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.

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

SMARTCAP.COM

I-SHEET-NA-TU2
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.

TOOLS REQUIRED
- 8mm Socket
- 13mm Socket
- 10mm Socket
- 13mm Socket
- Torque Wrench
- Drill/ 3/4” Drill Bit
- Utility Knife
- Scissors
- Super Glue

COMPONENTS

I-SHEET-NA-TU2
ASSEMBLY HARDWARE

**FITMENT KIT**

- **M6 BOLT**
  - 30X

- **M6 LOCK WASHER**
  - 30X

- **O - RUBBER**
  - 1X

- **FASTENER BLOCK CLAMP**
  - 30X

- **FASTENER BLOCK**
  - 30X

- **SPARE PARTS**
  - 2X

**PRE-FASTENED TO ROOF PANEL**

- **M6 FENDER WASHER**
  - 12X SHORT BED
  - 14X STANDARD BED

- **M6 LOCK NUT**
  - 12X SHORT BED
  - 14X STANDARD BED
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 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.

LOGO SIDE UP

USE LID AS WORK SURFACE
**STEP 3**

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

!! AIR VENT INDICATES REAR

! 10mm

FRONT EDGE

AIR VENT

12X SHORT BED

14X STANDARD BED

ROOF PANEL

**STEP 4**

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

!! SLANTED EDGE INDICATES REAR

2 PERSON JOB

RIGHT PANEL

SMARTCAP
STEP 5
INSERT PANEL TABS INTO NARROW SLOTS JUST ABOVE FOAM PADDING ON ROOF PANEL.
TAP FIRMLY WITH PALM OF HAND UNTIL THERE IS A 2-3MM GAP.

STEP 6
HAND TIGHTEN M6 LOCK NUT WITH M6 FENDER WASHER TO ALL BOLTS.
**STEP 7**

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

![Image of left panel in SMARTCAP package]

- SLANTED EDGE INDICATES REAR

**2 PERSON JOB**

**STEP 8**

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

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

![Image showing panel tabs and air vent]

**2 PERSON JOB**
**STEP 9**
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.
STEP 11
RETRIEVE THE NECESSARY HARDWARE FROM THE FITMENT KIT.
LOCATE THE FRONT FLANGE IN THE SMARTCAP PACKAGE AND BRING IT TO YOUR WORK AREA.

STEP 12
PLACE FRONT FLANGE AS SHOWN BELOW.
**STEP 13**

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.

---

**STEP 14**

PUSH THE SMARTCAP TO EXPOSE A FEW INCHES OF STYROFOAM UNDERNEATH THE ROOF PANEL TO PROVIDE SUPPORT FOR THE REAR FLANGE.
**STEP 15**

RETRIEVE THE NECESSARY HARDWARE FROM THE FITMENT KIT.
LOCATE THE REAR FLANGE IN THE SMARTCAP PACKAGE AND BRING IT TO YOUR WORK AREA.

**STEP 16**

PLACE REAR FLANGE AS SHOWN BELOW.
**STEP 17**

Install hardware along rear flange with 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.

---

**STEP 18**

Tighten all hardware with torque wrench and 10mm socket to 3.7 ft. lbs. [5 Newton meters]
**STEP 19**

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.

![Diagram of SmartCap with retention tabs and rubber fitment instructions]

**STEP 20**

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

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

![Diagram of SmartCap with super glue application instructions]
**INSTALLATION HARDWARE**

- **Thin Rubber Pad**
  - Quantity: 6x

- **Mounting Clamp**
  - Quantity: 6x

- **Thick Rubber Pad**
  - Quantity: 8x

- **Foam Seal Tape**
  - Quantity: 1x

**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.

![Vehicle Diagram]

I-SHEET-NA-TU2
STEP 24

REMOVE THE ADHESIVE BACKING FROM THE THICK RUBBER PAD.

PLACE THE PADS ALONG THE INSIDE OF THE D-RUBBER AT THE INDICATED LOCATIONS.

STEP 25

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

BE SURE TO FULLY SEAL AT BOTH ENDS
**STEP 26**

Carefully pull up on the plastic panel of the truck bed railing, exposing the sheet metal.

![Diagram showing plastic panel being pulled up](image)

**STEP 27**

Retrieve the thin rubber pads from the fitment kit.

Using a pair of scissors, trim a 1/2" strip from each of the 6 thin rubber pads.

Place the pads on the sheet metal of the truck bed railing as shown.

*Repeat on opposite side*

![Diagram showing thin rubber pads being placed](image)
STEP 28
FIRMLY SECURE THE PLASTIC PANELS OF THE TRUCK BED RAILING BACK IN PLACE.

STEP 29
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 30**

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.

![4 Person Job Image]

**STEP 31**

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 rub the tailgate when opening and closing with ease.

There should be 1/2 inch of space between the D-Rubber base and D-Rubber lip.

*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.*

**STEP 32**

With the exception of the rear corners, place the thin rubber pads next to the gussets on both sides of the cap.

Make sure the thin rubber pads are placed directly above where the thick rubber pads are located along the bottom of the cap.

3 Pads Per Side
**STEP 33**
Disassemble mounting clamps.

Install lower clamp arms into rail inside the truck bed and set them in front of every thin rubber pad.

*3 CLAMPS PER SIDE*

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**STEP 34**
Reassemble upper and lower clamp arms.

Hand tighten all mounting clamps on top of thin rubber pads.

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**STEP 35**
Tighten mounting clamps using torque wrench and 13mm socket to 4.4 ft. lbs. (6 newton meters)

-Gap required = 13mm (1/2 inch)
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.
**STEP 36**

Remove the bolts holding the driver side tailight assembly.

**STEP 37**

Place the tailight assembly carefully on the tailgate. Do not unplug any connectors.

**STEP 38**

Using a 3/8 inch drill bit, drill a guide hole in the left rear corner of the truck bed. Make sure the hole is drilled within a half inch from the bend in the panel.

Once complete, use the 3/4 inch drill bit to bore out the hole.

If necessary, remove any burrs or sharp edges with a metal file.
**STEP 39**


**STEP 40**

RETRIEVE THE SUPPLIED T-HARNESS FROM YOUR FITMENT KIT.

CONNECT THE 2-PIN FEMALE PLUG OF THE T-HARNESS INTO THE MALE 2-PIN PLUG OF THE THIRD BRAKE LIGHT EXTENSION HARNESS.
**STEP 41**
FROM UNDERNEATH THE VEHICLE, ROUTE THE T-HARNESS ABOVE THE FRAME, ALONG THE INSIDE OF THE REAR BUMPER AND TOWARD THE 7 WAY TRAILER CONNECTOR NEAR THE TRAILER HITCH.

**STEP 42**
DISCONNECT THE PLUG FROM THE BACK OF THE 7-WAY CONNECTOR.

**STEP 43**
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 44
BUNDLE EXTRA T-HARNESS LENGTH IN THE TAILLIGHT CAVITY AND SECURE WITH CABLE TIES.
REINSTALL THE TAILLIGHT ASSEMBLY.

STEP 45

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.
- YOUR CAP INSTALLATION IS COMPLETE.

WARNING: SOME VEHICLES MAY SHOW A “DISCONNECTED TRAILER” ERROR. IF THIS OCCURS AND YOUR TRUCK IS EQUIPPED WITH VEHICLE TOWING SOFTWARE, NAVIGATE THE CONTROLS TO MANUALLY ENABLE POWER TO THE 7-WAY CONNECTOR. THIS CAN APPEAR AS “ENABLE AUXILIARY” OR “ENABLE TRAILER.” IF CHMSL DOES NOT WORK, SHUT OFF THE VEHICLE. WAIT 10 SECONDS AND RESTART. WAIT AN ADDITIONAL 10 SECONDS FOR THE VEHICLE TO DETECT CHMSL.

IMPORTANT: WHEN ATTACHING A TRAILER, ALWAYS TEST THE TRAILER LIGHT FUNCTIONALITY WHILE USING THIS SYSTEM.
BE SURE THE SURFACE IS CLEAN

LOCATE RETENTION TAB

REAR FLANGE
1. Trim D-Rubber with clean cut.

2. Apply Super Glue.
1. Fully insert the tab into the D-rubber.

2. Correct D-rubber orientation:
   - REAR FLANGE: D-rubber
   - REAR FLANGE: D-rubber

3. Incorrect D-rubber orientation:
   - REAR FLANGE: D-rubber
   - REAR FLANGE: D-rubber

3. Insert the tab.
1/8 INCH FROM EDGE
1
TRIM EXCESS

2
FULLY INSERT THE TAB INTO THE D-RUBBER

3
**STEP 21**

- 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**

![Correct Orientation]

**INCORRECT D-RUBBER ORIENTATION**

![Incorrect Orientation]

**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.

1/8 INCH FROM EDGE

![Alignment Diagram]

**STEP 23**

- Trim any excess D-rubber beyond the edge for a neat finish.

Apply 2-3 inches of 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.

TRIM D-RUBBER WITH CLEAN CUT

![Trimming Diagram]

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