



ADRIAN STEEL®

Cargo Management Solutions for Commercial Vehicles

ALUM. TOPPER, W/ SIDE DOORS AND REAR BARN DOORS

PRODUCT WEIGHT

305 LBS

WIDTH X DEPTH X HEIGHT

70" X 98.9" X 26.9"

CAPACITY

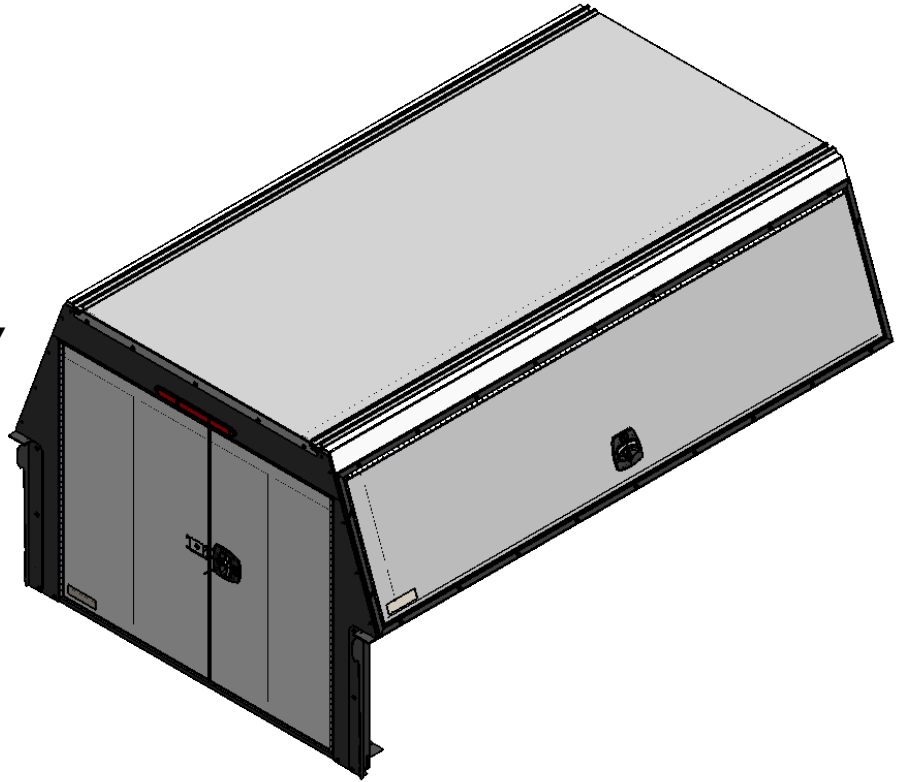
400# ROOF CAPACITY

COLOR

**WHITE PANELS
BLACK TRIM**

CATALOG NUMBER

TFKFDT296JM26W



PRODUCT FEATURES

THIS IS ADRIAN STEEL'S STANDARD ALUMINUM TOPPER FOR 8' BED F-SERIES SUPER DUTY PICKUPS. PLEASE NOTE THAT THIS IS DESIGNED TO FIT THE 2023 M.Y. THROUGH CURRENT M.Y..

TOPPER ROOF RAIL IS STANDARD, ALLOWING FOR HD-UTILITY, GRIP LOCK AND PROLIFT LADDER RACKS TO BE MOUNTED TO THE ROOF. MORE OPTIONS TO COME.

SIDE DOOR TOOLBOX MOUNTING IS AN OPTIONAL ACCESSORY FOR THIS KIT.

KIT INCLUDES MOUNTING HARDWARE, REAR BARN DOOR STYLE AND OEM SPECIFIC 3rd BRAKE LIGHT HARNESS. ALL 3 HANDLES WILL BE KEYED ALIKE.

TOPPER PANELS ARE 0.080 SHEET ALUMINUM, WITH MOST STRUCTURAL COMPONENTS CONSISTING OF 0.125 SHEET & EXTRUDED ALUMINUM.

SEE PAGES 2-4 FOR OTHER PRODUCTS THAT WORK WITH THIS UNIT.

**ALUM. TOPPER, W/ SIDE DOORS AND
REAR BARN DOORS****CATALOG NUMBER TFKFDT296JM26W*****TOOLBOX ACCESSORIES THAT WILL WORK WITH THIS PRODUCT.******THE FIRST SET OF PARTS IS INDIVIDUALLY BOXED COMPONENTS.
THE SECOND SET CONTAINS COMPLETE SOLUTIONS KITS (i.e. LEVEL 8'S).***

CATALOG NUMBER	DESCRIPTION (smart)
INTERIOR TOOLBOX COMPONENTS	
TTBBK179323	TBOX, BODY KIT, 179323
TTBSDK1723	TBOX, SPL DIV KIT, 1723
TTBSK1746	TBOX, SHELF KIT, 1746
TTBSK1793	TBOX, SHELF KIT, 1793
TTBTDK1723	TBOX, TALL DIV KIT, 1723
INTERIOR TOOLBOX CONFIGURATIONS (REFER TO WEBSITE)	
TTB179323C01	TBOX CONFIG, 01
TTB179323C02	TBOX CONFIG, 02
TTB179323C03	TBOX CONFIG, 03
TTB179323C04	TBOX CONFIG, 04
TTB179323C05	TBOX CONFIG, 05
TTB179323C06	TBOX CONFIG, 06
TTB179323C07	TBOX CONFIG, 07
TTB179323C08	TBOX CONFIG, 08
TTB179323C09	TBOX CONFIG, 09
TTB179323C10	TBOX CONFIG, 10
TTB179323C11	TBOX CONFIG, 11

**ALUM. TOPPER, W/ SIDE DOORS AND
REAR BARN DOORS****CATALOG NUMBER TFKFDT296JM26W****TOOLBOX ACCESSORIES THAT WILL WORK WITH THIS PRODUCT.****THE FIRST SET OF PARTS IS INDIVIDUALLY BOXED COMPONENTS.
THE SECOND SET CONTAINS COMPLETE SOLUTIONS KITS (i.e. LEVEL 8'S).**

CATALOG NUMBER	DESCRIPTION (smart)
LADDER RACK COMPONENTS	
URMBK4W	UTILITY,MNT BKT KT,RAIL,4W
2BARTOPW	2BAR UTILITY RACK, TOP, W
PLSDPSLT6W	PROLIFT,STD,PS,LOW T,6,W
PLSDDSLT6W	PROLIFT,STD,DS,LOW T,6,W
PLMDPSLT6W	PROLIFT,MAX,PS,LOW T,6,W
PLMDDSLT6W	PROLIFT,MAX,DS,LOW T,6,W
PLMDPSMT6W	PROLIFT,MAX,PS,MID T,6,W
PLMDDSM T6W	PROLIFT,MAX,DS,MID T,6,W
GL-FSVPS	GL FULL SIZE VEHICLE PS
GL-FSVDS	GL FULL SIZE VEHICLE DS
LADDER RACK KITS	
PLS61LT6	PROLIFT SGL STD DR 6' TOP
PLS63LT6	PROLIFT DBL STD DR 6' TOP
PLS64LT6	PROLIFT CMB STD DR 6' TOP
PLS65LT6	PROLIFT-UT CMB SDR 6' TOP
GL61LT6	SGL GL, 8'+ TOPPER
GL63LT6	DUAL GL,8'+ TOPPER
2B6TOPW	2-BAR UTY RK TOP 6" UPRT
PLM61LT6	PROLFT SGL SIDE MAX 6'
PLM63LT6	PROLFT DUAL SIDE MAX 6'

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**ALUM. TOPPER, W/ SIDE DOORS AND
REAR BARN DOORS****CATALOG NUMBER TFKFDT296JM26W****LIGHTING ACCESSORIES THAT WILL WORK WITH THIS PRODUCT**

CATALOG NUMBER	DESCRIPTION (smart)
LIGHTING KITS	
77676	COMPLETE PLUG & PLAY LIGHTING KIT: 2 DOME, 2 STRIP
77679	COMPLETE PLUG & PLAY KIT: 2 STRIP LIGHTS
77678	PLUG & PLAY STRIP LIGHT KIT: 1 DRIVER DOOR
77677	PLUG & PLAY STRIP LIGHT KIT: 1 PASSENGER DOOR

INSTR. : 77454

PG: 1

REV: E

BOM FOR 6.5' FORD F-150

PART : TFKFDT178KM23W

NUMBER :

PART • ASM INS, TFK_____KM23W /

DESC. • JM23W & 26W

NOTE: THESE INSTRUCTIONS

ARE VALID FOR ALL TFK FULL

BARN DOOR TOPPER KITS.

INSTRUCTIONS SHOWS F-150

6.5' BODY DURING

INSTALLATION

* E-LOCK VERSION SWAP TMLHK WITH TELH09

FASTENER AND HOLE

COUNTS MAY BE DIFFERENT

BETWEEN TOPPER KITS.

E-LOCK VERSIONS:

SWAP M WITH E IN PART NUMBER

EXAMPLE: TFKFDT178KM23W

BECOMES TFKFDT178KE23W

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK78M23W	TOP, SIDE KIT,78",M,23,W	2
2	TCKFDT1BM23	TOP, BD CLOSE KIT, F-150	1
3	TRK7823W	TOP, ROOF KIT,78",23,W	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKGMT1K	HDW KIT, CAM, F-150, W/ ADPTR	1

TOOLS NEEDED:

- 11/32" DRILL BIT
- 1/2" WRENCH & SOCKET
- 7/16" WRENCH & SOCKET
- 10mm SOCKET
- 8mm SOCKET
- 4mm ALLEN
- 3/16" ALLEN
- 5/32" ALLEN
- DRIVE RATCHET / IMPACT
- SCISSORS
- TAPE MEASURE
- ALIGNMENT PUNCH
- ROLLER
- T40 TORX BIT
- PLUSNUT TOOL OR GUN

INSTR.
NUMBER : **77454**

PG:
2

REV:
E

PART
NUMBER : **TFKFDL166KM23W**

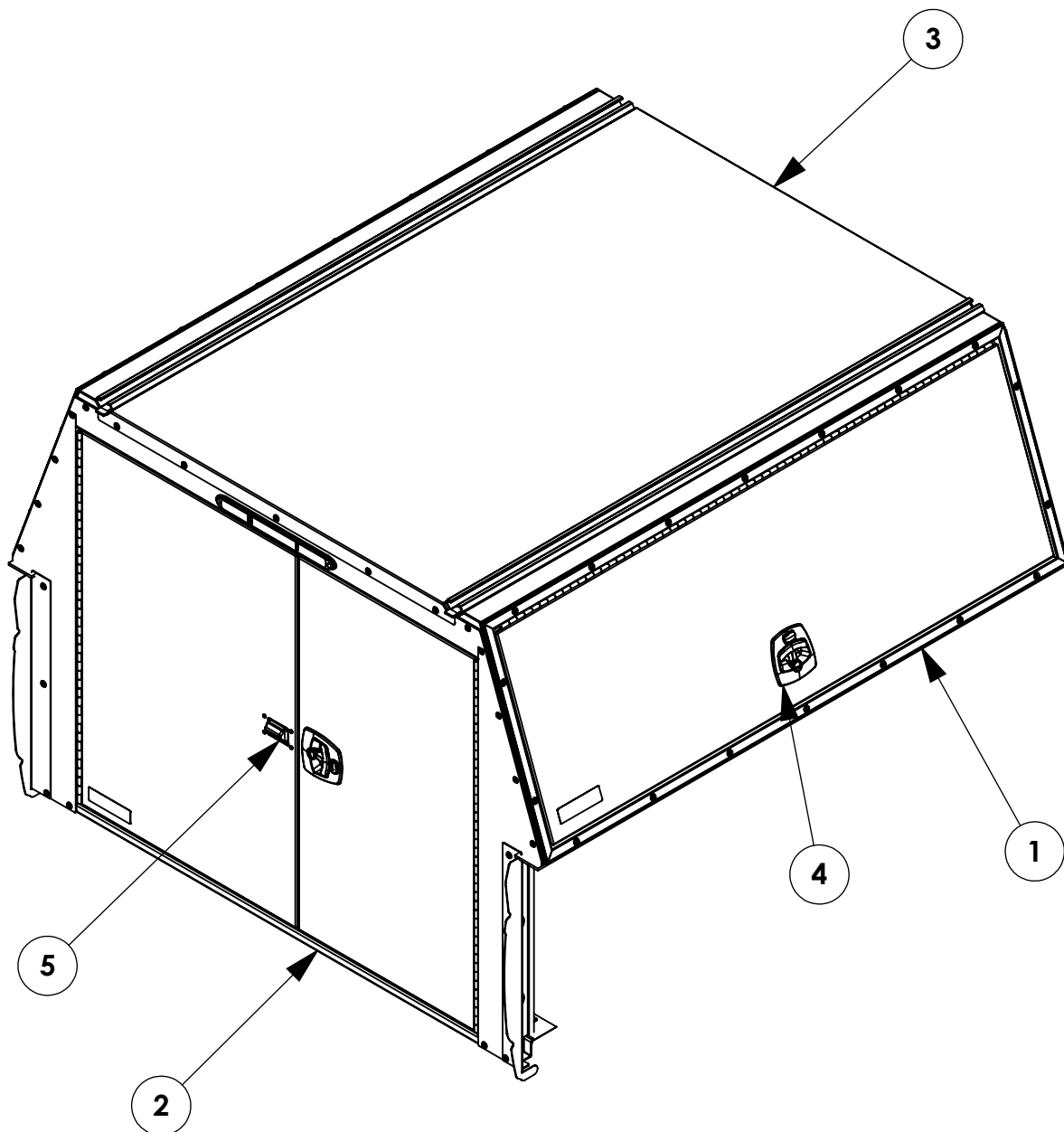
PART • ASM INS, TFK _____ KM23W /
DESC. • JM23W & 26W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT166KM23W
BECOMES TFKFDT166KE23W

BOM FOR 5.5' FORD LIGHTNING

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK66M23W	TOP, SIDE KIT, 66", M, 23, W	2
2	TCKFDT1BM23	TOP, BD CLOSE KIT, F-150	1
3	TRK6623W	TOP, ROOF KIT, 66", 23, W	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKFDL1K	HDW KIT, CAM, F-150, W/ ADPTR	1

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



INSTR.
NUMBER : 77454

PG: 3

REV: E

PART
NUMBER : TFKFDT166KM23W

PART • ASM INS, TFK_____KM23W /
DESC. • JM23W & 26W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT166KM23W
BECOMES TFKFDT166KE23W

BOM FOR 5.5' FOR F-150 ICE & HYBRID

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK66M23W	TOP, SIDE KIT,66",M,23,W	2
2	TCKFDT1BM23	TOP, BD CLOSE KIT, F-150	1
3	TRK6623W	TOP, ROOF KIT,66",23,W	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKFDT1K	HDW KIT, CAM, F-150, W/ ADPTR	1

* E-LOCK VERSION SWAP TMLHK WITH TELH04

The diagram shows an exploded view of a truck camper assembly. Callout 1 points to the side kit (TSK66M23W) on the right side. Callout 2 points to the top/bottom close kit (TCKFDT1BM23) at the front. Callout 3 points to the roof kit (TRK6623W) on the top. Callout 4 points to the topper mechanical lock hatch kit (TMLHK) on the front door. Callout 5 points to the hardware kit (TEKFDT1K) on the front door.

INSTR.
NUMBER : **77454**

PG:
4

REV:
E

PART
NUMBER : **TFKFDT196KM23W**

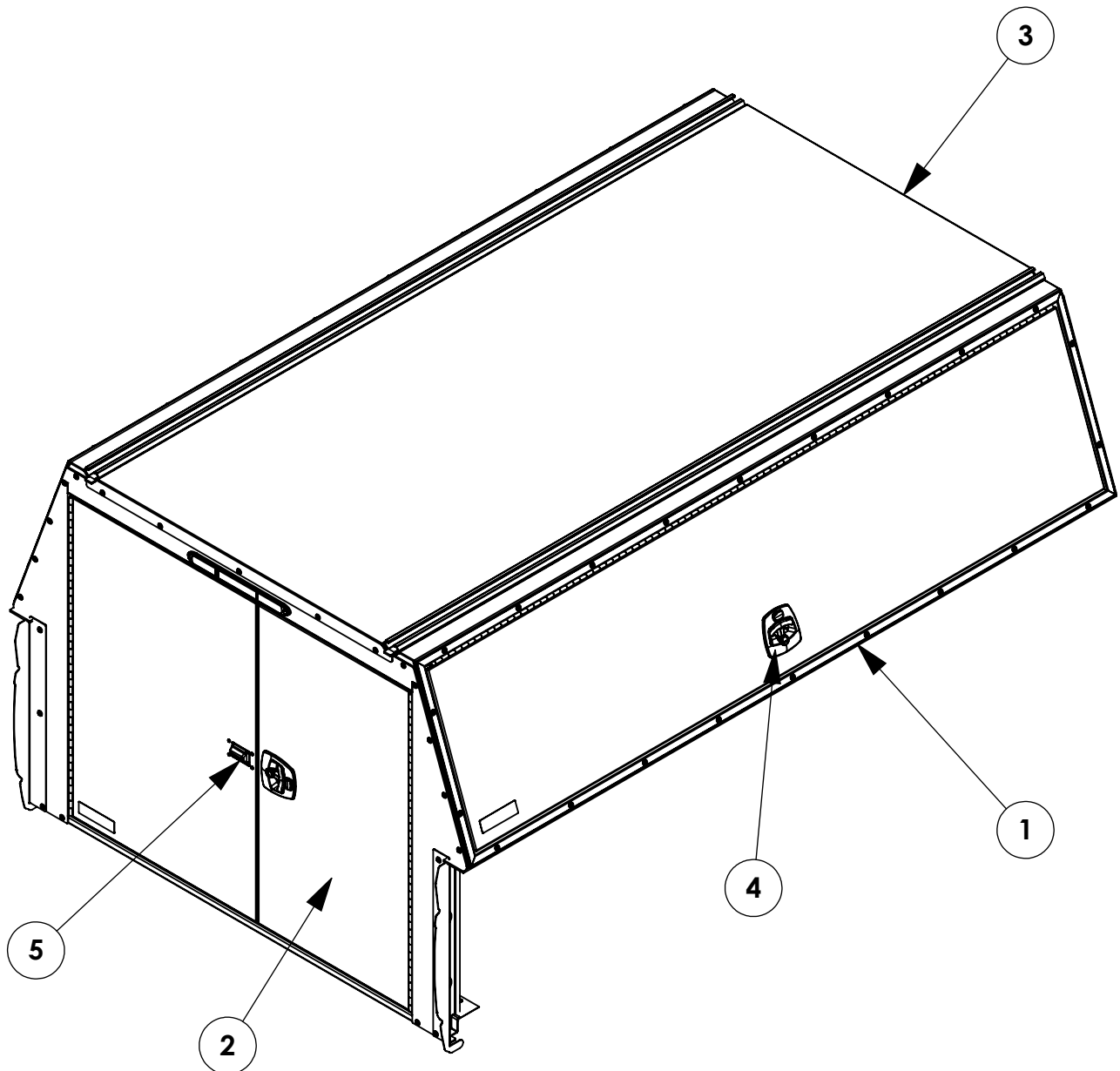
PART • ASM INS, TFK_____KM23W /
DESC. • JM23W & 26W

**E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT196KM23W
BECOMES TFKFDT196KE23W**

BOM FOR 8.0' FORD F-150

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M23W	TOP, SIDE KIT,96",M,23,W	2
2	TCKFDT1BM23	TOP, BD CLOSE KIT, F-150	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKFDT1K	HDW KIT, CAM, F-150, W/ ADPTR	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH10**



INSTR. NUMBER	: 77454	PG: 5	REV: E
PART NUMBER	• TFKFDT280JM26W • TFKFDT280KM26W		
PART DESC.	• ASM INS, TFK_____KM23W / • JM23W & 26W		

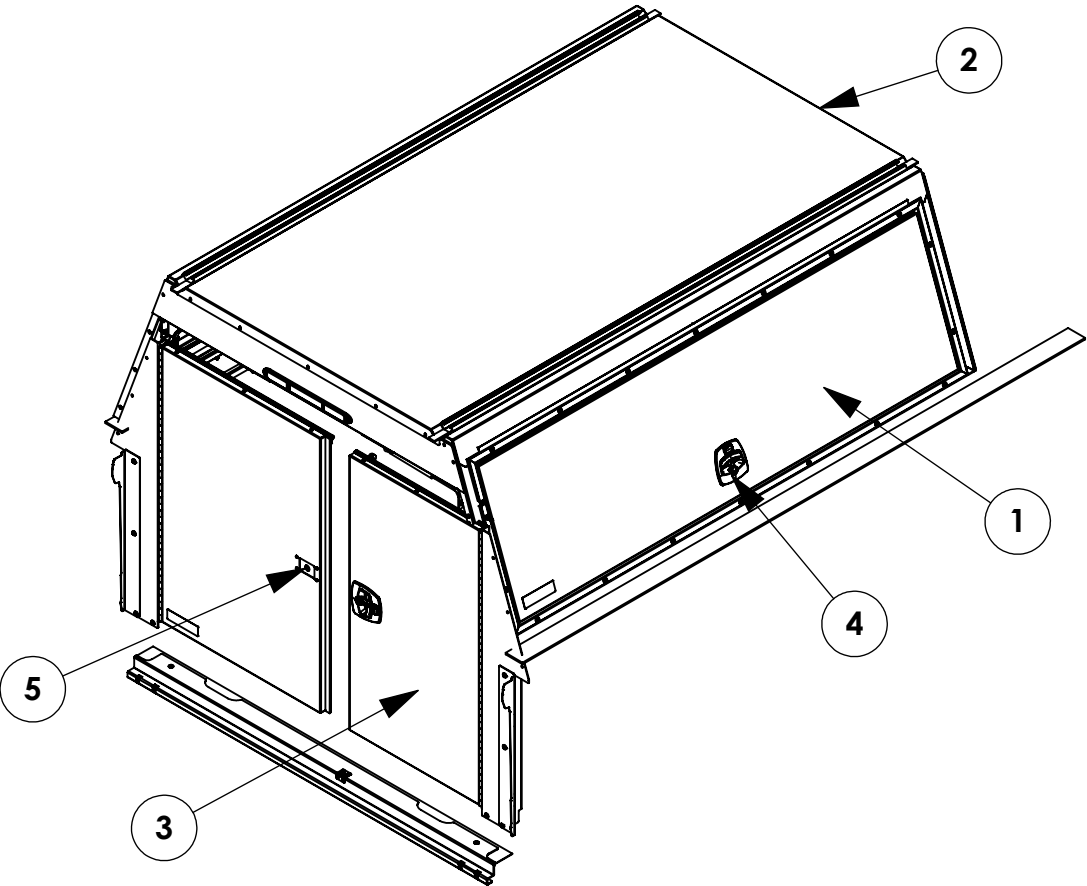
E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT280JM26W
BECOMES TFKFDT280JE26W

BOM FOR 6.8' FORD F-250

TFKFDT280KM26W			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK80M26W	TOP, SIDE KIT,80",M,26,W	2
2	TRK8026W	TOP, ROOF KIT,80",26,W	1
3	TCKFDT2BM26	TOP, BD CLOSE KIT, F-250	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKFDT2J	HDW KIT, CAMERA, F250 ANALOG	1

TFKFDT280KM26W			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK80M26W	TOP, SIDE KIT,80",M,26,W	2
2	TRK8026W	TOP, ROOF KIT,80",26,W	1
3	TCKFDT2BM26	TOP, BD CLOSE KIT, F-250	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKFDT2K	HDW KIT, CAM, F-250, W/ ADPTR	1

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



INSTR. : 77454
NUMBER

PG: 6
REV: E

PART • TFKFDT296JM26W
NUMBER • TFKFDT296KM26W

PART • ASM INS, TFK _____ KM23W /
DESC. • JM23W & 26W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKFDT296JM26W
BECOMES TFKFDT296JE26W

BOM FOR 8' FORD F-250

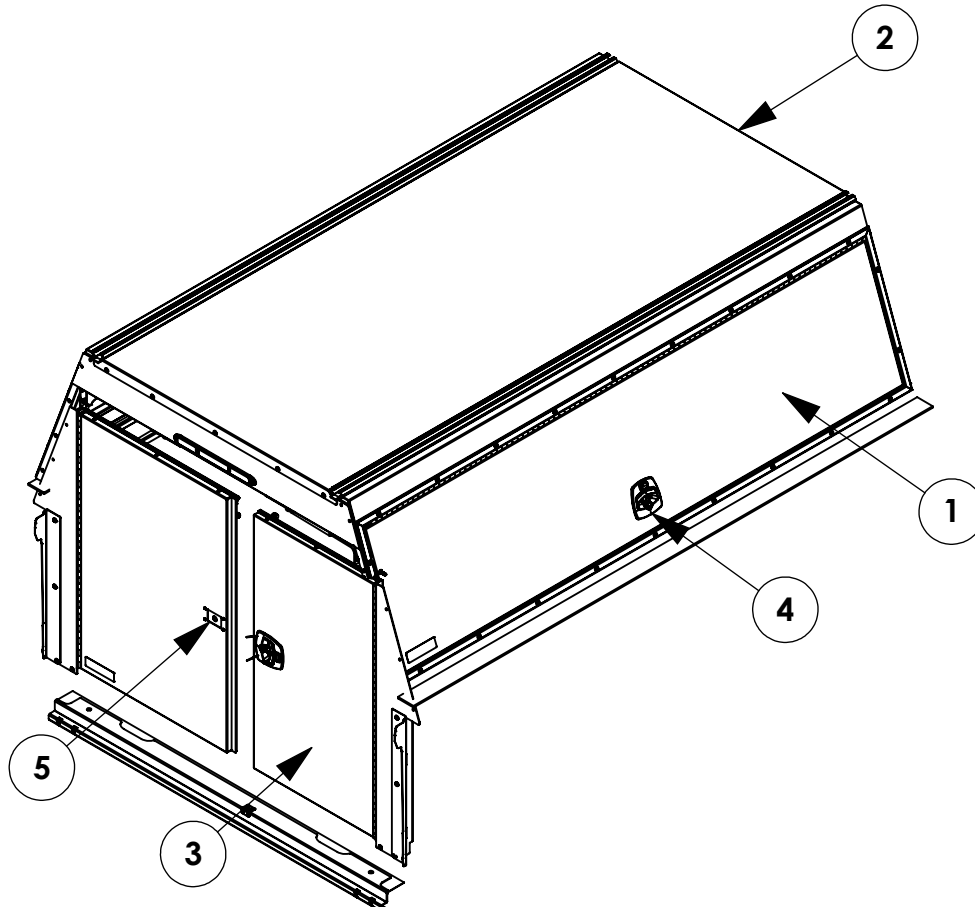
TFKFDT296JM26W

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M26W	TOP, SIDE KIT,96",M,26,W	2
2	TRK9623W	TOP, ROOF KIT,96",23,W	1
3	TCKFDT2BM26	TOP, BD CLOSE KIT, F-250	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKFDT2J	HDW KIT, CAMERA, F250 ANALOG	1

TFKFDT296KM26W

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M26W	TOP, SIDE KIT,96",M,26,W	2
2	TRK9623W	TOP, ROOF KIT,96",23,W	1
3	TCKFDT2BM26	TOP, BD CLOSE KIT, F-250	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKFDT2K	HDW KIT, CAM, F-250, W/ ADPTR	1

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



INSTR.
NUMBER : **77454**

PG:
7

REV:
E

PART
NUMBER : **TFKCOL160KM23W**

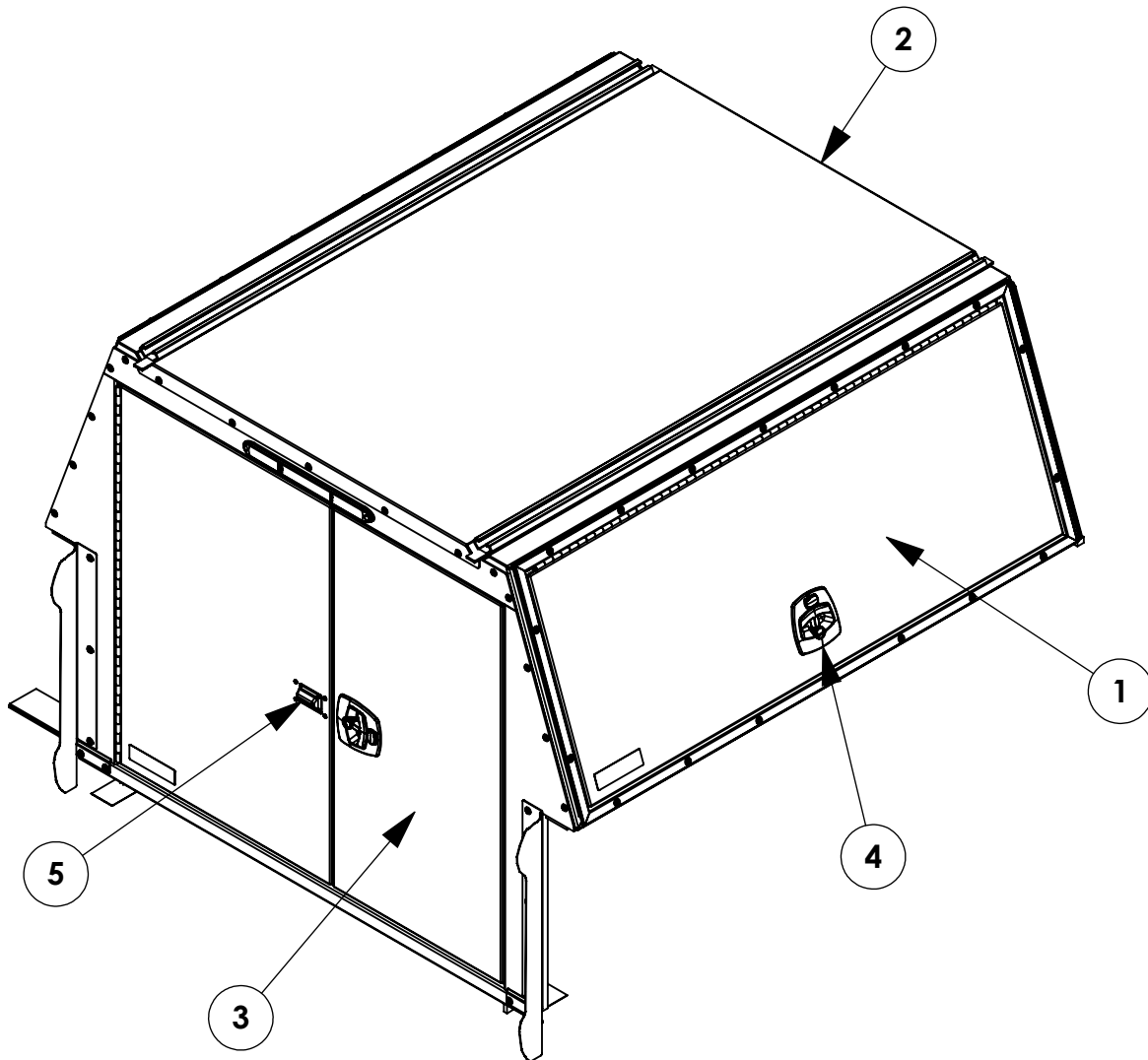
PART • ASM INS, TFK_____KM23W /
DESC. • JM23W & 26W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKCOL160KM23W
BECOMES TFKCOL160KE26W

BOM FOR CHEVROLET COLORADO

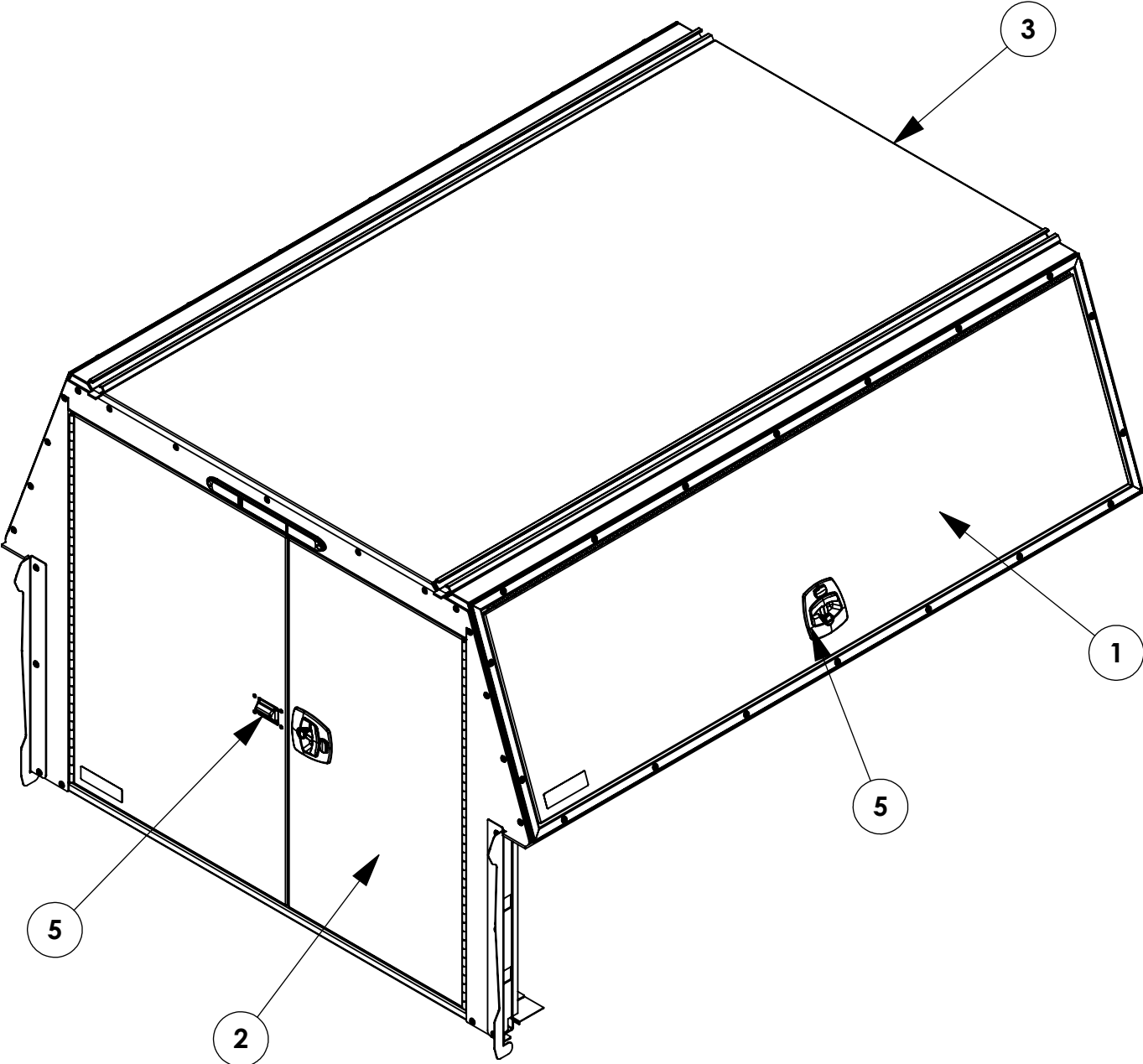
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSKCOL60M23W	TOP, SIDE KIT,60",M,23,W	2
2	TRK6123W	TOP, ROOF KIT,61",23,W	1
3	TCKCOL1BM23	OP, BD CLOSE KIT, COLORADO	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKCOL1K	HDW KIT, CAM, COLORADO	1

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



INSTR. : 77454		PG: 8	REV: E	BOM FOR 6.5' CHEVROLET SILVERADO 1500			
PART : TFKGMT178KM23W				ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART • ASM INS, TFK_____KM23W /				1	TSK78M23W	TOP, SIDE KIT,78",M,23,W	2
DESC. • JM23W & 26W				2	TCKGMT1BM23	TOP, BD CLOSE KIT, F-150	1
E-LOCK VERSIONS: SWAP M WITH E IN PART NUMBER EXAMPLE: TFKGMT178KM23W BECOMES TFKGMT178KE23W				3	TRK7823W	TOP, ROOF KIT,78",23,W	1
				4	TEKFDT1K	HDW KIT, CAM, F-150, W/ ADPTR	1
				5	TMLHK	TOPPER MECHANICAL LOCK HATCH KIT	1

* E-LOCK VERSION SWAP TMLHK WITH TELH05



INSTR.
NUMBER : **77454**

PG:
9

REV:
E

PART
NUMBER : **TFKGMT196KM23W**

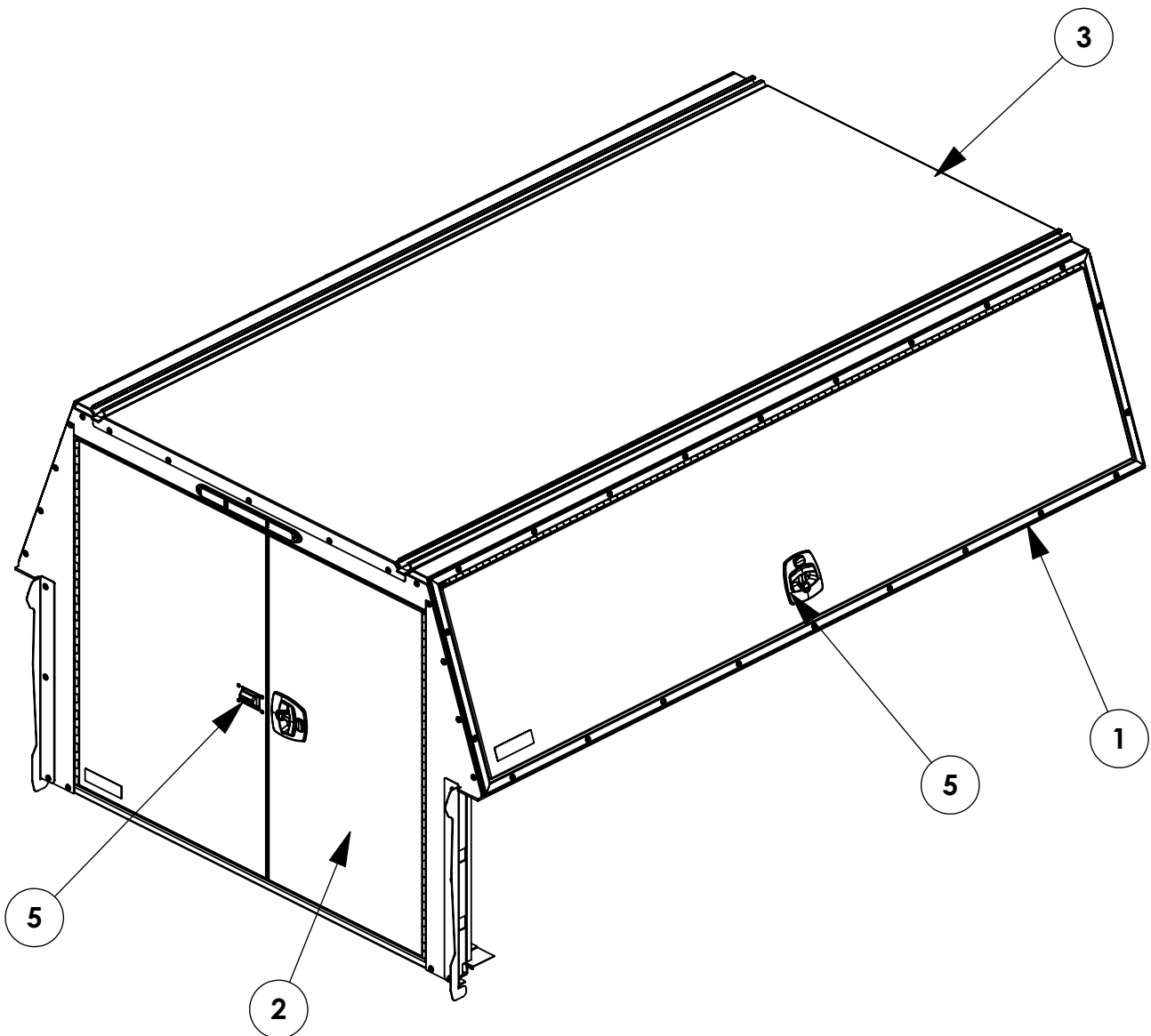
PART • ASM INS, TFK_____KM23W /
DESC. • JM23W & 26W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKGMT196KM23W
BECOMES TFKGMT196KE23W

BOM FOR 8.0' CHEVROLET SILVERADO 1500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M23W	TOP, SIDE KIT,96",M,23,W	2
2	TCKGMT1BM23	TOP, BD CLOSE KIT, F-150	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	TEKFDT1K	HDW KIT, CAM, F-150, W/ ADPTR	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH10**



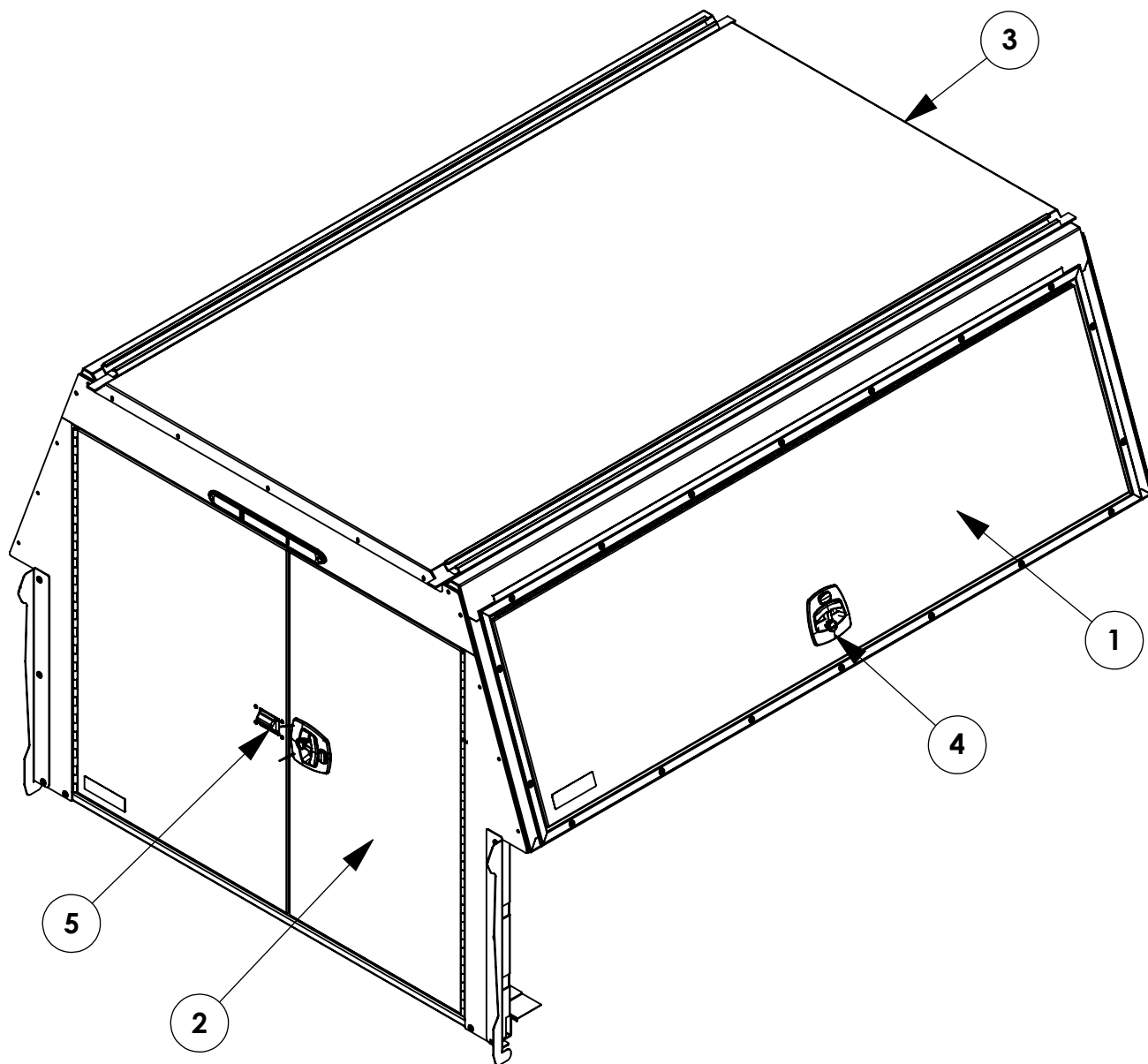
INSTR. NUMBER	: 77454	PG: 10	REV: E
PART NUMBER	: TFKGMT280KM26W		
PART • ASM INS, TFK_____KM23W / DESC. • JM23W & 26W			

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKGMT280KM23W
BECOMES TFKGMT280E23W

BOM FOR 6.7' CHEVROLET SILVERADO 2500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK80M26W	TOP, SIDE KIT,80",M,26,W	2
2	TCKGMT2BM26	TOP, BD CLOSE KIT, 2500	1
3	TRK8026W	TOP, ROOF KIT,80",26,W	1
4	TMLHK	TOPPER MECHANICAL LOCK HATCH KIT	1
5	TEKGMT1K	HDW KIT, CAM, F-150, W/ ADPTR	1

* E-LOCK VERSION SWAP TMLHK WITH TELH05



INSTR.
NUMBER : **77454**

PG:
11

REV:
E

PART
NUMBER : **TFKGMT296KM23W**

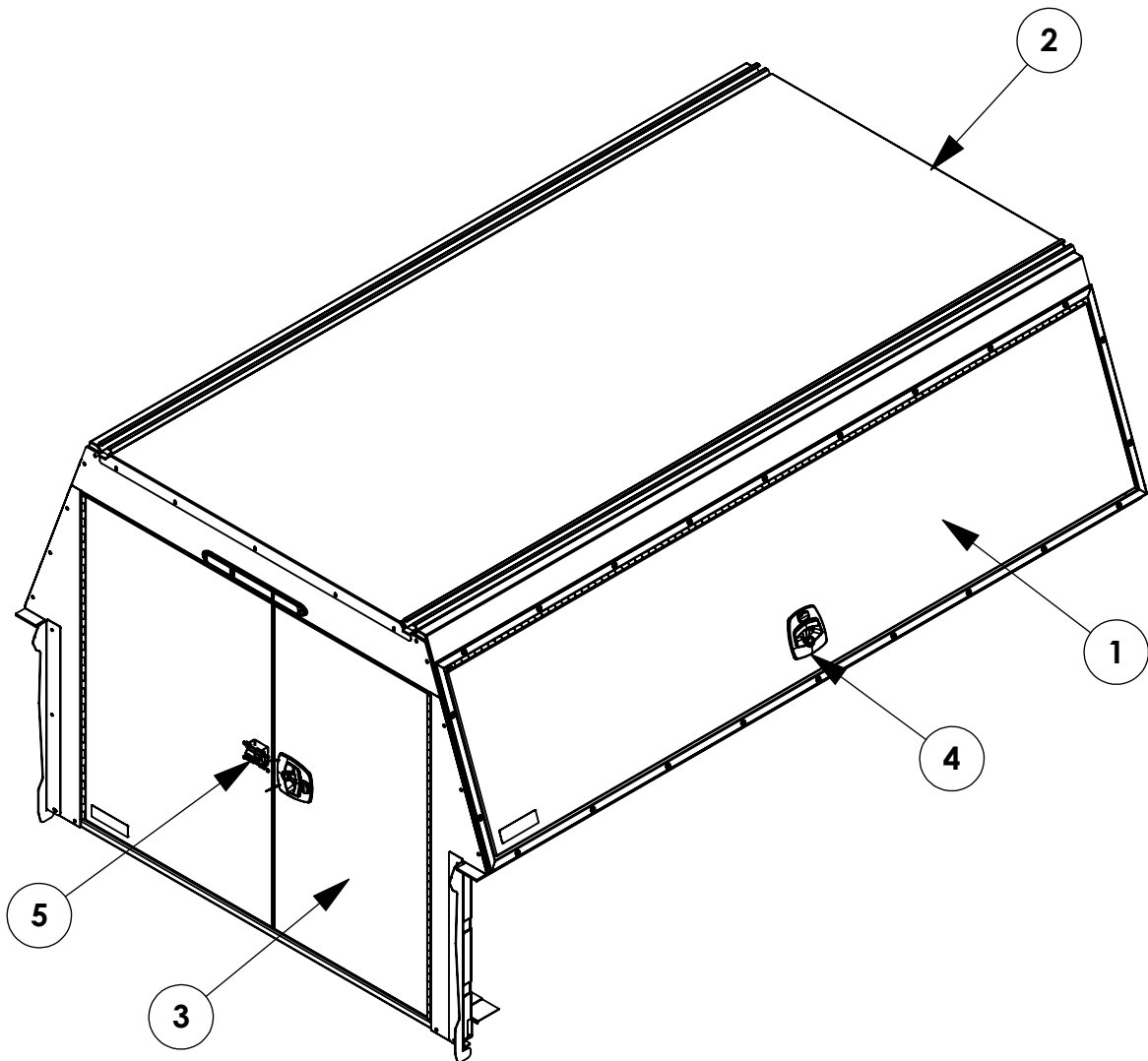
PART :
DESC. : ASM INS, TFK_____KM23W /
JM23W & 26W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKGMT296KM23W
BECOMES TFKGMT296KE23W

BOM FOR 8.0' CHEVROLET SILVERADO 2500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M26W	TOP, SIDE KIT,96",M,26,W	2
2	TRK9623W	TOP, ROOF KIT,96",23,W	1
3	TCKGMT2BM26	TOP, BD CLOSE KIT, SILV 2500	1
4	TMLHK	TOPPER MECHANICAL LOCK HATCH KIT	1
5	TEKGMT1K	HDW KIT, CAM, F-150, W/ ADPTR	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH10**

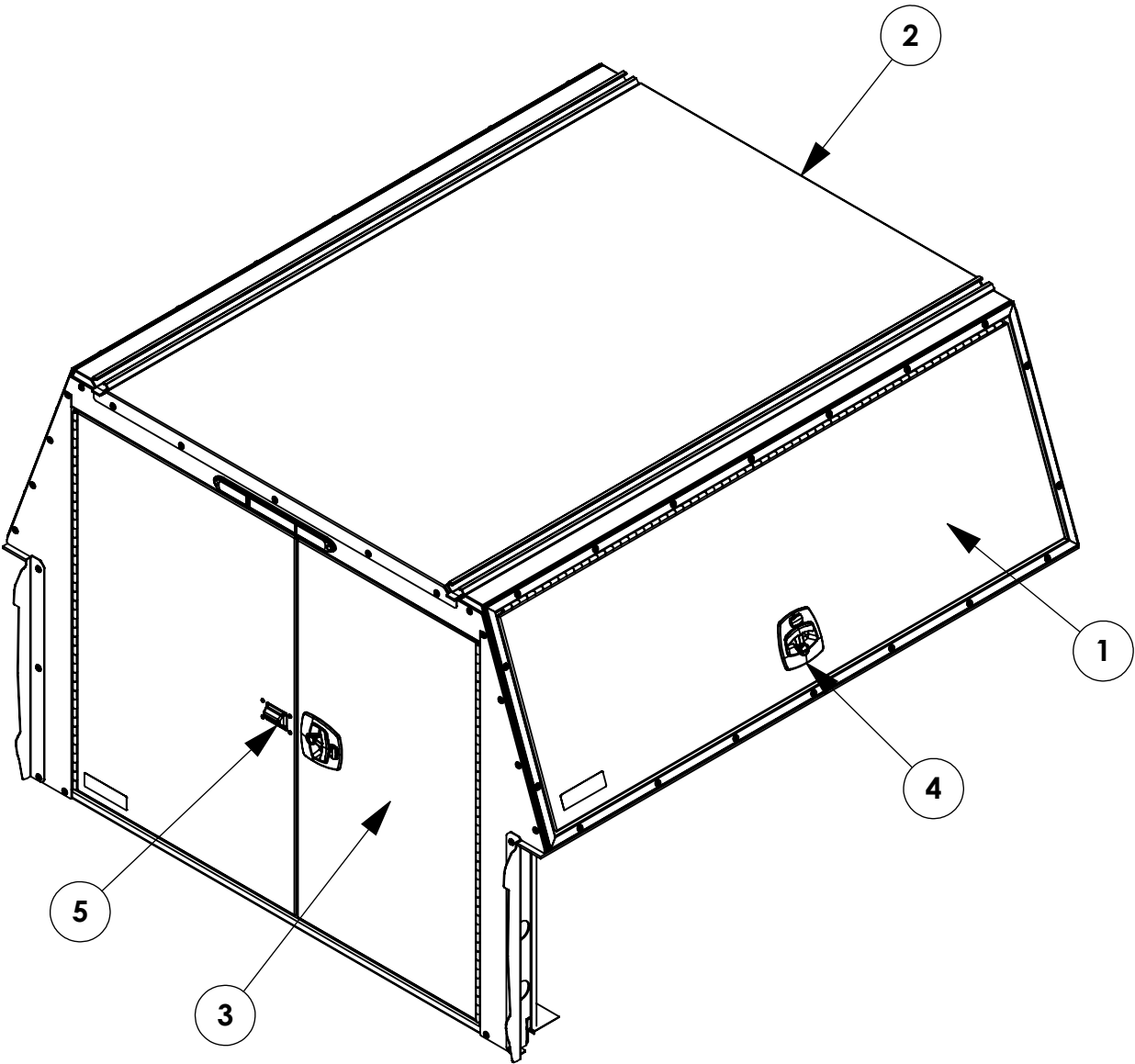


INSTR. NUMBER	: 77454	PG: 12	REV: E
PART NUMBER	: TFKRAM167KM23W		
PART	• ASM INS, TFK_____KM23W /		
DESC.	• JM23W & 26W		

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKRAM167KM23W
BECOMES TFKRAM167KE23W

BOM FOR 5.7' RAM1500			
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK66M23W	TOP, SIDE KIT,66",M,23,W	2
2	TRK6623W	TOP, ROOF KIT,66",23,W	1
3	TCKRAM1BM23	TOP, BD CLOSE KIT, F-150	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKRAM1K	HDW KIT, CAM, RAM 1500	1

*** E-LOCK VERSION SWAP TMLHK WITH TELH10**



INSTR.
NUMBER : **77454**

PG:
13

REV:
E

PART
NUMBER : **TFKRAM175KM23W**

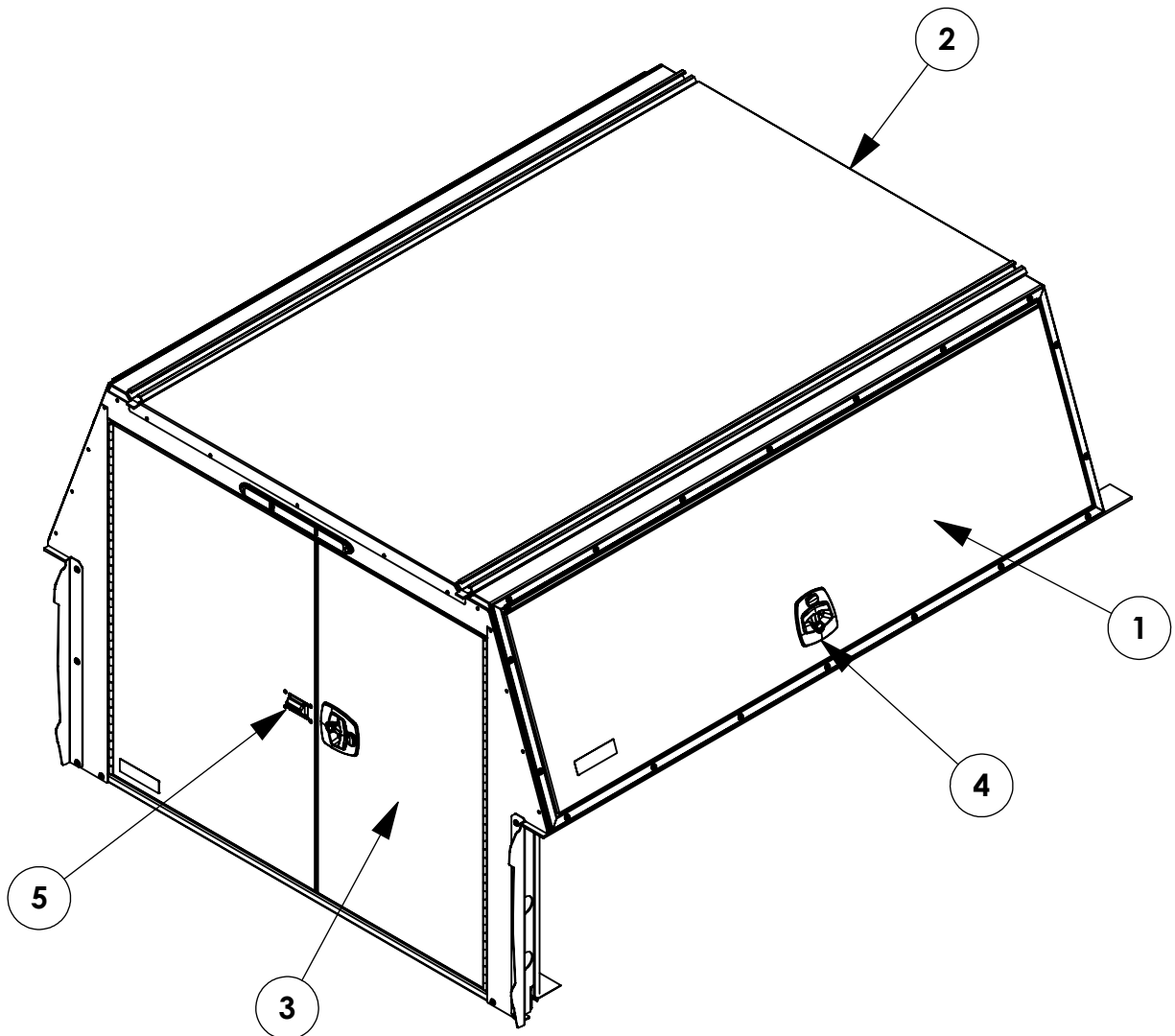
PART • ASM INS, TFK _____ KM23W /
DESC. • JM23W & 26W

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKRAM175KM23W
BECOMES TFKRAM175KE23W

BOM FOR 75" RAM 1500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK75M23W	TOP, SIDE KIT, 78" RAM	2
2	TRK7523W	TOP, ROOF PANEL KIT, RAM	1
3	TCKRAM1BM23	TOP, BD CLOSE KIT, RAM	1
4	TMLHK	Topper Mechanical Lock Hatch Kit	1
5	TEKRAM1K	HDW KIT, CAM, RAM 1500	1

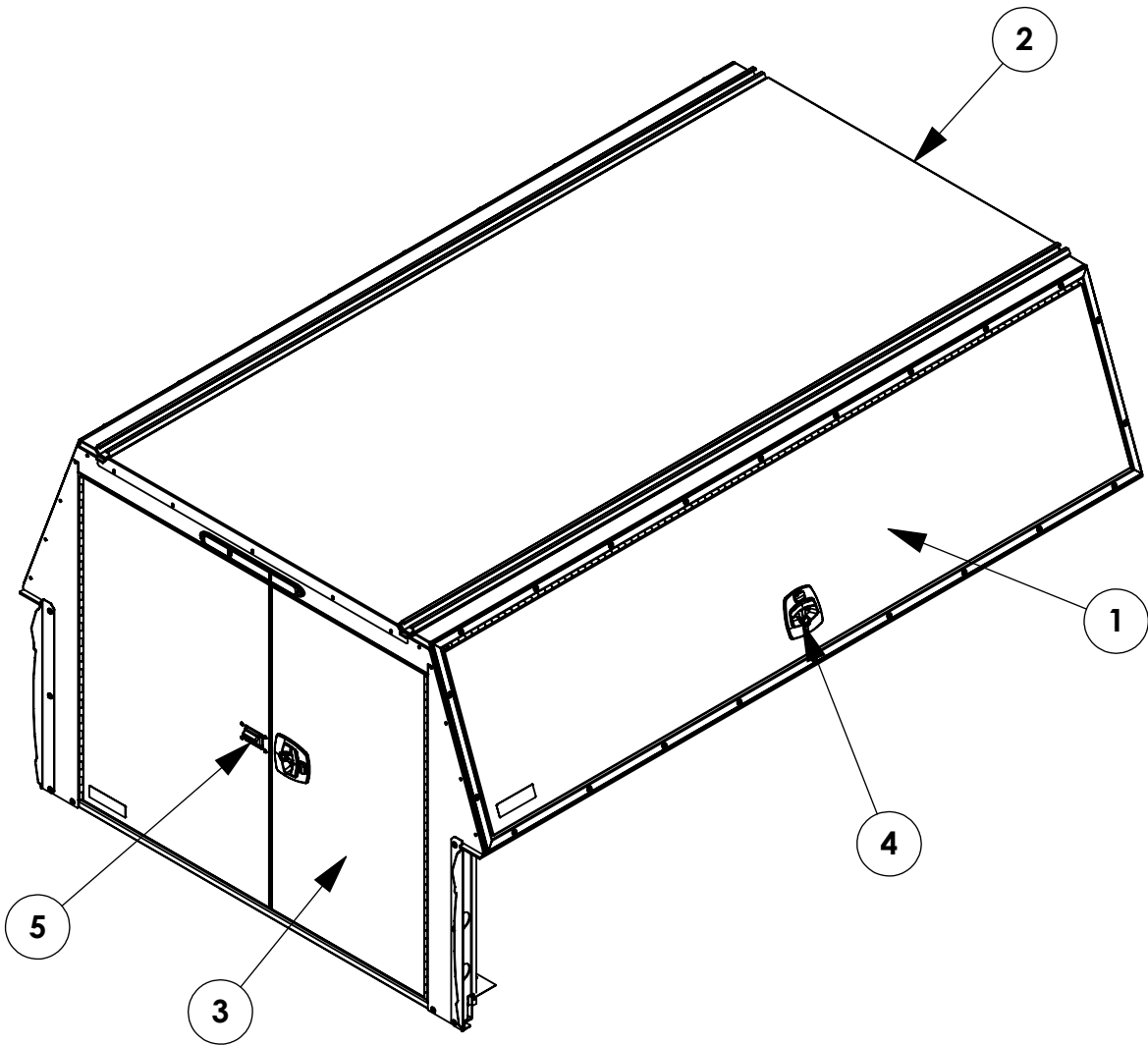
*** E-LOCK VERSION SWAP TMLHK WITH TELH10**



INSTR. : 77454		PG: 14	REV: E	BOM FOR 96" RAM 1500			
PART : TFKRAM196KM23W				ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
PART : ASM INS, TFK_____KM23W / DESC. : JM23W & 26W				1	TSK96M23W	TOP, SIDE KIT,96",M,23,W	2
				2	TRK9623W	TOP, ROOF KIT,96",23,W	1
				3	TCKRAM196BM23	TOP, BD CLOSE KIT, RAM, 8 FT BED	1
				4	TMLHK	Topper Mechanical Lock Hatch Kit	1
				5	TEKRAM1K	HDW KIT, CAM, RAM 1500	1

E-LOCK VERSIONS:
SWAP M WITH E IN PART NUMBER
EXAMPLE: TFKRAM196KM23W
BECOMES TFKRAM196KE23W

*** 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.

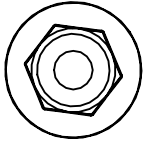
MOUNTING POINTS MUST HAVE METAL-TO-METAL CONTACT - USE PROVIDED MOUNTING SPACERS TO ACCOMMODATE FOR VEHICLE FEATURES, CARPET OR SUBFLOORS.

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.

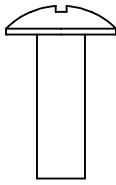
CHECK SPACER ORIENTATION - BE SURE THAT THE INDENT IN THE SPACER COVERS THE PLUSNUT HEAD; THIS ENSURES THE MOST METAL-TO-METAL CONTACT AND REDUCES VIBRATION.

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).

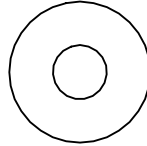
THRU-BOLT CLEARANCE - WHEN USING A THRU-BOLT AT ANY MOUNTING LOCATION, BE SURE THAT YOUR HOLE HAS 1/16" CLEARANCE.

FASTENERS USED**BAG REFERENCE: ALL**

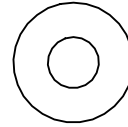
FAS0055
1/4-20 ZP
HFLNG NLK NUT
QTY: 29



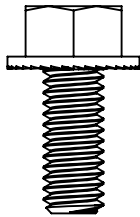
FAS0062
1/4-20 X 0.75 ZP
THP SCREW
QTY: 9



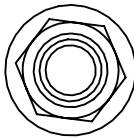
FAS0067
1/4 ZP
FLAT WASHER
QTY: 9



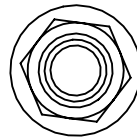
FAS0234
1/4 SST
FLAT WASHER
QTY: 44



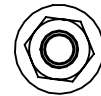
FAS0438
5/16-18 X .75 ZP
HFLNG SCREW
QTY: 20



FAS0440
5/16-18 ZP
HFLNG NLK NUT
QTY: 20



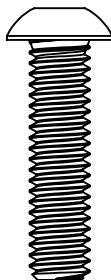
FAS0861
5/16-18 SST
HFLNG NLK NUT
QTY: 4



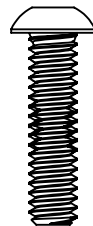
FAS0917
M5 X .8 ZP
HFLNG NLK NUT
QTY: 8



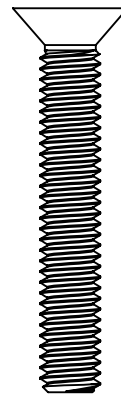
FAS0918
10-24 ZP
HFLNG NLK NUT
QTY: 4



FAS0919
5/16-18 X 1.25 SST
BHC SCREW
QTY: 12



FAS0920
1/4-20 X 1.0 SST
BHC SCREW
QTY: 44

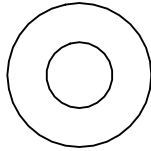


FAS1279
5/16-18 X 2.0 SST
FHT SCREW
QTY: 2

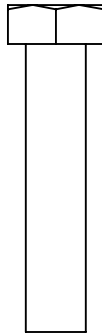
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FASTENERS USED

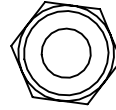
BAG REFERENCE: ALL



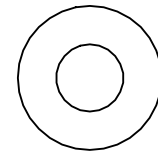
FAS0164
5/16 ALUM
FLAT WASHER
QTY: 8



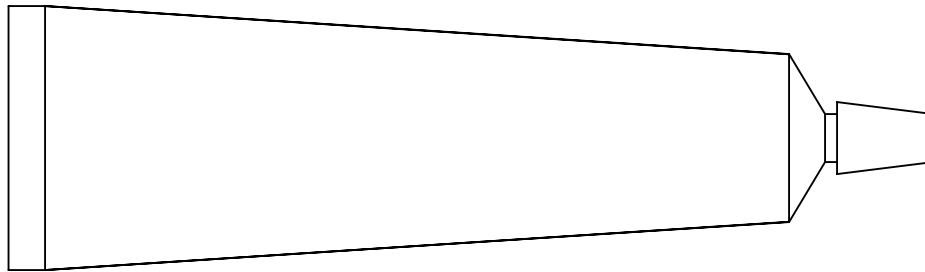
FAS0242
5/16-18 X 1.5 SST
HH SCREW
QTY: 8



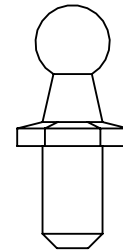
FAS0248
5/16-18 SST
HH NLK NUT
QTY: 8



FAS0552
5/16 SST
FLAT WASHER
QTY: 20



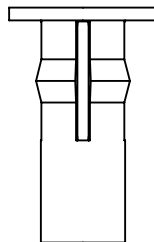
26618-0
1 OZ TUBE
SILICONE
QTY: 2



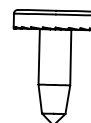
30015-0
THREADED BALL STUD
QTY: 4



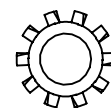
FAS0711
1/4-20 BK PH
SPRING CLIP
QTY: 4



FAS0222
5/16-18 PB WS450
PLUSNUT
QTY: 2



FAS0148
#10 X .50 NI-ZN
PH SELF TAP SCREW
QTY: 1

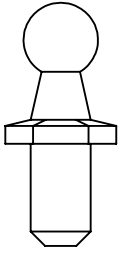


FAS0066
1/4
EXT TOOTH
LOCK WASHER
QTY: 1

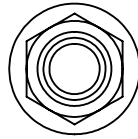
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FASTENERS USED

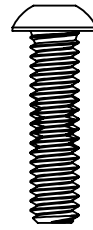
BAG REFERENCE: BAG77939



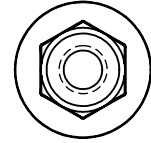
**30015-0
THREADED BALL STUD
QTY: 4**



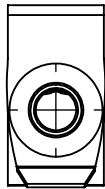
**FAS0861
NUT, HEX NLK FLG,
5/16-18, SS
QTY: 4**



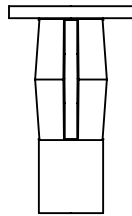
**FAS0920
SCREW, BHCS,
1/4-20X1.0, SS
QTY: 6**



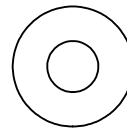
**FAS0055
NUT, HEX NLK FLG,
1/4-20, ZP
QTY: 12**



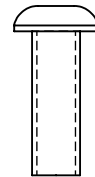
**FAS0711
SPRING, CLIP,
1/4-20, BK PH
QTY: 4**



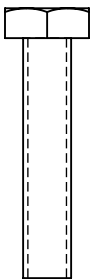
**FAS0052
PLUSNUT,
1/4-20, PB DC
QTY: 2**



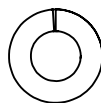
**FAS0234
WASHER, FLAT,
1/4, SST
QTY: 18**



**FS0576
SCREW, BHCS,
1/4-20X.75, SSW
QTY: 10**



**FAS0671
SCRW, HEX HD,
1/4-20X1.25, SS
QTY: 2**



**FAS0672
WASHER, LOCK, SPLIT
1/4, SST
QTY: 6**

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PAGE:

22

FASTENERS USED

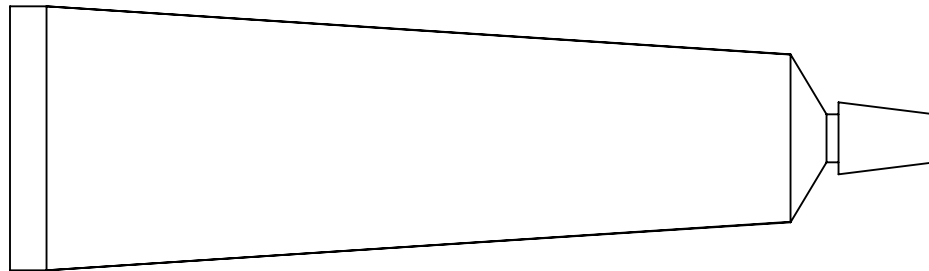
BAG REFERENCE: BAG76637



**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
QTY: 1**

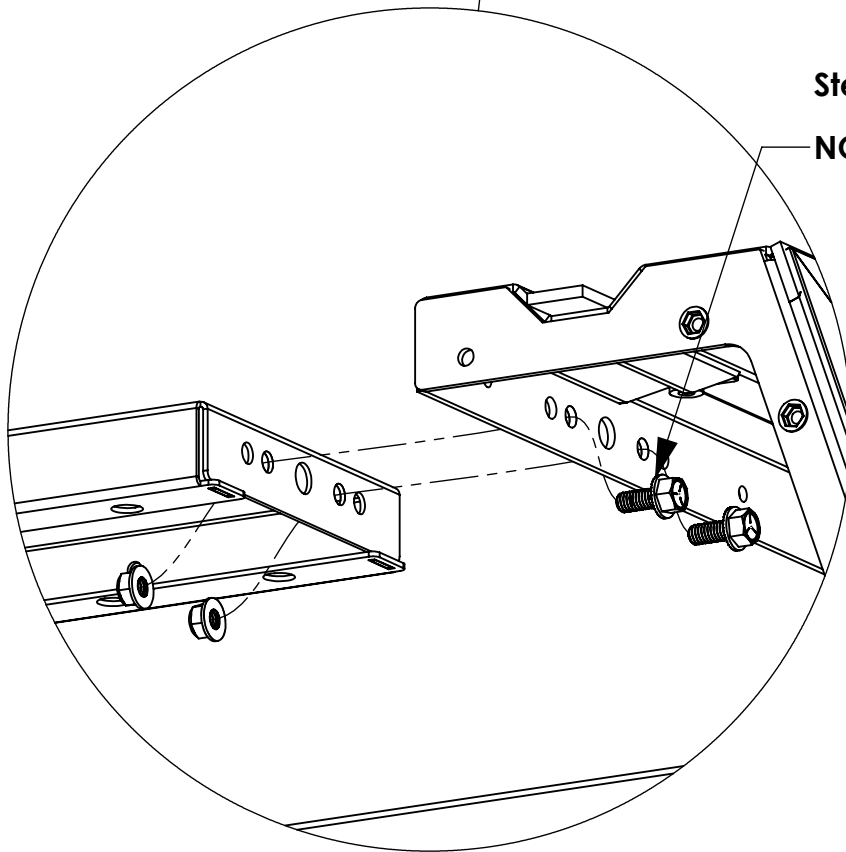
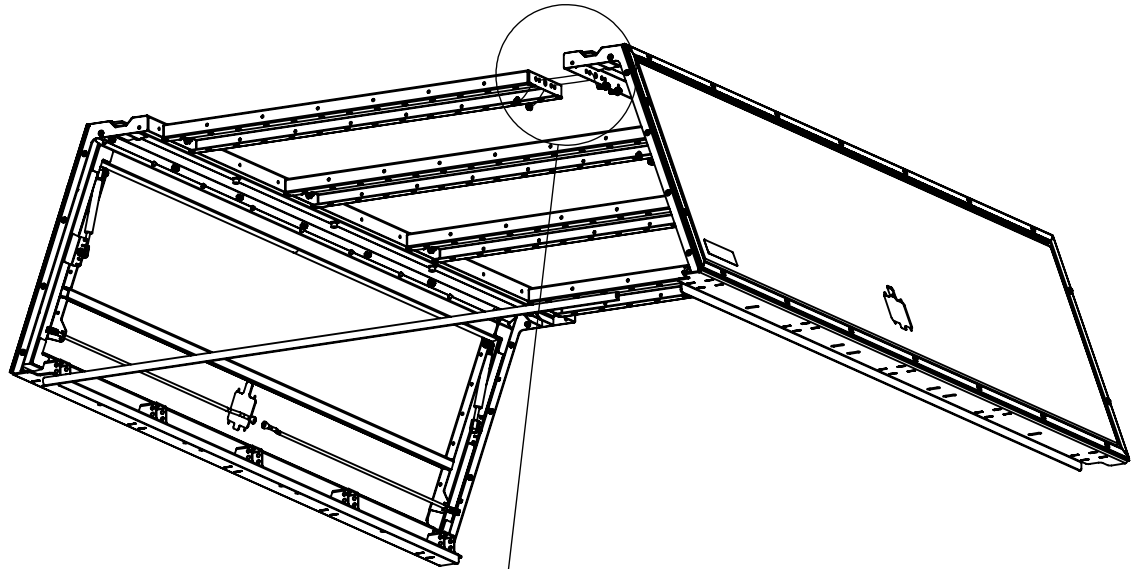
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STEP 1 - ASSEMBLE BODY FRAME: SIDES AND CROSSBOWS

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)
10mm SOCKET

DO NOT
OVERTIGHTEN

Step 2.3
ATTACH
LOCKRODS TO
HANDLE

FULLY TIGHTEN
FAS0918
(2 PLACES)
8mm SOCKET

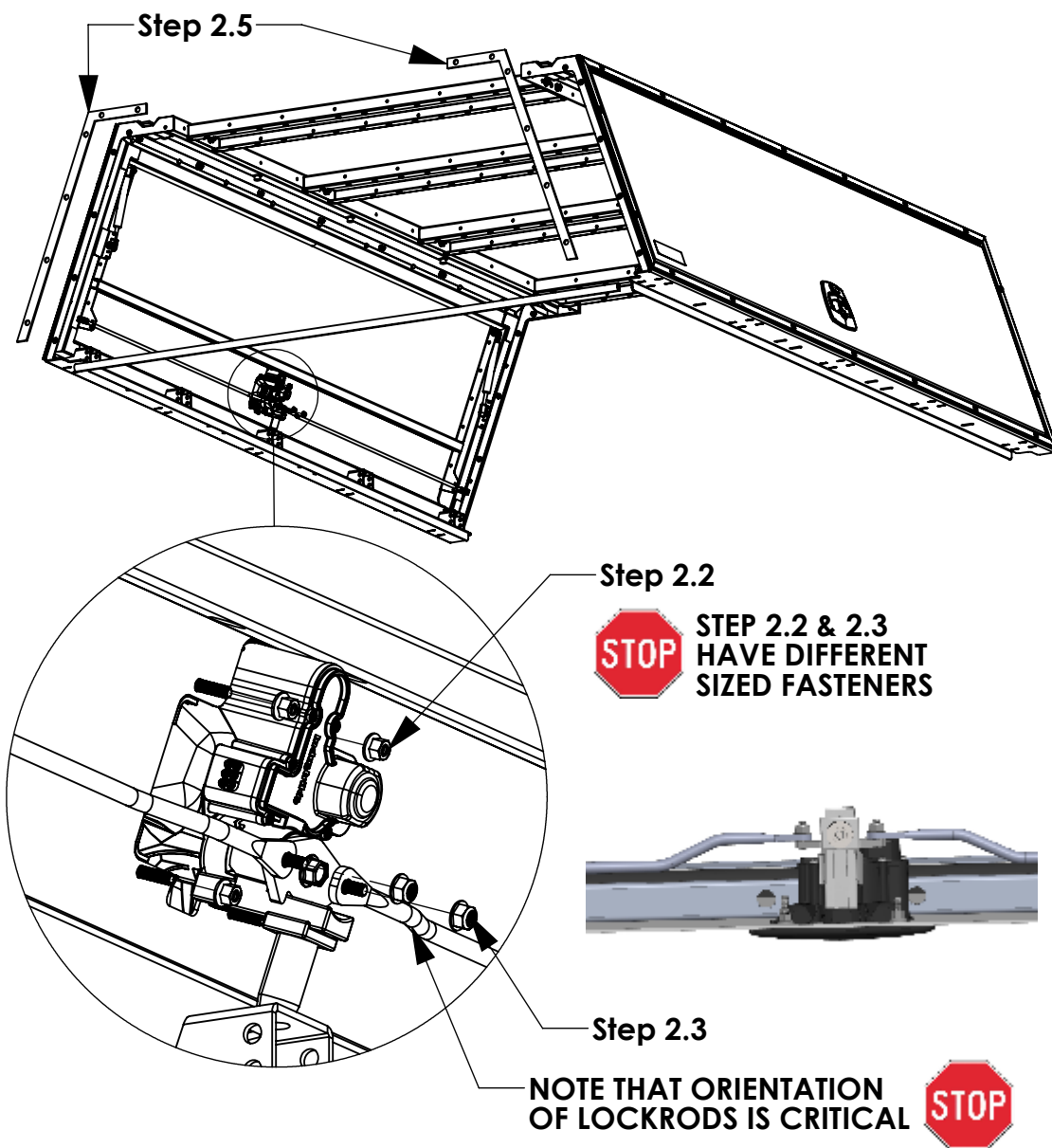
DO NOT
OVERTIGHTEN

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

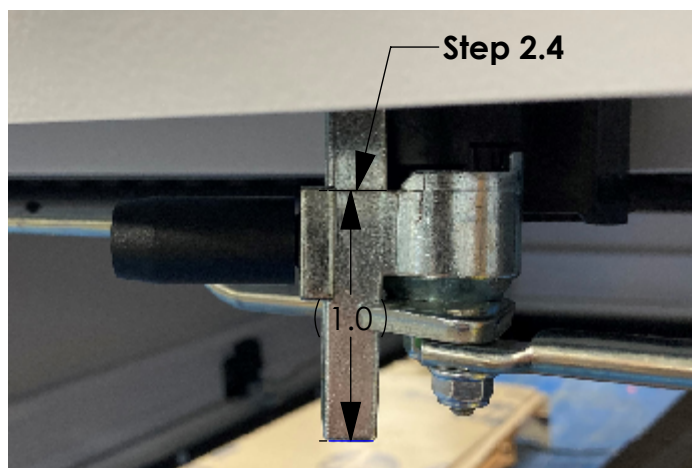
FULLY TIGHTEN
4mm ALLEN
(2 PLACES)

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]

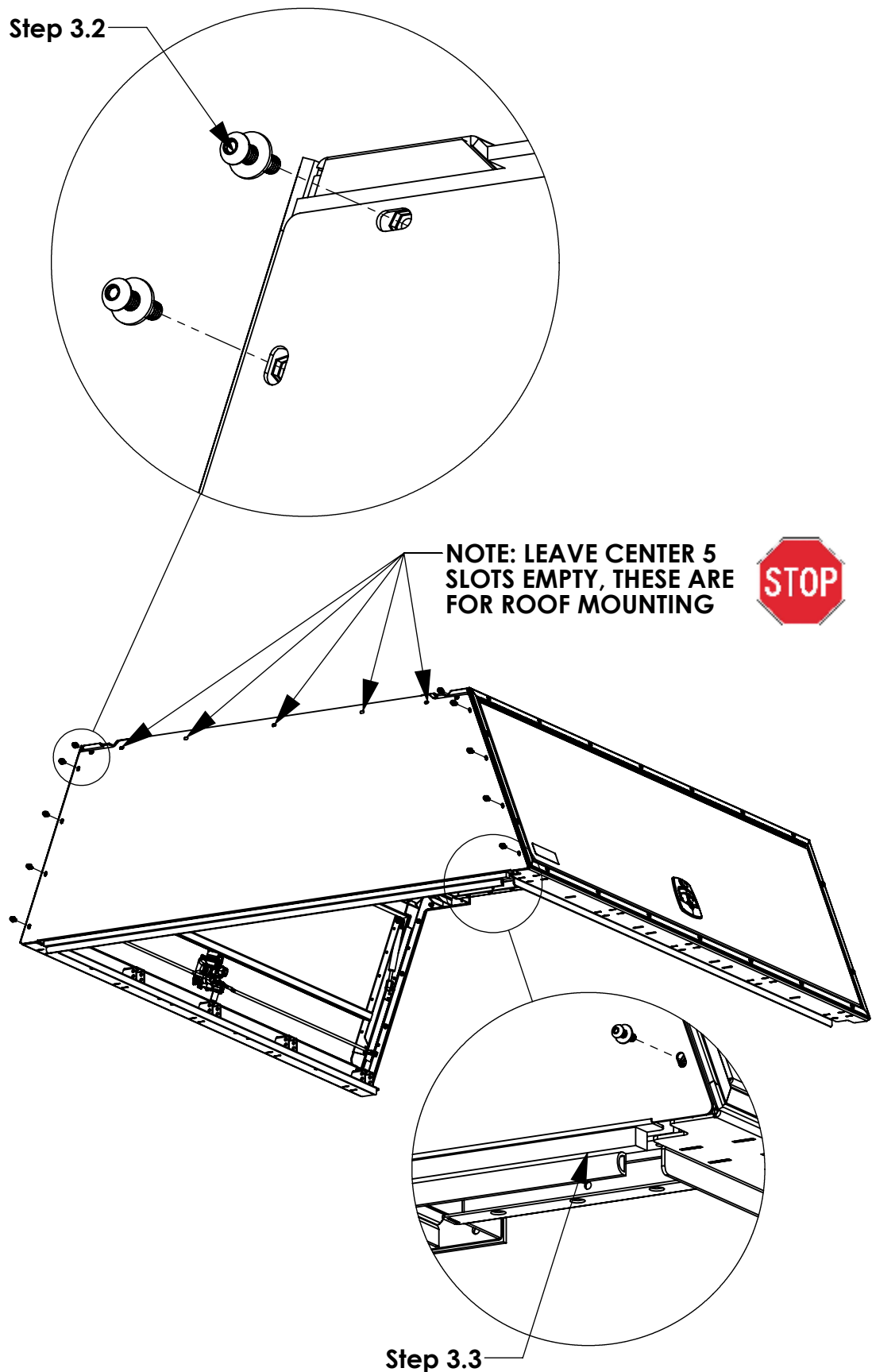
Step 3.2
ATTACH FRONT
PANEL

HAND TIGHTEN
FAS0234,
FAS0920
(10 PLACES)

DO NOT
TIGHTEN UNTIL
AFTER STEP 7

Step 3.3
INSTALL FRONT
BED SEAL BY
PLACING ON
FRONT PANEL
FLANGE
CENTERED
BETWEEN THE
DRIVER AND
PASSENGER SIDE
BED RAILS.

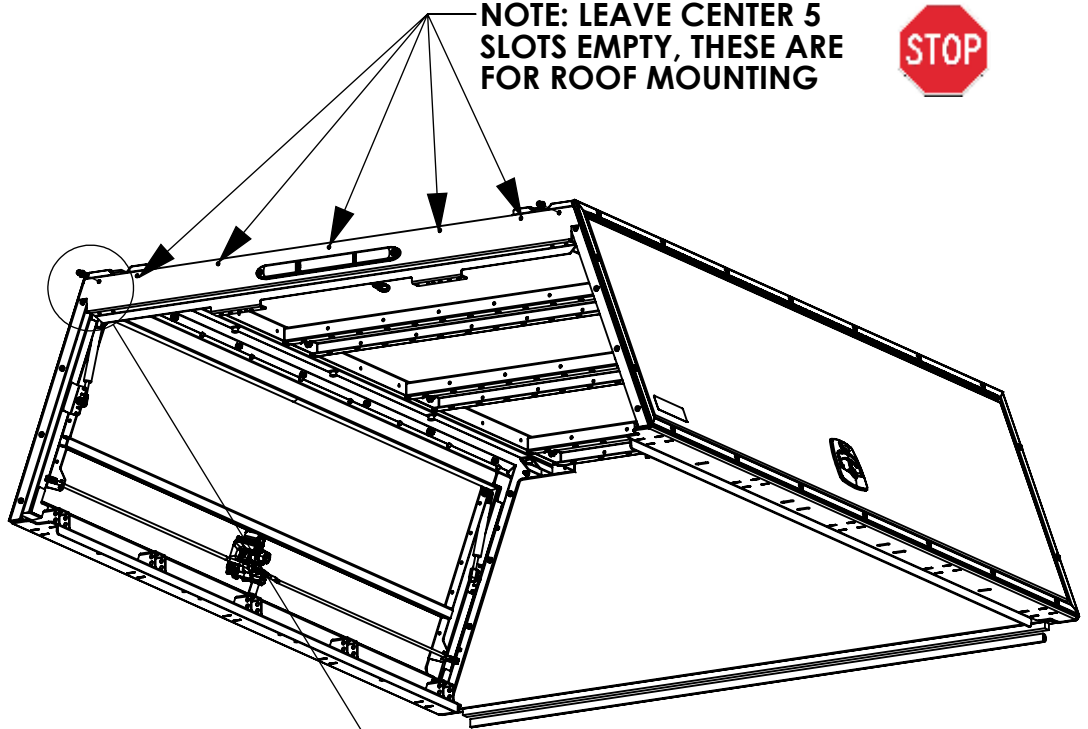
TRIM OFF EXTRA,
IF NECESSARY.



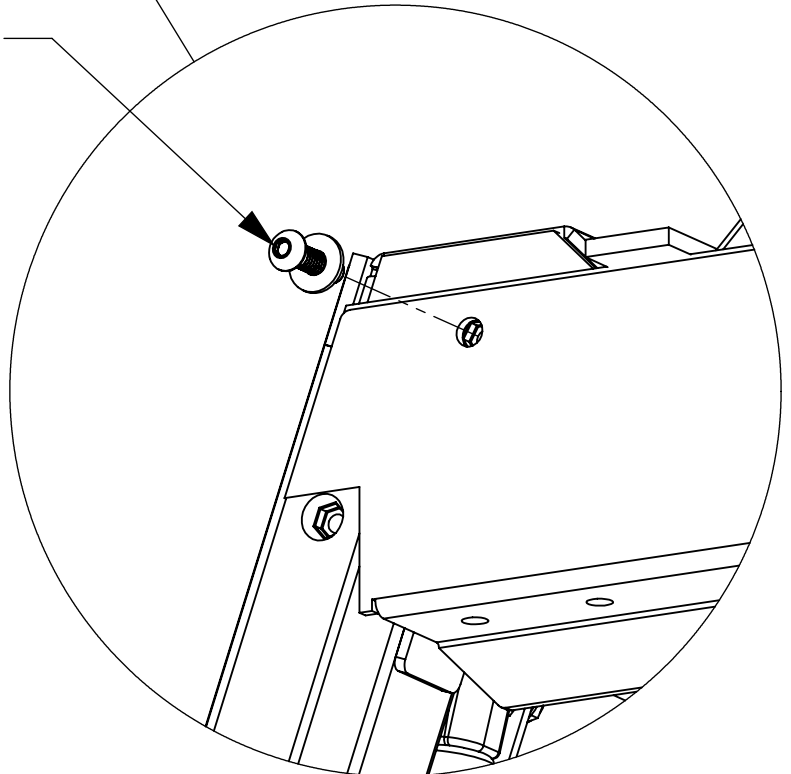
STEP 4 - ATTACH TOP BRACKET ASSEMBLY**Step 4
ATTACH TOP
BRACKET ASSM**

HAND TIGHTEN
FAS0234,
FAS0920
(2 PLACES)
5/32" ALLEN

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



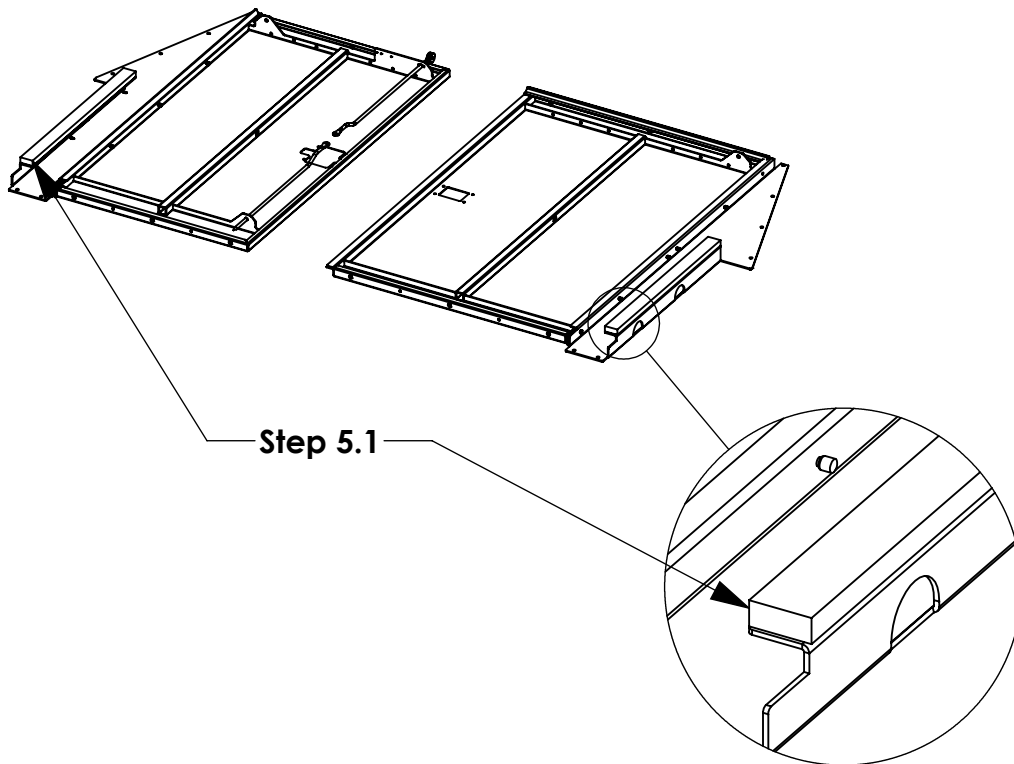
Step 4



STEP 5 - ATTACH BARN DOOR DS AND PS ASSEMBLIES CONT'D

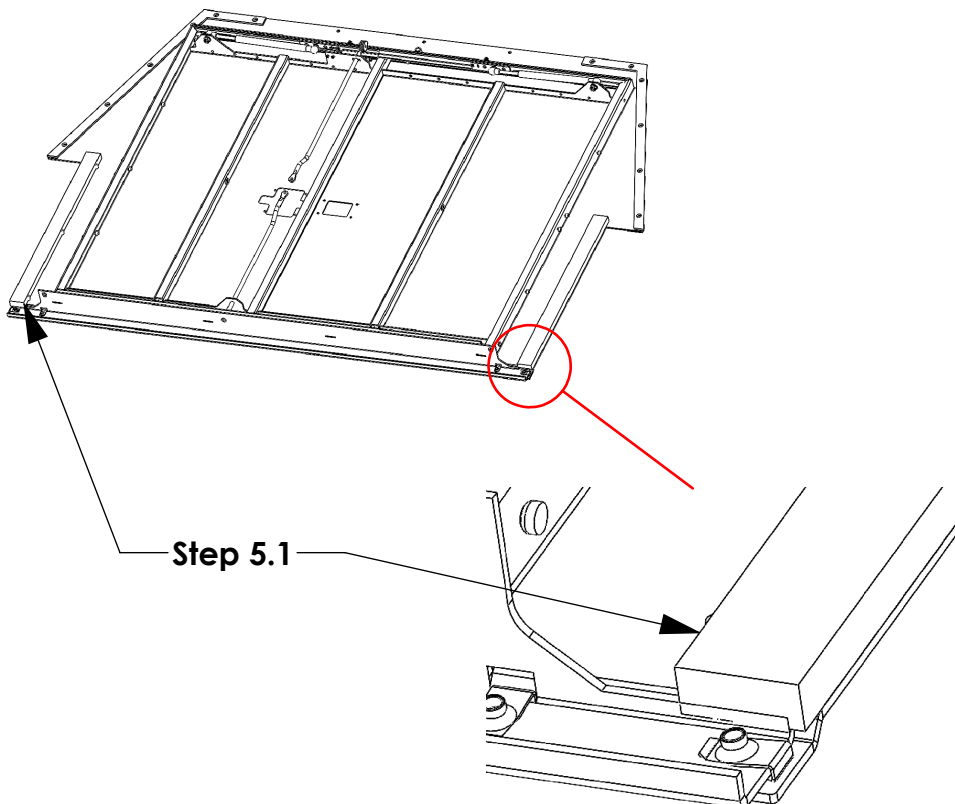
Step 5.1
ALIGN (2)77757
FOAM AT TOP
OF FLANGE OF
BARN DOOR DS
AND PS
ASSEMBLIES
AND PRESS
FIRMLY TO
ATTACH

NOTE: FOAM
PART NUMBERS
MAY VARY



Step 5.1ALT FOR
COLORADO

ALIGN (2)77757
FOAM AT THE
EDGE OF BARN
DOOR (AS
SHOWN) DS AND
PS ASSEMBLIES
AND PRESS
FIRMLY TO
ATTACH

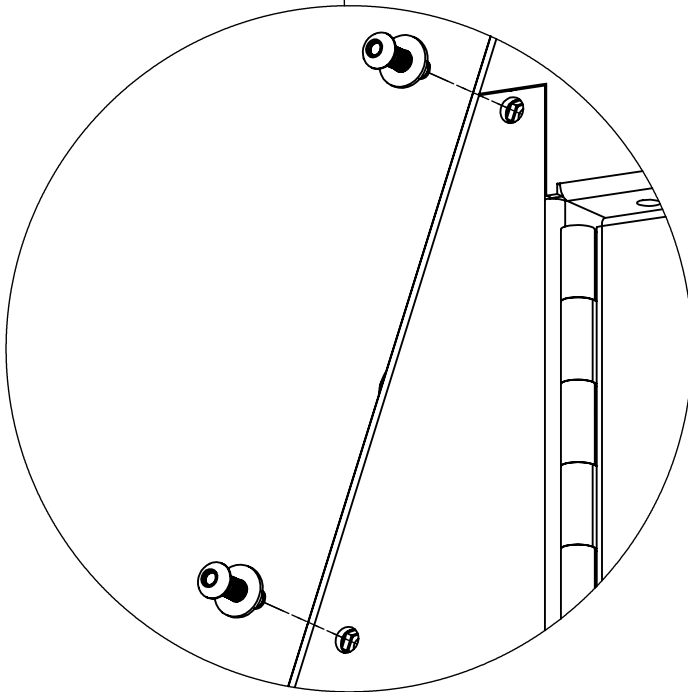
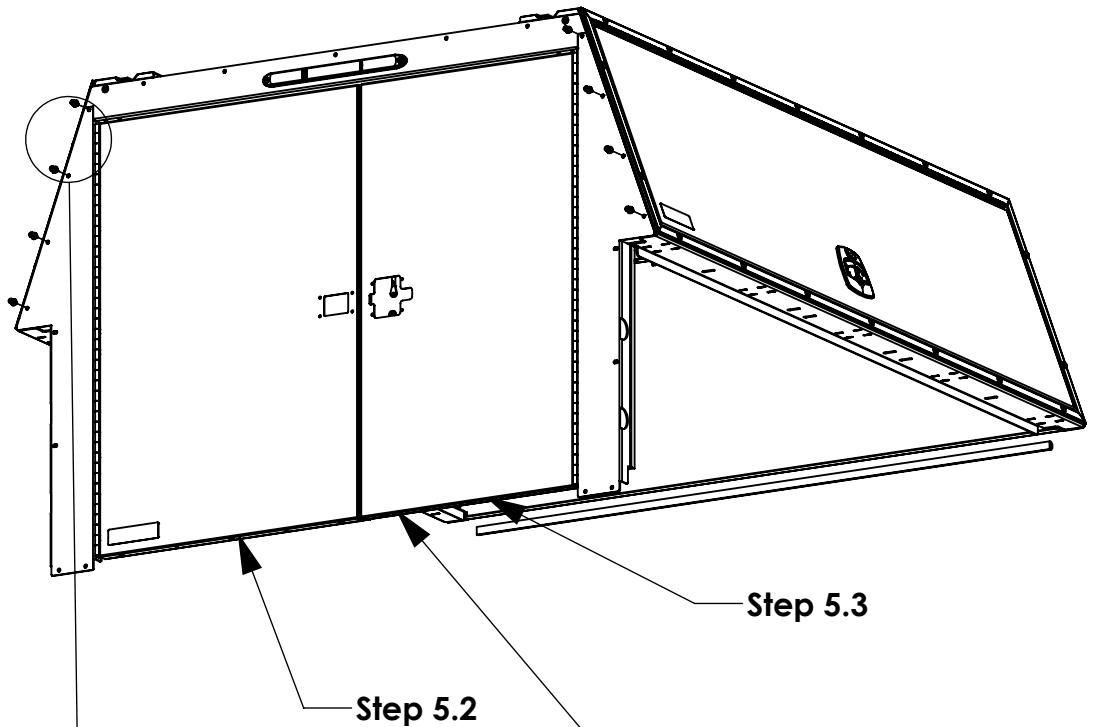


STEP 5 - ATTACH BARN DOOR DS AND PS ASSEMBLIES CONT'D**Step 5.2
ATTACH DS
ASSM**

HAND TIGHTEN
FAS0234,
FAS0920
(4 PLACES)
5/32" ALLEN

**Step 5.3
ATTACH PS
ASSM**

HAND TIGHTEN
FAS0234,
FAS0920
(4 PLACES)
5/32" ALLEN



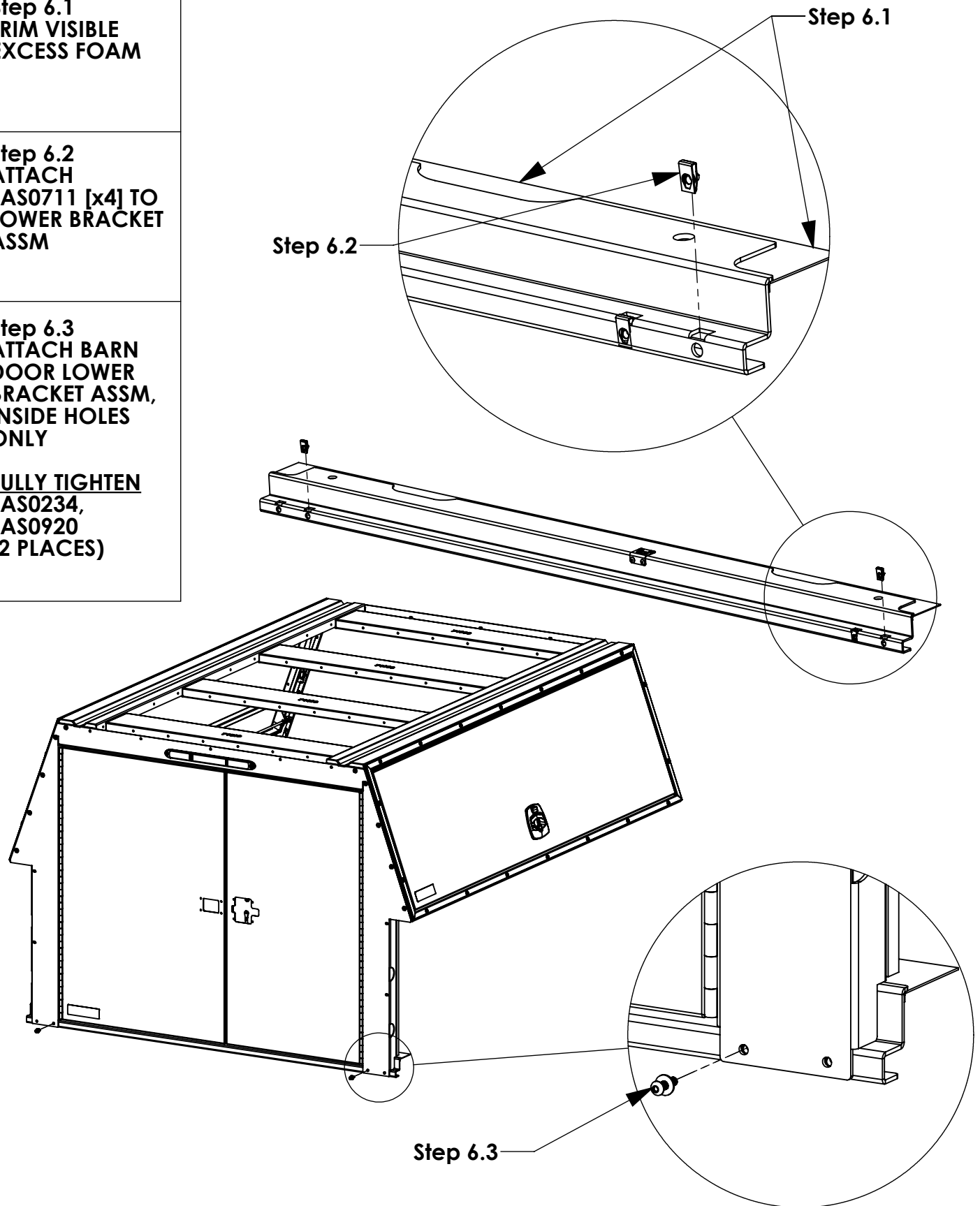
STEP 6 - ATTACH BARN DOOR LOWER BRACKET ASSEMBLY

Step 6.1
TRIM VISIBLE
EXCESS FOAM

Step 6.2
ATTACH
FAS0711 [x4] TO
LOWER BRACKET
ASSM

Step 6.3
ATTACH BARN
DOOR LOWER
BRACKET ASSM,
INSIDE HOLES
ONLY

FULLY TIGHTEN
FAS0234,
FAS0920
(2 PLACES)



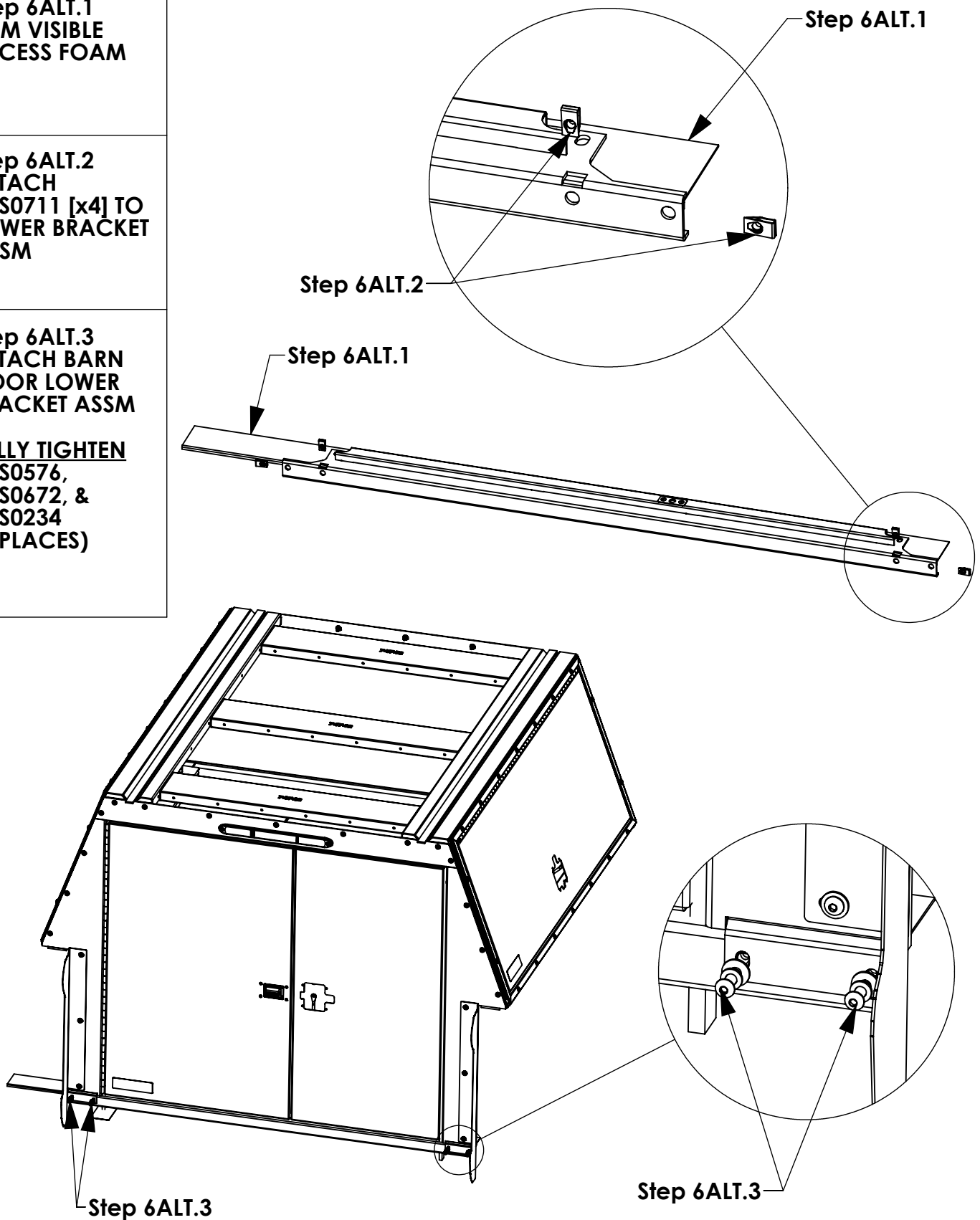
**STEP 6ALT - ATTACH BARN DOOR LOWER BRACKET ASSEMBLY
(ALTERNATE FOR COLORADO)**

**Step 6ALT.1
TRIM VISIBLE
EXCESS FOAM**

**Step 6ALT.2
ATTACH
FAS0711 [x4] TO
LOWER BRACKET
ASSM**

**Step 6ALT.3
ATTACH BARN
DOOR LOWER
BRACKET ASSM**

**FULLY TIGHTEN
FAS0576,
FAS0672, &
FAS0234
(4 PLACES)**



STEP 7 - ATTACH PS AND DS BED FILLER**Step 7.1
ATTACH DS BED
FILLER**

**PUSH INWARD
AND HAND
TIGHTEN**
FAS0234,
FAS0920,
FAS0055

**(3 PLACES)
5/32" ALLEN**

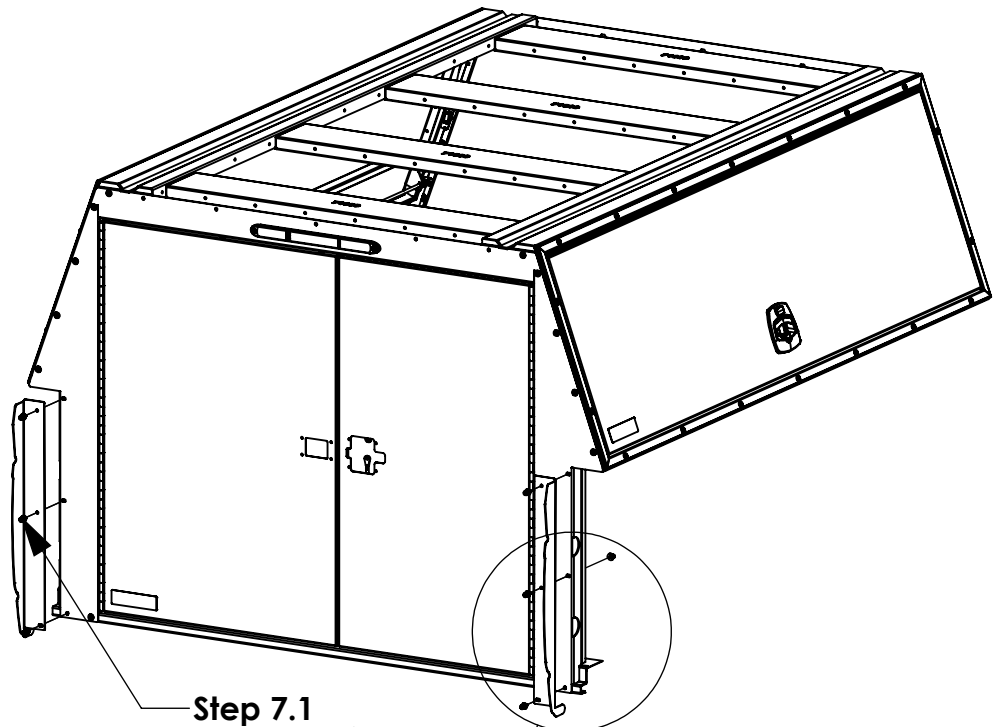
**Step 7.2
ATTACH PS BED
FILLER**

**PUSH INWARD
AND HAND
TIGHTEN**
FAS0234,
FAS0920,
FAS0055

**(3 PLACES)
5/32" ALLEN**

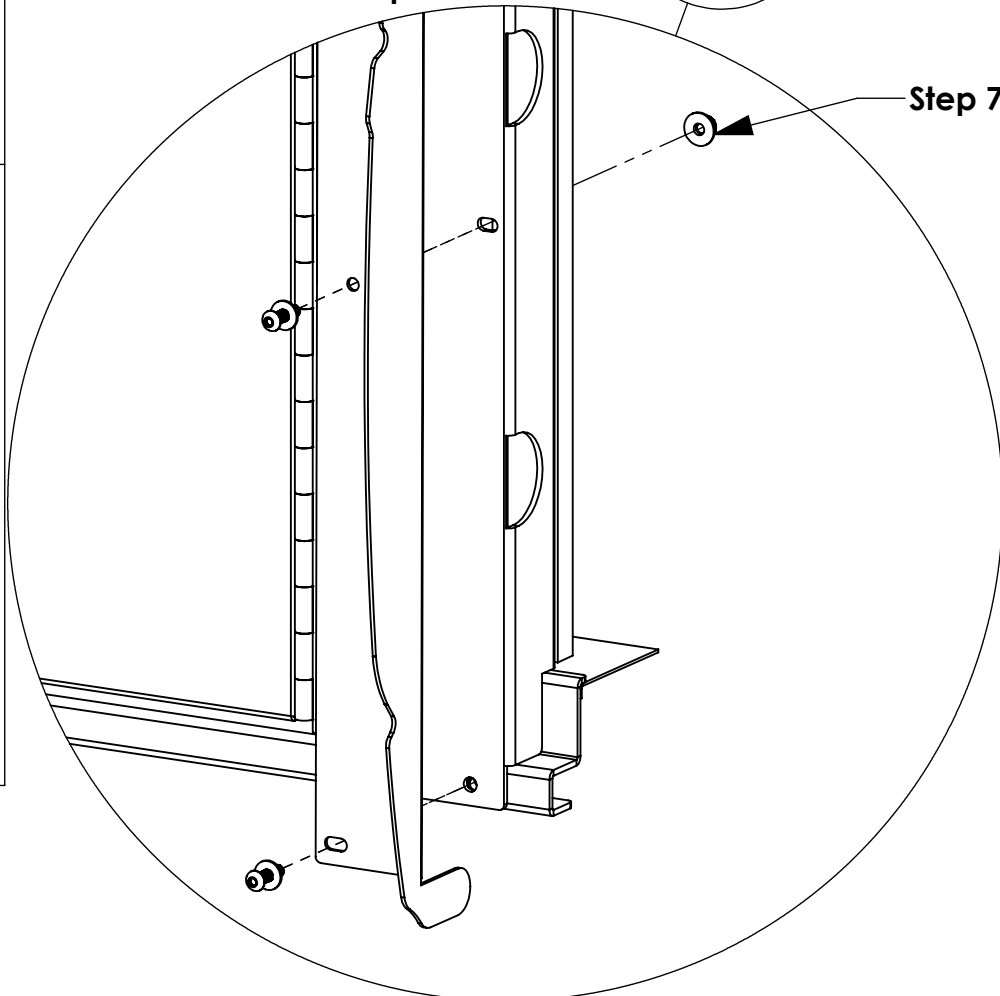
**Step 7.3
ADJUST BARN
DOOR
ASSEMBLIES SO
THAT THE TOPS
OF DOORS ARE
EVEN AND
GO BACK AND
FULLY TIGHTEN
FASTENERS
FROM STEPS 3.2,
4, 5.2, 5.3 AND
6.2**

**(22 PLACES)
5/32" ALLEN**



Step 7.1

Step 7.2



STEP 7ALT - ATTACH PS AND DS BED FILLER (ALTERNATE FOR COLORADO)

Step 7ALT.1 ATTACH DS BED FILLER

**PUSH INWARD
AND HAND
TIGHTEN**
FAS0234,
FAS0576,
FAS0055

**(3 PLACES)
5/32" ALLEN**

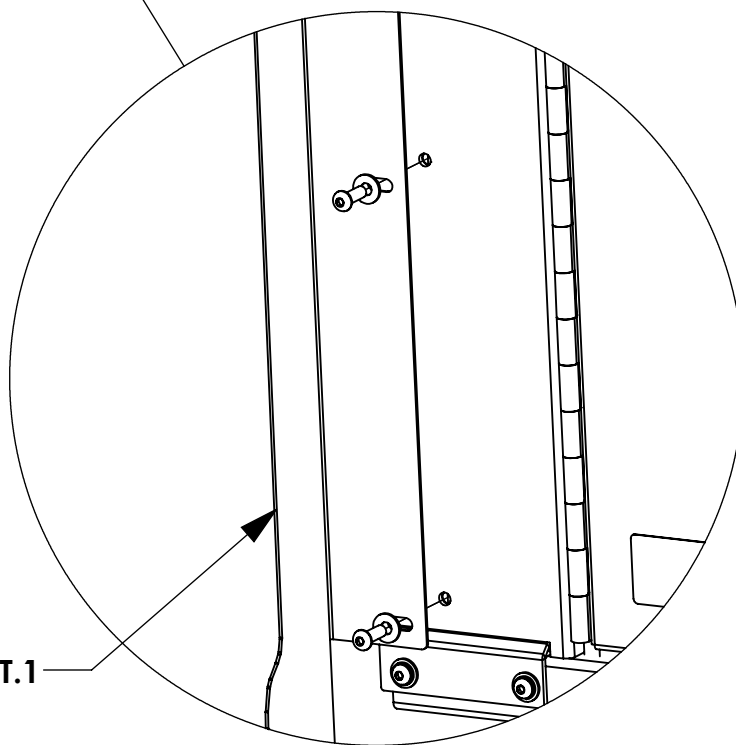
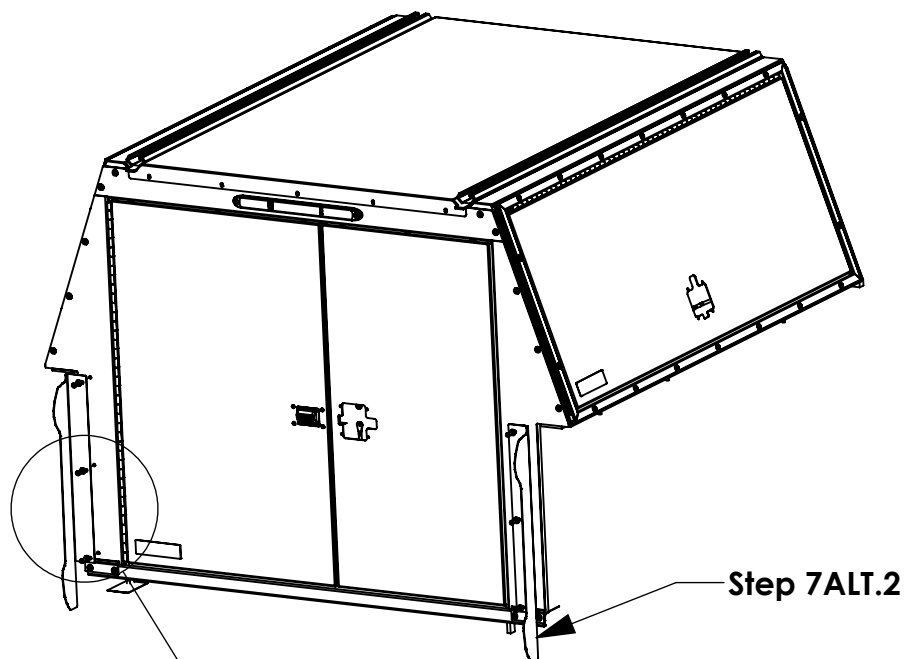
Step 7ALT.2 ATTACH PS BED FILLER

**PUSH INWARD
AND HAND
TIGHTEN**
FAS0234,
FAS0576,
FAS0055

**(3 PLACES)
5/32" ALLEN**

**Step 7ALT.3
ADJUST BARN
DOOR
ASSEMBLIES SO
THAT THE TOPS
OF DOORS ARE
EVEN AND
GO BACK AND
FULLY TIGHTEN
FASTENERS
FROM STEPS 3.2,
4, 5.2, 5.3 AND
6.2**

**(22 PLACES)
5/32" ALLEN**



STEP 8 - ATTACH BARN DOOR HANDLE

Step 8.1
CUT ZIP TIES
THAT ARE
HOLDING
LOCKRODS IN
PLACE

!! CAUTION !!
DOORS MAY
TRY TO OPEN

Step 8.2
ATTACH HANDLE
TO DOOR

FULLY TIGHTEN
FAS0917
(4 PER DOOR)
10mm SOCKET

DO NOT
OVERTIGHTEN

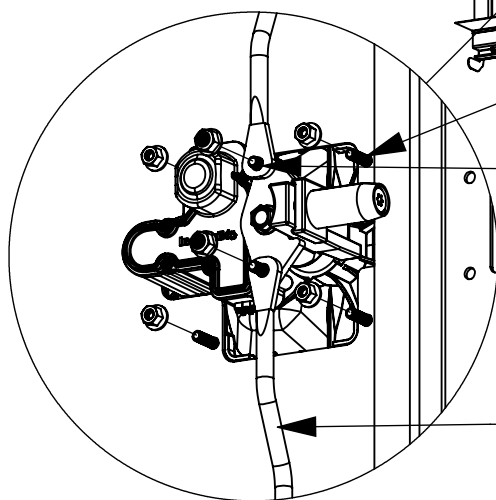
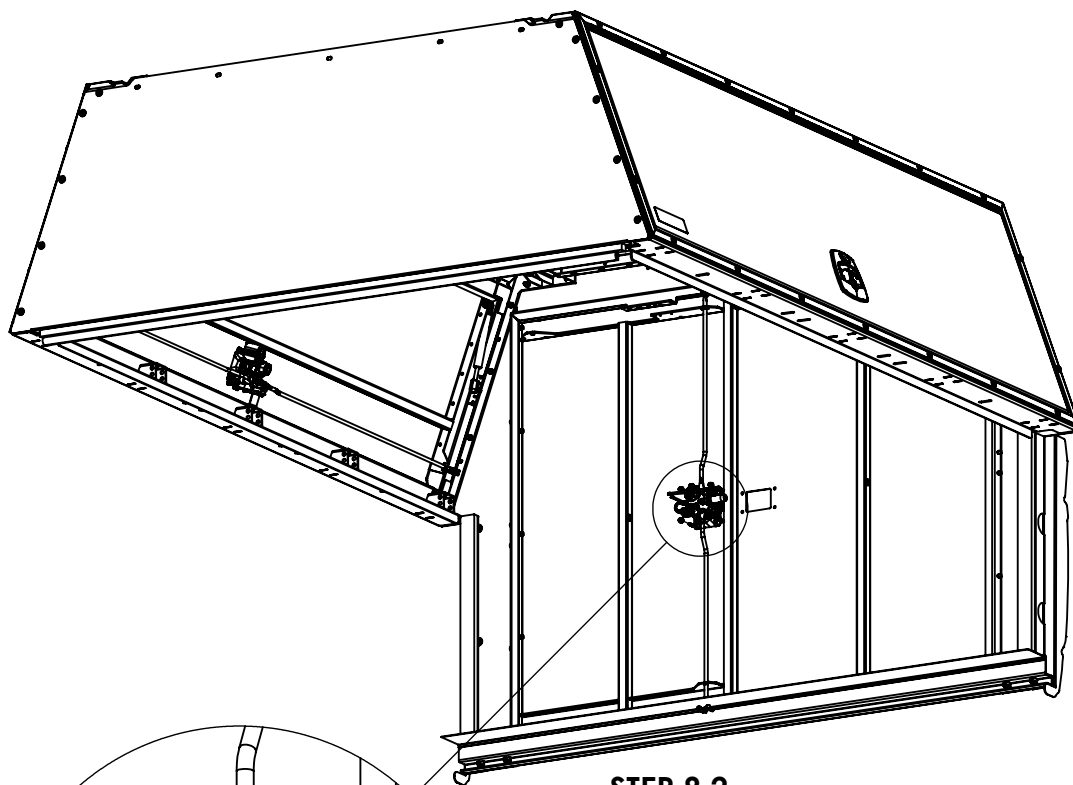
Step 8.3
ATTACH
LOCKRODS TO
HANDLE

FULLY TIGHTEN
FAS0918
(2 PLACES)
8mm SOCKET

DO NOT
OVERTIGHTEN

Step 8.4
ADJUST HANDLE
POINT TO ALIGN
WITH CASTING
LINE ON HANDLE
BODY
(APPROX: 1.0")

FULLY TIGHTEN
4mm ALLEN
(2 PLACES)



STEP 8.2

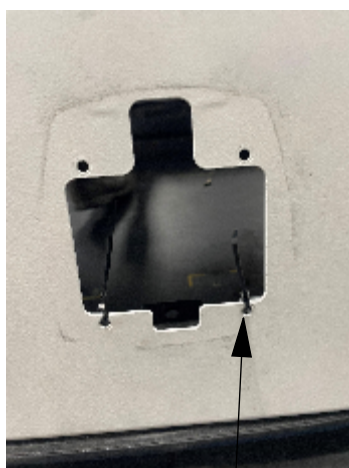
STEP 8.3



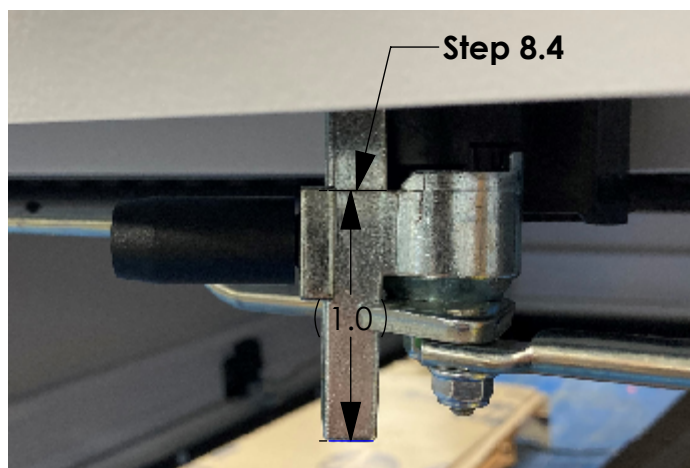
STEP 8.2 & 8.3
HAVE DIFFERENT
SIZED FASTENERS



NOTE THAT ORIENTATION
OF LOCKRODS IS CRITICAL



Step 8.1



STEP 9 - ATTACH ROOF AND ROOF RAILS

Step 9.1
SET ROOF PANEL
ON TOPPER BODY



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

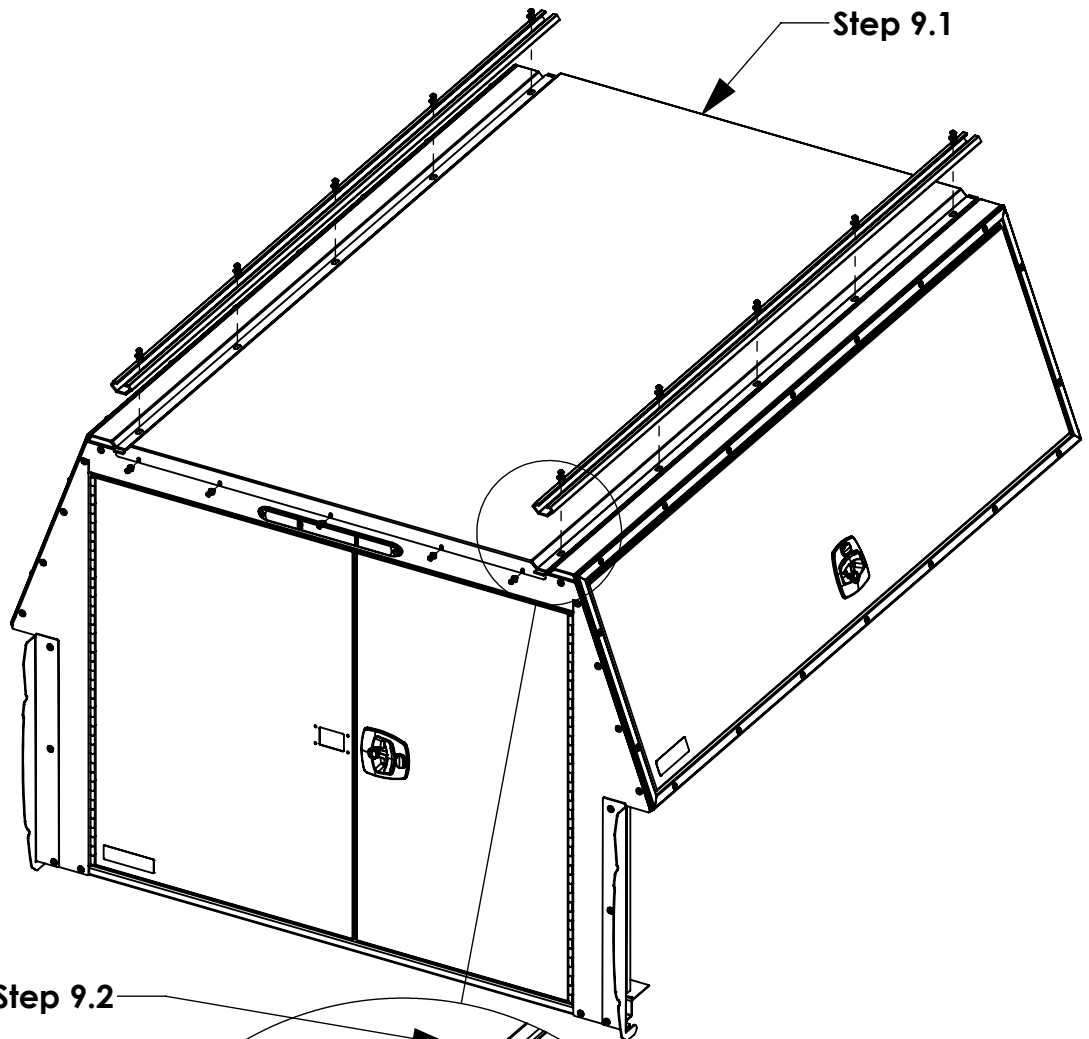
Step 9.2
ATTACH
MOUNTING RAILS
TO TOPPER BODY.

USE AN
ALIGNMENT
PUNCH TO POKE
THROUGH SEALS

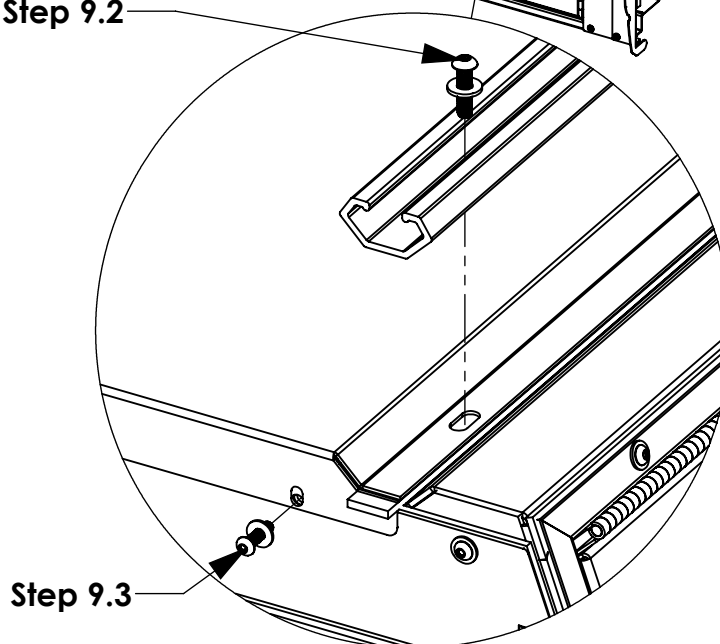
FULLY TIGHTEN
FAS0552,
FAS0919
(10 PLACES)
3/16" ALLEN

Step 9.3
ATTACH ROOF
TO TOPPER
BODY.

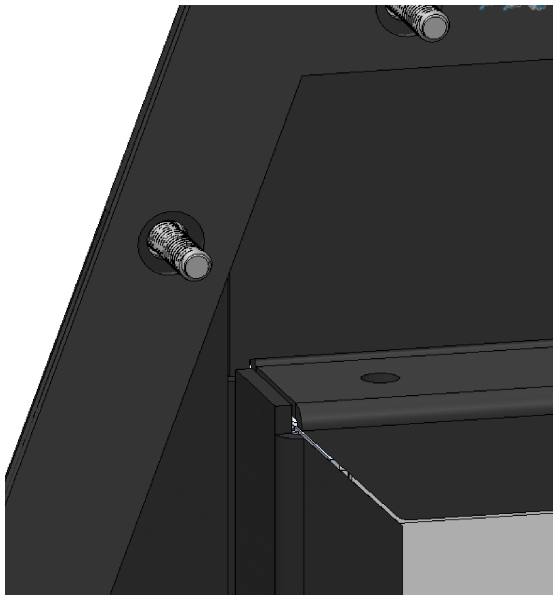
FULLY TIGHTEN
FAS0055,
FAS0552,
FAS0920
(10 PLACES)
5/32" ALLEN
7/16" WRENCH



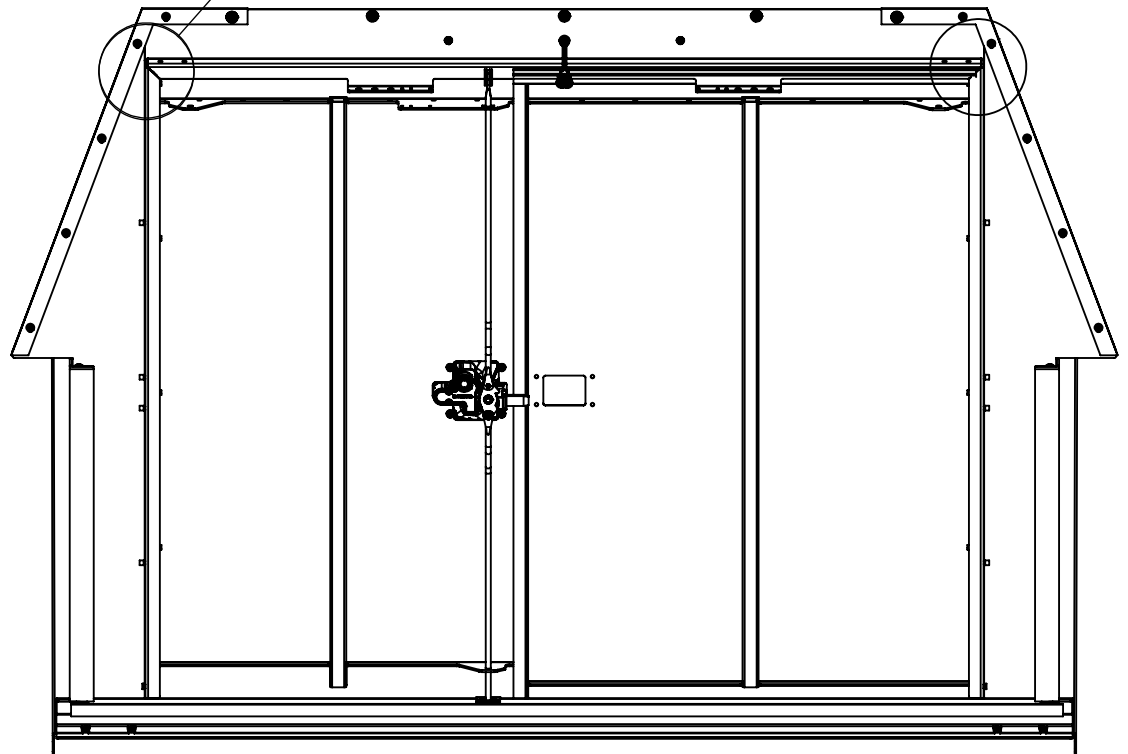
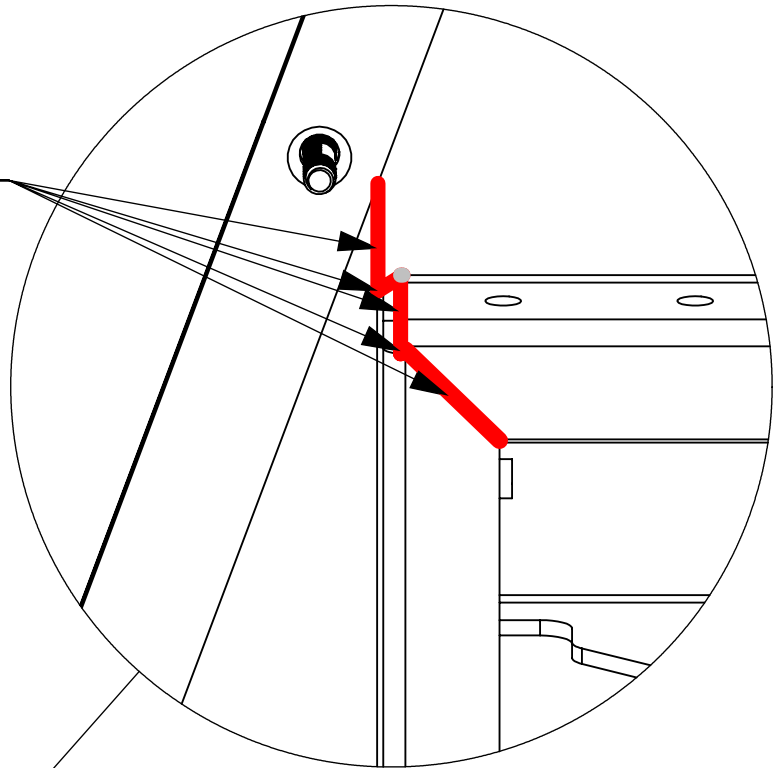
Step 9.2



Step 10
SILICONE ALONG
SEAM AS SHOWN,
BOTH ENDS



SILICONE

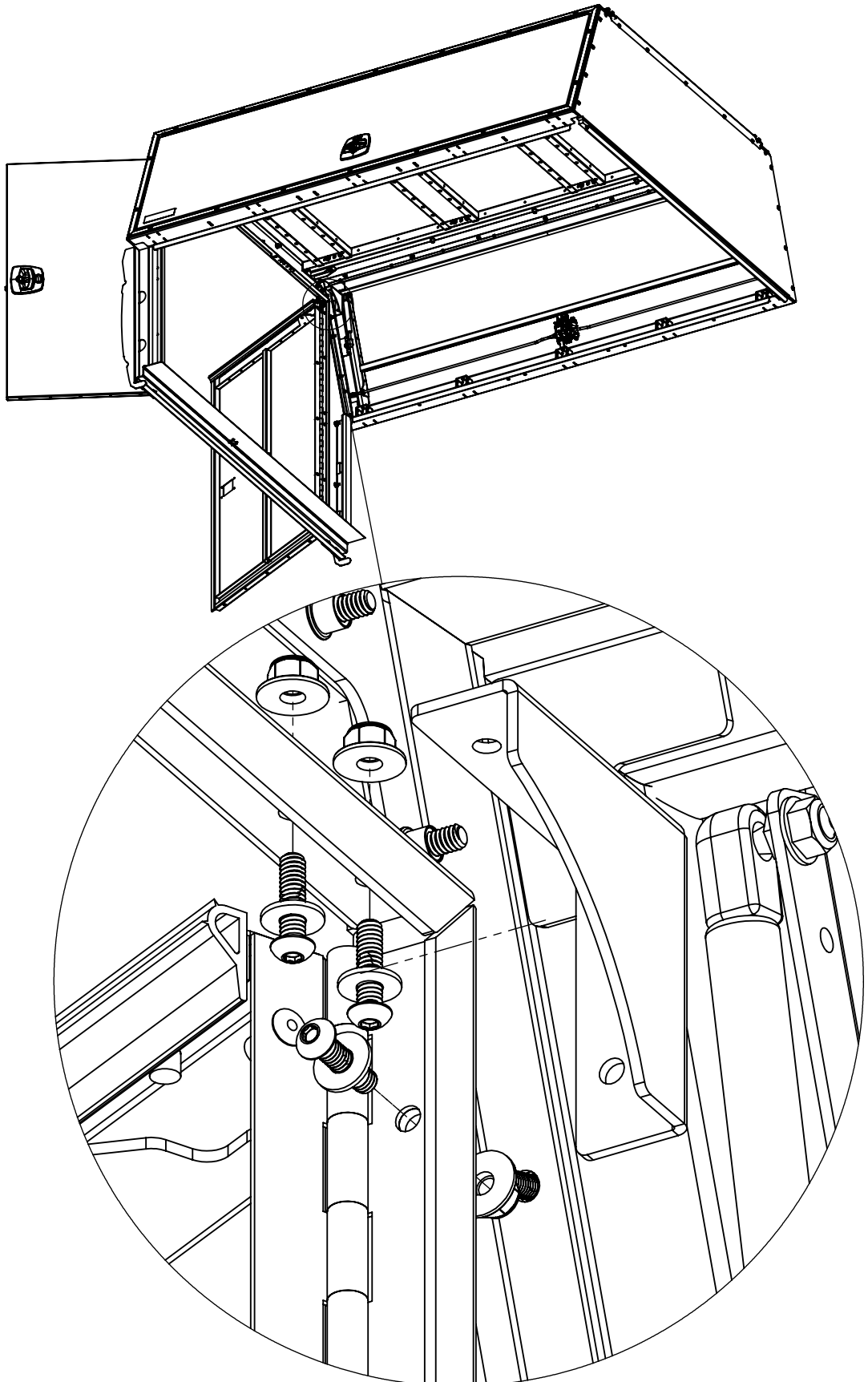


STEP 11 - ATTACH CORNER GUSSETS

Step 11
ATTACH CORNER
GUSSETS, BOTH
ENDS

FULLY TIGHTEN
FAS0920
FAS0234
FAS0055

(6 PLACES)
5/32" ALLEN



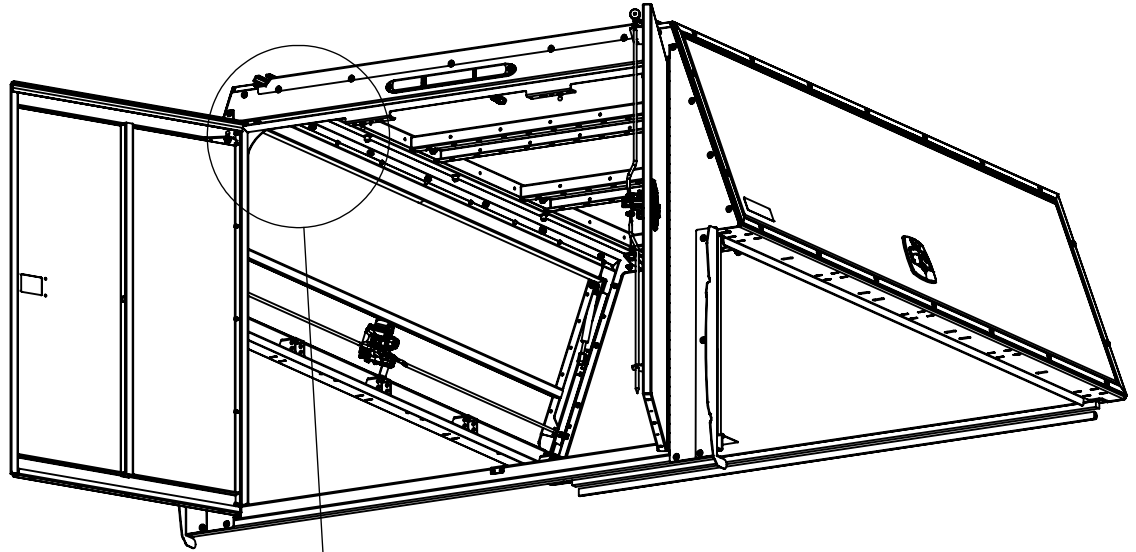
STEP 12 - INSTALL BALL STUDS

Step 12 INSTALL BALL STUDS

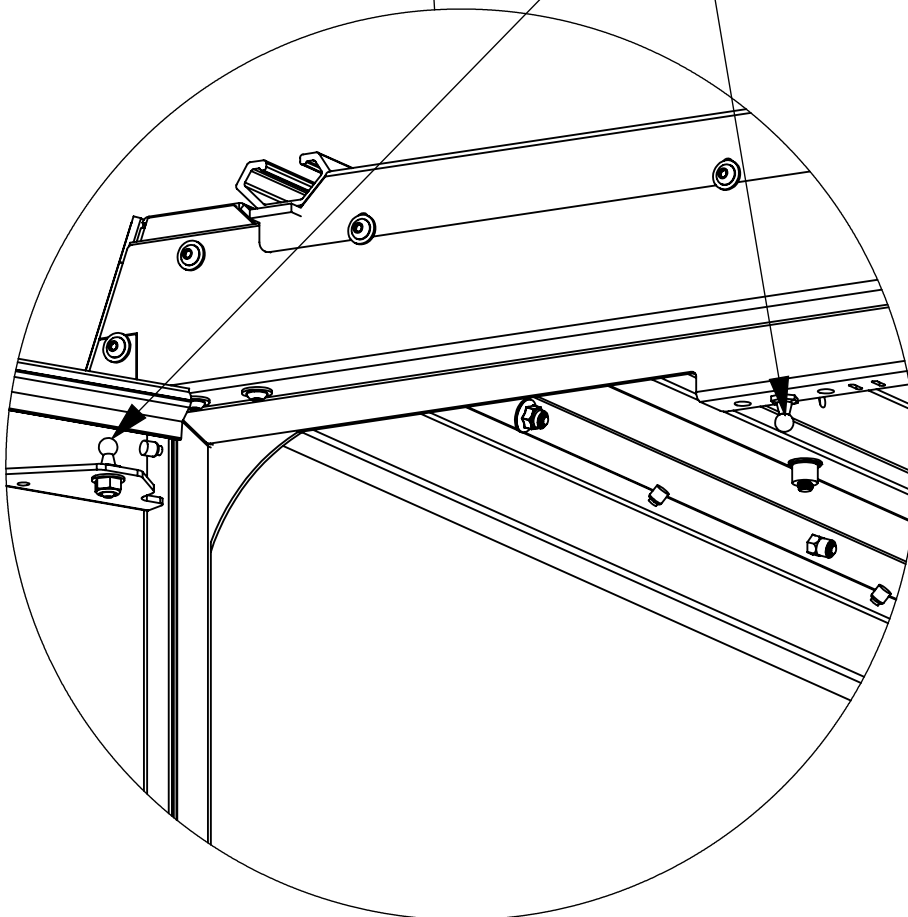
FULLY TIGHTEN
30015-0
FAS0861

(4 PLACES)
1/2" WRENCH

***NOTE: MOUNT**
IN CENTER HOLES
FOR FORDS



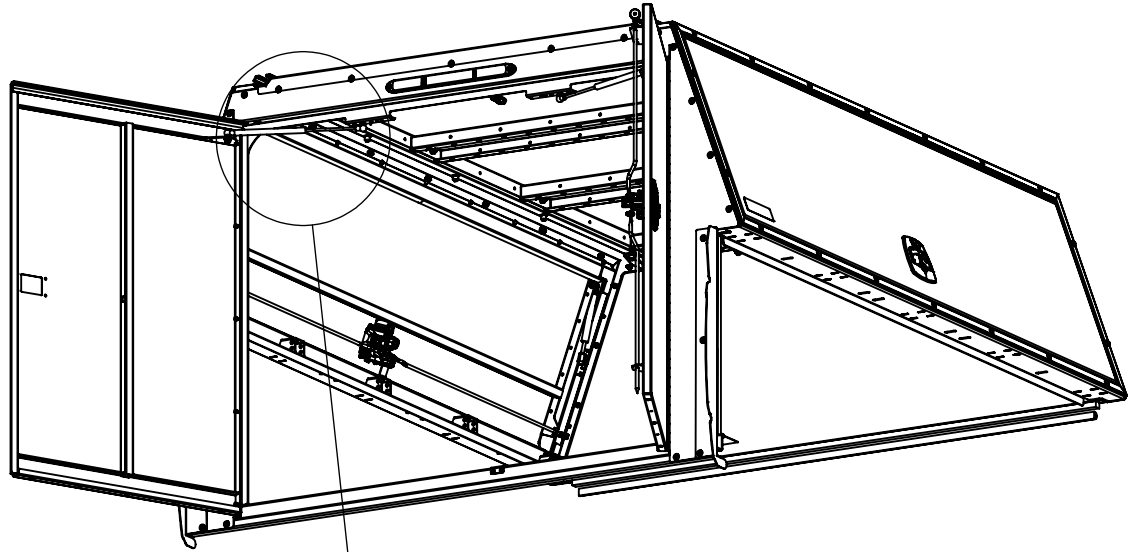
**BALL STUD UPWARD ON DOOR,
DOWNWARD ON FRAME**



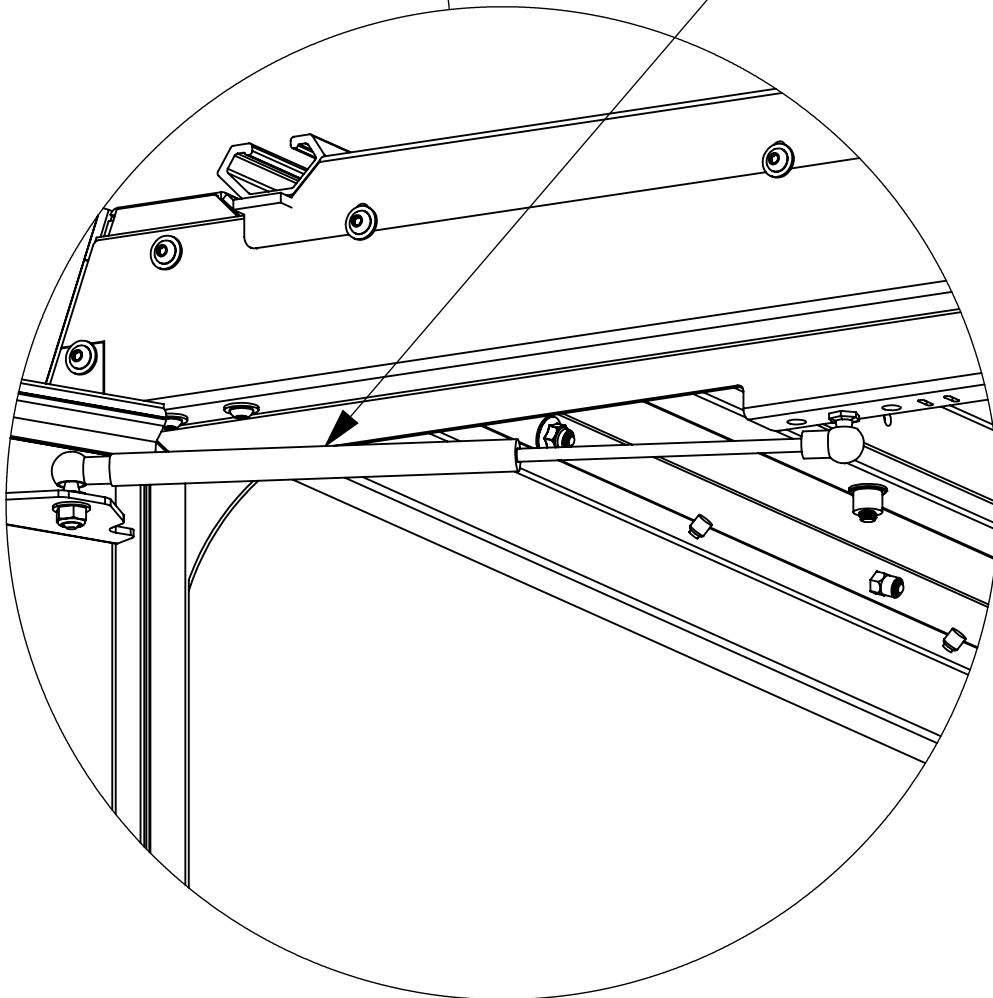
STEP 13 - INSTALL SHOCKS

Step 13 INSTALL SHOCKS

**77108 (20#)
(2 PLACES)**



BARREL TO DOOR



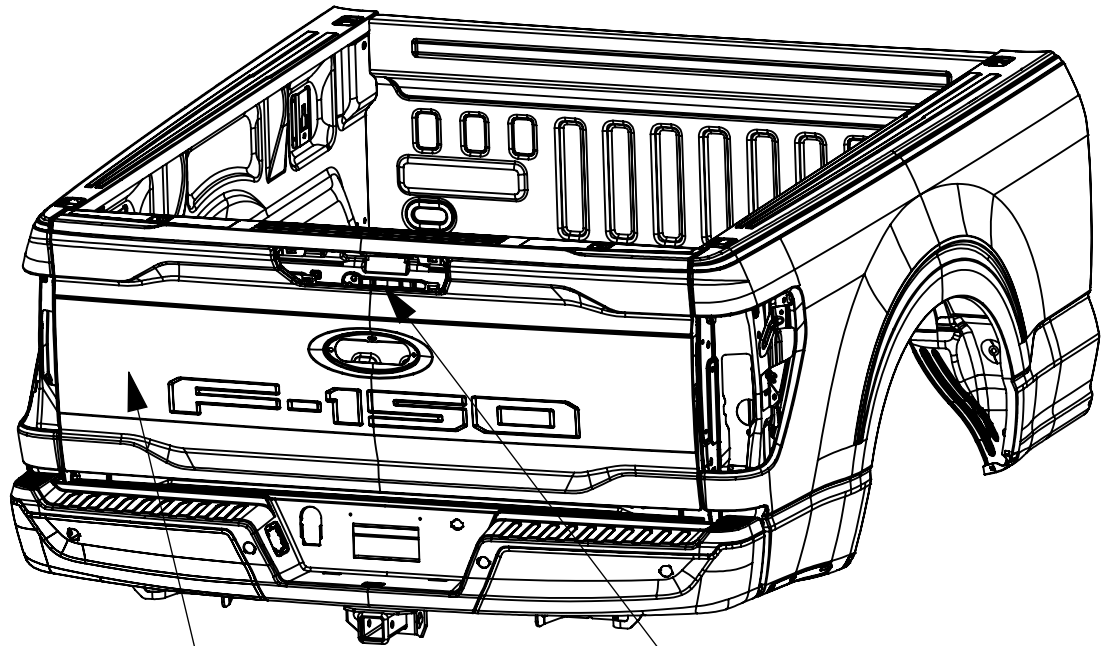
STEP 14 - REMOVE BACKUP CAMERA AND TAILGATE

Step 14.1
REMOVE BACKUP
CAMERA PER
77217
RELOCATION
INSTRUCTIONS
77963

Step 14.2
REMOVE
TAILGATE PER
OEM GUIDLINES



NOTE: CONTACT
CUSTOMER FOR
DISPOSITION OF
REMOVED
TAILGATE



Step 14.1

Step 14.2

STEP 15 - ATTACH SEALS TO TRUCK BED AND TOPPER LOCATION RELATIVE TO FRONT OF TRUCK BED

Step 15.1
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 15.2
WHEN PLACING THE TOPPER ON THE TRUCK BED ALIGN THE FRONT PANEL INSIDE FLANGE EDGE AND 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.

NOTE: BASED ON DIFFERENT VEHICLE MODEL YEARS AND BED VARIATION, THE TOPPER LOCATION MAY VARY. IT MAY REQUIRE THE INSIDE EDGE FLANGE TO BE PLACED AT THE INSIDE EDGE OF THE BED TO LOCATE TOPPER PROPERLY AT REAR OF VEHICLE.

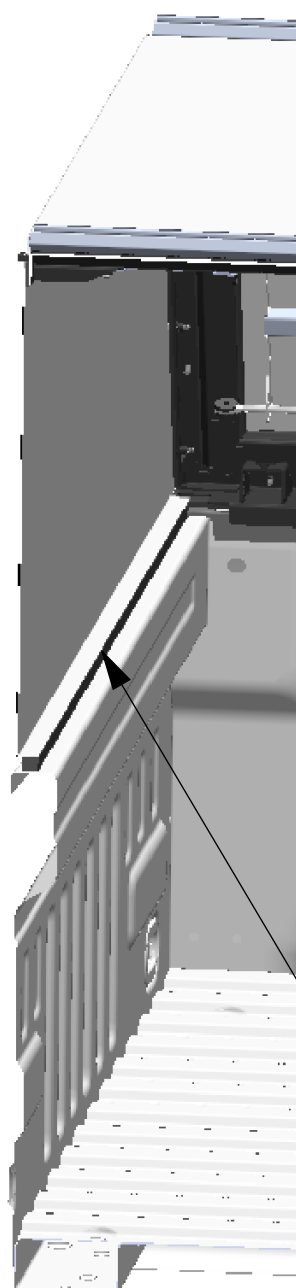
NOTE: IT IS RECOMMENDED THAT YOU LOAD THE TOPPER ONTO A TRUCKBED WITH ONE OF THE FOLLOWING METHODS:

- 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.

TABLE 1:

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

TOP VIEW

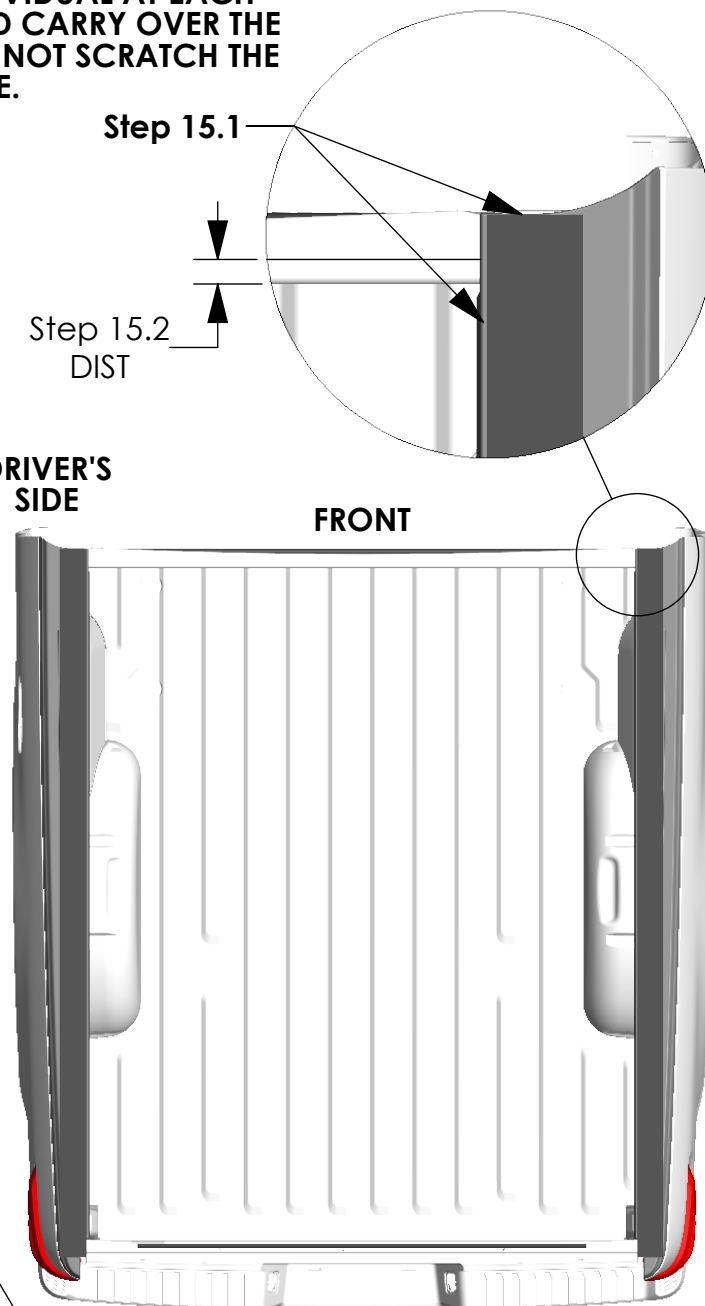


Step 15.1

Step 15.2
DIST

DRIVER'S
SIDE

FRONT



Step 15.2

STEP 15 - ATTACH SEALS TO TRUCK BED AND TOPPER LOCATION RELATIVE TO FRONT OF TRUCK BED

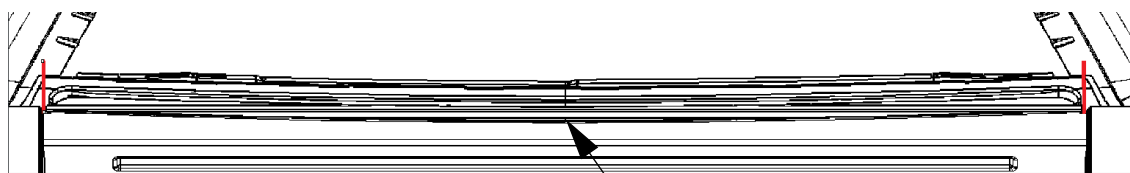
Step 15.3
PLACE 81456
GASKET IN THE
GAP BETWEEN
THE TRUCK BED
AND CAB.



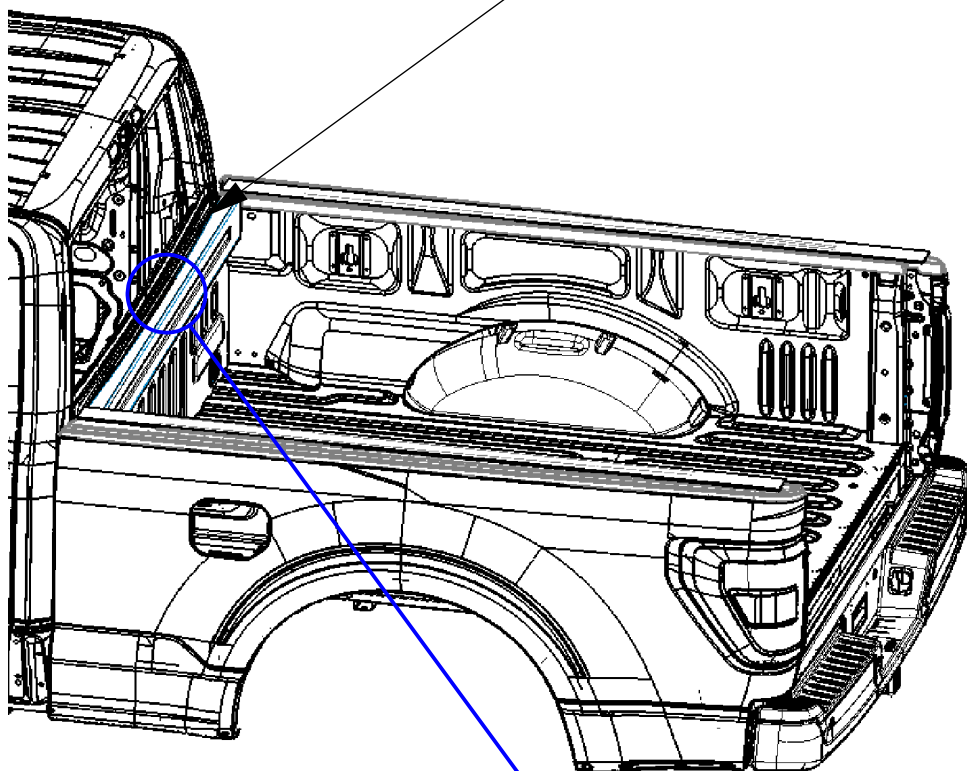
BEFORE
ATTACHING TO
TRUCK BED,
CLEAN AND PREP
AREA. DO NOT
ATTACH TO
PLASTIC TRIM. IF
TRIM IS ON
FRONT OF BED
ATTACH TO CAB.

ONCE AREA IS
PREPARED
CENTER GASKET
ON THE REAR
WINDOW.

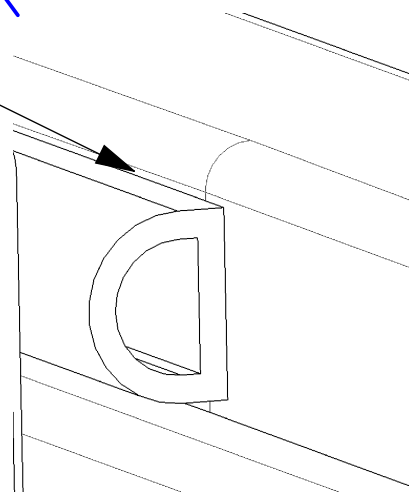
MAKE SURE THAT
GASKET HAS FULL
SURFACE
CONTACT SO
ADHESIVE WILL
PROPERLY BOND.



Step 15.3



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



STEP 16 - ATTACH TOPPER TO TRUCK BED. CONT'D ON NEXT PAGE FOR LOCATING INSTRUCTIONS SPECIFIC TO SILVERADO 1500/2500.

Step 16.1
USE THE HOLES IN THE BD LOWER BRACKET ASSM TO MARK FOR PLUS NUTS.



(2 PLACES)
NOTE: YOU WILL HAVE TO REMOVE FOAM FROM THE HOLES.

Step 16.2
MOVE TOPPER REARWARD TO DRILL HOLES FOR PLUSNUTS. SPRAY PAINT HOLES.

1/2" STEP DRILL BIT

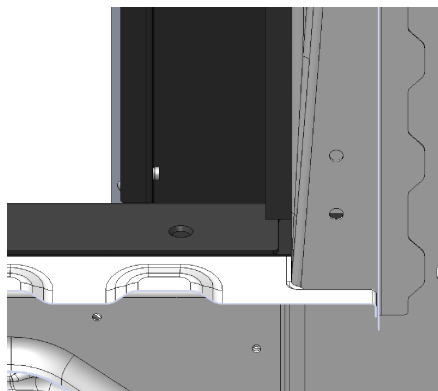
Step 16.3
SET PLUSNUTS USING PLUSNUT SETTING TOOL OR AIR POWERED SETTING GUN.

FAS0222

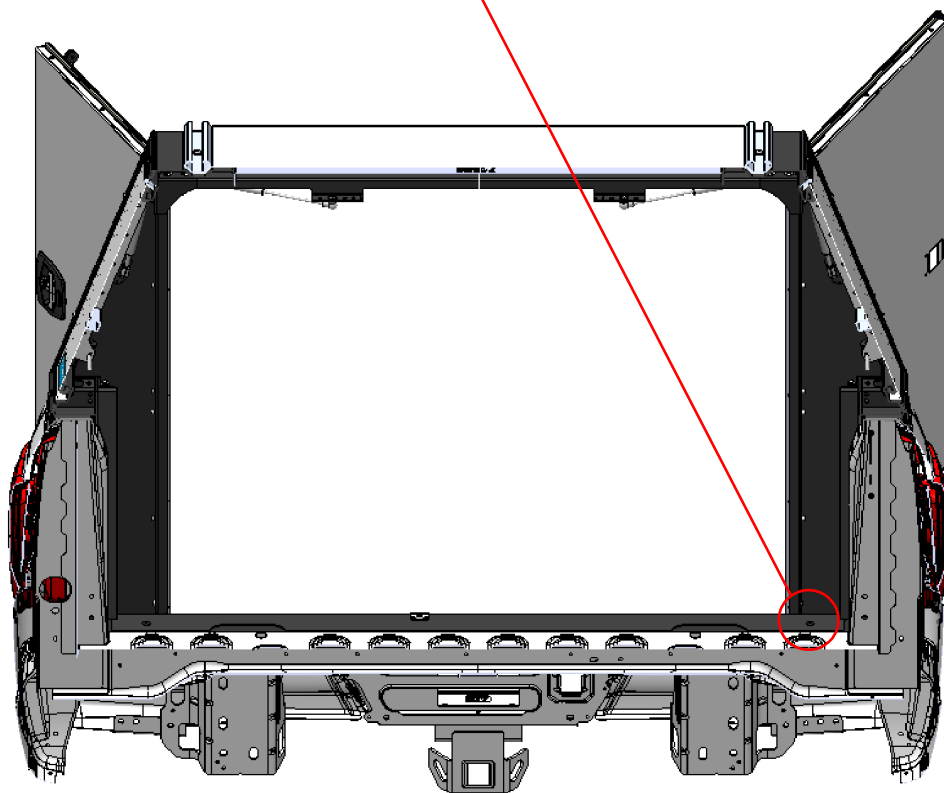
Step 16.4
REPLACE TOPPER TO ORIGINAL LOCATION AND FASTEN TOPPER TO THE TRUCK BED

FULLY TIGHTEN
FAS1279
(2 PLACES)
T40 TORX BIT

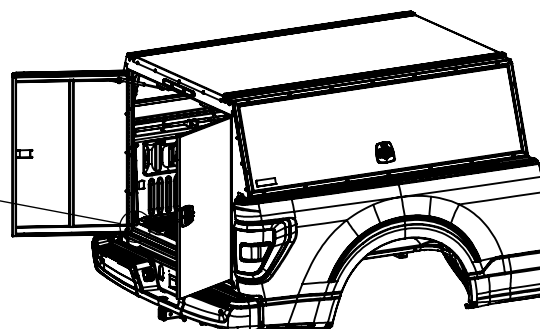
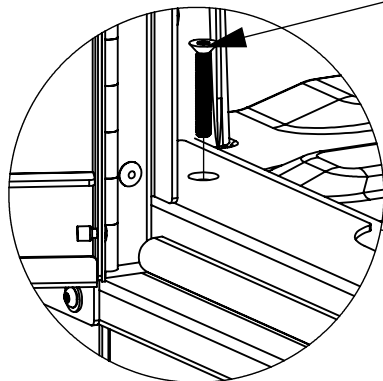
FAS0242,
FAS0552 [x2]
FAS0248
(8 PLACES)
1/2" SOCKET
1/2" WRENCH



VIEW LOOKING FROM FRONT TO BACK



FAS1279



STEP 16 ALT CONT'D - ATTACH TOPPER TO TRUCK BED CONT'D. SPECIFIC TO SILVERADO 1500/2500.

Step 16ALT.5
USE THE HOLES IN
THE BD LOWER
BRACKET ASSM
TO IDENTIFY BED
STRIPS FOR
PLUSNUTS.



**DO NOT MARK.
SEE BELOW**

(2 PLACES)

Step 16ALT.6
TO LOCATE
PLUSNUTS
MEASURE 2"
FROM END OF
PLASTIC BED
INSERT AND
MARK BED.

(2 PLACES)

Step 16ALT.7
REPLACE BD
LOWER BRACKET
ASSM AND
LOCATE
MARKINGS. USE
BRACKET HOLES
TO CENTER
HOLES FROM DS
AND PS.

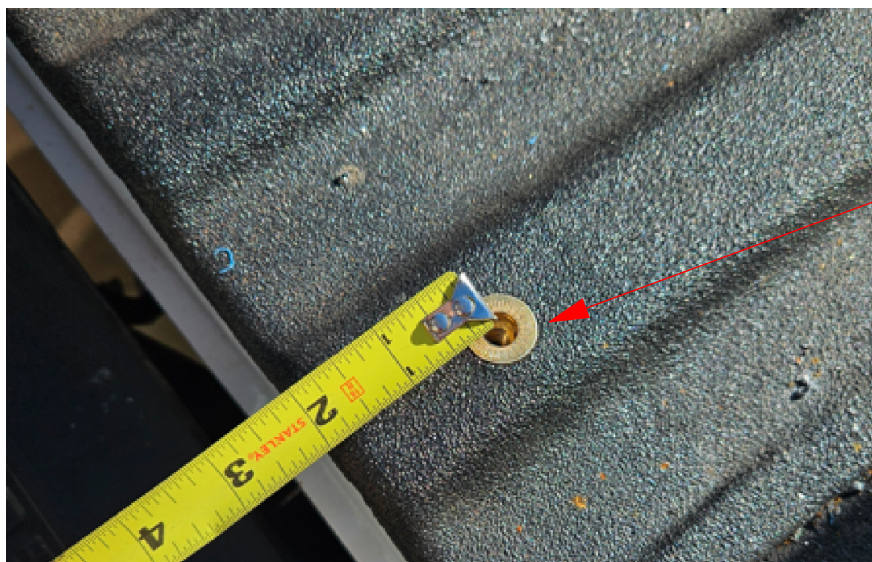
(2 PLACES)

**TO COMPLETE
INSTALLATION
SEE Steps 16.2,
16.3 AND 16.4.**

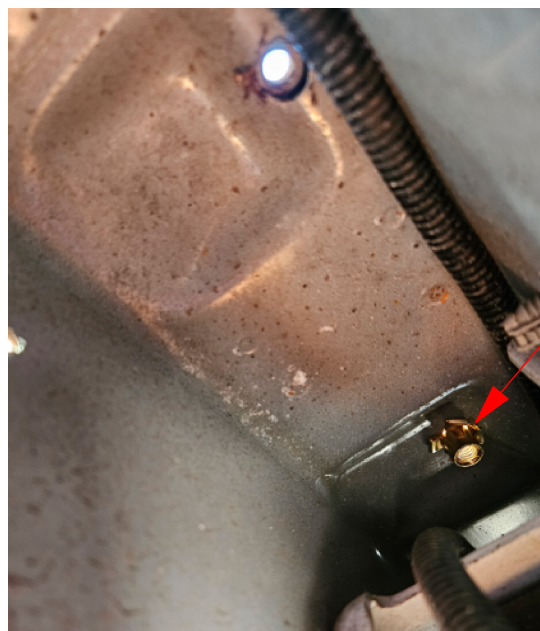
Step 16ALT.5



Step 16ALT.6



Step 16ALT.6
LOCATION WILL PLACE
PLUSNUT IN CAVITY
UNDERNEATH BED FOR
PROPER SEATING



STEP 16 ALT CONT'D - ATTACH TOPPER TO TRUCK BED, CONT'D (ALTERNATE FOR COLORADO)

Step 16ALT.8
USE THE HOLES IN
THE BD LOWER
BRACKET ASSM
TO MARK FOR
PLUS NUTS.



(2 PLACES)
NOTE: YOU WILL
HAVE TO
REMOVE FOAM
FROM THE
HOLES.

Step 16ALT.9
MOVE TOPPER
REARWARD TO
DRILL HOLES FOR
PLUSNUTS.
SPRAY PAINT
HOLES.

**1/2" STEP DRILL
BIT**

Step 16ALT.10
SET PLUSNUTS
USING PLUSNUT
SETTING TOOL
OR AIR
POWERED
SETTING GUN.

FAS0222

Step 16ALT.11
REPLACE TOPPER
TO ORIGINAL
LOCATION AND
FASTEN TOPPER
TO THE TRUCK
BED

FULLY TIGHTEN

FAS0671

FAS0672

FAS0234

(2 PLACES)

FAS0242,

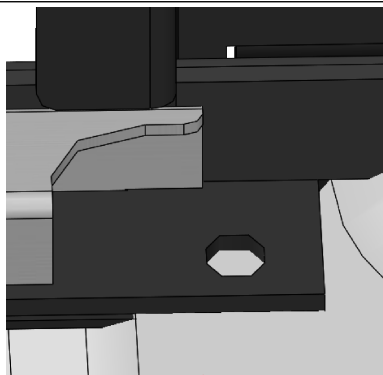
FAS0552 [x2]

FAS0248

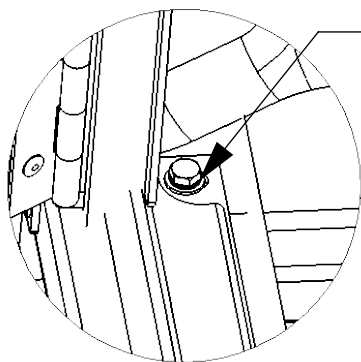
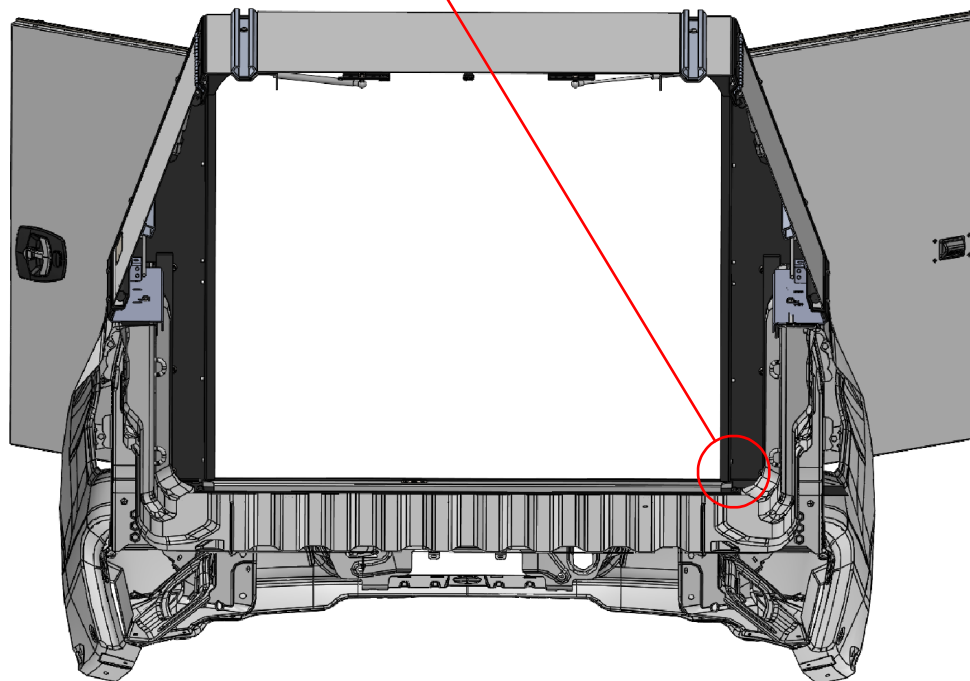
(8 PLACES)

1/2" SOCKET

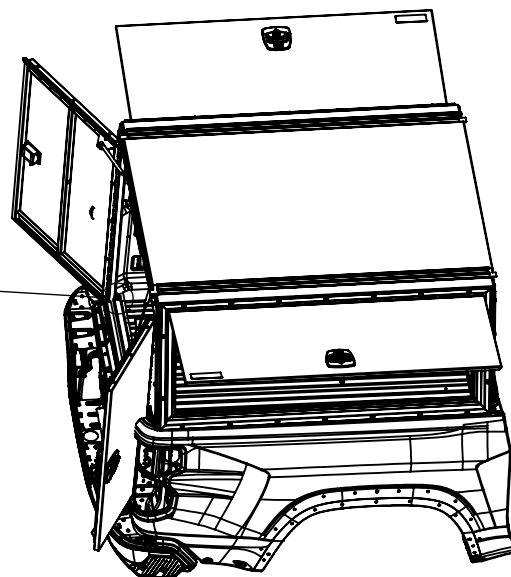
1/2" WRENCH



**VIEW LOOKING FROM
FRONT TO BACK**



**FAS0671
FAS0672
FAS0234**



STEP 16 CONT'D - 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.

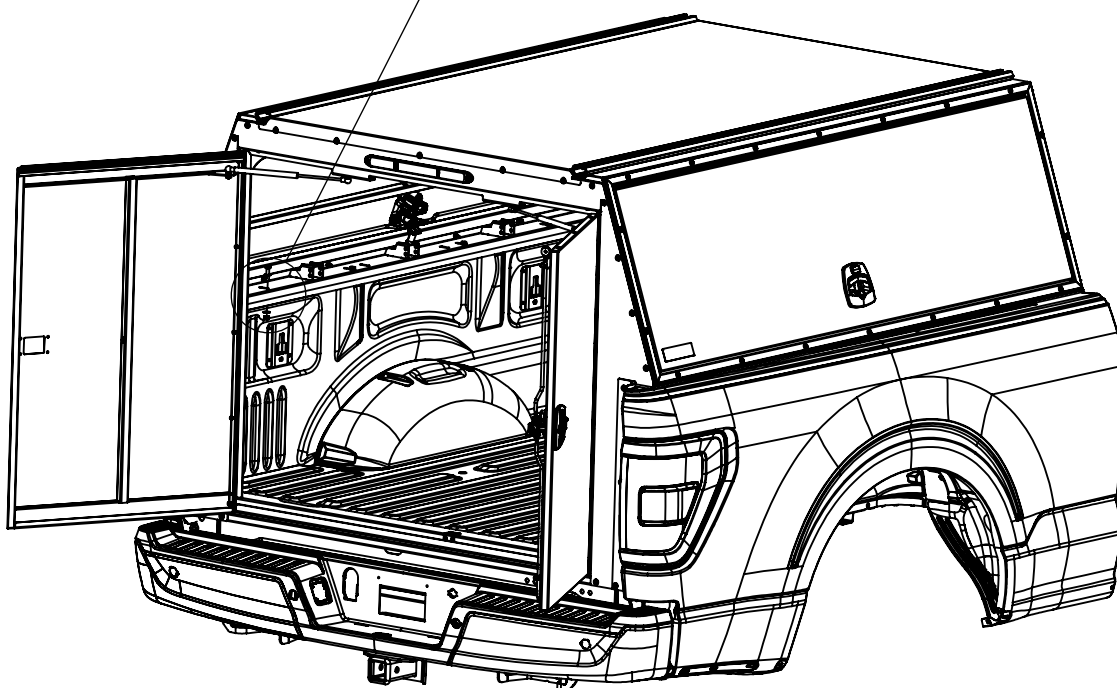
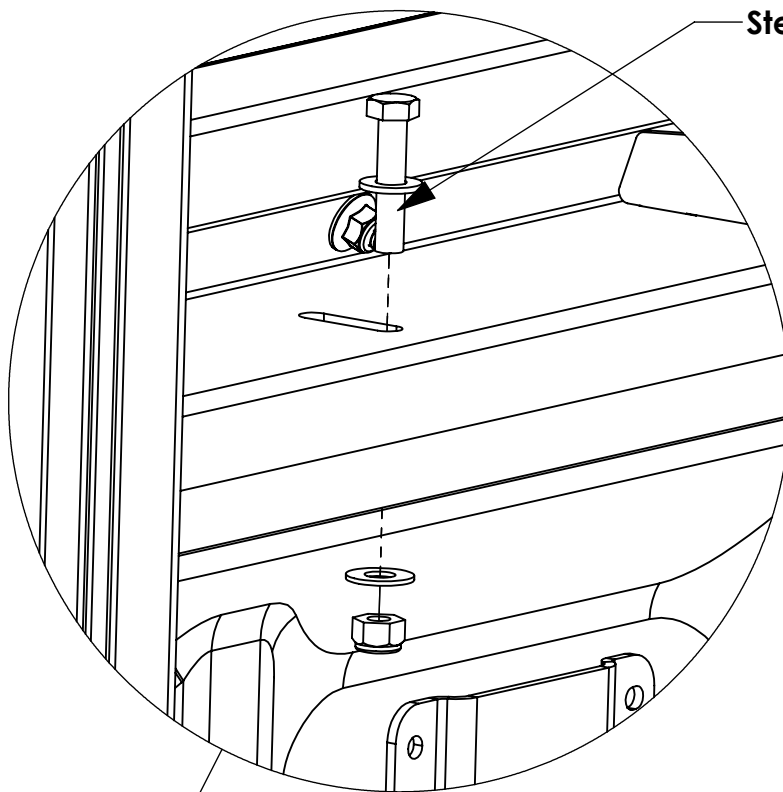
Step 16.13
USE HOLES IN THE
BED RAIL TO
MARK AND DRILL
MOUNTING
LOCATIONS. IT IS
NOT NECESSARY
TO REMOVE THE
TOPPER FOR THIS
STEP.

(8 PLACES)
11/32" DRILL BIT



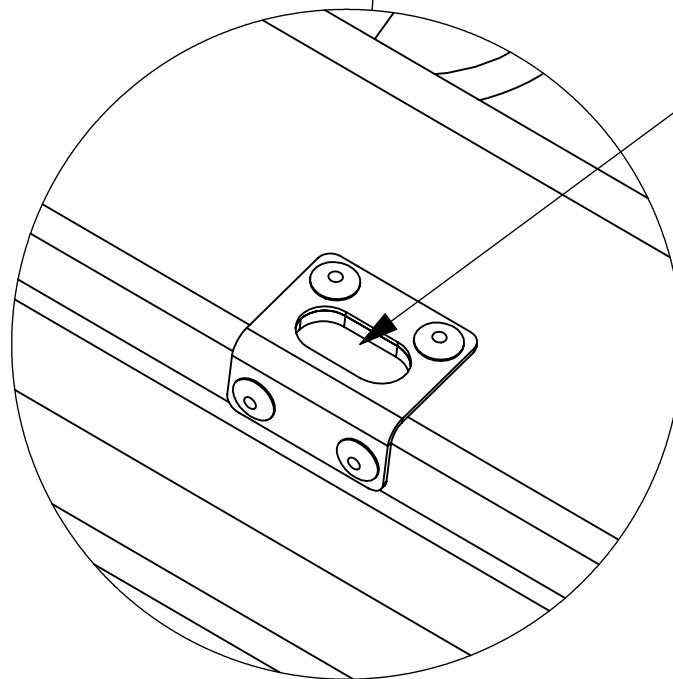
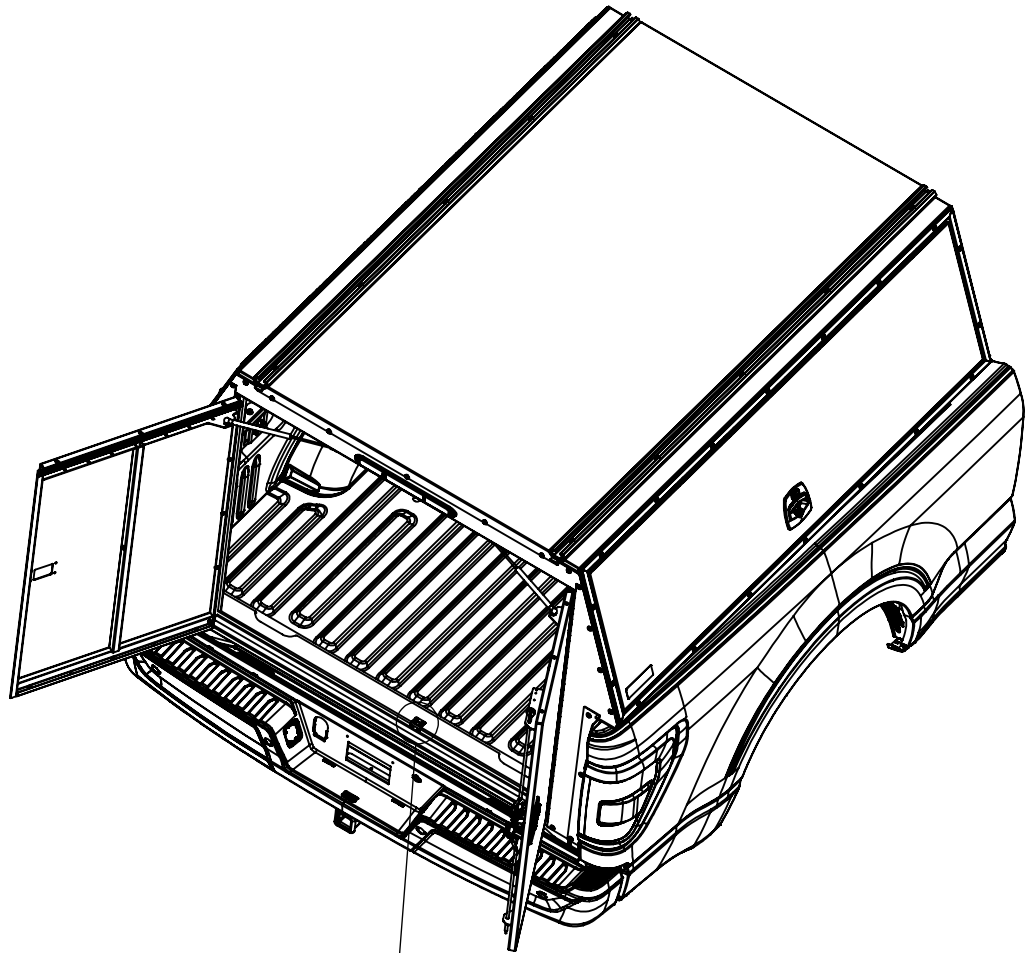
NOTE: IF THESE
HOLES INTERFERE
WITH THE OEM
BODY, DRILL A
NEW HOLE IN THE
BED RAIL +/- 2"
FROM THE
INTERFERENCE.

Step 16.13



STEP 17 - MAY NEED TO DRILL HOLE IN BED FOR LOCK ROD TO ENGAGE FULLY IN LOWER BRACKET HOLE

Step 17
DRILL OUT TRUCK
BED IF LOWER
BRACKET IS
OVER IT AND
PREVENTING
LOCK ROD FROM
GOING
THROUGH.



Step 17

STEP 18 - ATTACH FOAM TO INSIDE OF BARN DOORS

Step 18
CLEAN SURFACES
WITH ALCOHOL.
PREP WITH 57392
ADHESIVE
PROMOTER.



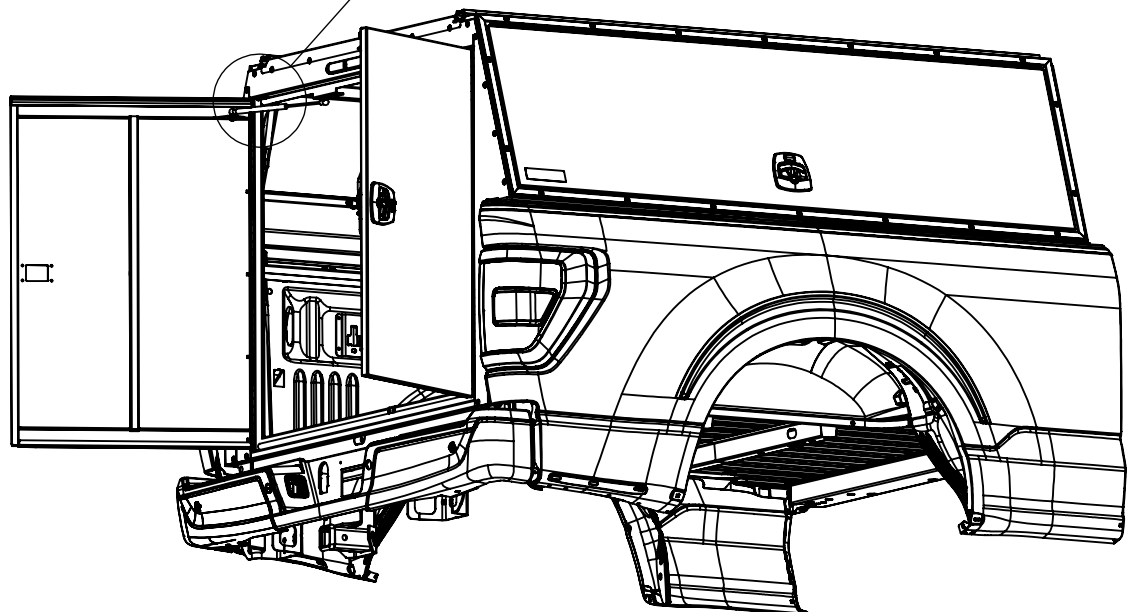
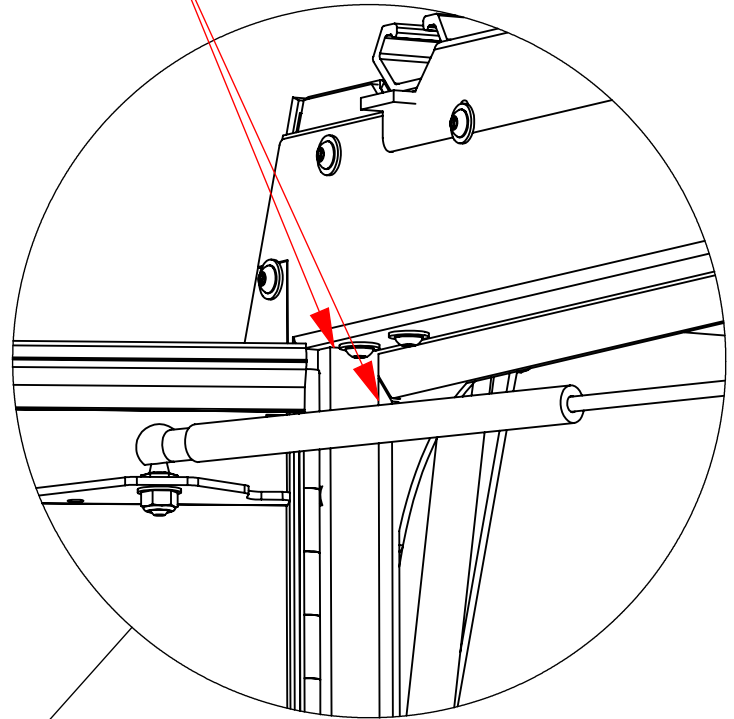
APPLY 77586
FOAM STRIP ON
HINGE LEG.
(2 PLACES)



NOTE: FOAM
SHOULD BE AT
THE VERY TOP,
AND EDGE OF
FOAM AGAINST
FLANGE AWAY
FROM BARREL OF
HINGE.



Step 18



STEP 19 - ATTACH SEAL TO FACE OF BARN DOOR LOWER BRACKET

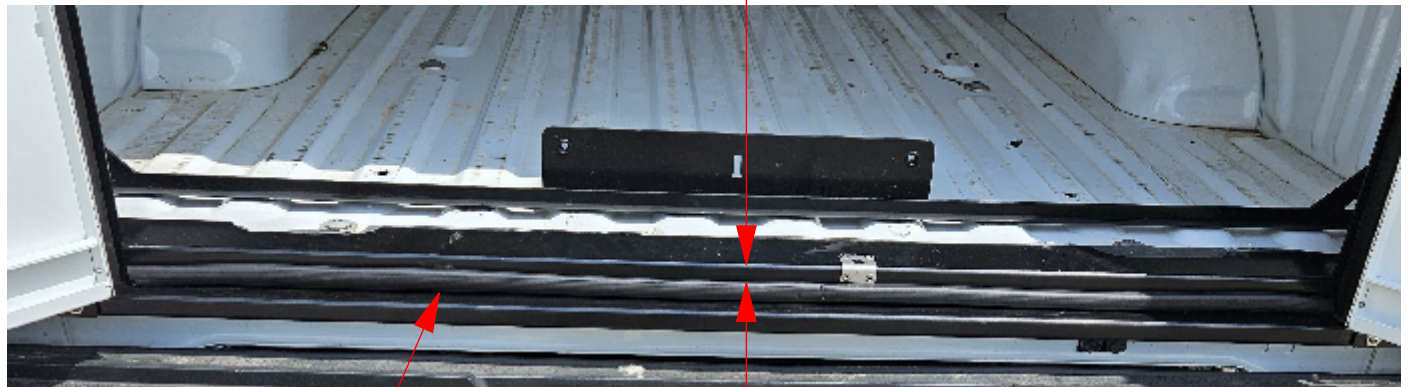
Step 19
CLEAN SURFACE
WITH ALCOHOL.
PREP WITH 57392
ADHESIVE
PROMOTER.



APPLY 77941
GASKET



NOTE: GASKET
SHOULD BE
CENTERED
BETWEEN FOAM,
AND .75" FROM
TOP OF LOWER
BRACKET.



Step 19

**STEP 19 ALT - ATTACH SEAL TO FACE OF BARN DOOR LOWER BRACKET
(ALTERNATE FOR COLORADO)**

**Step 19ALT
CLEAN SURFACE
WITH ALCOHOL.
PREP WITH 57392
ADHESIVE
PROMOTER.**



**APPLY 77941
GASKET**



**NOTE: GASKET
SHOULD BE
CENTERED
BETWEEN FOAM
STRIPS, AND
PRESS UP
AGAINST RISER.**

FOAM STRIPS



Step 19

STEP 20 - APPLY SILICONE TO INSIDE FRONT CORNERS AND INSIDE REAR CORNERS. ADD FOAM TO REAR.

Step 20.1
APPLY A 4" STRIP
OF SILICONE TO
BOTH INSIDE
FRONT CORNERS

Step 20.2
APPLY A 4" STRIP
OF SILICONE TO
BOTH INSIDE
REAR CORNERS

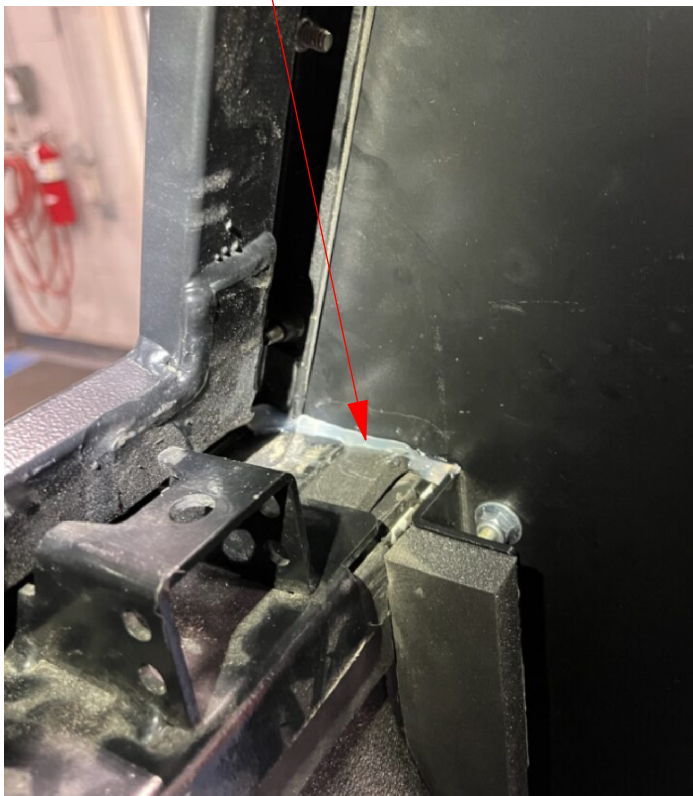
Step 20.3
CUT 75114 IN (2)
6" PIECES AND
PLACE AS
SHOWN AT REAR
OF VEHICLE

(2) PLACES

Step 20.1



Step 20.2



Step 20.3

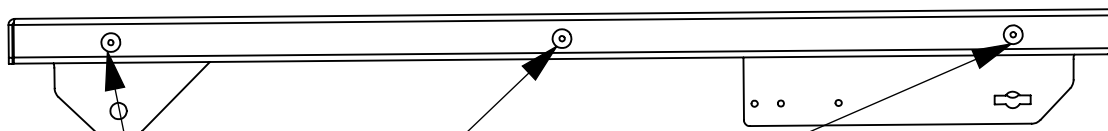
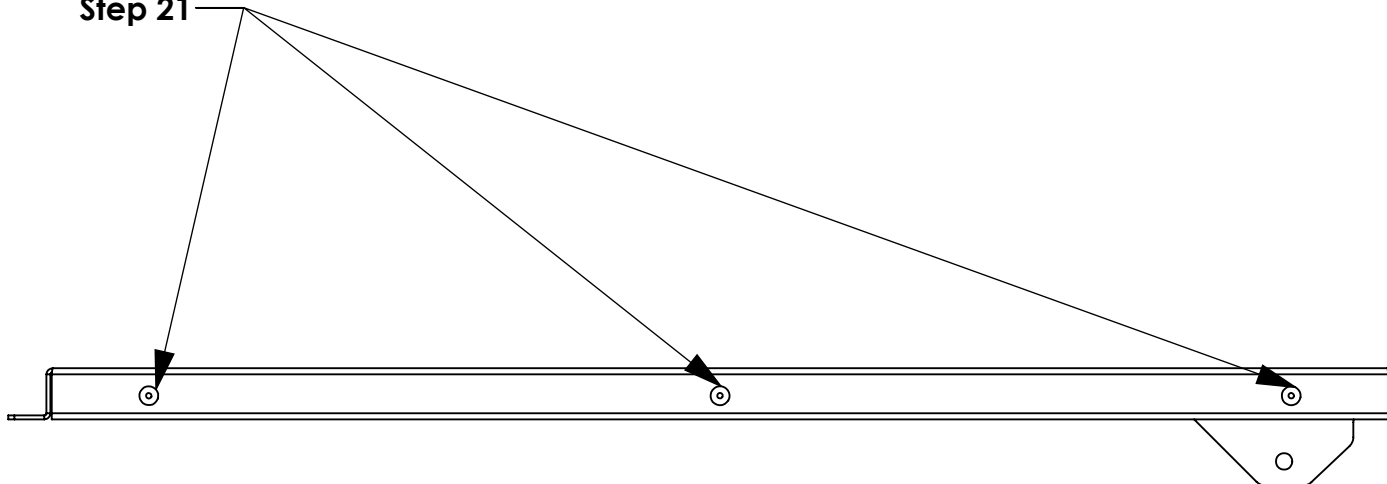


STEP 21 - APPLY SILICONE TO TOP OF BOTH DOORS ON RIVETS.

Step 21
APPLY SILICONE
TO TOPS OF
DOORS ON
RIVETS

(6 PLACES)

Step 21



Step 21

STEP 22 - CLOSE DOORS AND ADJUST BED FILLERS.

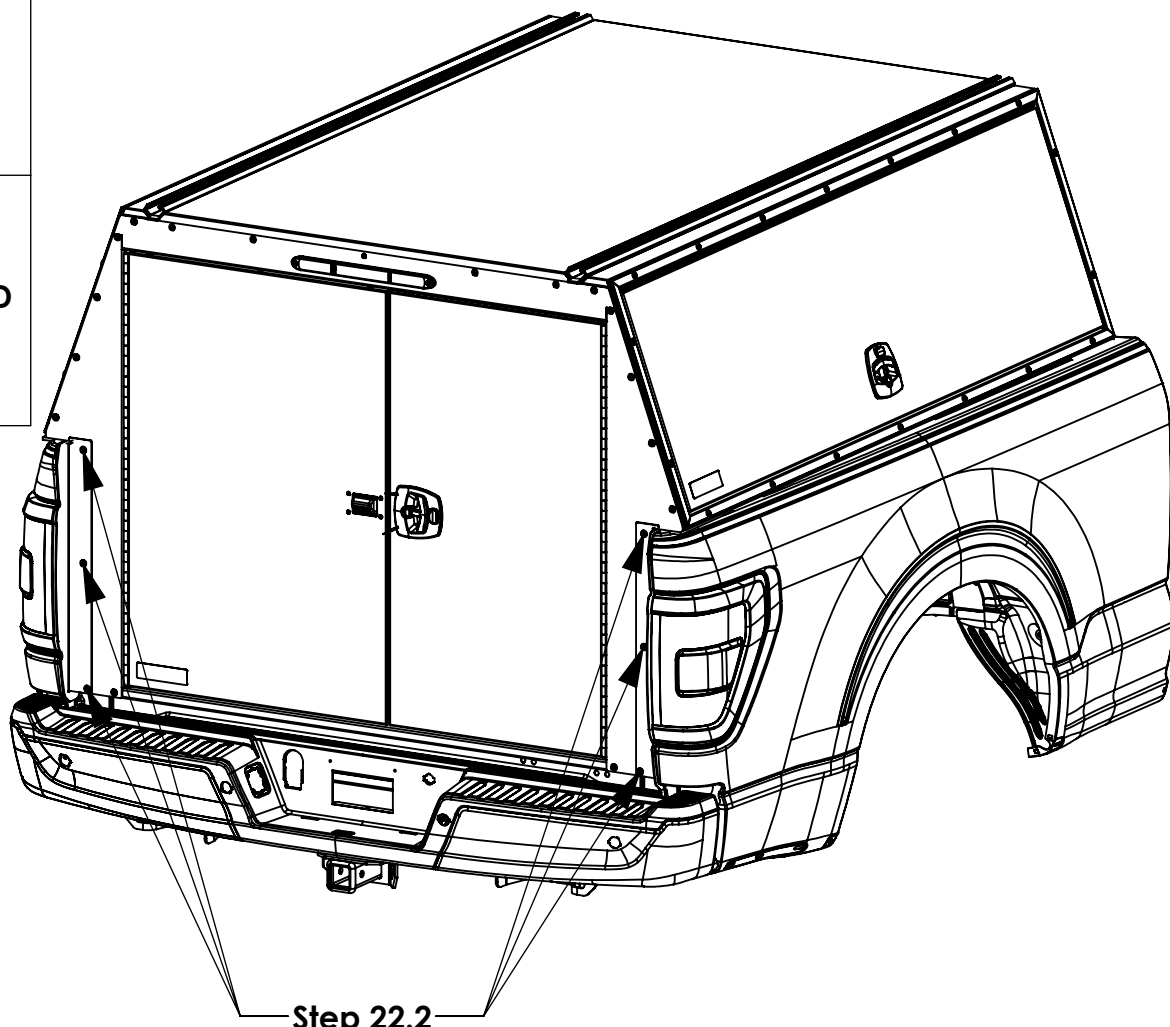
Step 22.1
CLOSE DOORS
STARTING WITH
DRIVER'S SIDE
FIRST THEN
PASSENGER SIDE.
CONFIRM LOCK
ROD IS ENGAGED
IN HOLE OF
LOWER BRACKET.



NOTE: IF DOOR
DOES NOT LATCH
WITH MINIMAL
EFFORT, CHECK
THAT TOPPER IS
SQUARE AND
CENTERED.

Step 22.2
ADJUST BED
FILLERS OUT TO
MAX WIDTH AND
FULLY TIGHTEN

(6 PLACES)



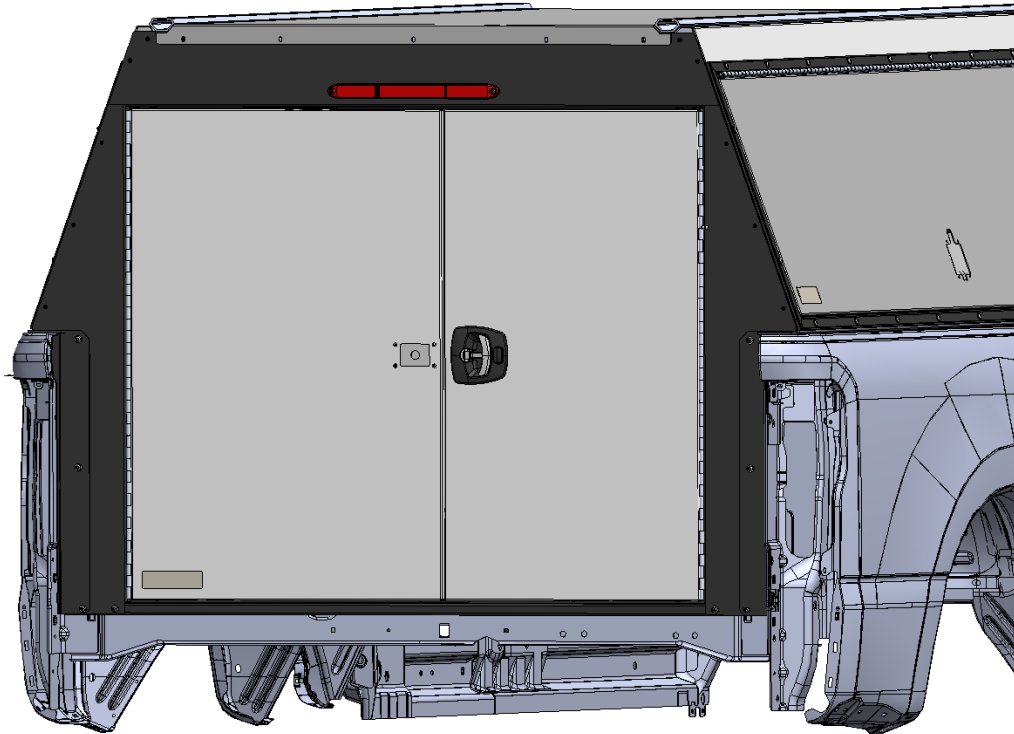
MAKE SURE ALL FASTENERS ARE TIGHTENED!! INSTALLATION IS COMPLETE

Introduction / Comments:

Install Instructions For Walk-in Topper Analog Backup Camera For Ford Super Duty

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.



Install Instructions For Walk-in Topper Analog Backup Camera For Ford Super Duty

Section 1: Table of Contents

Table of Contents:

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Section 2: Cable Kit Part Identification	3-4
Section 3: Tools Needed.....	5
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Section 6: Vehicle Integration	7
Section 7: General installation	11
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Section 9: Testing and Finish.....	18

Safety Precautions Information

These symbols are used in the document to warn installer to make sure there is understanding beyond general precautions used when working on electrical installations.

	ANSI Z535.6-2006 refers to the use of blue when “addresses practices not related to personal injury”.
	Yellow labelling level of personal injury = could result in minor injury.
	Red labelling level of personal injury = could / will result in death.

Section 2: Part Identification

ASCW-ALOG KIT (77865) Contents (Item Reference Diagram Below):



PCAM-FMBR180-N - Replacement Analog Camera



GXE-6 - Extension Harness from Camera to OEM Plug



77865-HWK - Hardware Kit and Gasket for Bracket and Routing



TDH-FD23-HAR - Adapter Harness for Ford Super Duty Analog Camera

Section 2: Part Identification

Make	Model	Year	Notes	Insert
Ford	Super Duty	2023-2025	Without OEM 360	N/A

NOTE: These are for future platforms that will be validated.

Section 3: Tools Needed

①



②



③



④



⑤

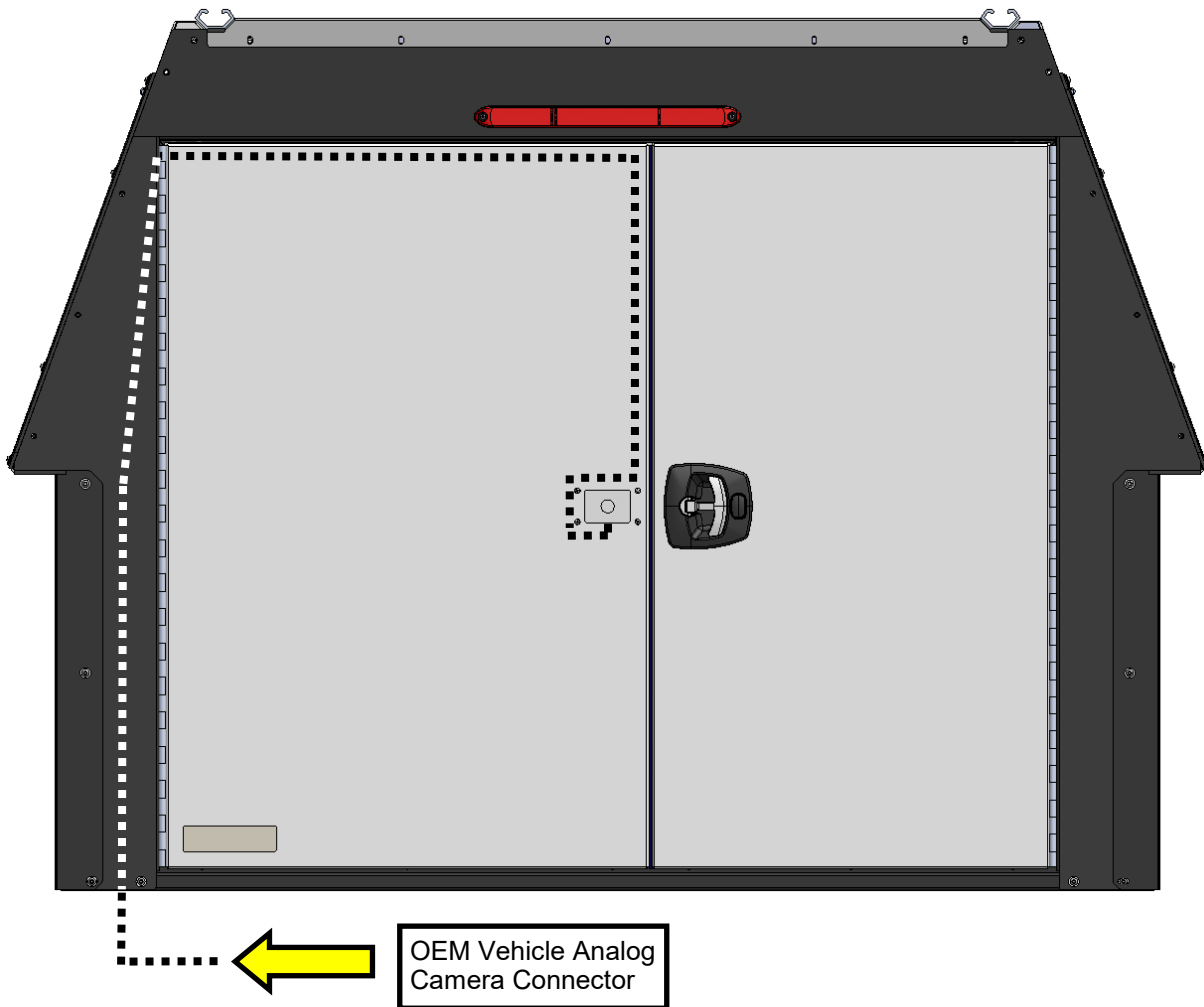


⑥



1. Diagonal Cutters
2. Drill driver
3. 3/4" Hole or Step Drill (Unibit)
4. #2 Phillips head Screwdriver
5. 10mm Nut driver
6. Dremel

Section 4: General Vehicle Layout

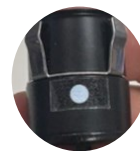


Section 5: Application Specifics: Ford Super Duty

Step 5-1.



Caution: Make sure camera orientation for up is noted from white dot on camera.



- If the camera DOES not look like this (a 4 pin screw lock connector with snap-on connection) –**STOP**– you will need a digital back up camera kit. Please contact your Adrian representative.

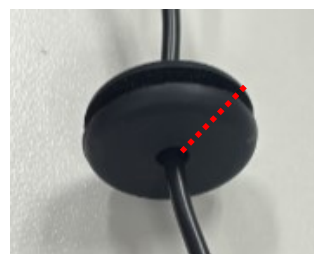
Step 5-2.



- Remove white Bracket and Backplate for camera from the 77865-HWK bag.
- Remove 18.5mm Hole Saw and Gasket from the 77865-HWK bag.
- Find middle point in bracket and drill hole using 18.5mm Hole Saw.
- You may need to use a Dremel to finish the hole if the camera doesn't quite fit.
- Peel white backing off Gasket, leaving the red side, to stick to the bracket. Make sure the holes are lined up.



- You will need to cut a slit in the grommet to feed connector through hole you just created. **DO NOT THROW AWAY GROMMET IT WILL STILL BE USED**



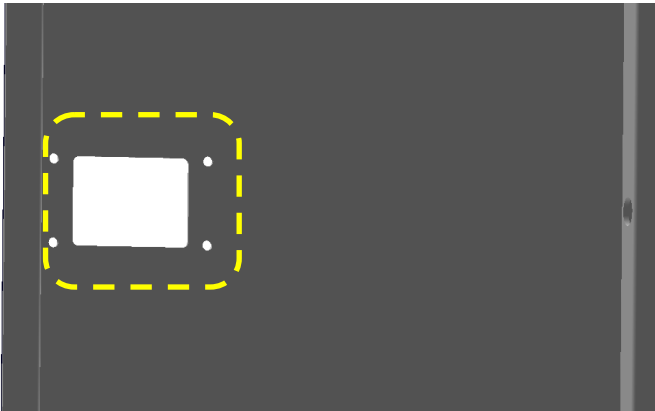
Section 6: General installation

Step 6-1. Camera installed in Enclosure



- This assembly will be mounted into the walk-in door opening

Step 6-2.



- Clean and let dry the surface around the square hole in the door on the inside of the door.
- Use alcohol to remove any dirt or oils.
- The red gasket liner on the enclosure assembly will be removed before placement.



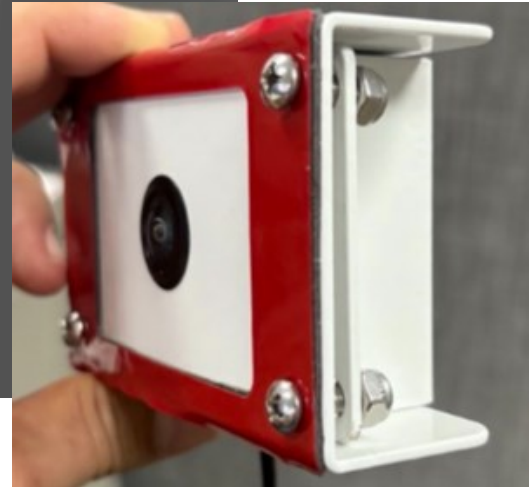
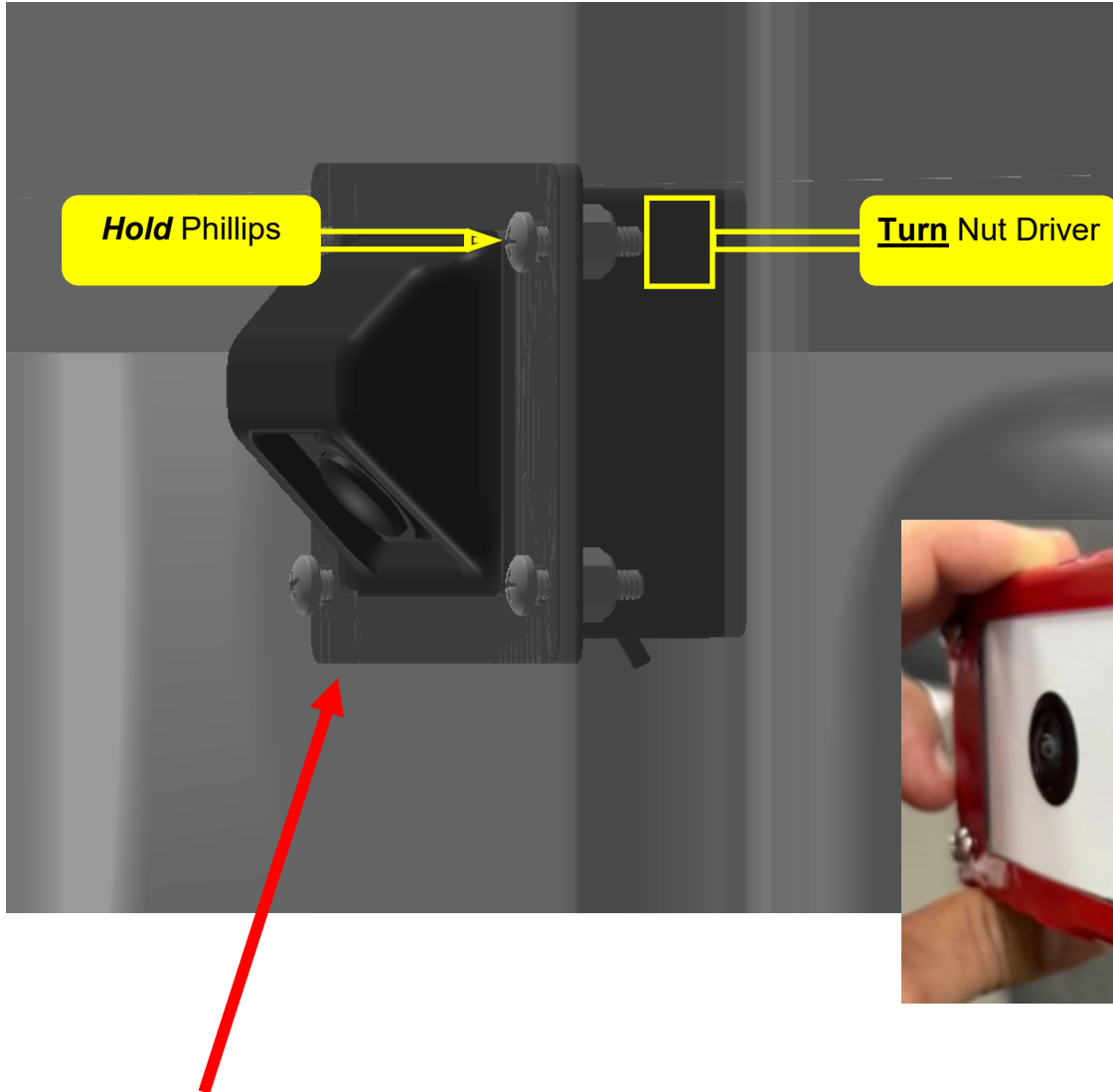
Step 6-3.



- This is VHB tape, so do not push to stick it unless the 4 screw holes are aligned.
- It is recommended that at least two corner screws BOM ITEM #17: 8-32 5/8" PHP SCREWS are present while installing the enclosure,
- Carefully aligning the enclosure protrusion through the hole in the door, make sure enclosure flange is flush before pushing for the adhesive to stick.

Section 7: General installation

Step 7-1.

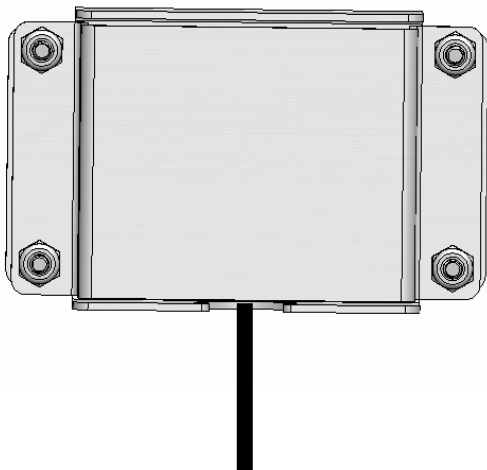


NOTE: THIS IS THE DIGITAL ENCLOSURE. REFERENCE FOR FASTENING SCREWS AND NUTS ONLY. SEE IMAGE TO THE RIGHT FOR ANALOG ENCLOSURE

- Add the other two screws and make sure enclosure assembly is completely aligned before applying light pressure to the enclosure and gasket to the door.
- The enclosure should not be warping, binding, or pinching the plastic material into the side of the square hole. It should be interfacing flatly between the enclosure back flange, the gasket, and the door material for water tightness.
- **Hold** a phillips head screwdriver to the screws on the outside of the door, while tightening the nylock nuts with very light torque on the back side (this prevents the turning screw heads from marking the outside paint or wrap of the walk-in door).
- Finish the nuts torquing lightly by hand until snug (to avoid over compressing the plastic).

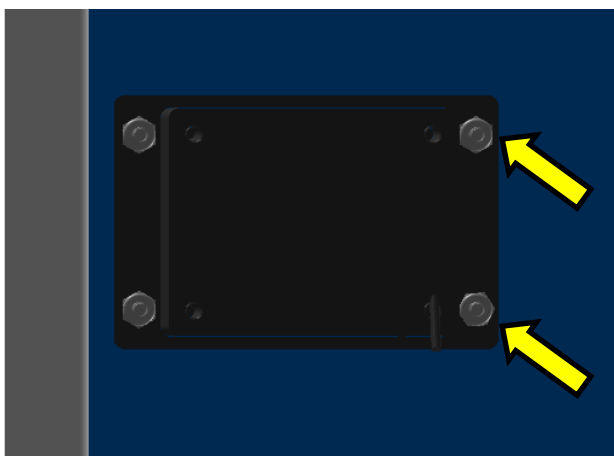
Section 8: Routing harness

Step 8-1.



- With the door open, and looking from the inside. The bracket and camera harness should look like the image to the left.

Step 8-2.

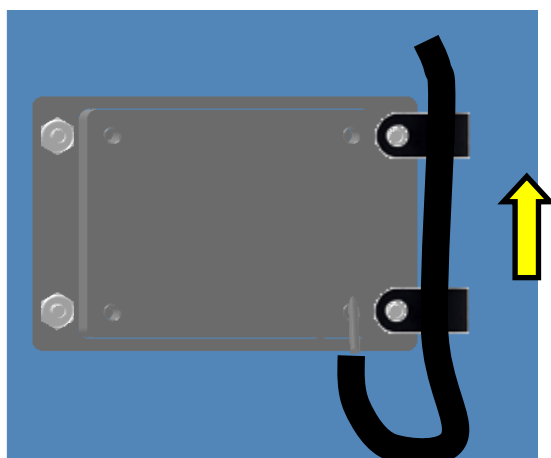


- Remove the bottom and top driver's side nuts from the enclosure mounting screws and obtain a black plastic P-clips BOM ITEM #16: BLACK P-CLIPS from the kit package.



- The tape will be assisting in keeping the enclosure in place now.

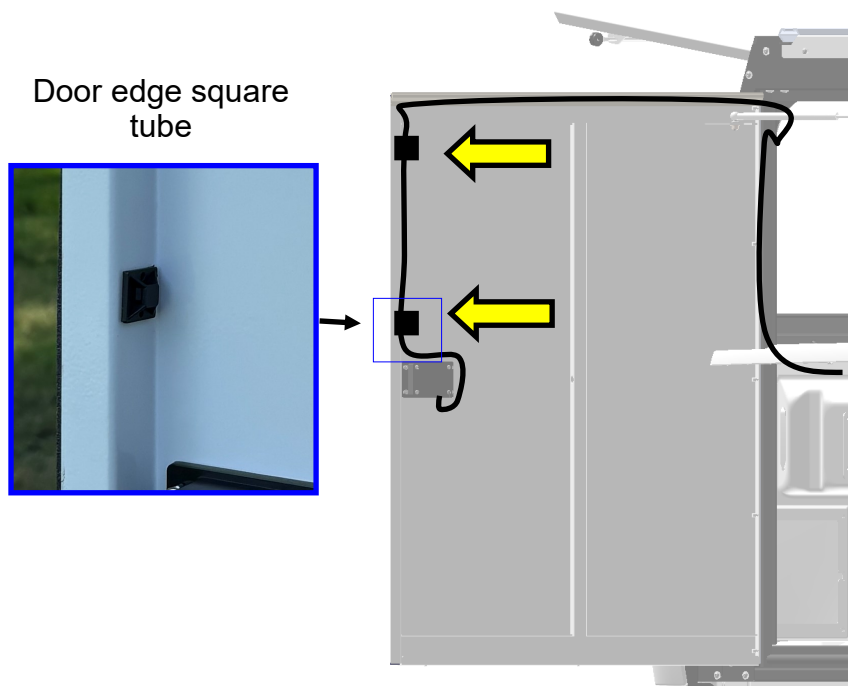
Step 8-3.



- These P-clips will be oriented like in the diagram so that wire is leaving the slot, then the looming cover on the coaxial cable begins, a small drip loop is formed, and then is fastened by the clips to the enclosure screws going upward to the top of the door.
- Again fasten the nuts with light torque while holding screws on the outside of the door to prevent spinning.
- During tightening, ensure the P-clips stay in position and do not twist and damage the cable and loom.

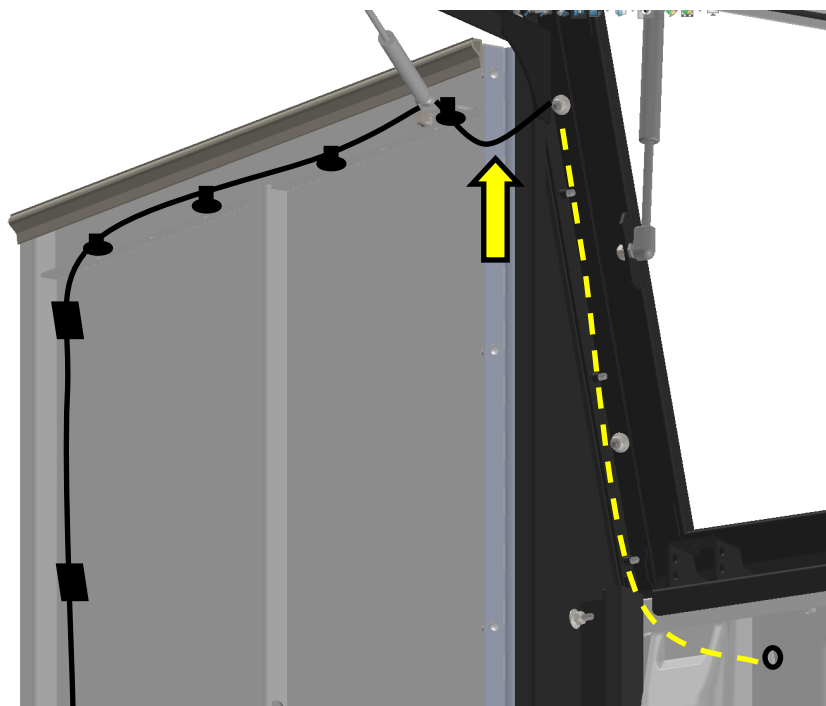
Section 8: Routing harness

Step 8-4.



- From the P-Clip, the cable will be routed to the top of the door along the door's edge square tube.
- Be sure to use alcohol solution to remove any dirt or oils. Allow to dry.
- Apply the VHB adhesive mounts BOM ITEM #21: VHB ADHESIVE CABLE TIE BASE MOUNT.
- For excellent bonding, apply 15 lbs. of pressure for a few seconds.
- The adhesive will continue to bond for a few hours, do not stretch the cable too tightly between the squares when affixing cable ties.
- After the adhesive squares are affixed, use the BOM ITEM #22: 4" CABLE TIES

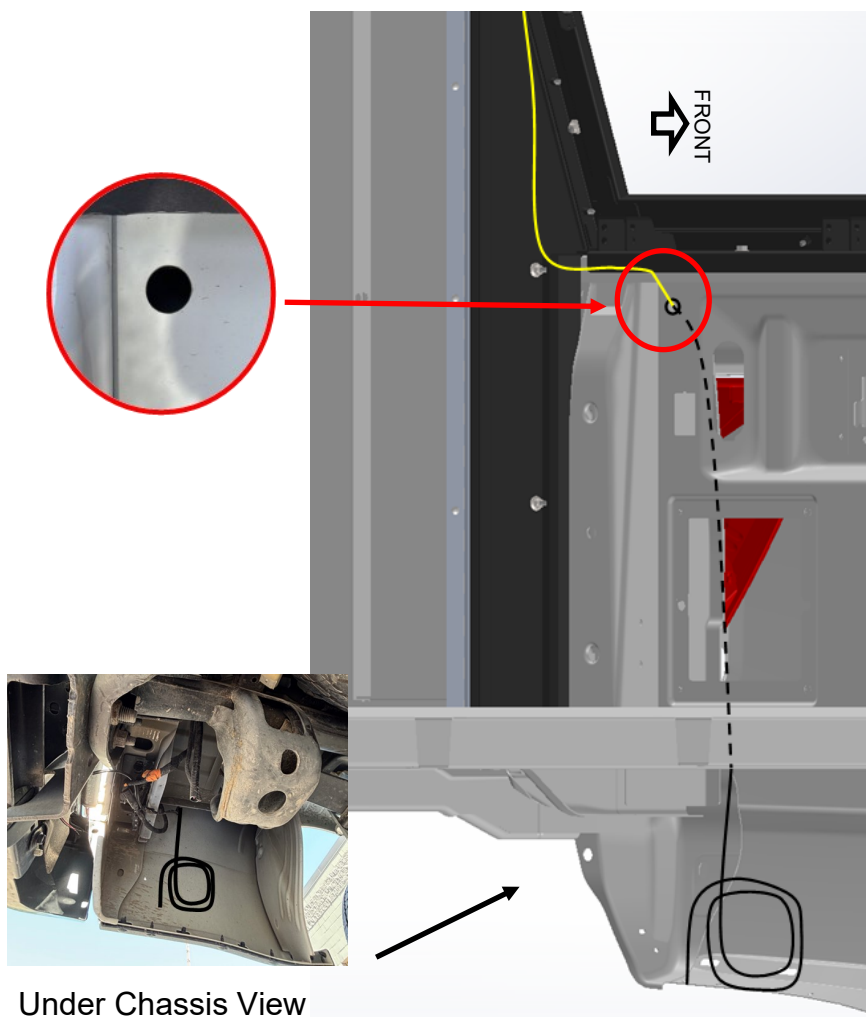
Step 8-5.



- Upon reaching the top of the door the cable will be neatly guided to the hinge side of the door. Fastening about every 10-12 inches to a Christmas tree cable mount in to the quarter inch holes in the top of the door bracket BOM ITEM #19: 0.25" FIR TREE CABLE TIE
- The cable will be brought to the end of the door and a small amount of loop will be left in the space between the end mounting hole on the door bracket and the affixing point in the corner of the cap.

Section 8: Routing harness

Step 8-6.



- (Red Circle Area) If necessary, utilize the Step Bit and drill to widen the existing 18.4mm hole to 3/4" (19mm).
- It is best practice to add etching paint to prevent any corrosion if the hole is enlarged.
- At this point the snap bushing in the kit BOM ITEM #20: SNAP BUSHING WITH 15.3MM I.D. can be pushed into the hole on the side of the bed wall and the cable can be fed down into that hole.
- Be sure the cable end will stay clean as it travels down the interior of the sidewall down to the bottom of the truck.
- Pull the cable all the way through so that there is just enough cable left inside of the topper/bed area to begin to finish routing.
- Use about three - 8" cable ties from the kit to hold the cable to exiting non-moving structures on the inside corner of the cap and ensure they are out of the way to prevent anything from snagging.

Step 8-7.

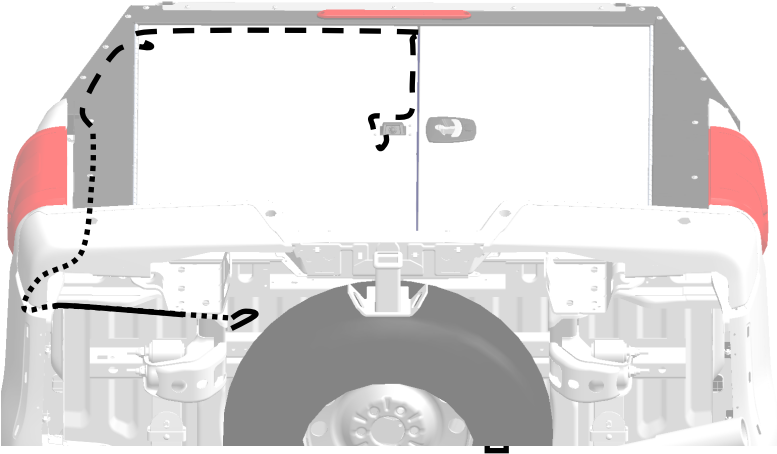


The wire **MUST** be tied up above the frame rail to avoid damage from ice and road debris.

1. UNDER the vehicle, by the rear bumper, BE AWARE of the hot exhaust systems, and route the harness above the frame rail and follow other wiring harnessing to the open OEM Mating connector circled in **RED**

Section 8: Routing harness

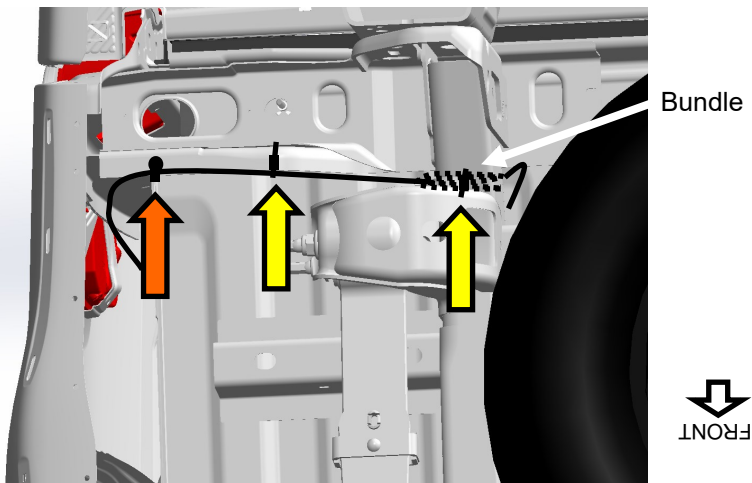
Step 8-8.



- The wire **MUST** be tied up above the frame rail to avoid damage from ice and road debris.

Step 8-9.

Under Chassis View



- It will be helpful to find a 1/4" hole [Area of Orange Arrow] in the trucks underbody sheet metal and utilize one of the Christmas tree cable mounts to secure the cable where it drops down from the hole on the topside bed wall.
- When routing is established, connect the coaxial cable and bundle/ loop any extra cable to tie high above the bottom of the truck.

- The installation is completed— please test and finish install by making sure cable will not be pinched or damaged during customer use.

Section 9: Testing and Finish

The camera installation should now be checked:

- Start vehicle.
 - Check around for safety.
 - Hold the brake, shift the vehicle into reverse and observe the back-up camera monitor in the vehicle. The image should be very similar to original image from the OEM tailgate installed backup camera.
 - If there any doubts, please ensure to validate with FMVSS111 procedure to ensure compliance.
- ◇ If the vehicle does not activate the backup camera while in reverse, check that there is no damage to the harnessing, and reassure all connections have been made securely.
- ◇ Lastly, ensure all harness is properly secured and cable ties are trimmed.
- ◇ The install is now complete!

