INSTR. NUMBER : 71622	PG: 1	REV: W
PART NUMBER : TFK__T178HM23W		
PART DESC. : ASM INS, TFK__T178HM23W		

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

BOM FOR 6.5' F-150

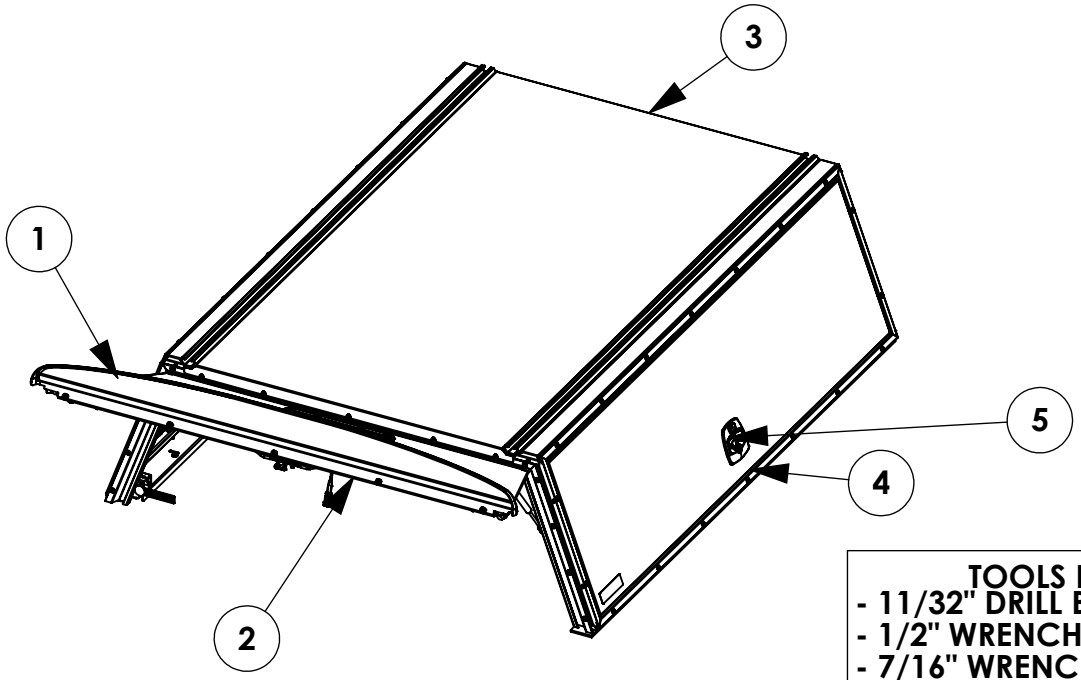
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK78M23W	TOP, SIDE KIT,78",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK7823W	TOP, ROOF KIT,78",23,W	1
4	THKFDT178M23	HDW KIT, TFKFDT178HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** 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**



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: W
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

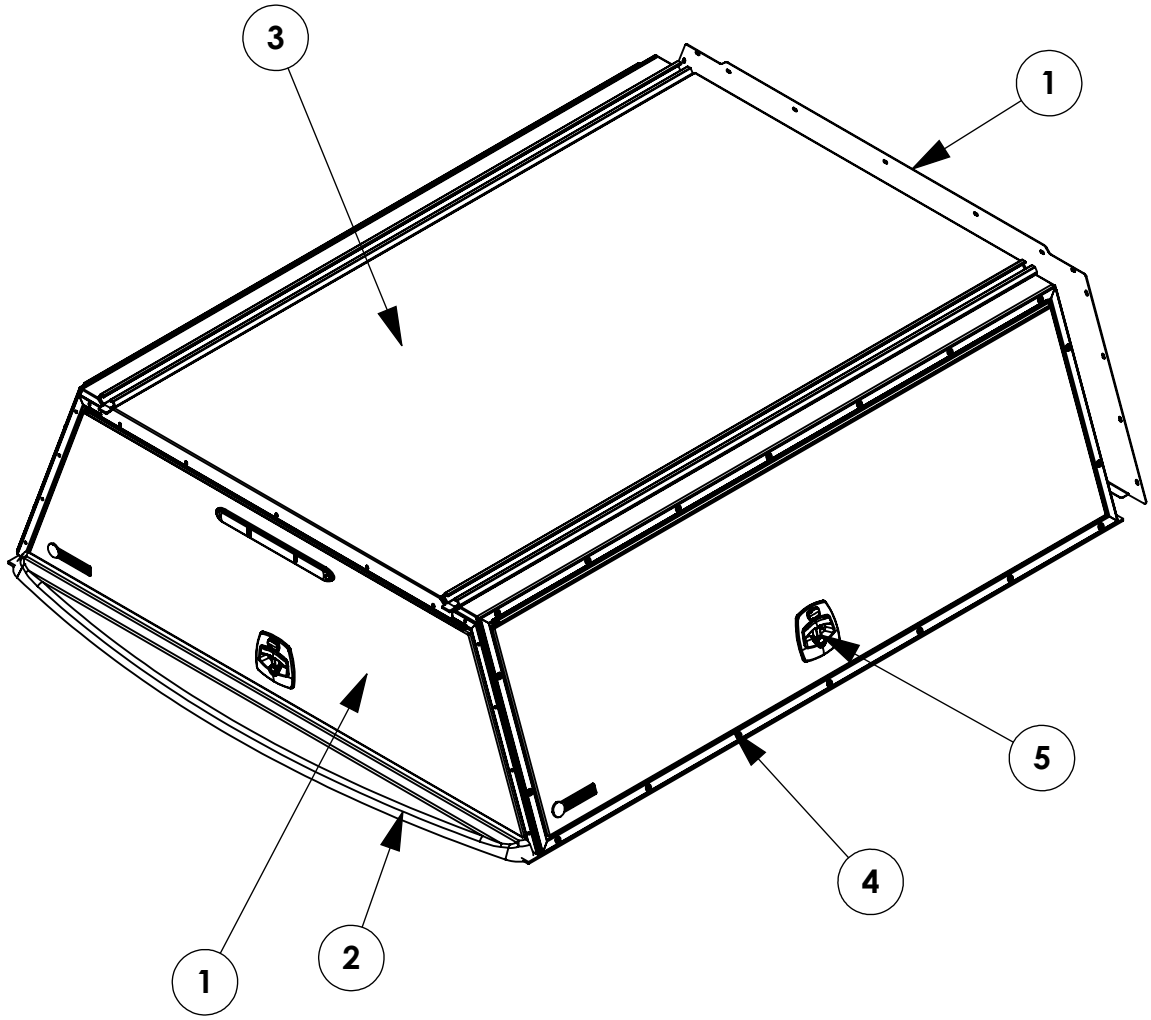
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
2	THKRAM175M23	HDW KIT, TCKRAMT175HM23W	1
3	TRK7523W	TOP, ROOF PANEL KIT, RAM	1
4	TSK75M23W	TOP, SIDE KIT, 78" RAM	2
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** 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	PG: 3	REV: W
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

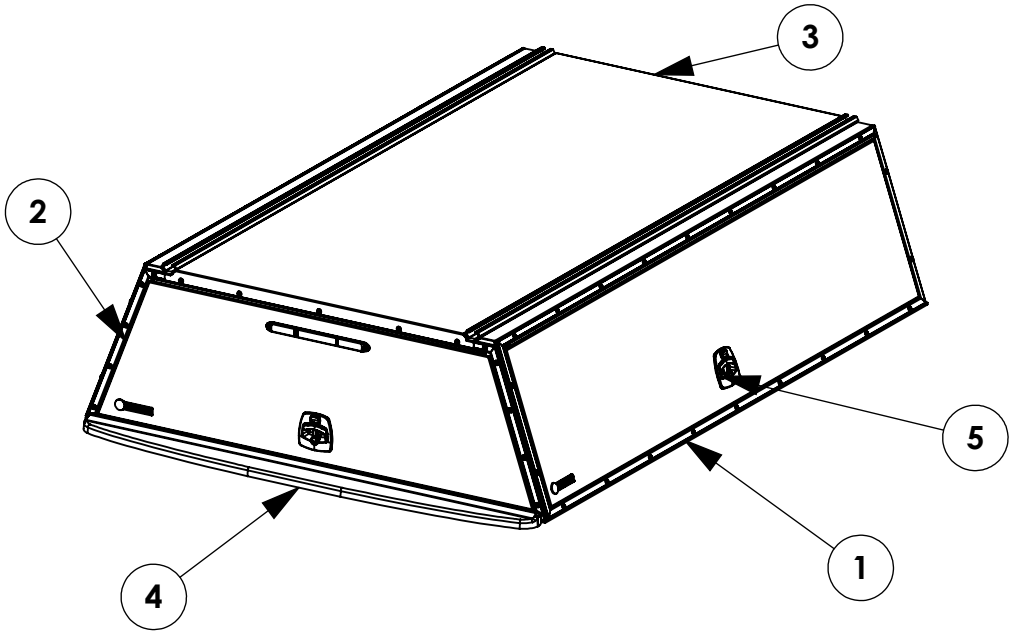
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M23W	TOP, SIDE KIT,96",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	THKGMT196M23	HDW KIT, TFKGMT196HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** 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	PG:	REV:
71622	4	W

PART NUMBER : **TFK__T296HM26W**

PART DESC. : ASM INS, TFK__T178HM23W

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

BOM FOR 8.0' 26" TALL FORD F-150, F-250, F-350

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	THKFDT296M26	HDW KIT, TFKFDT296HM26W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

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

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

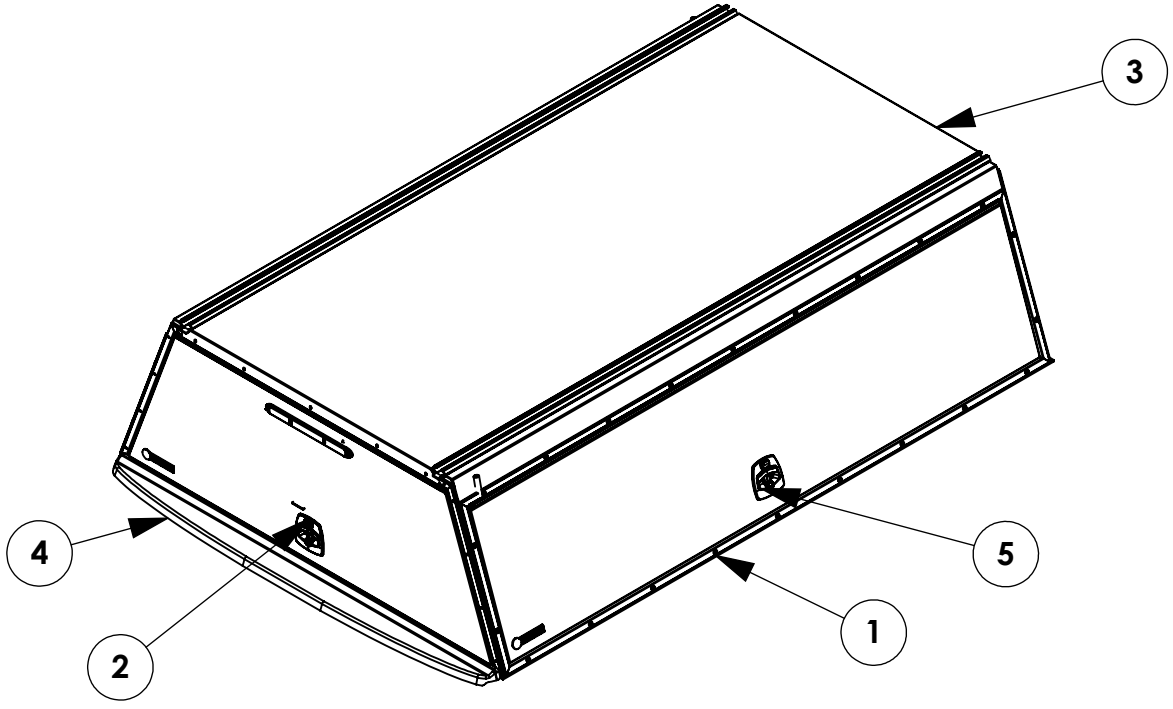
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M26W	TOP, SIDE KIT,96",M,26,W	2
2	TCK80HM26W	TOP,CLOSE KIT,80",HM263,W	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	THKGMT296M26	HDW KIT, TFKGMT296HM26W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

*** 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. NUMBER	PG:	REV:
71622	5	W

PART NUMBER : **TFKFDT166HM23W**

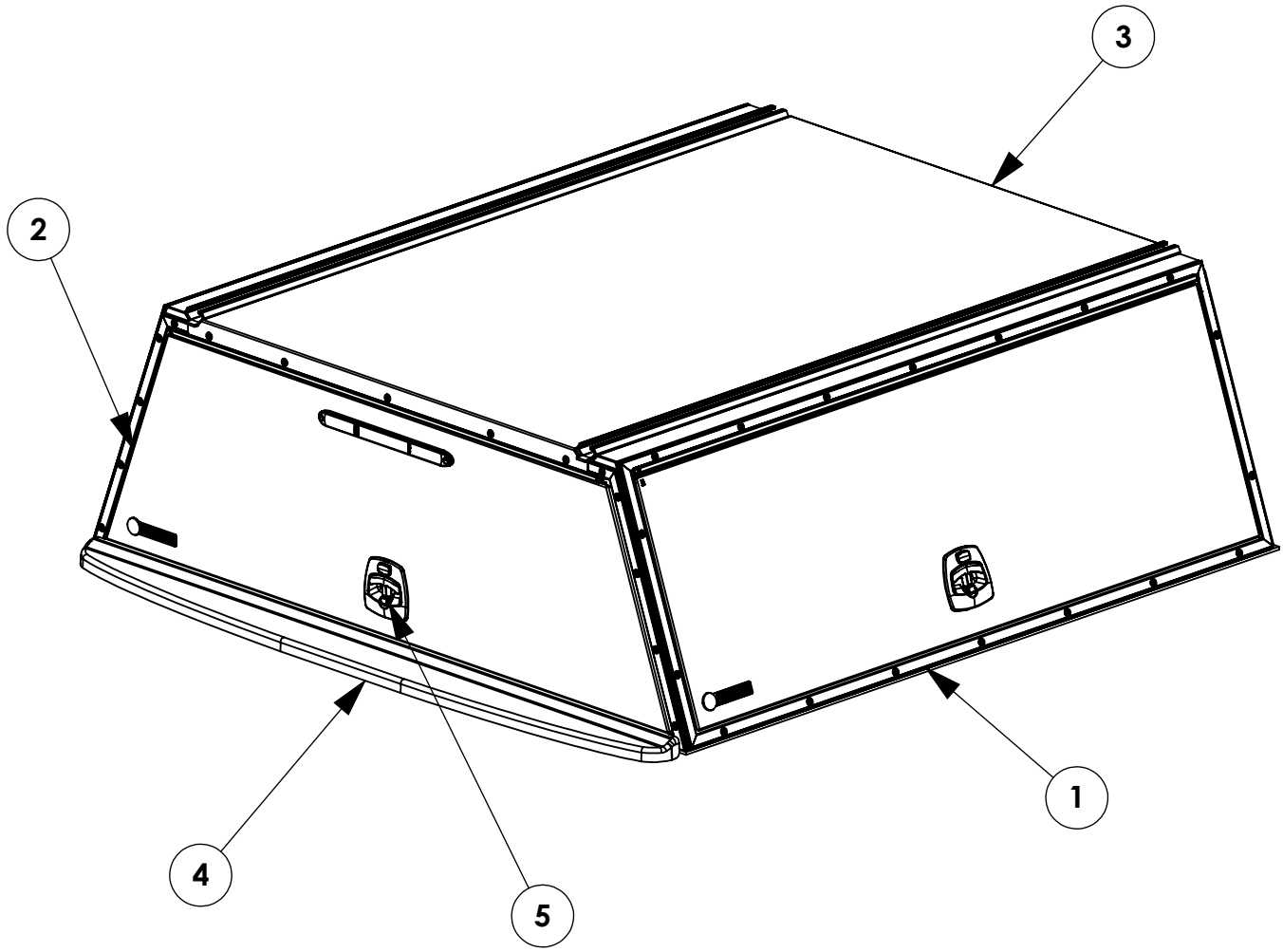
PART DESC. : ASM INS, TFK__T178HM23W

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**



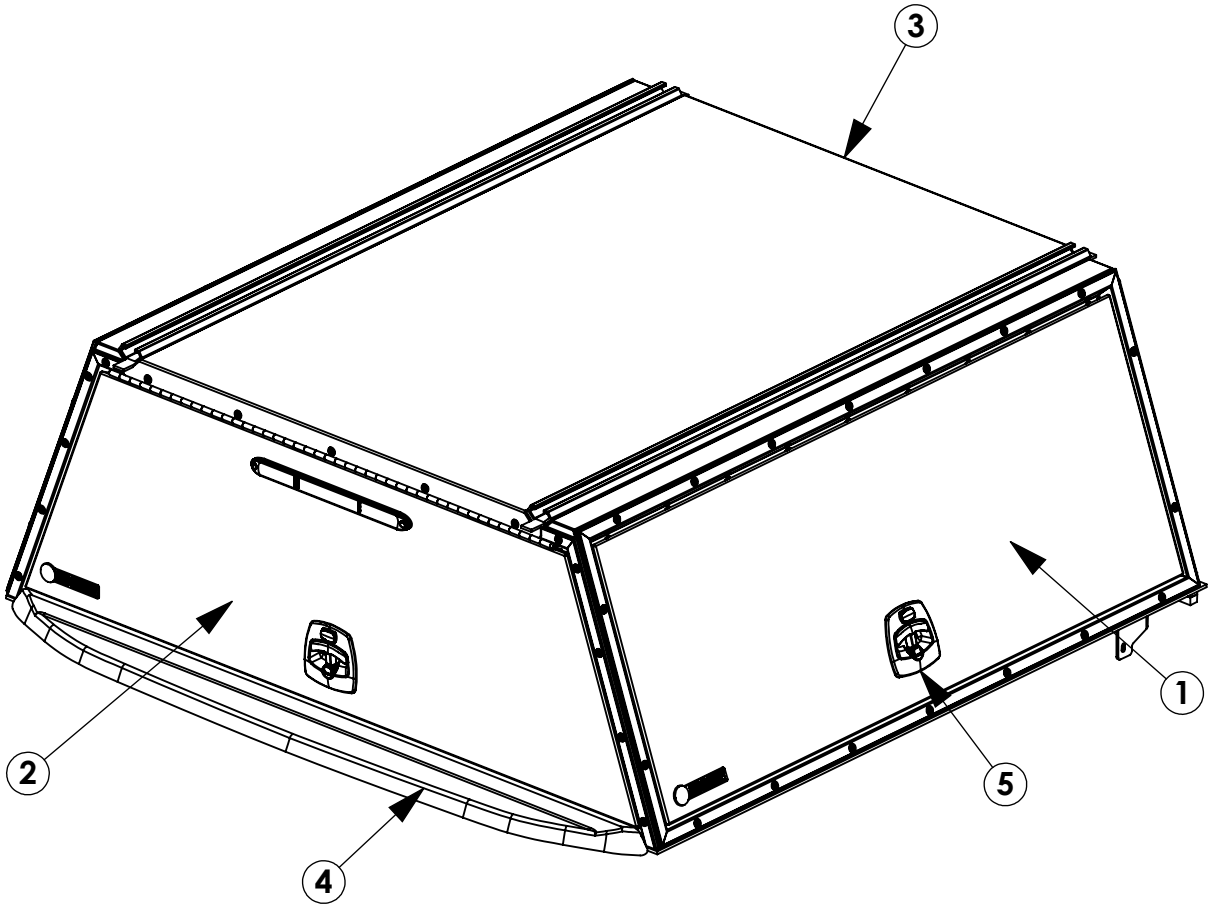
INSTR. NUMBER : 71622	PG: 6	REV: W
PART NUMBER : TFKRNG160HM23W		
PART DESC. : ASM INS, TFK__T178HE23W		

BOM FOR 5' FORD RANGER

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSKRNG60M23W	TOP, SIDE KIT,60", RANGER,M,23,W	2
2	TCK72HM23W	TOP,CLOSE KIT,72",HM23,W	1
3	TRK6023W	TOP, ROOF KIT,60",23,W	1
4	THKRNG160M23	HDW KIT, TFKNFT172HM23W	1
5	TMLHK	TOPPER MECHANICAL LOCK HATCH KIT	1

E-LOCK VERSION: TFKRNG160HE23W

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



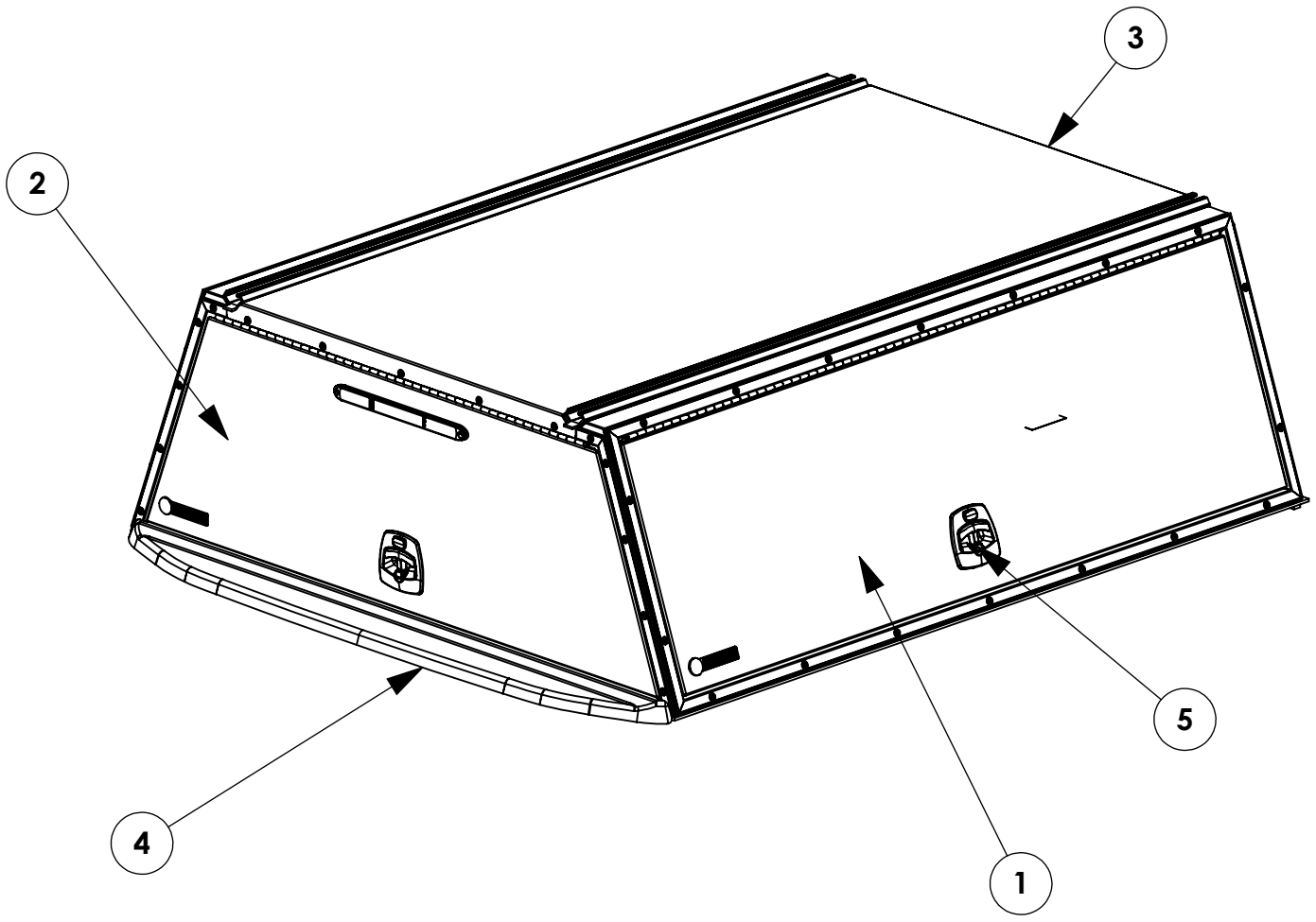
INSTR. NUMBER : 71622	PG: 7	REV: W
PART NUMBER : TFKNFT172HM23W		
PART DESC. : ASM INS, TFK__T178HM23W		

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**



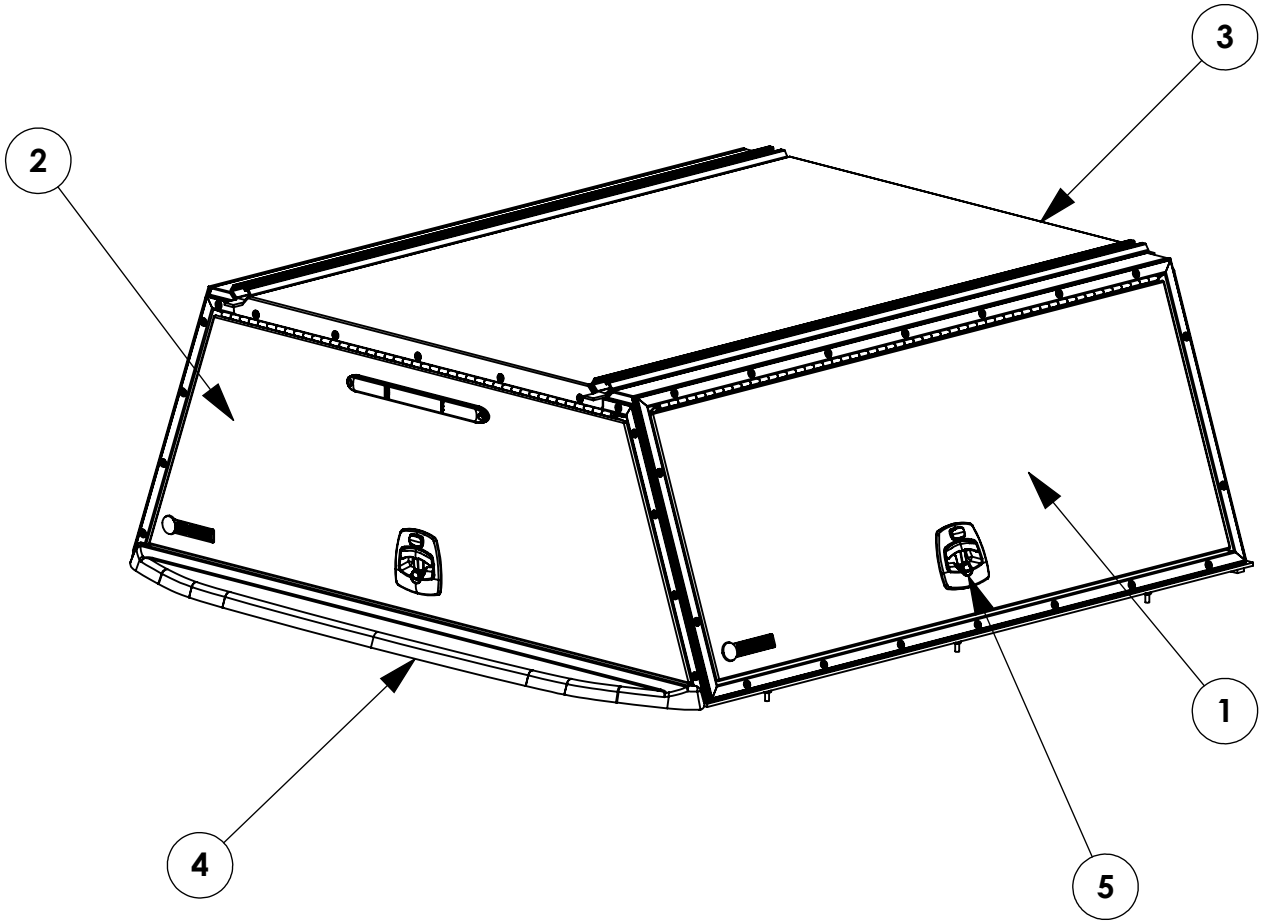
INSTR. NUMBER : 71622	PG: 8	REV: W
PART NUMBER : TFKNFT160HM23W		
PART DESC. : ASM INS, TFK__T178HM23W		

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. NUMBER : 71622	PG: 9	REV: W	BOM FOR 5.1' 23" TALL COLORADO

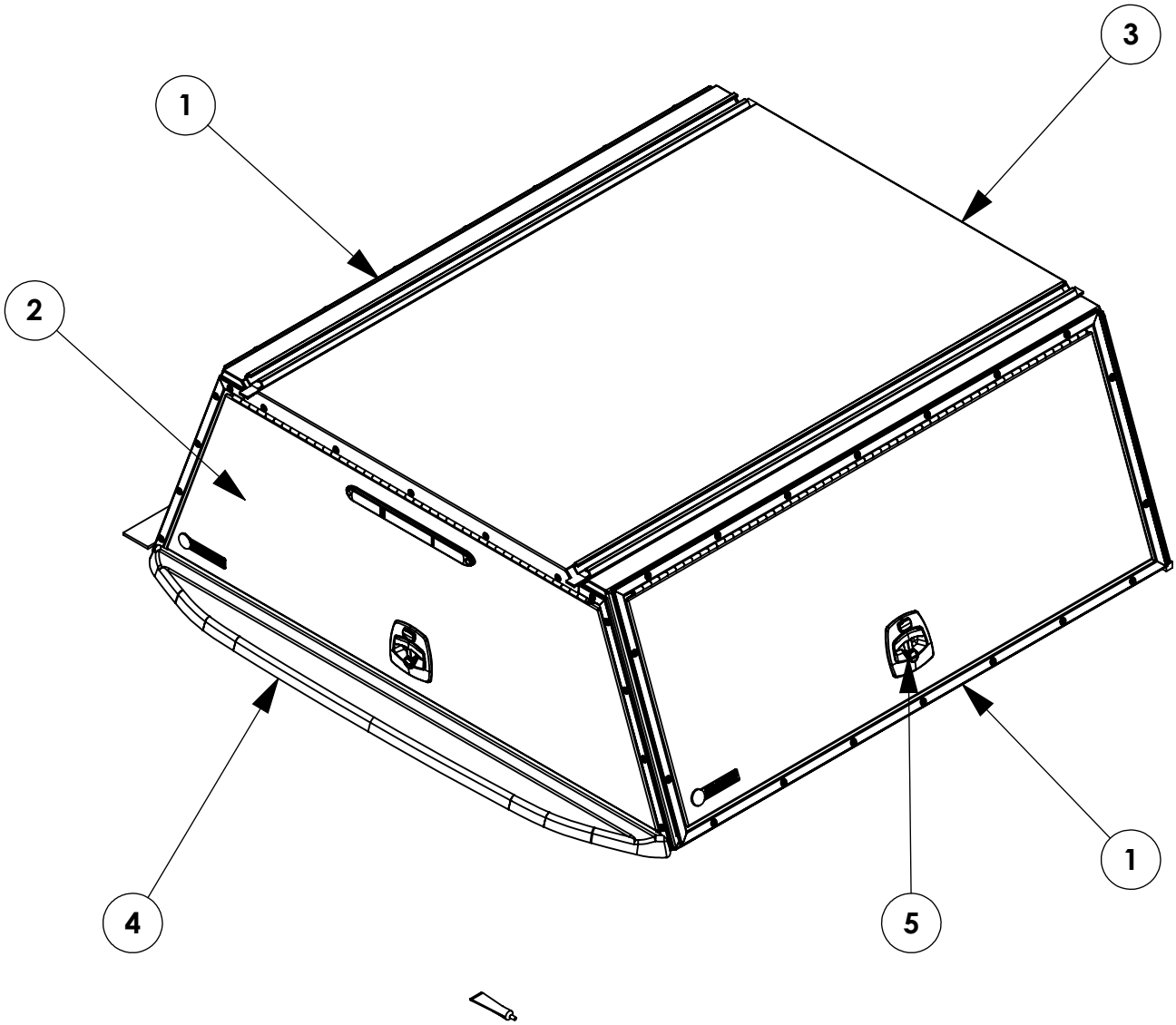
PART NUMBER : **TFKNFT160HM23W**

PART DESC. : ASM INS, TFK__T178HM23W

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
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. NUMBER	PG:	REV:
71622	10	W

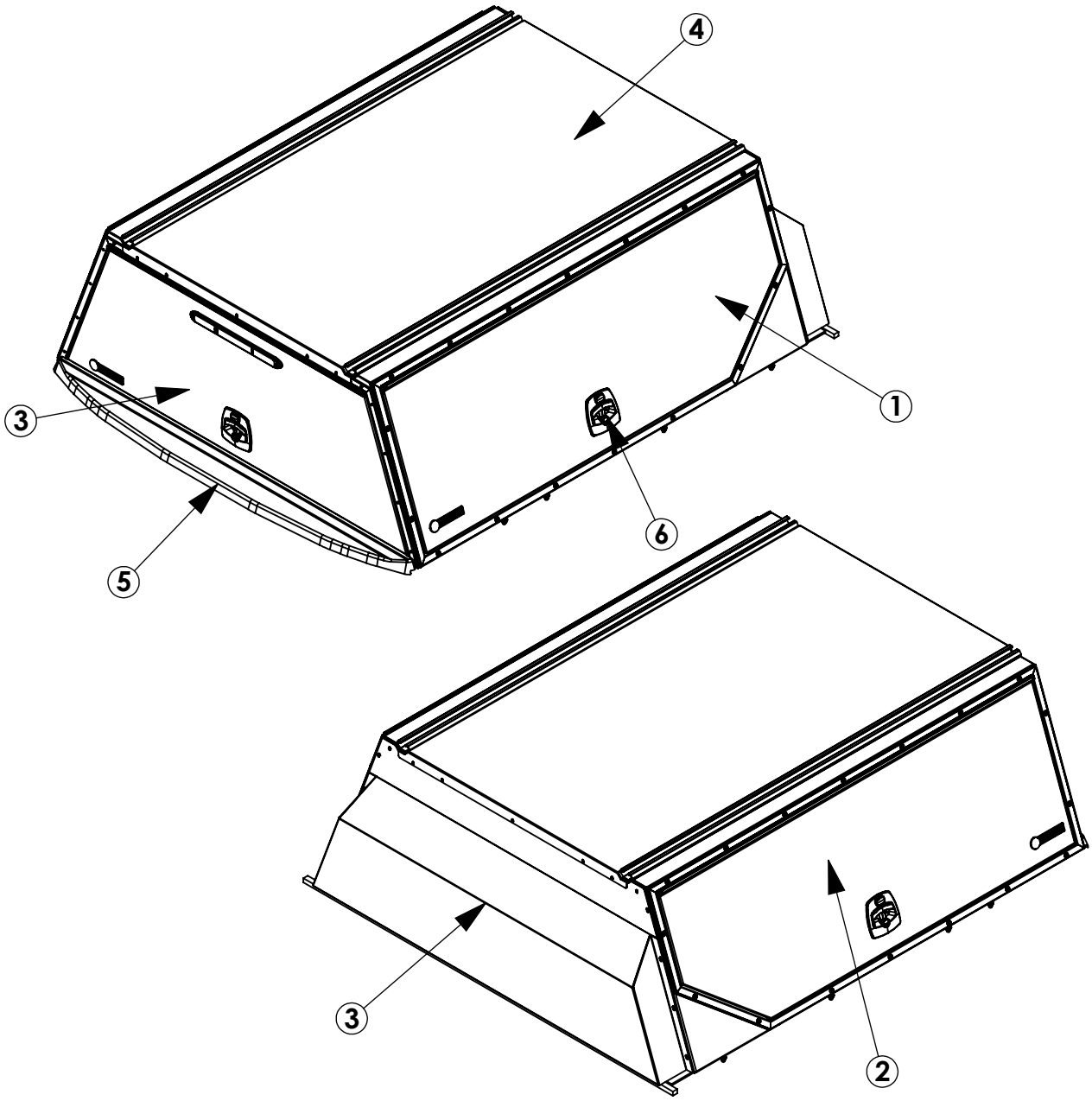
PART NUMBER : **TFKGME169HM23W**

PART DESC. : ASM INS, TFKGME169HM23W

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

BOM FOR 69" 23" TALL SILVERADO EV 1500

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK69M23WPS	TOP, SIDE KIT,SILVERADO EV, 69", PS	1
2	TSK69M23WDS	TOP, SIDE KIT,SILVERADO EV, 69",DS	1
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



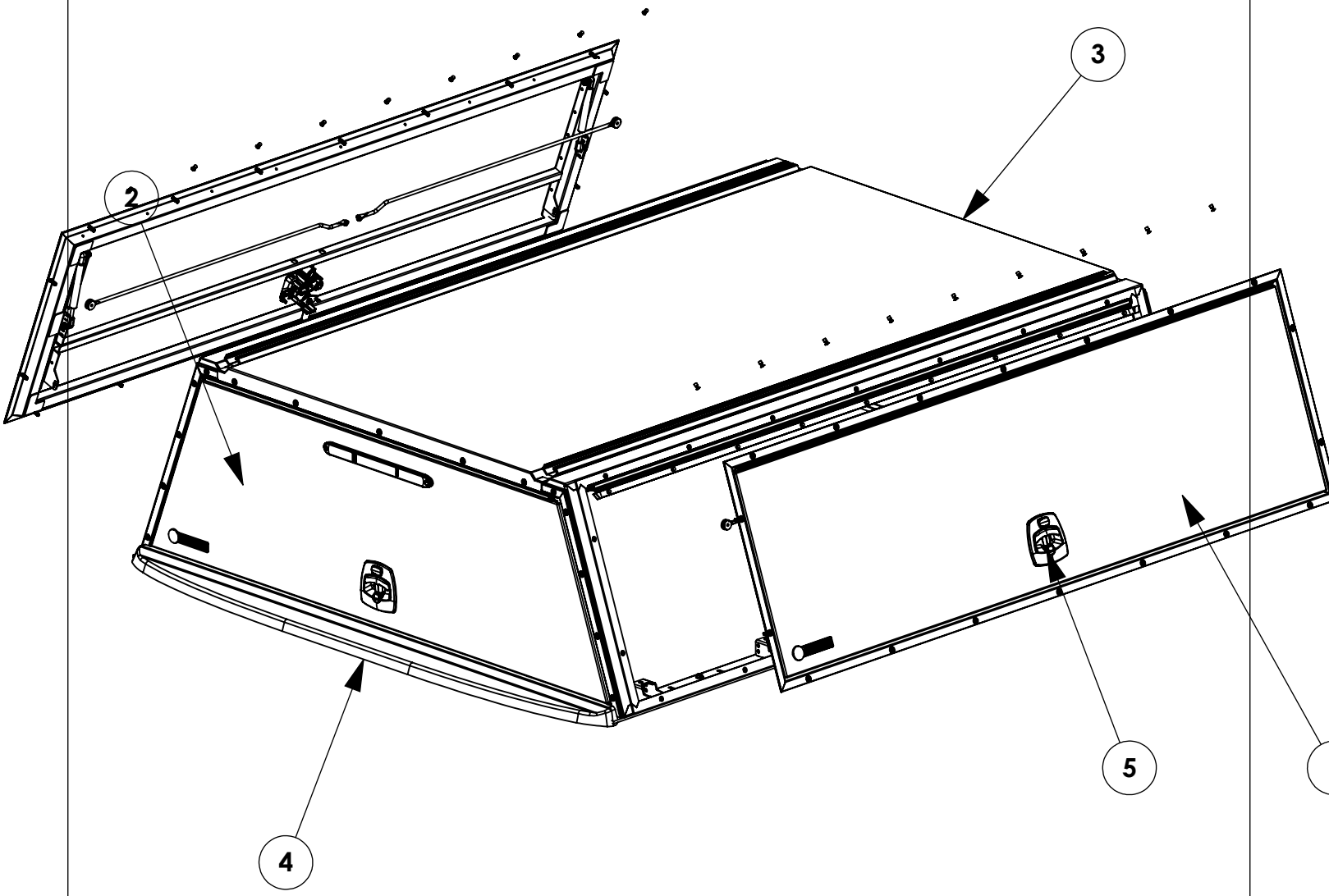
INSTR. NUMBER : 71622	PG: 11	REV: W
PART NUMBER : TFKGMT280HM23W		
PART DESC. : ASM INS, TFK__T178HM23W		

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	PG:	REV:
71622	12	W

PART NUMBER : **TFKGMT170HM23W**

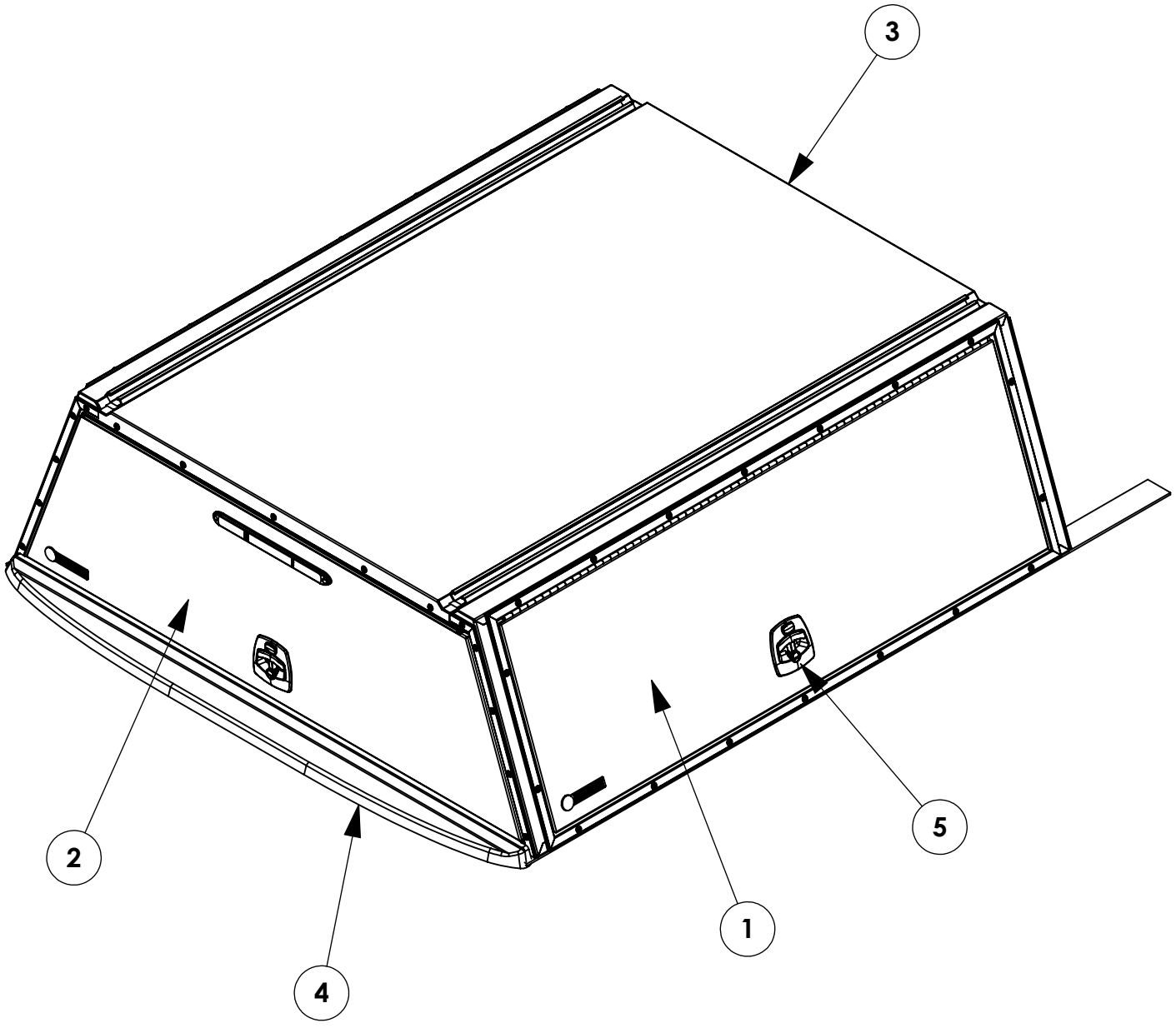
PART DESC. : ASM INS, TFK__T178HM23W

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**



BEST PRACTICES

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 HARNESSES TO AVOID INJURY OR PROPERTY DAMAGE FROM TOOL CONTACT.

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

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

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

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

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

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

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

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

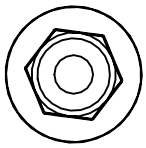
INTENTIONALLY LEFT BLANK

BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR

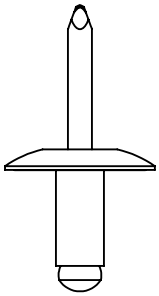
PAGE: **15**

FASTENERS USED

BAG REFERENCE: **ALL**



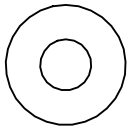
FAS0055
1/4-20 ZP
HFLNG NLK NUT
QTY: 10



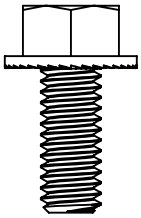
FAS1014
.25X.11GR AL
RIVET, BLND
QTY: 5



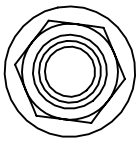
FAS0919
5/16-18 X 1.25 SST
BHC SCREW
QTY: 10



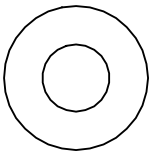
FAS0234
1/4 SST
FLAT WASHER
QTY: 30



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



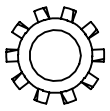
FAS0440
5/16-18 ZP
HFLNG NLK NUT
QTY: 16



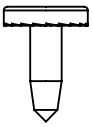
FAS0552
5/16 SST
FLAT WASHER
QTY: 10



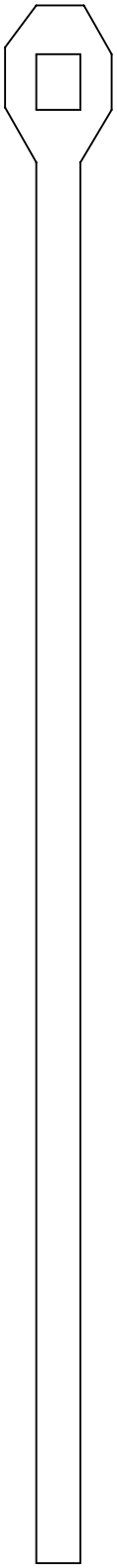
FAS0940
1/4-20 X 1.0 SS NP
BHTX SCREW
QTY: 30



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

INTENTIONALLY LEFT BLANK

BEST PRACTICE: ORGANIZE ALL FASTENERS & VERIFY THAT ALL ARE ACCOUNTED FOR

FASTENERS USED

BAG REFERENCE: **ALL**

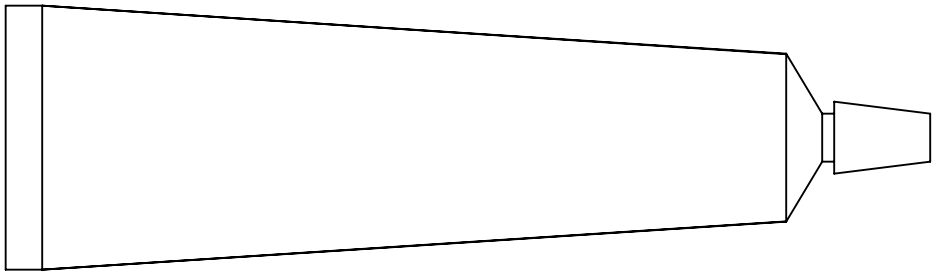


FAS0164
5/16 ALUM
FLAT WASHER
QTY BAG71794: 0
QTY BAG71801: 8

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

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

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

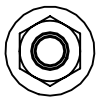


26618-0
1 OZ TUBE
SILICONE
QTY BAG71794: 2
QTY BAG71801: 2
QTY THKCOL60M23: 1

INTENTIONALLY LEFT BLANK

FASTENERS USED

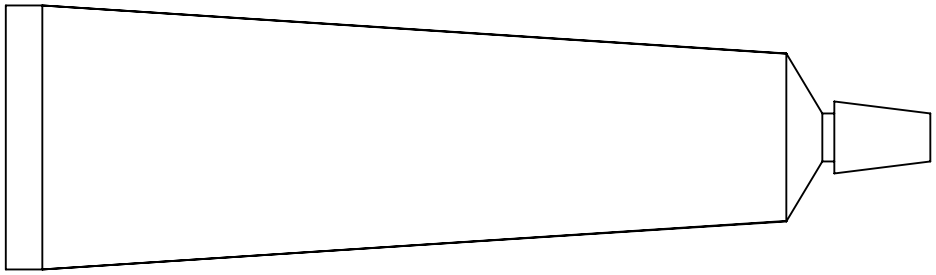
BAG REFERENCE: **BAG76637**



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

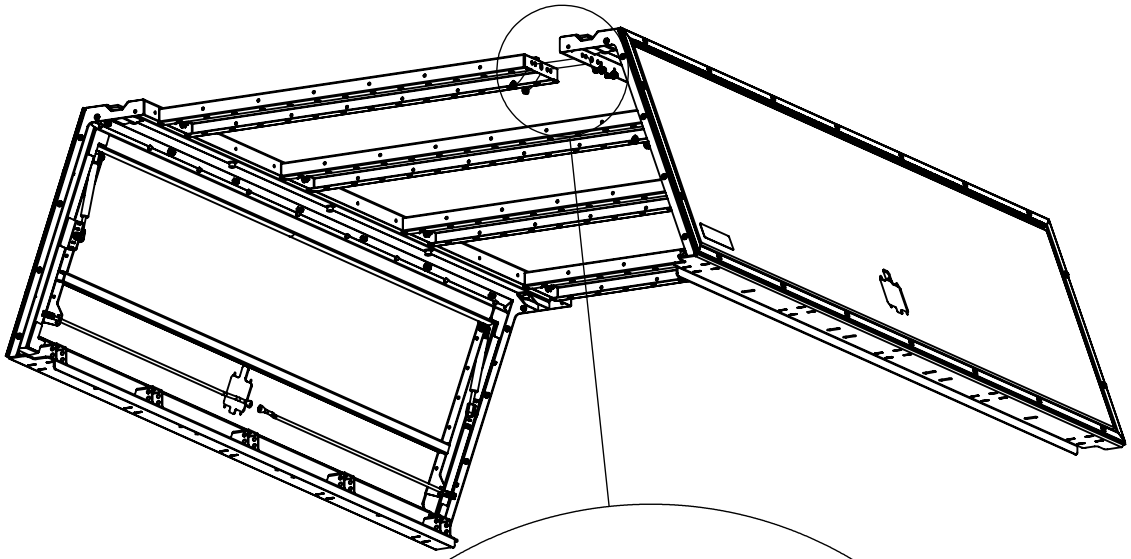
STEP 1 - ASSEMBLE BODY FRAME: SIDES AND CROSSBOWS

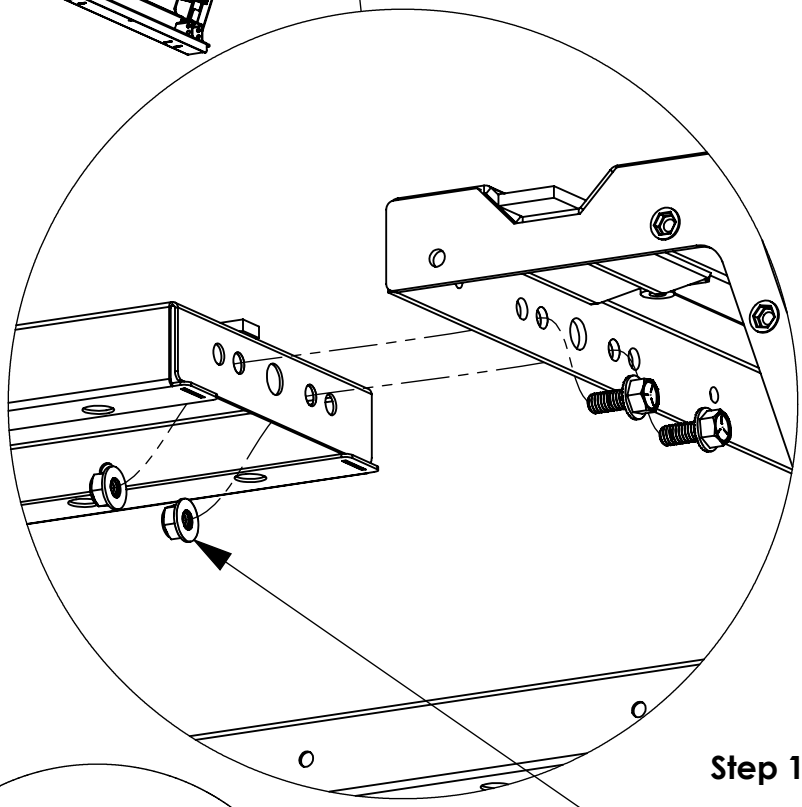
Step 1.1
OPEN [x2] TOPPER SIDE KITS [TSK78M23W]

Step 1.2
OPEN TOPPER ROOF KIT [TRK7823W]

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

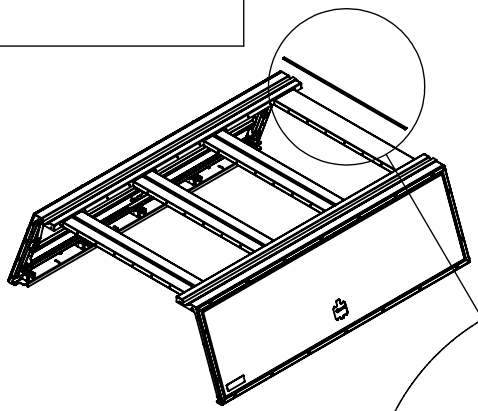
Step 1.4
ADD FOAM STRIP 80402 TO THE MIDDLE OF EACH CROSSBOW (4 PLACES)

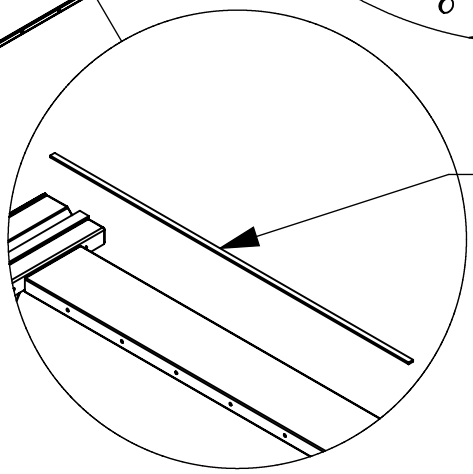




Step 1.3

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

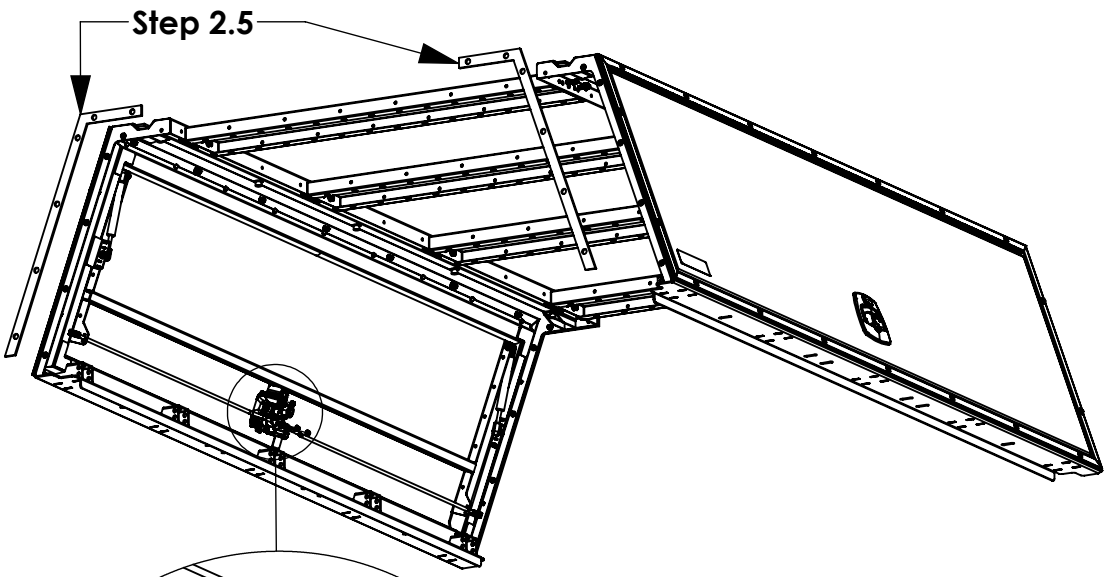
DO NOT OVERTIGHTEN

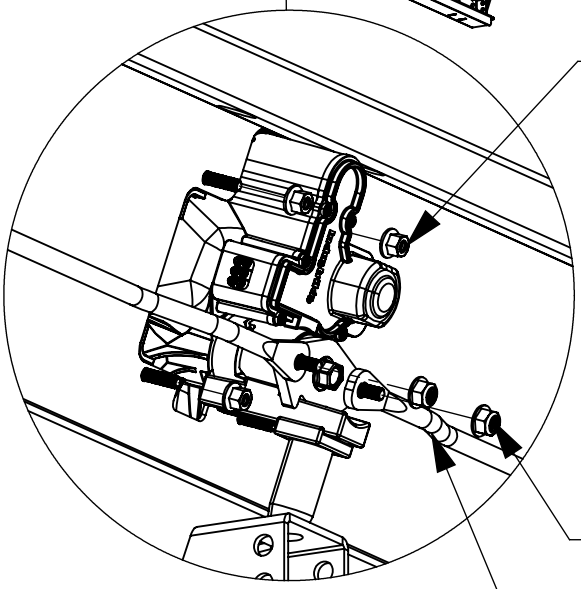
Step 2.4
ADJUST HANDLE POINT TO ALIGN WITH CASTING LINE ON HANDLE BODY
(APPROX: 1.0")

FULLY TIGHTEN
4mm ALLEN
(2 PLACES)

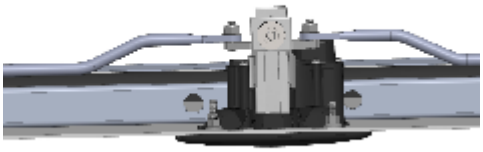
Step 2.5
APPLY FOAM SEALS TO ALL CORNERS.

USE HOLES IN SEAL TO ALIGN MATERIAL.

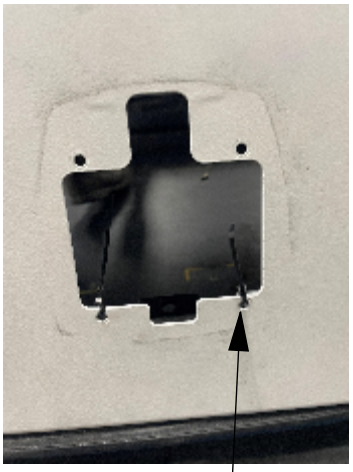


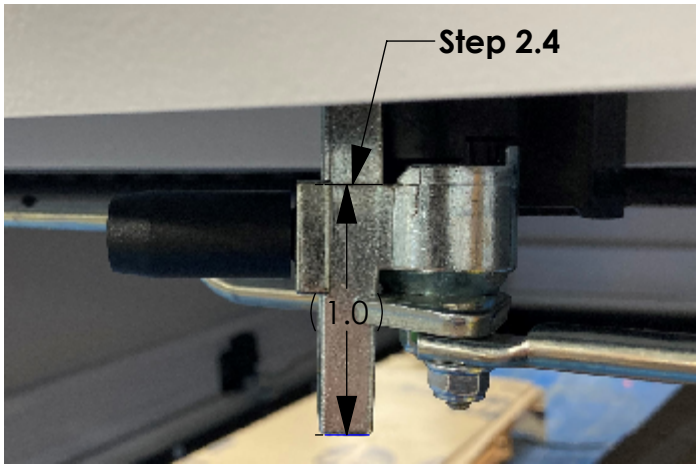


STOP STEP 2.2 & 2.3 HAVE DIFFERENT SIZED FASTENERS



NOTE THAT ORIENTATION OF LOCKRODS IS CRITICAL STOP





STEP 3 - ATTACH FRONT PANEL

Step 3.1
OPEN TOPPER CLOSURE KIT [TCK78HM23W]

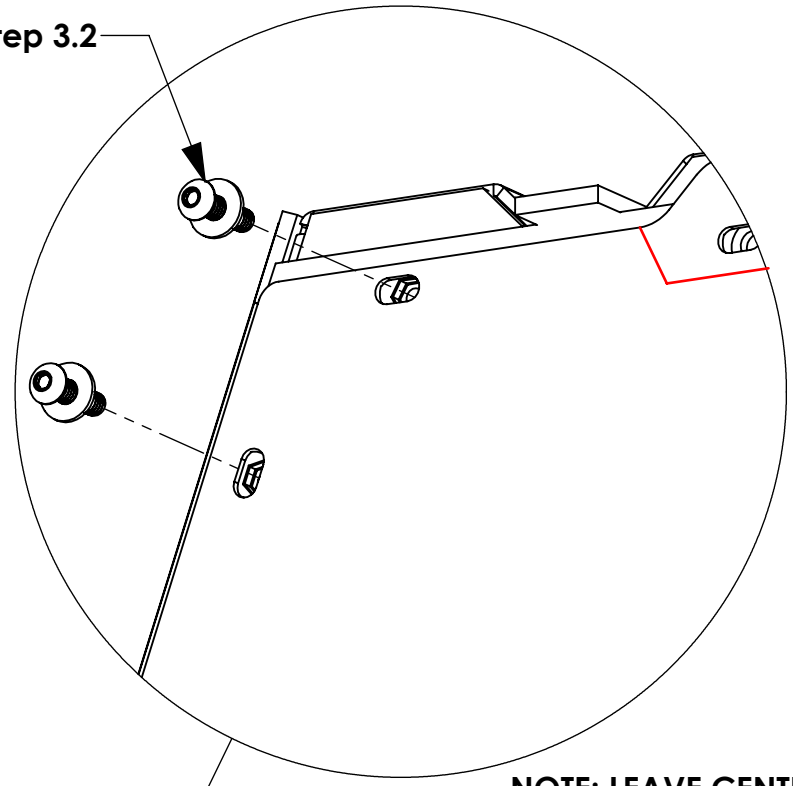
Step 3.2
ATTACH FRONT PANEL

<u>HAND TIGHTEN</u>
FAS0234, FAS0940 (10 PLACES)

DO NOT TIGHTEN UNTIL AFTER STEP 4

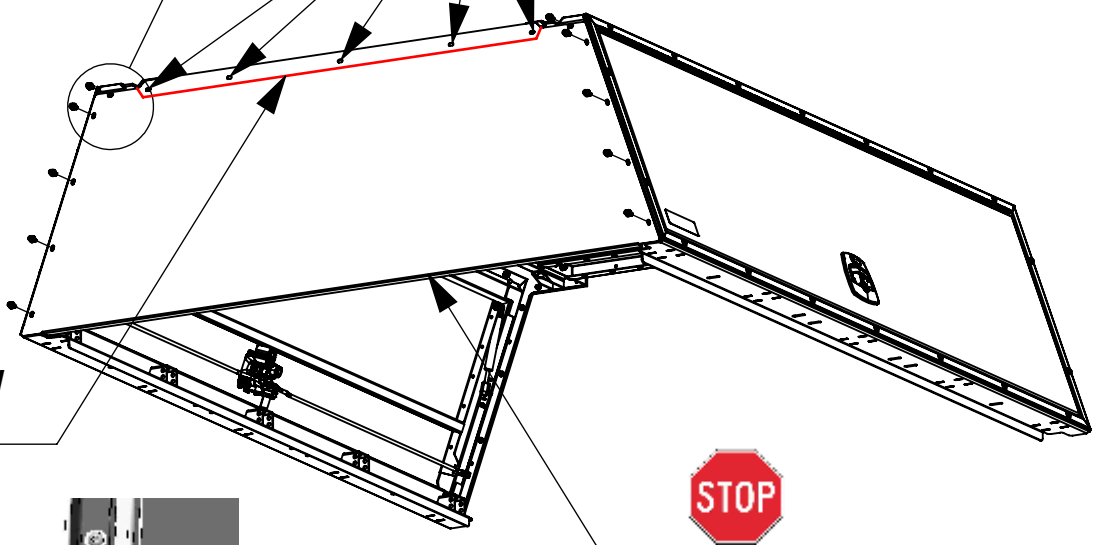
Step 3.2B
COLORADO FRONT PANEL FLANGE IS OUTBOARD

DO NOT TIGHTEN UNTIL AFTER STEP 4



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

STOP

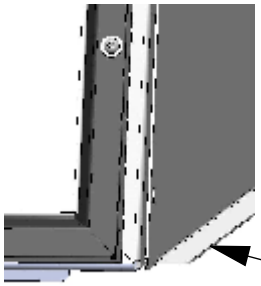


APPLY A STRIP OF SILICONE THEN RUNS THE LENGTH OF THE FRONT PANEL JUST BELOW THE SCREWS

STOP

NOTE: FRONT PANEL FLANGE GOES INBOARD.

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



STEP 3.2B

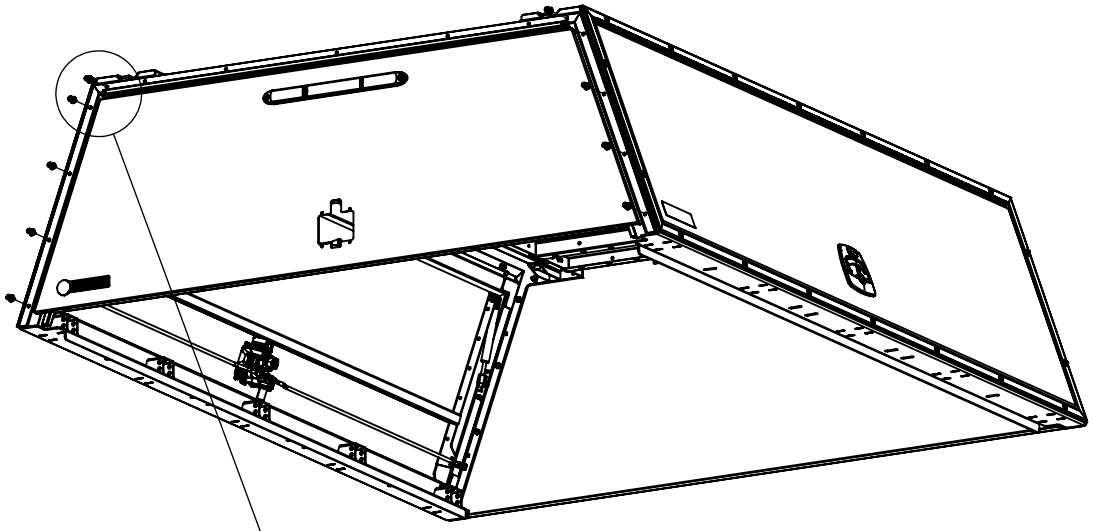
STEP 4 - ATTACH LIFTGATE

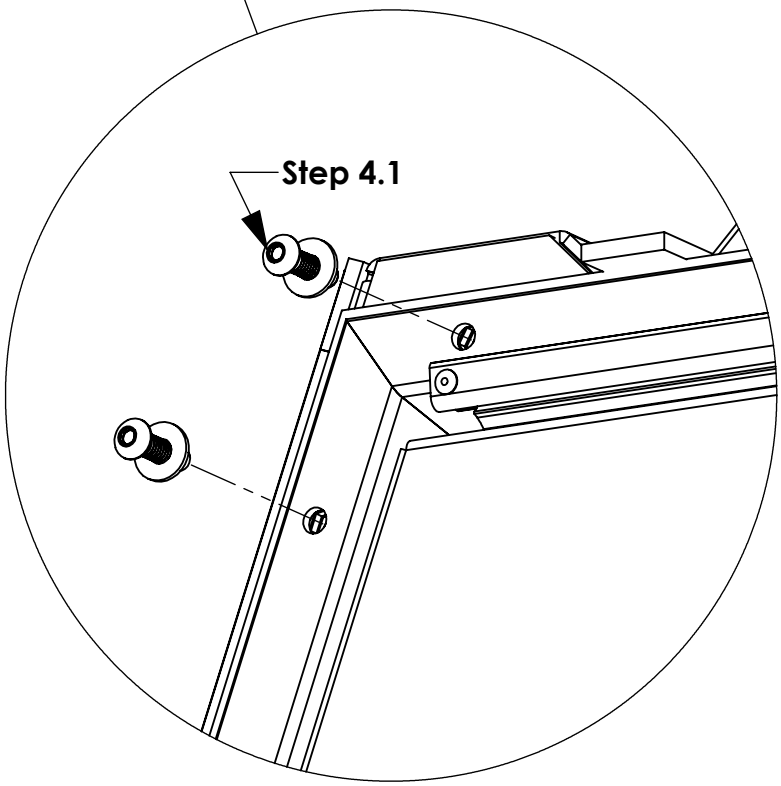
Step 4.1
ATTACH LIFTGATE FRAME

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

Step 4.2
GO BACK AND <u>FULLY TIGHTEN</u> FASTENERS FROM <u>STEP 3.2</u>

(10 PLACES)
5/32" ALLEN

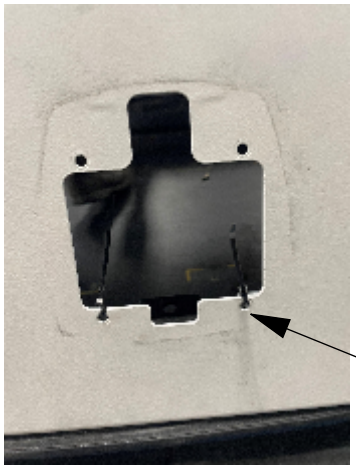


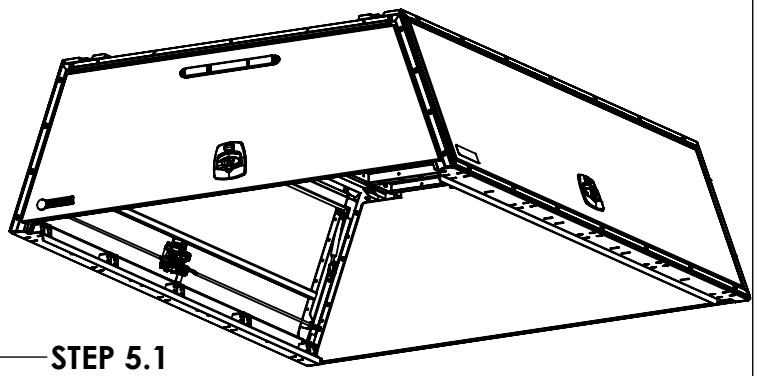


STEP 5 - ATTACH LIFTGATE HANDLE

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

!! CAUTION !!
DOOR MAY TRY TO OPEN.

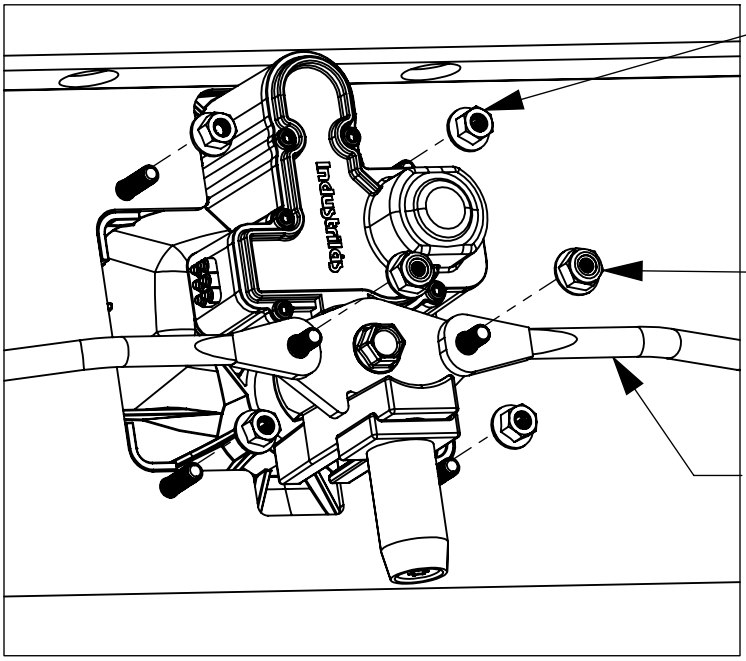




Step 5.2
ATTACH HANDLE TO DOOR

<u>FULLY TIGHTEN</u>
FAS0917
(4 PER DOOR)
M10 SOCKET

DO NOT OVERTIGHTEN



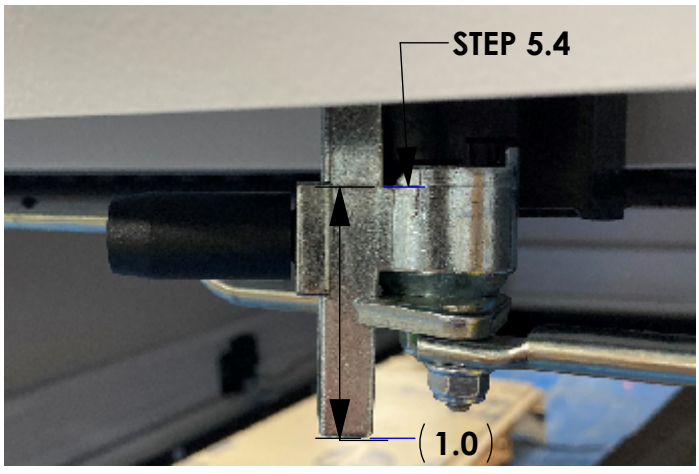
Step 5.3
ATTACH LOCKRODS TO HANDLE

<u>FULLY TIGHTEN</u>
FAS0918
(2 PLACES)
M8 SOCKET

DO NOT OVERTIGHTEN

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

FULLY TIGHTEN
M4 ALLEN
(2 PLACES)



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.

Step 6.2
ATTACH MOUNTING RAILS TO TOPPER BODY.

USE AN ALIGNMENT PUNCH TO POKE THROUGH SEALS

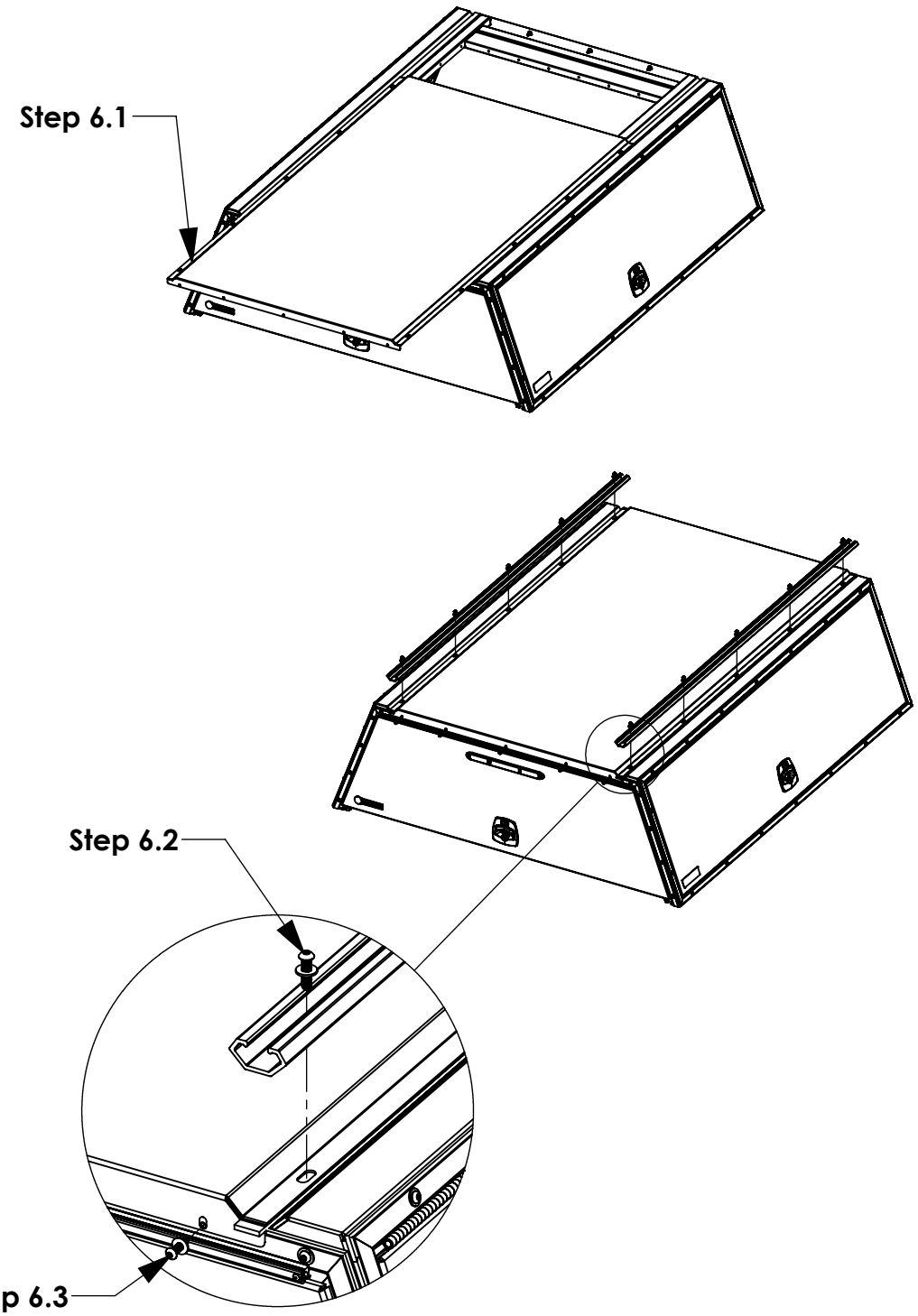
<u>FULLY TIGHTEN</u>
FAS0552, FAS0919 (10 PLACES) 3/16" ALLEN

Step 6.3
ATTACH ROOF TO TOPPER BODY.

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

STOP

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



STEP 7 - ATTACH TAILGATE COVER

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

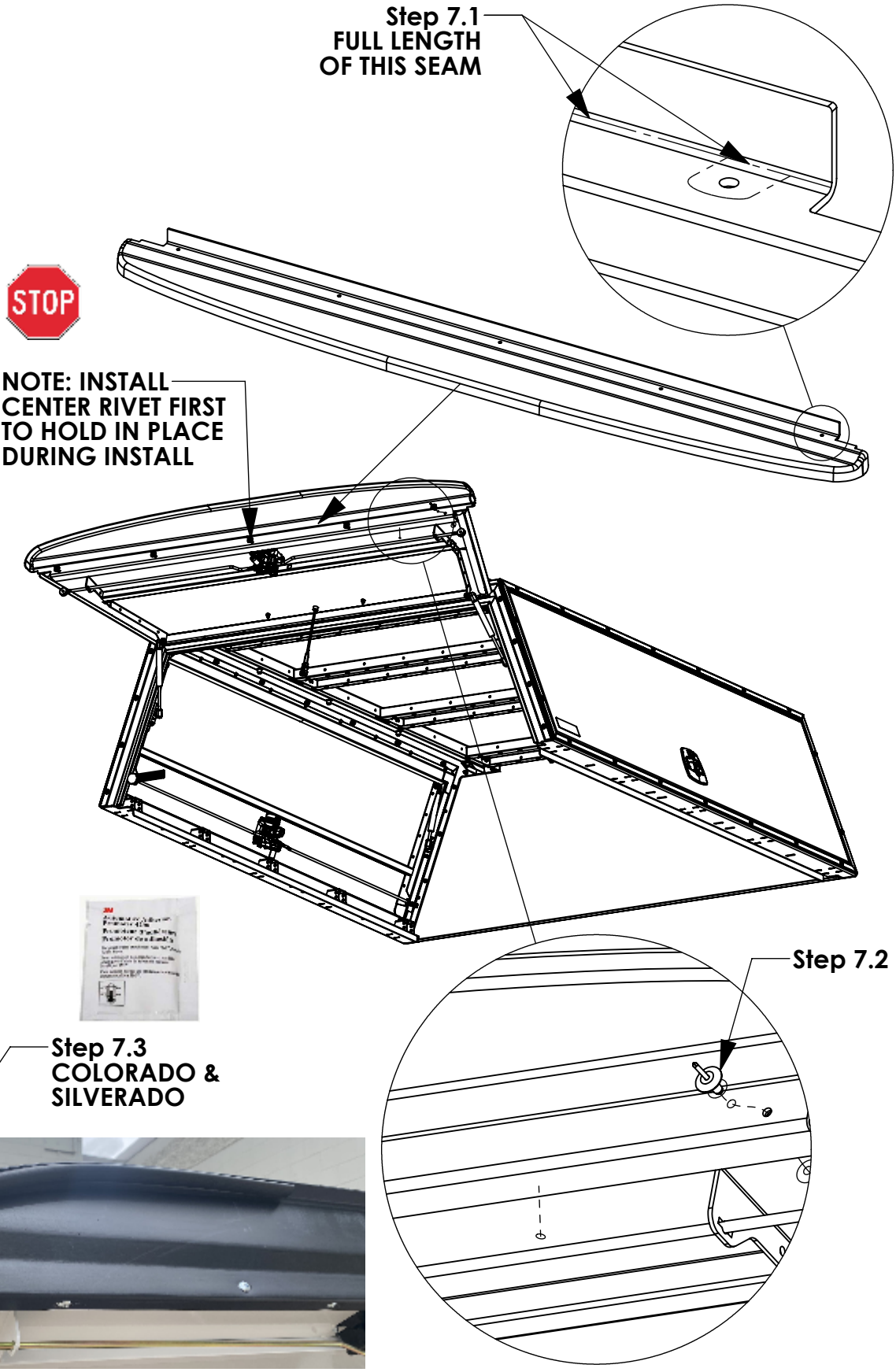
Step 7.2
ATTACH TAILGATE COVER TO REAR DOOR.

<u>FULLY SECURE</u>
FAS1014
(5 PLACES)

1/4" RIVET TIP

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

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



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.

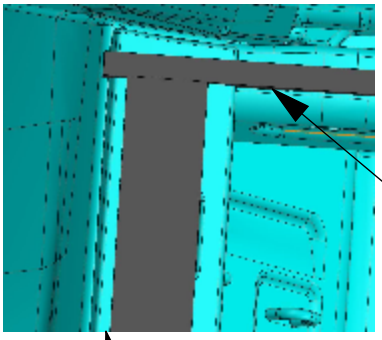
Step 8.2
INSTALL SIDE BED SEALS. ALIGN TO THE FRONT AND INSIDE EDGES OF THE SIDE BED RAIL TRIM.

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.

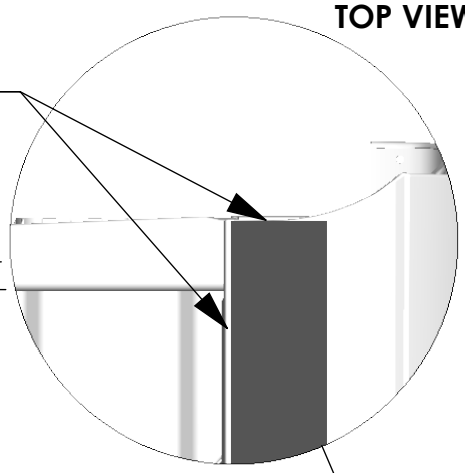
DO NOT TRIM EXCESS UNTIL TOPPER IS ON THE TRUCK.

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



STEP 8.3 1/4" GAP

TOP VIEW



FRONT

DRIVER'S SIDE

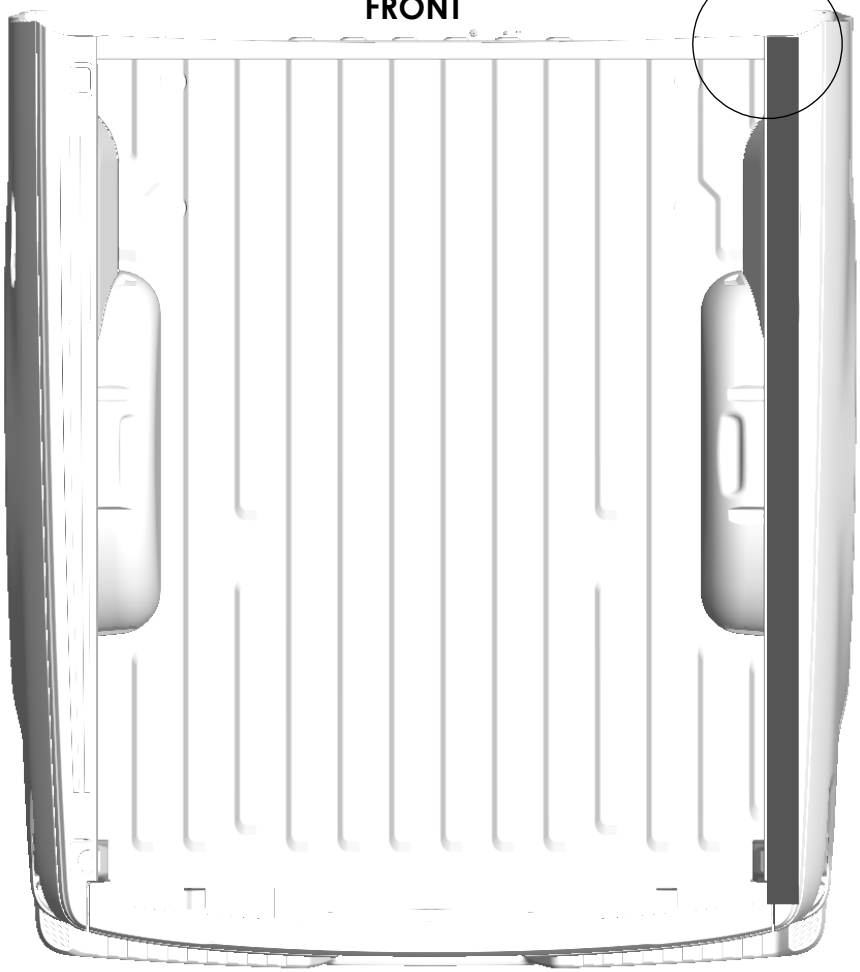


TABLE 1:

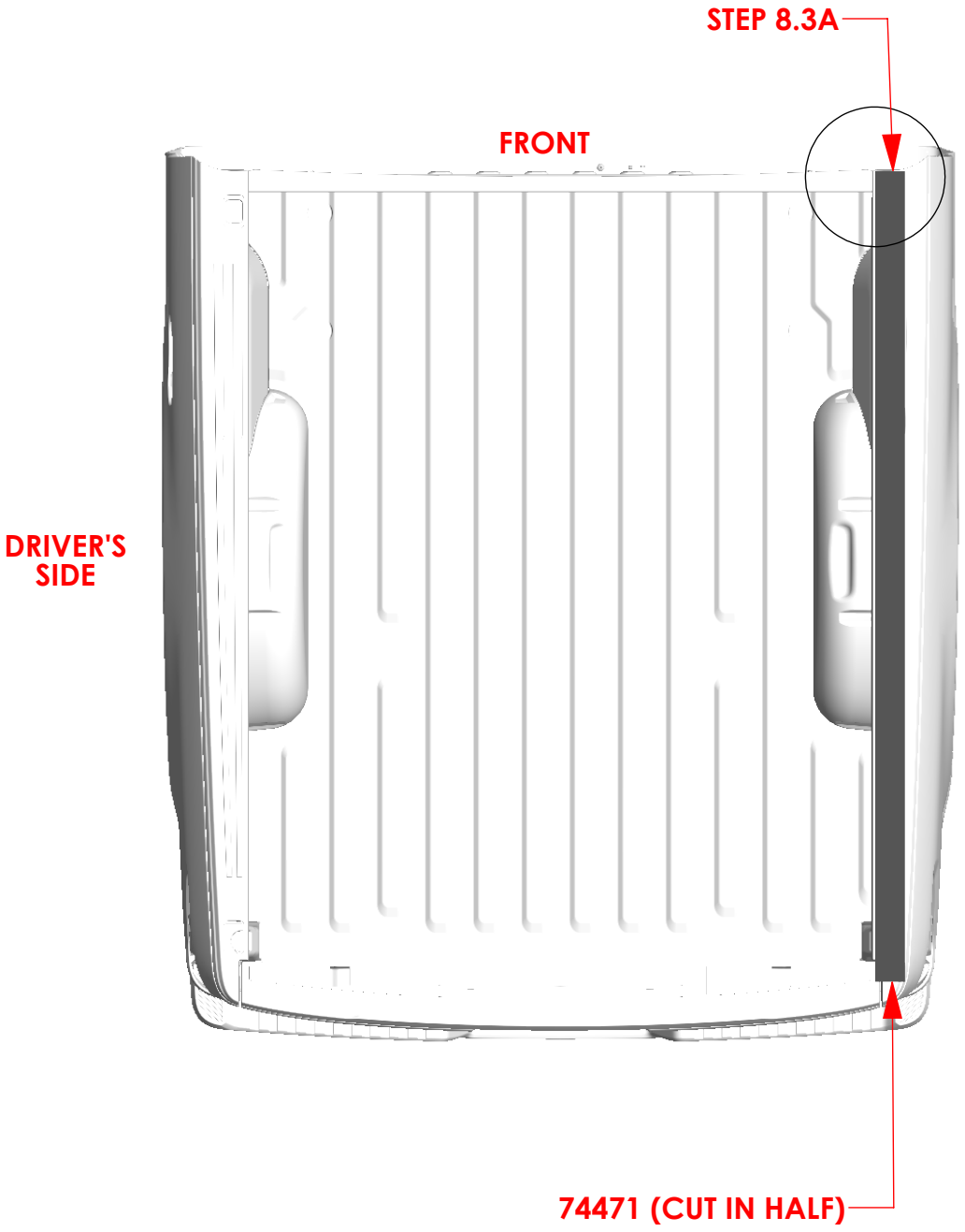
VEHICLE PLATFORM	DIST.
F-150	.875"
SILVERADO	0.25"
RAM	.15"

STEP 8.3 CONTINUED - INSTALL FOAM (NOTE: FOR CHEVY COLORADO ONLY)

Step 8.3A
COLORADO ONLY! CUT 74471 IN HALF TO MAKE TWO SEALS. INSTALL ADDITIONAL SIDE BED SEALS (74471 (X1)). ALIGN TO THE FRONT AND INSIDE EDGES OF THE SEALS FROM THE PREVIOUS STEP.

DO NOT TRIM EXCESS UNTIL TOPPER IS ON THE TRUCK.

Step 8.3B
SHIFT TO DRIVERS SIDE OF TRUCK AND MIRROR INSTALLATION OF THE FIRST HALF OF 74471.



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

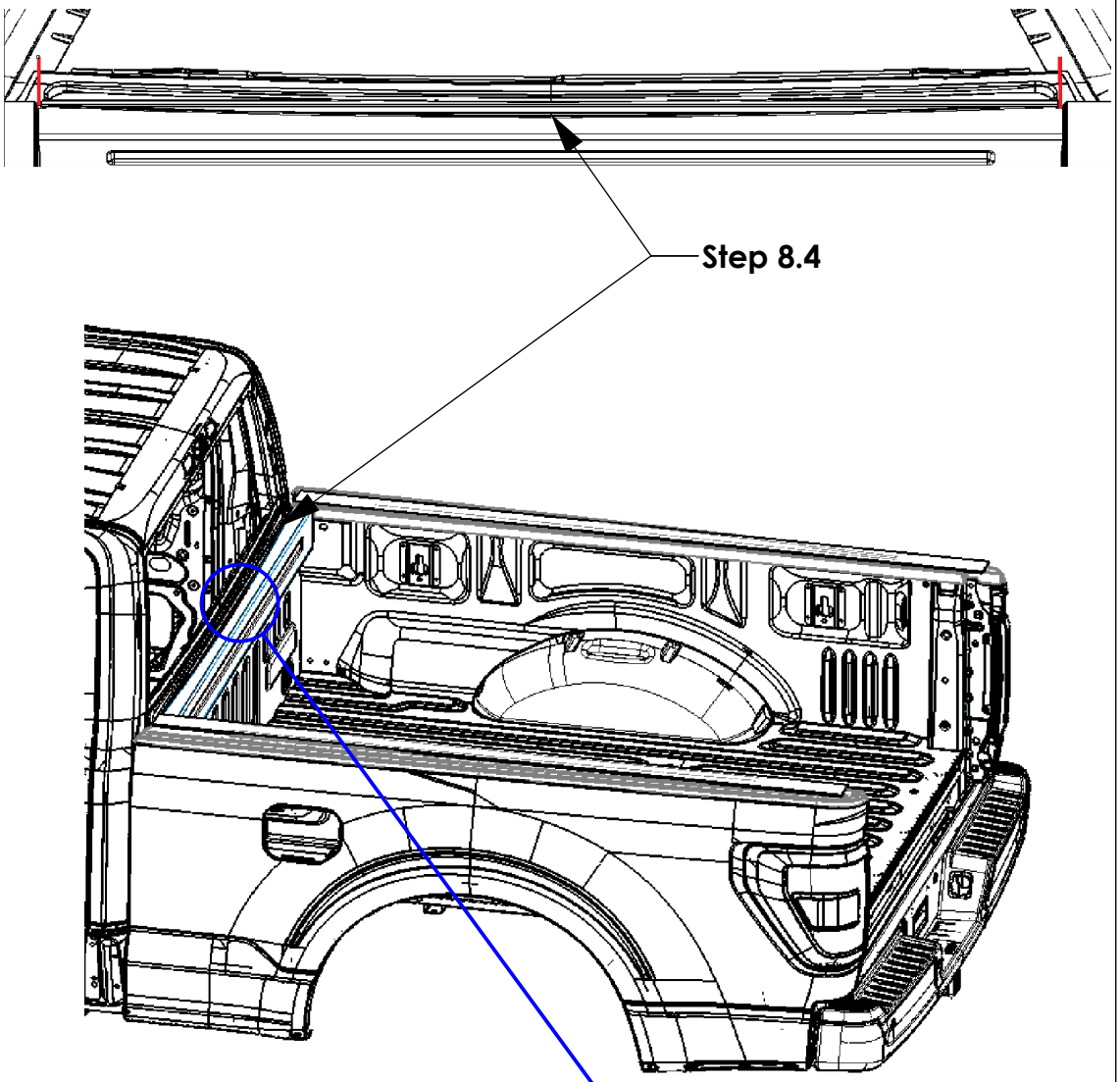
Step 8.4
PLACE 81456 GASKET IN THE GAP BETWEEN THE TRUCK BED AND CAB.



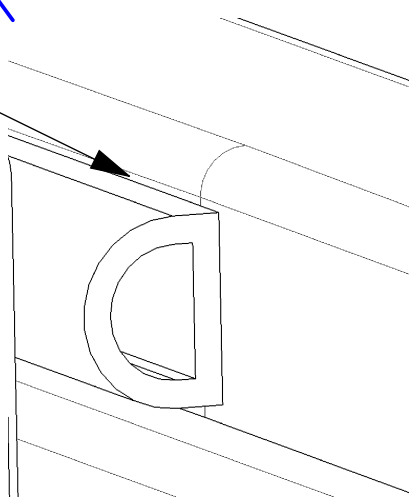
BEFORE ATTACHING TO TRUCK BED, CLEAN AND PREP AREA. DO NOT ATTACH TO PLASTIC TRIM. IF TRIM IS ON FRONT OF BED ATTACH TO CAB.

ONCE AREA IS PREPARED CENTER GASKET ON THE REAR WINDOW.

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



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



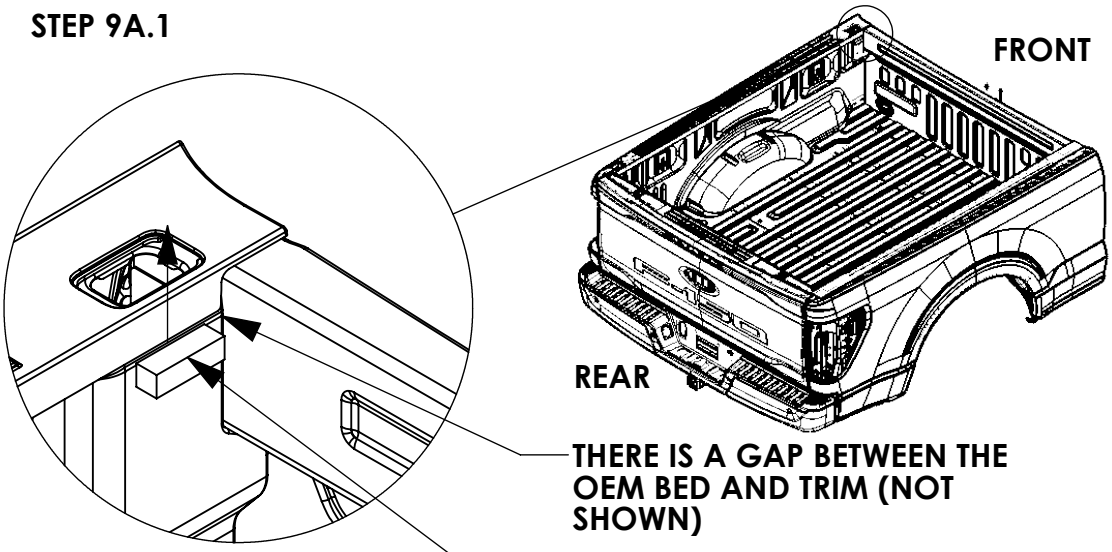
STEP 9A - INSTALL FOAM & 73740 SEALANT TO TRUCK CAB AND BED SEAMS *(NOTE: FOR CHEVY SILVERADO ONLY)*

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.2
INSERT A 2ND FOAM OF THE SAME DIMENSION INTO THE GAP, PERPENDICULAR TO THE ONE IN STEP 9.1, BOTH PIECES SHOULD BE TOUCHING

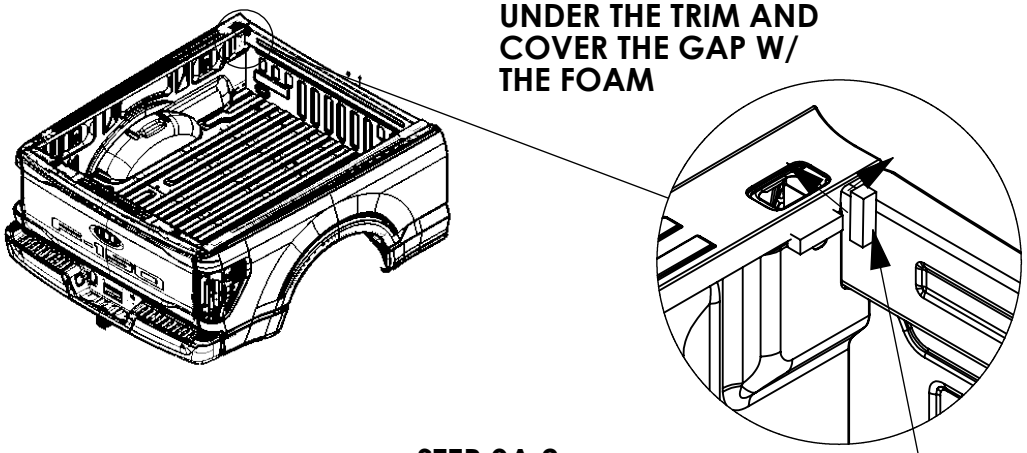
STEP 9A.3
SECURE BOTH PIECES OF FOAM IN PLACE WITH 3M SEALANT AROUND THE PERIMETER AND FILL ANY REMAINING GAPS, REPEAT ON PASSENGER SIDE

STEP 9A.1



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

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

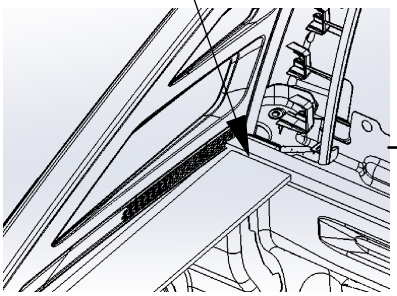
STEP 9B - INSTALL FOAM TO TRUCK CAB AND BED SEAMS (NOTE: FOR CHEVY SILVERADO EV ONLY)

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

STEP 9B.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

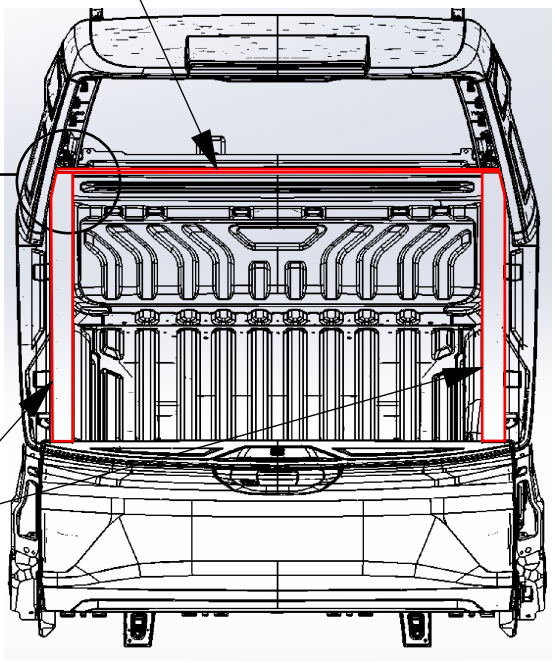
STEP 9B.1



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

71766

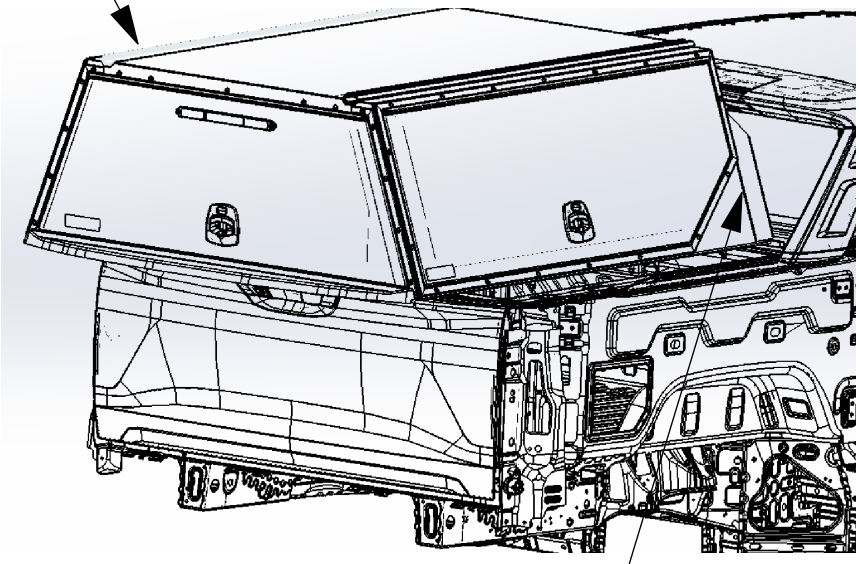
FRONT

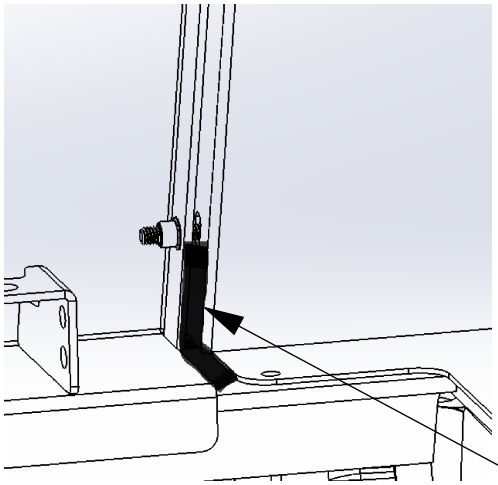


71768

REAR

STEP 9B.2





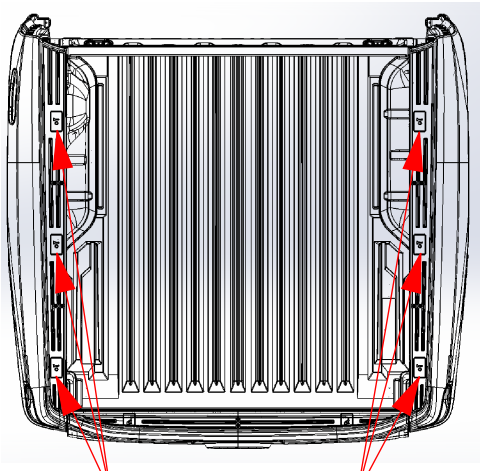
NOTE:
WHEN TOPPER IS IN PLACE USE SLICONE INSIDE OF TOPPER TO SEAL GAPS AT FRONT OF TOPPER . (AS SHOWN)

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,

STOP

DO NOT DRILL INTO THE RAIL

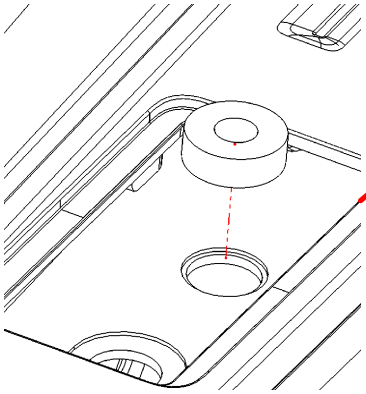


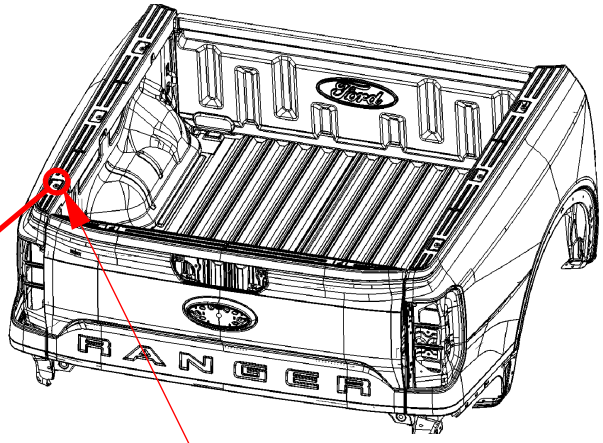
STEP 9C.1

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



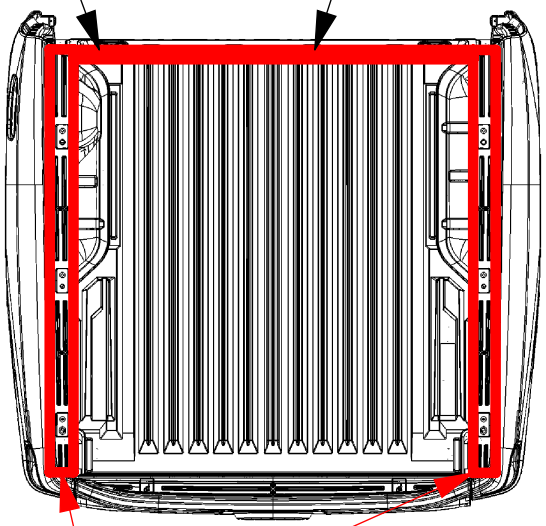


STEP 9C.2

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

STEP 9C.3

71766



71768

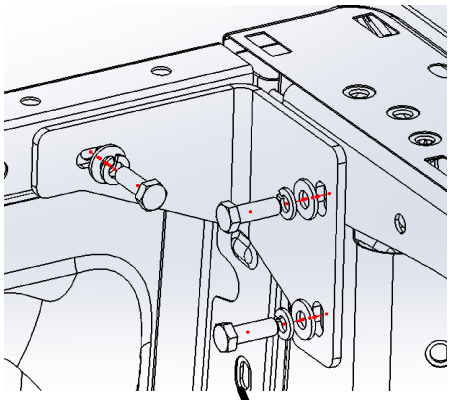
STOP

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

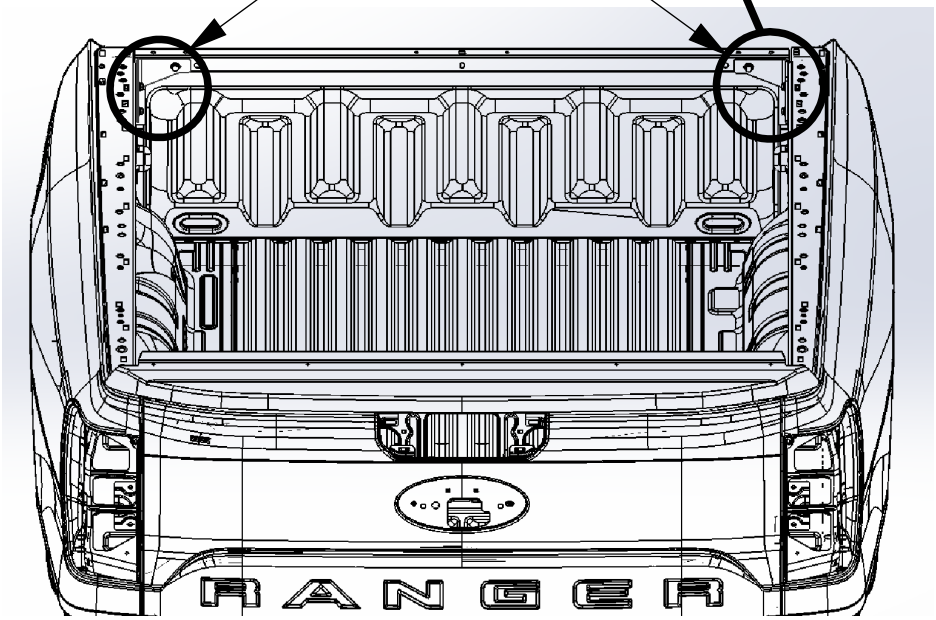
STEP 9C - INSTALL FOAM, (6) SPACER & 73740 SEALANT TO TRUCK CAB AND BED SEAMS (NOTE: FOR FORD RANGER ONLY)

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



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

STEP 10 - ATTACH TOPPER TO TRUCK BED

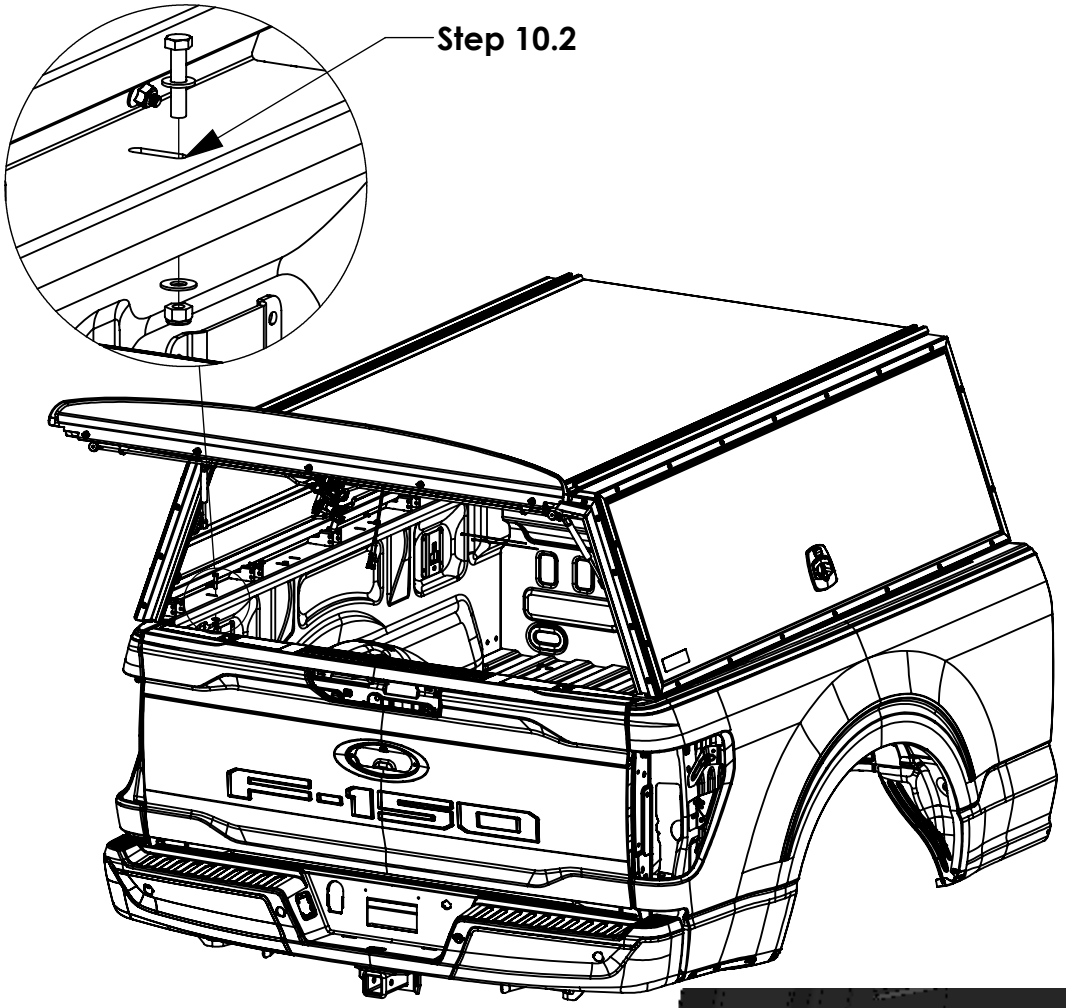
NOTE: (FOR 8.0' 26" TALL RAM 1500, 2500, 3500 ONLY) TOPPER MUST BE SOFT INSTALLED TO MARK FOR DRILLING. TOPPER TO BE REMOVED PRIOR TO DRILLING.

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.

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

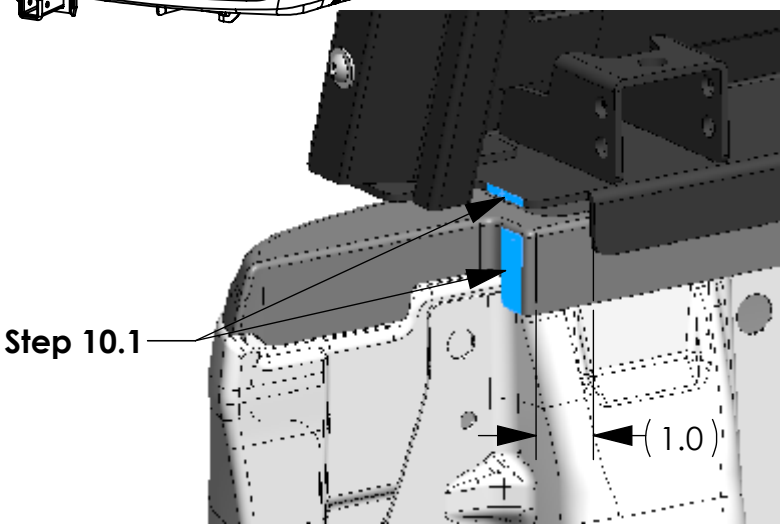
-HOIST: ATTACH TO THE ROOF RAILS OF THE TOPPER
-FORKLIFT: OPEN THE REAR DOOR AND SET FORKS ON THE ROOF BOWS
-MANUAL: HAVE 1 INDIVIDUAL AT EACH CORNER OF THE TOP AND CARRY OVER THE SIDES OF THE TRUCK. DO NOT SCRATCH THE VEHICLE.



Step 10.2
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 10 ALT- ATTACH TOPPER TO TRUCK BED

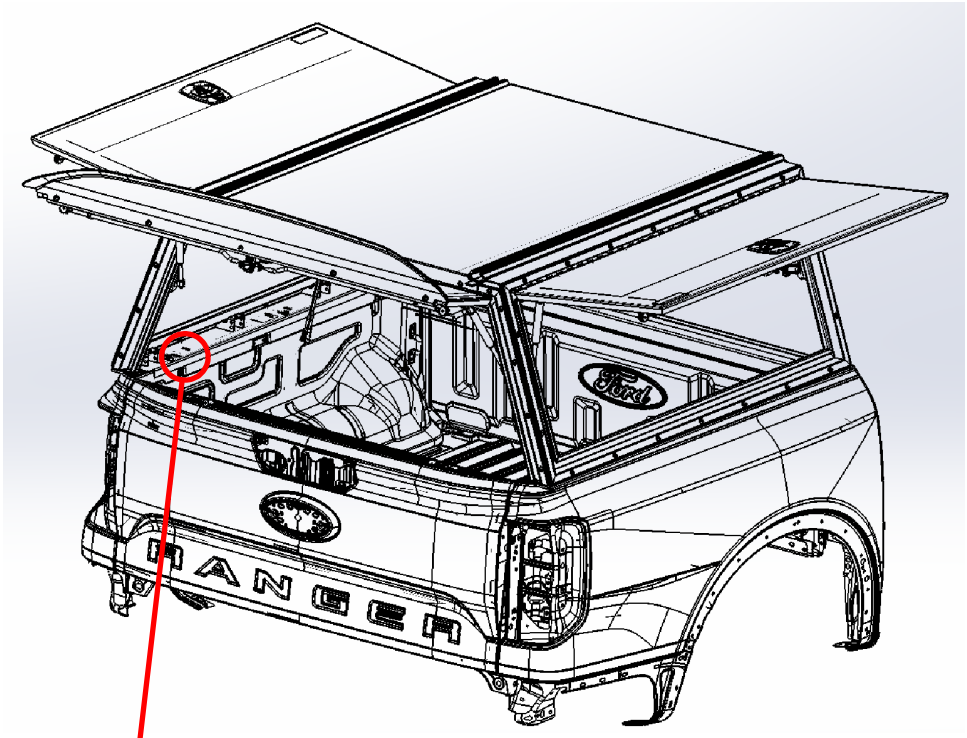
STOP NOTE: (FOR 5.0' FORD RANGER ONLY) TOPPER MUST BE SOFT INSTALLED TO MARK FOR DRILLING. TOPPER TO BE REMOVED PRIOR TO DRILLING.

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.

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.

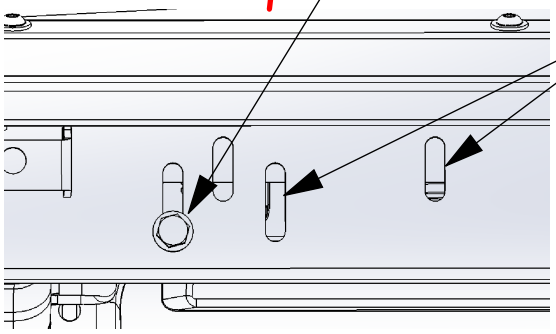


Step 10.2 ALT
USE HOLES IN THE BED RAIL TO MARK AND DRILL MOUNTING LOCATIONS. IT IS NOT NECESSARY TO REMOVE THE TOPPER FOR THIS STEP.

(8 PLACES)
11/32" DRILL BIT

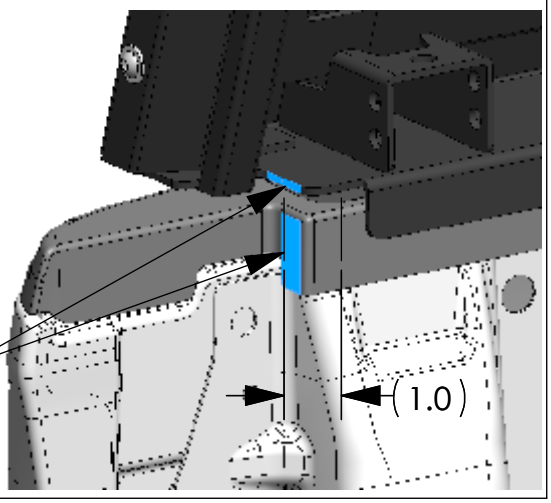
STOP

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



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



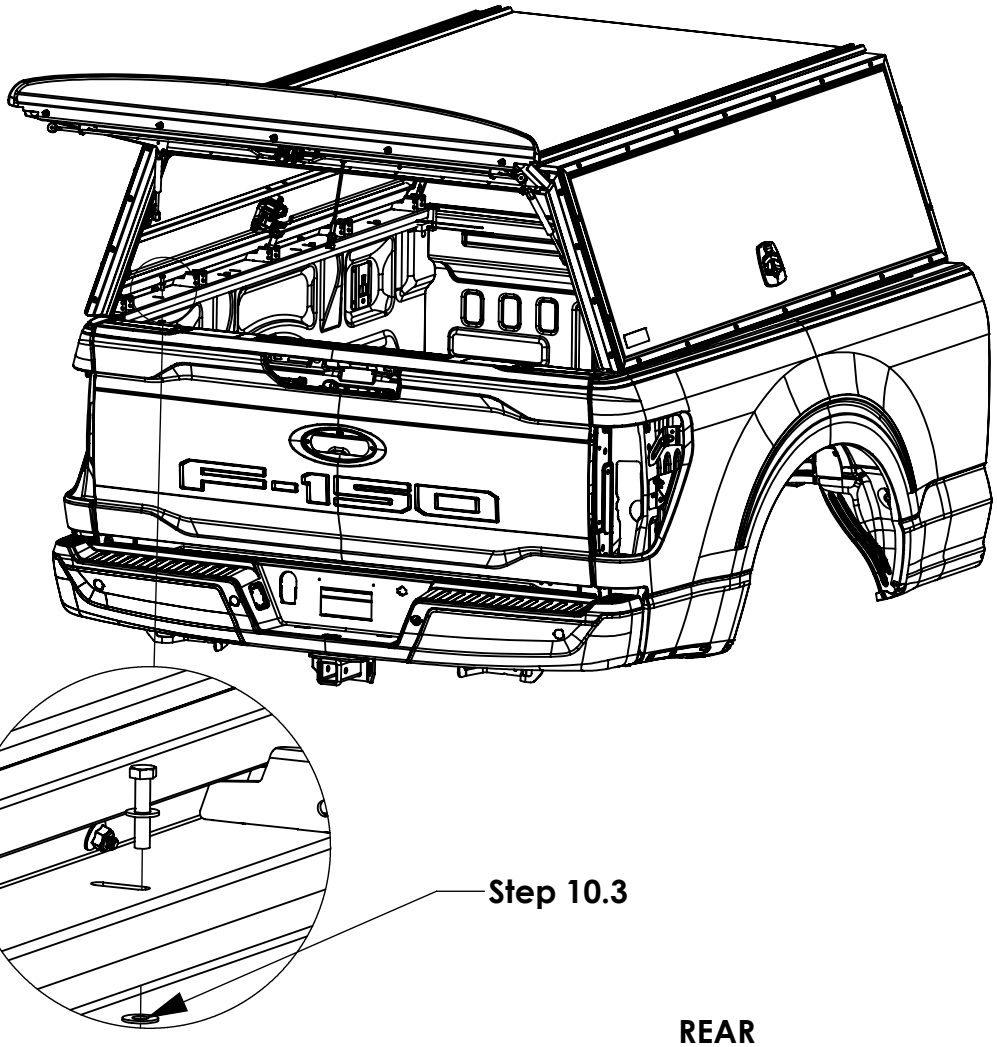
STEP 10 - ATTACH TOPPER TO TRUCK BED

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

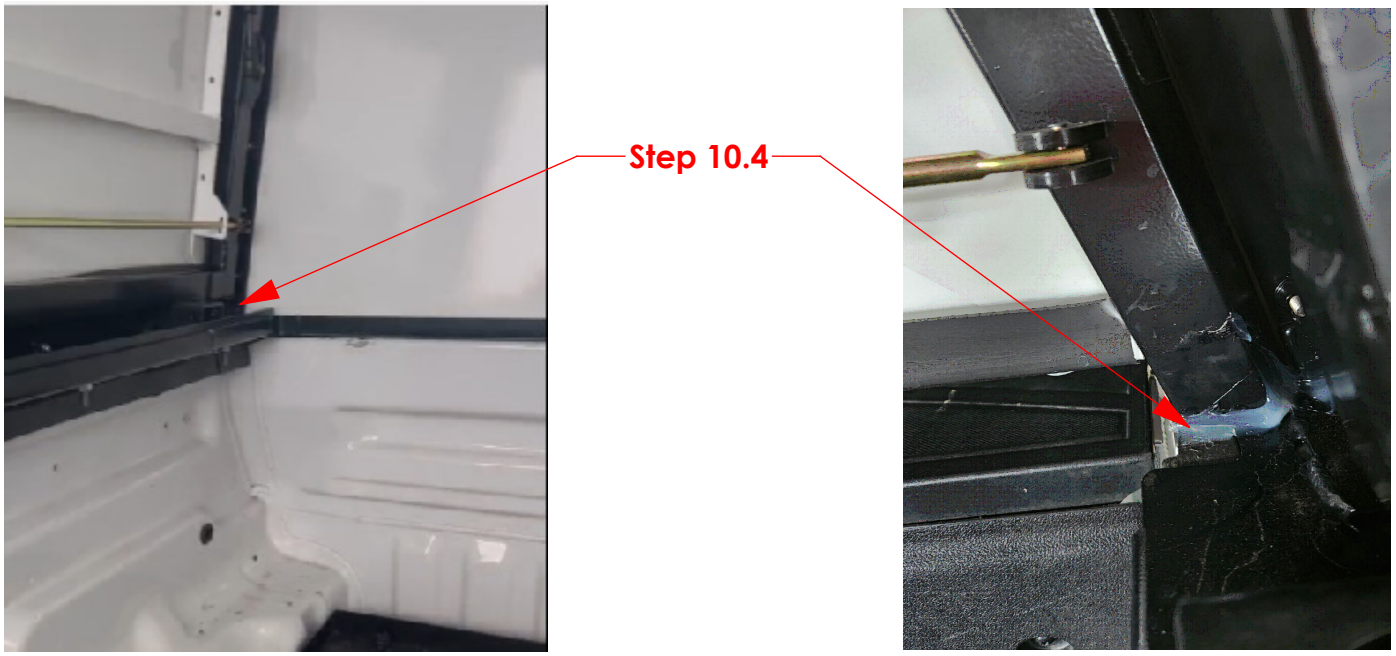
(8 PLACES)
1/2" SOCKET
1/2" WRENCH

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



FRONT

REAR



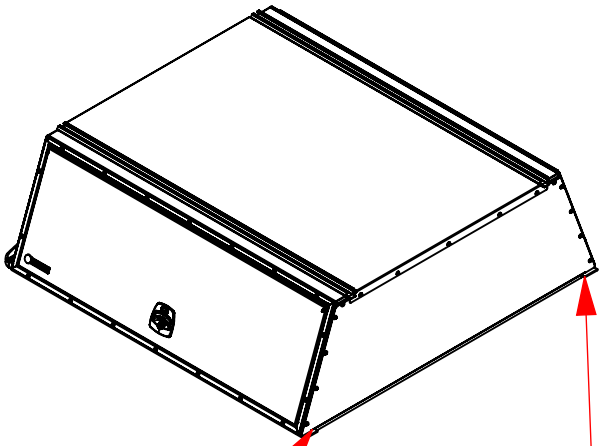
MAKE SURE ALL FASTENERS ARE TIGHTENED!! INSTALLATION IS COMPLETE

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

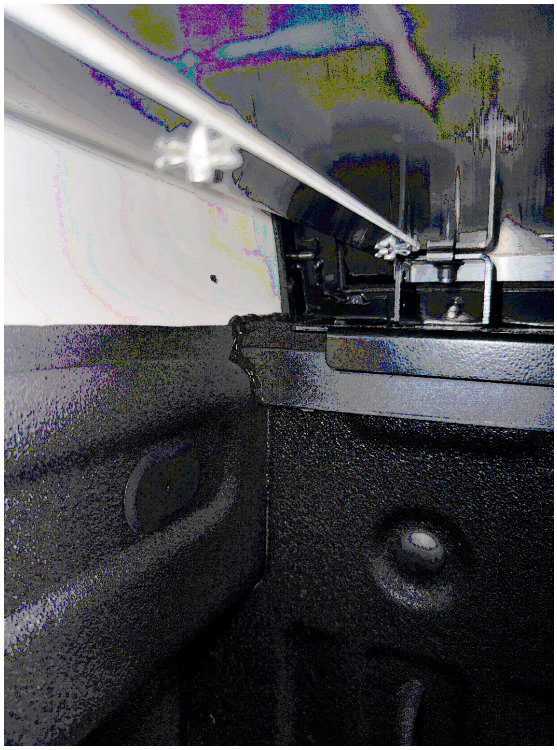
NOTE: THIS STEP IS FOR COLORADO TOPS ONLY

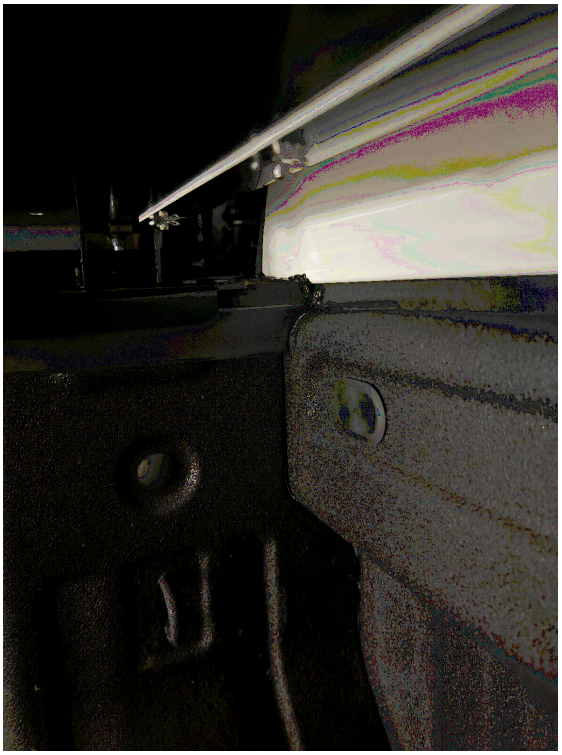
Step 10.4B ONCE TOPPER IS BOLTED TO BED RAILS, APPLY SILICONE (26618-0) TO LOWER INSIDE CORNERS OF THE TOPPER CLOSEST TO THE CAB, SEALING THE GAP TO THE BED RAIL.

NOTE: IMAGES SHOW BLACK SEALENT, SILICONE PROVIDED WILL BE CLEAR.



PASSENGER SIDE **DRIVER SIDE**





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.

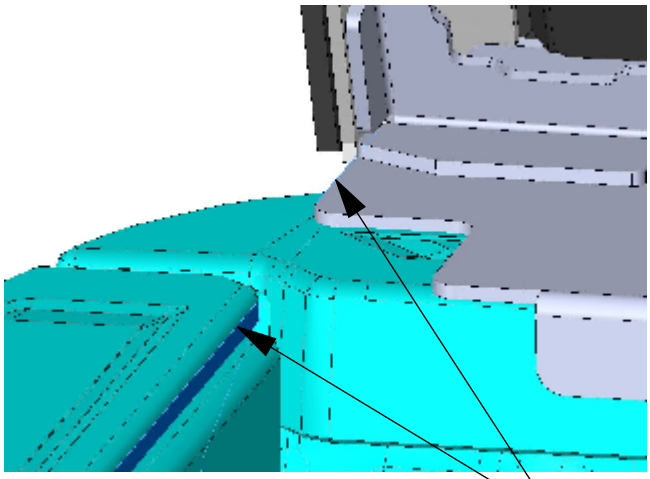
THESE 2 FACES SHOULD BE ALIGNED.

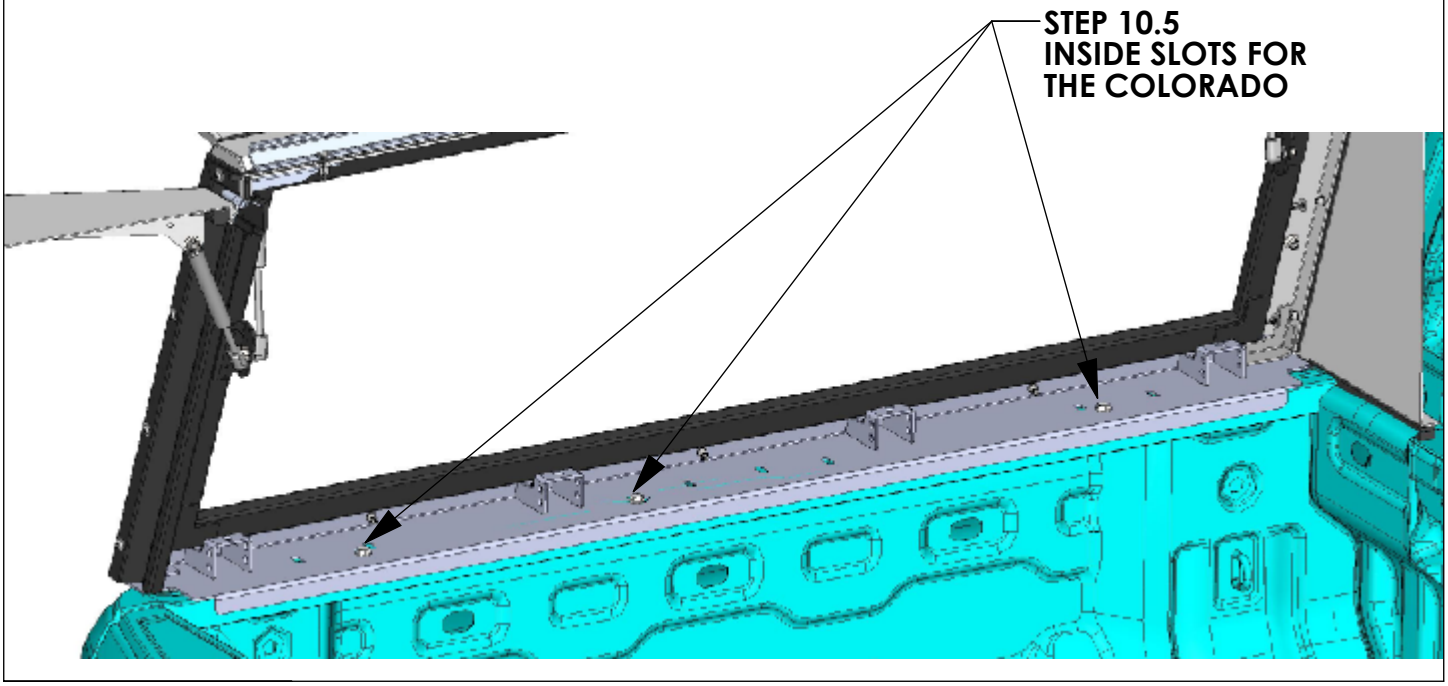
Step 10.5
USING THE HOLES YOU JUST DRILLED OUT, FASTEN THE TOPPER TO THE TRUCK BED.
FAS0242,
FAS0552 [x2],
FAS0248

(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.





MAKE SURE ALL FASTENERS ARE TIGHTENED!! INSTALLATION IS COMPLETE

Introduction / Comments:

Install Instructions For Brake Light On Topper For RAM 1500/2500/3500 (5.6' - 8')

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 Brake Light On Topper For RAM 1500/2500/3500 (5.6'-8')

Section 1: Table of Contents

Table of Contents:

Page 1: Cover Page/Introduction 1
Section 1: TOC & Safety Precautions Information 2
Section 2: Cable Kit Part Identification 3
Section 3: Tools Needed & Fastener ID/Torque Table 4
Section 4: General Vehicle Layout 6
Section 5: General Wiring Diagram 7
Section 6: Vehicle Integration 8-16
Section 7: Test and Check 17

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: Cable Kit Part Identification [PART# 72914]:

Pre-Assembly Picture of All Parts



Parts Included:

- (173") Nylon Harness Loom
- (1) P-Clip, Philips self tapping screw
- (4) Self-Adhesive tie mounts
- (2) Alcohol pads
- (1) Grommet
- (7) Tree mount cable ties
- (10) Cable ties
- (1) Fastener



Section 3: Tools Needed & Fastener ID/Torque Table:



1. Insulated Splice Crimper
2. Wire Strippers
3. Diagonal Cutters
4. Drill driver
5. Phillips Bit with 9/16" Drill driver bit
6. 3/4" Hole or Step Drill (Unibit)
7. Sockets:
   - 10mm
   - Socket driver and extensions

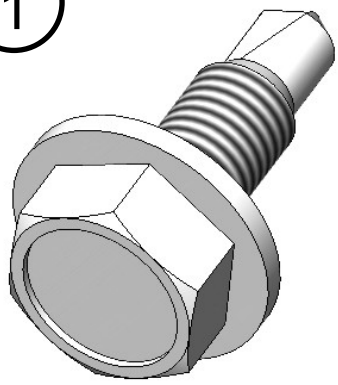
Figure 4-1: Tools Needed for Installation

Section 3: Tools Needed & Fastener ID/Torque Table:

Torque Table for KIT 67342 [HYB]: 700/1000W

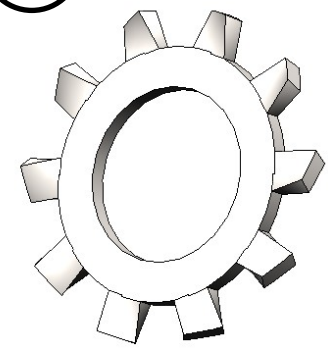
ITEM NO.	ASC PN	Description	PCS	Torque Range	Use Wrench or Size
1	FAS0641	¼" HH Self tapper	1		7/16"
2	FAS0066	¼"Star tooth Washer Galv.	1	—	—
3	Ground Stud Fastener (Used for RAM 1500 only)	10mm Nut	1	12Nm [+/- 1.2Nm] (106 lb.in).	10mm NUT

1

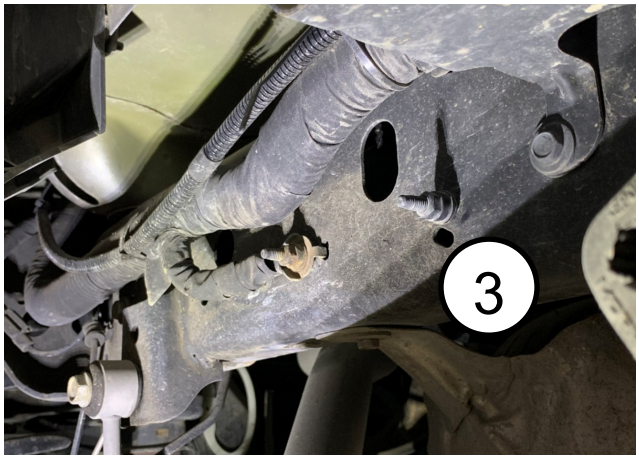


Used for 2500/3500 Only

2

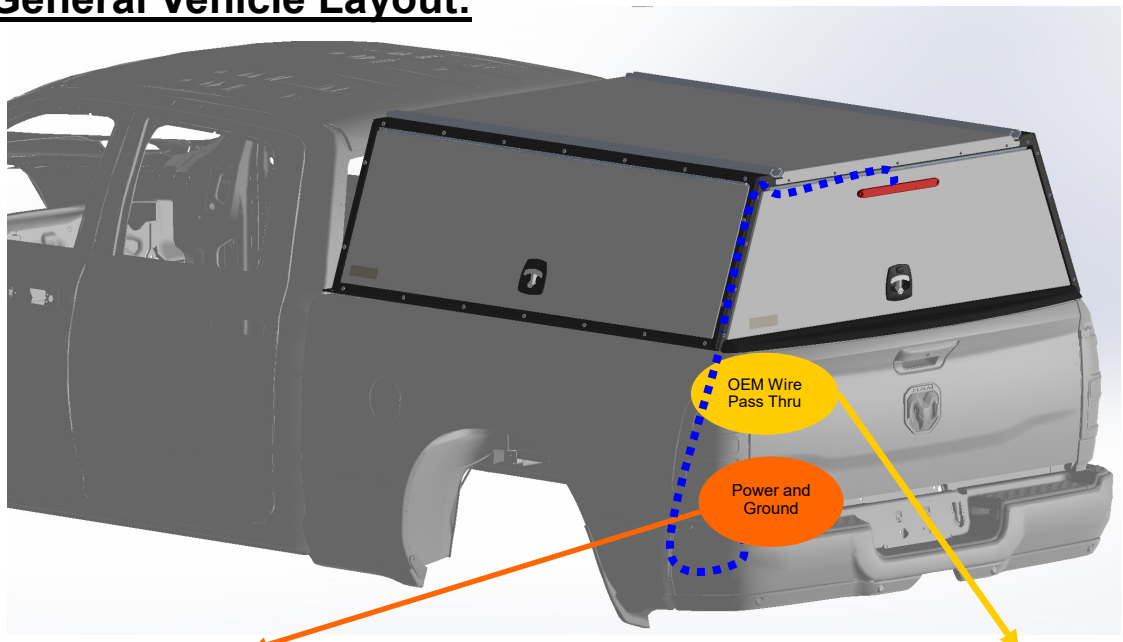


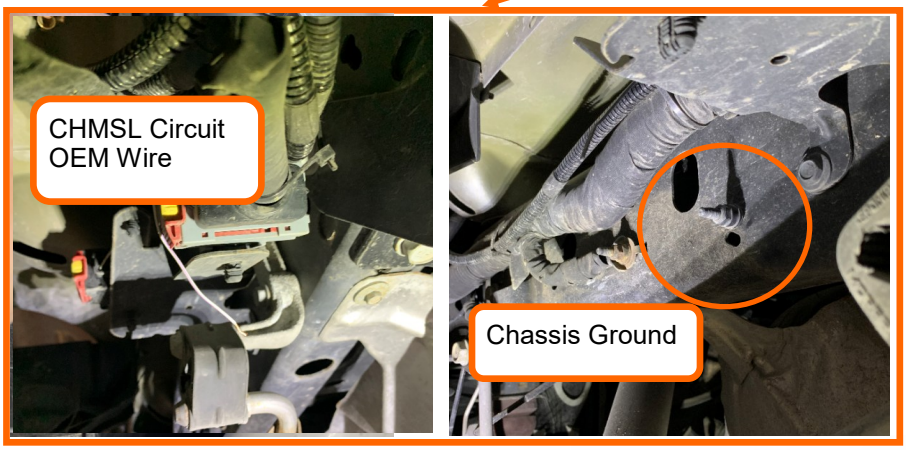
Used for Grounding to Chassis

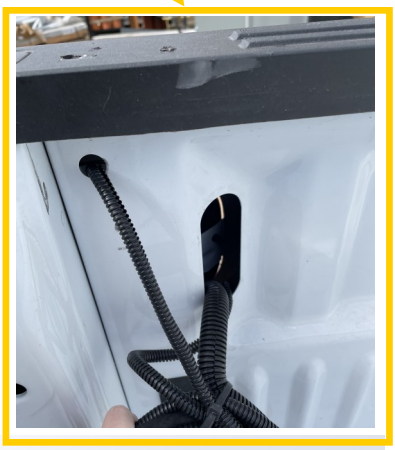


RAM 1500 Only

Section 4: General Vehicle Layout:



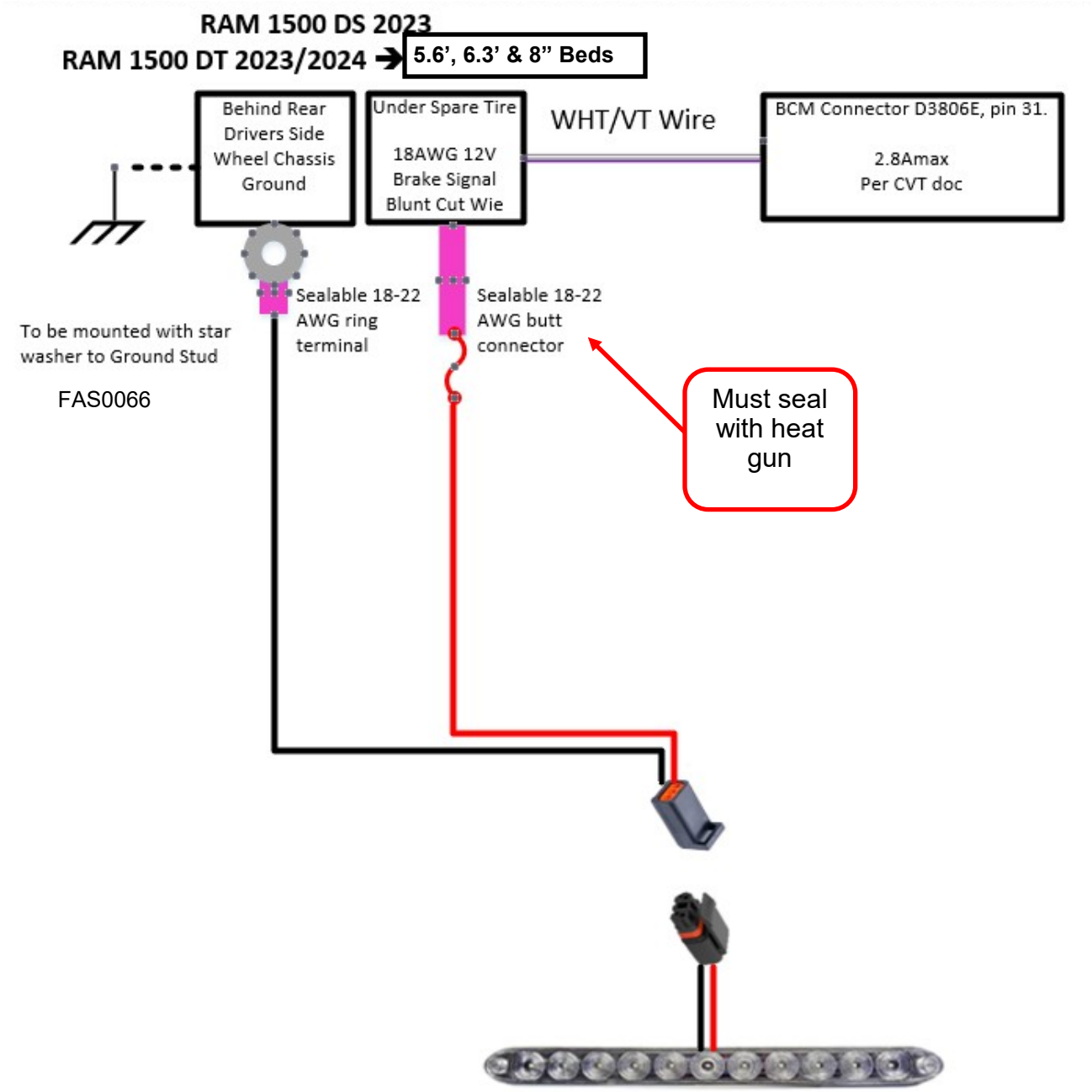




Color	Key - Items
Orange	Power and Ground Location
Blue	Harness Routing
Yellow	Bed Wire Pass Thru



Section 5: General Wiring Diagram:



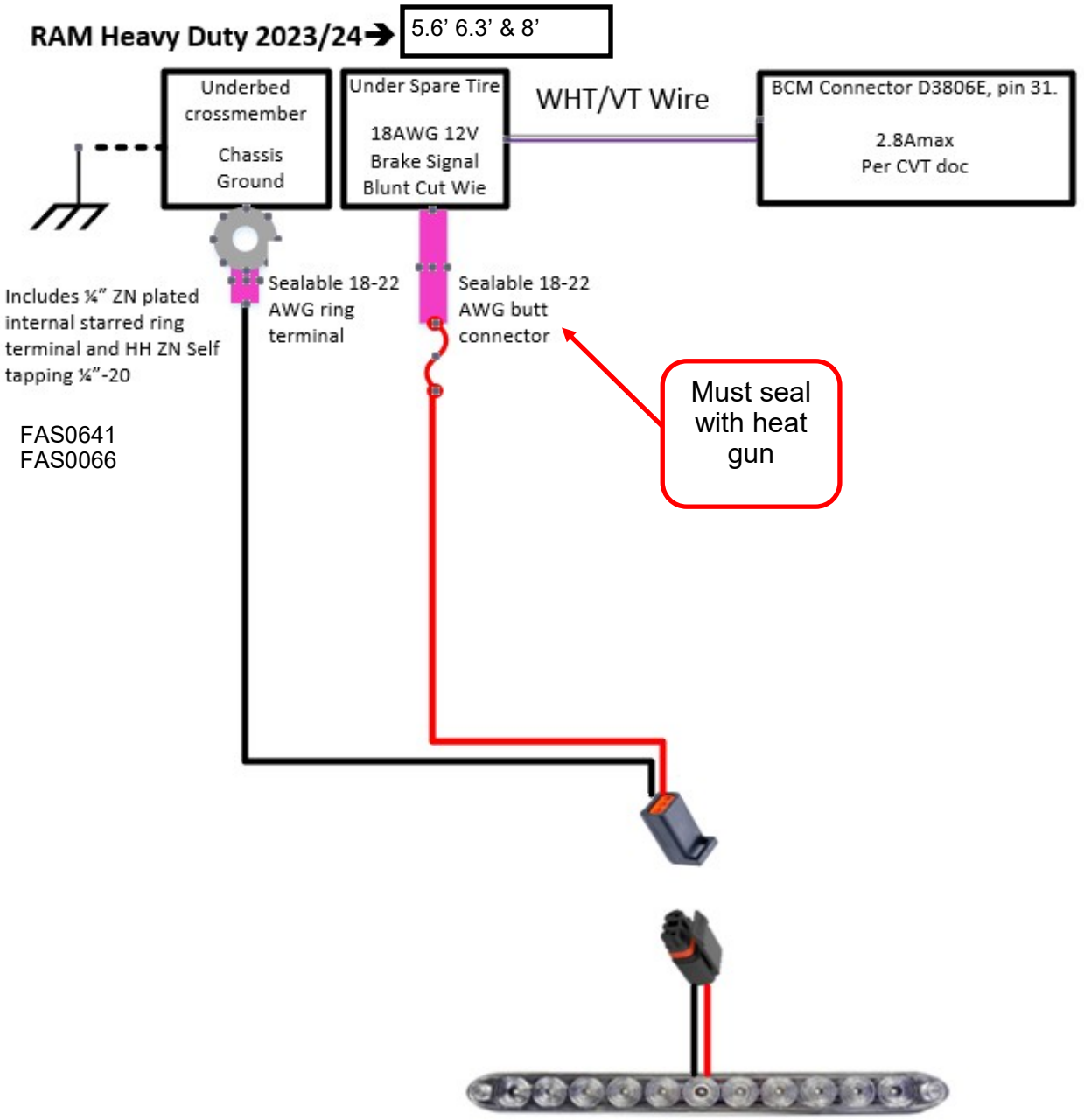
RAM 1500 DS 2023

RAM 1500 DT 2023/2024 ➔ 5.6' 6.3 &8' Beds

White/Violet blunt cut wire located on rear driver side frame

Figure 5-1: Wiring Diagram

Section 5: General Wiring Diagram:



RAM 2500/3500 DS 2023

RAM 2500/3500 DT 2023/2024 ➔ 5.6' 6.3 &8' Beds

White/Violet blunt cut wire located on rear driver side frame

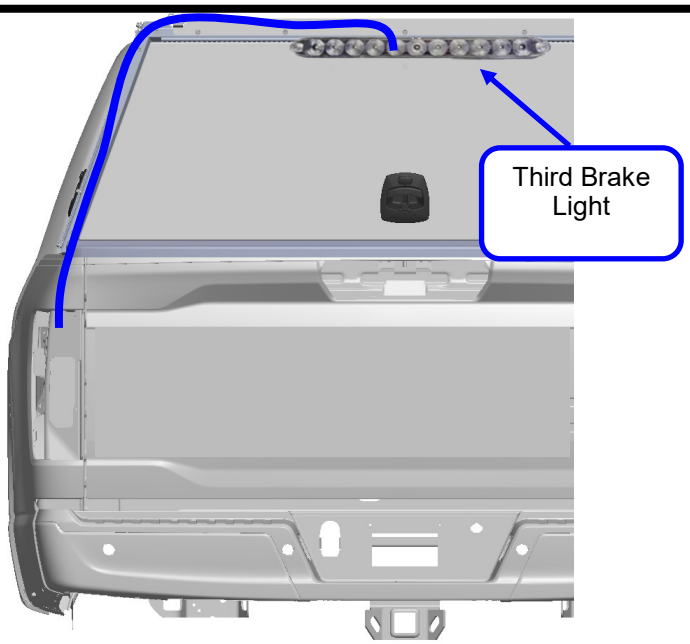
Figure 5-1: Wiring Diagram

Section 6: Vehicle Integration

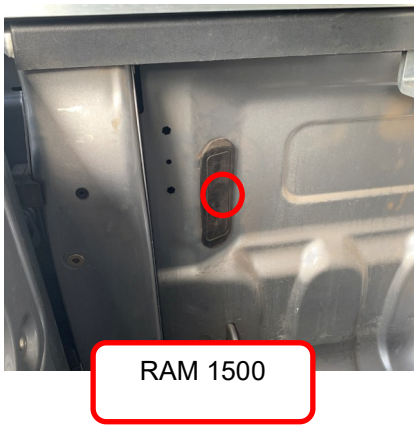


Step 1: Locate the brake light harness 72914.

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



Step 2: Locate the 3rd brake light located in the middle rear of the topper. Plug mating end of brake light harness (72914) into pre-existing connector for the brake light.

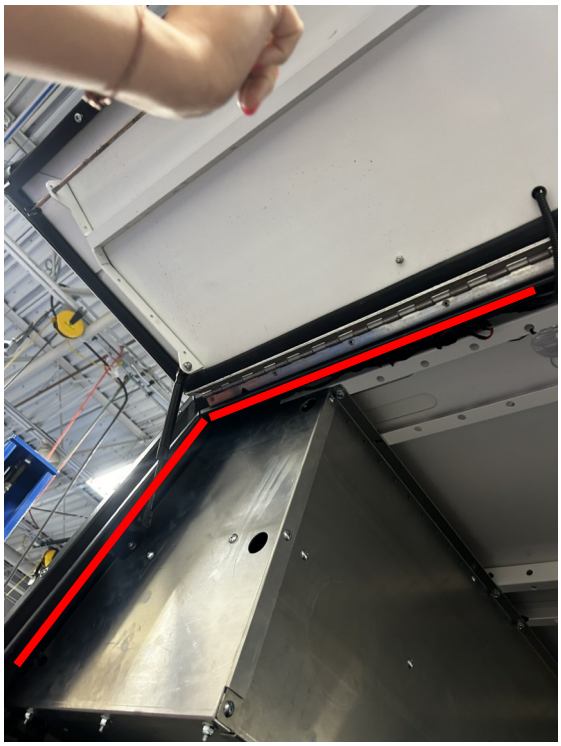




Step 3: Locate OEM grommet cover located in the truck bed wall on the driver side.

Using a drill and a 9/16" drill bit, drill a 9/16" hole in the center of the cover. Use the image to the left as reference. This hole will allow for the harness to be inserted into until. The grommet will then be in place around the harness, in the drilled hole.

The RAM 2500/3500 will route the wiring through the hole indicated in the 2nd image. The grommet on the harness will meet with the opening and fit accordingly. The existing grommet on the harness can be cut off and is not needed. However, be sure to add provided grommet in kit to harness.



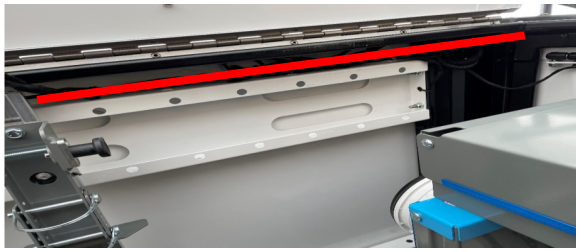
Step 4: Routing (refer to routing diagram at beginning of instructions).
Once connection of the brake light and harness are made, use the push-click-pull method to ensure positive locking of the connector.

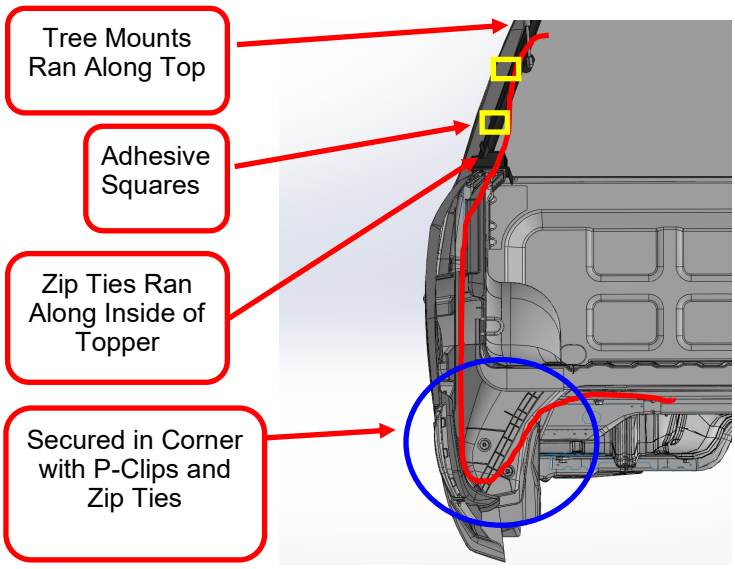
Following the images to the left, begin to route the harness towards the grommet cover.
Continue routing the brake light harness inside the topper. The harness will be roughly routed from the brake light directly towards the driver side door of the topper and routed down as shown in the image.

Be sure to leave extra wire from the brake light to the topper rails before securing. This ensures the wires wont break when the topper door opens and close.

*****IMPORTANT:**
Ensure while securing wiring to avoid all sharp edges. (Shown in image 2, circled in red).





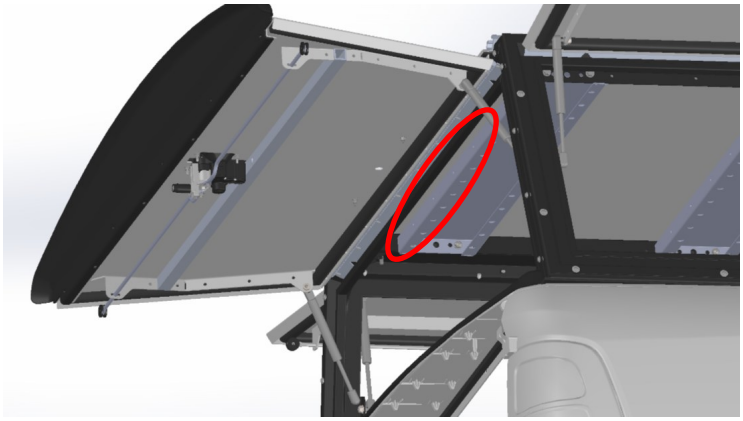


Step 5: Begin to secure the harness using provided zip ties and stud mount zip ties where necessary. Ensure the harness is taut. Once the harness is secured running along the inside of the driver side, drop the harness down the D-pillar of the vehicle, through the grommet cover.

Pull the harness and ensure the grommet on the harness is in proper position with the cover.

The harness down the D-pillar shall be tightened to the rail using p-clips to hold the harness in the corner as it goes towards the bed wire pass through cover.

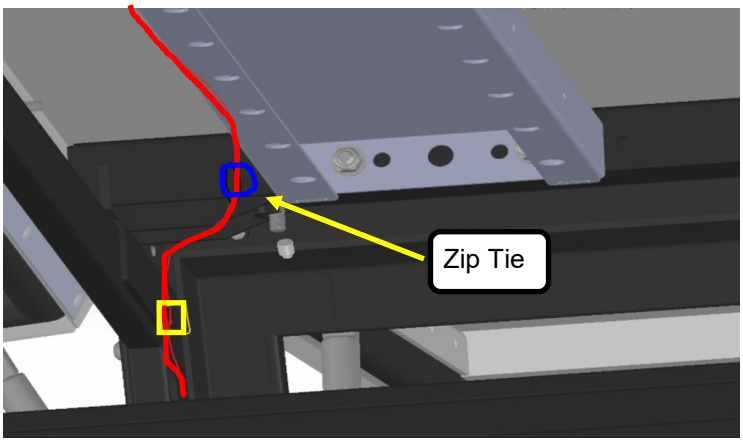
*** Use image as reference only. Drill p-clip into bed crossmember and do not drill into bed floor.



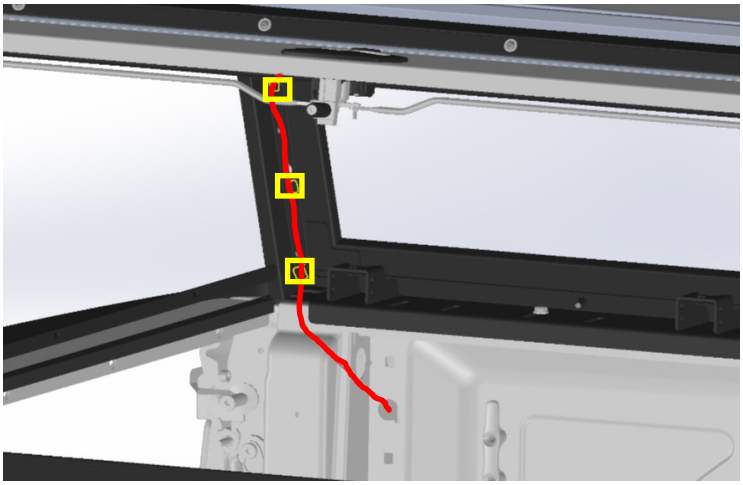
Step 5 Cont. :

***** Note: Routing explained more below.**

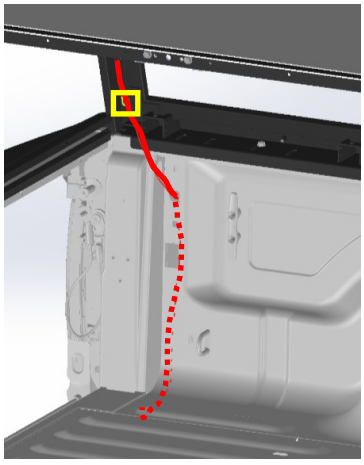
As shown in the first image to the left, route wire harness along first roof bow utilizing tree mounts and zip ties.



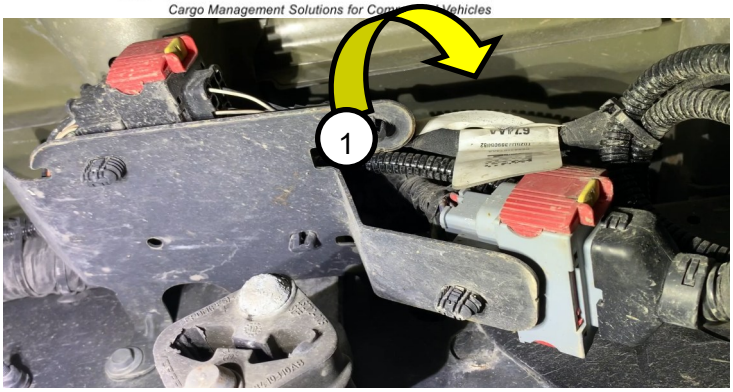
Once harness is secured along first roof bow, locate the first hole running along the driver's side wall, indicated in the 2nd image. Using a zip tie, secure the harness in the first hole. Ensure the harness is avoiding all sharp edges, as well as not too taut to damage the harness.

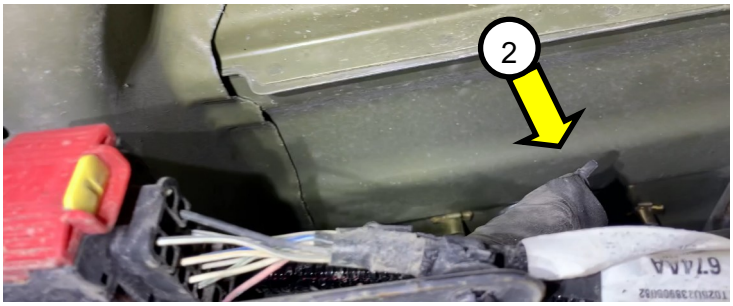


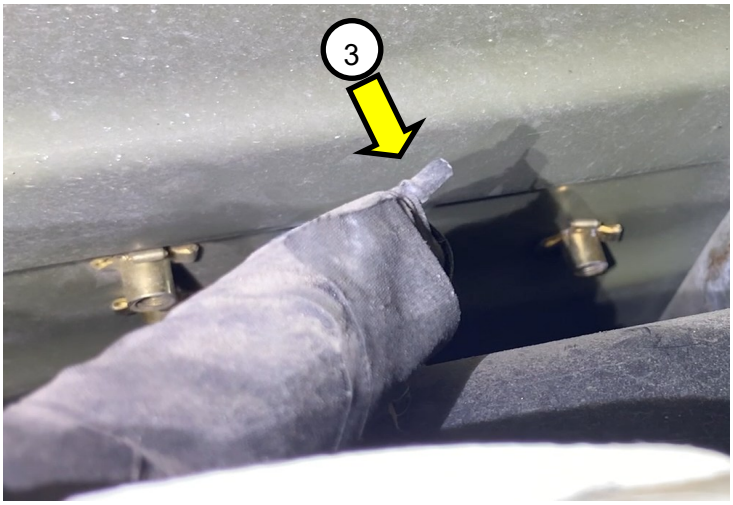
Install stud-mount zip ties along the inside edge of the topper, as shown in the third image. Route the harness along the inside edge and secure it to the stud-mount zip ties.



Lastly, once the harness is entirely secured, route the harness downward through the D-pillar as shown in the last image on the left.







FOLLOW INSTRUCTIONS FOR RAM 1500

Step 6: MOVE TO REAR UNDERSIDE OF VEHICLE.

Locate the brake light harness 72914 that is dropped through the D-pillar and ensure that the fuse from the inline fuse holder is removed until the end of the install.

Step 7:

On the street side, rearward of the vehicle tire is access to the harnessing for the rear electrical. Locate OEM red and gray connector.

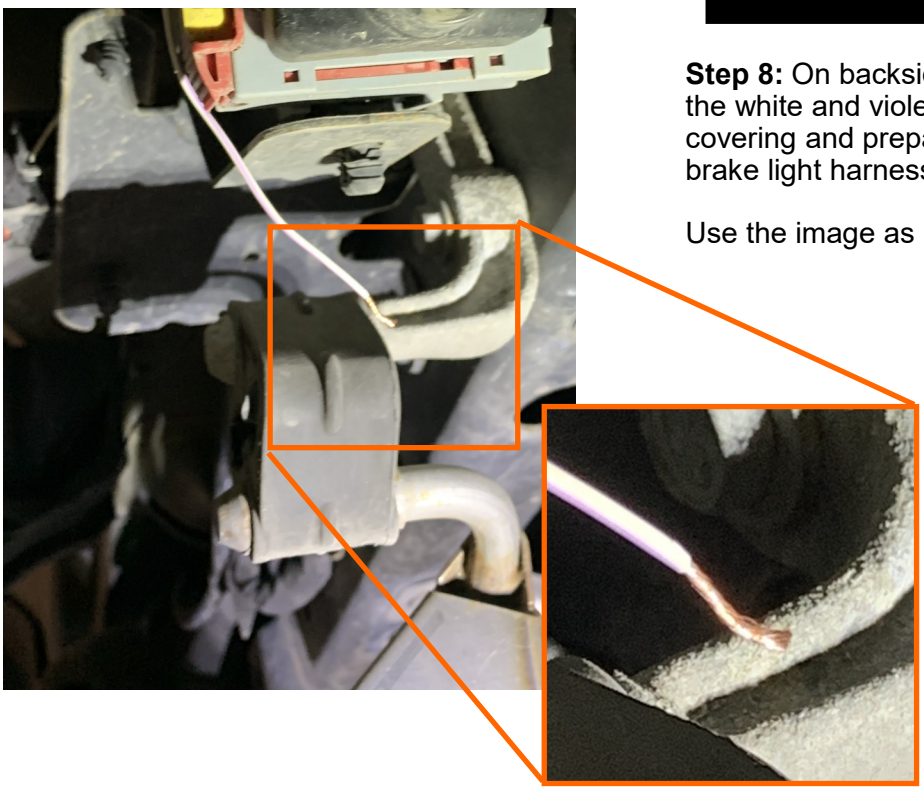
Look around the topside of the harness connections and follow the part of the harness that goes toward the center of the vehicle (towards the curb side) [See yellow arrow 1].

There will be a small tape covered wire separate from the OEM harness. It will have a black covering on the end [See yellow arrow 2].

This is the OEM CHMSL circuit wire for the brake light. Its color is White with a Violet stripe



FOLLOW INSTRUCTIONS FOR RAM 1500



Step 8: On backside of the OEM harness, locate the white and violet wire. Begin to strip the wire covering and prepare it to be connected to the brake light harness.

Use the image as reference.



Step 9: Locate the end of the harness (PN72914) with the ring terminal and butt connector.

Use the butt connector to connect to the OEM CHMSL wire. Use a heat gun to shrink the butt connector once crimped on. **It must be completely sealed.**





FOLLOW INSTRUCTIONS FOR RAM 1500

Step 10:
Along side of the OEM harness, locate the OEM chassis ground located on the frame—forward of the CHMSL connection, but still aft of the street side rear wheel. Shown circled in red in the image to the left.

Using a 10mm socket wrench, firmly secure the ring terminal on the brake light harness to the chassis ground. Be sure to place a 1/4" star tooth washer (FAS0066) in proper position, in front of ring terminal before securing back in place.



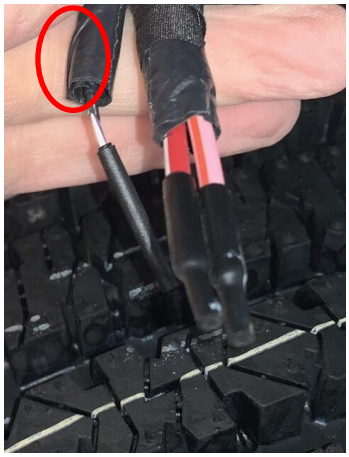


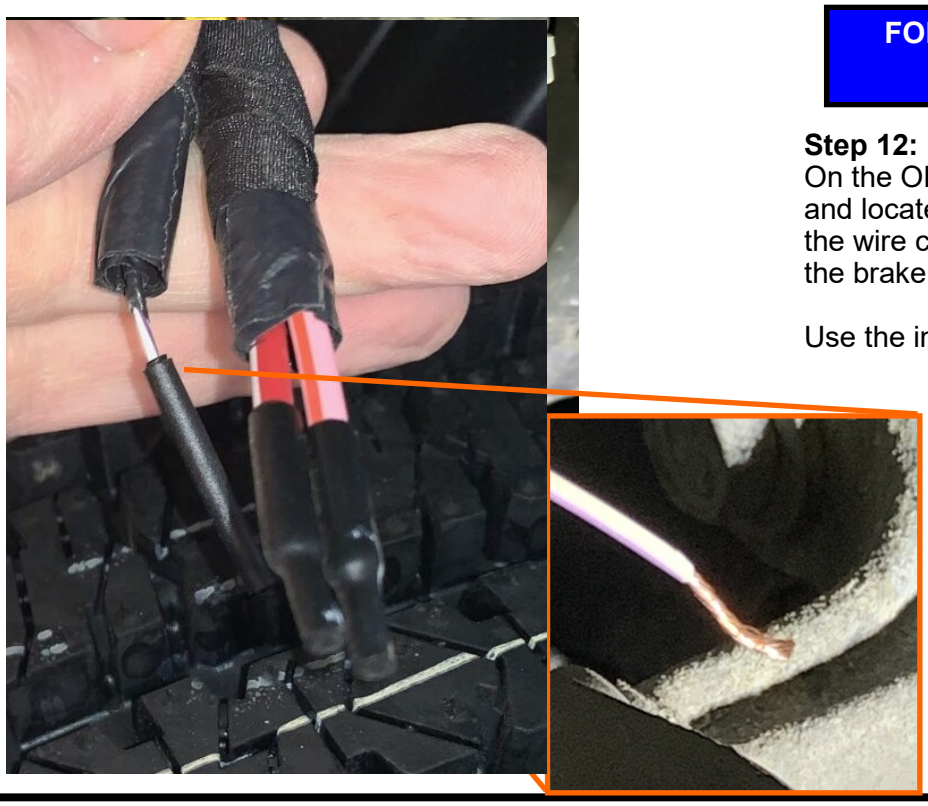
FOLLOW INSTRUCTIONS FOR RAM 2500/3500

Step 11:

Locate the underside of the vehicle. Near the spare tire, closer to passenger side, locate OEM harness shown in the image to the left. Cut white tape wrapped around harness.

Begin to pull OEM harness out from behind truck tire until you can visually see the blunt cut wire end wrapped in black tape.





FOLLOW INSTRUCTIONS FOR RAM 2500/3500

Step 12:
On the OEM harness, remove tape on wire end and locate the white and violet wire. Begin to strip the wire covering and prepare it to be connected to the brake light harness.

Use the image as reference only.



Step 13:

Locate the end of the harness (PN72914) with the ring terminal and butt connector.

Use the butt connector to connect to the OEM CHMSL wire. Use a heat gun to shrink the butt connector once crimped on. **It must be completely sealed.**



Step 14:
Route the other end over the underbody frame rail to the white underbed crossmember. Follow the image as reference.

Using a self tapping screw, begin to screw the other end wire terminal to the vehicle.

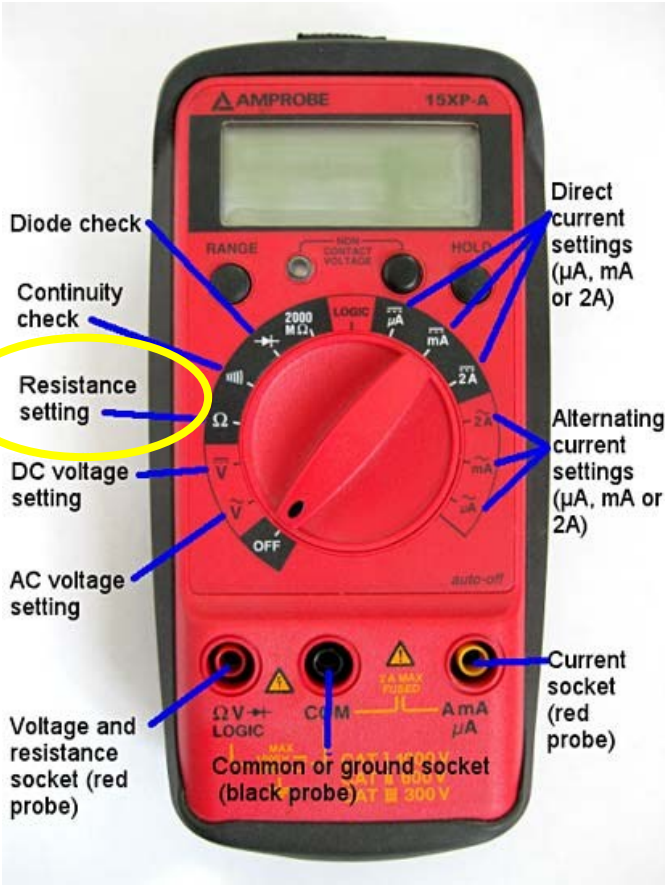
1pc - ¼" HH Self tapper FAS0641
1 pc - ¼"Star tooth Washer Galv. FAS0066



FOLLOW INSTRUCTIONS FOR RAM 2500/3500

TEST AND CHECK GROUND

Once securing ground on vehicle chassis, please use multimeter to ensure there is a good ground connection.

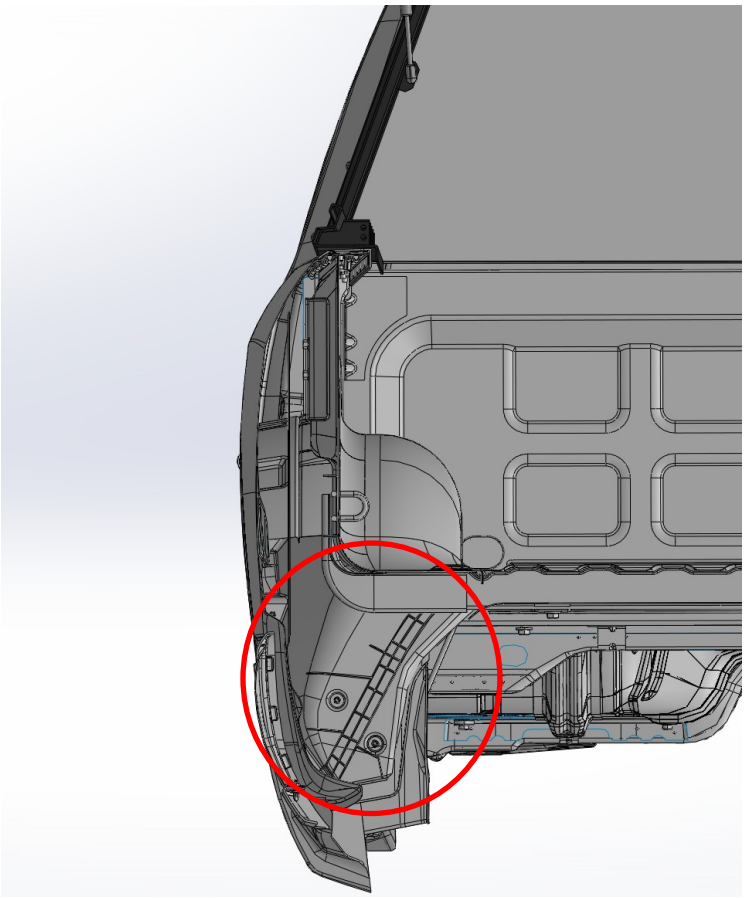


How to check for good ground:

- Put multimeter on "ohms" setting.
RESISTANCE SETTING

- Place one probe on back end of the screw that was drilled into vehicle chassis.
Place other probe on chassis body. This location must be an unpainted surface.

-Depending on the multimeter, if there is a good ground, there will be a beep sound made. Also, the screen should display any numerical amount of resistance, which will verify it is a good ground.



Step 15:

Loop and tie up any extra harness high as possible.

There can be no extra harness beneath the vehicle where snow and ice can pull down. All harness on the bottom of the vehicle should be cable tied in 6-8 " increments along the existing harness in that area.

Be sure to secure the harness using zip ties and p-clips where necessary. Be sure to mount p-clips in a proper location to not damage the vehicle.

If needed, harness can be routed and secured following existing harnesses. Be sure to secure harness directly in the area circled in red.



Step 16:

Place removed fuse back into proper fuse holder position.



Section 7: Test and Check

***** Once the entire install is complete, place fuse back into harness fuse holder. With the vehicle off, press brake pedal. Once brake pedal is pressed, the OEM brake lights as well as 3rd brake light shall light up.**

If the vehicle does not display brake lights when brake pedal is pushed and the vehicle is off, try again while the vehicle is on.

Ensure fuse is placed properly in fuse holder, all connections are correct, and ground has a good connection.

Lastly, ensure all harness is secured inside topper as well as under vehicle.

The install is now complete! ***