

INSTR.
NUMBER : **71622**

PG: **1** REV: **V**

PART
NUMBER : **TFK__T178HM23W**

PART
DESC. : ASM INS, TFK__T178HM23W

BOM FOR 6.5' F-150

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK78M23W	TOP, SIDE KIT,78",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK7823W	TOP, ROOF KIT,78",23,W	1
4	THKFDT178M23	HDW KIT, TFKFDT178HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH05**

BOM FOR 6.5' SILVERADO 1500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK78M23W	TOP, SIDE KIT,78",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK7823W	TOP, ROOF KIT,78",23,W	1
4	THKGMT178M23	HDW KIT, TFKGMT178HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1
19	81552-W	INTERIOR, LGT MAG BRKT, WHITE	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH02**

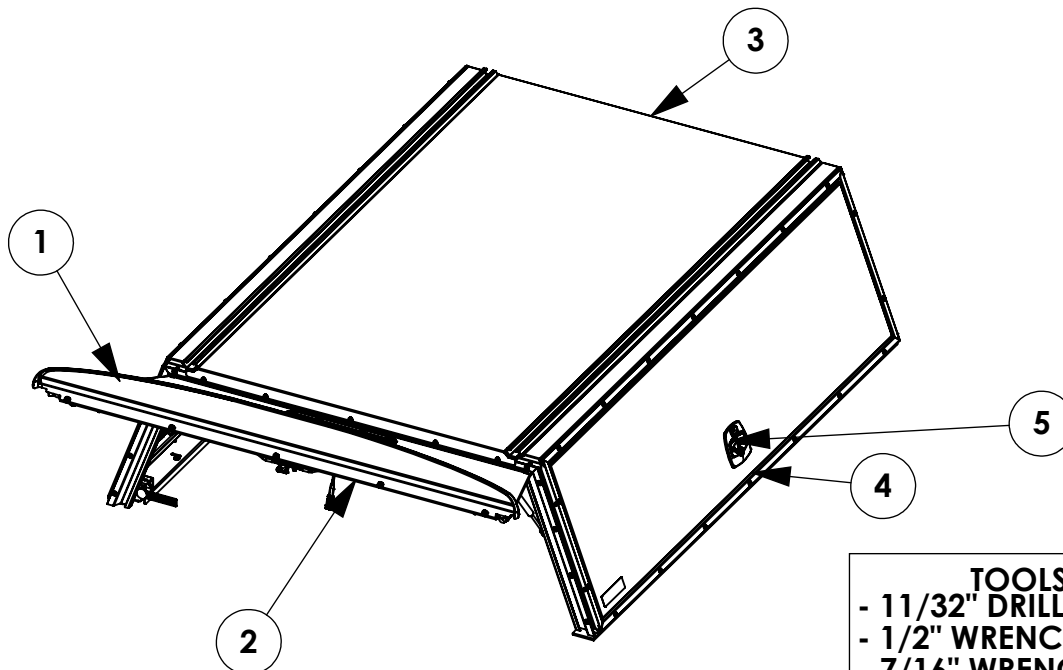
NOTE: THESE INSTRUCTIONS ARE VALID FOR ALL TFK FULL TOPPER KITS. A FEW BOM KITS ARE SHOWN FOR REFERENCE ONLY.

INSTRUCTIONS SHOWS F-150 BODY DURING INSTALLATION

FASTENER AND HOLE COUNTS MAY BE DIFFERENT BETWEEN TOPPER KITS.

**E-LOCK VERSIONS:
SWAP M WITH E IN PART
NUMBER**

**EXAMPLE: TFKFDT178HM23W
BECOMES TFKFDT178HE23W**



TOOLS NEEDED:

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

INSTR.
NUMBER : **71622**

PG:
2

REV:
V

PART
NUMBER : **TFK__T178HM23W**

PART
DESC. : ASM INS, TFK__T178HM23W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT178HM23W
BECOMES TFKFDT178HE23W

BOM FOR 6.3' RAM

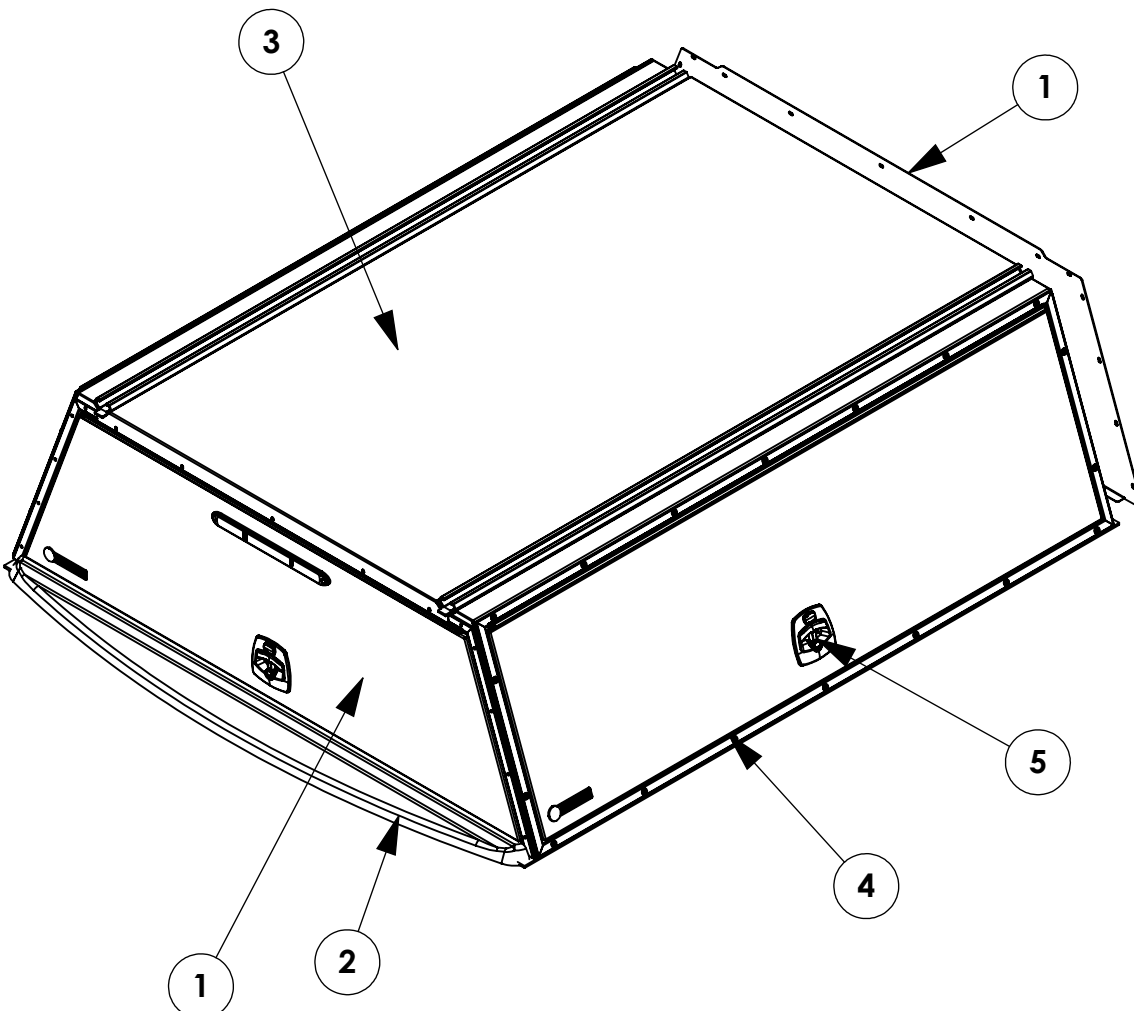
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
2	THKRAM175M23	HDW KIT, TCKRAMT175HM23W	1
3	TRK7523W	TOP, ROOF PANEL KIT, RAM	1
4	TSK75M23W	TOP, SIDE KIT, 78" RAM	2
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH02**

BOM FOR 5.7' RAM

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK66M23W	TOP, SIDE KIT,66",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK6623W	TOP, ROOF KIT,66",23,W	1
4	THKRAM167M23	HDW KIT, TFKRAM167HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH01**



INSTR.
NUMBER : 71622

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3

REV:
V

PART
NUMBER : TFK__T196HM23W

PART
DESC. : ASM INS, TFK__T178HM23W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT178HM23W
BECOMES TFKFDT178HE23W

BOM FOR 8.0' 23" TALL FORD F-150, F-250, F-350

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M23W	TOP, SIDE KIT,96",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	THKFDT196M23	HDW KIT, TFKFDT196HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH06**

BOM FOR 8.0' 23" TALL SILVERADO 1500, 2500, 3500

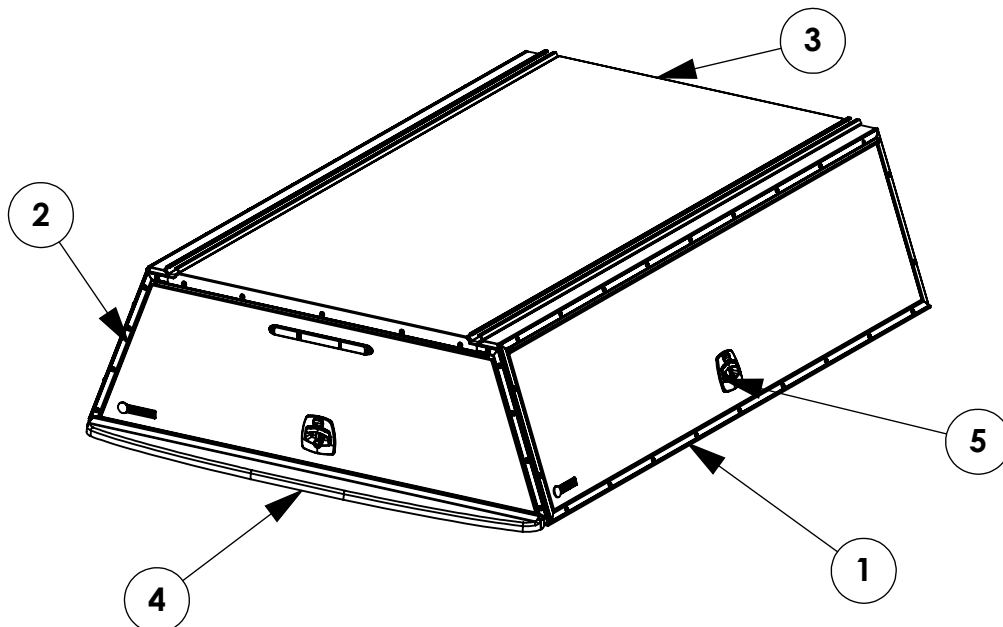
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M23W	TOP, SIDE KIT,96",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	THKGMT196M23	HDW KIT, TFKGMT196HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH03**

BOM FOR 8.0' 23" TALL RAM 1500, 2500, 3500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M23W	TOP, SIDE KIT,96",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	THKRAM196M23	HDW KIT, TFKRAM196HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH03**



INSTR. NUMBER : 71622	PG: 4	REV: V	BOM FOR 8.0' 26" TALL FORD F-150, F-250, F-350			
			ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART NUMBER : TFK__T296HM26W			1	TSK96M26W	TOP, SIDE KIT,96",M,26,W	2
PART DESC. : ASM INS, TFK__T178HM23W			2	TCK80HM26W	TOP,CLOSE KIT,80",HM263,W	1
			3	TRK9623W	TOP, ROOF KIT,96",23,W	1
			4	THKFDT296M26	HDW KIT, TFKFDT296HM26W	1
E-LOCK VERSIONS:			5	TMLHK	Topper Mechanical Lock Hatch Kit	1

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT178HM23W
BECOMES TFKFDT178HE23W

*** E-LOCK VERSION SWAP TMLHK WITH TELH06**

BOM FOR 8.0' 26" TALL SILVERADO 1500, 2500, 3500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M26W	TOP, SIDE KIT,96",M,26,W	2
2	TCK80HM26W	TOP,CLOSE KIT,80",HM263,W	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	THKGMT296M26	HDW KIT, TFKGMT296HM26W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

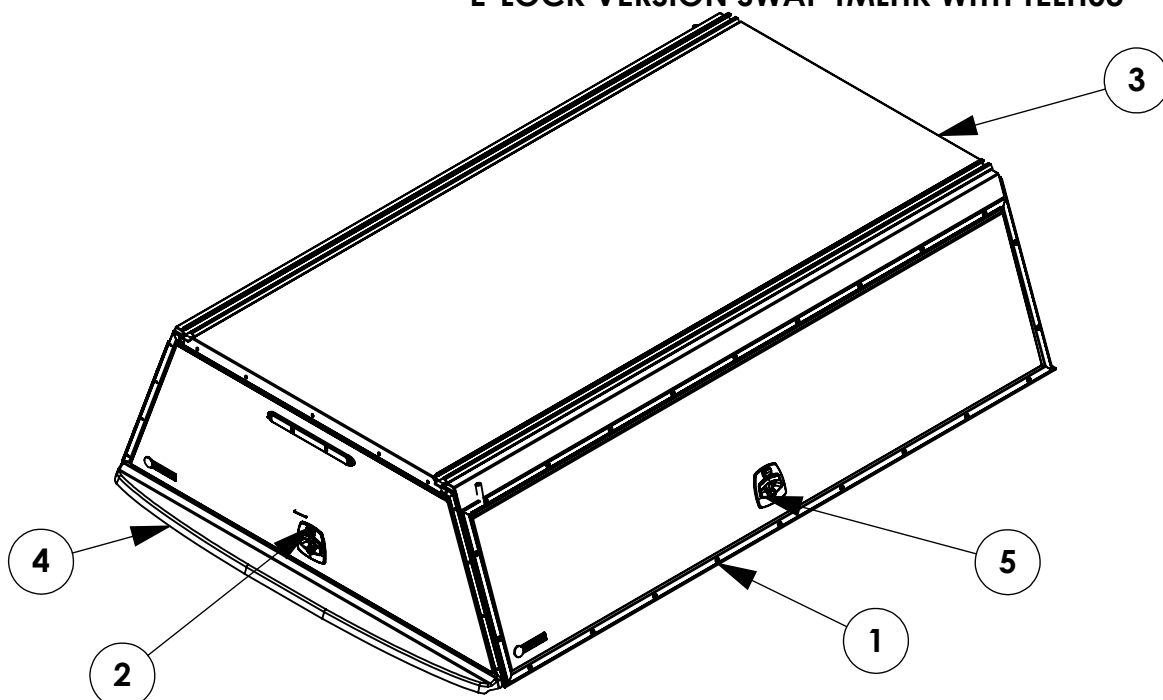
*** E-LOCK VERSION SWAP TMLHK WITH TELH03**



BOM FOR 8.0' 26" TALL RAM 1500, 2500, 3500
NOTE: SPECIAL ASSEMBLY INSTRUCTION SHOWN ON SHEET 20

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M26W	TOP, SIDE KIT,96",M,26,W	2
2	TCK80HM26W	TOP,CLOSE KIT,80",HM263,W	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	THKRAM296M26	HDW KIT, TFKRAM296HM26W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH03**



INSTR. : 71622
NUMBER

PG: 5

REV: V

PART : TFKFDT166HM23W
NUMBER

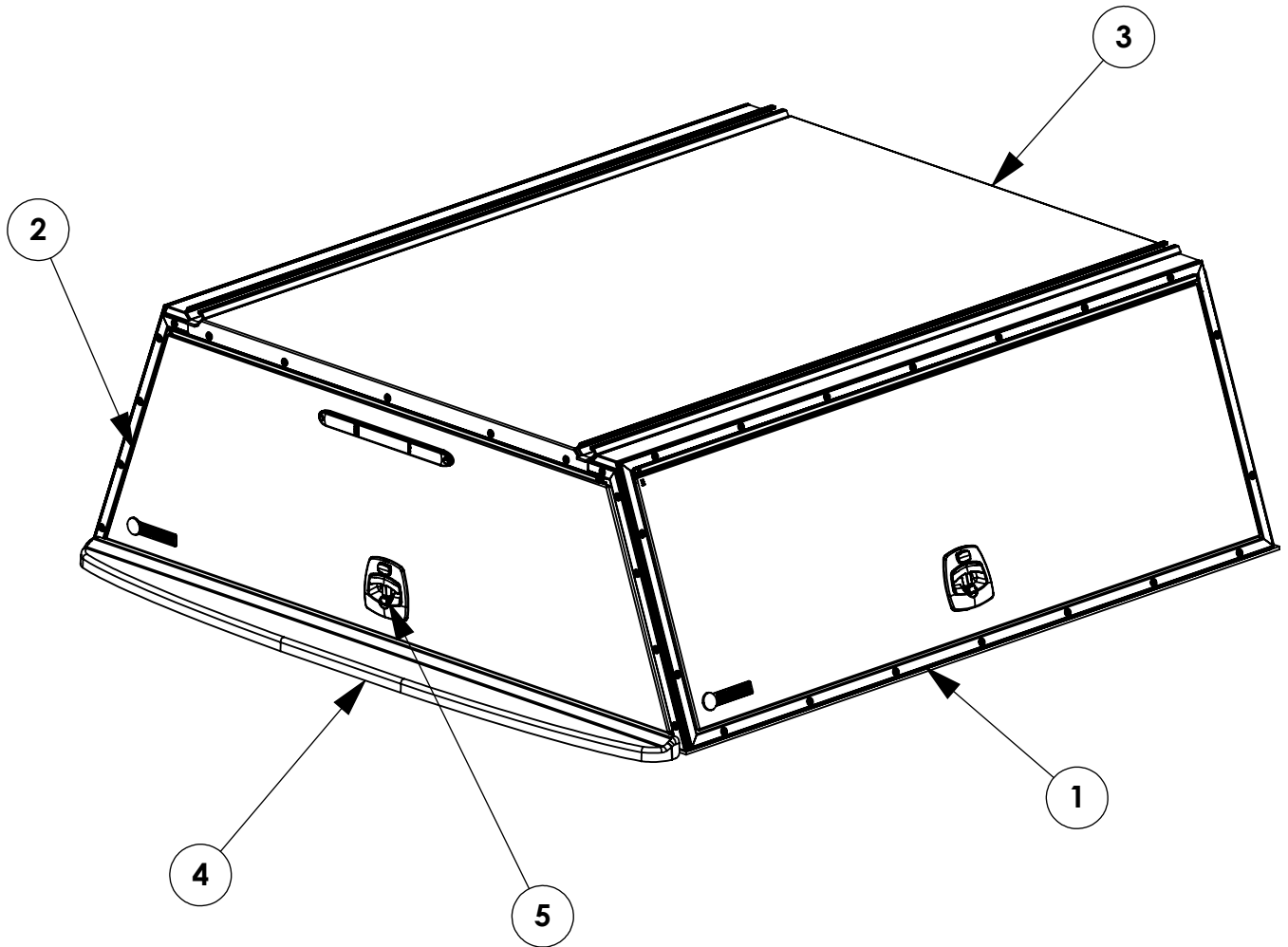
PART : ASM INS, TFK__T178HM23W
DESC.

E-LOCK VERSION: TFKFDT166HE23W

BOM FOR 5.5' 23" TALL FORD F-150 LIGHTNING/ICE

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK66M23W	TOP, SIDE KIT,66",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK6623W	TOP, ROOF KIT,66",23,W	1
4	THKFDT166M23	HDW KIT, TFKFDT166HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

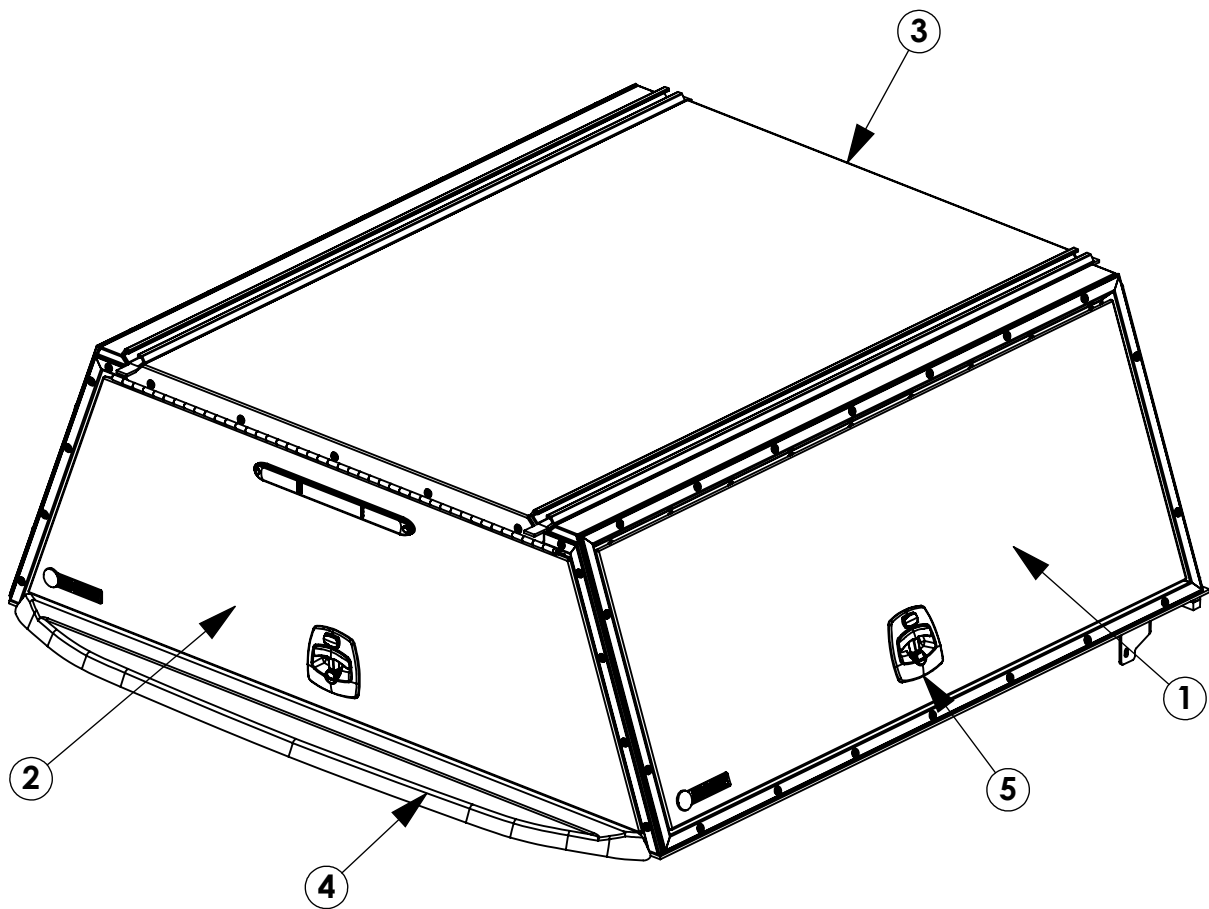
*** E-LOCK VERSION SWAP TMLHK WITH TELH04**



INSTR. : 71622		PG: 6	REV: V	BOM FOR 5' FORD RANGER			
PART : TFKRNG160HM23W				ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART : TFKRNG160HM23W				1	TSKRNG60M23W	TOP, SIDE KIT,60", RANGER,M,23,W	2
PART : TFKRNG160HM23W				2	TCK72HM23W	TOP,CLOSE KIT,72",HM23,W	1
PART : TFKRNG160HM23W				3	TRK6023W	TOP, ROOF KIT,60",23,W	1
PART : TFKRNG160HM23W				4	THKRNG160M23	HDW KIT, TFKNFT172HM23W	1
PART : TFKRNG160HM23W				5	TMLHK	TOPPER MECHANICAL LOCK HATCH KIT	1

E-LOCK VERSION: TFKRNG160HE23W

* E-LOCK VERSION SWAP TMLHK WITH TELH04



INSTR.
NUMBER : **71622**

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7

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PART
NUMBER : **TFKNFT172HM23W**

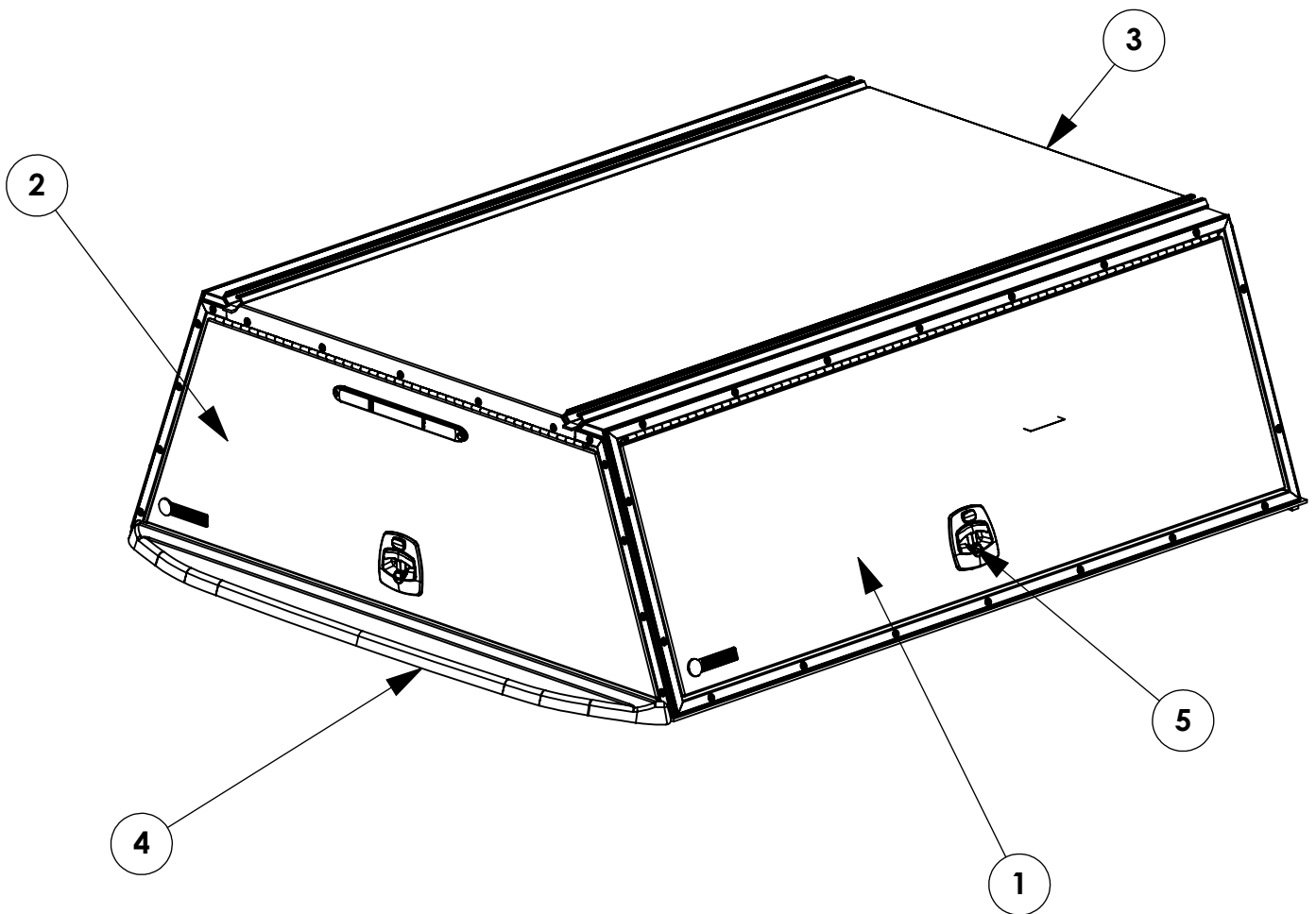
PART
DESC. : ASM INS, TFK__T178HM23W

E-LOCK VERSION: TFKNFT172HE23W

BOM FOR 6.0' 23" TALL NISSAN FRONTIER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK72M23W	TOP, SIDE KIT,72",M,23,W	2
2	TCK72HM23W	TOP,CLOSE KIT,72",HM23,W	1
3	TRK7223W	TOP, ROOF KIT,72",23,W	1
4	THKNFT172M23	HDW KIT, TFKNFT172HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH05**



INSTR.
NUMBER : **71622**

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8

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PART
NUMBER : **TFKNFT160HM23W**

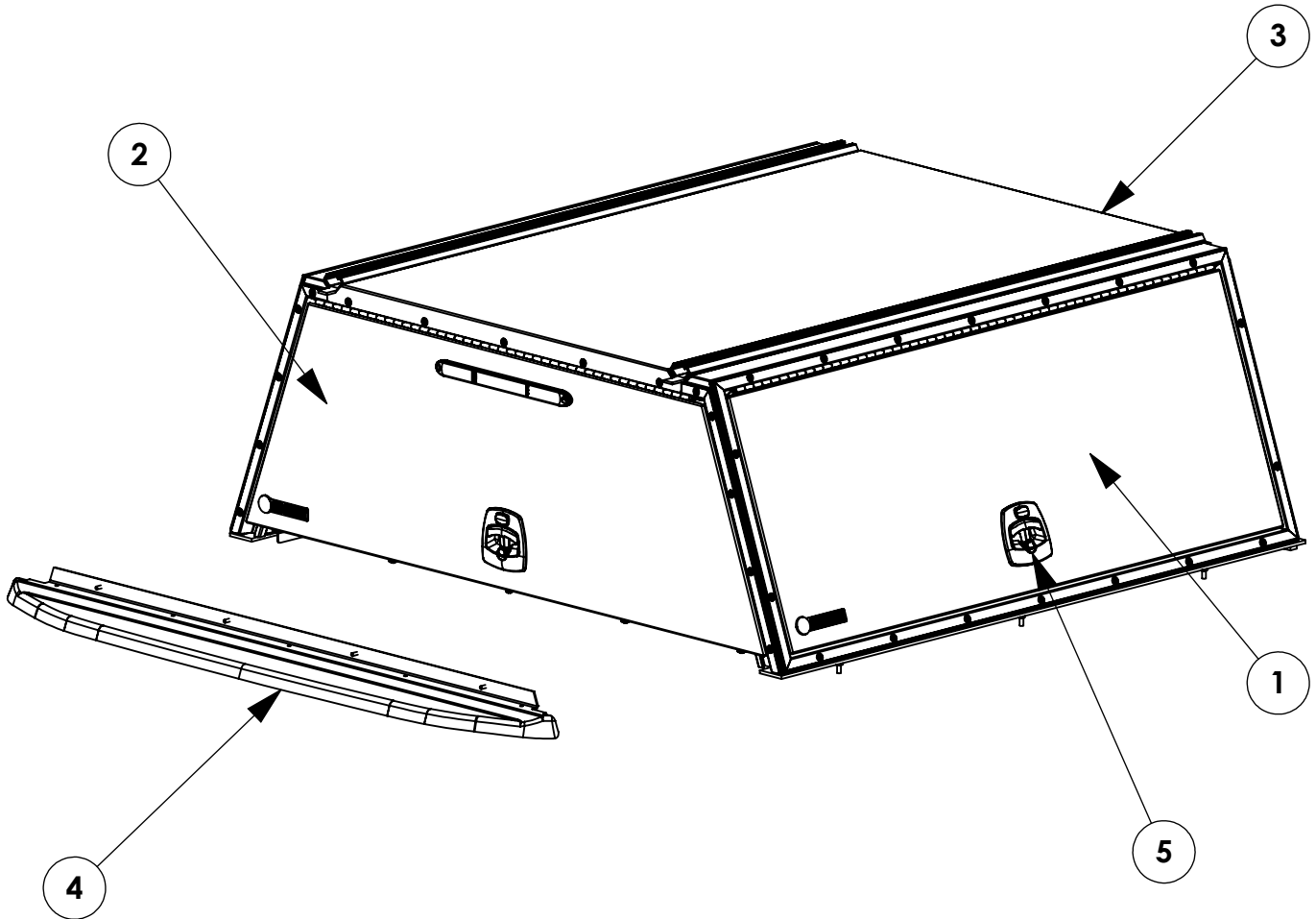
PART :
DESC. : ASM INS, TFK__T178HM23W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT178HM23W
BECOMES TFKFDT178HE23W

BOM FOR 5.0' 23" TALL NISSAN FRONTIER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK60M23W	TOP, SIDE KIT,60",M,23,W	2
2	TCK72HM23W	TOP,CLOSE KIT,72",HM23,W	1
3	TRK6023W	TOP, ROOF KIT,60",23,W	1
4	THKNFT172M23	HDW KIT, TFKNFT172HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

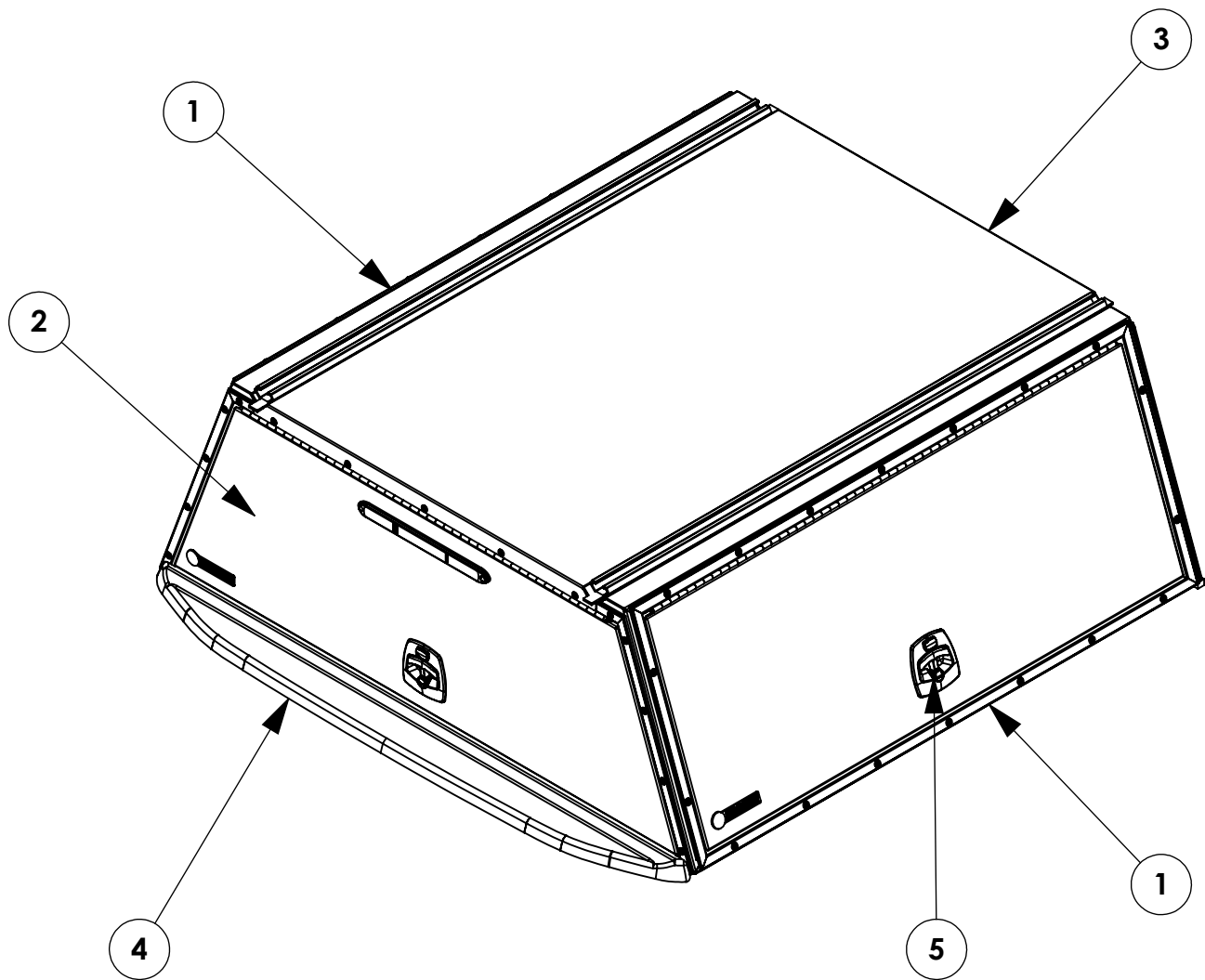
*** E-LOCK VERSION SWAP TMLHK WITH TELH04**



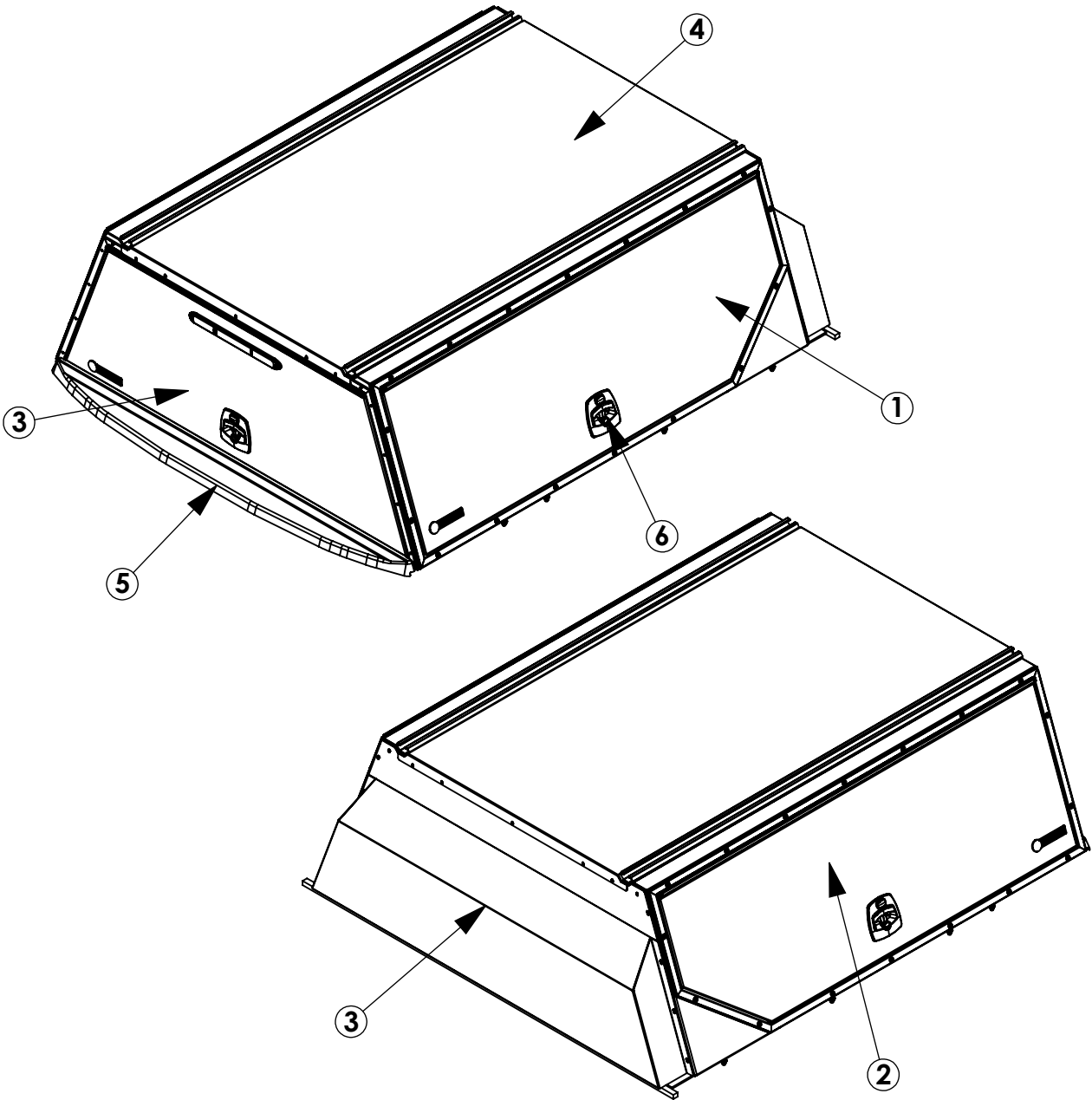
INSTR. : 71622		PG: 9	REV: V	BOM FOR 5.1' 23" TALL COLORADO		
PART : TFKNFT160HM23W		ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	
PART : ASM INS, TFK__T178HM23W DESC. :		1	TSKCOL60M23W	TOP, SIDE KIT,60",M,23,W	2	
		2	TCK72HM23W	TOP,CLOSE KIT,72",HM23,W	1	
		3	TRK6123W	TOP, ROOF KIT,61",23,W	1	
		4	THKCOL60M23	HDW KIT, TFKCOL160HM23W	1	
		5	TMLHK	Topper Mechanical Lock Hatch Kit	1	

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT178HM23W
BECOMES TFKFDT178HE23W

* E-LOCK VERSION SWAP TMLHK WITH TELH04



INSTR. : 71622		PG: 10	REV: V	BOM FOR 69" 23" TALL SILVERADO EV 1500			
PART : TFKGME169HM23W				ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
				1	TSK69M23WPS	TOP, SIDE KIT,SILVERADO EV, 69", PS	1
PART : ASM INS, TFKGME169HM23W				2	TSK69M23WDS	TOP, SIDE KIT,SILVERADO EV, 69",DS	1
E-LOCK VERSIONS: SWAP M WITH E IN PART NUMBER EXAMPLE: TFKFDT178HM23W BECOMES TFKFDT178H<u>E</u>23W				3	TCKGMEHM23W	TOP,CLOSE KIT,SILVERADO EV,HM23,W	1
				4	TRKGME6923W	TOP, ROOF KIT,69",23,W	1
				5	THKGME169M23	HDW KIT, TFKGME169HM23W	1
				6	TMLHK	Topper Mechanical Lock Hatch Kit	1



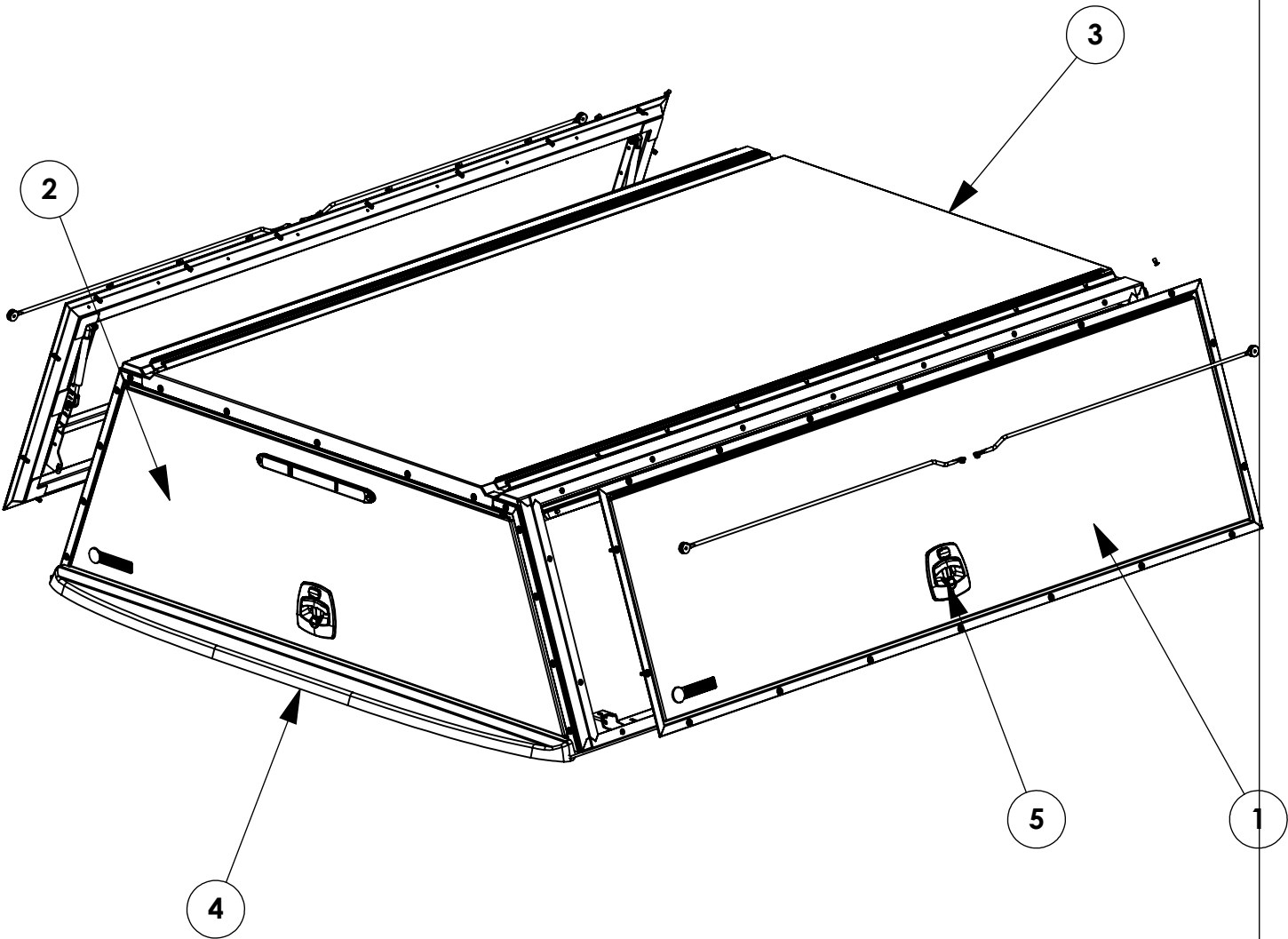
INSTR. NUMBER	: 71622	PG: 11	REV: V
PART NUMBER	: TFKGMT280HM23W		
PART DESC.	: ASM INS, TFK__T178HM23W		

BOM FOR 80" 23" TALL SILVERADO 2500, 3500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK80M23W	TOP, SIDE KIT,80",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK8026W	TOP, ROOF KIT,80",26,W	1
4	THKGMT280M23	HDW KIT, TFKGMT280HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT178HM23W
BECOMES TFKFDT178HE23W

*** E-LOCK VERSION SWAP TMLHK WITH TELH03**



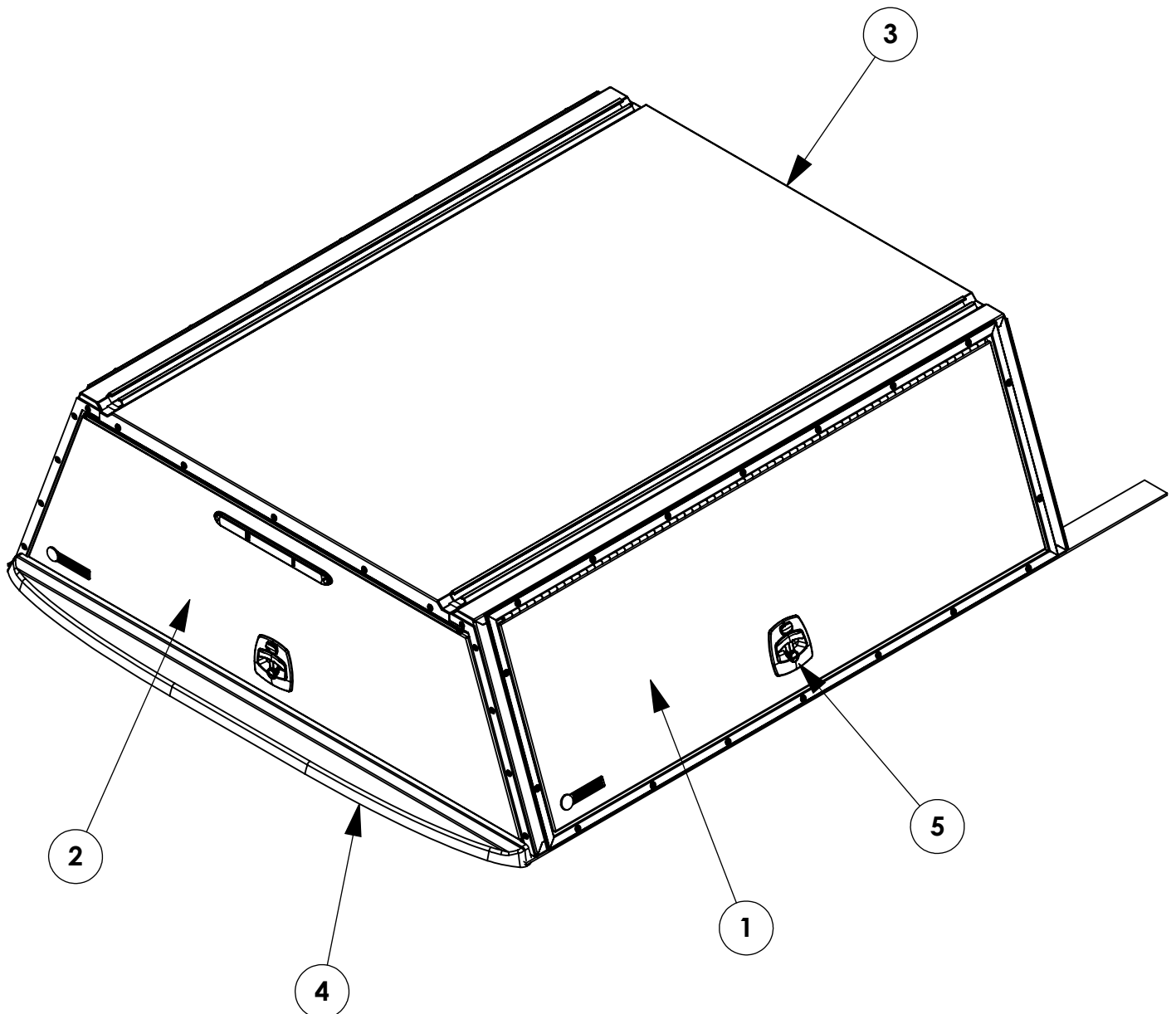
INSTR. NUMBER	: 71622	PG: 12	REV: V
PART NUMBER	: TFKGMT170HM23W		
PART DESC.	: ASM INS, TFK__T178HM23W		

BOM FOR 70" 23" TALL SILVERADO 1500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK70M23W	TOP, SIDE KIT,70",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK7023W	TOP, ROOF KIT,70",23,W	1
4	THKGMT280M23	HDW KIT, TFKGMT280HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT178HM23W
BECOMES TFKFDT178HE23W

*** E-LOCK VERSION SWAP TMLHK WITH TELH03**



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.

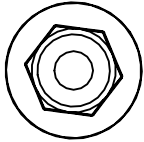
PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

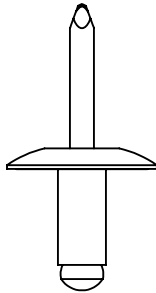
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FASTENERS USED

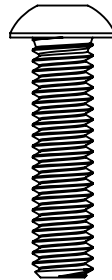
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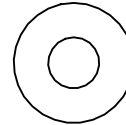
FAS0055
1/4-20 ZP
HFLNG NLK NUT
QTY: 10



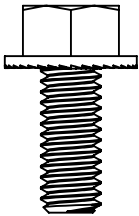
FAS1014
.25X.11GR AL
RIVET, BLND
QTY: 5



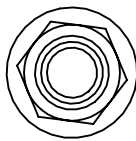
FAS0919
5/16-18 X 1.25 SST
BHC SCREW
QTY: 10



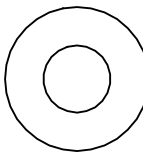
FAS0234
1/4 SST
FLAT WASHER
QTY: 30



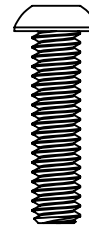
FAS0438
5/16-18 X .75 ZP
HFNLG SCREW
QTY: 16



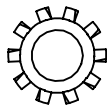
FAS0440
5/16-18 ZP
HFLNG NLK NUT
QTY: 16



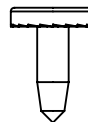
FAS0552
5/16 SST
FLAT WASHER
QTY: 10



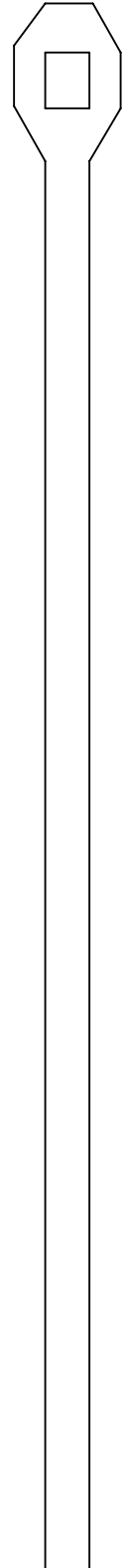
FAS0940
1/4-20 X 1.0 SS NP
BHTX SCREW
QTY: 30



FAS0066
1/4 LOCK WASHER
EXT. TOOTH
QTY: 1



FAS0148
#10 X 0.5 NI-ZN
PH SELF DRILL SCREW
QTY: 1



78320
7.5" STUD MNT
CABLE TIE
QTY: 5

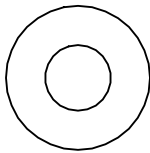
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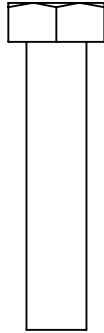
17

FASTENERS USED

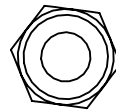
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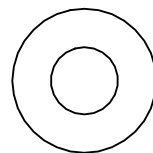
FAS0164
5/16 ALUM
FLAT WASHER
QTY BAG71794: 0
QTY BAG71801: 8



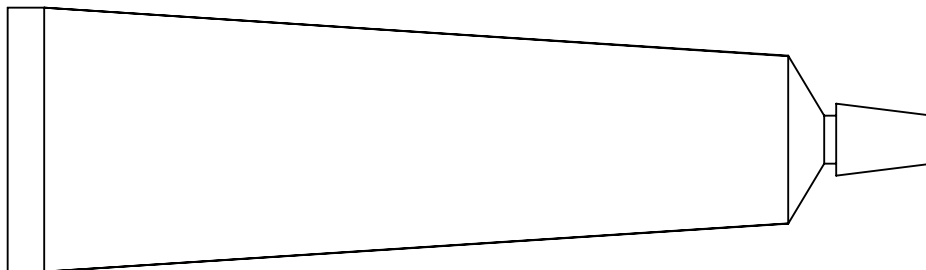
FAS0242
5/16-18 X 1.5 SST
HH SCREW
QTY BAG71794: 8
QTY BAG71801: 8



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:

19

FASTENERS USED

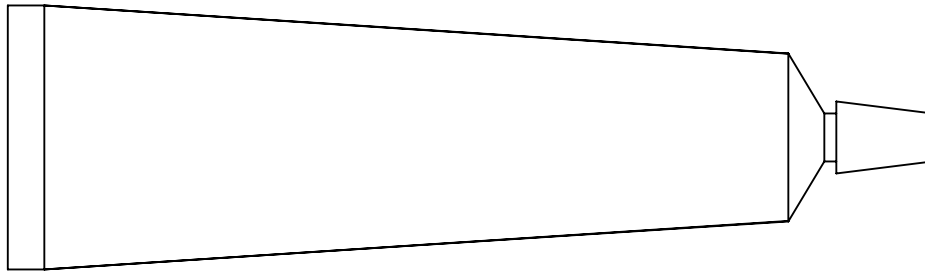
BAG REFERENCE: BAG76637



**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**

INTENTIONALLY LEFT BLANK

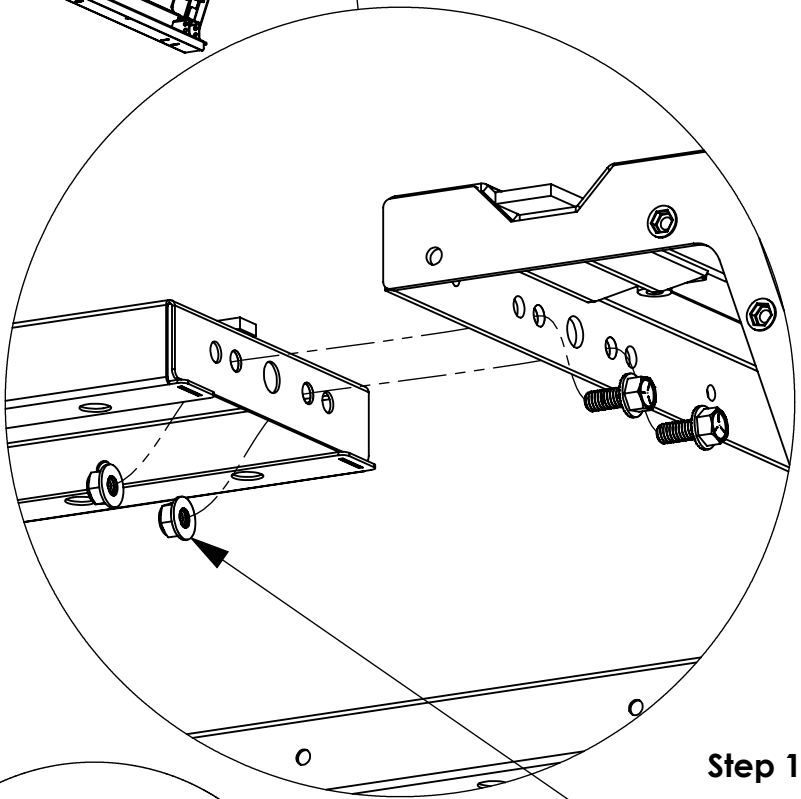
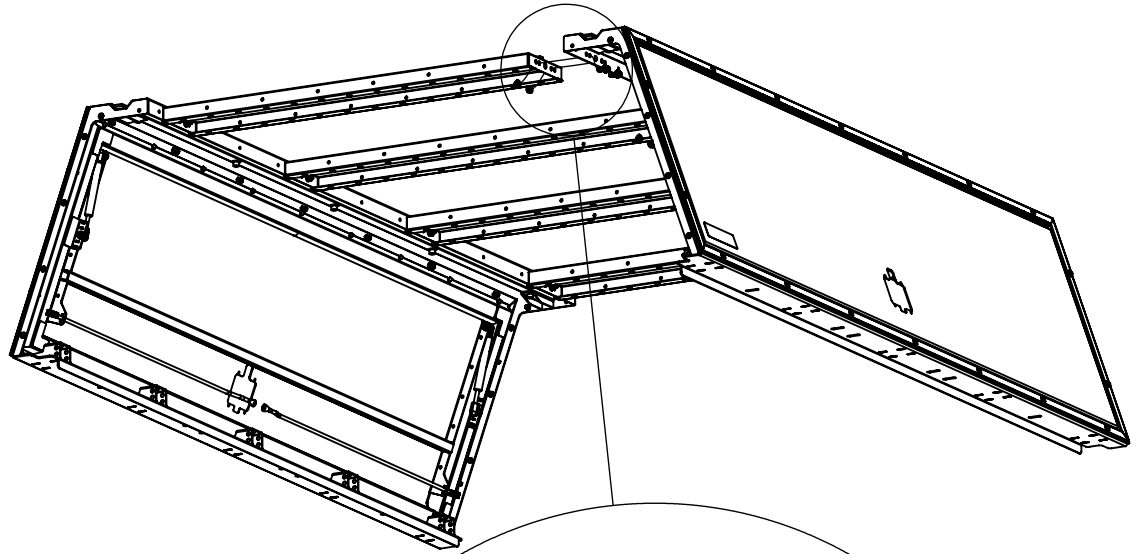
STEP 1 - ASSEMBLE BODY FRAME: SIDES AND CROSSBOWS

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

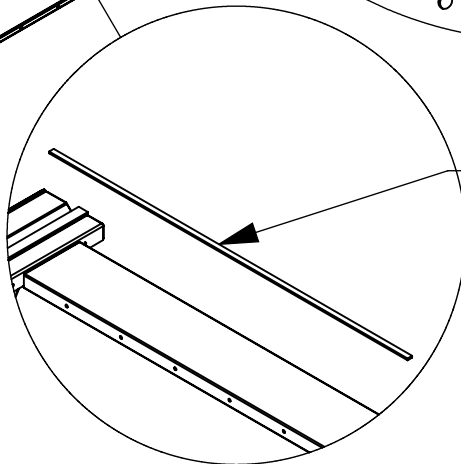
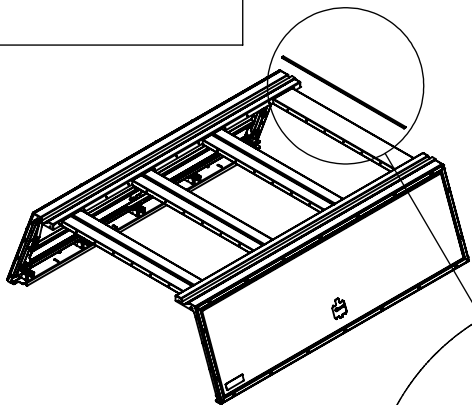
Step 1.4
ADD FOAM
STRIP 80402
TO THE
MIDDLE OF
EACH
CROSSBOW
(4 PLACES)



Step 1.3

NOTE: Nut
inboard

Step 1.4



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

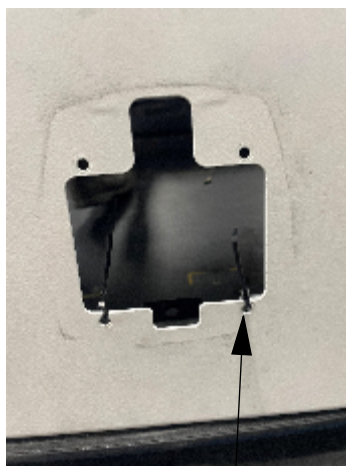
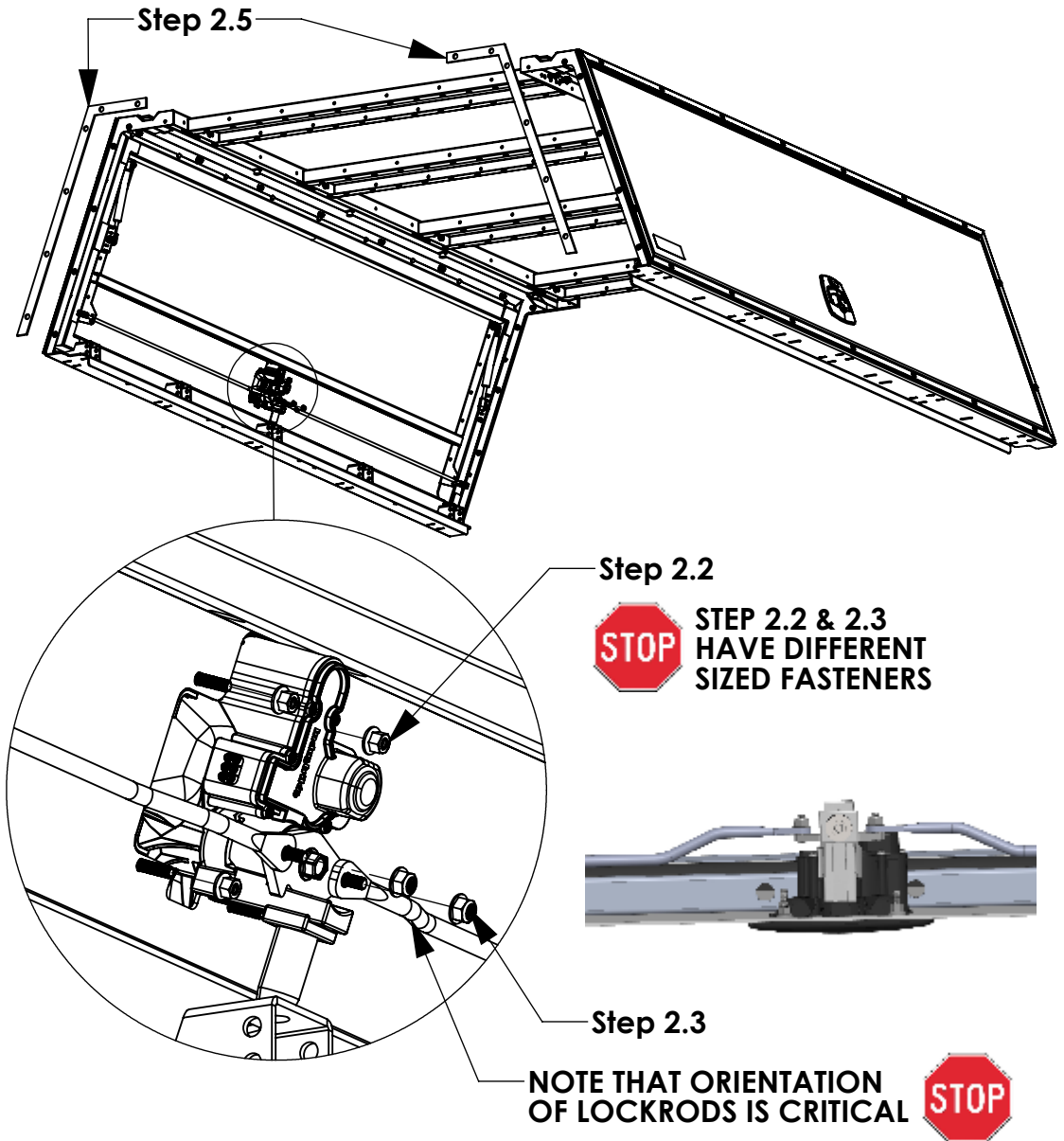
DO NOT
OVERTIGHTEN

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

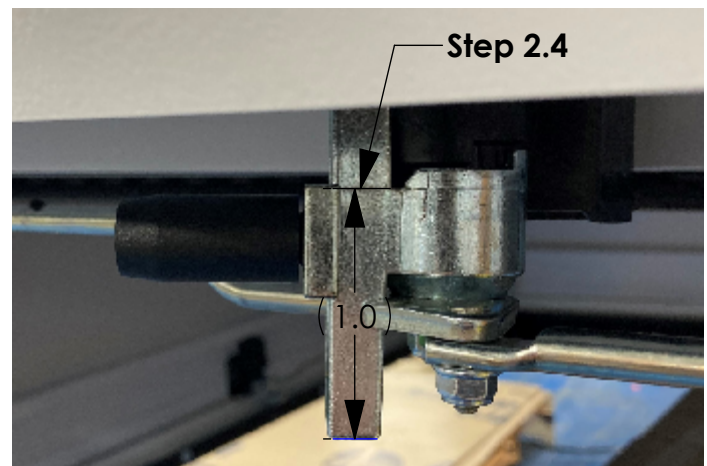
FULLY TIGHTEN
4mm ALLEN
(2 PLACES)

Step 2.5
APPLY FOAM
SEALS TO ALL
CORNERS.

USE HOLES IN
SEAL TO ALIGN
MATERIAL.



Step 2.1



STEP 3 - ATTACH FRONT PANEL

Step 3.1
OPEN TOPPER
CLOSURE KIT
[TCK78HM23W]

Step 3.2
ATTACH FRONT
PANEL

HAND TIGHTEN
FAS0234,
FAS0940
(10 PLACES)

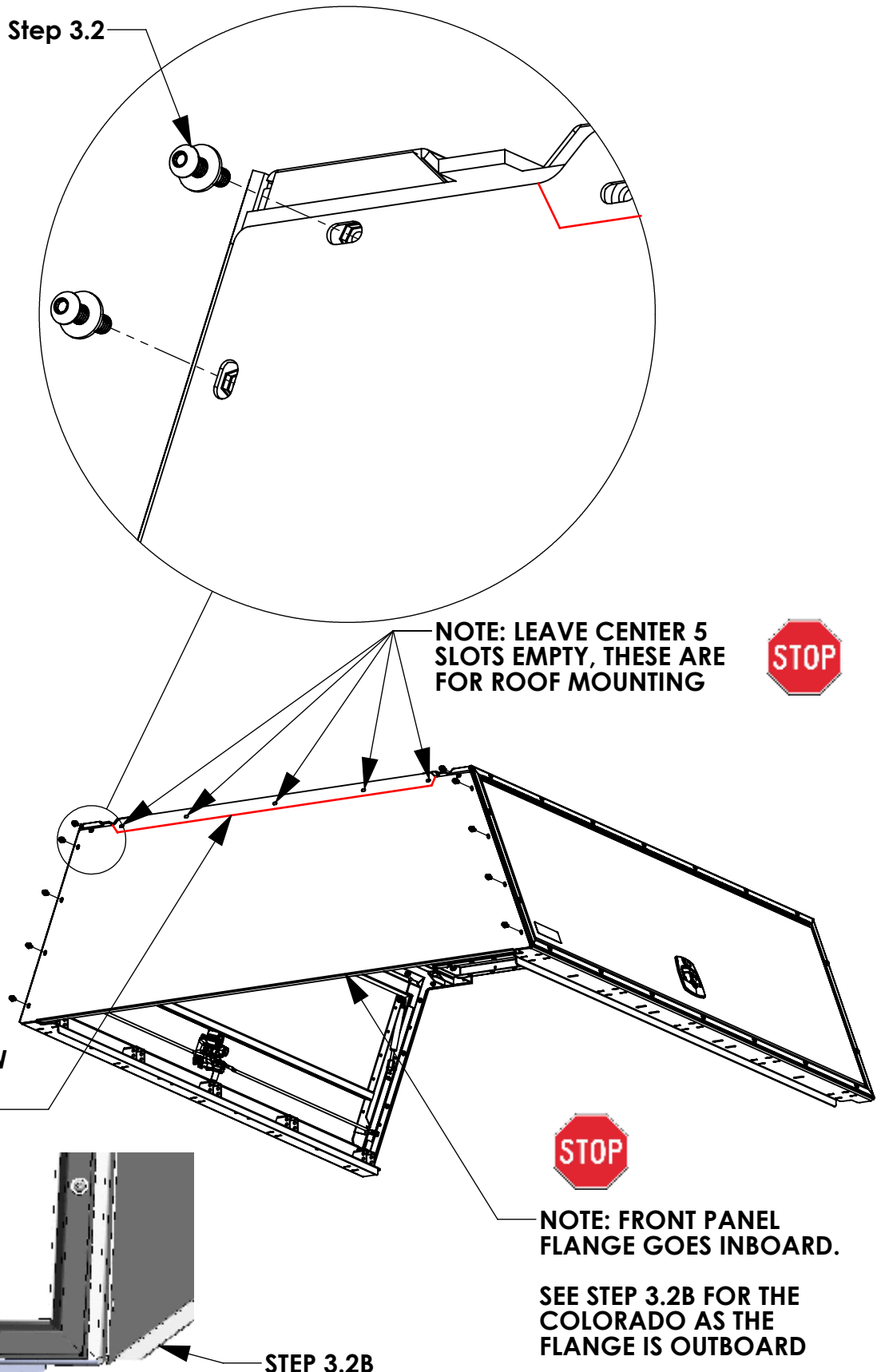
**DO NOT
TIGHTEN UNTIL
AFTER STEP 4**

Step 3.2B
COLORADO
FRONT PANEL
FLANGE IS
OUTBOARD

**DO NOT
TIGHTEN UNTIL
AFTER STEP 4**

**APPLY A STRIP OF
SILICONE THEN
RUNS THE LENGTH
OF THE FRONT
PANEL JUST BELOW
THE SCREWS**

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**

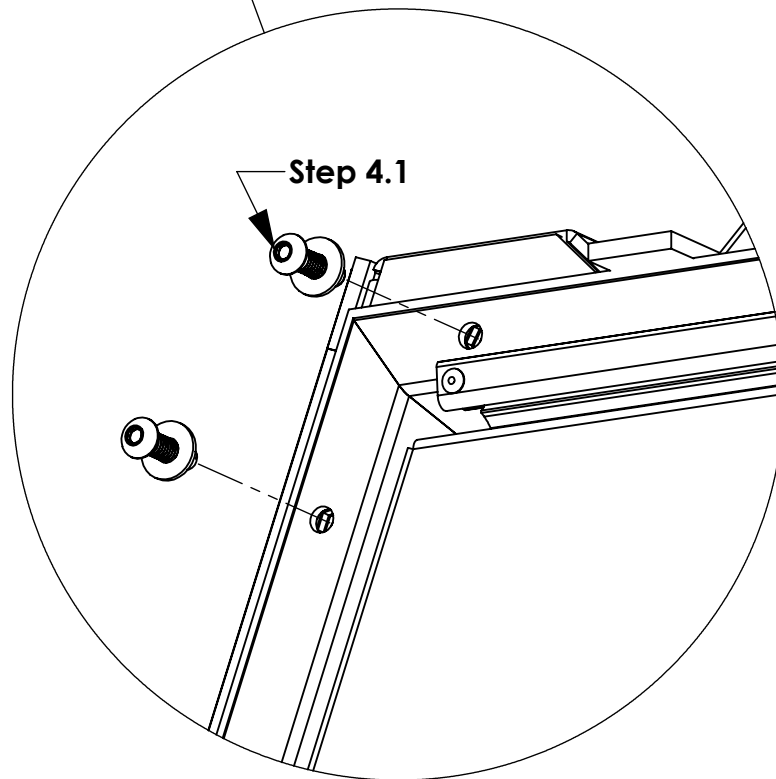
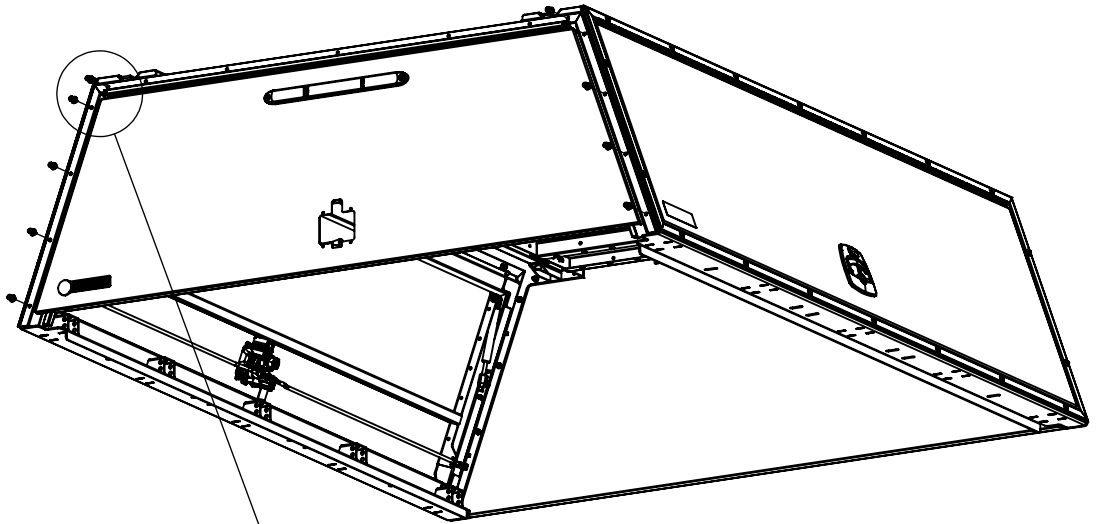
STEP 3.2B

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

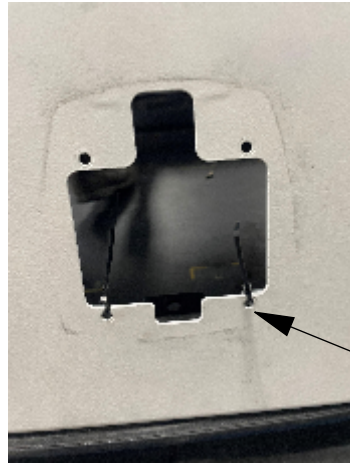
(10 PLACES)
5/32" ALLEN



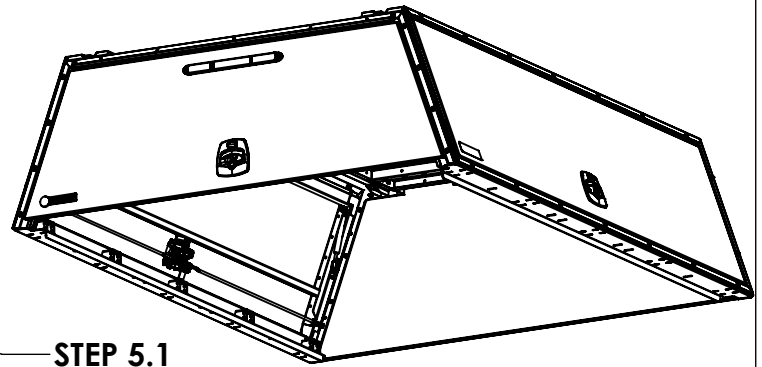
STEP 5 - ATTACH LIFTGATE HANDLE

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

!! CAUTION !!
DOOR MAY TRY
TO OPEN.



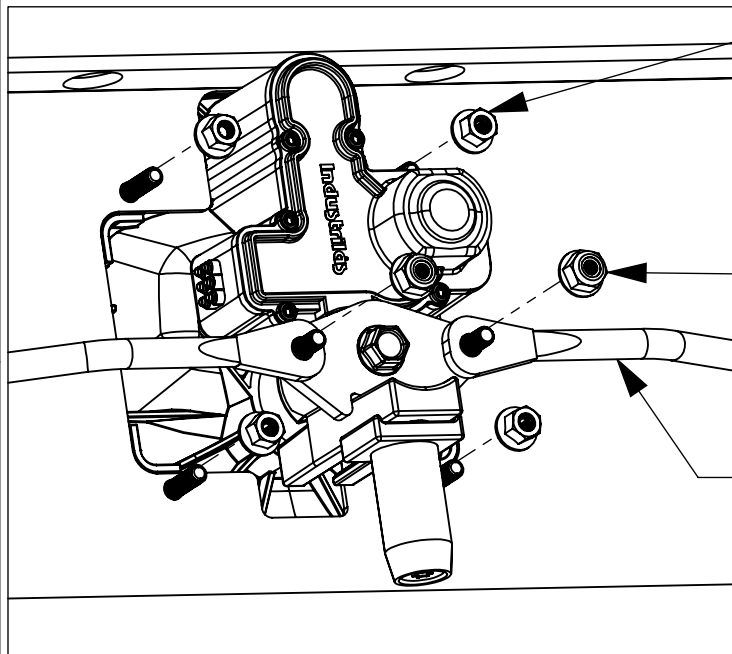
STEP 5.1



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

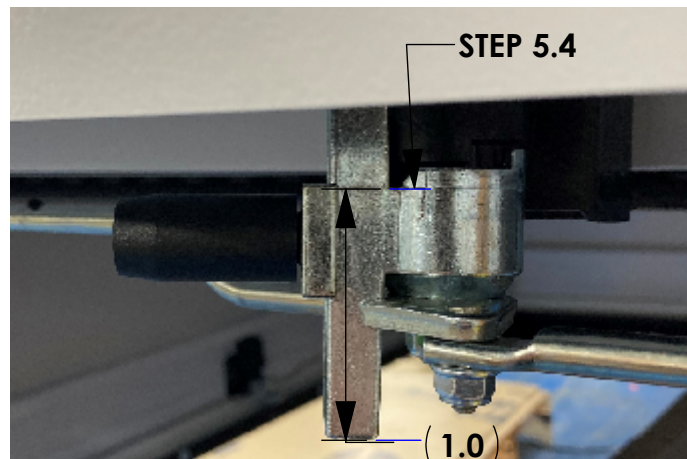
DO NOT
OVERTIGHTEN

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)

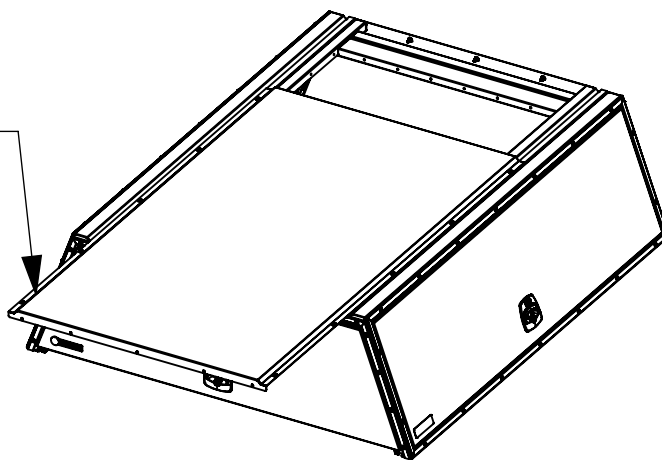
STEP 6 - ATTACH ROOF AND ROOF RAILS

Step 6.1
PLACE ROOF
PANEL ON
TOPPER BODY,
BUT SLID
FORWARD OF
FRONT PANEL TO
AVOID
REMOVING
SILICONE APPLIED
IN STEP 3. THEN
SLIDE ROOF
PANEL INTO
CORRECT
POSITION.



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

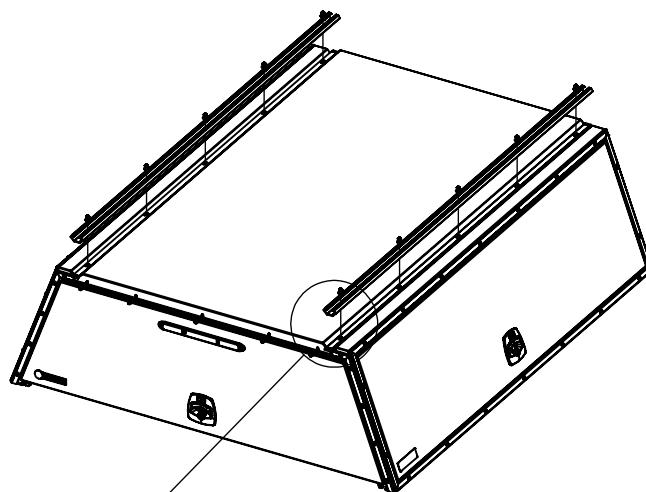
Step 6.1



Step 6.2
ATTACH
MOUNTING RAILS
TO TOPPER BODY.

USE AN
ALIGNMENT
PUNCH TO POKE
THROUGH SEALS

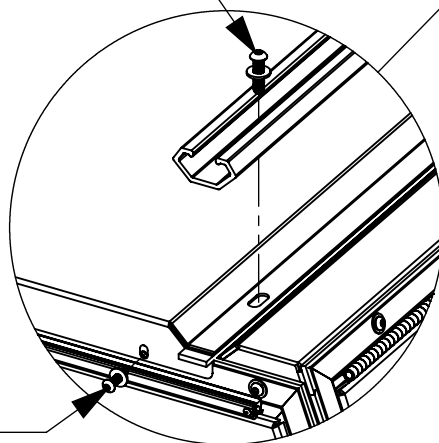
FULLY TIGHTEN
FAS0552,
FAS0919
(10 PLACES)
3/16" ALLEN



Step 6.2

Step 6.3
ATTACH ROOF
TO TOPPER
BODY.

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

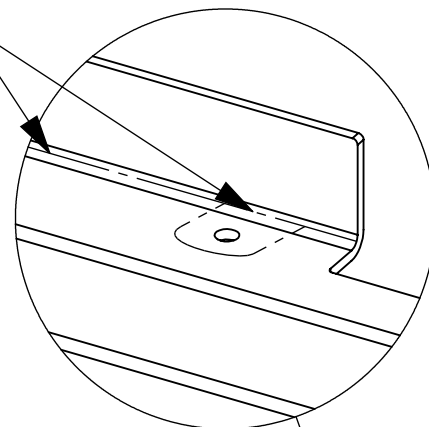


Step 6.3

STEP 7 - ATTACH TAILGATE COVER

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

Step 7.1
FULL LENGTH
OF THIS SEAM

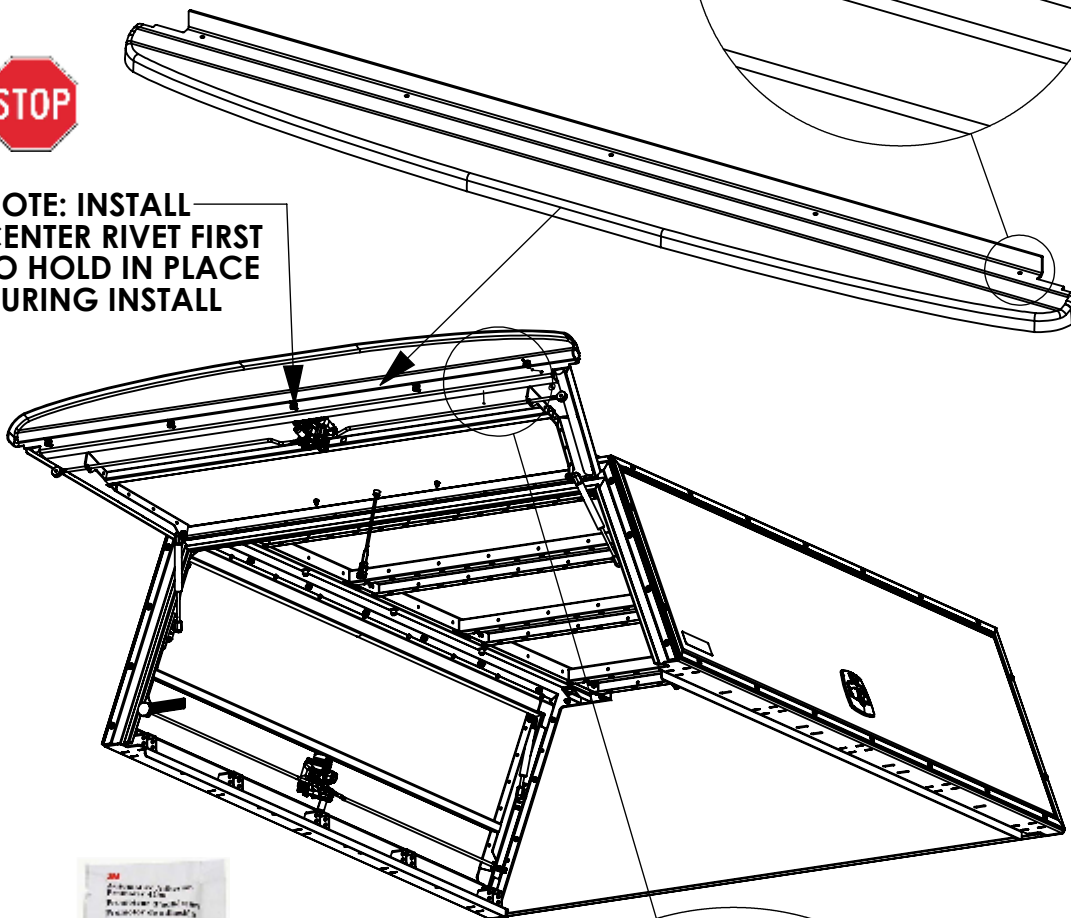


Step 7.2
ATTACH TAILGATE
COVER TO REAR
DOOR.

FULLY SECURE
FAS1014
(5 PLACES)

1/4" RIVET TIP

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



Step 7.3
COLORADO &
SILVERADO.
PREP WITH 57392
ADHESION
PROMOTER.

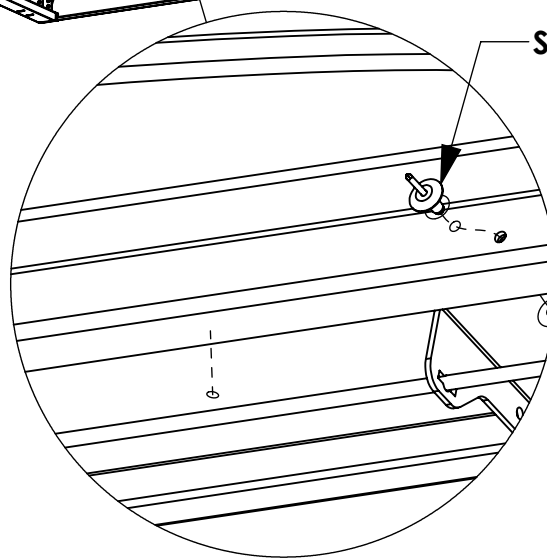
ADD 77152
D-SEAL X 22" LG
TO BOTH SIDE OF
TAILGATE COVER



Step 7.3
COLORADO &
SILVERADO



Step 7.2

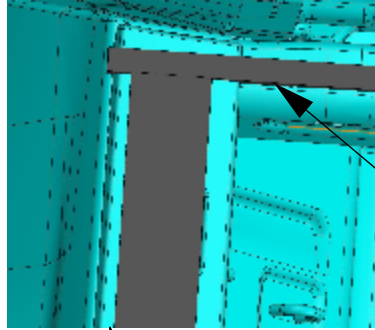


STEP 8 - ATTACH SEALS TO TRUCK BED

Step 8.1
INSTALL FRONT
BED SEAL. REFER
TO TABLE 1 TO
GET OEM
SPECIFIC
DISTANCE OFF
OF THE INSIDE
EDGE OF THE
BED. CENTER
BETWEEN THE
DRIVER AND
PASSENGER SIDE
BED RAIL TRIM.

TRIM OFF EXTRA,
IF NECESSARY.

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



**STEP 8.3
1/4" GAP**

Step 8.2

**STEP 8.3
AT FLAT**

**Step 8.1
DIST**

TOP VIEW

FRONT

**DRIVER'S
SIDE**

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

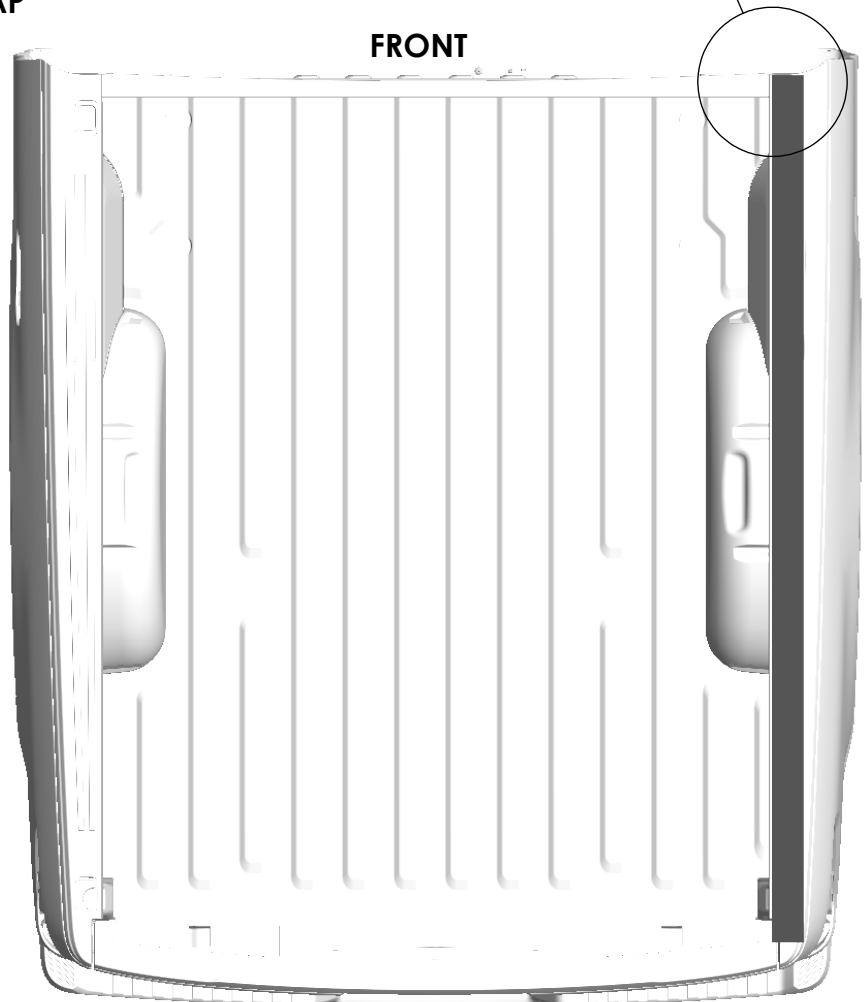
DO NOT TRIM
EXCESS UNTIL
TOPPER IS ON
THE TRUCK.

Step 8.3
**COLORADO
ONLY !**
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.

TABLE 1:

VEHICLE PLATFORM	DIST.
F-150	.875"
SILVERADO	0.25"
RAM	.15"



STEP 8 - ATTACH SEALS TO TRUCK BED (NOTE: FOR CHEVY SILVERADO ONLY)

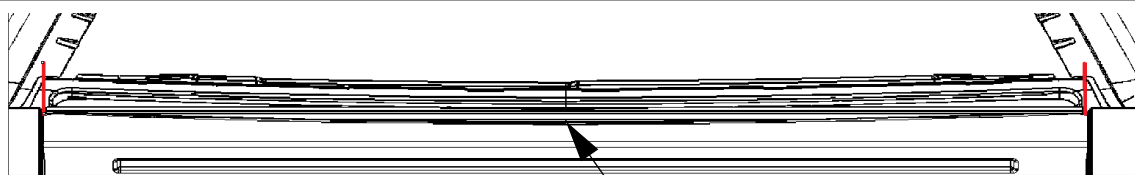
Step 8.4
PLACE 81456
GASKET IN THE
GAP BETWEEN
THE TRUCK BED
AND CAB.



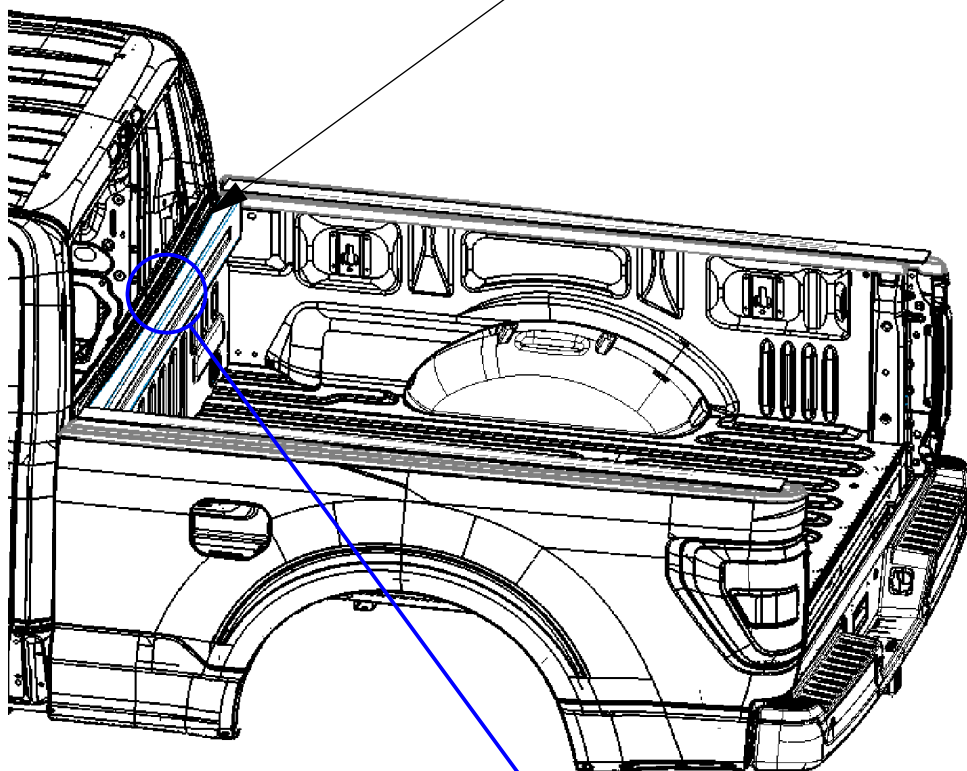
BEFORE
ATTACHING TO
TRUCK BED,
CLEAN AND PREP
AREA. DO NOT
ATTACH TO
PLASTIC TRIM. IF
TRIM IS ON
FRONT OF BED
ATTACH TO CAB.

ONCE AREA IS
PREPARED
CENTER GASKET
ON THE REAR
WINDOW.

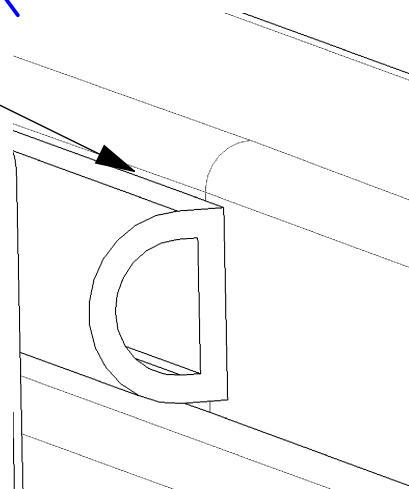
MAKE SURE THAT
GASKET HAS FULL
SURFACE
CONTACT SO
ADHESIVE WILL
PROPERLY BOND.



Step 8.4



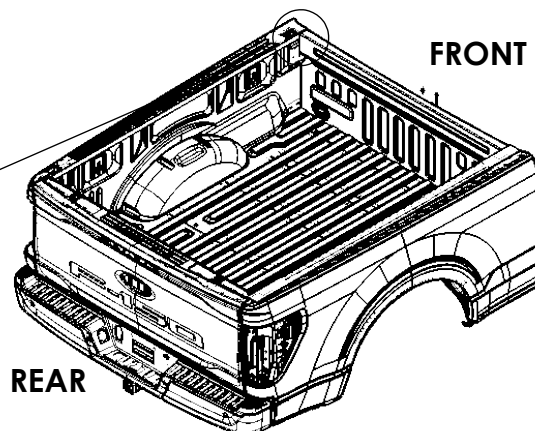
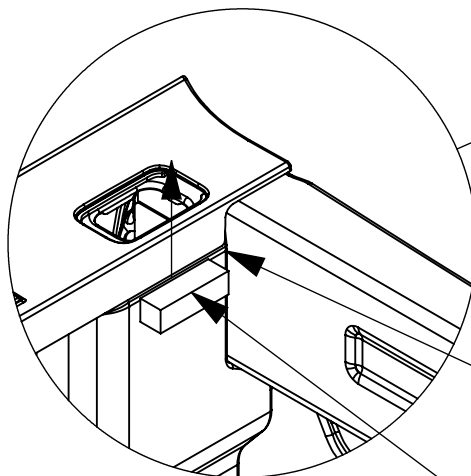
NOTE:
IF TRUCK BED HAS A SPRAY
ON BED LINER, PLACE
GASKET UNDER LINER ON
TRUCK BED



STEP 9A - INSTALL FOAM & 73740 SEALANT TO TRUCK CAB AND BED SEAMS (NOTE: FOR CHEVY SILVERADO ONLY)

STEP 9A.1
CUT A 2.5" FOAM PIECE OF 73398, INSERT UNDER TRIM OF THE BED RAIL, GOING INTO THE GAP AS SHOWN

STEP 9A.1

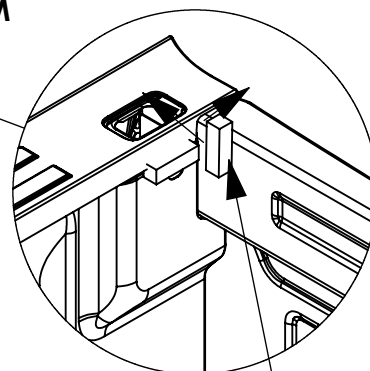
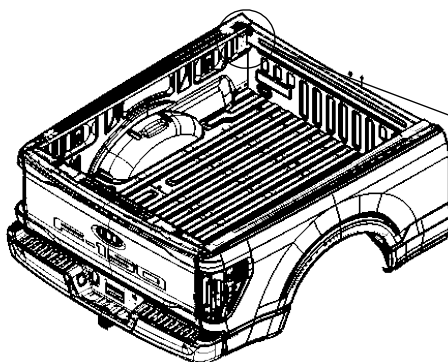


FRONT

REAR

THERE IS A GAP BETWEEN THE OEM BED AND TRIM (NOT SHOWN)

INSERT THE FOAM UNDER THE TRIM AND COVER THE GAP W/ THE FOAM



STEP 9A.2

INSERT THE 2ND PIECE OF FOAM PERPENDICULAR TO THE 1ST PIECE. FOLD OVER THE FOAM TO ALSO COVER THE GAP BETWEEN THE TRIM AND WALL RAIL

STEP 9A.3
SECURE BOTH PIECES OF FOAM IN PLACE WITH 3M SEALANT AROUND THE PERIMETER AND FILL ANY REMAINING GAPS, REPEAT ON PASSENGER SIDE



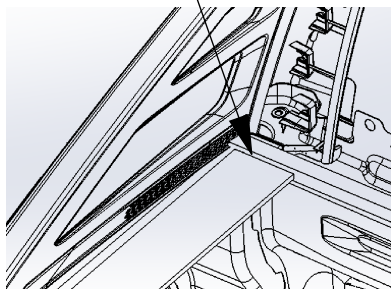
STEP 9A.3

ADD 3M SEALANT AROUND THE PERIMETER OF THE FOAMS, BETWEEN THE RAIL TRIM & THE BED, & REPEAT ON PASSENGER SIDE

STEP 9B - INSTALL FOAM TO TRUCK CAB AND BED SEAMS (NOTE: FOR CHEVY SILVERADO EV ONLY)

STEP 9B.1
PLACE FOAM
AROUND TOP
OF BED RAILS,
STRIPS WILL
BUTT UP
AGAINST EACH
OTHER AT
CORNERS

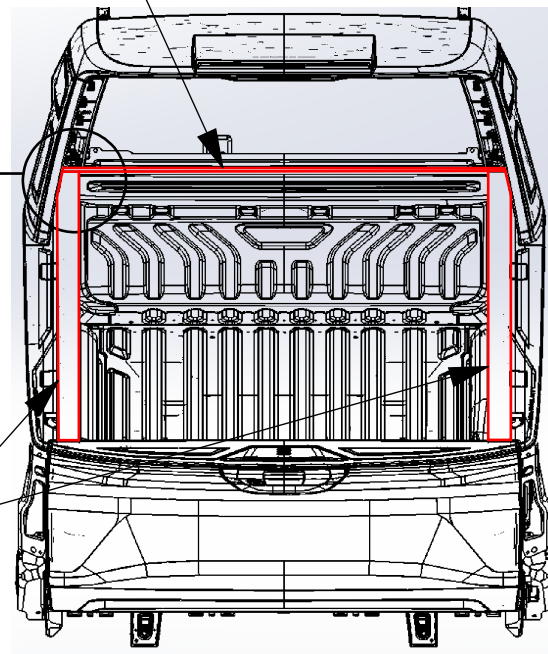
STEP 9B.1



NOTE:
LOCATE DRAIN HOLES AND
TRIM FOAM AROUND THEM,
TO MAKE SURE HOLES AREN'T
BEING BLOCKED

71766

FRONT



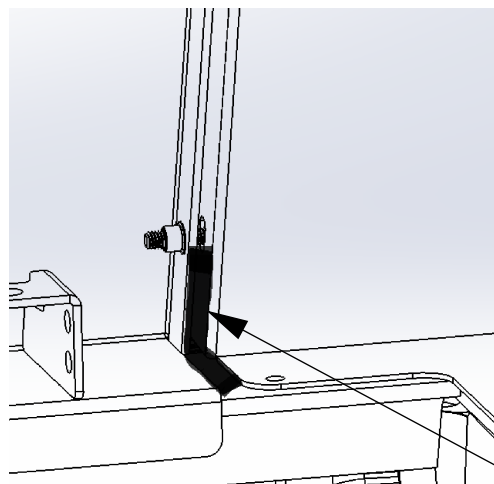
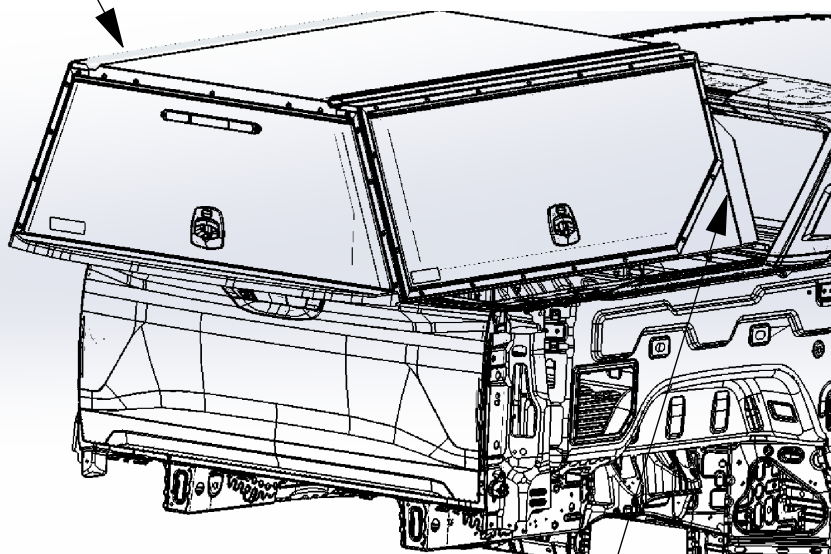
71768

STEP 9B.2
WHEN PLACING
TOPPER ON BED,
TOPPER WILL
NEED TO BE
BROUGHT IN
LOW AND THEN
MOVED
FORWARD TO FIT
INSIDE TRUCK
TRIM. (AS
SHOWN)

STEP 9B.3
WITH TOPPER IN
PLACE EXCESS
TRIM

STEP 9B.2

REAR



NOTE:
WHEN TOPPER IS IN PLACE USE
SILICONE INSIDE OF TOPPER TO
SEAL GAPS AT FRONT OF TOPPER .
(AS SHOWN)

STEP 9C - INSTALL FOAM, (6) SPACER & 73740 SEALANT TO TRUCK CAB AND BED SEAMS (NOTE: FOR FORD RANGER ONLY)

STEP 9C.1
REMOVE PLUGS
LOCATED ON
THE TRUCK BED
RAIL,



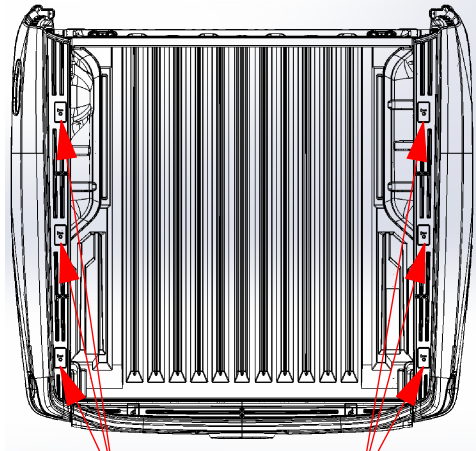
**DO NOT DRILL
INTO THE RAIL**

STEP 9C.2
CENTER
(6) SPACERS
OVER HOLE,
TAPE SPACER TO
HOLD IT IN THE
LOCATION

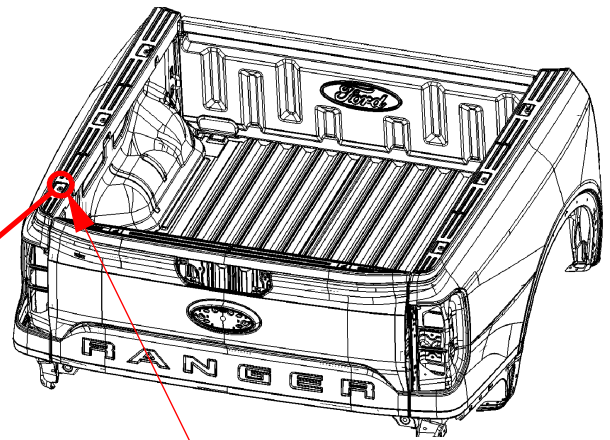
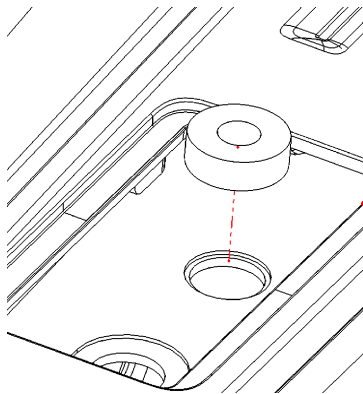
NOTE:
TALL SPACERS
TO BE USED
WITH 2025
MODELS,

**SHORT SPACERS
TO BUT USED
WITH 2026 OR
NEWER MODELS**

STEP 9C.3
PLACE FOAM
AROUND TOP OF
BED RAILS, STRIPS
WILL BUTT UP
AGAINST EACH
OTHER AT
CORNERS



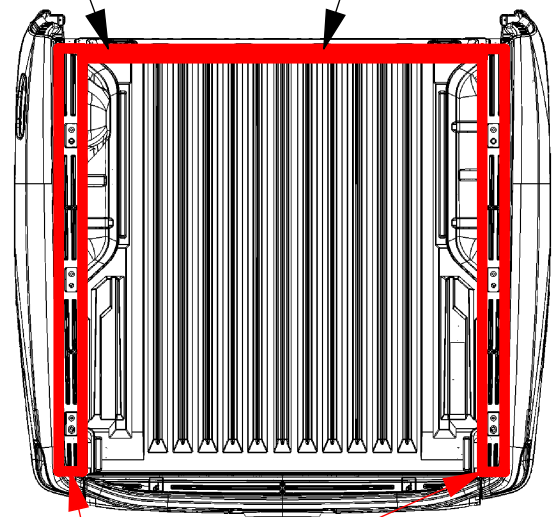
STEP 9C.1



STEP 9C.2

STEP 9C.3

71766



71768



NOTE:
BEFORE INSTALL PREP IS STARTED,
IF RANGER MODEL YEAR IS 2024, MAKE SURE
THAT LOAD BOX REINFORCEMENT BRACKETS
HAVE BEEN INSTALLED. SCAN QR CODE FOR
DOCUMENTED DIRECTION

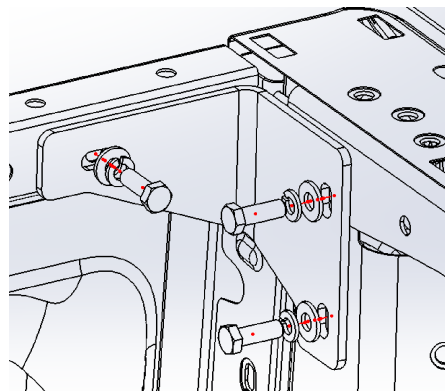


STEP 9C - INSTALL FOAM, (6) SPACER & 73740 SEALANT TO TRUCK CAB AND BED SEAMS (NOTE: FOR FORD RANGER ONLY)

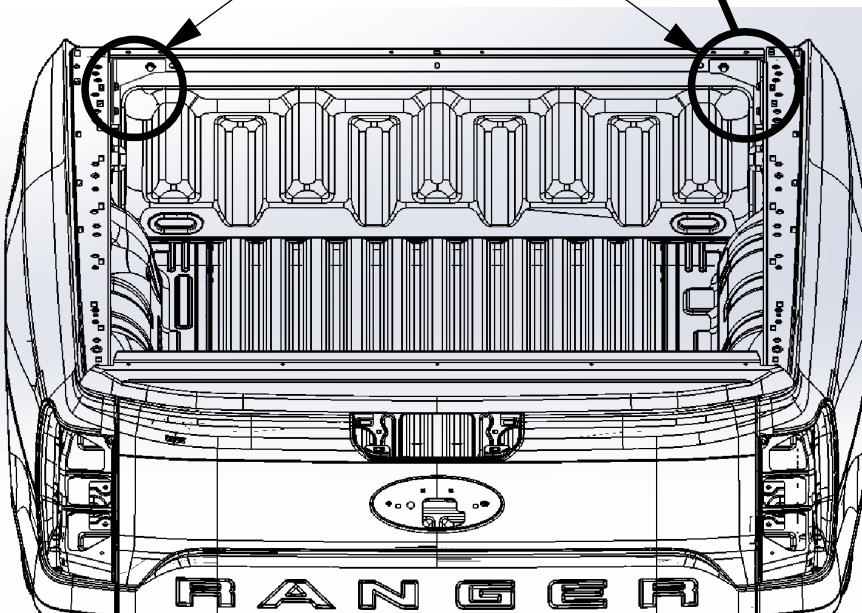
STEP 9C.4
SLIDE 80670 &
80671 UNDER
TRIM AT FRONT
CORNERS OF
BED TO MOUNT
TO OEM HOLES,
FULLY TIGHTEN
(6)FAS0329,
(6)FAS0552, &
(6)FAS0588

**M8 SOCKET
DRILL**

NOTE:
TRIM IS NOT VISIBLE FOR
CLARITY



STEP 9C.4



NOTE:
BEFORE INSTALL PREP IS STARTED,
IF RANGER MODEL YEAR IS 2024, MAKE SURE
THAT LOAD BOX REINFORCEMENT BRACKETS
HAVE BEEN INSTALLED. SCAN QR CODE FOR
DOCUMENTED DIRECTION



STEP 10 - ATTACH TOPPER TO TRUCK BED

NOTE: (FOR 8.0' 26" TALL RAM 1500, 2500, 3500 ONLY) TOPPER MUST BE SOFT INSTALLED TO MARK FOR DRILLING. TOPPER TO BE REMOVED PRIOR TO DRILLING.

Step 10.1
SET TOPPER ONTO TRUCK BED. ALIGNMENT IS BASED OFF OF THE TAILGATE CLEARANCE CUTOUT IN THE SIDE BED RAILS (FOR FORD ONLY) AND PLACE ON THE PREVIOUSLY INSTALLED FRONT BED SEAL STEP 8.1

THESE 2 FACES SHOULD BE ALIGNED.

Step 10.2
USE HOLES IN THE BED RAIL TO MARK AND DRILL MOUNTING LOCATIONS. IT IS NOT NECESSARY TO REMOVE THE TOPPER FOR THIS STEP.

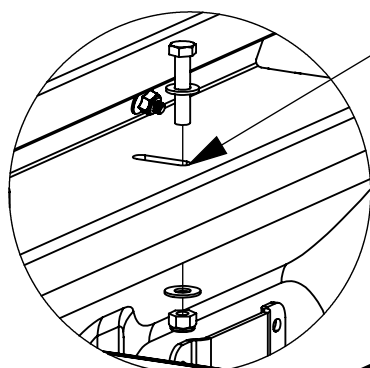
(8 PLACES)
1 1/32" DRILL BIT



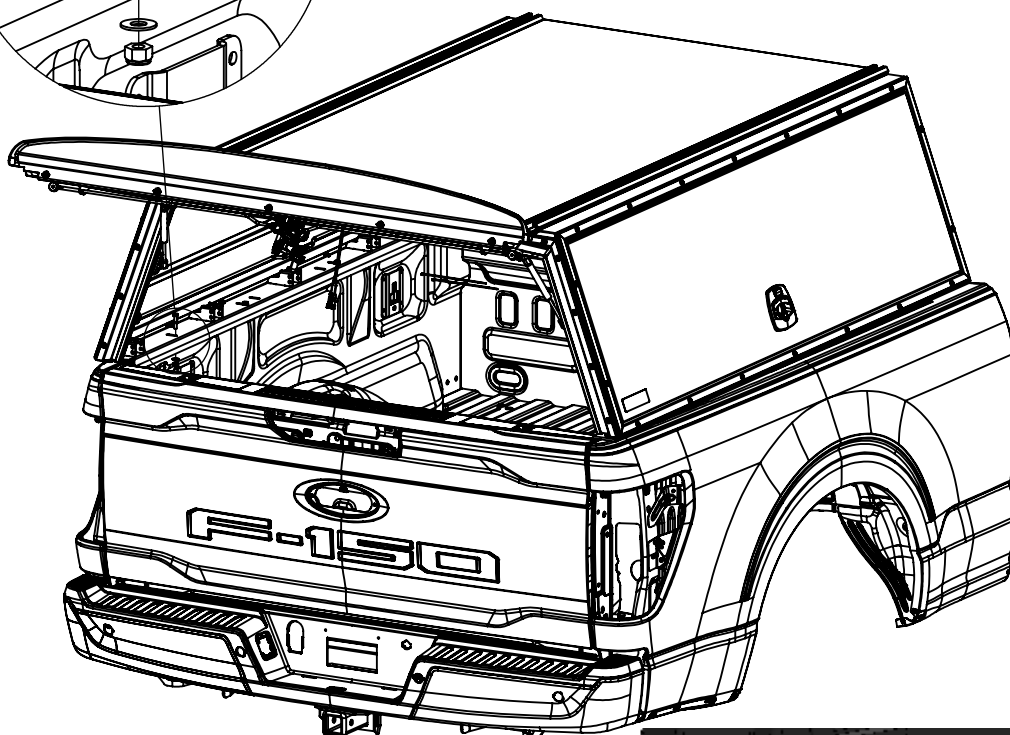
NOTE: IF THESE HOLES INTERFERE WITH THE OEM BODY, DRILL A NEW HOLE IN THE BED RAIL +/- 2" FROM THE INTERFERENCE.

NOTE: IT IS RECOMMENDED THAT YOU LOAD THE TOPPER ONTO A TRUCKBED WITH ONE OF THE FOLLOWING METHODS:

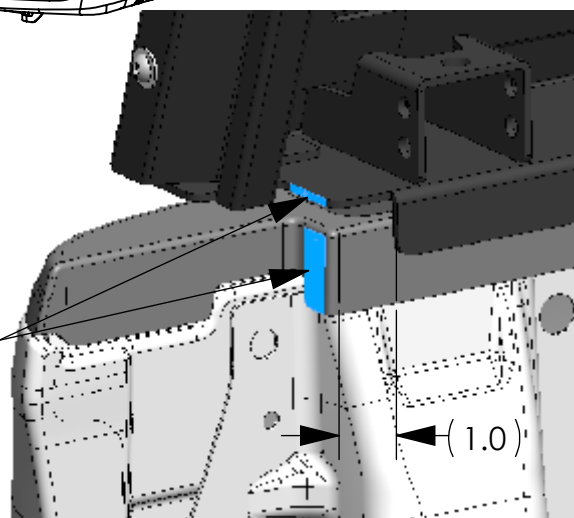
- HOIST: ATTACH TO THE ROOF RAILS OF THE TOPPER
- FORKLIFT: OPEN THE REAR DOOR AND SET FORKS ON THE ROOF BOWS
- MANUAL: HAVE 1 INDIVIDUAL AT EACH CORNER OF THE TOP AND CARRY OVER THE SIDES OF THE TRUCK. DO NOT SCRATCH THE VEHICLE.



Step 10.2



Step 10.1



STEP 10 ALT- ATTACH TOPPER TO TRUCK BED

NOTE: (FOR 5.0' FORD RANGER ONLY) TOPPER MUST BE SOFT INSTALLED TO MARK FOR DRILLING. TOPPER TO BE REMOVED PRIOR TO DRILLING.

Step 10.1 ALT
SET TOPPER ONTO TRUCK BED.
ALIGNMENT IS BASED OFF OF THE TAILGATE CLEARANCE CUTOUT IN THE SIDE BED RAILS (FOR FORD ONLY) AND PLACE ON THE PREVIOUSLY INSTALLED FRONT BED SEAL STEP 8.1

THESE 2 FACES SHOULD BE ALIGNED.

Step 10.2 ALT
USE HOLES IN THE BED RAIL TO MARK AND DRILL MOUNTING LOCATIONS. IT IS NOT NECESSARY TO REMOVE THE TOPPER FOR THIS STEP.

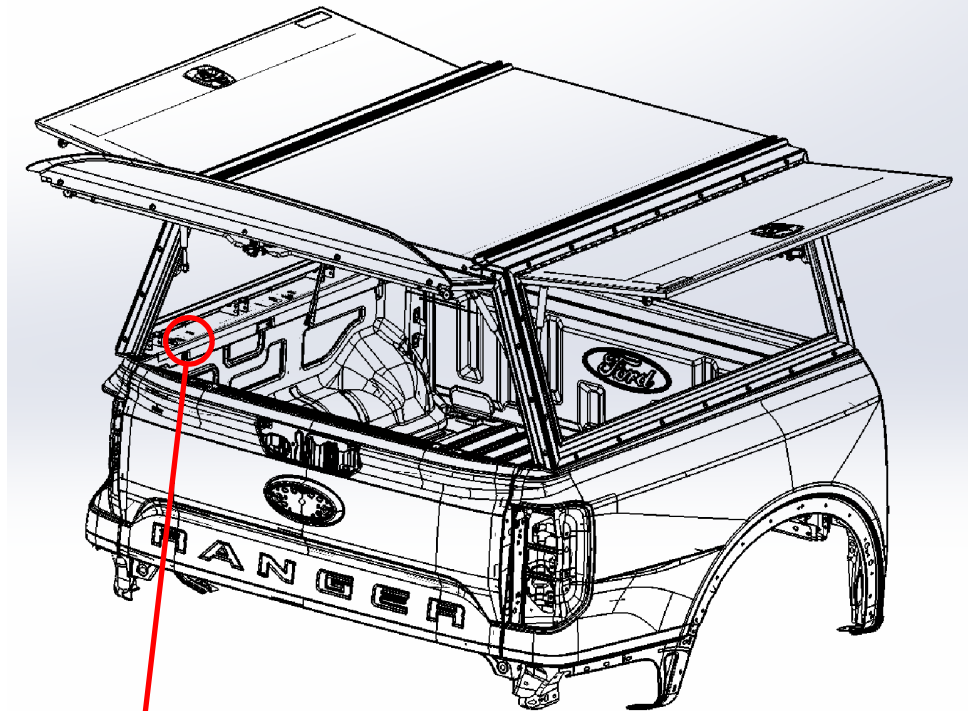
(8 PLACES)
11/32" DRILL BIT



NOTE: IF THESE HOLES INTERFERE WITH THE OEM BODY, DRILL A NEW HOLE IN THE BED RAIL +/- 2" FROM THE INTERFERENCE.

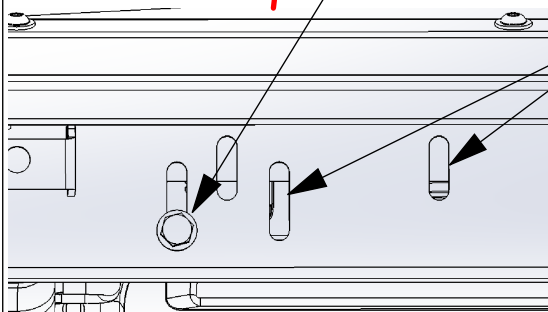
NOTE: IT IS RECOMMENDED THAT YOU LOAD THE TOPPER ONTO A TRUCKBED WITH ONE OF THE FOLLOWING METHODS:

- HOIST: ATTACH TO THE ROOF RAILS OF THE TOPPER
- FORKLIFT: OPEN THE REAR DOOR AND SET FORKS ON THE ROOF BOWS
- MANUAL: HAVE 1 INDIVIDUAL AT EACH CORNER OF THE TOP AND CARRY OVER THE SIDES OF THE TRUCK. DO NOT SCRATCH THE VEHICLE.



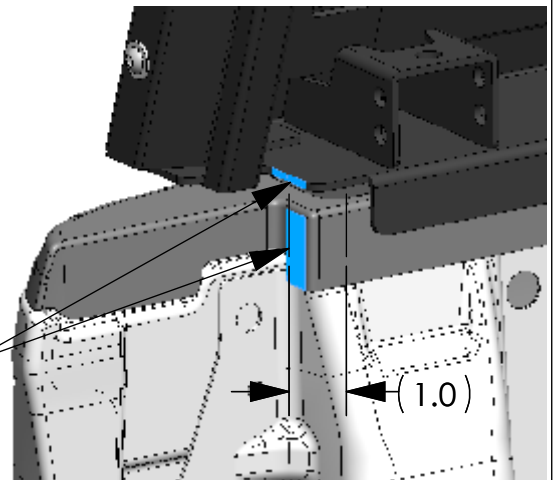
Step 10.2 ALT

NOTE:
OUTER SLOTS ARE TO BE USED WITH 2026 FORD RANGER
INNER AND SMALLER SLOTS TO BE USED WITH 2025 FORD RANGER



NOTE:
OVERHEAD VIEW FOR CLARITY

Step 10.1



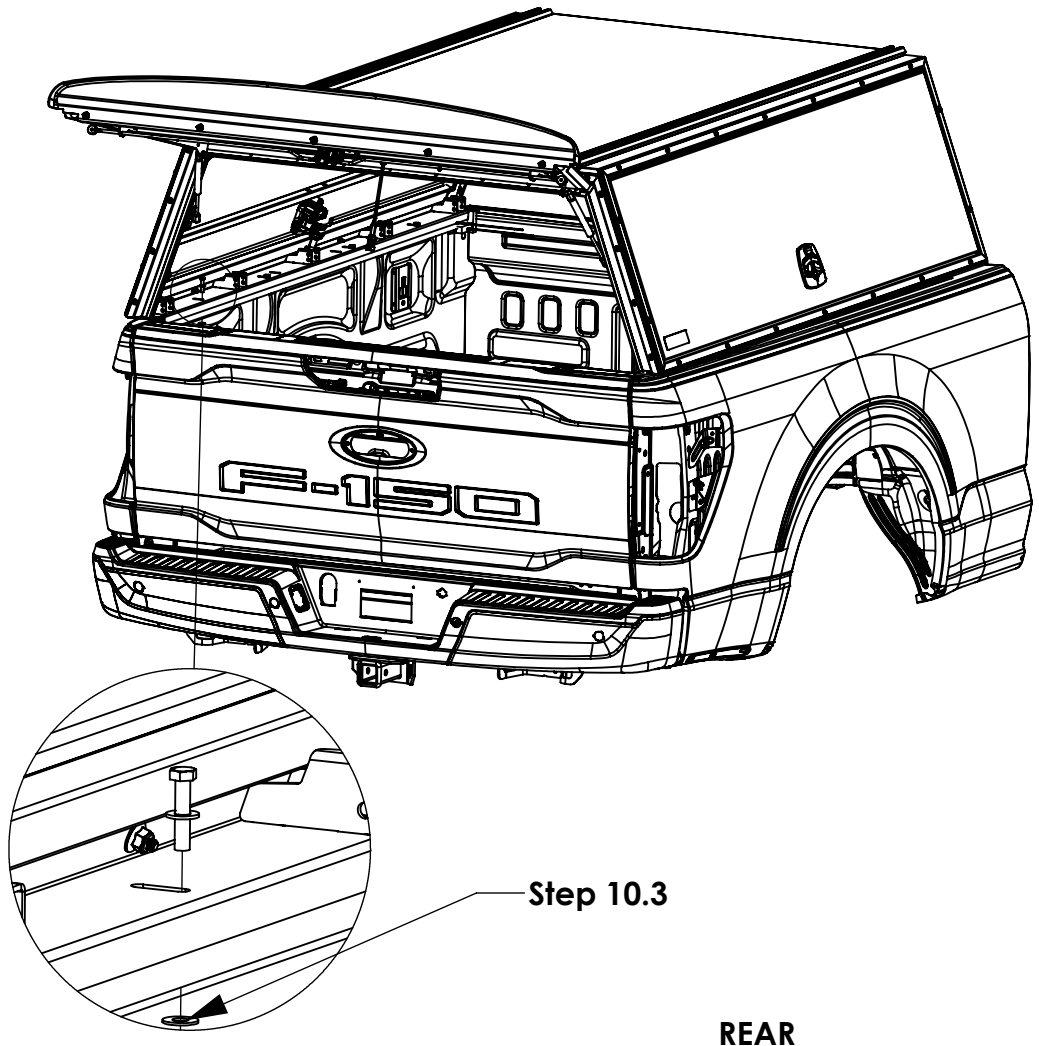
STEP 10 - ATTACH TOPPER TO TRUCK BED

NOTE: (FOR 8.0' 26" TALL RAM 1500, 2500, 3500 ONLY) TOPPER MUST BE SOFT INSTALLED TO MARK FOR DRILLING. TOPPER TO BE REMOVED PRIOR TO DRILLING.

Step 10.3
USING THE HOLES
YOU JUST DRILLED
OUT, FASTEN THE
TOPPER TO THE
TRUCK BED.
FAS0242,
FAS0552 [x2],
FAS0248

(8 PLACES)
1/2" SOCKET
1/2" WRENCH

Step 10.4
ADD TO BOTH
SIDES SILICONE
BETWEEN FRONT
PANEL GAP AND
BED RAIL, AND
REAR OF TOPPER.

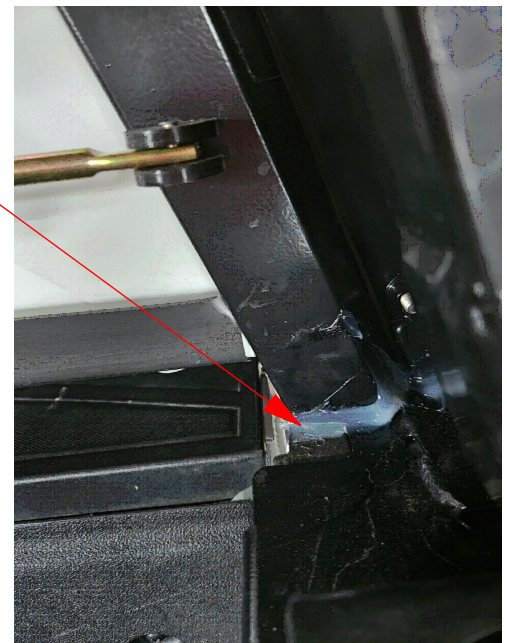


FRONT

REAR



Step 10.4



MAKE SURE ALL FASTENERS ARE TIGHTENED!! INSTALLATION IS COMPLETE

STEP 10 (CON'T) - ATTACH TOPPER TO TRUCK BED

NOTE: (FOR 8.0' 26" TALL RAM 1500, 2500, 3500 ONLY) TOPPER MUST BE SOFT INSTALLED TO MARK FOR DRILLING. TOPPER TO BE REMOVED PRIOR TO DRILLING.

Step 10.4
COLORADO
TOPPER.
ALIGNMENT IS
BASED OFF OF
THE TAILGATE
AND THE SIDE BED
RAILS.

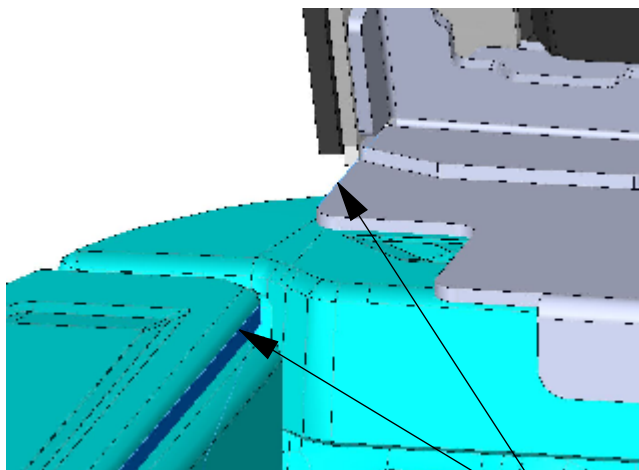
THESE 2 FACES
SHOULD BE
ALIGNED.

Step 10.5
USING THE HOLES
YOU JUST DRILLED
OUT, FASTEN THE
TOPPER TO THE
TRUCK BED.
FAS0242,
FAS0552 [x2],
FAS0248

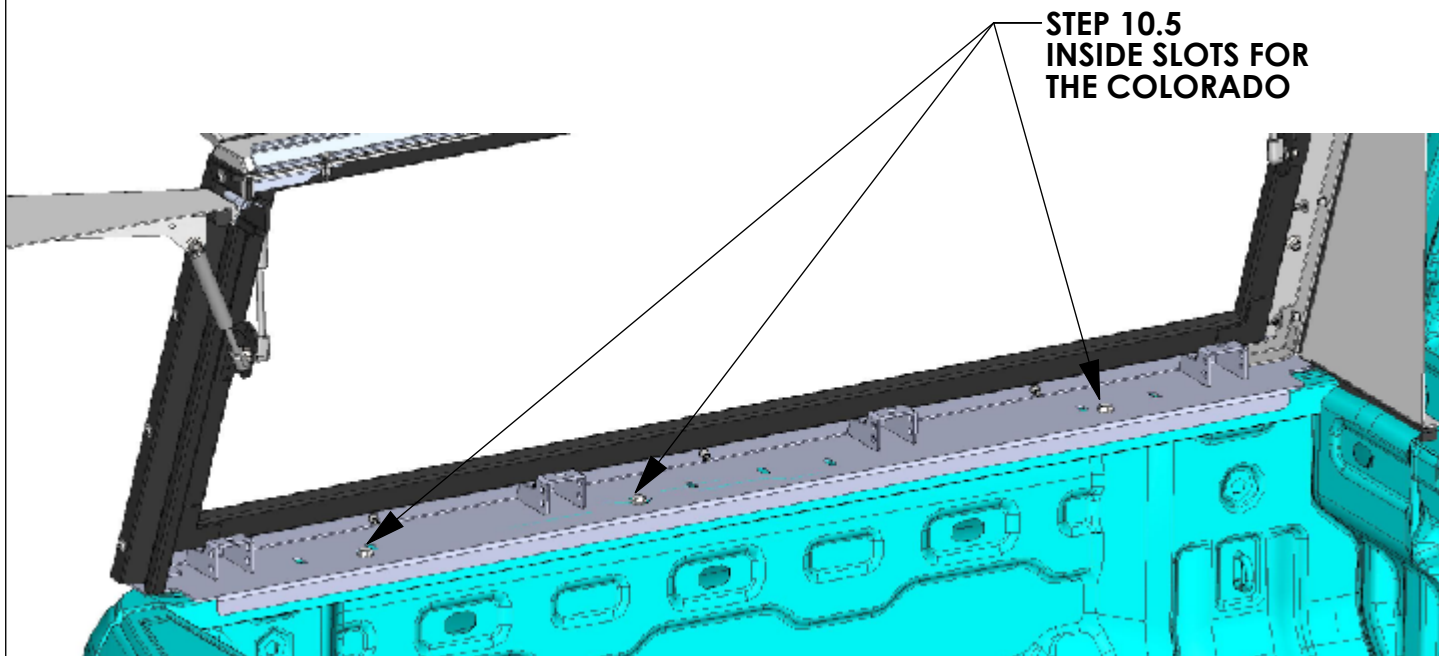
(6 PLACES)
1/2" SOCKET
1/2" WRENCH

NOTE: IT IS RECOMMENDED THAT YOU LOAD THE TOPPER ONTO A TRUCKBED WITH ONE OF THE FOLLOWING METHODS:

- HOIST: ATTACH TO THE ROOF RAILS OF THE TOPPER
- FORKLIFT: OPEN THE REAR DOOR AND SET FORKS ON THE ROOF BOWS
- MANUAL: HAVE 1 INDIVIDUAL AT EACH CORNER OF THE TOP AND CARRY OVER THE SIDES OF THE TRUCK. DO NOT SCRATCH THE VEHICLE.



Step 10.4
IN LINE



MAKE SURE ALL FASTENERS ARE TIGHTENED!! INSTALLATION IS COMPLETE

Introduction / Comments:

Install Instructions Brake Light Topper-Ford Lightning

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.



Installation Instructions Topper 3rd Brake Light - Ford Lightning

Routing Overview



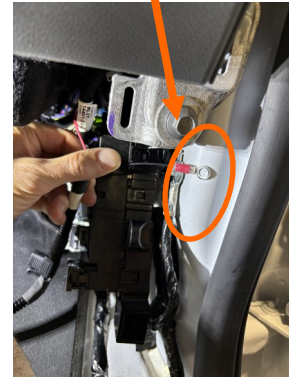
Grommet at end of truck bed for harness to run through



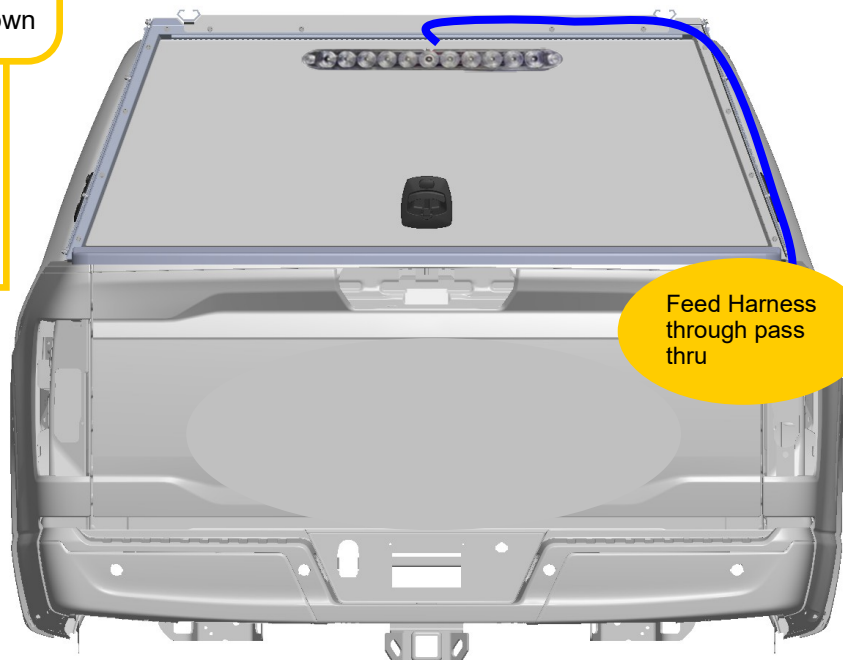
View from passenger side topper door—looking down



CHMSL Circuit OEM Wire. Gray/Orange Wire



Self Tapper Into Sheet Metal



Feed Harness through pass thru

Color	Key - Items
Orange	Power and Ground Location
Blue	Harness Routing
Yellow	Bed Wire Pass Thru



Step 1: Locate the brake light harness 71680.

Remove the fuse from the inline fuse holder until the end of the install.

Open the passenger side door. Remove the trim panels circled in red.



Step 2:

Locate the body control module on the righthand side of the vehicle body. There will be 3 connectors with one of them being brown.

Locate the brown connector (C211), pin 3. This wire will be Gray / Orange. This is the BOO (Break On/Off) circuit wire for the brake light. Use a meter to be sure this is the correct wire (OEM's tend to change wire colors).

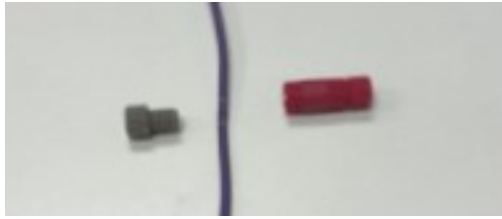
Separate the wire from the bundle (by your finger or a trim tool) to prepare it to be connected with the brake light harness.

Locate the posi-tap in the brake light harness bag.



Posi-tap

The red wire in the pictures is referencing the brake light harness.
The blue wire in the picture is referencing the OEM brake light signal wire.

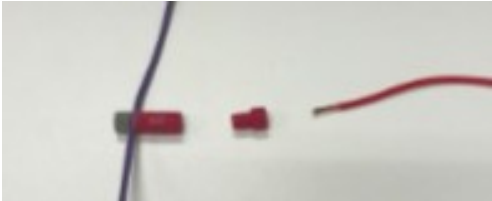


Step 3: Remove the grey cap on the posi-tap.

Push the OEM brake signal wire into the insert on the grey cap.



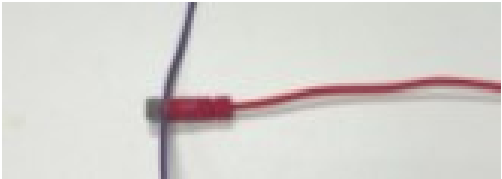
Twist the grey cap back onto the posi-tap with the OEM wire secured. The pin point on the posi-tap will puncture the OEM wire and obtain the signal.



Remove the red cap on the posi-tap.



Insert the blunt cut end of the brake light harness through the red cap.

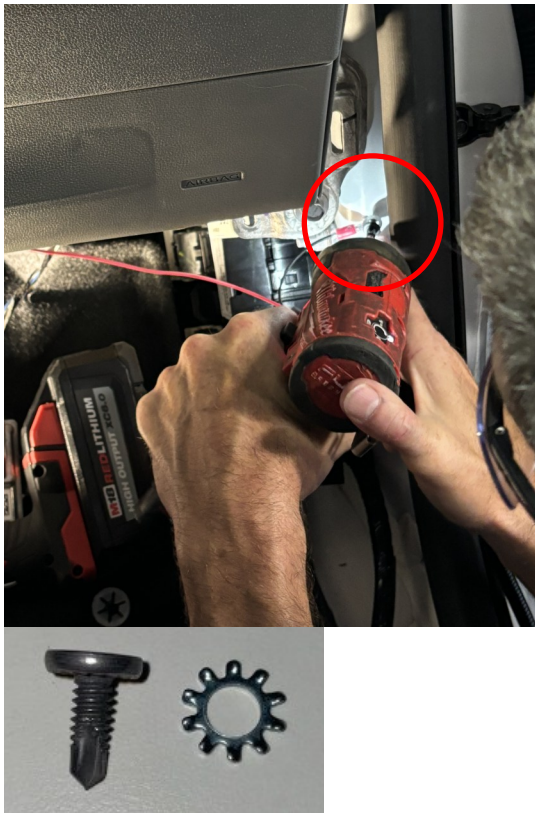


Twist the cap back onto the posi-tap with the brake light harness secured.



The picture to the left is the actual installed posi-tap onto the OEM wire.

Be sure the connection is secure.



Step 4: On the passenger's side: locate the cut outs for the trim panels in the sheet metal near the OEM chassis ground.

Locate the cut out that is higher on the frame than the OEM ground, shown in the picture to the left.

Locate the fastener bag BAG72914 and find the small tek screw and the star washer.

Insert the ring terminal through the star washer then through the ground ring terminal on the brake light harness.

Screw the tek screw into the frame like shown in the picture to the left.

Be sure not to over tighten or under tighten the screw. Be sure there is a good connection by checking the connectivity of the ground with a multimeter. You can do this seeing if there is a resistance (Setting " Ω " on meter) between the OEM copper ground and the new ring terminal.



Step 5: Once good connection to ground has been made, start routing the harness inside the trim near the door towards the backseat of the vehicle.

Ensure the harness is completely tucked and secured under trim supports so that wires are not pinched once trim pieces are reinstalled

Use the image to the left as reference.



Step 6: Once Harness 71905 has been routed to the backseat remove the trim piece shown to the left to access the gray plastic cover under the seat that we will be routing our Harness through. Plastic cover circled in red.

Use a step drill bit to drill a 11/16" sized hole to allow the harness to be routed through it to the underside of the vehicle. Once harness has been completely routed through plastic cover silicone the hole for water sealing.

Note: Run 71905 end with 3 connectors from underside of vehicle, through cut hole, towards front of vehicle. Leave all excess wiring under vehicle.



Step 7: Begin routing harness to the back of the vehicle on the passenger's side while staying away from the rear passenger's side wheel. Find mounting points on the vehicle's frame or thicker OEM harnesses to secure harness with zip ties.

Once harness has been routed and secured to the back of the vehicle, move to the bed of the truck.



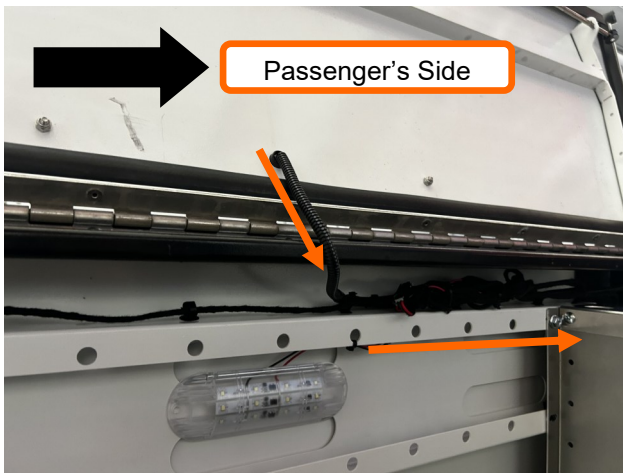
Step 8: Locate the rear passenger's side bed area. There is a circle shaped pass thru. Route the harness through this pass thru and continue up the side of the topper.

Tuck any excess wiring into the empty cavity underneath the bed frame.

Use the supplied Tek screw and P-clip to secure the wire harness to the frame.

Excess wiring
tucked under
the bed frame





Step 6: Routing continued

Continue routing the brake light harness inside the topper, to the light.

The harness should run along the passenger's side rear cavity, then across the top cavity to the light (Orange and blue lines shown in pictures).

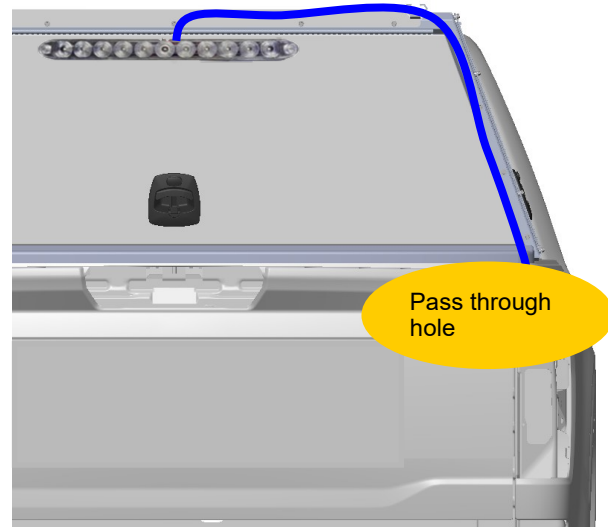
Be sure to leave extra wire from the brake light to the topper rails before securing. This ensures the wires won't break when the topper door opens and closes.

Secure harness using stud mount zip ties.

Connect the harness to the light:

Plug the connectors together. Pull connectors lightly to ensure they do not come apart.

Be sure the red wire on the harness connects to the black wire on the light. Then the black wire on the harness connects to the white wire on the light.



Insert the fuse into the inline-fuse holder on the brake light harness.

The install is now complete.

Check that the brake light comes on when the brake pedal is pushed, then back off once pedal is released.