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.

**COMPONENTS**

![Diagram of components]

- Front Flange
- Rear Flange
- Left Panel
- Right Panel
- Roof Panel
## ASSEMBLY HARDWARE

### FITMENT KIT

- **M6 Bolt**: 30x
- **M6 Lock Washer**: 30x
- **D - 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

---

I-SHEET-NA-F2
**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]

AIR VENT INDICATES REAR

![Front edge]

10mm

AIR VENT

FRONT EDGE

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]

SLANTED EDGE INDICATES REAR

RIGHT PANEL

SMARTCAP

I-SHEET-NA-F2
**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.

⚠️ 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**

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**

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.

**CORRECT D-RUBBER ORIENTATION**

- Locate the D-Rubber retention tab next to the rear door gasket.
- Bend the tab upwards at a 45 degree angle.
- Peel away a small portion of the adhesive backing from the D-Rubber.
- Insert the tab into the D-Rubber until the D-Rubber lightly butts up against the rear door gasket.
- Firmly push the tab back down to secure the D-Rubber in place.

**INCORRECT D-RUBBER ORIENTATION**

- Locate the D-Rubber retention tab next to the rear door gasket.
- Bend the tab upwards at a 45 degree angle.
- Peel away a small portion of the adhesive backing from the D-Rubber.
- Insert the tab into the D-Rubber until the D-Rubber lightly butts up against the rear door gasket.
- Firmly push the tab back down to secure the D-Rubber in place.

**STEP 20**

Peel away adhesive backing in short lengths as you work around the edges.

Stay within 1/8" from the outer edges.

Remove excess with a straight cut.

Reinforce ends with super glue.

- Locate the retention tab.
- Peel away a small portion of the adhesive backing from the D-Rubber.
- Trim D-Rubber with clean cut.
- Reinforce ends with super glue.

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

Correct D-Rubber orientation.

Incorrect D-Rubber orientation.

- Reinforce the first and last 2" of each end with super glue.
**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 21**

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 on rear flange, parallel to the D-rubber above seam.
- D-rubber
- Perpendicular to D-rubber
- Weld mark
- Place pad next to weld mark
- Weld mark
- Place pad next to weld mark
- Weld mark

**STEP 22**

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

- 5mm foam seal tape
- Peel away adhesive backing
- Be sure to fully seal at both ends
- Cut to length needed
- Foam seal tape

PG. 15
**STEP 23**

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 24**

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 25**

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 26**

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

---

**STEP 27**

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 28**

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 29**

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**

---

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

T-HARNESS

CONNECTOR HARNESS

CABLE TIE

CABLE TIE BASE

1X

8X

2X

1X

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 30**
BEGIN AT THE DRIVER SIDE. LOOK UNDER THE DASHBOARD AT THE FOOTWELL AND LOCATE THE GREY CONNECTOR.

PULL THE CONNECTOR OUT FROM THE SOCKET.

**STEP 31**
PLUG THE FEMALE CONNECTOR FROM THE T-HARNESS INTO THE VEHICLE CONNECTOR.

**STEP 32**
PLUG THE MALE CONNECTOR FROM THE T-HARNESS INTO THE VEHICLE SOCKET UNDER THE DASH.
SECURE WITH A CABLE TIE AS SHOWN.
**STEP 33**

At the driver side center console, remove the fastener at the front of the side trim panel.

Using a plastic pry tool, carefully pry back and remove the center console trim panel.

**STEP 34**

Repeat step 31 on the passenger side of the center console.

**STEP 35**

Begin routing the fuse connector of the t-harness towards the center console and tuck under the top edge of the carpet liner.
**STEP 36**

ROUTE THE FUSE CONNECTOR THROUGH THE CENTER CONSOLE TO THE PASSENGER SIDE.

A FISH WIRE OR COAT HANGER MAY BE REQUIRED TO HELP PASS THE HARNESS THROUGH.

**STEP 37**

PULL THE REMAINING LENGTH OF THE FUSE CONNECTOR THROUGH THE CENTER CONSOLE TO THE PASSENGER SIDE.

**STEP 38**

LOCATE THE FUSE COVER PANEL AT THE FRONT OF THE PASSENGER SIDE FOOTWELL AND PRY IT OFF.
**STEP 39**
Locate the 5 AMP fuse (below the 15 AMP fuse) as indicated and carefully remove it from the fuse panel.

**STEP 40**
Plug the 5 AMP fuse into the fuse connector as shown.

**STEP 41**
Plug the fuse connector into the 5 AMP socket on the fuse panel.

Warning: Plugging the fuse into the incorrect slot will result in third brake light failure.
**STEP 42**
REINSTALL THE FUSE COVER PANEL.

**STEP 43**
TUCK THE REMAINING LENGTH OF THE FUSE CONNECTOR UNDER THE TOP EDGE OF THE PASSENGER SIDE FOOTWELL CARPET LINER.

**STEP 44**
REVERSE STEPS 31 AND 32 TO REINSTALL THE SIDE TRIM PANELS ON THE CENTER CONSOLE.

**STEP 45**
USING A PLASTIC PRY TOOL, CAREFULLY PRY OFF THE DOOR SILL TRIM PLATE ON THE DRIVER SIDE.
STEP 46
UNDER THE DRIVER SIDE DASH, LOCATE THE 3-PIN PLUG OF THE T-HARNESS.

STEP 47
PLUG THE CONNECTOR HARNESS INTO THE 3-PIN PLUG OF THE T-HARNESS.

STEP 48
TUCK THE HARNESSES UNDER THE EDGE OF THE OUTER FOOTWELL KICK PANEL AND ROUTE DOWN TOWARDS THE DOOR SILL.
**STEP 49**
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 50**
ROUTE THE 2-PIN PLUG AT THE END OF CONNECTOR HARNESS UNDERNEATH THE CARPET LINER AND THROUGH THE OPENING IN THE GROMMET.

CONNECTOR HARNESS

I-SHEET-NA-F2
**STEP 51**

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 52**

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 53**

CONTINUE ROUTING THE CONNECTOR HARNESS TOWARDS THE REAR OF THE VEHICLE, SECURING TO THE VEHICLE WITH CABLE TIES AT APPROX. 6 INCH INTERVALS WHENEVER POSSIBLE.
**STEP 54**
ROUTE THE CONNECTOR HARNESS UP AND OVER THE REAR WHEEL WELL.

**STEP 55**
ROUTE THE CONNECTOR HARNESS DOWN OVER THE BACK OF THE REAR WHEEL WELL AND SECURE WITH CABLE TIE AS SHOWN.

**STEP 56**
REMOVE THE BOLTS HOLDING THE DRIVER SIDE TAILLIGHT ASSEMBLY
PLACE THE TAILLIGHT CAREFULLY ON THE TAILGATE. DO NOT UNPLUG ANY CONNECTORS
**STEP 57**
ROUTE THE CONNECTOR HARNESS UP TOWARDS THE TAILLIGHT CAVITY.

**STEP 58**
CAREFULLY PULL THE CONNECTOR HARNESS OUT THROUGHT THE TAILLIGHT CAVITY.
ROUTE THE CONNECTOR HARNESS UP AND OUT THROUGH THE HOLE IN THE SIDE OF THE BED.
**STEP 59**
Locate and disconnect the third brake light extension harness from the inside back left corner of the SmartCap.

**STEP 60**
Connect the 2-pin plug from the connector harness to the third brake light harness.

**STEP 61**
Apply an adhesive cable tie base to the truck bed as shown. Secure the connector harness with a cable tie.
STEP 62
REINSTALL THE TAILLIGHT ASSEMBLY.

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

STEP 63

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