**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.**
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
- Socket Wrench
- Combination Wrench
- Torque Wrench
- Utility Knife
- Scissors
- Super Glue

10mm Socket
13mm Socket

10mm Socket
13mm Socket

I-SHEET-NA-TA3
ASSEMBLY HARDWARE

FITMENT KIT

M6 BOLT

FASTENER BLOCK CLAMP

M6 LOCK WASHER

FASTENER BLOCK

D - RUBBER

SPARE PARTS

M6 BOLT FASTENER BLOCK CLAMP

30X

30X

30X

1X

2X

PRE-FASTENED TO ROOF PANEL

M6 FENDER WASHER

M6 LOCK NUT

10X SHORT BED

10X SHORT BED

12X STANDARD BED

12X STANDARD BED

I-SHEET-NA-TA3
**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**

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]

**STEP 4**

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

![Slanted Edge Indicates Rear]
**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 roof studs.
**STEP 7**

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

![Image](https://via.placeholder.com/150)

*SLANTED EDGE INDICATES REAR*

**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](https://via.placeholder.com/150)
STEP 9
HAND TIGHTEN M6 LOCK NUT WITH M6 FENDER WASHER TO ALL ROOF STUDS.

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.

**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
**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**

**INCORRECT D-RUBBER 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.

**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.
THIN RUBBER PAD
MOUNTING CLAMP
THICK RUBBER PAD

INSTALL HARDWARE

THIRD BRAKE LIGHT HARDWARE

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.
- 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.

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**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.

PLACE EXTRA PAD IN EACH REAR CORNER OF THE CAP.

1. **PAD PLACEMENT INDICATORS**
2. **THICK RUBBER PAD**
3. **D - RUBBER**
4. **REAR FLANGE**
5. **THICK RUBBER PAD**
STEP 25
Disconnect the extension harness from the smartcap.

STEP 26
Remove the bolts holding the driver side taillight assembly.

STEP 27
Place the taillight assembly carefully on the tailgate. Do not unplug any connectors.
STEP 28
CAREFULLY PULL UP ON THE TOP EDGE PANEL OF THE TRUCK BED TO LOCATE THE HOLE IN THE SHEET METAL.

STEP 29
ROUTE THE EXTENSION HARNESS THROUGH THE HOLE AND BACK TOWARDS THE TAILLIGHT OPENING.

STEP 30
DISCONNECT THE MIDDLE BRAKE LIGHT PLUG AT THE BACK OF THE TAILLIGHT ASSEMBLY.
**STEP 31**
CONNECT THE BRAKE LIGHT PLUG INTO THE FEMALE PLUG FROM THE T-HARNESS.
CONNECT THE MALE PLUG FROM THE T-HARNESS INTO THE FEMALE BRAKE LIGHT SOCKET.

**STEP 32**
CONNECT THE T-HARNESS TO THE EXTENSION HARNESS.
**STEP 33**

Bundle extra T-harness length in the taillight cavity and secure with cable ties.

Reinstall the taillight assembly.

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**STEP 34**

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 35**

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 36**

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.*
**STEP 37**

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

3 PADS PER SIDE

**STEP 38**

Disassemble mounting clamps.

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

3 CLAMPS PER SIDE

**STEP 39**

Reassemble upper and lower clamp arms.

Hand tighten all mounting clamps on top of thin rubber pads.
**TEST YOUR BRAKE LIGHTS & TURN SIGNALS**

- **STEP 40**
  - Tighten mounting clamps using torque wrench and 13mm socket to 4.4 ft. lbs. (6 Newton Meters)
  - Gap required = 13mm (1/2 inch)

- **STEP 41**
  - Connect the extension harness to the SmartCap’s third brake light harness.

- **STEP 42**
  - 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 QUESTIONS.

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

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