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











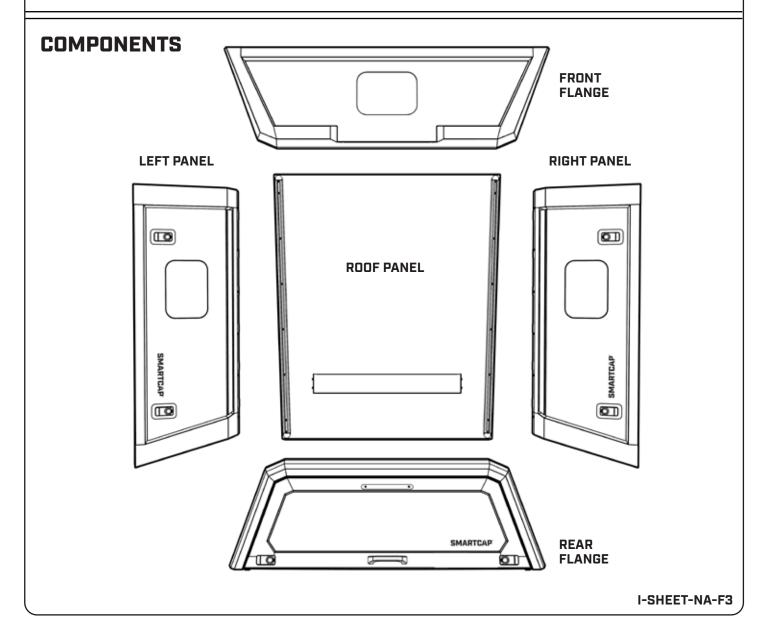






IMPORTANT

- **▼** 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.



ASSEMBLY HARDWARE

FITMENT KIT

M6 BOLT



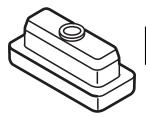
30X

FASTENER BLOCK CLAMP



30X

FASTENER BLOCK



30X

D-RUBBER

M6 LOCK WASHER



30X



- PRE-FASTENED TO ROOF PANEL----

M6 FENDER WASHER



12X

SHORT BED

14X

STANDARD BED

M6 LOCK NUT



12X

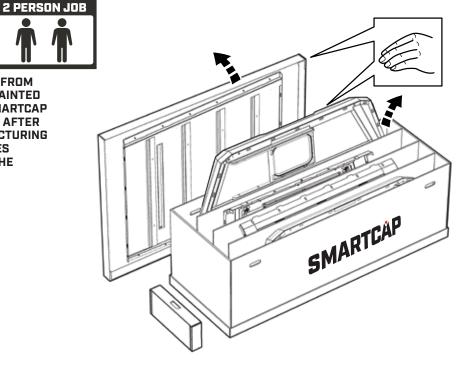
SHORT BED

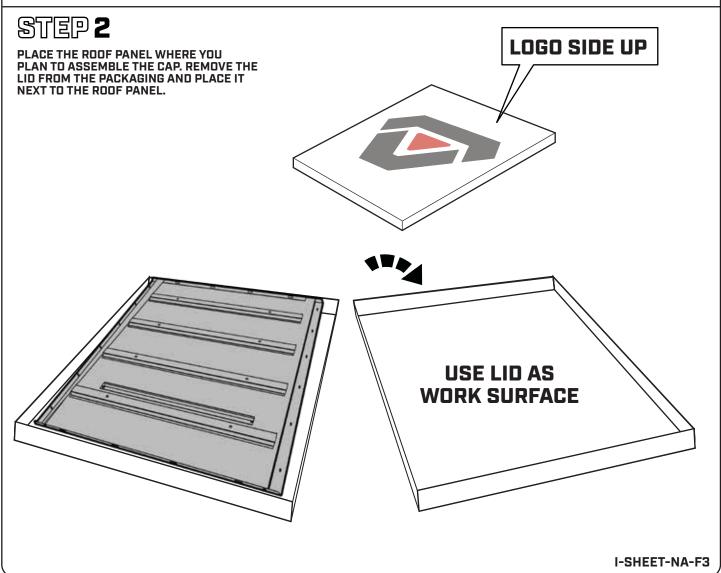
14X

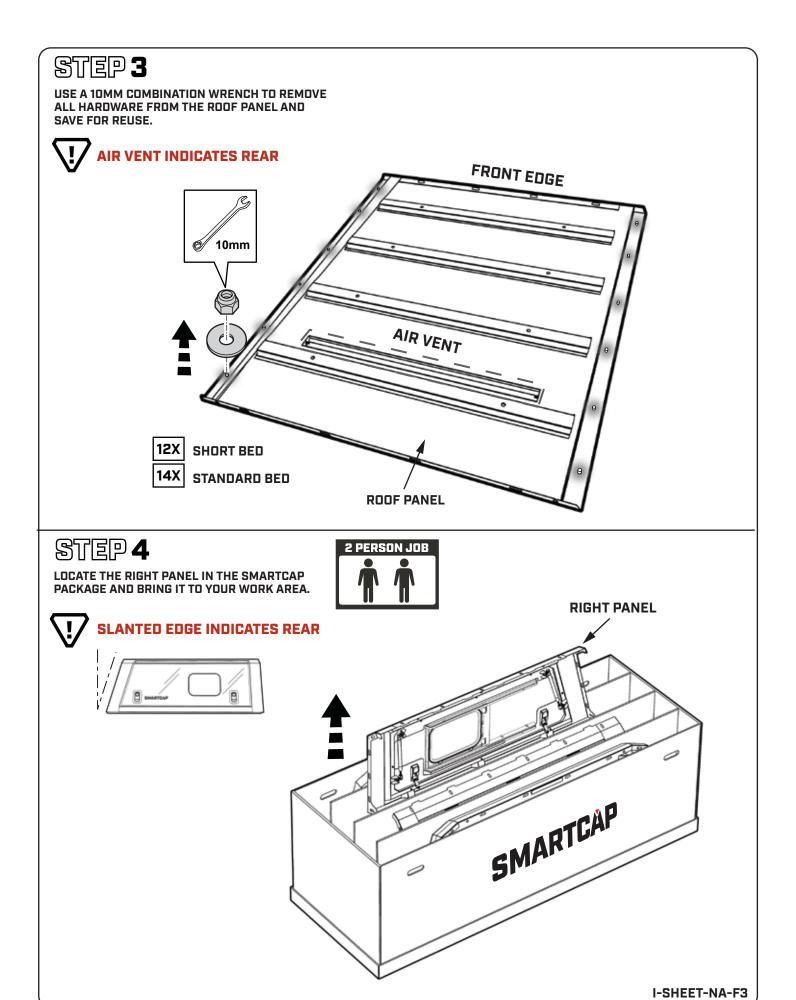
STANDARD BED

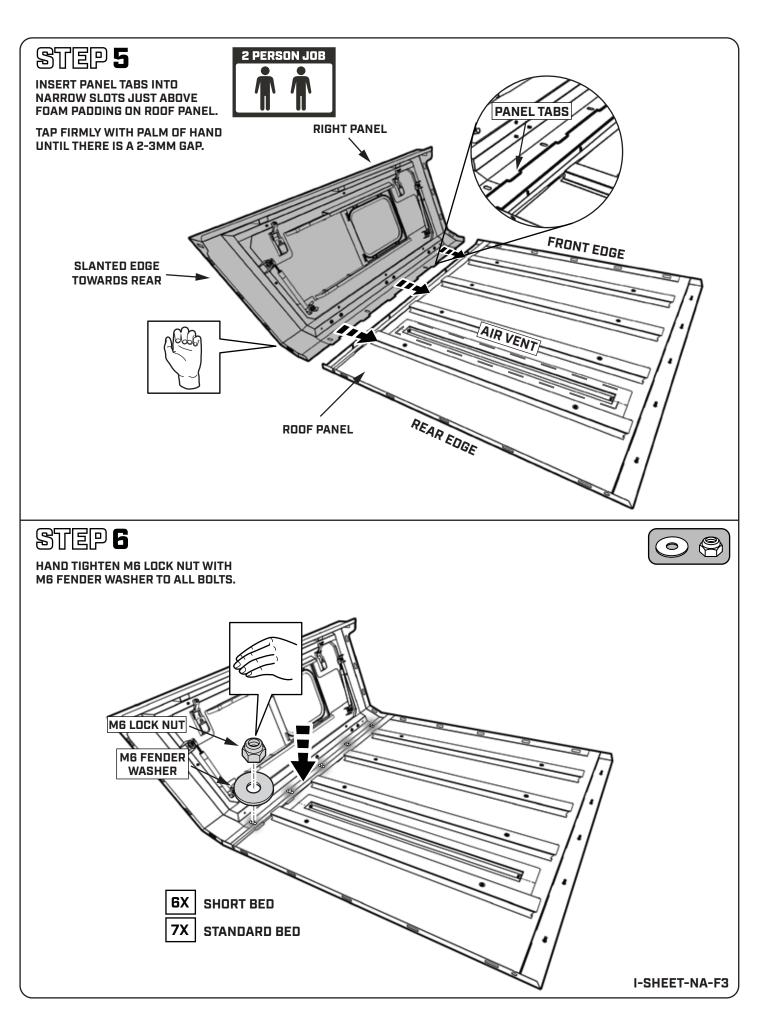


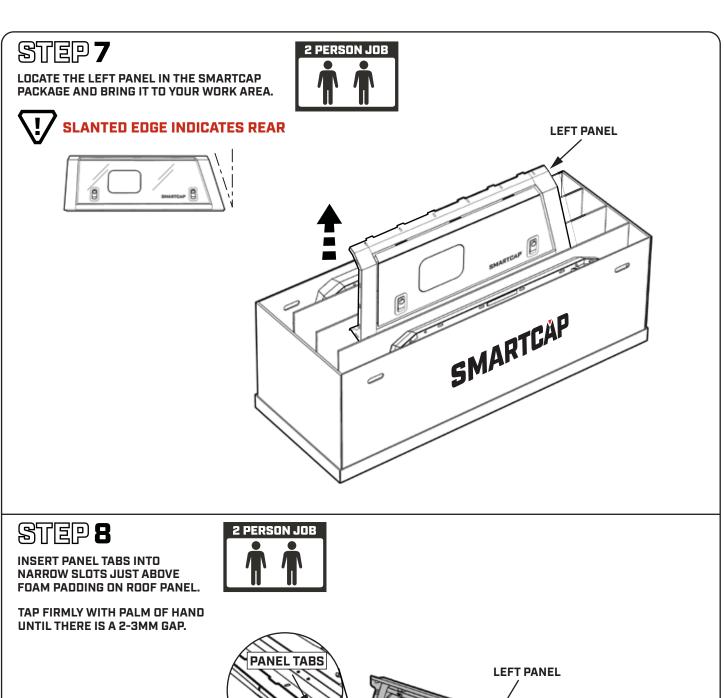
BE SURE TO REMOVE ALL FIVE PANELS FROM THEIR PACKAGING AND INSPECT THE PAINTED SURFACES PRIOR TO ASSEMBLY, AS SMARTCAP WILL NOT ACCEPT WARRANTY CLAIMS AFTER ASSEMBLY IS COMPLETED. IF MANUFACTURING IMPERFECTIONS OR SHIPPING DAMAGES ARE FOUND, DO NOT CONTINUE WITH THE ASSEMBLY PROCESS AND CONTACT SUPPORT.NA@SMARTCAP.COM.

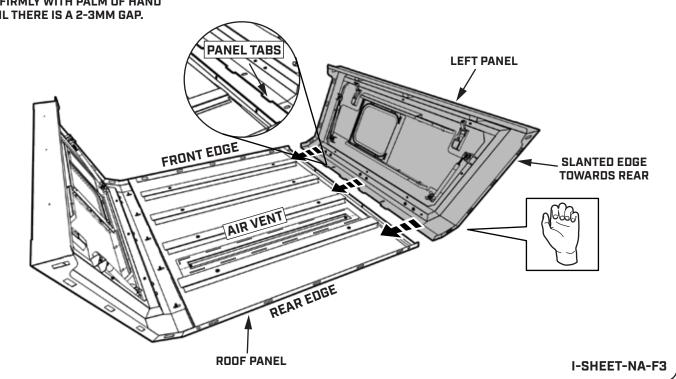






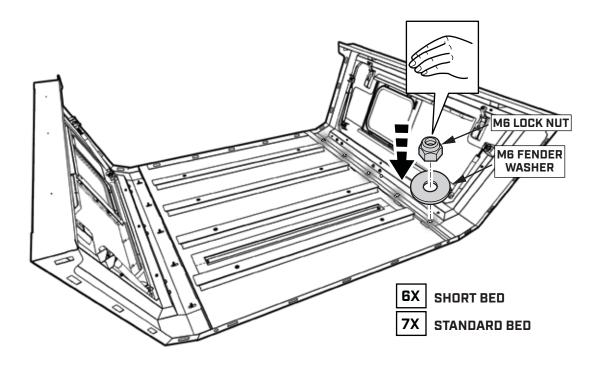






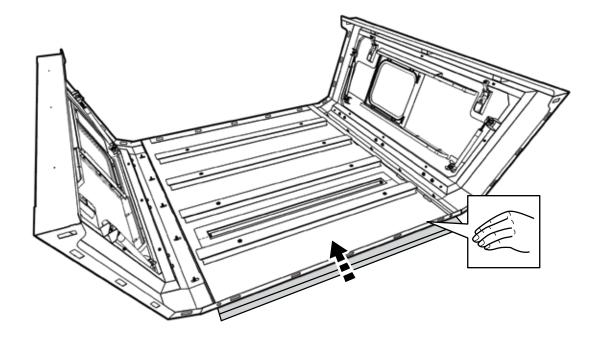
HAND TIGHTEN M6 LOCK NUT WITH M6 FENDER WASHER TO ALL BOLTS.





STEP 10

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

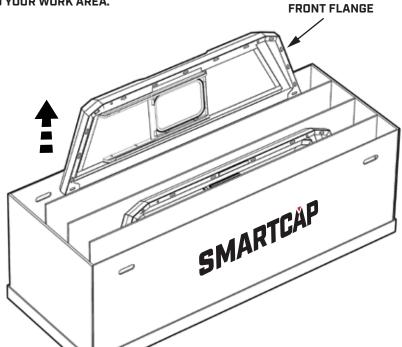


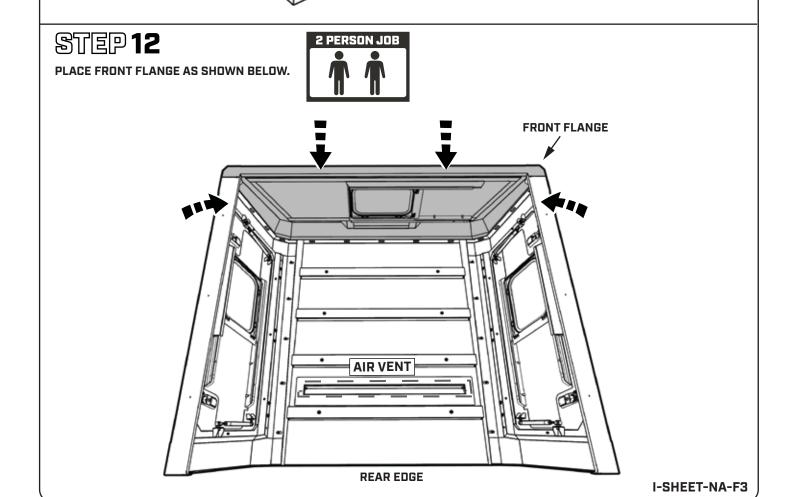
RETRIEVE THE NECESSARY HARDWARE FROM THE FITMENT KIT.

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









INSTALL HARDWARE ALONG FRONT FLANGE WITH M6 BOLT ON INSIDE.

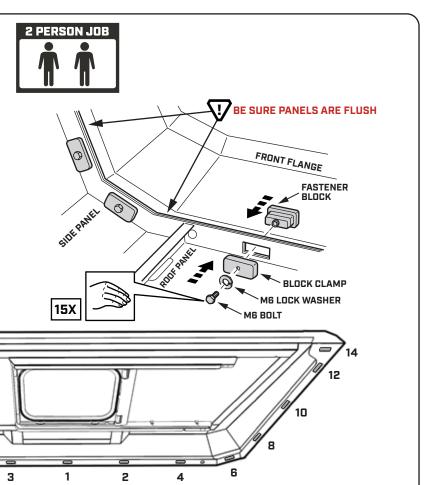
START WITH ASSEMBLING FASTENER BLOCKS 1-5.

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

HAND TIGHTEN IN THE SEQUENCE SHOWN.

15

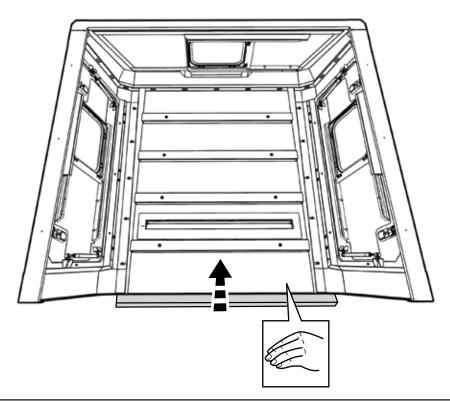
13



STEP 14

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

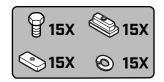
5

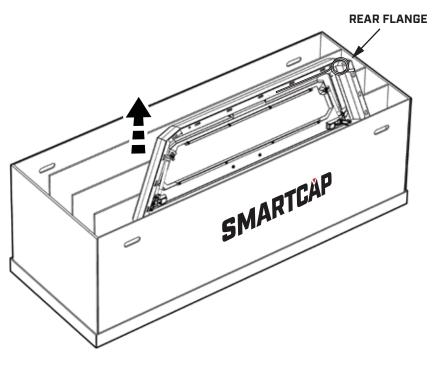


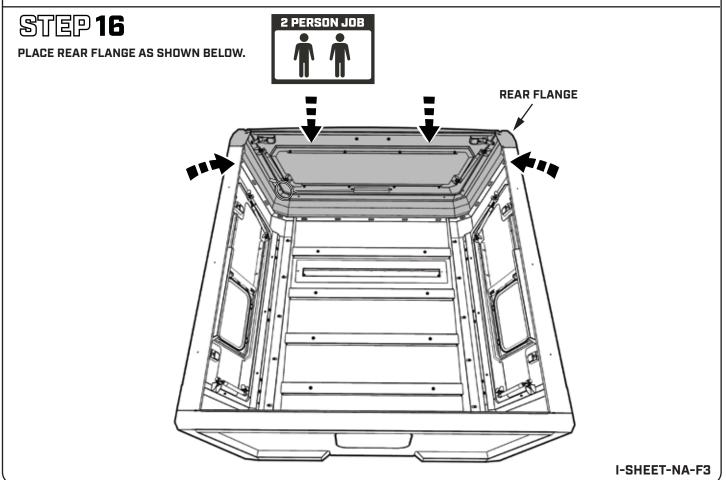
RETRIEVE THE NECESSARY HARDWARE FROM THE FITMENT KIT.

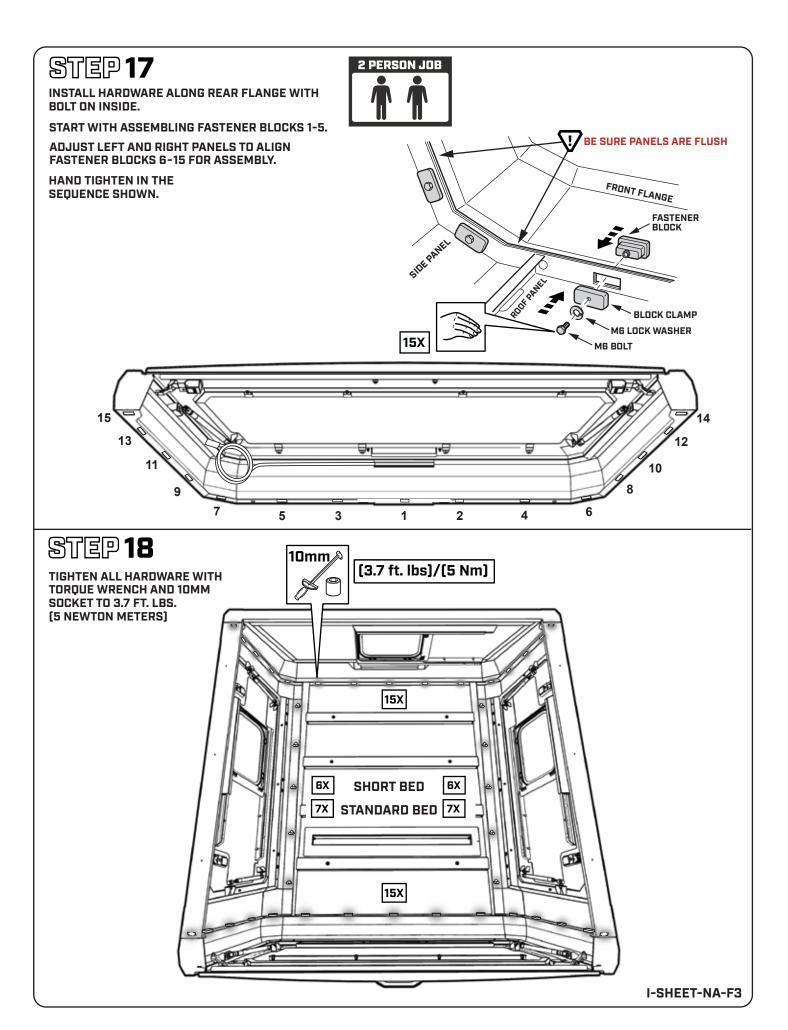
LOCATE THE REAR FLANGE IN THE SMARTCAP PACKAGE AND BRING IT TO YOUR WORK AREA.





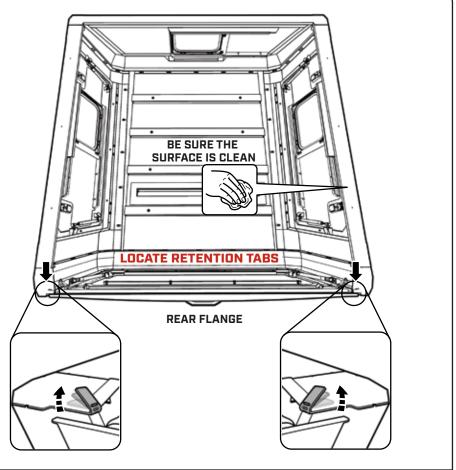






ENSURE THE ENTIRE BOTTOM EDGE OF THE SMARTCAP IS CLEAN.

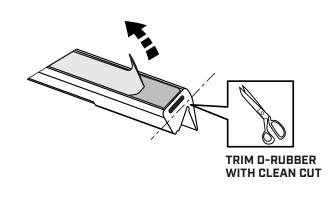
LOCATE BOTH RETENTION TABS ON THE REAR FLANGE AND BEND EACH TO A 45-DEGREE ANGLE FOR D-RUBBER FITMENT.

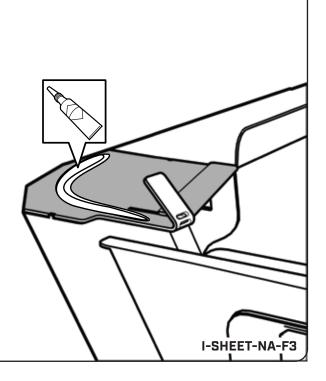


STEP 20

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

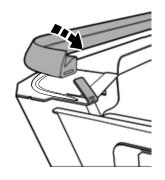


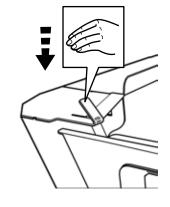




FULLY INSERT THE RETENTION TAB
INTO THE SLOT ON THE D-RUBBER.
ENSURE THE D-RUBBER IS ORIENTED
CORRECTLY WITH ITS PROFILE MATCHING
THE CONTOUR OF THE REAR FLANGE.

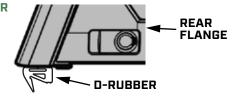
PRESS DOWN FIRMLY ON THE TAB AND THE D-RUBBER TO BOND IT TO THE REAR FLANGE, CREATING A TIGHT SEAL.

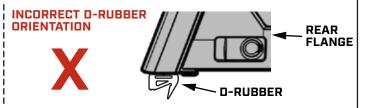




CORRECT D-RUBBER ORIENTATION







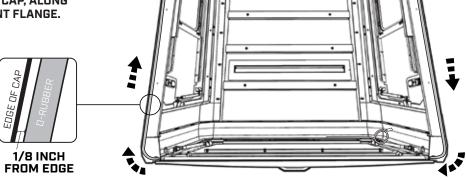
REINFORCE CORNERS
WITH SUPER GLUE

STEP 22

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.

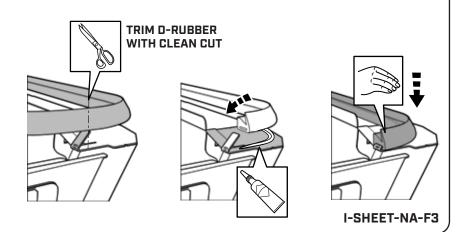


STEP 23

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

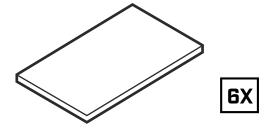
APPLY 2-3 INCHES OF GEL SUPER GLUE NEAR THE RETENTION TAB, ALONG THE BOTTOM EDGE OF THE REAR FLANGE. FULLY INSERT THE RETENTION TAB INTO THE SLOT ON THE D-RUBBER.

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

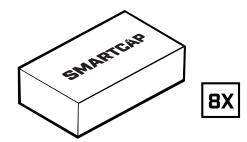


INSTALLATION HARDWARE

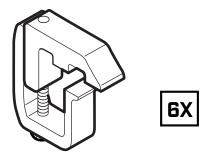
THIN RUBBER PAD



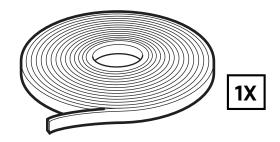
THICK RUBBER PAD



MOUNTING CLAMP



FOAM SEAL TAPE

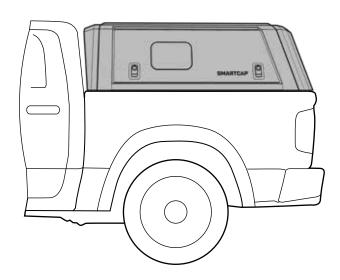


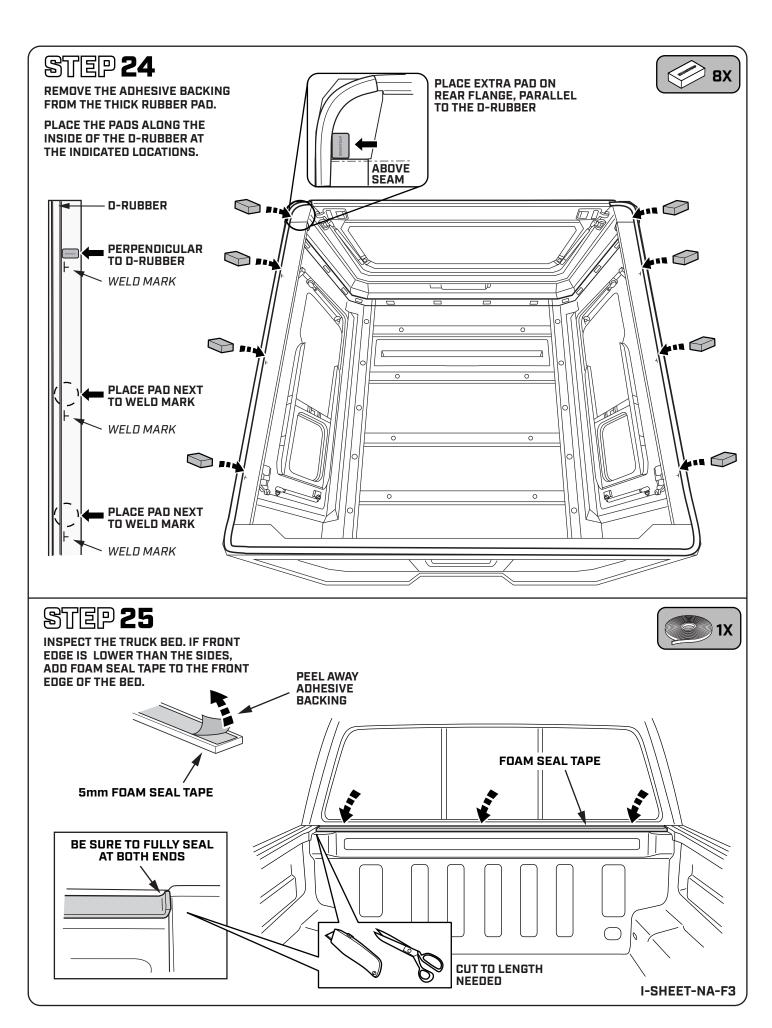
VEHICLE INSTALLATION



\!/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.

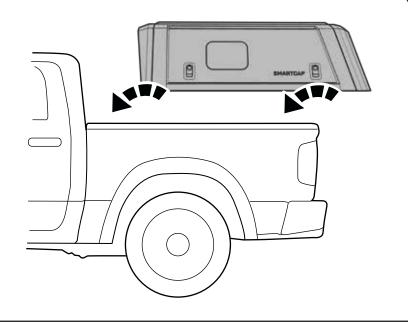




USE 4 PEOPLE TO LIFT THE ASSEMBLED SMARTCAP ONTO THE TRUCK BED.

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



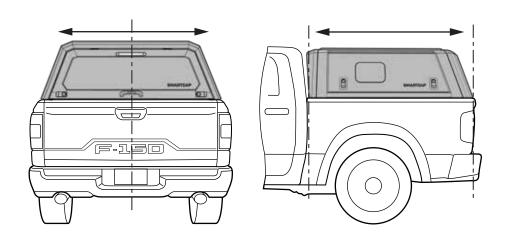


STEP 27

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

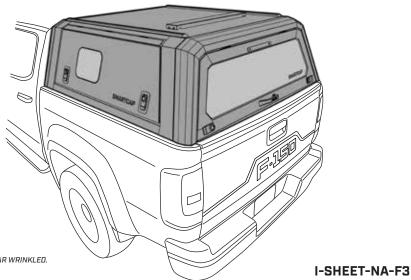
IT'S IMPORTANT THAT THE SMARTCAP IS NOT PUSHED TOO FAR FORWARD, LEAVING A GAP BETWEEN THE SMARTCAP AND THE CAB.

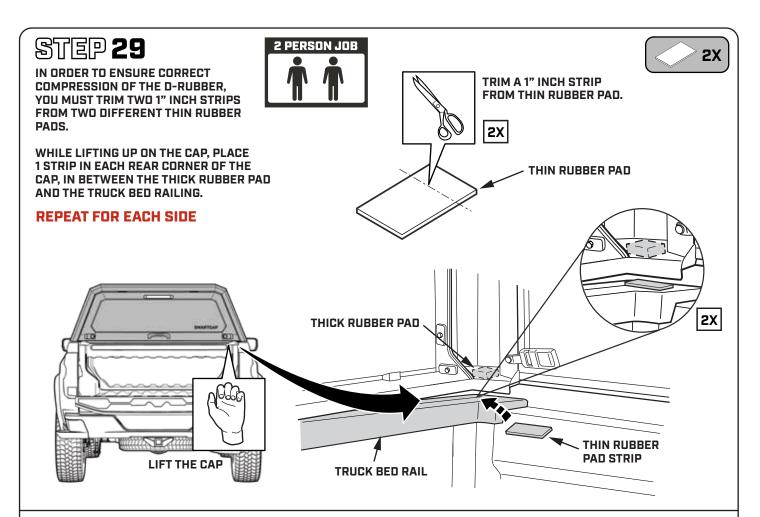




STEP 28

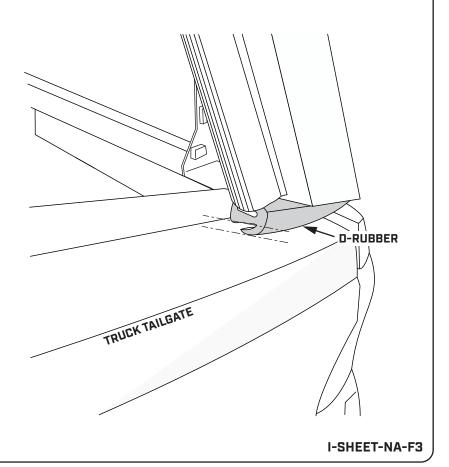
WALK AROUND THE TRUCK BED TO MAKE SURE THE D-RUBBER FITMENT IS CORRECT AND THAT THE RUBBER LIP IS PROPERLY TUCKED UNDERNEATH THE CAP.

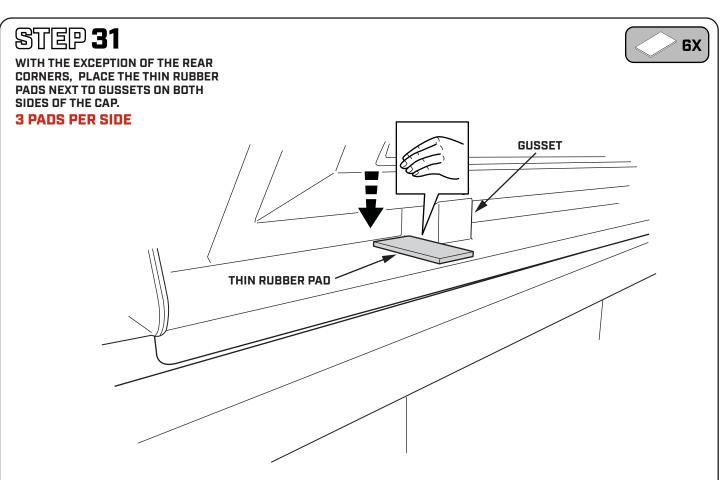


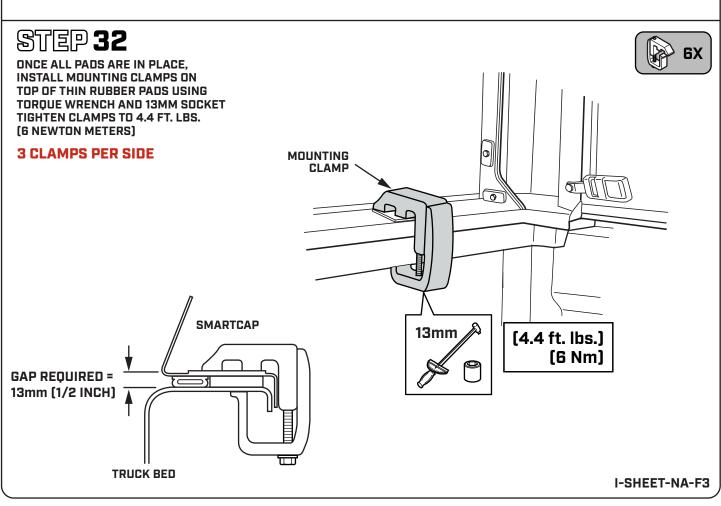


CHECK THE OPERATION OF THE TAILGATE.

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



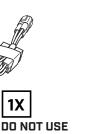




THIRD BRAKE LIGHT HARDWARE

VERSION A

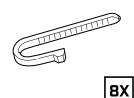
T-HARNESS



CONNECTOR HARNESS







NOT INCLUDED

CABLE TIE BASE





GROUND TERMINAL



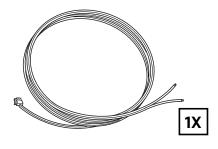


SPLICE TERMINAL

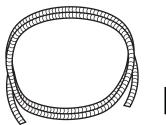


VERSION B

CONNECTOR HARNESS



PLASTIC SHEATH



1X

FUSES

FUSE CONNECTOR





GROUND **TERMINAL**





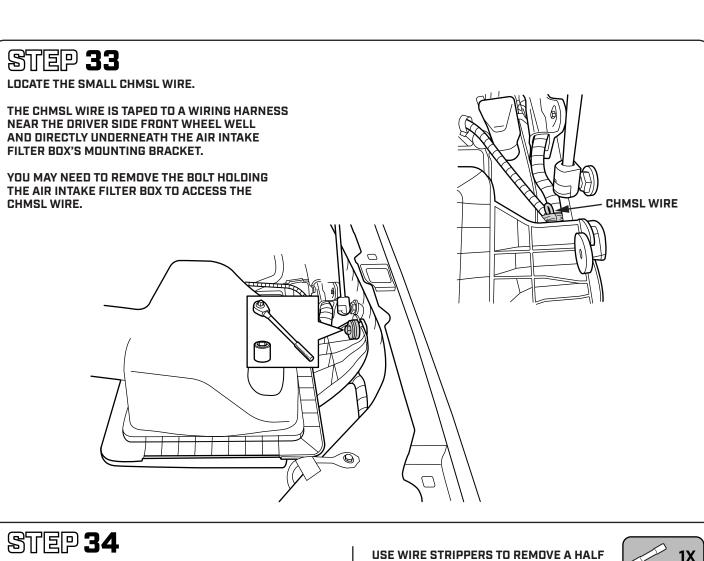
SPLICE TERMINAL

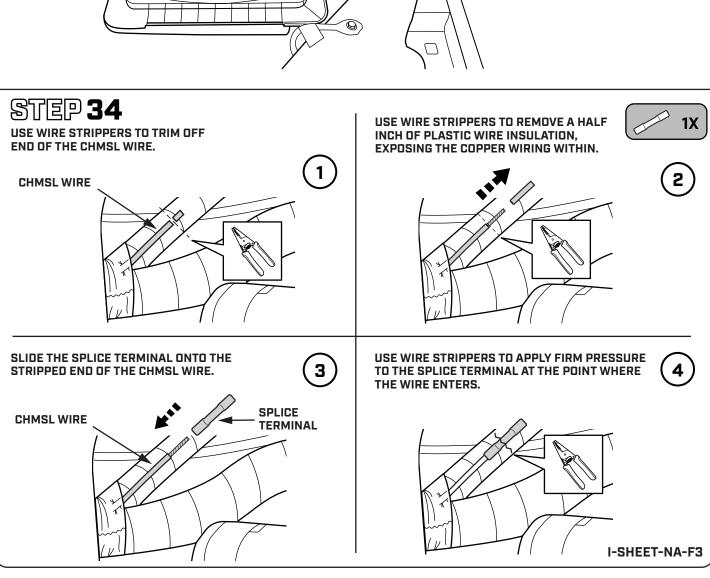


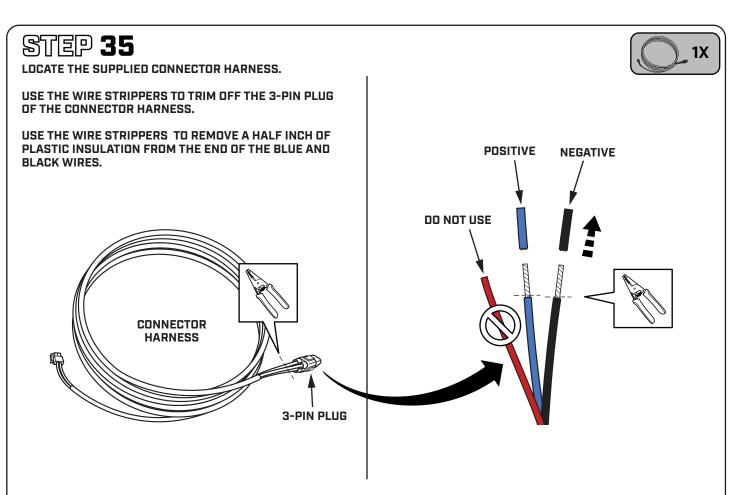


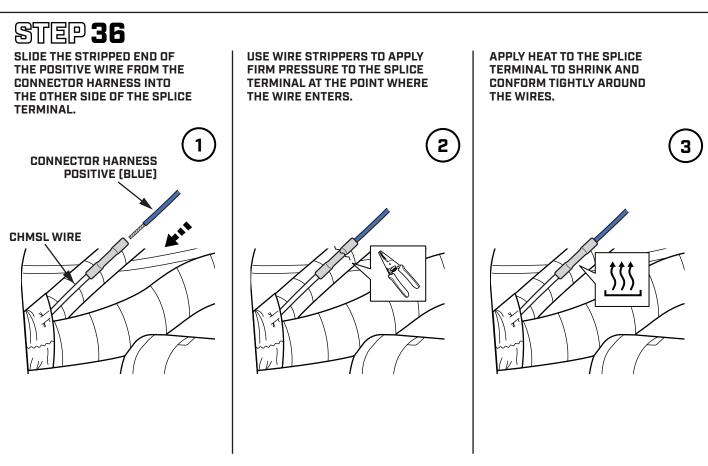
IMPORTANT

- 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.









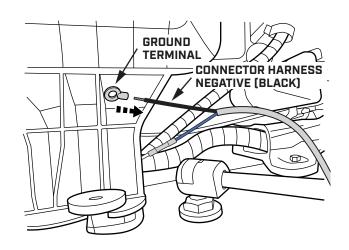
D 1X

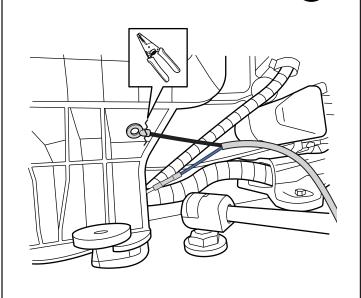
SLIDE THE GROUND TERMINAL ONTO THE STRIPPED END OF THE NEGATIVE WIRE.



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

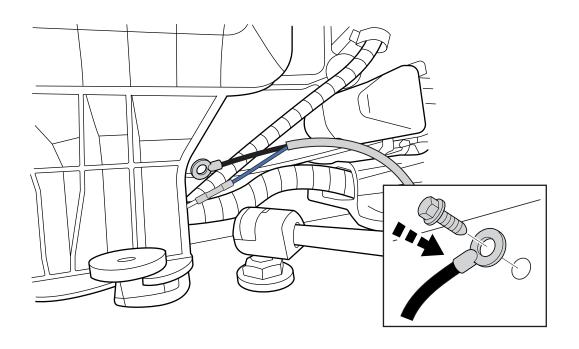




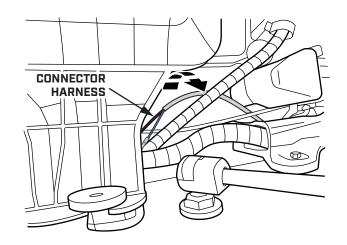


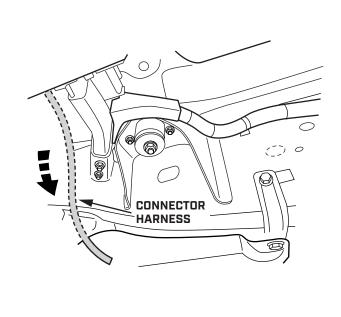
STEP 38

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



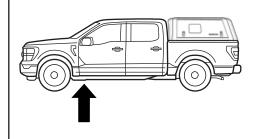
ROUTE THE CONNECTOR HARNESS DOWN TOWARDS THE UNDERCARRAIGE.

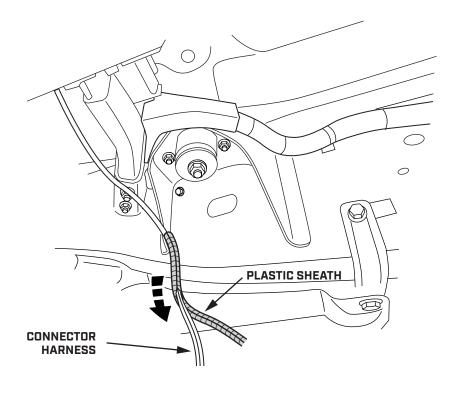




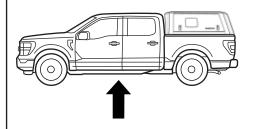
STEP 40

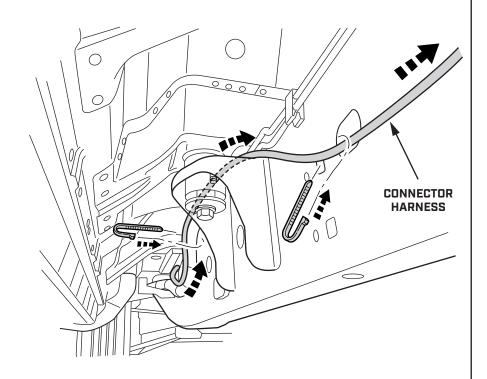
APPLY THE PLASTIC PROTECTIVE SHEATH ALONG THE ENTIRE LENGTH OF THE CONNECTOR HARNESS.





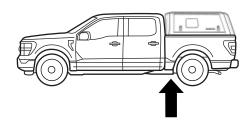
SECURING TO THE VEHICLE WITH CABLE TIES AT APPROX. 6 INCH INTERVALS WHENEVER POSSIBLE.

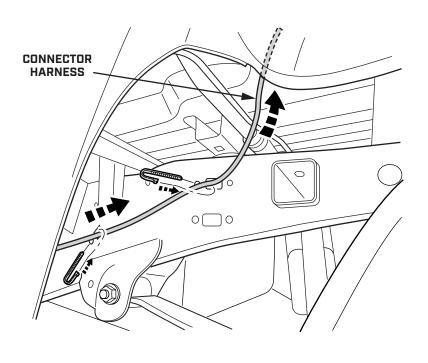




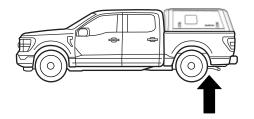
STEP 42

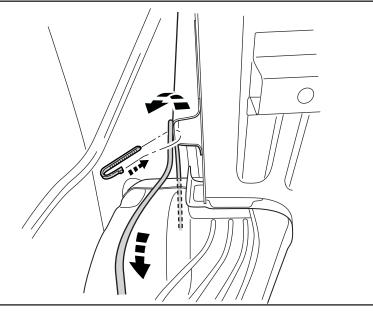
ROUTE THE CONNECTOR HARNESS UP AND OVER THE REAR WHEEL WELL.





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

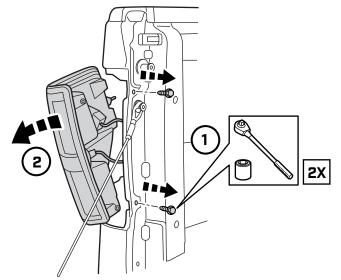




STEP 44

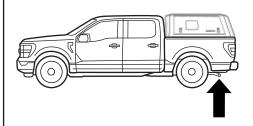
REMOVE THE BOLTS HOLDING THE DRIVER SIDE TAILLIGHT ASSEMBLY.

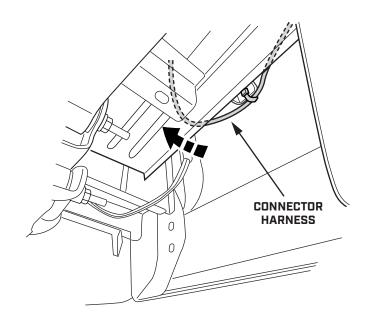
PLACE THE TAILLIGHT CAREFULLY ON THE TAILGATE. DO NOT UNPLUG ANY CONNECTORS.



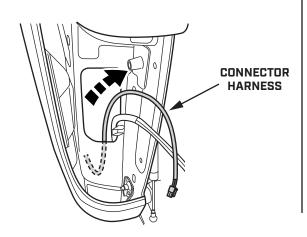
STEP 45

ROUTE THE CONNECTOR HARNESS UP TOWARDS THE TAILLIGHT CAVITY.

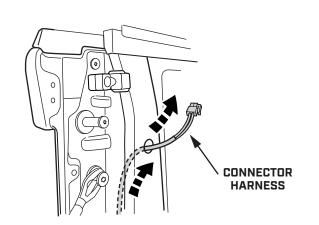




CAREFULLY PULL THE CONNECTOR HARNESS OUT THROUGH THE TAILLIGHT CAVITY.

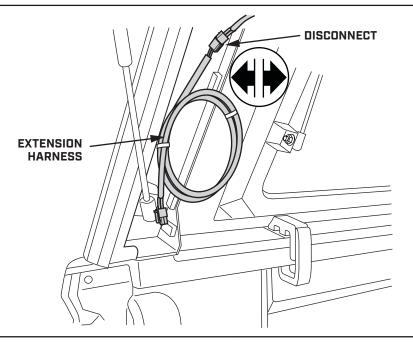


ROUTE THE CONNECTOR HARNESS UP AND OUT THROUGH THE HOLE IN THE SIDE OF THE BED.



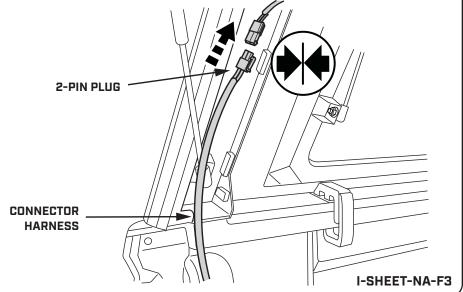
STEP 47

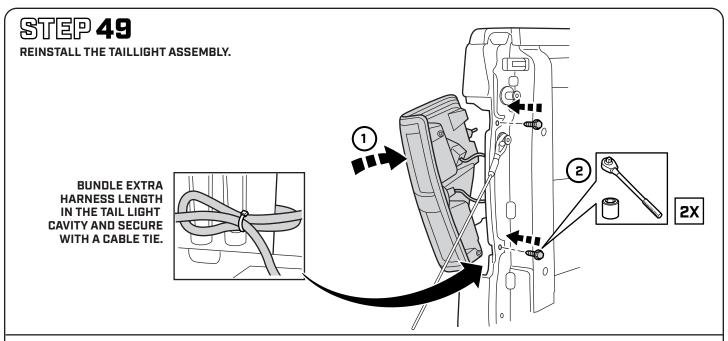
LOCATE AND DISCONNECT THE THIRD BRAKE LIGHT EXTENSION HARNESS FROM THE INSIDE BACK LEFT CORNER OF THE SMARTCAP.



STEP 48

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.

SMARTCAP.COM

SUPPORT.NA@SMARTCAP.COM - NORTH AMERICA SUPPORT.SA@SMARTCAP.COM - REST OF WORLD





