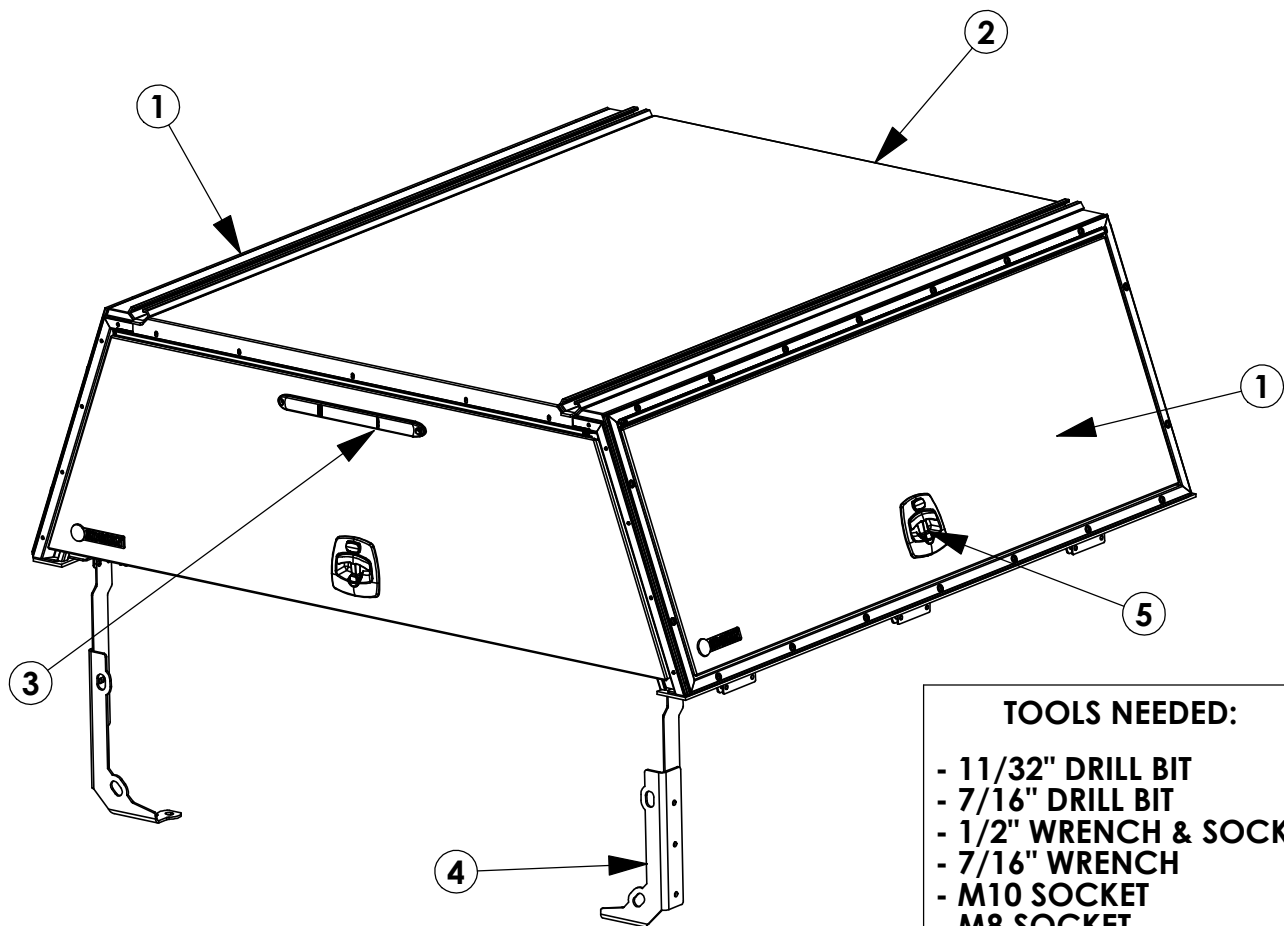


INSTR. : 82015		PG: 1	REV: A
PART : TFKTUN166HM23W			
PART • TOP, 66" TUNDRA 5.5', HM23W			
DESC. • TOP, 66" TUNDRA 5.5', HM23W			

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSKTUN66M23W	TOP, SIDE KIT,TUNDRA 66",M,23,W	2
2	TRK6623W	TOP, ROOF KIT,66",23,W	1
3	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
4	THKTUN166M23	HDW KIT, TFKTUN166HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1



TOOLS NEEDED:

- 11/32" DRILL BIT
- 7/16" DRILL BIT
- 1/2" WRENCH & SOCKET
- 7/16" WRENCH
- M10 SOCKET
- M8 SOCKET
- M4 ALLEN
- M5 ALLEN
- M13 WRENCH
- 3/16" ALLEN
- 5/32" ALLEN
- DRIVE RATCHET / IMPACT
- SCISSORS
- TAPE MEASURE
- ALIGNMENT PUNCH
- 1/4" RIVET TIP
- DRILL

GET TO KNOW THE VEHICLE - AT THE BEGINNING OF ANY INSTALLATION, CHECK THE LOCATION OF THE FUEL TANK, FUEL LINES, BRAKE LINES, HIGH VOLTAGE BATTERIES AND WIRING HARNESSSES TO AVOID INJURY OR PROPERTY DAMAGE FROM TOOL CONTACT.

SEAL ALL EXTERIOR HOLES - ALL INSTALLATION HOLES SHOULD BE SEALED WITH BUTYL TAPE OR SILICON TO PREVENT WATER AND EXHAUST GASES FROM ENTERING THE VEHICLE.

CONTROL DRILL DEPTH - TO AVOID DAMAGE TO THE VEHICLE, USE A DRILL STOP OR CLEARED STEP BIT WHEN DRILLING INSTALLATION HOLES.

ALWAYS ADD PRIMER - WHEN ADDING INSTALLATION HOLES BE SURE TO USE A SELF-ETCHING PRIMER TO PREVENT CORROSION, FASTENER FAILURE AND INJURY.

MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

PROVIDE CLEARANCE FOR SPACERS - IF THE INSTALLATION VEHICLE CONTAINS A CARPET OR SUBFLOOR, USE A 1-3/16" DIAMETER CARPET CUTTER (P/N: 31183-0) AT ALL MOUNTING LOCATIONS TO OPEN UP ROOM FOR SPACERS.

CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

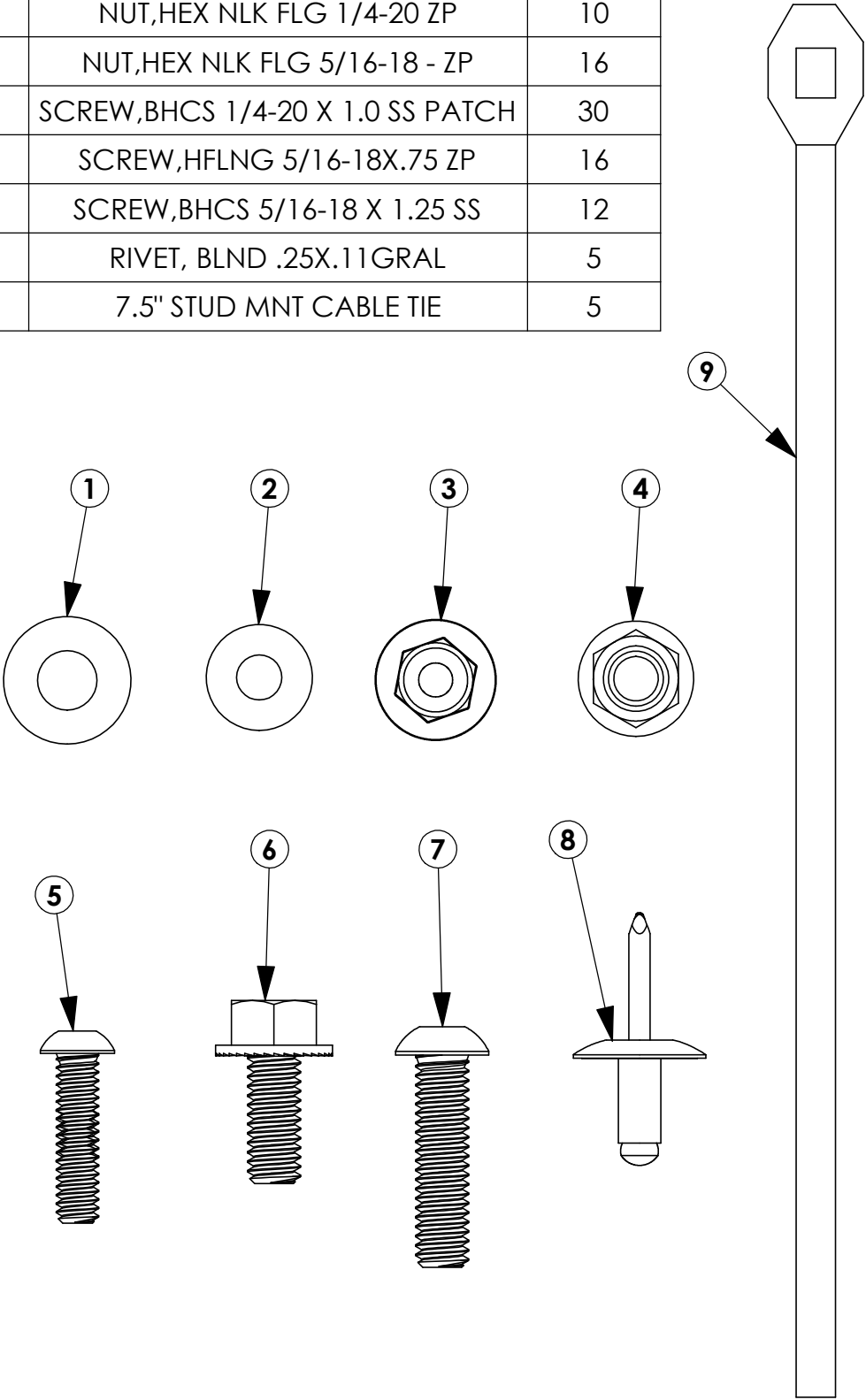
PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

INTENTIONALLY LEFT BLANK

FASTENERS USED
BAG REFERENCE: BAG74051

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FAS0552	Washer, Flat, 5/16, SST	12
2	FAS0234	Washer, Flat, 1/4, SST	30
3	FAS0055	NUT,HEX NLK FLG 1/4-20 ZP	10
4	FAS0440	NUT,HEX NLK FLG 5/16-18 - ZP	16
5	FAS0920	SCREW,BHCS 1/4-20 X 1.0 SS PATCH	30
6	FAS0438	SCREW,HFLNG 5/16-18X.75 ZP	16
7	FAS0919	SCREW,BHCS 5/16-18 X 1.25 SS	12
8	FAS1014	RIVET, BLND .25X.11 GRAL	5
9	78320	7.5" STUD MNT CABLE TIE	5



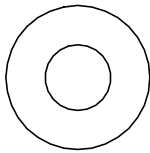
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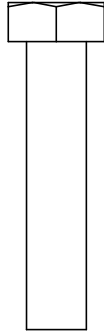
6

FASTENERS USED

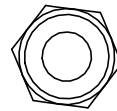
BAG REFERENCE: ALL



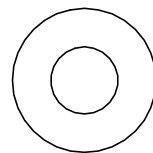
FAS0164
5/16 ALUM
FLAT WASHER
QTY BAG71794: 0
QTY BAG71801: 8



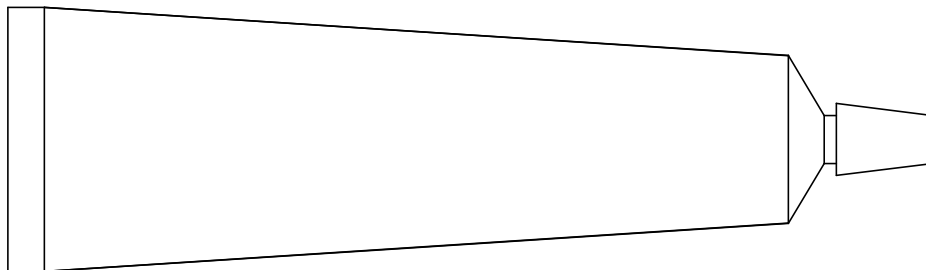
FAS0242
5/16-18 X 1.5 SST
HH SCREW
QTY BAG71794: 8
QTY BAG71801: 8



FAS0248
5/16-18 SST
HH NLK NUT
QTY BAG71794: 8
QTY BAG71801: 8



FAS0552
5/16 SST
FLAT WASHER
QTY BAG71794: 16
QTY BAG71801: 8



26618-0
1 OZ TUBE
SILICONE
QTY BAG71794: 2
QTY BAG71801: 2

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PAGE:

8

FASTENERS USED

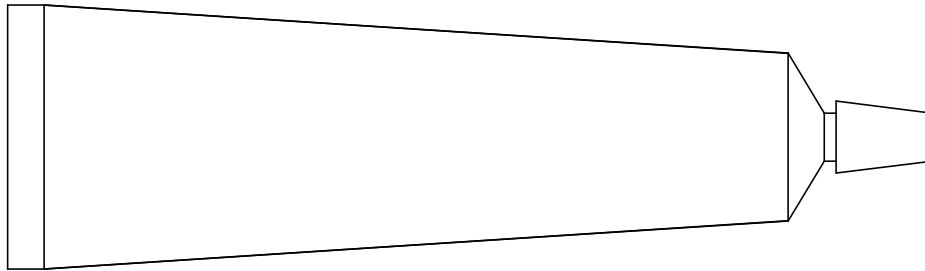
BAG REFERENCE: BAG76637



**FAS0917
M5 X .8 ZP
HFLNG NLK NUT
QTY: 12**



**FAS0918
10-24 ZP
HFLNG NLK NUT
QTY: 6**



**26618-0
1 OZ TUBE
SILICONE**

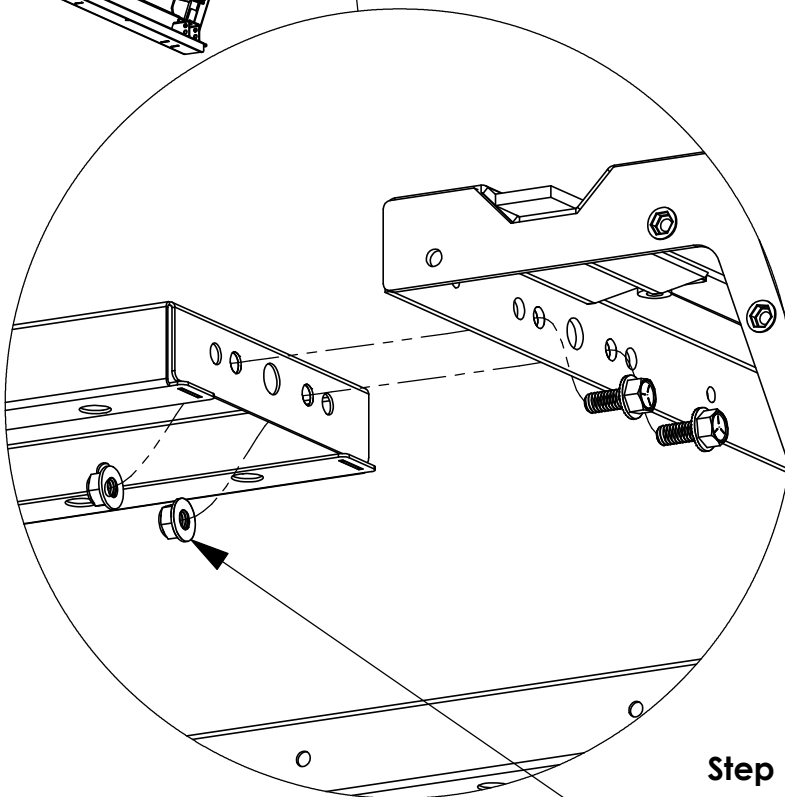
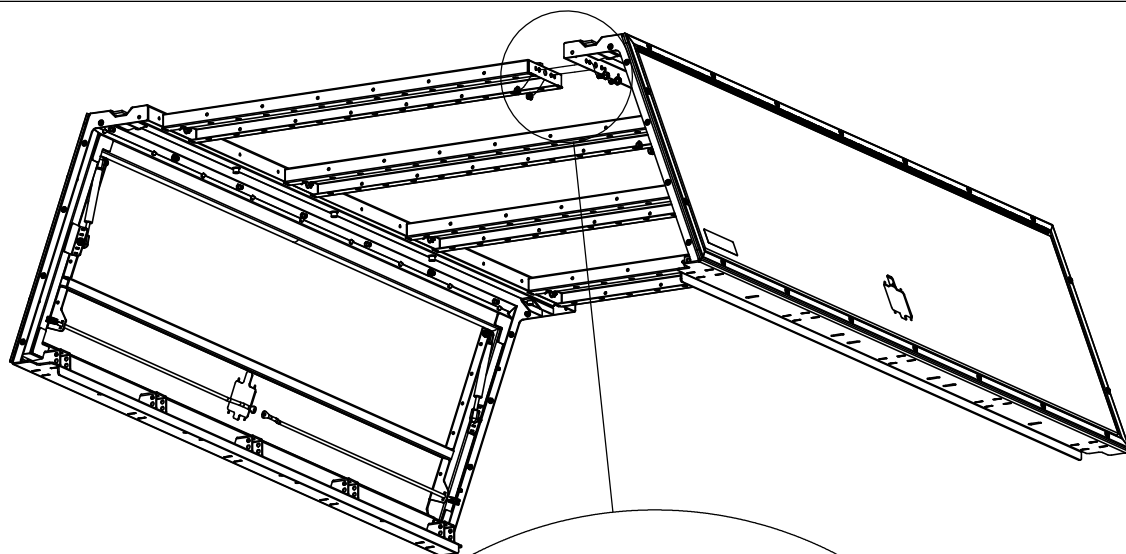
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STEP 1 - ASSEMBLE BODY FRAME: SIDES AND CROSSBOWS

Step 1.1
OPEN [x2]
TOPPER SIDE
KITS
[TSK78M23W]

Step 1.2
OPEN TOPPER
ROOF KIT
[TRK7823W]

Step 1.3
FULLY TIGHTEN
FAS0438 AND
FAS0440
(16 PLACES)
1/2" WRENCH
1/2" SOCKET



Step 1.3

NOTE: Nut
inboard

STEP 2 - ATTACH HARDWARE: SIDE DOOR HANDLES, FRONT & REAR SEALS

Step 2.1
CUT ZIP TIES
THAT ARE
HOLDING
LOCKRODS IN
PLACE.

!! CAUTION !!
DOORS MAY
TRY TO OPEN.

Step 2.2
ATTACH HANDLE
TO DOOR

FULLY TIGHTEN
FAS0917
(4 PER DOOR)
M10 SOCKET

DO NOT
OVERTIGHTEN

Step 2.3
ATTACH
LOCKRODS TO
HANDLE

FULLY TIGHTEN
FAS0918
(2 PLACES)
M8 SOCKET

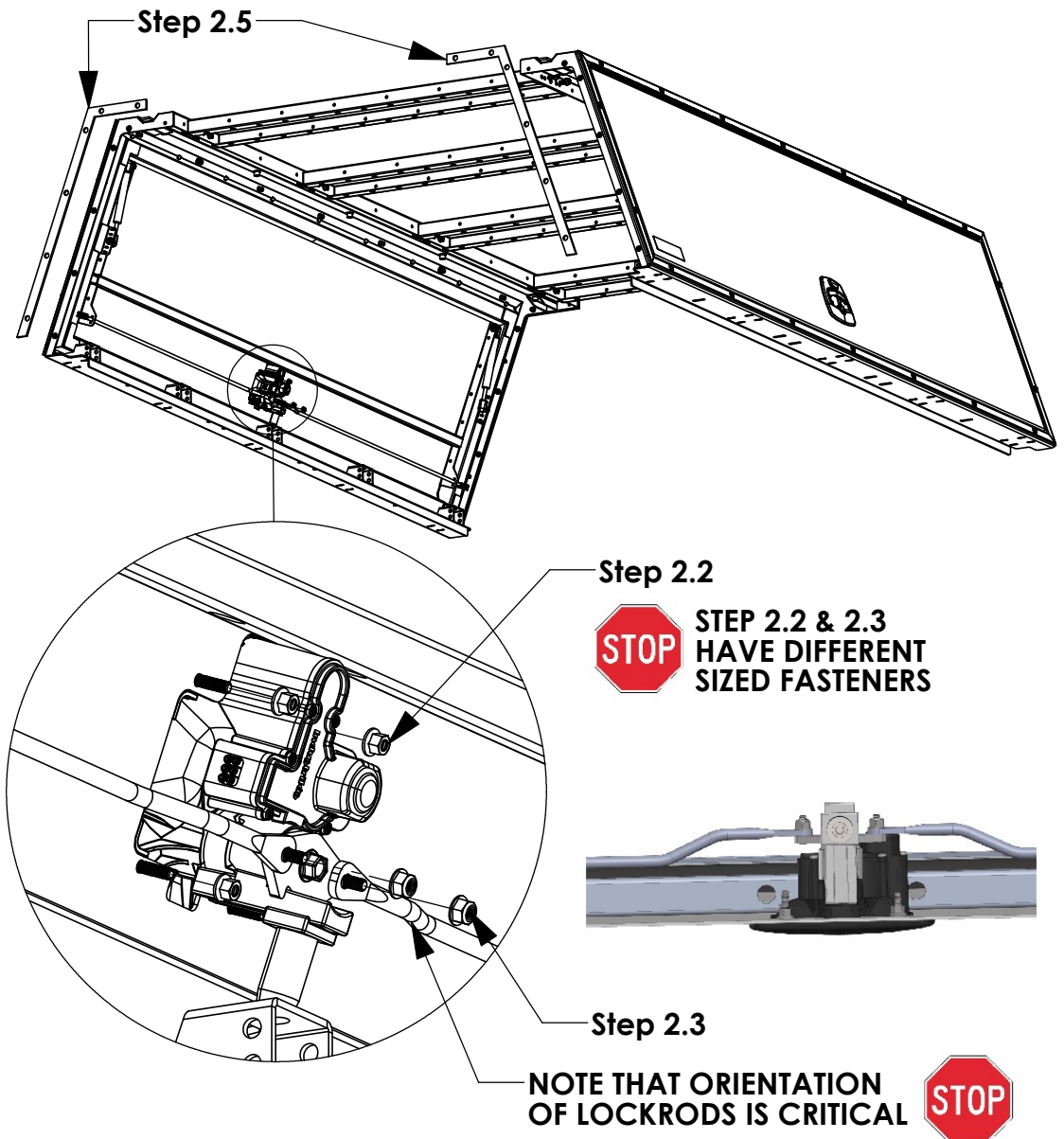
DO NOT
OVERTIGHTEN

Step 2.4
ADJUST HANDLE
POINT TO ALIGN
WITH CASTING
LINE ON HANDLE
BODY
(APPROX: 1.0")

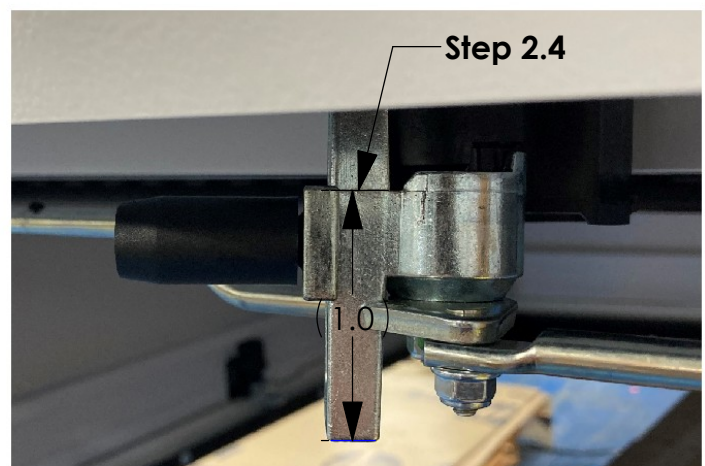
FULLY TIGHTEN
4mm ALLEN
(2 PLACES)

Step 2.5
APPLY FOAM
SEALS TO ALL
CORNERS.

USE HOLES IN
SEAL TO ALIGN
MATERIAL.



Step 2.1



Step 2.4

STEP 3 - ATTACH FRONT PANEL

Step 3.1
OPEN TOPPER
CLOSURE KIT
[TCK78HM23W]

Step 3.2
ATTACH FRONT
PANEL

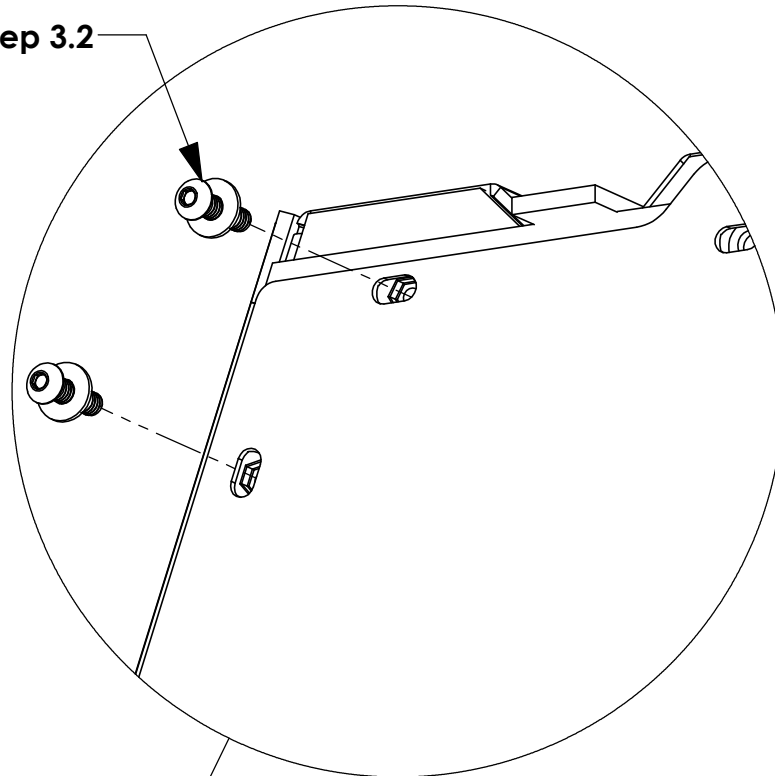
HAND TIGHTEN
FAS0234,
FAS0940
(10 PLACES)

DO NOT
TIGHTEN UNTIL
AFTER STEP 4

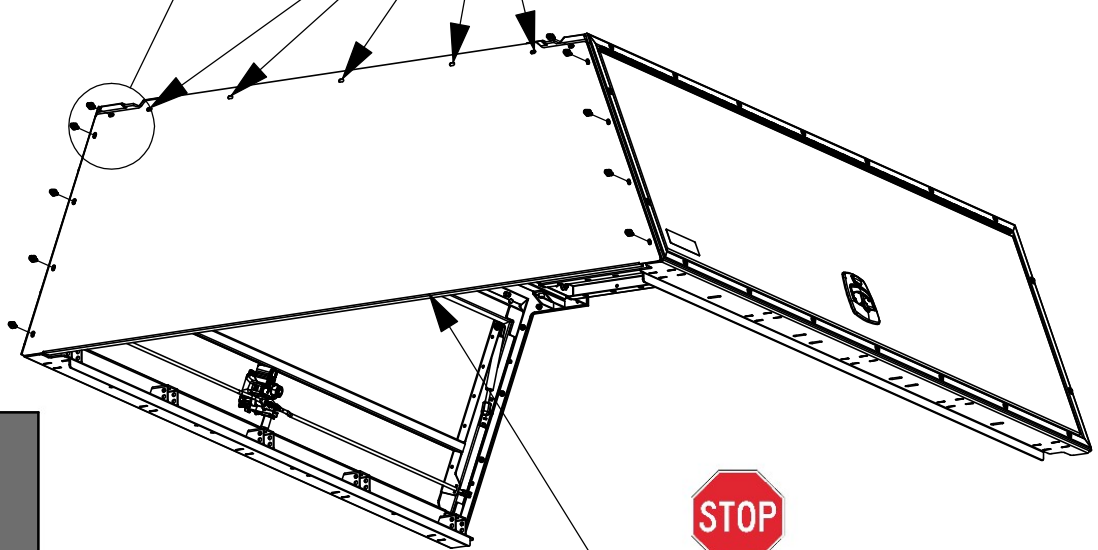
Step 3.2B
COLORADO
FRONT PANEL
FLANGE IS
OUTBOARD

DO NOT
TIGHTEN UNTIL
AFTER STEP 4

Step 3.2

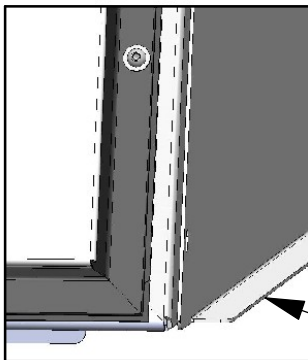


NOTE: LEAVE CENTER 5
SLOTS EMPTY, THESE ARE
FOR ROOF MOUNTING



NOTE: FRONT PANEL
FLANGE GOES INBOARD.

SEE STEP 3.2B FOR THE
COLORADO AS THE
FLANGE IS OUTBOARD



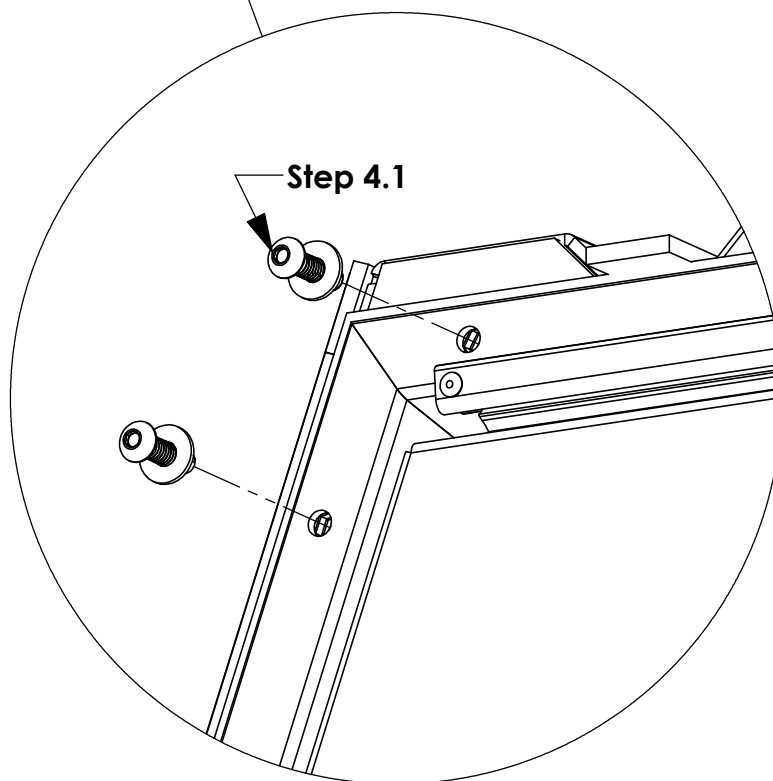
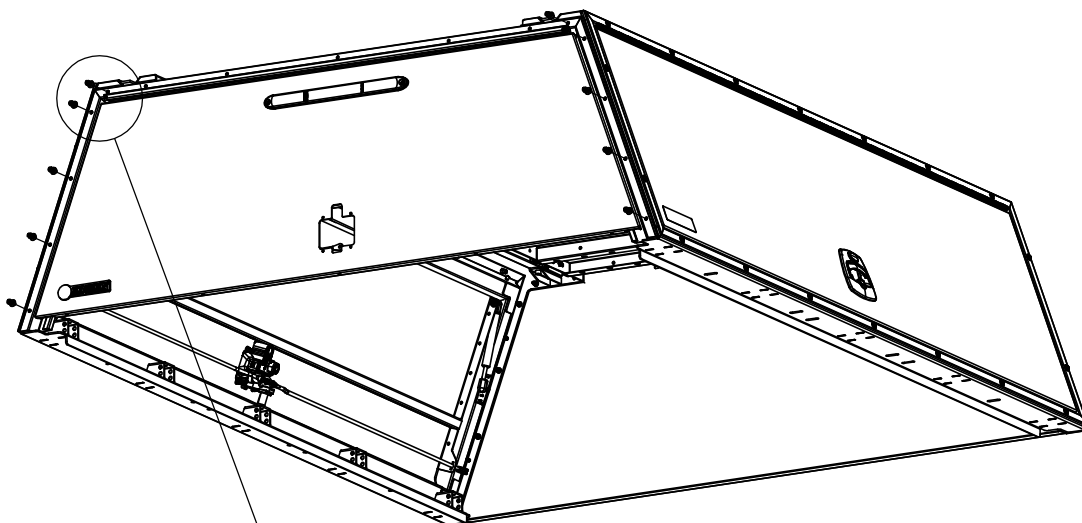
STEP 3.2B

STEP 4 - ATTACH LIFTGATE**Step 4.1
ATTACH
LIFTGATE FRAME**

FULLY TIGHTEN
FAS0234,
FAS0940
(10 PLACES)
5/32" ALLEN

**Step 4.2
GO BACK AND
FULLY TIGHTEN
FASTENERS
FROM STEP 3.2**

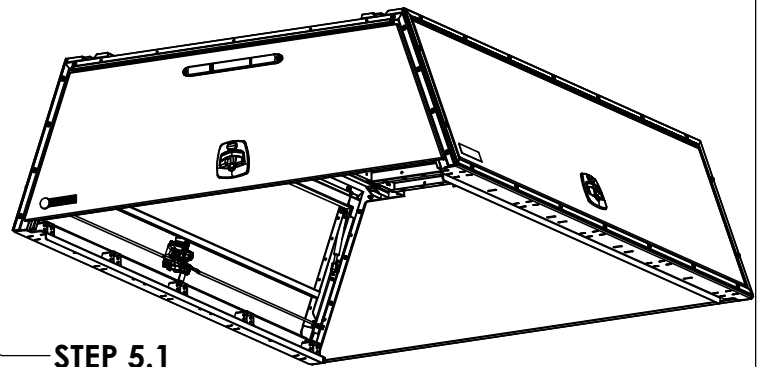
(10 PLACES)
5/32" ALLEN



STEP 5 - ATTACH LIFTGATE HANDLE

Step 5.1
CUT ZIP TIES
THAT ARE
HOLDING
LOCKRODS IN
PLACE.

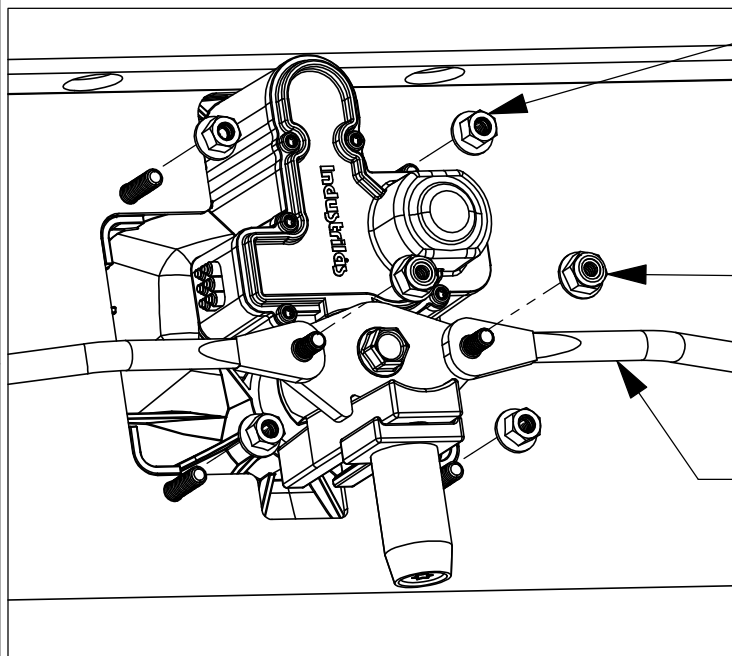
!! CAUTION !!
DOOR MAY TRY
TO OPEN.

**STEP 5.1**

Step 5.2
ATTACH HANDLE
TO DOOR

FULLY TIGHTEN
FAS0917
(4 PER DOOR)
M10 SOCKET

DO NOT
OVERTIGHTEN

**STEP 5.2**

STEP 5.2 & 5.3
HAVE DIFFERENT
SIZED FASTENERS

STEP 5.3

Step 5.3
ATTACH
LOCKRODS TO
HANDLE

FULLY TIGHTEN
FAS0918
(2 PLACES)
M8 SOCKET

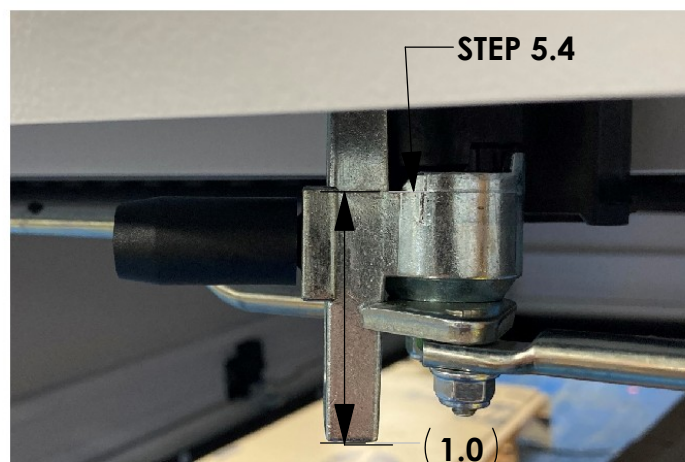
DO NOT
OVERTIGHTEN

NOTE THAT ORIENTATION
OF LOCKRODS IS
CRITICAL



Step 5.4
ADJUST HANDLE
POINT TO ALIGN
WITH CASTING
LINE ON HANDLE
BODY
(APPROX: 1.0")

FULLY TIGHTEN
M4 ALLEN
(2 PLACES)

**STEP 5.4**

(1.0)

STEP 6 - ATTACH ROOF AND ROOF RAILS

Step 6.1
SET ROOF PANEL
ON TOPPER BODY



**PLEASE NOTE THAT ORDER OF OPERATIONS ON
THESE BUILD STEPS IS CRITICAL TO A PROPER SEAL!**

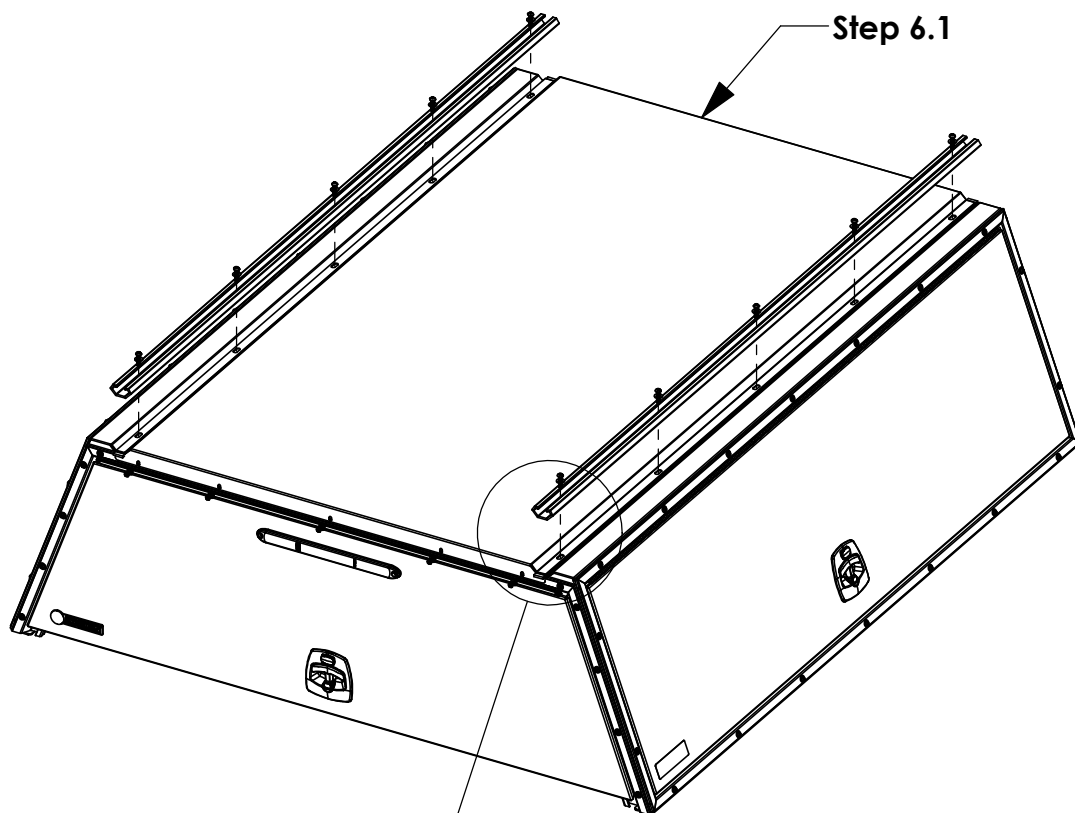
Step 6.2
ATTACH
MOUNTING RAILS
TO TOPPER BODY.

USE AN
ALIGNMENT
PUNCH TO POKE
THROUGH SEALS

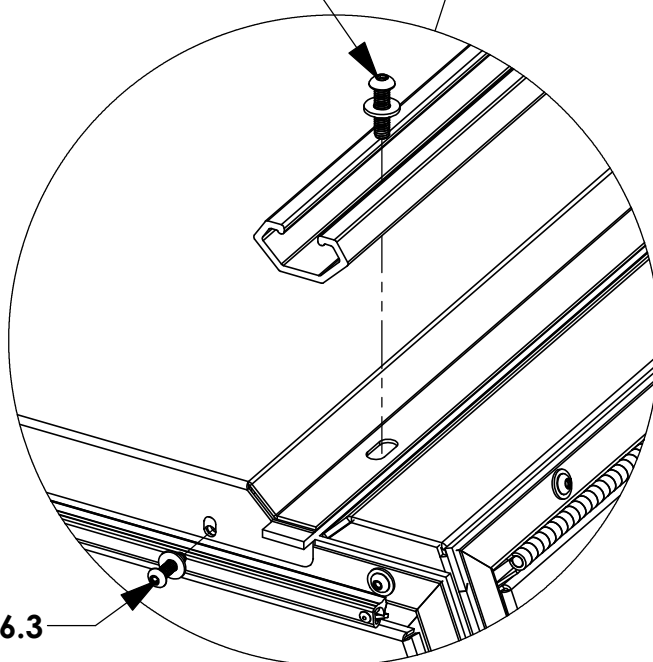
FULLY TIGHTEN
FAS0552,
FAS0919
(10 PLACES)
3/16" ALLEN

Step 6.3
ATTACH ROOF
TO TOPPER
BODY.

FULLY TIGHTEN
FAS0055,
FAS0552,
FAS0940
(10 PLACES)
5/32" ALLEN
7/16" WRENCH



Step 6.2



STEP 7 - ATTACH TAILGATE COVER

Step 7.1
ADD SILICONE TO
CORNER OF
TAILGATE COVER
AND AROUND
BOTTOM FACE
MOUNTING
HOLES.

Step 7.2
ATTACH TAILGATE
COVER TO REAR
DOOR.

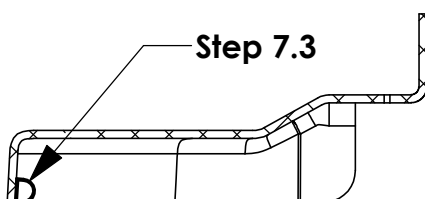
FULLY SECURE
FAS1014
(5 PLACES)

1/4" RIVET TIP

Step 7.3
PLACE 77152
GASKET INSIDE
OF TALEGATE
COVER, AS
SHOWN

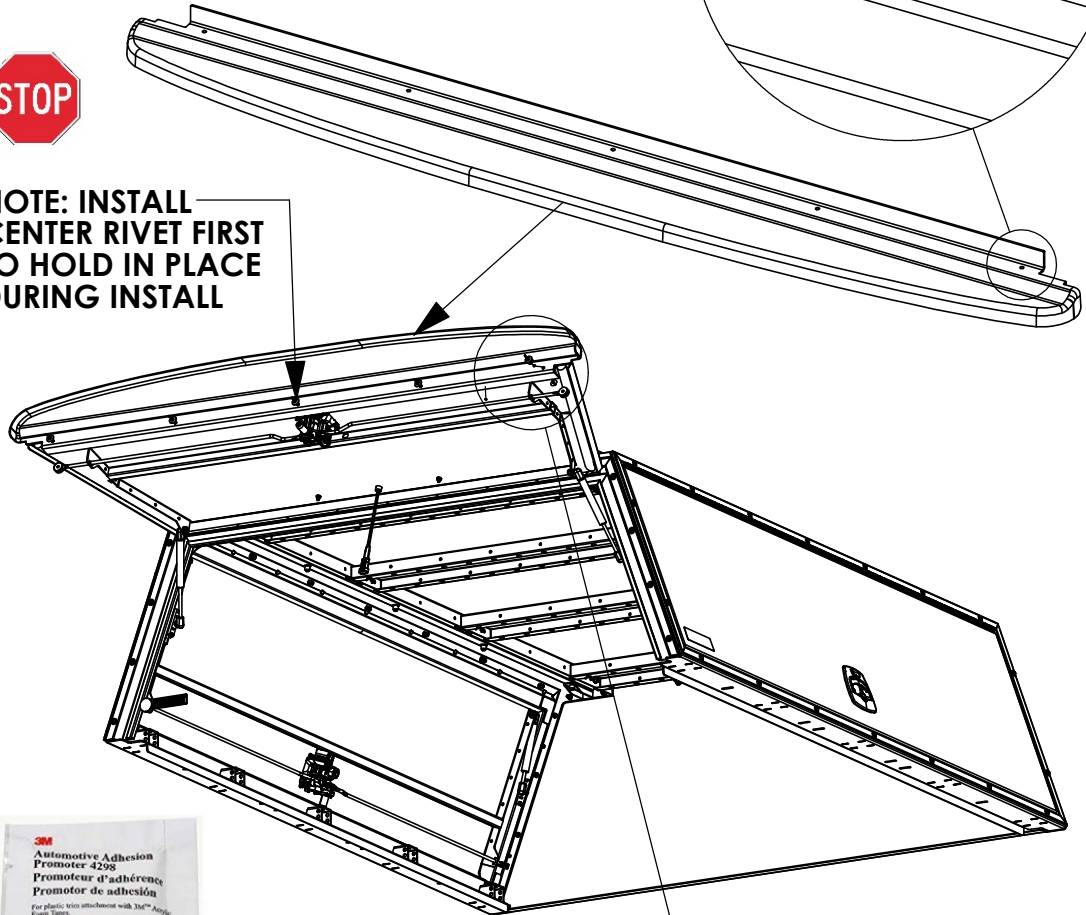
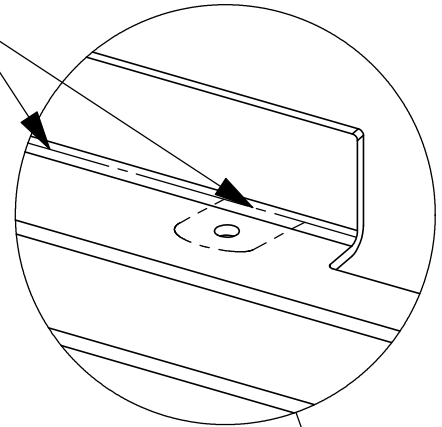


**NOTE: INSTALL
CENTER RIVET FIRST
TO HOLD IN PLACE
DURING INSTALL**

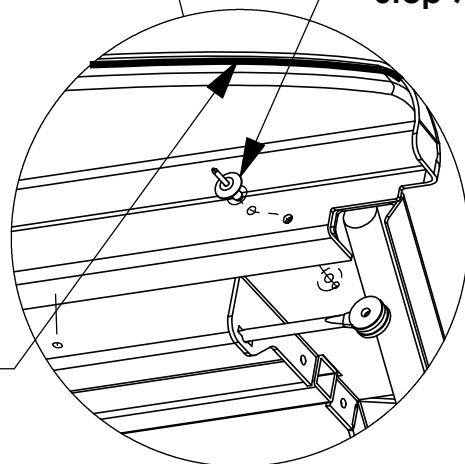


**NOTE: VEHICLE & TOPPER
NOT SHOWN FOR CLARITY.**

Step 7.1
**FULL LENGTH
OF THIS SEAM**



Step 7.2



Step 7.3

STEP 8 - ATTACH SEALS TO TRUCK BED

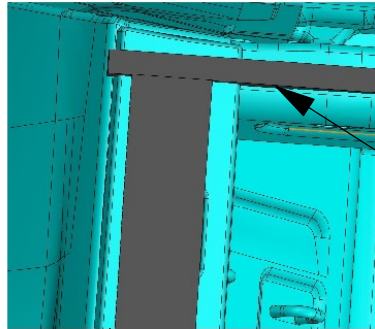
Step 8.1
INSTALL FRONT
BED SEAL. 1"
FROM THE INSIDE
EDGE OF THE
BED. CENTER
BETWEEN THE
DRIVER AND
PASSENGER SIDE
BED RAIL TRIM.

TRIM OFF EXTRA,
IF NECESSARY.

Step 8.2
INSTALL SIDE BED
SEALS. ALIGN TO
THE FRONT AND
INSIDE EDGES OF
THE SIDE BED
RAIL TRIM.

DO NOT TRIM
EXCESS UNTIL
TOPPER IS ON
THE TRUCK.

**TOP VIEW - COLORADO, SILVERADO
& RAM, FULL DISTANCE AT FRONT
EDGE**



**STEP 8.3
AT FLAT**

**STEP 8.3
1/4" GAP**

TOP VIEW

Step 8.2

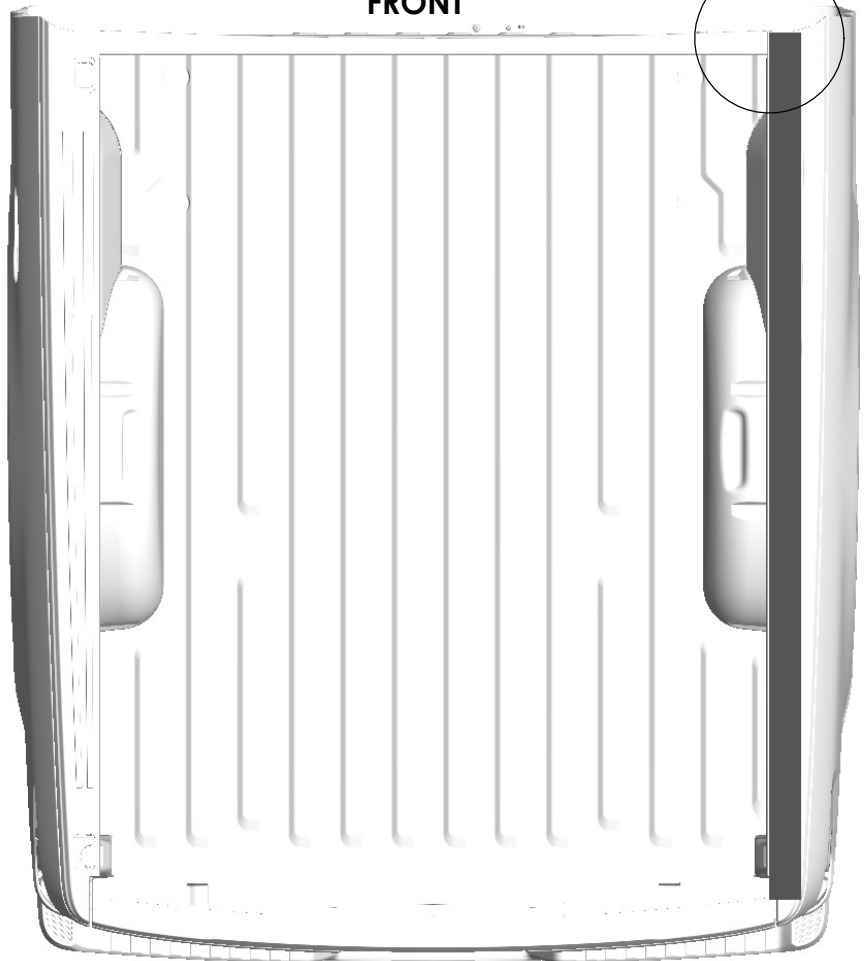
1.00"

STEP 8.1

FRONT



**DRIVER'S
SIDE**



STEP 9 - ATTACH TOPPER TO TRUCK BED (VEHICLE MISSING EXCEPT FOR BED TRIM FOR CLARITY)

Step 9.1
SLIDE (6)82005
INTO OEM RAILS
ON BOTH SIDES
OF BED (PS
SHOWN), HAND
TIGHTEN
(12)FAS0090

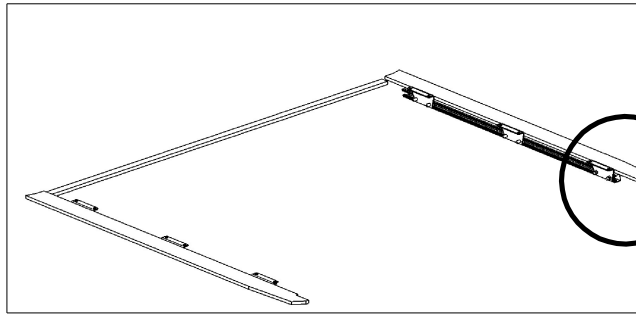
1/2" WRENCH

FULLY TIGHTEN
AFTER Step 9.5

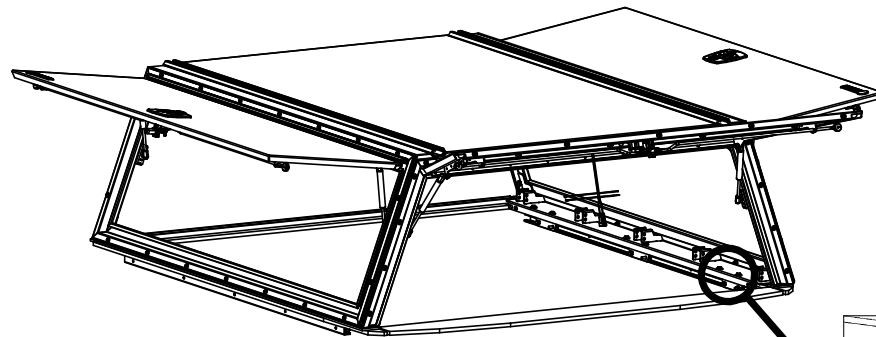
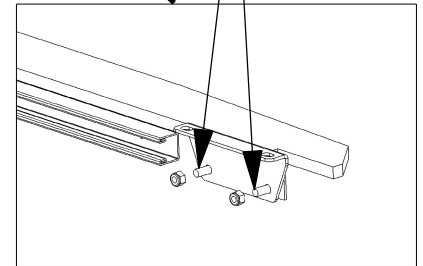
Step 9.2
PLACE
TFKTUN166HM23W,
ALIGN HOLES ON
TOPPER WITH
82005, HAND
TIGHTEN
(12)FAS0093,
(24)FAS0086, &
(12)FAS0090.

1/2" WRENCH

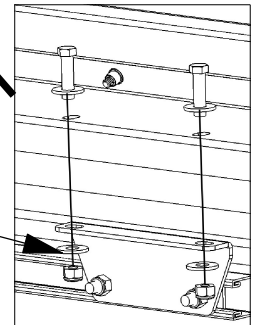
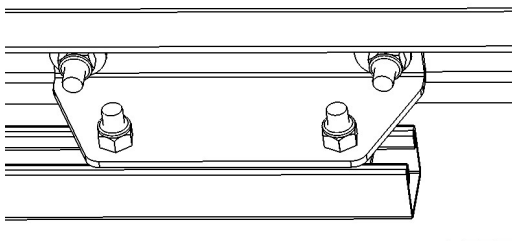
FULLY TIGHTEN
FASTERS AFTER
Step 9.5



Step 9.1



Step 9.2



NOTE:
VIEW FROM BELOW



STEP 9 - ATTACH TOPPER TO TRUCK BED (VEHICLE MISSING EXECPT FOR BED TRIM FOR CLARITY)

Step 9.3
REMOVE OEM
FASTENER ON
TRUCK BED AND
SET ASIDE, PLACE
82240-B AND
82239-B OVER
OEM HOLE AND
PLACE AGAINST
BED SIDE TO
MARK HOLES.
SWING BRACKETS
OUT OF THE WAY
AND DRILL
(6) 7/16" HOLE
THRU WALL ON
BOTH SIDES

7/16" DRILL BIT
DRILL



NOTE:
FOLLOW 82070 INSTRUCTION TO REMOVE BRAKE LIGHT,
BEFORE INSTALLING REAR BRACKET

Step 9.1



Step 9.2



STEP 9 - ATTACH TOPPER TO TRUCK BED

Step 9.4
RETURN OEM
FASTENER BACK
IN PLACE ON
BOTH SIDES,
HAND TIGHTEN,
TURN 82240-B
AND 82239-B
BACK TO FACE
HOLES THAT WERE
DRILLED.

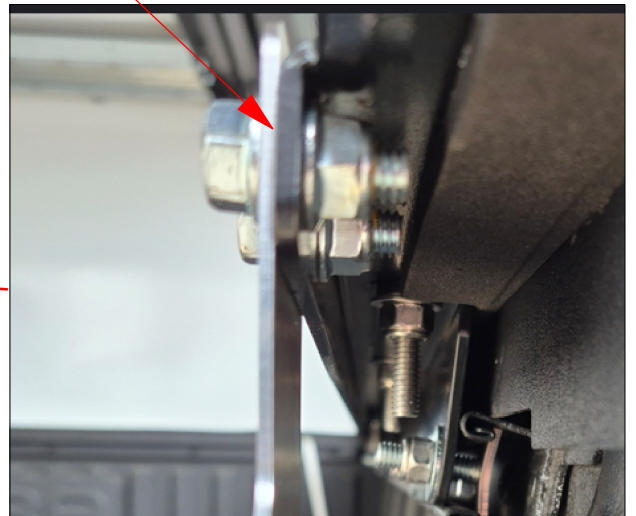
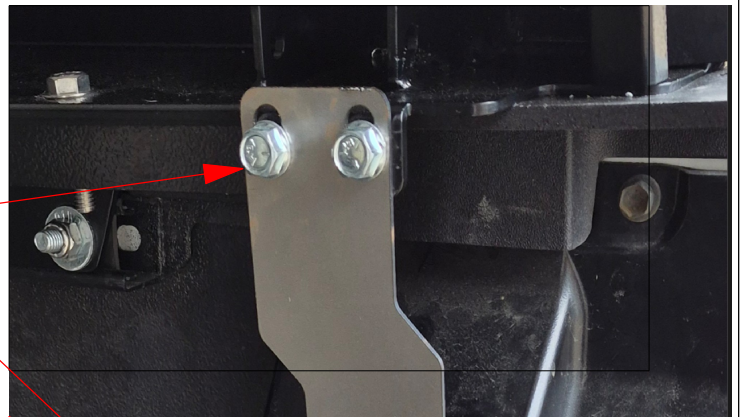
**FULLY TIGHTEN
AFTER Step 9.5**

Step 9.5
PLACE 82014-B ON
BOTH SIDES, ALIGN
HOLES IN 82240-B
AND 82239-B.
ALIGN WITH SLOTS
IN FLANGE ON
TOPPER, PLACE
(4)FAS0082,
(4)FAS0086, &
(4)FAS0090. HAND
TIGHTEN
FASTENERS

1/2" WRENCH

**FULLY TIGHTEN
AFTER Step 9.5**

Step 9.5



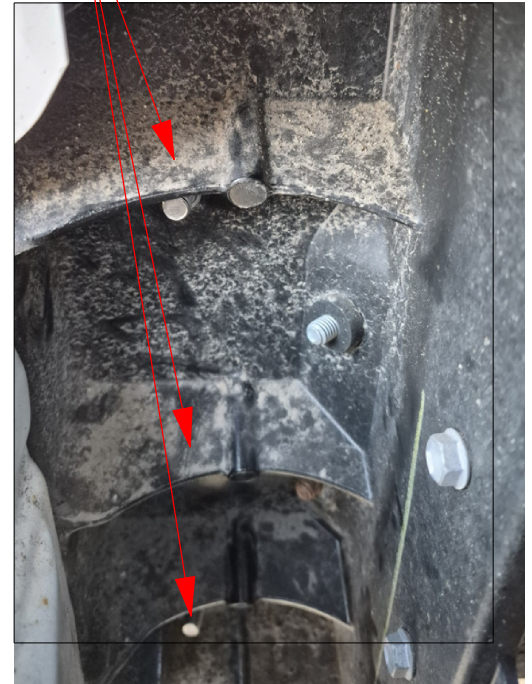
Step 9.4

STEP 9 - ATTACH TOPPER TO TRUCK BED

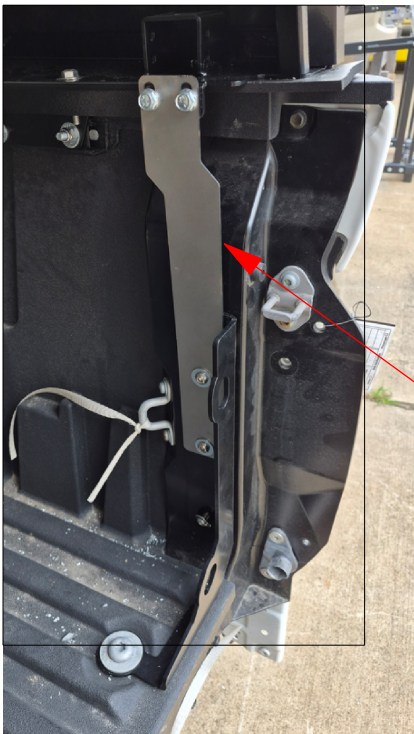
Step 9.5
PLACE ON BOTH
SIDES (6)FAS0727,
(6)FAS0086, &
(6)FAS0317 INTO
DRILL HOLES &
82014-B, FULLY
TIGHTEN

1/2" WRENCH

FULLY TIGHTEN ALL
FASTENERS



NOTE:
VIEW FROM INSIDE AFTER
BRAKE LIGHT WAS REMOVED



NOTE:
CHECK THAT 82014-B IS VERTICALLY STRAIGHT ON
BOTH SIDES BEFORE TIGHTENING ALL FASTENERS.

Introduction / Comments:

Install Instructions For Third Brake Light for Toyota Tundra

Note:

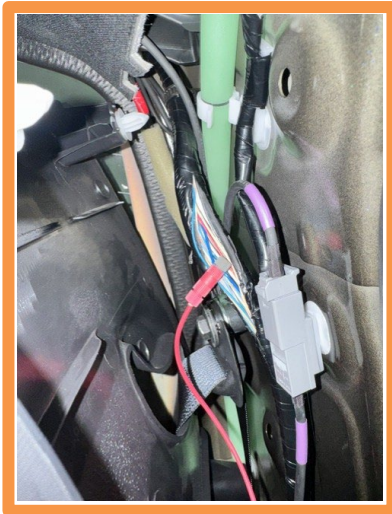
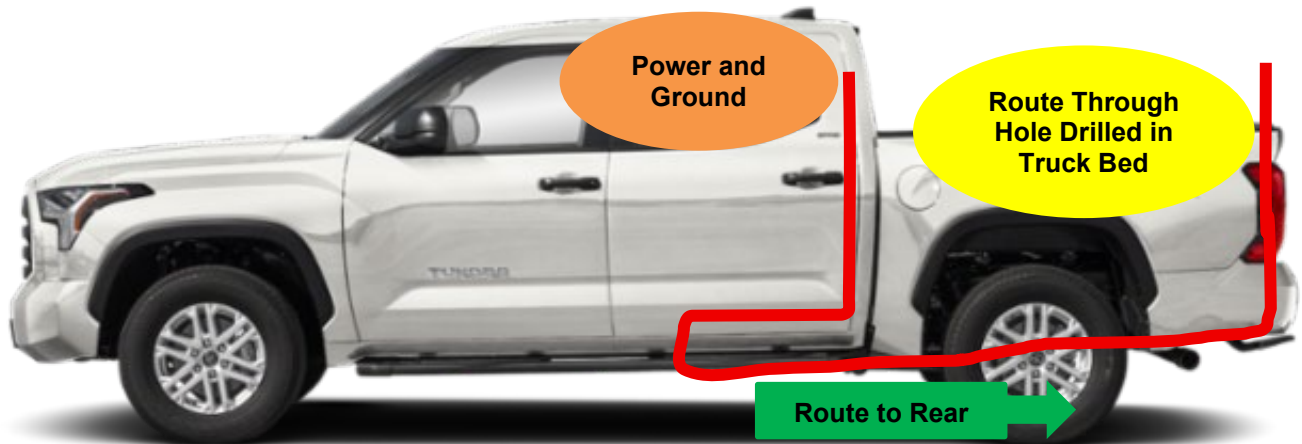
Read all instructions prior to installation. Review the Adrian Steel **GENERAL PRECAUTIONS PAGES (56638)** before attempting installation. Only personnel familiar with using electrical best practices should perform this install. Reference **ELECTRICAL BEST PRACTICES MANUAL (54479)** before attempting installation.



81760

Installation Instructions for the Third Brake Light Toyota Tundra

Routing Overview



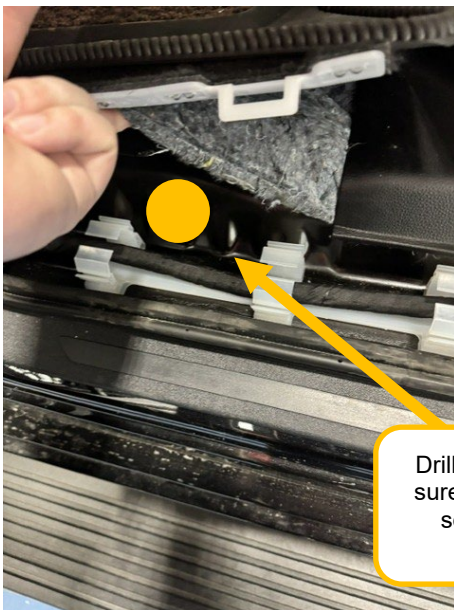
Color	Key Items
Orange	Power and Ground
Red	Harness Routing
Yellow	Wire Pass Thru in Bed

Step 1:



Open the rear driver door and begin by removing the door sill and then the c-pillar trim.

Step 2:



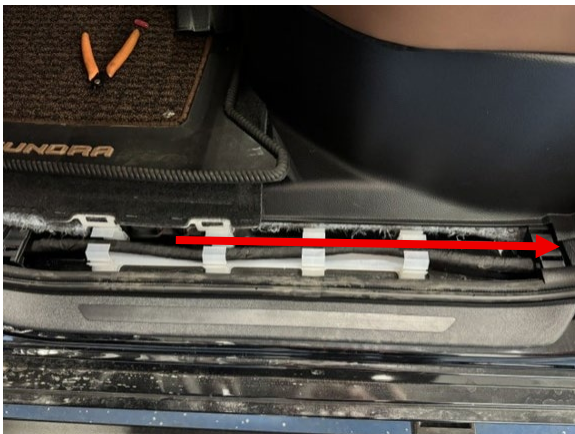
Drill hole on angled floor. Make sure to check below the vehicle so that you do not drill into anything.

Before routing the harness remove the fuse from the in-line fuse holder.

At the door sill, drill a 13/16" hole. Then locate the chmsl harness and route the end of the harness with the ring terminal and posi-tap through the hole drilled. Make sure to install the grommet. Apply silicone at the end of the installation.

 SEND HARD-INSTALL PHOTO TO EE TEAM
Enviar foto de la instalación al equipo de EE

Step 3:



Route the harness across the door sill next to the OEM harness towards the rear and then up the c-pillar.

 SEND HARD-INSTALL PHOTO TO EE TEAM
Enviar foto de la instalación al equipo de EE

Step 4:



Locate the OEM harness circled. Using a seam ripper cut the tape and conduit of the harness. Make sure to be careful when cutting this harness open, the wires are very small.

Locate the dark blue wire in the bundle. Make sure it is the same dark blue wire pictured because there are multiple light blue wires in this bundle. Using the posi-tap connect the chmsl harness to the oem brake signal wire.

Step 5:

Locate the FAS0473 self-tapping screw and the lock washer FAS006, use it to secure the ground ring terminal to the frame of the c-pillar. You will see OEM ground points, try to ground to the frame near there.



Step 6:



Now route the harness underneath the vehicle towards the rear. Make sure the harness is on the outer side of the frame so that it is not close to the exhaust pipe. Make sure to use the self-tappers and p-clips provided to secure the harness.



Step 7:

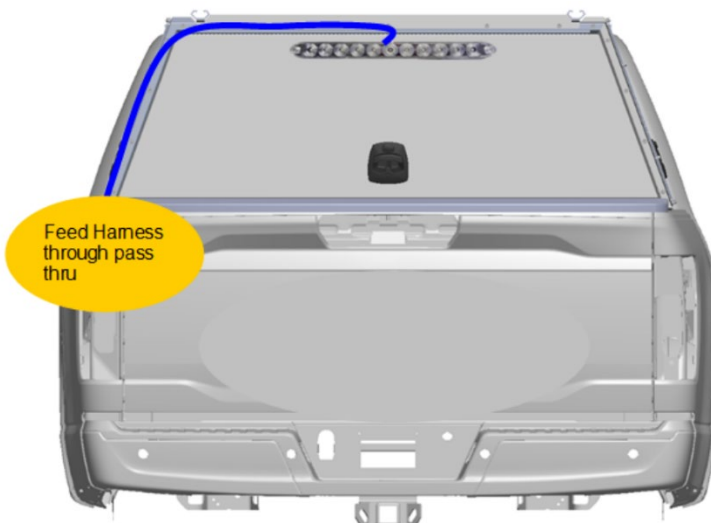


Once the harness is at the rear of the vehicle, go into the truck bed and drill a 13/16" hole where shown. Then route the harness through the hole into the bed.

Make sure to secure the grommet into the hole and silicone once installation is complete.

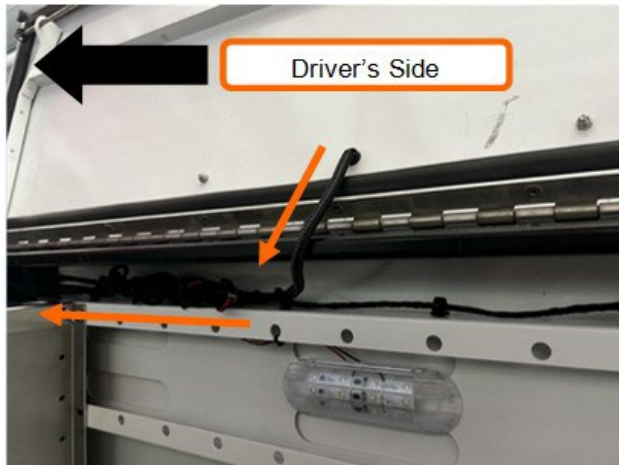


Step 8:



Now route the harness up the corner of the topper and then towards the center of the topper and plug into the brake light. Make sure to use zip ties often so that the harness is secured.

Step 8: Continued



Route the harness as shown in the topper.

Please use as many fasteners as needed to neatly route the harness.

Once everything is routed apply silicone to the 2 holes drilled in the floor of the cab and in the bed. Also, reinstall the in-line fuse.



The install is now complete.

Check that the brake light comes on when the brake pedal is pushed, by pressing the brake and releasing.

Make sure to trim all zip ties and replace anything that was removed during the install.

