



ADRIAN STEEL®

Cargo Management Solutions for Commercial Vehicles

**ALUM. TOPPER, W/ SIDE DOORS,
HINGED REAR DOOR AND E-LOCKS**

PRODUCT WEIGHT

200 LBS

WIDTH X DEPTH X HEIGHT

70" X 23.9" X 74"

CAPACITY

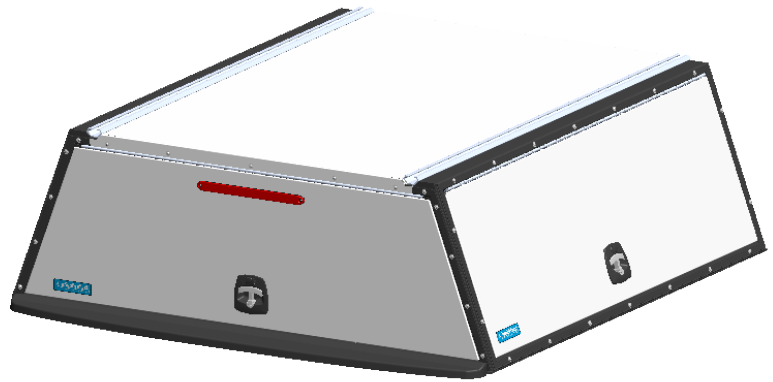
400# ROOF CAPACITY

COLOR

**WHITE PANELS
BLACK TRIM**

CATALOG NUMBER

TFKFDT166HE23W



PRODUCT FEATURES

THIS IS ADRIAN STEEL'S STANDARD ALUMINUM TOPPER FOR 5.5' BED F-150 PICKUPS. PLEASE NOTE THAT THIS IS DESIGNED TO FIT THE 2022 M.Y. PICKUP BED.

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, VEHICLE SPECIFIC TAILGATE COVER AND OEM SPECIFIC 3rd BRAKE LIGHT HARNESS. ALL 3 HANDLES WILL BE KEYED ALIKE. HANDLES HAVE "E-LOCK" CAPABILITY, WHICH MEANS THAT THEY UTILIZE THE OEM KEY-FOB LOCK/UNLOCK BUTTONS.

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,
HINGED REAR DOOR AND E-LOCKS**

CATALOG NUMBER TFKFDT166HE23W

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).**

**WHEN TOOLBOXES ARE PRESENT ON BOTH SIDES,
THE "AISLE" BETWEEN IS APPROX. 31".**

CATALOG NUMBER	DESCRIPTION (smart)
INTERIOR TOOLBOX COMPONENTS	
TTBBK176320	TBOX, BODY KIT, 176320
TTBSDK1720	TBOX, SPL DIV KIT, 1720
TTBSK1731	TBOX, SHELF KIT, 1731
TTBSK1763	TBOX, SHELF KIT, 1763
TTBTDK1720	TBOX, TALL DIV KIT, 1720
INTERIOR TOOLBOX CONFIGURATIONS (REFER TO WEBSITE)	
TTB176320C01	TBOX CONFIG, 01
TTB176320C02	TBOX CONFIG, 02
TTB176320C03	TBOX CONFIG, 03
TTB176320C04	TBOX CONFIG, 04
TTB176320C05	TBOX CONFIG, 05
TTB176320C06	TBOX CONFIG, 06
TTB176320C07	TBOX CONFIG, 07
TTB176320C08	TBOX CONFIG, 08
TTB176320C09	TBOX CONFIG, 09
TTB176320C10	TBOX CONFIG, 10
TTB176320C11	TBOX CONFIG, 11

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**ALUM. TOPPER, W/ SIDE DOORS,
HINGED REAR DOOR AND E-LOCKS****CATALOG NUMBER TFKFDT166HE23W*****LADDER RACK 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
PLSDPSLT4W	PROLIFT,STD,PS,LOW T,4,W
PLSDDSLT4W	PROLIFT,STD,DS,LOW T,4,W
PLMDPSLT4W	PROLIFT,MAX,PS,LOW T,4,W
PLMDDSLT4W	PROLIFT,MAX,DS,LOW T,4,W
PLMDPSMT4W	PROLIFT,MAX,PS,MID T,4,W
PLMDDSM4W	PROLIFT,MAX,DS,MID T,4,W
GL-TOPPS	GRIP LOCK, TOPPER, PS
GL-TOPDS	GRIP LOCK, TOPPER, DS
LADDER RACK KITS	
PLS61LT4	PROLIFT SGL STD DR 4' TOP
PLS63LT4	PROLIFT DBL STD DR 4' TOP
PLS64LT4	PROLIFT CMB STD DR 4' TOP
PLS65LT4	PROLIFT-UT CMB SDR 4' TOP
GL61LT4	SGL GL,4'10"-6'1" TOP
GL63LT4	DUAL GL,4'10"-6'1" TOP
2B6TOPW	2-BAR UTY RK TOP 6" UPRT
PLM61LT4	PROLFT SGL SIDE MAX 4'
PLM63LT4	PROLFT DUAL SIDE MAX 4'

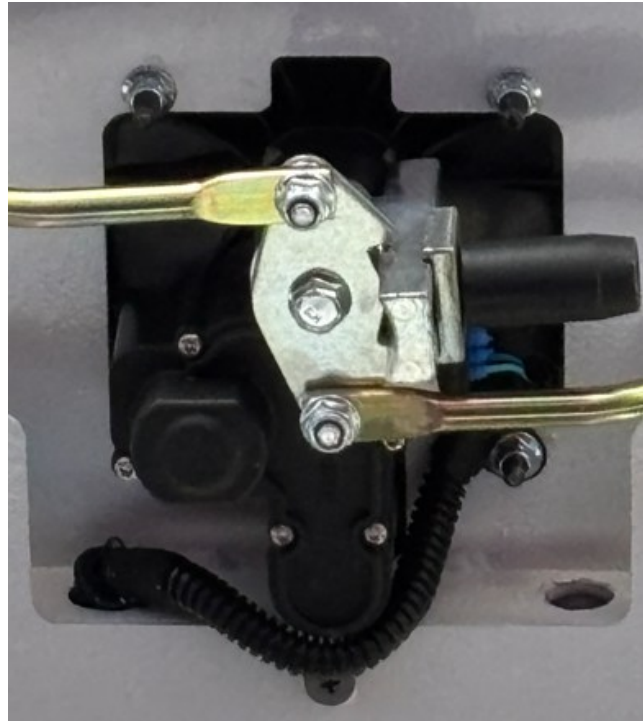
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**ALUM. TOPPER, W/ SIDE DOORS,
HINGED REAR DOOR AND E-LOCKS****CATALOG NUMBER TFKFDT166HE23W****LIGHTING ACCESSORIES THAT WILL WORK WITH THIS PRODUCT**

CATALOG NUMBER	DESCRIPTION (smart)
LIGHITNG KITS	
72548	COMPLETE PLUG & PLAY LIGHTING KIT: 2 DOME, 3 STRIP
72607	COMPLETE PLUG & PLAY KIT: 3 STRIP LIGHTS
72604	PLUG & PLAY STRIP LIGHT KIT: 1 REAR DOOR
72606	PLUG & PLAY STRIP LIGHT KIT: 1 DRIVER DOOR
72605	PLUG & PLAY STRIP LIGHT KIT: 1 PASSENGER DOOR

CATALOG NUMBER

TELH04



Vehicle Model	Bed Length	Cab Size	Battery Location	Compatible Topper
Chevy Colorado	5	Crew	Passenger	Hatch / Barn
Ford F150	5.5	Crew	Passenger	Hatch / Barn
Ford Lightning	5.5	Crew	Passenger	Hatch / Barn
Nissan Frontier	5	Crew	Passenger	Hatch / Barn

PRODUCT FEATURES

Adrian Cap Electronic Lock Kit for the Hatch Topper vehicles listed above.

- **This is a complete kit for installing electronic locks on all three Adrian Cap doors**
- **This kit uses Posi-Taps to pull the OEM latch signals — no soldering necessary**
- **This kit can be used in combination with Topper Interior Lighting without interference**

Introduction / Comments:

Install Instructions For Adrian Cap Electronic Lock Kits For MY25 Vehicles

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.

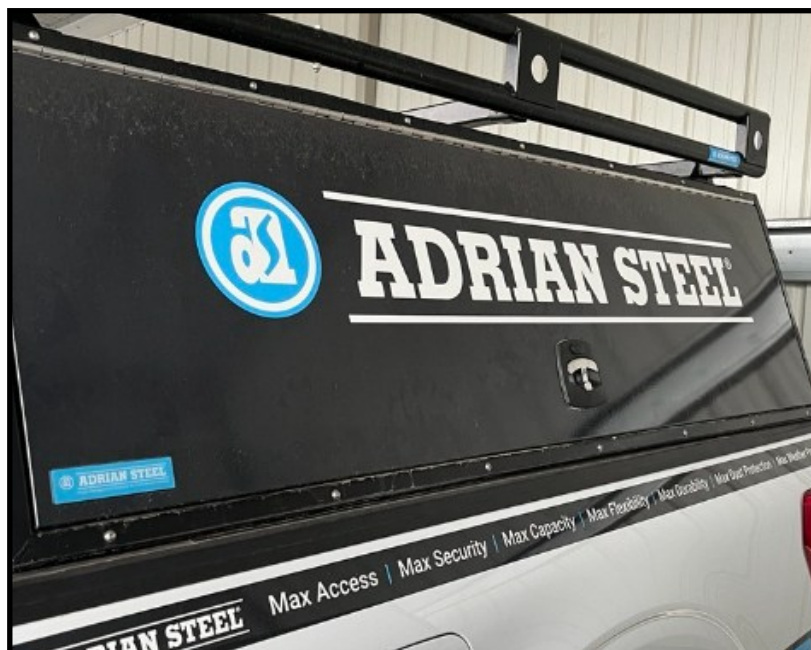
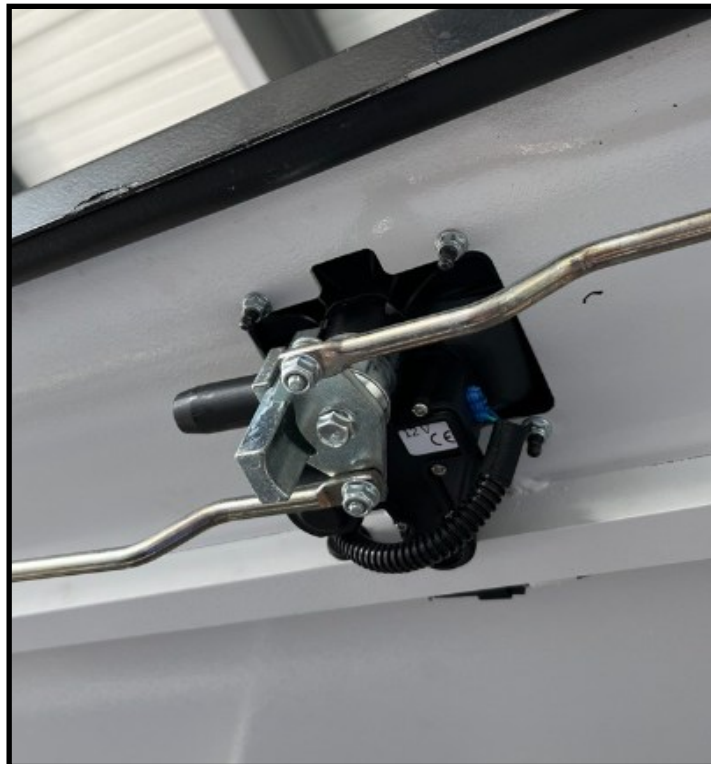


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Introduction Statement

****Please read statement below before moving forward****

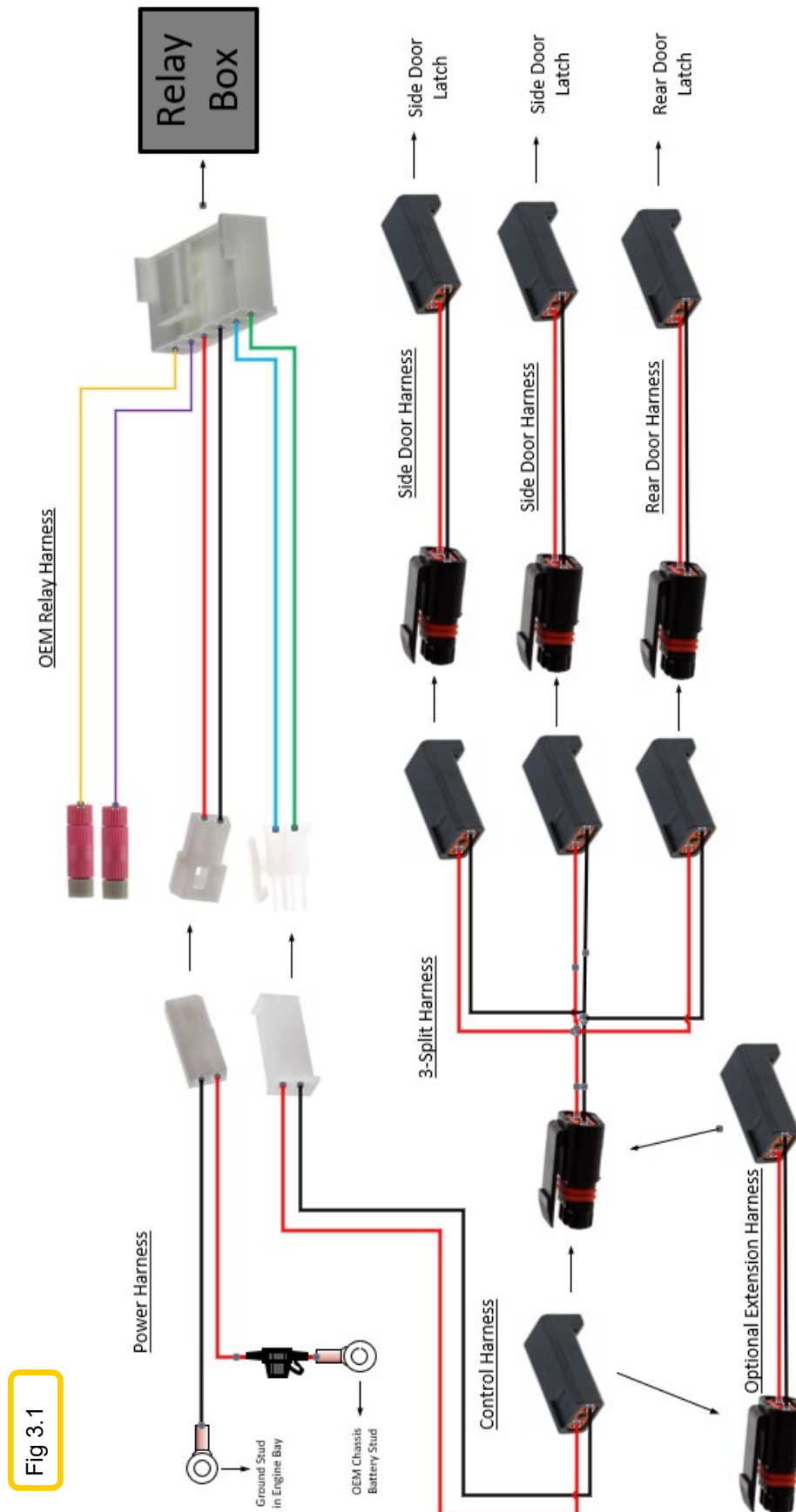
Before installation, disconnect the OEM negative battery cable.

The TELH/B kits are divided by battery location in engine compartment, cab size, and bed length. The harnesses and routing is similar for all vehicles except for the lengths. These instructions are for the most standard configurations, and reference only. Please reference the vehicle being upfit and the spec sheet to confirm you have the correct kit.

These installation instructions are for most cases and for reference. Install instructions depend on the vehicle model and options. Please follow the labels to determine how to route each harness.

Chevy Silverado platforms are mirrored to the rest of the platforms, meaning the battery harness runs from the passenger side of the engine bay to the driver side foot well, the control harness is routed underneath the driver side, and the topper 3-split harness splits in the front driver side corner instead of the passenger side corner.

Overall Harness Diagram



Tools required



- 8mm, 10mm, 11mm, and 13mm sockets
- T20 Torx bit
- Phillips 2 bit
- 1" step drill bit or hole saw
- 5/8" drill bit
- Power Drill
- Impact Driver
- Torque wrench
- Fish tape
- Pick or Small Flat Head Screw Driver
- Deburring tool

*****TORQUE*****

Torque E-Lock fasteners to 2.2 Nm.

DO NOT OVER TIGHTEN

Adrian Cap Electronic Lock Kit / Vehicle Chart - Hatch

NOTE: Silverado ICE and Hybrid is routed mirrored to the rest of the vehicles

Kit	Vehicle Model	Bed Length	Cab Size	Battery Location
TELH01	Ford Maverick	4.5	Crew	Driver
	Ford Ranger	5	Crew	Driver
	RAM 1500 (MY25+)	5.6 (67")	Crew	Driver
	Silverado 1500	5.75	Crew	Passenger
TELH02	RAM 1500 (MY25+)	6.3	Crew	Driver
	RAM HD (MY25+)	6.3	Crew	Driver
	Silverado 1500	6.5	Crew	Passenger
	Silverado HD	6.75	Crew	Passenger
TELH03	RAM 1500 (MY25+)	8	Crew	Driver
	RAM HD (MY25+)	8	Crew	Driver
	Silverado HD	8	Crew	Passenger
TELH04	Chevy Colorado	5	Crew	Passenger
	Ford F150	5.5	Crew	Passenger
	Ford Lightning	5.5	Crew	Passenger
	Nissan Frontier	5	Crew	Passenger
TELH05	Ford F150	6.5	Crew	Passenger
	Ford SD	6.75	Crew	Passenger
	Nissan Frontier	6	Crew	Passenger
	Silverado EV	5.9 (71")	Crew	Passenger
TELH06	Ford SD	8	Crew	Passenger
TELH07	Silverado 1500	6.5	Regular	Passenger
TELH08	RAM HD (MY 25+)	8	Regular	Driver
	Silverado 1500	8	Regular	Passenger
	Silverado HD	8	Regular	Passenger
TELH09	Ford F150	6.5	Regular	Passenger
TELH10	Ford F150	8	Regular	Passenger
	Ford SD	8	Regular	Passenger

Adrian Cap Electronic Lock Kit / Vehicle Chart - Barn Door

NOTE: Silverado ICE and Hybrid is routed mirrored to the rest of the vehicles

Kit	Vehicle Model	Bed Length	Cab Size	Battery Location
TELB01	Ford Maverick	4.5	Crew	Driver
	Ford Ranger	5	Crew	Driver
	RAM 1500 (MY25+)	5.6 (67")	Crew	Driver
TELB02	RAM 1500 (MY25+)	6.3	Crew	Driver
	RAM HD (MY25+)	6.3	Crew	Driver
TELB03	RAM 1500 (MY25+)	8	Crew	Driver
	RAM HD (MY25+)	8	Crew	Driver
TELB04	Chevy Colorado	5	Crew	Passenger
	Ford F150	5.5	Crew	Passenger
	Ford Lightning	5.5	Crew	Passenger
	Nissan Frontier	5	Crew	Passenger
TELB05	Ford F150	6.5	Crew	Passenger
	Ford SD	6.75	Crew	Passenger
	Nissan Frontier	6	Crew	Passenger
	Silverado EV	5.9 (71")	Crew	Passenger
TELB06	Ford SD	8	Crew	Passenger
TELB07	Silverado 1500	6.5	Regular	Passenger
TELB08	RAM HD (MY 25+)	8	Regular	Driver
TELB09	Ford F150	6.5	Regular	Passenger
TELB10	Ford F150	8	Regular	Passenger
	Ford SD	8	Regular	Passenger
TELB11	Silverado 1500	5.75	Crew	Passenger
TELB12	Silverado 1500	6.5	Crew	Passenger
	Silverado HD	6.75	Crew	Passenger
TELB13	Silverado HD	8	Crew	Passenger
TELB14	Silverado 1500	8	Regular	Passenger
	Silverado HD	8	Regular	Passenger

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Adrian Cap Electronic Lock Kit / Vehicle Chart - Barn Door

NOTE: Silverado ICE and Hybrid is routed mirrored to the rest of the vehicles

Kit	Vehicle Model	Bed Length	Cab Size	Battery Location
TELB01	Ford Maverick	4.5	Crew	Driver
TELB04	Ford F150	5.5	Crew	Passenger
TELB05	Ford F150	6.5	Crew	Passenger
TELB07	Silverado 1500	6.5	Regular	Passenger
TELB09	Ford F150	6.5	Regular	Passenger
TELB10	Ford F150	8	Regular	Passenger
TELB11	Silverado 1500	5.75	Crew	Passenger
TELB12	Silverado 1500	6.5	Crew	Passenger
TELB14	Silverado 1500	8	Regular	Passenger

TELH Kit Harnesses

Kit	74342	74343	74344	74345	74346	74347	74348	74340 x3	74341	74349 x2	74350	74533
TELH01	X		X				X	X	X	X	X	X
TELH02	X		X			X		X	X	X	X	X
TELH03	X		X		X			X	X	X	X	X
TELH04		X	X				X	X	X	X	X	X
TELH05		X	X			X		X	X	X	X	X
TELH06		X	X		X			X	X	X	X	X
TELH07	X			X		X		X	X	X	X	X
TELH08	X			X	X			X	X	X	X	X
TELH09		X		X		X		X	X	X	X	X
TELH10		X		X	X			X	X	X	X	X

TELB Kit Harnesses

Kit	74340 x3	74341	74342	74343	74344	74345	74346	74347	74348	74349 x2	74350	74533	77195
TELB01	X	X	X		X				X	X	X	X	
TELB02	X	X	X		X			X		X	X	X	
TELB03	X	X	X		X		X			X	X	X	
TELB04	X	X		X	X				X	X	X	X	
TELB05	X	X		X	X			X		X	X	X	
TELB06	X	X		X	X		X			X	X	X	
TELB07	X	X	X			X		X		X	X	X	X
TELB08	X	X	X			X	X			X	X	X	
TELB09	X	X		X		X		X		X	X	X	
TELB10	X	X		X		X	X			X	X	X	
TELB11	X	X	X		X				X	X	X	X	X
TELB12	X	X	X		X			X		X	X	X	X
TELB13	X	X	X		X		X			X	X	X	X
TELB14	X	X	X			X	X			X	X	X	X

Components



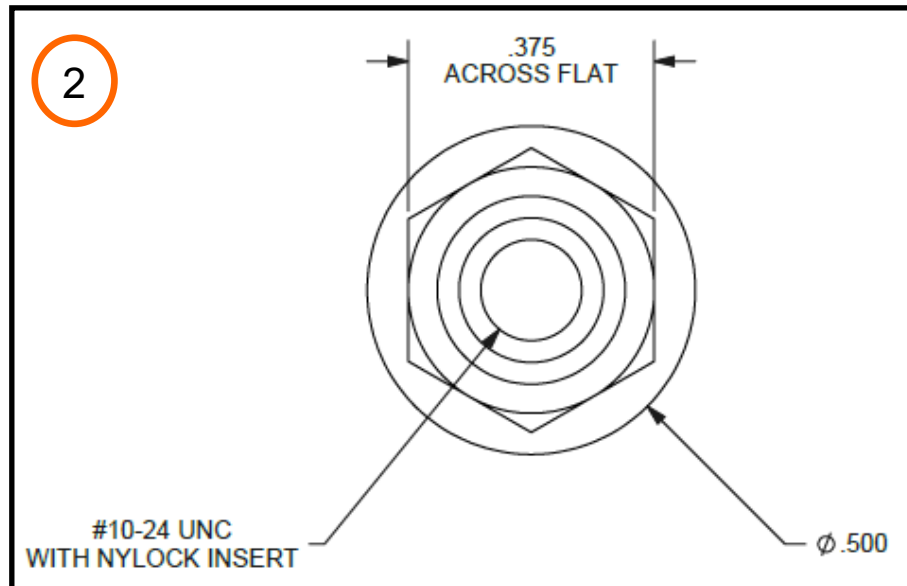
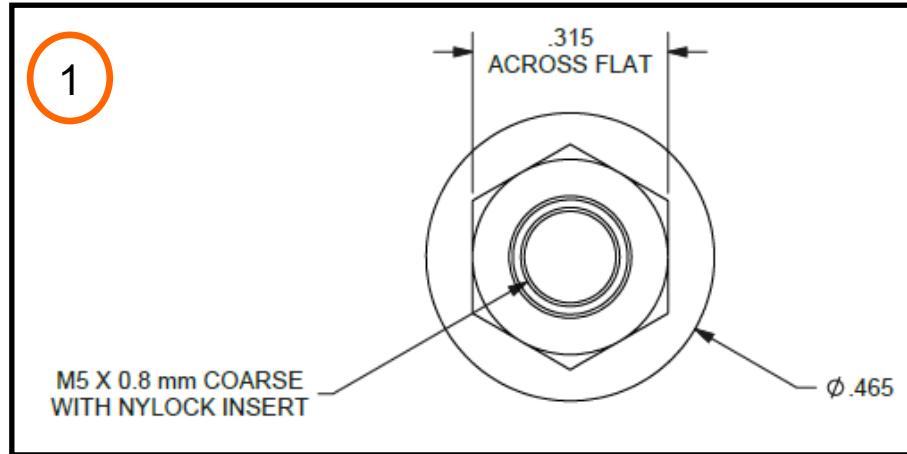
	Part #	Description
1	74340	ALLEGIS T-HANDLE E-LATCH
2	74341	E-LATCH OEM RELAY HARNESS
3	74342	E-LOCK PWR - DRIVER HARN
4	74343	E-LOCK PWR - PASS HARN
5	74344	E-LOCK CONTROL-CREW HARN
6	74345	E-LOCK CONTROL-REG HARN
7	74346	E-LOCK TPR 3SPLT 8' HARN
8	74347	E-LOCK TPR 3SPLT 6.75'
9	74348	E-LOCK TPR 3SPLT 5.75'
10	74349	E-LOCK TPR SIDE DOR HARN
11	74350	E-LOCK TPR REAR DOR HARN
12	74533	DUAL SPDT RELAY MODULE
13	80768	ROLL UP DOOR E-LOCK HARN

Harness pictures are for reference only.

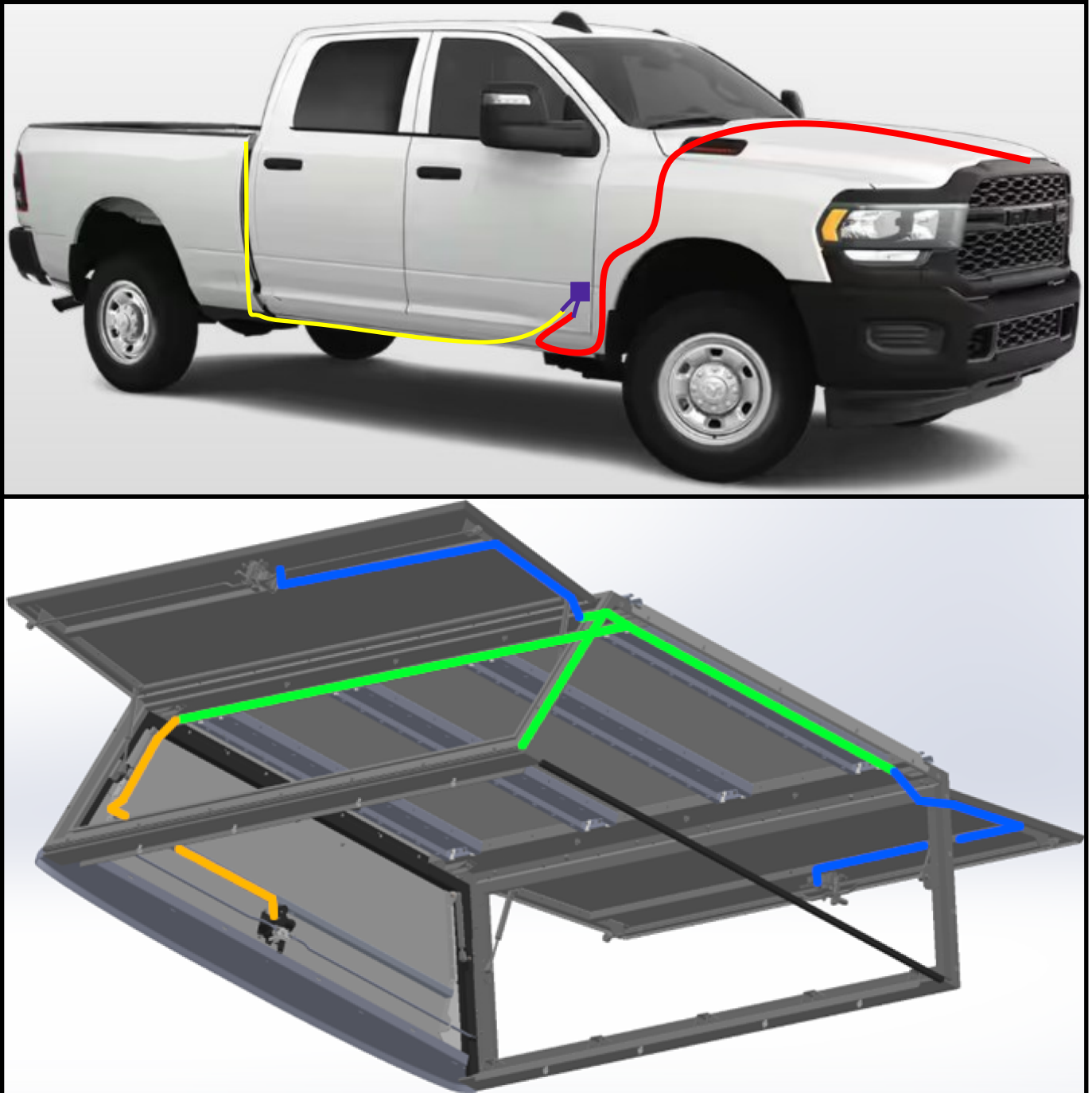
Please reference the vehicle being upfit and pg. 4 to confirm which components are required for the install.

Fastener Bag Parts

QTY	Part #	Description
12	FAS0917	NUT,HEX NLK FLG M5 X 0.8 ZP
6	FAS0918	NUT,HEX NLK FLG 10-24 ZP
1	26618-0	Silicone Sealant



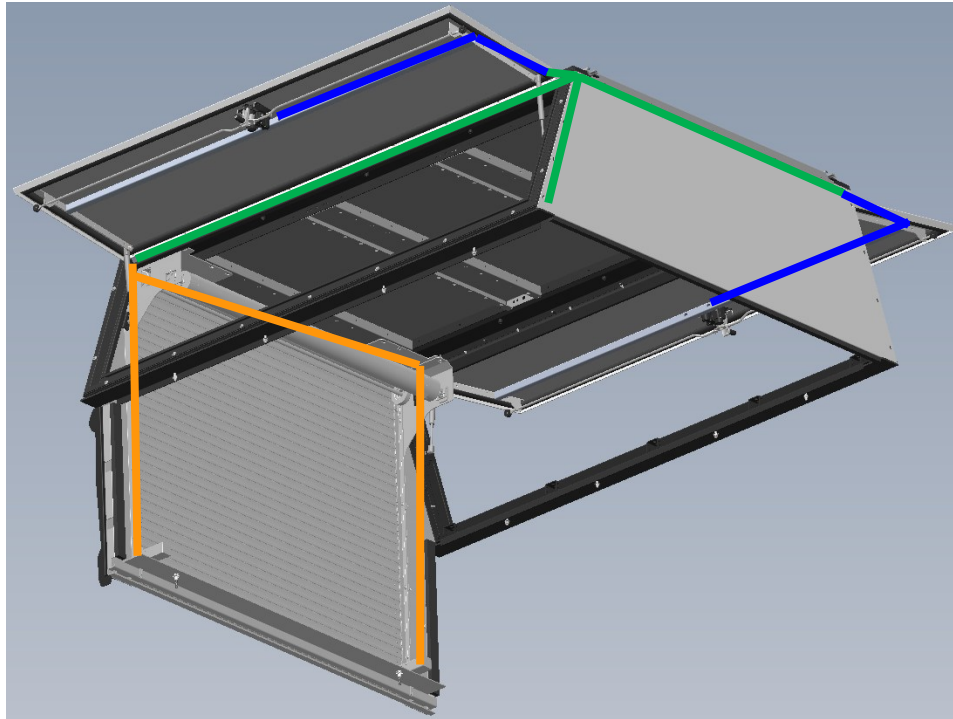
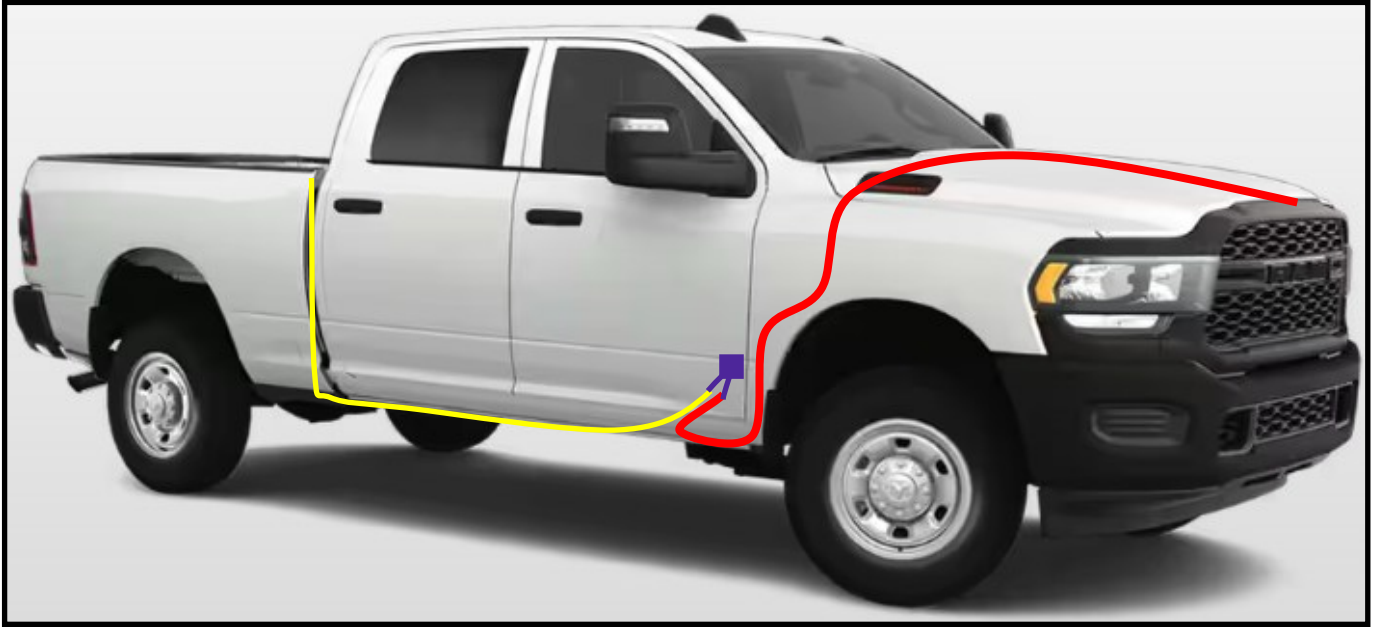
Routing Overview



2024 RAM 2500 with Crew Cab and 6.75' Bed shown. All installs route along the same path except for Silverado ICE and Hybrid which is mirrored.

RED	74342 E-LOCK PWR - DRIVER HARN (Driver Side Position Shown)
PURPLE	74341 E-LATCH OEM RELAY HARNESS (located in the front passenger foot well)
YELLOW	74344 E-LOCK CONTROL-CREW HARN
GREEN	74347 E-LOCK TPPR 3SPLT 6.75'
BLUE	74349 E-LOCK TPPR SIDE DOR HARN
ORANGE	74350 E-LOCK TPPR REAR DOR HARN

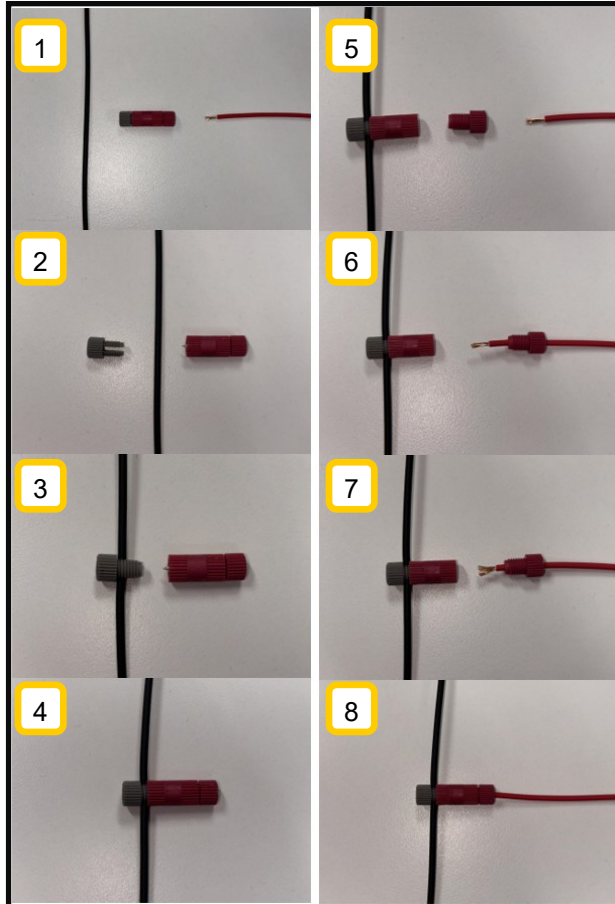
Routing Overview Roll-up Door Topper ONLY



- | | |
|---------------|--|
| RED | 74342 E-LOCK PWR - DRIVER HARN (Driver Side Position Shown) |
| PURPLE | 74341 E-LATCH OEM RELAY HARNESS (located in the front passenger foot well) |
| YELLOW | 74344 E-LOCK CONTROL-CREW HARN |
| GREEN | 74347 E-LOCK TPPR 3SPLT 6.75' |
| BLUE | 74349 E-LOCK TPPR SIDE DOOR HARN |
| ORANGE | 80768 E-LOCK ROLL-UP DOOR REAR HARN |

Platform Specific Posi-Tap Installation Instructions

REMOVE BATTERY NEGATIVE CONNECTION before unplugging connectors from the BCM. Failure to do so may cause error codes to be thrown on the dash that will require an OBD2 tool to clear.



Posi-tap Install instructions:

Remove the gray cap on the Posi-Tap

Push the OEM signal wire into the slot on the gray cap.

Twist the Posi-Tap onto the gray cap with the OEM wire secured in between the two.

The pin point on the Posi-Tap will puncture the OEM wire and obtain the signal.

Remove the red cap on the Posi-Tap and place over the tapping wire with the threads facing towards the end of the wire.

Spread out the copper strands of the tapping wire into a cone-like shape, and insert the strands into the Posi-Tap

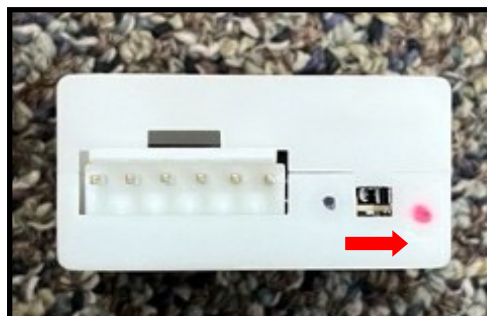
Twist the cap back onto the Posi-Tap with the tapping wire secured. Be sure of secure connection.

Note:

In the case all 3 E-Locks are triggering opposite of the OEM locks, start troubleshooting by swapping the tapping wires on the two Posi-Taps and test again.

Relay Module:

Make sure the toggle switch on the relay module is in the position away from the 6 pin connector.



Platform Specific Posi-Tap Installation Instructions

Ford F-150 & Superduty

1. Ensure the battery negative is disconnected before removing any connectors from the BCM.
2. In the front passenger footwell, remove the kick plate and other trim panels around the BCM under the dash.
3. Locate BCM connector C2280C (J3) and disconnect it from the BCM. (Fig 12.1 & 12.2)
4. CAREFULLY cut away the tape wrapped around the OEM wires. (Fig 12.3)
5. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 12.4)

F150

74341 Yellow -> OEM Yellow / Grey Stripe

74341 Purple -> OEM Gray / Brown Stripe

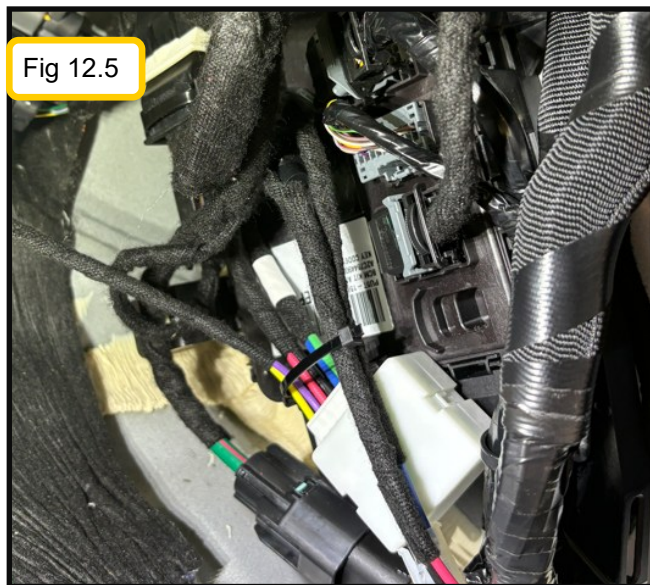
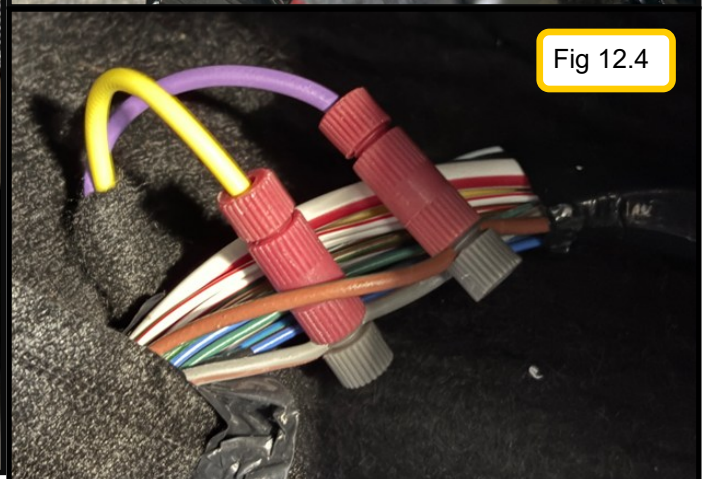
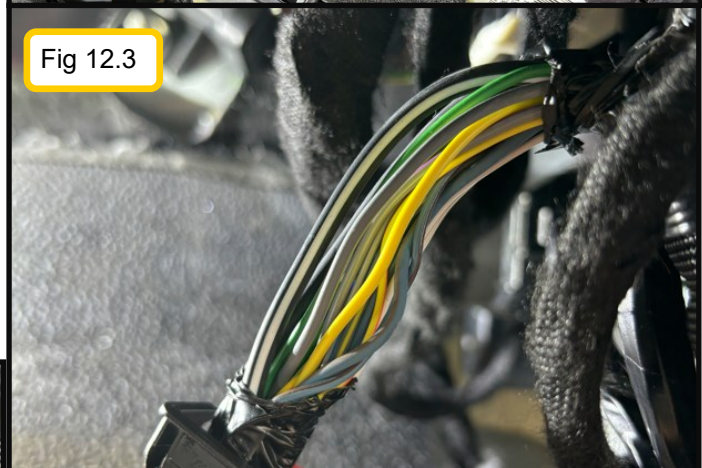
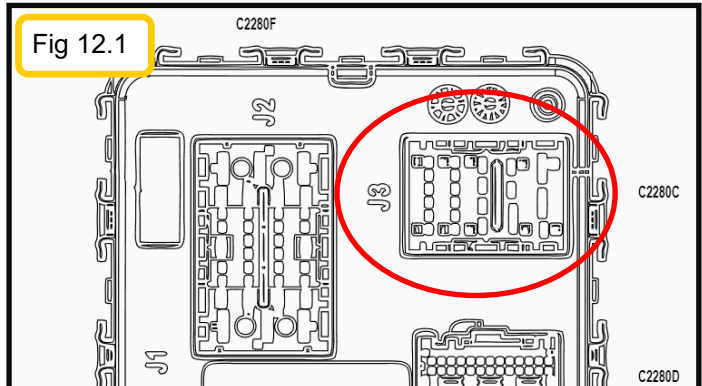
Superduty (F250+)

74341 Yellow -> OEM Yellow

74341 Purple -> OEM Gray

6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM and plug the connector back into the BCM.
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.
8. Secure the harness and relay module to the OEM harnesses. (Fig 12.5)

NOTE: The photos on this page may not reflect the accurate wire colors. Follow the colors listed above.



Platform Specific Posi-Tap Installation Instructions

Ford Lightning

1. Ensure the battery negative is disconnected before removing any connectors from the BCM.
2. In the front passenger footwell, remove the kick plate and other trim panels around the BCM under the dash.
3. Locate BCM connector C2280C and disconnect it from the BCM. (Fig 13.1)
4. CAREFULLY cut away the tape wrapped around the OEM wires. (Fig 13.2)
5. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 13.3)

Lightning

74341 Yellow -> OEM Brown / Green Stripe

74341 Purple -> OEM Gray / Brown Stripe

6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM and plug the connector back into the BCM.
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.
8. Secure the harness and relay module to the OEM harnesses.

NOTE: The photos on this page may not reflect the accurate wire colors. Follow the colors listed above.



Platform Specific Posi-Tap Installation Instructions

Ford Maverick

1. Ensure the battery negative is disconnected before removing any connectors from the BCM.
2. In the front passenger footwell, remove the kick plate and other trim panels around the BCM under the dash.
3. Locate BCM connector C2280F and disconnect it from the BCM. (Fig 14.1)
4. CAREFULLY cut away the tape wrapped around the OEM wires.
5. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 14.2)

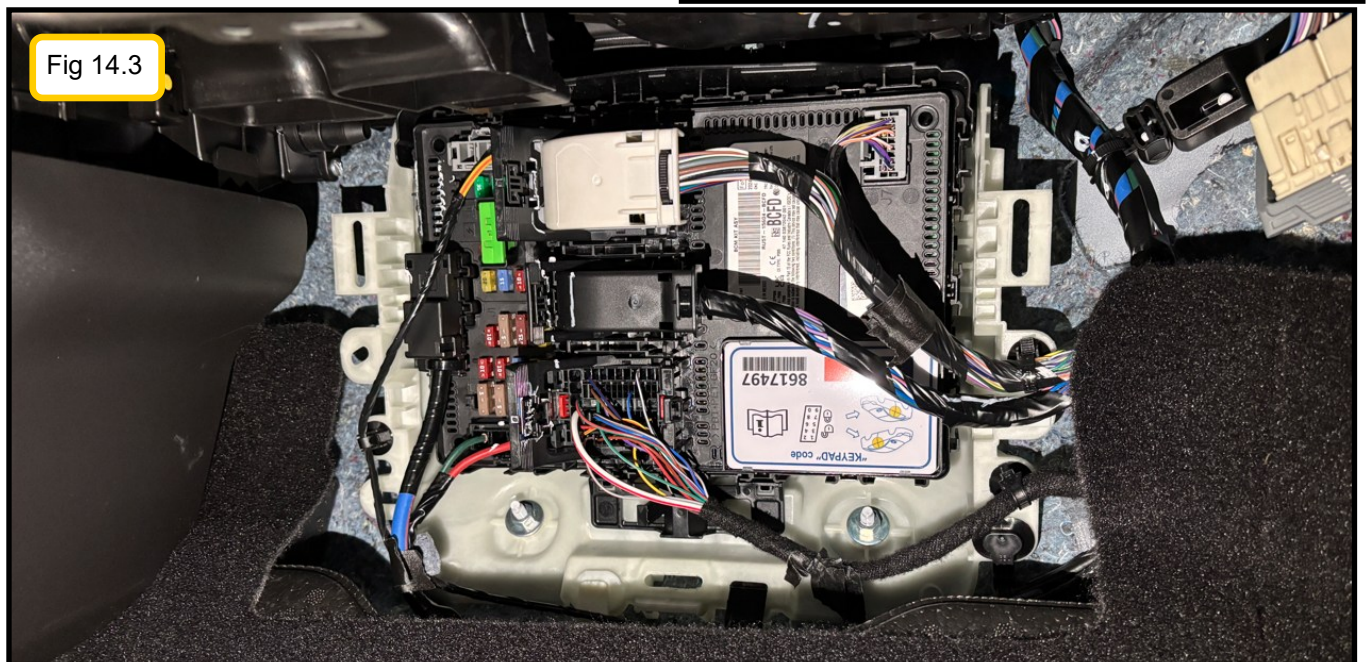
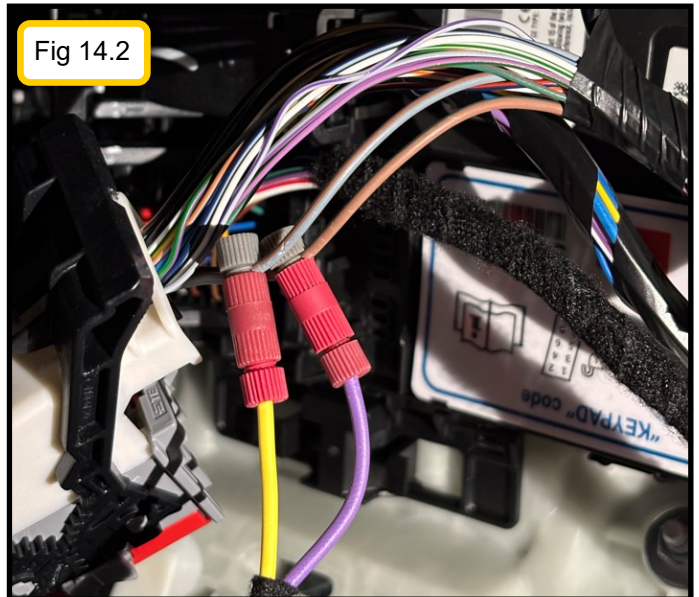


Maverick ICE & Hybrid

74341 Yellow -> OEM Brown / Green Stripe

74341 Purple -> OEM Gray / Brown Stripe

6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM and plug the connector back into the BCM.
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.
8. Secure the harness and relay module to the OEM harnesses.



Platform Specific Posi-Tap Installation Instructions

Ford Ranger

1. Ensure the battery negative is disconnected before removing any connectors from the BCM.
2. In the front passenger footwell, remove the kick plate and other trim panels.
3. Locate the fabric tape wrapped harness coming from the black connector that passes through the vehicle wall into the door. (fig 15.2)
4. CAREFULLY cut away the tape wrapped around the OEM wires. (Fig 15.3)
5. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 15.4)

Ranger

74341 Yellow -> OEM Brown / Green Stripe

74341 Purple -> OEM Gray / Brown Stripe

6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM and plug the connector back into the BCM.
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.
8. Secure the harness and relay module to the OEM harnesses.

NOTE: The photos on this page may not reflect the accurate wire colors. Follow the colors listed above.

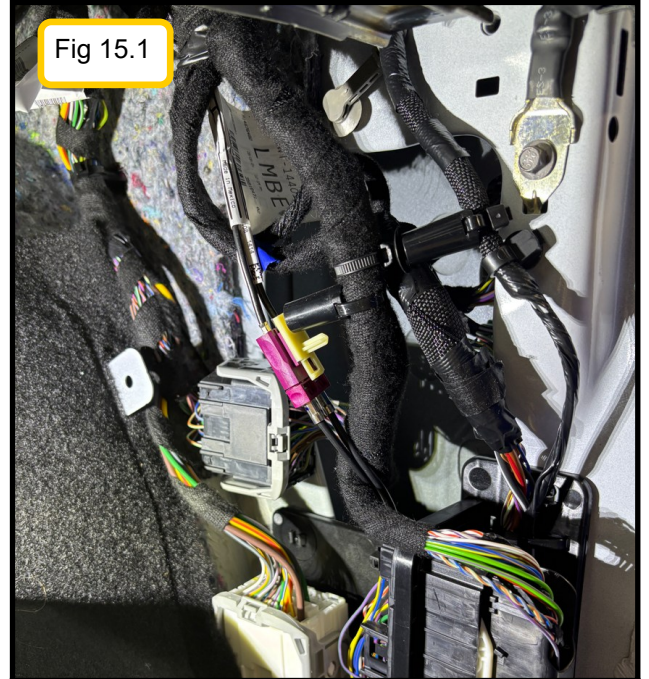


Fig 15.1

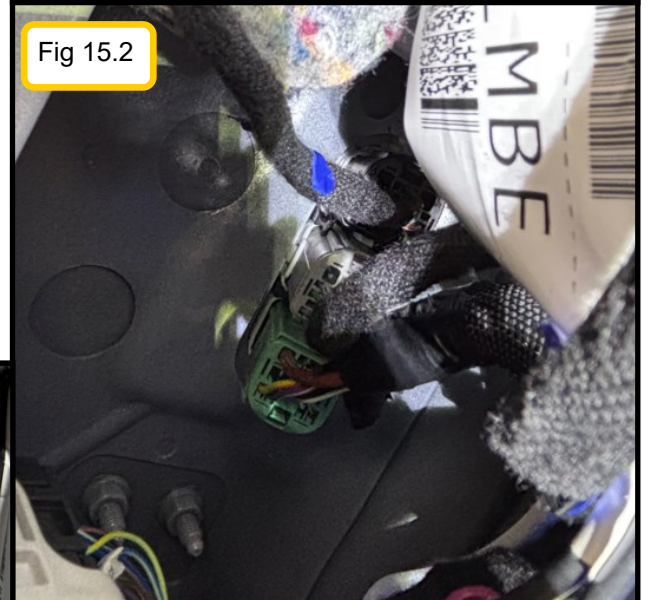


Fig 15.2

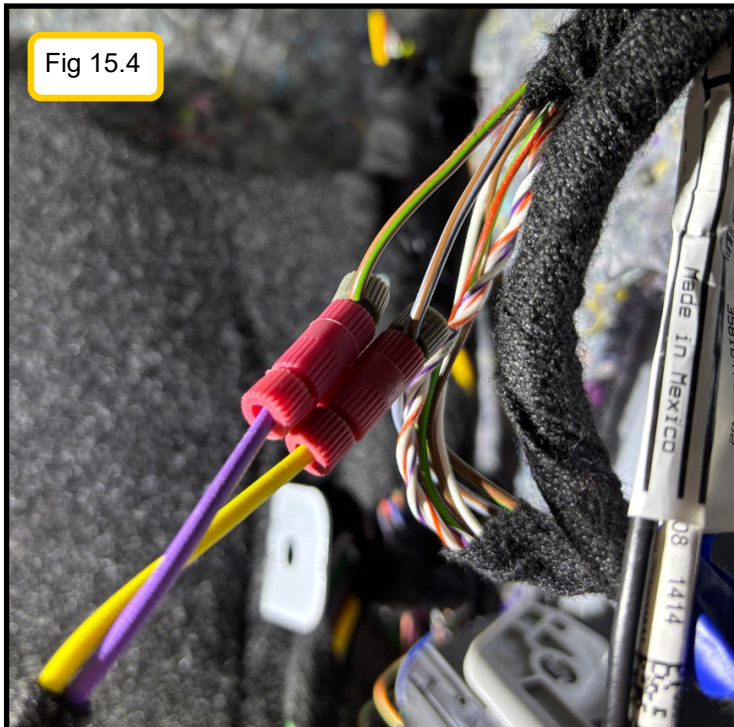


Fig 15.4

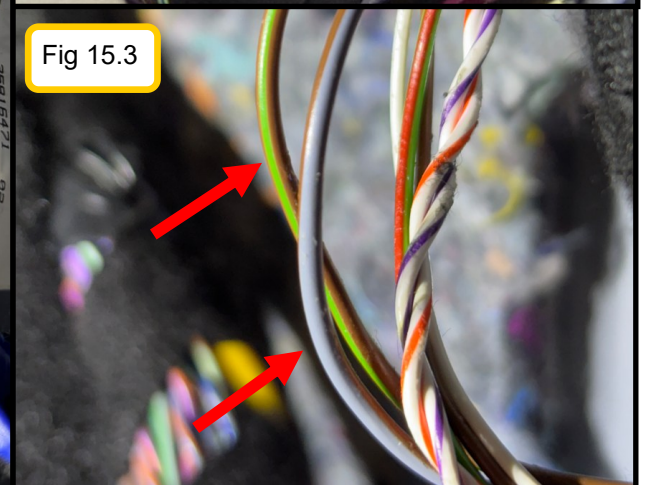


Fig 15.3

Platform Specific Posi-Tap Installation Instructions

RAM 1500 & HD (MY25+)

1. Ensure the battery negative is disconnected before removing any connectors from the BCM.
2. In the front passenger footwell, remove the kick plate and other trim panels under the dash.
3. Locate the OEM harness wrapped in glossy black tape on the side wall of the vehicle. (Fig 16.1)
4. CAREFULLY cut away the tape wrapped around the wires and locate the purple with green stripe wire and the green with gray stripe wire. (Fig 16.2)
5. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 16.3)

RAM

74341 Yellow -> OEM Beige W/ White Stripe
74341 Purple -> OEM Green W/ Violet Stripe

6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM and plug the connector back into the BCM.
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.
8. Secure the harness and relay module to the OEM harnesses.

NOTE: The photos on this page may not reflect the accurate wire colors. Follow the colors listed above.

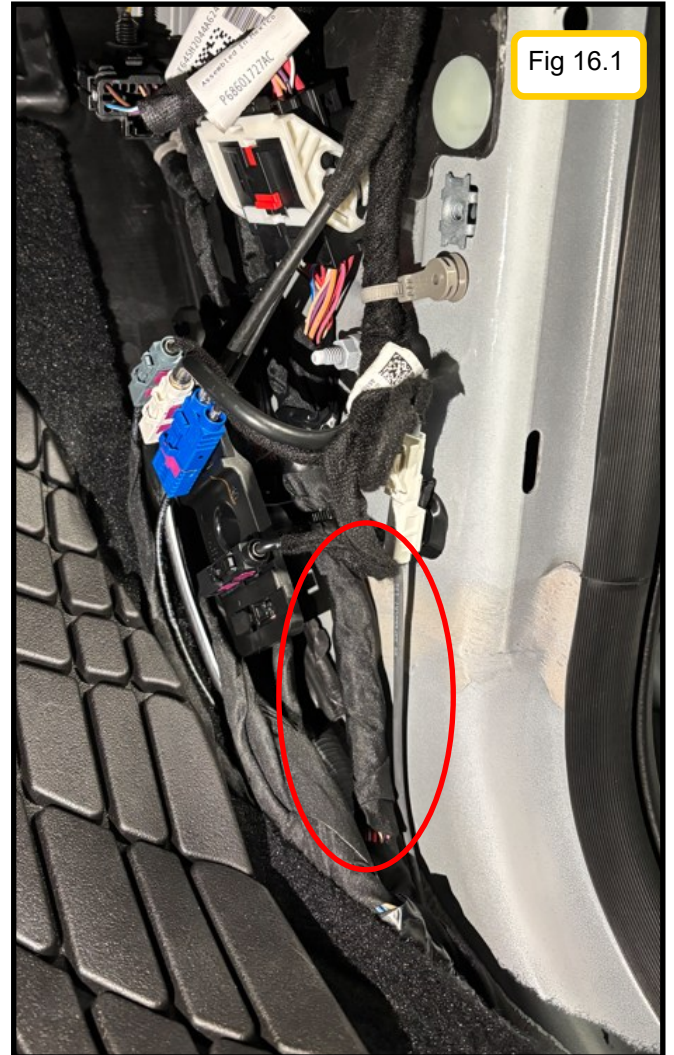


Fig 16.1



Fig 16.3

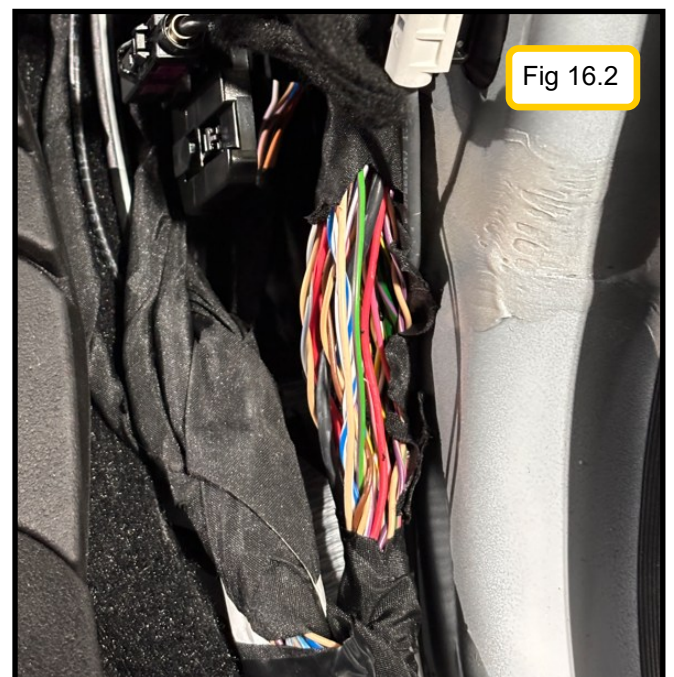


Fig 16.2

Platform Specific Posi-Tap Installation Instructions

Chevy Colorado

1. Ensure the battery negative is disconnected before removing any connectors from the BCM.
2. In the front passenger footwell, remove the kick plate and other trim panels.
3. Locate the Tesa tape wrapped harness that leads to the door connector. It will be leading behind the fuse block into the cavity.
4. CAREFULLY cut away the tape wrapped around the OEM wires. (Fig 17.1)
5. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 17.2)

Colorado

74341 Yellow -> OEM Gray / Black Stripe
74341 Purple -> OEM Yellow / Green Stripe

6. Retape the harness around the Posi-Taps to secure the wires as intended by the OEM.
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.
8. Secure the harness and relay module to the OEM harnesses using the included zip ties.

NOTE: The photos on this page may not reflect the accurate wire colors. Follow the colors listed above.



Fig 17.1



Fig 17.2

Platform Specific Posi-Tap Installation Instructions

Chevy Silverado ICE and Hybrid 1500-3500

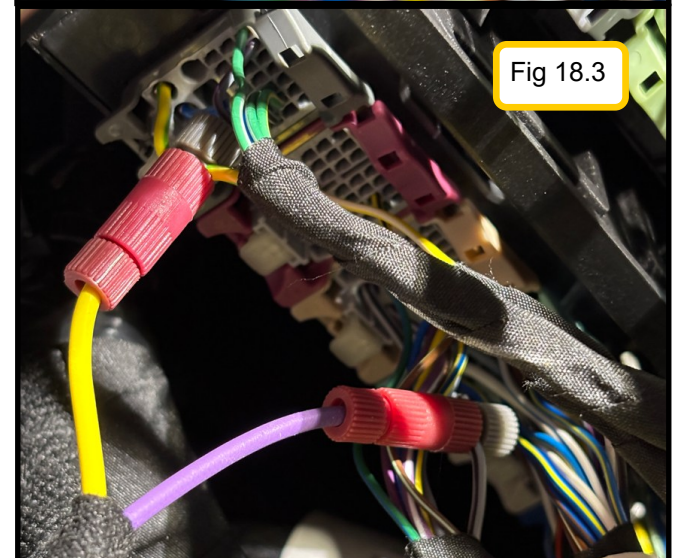
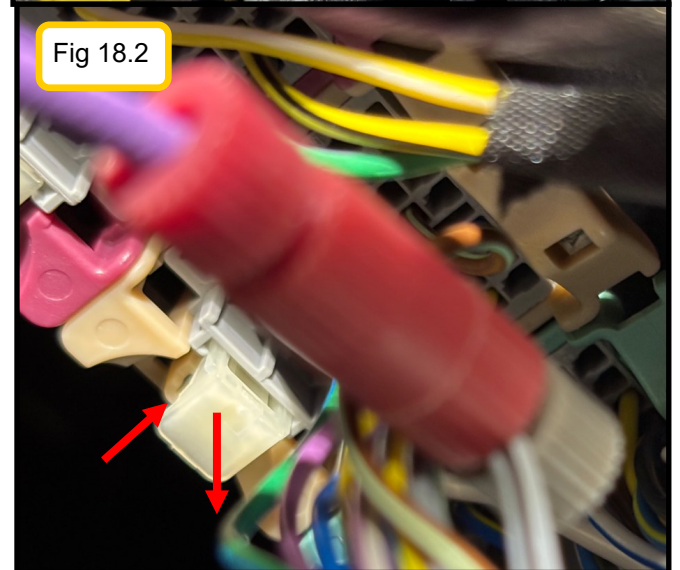
1. Ensure the battery negative is disconnected before removing any connectors from the BCM.
2. Silverado is different from all other platforms. The BCM is located behind the driver's side knee bolster. From underneath, there are two rows of colorful connectors. The one closest to driver's side wall of the vehicle is the BCM.
3. Disconnect connectors x8 (grey), and x6 (tan) by pulling the small tab down, and pressing the release in. (fig 18.1 & 18.2)
4. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 18.3)

Silverado

74341 Yellow -> OEM X6 Gray / Black Stripe
74341 Purple -> OEM X8 Yellow / Green Stripe

6. Plug the connectors back into the BCM.
7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.
8. Secure the harness and relay module to the OEM harnesses.

NOTE: The photos on this page may not reflect the accurate wire colors. Follow the colors listed above.



Platform Specific Posi-Tap Installation Instructions

Chevy Silverado EV

1. Remove the lower trim panel and pull back the flooring to reveal the OEM body wire harness. (Fig 19.1)
2. CAREFULLY cut away the tape wrapping around the harness. (Fig 19.2)
3. Locate the grey with black stripe and yellow with green stripe wires in this bundle. (Fig 19.3)
4. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 19.3)

Silverado EV

74341 Yellow -> Gray / Black Stripe
74341 Purple -> Yellow / Green Stripe

7. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.
8. Secure the harness and relay module to the OEM harnesses.

NOTE: The photos on this page may not reflect the accurate wire colors. Follow the colors listed above.

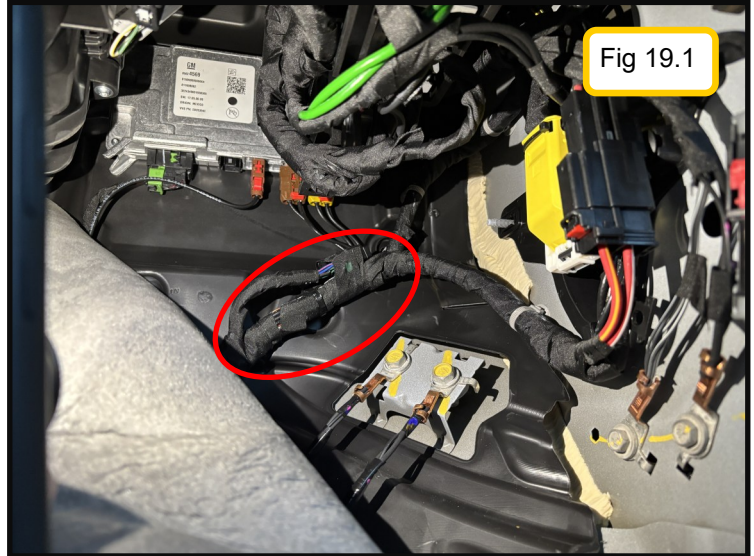


Fig 19.1

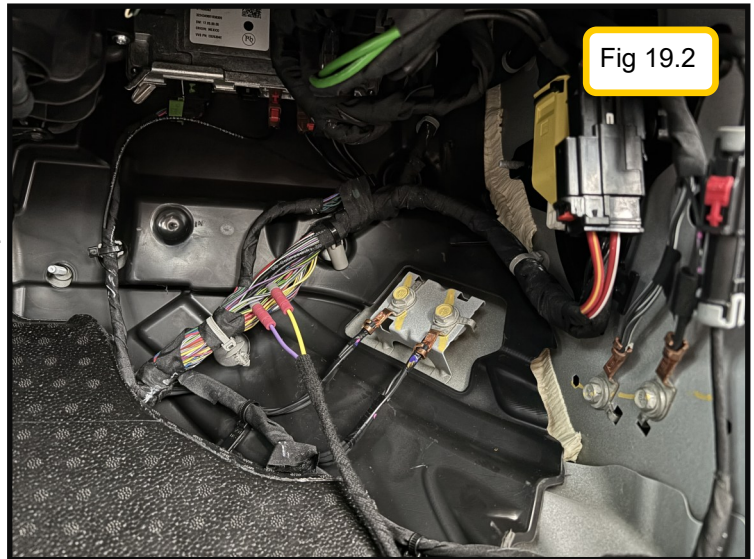


Fig 19.2

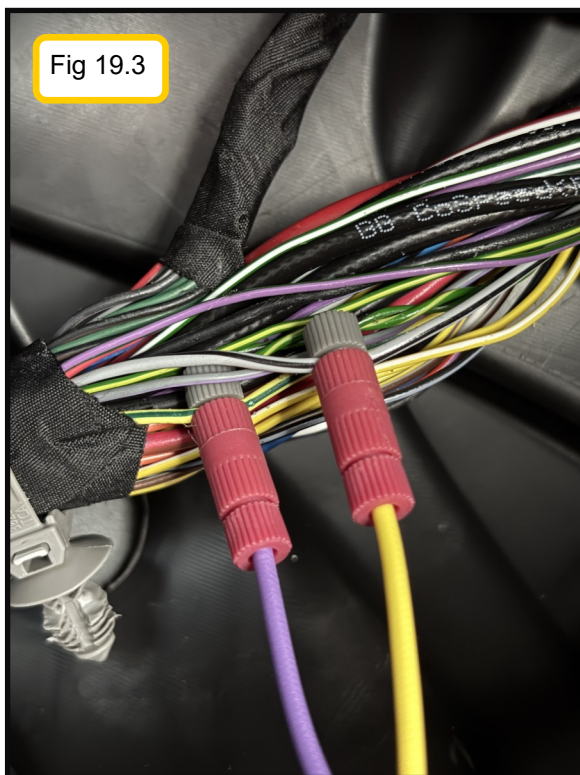


Fig 19.3

Platform Specific Posi-Tap Installation Instructions

Nissan Frontier

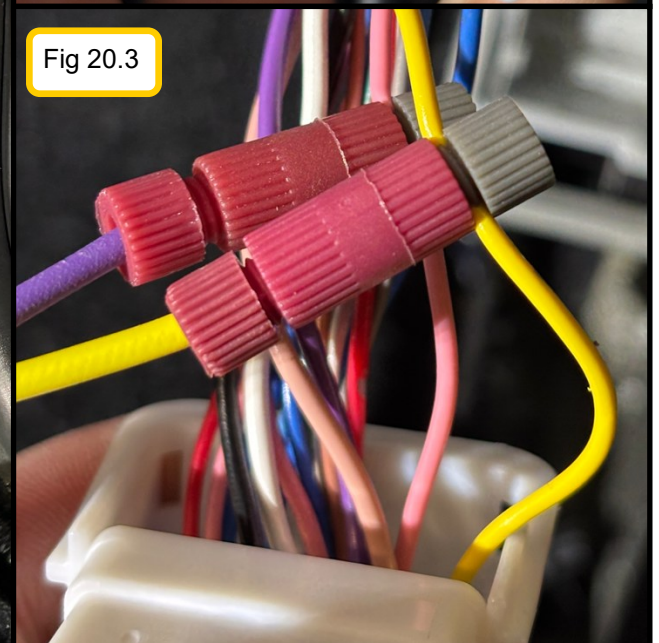
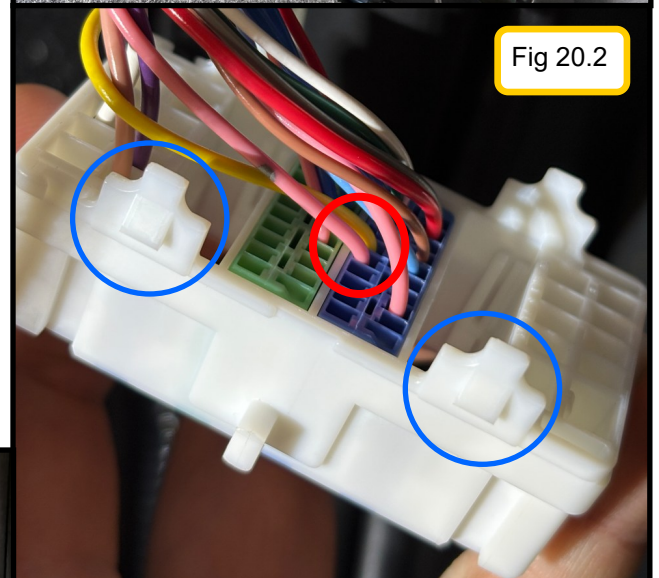
1. Ensure the battery negative is disconnected before removing any connectors.
2. In the front passenger footwell, remove the kick plate and other trim panels.
3. Locate connector M36 and unplug it. (Fig 20.1)
4. Remove the connector cover by pulling the cover away from the tabs (blue circles in fig 20.2)
5. Locate the pink and yellow wires in positions 55 and 56 in the connector (red circle in fig 20.2)
6. Install the Posi-Taps following the instructions on page 11 using harness 74341 tapping wires. (Fig 20.3)

Frontier

74341 Yellow -> OEM Pink

74341 Purple -> OEM Yellow

7. Fasten the cover back on the connector and plug in the connector. (fig 20.4)
8. Plug the 74533 Relay Module into the 74341 harness 6-pin connector.
9. Secure the harness and relay module to the OEM harnesses.



Battery Harness Install Instructions



Figure 21.1

Option 1: Passenger-Side Battery

Step 1:

Locate 74343 E-LOCK PWR - PASS HARN

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

Locate the OEM battery terminals under the hood. In some cases, the negative terminal is not available and a nearby ground stud will be used instead.

Step 2:

Attach the red wire with the ring terminal to the battery positive post or a post of proper size in the power distribution block.

Attach the black wire with the ring terminal to either the negative terminal of the battery, or a nearby ground stud on the chassis of the vehicle.

WARNING: DO NOT USE THE BATTERY CLAMP NUTS TO SECURE HARNESS

Torque the battery terminals to 8 Nm.

Step 3:

Route the power harness over to the rear passenger-side corner of the engine bay, and secure the power harness to OEM harnessing to strain relief the terminals.

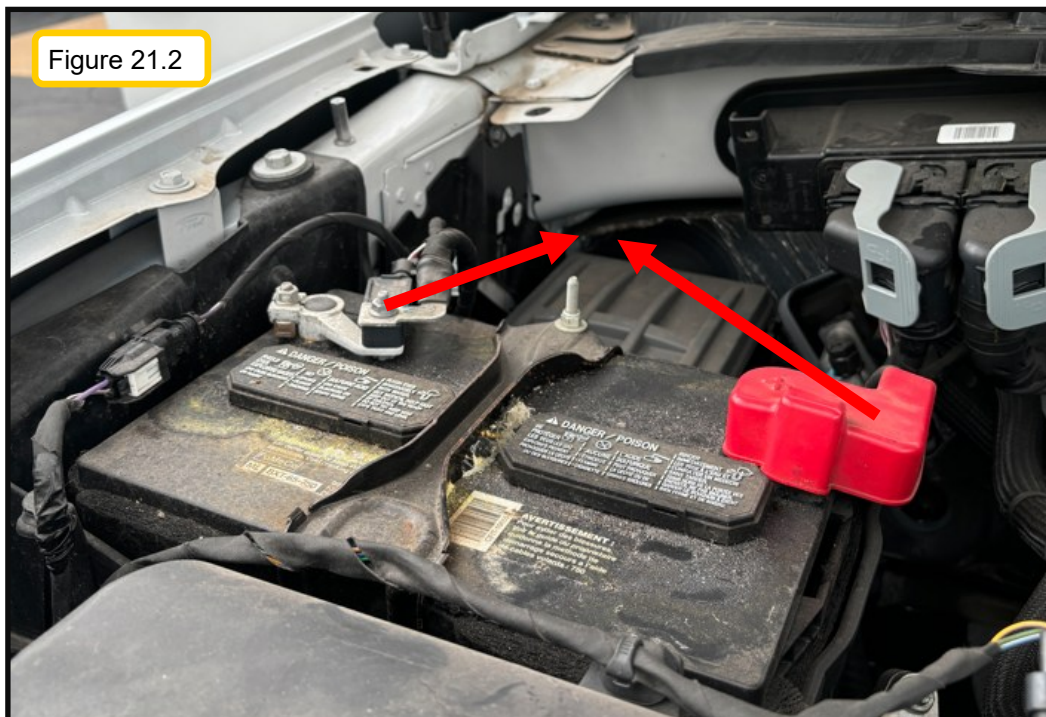


Figure 21.2

Figure 22.1

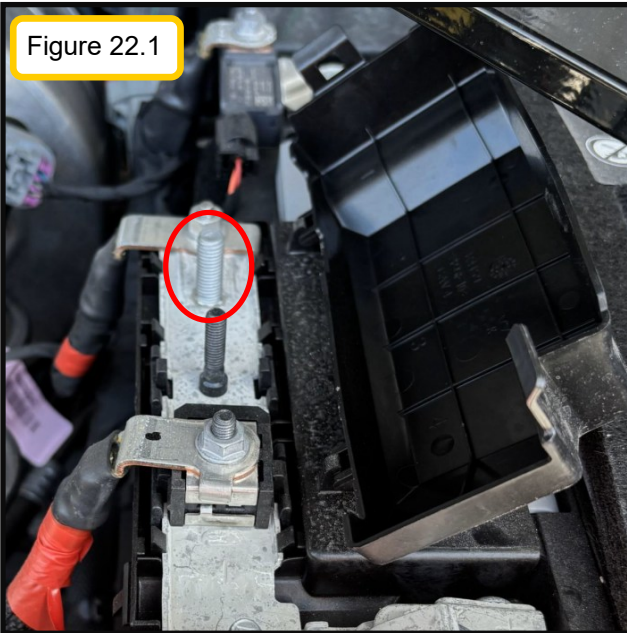
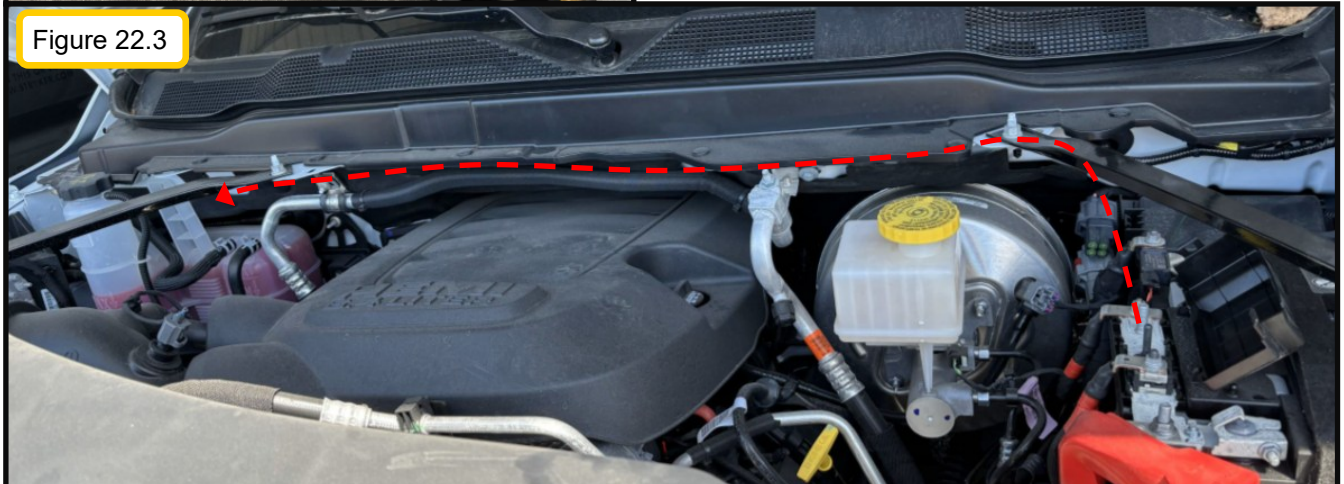


Figure 22.2



Figure 22.3



Option 2: Driver-Side or Centered Battery Silverado Passenger-Side Battery

Step 4:

Locate 74342 E-LOCK PWR - DRIVER HARN

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

Locate the OEM battery terminals under the hood. In some cases, the negative terminal is not available and a nearby ground stud will be used instead.

Step 5:

Attach the red wire with the ring terminal to the battery positive post or a post of proper size in the power distribution block.

Attach the black wire with the ring terminal to either the negative terminal of the battery, or a nearby ground stud on the chassis of the vehicle if the negative battery terminal is not available.

WARNING: DO NOT USE THE BATTERY CLAMP NUTs TO SECURE HARNESS

Torque the battery terminals to 8 Nm.

Step 6:

Route the power harness over to the passenger side of the vehicle, securing to nearby OEM harnessing whenever possible along the liner below the front windshield.

Figure 23.1



Figure 23.2



Step 7:

Route the harness down and around the front passenger-side wheel well so that it emerges under the front passenger footwell floor. (fig 23.1)

Step 8:

With the trim panels removed from installing the Posi-Taps and Relay Module, lift the carpeting and locate the OEM rubber or plastic grommet in the floor of the front passenger footwell. (fig 23.2)

If the OEM grommet is rubber, cut two 3/4" slits.

If the OEM grommet is plastic, drill a 3/4" hole in the grommet.

If an OEM grommet is not available, drill a 1" hole in a flat section of the floor as close to the Posi-Tap location as possible. (fig 23.3)

Insert the grommet included with the 74341 harness into the hole to prevent damage to the harnesses. (fig 23.4)

Step 9:

Route the power harness up through the grommet. (fig 23.2)

Figure 23.3



Figure 23.4





Maverick Hybrid Specific Routing Steps

Step 10:

Locate 74343 E-LOCK PWR - PASSENGER HARN

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

Locate the OEM battery under the rear seat.

Step 11:

Remove the positive terminal with the bus bar from the battery by loosening the clamp fastener. (Fig 24.1)

Step 12:

Attach the positive wire (with the in-line fuse) to the bus bar. (Fig 24.2)

Step 13:

Attach the negative wire with the ring terminal to the ground stud next to the battery. (Fig 24.3)

WARNING: DO NOT USE THE BATTERY CLAMP NUTs TO SECURE HARNESS

Step 14:

Reinstall the battery positive terminal.

Torque the battery clamp fastener to 5.2Nm, the bus bar locknut to 10Nm, and the ground fastener to 35Nm.

Step 15:

Route the power harness under the trim and kick panels to the front passenger foot well where the Relay Module 74533 is connected to the BCM harness.

Chevy Silverado EV Specific Routing Steps

Step 16.

When routing the battery harness down the footwell behind the liner, pass it through the space between the outer body panel and the chassis. (Fig 25.1)



Step 17.

Locate the small circular grommet a few inches above the lower passenger door hinge. Remove that grommet, cut a hole in it, and feed the battery harness through the hole and grommet into the passenger foot well. Reinstall the grommet and use silicone to seal the hole. (Fig 25.2)



Body Harness Install Instructions

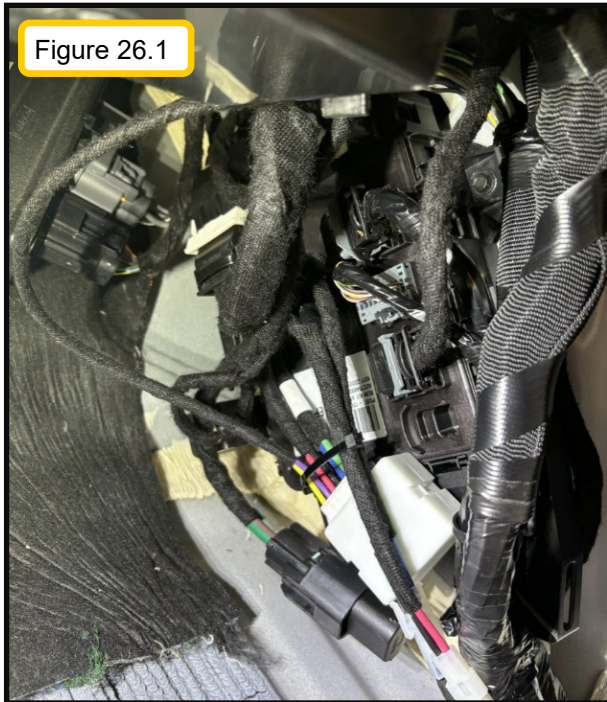


Figure 26.1

Step 1:

Plug the power harness (74342 or 74343) into its mating connector on the OEM Relay Harness 74341, and plug the control harness (74344 or 74345) into its mating connector on the OEM Relay Harness 74341. See Figure 3.1 for reference.

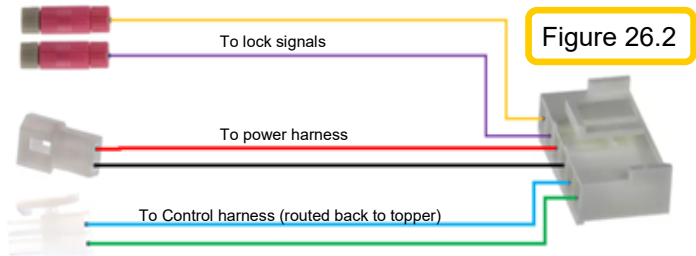


Figure 26.2

Tuck the Relay Module and attached harnessing behind the wires under the dash. Use zip ties to secure the Relay Module and connectors to the OEM harnesses at least 10cm above the floor of the vehicle.

Step 2:

Route the E-lock control harness back under where the passenger kick plate will be, then down the same grommet that the power harness came up. (Fig 26.3 and 26.4) (this will be the only harness on Maverick HYB).

Step 3:

Secure the harnesses to OEM harnesses with zip ties and seal the grommet gaps with silicone.



Figure 26.3

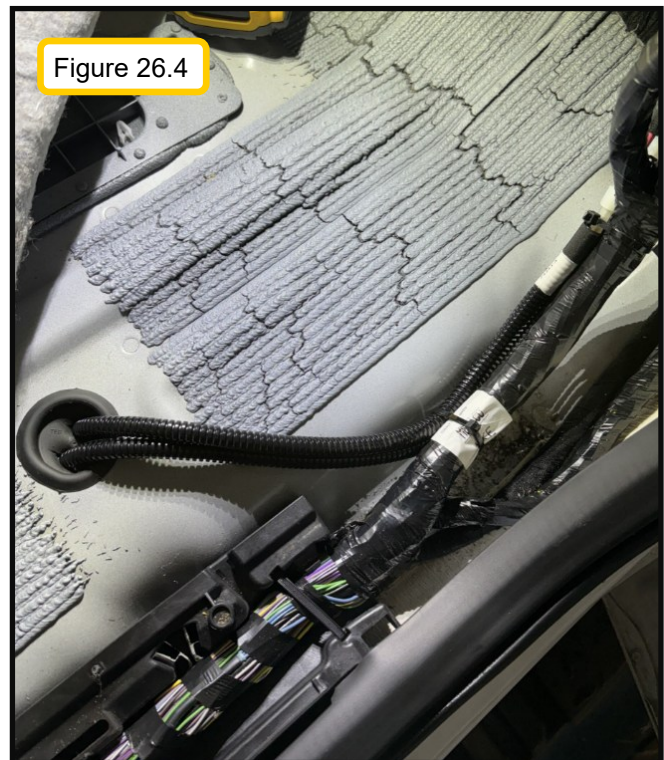


Figure 26.4



Figure 27.1

Step 9:

Using the P-clips and self tapping screws provided in the power harness bag, secure the excess power harness under the vehicle as shown. Use a zip tie to tie up the excess so it does not hang down.



Figure 27.2

Step 10:

Route the control harness along the length of the cab towards the bed. Use the P-clips and self tapping screws provided in the harness bag to secure the harness as shown. Continue backwards until reaching the gap between the cab and bed of the vehicle. (fig 27.2 and 27.3)



Figure 27.3

Step 11:

In the front passenger-side corner of the bed, locate the OEM hole (there may be a grommet) and feed the fish tape down through the side wall of the bed. Locate the end of the fish tape below the vehicle as shown in Fig 27.4 and tape the end of the control harness to the fish tape. Pull the harness up through the side wall of the bed and out the OEM hole as shown in Fig 27.6.

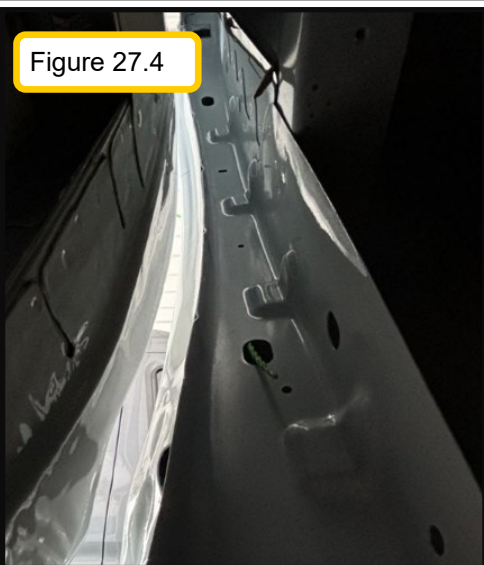


Figure 27.4

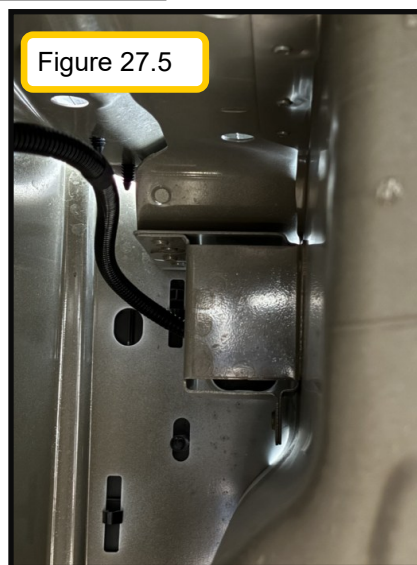


Figure 27.5



Figure 27.6

Chevy Silverado EV Specific Routing Steps

Step 12.

Route the body harness along the passenger side kick panels to behind the back seat. There you will find a grommet with an OEM harness running into it.

Step 13.

Unscrew the felt coverings in the passenger footwell. Locate the other end of the grommet protruding out of the cab. Unwrap the end of the grommet shown in Fig 28.3 and push the harness through the grommet from the cab side.

Step 14.

Use fish tape to route the harness up through the OEM hole shown in Fig 28.4



Adrian Cap Harness Install Instructions

1. Grab the 3-Split Harness (74346, 74347, or 74348) included in this kit. (Green in Figure 29.2)

2. Plug the 3-split section of harness into the control harness, and continue routing up the topper. Use the stud mount zip ties to secure the control harness to the screw threads inside the topper frame.

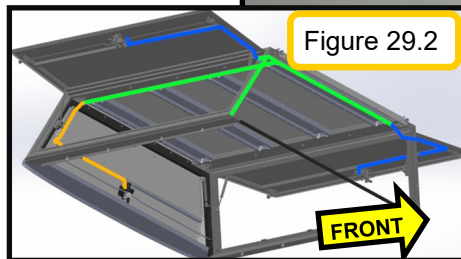
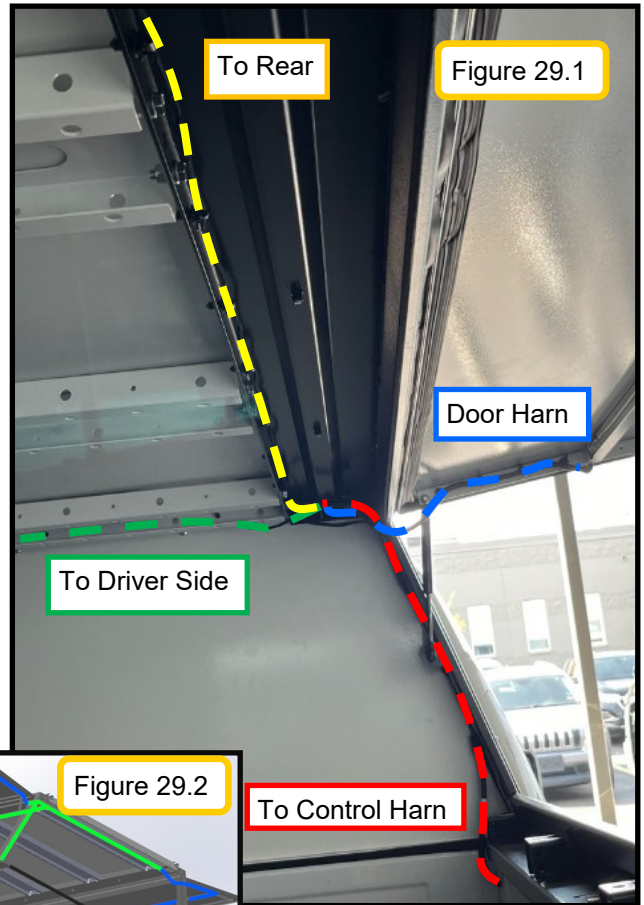
3. Once at the top, the harness will split three ways. (red line shows the part before the harness splits). (Fig 29.1)

4. The shortest end of the 3-split harness will connect directly to the passenger door harness (blue line).

5. Use tree cable ties to route the longest end of the 3-split harness to the rear door, going along the black topper support as shown to the right (yellow line) (Fig 29.4).

6. Use tree cable ties to route the remaining end of the harness to the driver's side door by going across the topper crossbeam closest top the cab (Figure 29.3).

NOTE: The rear door will have conflict with the magnet brackets, use the available pre-drilled holes to secure the harness.



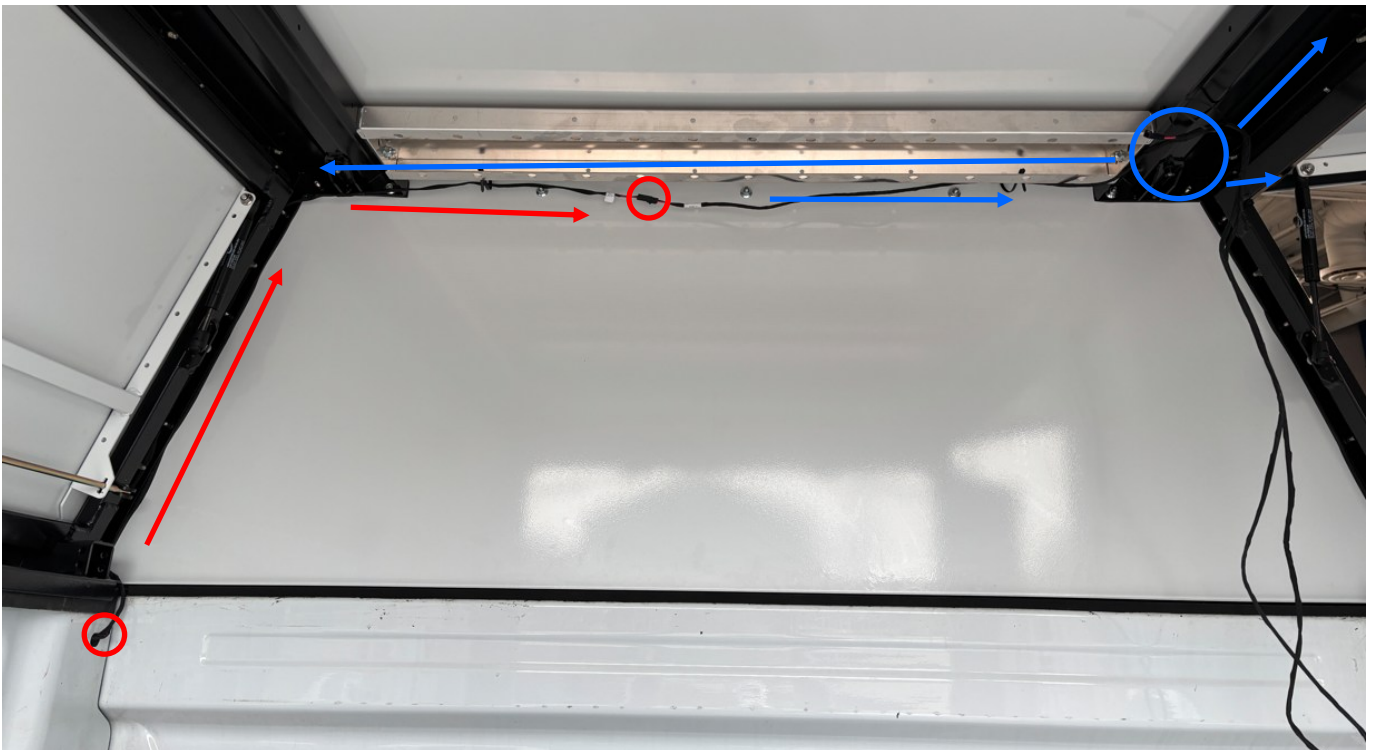
Adrian Cap Harness Install Instructions

Silverado - Specific Steps

For Adrian Caps with hatch rear doors, Silverado E-Lock kits (TELH) will route through the cap mirrored to the rest of the vehicles. The control harness will come up the front, driver- side topper pillar, and the routing will go across the topper to the passenger side door, and to the rear door on the driver side.

For Adrian Caps with barn / walk-in doors, Silverado ICE and Hybrid E-Lock kits (TELB) will utilize an additional harness, 77195 Adrian Cap E-Lock Extension Harness, to connect between the control harness and the 3-split harness as shown in the overall harness diagram on page 3. Follow the instructions below for installing this additional harness.

Connect the extension harness between the control harness and the 3-split harness (red circles). Route the harness as shown below (red arrows) and use the included stud-mount zip ties to anchor the harness up the pillar like the 3-split harness does normally. Route the 3-split harness like normal (blue arrows) back from the front top passenger-side corner of the topper (blue circle).



7. Before routing the door harnesses and with the locks removed, ensure the routing hole in the tube is 5/8". If it is not, use a 5/8" drill bit to widen out the hole. This only needs to be done on the hole the harness will be routed through. Use a deburring tool to clean up the edges. (Fig 31.1)

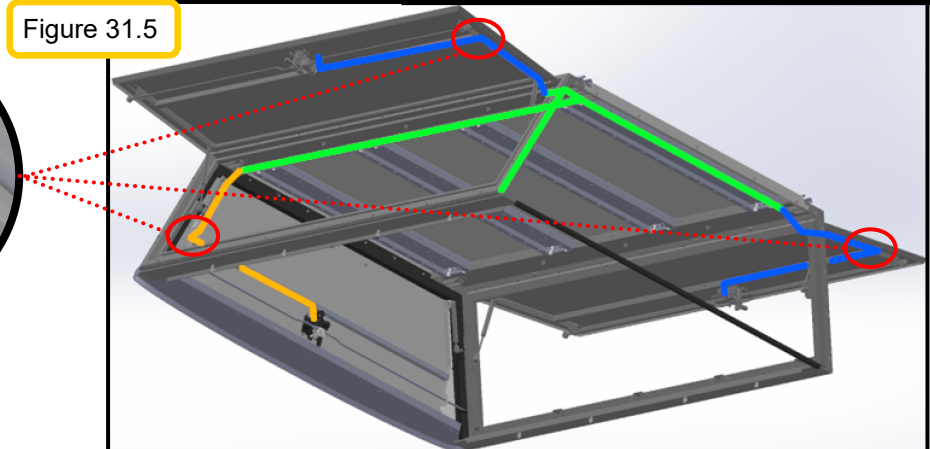
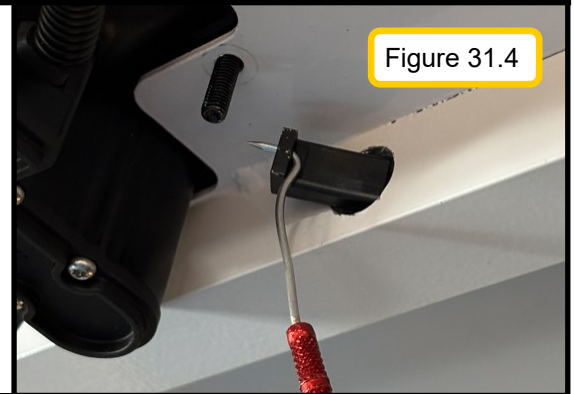
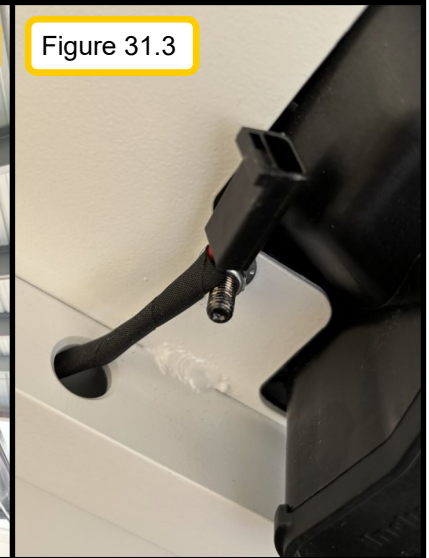
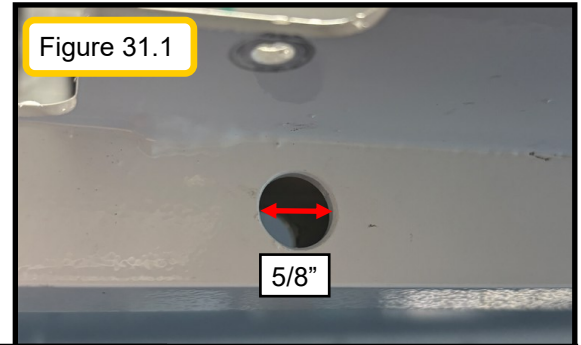
8. On each door, route the respective harness through the beam's opening on its left/right sides (depends on the door). (Fig 31.5)

9. Feed the harnessing through until the connector end reaches the first pre-drilled hole in the beam. (Fig 31.2)

10. Using picks or a small screwdriver, maneuver the connector through the hole so it comes out next to the lock. (Figure 31.3 & 31.4)

NOTE: Since the hole is on both sides of the tube, try to push on the connector from the outside of the hole, while using pick tools at the connector to wedge it out.

WARNING: These connectors are small, so they can be delicate. Take care to use minimal force when manipulating them through the hole.



11. Install the E-locks using [4] 8mm nuts (FAS0917), add the P-clip included in the door harness bag to the lock harness as shown in fig 32.2, and secure the locking rods themselves using [2] 10mm nuts (FAS0918). (Fig 32.1)

****TORQUE ALL NUTS TO 2.2Nm****

12. Plug in the E-Lock harness into the door harness and guide the connectors through the hole back into the tube until the grommet is able to be stuck into the hole.

NOTE: Try pulling gently on the other end of the door harness to pull the connectors back into the tube.

NOTE: The wires going into both connectors may not match, but as long as the connectors lock together that is the important part

WARNING: These connectors are small, so they can be delicate. Take care to use minimal force when manipulating them through the hole.

13. The grommet is designed to be squished into place. Use a small dull screwdriver or plastic blade to press the angled piece of the blade through the hole, leaving the larger section outside the tube. (Fig 32.2)

14. Stuff the other end of the door harness into the tube up to the grommet. (Fig 32.3)

15. Secure the harness up the door with Christmas tree zip ties along the inside of the door shock. (Fig 32.4 & 32.5)

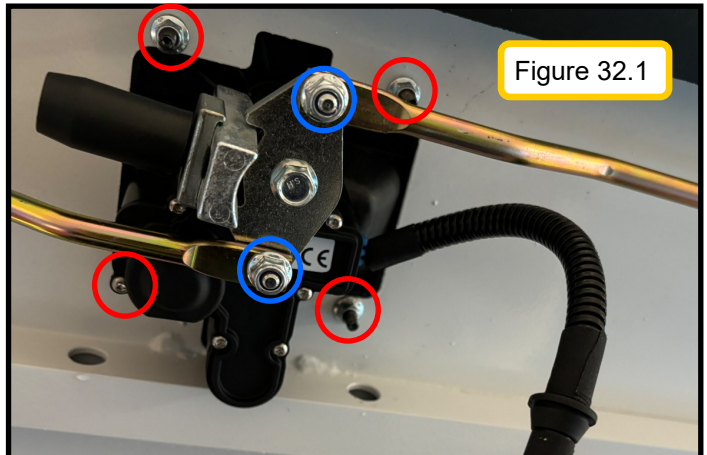


Figure 32.1

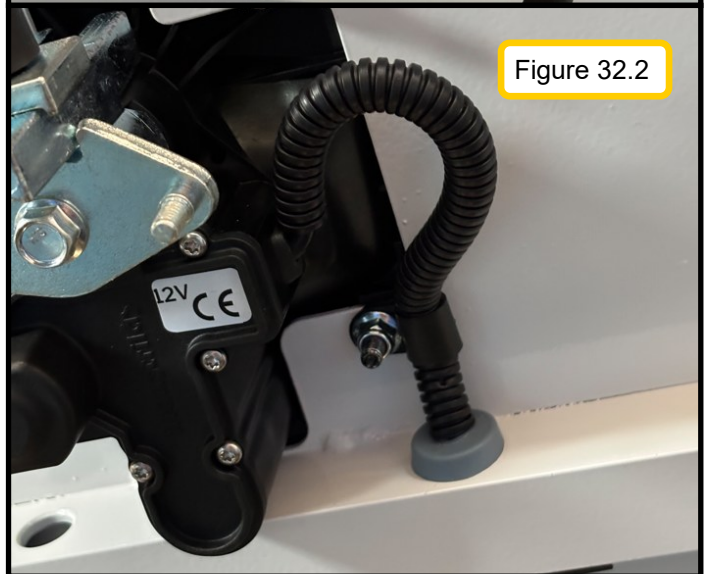


Figure 32.2

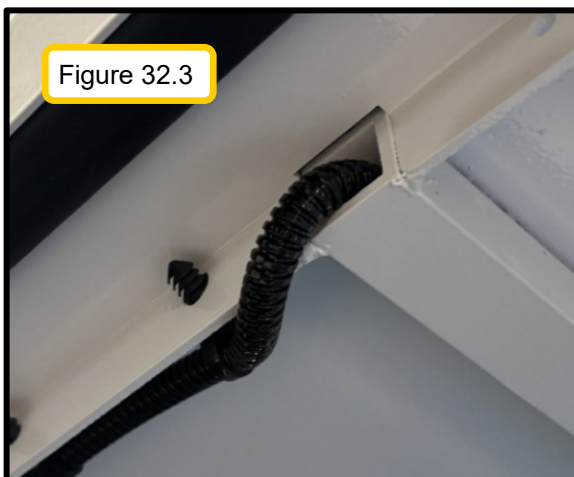
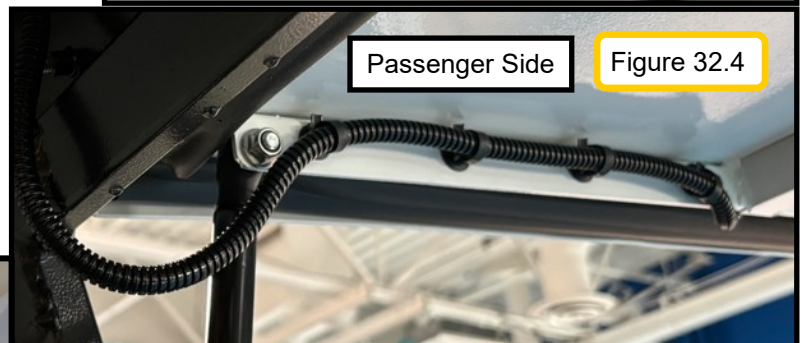


Figure 32.3



Passenger Side

Figure 32.4

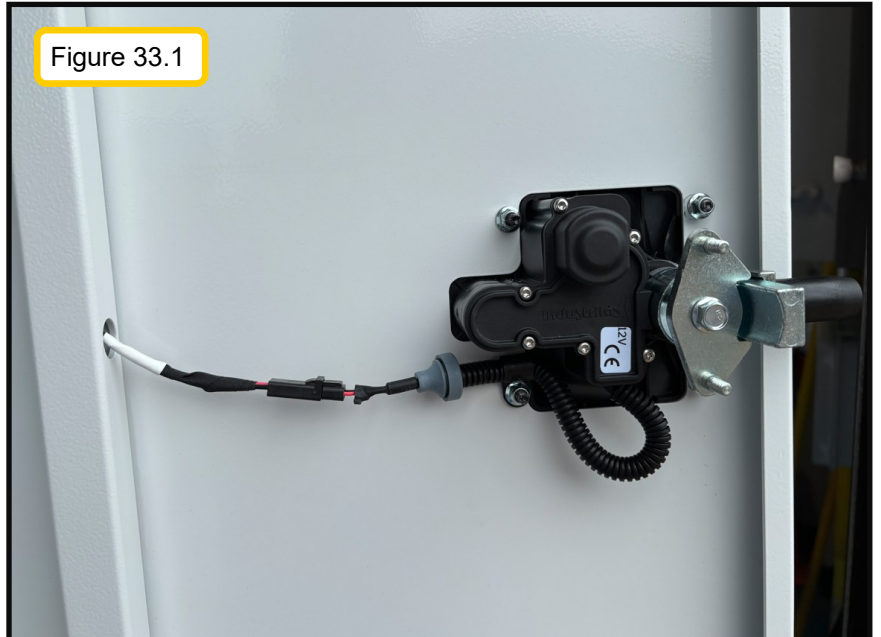


Figure 32.5

Driver Side

16. If the Adrian Cap has the barn door / walk-in topper, install the rear lock as shown. Use the P-clip in the same way as the side doors, and secure the E-Lock harness to the lower left lock mounting stud. (fig 33.1)

Figure 33.1



17. Route the rear door harness behind the shock, along the upper rail, and down into the square tube similar to the hatch door routing. (fig 33.2 & 33.3)

Figure 33.2



Figure 33.3



18. Plug the door harness into the 3-Split harness and use a stud-mount style zip tie included in the harness bag to secure the harness to the inside of the topper. Make sure to keep enough slack in the door harness so there's at least 1" free hanging clearance between the topper frame and the harness. (Fig 34.1 & 34.2)

19. Once all three locks and door harnesses are installed, test functionality of the locks. Open the handles on the locks and notice the small metal T-shaped pin underneath.

- Lock the vehicle, and the metal pin on each lock should turn 90 degrees into the horizontal position.

- Unlocking the vehicle should return the pin to its original vertical orientation.

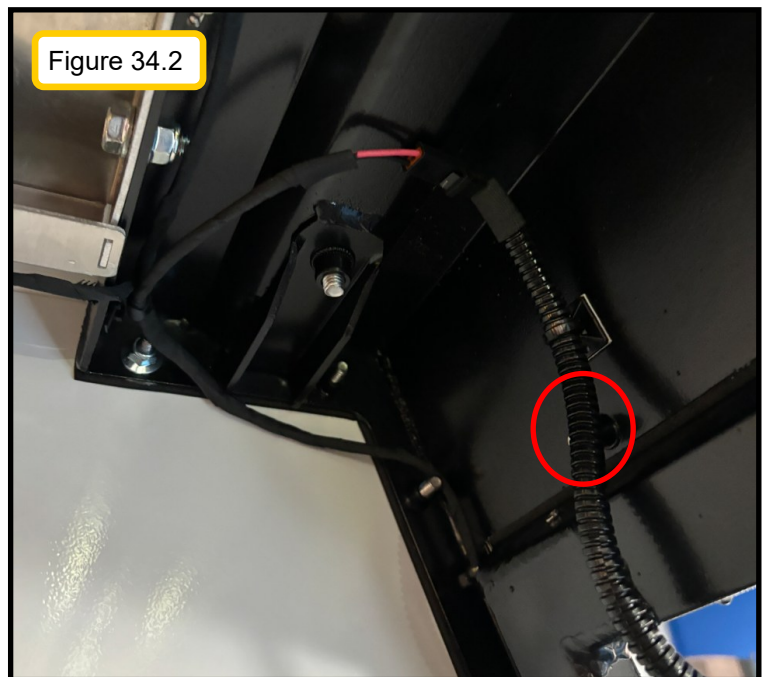
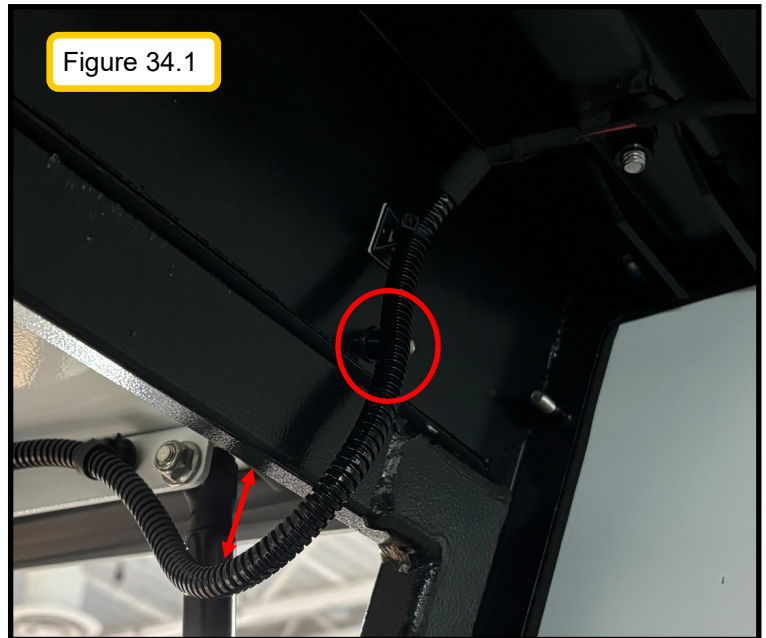
- If the pins don't turn, or turn opposite of where they should, refer to pg. 11 for troubleshooting notes.

20. Secure any loose wiring under kick plates and behind the knee bolsters.

21. Secure any excess underbody wiring using zip ties. (Fig 27.1—27.3)

22. Reinstall the trim panels and clean up the vehicle.

INSTALL COMPLETE



Roll-up Door Topper Only

Connect the 80678 E-Lock Roll-up Door Harness to the 3 Split Harness at the rear of the Topper by the Roll-up Door. Figure 35.1

Route the shorter leg of the harness straight down to be connected to the E-lock via butt-splice connectors.

Route the longer leg over and across the Roll-up Door then down the other side to be connected to the E-lock via butt-splice connectors. Figure 35.2

80678		E-Lock
RED	→	YELLOW
BLACK	→	RED

You may need to coil up extra harness as shown in Figure 35.3

Ensure butt-spliced are heated to be sealed.

Using the provided key for the Roll-up Door, ensure that the lock is in the position shown in Figure 35.4.

IF KEY IS NOT TURNED TO PROPER POSITION E-LOCKS WILL NOT LATCH

INSTALL COMPLETE

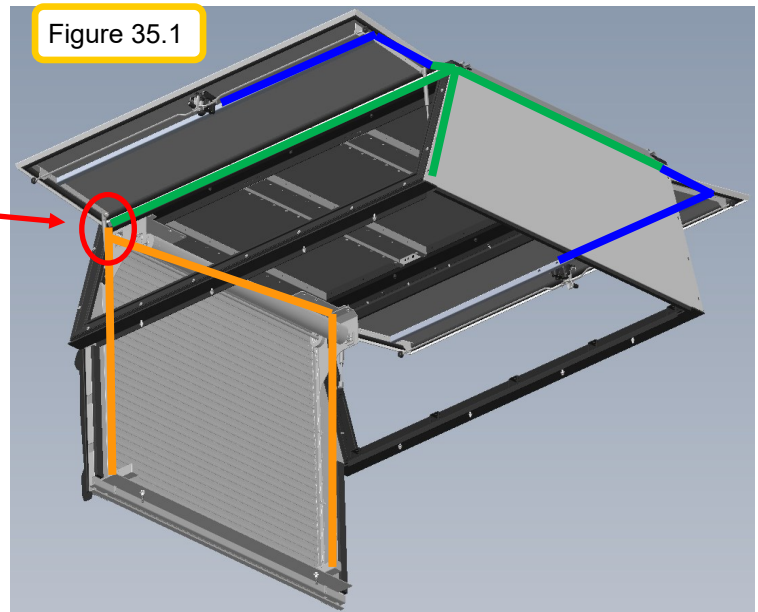


Figure 35.1



Figure 35.2



Figure 35.3

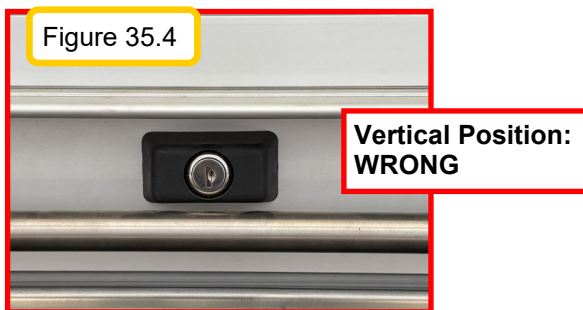


Figure 35.4

**Vertical Position:
WRONG**



**Horizontal Position:
CORRECT**

INSTR.
NUMBER : **71622**

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

PART
NUMBER : **TFK__T178HM23W**

PART
DESC. : ASM INS, TFK__T178HM23W

BOM FOR 6.5' F-150

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

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

BOM FOR 6.5' SILVERADO 1500

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

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

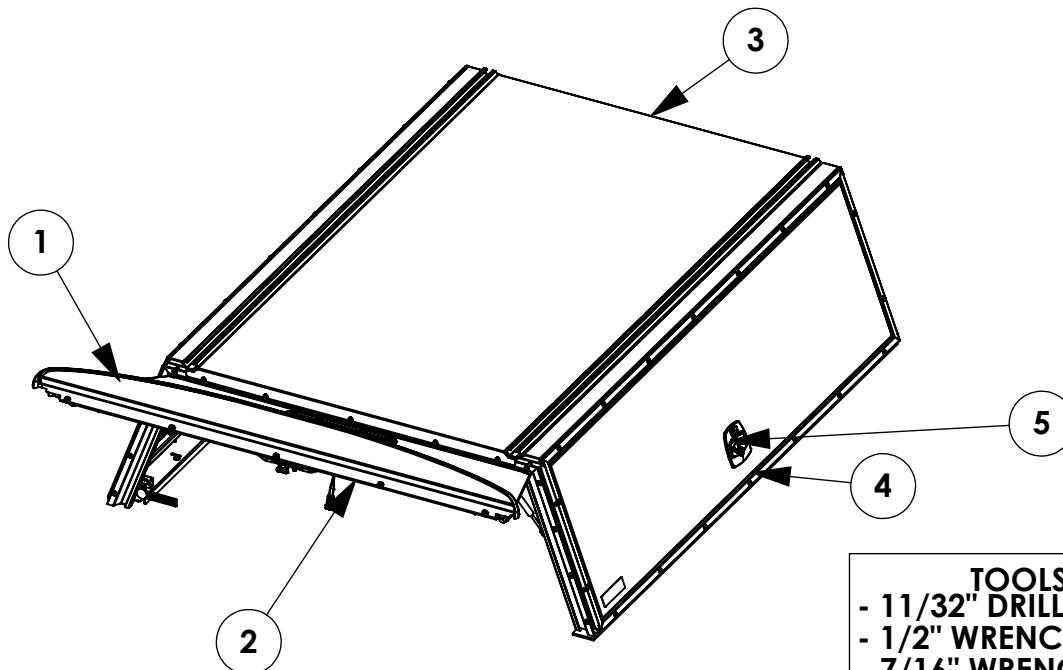
NOTE: THESE INSTRUCTIONS ARE VALID FOR ALL TFK FULL TOPPER KITS. A FEW BOM KITS ARE SHOWN FOR REFERENCE ONLY.

INSTRUCTIONS SHOWS F-150 BODY DURING INSTALLATION

FASTENER AND HOLE COUNTS MAY BE DIFFERENT BETWEEN TOPPER KITS.

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

**EXAMPLE: TFKFDT178HM23W
BECOMES TFKFDT178HE23W**



TOOLS NEEDED:

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

INSTR.
NUMBER : 71622

PG:
2

REV:
V

PART
NUMBER : TFK__T178HM23W

PART
DESC. : ASM INS, TFK__T178HM23W

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

BOM FOR 6.3' RAM

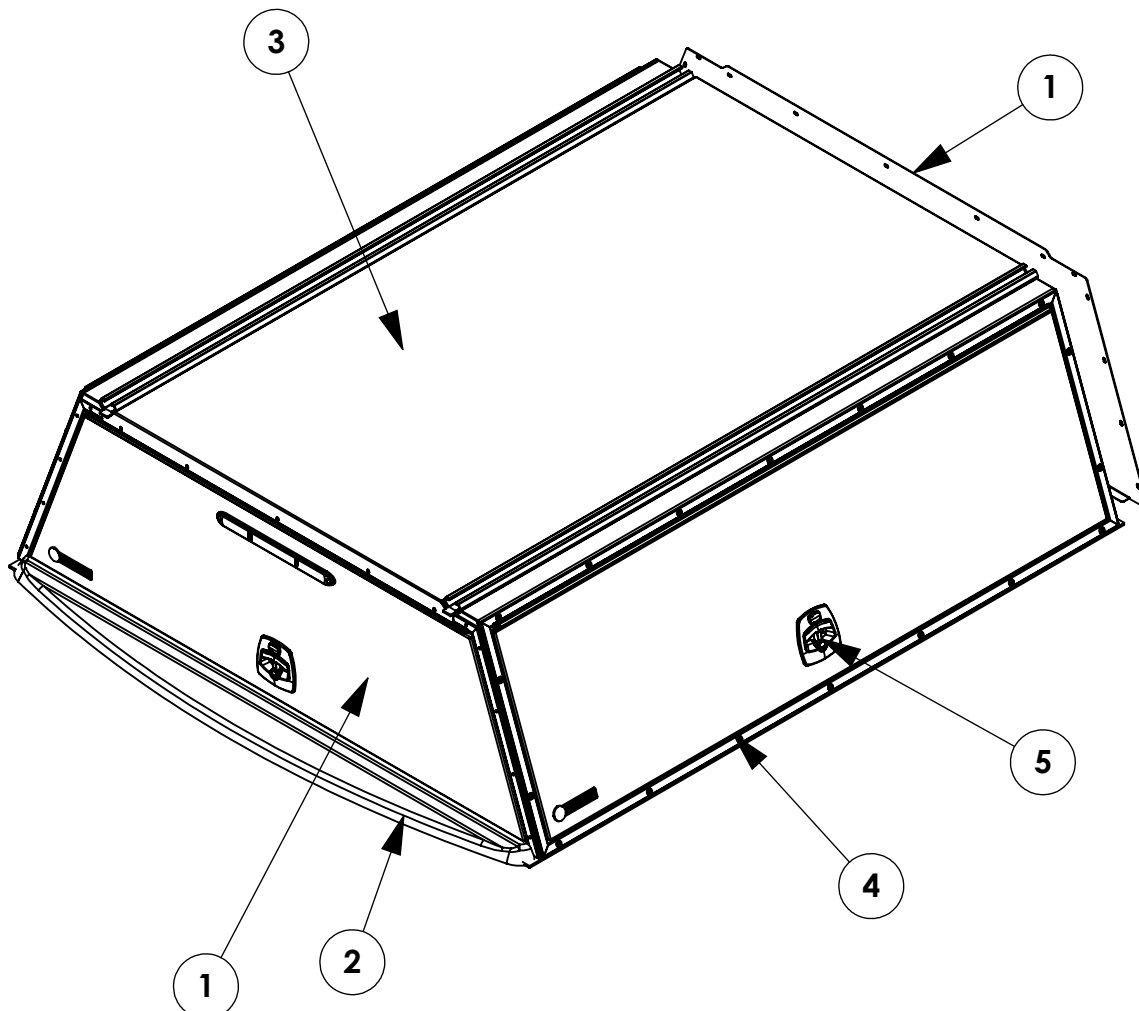
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
2	THKRAM175M23	HDW KIT, TCKRAMT175HM23W	1
3	TRK7523W	TOP, ROOF PANEL KIT, RAM	1
4	TSK75M23W	TOP, SIDE KIT, 78" RAM	2
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

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

BOM FOR 5.7' RAM

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

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



INSTR.
NUMBER : 71622

PG:
3

REV:
V

PART
NUMBER : TFK__T196HM23W

PART
DESC. : ASM INS, TFK__T178HM23W

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

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

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

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

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

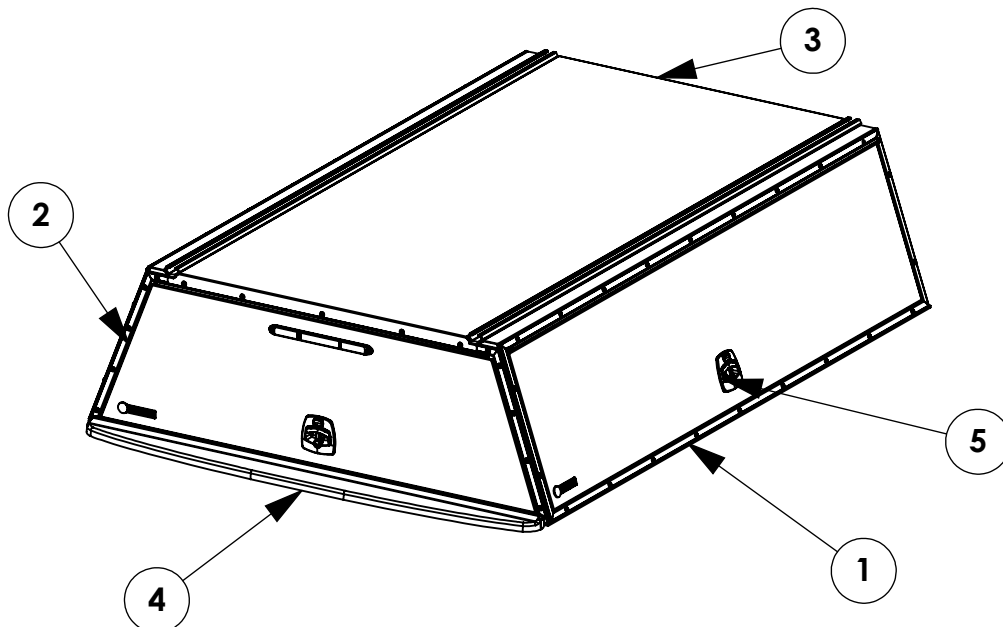
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	TSK96M23W	TOP, SIDE KIT,96",M,23,W	2
2	TCK78HM23W	TOP,CLOSE KIT,78",HM23,W	1
3	TRK9623W	TOP, ROOF KIT,96",23,W	1
4	THKGMT196M23	HDW KIT, TFKGMT196HM23W	1
5	TMLHK	Topper Mechanical Lock Hatch Kit	1

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

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

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

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



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

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

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

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

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

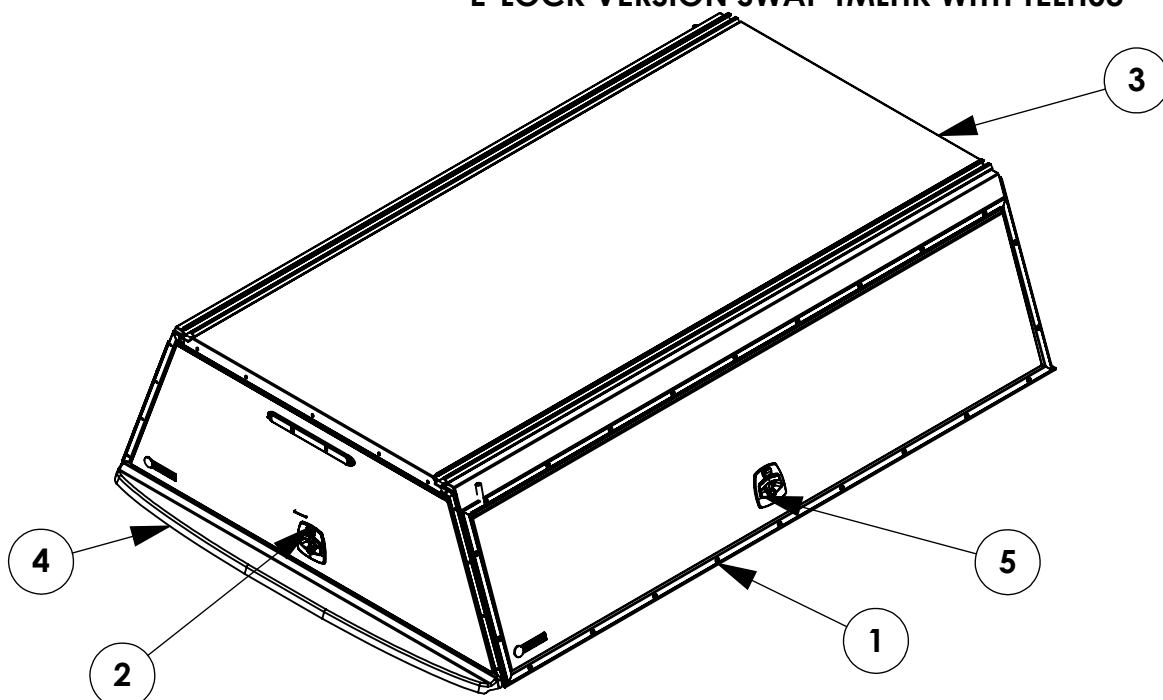
*** E-LOCK VERSION SWAP TMLHK WITH TELH03**



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

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

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



INSTR. : 71622
NUMBER

PG: 5
REV: V

PART : TFKFDT166HM23W
NUMBER

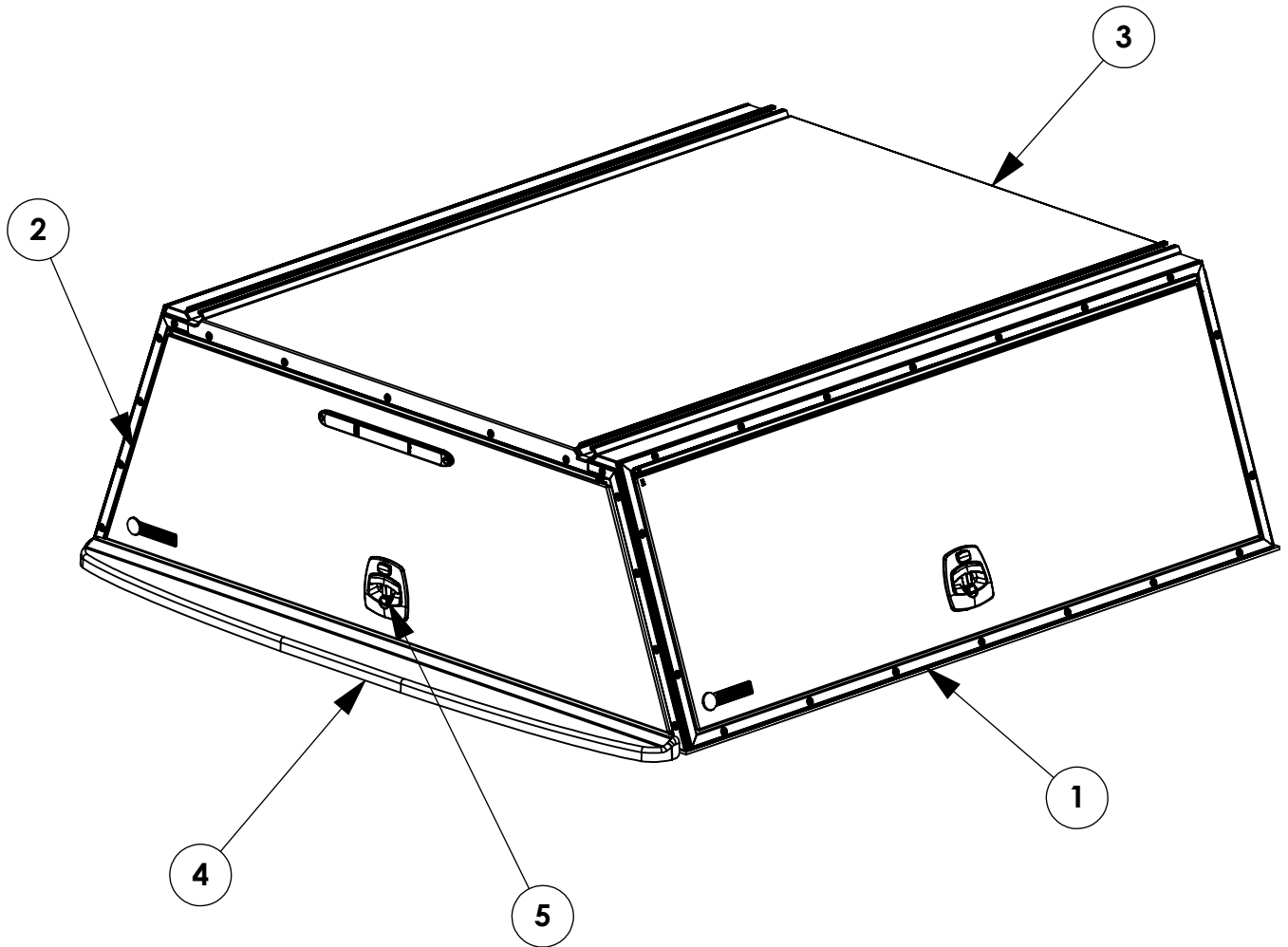
PART :
DESC. : ASM INS, TFK__T178HM23W

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

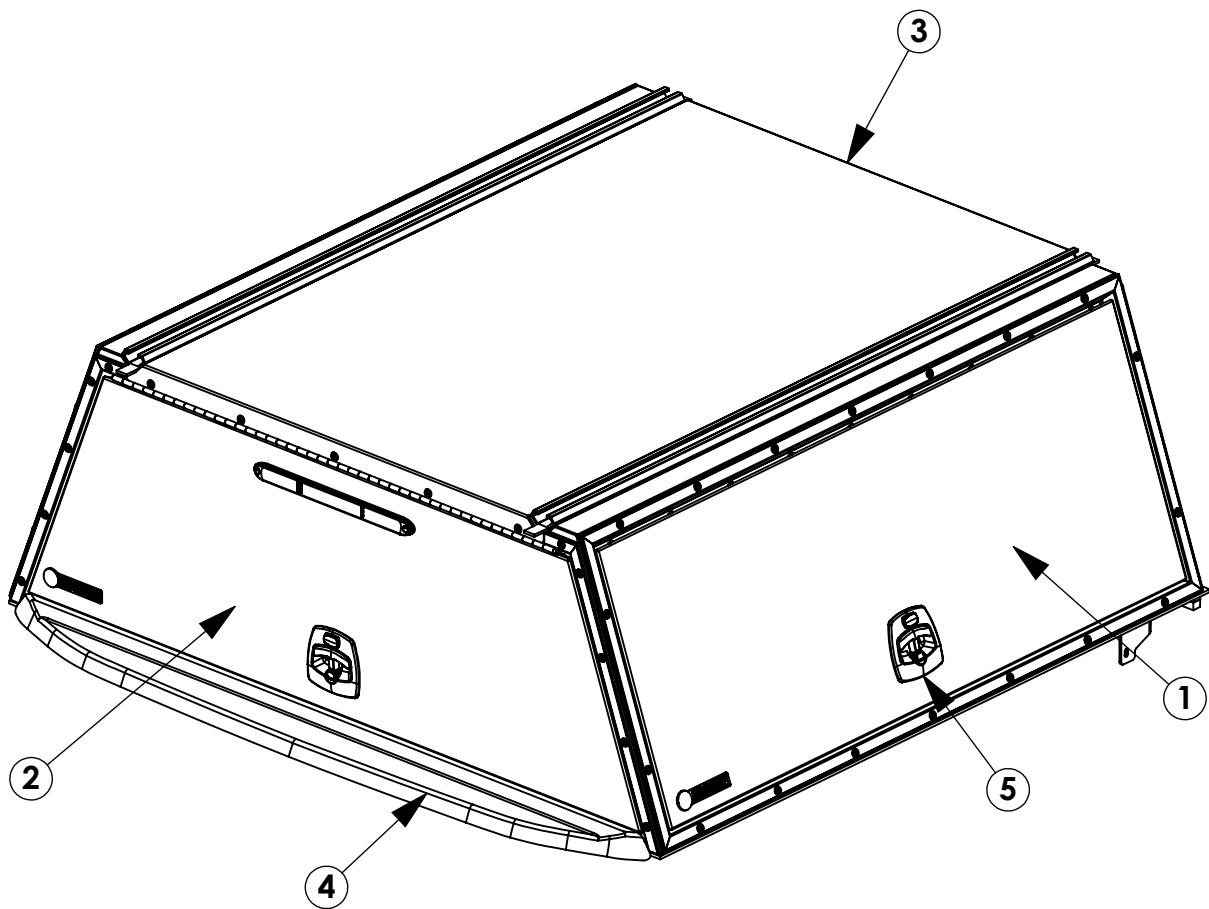
*** E-LOCK VERSION SWAP TMLHK WITH TELH04**



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

E-LOCK VERSION: TFKRNG160HE23W

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



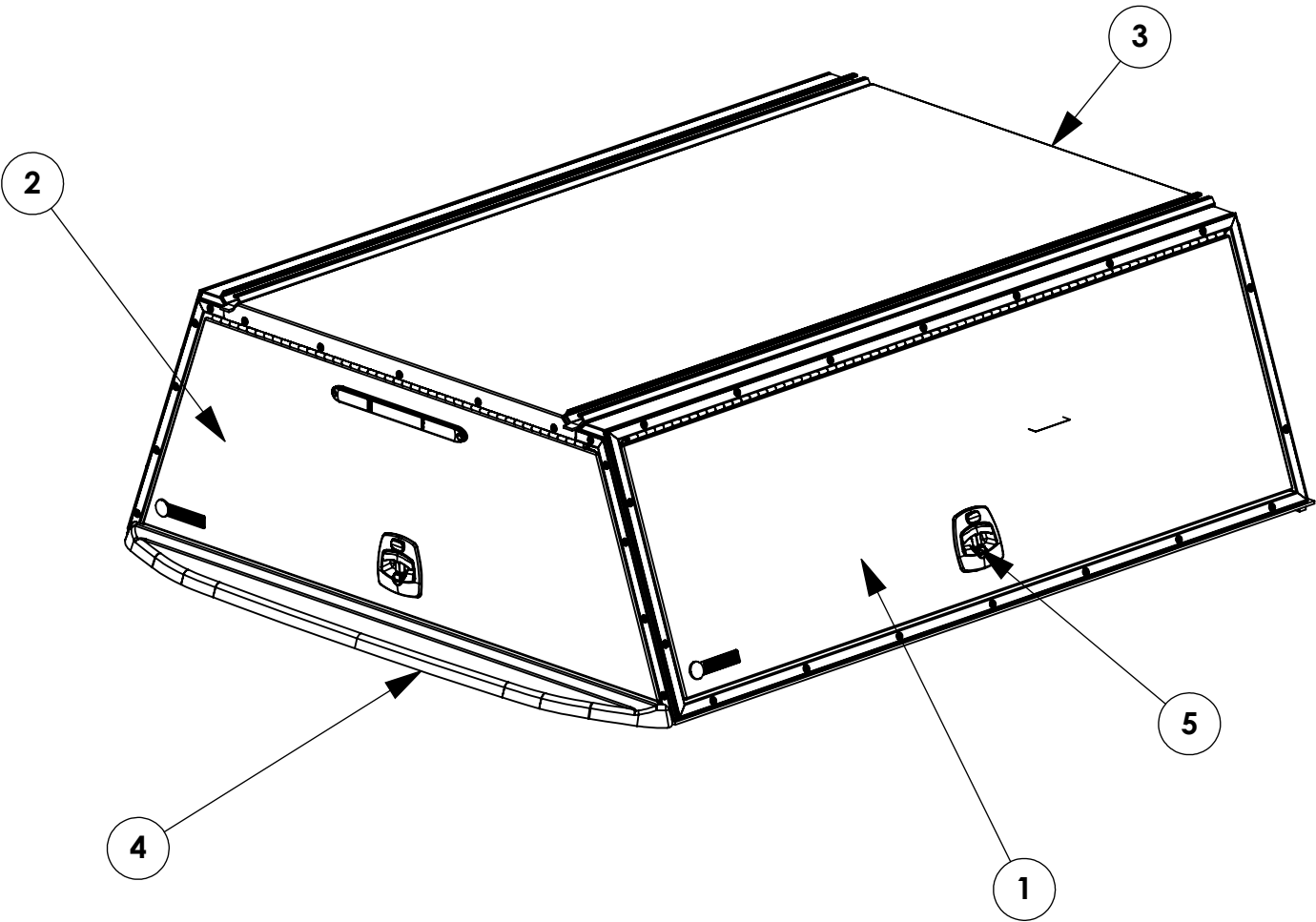
INSTR. NUMBER	: 71622	PG: 7	REV: V
PART NUMBER	: TFKNFT172HM23W		
PART DESC.	: ASM INS, TFK__T178HM23W		

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:
V

PART
NUMBER : **TFKNFT160HM23W**

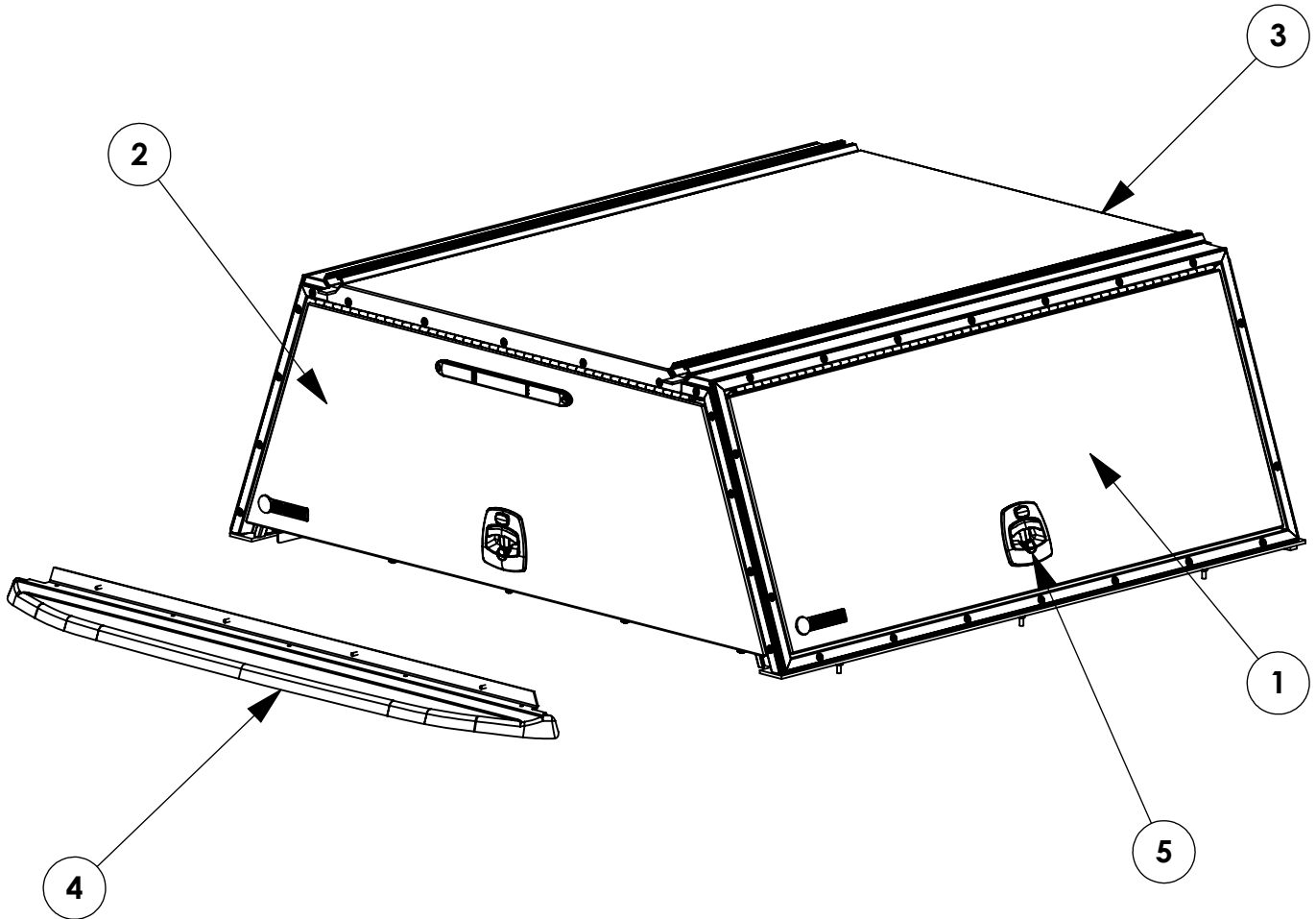
PART :
DESC. : ASM INS, TFK__T178HM23W

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

BOM FOR 5.0' 23" TALL NISSAN FRONTIER

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

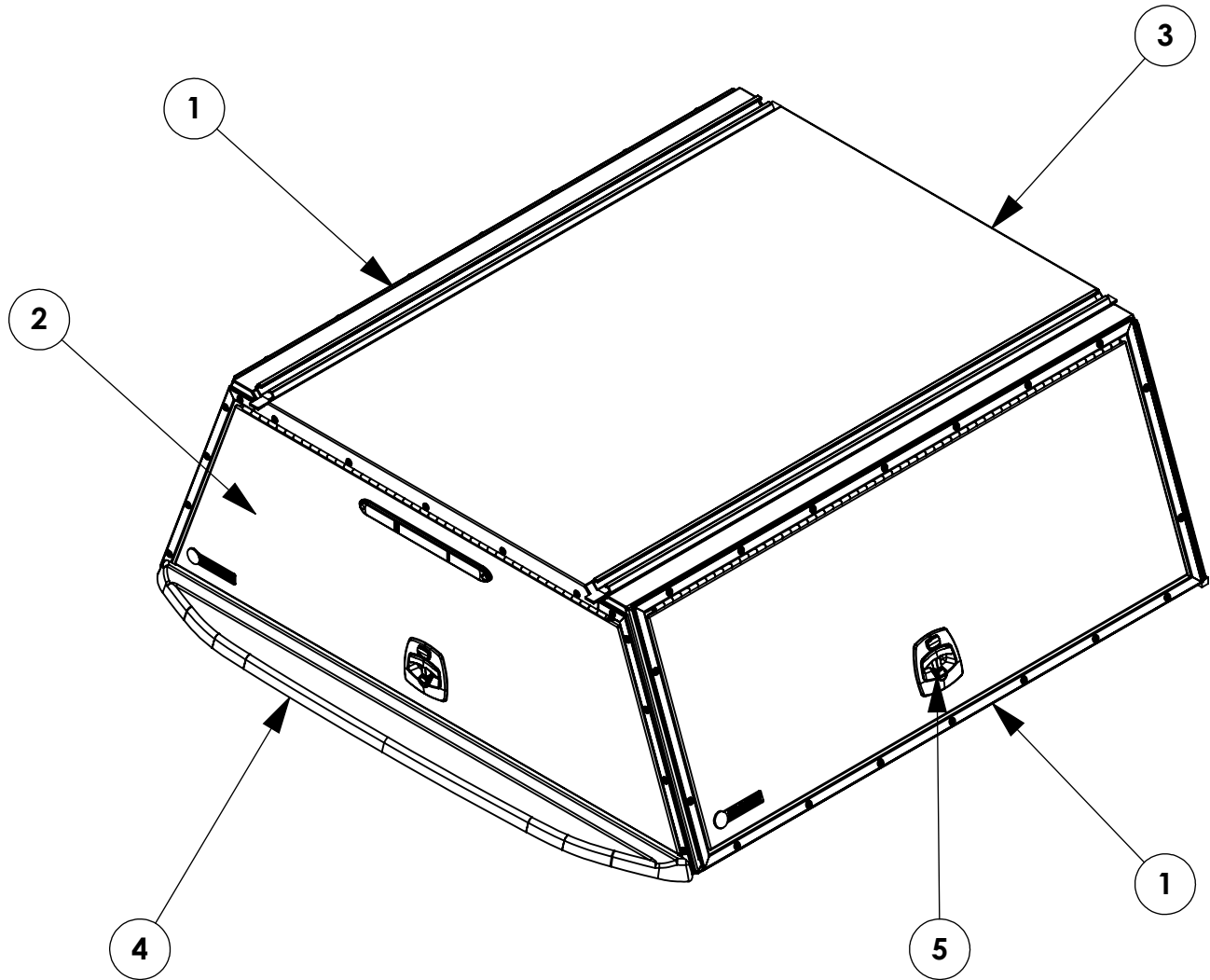
*** E-LOCK VERSION SWAP TMLHK WITH TELH04**



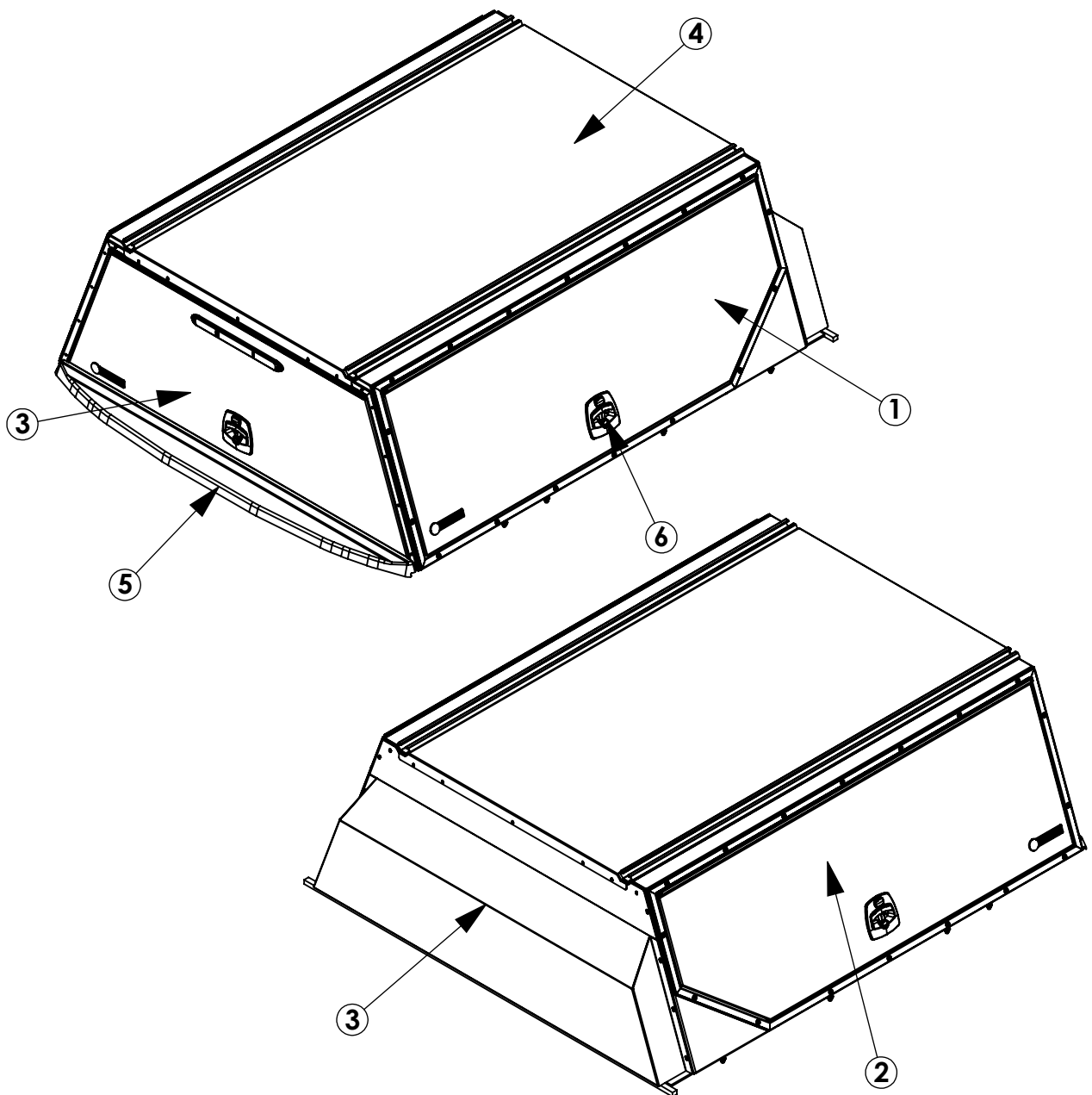
INSTR. : 71622		PG: 9	REV: V	BOM FOR 5.1' 23" TALL COLORADO		
PART : TFKNFT160HM23W		ITEM NO.	PART NUMBER	DESCRIPTION	QTY.	
PART : ASM INS, TFK__T178HM23W DESC. :		1	TSKCOL60M23W	TOP, SIDE KIT,60",M,23,W	2	
		2	TCK72HM23W	TOP,CLOSE KIT,72",HM23,W	1	
		3	TRK6123W	TOP, ROOF KIT,61",23,W	1	
		4	THKCOL60M23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

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

* E-LOCK VERSION SWAP TMLHK WITH TELH04



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



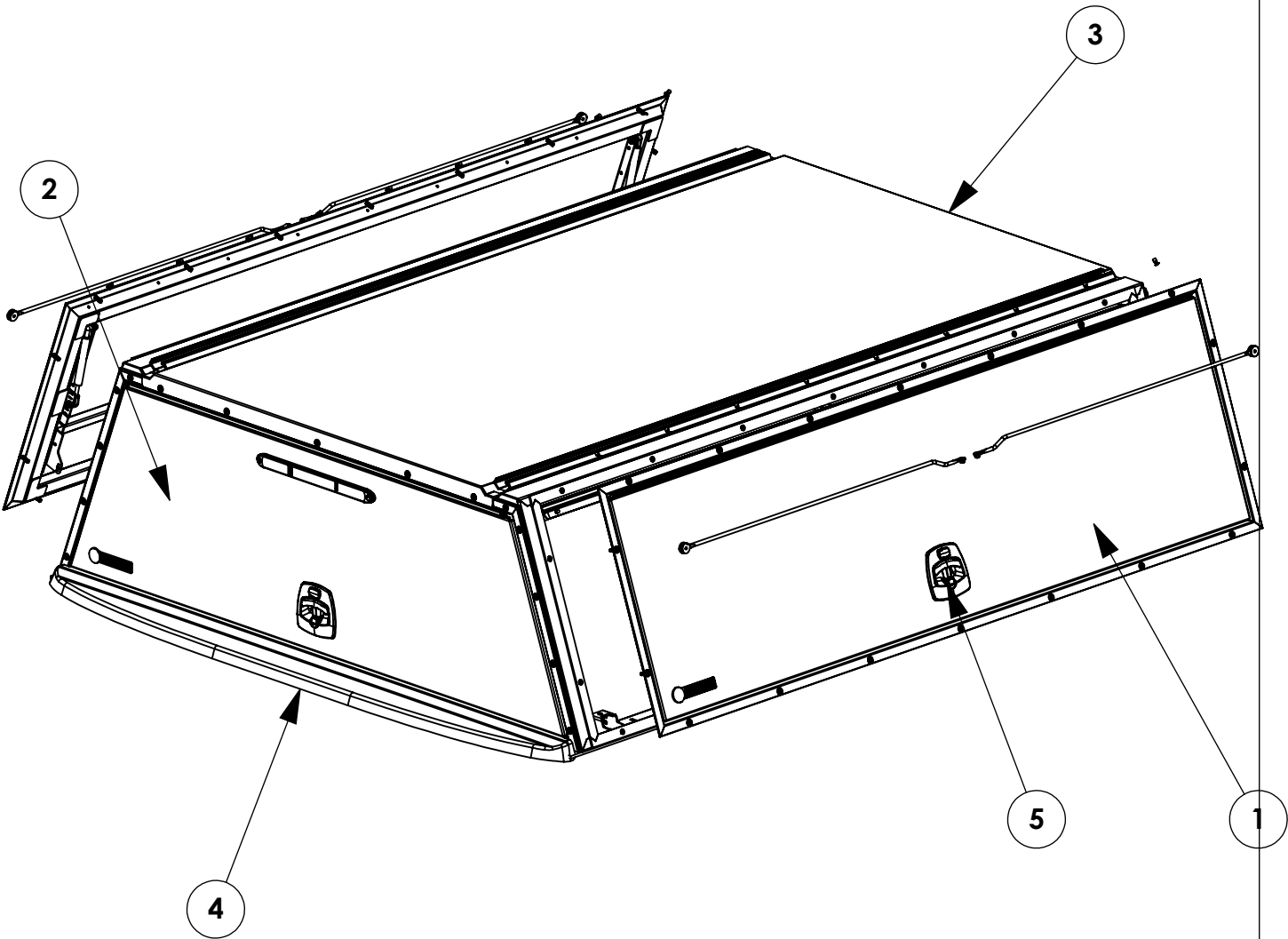
INSTR. NUMBER	: 71622	PG: 11	REV: V
PART NUMBER	: TFKGMT280HM23W		
PART DESC.	: ASM INS, TFK__T178HM23W		

BOM FOR 80" 23" TALL SILVERADO 2500, 3500

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

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

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



INSTR.
NUMBER : 71622

PG:
12

REV:
V

BOM FOR 70" 23" TALL SILVERADO 1500

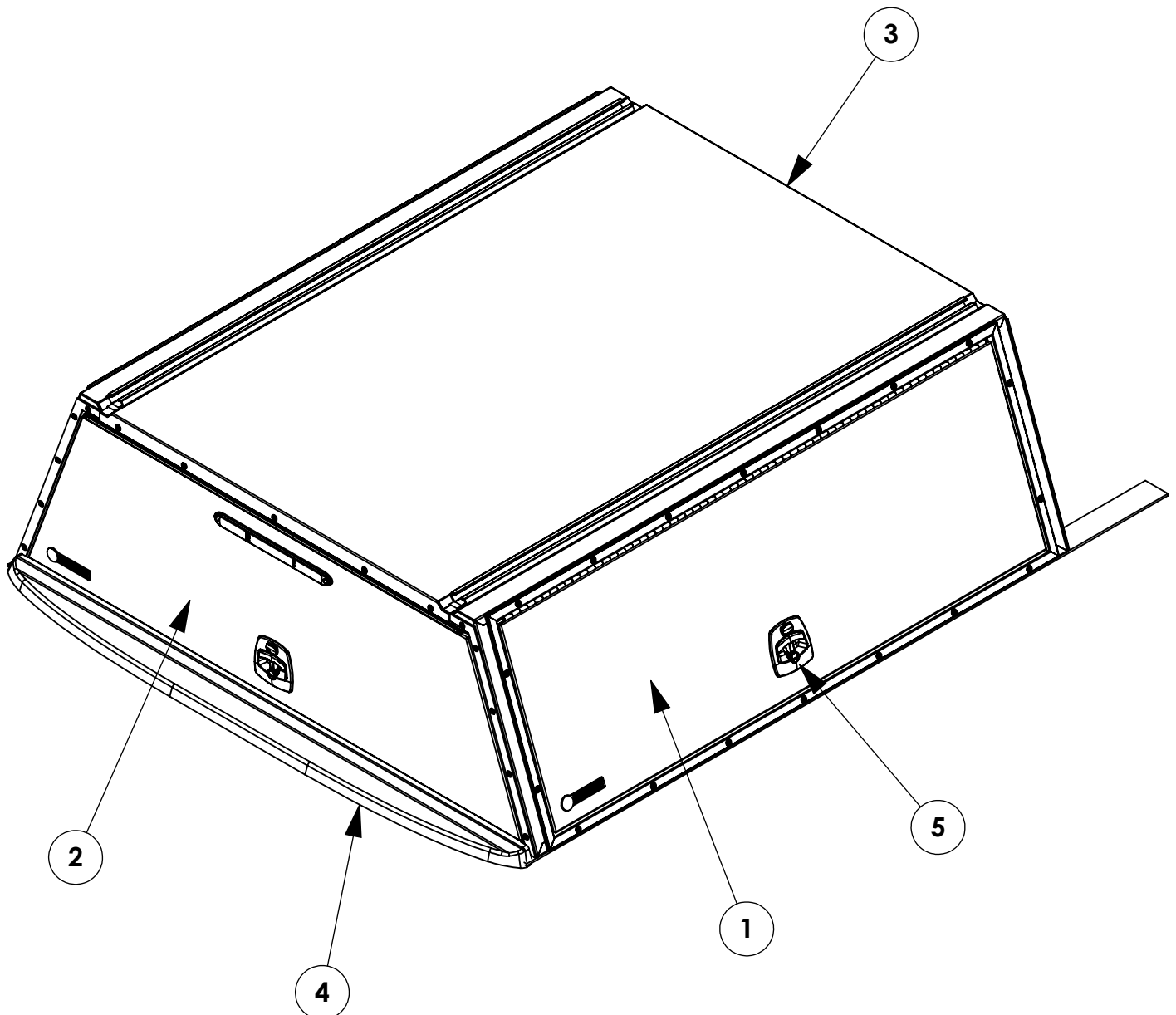
PART
NUMBER : TFKGMT170HM23W

PART :
DESC. : ASM INS, TFK__T178HM23W

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

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

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



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

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

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

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

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

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

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

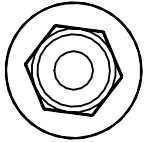
PLUSNUT INSTALLATION - A PLUSNUT GUN IS RECOMMENDED FOR PLUSNUT INSTALLATION FOR ITS PRODUCTION SPEED. HOWEVER, A PLUSNUT SETTING TOOL CAN ALSO BE USED (P/N: 22200-0).

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

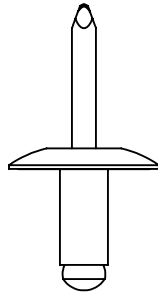
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FASTENERS USED

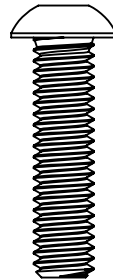
BAG REFERENCE: ALL



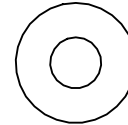
FAS0055
1/4-20 ZP
HFLNG NLK NUT
QTY: 10



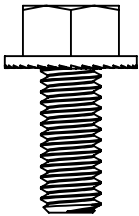
FAS1014
.25X.11GR AL
RIVET, BLND
QTY: 5



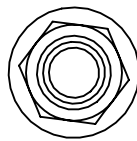
FAS0919
5/16-18 X 1.25 SST
BHC SCREW
QTY: 10



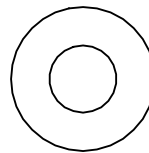
FAS0234
1/4 SST
FLAT WASHER
QTY: 30



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



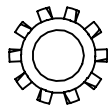
FAS0440
5/16-18 ZP
HFLNG NLK NUT
QTY: 16



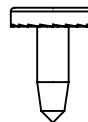
FAS0552
5/16 SST
FLAT WASHER
QTY: 10



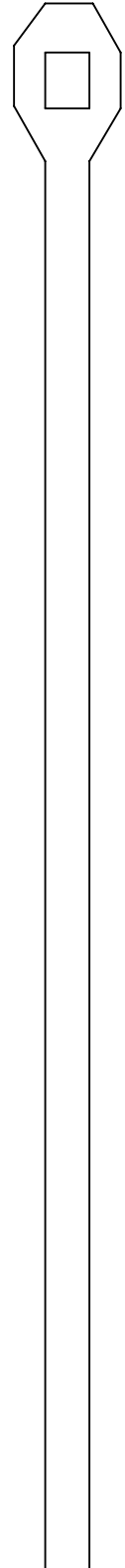
FAS0940
1/4-20 X 1.0 SS NP
BHTX SCREW
QTY: 30



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

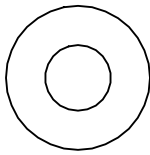
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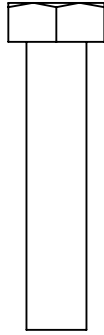
17

FASTENERS USED

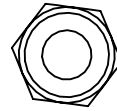
BAG REFERENCE: ALL



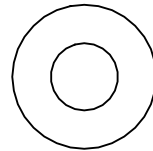
FAS0164
5/16 ALUM
FLAT WASHER
QTY BAG71794: 0
QTY BAG71801: 8



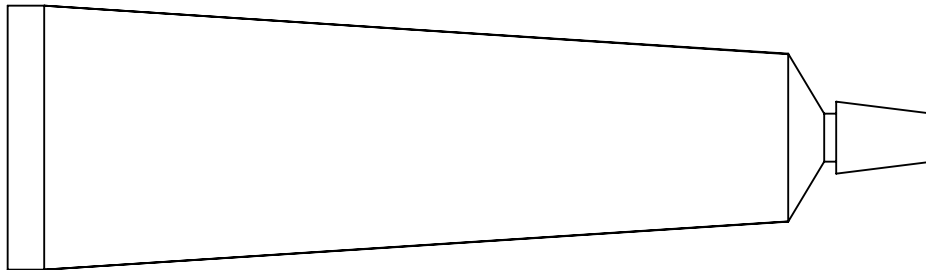
FAS0242
5/16-18 X 1.5 SST
HH SCREW
QTY BAG71794: 8
QTY BAG71801: 8



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



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



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

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PAGE:

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FASTENERS USED

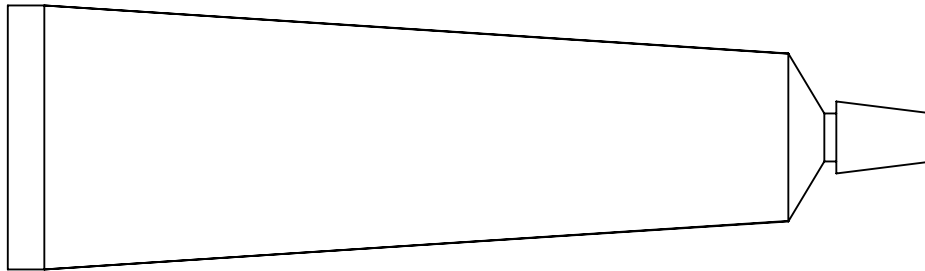
BAG REFERENCE: BAG76637



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



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



**26618-0
1 OZ TUBE
SILICONE**

INTENTIONALLY LEFT BLANK

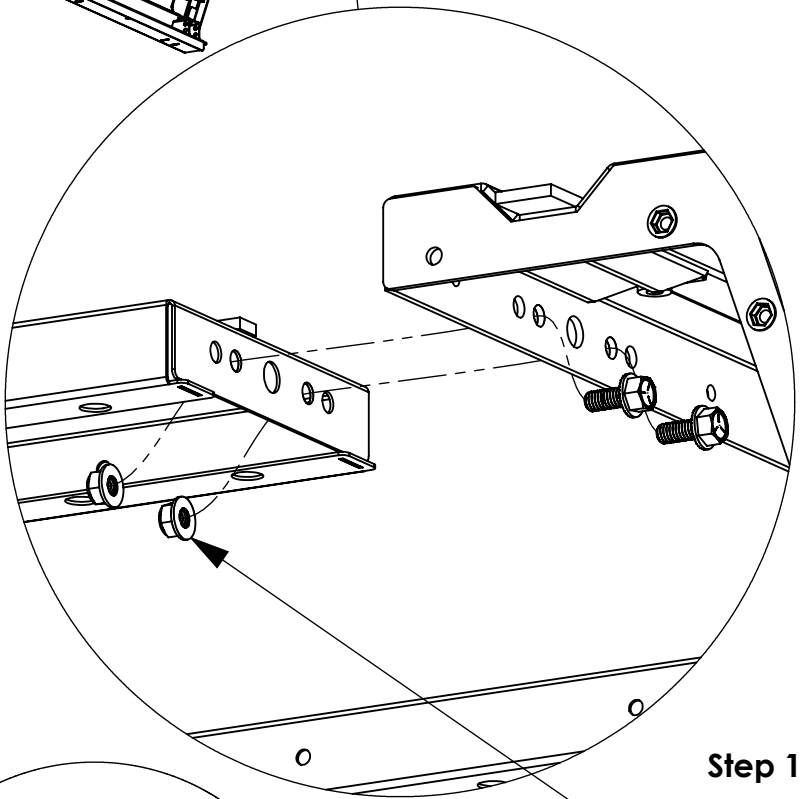
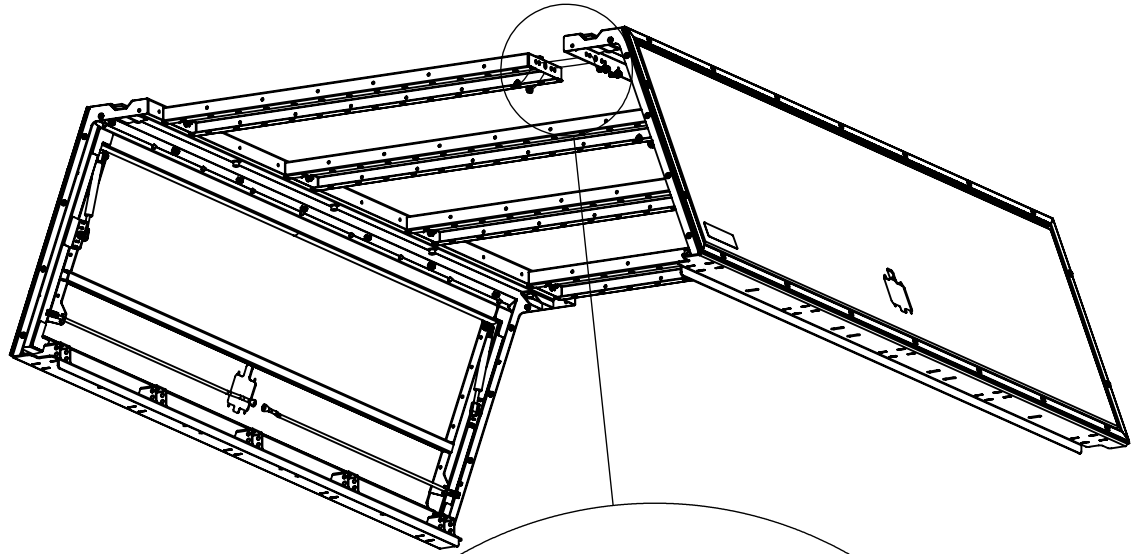
STEP 1 - ASSEMBLE BODY FRAME: SIDES AND CROSSBOWS

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

Step 1.2
OPEN TOPPER
ROOF KIT
[TRK7823W]

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

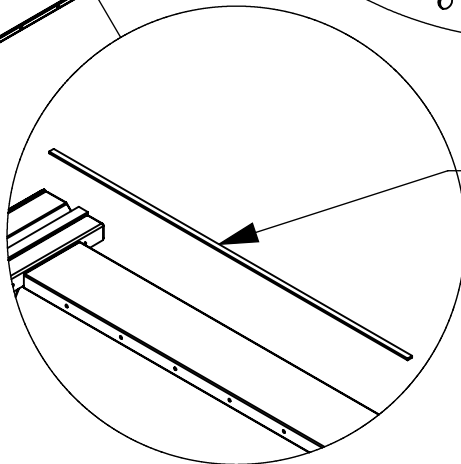
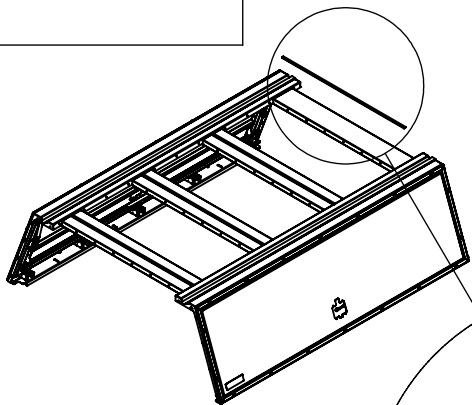
Step 1.4
ADD FOAM
STRIP 80402
TO THE
MIDDLE OF
EACH
CROSSBOW
(4 PLACES)



Step 1.3

NOTE: Nut
inboard

Step 1.4



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

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

!! CAUTION !!
DOORS MAY
TRY TO OPEN.

Step 2.2
ATTACH HANDLE
TO DOOR

FULLY TIGHTEN
FAS0917
(4 PER DOOR)
M10 SOCKET

DO NOT
OVERTIGHTEN

Step 2.3
ATTACH
LOCKRODS TO
HANDLE

FULLY TIGHTEN
FAS0918
(2 PLACES)
M8 SOCKET

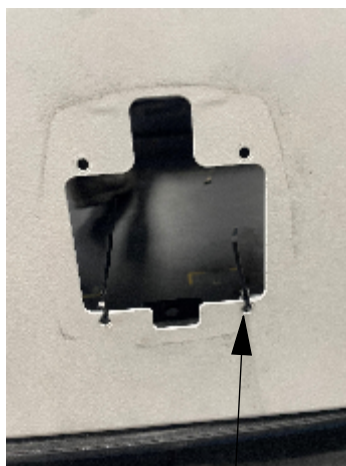
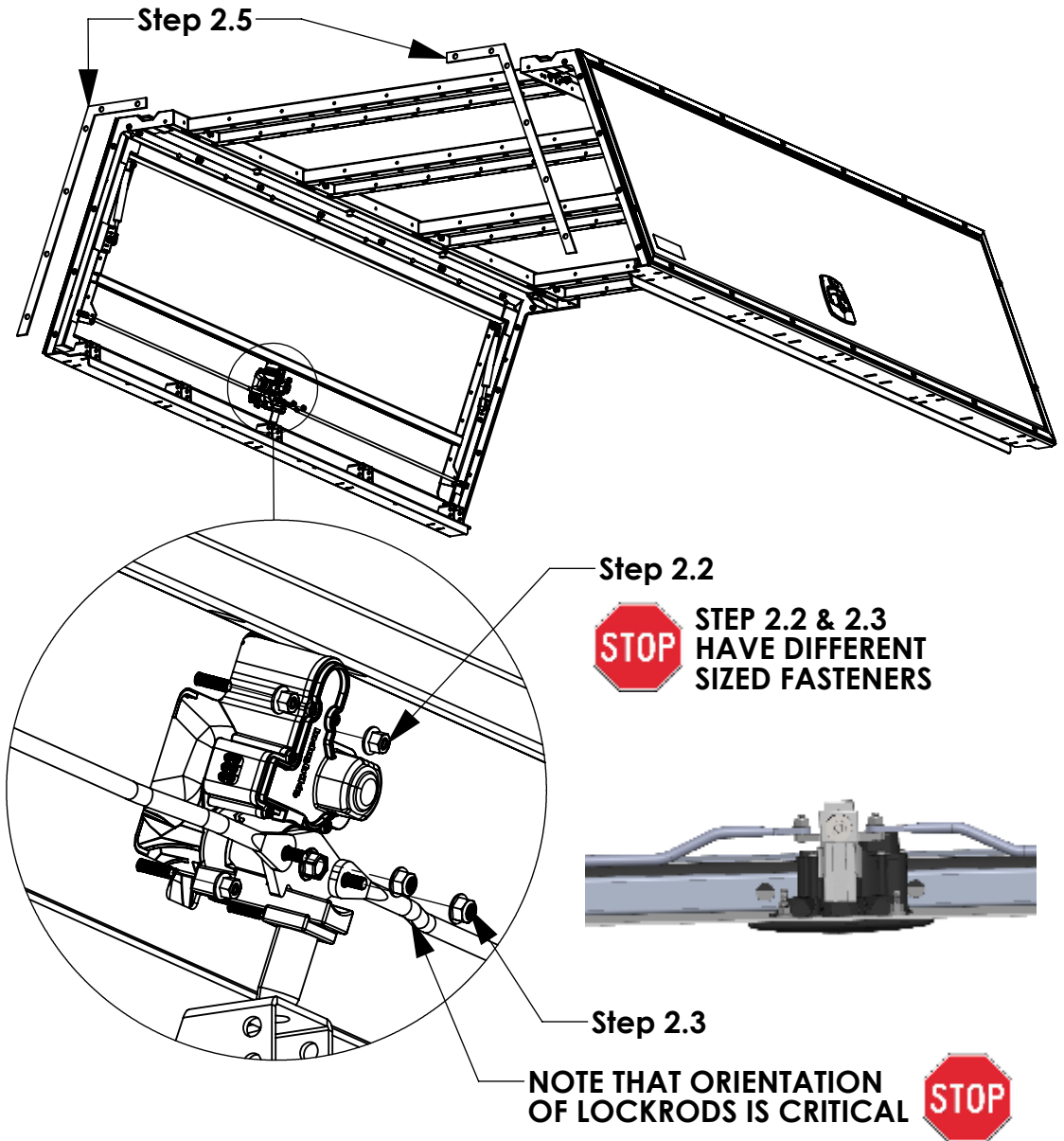
DO NOT
OVERTIGHTEN

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

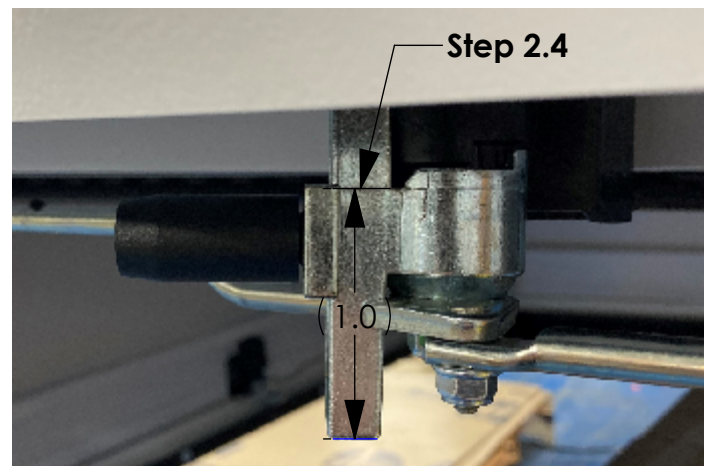
FULLY TIGHTEN
4mm ALLEN
(2 PLACES)

Step 2.5
APPLY FOAM
SEALS TO ALL
CORNERS.

USE HOLES IN
SEAL TO ALIGN
MATERIAL.



Step 2.1



Step 2.4

STEP 3 - ATTACH FRONT PANEL

Step 3.1
OPEN TOPPER
CLOSURE KIT
[TCK78HM23W]

Step 3.2
ATTACH FRONT
PANEL

HAND TIGHTEN
FAS0234,
FAS0940
(10 PLACES)

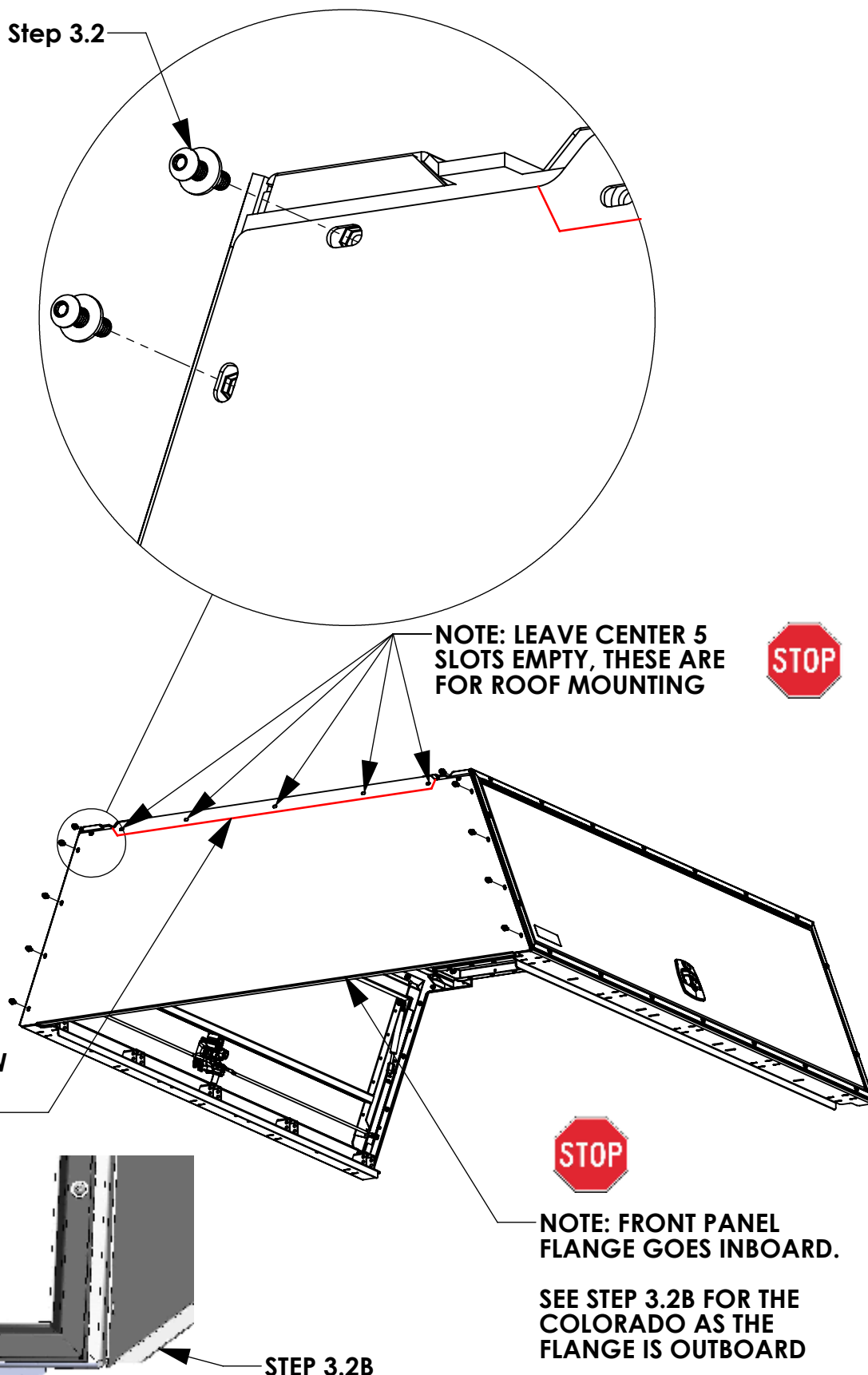
**DO NOT
TIGHTEN UNTIL
AFTER STEP 4**

Step 3.2B
COLORADO
FRONT PANEL
FLANGE IS
OUTBOARD

**DO NOT
TIGHTEN UNTIL
AFTER STEP 4**

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

Step 3.2



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



**NOTE: FRONT PANEL
FLANGE GOES INBOARD.**

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

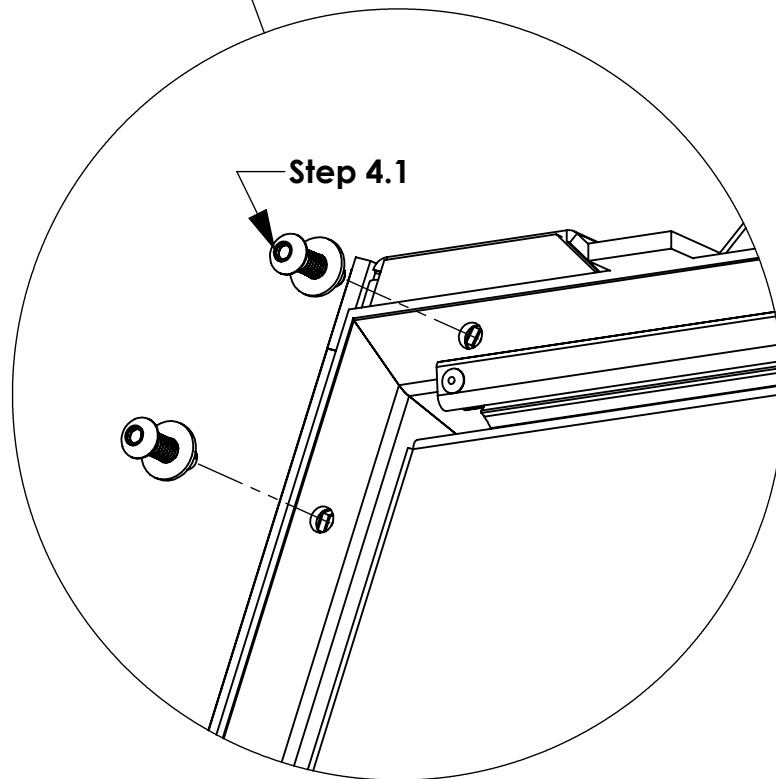
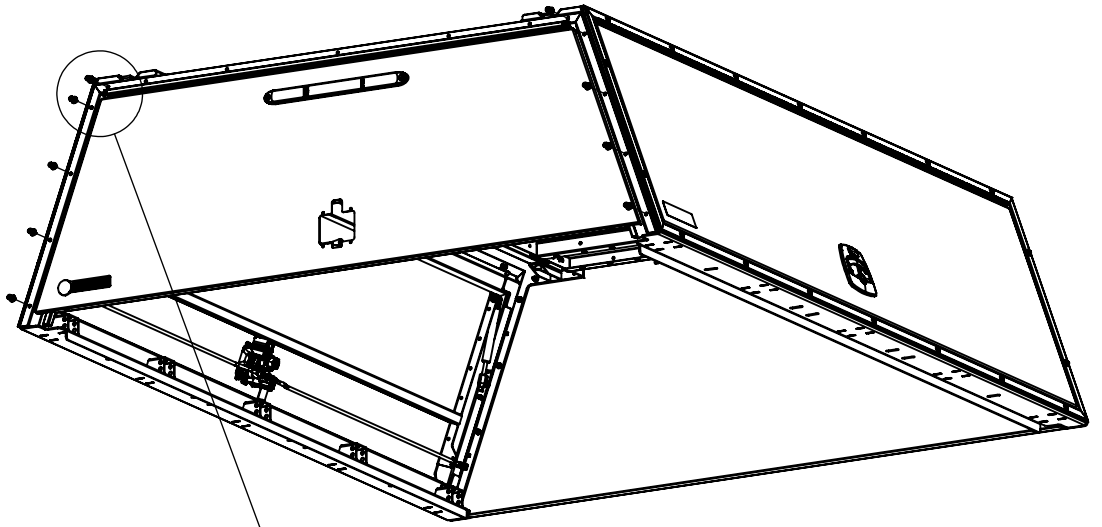
STEP 3.2B

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

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

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

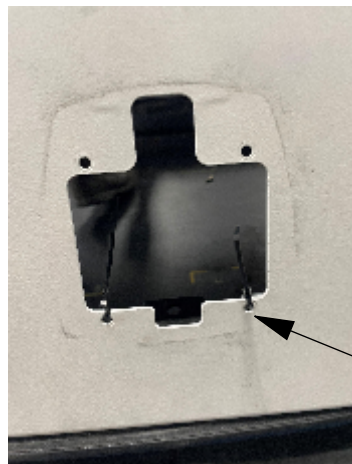
(10 PLACES)
5/32" ALLEN



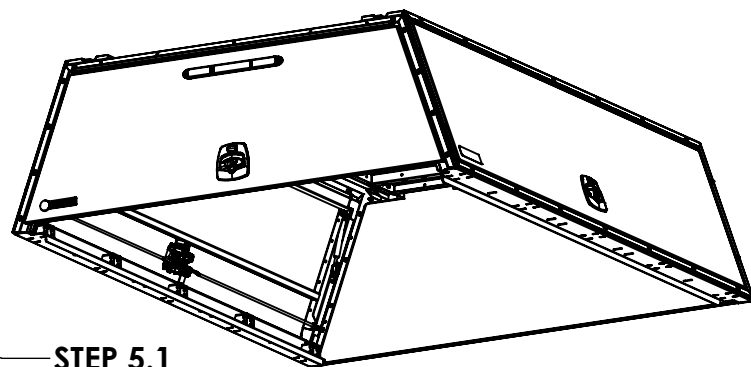
STEP 5 - ATTACH LIFTGATE HANDLE

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

!! CAUTION !!
DOOR MAY TRY
TO OPEN.



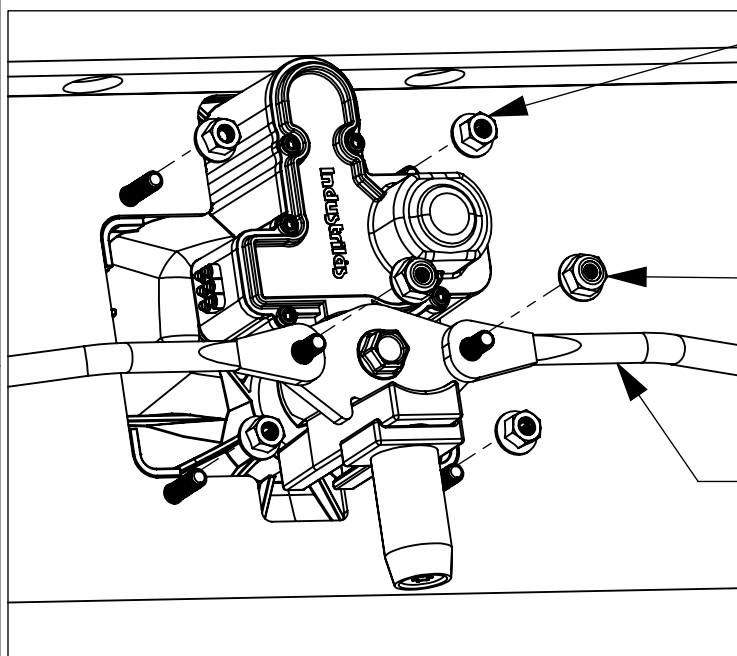
STEP 5.1



Step 5.2
ATTACH HANDLE
TO DOOR

FULLY TIGHTEN
FAS0917
(4 PER DOOR)
M10 SOCKET

DO NOT
OVERTIGHTEN



STEP 5.2



STEP 5.2 & 5.3
HAVE DIFFERENT
SIZED FASTENERS

STEP 5.3

Step 5.3
ATTACH
LOCKRODS TO
HANDLE

FULLY TIGHTEN
FAS0918
(2 PLACES)
M8 SOCKET

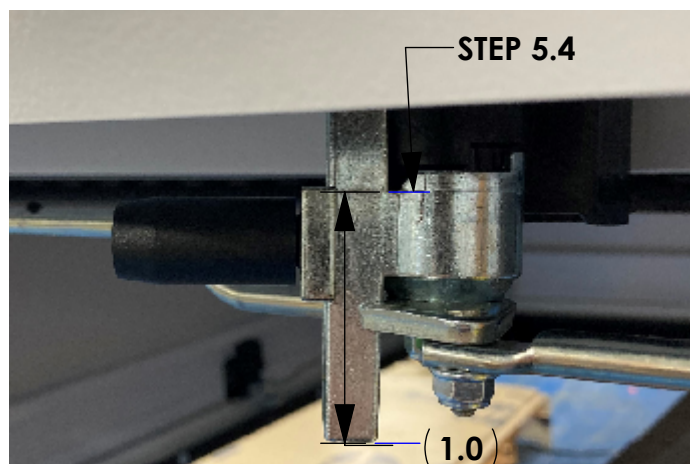
DO NOT
OVERTIGHTEN

NOTE THAT ORIENTATION
OF LOCKRODS IS
CRITICAL



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

FULLY TIGHTEN
M4 ALLEN
(2 PLACES)



STEP 5.4

(1.0)

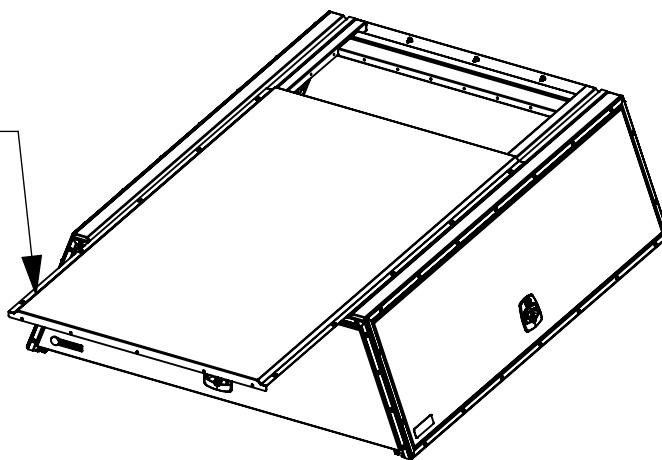
STEP 6 - ATTACH ROOF AND ROOF RAILS

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



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

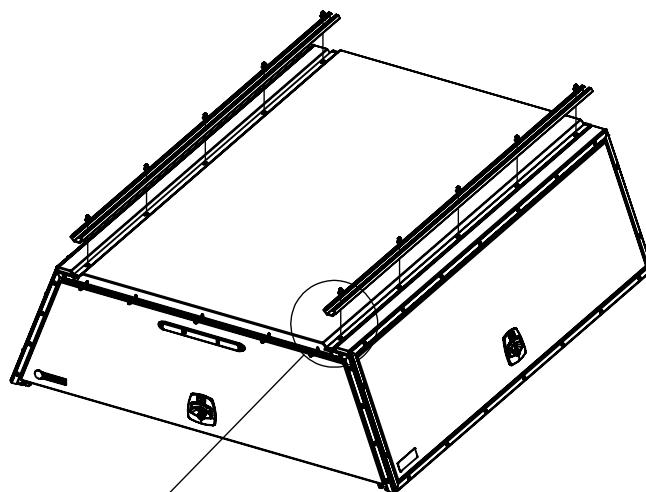
Step 6.1



Step 6.2
ATTACH
MOUNTING RAILS
TO TOPPER BODY.

USE AN
ALIGNMENT
PUNCH TO POKE
THROUGH SEALS

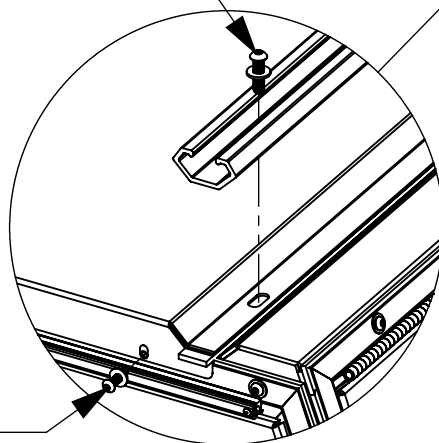
FULLY TIGHTEN
FAS0552,
FAS0919
(10 PLACES)
3/16" ALLEN



Step 6.2

Step 6.3
ATTACH ROOF
TO TOPPER
BODY.

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

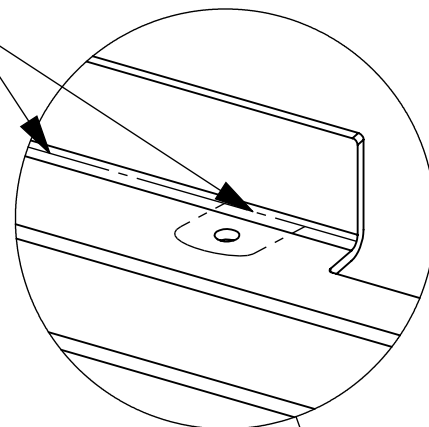


Step 6.3

STEP 7 - ATTACH TAILGATE COVER

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

Step 7.1
FULL LENGTH
OF THIS SEAM

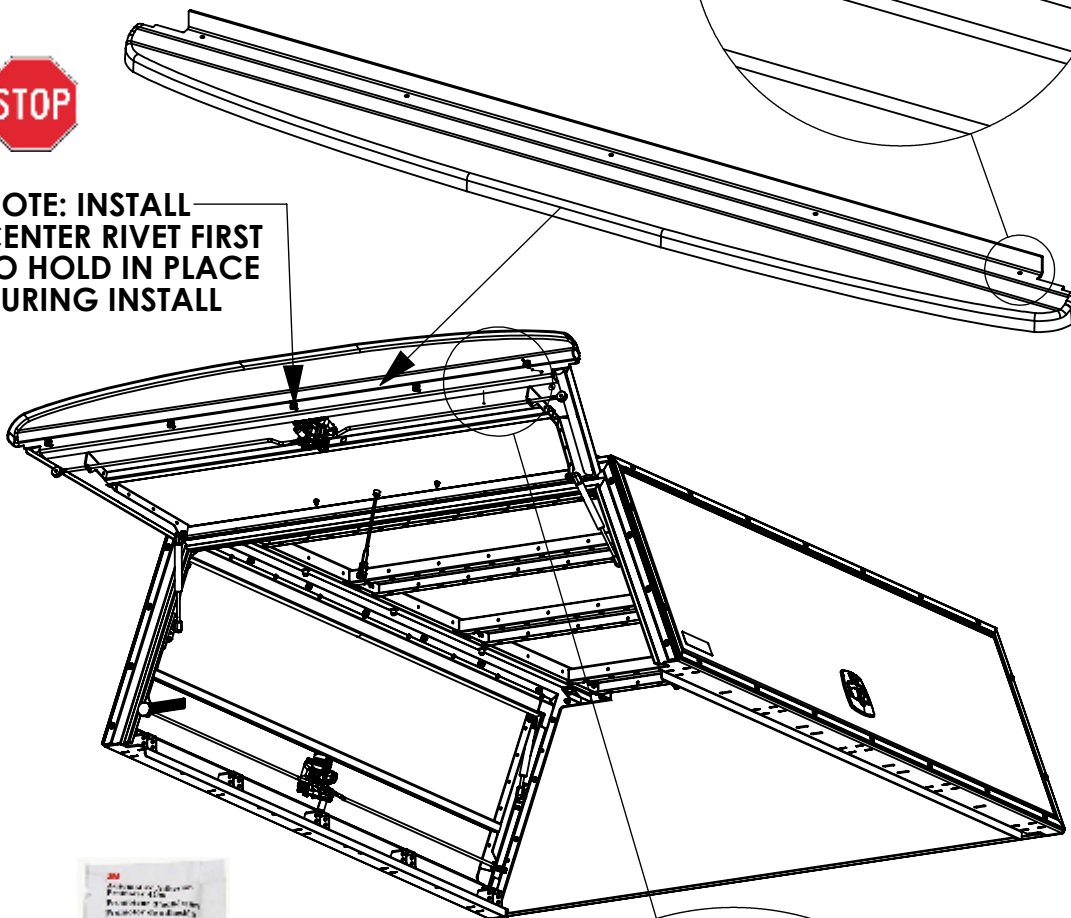


Step 7.2
ATTACH TAILGATE
COVER TO REAR
DOOR.

FULLY SECURE
FAS1014
(5 PLACES)

1/4" RIVET TIP

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



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

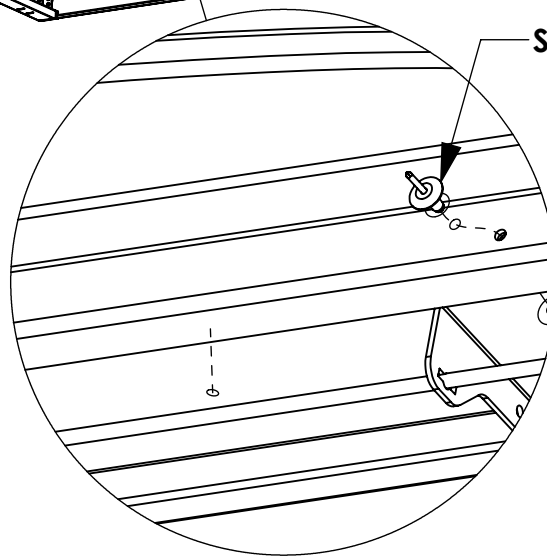
ADD 77152
D-SEAL X 22" LG
TO BOTH SIDE OF
TAILGATE COVER



Step 7.3
COLORADO &
SILVERADO



Step 7.2

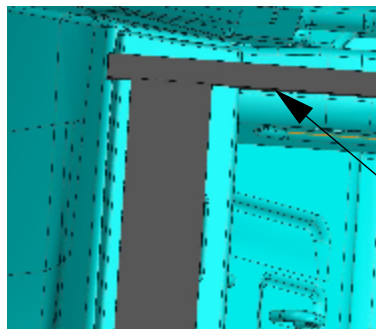


STEP 8 - ATTACH SEALS TO TRUCK BED

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

TRIM OFF EXTRA,
IF NECESSARY.

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



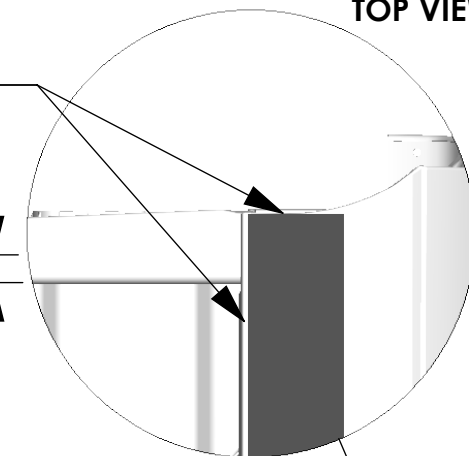
**STEP 8.3
1/4" GAP**

**STEP 8.3
AT FLAT**

**Step 8.1
DIST**

Step 8.2

TOP VIEW

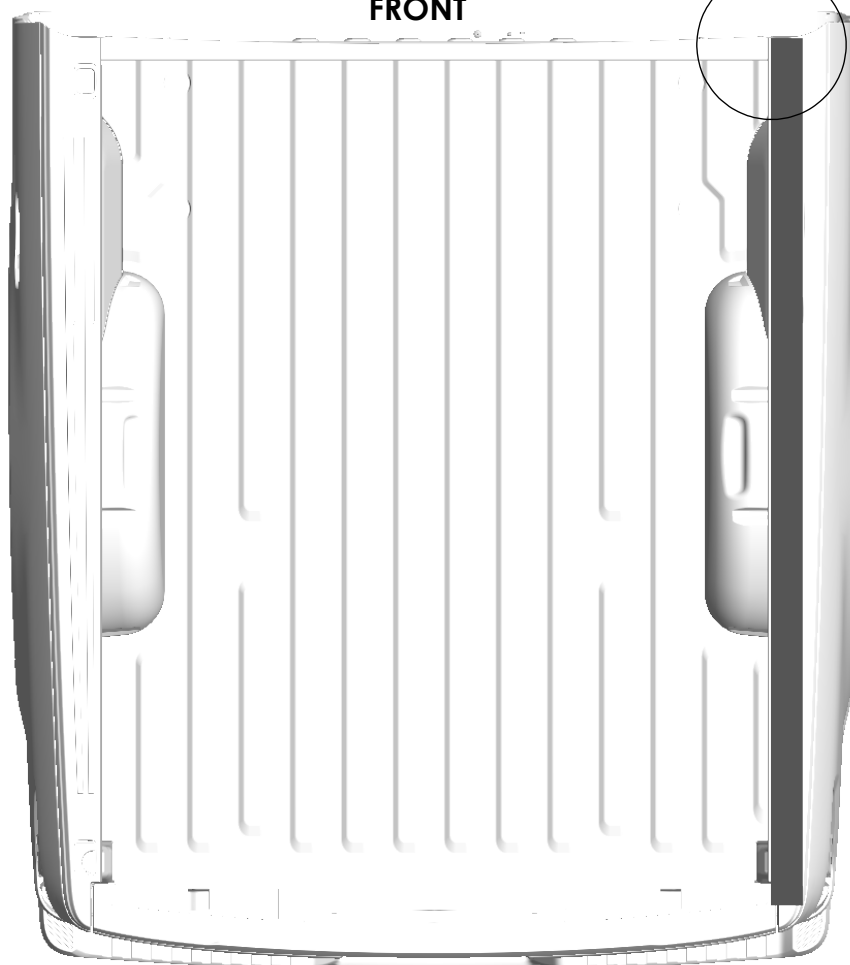


FRONT

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.

**DRIVER'S
SIDE**



Step 8.3
**COLORADO
ONLY !**
INSTALL SIDE BED
SEALS. ALIGN TO
THE FRONT AND
INSIDE EDGES OF
THE SIDE BED
RAIL TRIM.

DO NOT TRIM
EXCESS UNTIL
TOPPER IS ON
THE TRUCK.

TABLE 1:

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

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

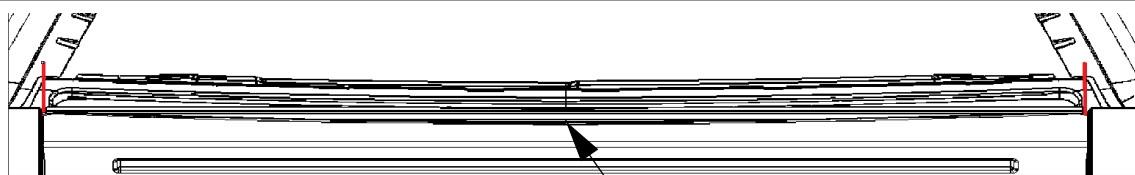
Step 8.4
PLACE 81456
GASKET IN THE
GAP BETWEEN
THE TRUCK BED
AND CAB.



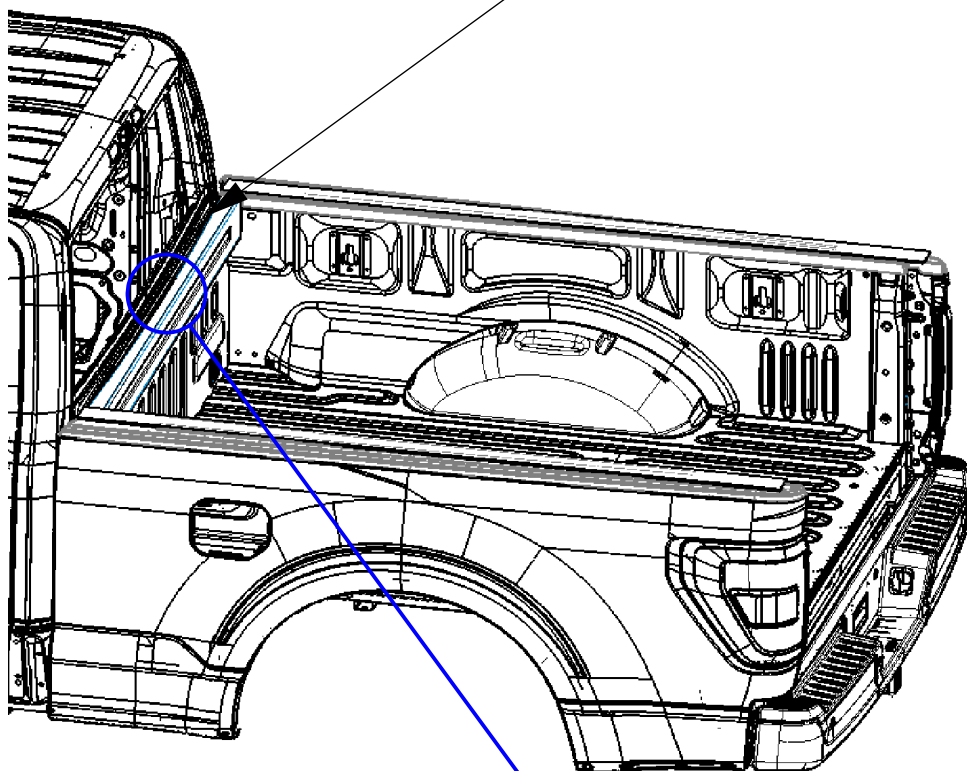
BEFORE
ATTACHING TO
TRUCK BED,
CLEAN AND PREP
AREA. DO NOT
ATTACH TO
PLASTIC TRIM. IF
TRIM IS ON
FRONT OF BED
ATTACH TO CAB.

ONCE AREA IS
PREPARED
CENTER GASKET
ON THE REAR
WINDOW.

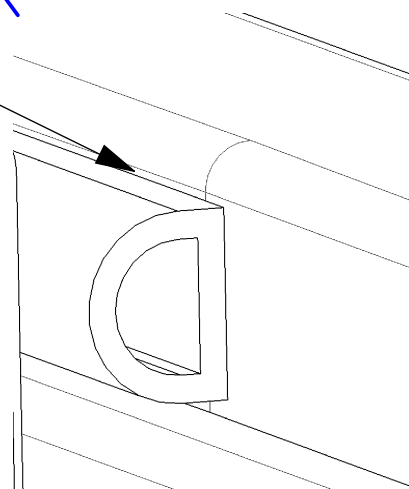
MAKE SURE THAT
GASKET HAS FULL
SURFACE
CONTACT SO
ADHESIVE WILL
PROPERLY BOND.



Step 8.4



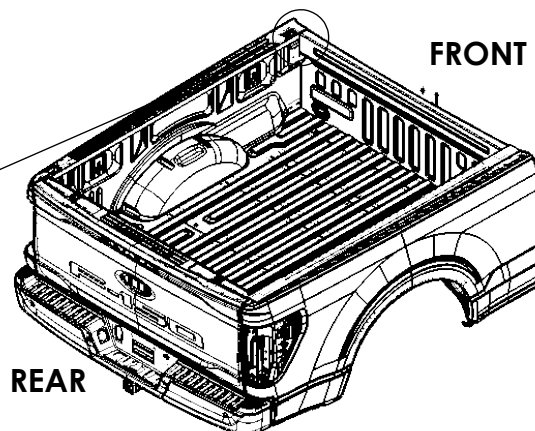
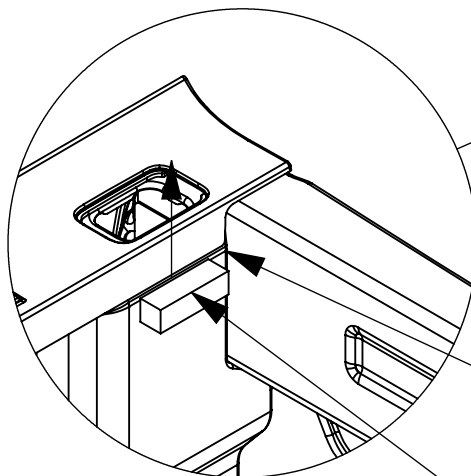
NOTE:
IF TRUCK BED HAS A SPRAY
ON BED LINER, PLACE
GASKET UNDER LINER ON
TRUCK BED



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

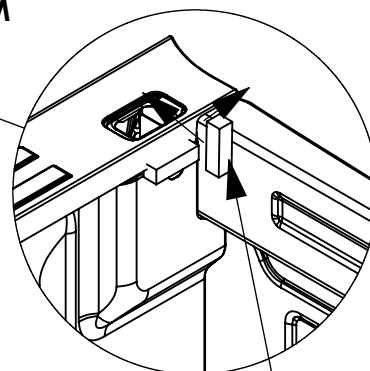
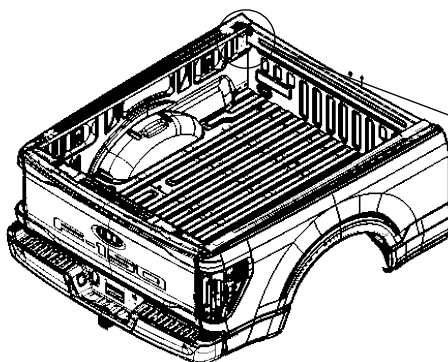
STEP 9A.1
CUT A 2.5" FOAM PIECE OF 73398, INSERT UNDER TRIM OF THE BED RAIL, GOING INTO THE GAP AS SHOWN

STEP 9A.1



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

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



STEP 9A.2

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

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

STEP 9A.3

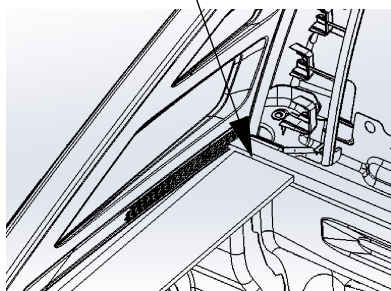
ADD 3M SEALANT AROUND THE PERIMETER OF THE FOAMS, BETWEEN THE RAIL TRIM & THE BED, & REPEAT ON PASSENGER SIDE



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

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

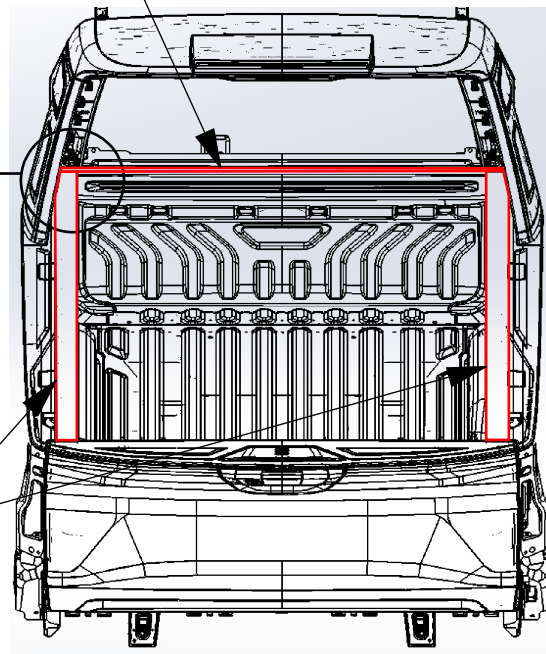
STEP 9B.1



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

71766

FRONT



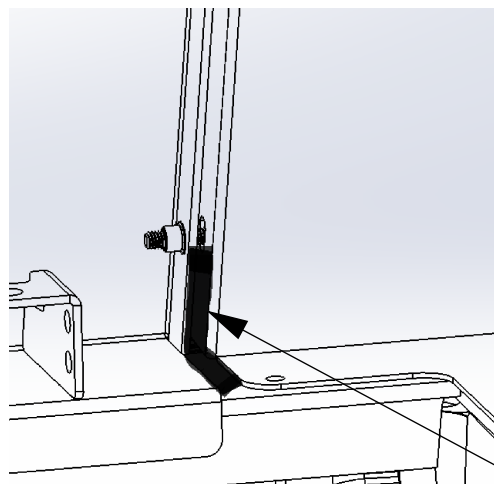
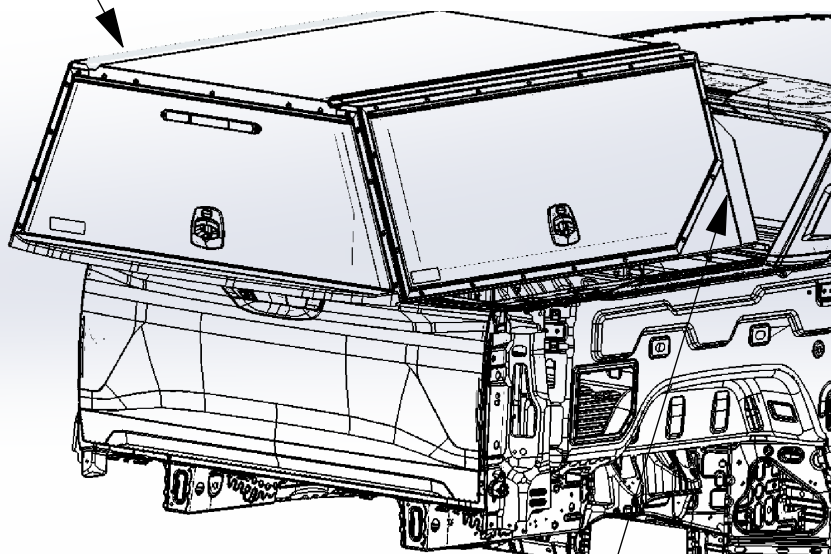
71768

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

STEP 9B.3
WITH TOPPER IN
PLACE EXCESS
TRIM

STEP 9B.2

REAR



NOTE:
WHEN TOPPER IS IN PLACE USE
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,



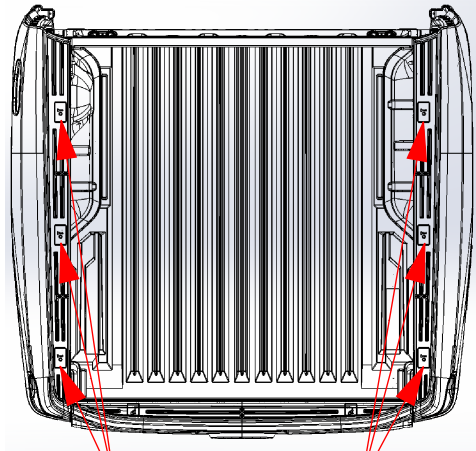
**DO NOT DRILL
INTO THE RAIL**

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

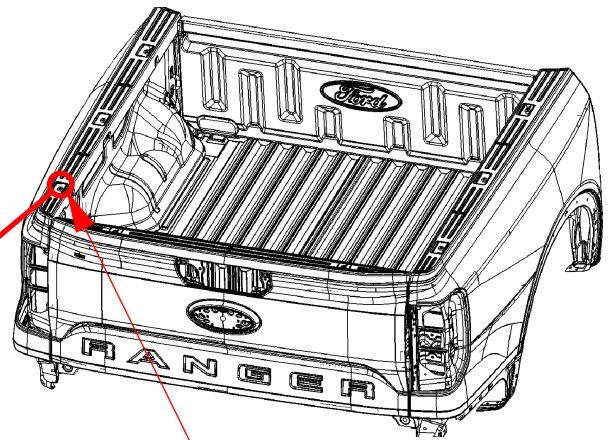
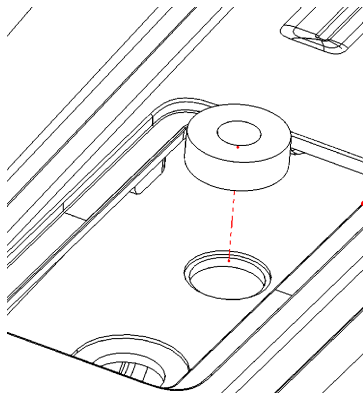
NOTE:
TALL SPACERS
TO BE USED
WITH 2025
MODELS,

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

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



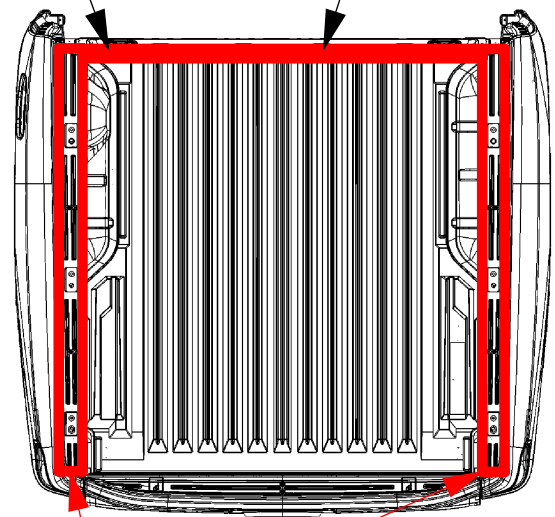
STEP 9C.1



STEP 9C.2

STEP 9C.3

71766



71768



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

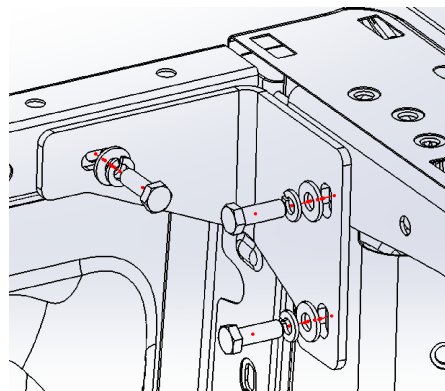


STEP 9C - INSTALL FOAM, (6) SPACER & 73740 SEALANT TO TRUCK CAB AND BED SEAMS (NOTE: FOR FORD RANGER ONLY)

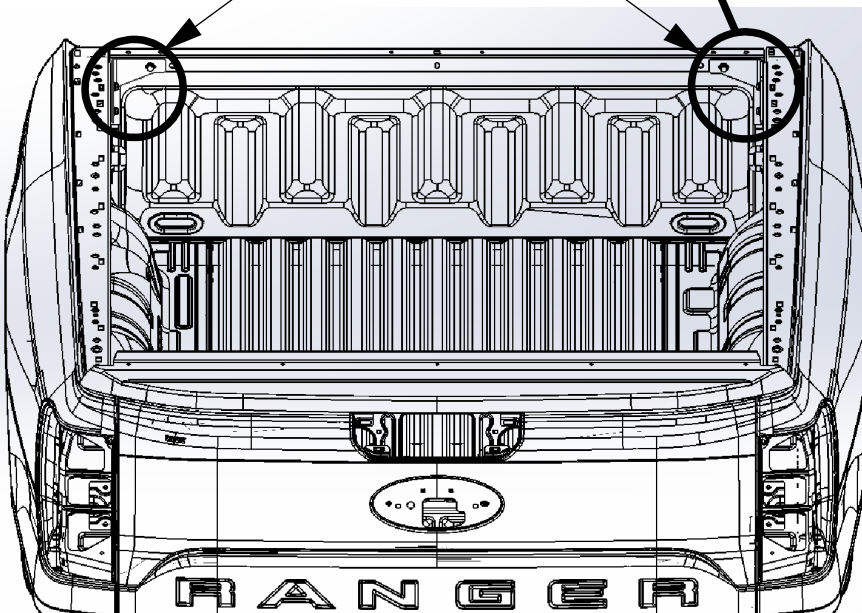
STEP 9C.4
SLIDE 80670 &
80671 UNDER
TRIM AT FRONT
CORNERS OF
BED TO MOUNT
TO OEM HOLES,
FULLY TIGHTEN
(6)FAS0329,
(6)FAS0552, &
(6)FAS0588

M8 SOCKET
DRILL

NOTE:
TRIM IS NOT VISIBLE FOR
CLARITY



STEP 9C.4



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



STEP 10 - ATTACH TOPPER TO TRUCK BED

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

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

THESE 2 FACES SHOULD BE ALIGNED.

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

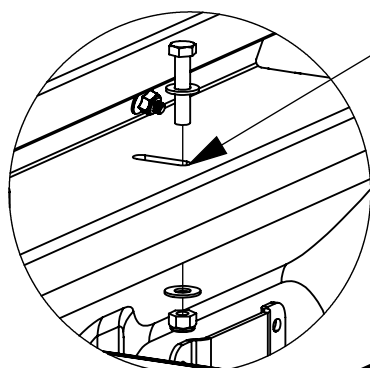
(8 PLACES)
1 1/32" DRILL BIT



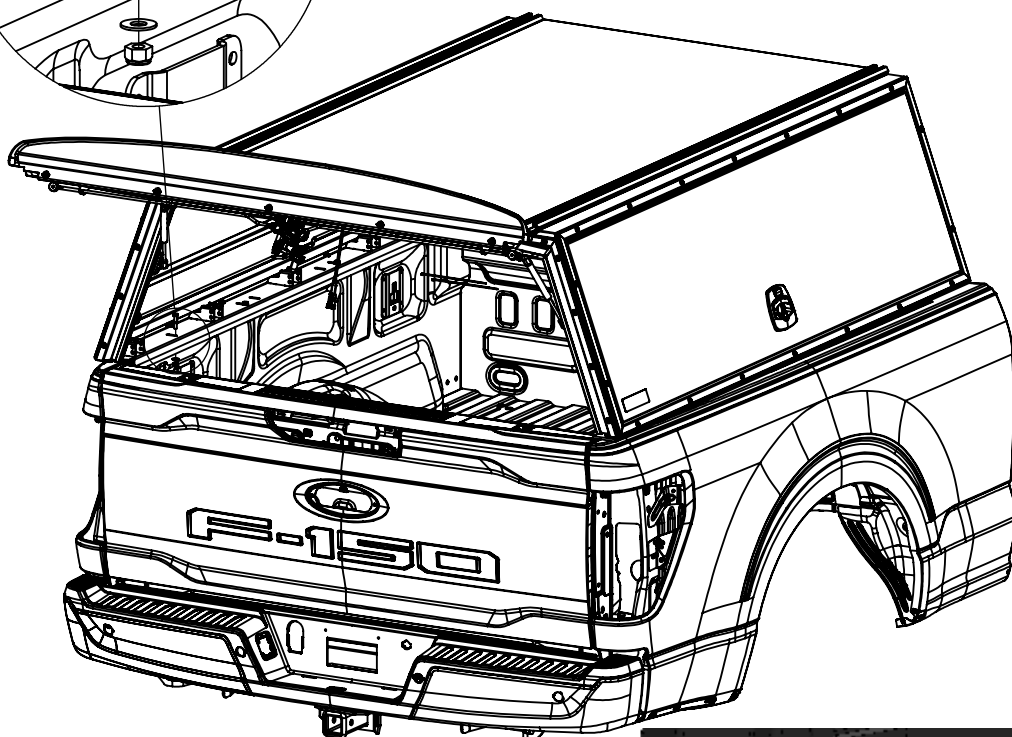
NOTE: IF THESE HOLES INTERFERE WITH THE OEM BODY, DRILL A NEW HOLE IN THE BED RAIL +/- 2" FROM THE INTERFERENCE.

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

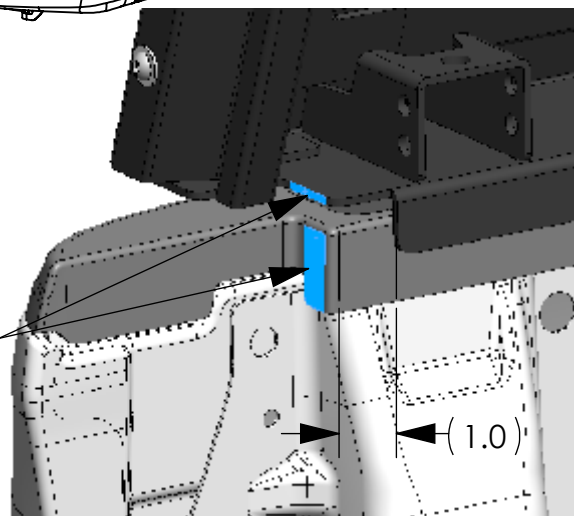
- HOIST: ATTACH TO THE ROOF RAILS OF THE TOPPER
- FORKLIFT: OPEN THE REAR DOOR AND SET FORKS ON THE ROOF BOWS
- MANUAL: HAVE 1 INDIVIDUAL AT EACH CORNER OF THE TOP AND CARRY OVER THE SIDES OF THE TRUCK. DO NOT SCRATCH THE VEHICLE.



Step 10.2



Step 10.1



STEP 10 ALT- ATTACH TOPPER TO TRUCK BED

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

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

THESE 2 FACES SHOULD BE ALIGNED.

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

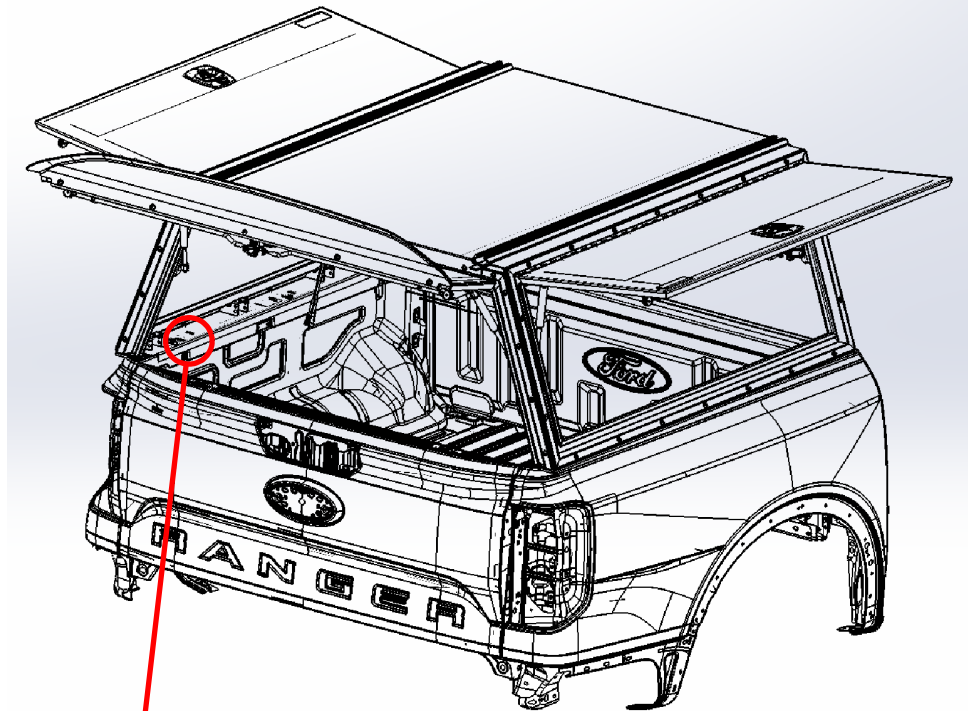
(8 PLACES)
11/32" DRILL BIT



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

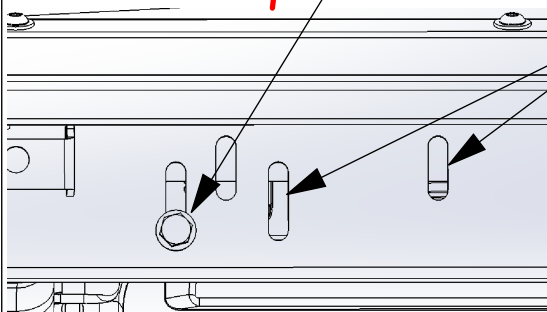
NOTE: IT IS RECOMMENDED THAT YOU LOAD THE TOPPER ONTO A TRUCKBED WITH ONE OF THE FOLLOWING METHODS:

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



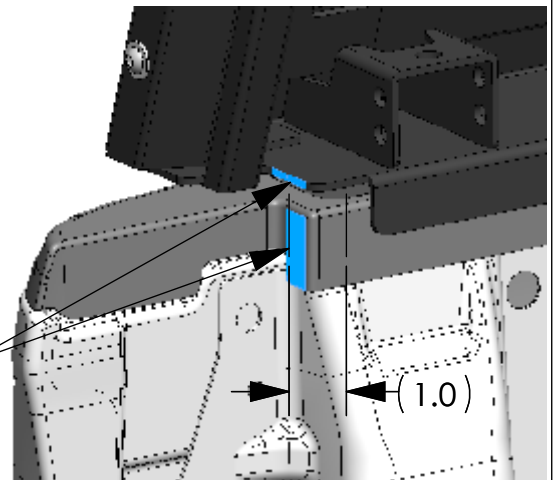
Step 10.2 ALT

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



NOTE:
OVERHEAD VIEW FOR CLARITY

Step 10.1



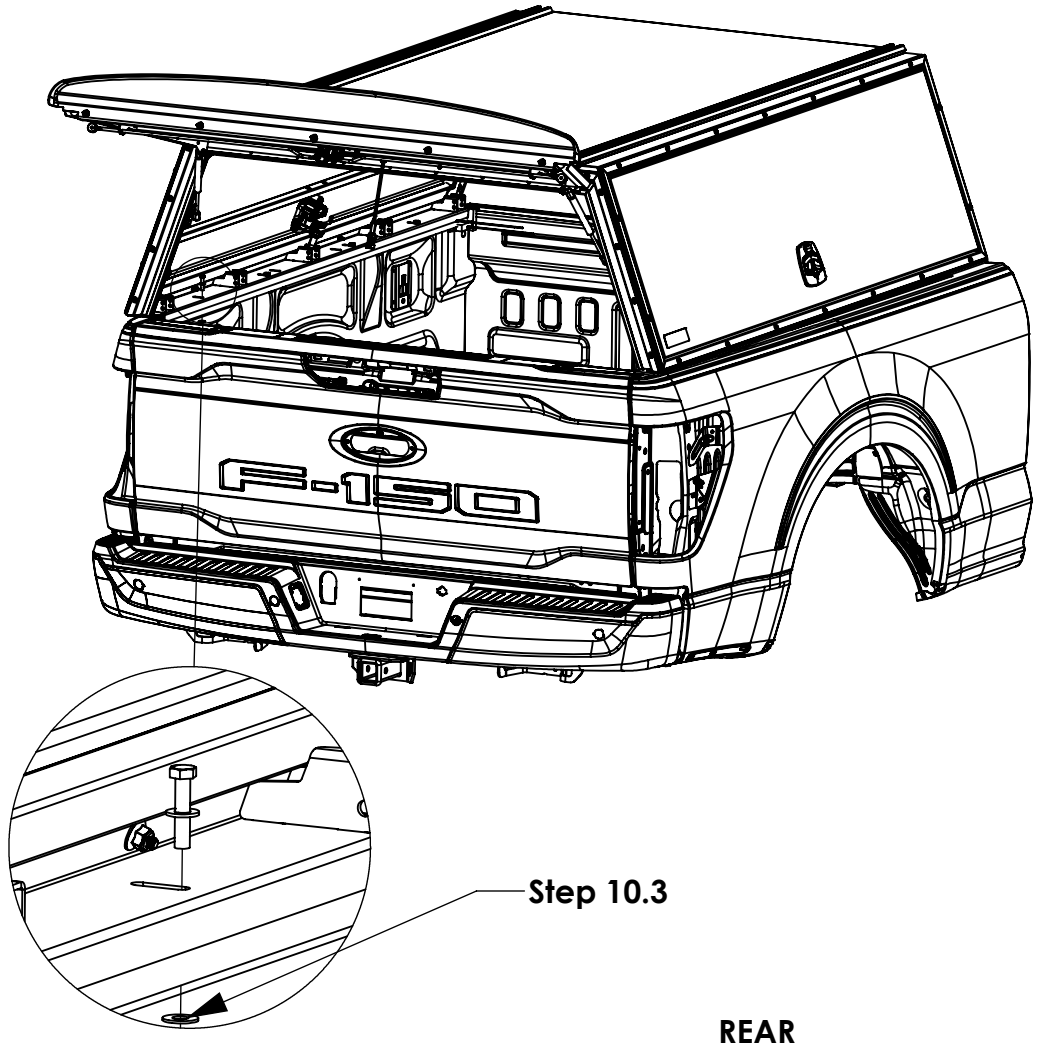
STEP 10 - ATTACH TOPPER TO TRUCK BED

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

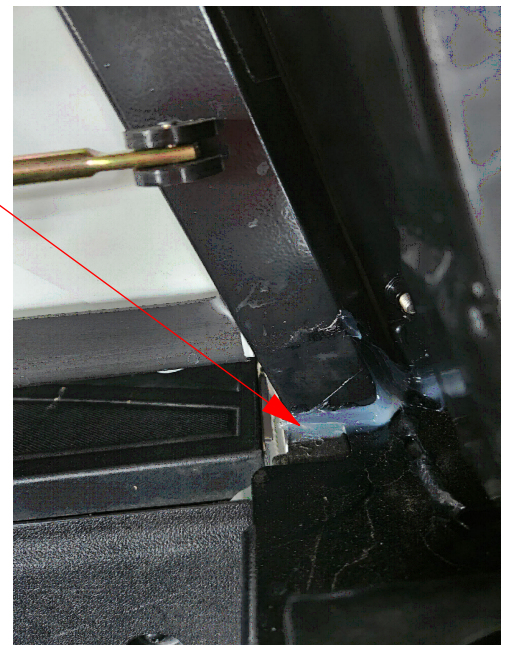
Step 10.3
USING THE HOLES
YOU JUST DRILLED
OUT, FASTEN THE
TOPPER TO THE
TRUCK BED.
FAS0242,
FAS0552 [x2],
FAS0248

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

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



Step 10.4



MAKE SURE ALL FASTENERS ARE TIGHTENED!! INSTALLATION IS COMPLETE

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

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

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

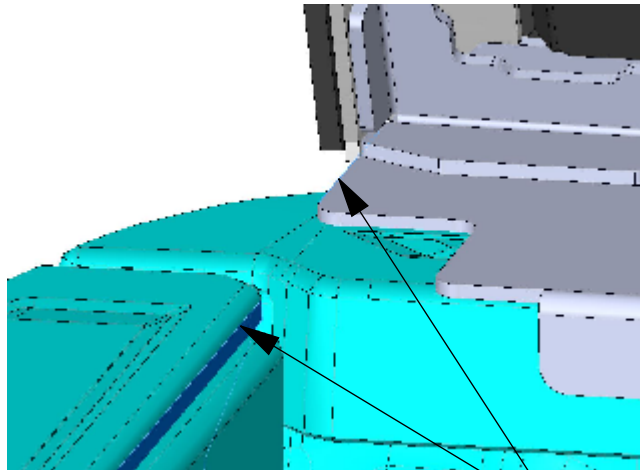
THESE 2 FACES
SHOULD BE
ALIGNED.

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

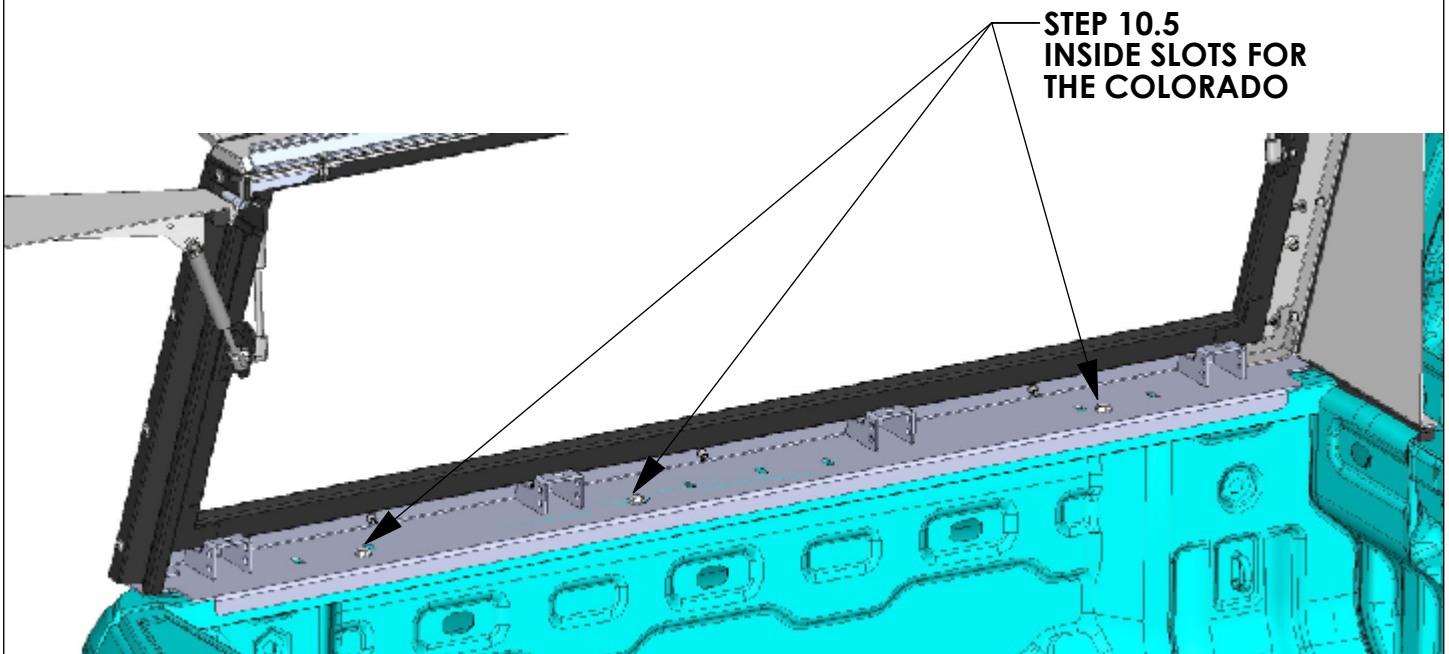
(6 PLACES)
1/2" SOCKET
1/2" WRENCH

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

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



Step 10.4
IN LINE



MAKE SURE ALL FASTENERS ARE TIGHTENED!! INSTALLATION IS COMPLETE

Introduction / Comments:

Install Instructions Brake Light Topper-Ford Lightning

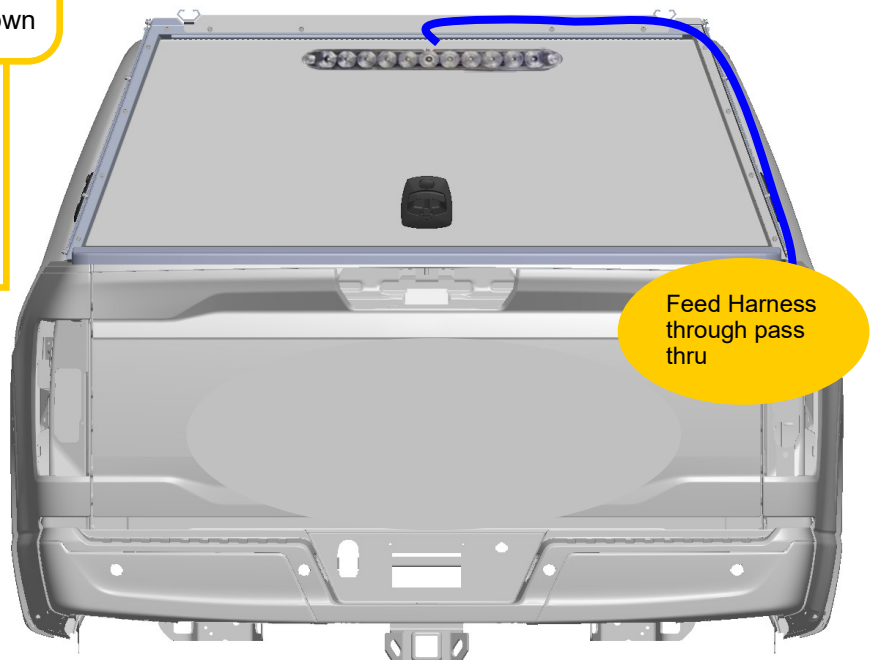
Note:

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



Installation Instructions Topper 3rd Brake Light - Ford Lightning

Routing Overview



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



Step 1: Locate the brake light harness 71680.

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

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



Step 2:

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

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

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

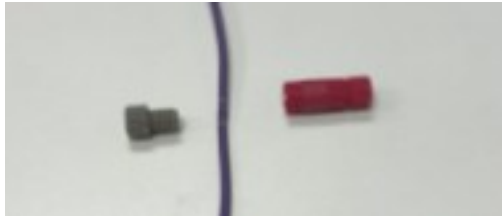
Locate the posi-tap in the brake light harness bag.



Posi-tap

The red wire in the pictures is referencing the brake light harness.

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

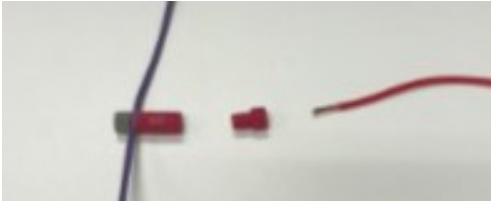


Step 3: Remove the grey cap on the posi-tap.

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



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

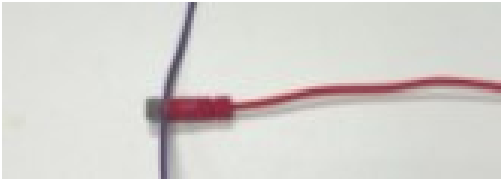


Remove the red cap on the posi-tap.

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



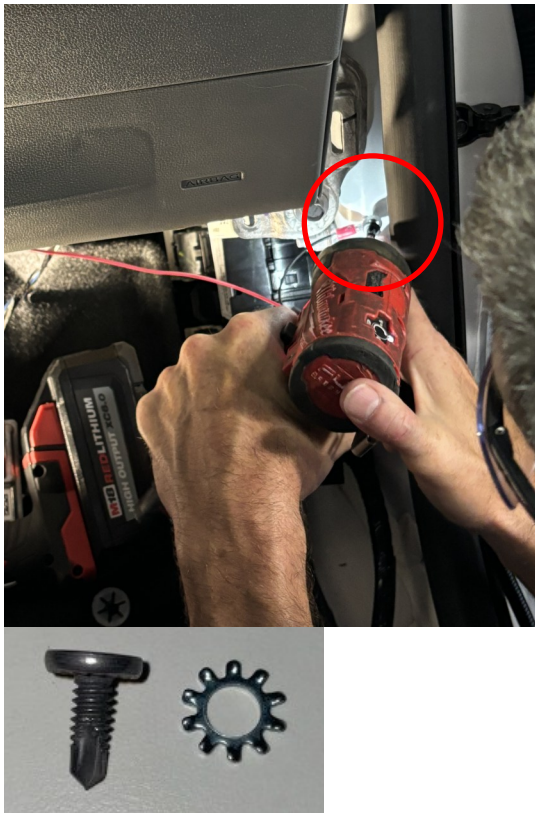
Twist the cap back onto the posi-tap with the brake light harness secured.



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

Be sure the connection is secure.





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

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

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

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

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

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



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

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

Use the image to the left as reference.



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

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

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



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

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



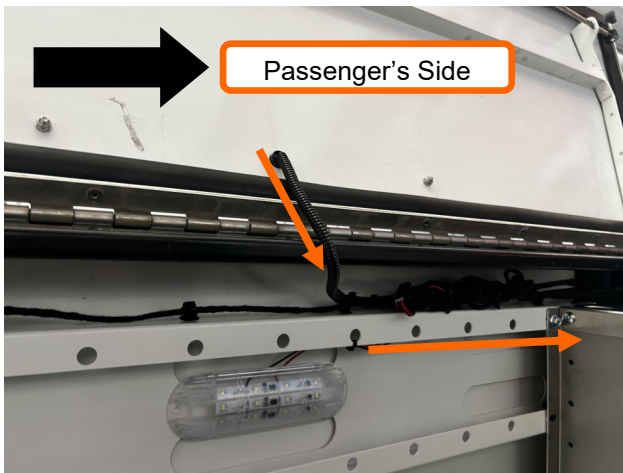
Step 8: Locate the rear passenger's side bed area. There is a circle shaped pass thru. Route the harness through this pass thru and continue up the side of the topper.

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

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

Excess wiring tucked under the bed frame





Step 6: Routing continued

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

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

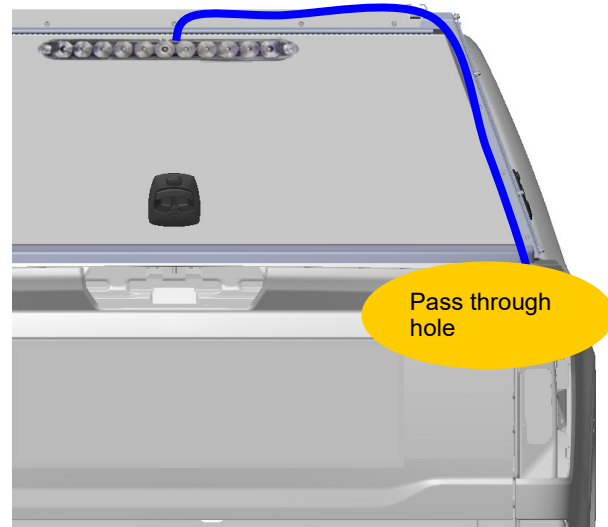
Be sure to leave extra wire from the brake light to the topper rails before securing. This ensures the wires won't break when the topper door opens and closes.

Secure harness using stud mount zip ties.

Connect the harness to the light:

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

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



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

The install is now complete.

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