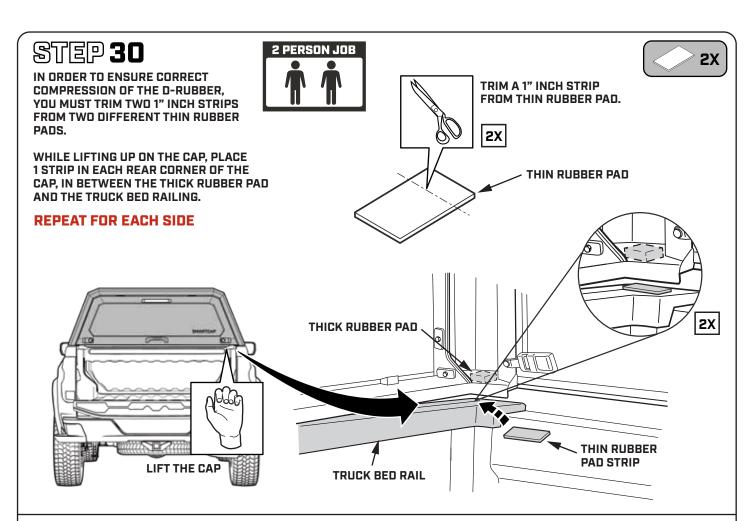


STEP 29

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.

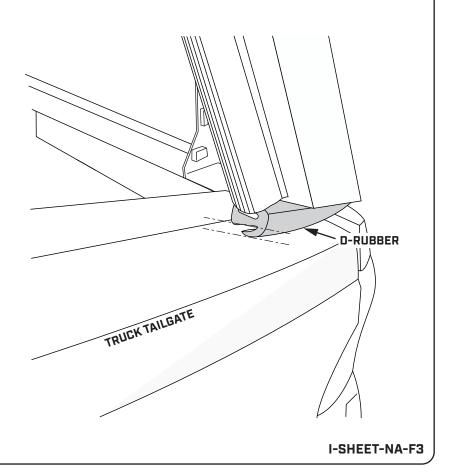


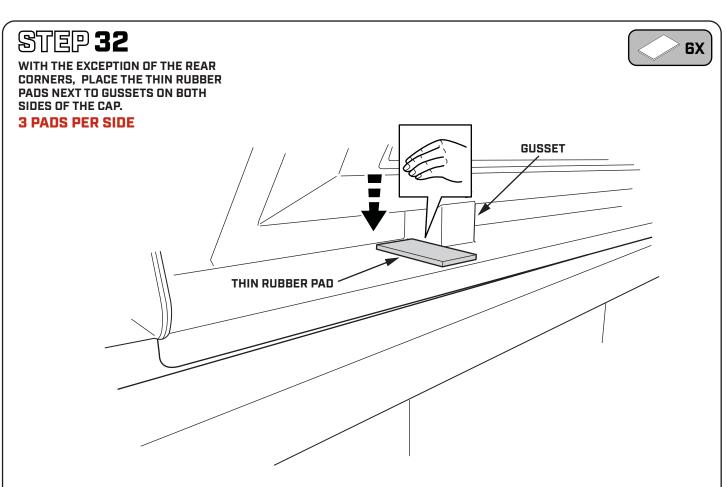
*YOU MAY NOTICE THAT THE SEAL ON THE SLIDING PORTAL WINDOW MIGHT APPEAR WRINKLED. THIS IS DUE TO THE ANTI-SLIP COATING AND IS NOT A CAUSE FOR CONCERN.

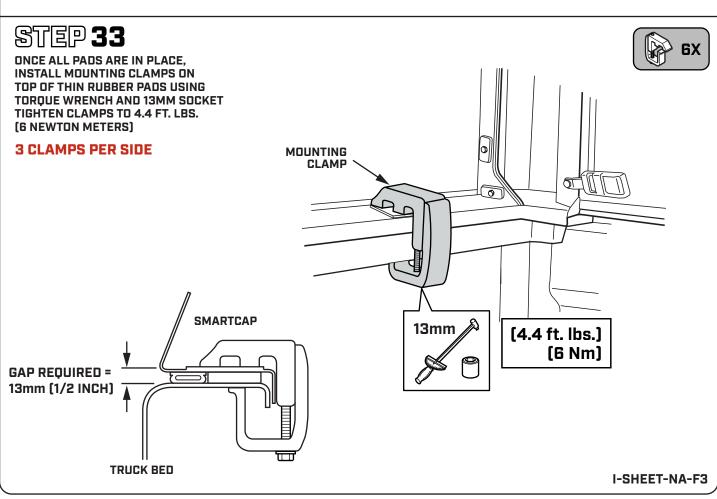


CHECK THE OPERATION OF THE TAILGATE.

THE LIP OF THE D-RUBBER SHOULD GRAZE THE TAILGATE WHEN OPENING AND CLOSING WITH EASE, CREATING A SATISFYING SEAL.







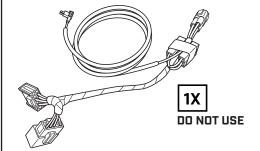
THIRD BRAKE LIGHT HARDWARE

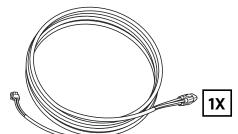
VERSION A

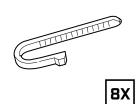
T-HARNESS











NOT INCLUDED

CABLE TIE BASE









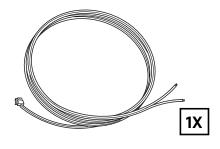




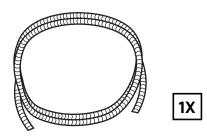


VERSION B

CONNECTOR HARNESS



PLASTIC SHEATH



FUSES

FUSE CONNECTOR

GROUND **TERMINAL**

SPLICE TERMINAL







DO NOT USE









IMPORTANT

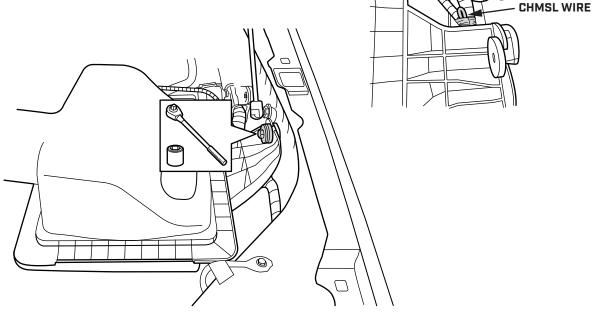
- BE SURE THE VEHICLE IS TURNED OFF FOR THIS INSTALLATION.
- READ THROUGH THE ENTIRE PROCEDURE BEFORE STARTING AND FOLLOW THE STEPS CAREFULLY TO ENSURE THE THIRD BRAKE LIGHT WILL FUNCTION PROPERLY.
- USE A TEST LIGHT TO CHECK FOR SUCCESSFUL INSTALLATION.



LOCATE THE SMALL CHMSL WIRE.

THE CHMSL WIRE IS TAPED TO A WIRING HARNESS NEAR THE DRIVER SIDE FRONT WHEEL WELL AND DIRECTLY UNDERNEATH THE AIR INTAKE FILTER BOX'S MOUNTING BRACKET.

YOU MAY NEED TO REMOVE THE BOLT HOLDING THE AIR INTAKE FILTER BOX TO ACCESS THE CHMSL WIRE.



STEP 35

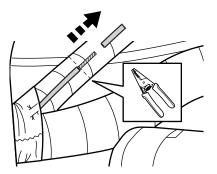
CHMSL WIRE

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

CHMSL WIRE 1

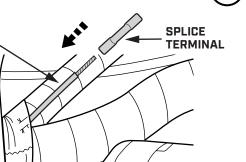
USE WIRE STRIPPERS TO REMOVE A HALF INCH OF PLASTIC WIRE INSULATION, EXPOSING THE COPPER WIRING WITHIN.







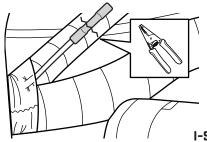
SLIDE THE SPLICE TERMINAL ONTO THE STRIPPED END OF THE CHMSL WIRE.

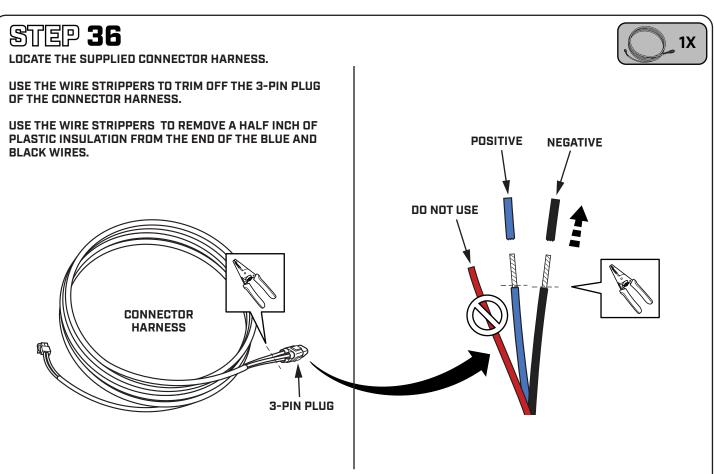


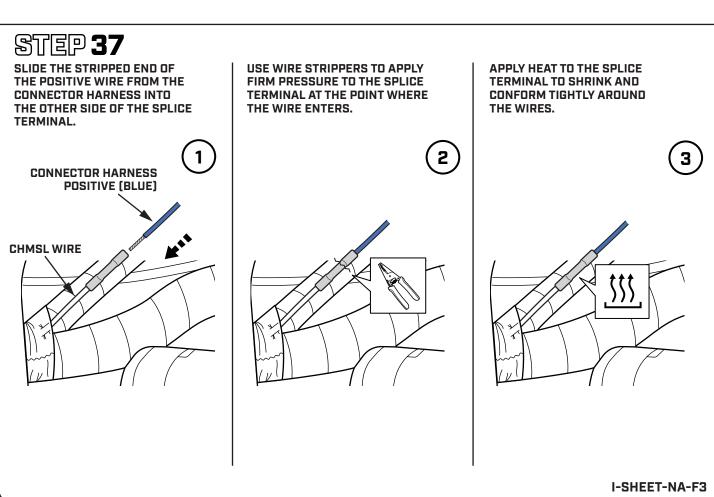
3

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







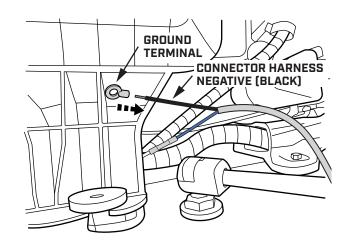


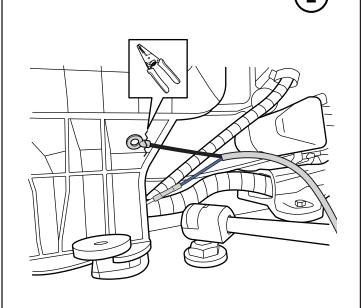
SLIDE THE GROUND TERMINAL ONTO THE STRIPPED END OF THE NEGATIVE WIRE.



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

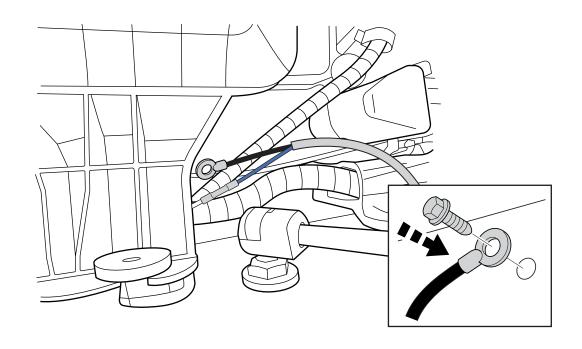




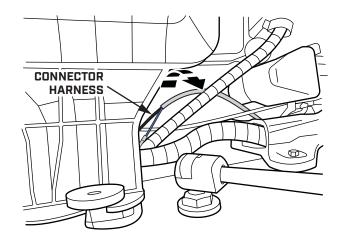


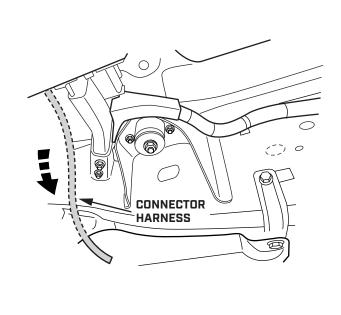
STEP **39**

FIND A SUITABLE LOCATION NEAR THE AIR FILTER BOX TO FASTEN THE GROUND TERMINAL TO BE GROUNDED.



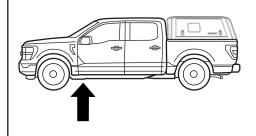
ROUTE THE CONNECTOR HARNESS DOWN TOWARDS THE undercarriage.

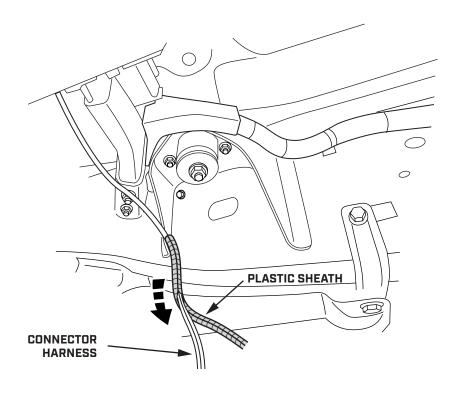




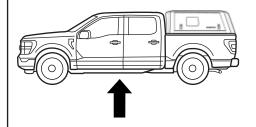
STEP **41**

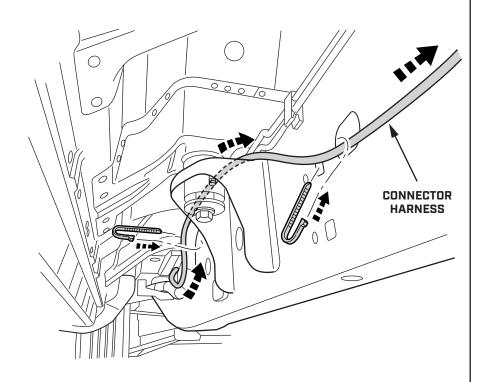
APPLY THE PLASTIC PROTECTIVE SHEATH ALONG THE ENTIRE LENGTH OF THE CONNECTOR HARNESS.





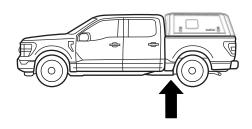
SECURING TO THE VEHICLE WITH CABLE TIES AT APPROX. 6 INCH INTERVALS WHENEVER POSSIBLE.

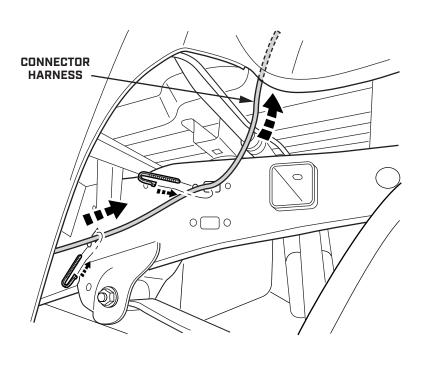




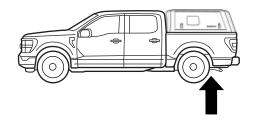
STEP **43**

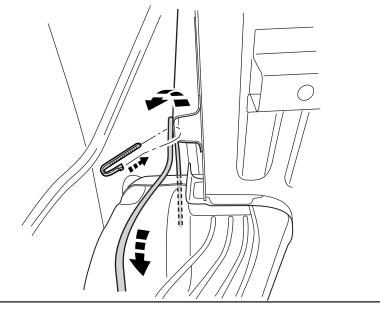
ROUTE THE CONNECTOR HARNESS UP AND OVER THE REAR WHEEL WELL.





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

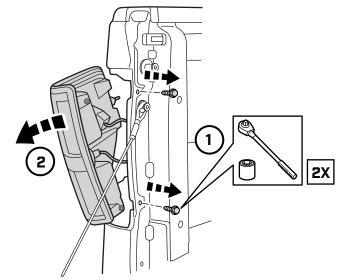




STEP 45

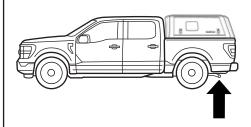
REMOVE THE BOLTS HOLDING THE DRIVER SIDE TAILLIGHT ASSEMBLY.

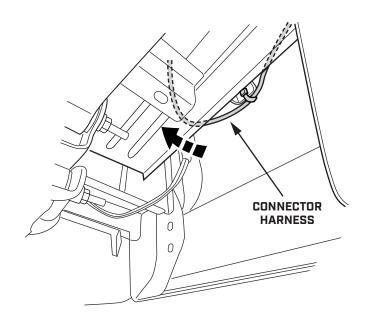
PLACE THE TAILLIGHT CAREFULLY ON THE TAILGATE. DO NOT UNPLUG ANY CONNECTORS.



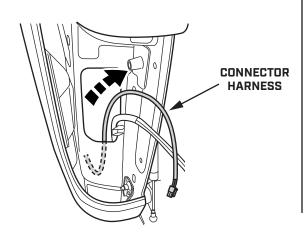
STEP 46

ROUTE THE CONNECTOR HARNESS UP TOWARDS THE TAILLIGHT CAVITY.

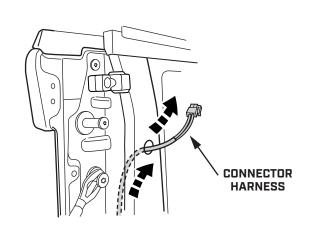




CAREFULLY PULL THE CONNECTOR HARNESS OUT THROUGH THE TAILLIGHT CAVITY.

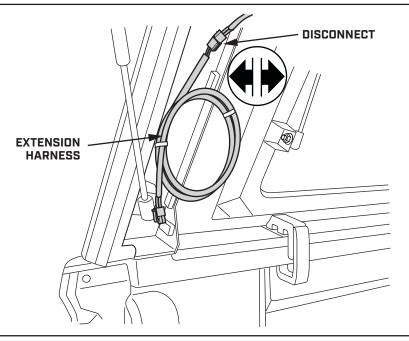


ROUTE THE CONNECTOR HARNESS UP AND OUT THROUGH THE HOLE IN THE SIDE OF THE BED.



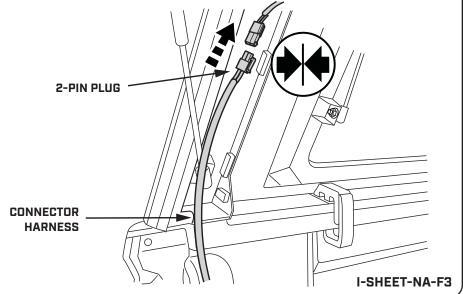
STEP 48

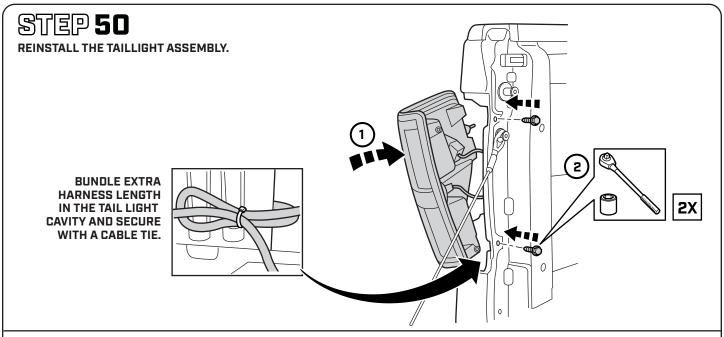
LOCATE AND DISCONNECT THE THIRD BRAKE LIGHT EXTENSION HARNESS FROM THE INSIDE BACK LEFT CORNER OF THE SMARTCAP.



STEP 49

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







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 OUESTIONS.

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