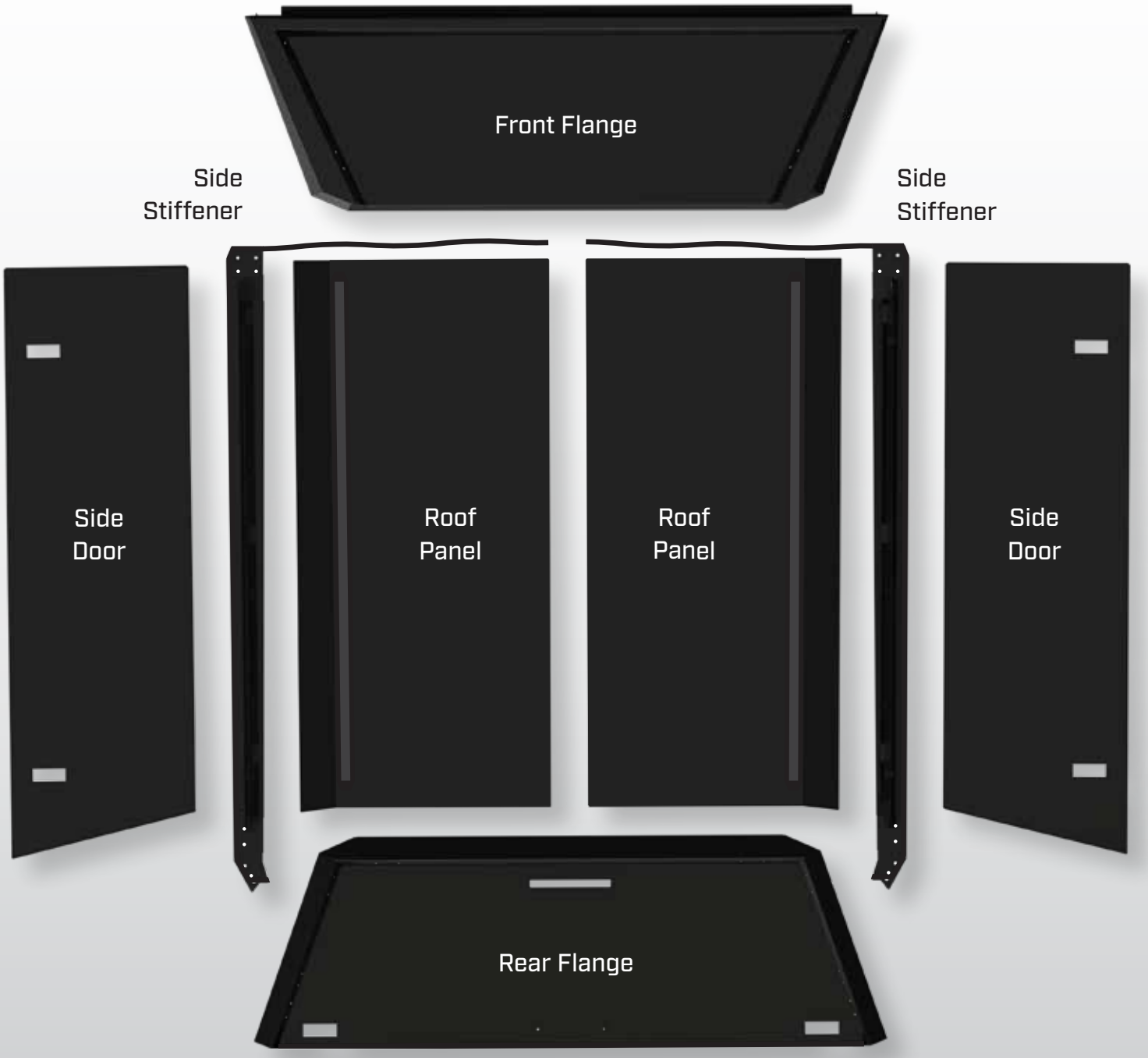
SMARTCAP

NISSAN FRONTIER
EDGE DEFENDER

Assembly Guide

Contact us at **SUPPORT.NA@SMARTCAP.COM**

COMPONENTS



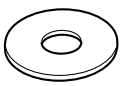
Inspect each of the components, if any manufacturing imperfections or shipping damages are found, stop the assembly and contact us at **support.na@smartcap.com**

Edge caps now include improved Roof Panel Channels with Rivnuts to facilitate seamless Gullwing bin installation. In early production runs Roof MOLLE Panels were included, however your cap will likely **not include** them as a feature.

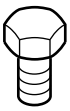
TOOLS REQUIRED

- ☐ 10mm & 13mm socket wrench
- ☐ 10mm & 13mm combination wrench
- ☐ 10mm & 13mm torque wrench
- ☐ 5mm allen wrench
- ☐ Super glue
- ☐ Utility knife
- ☐ Scissors
- ☐ All-purpose cleaner
- ☐ Microfiber rags
- ☐ Furniture pad or other soft surface

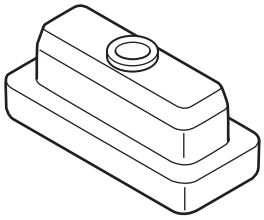
ASSEMBLY HARDWARE



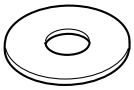
M6 FLAT WASHERS
30 x



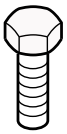
M6 BOLT
30 x



FASTENER BLOCKS
30 x

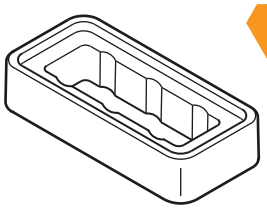


M8 FENDER WASHERS
48 x



M8 BOLT
4 x

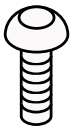
FASTENER BLOCK CLAMPS
30 x



SPRING WASHERS
30 x

M8 NYLOCK NUTS
24 x

RUBBER GASKET
1x



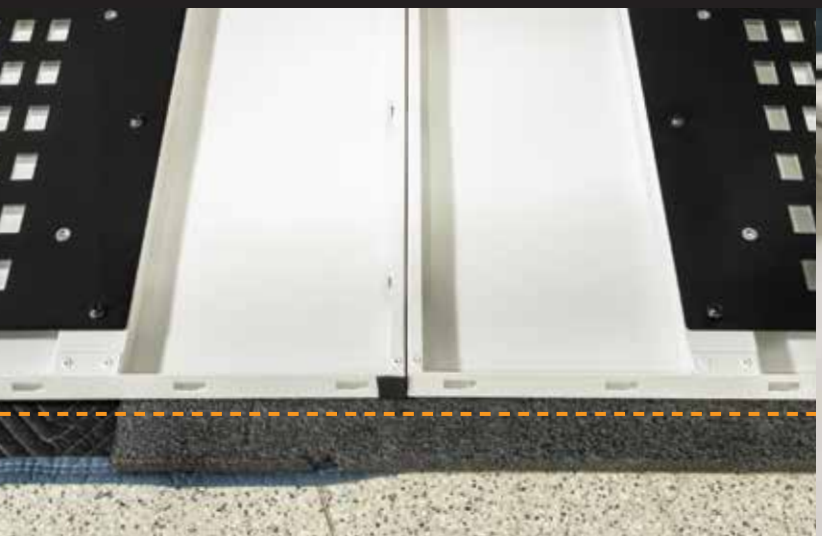
M8 DOME BOLT
20 x

M6 NYLOCK NUTS
12 x

Use only the tools required and the hardware provided in the fitment kit.
Never use acetone or thinners on painted parts.

JOIN THE

ROOF PANELS



STEP 1 Level both roof panels and align the cutouts

STEP 2 Install fastener blocks into each of the cutouts along the center

STEP 3 Torque fastener blocks to 5 Nm or FIRMLY TIGHTEN ensuring the fastener block does not bow

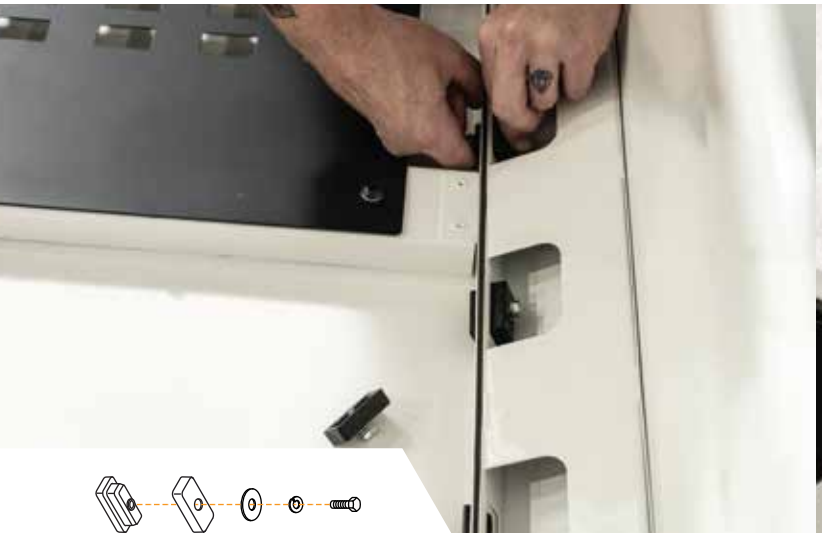
Ensure that the roof panels are flush and square

ATTACH THE

FRONT FLANGE

STEP 4 Align the front flange brackets

STEP 5 HAND TIGHTEN 2x black M8 **dome bolt** stacks into the top two mounting holes on each bracket



STEP 6 Install fastener blocks into each of the cutouts along the front flange at 5 Nm or FIRMLY TIGHTEN

STEP 7 HAND TIGHTEN 1x stainless M8 **hex bolt** stack into the bottom mounting hole on each bracket

ATTACH THE

REAR FLANGE

STEP 8 Align the rear flange brackets

STEP 9 HAND TIGHTEN 2x black M8 **dome bolt** stacks into the top two mounting holes on each bracket

STEP 10 Install fastener blocks into each of the cutouts along the rear flange at 5 Nm or FIRMLY TIGHTEN

STEP 11 HAND TIGHTEN 1x stainless M8 **hex bolt** stack into the bottom mounting hole on each bracket

ATTACH THE

SIDE STIFFENERS

STEP 12 Place side stiffener left and right on top, from front flange corner to rear flange corner

STEP 13 HAND TIGHTEN 2x black M8 **dome bolt** stacks into the two mounting holes on each end

STEP 14 HAND TIGHTEN 1x black M8 **dome bolt** stack into the side bracket mounting hole on each end

FIRMLY TIGHTEN all M8 hardware on

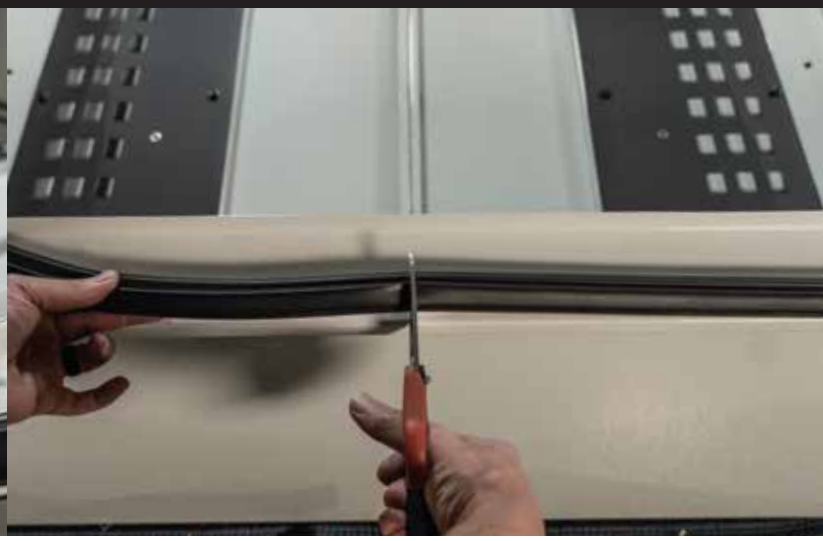
STEP 5
STEP 7
STEP 9
STEP 11
STEP 13
STEP 14

Ensure the stiffeners are seated flat

APPLY THE FRONT FLANGE

GASKET

STEP 16 Peel and stick one end of the loose gasket following the edge of the front flange



STEP 17 Cut at the center of the front flange

STEP 18 Peel and stick the other end of the loose gasket and cut to fit (do not stick the end yet)

STEP 19 Super glue the gasket end and butt-join together

Ensure a continuous seal with no gaps or twists

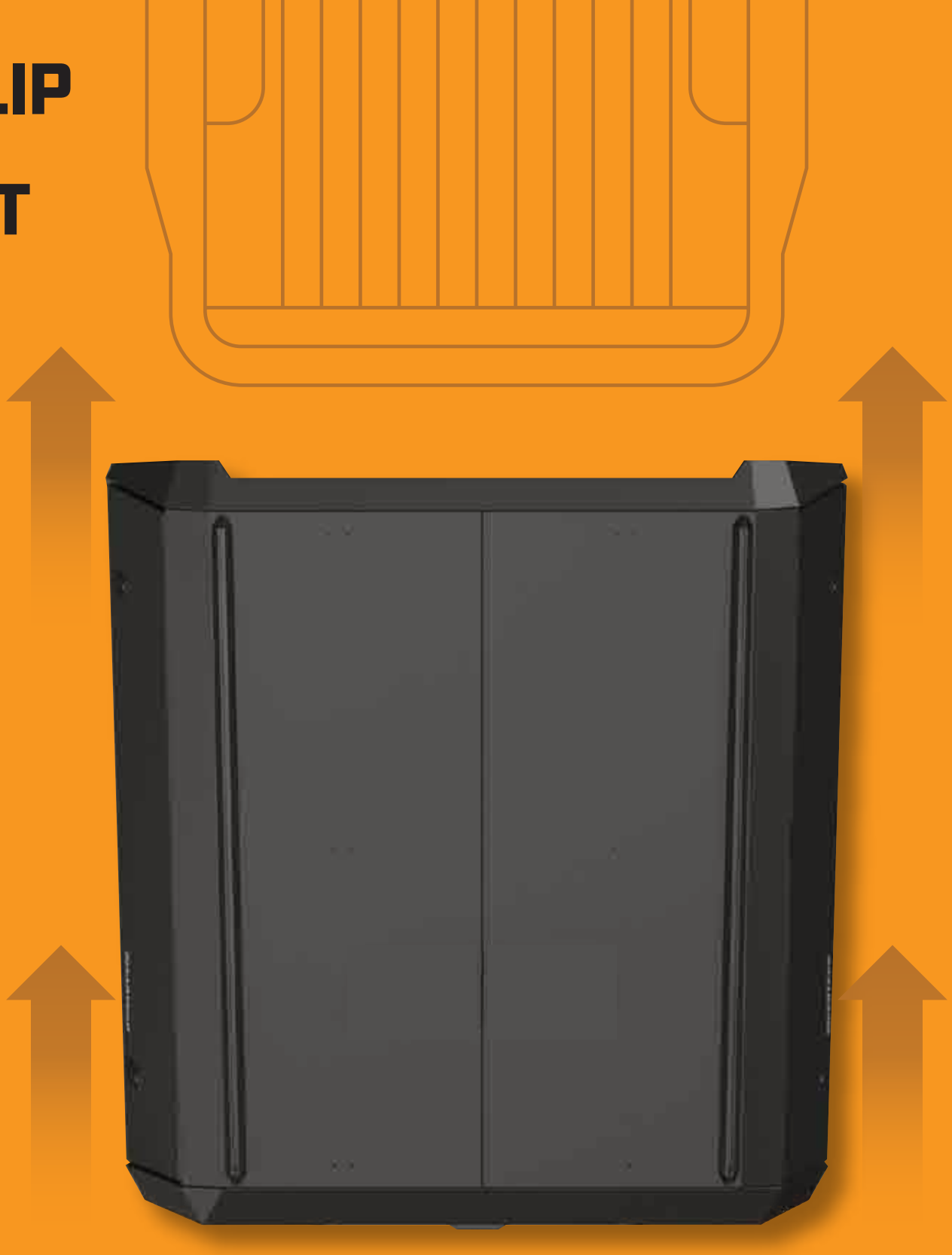
APPLY THE

SEAL TAPE

STEP 20 Peel and stick the seal tape across the front panel

Ensure a continuous seal with no gaps or twists

FLIP & FIT

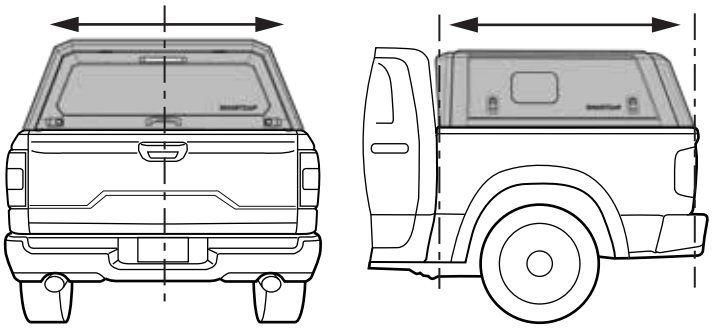


Refrain from dragging the gasket on the bed rail.

POSITION THE

CAP ON THE TRUCK

STEP 21 Gently flip the cap over, and position it on the truck without dragging the rubber gasket over the bedrail



We recommend at least four buddies lift the cap

APPLY THE SIDE DOOR

GASKET

STEP 22 Apply butyl to joints at all 4 corners on each door

STEP 23 Starting from the bottom, press the gasket into place around the door aperture edge

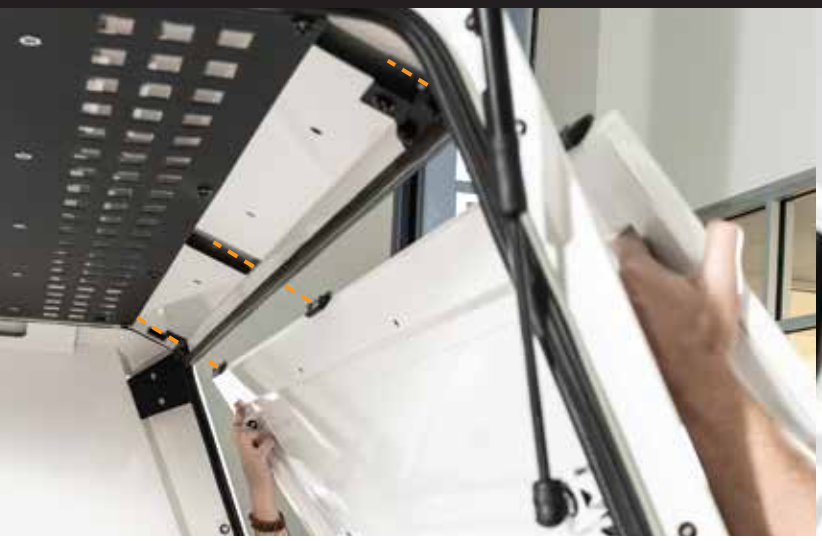
STEP 24 Gently tap the gasket into each corner with a rubber mallet to secure it in place.

STEP 25 Cut the gasket to fit and join the ends together.

Tuck the butyl into the gasket so it does not show

ATTACH THE

SIDE DOORS



STEP 26 Locate the three pairs of mounting holes on the roof panel

STEP 27 Insert the side door hinge bolts into the mounting holes and hold in place

STEP 28 Reach in and install black M6 nuts onto each of the six door hinge studs

MOUNT THE

LOCKS

STEP 29 Remove the screw and cage from the back of the locks

STEP 30 Thread the locks through the door holes facing outward

STEP 31 Reinstall the cages and tighten the screws

Ensure rear locks to rear door and side locks to side doors

MOUNT THE

GAS STRUTS

STEP 32 Ensure that the ball connectors are positioned 180 degrees from one another

STEP 33 Install the gas struts by pushing the connectors on to the ball studs

Test the doors open and close smoothly and locks function properly

INSTALL THE

C-CLAMPS

STEP 34 Place supplied thin rubber pads on the three side stiffener cutouts

STEP 35 Place the upper c-clamp arm on the thin rubber pads

STEP 36 Install the c-clamp by FIRMLY TIGHTENING the bolt through the lower c-clamp

Place the two smaller c-clamps closest to the tailgate

CONNECT THE SILVERADO 19+

THIRD BRAKE LIGHT

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 Under the driver's side dash, locate an open connector that fits the supplied longer body harness and plug it in

STEP 37 Remove the plastics from the door jam and lift up the carpet

STEP 38 Underneath the truck, you'll see a hole with a rubber membrane on the other side. Using a screwdriver, puncture the membrane with a hole large enough to thread the longer body harness through it

STEP 39 Neatly tuck the cable under the carpet and behind the plastics and reinstall the Kick and Door-Sill plates

Underneath the truck, route the connector harness towards the rear of the truck, along the frame of the chassis. Secure the cable with cable ties wherever possible

STEP 40 When you reach the other end, remove the drivers side taillight assembly and feed the harness through the hole on the bottom

STEP 41 Then, feed it through the top opening that leads into the bed of the truck

STEP 42 Finally, plug the harness into the third brake light extension cable attached to the interior rear left side of the cap and test the brake light

STEP 43 If all is in working order, reinstall the taillight assembly