• 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.
**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**

- **Front Flange**
- **Left Panel**
- **Right Panel**
- **Roof Panel**
- **Rear Flange**

**TOOLS REQUIRED**

- 8mm Socket
- 13mm Socket
- 10mm Socket
- 13mm Socket
- Wrench
- Torque Wrench
- Utility Knife
- Scissors
- Plastic Pry Tool
- Super Glue
IMPORTANT

- DETERMINE WHICH VERSION YOUR FITMENT KIT CONTAINS. (VERSION A OR VERSION B)

- (PRE-FASTENED TO FLANGES) -

VERSION A

- M6 BOLT 28X
- FASTENER BLOCK 28X
- FASTENER BLOCK CLAMP 28X
- M6 LOCK WASHER 28X

VERSION B

- M6 BOLT 28X
- FASTENER BLOCK 28X
- FASTENER BLOCK CLAMP 28X
- M6 LOCK WASHER 28X
- FASTENER BLOCK LOADSPREADER 28X

- D-RUBBER 1X

VERSION A

VERSION B

- SPARE HARDWARE 1X

VERSION A

VERSION B

- (PRE-FASTENED TO ROOF PANEL)

VERSION A

- M6 LOCK NUT 10X SHORT BED
- STANDARD BED

VERSION B

- M6 FENDER WASHER 10X SHORT BED
- 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 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 and use the lid as a 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.

THE 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 BOLTS.
**STEP 7**

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

**THE 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.

**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 STYRAFOAM UNDERNEATH THE ROOF PANEL TO PROVIDE SUPPORT FOR THE FRONT FLANGE.

STEP 11
LOCATE THE FRONT FLANGE IN THE SMARTCAP PACKAGE AND BRING IT TO YOUR WORK AREA.

STEP 12
USE A 10MM COMBINATION WRENCH TO REMOVE ALL HARDWARE FROM THE FRONT FLANGE AND SAVE FOR REUSE

REFER TO PG. 3 TO DETERMINE IF YOU HAVE VERSION A OR B
**STEP 13**

PLACE FRONT FLANGE AS SHOWN.

**STEP 14**

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.

**VERSION A**

- BE SURE PANELS ARE FLUSH

**VERSION B**

- BE SURE PANELS ARE FLUSH

REFER TO PG. 3 TO DETERMINE IF YOU HAVE VERSION A OR B

FOLLOW THE TIGHTENING SEQUENCE 1-14

I-SHEET-NA-S2
**STEP 15**

Push the SmartCap to expose a few inches of Styrofoam underneath the roof panel to provide support for the rear flange.

**STEP 16**

Locate the rear flange in the SmartCap package and bring it to your work area.

**STEP 17**

Use a 10mm combination wrench to remove all hardware from the front flange and save for reuse.

Refer to pg. 3 to determine if you have version A or B.
STEP 18
PLACE REAR FLANGE AS SHOWN.

FOLLOW THE TIGHTENING SEQUENCE 1-14

STEP 19
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.

REFER TO PG. 3 TO DETERMINE IF YOU HAVE VERSION A OR B

VERSION A
VERSION B
STEP 20
TIGHTEN ALL HARDWARE WITH TORQUE WRENCH AND 10MM SOCKET TO 3.7 FT. LBS. (5 NEWTON METERS)

[3.7 ft. lbs]/[5 Nm]
**STEP 21**

**VERSION A**

Refer to pg. 3 to determine if you have version A or B.

**A** Locate the D-Rubber retention tab next to the rear door gasket. Bend the tab upwards at a 45 degree angle.

**B** Peel away a small portion of the adhesive backing from the D-Rubber.

**C** Insert the tab into the D-Rubber until the D-Rubber lightly butts up against the rear door gasket.

**D** Firmly push the tab back down to secure the D-Rubber in place.

**VERSION B**

Apply D-Rubber to the bottom of SmartCap with end lightly butted against the rear door gasket.

**A** Position the D-Rubber along the outside edge of the SmartCap.

**B** Peel adhesive backing in small lengths as you work around the SmartCap.

**C** Stay within 1/8 inch from the SmartCap’s outer edges.
REFER TO PG. 3 TO DETERMINE IF YOU HAVE VERSION A OR B

**VERSION A**

PEEL AWAY ADHESIVE BACKING IN SHORT LENGTHS AS YOU WORK AROUND THE EDGES.

STAY WITHIN 1/8 INCH FROM THE SMARTCAP'S OUTER EDGES.

REMOVE EXCESS WITH A STRAIGHT CUT.

**VERSION B**

REMOVE EXCESS WITH A STRAIGHT CUT.

REINFORCE THE ENDS OF THE D-RUBBER WITH SUPERGLUE.
INSTALLATION HARDWARE

THIN RUBBER PAD

MOUNTING CLAMP

THICK RUBBER PAD

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.
**STEP 23**

REMOVE THE ADHESIVE BACKING FROM THE THICK RUBBER PAD.

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

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**STEP 24**

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

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5mm FOAM SEAL TAPE

PEEL AWAY ADHESIVE BACKING

BE SURE TO FULLY SEAL AT BOTH ENDS

CUT TO LENGTH NEEDED

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**STEP 25**

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 26**

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 27**

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.
**STEP 28**

**IN ORDER TO ENSURE CORRECT COMPRESSION OF THE D-RUBBER, YOU MUST TRIM TWO 1" INCH STRIPS FROM TWO DIFFERENT THIN RUBBER PADS.**

WHILE LIFTING UP ON THE CAP, PLACE 1 STRIP IN EACH REAR CORNER OF THE CAP, IN BETWEEN THE THICK RUBBER PAD AND THE TRUCK BED RAILING.

**REPEAT FOR EACH SIDE**

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**STEP 29**

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 THE D-RUBBER LIP WHEN THE TAILGATE IS IN THE CLOSED POSITION.
**STEP 30**

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

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**STEP 31**

ONCE ALL PADS ARE IN PLACE, INSTALL MOUNTING CLAMPS ON TOP OF THIN RUBBER PADS USING TORQUE WRENCH AND 13MM SOCKET TIGHTEN CLAMPS TO 4.4 FT. LBS. (6 NEWTON METERS)

3 CLAMPS PER SIDE

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GAP REQUIRED = 13mm (1/2 INCH)
THIRD BRAKE LIGHT INSTALLATION

T-HARNESS

CONNECTOR HARNESS

CABLE TIE

CABLE TIE BASE

1X

1X

8X

2X

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 32**
Begin at the driver side. Look under the dashboard at the foot well and locate the grey connector.

Pull the male dummy connector out from the female connector.

**STEP 33**
Plug the male connector from the t-harness into the vehicle connector.

**STEP 34**
Plug the male dummy connector from the vehicle connector into the t-harness. Secure with a cable tie as shown.

- Plug the male dummy clip from the vehicle into the t-harness
- Secure with a cable tie as shown
**STEP 35**

Using a plastic pry tool, carefully pry off the door sill trim plate on the driver side.

**STEP 36**

Under the driver side dash, locate the 3-pin plug of the T-harness.

Plug the connector harness into the 3-pin plug of the T-harness.

**STEP 37**

Tuck the harnesses under the edge of the outer foot well kick panel and route down towards the door sill.
**STEP 38**
Underneath the carpet liner, there will be a rubber grommet in the metal floor. Locate this grommet from underneath the vehicle. If needed, drill or cut a small opening through the rubber grommet.

**STEP 39**
Route the 2-pin plug at the end of connector harness underneath the carpet liner and through the opening in the grommet.
**STEP 40**

Carefully pull the entire length of the connector harness down through the grommet.

It is recommended that a sealing compound be applied to the opening for weather and dirt protection.

**STEP 41**

From underneath the vehicle, begin routing the connector harness over the top of the driver side frame rail.

Secure the harness along the outside of the frame with cable ties as shown.

**STEP 42**

Continue routing the connector harness towards the rear of the vehicle, securing to the vehicle with cable ties when necessary.
**STEP 43**
**ROUTE THE CONNECTOR HARNESS UP AND OVER THE REAR WHEEL WELL.**

**STEP 44**
**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.

**STEP 47**
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.

**STEP 50**
Apply an adhesive cable tie base to the truck bed as shown. Secure the connector harness with a cable tie.
**STEP 51**
REINSTALL THE TAILLIGHT ASSEMBLY.

BUNDLE EXTRA HARNESS LENGTH IN THE TAIL LIGHT CAVITY AND SECURE WITH A CABLE TIE.

**STEP 52**

! **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.

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

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